Radiation Report

TPS7H4011-SP Total Ionizing Dose (TID) Radiation Report

ABSTRACT

This report discusses the results of the TID testing for the Texas Instruments TPS7H4011-SP 4.5V to 14V input, 12A radiation hardened synchronous buck converter.

The study was done to determine TID effects under low dose rate (LDR) up to 100krad(Si) and high dose rate (HDR) up to 100krad(Si) after 168h anneal at room temperature (resulting in an effective dose rate of 165mrad(Si)/s).

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 TPS7H4011 is a 14V, 12A synchronous buck converter optimized for use in a space environment. High efficiency and reduced component count are achieved through peak current mode control.

The wide voltage range of the TPS7H4011 enables the device to be used as a point of load regulator to convert directly from a 12V or 5V rail. The output voltage start-up ramp is controlled by the SS_TR pin. Power sequencing is possible with the EN and PWRGD pins. The device can be configured with up-to four devices in parallel without an external clock for increased current capabilities. Additionally, various features are included such as differential remote sensing, selectable current limit, a flexible fault input pin, and configurable compensation.

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 Exposure Details	
TI Device	TPS7H4011-SP
Package	30-pin CFP (HLB)
TI Part Name	5962R2122101VXC
Technology	LBC7 (Linear BiCMOS 7)
Assembly Lot Number	4002624MTT
Quantity Tested	HDR: 50 Devices • 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 • Three control/correlation units with no exposure
HDR Radiation Facility	Texas Instruments, Dallas, TX
HDR Dose Level	100krad(Si)
HDR Dose Rate	179.791rads(Si)/s ionizing radiation dose rate 1
HDR Radiation Source	Gamma cell Co-60
LDR Radiation Facility	Radiation Test Solutions (RTS) - Colorado Springs, CO
LDR Dose Level	LDR: 50 Devices • 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 • Six control/correlation units with no exposure
LDR Dose Rate	0.01rad(Si)/s
LDR Radiation Source	Gammacell (JLS-81-22) Co-60
Irradiation Temperature	Ambient, room temperature controlled to 25°C (±6°C) per MIL-STD-883 and MIL-STD-750.

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1. 100krad HDR biased and unbiased devices were annealed for 1 week at room temperature with their respective bias condition resulting in an effective dose rate of 165mrad(Si)/s.

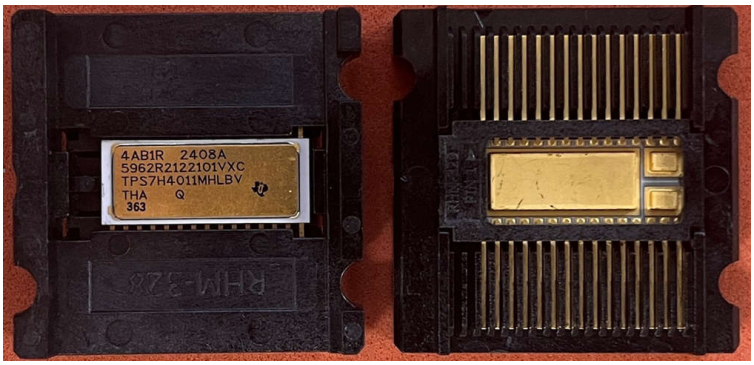

Figure 1-1. TPS7H4011-SP Device Used in Exposure

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2 Total Dose Test Setup

2.1 Test Overview

The TPS7H4011-SP was tested according to MIL-STD-883, Test Method 1019.9. For this testing, Condition A was used. The product was irradiated up to the target radiation level, and then put through full electrical parametric testing on the production Automated Test Equipment (ATE). All devices remained functional passing all parametric test limits.

2.2 Test Description and Facilities

The TPS7H4011-SP HDR exposure was performed on biased and unbiased devices in a Co-60 gamma cell at TI facility in Dallas, Texas. The unattenuated dose rate of this cell was 179.791 rads(Si)/s . The 100krad(Si) biased and unbiased devices were annealed with the respective biased and unbiased condition for 168 hours and retested. The effective dose rate for these devices was 165 mrad(Si)/s. ATE test limits are set per data sheet electrical limits based on qualification and characterization data.

The TPS7H4011-SP LDR exposure was performed on biased and unbiased devices in a Co-60 gammacell under a 10mrad(Si)/s exposure rate. The dose rate of the irradiator used in the exposure ranges from <10mrad(Si)/s to a maximum of approximately 84rad(Si)/s, determined by the distance from the source. For the LDR (10mrad(Si)/s) exposure, the test box was positioned approximately 2m from the source. The exposure boards are housed in a lead-aluminum box (as specified in MIL-STD-883 TM 1019.9) to harden the gamma spectrum and minimize dose enhancement effects. The irradiator calibration is maintained by Logmire Laboratories using thermoluminescence dosimeters (TLDs) traceable to the National Institute of Standards and Technology (NIST) and the dosimetry was verified using TLDs prior to the radiation exposures. After exposure, the devices were electrically tested at Texas Instruments. ATE test limits are set per datasheet electrical limits based on qualification and characterization data.

2.3 Test Setup Details

The devices under HDR and LDR exposure was tested in two conditions, biased and unbiased, as described in the following sections

2.3.1 Unbiased

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

2.3.2 Biased

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

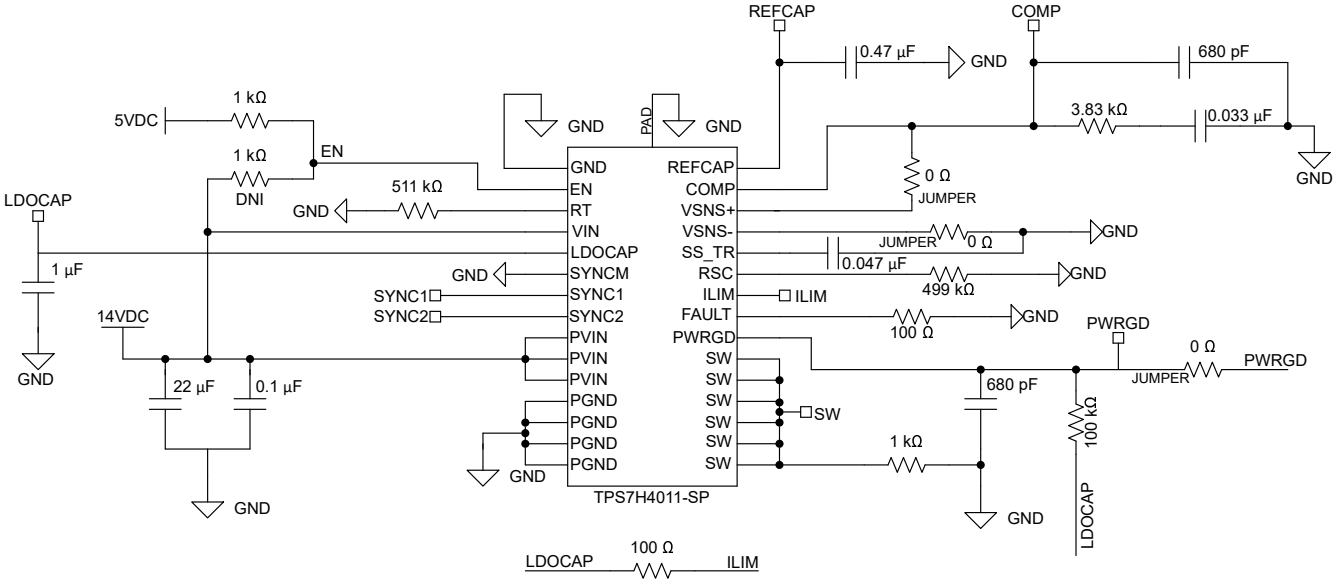

Figure 2-1. TPS7H4011-SP Bias Diagram

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2.4 Test Configuration and Condition

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

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

Table 2-1. HDR: Biased Device Information

Total Samples: 25				
Exposure Levels				
3krad(Si)	10krad(Si)	30krad(Si)	50krad(Si)	100krad(Si)
#492, #493, #494, #495, #496	#481, #482, #483, #484, #485	#466, #469, #470, #472, #474	#417, #418, #419, #421, #422	#390, #392, #393, #394, #395

Table 2-2. HDR: Unbiased Device Information

Total Samples: 25				
Exposure Levels				
3krad(Si)	10krad(Si)	30krad(Si)	50krad(Si)	100krad(Si)
#497, #498, #499, #500, #502	#487, #488, #489, #490, #491	#475, #476, #478, #479, #480	#423, #424, #425, #426, #427	#412, #413, #414, #415, #416

Table 2-3. LDR: Biased Device Information

Total Samples: 25				
Exposure Levels				
3krad(Si)	10krad(Si)	30krad(Si)	50krad(Si)	100krad(Si)
#1, #2, #3, #4, #5	#6, #7, #8, #9, #10	#11, #12, #13, #14, #15	#16, #17, #18, #19, #20	#21, #22, #23, #24, #25

Table 2-4. LDR: Unbiased Device Information

Total Samples: 25				
Exposure Levels				
3krad(Si)	10krad(Si)	30krad(Si)	50krad(Si)	100krad(Si)
#26, #27, #28, #29, #30	#31, #32, #33, #34, #35	#36, #37, #38, #39, #40	#41, #42, #43, #44, #45	#46, #47, #48, #49, #50

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3 TID Characterization Test Results

3.1 TID Characterization Summary Results

The parametric data for the TPS7H4011-SP passes up to 100krad(Si) LDR and HDR TID irradiation. The drifts of the electrical parameters through HDR were within the data sheet limits.

Overall, the TPS7H4011-SP showed a strong degree of hardness to LDR and 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 pre- and post- irradiation were still within the electrical performance characteristics specified in the data sheet electrical parameters. See Table 3-1 for electrical parameters. Test numbers are listed only for parameters tested for TID.

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

See Appendix B for LDR report up to 100krad(Si).

3.2 Data Sheet Electrical Parameter Characteristics

Over 4.5V ≤ VIN ≤ 14V, PVIN = VIN, VSNS- = 0V, open loop configuration, IOUT = 0A, TA = 25°C, unless otherwise noted

Table 3-1. Data Sheet Electrical Parameter Characteristics

PARAMETER		TEST CONDITIONS		SUB-GROUP	MIN	TYP	MAX	UNIT	TEST NUMBERS
POWER SUPPLIES AND CURRENTS									
V_{UVLOR_PVIN}	PVIN internal UVLO rising threshold			1, 2, 3	3.2	3.4	3.6	V	14.1,14.7, 14.13, 14.19
$V_{UVLOHYST_PVIN}$	PVIN internal UVLO hysteresis			1, 2, 3	425	450	500	mV	14.3, 14.9, 14.15, 14.21
V_{UVLOR_VIN}	VIN internal UVLO rising threshold			1, 2, 3	3.4	3.6	3.8	V	14.4, 14.10, 14.16, 14.22
$V_{UVLOHYST_VIN}$	VIN internal UVLO hysteresis			1, 2, 3	140	155	170	mV	14.6, 14.12, 14.18, 14.24
I_{SHDN_VIN}	VIN shutdown supply current	V_{EN} = 0V	VIN = 4.5V	1, 2, 3		2	2.9	mA	12.1
			VIN = 14V	1, 2, 3		2	3		12.16
I_{SHDN_PVIN}	PVIN shutdown supply current	V_{EN} = 0V	PVIN = 4.5V	1, 2, 3		2.6	3.5	mA	12.2
			PVIN = 14V	1, 2, 3		3.5	4.7		12.17
I_{Q_VIN}	VIN operating quiescent current (non switching)	V_{EN} = 7V, VSENSE = 1V		1, 2, 3		2.6	5	mA	12.3, 12.8, 12.13, 12.18
ENABLE AND FAULT									
$V_{EN(rising)}$	Enable rising threshold (turn-on)			1, 2, 3	0.555	0.61	0.655	V	15.3, 15.6, 15.9, 15.12
$V_{EN(falling)}$	Enable falling threshold (turn-off)			1, 2, 3	0.455	0.51	0.554		15.4, 15.7, 15.10, 15.13
$t_{EN(delay)}$	Enable propogation delay	EN high to SW high, SS pin open		1, 2, 3		52	100	µs	24.32, 24.72, 24.112, 24.152
$I_{EN(LKG)}$	Enable input leakage current	V_{EN} = 7V		1, 2, 3		2	100	nA	15.1, 15.15
$V_{FAULT(rising)}$	FAULT threshold rising (turn-off)			1, 2, 3	0.555	0.6	0.635	V	16.1, 16.5, 16.9, 16.13
$V_{FAULT(falling)}$	FAULT threshold falling (turn-on)			1, 2, 3	0.455	0.5	0.535		16.2,16.6, 16.10, 16.14
$V_{FAULT(HYS)}$	FAULT hysteresis voltage			1, 2, 3	90	100	110	mV	16.3, 16.7, 16.11, 16.15
$I_{FAULT(LKG)}$	Fault input leakage current	V_{FAULT} = 7V		1, 2, 3		3	5	µA	16.4, 16.8, 16.12, 16.16
$t_{FAULT(min)}$	FAULT minimum puls width			9, 10, 11	0.4		1.4	µs	24.39, 24.79, 24.119, 24.159

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Table 3-1. Data Sheet Electrical Parameter Characteristics (continued)

PARAMETER		TEST CONDITIONS		SUB-GROUP	MIN	TYP	MAX	UNIT	TEST NUMBERS
$t_{FAULT(delay)}$	FAULT delay duration			9, 10, 11	26	31	44	$(1/f_{sw})$ s	24.34, 24.36, 24.38, 24.74, 24.76, 24.78, 24.114, 24.116, 24.118, 24.154, 24.156, 24.158
VOLTAGE REFERENCE AND REMOTE SENSE									
V_{REF}	Internal voltage reference (including error amplifier V_{IO})	See data sheet for more info	T_A = –55°C	3	0.595	0.598	0.603	V	
			T_A = 25°C	1	0.596	0.6	0.603		17.3,17.11, 17.19, 17.27
			T_A = 125°C	2	0.596	0.599	0.603		
$V_{REF(internal)}$	Internal voltage reference (without error amplifier included)	$V_{REF(internal)} = V_{SS_TR}$ – VSNS-		1, 2, 3	0.593	0.6	0.606	V	17.1, 17.9, 17.17, 17.25
V_{BG}	Bandgap voltage (voltage at the REFCAP pin)	C_{REFCAP} = 470nF		1, 2, 3	1.184	1.2	1.222	V	12.5,12.10, 12.15, 12.20
$I_{VSNS+(LKG)}$	VSNS+ input leakage current	VSNS+ = 0.6V		1, 2, 3		10	30	nA	17.5, 17.13, 17.21, 17.29
I_{VSNS-}	VSNS- output current			1, 2, 3	8	10	12	µA	17.4, 17.12, 17.20, 17.28
ERROR AMPLIFIER									
V_{IO}	Error amplifier input offset voltage	VSENSE = 0.6V		1, 2, 3	–2.3		2.9	mV	17.2, 17.10, 17.18, 17.26
g_{mEA}	Error amplifier transconductance	–10µA < I_{COMP} < 10µA, V_{COMP} = 1V	T_A = –55°C	11	1400	2050	2700	µS	
			T_A = 25°C	9	1200	1650	2100		18.1,18.4, 18.7, 18.10
			T_A = 125°C	10	1000	1250	1500		
EA_{DC}	Error amplifier DC gain	VSENSE = 0.6V				11500		V/V	
EA_{ISRC}	Error amplifier source	V_{COMP} = 1V, 100mV input overdrive		1, 2, 3	90	125	200	µA	18.2,18.5, 18.8, 18.11
EA_{ISNK}	Error amplifier sink				90	125	200		18.3, 18.6, 18.9, 18.12
EA_{Ro}	Error amplifier output resistance					7		MΩ	
EA_{BW}	Error amplifier bandwidth					9		MHz	
g_{mps}	Power stage transconductance, 18.3A (typ) current limit	I_{OUT} = 12, ILM = AVDD	T_A = –55°C	3	14.4	19.4	24.8	S	
			T_A = 25°C	1	15.2	20.4	26.1		20.12, 20.46, 20.80, 20.114
			T_A = 125°C	2	16	21	27		
g_{mps}	Power stage transconductance, 13.4A (typ) current limit	I_{OUT} = 9A, R_{ILIM_TOP} = 49.9kΩ, R_{ILIM_BOT} = 100kΩ	T_A = –55°C	3	9.3	13.3	17	S	
			T_A = 25°C	1	9.6	13.8	17.5		20.13, 20.47, 20.81, 20.115
			T_A = 125°C	2	9.7	14	18.1		
g_{mps}	Power stage transconductance, 18.3A (typ) current limit	V_{COMP} = 0.6V, ILIM = AVDD		1, 2, 3	17.8	22.4	28.3	S	20.18, 20.52, 20.86, 20.120
g_{mps}	Power stage transconductance, 13.4A (typ) current limit	V_{COMP} = 0.65V, R_{ILIM_TOP} =49.9kΩ, R_{ILIM_BOT} = 100kΩ		1, 2, 3	12.8	16.1	20.6	S	20.19, 20.53, 20.87, 20.121
g_{mps}	Power stage transconductance, 9A (typ) current limit	V_{COMP} = 0.65V, R_{ILIM_TOP} =100kΩ, R_{ILIM_BOT} = 49.9kΩ		1, 2, 3	8	11	15.5	S	20.20, 20.54, 20.88, 20.122
g_{mps}	Power stage transconductance, 5.6A (typ) current limit	V_{COMP} = 0.75V, ILIM = GND		1, 2, 3	4.6	7.2	9.2	S	20.21, 20.55, 20.89, 20.123

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Table 3-1. Data Sheet Electrical Parameter Characteristics (continued)

PARAMETER		TEST CONDITIONS		SUB-GROUP	MIN	TYP	MAX	UNIT	TEST NUMBERS
OVERCURRENT PROTECTION									
I_{OC_HS1}	High-side switch current limit threshold 1	R_{SHORT} = 100mΩ	ILIM = GND	1, 2, 3		5.6	7.5	A	
			R_{ILIM_T} = 100kΩ, R_{ILIM_B} = 49.9kΩ	1, 2, 3		9	11.9		20.5, 20.39, 20.73, 20.107
			R_{ILIM_T} = 49.9kΩ, R_{ILIM_B} = 100kΩ	1, 2, 3		13.4	17.8		20.10, 20.44, 20.78, 20.112
			ILIM = AVDD	1, 2, 3		18.3	24.9		20.7, 20.41, 20.75, 20.109
I_{OC_HS2}	High-side switch current limit threshold 2	VIN = 12V, R_{SHORT} ≈ 4mΩ	ILIM = GND			6.6		A	20.8, 20.42, 20.76, 20.110
			R_{ILIM_T} = 100kΩ, R_{ILIM_B} = 49.9kΩ			11.1			20.9, 20.43, 20.77, 20.111
			R_{ILIM_T} = 49.9kΩ, R_{ILIM_B} = 100kΩ			17			20.10, 20.44, 20.78, 20.112
			ILIM = AVDD			23.9			20.11, 20.45, 20.79, 20.113
$I_{OC_LS(sink)}$	Low-side switch sinking overcurrent threshold	T_A = –55°C		3	1.6	2.3	3.6	A	
		T_A = 25°C		1	1.5	2.2	3.3		19.2,19.5, 19.8, 19.11
		T_A = 125°C		2	1.4	2	2.8		
$I_{ILIM(lkg)}$	ILIM input leakage current	ILIM = 7V		1, 2, 3		2	100	nA	15.2,15.16
$COMP_{SHDN}$	COMP shutdown voltage			1, 2, 3	1.7	1.9	2.1	V	22.1,22.7, 22.13,22.19
$t_{COMP(delay)}$	COMP shutdown delay					30		µs	
SOFT START AND TRACKING									
t_{SS}	Soft start time	V_{SS_TR} from 10% to 90%, VSNS- = GND, $V_{OUT(set)}$ = 3.3V	C_{SS} = 5.6nF			1.5		ms	22.4,22.10, 22.16,22.22
			C_{SS} = 22nF	9, 10, 11	4.7	5.8	7.3		22.5,22.11, 22.17,22.23
			C_{SS} = 100nF			24.7			22.6,22.12, 22.18,22.24
$R_{SS(discharge)}$	Soft start discharge pull-down resistor			1, 2, 3	200	442	700	Ω	22.2,22.8, 22.14,22.20
$SS_{startup}$	Maximum voltage on SS before startup (5)					20		mV	22.3,22.9, 22.15,22.21

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Table 3-1. Data Sheet Electrical Parameter Characteristics (continued)

PARAMETER		TEST CONDITIONS		SUB-GROUP	MIN	TYP	MAX	UNIT	TEST NUMBERS
SLOPE COMPENSATION									
SC	Slope compensation with 18.3A (typ) current limit	f_{SW} = 100kHz, ILIM = AVDD	R_{SC} = 1.1MΩ			–0.7		A/µs	
		f_{SW} = 500kHz, ILIM = AVDD	R_{SC} = 80.6kΩ			–8.8			
			R_{SC} = 196kΩ			–4.2			
			R_{SC} = 1.1MΩ			–1.2			
		f_{SW} = 1000kHz, ILIM = AVDD	R_{SC} = 80.6kΩ			–10.5			
			R_{SC} = 196kΩ			–5.1			
			R_{SC} = 1.1MΩ			–2.1			
	Slope compensation with 13.4A (typ) current limit	f_{SW} = 500kHz, R_{ILIM_TOP} = 49.9kΩ, R_{ILIM_BOT} = 100kΩ	R_{SC} = 196kΩ			–3.2		A/µs	
	Slope compensation with 9A (typ) current limit	f_{SW} = 500kHz, R_{ILIM_TOP} = 100kΩ, R_{ILIM_BOT} = 49.9kΩ	R_{SC} = 196kΩ			–2.4		A/µs	
	Slope compensation with 5.6A (typ) current limit	f_{SW} = 500kHz, ILIM = GND	R_{SC} = 196kΩ			–1.8		A/µs	
MINIMUM ON TIME AND DEAD TIME									
$t_{on(min)}$	Minimum on time	50% to 50% of VIN, I_{SW} = 2A	VIN = 4.5V	9, 10, 11		210	235	ns	24.31
			VIN = 5V	9, 10, 11		213	250		24.71
			VIN = 12V	9, 10, 11		199	250		24.111
			VIN = 14V	9, 10, 11		199	250		24.151
$t_{off(min)}$	Minimum off time	I_{SW} = 2A				306		ns	
t_{dead}	Dead time					70		ns	24.4, 24.8, 24.12, 24.16
SWITCHING FREQUENCY AND SYNCHRONIZATION									
f_{SW}	RT programmed switching frequency	R_{RT} = 511kΩ		4, 5, 6	90	100	120	kHz	24.14, 24.15, 24.54, 24.55, 24.94, 24.95, 24.134, 24.135
		R_{RT} = 90.9kΩ		4, 5, 6	450	500	550		24.26, 24.27, 24.66, 24.67, 24.106, 24.107, 24.146, 24.147
		R_{RT} = 40.2kΩ	VIN = 4.5V	4, 5, 6	850	1000	1150		24.28, 24.29
			5V ≤ VIN ≤ 14V	4, 5, 6	870	1000	1170		24.68, 24.69, 24.108, 24.109, 24.148, 24.149
t_{SYNC_R}	SYNC1 out low-to-high rise time (10% to 90%)	Cload = 25pF, see see SYNCx Rise and Fall Time		9, 10, 11		10	21	ns	24.18, 24.19, 24.58, 24.59, 24.98, 24.99, 24.138, 24.139
t_{SYNC_F}	SYNC1 out high-to-low fall time (90% to 10%)	Cload = 25pF, see SYNCx Rise and Fall Time		9, 10, 11		10	21	ns	24.20, 24.21, 24.60, 24.61, 24.100, 24.101, 24.140, 24.141
$SYNC_{PH_2_1}$	SYNC2 to SYNC1 rising edge phase shift	SYNCM = GND		9, 10, 11	82	90	98	°	24.17, 24.57, 24.97, 24.137

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Table 3-1. Data Sheet Electrical Parameter Characteristics (continued)

PARAMETER		TEST CONDITIONS		SUB-GROUP	MIN	TYP	MAX	UNIT	TEST NUMBERS
t_{SYNC_D}	SYNC1 to SW delay	Non-inverted SYNC1 input (SYNC2 = AVDD, SYNCM = AVDD)	VIN = 4.5V	9, 10, 11	140	225	350	ns	24.2
			5V ≤ VIN ≤ 14V	9, 10, 11	120	210	270		24.42, 24.82,24.122
			VIN = 12V, IOUT = 12A			224			
		Inverted SYNC1 input (SYNC2 = GND, SYNCM = AVDD)	VIN = 4.5V	9, 10, 11	150	256	390	ns	24.3
			5V ≤ VIN ≤ 14V	9, 10, 11	140	240	300		24.43, 24.83,24.123
			VIN = 12V, IOUT = 12A			246			
		SYNC1 output (SYNCM = GND)	VIN = 4.5V	9, 10, 11	110	180	280	ns	24.16
			5V ≤ VIN ≤ 14V	9, 10, 11	90	175	250		24.56, 24.96,24.136
			VIN = 12V, IOUT = 12A			184			
$V_{SYNCx(OH)}$	SYNC1, SYNC2 output high	SNYCM = GND, I_{OH} = 2mA	4.5V ≤ VIN ≤ 5V	1, 2, 3	VIN–0.3			V	24.22, 24.23,24.62, 24.63
			VIN > 5V	1, 2, 3	4.5	5	5.2		24.102,24.103,24.142,24.143
$V_{SYNCx(OL)}$	SYNC1, SYNC2 output low	SYNCM = GND, I_{OL} = 2mA		1, 2, 3			0.4	V	24.24, 24.25,24.64, 24.65,24.104,24.105,24.144,24.145
$V_{SYNC1(IH)}$	SYNC1 input high threshold	SYNCM = AVDD		1, 2, 3			1.7	V	24.4,24.44, 24.84,24.124
$V_{SYNC1(IL)}$	SYNC1 input low threshold	SYNCM = AVDD		1, 2, 3	0.7				24.5,24.45, 24.85,24.125
f_{SYNC}	SYNC1 input frequency range	SYNCM = AVDD		4, 5, 6	100		1000	kHz	24.1,24.8, 24.9,24.41, 24.48,24.49, 24.81,24.88, 24.89,24.121,24.128,24.129
D_{SYNC}	SYNC1 input duty cycle range	SYNCM = AVDD, external clock duty cycle		4, 5, 6	40%		60%		24.10, 24.11,24.50, 24.51,24.90, 24.91,24.130,24.131
$t_{CLK_E_I}$	External clock to internal clock detection time	SYNCM = AVDD, RT populated		9, 10, 11		2	5	$(1/f_{sw})$ s	24.12, 24.52,24.92, 24.132
$t_{CLK_I_E}$	Internal clock to external clock detection time	SYNCM = AVDD, RT populated		9, 10, 11		1	2	$(1/f_{sw})$ s	24.13, 24.53,24.93, 24.133
POWER GOOD AND THERMAL SHUTDOWN									
$PWRGD_{LOW_F\%}$	PWRGD falling threshold (fault), low	Threshold for PWRGD (VSENSE as percent of V_{REF}), VSNS- = 0V	VSENSE falling	1, 2, 3	90%	92%	95%		23.2,23.9, 23.16,23.23
$PWRGD_{LOW_R\%}$	PWRGD rising threshold (good), low		VSENSE rising	1, 2, 3	93%	95%	98%		23.3,23.10, 23.17,23.24
$PWRGD_{HIGH_R\%}$	PWRGD rising threshold (fault), high		VSENSE rising	1, 2, 3	106%	108%	112%		23.4,23.11, 23.18,23.25
$PWRGD_{HIGH_F\%}$	PWRGD falling threshold (good), high		VSENSE falling	1, 2, 3	103%	105%	109%		23.5,23.12, 23.19,23.26
$I_{PWRGD(LKG)}$	Output high leakage	VSENSE = V_{REF}, V_{PWRGD} = 7V		1, 2, 3		50	500	nA	23.6,23.13, 23.20,23.27
$V_{PWRGD\ (OL)}$	Power good output low	$I_{PWRGD\ (SINK)}$ = 0mA to 2mA		1, 2, 3		250	300	mV	23.7,23.14, 23.21,23.28

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Table 3-1. Data Sheet Electrical Parameter Characteristics (continued)

PARAMETER		TEST CONDITIONS		SUB-GROUP	MIN	TYP	MAX	UNIT	TEST NUMBERS
VIN_{MIN_PWRGD}	Minimum VIN for valid PWRGD output	Measured when V_{PWRGD} ≤ 0.5V at 100µA		1, 2, 3		1	2	V	23.1
$T_{SD(enter)}$	Thermal shutdown enter temperature					170		°C	
$T_{SD(exit)}$	Thermal shutdown exit temperature					135			
$T_{SD(HYS)}$	Thermal shutdown hysteresis					35			
MOSFET									
$R_{DS_ON_HS}$	High-side switch resistance at I_{HS} = 12A (lead length ≈ 3mm)	PVIN = VIN = 4.5V	T_A = –55℃	3		38	53	mΩ	
			T_A = 25℃	1		50	61		20.2,20.3
			T_A = 125℃	2		64	79		
		PVIN = VIN = 5V	T_A = –55℃	3		36	50		
			T_A = 25℃	1		48	60		20.36, 20.37
			T_A = 125℃	2		62	73		
		PVIN = VIN = 12V	T_A = –55℃	3		34	45		
			T_A = 25℃	1		45	53		20.70, 20.71
			T_A = 125℃	2		59	67		
		PVIN = VIN = 14V	T_A = –55℃	3		34	45		
			T_A = 25℃	1		45	53		20.104,20.105
			T_A = 125℃	2		59	67		
$R_{DS_ON_LS}$	Low-side switch resistance at I_{LS} = 12A (lead length ≈ 3mm)	PVIN = VIN = 4.5V	T_A = –55℃	3		25	40	mΩ	
			T_A = 25℃	1		35	51		21.2,21.3
			T_A = 125℃	2		51	61		
		PVIN = VIN = 5V	T_A = –55℃	3		23	35		
			T_A = 25℃	1		33	45		21.8,21.9
			T_A = 125℃	2		48	56		
		PVIN = VIN = 12V	T_A = –55℃	3		23	32		
			T_A = 25℃	1		33	42		21.14, 21.15
			T_A = 125℃	2		47	55		
		PVIN = VIN = 14V	T_A = –55℃	3		23	32		
			T_A = 25℃	1		33	42		21.20, 21.21
			T_A = 125℃	2		47	55		

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4 Applicable and Reference Documents

4.1 Applicable Documents

- Texas Instruments, *TPS7H4011-SP and TPS7H4011-SEP 4.5V to 14V Input 12A Radiation Hardened Synchronous Buck Converter*, data sheet.
- Texas Instruments, *TPS7H4011-SP (TPS7H4011EVM-CVAL) Evaluation Module User's Guide*, user's guide.

4.2 Reference Documents

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

A Appendix A: HDR Results Report

This appendix contains the HDR TID report data.

The following decoder serves as a reference guide for the test parameters shown in the appendix:

Please reference Table A-1 below for an example implementation of this decoder.

Table A-1. Decoder Implementation, Example Test: _IDD|STATIC/VIN/14////@VIN_SHDN_CURR_14V

Test Category	Header	Pin Name	Input Voltage	Load Current	Frequency Set Resistor Vlue	Condition	Specification Identifier
IDD	STATIC	VIN	14V	N/A	N/A	N/A	@VIN_SHDN_CURR_14

Note that the absence of identifiers in a parameter name indicates that the identifier is not applicable. For instance, this test does not have the device driving an external load, and thus no load current is specified.

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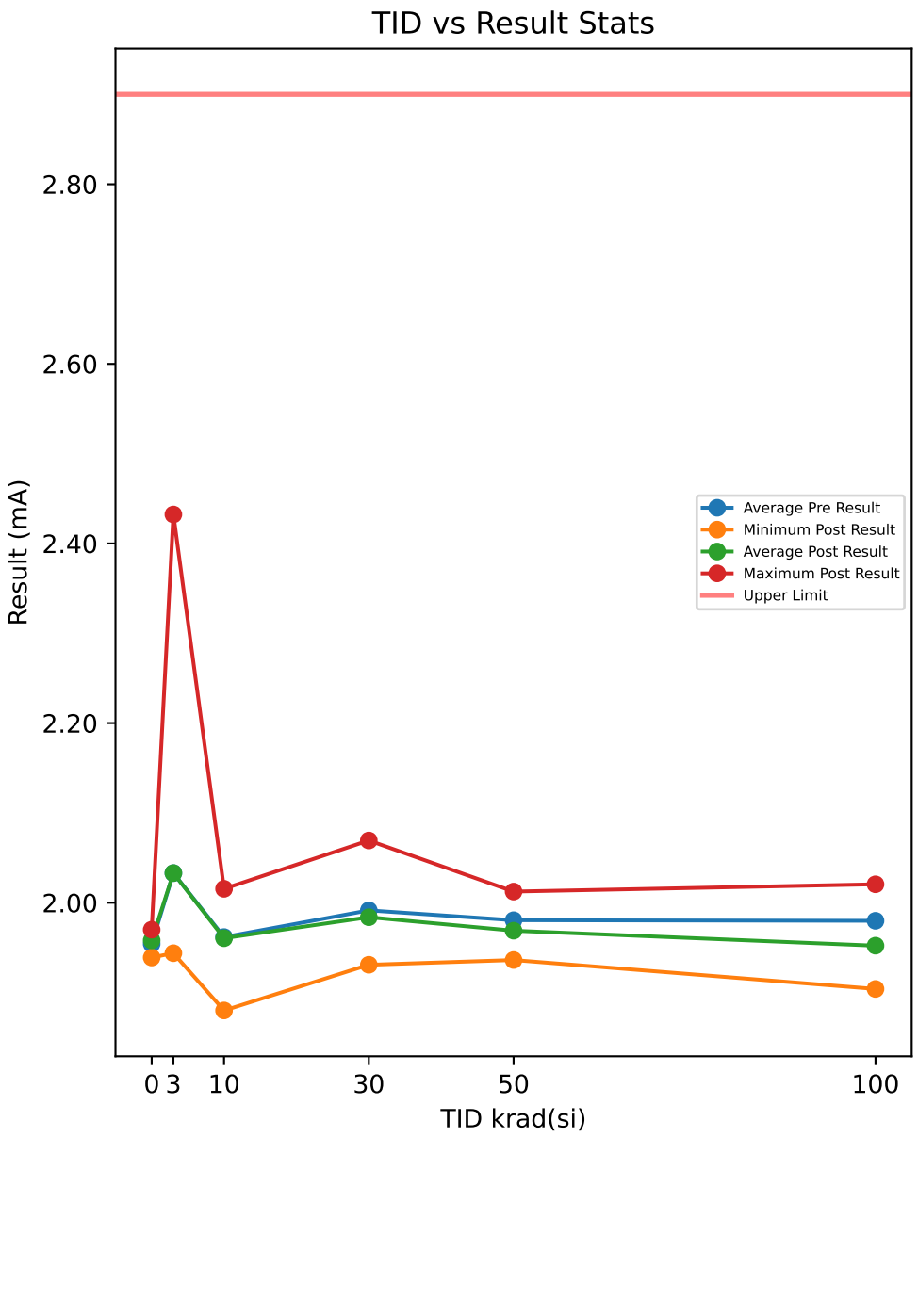
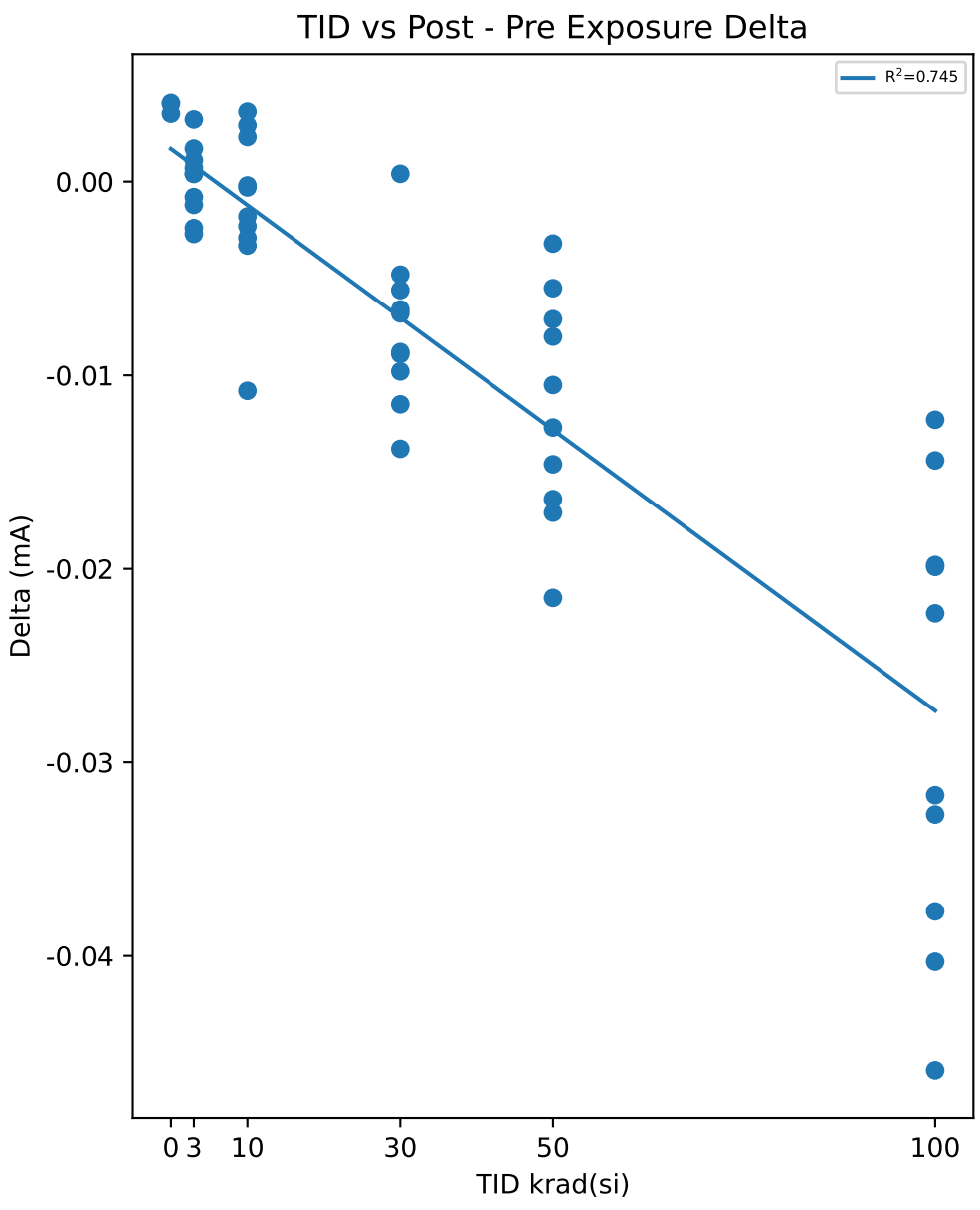
Device Test: 12.1 VIN_SHDN_CURR_4V(IDD|STATIC/VIN/4.5////@VIN_SHDN_CURR_4V)





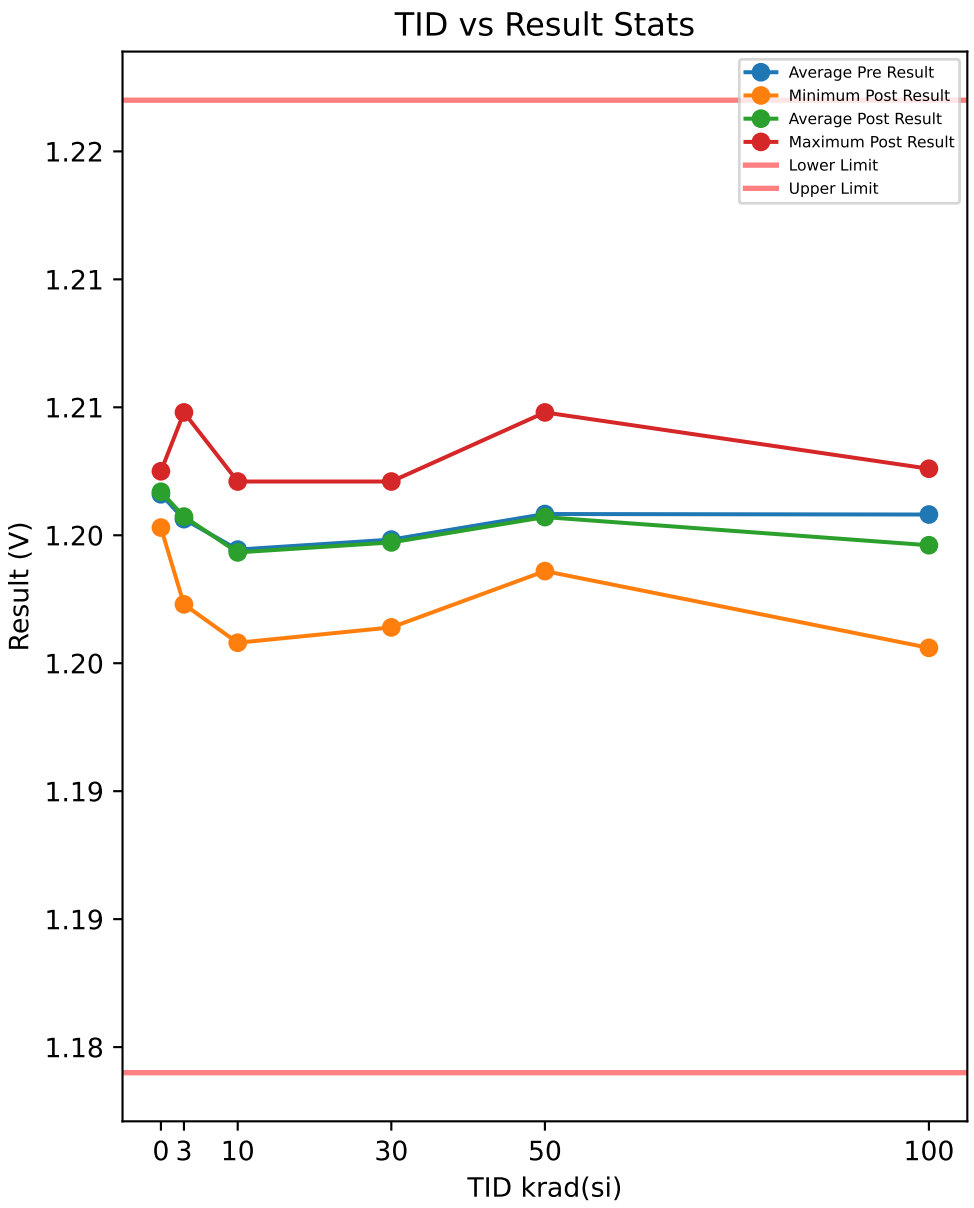
Test Results (Upper Limit = 2.9 (mA))

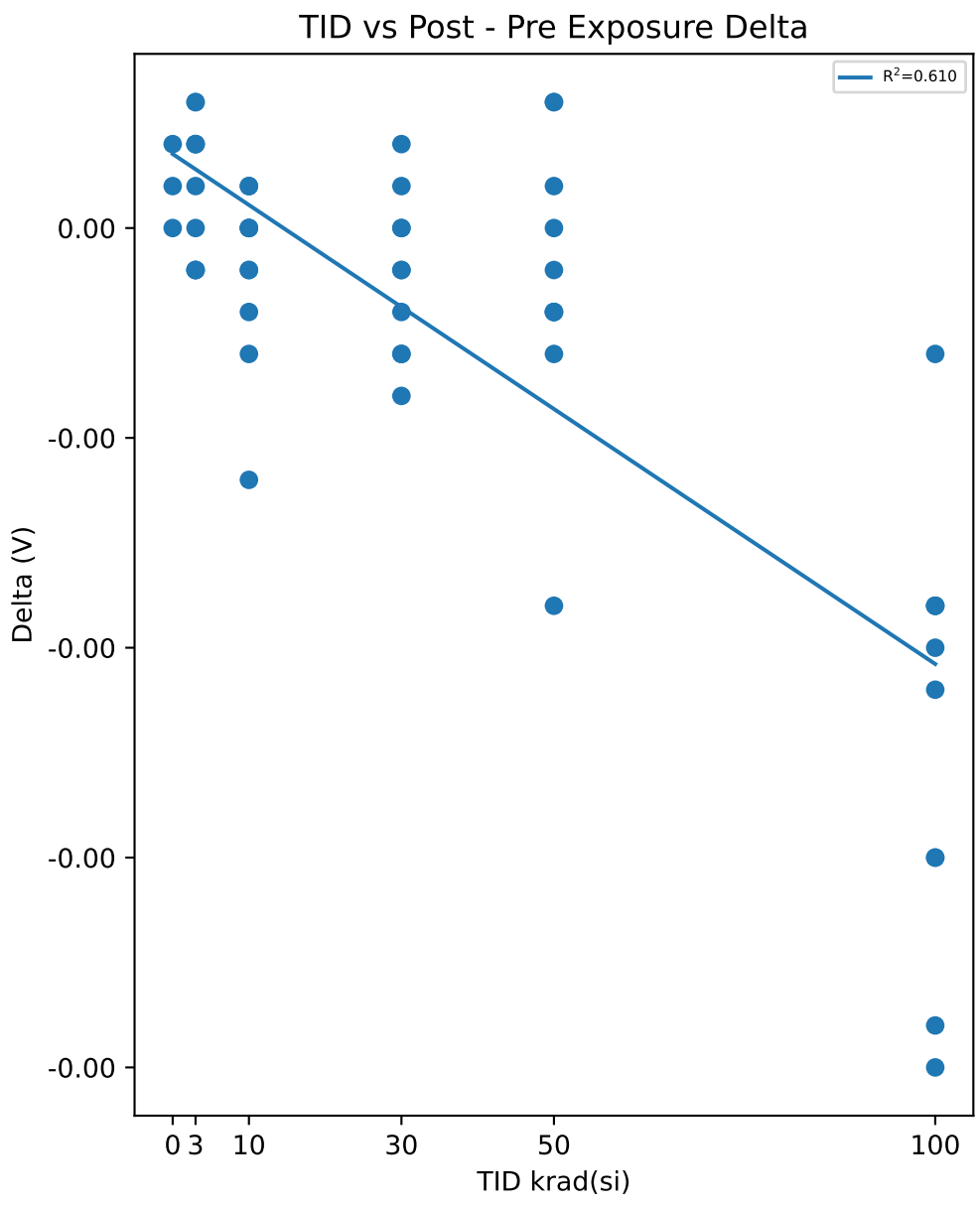
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
390	100	Biased	2.0346	2.0147	-0.0199
392	100	Biased	2.0349	2.0205	-0.0144
393	100	Biased	1.936	1.9162	-0.0198
394	100	Biased	2.0311	1.9994	-0.0317
395	100	Biased	1.9558	1.9435	-0.0123
412	100	Unbiased	1.9652	1.9325	-0.0327
413	100	Unbiased	1.9622	1.9163	-0.0459
414	100	Unbiased	1.9553	1.933	-0.0223
415	100	Unbiased	1.9819	1.9416	-0.0403
416	100	Unbiased	1.9417	1.904	-0.0377
417	50	Biased	1.9607	1.9502	-0.0105
418	50	Biased	1.9681	1.9554	-0.0127
419	50	Biased	1.9732	1.9677	-0.0055
421	50	Biased	1.9886	1.9806	-0.008
422	50	Biased	1.9818	1.9654	-0.0164
423	50	Unbiased	1.9988	1.9817	-0.0171
424	50	Unbiased	1.9508	1.9362	-0.0146
425	50	Unbiased	1.9548	1.9477	-0.0071
426	50	Unbiased	2.0127	1.9912	-0.0215
427	50	Unbiased	2.0156	2.0124	-0.0032
463	0	Corr	1.9349	1.939	0.0041
464	0	Corr	1.9617	1.9652	0.0035
465	0	Corr	1.966	1.97	0.004
466	30	Biased	1.97	1.9611	-0.0089
469	30	Biased	2.0741	2.0693	-0.0048
470	30	Biased	1.974	1.9744	0.0004
472	30	Biased	2.0064	1.9926	-0.0138
474	30	Biased	1.9365	1.9309	-0.0056
475	30	Unbiased	1.9781	1.9683	-0.0098
477	30	Unbiased	1.9837	1.9749	-0.0088
478	30	Unbiased	2.0088	2.0022	-0.0066
479	30	Unbiased	1.9906	1.9791	-0.0115
480	30	Unbiased	1.9926	1.9858	-0.0068
481	10	Biased	1.8908	1.88	-0.0108
482	10	Biased	1.9553	1.9551	-0.0002
483	10	Biased	1.9796	1.9832	0.0036
484	10	Biased	1.9704	1.9681	-0.0023
485	10	Biased	1.9704	1.9701	-0.0003
487	10	Unbiased	2.0184	2.0155	-0.0029
488	10	Unbiased	1.9634	1.9616	-0.0018
489	10	Unbiased	1.9755	1.9784	0.0029
490	10	Unbiased	1.9657	1.9624	-0.0033
491	10	Unbiased	1.9282	1.9305	0.0023
492	3	Biased	1.9897	1.9901	0.0004
493	3	Biased	1.9718	1.975	0.0032
494	3	Biased	2.0078	2.0085	0.0007
495	3	Biased	1.9845	1.9856	0.0011
496	3	Biased	2.041	2.0427	0.0017
497	3	Unbiased	2.4347	2.4323	-0.0024
498	3	Unbiased	1.9781	1.9769	-0.0012
499	3	Unbiased	1.9673	1.9665	-0.0008
500	3	Unbiased	2.0081	2.0085	0.0004
502	3	Unbiased	1.9465	1.9438	-0.0027

Test Statistics (mA)

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	1.9349	1.9542	1.966	0.016852	1.939	1.9581	1.97	0.016686	0.0035	0.0038667	0.0041	0.00032146
3	1.9465	2.033	2.4347	0.14355	1.9438	2.033	2.4323	0.14287	-0.0027	4e-05	0.0032	0.0018338
10	1.8908	1.9618	2.0184	0.033476	1.88	1.9605	2.0155	0.035629	-0.0108	-0.00128	0.0036	0.0041483
30	1.9365	1.9915	2.0741	0.035559	1.9309	1.9839	2.0693	0.035705	-0.0138	-0.00762	0.0004	0.0039313
50	1.9508	1.9805	2.0156	0.023125	1.9362	1.9688	2.0124	0.022985	-0.0215	-0.01166	-0.0032	0.0058087
100	1.936	1.9799	2.0349	0.039079	1.904	1.9522	2.0205	0.043014	-0.0459	-0.0277	-0.0123	0.011535

Device Test: 12.10 VBANDGAP(LEVEL|STATIC/REFCAP/5////@VBANDGAP)





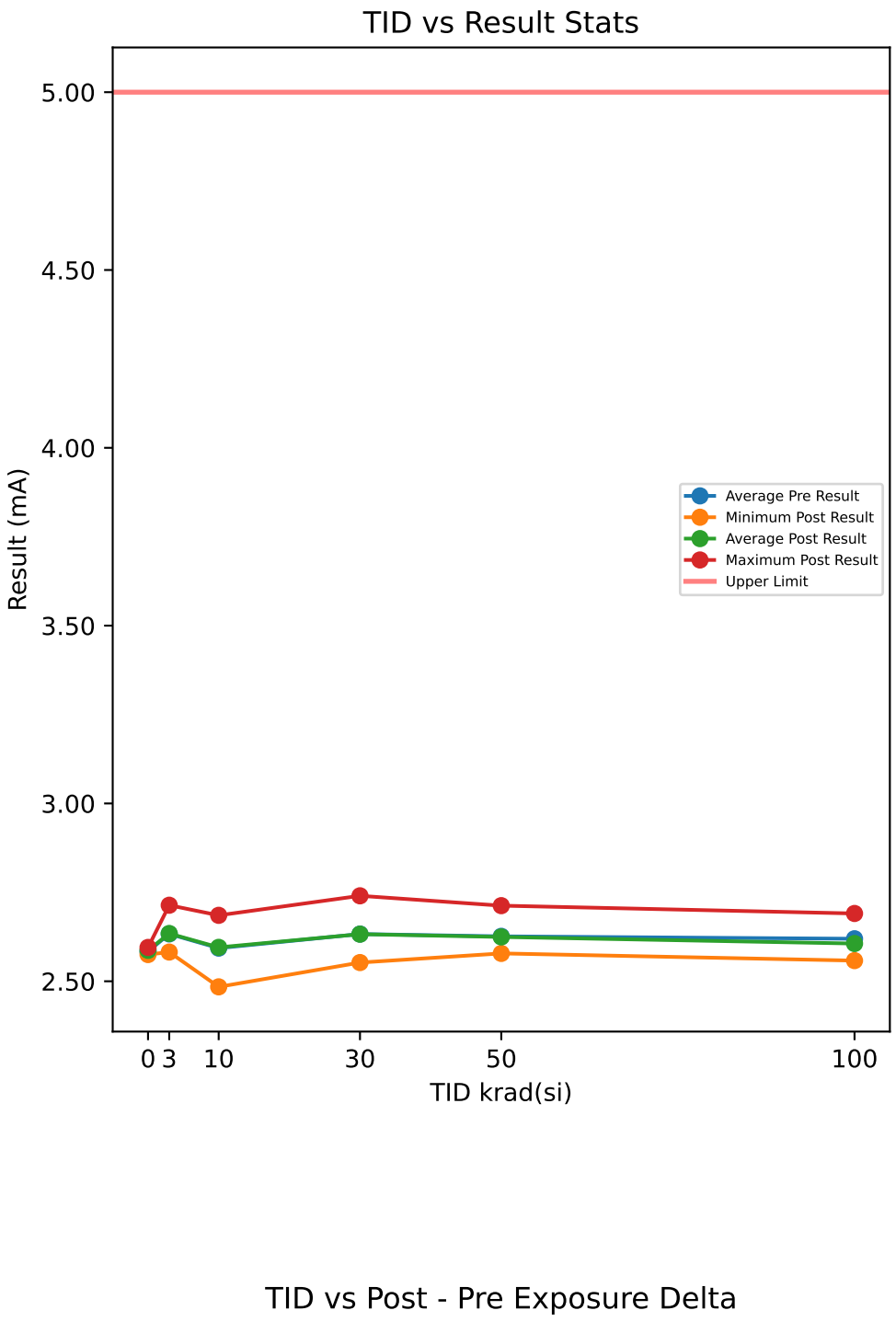
Test Results (Lower Limit = 1.184, Upper Limit = 1.222 (V))

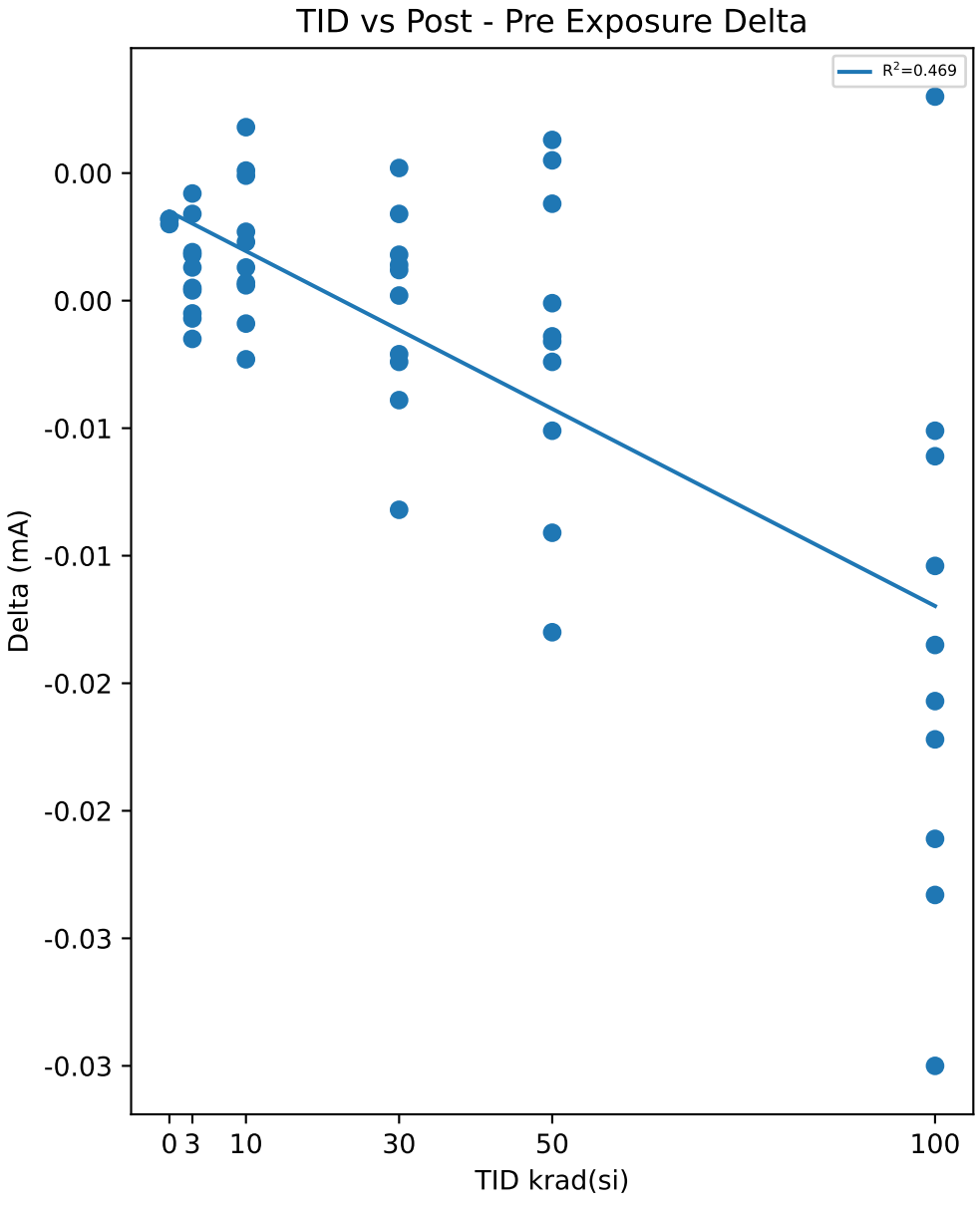
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
390	100	Biased	1.2058	1.2043	-0.0015
392	100	Biased	1.2027	1.2017	-0.001
393	100	Biased	1.2057	1.2054	-0.0003
394	100	Biased	1.2076	1.2065	-0.0011
395	100	Biased	1.2069	1.2049	-0.002
412	100	Unbiased	1.2075	1.206	-0.0015
413	100	Unbiased	1.2025	1.2006	-0.0019
414	100	Unbiased	1.2034	1.2025	-0.0009
415	100	Unbiased	1.2075	1.2066	-0.0009
416	100	Unbiased	1.2085	1.2076	-0.0009
417	50	Biased	1.2061	1.2058	-0.0003
418	50	Biased	1.2047	1.2048	0.0001
419	50	Biased	1.2058	1.2049	-0.0009
421	50	Biased	1.2036	1.2036	0
422	50	Biased	1.2067	1.207	0.0003
423	50	Unbiased	1.21	1.2098	-0.0002
424	50	Unbiased	1.2045	1.2044	-0.0001
425	50	Unbiased	1.2067	1.207	0.0003
426	50	Unbiased	1.2059	1.2057	-0.0002
427	50	Unbiased	1.2043	1.2041	-0.0002
463	0	Corr	1.2073	1.2073	0
464	0	Corr	1.2052	1.2053	0.0001
465	0	Corr	1.2073	1.2075	0.0002
466	30	Biased	1.2071	1.2071	0
469	30	Biased	1.206	1.2057	-0.0003
470	30	Biased	1.2037	1.2037	0
472	30	Biased	1.2013	1.2014	0.0001
474	30	Biased	1.2044	1.2042	-0.0002
475	30	Unbiased	1.2057	1.2056	-0.0001
477	30	Unbiased	1.2064	1.2061	-0.0003
478	30	Unbiased	1.2046	1.2045	-0.0001
479	30	Unbiased	1.2043	1.2039	-0.0004
480	30	Unbiased	1.2048	1.205	0.0002
481	10	Biased	1.2007	1.2008	0.0001
482	10	Biased	1.2069	1.207	0.0001
483	10	Biased	1.2013	1.2012	-0.0001
484	10	Biased	1.2019	1.2019	0
485	10	Biased	1.2045	1.2042	-0.0003
487	10	Unbiased	1.2026	1.2026	0
488	10	Unbiased	1.2058	1.2057	-0.0001
489	10	Unbiased	1.2077	1.2071	-0.0006
490	10	Unbiased	1.2065	1.2063	-0.0002
491	10	Unbiased	1.2065	1.2065	0
492	3	Biased	1.2035	1.2034	-0.0001
493	3	Biased	1.2037	1.2038	0.0001
494	3	Biased	1.207	1.2072	0.0002
495	3	Biased	1.2069	1.2072	0.0003
496	3	Biased	1.2072	1.2072	0
497	3	Unbiased	1.2034	1.2033	-0.0001
498	3	Unbiased	1.2024	1.2023	-0.0001
499	3	Unbiased	1.2096	1.2098	0.0002
500	3	Unbiased	1.2068	1.207	0.0002
502	3	Unbiased	1.2058	1.2061	0.0003

Test Statistics (V)

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	1.2052	1.2066	1.2073	0.0012124	1.2053	1.2067	1.2075	0.0012166	0	0.0001	0.0002	0.0001
3	1.2024	1.2056	1.2096	0.0022799	1.2023	1.2057	1.2098	0.0023949	-0.0001	0.0001	0.0003	0.0001633
10	1.2007	1.2044	1.2077	0.0025971	1.2008	1.2043	1.2071	0.0025042	-0.0006	-0.00011	0.0001	0.00021318
30	1.2013	1.2048	1.2071	0.001633	1.2014	1.2047	1.2071	0.0015789	-0.0004	-0.00011	0.0002	0.0001912
50	1.2036	1.2058	1.21	0.0018056	1.2036	1.2057	1.2098	0.0018351	-0.0009	-0.00012	0.0003	0.00034577
100	1.2025	1.2058	1.2085	0.0022058	1.2006	1.2046	1.2076	0.0023144	-0.002	-0.0012	-0.0003	0.00052068

Device Test: 12.13 IQ_VIN(IQ|STATIC/VIN/12////@IQ_VIN)





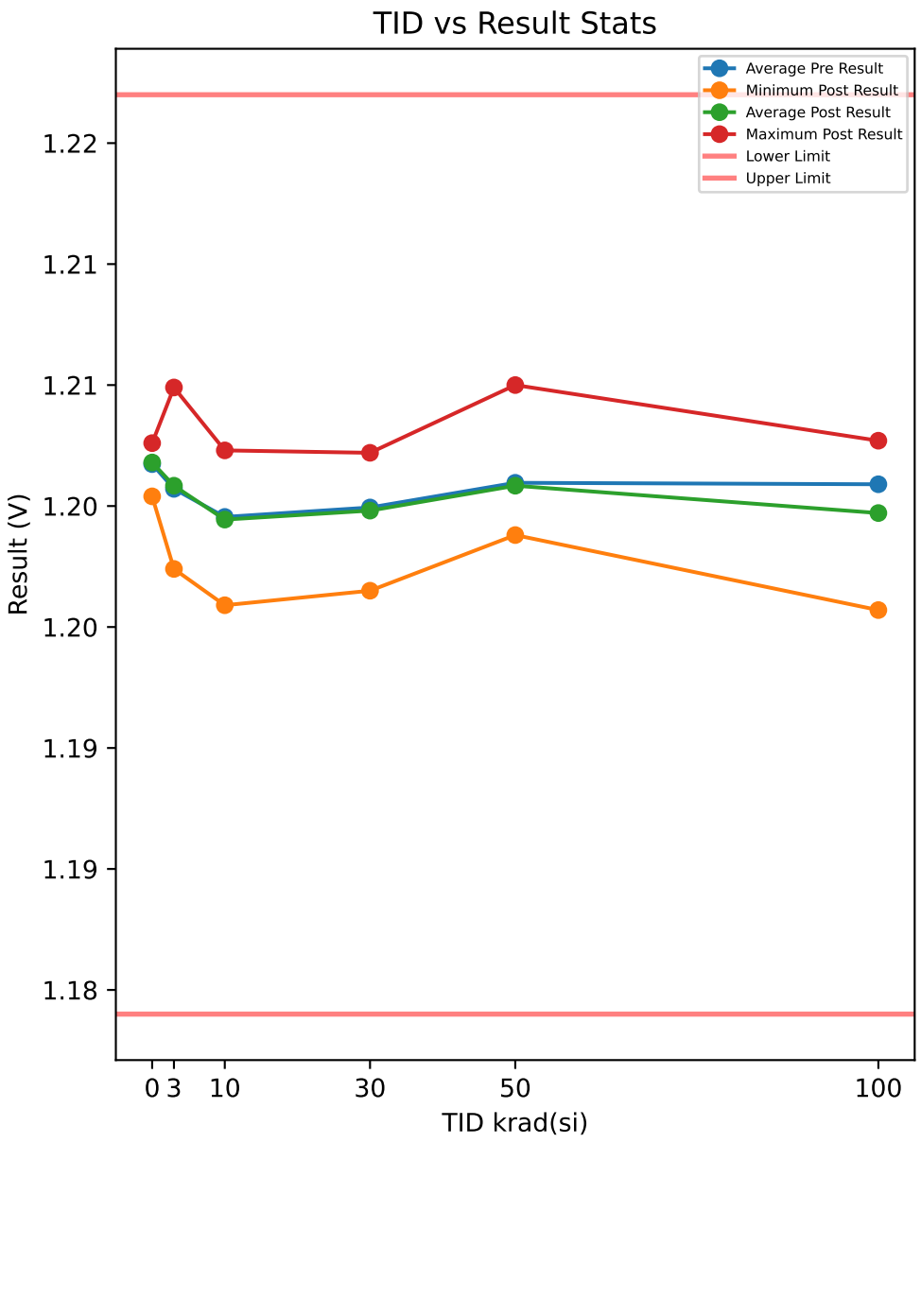
Test Results (Upper Limit = 5.0 (mA))

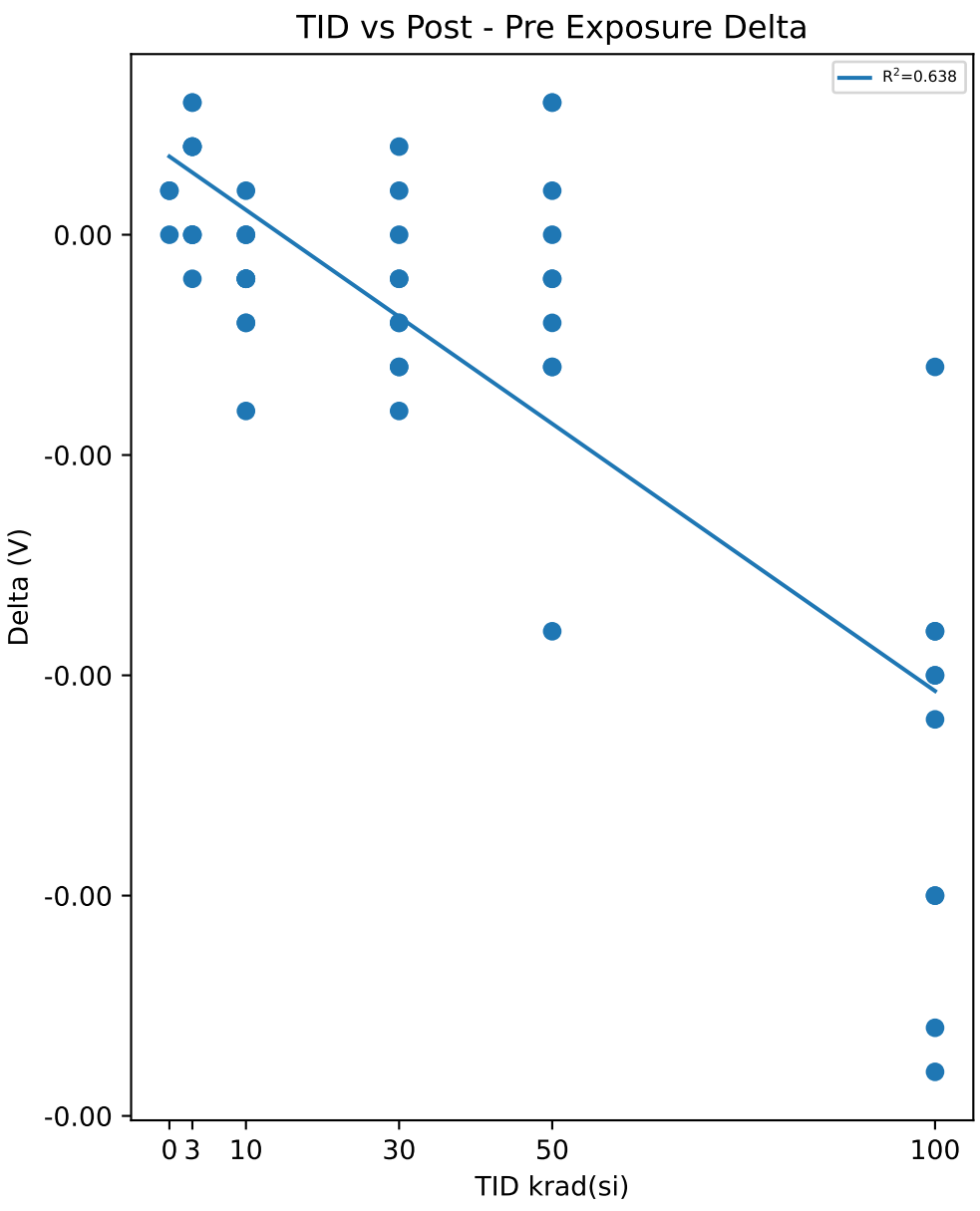
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
390	100	Biased	2.7041	2.6906	-0.0135
392	100	Biased	2.6707	2.6646	-0.0061
393	100	Biased	2.5814	2.5581	-0.0233
394	100	Biased	2.6895	2.6723	-0.0172
395	100	Biased	2.5956	2.5905	-0.0051
412	100	Unbiased	2.5912	2.5808	-0.0104
413	100	Unbiased	2.5967	2.5667	-0.03
414	100	Unbiased	2.5742	2.5822	0.008
415	100	Unbiased	2.6052	2.5895	-0.0157
416	100	Unbiased	2.5865	2.5654	-0.0211
417	50	Biased	2.607	2.6046	-0.0024
418	50	Biased	2.5834	2.5783	-0.0051
419	50	Biased	2.6037	2.61	0.0063
421	50	Biased	2.6547	2.6585	0.0038
422	50	Biased	2.6038	2.5947	-0.0091
423	50	Unbiased	2.6395	2.6379	-0.0016
424	50	Unbiased	2.5994	2.5993	-0.0001
425	50	Unbiased	2.5811	2.5866	0.0055
426	50	Unbiased	2.6765	2.6635	-0.013
427	50	Unbiased	2.714	2.7126	-0.0014
463	0	Corr	2.5872	2.5904	0.0032
464	0	Corr	2.5721	2.5751	0.003
465	0	Corr	2.5919	2.5951	0.0032
466	30	Biased	2.5879	2.5855	-0.0024
469	30	Biased	2.7389	2.7403	0.0014
470	30	Biased	2.5913	2.5965	0.0052
472	30	Biased	2.6525	2.6443	-0.0082
474	30	Biased	2.5547	2.5526	-0.0021
475	30	Unbiased	2.6404	2.6406	0.0002
477	30	Unbiased	2.6085	2.6119	0.0034
478	30	Unbiased	2.6696	2.6714	0.0018
479	30	Unbiased	2.6522	2.6483	-0.0039
480	30	Unbiased	2.6316	2.6328	0.0012
481	10	Biased	2.4816	2.4843	0.0027
482	10	Biased	2.6095	2.6102	0.0007
483	10	Biased	2.616	2.6209	0.0049
484	10	Biased	2.5949	2.5926	-0.0023
485	10	Biased	2.615	2.6156	0.0006
487	10	Unbiased	2.6841	2.6854	0.0013
488	10	Unbiased	2.5972	2.5995	0.0023
489	10	Unbiased	2.6203	2.6271	0.0068
490	10	Unbiased	2.5738	2.5729	-0.0009
491	10	Unbiased	2.5395	2.5446	0.0051
492	3	Biased	2.6481	2.6476	-0.0005
493	3	Biased	2.5905	2.5947	0.0042
494	3	Biased	2.6783	2.6787	0.0004
495	3	Biased	2.6371	2.6389	0.0018
496	3	Biased	2.7104	2.7138	0.0034
497	3	Unbiased	2.5808	2.5821	0.0013
498	3	Unbiased	2.6162	2.6155	-0.0007
499	3	Unbiased	2.6059	2.6078	0.0019
500	3	Unbiased	2.6676	2.6681	0.0005
502	3	Unbiased	2.5969	2.5954	-0.0015

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	2.5721	2.5837	2.5919	0.010345	2.5751	2.5869	2.5951	0.010458	0.003	0.0031333	0.0032	0.00011547
3	2.5808	2.6332	2.7104	0.042603	2.5821	2.6343	2.7138	0.04281	-0.0015	0.00108	0.0042	0.0018097
10	2.4816	2.5932	2.6841	0.05374	2.4843	2.5953	2.6854	0.05358	-0.0023	0.00212	0.0068	0.0028389
30	2.5547	2.6328	2.7389	0.051493	2.5526	2.6324	2.7403	0.051534	-0.0082	-0.00034	0.0052	0.0038979
50	2.5811	2.6263	2.714	0.043702	2.5783	2.6246	2.7126	0.042581	-0.013	-0.00171	0.0063	0.0061757
100	2.5742	2.6195	2.7041	0.048726	2.5581	2.6061	2.6906	0.049652	-0.03	-0.01344	0.008	0.010759

Device Test: 12.15 VBANDGAP(LEVEL|STATIC/REFCAP/12////@VBANDGAP)





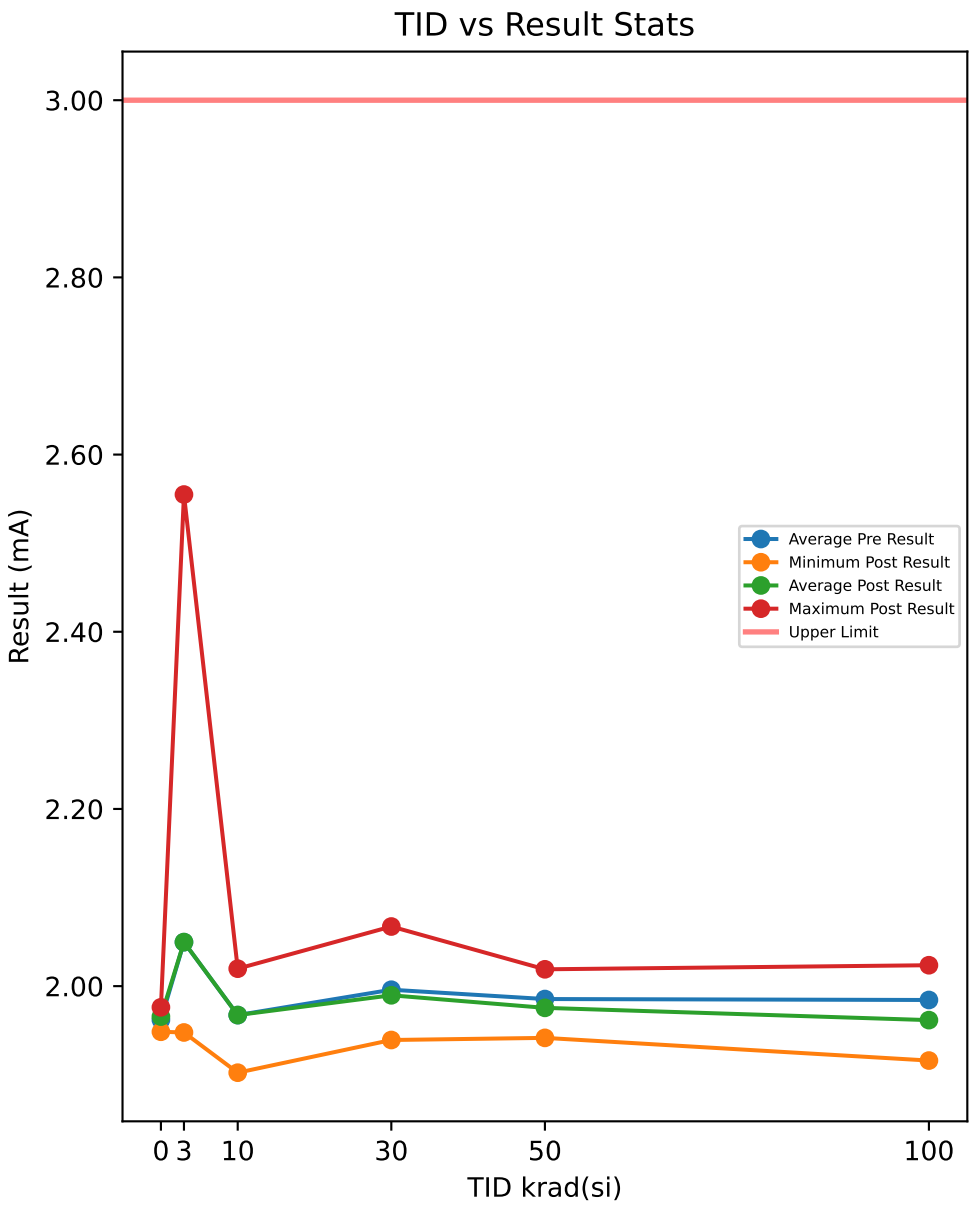
Test Results (Lower Limit = 1.184, Upper Limit = 1.222 (V))

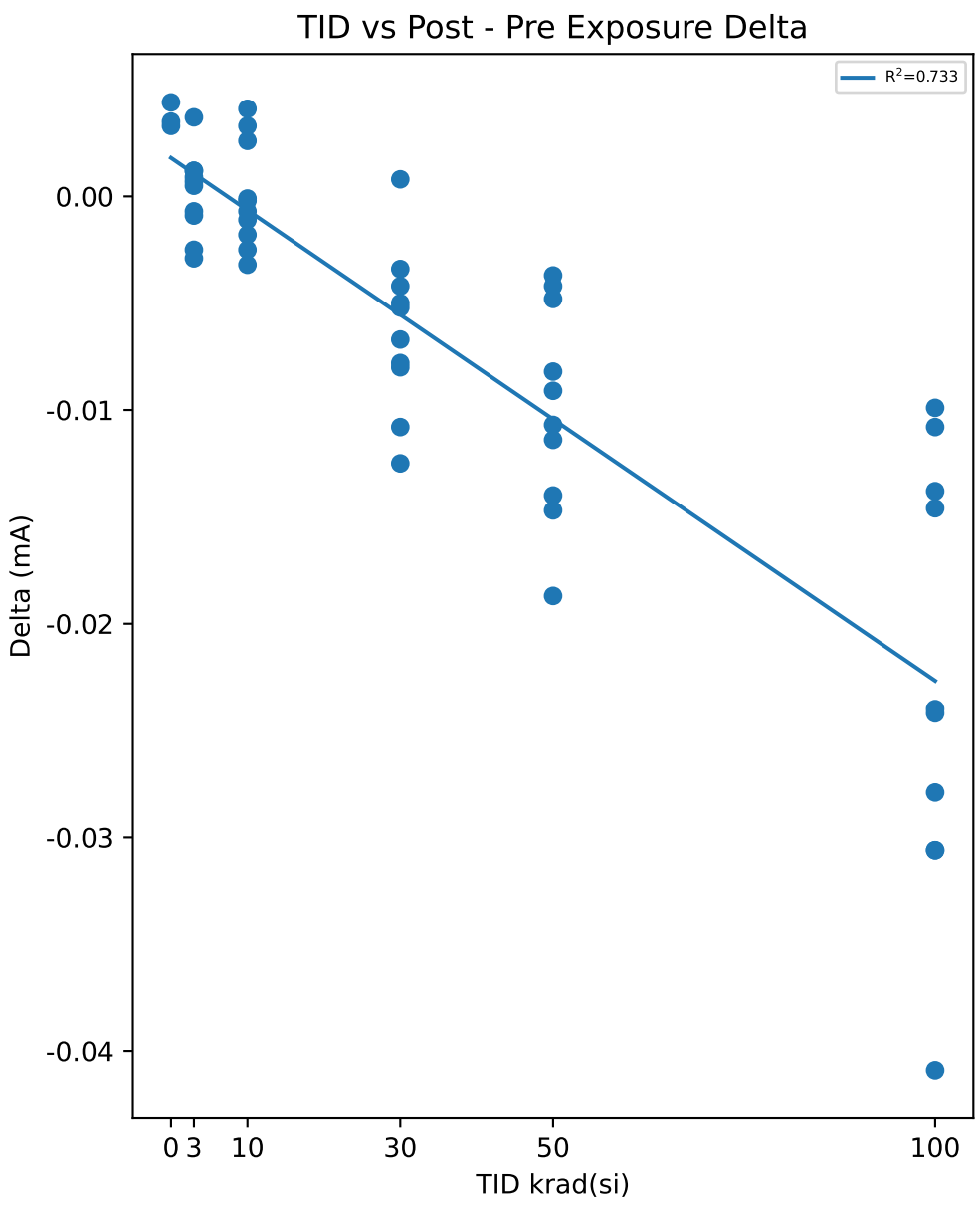
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
390	100	Biased	1.2059	1.2044	-0.0015
392	100	Biased	1.2028	1.2018	-0.001
393	100	Biased	1.2058	1.2055	-0.0003
394	100	Biased	1.2077	1.2066	-0.0011
395	100	Biased	1.2069	1.205	-0.0019
412	100	Unbiased	1.2076	1.2061	-0.0015
413	100	Unbiased	1.2025	1.2007	-0.0018
414	100	Unbiased	1.2035	1.2026	-0.0009
415	100	Unbiased	1.2076	1.2067	-0.0009
416	100	Unbiased	1.2087	1.2077	-0.001
417	50	Biased	1.2062	1.2059	-0.0003
418	50	Biased	1.2049	1.205	0.0001
419	50	Biased	1.2059	1.205	-0.0009
421	50	Biased	1.2038	1.2038	0
422	50	Biased	1.2068	1.2071	0.0003
423	50	Unbiased	1.2101	1.21	-0.0001
424	50	Unbiased	1.2046	1.2045	-0.0001
425	50	Unbiased	1.2068	1.2071	0.0003
426	50	Unbiased	1.206	1.2058	-0.0002
427	50	Unbiased	1.2045	1.2042	-0.0003
463	0	Corr	1.2074	1.2074	0
464	0	Corr	1.2053	1.2054	0.0001
465	0	Corr	1.2075	1.2076	0.0001
466	30	Biased	1.2073	1.2072	-0.0001
469	30	Biased	1.2061	1.2058	-0.0003
470	30	Biased	1.2038	1.2038	0
472	30	Biased	1.2014	1.2015	0.0001
474	30	Biased	1.2045	1.2043	-0.0002
475	30	Unbiased	1.2058	1.2056	-0.0002
477	30	Unbiased	1.2065	1.2062	-0.0003
478	30	Unbiased	1.2047	1.2046	-0.0001
479	30	Unbiased	1.2044	1.204	-0.0004
480	30	Unbiased	1.2049	1.2051	0.0002
481	10	Biased	1.2008	1.2009	0.0001
482	10	Biased	1.2071	1.2071	0
483	10	Biased	1.2014	1.2013	-0.0001
484	10	Biased	1.2021	1.202	-0.0001
485	10	Biased	1.2045	1.2043	-0.0002
487	10	Unbiased	1.2028	1.2027	-0.0001
488	10	Unbiased	1.2059	1.2058	-0.0001
489	10	Unbiased	1.2077	1.2073	-0.0004
490	10	Unbiased	1.2066	1.2064	-0.0002
491	10	Unbiased	1.2066	1.2066	0
492	3	Biased	1.2035	1.2035	0
493	3	Biased	1.2037	1.2039	0.0002
494	3	Biased	1.2071	1.2073	0.0002
495	3	Biased	1.207	1.2073	0.0003
496	3	Biased	1.2073	1.2073	0
497	3	Unbiased	1.2035	1.2035	0
498	3	Unbiased	1.2025	1.2024	-0.0001
499	3	Unbiased	1.2096	1.2099	0.0003
500	3	Unbiased	1.2069	1.2071	0.0002
502	3	Unbiased	1.206	1.2062	0.0002

Test Statistics (V)

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	1.2053	1.2067	1.2075	0.0012423	1.2054	1.2068	1.2076	0.0012166	0	6.6667e-05	0.0001	5.7735e-05
3	1.2025	1.2057	1.2096	0.002282	1.2024	1.2058	1.2099	0.0023838	-0.0001	0.00013	0.0003	0.00014181
10	1.2008	1.2046	1.2077	0.0025756	1.2009	1.2044	1.2073	0.0025167	-0.0004	-0.00011	0.0001	0.00013703
30	1.2014	1.2049	1.2073	0.0016487	1.2015	1.2048	1.2072	0.001573	-0.0004	-0.00013	0.0002	0.00018886
50	1.2038	1.206	1.2101	0.0017759	1.2038	1.2058	1.21	0.0018422	-0.0009	-0.00012	0.0003	0.00034897
100	1.2025	1.2059	1.2087	0.0022311	1.2007	1.2047	1.2077	0.0023144	-0.0019	-0.00119	-0.0003	0.00048408

Device Test: 12.16 VIN_SHDN_CURR_14V(IDD|STATIC/VIN/14////@VIN_SHDN_CURR_14V)





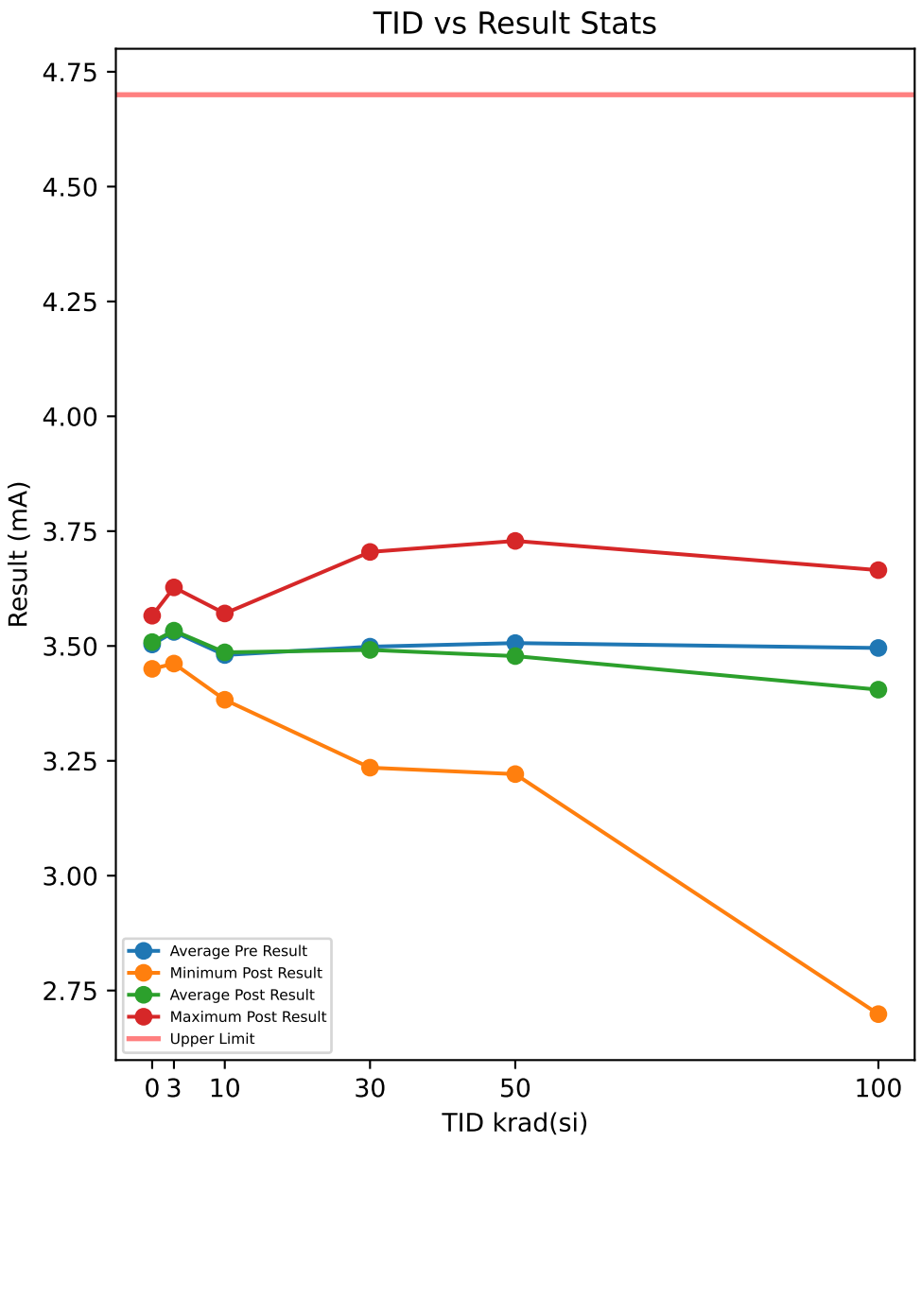
Test Results (Upper Limit = 3.0 (mA))

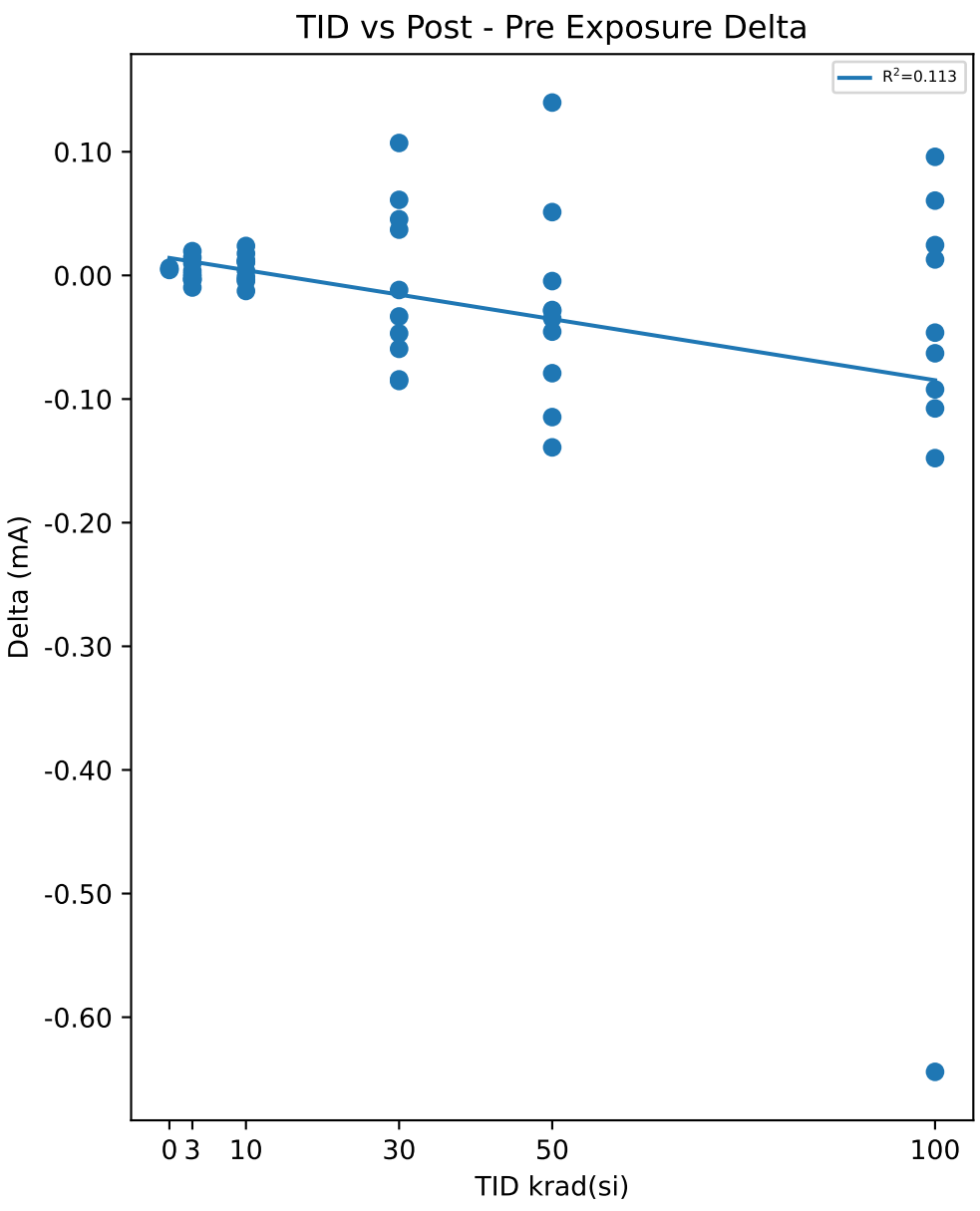
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
390	100	Biased	2.0359	2.0213	-0.0146
392	100	Biased	2.0344	2.0236	-0.0108
393	100	Biased	1.9525	1.9285	-0.024
394	100	Biased	2.0342	2.0063	-0.0279
395	100	Biased	1.9646	1.9547	-0.0099
412	100	Unbiased	1.9693	1.9451	-0.0242
413	100	Unbiased	1.9636	1.9227	-0.0409
414	100	Unbiased	1.9596	1.9458	-0.0138
415	100	Unbiased	1.983	1.9524	-0.0306
416	100	Unbiased	1.9466	1.916	-0.0306
417	50	Biased	1.9666	1.9584	-0.0082
418	50	Biased	1.9754	1.964	-0.0114
419	50	Biased	1.9753	1.9716	-0.0037
421	50	Biased	1.9923	1.9875	-0.0048
422	50	Biased	1.9849	1.9709	-0.014
423	50	Unbiased	2.0047	1.99	-0.0147
424	50	Unbiased	1.9523	1.9416	-0.0107
425	50	Unbiased	1.9596	1.9554	-0.0042
426	50	Unbiased	2.0152	1.9965	-0.0187
427	50	Unbiased	2.0281	2.019	-0.0091
463	0	Corr	1.9441	1.9485	0.0044
464	0	Corr	1.969	1.9723	0.0033
465	0	Corr	1.9726	1.9761	0.0035
466	30	Biased	1.9781	1.9701	-0.008
469	30	Biased	2.0707	2.0673	-0.0034
470	30	Biased	1.9772	1.978	0.0008
472	30	Biased	2.0118	1.9993	-0.0125
474	30	Biased	1.9442	1.9392	-0.005
475	30	Unbiased	1.9814	1.9736	-0.0078
477	30	Unbiased	1.9917	1.985	-0.0067
478	30	Unbiased	2.0125	2.0083	-0.0042
479	30	Unbiased	1.9973	1.9865	-0.0108
480	30	Unbiased	1.9945	1.9893	-0.0052
481	10	Biased	1.9024	1.9023	-0.0001
482	10	Biased	1.9619	1.9617	-0.0002
483	10	Biased	1.9839	1.988	0.0041
484	10	Biased	1.9747	1.9736	-0.0011
485	10	Biased	1.9778	1.9771	-0.0007
487	10	Unbiased	2.0222	2.0197	-0.0025
488	10	Unbiased	1.9632	1.9614	-0.0018
489	10	Unbiased	1.9828	1.9861	0.0033
490	10	Unbiased	1.9683	1.9651	-0.0032
491	10	Unbiased	1.9359	1.9385	0.0026
492	3	Biased	1.9971	1.998	0.0009
493	3	Biased	1.9694	1.9731	0.0037
494	3	Biased	2.0166	2.0178	0.0012
495	3	Biased	1.9901	1.9906	0.0005
496	3	Biased	2.0466	2.0478	0.0012
497	3	Unbiased	2.5578	2.5549	-0.0029
498	3	Unbiased	1.9796	1.9789	-0.0007
499	3	Unbiased	1.9738	1.9729	-0.0009
500	3	Unbiased	2.0148	2.0155	0.0007
502	3	Unbiased	1.9502	1.9477	-0.0025

Test Statistics (mA)

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	1.9441	1.9619	1.9726	0.01552	1.9485	1.9656	1.9761	0.014959	0.0033	0.0037333	0.0044	0.00058595
3	1.9502	2.0496	2.5578	0.18069	1.9477	2.0497	2.5549	0.17974	-0.0029	0.00012	0.0037	0.0019418
10	1.9024	1.9673	2.0222	0.031517	1.9023	1.9674	2.0197	0.03125	-0.0032	4e-05	0.0041	0.0024927
30	1.9442	1.9959	2.0707	0.03282	1.9392	1.9897	2.0673	0.033037	-0.0125	-0.00628	0.0008	0.0038023
50	1.9523	1.9854	2.0281	0.024604	1.9416	1.9755	2.019	0.022856	-0.0187	-0.00995	-0.0037	0.0049512
100	1.9466	1.9844	2.0359	0.03613	1.916	1.9616	2.0236	0.040481	-0.0409	-0.02273	-0.0099	0.010205

Device Test: 12.17 PVIN_SHDN_CURR_14V(IDD|STATIC/PVIN/14////@PVIN_SHDN_CURR_14V)





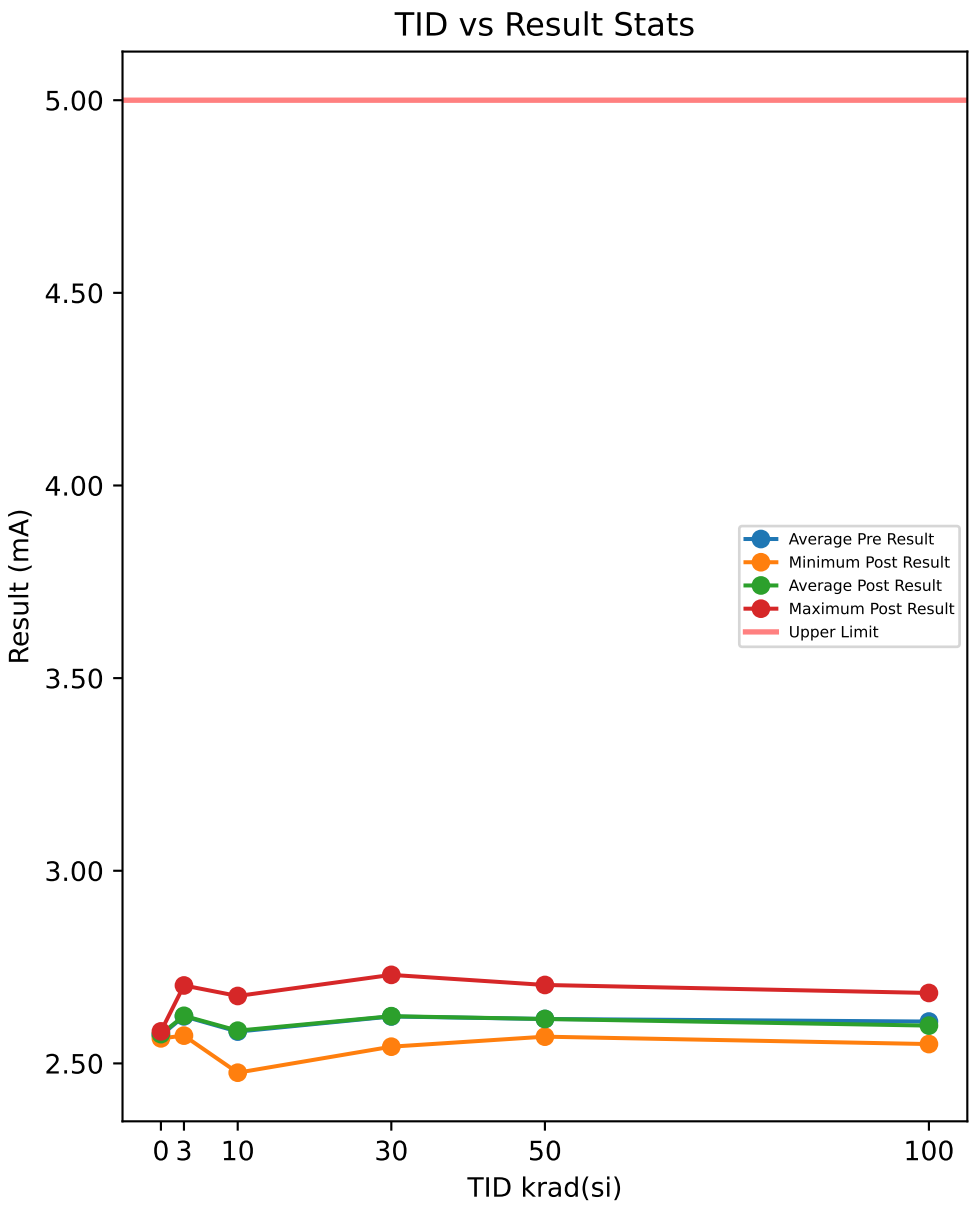
Test Results (Upper Limit = 4.7 (mA))

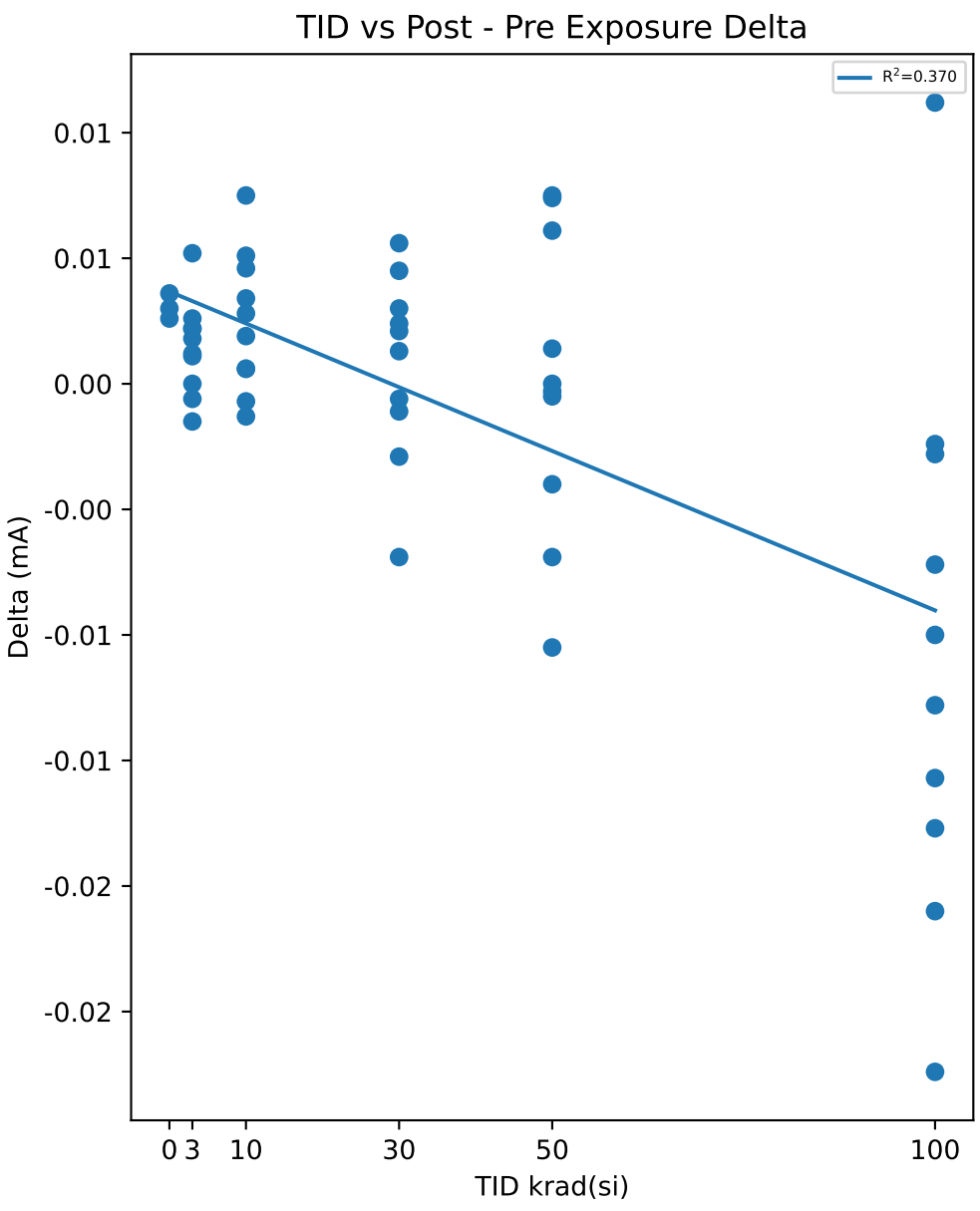
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
390	100	Biased	3.5821	3.4745	-0.1076
392	100	Biased	3.5582	3.4952	-0.063
393	100	Biased	3.4594	3.5199	0.0605
394	100	Biased	3.5258	3.378	-0.1478
395	100	Biased	3.5692	3.6651	0.0959
412	100	Unbiased	3.526	3.5389	0.0129
413	100	Unbiased	3.459	3.4835	0.0245
414	100	Unbiased	3.5172	3.425	-0.0922
415	100	Unbiased	3.3428	2.6986	-0.6442
416	100	Unbiased	3.4166	3.3703	-0.0463
417	50	Biased	3.4883	3.4092	-0.0791
418	50	Biased	3.5242	3.4955	-0.0287
419	50	Biased	3.5267	3.5779	0.0512
421	50	Biased	3.5384	3.5338	-0.0046
422	50	Biased	3.5539	3.5084	-0.0455
423	50	Unbiased	3.5632	3.5284	-0.0348
424	50	Unbiased	3.4149	3.3869	-0.028
425	50	Unbiased	3.5889	3.7287	0.1398
426	50	Unbiased	3.5046	3.39	-0.1146
427	50	Unbiased	3.3602	3.2211	-0.1391
463	0	Corr	3.5031	3.5093	0.0062
464	0	Corr	3.4458	3.4502	0.0044
465	0	Corr	3.561	3.5659	0.0049
466	30	Biased	3.4586	3.4117	-0.0469
469	30	Biased	3.5153	3.5523	0.037
470	30	Biased	3.5976	3.7047	0.1071
472	30	Biased	3.5712	3.6166	0.0454
474	30	Biased	3.573	3.6341	0.0611
475	30	Unbiased	3.3192	3.2351	-0.0841
477	30	Unbiased	3.459	3.3736	-0.0854
478	30	Unbiased	3.496	3.4366	-0.0594
479	30	Unbiased	3.5118	3.5	-0.0118
480	30	Unbiased	3.4828	3.4496	-0.0332
481	10	Biased	3.453	3.4568	0.0038
482	10	Biased	3.4316	3.4271	-0.0045
483	10	Biased	3.5492	3.5616	0.0124
484	10	Biased	3.4259	3.4497	0.0238
485	10	Biased	3.4389	3.4499	0.011
487	10	Unbiased	3.5741	3.5708	-0.0033
488	10	Unbiased	3.4901	3.489	-0.0011
489	10	Unbiased	3.4958	3.5066	0.0108
490	10	Unbiased	3.5492	3.5669	0.0177
491	10	Unbiased	3.3955	3.3829	-0.0126
492	3	Biased	3.4899	3.4997	0.0098
493	3	Biased	3.4589	3.4626	0.0037
494	3	Biased	3.5327	3.5316	-0.0011
495	3	Biased	3.6037	3.6182	0.0145
496	3	Biased	3.5177	3.514	-0.0037
497	3	Unbiased	3.5555	3.5457	-0.0098
498	3	Unbiased	3.6079	3.6275	0.0196
499	3	Unbiased	3.5234	3.5242	0.0008
500	3	Unbiased	3.5513	3.548	-0.0033
502	3	Unbiased	3.4648	3.4617	-0.0031

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	3.4458	3.5033	3.561	0.0576	3.4502	3.5085	3.5659	0.057855	0.0044	0.0051667	0.0062	0.00092916
3	3.4589	3.5306	3.6079	0.051334	3.4617	3.5333	3.6275	0.05594	-0.0098	0.00274	0.0196	0.0091963
10	3.3955	3.4803	3.5741	0.061111	3.3829	3.4861	3.5708	0.064512	-0.0126	0.0058	0.0238	0.011256
30	3.3192	3.4984	3.5976	0.079351	3.2351	3.4914	3.7047	0.13984	-0.0854	-0.00702	0.1071	0.066229
50	3.3602	3.5063	3.5889	0.070015	3.2211	3.478	3.7287	0.13601	-0.1391	-0.02834	0.1398	0.080127
100	3.3428	3.4956	3.5821	0.075542	2.6986	3.4049	3.6651	0.26231	-0.6442	-0.09073	0.0959	0.20932

Device Test: 12.18 IQ_VIN(IQ|STATIC/VIN/14////@IQ_VIN)





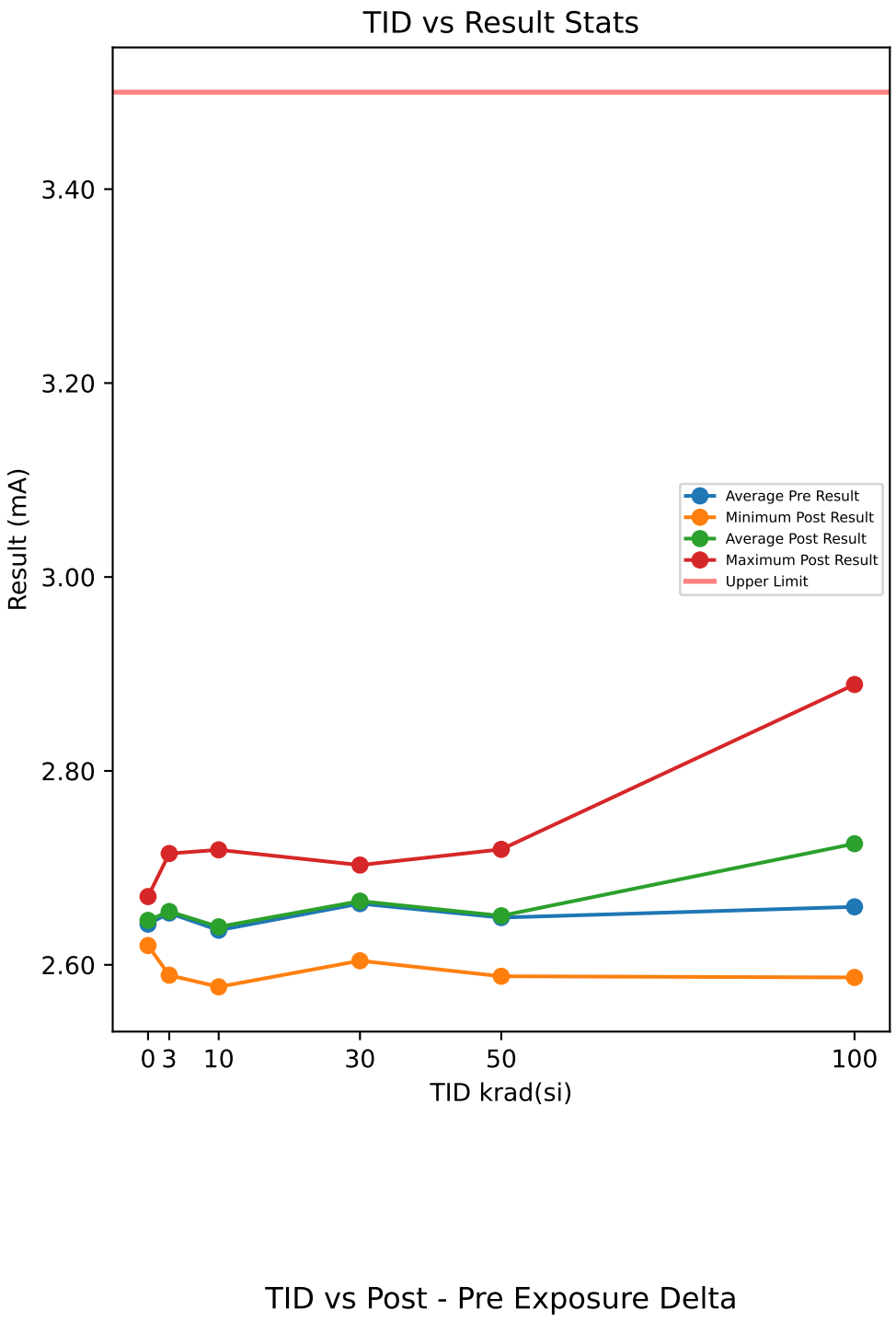
Test Results (Upper Limit = 5.0 (mA))

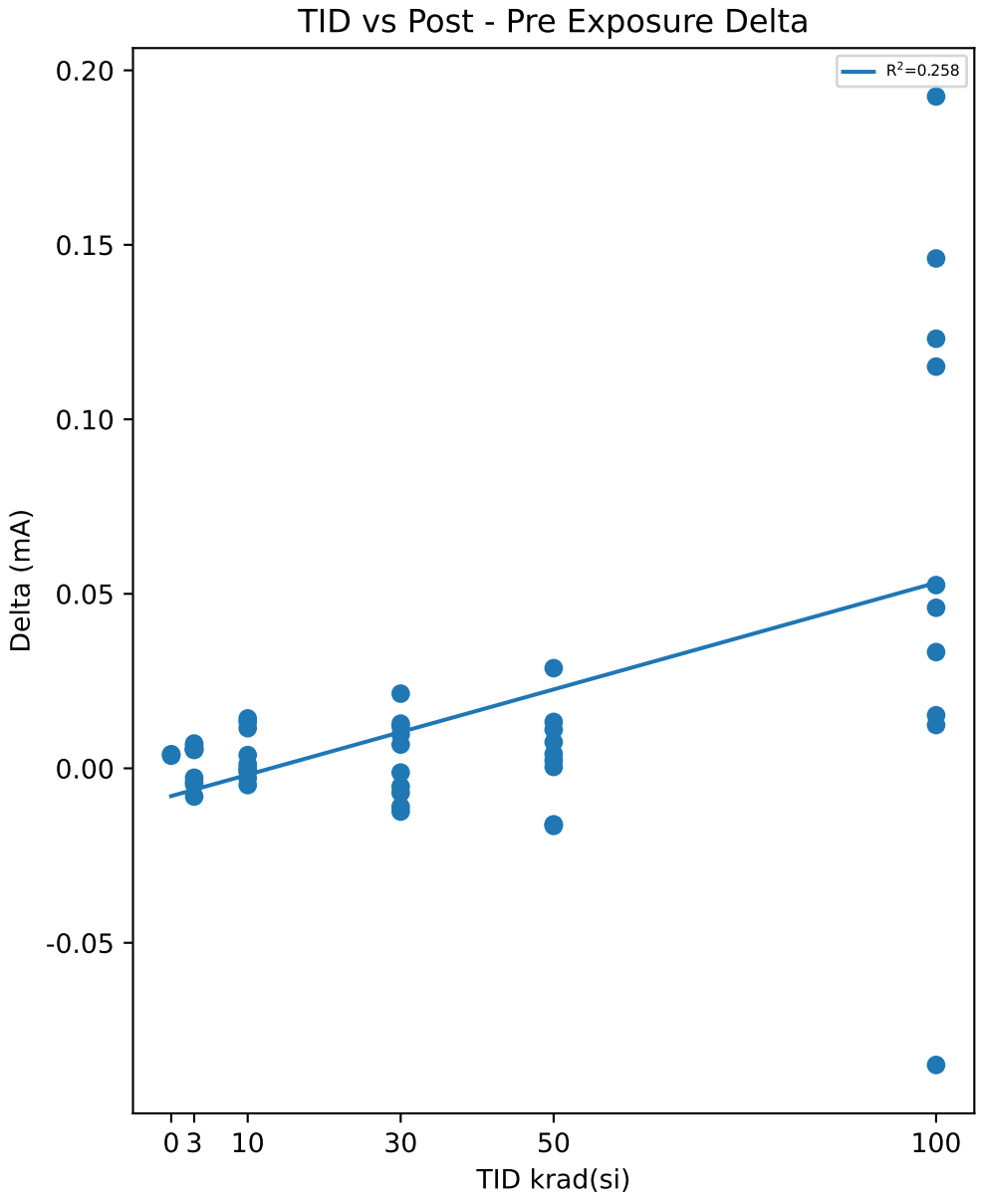
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
390	100	Biased	2.6928	2.6828	-0.01
392	100	Biased	2.6598	2.6574	-0.0024
393	100	Biased	2.5712	2.5502	-0.021
394	100	Biased	2.6794	2.6637	-0.0157
395	100	Biased	2.5862	2.5834	-0.0028
412	100	Unbiased	2.5795	2.5723	-0.0072
413	100	Unbiased	2.5864	2.559	-0.0274
414	100	Unbiased	2.563	2.5742	0.0112
415	100	Unbiased	2.5921	2.5793	-0.0128
416	100	Unbiased	2.5764	2.5587	-0.0177
417	50	Biased	2.5965	2.5962	-0.0003
418	50	Biased	2.5734	2.5694	-0.004
419	50	Biased	2.5923	2.5997	0.0074
421	50	Biased	2.6434	2.6495	0.0061
422	50	Biased	2.5925	2.5856	-0.0069
423	50	Unbiased	2.6289	2.6284	-0.0005
424	50	Unbiased	2.588	2.5894	0.0014
425	50	Unbiased	2.5697	2.5772	0.0075
426	50	Unbiased	2.6645	2.654	-0.0105
427	50	Unbiased	2.7036	2.7036	0
463	0	Corr	2.5762	2.5798	0.0036
464	0	Corr	2.562	2.565	0.003
465	0	Corr	2.5805	2.5831	0.0026
466	30	Biased	2.5768	2.5762	-0.0006
469	30	Biased	2.7274	2.7298	0.0024
470	30	Biased	2.5805	2.5861	0.0056
472	30	Biased	2.6407	2.6338	-0.0069
474	30	Biased	2.5445	2.5434	-0.0011
475	30	Unbiased	2.628	2.6293	0.0013
477	30	Unbiased	2.5977	2.6022	0.0045
478	30	Unbiased	2.6587	2.6617	0.003
479	30	Unbiased	2.6428	2.6399	-0.0029
480	30	Unbiased	2.6213	2.6234	0.0021
481	10	Biased	2.4725	2.4759	0.0034
482	10	Biased	2.5982	2.5988	0.0006
483	10	Biased	2.606	2.6111	0.0051
484	10	Biased	2.5843	2.583	-0.0013
485	10	Biased	2.6048	2.6054	0.0006
487	10	Unbiased	2.6731	2.675	0.0019
488	10	Unbiased	2.585	2.5878	0.0028
489	10	Unbiased	2.6107	2.6182	0.0075
490	10	Unbiased	2.5623	2.5616	-0.0007
491	10	Unbiased	2.5284	2.533	0.0046
492	3	Biased	2.637	2.637	0
493	3	Biased	2.5791	2.5843	0.0052
494	3	Biased	2.6676	2.6688	0.0012
495	3	Biased	2.6264	2.6286	0.0022
496	3	Biased	2.6997	2.7023	0.0026
497	3	Unbiased	2.571	2.5721	0.0011
498	3	Unbiased	2.6037	2.6031	-0.0006
499	3	Unbiased	2.5947	2.5969	0.0022
500	3	Unbiased	2.6554	2.6572	0.0018
502	3	Unbiased	2.5864	2.5849	-0.0015

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	2.562	2.5729	2.5805	0.0096814	2.565	2.576	2.5831	0.0096397	0.0026	0.0030667	0.0036	0.00050332
3	2.571	2.6221	2.6997	0.042512	2.5721	2.6235	2.7023	0.042685	-0.0015	0.00142	0.0052	0.0018802
10	2.4725	2.5825	2.6731	0.053483	2.4759	2.585	2.675	0.053392	-0.0013	0.00245	0.0075	0.002775
30	2.5445	2.6218	2.7274	0.051247	2.5434	2.6226	2.7298	0.051278	-0.0069	0.00074	0.0056	0.0037206
50	2.5697	2.6153	2.7036	0.043684	2.5694	2.6153	2.7036	0.042629	-0.0105	2e-05	0.0075	0.0060035
100	2.563	2.6087	2.6928	0.048708	2.5502	2.5981	2.6828	0.049639	-0.0274	-0.01058	0.0112	0.010989

Device Test: 12.2 PVIN_SHDN_CURR_4V(IDD|STATIC/PVIN/4.5////@PVIN_SHDN_CURR_4V)





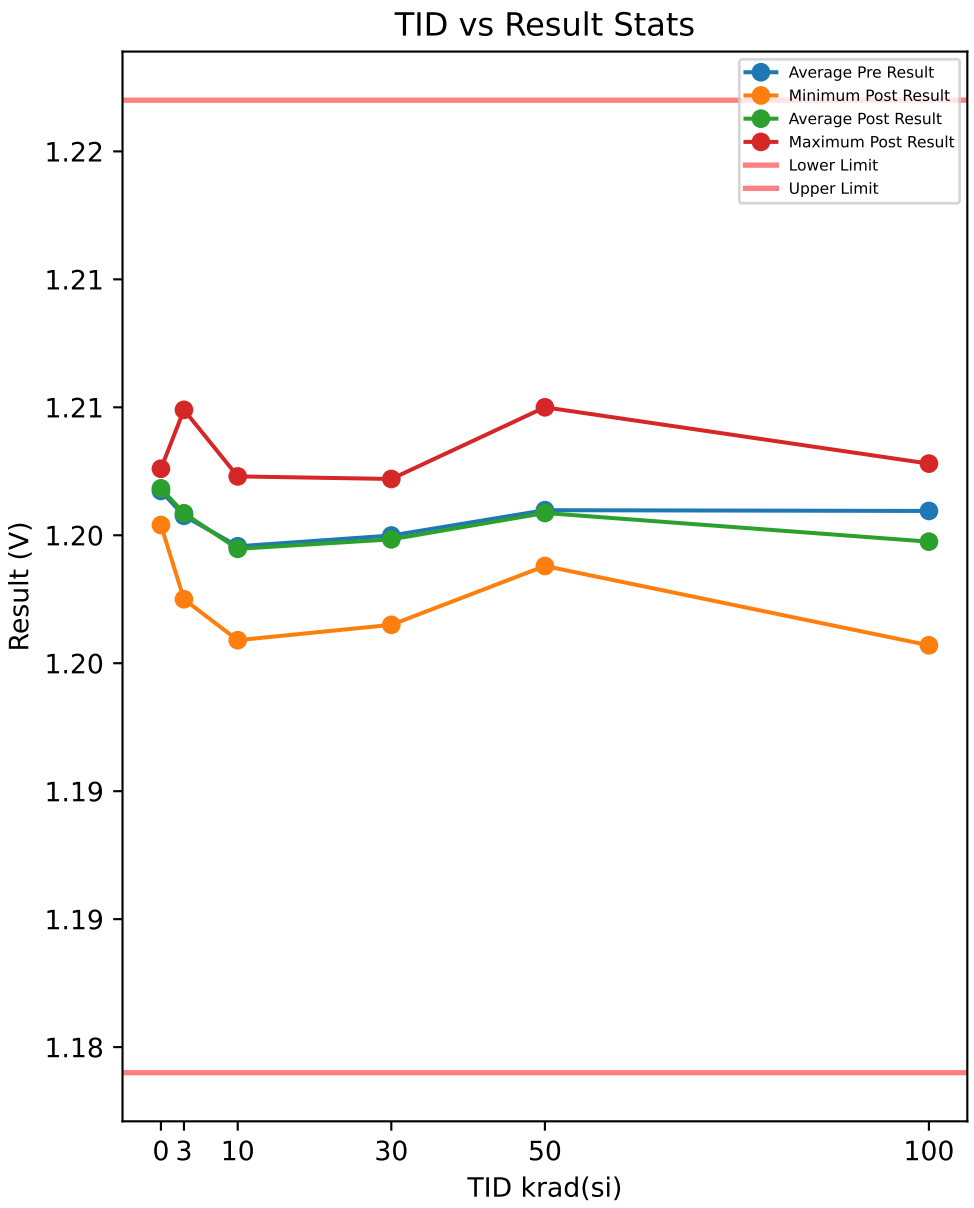
Test Results (Upper Limit = 3.5 (mA))

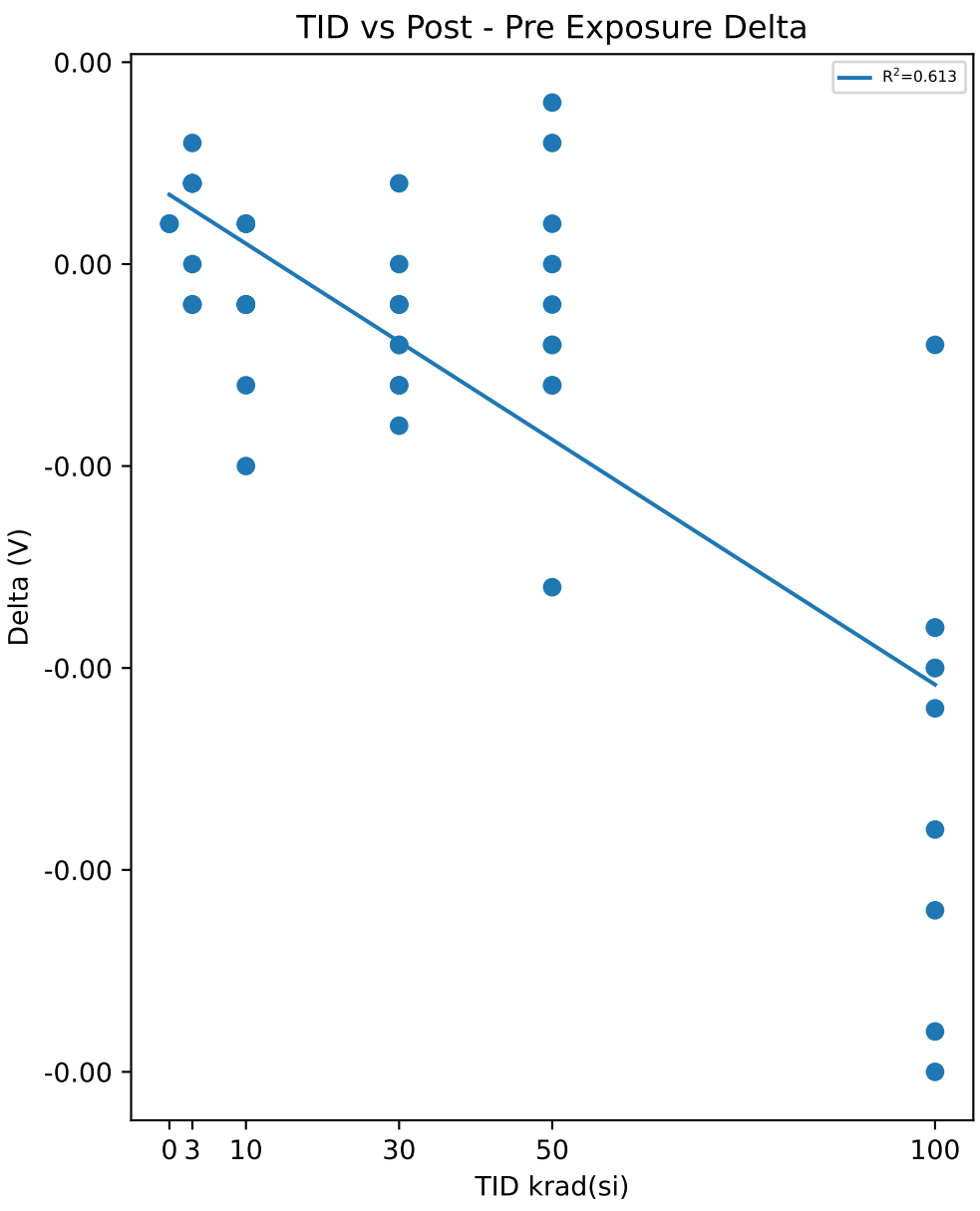
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
390	100	Biased	2.743	2.8891	0.1461
392	100	Biased	2.6999	2.823	0.1231
393	100	Biased	2.615	2.8075	0.1925
394	100	Biased	2.6597	2.7748	0.1151
395	100	Biased	2.6754	2.7214	0.046
412	100	Unbiased	2.6349	2.6501	0.0152
413	100	Unbiased	2.6204	2.6537	0.0333
414	100	Unbiased	2.6847	2.7372	0.0525
415	100	Unbiased	2.672	2.587	-0.085
416	100	Unbiased	2.593	2.6054	0.0124
417	50	Biased	2.6756	2.6831	0.0075
418	50	Biased	2.6354	2.6377	0.0023
419	50	Biased	2.6825	2.6664	-0.0161
421	50	Biased	2.6631	2.6466	-0.0165
422	50	Biased	2.6953	2.6957	0.0004
423	50	Unbiased	2.664	2.6479	-0.0161
424	50	Unbiased	2.5825	2.5936	0.0111
425	50	Unbiased	2.6904	2.7191	0.0287
426	50	Unbiased	2.6236	2.6277	0.0041
427	50	Unbiased	2.5749	2.5882	0.0133
463	0	Corr	2.6432	2.6472	0.004
464	0	Corr	2.6163	2.6199	0.0036
465	0	Corr	2.6664	2.6704	0.004
466	30	Biased	2.6496	2.6593	0.0097
469	30	Biased	2.6526	2.6474	-0.0052
470	30	Biased	2.6735	2.6803	0.0068
472	30	Biased	2.6756	2.6632	-0.0124
474	30	Biased	2.6801	2.6929	0.0128
475	30	Unbiased	2.6152	2.6042	-0.011
477	30	Unbiased	2.6666	2.6786	0.012
478	30	Unbiased	2.6815	2.7029	0.0214
479	30	Unbiased	2.6639	2.6569	-0.007
480	30	Unbiased	2.6726	2.6714	-0.0012
481	10	Biased	2.6438	2.6431	-0.0007
482	10	Biased	2.5854	2.5866	0.0012
483	10	Biased	2.603	2.6021	-0.0009
484	10	Biased	2.5679	2.5822	0.0143
485	10	Biased	2.6457	2.6572	0.0115
487	10	Unbiased	2.6953	2.6955	0.0002
488	10	Unbiased	2.6672	2.6644	-0.0028
489	10	Unbiased	2.6518	2.6651	0.0133
490	10	Unbiased	2.7148	2.7186	0.0038
491	10	Unbiased	2.5821	2.5773	-0.0048
492	3	Biased	2.6232	2.6288	0.0056
493	3	Biased	2.6251	2.6316	0.0065
494	3	Biased	2.6949	2.7002	0.0053
495	3	Biased	2.6025	2.6078	0.0053
496	3	Biased	2.685	2.681	-0.004
497	3	Unbiased	2.7194	2.7148	-0.0046
498	3	Unbiased	2.6486	2.654	0.0054
499	3	Unbiased	2.6492	2.6563	0.0071
500	3	Unbiased	2.6891	2.6864	-0.0027
502	3	Unbiased	2.5974	2.5893	-0.0081

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	2.6163	2.642	2.6664	0.025073	2.6199	2.6458	2.6704	0.025278	0.0036	0.0038667	0.004	0.00023094
3	2.5974	2.6534	2.7194	0.041941	2.5893	2.655	2.7148	0.040909	-0.0081	0.00158	0.0071	0.0057199
10	2.5679	2.6357	2.7148	0.049772	2.5773	2.6392	2.7186	0.049825	-0.0048	0.00351	0.0143	0.0069804
30	2.6152	2.6631	2.6815	0.01995	2.6042	2.6657	2.7029	0.027442	-0.0124	0.00259	0.0214	0.011505
50	2.5749	2.6487	2.6953	0.043274	2.5882	2.6506	2.7191	0.042017	-0.0165	0.00187	0.0287	0.01475
100	2.593	2.6598	2.743	0.04495	2.587	2.7249	2.8891	0.10001	-0.085	0.06512	0.1925	0.080269

Device Test: 12.20 VBANDGAP(LEVEL|STATIC/REFCAP/14////@VBANDGAP)





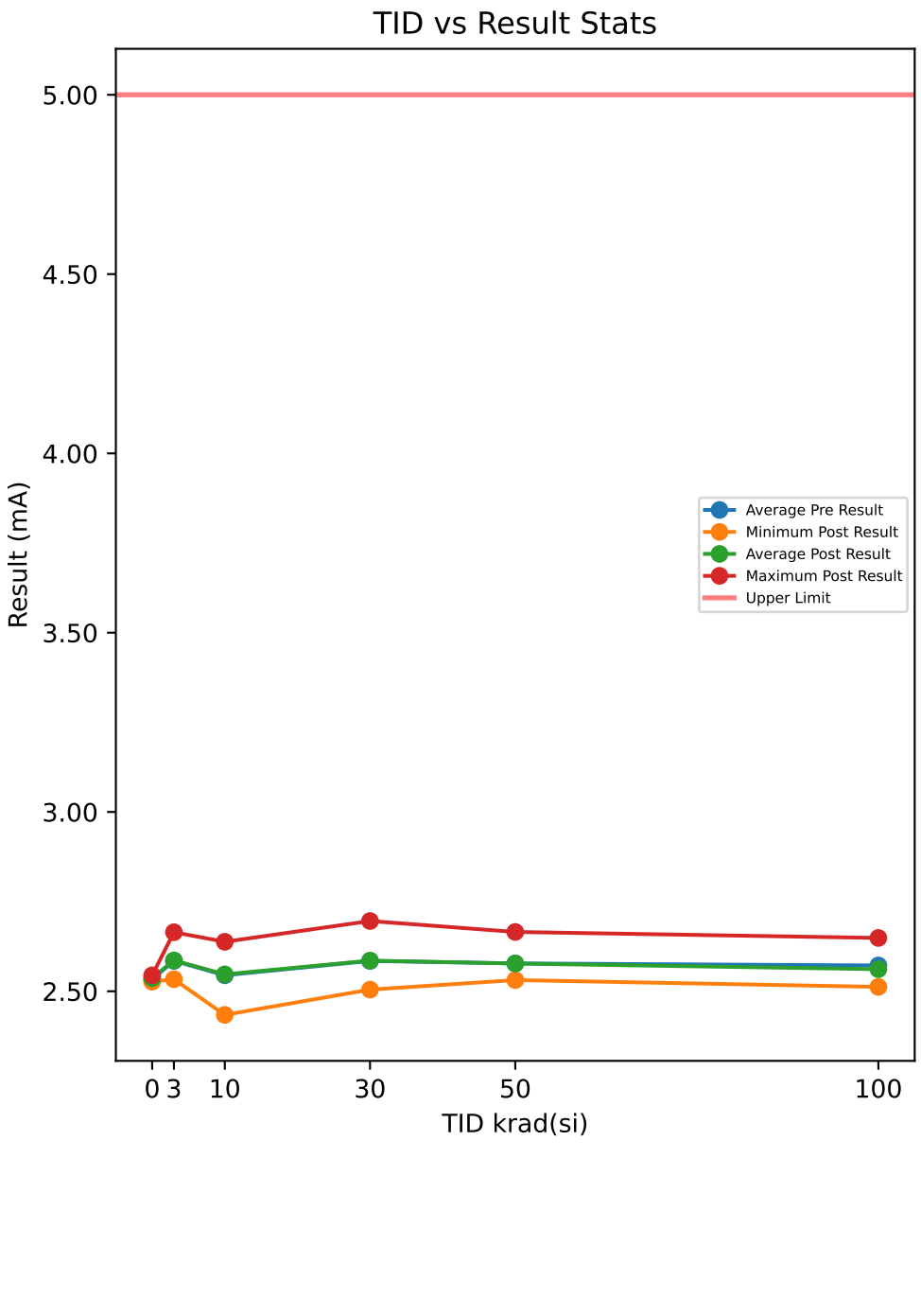
Test Results (Lower Limit = 1.184, Upper Limit = 1.222 (V))

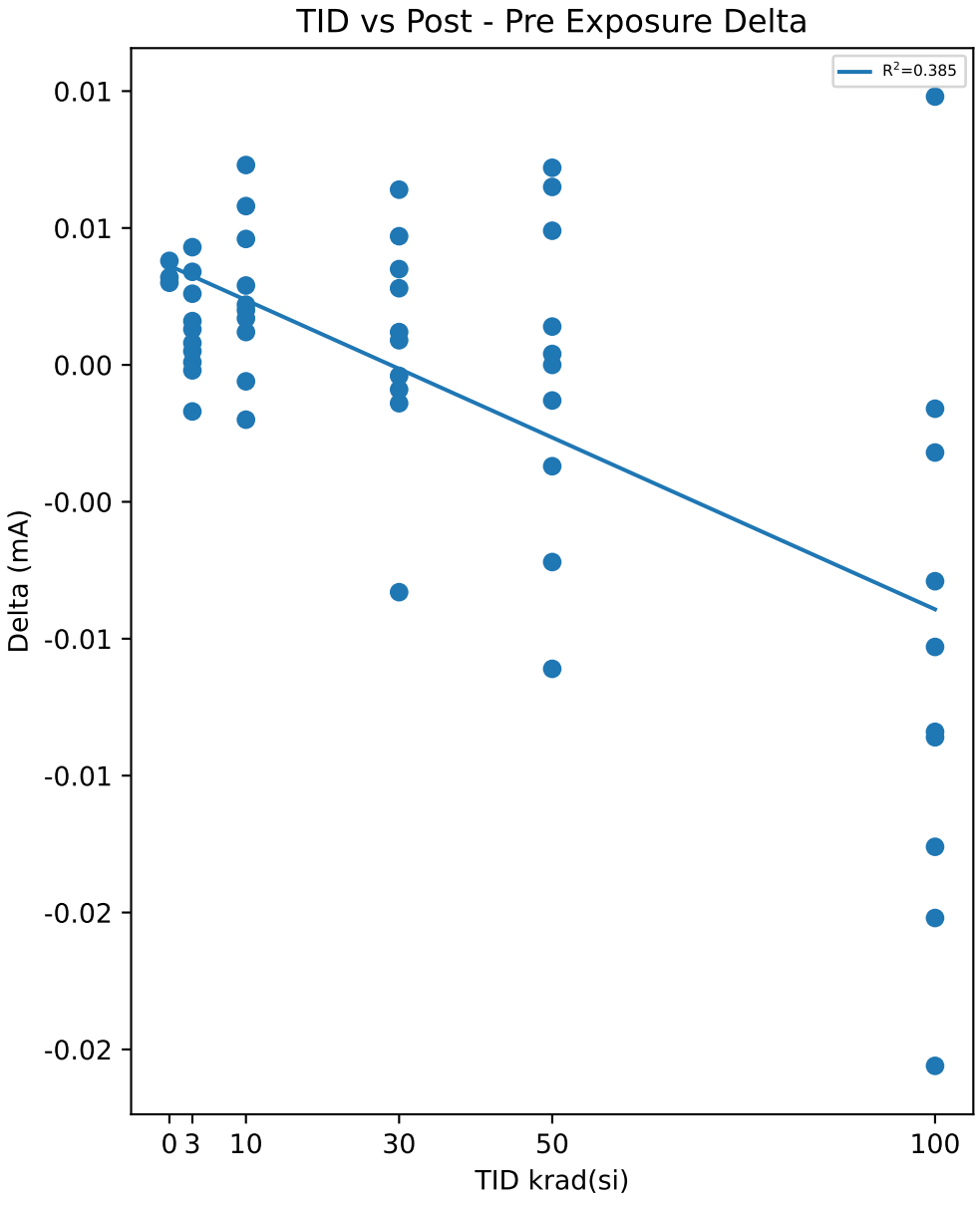
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
390	100	Biased	1.2059	1.2045	-0.0014
392	100	Biased	1.2029	1.2018	-0.0011
393	100	Biased	1.2058	1.2056	-0.0002
394	100	Biased	1.2077	1.2067	-0.001
395	100	Biased	1.207	1.205	-0.002
412	100	Unbiased	1.2077	1.2061	-0.0016
413	100	Unbiased	1.2026	1.2007	-0.0019
414	100	Unbiased	1.2036	1.2026	-0.001
415	100	Unbiased	1.2076	1.2067	-0.0009
416	100	Unbiased	1.2087	1.2078	-0.0009
417	50	Biased	1.2062	1.2059	-0.0003
418	50	Biased	1.2049	1.205	0.0001
419	50	Biased	1.2059	1.2051	-0.0008
421	50	Biased	1.2038	1.2038	0
422	50	Biased	1.2068	1.2071	0.0003
423	50	Unbiased	1.2101	1.21	-0.0001
424	50	Unbiased	1.2047	1.2045	-0.0002
425	50	Unbiased	1.2068	1.2072	0.0004
426	50	Unbiased	1.2061	1.2059	-0.0002
427	50	Unbiased	1.2045	1.2042	-0.0003
463	0	Corr	1.2074	1.2075	0.0001
464	0	Corr	1.2053	1.2054	0.0001
465	0	Corr	1.2075	1.2076	0.0001
466	30	Biased	1.2073	1.2072	-0.0001
469	30	Biased	1.2061	1.2058	-0.0003
470	30	Biased	1.2039	1.2038	-0.0001
472	30	Biased	1.2015	1.2015	0
474	30	Biased	1.2045	1.2043	-0.0002
475	30	Unbiased	1.2058	1.2057	-0.0001
477	30	Unbiased	1.2066	1.2062	-0.0004
478	30	Unbiased	1.2048	1.2046	-0.0002
479	30	Unbiased	1.2044	1.2041	-0.0003
480	30	Unbiased	1.205	1.2052	0.0002
481	10	Biased	1.2008	1.2009	0.0001
482	10	Biased	1.2071	1.2072	0.0001
483	10	Biased	1.2014	1.2013	-0.0001
484	10	Biased	1.2021	1.202	-0.0001
485	10	Biased	1.2046	1.2043	-0.0003
487	10	Unbiased	1.2028	1.2027	-0.0001
488	10	Unbiased	1.2059	1.2058	-0.0001
489	10	Unbiased	1.2078	1.2073	-0.0005
490	10	Unbiased	1.2066	1.2065	-0.0001
491	10	Unbiased	1.2066	1.2067	0.0001
492	3	Biased	1.2036	1.2035	-0.0001
493	3	Biased	1.2038	1.204	0.0002
494	3	Biased	1.2071	1.2073	0.0002
495	3	Biased	1.207	1.2073	0.0003
496	3	Biased	1.2074	1.2073	-0.0001
497	3	Unbiased	1.2035	1.2035	0
498	3	Unbiased	1.2026	1.2025	-0.0001
499	3	Unbiased	1.2097	1.2099	0.0002
500	3	Unbiased	1.2069	1.2071	0.0002
502	3	Unbiased	1.206	1.2062	0.0002

Test Statistics (V)

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	1.2053	1.2067	1.2075	0.0012423	1.2054	1.2068	1.2076	0.0012423	0.0001	0.0001	0.0001	0
3	1.2026	1.2058	1.2097	0.0022731	1.2025	1.2059	1.2099	0.002359	-0.0001	0.0001	0.0003	0.00015635
10	1.2008	1.2046	1.2078	0.0025893	1.2009	1.2045	1.2073	0.0025469	-0.0005	-0.0001	0.0001	0.00018856
30	1.2015	1.205	1.2073	0.0016265	1.2015	1.2048	1.2072	0.0015756	-0.0004	-0.00015	0.0002	0.00017159
50	1.2038	1.206	1.2101	0.0017681	1.2038	1.2059	1.21	0.0018451	-0.0008	-0.00011	0.0004	0.0003414
100	1.2026	1.206	1.2087	0.0022006	1.2007	1.2047	1.2078	0.0023406	-0.002	-0.0012	-0.0002	0.00053748

Device Test: 12.3 IQ_VIN(IQ|STATIC/VIN/4.5////@IQ_VIN)





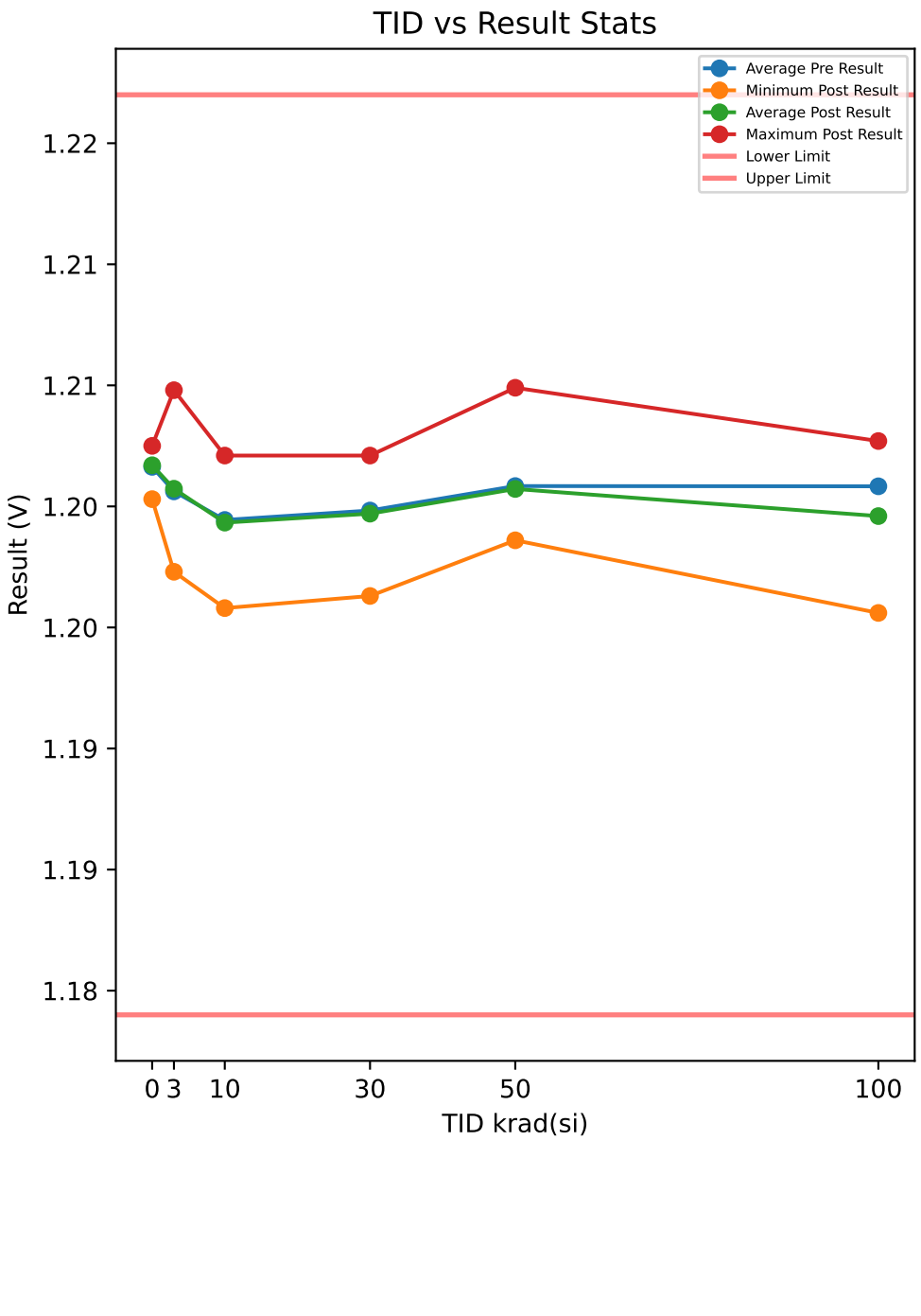
Test Results (Upper Limit = 5.0 (mA))

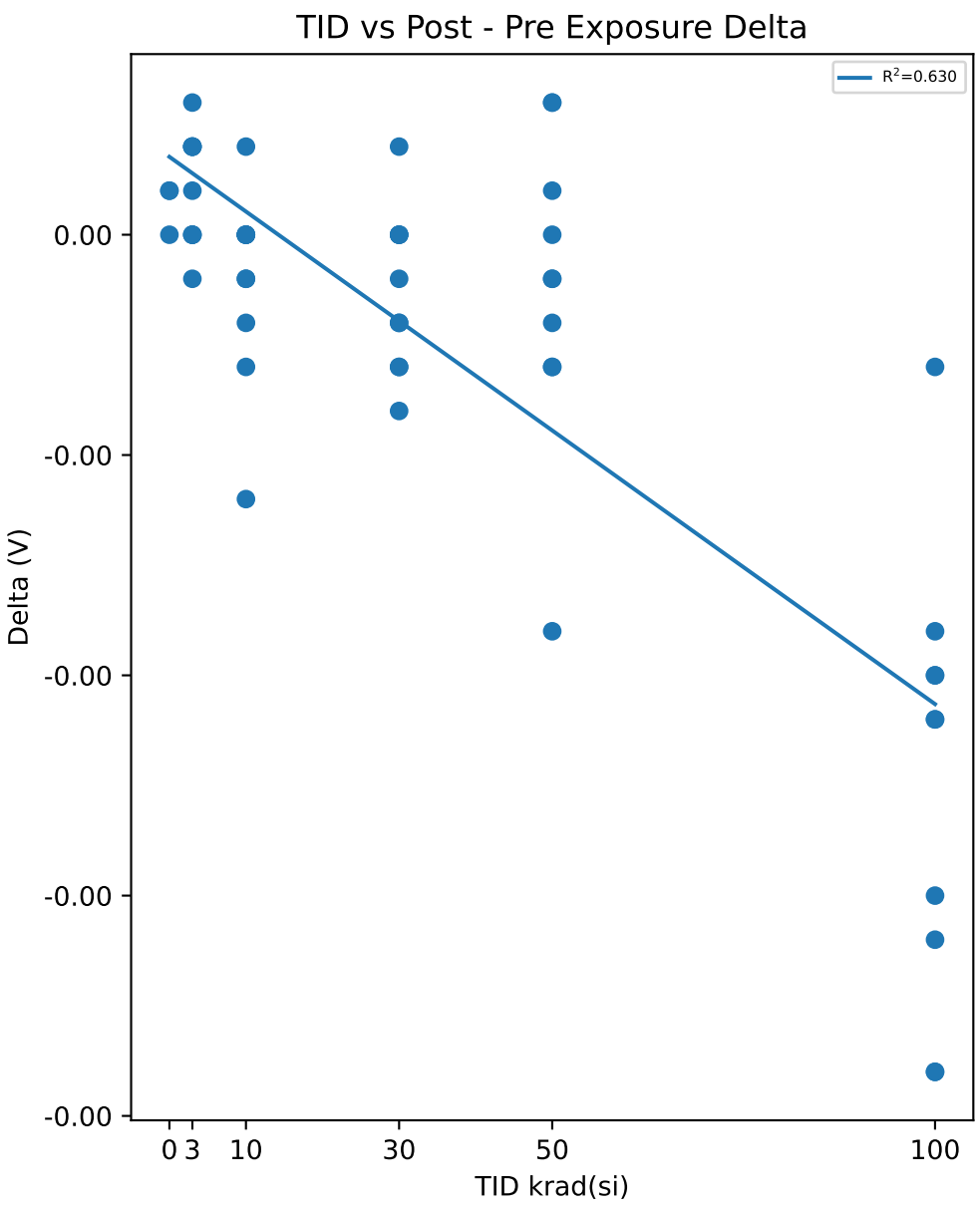
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
390	100	Biased	2.659	2.6487	-0.0103
392	100	Biased	2.6272	2.624	-0.0032
393	100	Biased	2.5324	2.5122	-0.0202
394	100	Biased	2.6426	2.6292	-0.0134
395	100	Biased	2.5451	2.5435	-0.0016
412	100	Unbiased	2.5416	2.5337	-0.0079
413	100	Unbiased	2.55	2.5244	-0.0256
414	100	Unbiased	2.5267	2.5365	0.0098
415	100	Unbiased	2.5572	2.5436	-0.0136
416	100	Unbiased	2.5375	2.5199	-0.0176
417	50	Biased	2.5591	2.5578	-0.0013
418	50	Biased	2.5349	2.5312	-0.0037
419	50	Biased	2.5562	2.5634	0.0072
421	50	Biased	2.6053	2.6102	0.0049
422	50	Biased	2.557	2.5498	-0.0072
423	50	Unbiased	2.5874	2.5878	0.0004
424	50	Unbiased	2.5515	2.5529	0.0014
425	50	Unbiased	2.5318	2.5383	0.0065
426	50	Unbiased	2.6279	2.6168	-0.0111
427	50	Unbiased	2.6654	2.6654	0
463	0	Corr	2.535	2.5388	0.0038
464	0	Corr	2.5237	2.5267	0.003
465	0	Corr	2.5412	2.5444	0.0032
466	30	Biased	2.5362	2.5358	-0.0004
469	30	Biased	2.6931	2.6959	0.0028
470	30	Biased	2.5446	2.551	0.0064
472	30	Biased	2.6049	2.5966	-0.0083
474	30	Biased	2.5055	2.5046	-0.0009
475	30	Unbiased	2.5922	2.5931	0.0009
477	30	Unbiased	2.558	2.5627	0.0047
478	30	Unbiased	2.6208	2.6243	0.0035
479	30	Unbiased	2.6042	2.6028	-0.0014
480	30	Unbiased	2.5868	2.588	0.0012
481	10	Biased	2.432	2.4342	0.0022
482	10	Biased	2.5586	2.5598	0.0012
483	10	Biased	2.5672	2.573	0.0058
484	10	Biased	2.5488	2.5468	-0.002
485	10	Biased	2.5656	2.5673	0.0017
487	10	Unbiased	2.636	2.638	0.002
488	10	Unbiased	2.5494	2.5523	0.0029
489	10	Unbiased	2.5718	2.5791	0.0073
490	10	Unbiased	2.5285	2.5279	-0.0006
491	10	Unbiased	2.4886	2.4932	0.0046
492	3	Biased	2.5983	2.5984	0.0001
493	3	Biased	2.5455	2.5498	0.0043
494	3	Biased	2.6267	2.628	0.0013
495	3	Biased	2.5892	2.5918	0.0026
496	3	Biased	2.6612	2.6646	0.0034
497	3	Unbiased	2.5327	2.5335	0.0008
498	3	Unbiased	2.569	2.5688	-0.0002
499	3	Unbiased	2.5567	2.5583	0.0016
500	3	Unbiased	2.6183	2.6188	0.0005
502	3	Unbiased	2.5504	2.5487	-0.0017

Test Statistics (mA)

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	2.5237	2.5333	2.5412	0.008873	2.5267	2.5366	2.5444	0.0090467	0.003	0.0033333	0.0038	0.00041633
3	2.5327	2.5848	2.6612	0.041363	2.5335	2.5861	2.6646	0.041801	-0.0017	0.00127	0.0043	0.0017876
10	2.432	2.5446	2.636	0.054115	2.4342	2.5472	2.638	0.054339	-0.002	0.00251	0.0073	0.0028093
30	2.5055	2.5846	2.6931	0.052545	2.5046	2.5855	2.6959	0.052604	-0.0083	0.00085	0.0064	0.0040823
50	2.5318	2.5776	2.6654	0.04337	2.5312	2.5774	2.6654	0.042277	-0.0111	-0.00029	0.0072	0.0058671
100	2.5267	2.5719	2.659	0.05029	2.5122	2.5616	2.6487	0.051287	-0.0256	-0.01036	0.0098	0.010229

Device Test: 12.5 VBANDGAP(LEVEL|STATIC/REFCAP/4.5////@VBANDGAP)





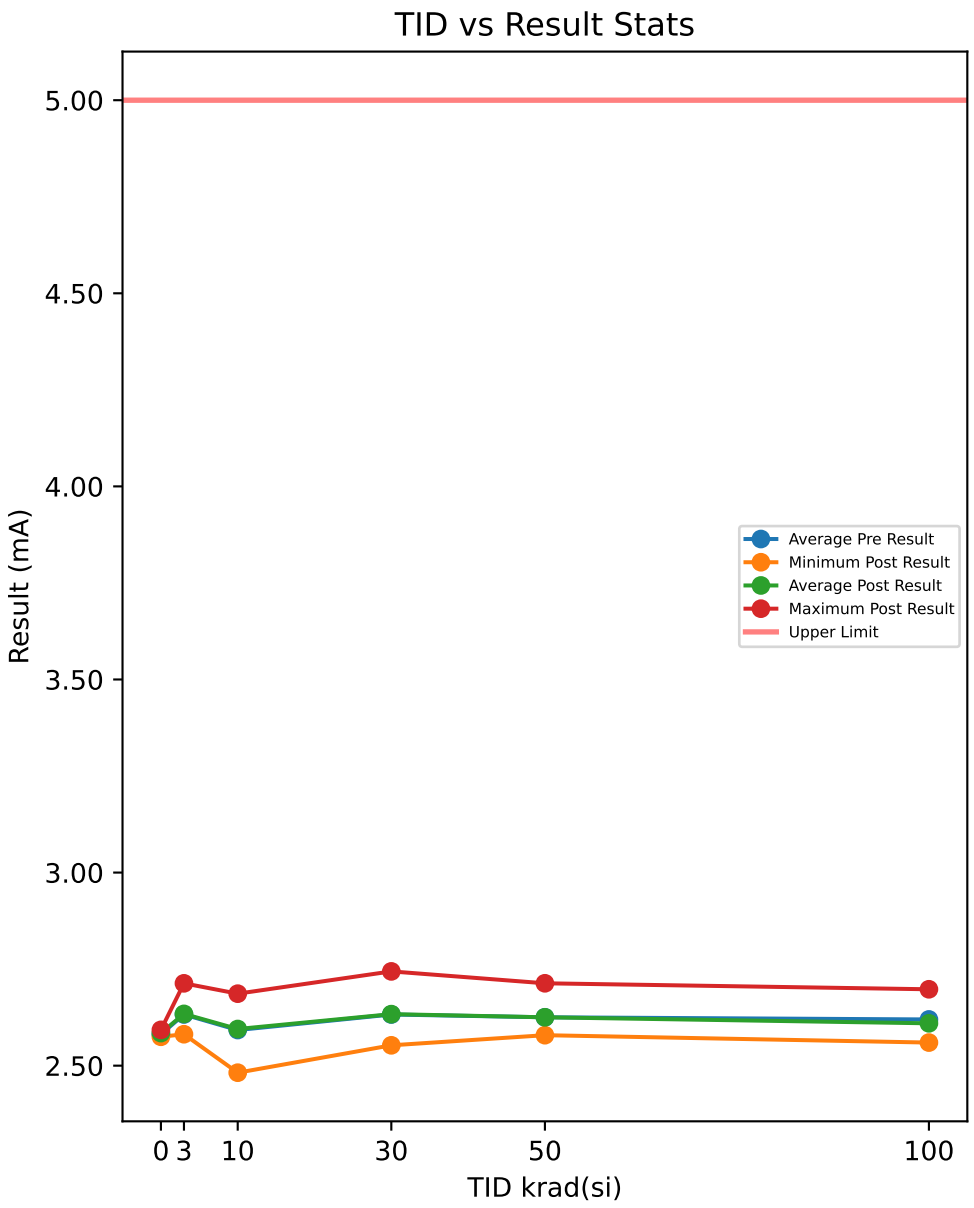
Test Results (Lower Limit = 1.184, Upper Limit = 1.222 (V))

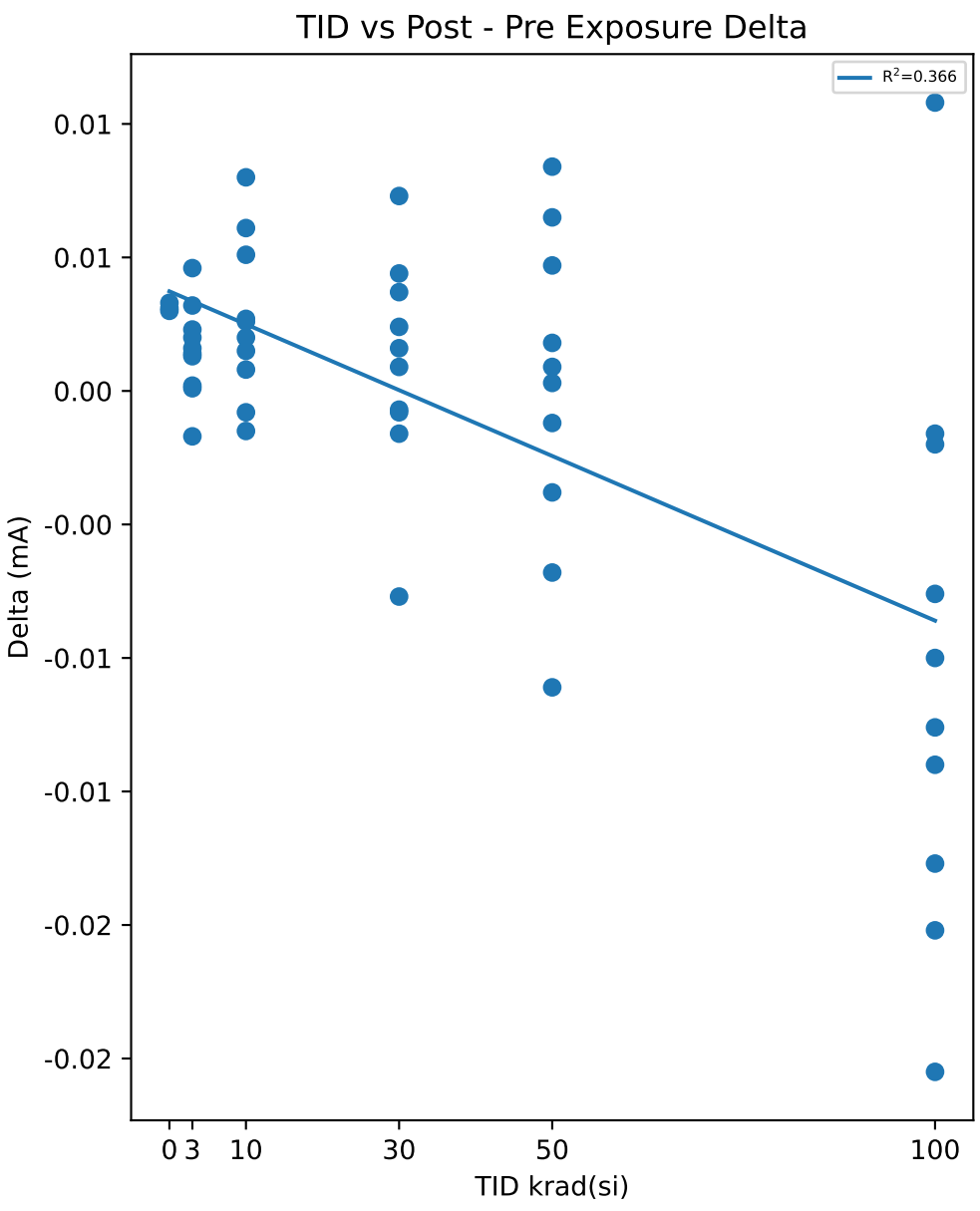
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
390	100	Biased	1.2058	1.2043	-0.0015
392	100	Biased	1.2027	1.2016	-0.0011
393	100	Biased	1.2057	1.2054	-0.0003
394	100	Biased	1.2076	1.2065	-0.0011
395	100	Biased	1.2068	1.2049	-0.0019
412	100	Unbiased	1.2076	1.206	-0.0016
413	100	Unbiased	1.2025	1.2006	-0.0019
414	100	Unbiased	1.2035	1.2025	-0.001
415	100	Unbiased	1.2075	1.2065	-0.001
416	100	Unbiased	1.2086	1.2077	-0.0009
417	50	Biased	1.2061	1.2058	-0.0003
418	50	Biased	1.2047	1.2048	0.0001
419	50	Biased	1.2058	1.2049	-0.0009
421	50	Biased	1.2036	1.2036	0
422	50	Biased	1.2067	1.207	0.0003
423	50	Unbiased	1.21	1.2099	-0.0001
424	50	Unbiased	1.2045	1.2044	-0.0001
425	50	Unbiased	1.2067	1.207	0.0003
426	50	Unbiased	1.2059	1.2057	-0.0002
427	50	Unbiased	1.2044	1.2041	-0.0003
463	0	Corr	1.2073	1.2073	0
464	0	Corr	1.2052	1.2053	0.0001
465	0	Corr	1.2074	1.2075	0.0001
466	30	Biased	1.2071	1.2071	0
469	30	Biased	1.206	1.2057	-0.0003
470	30	Biased	1.2037	1.2037	0
472	30	Biased	1.2013	1.2013	0
474	30	Biased	1.2044	1.2042	-0.0002
475	30	Unbiased	1.2057	1.2056	-0.0001
477	30	Unbiased	1.2064	1.2061	-0.0003
478	30	Unbiased	1.2046	1.2044	-0.0002
479	30	Unbiased	1.2043	1.2039	-0.0004
480	30	Unbiased	1.2048	1.205	0.0002
481	10	Biased	1.2006	1.2008	0.0002
482	10	Biased	1.207	1.207	0
483	10	Biased	1.2012	1.2012	0
484	10	Biased	1.2019	1.2019	0
485	10	Biased	1.2045	1.2042	-0.0003
487	10	Unbiased	1.2027	1.2026	-0.0001
488	10	Unbiased	1.2058	1.2057	-0.0001
489	10	Unbiased	1.2077	1.2071	-0.0006
490	10	Unbiased	1.2065	1.2063	-0.0002
491	10	Unbiased	1.2065	1.2065	0
492	3	Biased	1.2034	1.2034	0
493	3	Biased	1.2037	1.2038	0.0001
494	3	Biased	1.207	1.2072	0.0002
495	3	Biased	1.2069	1.2072	0.0003
496	3	Biased	1.2072	1.2072	0
497	3	Unbiased	1.2033	1.2033	0
498	3	Unbiased	1.2024	1.2023	-0.0001
499	3	Unbiased	1.2096	1.2098	0.0002
500	3	Unbiased	1.2068	1.207	0.0002
502	3	Unbiased	1.2059	1.2061	0.0002

Test Statistics (V)

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	1.2052	1.2066	1.2074	0.0012423	1.2053	1.2067	1.2075	0.0012166	0	6.6667e-05	0.0001	5.7735e-05
3	1.2024	1.2056	1.2096	0.0023026	1.2023	1.2057	1.2098	0.0023949	-0.0001	0.00011	0.0003	0.00012867
10	1.2006	1.2044	1.2077	0.0026298	1.2008	1.2043	1.2071	0.0025042	-0.0006	-0.00011	0.0002	0.00021833
30	1.2013	1.2048	1.2071	0.001633	1.2013	1.2047	1.2071	0.0016042	-0.0004	-0.00013	0.0002	0.00018288
50	1.2036	1.2058	1.21	0.0017964	1.2036	1.2057	1.2099	0.00186	-0.0009	-0.00012	0.0003	0.00034897
100	1.2025	1.2058	1.2086	0.0022111	1.2006	1.2046	1.2077	0.0023338	-0.0019	-0.00123	-0.0003	0.00049677

Device Test: 12.8 IQ_VIN(IQ|STATIC/VIN/5////@IQ_VIN)





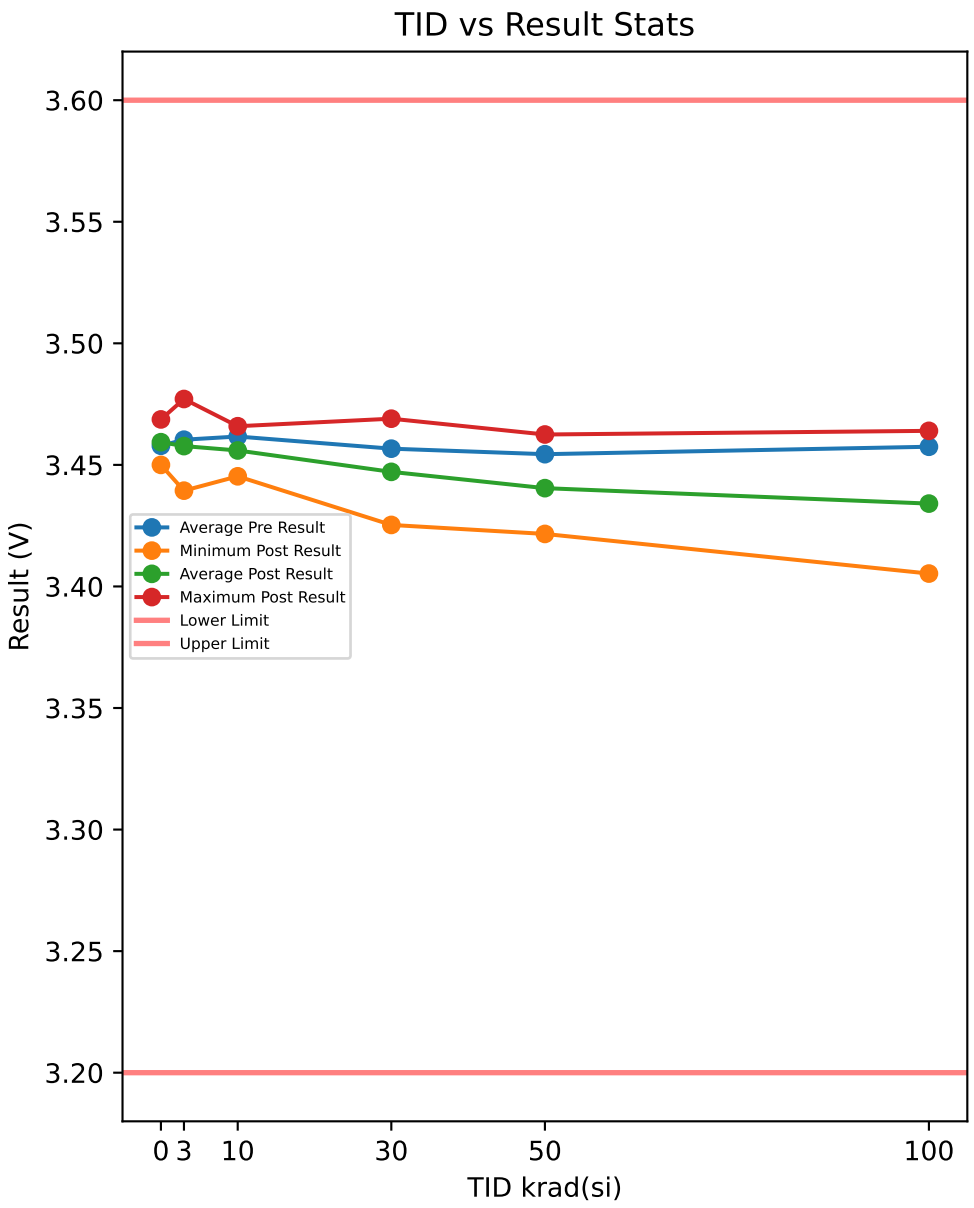
Test Results (Upper Limit = 5.0 (mA))

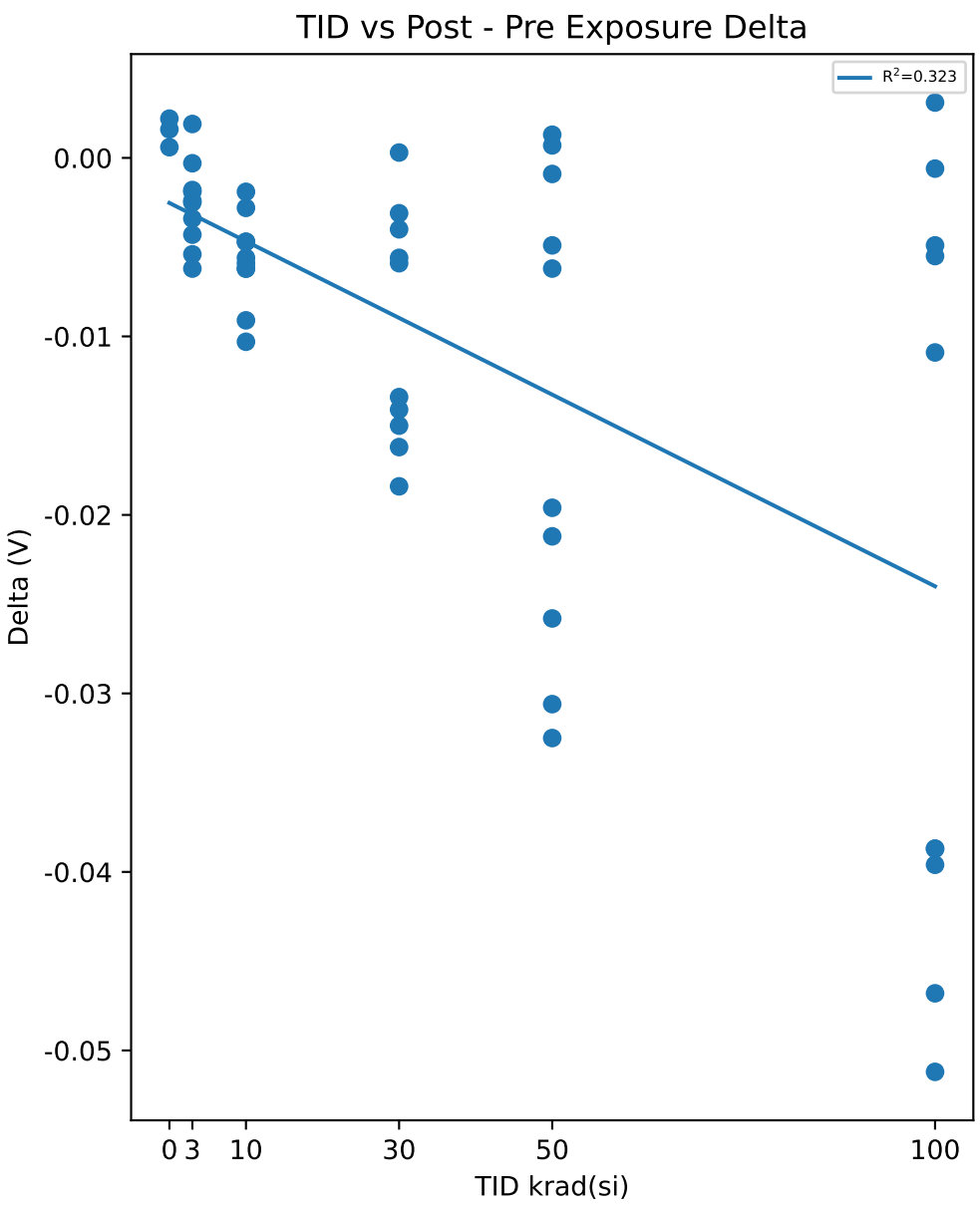
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
390	100	Biased	2.7078	2.6978	-0.01
392	100	Biased	2.6754	2.6734	-0.002
393	100	Biased	2.58	2.5598	-0.0202
394	100	Biased	2.6914	2.6774	-0.014
395	100	Biased	2.5928	2.5912	-0.0016
412	100	Unbiased	2.5893	2.5817	-0.0076
413	100	Unbiased	2.5966	2.5711	-0.0255
414	100	Unbiased	2.5748	2.5856	0.0108
415	100	Unbiased	2.6038	2.5912	-0.0126
416	100	Unbiased	2.585	2.5673	-0.0177
417	50	Biased	2.607	2.6058	-0.0012
418	50	Biased	2.5827	2.5789	-0.0038
419	50	Biased	2.6037	2.6121	0.0084
421	50	Biased	2.6523	2.657	0.0047
422	50	Biased	2.6053	2.5985	-0.0068
423	50	Unbiased	2.6349	2.6358	0.0009
424	50	Unbiased	2.5986	2.6004	0.0018
425	50	Unbiased	2.5792	2.5857	0.0065
426	50	Unbiased	2.6761	2.665	-0.0111
427	50	Unbiased	2.713	2.7133	0.0003
463	0	Corr	2.5827	2.5857	0.003
464	0	Corr	2.5717	2.5748	0.0031
465	0	Corr	2.5894	2.5927	0.0033
466	30	Biased	2.5838	2.5831	-0.0007
469	30	Biased	2.7417	2.7441	0.0024
470	30	Biased	2.5919	2.5992	0.0073
472	30	Biased	2.6528	2.6451	-0.0077
474	30	Biased	2.5535	2.5527	-0.0008
475	30	Unbiased	2.6396	2.6405	0.0009
477	30	Unbiased	2.6063	2.6107	0.0044
478	30	Unbiased	2.6688	2.6725	0.0037
479	30	Unbiased	2.6513	2.6497	-0.0016
480	30	Unbiased	2.635	2.6366	0.0016
481	10	Biased	2.4798	2.4818	0.002
482	10	Biased	2.6064	2.6072	0.0008
483	10	Biased	2.6151	2.6212	0.0061
484	10	Biased	2.5963	2.5948	-0.0015
485	10	Biased	2.6128	2.6143	0.0015
487	10	Unbiased	2.6838	2.6864	0.0026
488	10	Unbiased	2.5974	2.6001	0.0027
489	10	Unbiased	2.6198	2.6278	0.008
490	10	Unbiased	2.5759	2.5751	-0.0008
491	10	Unbiased	2.5353	2.5404	0.0051
492	3	Biased	2.6459	2.6461	0.0002
493	3	Biased	2.5927	2.5973	0.0046
494	3	Biased	2.6746	2.6762	0.0016
495	3	Biased	2.6376	2.6399	0.0023
496	3	Biased	2.71	2.7132	0.0032
497	3	Unbiased	2.58	2.5814	0.0014
498	3	Unbiased	2.6165	2.6166	0.0001
499	3	Unbiased	2.6045	2.6065	0.002
500	3	Unbiased	2.6658	2.6671	0.0013
502	3	Unbiased	2.5979	2.5962	-0.0017

Test Statistics (mA)

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	2.5717	2.5813	2.5894	0.0089366	2.5748	2.5844	2.5927	0.0090205	0.003	0.0031333	0.0033	0.00015275
3	2.58	2.6325	2.71	0.041727	2.5814	2.634	2.7132	0.042074	-0.0017	0.0015	0.0046	0.0017429
10	2.4798	2.5923	2.6838	0.054246	2.4818	2.5949	2.6864	0.054625	-0.0015	0.00265	0.008	0.0029968
30	2.5535	2.6325	2.7417	0.052717	2.5527	2.6334	2.7441	0.052677	-0.0077	0.00095	0.0073	0.0040747
50	2.5792	2.6253	2.713	0.043394	2.5789	2.6253	2.7133	0.042228	-0.0111	-3e-05	0.0084	0.0060033
100	2.5748	2.6197	2.7078	0.050811	2.5598	2.6096	2.6978	0.051886	-0.0255	-0.01004	0.0108	0.010537

Device Test: 14.1 UVLO_RISE_PVIN(THRESHOLD|RISE/PVIN/4.5////@UVLO_RISE_PVIN)





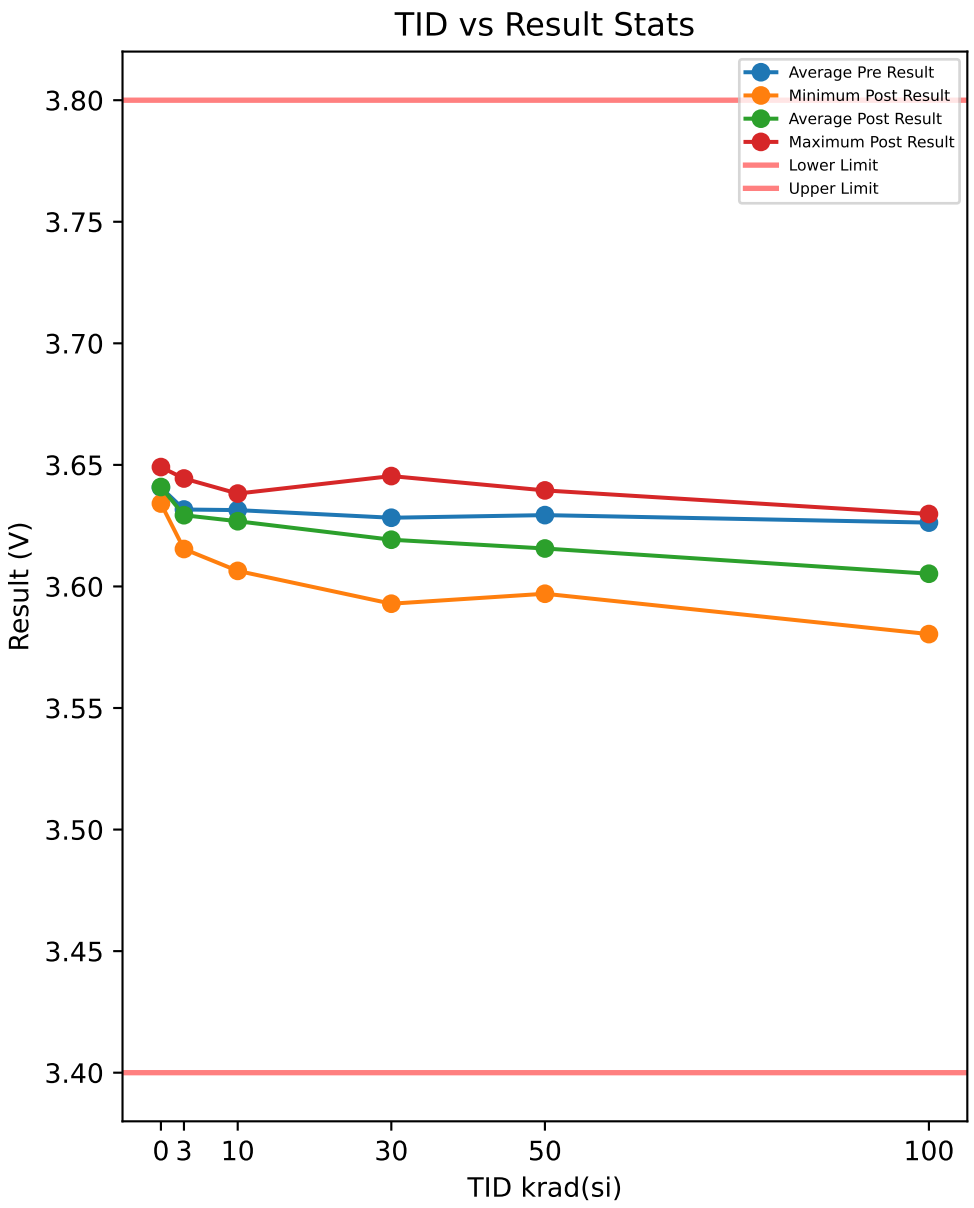
Test Results (Lower Limit = 3.2, Upper Limit = 3.6 (V))

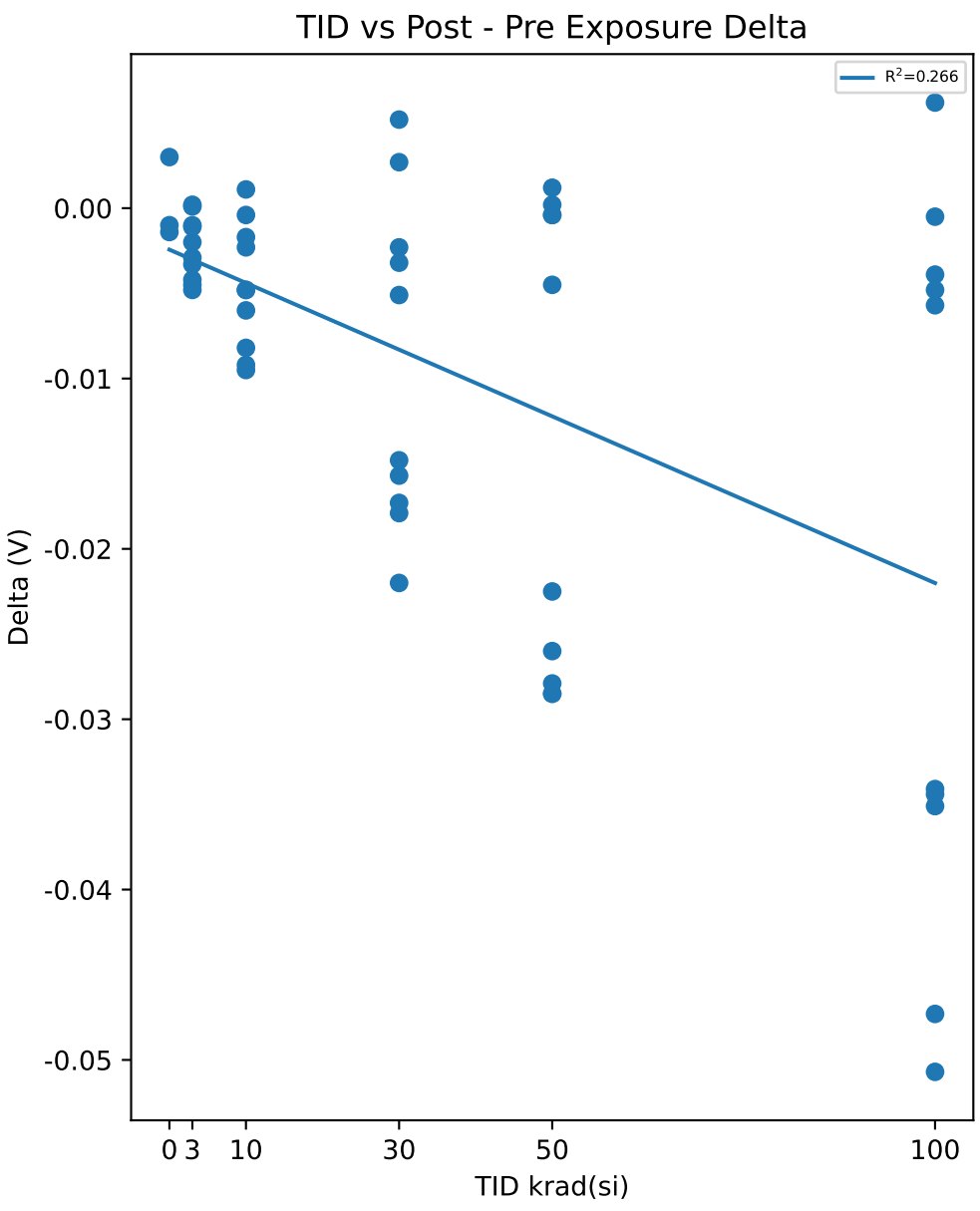
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
390	100	Biased	3.4565	3.4169	-0.0396
392	100	Biased	3.464	3.4172	-0.0468
393	100	Biased	3.4696	3.4184	-0.0512
394	100	Biased	3.444	3.4053	-0.0387
395	100	Biased	3.4734	3.4347	-0.0387
412	100	Unbiased	3.4302	3.4247	-0.0055
413	100	Unbiased	3.4568	3.4459	-0.0109
414	100	Unbiased	3.4596	3.4547	-0.0049
415	100	Unbiased	3.4559	3.459	0.0031
416	100	Unbiased	3.4646	3.464	-0.0006
417	50	Biased	3.4565	3.4369	-0.0196
418	50	Biased	3.4474	3.4216	-0.0258
419	50	Biased	3.4631	3.4306	-0.0325
421	50	Biased	3.4496	3.4284	-0.0212
422	50	Biased	3.4556	3.425	-0.0306
423	50	Unbiased	3.4546	3.4497	-0.0049
424	50	Unbiased	3.4434	3.4425	-0.0009
425	50	Unbiased	3.4527	3.4534	0.0007
426	50	Unbiased	3.4524	3.4537	0.0013
427	50	Unbiased	3.4687	3.4625	-0.0062
463	0	Corr	3.4665	3.4687	0.0022
464	0	Corr	3.4484	3.45	0.0016
465	0	Corr	3.4587	3.4593	0.0006
466	30	Biased	3.4703	3.4553	-0.015
469	30	Biased	3.4618	3.4456	-0.0162
470	30	Biased	3.4387	3.4253	-0.0134
472	30	Biased	3.4406	3.4265	-0.0141
474	30	Biased	3.4559	3.4375	-0.0184
475	30	Unbiased	3.4631	3.4572	-0.0059
477	30	Unbiased	3.4609	3.4578	-0.0031
478	30	Unbiased	3.4674	3.4618	-0.0056
479	30	Unbiased	3.4687	3.469	0.0003
480	30	Unbiased	3.4393	3.4353	-0.004
481	10	Biased	3.4515	3.4453	-0.0062
482	10	Biased	3.4587	3.4525	-0.0062
483	10	Biased	3.4565	3.4506	-0.0059
484	10	Biased	3.4559	3.4468	-0.0091
485	10	Biased	3.4762	3.4659	-0.0103
487	10	Unbiased	3.4656	3.4637	-0.0019
488	10	Unbiased	3.4559	3.4531	-0.0028
489	10	Unbiased	3.4646	3.459	-0.0056
490	10	Unbiased	3.4637	3.459	-0.0047
491	10	Unbiased	3.4681	3.4634	-0.0047
492	3	Biased	3.4412	3.4394	-0.0018
493	3	Biased	3.4534	3.45	-0.0034
494	3	Biased	3.4825	3.4771	-0.0054
495	3	Biased	3.4512	3.445	-0.0062
496	3	Biased	3.4502	3.4459	-0.0043
497	3	Unbiased	3.4681	3.47	0.0019
498	3	Unbiased	3.4684	3.4659	-0.0025
499	3	Unbiased	3.4578	3.4575	-0.0003
500	3	Unbiased	3.4584	3.4565	-0.0019
502	3	Unbiased	3.4724	3.47	-0.0024

Test Statistics (V)

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	3.4484	3.4579	3.4665	0.0090787	3.45	3.4593	3.4687	0.00935	0.0006	0.0014667	0.0022	0.00080829
3	3.4412	3.4604	3.4825	0.01235	3.4394	3.4577	3.4771	0.012659	-0.0062	-0.00263	0.0019	0.0023814
10	3.4515	3.4617	3.4762	0.0073498	3.4453	3.4559	3.4659	0.0072951	-0.0103	-0.00574	-0.0019	0.0025409
30	3.4387	3.4567	3.4703	0.012537	3.4253	3.4471	3.469	0.015321	-0.0184	-0.00954	0.0003	0.00655
50	3.4434	3.4544	3.4687	0.0073485	3.4216	3.4404	3.4625	0.014016	-0.0325	-0.01397	0.0013	0.013357
100	3.4302	3.4575	3.4734	0.012596	3.4053	3.4341	3.464	0.020612	-0.0512	-0.02338	0.0031	0.021323

Device Test: 14.10 UVLO_RISE_VIN(THRESHOLD|RISE/VIN/5////@UVLO_RISE_VIN)





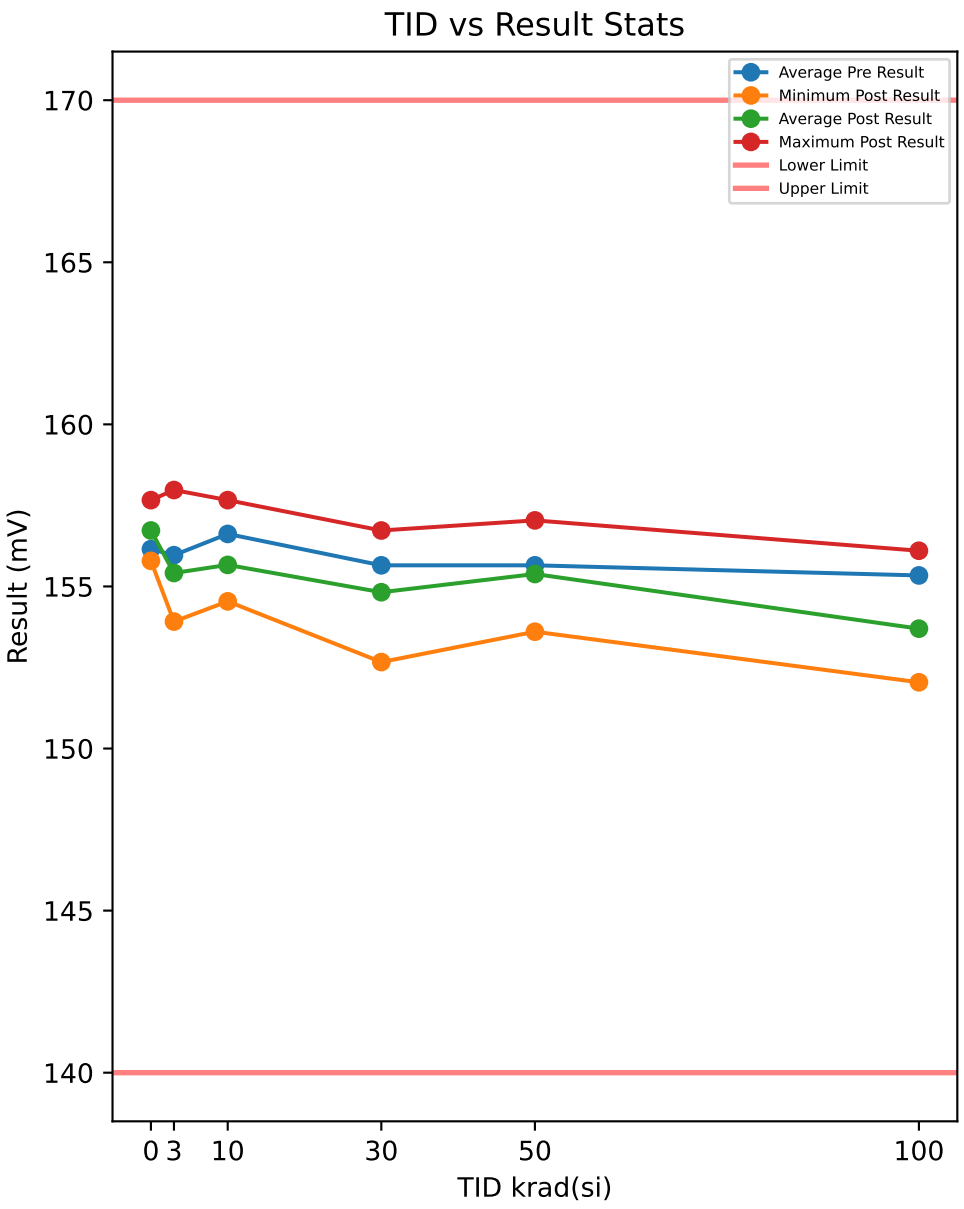
Test Results (Lower Limit = 3.4, Upper Limit = 3.8 (V))

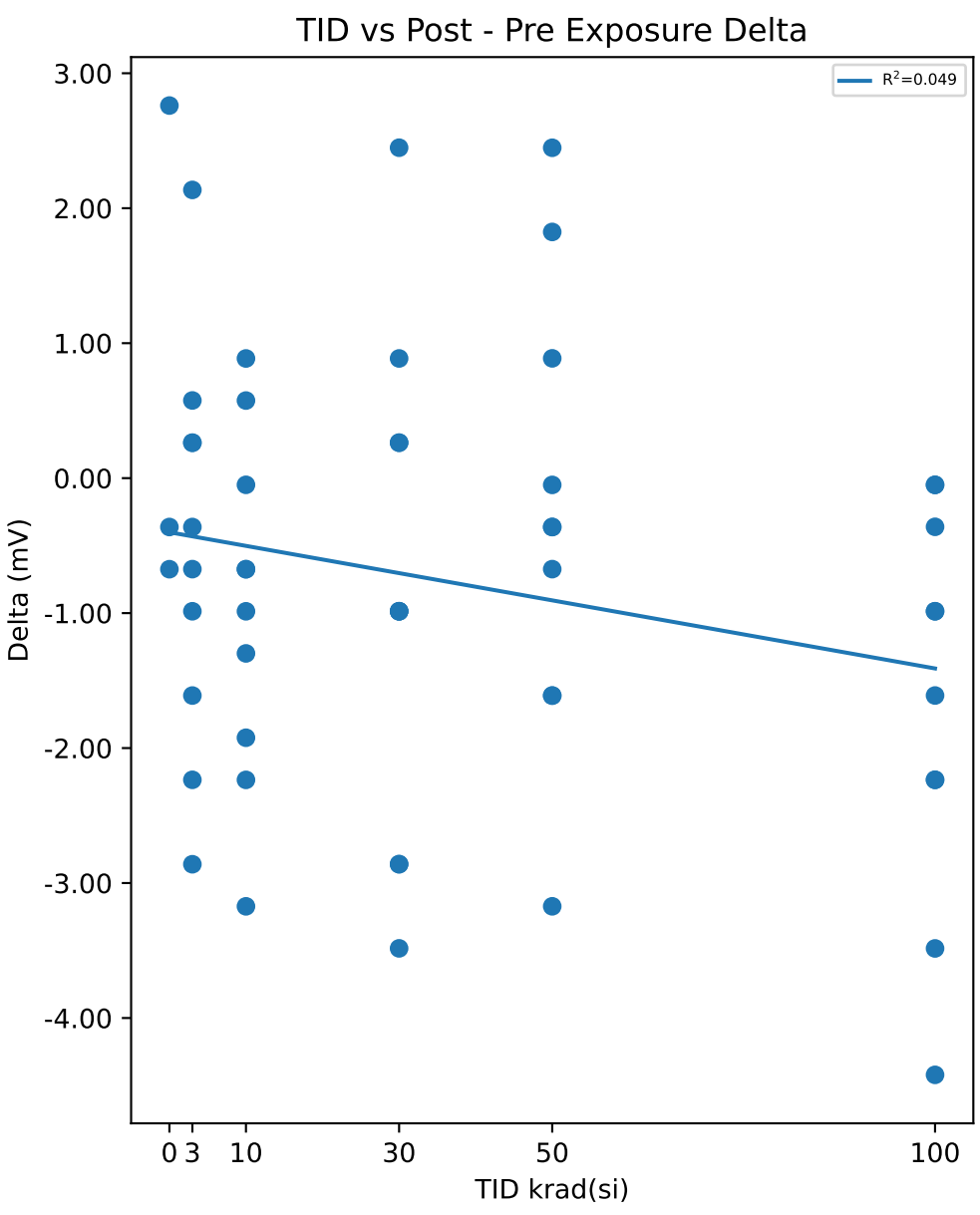
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
390	100	Biased	3.6277	3.5804	-0.0473
392	100	Biased	3.6386	3.5879	-0.0507
393	100	Biased	3.6308	3.5964	-0.0344
394	100	Biased	3.6274	3.5923	-0.0351
395	100	Biased	3.6411	3.607	-0.0341
412	100	Unbiased	3.6236	3.6298	0.0062
413	100	Unbiased	3.6068	3.602	-0.0048
414	100	Unbiased	3.629	3.6251	-0.0039
415	100	Unbiased	3.6133	3.6076	-0.0057
416	100	Unbiased	3.6243	3.6238	-0.0005
417	50	Biased	3.6286	3.6007	-0.0279
418	50	Biased	3.6314	3.6089	-0.0225
419	50	Biased	3.6352	3.6067	-0.0285
421	50	Biased	3.6339	3.6079	-0.026
422	50	Biased	3.6255	3.597	-0.0285
423	50	Unbiased	3.6208	3.6163	-0.0045
424	50	Unbiased	3.6149	3.6145	-0.0004
425	50	Unbiased	3.6355	3.6351	-0.0004
426	50	Unbiased	3.6293	3.6295	0.0002
427	50	Unbiased	3.6383	3.6395	0.0012
463	0	Corr	3.6405	3.6395	-0.001
464	0	Corr	3.6505	3.6491	-0.0014
465	0	Corr	3.6311	3.6341	0.003
466	30	Biased	3.6336	3.6179	-0.0157
469	30	Biased	3.6102	3.5929	-0.0173
470	30	Biased	3.619	3.597	-0.022
472	30	Biased	3.629	3.6142	-0.0148
474	30	Biased	3.6261	3.6082	-0.0179
475	30	Unbiased	3.6277	3.6226	-0.0051
477	30	Unbiased	3.6477	3.6454	-0.0023
478	30	Unbiased	3.6318	3.6345	0.0027
479	30	Unbiased	3.6339	3.6307	-0.0032
480	30	Unbiased	3.6236	3.6288	0.0052
481	10	Biased	3.6302	3.6242	-0.006
482	10	Biased	3.6452	3.636	-0.0092
483	10	Biased	3.6243	3.6148	-0.0095
484	10	Biased	3.6146	3.6064	-0.0082
485	10	Biased	3.6371	3.6348	-0.0023
487	10	Unbiased	3.6364	3.636	-0.0004
488	10	Unbiased	3.6265	3.6248	-0.0017
489	10	Unbiased	3.6371	3.6382	0.0011
490	10	Unbiased	3.6274	3.6226	-0.0048
491	10	Unbiased	3.6352	3.6304	-0.0048
492	3	Biased	3.6249	3.622	-0.0029
493	3	Biased	3.6193	3.616	-0.0033
494	3	Biased	3.6277	3.6235	-0.0042
495	3	Biased	3.6165	3.6154	-0.0011
496	3	Biased	3.6396	3.6376	-0.002
497	3	Unbiased	3.6486	3.6438	-0.0048
498	3	Unbiased	3.6443	3.6444	0.0001
499	3	Unbiased	3.628	3.627	-0.001
500	3	Unbiased	3.6408	3.6363	-0.0045
502	3	Unbiased	3.6268	3.627	0.0002

Test Statistics (V)

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	3.6311	3.6407	3.6505	0.0097015	3.6341	3.6409	3.6491	0.0075974	-0.0014	0.0002	0.003	0.0024331
3	3.6165	3.6316	3.6486	0.010926	3.6154	3.6293	3.6444	0.010665	-0.0048	-0.00235	0.0002	0.0018638
10	3.6146	3.6314	3.6452	0.0086214	3.6064	3.6268	3.6382	0.010354	-0.0095	-0.00458	0.0011	0.0037118
30	3.6102	3.6283	3.6477	0.0099439	3.5929	3.6192	3.6454	0.016629	-0.022	-0.00904	0.0052	0.009591
50	3.6149	3.6293	3.6383	0.0072598	3.597	3.6156	3.6395	0.014521	-0.0285	-0.01373	0.0012	0.013833
100	3.6068	3.6263	3.6411	0.010336	3.5804	3.6052	3.6298	0.016748	-0.0507	-0.02103	0.0062	0.021273

Device Test: 14.12 UVLO_HYST_VIN(THRESHOLD|HYST/VIN/5////@UVLO_HYST_VIN)





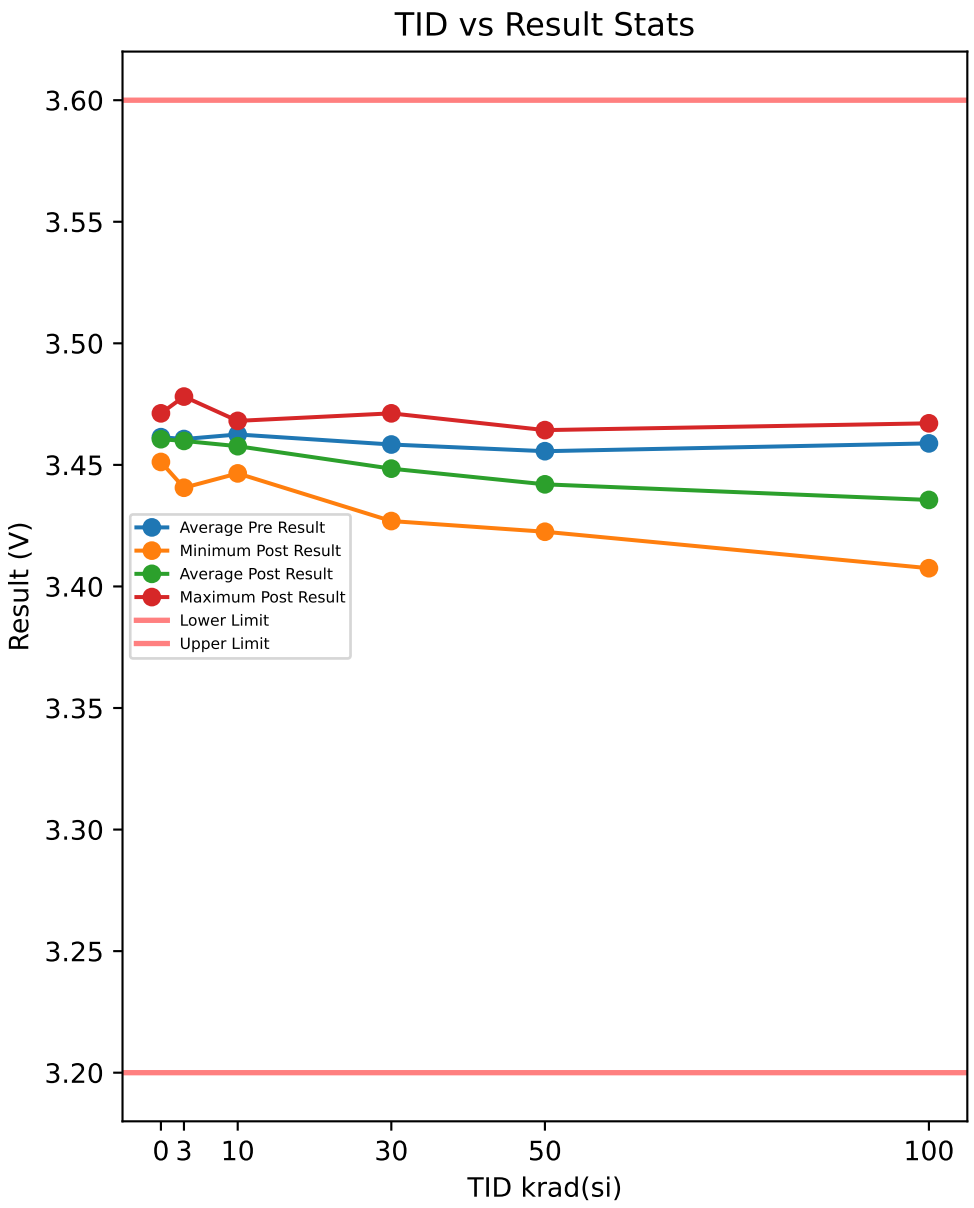
Test Results (Lower Limit = 140.0, Upper Limit = 170.0 (mV))

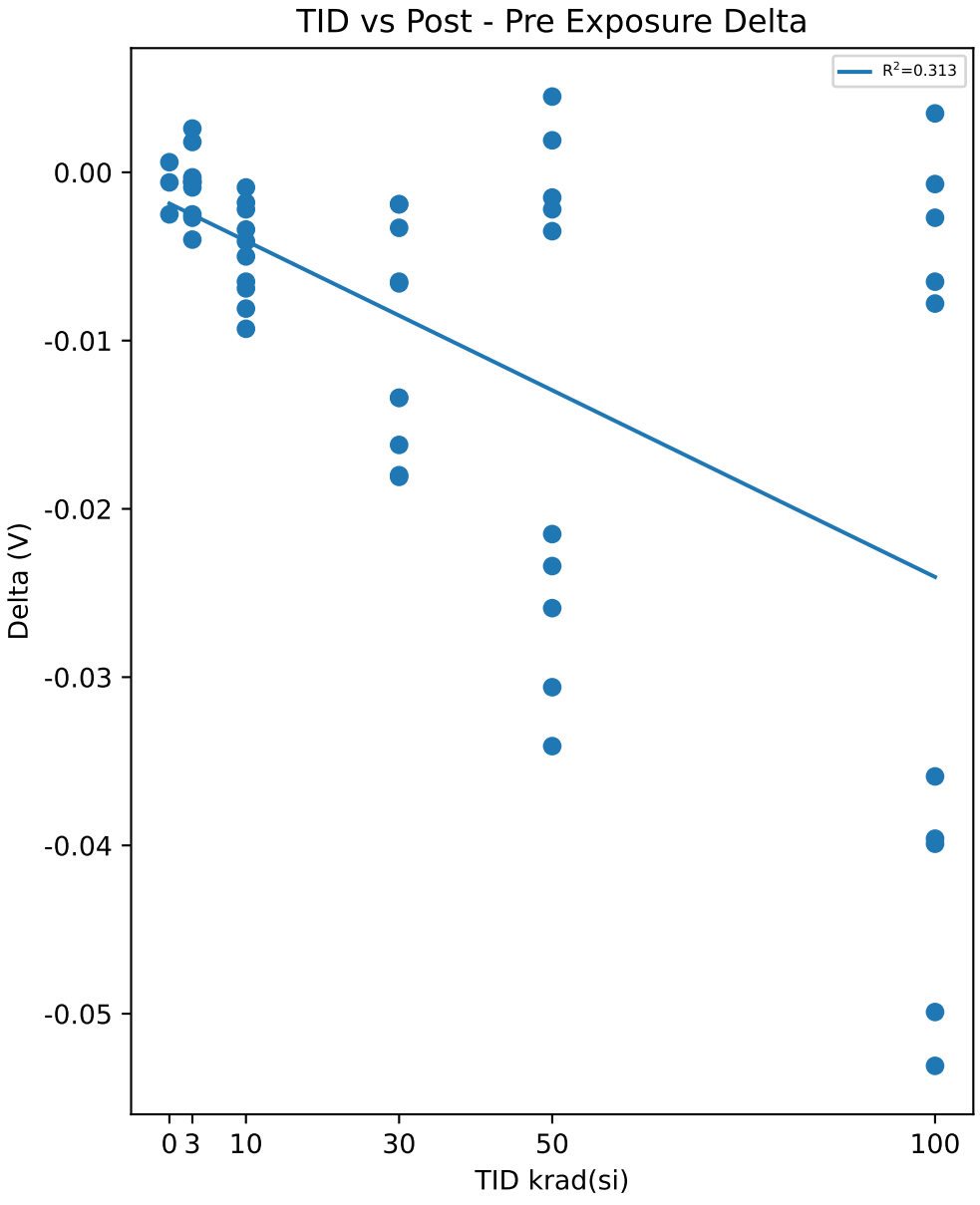
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
390	100	Biased	154.59	152.98	-1.6105
392	100	Biased	156.78	154.54	-2.2354
393	100	Biased	154.59	153.6	-0.9861
394	100	Biased	155.84	153.6	-2.2349
395	100	Biased	156.15	156.1	-0.05
412	100	Unbiased	155.84	154.85	-0.9863
413	100	Unbiased	152.4	152.04	-0.3607
414	100	Unbiased	153.97	153.92	-0.0496
415	100	Unbiased	156.78	152.35	-4.4212
416	100	Unbiased	156.46	152.98	-3.4845
417	50	Biased	157.09	155.48	-1.6113
418	50	Biased	154.59	156.41	1.8241
419	50	Biased	156.15	155.79	-0.3624
421	50	Biased	157.4	154.23	-3.1724
422	50	Biased	153.97	154.85	0.8876
423	50	Unbiased	155.53	155.17	-0.3617
424	50	Unbiased	154.59	157.04	2.4478
425	50	Unbiased	155.21	153.6	-1.6108
426	50	Unbiased	156.46	155.79	-0.6742
427	50	Unbiased	155.53	155.48	-0.0501
463	0	Corr	156.15	155.79	-0.3621
464	0	Corr	157.4	156.73	-0.6747
465	0	Corr	154.9	157.66	2.7606
466	30	Biased	155.84	156.73	0.8869
469	30	Biased	153.65	152.67	-0.9858
470	30	Biased	156.46	152.98	-3.484
472	30	Biased	154.9	155.16	0.2625
474	30	Biased	157.09	156.1	-0.9868
475	30	Unbiased	154.9	155.16	0.263
477	30	Unbiased	157.4	154.54	-2.8601
478	30	Unbiased	154.28	156.73	2.4483
479	30	Unbiased	157.4	154.54	-2.8603
480	30	Unbiased	154.59	153.6	-0.9861
481	10	Biased	155.84	156.73	0.8867
482	10	Biased	156.46	154.54	-1.9234
483	10	Biased	158.03	154.85	-3.1726
484	10	Biased	155.21	155.16	-0.0495
485	10	Biased	155.53	156.1	0.5749
487	10	Unbiased	156.15	155.48	-0.6745
488	10	Unbiased	156.15	154.85	-1.2986
489	10	Unbiased	158.34	157.66	-0.6748
490	10	Unbiased	157.09	154.85	-2.2356
491	10	Unbiased	157.4	156.41	-0.9866
492	3	Biased	155.53	154.54	-0.9864
493	3	Biased	156.46	154.85	-1.6108
494	3	Biased	156.15	153.92	-2.2352
495	3	Biased	156.15	156.41	0.2621
496	3	Biased	155.84	155.17	-0.6742
497	3	Unbiased	155.84	157.97	2.1355
498	3	Unbiased	154.28	154.54	0.2629
499	3	Unbiased	156.46	156.1	-0.3622
500	3	Unbiased	158.96	156.1	-2.8608
502	3	Unbiased	153.97	154.54	0.5756

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	154.9	156.15	157.4	1.2494	155.79	156.73	157.66	0.9366	-0.6747	0.5746	2.7606	1.8996
3	153.97	155.96	158.96	1.359	153.92	155.41	157.97	1.2207	-2.8608	-0.54935	2.1355	1.4661
10	155.21	156.62	158.34	1.054	154.54	155.66	157.66	1.0218	-3.1726	-0.9554	0.8867	1.2616
30	153.65	155.65	157.4	1.3748	152.67	154.82	156.73	1.4454	-3.484	-0.83024	2.4483	1.8692
50	153.97	155.65	157.4	1.1231	153.6	155.38	157.04	0.9987	-3.1724	-0.26834	2.4478	1.6787
100	152.4	155.34	156.78	1.4213	152.04	153.7	156.1	1.223	-4.4212	-1.6419	-0.0496	1.468

Device Test: 14.13 UVLO_RISE_PVIN(THRESHOLD|RISE/PVIN/12////@UVLO_RISE_PVIN)





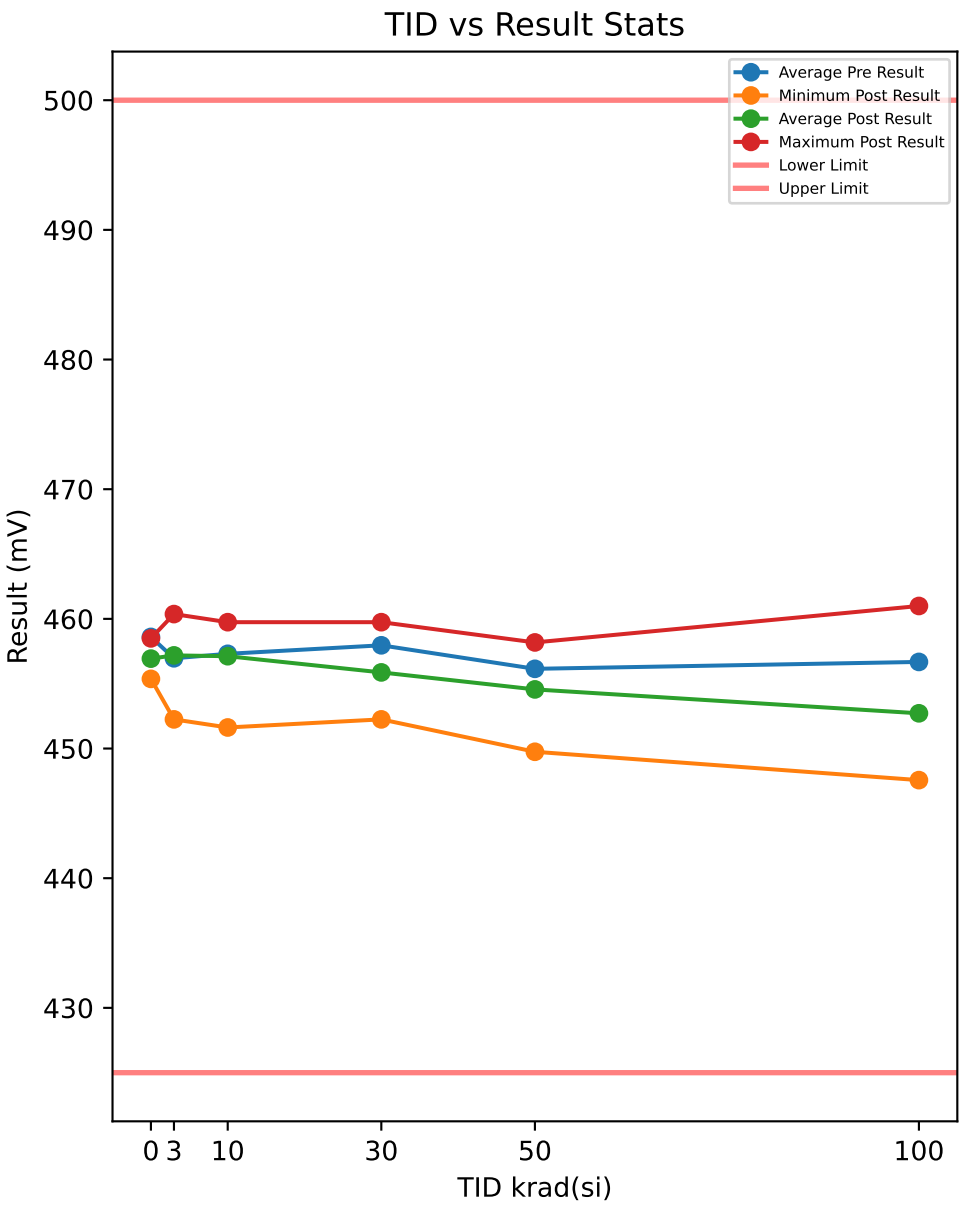
Test Results (Lower Limit = 3.2, Upper Limit = 3.6 (V))

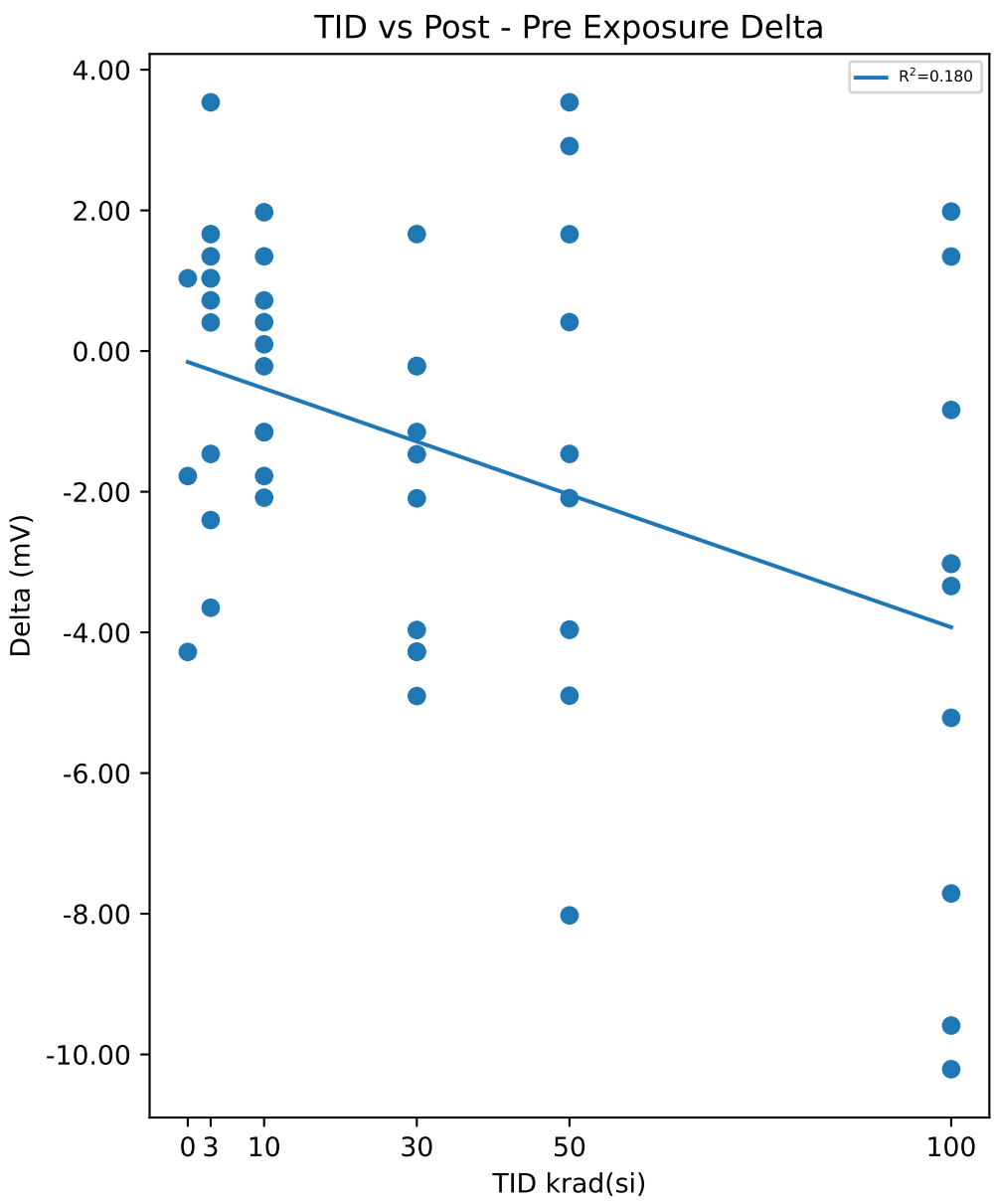
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
390	100	Biased	3.4571	3.4172	-0.0399
392	100	Biased	3.4668	3.4169	-0.0499
393	100	Biased	3.4715	3.4184	-0.0531
394	100	Biased	3.4434	3.4075	-0.0359
395	100	Biased	3.4768	3.4372	-0.0396
412	100	Unbiased	3.4312	3.4247	-0.0065
413	100	Unbiased	3.4565	3.4487	-0.0078
414	100	Unbiased	3.4599	3.4572	-0.0027
415	100	Unbiased	3.4574	3.4609	0.0035
416	100	Unbiased	3.4678	3.4671	-0.0007
417	50	Biased	3.4593	3.4378	-0.0215
418	50	Biased	3.4484	3.4225	-0.0259
419	50	Biased	3.4637	3.4331	-0.0306
421	50	Biased	3.4509	3.4275	-0.0234
422	50	Biased	3.4606	3.4265	-0.0341
423	50	Unbiased	3.4534	3.4512	-0.0022
424	50	Unbiased	3.4427	3.4472	0.0045
425	50	Unbiased	3.4574	3.4559	-0.0015
426	50	Unbiased	3.4521	3.454	0.0019
427	50	Unbiased	3.4678	3.4643	-0.0035
463	0	Corr	3.4706	3.4712	0.0006
464	0	Corr	3.4537	3.4512	-0.0025
465	0	Corr	3.4599	3.4593	-0.0006
466	30	Biased	3.4728	3.4547	-0.0181
469	30	Biased	3.4615	3.4481	-0.0134
470	30	Biased	3.4412	3.4278	-0.0134
472	30	Biased	3.4449	3.4269	-0.018
474	30	Biased	3.4549	3.4387	-0.0162
475	30	Unbiased	3.4609	3.459	-0.0019
477	30	Unbiased	3.4656	3.459	-0.0066
478	30	Unbiased	3.4687	3.4622	-0.0065
479	30	Unbiased	3.4731	3.4712	-0.0019
480	30	Unbiased	3.4402	3.4369	-0.0033
481	10	Biased	3.4506	3.4465	-0.0041
482	10	Biased	3.4615	3.455	-0.0065
483	10	Biased	3.459	3.4509	-0.0081
484	10	Biased	3.4559	3.449	-0.0069
485	10	Biased	3.4774	3.4681	-0.0093
487	10	Unbiased	3.4681	3.4659	-0.0022
488	10	Unbiased	3.4568	3.455	-0.0018
489	10	Unbiased	3.464	3.4606	-0.0034
490	10	Unbiased	3.4634	3.4584	-0.005
491	10	Unbiased	3.4684	3.4675	-0.0009
492	3	Biased	3.4431	3.4406	-0.0025
493	3	Biased	3.4549	3.4522	-0.0027
494	3	Biased	3.4784	3.4781	-0.0003
495	3	Biased	3.4502	3.4497	-0.0005
496	3	Biased	3.4502	3.4462	-0.004
497	3	Unbiased	3.4703	3.4721	0.0018
498	3	Unbiased	3.4706	3.47	-0.0006
499	3	Unbiased	3.4571	3.4597	0.0026
500	3	Unbiased	3.4584	3.4575	-0.0009
502	3	Unbiased	3.4731	3.4725	-0.0006

Test Statistics (V)

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	3.4537	3.4614	3.4706	0.0085493	3.4512	3.4606	3.4712	0.01006	-0.0025	-0.00083333	0.0006	0.0015631
3	3.4431	3.4606	3.4784	0.011735	3.4406	3.4599	3.4781	0.012781	-0.004	-0.00077	0.0026	0.0019855
10	3.4506	3.4625	3.4774	0.0076169	3.4465	3.4577	3.4681	0.0077624	-0.0093	-0.00482	-0.0009	0.0028264
30	3.4402	3.4584	3.4731	0.012556	3.4269	3.4484	3.4712	0.01523	-0.0181	-0.00993	-0.0019	0.0065916
50	3.4427	3.4556	3.4678	0.0075557	3.4225	3.442	3.4643	0.014429	-0.0341	-0.01363	0.0045	0.014777
100	3.4312	3.4588	3.4768	0.013501	3.4075	3.4356	3.4671	0.021514	-0.0531	-0.02326	0.0035	0.02229

Device Test: 14.15 UVLO_HYST_PVIN(THRESHOLD|HYST/PVIN/12////@UVLO_HYST_PVIN)





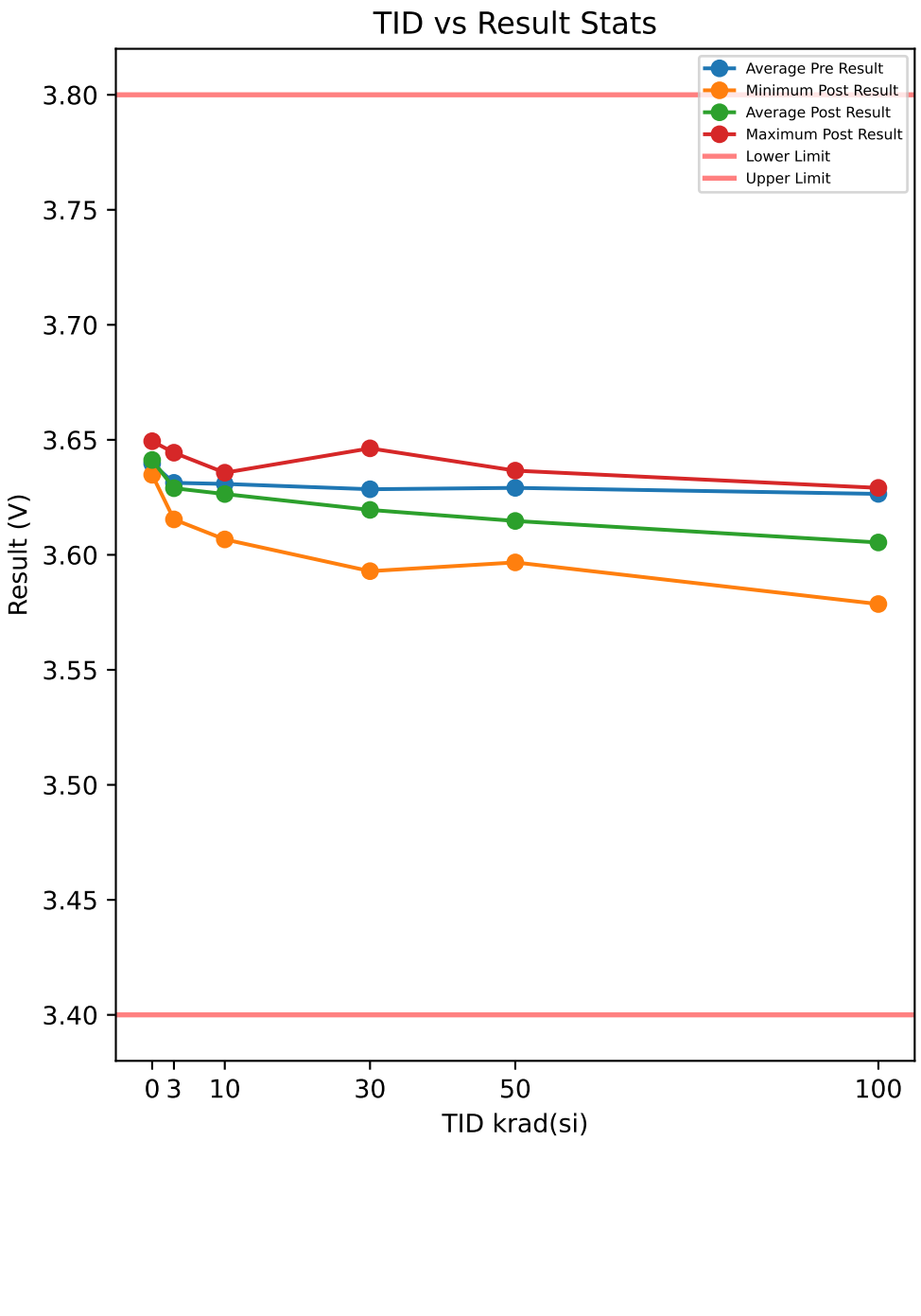
Test Results (Lower Limit = 425.0, Upper Limit = 500.0 (mV))

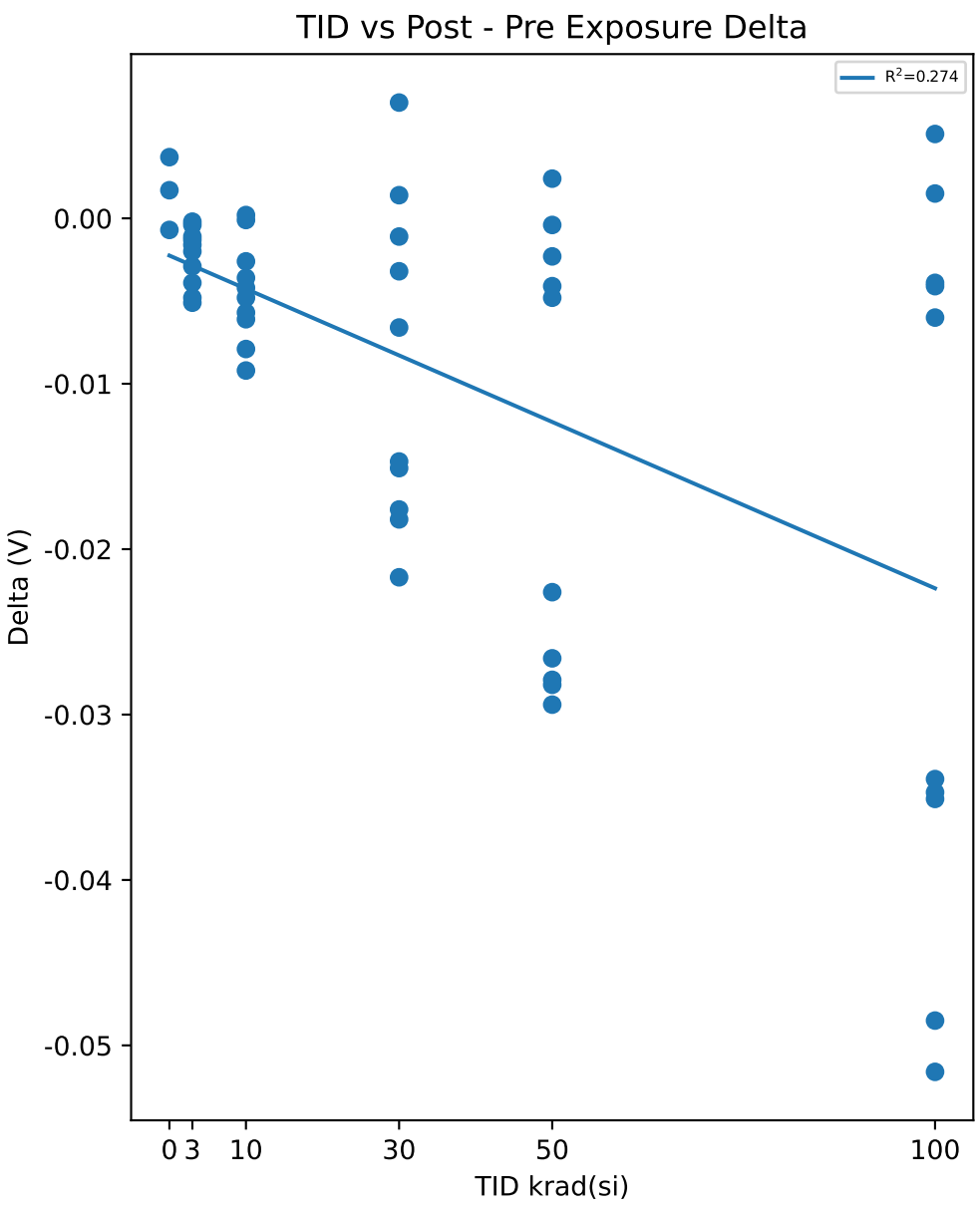
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
390	100	Biased	457.77	447.56	-10.21
392	100	Biased	458.71	451	-7.7121
393	100	Biased	461.53	451.94	-9.5894
394	100	Biased	452.46	449.44	-3.0203
395	100	Biased	459.34	456	-3.3405
412	100	Unbiased	446.83	448.81	1.9834
413	100	Unbiased	458.4	453.18	-5.2138
414	100	Unbiased	457.15	454.12	-3.0255
415	100	Unbiased	454.96	454.12	-0.8368
416	100	Unbiased	459.65	460.99	1.3442
417	50	Biased	456.21	454.75	-1.4627
418	50	Biased	456.83	451.94	-4.8992
419	50	Biased	457.77	449.75	-8.0235
421	50	Biased	455.27	451.31	-3.9602
422	50	Biased	456.83	452.87	-3.962
423	50	Unbiased	456.21	456.62	0.4115
424	50	Unbiased	454.65	458.18	3.5364
425	50	Unbiased	455.58	457.25	1.661
426	50	Unbiased	452.77	455.68	2.9137
427	50	Unbiased	459.34	457.25	-2.0912
463	0	Corr	457.46	458.49	1.0345
464	0	Corr	459.65	455.37	-4.2777
465	0	Corr	458.71	456.93	-1.7776
466	30	Biased	461.53	456.62	-4.9047
469	30	Biased	458.4	454.12	-4.2762
470	30	Biased	454.02	455.68	1.663
472	30	Biased	456.52	452.25	-4.2739
474	30	Biased	456.21	455.06	-1.1506
475	30	Unbiased	457.15	456.93	-0.2146
477	30	Unbiased	459.96	458.49	-1.467
478	30	Unbiased	459.65	455.68	-3.9654
479	30	Unbiased	461.84	459.74	-2.094
480	30	Unbiased	454.33	454.12	-0.2112
481	10	Biased	454.96	456.93	1.9739
482	10	Biased	459.02	457.87	-1.154
483	10	Biased	457.46	455.68	-1.7767
484	10	Biased	453.71	451.62	-2.0845
485	10	Biased	456.83	457.25	0.4108
487	10	Unbiased	458.4	458.18	-0.216
488	10	Unbiased	457.77	456.62	-1.1523
489	10	Unbiased	458.4	458.49	0.0964
490	10	Unbiased	457.46	458.81	1.3466
491	10	Unbiased	459.02	459.74	0.72
492	3	Biased	454.02	455.68	1.6632
493	3	Biased	458.71	456.31	-2.4027
494	3	Biased	458.71	459.43	0.7208
495	3	Biased	455.9	456.93	1.0361
496	3	Biased	455.9	454.43	-1.4625
497	3	Unbiased	459.96	460.37	0.407
498	3	Unbiased	458.71	459.74	1.0331
499	3	Unbiased	454.33	457.87	3.5367
500	3	Unbiased	455.9	452.25	-3.649
502	3	Unbiased	457.46	458.81	1.3466

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	457.46	458.61	459.65	1.0982	455.37	456.93	458.49	1.5617	-4.2777	-1.6736	1.0345	2.6576
3	454.02	456.96	459.96	2.0382	452.25	457.18	460.37	2.5789	-3.649	0.22293	3.5367	2.1251
10	453.71	457.3	459.02	1.7395	451.62	457.12	459.74	2.258	-2.0845	-0.18358	1.9739	1.3448
30	454.02	457.96	461.84	2.7742	452.25	455.87	459.74	2.1996	-4.9047	-2.0895	1.663	2.1957
50	452.77	456.15	459.34	1.7799	449.75	454.56	458.18	2.9158	-8.0235	-1.5876	3.5364	3.7266
100	446.83	456.68	461.53	4.2905	447.56	452.72	460.99	3.9376	-10.21	-3.962	1.9834	4.2394

Device Test: 14.16 UVLO_RISE_VIN(THRESHOLD|RISE/VIN/12////@UVLO_RISE_VIN)





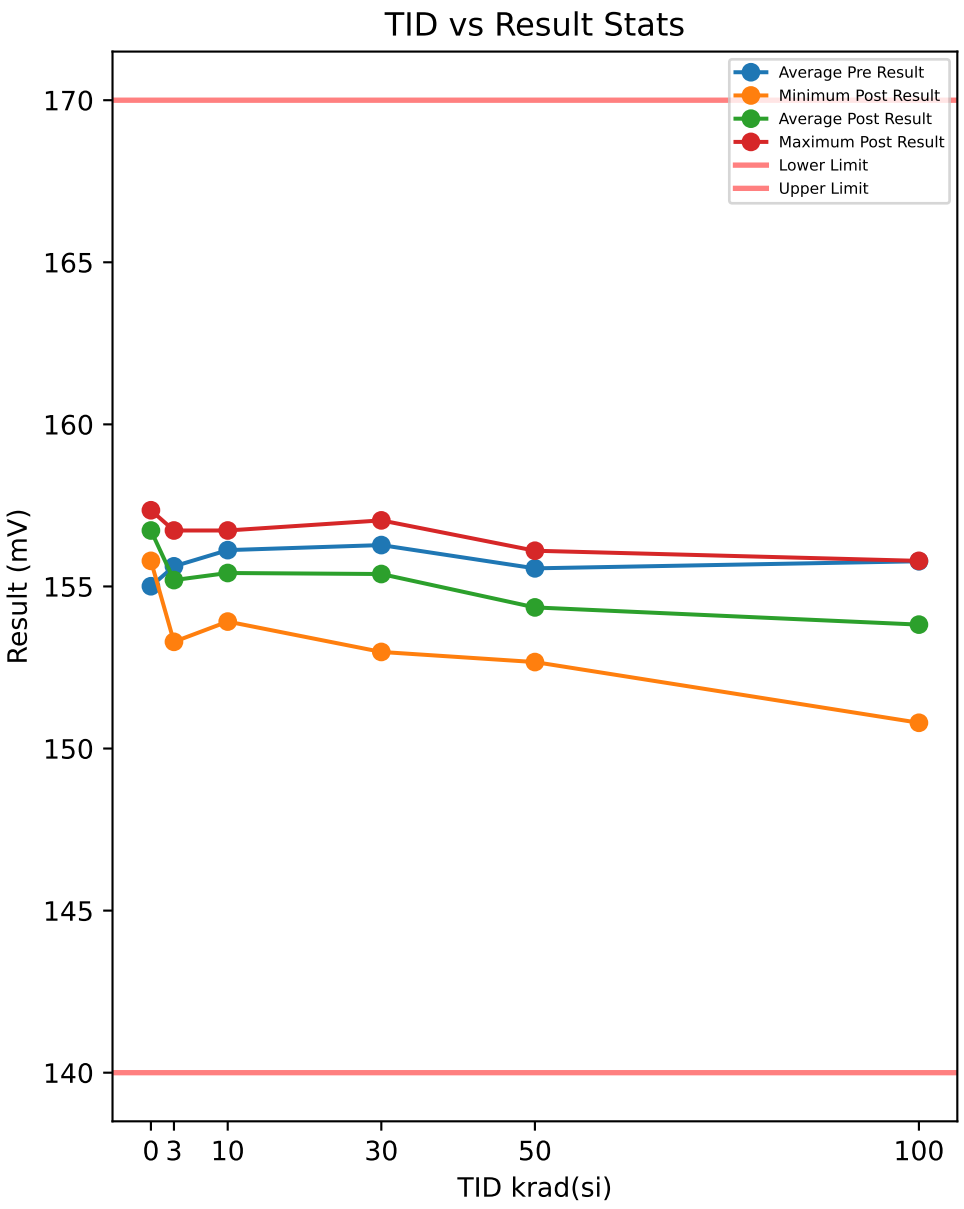
Test Results (Lower Limit = 3.4, Upper Limit = 3.8 (V))

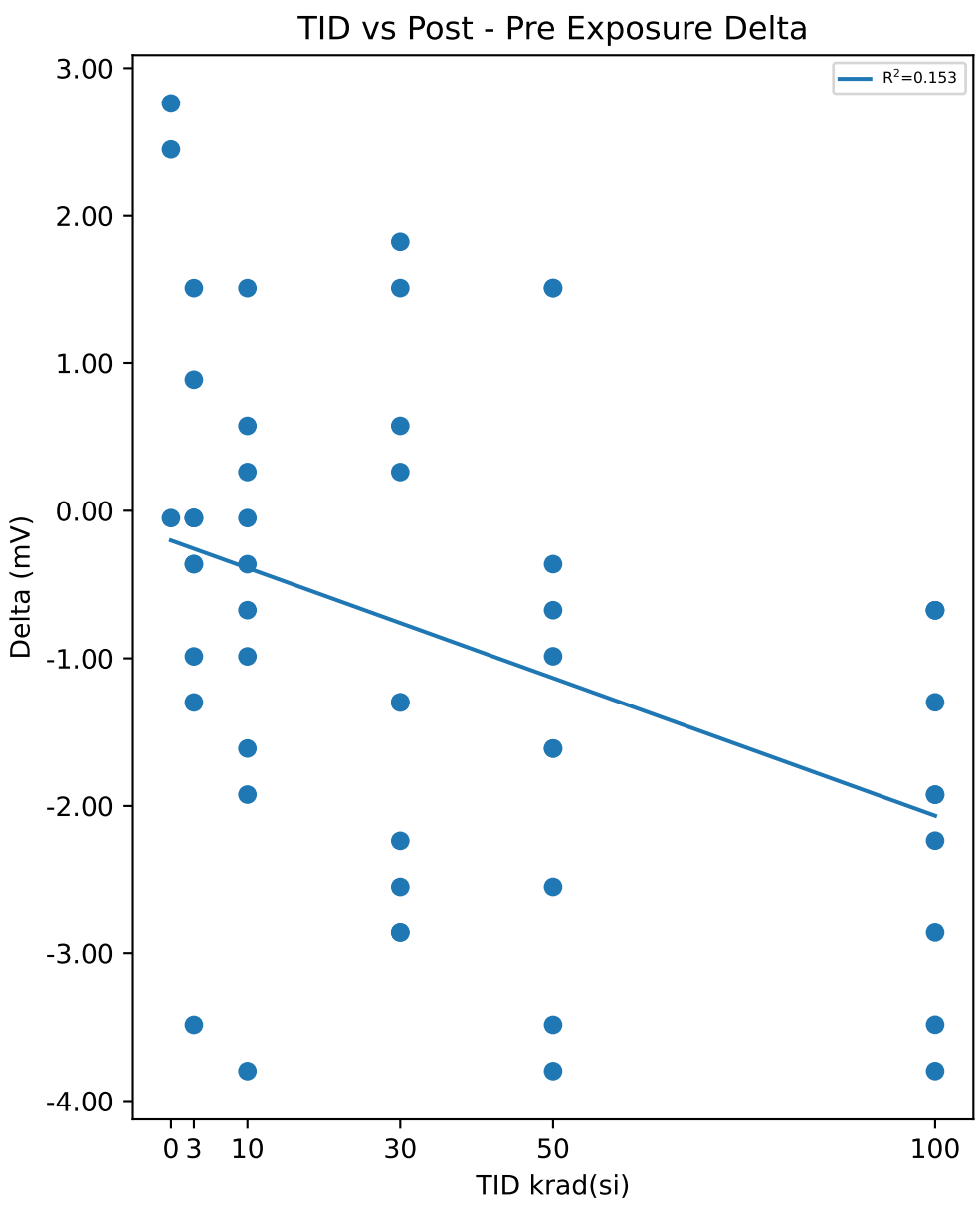
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
390	100	Biased	3.6271	3.5786	-0.0485
392	100	Biased	3.6383	3.5867	-0.0516
393	100	Biased	3.6302	3.5951	-0.0351
394	100	Biased	3.6268	3.5929	-0.0339
395	100	Biased	3.6414	3.6067	-0.0347
412	100	Unbiased	3.624	3.6291	0.0051
413	100	Unbiased	3.6099	3.6039	-0.006
414	100	Unbiased	3.629	3.6251	-0.0039
415	100	Unbiased	3.613	3.6089	-0.0041
416	100	Unbiased	3.6252	3.6267	0.0015
417	50	Biased	3.6286	3.6007	-0.0279
418	50	Biased	3.6311	3.6085	-0.0226
419	50	Biased	3.6346	3.6064	-0.0282
421	50	Biased	3.6339	3.6073	-0.0266
422	50	Biased	3.6261	3.5967	-0.0294
423	50	Unbiased	3.6208	3.6167	-0.0041
424	50	Unbiased	3.6152	3.6104	-0.0048
425	50	Unbiased	3.6358	3.6354	-0.0004
426	50	Unbiased	3.6261	3.6285	0.0024
427	50	Unbiased	3.6389	3.6366	-0.0023
463	0	Corr	3.6402	3.6395	-0.0007
464	0	Corr	3.6477	3.6494	0.0017
465	0	Corr	3.6311	3.6348	0.0037
466	30	Biased	3.6333	3.6182	-0.0151
469	30	Biased	3.6111	3.5929	-0.0182
470	30	Biased	3.6193	3.5976	-0.0217
472	30	Biased	3.6286	3.6139	-0.0147
474	30	Biased	3.6265	3.6089	-0.0176
475	30	Unbiased	3.6286	3.622	-0.0066
477	30	Unbiased	3.6474	3.6463	-0.0011
478	30	Unbiased	3.6321	3.6335	0.0014
479	30	Unbiased	3.6339	3.6307	-0.0032
480	30	Unbiased	3.6243	3.6313	0.007
481	10	Biased	3.6299	3.6238	-0.0061
482	10	Biased	3.6449	3.6357	-0.0092
483	10	Biased	3.6208	3.6151	-0.0057
484	10	Biased	3.6146	3.6067	-0.0079
485	10	Biased	3.6374	3.6338	-0.0036
487	10	Unbiased	3.6355	3.6357	0.0002
488	10	Unbiased	3.6255	3.6254	-0.0001
489	10	Unbiased	3.638	3.6354	-0.0026
490	10	Unbiased	3.6268	3.6226	-0.0042
491	10	Unbiased	3.6349	3.6301	-0.0048
492	3	Biased	3.6246	3.6217	-0.0029
493	3	Biased	3.6193	3.6154	-0.0039
494	3	Biased	3.6283	3.6235	-0.0048
495	3	Biased	3.6161	3.6157	-0.0004
496	3	Biased	3.6389	3.6376	-0.0013
497	3	Unbiased	3.648	3.6429	-0.0051
498	3	Unbiased	3.6446	3.6444	-0.0002
499	3	Unbiased	3.6283	3.6267	-0.0016
500	3	Unbiased	3.6377	3.6357	-0.002
502	3	Unbiased	3.6271	3.626	-0.0011

Test Statistics (V)

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	3.6311	3.6397	3.6477	0.0083128	3.6348	3.6412	3.6494	0.0074527	-0.0007	0.0015667	0.0037	0.002203
3	3.6161	3.6313	3.648	0.010594	3.6154	3.629	3.6444	0.010588	-0.0051	-0.00233	-0.0002	0.0017651
10	3.6146	3.6308	3.6449	0.0090703	3.6067	3.6264	3.6357	0.0097775	-0.0092	-0.0044	0.0002	0.0030478
30	3.6111	3.6285	3.6474	0.0096115	3.5929	3.6195	3.6463	0.016726	-0.0217	-0.00898	0.007	0.00975
50	3.6152	3.6291	3.6389	0.0072921	3.5967	3.6147	3.6366	0.014154	-0.0294	-0.01439	0.0024	0.013485
100	3.6099	3.6265	3.6414	0.0097033	3.5786	3.6054	3.6291	0.01748	-0.0516	-0.02112	0.0051	0.021694

Device Test: 14.18 UVLO_HYST_VIN(THRESHOLD|HYST/VIN/12////@UVLO_HYST_VIN)





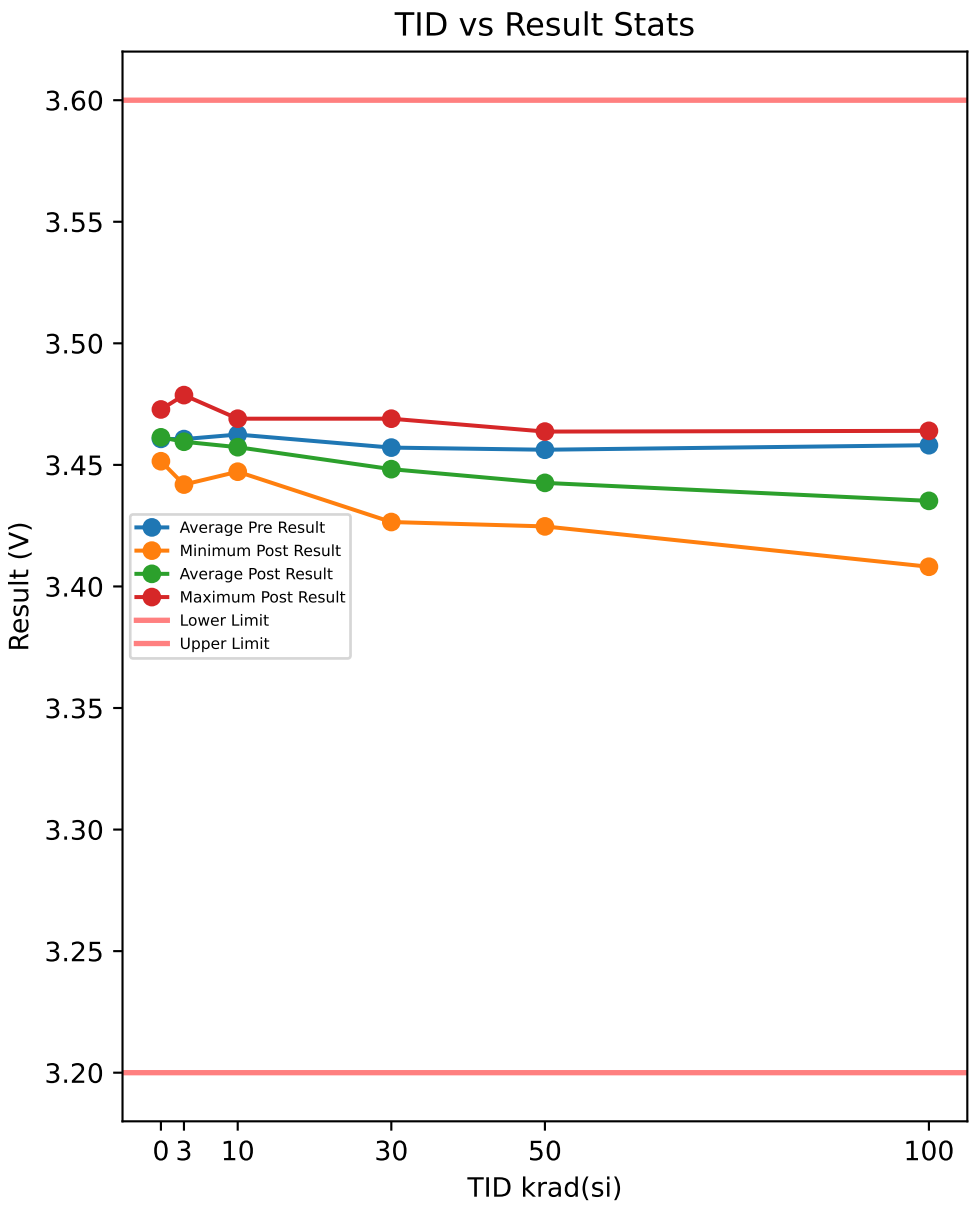
Test Results (Lower Limit = 140.0, Upper Limit = 170.0 (mV))

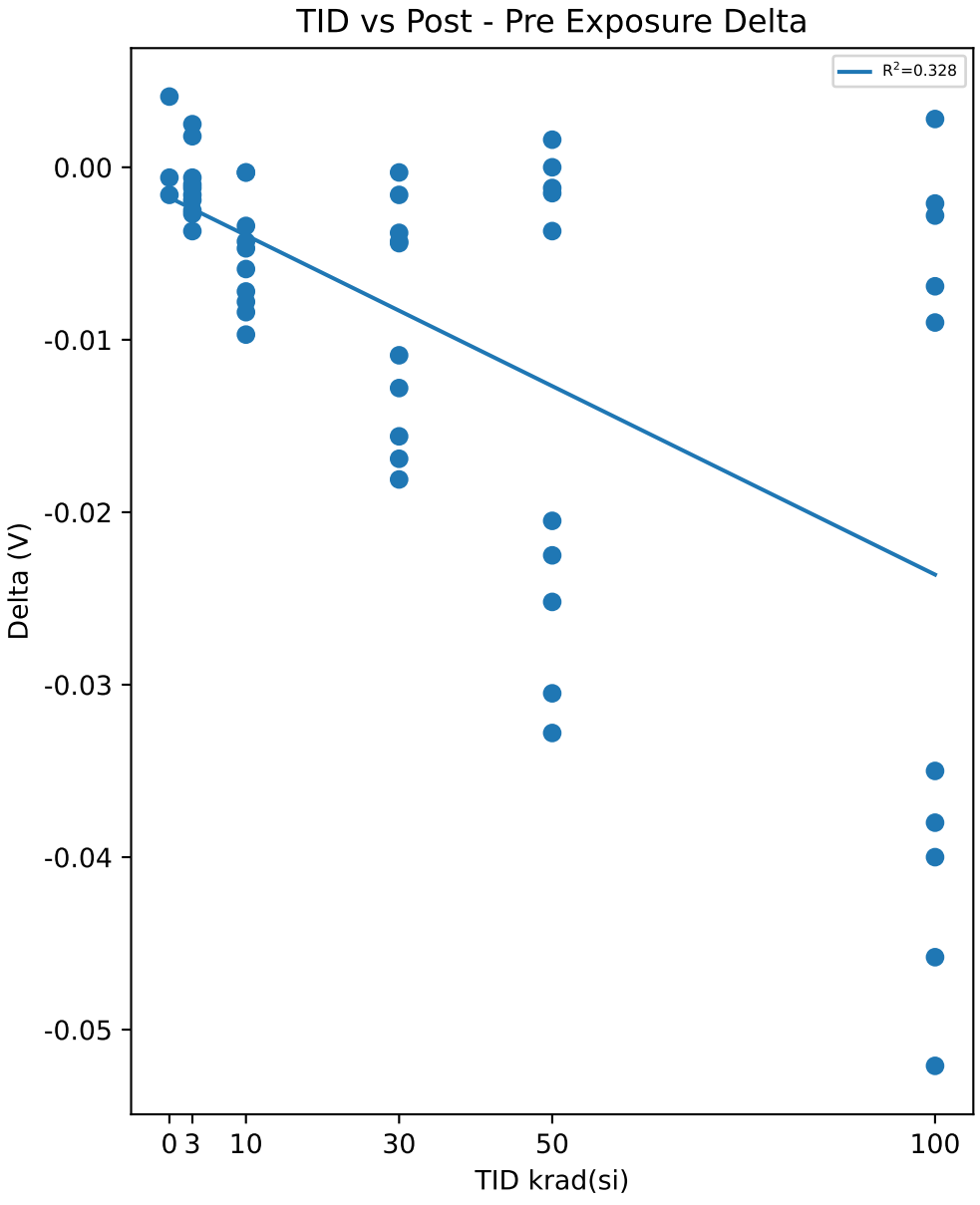
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
390	100	Biased	154.28	150.79	-3.4833
392	100	Biased	156.46	152.67	-3.7966
393	100	Biased	153.97	152.67	-1.2979
394	100	Biased	155.21	154.54	-0.674
395	100	Biased	156.46	155.79	-0.6748
412	100	Unbiased	156.15	154.23	-1.9233
413	100	Unbiased	156.15	153.92	-2.2351
414	100	Unbiased	154.9	154.23	-0.6743
415	100	Unbiased	156.46	153.6	-2.8596
416	100	Unbiased	157.71	155.79	-1.9238
417	50	Biased	157.09	155.48	-1.6113
418	50	Biased	154.59	156.1	1.5118
419	50	Biased	155.84	154.85	-0.9861
421	50	Biased	157.4	153.6	-3.797
422	50	Biased	154.59	153.92	-0.674
423	50	Unbiased	155.84	155.48	-0.3617
424	50	Unbiased	155.21	152.67	-2.5472
425	50	Unbiased	155.53	153.92	-1.611
426	50	Unbiased	153.34	154.85	1.5118
427	50	Unbiased	156.15	152.67	-3.4842
463	0	Corr	155.84	155.79	-0.05
464	0	Corr	154.59	157.04	2.4481
465	0	Corr	154.59	157.35	2.7606
466	30	Biased	156.78	157.04	0.262
469	30	Biased	155.84	152.98	-2.8596
470	30	Biased	156.46	153.92	-2.5475
472	30	Biased	154.59	155.16	0.5748
474	30	Biased	158.96	156.73	-2.2359
475	30	Unbiased	155.84	154.54	-1.2985
477	30	Unbiased	157.4	156.1	-1.2989
478	30	Unbiased	154.28	156.1	1.8241
479	30	Unbiased	157.4	154.54	-2.8603
480	30	Unbiased	155.21	156.73	1.5116
481	10	Biased	156.15	155.79	-0.3621
482	10	Biased	156.15	154.23	-1.9231
483	10	Biased	154.59	153.92	-0.6737
484	10	Biased	155.53	155.48	-0.0499
485	10	Biased	155.84	156.1	0.2623
487	10	Unbiased	155.21	156.73	1.5113
488	10	Unbiased	155.21	155.79	0.5746
489	10	Unbiased	158.96	155.17	-3.797
490	10	Unbiased	156.46	154.85	-1.611
491	10	Unbiased	157.09	156.1	-0.9868
492	3	Biased	155.53	155.16	-0.3619
493	3	Biased	156.46	155.16	-1.2989
494	3	Biased	156.78	153.29	-3.4843
495	3	Biased	155.84	156.73	0.8865
496	3	Biased	154.9	154.85	-0.0491
497	3	Unbiased	155.21	156.73	1.5114
498	3	Unbiased	154.59	154.54	-0.0494
499	3	Unbiased	156.78	155.79	-0.9869
500	3	Unbiased	155.84	155.79	-0.0498
502	3	Unbiased	154.28	153.92	-0.3615

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	154.59	155.01	155.84	0.72134	155.79	156.73	157.35	0.82604	-0.05	1.7196	2.7606	1.5404
3	154.28	155.62	156.78	0.88397	153.29	155.2	156.73	1.1155	-3.4843	-0.42439	1.5114	1.3474
10	154.59	156.12	158.96	1.2268	153.92	155.41	156.73	0.88054	-3.797	-0.70554	1.5113	1.4899
30	154.28	156.28	158.96	1.4289	152.98	155.38	157.04	1.3653	-2.8603	-0.89282	1.8241	1.8031
50	153.34	155.56	157.4	1.2091	152.67	154.35	156.1	1.1884	-3.797	-1.2049	1.5118	1.8211
100	153.97	155.78	157.71	1.1574	150.79	153.82	155.79	1.5083	-3.7966	-1.9543	-0.674	1.1536

Device Test: 14.19 UVLO_RISE_PVIN(THRESHOLD|RISE/PVIN/14////@UVLO_RISE_PVIN)





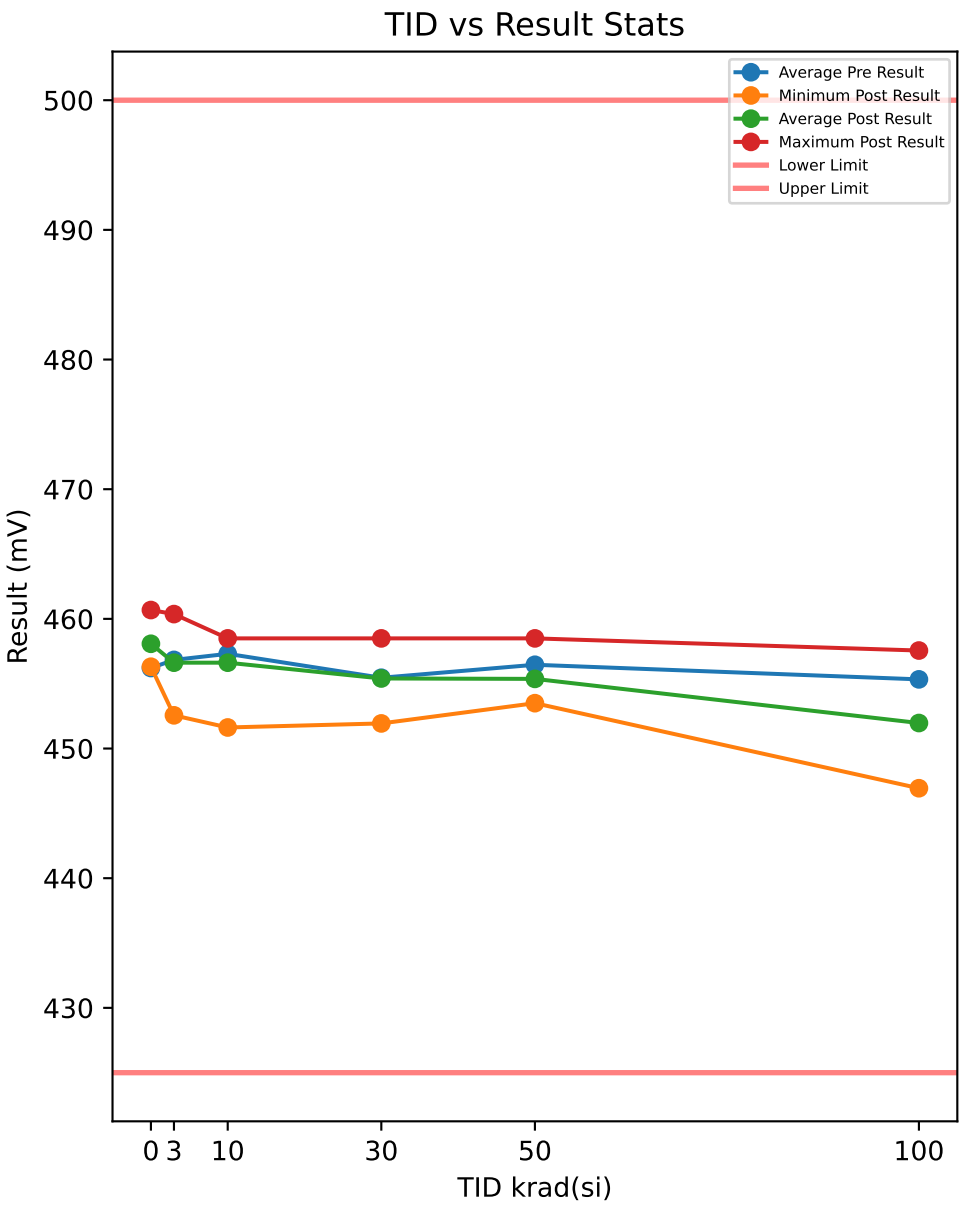
Test Results (Lower Limit = 3.2, Upper Limit = 3.6 (V))

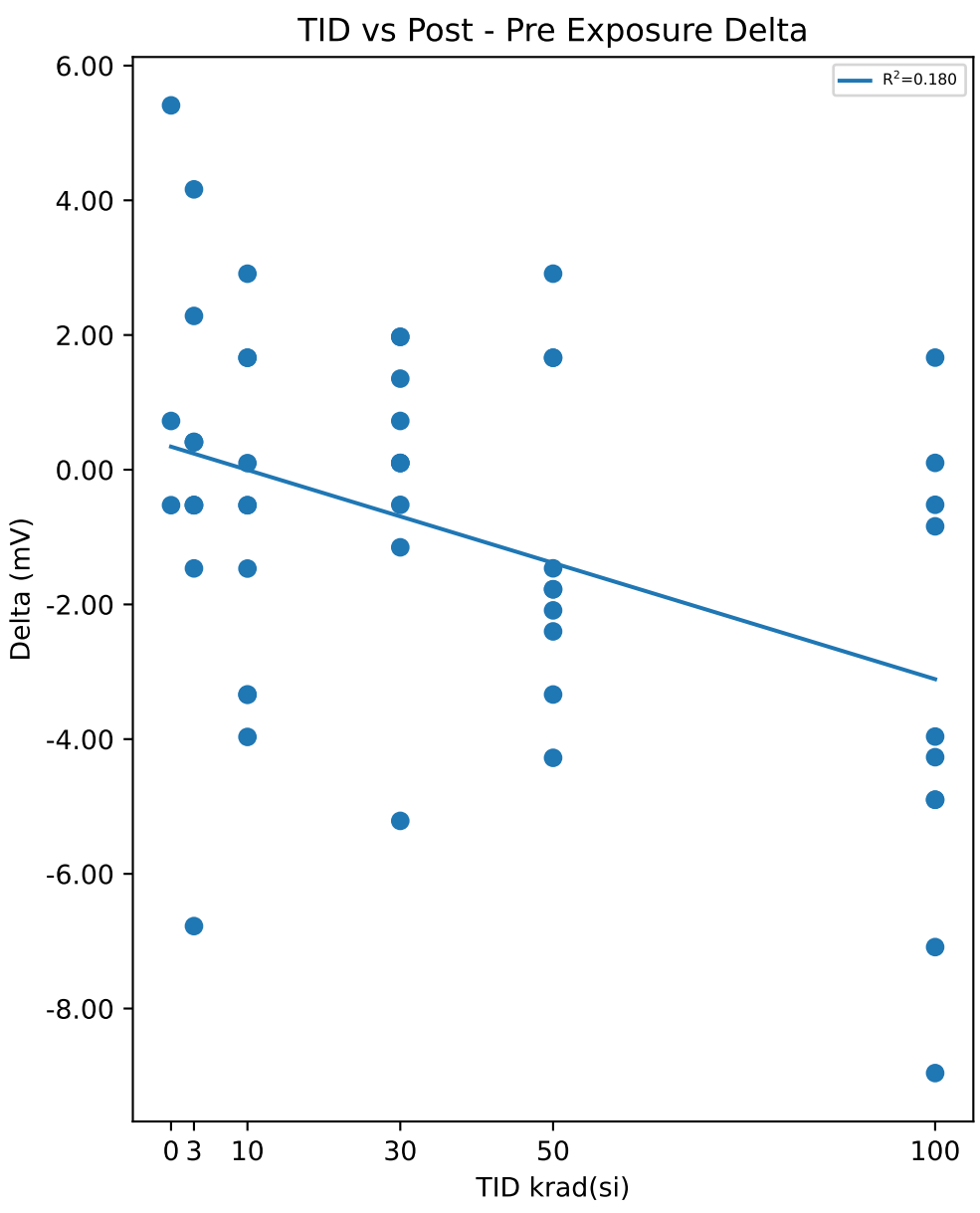
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
390	100	Biased	3.4549	3.4169	-0.038
392	100	Biased	3.4649	3.4191	-0.0458
393	100	Biased	3.4687	3.4166	-0.0521
394	100	Biased	3.4431	3.4081	-0.035
395	100	Biased	3.4762	3.4362	-0.04
412	100	Unbiased	3.4327	3.4237	-0.009
413	100	Unbiased	3.4556	3.4487	-0.0069
414	100	Unbiased	3.4596	3.4575	-0.0021
415	100	Unbiased	3.4584	3.4612	0.0028
416	100	Unbiased	3.4668	3.464	-0.0028
417	50	Biased	3.4603	3.4378	-0.0225
418	50	Biased	3.4499	3.4247	-0.0252
419	50	Biased	3.4649	3.4344	-0.0305
421	50	Biased	3.4499	3.4294	-0.0205
422	50	Biased	3.4615	3.4287	-0.0328
423	50	Unbiased	3.4549	3.4534	-0.0015
424	50	Unbiased	3.4421	3.4437	0.0016
425	50	Unbiased	3.4571	3.4559	-0.0012
426	50	Unbiased	3.4543	3.4543	0
427	50	Unbiased	3.4674	3.4637	-0.0037
463	0	Corr	3.4687	3.4728	0.0041
464	0	Corr	3.4531	3.4515	-0.0016
465	0	Corr	3.4603	3.4597	-0.0006
466	30	Biased	3.4706	3.455	-0.0156
469	30	Biased	3.459	3.4481	-0.0109
470	30	Biased	3.4406	3.4278	-0.0128
472	30	Biased	3.4434	3.4265	-0.0169
474	30	Biased	3.4568	3.4387	-0.0181
475	30	Unbiased	3.4631	3.4593	-0.0038
477	30	Unbiased	3.4634	3.459	-0.0044
478	30	Unbiased	3.4668	3.4625	-0.0043
479	30	Unbiased	3.4706	3.469	-0.0016
480	30	Unbiased	3.4368	3.4365	-0.0003
481	10	Biased	3.4506	3.4472	-0.0034
482	10	Biased	3.4593	3.4534	-0.0059
483	10	Biased	3.4615	3.4518	-0.0097
484	10	Biased	3.4562	3.449	-0.0072
485	10	Biased	3.4774	3.469	-0.0084
487	10	Unbiased	3.4684	3.4637	-0.0047
488	10	Unbiased	3.4559	3.4556	-0.0003
489	10	Unbiased	3.4609	3.4606	-0.0003
490	10	Unbiased	3.4653	3.4575	-0.0078
491	10	Unbiased	3.4693	3.465	-0.0043
492	3	Biased	3.4446	3.4419	-0.0027
493	3	Biased	3.4534	3.4528	-0.0006
494	3	Biased	3.4803	3.4787	-0.0016
495	3	Biased	3.4512	3.4493	-0.0019
496	3	Biased	3.4493	3.4456	-0.0037
497	3	Unbiased	3.4706	3.4696	-0.001
498	3	Unbiased	3.4678	3.4696	0.0018
499	3	Unbiased	3.4565	3.459	0.0025
500	3	Unbiased	3.459	3.4578	-0.0012
502	3	Unbiased	3.4734	3.4709	-0.0025

Test Statistics (V)

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	3.4531	3.4607	3.4687	0.0078077	3.4515	3.4613	3.4728	0.010744	-0.0016	0.00063333	0.0041	0.0030436
3	3.4446	3.4606	3.4803	0.011771	3.4419	3.4595	3.4787	0.012282	-0.0037	-0.00109	0.0025	0.0019382
10	3.4506	3.4625	3.4774	0.0078142	3.4472	3.4573	3.469	0.0072058	-0.0097	-0.0052	-0.0003	0.0032328
30	3.4368	3.4571	3.4706	0.012517	3.4265	3.4482	3.469	0.015046	-0.0181	-0.00887	-0.0003	0.0067281
50	3.4421	3.4562	3.4674	0.0076762	3.4247	3.4426	3.4637	0.01356	-0.0328	-0.01363	0.0016	0.013864
100	3.4327	3.4581	3.4762	0.012697	3.4081	3.4352	3.464	0.021063	-0.0521	-0.02289	0.0028	0.021056

Device Test: 14.21 UVLO_HYST_PVIN(THRESHOLD|HYST/PVIN/14////@UVLO_HYST_PVIN)





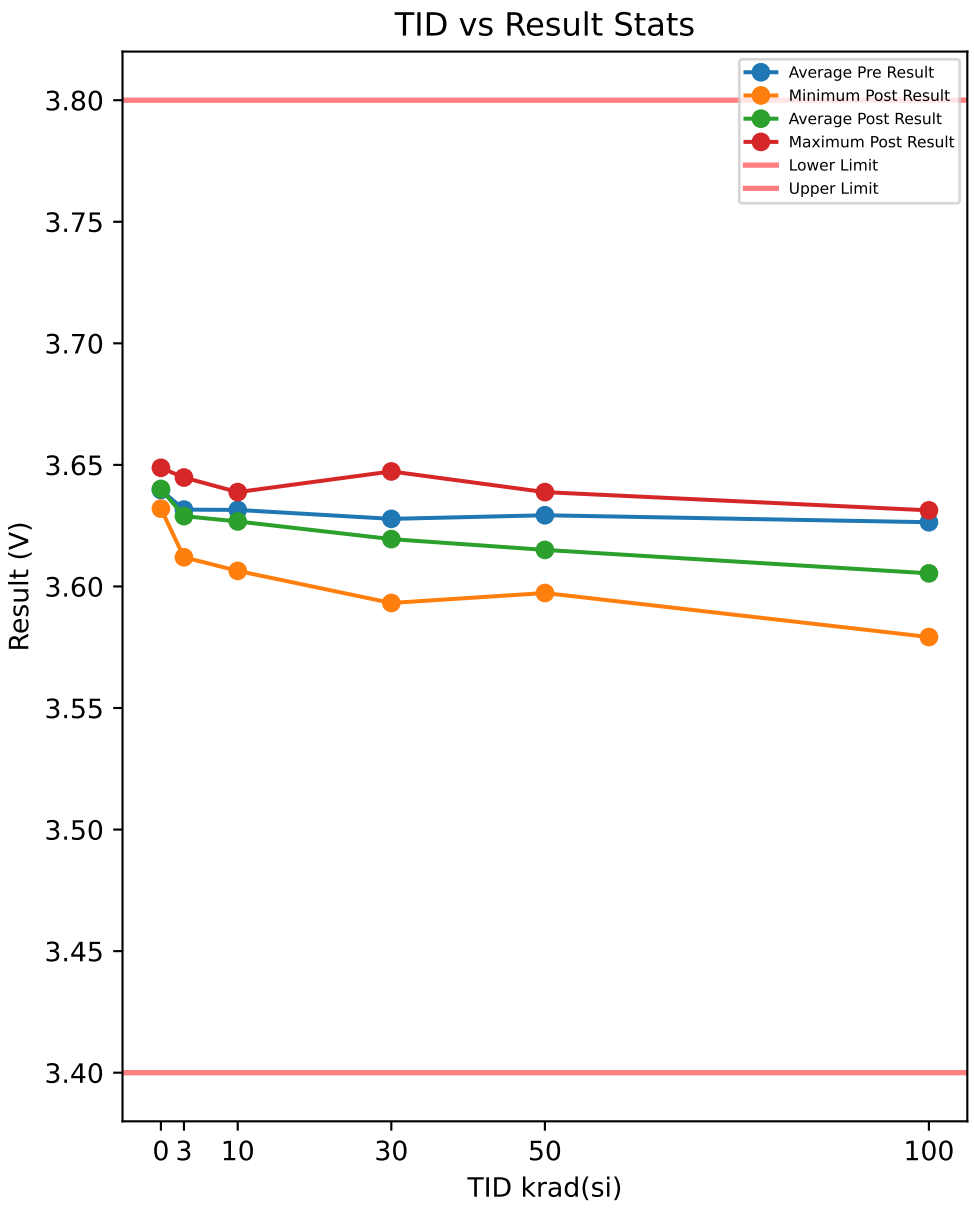
Test Results (Lower Limit = 425.0, Upper Limit = 500.0 (mV))

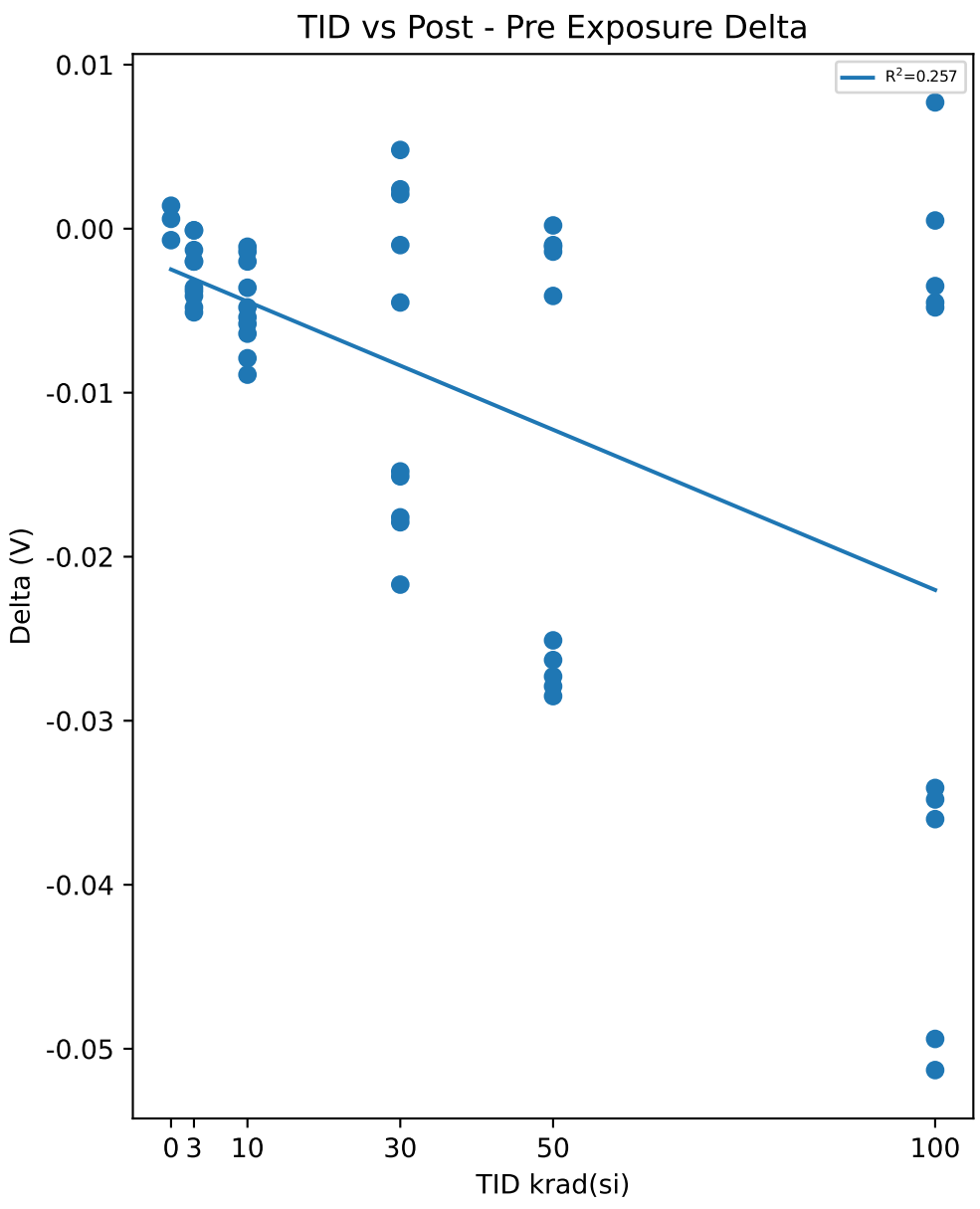
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
390	100	Biased	455.9	446.94	-8.9584
392	100	Biased	456.21	451.31	-4.8986
393	100	Biased	459.02	451.94	-7.0877
394	100	Biased	451.52	451	-0.5205
395	100	Biased	458.09	453.19	-4.9007
412	100	Unbiased	451.21	446.94	-4.2682
413	100	Unbiased	456.52	452.56	-3.9618
414	100	Unbiased	453.71	453.81	0.1015
415	100	Unbiased	452.77	454.43	1.6644
416	100	Unbiased	458.4	457.56	-0.8406
417	50	Biased	456.83	454.43	-2.4006
418	50	Biased	456.83	453.5	-3.3376
419	50	Biased	459.34	455.06	-4.2777
421	50	Biased	455.58	453.81	-1.7743
422	50	Biased	456.83	454.75	-2.0883
423	50	Unbiased	455.58	458.49	2.9107
424	50	Unbiased	453.71	455.37	1.6635
425	50	Unbiased	455.27	456.93	1.6613
426	50	Unbiased	457.46	455.68	-1.7765
427	50	Unbiased	457.15	455.68	-1.4641
463	0	Corr	455.27	460.68	5.4095
464	0	Corr	456.83	456.31	-0.5266
465	0	Corr	456.52	457.25	0.7238
466	30	Biased	457.77	456.62	-1.1523
469	30	Biased	452.46	453.81	1.3523
470	30	Biased	455.27	455.37	0.0997
472	30	Biased	452.46	451.94	-0.5214
474	30	Biased	458.71	453.5	-5.2139
475	30	Unbiased	456.52	456.62	0.0985
477	30	Unbiased	455.9	457.87	1.9731
478	30	Unbiased	455.58	456.31	0.7241
479	30	Unbiased	456.52	458.49	1.9724
480	30	Unbiased	453.4	453.5	0.1022
481	10	Biased	456.83	456.93	0.098
482	10	Biased	453.71	455.37	1.6635
483	10	Biased	457.46	456.93	-0.5271
484	10	Biased	454.96	451.62	-3.3355
485	10	Biased	459.96	458.49	-1.4675
487	10	Unbiased	457.15	456.62	-0.5271
488	10	Unbiased	455.58	457.25	1.6613
489	10	Unbiased	455.58	458.49	2.9104
490	10	Unbiased	461.21	457.25	-3.9673
491	10	Unbiased	460.59	457.25	-3.3422
492	3	Biased	458.71	457.25	-1.4653
493	3	Biased	454.33	454.75	0.4137
494	3	Biased	459.96	460.37	0.4067
495	3	Biased	456.21	456.62	0.4115
496	3	Biased	453.08	452.56	-0.5224
497	3	Unbiased	457.46	456.93	-0.5271
498	3	Unbiased	457.77	460.06	2.2833
499	3	Unbiased	453.4	457.56	4.1625
500	3	Unbiased	459.34	452.56	-6.7761
502	3	Unbiased	458.09	457.56	-0.5278

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	455.27	456.21	456.83	0.82727	456.31	458.08	460.68	2.3021	-0.5266	1.8689	5.4095	3.1293
3	453.08	456.83	459.96	2.4709	452.56	456.62	460.37	2.6786	-6.7761	-0.2141	4.1625	2.8182
10	453.71	457.3	461.21	2.5329	451.62	456.62	458.49	1.9698	-3.9673	-0.68335	2.9104	2.359
30	452.46	455.46	458.71	2.1268	451.94	455.4	458.49	2.1409	-5.2139	-0.05653	1.9731	2.0795
50	453.71	456.46	459.34	1.5162	453.5	455.37	458.49	1.4797	-4.2777	-1.0884	2.9107	2.3609
100	451.21	455.33	459.02	2.8651	446.94	451.97	457.56	3.2406	-8.9584	-3.3671	1.6644	3.3797

Device Test: 14.22 UVLO_RISE_VIN(THRESHOLD|RISE/VIN/14////@UVLO_RISE_VIN)





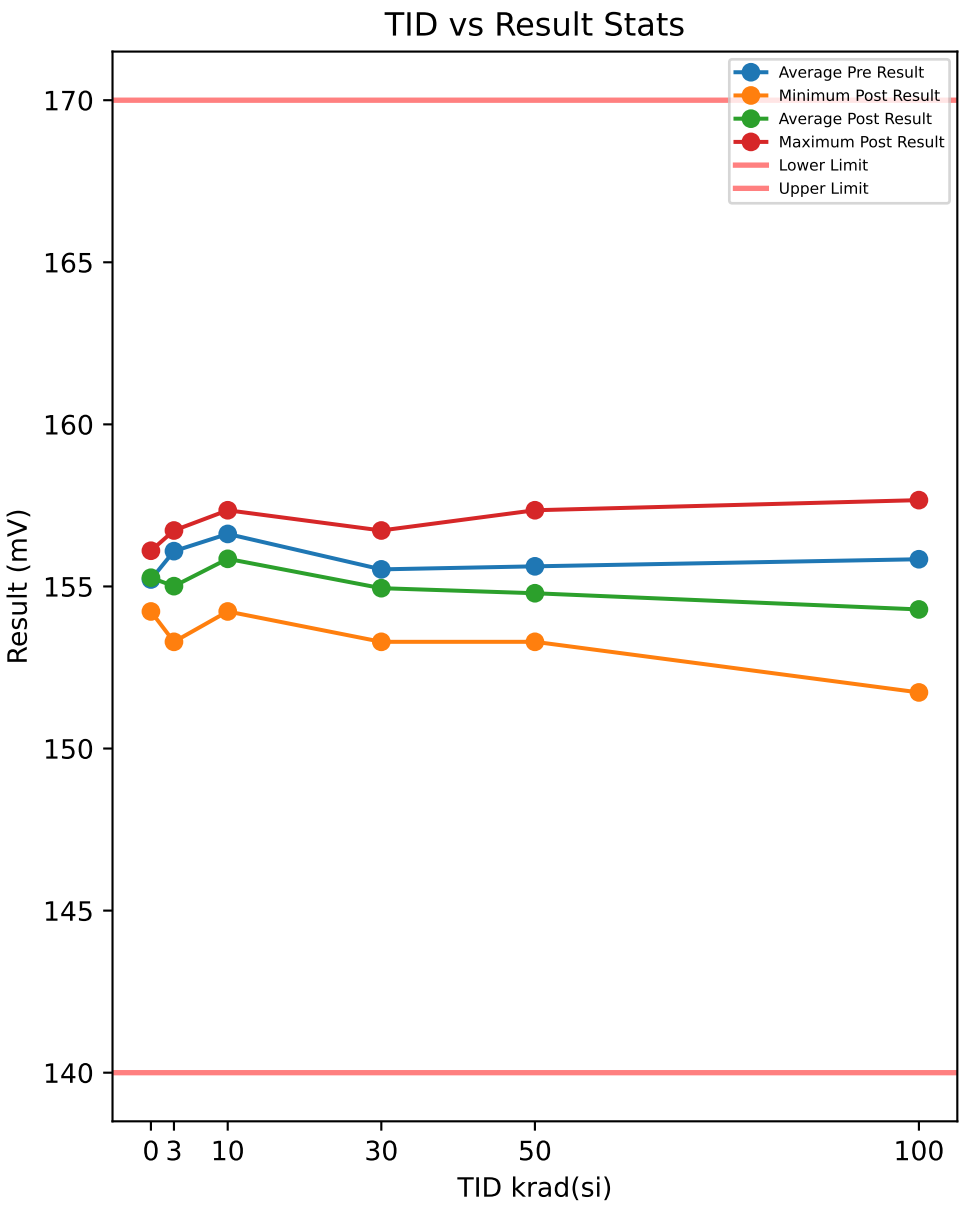
Test Results (Lower Limit = 3.4, Upper Limit = 3.8 (V))

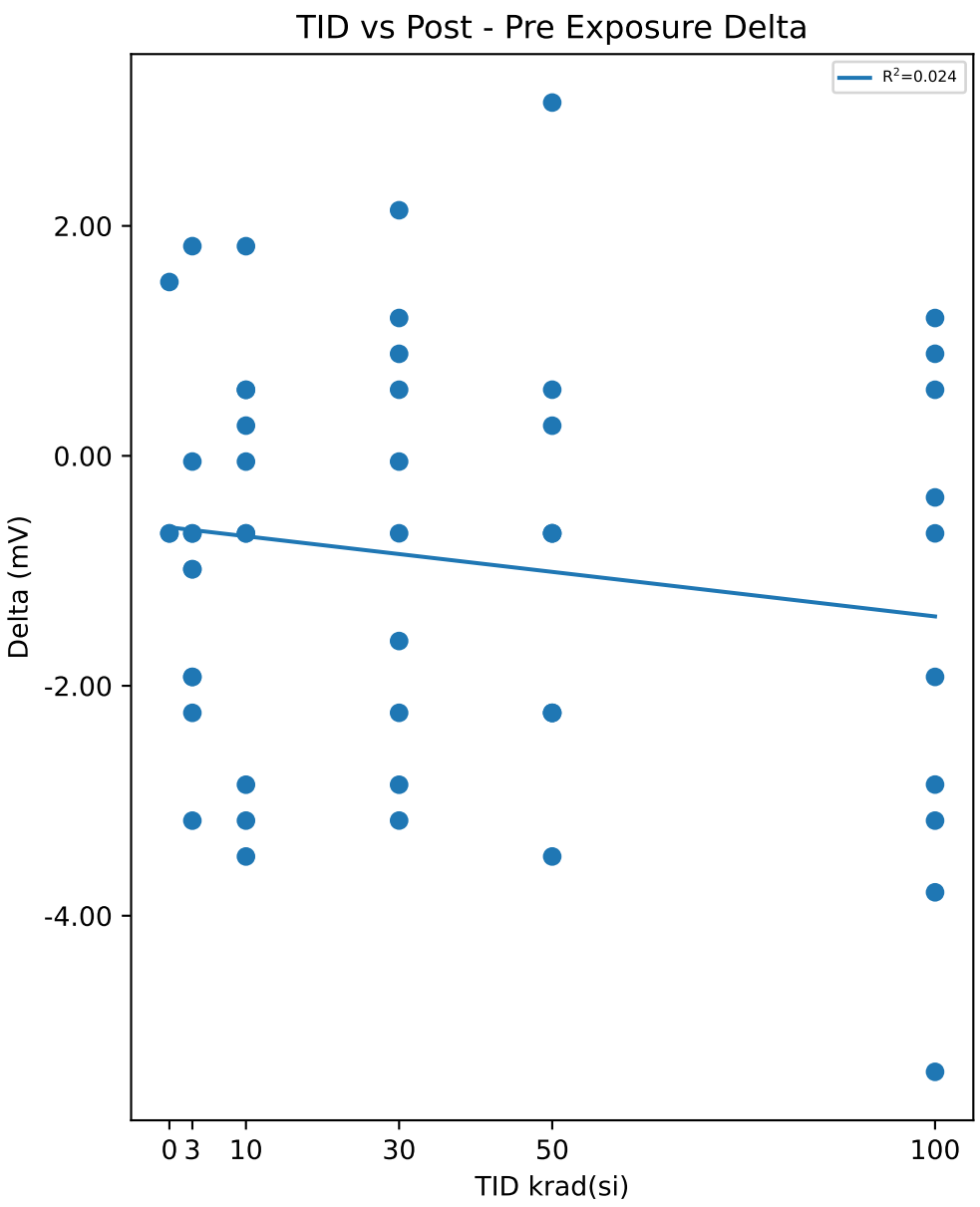
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
390	100	Biased	3.6286	3.5792	-0.0494
392	100	Biased	3.6386	3.5873	-0.0513
393	100	Biased	3.6305	3.5957	-0.0348
394	100	Biased	3.6271	3.5911	-0.036
395	100	Biased	3.6414	3.6073	-0.0341
412	100	Unbiased	3.6236	3.6313	0.0077
413	100	Unbiased	3.6071	3.6026	-0.0045
414	100	Unbiased	3.629	3.6242	-0.0048
415	100	Unbiased	3.6127	3.6092	-0.0035
416	100	Unbiased	3.6255	3.626	0.0005
417	50	Biased	3.6283	3.601	-0.0273
418	50	Biased	3.6305	3.6054	-0.0251
419	50	Biased	3.6339	3.606	-0.0279
421	50	Biased	3.6336	3.6073	-0.0263
422	50	Biased	3.6258	3.5973	-0.0285
423	50	Unbiased	3.6208	3.6167	-0.0041
424	50	Unbiased	3.6146	3.6148	0.0002
425	50	Unbiased	3.6361	3.6351	-0.001
426	50	Unbiased	3.6293	3.6279	-0.0014
427	50	Unbiased	3.6399	3.6388	-0.0011
463	0	Corr	3.6402	3.6395	-0.0007
464	0	Corr	3.6474	3.6488	0.0014
465	0	Corr	3.6314	3.632	0.0006
466	30	Biased	3.633	3.6179	-0.0151
469	30	Biased	3.6108	3.5932	-0.0176
470	30	Biased	3.6193	3.5976	-0.0217
472	30	Biased	3.6293	3.6145	-0.0148
474	30	Biased	3.6255	3.6076	-0.0179
475	30	Unbiased	3.6277	3.6232	-0.0045
477	30	Unbiased	3.6449	3.6473	0.0024
478	30	Unbiased	3.6324	3.6345	0.0021
479	30	Unbiased	3.6311	3.6301	-0.001
480	30	Unbiased	3.624	3.6288	0.0048
481	10	Biased	3.6302	3.6238	-0.0064
482	10	Biased	3.6446	3.6388	-0.0058
483	10	Biased	3.624	3.6151	-0.0089
484	10	Biased	3.6143	3.6064	-0.0079
485	10	Biased	3.6377	3.6341	-0.0036
487	10	Unbiased	3.6371	3.636	-0.0011
488	10	Unbiased	3.6265	3.6251	-0.0014
489	10	Unbiased	3.638	3.636	-0.002
490	10	Unbiased	3.628	3.6226	-0.0054
491	10	Unbiased	3.6343	3.6295	-0.0048
492	3	Biased	3.6246	3.6226	-0.002
493	3	Biased	3.6196	3.616	-0.0036
494	3	Biased	3.6283	3.6245	-0.0038
495	3	Biased	3.6161	3.612	-0.0041
496	3	Biased	3.6393	3.6373	-0.002
497	3	Unbiased	3.6477	3.6429	-0.0048
498	3	Unbiased	3.6449	3.6448	-0.0001
499	3	Unbiased	3.628	3.6267	-0.0013
500	3	Unbiased	3.6408	3.6357	-0.0051
502	3	Unbiased	3.6268	3.6267	-0.0001

Test Statistics (V)

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	3.6314	3.6397	3.6474	0.0080133	3.632	3.6401	3.6488	0.0084161	-0.0007	0.00043333	0.0014	0.0010599
3	3.6161	3.6316	3.6477	0.010853	3.612	3.6289	3.6448	0.010987	-0.0051	-0.00269	-0.0001	0.0018442
10	3.6143	3.6315	3.6446	0.0087084	3.6064	3.6267	3.6388	0.010309	-0.0089	-0.00473	-0.0011	0.0026837
30	3.6108	3.6278	3.6449	0.0090354	3.5932	3.6195	3.6473	0.016835	-0.0217	-0.00833	0.0048	0.010048
50	3.6146	3.6293	3.6399	0.0074631	3.5973	3.615	3.6388	0.014459	-0.0285	-0.01425	0.0002	0.013532
100	3.6071	3.6264	3.6414	0.01039	3.5792	3.6054	3.6313	0.017598	-0.0513	-0.02102	0.0077	0.022208

Device Test: 14.24 UVLO_HYST_VIN(THRESHOLD|HYST/VIN/14////@UVLO_HYST_VIN)





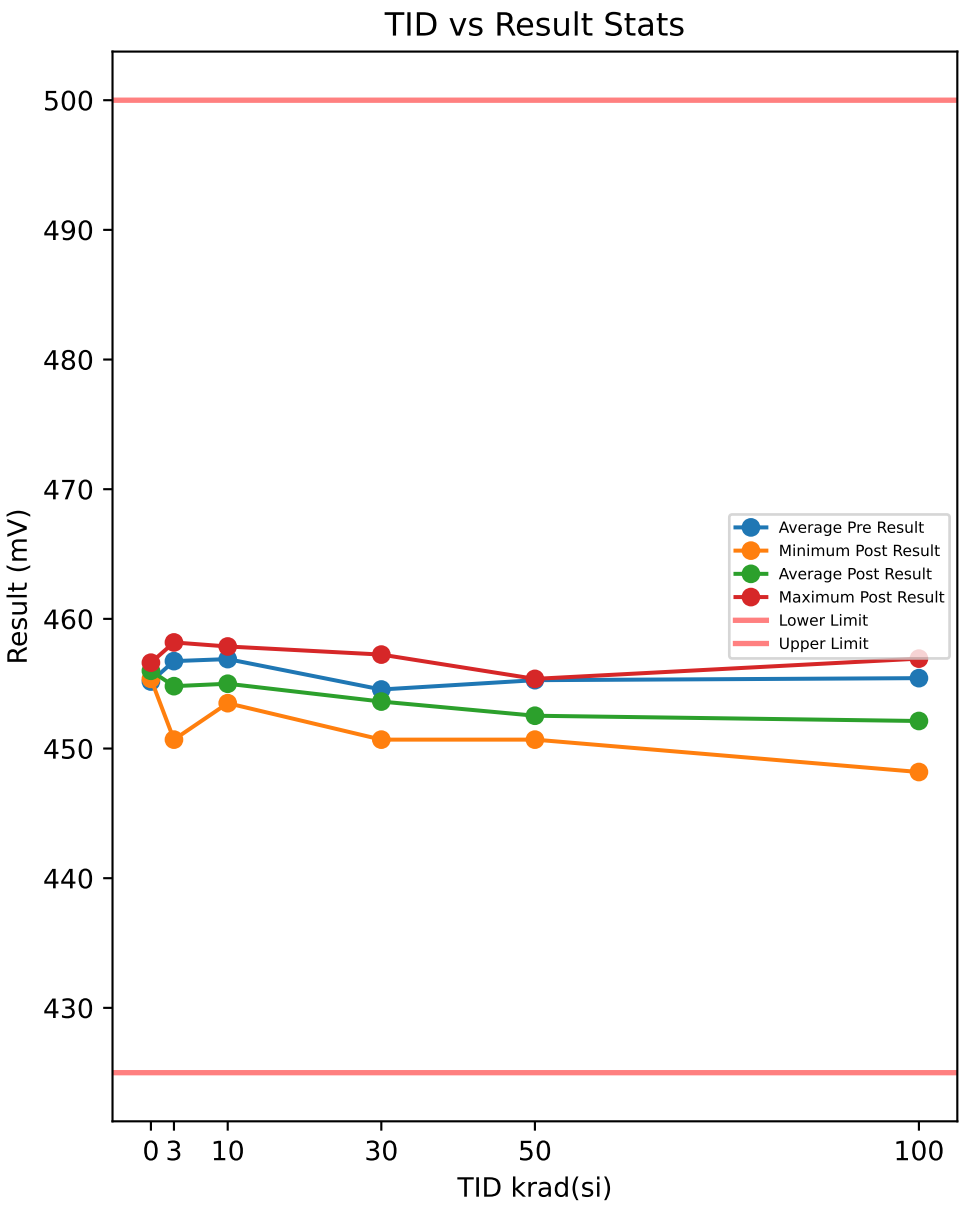
Test Results (Lower Limit = 140.0, Upper Limit = 170.0 (mV))

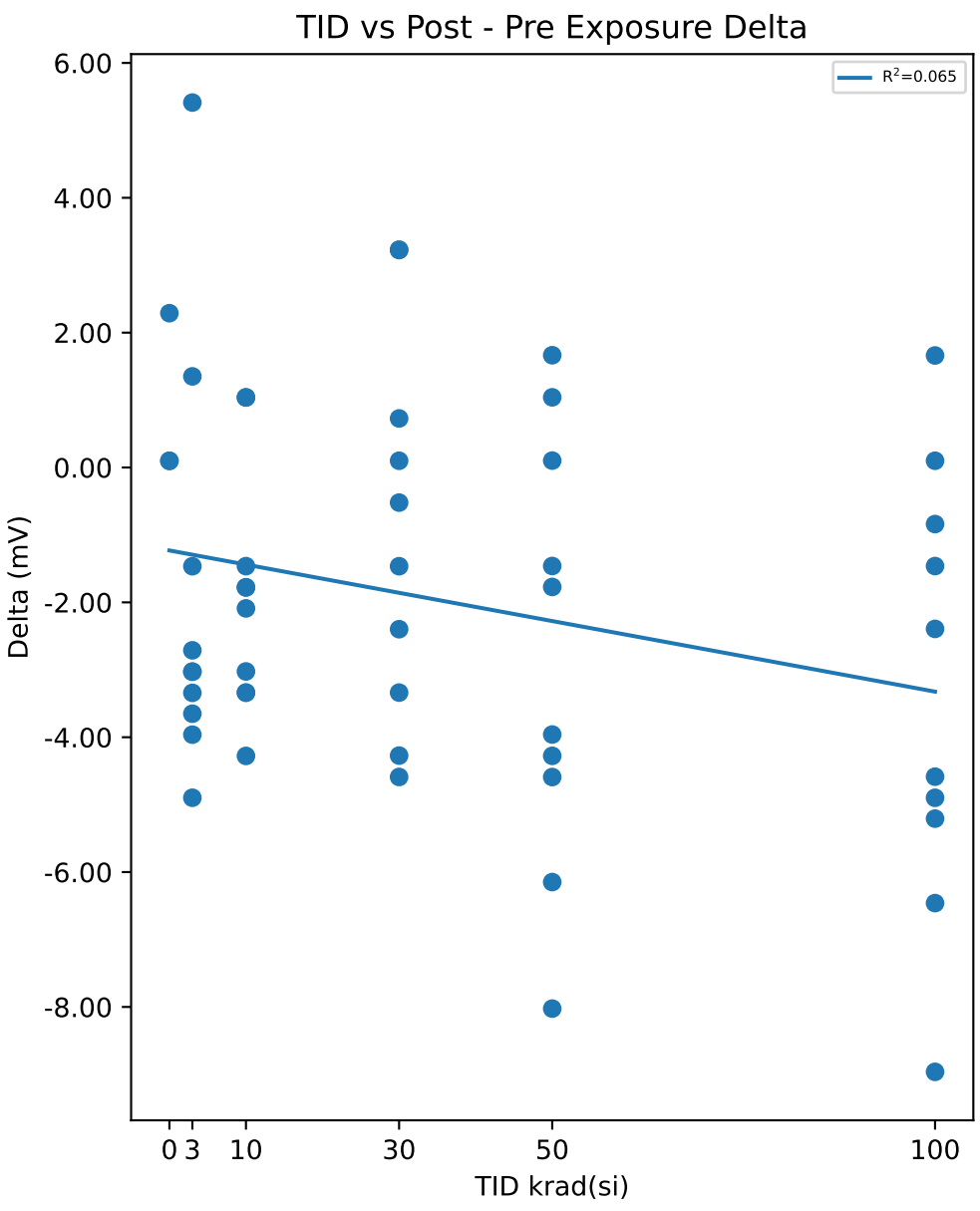
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
390	100	Biased	157.09	151.73	-5.3578
392	100	Biased	157.09	153.29	-3.7964
393	100	Biased	155.21	153.29	-1.9228
394	100	Biased	155.21	152.36	-2.8593
395	100	Biased	156.46	157.66	1.1987
412	100	Unbiased	155.84	156.41	0.5746
413	100	Unbiased	153.03	153.92	0.8876
414	100	Unbiased	154.59	154.23	-0.3617
415	100	Unbiased	155.84	155.16	-0.6744
416	100	Unbiased	158.03	154.85	-3.1727
417	50	Biased	156.78	156.1	-0.6743
418	50	Biased	153.97	153.29	-0.6736
419	50	Biased	154.9	155.16	0.2622
421	50	Biased	157.09	153.6	-3.4847
422	50	Biased	153.97	154.54	0.5753
423	50	Unbiased	155.84	155.16	-0.6742
424	50	Unbiased	154.28	157.35	3.0727
425	50	Unbiased	155.84	153.6	-2.2354
426	50	Unbiased	156.46	154.23	-2.2352
427	50	Unbiased	157.09	154.85	-2.2357
463	0	Corr	156.15	155.48	-0.6745
464	0	Corr	154.59	156.1	1.5118
465	0	Corr	154.9	154.23	-0.6743
466	30	Biased	155.53	156.73	1.199
469	30	Biased	155.53	153.29	-2.2352
470	30	Biased	156.78	153.6	-3.1722
472	30	Biased	155.53	155.48	-0.0499
474	30	Biased	157.71	154.85	-2.8606
475	30	Unbiased	154.9	155.48	0.575
477	30	Unbiased	154.9	155.79	0.8872
478	30	Unbiased	154.59	156.73	2.136
479	30	Unbiased	154.59	153.92	-0.6738
480	30	Unbiased	155.21	153.6	-1.6107
481	10	Biased	156.15	156.1	-0.05
482	10	Biased	155.53	157.35	1.8234
483	10	Biased	157.71	154.23	-3.4848
484	10	Biased	154.9	155.16	0.2628
485	10	Biased	156.15	156.73	0.5746
487	10	Unbiased	156.78	157.35	0.5741
488	10	Unbiased	155.84	155.16	-0.6742
489	10	Unbiased	158.96	155.79	-3.1726
490	10	Unbiased	157.71	154.85	-2.8603
491	10	Unbiased	156.46	155.79	-0.6745
492	3	Biased	155.84	154.85	-0.9863
493	3	Biased	156.78	154.85	-1.9231
494	3	Biased	156.46	154.54	-1.9228
495	3	Biased	155.53	153.29	-2.2354
496	3	Biased	155.53	154.85	-0.6745
497	3	Unbiased	154.9	156.73	1.8237
498	3	Unbiased	154.9	154.85	-0.0496
499	3	Unbiased	156.78	156.1	-0.6747
500	3	Unbiased	158.96	155.79	-3.1729
502	3	Unbiased	155.21	154.23	-0.9863

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	154.59	155.21	156.15	0.82627	154.23	155.27	156.1	0.95392	-0.6745	0.054333	1.5118	1.2622
3	154.9	156.09	158.96	1.2301	153.29	155.01	156.73	0.97905	-3.1729	-1.0802	1.8237	1.3734
10	154.9	156.62	158.96	1.2073	154.23	155.85	157.35	1.0489	-3.4848	-0.76815	1.8234	1.8091
30	154.59	155.53	157.71	0.99861	153.29	154.95	156.73	1.2919	-3.1722	-0.58052	2.136	1.827
50	153.97	155.62	157.09	1.2582	153.29	154.79	157.35	1.2471	-3.4847	-0.83029	3.0727	1.8692
100	153.03	155.84	158.03	1.4349	151.73	154.29	157.66	1.8073	-5.3578	-1.5484	1.1987	2.2167

Device Test: 14.3 UVLO_HYST_PVIN(THRESHOLD|HYST/PVIN/4.5////@UVLO_HYST_PVIN)





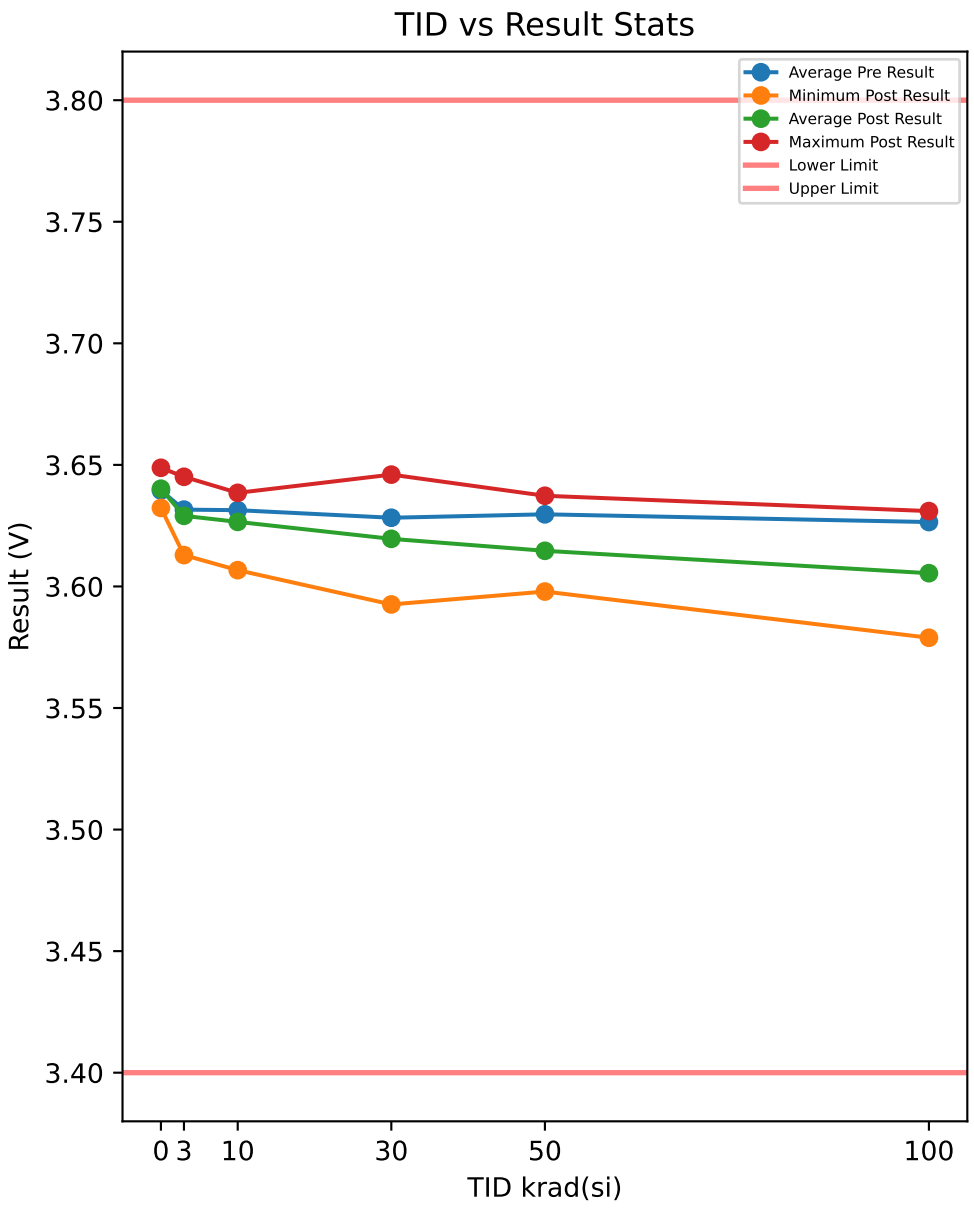
Test Results (Lower Limit = 425.0, Upper Limit = 500.0 (mV))

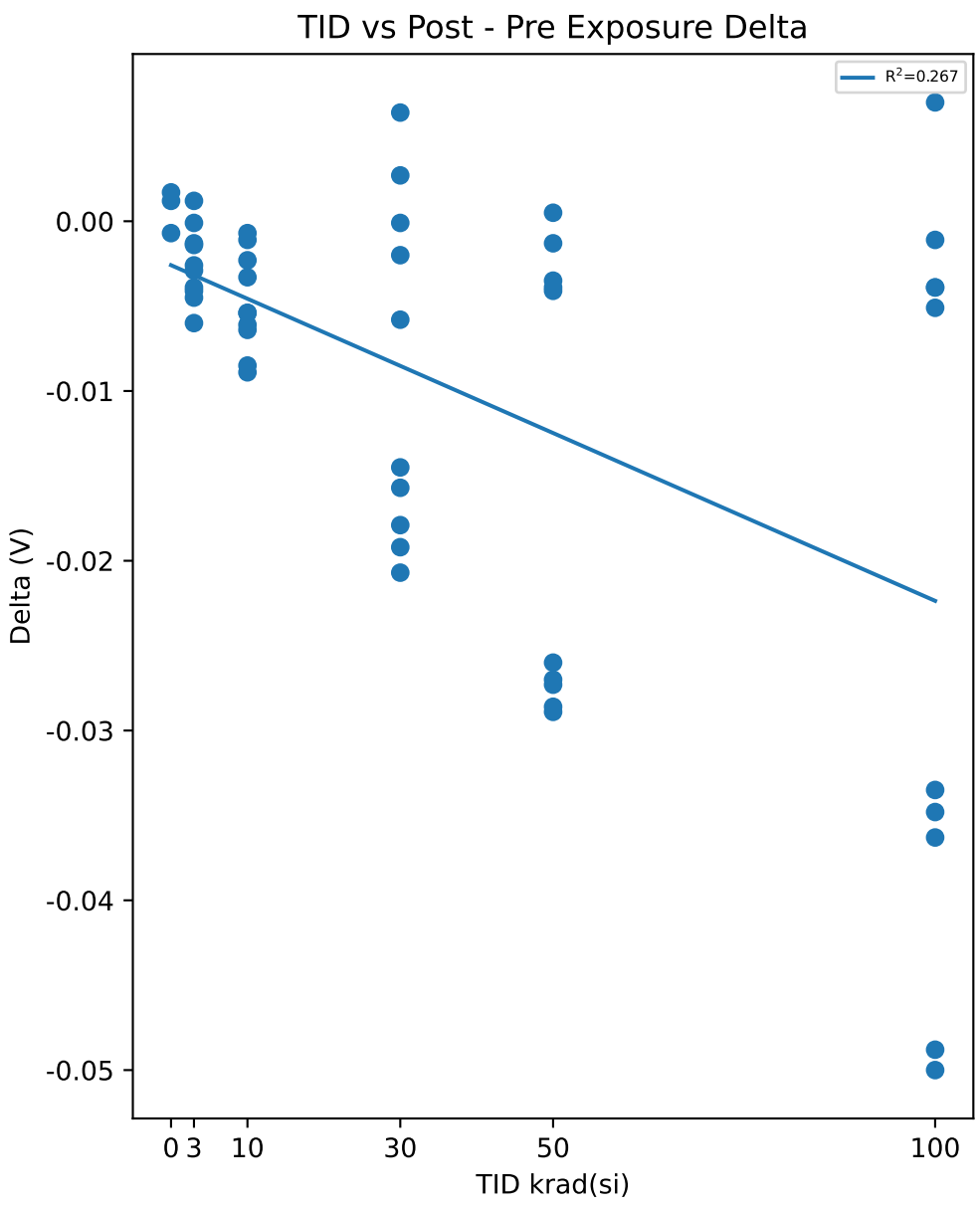
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
390	100	Biased	455.27	450.69	-4.585
392	100	Biased	456.21	449.75	-6.46
393	100	Biased	459.65	450.69	-8.9626
394	100	Biased	453.4	448.19	-5.2073
395	100	Biased	456.52	451.62	-4.8983
412	100	Unbiased	450.89	448.5	-2.3935
413	100	Unbiased	455.27	453.81	-1.4618
414	100	Unbiased	454.65	454.75	0.1004
415	100	Unbiased	455.27	456.93	1.6615
416	100	Unbiased	457.15	456.31	-0.839
417	50	Biased	453.08	451.31	-1.7715
418	50	Biased	456.83	450.69	-6.1481
419	50	Biased	458.71	450.69	-8.0246
421	50	Biased	451.52	452.56	1.0409
422	50	Biased	454.96	451	-3.9599
423	50	Unbiased	458.09	453.81	-4.2761
424	50	Unbiased	453.08	453.19	0.1025
425	50	Unbiased	451.83	453.5	1.6653
426	50	Unbiased	454.65	453.19	-1.4608
427	50	Unbiased	459.96	455.37	-4.5905
463	0	Corr	455.9	456	0.0997
464	0	Corr	453.08	455.37	2.2886
465	0	Corr	456.52	456.62	0.0985
466	30	Biased	457.15	455.68	-1.4641
469	30	Biased	454.96	450.69	-4.2724
470	30	Biased	451.52	451	-0.5205
472	30	Biased	448.71	451.94	3.2308
474	30	Biased	454.96	452.56	-2.398
475	30	Unbiased	459.34	454.75	-4.5893
477	30	Unbiased	454.96	455.06	0.1002
478	30	Unbiased	457.46	454.12	-3.3383
479	30	Unbiased	454.02	457.25	3.2246
480	30	Unbiased	452.46	453.19	0.7277
481	10	Biased	458.09	456	-2.0892
482	10	Biased	452.46	453.5	1.0402
483	10	Biased	455.9	454.43	-1.4627
484	10	Biased	456.52	453.5	-3.0244
485	10	Biased	456.83	455.06	-1.7757
487	10	Unbiased	454.02	455.06	1.0384
488	10	Unbiased	456.83	453.5	-3.3374
489	10	Unbiased	459.34	455.06	-4.2772
490	10	Unbiased	459.65	457.87	-1.7791
491	10	Unbiased	459.34	456	-3.3402
492	3	Biased	453.4	454.75	1.3516
493	3	Biased	455.58	452.87	-2.7112
494	3	Biased	460.9	457.56	-3.3419
495	3	Biased	455.58	450.69	-4.8976
496	3	Biased	456.52	452.56	-3.9618
497	3	Unbiased	452.77	458.18	5.4123
498	3	Unbiased	459.02	456	-3.028
499	3	Unbiased	458.09	454.43	-3.6511
500	3	Unbiased	458.71	455.68	-3.0274
502	3	Unbiased	456.83	455.37	-1.4639

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	453.08	455.17	456.52	1.832	455.37	456	456.62	0.62465	0.0985	0.82893	2.2886	1.2641
3	452.77	456.74	460.9	2.5362	450.69	454.81	458.18	2.2941	-4.8976	-1.9319	5.4123	3.0877
10	452.46	456.9	459.65	2.3575	453.5	455	457.87	1.3875	-4.2772	-1.9007	1.0402	1.7824
30	448.71	454.55	459.34	3.1026	450.69	453.62	457.25	2.1244	-4.5893	-0.92993	3.2308	2.8157
50	451.52	455.27	459.96	2.9846	450.69	452.53	455.37	1.5682	-8.0246	-2.7423	1.6653	3.1828
100	450.89	455.43	459.65	2.3083	448.19	452.12	456.93	3.1446	-8.9626	-3.3046	1.6615	3.2716

Device Test: 14.4 UVLO_RISE_VIN(THRESHOLD|RISE/VIN/4.5////@UVLO_RISE_VIN)





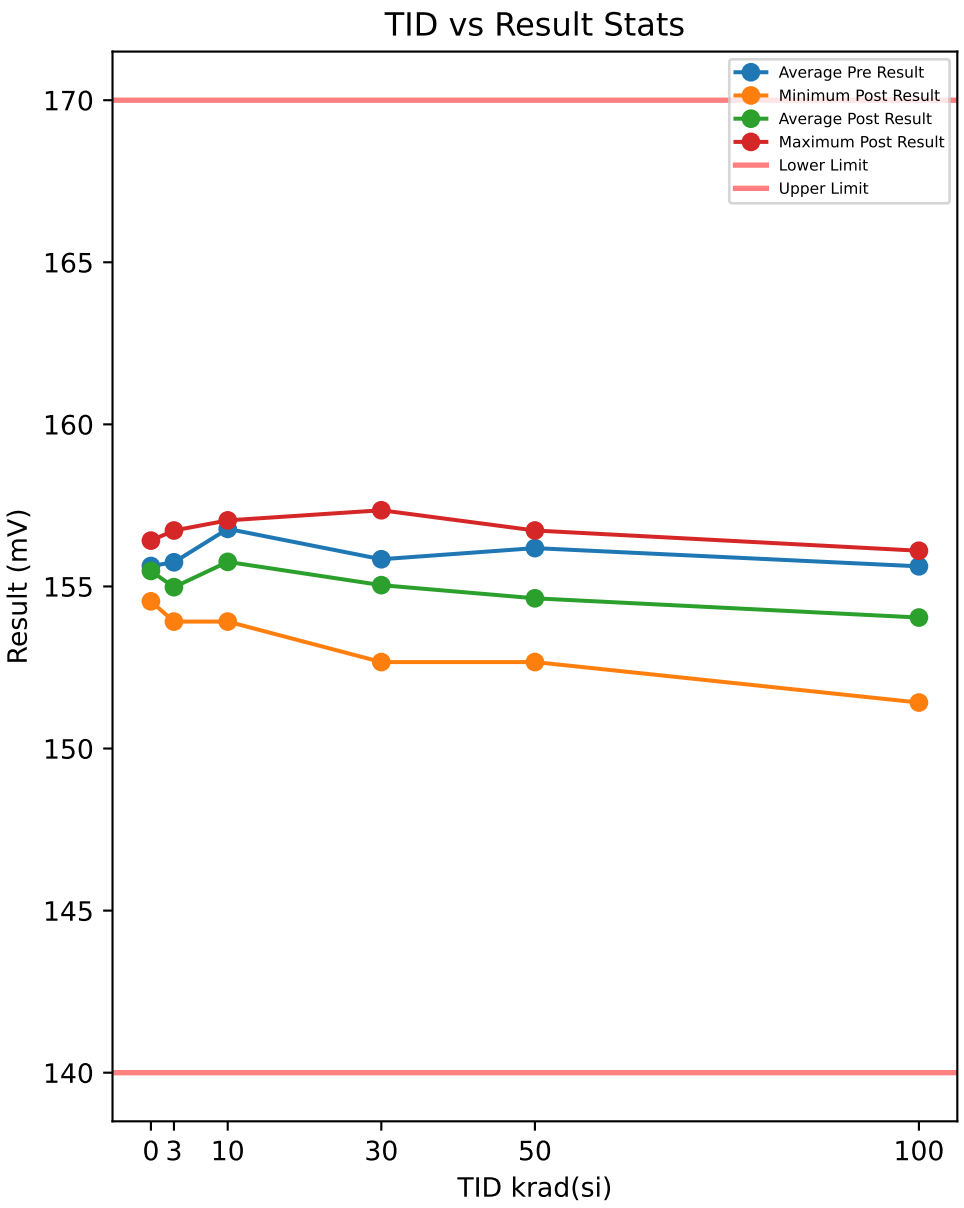
Test Results (Lower Limit = 3.4, Upper Limit = 3.8 (V))

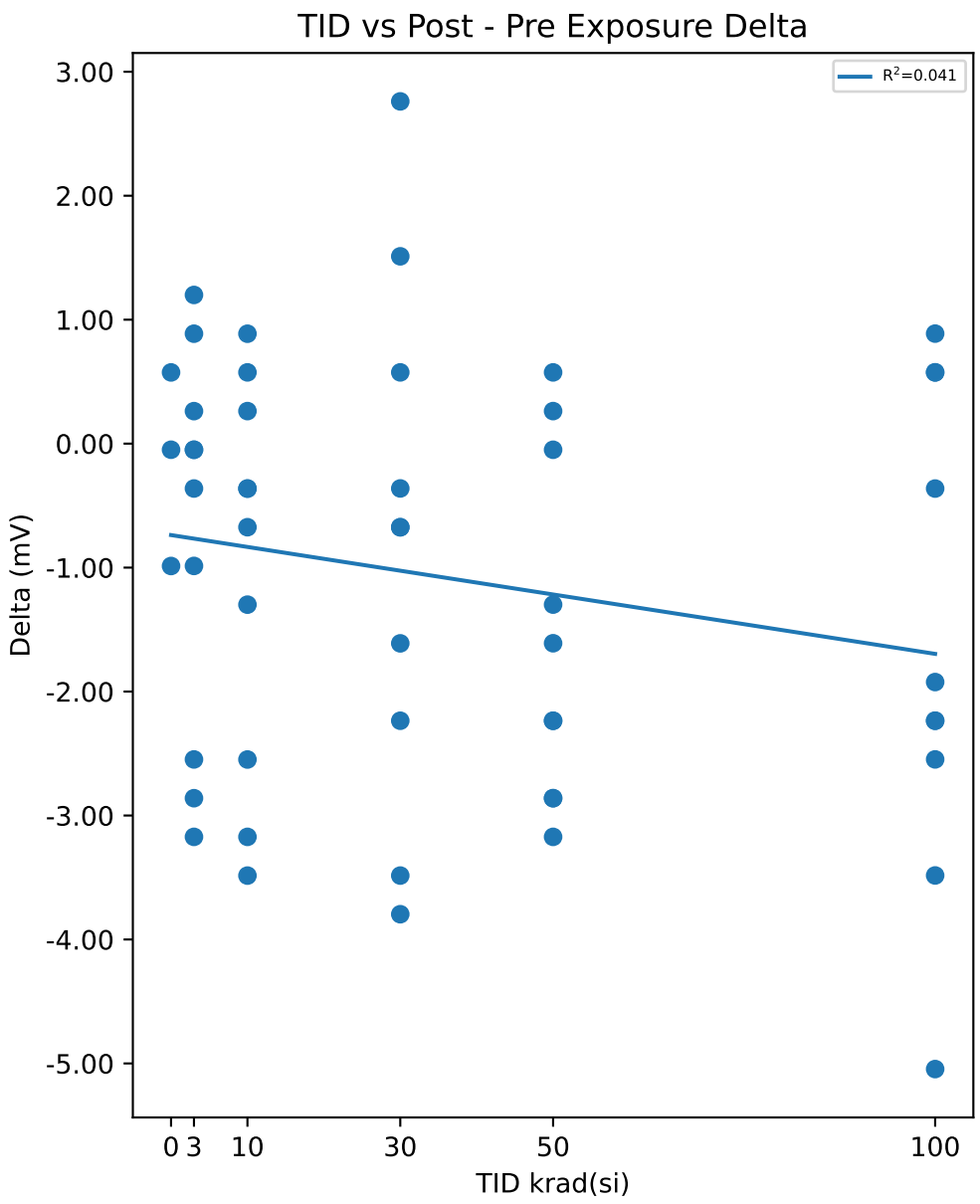
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
390	100	Biased	3.6277	3.5789	-0.0488
392	100	Biased	3.6389	3.5889	-0.05
393	100	Biased	3.6299	3.5964	-0.0335
394	100	Biased	3.6271	3.5923	-0.0348
395	100	Biased	3.6414	3.6051	-0.0363
412	100	Unbiased	3.624	3.631	0.007
413	100	Unbiased	3.6096	3.6045	-0.0051
414	100	Unbiased	3.6293	3.6254	-0.0039
415	100	Unbiased	3.6121	3.6082	-0.0039
416	100	Unbiased	3.6249	3.6238	-0.0011
417	50	Biased	3.6293	3.6007	-0.0286
418	50	Biased	3.633	3.6057	-0.0273
419	50	Biased	3.6346	3.6057	-0.0289
421	50	Biased	3.6336	3.6076	-0.026
422	50	Biased	3.6249	3.5979	-0.027
423	50	Unbiased	3.6208	3.6167	-0.0041
424	50	Unbiased	3.6143	3.6104	-0.0039
425	50	Unbiased	3.6383	3.6348	-0.0035
426	50	Unbiased	3.6293	3.6298	0.0005
427	50	Unbiased	3.6386	3.6373	-0.0013
463	0	Corr	3.6402	3.6395	-0.0007
464	0	Corr	3.6471	3.6488	0.0017
465	0	Corr	3.6311	3.6323	0.0012
466	30	Biased	3.6333	3.6188	-0.0145
469	30	Biased	3.6118	3.5926	-0.0192
470	30	Biased	3.6186	3.5979	-0.0207
472	30	Biased	3.6296	3.6139	-0.0157
474	30	Biased	3.6261	3.6082	-0.0179
475	30	Unbiased	3.629	3.6232	-0.0058
477	30	Unbiased	3.648	3.646	-0.002
478	30	Unbiased	3.6311	3.6338	0.0027
479	30	Unbiased	3.6308	3.6307	-0.0001
480	30	Unbiased	3.6243	3.6307	0.0064
481	10	Biased	3.6302	3.6238	-0.0064
482	10	Biased	3.6446	3.6385	-0.0061
483	10	Biased	3.624	3.6151	-0.0089
484	10	Biased	3.6152	3.6067	-0.0085
485	10	Biased	3.6371	3.6338	-0.0033
487	10	Unbiased	3.6364	3.6357	-0.0007
488	10	Unbiased	3.6265	3.6254	-0.0011
489	10	Unbiased	3.6374	3.6351	-0.0023
490	10	Unbiased	3.6271	3.6217	-0.0054
491	10	Unbiased	3.6352	3.6298	-0.0054
492	3	Biased	3.6246	3.622	-0.0026
493	3	Biased	3.6205	3.616	-0.0045
494	3	Biased	3.6283	3.6242	-0.0041
495	3	Biased	3.6168	3.6129	-0.0039
496	3	Biased	3.6393	3.6379	-0.0014
497	3	Unbiased	3.6483	3.6423	-0.006
498	3	Unbiased	3.6439	3.6451	0.0012
499	3	Unbiased	3.6277	3.6276	-0.0001
500	3	Unbiased	3.6386	3.6357	-0.0029
502	3	Unbiased	3.628	3.6267	-0.0013

Test Statistics (V)

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	3.6311	3.6395	3.6471	0.0080252	3.6323	3.6402	3.6488	0.0082722	-0.0007	0.00073333	0.0017	0.0012662
3	3.6168	3.6316	3.6483	0.010375	3.6129	3.629	3.6451	0.010892	-0.006	-0.00256	0.0012	0.0021859
10	3.6152	3.6314	3.6446	0.0084545	3.6067	3.6266	3.6385	0.010112	-0.0089	-0.00481	-0.0007	0.0028765
30	3.6118	3.6283	3.648	0.009525	3.5926	3.6196	3.646	0.016736	-0.0207	-0.00868	0.0064	0.010037
50	3.6143	3.6297	3.6386	0.0077675	3.5979	3.6147	3.6373	0.01436	-0.0289	-0.01501	0.0005	0.013319
100	3.6096	3.6265	3.6414	0.009993	3.5789	3.6054	3.631	0.017094	-0.05	-0.02104	0.007	0.021634

Device Test: 14.6 UVLO_HYST_VIN(THRESHOLD|HYST/VIN/4.5////@UVLO_HYST_VIN)





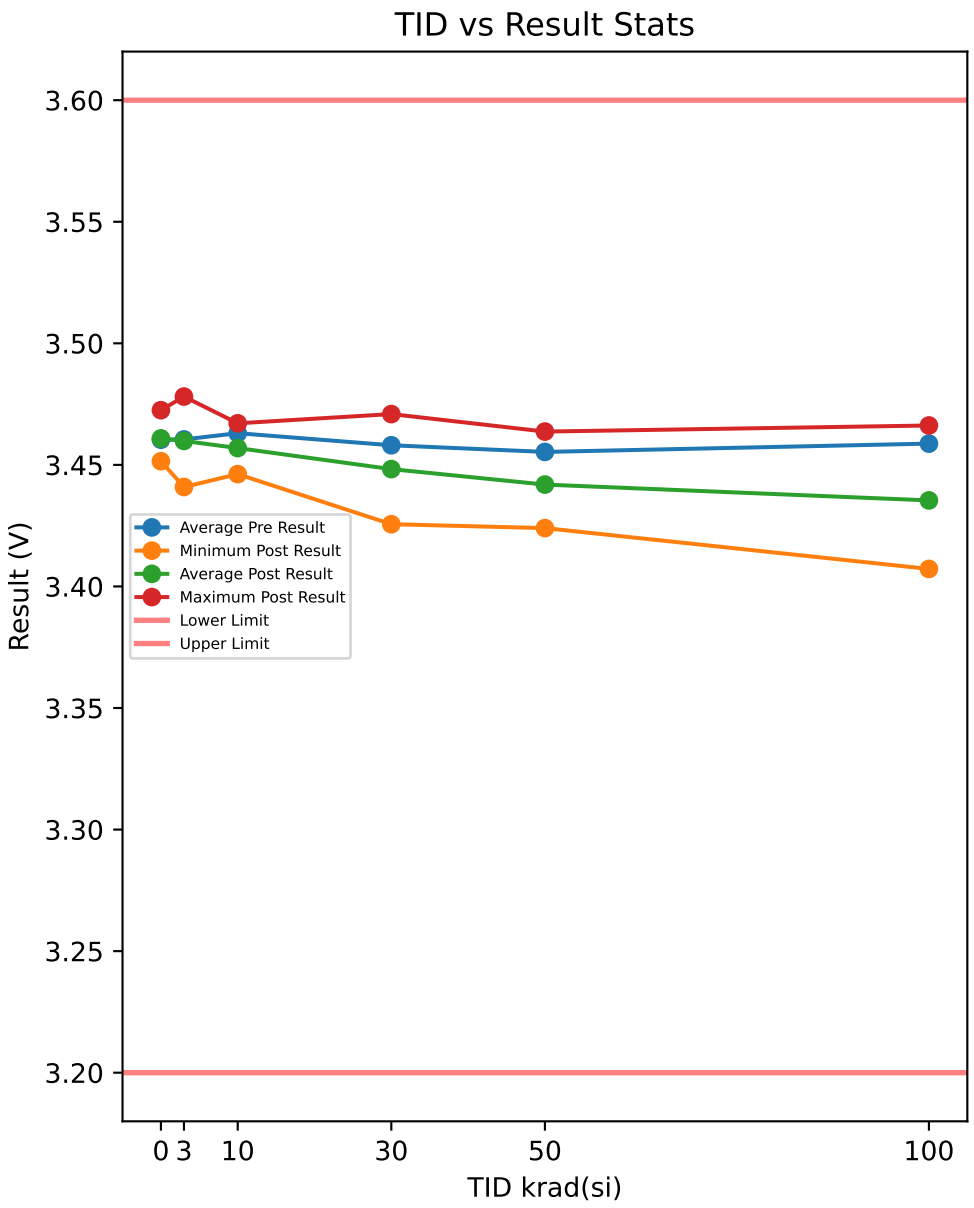
Test Results (Lower Limit = 140.0, Upper Limit = 170.0 (mV))

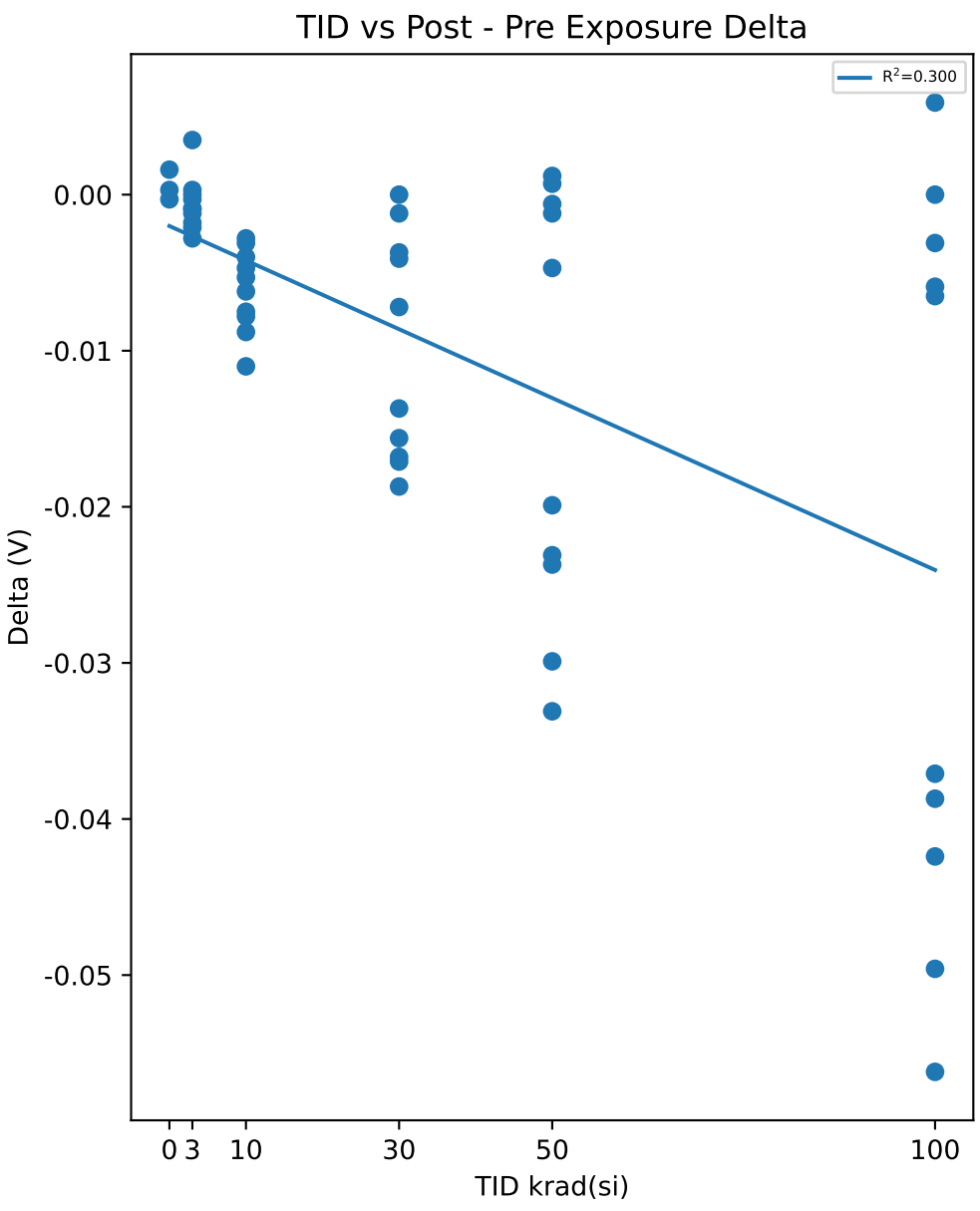
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
390	100	Biased	154.9	151.42	-3.4836
392	100	Biased	157.4	155.17	-2.2354
393	100	Biased	153.34	154.23	0.8876
394	100	Biased	155.84	153.29	-2.5473
395	100	Biased	156.15	154.23	-1.9233
412	100	Unbiased	156.15	155.79	-0.3624
413	100	Unbiased	155.53	156.1	0.5746
414	100	Unbiased	153.97	154.54	0.5753
415	100	Unbiased	155.53	153.29	-2.235
416	100	Unbiased	157.4	152.36	-5.0454
417	50	Biased	158.03	155.79	-2.2359
418	50	Biased	156.46	153.29	-3.1722
419	50	Biased	155.84	154.54	-1.2985
421	50	Biased	156.78	153.92	-2.8601
422	50	Biased	154.9	155.48	0.5748
423	50	Unbiased	155.53	155.48	-0.0494
424	50	Unbiased	154.28	152.67	-1.6103
425	50	Unbiased	157.71	154.85	-2.8603
426	50	Unbiased	156.46	156.73	0.2625
427	50	Unbiased	155.84	153.6	-2.2354
463	0	Corr	156.46	155.48	-0.9871
464	0	Corr	155.84	156.41	0.5746
465	0	Corr	154.59	154.54	-0.0491
466	30	Biased	155.84	157.35	1.5111
469	30	Biased	156.46	152.67	-3.7963
470	30	Biased	156.15	153.92	-2.2354
472	30	Biased	155.53	154.85	-0.6745
474	30	Biased	157.4	155.79	-1.6112
475	30	Unbiased	156.15	155.48	-0.6745
477	30	Unbiased	158.03	154.54	-3.4845
478	30	Unbiased	153.34	156.1	2.7609
479	30	Unbiased	154.28	153.92	-0.3614
480	30	Unbiased	155.21	155.79	0.5749
481	10	Biased	156.46	156.1	-0.3624
482	10	Biased	156.15	157.04	0.8867
483	10	Biased	157.71	155.16	-2.5482
484	10	Biased	156.15	155.79	-0.3624
485	10	Biased	155.53	156.1	0.5749
487	10	Unbiased	156.46	156.73	0.2625
488	10	Unbiased	156.46	155.79	-0.6742
489	10	Unbiased	158.34	154.85	-3.4847
490	10	Unbiased	157.09	153.92	-3.1722
491	10	Unbiased	157.4	156.1	-1.2989
492	3	Biased	154.28	154.23	-0.0494
493	3	Biased	158.03	154.85	-3.1722
494	3	Biased	156.78	154.23	-2.5476
495	3	Biased	156.78	153.92	-2.8603
496	3	Biased	155.21	155.17	-0.0493
497	3	Unbiased	155.53	155.79	0.2622
498	3	Unbiased	153.97	155.16	1.1995
499	3	Unbiased	155.84	156.73	0.8869
500	3	Unbiased	156.15	155.16	-0.9865
502	3	Unbiased	154.9	154.54	-0.362

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	154.59	155.63	156.46	0.9543	154.54	155.48	156.41	0.9366	-0.9871	-0.15387	0.5746	0.7861
3	153.97	155.75	158.03	1.2409	153.92	154.98	156.73	0.83512	-3.1722	-0.76787	1.1995	1.572
10	155.53	156.78	158.34	0.84583	153.92	155.76	157.04	0.91258	-3.4847	-1.0179	0.8867	1.5609
30	153.34	155.84	158.03	1.3732	152.67	155.04	157.35	1.3424	-3.7963	-0.79909	2.7609	2.0827
50	154.28	156.18	158.03	1.1635	152.67	154.63	156.73	1.2665	-3.1722	-1.5485	0.5748	1.3794
100	153.34	155.62	157.4	1.3089	151.42	154.04	156.1	1.4805	-5.0454	-1.5795	0.8876	1.9552

Device Test: 14.7 UVLO_RISE_PVIN(THRESHOLD|RISE/PVIN/5////@UVLO_RISE_PVIN)





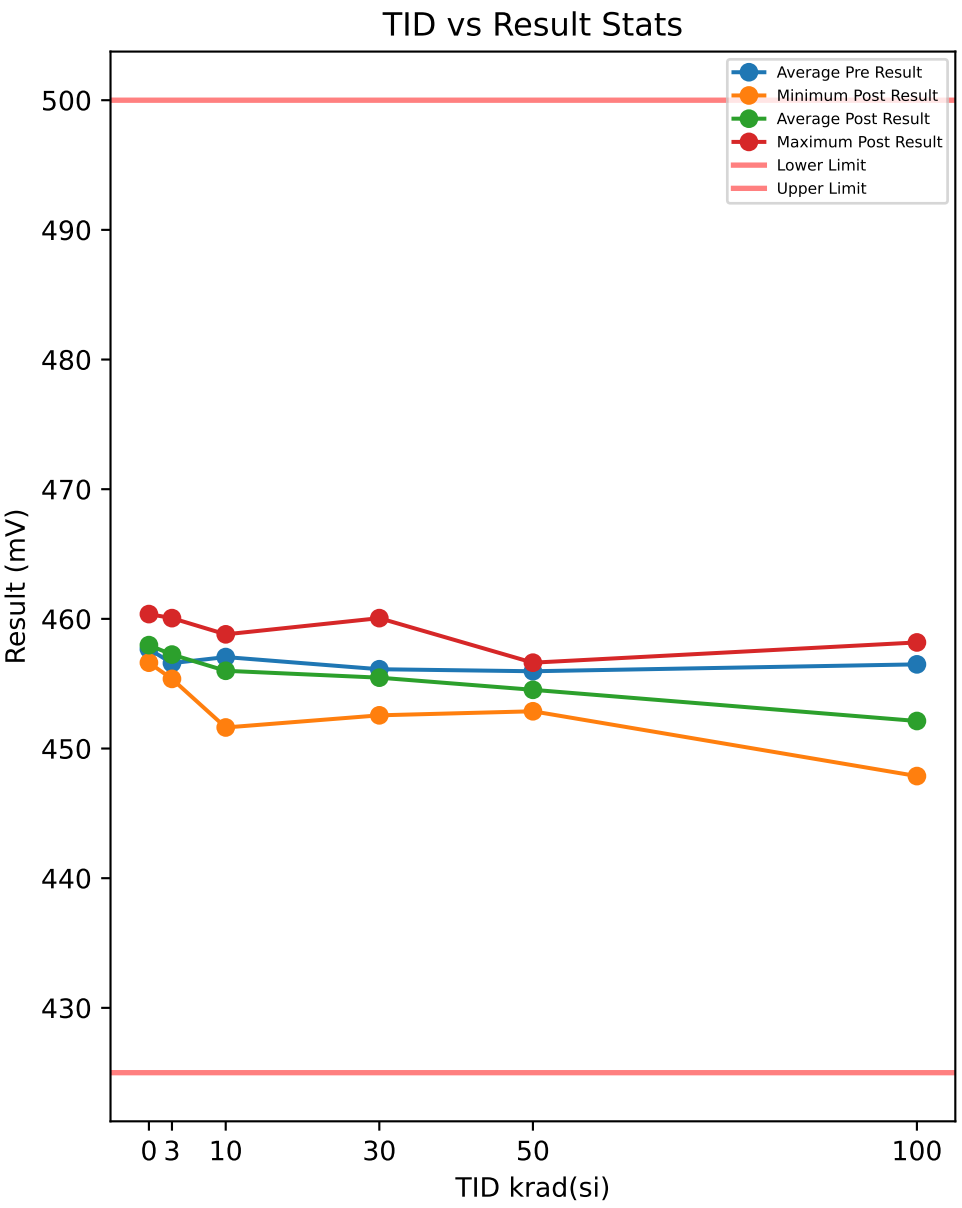
Test Results (Lower Limit = 3.2, Upper Limit = 3.6 (V))

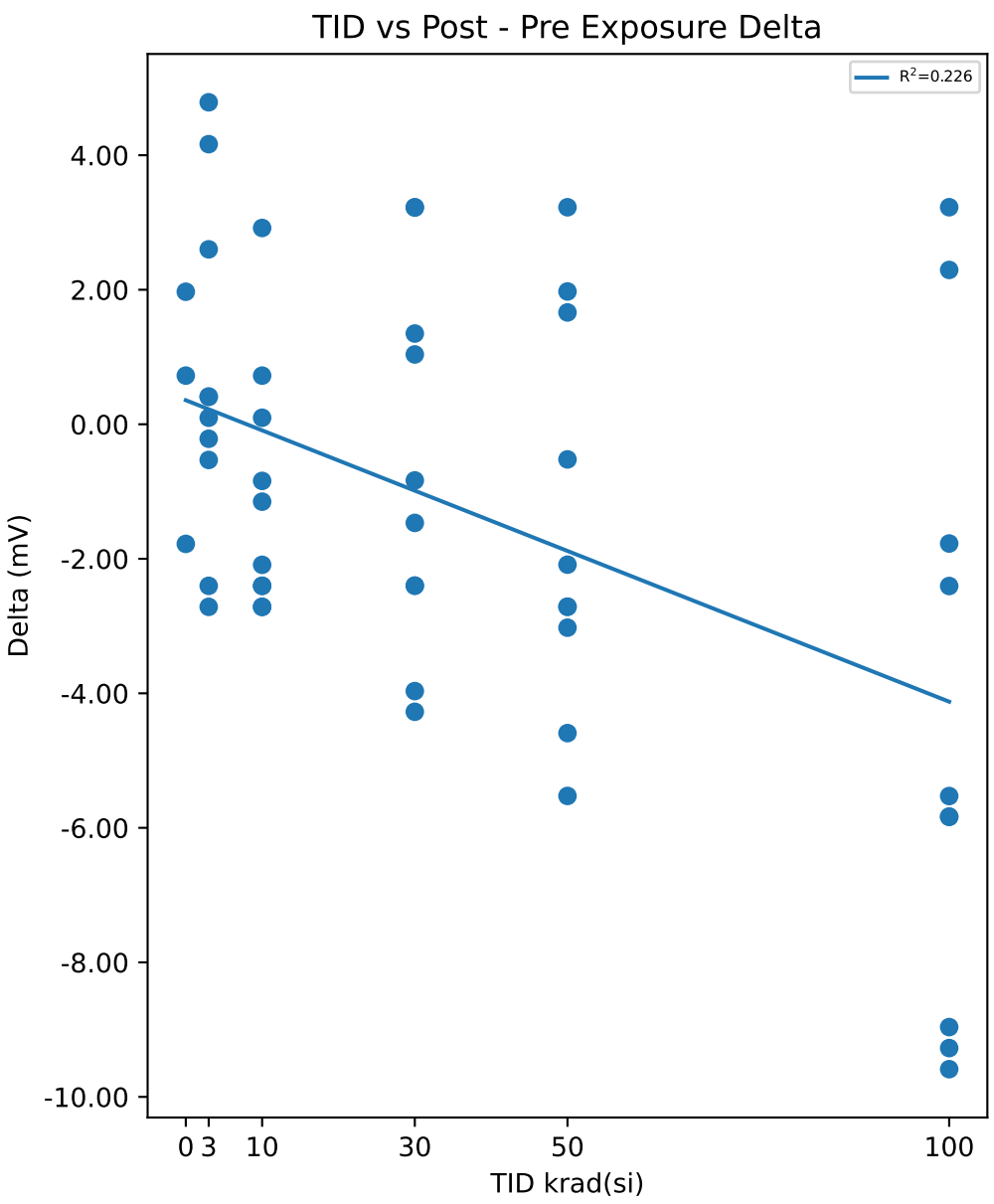
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
390	100	Biased	3.454	3.4169	-0.0371
392	100	Biased	3.4671	3.4175	-0.0496
393	100	Biased	3.4718	3.4156	-0.0562
394	100	Biased	3.4496	3.4072	-0.0424
395	100	Biased	3.4756	3.4369	-0.0387
412	100	Unbiased	3.4321	3.4256	-0.0065
413	100	Unbiased	3.4546	3.4487	-0.0059
414	100	Unbiased	3.4606	3.4575	-0.0031
415	100	Unbiased	3.4559	3.4618	0.0059
416	100	Unbiased	3.4662	3.4662	0
417	50	Biased	3.4574	3.4375	-0.0199
418	50	Biased	3.4477	3.424	-0.0237
419	50	Biased	3.4624	3.4325	-0.0299
421	50	Biased	3.4521	3.429	-0.0231
422	50	Biased	3.4606	3.4275	-0.0331
423	50	Unbiased	3.4565	3.4518	-0.0047
424	50	Unbiased	3.444	3.4434	-0.0006
425	50	Unbiased	3.4546	3.4553	0.0007
426	50	Unbiased	3.4531	3.4543	0.0012
427	50	Unbiased	3.4649	3.4637	-0.0012
463	0	Corr	3.4709	3.4725	0.0016
464	0	Corr	3.4518	3.4515	-0.0003
465	0	Corr	3.4584	3.4587	0.0003
466	30	Biased	3.4721	3.455	-0.0171
469	30	Biased	3.4615	3.4478	-0.0137
470	30	Biased	3.4412	3.4256	-0.0156
472	30	Biased	3.4437	3.4269	-0.0168
474	30	Biased	3.4571	3.4384	-0.0187
475	30	Unbiased	3.4659	3.4587	-0.0072
477	30	Unbiased	3.4634	3.4593	-0.0041
478	30	Unbiased	3.4662	3.4625	-0.0037
479	30	Unbiased	3.4709	3.4709	0
480	30	Unbiased	3.4387	3.4375	-0.0012
481	10	Biased	3.4524	3.4462	-0.0062
482	10	Biased	3.4609	3.4534	-0.0075
483	10	Biased	3.4606	3.4518	-0.0088
484	10	Biased	3.4543	3.449	-0.0053
485	10	Biased	3.4781	3.4671	-0.011
487	10	Unbiased	3.4712	3.4634	-0.0078
488	10	Unbiased	3.4568	3.454	-0.0028
489	10	Unbiased	3.4653	3.4606	-0.0047
490	10	Unbiased	3.4624	3.4584	-0.004
491	10	Unbiased	3.4684	3.4653	-0.0031
492	3	Biased	3.4421	3.4409	-0.0012
493	3	Biased	3.4552	3.4531	-0.0021
494	3	Biased	3.4809	3.4781	-0.0028
495	3	Biased	3.4499	3.4481	-0.0018
496	3	Biased	3.4487	3.4487	0
497	3	Unbiased	3.4703	3.47	-0.0003
498	3	Unbiased	3.469	3.4693	0.0003
499	3	Unbiased	3.4565	3.46	0.0035
500	3	Unbiased	3.4581	3.4572	-0.0009
502	3	Unbiased	3.474	3.4731	-0.0009

Test Statistics (V)

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	3.4518	3.4604	3.4709	0.0097007	3.4515	3.4609	3.4725	0.010671	-0.0003	0.00053333	0.0016	0.00097125
3	3.4421	3.4605	3.4809	0.012502	3.4409	3.4599	3.4781	0.012361	-0.0028	-0.00062	0.0035	0.0017364
10	3.4524	3.463	3.4781	0.0079352	3.4462	3.4569	3.4671	0.0071208	-0.011	-0.00612	-0.0028	0.0026469
30	3.4387	3.4581	3.4721	0.012456	3.4256	3.4483	3.4709	0.015544	-0.0187	-0.00981	0	0.0072787
50	3.444	3.4553	3.4649	0.0064766	3.424	3.4419	3.4637	0.013787	-0.0331	-0.01343	0.0012	0.013756
100	3.4321	3.4587	3.4756	0.012582	3.4072	3.4354	3.4662	0.021754	-0.0562	-0.02336	0.0059	0.023464

Device Test: 14.9 UVLO_HYST_PVIN(THRESHOLD|HYST/PVIN/5////@UVLO_HYST_PVIN)





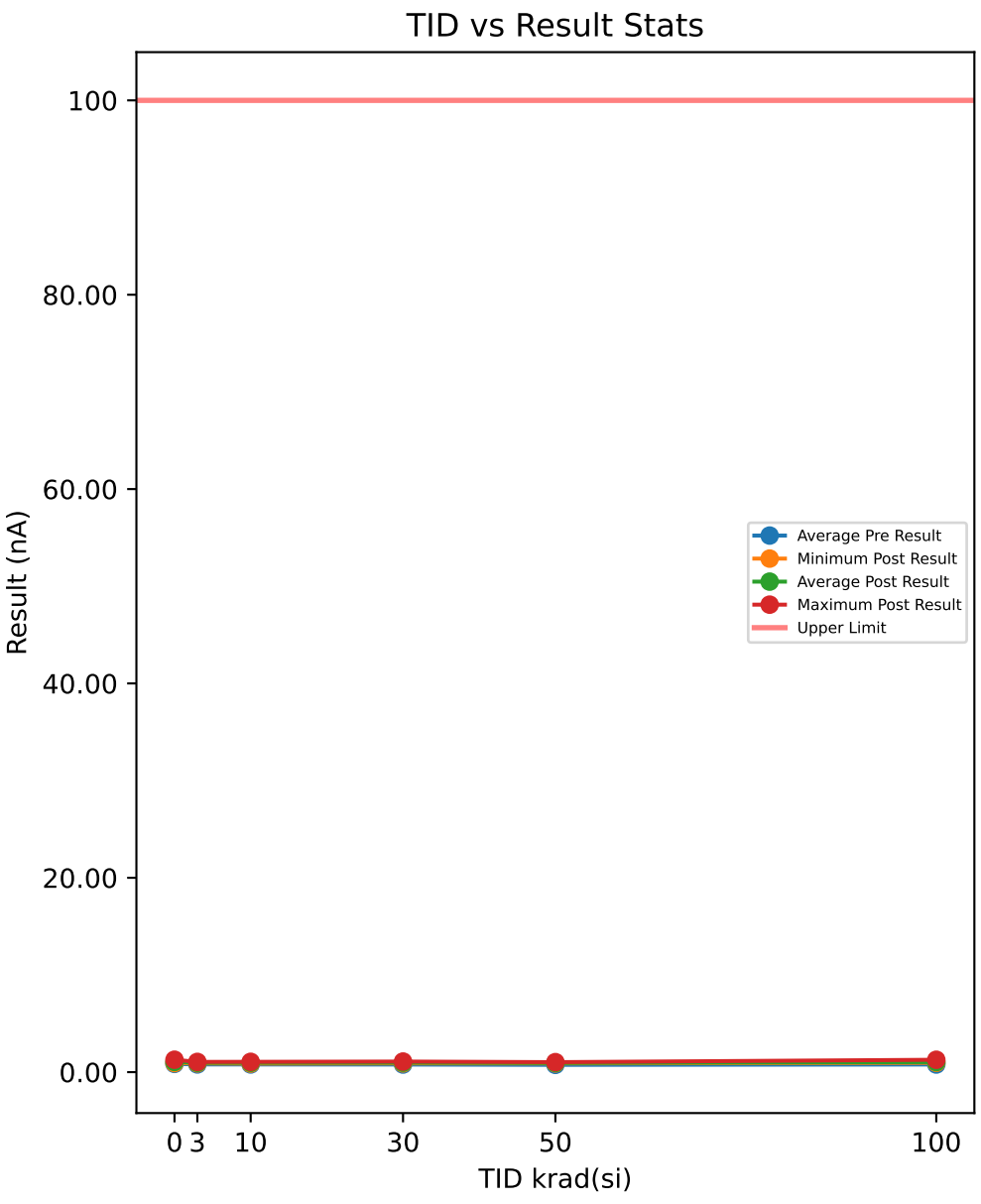
Test Results (Lower Limit = 425.0, Upper Limit = 500.0 (mV))

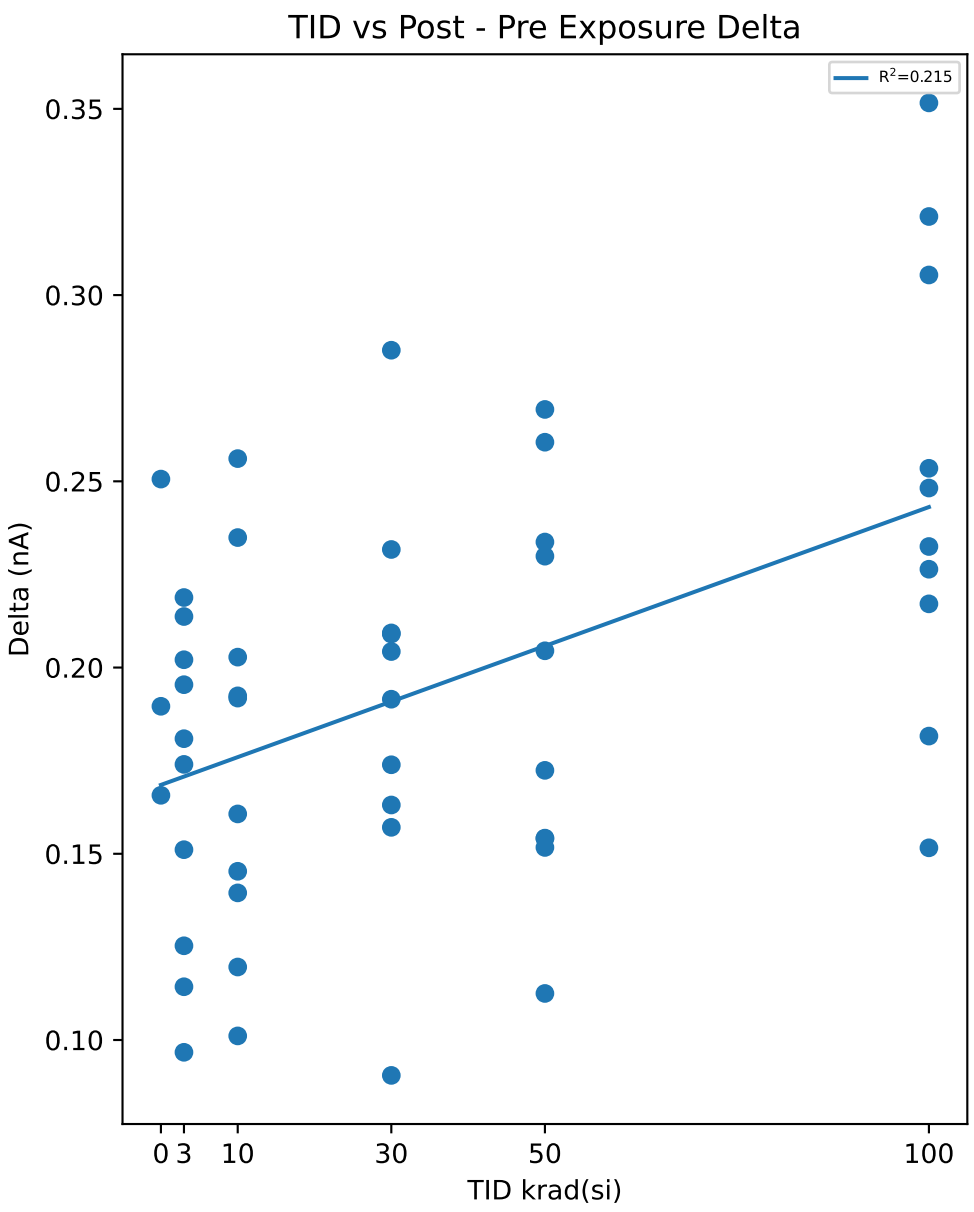
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
390	100	Biased	453.71	447.88	-5.8327
392	100	Biased	459.34	450.37	-8.9624
393	100	Biased	459.34	450.06	-9.2745
394	100	Biased	460.27	450.69	-9.5882
395	100	Biased	459.96	454.43	-5.5273
412	100	Unbiased	447.77	450.06	2.2945
413	100	Unbiased	454.02	452.25	-1.7729
414	100	Unbiased	457.77	451.94	-5.8374
415	100	Unbiased	452.14	455.37	3.227
416	100	Unbiased	460.59	458.18	-2.4047
417	50	Biased	456.83	454.12	-2.7129
418	50	Biased	453.4	452.87	-0.5226
419	50	Biased	458.71	453.19	-5.5258
421	50	Biased	455.9	452.87	-3.0241
422	50	Biased	456.52	453.81	-2.7125
423	50	Unbiased	460.9	456.31	-4.5917
424	50	Unbiased	455.9	453.81	-2.0872
425	50	Unbiased	454.65	456.62	1.9744
426	50	Unbiased	452.46	455.68	3.2263
427	50	Unbiased	454.33	456	1.6625
463	0	Corr	458.4	460.37	1.9703
464	0	Corr	458.71	456.93	-1.7784
465	0	Corr	455.9	456.62	0.7236
466	30	Biased	460.59	456.62	-3.9666
469	30	Biased	456.21	453.81	-2.3997
470	30	Biased	457.15	452.87	-4.2746
472	30	Biased	453.4	452.56	-0.835
474	30	Biased	455.58	453.19	-2.3992
475	30	Unbiased	459.34	457.87	-1.4665
477	30	Unbiased	455.58	456.93	1.349
478	30	Unbiased	454.33	455.37	1.0381
479	30	Unbiased	456.83	460.06	3.2217
480	30	Unbiased	452.14	455.37	3.227
481	10	Biased	459.02	456.31	-2.7153
482	10	Biased	458.09	455.37	-2.7144
483	10	Biased	456.52	455.37	-1.1509
484	10	Biased	448.71	451.62	2.9184
485	10	Biased	457.77	455.68	-2.0895
487	10	Unbiased	458.71	456.31	-2.4025
488	10	Unbiased	457.46	455.06	-2.4011
489	10	Unbiased	458.09	458.18	0.0968
490	10	Unbiased	459.65	458.81	-0.8421
491	10	Unbiased	456.52	457.25	0.7231
492	3	Biased	453.71	456.31	2.6007
493	3	Biased	458.4	456	-2.4021
494	3	Biased	460.27	459.74	-0.5305
495	3	Biased	454.96	455.37	0.4127
496	3	Biased	451.83	456	4.1642
497	3	Unbiased	457.46	457.56	0.097
498	3	Unbiased	459.65	460.06	0.4074
499	3	Unbiased	453.71	458.49	4.7867
500	3	Unbiased	458.09	455.37	-2.7144
502	3	Unbiased	457.77	457.56	-0.2153

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	455.9	457.67	458.71	1.5424	456.62	457.97	460.37	2.0795	-1.7784	0.30517	1.9703	1.9091
3	451.83	456.58	460.27	2.8384	455.37	457.25	460.06	1.7296	-2.7144	0.66064	4.7867	2.5047
10	448.71	457.05	459.65	3.0991	451.62	456	458.81	1.9808	-2.7153	-1.0577	2.9184	1.8421
30	452.14	456.12	460.59	2.5576	452.56	455.47	460.06	2.4373	-4.2746	-0.65058	3.227	2.7452
50	452.46	455.96	460.9	2.5006	452.87	454.53	456.62	1.4726	-5.5258	-1.4314	3.2263	2.9192
100	447.77	456.49	460.59	4.3438	447.88	452.12	458.18	3.0609	-9.5882	-4.3679	3.227	4.6037

Device Test: 15.1 EN_LKG_CURR(LEAK|UNPOWERED/EN/0////@EN_LKG_CURR)





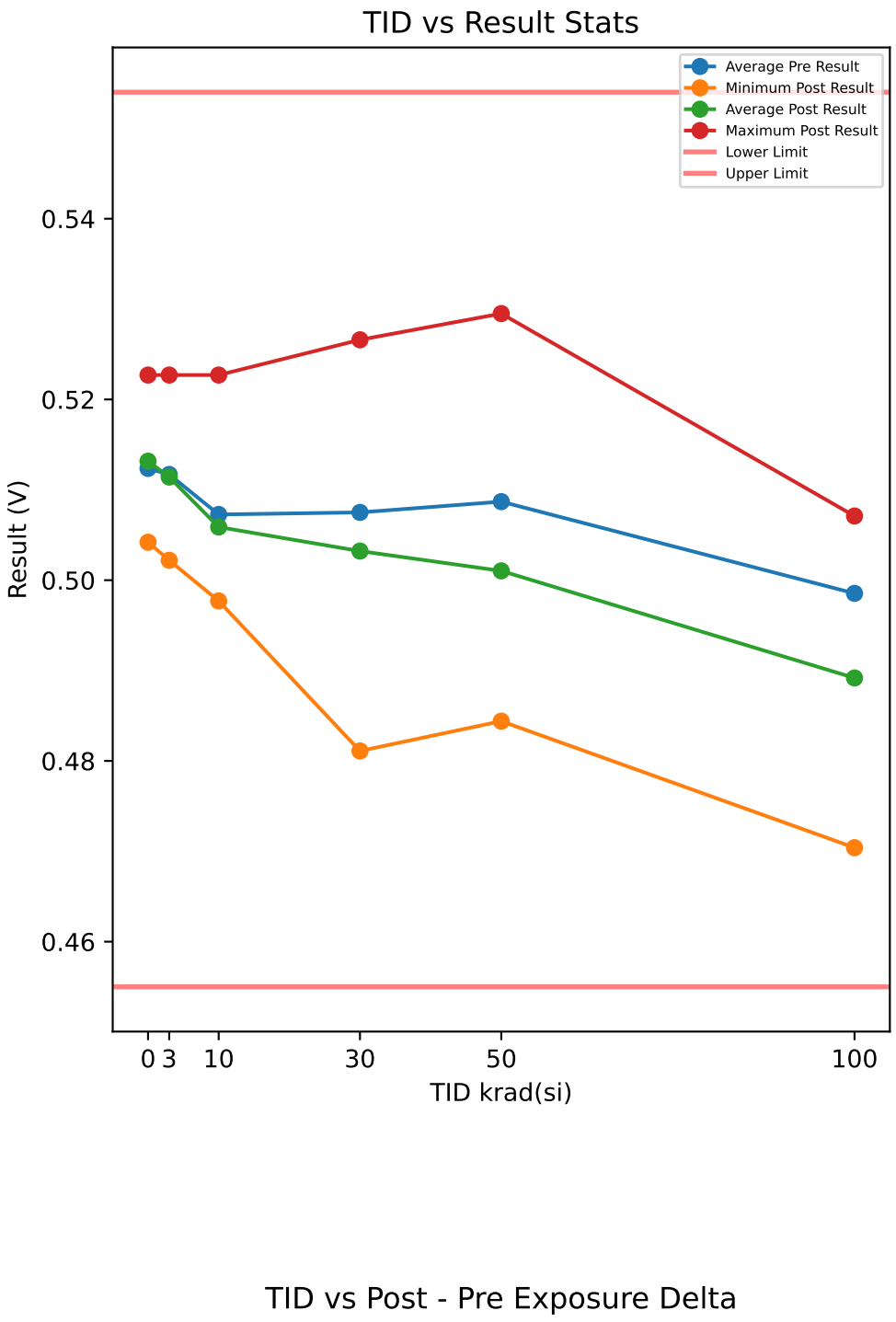
Test Results (Upper Limit = 100.0 (nA))

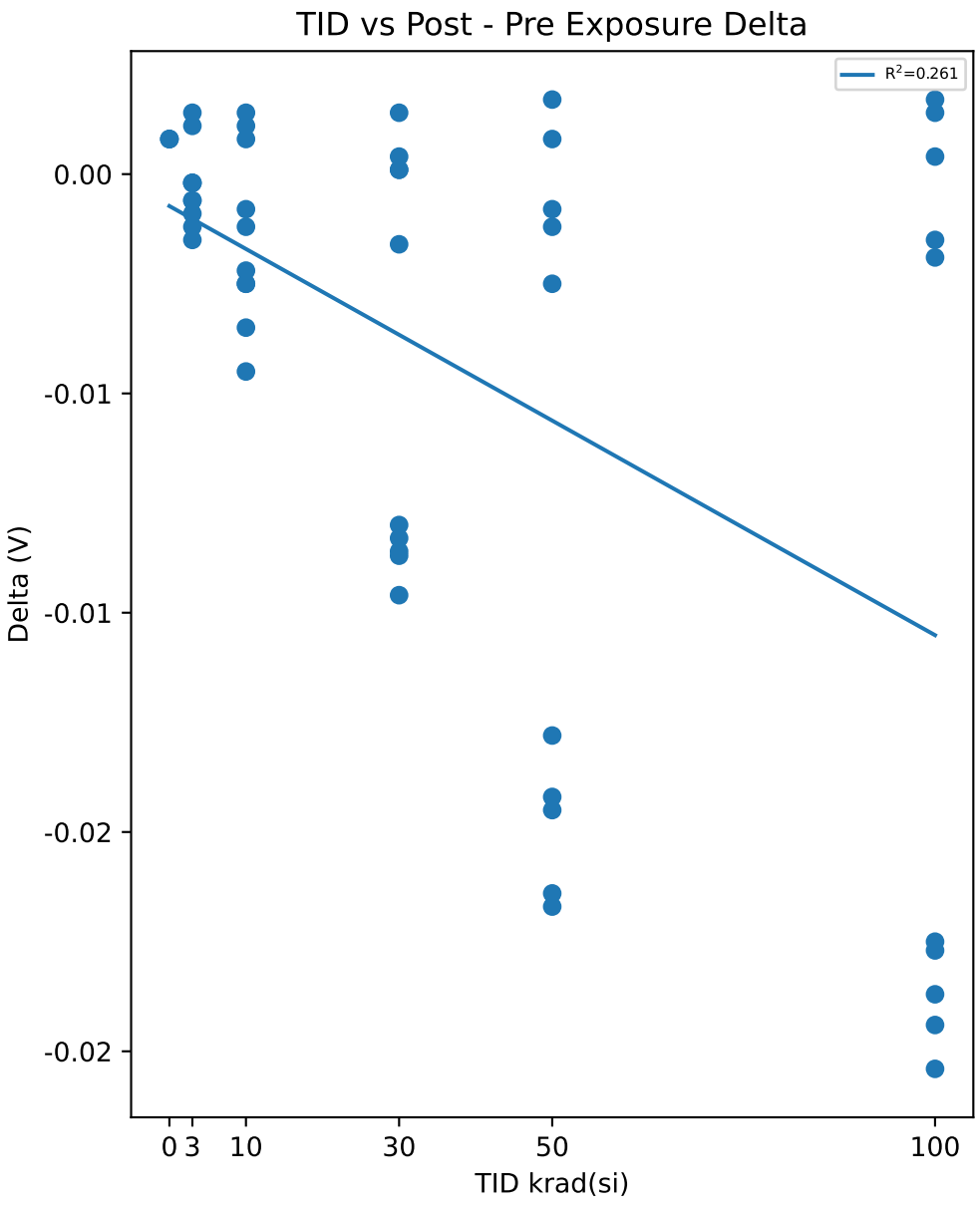
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
390	100	Biased	0.7912	0.9728	0.1816
392	100	Biased	0.714	1.0351	0.3211
393	100	Biased	0.8335	1.1851	0.3516
394	100	Biased	0.966	1.2714	0.3054
395	100	Biased	0.7222	0.9757	0.2535
412	100	Unbiased	0.7483	0.9965	0.2482
413	100	Unbiased	0.7236	0.9561	0.2325
414	100	Unbiased	0.7365	0.9629	0.2264
415	100	Unbiased	0.7913	1.0084	0.2171
416	100	Unbiased	0.8224	0.974	0.1516
417	50	Biased	0.7649	0.9694	0.2045
418	50	Biased	0.7669	0.9393	0.1724
419	50	Biased	0.6794	0.9487	0.2693
421	50	Biased	0.7519	0.9061	0.1542
422	50	Biased	0.7469	0.9768	0.2299
423	50	Unbiased	0.764	0.9181	0.1541
424	50	Unbiased	0.6788	0.9125	0.2337
425	50	Unbiased	0.7667	1.0272	0.2605
426	50	Unbiased	0.7885	0.901	0.1125
427	50	Unbiased	0.7855	0.9372	0.1517
463	0	Corr	0.6763	0.9269	0.2506
464	0	Corr	0.7565	0.9461	0.1896
465	0	Corr	1.1106	1.2763	0.1657
466	30	Biased	0.7642	1.0494	0.2852
469	30	Biased	0.7451	0.9022	0.1571
470	30	Biased	0.7604	0.9697	0.2093
472	30	Biased	0.7254	0.9571	0.2317
474	30	Biased	0.7692	0.9323	0.1631
475	30	Unbiased	0.8852	0.9757	0.0905
477	30	Unbiased	0.7364	0.9454	0.209
478	30	Unbiased	0.786	0.9775	0.1915
479	30	Unbiased	0.7466	0.9509	0.2043
480	30	Unbiased	0.9149	1.0888	0.1739
481	10	Biased	0.8569	1.0487	0.1918
482	10	Biased	0.7492	0.952	0.2028
483	10	Biased	0.8066	0.9262	0.1196
484	10	Biased	0.7959	0.9354	0.1395
485	10	Biased	0.8326	0.9337	0.1011
487	10	Unbiased	0.7287	0.9636	0.2349
488	10	Unbiased	0.7531	1.0092	0.2561
489	10	Unbiased	0.734	0.8793	0.1453
490	10	Unbiased	0.7686	0.961	0.1924
491	10	Unbiased	0.8991	1.0598	0.1607
492	3	Biased	0.8795	0.9762	0.0967
493	3	Biased	0.7237	0.9374	0.2137
494	3	Biased	0.8885	1.0028	0.1143
495	3	Biased	0.7537	0.9277	0.174
496	3	Biased	0.7929	0.9883	0.1954
497	3	Unbiased	0.7831	0.9342	0.1511
498	3	Unbiased	0.8325	1.0513	0.2188
499	3	Unbiased	0.7227	0.9248	0.2021
500	3	Unbiased	0.7884	0.9693	0.1809
502	3	Unbiased	0.7774	0.9027	0.1253

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	0.6763	0.8478	1.1106	0.2311	0.9269	1.0498	1.2763	0.19642	0.1657	0.20197	0.2506	0.04378
3	0.7227	0.79424	0.8885	0.057541	0.9027	0.96147	1.0513	0.044768	0.0967	0.16723	0.2188	0.043276
10	0.7287	0.79247	0.8991	0.056589	0.8793	0.96689	1.0598	0.056572	0.1011	0.17442	0.2561	0.049885
30	0.7254	0.78334	0.9149	0.064253	0.9022	0.9749	1.0888	0.055198	0.0905	0.19156	0.2852	0.051298
50	0.6788	0.74935	0.7885	0.03914	0.901	0.94363	1.0272	0.038988	0.1125	0.19428	0.2693	0.052853
100	0.714	0.7849	0.966	0.076771	0.9561	1.0338	1.2714	0.10704	0.1516	0.2489	0.3516	0.062144

Device Test: 15.10 EN_VTH_FALLING(THRESHOLD|FALL/EN/12////@EN_VTH_FALLING)





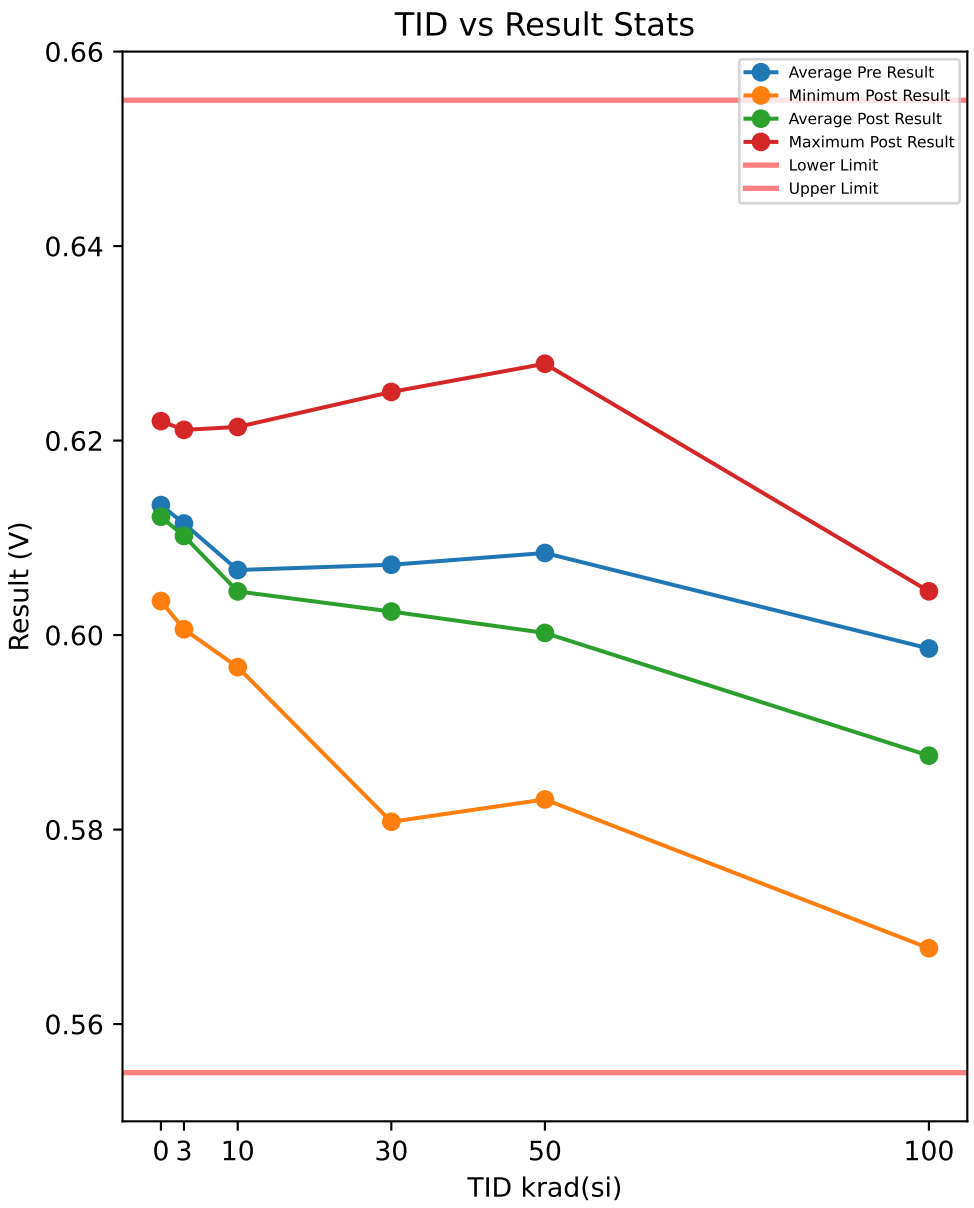
Test Results (Lower Limit = 0.455, Upper Limit = 0.554 (V))

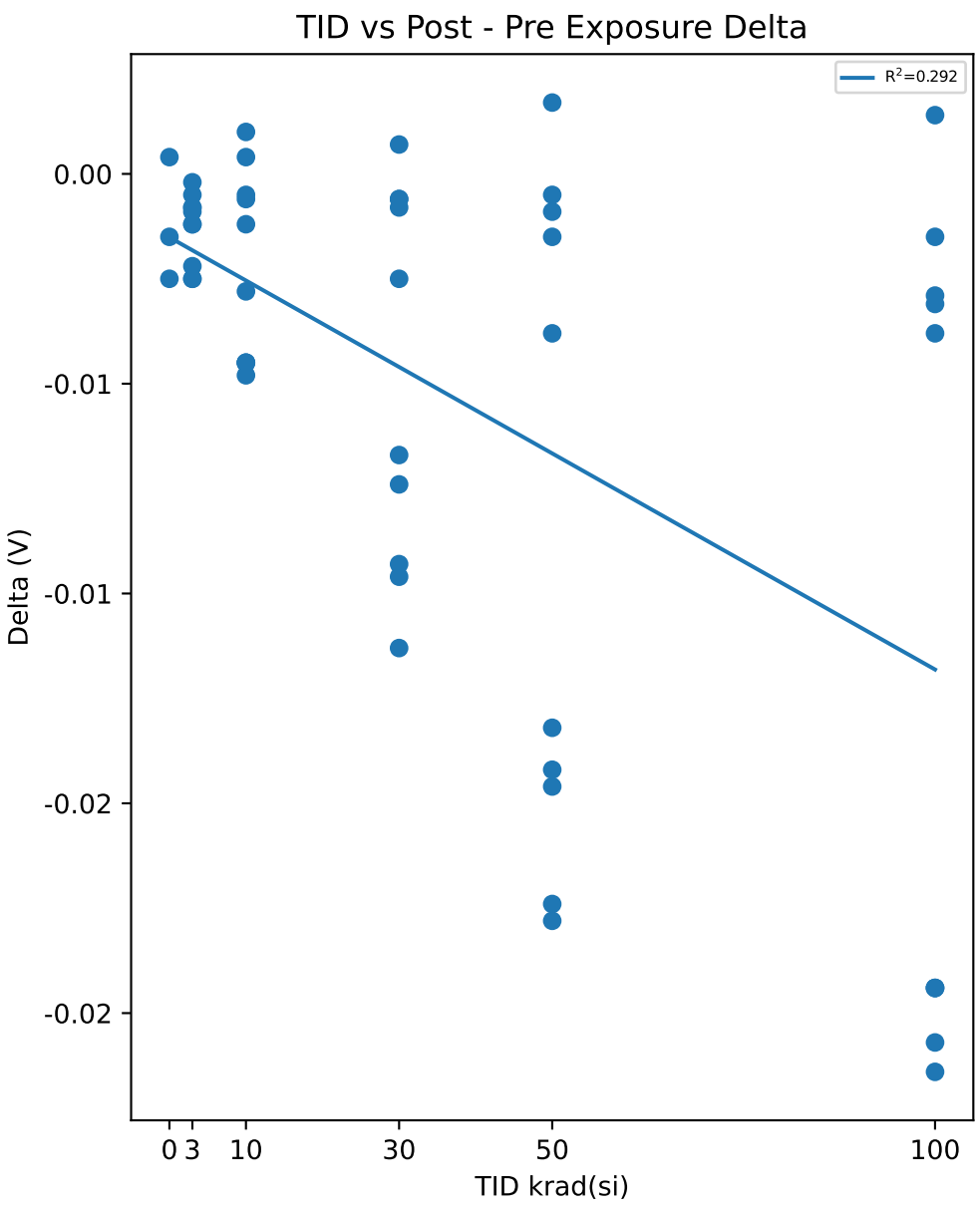
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
390	100	Biased	0.4943	0.4749	-0.0194
392	100	Biased	0.4881	0.4704	-0.0177
393	100	Biased	0.5028	0.4853	-0.0175
394	100	Biased	0.493	0.4743	-0.0187
395	100	Biased	0.5067	0.4863	-0.0204
412	100	Unbiased	0.505	0.5035	-0.0015
413	100	Unbiased	0.4859	0.4876	0.0017
414	100	Unbiased	0.5008	0.5012	0.0004
415	100	Unbiased	0.5057	0.5071	0.0014
416	100	Unbiased	0.5031	0.5012	-0.0019
417	50	Biased	0.505	0.4886	-0.0164
418	50	Biased	0.5297	0.5155	-0.0142
419	50	Biased	0.5011	0.4844	-0.0167
421	50	Biased	0.5248	0.512	-0.0128
422	50	Biased	0.5005	0.486	-0.0145
423	50	Unbiased	0.492	0.4912	-0.0008
424	50	Unbiased	0.532	0.5295	-0.0025
425	50	Unbiased	0.4943	0.4951	0.0008
426	50	Unbiased	0.5112	0.51	-0.0012
427	50	Unbiased	0.4963	0.498	0.0017
463	0	Corr	0.5219	0.5227	0.0008
464	0	Corr	0.5118	0.5126	0.0008
465	0	Corr	0.5034	0.5042	0.0008
466	30	Biased	0.5105	0.5025	-0.008
469	30	Biased	0.5109	0.5022	-0.0087
470	30	Biased	0.4907	0.4811	-0.0096
472	30	Biased	0.493	0.4844	-0.0086
474	30	Biased	0.5089	0.5006	-0.0083
475	30	Unbiased	0.5086	0.51	0.0014
477	30	Unbiased	0.5239	0.5243	0.0004
478	30	Unbiased	0.5028	0.5012	-0.0016
479	30	Unbiased	0.5265	0.5266	0.0001
480	30	Unbiased	0.4992	0.4993	0.0001
481	10	Biased	0.5034	0.5012	-0.0022
482	10	Biased	0.5054	0.5029	-0.0025
483	10	Biased	0.507	0.5035	-0.0035
484	10	Biased	0.505	0.5025	-0.0025
485	10	Biased	0.5161	0.5116	-0.0045
487	10	Unbiased	0.5044	0.5032	-0.0012
488	10	Unbiased	0.4969	0.498	0.0011
489	10	Unbiased	0.5141	0.5155	0.0014
490	10	Unbiased	0.4985	0.4977	-0.0008
491	10	Unbiased	0.5219	0.5227	0.0008
492	3	Biased	0.5138	0.5129	-0.0009
493	3	Biased	0.5041	0.5035	-0.0006
494	3	Biased	0.5164	0.5149	-0.0015
495	3	Biased	0.507	0.5058	-0.0012
496	3	Biased	0.5028	0.5022	-0.0006
497	3	Unbiased	0.5229	0.5227	-0.0002
498	3	Unbiased	0.5177	0.5188	0.0011
499	3	Unbiased	0.506	0.5074	0.0014
500	3	Unbiased	0.5203	0.5201	-0.0002
502	3	Unbiased	0.506	0.5058	-0.0002

Test Statistics (V)

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	0.5034	0.51237	0.5219	0.009263	0.5042	0.51317	0.5227	0.009263	0.0008	0.0008	0.0008	6.4091e-17
3	0.5028	0.5117	0.5229	0.007348	0.5022	0.51141	0.5227	0.0074417	-0.0015	-0.00029	0.0014	0.0009231
10	0.4969	0.50727	0.5219	0.0078531	0.4977	0.50588	0.5227	0.008112	-0.0045	-0.00139	0.0014	0.0020113
30	0.4907	0.5075	0.5265	0.011724	0.4811	0.50322	0.5266	0.014561	-0.0096	-0.00428	0.0014	0.0046692
50	0.492	0.50869	0.532	0.015011	0.4844	0.50103	0.5295	0.014977	-0.0167	-0.00766	0.0017	0.007808
100	0.4859	0.49854	0.5067	0.0076089	0.4704	0.48918	0.5071	0.013412	-0.0204	-0.00936	0.0017	0.0099807

Device Test: 15.12 EN_VTH_RISING(THRESHOLD|RISE/EN/14////@EN_VTH_RISING)





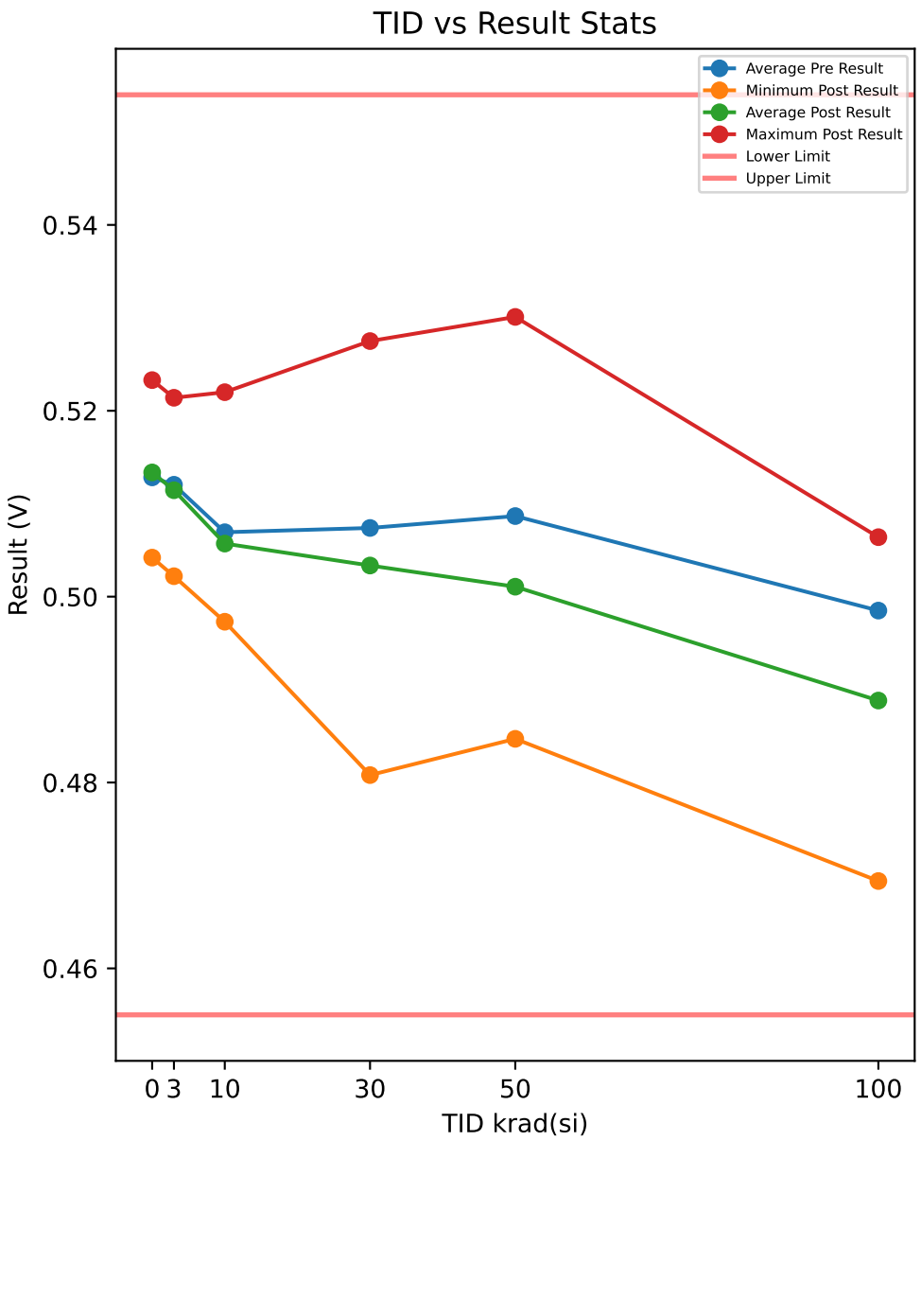
Test Results (Lower Limit = 0.555, Upper Limit = 0.655 (V))

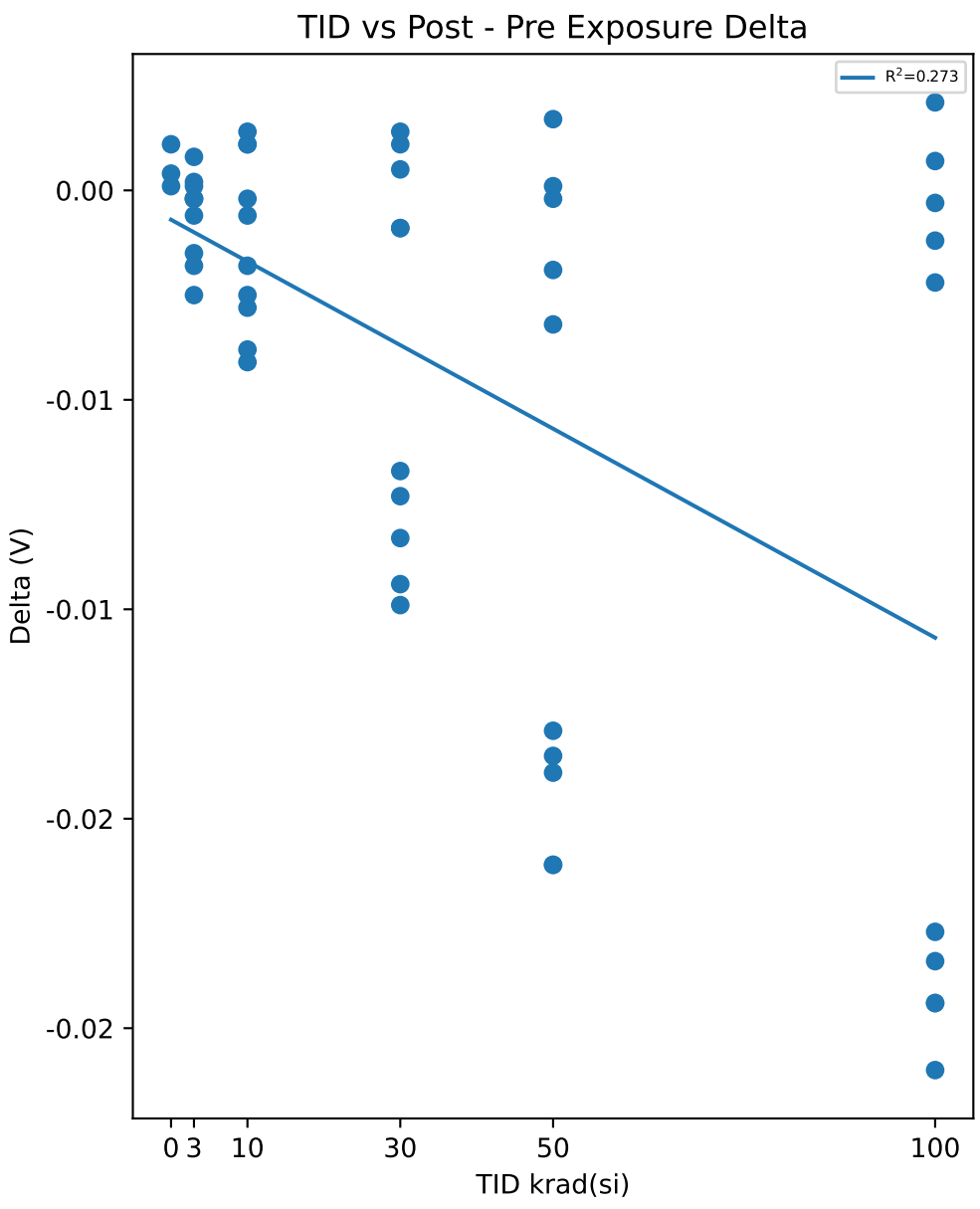
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
390	100	Biased	0.593	0.5736	-0.0194
392	100	Biased	0.5872	0.5678	-0.0194
393	100	Biased	0.6044	0.5837	-0.0207
394	100	Biased	0.593	0.5736	-0.0194
395	100	Biased	0.6064	0.585	-0.0214
412	100	Unbiased	0.6051	0.6022	-0.0029
413	100	Unbiased	0.5856	0.587	0.0014
414	100	Unbiased	0.6021	0.599	-0.0031
415	100	Unbiased	0.606	0.6045	-0.0015
416	100	Unbiased	0.6034	0.5996	-0.0038
417	50	Biased	0.6051	0.5873	-0.0178
418	50	Biased	0.6284	0.6152	-0.0132
419	50	Biased	0.6005	0.5831	-0.0174
421	50	Biased	0.6255	0.6113	-0.0142
422	50	Biased	0.5999	0.5853	-0.0146
423	50	Unbiased	0.5917	0.5912	-0.0005
424	50	Unbiased	0.6317	0.6279	-0.0038
425	50	Unbiased	0.5947	0.5938	-0.0009
426	50	Unbiased	0.6109	0.6094	-0.0015
427	50	Unbiased	0.596	0.5977	0.0017
463	0	Corr	0.6245	0.622	-0.0025
464	0	Corr	0.6125	0.611	-0.0015
465	0	Corr	0.6031	0.6035	0.0004
466	30	Biased	0.6103	0.6029	-0.0074
469	30	Biased	0.6109	0.5996	-0.0113
470	30	Biased	0.5901	0.5808	-0.0093
472	30	Biased	0.5914	0.5847	-0.0067
474	30	Biased	0.6096	0.6	-0.0096
475	30	Unbiased	0.6083	0.609	0.0007
477	30	Unbiased	0.6249	0.6243	-0.0006
478	30	Unbiased	0.6034	0.6009	-0.0025
479	30	Unbiased	0.6258	0.625	-0.0008
480	30	Unbiased	0.5976	0.597	-0.0006
481	10	Biased	0.6038	0.5993	-0.0045
482	10	Biased	0.6051	0.6003	-0.0048
483	10	Biased	0.607	0.6025	-0.0045
484	10	Biased	0.6034	0.6006	-0.0028
485	10	Biased	0.6148	0.6103	-0.0045
487	10	Unbiased	0.6031	0.6019	-0.0012
488	10	Unbiased	0.596	0.597	0.001
489	10	Unbiased	0.6145	0.6149	0.0004
490	10	Unbiased	0.5973	0.5967	-0.0006
491	10	Unbiased	0.6219	0.6214	-0.0005
492	3	Biased	0.6128	0.612	-0.0008
493	3	Biased	0.6041	0.6019	-0.0022
494	3	Biased	0.6167	0.6142	-0.0025
495	3	Biased	0.607	0.6058	-0.0012
496	3	Biased	0.6031	0.6006	-0.0025
497	3	Unbiased	0.6219	0.6211	-0.0008
498	3	Unbiased	0.6174	0.6162	-0.0012
499	3	Unbiased	0.6067	0.6058	-0.0009
500	3	Unbiased	0.619	0.6188	-0.0002
502	3	Unbiased	0.606	0.6055	-0.0005

Test Statistics (V)

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	0.6031	0.61337	0.6245	0.010726	0.6035	0.61217	0.622	0.009305	-0.0025	-0.0012	0.0004	0.0014731
3	0.6031	0.61147	0.6219	0.0068864	0.6006	0.61019	0.6211	0.0072255	-0.0025	-0.00128	-0.0002	0.00083106
10	0.596	0.60669	0.6219	0.0081326	0.5967	0.60449	0.6214	0.0082674	-0.0048	-0.0022	0.001	0.0022716
30	0.5901	0.60723	0.6258	0.012194	0.5808	0.60242	0.625	0.014372	-0.0113	-0.00481	0.0007	0.0045059
50	0.5917	0.60844	0.6317	0.014935	0.5831	0.60022	0.6279	0.014941	-0.0178	-0.00822	0.0017	0.0078429
100	0.5856	0.59862	0.6064	0.008086	0.5678	0.5876	0.6045	0.013246	-0.0214	-0.01102	0.0014	0.0096482

Device Test: 15.13 EN_VTH_FALLING(THRESHOLD|FALL/EN/14////@EN_VTH_FALLING)





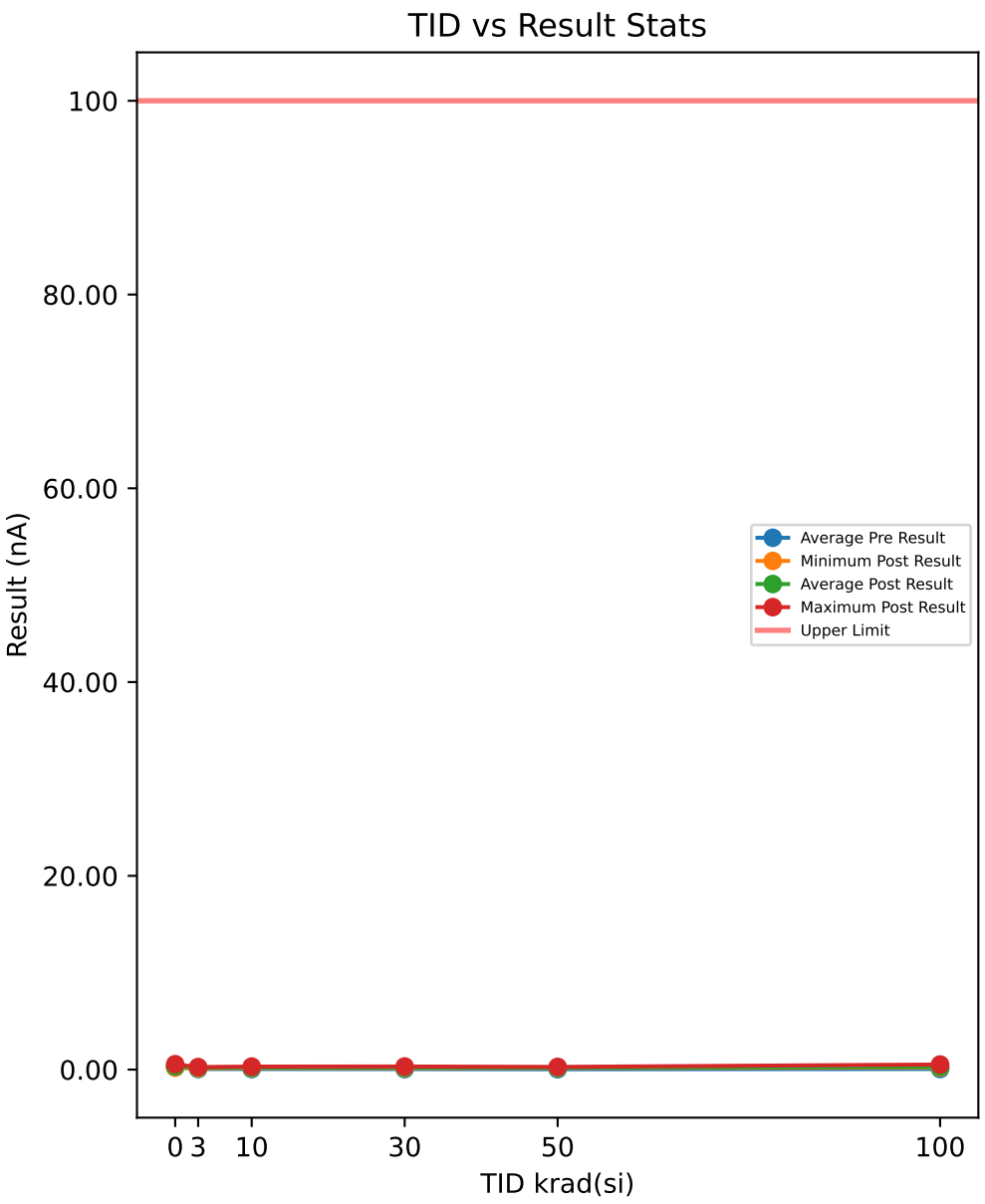
Test Results (Lower Limit = 0.455, Upper Limit = 0.554 (V))

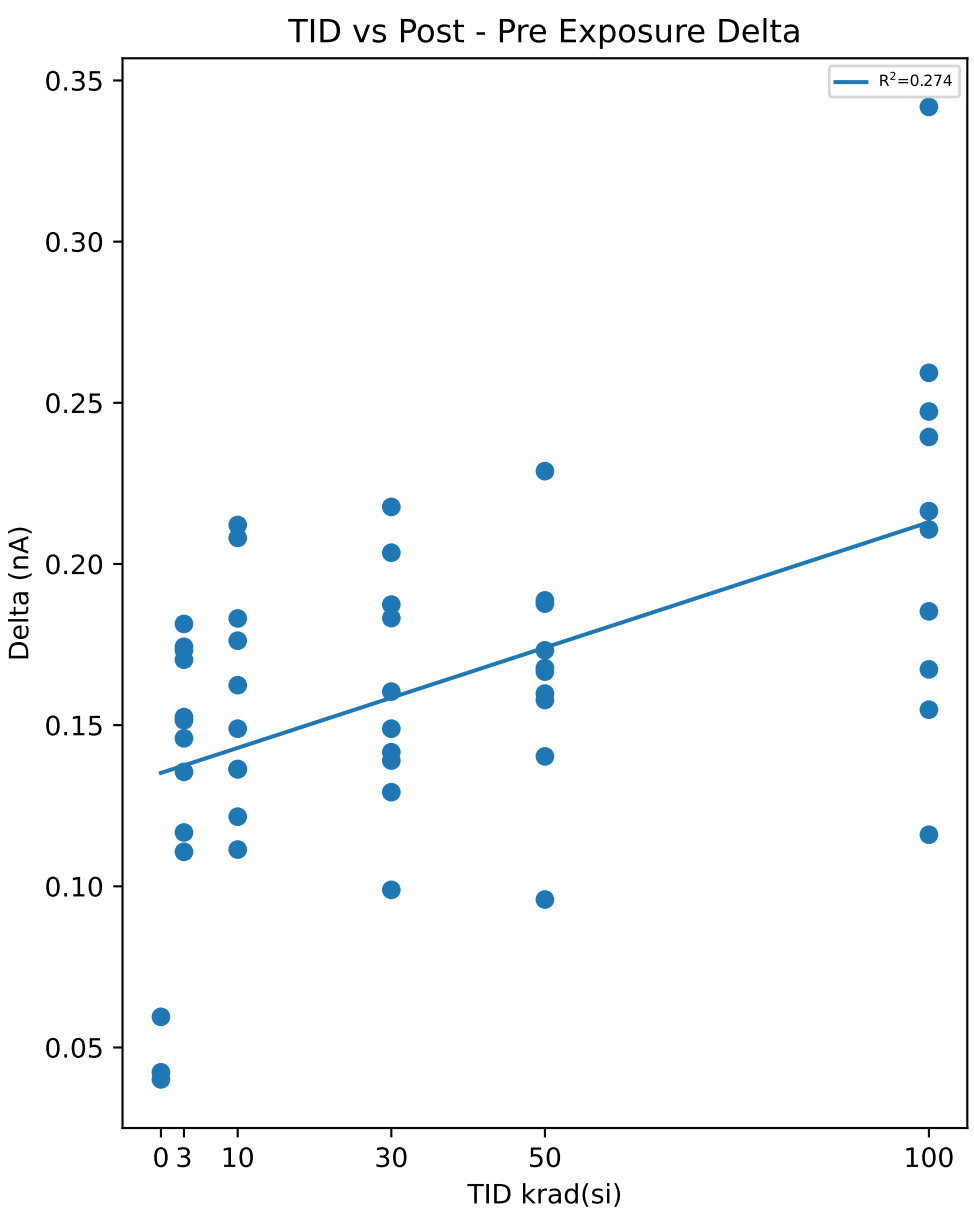
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
390	100	Biased	0.494	0.4746	-0.0194
392	100	Biased	0.4878	0.4694	-0.0184
393	100	Biased	0.5041	0.4847	-0.0194
394	100	Biased	0.492	0.4743	-0.0177
395	100	Biased	0.5063	0.4853	-0.021
412	100	Unbiased	0.5057	0.5035	-0.0022
413	100	Unbiased	0.4855	0.4876	0.0021
414	100	Unbiased	0.5015	0.5012	-0.0003
415	100	Unbiased	0.5057	0.5064	0.0007
416	100	Unbiased	0.5024	0.5012	-0.0012
417	50	Biased	0.505	0.4889	-0.0161
418	50	Biased	0.53	0.5165	-0.0135
419	50	Biased	0.5008	0.4847	-0.0161
421	50	Biased	0.5245	0.5116	-0.0129
422	50	Biased	0.5002	0.4863	-0.0139
423	50	Unbiased	0.4914	0.4912	-0.0002
424	50	Unbiased	0.532	0.5301	-0.0019
425	50	Unbiased	0.4943	0.4944	0.0001
426	50	Unbiased	0.5122	0.509	-0.0032
427	50	Unbiased	0.4963	0.498	0.0017
463	0	Corr	0.5222	0.5233	0.0011
464	0	Corr	0.5122	0.5126	0.0004
465	0	Corr	0.5041	0.5042	0.0001
466	30	Biased	0.5096	0.5029	-0.0067
469	30	Biased	0.5115	0.5032	-0.0083
470	30	Biased	0.4907	0.4808	-0.0099
472	30	Biased	0.492	0.4847	-0.0073
474	30	Biased	0.5093	0.4999	-0.0094
475	30	Unbiased	0.5089	0.51	0.0011
477	30	Unbiased	0.5242	0.5233	-0.0009
478	30	Unbiased	0.5031	0.5022	-0.0009
479	30	Unbiased	0.5261	0.5275	0.0014
480	30	Unbiased	0.4985	0.499	0.0005
481	10	Biased	0.5034	0.5009	-0.0025
482	10	Biased	0.5063	0.5025	-0.0038
483	10	Biased	0.5073	0.5045	-0.0028
484	10	Biased	0.5037	0.5019	-0.0018
485	10	Biased	0.5151	0.511	-0.0041
487	10	Unbiased	0.5037	0.5035	-0.0002
488	10	Unbiased	0.4969	0.498	0.0011
489	10	Unbiased	0.5141	0.5155	0.0014
490	10	Unbiased	0.4979	0.4973	-0.0006
491	10	Unbiased	0.5209	0.522	0.0011
492	3	Biased	0.5131	0.5133	0.0002
493	3	Biased	0.5037	0.5035	-0.0002
494	3	Biased	0.5174	0.5159	-0.0015
495	3	Biased	0.5083	0.5058	-0.0025
496	3	Biased	0.5028	0.5022	-0.0006
497	3	Unbiased	0.5232	0.5214	-0.0018
498	3	Unbiased	0.5183	0.5181	-0.0002
499	3	Unbiased	0.5073	0.5074	0.0001
500	3	Unbiased	0.5203	0.5201	-0.0002
502	3	Unbiased	0.506	0.5068	0.0008

Test Statistics (V)

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	0.5041	0.51283	0.5222	0.0090666	0.5042	0.51337	0.5233	0.0095731	0.0001	0.00053333	0.0011	0.00051316
3	0.5028	0.51204	0.5232	0.0073763	0.5022	0.51145	0.5214	0.0071491	-0.0025	-0.00059	0.0008	0.0010236
10	0.4969	0.50693	0.5209	0.007669	0.4973	0.50571	0.522	0.0079838	-0.0041	-0.00122	0.0014	0.0020676
30	0.4907	0.50739	0.5261	0.011894	0.4808	0.50335	0.5275	0.014584	-0.0099	-0.00404	0.0014	0.0046579
50	0.4914	0.50867	0.532	0.015156	0.4847	0.50107	0.5301	0.015056	-0.0161	-0.0076	0.0017	0.0074497
100	0.4855	0.4985	0.5063	0.0079308	0.4694	0.48882	0.5064	0.013549	-0.021	-0.00968	0.0021	0.010109

Device Test: 15.15 EN_LKG_CURR(LEAK|POWERED/EN/14////@EN_LKG_CURR)





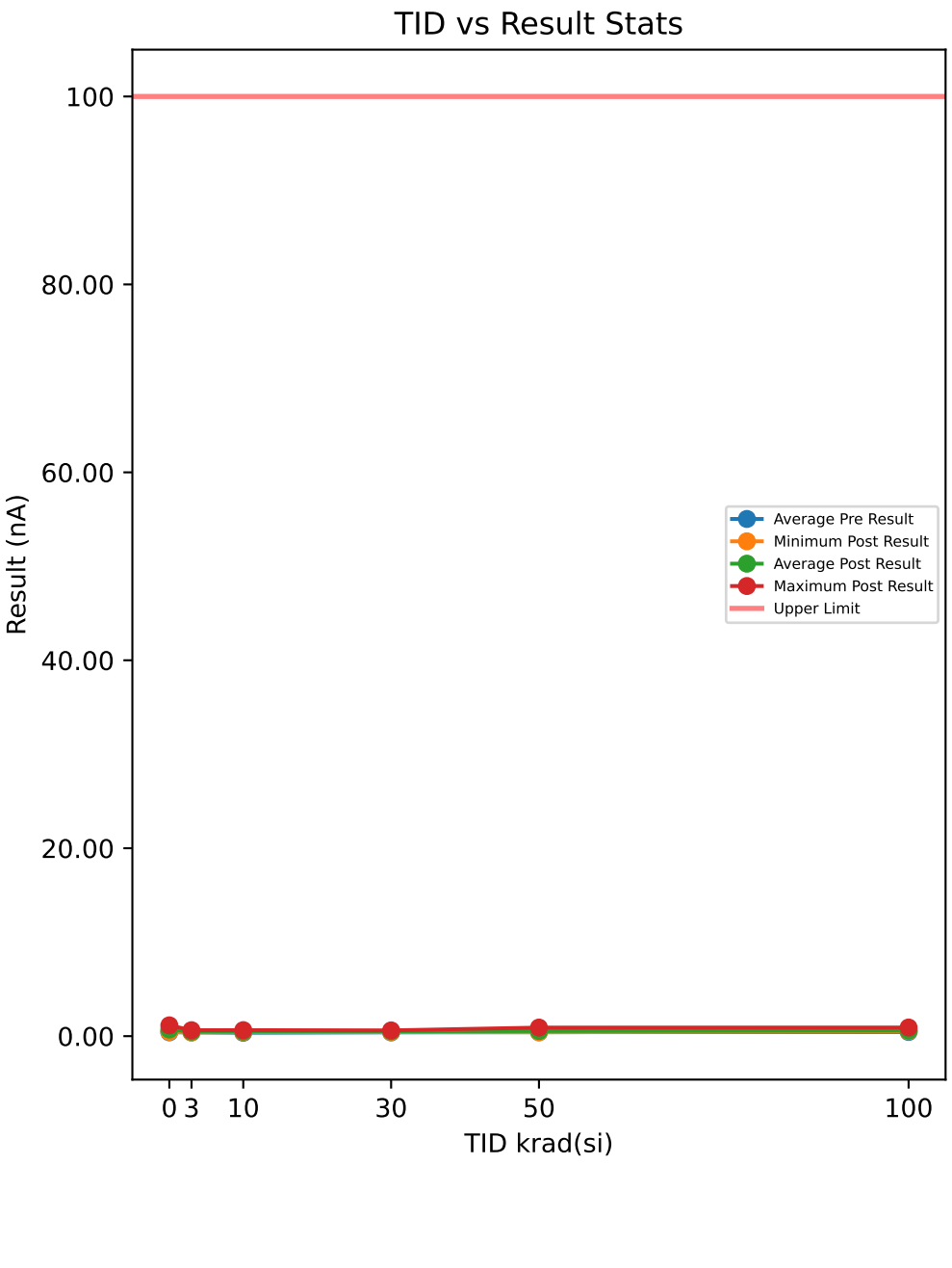
Test Results (Upper Limit = 100.0 (nA))

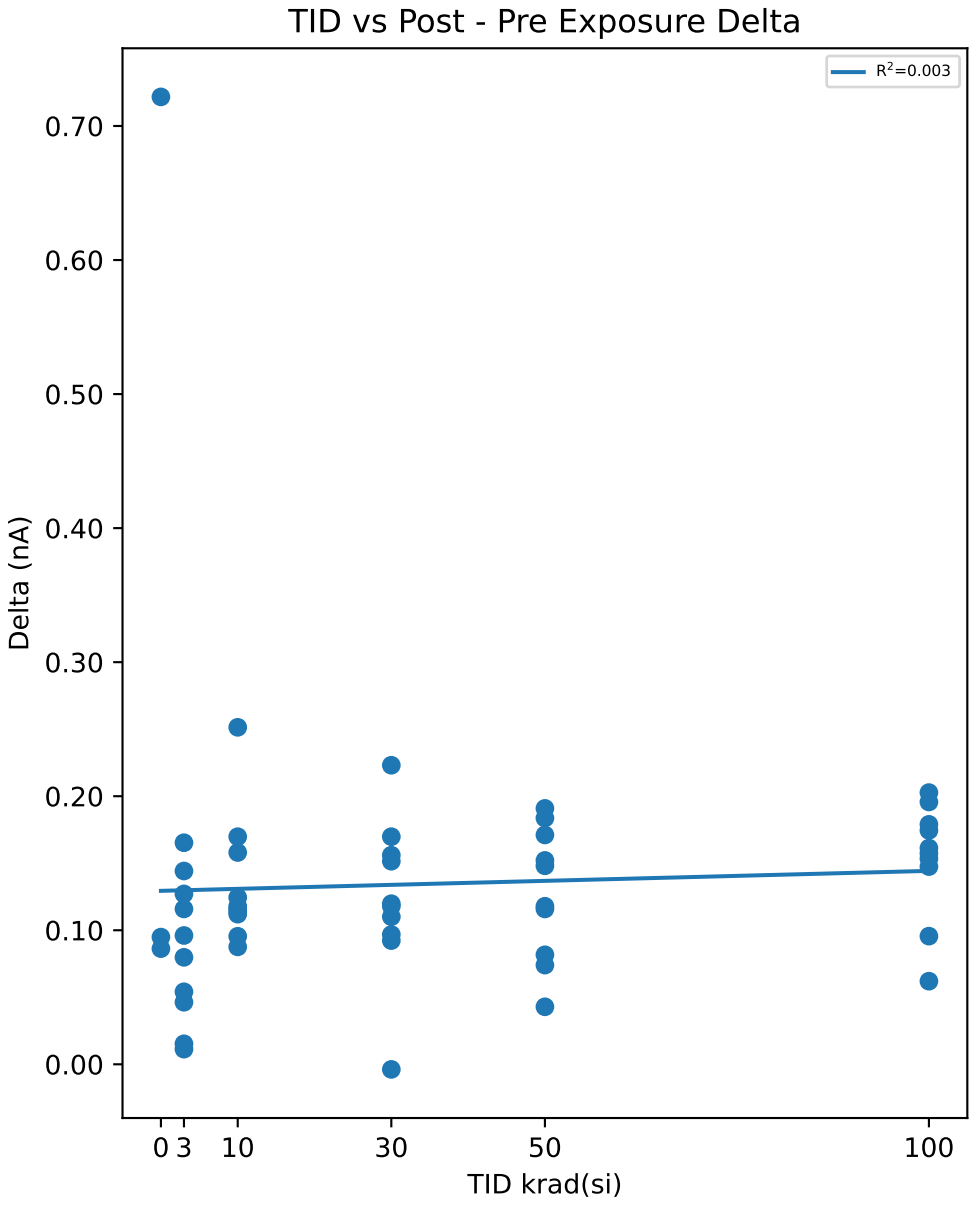
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
390	100	Biased	0.0533	0.2206	0.1673
392	100	Biased	-0.0135	0.2338	0.2473
393	100	Biased	0.0892	0.431	0.3418
394	100	Biased	0.2638	0.5231	0.2593
395	100	Biased	-0.003	0.2134	0.2164
412	100	Unbiased	0.0296	0.2403	0.2107
413	100	Unbiased	-0.0217	0.2177	0.2394
414	100	Unbiased	0.053	0.2078	0.1548
415	100	Unbiased	0.0642	0.2495	0.1853
416	100	Unbiased	0.0882	0.2042	0.116
417	50	Biased	0.0395	0.1798	0.1403
418	50	Biased	0.0592	0.217	0.1578
419	50	Biased	-0.0197	0.2091	0.2288
421	50	Biased	0.0724	0.1683	0.0959
422	50	Biased	0.0365	0.2042	0.1677
423	50	Unbiased	0.0178	0.1844	0.1666
424	50	Unbiased	-0.0046	0.1831	0.1877
425	50	Unbiased	0.0898	0.2785	0.1887
426	50	Unbiased	0.0207	0.1805	0.1598
427	50	Unbiased	0.0326	0.2058	0.1732
463	0	Corr	0.1388	0.1983	0.0595
464	0	Corr	0.1622	0.2045	0.0423
465	0	Corr	0.5152	0.5553	0.0401
466	30	Biased	0.0694	0.2729	0.2035
469	30	Biased	0.0191	0.1795	0.1604
470	30	Biased	0.0178	0.2052	0.1874
472	30	Biased	0.0503	0.1795	0.1292
474	30	Biased	-0.0135	0.1697	0.1832
475	30	Unbiased	0.1359	0.2348	0.0989
477	30	Unbiased	0.0155	0.1545	0.139
478	30	Unbiased	0.051	0.1999	0.1489
479	30	Unbiased	-0.0421	0.1756	0.2177
480	30	Unbiased	0.1783	0.3199	0.1416
481	10	Biased	0.1632	0.2995	0.1363
482	10	Biased	0.001	0.2091	0.2081
483	10	Biased	0.052	0.1634	0.1114
484	10	Biased	0.0622	0.1838	0.1216
485	10	Biased	0.0306	0.167	0.1364
487	10	Unbiased	0.0707	0.2196	0.1489
488	10	Unbiased	0.0428	0.219	0.1762
489	10	Unbiased	-0.0306	0.1815	0.2121
490	10	Unbiased	0.0526	0.215	0.1624
491	10	Unbiased	0.1299	0.313	0.1831
492	3	Biased	0.0842	0.2367	0.1525
493	3	Biased	0.0549	0.1904	0.1355
494	3	Biased	0.1326	0.2433	0.1107
495	3	Biased	-0.0089	0.1654	0.1743
496	3	Biased	0.0951	0.2466	0.1515
497	3	Unbiased	0.054	0.1999	0.1459
498	3	Unbiased	0.0849	0.2581	0.1732
499	3	Unbiased	0.0161	0.1328	0.1167
500	3	Unbiased	0.0484	0.2298	0.1814
502	3	Unbiased	0.0191	0.1894	0.1703

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	0.1388	0.27207	0.5152	0.21088	0.1983	0.31937	0.5553	0.20435	0.0401	0.0473	0.0595	0.010623
3	-0.0089	0.05804	0.1326	0.042444	0.1328	0.20924	0.2581	0.040443	0.1107	0.1512	0.1814	0.024498
10	-0.0306	0.05744	0.1632	0.056331	0.1634	0.21709	0.313	0.051462	0.1114	0.15965	0.2121	0.034812
30	-0.0421	0.04817	0.1783	0.066567	0.1545	0.20915	0.3199	0.052191	0.0989	0.16098	0.2177	0.036645
50	-0.0197	0.03442	0.0898	0.033455	0.1683	0.20107	0.2785	0.03144	0.0959	0.16665	0.2288	0.034417
100	-0.0217	0.06031	0.2638	0.081829	0.2042	0.27414	0.5231	0.11005	0.116	0.21383	0.3418	0.063481

Device Test: 15.16 ILIM_LKG_CURR(LEAK|POWERED/ILIM/14////@ILIM_LKG_CURR)





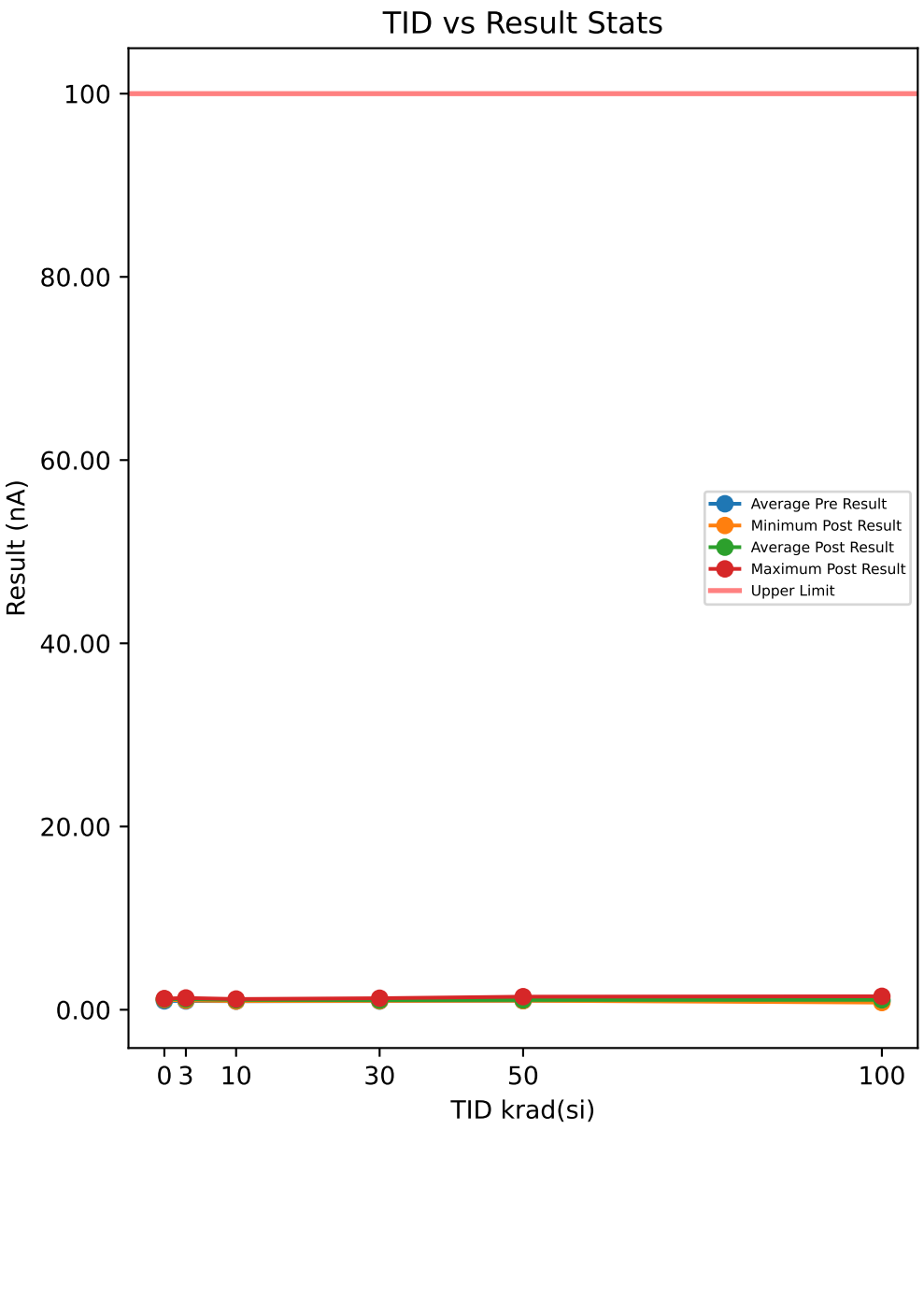
Test Results (Upper Limit = 100.0 (nA))

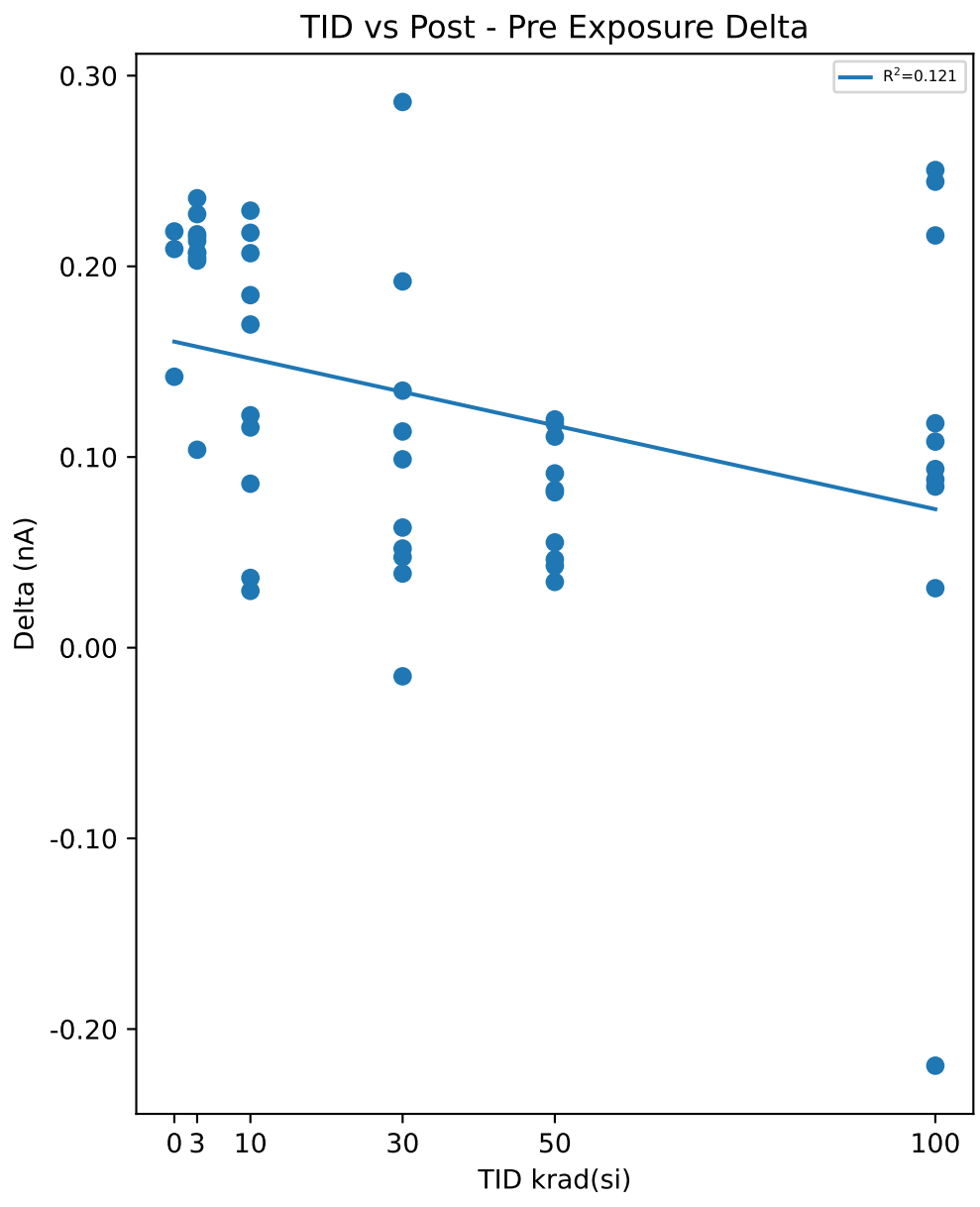
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
390	100	Biased	0.7212	0.9169	0.1957
392	100	Biased	0.4339	0.5295	0.0956
393	100	Biased	0.5056	0.6669	0.1613
394	100	Biased	0.384	0.563	0.179
395	100	Biased	0.4063	0.5808	0.1745
412	100	Unbiased	0.3813	0.5288	0.1475
413	100	Unbiased	0.3872	0.5406	0.1534
414	100	Unbiased	0.4694	0.5314	0.062
415	100	Unbiased	0.3892	0.5466	0.1574
416	100	Unbiased	0.3603	0.563	0.2027
417	50	Biased	0.4359	0.5176	0.0817
418	50	Biased	0.384	0.5749	0.1909
419	50	Biased	0.3662	0.5143	0.1481
421	50	Biased	0.407	0.5229	0.1159
422	50	Biased	0.3419	0.494	0.1521
423	50	Unbiased	0.3721	0.49	0.1179
424	50	Unbiased	0.8363	0.9103	0.074
425	50	Unbiased	0.3688	0.4117	0.0429
426	50	Unbiased	0.3406	0.5117	0.1711
427	50	Unbiased	0.3517	0.5354	0.1837
463	0	Corr	0.3642	0.4591	0.0949
464	0	Corr	0.4267	1.1484	0.7217
465	0	Corr	0.4313	0.5176	0.0863
466	30	Biased	0.4602	0.6117	0.1515
469	30	Biased	0.3833	0.5012	0.1179
470	30	Biased	0.3866	0.5564	0.1698
472	30	Biased	0.336	0.492	0.156
474	30	Biased	0.3938	0.4861	0.0923
475	30	Unbiased	0.4569	0.567	0.1101
477	30	Unbiased	0.3978	0.5176	0.1198
478	30	Unbiased	0.4418	0.438	-0.0038
479	30	Unbiased	0.405	0.5018	0.0968
480	30	Unbiased	0.3287	0.5518	0.2231
481	10	Biased	0.2913	0.4611	0.1698
482	10	Biased	0.3333	0.4209	0.0876
483	10	Biased	0.3412	0.4367	0.0955
484	10	Biased	0.3432	0.4571	0.1139
485	10	Biased	0.4372	0.5531	0.1159
487	10	Unbiased	0.3866	0.638	0.2514
488	10	Unbiased	0.3379	0.4624	0.1245
489	10	Unbiased	0.3649	0.5229	0.158
490	10	Unbiased	0.3879	0.4999	0.112
491	10	Unbiased	0.357	0.4749	0.1179
492	3	Biased	0.4096	0.4209	0.0113
493	3	Biased	0.4089	0.4887	0.0798
494	3	Biased	0.3767	0.392	0.0153
495	3	Biased	0.5858	0.6321	0.0463
496	3	Biased	0.38	0.4341	0.0541
497	3	Unbiased	0.3807	0.4768	0.0961
498	3	Unbiased	0.4122	0.5393	0.1271
499	3	Unbiased	0.3912	0.5354	0.1442
500	3	Unbiased	0.3287	0.494	0.1653
502	3	Unbiased	0.307	0.4229	0.1159

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	0.3642	0.4074	0.4313	0.037483	0.4591	0.70837	1.1484	0.3822	0.0863	0.30097	0.7217	0.36439
3	0.307	0.39808	0.5858	0.074484	0.392	0.48362	0.6321	0.07186	0.0113	0.08554	0.1653	0.053302
10	0.2913	0.35805	0.4372	0.039437	0.4209	0.4927	0.638	0.064564	0.0876	0.13465	0.2514	0.048116
30	0.3287	0.39901	0.4602	0.045099	0.438	0.52236	0.6117	0.049717	-0.0038	0.12335	0.2231	0.059647
50	0.3406	0.42045	0.8363	0.14903	0.4117	0.54828	0.9103	0.13375	0.0429	0.12783	0.1909	0.049946
100	0.3603	0.44384	0.7212	0.10727	0.5288	0.59675	0.9169	0.11973	0.062	0.15291	0.2027	0.043622

Device Test: 15.2 ILIM_LKG_CURR(LEAK|UNPOWERED/ILIM/0////@ILIM_LKG_CURR)





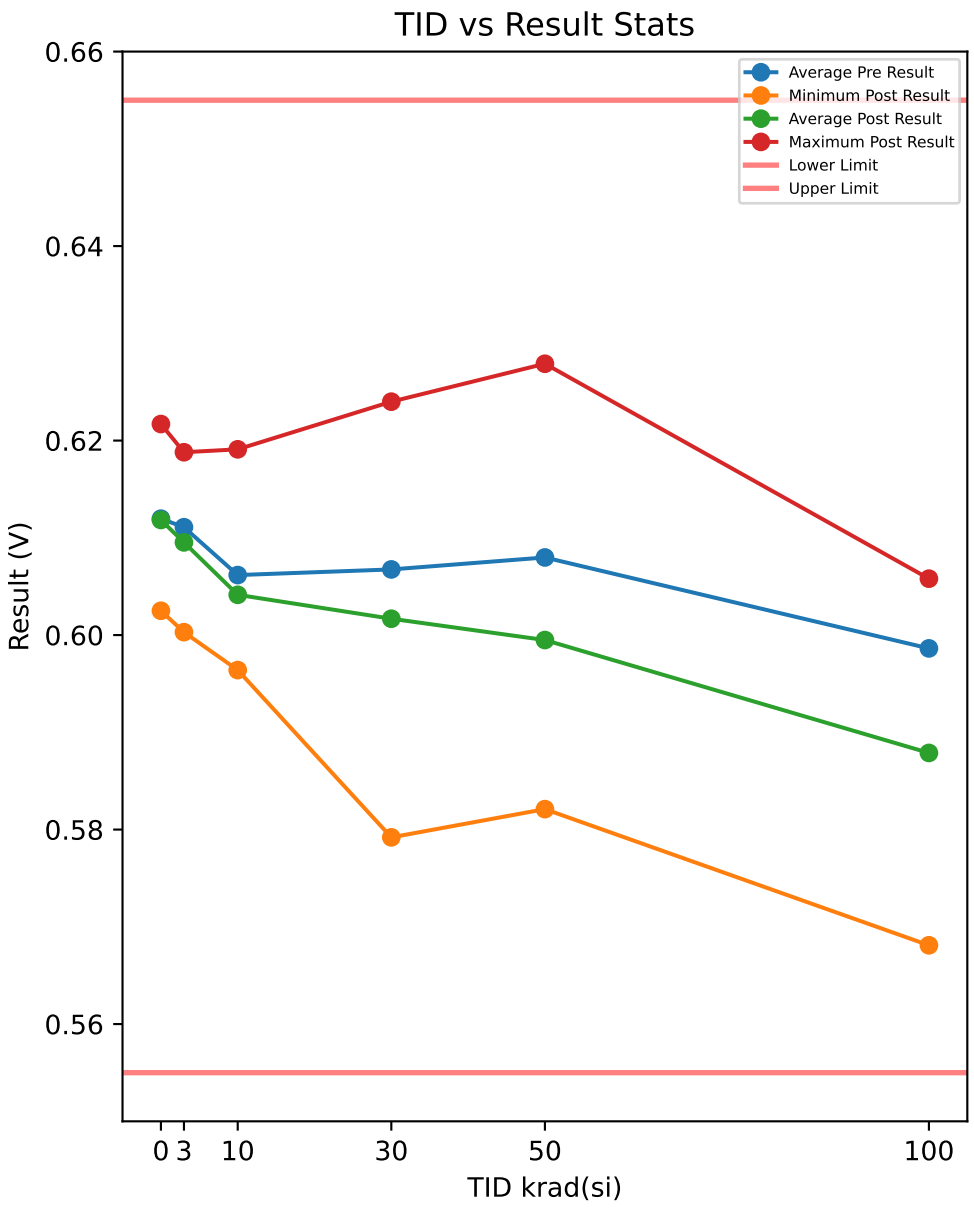
Test Results (Upper Limit = 100.0 (nA))

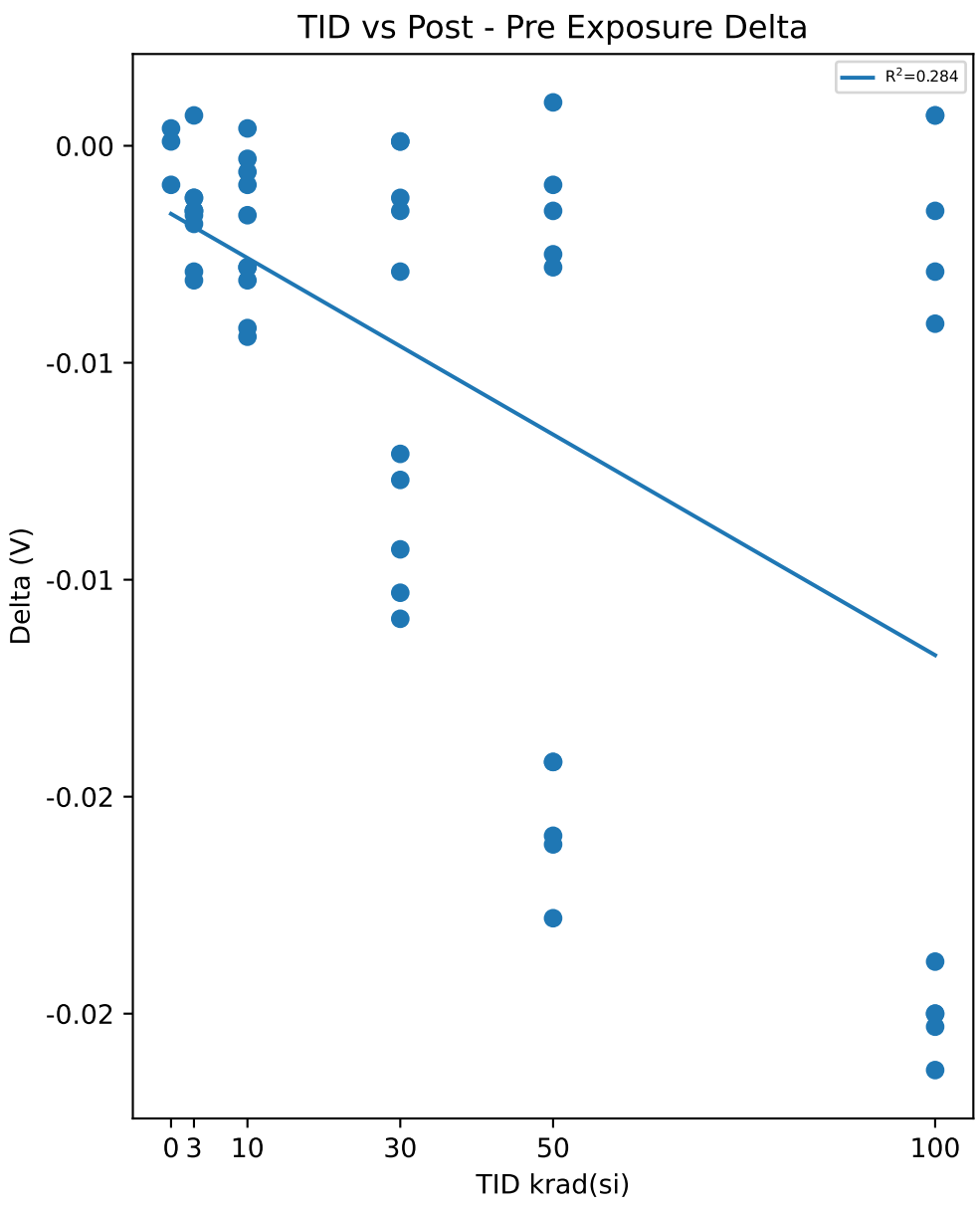
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
390	100	Biased	1.2161	1.4666	0.2505
392	100	Biased	0.949	1.1934	0.2444
393	100	Biased	1.0024	0.7832	-0.2192
394	100	Biased	0.9606	1.0488	0.0882
395	100	Biased	0.9265	1.0202	0.0937
412	100	Unbiased	0.9118	1.0295	0.1177
413	100	Unbiased	0.9009	1.1171	0.2162
414	100	Unbiased	0.9768	1.0849	0.1081
415	100	Unbiased	0.9865	1.071	0.0845
416	100	Unbiased	0.9832	1.0144	0.0312
417	50	Biased	0.9515	1.0342	0.0827
418	50	Biased	0.9965	1.114	0.1175
419	50	Biased	0.8688	0.9885	0.1197
421	50	Biased	0.9776	1.0328	0.0552
422	50	Biased	0.8869	0.9976	0.1107
423	50	Unbiased	0.9724	1.0069	0.0345
424	50	Unbiased	1.3835	1.4264	0.0429
425	50	Unbiased	0.9481	0.9944	0.0463
426	50	Unbiased	0.9447	1.0262	0.0815
427	50	Unbiased	0.9771	1.0685	0.0914
463	0	Corr	0.9398	1.1489	0.2091
464	0	Corr	0.9594	1.1015	0.1421
465	0	Corr	1.0001	1.2184	0.2183
466	30	Biased	1.048	1.0955	0.0475
469	30	Biased	0.987	0.972	-0.015
470	30	Biased	0.9015	1.0003	0.0988
472	30	Biased	0.971	1.2572	0.2862
474	30	Biased	0.9176	1.031	0.1134
475	30	Unbiased	0.9677	1.0307	0.063
477	30	Unbiased	1.0012	1.0532	0.052
478	30	Unbiased	0.9573	0.9962	0.0389
479	30	Unbiased	0.854	1.0461	0.1921
480	30	Unbiased	0.9092	1.044	0.1348
481	10	Biased	1.0034	1.1189	0.1155
482	10	Biased	0.859	0.945	0.086
483	10	Biased	0.9192	1.1261	0.2069
484	10	Biased	0.9429	1.1605	0.2176
485	10	Biased	0.9276	0.9642	0.0366
487	10	Unbiased	1.072	1.1018	0.0298
488	10	Unbiased	0.8846	1.0065	0.1219
489	10	Unbiased	0.8692	1.0541	0.1849
490	10	Unbiased	0.9404	1.1696	0.2292
491	10	Unbiased	0.9738	1.1433	0.1695
492	3	Biased	0.9184	1.0222	0.1038
493	3	Biased	0.9321	1.1678	0.2357
494	3	Biased	0.9082	1.1215	0.2133
495	3	Biased	1.0687	1.2841	0.2154
496	3	Biased	0.9379	1.145	0.2071
497	3	Unbiased	0.9552	1.1582	0.203
498	3	Unbiased	0.9771	1.2045	0.2274
499	3	Unbiased	0.9683	1.1755	0.2072
500	3	Unbiased	0.978	1.1948	0.2168
502	3	Unbiased	0.9444	1.1489	0.2045

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	0.9398	0.96643	1.0001	0.030759	1.1015	1.1563	1.2184	0.058797	0.1421	0.18983	0.2183	0.041593
3	0.9082	0.95883	1.0687	0.045258	1.0222	1.1623	1.2841	0.066387	0.1038	0.20342	0.2357	0.0365
10	0.859	0.93921	1.072	0.064822	0.945	1.079	1.1696	0.081872	0.0298	0.13979	0.2292	0.073044
30	0.854	0.95145	1.048	0.056434	0.972	1.0526	1.2572	0.079706	-0.015	0.10117	0.2862	0.086871
50	0.8688	0.99071	1.3835	0.1438	0.9885	1.0689	1.4264	0.13128	0.0345	0.07824	0.1197	0.032026
100	0.9009	0.98138	1.2161	0.089067	0.7832	1.0829	1.4666	0.17101	-0.2192	0.10153	0.2505	0.13515

Device Test: 15.3 EN_VTH_RISING(THRESHOLD|RISE/EN/4.5////@EN_VTH_RISING)





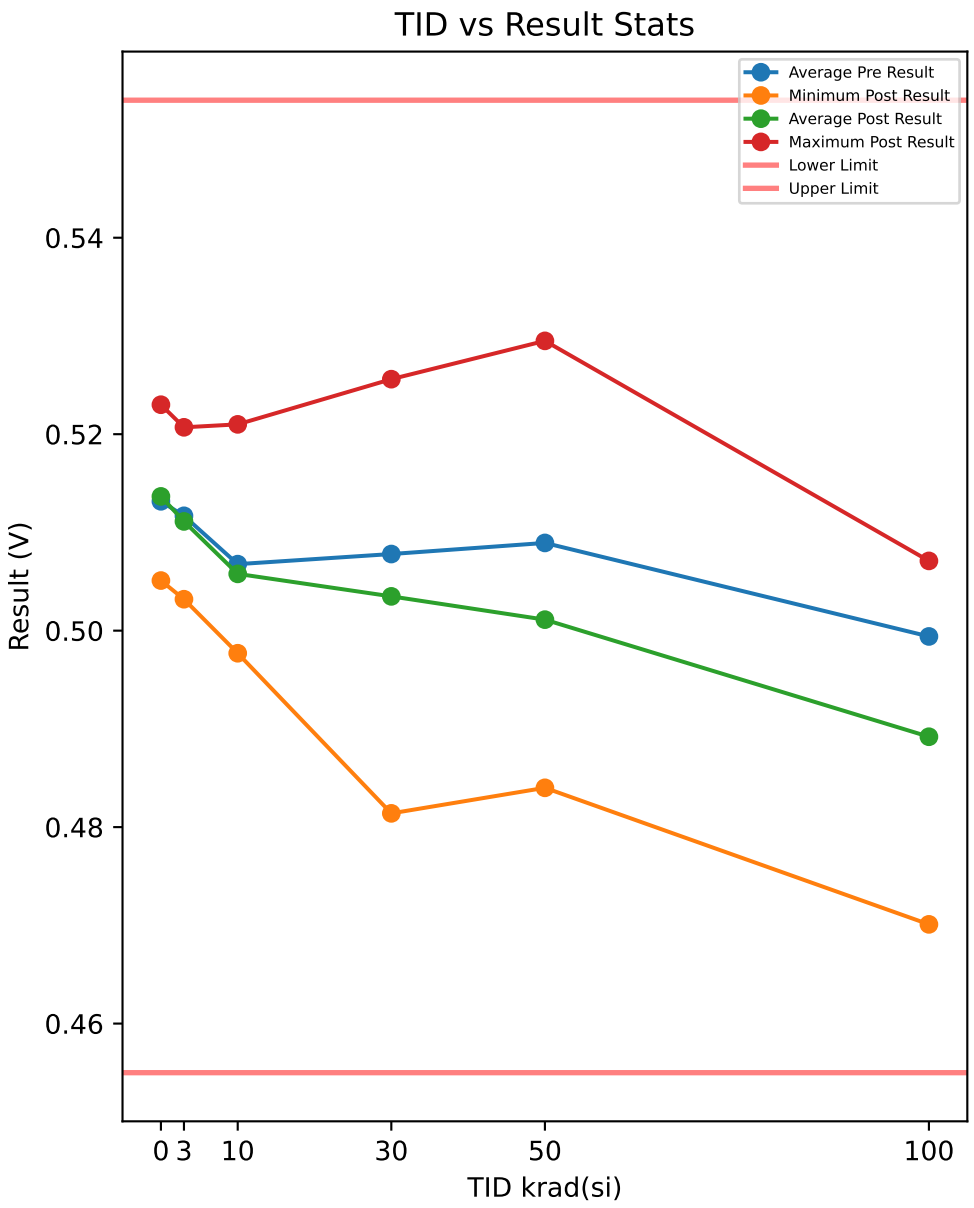
Test Results (Lower Limit = 0.555, Upper Limit = 0.655 (V))

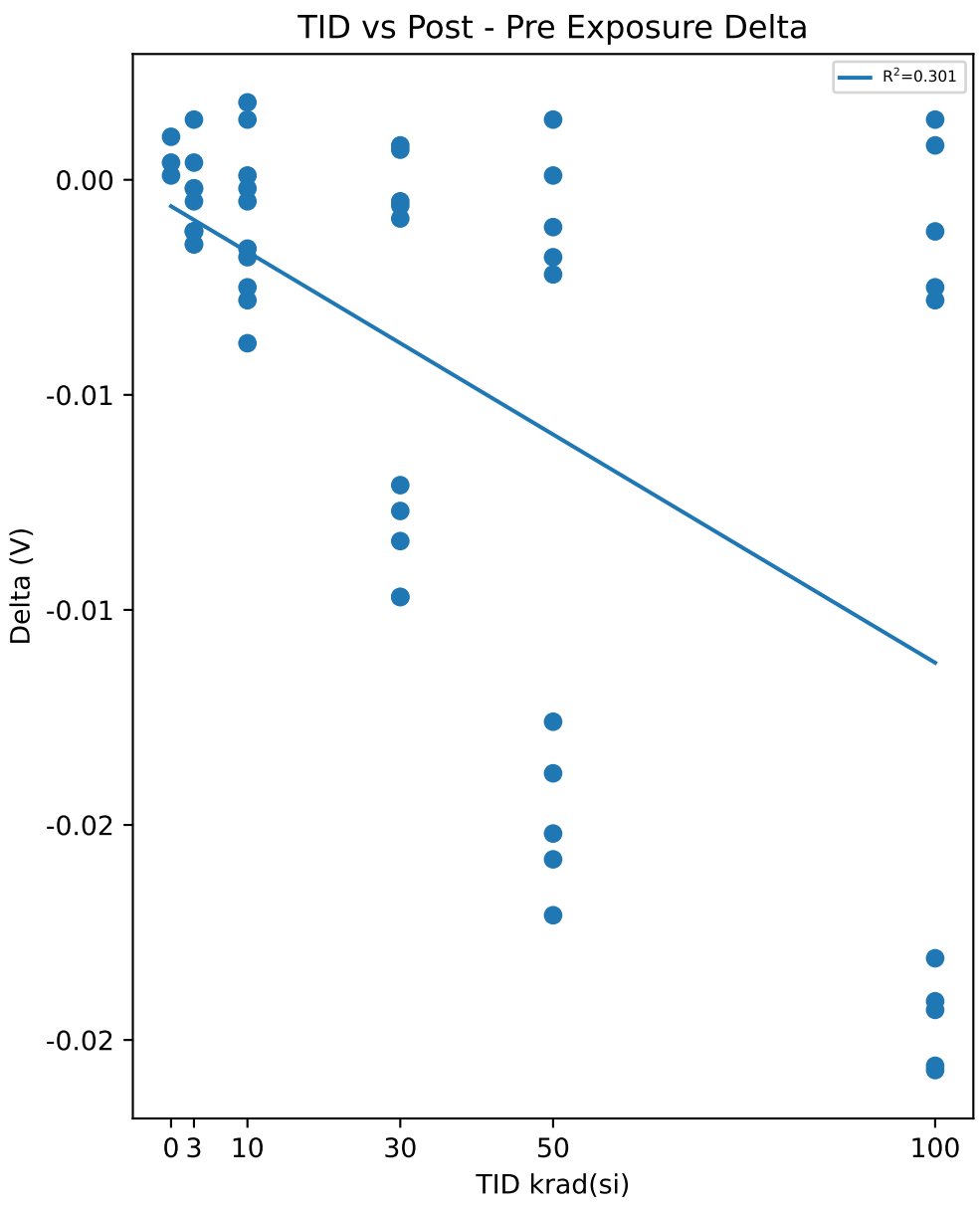
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
390	100	Biased	0.5943	0.574	-0.0203
392	100	Biased	0.5869	0.5681	-0.0188
393	100	Biased	0.6044	0.5844	-0.02
394	100	Biased	0.5927	0.5727	-0.02
395	100	Biased	0.607	0.5857	-0.0213
412	100	Unbiased	0.6057	0.6016	-0.0041
413	100	Unbiased	0.5872	0.5879	0.0007
414	100	Unbiased	0.6005	0.599	-0.0015
415	100	Unbiased	0.6051	0.6058	0.0007
416	100	Unbiased	0.6025	0.5996	-0.0029
417	50	Biased	0.6047	0.5886	-0.0161
418	50	Biased	0.6278	0.6136	-0.0142
419	50	Biased	0.5999	0.5821	-0.0178
421	50	Biased	0.6232	0.609	-0.0142
422	50	Biased	0.5999	0.584	-0.0159
423	50	Unbiased	0.5927	0.5912	-0.0015
424	50	Unbiased	0.6307	0.6279	-0.0028
425	50	Unbiased	0.5953	0.5944	-0.0009
426	50	Unbiased	0.6096	0.6071	-0.0025
427	50	Unbiased	0.596	0.597	0.001
463	0	Corr	0.6226	0.6217	-0.0009
464	0	Corr	0.6112	0.6113	0.0001
465	0	Corr	0.6021	0.6025	0.0004
466	30	Biased	0.6096	0.6019	-0.0077
469	30	Biased	0.6103	0.6	-0.0103
470	30	Biased	0.5901	0.5792	-0.0109
472	30	Biased	0.5927	0.5834	-0.0093
474	30	Biased	0.6077	0.6006	-0.0071
475	30	Unbiased	0.6083	0.6084	0.0001
477	30	Unbiased	0.6216	0.6217	0.0001
478	30	Unbiased	0.6025	0.5996	-0.0029
479	30	Unbiased	0.6252	0.624	-0.0012
480	30	Unbiased	0.5995	0.598	-0.0015
481	10	Biased	0.6018	0.599	-0.0028
482	10	Biased	0.6047	0.6016	-0.0031
483	10	Biased	0.6067	0.6025	-0.0042
484	10	Biased	0.6034	0.599	-0.0044
485	10	Biased	0.6135	0.6107	-0.0028
487	10	Unbiased	0.6038	0.6022	-0.0016
488	10	Unbiased	0.5973	0.5964	-0.0009
489	10	Unbiased	0.6145	0.6139	-0.0006
490	10	Unbiased	0.5973	0.597	-0.0003
491	10	Unbiased	0.6187	0.6191	0.0004
492	3	Biased	0.6135	0.612	-0.0015
493	3	Biased	0.6034	0.6003	-0.0031
494	3	Biased	0.6158	0.6146	-0.0012
495	3	Biased	0.6067	0.6038	-0.0029
496	3	Biased	0.6034	0.6019	-0.0015
497	3	Unbiased	0.6206	0.6188	-0.0018
498	3	Unbiased	0.6154	0.6142	-0.0012
499	3	Unbiased	0.6054	0.6061	0.0007
500	3	Unbiased	0.6203	0.6188	-0.0015
502	3	Unbiased	0.6064	0.6048	-0.0016

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	0.6021	0.61197	0.6226	0.010271	0.6025	0.61183	0.6217	0.0096111	-0.0009	-0.00013333	0.0004	0.00068069
3	0.6034	0.61109	0.6206	0.0067803	0.6003	0.60953	0.6188	0.0069591	-0.0031	-0.00156	0.0007	0.001033
10	0.5973	0.60617	0.6187	0.0072442	0.5964	0.60414	0.6191	0.0077368	-0.0044	-0.00203	0.0004	0.0016687
30	0.5901	0.60675	0.6252	0.011206	0.5792	0.60168	0.624	0.014164	-0.0109	-0.00507	0.0001	0.0044242
50	0.5927	0.60798	0.6307	0.01423	0.5821	0.59949	0.6279	0.014592	-0.0178	-0.00849	0.001	0.0076702
100	0.5869	0.59863	0.607	0.0077159	0.5681	0.58788	0.6058	0.01334	-0.0213	-0.01075	0.0007	0.0099557

Device Test: 15.4 EN_VTH_FALLING(THRESHOLD|FALL/EN/4.5////@EN_VTH_FALLING)





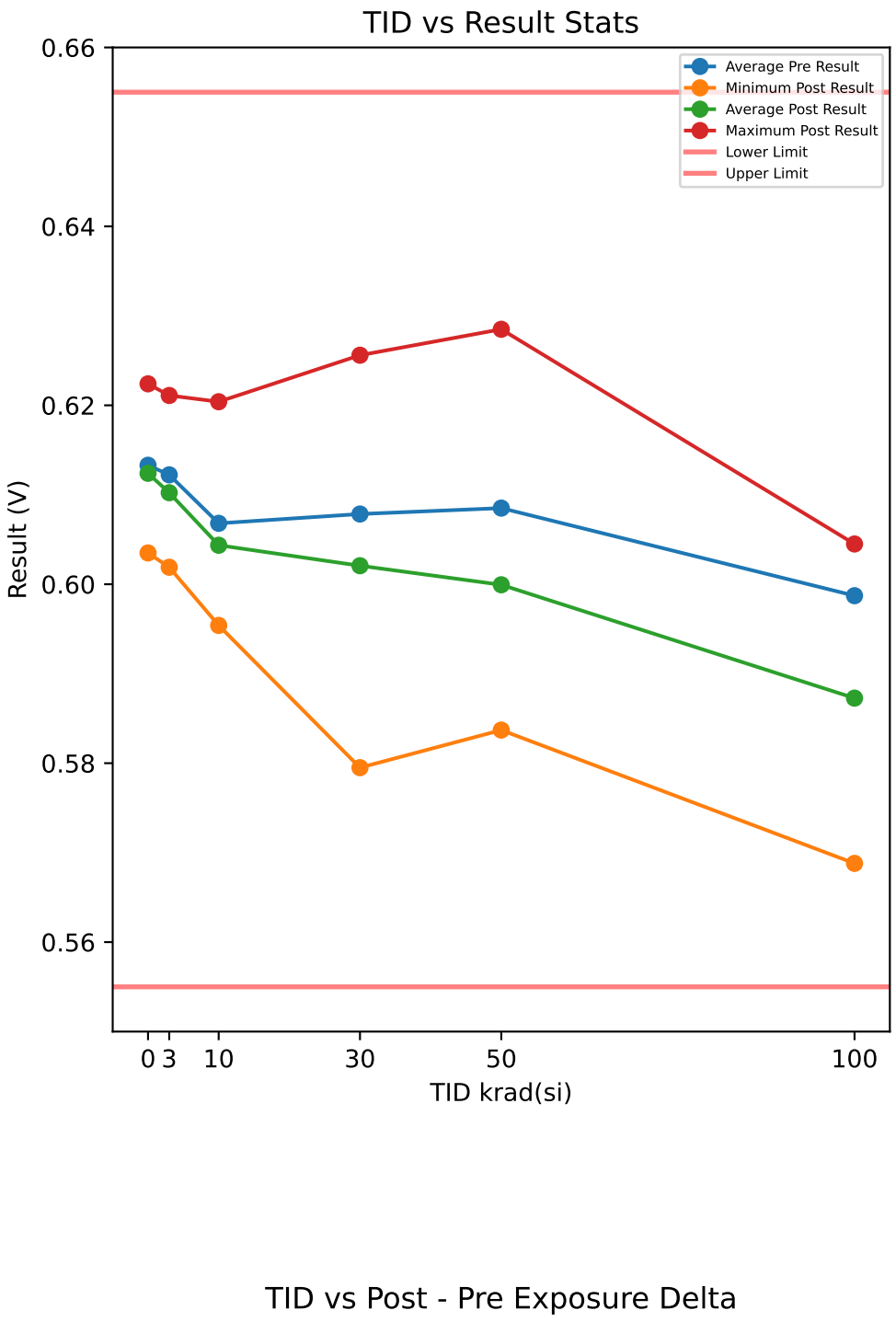
Test Results (Lower Limit = 0.455, Upper Limit = 0.554 (V))

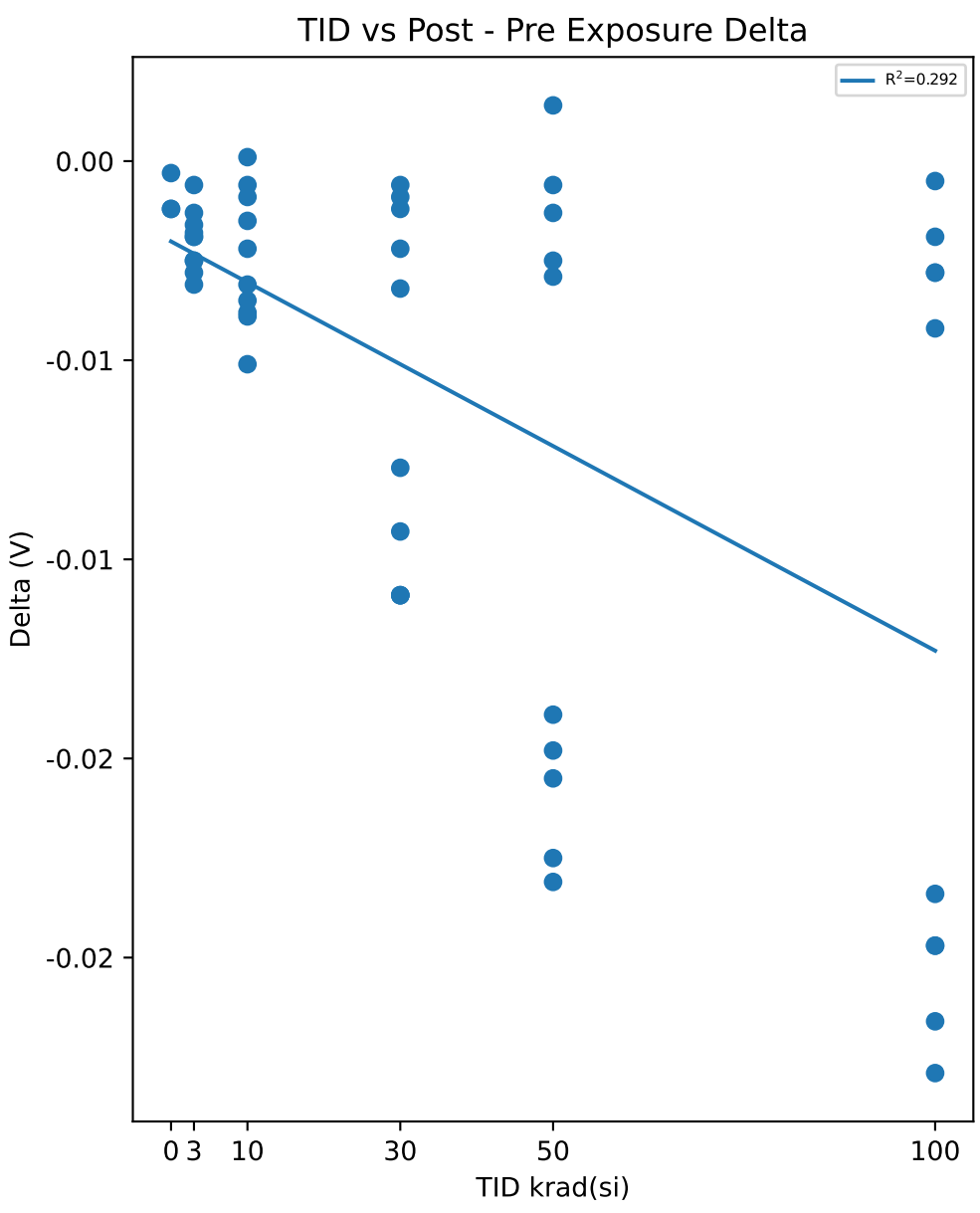
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
390	100	Biased	0.4956	0.4749	-0.0207
392	100	Biased	0.4894	0.4701	-0.0193
393	100	Biased	0.5041	0.485	-0.0191
394	100	Biased	0.4937	0.4756	-0.0181
395	100	Biased	0.5063	0.4857	-0.0206
412	100	Unbiased	0.5057	0.5032	-0.0025
413	100	Unbiased	0.4888	0.4902	0.0014
414	100	Unbiased	0.5008	0.4996	-0.0012
415	100	Unbiased	0.5063	0.5071	0.0008
416	100	Unbiased	0.5034	0.5006	-0.0028
417	50	Biased	0.5054	0.4896	-0.0158
418	50	Biased	0.5294	0.5142	-0.0152
419	50	Biased	0.5011	0.484	-0.0171
421	50	Biased	0.5239	0.5113	-0.0126
422	50	Biased	0.5008	0.487	-0.0138
423	50	Unbiased	0.4933	0.4922	-0.0011
424	50	Unbiased	0.5313	0.5295	-0.0018
425	50	Unbiased	0.4963	0.4964	0.0001
426	50	Unbiased	0.5112	0.509	-0.0022
427	50	Unbiased	0.4966	0.498	0.0014
463	0	Corr	0.5226	0.523	0.0004
464	0	Corr	0.5128	0.5129	0.0001
465	0	Corr	0.5041	0.5051	0.001
466	30	Biased	0.5109	0.5038	-0.0071
469	30	Biased	0.5122	0.5025	-0.0097
470	30	Biased	0.4911	0.4814	-0.0097
472	30	Biased	0.4937	0.4853	-0.0084
474	30	Biased	0.5089	0.5012	-0.0077
475	30	Unbiased	0.5083	0.509	0.0007
477	30	Unbiased	0.5239	0.5233	-0.0006
478	30	Unbiased	0.5037	0.5032	-0.0005
479	30	Unbiased	0.5248	0.5256	0.0008
480	30	Unbiased	0.5005	0.4996	-0.0009
481	10	Biased	0.5028	0.5012	-0.0016
482	10	Biased	0.5063	0.5025	-0.0038
483	10	Biased	0.5067	0.5042	-0.0025
484	10	Biased	0.5037	0.5019	-0.0018
485	10	Biased	0.5144	0.5116	-0.0028
487	10	Unbiased	0.5037	0.5032	-0.0005
488	10	Unbiased	0.4982	0.4983	0.0001
489	10	Unbiased	0.5144	0.5162	0.0018
490	10	Unbiased	0.4979	0.4977	-0.0002
491	10	Unbiased	0.5196	0.521	0.0014
492	3	Biased	0.5141	0.5129	-0.0012
493	3	Biased	0.5047	0.5032	-0.0015
494	3	Biased	0.5174	0.5159	-0.0015
495	3	Biased	0.5063	0.5051	-0.0012
496	3	Biased	0.5034	0.5032	-0.0002
497	3	Unbiased	0.5213	0.5201	-0.0012
498	3	Unbiased	0.5177	0.5172	-0.0005
499	3	Unbiased	0.5057	0.5071	0.0014
500	3	Unbiased	0.5203	0.5207	0.0004
502	3	Unbiased	0.506	0.5058	-0.0002

Test Statistics (V)

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	0.5041	0.51317	0.5226	0.0092554	0.5051	0.51367	0.523	0.0089746	0.0001	0.0005	0.001	0.00045826
3	0.5034	0.51169	0.5213	0.0071173	0.5032	0.51112	0.5207	0.0070044	-0.0015	-0.00057	0.0014	0.00094405
10	0.4979	0.50677	0.5196	0.0072111	0.4977	0.50578	0.521	0.0078264	-0.0038	-0.00099	0.0018	0.0018266
30	0.4911	0.5078	0.5248	0.011187	0.4814	0.50349	0.5256	0.013952	-0.0097	-0.00431	0.0008	0.0045366
50	0.4933	0.50893	0.5313	0.014315	0.484	0.50112	0.5295	0.014449	-0.0171	-0.00781	0.0014	0.0076274
100	0.4888	0.49941	0.5063	0.0069462	0.4701	0.4892	0.5071	0.01308	-0.0207	-0.01021	0.0014	0.0099635

Device Test: 15.6 EN_VTH_RISING(THRESHOLD|RISE/EN/5////@EN_VTH_RISING)





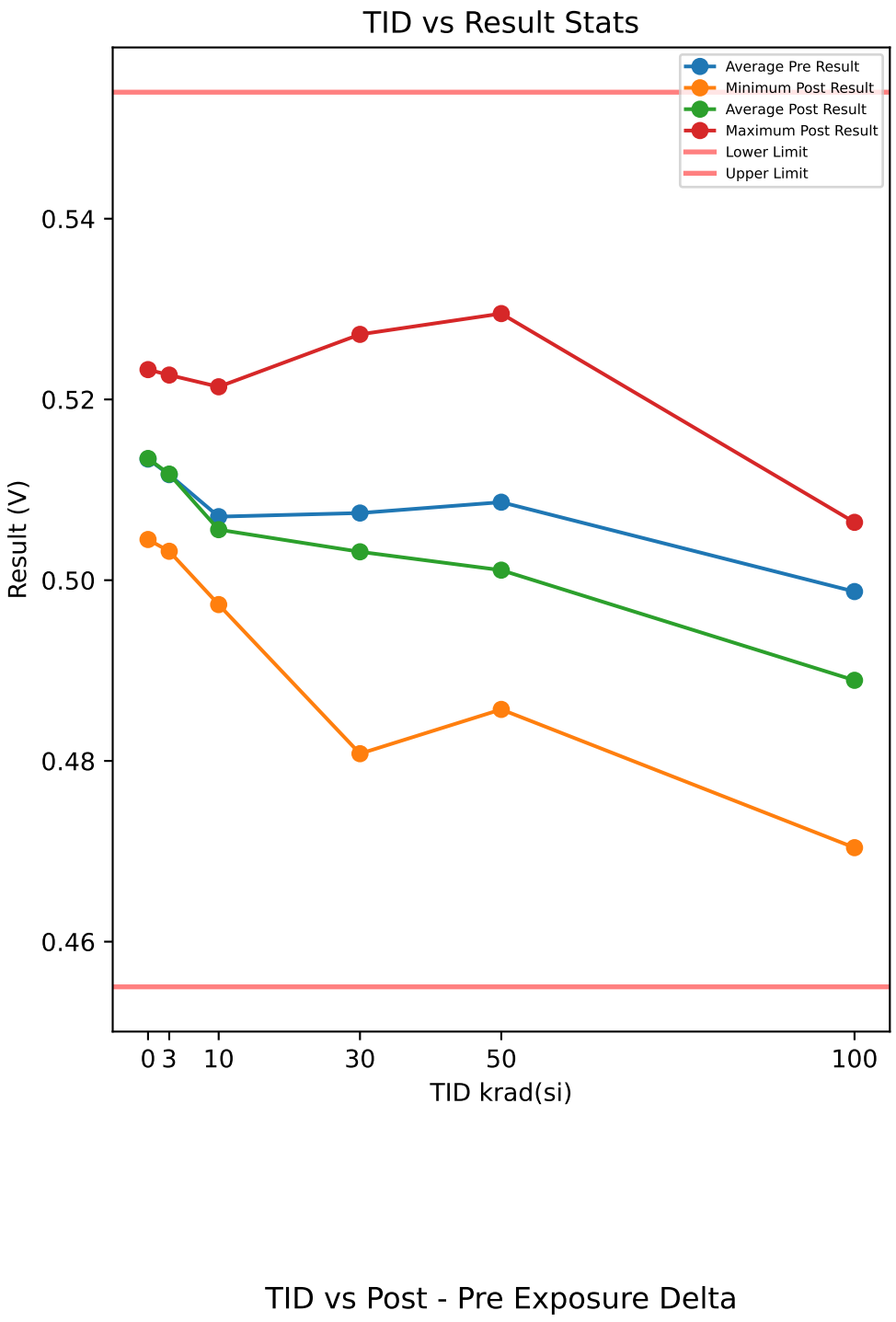
Test Results (Lower Limit = 0.555, Upper Limit = 0.655 (V))

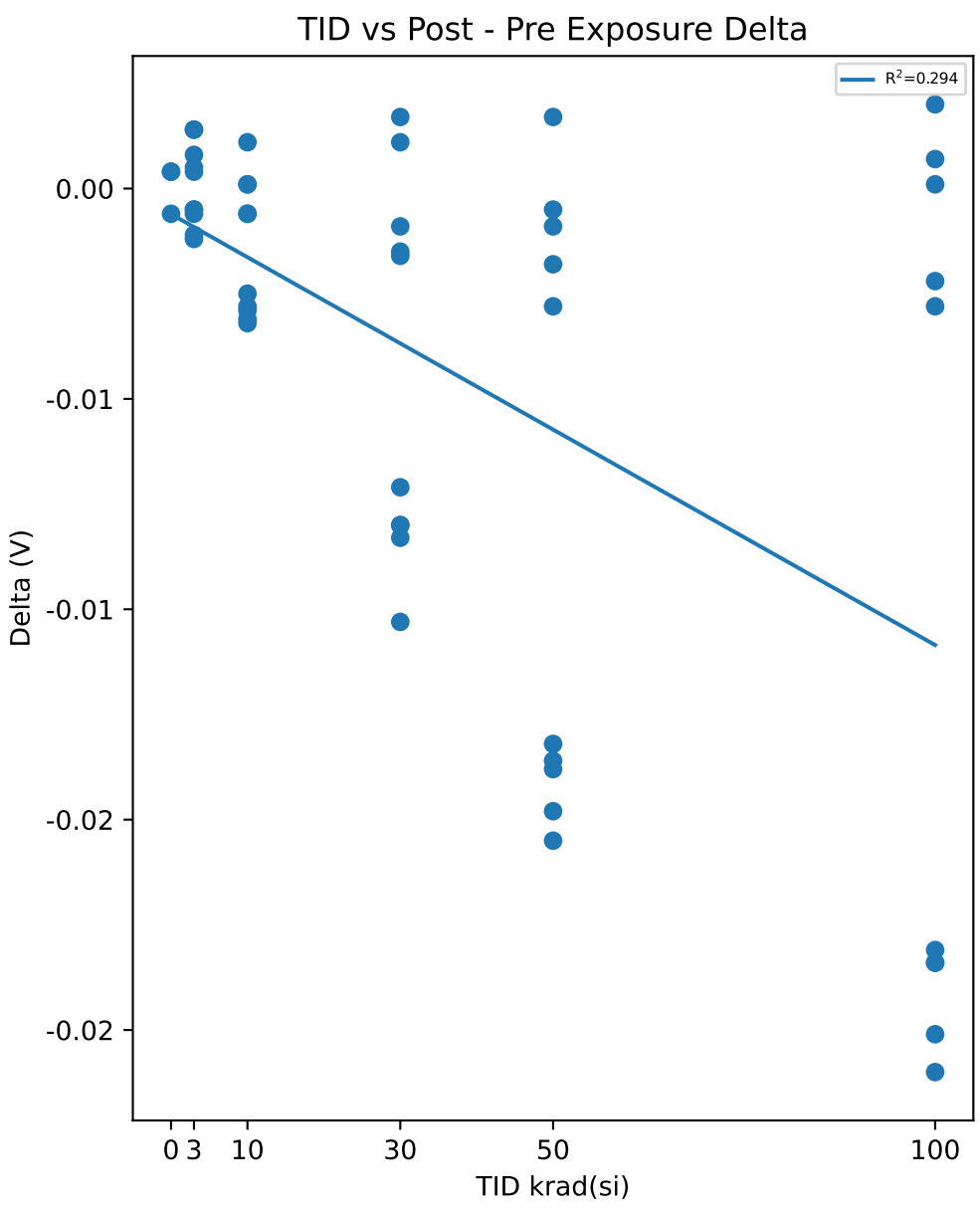
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
390	100	Biased	0.5943	0.5714	-0.0229
392	100	Biased	0.5872	0.5688	-0.0184
393	100	Biased	0.6044	0.5847	-0.0197
394	100	Biased	0.5924	0.5727	-0.0197
395	100	Biased	0.606	0.5844	-0.0216
412	100	Unbiased	0.6051	0.6009	-0.0042
413	100	Unbiased	0.5862	0.5857	-0.0005
414	100	Unbiased	0.6021	0.5993	-0.0028
415	100	Unbiased	0.6064	0.6045	-0.0019
416	100	Unbiased	0.6031	0.6003	-0.0028
417	50	Biased	0.606	0.5879	-0.0181
418	50	Biased	0.6291	0.6152	-0.0139
419	50	Biased	0.6012	0.5837	-0.0175
421	50	Biased	0.6245	0.6097	-0.0148
422	50	Biased	0.6005	0.585	-0.0155
423	50	Unbiased	0.5924	0.5899	-0.0025
424	50	Unbiased	0.6314	0.6285	-0.0029
425	50	Unbiased	0.5947	0.5941	-0.0006
426	50	Unbiased	0.6103	0.609	-0.0013
427	50	Unbiased	0.595	0.5964	0.0014
463	0	Corr	0.6236	0.6224	-0.0012
464	0	Corr	0.6116	0.6113	-0.0003
465	0	Corr	0.6047	0.6035	-0.0012
466	30	Biased	0.6125	0.6016	-0.0109
469	30	Biased	0.6112	0.6003	-0.0109
470	30	Biased	0.5904	0.5795	-0.0109
472	30	Biased	0.5927	0.5834	-0.0093
474	30	Biased	0.608	0.6003	-0.0077
475	30	Unbiased	0.6099	0.6087	-0.0012
477	30	Unbiased	0.6249	0.6227	-0.0022
478	30	Unbiased	0.6038	0.6006	-0.0032
479	30	Unbiased	0.6262	0.6256	-0.0006
480	30	Unbiased	0.5989	0.598	-0.0009
481	10	Biased	0.6034	0.6003	-0.0031
482	10	Biased	0.6057	0.6019	-0.0038
483	10	Biased	0.6064	0.6025	-0.0039
484	10	Biased	0.6038	0.6003	-0.0035
485	10	Biased	0.6148	0.6097	-0.0051
487	10	Unbiased	0.6034	0.6019	-0.0015
488	10	Unbiased	0.5969	0.597	0.0001
489	10	Unbiased	0.6148	0.6142	-0.0006
490	10	Unbiased	0.5976	0.5954	-0.0022
491	10	Unbiased	0.6213	0.6204	-0.0009
492	3	Biased	0.6151	0.612	-0.0031
493	3	Biased	0.6047	0.6019	-0.0028
494	3	Biased	0.6171	0.6155	-0.0016
495	3	Biased	0.6073	0.6048	-0.0025
496	3	Biased	0.6038	0.6025	-0.0013
497	3	Unbiased	0.6229	0.6211	-0.0018
498	3	Unbiased	0.6177	0.6152	-0.0025
499	3	Unbiased	0.6067	0.6061	-0.0006
500	3	Unbiased	0.62	0.6181	-0.0019
502	3	Unbiased	0.607	0.6051	-0.0019

Test Statistics (V)

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	0.6047	0.6133	0.6236	0.009564	0.6035	0.6124	0.6224	0.0094979	-0.0012	-0.0009	-0.0003	0.00051962
3	0.6038	0.61223	0.6229	0.0070404	0.6019	0.61023	0.6211	0.0069738	-0.0031	-0.002	-0.0006	0.00074685
10	0.5969	0.60681	0.6213	0.0078485	0.5954	0.60436	0.6204	0.0079275	-0.0051	-0.00245	0.0001	0.001692
30	0.5904	0.60785	0.6262	0.011995	0.5795	0.60207	0.6256	0.014554	-0.0109	-0.00578	-0.0006	0.0045438
50	0.5924	0.60851	0.6314	0.01477	0.5837	0.59994	0.6285	0.014927	-0.0181	-0.00857	0.0014	0.0079623
100	0.5862	0.59872	0.6064	0.0079197	0.5688	0.58727	0.6045	0.013415	-0.0229	-0.01145	-0.0005	0.009614

Device Test: 15.7 EN_VTH_FALLING(THRESHOLD|FALL/EN/5////@EN_VTH_FALLING)





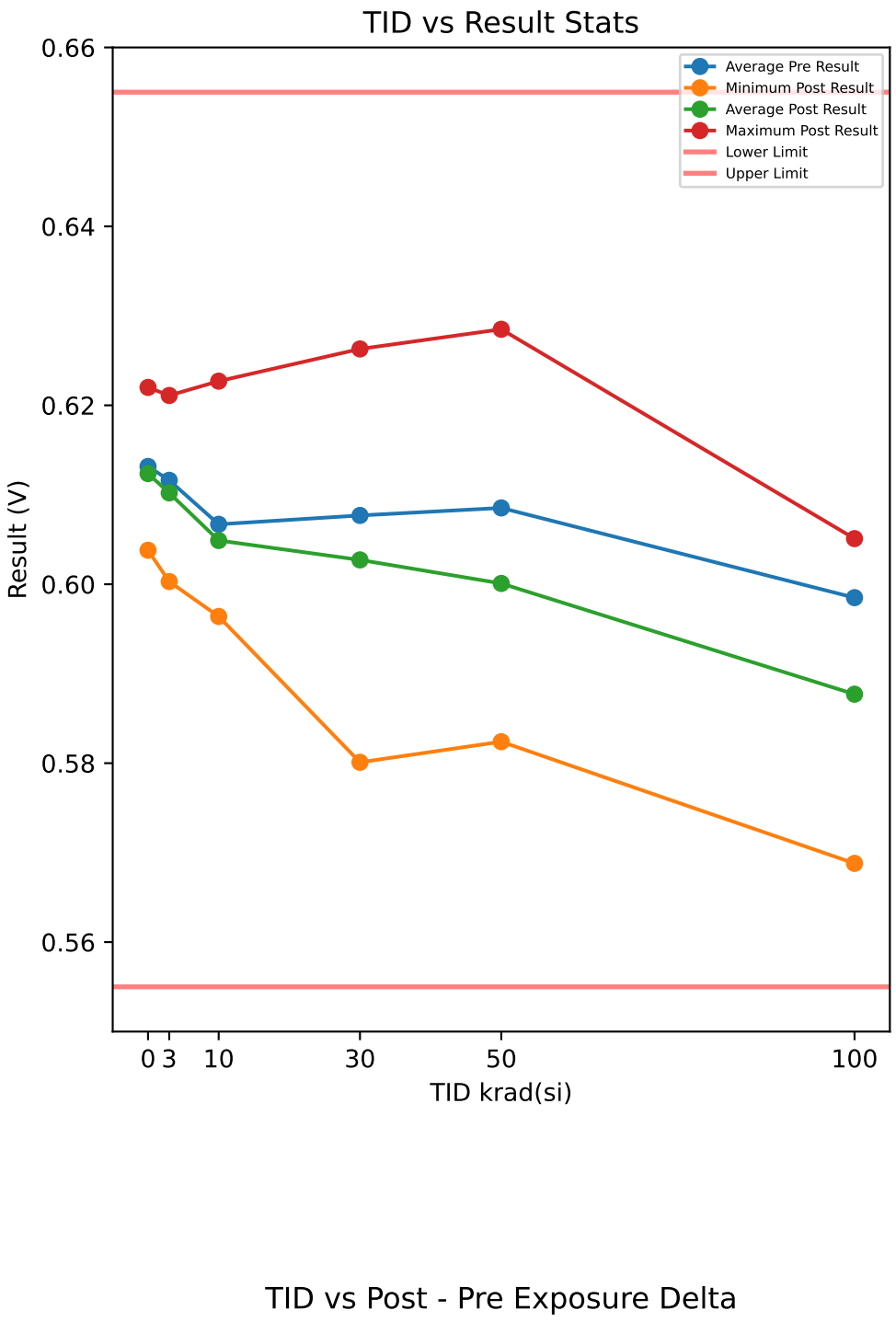
Test Results (Lower Limit = 0.455, Upper Limit = 0.554 (V))

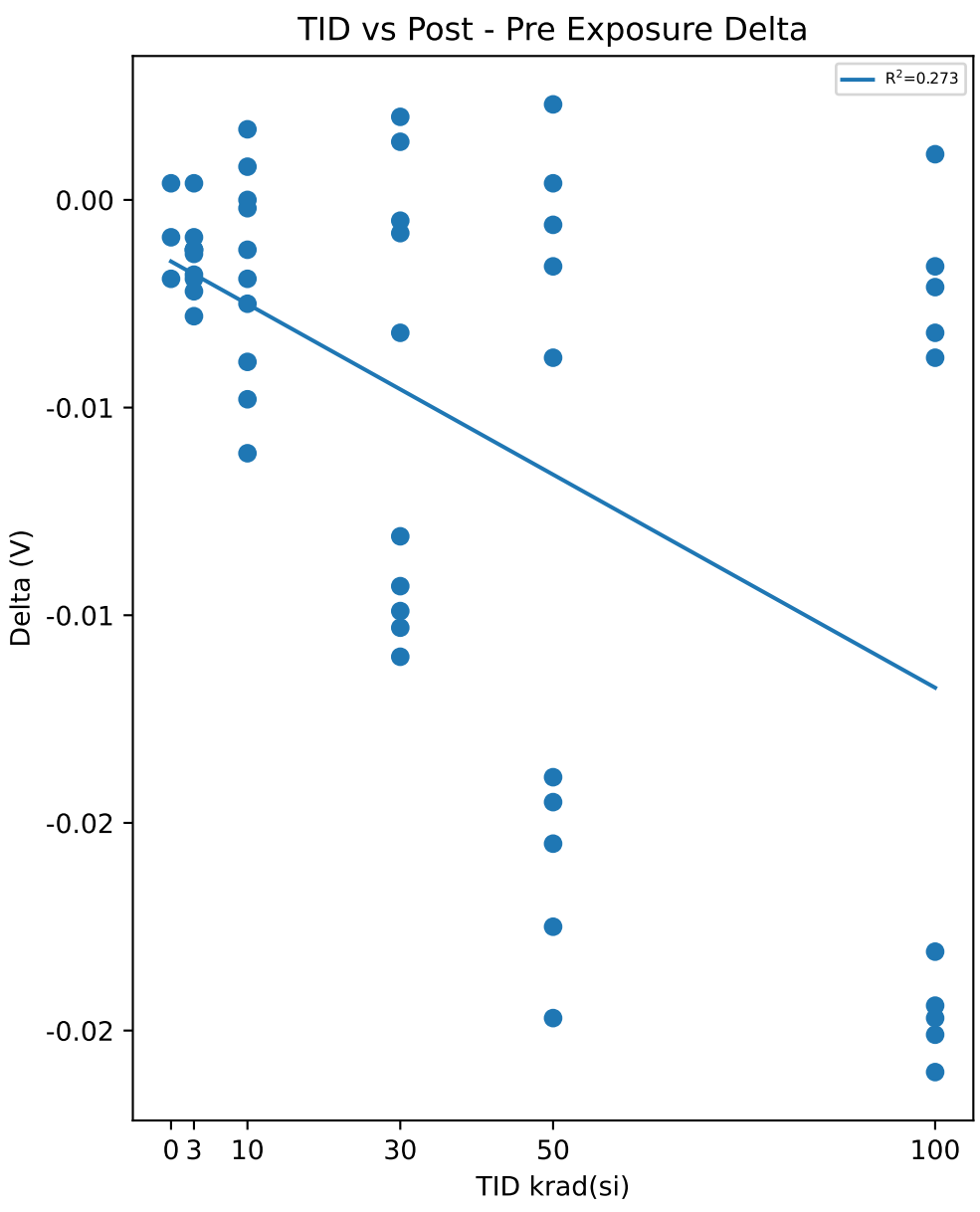
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
390	100	Biased	0.4937	0.4736	-0.0201
392	100	Biased	0.4888	0.4704	-0.0184
393	100	Biased	0.5034	0.485	-0.0184
394	100	Biased	0.493	0.4749	-0.0181
395	100	Biased	0.5073	0.4863	-0.021
412	100	Unbiased	0.5057	0.5029	-0.0028
413	100	Unbiased	0.4859	0.4879	0.002
414	100	Unbiased	0.5008	0.5009	0.0001
415	100	Unbiased	0.5057	0.5064	0.0007
416	100	Unbiased	0.5031	0.5009	-0.0022
417	50	Biased	0.5041	0.4886	-0.0155
418	50	Biased	0.53	0.5162	-0.0138
419	50	Biased	0.5005	0.4857	-0.0148
421	50	Biased	0.5248	0.5116	-0.0132
422	50	Biased	0.5002	0.4866	-0.0136
423	50	Unbiased	0.492	0.4915	-0.0005
424	50	Unbiased	0.5323	0.5295	-0.0028
425	50	Unbiased	0.4956	0.4947	-0.0009
426	50	Unbiased	0.5115	0.5097	-0.0018
427	50	Unbiased	0.4953	0.497	0.0017
463	0	Corr	0.5239	0.5233	-0.0006
464	0	Corr	0.5122	0.5126	0.0004
465	0	Corr	0.5041	0.5045	0.0004
466	30	Biased	0.5105	0.5025	-0.008
469	30	Biased	0.5105	0.5025	-0.008
470	30	Biased	0.4911	0.4808	-0.0103
472	30	Biased	0.4924	0.4853	-0.0071
474	30	Biased	0.5089	0.5006	-0.0083
475	30	Unbiased	0.5086	0.5103	0.0017
477	30	Unbiased	0.5245	0.523	-0.0015
478	30	Unbiased	0.5028	0.5012	-0.0016
479	30	Unbiased	0.5261	0.5272	0.0011
480	30	Unbiased	0.4989	0.498	-0.0009
481	10	Biased	0.5031	0.5006	-0.0025
482	10	Biased	0.5054	0.5025	-0.0029
483	10	Biased	0.507	0.5038	-0.0032
484	10	Biased	0.5047	0.5019	-0.0028
485	10	Biased	0.5151	0.512	-0.0031
487	10	Unbiased	0.5041	0.5035	-0.0006
488	10	Unbiased	0.4969	0.498	0.0011
489	10	Unbiased	0.5148	0.5149	0.0001
490	10	Unbiased	0.4979	0.4973	-0.0006
491	10	Unbiased	0.5213	0.5214	0.0001
492	3	Biased	0.5144	0.5133	-0.0011
493	3	Biased	0.5041	0.5035	-0.0006
494	3	Biased	0.5164	0.5159	-0.0005
495	3	Biased	0.5073	0.5061	-0.0012
496	3	Biased	0.5037	0.5032	-0.0005
497	3	Unbiased	0.5222	0.5227	0.0005
498	3	Unbiased	0.5177	0.5185	0.0008
499	3	Unbiased	0.506	0.5074	0.0014
500	3	Unbiased	0.52	0.5204	0.0004
502	3	Unbiased	0.505	0.5064	0.0014

Test Statistics (V)

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	0.5041	0.5134	0.5239	0.0099544	0.5045	0.51347	0.5233	0.0094299	-0.0006	6.6667e-05	0.0004	0.00057735
3	0.5037	0.51168	0.5222	0.0071726	0.5032	0.51174	0.5227	0.0073071	-0.0012	6e-05	0.0014	0.00096862
10	0.4969	0.50703	0.5213	0.0077976	0.4973	0.50559	0.5214	0.0078859	-0.0032	-0.00144	0.0011	0.0016181
30	0.4911	0.50743	0.5261	0.011781	0.4808	0.50314	0.5272	0.014451	-0.0103	-0.00429	0.0017	0.0044606
50	0.492	0.50863	0.5323	0.01516	0.4857	0.50111	0.5295	0.014804	-0.0155	-0.00752	0.0017	0.0071372
100	0.4859	0.49874	0.5073	0.0077255	0.4704	0.48892	0.5064	0.013273	-0.021	-0.00982	0.002	0.010014

Device Test: 15.9 EN_VTH_RISING(THRESHOLD|RISE/EN/12////@EN_VTH_RISING)





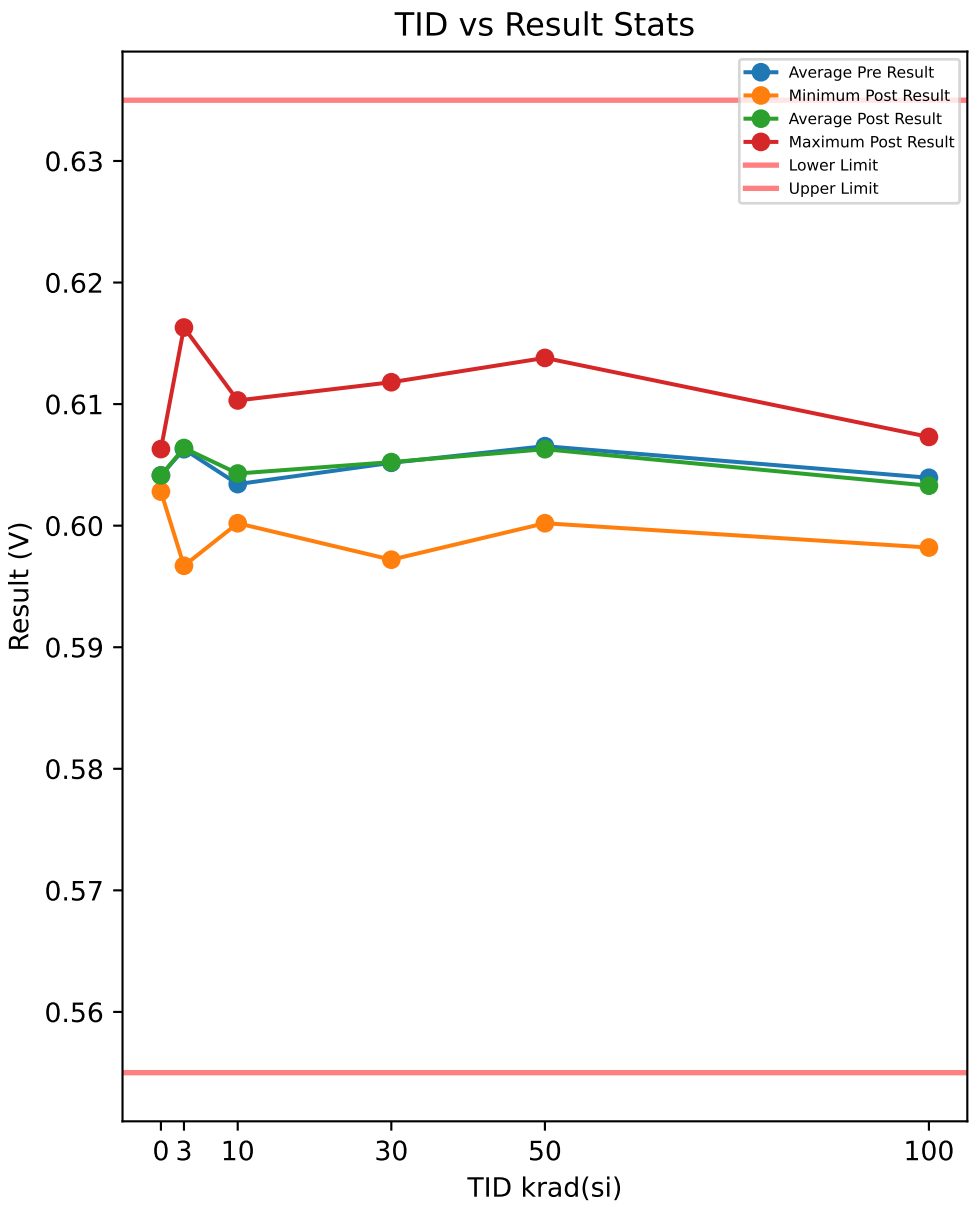
Test Results (Lower Limit = 0.555, Upper Limit = 0.655 (V))

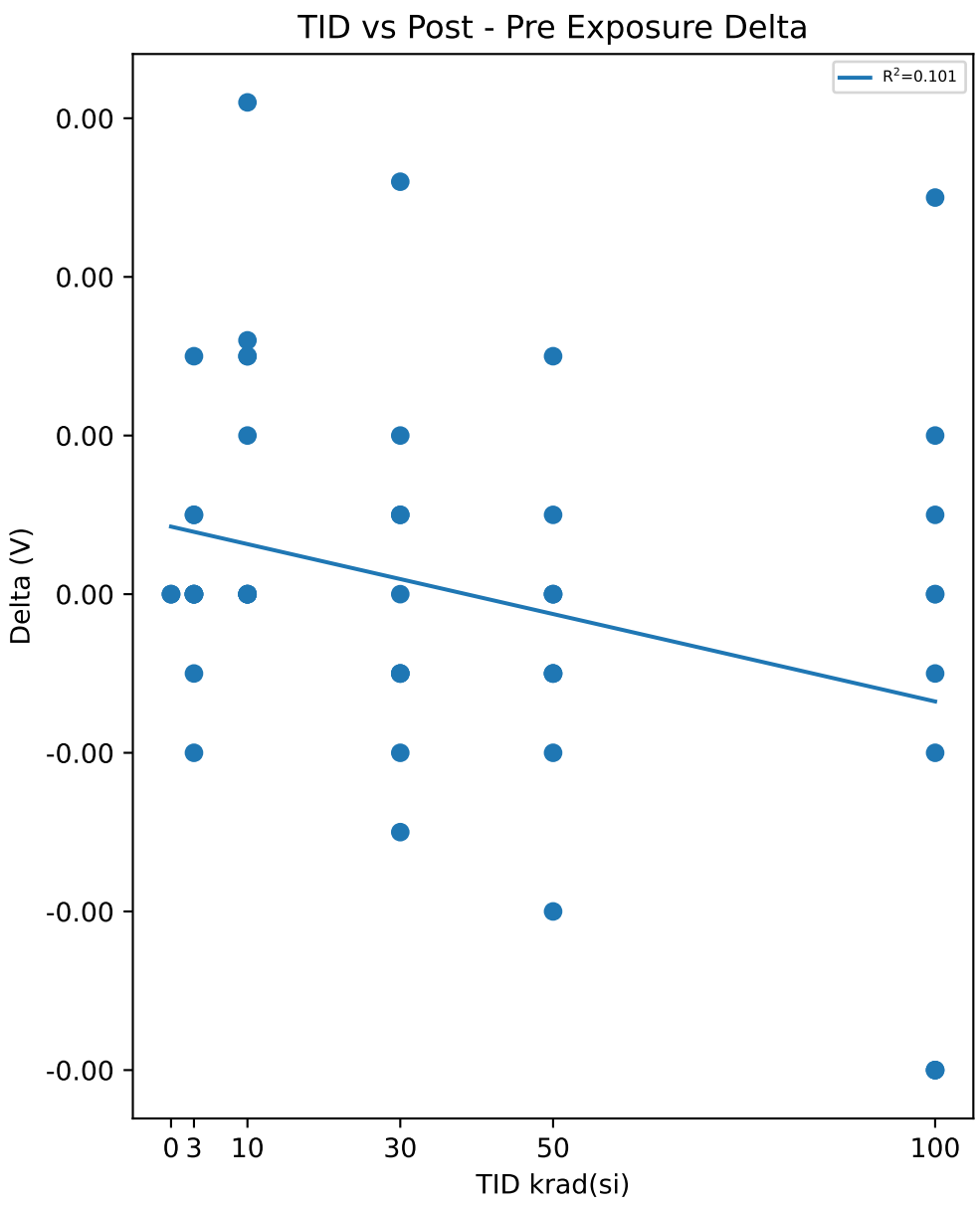
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
390	100	Biased	0.593	0.5736	-0.0194
392	100	Biased	0.5869	0.5688	-0.0181
393	100	Biased	0.6038	0.5837	-0.0201
394	100	Biased	0.5921	0.5724	-0.0197
395	100	Biased	0.607	0.586	-0.021
412	100	Unbiased	0.6057	0.6019	-0.0038
413	100	Unbiased	0.5852	0.5863	0.0011
414	100	Unbiased	0.6025	0.5993	-0.0032
415	100	Unbiased	0.6067	0.6051	-0.0016
416	100	Unbiased	0.6021	0.6	-0.0021
417	50	Biased	0.6054	0.5879	-0.0175
418	50	Biased	0.6304	0.6149	-0.0155
419	50	Biased	0.6021	0.5824	-0.0197
421	50	Biased	0.6242	0.6103	-0.0139
422	50	Biased	0.5995	0.585	-0.0145
423	50	Unbiased	0.5921	0.5905	-0.0016
424	50	Unbiased	0.6323	0.6285	-0.0038
425	50	Unbiased	0.595	0.5944	-0.0006
426	50	Unbiased	0.6096	0.61	0.0004
427	50	Unbiased	0.5947	0.597	0.0023
463	0	Corr	0.6239	0.622	-0.0019
464	0	Corr	0.6122	0.6113	-0.0009
465	0	Corr	0.6034	0.6038	0.0004
466	30	Biased	0.6122	0.6029	-0.0093
469	30	Biased	0.6119	0.6009	-0.011
470	30	Biased	0.5904	0.5801	-0.0103
472	30	Biased	0.5921	0.584	-0.0081
474	30	Biased	0.6099	0.6	-0.0099
475	30	Unbiased	0.608	0.61	0.002
477	30	Unbiased	0.6245	0.6237	-0.0008
478	30	Unbiased	0.6038	0.6006	-0.0032
479	30	Unbiased	0.6268	0.6263	-0.0005
480	30	Unbiased	0.5973	0.5987	0.0014
481	10	Biased	0.6028	0.6003	-0.0025
482	10	Biased	0.6064	0.6025	-0.0039
483	10	Biased	0.6067	0.6019	-0.0048
484	10	Biased	0.6025	0.6006	-0.0019
485	10	Biased	0.6158	0.6097	-0.0061
487	10	Unbiased	0.6025	0.6025	0
488	10	Unbiased	0.5976	0.5974	-0.0002
489	10	Unbiased	0.6141	0.6149	0.0008
490	10	Unbiased	0.5976	0.5964	-0.0012
491	10	Unbiased	0.621	0.6227	0.0017
492	3	Biased	0.6135	0.6116	-0.0019
493	3	Biased	0.6034	0.6022	-0.0012
494	3	Biased	0.6161	0.6149	-0.0012
495	3	Biased	0.6073	0.6055	-0.0018
496	3	Biased	0.6025	0.6003	-0.0022
497	3	Unbiased	0.6239	0.6211	-0.0028
498	3	Unbiased	0.6177	0.6165	-0.0012
499	3	Unbiased	0.607	0.6061	-0.0009
500	3	Unbiased	0.6184	0.6188	0.0004
502	3	Unbiased	0.6064	0.6051	-0.0013

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	0.6034	0.61317	0.6239	0.010284	0.6038	0.61237	0.622	0.0091468	-0.0019	-0.0008	0.0004	0.0011533
3	0.6025	0.61162	0.6239	0.0072674	0.6003	0.61021	0.6211	0.007329	-0.0028	-0.00141	0.0004	0.00085823
10	0.5976	0.6067	0.621	0.0078758	0.5964	0.60489	0.6227	0.008357	-0.0061	-0.00181	0.0017	0.0025291
30	0.5904	0.60769	0.6268	0.012274	0.5801	0.60272	0.6263	0.014692	-0.011	-0.00497	0.002	0.0052417
50	0.5921	0.60853	0.6323	0.015155	0.5824	0.60009	0.6285	0.0151	-0.0197	-0.00844	0.0023	0.0084887
100	0.5852	0.5985	0.607	0.0083735	0.5688	0.58771	0.6051	0.013338	-0.021	-0.01079	0.0011	0.0094616

Device Test: 16.1 FAULT_VTH_RISING(THRESHOLD|RISE/FAULT/4.5////@FAULT_VTH_RISING)





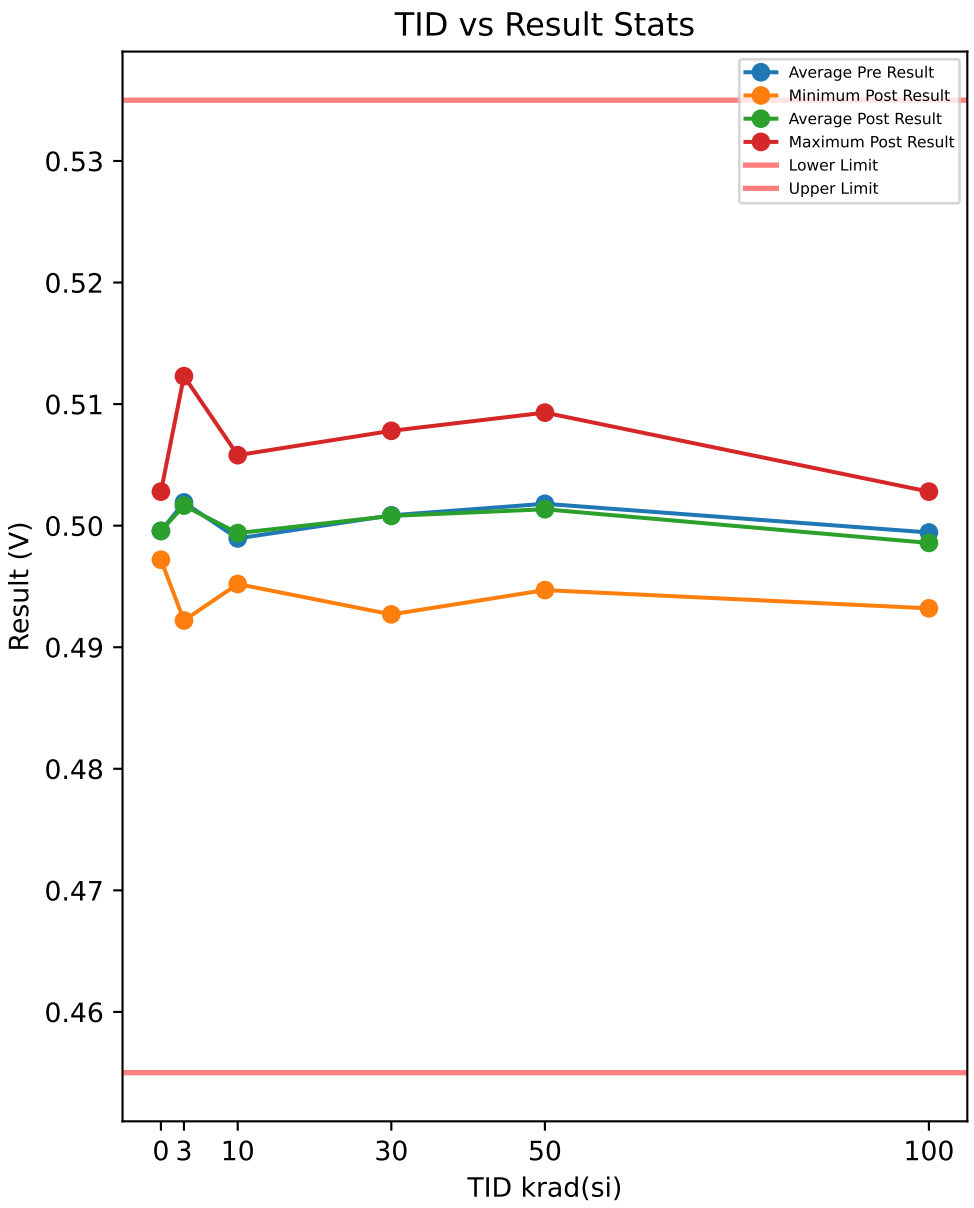
Test Results (Lower Limit = 0.555, Upper Limit = 0.635 (V))

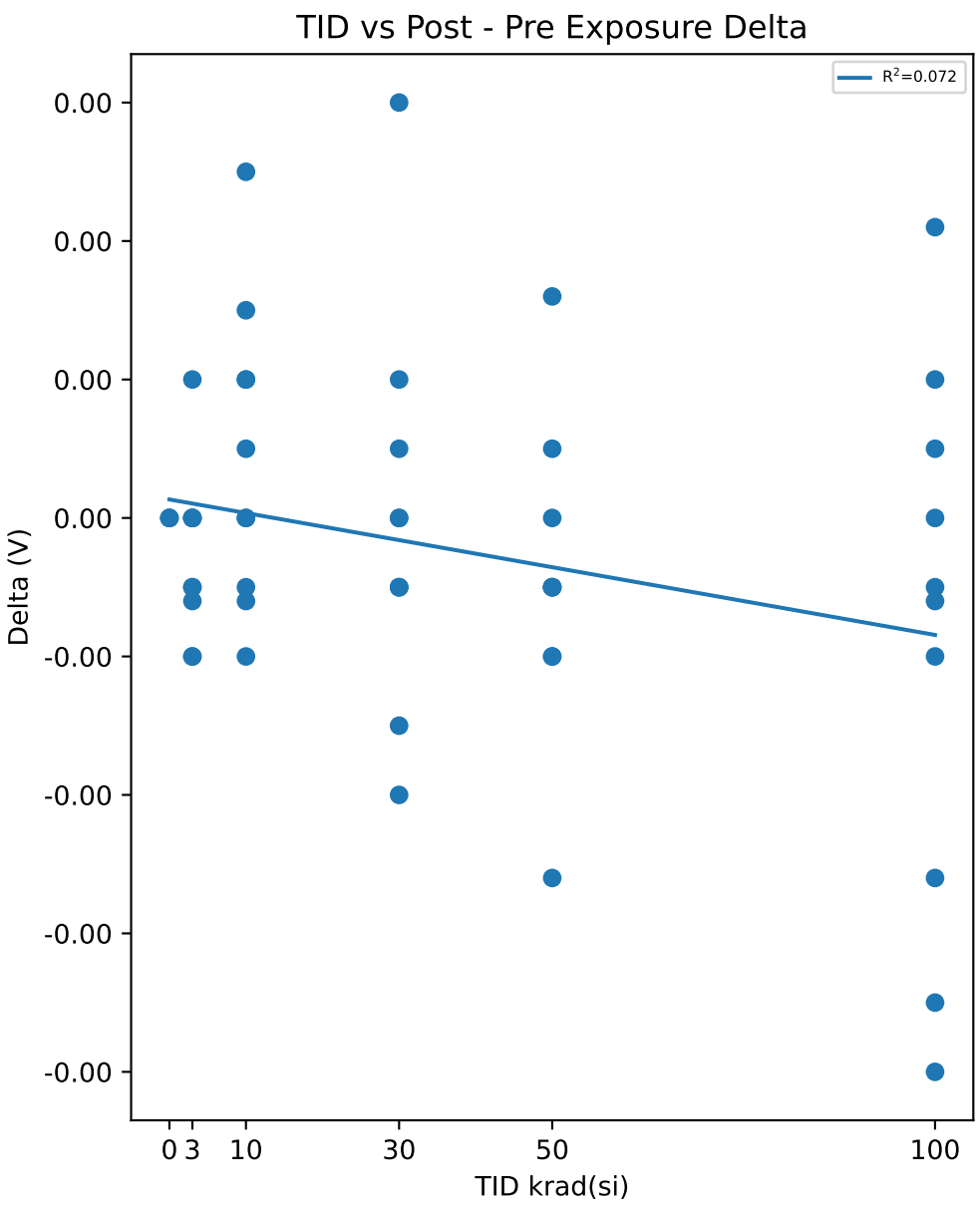
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
390	100	Biased	0.6018	0.6023	0.0005
392	100	Biased	0.6043	0.6038	-0.0005
393	100	Biased	0.6068	0.6068	0
394	100	Biased	0.5972	0.5982	0.001
395	100	Biased	0.6083	0.6073	-0.001
412	100	Unbiased	0.6058	0.6028	-0.003
413	100	Unbiased	0.6038	0.6038	0
414	100	Unbiased	0.6028	0.5998	-0.003
415	100	Unbiased	0.6038	0.6063	0.0025
416	100	Unbiased	0.6048	0.6018	-0.003
417	50	Biased	0.6023	0.6023	0
418	50	Biased	0.6138	0.6128	-0.001
419	50	Biased	0.6048	0.6043	-0.0005
421	50	Biased	0.6098	0.6103	0.0005
422	50	Biased	0.6028	0.6043	0.0015
423	50	Unbiased	0.6138	0.6138	0
424	50	Unbiased	0.6058	0.6038	-0.002
425	50	Unbiased	0.6043	0.6038	-0.0005
426	50	Unbiased	0.6002	0.6002	0
427	50	Unbiased	0.6078	0.6073	-0.0005
463	0	Corr	0.6063	0.6063	0
464	0	Corr	0.6028	0.6028	0
465	0	Corr	0.6033	0.6033	0
466	30	Biased	0.6043	0.6038	-0.0005
469	30	Biased	0.6002	0.6028	0.0026
470	30	Biased	0.5982	0.5972	-0.001
472	30	Biased	0.6073	0.6083	0.001
474	30	Biased	0.6023	0.6028	0.0005
475	30	Unbiased	0.6118	0.6118	0
477	30	Unbiased	0.6073	0.6068	-0.0005
478	30	Unbiased	0.6088	0.6093	0.0005
479	30	Unbiased	0.6133	0.6118	-0.0015
480	30	Unbiased	0.5982	0.5977	-0.0005
481	10	Biased	0.6038	0.6038	0
482	10	Biased	0.6093	0.6093	0
483	10	Biased	0.6078	0.6093	0.0015
484	10	Biased	0.6013	0.6023	0.001
485	10	Biased	0.6013	0.6013	0
487	10	Unbiased	0.5987	0.6002	0.0015
488	10	Unbiased	0.6002	0.6018	0.0016
489	10	Unbiased	0.6038	0.6038	0
490	10	Unbiased	0.5977	0.6008	0.0031
491	10	Unbiased	0.6103	0.6103	0
492	3	Biased	0.6103	0.6103	0
493	3	Biased	0.5967	0.5967	0
494	3	Biased	0.6043	0.6038	-0.0005
495	3	Biased	0.6008	0.6023	0.0015
496	3	Biased	0.6058	0.6063	0.0005
497	3	Unbiased	0.6038	0.6038	0
498	3	Unbiased	0.6018	0.6018	0
499	3	Unbiased	0.6088	0.6078	-0.001
500	3	Unbiased	0.6163	0.6163	0
502	3	Unbiased	0.6143	0.6148	0.0005

Test Statistics (V)

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	0.6028	0.60413	0.6063	0.001893	0.6028	0.60413	0.6063	0.001893	0	0	0	0
3	0.5967	0.60629	0.6163	0.006141	0.5967	0.60639	0.6163	0.0060675	-0.001	0.0001	0.0015	0.00065828
10	0.5977	0.60342	0.6103	0.0044188	0.6002	0.60429	0.6103	0.0038702	0	0.00087	0.0031	0.0010594
30	0.5982	0.60517	0.6133	0.0054074	0.5972	0.60523	0.6118	0.0052686	-0.0015	6e-05	0.0026	0.0011654
50	0.6002	0.60654	0.6138	0.004695	0.6002	0.60629	0.6138	0.0045851	-0.002	-0.00025	0.0015	0.00092045
100	0.5972	0.60394	0.6083	0.0030343	0.5982	0.60329	0.6073	0.0029723	-0.003	-0.00065	0.0025	0.0018716

Device Test: 16.10 FAULT_VTH_FALLING(THRESHOLD|FALL/FAULT/12////@FAULT_VTH_FALLING)





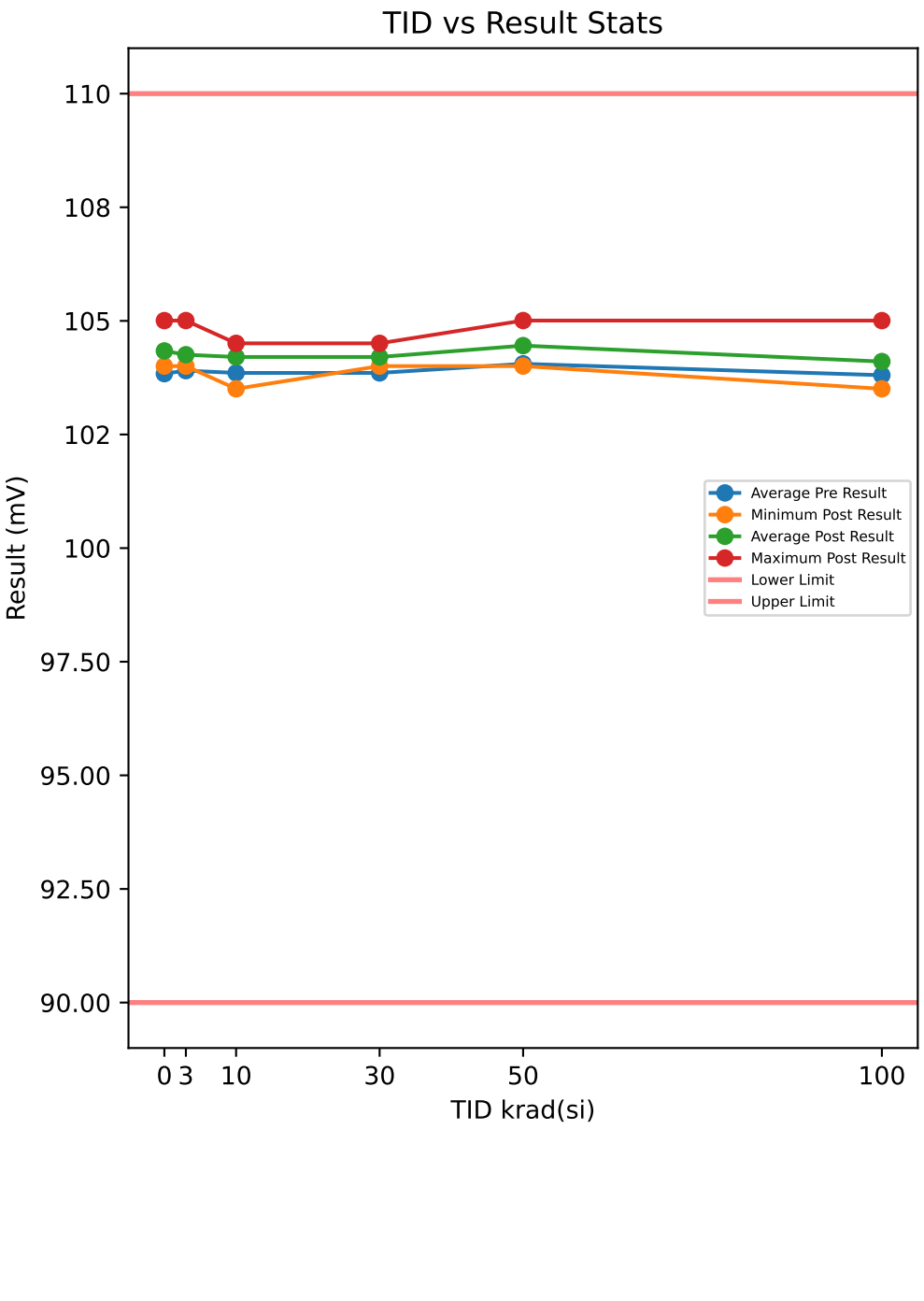
Test Results (Lower Limit = 0.455, Upper Limit = 0.535 (V))

Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
390	100	Biased	0.4982	0.4977	-0.0005
392	100	Biased	0.5008	0.5002	-0.0006
393	100	Biased	0.5023	0.5028	0.0005
394	100	Biased	0.4922	0.4932	0.001
395	100	Biased	0.5038	0.5028	-0.001
412	100	Unbiased	0.4998	0.4972	-0.0026
413	100	Unbiased	0.4992	0.4992	0
414	100	Unbiased	0.4992	0.4952	-0.004
415	100	Unbiased	0.4987	0.5008	0.0021
416	100	Unbiased	0.5002	0.4967	-0.0035
417	50	Biased	0.4977	0.4972	-0.0005
418	50	Biased	0.5103	0.5093	-0.001
419	50	Biased	0.5002	0.4992	-0.001
421	50	Biased	0.5048	0.5053	0.0005
422	50	Biased	0.4982	0.4998	0.0016
423	50	Unbiased	0.5083	0.5083	0
424	50	Unbiased	0.5008	0.4982	-0.0026
425	50	Unbiased	0.4987	0.4982	-0.0005
426	50	Unbiased	0.4952	0.4947	-0.0005
427	50	Unbiased	0.5038	0.5033	-0.0005
463	0	Corr	0.5028	0.5028	0
464	0	Corr	0.4987	0.4987	0
465	0	Corr	0.4972	0.4972	0
466	30	Biased	0.4992	0.4992	0
469	30	Biased	0.4952	0.4982	0.003
470	30	Biased	0.4942	0.4927	-0.0015
472	30	Biased	0.5033	0.5043	0.001
474	30	Biased	0.4977	0.4982	0.0005
475	30	Unbiased	0.5073	0.5068	-0.0005
477	30	Unbiased	0.5038	0.5033	-0.0005
478	30	Unbiased	0.5043	0.5043	0
479	30	Unbiased	0.5098	0.5078	-0.002
480	30	Unbiased	0.4937	0.4932	-0.0005
481	10	Biased	0.5008	0.5002	-0.0006
482	10	Biased	0.5048	0.5038	-0.001
483	10	Biased	0.5033	0.5043	0.001
484	10	Biased	0.4967	0.4972	0.0005
485	10	Biased	0.4972	0.4967	-0.0005
487	10	Unbiased	0.4937	0.4952	0.0015
488	10	Unbiased	0.4947	0.4957	0.001
489	10	Unbiased	0.4998	0.4998	0
490	10	Unbiased	0.4927	0.4952	0.0025
491	10	Unbiased	0.5058	0.5058	0
492	3	Biased	0.5063	0.5058	-0.0005
493	3	Biased	0.4922	0.4922	0
494	3	Biased	0.4992	0.4987	-0.0005
495	3	Biased	0.4957	0.4967	0.001
496	3	Biased	0.5008	0.5008	0
497	3	Unbiased	0.5008	0.5002	-0.0006
498	3	Unbiased	0.4977	0.4967	-0.001
499	3	Unbiased	0.5038	0.5028	-0.001
500	3	Unbiased	0.5123	0.5123	0
502	3	Unbiased	0.5103	0.5103	0

Test Statistics (V)

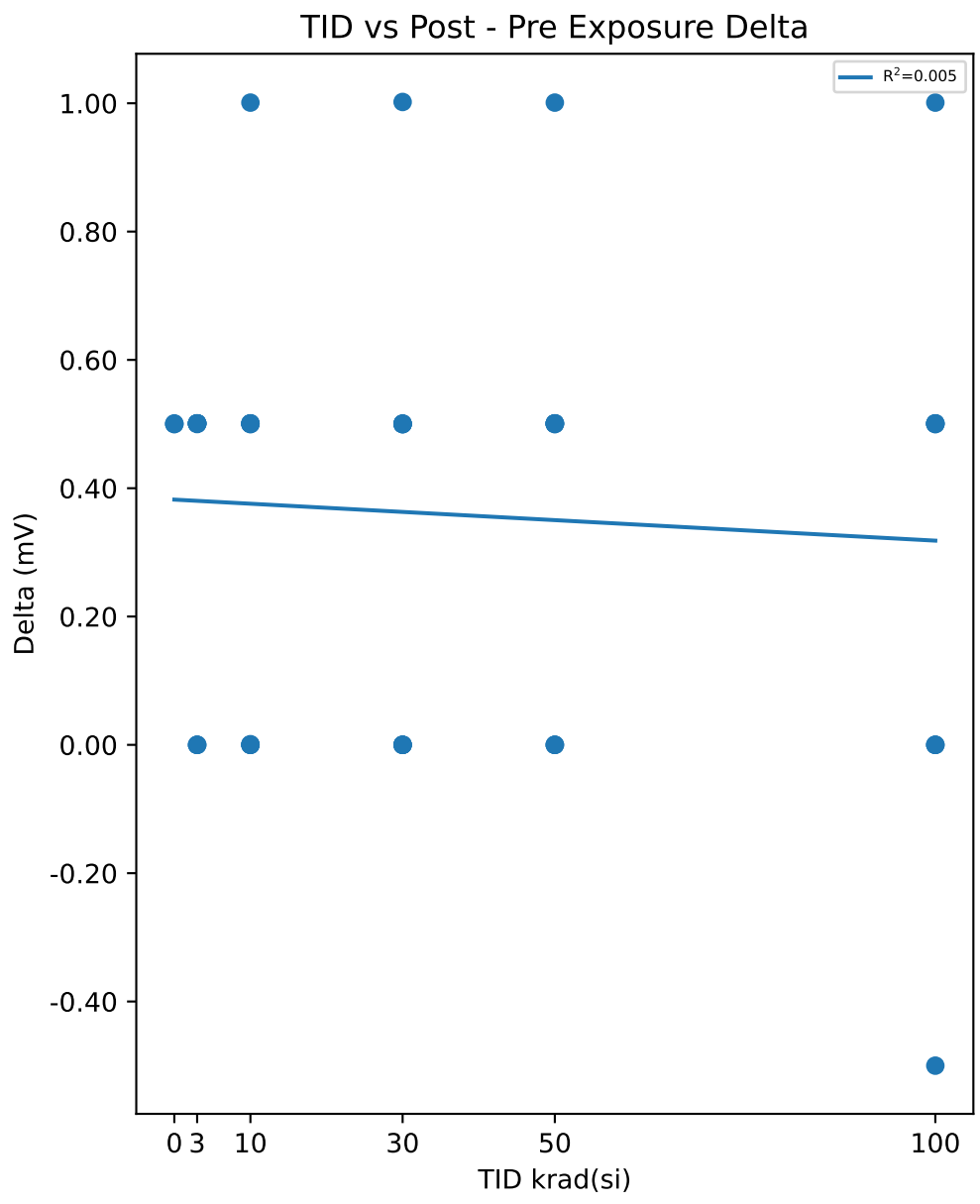
krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	0.4972	0.49957	0.5028	0.0028989	0.4972	0.49957	0.5028	0.0028989	0	0	0	0
3	0.4922	0.50191	0.5123	0.0063383	0.4922	0.50165	0.5123	0.0062948	-0.001	-0.00026	0.001	0.00059479
10	0.4927	0.49895	0.5058	0.0046789	0.4952	0.49939	0.5058	0.0040308	-0.001	0.00044	0.0025	0.0010762
30	0.4937	0.50085	0.5098	0.0056591	0.4927	0.5008	0.5078	0.005325	-0.002	-5e-05	0.003	0.0013834
50	0.4952	0.5018	0.5103	0.0048762	0.4947	0.50135	0.5093	0.0049354	-0.0026	-0.00045	0.0016	0.0010824
100	0.4922	0.49944	0.5038	0.0030617	0.4932	0.49858	0.5028	0.0031647	-0.004	-0.00086	0.0021	0.0019688

Device Test: 16.11 FAULT_VTH_HYST(THRESHOLD|HYST/FAULT/12////@FAULT_VTH_HYST)



Test Results (Lower Limit = 90.0, Upper Limit = 110.0 (mV))

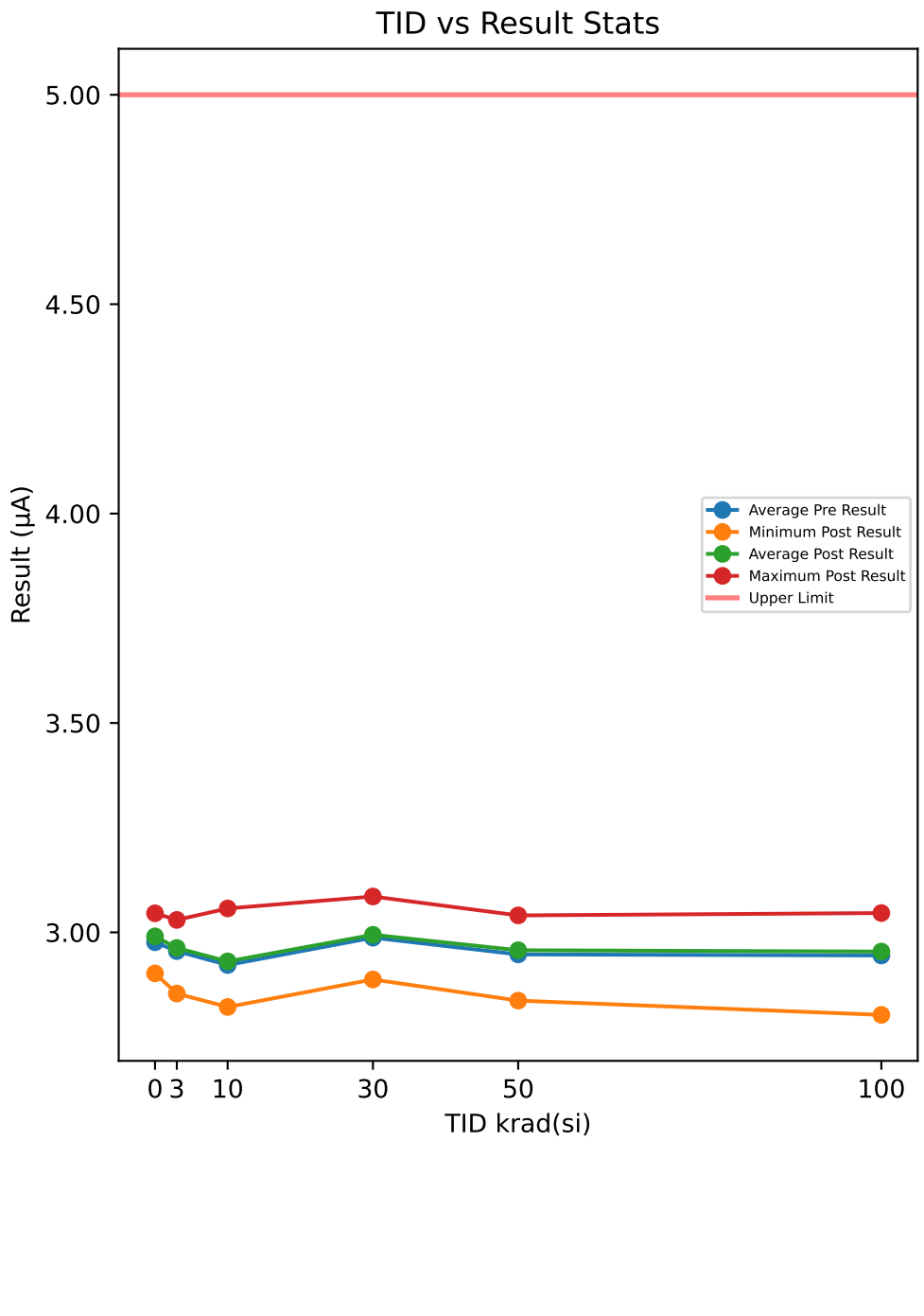
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
390	100	Biased	103	103.5	0.501
392	100	Biased	103.5	104	0.501
393	100	Biased	104	103.5	-0.5
394	100	Biased	103.5	104	0.5
395	100	Biased	104	104	0
412	100	Unbiased	104.5	104.5	0
413	100	Unbiased	104	104	0
414	100	Unbiased	103	104	1.001
415	100	Unbiased	104	104.51	0.501
416	100	Unbiased	104.51	105.01	0.5
417	50	Biased	104	104.5	0.5
418	50	Biased	103.5	104	0.501
419	50	Biased	104	104.51	0.501
421	50	Biased	104	105.01	1.001
422	50	Biased	103.5	104	0.501
423	50	Unbiased	104.51	104.51	0
424	50	Unbiased	104.51	105.01	0.5
425	50	Unbiased	104	104	0
426	50	Unbiased	104.51	105.01	0.501
427	50	Unbiased	104	104	0
463	0	Corr	103.5	104	0.5
464	0	Corr	103.5	104	0.5
465	0	Corr	104.5	105.01	0.501
466	30	Biased	104.51	104.51	0
469	30	Biased	104	104	0
470	30	Biased	103.5	104	0.501
472	30	Biased	104	104	0
474	30	Biased	104	104.5	0.5
475	30	Unbiased	104.51	104.51	0
477	30	Unbiased	103.5	104.51	1.002
478	30	Unbiased	103.5	104	0.5
479	30	Unbiased	103.5	104	0.5
480	30	Unbiased	103.5	104	0.5
481	10	Biased	103.5	103.5	0.001
482	10	Biased	103.5	104.5	1.001
483	10	Biased	104	104.51	0.501
484	10	Biased	104	104	0
485	10	Biased	104	104.51	0.501
487	10	Unbiased	103.5	104	0.5
488	10	Unbiased	103.5	104	0.5
489	10	Unbiased	103.5	104	0.501
490	10	Unbiased	104.51	104.51	0
491	10	Unbiased	104.51	104.51	0
492	3	Biased	104	104.51	0.501
493	3	Biased	104	104	0
494	3	Biased	104.51	105.01	0.501
495	3	Biased	104	104	0
496	3	Biased	104	104.51	0.501
497	3	Unbiased	103.5	104	0.501
498	3	Unbiased	103.5	104	0.5
499	3	Unbiased	104	104.51	0.501
500	3	Unbiased	104	104	0
502	3	Unbiased	103.5	104	0.501

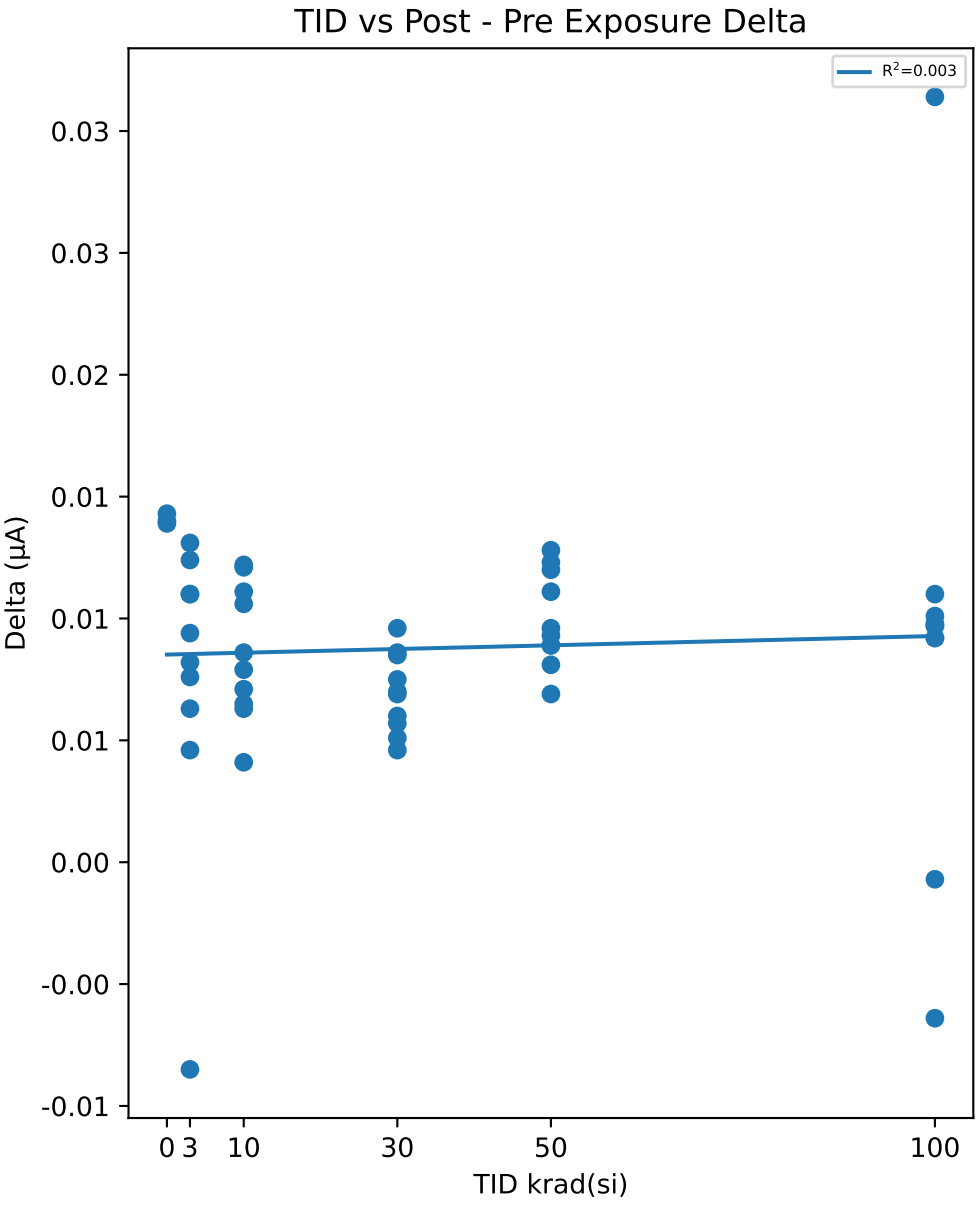


Test Statistics (mV)

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	103.5	103.84	104.5	0.57735	104	104.34	105.01	0.57793	0.5	0.50033	0.501	0.00057735
3	103.5	103.9	104.51	0.31672	104	104.26	105.01	0.35426	0	0.3506	0.501	0.24194
10	103.5	103.85	104.51	0.41227	103.5	104.21	104.51	0.34998	0	0.3505	1.001	0.33772
30	103.5	103.85	104.51	0.41218	104	104.21	104.51	0.25859	0	0.3503	1.002	0.33795
50	103.5	104.06	104.51	0.36967	104	104.46	105.01	0.43838	0	0.4005	1.001	0.31658
100	103	103.8	104.51	0.53802	103.5	104.11	105.01	0.45978	-0.5	0.3004	1.001	0.42198

Device Test: 16.12 FAULT_LKG_CURR(LEAK|POWERED/FAULT/12////@FAULT_LKG_CURR)





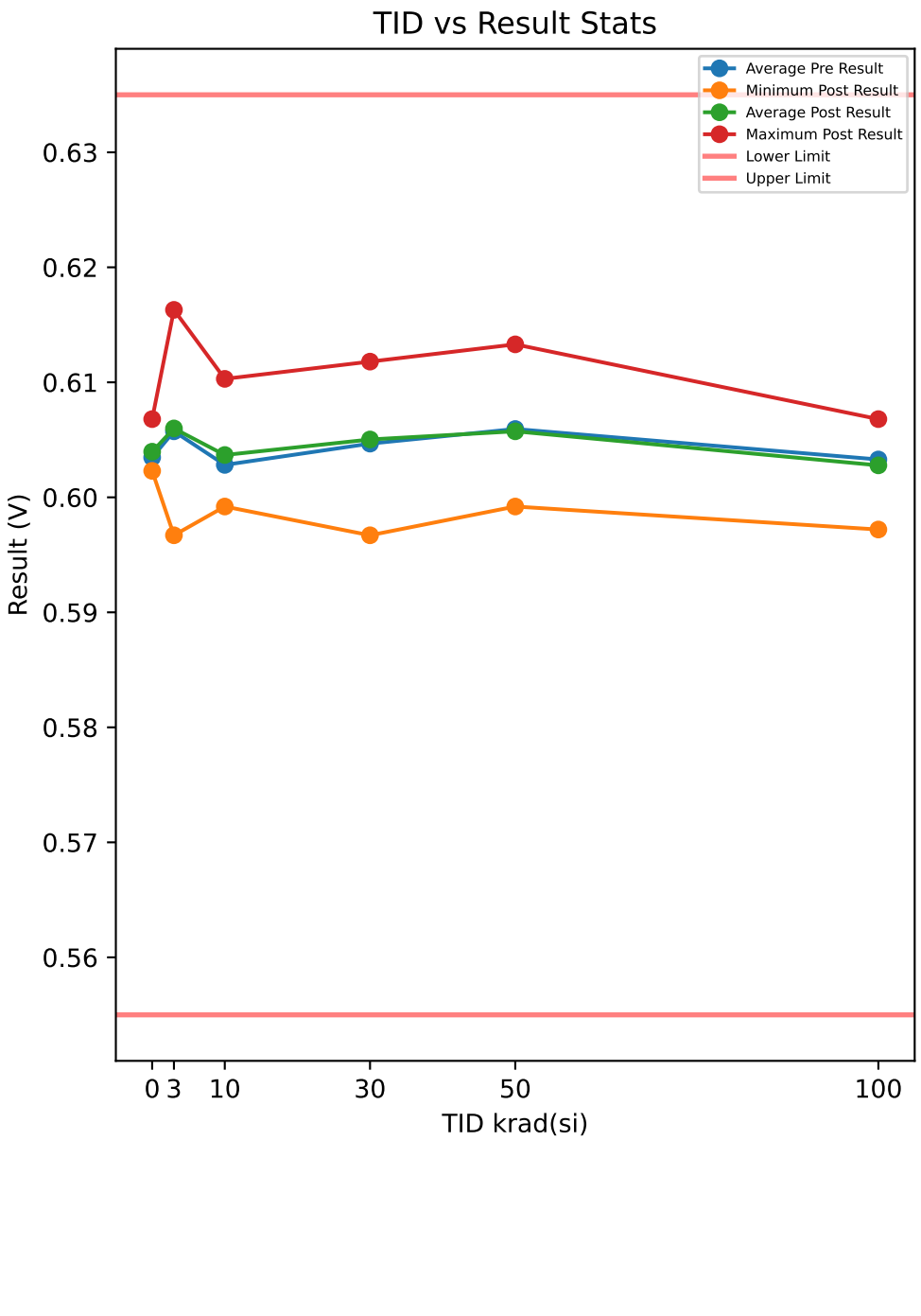
Test Results (Upper Limit = 5.0 (µA))

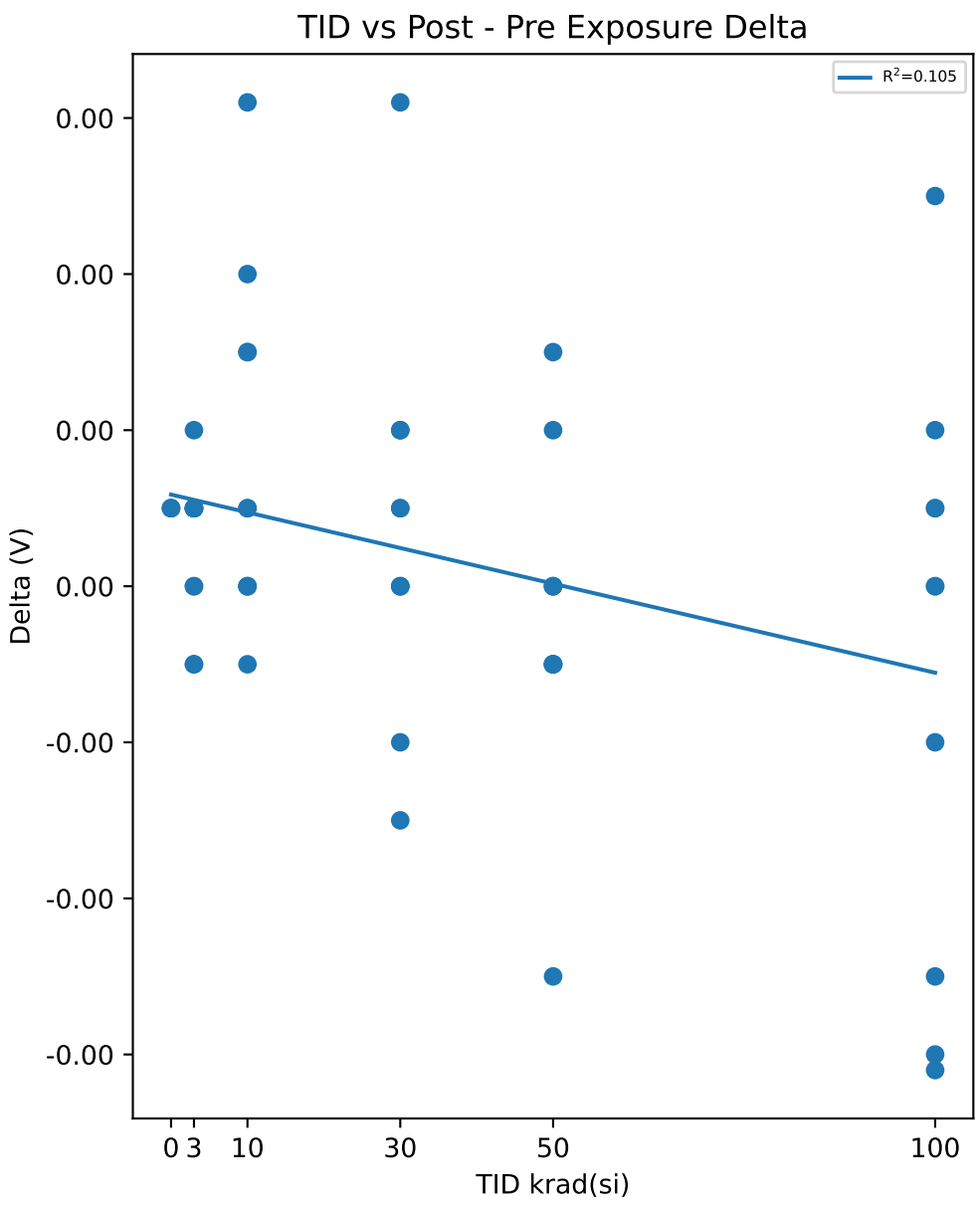
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
390	100	Biased	3.0148	3.024	0.0092
392	100	Biased	3.017	3.0267	0.0097
393	100	Biased	2.9269	2.9367	0.0098
394	100	Biased	3.0341	3.0442	0.0101
395	100	Biased	2.9213	2.9323	0.011
412	100	Unbiased	2.9292	2.9389	0.0097
413	100	Unbiased	2.7938	2.803	0.0092
414	100	Unbiased	3.0147	3.0461	0.0314
415	100	Unbiased	2.9538	2.9531	-0.0007
416	100	Unbiased	2.8429	2.8365	-0.0064
417	50	Biased	3.0264	3.0353	0.0089
418	50	Biased	2.9775	2.9844	0.0069
419	50	Biased	2.9603	2.9684	0.0081
421	50	Biased	2.8277	2.837	0.0093
422	50	Biased	3.0309	3.0405	0.0096
423	50	Unbiased	2.9261	2.935	0.0089
424	50	Unbiased	2.8282	2.8393	0.0111
425	50	Unbiased	3.0216	3.0336	0.012
426	50	Unbiased	3.0131	3.0254	0.0123
427	50	Unbiased	2.8614	2.8742	0.0128
463	0	Corr	2.8881	2.902	0.0139
464	0	Corr	3.0312	3.0455	0.0143
465	0	Corr	3.0099	3.0239	0.014
466	30	Biased	2.9906	2.9957	0.0051
469	30	Biased	2.9874	2.992	0.0046
470	30	Biased	2.9579	2.9636	0.0057
472	30	Biased	3.0267	3.0336	0.0069
474	30	Biased	3.005	3.0135	0.0085
475	30	Unbiased	2.956	2.962	0.006
477	30	Unbiased	2.9827	2.9897	0.007
478	30	Unbiased	3.077	3.0856	0.0086
479	30	Unbiased	2.88	2.8875	0.0075
480	30	Unbiased	3.0094	3.019	0.0096
481	10	Biased	2.9776	2.9817	0.0041
482	10	Biased	2.9205	2.9268	0.0063
483	10	Biased	2.8426	2.8512	0.0086
484	10	Biased	2.9097	2.9176	0.0079
485	10	Biased	2.8699	2.8764	0.0065
487	10	Unbiased	3.05	3.0571	0.0071
488	10	Unbiased	2.9493	2.9615	0.0122
489	10	Unbiased	2.9285	2.9391	0.0106
490	10	Unbiased	2.9614	2.9735	0.0121
491	10	Unbiased	2.8107	2.8218	0.0111
492	3	Biased	2.9526	2.9602	0.0076
493	3	Biased	2.9377	2.9487	0.011
494	3	Biased	2.8723	2.8833	0.011
495	3	Biased	3.0166	3.0297	0.0131
496	3	Biased	3.0158	3.0282	0.0124
497	3	Unbiased	2.9308	2.9354	0.0046
498	3	Unbiased	2.9873	2.9936	0.0063
499	3	Unbiased	3.0165	3.0247	0.0082
500	3	Unbiased	2.9601	2.9695	0.0094
502	3	Unbiased	2.8624	2.8539	-0.0085

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	2.8881	2.9764	3.0312	0.077208	2.902	2.9905	3.0455	0.077372	0.0139	0.014067	0.0143	0.00020817
3	2.8624	2.9552	3.0166	0.056418	2.8539	2.9627	3.0297	0.06029	-0.0085	0.00751	0.0131	0.0062346
10	2.8107	2.922	3.05	0.069422	2.8218	2.9307	3.0571	0.068915	0.0041	0.00865	0.0122	0.0027513
30	2.88	2.9873	3.077	0.051413	2.8875	2.9942	3.0856	0.051939	0.0046	0.00695	0.0096	0.0016284
50	2.8277	2.9473	3.0309	0.081985	2.837	2.9573	3.0405	0.081733	0.0069	0.00999	0.0128	0.0019615
100	2.7938	2.9448	3.0341	0.07983	2.803	2.9541	3.0461	0.084597	-0.0064	0.0093	0.0314	0.0096553

Device Test: 16.13 FAULT_VTH_RISING(THRESHOLD|RISE/FAULT/14////@FAULT_VTH_RISING)





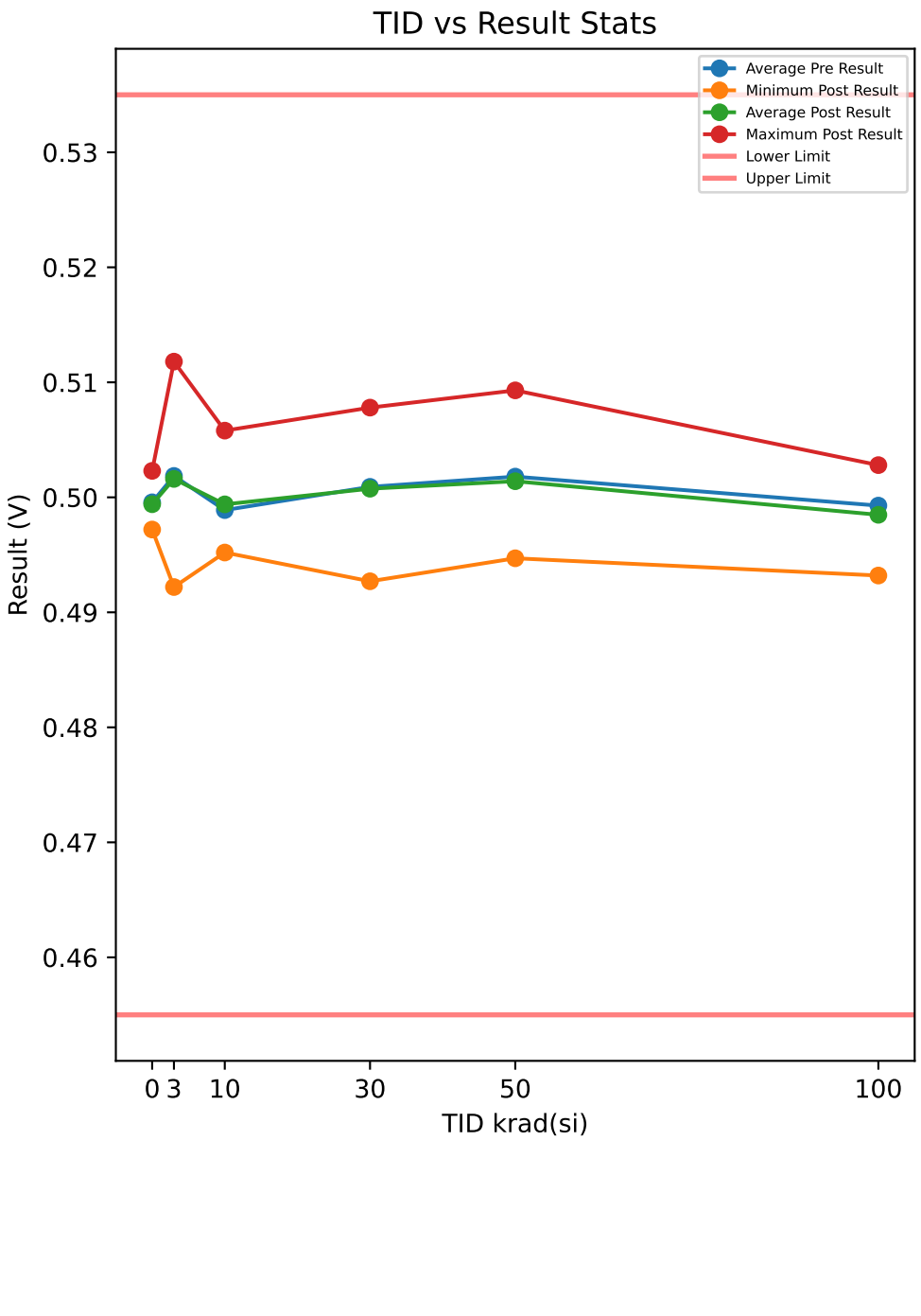
Test Results (Lower Limit = 0.555, Upper Limit = 0.635 (V))

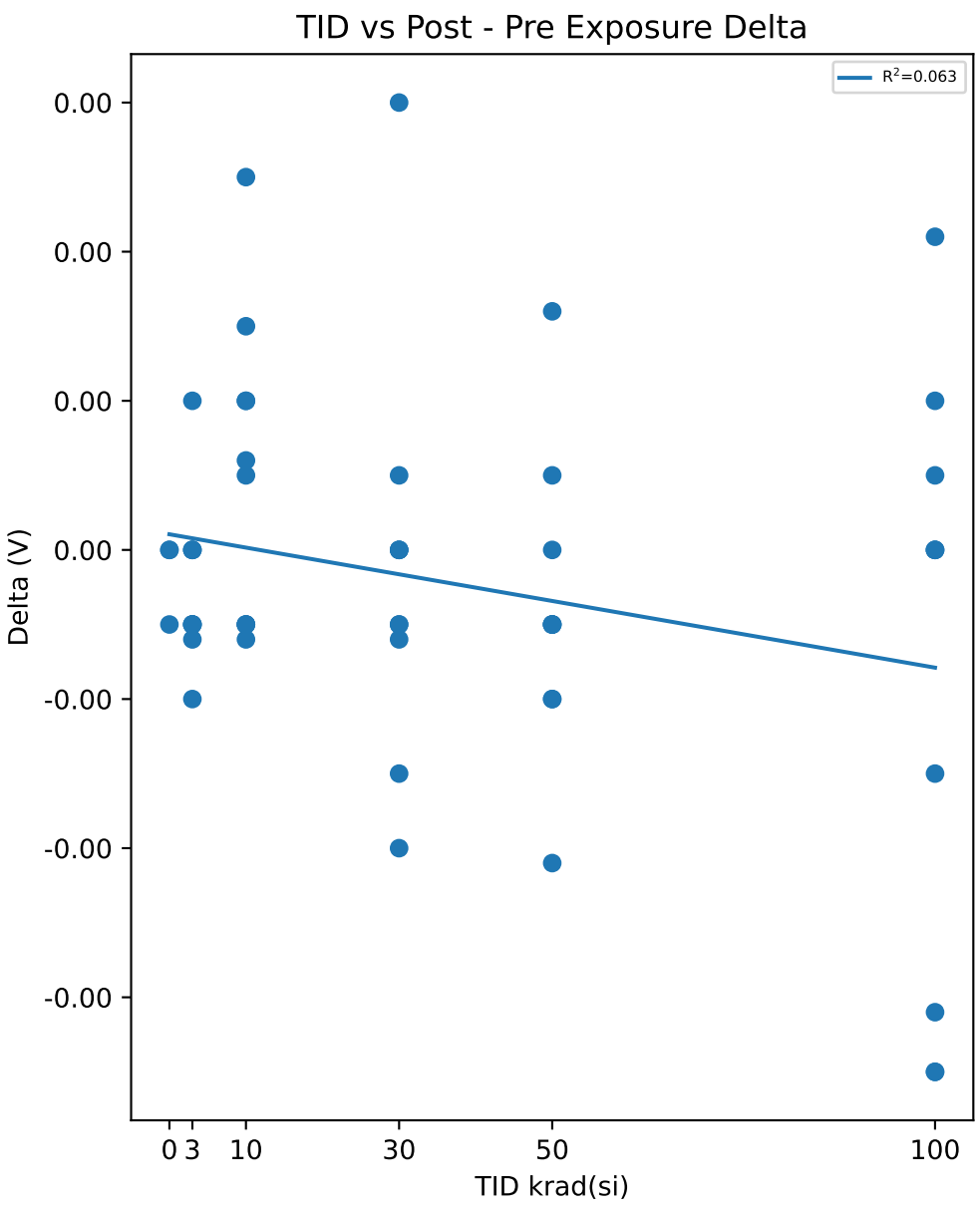
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
390	100	Biased	0.6013	0.6018	0.0005
392	100	Biased	0.6043	0.6043	0
393	100	Biased	0.6063	0.6063	0
394	100	Biased	0.5962	0.5972	0.001
395	100	Biased	0.6078	0.6068	-0.001
412	100	Unbiased	0.6043	0.6018	-0.0025
413	100	Unbiased	0.6028	0.6033	0.0005
414	100	Unbiased	0.6023	0.5992	-0.0031
415	100	Unbiased	0.6028	0.6053	0.0025
416	100	Unbiased	0.6048	0.6018	-0.003
417	50	Biased	0.6018	0.6018	0
418	50	Biased	0.6138	0.6133	-0.0005
419	50	Biased	0.6043	0.6038	-0.0005
421	50	Biased	0.6093	0.6103	0.001
422	50	Biased	0.6023	0.6038	0.0015
423	50	Unbiased	0.6128	0.6128	0
424	50	Unbiased	0.6053	0.6028	-0.0025
425	50	Unbiased	0.6028	0.6023	-0.0005
426	50	Unbiased	0.5992	0.5992	0
427	50	Unbiased	0.6078	0.6073	-0.0005
463	0	Corr	0.6063	0.6068	0.0005
464	0	Corr	0.6023	0.6028	0.0005
465	0	Corr	0.6018	0.6023	0.0005
466	30	Biased	0.6033	0.6038	0.0005
469	30	Biased	0.5992	0.6023	0.0031
470	30	Biased	0.5977	0.5967	-0.001
472	30	Biased	0.6073	0.6083	0.001
474	30	Biased	0.6018	0.6028	0.001
475	30	Unbiased	0.6118	0.6118	0
477	30	Unbiased	0.6073	0.6073	0
478	30	Unbiased	0.6078	0.6083	0.0005
479	30	Unbiased	0.6133	0.6118	-0.0015
480	30	Unbiased	0.5972	0.5972	0
481	10	Biased	0.6043	0.6038	-0.0005
482	10	Biased	0.6083	0.6083	0
483	10	Biased	0.6073	0.6088	0.0015
484	10	Biased	0.6008	0.6013	0.0005
485	10	Biased	0.6013	0.6013	0
487	10	Unbiased	0.5972	0.5992	0.002
488	10	Unbiased	0.5987	0.6002	0.0015
489	10	Unbiased	0.6033	0.6038	0.0005
490	10	Unbiased	0.5967	0.5998	0.0031
491	10	Unbiased	0.6103	0.6103	0
492	3	Biased	0.6103	0.6103	0
493	3	Biased	0.5962	0.5967	0.0005
494	3	Biased	0.6033	0.6038	0.0005
495	3	Biased	0.5998	0.6008	0.001
496	3	Biased	0.6048	0.6053	0.0005
497	3	Unbiased	0.6043	0.6043	0
498	3	Unbiased	0.6013	0.6008	-0.0005
499	3	Unbiased	0.6078	0.6073	-0.0005
500	3	Unbiased	0.6158	0.6163	0.0005
502	3	Unbiased	0.6138	0.6143	0.0005

Test Statistics (V)

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	0.6018	0.60347	0.6063	0.0024664	0.6023	0.60397	0.6068	0.0024664	0.0005	0.0005	0.0005	6.4114e-17
3	0.5962	0.60574	0.6158	0.0062015	0.5967	0.60599	0.6163	0.006182	-0.0005	0.00025	0.001	0.00048591
10	0.5967	0.60282	0.6103	0.0047244	0.5992	0.60368	0.6103	0.0040822	-0.0005	0.00086	0.0031	0.0011286
30	0.5972	0.60467	0.6133	0.0057093	0.5967	0.60503	0.6118	0.0054041	-0.0015	0.00036	0.0031	0.0012501
50	0.5992	0.60594	0.6138	0.0048576	0.5992	0.60574	0.6133	0.0049049	-0.0025	-0.0002	0.0015	0.0010593
100	0.5962	0.60329	0.6078	0.0031519	0.5972	0.60278	0.6068	0.0030608	-0.0031	-0.00051	0.0025	0.0018562

Device Test: 16.14 FAULT_VTH_FALLING(THRESHOLD|FALL/FAULT/14////@FAULT_VTH_FALLING)





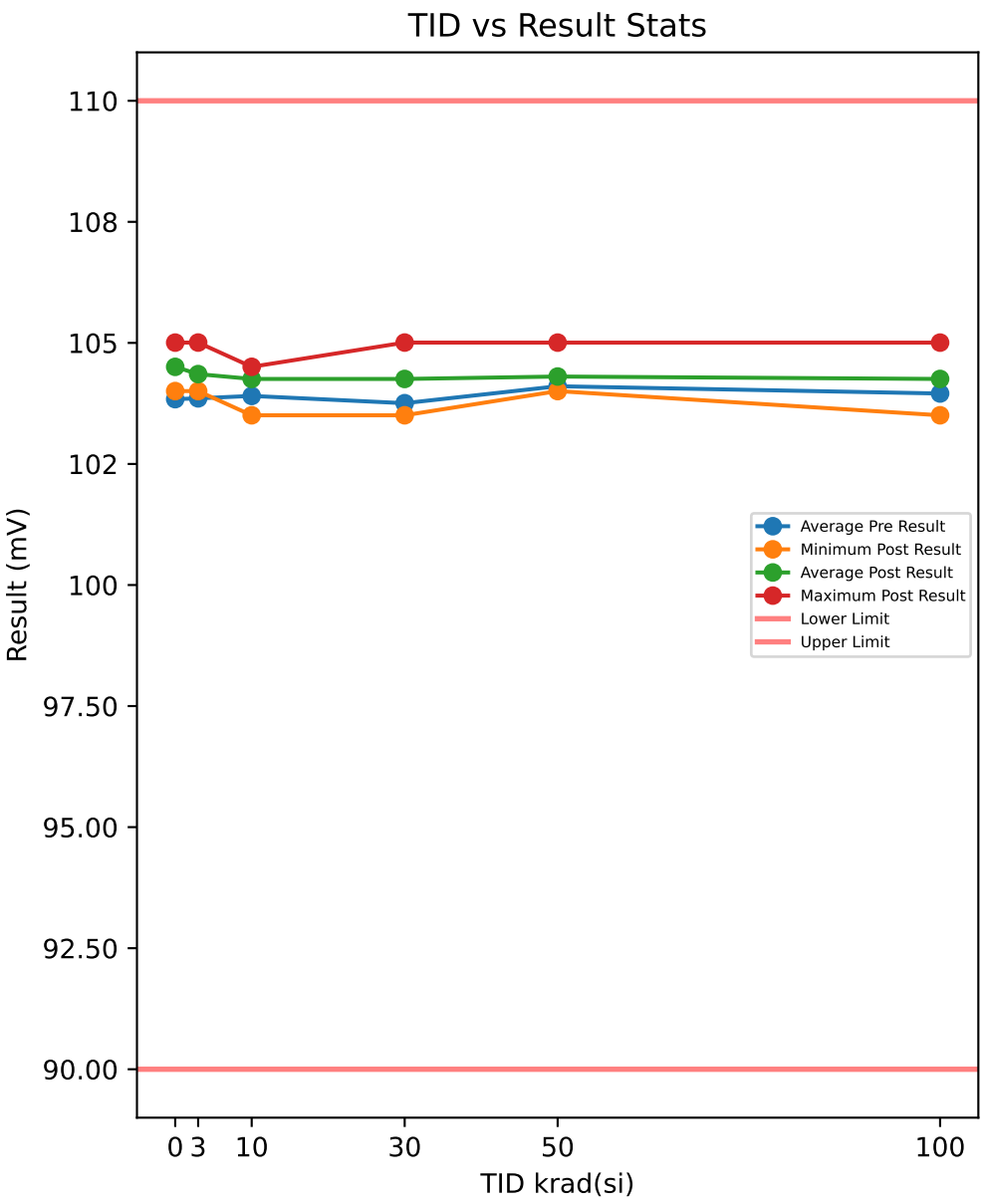
Test Results (Lower Limit = 0.455, Upper Limit = 0.535 (V))

Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
390	100	Biased	0.4977	0.4977	0
392	100	Biased	0.5002	0.5002	0
393	100	Biased	0.5023	0.5028	0.0005
394	100	Biased	0.4922	0.4932	0.001
395	100	Biased	0.5038	0.5023	-0.0015
412	100	Unbiased	0.4998	0.4967	-0.0031
413	100	Unbiased	0.4992	0.4992	0
414	100	Unbiased	0.4987	0.4952	-0.0035
415	100	Unbiased	0.4987	0.5008	0.0021
416	100	Unbiased	0.5002	0.4967	-0.0035
417	50	Biased	0.4977	0.4972	-0.0005
418	50	Biased	0.5103	0.5093	-0.001
419	50	Biased	0.5002	0.4992	-0.001
421	50	Biased	0.5048	0.5053	0.0005
422	50	Biased	0.4982	0.4998	0.0016
423	50	Unbiased	0.5088	0.5083	-0.0005
424	50	Unbiased	0.5008	0.4987	-0.0021
425	50	Unbiased	0.4982	0.4982	0
426	50	Unbiased	0.4952	0.4947	-0.0005
427	50	Unbiased	0.5038	0.5033	-0.0005
463	0	Corr	0.5028	0.5023	-0.0005
464	0	Corr	0.4987	0.4987	0
465	0	Corr	0.4972	0.4972	0
466	30	Biased	0.4998	0.4992	-0.0006
469	30	Biased	0.4952	0.4982	0.003
470	30	Biased	0.4942	0.4927	-0.0015
472	30	Biased	0.5033	0.5038	0.0005
474	30	Biased	0.4982	0.4982	0
475	30	Unbiased	0.5073	0.5068	-0.0005
477	30	Unbiased	0.5033	0.5033	0
478	30	Unbiased	0.5043	0.5038	-0.0005
479	30	Unbiased	0.5098	0.5078	-0.002
480	30	Unbiased	0.4937	0.4937	0
481	10	Biased	0.5008	0.5002	-0.0006
482	10	Biased	0.5043	0.5038	-0.0005
483	10	Biased	0.5033	0.5043	0.001
484	10	Biased	0.4967	0.4972	0.0005
485	10	Biased	0.4972	0.4967	-0.0005
487	10	Unbiased	0.4937	0.4952	0.0015
488	10	Unbiased	0.4947	0.4957	0.001
489	10	Unbiased	0.4992	0.4998	0.0006
490	10	Unbiased	0.4927	0.4952	0.0025
491	10	Unbiased	0.5063	0.5058	-0.0005
492	3	Biased	0.5063	0.5058	-0.0005
493	3	Biased	0.4922	0.4922	0
494	3	Biased	0.4987	0.4987	0
495	3	Biased	0.4957	0.4967	0.001
496	3	Biased	0.5013	0.5008	-0.0005
497	3	Unbiased	0.5008	0.5002	-0.0006
498	3	Unbiased	0.4977	0.4967	-0.001
499	3	Unbiased	0.5033	0.5028	-0.0005
500	3	Unbiased	0.5123	0.5118	-0.0005
502	3	Unbiased	0.5103	0.5103	0

Test Statistics (V)

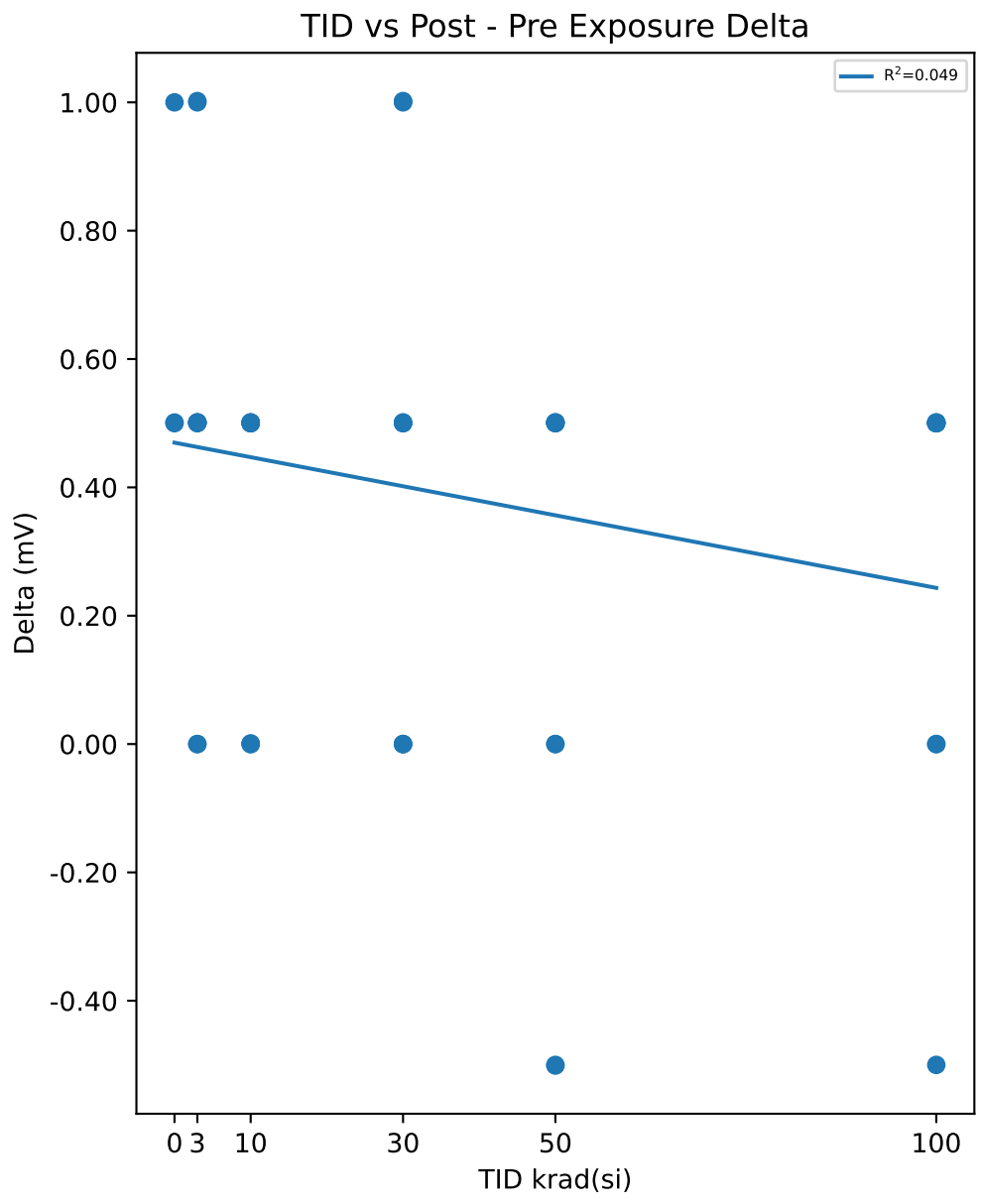
krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	0.4972	0.49957	0.5028	0.0028989	0.4972	0.4994	0.5023	0.0026211	-0.0005	-0.00016667	0	0.00028868
3	0.4922	0.50186	0.5123	0.0063421	0.4922	0.5016	0.5118	0.0062022	-0.001	-0.00026	0.001	0.0005461
10	0.4927	0.49889	0.5063	0.0046884	0.4952	0.49939	0.5058	0.0040308	-0.0006	0.0005	0.0025	0.0010392
30	0.4937	0.50091	0.5098	0.0055874	0.4927	0.50075	0.5078	0.0051782	-0.002	-0.00016	0.003	0.0013377
50	0.4952	0.5018	0.5103	0.00499	0.4947	0.5014	0.5093	0.0049024	-0.0021	-0.0004	0.0016	0.00097866
100	0.4922	0.49928	0.5038	0.0030699	0.4932	0.49848	0.5028	0.0031215	-0.0035	-0.0008	0.0021	0.0019894

Device Test: 16.15 FAULT_VTH_HYST(THRESHOLD|HYST/FAULT/14////@FAULT_VTH_HYST)



Test Results (Lower Limit = 90.0, Upper Limit = 110.0 (mV))

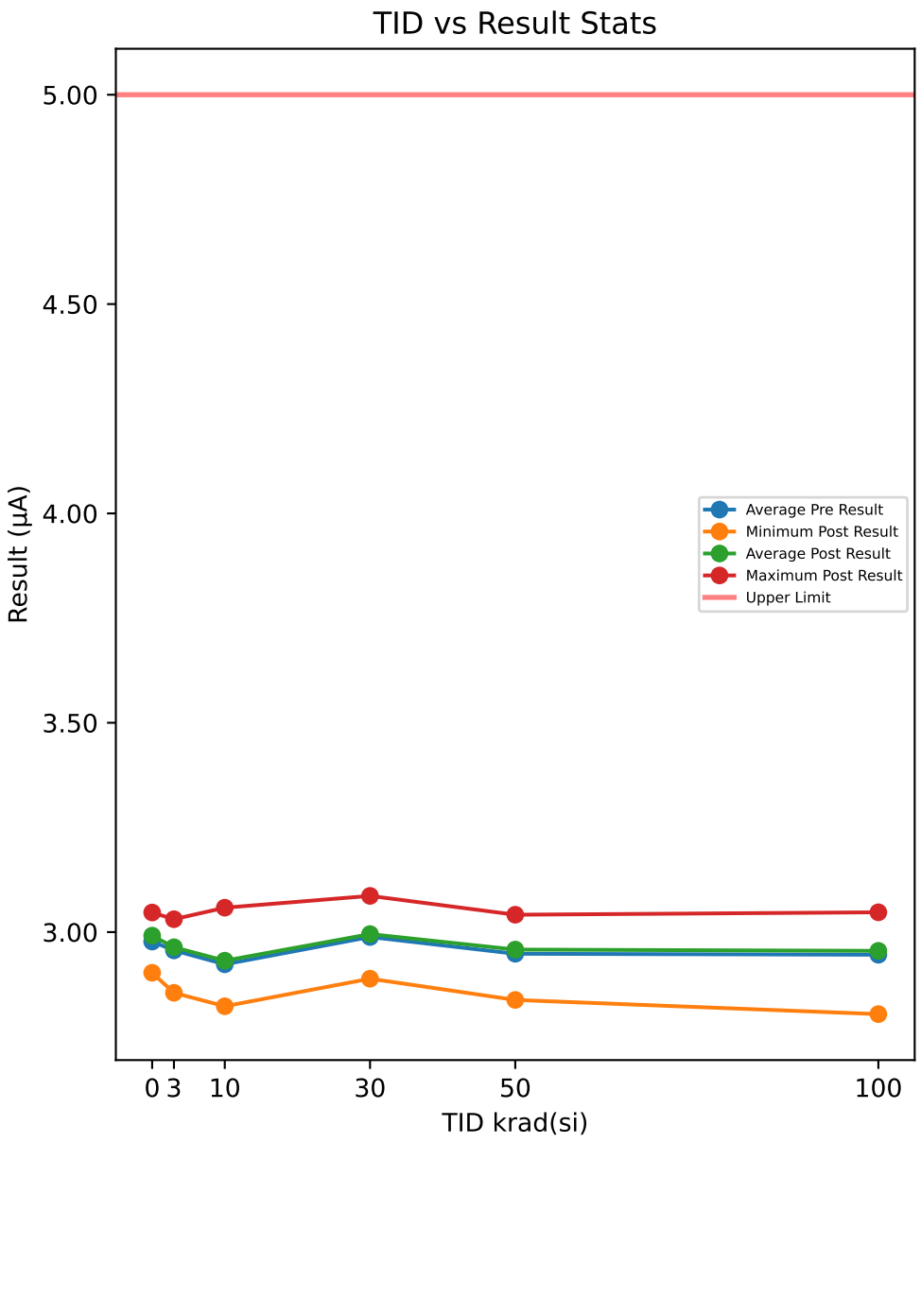
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
390	100	Biased	103.5	104	0.5
392	100	Biased	104	104	0
393	100	Biased	104	103.5	-0.5
394	100	Biased	104	104	0
395	100	Biased	104	104.5	0.5
412	100	Unbiased	104.5	105.01	0.501
413	100	Unbiased	103.5	104	0.501
414	100	Unbiased	103.5	104	0.5
415	100	Unbiased	104	104.51	0.501
416	100	Unbiased	104.51	105.01	0.5
417	50	Biased	104	104.5	0.5
418	50	Biased	103.5	104	0.501
419	50	Biased	104	104.51	0.501
421	50	Biased	104.51	105.01	0.5
422	50	Biased	104	104	0
423	50	Unbiased	104	104.51	0.501
424	50	Unbiased	104.51	104	-0.501
425	50	Unbiased	104.5	104	-0.5
426	50	Unbiased	104	104.51	0.501
427	50	Unbiased	104	104	0
463	0	Corr	103.5	104.5	1
464	0	Corr	103.5	104	0.5
465	0	Corr	104.5	105.01	0.501
466	30	Biased	103.5	104.51	1.002
469	30	Biased	104	104	0
470	30	Biased	103.5	104	0.501
472	30	Biased	104	104.5	0.5
474	30	Biased	103.5	104.5	1.001
475	30	Unbiased	104.51	105.01	0.501
477	30	Unbiased	104	104	0
478	30	Unbiased	103.5	104.5	1
479	30	Unbiased	103.5	104	0.5
480	30	Unbiased	103.5	103.5	0
481	10	Biased	103.5	103.5	0.001
482	10	Biased	104	104.5	0.5
483	10	Biased	104	104.51	0.501
484	10	Biased	104	104	0
485	10	Biased	104	104.51	0.501
487	10	Unbiased	103.5	104	0.5
488	10	Unbiased	104	104.5	0.5
489	10	Unbiased	104	104	0
490	10	Unbiased	104	104.51	0.501
491	10	Unbiased	104	104.51	0.501
492	3	Biased	104	104.51	0.501
493	3	Biased	104	104.51	0.501
494	3	Biased	104.51	105.01	0.501
495	3	Biased	104	104	0
496	3	Biased	103.5	104.51	1.002
497	3	Unbiased	103.5	104	0.501
498	3	Unbiased	103.5	104	0.5
499	3	Unbiased	104.51	104.51	0
500	3	Unbiased	103.5	104.5	1
502	3	Unbiased	103.5	104	0.501

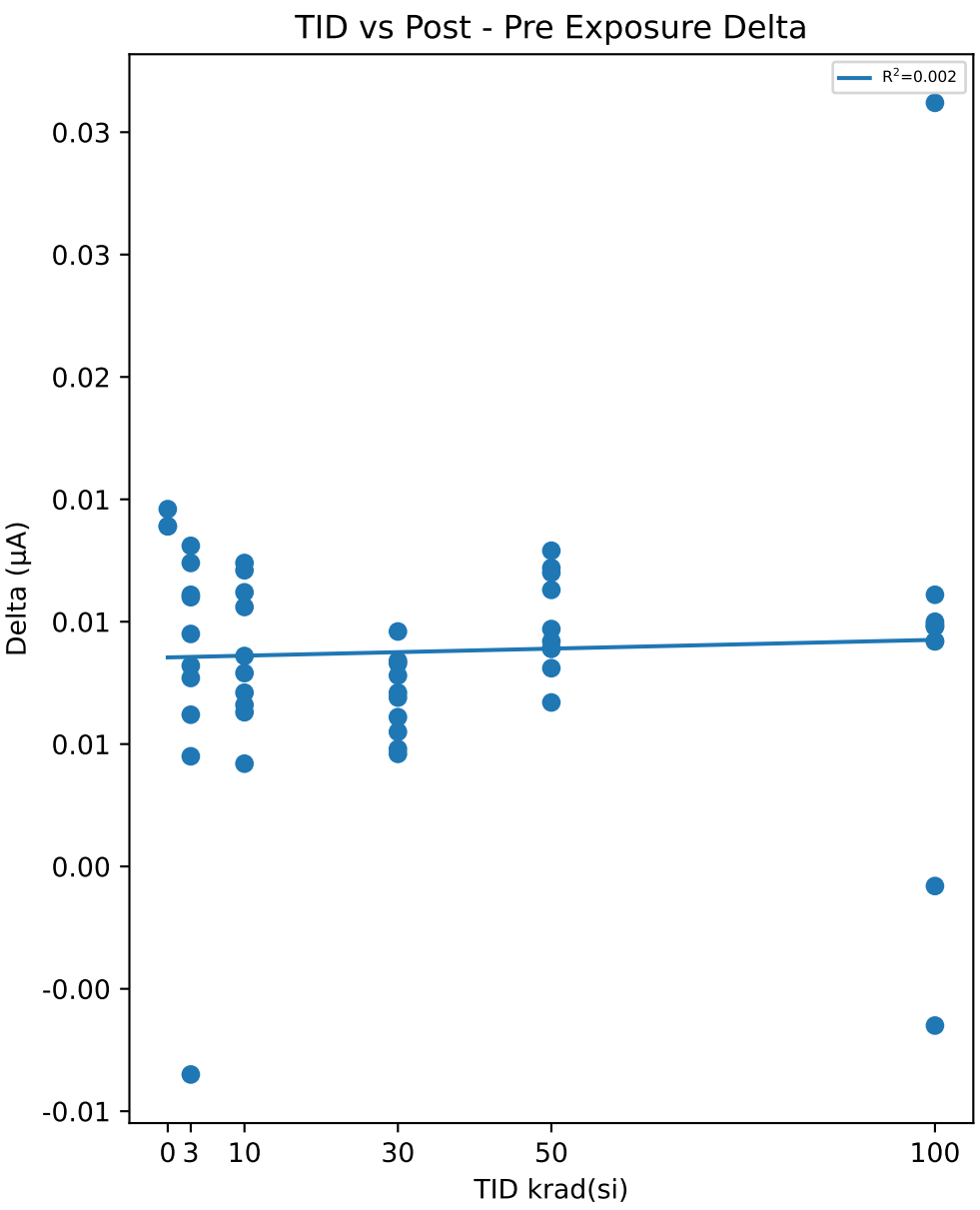


Test Statistics (mV)

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	103.5	103.84	104.5	0.57735	104	104.51	105.01	0.5005	0.5	0.667	1	0.28839
3	103.5	103.85	104.51	0.41227	104	104.36	105.01	0.3381	0	0.5007	1.002	0.33367
10	103.5	103.9	104	0.21103	103.5	104.26	104.51	0.35387	0	0.3505	0.501	0.24164
30	103.5	103.75	104.51	0.35403	103.5	104.26	105.01	0.42538	0	0.5005	1.002	0.40866
50	103.5	104.11	104.51	0.31672	104	104.31	105.01	0.35002	-0.501	0.2003	0.501	0.42214
100	103.5	103.95	104.51	0.36923	103.5	104.26	105.01	0.48631	-0.5	0.3003	0.501	0.34979

Device Test: 16.16 FAULT_LKG_CURR(LEAK|POWERED/FAULT/14////@FAULT_LKG_CURR)





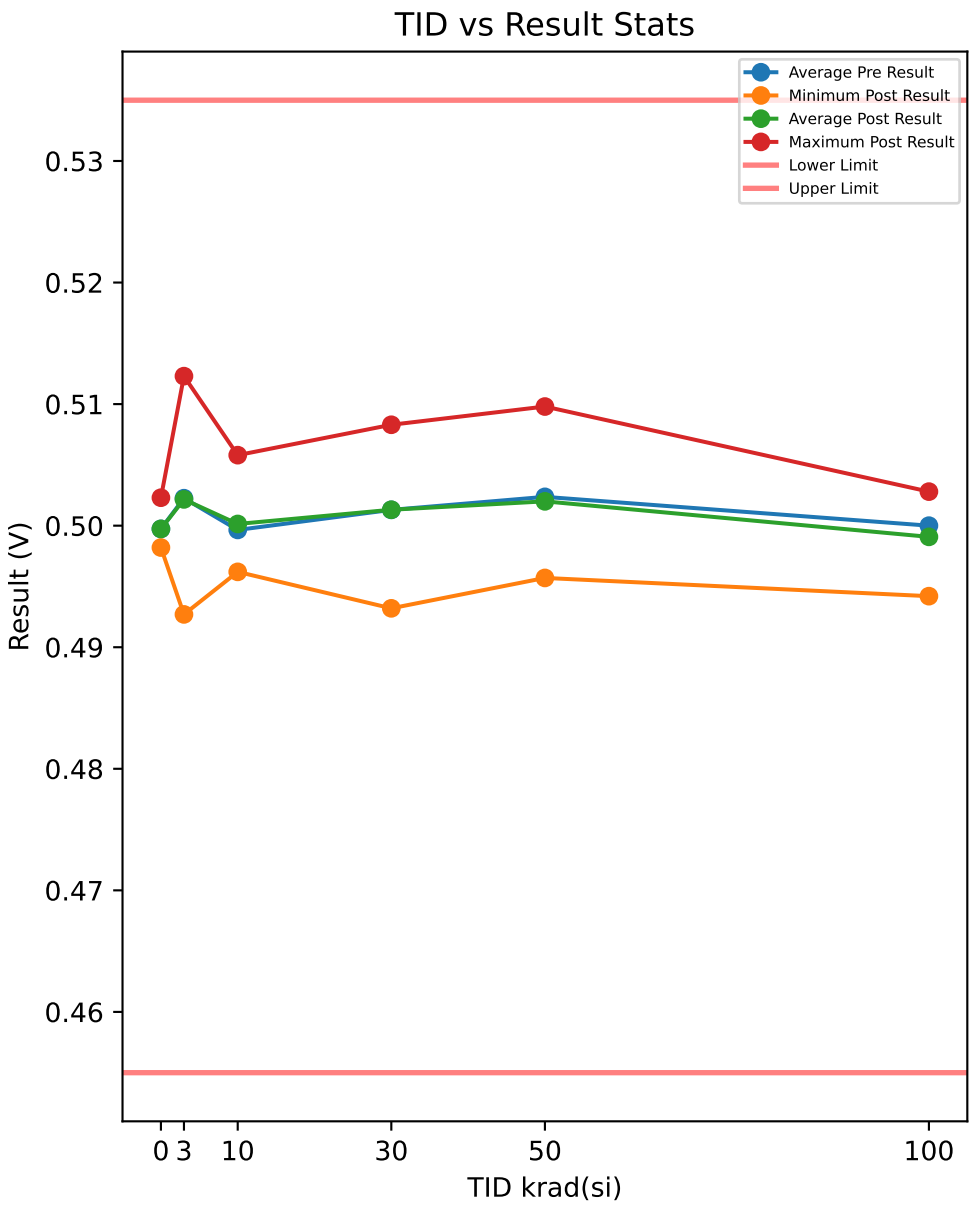
Test Results (Upper Limit = 5.0 (µA))

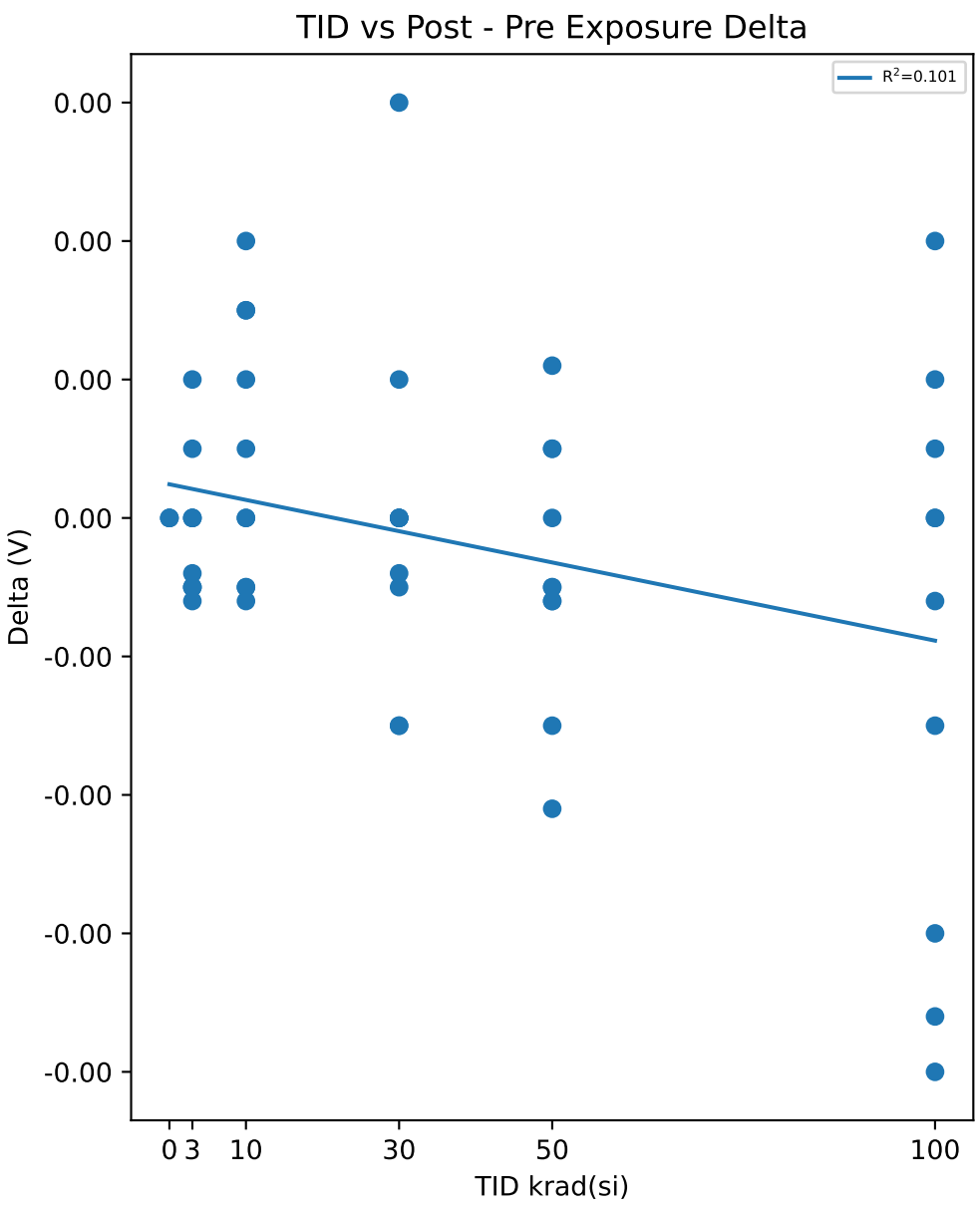
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
390	100	Biased	3.0159	3.0251	0.0092
392	100	Biased	3.0178	3.0277	0.0099
393	100	Biased	2.9279	2.9377	0.0098
394	100	Biased	3.0352	3.0452	0.01
395	100	Biased	2.9223	2.9334	0.0111
412	100	Unbiased	2.9302	2.94	0.0098
413	100	Unbiased	2.7949	2.8041	0.0092
414	100	Unbiased	3.0161	3.0473	0.0312
415	100	Unbiased	2.955	2.9542	-0.0008
416	100	Unbiased	2.844	2.8375	-0.0065
417	50	Biased	3.0274	3.0363	0.0089
418	50	Biased	2.9785	2.9852	0.0067
419	50	Biased	2.9613	2.9694	0.0081
421	50	Biased	2.8288	2.838	0.0092
422	50	Biased	3.0318	3.0415	0.0097
423	50	Unbiased	2.9271	2.936	0.0089
424	50	Unbiased	2.8289	2.8402	0.0113
425	50	Unbiased	3.0226	3.0346	0.012
426	50	Unbiased	3.0141	3.0263	0.0122
427	50	Unbiased	2.8622	2.8751	0.0129
463	0	Corr	2.889	2.9029	0.0139
464	0	Corr	3.0322	3.0468	0.0146
465	0	Corr	3.011	3.0249	0.0139
466	30	Biased	2.9919	2.9967	0.0048
469	30	Biased	2.9885	2.9931	0.0046
470	30	Biased	2.9592	2.9647	0.0055
472	30	Biased	3.0275	3.0346	0.0071
474	30	Biased	3.006	3.0144	0.0084
475	30	Unbiased	2.9569	2.963	0.0061
477	30	Unbiased	2.9837	2.9906	0.0069
478	30	Unbiased	3.0782	3.0865	0.0083
479	30	Unbiased	2.8809	2.8887	0.0078
480	30	Unbiased	3.0105	3.0201	0.0096
481	10	Biased	2.9784	2.9826	0.0042
482	10	Biased	2.9214	2.9277	0.0063
483	10	Biased	2.8436	2.8522	0.0086
484	10	Biased	2.9109	2.9188	0.0079
485	10	Biased	2.871	2.8776	0.0066
487	10	Unbiased	3.0512	3.0583	0.0071
488	10	Unbiased	2.9503	2.9627	0.0124
489	10	Unbiased	2.9296	2.9402	0.0106
490	10	Unbiased	2.9625	2.9746	0.0121
491	10	Unbiased	2.8117	2.8229	0.0112
492	3	Biased	2.9537	2.9614	0.0077
493	3	Biased	2.9389	2.9499	0.011
494	3	Biased	2.8734	2.8845	0.0111
495	3	Biased	3.0177	3.0308	0.0131
496	3	Biased	3.0169	3.0293	0.0124
497	3	Unbiased	2.9319	2.9364	0.0045
498	3	Unbiased	2.9885	2.9947	0.0062
499	3	Unbiased	3.0175	3.0257	0.0082
500	3	Unbiased	2.9611	2.9706	0.0095
502	3	Unbiased	2.8635	2.855	-0.0085

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	2.889	2.9774	3.0322	0.077287	2.9029	2.9915	3.0468	0.077536	0.0139	0.014133	0.0146	0.00040415
3	2.8635	2.9563	3.0177	0.056408	2.855	2.9638	3.0308	0.060266	-0.0085	0.00752	0.0131	0.0062521
10	2.8117	2.9231	3.0512	0.069441	2.8229	2.9318	3.0583	0.068927	0.0042	0.0087	0.0124	0.0027637
30	2.8809	2.9883	3.0782	0.051453	2.8887	2.9952	3.0865	0.051869	0.0046	0.00691	0.0096	0.0016549
50	2.8288	2.9483	3.0318	0.082029	2.838	2.9583	3.0415	0.081743	0.0067	0.00999	0.0129	0.0020163
100	2.7949	2.9459	3.0352	0.079838	2.8041	2.9552	3.0473	0.084605	-0.0065	0.00929	0.0312	0.0096371

Device Test: 16.2 FAULT_VTH_FALLING(THRESHOLD|FALL/FAULT/4.5////@FAULT_VTH_FALLING)





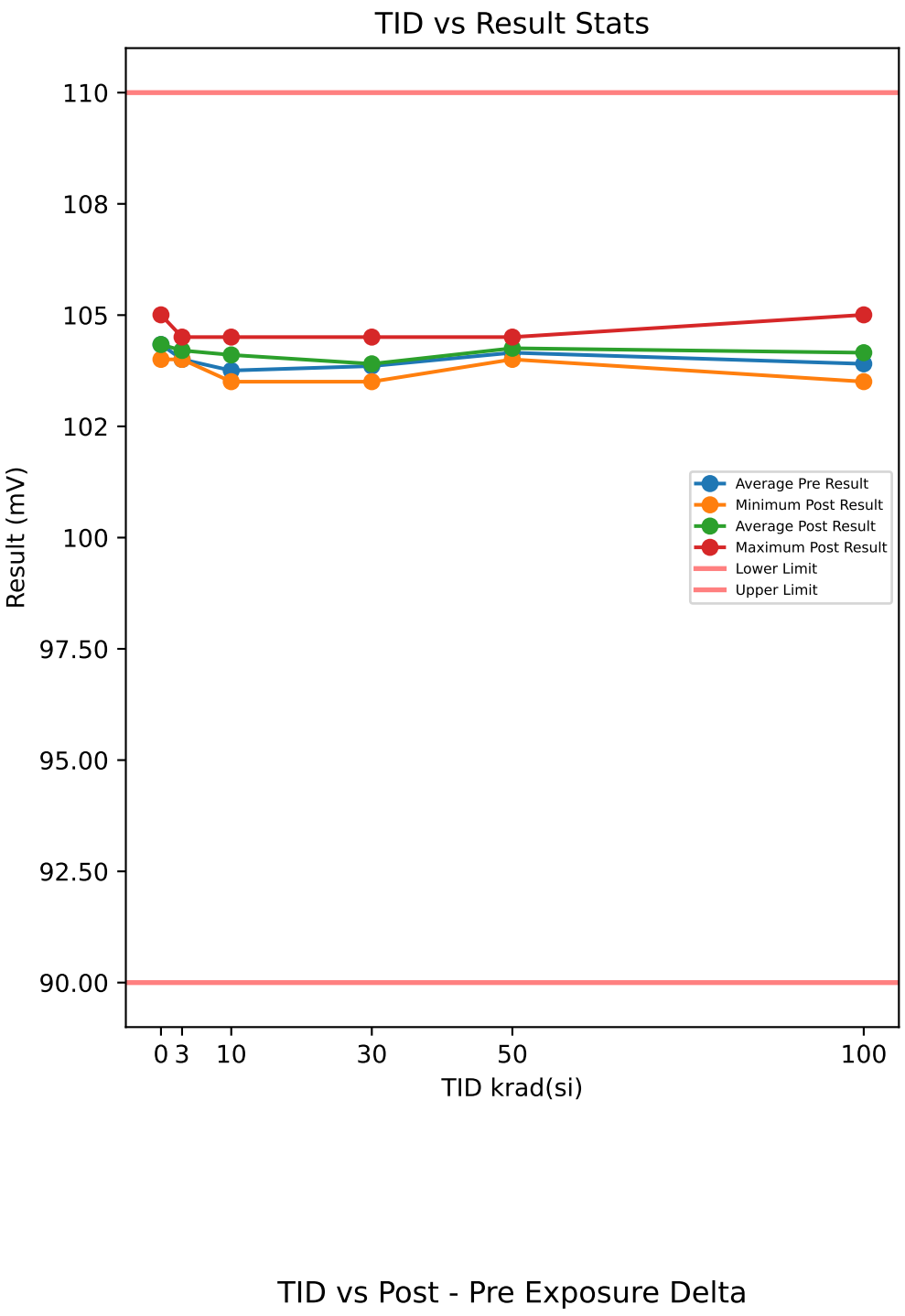
Test Results (Lower Limit = 0.455, Upper Limit = 0.535 (V))

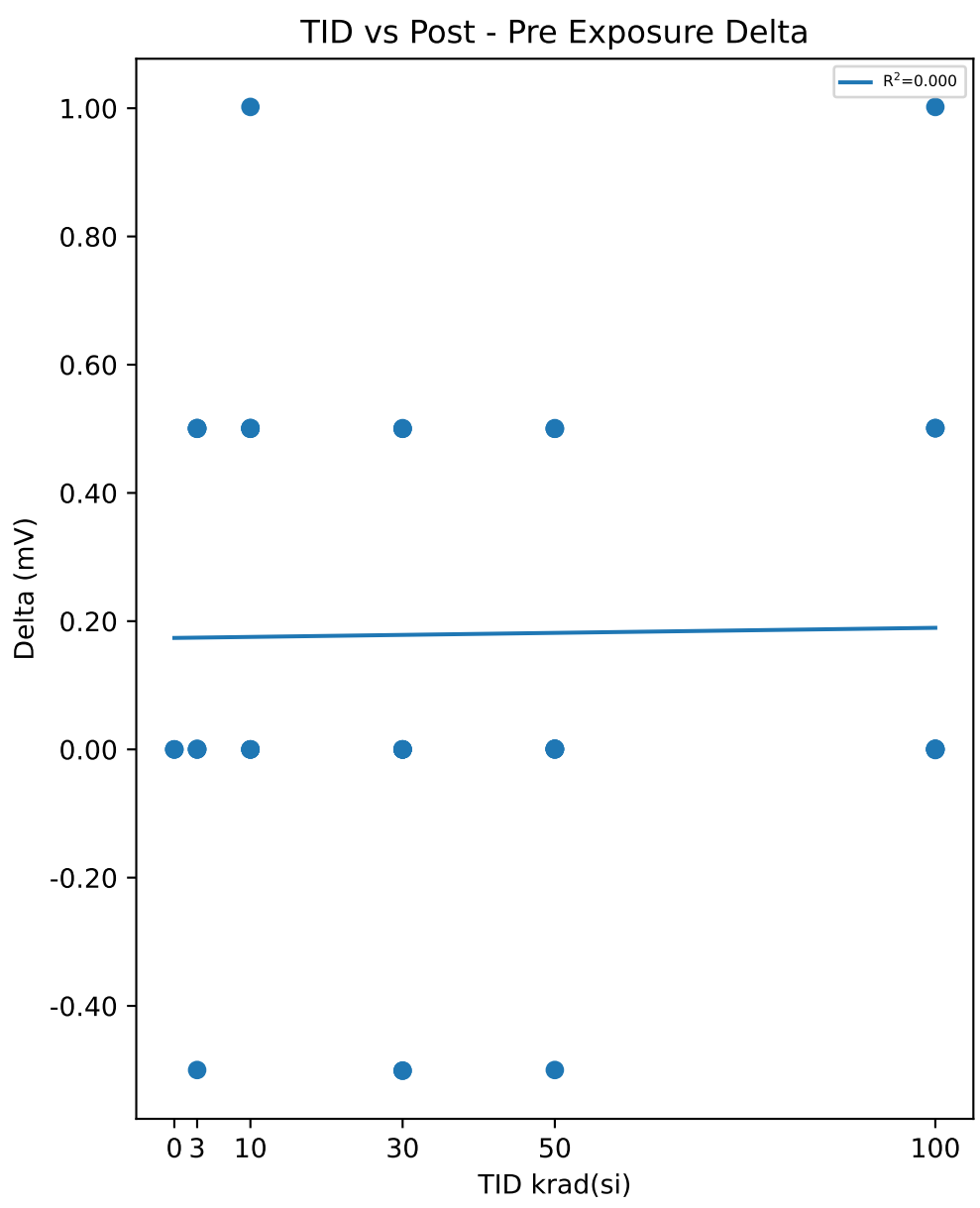
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
390	100	Biased	0.4982	0.4987	0.0005
392	100	Biased	0.5008	0.5002	-0.0006
393	100	Biased	0.5028	0.5028	0
394	100	Biased	0.4932	0.4942	0.001
395	100	Biased	0.5043	0.5028	-0.0015
412	100	Unbiased	0.5013	0.4977	-0.0036
413	100	Unbiased	0.5002	0.5002	0
414	100	Unbiased	0.4992	0.4952	-0.004
415	100	Unbiased	0.4998	0.5018	0.002
416	100	Unbiased	0.5002	0.4972	-0.003
417	50	Biased	0.4982	0.4982	0
418	50	Biased	0.5103	0.5088	-0.0015
419	50	Biased	0.5008	0.5002	-0.0006
421	50	Biased	0.5053	0.5058	0.0005
422	50	Biased	0.4987	0.4998	0.0011
423	50	Unbiased	0.5093	0.5098	0.0005
424	50	Unbiased	0.5013	0.4992	-0.0021
425	50	Unbiased	0.4998	0.4992	-0.0006
426	50	Unbiased	0.4962	0.4957	-0.0005
427	50	Unbiased	0.5038	0.5033	-0.0005
463	0	Corr	0.5023	0.5023	0
464	0	Corr	0.4987	0.4987	0
465	0	Corr	0.4982	0.4982	0
466	30	Biased	0.5002	0.4998	-0.0004
469	30	Biased	0.4962	0.4992	0.003
470	30	Biased	0.4947	0.4932	-0.0015
472	30	Biased	0.5033	0.5043	0.001
474	30	Biased	0.4987	0.4987	0
475	30	Unbiased	0.5073	0.5073	0
477	30	Unbiased	0.5033	0.5033	0
478	30	Unbiased	0.5053	0.5053	0
479	30	Unbiased	0.5098	0.5083	-0.0015
480	30	Unbiased	0.4942	0.4937	-0.0005
481	10	Biased	0.5008	0.5002	-0.0006
482	10	Biased	0.5058	0.5053	-0.0005
483	10	Biased	0.5038	0.5053	0.0015
484	10	Biased	0.4972	0.4977	0.0005
485	10	Biased	0.4972	0.4972	0
487	10	Unbiased	0.4952	0.4967	0.0015
488	10	Unbiased	0.4962	0.4972	0.001
489	10	Unbiased	0.4998	0.4998	0
490	10	Unbiased	0.4942	0.4962	0.002
491	10	Unbiased	0.5063	0.5058	-0.0005
492	3	Biased	0.5068	0.5063	-0.0005
493	3	Biased	0.4927	0.4927	0
494	3	Biased	0.4998	0.4992	-0.0006
495	3	Biased	0.4967	0.4977	0.001
496	3	Biased	0.5018	0.5018	0
497	3	Unbiased	0.5002	0.4998	-0.0004
498	3	Unbiased	0.4982	0.4977	-0.0005
499	3	Unbiased	0.5038	0.5033	-0.0005
500	3	Unbiased	0.5123	0.5123	0
502	3	Unbiased	0.5103	0.5108	0.0005

Test Statistics (V)

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	0.4982	0.49973	0.5023	0.0022368	0.4982	0.49973	0.5023	0.0022368	0	0	0	0
3	0.4927	0.50226	0.5123	0.0061258	0.4927	0.50216	0.5123	0.0061431	-0.0006	-0.0001	0.001	0.00051854
10	0.4942	0.49965	0.5063	0.0043973	0.4962	0.50014	0.5058	0.0038874	-0.0006	0.00049	0.002	0.00095505
30	0.4942	0.5013	0.5098	0.0053769	0.4932	0.50131	0.5083	0.0052788	-0.0015	1e-05	0.003	0.0012871
50	0.4962	0.50237	0.5103	0.0047221	0.4957	0.502	0.5098	0.004727	-0.0021	-0.00037	0.0011	0.00095574
100	0.4932	0.5	0.5043	0.0029609	0.4942	0.49908	0.5028	0.0030191	-0.004	-0.00092	0.002	0.0020373

Device Test: 16.3 FAULT_VTH_HYST(THRESHOLD|HYST/FAULT/4.5////@FAULT_VTH_HYST)





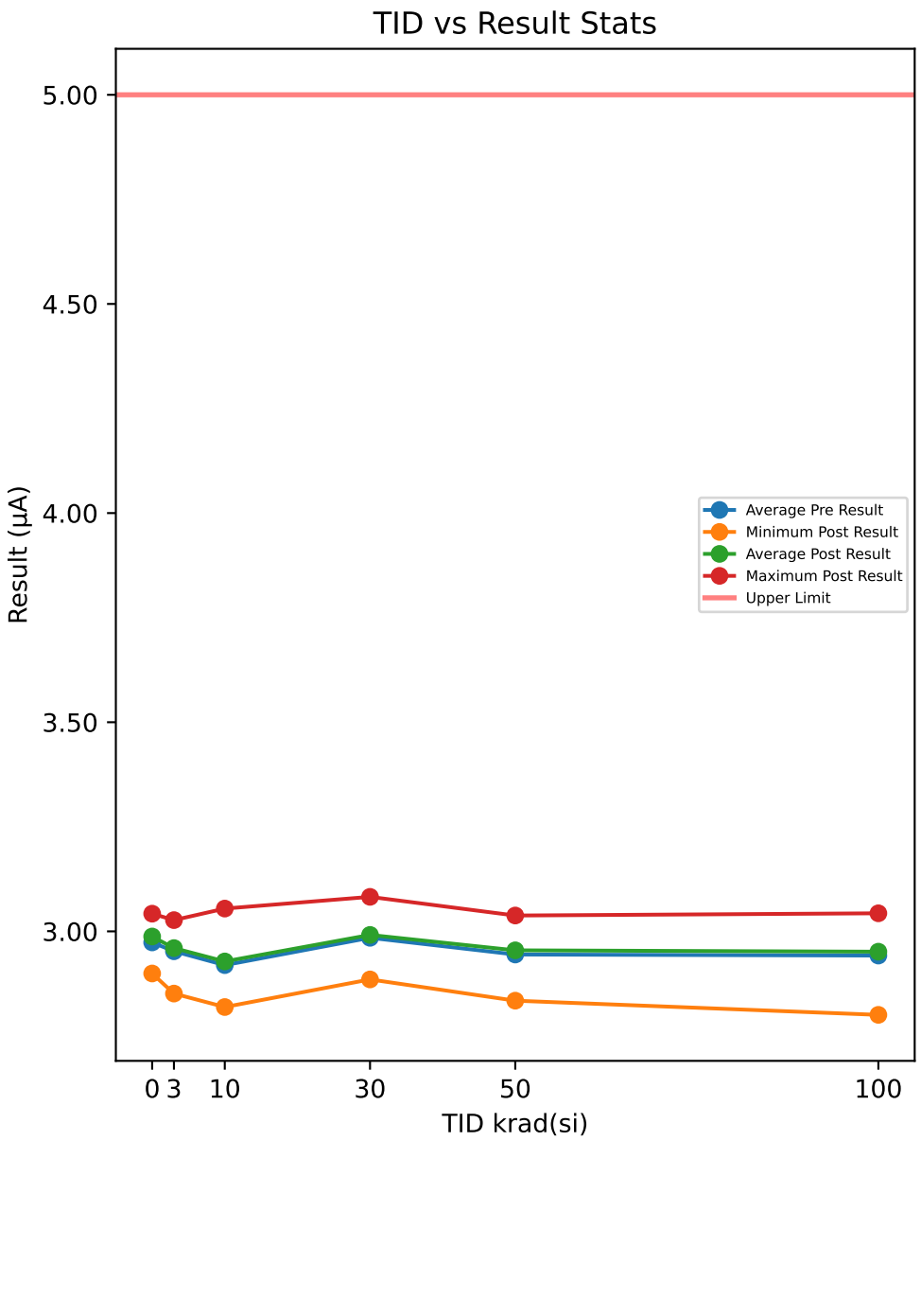
Test Results (Lower Limit = 90.0, Upper Limit = 110.0 (mV))

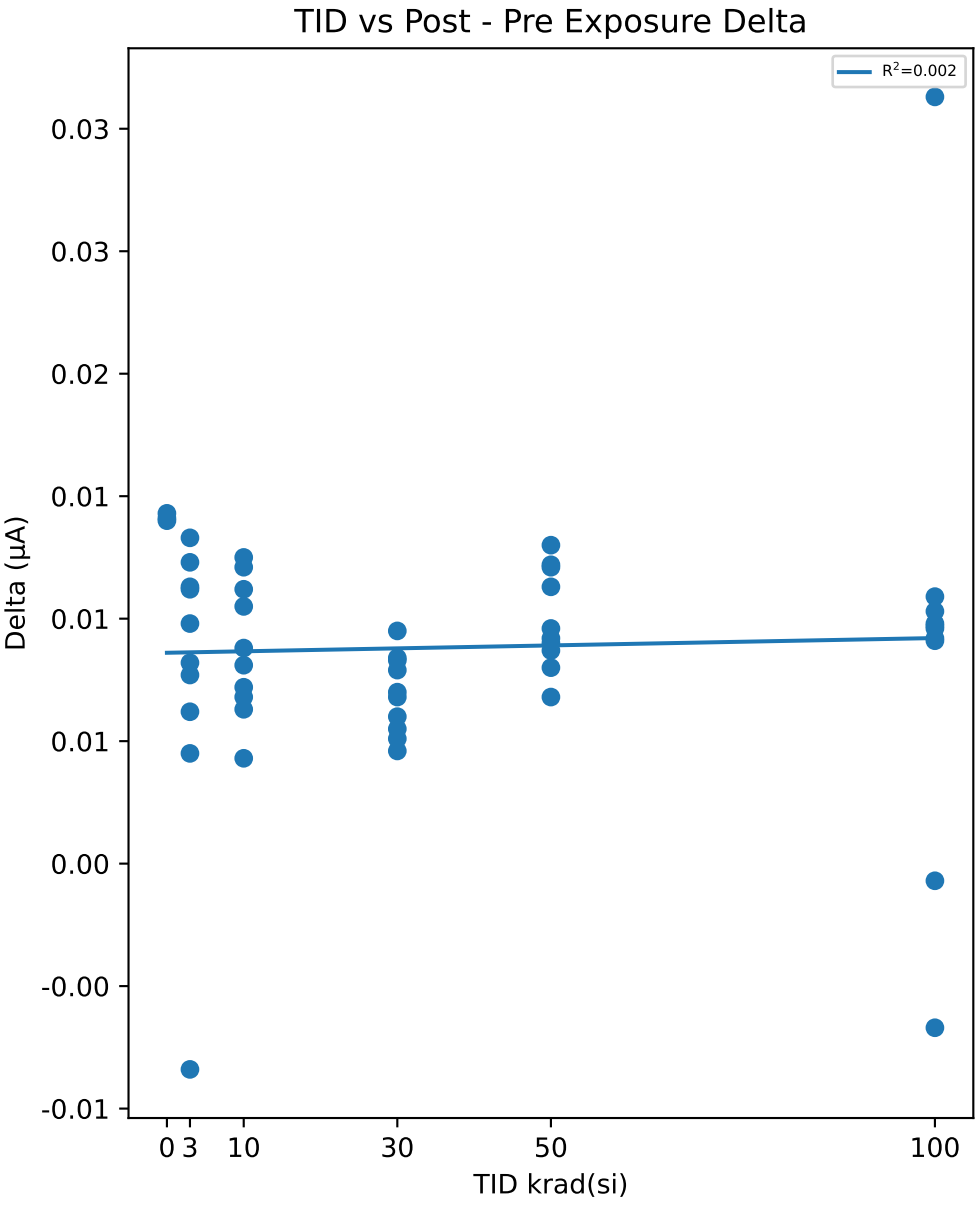
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
390	100	Biased	103.5	103.5	0.001
392	100	Biased	103.5	103.5	0.001
393	100	Biased	104	104	0
394	100	Biased	104	104	0
395	100	Biased	104	104.51	0.501
412	100	Unbiased	104.5	105.01	0.501
413	100	Unbiased	103.5	103.5	0
414	100	Unbiased	103.5	104.51	1.002
415	100	Unbiased	104	104.51	0.501
416	100	Unbiased	104.51	104.5	-0.001
417	50	Biased	104	104	0
418	50	Biased	103.5	104	0.501
419	50	Biased	104	104	0
421	50	Biased	104.5	104.51	0.001
422	50	Biased	104	104.5	0.5
423	50	Unbiased	104.5	104	-0.5
424	50	Unbiased	104.5	104.51	0.001
425	50	Unbiased	104.5	104.51	0.001
426	50	Unbiased	104	104.5	0.5
427	50	Unbiased	104	104	0
463	0	Corr	104	104	0
464	0	Corr	104	104	0
465	0	Corr	105.01	105.01	0
466	30	Biased	104	104	0
469	30	Biased	104	103.5	-0.501
470	30	Biased	103.5	104	0.5
472	30	Biased	104	104	0
474	30	Biased	103.5	104	0.5
475	30	Unbiased	104.51	104.51	0
477	30	Unbiased	104	103.5	-0.501
478	30	Unbiased	103.5	104	0.501
479	30	Unbiased	103.5	103.5	0
480	30	Unbiased	104	104	0
481	10	Biased	103	103.5	0.501
482	10	Biased	103.5	104	0.5
483	10	Biased	104	104	0
484	10	Biased	104	104.51	0.501
485	10	Biased	104	104	0
487	10	Unbiased	103.5	103.5	0
488	10	Unbiased	104	104.5	0.5
489	10	Unbiased	104	104	0
490	10	Unbiased	103.5	104.51	1.002
491	10	Unbiased	104	104.51	0.501
492	3	Biased	103.5	104	0.5
493	3	Biased	104	104	0
494	3	Biased	104.5	104.51	0.001
495	3	Biased	104	104.51	0.501
496	3	Biased	104	104.51	0.501
497	3	Unbiased	103.5	104	0.5
498	3	Unbiased	103.5	104	0.501
499	3	Unbiased	105.01	104.51	-0.5
500	3	Unbiased	104	104	0
502	3	Unbiased	104	104	0

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	104	104.34	105.01	0.57793	104	104.34	105.01	0.57793	0	0	0	0
3	103.5	104	105.01	0.47176	104	104.21	104.51	0.25872	-0.5	0.2004	0.501	0.34983
10	103	103.75	104	0.35395	103.5	104.11	104.51	0.39491	0	0.3505	1.002	0.33805
30	103.5	103.85	104.51	0.3378	103.5	103.9	104.51	0.31672	-0.501	0.0499	0.501	0.3694
50	103.5	104.15	104.5	0.33769	104	104.26	104.51	0.26384	-0.5	0.1004	0.501	0.31626
100	103.5	103.9	104.51	0.39491	103.5	104.16	105.01	0.53007	-0.001	0.2506	1.002	0.35418

Device Test: 16.4 FAULT_LKG_CURR(LEAK|POWERED/FAULT/4.5////@FAULT_LKG_CURR)





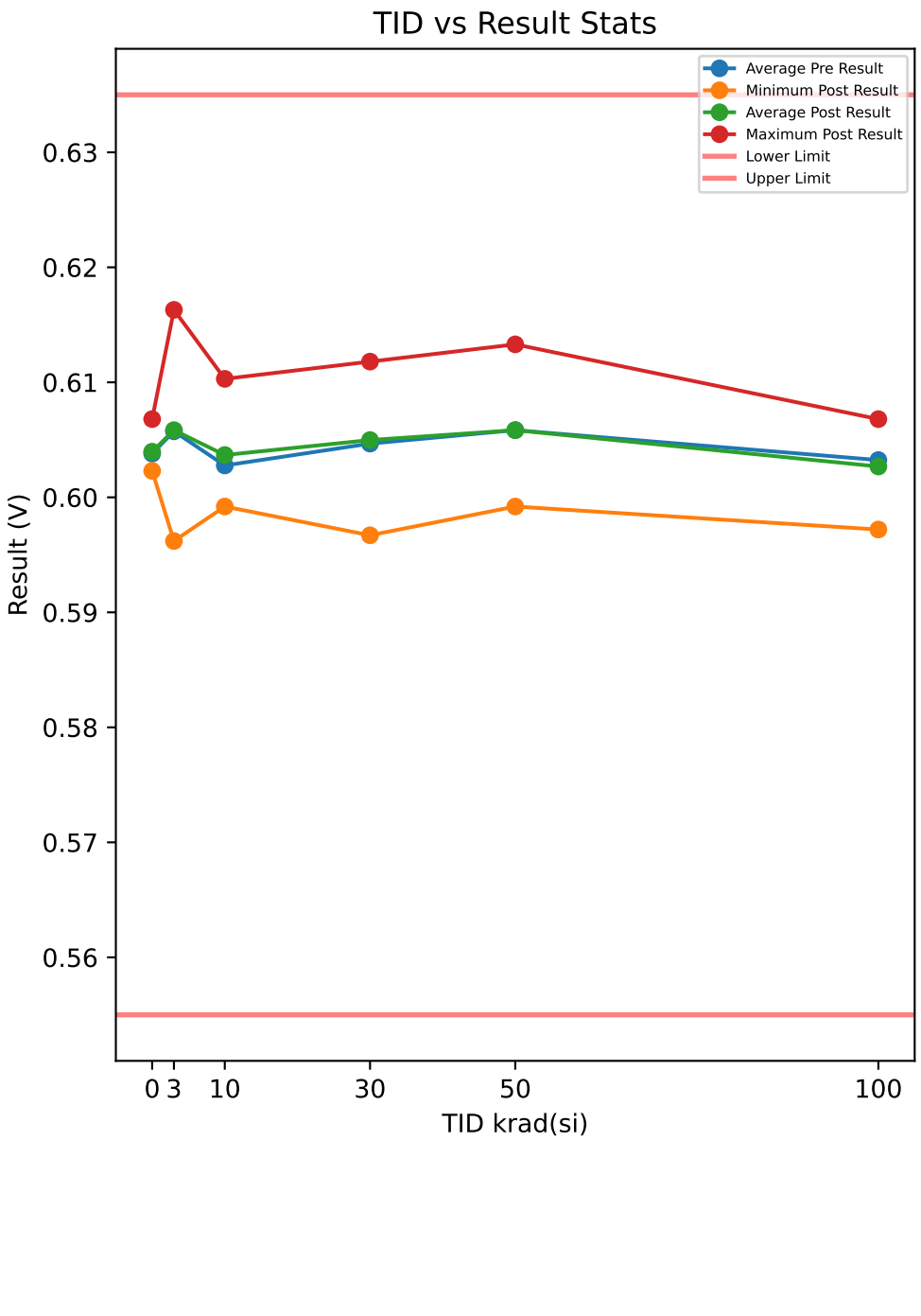
Test Results (Upper Limit = 5.0 (µA))

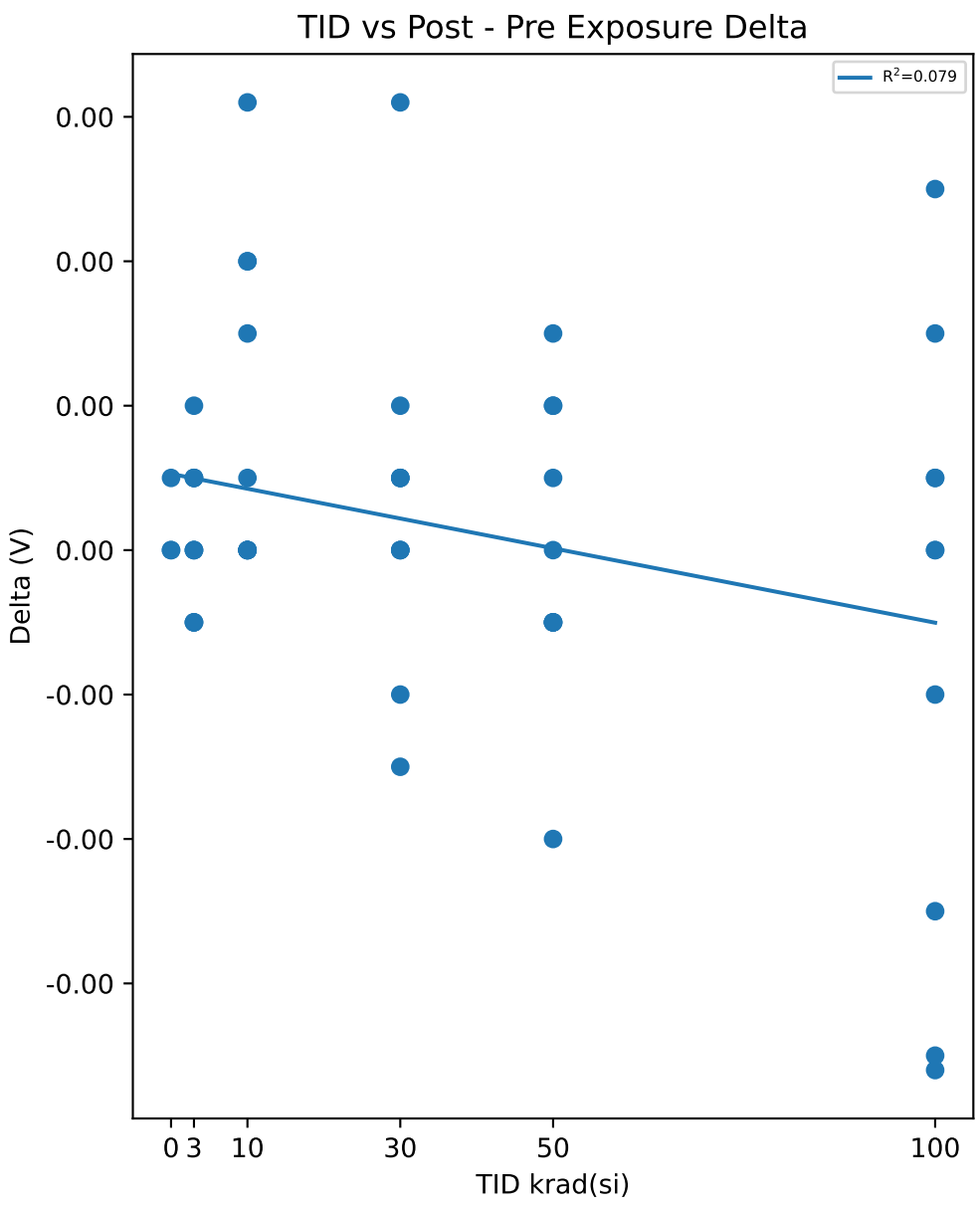
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
390	100	Biased	3.0119	3.021	0.0091
392	100	Biased	3.0143	3.0241	0.0098
393	100	Biased	2.9242	2.9338	0.0096
394	100	Biased	3.0315	3.0418	0.0103
395	100	Biased	2.9188	2.9297	0.0109
412	100	Unbiased	2.9263	2.936	0.0097
413	100	Unbiased	2.7912	2.8004	0.0092
414	100	Unbiased	3.0119	3.0432	0.0313
415	100	Unbiased	2.9511	2.9504	-0.0007
416	100	Unbiased	2.8404	2.8337	-0.0067
417	50	Biased	3.0239	3.0329	0.009
418	50	Biased	2.9749	2.9817	0.0068
419	50	Biased	2.9577	2.9657	0.008
421	50	Biased	2.8251	2.8343	0.0092
422	50	Biased	3.0283	3.0379	0.0096
423	50	Unbiased	2.9236	2.9323	0.0087
424	50	Unbiased	2.8256	2.8369	0.0113
425	50	Unbiased	3.0187	3.0308	0.0121
426	50	Unbiased	3.0103	3.0225	0.0122
427	50	Unbiased	2.8586	2.8716	0.013
463	0	Corr	2.8852	2.8993	0.0141
464	0	Corr	3.0283	3.0423	0.014
465	0	Corr	3.0072	3.0215	0.0143
466	30	Biased	2.9879	2.993	0.0051
469	30	Biased	2.9844	2.989	0.0046
470	30	Biased	2.9553	2.9608	0.0055
472	30	Biased	3.0241	3.0311	0.007
474	30	Biased	3.0026	3.0109	0.0083
475	30	Unbiased	2.9533	2.9593	0.006
477	30	Unbiased	2.9804	2.9872	0.0068
478	30	Unbiased	3.0741	3.0825	0.0084
479	30	Unbiased	2.8772	2.8851	0.0079
480	30	Unbiased	3.0067	3.0162	0.0095
481	10	Biased	2.975	2.9793	0.0043
482	10	Biased	2.9178	2.9241	0.0063
483	10	Biased	2.8395	2.8483	0.0088
484	10	Biased	2.9071	2.9152	0.0081
485	10	Biased	2.8671	2.8739	0.0068
487	10	Unbiased	3.0473	3.0545	0.0072
488	10	Unbiased	2.9464	2.9589	0.0125
489	10	Unbiased	2.9263	2.9368	0.0105
490	10	Unbiased	2.9587	2.9708	0.0121
491	10	Unbiased	2.8079	2.8191	0.0112
492	3	Biased	2.9499	2.9576	0.0077
493	3	Biased	2.9347	2.9459	0.0112
494	3	Biased	2.8694	2.8807	0.0113
495	3	Biased	3.0136	3.0269	0.0133
496	3	Biased	3.0131	3.0254	0.0123
497	3	Unbiased	2.9283	2.9328	0.0045
498	3	Unbiased	2.9841	2.9903	0.0062
499	3	Unbiased	3.0139	3.0221	0.0082
500	3	Unbiased	2.9573	2.9671	0.0098
502	3	Unbiased	2.8597	2.8513	-0.0084

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	2.8852	2.9736	3.0283	0.077252	2.8993	2.9877	3.0423	0.07726	0.014	0.014133	0.0143	0.00015275
3	2.8597	2.9524	3.0139	0.056395	2.8513	2.96	3.0269	0.060209	-0.0084	0.00761	0.0133	0.0062717
10	2.8079	2.9193	3.0473	0.069503	2.8191	2.9281	3.0545	0.068973	0.0043	0.00878	0.0125	0.0027239
30	2.8772	2.9846	3.0741	0.051407	2.8851	2.9915	3.0825	0.051815	0.0046	0.00691	0.0095	0.0016086
50	2.8251	2.9447	3.0283	0.081968	2.8343	2.9547	3.0379	0.081688	0.0068	0.00999	0.013	0.0020458
100	2.7912	2.9422	3.0315	0.079761	2.8004	2.9514	3.0432	0.084592	-0.0067	0.00925	0.0313	0.0096844

Device Test: 16.5 FAULT_VTH_RISING(THRESHOLD|RISE/FAULT/5////@FAULT_VTH_RISING)





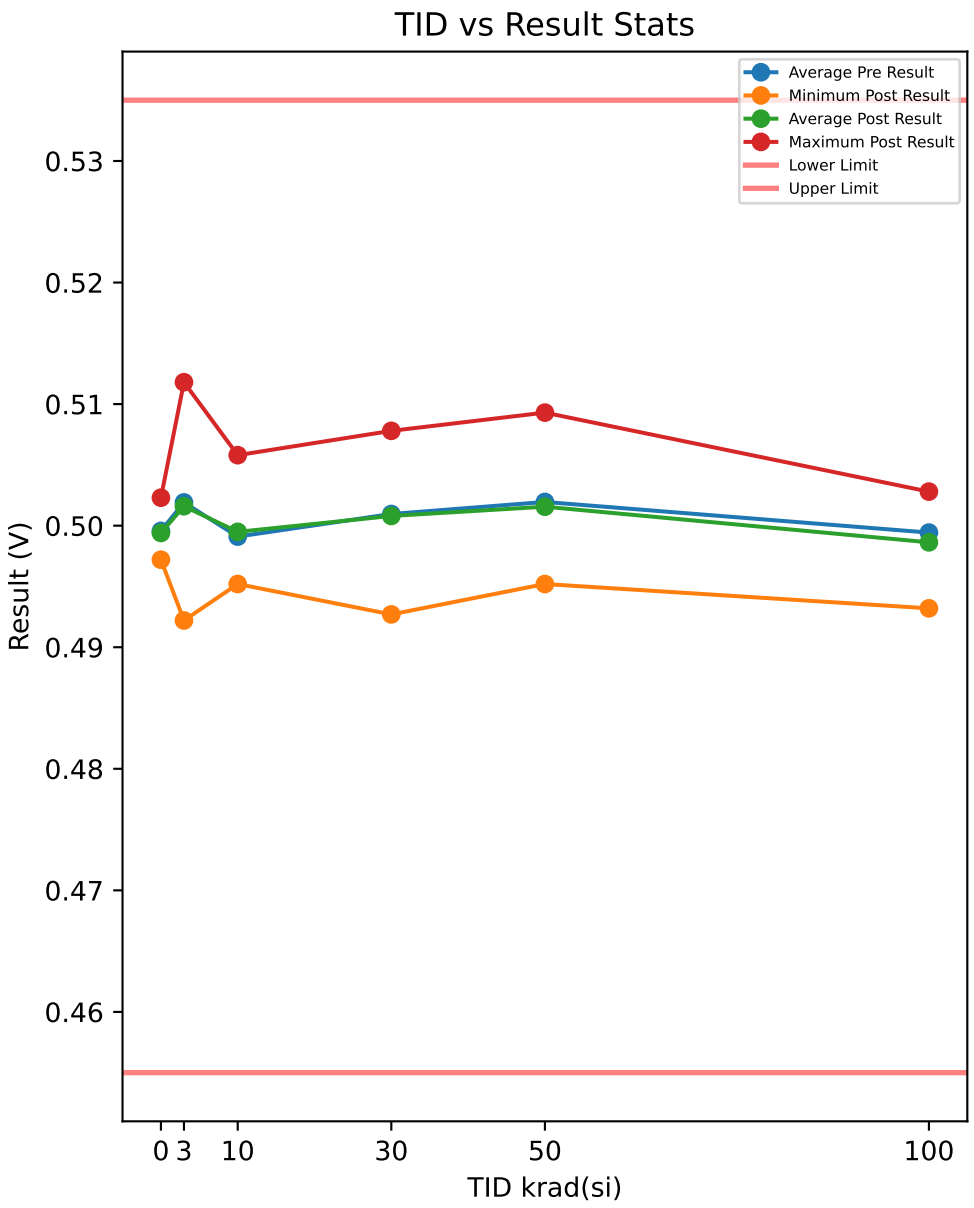
Test Results (Lower Limit = 0.555, Upper Limit = 0.635 (V))

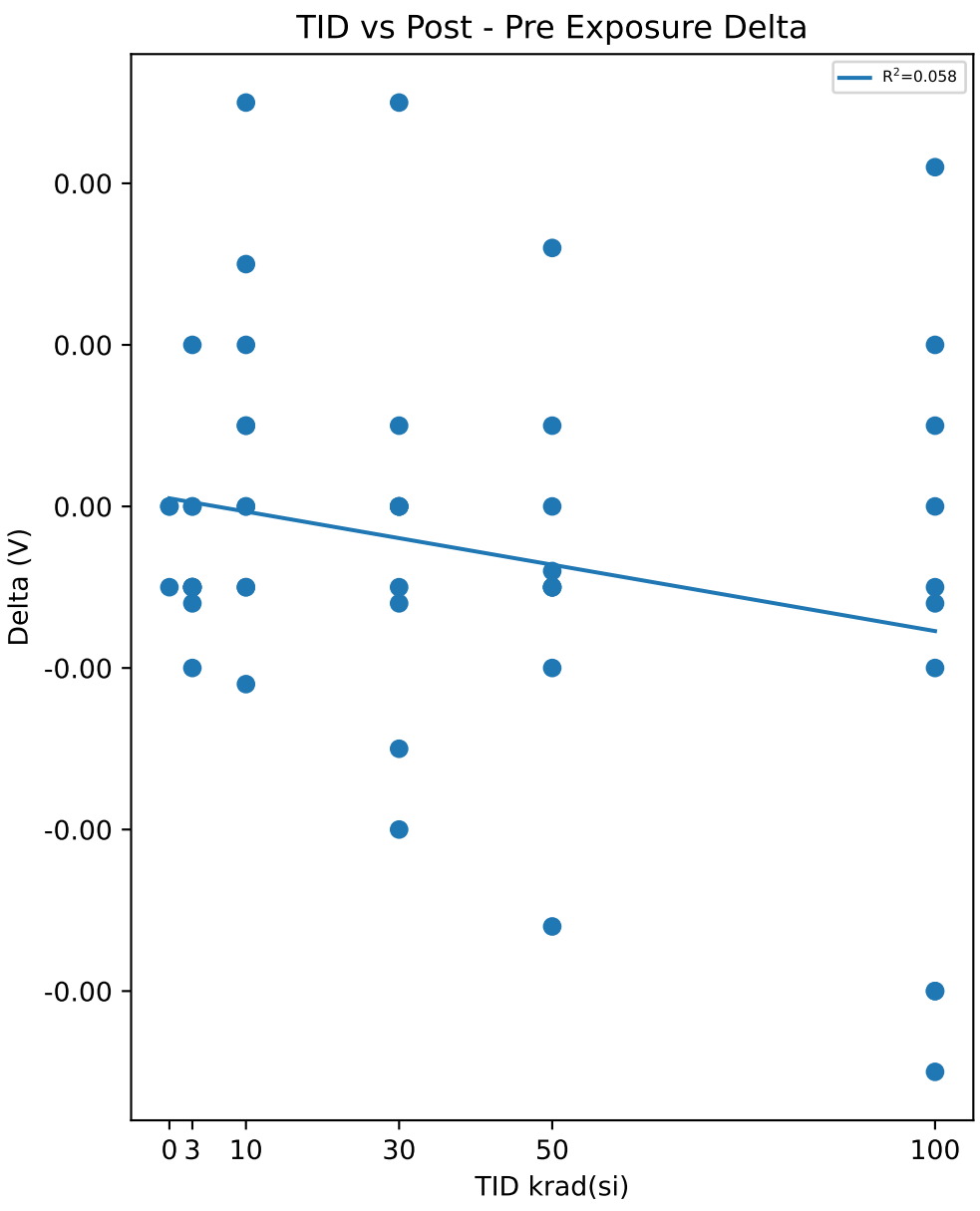
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
390	100	Biased	0.6013	0.6013	0
392	100	Biased	0.6043	0.6043	0
393	100	Biased	0.6058	0.6063	0.0005
394	100	Biased	0.5957	0.5972	0.0015
395	100	Biased	0.6078	0.6068	-0.001
412	100	Unbiased	0.6043	0.6018	-0.0025
413	100	Unbiased	0.6028	0.6033	0.0005
414	100	Unbiased	0.6028	0.5992	-0.0036
415	100	Unbiased	0.6028	0.6053	0.0025
416	100	Unbiased	0.6048	0.6013	-0.0035
417	50	Biased	0.6013	0.6018	0.0005
418	50	Biased	0.6138	0.6133	-0.0005
419	50	Biased	0.6043	0.6038	-0.0005
421	50	Biased	0.6093	0.6103	0.001
422	50	Biased	0.6023	0.6038	0.0015
423	50	Unbiased	0.6123	0.6133	0.001
424	50	Unbiased	0.6053	0.6033	-0.002
425	50	Unbiased	0.6028	0.6023	-0.0005
426	50	Unbiased	0.5992	0.5992	0
427	50	Unbiased	0.6078	0.6073	-0.0005
463	0	Corr	0.6063	0.6068	0.0005
464	0	Corr	0.6028	0.6028	0
465	0	Corr	0.6023	0.6023	0
466	30	Biased	0.6038	0.6038	0
469	30	Biased	0.5992	0.6023	0.0031
470	30	Biased	0.5977	0.5967	-0.001
472	30	Biased	0.6073	0.6083	0.001
474	30	Biased	0.6018	0.6023	0.0005
475	30	Unbiased	0.6113	0.6118	0.0005
477	30	Unbiased	0.6073	0.6073	0
478	30	Unbiased	0.6078	0.6083	0.0005
479	30	Unbiased	0.6133	0.6118	-0.0015
480	30	Unbiased	0.5972	0.5972	0
481	10	Biased	0.6043	0.6043	0
482	10	Biased	0.6083	0.6083	0
483	10	Biased	0.6068	0.6088	0.002
484	10	Biased	0.6008	0.6013	0.0005
485	10	Biased	0.6013	0.6013	0
487	10	Unbiased	0.5972	0.5992	0.002
488	10	Unbiased	0.5987	0.6002	0.0015
489	10	Unbiased	0.6033	0.6033	0
490	10	Unbiased	0.5967	0.5998	0.0031
491	10	Unbiased	0.6103	0.6103	0
492	3	Biased	0.6098	0.6098	0
493	3	Biased	0.5962	0.5962	0
494	3	Biased	0.6038	0.6033	-0.0005
495	3	Biased	0.5998	0.6008	0.001
496	3	Biased	0.6048	0.6053	0.0005
497	3	Unbiased	0.6043	0.6043	0
498	3	Unbiased	0.6013	0.6008	-0.0005
499	3	Unbiased	0.6078	0.6073	-0.0005
500	3	Unbiased	0.6158	0.6163	0.0005
502	3	Unbiased	0.6138	0.6143	0.0005

Test Statistics (V)

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	0.6023	0.6038	0.6063	0.0021794	0.6023	0.60397	0.6068	0.0024664	0	0.00016667	0.0005	0.00028868
3	0.5962	0.60574	0.6158	0.006143	0.5962	0.60584	0.6163	0.0062507	-0.0005	0.0001	0.001	0.0005164
10	0.5967	0.60277	0.6103	0.0046741	0.5992	0.60368	0.6103	0.004089	0	0.00091	0.0031	0.0011464
30	0.5972	0.60467	0.6133	0.0056309	0.5967	0.60498	0.6118	0.0054293	-0.0015	0.00031	0.0031	0.0012315
50	0.5992	0.60584	0.6138	0.004831	0.5992	0.60584	0.6133	0.0049558	-0.002	0	0.0015	0.0010274
100	0.5957	0.60324	0.6078	0.0032184	0.5972	0.60268	0.6068	0.0031033	-0.0036	-0.00056	0.0025	0.0020635

Device Test: 16.6 FAULT_VTH_FALLING(THRESHOLD|FALL/FAULT/5////@FAULT_VTH_FALLING)





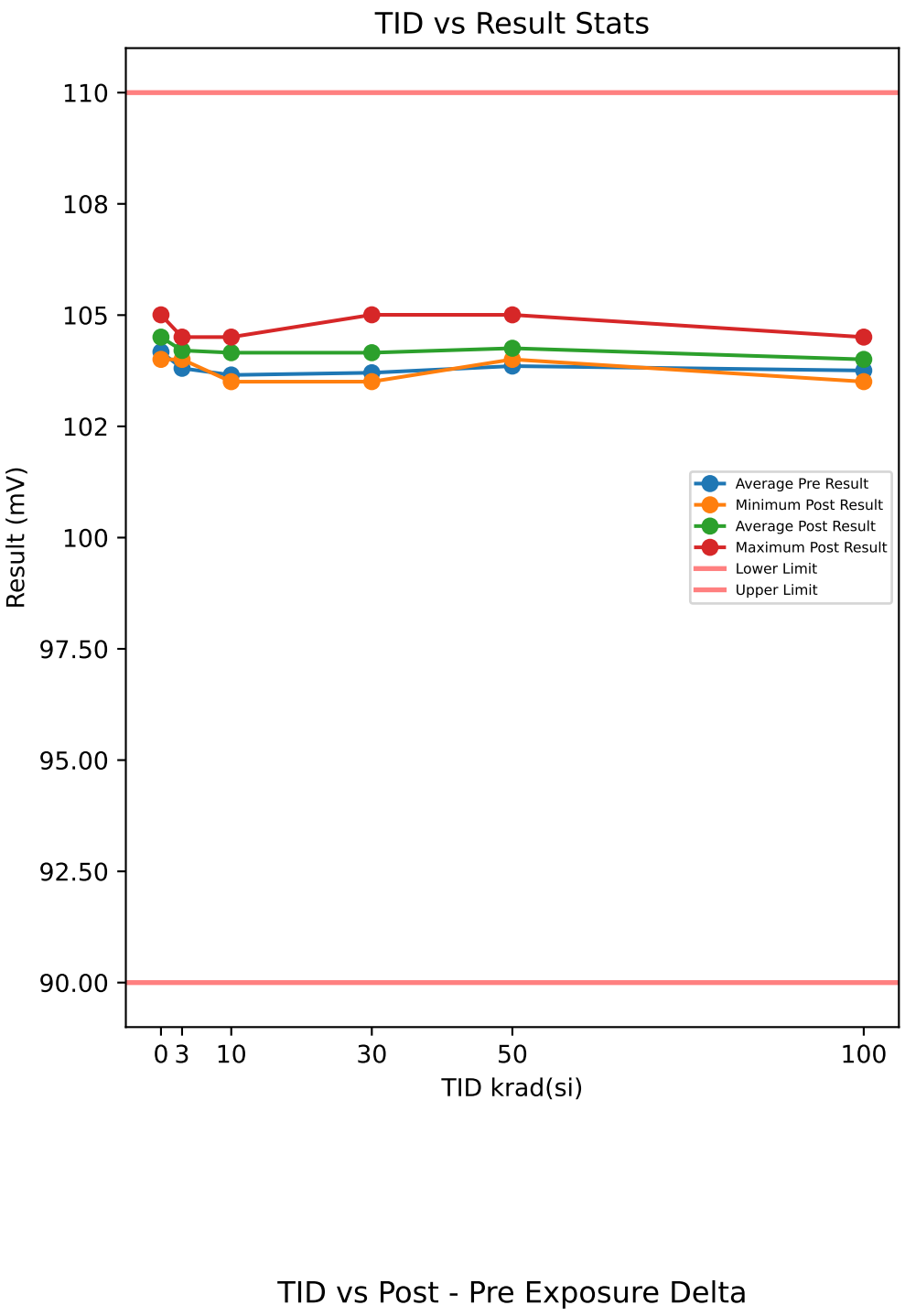
Test Results (Lower Limit = 0.455, Upper Limit = 0.535 (V))

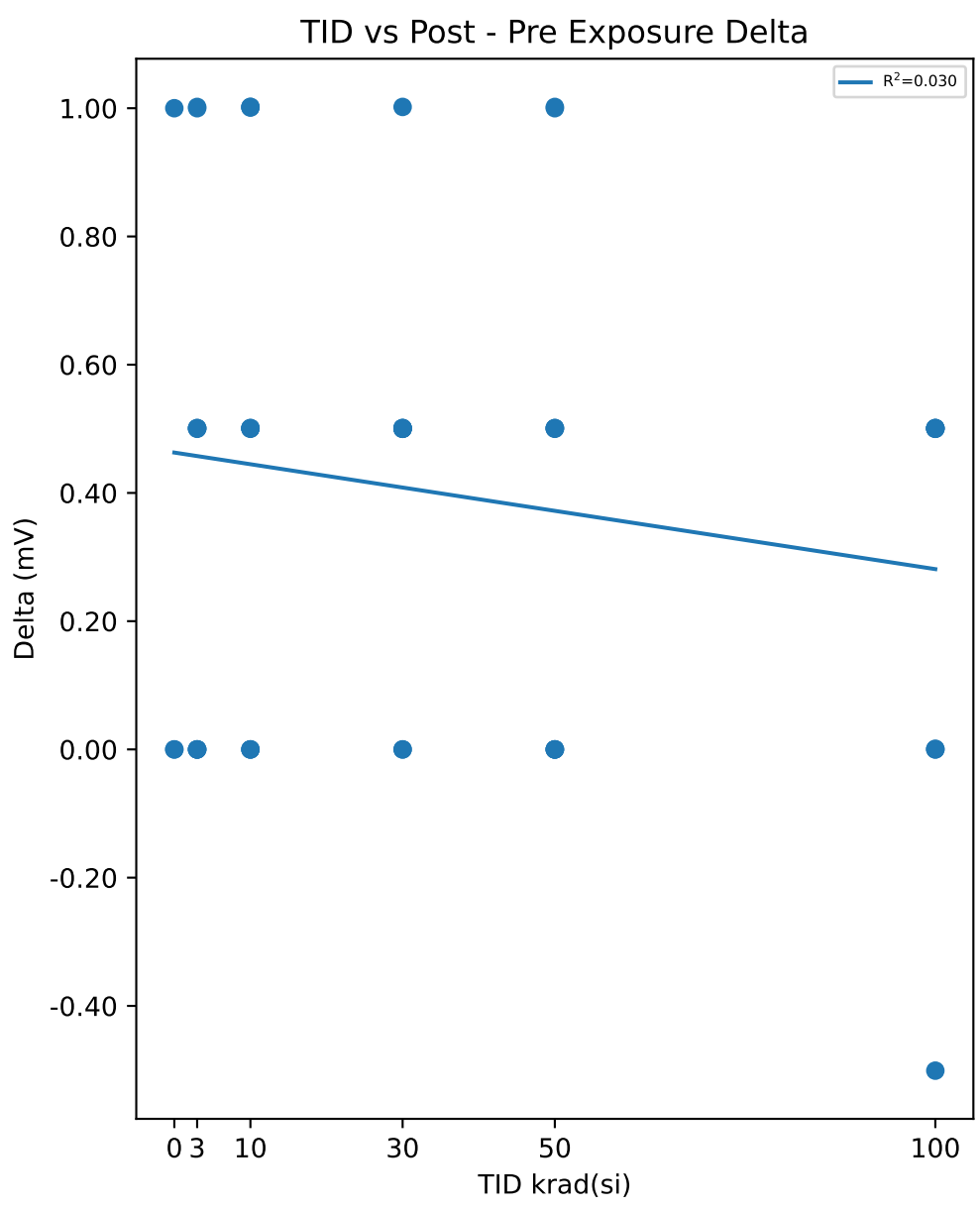
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
390	100	Biased	0.4982	0.4977	-0.0005
392	100	Biased	0.5008	0.5002	-0.0006
393	100	Biased	0.5023	0.5028	0.0005
394	100	Biased	0.4922	0.4932	0.001
395	100	Biased	0.5038	0.5028	-0.001
412	100	Unbiased	0.5002	0.4972	-0.003
413	100	Unbiased	0.4992	0.4992	0
414	100	Unbiased	0.4987	0.4952	-0.0035
415	100	Unbiased	0.4987	0.5008	0.0021
416	100	Unbiased	0.5002	0.4972	-0.003
417	50	Biased	0.4977	0.4972	-0.0005
418	50	Biased	0.5103	0.5093	-0.001
419	50	Biased	0.5002	0.4998	-0.0004
421	50	Biased	0.5048	0.5053	0.0005
422	50	Biased	0.4982	0.4998	0.0016
423	50	Unbiased	0.5088	0.5088	0
424	50	Unbiased	0.5013	0.4987	-0.0026
425	50	Unbiased	0.4987	0.4982	-0.0005
426	50	Unbiased	0.4957	0.4952	-0.0005
427	50	Unbiased	0.5038	0.5033	-0.0005
463	0	Corr	0.5028	0.5023	-0.0005
464	0	Corr	0.4987	0.4987	0
465	0	Corr	0.4972	0.4972	0
466	30	Biased	0.4998	0.4992	-0.0006
469	30	Biased	0.4957	0.4982	0.0025
470	30	Biased	0.4942	0.4927	-0.0015
472	30	Biased	0.5033	0.5038	0.0005
474	30	Biased	0.4982	0.4982	0
475	30	Unbiased	0.5073	0.5068	-0.0005
477	30	Unbiased	0.5033	0.5033	0
478	30	Unbiased	0.5043	0.5043	0
479	30	Unbiased	0.5098	0.5078	-0.002
480	30	Unbiased	0.4937	0.4937	0
481	10	Biased	0.5013	0.5002	-0.0011
482	10	Biased	0.5048	0.5043	-0.0005
483	10	Biased	0.5033	0.5043	0.001
484	10	Biased	0.4967	0.4972	0.0005
485	10	Biased	0.4972	0.4967	-0.0005
487	10	Unbiased	0.4937	0.4952	0.0015
488	10	Unbiased	0.4952	0.4957	0.0005
489	10	Unbiased	0.4998	0.4998	0
490	10	Unbiased	0.4932	0.4957	0.0025
491	10	Unbiased	0.5058	0.5058	0
492	3	Biased	0.5063	0.5058	-0.0005
493	3	Biased	0.4922	0.4922	0
494	3	Biased	0.4992	0.4987	-0.0005
495	3	Biased	0.4957	0.4967	0.001
496	3	Biased	0.5013	0.5008	-0.0005
497	3	Unbiased	0.5008	0.5002	-0.0006
498	3	Unbiased	0.4977	0.4967	-0.001
499	3	Unbiased	0.5033	0.5028	-0.0005
500	3	Unbiased	0.5123	0.5118	-0.0005
502	3	Unbiased	0.5103	0.5103	0

Test Statistics (V)

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	0.4972	0.49957	0.5028	0.0028989	0.4972	0.4994	0.5023	0.0026211	-0.0005	-0.00016667	0	0.00028868
3	0.4922	0.50191	0.5123	0.0063164	0.4922	0.5016	0.5118	0.0062022	-0.001	-0.00031	0.001	0.00054252
10	0.4932	0.4991	0.5058	0.0045814	0.4952	0.49949	0.5058	0.0040394	-0.0011	0.00039	0.0025	0.001064
30	0.4937	0.50096	0.5098	0.0055326	0.4927	0.5008	0.5078	0.0052132	-0.002	-0.00016	0.0025	0.0012066
50	0.4957	0.50195	0.5103	0.0048697	0.4952	0.50156	0.5093	0.0048815	-0.0026	-0.00039	0.0016	0.0010651
100	0.4922	0.49943	0.5038	0.0030786	0.4932	0.49863	0.5028	0.0031355	-0.0035	-0.0008	0.0021	0.0018595

Device Test: 16.7 FAULT_VTH_HYST(THRESHOLD|HYST/FAULT/5////@FAULT_VTH_HYST)





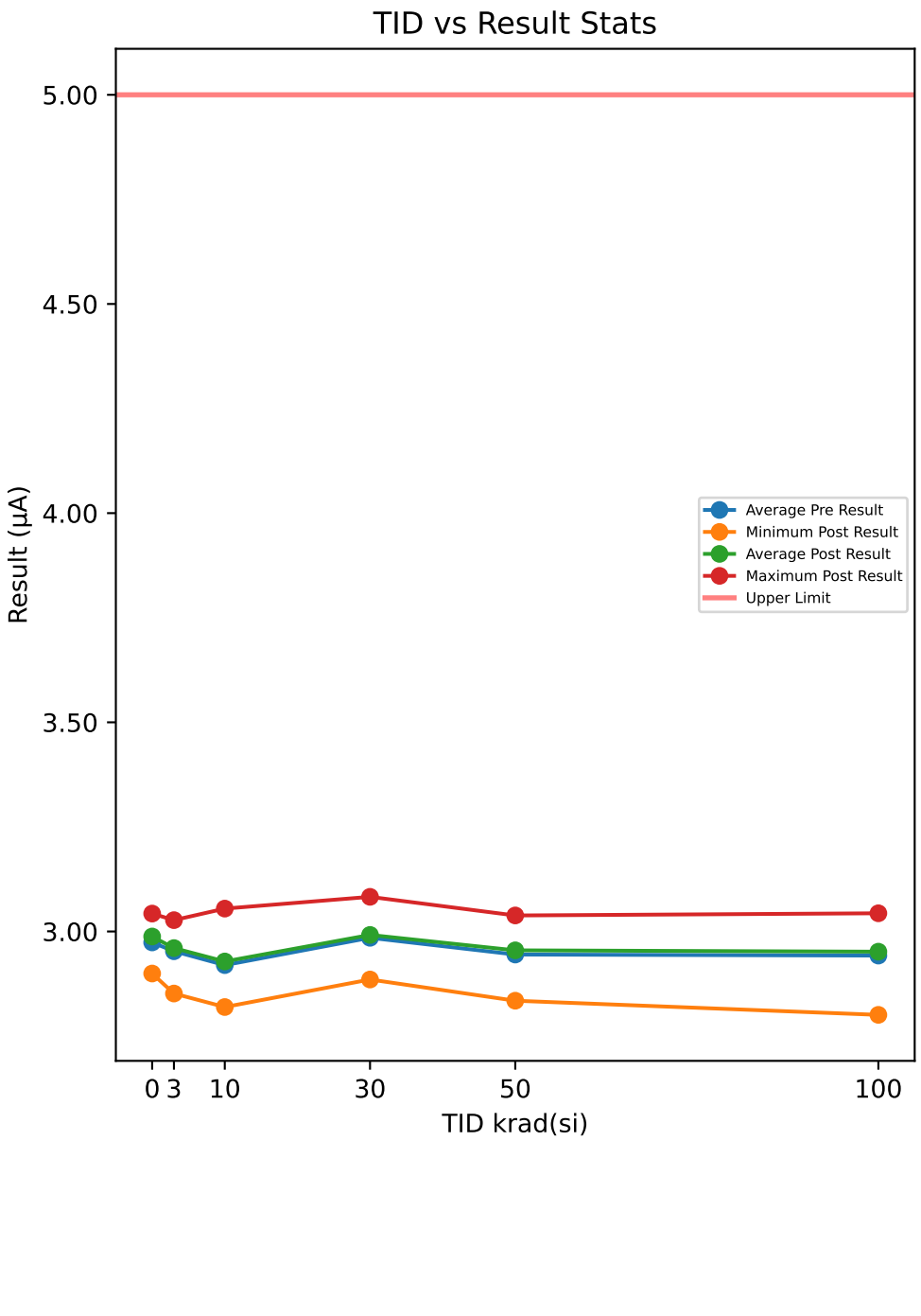
Test Results (Lower Limit = 90.0, Upper Limit = 110.0 (mV))

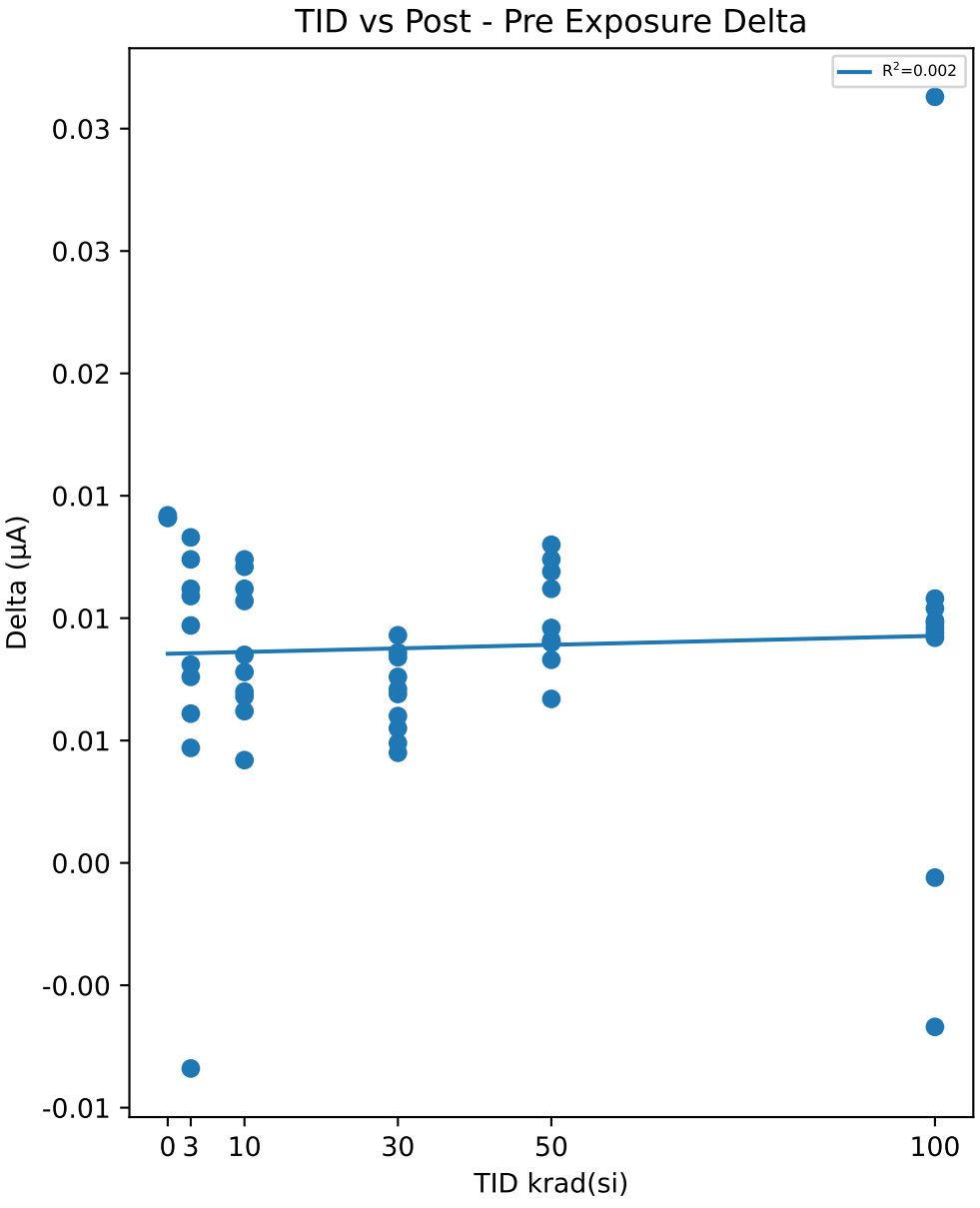
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
390	100	Biased	103	103.5	0.501
392	100	Biased	103.5	104	0.501
393	100	Biased	103.5	103.5	0.001
394	100	Biased	103.5	104	0.5
395	100	Biased	104	104	0
412	100	Unbiased	104	104.5	0.5
413	100	Unbiased	103.5	104	0.501
414	100	Unbiased	104	104	0
415	100	Unbiased	104	104.51	0.501
416	100	Unbiased	104.51	104	-0.501
417	50	Biased	103.5	104.5	1
418	50	Biased	103.5	104	0.501
419	50	Biased	104	104	0
421	50	Biased	104.51	105.01	0.5
422	50	Biased	104	104	0
423	50	Unbiased	103.5	104.51	1.002
424	50	Unbiased	104	104.51	0.501
425	50	Unbiased	104	104	0
426	50	Unbiased	103.5	104	0.501
427	50	Unbiased	104	104	0
463	0	Corr	103.5	104.5	1
464	0	Corr	104	104	0
465	0	Corr	105.01	105.01	0
466	30	Biased	104	104.51	0.501
469	30	Biased	103.5	104	0.501
470	30	Biased	103.5	104	0.501
472	30	Biased	104	104.5	0.5
474	30	Biased	103.5	104	0.501
475	30	Unbiased	104	105.01	1.002
477	30	Unbiased	104	104	0
478	30	Unbiased	103.5	104	0.5
479	30	Unbiased	103.5	104	0.5
480	30	Unbiased	103.5	103.5	0
481	10	Biased	103	104	1.002
482	10	Biased	103.5	104	0.501
483	10	Biased	103.5	104.51	1.002
484	10	Biased	104	104	0
485	10	Biased	104	104.51	0.501
487	10	Unbiased	103.5	104	0.5
488	10	Unbiased	103.5	104.5	1.001
489	10	Unbiased	103.5	103.5	0
490	10	Unbiased	103.5	104	0.501
491	10	Unbiased	104.51	104.51	0
492	3	Biased	103.5	104	0.501
493	3	Biased	104	104	0
494	3	Biased	104.51	104.51	0
495	3	Biased	104	104	0
496	3	Biased	103.5	104.51	1.002
497	3	Unbiased	103.5	104	0.501
498	3	Unbiased	103.5	104	0.5
499	3	Unbiased	104.51	104.51	0
500	3	Unbiased	103.5	104.5	1
502	3	Unbiased	103.5	104	0.501

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	103.5	104.17	105.01	0.76431	104	104.51	105.01	0.5005	0	0.33333	1	0.57735
3	103.5	103.8	104.51	0.42232	104	104.21	104.51	0.25859	0	0.4005	1.002	0.39483
10	103	103.65	104.51	0.41242	103.5	104.16	104.51	0.33803	0	0.5008	1.002	0.40893
30	103.5	103.7	104	0.25846	103.5	104.16	105.01	0.41219	0	0.4506	1.002	0.28433
50	103.5	103.85	104.51	0.33803	104	104.26	105.01	0.35395	0	0.4005	1.002	0.39483
100	103	103.75	104.51	0.42551	103.5	104.01	104.51	0.3335	-0.501	0.2504	0.501	0.35403

Device Test: 16.8 FAULT_LKG_CURR(LEAK|POWERED/FAULT/5////@FAULT_LKG_CURR)





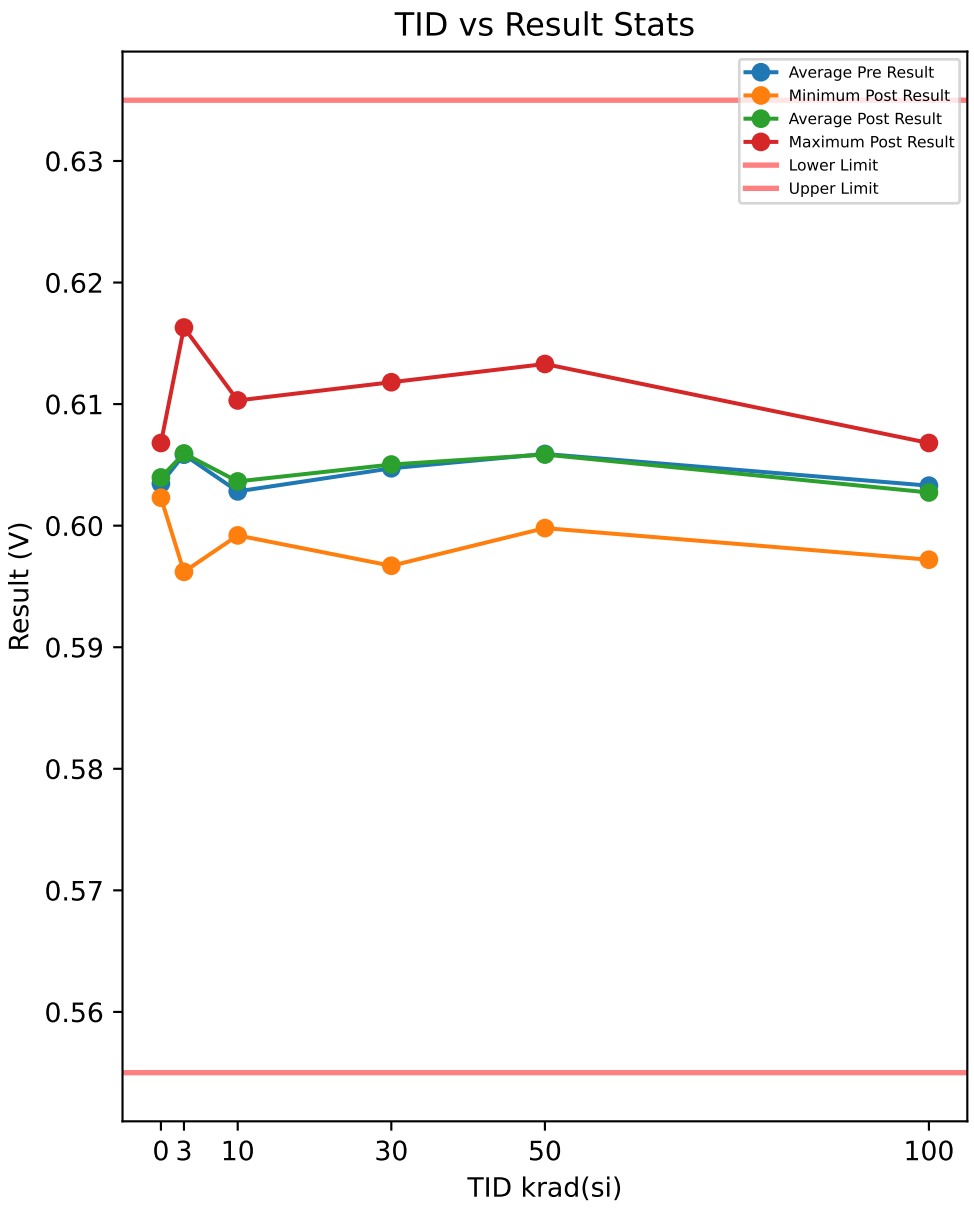
Test Results (Upper Limit = 5.0 (µA))

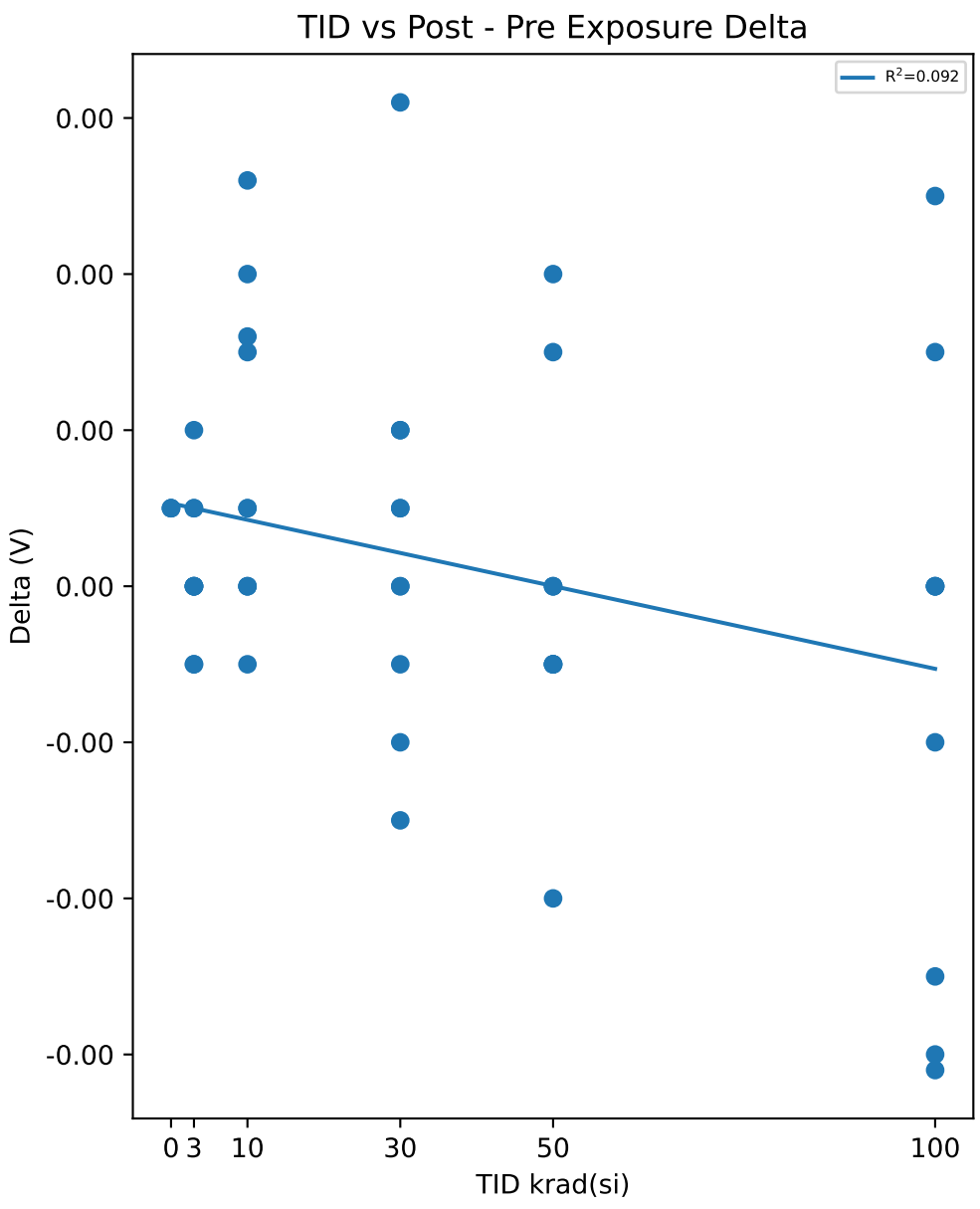
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
390	100	Biased	3.0121	3.0213	0.0092
392	100	Biased	3.0145	3.0244	0.0099
393	100	Biased	2.9243	2.9341	0.0098
394	100	Biased	3.0318	3.0422	0.0104
395	100	Biased	2.919	2.9298	0.0108
412	100	Unbiased	2.9267	2.9363	0.0096
413	100	Unbiased	2.7913	2.8007	0.0094
414	100	Unbiased	3.0122	3.0435	0.0313
415	100	Unbiased	2.9514	2.9508	-0.0006
416	100	Unbiased	2.8407	2.834	-0.0067
417	50	Biased	3.024	3.033	0.009
418	50	Biased	2.9752	2.9819	0.0067
419	50	Biased	2.9578	2.9661	0.0083
421	50	Biased	2.8254	2.8345	0.0091
422	50	Biased	3.0287	3.0383	0.0096
423	50	Unbiased	2.9236	2.9326	0.009
424	50	Unbiased	2.8259	2.8371	0.0112
425	50	Unbiased	3.019	3.0309	0.0119
426	50	Unbiased	3.0105	3.0229	0.0124
427	50	Unbiased	2.8589	2.8719	0.013
463	0	Corr	2.8854	2.8995	0.0141
464	0	Corr	3.0286	3.0428	0.0142
465	0	Corr	3.0075	3.0216	0.0141
466	30	Biased	2.9883	2.9932	0.0049
469	30	Biased	2.9847	2.9892	0.0045
470	30	Biased	2.9556	2.9611	0.0055
472	30	Biased	3.0243	3.0314	0.0071
474	30	Biased	3.0026	3.0112	0.0086
475	30	Unbiased	2.9537	2.9597	0.006
477	30	Unbiased	2.9805	2.9874	0.0069
478	30	Unbiased	3.0744	3.0828	0.0084
479	30	Unbiased	2.8776	2.8852	0.0076
480	30	Unbiased	3.0071	3.0164	0.0093
481	10	Biased	2.9753	2.9795	0.0042
482	10	Biased	2.9181	2.9243	0.0062
483	10	Biased	2.8401	2.8486	0.0085
484	10	Biased	2.9074	2.9152	0.0078
485	10	Biased	2.8674	2.8742	0.0068
487	10	Unbiased	3.0477	3.0547	0.007
488	10	Unbiased	2.9467	2.9591	0.0124
489	10	Unbiased	2.9263	2.937	0.0107
490	10	Unbiased	2.9589	2.971	0.0121
491	10	Unbiased	2.8082	2.8194	0.0112
492	3	Biased	2.9502	2.9578	0.0076
493	3	Biased	2.9352	2.9461	0.0109
494	3	Biased	2.8698	2.881	0.0112
495	3	Biased	3.0138	3.0271	0.0133
496	3	Biased	3.0133	3.0257	0.0124
497	3	Unbiased	2.9285	2.9332	0.0047
498	3	Unbiased	2.9845	2.9906	0.0061
499	3	Unbiased	3.0142	3.0223	0.0081
500	3	Unbiased	2.9577	2.9674	0.0097
502	3	Unbiased	2.8601	2.8517	-0.0084

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	2.8854	2.9738	3.0286	0.077309	2.8995	2.988	3.0428	0.077344	0.0141	0.014133	0.0142	5.7735e-05
3	2.8601	2.9527	3.0142	0.056342	2.8517	2.9603	3.0271	0.060163	-0.0084	0.00756	0.0133	0.0062422
10	2.8082	2.9196	3.0477	0.069476	2.8194	2.9283	3.0547	0.068938	0.0042	0.00869	0.0124	0.0027759
30	2.8776	2.9849	3.0744	0.051365	2.8852	2.9918	3.0828	0.051849	0.0045	0.00688	0.0093	0.0016315
50	2.8254	2.9449	3.0287	0.081954	2.8345	2.9549	3.0383	0.081697	0.0067	0.01002	0.013	0.0020154
100	2.7913	2.9424	3.0318	0.07979	2.8007	2.9517	3.0435	0.084609	-0.0067	0.00931	0.0313	0.0096735

Device Test: 16.9 FAULT_VTH_RISING(THRESHOLD|RISE/FAULT/12////@FAULT_VTH_RISING)





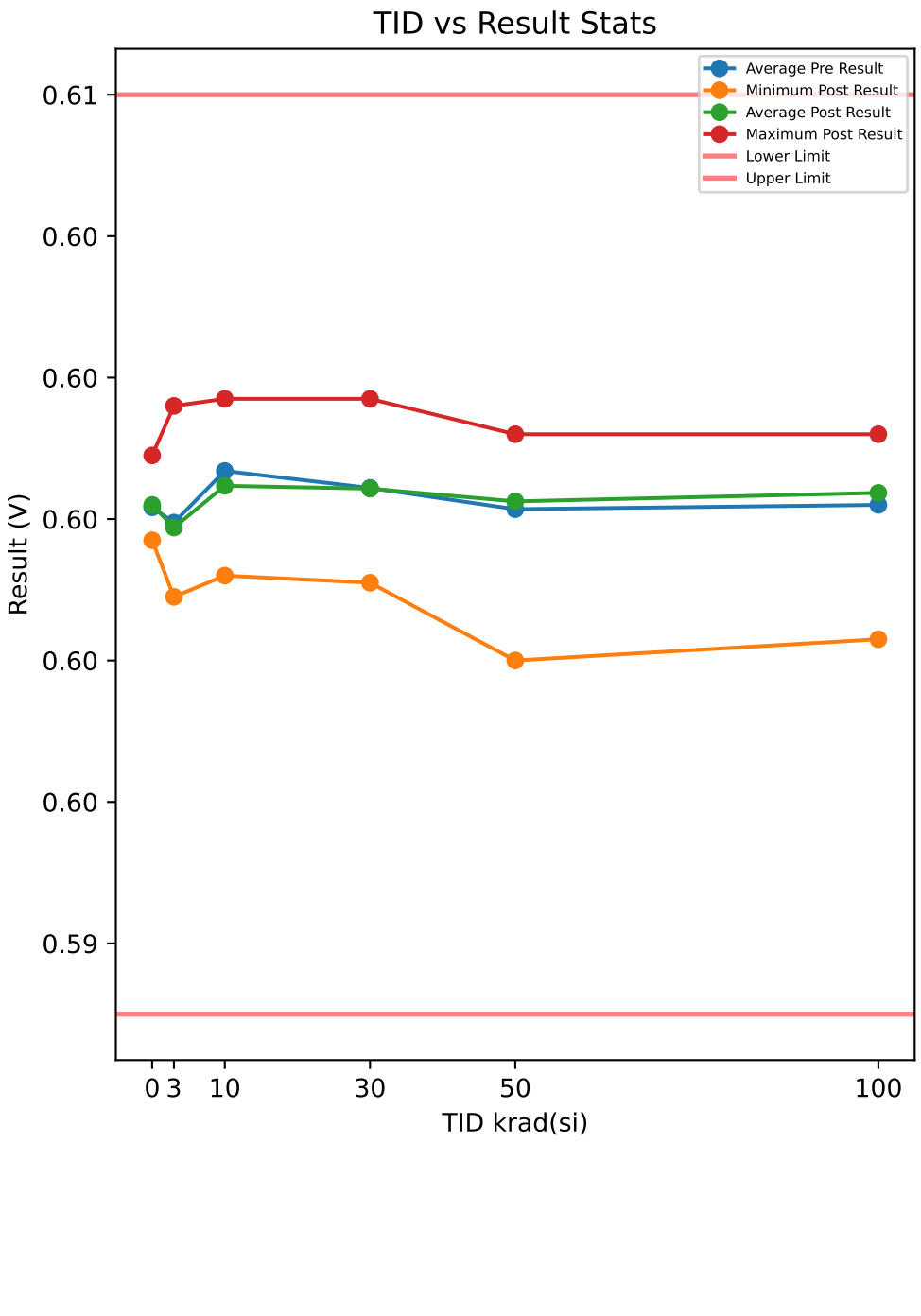
Test Results (Lower Limit = 0.555, Upper Limit = 0.635 (V))

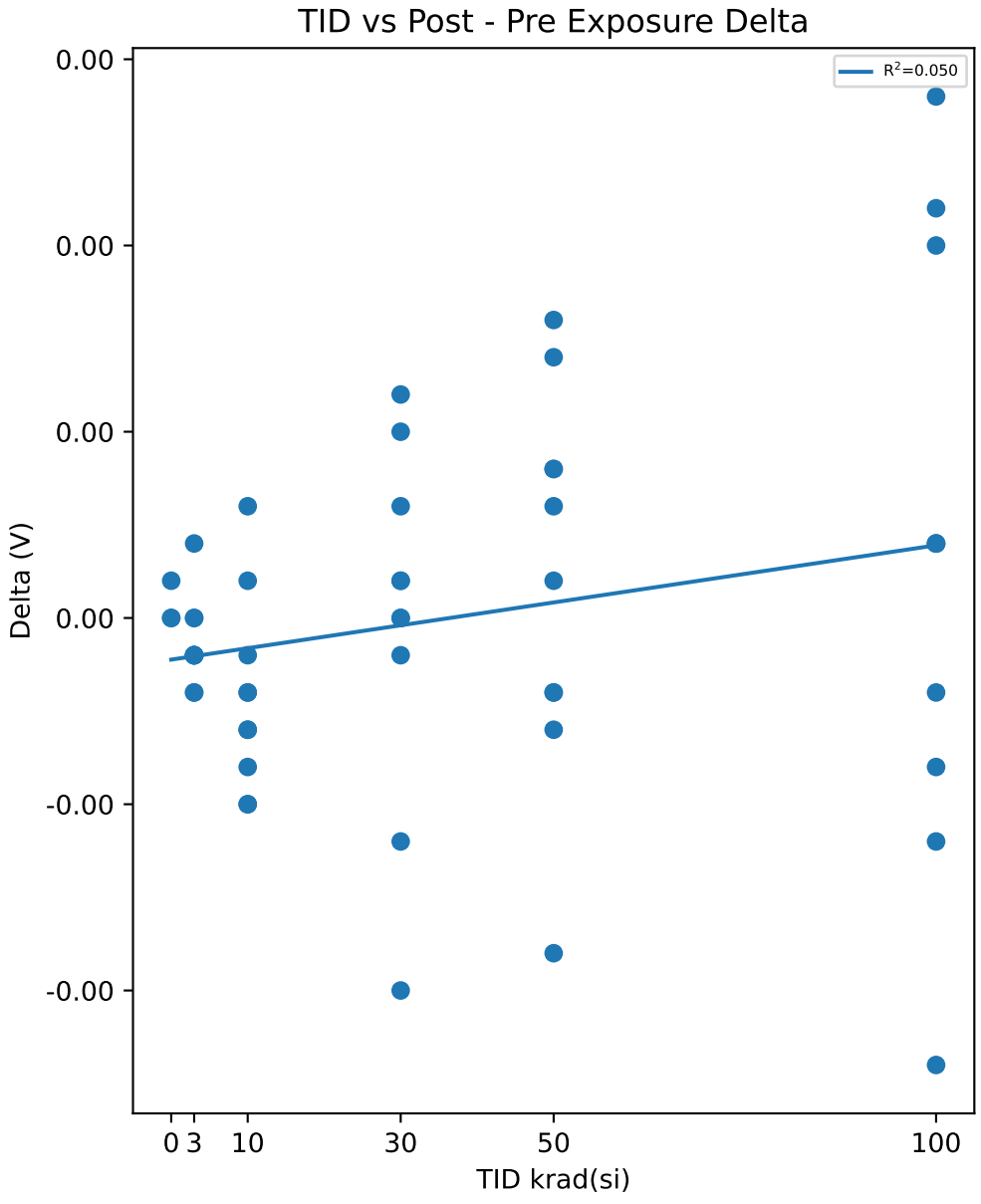
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
390	100	Biased	0.6013	0.6013	0
392	100	Biased	0.6043	0.6043	0
393	100	Biased	0.6063	0.6063	0
394	100	Biased	0.5957	0.5972	0.0015
395	100	Biased	0.6078	0.6068	-0.001
412	100	Unbiased	0.6043	0.6018	-0.0025
413	100	Unbiased	0.6033	0.6033	0
414	100	Unbiased	0.6023	0.5992	-0.0031
415	100	Unbiased	0.6028	0.6053	0.0025
416	100	Unbiased	0.6048	0.6018	-0.003
417	50	Biased	0.6018	0.6018	0
418	50	Biased	0.6138	0.6133	-0.0005
419	50	Biased	0.6043	0.6038	-0.0005
421	50	Biased	0.6088	0.6103	0.0015
422	50	Biased	0.6018	0.6038	0.002
423	50	Unbiased	0.6128	0.6128	0
424	50	Unbiased	0.6053	0.6033	-0.002
425	50	Unbiased	0.6028	0.6023	-0.0005
426	50	Unbiased	0.5998	0.5998	0
427	50	Unbiased	0.6078	0.6073	-0.0005
463	0	Corr	0.6063	0.6068	0.0005
464	0	Corr	0.6023	0.6028	0.0005
465	0	Corr	0.6018	0.6023	0.0005
466	30	Biased	0.6038	0.6038	0
469	30	Biased	0.5992	0.6023	0.0031
470	30	Biased	0.5977	0.5967	-0.001
472	30	Biased	0.6073	0.6083	0.001
474	30	Biased	0.6018	0.6028	0.001
475	30	Unbiased	0.6118	0.6113	-0.0005
477	30	Unbiased	0.6073	0.6078	0.0005
478	30	Unbiased	0.6078	0.6083	0.0005
479	30	Unbiased	0.6133	0.6118	-0.0015
480	30	Unbiased	0.5972	0.5972	0
481	10	Biased	0.6043	0.6038	-0.0005
482	10	Biased	0.6083	0.6083	0
483	10	Biased	0.6073	0.6088	0.0015
484	10	Biased	0.6008	0.6013	0.0005
485	10	Biased	0.6013	0.6013	0
487	10	Unbiased	0.5972	0.5992	0.002
488	10	Unbiased	0.5982	0.5998	0.0016
489	10	Unbiased	0.6033	0.6038	0.0005
490	10	Unbiased	0.5972	0.5998	0.0026
491	10	Unbiased	0.6103	0.6103	0
492	3	Biased	0.6103	0.6103	0
493	3	Biased	0.5962	0.5962	0
494	3	Biased	0.6038	0.6038	0
495	3	Biased	0.5998	0.6008	0.001
496	3	Biased	0.6048	0.6053	0.0005
497	3	Unbiased	0.6043	0.6043	0
498	3	Unbiased	0.6013	0.6008	-0.0005
499	3	Unbiased	0.6078	0.6073	-0.0005
500	3	Unbiased	0.6163	0.6163	0
502	3	Unbiased	0.6138	0.6143	0.0005

Test Statistics (V)

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	0.6018	0.60347	0.6063	0.0024664	0.6023	0.60397	0.6068	0.0024664	0.0005	0.0005	0.0005	6.4114e-17
3	0.5962	0.60584	0.6163	0.0062729	0.5962	0.60594	0.6163	0.0062669	-0.0005	0.0001	0.001	0.00045947
10	0.5972	0.60282	0.6103	0.0047067	0.5992	0.60364	0.6103	0.0041218	-0.0005	0.00082	0.0026	0.0010326
30	0.5972	0.60472	0.6133	0.0056981	0.5967	0.60503	0.6118	0.0053628	-0.0015	0.00031	0.0031	0.0012758
50	0.5998	0.6059	0.6138	0.0047773	0.5998	0.60585	0.6133	0.0047868	-0.002	-5e-05	0.002	0.0011168
100	0.5957	0.60329	0.6078	0.0032746	0.5972	0.60273	0.6068	0.0030826	-0.0031	-0.00056	0.0025	0.0018626

Device Test: 17.1 VREF_PLUS_OFFSET(LEVEL|STATIC/VSNSP/4.5////@VREF_PLUS_OFFSET)





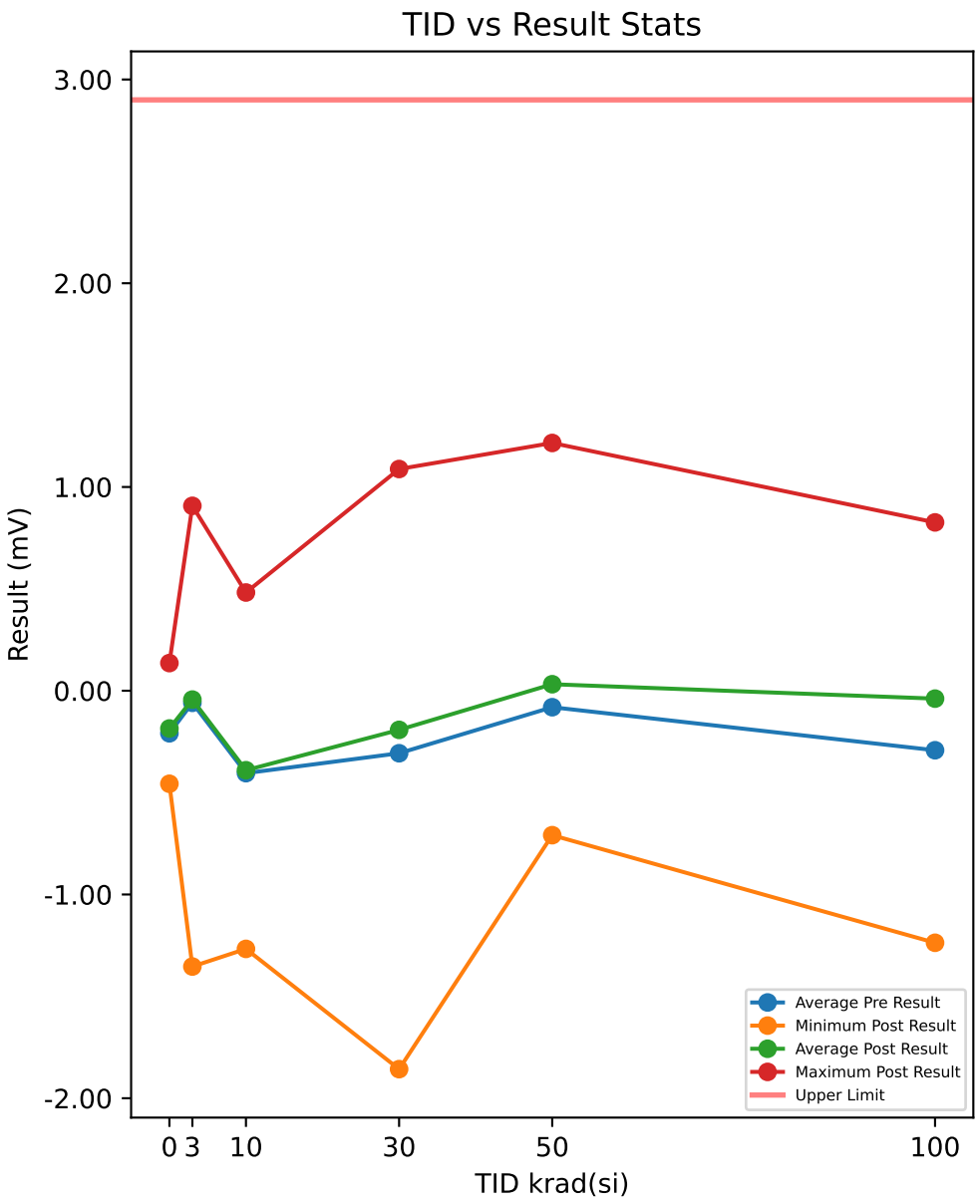
Test Results (Lower Limit = 0.593, Upper Limit = 0.606 (V))

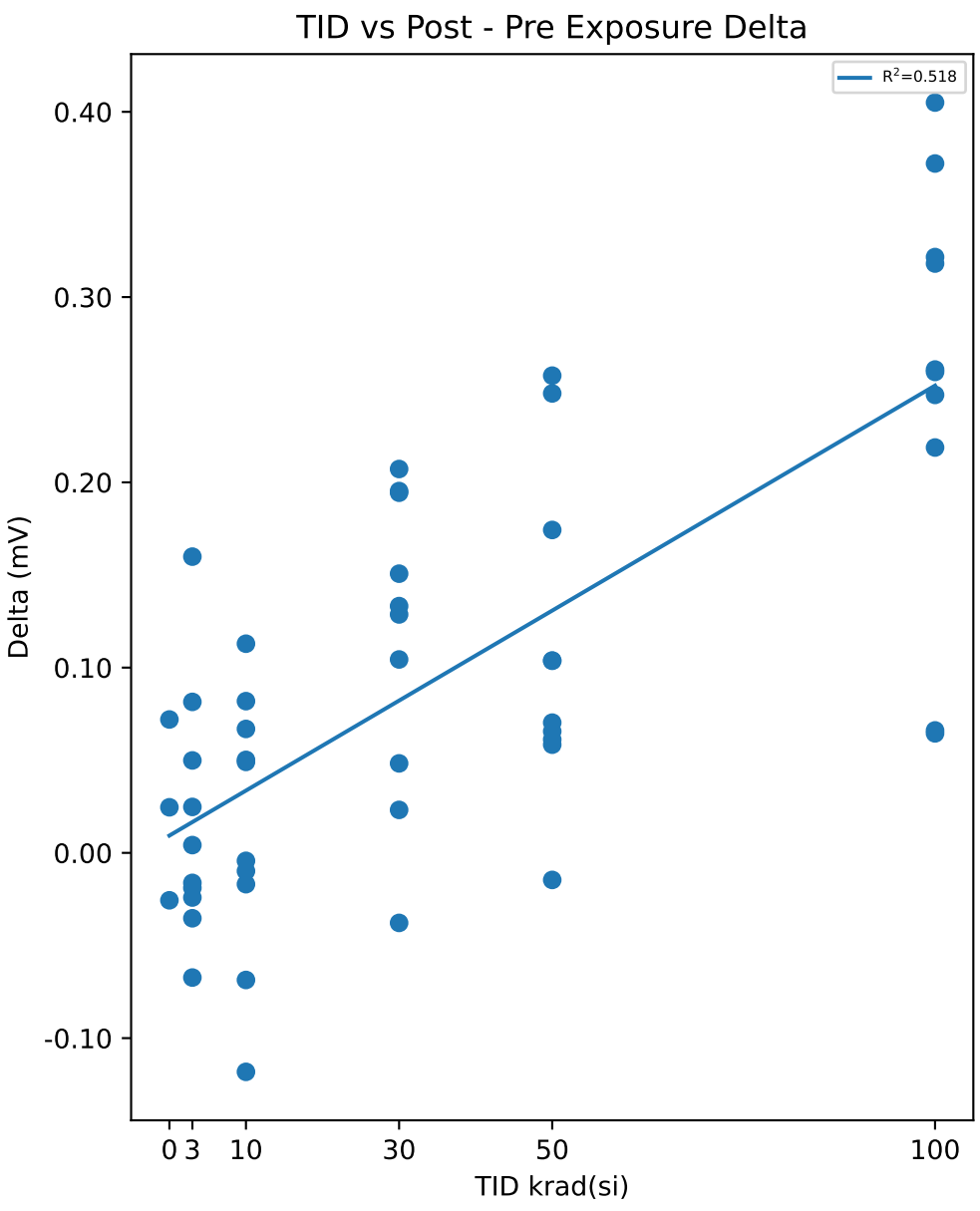
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
390	100	Biased	0.6	0.6002	0.0002
392	100	Biased	0.5995	0.6005	0.001
393	100	Biased	0.5997	0.5993	-0.0004
394	100	Biased	0.6	0.6011	0.0011
395	100	Biased	0.601	0.6004	-0.0006
412	100	Unbiased	0.6014	0.6012	-0.0002
413	100	Unbiased	0.5995	0.5983	-0.0012
414	100	Unbiased	0.601	0.6012	0.0002
415	100	Unbiased	0.6004	0.6006	0.0002
416	100	Unbiased	0.5995	0.6009	0.0014
417	50	Biased	0.6008	0.6009	0.0001
418	50	Biased	0.6	0.6004	0.0004
419	50	Biased	0.6007	0.6005	-0.0002
421	50	Biased	0.6013	0.6004	-0.0009
422	50	Biased	0.6004	0.6012	0.0008
423	50	Unbiased	0.5998	0.5995	-0.0003
424	50	Unbiased	0.5998	0.6005	0.0007
425	50	Unbiased	0.5997	0.6001	0.0004
426	50	Unbiased	0.6007	0.601	0.0003
427	50	Unbiased	0.5982	0.598	-0.0002
463	0	Corr	0.5996	0.5997	0.0001
464	0	Corr	0.6009	0.6009	0
465	0	Corr	0.6	0.6	0
466	30	Biased	0.6005	0.6006	0.0001
469	30	Biased	0.6011	0.6017	0.0006
470	30	Biased	0.6011	0.6016	0.0005
472	30	Biased	0.6	0.5999	-0.0001
474	30	Biased	0.6003	0.6003	0
475	30	Unbiased	0.6003	0.6006	0.0003
477	30	Unbiased	0.5992	0.5992	0
478	30	Unbiased	0.6021	0.6015	-0.0006
479	30	Unbiased	0.6001	0.5991	-0.001
480	30	Unbiased	0.5997	0.5998	0.0001
481	10	Biased	0.6004	0.6005	0.0001
482	10	Biased	0.6011	0.601	-0.0001
483	10	Biased	0.6006	0.6002	-0.0004
484	10	Biased	0.5997	0.6	0.0003
485	10	Biased	0.5995	0.5992	-0.0003
487	10	Unbiased	0.6002	0.6	-0.0002
488	10	Unbiased	0.6007	0.6005	-0.0002
489	10	Unbiased	0.6011	0.6006	-0.0005
490	10	Unbiased	0.6015	0.601	-0.0005
491	10	Unbiased	0.602	0.6017	-0.0003
492	3	Biased	0.5991	0.5989	-0.0002
493	3	Biased	0.6008	0.6007	-0.0001
494	3	Biased	0.5993	0.5993	0
495	3	Biased	0.6014	0.6016	0.0002
496	3	Biased	0.5995	0.5993	-0.0002
497	3	Unbiased	0.5998	0.5997	-0.0001
498	3	Unbiased	0.5998	0.5998	0
499	3	Unbiased	0.6003	0.6002	-0.0001
500	3	Unbiased	0.5997	0.5996	-0.0001
502	3	Unbiased	0.5998	0.5997	-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	0.5996	0.60017	0.6009	0.00066583	0.5997	0.6002	0.6009	0.0006245	0	3.3333e-05	0.0001	5.7735e-05
3	0.5991	0.59995	0.6014	0.00070119	0.5989	0.59988	0.6016	0.00078287	-0.0002	-7e-05	0.0002	0.00011595
10	0.5995	0.60068	0.602	0.00077717	0.5992	0.60047	0.6017	0.00068484	-0.0005	-0.00021	0.0003	0.00025582
30	0.5992	0.60044	0.6021	0.00082084	0.5991	0.60043	0.6017	0.00095225	-0.001	-1e-05	0.0006	0.00048178
50	0.5982	0.60014	0.6013	0.00086178	0.598	0.60025	0.6012	0.00092526	-0.0009	0.00011	0.0008	0.00051737
100	0.5995	0.6002	0.6014	0.00071181	0.5983	0.60037	0.6012	0.00092622	-0.0012	0.00017	0.0014	0.00081656

Device Test: 17.10 EA_INPUT_OFFSET_V(LEVEL|STATIC/VSNSP/5////@EA_INPUT_OFFSET_V)





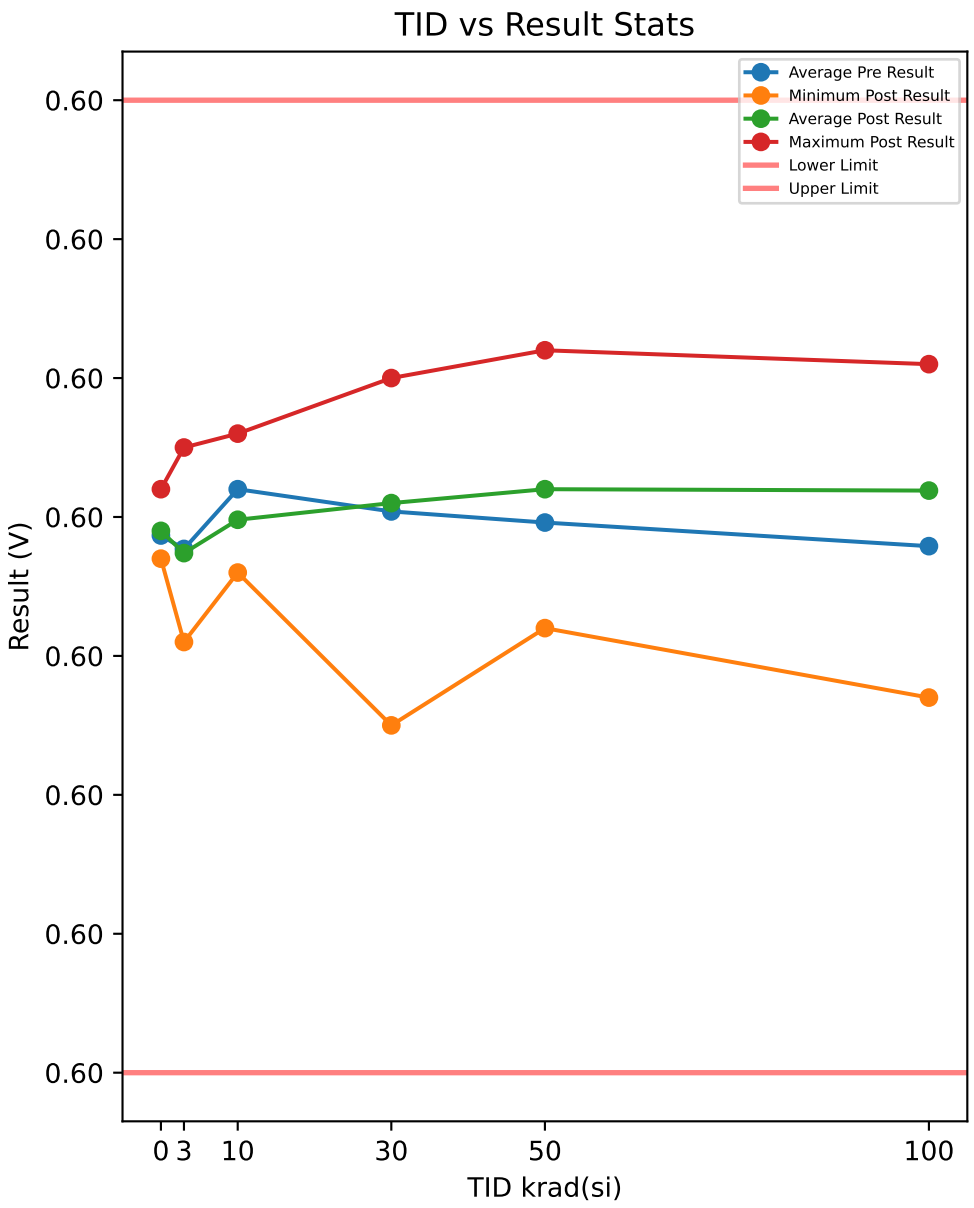
Test Results (Upper Limit = 2.9 (mV))

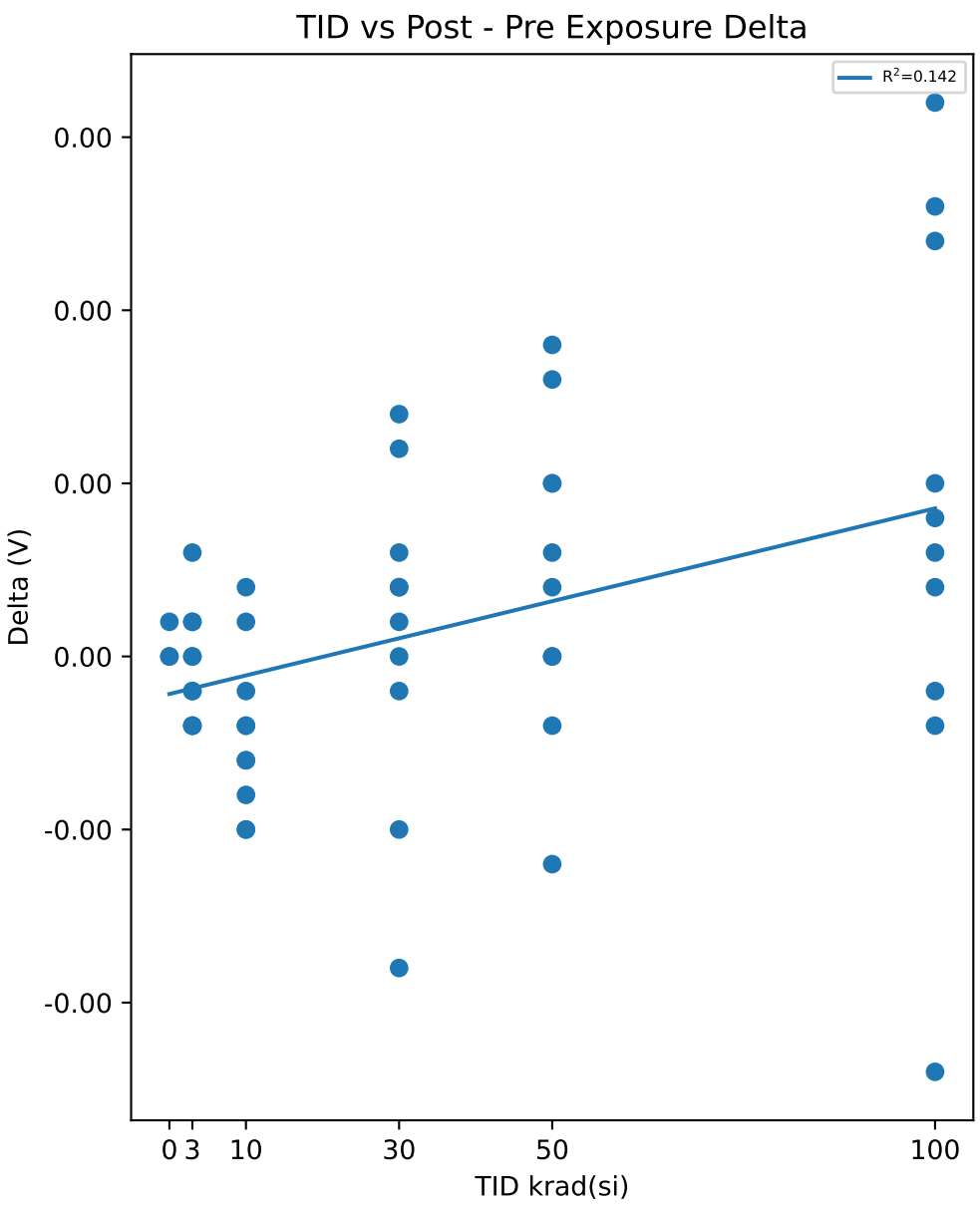
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
390	100	Biased	0.579	0.8262	0.2472
392	100	Biased	0.5518	0.8114	0.2596
393	100	Biased	-0.242	0.0189	0.2609
394	100	Biased	-0.2182	0.1034	0.3216
395	100	Biased	-0.909	-0.504	0.405
412	100	Unbiased	-0.6999	-0.3818	0.3181
413	100	Unbiased	0.5365	0.6026	0.0661
414	100	Unbiased	-1.6091	-1.237	0.3721
415	100	Unbiased	-0.7699	-0.5511	0.2188
416	100	Unbiased	-0.1403	-0.0758	0.0645
417	50	Biased	-0.6299	-0.4556	0.1743
418	50	Biased	-0.6173	-0.6319	-0.0146
419	50	Biased	-0.6889	-0.6277	0.0612
421	50	Biased	-0.8127	-0.7089	0.1038
422	50	Biased	0.0506	0.1543	0.1037
423	50	Unbiased	0.5368	0.6071	0.0703
424	50	Unbiased	0.372	0.62	0.248
425	50	Unbiased	-0.0745	0.1831	0.2576
426	50	Unbiased	-0.1023	-0.0367	0.0656
427	50	Unbiased	1.1577	1.2161	0.0584
463	0	Corr	0.1614	0.1358	-0.0256
464	0	Corr	-0.4812	-0.4566	0.0246
465	0	Corr	-0.307	-0.235	0.072
466	30	Biased	0.1183	0.2227	0.1044
469	30	Biased	-0.7075	-0.5568	0.1507
470	30	Biased	-1.3823	-1.1751	0.2072
472	30	Biased	-0.0509	0.0823	0.1332
474	30	Biased	0.0403	0.2347	0.1944
475	30	Unbiased	-0.1488	-0.1866	-0.0378
477	30	Unbiased	0.8929	1.0882	0.1953
478	30	Unbiased	-1.9055	-1.8572	0.0483
479	30	Unbiased	-0.5358	-0.5126	0.0232
480	30	Unbiased	0.6112	0.7399	0.1287
481	10	Biased	-0.1303	-0.1401	-0.0098
482	10	Biased	-0.4871	-0.4202	0.0669
483	10	Biased	0.4002	0.4821	0.0819
484	10	Biased	-0.1265	-0.1308	-0.0043
485	10	Biased	0.4003	0.3834	-0.0169
487	10	Unbiased	0.0308	-0.0378	-0.0686
488	10	Unbiased	-0.7394	-0.6892	0.0502
489	10	Unbiased	-0.9622	-0.9131	0.0491
490	10	Unbiased	-1.0507	-1.1689	-0.1182
491	10	Unbiased	-1.3799	-1.267	0.1129
492	3	Biased	0.2778	0.2105	-0.0673
493	3	Biased	-0.2619	-0.102	0.1599
494	3	Biased	0.326	0.3759	0.0499
495	3	Biased	-1.3374	-1.3536	-0.0162
496	3	Biased	0.1949	0.176	-0.0189
497	3	Unbiased	-0.4409	-0.4367	0.0042
498	3	Unbiased	0.2648	0.3463	0.0815
499	3	Unbiased	-0.5129	-0.537	-0.0241
500	3	Unbiased	0.8827	0.9075	0.0248
502	3	Unbiased	0.0144	-0.0209	-0.0353

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	-0.4812	-0.20893	0.1614	0.33233	-0.4566	-0.18527	0.1358	0.29932	-0.0256	0.023667	0.072	0.048807
3	-1.3374	-0.05925	0.8827	0.61015	-1.3536	-0.0434	0.9075	0.62034	-0.0673	0.01585	0.1599	0.066497
10	-1.3799	-0.40448	0.4003	0.6179	-1.267	-0.39016	0.4821	0.61031	-0.1182	0.01432	0.1129	0.071404
30	-1.9055	-0.30681	0.8929	0.8563	-1.8572	-0.19205	1.0882	0.87635	-0.0378	0.11476	0.2072	0.081228
50	-0.8127	-0.08085	1.1577	0.63534	-0.7089	0.03198	1.2161	0.64839	-0.0146	0.11283	0.2576	0.08761
100	-1.6091	-0.29211	0.579	0.72251	-1.237	-0.03872	0.8262	0.66161	0.0645	0.25339	0.405	0.11451

Device Test: 17.11 VREF_25C(LEVEL|STATIC/SS_TR/5////@VREF_25C)





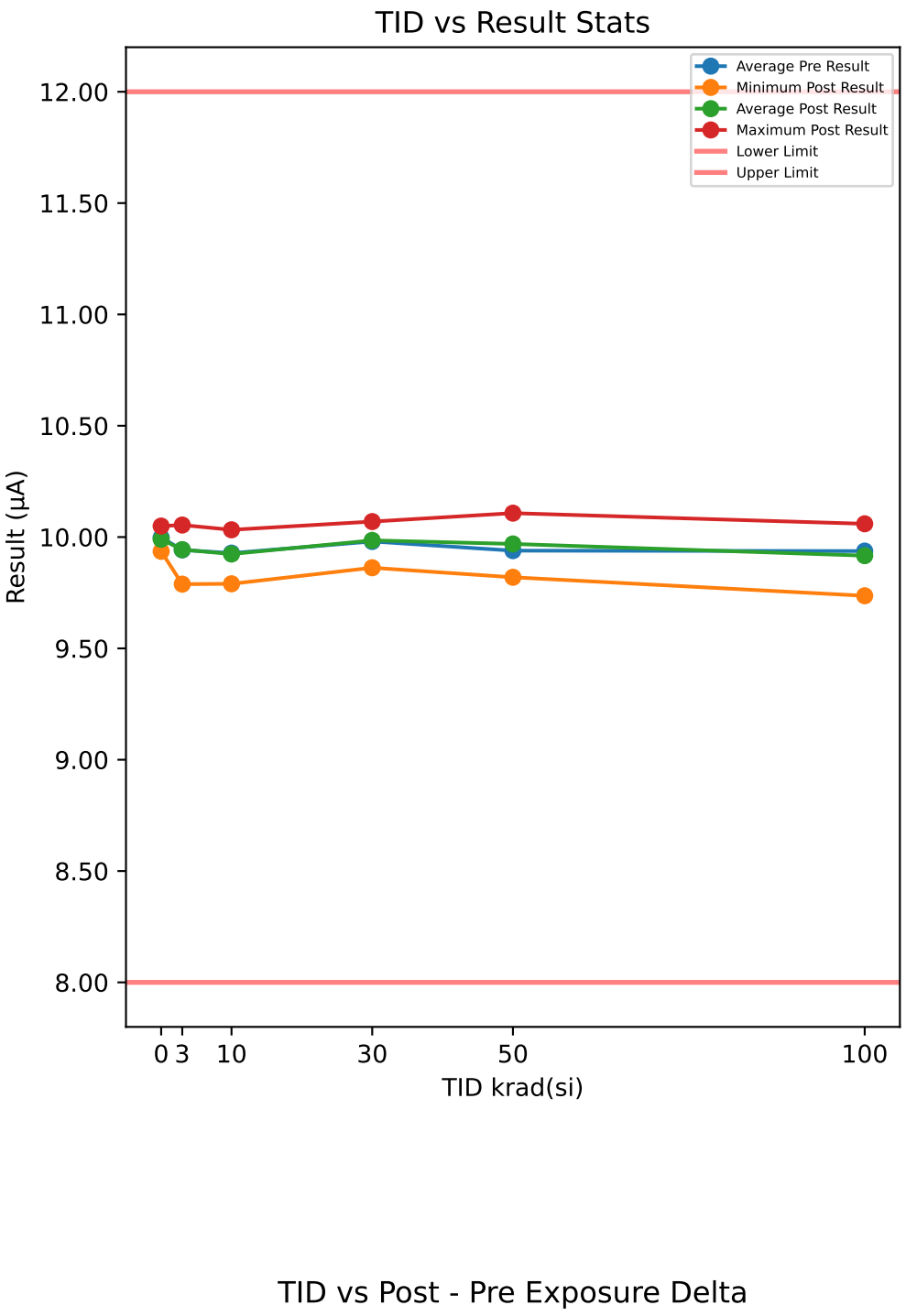
Test Results (Lower Limit = 0.596, Upper Limit = 0.603 (V))

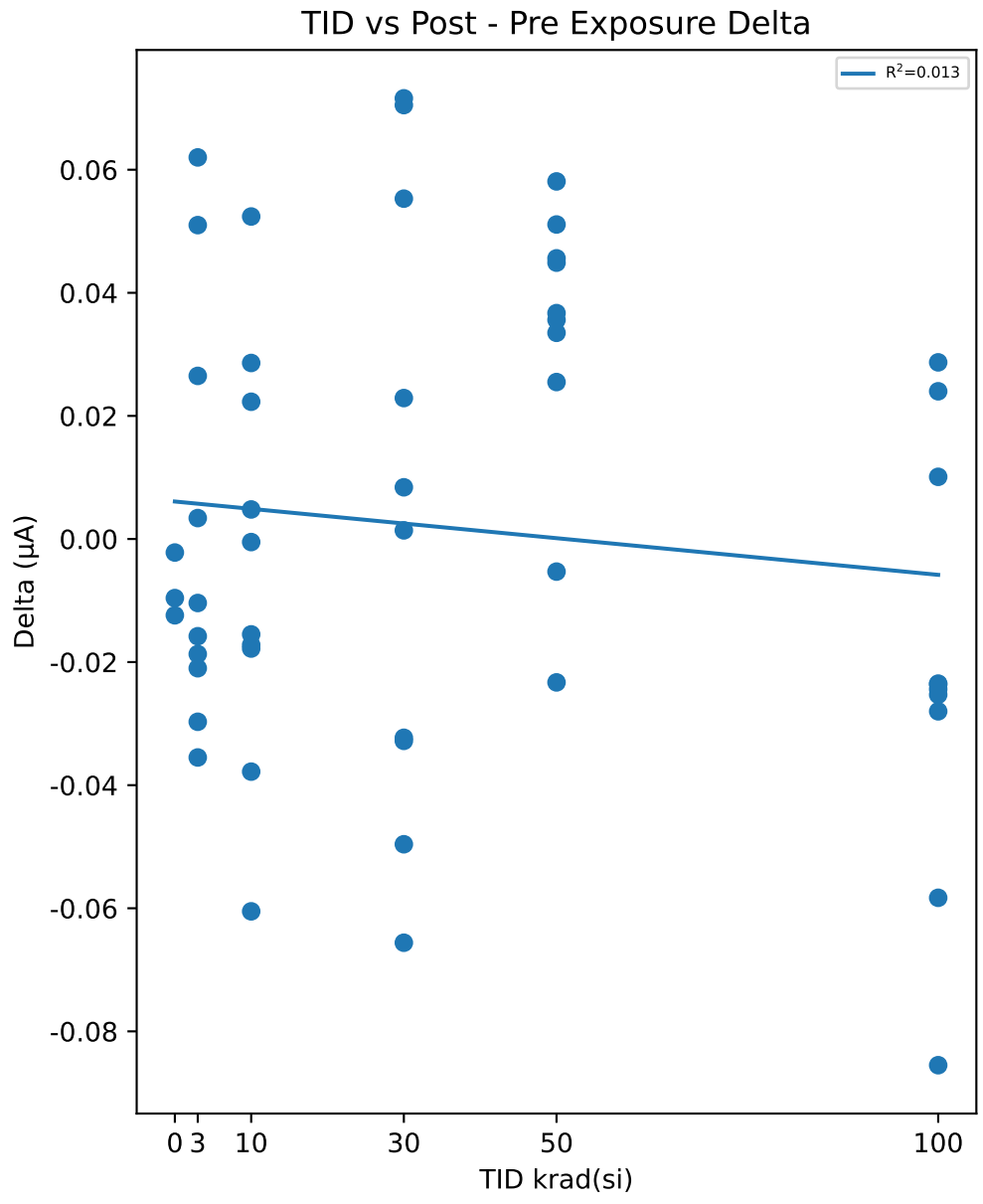
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
390	100	Biased	0.6004	0.6009	0.0005
392	100	Biased	0.5999	0.6011	0.0012
393	100	Biased	0.5993	0.5992	-0.0001
394	100	Biased	0.5998	0.6011	0.0013
395	100	Biased	0.6	0.5998	-0.0002
412	100	Unbiased	0.6005	0.6007	0.0002
413	100	Unbiased	0.5999	0.5987	-0.0012
414	100	Unbiased	0.5994	0.5998	0.0004
415	100	Unbiased	0.5995	0.5998	0.0003
416	100	Unbiased	0.5992	0.6008	0.0016
417	50	Biased	0.6002	0.6004	0.0002
418	50	Biased	0.5994	0.5997	0.0003
419	50	Biased	0.5998	0.5998	0
421	50	Biased	0.6003	0.5997	-0.0006
422	50	Biased	0.6004	0.6012	0.0008
423	50	Unbiased	0.6002	0.6	-0.0002
424	50	Unbiased	0.6	0.6009	0.0009
425	50	Unbiased	0.5996	0.6001	0.0005
426	50	Unbiased	0.6005	0.601	0.0005
427	50	Unbiased	0.5992	0.5992	0
463	0	Corr	0.5998	0.5998	0
464	0	Corr	0.6002	0.6002	0
465	0	Corr	0.5996	0.5997	0.0001
466	30	Biased	0.6005	0.6007	0.0002
469	30	Biased	0.6003	0.601	0.0007
470	30	Biased	0.5996	0.6002	0.0006
472	30	Biased	0.5999	0.5998	-0.0001
474	30	Biased	0.6002	0.6003	0.0001
475	30	Unbiased	0.6001	0.6003	0.0002
477	30	Unbiased	0.5999	0.6002	0.0003
478	30	Unbiased	0.6001	0.5996	-0.0005
479	30	Unbiased	0.5994	0.5985	-0.0009
480	30	Unbiased	0.6004	0.6004	0
481	10	Biased	0.6003	0.6002	-0.0001
482	10	Biased	0.6005	0.6006	0.0001
483	10	Biased	0.601	0.6006	-0.0004
484	10	Biased	0.5995	0.5997	0.0002
485	10	Biased	0.5998	0.5996	-0.0002
487	10	Unbiased	0.6002	0.5999	-0.0003
488	10	Unbiased	0.5999	0.5997	-0.0002
489	10	Unbiased	0.6001	0.5996	-0.0005
490	10	Unbiased	0.6002	0.5997	-0.0005
491	10	Unbiased	0.6005	0.6002	-0.0003
492	3	Biased	0.5993	0.5991	-0.0002
493	3	Biased	0.6005	0.6005	0
494	3	Biased	0.5997	0.5996	-0.0001
495	3	Biased	0.5997	0.6	0.0003
496	3	Biased	0.5995	0.5993	-0.0002
497	3	Unbiased	0.5993	0.5992	-0.0001
498	3	Unbiased	0.6	0.6001	0.0001
499	3	Unbiased	0.5997	0.5995	-0.0002
500	3	Unbiased	0.6004	0.6004	0
502	3	Unbiased	0.5996	0.5997	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	0.5996	0.59987	0.6002	0.00030551	0.5997	0.5999	0.6002	0.00026458	0	3.3333e-05	0.0001	5.7735e-05
3	0.5993	0.59977	0.6005	0.00041379	0.5991	0.59974	0.6005	0.00049261	-0.0002	-3e-05	0.0003	0.00016364
10	0.5995	0.6002	0.601	0.00041899	0.5996	0.59998	0.6006	0.00039384	-0.0005	-0.00022	0.0002	0.00023476
30	0.5994	0.60004	0.6005	0.00034705	0.5985	0.6001	0.601	0.00068799	-0.0009	6e-05	0.0007	0.00047889
50	0.5992	0.59996	0.6005	0.00044272	0.5992	0.6002	0.6012	0.00065659	-0.0006	0.00024	0.0009	0.00045995
100	0.5992	0.59979	0.6005	0.00044335	0.5987	0.60019	0.6011	0.0008465	-0.0012	0.0004	0.0016	0.00082462

Device Test: 17.12 VSNSM_CURR(IDD|POWERED/VSNSN/5////@VSNSM_CURR)





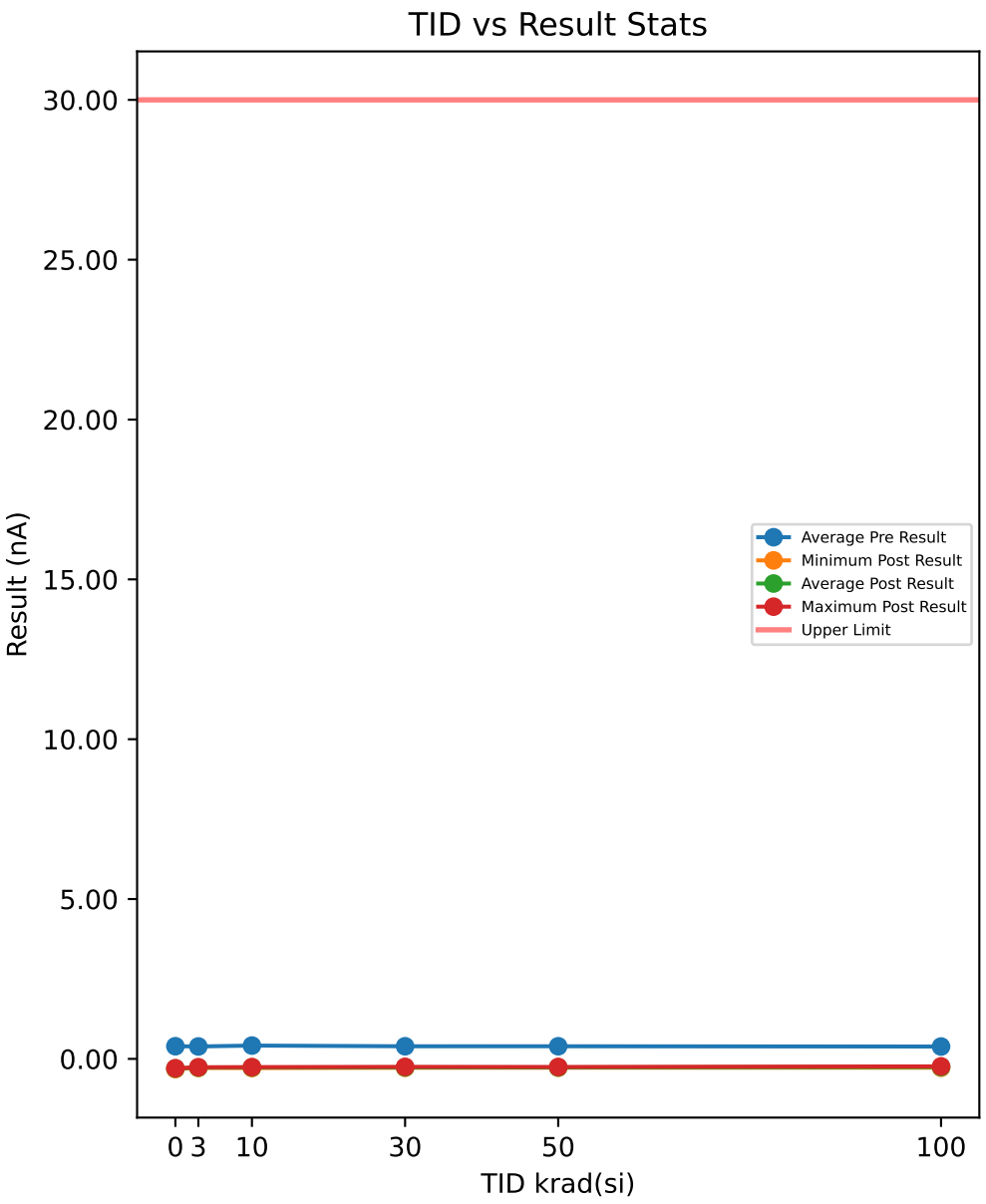
Test Results (Lower Limit = 8.0, Upper Limit = 12.0 (µA))

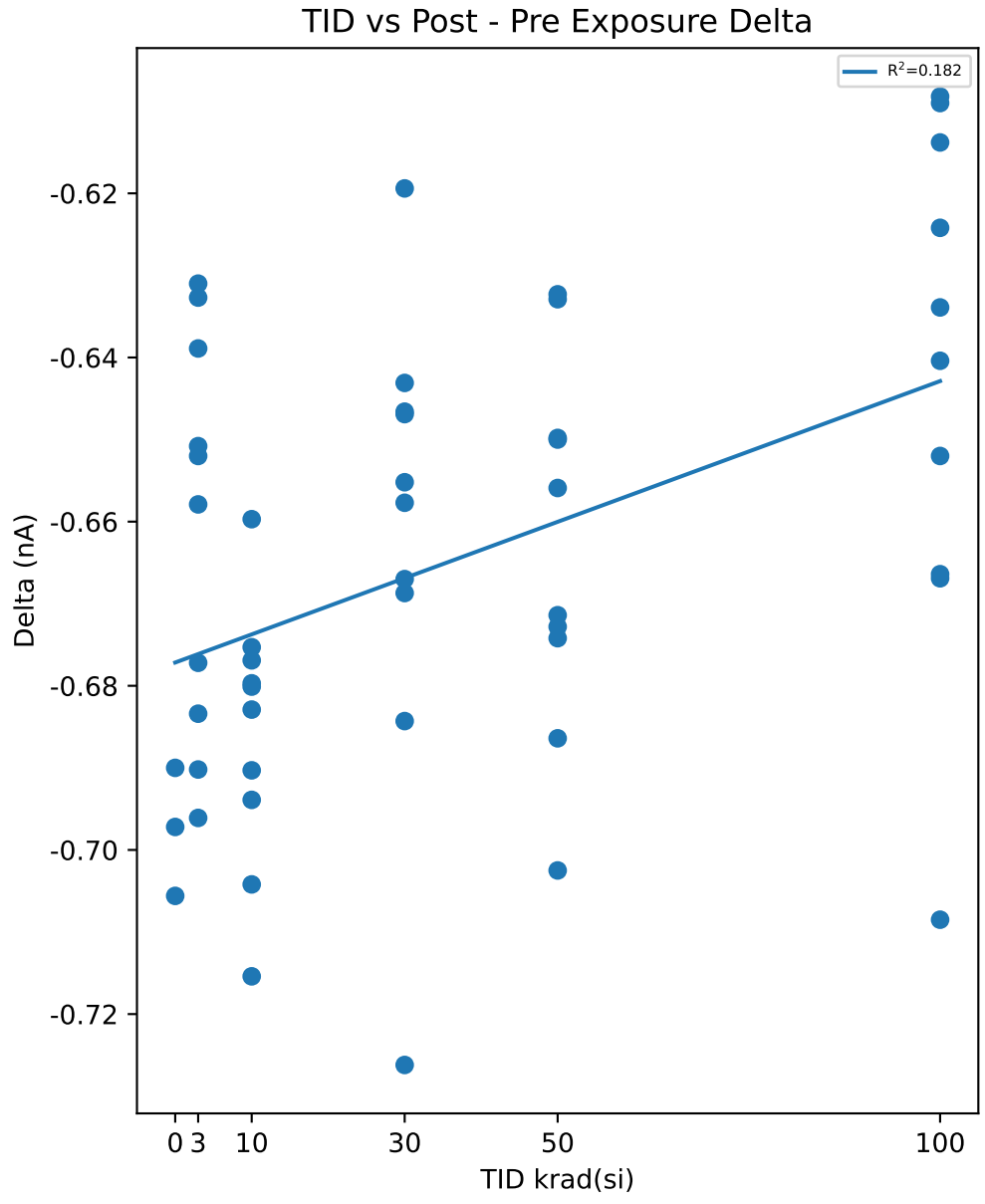
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
390	100	Biased	10.026	10.002	-0.0236
392	100	Biased	10.026	10.055	0.0287
393	100	Biased	9.9424	9.9144	-0.028
394	100	Biased	10.036	10.06	0.024
395	100	Biased	9.9251	9.9016	-0.0235
412	100	Unbiased	9.8844	9.8591	-0.0253
413	100	Unbiased	9.7946	9.7363	-0.0583
414	100	Unbiased	10.02	9.9958	-0.0244
415	100	Unbiased	9.8849	9.7994	-0.0855
416	100	Unbiased	9.8314	9.8415	0.0101
417	50	Biased	10.021	10.066	0.0456
418	50	Biased	9.9532	9.9981	0.0449
419	50	Biased	9.9909	9.9856	-0.0053
421	50	Biased	9.8372	9.8627	0.0255
422	50	Biased	10.025	10.076	0.0511
423	50	Unbiased	9.8436	9.8792	0.0356
424	50	Unbiased	9.8406	9.8773	0.0367
425	50	Unbiased	9.9621	10.02	0.0581
426	50	Unbiased	10.074	10.107	0.0335
427	50	Unbiased	9.8427	9.8194	-0.0233
463	0	Corr	9.9381	9.9359	-0.0022
464	0	Corr	10.059	10.049	-0.0096
465	0	Corr	9.9967	9.9843	-0.0124
466	30	Biased	10.057	9.9911	-0.0656
469	30	Biased	9.9394	9.9071	-0.0323
470	30	Biased	9.9053	9.9067	0.0014
472	30	Biased	10.061	10.07	0.0084
474	30	Biased	9.9736	10.044	0.0705
475	30	Unbiased	10.024	9.9917	-0.0328
477	30	Unbiased	9.9505	10.006	0.0553
478	30	Unbiased	10.032	10.055	0.0229
479	30	Unbiased	9.9118	9.8622	-0.0496
480	30	Unbiased	9.9471	10.019	0.0716
481	10	Biased	10.01	9.9942	-0.0155
482	10	Biased	9.9417	9.9941	0.0524
483	10	Biased	9.8279	9.7901	-0.0378
484	10	Biased	9.9295	9.9343	0.0048
485	10	Biased	9.8595	9.8423	-0.0172
487	10	Unbiased	10.033	10.033	-0.0005
488	10	Unbiased	9.8607	9.8429	-0.0178
489	10	Unbiased	9.9724	9.9119	-0.0605
490	10	Unbiased	9.9443	9.9729	0.0286
491	10	Unbiased	9.9	9.9223	0.0223
492	3	Biased	9.9213	9.9003	-0.021
493	3	Biased	9.824	9.7885	-0.0355
494	3	Biased	9.9469	9.9172	-0.0297
495	3	Biased	9.992	10.054	0.062
496	3	Biased	9.9578	9.942	-0.0158
497	3	Unbiased	9.9698	9.9963	0.0265
498	3	Unbiased	9.9692	9.9505	-0.0187
499	3	Unbiased	9.9973	10.048	0.051
500	3	Unbiased	10.009	9.9985	-0.0104
502	3	Unbiased	9.8361	9.8395	0.0034

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	9.9381	9.9979	10.059	0.060459	9.9359	9.9899	10.049	0.056954	-0.0124	-0.0080667	-0.0022	0.00527
3	9.824	9.9423	10.009	0.064452	9.7885	9.9435	10.054	0.08593	-0.0355	0.00118	0.062	0.034052
10	9.8279	9.9279	10.033	0.066811	9.7901	9.9238	10.033	0.078502	-0.0605	-0.00412	0.0524	0.033093
30	9.9053	9.9802	10.061	0.058692	9.8622	9.9852	10.07	0.070256	-0.0656	0.00498	0.0716	0.049874
50	9.8372	9.939	10.074	0.090707	9.8194	9.9692	10.107	0.10215	-0.0233	0.03024	0.0581	0.025594
100	9.7946	9.9371	10.036	0.087941	9.7363	9.9165	10.06	0.10986	-0.0855	-0.02058	0.0287	0.035125

Device Test: 17.13 VSNSP_LKG_CURR_0P6V(LEAK|POWERED/VSNSP/5////@VSNSP_LKG_CURR_0P6V)





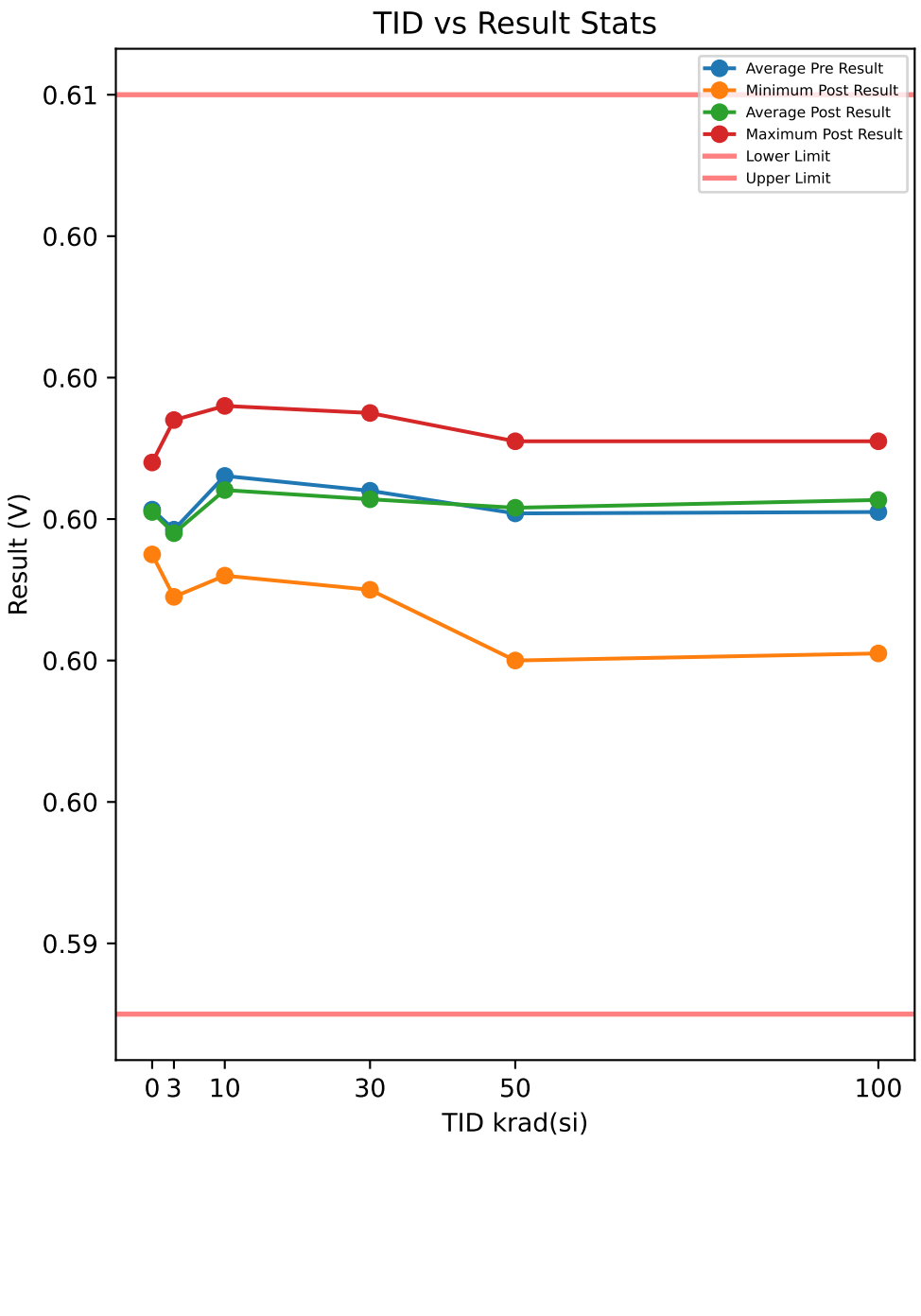
Test Results (Upper Limit = 30.0 (nA))

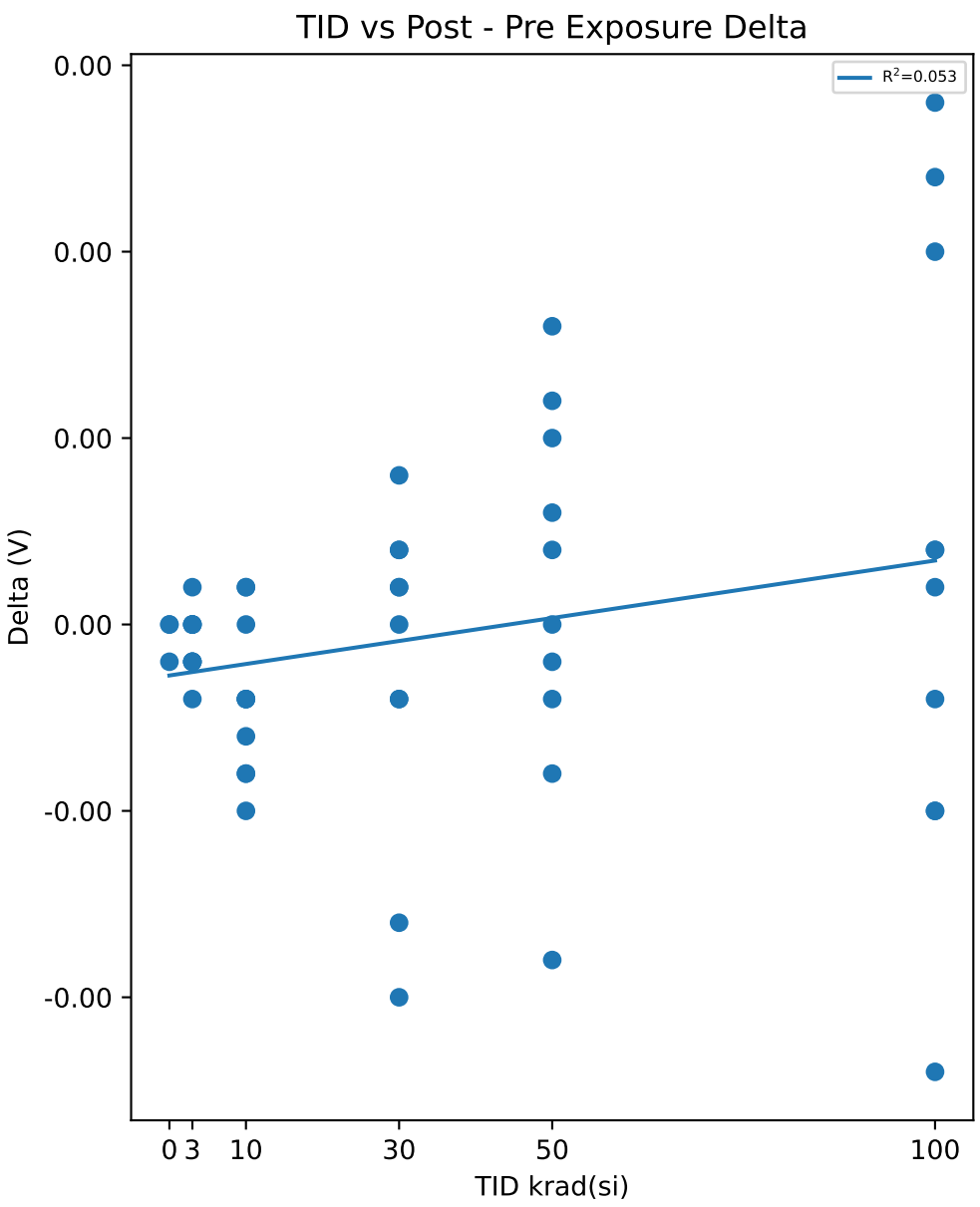
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
390	100	Biased	0.4016	-0.2653	-0.6669
392	100	Biased	0.3328	-0.2762	-0.609
393	100	Biased	0.36	-0.2482	-0.6082
394	100	Biased	0.3728	-0.2611	-0.6339
395	100	Biased	0.3635	-0.2607	-0.6242
412	100	Unbiased	0.3633	-0.2505	-0.6138
413	100	Unbiased	0.4257	-0.2407	-0.6664
414	100	Unbiased	0.3944	-0.2576	-0.652
415	100	Unbiased	0.4399	-0.2686	-0.7085
416	100	Unbiased	0.4057	-0.2347	-0.6404
417	50	Biased	0.3837	-0.2663	-0.65
418	50	Biased	0.3822	-0.2737	-0.6559
419	50	Biased	0.4031	-0.2697	-0.6728
421	50	Biased	0.4038	-0.2704	-0.6742
422	50	Biased	0.3646	-0.2683	-0.6329
423	50	Unbiased	0.3792	-0.2531	-0.6323
424	50	Unbiased	0.378	-0.2718	-0.6498
425	50	Unbiased	0.4091	-0.2623	-0.6714
426	50	Unbiased	0.4311	-0.2714	-0.7025
427	50	Unbiased	0.4104	-0.276	-0.6864
463	0	Corr	0.3844	-0.3212	-0.7056
464	0	Corr	0.3978	-0.2922	-0.69
465	0	Corr	0.4039	-0.2933	-0.6972
466	30	Biased	0.4142	-0.2701	-0.6843
469	30	Biased	0.449	-0.2772	-0.7262
470	30	Biased	0.3739	-0.273	-0.6469
472	30	Biased	0.3752	-0.2679	-0.6431
474	30	Biased	0.4003	-0.2684	-0.6687
475	30	Unbiased	0.3865	-0.2712	-0.6577
477	30	Unbiased	0.4002	-0.2668	-0.667
478	30	Unbiased	0.3412	-0.2782	-0.6194
479	30	Unbiased	0.4025	-0.2527	-0.6552
480	30	Unbiased	0.3968	-0.2498	-0.6466
481	10	Biased	0.4256	-0.2683	-0.6939
482	10	Biased	0.4081	-0.2822	-0.6903
483	10	Biased	0.4035	-0.2734	-0.6769
484	10	Biased	0.4493	-0.2661	-0.7154
485	10	Biased	0.3987	-0.261	-0.6597
487	10	Unbiased	0.4145	-0.2608	-0.6753
488	10	Unbiased	0.4196	-0.2601	-0.6797
489	10	Unbiased	0.4239	-0.2803	-0.7042
490	10	Unbiased	0.4258	-0.2571	-0.6829
491	10	Unbiased	0.3933	-0.2868	-0.6801
492	3	Biased	0.4083	-0.2751	-0.6834
493	3	Biased	0.396	-0.2619	-0.6579
494	3	Biased	0.4231	-0.273	-0.6961
495	3	Biased	0.3604	-0.2785	-0.6389
496	3	Biased	0.3552	-0.2758	-0.631
497	3	Unbiased	0.4006	-0.2766	-0.6772
498	3	Unbiased	0.3861	-0.2647	-0.6508
499	3	Unbiased	0.3754	-0.2766	-0.652
500	3	Unbiased	0.3692	-0.2635	-0.6327
502	3	Unbiased	0.4065	-0.2837	-0.6902

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	0.3844	0.39537	0.4039	0.0099751	-0.3212	-0.30223	-0.2922	0.016435	-0.7056	-0.6976	-0.69	0.0078077
3	0.3552	0.38808	0.4231	0.022515	-0.2837	-0.27294	-0.2619	0.0071897	-0.6961	-0.66102	-0.631	0.024113
10	0.3933	0.41623	0.4493	0.016355	-0.2868	-0.26961	-0.2571	0.010516	-0.7154	-0.68584	-0.6597	0.015809
30	0.3412	0.39398	0.449	0.02827	-0.2782	-0.26753	-0.2498	0.0093871	-0.7262	-0.66151	-0.6194	0.028652
50	0.3646	0.39452	0.4311	0.020095	-0.276	-0.2683	-0.2531	0.0065635	-0.7025	-0.66282	-0.6323	0.02271
100	0.3328	0.38597	0.4399	0.033142	-0.2762	-0.25636	-0.2347	0.01283	-0.7085	-0.64233	-0.6082	0.031882

Device Test: 17.17 VREF_PLUS_OFFSET(LEVEL|STATIC/VSNSP/12////@VREF_PLUS_OFFSET)





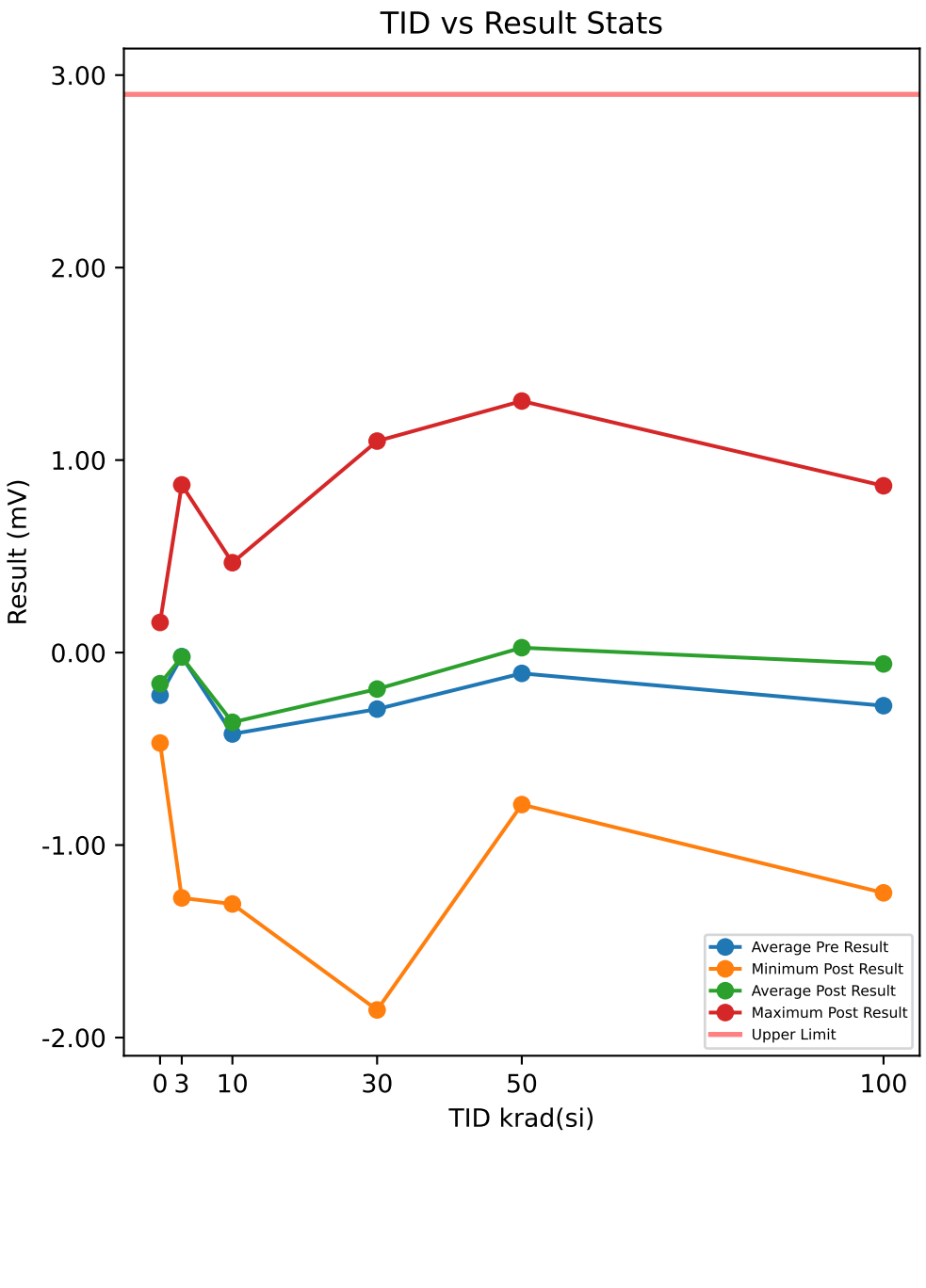
Test Results (Lower Limit = 0.593, Upper Limit = 0.606 (V))

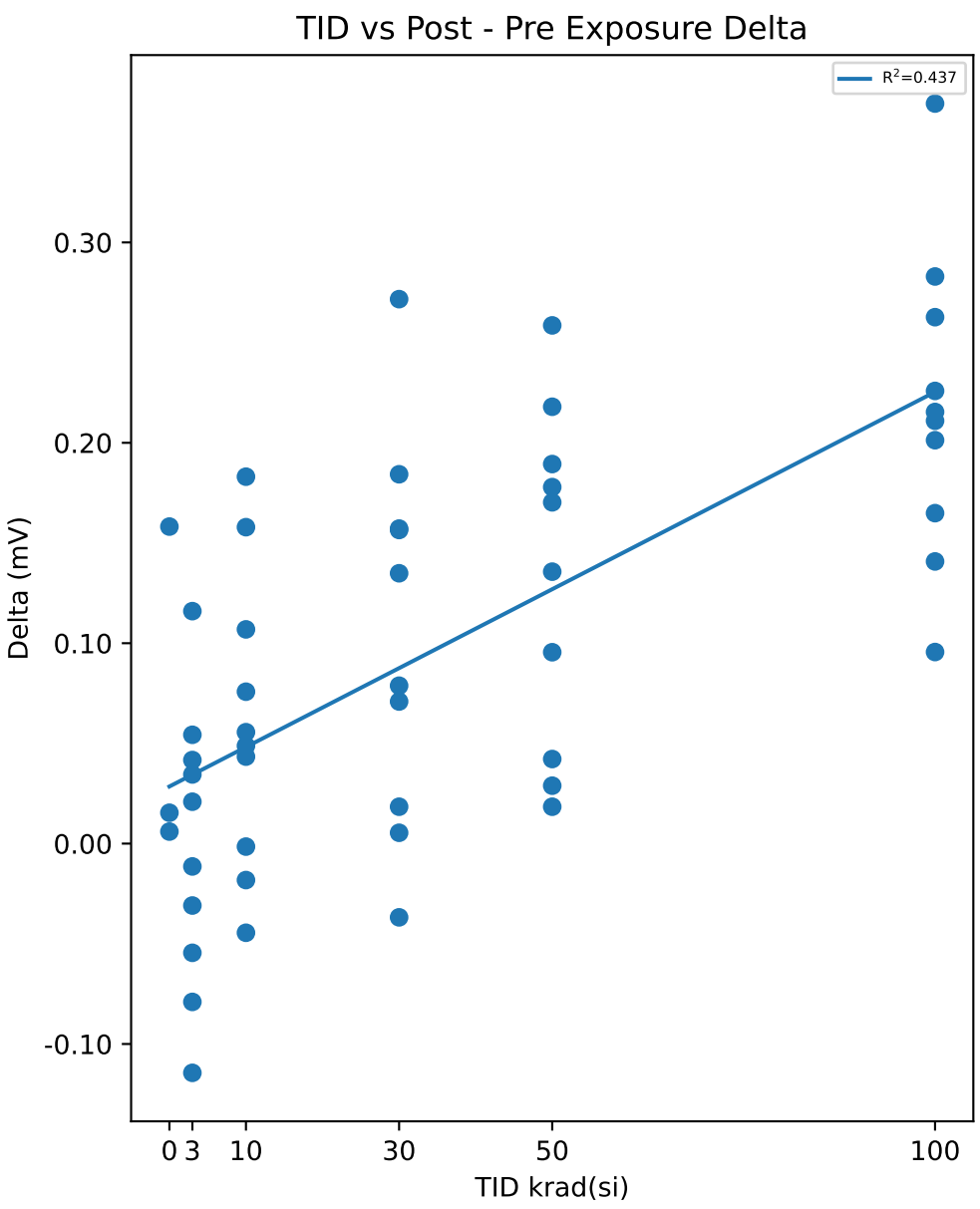
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
390	100	Biased	0.5999	0.6001	0.0002
392	100	Biased	0.5993	0.6003	0.001
393	100	Biased	0.5997	0.5992	-0.0005
394	100	Biased	0.5999	0.6011	0.0012
395	100	Biased	0.6009	0.6004	-0.0005
412	100	Unbiased	0.6013	0.6011	-0.0002
413	100	Unbiased	0.5993	0.5981	-0.0012
414	100	Unbiased	0.601	0.6011	0.0001
415	100	Unbiased	0.6003	0.6005	0.0002
416	100	Unbiased	0.5994	0.6008	0.0014
417	50	Biased	0.6008	0.6008	0
418	50	Biased	0.6	0.6005	0.0005
419	50	Biased	0.6006	0.6004	-0.0002
421	50	Biased	0.6012	0.6003	-0.0009
422	50	Biased	0.6003	0.6011	0.0008
423	50	Unbiased	0.5997	0.5993	-0.0004
424	50	Unbiased	0.5998	0.6004	0.0006
425	50	Unbiased	0.5997	0.5999	0.0002
426	50	Unbiased	0.6006	0.6009	0.0003
427	50	Unbiased	0.5981	0.598	-0.0001
463	0	Corr	0.5996	0.5995	-0.0001
464	0	Corr	0.6008	0.6008	0
465	0	Corr	0.6	0.6	0
466	30	Biased	0.6005	0.6005	0
469	30	Biased	0.6011	0.6015	0.0004
470	30	Biased	0.6011	0.6013	0.0002
472	30	Biased	0.6	0.5998	-0.0002
474	30	Biased	0.6002	0.6	-0.0002
475	30	Unbiased	0.6003	0.6005	0.0002
477	30	Unbiased	0.599	0.5991	0.0001
478	30	Unbiased	0.6022	0.6014	-0.0008
479	30	Unbiased	0.6	0.599	-0.001
480	30	Unbiased	0.5996	0.5997	0.0001
481	10	Biased	0.6004	0.6005	0.0001
482	10	Biased	0.601	0.601	0
483	10	Biased	0.6005	0.6002	-0.0003
484	10	Biased	0.5997	0.5998	0.0001
485	10	Biased	0.5994	0.5992	-0.0002
487	10	Unbiased	0.6001	0.5999	-0.0002
488	10	Unbiased	0.6006	0.6004	-0.0002
489	10	Unbiased	0.6011	0.6006	-0.0005
490	10	Unbiased	0.6013	0.6009	-0.0004
491	10	Unbiased	0.602	0.6016	-0.0004
492	3	Biased	0.599	0.5989	-0.0001
493	3	Biased	0.6007	0.6007	0
494	3	Biased	0.5992	0.5992	0
495	3	Biased	0.6013	0.6014	0.0001
496	3	Biased	0.5994	0.5992	-0.0002
497	3	Unbiased	0.5997	0.5997	0
498	3	Unbiased	0.5998	0.5997	-0.0001
499	3	Unbiased	0.6001	0.6001	0
500	3	Unbiased	0.5996	0.5995	-0.0001
502	3	Unbiased	0.5997	0.5996	-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	0.5996	0.60013	0.6008	0.00061101	0.5995	0.6001	0.6008	0.00065574	-0.0001	-3.3333e-05	0	5.7735e-05
3	0.599	0.59985	0.6013	0.00069482	0.5989	0.5998	0.6014	0.00075572	-0.0002	-5e-05	0.0001	8.4984e-05
10	0.5994	0.60061	0.602	0.00077524	0.5992	0.60041	0.6016	0.00068223	-0.0005	-0.0002	0.0001	0.00021082
30	0.599	0.6004	0.6022	0.00089443	0.599	0.60028	0.6015	0.00091627	-0.001	-0.00012	0.0004	0.00045166
50	0.5981	0.60008	0.6012	0.00085997	0.598	0.60016	0.6011	0.00091676	-0.0009	8e-05	0.0008	0.00050947
100	0.5993	0.6001	0.6013	0.00074087	0.5981	0.60027	0.6011	0.00096038	-0.0012	0.00017	0.0014	0.00082872

Device Test: 17.18 EA_INPUT_OFFSET_V(LEVEL|STATIC/VSNSP/12////@EA_INPUT_OFFSET_V)





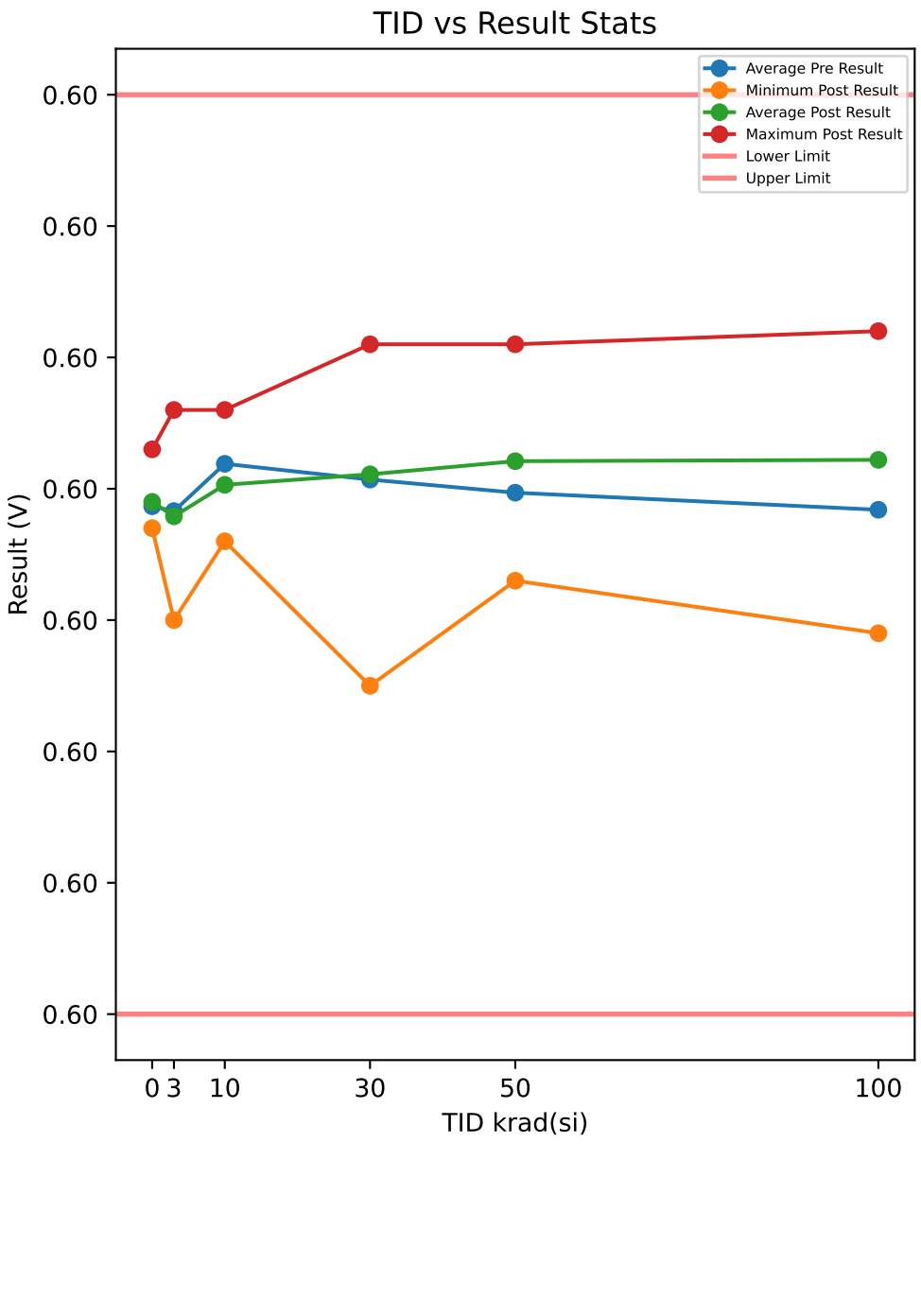
Test Results (Upper Limit = 2.9 (mV))

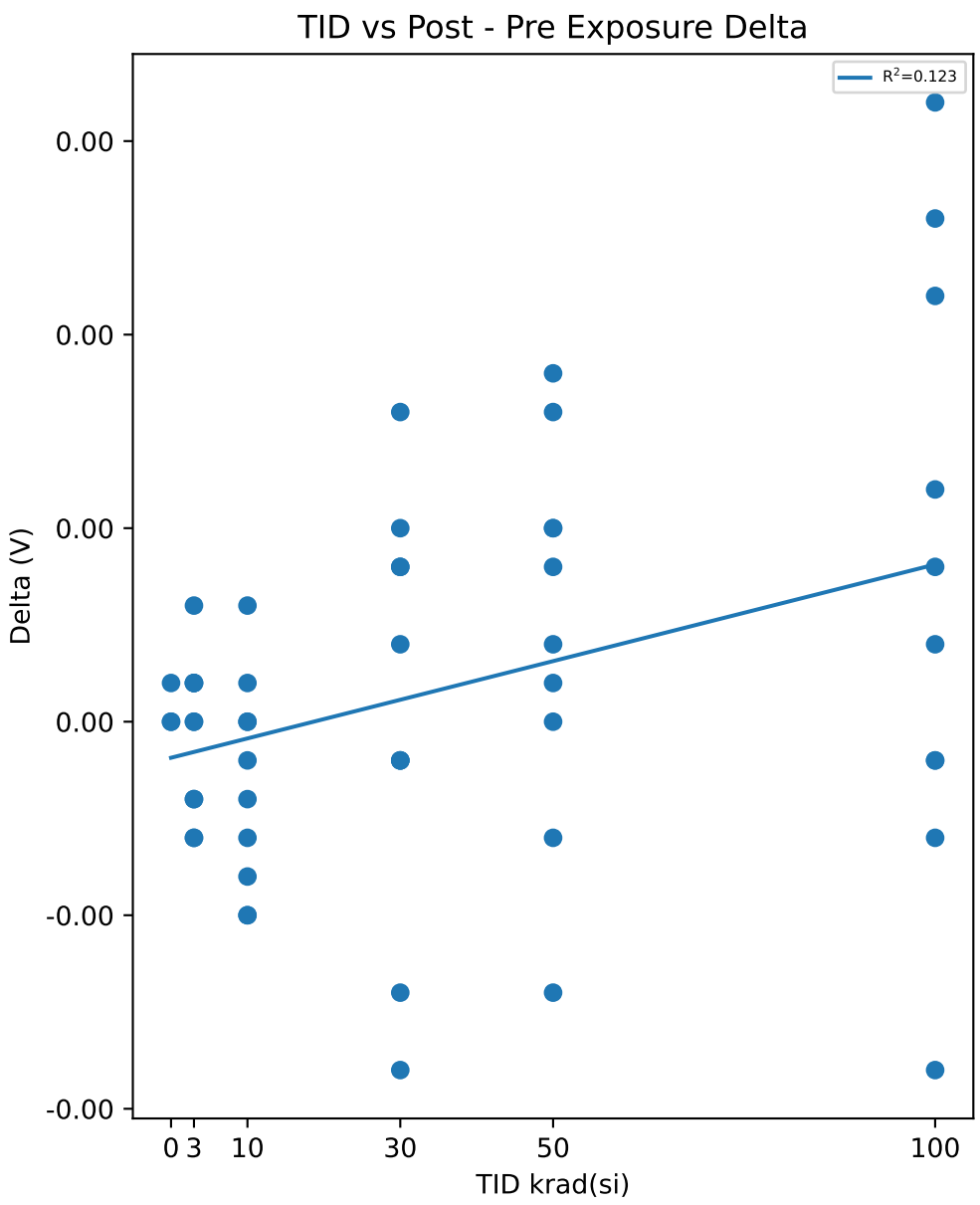
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
390	100	Biased	0.5651	0.7805	0.2154
392	100	Biased	0.4971	0.8664	0.3693
393	100	Biased	-0.2362	-0.0252	0.211
394	100	Biased	-0.1215	-0.0259	0.0956
395	100	Biased	-0.9083	-0.6824	0.2259
412	100	Unbiased	-0.7164	-0.4334	0.283
413	100	Unbiased	0.4434	0.7061	0.2627
414	100	Unbiased	-1.4495	-1.2482	0.2013
415	100	Unbiased	-0.7044	-0.5395	0.1649
416	100	Unbiased	-0.1294	0.0114	0.1408
417	50	Biased	-0.6075	-0.4372	0.1703
418	50	Biased	-0.7191	-0.5412	0.1779
419	50	Biased	-0.785	-0.6895	0.0955
421	50	Biased	-0.8185	-0.7896	0.0289
422	50	Biased	-0.222	0.0366	0.2586
423	50	Unbiased	0.5215	0.5637	0.0422
424	50	Unbiased	0.3891	0.6071	0.218
425	50	Unbiased	0.1132	0.1316	0.0184
426	50	Unbiased	-0.124	0.0654	0.1894
427	50	Unbiased	1.171	1.3067	0.1357
463	0	Corr	0.1411	0.1565	0.0154
464	0	Corr	-0.4758	-0.4698	0.006
465	0	Corr	-0.3301	-0.1719	0.1582
466	30	Biased	0.0952	0.2301	0.1349
469	30	Biased	-0.6257	-0.4692	0.1565
470	30	Biased	-1.3764	-1.1921	0.1843
472	30	Biased	-0.0556	0.1016	0.1572
474	30	Biased	0.1099	0.1808	0.0709
475	30	Unbiased	-0.1329	-0.1275	0.0054
477	30	Unbiased	0.827	1.0987	0.2717
478	30	Unbiased	-1.875	-1.8566	0.0184
479	30	Unbiased	-0.5097	-0.5465	-0.0368
480	30	Unbiased	0.6071	0.6859	0.0788
481	10	Biased	-0.2743	-0.1164	0.1579
482	10	Biased	-0.5068	-0.525	-0.0182
483	10	Biased	0.4684	0.4669	-0.0015
484	10	Biased	-0.0678	0.008	0.0758
485	10	Biased	0.416	0.3715	-0.0445
487	10	Unbiased	-0.0007	0.0481	0.0488
488	10	Unbiased	-0.7238	-0.6169	0.1069
489	10	Unbiased	-0.9473	-0.8917	0.0556
490	10	Unbiased	-1.2424	-1.0593	0.1831
491	10	Unbiased	-1.3494	-1.306	0.0434
492	3	Biased	0.2527	0.1383	-0.1144
493	3	Biased	-0.1987	-0.0827	0.116
494	3	Biased	0.367	0.3879	0.0209
495	3	Biased	-1.3163	-1.2746	0.0417
496	3	Biased	0.2268	0.1723	-0.0545
497	3	Unbiased	-0.36	-0.439	-0.079
498	3	Unbiased	0.4308	0.4851	0.0543
499	3	Unbiased	-0.5217	-0.5526	-0.0309
500	3	Unbiased	0.8826	0.8712	-0.0114
502	3	Unbiased	0.0274	0.0619	0.0345

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	-0.4758	-0.2216	0.1411	0.32244	-0.4698	-0.16173	0.1565	0.31327	0.006	0.059867	0.1582	0.085289
3	-1.3163	-0.02094	0.8826	0.61326	-1.2746	-0.02322	0.8712	0.60751	-0.1144	-0.00228	0.116	0.069203
10	-1.3494	-0.42281	0.4684	0.64353	-1.306	-0.36208	0.4669	0.60919	-0.0445	0.06073	0.1831	0.073349
30	-1.875	-0.29361	0.827	0.83624	-1.8566	-0.18948	1.0987	0.87036	-0.0368	0.10413	0.2717	0.094114
50	-0.8185	-0.10813	1.171	0.6606	-0.7896	0.02536	1.3067	0.6661	0.0184	0.13349	0.2586	0.083808
100	-1.4495	-0.27601	0.5651	0.66866	-1.2482	-0.05902	0.8664	0.69343	0.0956	0.21699	0.3693	0.076929

Device Test: 17.19 VREF_25C(LEVEL|STATIC/SS_TR/12////@VREF_25C)





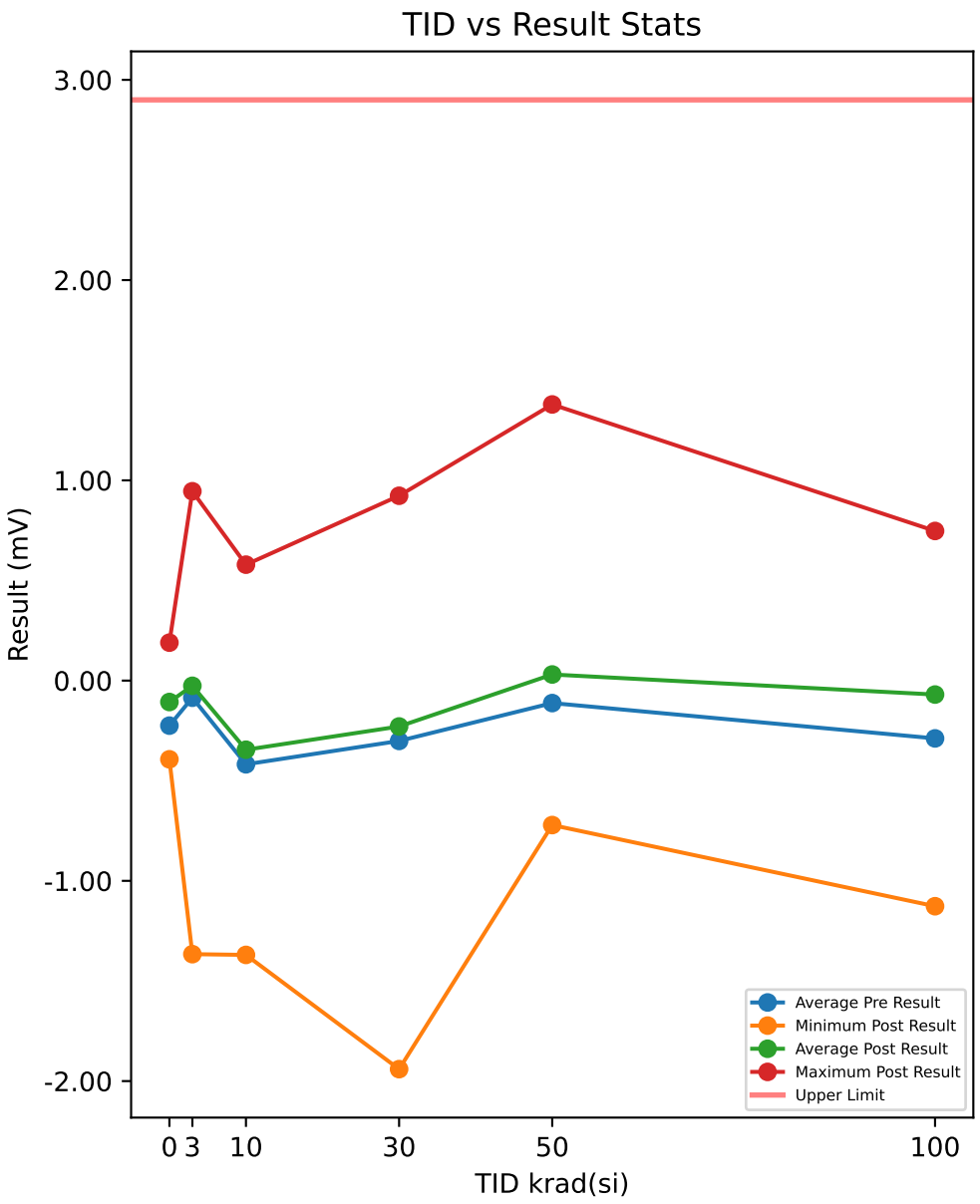
Test Results (Lower Limit = 0.596, Upper Limit = 0.603 (V))

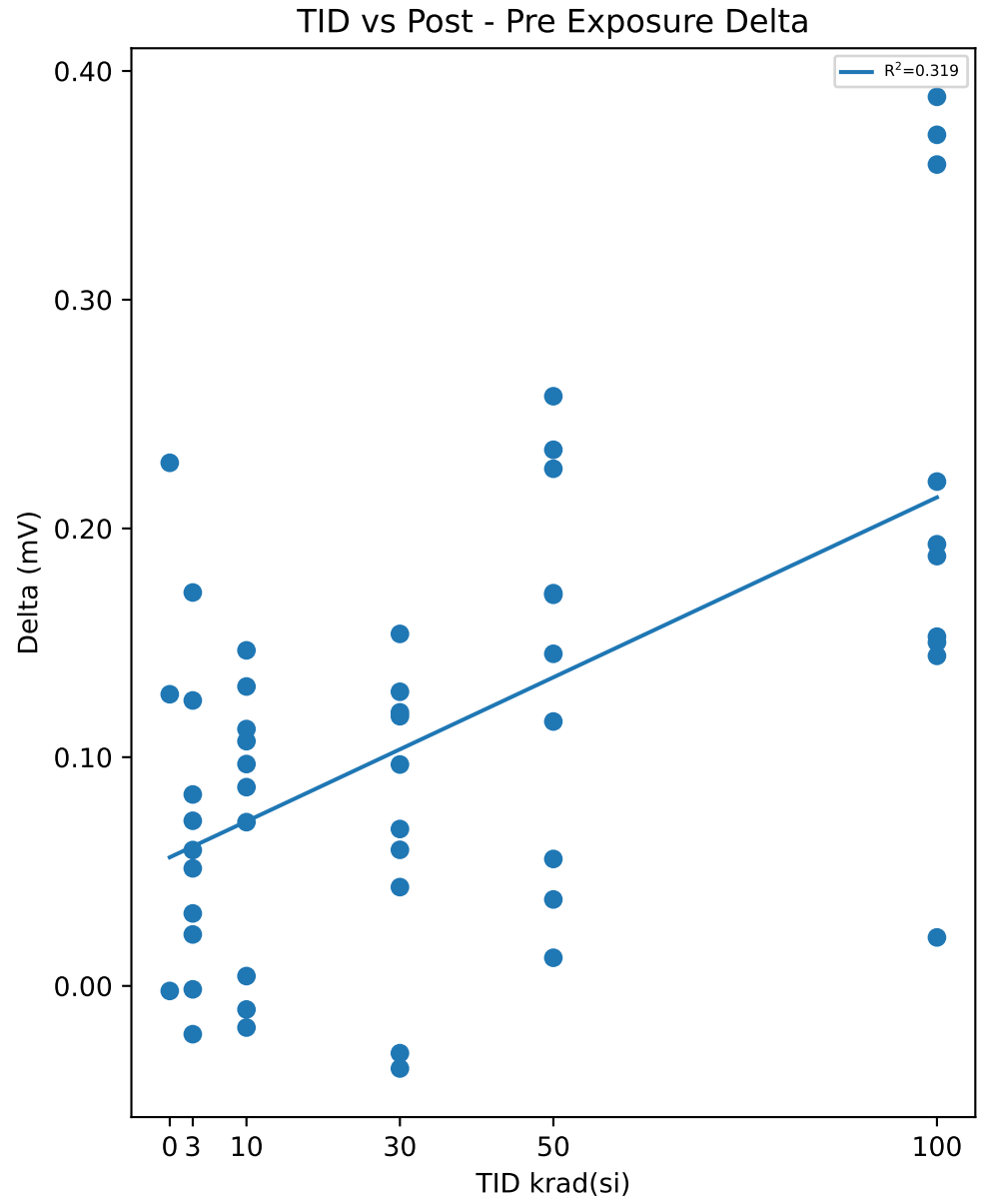
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
390	100	Biased	0.6004	0.601	0.0006
392	100	Biased	0.5999	0.6012	0.0013
393	100	Biased	0.5993	0.5992	-0.0001
394	100	Biased	0.5999	0.601	0.0011
395	100	Biased	0.6	0.5997	-0.0003
412	100	Unbiased	0.6007	0.6006	-0.0001
413	100	Unbiased	0.5998	0.5989	-0.0009
414	100	Unbiased	0.5996	0.5998	0.0002
415	100	Unbiased	0.5995	0.5999	0.0004
416	100	Unbiased	0.5993	0.6009	0.0016
417	50	Biased	0.6002	0.6004	0.0002
418	50	Biased	0.5994	0.5999	0.0005
419	50	Biased	0.5997	0.5998	0.0001
421	50	Biased	0.6003	0.5996	-0.0007
422	50	Biased	0.6003	0.6011	0.0008
423	50	Unbiased	0.6002	0.5999	-0.0003
424	50	Unbiased	0.6001	0.601	0.0009
425	50	Unbiased	0.5997	0.6001	0.0004
426	50	Unbiased	0.6005	0.601	0.0005
427	50	Unbiased	0.5993	0.5993	0
463	0	Corr	0.5997	0.5997	0
464	0	Corr	0.6003	0.6003	0
465	0	Corr	0.5996	0.5997	0.0001
466	30	Biased	0.6005	0.6007	0.0002
469	30	Biased	0.6003	0.6011	0.0008
470	30	Biased	0.5998	0.6003	0.0005
472	30	Biased	0.5999	0.5998	-0.0001
474	30	Biased	0.6003	0.6002	-0.0001
475	30	Unbiased	0.6	0.6004	0.0004
477	30	Unbiased	0.5999	0.6003	0.0004
478	30	Unbiased	0.6002	0.5995	-0.0007
479	30	Unbiased	0.5994	0.5985	-0.0009
480	30	Unbiased	0.6004	0.6003	-0.0001
481	10	Biased	0.6002	0.6003	0.0001
482	10	Biased	0.6005	0.6005	0
483	10	Biased	0.601	0.6006	-0.0004
484	10	Biased	0.5995	0.5998	0.0003
485	10	Biased	0.5998	0.5996	-0.0002
487	10	Unbiased	0.6003	0.6	-0.0003
488	10	Unbiased	0.5998	0.5998	0
489	10	Unbiased	0.6001	0.5996	-0.0005
490	10	Unbiased	0.6002	0.5997	-0.0005
491	10	Unbiased	0.6005	0.6004	-0.0001
492	3	Biased	0.5993	0.599	-0.0003
493	3	Biased	0.6006	0.6006	0
494	3	Biased	0.5997	0.5997	0
495	3	Biased	0.5998	0.6001	0.0003
496	3	Biased	0.5996	0.5993	-0.0003
497	3	Unbiased	0.5994	0.5992	-0.0002
498	3	Unbiased	0.6001	0.6002	0.0001
499	3	Unbiased	0.5997	0.5995	-0.0002
500	3	Unbiased	0.6004	0.6005	0.0001
502	3	Unbiased	0.5997	0.5998	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	0.5996	0.59987	0.6003	0.00037859	0.5997	0.5999	0.6003	0.00034641	0	3.3333e-05	0.0001	5.7735e-05
3	0.5993	0.59983	0.6006	0.00041647	0.599	0.59979	0.6006	0.00055066	-0.0003	-4e-05	0.0003	0.00020111
10	0.5995	0.60019	0.601	0.00042804	0.5996	0.60003	0.6006	0.00038601	-0.0005	-0.00016	0.0003	0.0002675
30	0.5994	0.60007	0.6005	0.0003335	0.5985	0.60011	0.6011	0.00071407	-0.0009	4e-05	0.0008	0.00053375
50	0.5993	0.59997	0.6005	0.00041379	0.5993	0.60021	0.6011	0.00063675	-0.0007	0.00024	0.0009	0.00049035
100	0.5993	0.59984	0.6007	0.00045265	0.5989	0.60022	0.6012	0.00082435	-0.0009	0.00038	0.0016	0.00078145

Device Test: 17.2 EA_INPUT_OFFSET_V(LEVEL|STATIC/VSNSP/4.5////@EA_INPUT_OFFSET_V)





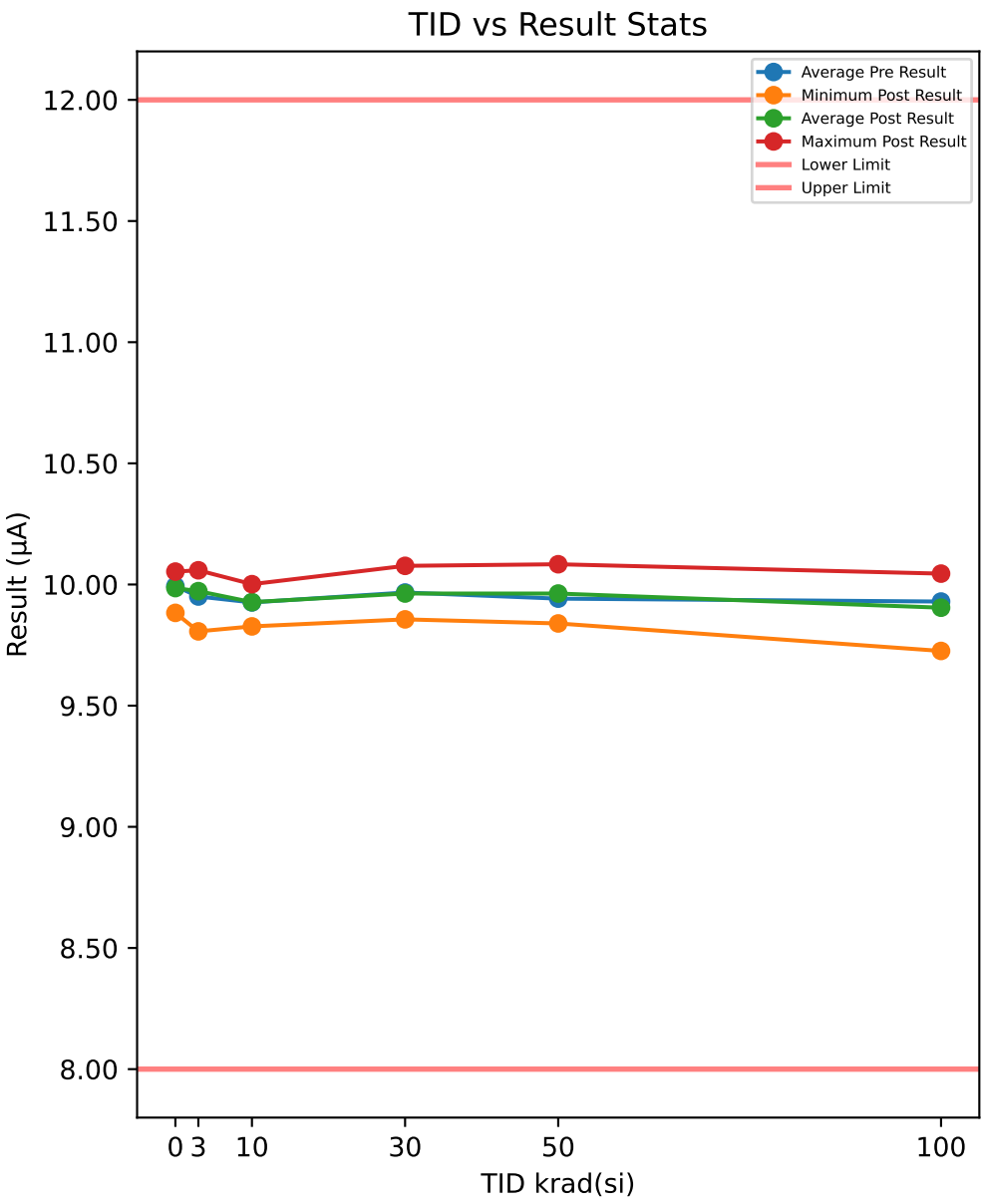
Test Results (Upper Limit = 2.9 (mV))

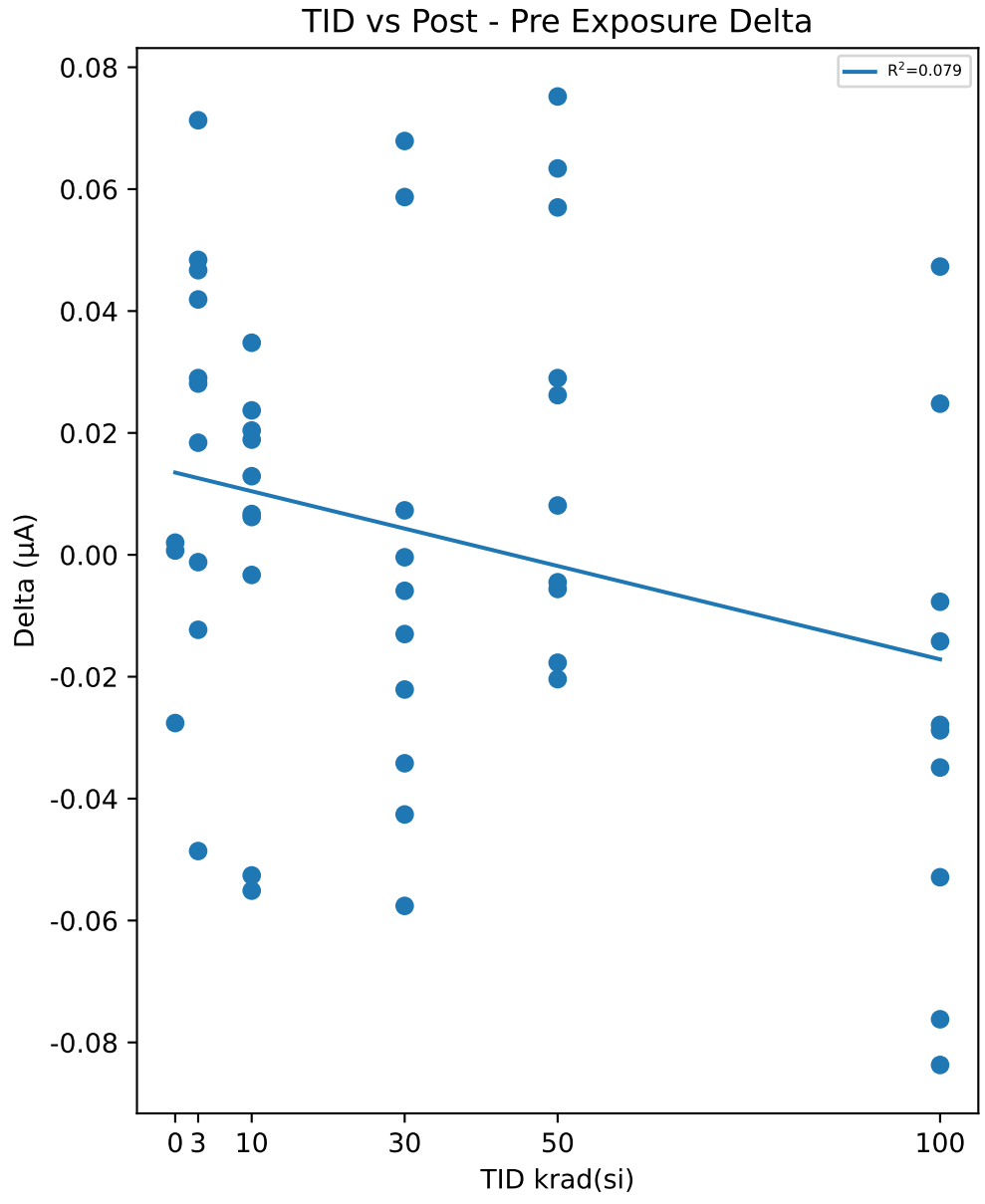
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
390	100	Biased	0.6029	0.7472	0.1443
392	100	Biased	0.5231	0.7436	0.2205
393	100	Biased	-0.244	-0.0913	0.1527
394	100	Biased	-0.1255	0.0247	0.1502
395	100	Biased	-0.8862	-0.5141	0.3721
412	100	Unbiased	-0.7955	-0.4364	0.3591
413	100	Unbiased	0.4085	0.6016	0.1931
414	100	Unbiased	-1.5154	-1.1267	0.3887
415	100	Unbiased	-0.7287	-0.7075	0.0212
416	100	Unbiased	-0.1259	0.062	0.1879
417	50	Biased	-0.5793	-0.4341	0.1452
418	50	Biased	-0.7337	-0.7214	0.0123
419	50	Biased	-0.7663	-0.7108	0.0555
421	50	Biased	-0.7709	-0.6553	0.1156
422	50	Biased	-0.0582	0.1679	0.2261
423	50	Unbiased	0.5226	0.6943	0.1717
424	50	Unbiased	0.3059	0.5637	0.2578
425	50	Unbiased	-0.0099	0.1611	0.171
426	50	Unbiased	-0.177	-0.1392	0.0378
427	50	Unbiased	1.1446	1.379	0.2344
463	0	Corr	0.062	0.1895	0.1275
464	0	Corr	-0.3909	-0.3931	-0.0022
465	0	Corr	-0.3459	-0.1172	0.2287
466	30	Biased	0.1028	0.146	0.0432
469	30	Biased	-0.6365	-0.5679	0.0686
470	30	Biased	-1.3758	-1.2562	0.1196
472	30	Biased	-0.0556	0.0623	0.1179
474	30	Biased	0.0631	0.1917	0.1286
475	30	Unbiased	-0.1504	0.0035	0.1539
477	30	Unbiased	0.9591	0.923	-0.0361
478	30	Unbiased	-1.9998	-1.9403	0.0595
479	30	Unbiased	-0.5069	-0.4101	0.0968
480	30	Unbiased	0.5864	0.557	-0.0294
481	10	Biased	-0.226	-0.1391	0.0869
482	10	Biased	-0.5194	-0.4124	0.107
483	10	Biased	0.4322	0.5789	0.1467
484	10	Biased	-0.0711	0.0412	0.1123
485	10	Biased	0.4493	0.5209	0.0716
487	10	Unbiased	-0.0286	0.0684	0.097
488	10	Unbiased	-0.775	-0.6441	0.1309
489	10	Unbiased	-0.9207	-0.9389	-0.0182
490	10	Unbiased	-1.147	-1.1573	-0.0103
491	10	Unbiased	-1.3741	-1.3698	0.0043
492	3	Biased	0.196	0.368	0.172
493	3	Biased	-0.1637	-0.1848	-0.0211
494	3	Biased	0.3466	0.398	0.0514
495	3	Biased	-1.3886	-1.3661	0.0225
496	3	Biased	0.1233	0.155	0.0317
497	3	Unbiased	-0.4667	-0.4682	-0.0015
498	3	Unbiased	0.2374	0.2968	0.0594
499	3	Unbiased	-0.5725	-0.4477	0.1248
500	3	Unbiased	0.8733	0.9455	0.0722
502	3	Unbiased	-0.0401	0.0436	0.0837

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	-0.3909	-0.22493	0.062	0.24951	-0.3931	-0.10693	0.1895	0.29144	-0.0022	0.118	0.2287	0.11574
3	-1.3886	-0.0855	0.8733	0.61661	-1.3661	-0.02599	0.9455	0.63378	-0.0211	0.05951	0.172	0.057824
10	-1.3741	-0.41804	0.4493	0.6342	-1.3698	-0.34522	0.5789	0.67681	-0.0182	0.07282	0.1467	0.059844
30	-1.9998	-0.30136	0.9591	0.87876	-1.9403	-0.2291	0.923	0.85198	-0.0361	0.07226	0.1539	0.064861
50	-0.7709	-0.11222	1.1446	0.63605	-0.7214	0.03052	1.379	0.69993	0.0123	0.14274	0.2578	0.086028
100	-1.5154	-0.28867	0.6029	0.69181	-1.1267	-0.06969	0.7472	0.63789	0.0212	0.21898	0.3887	0.11895

Device Test: 17.20 VSNSM_CURR(IDD|POWERED/VSNSN/12////@VSNSM_CURR)





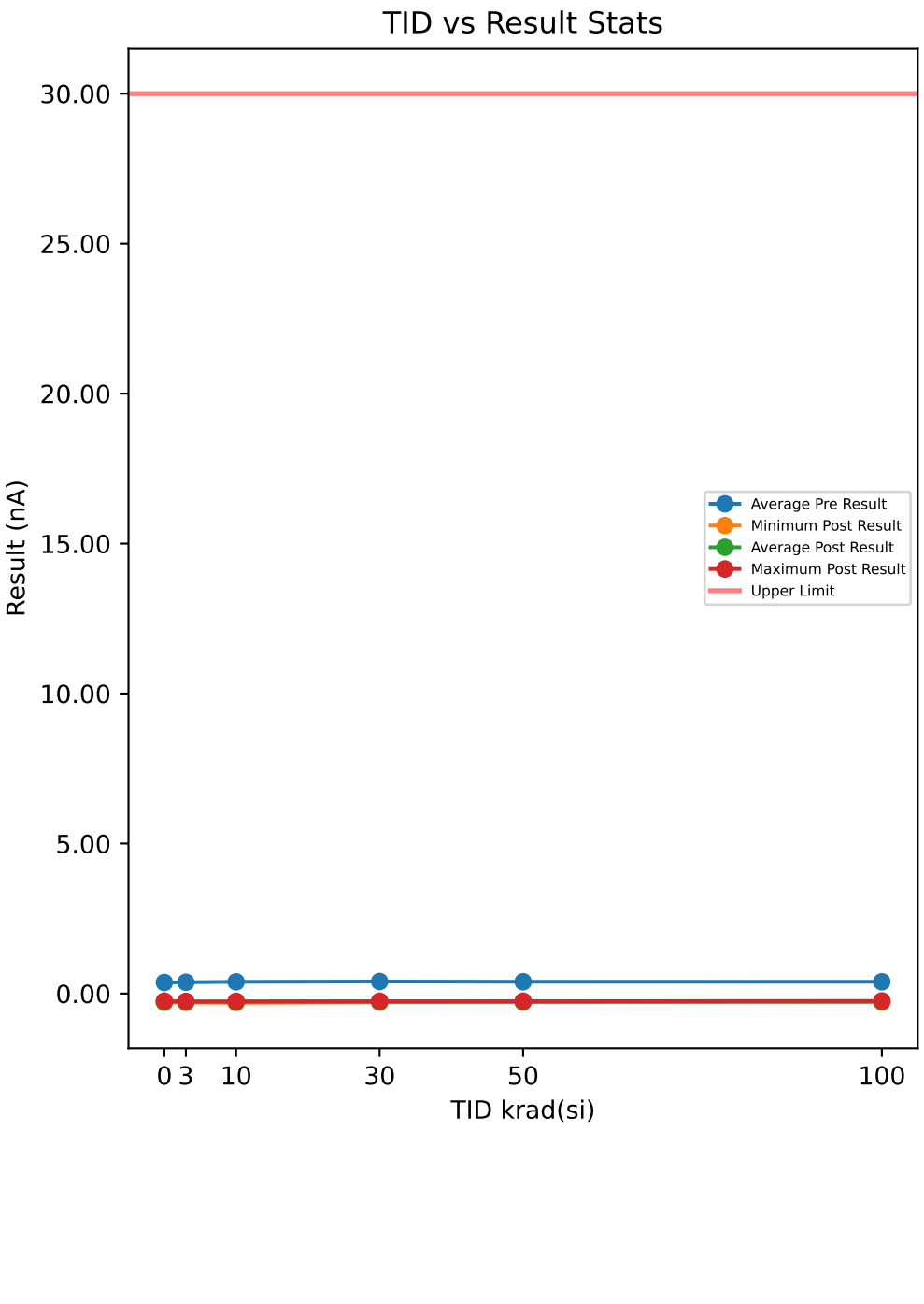
Test Results (Lower Limit = 8.0, Upper Limit = 12.0 (µA))

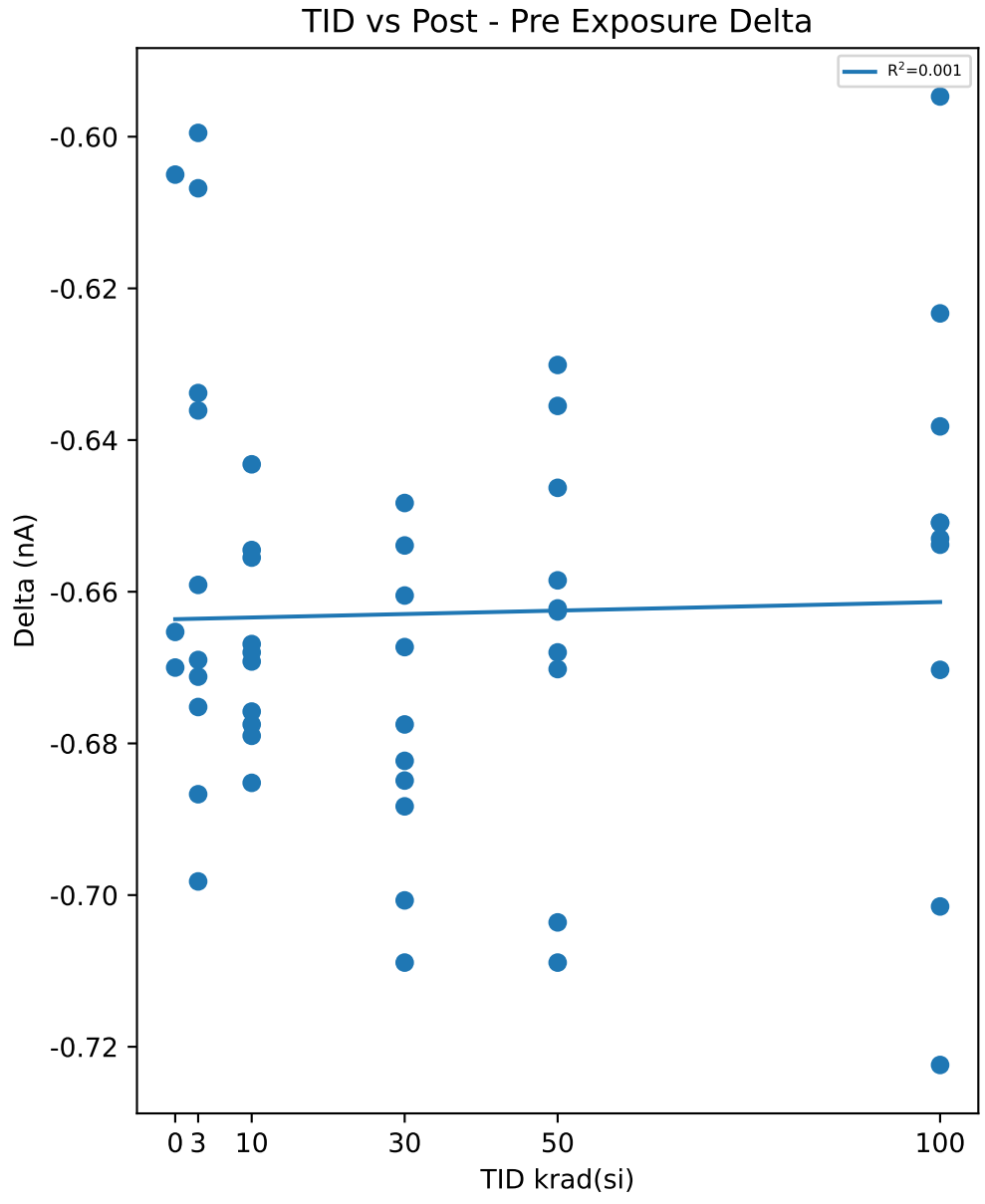
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
390	100	Biased	9.9954	9.9605	-0.0349
392	100	Biased	9.9976	10.045	0.0473
393	100	Biased	9.9377	9.9089	-0.0288
394	100	Biased	10.044	10.03	-0.0142
395	100	Biased	9.9614	9.9085	-0.0529
412	100	Unbiased	9.8901	9.8139	-0.0762
413	100	Unbiased	9.8095	9.7258	-0.0837
414	100	Unbiased	9.9813	10.006	0.0248
415	100	Unbiased	9.8218	9.7939	-0.0279
416	100	Unbiased	9.8582	9.8505	-0.0077
417	50	Biased	10.088	10.084	-0.0045
418	50	Biased	9.9708	10.028	0.057
419	50	Biased	9.981	10.044	0.0634
421	50	Biased	9.8763	9.8586	-0.0177
422	50	Biased	10.024	10.05	0.0262
423	50	Unbiased	9.8587	9.8531	-0.0056
424	50	Unbiased	9.8103	9.8393	0.029
425	50	Unbiased	9.9595	9.9676	0.0081
426	50	Unbiased	10.052	10.031	-0.0204
427	50	Unbiased	9.7964	9.8716	0.0752
463	0	Corr	9.8822	9.8829	0.0007
464	0	Corr	10.047	10.019	-0.0276
465	0	Corr	10.051	10.053	0.002
466	30	Biased	10.009	10.077	0.0679
469	30	Biased	9.8929	9.8799	-0.013
470	30	Biased	9.8455	9.9042	0.0587
472	30	Biased	10.07	10.013	-0.0576
474	30	Biased	9.9802	9.9743	-0.0059
475	30	Unbiased	10.029	9.9869	-0.0426
477	30	Unbiased	9.9741	9.9814	0.0073
478	30	Unbiased	10.01	10.01	-0.0004
479	30	Unbiased	9.8782	9.8561	-0.0221
480	30	Unbiased	9.9797	9.9455	-0.0342
481	10	Biased	10.031	9.9782	-0.0526
482	10	Biased	9.9527	9.9716	0.0189
483	10	Biased	9.8243	9.848	0.0237
484	10	Biased	9.8998	9.906	0.0062
485	10	Biased	9.8678	9.8882	0.0204
487	10	Unbiased	9.9885	10.001	0.0129
488	10	Unbiased	9.8822	9.8271	-0.0551
489	10	Unbiased	9.9582	9.9649	0.0067
490	10	Unbiased	9.9472	9.982	0.0348
491	10	Unbiased	9.9088	9.9055	-0.0033
492	3	Biased	9.9724	9.9908	0.0184
493	3	Biased	9.8121	9.8411	0.029
494	3	Biased	9.9243	9.9727	0.0484
495	3	Biased	9.9874	10.059	0.0713
496	3	Biased	9.9697	10.012	0.0419
497	3	Unbiased	10.004	9.9916	-0.0123
498	3	Unbiased	10.009	10.008	-0.0012
499	3	Unbiased	9.9964	10.024	0.0281
500	3	Unbiased	9.9742	10.021	0.0467
502	3	Unbiased	9.8552	9.8066	-0.0486

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	9.8822	9.9935	10.051	0.09644	9.8829	9.9852	10.053	0.09022	-0.0276	-0.0083	0.002	0.016727
3	9.8121	9.9505	10.009	0.066739	9.8066	9.9726	10.059	0.082157	-0.0486	0.02217	0.0713	0.034851
10	9.8243	9.926	10.031	0.061209	9.8271	9.9273	10.001	0.060769	-0.0551	0.00126	0.0348	0.030901
30	9.8455	9.967	10.07	0.072072	9.8561	9.9628	10.077	0.06733	-0.0576	-0.00419	0.0679	0.040727
50	9.7964	9.9417	10.088	0.10139	9.8393	9.9627	10.084	0.096761	-0.0204	0.02107	0.0752	0.034734
100	9.8095	9.9297	10.044	0.080602	9.7258	9.9043	10.045	0.10759	-0.0837	-0.02542	0.0473	0.040944

Device Test: 17.21 VSNSP_LKG_CURR_0P6V(LEAK|POWERED/VSNSP/12////@VSNSP_LKG_CURR_0P6V)





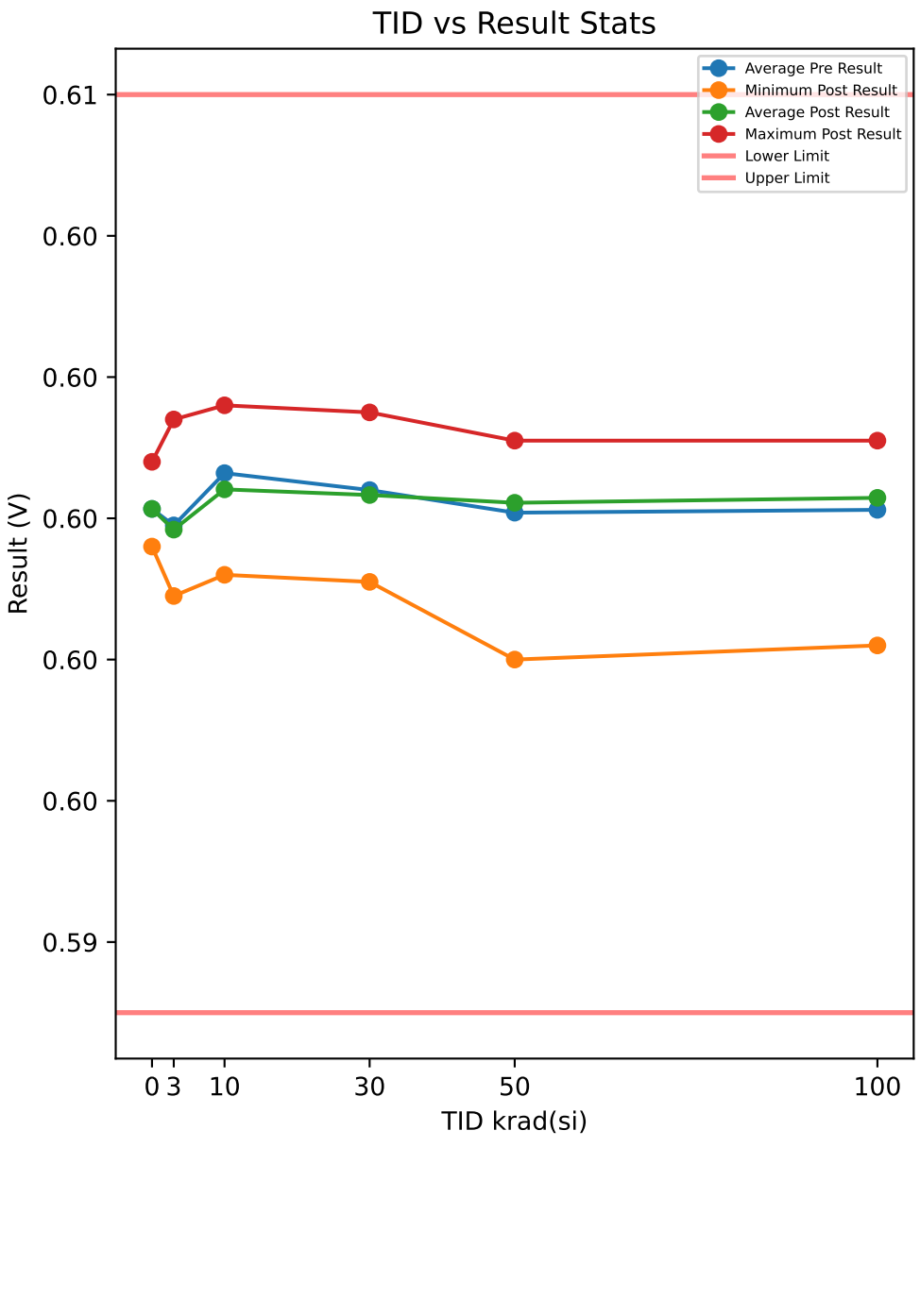
Test Results (Upper Limit = 30.0 (nA))

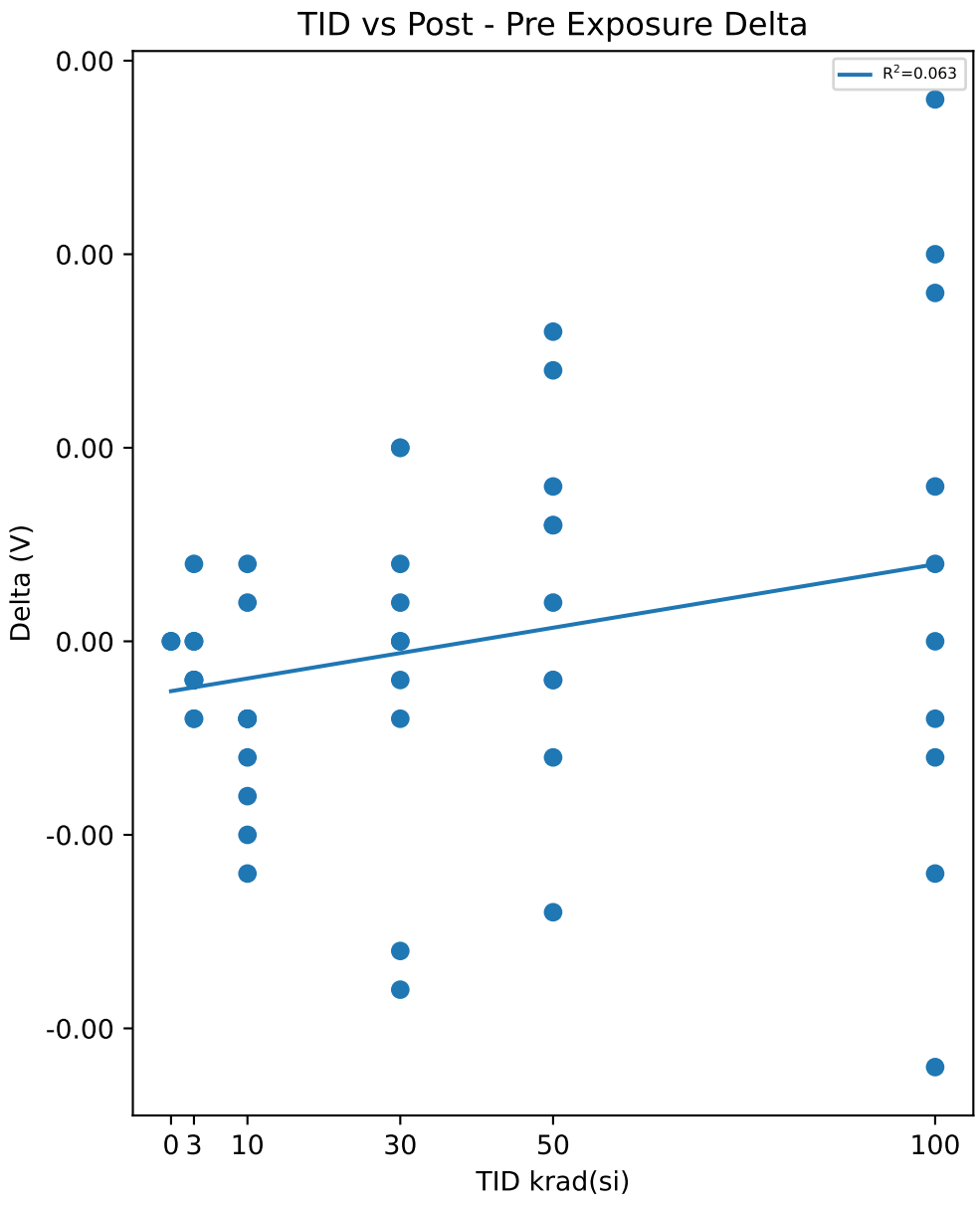
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
390	100	Biased	0.3739	-0.2643	-0.6382
392	100	Biased	0.4151	-0.2864	-0.7015
393	100	Biased	0.4441	-0.2783	-0.7224
394	100	Biased	0.3857	-0.2652	-0.6509
395	100	Biased	0.4112	-0.2591	-0.6703
412	100	Unbiased	0.3868	-0.267	-0.6538
413	100	Unbiased	0.3653	-0.258	-0.6233
414	100	Unbiased	0.4071	-0.2459	-0.653
415	100	Unbiased	0.3492	-0.2455	-0.5947
416	100	Unbiased	0.3872	-0.2637	-0.6509
417	50	Biased	0.4226	-0.2863	-0.7089
418	50	Biased	0.4393	-0.2643	-0.7036
419	50	Biased	0.3844	-0.2741	-0.6585
421	50	Biased	0.3979	-0.2647	-0.6626
422	50	Biased	0.4066	-0.2636	-0.6702
423	50	Unbiased	0.3501	-0.28	-0.6301
424	50	Unbiased	0.4077	-0.2545	-0.6622
425	50	Unbiased	0.3908	-0.2772	-0.668
426	50	Unbiased	0.3705	-0.2758	-0.6463
427	50	Unbiased	0.3665	-0.269	-0.6355
463	0	Corr	0.3547	-0.2503	-0.605
464	0	Corr	0.3746	-0.2954	-0.67
465	0	Corr	0.3762	-0.2891	-0.6653
466	30	Biased	0.4052	-0.2723	-0.6775
469	30	Biased	0.3781	-0.2824	-0.6605
470	30	Biased	0.4144	-0.2705	-0.6849
472	30	Biased	0.4208	-0.2881	-0.7089
474	30	Biased	0.4218	-0.2789	-0.7007
475	30	Unbiased	0.3864	-0.2809	-0.6673
477	30	Unbiased	0.365	-0.2889	-0.6539
478	30	Unbiased	0.4201	-0.2682	-0.6883
479	30	Unbiased	0.3934	-0.2549	-0.6483
480	30	Unbiased	0.4047	-0.2776	-0.6823
481	10	Biased	0.3904	-0.2788	-0.6692
482	10	Biased	0.4022	-0.2753	-0.6775
483	10	Biased	0.3743	-0.2689	-0.6432
484	10	Biased	0.3808	-0.2737	-0.6545
485	10	Biased	0.3976	-0.2704	-0.668
487	10	Unbiased	0.379	-0.3062	-0.6852
488	10	Unbiased	0.4001	-0.2789	-0.679
489	10	Unbiased	0.3816	-0.2739	-0.6555
490	10	Unbiased	0.3859	-0.281	-0.6669
491	10	Unbiased	0.4177	-0.2581	-0.6758
492	3	Biased	0.4132	-0.285	-0.6982
493	3	Biased	0.3613	-0.2725	-0.6338
494	3	Biased	0.3548	-0.2813	-0.6361
495	3	Biased	0.337	-0.2698	-0.6068
496	3	Biased	0.3383	-0.2612	-0.5995
497	3	Unbiased	0.3762	-0.2829	-0.6591
498	3	Unbiased	0.3848	-0.2864	-0.6712
499	3	Unbiased	0.3974	-0.2778	-0.6752
500	3	Unbiased	0.4249	-0.2618	-0.6867
502	3	Unbiased	0.3709	-0.2981	-0.669

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	0.3547	0.3685	0.3762	0.011978	-0.2954	-0.27827	-0.2503	0.024424	-0.67	-0.64677	-0.605	0.036247
3	0.337	0.37588	0.4249	0.02971	-0.2981	-0.27768	-0.2612	0.011545	-0.6982	-0.65356	-0.5995	0.03324
10	0.3743	0.39096	0.4177	0.01336	-0.3062	-0.27652	-0.2581	0.012306	-0.6852	-0.66748	-0.6432	0.013002
30	0.365	0.40099	0.4218	0.019697	-0.2889	-0.27627	-0.2549	0.010209	-0.7089	-0.67726	-0.6483	0.019779
50	0.3501	0.39364	0.4393	0.027015	-0.2863	-0.27095	-0.2545	0.0094384	-0.7089	-0.66459	-0.6301	0.025702
100	0.3492	0.39256	0.4441	0.027495	-0.2864	-0.26334	-0.2455	0.01266	-0.7224	-0.6559	-0.5947	0.036352

Device Test: 17.25 VREF_PLUS_OFFSET(LEVEL|STATIC/VSNSP/14////@VREF_PLUS_OFFSET)





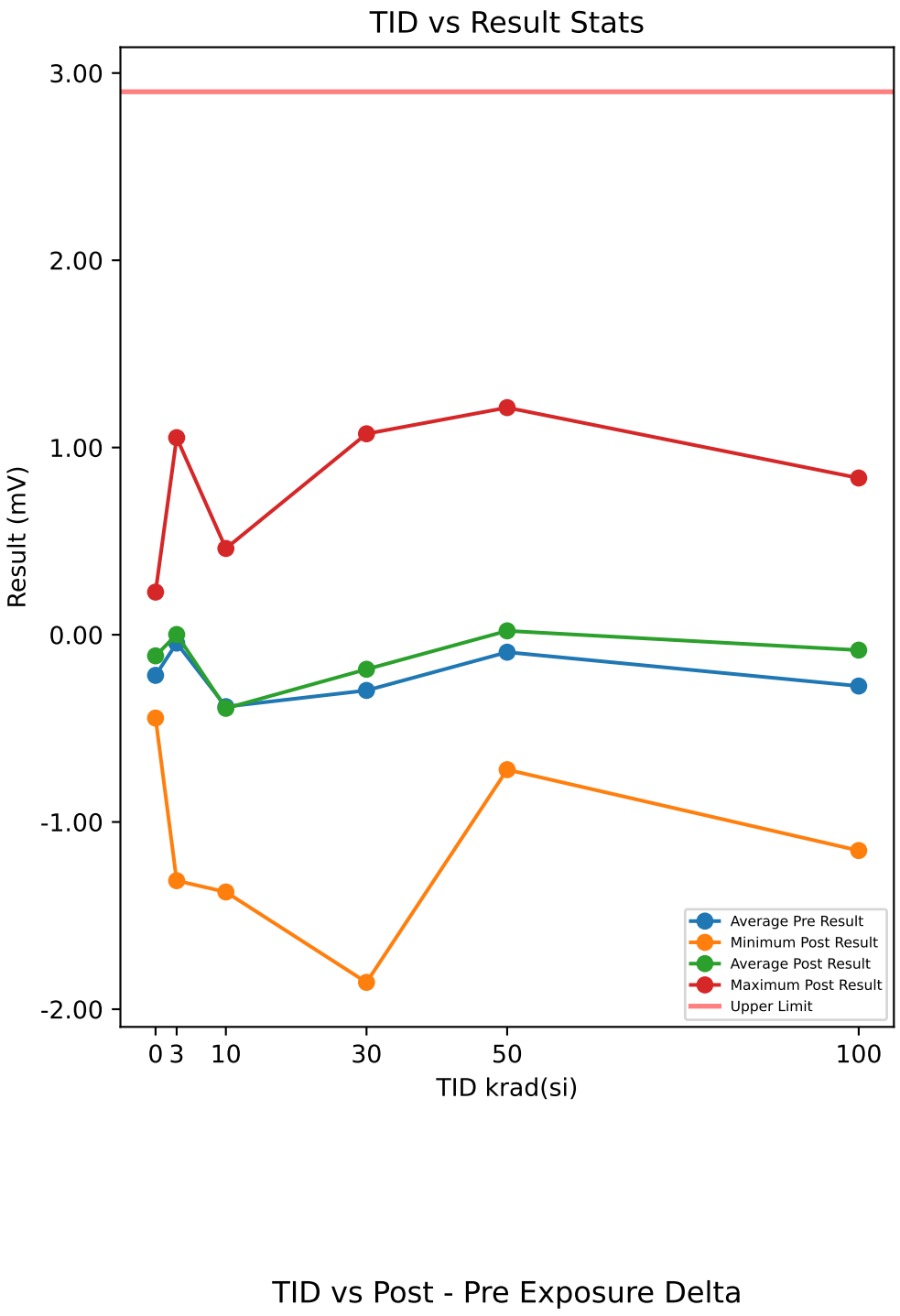
Test Results (Lower Limit = 0.593, Upper Limit = 0.606 (V))

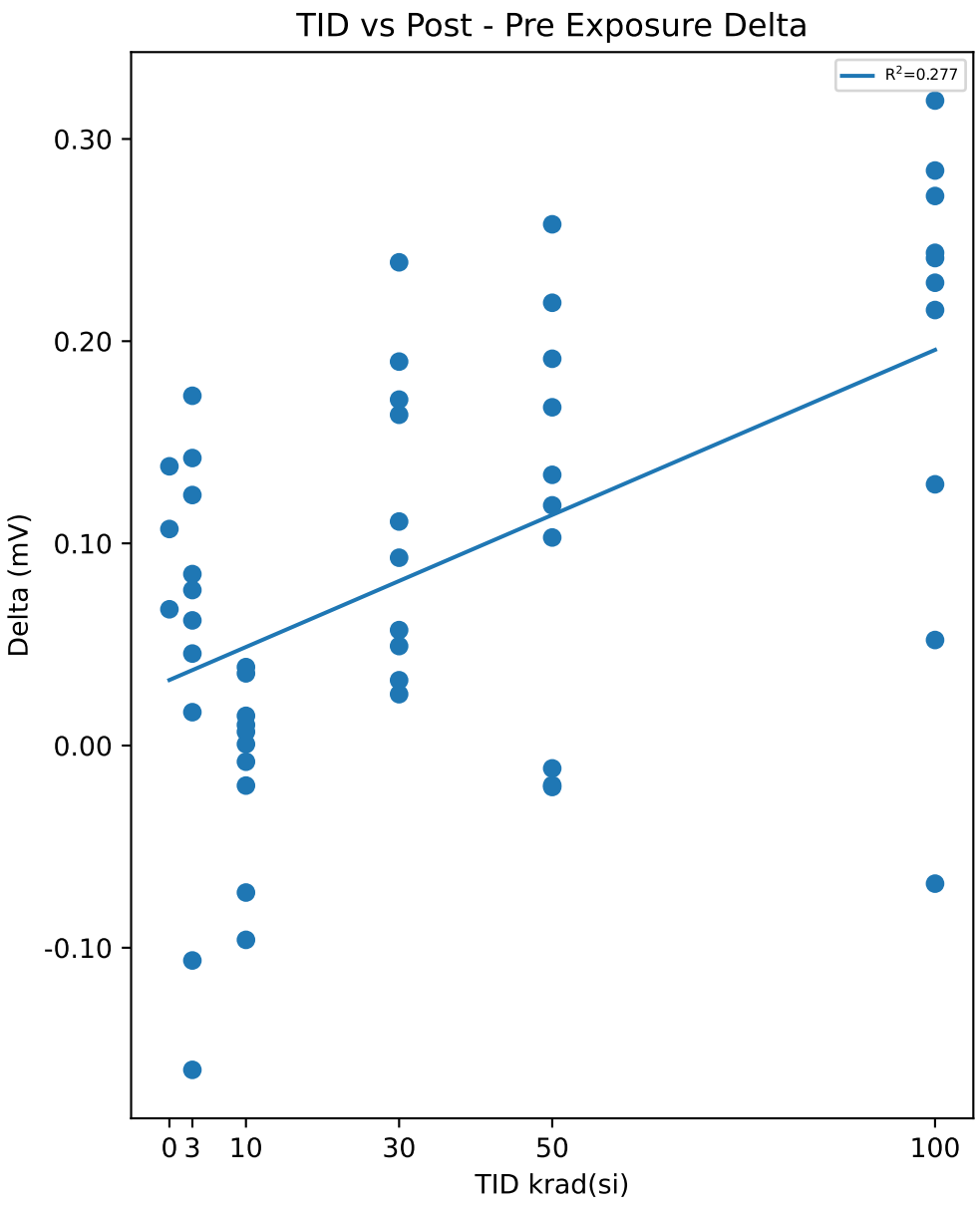
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
390	100	Biased	0.5998	0.6002	0.0004
392	100	Biased	0.5994	0.6004	0.001
393	100	Biased	0.5996	0.5993	-0.0003
394	100	Biased	0.6001	0.601	0.0009
395	100	Biased	0.6009	0.6003	-0.0006
412	100	Unbiased	0.6013	0.6011	-0.0002
413	100	Unbiased	0.5993	0.5982	-0.0011
414	100	Unbiased	0.6011	0.6011	0
415	100	Unbiased	0.6002	0.6004	0.0002
416	100	Unbiased	0.5995	0.6009	0.0014
417	50	Biased	0.6009	0.601	0.0001
418	50	Biased	0.6	0.6004	0.0004
419	50	Biased	0.6006	0.6005	-0.0001
421	50	Biased	0.6011	0.6004	-0.0007
422	50	Biased	0.6003	0.6011	0.0008
423	50	Unbiased	0.5997	0.5994	-0.0003
424	50	Unbiased	0.5997	0.6004	0.0007
425	50	Unbiased	0.5997	0.6	0.0003
426	50	Unbiased	0.6007	0.601	0.0003
427	50	Unbiased	0.5981	0.598	-0.0001
463	0	Corr	0.5996	0.5996	0
464	0	Corr	0.6008	0.6008	0
465	0	Corr	0.6	0.6	0
466	30	Biased	0.6006	0.6005	-0.0001
469	30	Biased	0.601	0.6015	0.0005
470	30	Biased	0.601	0.6015	0.0005
472	30	Biased	0.6	0.5998	-0.0002
474	30	Biased	0.6002	0.6002	0
475	30	Unbiased	0.6003	0.6005	0.0002
477	30	Unbiased	0.5991	0.5992	0.0001
478	30	Unbiased	0.6022	0.6013	-0.0009
479	30	Unbiased	0.5999	0.5991	-0.0008
480	30	Unbiased	0.5997	0.5997	0
481	10	Biased	0.6006	0.6004	-0.0002
482	10	Biased	0.601	0.6011	0.0001
483	10	Biased	0.6006	0.6002	-0.0004
484	10	Biased	0.5996	0.5998	0.0002
485	10	Biased	0.5994	0.5992	-0.0002
487	10	Unbiased	0.6002	0.6	-0.0002
488	10	Unbiased	0.6006	0.6004	-0.0002
489	10	Unbiased	0.601	0.6005	-0.0005
490	10	Unbiased	0.6015	0.6009	-0.0006
491	10	Unbiased	0.6019	0.6016	-0.0003
492	3	Biased	0.5991	0.5989	-0.0002
493	3	Biased	0.6008	0.6008	0
494	3	Biased	0.5993	0.5992	-0.0001
495	3	Biased	0.6012	0.6014	0.0002
496	3	Biased	0.5994	0.5992	-0.0002
497	3	Unbiased	0.5998	0.5998	0
498	3	Unbiased	0.5998	0.5997	-0.0001
499	3	Unbiased	0.6003	0.6002	-0.0001
500	3	Unbiased	0.5996	0.5995	-0.0001
502	3	Unbiased	0.5997	0.5997	0

Test Statistics (V)

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	0.5996	0.60013	0.6008	0.00061101	0.5996	0.60013	0.6008	0.00061101	0	0	0	0
3	0.5991	0.5999	0.6012	0.00067165	0.5989	0.59984	0.6014	0.00077057	-0.0002	-6e-05	0.0002	0.00011738
10	0.5994	0.60064	0.6019	0.00077488	0.5992	0.60041	0.6016	0.00068223	-0.0006	-0.00023	0.0002	0.00024518
30	0.5991	0.6004	0.6022	0.00085894	0.5991	0.60033	0.6015	0.00089573	-0.0009	-7e-05	0.0005	0.00047152
50	0.5981	0.60008	0.6011	0.00086769	0.598	0.60022	0.6011	0.0009319	-0.0007	0.00014	0.0008	0.00045753
100	0.5993	0.60012	0.6013	0.00073907	0.5982	0.60029	0.6011	0.00091706	-0.0011	0.00017	0.0014	0.00077323

Device Test: 17.26 EA_INPUT_OFFSET_V(LEVEL|STATIC/VSNSP/14////@EA_INPUT_OFFSET_V)





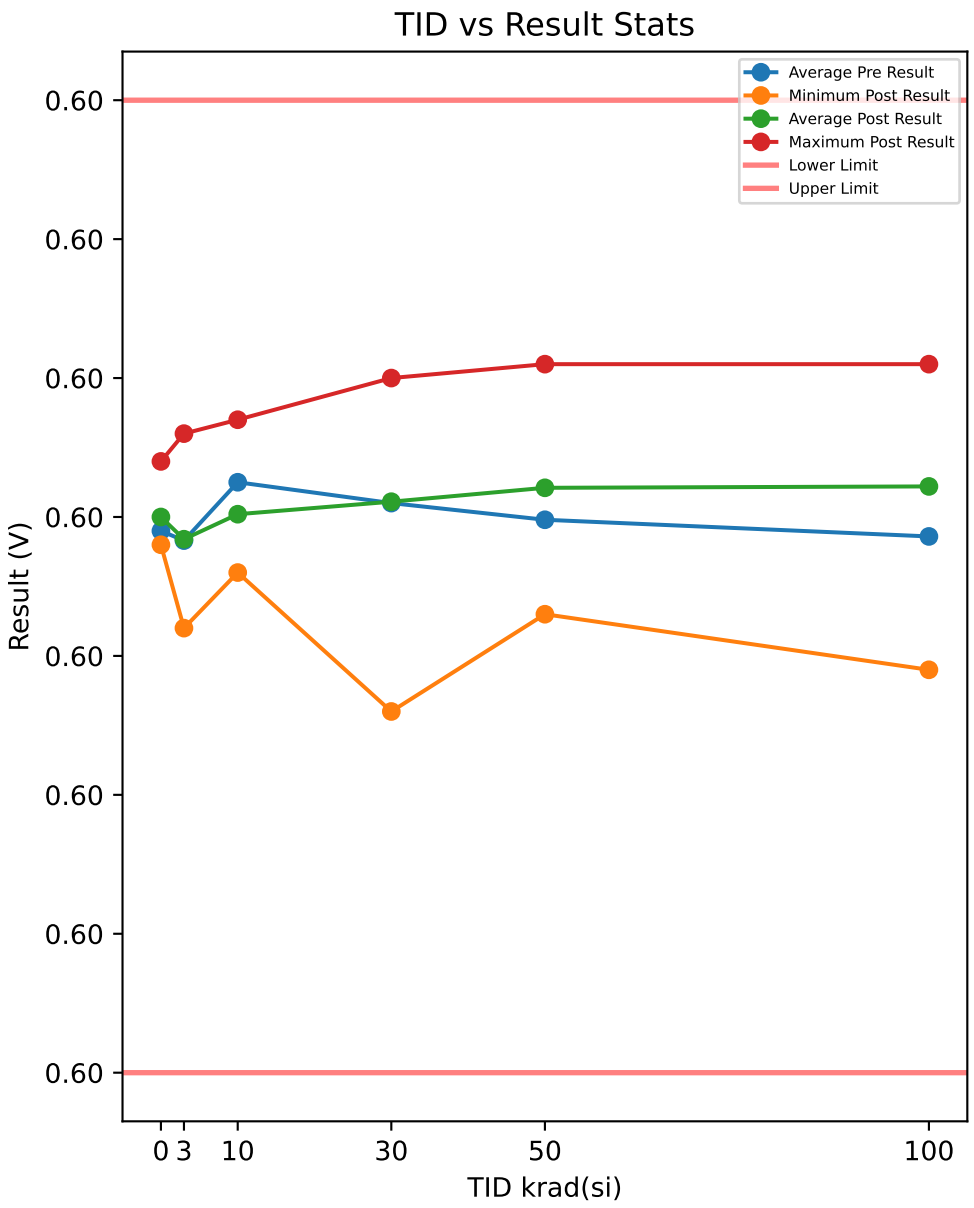
Test Results (Upper Limit = 2.9 (mV))

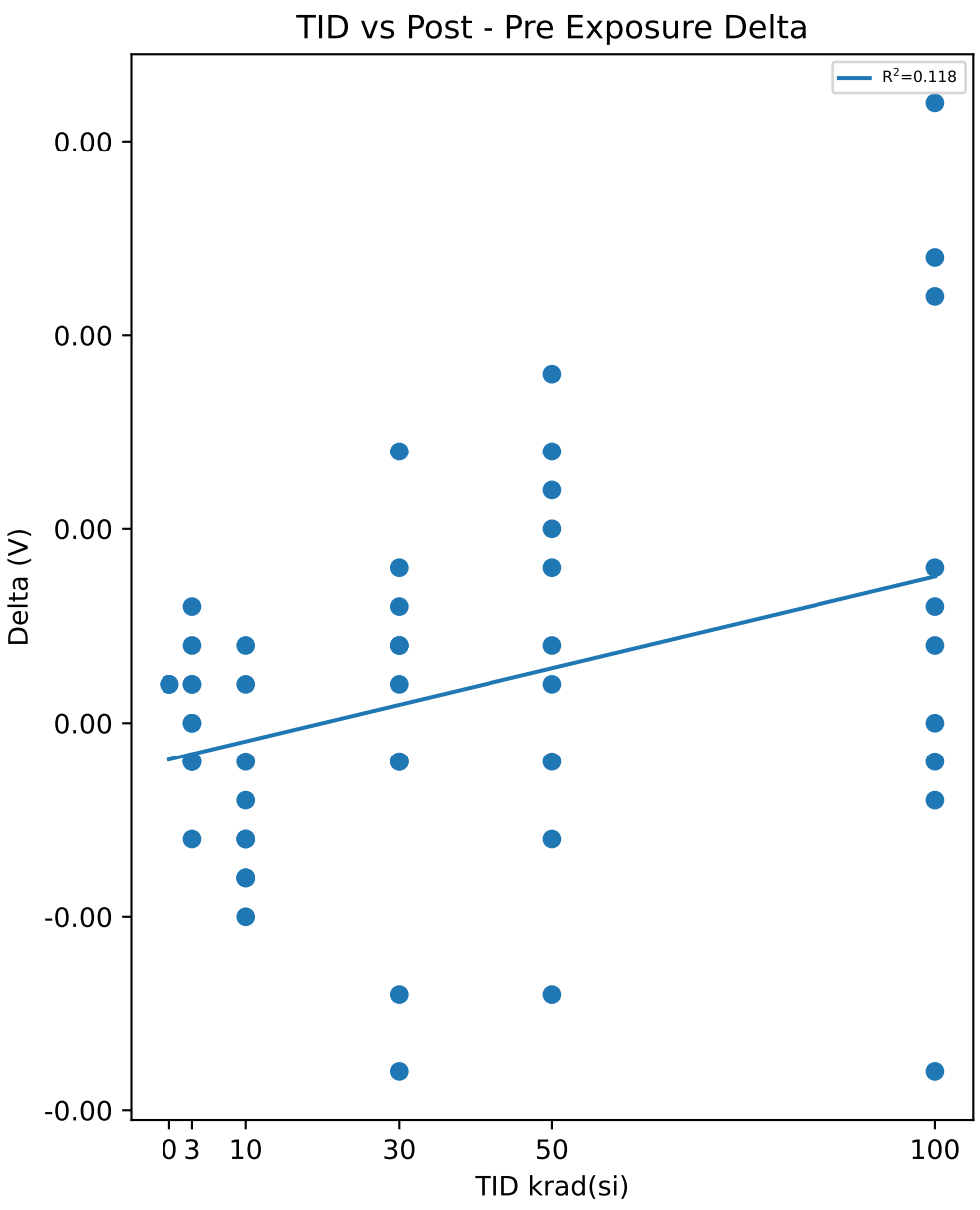
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
390	100	Biased	0.6082	0.8371	0.2289
392	100	Biased	0.4035	0.7225	0.319
393	100	Biased	-0.2199	-0.0045	0.2154
394	100	Biased	-0.1194	-0.0672	0.0522
395	100	Biased	-0.818	-0.5769	0.2411
412	100	Unbiased	-0.7484	-0.5047	0.2437
413	100	Unbiased	0.3634	0.6352	0.2718
414	100	Unbiased	-1.4369	-1.1525	0.2844
415	100	Unbiased	-0.6589	-0.7272	-0.0683
416	100	Unbiased	-0.1137	0.0155	0.1292
417	50	Biased	-0.65	-0.4827	0.1673
418	50	Biased	-0.8236	-0.7207	0.1029
419	50	Biased	-0.8217	-0.6027	0.219
421	50	Biased	-0.815	-0.5572	0.2578
422	50	Biased	0.1168	0.1055	-0.0113
423	50	Unbiased	0.585	0.5654	-0.0196
424	50	Unbiased	0.4308	0.6221	0.1913
425	50	Unbiased	-0.0729	0.061	0.1339
426	50	Unbiased	-0.1145	0.0043	0.1188
427	50	Unbiased	1.2335	1.213	-0.0205
463	0	Corr	0.1207	0.2278	0.1071
464	0	Corr	-0.5124	-0.445	0.0674
465	0	Corr	-0.2591	-0.121	0.1381
466	30	Biased	0.0942	0.1871	0.0929
469	30	Biased	-0.6342	-0.5771	0.0571
470	30	Biased	-1.4107	-1.1717	0.239
472	30	Biased	-0.0431	0.0677	0.1108
474	30	Biased	0.1119	0.2755	0.1636
475	30	Unbiased	-0.1699	-0.1445	0.0254
477	30	Unbiased	0.8834	1.0733	0.1899
478	30	Unbiased	-1.9058	-1.8566	0.0492
479	30	Unbiased	-0.5439	-0.3728	0.1711
480	30	Unbiased	0.6431	0.6754	0.0323
481	10	Biased	-0.1738	-0.135	0.0388
482	10	Biased	-0.4837	-0.4769	0.0068
483	10	Biased	0.4461	0.4608	0.0147
484	10	Biased	-0.1017	-0.066	0.0357
485	10	Biased	0.4802	0.4075	-0.0727
487	10	Unbiased	0.0302	0.0104	-0.0198
488	10	Unbiased	-0.6651	-0.6549	0.0102
489	10	Unbiased	-0.8933	-0.9894	-0.0961
490	10	Unbiased	-1.1142	-1.1135	0.0007
491	10	Unbiased	-1.3659	-1.3739	-0.008
492	3	Biased	0.2636	0.2801	0.0165
493	3	Biased	-0.2469	-0.123	0.1239
494	3	Biased	0.3724	0.4343	0.0619
495	3	Biased	-1.359	-1.3135	0.0455
496	3	Biased	0.2255	0.0651	-0.1604
497	3	Unbiased	-0.4708	-0.3939	0.0769
498	3	Unbiased	0.4125	0.3062	-0.1063
499	3	Unbiased	-0.5577	-0.4155	0.1422
500	3	Unbiased	0.8797	1.0527	0.173
502	3	Unbiased	0.0358	0.1206	0.0848

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	-0.5124	-0.21693	0.1207	0.31865	-0.445	-0.11273	0.2278	0.33648	0.0674	0.1042	0.1381	0.035439
3	-1.359	-0.04449	0.8797	0.63465	-1.3135	0.00131	1.0527	0.62858	-0.1604	0.0458	0.173	0.10585
10	-1.3659	-0.38412	0.4802	0.63043	-1.3739	-0.39309	0.4608	0.63409	-0.0961	-0.00897	0.0388	0.043867
30	-1.9058	-0.2975	0.8834	0.8616	-1.8566	-0.18437	1.0733	0.86258	0.0254	0.11313	0.239	0.074174
50	-0.8236	-0.09316	1.2335	0.70197	-0.7207	0.0208	1.213	0.63375	-0.0205	0.11396	0.2578	0.10149
100	-1.4369	-0.27401	0.6082	0.6427	-1.1525	-0.08227	0.8371	0.66733	-0.0683	0.19174	0.319	0.11985

Device Test: 17.27 VREF_25C(LEVEL|STATIC/SS_TR/14////@VREF_25C)





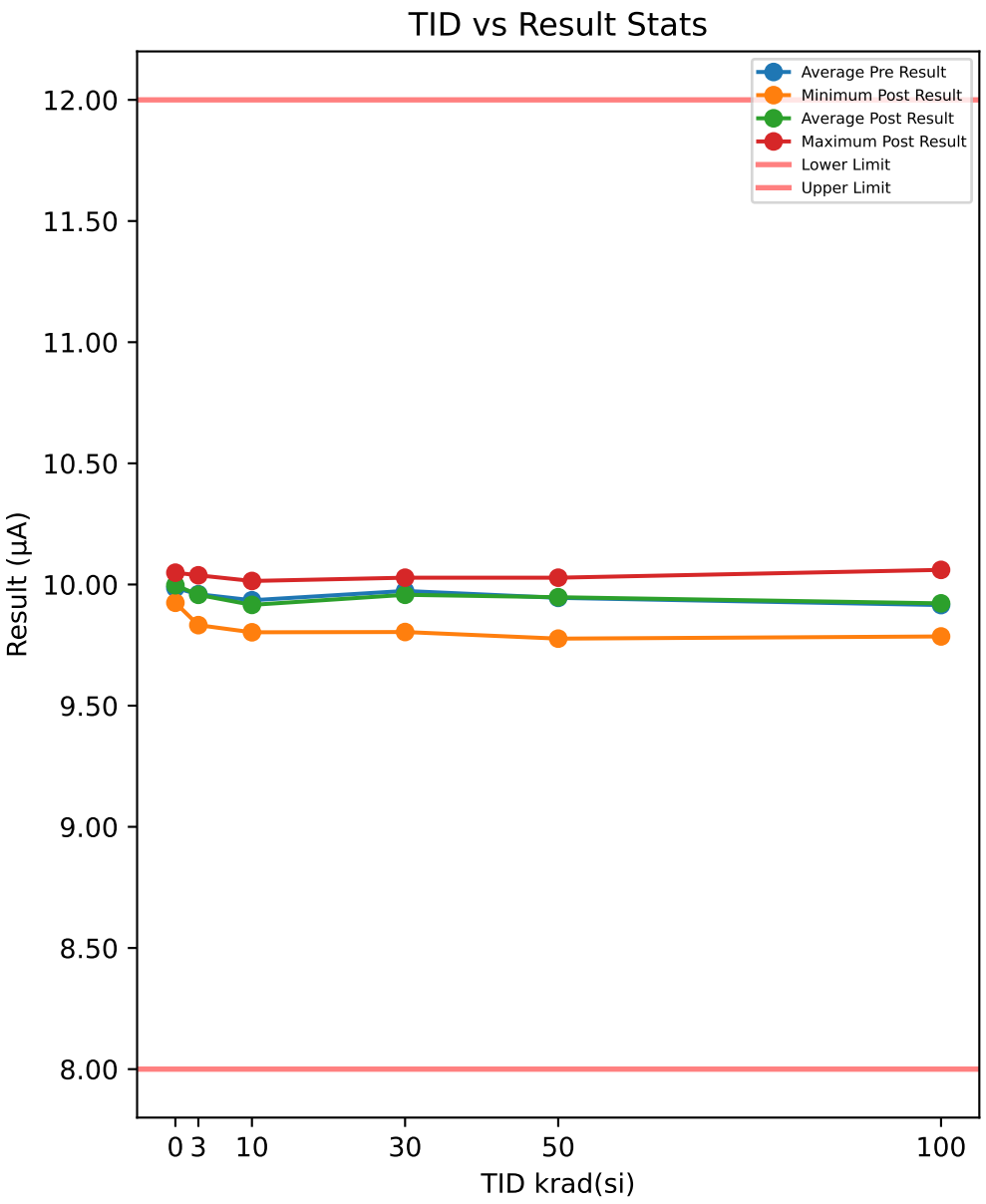
Test Results (Lower Limit = 0.596, Upper Limit = 0.603 (V))

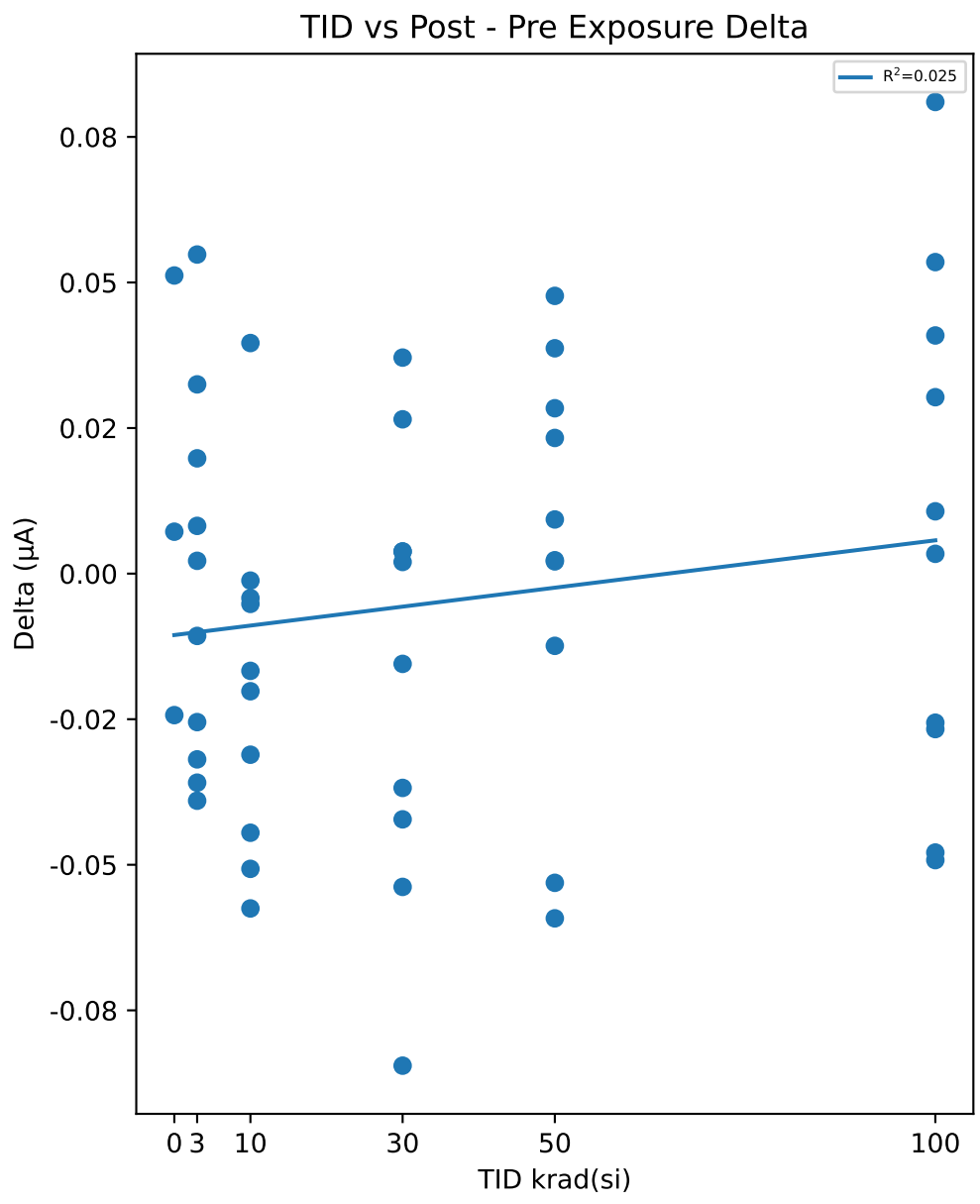
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
390	100	Biased	0.6005	0.6009	0.0004
392	100	Biased	0.5999	0.6011	0.0012
393	100	Biased	0.5993	0.5992	-0.0001
394	100	Biased	0.5999	0.601	0.0011
395	100	Biased	0.6	0.5998	-0.0002
412	100	Unbiased	0.6006	0.6006	0
413	100	Unbiased	0.5998	0.5989	-0.0009
414	100	Unbiased	0.5997	0.5999	0.0002
415	100	Unbiased	0.5995	0.5998	0.0003
416	100	Unbiased	0.5994	0.601	0.0016
417	50	Biased	0.6002	0.6004	0.0002
418	50	Biased	0.5993	0.5998	0.0005
419	50	Biased	0.5997	0.5998	0.0001
421	50	Biased	0.6004	0.5997	-0.0007
422	50	Biased	0.6004	0.6011	0.0007
423	50	Unbiased	0.6003	0.6	-0.0003
424	50	Unbiased	0.6001	0.601	0.0009
425	50	Unbiased	0.5995	0.6001	0.0006
426	50	Unbiased	0.6005	0.6009	0.0004
427	50	Unbiased	0.5994	0.5993	-0.0001
463	0	Corr	0.5997	0.5998	0.0001
464	0	Corr	0.6003	0.6004	0.0001
465	0	Corr	0.5997	0.5998	0.0001
466	30	Biased	0.6006	0.6008	0.0002
469	30	Biased	0.6003	0.601	0.0007
470	30	Biased	0.5998	0.6002	0.0004
472	30	Biased	0.5999	0.5998	-0.0001
474	30	Biased	0.6003	0.6004	0.0001
475	30	Unbiased	0.6	0.6003	0.0003
477	30	Unbiased	0.6	0.6002	0.0002
478	30	Unbiased	0.6002	0.5995	-0.0007
479	30	Unbiased	0.5995	0.5986	-0.0009
480	30	Unbiased	0.6004	0.6003	-0.0001
481	10	Biased	0.6002	0.6004	0.0002
482	10	Biased	0.6006	0.6005	-0.0001
483	10	Biased	0.6011	0.6007	-0.0004
484	10	Biased	0.5996	0.5997	0.0001
485	10	Biased	0.5999	0.5996	-0.0003
487	10	Unbiased	0.6003	0.5999	-0.0004
488	10	Unbiased	0.5999	0.5997	-0.0002
489	10	Unbiased	0.6001	0.5996	-0.0005
490	10	Unbiased	0.6002	0.5998	-0.0004
491	10	Unbiased	0.6006	0.6003	-0.0003
492	3	Biased	0.5993	0.5992	-0.0001
493	3	Biased	0.6005	0.6006	0.0001
494	3	Biased	0.5997	0.5996	-0.0001
495	3	Biased	0.5999	0.6002	0.0003
496	3	Biased	0.5996	0.5993	-0.0003
497	3	Unbiased	0.5993	0.5992	-0.0001
498	3	Unbiased	0.6001	0.6001	0
499	3	Unbiased	0.5997	0.5997	0
500	3	Unbiased	0.6005	0.6006	0.0001
502	3	Unbiased	0.5997	0.5999	0.0002

Test Statistics (V)

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	0.5997	0.5999	0.6003	0.00034641	0.5998	0.6	0.6004	0.00034641	0.0001	0.0001	0.0001	6.41e-17
3	0.5993	0.59983	0.6005	0.00042701	0.5992	0.59984	0.6006	0.00053166	-0.0003	1e-05	0.0003	0.00017288
10	0.5996	0.60025	0.6011	0.00043012	0.5996	0.60002	0.6007	0.00041312	-0.0005	-0.00023	0.0002	0.00023118
30	0.5995	0.6001	0.6006	0.00032318	0.5986	0.60011	0.601	0.00068223	-0.0009	1e-05	0.0007	0.00048865
50	0.5993	0.59998	0.6005	0.00045898	0.5993	0.60021	0.6011	0.00061545	-0.0007	0.00023	0.0009	0.00049227
100	0.5993	0.59986	0.6006	0.00042999	0.5989	0.60022	0.6011	0.00080526	-0.0009	0.00036	0.0016	0.00075011

Device Test: 17.28 VSNSM_CURR(IDD|POWERED/VSNSN/14////@VSNSM_CURR)





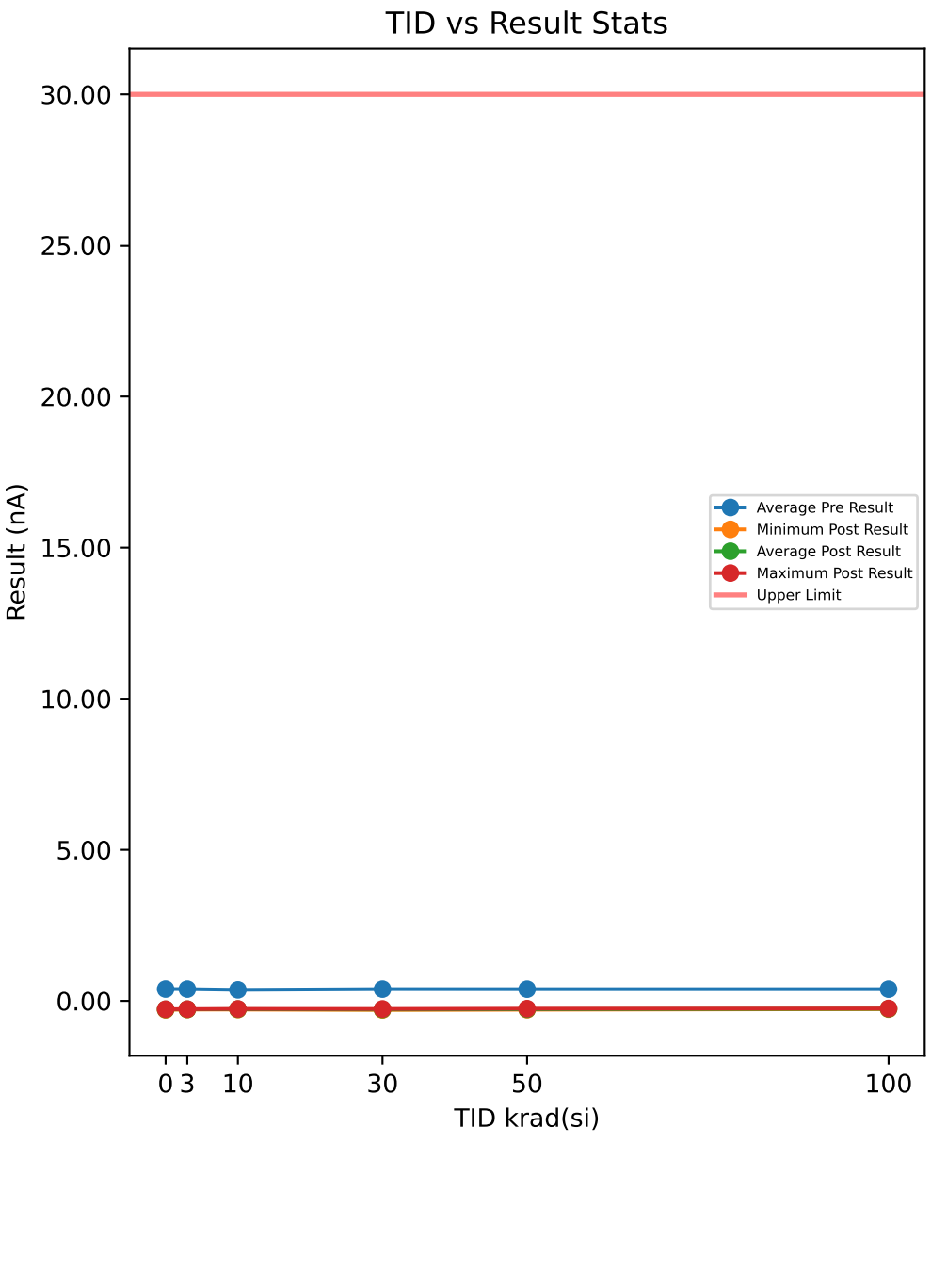
Test Results (Lower Limit = 8.0, Upper Limit = 12.0 (µA))

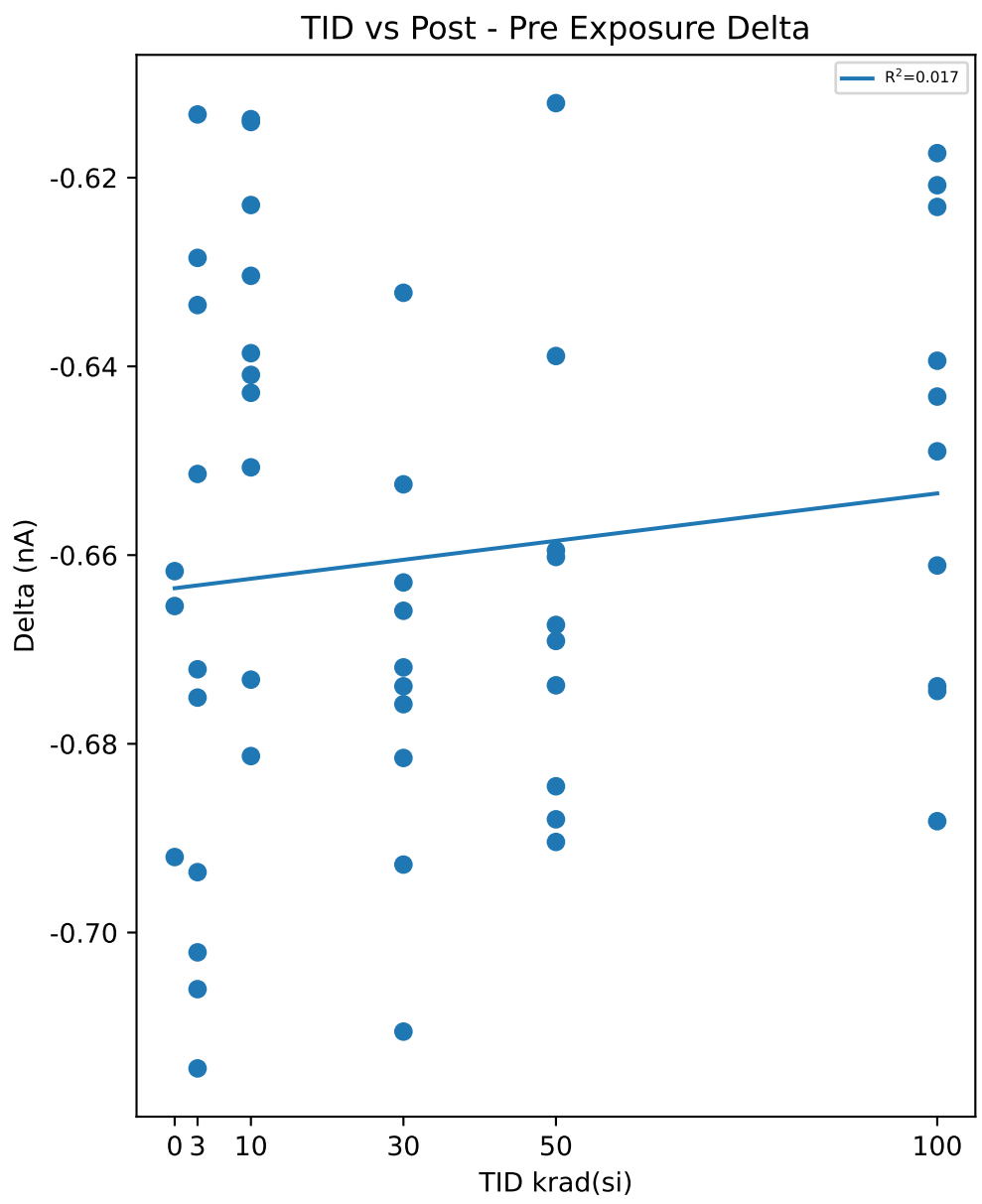
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
390	100	Biased	9.9708	9.9742	0.0034
392	100	Biased	10.051	10.003	-0.0479
393	100	Biased	9.9166	9.9469	0.0303
394	100	Biased	10.006	10.059	0.0535
395	100	Biased	9.9158	9.9265	0.0107
412	100	Unbiased	9.878	9.8288	-0.0492
413	100	Unbiased	9.7447	9.7856	0.0409
414	100	Unbiased	9.9794	10.06	0.081
415	100	Unbiased	9.8515	9.8248	-0.0267
416	100	Unbiased	9.8383	9.8127	-0.0256
417	50	Biased	10.081	10.028	-0.0531
418	50	Biased	9.951	9.9897	0.0387
419	50	Biased	9.9959	10.024	0.0284
421	50	Biased	9.8659	9.8752	0.0093
422	50	Biased	9.9946	10.018	0.0233
423	50	Unbiased	9.8496	9.8973	0.0477
424	50	Unbiased	9.8358	9.7766	-0.0592
425	50	Unbiased	10.005	10.007	0.0021
426	50	Unbiased	10.033	10.021	-0.0124
427	50	Unbiased	9.8364	9.8387	0.0023
463	0	Corr	9.8734	9.9246	0.0512
464	0	Corr	10.042	10.049	0.0072
465	0	Corr	10.042	10.018	-0.0243
466	30	Biased	10.05	10.008	-0.0422
469	30	Biased	9.9009	9.9047	0.0038
470	30	Biased	9.9	9.8845	-0.0155
472	30	Biased	10.053	10.016	-0.0368
474	30	Biased	9.9895	9.9933	0.0038
475	30	Unbiased	10.002	10.028	0.0265
477	30	Unbiased	9.9548	9.9919	0.0371
478	30	Unbiased	10.041	9.987	-0.0538
479	30	Unbiased	9.8884	9.8039	-0.0845
480	30	Unbiased	9.9554	9.9574	0.002
481	10	Biased	10.039	9.9878	-0.0507
482	10	Biased	9.975	10.015	0.0396
483	10	Biased	9.804	9.8028	-0.0012
484	10	Biased	9.9392	9.8947	-0.0445
485	10	Biased	9.8511	9.8469	-0.0042
487	10	Unbiased	9.9917	9.9865	-0.0052
488	10	Unbiased	9.8731	9.8564	-0.0167
489	10	Unbiased	10.004	9.9461	-0.0575
490	10	Unbiased	9.9766	9.9455	-0.0311
491	10	Unbiased	9.8973	9.8771	-0.0202
492	3	Biased	9.9676	9.9357	-0.0319
493	3	Biased	9.7775	9.8323	0.0548
494	3	Biased	9.9593	9.9615	0.0022
495	3	Biased	9.997	10.005	0.0082
496	3	Biased	10.01	9.9737	-0.0359
497	3	Unbiased	10.018	10.038	0.0198
498	3	Unbiased	9.9683	10.001	0.0325
499	3	Unbiased	10.037	10.027	-0.0107
500	3	Unbiased	9.9989	9.9599	-0.039
502	3	Unbiased	9.8658	9.8403	-0.0255

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	9.8734	9.9856	10.042	0.097197	9.9246	9.997	10.049	0.064612	-0.0243	0.011367	0.0512	0.037922
3	9.7775	9.96	10.037	0.079601	9.8323	9.9574	10.038	0.071172	-0.039	-0.00255	0.0548	0.031711
10	9.804	9.935	10.039	0.075597	9.8028	9.9158	10.015	0.070499	-0.0575	-0.01917	0.0396	0.028772
30	9.8884	9.9735	10.053	0.063571	9.8039	9.9575	10.028	0.071513	-0.0845	-0.01596	0.0371	0.037968
50	9.8358	9.9448	10.081	0.090733	9.7766	9.9476	10.028	0.092401	-0.0592	0.00271	0.0477	0.035937
100	9.7447	9.9152	10.051	0.090805	9.7856	9.9222	10.06	0.10359	-0.0492	0.00704	0.081	0.044382

Device Test: 17.29 VSNSP_LKG_CURR_0P6V(LEAK|POWERED/VSNSP/14////@VSNSP_LKG_CURR_0P6V)





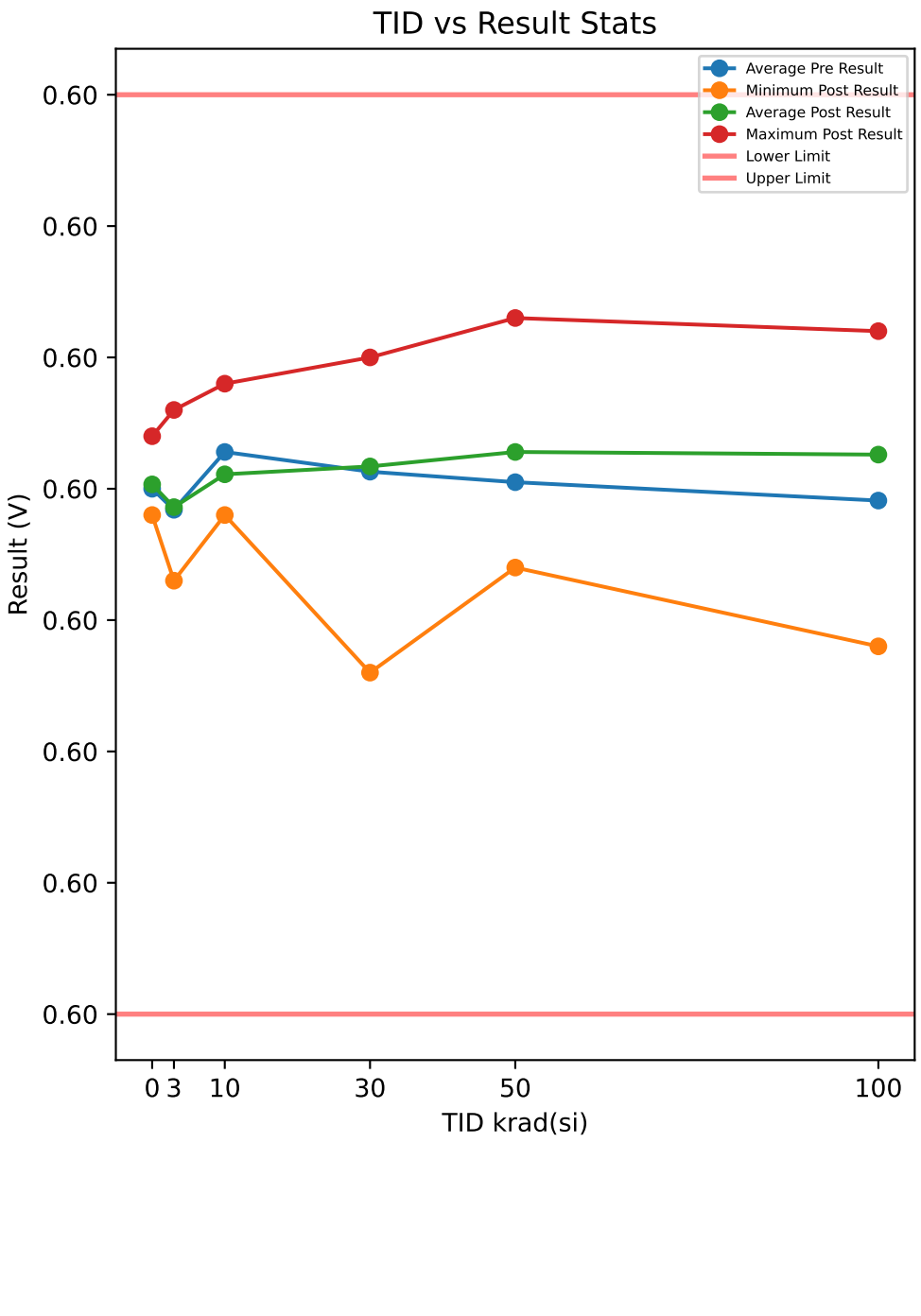
Test Results (Upper Limit = 30.0 (nA))

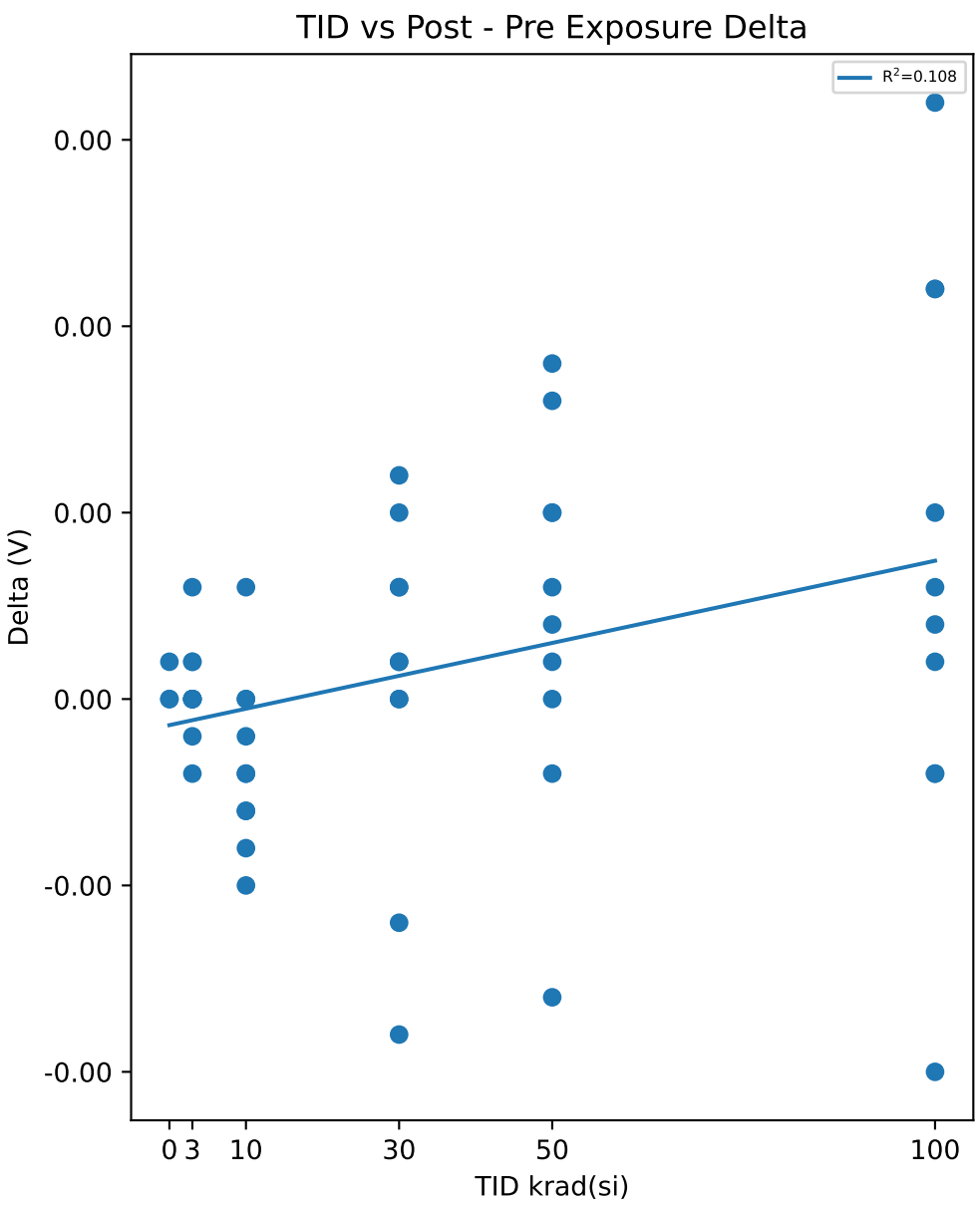
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
390	100	Biased	0.4244	-0.2638	-0.6882
392	100	Biased	0.3878	-0.2612	-0.649
393	100	Biased	0.4026	-0.2718	-0.6744
394	100	Biased	0.3839	-0.2593	-0.6432
395	100	Biased	0.3977	-0.2634	-0.6611
412	100	Unbiased	0.3687	-0.2544	-0.6231
413	100	Unbiased	0.3659	-0.2515	-0.6174
414	100	Unbiased	0.3858	-0.2536	-0.6394
415	100	Unbiased	0.3584	-0.2624	-0.6208
416	100	Unbiased	0.4073	-0.2666	-0.6739
417	50	Biased	0.3689	-0.2913	-0.6602
418	50	Biased	0.3547	-0.2574	-0.6121
419	50	Biased	0.3688	-0.2907	-0.6595
421	50	Biased	0.4046	-0.2692	-0.6738
422	50	Biased	0.3779	-0.2895	-0.6674
423	50	Unbiased	0.4035	-0.2845	-0.688
424	50	Unbiased	0.3972	-0.2873	-0.6845
425	50	Unbiased	0.3995	-0.2696	-0.6691
426	50	Unbiased	0.3734	-0.2655	-0.6389
427	50	Unbiased	0.4288	-0.2616	-0.6904
463	0	Corr	0.3872	-0.2745	-0.6617
464	0	Corr	0.3968	-0.2952	-0.692
465	0	Corr	0.3897	-0.2757	-0.6654
466	30	Biased	0.3873	-0.2866	-0.6739
469	30	Biased	0.355	-0.2772	-0.6322
470	30	Biased	0.396	-0.2669	-0.6629
472	30	Biased	0.3642	-0.2883	-0.6525
474	30	Biased	0.4078	-0.2737	-0.6815
475	30	Unbiased	0.4164	-0.2941	-0.7105
477	30	Unbiased	0.4048	-0.271	-0.6758
478	30	Unbiased	0.3872	-0.2847	-0.6719
479	30	Unbiased	0.3668	-0.2991	-0.6659
480	30	Unbiased	0.406	-0.2868	-0.6928
481	10	Biased	0.3419	-0.2722	-0.6141
482	10	Biased	0.3651	-0.2735	-0.6386
483	10	Biased	0.3824	-0.2683	-0.6507
484	10	Biased	0.3597	-0.2831	-0.6428
485	10	Biased	0.4026	-0.2787	-0.6813
487	10	Unbiased	0.3599	-0.2705	-0.6304
488	10	Unbiased	0.3911	-0.2821	-0.6732
489	10	Unbiased	0.3578	-0.2651	-0.6229
490	10	Unbiased	0.3409	-0.2729	-0.6138
491	10	Unbiased	0.3542	-0.2867	-0.6409
492	3	Biased	0.3916	-0.2805	-0.6721
493	3	Biased	0.4199	-0.2822	-0.7021
494	3	Biased	0.3352	-0.2781	-0.6133
495	3	Biased	0.43	-0.276	-0.706
496	3	Biased	0.4119	-0.2817	-0.6936
497	3	Unbiased	0.4396	-0.2748	-0.7144
498	3	Unbiased	0.3895	-0.2856	-0.6751
499	3	Unbiased	0.3678	-0.2836	-0.6514
500	3	Unbiased	0.3609	-0.2726	-0.6335
502	3	Unbiased	0.3521	-0.2764	-0.6285

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	0.3872	0.39123	0.3968	0.0049803	-0.2952	-0.2818	-0.2745	0.01162	-0.692	-0.67303	-0.6617	0.016529
3	0.3352	0.38985	0.4396	0.035301	-0.2856	-0.27915	-0.2726	0.0042091	-0.7144	-0.669	-0.6133	0.035731
10	0.3409	0.36556	0.4026	0.020362	-0.2867	-0.27531	-0.2651	0.0070181	-0.6813	-0.64087	-0.6138	0.022773
30	0.355	0.38915	0.4164	0.02098	-0.2991	-0.28284	-0.2669	0.010349	-0.7105	-0.67199	-0.6322	0.021363
50	0.3547	0.38773	0.4288	0.022495	-0.2913	-0.27666	-0.2574	0.013245	-0.6904	-0.66439	-0.6121	0.023999
100	0.3584	0.38825	0.4244	0.020447	-0.2718	-0.2608	-0.2515	0.0062775	-0.6882	-0.64905	-0.6174	0.024807

Device Test: 17.3 VREF_25C(LEVEL|STATIC/SS_TR/4.5////@VREF_25C)





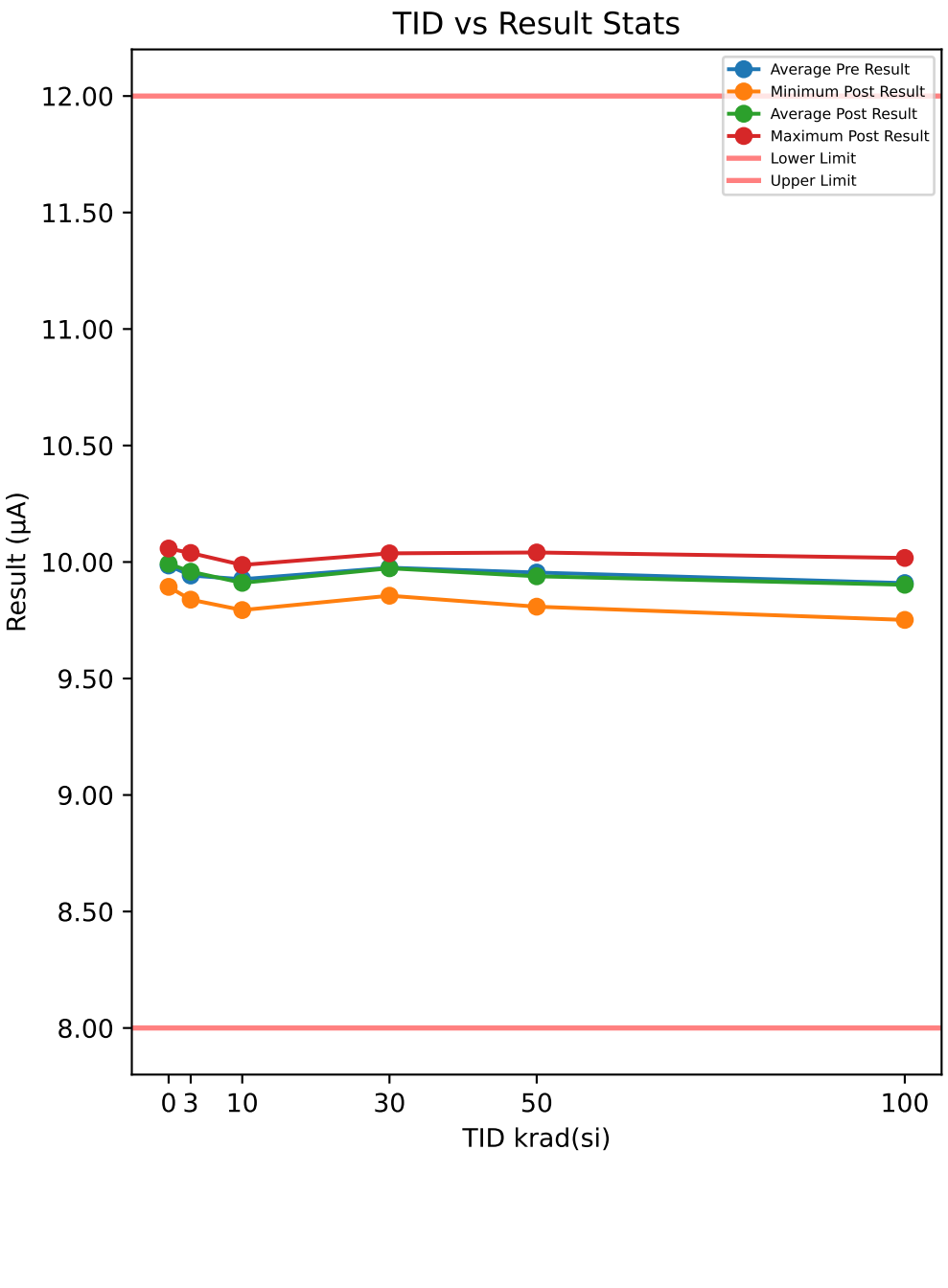
Test Results (Lower Limit = 0.596, Upper Limit = 0.603 (V))

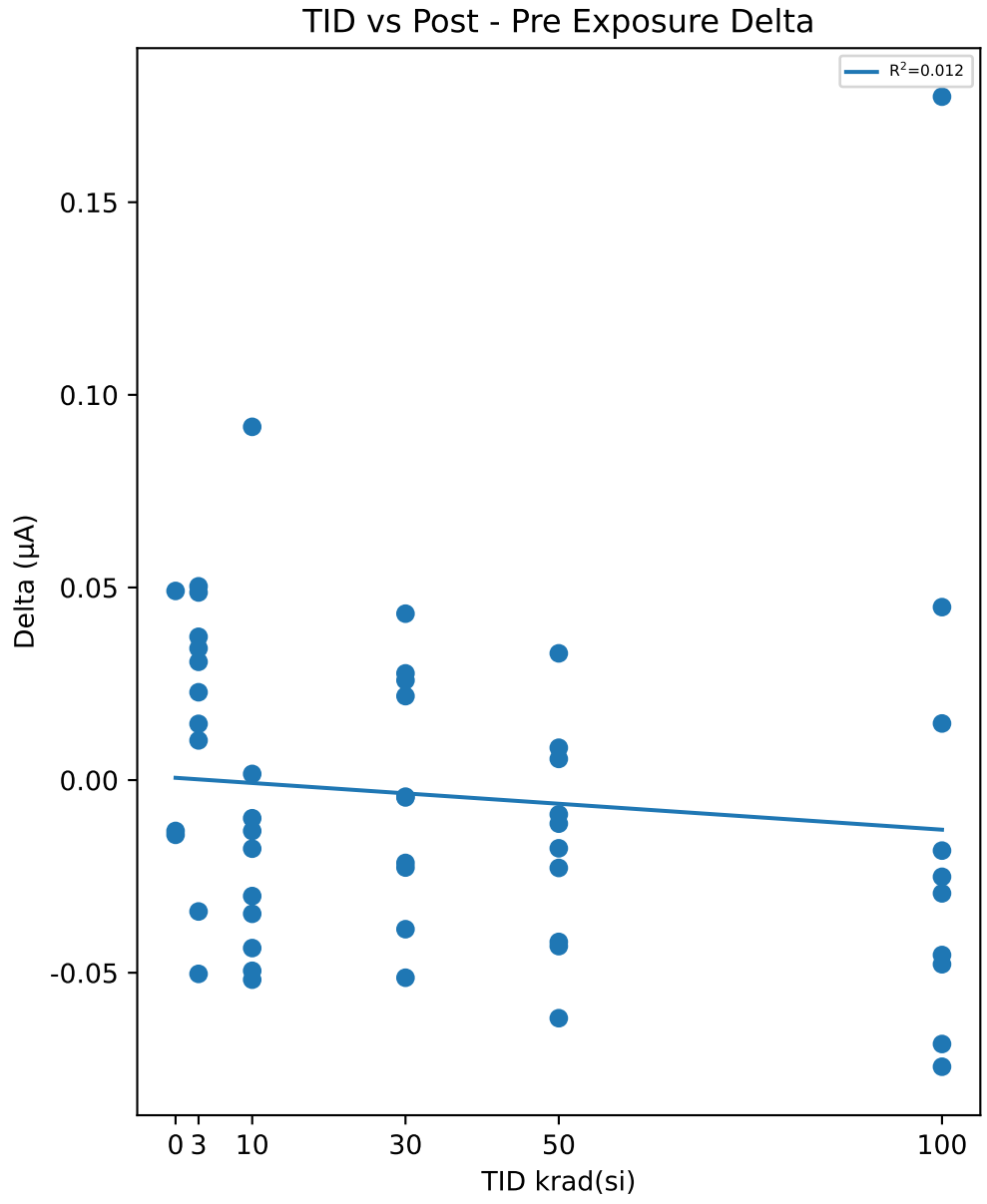
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
390	100	Biased	0.6006	0.6009	0.0003
392	100	Biased	0.6001	0.6012	0.0011
393	100	Biased	0.5994	0.5992	-0.0002
394	100	Biased	0.6	0.6011	0.0011
395	100	Biased	0.6001	0.5999	-0.0002
412	100	Unbiased	0.6006	0.6007	0.0001
413	100	Unbiased	0.5998	0.5988	-0.001
414	100	Unbiased	0.5995	0.6	0.0005
415	100	Unbiased	0.5996	0.5998	0.0002
416	100	Unbiased	0.5994	0.601	0.0016
417	50	Biased	0.6003	0.6005	0.0002
418	50	Biased	0.5993	0.5998	0.0005
419	50	Biased	0.5998	0.5999	0.0001
421	50	Biased	0.6005	0.5997	-0.0008
422	50	Biased	0.6005	0.6013	0.0008
423	50	Unbiased	0.6003	0.6001	-0.0002
424	50	Unbiased	0.6001	0.601	0.0009
425	50	Unbiased	0.5998	0.6001	0.0003
426	50	Unbiased	0.6005	0.601	0.0005
427	50	Unbiased	0.5994	0.5994	0
463	0	Corr	0.5998	0.5998	0
464	0	Corr	0.6004	0.6004	0
465	0	Corr	0.5998	0.5999	0.0001
466	30	Biased	0.6007	0.6007	0
469	30	Biased	0.6004	0.601	0.0006
470	30	Biased	0.5997	0.6002	0.0005
472	30	Biased	0.6	0.6	0
474	30	Biased	0.6003	0.6004	0.0001
475	30	Unbiased	0.6002	0.6005	0.0003
477	30	Unbiased	0.6	0.6003	0.0003
478	30	Unbiased	0.6002	0.5996	-0.0006
479	30	Unbiased	0.5995	0.5986	-0.0009
480	30	Unbiased	0.6003	0.6004	0.0001
481	10	Biased	0.6003	0.6003	0
482	10	Biased	0.6006	0.6006	0
483	10	Biased	0.6011	0.6008	-0.0003
484	10	Biased	0.5996	0.5999	0.0003
485	10	Biased	0.5999	0.5998	-0.0001
487	10	Unbiased	0.6002	0.6	-0.0002
488	10	Unbiased	0.6	0.5998	-0.0002
489	10	Unbiased	0.6002	0.5998	-0.0004
490	10	Unbiased	0.6003	0.5998	-0.0005
491	10	Unbiased	0.6006	0.6003	-0.0003
492	3	Biased	0.5993	0.5993	0
493	3	Biased	0.6006	0.6006	0
494	3	Biased	0.5997	0.5997	0
495	3	Biased	0.5998	0.6001	0.0003
496	3	Biased	0.5996	0.5994	-0.0002
497	3	Unbiased	0.5993	0.5993	0
498	3	Unbiased	0.6001	0.6001	0
499	3	Unbiased	0.5998	0.5997	-0.0001
500	3	Unbiased	0.6005	0.6006	0.0001
502	3	Unbiased	0.5997	0.5998	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	0.5998	0.6	0.6004	0.00034641	0.5998	0.60003	0.6004	0.00032146	0	3.3333e-05	0.0001	5.7735e-05
3	0.5993	0.59984	0.6006	0.00044272	0.5993	0.59986	0.6006	0.00048351	-0.0002	2e-05	0.0003	0.00013166
10	0.5996	0.60028	0.6011	0.00041846	0.5998	0.60011	0.6008	0.00036953	-0.0005	-0.00017	0.0003	0.00023118
30	0.5995	0.60013	0.6007	0.00034657	0.5986	0.60017	0.601	0.00066841	-0.0009	4e-05	0.0006	0.00046714
50	0.5993	0.60005	0.6005	0.00045277	0.5994	0.60028	0.6013	0.0006391	-0.0008	0.00023	0.0009	0.000499
100	0.5994	0.59991	0.6006	0.0004508	0.5988	0.60026	0.6012	0.00084354	-0.001	0.00035	0.0016	0.00076194

Device Test: 17.4 VSNSM_CURR(IDD|POWERED/VSNSN/4.5////@VSNSM_CURR)





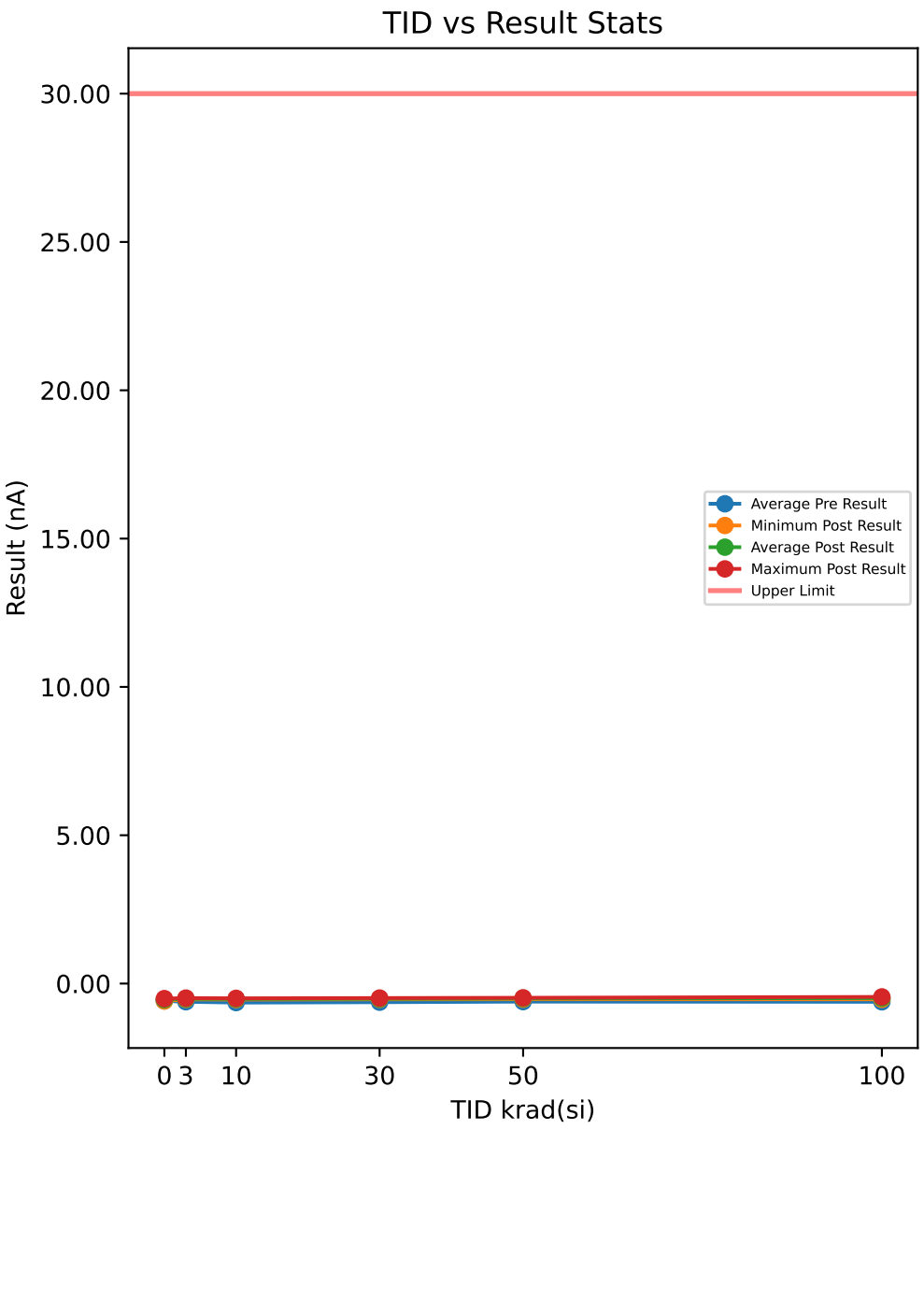
Test Results (Lower Limit = 8.0, Upper Limit = 12.0 (µA))

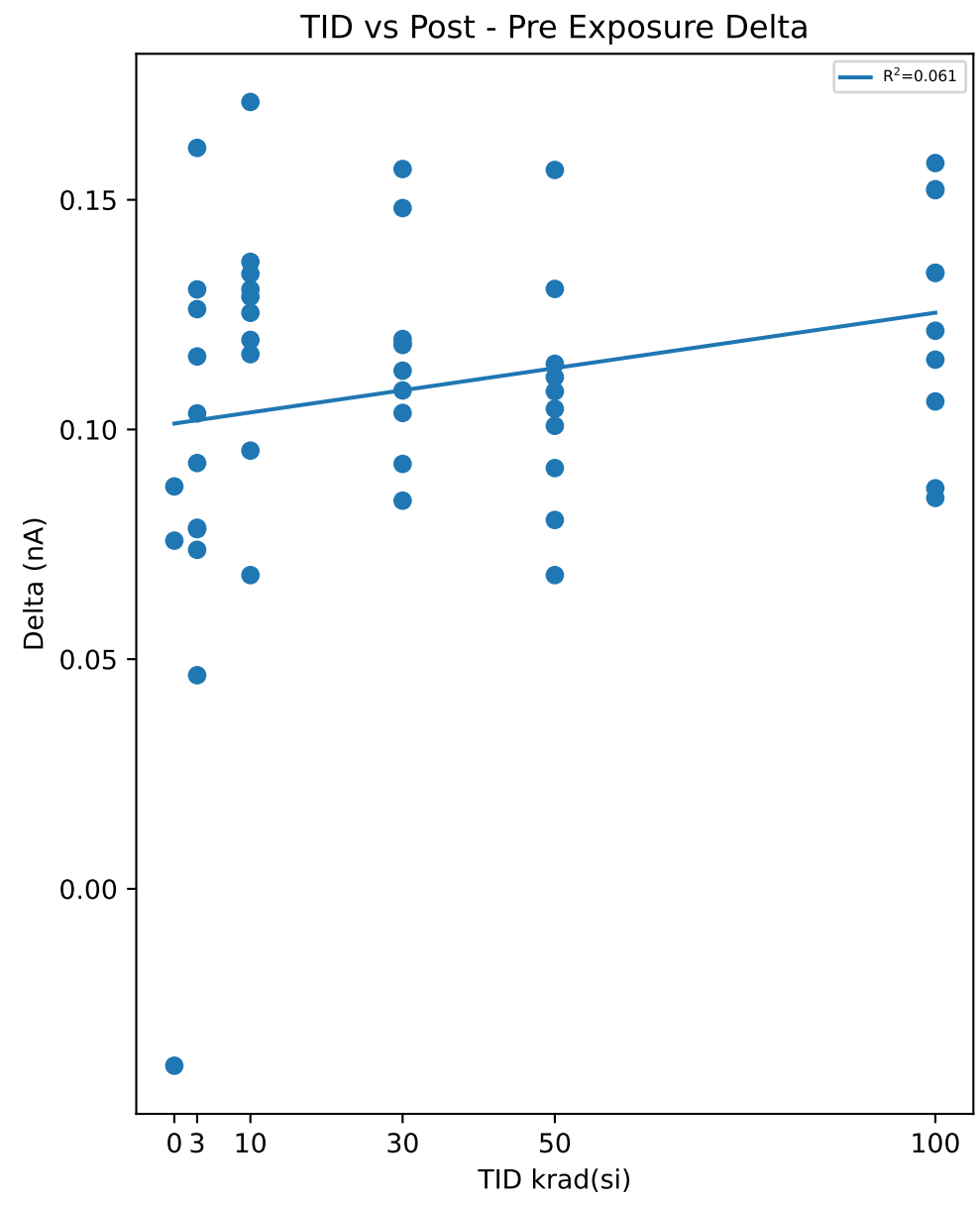
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
390	100	Biased	10.011	9.963	-0.0478
392	100	Biased	9.8218	9.9992	0.1774
393	100	Biased	9.9494	9.8809	-0.0685
394	100	Biased	10.043	10.017	-0.0251
395	100	Biased	9.9366	9.9513	0.0147
412	100	Unbiased	9.8692	9.8509	-0.0183
413	100	Unbiased	9.7066	9.7515	0.0449
414	100	Unbiased	10.031	10.001	-0.0294
415	100	Unbiased	9.8656	9.7912	-0.0744
416	100	Unbiased	9.8615	9.8161	-0.0454
417	50	Biased	10.043	10.032	-0.0113
418	50	Biased	10.012	9.9688	-0.0431
419	50	Biased	9.997	9.9793	-0.0177
421	50	Biased	9.8701	9.8083	-0.0618
422	50	Biased	10.036	9.9936	-0.042
423	50	Unbiased	9.8604	9.8933	0.0329
424	50	Unbiased	9.8309	9.8364	0.0055
425	50	Unbiased	10.017	10.008	-0.0089
426	50	Unbiased	10.032	10.041	0.0084
427	50	Unbiased	9.8496	9.8268	-0.0228
463	0	Corr	9.9075	9.8933	-0.0142
464	0	Corr	10.009	10.058	0.0491
465	0	Corr	10.039	10.026	-0.0132
466	30	Biased	10.058	10.006	-0.0513
469	30	Biased	9.9402	9.9359	-0.0043
470	30	Biased	9.878	9.8553	-0.0227
472	30	Biased	10.059	10.037	-0.0215
474	30	Biased	9.9783	9.9738	-0.0045
475	30	Unbiased	9.9945	10.016	0.0218
477	30	Unbiased	9.9793	9.9406	-0.0387
478	30	Unbiased	10.009	10.037	0.0277
479	30	Unbiased	9.8836	9.9268	0.0432
480	30	Unbiased	9.9763	10.002	0.0259
481	10	Biased	10.004	9.9691	-0.0347
482	10	Biased	9.9953	9.9458	-0.0495
483	10	Biased	9.8455	9.7937	-0.0518
484	10	Biased	9.9348	9.9047	-0.0301
485	10	Biased	9.8576	9.8592	0.0016
487	10	Unbiased	10.001	9.9873	-0.0132
488	10	Unbiased	9.8033	9.895	0.0917
489	10	Unbiased	9.9797	9.9619	-0.0178
490	10	Unbiased	9.9369	9.927	-0.0099
491	10	Unbiased	9.905	9.8614	-0.0436
492	3	Biased	9.9099	9.9202	0.0103
493	3	Biased	9.8238	9.8384	0.0146
494	3	Biased	9.9428	9.9735	0.0307
495	3	Biased	9.9884	10.039	0.0503
496	3	Biased	9.9672	9.99	0.0228
497	3	Unbiased	9.9962	9.9459	-0.0503
498	3	Unbiased	10.006	9.9715	-0.0341
499	3	Unbiased	10.002	10.036	0.0342
500	3	Unbiased	9.9702	10.007	0.0372
502	3	Unbiased	9.8146	9.8633	0.0487

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	9.9075	9.9852	10.039	0.068957	9.8933	9.9924	10.058	0.087293	-0.0142	0.0072333	0.0491	0.036261
3	9.8146	9.9421	10.006	0.071014	9.8384	9.9585	10.039	0.067777	-0.0503	0.01644	0.0503	0.03371
10	9.8033	9.9262	10.004	0.071601	9.7937	9.9105	9.9873	0.060047	-0.0518	-0.01573	0.0917	0.041728
30	9.878	9.9756	10.059	0.061806	9.8553	9.9731	10.037	0.058172	-0.0513	-0.00244	0.0432	0.031386
50	9.8309	9.9548	10.043	0.089285	9.8083	9.9387	10.041	0.089142	-0.0618	-0.01608	0.0329	0.028044
100	9.7066	9.9095	10.043	0.10525	9.7515	9.9023	10.017	0.0967	-0.0744	-0.00719	0.1774	0.074228

Device Test: 17.5 VSNSP_LKG_CURR_0P6V(LEAK|POWERED/VSNSP/4.5////@VSNSP_LKG_CURR_0P6V)





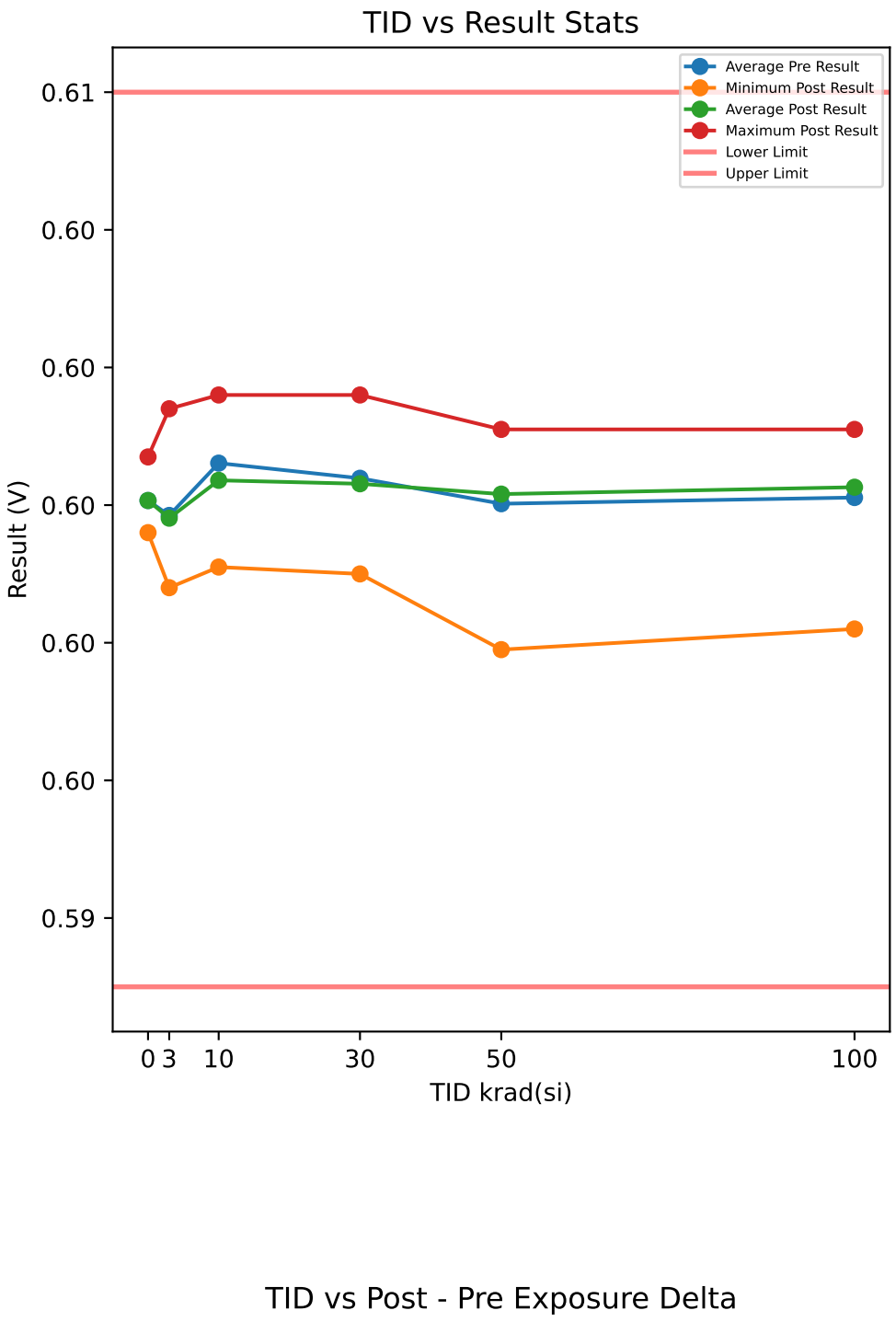
Test Results (Upper Limit = 30.0 (nA))

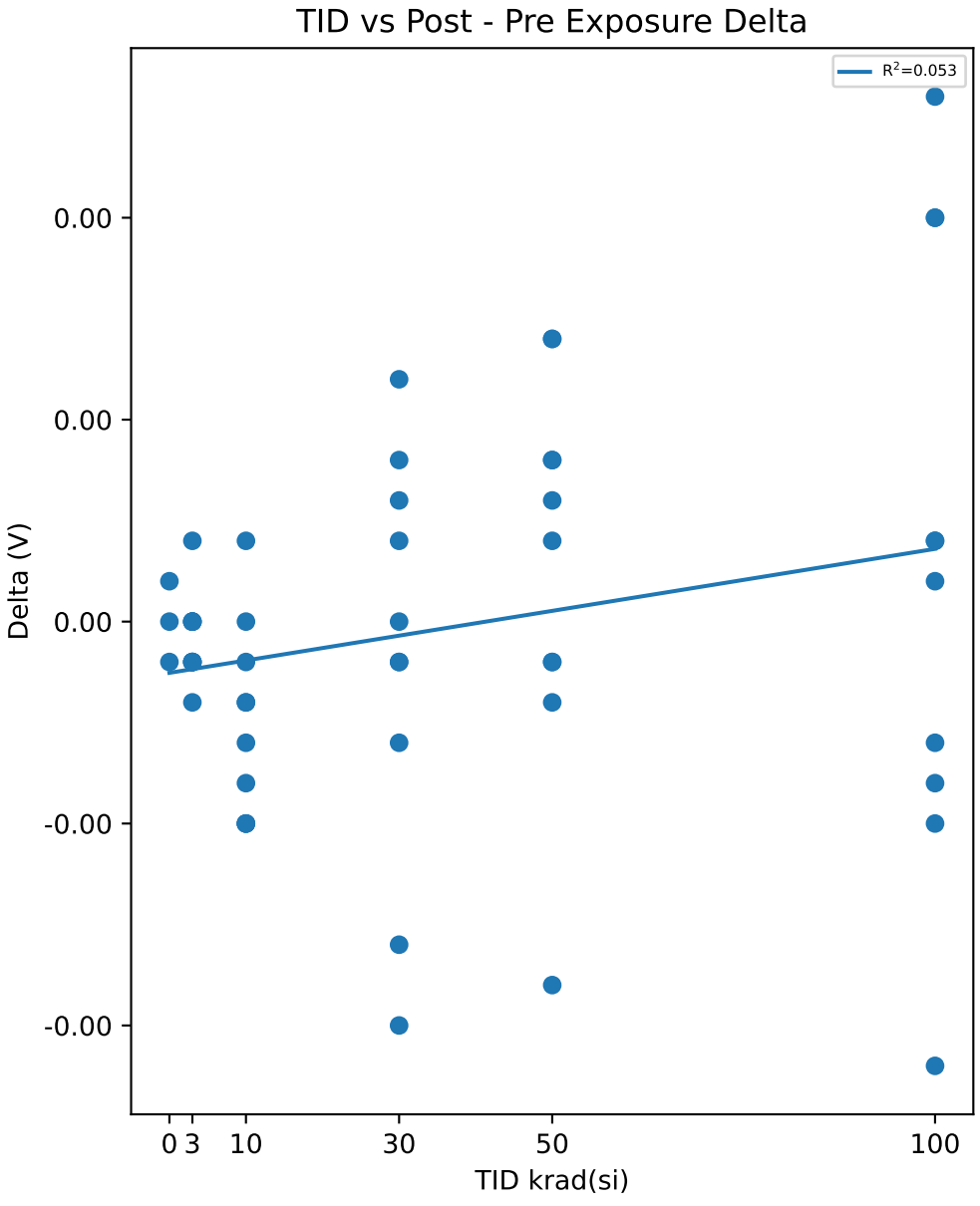
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
390	100	Biased	-0.5915	-0.4763	0.1152
392	100	Biased	-0.6368	-0.5307	0.1061
393	100	Biased	-0.6426	-0.5085	0.1341
394	100	Biased	-0.6129	-0.5257	0.0872
395	100	Biased	-0.6256	-0.4733	0.1523
412	100	Unbiased	-0.5755	-0.4904	0.0851
413	100	Unbiased	-0.6229	-0.4708	0.1521
414	100	Unbiased	-0.6084	-0.4504	0.158
415	100	Unbiased	-0.6334	-0.4993	0.1341
416	100	Unbiased	-0.5967	-0.4752	0.1215
417	50	Biased	-0.6192	-0.5276	0.0916
418	50	Biased	-0.6072	-0.4929	0.1143
419	50	Biased	-0.6073	-0.5065	0.1008
421	50	Biased	-0.6131	-0.5048	0.1083
422	50	Biased	-0.6108	-0.4802	0.1306
423	50	Unbiased	-0.5824	-0.5021	0.0803
424	50	Unbiased	-0.5962	-0.4917	0.1045
425	50	Unbiased	-0.6262	-0.5148	0.1114
426	50	Unbiased	-0.6517	-0.4952	0.1565
427	50	Unbiased	-0.5709	-0.5026	0.0683
463	0	Corr	-0.5504	-0.5889	-0.0385
464	0	Corr	-0.6006	-0.5248	0.0758
465	0	Corr	-0.5944	-0.5068	0.0876
466	30	Biased	-0.6299	-0.5111	0.1188
469	30	Biased	-0.6599	-0.5117	0.1482
470	30	Biased	-0.633	-0.5245	0.1085
472	30	Biased	-0.6292	-0.5256	0.1036
474	30	Biased	-0.6225	-0.53	0.0925
475	30	Unbiased	-0.6361	-0.5164	0.1197
477	30	Unbiased	-0.5953	-0.5108	0.0845
478	30	Unbiased	-0.6453	-0.4886	0.1567
479	30	Unbiased	-0.6075	-0.4891	0.1184
480	30	Unbiased	-0.6204	-0.5076	0.1128
481	10	Biased	-0.6679	-0.5374	0.1305
482	10	Biased	-0.6321	-0.4982	0.1339
483	10	Biased	-0.6386	-0.5021	0.1365
484	10	Biased	-0.6747	-0.5034	0.1713
485	10	Biased	-0.6369	-0.5205	0.1164
487	10	Unbiased	-0.6567	-0.5278	0.1289
488	10	Unbiased	-0.6455	-0.526	0.1195
489	10	Unbiased	-0.6124	-0.517	0.0954
490	10	Unbiased	-0.6638	-0.5384	0.1254
491	10	Unbiased	-0.5798	-0.5115	0.0683
492	3	Biased	-0.6689	-0.5076	0.1613
493	3	Biased	-0.5773	-0.5308	0.0465
494	3	Biased	-0.6327	-0.5065	0.1262
495	3	Biased	-0.5981	-0.5054	0.0927
496	3	Biased	-0.5875	-0.5092	0.0783
497	3	Unbiased	-0.6206	-0.4901	0.1305
498	3	Unbiased	-0.5882	-0.5144	0.0738
499	3	Unbiased	-0.6281	-0.5122	0.1159
500	3	Unbiased	-0.5951	-0.5165	0.0786
502	3	Unbiased	-0.6336	-0.5301	0.1035

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	-0.6006	-0.5818	-0.5504	0.027369	-0.5889	-0.54017	-0.5068	0.043153	-0.0385	0.041633	0.0876	0.069648
3	-0.6689	-0.61301	-0.5773	0.02849	-0.5308	-0.51228	-0.4901	0.011958	0.0465	0.10073	0.1613	0.033607
10	-0.6747	-0.64084	-0.5798	0.028501	-0.5384	-0.51823	-0.4982	0.014374	0.0683	0.12261	0.1713	0.026955
30	-0.6599	-0.62791	-0.5953	0.018227	-0.53	-0.51154	-0.4886	0.014048	0.0845	0.11637	0.1567	0.022321
50	-0.6517	-0.6085	-0.5709	0.022534	-0.5276	-0.50184	-0.4802	0.013156	0.0683	0.10666	0.1565	0.024884
100	-0.6426	-0.61463	-0.5755	0.021716	-0.5307	-0.49006	-0.4504	0.025782	0.0851	0.12457	0.158	0.026287

Device Test: 17.9 VREF_PLUS_OFFSET(LEVEL|STATIC/VSNSP/5////@VREF_PLUS_OFFSET)





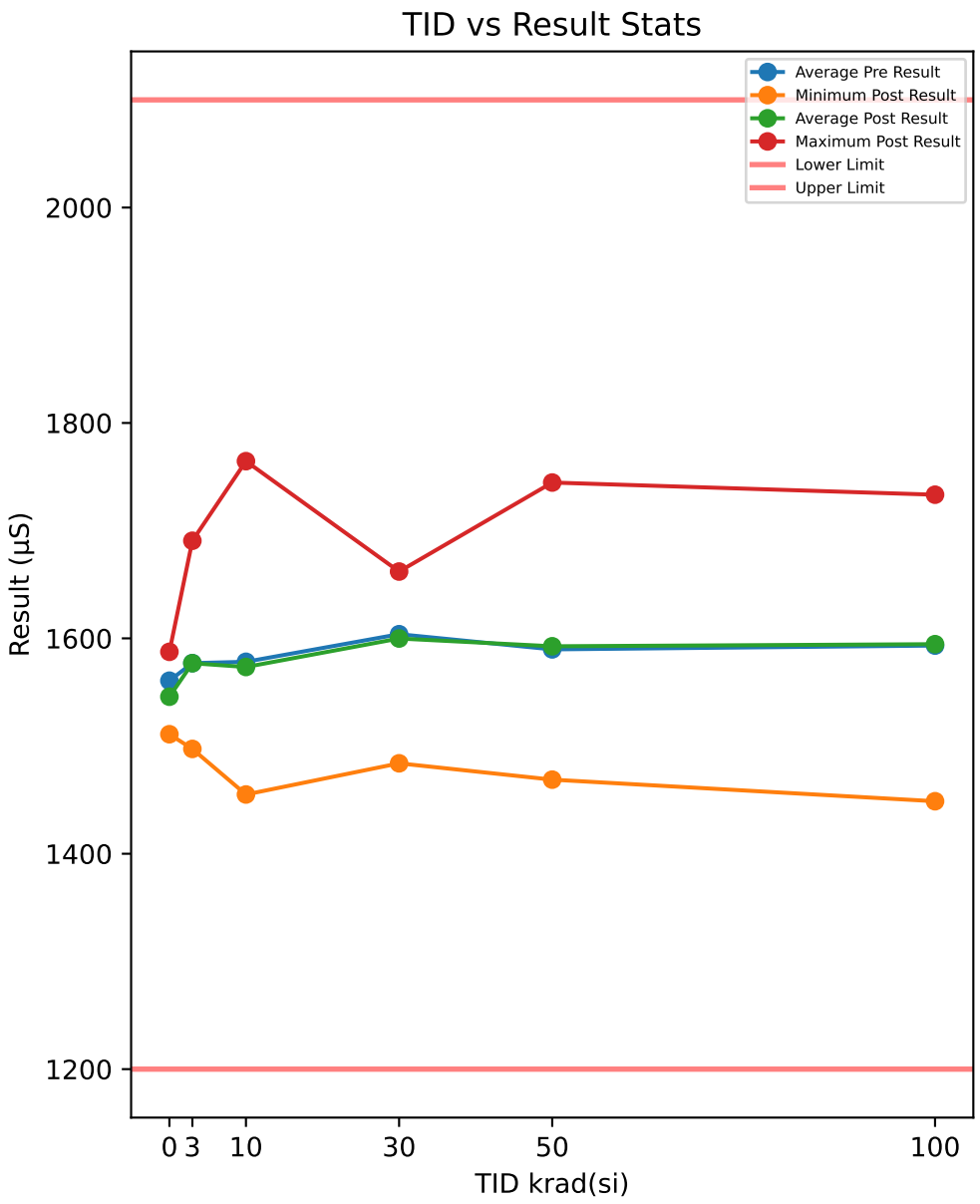
Test Results (Lower Limit = 0.593, Upper Limit = 0.606 (V))

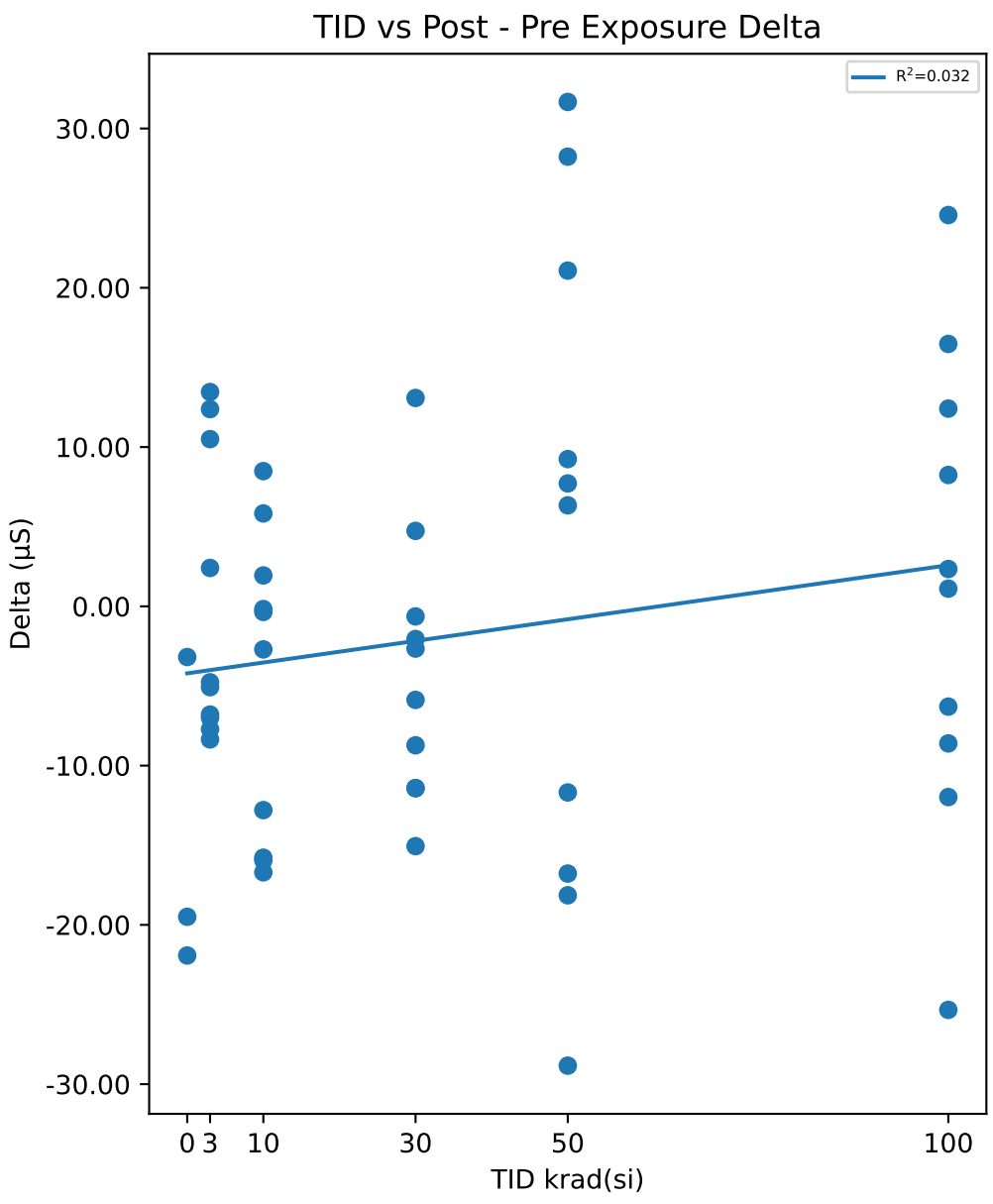
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
390	100	Biased	0.5999	0.6001	0.0002
392	100	Biased	0.5994	0.6004	0.001
393	100	Biased	0.5995	0.5992	-0.0003
394	100	Biased	0.5999	0.6009	0.001
395	100	Biased	0.6009	0.6004	-0.0005
412	100	Unbiased	0.6014	0.601	-0.0004
413	100	Unbiased	0.5993	0.5982	-0.0011
414	100	Unbiased	0.601	0.6011	0.0001
415	100	Unbiased	0.6003	0.6005	0.0002
416	100	Unbiased	0.5995	0.6008	0.0013
417	50	Biased	0.6007	0.6009	0.0002
418	50	Biased	0.6	0.6004	0.0004
419	50	Biased	0.6005	0.6004	-0.0001
421	50	Biased	0.6011	0.6002	-0.0009
422	50	Biased	0.6004	0.6011	0.0007
423	50	Unbiased	0.5996	0.5994	-0.0002
424	50	Unbiased	0.5997	0.6004	0.0007
425	50	Unbiased	0.5996	0.5999	0.0003
426	50	Unbiased	0.6006	0.601	0.0004
427	50	Unbiased	0.598	0.5979	-0.0001
463	0	Corr	0.5995	0.5996	0.0001
464	0	Corr	0.6007	0.6007	0
465	0	Corr	0.6	0.5999	-0.0001
466	30	Biased	0.6005	0.6005	0
469	30	Biased	0.601	0.6016	0.0006
470	30	Biased	0.601	0.6014	0.0004
472	30	Biased	0.6	0.5997	-0.0003
474	30	Biased	0.6002	0.6001	-0.0001
475	30	Unbiased	0.6002	0.6005	0.0003
477	30	Unbiased	0.599	0.5992	0.0002
478	30	Unbiased	0.6022	0.6014	-0.0008
479	30	Unbiased	0.6	0.599	-0.001
480	30	Unbiased	0.5998	0.5997	-0.0001
481	10	Biased	0.6004	0.6004	0
482	10	Biased	0.601	0.6009	-0.0001
483	10	Biased	0.6006	0.6002	-0.0004
484	10	Biased	0.5996	0.5998	0.0002
485	10	Biased	0.5993	0.5991	-0.0002
487	10	Unbiased	0.6003	0.5998	-0.0005
488	10	Unbiased	0.6006	0.6004	-0.0002
489	10	Unbiased	0.601	0.6005	-0.0005
490	10	Unbiased	0.6014	0.6009	-0.0005
491	10	Unbiased	0.6019	0.6016	-0.0003
492	3	Biased	0.599	0.5988	-0.0002
493	3	Biased	0.6007	0.6007	0
494	3	Biased	0.5993	0.5993	0
495	3	Biased	0.6012	0.6014	0.0002
496	3	Biased	0.5993	0.5992	-0.0001
497	3	Unbiased	0.5997	0.5997	0
498	3	Unbiased	0.5998	0.5997	-0.0001
499	3	Unbiased	0.6002	0.6001	-0.0001
500	3	Unbiased	0.5996	0.5995	-0.0001
502	3	Unbiased	0.5997	0.5997	0

Test Statistics (V)

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	0.5995	0.60007	0.6007	0.00060277	0.5996	0.60007	0.6007	0.00056862	-0.0001	0	0.0001	0.0001
3	0.599	0.59985	0.6012	0.00067536	0.5988	0.59981	0.6014	0.00075931	-0.0002	-4e-05	0.0002	0.0001075
10	0.5993	0.60061	0.6019	0.00077953	0.5991	0.60036	0.6016	0.00069793	-0.0005	-0.00025	0.0002	0.00023688
30	0.599	0.60039	0.6022	0.0008621	0.599	0.60031	0.6016	0.00093387	-0.001	-8e-05	0.0006	0.00050947
50	0.598	0.60002	0.6011	0.00087407	0.5979	0.60016	0.6011	0.00094657	-0.0009	0.00014	0.0007	0.00048351
100	0.5993	0.60011	0.6014	0.00075344	0.5982	0.60026	0.6011	0.00090946	-0.0011	0.00015	0.0013	0.00076485

Device Test: 18.1 EA_GM(EA|STATIC/COMP/4.5////@EA_GM)





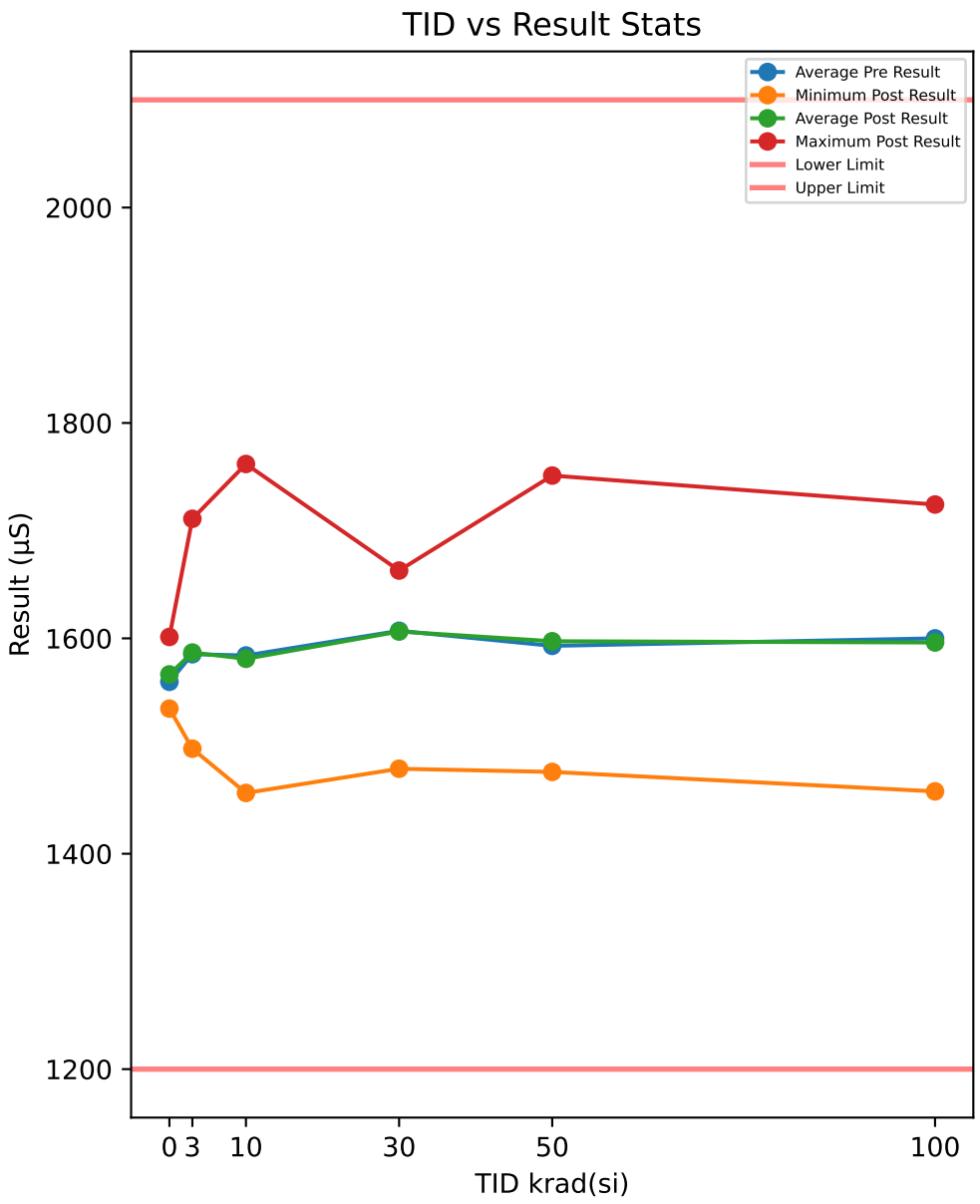
Test Results (Lower Limit = 1200.0, Upper Limit = 2100.0 (µS))

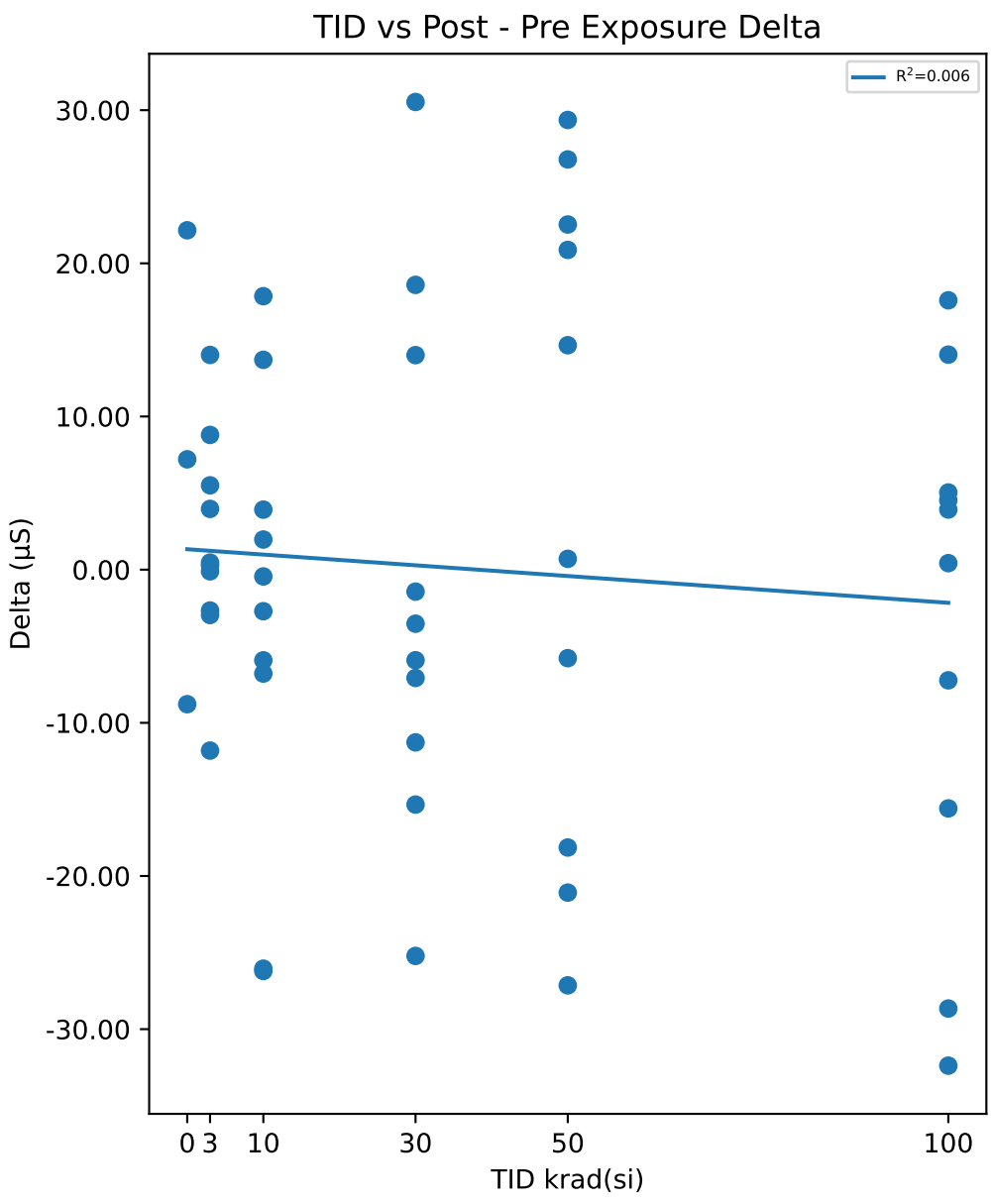
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
390	100	Biased	1708.8	1733.4	24.567
392	100	Biased	1527.8	1544.2	16.473
393	100	Biased	1486.7	1474.7	-11.976
394	100	Biased	1663	1665.3	2.344
395	100	Biased	1539.7	1552.2	12.415
412	100	Unbiased	1596.3	1597.4	1.1095
413	100	Unbiased	1687.3	1681	-6.2974
414	100	Unbiased	1440.5	1448.8	8.2472
415	100	Unbiased	1624.9	1599.6	-25.337
416	100	Unbiased	1658.1	1649.5	-8.6072
417	50	Biased	1500.1	1531.8	31.666
418	50	Biased	1497.6	1468.8	-28.839
419	50	Biased	1580.8	1588.6	7.7162
421	50	Biased	1723.6	1744.7	21.079
422	50	Biased	1561.2	1543	-18.141
423	50	Unbiased	1690.2	1699.4	9.245
424	50	Unbiased	1477.9	1506.1	28.234
425	50	Unbiased	1515	1521.3	6.3398
426	50	Unbiased	1601.3	1584.5	-16.779
427	50	Unbiased	1750	1738.3	-11.685
463	0	Corr	1532.9	1511	-21.923
464	0	Corr	1558.5	1539	-19.493
465	0	Corr	1590.7	1587.5	-3.1834
466	30	Biased	1563	1560.4	-2.653
469	30	Biased	1667.9	1662	-5.874
470	30	Biased	1624	1637.1	13.082
472	30	Biased	1571.8	1569.7	-2.0514
474	30	Biased	1495.4	1484	-11.415
475	30	Unbiased	1542.5	1547.3	4.7373
477	30	Unbiased	1645.1	1633.7	-11.414
478	30	Unbiased	1670.3	1661.6	-8.7259
479	30	Unbiased	1658.8	1643.7	-15.057
480	30	Unbiased	1599.7	1599.1	-0.6328
481	10	Biased	1449.2	1455	5.8316
482	10	Biased	1515	1523.5	8.4881
483	10	Biased	1581.7	1568.9	-12.794
484	10	Biased	1518.1	1502.3	-15.782
485	10	Biased	1593	1577.1	-15.948
487	10	Unbiased	1764.9	1764.5	-0.3527
488	10	Unbiased	1589.4	1589.2	-0.1732
489	10	Unbiased	1660.9	1644.2	-16.7
490	10	Unbiased	1581.5	1583.4	1.9403
491	10	Unbiased	1528.7	1526	-2.7046
492	3	Biased	1543.2	1538.4	-4.7685
493	3	Biased	1503.6	1498.5	-5.0763
494	3	Biased	1674.1	1684.6	10.498
495	3	Biased	1612	1605.2	-6.7939
496	3	Biased	1699	1690.6	-8.3547
497	3	Unbiased	1512.1	1514.5	2.4091
498	3	Unbiased	1537.7	1550.1	12.382
499	3	Unbiased	1483.9	1497.3	13.455
500	3	Unbiased	1660.6	1652.9	-7.7142
502	3	Unbiased	1544	1537	-6.9945

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	1532.9	1560.7	1590.7	28.949	1511	1545.8	1587.5	38.71	-21.923	-14.866	-3.1834	10.19
3	1483.9	1577	1699	77.876	1497.3	1576.9	1690.6	75.483	-8.3547	-0.09582	13.455	8.9639
10	1449.2	1578.2	1764.9	87.402	1455	1573.4	1764.5	85.458	-16.7	-4.8196	8.4881	9.6092
30	1495.4	1603.9	1670.3	59.516	1484	1599.9	1662	58.492	-15.057	-4.0004	13.082	8.4532
50	1477.9	1589.8	1750	99.617	1468.8	1592.6	1744.7	99.933	-28.839	2.8835	31.666	20.884
100	1440.5	1593.3	1708.8	90.748	1448.8	1594.6	1733.4	91.139	-25.337	1.2937	24.567	14.856

Device Test: 18.10 EA_GM(EA|STATIC/COMP/14////@EA_GM)





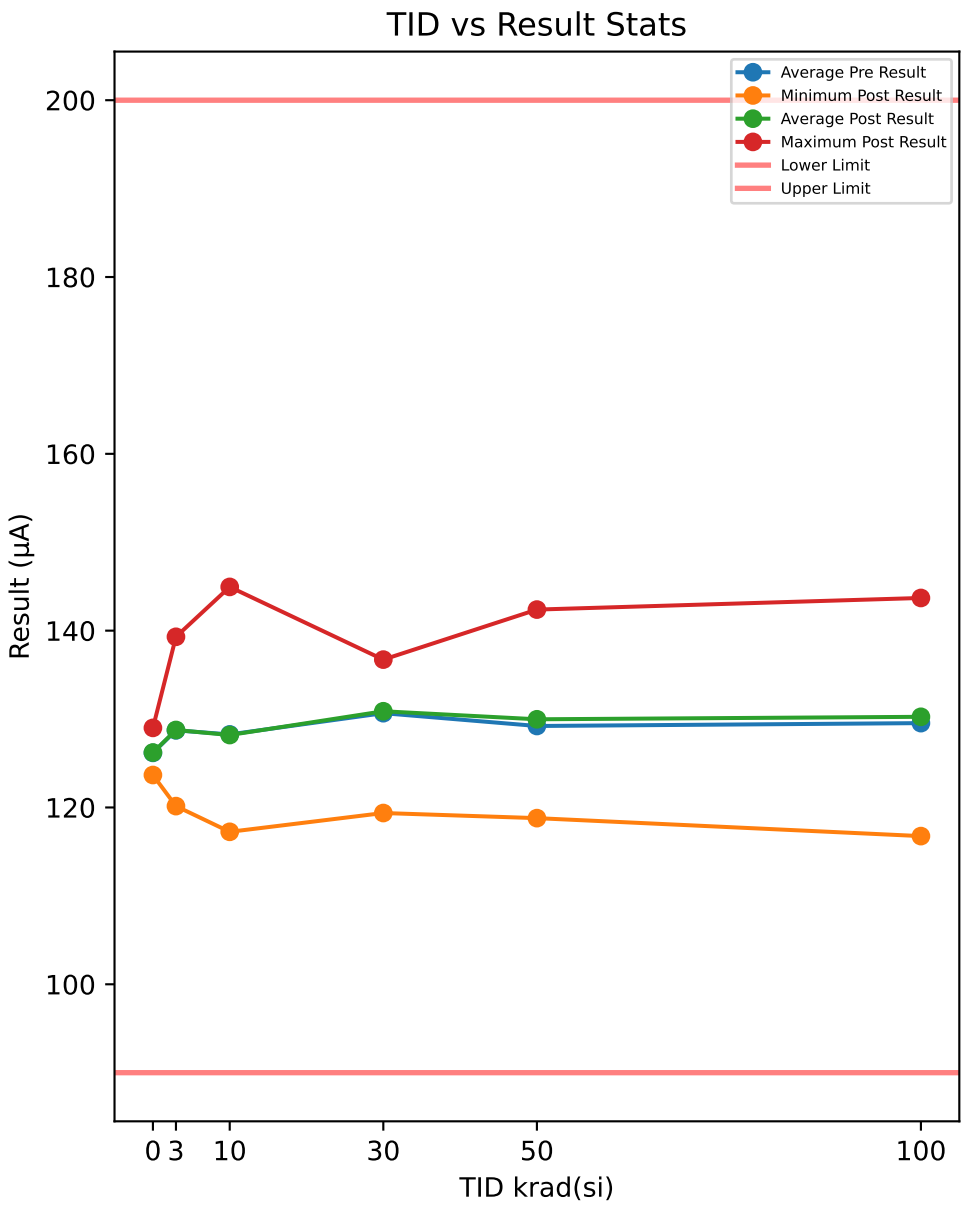
Test Results (Lower Limit = 1200.0, Upper Limit = 2100.0 (µS))

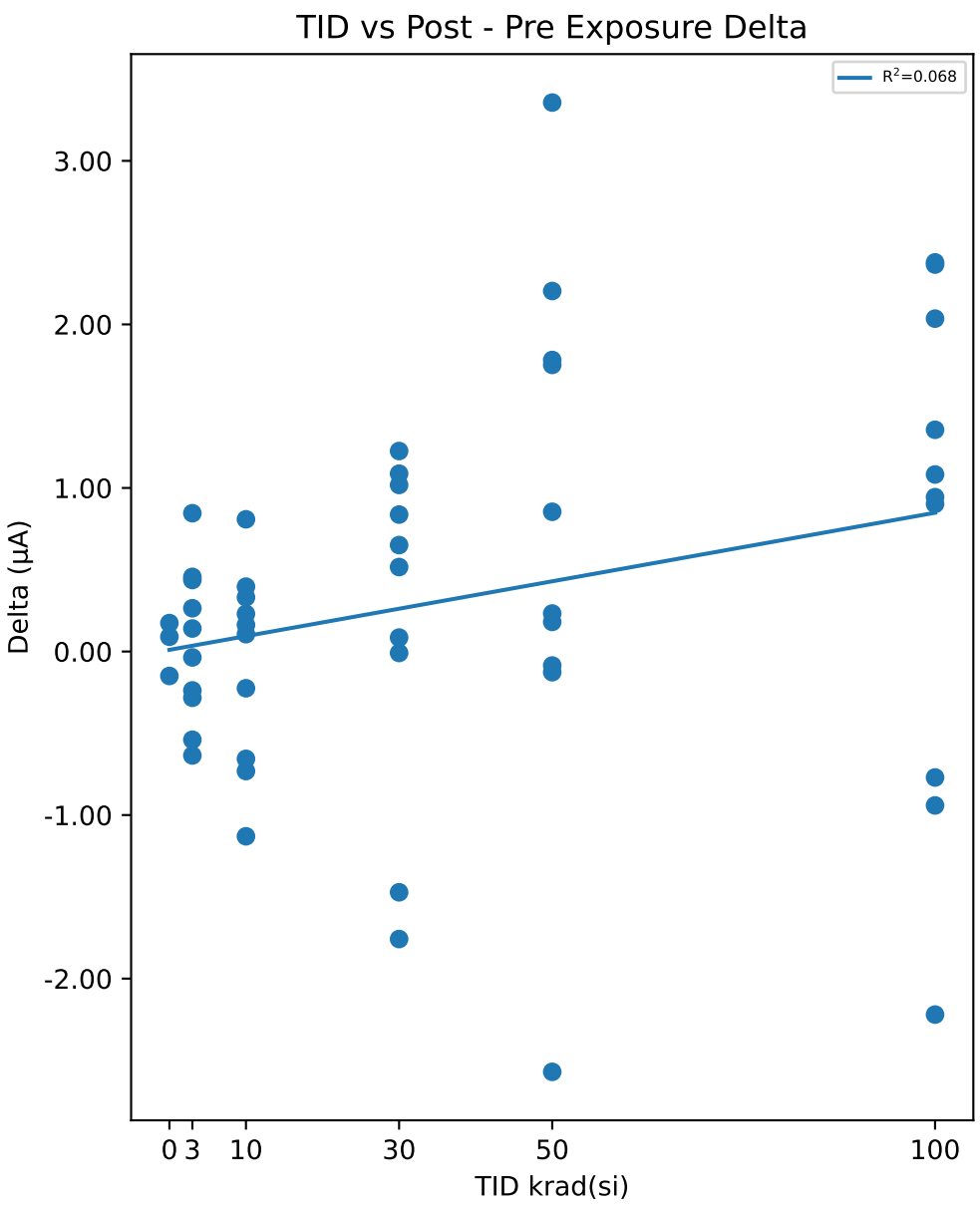
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
390	100	Biased	1723.8	1724.3	0.4252
392	100	Biased	1516	1530	14.039
393	100	Biased	1500.3	1484.7	-15.587
394	100	Biased	1698	1669.3	-28.654
395	100	Biased	1570.1	1562.9	-7.2253
412	100	Unbiased	1596.7	1601.7	5.0381
413	100	Unbiased	1676	1680.5	4.5327
414	100	Unbiased	1440.3	1457.9	17.585
415	100	Unbiased	1627.6	1595.2	-32.383
416	100	Unbiased	1651.1	1655	3.9253
417	50	Biased	1506.6	1536	29.36
418	50	Biased	1497.1	1476	-21.086
419	50	Biased	1592.8	1587.1	-5.7784
421	50	Biased	1728.6	1751.2	22.535
422	50	Biased	1569.5	1551.3	-18.14
423	50	Unbiased	1700.4	1701.1	0.7069
424	50	Unbiased	1485.9	1512.7	26.782
425	50	Unbiased	1510.3	1531.2	20.876
426	50	Unbiased	1583	1597.6	14.652
427	50	Unbiased	1756.2	1729.1	-27.141
463	0	Corr	1543.6	1534.8	-8.7829
464	0	Corr	1541.3	1563.5	22.157
465	0	Corr	1594.1	1601.3	7.2042
466	30	Biased	1557	1575.6	18.592
469	30	Biased	1668.9	1663	-5.9138
470	30	Biased	1643.7	1636.6	-7.0713
472	30	Biased	1577.5	1573.9	-3.5294
474	30	Biased	1504.2	1478.9	-25.219
475	30	Unbiased	1543.2	1573.7	30.535
477	30	Unbiased	1652	1640.7	-11.277
478	30	Unbiased	1664.2	1662.7	-1.4349
479	30	Unbiased	1661.3	1646	-15.338
480	30	Unbiased	1598.2	1612.2	14.007
481	10	Biased	1456.9	1456.5	-0.4426
482	10	Biased	1530.5	1544.2	13.7
483	10	Biased	1582.8	1580.1	-2.7129
484	10	Biased	1523	1496.8	-26.204
485	10	Biased	1591.8	1593.7	1.9657
487	10	Unbiased	1787.9	1761.9	-26.052
488	10	Unbiased	1592.8	1596.8	3.9188
489	10	Unbiased	1644.6	1662.5	17.853
490	10	Unbiased	1586.6	1580.7	-5.9196
491	10	Unbiased	1544	1537.2	-6.7832
492	3	Biased	1559.1	1547.3	-11.812
493	3	Biased	1510.5	1510.4	-0.1088
494	3	Biased	1680.3	1685.8	5.5042
495	3	Biased	1623.3	1620.7	-2.6658
496	3	Biased	1697	1711	14.018
497	3	Unbiased	1521.6	1522.1	0.4625
498	3	Unbiased	1554.6	1554.8	0.2665
499	3	Unbiased	1500.5	1497.5	-2.9599
500	3	Unbiased	1663.2	1667.2	3.9667
502	3	Unbiased	1542.7	1551.5	8.7957

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	1541.3	1559.7	1594.1	29.836	1534.8	1566.5	1601.3	33.363	-8.7829	6.8593	22.157	15.473
3	1500.5	1585.3	1697	74.012	1497.5	1586.8	1711	77.93	-11.812	1.5467	14.018	7.0843
10	1456.9	1584.1	1787.9	88.039	1456.5	1581	1761.9	85.408	-26.204	-3.0676	17.853	14.474
30	1504.2	1607	1668.9	59.184	1478.9	1606.3	1663	57.143	-25.219	-0.66491	30.535	16.891
50	1485.9	1593	1756.2	101.21	1476	1597.3	1751.2	96.632	-27.141	4.2767	29.36	21.341
100	1440.3	1600	1723.8	92.791	1457.9	1596.2	1724.3	87.813	-32.383	-3.8304	17.585	16.951

Device Test: 18.11 EA_SOURCE(ERROR_AMP|STATIC/COMP/14////@EA_SOURCE)





Test Results (Lower Limit = 90.0, Upper Limit = 200.0 (µA))

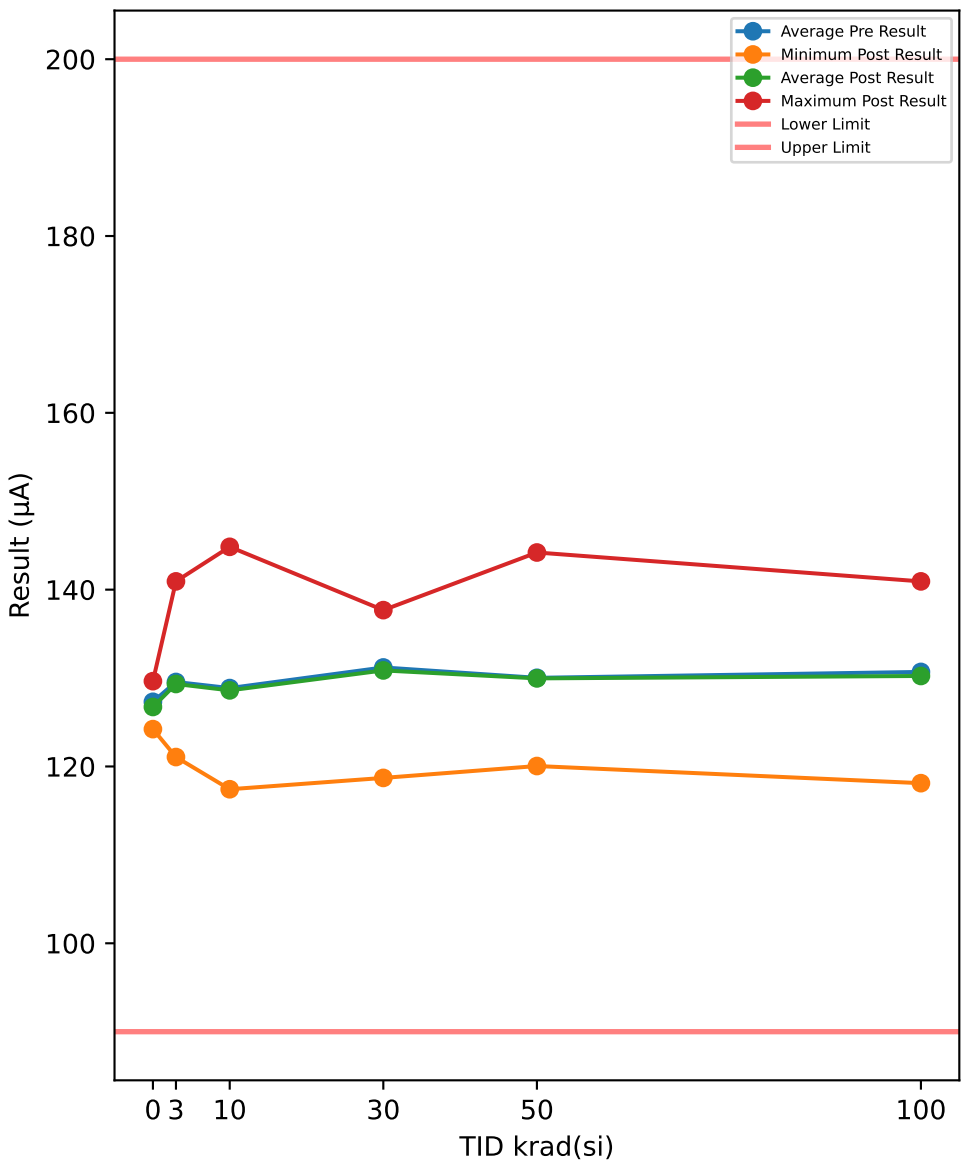
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
390	100	Biased	141.32	143.7	2.3791
392	100	Biased	123.98	126.02	2.0353
393	100	Biased	120	119.23	-0.7702
394	100	Biased	137.2	138.1	0.9021
395	100	Biased	125.56	126.5	0.9438
412	100	Unbiased	128.58	129.94	1.3557
413	100	Unbiased	138.04	137.1	-0.9411
414	100	Unbiased	115.68	116.76	1.0824
415	100	Unbiased	131.05	128.83	-2.2199
416	100	Unbiased	134	136.36	2.3659
417	50	Biased	122.26	124.47	2.2041
418	50	Biased	118.61	118.79	0.181
419	50	Biased	127.96	128.81	0.8543
421	50	Biased	140.6	142.35	1.7524
422	50	Biased	126.85	126.77	-0.0857
423	50	Unbiased	138.96	138.83	-0.1265
424	50	Unbiased	119.69	123.05	3.3564
425	50	Unbiased	122.44	124.22	1.7824
426	50	Unbiased	129.83	130.06	0.2323
427	50	Unbiased	144.95	142.38	-2.5701
463	0	Corr	123.5	123.67	0.174
464	0	Corr	126.12	125.97	-0.1495
465	0	Corr	128.91	129	0.09
466	30	Biased	127.15	128.24	1.0873
469	30	Biased	135.89	136.72	0.8373
470	30	Biased	132.25	133.27	1.0184
472	30	Biased	127.76	128.41	0.6507
474	30	Biased	120.84	119.37	-1.4722
475	30	Unbiased	125.93	127.16	1.2258
477	30	Unbiased	134.78	134.77	-0.0089
478	30	Unbiased	135	135.08	0.0852
479	30	Unbiased	135.73	133.97	-1.7581
480	30	Unbiased	131.31	131.83	0.5164
481	10	Biased	116.85	117.25	0.3966
482	10	Biased	124	124.33	0.3313
483	10	Biased	129.16	129.27	0.1061
484	10	Biased	122.45	121.79	-0.6563
485	10	Biased	128.68	128.91	0.2302
487	10	Unbiased	146.08	144.95	-1.1299
488	10	Unbiased	128.52	129.33	0.8084
489	10	Unbiased	134.67	134.83	0.1629
490	10	Unbiased	127.8	127.58	-0.2247
491	10	Unbiased	124.43	123.7	-0.731
492	3	Biased	125.34	124.7	-0.6356
493	3	Biased	121.98	122.42	0.4371
494	3	Biased	138.95	138.66	-0.2829
495	3	Biased	131.75	132.6	0.8455
496	3	Biased	139.04	139.3	0.2645
497	3	Unbiased	122.22	122.36	0.1406
498	3	Unbiased	126.62	126.08	-0.5395
499	3	Unbiased	120.39	120.15	-0.2379
500	3	Unbiased	136.98	136.94	-0.0362
502	3	Unbiased	123.96	124.42	0.4563

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	123.5	126.18	128.91	2.7079	123.67	126.21	129	2.6739	-0.1495	0.038167	0.174	0.16786
3	120.39	128.72	139.04	7.3332	120.15	128.76	139.3	7.3687	-0.6356	0.04119	0.8455	0.47374
10	116.85	128.26	146.08	7.8641	117.25	128.19	144.95	7.6306	-1.1299	-0.07064	0.8084	0.60127
30	120.84	130.66	135.89	5.0691	119.37	130.88	136.72	5.1913	-1.7581	0.21819	1.2258	1.0489
50	118.61	129.22	144.95	9.2934	118.79	129.97	142.38	8.3921	-2.5701	0.75806	3.3564	1.6354
100	115.68	129.54	141.32	8.3174	116.76	130.25	143.7	8.5909	-2.2199	0.71331	2.3791	1.5432

Device Test: 18.12 EA_SINK(ERROR_AMP|STATIC/COMP/14////@EA_SINK)

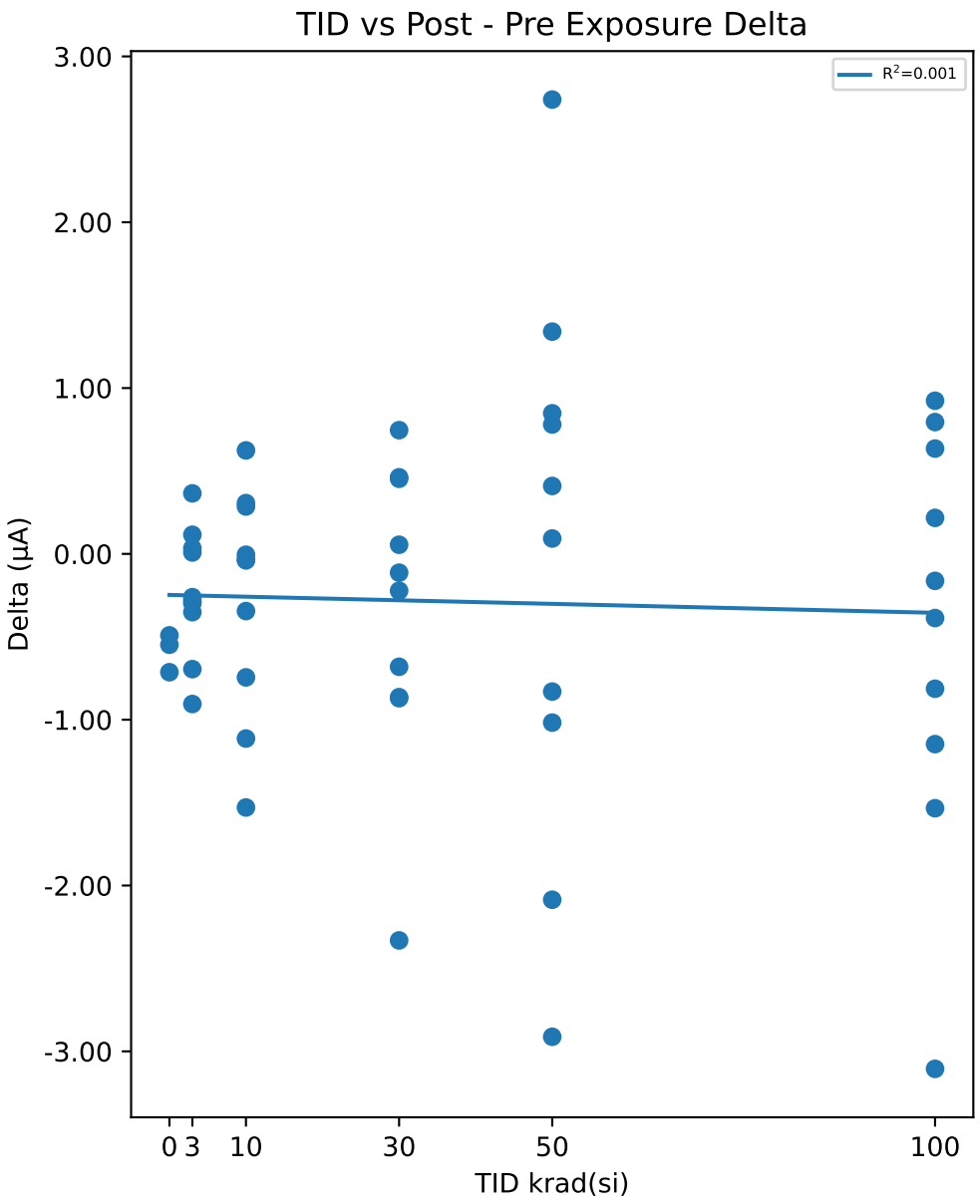
TID vs Result Stats



Test Results (Lower Limit = 90.0, Upper Limit = 200.0 (µA))

Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
390	100	Biased	140.01	140.94	0.9236
392	100	Biased	124.06	123.68	-0.3868
393	100	Biased	121.72	120.91	-0.8132
394	100	Biased	138.28	136.75	-1.5338
395	100	Biased	127.29	127.93	0.6351
412	100	Unbiased	129.29	130.09	0.7949
413	100	Unbiased	138.31	138.53	0.2171
414	100	Unbiased	118.27	118.11	-0.1627
415	100	Unbiased	133.71	130.6	-3.1054
416	100	Unbiased	135.99	134.84	-1.1472
417	50	Biased	123.86	124.71	0.8478
418	50	Biased	120.88	120.05	-0.8303
419	50	Biased	129.82	130.6	0.7803
421	50	Biased	141.46	144.2	2.7397
422	50	Biased	127	124.91	-2.0856
423	50	Unbiased	138.65	138.75	0.0927
424	50	Unbiased	119.54	120.88	1.3403
425	50	Unbiased	123.63	124.04	0.4096
426	50	Unbiased	129.79	128.77	-1.0175
427	50	Unbiased	145.65	142.73	-2.912
463	0	Corr	124.94	124.22	-0.7136
464	0	Corr	126.81	126.32	-0.4913
465	0	Corr	130.2	129.65	-0.5479
466	30	Biased	126.58	127.04	0.4618
469	30	Biased	136.92	136.06	-0.8641
470	30	Biased	134.5	133.82	-0.6808
472	30	Biased	128.4	128.29	-0.1134
474	30	Biased	121.04	118.71	-2.3308
475	30	Unbiased	126.42	126.47	0.0551
477	30	Unbiased	133.46	132.59	-0.8703
478	30	Unbiased	136.94	137.68	0.7461
479	30	Unbiased	137.36	137.14	-0.2223
480	30	Unbiased	130.38	130.84	0.453
481	10	Biased	117.46	117.42	-0.0392
482	10	Biased	124.31	124.6	0.2858
483	10	Biased	127.71	127.71	-0.0051
484	10	Biased	123.39	121.86	-1.5293
485	10	Biased	130.06	129.71	-0.3448
487	10	Unbiased	145.96	144.84	-1.1136
488	10	Unbiased	129.87	130.49	0.6241
489	10	Unbiased	135.75	136.06	0.3063
490	10	Unbiased	129.1	129.07	-0.0339
491	10	Unbiased	125.05	124.3	-0.7447
492	3	Biased	126.62	125.93	-0.695
493	3	Biased	121.68	121.39	-0.2817
494	3	Biased	140.06	139.15	-0.9053
495	3	Biased	133.54	133.9	0.3649
496	3	Biased	140.9	140.94	0.0341
497	3	Unbiased	124.45	124.19	-0.2611
498	3	Unbiased	126.4	126.05	-0.3514
499	3	Unbiased	121.36	121.07	-0.2979
500	3	Unbiased	135.39	135.4	0.0086
502	3	Unbiased	125.16	125.27	0.1153

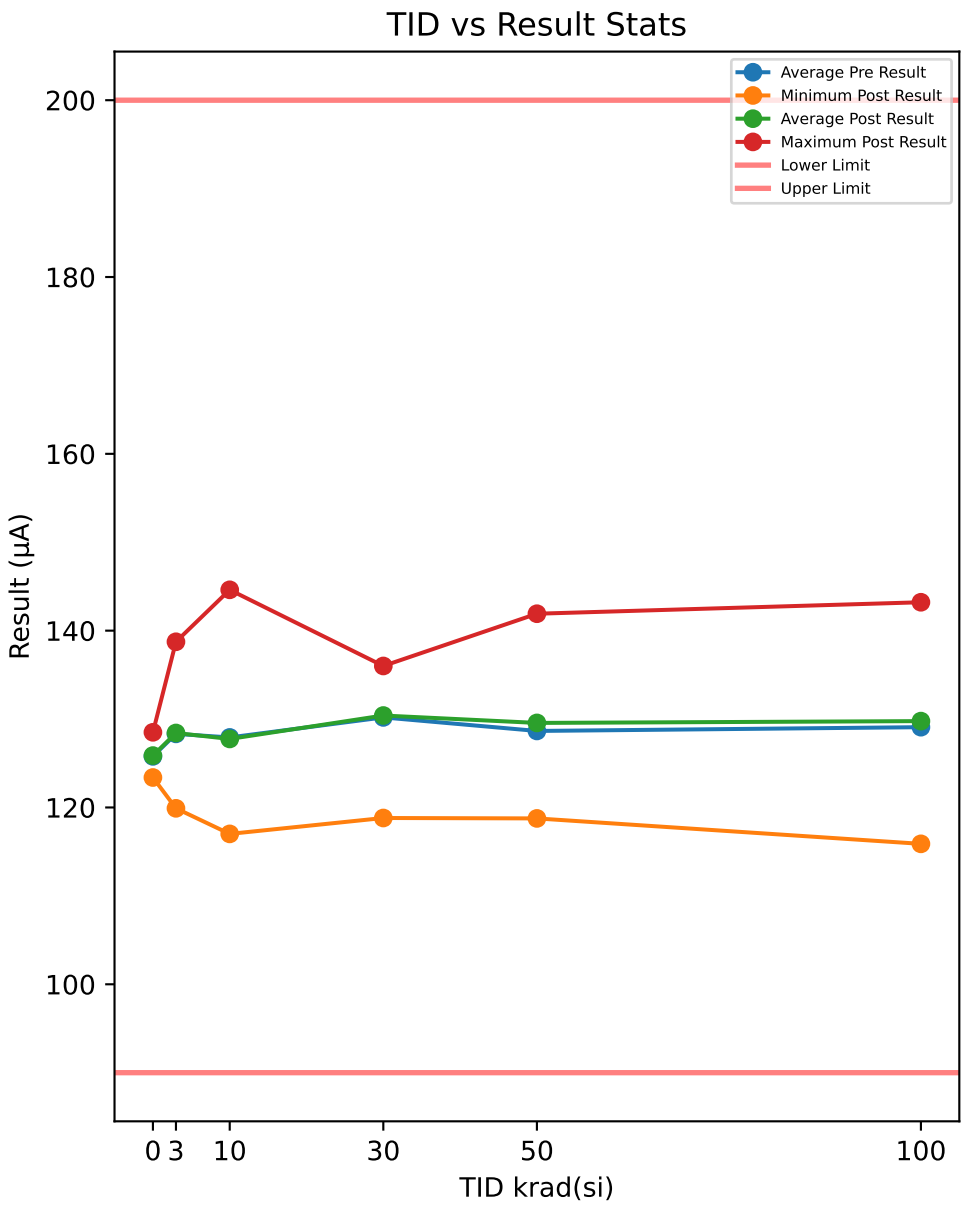
TID vs Post - Pre Exposure Delta

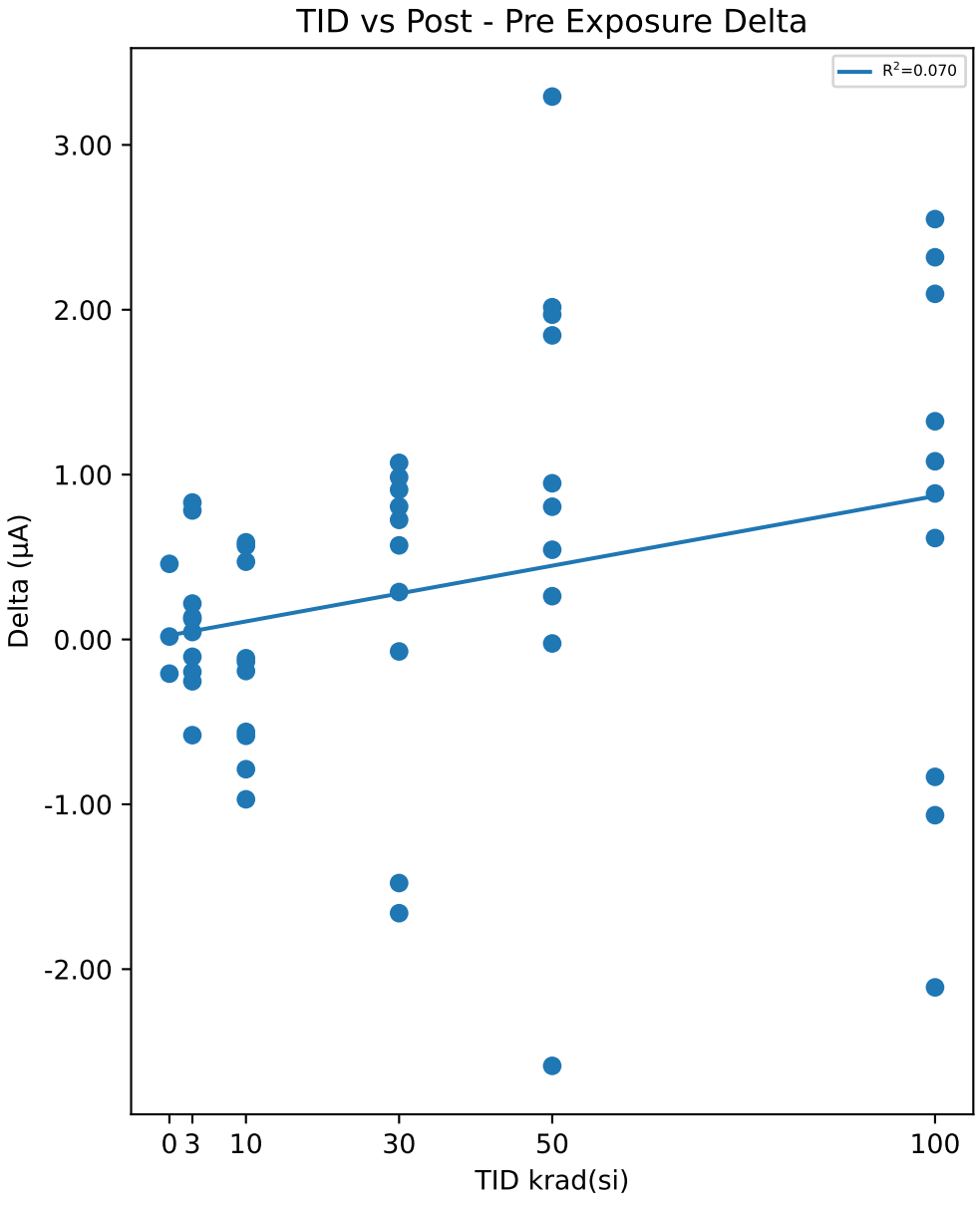


Test Statistics (µA)

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	124.94	127.31	130.2	2.6656	124.22	126.73	129.65	2.7357	-0.7136	-0.58427	-0.4913	0.11553
3	121.36	129.56	140.9	7.3187	121.07	129.33	140.94	7.3439	-0.9053	-0.22695	0.3649	0.37932
10	117.46	128.87	145.96	7.7363	117.42	128.61	144.84	7.6746	-1.5293	-0.25944	0.6241	0.6788
30	121.04	131.2	137.36	5.5342	118.71	130.86	137.68	5.8966	-2.3308	-0.33657	0.7461	0.9011
50	119.54	130.03	145.65	9.013	120.05	129.96	144.2	8.9063	-2.912	-0.0635	2.7397	1.6773
100	118.27	130.69	140.01	7.6862	118.11	130.24	140.94	7.6688	-3.1054	-0.45784	0.9236	1.2467

Device Test: 18.2 EA_SOURCE(ERROR_AMP|STATIC/COMP/4.5////@EA_SOURCE)





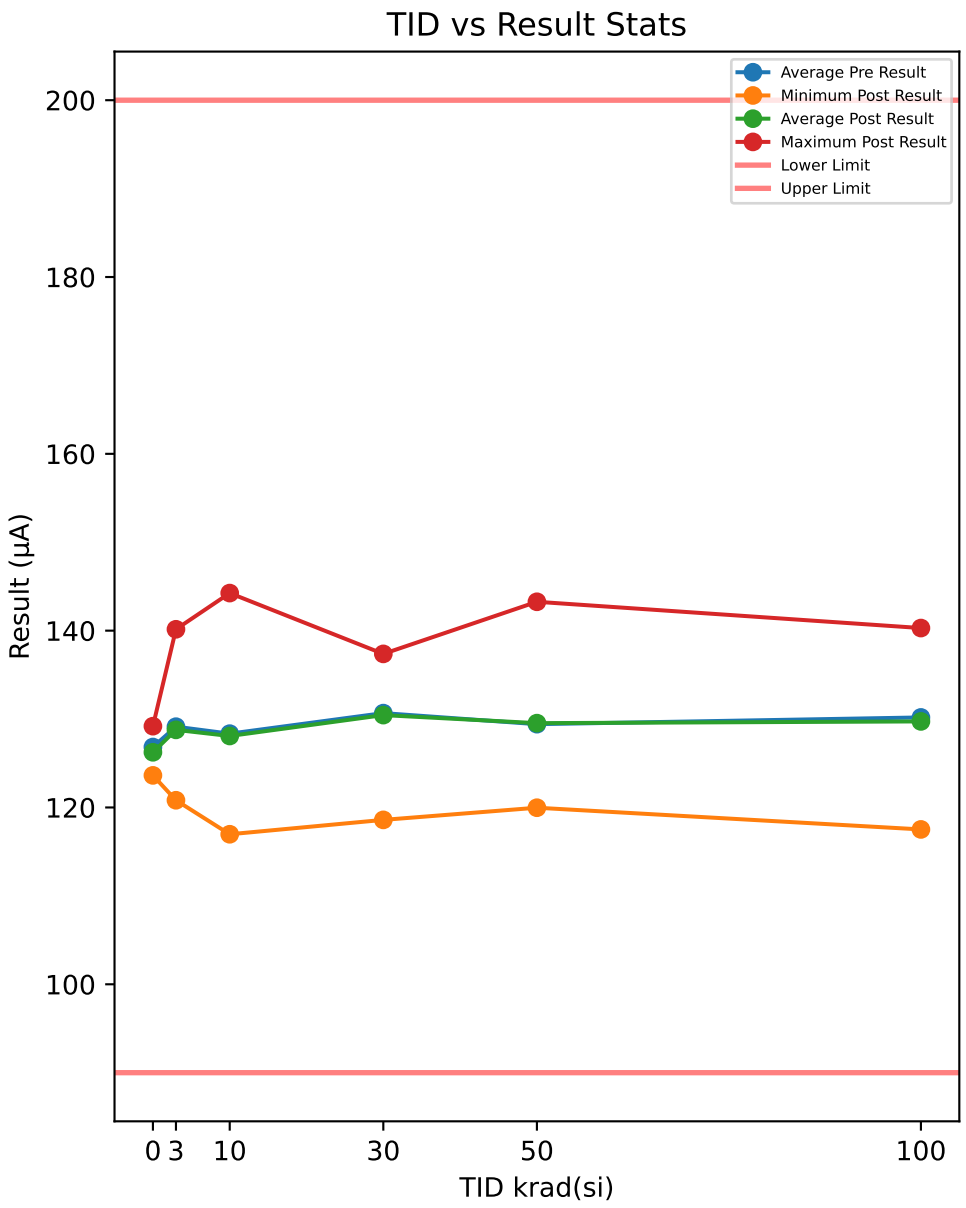
Test Results (Lower Limit = 90.0, Upper Limit = 200.0 (µA))

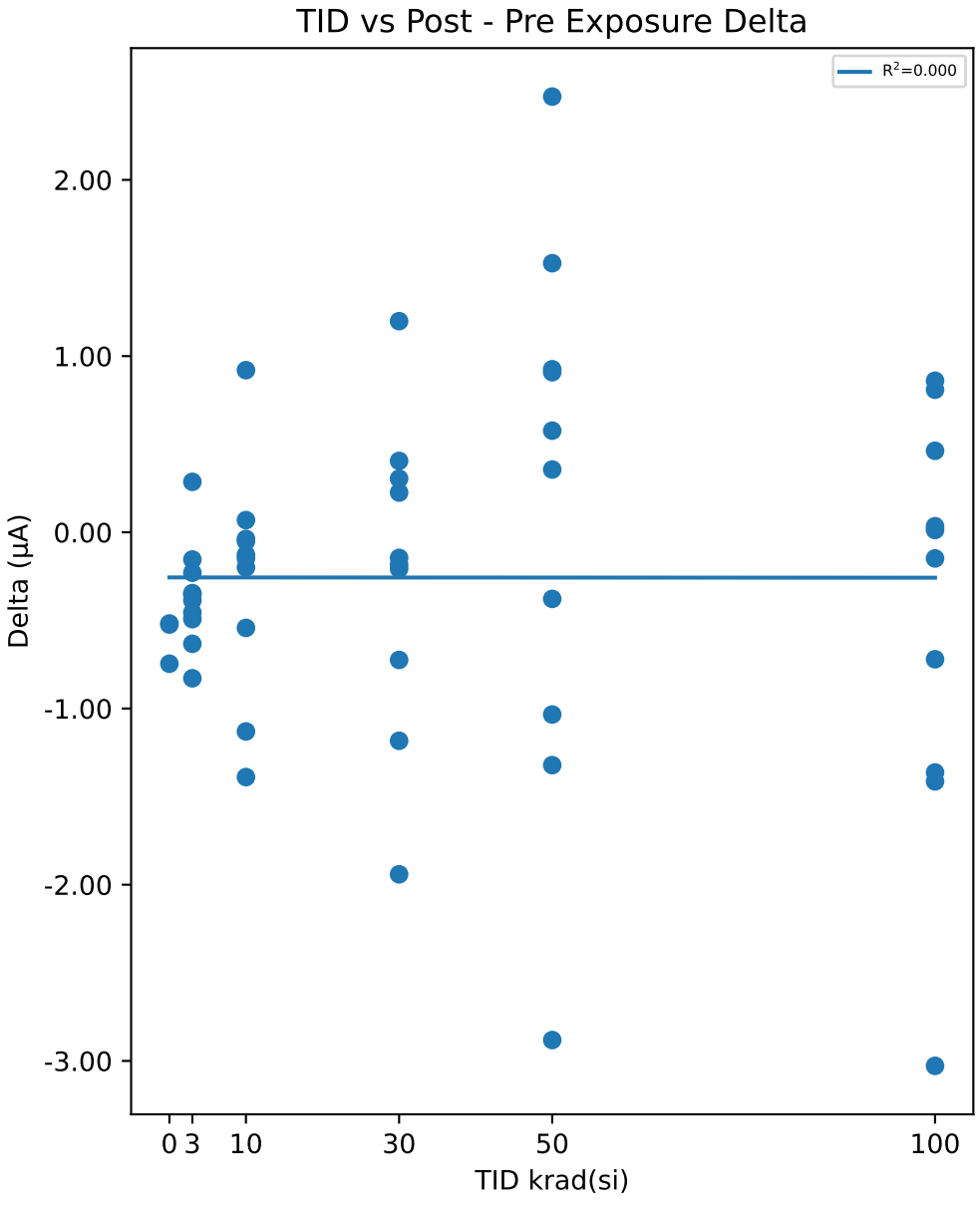
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
390	100	Biased	140.66	143.21	2.5498
392	100	Biased	123.18	125.28	2.0964
393	100	Biased	119.53	118.7	-0.8336
394	100	Biased	136.71	137.6	0.8856
395	100	Biased	125.29	125.91	0.615
412	100	Unbiased	128.08	129.41	1.3235
413	100	Unbiased	137.96	136.9	-1.0662
414	100	Unbiased	114.8	115.89	1.0808
415	100	Unbiased	130.97	128.86	-2.1106
416	100	Unbiased	133.61	135.93	2.3183
417	50	Biased	122.23	124.08	1.8446
418	50	Biased	117.96	118.76	0.8051
419	50	Biased	127.57	128.52	0.9474
421	50	Biased	139.94	141.91	1.9701
422	50	Biased	126.21	126.19	-0.0243
423	50	Unbiased	138.06	138.6	0.5441
424	50	Unbiased	119.22	122.51	3.2931
425	50	Unbiased	121.67	123.69	2.0155
426	50	Unbiased	129.21	129.47	0.2625
427	50	Unbiased	144.49	141.9	-2.5866
463	0	Corr	123.37	123.39	0.0175
464	0	Corr	125.26	125.72	0.4587
465	0	Corr	128.71	128.5	-0.2074
466	30	Biased	126.99	128.06	1.0714
469	30	Biased	135.43	136.01	0.5707
470	30	Biased	131.8	132.71	0.9081
472	30	Biased	127.21	128.02	0.806
474	30	Biased	120.47	118.81	-1.6605
475	30	Unbiased	125.71	126.44	0.7252
477	30	Unbiased	134.08	134	-0.0728
478	30	Unbiased	134.51	134.8	0.2876
479	30	Unbiased	135.17	133.69	-1.4777
480	30	Unbiased	130.49	131.47	0.9839
481	10	Biased	116.44	117.01	0.5679
482	10	Biased	123.79	124.26	0.4716
483	10	Biased	128.8	128.61	-0.1916
484	10	Biased	122.03	121.06	-0.9698
485	10	Biased	128.58	128.47	-0.1138
487	10	Unbiased	145.41	144.62	-0.7872
488	10	Unbiased	128.41	129	0.5893
489	10	Unbiased	134.53	134.4	-0.1344
490	10	Unbiased	127.6	127.02	-0.5846
491	10	Unbiased	123.62	123.06	-0.5605
492	3	Biased	124.76	124.66	-0.1051
493	3	Biased	121.67	121.89	0.2177
494	3	Biased	138.56	137.97	-0.5806
495	3	Biased	131.47	132.25	0.7824
496	3	Biased	138.7	138.74	0.045
497	3	Unbiased	121.76	121.89	0.1241
498	3	Unbiased	126.02	125.83	-0.1966
499	3	Unbiased	120.16	119.9	-0.254
500	3	Unbiased	136.62	136.76	0.1351
502	3	Unbiased	123.53	124.36	0.8307

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	123.37	125.78	128.71	2.7063	123.39	125.87	128.5	2.5594	-0.2074	0.0896	0.4587	0.33885
3	120.16	128.32	138.7	7.3483	119.9	128.42	138.74	7.2819	-0.5806	0.09987	0.8307	0.4393
10	116.44	127.92	145.41	7.8382	117.01	127.75	144.62	7.6471	-0.9698	-0.17131	0.5893	0.56594
30	120.47	130.19	135.43	4.9713	118.81	130.4	136.01	5.1885	-1.6605	0.21419	1.0714	1.0007
50	117.96	128.66	144.49	9.2339	118.76	129.56	141.91	8.3659	-2.5866	0.90715	3.2931	1.5834
100	114.8	129.08	140.66	8.4357	115.89	129.77	143.21	8.7055	-2.1106	0.6859	2.5498	1.5612

Device Test: 18.3 EA_SINK(ERROR_AMP|STATIC/COMP/4.5////@EA_SINK)





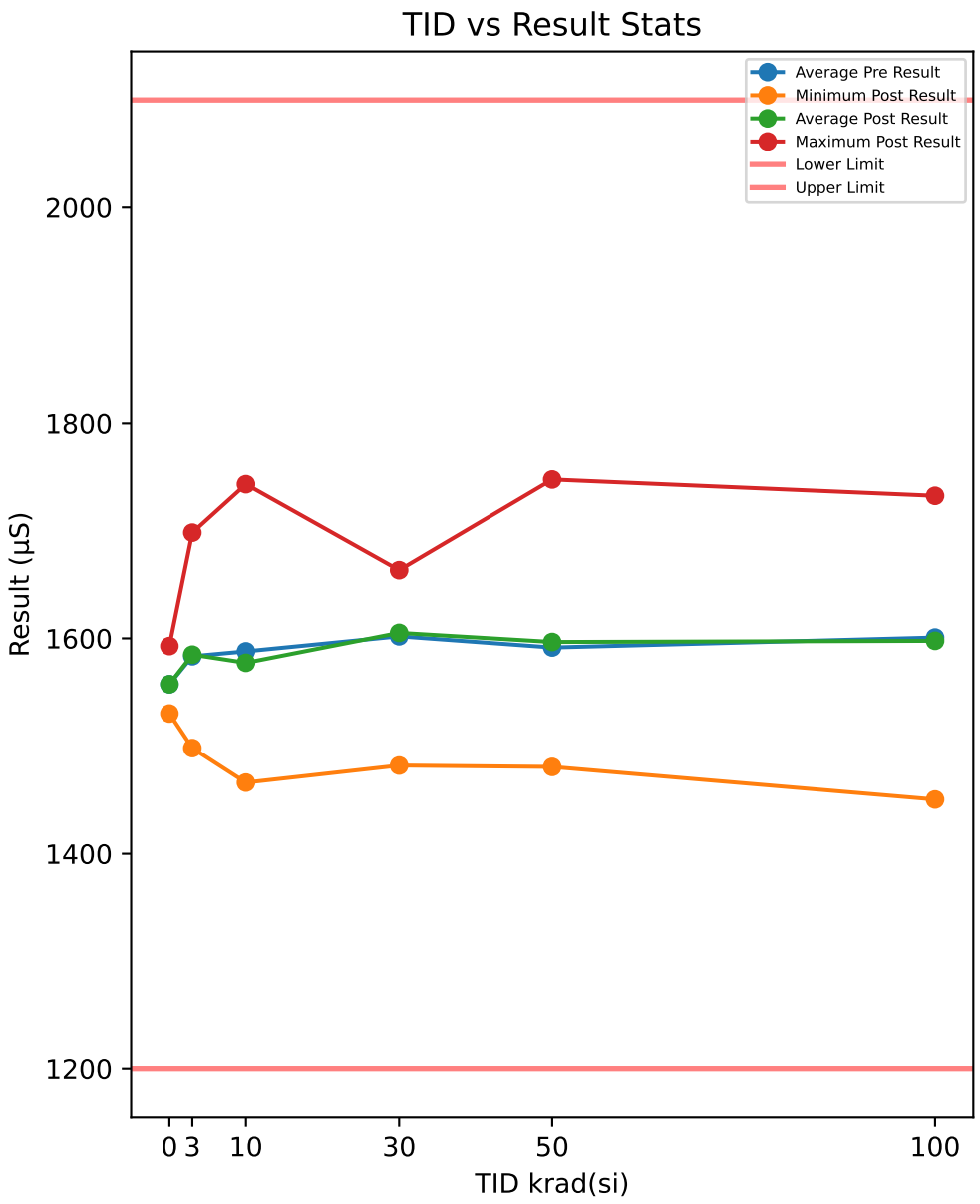
Test Results (Lower Limit = 90.0, Upper Limit = 200.0 (µA))

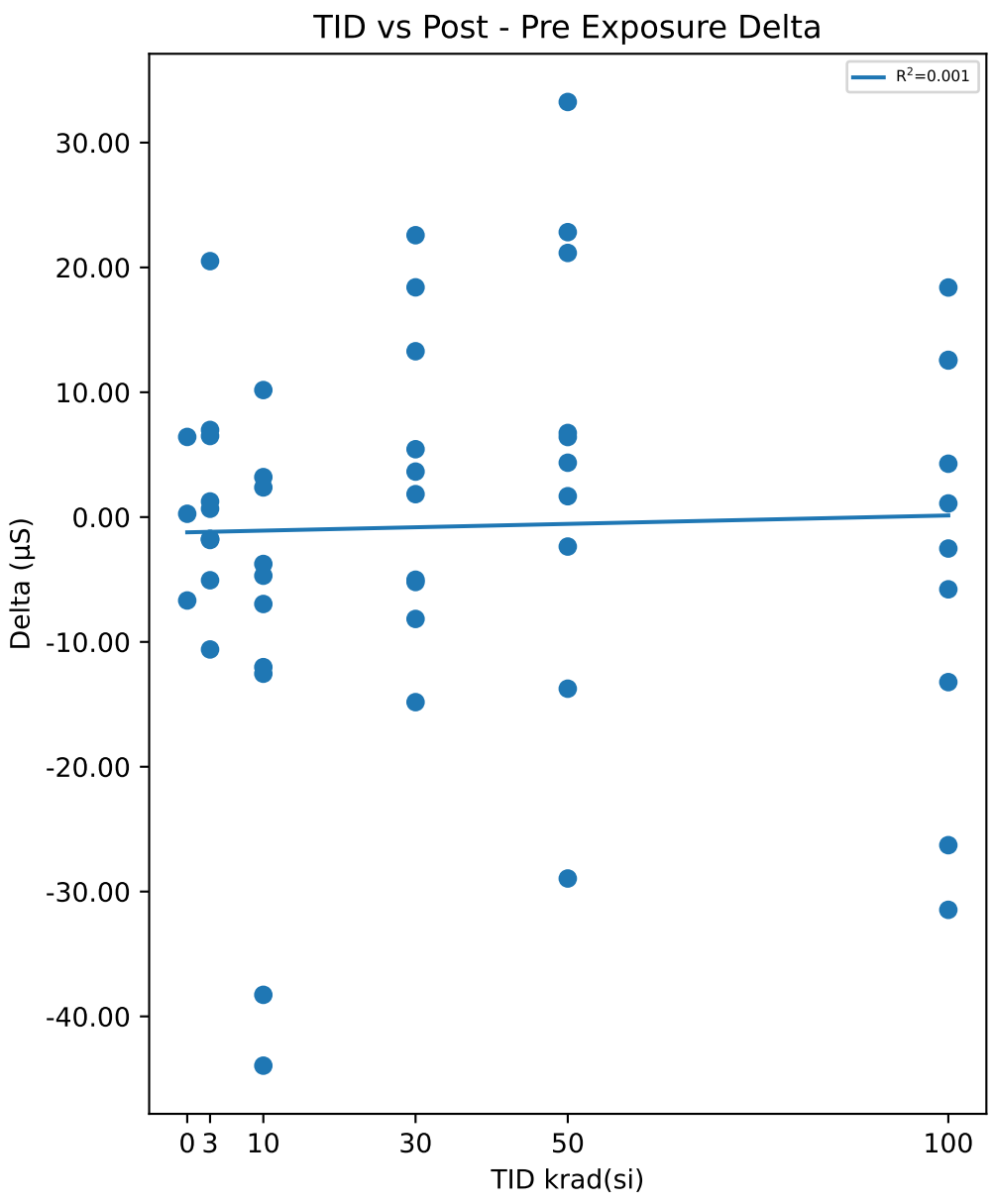
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
390	100	Biased	139.43	140.29	0.8601
392	100	Biased	123.63	123.66	0.0344
393	100	Biased	121.11	120.39	-0.7205
394	100	Biased	137.72	136.35	-1.3629
395	100	Biased	127.01	127.48	0.4626
412	100	Unbiased	128.51	129.32	0.8092
413	100	Unbiased	137.89	137.9	0.0131
414	100	Unbiased	117.67	117.52	-0.1482
415	100	Unbiased	133.22	130.2	-3.028
416	100	Unbiased	135.64	134.23	-1.4135
417	50	Biased	123.45	124.38	0.9253
418	50	Biased	120.35	119.97	-0.3779
419	50	Biased	129.67	130.24	0.5768
421	50	Biased	140.79	143.26	2.4728
422	50	Biased	125.98	124.66	-1.3214
423	50	Unbiased	137.51	137.87	0.3563
424	50	Unbiased	119.09	120.61	1.5271
425	50	Unbiased	122.81	123.72	0.9085
426	50	Unbiased	129.35	128.32	-1.034
427	50	Unbiased	145.21	142.33	-2.8815
463	0	Corr	124.38	123.63	-0.7458
464	0	Corr	126.42	125.9	-0.5233
465	0	Corr	129.71	129.19	-0.5174
466	30	Biased	126.11	126.41	0.3047
469	30	Biased	136.39	135.67	-0.7243
470	30	Biased	133.49	133.31	-0.1823
472	30	Biased	128.04	127.9	-0.1452
474	30	Biased	120.54	118.6	-1.9409
475	30	Unbiased	125.67	125.9	0.2257
477	30	Unbiased	133.33	132.15	-1.1832
478	30	Unbiased	136.17	137.37	1.1982
479	30	Unbiased	137.06	136.86	-0.2072
480	30	Unbiased	129.92	130.32	0.4052
481	10	Biased	116.9	116.97	0.0693
482	10	Biased	124.02	123.82	-0.1993
483	10	Biased	127.03	126.99	-0.0376
484	10	Biased	123.1	121.71	-1.3891
485	10	Biased	129.49	129.37	-0.127
487	10	Unbiased	145.38	144.25	-1.1302
488	10	Unbiased	129.28	130.2	0.9201
489	10	Unbiased	135.24	135.09	-0.148
490	10	Unbiased	128.57	128.52	-0.0505
491	10	Unbiased	124.48	123.94	-0.5425
492	3	Biased	126.05	125.69	-0.3521
493	3	Biased	121.29	120.83	-0.4544
494	3	Biased	139.37	138.54	-0.8284
495	3	Biased	133.49	133.26	-0.2292
496	3	Biased	140.31	140.15	-0.1545
497	3	Unbiased	124.03	123.65	-0.3869
498	3	Unbiased	125.97	125.47	-0.4929
499	3	Unbiased	121.16	120.82	-0.3452
500	3	Unbiased	135.14	134.51	-0.6328
502	3	Unbiased	124.56	124.85	0.2863

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	124.38	126.84	129.71	2.6927	123.63	126.24	129.19	2.7986	-0.7458	-0.5955	-0.5174	0.1302
3	121.16	129.14	140.31	7.2757	120.82	128.78	140.15	7.1994	-0.8284	-0.35901	0.2863	0.29785
10	116.9	128.35	145.38	7.7015	116.97	128.09	144.25	7.5824	-1.3891	-0.26348	0.9201	0.64465
30	120.54	130.67	137.06	5.5265	118.6	130.45	137.37	5.8811	-1.9409	-0.22493	1.1982	0.88359
50	119.09	129.42	145.21	8.9709	119.97	129.54	143.26	8.6845	-2.8815	0.1152	2.4728	1.5534
100	117.67	130.18	139.43	7.7142	117.52	129.73	140.29	7.6096	-3.028	-0.44937	0.8601	1.209

Device Test: 18.4 EA_GM(EA|STATIC/COMP/5////@EA_GM)





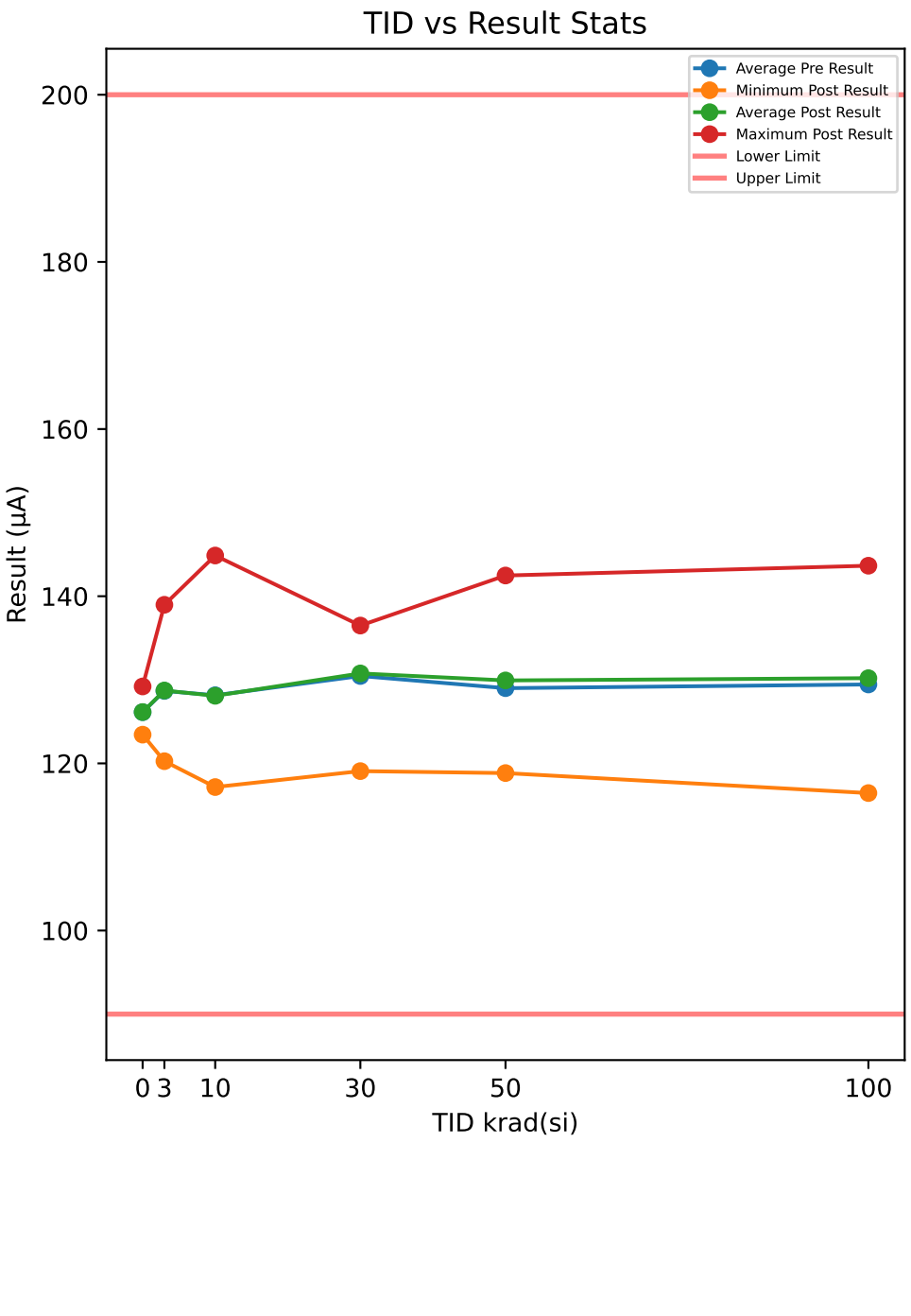
Test Results (Lower Limit = 1200.0, Upper Limit = 2100.0 (µS))

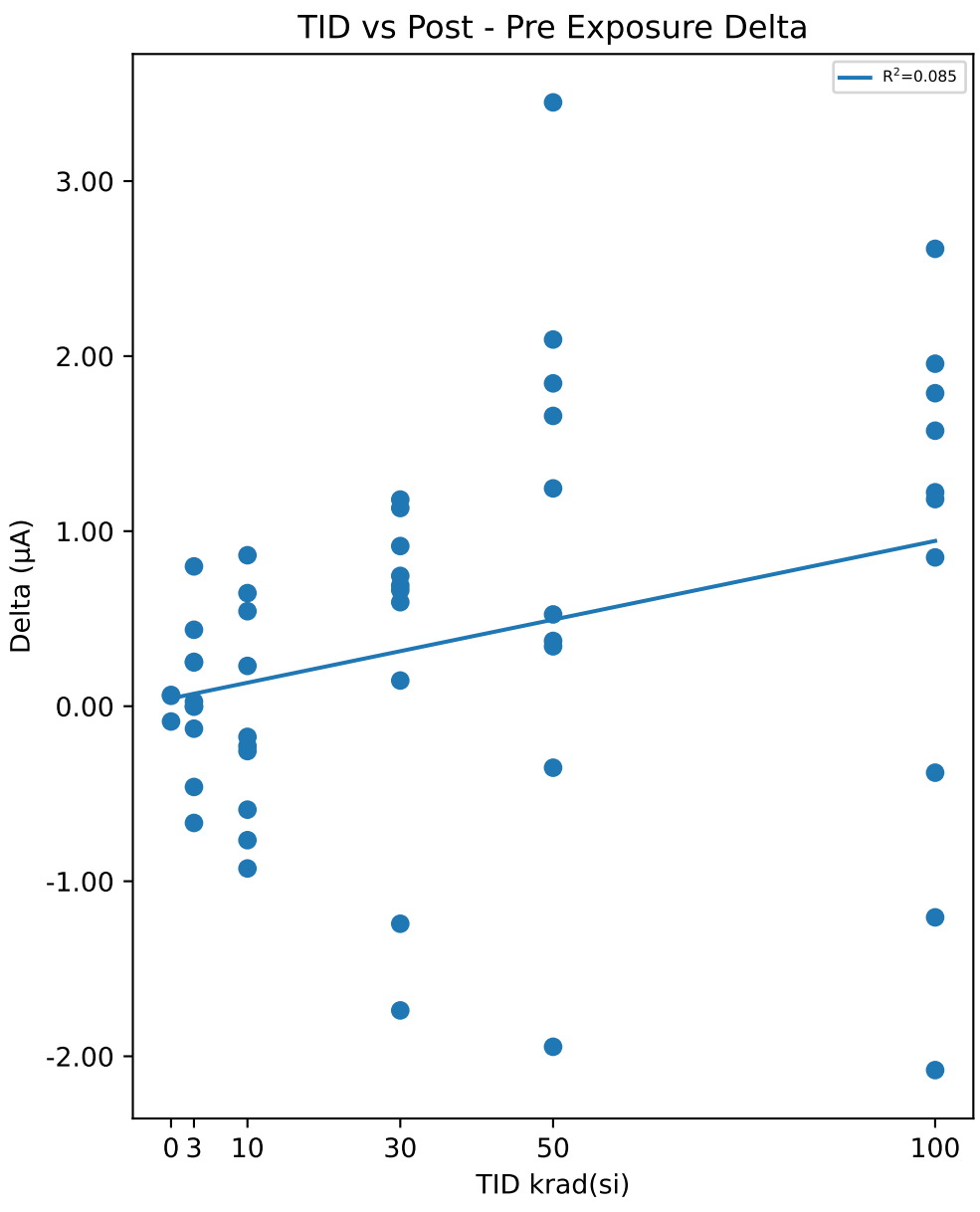
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
390	100	Biased	1719.5	1732.1	12.596
392	100	Biased	1537.5	1541.8	4.2742
393	100	Biased	1496.9	1491.1	-5.7871
394	100	Biased	1658.1	1676.5	18.391
395	100	Biased	1562.4	1563.5	1.092
412	100	Unbiased	1587.9	1600.4	12.542
413	100	Unbiased	1703.6	1672.2	-31.464
414	100	Unbiased	1463.6	1450.4	-13.222
415	100	Unbiased	1627.8	1601.5	-26.284
416	100	Unbiased	1650.2	1647.7	-2.5201
417	50	Biased	1528.7	1551.6	22.825
418	50	Biased	1474.2	1480.6	6.414
419	50	Biased	1590.4	1594.8	4.3541
421	50	Biased	1714	1747.3	33.256
422	50	Biased	1564.3	1550.5	-13.748
423	50	Unbiased	1695.8	1697.5	1.6728
424	50	Unbiased	1485.4	1506.5	21.161
425	50	Unbiased	1517.1	1523.9	6.7384
426	50	Unbiased	1594.8	1592.4	-2.3614
427	50	Unbiased	1750.5	1721.5	-28.954
463	0	Corr	1523.8	1530.2	6.4208
464	0	Corr	1548.8	1549.1	0.2646
465	0	Corr	1599.5	1592.8	-6.6818
466	30	Biased	1561	1566.4	5.436
469	30	Biased	1668.4	1663.2	-5.2018
470	30	Biased	1635.5	1639.2	3.6432
472	30	Biased	1580.8	1575.8	-5.0188
474	30	Biased	1490.1	1481.9	-8.1602
475	30	Unbiased	1540.3	1558.7	18.404
477	30	Unbiased	1619.5	1642.1	22.581
478	30	Unbiased	1658.3	1660.1	1.8378
479	30	Unbiased	1671.7	1656.9	-14.826
480	30	Unbiased	1593.5	1606.8	13.284
481	10	Biased	1462.9	1466.1	3.2022
482	10	Biased	1542.8	1539	-3.7573
483	10	Biased	1583.4	1576.5	-6.9631
484	10	Biased	1534.3	1496	-38.274
485	10	Biased	1587	1589.4	2.3756
487	10	Unbiased	1786.8	1742.9	-43.947
488	10	Unbiased	1590	1600.2	10.176
489	10	Unbiased	1663.7	1659	-4.6968
490	10	Unbiased	1586	1573.9	-12.022
491	10	Unbiased	1542.5	1530	-12.548
492	3	Biased	1558.5	1547.9	-10.604
493	3	Biased	1507.2	1502.1	-5.0605
494	3	Biased	1685.6	1692.1	6.4942
495	3	Biased	1609.3	1629.8	20.504
496	3	Biased	1699.7	1698	-1.7546
497	3	Unbiased	1522.2	1523.5	1.2509
498	3	Unbiased	1550.9	1551.5	0.6669
499	3	Unbiased	1499.9	1498.1	-1.8349
500	3	Unbiased	1655.7	1662.7	6.9823
502	3	Unbiased	1544.8	1543	-1.7546

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	1523.8	1557.4	1599.5	38.589	1530.2	1557.4	1592.8	32.132	-6.6818	0.0012	6.4208	6.5553
3	1499.9	1583.4	1699.7	74.213	1498.1	1584.9	1698	77.993	-10.604	1.489	20.504	8.4246
10	1462.9	1587.9	1786.8	86.894	1466.1	1577.3	1742.9	79.905	-43.947	-10.645	10.176	17.541
30	1490.1	1601.9	1671.7	60.01	1481.9	1605.1	1663.2	58.977	-14.826	3.1979	22.581	12.054
50	1474.2	1591.5	1750.5	97.981	1480.6	1596.7	1747.3	93.988	-28.954	5.1357	33.256	18.111
100	1463.6	1600.8	1719.5	85.891	1450.4	1597.7	1732.1	88.008	-31.464	-3.0383	18.391	16.589

Device Test: 18.5 EA_SOURCE(ERROR_AMP|STATIC/COMP/5////@EA_SOURCE)





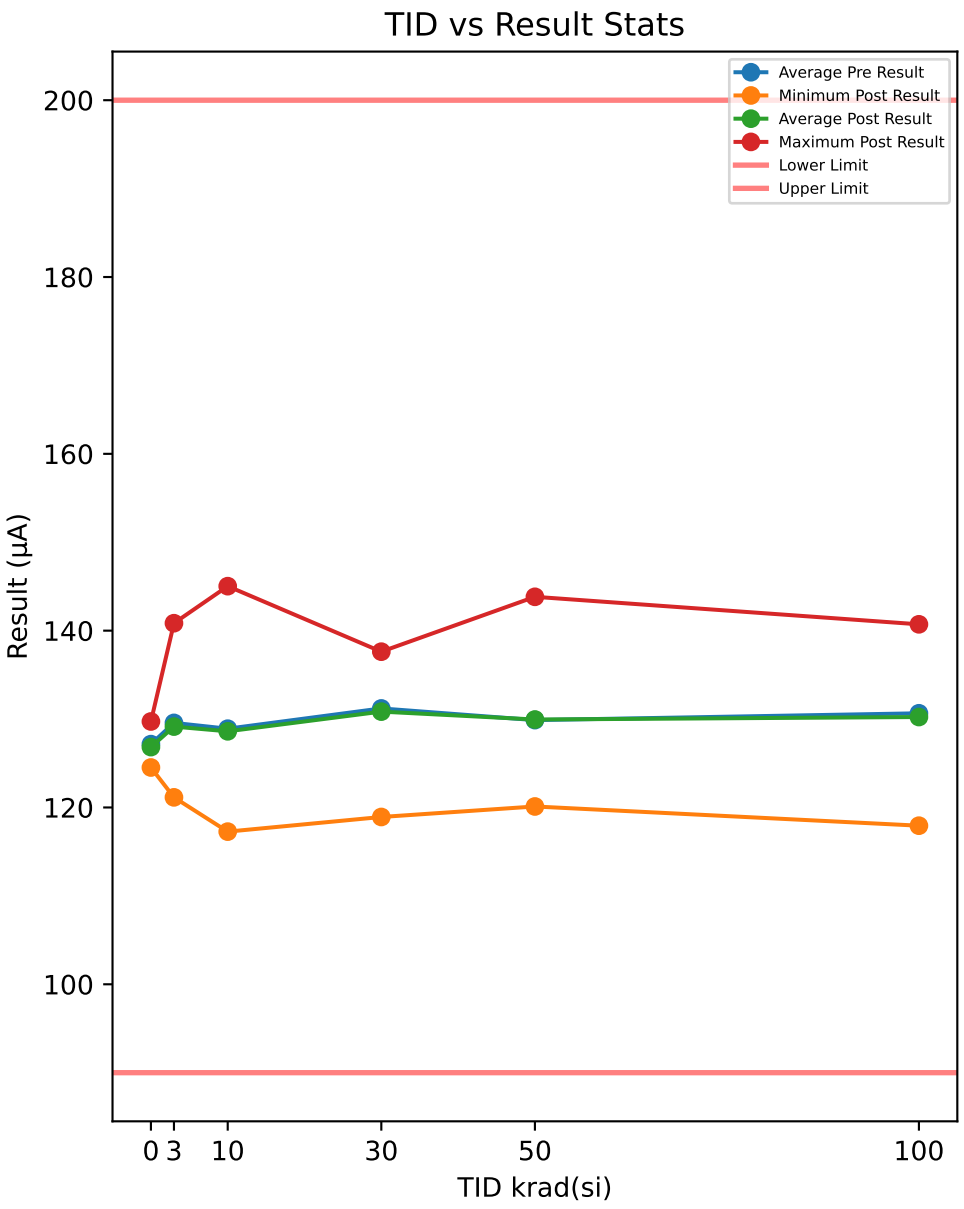
Test Results (Lower Limit = 90.0, Upper Limit = 200.0 (µA))

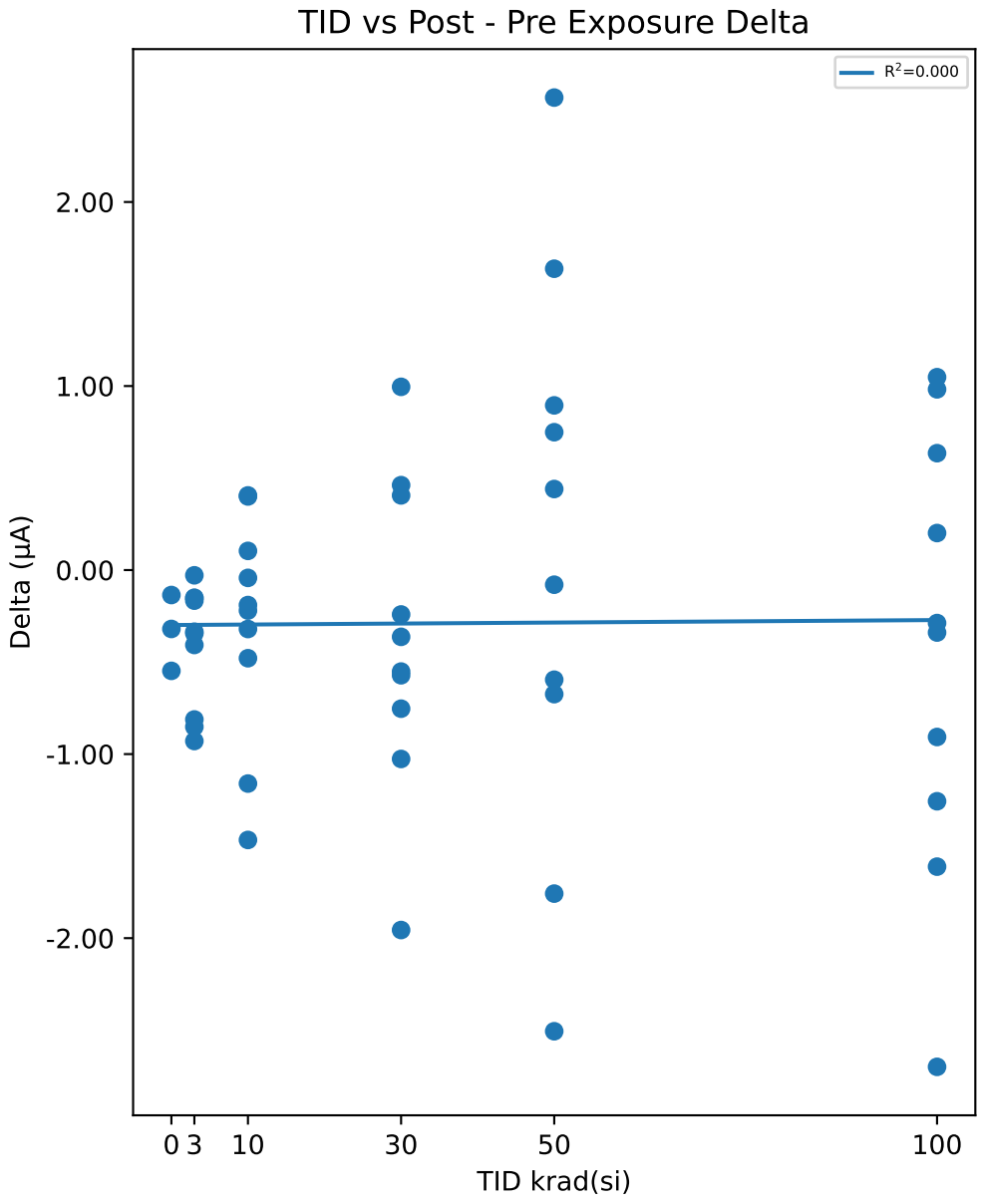
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
390	100	Biased	141.04	143.65	2.6131
392	100	Biased	123.73	125.69	1.9567
393	100	Biased	119.74	119.36	-0.3798
394	100	Biased	136.95	138.13	1.1831
395	100	Biased	125.6	126.45	0.85
412	100	Unbiased	128.27	129.85	1.574
413	100	Unbiased	138.32	137.12	-1.2064
414	100	Unbiased	115.23	116.45	1.2223
415	100	Unbiased	131.17	129.1	-2.079
416	100	Unbiased	134.37	136.16	1.7882
417	50	Biased	122.33	124.42	2.0948
418	50	Biased	118.32	118.84	0.5243
419	50	Biased	127.57	128.81	1.2444
421	50	Biased	140.54	142.2	1.6585
422	50	Biased	126.79	126.44	-0.3515
423	50	Unbiased	138.73	139.07	0.3421
424	50	Unbiased	119.38	122.83	3.4497
425	50	Unbiased	122.15	124	1.8444
426	50	Unbiased	129.79	130.16	0.373
427	50	Unbiased	144.42	142.48	-1.9458
463	0	Corr	123.37	123.44	0.0644
464	0	Corr	125.87	125.78	-0.0874
465	0	Corr	129.15	129.2	0.0592
466	30	Biased	126.88	128.06	1.1806
469	30	Biased	135.57	136.49	0.9149
470	30	Biased	132.2	132.89	0.69
472	30	Biased	127.73	128.47	0.7444
474	30	Biased	120.81	119.07	-1.738
475	30	Unbiased	125.95	127.08	1.1321
477	30	Unbiased	134.33	134.47	0.1466
478	30	Unbiased	134.69	135.35	0.6631
479	30	Unbiased	135.36	134.11	-1.2429
480	30	Unbiased	131.03	131.63	0.5941
481	10	Biased	116.52	117.17	0.6462
482	10	Biased	123.82	124.69	0.8625
483	10	Biased	129.19	129.02	-0.1752
484	10	Biased	122.65	121.89	-0.7654
485	10	Biased	128.66	128.89	0.2302
487	10	Unbiased	145.8	144.87	-0.9271
488	10	Unbiased	128.54	129.08	0.5427
489	10	Unbiased	134.87	134.65	-0.2276
490	10	Unbiased	127.48	127.22	-0.2565
491	10	Unbiased	123.98	123.39	-0.5911
492	3	Biased	125.32	124.66	-0.6669
493	3	Biased	121.75	122.19	0.4367
494	3	Biased	138.65	138.65	-0.002
495	3	Biased	131.83	132.63	0.7987
496	3	Biased	138.98	138.98	-0.0014
497	3	Unbiased	122.2	122.45	0.25
498	3	Unbiased	126.48	126.02	-0.4615
499	3	Unbiased	120.39	120.26	-0.1285
500	3	Unbiased	136.92	136.94	0.0262
502	3	Unbiased	124.18	124.44	0.2535

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	123.37	126.13	129.15	2.8957	123.44	126.14	129.2	2.9011	-0.0874	0.012067	0.0644	0.08618
3	120.39	128.67	138.98	7.2896	120.26	128.72	138.98	7.3206	-0.6669	0.05048	0.7987	0.42228
10	116.52	128.15	145.8	7.8886	117.17	128.09	144.87	7.5953	-0.9271	-0.06613	0.8625	0.61539
30	120.81	130.45	135.57	4.9445	119.07	130.76	136.49	5.2371	-1.738	0.30849	1.1806	0.99837
50	118.32	129	144.42	9.2575	118.84	129.92	142.48	8.4583	-1.9458	0.92339	3.4497	1.4871
100	115.23	129.44	141.04	8.4458	116.45	130.19	143.65	8.6257	-2.079	0.75222	2.6131	1.4986

Device Test: 18.6 EA_SINK(ERROR_AMP|STATIC/COMP/5////@EA_SINK)





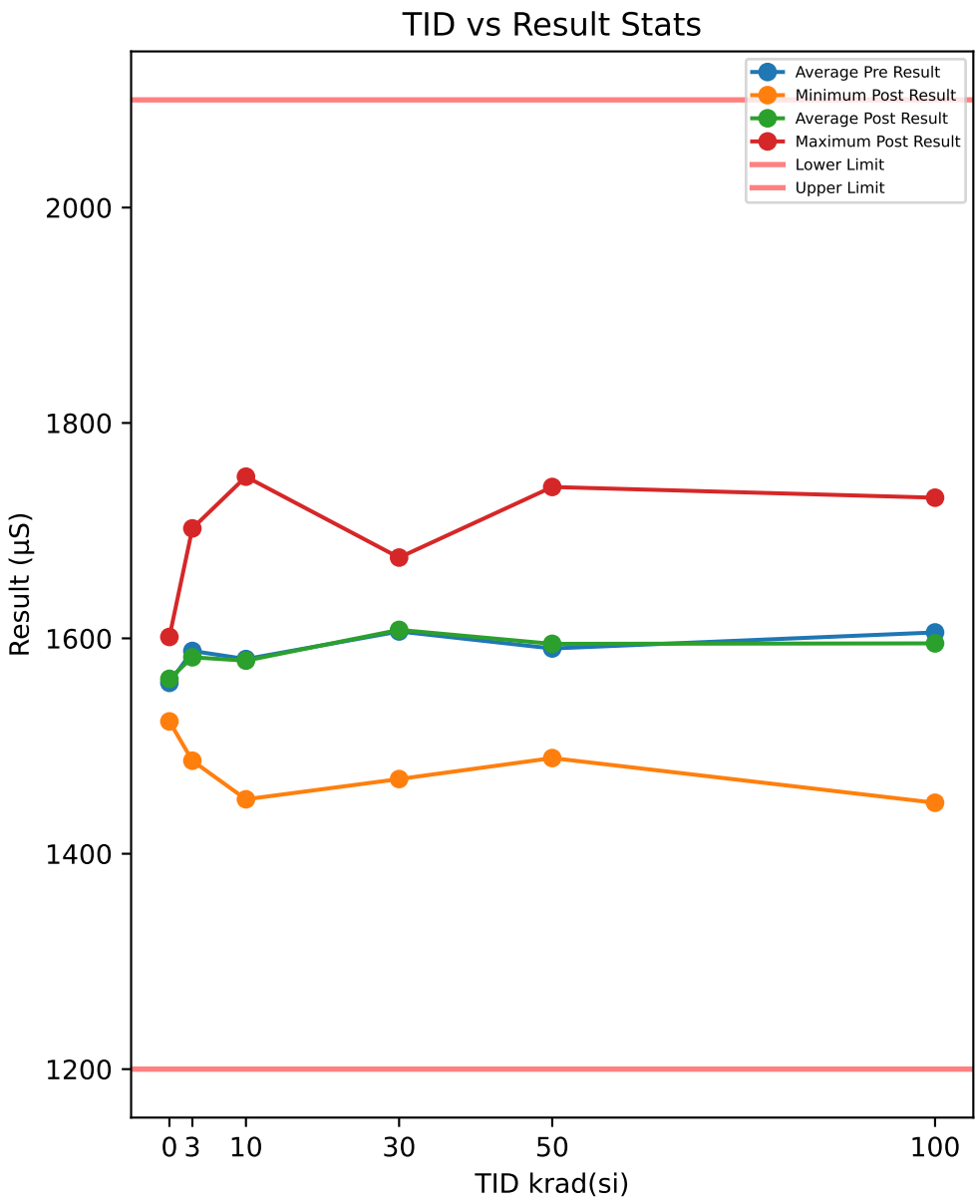
Test Results (Lower Limit = 90.0, Upper Limit = 200.0 (µA))

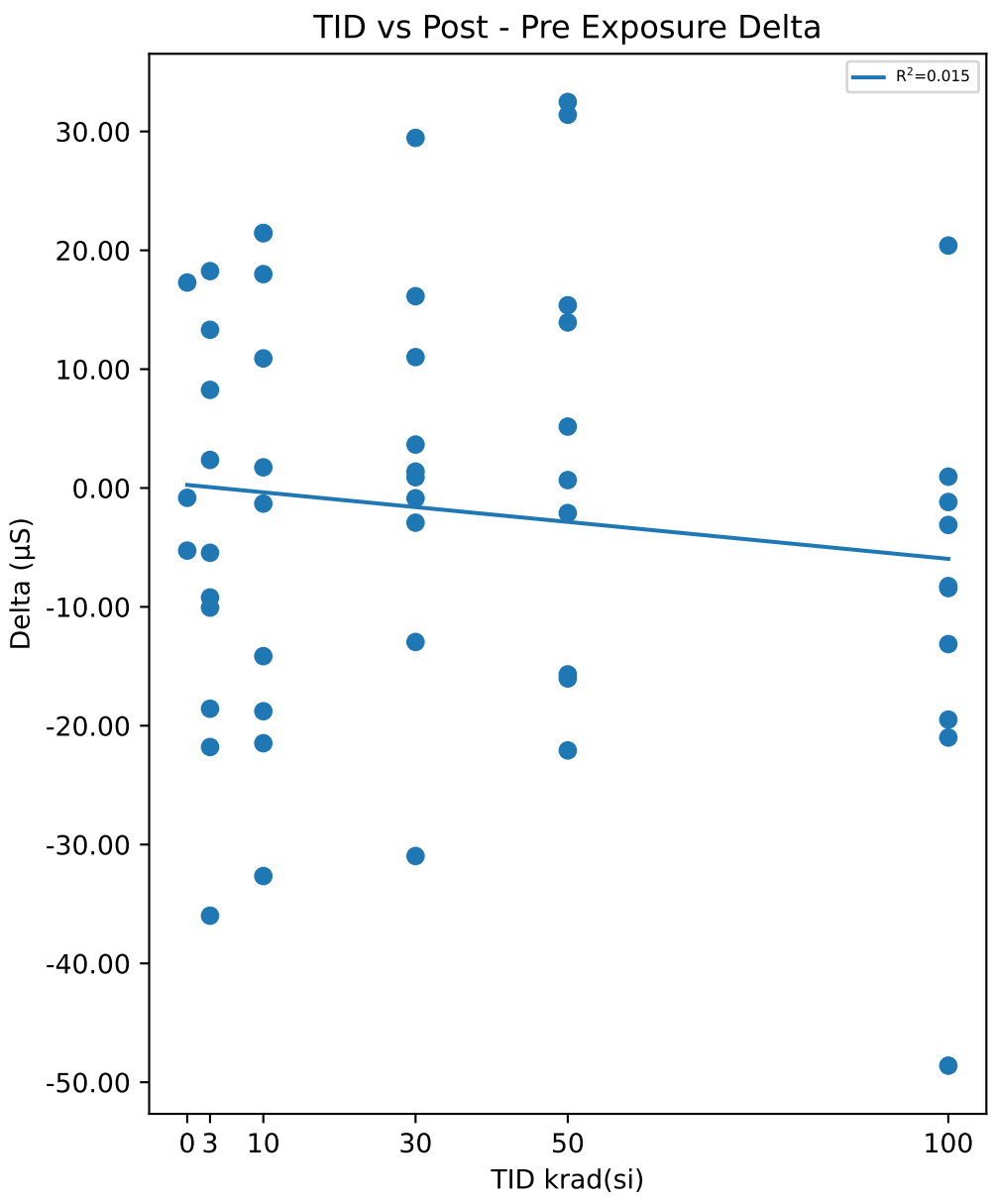
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
390	100	Biased	139.67	140.72	1.0481
392	100	Biased	124.34	124	-0.3394
393	100	Biased	121.66	120.75	-0.907
394	100	Biased	138.5	136.89	-1.6116
395	100	Biased	127.34	127.98	0.6352
412	100	Unbiased	129.03	130.01	0.9821
413	100	Unbiased	138.19	138.39	0.2012
414	100	Unbiased	118.23	117.94	-0.2879
415	100	Unbiased	133.44	130.74	-2.6994
416	100	Unbiased	136.14	134.89	-1.2563
417	50	Biased	123.97	124.86	0.8949
418	50	Biased	120.79	120.11	-0.6742
419	50	Biased	129.85	130.6	0.7491
421	50	Biased	141.26	143.83	2.5674
422	50	Biased	126.56	124.8	-1.7581
423	50	Unbiased	138.48	138.4	-0.0796
424	50	Unbiased	119.54	121.18	1.6374
425	50	Unbiased	123.35	123.79	0.4404
426	50	Unbiased	129.67	129.07	-0.5957
427	50	Unbiased	145.35	142.84	-2.506
463	0	Corr	124.66	124.52	-0.1356
464	0	Corr	126.56	126.24	-0.3199
465	0	Corr	130.27	129.73	-0.5477
466	30	Biased	126.39	126.85	0.4615
469	30	Biased	136.83	136.28	-0.5515
470	30	Biased	134.35	133.78	-0.5716
472	30	Biased	128.78	128.41	-0.3628
474	30	Biased	120.88	118.92	-1.9559
475	30	Unbiased	126.75	126.51	-0.2413
477	30	Unbiased	133.58	132.56	-1.0264
478	30	Unbiased	136.63	137.62	0.9957
479	30	Unbiased	137.69	136.93	-0.7532
480	30	Unbiased	130.15	130.56	0.4057
481	10	Biased	117.59	117.27	-0.3203
482	10	Biased	124.28	124.24	-0.0425
483	10	Biased	127.65	127.76	0.1042
484	10	Biased	123.56	122.1	-1.4665
485	10	Biased	129.99	129.77	-0.2199
487	10	Unbiased	146.19	145.03	-1.1601
488	10	Unbiased	130.07	130.48	0.4056
489	10	Unbiased	135.6	136	0.3999
490	10	Unbiased	129.18	128.99	-0.1901
491	10	Unbiased	124.98	124.5	-0.479
492	3	Biased	126.84	125.91	-0.929
493	3	Biased	121.63	121.28	-0.3443
494	3	Biased	139.87	139.06	-0.8118
495	3	Biased	133.74	133.59	-0.1506
496	3	Biased	140.87	140.84	-0.0285
497	3	Unbiased	124.22	124.07	-0.1521
498	3	Unbiased	126.36	125.51	-0.8518
499	3	Unbiased	121.55	121.14	-0.407
500	3	Unbiased	135.49	135.15	-0.3351
502	3	Unbiased	125.09	124.93	-0.1662

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	124.66	127.16	130.27	2.8571	124.52	126.83	129.73	2.6524	-0.5477	-0.3344	-0.1356	0.20643
3	121.55	129.57	140.87	7.3029	121.14	129.15	140.84	7.3333	-0.929	-0.41764	-0.0285	0.32899
10	117.59	128.91	146.19	7.7541	117.27	128.61	145.03	7.724	-1.4665	-0.29687	0.4056	0.61181
30	120.88	131.2	137.69	5.53	118.92	130.84	137.62	5.8395	-1.9559	-0.35998	0.9957	0.83933
50	119.54	129.88	145.35	8.9514	120.11	129.95	143.83	8.7914	-2.506	0.06756	2.5674	1.5264
100	118.23	130.65	139.67	7.6462	117.94	130.23	140.72	7.6559	-2.6994	-0.4235	1.0481	1.2109

Device Test: 18.7 EA_GM(EA|STATIC/COMP/12////@EA_GM)





Test Results (Lower Limit = 1200.0, Upper Limit = 2100.0 (µS))

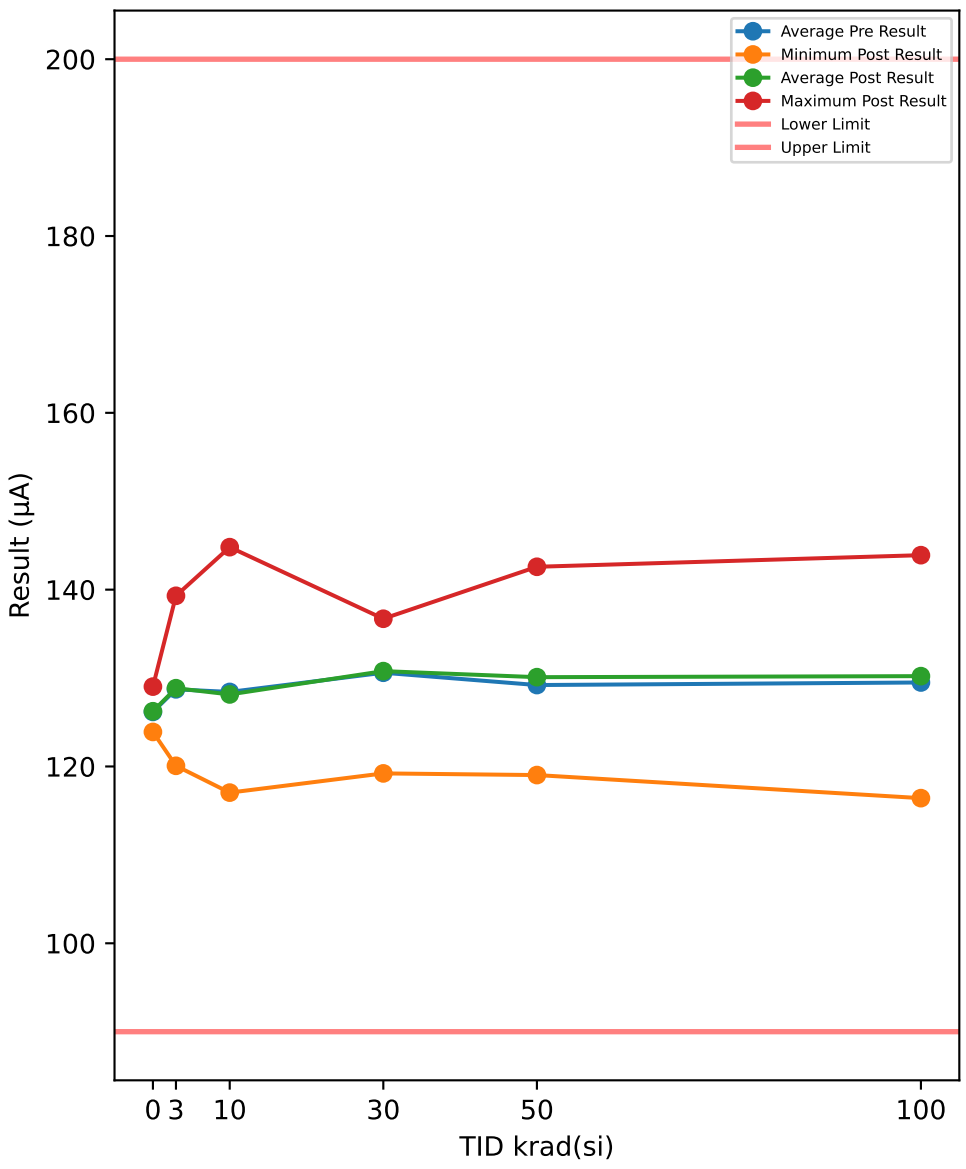
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
390	100	Biased	1729.6	1730.6	0.9545
392	100	Biased	1542.5	1529.4	-13.133
393	100	Biased	1492.9	1489.8	-3.1087
394	100	Biased	1693.3	1673.9	-19.488
395	100	Biased	1564.3	1555.8	-8.4208
412	100	Unbiased	1579.2	1599.6	20.4
413	100	Unbiased	1692.1	1683.9	-8.2539
414	100	Unbiased	1468.3	1447.3	-20.996
415	100	Unbiased	1631	1582.4	-48.603
416	100	Unbiased	1661.8	1660.6	-1.1761
417	50	Biased	1508.6	1540	31.406
418	50	Biased	1483.7	1488.8	5.1678
419	50	Biased	1580.2	1594.1	13.934
421	50	Biased	1708.1	1740.6	32.482
422	50	Biased	1566.8	1550.7	-16.024
423	50	Unbiased	1704.4	1688.7	-15.68
424	50	Unbiased	1484.2	1499.6	15.376
425	50	Unbiased	1526.4	1524.2	-2.1079
426	50	Unbiased	1586.2	1586.8	0.6676
427	50	Unbiased	1757.5	1735.4	-22.08
463	0	Corr	1528.1	1522.9	-5.2641
464	0	Corr	1545.8	1563.1	17.289
465	0	Corr	1602.1	1601.3	-0.8257
466	30	Biased	1555.8	1566.8	11.013
469	30	Biased	1677.9	1675	-2.9149
470	30	Biased	1640.1	1641	0.9063
472	30	Biased	1583.8	1587.5	3.6567
474	30	Biased	1500.3	1469.4	-30.964
475	30	Unbiased	1540.9	1557.1	16.139
477	30	Unbiased	1656.2	1643.3	-12.953
478	30	Unbiased	1639.1	1668.6	29.458
479	30	Unbiased	1666.5	1667.9	1.3834
480	30	Unbiased	1603.2	1602.4	-0.8652
481	10	Biased	1451.9	1450.6	-1.3118
482	10	Biased	1517.3	1538.8	21.459
483	10	Biased	1587.7	1568.9	-18.782
484	10	Biased	1523.4	1501.9	-21.473
485	10	Biased	1578.1	1589	10.903
487	10	Unbiased	1782.8	1750.1	-32.648
488	10	Unbiased	1577.9	1599.3	21.442
489	10	Unbiased	1650.4	1668.4	17.996
490	10	Unbiased	1584.9	1586.6	1.7386
491	10	Unbiased	1553.5	1539.4	-14.148
492	3	Biased	1562.2	1543.6	-18.57
493	3	Biased	1514.4	1505.2	-9.2116
494	3	Biased	1682.2	1684.6	2.3648
495	3	Biased	1609.6	1622.9	13.312
496	3	Biased	1693.8	1702.1	8.2571
497	3	Unbiased	1527.2	1521.7	-5.4505
498	3	Unbiased	1543.6	1561.8	18.249
499	3	Unbiased	1508.2	1486.4	-21.793
500	3	Unbiased	1692.6	1656.6	-35.985
502	3	Unbiased	1549.2	1539.2	-10.063

Test Statistics (µS)

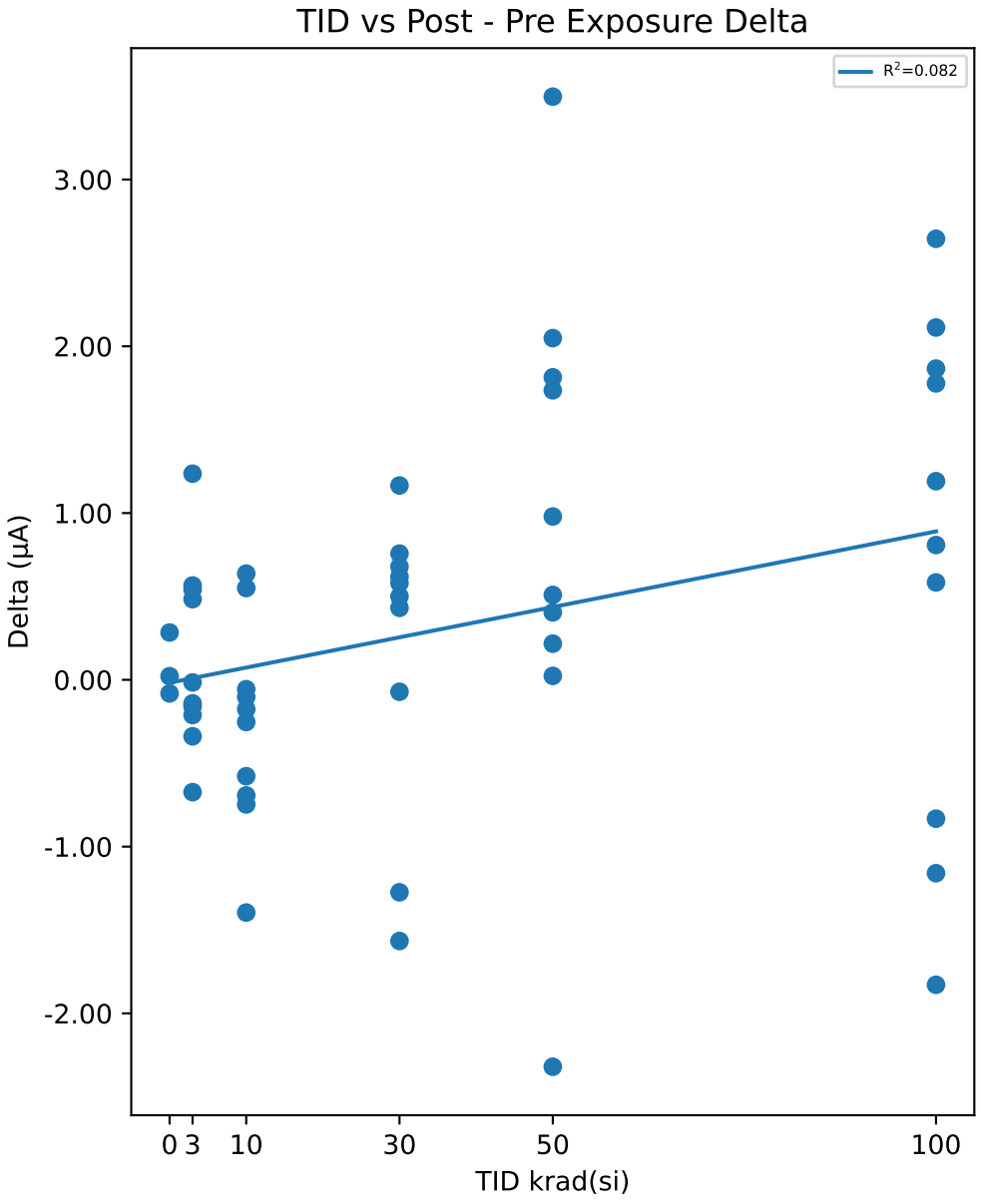
krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	1528.1	1558.7	1602.1	38.639	1522.9	1562.4	1601.3	39.213	-5.2641	3.7331	17.289	11.948
3	1508.2	1588.3	1693.8	75.37	1486.4	1582.4	1702.1	77.875	-35.985	-5.889	18.249	16.891
10	1451.9	1580.8	1782.8	88.451	1450.6	1579.3	1750.1	84.047	-32.648	-1.4822	21.459	19.51
30	1500.3	1606.4	1677.9	59.661	1469.4	1607.9	1675	65.018	-30.964	1.486	29.458	16.26
50	1483.7	1590.6	1757.5	99.389	1488.8	1594.9	1740.6	94.349	-22.08	4.3141	32.482	19.17
100	1468.3	1605.5	1729.6	89.635	1447.3	1595.3	1730.6	91.715	-48.603	-10.182	20.4	17.906

Device Test: 18.8 EA_SOURCE(ERROR_AMP|STATIC/COMP/12////@EA_SOURCE)

TID vs Result Stats



TID vs Post - Pre Exposure Delta



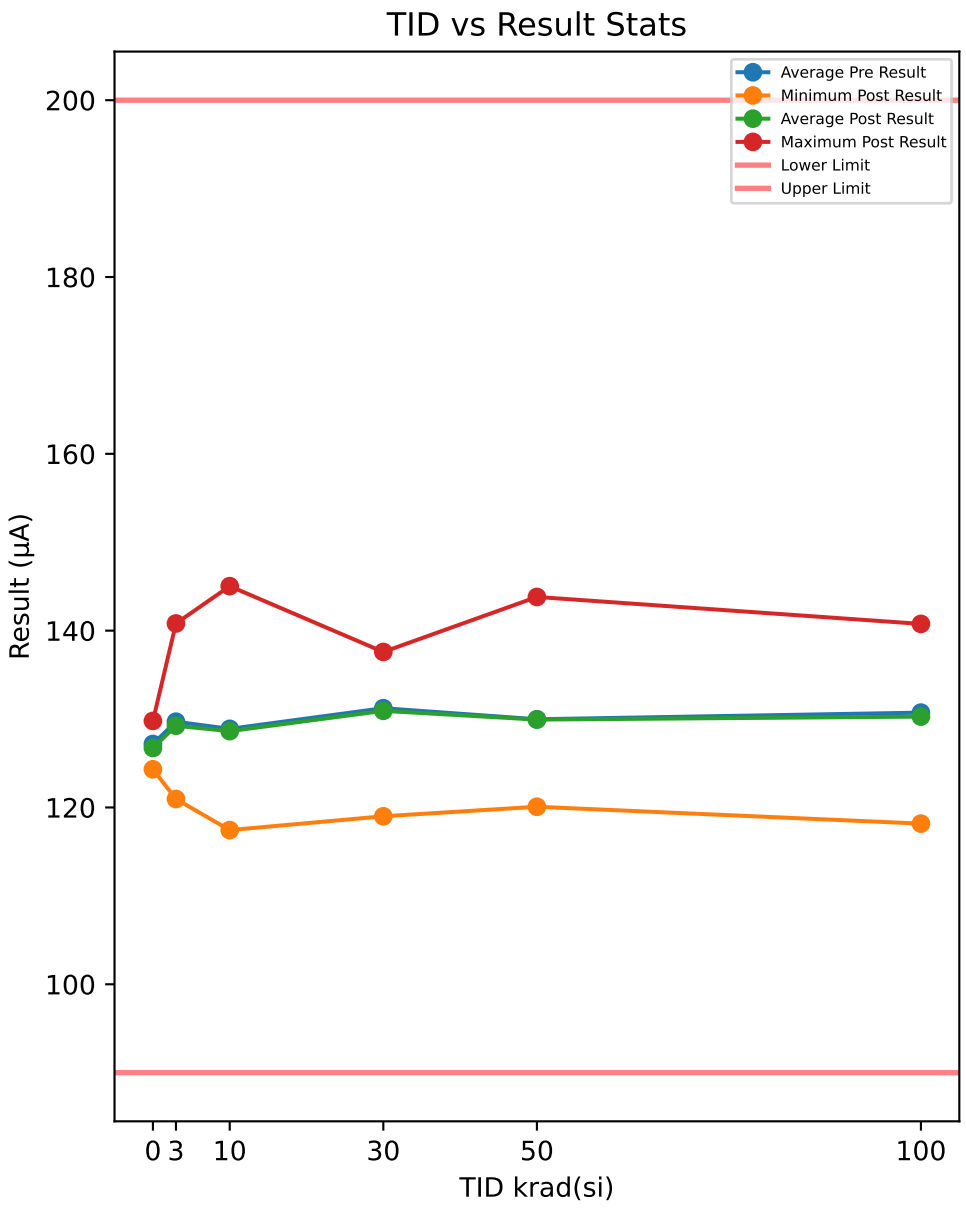
Test Results (Lower Limit = 90.0, Upper Limit = 200.0 (µA))

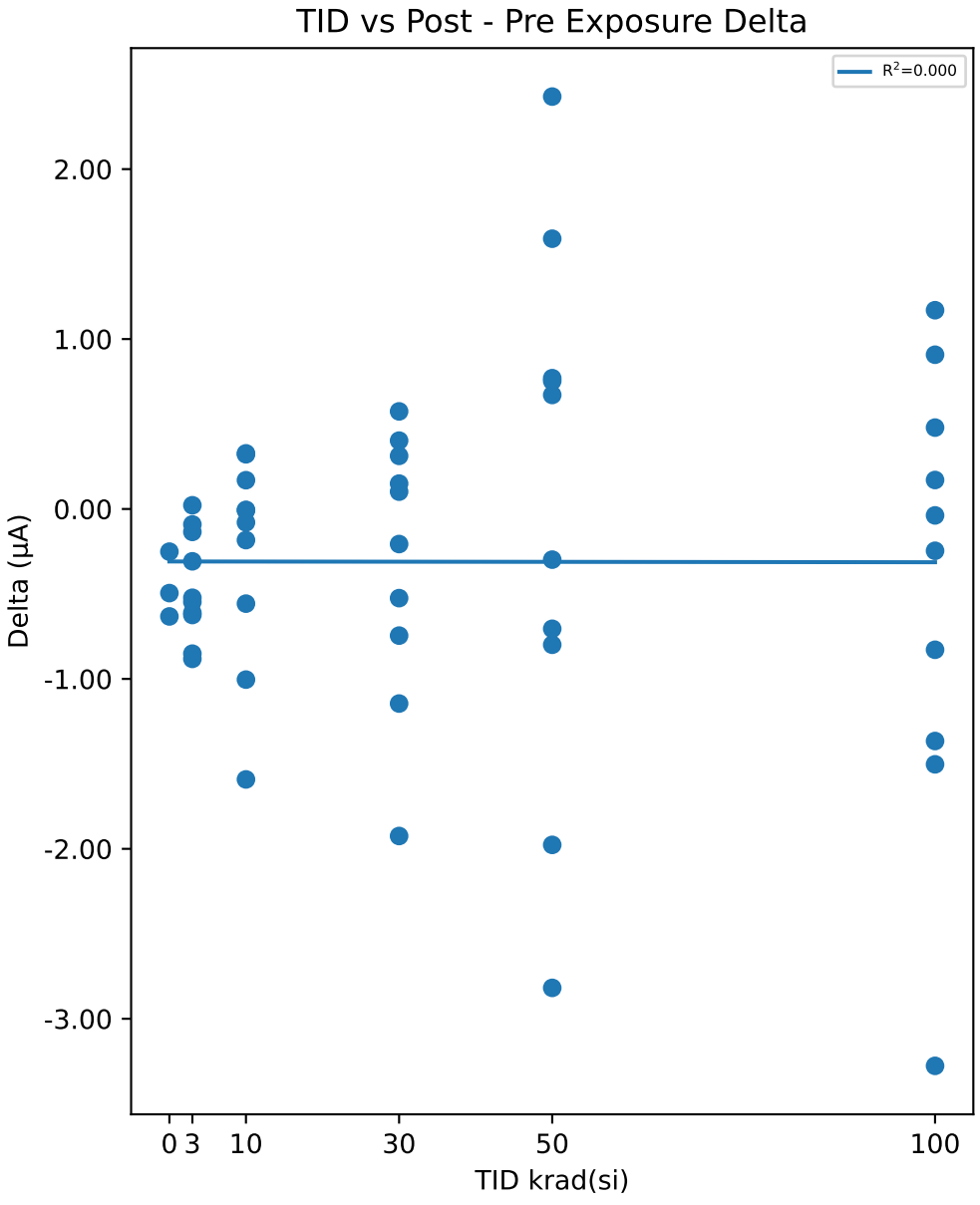
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
390	100	Biased	141.26	143.9	2.6447
392	100	Biased	123.59	125.7	2.1127
393	100	Biased	120.06	119.23	-0.8326
394	100	Biased	137.2	138.01	0.8083
395	100	Biased	125.53	126.11	0.5842
412	100	Unbiased	128.38	130.16	1.7774
413	100	Unbiased	138.27	137.12	-1.1595
414	100	Unbiased	115.23	116.42	1.1911
415	100	Unbiased	131.21	129.38	-1.8288
416	100	Unbiased	134.28	136.15	1.8662
417	50	Biased	122.73	124.47	1.736
418	50	Biased	118.52	119.03	0.5091
419	50	Biased	127.98	128.95	0.9794
421	50	Biased	140.46	142.51	2.0491
422	50	Biased	126.79	126.81	0.0237
423	50	Unbiased	138.54	138.94	0.4043
424	50	Unbiased	119.66	123.15	3.497
425	50	Unbiased	122.54	124.36	1.8139
426	50	Unbiased	129.97	130.19	0.217
427	50	Unbiased	144.91	142.59	-2.3201
463	0	Corr	123.62	123.91	0.2837
464	0	Corr	125.78	125.8	0.0218
465	0	Corr	129.11	129.03	-0.0816
466	30	Biased	127.13	128.3	1.1654
469	30	Biased	136.09	136.71	0.6188
470	30	Biased	132.31	132.89	0.5807
472	30	Biased	127.77	128.2	0.4318
474	30	Biased	120.78	119.22	-1.5661
475	30	Unbiased	125.88	126.64	0.7568
477	30	Unbiased	134.73	134.66	-0.0716
478	30	Unbiased	134.76	135.44	0.6789
479	30	Unbiased	135.45	134.18	-1.274
480	30	Unbiased	131.1	131.6	0.5003
481	10	Biased	117.1	117.04	-0.0562
482	10	Biased	124.18	124.73	0.5505
483	10	Biased	129.4	129.14	-0.2531
484	10	Biased	122.59	122.01	-0.578
485	10	Biased	128.99	128.81	-0.1757
487	10	Unbiased	146.2	144.81	-1.3955
488	10	Unbiased	128.85	129.49	0.6371
489	10	Unbiased	134.92	134.82	-0.1024
490	10	Unbiased	128.01	127.31	-0.6932
491	10	Unbiased	124.06	123.31	-0.7472
492	3	Biased	125.32	124.98	-0.3386
493	3	Biased	121.78	122.26	0.4837
494	3	Biased	139.02	138.35	-0.6736
495	3	Biased	131.66	132.89	1.2361
496	3	Biased	139.45	139.3	-0.1412
497	3	Unbiased	122.33	122.31	-0.0156
498	3	Unbiased	126.56	126.34	-0.2113
499	3	Unbiased	120.24	120.08	-0.1601
500	3	Unbiased	136.87	137.41	0.542
502	3	Unbiased	124.03	124.59	0.5659

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	123.62	126.17	129.11	2.7678	123.91	126.24	129.03	2.5931	-0.0816	0.074633	0.2837	0.18829
3	120.24	128.72	139.45	7.4203	120.08	128.85	139.3	7.3914	-0.6736	0.12873	1.2361	0.56461
10	117.1	128.43	146.2	7.8825	117.04	128.15	144.81	7.6153	-1.3955	-0.28137	0.6371	0.60975
30	120.78	130.6	136.09	5.0544	119.22	130.78	136.71	5.2945	-1.5661	0.1821	1.1654	0.90049
50	118.52	129.21	144.91	9.1888	119.03	130.1	142.59	8.4047	-2.3201	0.89094	3.497	1.5494
100	115.23	129.5	141.26	8.4654	116.42	130.22	143.9	8.6905	-1.8288	0.71637	2.6447	1.5189

Device Test: 18.9 EA_SINK(ERROR_AMP|STATIC/COMP/12////@EA_SINK)





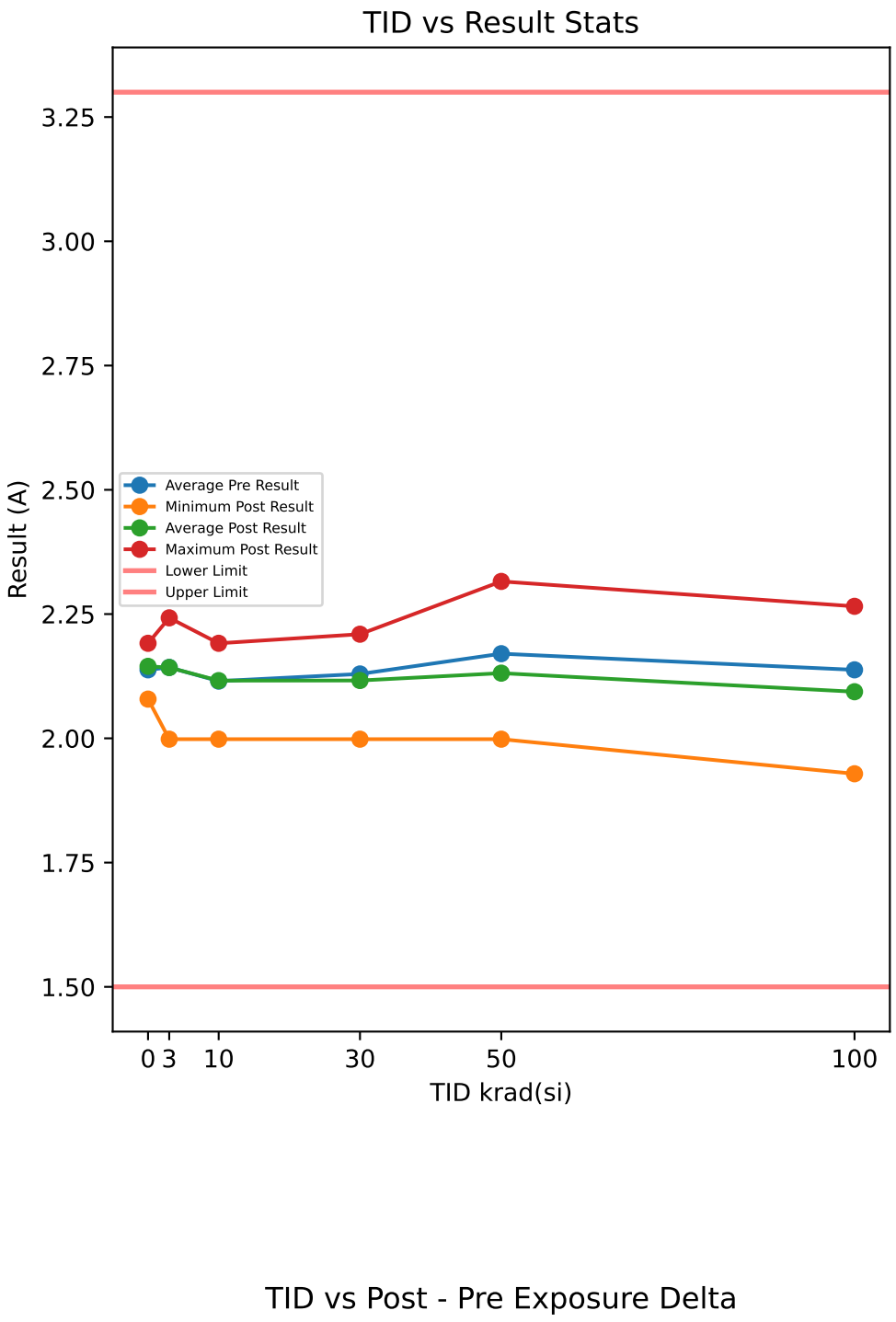
Test Results (Lower Limit = 90.0, Upper Limit = 200.0 (µA))

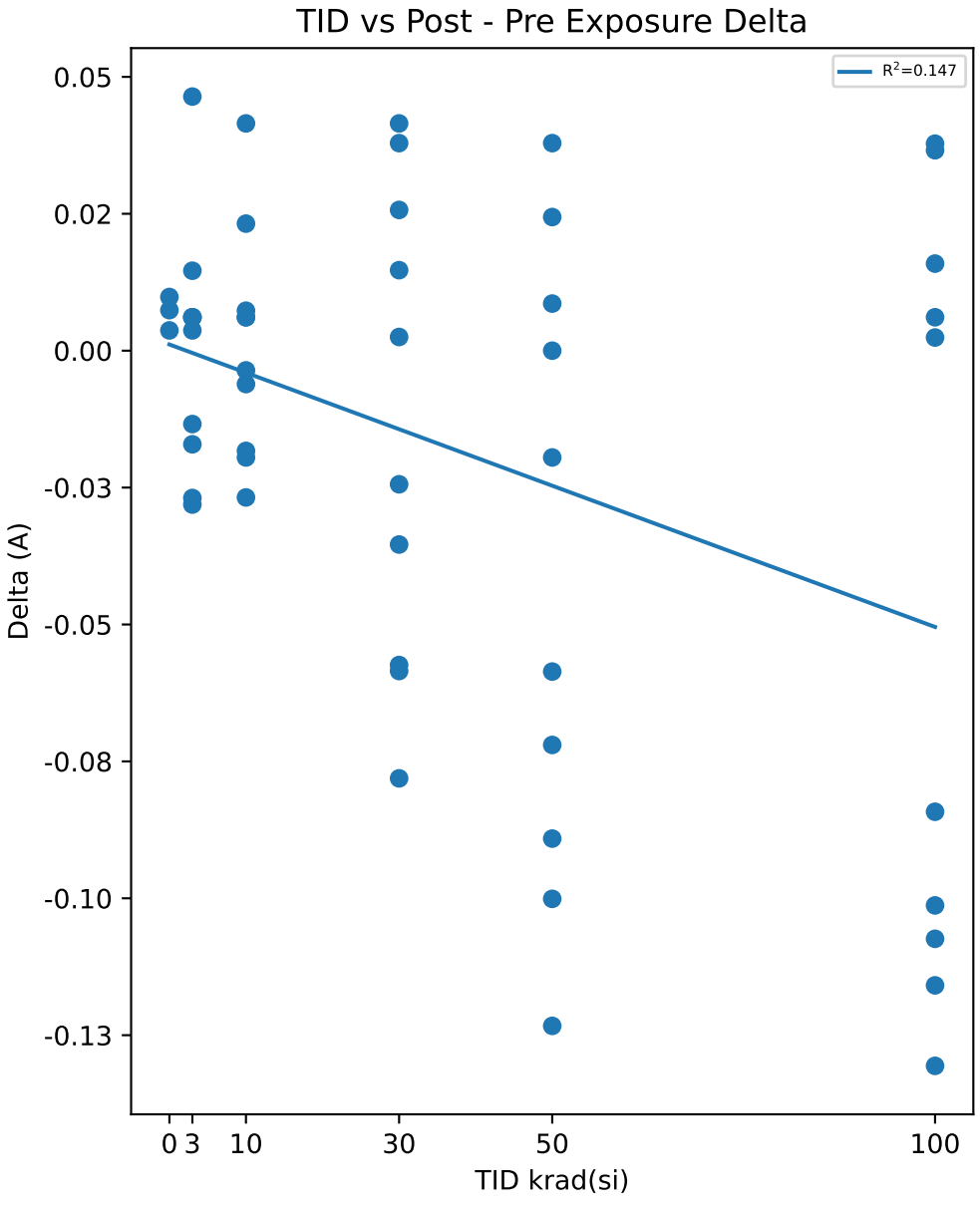
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
390	100	Biased	139.86	140.76	0.9078
392	100	Biased	124.11	123.86	-0.246
393	100	Biased	121.86	121.03	-0.8285
394	100	Biased	138.23	136.73	-1.5027
395	100	Biased	127.39	127.87	0.4789
412	100	Unbiased	129.03	130.2	1.1697
413	100	Unbiased	138.48	138.65	0.1705
414	100	Unbiased	118.21	118.17	-0.0378
415	100	Unbiased	133.85	130.57	-3.2771
416	100	Unbiased	136.27	134.9	-1.3655
417	50	Biased	123.95	124.72	0.7698
418	50	Biased	120.88	120.08	-0.799
419	50	Biased	129.9	130.57	0.671
421	50	Biased	141.38	143.81	2.4269
422	50	Biased	126.7	124.72	-1.9767
423	50	Unbiased	138.7	138.4	-0.2981
424	50	Unbiased	119.62	121.21	1.5905
425	50	Unbiased	123.28	124.04	0.7529
426	50	Unbiased	129.74	129.04	-0.705
427	50	Unbiased	145.61	142.8	-2.8182
463	0	Corr	124.81	124.32	-0.495
464	0	Corr	126.7	126.07	-0.6323
465	0	Corr	130.04	129.79	-0.2511
466	30	Biased	126.69	126.83	0.1494
469	30	Biased	137.14	136	-1.145
470	30	Biased	134.46	133.93	-0.5246
472	30	Biased	128.25	128.65	0.4023
474	30	Biased	120.93	119	-1.9245
475	30	Unbiased	126.44	126.54	0.102
477	30	Unbiased	133.46	132.71	-0.7452
478	30	Unbiased	137.02	137.59	0.5743
479	30	Unbiased	137.48	137.28	-0.2064
480	30	Unbiased	130.45	130.76	0.3125
481	10	Biased	117.45	117.44	-0.0079
482	10	Biased	124.33	124.15	-0.1831
483	10	Biased	127.59	127.58	-0.0053
484	10	Biased	123.56	121.97	-1.5915
485	10	Biased	130.06	129.98	-0.0791
487	10	Unbiased	146.04	145.03	-1.0041
488	10	Unbiased	130.04	130.37	0.3273
489	10	Unbiased	135.66	135.98	0.3218
490	10	Unbiased	129.13	129.3	0.1694
491	10	Unbiased	125.08	124.52	-0.557
492	3	Biased	126.89	126.01	-0.8821
493	3	Biased	121.82	121.27	-0.5472
494	3	Biased	140.07	139.45	-0.6239
495	3	Biased	133.8	133.67	-0.1349
496	3	Biased	140.9	140.81	-0.0909
497	3	Unbiased	124.47	124.16	-0.308
498	3	Unbiased	126.51	125.66	-0.8514
499	3	Unbiased	121.57	120.96	-0.6102
500	3	Unbiased	135.69	135.17	-0.5224
502	3	Unbiased	125.28	125.3	0.0218

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	124.81	127.18	130.04	2.6472	124.32	126.72	129.79	2.7943	-0.6323	-0.45947	-0.2511	0.19307
3	121.57	129.7	140.9	7.2957	120.96	129.24	140.81	7.3753	-0.8821	-0.45492	0.0218	0.31432
10	117.45	128.89	146.04	7.7377	117.44	128.63	145.03	7.7169	-1.5915	-0.26095	0.3273	0.61911
30	120.93	131.23	137.48	5.5997	119	130.93	137.59	5.8316	-1.9245	-0.30052	0.5743	0.78929
50	119.62	129.98	145.61	9.0231	120.08	129.94	143.81	8.7768	-2.8182	-0.03859	2.4269	1.6017
100	118.21	130.73	139.86	7.6977	118.17	130.28	140.76	7.6165	-3.2771	-0.45307	1.1697	1.3337

Device Test: 19.11 LOWSIDE_CURR_LIM_SINKING_25C(LEVEL|SINK/SW/14////@LOWSIDE_CURR_LIM_SINKING_25C)





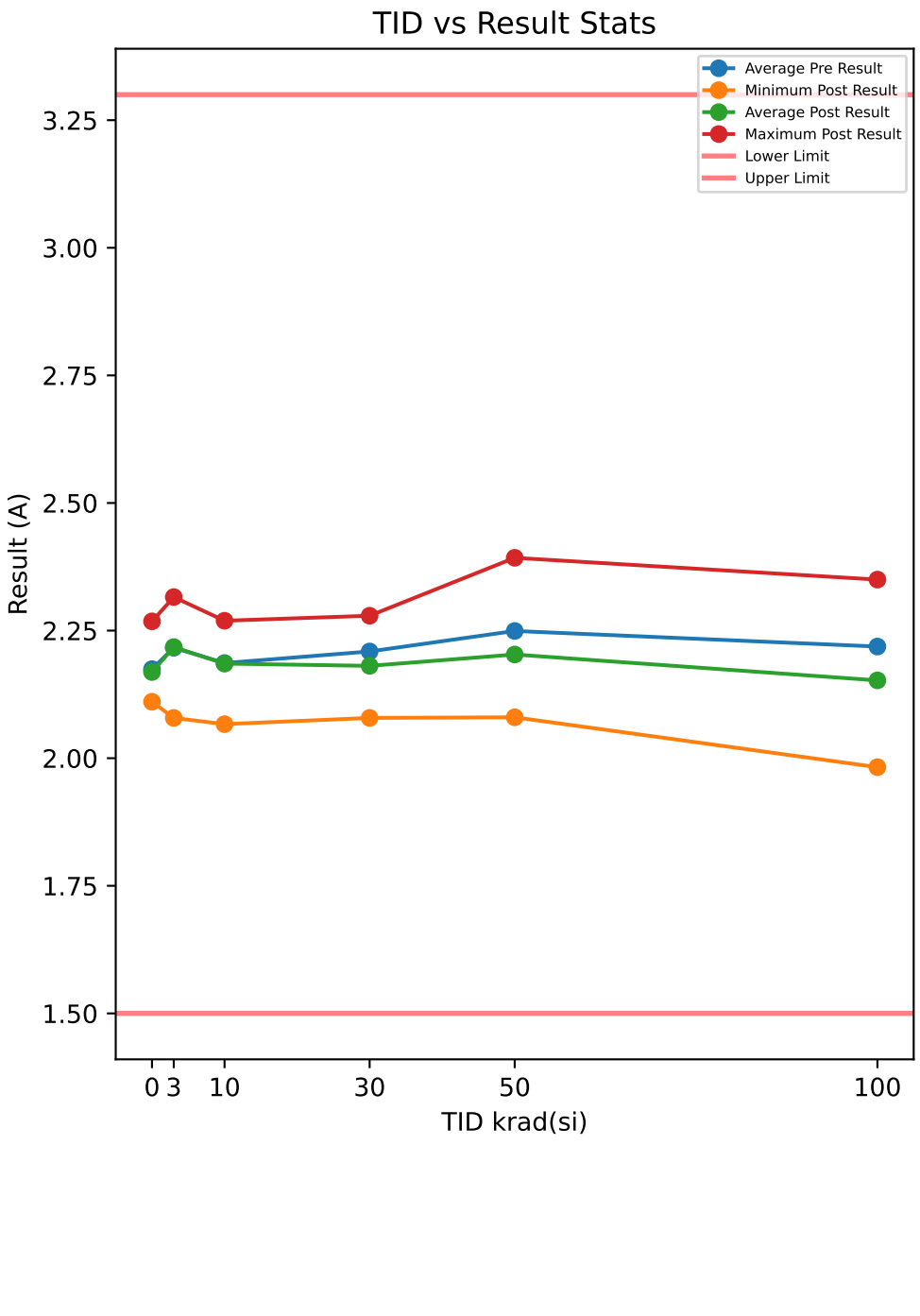
Test Results (Lower Limit = 1.5, Upper Limit = 3.3 (A))

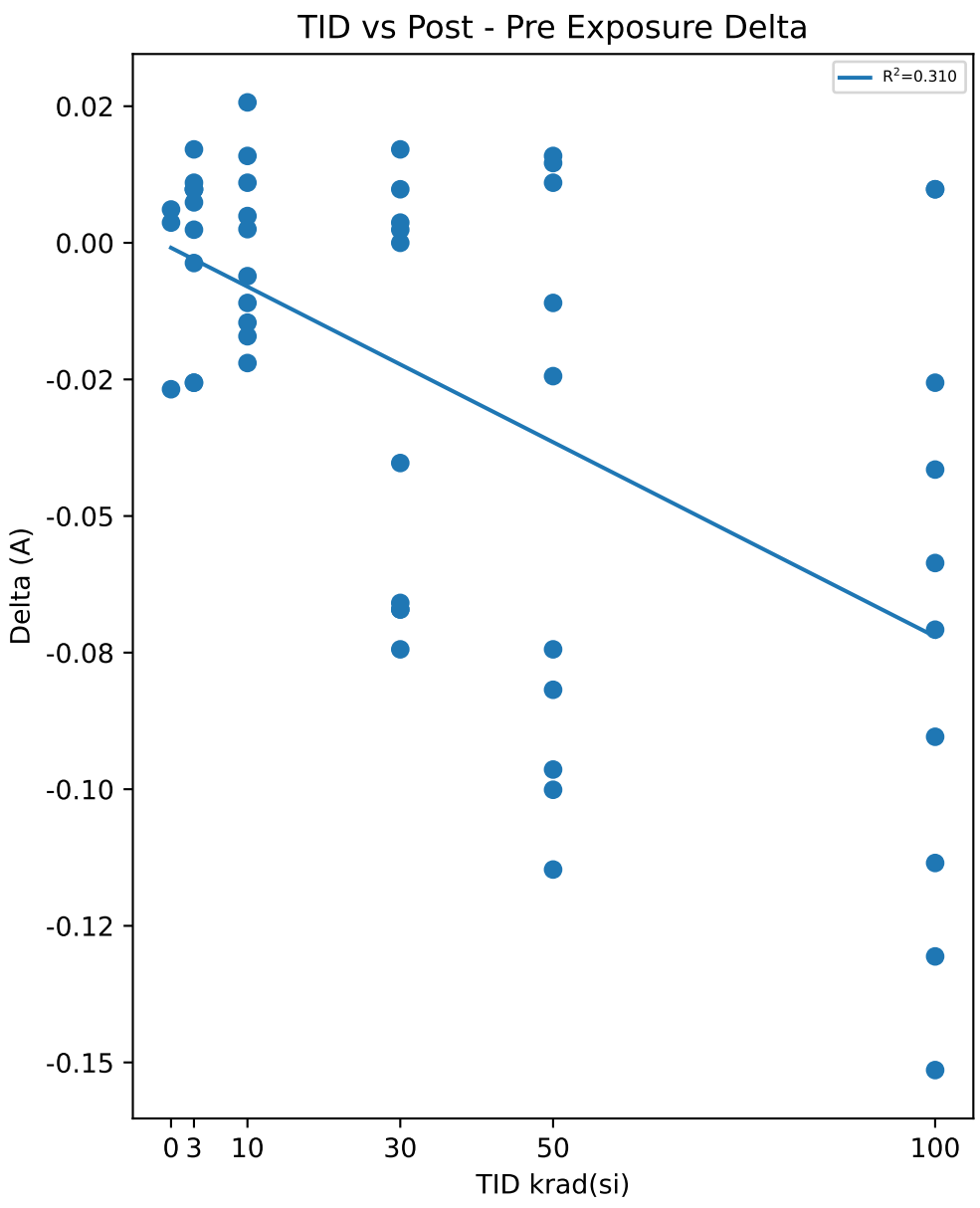
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
390	100	Biased	2.1948	2.0789	-0.1159
392	100	Biased	2.2278	2.1265	-0.1013
393	100	Biased	2.1948	2.0642	-0.1306
394	100	Biased	2.1838	2.1899	0.0061
395	100	Biased	2.1948	2.1106	-0.0842
412	100	Unbiased	1.9128	1.9287	0.0159
413	100	Unbiased	2.2632	2.2656	0.0024
414	100	Unbiased	2.0264	2.0642	0.0378
415	100	Unbiased	2.1045	1.9971	-0.1074
416	100	Unbiased	2.0752	2.1118	0.0366
417	50	Biased	2.1216	1.9983	-0.1233
418	50	Biased	2.2278	2.1277	-0.1001
419	50	Biased	2.1533	2.0642	-0.0891
421	50	Biased	2.124	2.0654	-0.0586
422	50	Biased	2.1045	2.0325	-0.072
423	50	Unbiased	2.1851	2.2095	0.0244
424	50	Unbiased	2.1265	2.1265	0
425	50	Unbiased	2.1545	2.1631	0.0086
426	50	Unbiased	2.2278	2.2083	-0.0195
427	50	Unbiased	2.2778	2.3157	0.0379
463	0	Corr	2.1545	2.1643	0.0098
464	0	Corr	2.0752	2.0789	0.0037
465	0	Corr	2.1838	2.1912	0.0074
466	30	Biased	2.1252	2.0667	-0.0585
469	30	Biased	2.2278	2.1924	-0.0354
470	30	Biased	2.0764	1.9983	-0.0781
472	30	Biased	2.1228	2.0654	-0.0574
474	30	Biased	2.1533	2.1289	-0.0244
475	30	Unbiased	2.1533	2.1912	0.0379
477	30	Unbiased	2.041	2.0667	0.0257
478	30	Unbiased	2.124	2.1655	0.0415
479	30	Unbiased	2.1948	2.2095	0.0147
480	30	Unbiased	2.0764	2.0789	0.0025
481	10	Biased	2.0422	2.0361	-0.0061
482	10	Biased	2.1838	2.1655	-0.0183
483	10	Biased	2.1948	2.1912	-0.0036
484	10	Biased	2.1533	2.1265	-0.0268
485	10	Biased	2.1838	2.1643	-0.0195
487	10	Unbiased	2.1851	2.1912	0.0061
488	10	Unbiased	2.1216	2.1277	0.0061
489	10	Unbiased	2.1045	2.1277	0.0232
490	10	Unbiased	1.991	2.0325	0.0415
491	10	Unbiased	1.991	1.9983	0.0073
492	3	Biased	2.2278	2.2107	-0.0171
493	3	Biased	2.0764	2.0801	0.0037
494	3	Biased	2.1228	2.1094	-0.0134
495	3	Biased	2.0264	1.9983	-0.0281
496	3	Biased	2.1558	2.1289	-0.0269
497	3	Unbiased	2.1838	2.1899	0.0061
498	3	Unbiased	2.1948	2.2412	0.0464
499	3	Unbiased	2.1069	2.113	0.0061
500	3	Unbiased	2.2278	2.2424	0.0146
502	3	Unbiased	2.1045	2.1106	0.0061

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	2.0752	2.1378	2.1838	0.056186	2.0789	2.1448	2.1912	0.058635	0.0037	0.0069667	0.0098	0.003073
3	2.0264	2.1427	2.2278	0.066765	1.9983	2.1424	2.2424	0.0778	-0.0281	-0.00025	0.0464	0.022301
10	1.991	2.1151	2.1948	0.080568	1.9983	2.1161	2.1912	0.069671	-0.0268	0.00099	0.0415	0.020715
30	2.041	2.1295	2.2278	0.056396	1.9983	2.1163	2.2095	0.071103	-0.0781	-0.01315	0.0415	0.043432
50	2.1045	2.1703	2.2778	0.057436	1.9983	2.1311	2.3157	0.096258	-0.1233	-0.03917	0.0379	0.056689
100	1.9128	2.1378	2.2632	0.10737	1.9287	2.0938	2.2656	0.093695	-0.1306	-0.04406	0.0378	0.069143

Device Test: 19.2 LOWSIDE_CURR_LIM_SINKING_25C(LEVEL|SINK/SW/4.5////@LOWSIDE_CURR_LIM_SINKING_25C)





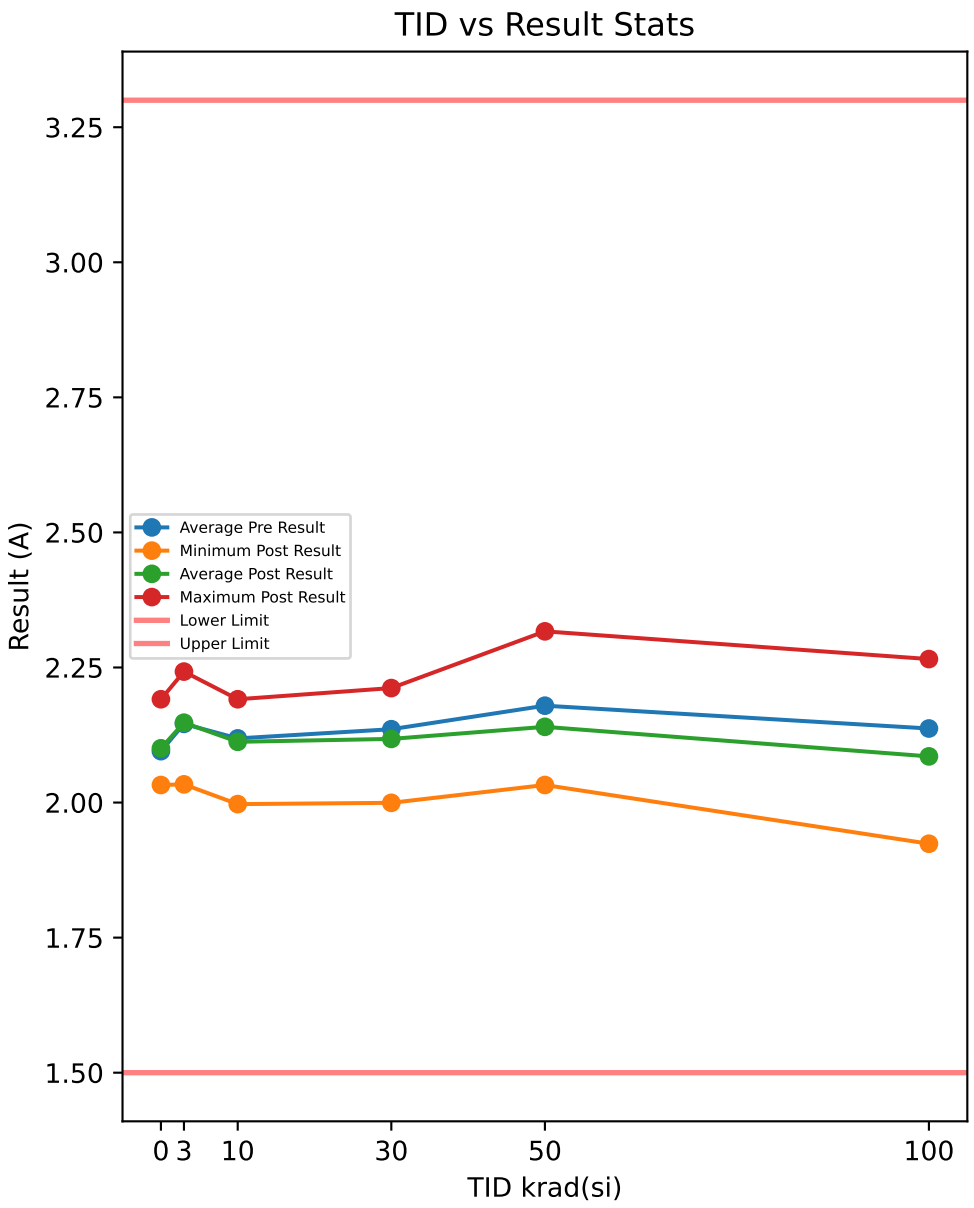
Test Results (Lower Limit = 1.5, Upper Limit = 3.3 (A))

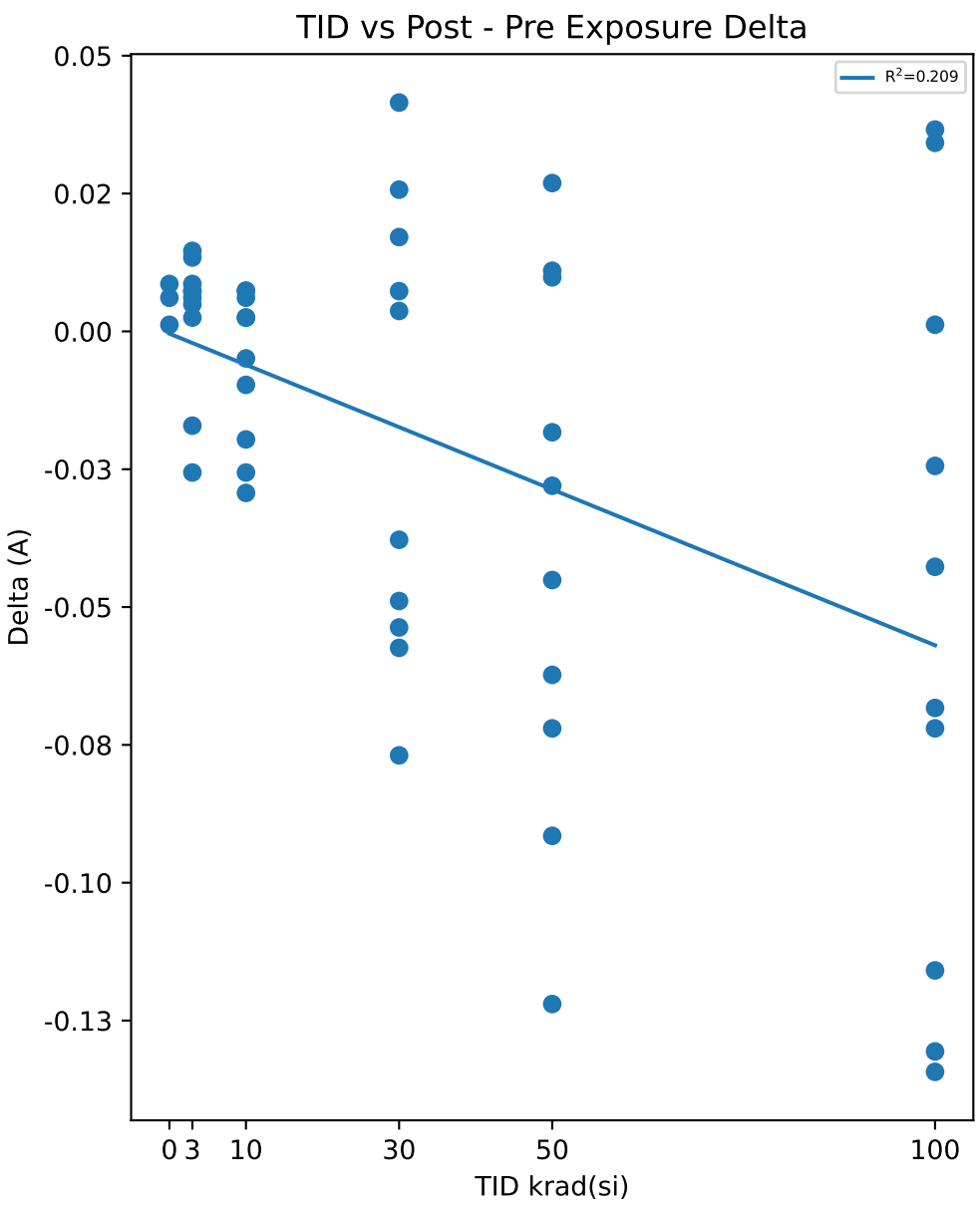
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
390	100	Biased	2.2778	2.1643	-0.1135
392	100	Biased	2.3413	2.2107	-0.1306
393	100	Biased	2.2803	2.1289	-0.1514
394	100	Biased	2.2632	2.1924	-0.0708
395	100	Biased	2.2803	2.1899	-0.0904
412	100	Unbiased	2.041	1.9824	-0.0586
413	100	Unbiased	2.3401	2.3499	0.0098
414	100	Unbiased	2.1045	2.0789	-0.0256
415	100	Unbiased	2.1057	2.0642	-0.0415
416	100	Unbiased	2.1533	2.1631	0.0098
417	50	Biased	2.1948	2.0801	-0.1147
418	50	Biased	2.3059	2.2095	-0.0964
419	50	Biased	2.2278	2.1277	-0.1001
421	50	Biased	2.1936	2.1118	-0.0818
422	50	Biased	2.1838	2.1094	-0.0744
423	50	Unbiased	2.2778	2.2668	-0.011
424	50	Unbiased	2.1948	2.2107	0.0159
425	50	Unbiased	2.2278	2.2424	0.0146
426	50	Unbiased	2.3047	2.2803	-0.0244
427	50	Unbiased	2.3816	2.3926	0.011
463	0	Corr	2.1045	2.1106	0.0061
464	0	Corr	2.1545	2.1277	-0.0268
465	0	Corr	2.2644	2.2681	0.0037
466	30	Biased	2.1936	2.1265	-0.0671
469	30	Biased	2.3059	2.2656	-0.0403
470	30	Biased	2.1533	2.0789	-0.0744
472	30	Biased	2.1948	2.1277	-0.0671
474	30	Biased	2.229	2.1631	-0.0659
475	30	Unbiased	2.2644	2.2668	0.0024
477	30	Unbiased	2.1228	2.1265	0.0037
478	30	Unbiased	2.1936	2.2107	0.0171
479	30	Unbiased	2.2791	2.2791	0
480	30	Unbiased	2.1545	2.1643	0.0098
481	10	Biased	2.1252	2.1106	-0.0146
482	10	Biased	2.2632	2.2412	-0.022
483	10	Biased	2.2803	2.2693	-0.011
484	10	Biased	2.2278	2.2107	-0.0171
485	10	Biased	2.196	2.1899	-0.0061
487	10	Unbiased	2.2632	2.2681	0.0049
488	10	Unbiased	2.196	2.207	0.011
489	10	Unbiased	2.1948	2.2107	0.0159
490	10	Unbiased	2.041	2.0667	0.0257
491	10	Unbiased	2.0764	2.0789	0.0025
492	3	Biased	2.3059	2.2803	-0.0256
493	3	Biased	2.1545	2.1643	0.0098
494	3	Biased	2.1936	2.1899	-0.0037
495	3	Biased	2.1045	2.0789	-0.0256
496	3	Biased	2.1936	2.2107	0.0171
497	3	Unbiased	2.2632	2.2656	0.0024
498	3	Unbiased	2.3059	2.3157	0.0098
499	3	Unbiased	2.1533	2.1643	0.011
500	3	Unbiased	2.3059	2.3157	0.0098
502	3	Unbiased	2.1838	2.1912	0.0074

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	2.1045	2.1745	2.2644	0.081799	2.1106	2.1688	2.2681	0.08642	-0.0268	-0.0056667	0.0061	0.018341
3	2.1045	2.2164	2.3059	0.073529	2.0789	2.2177	2.3157	0.075949	-0.0256	0.00124	0.0171	0.01517
10	2.041	2.1864	2.2803	0.081356	2.0667	2.1853	2.2693	0.074376	-0.022	-0.00108	0.0257	0.015637
30	2.1228	2.2091	2.3059	0.059584	2.0789	2.1809	2.2791	0.070577	-0.0744	-0.02818	0.0171	0.037968
50	2.1838	2.2493	2.3816	0.065698	2.0801	2.2031	2.3926	0.097468	-0.1147	-0.04613	0.0159	0.052408
100	2.041	2.2188	2.3413	0.10775	1.9824	2.1525	2.3499	0.099052	-0.1514	-0.06628	0.0098	0.055895

Device Test: 19.5 LOWSIDE_CURR_LIM_SINKING_25C(LEVEL|SINK/SW/5////@LOWSIDE_CURR_LIM_SINKING_25C)





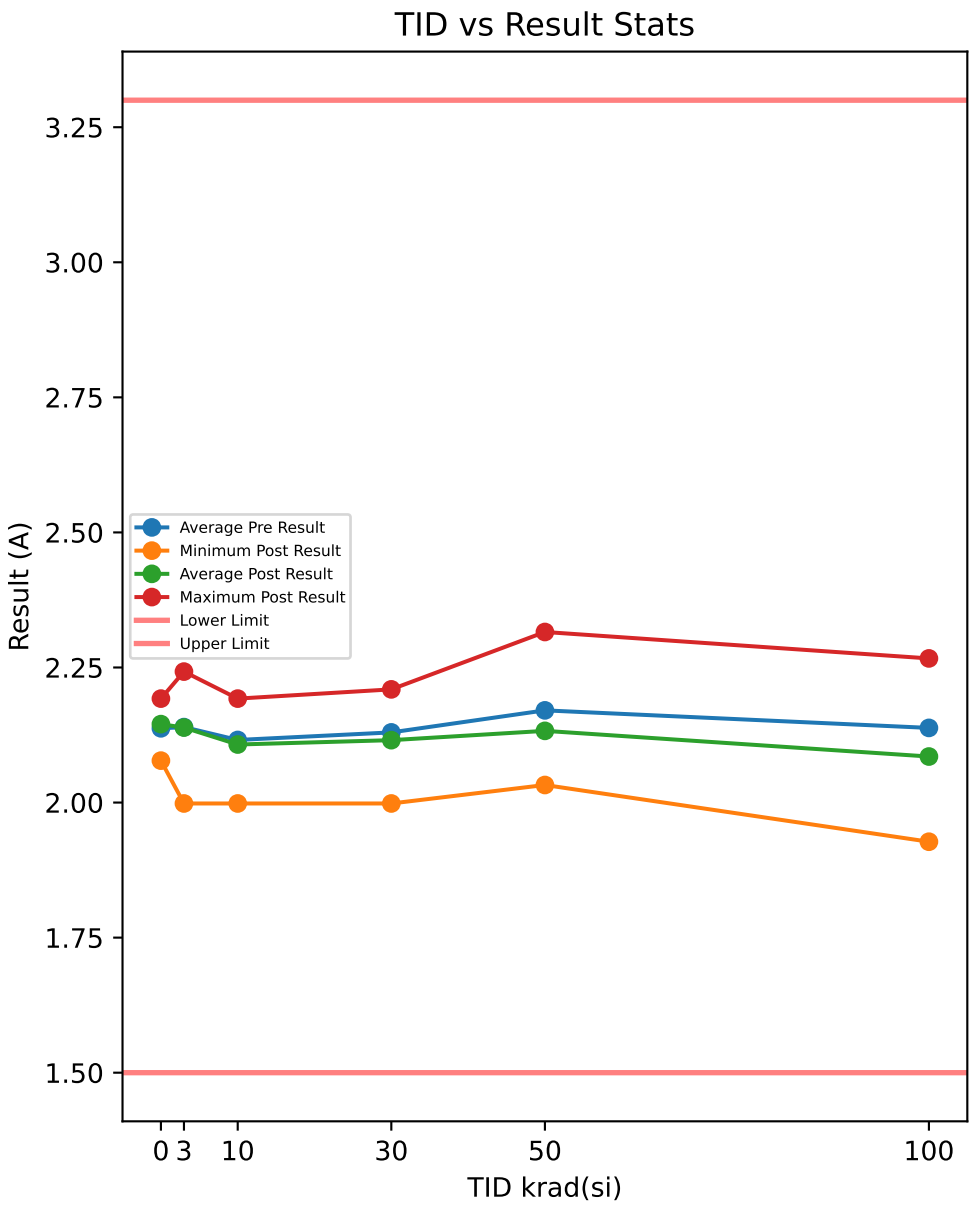
Test Results (Lower Limit = 1.5, Upper Limit = 3.3 (A))

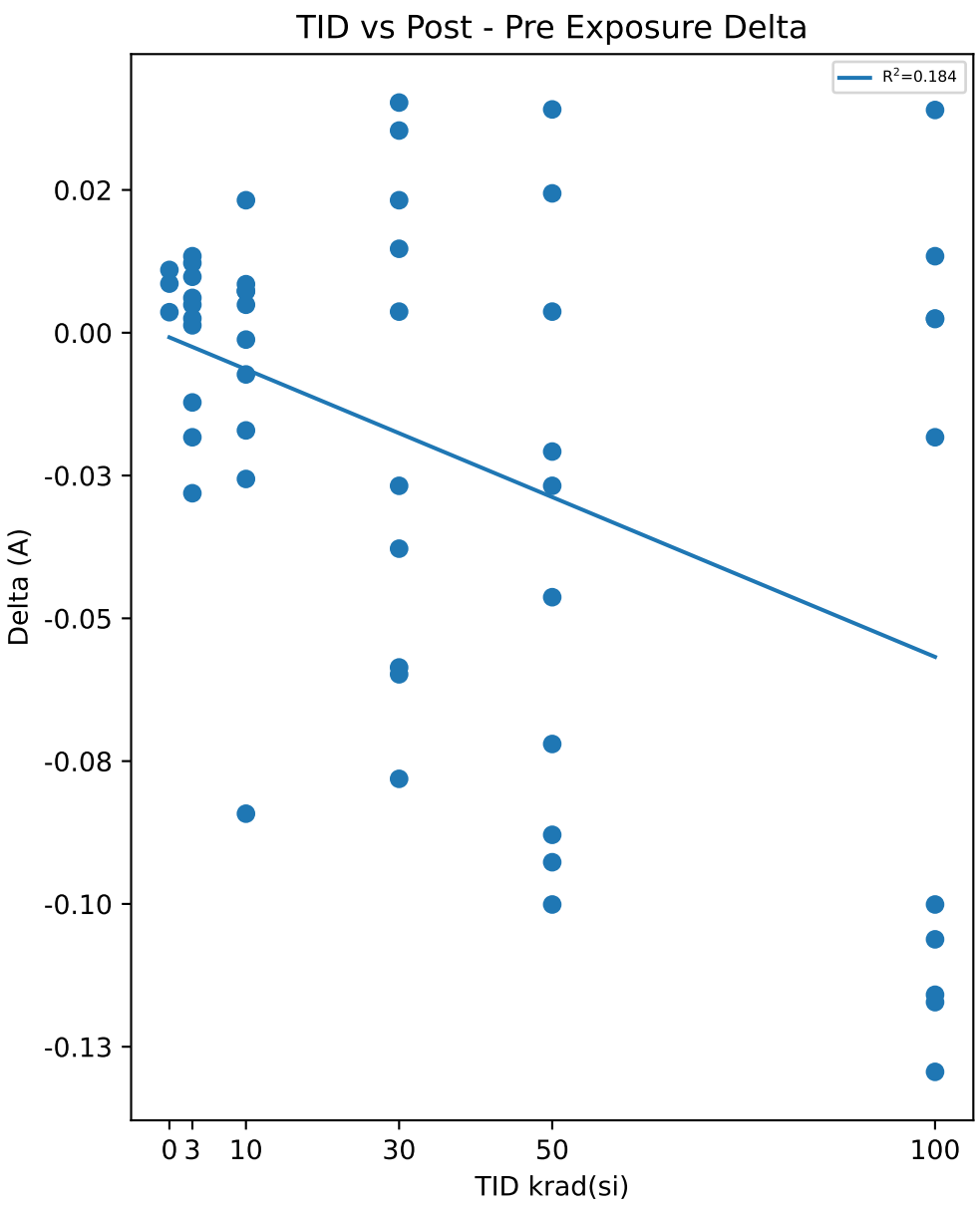
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
390	100	Biased	2.1948	2.0789	-0.1159
392	100	Biased	2.262	2.1277	-0.1343
393	100	Biased	2.1948	2.0642	-0.1306
394	100	Biased	2.1838	2.1118	-0.072
395	100	Biased	2.196	2.1277	-0.0683
412	100	Unbiased	1.9482	1.9238	-0.0244
413	100	Unbiased	2.2644	2.2656	0.0012
414	100	Unbiased	2.0264	2.063	0.0366
415	100	Unbiased	2.0251	1.9824	-0.0427
416	100	Unbiased	2.0752	2.1094	0.0342
417	50	Biased	2.1545	2.0325	-0.122
418	50	Biased	2.2278	2.1655	-0.0623
419	50	Biased	2.1545	2.063	-0.0915
421	50	Biased	2.1252	2.0801	-0.0451
422	50	Biased	2.1045	2.0325	-0.072
423	50	Unbiased	2.1838	2.2107	0.0269
424	50	Unbiased	2.1545	2.1265	-0.028
425	50	Unbiased	2.1545	2.1643	0.0098
426	50	Unbiased	2.2278	2.2095	-0.0183
427	50	Unbiased	2.3059	2.3169	0.011
463	0	Corr	2.0264	2.0325	0.0061
464	0	Corr	2.0764	2.0776	0.0012
465	0	Corr	2.1826	2.1912	0.0086
466	30	Biased	2.1228	2.0654	-0.0574
469	30	Biased	2.229	2.1912	-0.0378
470	30	Biased	2.0764	1.9995	-0.0769
472	30	Biased	2.1265	2.0776	-0.0489
474	30	Biased	2.1826	2.1289	-0.0537
475	30	Unbiased	2.1851	2.1924	0.0073
477	30	Unbiased	2.041	2.0667	0.0257
478	30	Unbiased	2.124	2.1655	0.0415
479	30	Unbiased	2.1948	2.2119	0.0171
480	30	Unbiased	2.0752	2.0789	0.0037
481	10	Biased	2.0422	2.0325	-0.0097
482	10	Biased	2.1851	2.1655	-0.0196
483	10	Biased	2.1948	2.1899	-0.0049
484	10	Biased	2.1545	2.1289	-0.0256
485	10	Biased	2.1948	2.1655	-0.0293
487	10	Unbiased	2.1851	2.1912	0.0061
488	10	Unbiased	2.1252	2.1277	0.0025
489	10	Unbiased	2.1252	2.1277	0.0025
490	10	Unbiased	1.9897	1.9971	0.0074
491	10	Unbiased	1.991	1.9983	0.0073
492	3	Biased	2.2278	2.2107	-0.0171
493	3	Biased	2.0764	2.0789	0.0025
494	3	Biased	2.1216	2.1289	0.0073
495	3	Biased	2.0264	2.0337	0.0073
496	3	Biased	2.1545	2.1289	-0.0256
497	3	Unbiased	2.1838	2.1924	0.0086
498	3	Unbiased	2.2278	2.2412	0.0134
499	3	Unbiased	2.1045	2.1106	0.0061
500	3	Unbiased	2.2278	2.2424	0.0146
502	3	Unbiased	2.1057	2.1106	0.0049

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	2.0264	2.0951	2.1826	0.079767	2.0325	2.1004	2.1912	0.081777	0.0012	0.0053	0.0086	0.0037643
3	2.0264	2.1456	2.2278	0.070446	2.0337	2.1478	2.2424	0.070606	-0.0256	0.0022	0.0146	0.013081
10	1.9897	2.1188	2.1948	0.082035	1.9971	2.1124	2.1912	0.075493	-0.0293	-0.00633	0.0074	0.014036
30	2.041	2.1357	2.229	0.060892	1.9995	2.1178	2.2119	0.070464	-0.0769	-0.01794	0.0415	0.041414
50	2.1045	2.1793	2.3059	0.05938	2.0325	2.1401	2.3169	0.091393	-0.122	-0.03915	0.0269	0.048406
100	1.9482	2.1371	2.2644	0.10976	1.9238	2.0855	2.2656	0.091312	-0.1343	-0.05162	0.0366	0.063821

Device Test: 19.8 LOWSIDE_CURR_LIM_SINKING_25C(LEVEL|SINK/SW/12////@LOWSIDE_CURR_LIM_SINKING_25C)





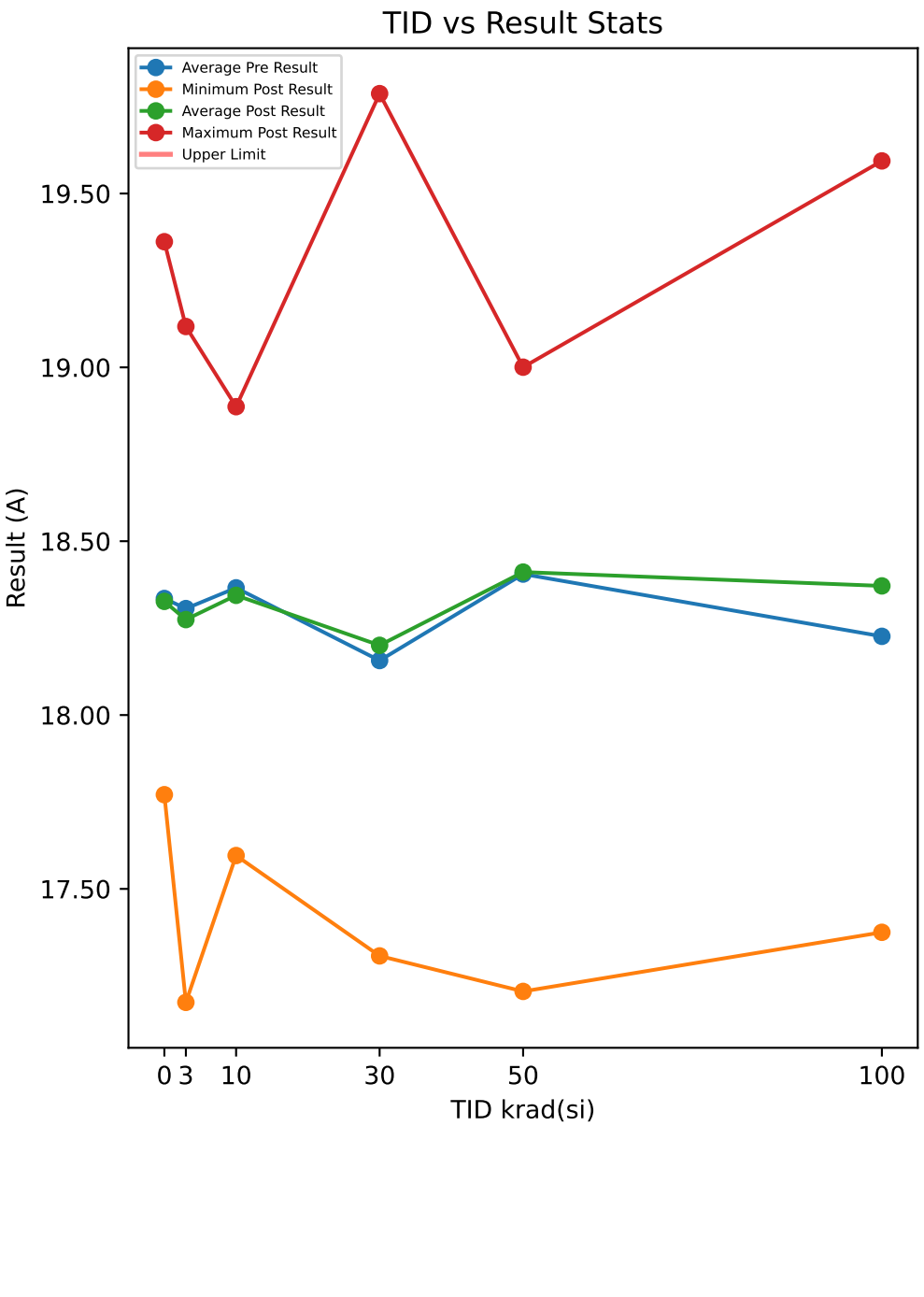
Test Results (Lower Limit = 1.5, Upper Limit = 3.3 (A))

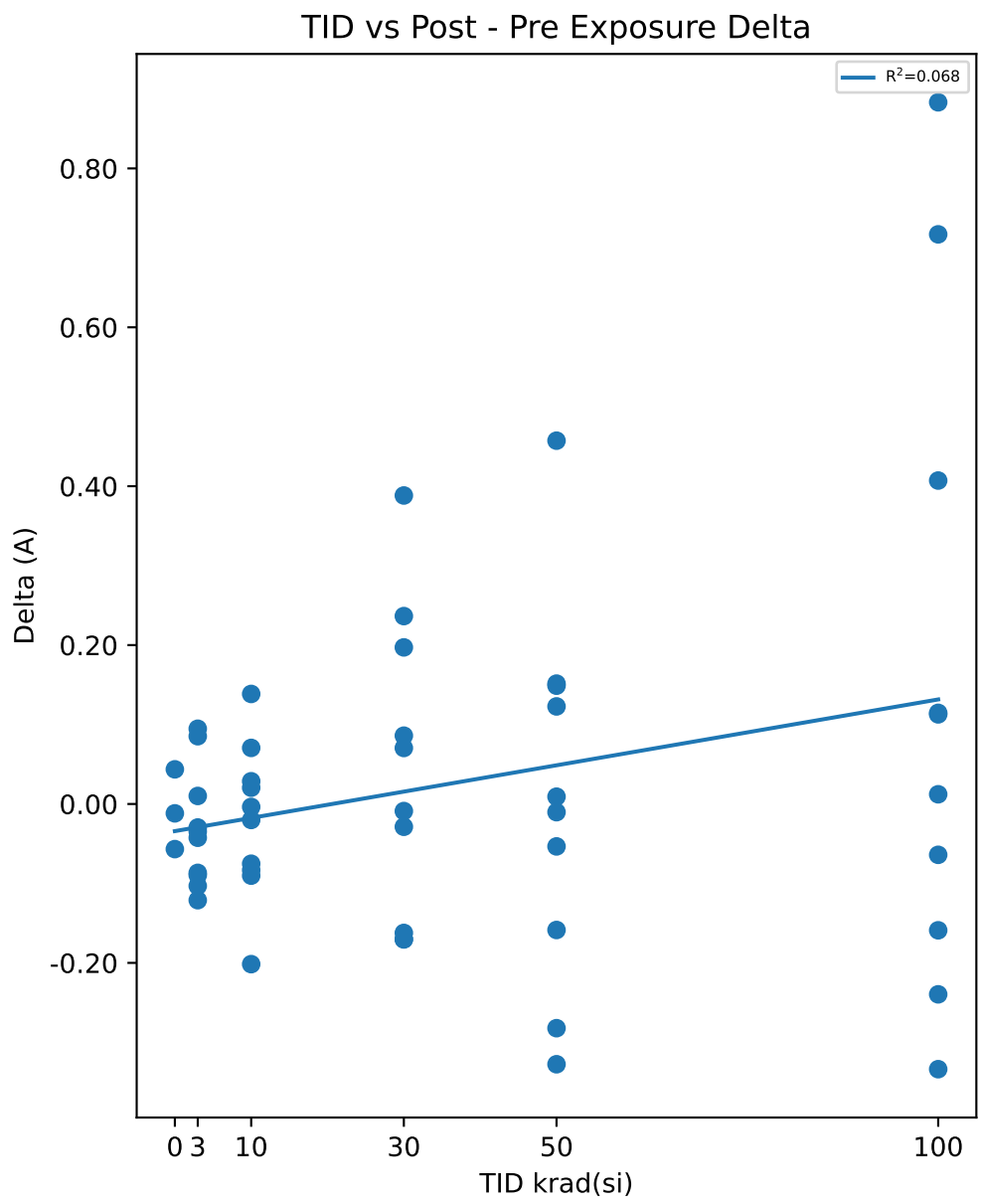
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
390	100	Biased	2.1948	2.0789	-0.1159
392	100	Biased	2.2278	2.1277	-0.1001
393	100	Biased	2.1948	2.0654	-0.1294
394	100	Biased	2.1826	2.1643	-0.0183
395	100	Biased	2.1948	2.0776	-0.1172
412	100	Unbiased	1.9141	1.9275	0.0134
413	100	Unbiased	2.2644	2.2668	0.0024
414	100	Unbiased	2.0264	2.0654	0.039
415	100	Unbiased	2.1057	1.9995	-0.1062
416	100	Unbiased	2.0764	2.0789	0.0025
417	50	Biased	2.1252	2.0325	-0.0927
418	50	Biased	2.2278	2.1277	-0.1001
419	50	Biased	2.1533	2.0654	-0.0879
421	50	Biased	2.1252	2.0789	-0.0463
422	50	Biased	2.1057	2.0337	-0.072
423	50	Unbiased	2.1851	2.2095	0.0244
424	50	Unbiased	2.1252	2.1289	0.0037
425	50	Unbiased	2.1545	2.1277	-0.0268
426	50	Unbiased	2.2278	2.207	-0.0208
427	50	Unbiased	2.2766	2.3157	0.0391
463	0	Corr	2.1545	2.1655	0.011
464	0	Corr	2.074	2.0776	0.0036
465	0	Corr	2.1838	2.1924	0.0086
466	30	Biased	2.1228	2.0642	-0.0586
469	30	Biased	2.229	2.1912	-0.0378
470	30	Biased	2.0764	1.9983	-0.0781
472	30	Biased	2.1252	2.0654	-0.0598
474	30	Biased	2.1533	2.1265	-0.0268
475	30	Unbiased	2.1545	2.1899	0.0354
477	30	Unbiased	2.0422	2.0654	0.0232
478	30	Unbiased	2.1252	2.1655	0.0403
479	30	Unbiased	2.1948	2.2095	0.0147
480	30	Unbiased	2.0752	2.0789	0.0037
481	10	Biased	2.041	2.0337	-0.0073
482	10	Biased	2.1826	2.1655	-0.0171
483	10	Biased	2.1936	2.1924	-0.0012
484	10	Biased	2.1533	2.1277	-0.0256
485	10	Biased	2.1948	2.1106	-0.0842
487	10	Unbiased	2.1851	2.1924	0.0073
488	10	Unbiased	2.1216	2.1265	0.0049
489	10	Unbiased	2.1045	2.1277	0.0232
490	10	Unbiased	1.991	1.9995	0.0085
491	10	Unbiased	1.991	1.9983	0.0073
492	3	Biased	2.229	2.2107	-0.0183
493	3	Biased	2.0764	2.0789	0.0025
494	3	Biased	2.1228	2.1106	-0.0122
495	3	Biased	2.0264	1.9983	-0.0281
496	3	Biased	2.1252	2.1265	0.0013
497	3	Unbiased	2.1838	2.1936	0.0098
498	3	Unbiased	2.1948	2.207	0.0122
499	3	Unbiased	2.1045	2.1106	0.0061
500	3	Unbiased	2.229	2.2424	0.0134
502	3	Unbiased	2.1045	2.1094	0.0049

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	2.074	2.1374	2.1838	0.056855	2.0776	2.1452	2.1924	0.06004	0.0036	0.0077333	0.011	0.0037754
3	2.0264	2.1396	2.229	0.067287	1.9983	2.1388	2.2424	0.074155	-0.0281	-0.00084	0.0134	0.013984
10	1.991	2.1159	2.1948	0.081562	1.9983	2.1074	2.1924	0.073031	-0.0842	-0.00842	0.0232	0.030045
30	2.0422	2.1299	2.229	0.056594	1.9983	2.1155	2.2095	0.071063	-0.0781	-0.01438	0.0403	0.043249
50	2.1057	2.1706	2.2766	0.05671	2.0325	2.1327	2.3157	0.08959	-0.1001	-0.03794	0.0391	0.050069
100	1.9141	2.1382	2.2644	0.10705	1.9275	2.0852	2.2668	0.090785	-0.1294	-0.05298	0.039	0.065988

Device Test: 20.10 HIGHSIDE_CURR_LIM2_13A(THRESHOLD|RISE/SW/4.5////@HIGHSIDE_CURR_LIM2_13A)





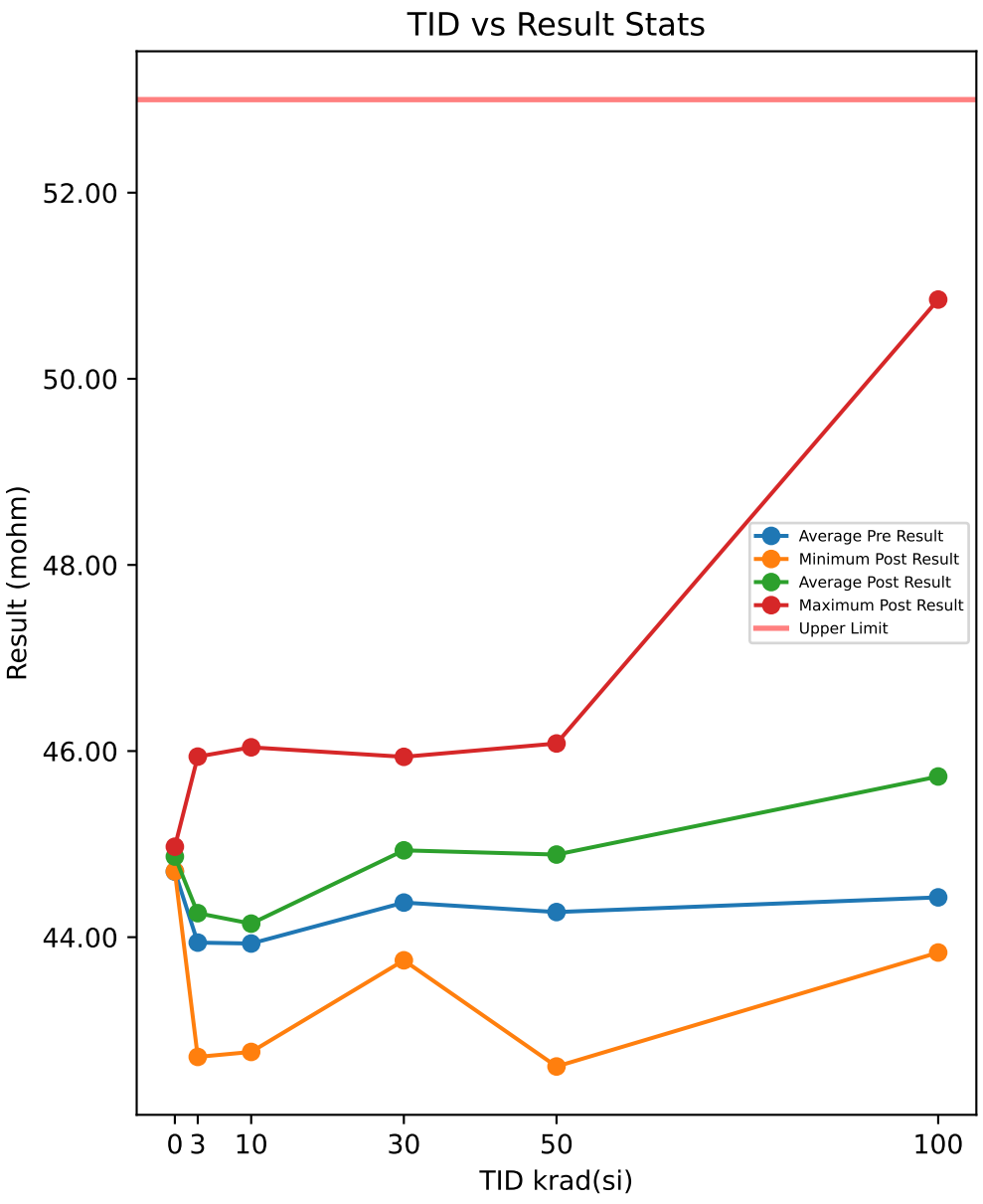
Test Results (No Limits Specified (A))

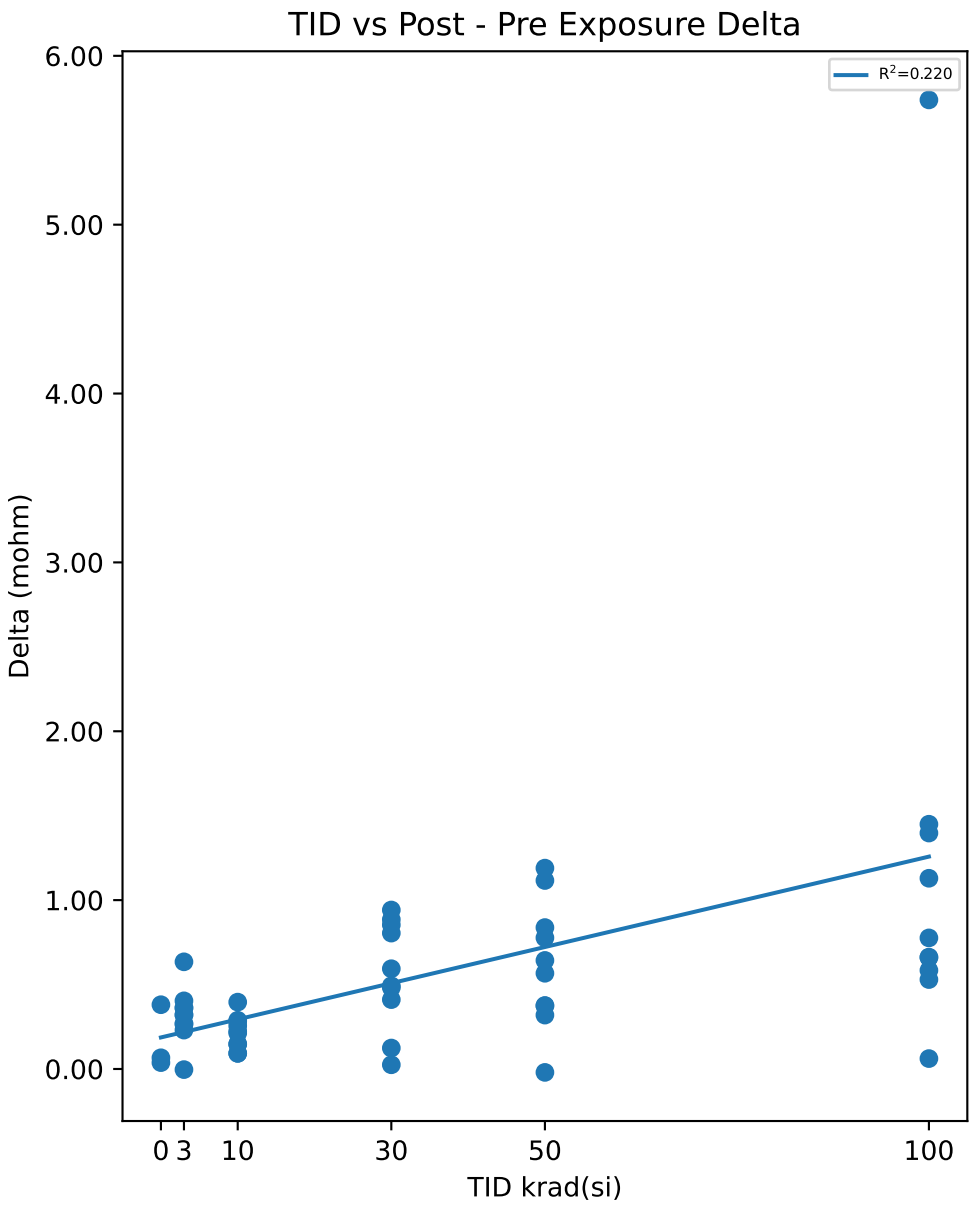
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
390	100	Biased	19.187	19.594	0.4071
392	100	Biased	19.234	19.17	-0.064
393	100	Biased	18.271	18.988	0.717
394	100	Biased	17.843	17.51	-0.3338
395	100	Biased	18.049	18.164	0.1147
412	100	Unbiased	18.02	18.133	0.1128
413	100	Unbiased	18.581	18.593	0.0122
414	100	Unbiased	17.615	17.375	-0.2396
415	100	Unbiased	17.669	18.552	0.8832
416	100	Unbiased	17.796	17.637	-0.159
417	50	Biased	18.448	18.597	0.1489
418	50	Biased	18.543	19	0.4573
419	50	Biased	17.487	17.205	-0.2822
421	50	Biased	18.214	18.224	0.0092
422	50	Biased	18.984	18.974	-0.0103
423	50	Unbiased	18.506	18.657	0.1515
424	50	Unbiased	17.78	17.452	-0.3276
425	50	Unbiased	18.844	18.686	-0.1586
426	50	Unbiased	18.789	18.736	-0.0534
427	50	Unbiased	18.459	18.581	0.1228
463	0	Corr	17.86	17.848	-0.0118
464	0	Corr	17.727	17.771	0.0436
465	0	Corr	19.418	19.361	-0.0568
466	30	Biased	17.547	17.377	-0.1701
469	30	Biased	18.352	18.588	0.2365
470	30	Biased	18.209	18.2	-0.0089
472	30	Biased	18.601	18.798	0.1971
474	30	Biased	19.701	19.787	0.086
475	30	Unbiased	17.497	17.567	0.0705
477	30	Unbiased	16.997	17.385	0.3883
478	30	Unbiased	17.478	17.307	-0.1705
479	30	Unbiased	19.208	19.045	-0.1623
480	30	Unbiased	17.978	17.95	-0.0287
481	10	Biased	18.774	18.699	-0.0752
482	10	Biased	18.407	18.477	0.0706
483	10	Biased	18.907	18.887	-0.0201
484	10	Biased	18.379	18.178	-0.2016
485	10	Biased	18.656	18.566	-0.0902
487	10	Unbiased	17.908	17.928	0.0205
488	10	Unbiased	17.679	17.596	-0.0832
489	10	Unbiased	18.088	18.227	0.1385
490	10	Unbiased	18.417	18.446	0.0286
491	10	Unbiased	18.442	18.439	-0.0037
492	3	Biased	19.087	19	-0.0867
493	3	Biased	18.427	18.393	-0.0346
494	3	Biased	17.263	17.174	-0.0896
495	3	Biased	19.107	19.117	0.0101
496	3	Biased	18.025	17.995	-0.0296
497	3	Unbiased	18.382	18.339	-0.0425
498	3	Unbiased	17.741	17.619	-0.1211
499	3	Unbiased	18.741	18.638	-0.1031
500	3	Unbiased	18.369	18.464	0.0947
502	3	Unbiased	17.921	18.006	0.0853

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	17.727	18.335	19.418	0.94023	17.771	18.327	19.361	0.89674	-0.0568	-0.0083333	0.0436	0.05029
3	17.263	18.306	19.107	0.58689	17.174	18.275	19.117	0.59759	-0.1211	-0.03171	0.0947	0.075285
10	17.679	18.366	18.907	0.38199	17.596	18.344	18.887	0.37733	-0.2016	-0.02158	0.1385	0.095755
30	16.997	18.157	19.701	0.84157	17.307	18.201	19.787	0.83958	-0.1705	0.04379	0.3883	0.18974
50	17.487	18.405	18.984	0.46901	17.205	18.411	19	0.61271	-0.3276	0.00576	0.4573	0.23194
100	17.615	18.226	19.234	0.59211	17.375	18.371	19.594	0.74296	-0.3338	0.14506	0.8832	0.40465

Device Test: 20.104 R_HIGHSIDE_14V_25C(LEVEL|HIGHSIDE/SW/14/2///@R_HIGHSIDE_14V_25C)





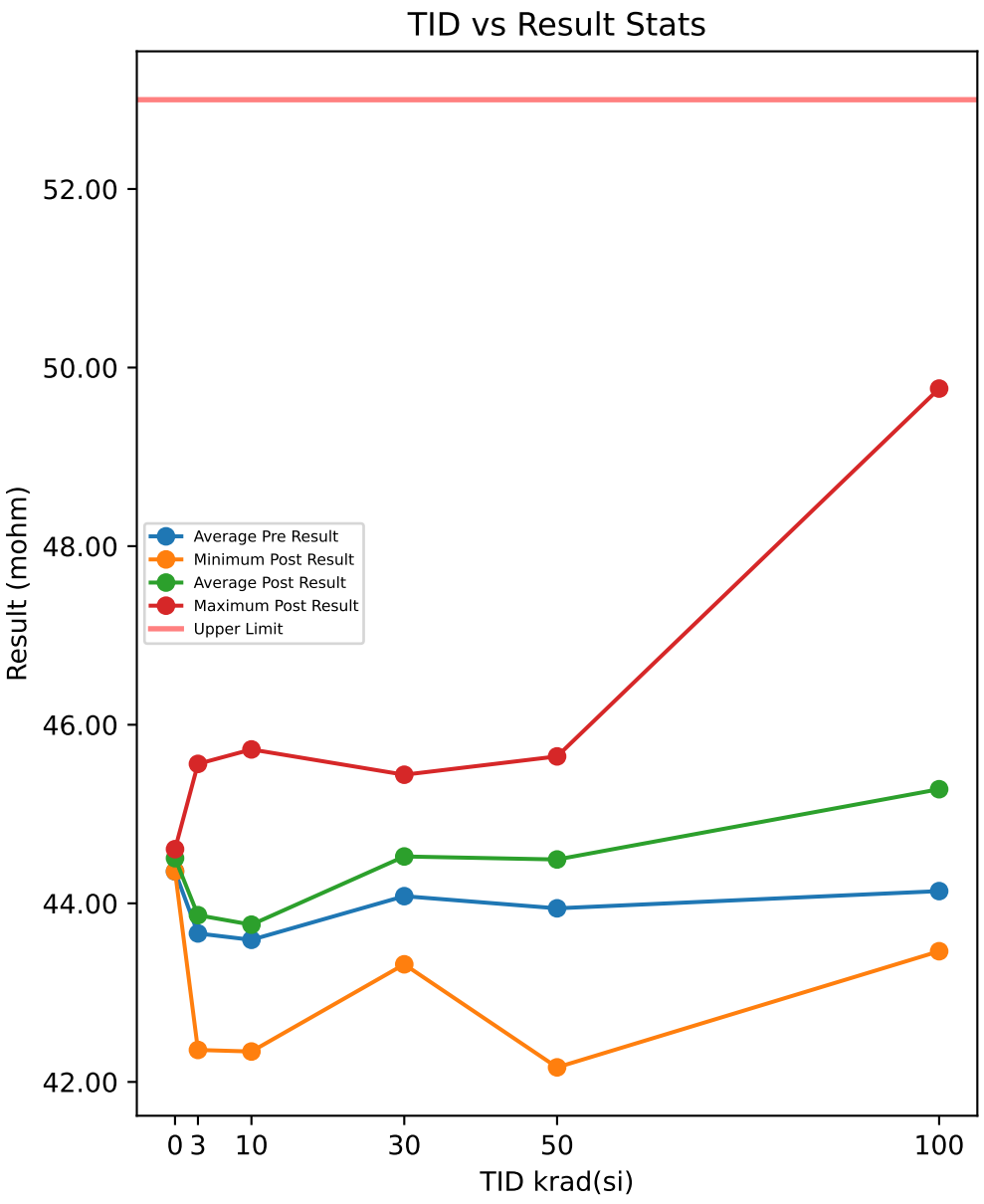
Test Results (Upper Limit = 53.0 (mohm))

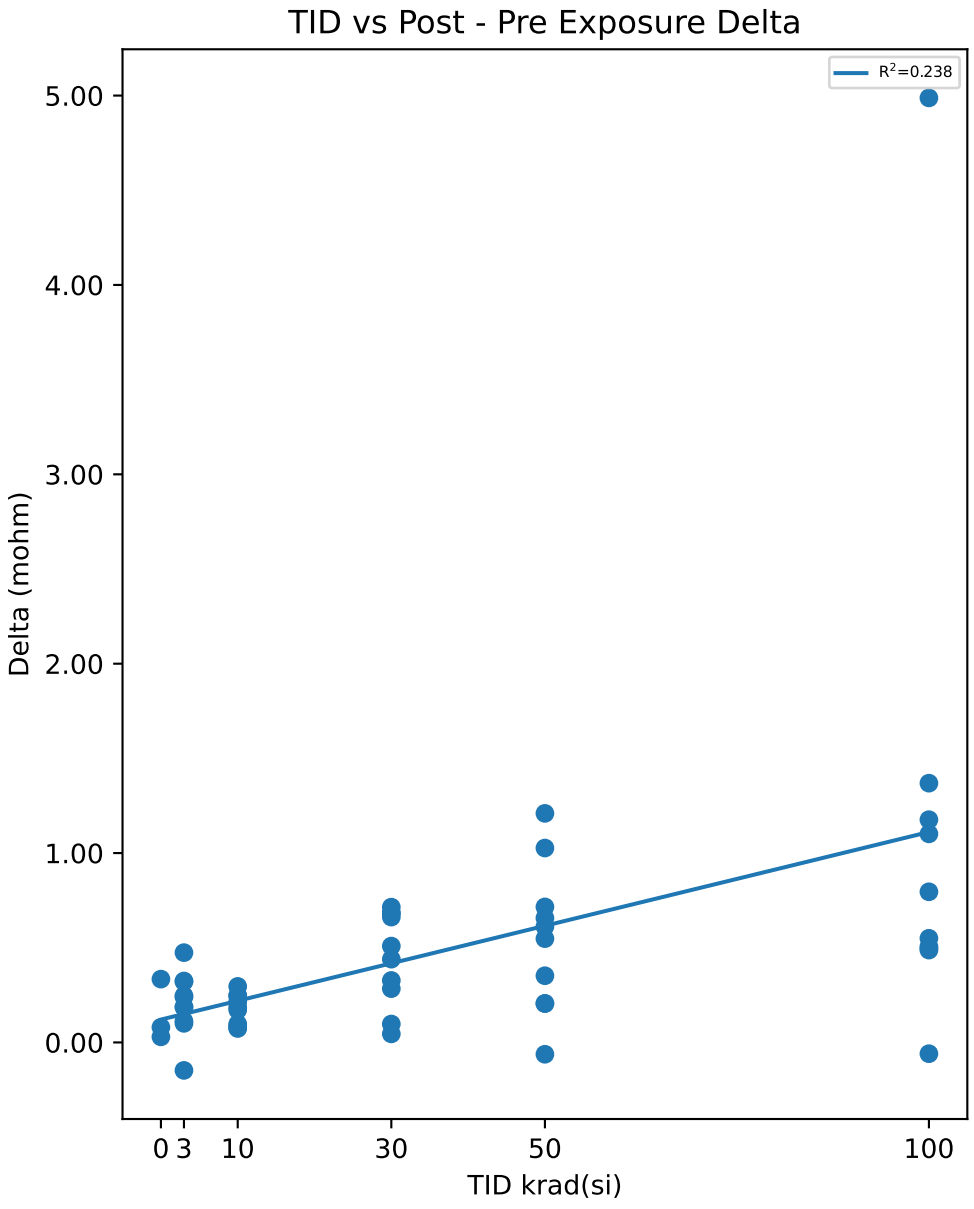
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
390	100	Biased	45.438	46.836	1.3972
392	100	Biased	45.376	46.152	0.7762
393	100	Biased	43.397	44.059	0.6622
394	100	Biased	44.837	45.967	1.1295
395	100	Biased	43.849	43.911	0.0616
412	100	Unbiased	44.431	44.961	0.5296
413	100	Unbiased	43.251	43.835	0.5841
414	100	Unbiased	43.066	44.515	1.4494
415	100	Unbiased	45.112	50.851	5.7389
416	100	Unbiased	45.517	46.178	0.6605
417	50	Biased	45.304	46.081	0.7771
418	50	Biased	45.317	45.884	0.5668
419	50	Biased	43.486	43.805	0.3191
421	50	Biased	44.574	44.948	0.3738
422	50	Biased	43.219	43.862	0.6429
423	50	Unbiased	44.446	44.822	0.3759
424	50	Unbiased	45.059	45.897	0.8375
425	50	Unbiased	42.631	42.61	-0.0202
426	50	Unbiased	44.88	45.996	1.1162
427	50	Unbiased	43.782	44.972	1.1895
463	0	Corr	44.67	44.708	0.0377
464	0	Corr	44.852	44.919	0.0663
465	0	Corr	44.591	44.972	0.3806
466	30	Biased	44.364	45.218	0.8535
469	30	Biased	43.797	43.921	0.1241
470	30	Biased	44.152	44.177	0.0249
472	30	Biased	43.27	43.751	0.4815
474	30	Biased	45.111	45.522	0.4108
475	30	Unbiased	44.603	45.407	0.8047
477	30	Unbiased	44.996	45.938	0.9415
478	30	Unbiased	43.845	44.73	0.8853
479	30	Unbiased	45.244	45.737	0.4926
480	30	Unbiased	44.334	44.928	0.5937
481	10	Biased	44.136	44.282	0.1469
482	10	Biased	43.044	43.326	0.2817
483	10	Biased	43.224	43.317	0.0928
484	10	Biased	42.554	42.767	0.2126
485	10	Biased	44.145	44.368	0.2233
487	10	Unbiased	44.485	44.633	0.1479
488	10	Unbiased	44.844	45.099	0.2556
489	10	Unbiased	43.176	43.572	0.3959
490	10	Unbiased	45.947	46.04	0.0927
491	10	Unbiased	43.761	44.049	0.2884
492	3	Biased	44.391	44.794	0.4035
493	3	Biased	43.654	43.923	0.2693
494	3	Biased	43.374	44.008	0.6346
495	3	Biased	43.795	44.156	0.361
496	3	Biased	44.83	45.15	0.3197
497	3	Unbiased	45.619	45.94	0.321
498	3	Unbiased	42.483	42.713	0.2303
499	3	Unbiased	43.086	43.449	0.3631
500	3	Unbiased	43.304	43.569	0.2651
502	3	Unbiased	44.88	44.877	-0.0037

Test Statistics (mohm)

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	44.591	44.705	44.852	0.13373	44.708	44.866	44.972	0.13951	0.0377	0.16153	0.3806	0.19026
3	42.483	43.942	45.619	0.96495	42.713	44.258	45.94	0.94256	-0.0037	0.31639	0.6346	0.15908
10	42.554	43.932	45.947	1.004	42.767	44.145	46.04	0.96617	0.0927	0.21378	0.3959	0.096206
30	43.27	44.372	45.244	0.6345	43.751	44.933	45.938	0.77035	0.0249	0.56126	0.9415	0.3176
50	42.631	44.27	45.317	0.93866	42.61	44.888	46.081	1.159	-0.0202	0.61786	1.1895	0.37512
100	43.066	44.428	45.517	0.96504	43.835	45.726	50.851	2.0988	0.0616	1.2989	5.7389	1.6157

Device Test: 20.105 R_HIGHSIDE_14V_25C(LEVEL|HIGHSIDE/SW/14/12///@R_HIGHSIDE_14V_25C)





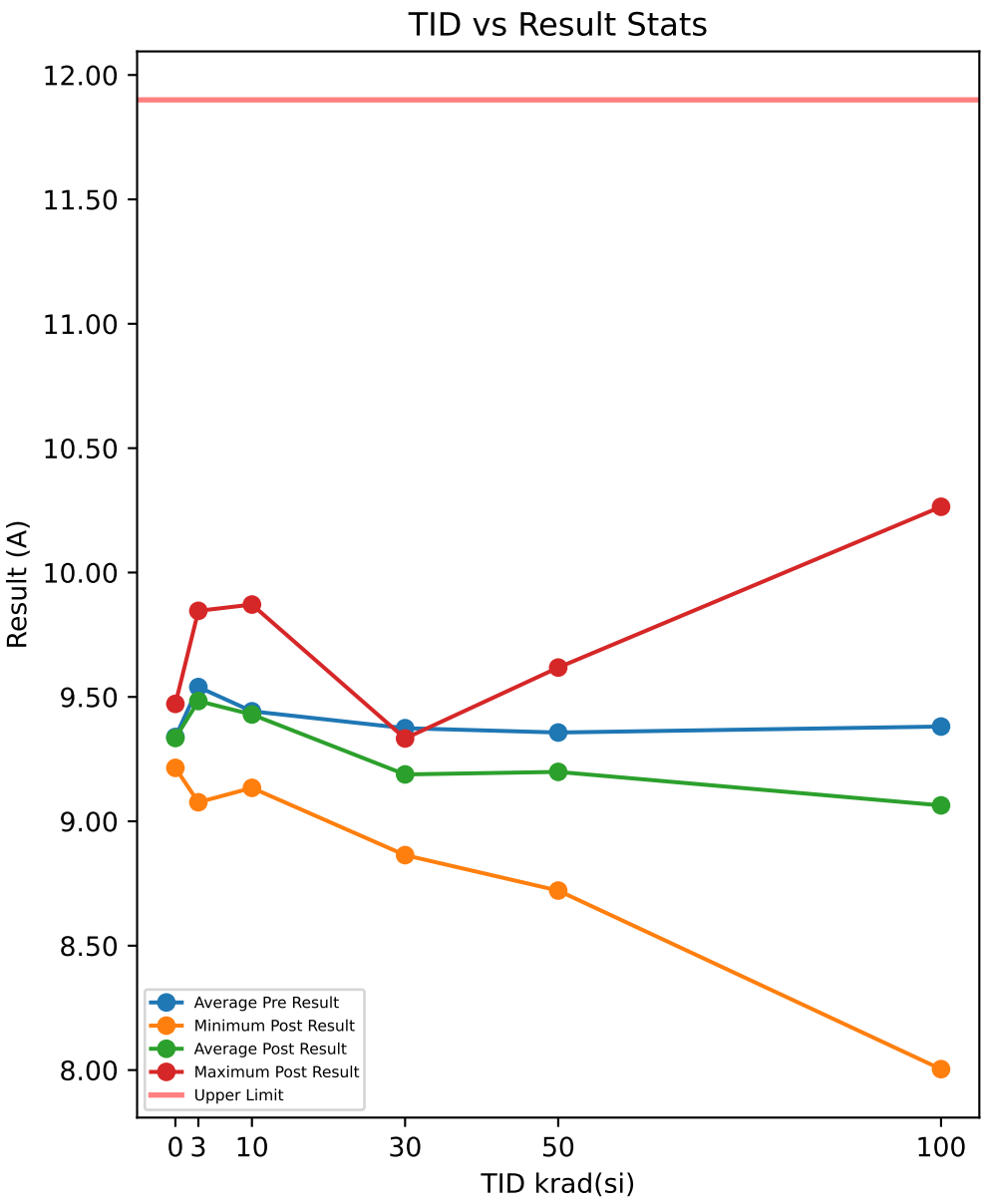
Test Results (Upper Limit = 53.0 (mohm))

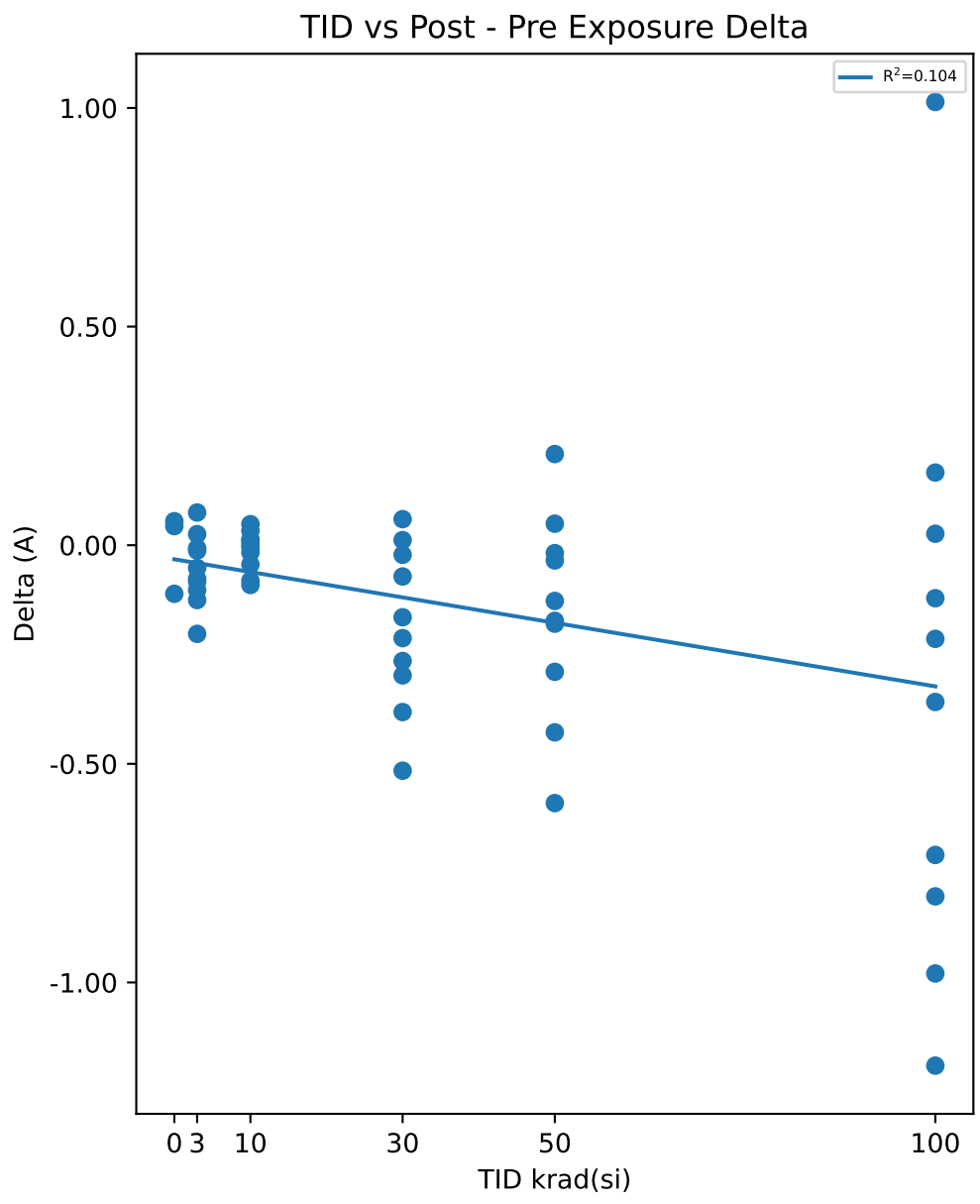
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
390	100	Biased	45.221	46.397	1.1763
392	100	Biased	44.978	45.774	0.7955
393	100	Biased	43.119	43.669	0.55
394	100	Biased	44.438	45.539	1.1014
395	100	Biased	43.65	43.591	-0.0594
412	100	Unbiased	44.209	44.704	0.4954
413	100	Unbiased	42.976	43.464	0.4877
414	100	Unbiased	42.677	44.046	1.3691
415	100	Unbiased	44.777	49.765	4.9877
416	100	Unbiased	45.326	45.833	0.5068
417	50	Biased	44.93	45.645	0.7157
418	50	Biased	44.945	45.493	0.5481
419	50	Biased	43.194	43.4	0.2061
421	50	Biased	44.299	44.651	0.3523
422	50	Biased	42.842	43.453	0.6118
423	50	Unbiased	44.226	44.432	0.2054
424	50	Unbiased	44.82	45.477	0.6571
425	50	Unbiased	42.225	42.163	-0.0624
426	50	Unbiased	44.609	45.635	1.0266
427	50	Unbiased	43.352	44.562	1.2096
463	0	Corr	44.33	44.359	0.0295
464	0	Corr	44.47	44.551	0.0802
465	0	Corr	44.272	44.607	0.3344
466	30	Biased	44.077	44.791	0.7145
469	30	Biased	43.517	43.615	0.0973
470	30	Biased	43.79	43.835	0.0452
472	30	Biased	43.033	43.317	0.2842
474	30	Biased	44.838	45.165	0.3273
475	30	Unbiased	44.204	44.885	0.6809
477	30	Unbiased	44.754	45.44	0.686
478	30	Unbiased	43.644	44.306	0.662
479	30	Unbiased	44.919	45.359	0.4397
480	30	Unbiased	44.027	44.536	0.5088
481	10	Biased	43.773	43.871	0.0976
482	10	Biased	42.712	42.927	0.2146
483	10	Biased	42.932	43.006	0.0737
484	10	Biased	42.169	42.341	0.1718
485	10	Biased	43.779	43.964	0.185
487	10	Unbiased	44.211	44.289	0.078
488	10	Unbiased	44.452	44.701	0.2488
489	10	Unbiased	42.85	43.146	0.2959
490	10	Unbiased	45.637	45.724	0.0869
491	10	Unbiased	43.398	43.643	0.245
492	3	Biased	44.132	44.378	0.2466
493	3	Biased	43.313	43.553	0.24
494	3	Biased	43.134	43.609	0.4742
495	3	Biased	43.634	43.747	0.113
496	3	Biased	44.432	44.756	0.3244
497	3	Unbiased	45.374	45.562	0.1878
498	3	Unbiased	42.172	42.358	0.1862
499	3	Unbiased	42.744	43.065	0.3212
500	3	Unbiased	43.061	43.162	0.1008
502	3	Unbiased	44.632	44.484	-0.1476

Test Statistics (mohm)

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	44.272	44.357	44.47	0.10194	44.359	44.505	44.607	0.12982	0.0295	0.14803	0.3344	0.16338
3	42.172	43.663	45.374	0.97238	42.358	43.867	45.562	0.937	-0.1476	0.20466	0.4742	0.16582
10	42.169	43.591	45.637	1.0108	42.341	43.761	45.724	0.98564	0.0737	0.16973	0.2959	0.081505
30	43.033	44.08	44.919	0.61811	43.317	44.525	45.44	0.74201	0.0452	0.44459	0.7145	0.249
50	42.225	43.944	44.945	0.97016	42.163	44.491	45.645	1.1709	-0.0624	0.54703	1.2096	0.38816
100	42.677	44.137	45.326	0.97505	43.464	45.278	49.765	1.9027	-0.0594	1.1411	4.9877	1.4145

Device Test: 20.107 HIGHSIDE_CURR_LIM_9A(THRESHOLD|RISE/SW/14////@HIGHSIDE_CURR_LIM_9A)





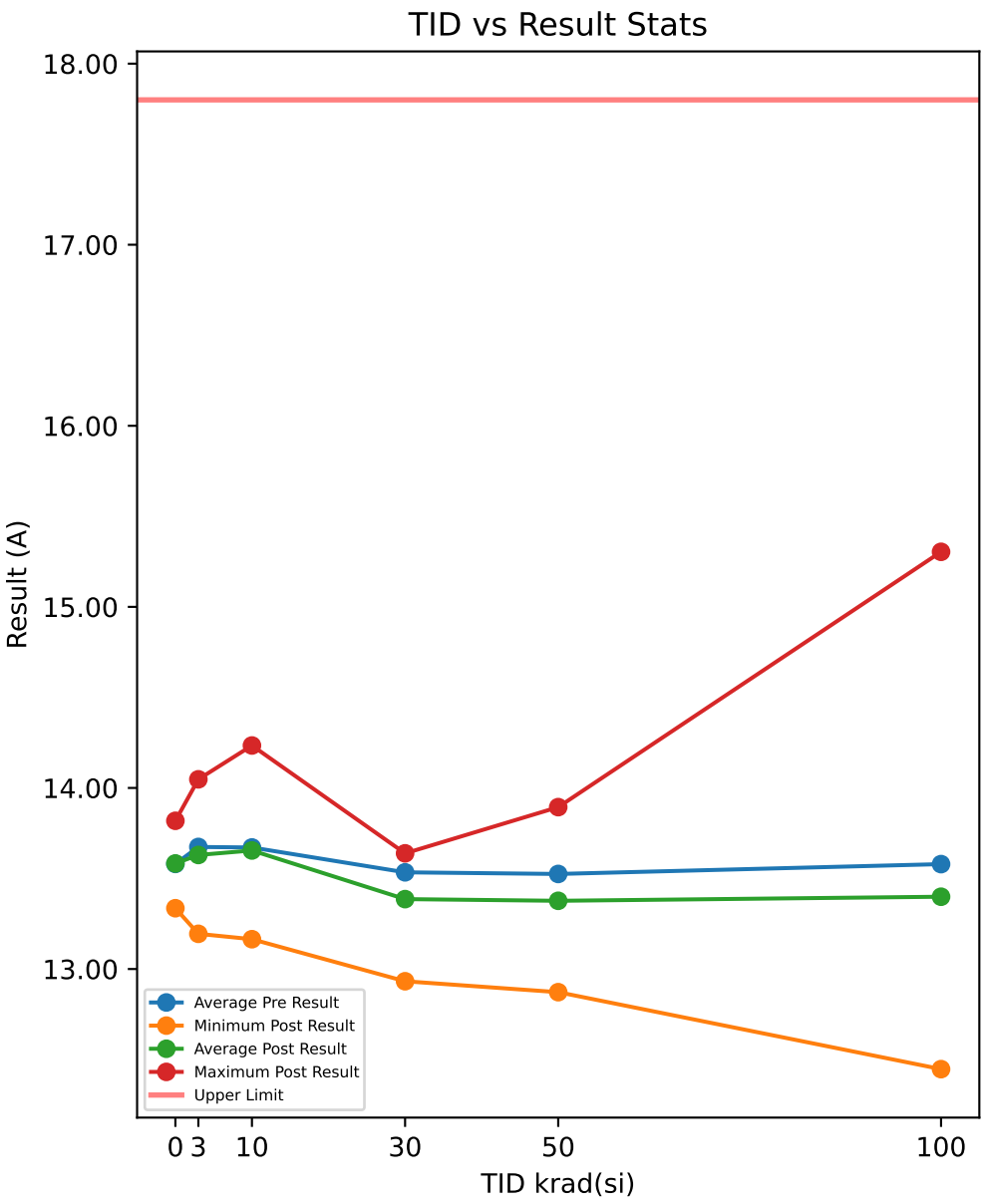
Test Results (Upper Limit = 11.9 (A))

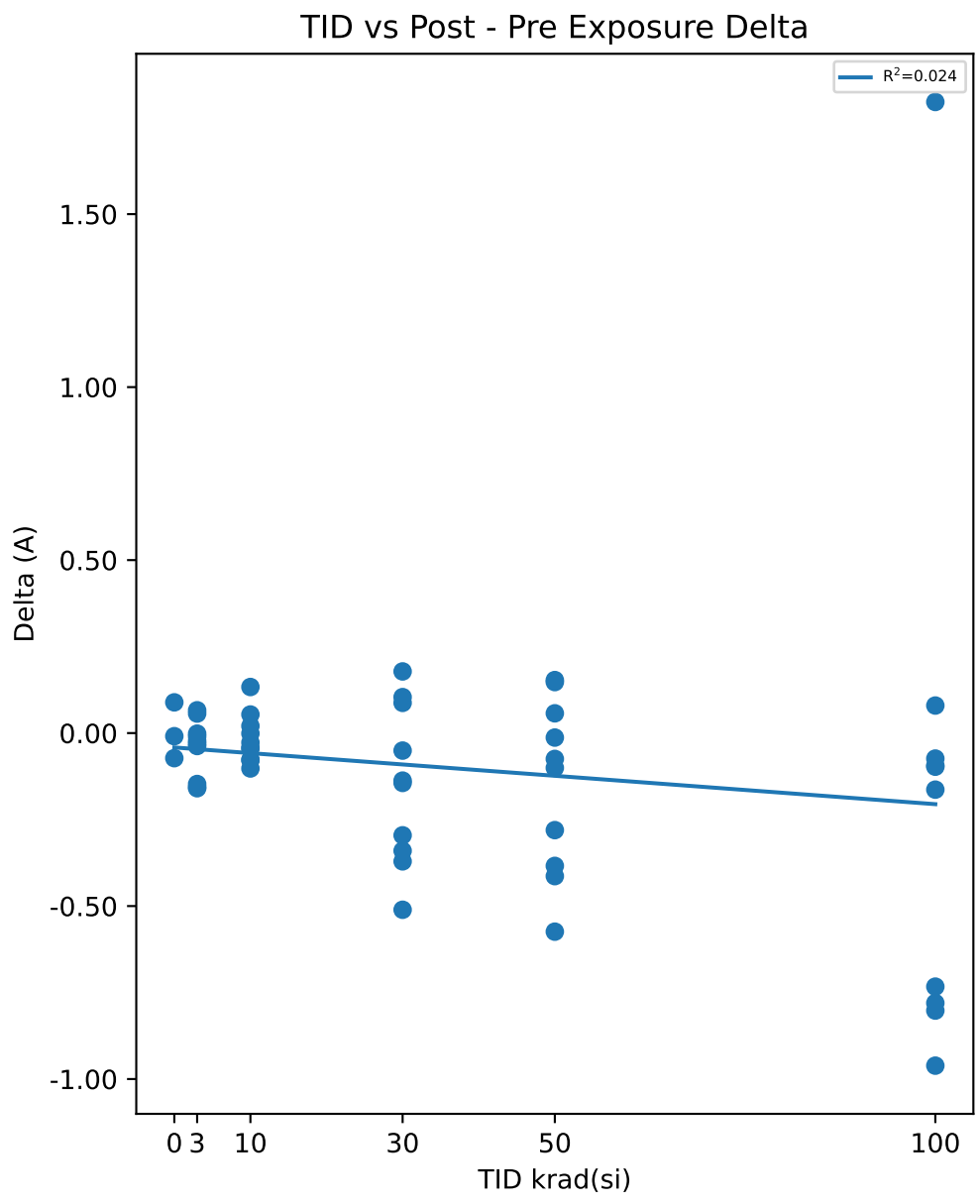
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
390	100	Biased	9.3563	8.9978	-0.3585
392	100	Biased	9.3783	8.3988	-0.9795
393	100	Biased	9.296	8.4928	-0.8032
394	100	Biased	9.1941	8.0038	-1.1903
395	100	Biased	9.4291	8.7207	-0.7084
412	100	Unbiased	9.4143	9.4405	0.0262
413	100	Unbiased	9.5508	9.4296	-0.1212
414	100	Unbiased	9.5092	9.6753	0.1661
415	100	Unbiased	9.2507	10.264	1.0137
416	100	Unbiased	9.4305	9.2163	-0.2142
417	50	Biased	8.9987	8.8192	-0.1795
418	50	Biased	9.1496	8.7216	-0.428
419	50	Biased	9.5462	8.9564	-0.5898
421	50	Biased	9.7272	9.4376	-0.2896
422	50	Biased	9.791	9.618	-0.173
423	50	Unbiased	9.2551	9.4636	0.2085
424	50	Unbiased	9.4349	9.4168	-0.0181
425	50	Unbiased	9.4363	9.3088	-0.1275
426	50	Unbiased	9.1068	9.156	0.0492
427	50	Unbiased	9.1231	9.0882	-0.0349
463	0	Corr	9.2742	9.3178	0.0436
464	0	Corr	9.4171	9.472	0.0549
465	0	Corr	9.3259	9.2148	-0.1111
466	30	Biased	9.2631	8.9983	-0.2648
469	30	Biased	9.2457	8.8641	-0.3816
470	30	Biased	9.5399	9.0242	-0.5157
472	30	Biased	9.6287	9.331	-0.2977
474	30	Biased	9.5362	9.3237	-0.2125
475	30	Unbiased	9.2717	9.2833	0.0116
477	30	Unbiased	9.1492	9.2088	0.0596
478	30	Unbiased	9.3427	9.2712	-0.0715
479	30	Unbiased	9.4122	9.2474	-0.1648
480	30	Unbiased	9.3548	9.3329	-0.0219
481	10	Biased	9.6115	9.6071	-0.0044
482	10	Biased	9.3199	9.239	-0.0809
483	10	Biased	9.4713	9.4737	0.0024
484	10	Biased	9.3683	9.3243	-0.044
485	10	Biased	9.1511	9.1344	-0.0167
487	10	Unbiased	9.4253	9.4359	0.0106
488	10	Unbiased	9.3351	9.3681	0.033
489	10	Unbiased	9.5129	9.4219	-0.091
490	10	Unbiased	9.3693	9.4174	0.0481
491	10	Unbiased	9.8578	9.8713	0.0135
492	3	Biased	9.3056	9.2986	-0.007
493	3	Biased	9.3146	9.3022	-0.0124
494	3	Biased	9.8946	9.7922	-0.1024
495	3	Biased	9.5821	9.4989	-0.0832
496	3	Biased	9.8412	9.6384	-0.2028
497	3	Unbiased	9.1286	9.0765	-0.0521
498	3	Unbiased	9.6458	9.5689	-0.0769
499	3	Unbiased	9.3081	9.1827	-0.1254
500	3	Unbiased	9.7712	9.846	0.0748
502	3	Unbiased	9.6048	9.6301	0.0253

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	9.2742	9.3391	9.4171	0.072354	9.2148	9.3349	9.472	0.12945	-0.1111	-0.0042	0.0549	0.09275
3	9.1286	9.5397	9.8946	0.26159	9.0765	9.4835	9.846	0.25882	-0.2028	-0.05621	0.0748	0.080091
10	9.1511	9.4422	9.8578	0.19133	9.1344	9.4293	9.8713	0.20197	-0.091	-0.01294	0.0481	0.046054
30	9.1492	9.3744	9.6287	0.15321	8.8641	9.1885	9.3329	0.16585	-0.5157	-0.18593	0.0596	0.18445
50	8.9987	9.3569	9.791	0.27338	8.7216	9.1986	9.618	0.29947	-0.5898	-0.15827	0.2085	0.2334
100	9.1941	9.3809	9.5508	0.111	8.0038	9.064	10.264	0.67727	-1.1903	-0.31693	1.0137	0.64668

Device Test: 20.108 HIGHSIDE_CURR_LIM_13A(THRESHOLD|RISE/SW/14////@HIGHSIDE_CURR_LIM_13A)





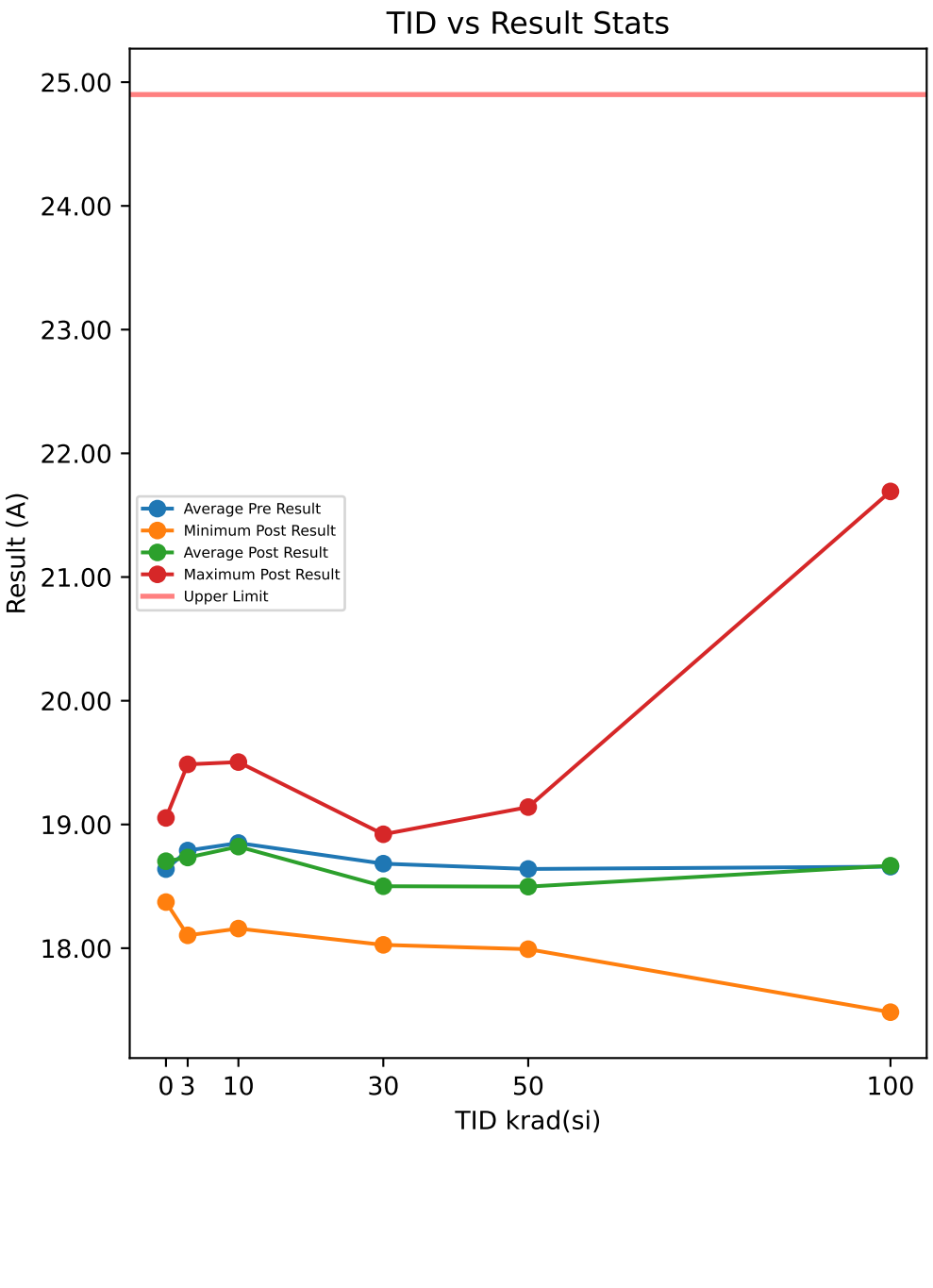
Test Results (Upper Limit = 17.8 (A))

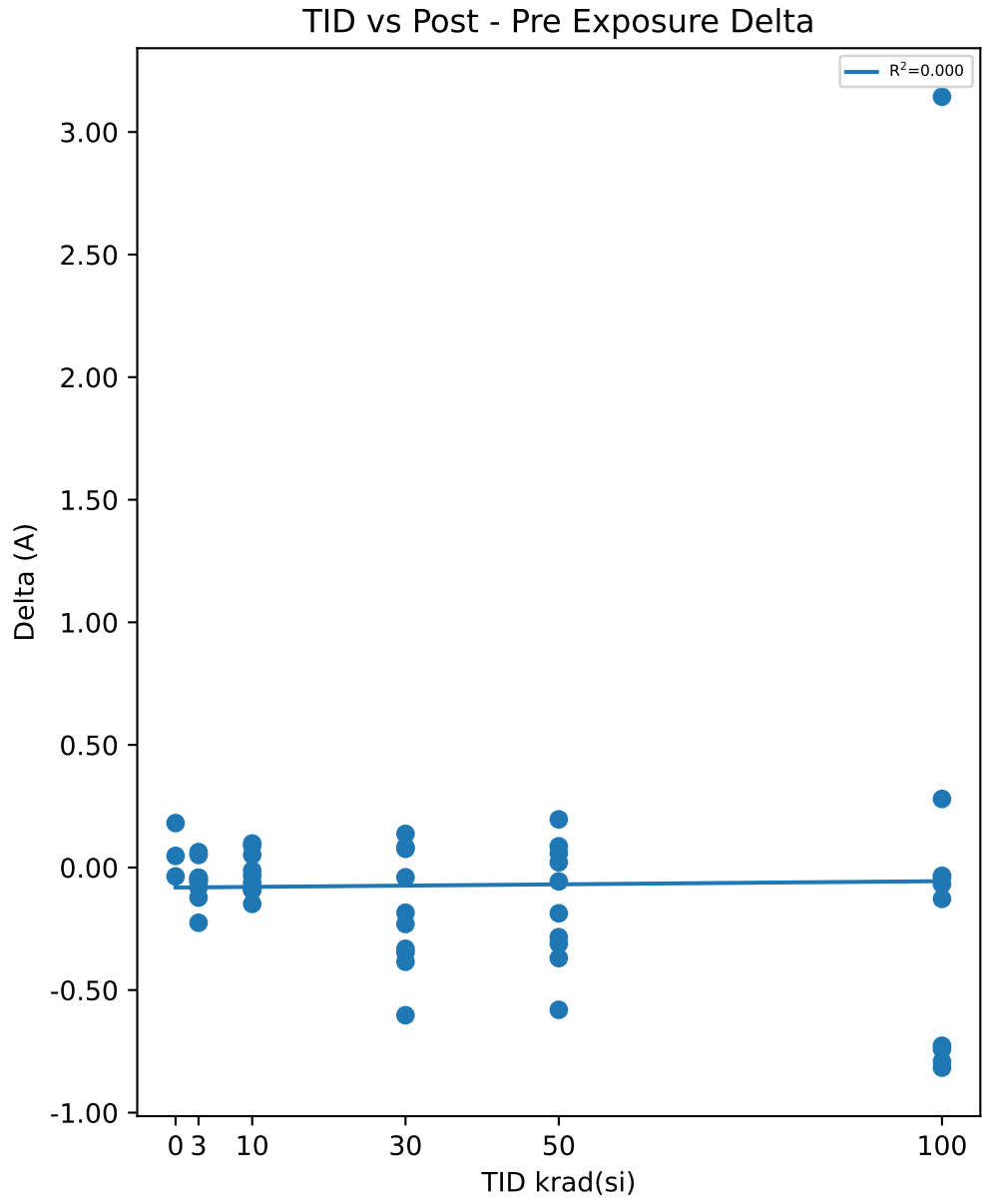
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
390	100	Biased	13.649	13.555	-0.094
392	100	Biased	13.486	12.684	-0.8021
393	100	Biased	13.354	12.621	-0.7329
394	100	Biased	13.408	12.447	-0.9613
395	100	Biased	13.679	12.899	-0.7803
412	100	Unbiased	13.641	13.478	-0.1635
413	100	Unbiased	13.74	13.643	-0.0972
414	100	Unbiased	13.866	13.945	0.0796
415	100	Unbiased	13.48	15.304	1.8242
416	100	Unbiased	13.489	13.416	-0.0737
417	50	Biased	13.081	13.006	-0.0747
418	50	Biased	13.286	12.872	-0.4135
419	50	Biased	13.79	13.216	-0.574
421	50	Biased	14.053	13.669	-0.3839
422	50	Biased	13.907	13.894	-0.013
423	50	Unbiased	13.425	13.572	0.1474
424	50	Unbiased	13.701	13.601	-0.1005
425	50	Unbiased	13.636	13.355	-0.2805
426	50	Unbiased	13.229	13.383	0.1532
427	50	Unbiased	13.142	13.199	0.0571
463	0	Corr	13.505	13.594	0.0888
464	0	Corr	13.828	13.819	-0.009
465	0	Corr	13.408	13.336	-0.0725
466	30	Biased	13.359	13.221	-0.1374
469	30	Biased	13.273	12.932	-0.3402
470	30	Biased	13.655	13.144	-0.5107
472	30	Biased	13.956	13.585	-0.3708
474	30	Biased	13.934	13.639	-0.2955
475	30	Unbiased	13.46	13.547	0.0873
477	30	Unbiased	13.246	13.35	0.104
478	30	Unbiased	13.458	13.636	0.1782
479	30	Unbiased	13.595	13.451	-0.1441
480	30	Unbiased	13.404	13.354	-0.0506
481	10	Biased	13.912	13.868	-0.0441
482	10	Biased	13.521	13.418	-0.1023
483	10	Biased	13.692	13.691	-0.0012
484	10	Biased	13.568	13.491	-0.0767
485	10	Biased	13.144	13.165	0.0205
487	10	Unbiased	13.611	13.744	0.1332
488	10	Unbiased	13.616	13.573	-0.0426
489	10	Unbiased	13.821	13.743	-0.0786
490	10	Unbiased	13.646	13.619	-0.0274
491	10	Unbiased	14.181	14.234	0.0537
492	3	Biased	13.327	13.289	-0.0374
493	3	Biased	13.215	13.206	-0.0098
494	3	Biased	14.097	13.949	-0.1472
495	3	Biased	13.761	13.738	-0.0229
496	3	Biased	14.204	14.047	-0.1563
497	3	Unbiased	13.128	13.194	0.0659
498	3	Unbiased	13.722	13.721	-0.0016
499	3	Unbiased	13.399	13.239	-0.1594
500	3	Unbiased	14.016	13.985	-0.0306
502	3	Unbiased	13.872	13.929	0.0564

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	13.408	13.58	13.828	0.21946	13.336	13.583	13.819	0.2416	-0.0725	0.0024333	0.0888	0.081256
3	13.128	13.674	14.204	0.38437	13.194	13.63	14.047	0.3575	-0.1594	-0.04429	0.0659	0.083248
10	13.144	13.671	14.181	0.27061	13.165	13.655	14.234	0.28469	-0.1023	-0.01655	0.1332	0.070981
30	13.246	13.534	13.956	0.25099	12.932	13.386	13.639	0.23333	-0.5107	-0.14798	0.1782	0.22968
50	13.081	13.525	14.053	0.33945	12.872	13.377	13.894	0.31467	-0.574	-0.14824	0.1532	0.2519
100	13.354	13.579	13.866	0.16105	12.447	13.399	15.304	0.83607	-0.9613	-0.18012	1.8242	0.80094

Device Test: 20.109 HIGHSIDE_CURR_LIM_19A(THRESHOLD|RISE/SW/14////@HIGHSIDE_CURR_LIM_19A)





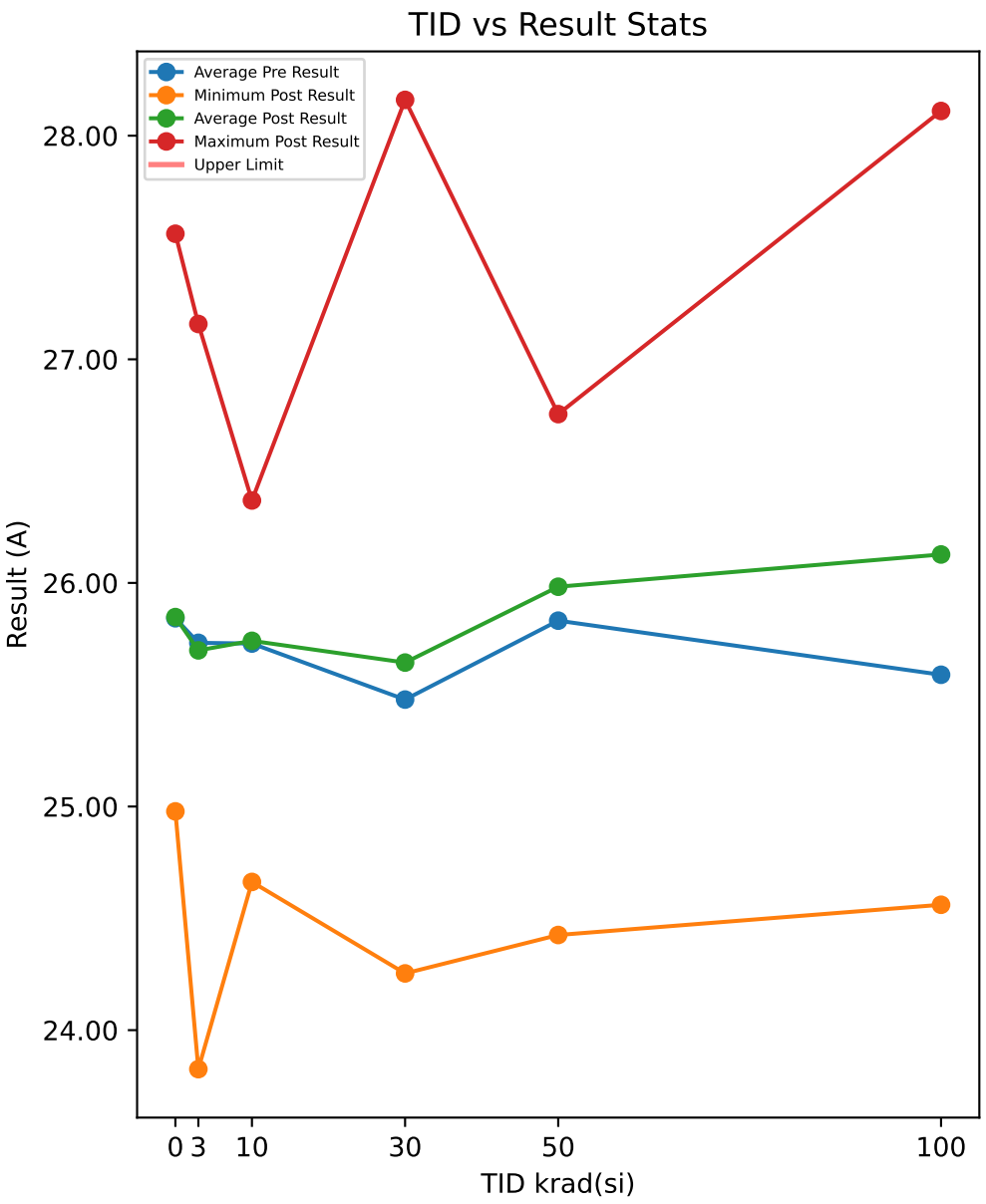
Test Results (Upper Limit = 24.9 (A))

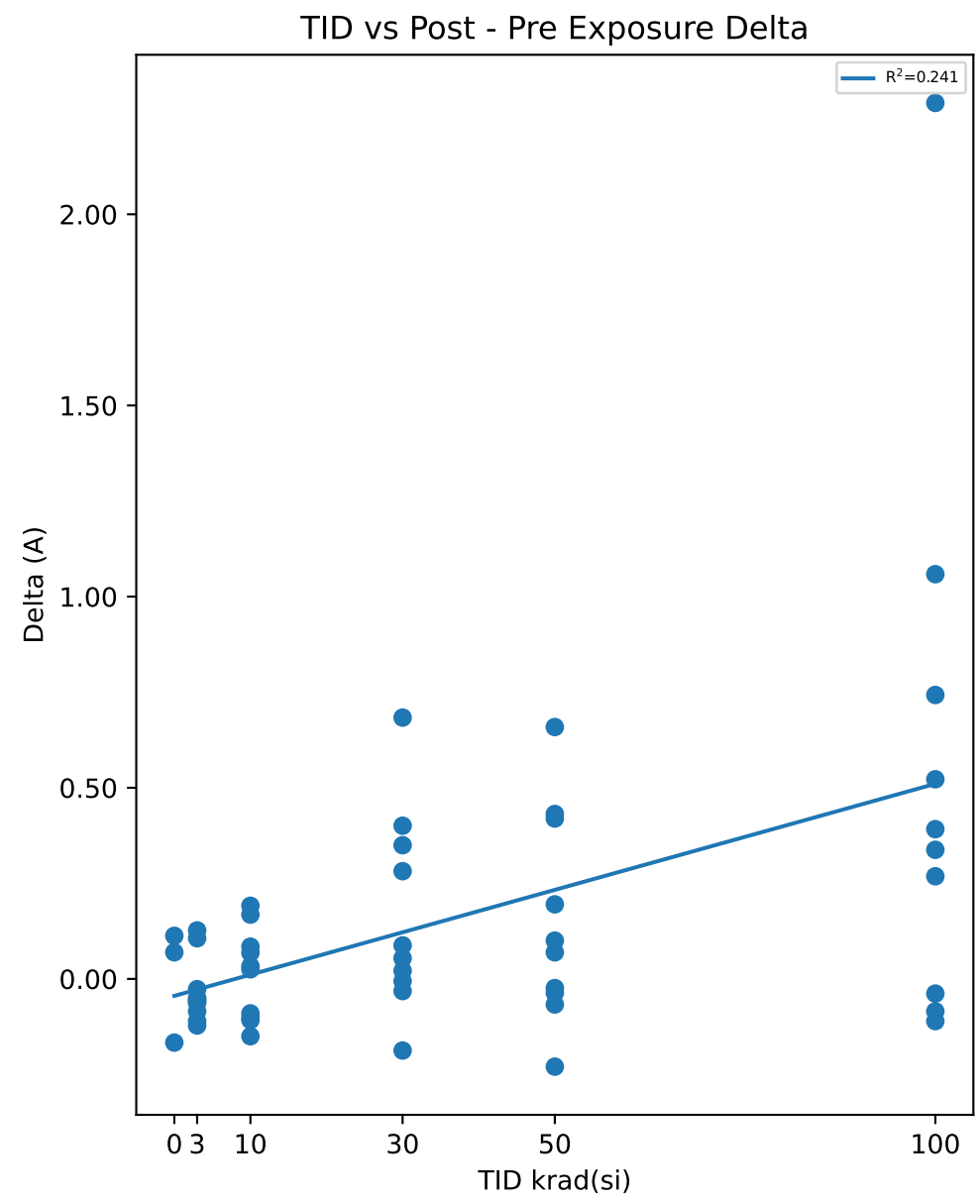
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
390	100	Biased	18.972	18.938	-0.034
392	100	Biased	18.575	17.848	-0.727
393	100	Biased	18.299	17.483	-0.8163
394	100	Biased	18.466	17.675	-0.7912
395	100	Biased	18.714	17.974	-0.7404
412	100	Unbiased	18.763	18.695	-0.0679
413	100	Unbiased	18.852	18.725	-0.1278
414	100	Unbiased	18.938	19.218	0.2796
415	100	Unbiased	18.548	21.692	3.1438
416	100	Unbiased	18.459	18.42	-0.0389
417	50	Biased	17.953	18.149	0.1963
418	50	Biased	18.276	17.992	-0.2842
419	50	Biased	18.933	18.352	-0.5806
421	50	Biased	19.276	18.965	-0.3112
422	50	Biased	19.197	19.14	-0.0568
423	50	Unbiased	18.451	18.537	0.0863
424	50	Unbiased	18.896	18.709	-0.187
425	50	Unbiased	18.824	18.454	-0.3697
426	50	Unbiased	18.409	18.43	0.0209
427	50	Unbiased	18.187	18.246	0.0584
463	0	Corr	18.503	18.684	0.1812
464	0	Corr	19.005	19.053	0.0473
465	0	Corr	18.409	18.373	-0.0365
466	30	Biased	18.505	18.32	-0.1847
469	30	Biased	18.373	18.027	-0.3464
470	30	Biased	18.781	18.178	-0.6026
472	30	Biased	19.207	18.823	-0.3844
474	30	Biased	19.252	18.921	-0.3316
475	30	Unbiased	18.633	18.717	0.0833
477	30	Unbiased	18.261	18.337	0.0763
478	30	Unbiased	18.603	18.74	0.1372
479	30	Unbiased	18.76	18.529	-0.2305
480	30	Unbiased	18.456	18.416	-0.0402
481	10	Biased	19.036	19.125	0.0884
482	10	Biased	18.62	18.472	-0.1485
483	10	Biased	18.726	18.634	-0.0918
484	10	Biased	18.767	18.683	-0.0843
485	10	Biased	18.25	18.159	-0.0918
487	10	Unbiased	18.794	18.892	0.0979
488	10	Unbiased	18.956	18.894	-0.0624
489	10	Unbiased	18.961	18.926	-0.0353
490	10	Unbiased	18.872	18.924	0.0514
491	10	Unbiased	19.517	19.504	-0.0123
492	3	Biased	18.287	18.228	-0.0584
493	3	Biased	18.192	18.15	-0.042
494	3	Biased	19.256	19.175	-0.0809
495	3	Biased	18.971	18.929	-0.0418
496	3	Biased	19.536	19.486	-0.0504
497	3	Unbiased	18.16	18.104	-0.0562
498	3	Unbiased	18.857	18.734	-0.1228
499	3	Unbiased	18.435	18.209	-0.2255
500	3	Unbiased	19.167	19.218	0.0512
502	3	Unbiased	19.033	19.096	0.0629

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	18.409	18.639	19.005	0.32067	18.373	18.703	19.053	0.34045	-0.0365	0.064	0.1812	0.10981
3	18.16	18.789	19.536	0.48839	18.104	18.733	19.486	0.5199	-0.2255	-0.05639	0.0629	0.081564
10	18.25	18.85	19.517	0.32332	18.159	18.821	19.504	0.36599	-0.1485	-0.02887	0.0979	0.083673
30	18.261	18.683	19.252	0.33015	18.027	18.501	18.921	0.29445	-0.6026	-0.18236	0.1372	0.24238
50	17.953	18.64	19.276	0.44714	17.992	18.497	19.14	0.35692	-0.5806	-0.14276	0.1963	0.24395
100	18.299	18.659	18.972	0.22439	17.483	18.667	21.692	1.2078	-0.8163	0.00799	3.1438	1.1716

Device Test: 20.11 HIGHSIDE_CURR_LIM2_19A(THRESHOLD|RISE/SW/4.5////@HIGHSIDE_CURR_LIM2_19A)





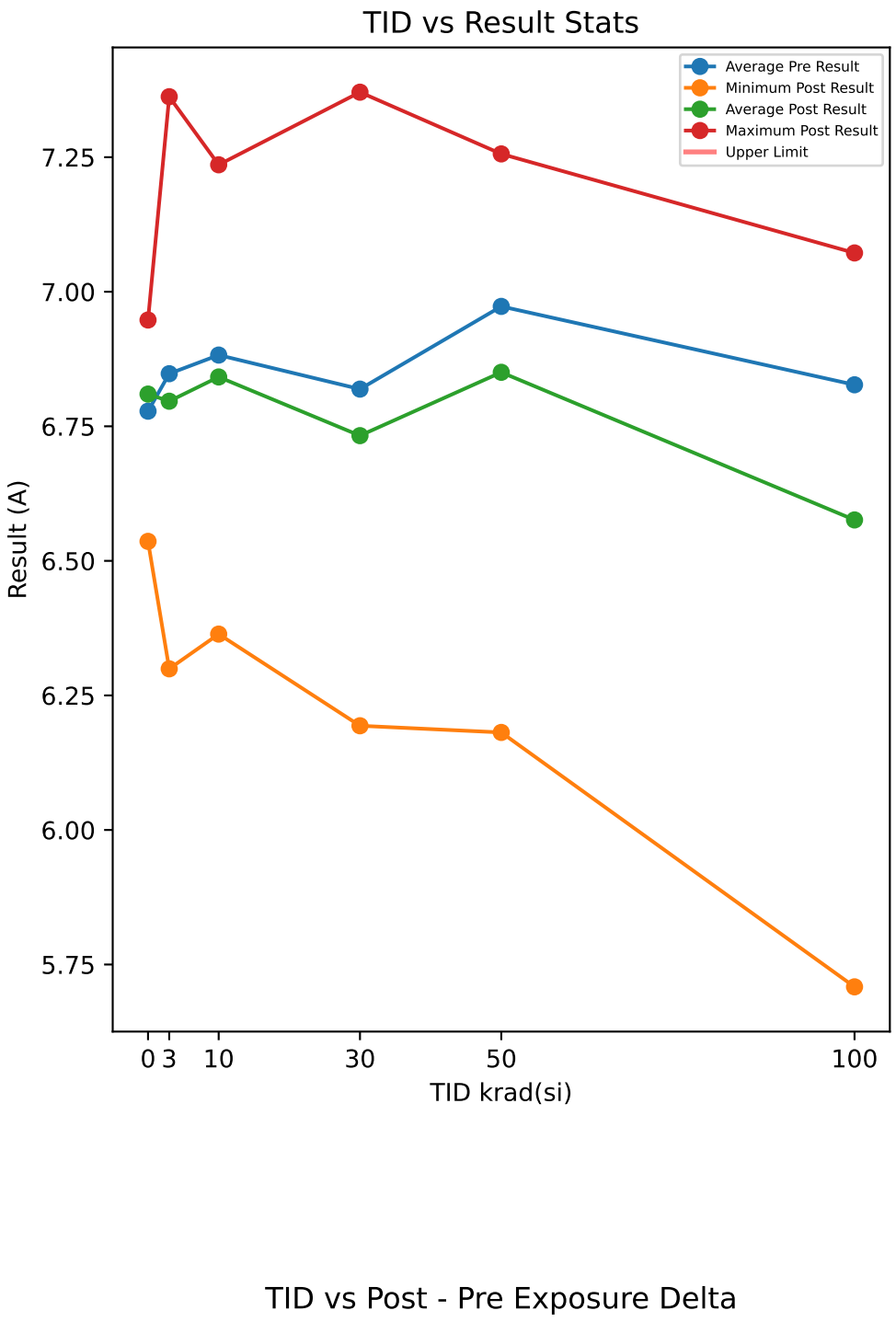
Test Results (No Limits Specified (A))

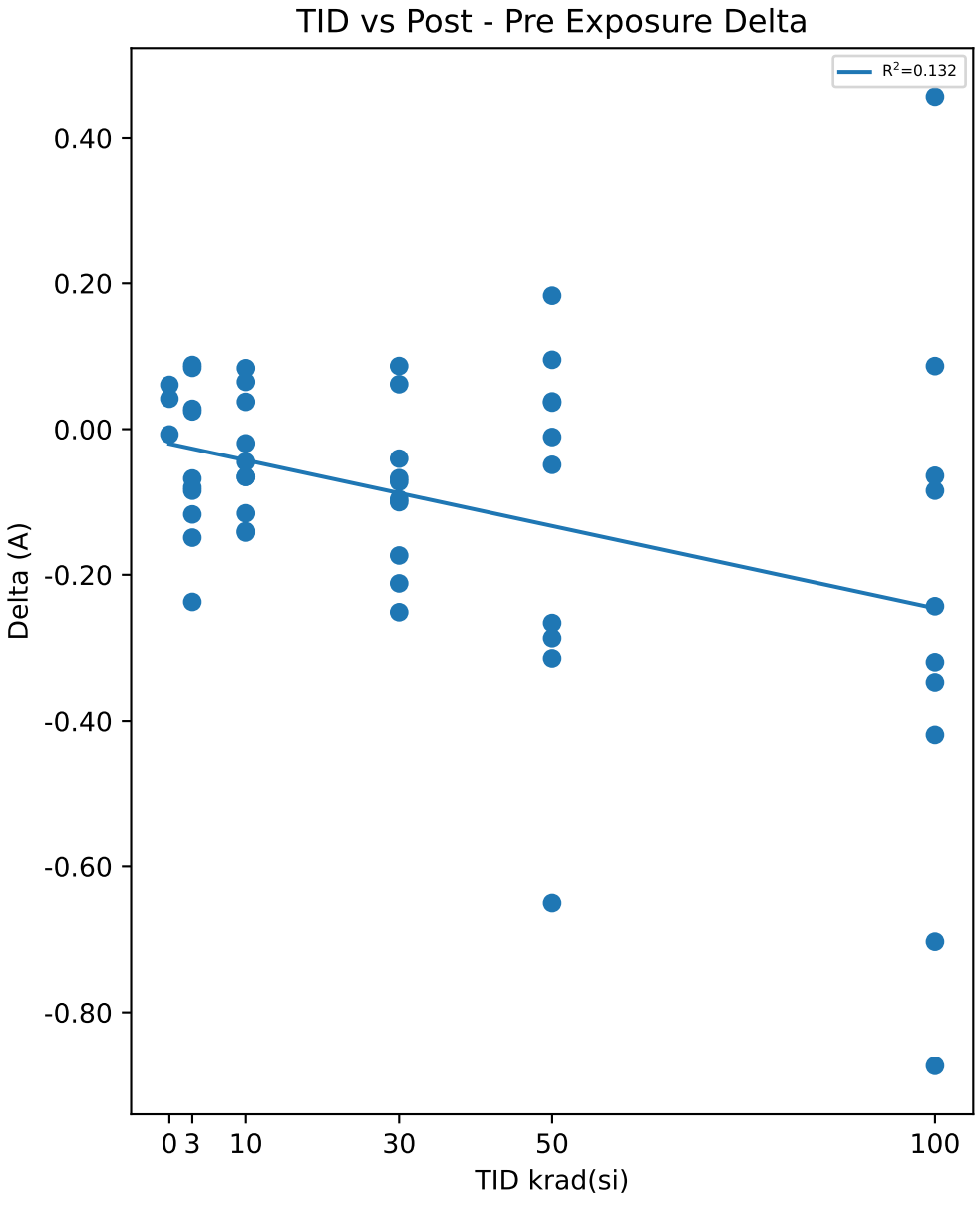
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
390	100	Biased	27.368	28.11	0.7427
392	100	Biased	27.07	27.462	0.3917
393	100	Biased	25.788	26.846	1.0587
394	100	Biased	25.068	25.03	-0.0384
395	100	Biased	25.368	25.89	0.5222
412	100	Unbiased	25.232	25.501	0.2685
413	100	Unbiased	25.758	26.095	0.3377
414	100	Unbiased	24.645	24.561	-0.0848
415	100	Unbiased	24.839	27.131	2.2913
416	100	Unbiased	24.756	24.645	-0.1104
417	50	Biased	26.147	26.578	0.4314
418	50	Biased	26.096	26.755	0.6588
419	50	Biased	24.492	24.425	-0.0669
421	50	Biased	25.498	25.567	0.0694
422	50	Biased	26.624	26.724	0.1002
423	50	Unbiased	25.774	26.193	0.4195
424	50	Unbiased	24.83	24.601	-0.2295
425	50	Unbiased	26.489	26.465	-0.0239
426	50	Unbiased	26.574	26.537	-0.0364
427	50	Unbiased	25.788	25.983	0.195
463	0	Corr	24.866	24.978	0.1127
464	0	Corr	24.932	25.002	0.0696
465	0	Corr	27.728	27.561	-0.1666
466	30	Biased	24.546	24.514	-0.0318
469	30	Biased	25.598	25.999	0.4007
470	30	Biased	25.898	25.919	0.0215
472	30	Biased	25.98	26.262	0.2818
474	30	Biased	28.106	28.16	0.0541
475	30	Unbiased	24.233	24.582	0.3497
477	30	Unbiased	23.57	24.254	0.6836
478	30	Unbiased	24.652	24.465	-0.1874
479	30	Unbiased	27.029	27.023	-0.0056
480	30	Unbiased	25.172	25.26	0.0877
481	10	Biased	26.349	26.259	-0.0902
482	10	Biased	26.059	26.092	0.0332
483	10	Biased	26.344	26.369	0.0251
484	10	Biased	25.279	25.171	-0.1078
485	10	Biased	26.208	26.058	-0.15
487	10	Unbiased	25.449	25.517	0.0684
488	10	Unbiased	24.765	24.663	-0.1017
489	10	Unbiased	25.303	25.494	0.1913
490	10	Unbiased	25.873	26.041	0.1682
491	10	Unbiased	25.662	25.746	0.0843
492	3	Biased	27.032	26.969	-0.0628
493	3	Biased	25.861	25.811	-0.0497
494	3	Biased	23.885	23.826	-0.0595
495	3	Biased	27.031	27.158	0.1269
496	3	Biased	25.532	25.447	-0.0848
497	3	Unbiased	25.993	25.939	-0.0543
498	3	Unbiased	24.866	24.755	-0.1103
499	3	Unbiased	26.169	26.047	-0.1219
500	3	Unbiased	25.633	25.739	0.1063
502	3	Unbiased	25.32	25.293	-0.0268

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	24.866	25.842	27.728	1.6338	24.978	25.847	27.561	1.4847	-0.1666	0.0052333	0.1127	0.15036
3	23.885	25.732	27.032	0.94486	23.826	25.698	27.158	0.97545	-0.1219	-0.03369	0.1269	0.084255
10	24.765	25.729	26.349	0.52905	24.663	25.741	26.369	0.53483	-0.15	0.01208	0.1913	0.11997
30	23.57	25.478	28.106	1.3577	24.254	25.644	28.16	1.2777	-0.1874	0.16543	0.6836	0.25887
50	24.492	25.831	26.624	0.72211	24.425	25.983	26.755	0.85587	-0.2295	0.15176	0.6588	0.27441
100	24.645	25.589	27.368	0.94401	24.561	26.127	28.11	1.2267	-0.1104	0.53792	2.2913	0.71972

Device Test: 20.110 HIGHSIDE_CURR_LIM2_6A(THRESHOLD|RISE/SW/14////@HIGHSIDE_CURR_LIM2_6A)





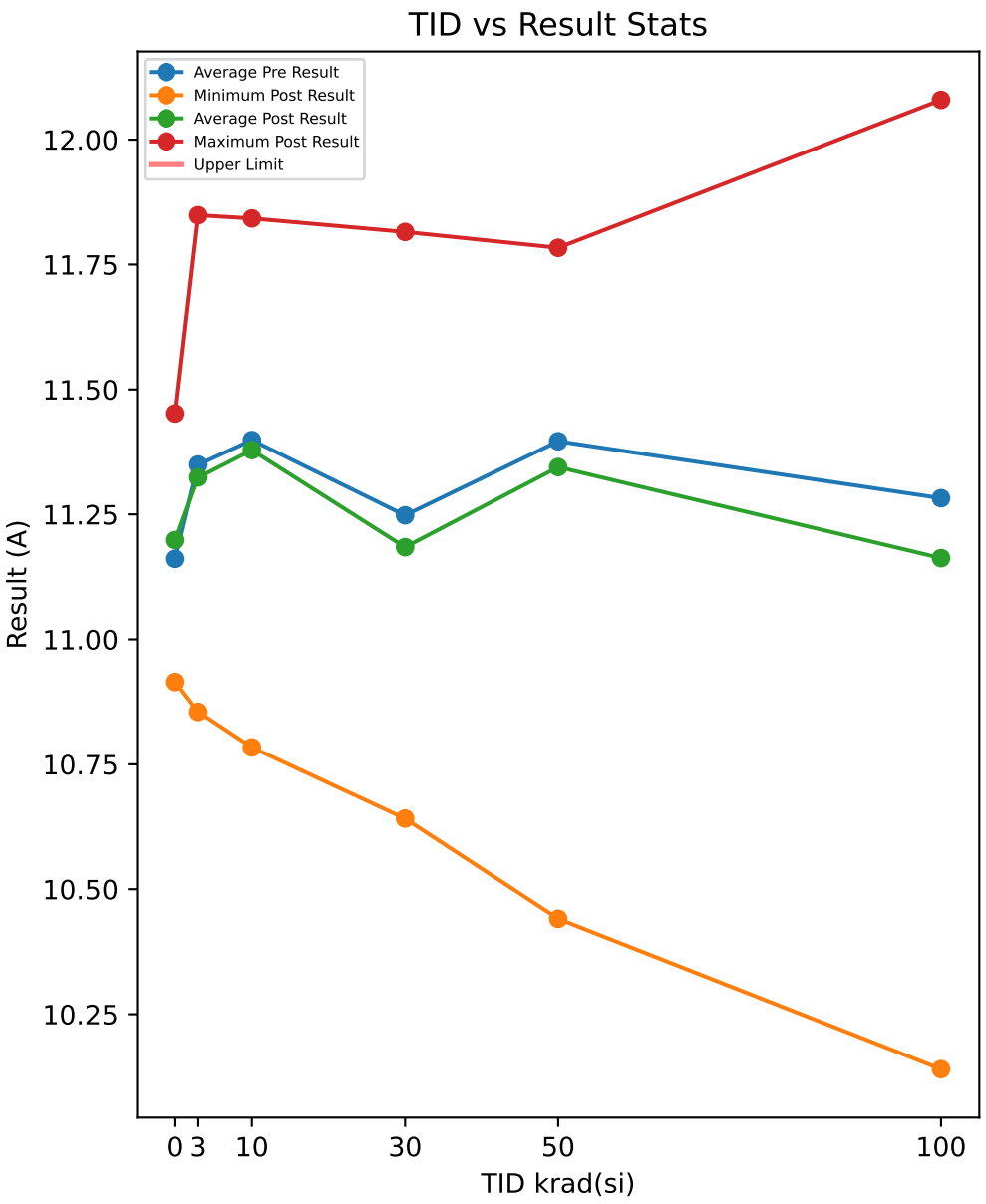
Test Results (No Limits Specified (A))

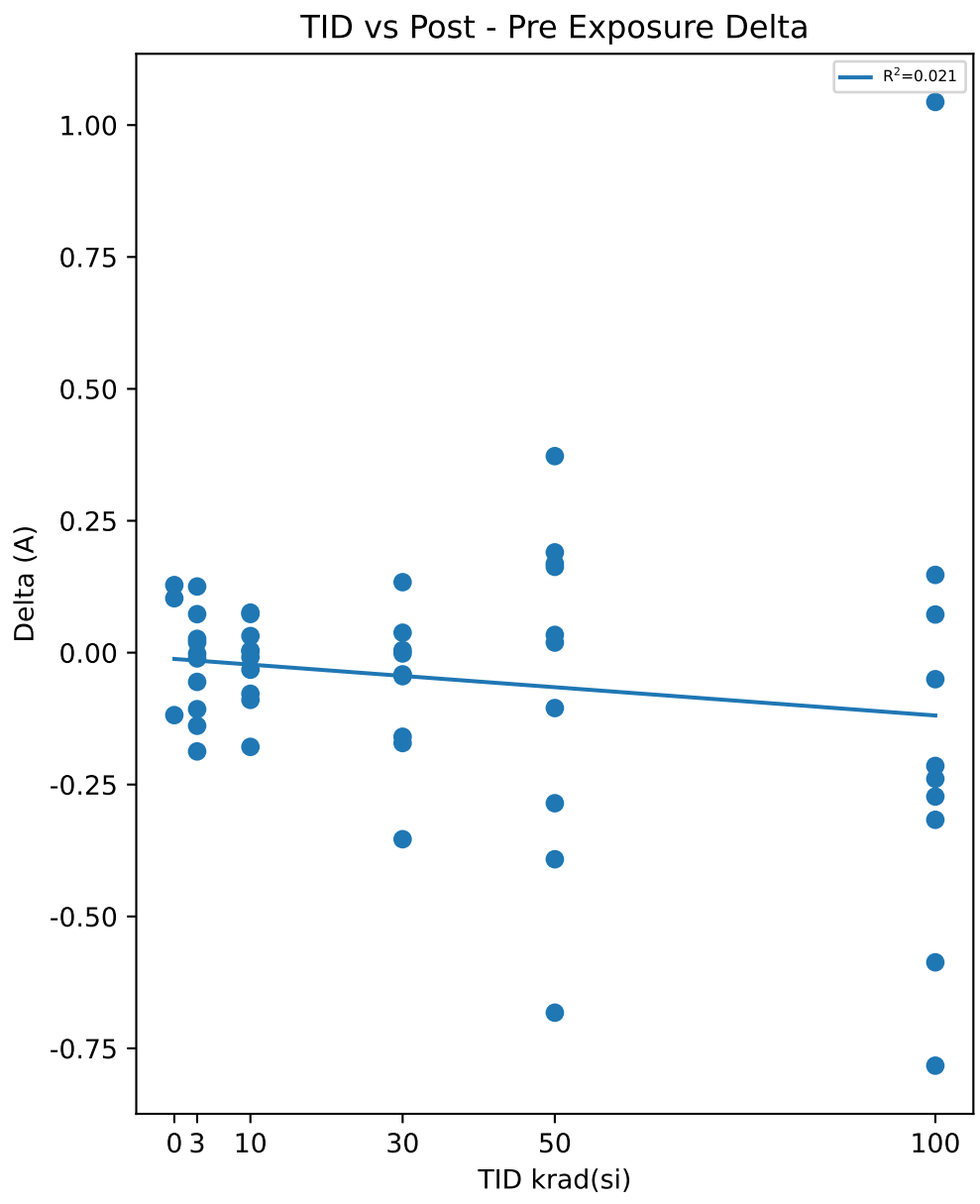
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
390	100	Biased	6.9855	7.0721	0.0866
392	100	Biased	7.1592	6.4563	-0.7029
393	100	Biased	6.8911	6.8066	-0.0845
394	100	Biased	6.582	5.7085	-0.8735
395	100	Biased	6.6311	6.2839	-0.3472
412	100	Unbiased	6.7052	6.6412	-0.064
413	100	Unbiased	7.2841	6.9644	-0.3197
414	100	Unbiased	6.5615	6.1426	-0.4189
415	100	Unbiased	6.5632	7.0194	0.4562
416	100	Unbiased	6.9084	6.6653	-0.2431
417	50	Biased	6.5963	6.6344	0.0381
418	50	Biased	6.9965	7.1796	0.1831
419	50	Biased	6.8313	6.1812	-0.6501
421	50	Biased	6.845	6.9402	0.0952
422	50	Biased	7.2714	6.9846	-0.2868
423	50	Unbiased	7.2197	7.2561	0.0364
424	50	Unbiased	6.8645	6.5984	-0.2661
425	50	Unbiased	7.0029	6.6885	-0.3144
426	50	Unbiased	7.0339	6.9849	-0.049
427	50	Unbiased	7.0663	7.0555	-0.0108
463	0	Corr	6.9057	6.9475	0.0418
464	0	Corr	6.5435	6.5362	-0.0073
465	0	Corr	6.8851	6.9459	0.0608
466	30	Biased	6.6604	6.5601	-0.1003
469	30	Biased	6.9176	7.0043	0.0867
470	30	Biased	6.5773	6.326	-0.2513
472	30	Biased	6.912	6.8398	-0.0722
474	30	Biased	7.3091	7.3708	0.0617
475	30	Unbiased	6.8683	6.7722	-0.0961
477	30	Unbiased	6.6528	6.6123	-0.0405
478	30	Unbiased	6.3671	6.1936	-0.1735
479	30	Unbiased	7.1574	6.9456	-0.2118
480	30	Unbiased	6.769	6.7017	-0.0673
481	10	Biased	7.0404	6.9248	-0.1156
482	10	Biased	6.547	6.5022	-0.0448
483	10	Biased	7.3013	7.2359	-0.0654
484	10	Biased	7.2004	7.0584	-0.142
485	10	Biased	6.9153	6.8958	-0.0195
487	10	Unbiased	6.299	6.3639	0.0649
488	10	Unbiased	6.717	6.5769	-0.1401
489	10	Unbiased	6.8748	6.8092	-0.0656
490	10	Unbiased	6.7932	6.8769	0.0837
491	10	Unbiased	7.1351	7.1726	0.0375
492	3	Biased	6.8311	6.7633	-0.0678
493	3	Biased	6.9183	6.9426	0.0243
494	3	Biased	6.7899	6.5527	-0.2372
495	3	Biased	6.9088	6.9969	0.0881
496	3	Biased	6.7359	6.6559	-0.08
497	3	Unbiased	6.7795	6.6624	-0.1171
498	3	Unbiased	6.4484	6.2994	-0.149
499	3	Unbiased	7.1086	7.0241	-0.0845
500	3	Unbiased	7.2782	7.3624	0.0842
502	3	Unbiased	6.6785	6.7064	0.0279

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	6.5435	6.7781	6.9057	0.20343	6.5362	6.8099	6.9475	0.237	-0.0073	0.031767	0.0608	0.035141
3	6.4484	6.8477	7.2782	0.22875	6.2994	6.7966	7.3624	0.29572	-0.2372	-0.05111	0.0881	0.10563
10	6.299	6.8823	7.3013	0.30817	6.3639	6.8417	7.2359	0.28629	-0.142	-0.04069	0.0837	0.081779
30	6.3671	6.8191	7.3091	0.27757	6.1936	6.7326	7.3708	0.34003	-0.2513	-0.08646	0.0867	0.1082
50	6.5963	6.9728	7.2714	0.1983	6.1812	6.8503	7.2561	0.32376	-0.6501	-0.12244	0.1831	0.25221
100	6.5615	6.8271	7.2841	0.26002	5.7085	6.576	7.0721	0.43449	-0.8735	-0.2511	0.4562	0.38163

Device Test: 20.111 HIGHSIDE_CURR_LIM2_9A(THRESHOLD|RISE/SW/14////@HIGHSIDE_CURR_LIM2_9A)





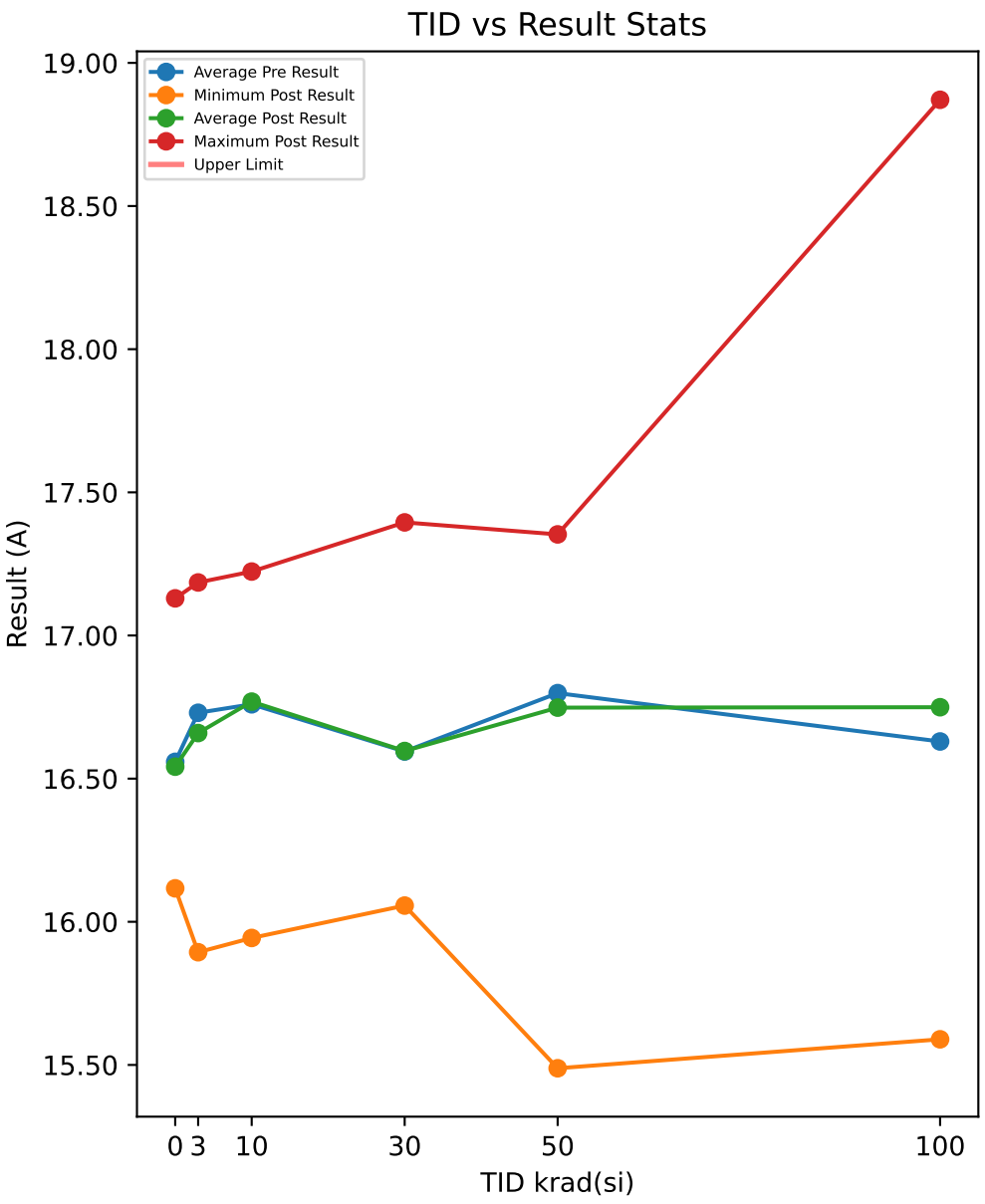
Test Results (No Limits Specified (A))

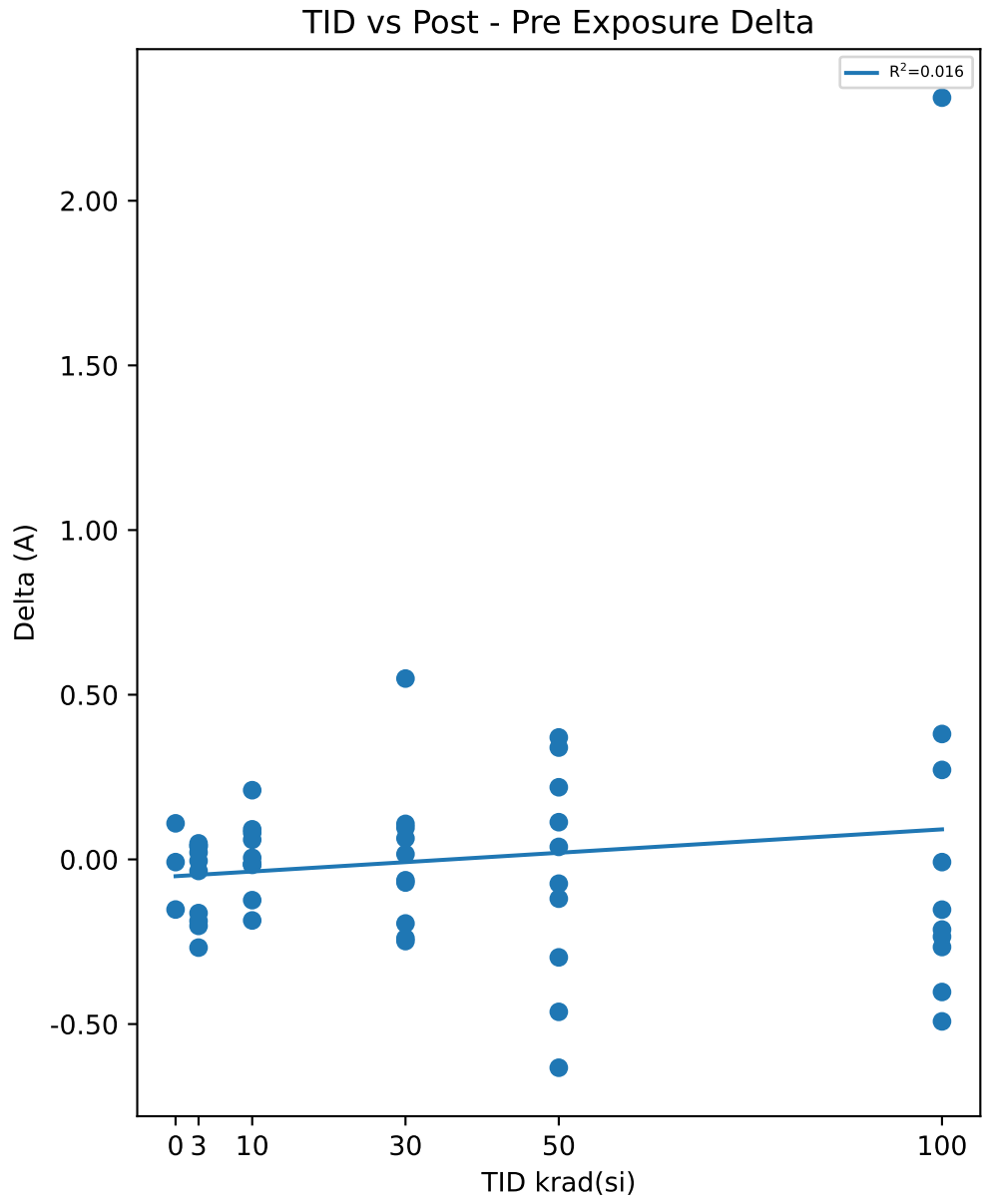
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
390	100	Biased	11.741	11.813	0.0723
392	100	Biased	11.696	11.109	-0.587
393	100	Biased	11.328	11.476	0.1474
394	100	Biased	10.923	10.14	-0.7828
395	100	Biased	11.055	10.782	-0.2727
412	100	Unbiased	11.015	10.965	-0.0503
413	100	Unbiased	11.813	11.598	-0.2147
414	100	Unbiased	11.04	10.723	-0.3168
415	100	Unbiased	11.036	12.079	1.0438
416	100	Unbiased	11.177	10.938	-0.2391
417	50	Biased	11.106	11.275	0.1687
418	50	Biased	11.256	11.629	0.3725
419	50	Biased	11.123	10.441	-0.6824
421	50	Biased	11.369	11.403	0.0337
422	50	Biased	11.732	11.627	-0.105
423	50	Unbiased	11.505	11.668	0.1627
424	50	Unbiased	11.133	10.848	-0.2854
425	50	Unbiased	11.73	11.339	-0.3916
426	50	Unbiased	11.415	11.434	0.0191
427	50	Unbiased	11.593	11.783	0.1901
463	0	Corr	11.101	11.229	0.1281
464	0	Corr	10.812	10.915	0.1031
465	0	Corr	11.57	11.452	-0.1184
466	30	Biased	11.004	10.845	-0.1594
469	30	Biased	11.438	11.443	0.0049
470	30	Biased	10.995	10.642	-0.3536
472	30	Biased	11.454	11.453	-0.0015
474	30	Biased	11.777	11.815	0.0378
475	30	Unbiased	11.272	11.229	-0.0426
477	30	Unbiased	10.917	11.051	0.1336
478	30	Unbiased	10.726	10.682	-0.0446
479	30	Unbiased	11.719	11.548	-0.1713
480	30	Unbiased	11.178	11.137	-0.0411
481	10	Biased	11.65	11.561	-0.0895
482	10	Biased	11.272	11.094	-0.1786
483	10	Biased	11.839	11.842	0.003
484	10	Biased	11.736	11.768	0.0315
485	10	Biased	11.576	11.498	-0.0779
487	10	Unbiased	10.711	10.784	0.0733
488	10	Unbiased	10.935	10.927	-0.0086
489	10	Unbiased	11.284	11.36	0.0759
490	10	Unbiased	11.219	11.223	0.0039
491	10	Unbiased	11.764	11.731	-0.0323
492	3	Biased	11.533	11.477	-0.0554
493	3	Biased	11.557	11.546	-0.0109
494	3	Biased	11.042	10.855	-0.1872
495	3	Biased	11.404	11.402	-0.0021
496	3	Biased	11.222	11.115	-0.1071
497	3	Unbiased	11.181	11.207	0.0262
498	3	Unbiased	10.847	10.867	0.0196
499	3	Unbiased	11.868	11.73	-0.1386
500	3	Unbiased	11.776	11.849	0.073
502	3	Unbiased	11.068	11.194	0.1254

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	10.812	11.161	11.57	0.38297	10.915	11.199	11.452	0.26993	-0.1184	0.0376	0.1281	0.13568
3	10.847	11.35	11.868	0.3335	10.855	11.324	11.849	0.337	-0.1872	-0.02571	0.1254	0.096857
10	10.711	11.399	11.839	0.37796	10.784	11.379	11.842	0.36546	-0.1786	-0.01993	0.0759	0.078367
30	10.726	11.248	11.777	0.34828	10.642	11.184	11.815	0.38787	-0.3536	-0.06378	0.1336	0.13495
50	11.106	11.396	11.732	0.24119	10.441	11.345	11.783	0.4133	-0.6824	-0.05176	0.3725	0.31903
100	10.923	11.282	11.813	0.34122	10.14	11.162	12.079	0.57998	-0.7828	-0.11999	1.0438	0.49558

Device Test: 20.112 HIGHSIDE_CURR_LIM2_13A(THRESHOLD|RISE/SW/14////@HIGHSIDE_CURR_LIM2_13A)





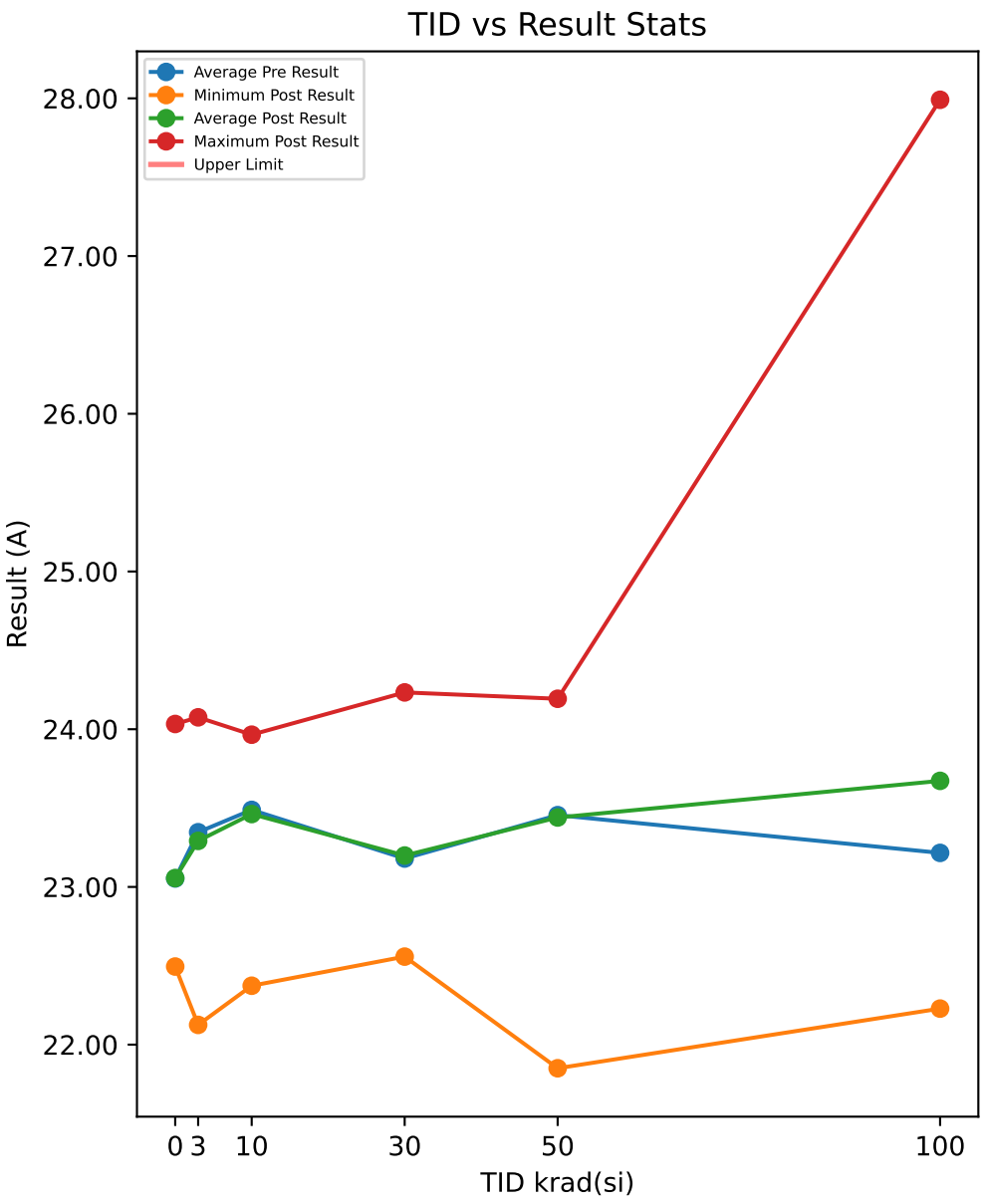
Test Results (No Limits Specified (A))

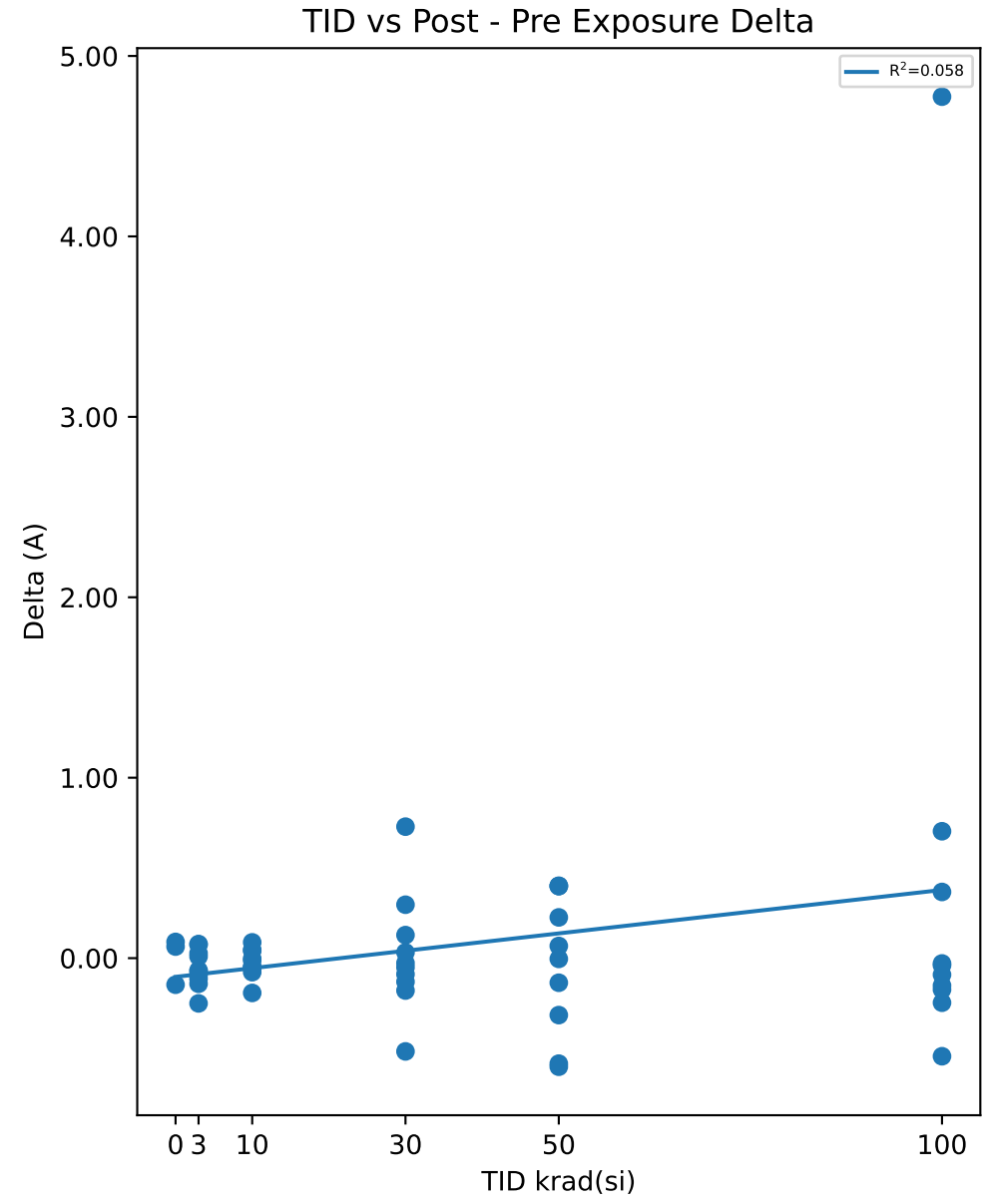
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
390	100	Biased	17.247	17.628	0.3808
392	100	Biased	17.189	16.786	-0.4026
393	100	Biased	16.801	17.072	0.2717
394	100	Biased	16.081	15.589	-0.4919
395	100	Biased	16.45	16.215	-0.2345
412	100	Unbiased	16.292	16.14	-0.1526
413	100	Unbiased	17.04	17.032	-0.0082
414	100	Unbiased	16.34	16.127	-0.213
415	100	Unbiased	16.558	18.871	2.313
416	100	Unbiased	16.3	16.034	-0.2661
417	50	Biased	16.651	16.87	0.219
418	50	Biased	16.715	17.085	0.3703
419	50	Biased	16.121	15.488	-0.6326
421	50	Biased	16.881	16.761	-0.1193
422	50	Biased	17.304	17.23	-0.0737
423	50	Unbiased	16.792	16.905	0.113
424	50	Unbiased	16.402	16.105	-0.2975
425	50	Unbiased	17.278	16.815	-0.4629
426	50	Unbiased	16.83	16.868	0.038
427	50	Unbiased	17.014	17.353	0.3395
463	0	Corr	16.269	16.379	0.1095
464	0	Corr	16.125	16.117	-0.0082
465	0	Corr	17.282	17.13	-0.1522
466	30	Biased	16.172	16.102	-0.0703
469	30	Biased	16.679	16.787	0.1079
470	30	Biased	16.441	16.193	-0.2481
472	30	Biased	16.877	16.941	0.0639
474	30	Biased	17.59	17.395	-0.1945
475	30	Unbiased	16.516	16.612	0.0959
477	30	Unbiased	15.803	16.352	0.5491
478	30	Unbiased	16.041	16.057	0.016
479	30	Unbiased	17.276	17.037	-0.2394
480	30	Unbiased	16.553	16.49	-0.0633
481	10	Biased	17.197	17.073	-0.1238
482	10	Biased	16.767	16.977	0.2101
483	10	Biased	17.24	17.223	-0.0166
484	10	Biased	16.921	16.907	-0.0142
485	10	Biased	17.098	17.083	-0.0141
487	10	Unbiased	16.078	16.138	0.0597
488	10	Unbiased	16.129	15.944	-0.1854
489	10	Unbiased	16.655	16.747	0.0913
490	10	Unbiased	16.386	16.467	0.081
491	10	Unbiased	17.126	17.131	0.0049
492	3	Biased	17.151	17.172	0.0211
493	3	Biased	17.002	17.042	0.0401
494	3	Biased	16.162	15.894	-0.2679
495	3	Biased	16.812	16.861	0.0487
496	3	Biased	16.505	16.342	-0.163
497	3	Unbiased	16.719	16.684	-0.0351
498	3	Unbiased	16.202	16	-0.2019
499	3	Unbiased	17.372	17.185	-0.1871
500	3	Unbiased	17.066	17.106	0.0409
502	3	Unbiased	16.311	16.307	-0.0046

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	16.125	16.559	17.282	0.63042	16.117	16.542	17.13	0.52575	-0.1522	-0.016967	0.1095	0.13107
3	16.162	16.73	17.372	0.42314	15.894	16.659	17.185	0.49141	-0.2679	-0.07088	0.0487	0.12075
10	16.078	16.76	17.24	0.43575	15.944	16.769	17.223	0.44254	-0.1854	0.00929	0.2101	0.11162
30	15.803	16.595	17.59	0.54621	16.057	16.596	17.395	0.44182	-0.2481	0.00172	0.5491	0.23388
50	16.121	16.799	17.304	0.36284	15.488	16.748	17.353	0.55493	-0.6326	-0.05062	0.3703	0.33525
100	16.081	16.63	17.247	0.41302	15.589	16.749	18.871	0.96377	-0.4919	0.11966	2.313	0.81814

Device Test: 20.113 HIGHSIDE_CURR_LIM2_19A(THRESHOLD|RISE/SW/14////@HIGHSIDE_CURR_LIM2_19A)





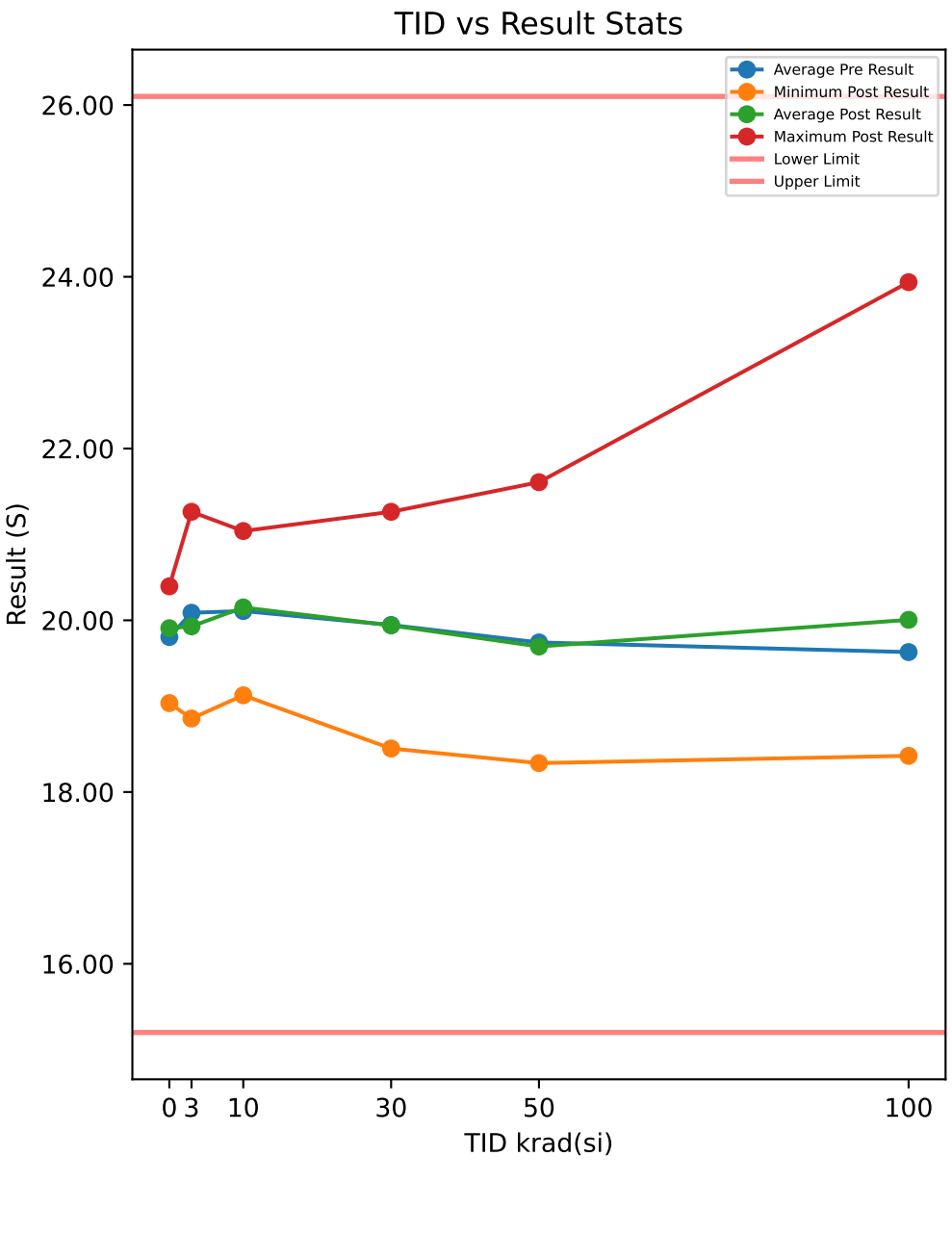
Test Results (No Limits Specified (A))

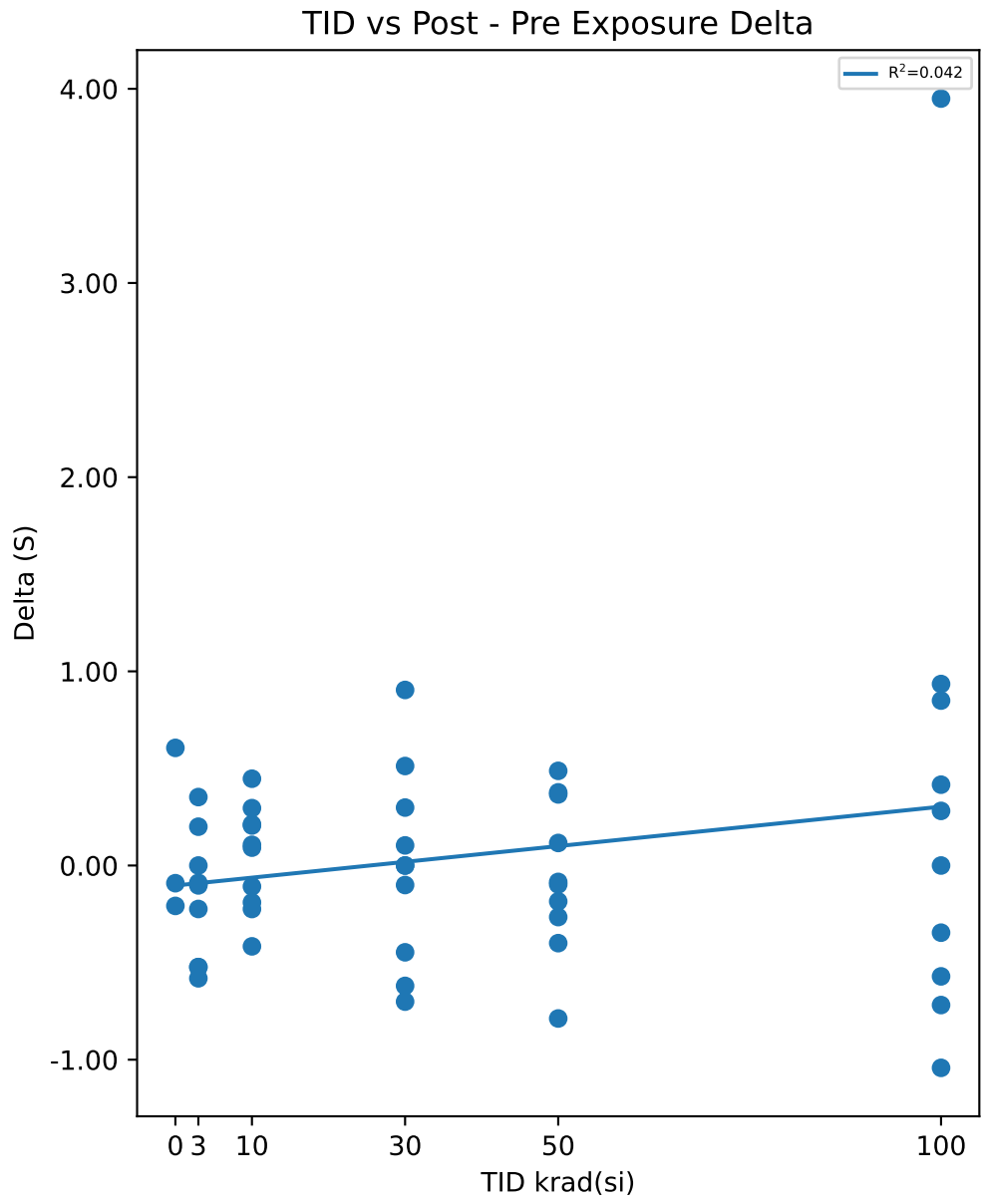
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
390	100	Biased	24.257	24.96	0.7033
392	100	Biased	23.91	23.758	-0.152
393	100	Biased	23.491	23.858	0.3669
394	100	Biased	22.476	22.229	-0.247
395	100	Biased	23.076	22.533	-0.5437
412	100	Unbiased	22.634	22.542	-0.0918
413	100	Unbiased	23.776	23.736	-0.04
414	100	Unbiased	22.774	22.744	-0.0294
415	100	Unbiased	23.216	27.991	4.7745
416	100	Unbiased	22.549	22.374	-0.1742
417	50	Biased	23.394	23.793	0.3996
418	50	Biased	23.386	23.788	0.4012
419	50	Biased	22.452	21.85	-0.6018
421	50	Biased	23.513	23.377	-0.1363
422	50	Biased	24.093	24.089	-0.0041
423	50	Unbiased	23.221	23.447	0.2259
424	50	Unbiased	22.912	22.597	-0.3156
425	50	Unbiased	24.244	23.659	-0.5847
426	50	Unbiased	23.541	23.609	0.0676
427	50	Unbiased	23.794	24.193	0.3994
463	0	Corr	22.576	22.64	0.0641
464	0	Corr	22.405	22.495	0.09
465	0	Corr	24.18	24.033	-0.1473
466	30	Biased	22.585	22.558	-0.0271
469	30	Biased	23.281	23.313	0.032
470	30	Biased	23.336	22.819	-0.5169
472	30	Biased	23.625	23.536	-0.0891
474	30	Biased	24.413	24.233	-0.1796
475	30	Unbiased	22.89	23.186	0.2962
477	30	Unbiased	21.974	22.703	0.7288
478	30	Unbiased	22.565	22.693	0.1279
479	30	Unbiased	24.022	23.891	-0.1309
480	30	Unbiased	23.109	23.058	-0.051
481	10	Biased	23.939	23.888	-0.0508
482	10	Biased	23.87	23.911	0.0408
483	10	Biased	23.911	23.834	-0.0778
484	10	Biased	23.493	23.54	0.0467
485	10	Biased	24.152	23.96	-0.1928
487	10	Unbiased	22.753	22.707	-0.0461
488	10	Unbiased	22.43	22.373	-0.0562
489	10	Unbiased	23.378	23.465	0.0876
490	10	Unbiased	22.98	22.978	-0.0023
491	10	Unbiased	23.978	23.965	-0.0126
492	3	Biased	24.189	24.075	-0.1139
493	3	Biased	23.891	23.901	0.0091
494	3	Biased	22.267	22.125	-0.142
495	3	Biased	23.551	23.578	0.0271
496	3	Biased	23.025	22.957	-0.0678
497	3	Unbiased	23.481	23.41	-0.0711
498	3	Unbiased	22.634	22.384	-0.2508
499	3	Unbiased	24.007	23.915	-0.0926
500	3	Unbiased	23.619	23.695	0.0754
502	3	Unbiased	22.801	22.879	0.0781

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	22.405	23.054	24.18	0.97943	22.495	23.056	24.033	0.84927	-0.1473	0.0022667	0.09	0.13017
3	22.267	23.347	24.189	0.63696	22.125	23.292	24.075	0.67488	-0.2508	-0.05485	0.0781	0.1037
10	22.43	23.488	24.152	0.59078	22.373	23.462	23.965	0.57912	-0.1928	-0.02635	0.0876	0.078761
30	21.974	23.18	24.413	0.72552	22.558	23.199	24.233	0.55303	-0.5169	0.01903	0.7288	0.32668
50	22.452	23.455	24.244	0.52901	21.85	23.44	24.193	0.71127	-0.6018	-0.01488	0.4012	0.38813
100	22.476	23.216	24.257	0.62378	22.229	23.672	27.991	1.7499	-0.5437	0.45666	4.7745	1.5549

Device Test: 20.114 EA_COMP_ISWITCH_GM_19A_25C(GMPS|STATIC/SW/14////@EA_COMP_ISWITCH_GM_19A_25C)





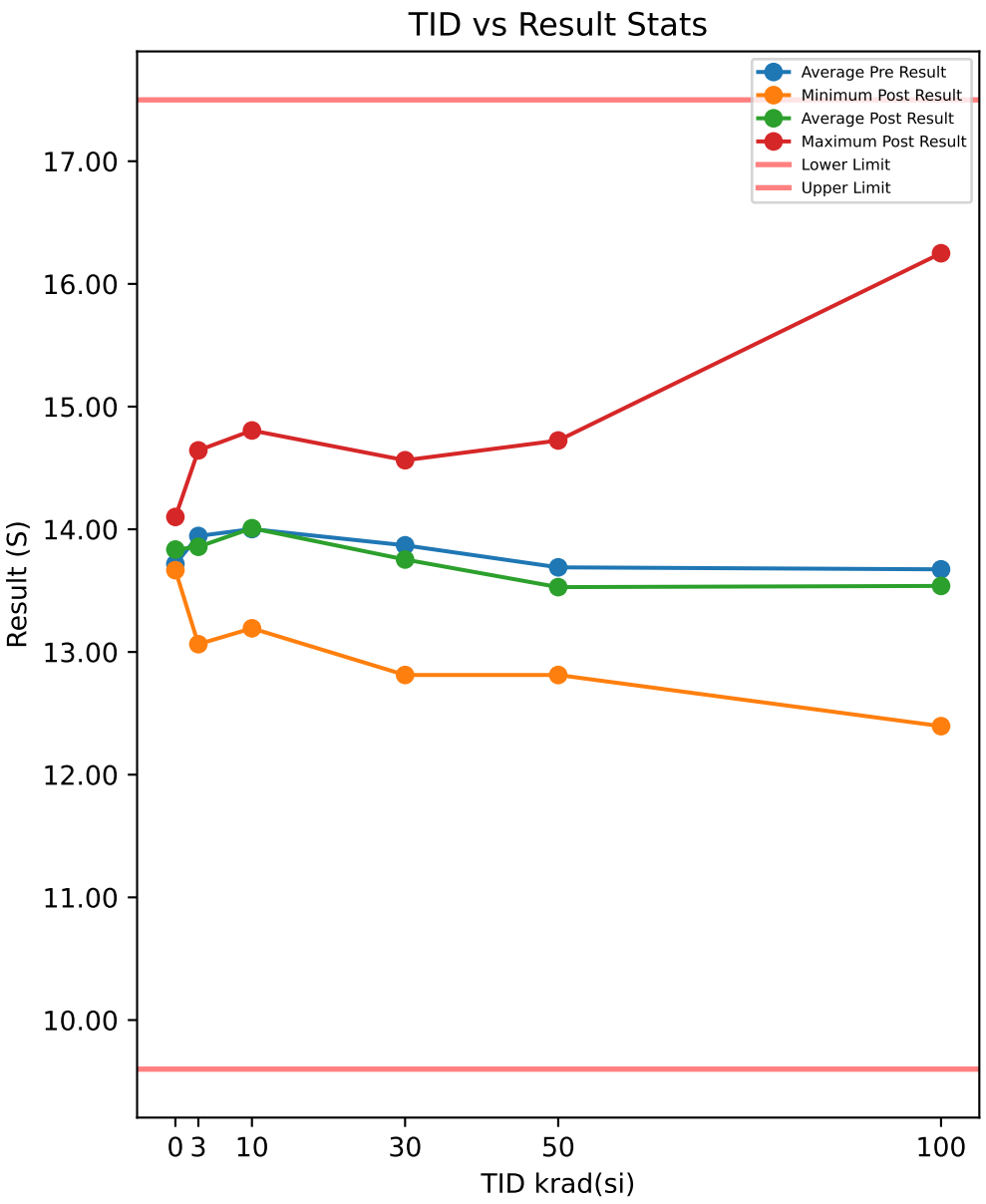
Test Results (Lower Limit = 15.2, Upper Limit = 26.1 (S))

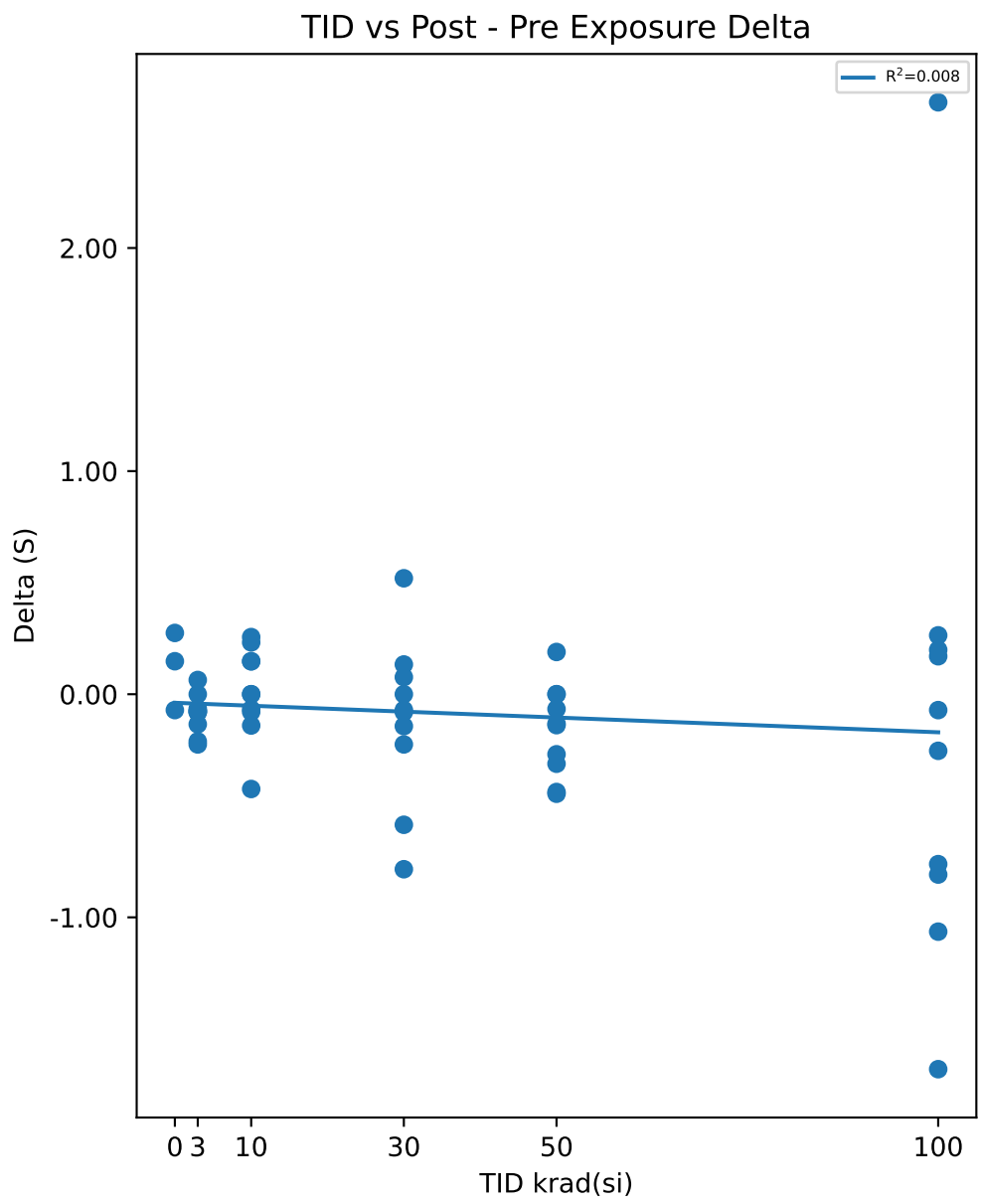
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
390	100	Biased	19.219	19.5	0.2813
392	100	Biased	19.988	18.945	-1.042
393	100	Biased	19.312	18.593	-0.7186
394	100	Biased	20.189	20.606	0.4163
395	100	Biased	19.79	19.219	-0.5709
412	100	Unbiased	18.768	18.422	-0.3459
413	100	Unbiased	19.888	19.888	0
414	100	Unbiased	21.151	22.086	0.9347
415	100	Unbiased	19.988	23.937	3.9497
416	100	Unbiased	18.007	18.856	0.8494
417	50	Biased	19.5	19.988	0.4875
418	50	Biased	18.945	18.68	-0.2655
419	50	Biased	21.608	20.82	-0.7878
421	50	Biased	19.312	19.127	-0.1848
422	50	Biased	21.492	21.608	0.1161
423	50	Unbiased	19.219	19.596	0.3767
424	50	Unbiased	18.422	18.337	-0.0845
425	50	Unbiased	20.189	19.79	-0.3998
426	50	Unbiased	18.945	19.312	0.3661
427	50	Unbiased	19.79	19.692	-0.0975
463	0	Corr	19.127	19.036	-0.0911
464	0	Corr	19.79	20.395	0.6058
465	0	Corr	20.5	20.292	-0.208
466	30	Biased	19.888	19.888	0.0001
469	30	Biased	19.127	18.68	-0.447
470	30	Biased	19.127	18.507	-0.6199
472	30	Biased	21.964	21.263	-0.701
474	30	Biased	20.292	20.395	0.1036
475	30	Unbiased	19.988	20.5	0.5124
477	30	Unbiased	19.79	20.088	0.2984
478	30	Unbiased	19.596	20.5	0.9042
479	30	Unbiased	20.088	19.988	-0.1005
480	30	Unbiased	19.596	19.596	0
481	10	Biased	21.263	21.039	-0.224
482	10	Biased	20.606	20.712	0.1067
483	10	Biased	19.596	19.405	-0.1901
484	10	Biased	20.5	20.712	0.2124
485	10	Biased	19.692	19.988	0.2955
487	10	Unbiased	20.189	20.395	0.206
488	10	Unbiased	18.68	19.127	0.447
489	10	Unbiased	20.82	20.712	-0.1079
490	10	Unbiased	19.127	19.219	0.092
491	10	Unbiased	20.606	20.189	-0.4163
492	3	Biased	18.945	18.856	-0.0893
493	3	Biased	18.593	18.945	0.3525
494	3	Biased	20.292	20.189	-0.1024
495	3	Biased	19.888	20.088	0.1999
496	3	Biased	20.712	20.189	-0.523
497	3	Unbiased	19.5	19.405	-0.0946
498	3	Unbiased	21.263	21.04	-0.2238
499	3	Unbiased	21.844	21.263	-0.5809
500	3	Unbiased	20.712	20.189	-0.5231
502	3	Unbiased	19.127	19.127	0

Test Statistics (S)

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	19.127	19.805	20.5	0.68669	19.036	19.908	20.395	0.75692	-0.208	0.10223	0.6058	0.44
3	18.593	20.088	21.844	1.0613	18.856	19.929	21.263	0.83521	-0.5809	-0.15847	0.3525	0.31184
10	18.68	20.108	21.263	0.81214	19.127	20.15	21.039	0.69094	-0.4163	0.04213	0.447	0.26834
30	19.127	19.945	21.964	0.80488	18.507	19.94	21.263	0.84149	-0.701	-0.00497	0.9042	0.50169
50	18.422	19.742	21.608	1.0686	18.337	19.695	21.608	0.96463	-0.7878	-0.04735	0.4875	0.39531
100	18.007	19.63	21.151	0.85783	18.422	20.005	23.937	1.7633	-1.042	0.3754	3.9497	1.4176

Device Test: 20.115 EA_COMP_ISWITCH_GM_13A_25C(GMPS|STATIC/SW/14////@EA_COMP_ISWITCH_GM_13A_25C)





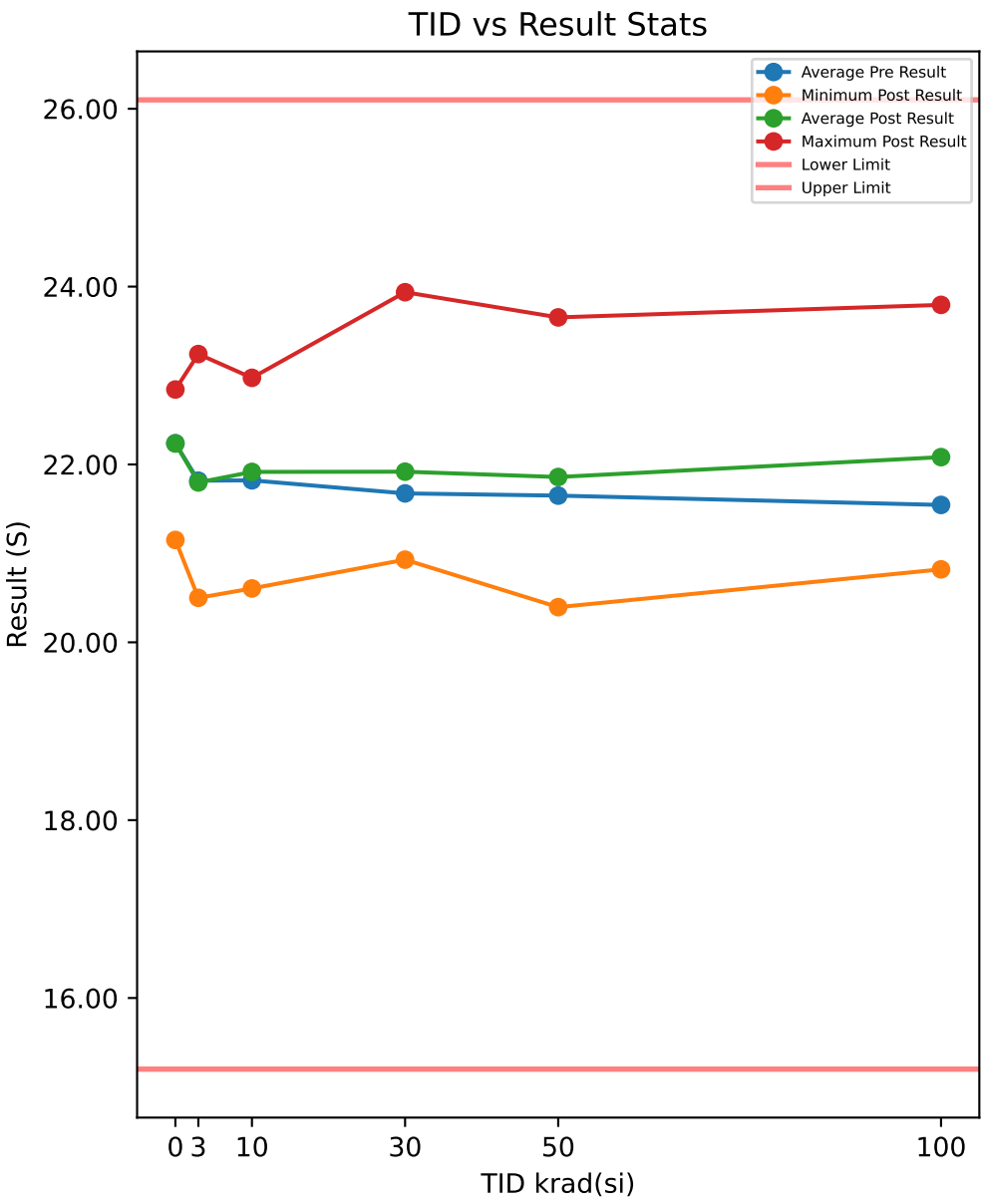
Test Results (Lower Limit = 9.6, Upper Limit = 17.5 (S))

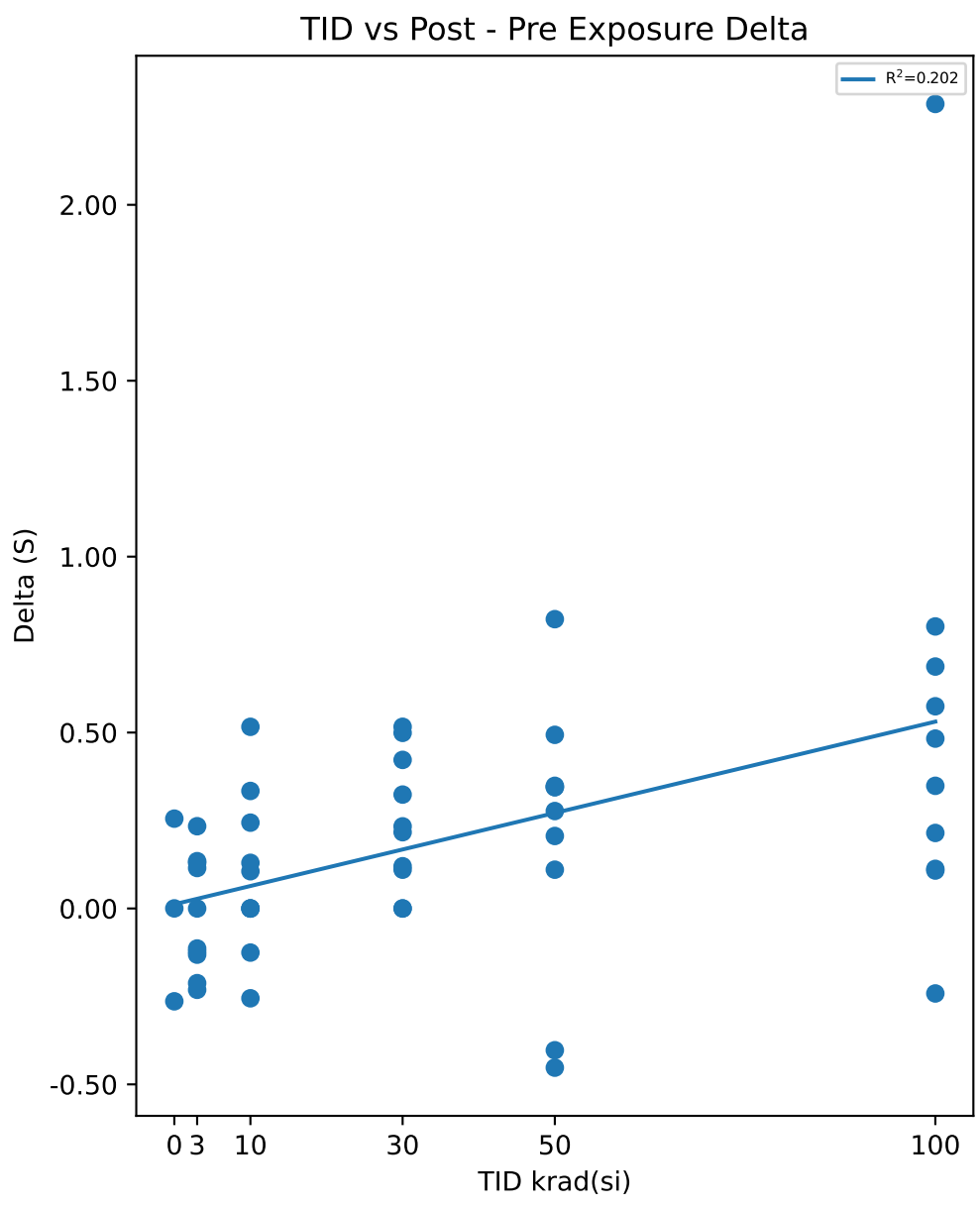
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
390	100	Biased	13.193	13.392	0.1989
392	100	Biased	13.392	12.63	-0.7616
393	100	Biased	13.46	12.395	-1.0642
394	100	Biased	14.251	12.571	-1.6806
395	100	Biased	13.808	13	-0.8082
412	100	Unbiased	13.128	12.874	-0.2537
413	100	Unbiased	13.808	13.737	-0.0712
414	100	Unbiased	14.972	15.142	0.1701
415	100	Unbiased	13.597	16.25	2.653
416	100	Unbiased	13.128	13.392	0.2638
417	50	Biased	13.46	13.46	0.0001
418	50	Biased	13.259	12.812	-0.4461
419	50	Biased	14.563	14.251	-0.3116
421	50	Biased	13.528	13.259	-0.2692
422	50	Biased	14.724	14.724	0
423	50	Unbiased	13.325	13.193	-0.132
424	50	Unbiased	12.874	13.064	0.1893
425	50	Unbiased	14.175	13.737	-0.4383
426	50	Unbiased	13.325	13.259	-0.0663
427	50	Unbiased	13.667	13.528	-0.1386
463	0	Corr	13.392	13.667	0.2746
464	0	Corr	13.953	14.101	0.1478
465	0	Corr	13.808	13.737	-0.0711
466	30	Biased	13.88	13.737	-0.1431
469	30	Biased	13.46	12.874	-0.5852
470	30	Biased	13.597	12.812	-0.7844
472	30	Biased	14.643	14.563	-0.0801
474	30	Biased	14.251	14.026	-0.225
475	30	Unbiased	14.251	14.328	0.0765
477	30	Unbiased	13.737	13.667	-0.0705
478	30	Unbiased	13.808	14.328	0.5197
479	30	Unbiased	13.808	13.808	0
480	30	Unbiased	13.259	13.392	0.1333
481	10	Biased	14.405	14.405	0
482	10	Biased	14.563	14.484	-0.0792
483	10	Biased	13.737	13.597	-0.1402
484	10	Biased	14.251	14.484	0.2322
485	10	Biased	13.953	13.528	-0.4248
487	10	Unbiased	13.953	14.101	0.1477
488	10	Unbiased	12.937	13.193	0.2561
489	10	Unbiased	14.806	14.806	0
490	10	Unbiased	13.46	13.392	-0.0676
491	10	Unbiased	13.953	14.101	0.1476
492	3	Biased	13.193	13.128	-0.0649
493	3	Biased	13	13.064	0.0638
494	3	Biased	14.251	14.026	-0.225
495	3	Biased	14.026	14.026	0
496	3	Biased	14.176	14.101	-0.0751
497	3	Unbiased	13.46	13.325	-0.1346
498	3	Unbiased	14.724	14.643	-0.0808
499	3	Unbiased	14.643	14.563	-0.0801
500	3	Unbiased	14.176	14.101	-0.0751
502	3	Unbiased	13.808	13.597	-0.2113

Test Statistics (S)

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	13.392	13.718	13.953	0.29116	13.667	13.835	14.101	0.2329	-0.0711	0.1171	0.2746	0.17488
3	13	13.946	14.724	0.57862	13.064	13.857	14.643	0.55807	-0.225	-0.08831	0.0638	0.086865
10	12.937	14.002	14.806	0.54683	13.193	14.009	14.806	0.54839	-0.4248	0.00718	0.2561	0.20373
30	13.259	13.869	14.643	0.41235	12.812	13.754	14.563	0.59528	-0.7844	-0.11588	0.5197	0.3651
50	12.874	13.69	14.724	0.6022	12.812	13.529	14.724	0.576	-0.4461	-0.16127	0.1893	0.20479
100	13.128	13.674	14.972	0.57857	12.395	13.538	16.25	1.2385	-1.6806	-0.13537	2.653	1.1668

Device Test: 20.12 EA_COMP_ISWITCH_GM_19A_25C(GMPS|STATIC/SW/4.5////@EA_COMP_ISWITCH_GM_19A_25C)





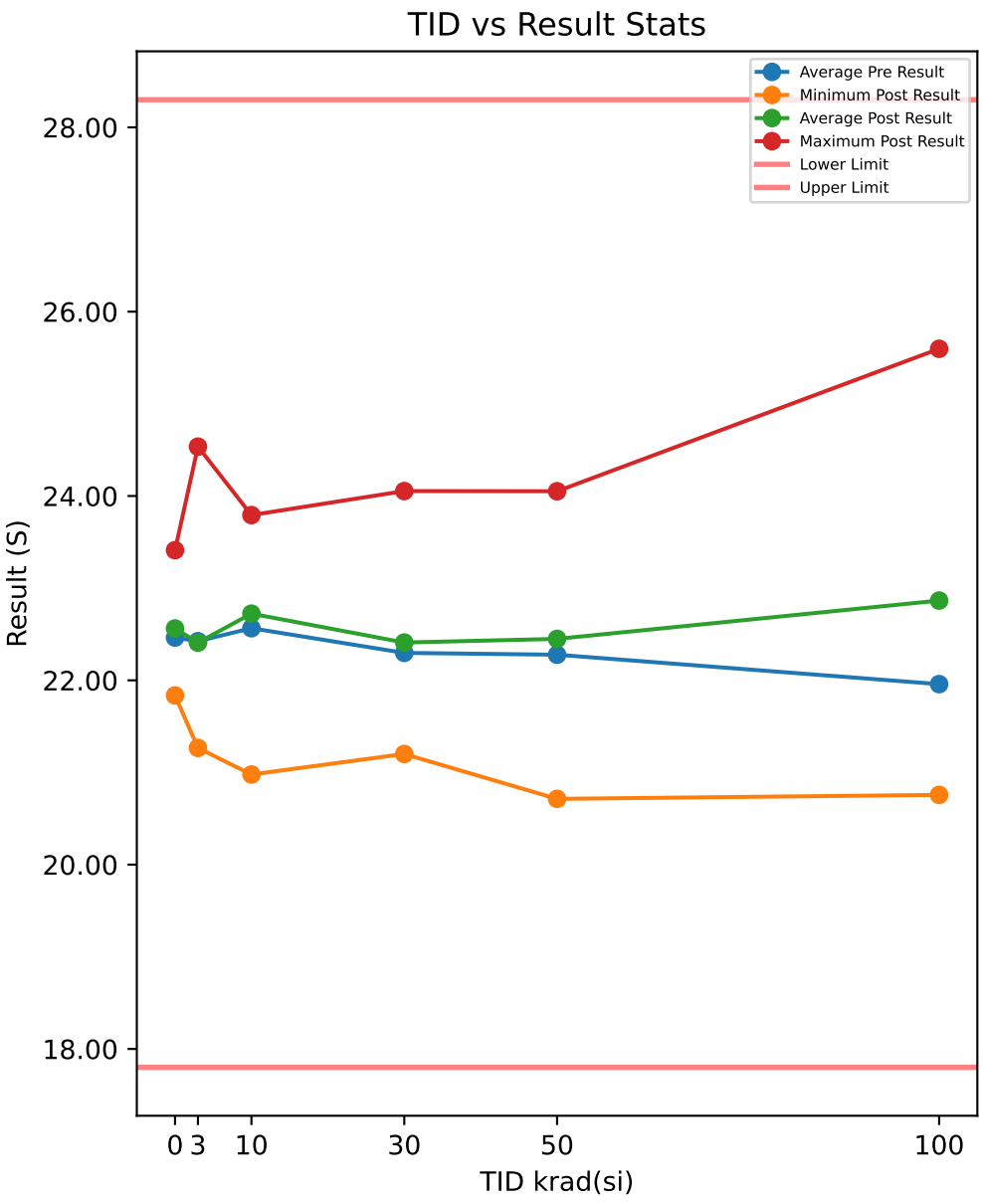
Test Results (Lower Limit = 15.2, Upper Limit = 26.1 (S))

Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
390	100	Biased	21.725	22.208	0.4828
392	100	Biased	22.086	21.844	-0.2416
393	100	Biased	21.151	21.263	0.1126
394	100	Biased	22.713	23.515	0.8016
395	100	Biased	21.377	21.726	0.3486
412	100	Unbiased	20.606	20.82	0.2146
413	100	Unbiased	21.151	21.725	0.5747
414	100	Unbiased	23.107	23.795	0.6876
415	100	Unbiased	20.82	23.107	2.2867
416	100	Unbiased	20.712	20.82	0.1078
417	50	Biased	21.964	22.458	0.4935
418	50	Biased	21.263	21.608	0.3448
419	50	Biased	23.377	23.654	0.2769
421	50	Biased	20.929	21.04	0.1102
422	50	Biased	23.377	22.974	-0.403
423	50	Unbiased	21.377	21.726	0.3486
424	50	Unbiased	20.189	20.395	0.206
425	50	Unbiased	21.263	22.086	0.8223
426	50	Unbiased	21.263	21.608	0.3448
427	50	Unbiased	21.492	21.04	-0.4525
463	0	Corr	21.151	21.151	0.0002
464	0	Corr	22.458	22.713	0.2553
465	0	Corr	23.107	22.843	-0.2639
466	30	Biased	21.492	21.725	0.2334
469	30	Biased	20.606	20.929	0.3237
470	30	Biased	20.712	20.929	0.2168
472	30	Biased	23.515	23.937	0.4223
474	30	Biased	22.458	22.974	0.5164
475	30	Unbiased	21.726	21.726	0
477	30	Unbiased	21.377	21.377	0
478	30	Unbiased	21.844	21.964	0.12
479	30	Unbiased	22.086	22.585	0.4991
480	30	Unbiased	20.929	21.04	0.1102
481	10	Biased	22.713	22.843	0.1297
482	10	Biased	21.964	22.208	0.2439
483	10	Biased	21.608	21.608	-0.0001
484	10	Biased	22.458	22.332	-0.1254
485	10	Biased	20.929	21.263	0.334
487	10	Unbiased	22.458	22.974	0.5163
488	10	Unbiased	20.5	20.606	0.1058
489	10	Unbiased	22.713	22.458	-0.2553
490	10	Unbiased	21.377	21.377	0
491	10	Unbiased	21.492	21.492	0
492	3	Biased	20.606	20.606	0
493	3	Biased	20.712	20.5	-0.2123
494	3	Biased	21.377	21.492	0.115
495	3	Biased	22.713	22.843	0.1299
496	3	Biased	22.208	22.086	-0.1228
497	3	Unbiased	21.608	21.377	-0.2312
498	3	Unbiased	22.974	22.843	-0.1313
499	3	Unbiased	23.107	23.241	0.1344
500	3	Unbiased	21.492	21.726	0.2338
502	3	Unbiased	21.377	21.263	-0.1138

Test Statistics (S)

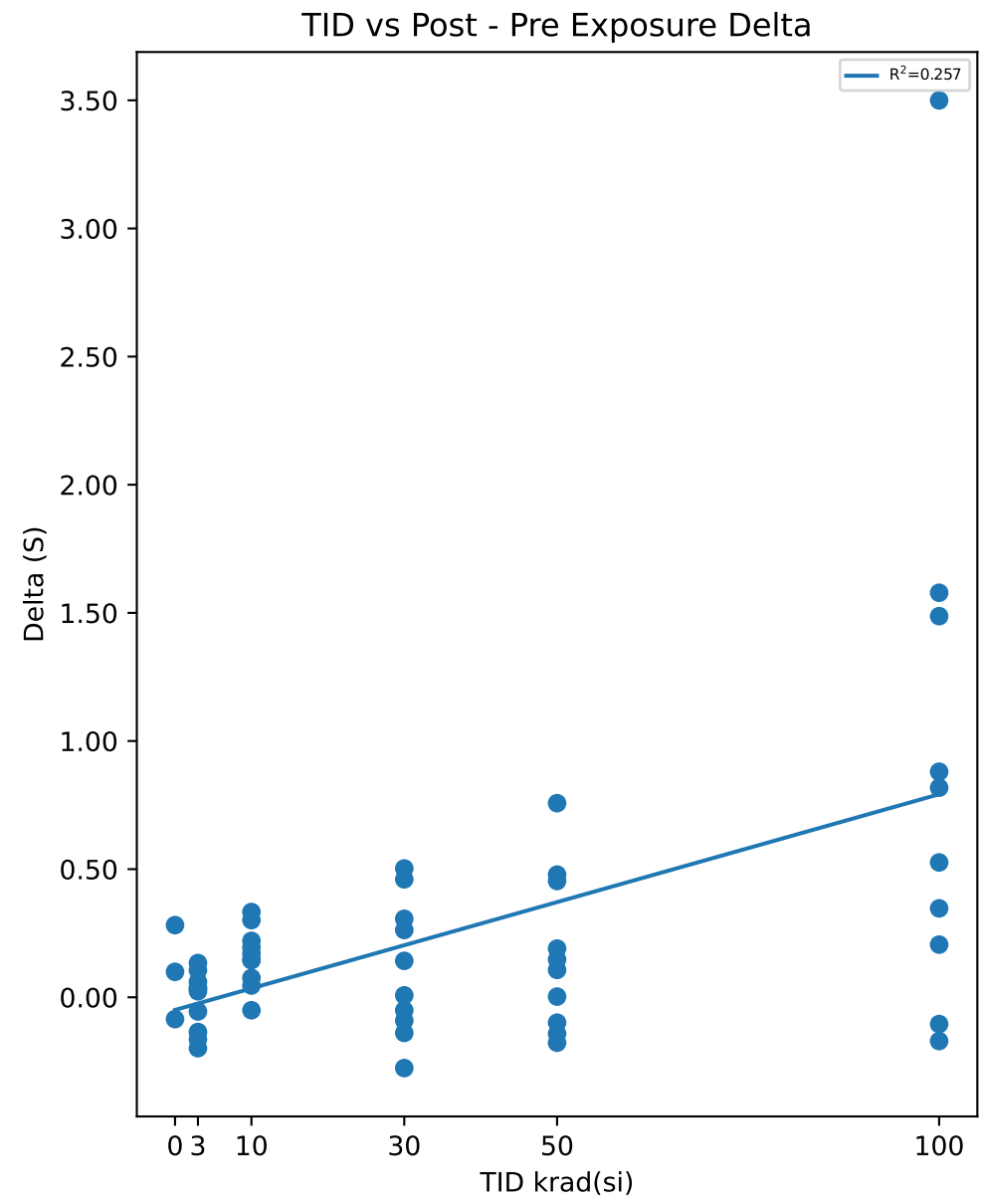
krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	21.151	22.238	23.107	0.99634	21.151	22.236	22.843	0.94167	-0.2639	-0.0028	0.2553	0.25961
3	20.606	21.817	23.107	0.89338	20.5	21.798	23.241	0.94386	-0.2312	-0.01983	0.2338	0.16421
10	20.5	21.821	22.713	0.76846	20.606	21.916	22.974	0.76299	-0.2553	0.09489	0.5163	0.22521
30	20.606	21.674	23.515	0.87846	20.929	21.919	23.937	0.985	0	0.24419	0.5164	0.19167
50	20.189	21.65	23.377	1.0146	20.395	21.859	23.654	0.97207	-0.4525	0.20916	0.8223	0.38585
100	20.606	21.545	23.107	0.85435	20.82	22.082	23.795	1.0655	-0.2416	0.53754	2.2867	0.68868

evice Test: 20.120 EA_COMP_ISWITCH_GM_0P5V_19A(GMPS|STATIC/SW/14////@EA_COMP_ISWITCH_GM_0P5V_19A



Test Results (Lower Limit = 17.8, Upper Limit = 28.3 (S))

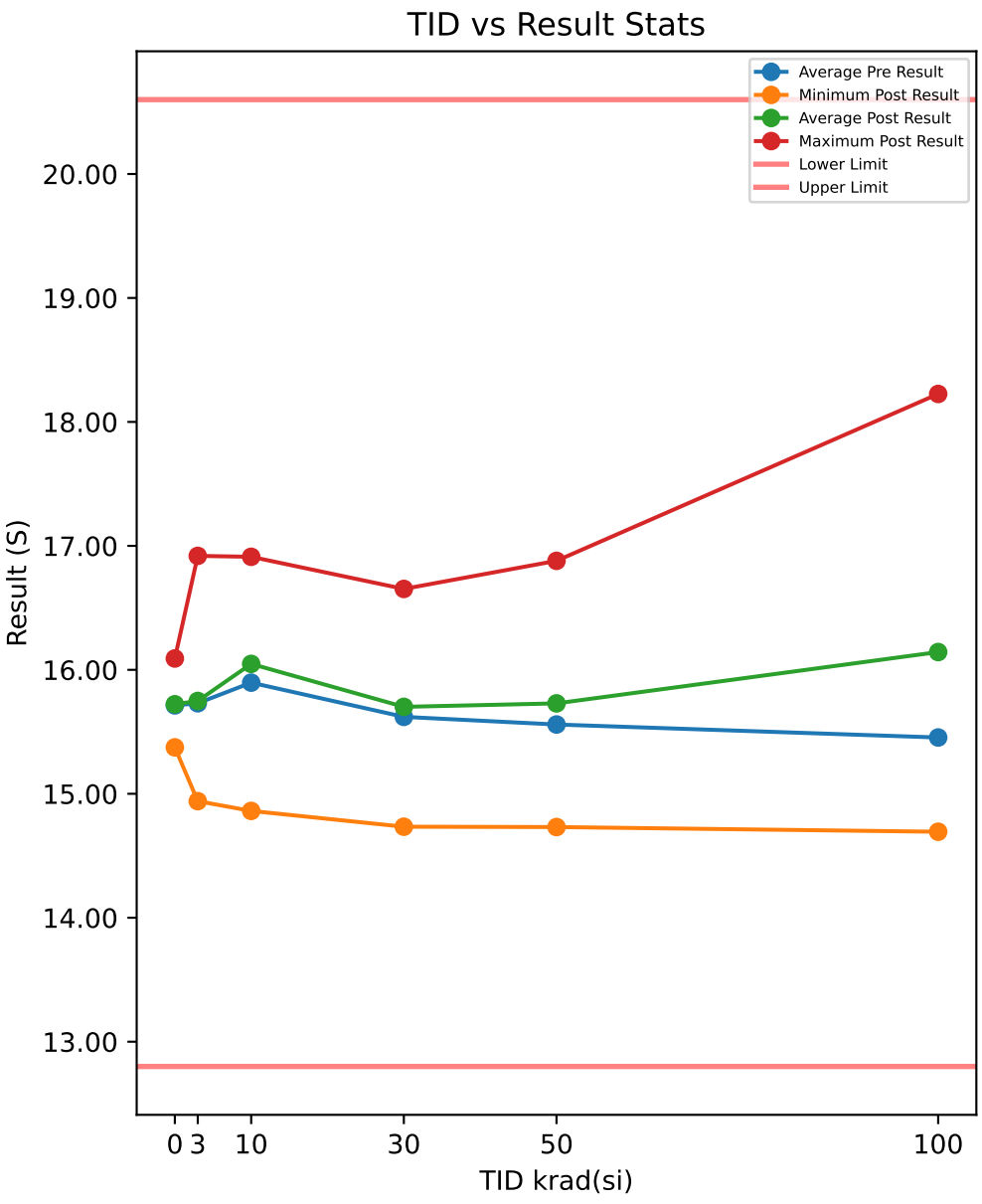
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
390	100	Biased	21.14	22.718	1.5785
392	100	Biased	21.977	21.872	-0.1044
393	100	Biased	21.574	22.454	0.8801
394	100	Biased	22.583	22.788	0.2055
395	100	Biased	22.409	22.238	-0.1709
412	100	Unbiased	20.41	20.757	0.347
413	100	Unbiased	22.426	22.952	0.5261
414	100	Unbiased	24.022	25.51	1.4872
415	100	Unbiased	22.098	25.597	3.4997
416	100	Unbiased	20.946	21.764	0.8179
417	50	Biased	22.704	23.183	0.4787
418	50	Biased	21.235	21.425	0.19
419	50	Biased	23.904	24.051	0.1475
421	50	Biased	21.605	22.059	0.4538
422	50	Biased	23.91	24.017	0.1068
423	50	Unbiased	21.673	22.431	0.7574
424	50	Unbiased	20.813	20.714	-0.0991
425	50	Unbiased	23.002	22.825	-0.1772
426	50	Unbiased	21.456	21.459	0.0027
427	50	Unbiased	22.473	22.331	-0.142
463	0	Corr	21.554	21.835	0.2816
464	0	Corr	22.34	22.439	0.0993
465	0	Corr	23.497	23.412	-0.0851
466	30	Biased	22.056	22.319	0.2626
469	30	Biased	21.621	21.57	-0.0507
470	30	Biased	21.058	21.201	0.1422
472	30	Biased	24.33	24.053	-0.2762
474	30	Biased	22.385	22.294	-0.091
475	30	Unbiased	22.693	22.554	-0.1391
477	30	Unbiased	22.268	22.276	0.0076
478	30	Unbiased	22.383	22.885	0.5027
479	30	Unbiased	22.428	22.734	0.3062
480	30	Unbiased	21.752	22.212	0.4603
481	10	Biased	23.843	23.793	-0.0506
482	10	Biased	23.581	23.728	0.1467
483	10	Biased	22.074	22.12	0.0459
484	10	Biased	23.351	23.652	0.3011
485	10	Biased	22.777	22.853	0.0755
487	10	Unbiased	22.682	22.852	0.1698
488	10	Unbiased	20.784	20.978	0.1942
489	10	Unbiased	23.447	23.78	0.3327
490	10	Unbiased	21.073	21.293	0.2202
491	10	Unbiased	22.04	22.185	0.1445
492	3	Biased	21.229	21.266	0.0378
493	3	Biased	21.622	21.728	0.1054
494	3	Biased	22.277	22.222	-0.0554
495	3	Biased	22.615	22.648	0.0326
496	3	Biased	22.188	21.989	-0.1986
497	3	Unbiased	22.228	22.289	0.0607
498	3	Unbiased	23.756	23.62	-0.1355
499	3	Unbiased	24.7	24.535	-0.1641
500	3	Unbiased	22.017	22.041	0.0233
502	3	Unbiased	21.609	21.743	0.1336



Test Statistics (S)

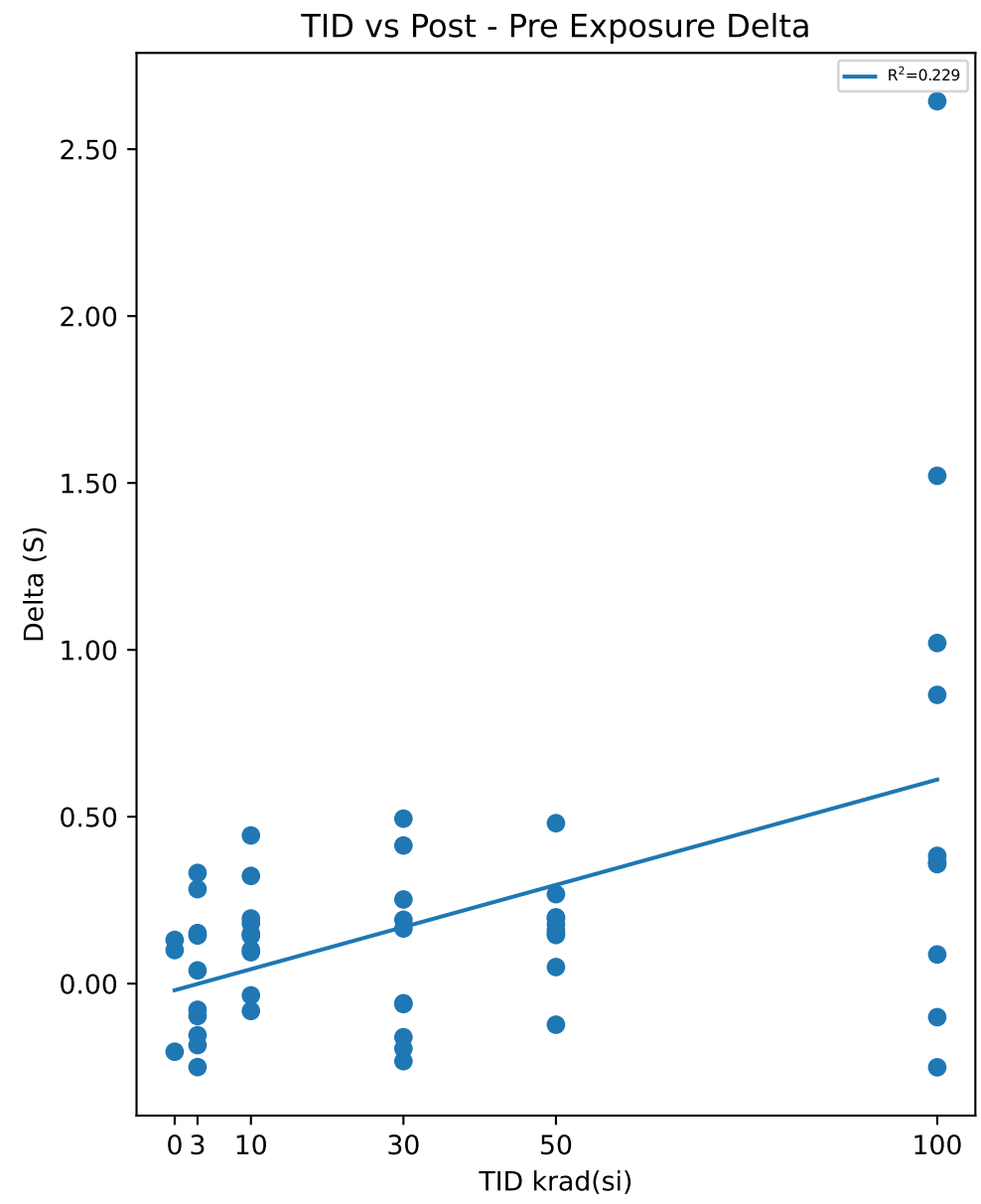
krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	21.554	22.464	23.497	0.97742	21.835	22.562	23.412	0.79534	-0.0851	0.0986	0.2816	0.18335
3	21.229	22.424	24.7	1.0544	21.266	22.408	24.535	0.97874	-0.1986	-0.01602	0.1336	0.11591
10	20.784	22.565	23.843	1.056	20.978	22.723	23.793	1.0493	-0.0506	0.158	0.3327	0.11524
30	21.058	22.297	24.33	0.86067	21.201	22.41	24.053	0.76727	-0.2762	0.11246	0.5027	0.26407
50	20.813	22.278	23.91	1.0944	20.714	22.449	24.051	1.1011	-0.1772	0.17186	0.7574	0.30624
100	20.41	21.958	24.022	1.0183	20.757	22.865	25.597	1.5527	-0.1709	0.90667	3.4997	1.088

evice Test: 20.121 EA_COMP_ISWITCH_GM_0P5V_13A(GMPS|STATIC/SW/14////@EA_COMP_ISWITCH_GM_0P5V_13A



Test Results (Lower Limit = 12.8, Upper Limit = 20.6 (S))

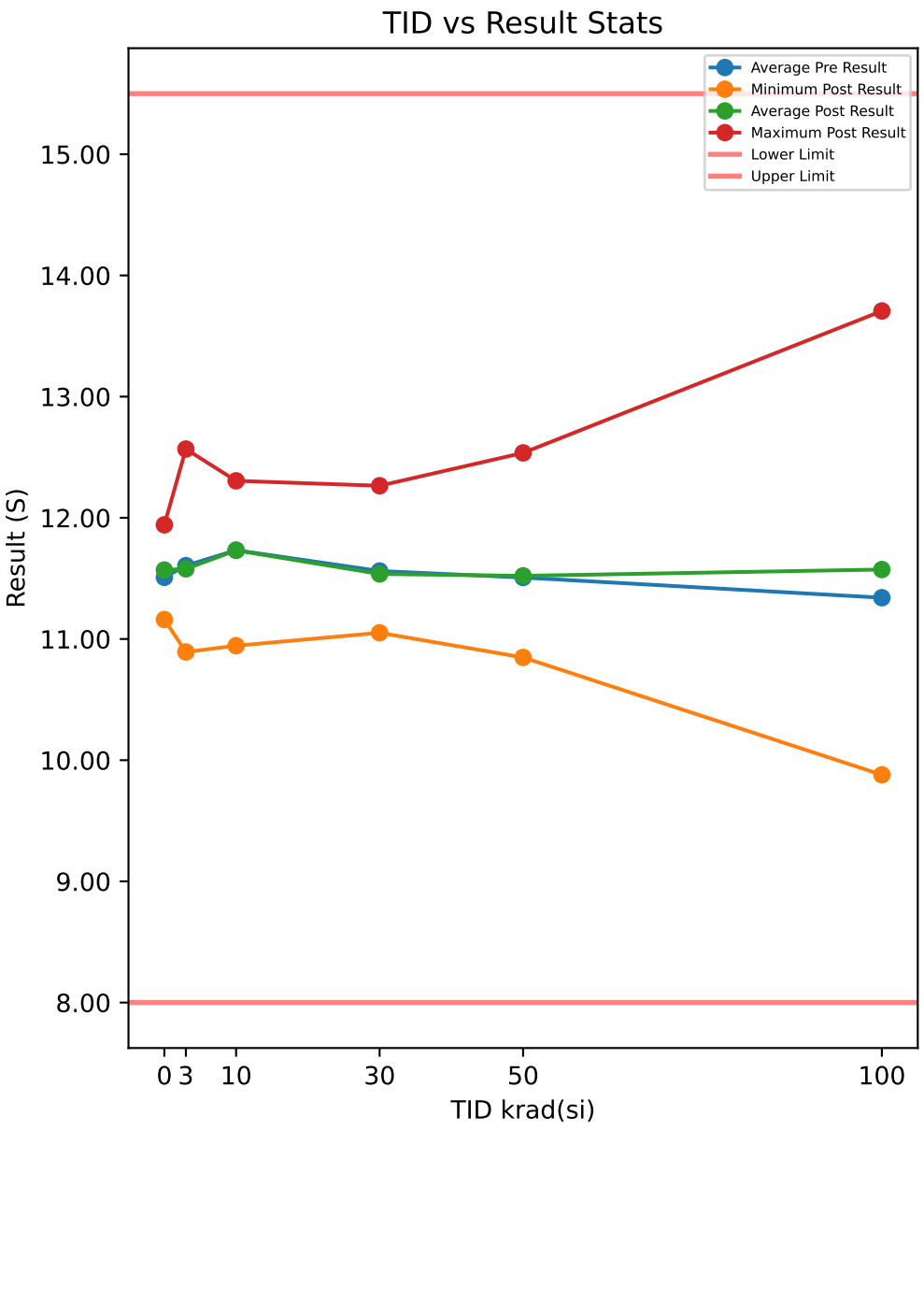
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
390	100	Biased	14.568	16.089	1.5215
392	100	Biased	15.217	15.117	-0.1005
393	100	Biased	15.387	15.77	0.3828
394	100	Biased	15.736	15.485	-0.2507
395	100	Biased	15.981	16.068	0.0873
412	100	Unbiased	14.329	14.694	0.3646
413	100	Unbiased	15.87	16.228	0.358
414	100	Unbiased	17.205	18.226	1.0205
415	100	Unbiased	15.368	18.012	2.6437
416	100	Unbiased	14.881	15.746	0.8651
417	50	Biased	15.991	16.189	0.1987
418	50	Biased	14.87	15.138	0.2681
419	50	Biased	16.684	16.879	0.1955
421	50	Biased	15.043	15.203	0.1603
422	50	Biased	16.632	16.509	-0.1231
423	50	Unbiased	14.853	15.333	0.4807
424	50	Unbiased	14.555	14.732	0.1769
425	50	Unbiased	16.033	16.179	0.1457
426	50	Unbiased	15.107	15.157	0.0497
427	50	Unbiased	15.822	15.973	0.1512
463	0	Corr	15.244	15.374	0.1309
464	0	Corr	15.6	15.701	0.1005
465	0	Corr	16.296	16.092	-0.204
466	30	Biased	15.484	15.736	0.2521
469	30	Biased	15.337	15.105	-0.2323
470	30	Biased	14.929	14.734	-0.1947
472	30	Biased	16.711	16.653	-0.0588
474	30	Biased	15.638	15.478	-0.1606
475	30	Unbiased	15.976	16.141	0.1652
477	30	Unbiased	15.732	15.671	-0.0613
478	30	Unbiased	15.899	16.09	0.1912
479	30	Unbiased	15.524	15.938	0.4138
480	30	Unbiased	14.974	15.468	0.4942
481	10	Biased	16.642	16.607	-0.0352
482	10	Biased	16.717	16.912	0.1952
483	10	Biased	15.599	15.749	0.1496
484	10	Biased	16.323	16.767	0.4439
485	10	Biased	16.193	16.111	-0.082
487	10	Unbiased	15.825	16.147	0.3226
488	10	Unbiased	14.719	14.862	0.1433
489	10	Unbiased	16.67	16.771	0.1011
490	10	Unbiased	14.786	14.966	0.1805
491	10	Unbiased	15.493	15.587	0.0941
492	3	Biased	15.095	14.941	-0.1546
493	3	Biased	14.948	15.099	0.1515
494	3	Biased	15.962	15.712	-0.2501
495	3	Biased	15.795	15.835	0.0395
496	3	Biased	15.245	15.577	0.3316
497	3	Unbiased	15.486	15.63	0.1442
498	3	Unbiased	16.841	16.744	-0.0971
499	3	Unbiased	17.103	16.919	-0.1842
500	3	Unbiased	15.273	15.556	0.2831
502	3	Unbiased	15.555	15.476	-0.0784

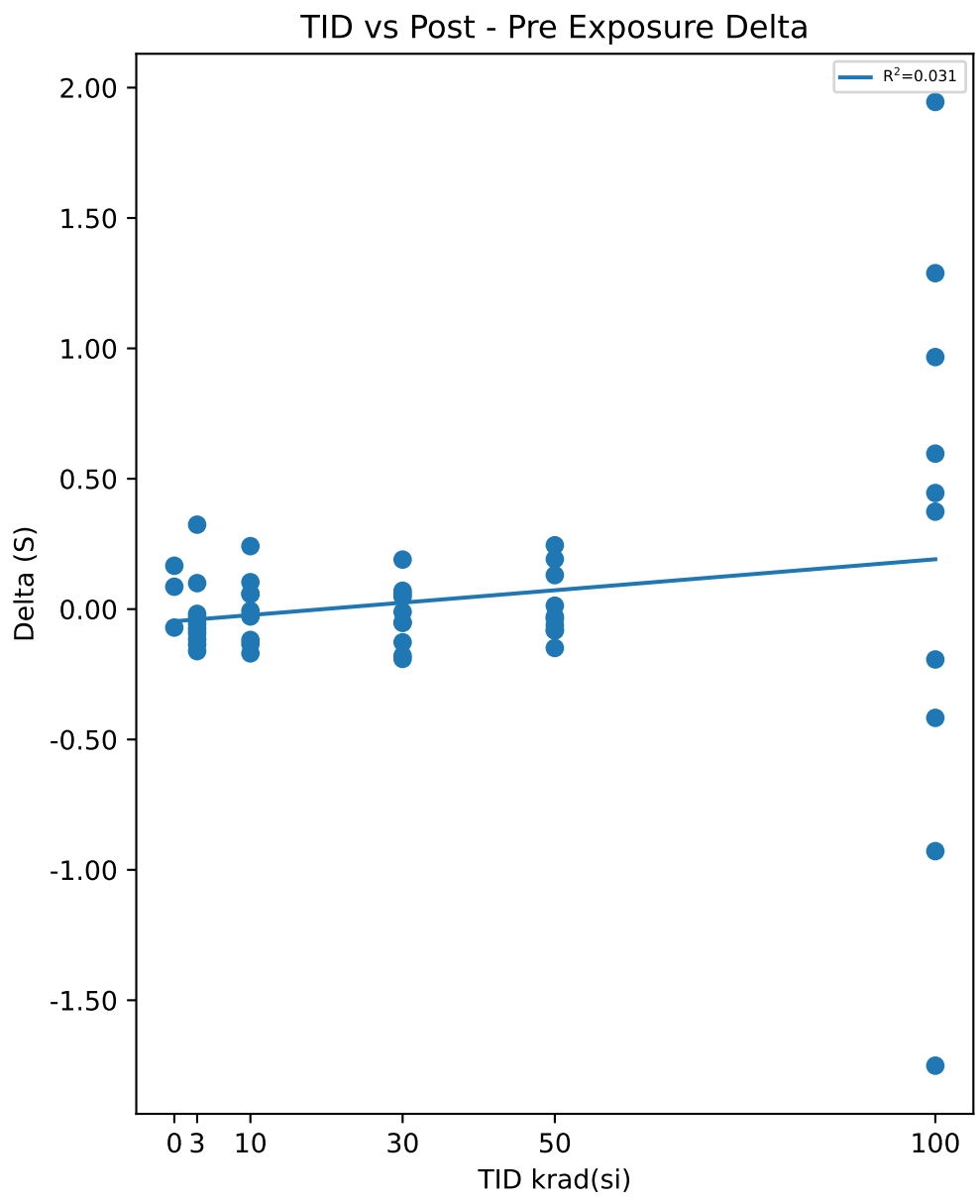


Test Statistics (S)

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	15.244	15.713	16.296	0.53502	15.374	15.722	16.092	0.35904	-0.204	0.0091333	0.1309	0.1852
3	14.948	15.73	17.103	0.72481	14.941	15.749	16.919	0.6324	-0.2501	0.01855	0.3316	0.20219
10	14.719	15.897	16.717	0.74348	14.862	16.048	16.912	0.74474	-0.082	0.15131	0.4439	0.15377
30	14.929	15.62	16.711	0.51761	14.734	15.701	16.653	0.548	-0.2323	0.08088	0.4942	0.2587
50	14.555	15.559	16.684	0.77088	14.732	15.729	16.879	0.70778	-0.1231	0.17037	0.4807	0.15242
100	14.329	15.454	17.205	0.81943	14.694	16.143	18.226	1.1416	-0.2507	0.68923	2.6437	0.87125

Device Test: 20.122 EA_COMP_ISWITCH_GM_9A(GMPS|STATIC/SW/14////@EA_COMP_ISWITCH_GM_9A)





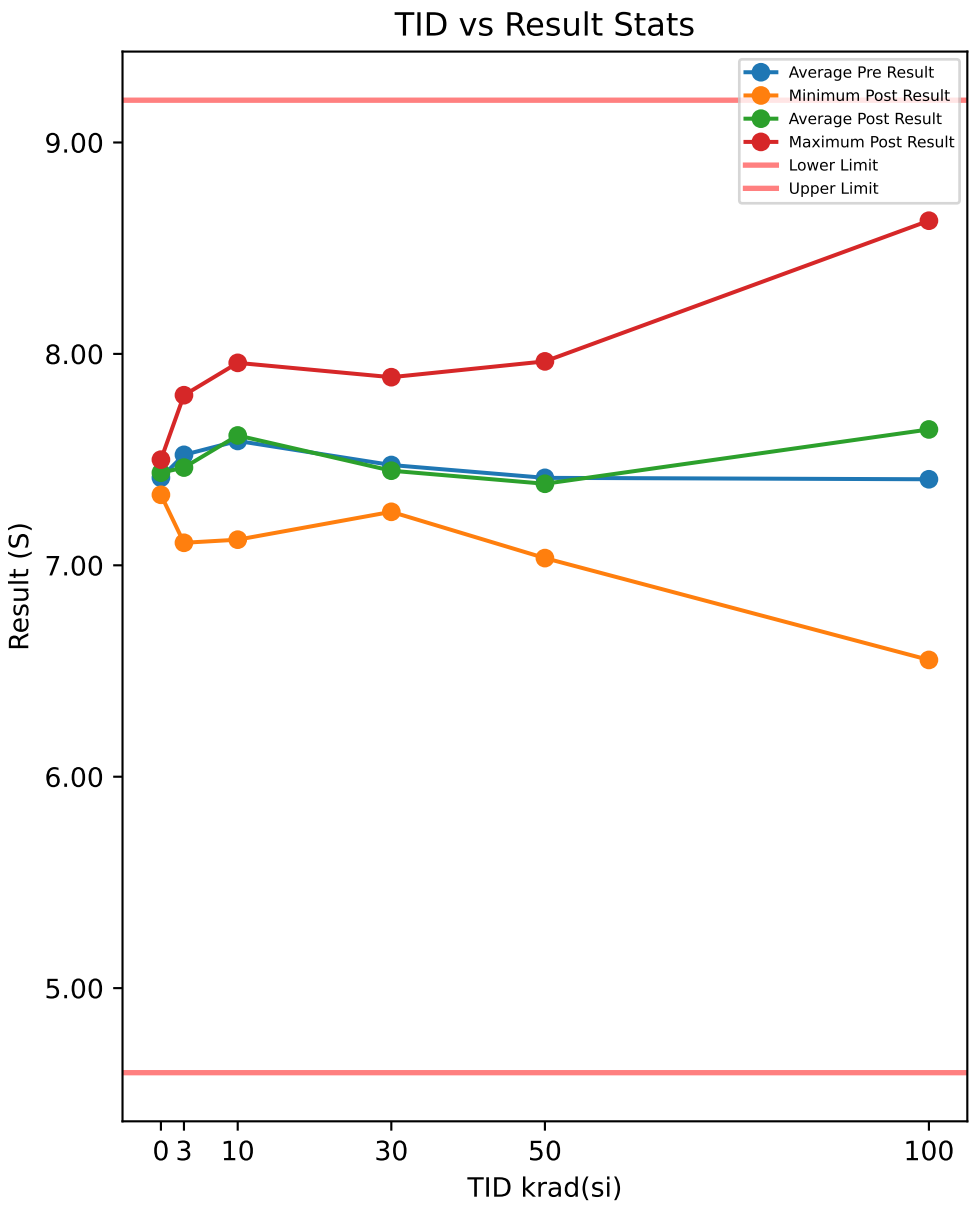
Test Results (Lower Limit = 8.0, Upper Limit = 15.5 (S))

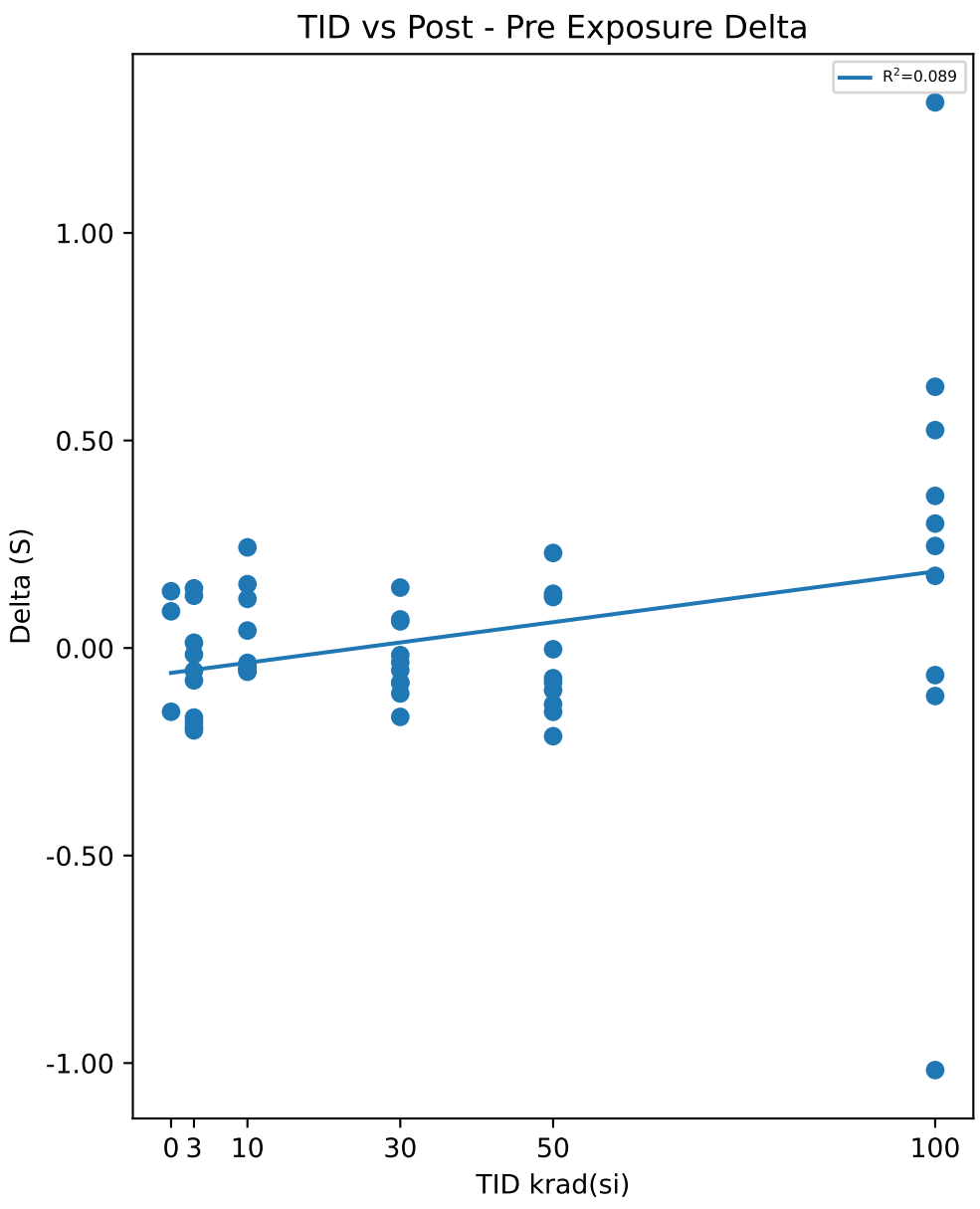
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
390	100	Biased	10.885	11.852	0.9666
392	100	Biased	11.154	10.225	-0.9283
393	100	Biased	11.495	11.302	-0.1931
394	100	Biased	11.63	9.8793	-1.7509
395	100	Biased	11.488	11.071	-0.4171
412	100	Unbiased	10.513	10.887	0.3738
413	100	Unbiased	11.506	12.102	0.5963
414	100	Unbiased	12.418	13.707	1.2884
415	100	Unbiased	11.434	13.379	1.945
416	100	Unbiased	10.883	11.329	0.4453
417	50	Biased	11.691	11.629	-0.0615
418	50	Biased	10.816	10.946	0.1304
419	50	Biased	12.617	12.536	-0.0818
421	50	Biased	10.948	10.919	-0.0288
422	50	Biased	12.323	12.242	-0.081
423	50	Unbiased	11.093	11.285	0.1916
424	50	Unbiased	10.603	10.848	0.2448
425	50	Unbiased	12.223	12.073	-0.1491
426	50	Unbiased	11.176	11.139	-0.0365
427	50	Unbiased	11.582	11.595	0.013
463	0	Corr	11.075	11.16	0.0859
464	0	Corr	11.438	11.605	0.1663
465	0	Corr	12.013	11.942	-0.0708
466	30	Biased	11.446	11.636	0.1899
469	30	Biased	11.4	11.209	-0.191
470	30	Biased	11.103	11.051	-0.0517
472	30	Biased	12.392	12.265	-0.1272
474	30	Biased	11.54	11.362	-0.1787
475	30	Unbiased	11.801	11.791	-0.0107
477	30	Unbiased	11.475	11.423	-0.0524
478	30	Unbiased	11.828	11.886	0.0586
479	30	Unbiased	11.432	11.502	0.0704
480	30	Unbiased	11.194	11.241	0.0475
481	10	Biased	12.244	12.11	-0.1339
482	10	Biased	12.279	12.251	-0.0282
483	10	Biased	11.643	11.702	0.0589
484	10	Biased	12.247	12.305	0.0579
485	10	Biased	11.695	11.525	-0.1697
487	10	Unbiased	11.795	11.788	-0.0065
488	10	Unbiased	10.826	11.067	0.2415
489	10	Unbiased	12.369	12.251	-0.1183
490	10	Unbiased	10.841	10.945	0.1033
491	10	Unbiased	11.391	11.367	-0.0243
492	3	Biased	11.029	10.893	-0.1357
493	3	Biased	11.32	11.246	-0.0748
494	3	Biased	11.641	11.607	-0.0339
495	3	Biased	11.822	11.765	-0.0565
496	3	Biased	11.458	11.297	-0.1611
497	3	Unbiased	11.417	11.302	-0.1152
498	3	Unbiased	12.304	12.286	-0.0183
499	3	Unbiased	12.659	12.568	-0.092
500	3	Unbiased	11.247	11.57	0.3239
502	3	Unbiased	11.156	11.256	0.0996

Test Statistics (S)

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	11.075	11.509	12.013	0.47318	11.16	11.569	11.942	0.39211	-0.0708	0.060467	0.1663	0.12058
3	11.029	11.605	12.659	0.52158	10.893	11.579	12.568	0.51147	-0.1611	-0.0264	0.3239	0.14308
10	10.826	11.733	12.369	0.57513	10.945	11.731	12.305	0.50023	-0.1697	-0.00193	0.2415	0.1238
30	11.103	11.561	12.392	0.36927	11.051	11.537	12.265	0.36534	-0.191	-0.02453	0.1899	0.12056
50	10.603	11.507	12.617	0.69431	10.848	11.521	12.536	0.59805	-0.1491	0.01411	0.2448	0.13049
100	10.513	11.341	12.418	0.52311	9.8793	11.573	13.707	1.2343	-1.7509	0.2326	1.945	1.0888

Device Test: 20.123 EA_COMP_ISWITCH_GM_6A(GMPS|STATIC/SW/14////@EA_COMP_ISWITCH_GM_6A)





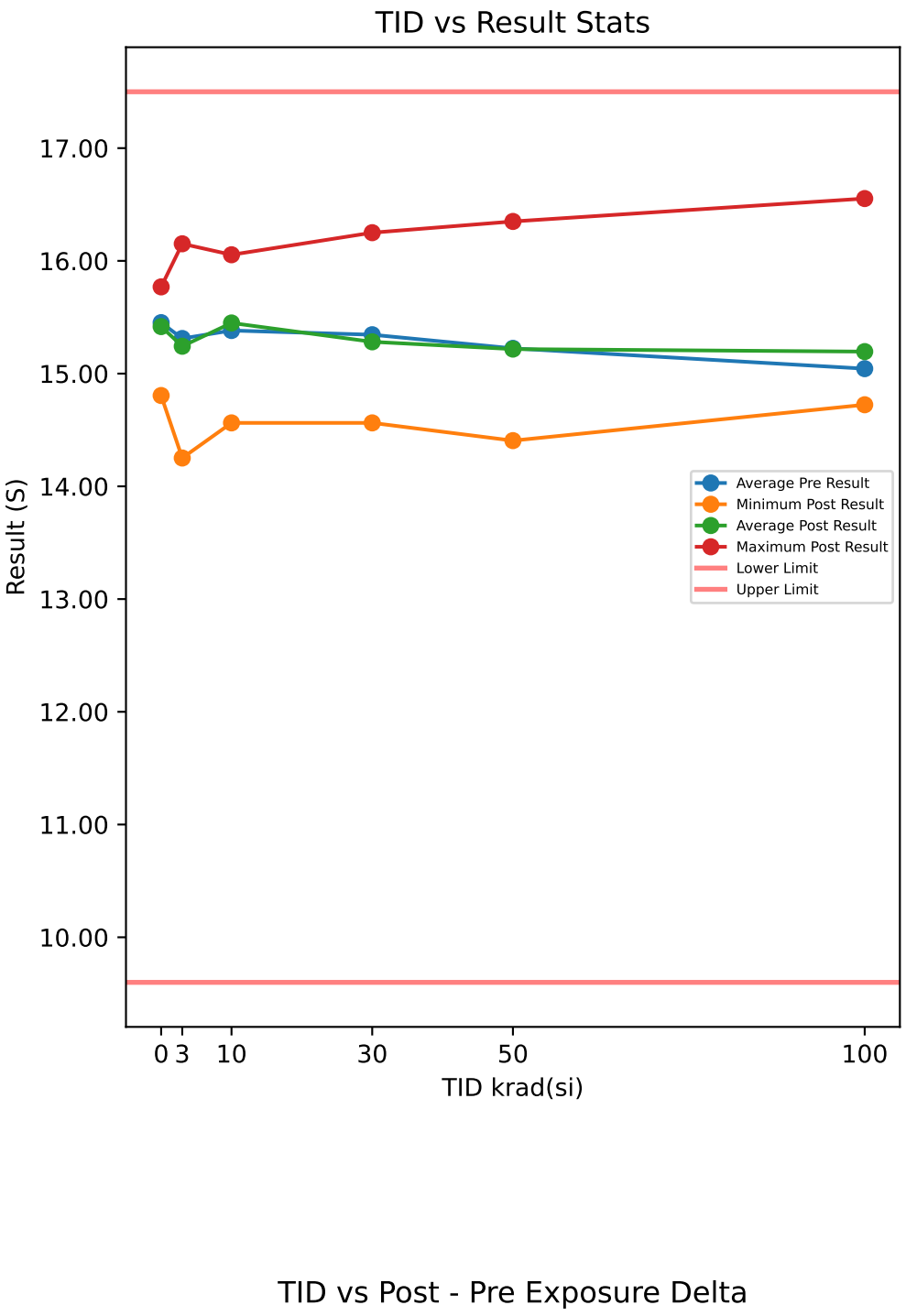
Test Results (Lower Limit = 4.6, Upper Limit = 9.2 (S))

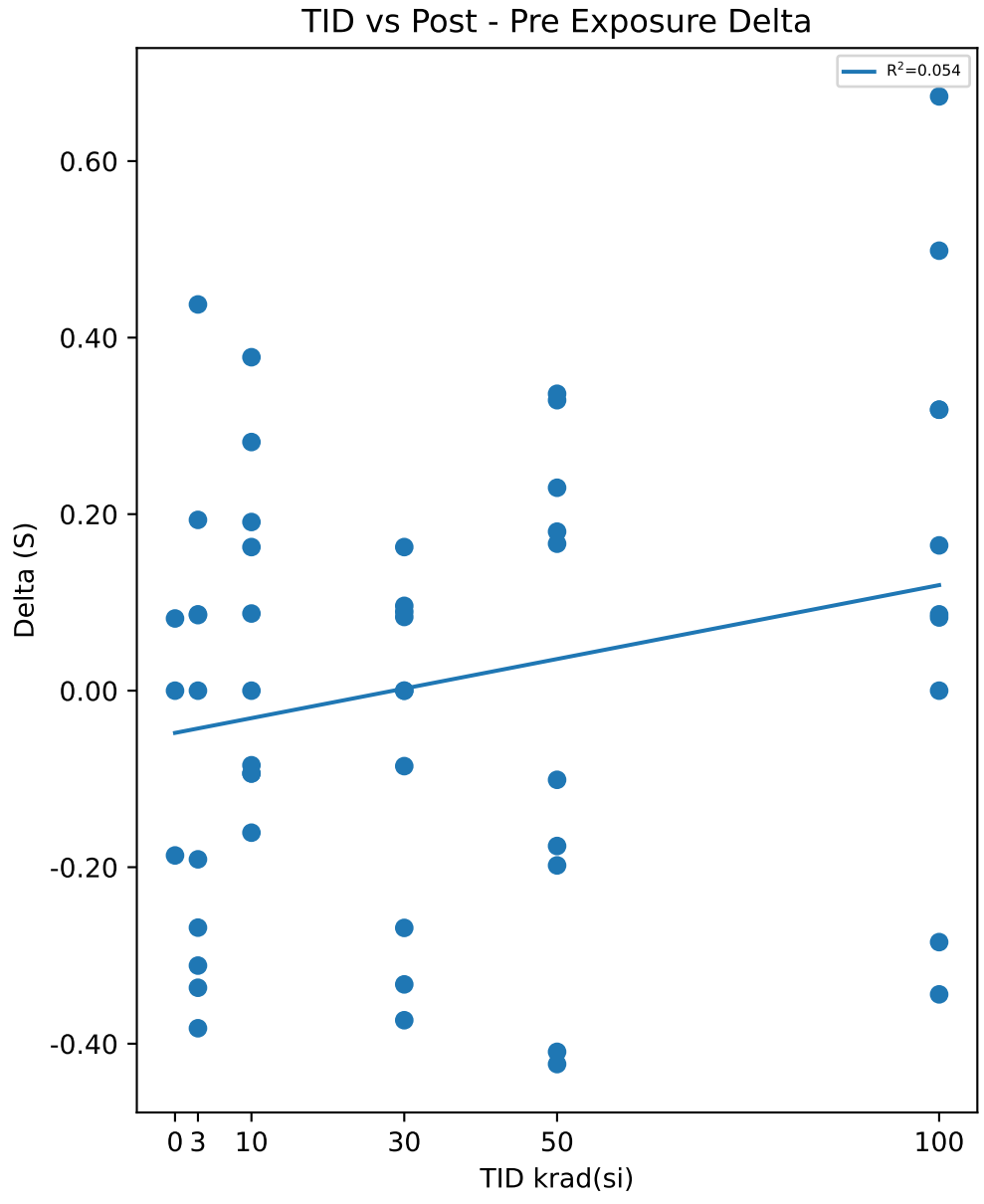
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
390	100	Biased	7.1443	7.7737	0.6294
392	100	Biased	7.1699	7.1046	-0.0653
393	100	Biased	7.579	7.7529	0.1739
394	100	Biased	7.5693	6.5524	-1.0169
395	100	Biased	7.7846	7.6689	-0.1157
412	100	Unbiased	6.9708	7.2706	0.2998
413	100	Unbiased	7.4483	7.8148	0.3665
414	100	Unbiased	8.1051	8.63	0.5249
415	100	Unbiased	7.3105	8.625	1.3145
416	100	Unbiased	6.9878	7.2336	0.2458
417	50	Biased	7.508	7.4063	-0.1017
418	50	Biased	7.2914	7.1376	-0.1538
419	50	Biased	7.842	7.9646	0.1226
421	50	Biased	7.0545	7.1852	0.1307
422	50	Biased	7.8626	7.7798	-0.0828
423	50	Unbiased	7.1921	7.421	0.2289
424	50	Unbiased	7.1068	7.0341	-0.0727
425	50	Unbiased	7.5575	7.5545	-0.003
426	50	Unbiased	7.2351	7.0997	-0.1354
427	50	Unbiased	7.4867	7.2742	-0.2125
463	0	Corr	7.1968	7.3335	0.1367
464	0	Corr	7.6533	7.4997	-0.1536
465	0	Corr	7.3927	7.4811	0.0884
466	30	Biased	7.419	7.253	-0.166
469	30	Biased	7.3811	7.364	-0.0171
470	30	Biased	7.4023	7.2927	-0.1096
472	30	Biased	7.9731	7.8898	-0.0833
474	30	Biased	7.4923	7.4081	-0.0842
475	30	Unbiased	7.6499	7.5965	-0.0534
477	30	Unbiased	7.2477	7.3119	0.0642
478	30	Unbiased	7.6246	7.6935	0.0689
479	30	Unbiased	7.2378	7.3833	0.1455
480	30	Unbiased	7.3164	7.282	-0.0344
481	10	Biased	7.8038	7.9576	0.1538
482	10	Biased	7.7898	7.7365	-0.0533
483	10	Biased	7.5835	7.5301	-0.0534
484	10	Biased	7.9393	7.9035	-0.0358
485	10	Biased	7.3447	7.5871	0.2424
487	10	Unbiased	7.756	7.6988	-0.0572
488	10	Unbiased	7.1167	7.2351	0.1184
489	10	Unbiased	7.8552	7.8972	0.042
490	10	Unbiased	7.1672	7.1212	-0.046
491	10	Unbiased	7.5258	7.475	-0.0508
492	3	Biased	7.331	7.2759	-0.0551
493	3	Biased	7.1489	7.2748	0.1259
494	3	Biased	7.7383	7.5476	-0.1907
495	3	Biased	7.7334	7.5658	-0.1676
496	3	Biased	7.393	7.3774	-0.0156
497	3	Unbiased	7.305	7.1065	-0.1985
498	3	Unbiased	7.7552	7.768	0.0128
499	3	Unbiased	7.6609	7.8046	0.1437
500	3	Unbiased	7.7751	7.5962	-0.1789
502	3	Unbiased	7.3843	7.3062	-0.0781

Test Statistics (S)

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	7.1968	7.4143	7.6533	0.22901	7.3335	7.4381	7.4997	0.091062	-0.1536	0.023833	0.1367	0.15555
3	7.1489	7.5225	7.7751	0.23276	7.1065	7.4623	7.8046	0.22964	-0.1985	-0.06021	0.1437	0.12722
10	7.1167	7.5882	7.9393	0.29299	7.1212	7.6142	7.9576	0.2824	-0.0572	0.02601	0.2424	0.10872
30	7.2378	7.4744	7.9731	0.22403	7.253	7.4475	7.8898	0.21044	-0.166	-0.02694	0.1455	0.094696
50	7.0545	7.4137	7.8626	0.28656	7.0341	7.3857	7.9646	0.30554	-0.2125	-0.02797	0.2289	0.14388
100	6.9708	7.407	8.1051	0.36333	6.5524	7.6427	8.63	0.64837	-1.0169	0.23569	1.3145	0.59728

Device Test: 20.13 EA_COMP_ISWITCH_GM_13A_25C(GMPS|STATIC/SW/4.5////@EA_COMP_ISWITCH_GM_13A_25C)





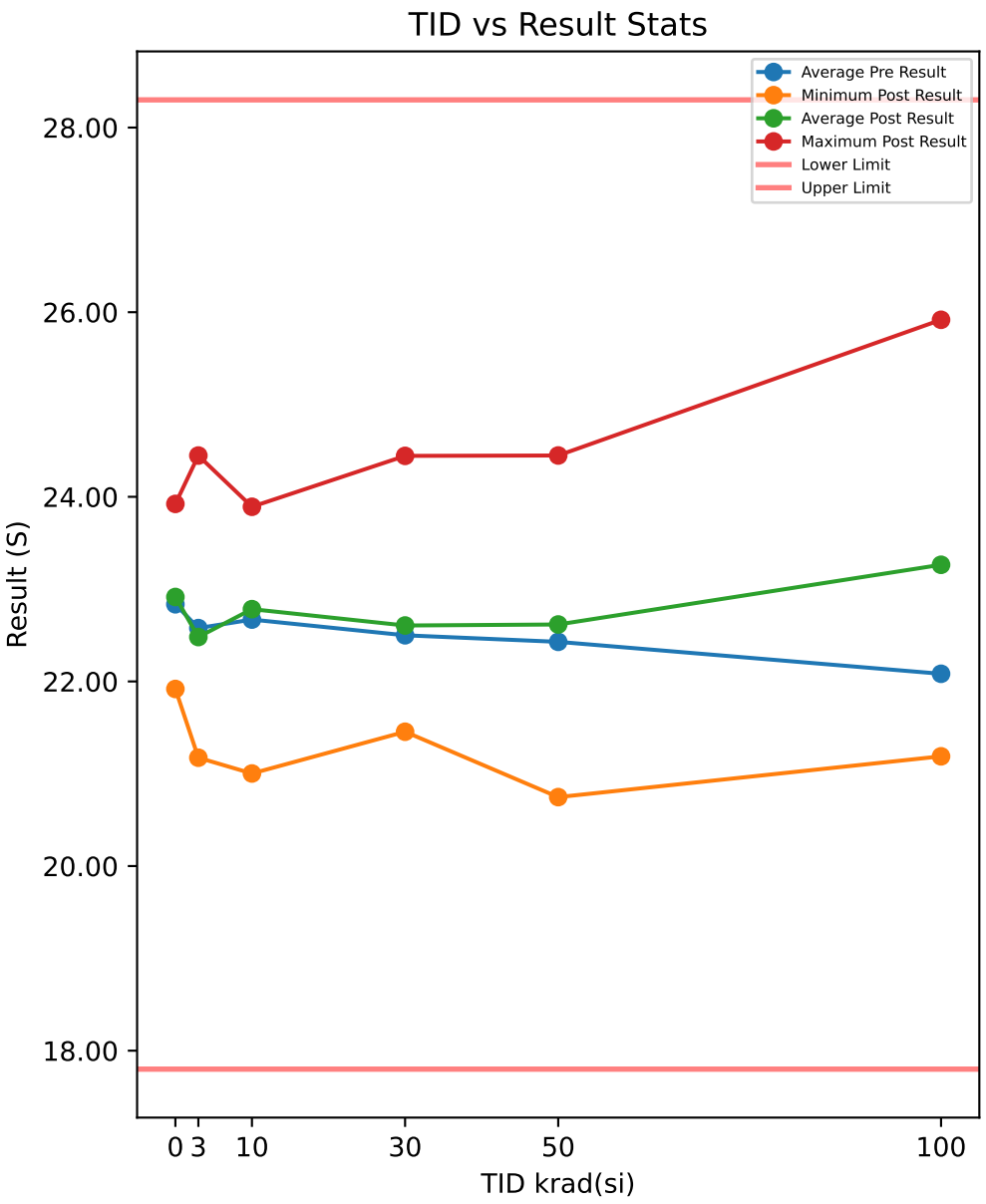
Test Results (Lower Limit = 9.6, Upper Limit = 17.5 (S))

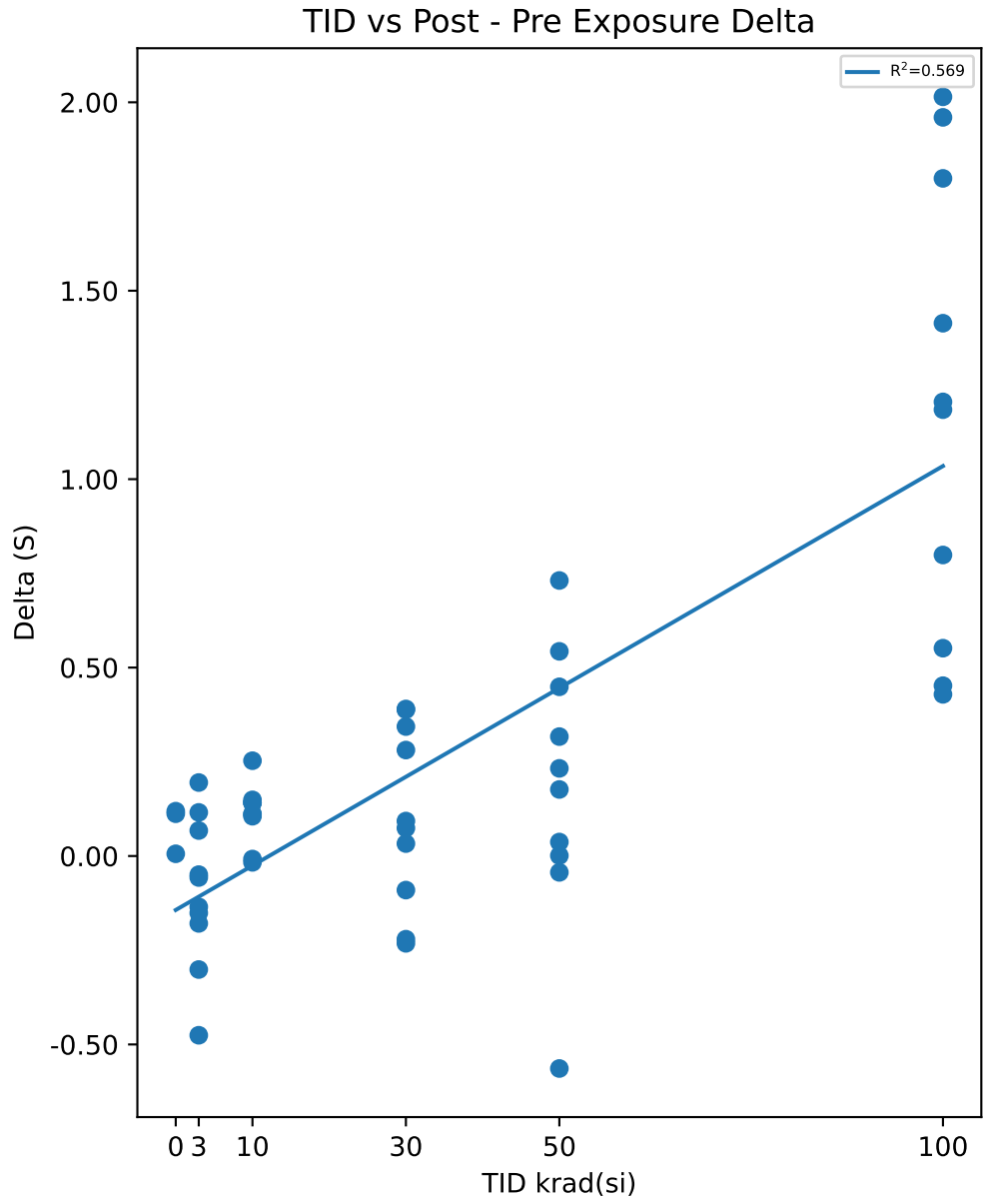
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
390	100	Biased	14.806	14.888	0.0829
392	100	Biased	15.316	14.972	-0.3441
393	100	Biased	14.724	14.888	0.1646
394	100	Biased	16.054	15.769	-0.2849
395	100	Biased	15.142	15.229	0.0865
412	100	Unbiased	14.405	14.724	0.3184
413	100	Unbiased	14.888	14.888	0
414	100	Unbiased	16.054	16.553	0.4985
415	100	Unbiased	14.643	15.316	0.6733
416	100	Unbiased	14.405	14.724	0.3183
417	50	Biased	15.405	15.585	0.1802
418	50	Biased	14.643	14.972	0.3291
419	50	Biased	16.451	16.35	-0.101
421	50	Biased	14.806	14.972	0.1665
422	50	Biased	16.35	16.152	-0.198
423	50	Unbiased	14.806	15.142	0.3364
424	50	Unbiased	14.176	14.405	0.2299
425	50	Unbiased	15.405	15.229	-0.176
426	50	Unbiased	15.229	14.806	-0.4231
427	50	Unbiased	14.972	14.563	-0.4092
463	0	Corr	14.724	14.806	0.0818
464	0	Corr	15.863	15.676	-0.1867
465	0	Corr	15.769	15.769	0
466	30	Biased	15.142	15.056	-0.0855
469	30	Biased	14.563	14.563	0
470	30	Biased	15.056	14.724	-0.3328
472	30	Biased	16.25	16.25	0
474	30	Biased	15.958	16.054	0.0961
475	30	Unbiased	15.585	15.316	-0.2688
477	30	Unbiased	14.888	14.972	0.0835
478	30	Unbiased	15.405	15.494	0.0895
479	30	Unbiased	15.958	15.585	-0.3734
480	30	Unbiased	14.643	14.806	0.1627
481	10	Biased	15.863	16.054	0.1911
482	10	Biased	15.863	15.769	-0.0938
483	10	Biased	15.229	15.229	0
484	10	Biased	15.863	15.769	-0.0938
485	10	Biased	15.056	14.972	-0.0845
487	10	Unbiased	15.676	16.054	0.3778
488	10	Unbiased	14.724	14.563	-0.1609
489	10	Unbiased	15.676	15.958	0.2817
490	10	Unbiased	14.643	14.806	0.1627
491	10	Unbiased	15.229	15.316	0.0874
492	3	Biased	14.405	14.405	0
493	3	Biased	14.563	14.251	-0.3115
494	3	Biased	15.142	15.229	0.0865
495	3	Biased	16.054	15.863	-0.1911
496	3	Biased	15.585	15.316	-0.2685
497	3	Unbiased	15.142	14.806	-0.3366
498	3	Unbiased	15.958	16.152	0.1935
499	3	Unbiased	16.152	15.769	-0.3825
500	3	Unbiased	15.056	15.494	0.4376
502	3	Unbiased	15.056	15.142	0.0856

Test Statistics (S)

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	14.724	15.452	15.863	0.6325	14.806	15.417	15.769	0.53167	-0.1867	-0.034967	0.0818	0.13762
3	14.405	15.311	16.152	0.60728	14.251	15.243	16.152	0.61843	-0.3825	-0.0687	0.4376	0.27117
10	14.643	15.382	15.863	0.47145	14.563	15.449	16.054	0.54671	-0.1609	0.06677	0.3778	0.1822
30	14.563	15.345	16.25	0.58402	14.563	15.282	16.25	0.56511	-0.3734	-0.06287	0.1627	0.19462
50	14.176	15.224	16.451	0.72167	14.405	15.217	16.35	0.63885	-0.4231	-0.00652	0.3364	0.29077
100	14.405	15.044	16.054	0.60413	14.724	15.195	16.553	0.57397	-0.3441	0.15135	0.6733	0.31911

Device Test: 20.18 EA_COMP_ISWITCH_GM_0P5V_19A(GMPS|STATIC/SW/4.5////@EA_COMP_ISWITCH_GM_0P5V_19A





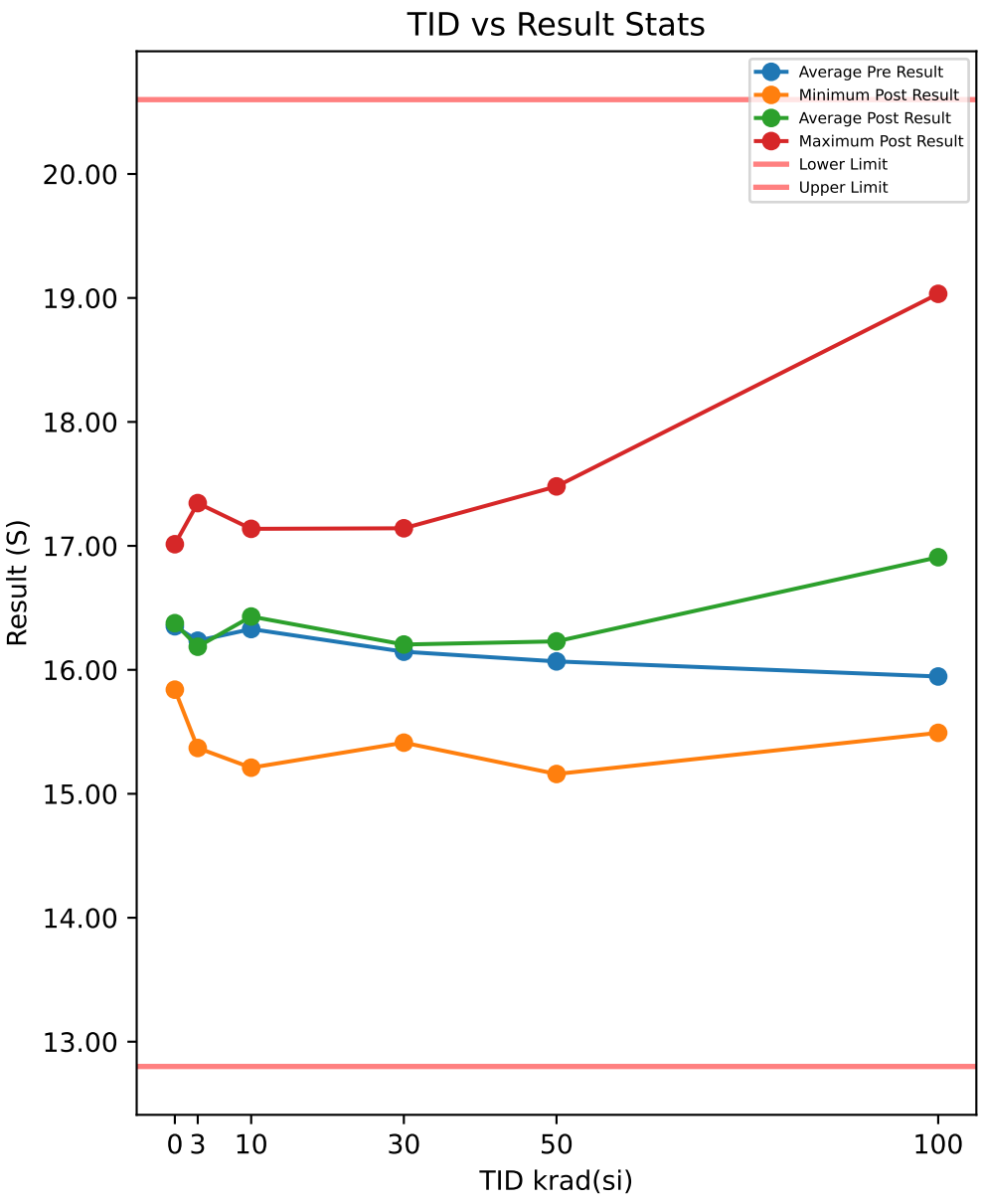
Test Results (Lower Limit = 17.8, Upper Limit = 28.3 (S))

Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
390	100	Biased	21.411	23.425	2.0145
392	100	Biased	22.23	22.659	0.429
393	100	Biased	21.762	22.967	1.205
394	100	Biased	23.097	24.282	1.1844
395	100	Biased	22.396	22.848	0.452
412	100	Unbiased	20.637	21.189	0.5515
413	100	Unbiased	22.429	23.228	0.7988
414	100	Unbiased	23.958	25.918	1.96
415	100	Unbiased	21.899	23.697	1.7981
416	100	Unbiased	21.01	22.424	1.4138
417	50	Biased	23.094	23.543	0.449
418	50	Biased	21.517	21.834	0.3169
419	50	Biased	24.215	24.448	0.2326
421	50	Biased	21.601	22.144	0.5431
422	50	Biased	23.891	23.892	0.0011
423	50	Unbiased	22.066	22.797	0.7311
424	50	Unbiased	20.79	20.747	-0.0434
425	50	Unbiased	22.939	23.115	0.1766
426	50	Unbiased	21.813	21.851	0.0371
427	50	Unbiased	22.364	21.8	-0.5638
463	0	Corr	21.806	21.918	0.1122
464	0	Corr	22.784	22.903	0.119
465	0	Corr	23.917	23.923	0.0059
466	30	Biased	22.244	22.525	0.2812
469	30	Biased	21.805	21.574	-0.2317
470	30	Biased	21.362	21.455	0.0928
472	30	Biased	24.369	24.443	0.0742
474	30	Biased	23.067	23.1	0.033
475	30	Unbiased	22.608	22.387	-0.2207
477	30	Unbiased	22.314	22.224	-0.0904
478	30	Unbiased	22.468	22.859	0.3902
479	30	Unbiased	22.8	23.144	0.3435
480	30	Unbiased	21.961	22.349	0.3882
481	10	Biased	23.9	23.892	-0.008
482	10	Biased	23.41	23.551	0.1418
483	10	Biased	22.168	22.309	0.1411
484	10	Biased	23.297	23.403	0.1056
485	10	Biased	22.618	22.728	0.1107
487	10	Unbiased	23.247	23.5	0.2529
488	10	Unbiased	20.891	21.003	0.1118
489	10	Unbiased	23.54	23.689	0.149
490	10	Unbiased	21.665	21.648	-0.0168
491	10	Unbiased	21.965	22.106	0.1415
492	3	Biased	21.309	21.174	-0.1349
493	3	Biased	21.316	21.267	-0.0494
494	3	Biased	22.372	22.071	-0.3012
495	3	Biased	23.345	23.194	-0.1511
496	3	Biased	22.461	22.282	-0.1788
497	3	Unbiased	22.373	22.316	-0.057
498	3	Unbiased	23.829	23.897	0.0676
499	3	Unbiased	24.923	24.447	-0.4756
500	3	Unbiased	21.989	22.105	0.1157
502	3	Unbiased	21.861	22.056	0.195

Test Statistics (S)

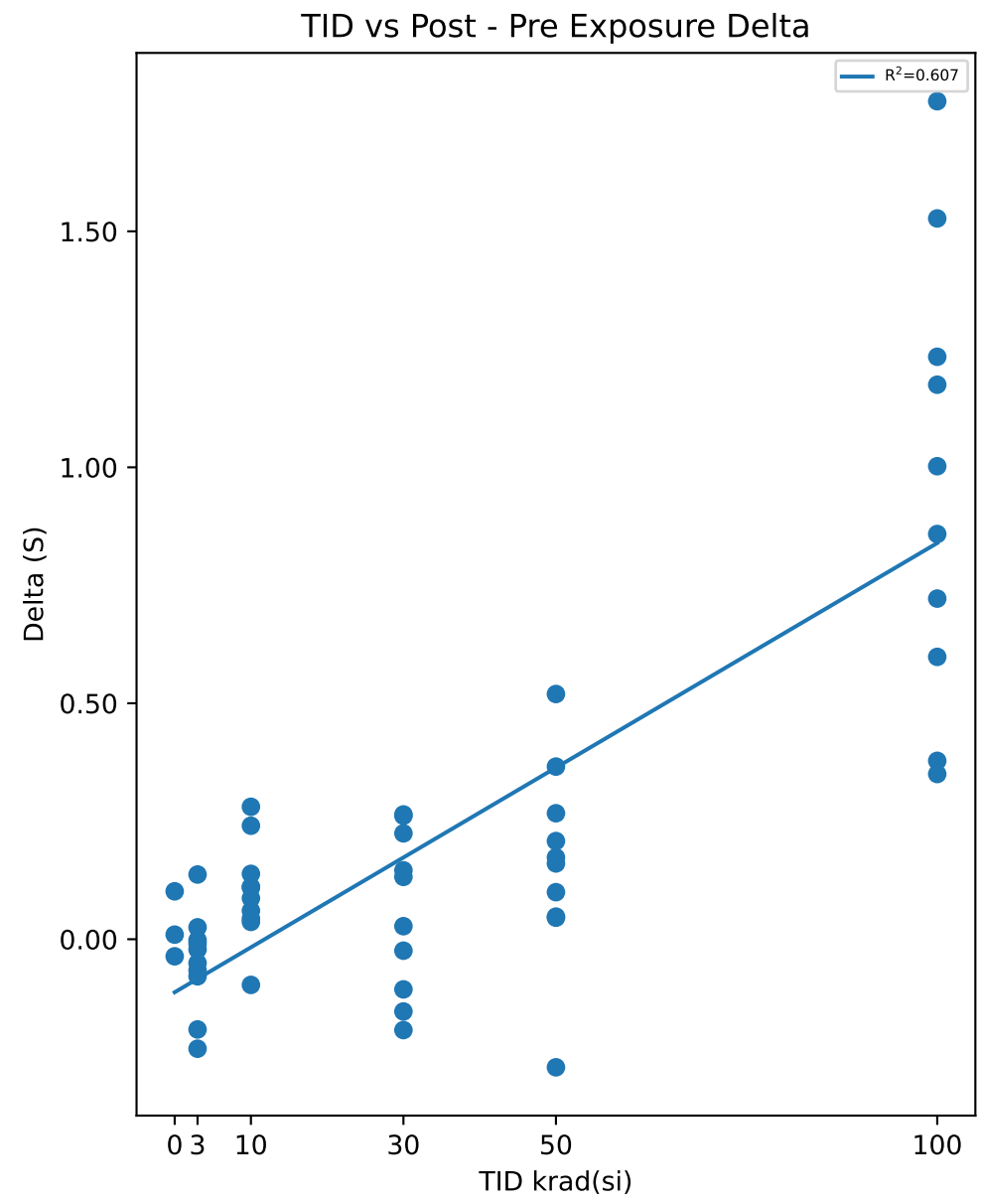
krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	21.806	22.836	23.917	1.0565	21.918	22.915	23.923	1.0024	0.0059	0.079033	0.119	0.063427
3	21.309	22.578	24.923	1.1457	21.174	22.481	24.447	1.0603	-0.4756	-0.09697	0.195	0.19932
10	20.891	22.67	23.9	0.97013	21.003	22.783	23.892	0.98217	-0.0168	0.11296	0.2529	0.078067
30	21.362	22.5	24.369	0.82234	21.455	22.606	24.443	0.85829	-0.2317	0.10603	0.3902	0.23883
50	20.79	22.429	24.215	1.0927	20.747	22.617	24.448	1.1403	-0.5638	0.18803	0.7311	0.36276
100	20.637	22.083	23.958	0.97827	21.189	23.264	25.918	1.2442	0.429	1.1807	2.0145	0.6125

Device Test: 20.19 EA_COMP_ISWITCH_GM_0P5V_13A(GMPS|STATIC/SW/4.5////@EA_COMP_ISWITCH_GM_0P5V_13A



Test Results (Lower Limit = 12.8, Upper Limit = 20.6 (S))

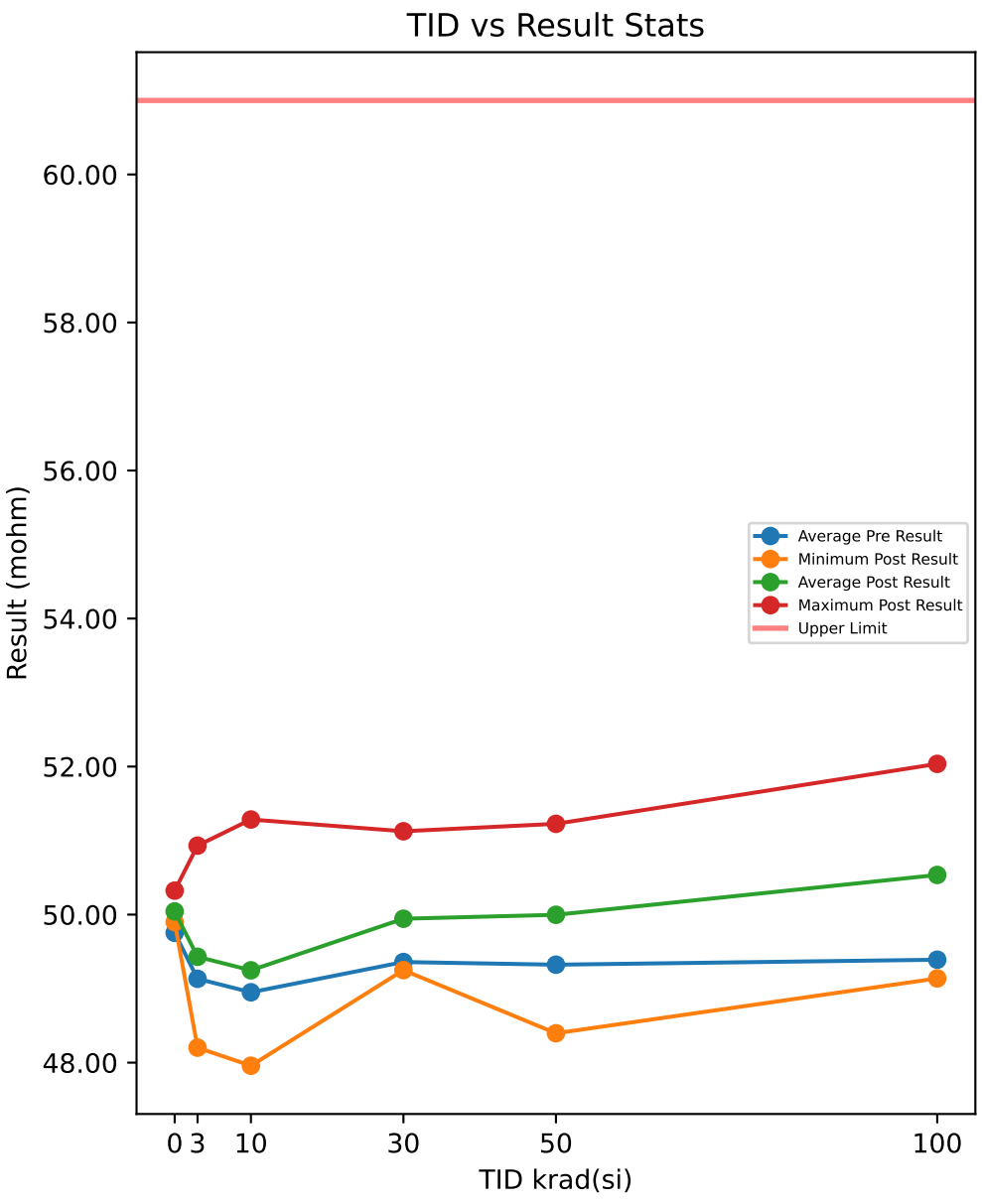
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
390	100	Biased	15.379	16.906	1.5273
392	100	Biased	15.833	16.211	0.378
393	100	Biased	15.896	16.898	1.0023
394	100	Biased	16.492	17.214	0.7218
395	100	Biased	16.289	16.64	0.3501
412	100	Unbiased	14.893	15.492	0.5983
413	100	Unbiased	16.238	17.097	0.8586
414	100	Unbiased	17.258	19.033	1.7757
415	100	Unbiased	15.78	17.014	1.2342
416	100	Unbiased	15.404	16.579	1.175
417	50	Biased	16.468	16.735	0.2669
418	50	Biased	15.443	15.651	0.208
419	50	Biased	17.306	17.48	0.1733
421	50	Biased	15.576	15.942	0.3658
422	50	Biased	16.854	17.015	0.1606
423	50	Unbiased	15.611	16.131	0.5196
424	50	Unbiased	15.06	15.16	0.0997
425	50	Unbiased	16.511	16.556	0.0456
426	50	Unbiased	15.639	15.687	0.0479
427	50	Unbiased	16.21	15.939	-0.2714
463	0	Corr	15.83	15.84	0.0097
464	0	Corr	16.174	16.276	0.1015
465	0	Corr	17.049	17.013	-0.0362
466	30	Biased	15.893	16.025	0.1321
469	30	Biased	15.741	15.635	-0.1063
470	30	Biased	15.385	15.412	0.0276
472	30	Biased	17.334	17.142	-0.1925
474	30	Biased	16.343	16.489	0.146
475	30	Unbiased	16.298	16.145	-0.1531
477	30	Unbiased	16.171	16.147	-0.0243
478	30	Unbiased	16.194	16.456	0.2616
479	30	Unbiased	16.407	16.672	0.2644
480	30	Unbiased	15.695	15.919	0.2243
481	10	Biased	17.188	17.091	-0.0968
482	10	Biased	17.028	17.137	0.1096
483	10	Biased	16.04	16.179	0.1385
484	10	Biased	16.768	16.811	0.0436
485	10	Biased	16.381	16.418	0.0367
487	10	Unbiased	16.452	16.733	0.2806
488	10	Unbiased	14.97	15.211	0.2405
489	10	Unbiased	16.994	17.054	0.0604
490	10	Unbiased	15.53	15.617	0.0869
491	10	Unbiased	15.938	16.049	0.111
492	3	Biased	15.391	15.37	-0.0217
493	3	Biased	15.396	15.386	-0.0094
494	3	Biased	16.149	15.917	-0.232
495	3	Biased	16.638	16.664	0.0252
496	3	Biased	15.911	15.86	-0.0505
497	3	Unbiased	16.045	15.979	-0.0659
498	3	Unbiased	17.355	17.276	-0.0786
499	3	Unbiased	17.536	17.345	-0.1912
500	3	Unbiased	15.908	16.045	0.1371
502	3	Unbiased	16.022	16.02	-0.0018

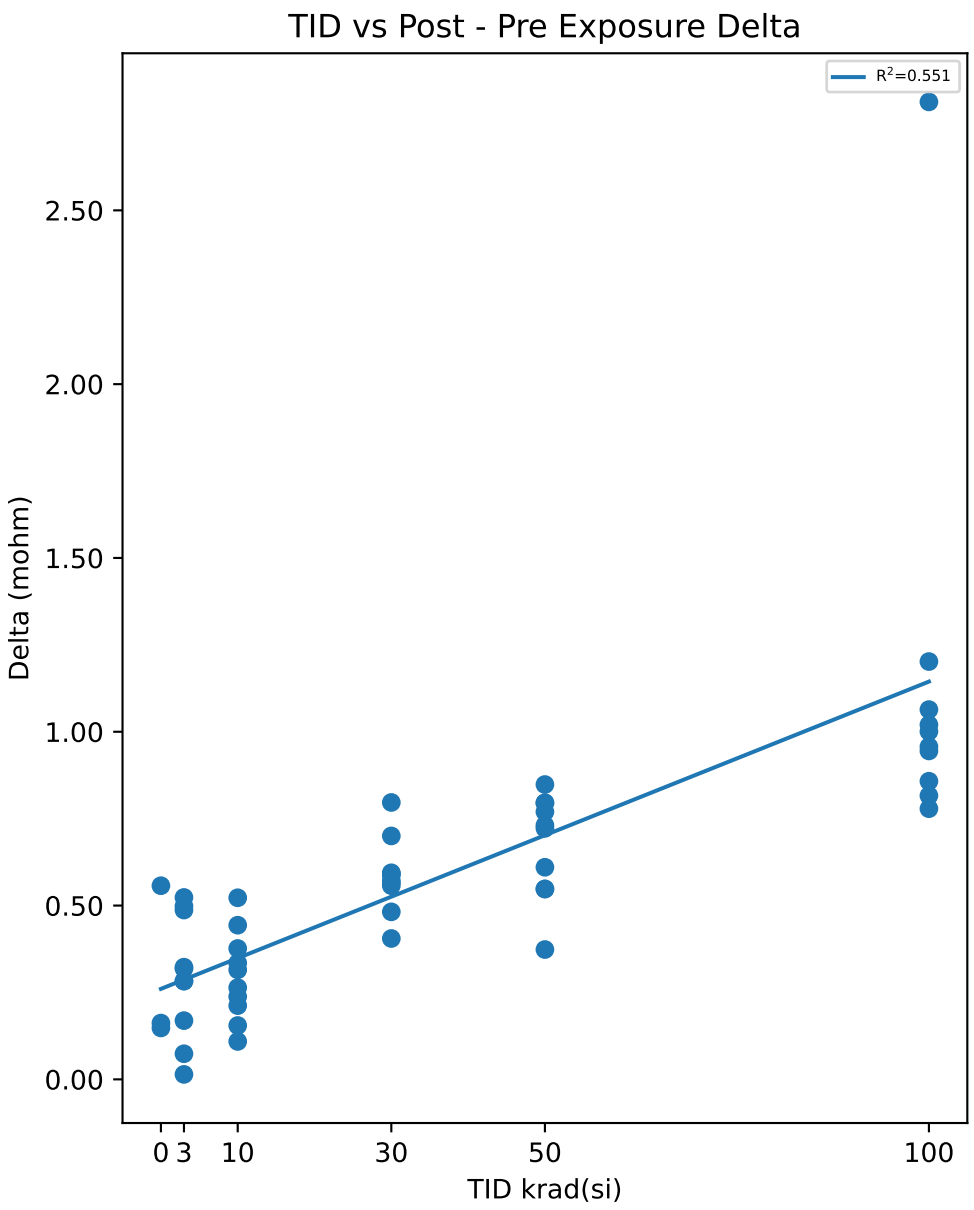


Test Statistics (S)

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	15.83	16.351	17.049	0.62854	15.84	16.376	17.013	0.59303	-0.0362	0.025	0.1015	0.070113
3	15.391	16.235	17.536	0.73242	15.37	16.186	17.345	0.69408	-0.232	-0.04888	0.1371	0.10517
10	14.97	16.329	17.188	0.71479	15.211	16.43	17.137	0.65993	-0.0968	0.1011	0.2806	0.1063
30	15.385	16.146	17.334	0.53295	15.412	16.204	17.142	0.50703	-0.1925	0.05798	0.2644	0.17222
50	15.06	16.068	17.306	0.71247	15.16	16.23	17.48	0.70644	-0.2714	0.1616	0.5196	0.21107
100	14.893	15.946	17.258	0.66572	15.492	16.908	19.033	0.90245	0.3501	0.96213	1.7757	0.47363

Device Test: 20.2 R_HIGHSIDE_4V_25C(LEVEL|HIGHSIDE/SW/4.5/2///@R_HIGHSIDE_4V_25C)





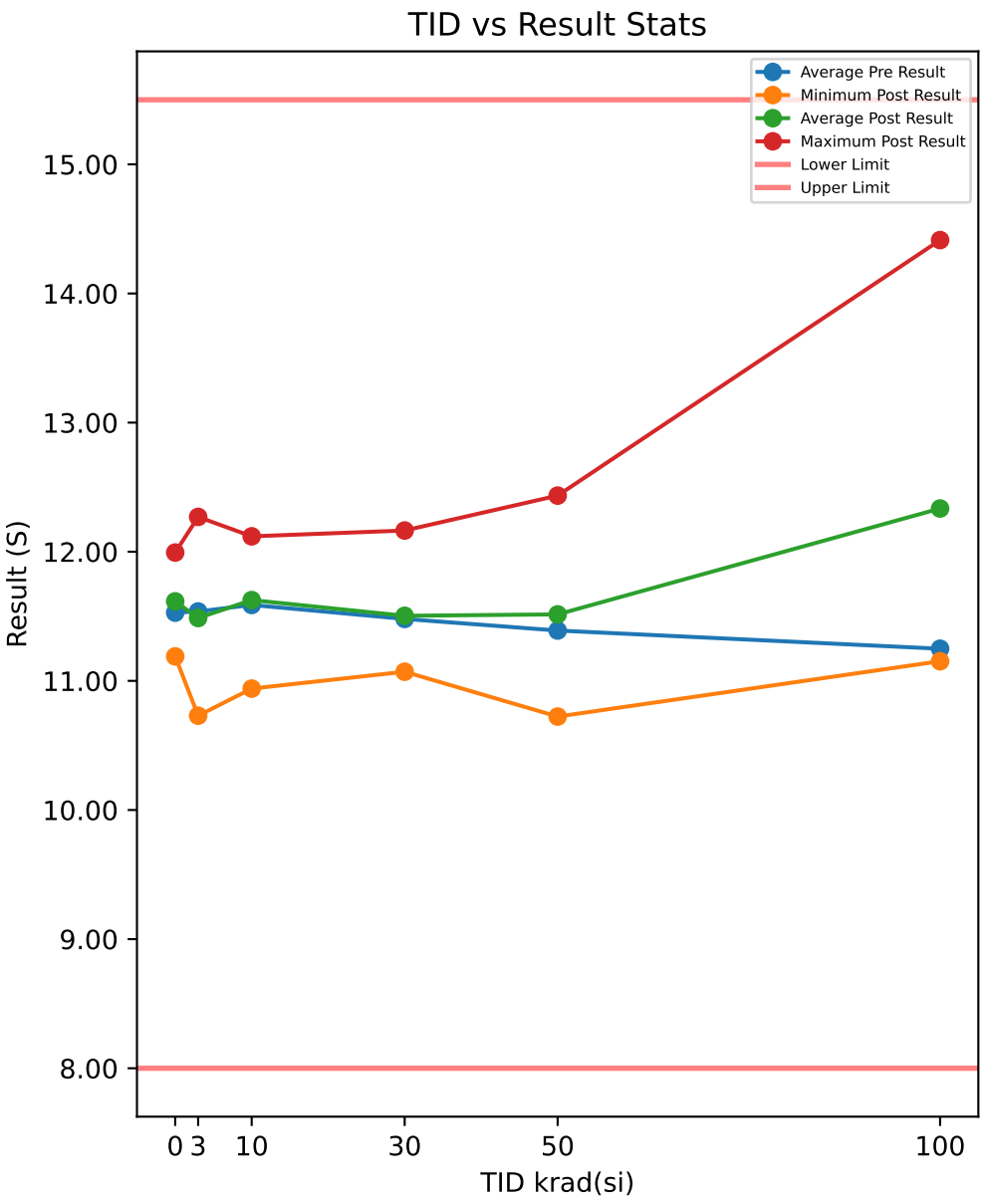
Test Results (Upper Limit = 61.0 (mohm))

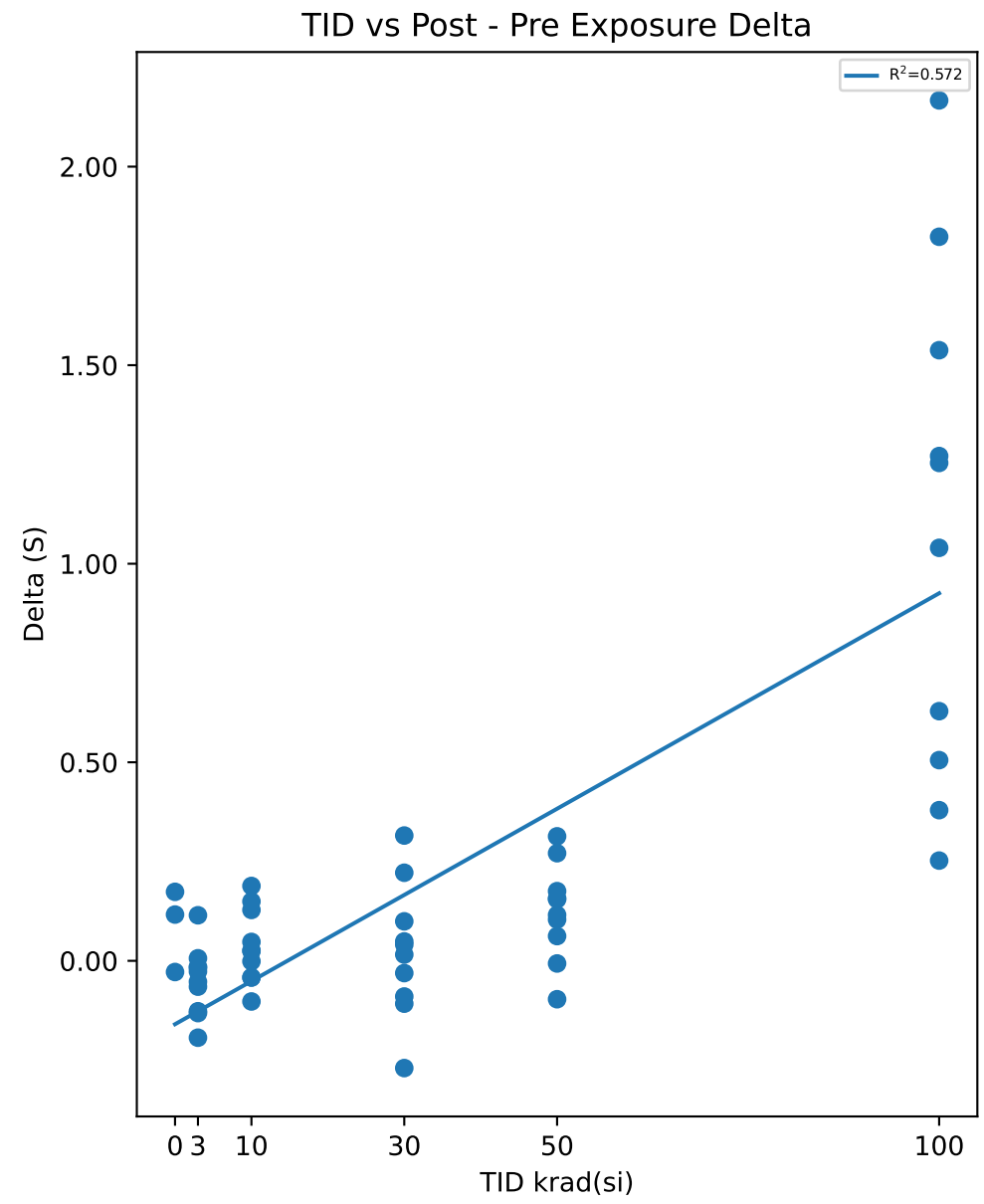
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
390	100	Biased	50.517	51.461	0.9448
392	100	Biased	50.293	51.357	1.0638
393	100	Biased	48.457	49.477	1.0201
394	100	Biased	49.844	50.802	0.9572
395	100	Biased	49.222	50.038	0.8163
412	100	Unbiased	49.664	50.521	0.8577
413	100	Unbiased	48.137	49.138	1.0009
414	100	Unbiased	48.044	49.246	1.202
415	100	Unbiased	49.224	52.036	2.812
416	100	Unbiased	50.501	51.279	0.7787
417	50	Biased	50.222	50.77	0.5477
418	50	Biased	50.504	51.226	0.7221
419	50	Biased	48.607	49.217	0.6102
421	50	Biased	49.746	50.293	0.5477
422	50	Biased	48.165	48.961	0.7957
423	50	Unbiased	49.74	50.114	0.3735
424	50	Unbiased	50.074	50.844	0.7698
425	50	Unbiased	47.666	48.397	0.731
426	50	Unbiased	50.089	50.884	0.7951
427	50	Unbiased	48.418	49.266	0.8482
463	0	Corr	49.744	49.907	0.162
464	0	Corr	49.751	49.899	0.1479
465	0	Corr	49.767	50.324	0.5571
466	30	Biased	49.214	49.914	0.7003
469	30	Biased	48.768	49.25	0.4819
470	30	Biased	49.364	49.958	0.5943
472	30	Biased	48.706	49.293	0.5873
474	30	Biased	50.329	51.126	0.7966
475	30	Unbiased	49.128	49.534	0.4053
477	30	Unbiased	49.881	50.473	0.5919
478	30	Unbiased	48.747	49.319	0.5714
479	30	Unbiased	50.265	50.831	0.5658
480	30	Unbiased	49.189	49.746	0.5572
481	10	Biased	49.088	49.243	0.155
482	10	Biased	48.104	48.438	0.3347
483	10	Biased	48.644	48.856	0.2121
484	10	Biased	47.582	47.958	0.3765
485	10	Biased	49.044	49.282	0.238
487	10	Unbiased	49.74	49.849	0.1091
488	10	Unbiased	49.68	49.995	0.3151
489	10	Unbiased	48.141	48.663	0.5224
490	10	Unbiased	50.841	51.285	0.4435
491	10	Unbiased	48.641	48.905	0.2639
492	3	Biased	49.525	49.848	0.3228
493	3	Biased	48.48	48.799	0.3187
494	3	Biased	48.6	49.098	0.4984
495	3	Biased	49.5	49.783	0.2828
496	3	Biased	49.733	50.22	0.4871
497	3	Unbiased	50.763	50.932	0.169
498	3	Unbiased	47.92	48.203	0.2828
499	3	Unbiased	48.17	48.694	0.5233
500	3	Unbiased	48.649	48.723	0.0737
502	3	Unbiased	49.986	50	0.0143

Test Statistics (mohm)

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	49.744	49.754	49.767	0.011538	49.899	50.043	50.324	0.2433	0.1479	0.289	0.5571	0.23229
3	47.92	49.133	50.763	0.90518	48.203	49.43	50.932	0.85376	0.0143	0.29729	0.5233	0.175
10	47.582	48.95	50.841	0.95421	47.958	49.247	51.285	0.94293	0.1091	0.29703	0.5224	0.12806
30	48.706	49.359	50.329	0.60451	49.25	49.944	51.126	0.66406	0.4053	0.5852	0.7966	0.1067
50	47.666	49.323	50.504	1.0069	48.397	49.997	51.226	0.97124	0.3735	0.6741	0.8482	0.14938
100	48.044	49.39	50.517	0.93729	49.138	50.536	52.036	1.0215	0.7787	1.1453	2.812	0.59863

Device Test: 20.20 EA_COMP_ISWITCH_GM_9A(GMPS|STATIC/SW/4.5////@EA_COMP_ISWITCH_GM_9A)





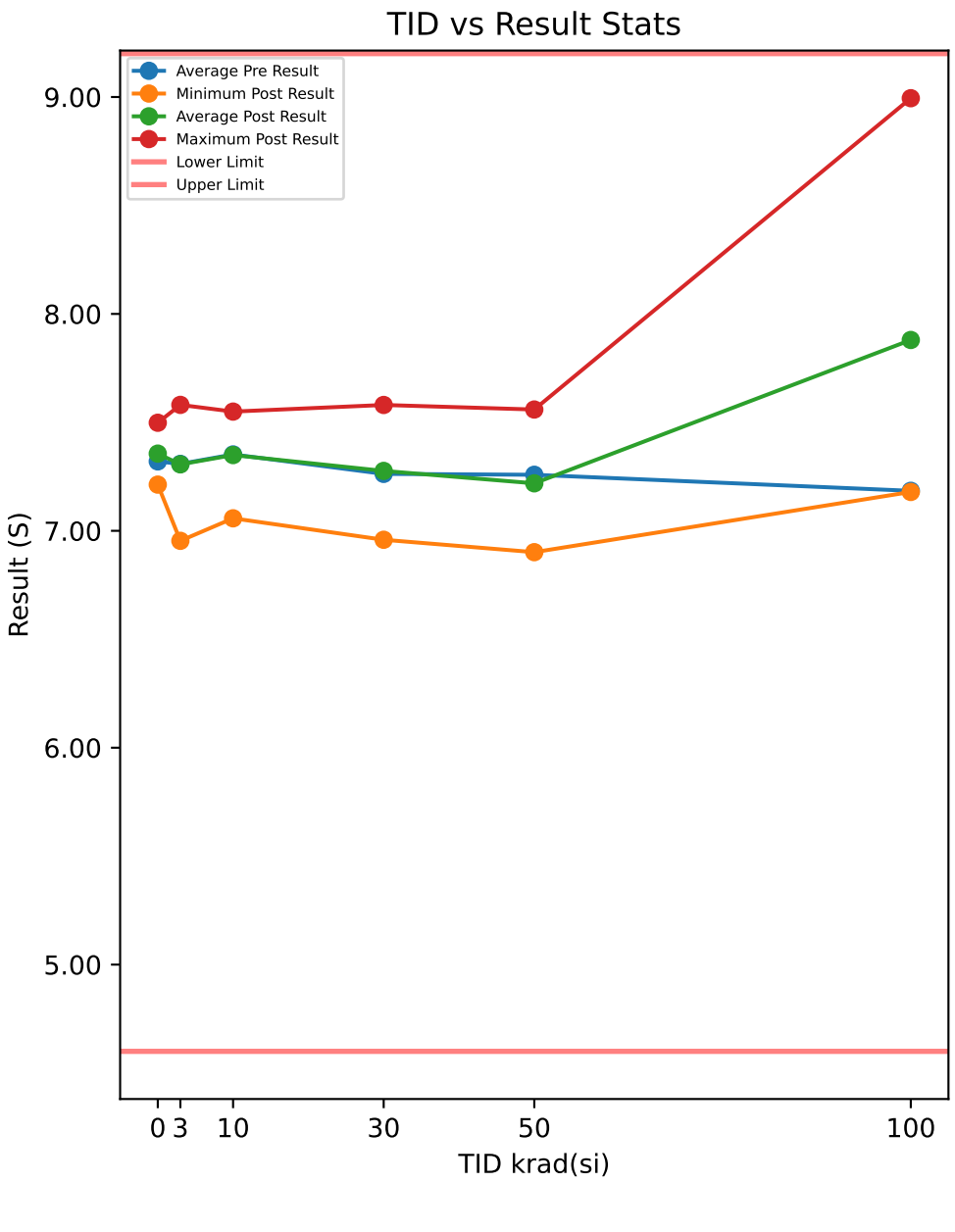
Test Results (Lower Limit = 8.0, Upper Limit = 15.5 (S))

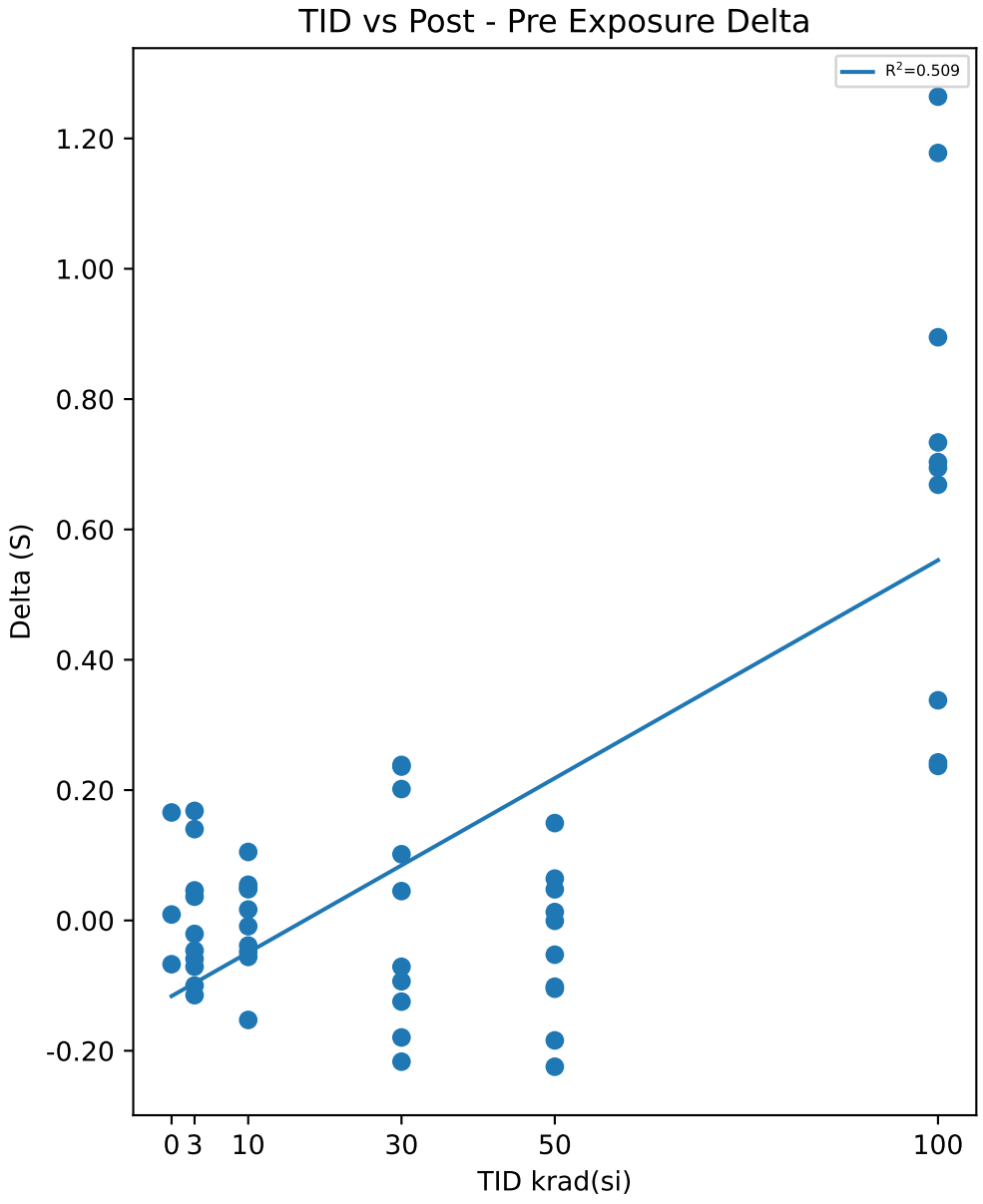
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
390	100	Biased	10.894	12.718	1.8234
392	100	Biased	11.396	12.024	0.6287
393	100	Biased	11.213	12.467	1.2538
394	100	Biased	11.666	11.918	0.2524
395	100	Biased	11.436	11.815	0.3794
412	100	Unbiased	10.647	11.152	0.5054
413	100	Unbiased	11.248	12.288	1.04
414	100	Unbiased	12.247	14.414	2.1668
415	100	Unbiased	11.142	12.68	1.5377
416	100	Unbiased	10.6	11.871	1.2712
417	50	Biased	11.682	11.839	0.1573
418	50	Biased	10.916	10.978	0.0623
419	50	Biased	12.28	12.435	0.155
421	50	Biased	10.781	11.052	0.271
422	50	Biased	11.992	12.168	0.1755
423	50	Unbiased	11.186	11.5	0.3135
424	50	Unbiased	10.608	10.724	0.1155
425	50	Unbiased	11.932	11.925	-0.0067
426	50	Unbiased	11.225	11.128	-0.0967
427	50	Unbiased	11.296	11.4	0.1039
463	0	Corr	11.016	11.189	0.1737
464	0	Corr	11.548	11.664	0.1165
465	0	Corr	12.022	11.994	-0.0282
466	30	Biased	11.457	11.349	-0.1079
469	30	Biased	11.15	11.165	0.0157
470	30	Biased	11.102	11.071	-0.0309
472	30	Biased	12.116	12.164	0.0488
474	30	Biased	11.707	11.748	0.0408
475	30	Unbiased	11.727	11.457	-0.2701
477	30	Unbiased	11.448	11.359	-0.0899
478	30	Unbiased	11.504	11.726	0.2218
479	30	Unbiased	11.435	11.751	0.3155
480	30	Unbiased	11.151	11.25	0.0994
481	10	Biased	12.059	12.017	-0.042
482	10	Biased	11.934	12.084	0.1495
483	10	Biased	11.312	11.44	0.1281
484	10	Biased	12.049	12.048	-0.0012
485	10	Biased	11.397	11.424	0.0262
487	10	Unbiased	11.75	11.939	0.1885
488	10	Unbiased	10.893	10.94	0.0476
489	10	Unbiased	12.222	12.119	-0.1024
490	10	Unbiased	11.151	11.109	-0.0418
491	10	Unbiased	11.112	11.136	0.0243
492	3	Biased	10.924	10.73	-0.1936
493	3	Biased	11.19	11.125	-0.0651
494	3	Biased	11.406	11.389	-0.0173
495	3	Biased	11.805	11.811	0.0064
496	3	Biased	11.427	11.374	-0.0527
497	3	Unbiased	11.393	11.266	-0.127
498	3	Unbiased	12.346	12.214	-0.1316
499	3	Unbiased	12.296	12.27	-0.0268
500	3	Unbiased	11.277	11.391	0.1147
502	3	Unbiased	11.311	11.296	-0.0151

Test Statistics (S)

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	11.016	11.528	12.022	0.50343	11.189	11.616	11.994	0.40438	-0.0282	0.087333	0.1737	0.10406
3	10.924	11.537	12.346	0.46759	10.73	11.487	12.27	0.47924	-0.1936	-0.05081	0.1147	0.086004
10	10.893	11.588	12.222	0.47095	10.94	11.626	12.119	0.46365	-0.1024	0.03768	0.1885	0.092877
30	11.102	11.48	12.116	0.31297	11.071	11.504	12.164	0.33664	-0.2701	0.02432	0.3155	0.16688
50	10.608	11.39	12.28	0.55949	10.724	11.515	12.435	0.56143	-0.0967	0.12506	0.3135	0.12125
100	10.6	11.249	12.247	0.48856	11.152	12.335	14.414	0.86669	0.2524	1.0859	2.1668	0.64299

Device Test: 20.21 EA_COMP_ISWITCH_GM_6A(GMPS|STATIC/SW/4.5////@EA_COMP_ISWITCH_GM_6A)





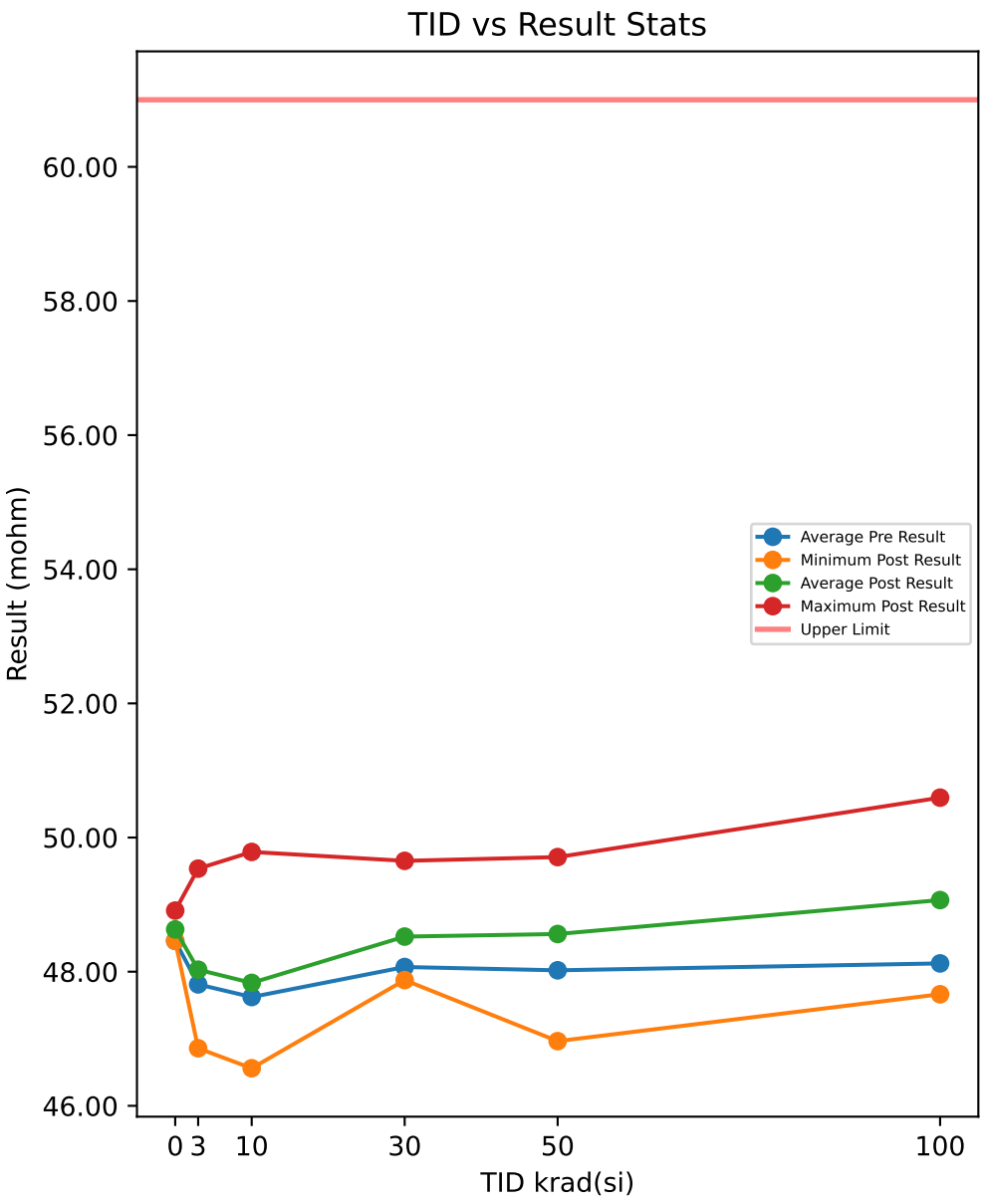
Test Results (Lower Limit = 4.6, Upper Limit = 9.2 (S))

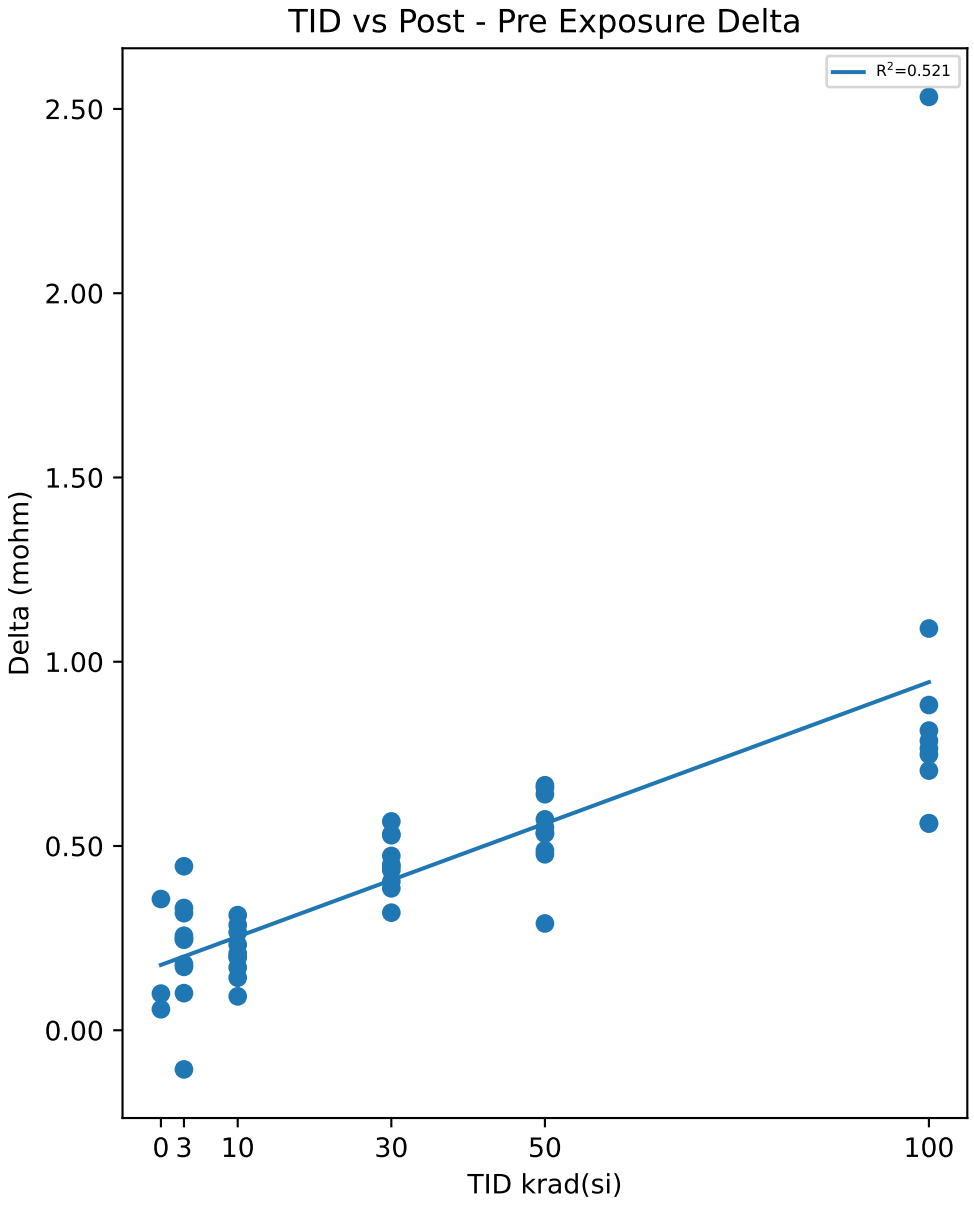
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
390	100	Biased	7.0572	8.2349	1.1777
392	100	Biased	7.2224	7.891	0.6686
393	100	Biased	7.0565	7.79	0.7335
394	100	Biased	7.4296	7.6667	0.2371
395	100	Biased	7.2785	7.6163	0.3378
412	100	Unbiased	6.9366	7.1791	0.2425
413	100	Unbiased	7.1953	7.8899	0.6946
414	100	Unbiased	7.7304	8.9945	1.2641
415	100	Unbiased	7.1493	8.0442	0.8949
416	100	Unbiased	6.7881	7.4915	0.7034
417	50	Biased	7.3198	7.2181	-0.1017
418	50	Biased	7.031	7.0787	0.0477
419	50	Biased	7.7334	7.5493	-0.1841
421	50	Biased	6.9178	6.9307	0.0129
422	50	Biased	7.5598	7.5592	-0.0006
423	50	Unbiased	7.1681	7.3175	0.1494
424	50	Unbiased	6.9541	6.9015	-0.0526
425	50	Unbiased	7.4209	7.4851	0.0642
426	50	Unbiased	7.3361	7.1116	-0.2245
427	50	Unbiased	7.1428	7.038	-0.1048
463	0	Corr	7.2039	7.213	0.0091
464	0	Corr	7.3325	7.4982	0.1657
465	0	Corr	7.4236	7.3564	-0.0672
466	30	Biased	7.2504	7.2954	0.045
469	30	Biased	7.1342	7.0631	-0.0711
470	30	Biased	6.9941	7.2302	0.2361
472	30	Biased	7.7532	7.5365	-0.2167
474	30	Biased	7.3416	7.5802	0.2386
475	30	Unbiased	7.3176	7.2242	-0.0934
477	30	Unbiased	7.2115	7.0869	-0.1246
478	30	Unbiased	7.2764	7.478	0.2016
479	30	Unbiased	7.207	7.3086	0.1016
480	30	Unbiased	7.1383	6.9587	-0.1796
481	10	Biased	7.5314	7.5481	0.0167
482	10	Biased	7.4727	7.5206	0.0479
483	10	Biased	7.2287	7.3338	0.1051
484	10	Biased	7.6032	7.5472	-0.056
485	10	Biased	7.1908	7.2406	0.0498
487	10	Unbiased	7.4431	7.4342	-0.0089
488	10	Unbiased	7.1057	7.0576	-0.0481
489	10	Unbiased	7.7023	7.5496	-0.1527
490	10	Unbiased	7.0073	7.0621	0.0548
491	10	Unbiased	7.2359	7.1974	-0.0385
492	3	Biased	7	6.9538	-0.0462
493	3	Biased	7.0849	7.131	0.0461
494	3	Biased	7.3503	7.3867	0.0364
495	3	Biased	7.5626	7.5419	-0.0207
496	3	Biased	7.2495	7.1905	-0.059
497	3	Unbiased	7.1434	7.0724	-0.071
498	3	Unbiased	7.6486	7.5487	-0.0999
499	3	Unbiased	7.6953	7.5806	-0.1147
500	3	Unbiased	7.2179	7.386	0.1681
502	3	Unbiased	7.1323	7.2724	0.1401

Test Statistics (S)

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	7.2039	7.32	7.4236	0.11038	7.213	7.3559	7.4982	0.1426	-0.0672	0.035867	0.1657	0.11873
3	7	7.3085	7.6953	0.24648	6.9538	7.3064	7.5806	0.21771	-0.1147	-0.00208	0.1681	0.097476
10	7.0073	7.3521	7.7023	0.22974	7.0576	7.3491	7.5496	0.19946	-0.1527	-0.00299	0.1051	0.074043
30	6.9941	7.2624	7.7532	0.20001	6.9587	7.2762	7.5802	0.20795	-0.2167	0.01375	0.2386	0.17394
50	6.9178	7.2584	7.7334	0.26552	6.9015	7.219	7.5592	0.24794	-0.2245	-0.03941	0.1494	0.1163
100	6.7881	7.1844	7.7304	0.26265	7.1791	7.8798	8.9945	0.48996	0.2371	0.69542	1.2641	0.35607

Device Test: 20.3 R_HIGHSIDE_4V_25C(LEVEL|HIGHSIDE/SW/4.5/12///@R_HIGHSIDE_4V_25C)





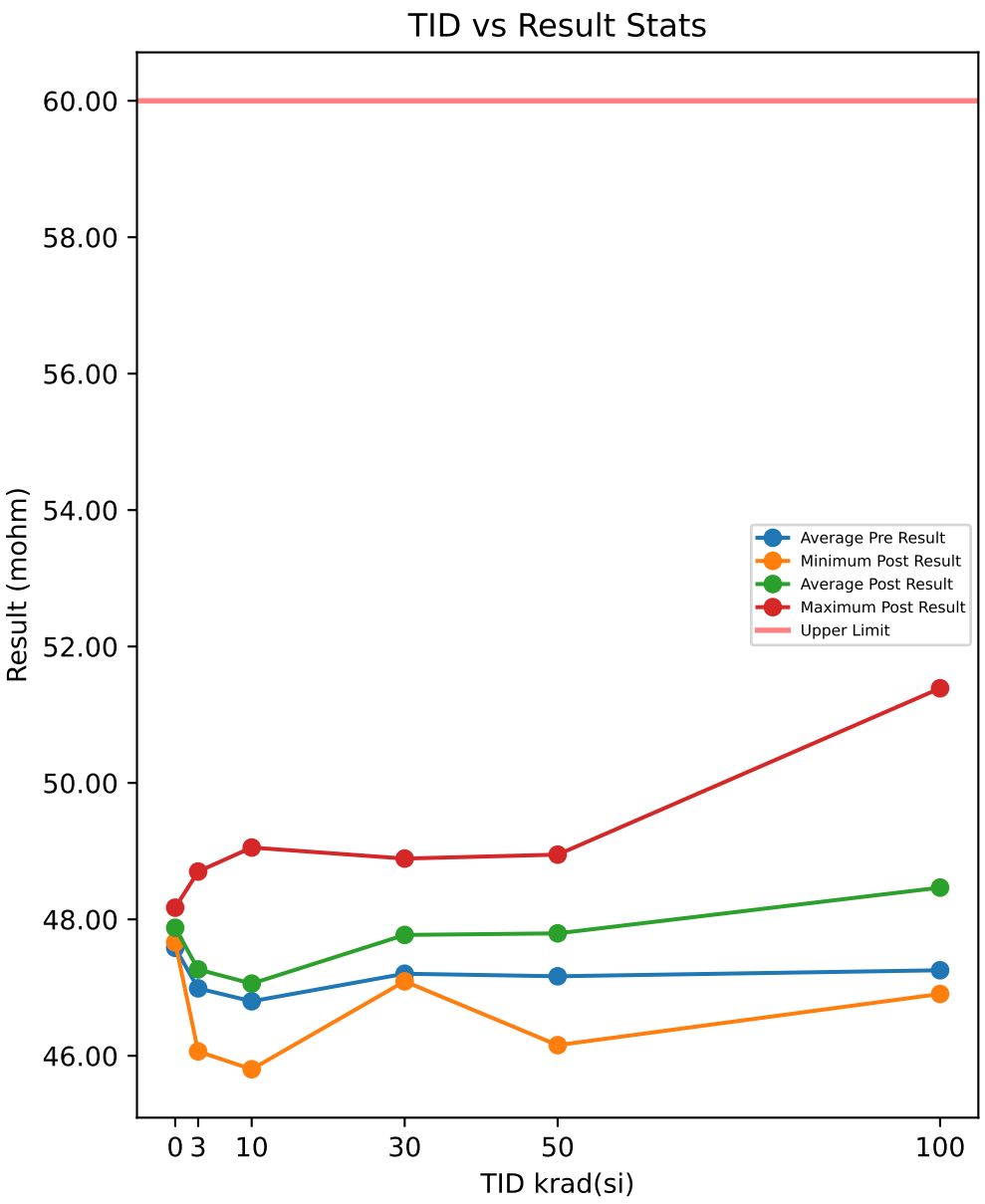
Test Results (Upper Limit = 61.0 (mohm))

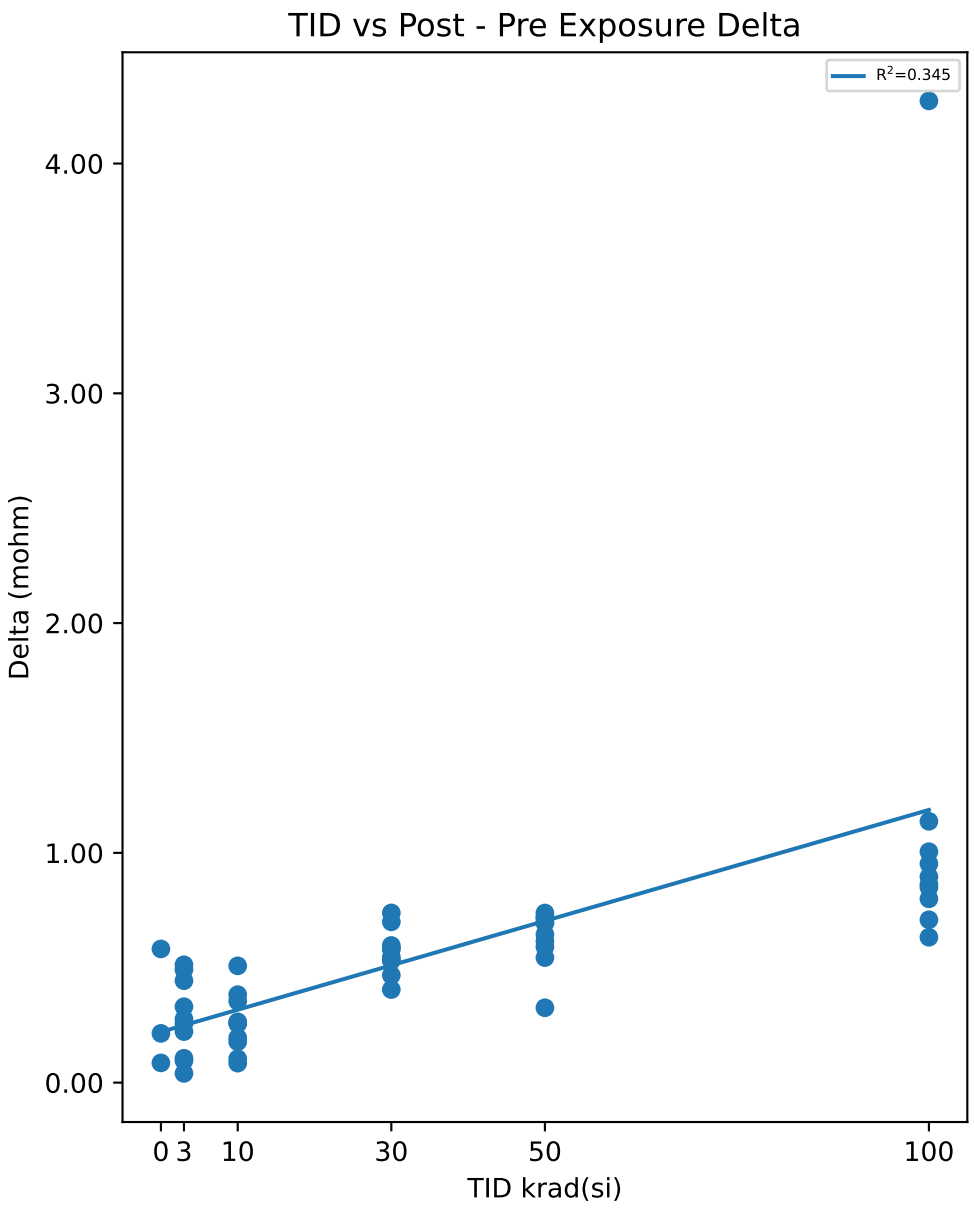
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
390	100	Biased	49.218	50.031	0.8132
392	100	Biased	49.049	49.835	0.7858
393	100	Biased	47.172	48.054	0.8825
394	100	Biased	48.565	49.313	0.748
395	100	Biased	47.984	48.546	0.562
412	100	Unbiased	48.325	49.09	0.7648
413	100	Unbiased	46.959	47.664	0.7046
414	100	Unbiased	46.653	47.743	1.0902
415	100	Unbiased	48.062	50.595	2.5327
416	100	Unbiased	49.247	49.808	0.5608
417	50	Biased	48.826	49.303	0.4775
418	50	Biased	49.173	49.709	0.5359
419	50	Biased	47.259	47.831	0.5723
421	50	Biased	48.407	48.941	0.5337
422	50	Biased	46.944	47.494	0.5501
423	50	Unbiased	48.421	48.711	0.2898
424	50	Unbiased	48.781	49.422	0.6405
425	50	Unbiased	46.476	46.964	0.4882
426	50	Unbiased	48.758	49.417	0.6583
427	50	Unbiased	47.16	47.824	0.6648
463	0	Corr	48.404	48.461	0.057
464	0	Corr	48.42	48.519	0.0994
465	0	Corr	48.555	48.911	0.3561
466	30	Biased	47.954	48.484	0.5292
469	30	Biased	47.555	47.874	0.3191
470	30	Biased	48.12	48.569	0.4495
472	30	Biased	47.369	47.901	0.5319
474	30	Biased	49.086	49.653	0.5666
475	30	Unbiased	47.687	48.091	0.4035
477	30	Unbiased	48.608	48.993	0.3851
478	30	Unbiased	47.514	47.949	0.4343
479	30	Unbiased	48.932	49.405	0.473
480	30	Unbiased	47.871	48.316	0.4446
481	10	Biased	47.691	47.833	0.1426
482	10	Biased	46.768	46.976	0.2087
483	10	Biased	47.337	47.508	0.1702
484	10	Biased	46.294	46.56	0.2657
485	10	Biased	47.665	47.865	0.2004
487	10	Unbiased	48.344	48.436	0.092
488	10	Unbiased	48.332	48.618	0.2858
489	10	Unbiased	46.901	47.213	0.3125
490	10	Unbiased	49.588	49.786	0.1977
491	10	Unbiased	47.301	47.533	0.2322
492	3	Biased	48.242	48.499	0.2565
493	3	Biased	47.201	47.446	0.2457
494	3	Biased	47.199	47.644	0.445
495	3	Biased	48.194	48.374	0.1796
496	3	Biased	48.416	48.747	0.3318
497	3	Unbiased	49.364	49.536	0.172
498	3	Unbiased	46.61	46.858	0.2482
499	3	Unbiased	46.927	47.245	0.3177
500	3	Unbiased	47.224	47.325	0.1007
502	3	Unbiased	48.73	48.623	-0.1062

Test Statistics (mohm)

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	48.404	48.459	48.555	0.083096	48.461	48.63	48.911	0.2449	0.057	0.17083	0.3561	0.16184
3	46.61	47.811	49.364	0.89876	46.858	48.03	49.536	0.84656	-0.1062	0.2191	0.445	0.14908
10	46.294	47.622	49.588	0.94824	46.56	47.833	49.786	0.92654	0.092	0.21078	0.3125	0.066781
30	47.369	48.07	49.086	0.60854	47.874	48.523	49.653	0.63659	0.3191	0.45368	0.5666	0.075096
50	46.476	48.021	49.173	0.95888	46.964	48.562	49.709	0.95866	0.2898	0.54111	0.6648	0.11058
100	46.653	48.123	49.247	0.94285	47.664	49.068	50.595	1.0265	0.5608	0.94446	2.5327	0.57849

Device Test: 20.36 R_HIGHSIDE_5V_25C(LEVEL|HIGHSIDE/SW/5/2///@R_HIGHSIDE_5V_25C)





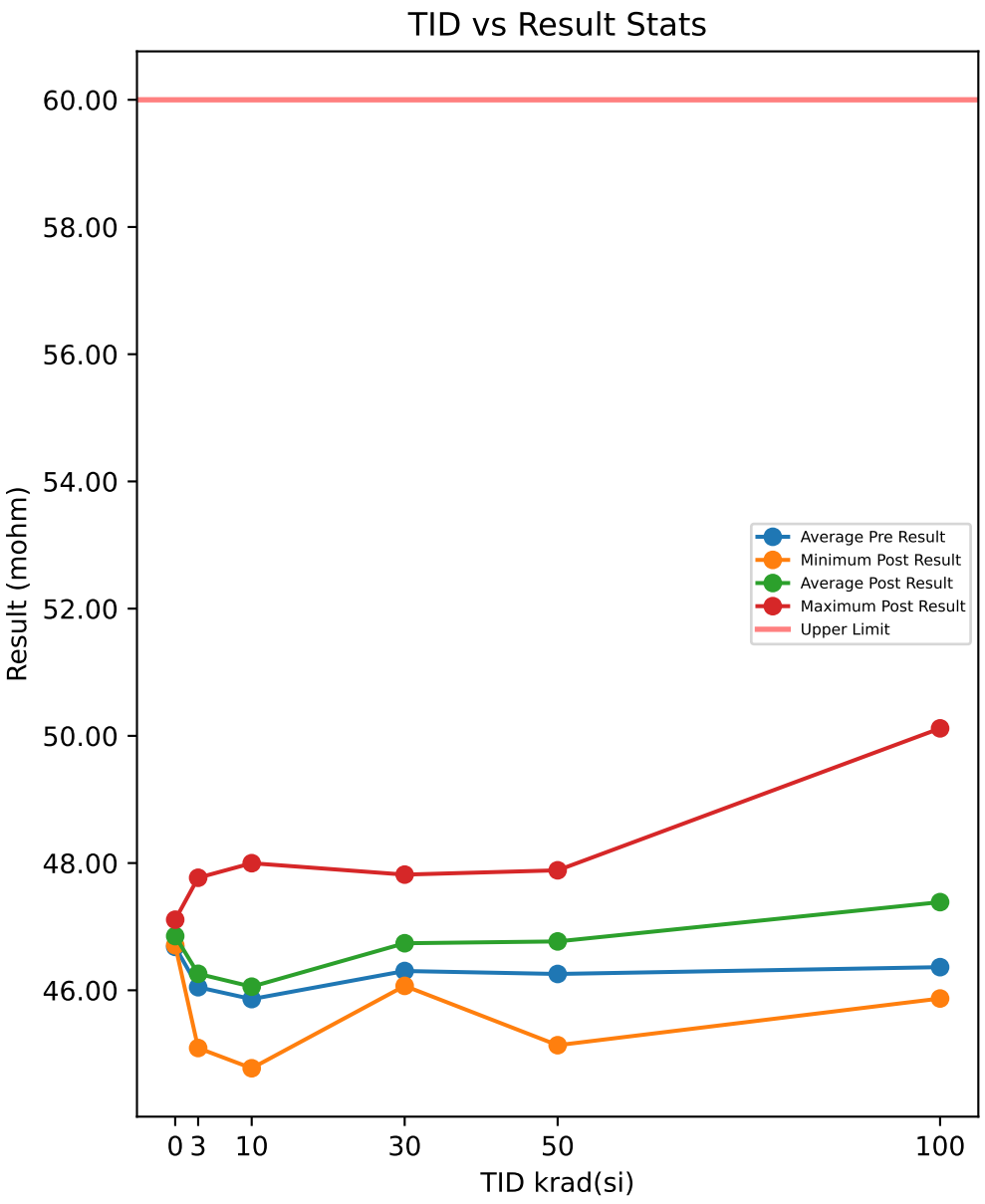
Test Results (Upper Limit = 60.0 (mohm))

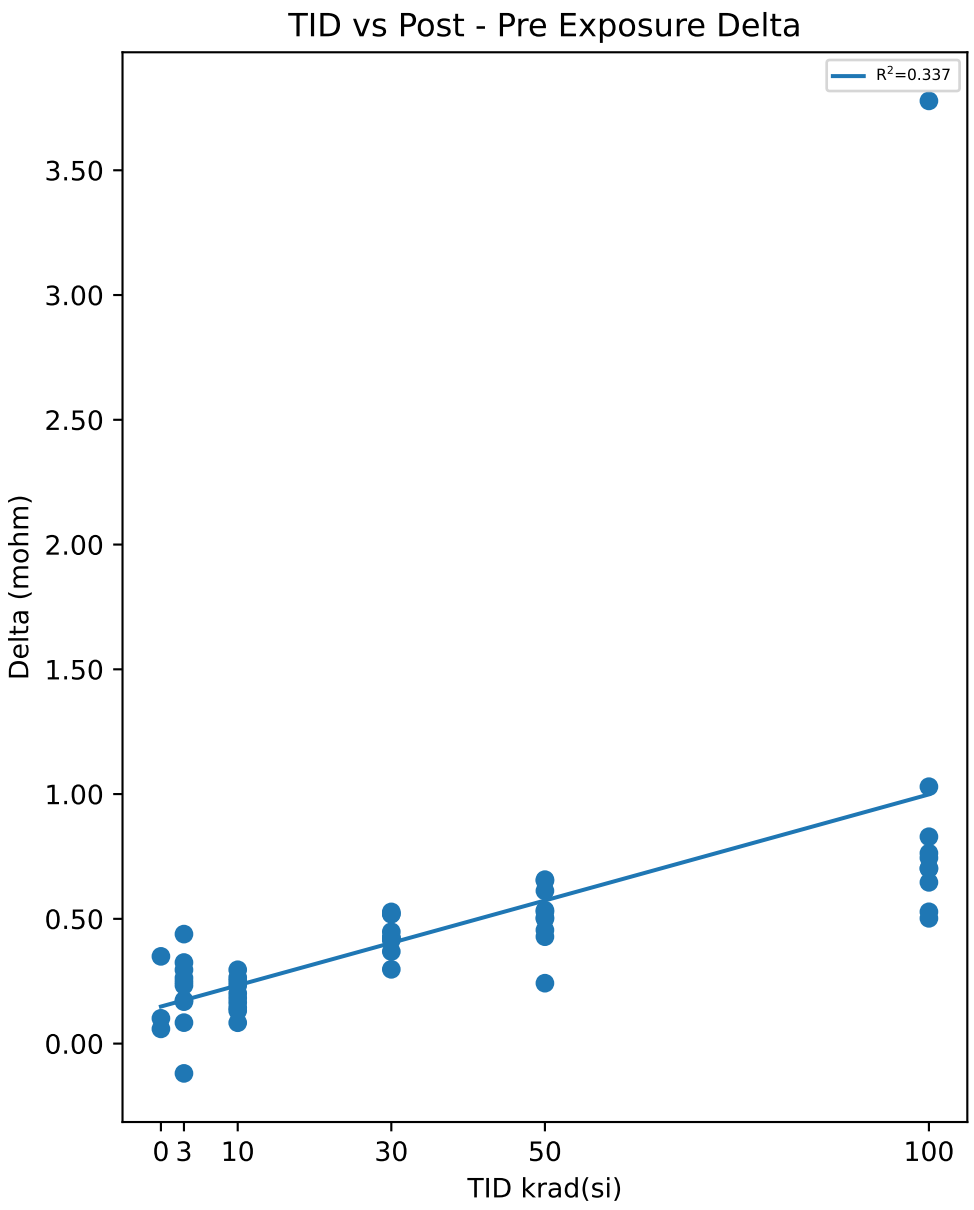
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
390	100	Biased	48.368	49.231	0.863
392	100	Biased	48.137	49.142	1.005
393	100	Biased	46.381	47.231	0.8498
394	100	Biased	47.644	48.597	0.953
395	100	Biased	47.062	47.77	0.7087
412	100	Unbiased	47.55	48.35	0.8
413	100	Unbiased	46.01	46.906	0.8961
414	100	Unbiased	45.885	47.022	1.1373
415	100	Unbiased	47.115	51.388	4.2726
416	100	Unbiased	48.387	49.02	0.6327
417	50	Biased	48.036	48.58	0.5441
418	50	Biased	48.304	48.949	0.645
419	50	Biased	46.456	47.047	0.5909
421	50	Biased	47.575	48.191	0.6154
422	50	Biased	45.978	46.696	0.7182
423	50	Unbiased	47.582	47.907	0.3258
424	50	Unbiased	47.965	48.683	0.7187
425	50	Unbiased	45.458	46.156	0.6981
426	50	Unbiased	47.954	48.649	0.6951
427	50	Unbiased	46.351	47.089	0.7382
463	0	Corr	47.577	47.663	0.0859
464	0	Corr	47.581	47.795	0.2143
465	0	Corr	47.59	48.171	0.5819
466	30	Biased	47.039	47.739	0.6997
469	30	Biased	46.686	47.091	0.4051
470	30	Biased	47.251	47.781	0.5306
472	30	Biased	46.51	47.107	0.597
474	30	Biased	48.153	48.891	0.7386
475	30	Unbiased	46.938	47.406	0.4676
477	30	Unbiased	47.685	48.271	0.5865
478	30	Unbiased	46.606	47.186	0.5798
479	30	Unbiased	48.117	48.662	0.5459
480	30	Unbiased	47.047	47.582	0.5351
481	10	Biased	46.934	47.019	0.0849
482	10	Biased	45.948	46.144	0.1953
483	10	Biased	46.501	46.766	0.2645
484	10	Biased	45.42	45.803	0.3828
485	10	Biased	46.922	47.1	0.178
487	10	Unbiased	47.548	47.651	0.1038
488	10	Unbiased	47.583	47.844	0.2617
489	10	Unbiased	45.968	46.476	0.5083
490	10	Unbiased	48.698	49.053	0.3546
491	10	Unbiased	46.469	46.725	0.2562
492	3	Biased	47.42	47.751	0.3304
493	3	Biased	46.447	46.705	0.2572
494	3	Biased	46.412	46.924	0.5128
495	3	Biased	47.344	47.567	0.2221
496	3	Biased	47.579	48.023	0.4436
497	3	Unbiased	48.605	48.701	0.0955
498	3	Unbiased	45.787	46.064	0.2768
499	3	Unbiased	45.998	46.49	0.4916
500	3	Unbiased	46.455	46.561	0.106
502	3	Unbiased	47.837	47.877	0.0402

Test Statistics (mohm)

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	47.577	47.582	47.59	0.0063516	47.663	47.876	48.171	0.26378	0.0859	0.29403	0.5819	0.25743
3	45.787	46.989	48.605	0.90253	46.064	47.266	48.701	0.83716	0.0402	0.27762	0.5128	0.16797
10	45.42	46.799	48.698	0.96201	45.803	47.058	49.053	0.93692	0.0849	0.25901	0.5083	0.12982
30	46.51	47.203	48.153	0.59589	47.091	47.772	48.891	0.64252	0.4051	0.56859	0.7386	0.098519
50	45.458	47.166	48.304	1.0082	46.156	47.795	48.949	0.97678	0.3258	0.62895	0.7382	0.12387
100	45.885	47.254	48.387	0.93004	46.906	48.466	51.388	1.3517	0.6327	1.2118	4.2726	1.085

Device Test: 20.37 R_HIGHSIDE_5V_25C(LEVEL|HIGHSIDE/SW/5/12///@R_HIGHSIDE_5V_25C)





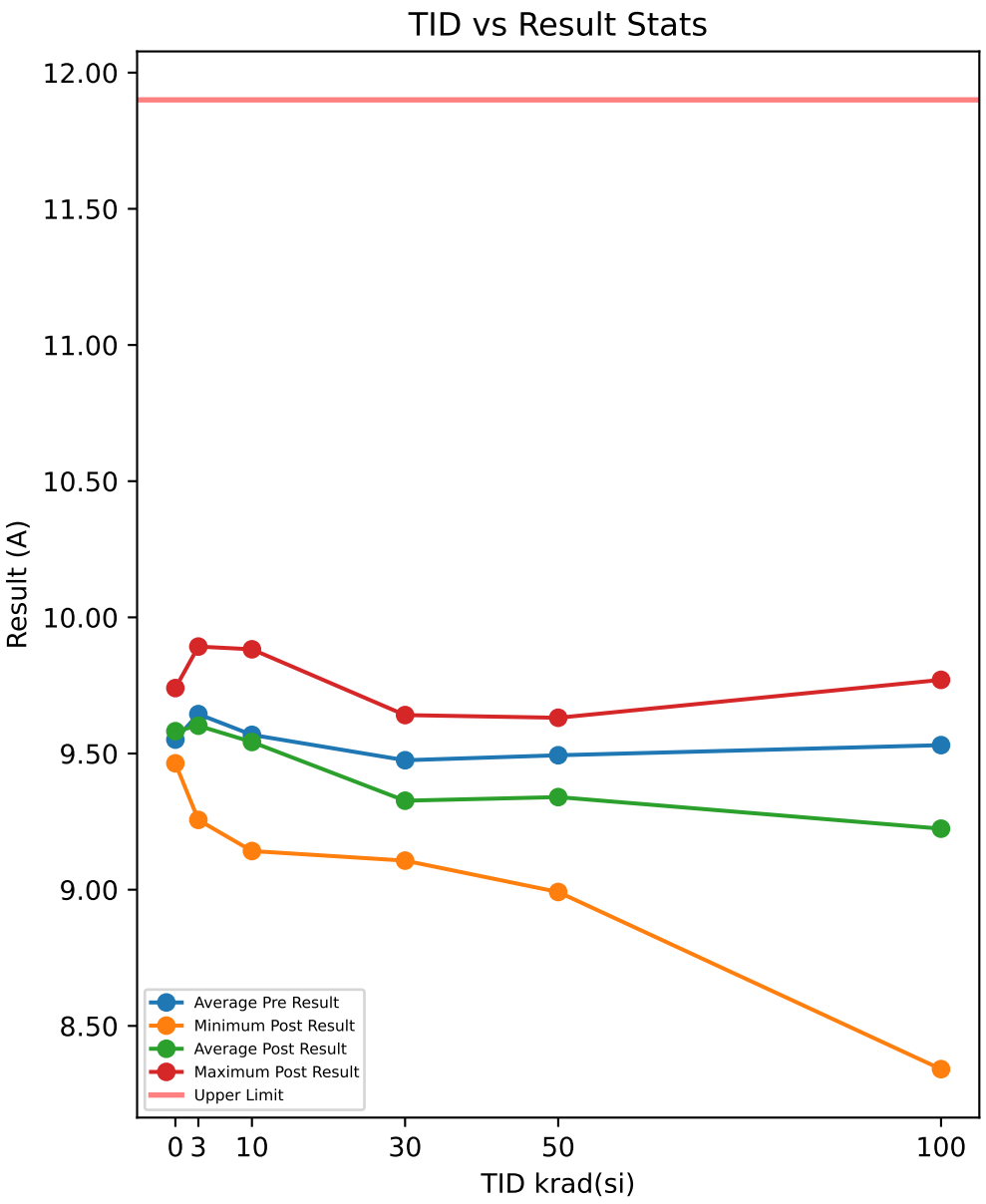
Test Results (Upper Limit = 60.0 (mohm))

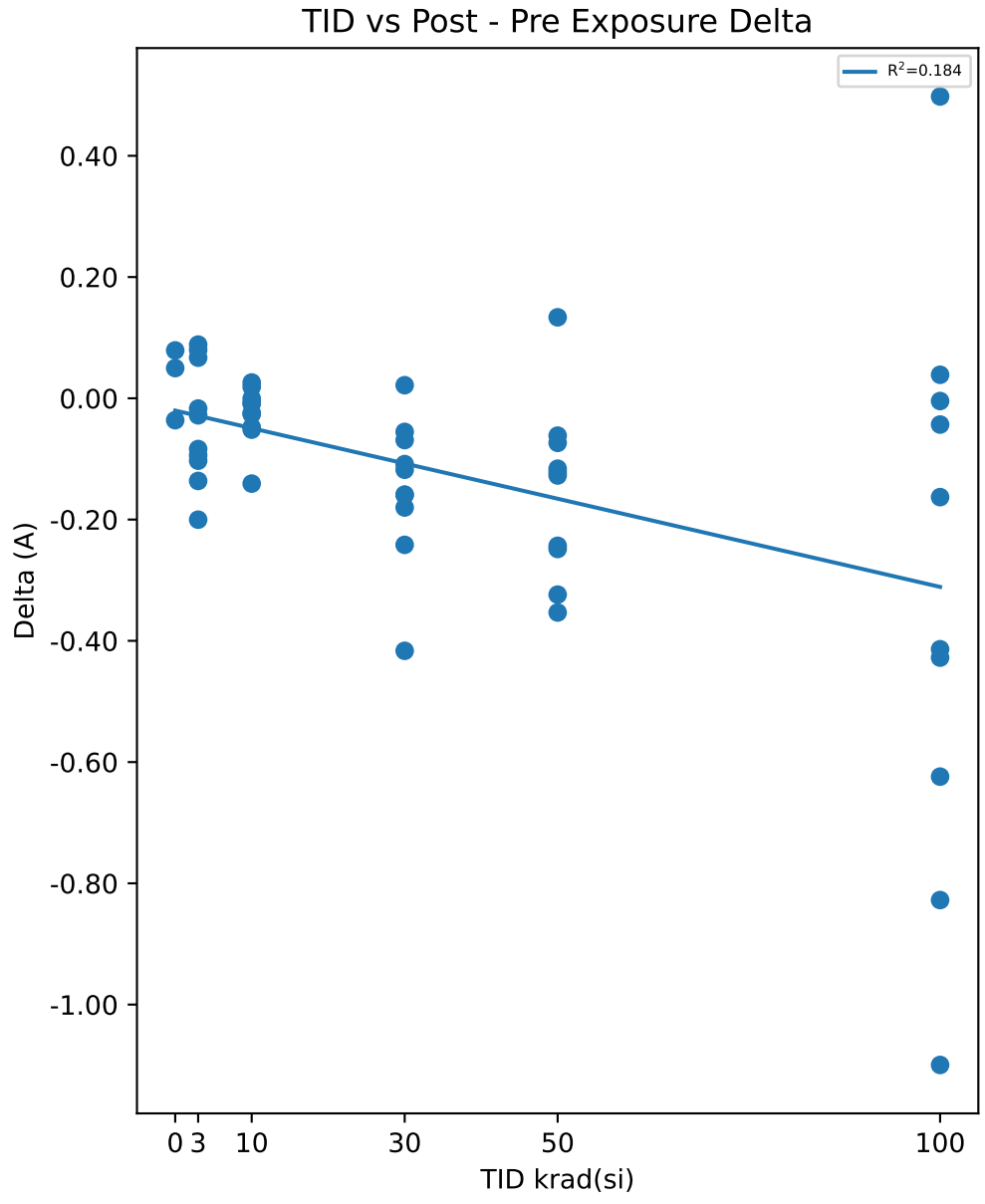
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
390	100	Biased	47.444	48.207	0.7632
392	100	Biased	47.27	48.014	0.7443
393	100	Biased	45.4	46.229	0.8291
394	100	Biased	46.773	47.474	0.7015
395	100	Biased	46.172	46.7	0.5282
412	100	Unbiased	46.601	47.303	0.7023
413	100	Unbiased	45.224	45.87	0.6462
414	100	Unbiased	44.893	45.923	1.0296
415	100	Unbiased	46.34	50.118	3.778
416	100	Unbiased	47.517	48.019	0.502
417	50	Biased	47.043	47.498	0.455
418	50	Biased	47.386	47.886	0.5005
419	50	Biased	45.476	46.011	0.5344
421	50	Biased	46.675	47.181	0.505
422	50	Biased	45.169	45.698	0.5285
423	50	Unbiased	46.681	46.923	0.2421
424	50	Unbiased	47.053	47.666	0.6123
425	50	Unbiased	44.708	45.136	0.4284
426	50	Unbiased	46.98	47.633	0.653
427	50	Unbiased	45.392	46.05	0.6571
463	0	Corr	46.649	46.708	0.059
464	0	Corr	46.636	46.738	0.1013
465	0	Corr	46.76	47.11	0.3496
466	30	Biased	46.184	46.712	0.5278
469	30	Biased	45.819	46.117	0.2976
470	30	Biased	46.362	46.789	0.4263
472	30	Biased	45.548	46.069	0.5206
474	30	Biased	47.3	47.818	0.5185
475	30	Unbiased	45.919	46.34	0.422
477	30	Unbiased	46.825	47.194	0.369
478	30	Unbiased	45.756	46.176	0.42
479	30	Unbiased	47.177	47.626	0.4483
480	30	Unbiased	46.137	46.552	0.415
481	10	Biased	45.903	46.047	0.144
482	10	Biased	44.99	45.192	0.2015
483	10	Biased	45.603	45.734	0.1316
484	10	Biased	44.524	44.774	0.25
485	10	Biased	45.901	46.084	0.1829
487	10	Unbiased	46.57	46.654	0.0836
488	10	Unbiased	46.6	46.865	0.265
489	10	Unbiased	45.132	45.428	0.2959
490	10	Unbiased	47.833	47.998	0.1646
491	10	Unbiased	45.556	45.789	0.2328
492	3	Biased	46.483	46.747	0.2631
493	3	Biased	45.492	45.725	0.2333
494	3	Biased	45.422	45.861	0.4388
495	3	Biased	46.425	46.599	0.1737
496	3	Biased	46.638	46.963	0.325
497	3	Unbiased	47.601	47.769	0.1681
498	3	Unbiased	44.844	45.092	0.2476
499	3	Unbiased	45.15	45.445	0.2957
500	3	Unbiased	45.439	45.523	0.084
502	3	Unbiased	46.984	46.865	-0.1194

Test Statistics (mohm)

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	46.636	46.682	46.76	0.068088	46.708	46.852	47.11	0.22388	0.059	0.16997	0.3496	0.157
3	44.844	46.048	47.601	0.90033	45.092	46.259	47.769	0.85014	-0.1194	0.21099	0.4388	0.15097
10	44.524	45.861	47.833	0.95331	44.774	46.057	47.998	0.92757	0.0836	0.19519	0.2959	0.066397
30	45.548	46.303	47.3	0.60787	46.069	46.739	47.818	0.62426	0.2976	0.43651	0.5278	0.072396
50	44.708	46.256	47.386	0.96274	45.136	46.768	47.886	0.96766	0.2421	0.51163	0.6571	0.12249
100	44.893	46.363	47.517	0.94092	45.87	47.386	50.118	1.2993	0.502	1.0224	3.778	0.97964

Device Test: 20.39 HIGHSIDE_CURR_LIM_9A(THRESHOLD|RISE/SW/5////@HIGHSIDE_CURR_LIM_9A)





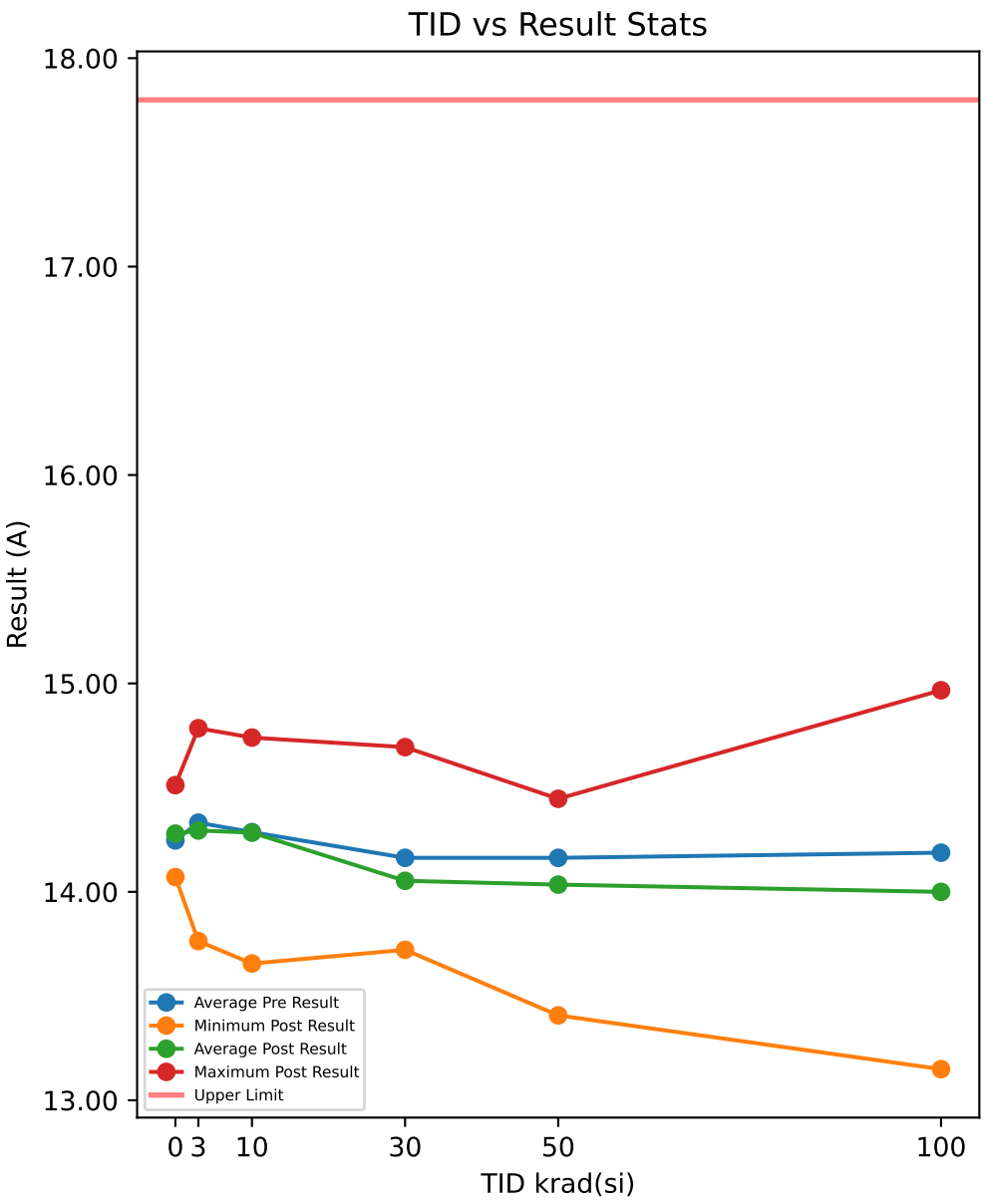
Test Results (Upper Limit = 11.9 (A))

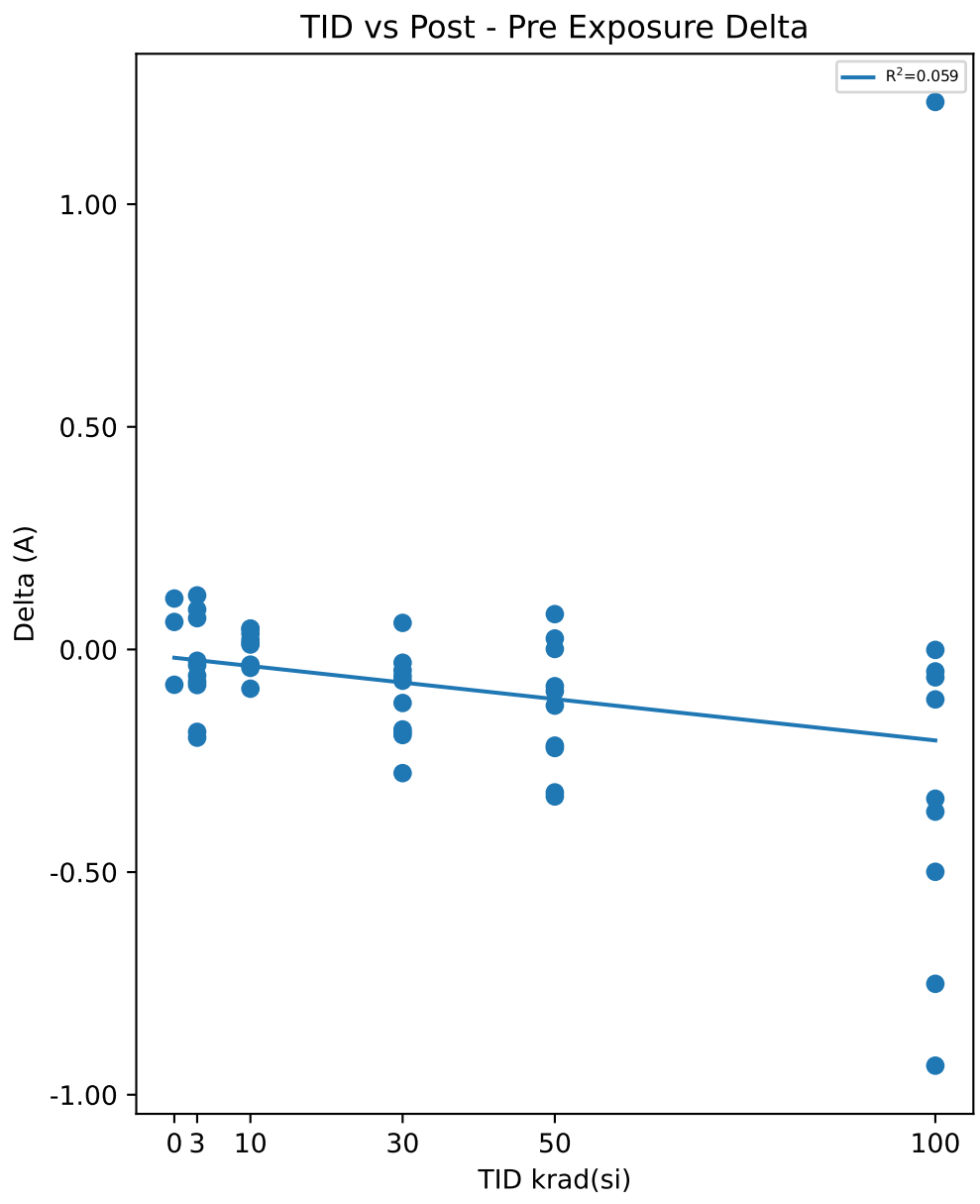
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
390	100	Biased	9.6755	9.2478	-0.4277
392	100	Biased	9.5423	8.7147	-0.8276
393	100	Biased	9.4326	8.8086	-0.624
394	100	Biased	9.4408	8.3412	-1.0996
395	100	Biased	9.565	9.1511	-0.4139
412	100	Unbiased	9.6899	9.6854	-0.0045
413	100	Unbiased	9.6463	9.4833	-0.163
414	100	Unbiased	9.5671	9.6059	0.0388
415	100	Unbiased	9.2727	9.7705	0.4978
416	100	Unbiased	9.4758	9.4325	-0.0433
417	50	Biased	9.1349	9.0076	-0.1273
418	50	Biased	9.3756	9.0223	-0.3533
419	50	Biased	9.6145	9.2907	-0.3238
421	50	Biased	9.8251	9.5766	-0.2485
422	50	Biased	9.8746	9.6313	-0.2433
423	50	Unbiased	9.4659	9.5995	0.1336
424	50	Unbiased	9.6124	9.4905	-0.1219
425	50	Unbiased	9.536	9.4744	-0.0616
426	50	Unbiased	9.4323	9.3162	-0.1161
427	50	Unbiased	9.0651	8.9916	-0.0735
463	0	Corr	9.4625	9.5415	0.079
464	0	Corr	9.6906	9.7404	0.0498
465	0	Corr	9.5001	9.464	-0.0361
466	30	Biased	9.3116	9.1315	-0.1801
469	30	Biased	9.298	9.1802	-0.1178
470	30	Biased	9.7197	9.3032	-0.4165
472	30	Biased	9.8204	9.5787	-0.2417
474	30	Biased	9.8005	9.6412	-0.1593
475	30	Unbiased	9.2657	9.1068	-0.1589
477	30	Unbiased	9.2787	9.1702	-0.1085
478	30	Unbiased	9.3784	9.4	0.0216
479	30	Unbiased	9.5047	9.4358	-0.0689
480	30	Unbiased	9.3757	9.3203	-0.0554
481	10	Biased	9.6831	9.7018	0.0187
482	10	Biased	9.3568	9.3051	-0.0517
483	10	Biased	9.6327	9.625	-0.0077
484	10	Biased	9.5285	9.3878	-0.1407
485	10	Biased	9.1159	9.142	0.0261
487	10	Unbiased	9.6435	9.6346	-0.0089
488	10	Unbiased	9.5601	9.5124	-0.0477
489	10	Unbiased	9.6167	9.5926	-0.0241
490	10	Unbiased	9.6657	9.6394	-0.0263
491	10	Unbiased	9.883	9.8827	-0.0003
492	3	Biased	9.4116	9.3835	-0.0281
493	3	Biased	9.4019	9.2656	-0.1363
494	3	Biased	9.92	9.7198	-0.2002
495	3	Biased	9.9867	9.8927	-0.094
496	3	Biased	9.9034	9.8865	-0.0169
497	3	Unbiased	9.1677	9.2563	0.0886
498	3	Unbiased	9.7227	9.6198	-0.1029
499	3	Unbiased	9.3703	9.2866	-0.0837
500	3	Unbiased	9.782	9.849	0.067
502	3	Unbiased	9.7818	9.8617	0.0799

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	9.4625	9.5511	9.6906	0.12229	9.464	9.582	9.7404	0.14257	-0.0361	0.0309	0.079	0.059832
3	9.1677	9.6448	9.9867	0.28275	9.2563	9.6021	9.8927	0.27648	-0.2002	-0.04266	0.0886	0.098142
10	9.1159	9.5686	9.883	0.2068	9.142	9.5423	9.8827	0.21341	-0.1407	-0.02626	0.0261	0.047482
30	9.2657	9.4753	9.8204	0.2225	9.1068	9.3268	9.6412	0.1864	-0.4165	-0.14855	0.0216	0.11936
50	9.0651	9.4936	9.8746	0.26168	8.9916	9.3401	9.6313	0.25488	-0.3533	-0.15357	0.1336	0.1439
100	9.2727	9.5308	9.6899	0.12892	8.3412	9.2241	9.7705	0.46967	-1.0996	-0.3067	0.4978	0.46842

Device Test: 20.40 HIGHSIDE_CURR_LIM_13A(THRESHOLD|RISE/SW/5////@HIGHSIDE_CURR_LIM_13A)





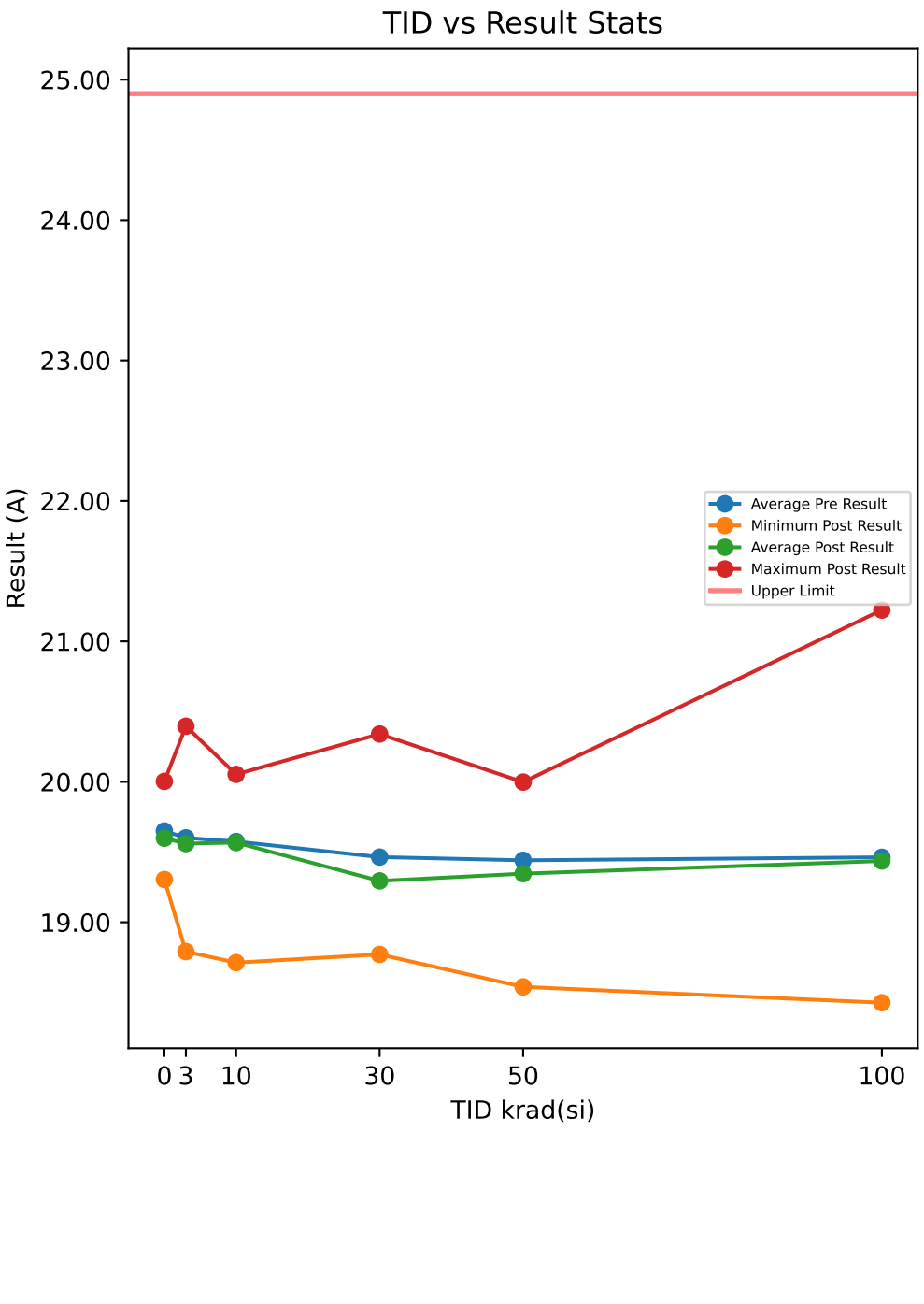
Test Results (Upper Limit = 17.8 (A))

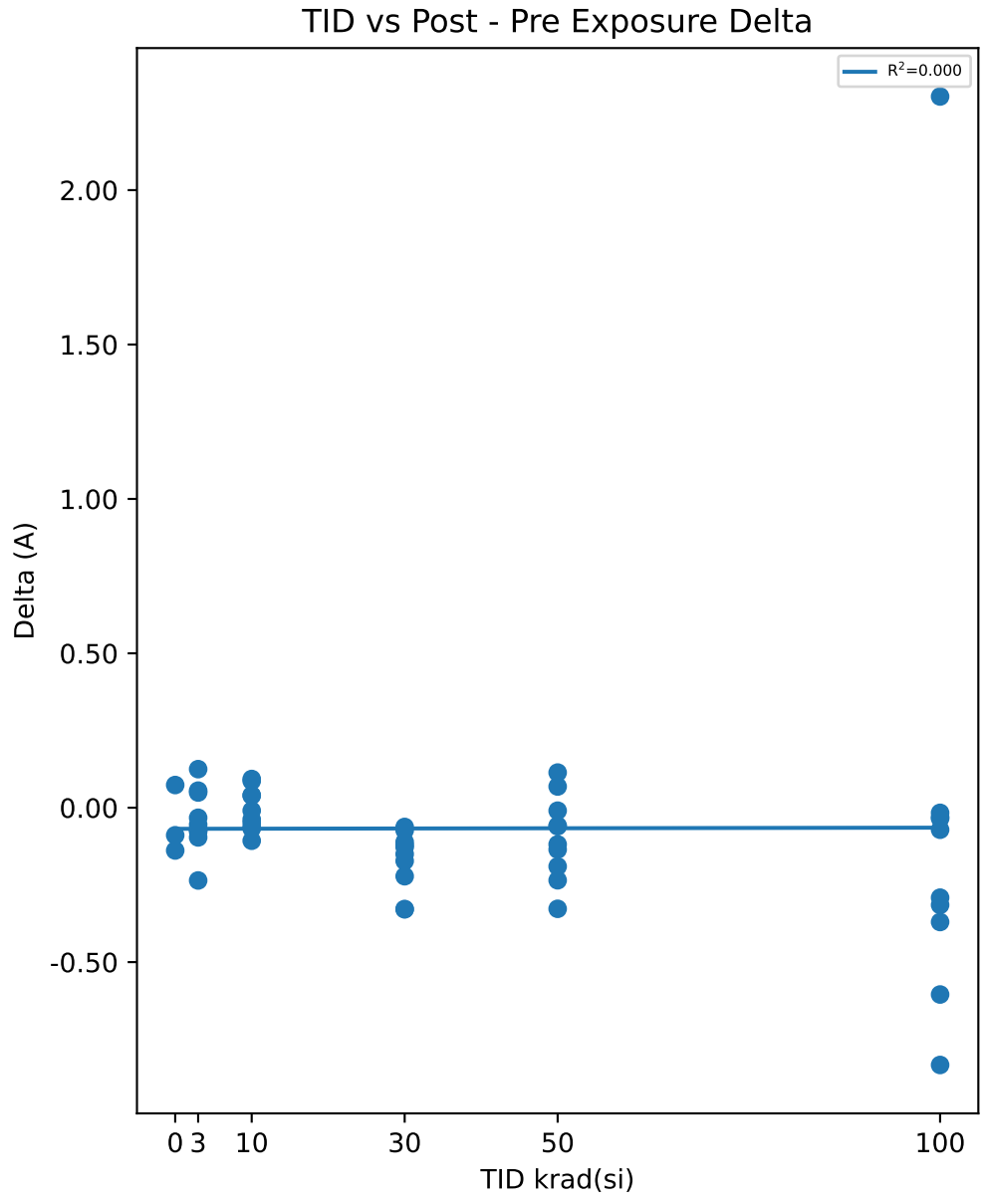
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
390	100	Biased	14.452	14.117	-0.3352
392	100	Biased	14.234	13.483	-0.7509
393	100	Biased	13.835	13.336	-0.4993
394	100	Biased	14.084	13.149	-0.9347
395	100	Biased	14.32	13.956	-0.3642
412	100	Unbiased	14.415	14.366	-0.0493
413	100	Unbiased	14.335	14.223	-0.1122
414	100	Unbiased	14.321	14.32	-0.001
415	100	Unbiased	13.738	14.967	1.2296
416	100	Unbiased	14.143	14.08	-0.0627
417	50	Biased	13.645	13.646	0.0011
418	50	Biased	14.049	13.719	-0.3301
419	50	Biased	14.408	14.087	-0.321
421	50	Biased	14.642	14.42	-0.2213
422	50	Biased	14.573	14.447	-0.1261
423	50	Unbiased	14.133	14.212	0.0794
424	50	Unbiased	14.333	14.25	-0.0825
425	50	Unbiased	14.111	14.136	0.0246
426	50	Unbiased	14.116	14.023	-0.0937
427	50	Unbiased	13.623	13.407	-0.216
463	0	Corr	14.192	14.254	0.0618
464	0	Corr	14.398	14.512	0.1144
465	0	Corr	14.15	14.071	-0.0793
466	30	Biased	13.997	13.811	-0.1861
469	30	Biased	13.966	13.774	-0.1922
470	30	Biased	14.372	14.094	-0.2777
472	30	Biased	14.642	14.462	-0.1796
474	30	Biased	14.814	14.694	-0.1202
475	30	Unbiased	13.857	13.81	-0.0469
477	30	Unbiased	13.752	13.722	-0.0298
478	30	Unbiased	14.014	14.073	0.0597
479	30	Unbiased	14.335	14.265	-0.0702
480	30	Unbiased	13.884	13.825	-0.0598
481	10	Biased	14.465	14.476	0.0111
482	10	Biased	13.989	13.954	-0.0357
483	10	Biased	14.402	14.368	-0.0341
484	10	Biased	14.067	14.102	0.0356
485	10	Biased	13.744	13.656	-0.0881
487	10	Unbiased	14.392	14.414	0.022
488	10	Unbiased	14.283	14.329	0.0464
489	10	Unbiased	14.378	14.392	0.0144
490	10	Unbiased	14.452	14.41	-0.0413
491	10	Unbiased	14.693	14.74	0.0469
492	3	Biased	13.963	13.927	-0.0355
493	3	Biased	13.789	13.764	-0.0254
494	3	Biased	14.634	14.436	-0.1981
495	3	Biased	14.709	14.78	0.0703
496	3	Biased	14.857	14.785	-0.0724
497	3	Unbiased	13.879	13.821	-0.0588
498	3	Unbiased	14.459	14.274	-0.185
499	3	Unbiased	13.91	13.83	-0.0799
500	3	Unbiased	14.492	14.614	0.1214
502	3	Unbiased	14.625	14.715	0.0898

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	14.15	14.247	14.398	0.13239	14.071	14.279	14.512	0.22161	-0.0793	0.0323	0.1144	0.10016
3	13.789	14.332	14.857	0.40164	13.764	14.294	14.785	0.42586	-0.1981	-0.03736	0.1214	0.10762
10	13.744	14.287	14.693	0.27654	13.656	14.284	14.74	0.30464	-0.0881	-0.00228	0.0469	0.045077
30	13.752	14.163	14.814	0.35847	13.722	14.053	14.694	0.33055	-0.2777	-0.11028	0.0597	0.099406
50	13.623	14.163	14.642	0.34394	13.407	14.035	14.447	0.34221	-0.3301	-0.12856	0.0794	0.14172
100	13.738	14.188	14.452	0.2405	13.149	14	14.967	0.54524	-0.9347	-0.18799	1.2296	0.58777

Device Test: 20.41 HIGHSIDE_CURR_LIM_19A(THRESHOLD|RISE/SW/5////@HIGHSIDE_CURR_LIM_19A)





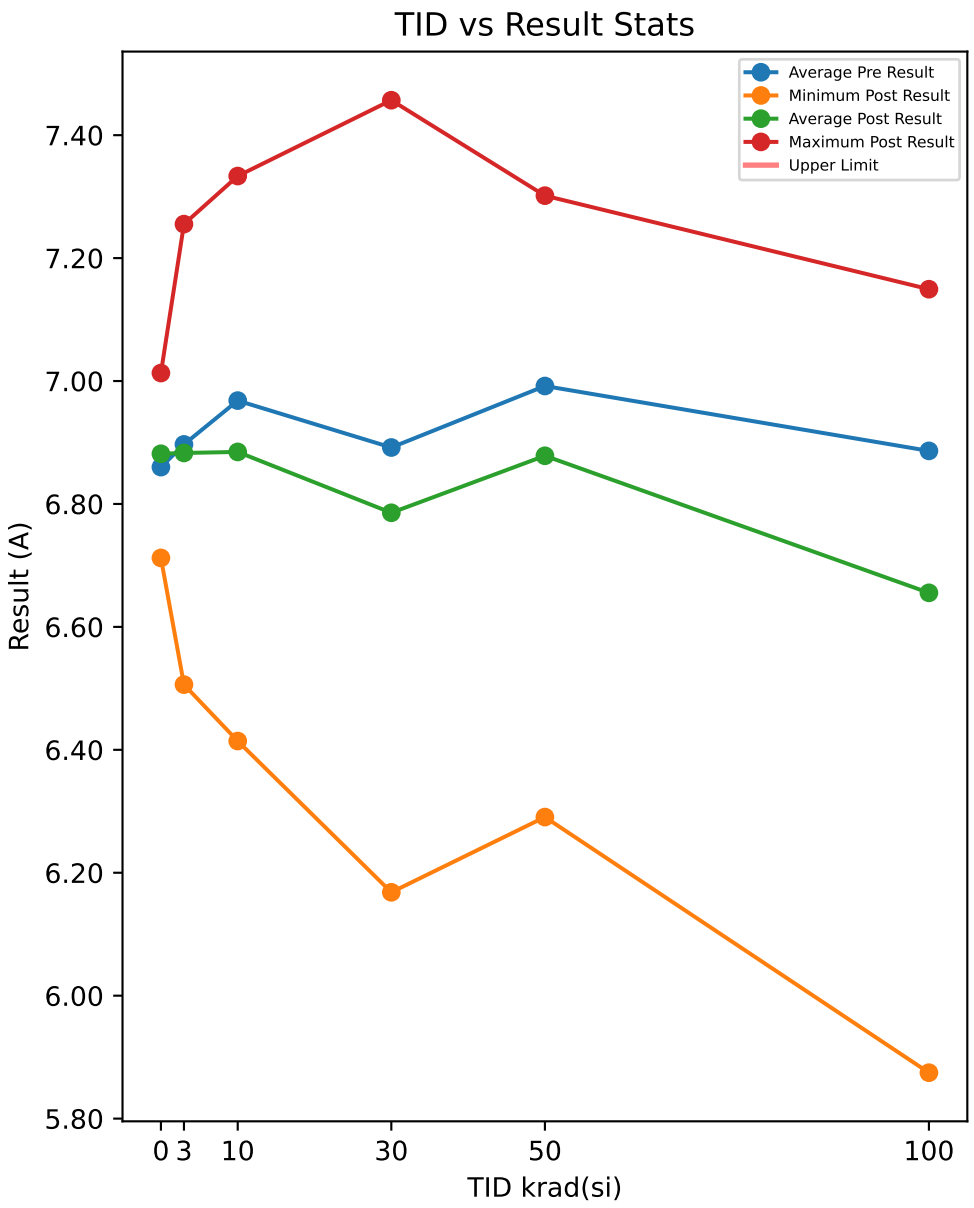
Test Results (Upper Limit = 24.9 (A))

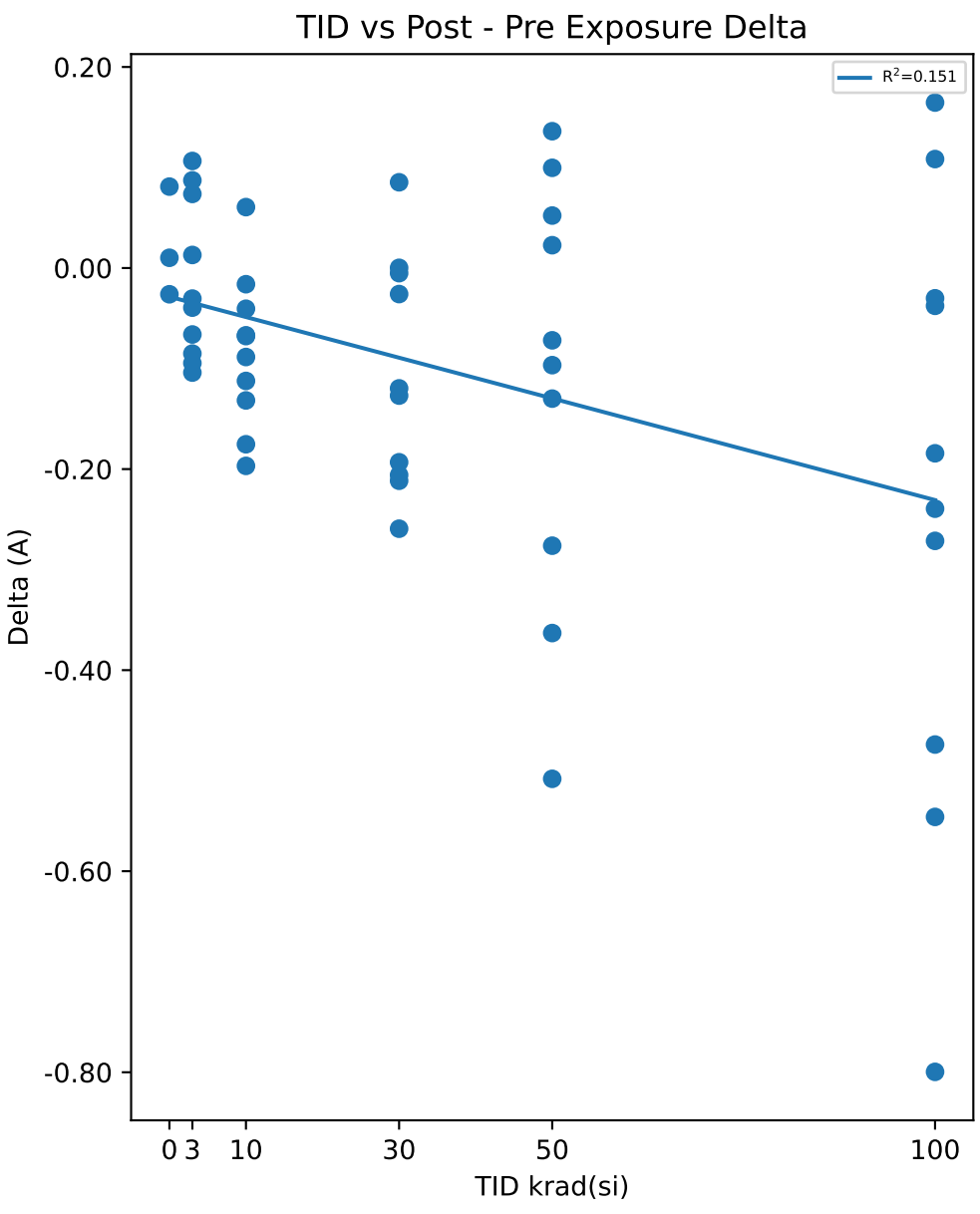
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
390	100	Biased	19.985	19.694	-0.2913
392	100	Biased	19.545	18.94	-0.6049
393	100	Biased	18.797	18.427	-0.3701
394	100	Biased	19.44	18.607	-0.8331
395	100	Biased	19.518	19.203	-0.3149
412	100	Unbiased	19.861	19.79	-0.0713
413	100	Unbiased	19.501	19.471	-0.0304
414	100	Unbiased	19.68	19.663	-0.0166
415	100	Unbiased	18.92	21.223	2.3032
416	100	Unbiased	19.377	19.343	-0.0348
417	50	Biased	18.905	18.896	-0.0096
418	50	Biased	19.24	19.005	-0.235
419	50	Biased	19.78	19.453	-0.3274
421	50	Biased	20.117	19.998	-0.1187
422	50	Biased	19.884	19.825	-0.0599
423	50	Unbiased	19.368	19.482	0.1138
424	50	Unbiased	19.558	19.499	-0.0582
425	50	Unbiased	19.395	19.464	0.0687
426	50	Unbiased	19.434	19.299	-0.1354
427	50	Unbiased	18.73	18.54	-0.1901
463	0	Corr	19.415	19.488	0.0735
464	0	Corr	20.092	20.003	-0.0892
465	0	Corr	19.443	19.304	-0.1385
466	30	Biased	19.267	18.938	-0.3287
469	30	Biased	19.164	18.992	-0.1724
470	30	Biased	19.782	19.453	-0.3286
472	30	Biased	20.072	19.945	-0.1275
474	30	Biased	20.403	20.34	-0.0623
475	30	Unbiased	18.992	18.841	-0.1502
477	30	Unbiased	18.844	18.771	-0.0733
478	30	Unbiased	19.285	19.164	-0.1211
479	30	Unbiased	19.729	19.507	-0.2219
480	30	Unbiased	19.102	18.991	-0.1108
481	10	Biased	19.758	19.749	-0.0094
482	10	Biased	19.134	19.096	-0.0378
483	10	Biased	19.624	19.664	0.0402
484	10	Biased	19.255	19.187	-0.0674
485	10	Biased	18.673	18.712	0.0393
487	10	Unbiased	19.763	19.85	0.0867
488	10	Unbiased	19.795	19.731	-0.0638
489	10	Unbiased	19.778	19.671	-0.1069
490	10	Unbiased	19.868	19.961	0.093
491	10	Unbiased	20.102	20.053	-0.049
492	3	Biased	19.043	18.971	-0.0712
493	3	Biased	18.846	18.791	-0.0548
494	3	Biased	19.943	19.708	-0.2356
495	3	Biased	20.302	20.352	0.0492
496	3	Biased	20.465	20.395	-0.07
497	3	Unbiased	18.978	18.945	-0.0326
498	3	Unbiased	19.692	19.614	-0.0774
499	3	Unbiased	18.964	18.868	-0.0962
500	3	Unbiased	19.742	19.867	0.1249
502	3	Unbiased	20.033	20.088	0.0553

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	19.415	19.65	20.092	0.38318	19.304	19.598	20.003	0.36211	-0.1385	-0.0514	0.0735	0.11094
3	18.846	19.601	20.465	0.60067	18.791	19.56	20.395	0.62517	-0.2356	-0.04084	0.1249	0.099548
10	18.673	19.575	20.102	0.42624	18.712	19.567	20.053	0.4279	-0.1069	-0.00751	0.093	0.068897
30	18.844	19.464	20.403	0.50783	18.771	19.294	20.34	0.51573	-0.3287	-0.16968	-0.0623	0.0955
50	18.73	19.441	20.117	0.42458	18.54	19.346	19.998	0.43368	-0.3274	-0.09518	0.1138	0.13545
100	18.797	19.463	19.985	0.37066	18.427	19.436	21.223	0.77828	-0.8331	-0.02642	2.3032	0.86192

Device Test: 20.42 HIGHSIDE_CURR_LIM2_6A(THRESHOLD|RISE/SW/5////@HIGHSIDE_CURR_LIM2_6A)





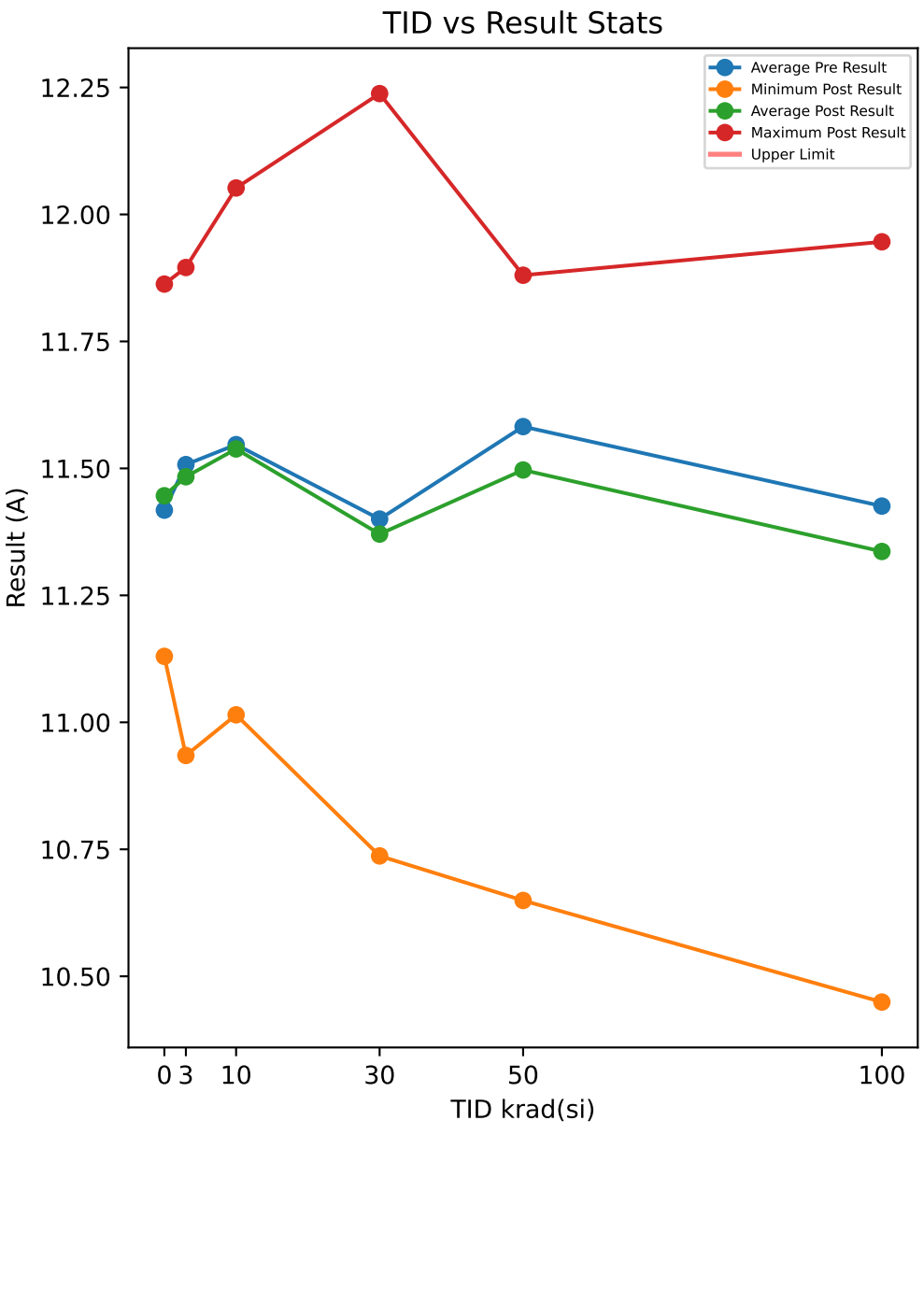
Test Results (No Limits Specified (A))

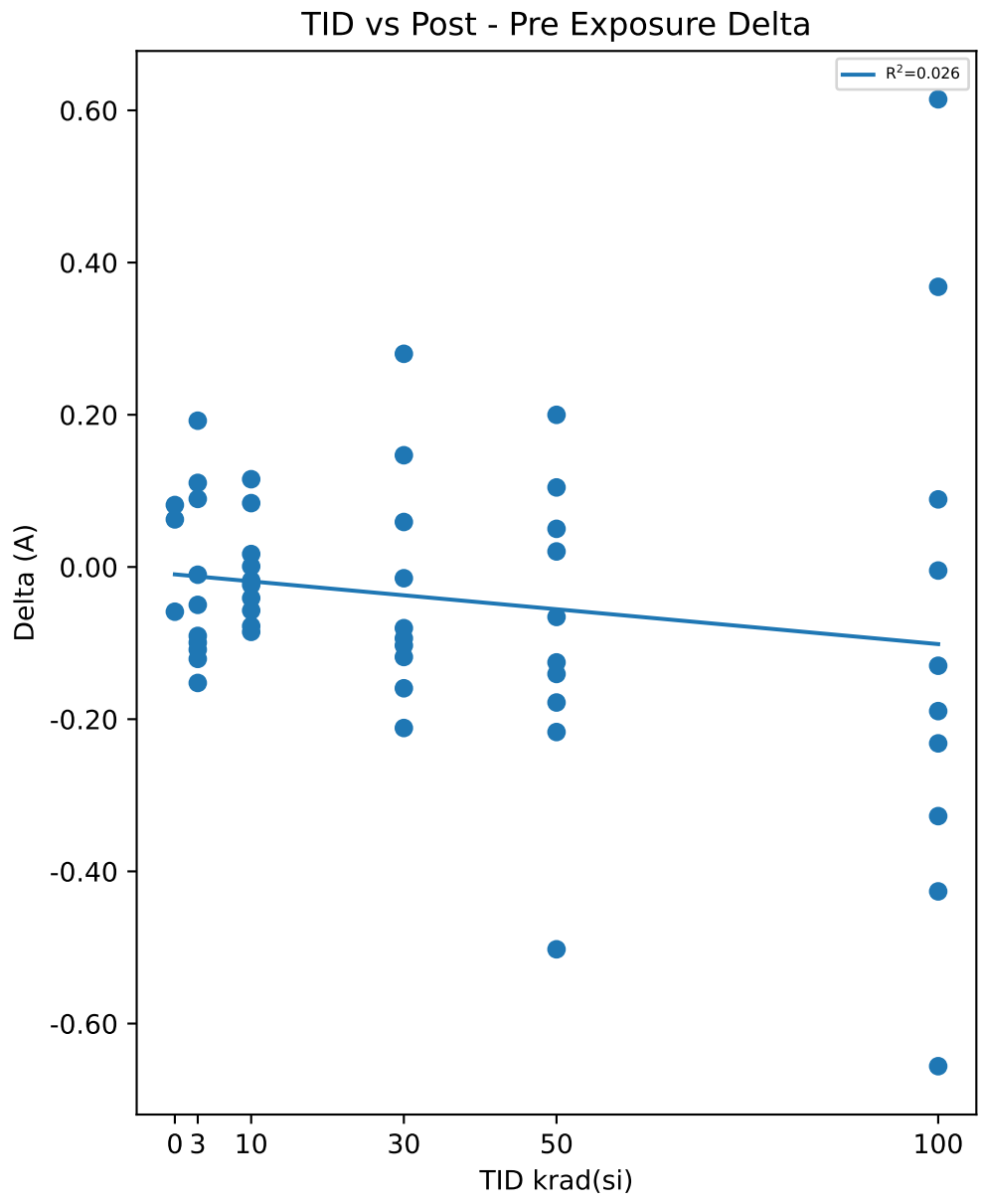
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
390	100	Biased	7.187	7.1494	-0.0376
392	100	Biased	7.2622	6.7162	-0.546
393	100	Biased	6.8194	6.984	0.1646
394	100	Biased	6.6743	5.8747	-0.7996
395	100	Biased	6.74	6.5557	-0.1843
412	100	Unbiased	6.861	6.8309	-0.0301
413	100	Unbiased	7.2273	6.9879	-0.2394
414	100	Unbiased	6.5932	6.1192	-0.474
415	100	Unbiased	6.5057	6.6141	0.1084
416	100	Unbiased	6.9935	6.7221	-0.2714
417	50	Biased	6.6729	6.7251	0.0522
418	50	Biased	7.086	7.2221	0.1361
419	50	Biased	6.7987	6.2906	-0.5081
421	50	Biased	6.9116	6.9343	0.0227
422	50	Biased	7.1925	7.0626	-0.1299
423	50	Unbiased	7.2019	7.3016	0.0997
424	50	Unbiased	6.8826	6.5195	-0.3631
425	50	Unbiased	7.0152	6.739	-0.2762
426	50	Unbiased	7.1238	7.0272	-0.0966
427	50	Unbiased	7.0339	6.962	-0.0719
463	0	Corr	6.9096	6.9198	0.0102
464	0	Corr	6.6312	6.7122	0.081
465	0	Corr	7.0391	7.013	-0.0261
466	30	Biased	6.6879	6.482	-0.2059
469	30	Biased	6.9936	7.0789	0.0853
470	30	Biased	6.7232	6.53	-0.1932
472	30	Biased	7.0169	7.0171	0.0002
474	30	Biased	7.462	7.4569	-0.0051
475	30	Unbiased	6.7699	6.643	-0.1269
477	30	Unbiased	6.6765	6.6506	-0.0259
478	30	Unbiased	6.4275	6.1682	-0.2593
479	30	Unbiased	7.2975	7.0859	-0.2116
480	30	Unbiased	6.8635	6.7438	-0.1197
481	10	Biased	7.1427	6.9459	-0.1968
482	10	Biased	6.7122	6.6453	-0.0669
483	10	Biased	7.3496	7.3335	-0.0161
484	10	Biased	7.2144	7.1467	-0.0677
485	10	Biased	6.9837	6.852	-0.1317
487	10	Unbiased	6.5028	6.4143	-0.0885
488	10	Unbiased	6.7812	6.6689	-0.1123
489	10	Unbiased	6.9812	6.8059	-0.1753
490	10	Unbiased	6.8836	6.9442	0.0606
491	10	Unbiased	7.1303	7.0898	-0.0405
492	3	Biased	6.8241	6.8978	0.0737
493	3	Biased	6.9297	6.8903	-0.0394
494	3	Biased	6.648	6.544	-0.104
495	3	Biased	7.0635	7.17	0.1065
496	3	Biased	6.7821	6.697	-0.0851
497	3	Unbiased	6.8781	6.8477	-0.0304
498	3	Unbiased	6.5722	6.5061	-0.0661
499	3	Unbiased	7.1963	7.1017	-0.0946
500	3	Unbiased	7.2423	7.2553	0.013
502	3	Unbiased	6.8324	6.9196	0.0872

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	6.6312	6.86	7.0391	0.20843	6.7122	6.8817	7.013	0.15398	-0.0261	0.0217	0.081	0.054468
3	6.5722	6.8969	7.2423	0.21811	6.5061	6.8829	7.2553	0.25016	-0.104	-0.01392	0.1065	0.079206
10	6.5028	6.9682	7.3496	0.25549	6.4143	6.8847	7.3335	0.26912	-0.1968	-0.08352	0.0606	0.076102
30	6.4275	6.8918	7.462	0.30972	6.1682	6.7856	7.4569	0.37408	-0.2593	-0.10621	0.0853	0.11418
50	6.6729	6.9919	7.2019	0.17333	6.2906	6.8784	7.3016	0.31281	-0.5081	-0.11351	0.1361	0.21096
100	6.5057	6.8864	7.2622	0.27115	5.8747	6.6554	7.1494	0.39583	-0.7996	-0.23094	0.1646	0.30458

Device Test: 20.43 HIGHSIDE_CURR_LIM2_9A(THRESHOLD|RISE/SW/5////@HIGHSIDE_CURR_LIM2_9A)





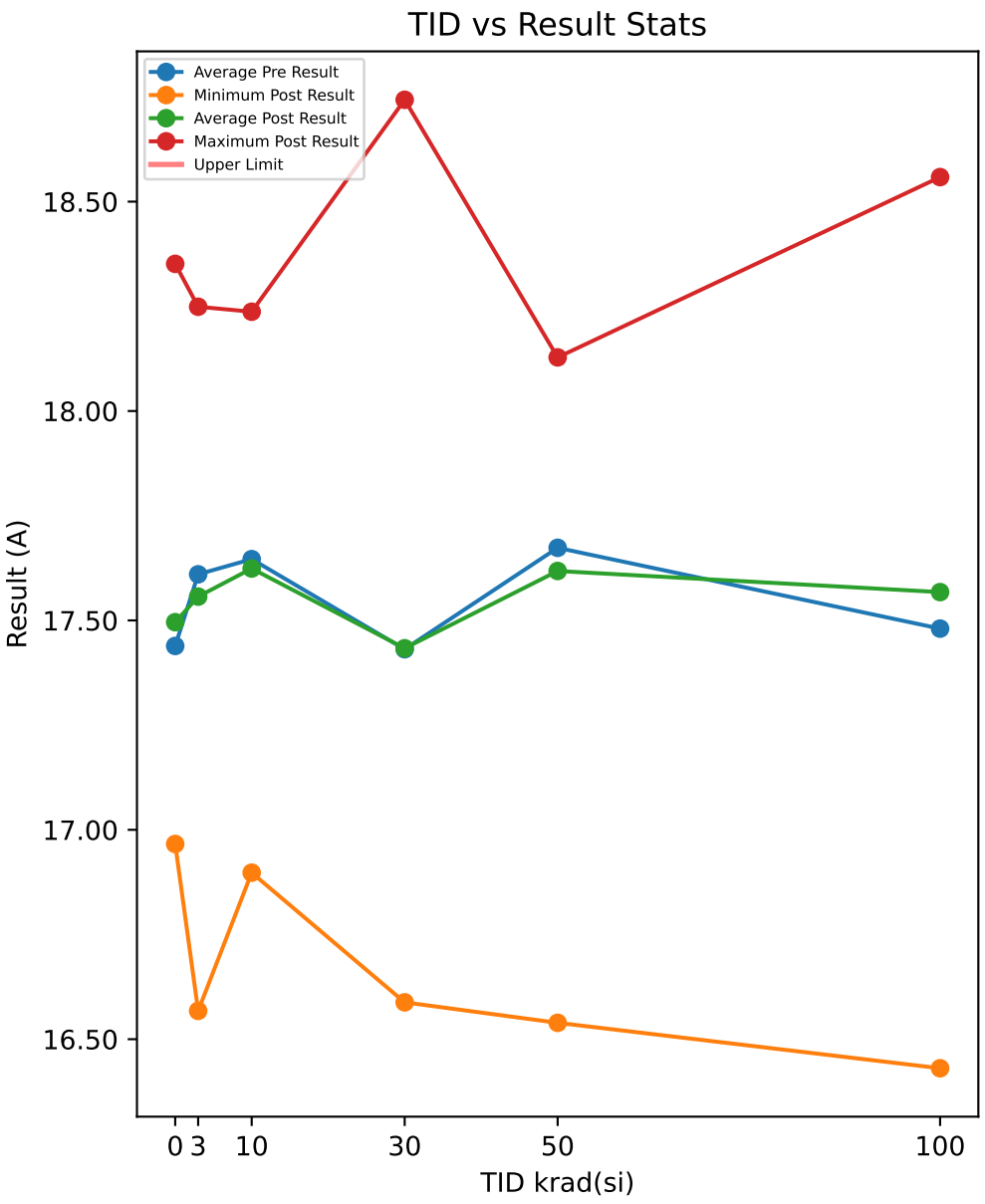
Test Results (No Limits Specified (A))

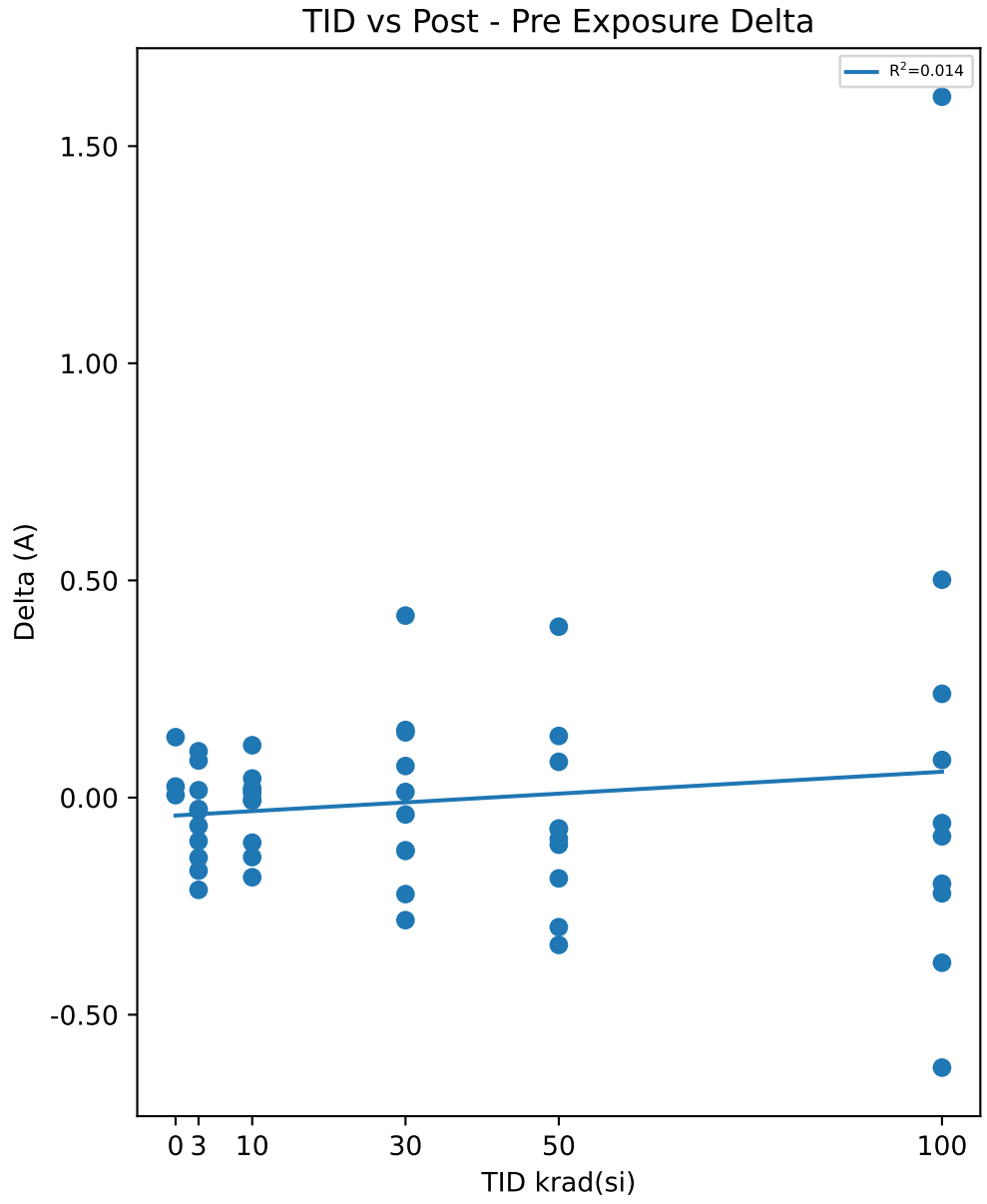
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
390	100	Biased	11.857	11.946	0.0888
392	100	Biased	11.974	11.547	-0.4263
393	100	Biased	11.395	11.763	0.3681
394	100	Biased	11.105	10.449	-0.656
395	100	Biased	11.347	11.158	-0.1894
412	100	Unbiased	11.376	11.372	-0.0047
413	100	Unbiased	11.832	11.703	-0.1298
414	100	Unbiased	11.054	10.727	-0.3274
415	100	Unbiased	11.008	11.623	0.6145
416	100	Unbiased	11.309	11.077	-0.2318
417	50	Biased	11.323	11.373	0.0501
418	50	Biased	11.68	11.88	0.1999
419	50	Biased	11.152	10.649	-0.5024
421	50	Biased	11.547	11.482	-0.0657
422	50	Biased	11.94	11.799	-0.1406
423	50	Unbiased	11.762	11.867	0.1045
424	50	Unbiased	11.179	10.962	-0.2169
425	50	Unbiased	11.783	11.605	-0.1781
426	50	Unbiased	11.771	11.645	-0.1254
427	50	Unbiased	11.685	11.706	0.0204
463	0	Corr	11.264	11.346	0.0814
464	0	Corr	11.067	11.13	0.0625
465	0	Corr	11.922	11.863	-0.0588
466	30	Biased	11.068	10.856	-0.2116
469	30	Biased	11.588	11.735	0.1468
470	30	Biased	11.342	11.182	-0.1594
472	30	Biased	11.717	11.703	-0.0148
474	30	Biased	12.179	12.238	0.0591
475	30	Unbiased	11.177	11.058	-0.1183
477	30	Unbiased	10.874	11.154	0.2801
478	30	Unbiased	10.831	10.737	-0.0938
479	30	Unbiased	11.943	11.84	-0.1032
480	30	Unbiased	11.284	11.203	-0.0804
481	10	Biased	11.678	11.62	-0.0572
482	10	Biased	11.507	11.43	-0.0777
483	10	Biased	12.093	12.052	-0.0409
484	10	Biased	11.849	11.764	-0.0853
485	10	Biased	11.618	11.619	0.0008
487	10	Unbiased	11.038	11.015	-0.0236
488	10	Unbiased	11.1	11.082	-0.0177
489	10	Unbiased	11.43	11.545	0.1153
490	10	Unbiased	11.407	11.491	0.0839
491	10	Unbiased	11.748	11.765	0.017
492	3	Biased	11.818	11.666	-0.1524
493	3	Biased	11.634	11.624	-0.0102
494	3	Biased	11.025	10.935	-0.0906
495	3	Biased	11.806	11.896	0.0894
496	3	Biased	11.347	11.238	-0.1086
497	3	Unbiased	11.427	11.377	-0.0498
498	3	Unbiased	11.126	11.027	-0.0994
499	3	Unbiased	11.946	11.826	-0.1208
500	3	Unbiased	11.671	11.864	0.1922
502	3	Unbiased	11.274	11.384	0.1105

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	11.067	11.418	11.922	0.44737	11.13	11.446	11.863	0.3767	-0.0588	0.028367	0.0814	0.076078
3	11.025	11.507	11.946	0.31379	10.935	11.484	11.896	0.34565	-0.1524	-0.02397	0.1922	0.11628
10	11.038	11.547	12.093	0.32412	11.015	11.538	12.052	0.31193	-0.0853	-0.00854	0.1153	0.065847
30	10.831	11.4	12.179	0.44916	10.737	11.371	12.238	0.48183	-0.2116	-0.02955	0.2801	0.15095
50	11.152	11.582	11.94	0.27337	10.649	11.497	11.88	0.40444	-0.5024	-0.08542	0.1999	0.19772
100	11.008	11.426	11.974	0.34801	10.449	11.336	11.946	0.4799	-0.656	-0.0894	0.6145	0.37517

Device Test: 20.44 HIGHSIDE_CURR_LIM2_13A(THRESHOLD|RISE/SW/5////@HIGHSIDE_CURR_LIM2_13A)





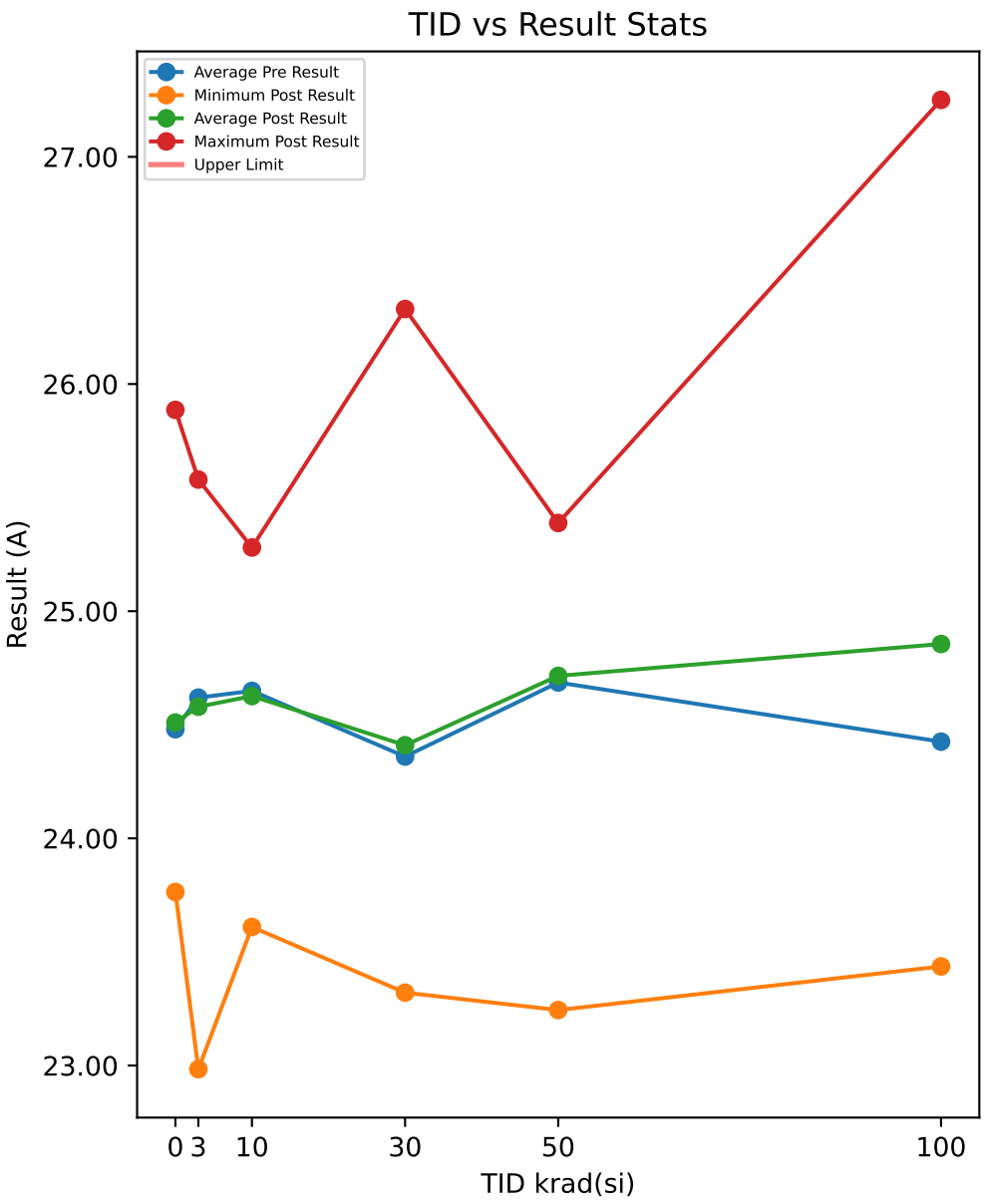
Test Results (No Limits Specified (A))

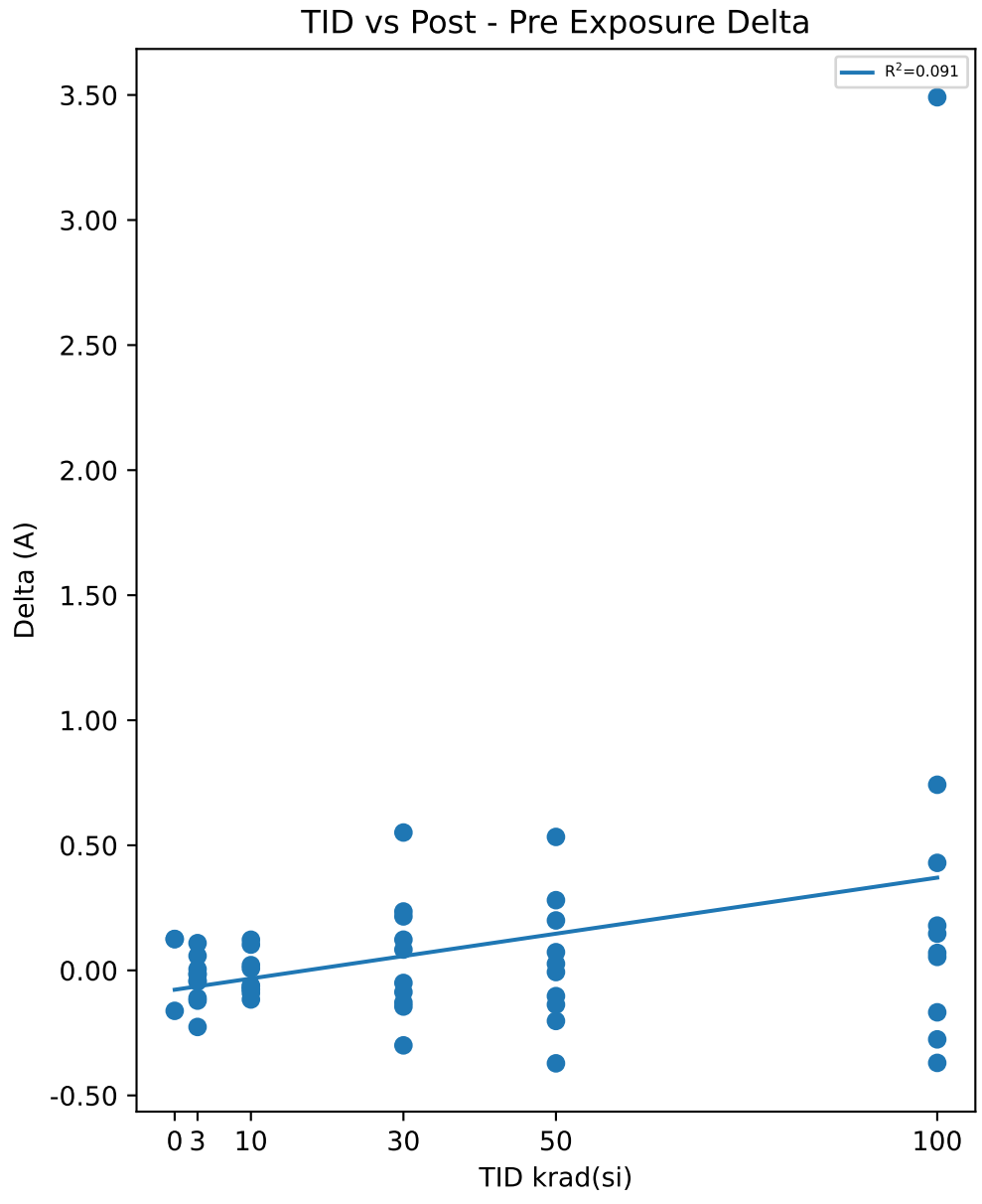
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
390	100	Biased	18.311	18.55	0.2389
392	100	Biased	18.226	18.006	-0.2206
393	100	Biased	17.626	18.128	0.5016
394	100	Biased	17.052	16.431	-0.6218
395	100	Biased	17.349	17.436	0.0866
412	100	Unbiased	17.336	17.247	-0.0893
413	100	Unbiased	17.86	17.801	-0.0588
414	100	Unbiased	17.042	16.662	-0.3803
415	100	Unbiased	16.945	18.559	1.6137
416	100	Unbiased	17.056	16.858	-0.1984
417	50	Biased	17.594	17.676	0.0823
418	50	Biased	17.735	18.128	0.3935
419	50	Biased	16.837	16.539	-0.2984
421	50	Biased	17.68	17.609	-0.0711
422	50	Biased	18.173	18.065	-0.1085
423	50	Unbiased	17.756	17.898	0.1419
424	50	Unbiased	17.148	16.808	-0.3393
425	50	Unbiased	18.08	17.894	-0.1861
426	50	Unbiased	17.901	17.806	-0.0949
427	50	Unbiased	17.83	17.757	-0.0728
463	0	Corr	17.031	17.17	0.1391
464	0	Corr	16.941	16.966	0.0255
465	0	Corr	18.346	18.351	0.0056
466	30	Biased	16.887	16.665	-0.2223
469	30	Biased	17.625	17.78	0.1556
470	30	Biased	17.572	17.45	-0.1213
472	30	Biased	17.819	17.969	0.1501
474	30	Biased	18.671	18.743	0.0727
475	30	Unbiased	16.927	16.94	0.0129
477	30	Unbiased	16.405	16.824	0.419
478	30	Unbiased	16.87	16.588	-0.2823
479	30	Unbiased	18.289	18.166	-0.1229
480	30	Unbiased	17.247	17.209	-0.039
481	10	Biased	17.998	17.894	-0.1038
482	10	Biased	17.771	17.781	0.0098
483	10	Biased	18.242	18.237	-0.0045
484	10	Biased	17.778	17.641	-0.1371
485	10	Biased	17.929	17.745	-0.1835
487	10	Unbiased	17.106	17.15	0.044
488	10	Unbiased	16.905	16.898	-0.0072
489	10	Unbiased	17.39	17.511	0.1205
490	10	Unbiased	17.493	17.515	0.0216
491	10	Unbiased	17.852	17.869	0.0165
492	3	Biased	18.186	18.121	-0.0652
493	3	Biased	17.758	17.775	0.0169
494	3	Biased	16.78	16.568	-0.2125
495	3	Biased	18.164	18.249	0.0853
496	3	Biased	17.251	17.221	-0.0302
497	3	Unbiased	17.585	17.558	-0.0264
498	3	Unbiased	17.144	17.005	-0.1386
499	3	Unbiased	18.13	17.962	-0.1682
500	3	Unbiased	17.718	17.825	0.1066
502	3	Unbiased	17.385	17.285	-0.1003

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	16.941	17.439	18.346	0.78657	16.966	17.496	18.351	0.74797	0.0056	0.056733	0.1391	0.072022
3	16.78	17.61	18.186	0.47486	16.568	17.557	18.249	0.53243	-0.2125	-0.05326	0.1066	0.10495
10	16.905	17.646	18.242	0.41688	16.898	17.624	18.237	0.38379	-0.1835	-0.02237	0.1205	0.091653
30	16.405	17.431	18.671	0.7016	16.588	17.433	18.743	0.71727	-0.2823	0.00225	0.419	0.20767
50	16.837	17.673	18.173	0.40601	16.539	17.618	18.128	0.52622	-0.3393	-0.05534	0.3935	0.2163
100	16.945	17.48	18.311	0.50453	16.431	17.568	18.559	0.76332	-0.6218	0.08716	1.6137	0.62137

Device Test: 20.45 HIGHSIDE_CURR_LIM2_19A(THRESHOLD|RISE/SW/5////@HIGHSIDE_CURR_LIM2_19A)





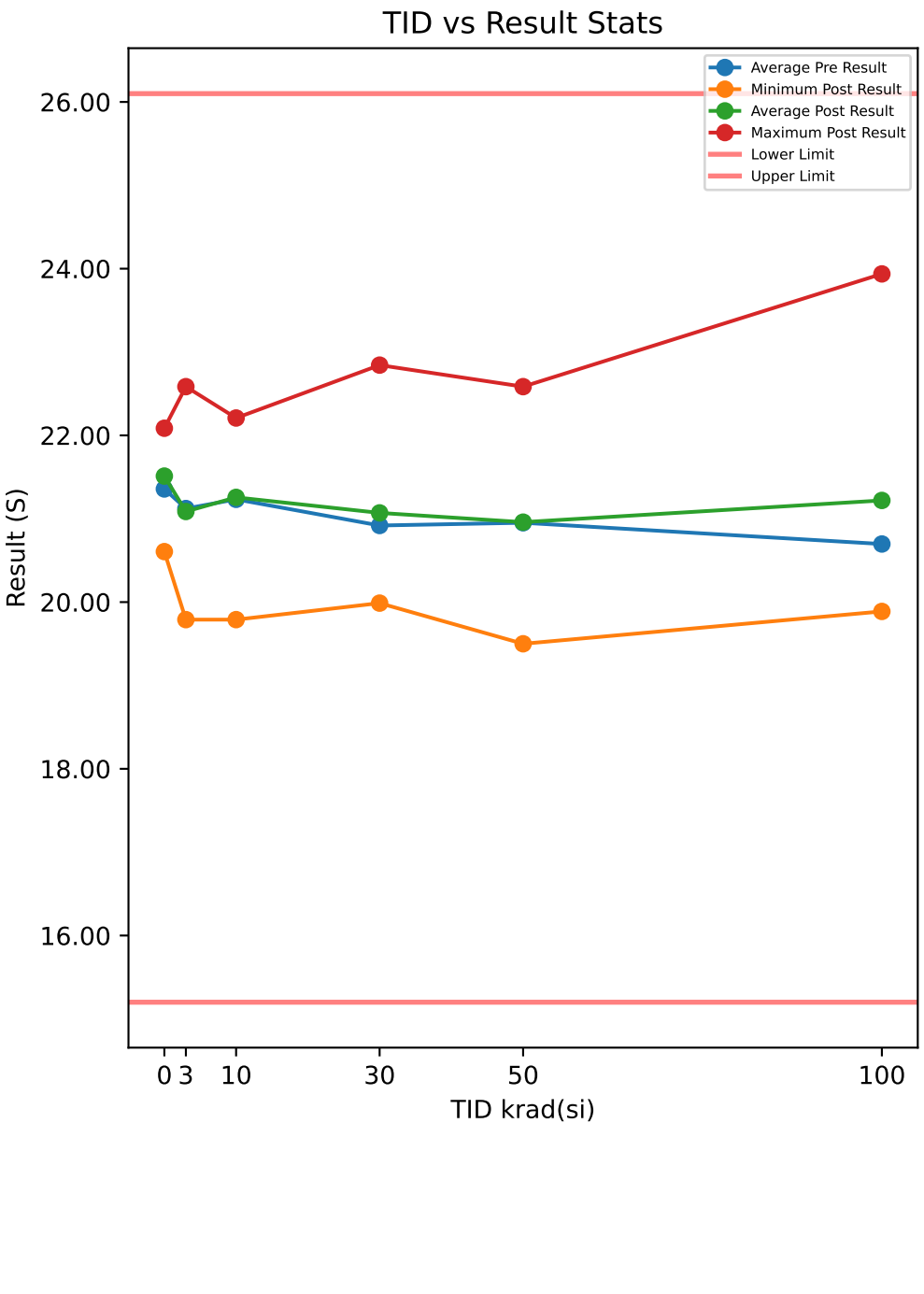
Test Results (No Limits Specified (A))

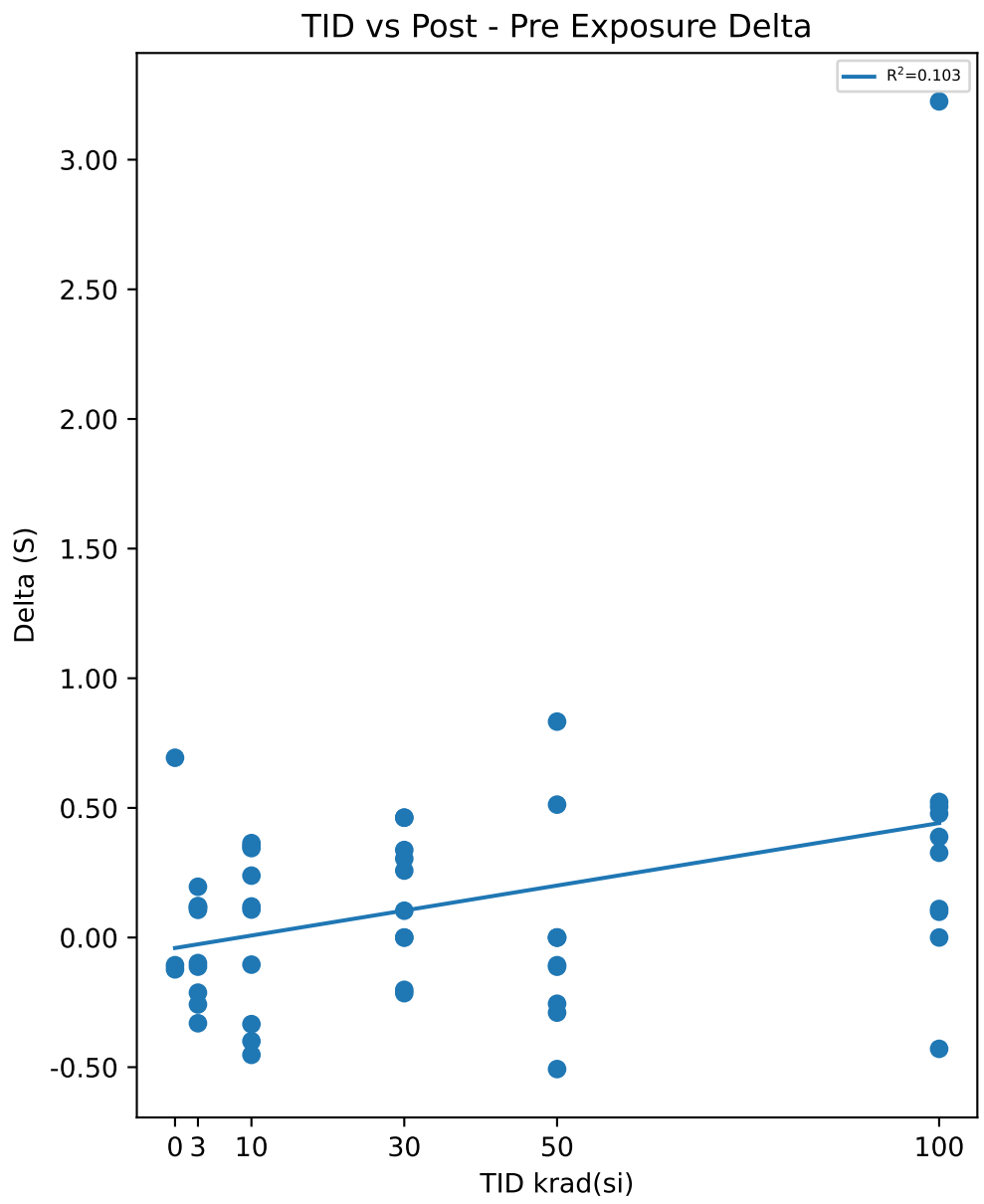
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
390	100	Biased	25.798	26.228	0.4298
392	100	Biased	25.44	25.493	0.0538
393	100	Biased	24.696	25.439	0.7421
394	100	Biased	23.806	23.436	-0.3699
395	100	Biased	24.364	24.543	0.179
412	100	Unbiased	24.054	24.201	0.1468
413	100	Unbiased	24.888	24.957	0.0697
414	100	Unbiased	23.745	23.469	-0.2759
415	100	Unbiased	23.76	27.251	3.4909
416	100	Unbiased	23.706	23.538	-0.1678
417	50	Biased	24.713	24.994	0.2806
418	50	Biased	24.818	25.352	0.5335
419	50	Biased	23.447	23.244	-0.2023
421	50	Biased	24.626	24.619	-0.0068
422	50	Biased	25.362	25.388	0.0264
423	50	Unbiased	24.628	24.827	0.1996
424	50	Unbiased	23.951	23.58	-0.3717
425	50	Unbiased	25.428	25.291	-0.1371
426	50	Unbiased	25.134	25.031	-0.103
427	50	Unbiased	24.754	24.827	0.0727
463	0	Corr	23.755	23.88	0.1248
464	0	Corr	23.638	23.764	0.1256
465	0	Corr	26.048	25.886	-0.1619
466	30	Biased	23.536	23.391	-0.1447
469	30	Biased	24.581	24.817	0.2354
470	30	Biased	24.831	24.703	-0.1285
472	30	Biased	24.851	25.067	0.2157
474	30	Biased	26.247	26.33	0.0831
475	30	Unbiased	23.411	23.533	0.1227
477	30	Unbiased	22.77	23.321	0.5511
478	30	Unbiased	23.666	23.366	-0.2999
479	30	Unbiased	25.58	25.493	-0.0869
480	30	Unbiased	24.127	24.077	-0.0503
481	10	Biased	25.099	25.008	-0.0906
482	10	Biased	24.965	24.973	0.0078
483	10	Biased	25.342	25.28	-0.0612
484	10	Biased	24.518	24.401	-0.1164
485	10	Biased	25.104	25.04	-0.0639
487	10	Unbiased	24.158	24.179	0.0209
488	10	Unbiased	23.686	23.61	-0.0761
489	10	Unbiased	24.331	24.453	0.1225
490	10	Unbiased	24.43	24.533	0.1029
491	10	Unbiased	24.86	24.785	-0.0753
492	3	Biased	25.54	25.545	0.0049
493	3	Biased	24.91	24.896	-0.0134
494	3	Biased	23.21	22.984	-0.2263
495	3	Biased	25.521	25.579	0.058
496	3	Biased	24.278	24.261	-0.0169
497	3	Unbiased	24.737	24.692	-0.045
498	3	Unbiased	23.981	23.86	-0.121
499	3	Unbiased	25.184	25.073	-0.1106
500	3	Unbiased	24.65	24.759	0.1089
502	3	Unbiased	24.186	24.144	-0.0412

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	23.638	24.48	26.048	1.3589	23.764	24.51	25.886	1.1933	-0.1619	0.0295	0.1256	0.16576
3	23.21	24.62	25.54	0.72855	22.984	24.579	25.579	0.79409	-0.2263	-0.04026	0.1089	0.09505
10	23.686	24.649	25.342	0.51302	23.61	24.626	25.28	0.49585	-0.1164	-0.02294	0.1225	0.082917
30	22.77	24.36	26.247	1.0649	23.321	24.41	26.33	1.0401	-0.2999	0.04977	0.5511	0.24502
50	23.447	24.686	25.428	0.60683	23.244	24.715	25.388	0.73443	-0.3717	0.02919	0.5335	0.26017
100	23.706	24.426	25.798	0.75644	23.436	24.855	27.251	1.2727	-0.3699	0.42985	3.4909	1.1243

Device Test: 20.46 EA_COMP_ISWITCH_GM_19A_25C(GMPS|STATIC/SW/5////@EA_COMP_ISWITCH_GM_19A_25C)





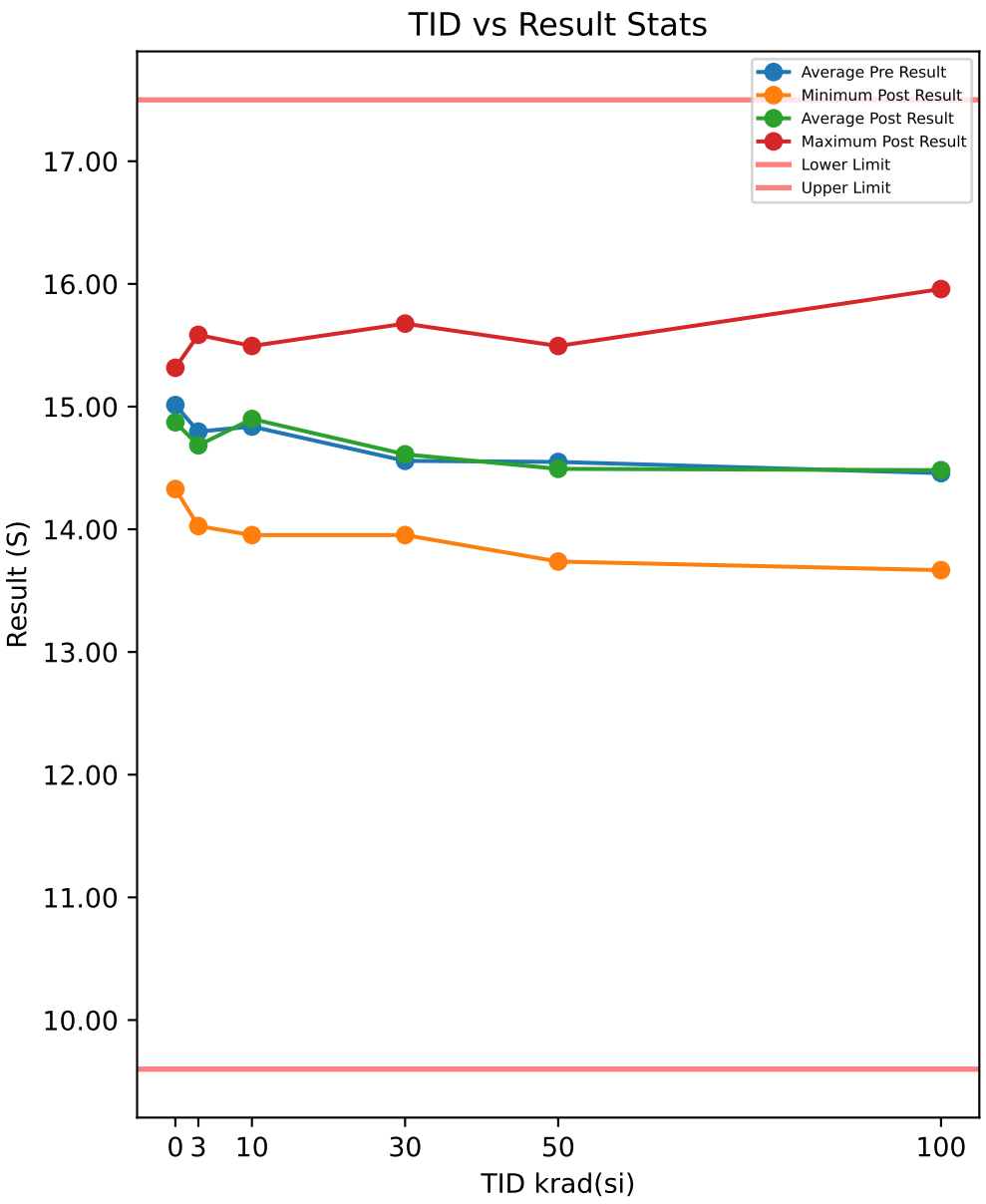
Test Results (Lower Limit = 15.2, Upper Limit = 26.1 (S))

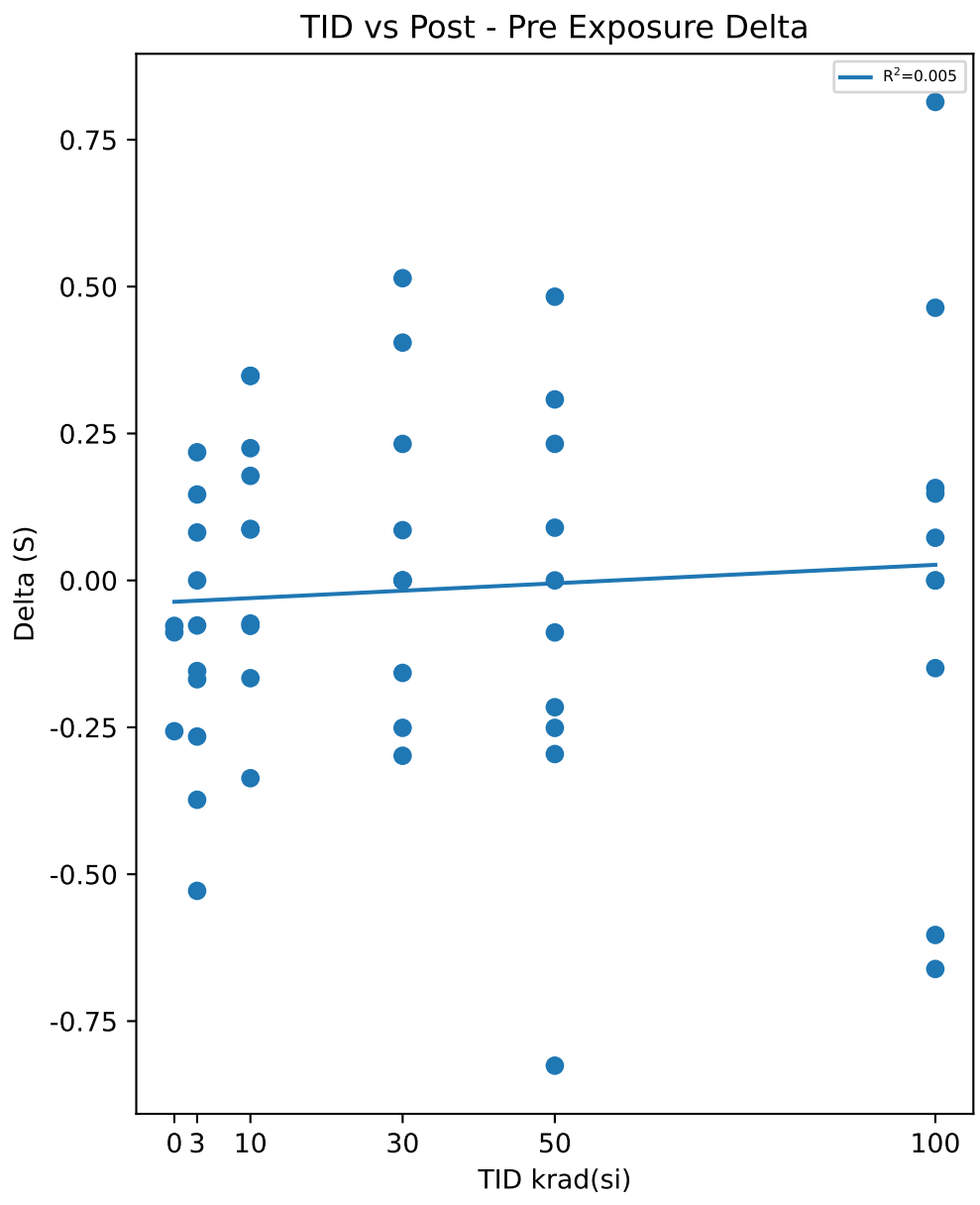
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
390	100	Biased	20.189	20.712	0.5231
392	100	Biased	20.929	20.5	-0.4293
393	100	Biased	20.292	20.292	0.0001
394	100	Biased	21.608	22.086	0.4777
395	100	Biased	20.712	21.04	0.327
412	100	Unbiased	19.888	19.988	0.0994
413	100	Unbiased	20.929	21.04	0.1101
414	100	Unbiased	22.208	22.713	0.505
415	100	Unbiased	20.712	23.937	3.2248
416	100	Unbiased	19.5	19.888	0.3881
417	50	Biased	21.263	21.151	-0.1126
418	50	Biased	19.988	20.82	0.8328
419	50	Biased	22.713	22.458	-0.2554
421	50	Biased	19.988	20.5	0.5126
422	50	Biased	22.585	22.585	0
423	50	Unbiased	20.712	20.606	-0.1067
424	50	Unbiased	19.79	19.5	-0.2896
425	50	Unbiased	21.263	21.263	0
426	50	Unbiased	20.82	20.82	0
427	50	Unbiased	20.395	19.888	-0.5073
463	0	Corr	20.712	20.606	-0.1067
464	0	Corr	21.151	21.844	0.6933
465	0	Corr	22.208	22.086	-0.1228
466	30	Biased	20.82	20.82	0
469	30	Biased	19.988	20.292	0.3043
470	30	Biased	20.189	19.988	-0.2018
472	30	Biased	22.585	22.843	0.2582
474	30	Biased	21.263	21.726	0.4623
475	30	Unbiased	20.929	20.929	-0.0001
477	30	Unbiased	20.82	20.606	-0.2146
478	30	Unbiased	21.04	21.377	0.3375
479	30	Unbiased	21.263	21.726	0.4623
480	30	Unbiased	20.292	20.395	0.1035
481	10	Biased	21.844	21.964	0.1198
482	10	Biased	21.263	21.608	0.3449
483	10	Biased	21.263	20.929	-0.334
484	10	Biased	21.492	21.844	0.3522
485	10	Biased	20.712	20.82	0.1078
487	10	Unbiased	21.726	21.964	0.2387
488	10	Unbiased	20.189	19.79	-0.3998
489	10	Unbiased	21.844	22.208	0.3642
490	10	Unbiased	20.5	20.395	-0.1045
491	10	Unbiased	21.492	21.04	-0.4525
492	3	Biased	19.888	19.79	-0.0985
493	3	Biased	19.692	19.888	0.1959
494	3	Biased	21.151	20.82	-0.3306
495	3	Biased	21.726	21.844	0.1186
496	3	Biased	21.263	21.151	-0.1124
497	3	Unbiased	20.712	20.5	-0.2126
498	3	Unbiased	21.964	22.086	0.1213
499	3	Unbiased	22.843	22.585	-0.258
500	3	Unbiased	21.377	21.492	0.1147
502	3	Unbiased	20.606	20.712	0.1068

Test Statistics (S)

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	20.712	21.357	22.208	0.76905	20.606	21.512	22.086	0.79396	-0.1228	0.1546	0.6933	0.4666
3	19.692	21.122	22.843	0.94996	19.79	21.087	22.585	0.92247	-0.3306	-0.03548	0.1959	0.1893
10	20.189	21.233	21.844	0.57959	19.79	21.256	22.208	0.78983	-0.4525	0.02368	0.3642	0.32319
30	19.988	20.919	22.585	0.73326	19.988	21.07	22.843	0.8581	-0.2146	0.15116	0.4623	0.25157
50	19.79	20.952	22.713	1.0305	19.5	20.959	22.585	0.98138	-0.5073	0.00738	0.8328	0.39247
100	19.5	20.697	22.208	0.798	19.888	21.22	23.937	1.3063	-0.4293	0.5226	3.2248	0.99381

Device Test: 20.47 EA_COMP_ISWITCH_GM_13A_25C(GMPS|STATIC/SW/5////@EA_COMP_ISWITCH_GM_13A_25C)





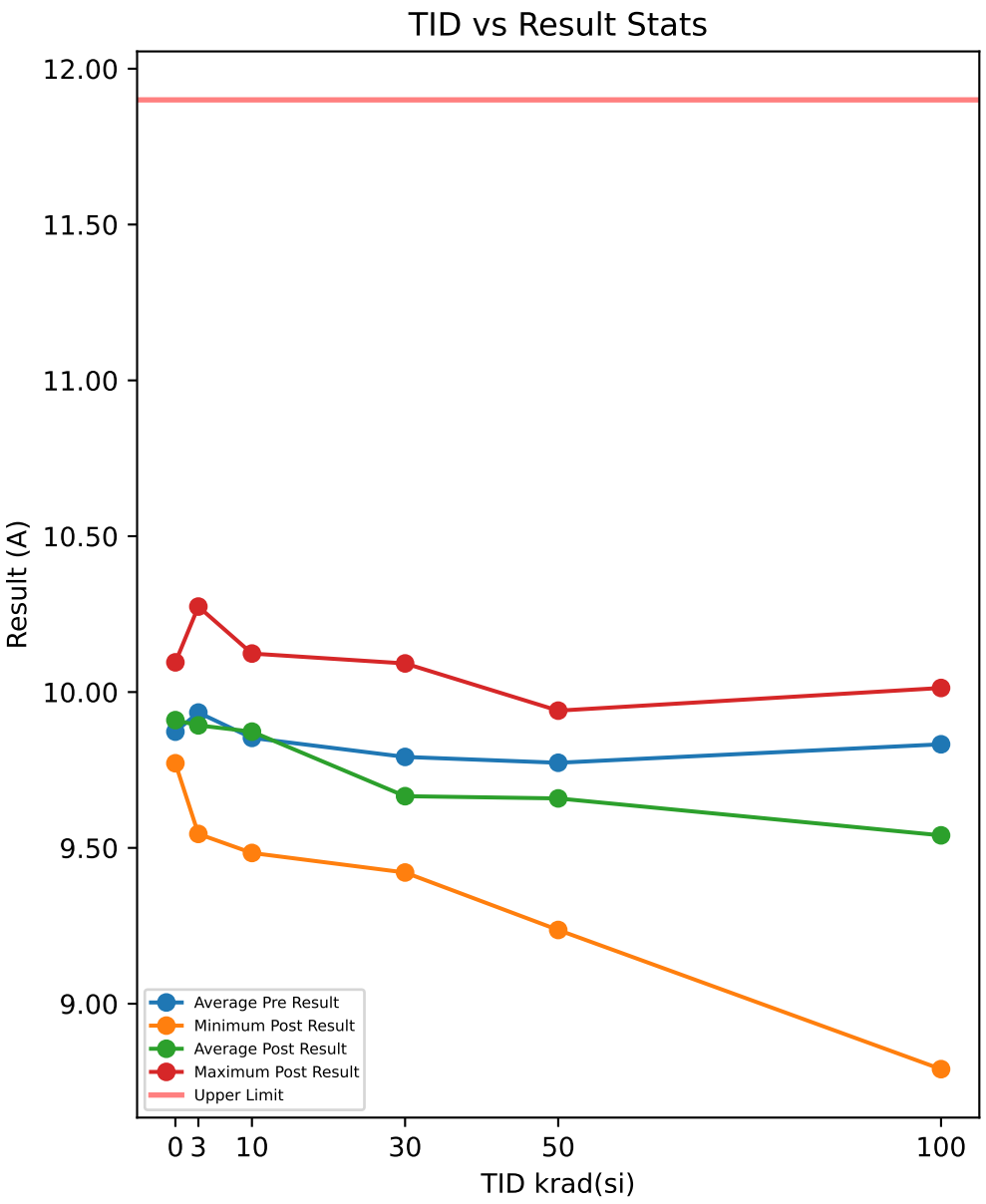
Test Results (Lower Limit = 9.6, Upper Limit = 17.5 (S))

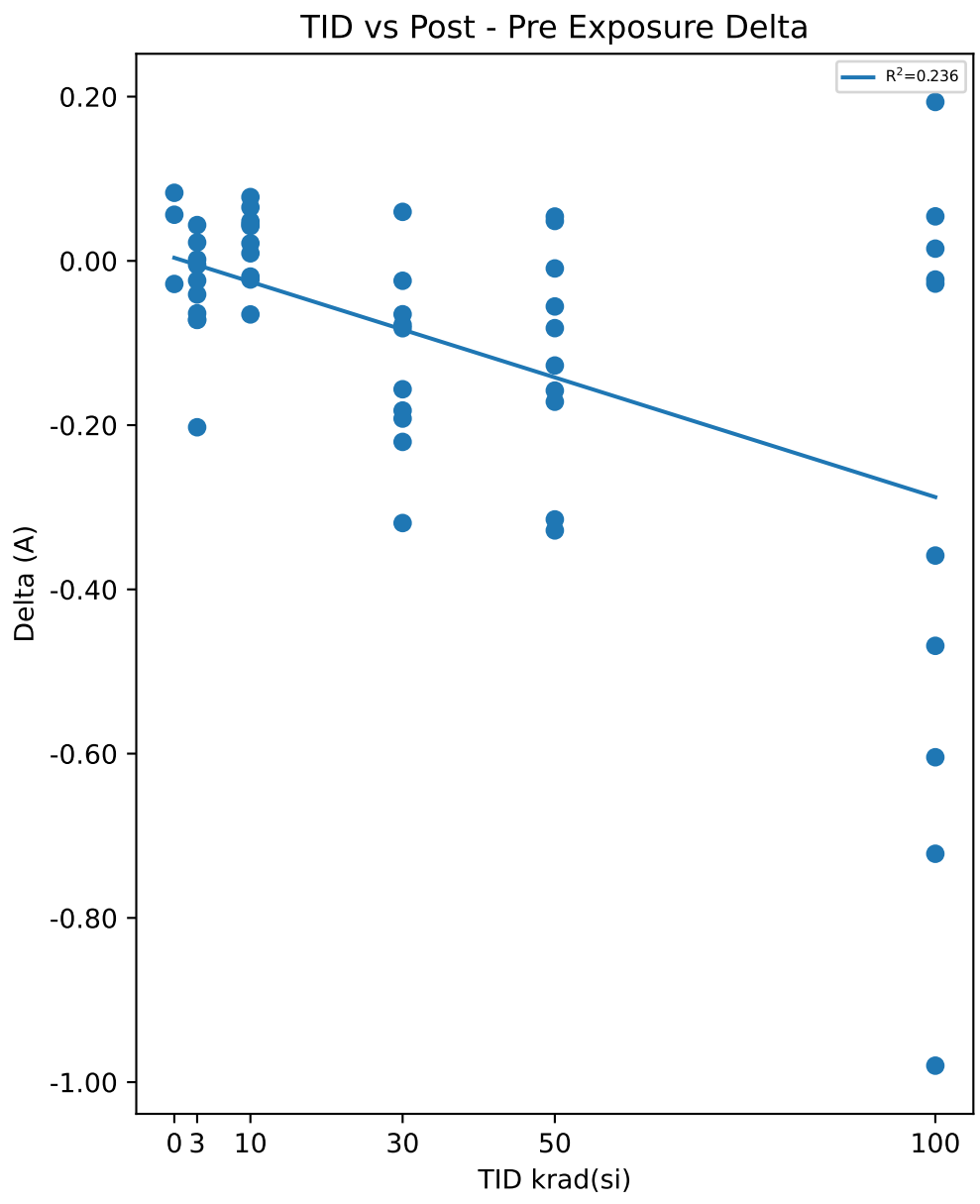
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
390	100	Biased	14.176	14.026	-0.1493
392	100	Biased	14.484	13.88	-0.6034
393	100	Biased	14.328	13.667	-0.6613
394	100	Biased	14.806	14.806	0
395	100	Biased	14.724	14.724	0
412	100	Unbiased	13.953	14.101	0.1477
413	100	Unbiased	14.405	14.563	0.1573
414	100	Unbiased	15.494	15.958	0.464
415	100	Unbiased	14.328	15.142	0.8142
416	100	Unbiased	13.88	13.953	0.0726
417	50	Biased	14.405	14.888	0.4828
418	50	Biased	14.101	14.101	0
419	50	Biased	15.405	15.494	0.0897
421	50	Biased	14.176	14.484	0.308
422	50	Biased	15.405	15.316	-0.0886
423	50	Unbiased	14.251	14.484	0.2324
424	50	Unbiased	13.953	13.737	-0.2158
425	50	Unbiased	15.056	14.806	-0.251
426	50	Unbiased	14.176	13.88	-0.2955
427	50	Unbiased	14.563	13.737	-0.8258
463	0	Corr	14.405	14.328	-0.0774
464	0	Corr	15.229	14.972	-0.2567
465	0	Corr	15.405	15.316	-0.0884
466	30	Biased	14.251	14.484	0.2323
469	30	Biased	14.251	13.953	-0.2984
470	30	Biased	14.176	14.176	0
472	30	Biased	15.676	15.676	0
474	30	Biased	15.056	15.142	0.0855
475	30	Unbiased	14.563	14.405	-0.1574
477	30	Unbiased	14.328	14.328	0
478	30	Unbiased	14.484	14.888	0.4047
479	30	Unbiased	15.056	14.806	-0.2509
480	30	Unbiased	13.737	14.251	0.5143
481	10	Biased	15.056	15.405	0.3481
482	10	Biased	15.229	15.316	0.0877
483	10	Biased	14.972	14.806	-0.1664
484	10	Biased	15.142	15.229	0.0865
485	10	Biased	14.405	14.328	-0.0774
487	10	Unbiased	15.056	15.405	0.3481
488	10	Unbiased	14.026	13.953	-0.0734
489	10	Unbiased	15.316	15.494	0.1779
490	10	Unbiased	14.026	14.251	0.225
491	10	Unbiased	15.142	14.806	-0.3366
492	3	Biased	13.88	14.026	0.1462
493	3	Biased	13.808	14.026	0.2181
494	3	Biased	14.724	14.806	0.0816
495	3	Biased	15.494	15.229	-0.2657
496	3	Biased	14.724	14.724	0
497	3	Unbiased	14.328	14.251	-0.0767
498	3	Unbiased	15.958	15.585	-0.3733
499	3	Unbiased	15.585	15.056	-0.5283
500	3	Unbiased	15.056	14.888	-0.1682
502	3	Unbiased	14.405	14.251	-0.1542

Test Statistics (S)

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	14.405	15.013	15.405	0.53339	14.328	14.872	15.316	0.50161	-0.2567	-0.14083	-0.0774	0.10049
3	13.808	14.796	15.958	0.72455	14.026	14.684	15.585	0.53171	-0.5283	-0.11205	0.2181	0.23501
10	14.026	14.837	15.316	0.49266	13.953	14.899	15.494	0.55839	-0.3366	0.06195	0.3481	0.22454
30	13.737	14.558	15.676	0.55921	13.953	14.611	15.676	0.5188	-0.2984	0.05301	0.5143	0.2663
50	13.953	14.549	15.405	0.5443	13.737	14.493	15.494	0.63302	-0.8258	-0.05638	0.4828	0.37192
100	13.88	14.458	15.494	0.46797	13.667	14.482	15.958	0.70273	-0.6613	0.02418	0.8142	0.44069

Device Test: 20.5 HIGHSIDE_CURR_LIM_9A(THRESHOLD|RISE/SW/4.5////@HIGHSIDE_CURR_LIM_9A)





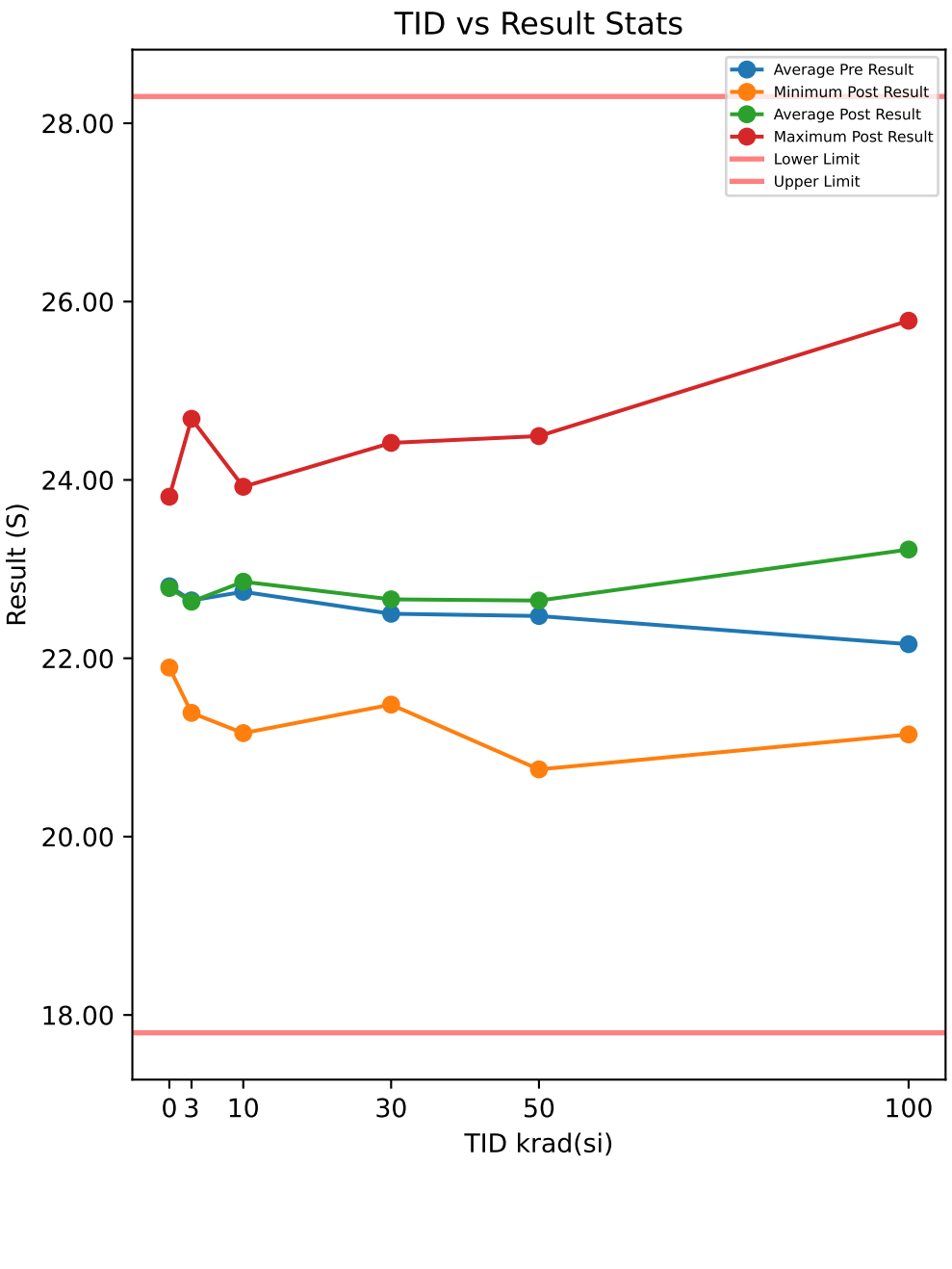
Test Results (Upper Limit = 11.9 (A))

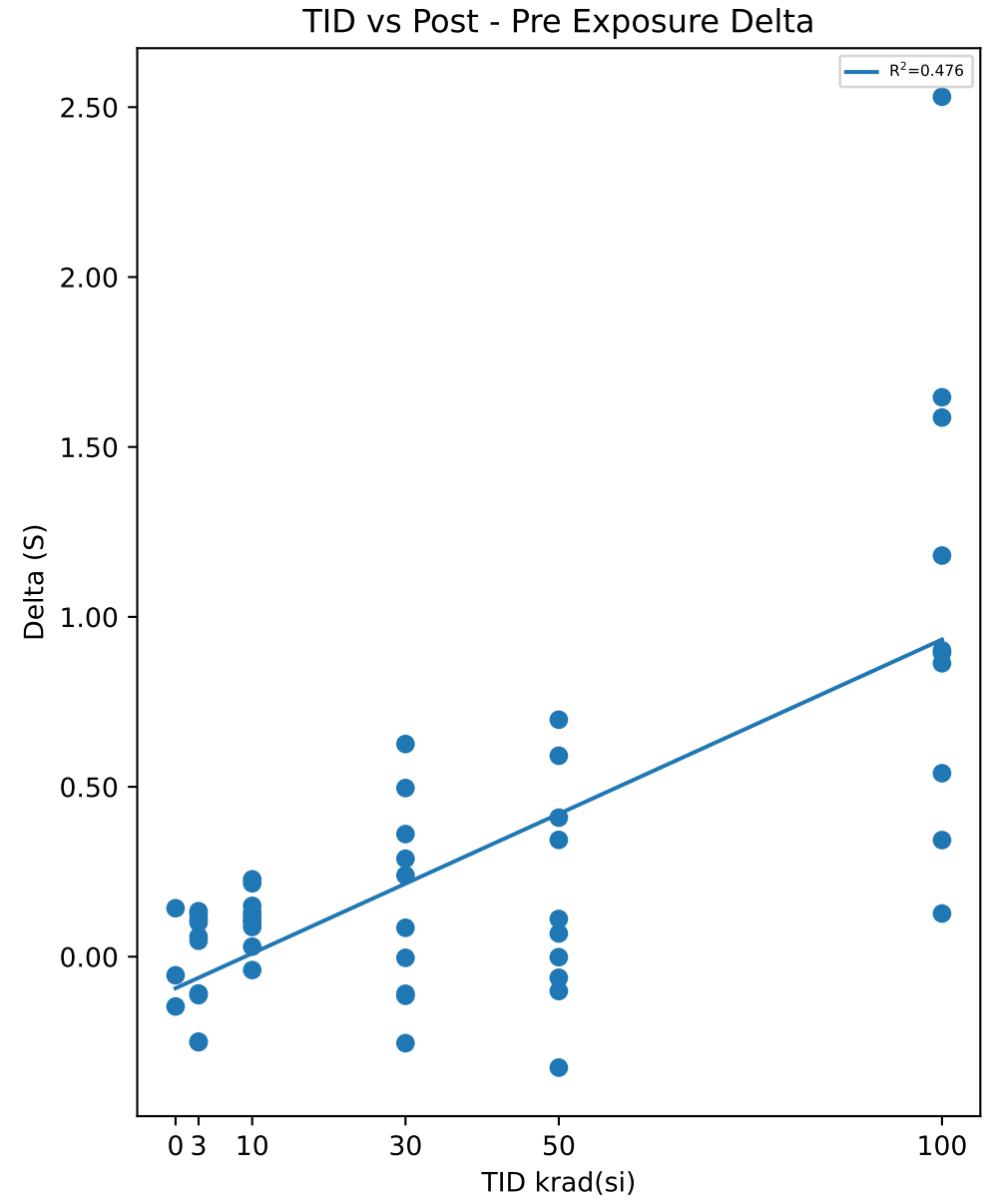
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
390	100	Biased	10.019	9.6601	-0.3588
392	100	Biased	9.9093	9.1874	-0.7219
393	100	Biased	9.6201	9.0157	-0.6044
394	100	Biased	9.77	8.7901	-0.9799
395	100	Biased	9.9331	9.4644	-0.4687
412	100	Unbiased	9.9982	10.013	0.0149
413	100	Unbiased	9.8284	9.8057	-0.0227
414	100	Unbiased	9.9705	9.9428	-0.0277
415	100	Unbiased	9.533	9.7265	0.1935
416	100	Unbiased	9.7421	9.7963	0.0542
417	50	Biased	9.4781	9.3962	-0.0819
418	50	Biased	9.6695	9.3413	-0.3282
419	50	Biased	9.9465	9.6317	-0.3148
421	50	Biased	10.045	9.8871	-0.1579
422	50	Biased	10.112	9.9403	-0.1715
423	50	Unbiased	9.8478	9.9018	0.054
424	50	Unbiased	9.8487	9.7932	-0.0555
425	50	Unbiased	9.6675	9.7161	0.0486
426	50	Unbiased	9.7521	9.7429	-0.0092
427	50	Unbiased	9.364	9.2366	-0.1274
463	0	Corr	9.7799	9.8628	0.0829
464	0	Corr	10.039	10.095	0.0562
465	0	Corr	9.7996	9.7715	-0.0281
466	30	Biased	9.6414	9.421	-0.2204
469	30	Biased	9.6324	9.4761	-0.1563
470	30	Biased	9.9544	9.6352	-0.3192
472	30	Biased	10.106	9.9142	-0.192
474	30	Biased	10.274	10.092	-0.1822
475	30	Unbiased	9.5404	9.4584	-0.082
477	30	Unbiased	9.5391	9.5149	-0.0242
478	30	Unbiased	9.6482	9.7079	0.0597
479	30	Unbiased	9.9319	9.8541	-0.0778
480	30	Unbiased	9.6503	9.5853	-0.065
481	10	Biased	9.9268	10.005	0.0777
482	10	Biased	9.6423	9.5771	-0.0652
483	10	Biased	9.9528	9.9301	-0.0227
484	10	Biased	9.7398	9.7207	-0.0191
485	10	Biased	9.4185	9.4837	0.0652
487	10	Unbiased	9.9389	9.9871	0.0482
488	10	Unbiased	9.8401	9.8826	0.0425
489	10	Unbiased	9.9317	9.9761	0.0444
490	10	Unbiased	10.036	10.045	0.0092
491	10	Unbiased	10.102	10.123	0.0214
492	3	Biased	9.7209	9.6571	-0.0638
493	3	Biased	9.5498	9.5448	-0.005
494	3	Biased	10.151	9.9486	-0.2026
495	3	Biased	10.231	10.274	0.0436
496	3	Biased	10.284	10.213	-0.0716
497	3	Unbiased	9.615	9.5741	-0.0409
498	3	Unbiased	10.02	9.9476	-0.0719
499	3	Unbiased	9.6401	9.6162	-0.0239
500	3	Unbiased	10.06	10.062	0.0017
502	3	Unbiased	10.071	10.093	0.0225

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	9.7799	9.8729	10.039	0.1443	9.7715	9.9099	10.095	0.16695	-0.0281	0.037	0.0829	0.057937
3	9.5498	9.9342	10.284	0.27508	9.5448	9.893	10.274	0.27437	-0.2026	-0.04119	0.0436	0.069223
10	9.4185	9.8529	10.102	0.20291	9.4837	9.873	10.123	0.21052	-0.0652	0.02016	0.0777	0.04472
30	9.5391	9.7918	10.274	0.25672	9.421	9.6659	10.092	0.22349	-0.3192	-0.12594	0.0597	0.10929
50	9.364	9.7731	10.112	0.23728	9.2366	9.6587	9.9403	0.25113	-0.3282	-0.11438	0.054	0.13404
100	9.533	9.8324	10.019	0.16471	8.7901	9.5402	10.013	0.4135	-0.9799	-0.29215	0.1935	0.39206

Device Test: 20.52 EA_COMP_ISWITCH_GM_0P5V_19A(GMPS|STATIC/SW/5////@EA_COMP_ISWITCH_GM_0P5V_19A)





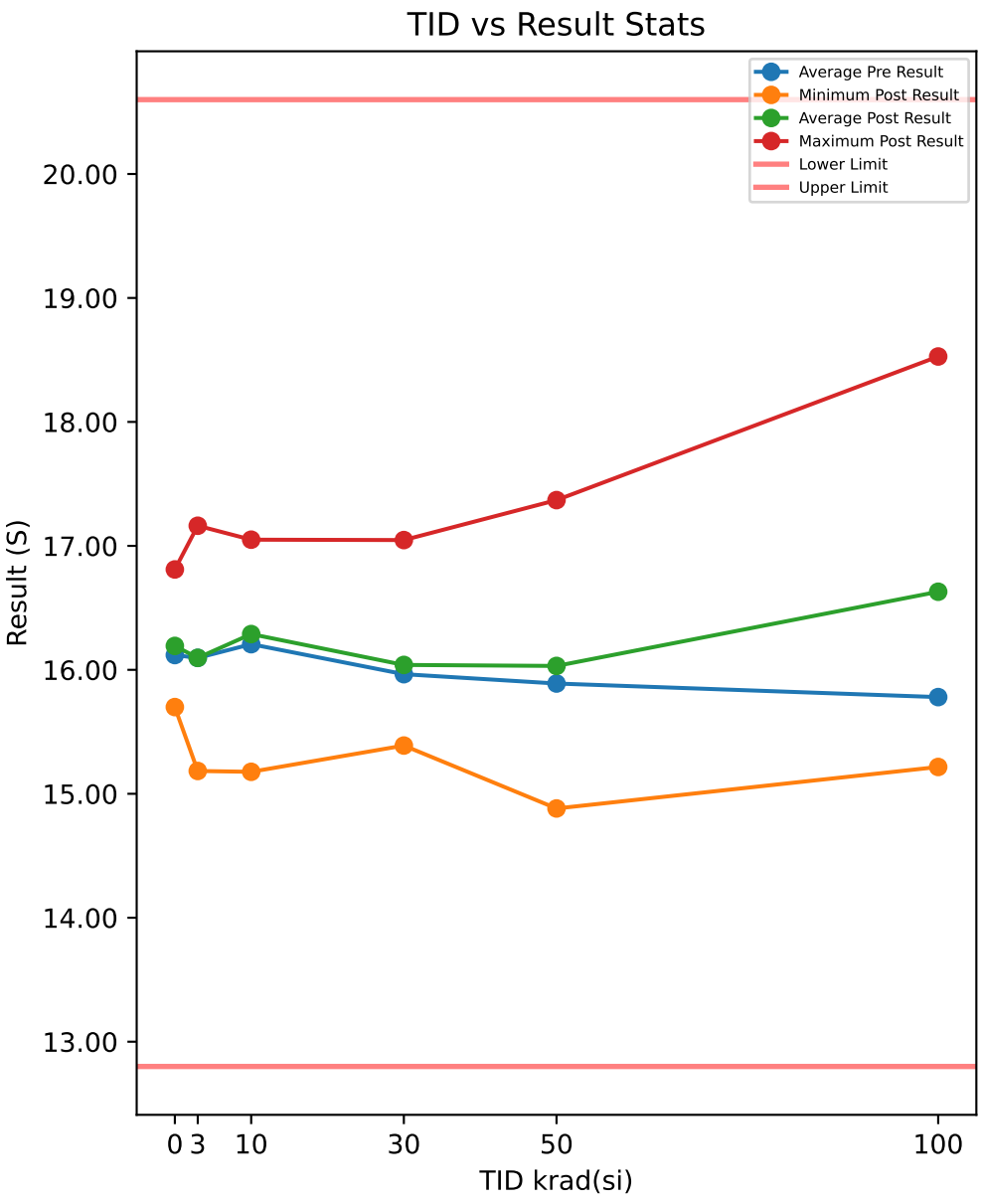
Test Results (Lower Limit = 17.8, Upper Limit = 28.3 (S))

Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
390	100	Biased	21.538	23.124	1.5865
392	100	Biased	22.297	22.424	0.127
393	100	Biased	21.896	22.798	0.9017
394	100	Biased	23.034	23.928	0.8939
395	100	Biased	22.425	22.965	0.54
412	100	Unbiased	20.802	21.146	0.3432
413	100	Unbiased	22.402	23.265	0.8635
414	100	Unbiased	24.139	25.785	1.6462
415	100	Unbiased	22.016	24.546	2.5306
416	100	Unbiased	21.032	22.213	1.1805
417	50	Biased	22.984	23.393	0.4092
418	50	Biased	21.588	21.699	0.1111
419	50	Biased	24.148	24.491	0.3437
421	50	Biased	21.761	22.352	0.5914
422	50	Biased	24.075	24.144	0.0683
423	50	Unbiased	21.964	22.661	0.6974
424	50	Unbiased	20.855	20.754	-0.1011
425	50	Unbiased	23.175	23.174	-0.0014
426	50	Unbiased	21.753	21.691	-0.062
427	50	Unbiased	22.439	22.112	-0.3264
463	0	Corr	22.042	21.896	-0.1465
464	0	Corr	22.513	22.655	0.1426
465	0	Corr	23.866	23.812	-0.0547
466	30	Biased	22.228	22.589	0.3609
469	30	Biased	21.916	21.802	-0.1149
470	30	Biased	21.395	21.48	0.085
472	30	Biased	24.524	24.415	-0.109
474	30	Biased	22.841	23.08	0.2395
475	30	Unbiased	22.591	22.337	-0.2545
477	30	Unbiased	22.276	22.273	-0.0033
478	30	Unbiased	22.427	22.923	0.4963
479	30	Unbiased	22.912	23.201	0.2883
480	30	Unbiased	21.881	22.507	0.6259
481	10	Biased	23.803	23.923	0.1203
482	10	Biased	23.581	23.668	0.0874
483	10	Biased	22.278	22.308	0.0296
484	10	Biased	23.406	23.634	0.2276
485	10	Biased	22.762	22.865	0.1032
487	10	Unbiased	23.227	23.443	0.216
488	10	Unbiased	21.011	21.161	0.1495
489	10	Unbiased	23.718	23.825	0.1063
490	10	Unbiased	21.571	21.701	0.1306
491	10	Unbiased	22.098	22.059	-0.0393
492	3	Biased	21.496	21.388	-0.1082
493	3	Biased	21.555	21.602	0.047
494	3	Biased	22.454	22.34	-0.1132
495	3	Biased	23.168	23.302	0.1339
496	3	Biased	22.269	22.328	0.0594
497	3	Unbiased	22.559	22.309	-0.2501
498	3	Unbiased	23.912	24.039	0.1267
499	3	Unbiased	24.937	24.686	-0.2517
500	3	Unbiased	22.16	22.271	0.1106
502	3	Unbiased	21.98	22.08	0.1007

Test Statistics (S)

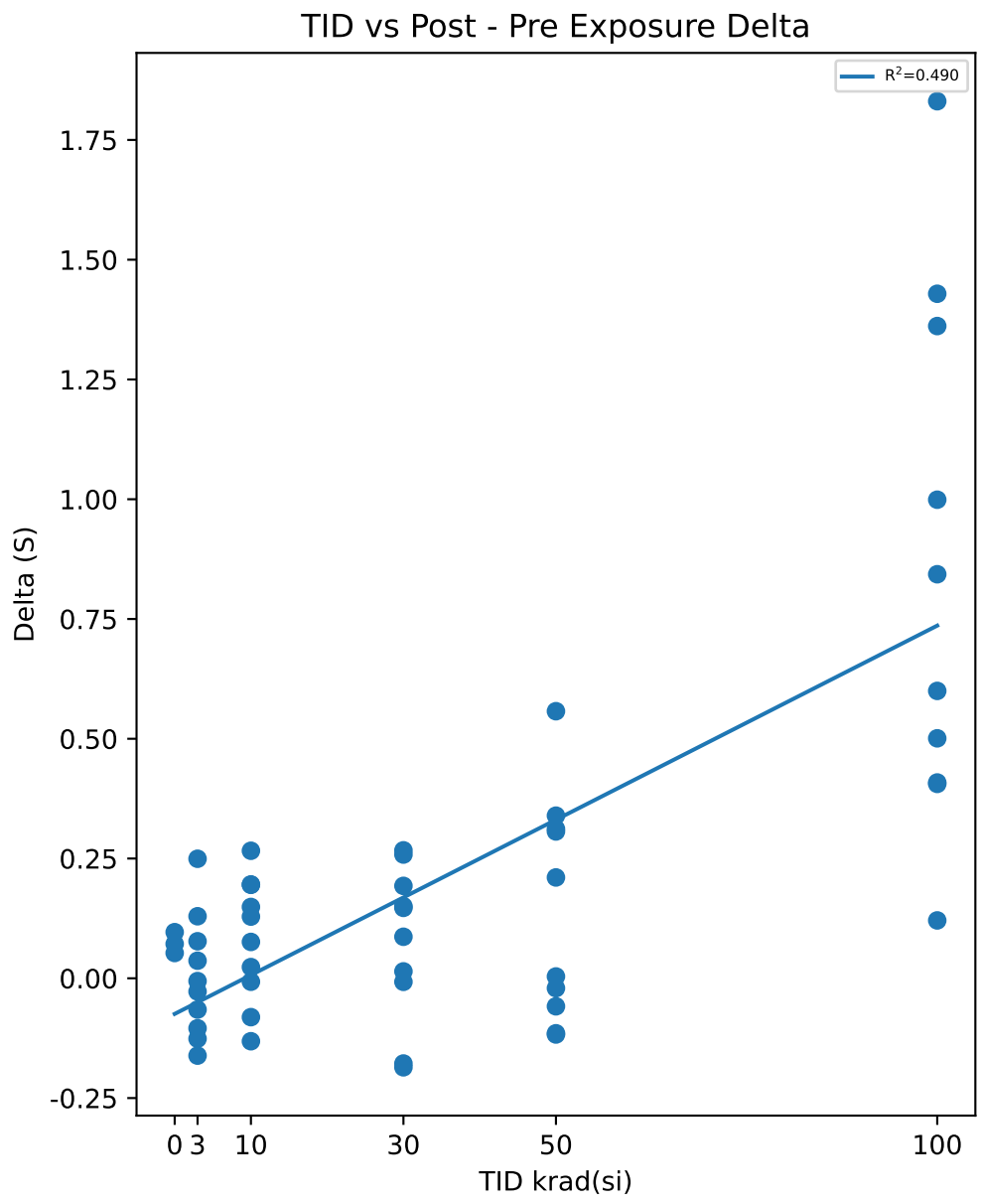
krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	22.042	22.807	23.866	0.94701	21.896	22.788	23.812	0.96477	-0.1465	-0.019533	0.1426	0.14772
3	21.496	22.649	24.937	1.0803	21.388	22.634	24.686	1.0525	-0.2517	-0.01449	0.1339	0.1529
10	21.011	22.746	23.803	0.96931	21.161	22.859	23.923	0.99049	-0.0393	0.11312	0.2276	0.079151
30	21.395	22.499	24.524	0.84758	21.48	22.661	24.415	0.81856	-0.2545	0.16142	0.6259	0.28777
50	20.855	22.474	24.148	1.0962	20.754	22.647	24.491	1.1665	-0.3264	0.17302	0.6974	0.32659
100	20.802	22.158	24.139	0.96728	21.146	23.219	25.785	1.293	0.127	1.0613	2.5306	0.71055

Device Test: 20.53 EA_COMP_ISWITCH_GM_0P5V_13A(GMPS|STATIC/SW/5////@EA_COMP_ISWITCH_GM_0P5V_13A)



Test Results (Lower Limit = 12.8, Upper Limit = 20.6 (S))

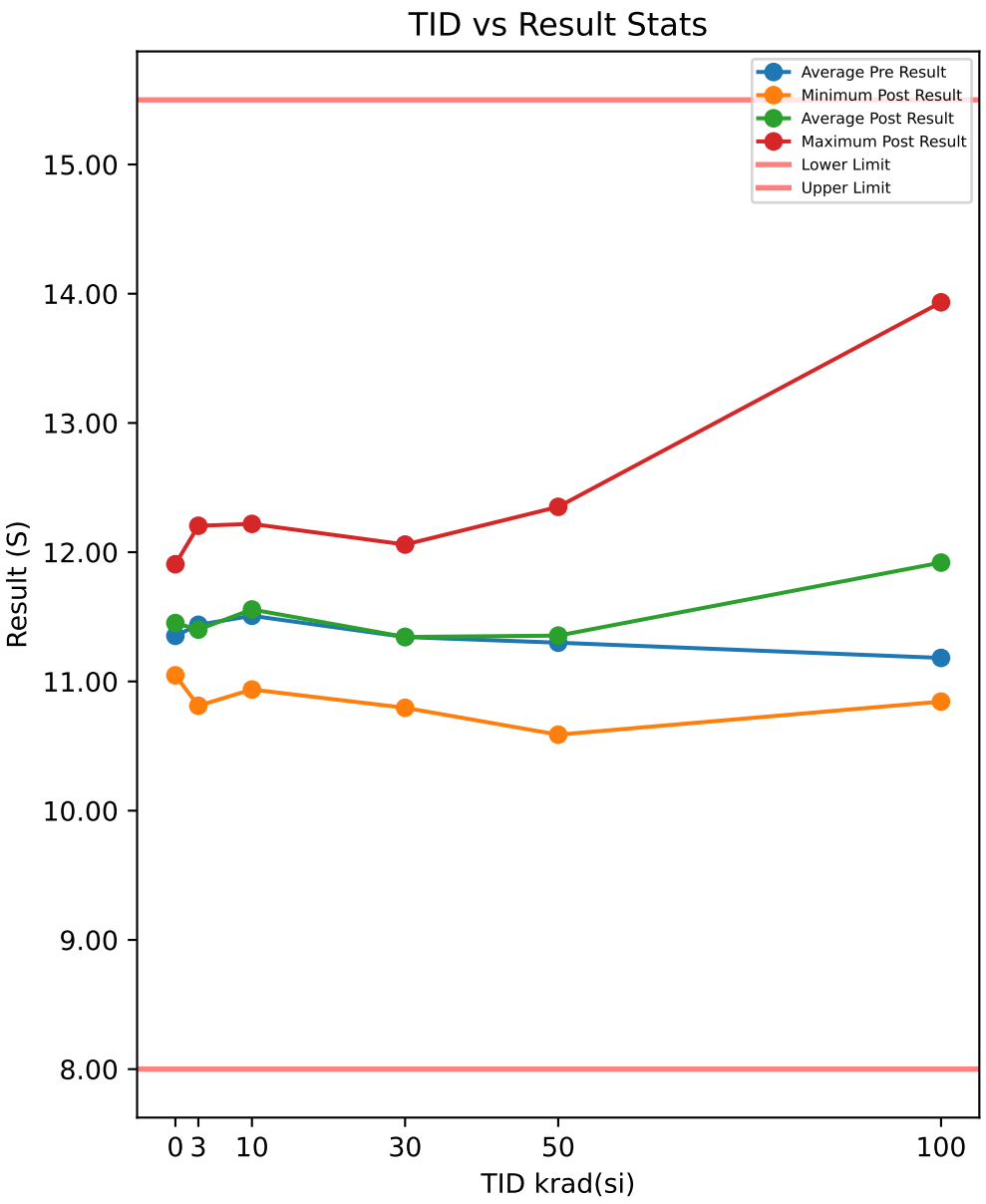
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
390	100	Biased	15.046	16.475	1.4289
392	100	Biased	15.789	15.909	0.1208
393	100	Biased	15.763	16.607	0.8434
394	100	Biased	16.27	16.771	0.5009
395	100	Biased	16.179	16.588	0.4087
412	100	Unbiased	14.81	15.216	0.4058
413	100	Unbiased	16.03	16.63	0.5999
414	100	Unbiased	17.166	18.528	1.3615
415	100	Unbiased	15.531	17.361	1.8308
416	100	Unbiased	15.215	16.214	0.999
417	50	Biased	16.159	16.47	0.3118
418	50	Biased	15.286	15.496	0.2105
419	50	Biased	17.063	17.369	0.3065
421	50	Biased	15.397	15.737	0.3395
422	50	Biased	16.776	16.755	-0.0206
423	50	Unbiased	15.398	15.956	0.5575
424	50	Unbiased	14.996	14.882	-0.1148
425	50	Unbiased	16.347	16.351	0.0038
426	50	Unbiased	15.411	15.352	-0.0585
427	50	Unbiased	16.063	15.946	-0.1173
463	0	Corr	15.603	15.7	0.0963
464	0	Corr	15.997	16.069	0.0718
465	0	Corr	16.757	16.81	0.0528
466	30	Biased	15.721	15.871	0.1505
469	30	Biased	15.575	15.389	-0.1858
470	30	Biased	15.325	15.412	0.0867
472	30	Biased	17.032	17.047	0.0144
474	30	Biased	16.067	16.26	0.1929
475	30	Unbiased	16.249	16.242	-0.0074
477	30	Unbiased	16.037	15.86	-0.1779
478	30	Unbiased	15.999	16.258	0.2583
479	30	Unbiased	16.159	16.306	0.147
480	30	Unbiased	15.483	15.751	0.2671
481	10	Biased	16.897	16.921	0.0234
482	10	Biased	16.837	16.965	0.1288
483	10	Biased	16.117	16.036	-0.0811
484	10	Biased	16.631	16.826	0.1959
485	10	Biased	16.124	16.391	0.2662
487	10	Unbiased	16.339	16.488	0.1489
488	10	Unbiased	14.982	15.177	0.1951
489	10	Unbiased	17.057	17.05	-0.0072
490	10	Unbiased	15.206	15.282	0.0759
491	10	Unbiased	15.88	15.749	-0.1314
492	3	Biased	15.249	15.184	-0.0653
493	3	Biased	15.307	15.436	0.1295
494	3	Biased	16.13	15.968	-0.1614
495	3	Biased	16.455	16.45	-0.0058
496	3	Biased	15.622	15.659	0.0367
497	3	Unbiased	15.971	15.944	-0.0276
498	3	Unbiased	17.232	17.106	-0.1261
499	3	Unbiased	17.267	17.162	-0.1043
500	3	Unbiased	15.958	16.035	0.0773
502	3	Unbiased	15.771	16.02	0.2495

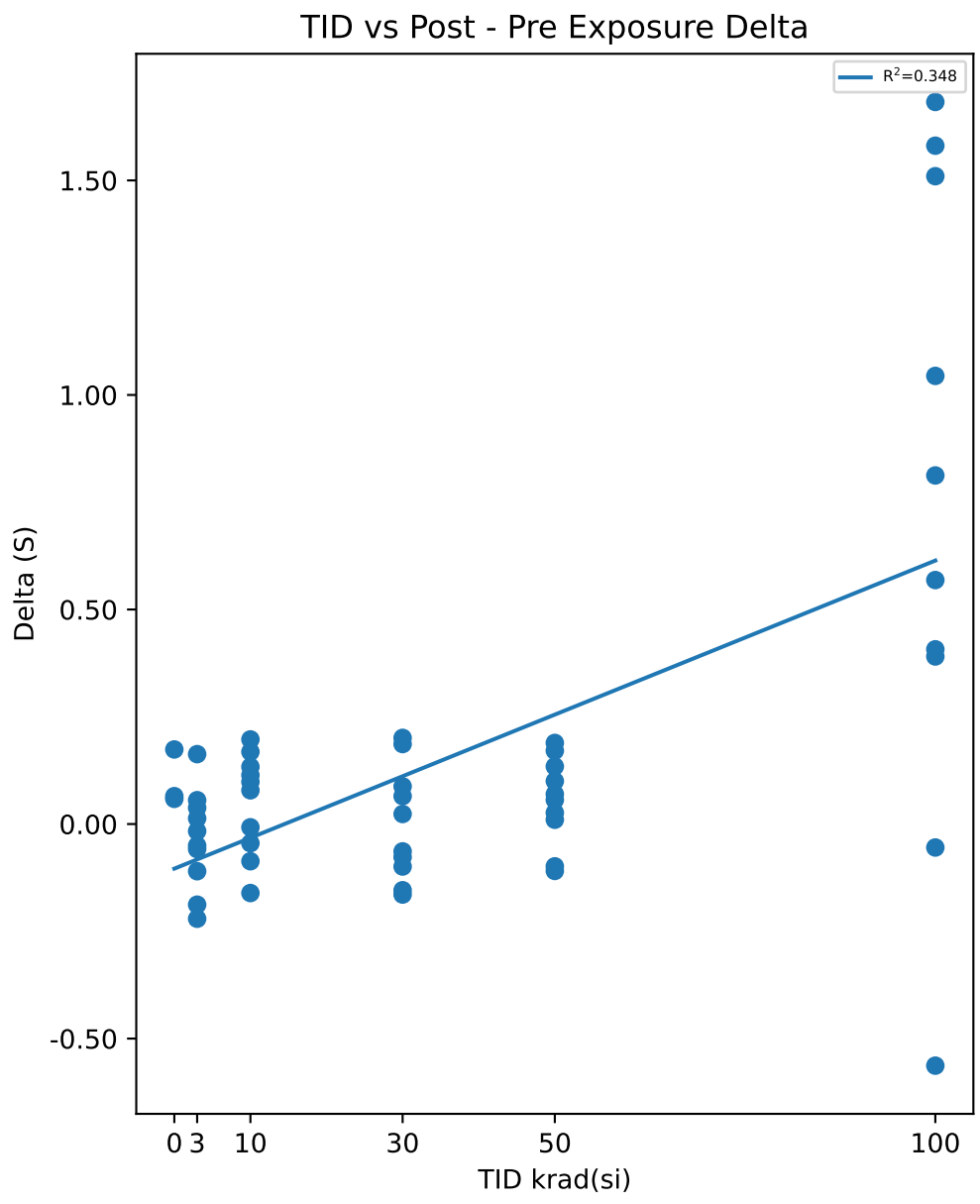


Test Statistics (S)

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	15.603	16.119	16.757	0.58646	15.7	16.193	16.81	0.56538	0.0528	0.073633	0.0963	0.021808
3	15.249	16.096	17.267	0.70685	15.184	16.096	17.162	0.64891	-0.1614	0.00025	0.2495	0.12659
10	14.982	16.207	17.057	0.70051	15.177	16.288	17.05	0.69766	-0.1314	0.08145	0.2662	0.12907
30	15.325	15.965	17.032	0.48621	15.389	16.039	17.047	0.49261	-0.1858	0.07458	0.2671	0.16257
50	14.996	15.89	17.063	0.69513	14.882	16.031	17.369	0.72861	-0.1173	0.14184	0.5575	0.23361
100	14.81	15.78	17.166	0.68665	15.216	16.63	18.528	0.87391	0.1208	0.84997	1.8308	0.54662

Device Test: 20.54 EA_COMP_ISWITCH_GM_9A(GMPS|STATIC/SW/5////@EA_COMP_ISWITCH_GM_9A)





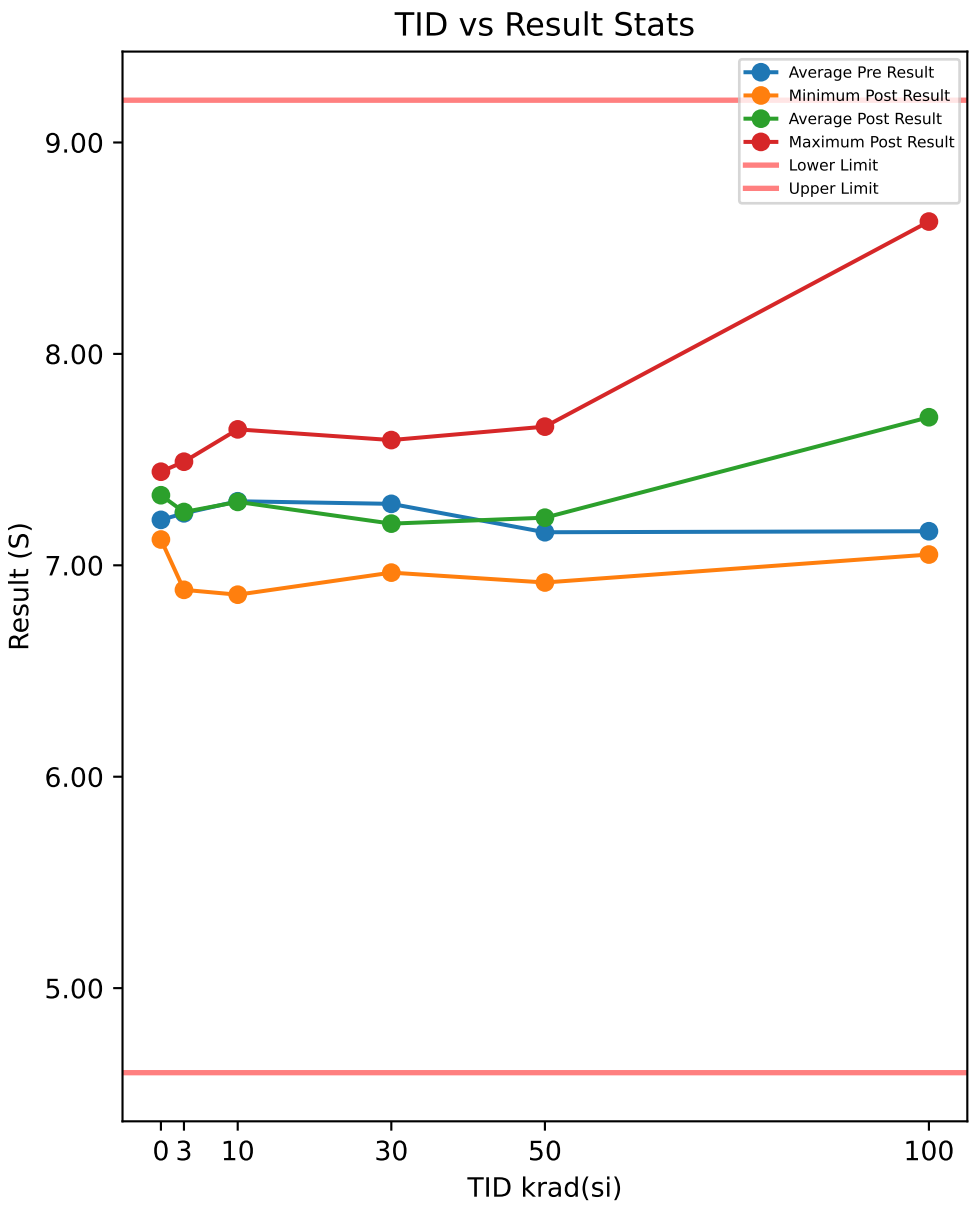
Test Results (Lower Limit = 8.0, Upper Limit = 15.5 (S))

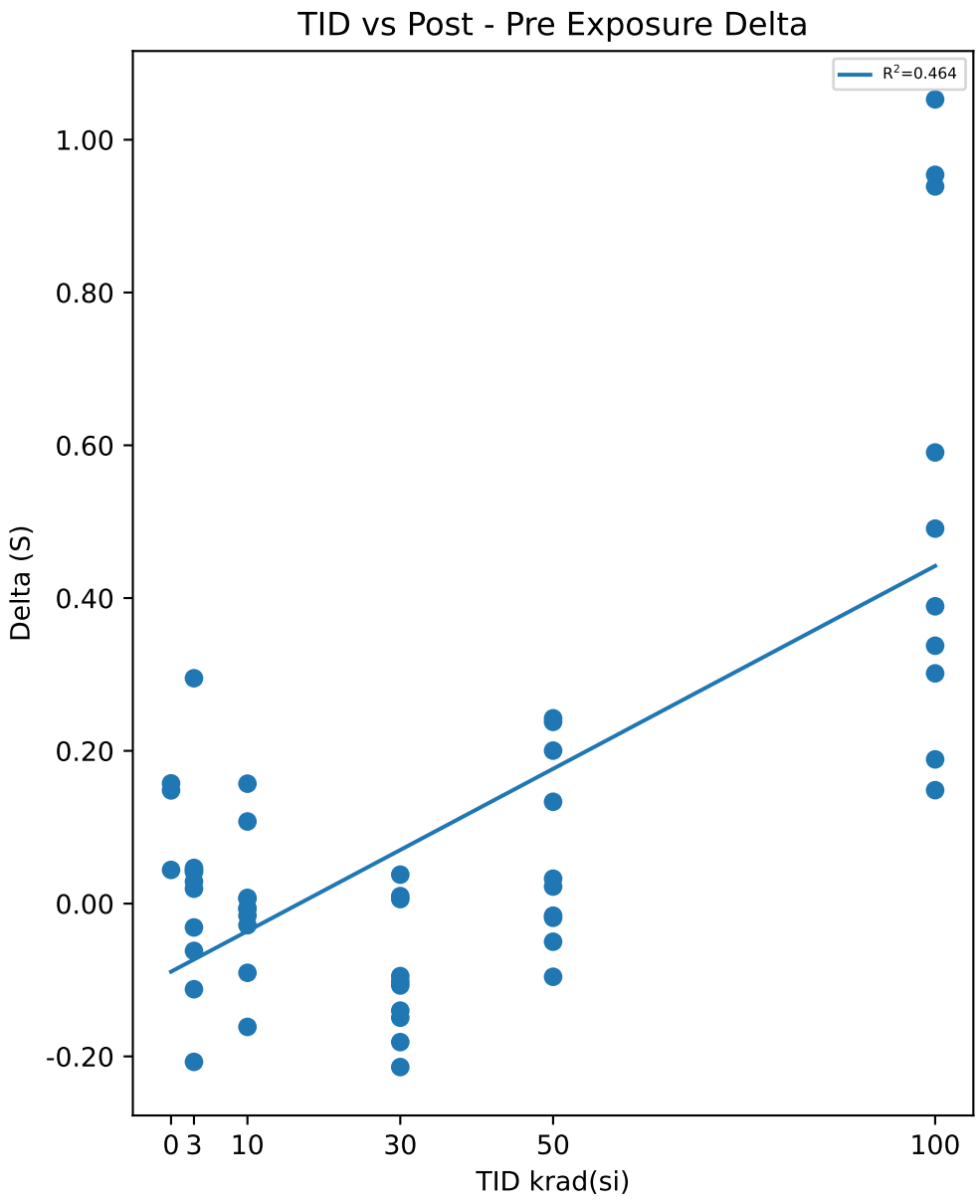
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
390	100	Biased	10.736	12.246	1.5098
392	100	Biased	11.198	11.143	-0.0547
393	100	Biased	11.072	12.117	1.0444
394	100	Biased	11.407	10.844	-0.5631
395	100	Biased	11.338	11.729	0.3905
412	100	Unbiased	10.529	10.936	0.4072
413	100	Unbiased	11.423	11.992	0.5686
414	100	Unbiased	12.251	13.934	1.6828
415	100	Unbiased	11.162	12.742	1.5809
416	100	Unbiased	10.702	11.514	0.8124
417	50	Biased	11.512	11.568	0.0562
418	50	Biased	10.808	10.979	0.1709
419	50	Biased	12.251	12.351	0.1
421	50	Biased	10.813	10.947	0.1342
422	50	Biased	11.836	11.906	0.0697
423	50	Unbiased	11.037	11.226	0.189
424	50	Unbiased	10.578	10.588	0.01
425	50	Unbiased	11.716	11.742	0.0264
426	50	Unbiased	11.097	10.998	-0.0986
427	50	Unbiased	11.349	11.239	-0.1093
463	0	Corr	10.988	11.047	0.0587
464	0	Corr	11.228	11.402	0.1738
465	0	Corr	11.842	11.907	0.065
466	30	Biased	11.299	11.364	0.065
469	30	Biased	11.174	11.02	-0.1543
470	30	Biased	10.86	10.796	-0.0637
472	30	Biased	12.136	12.059	-0.077
474	30	Biased	11.369	11.569	0.2008
475	30	Unbiased	11.548	11.383	-0.1643
477	30	Unbiased	11.211	11.299	0.0878
478	30	Unbiased	11.573	11.597	0.0234
479	30	Unbiased	11.274	11.461	0.1864
480	30	Unbiased	10.993	10.894	-0.099
481	10	Biased	11.966	11.922	-0.0447
482	10	Biased	12.011	11.85	-0.1608
483	10	Biased	11.166	11.28	0.1138
484	10	Biased	12.037	11.951	-0.0867
485	10	Biased	11.458	11.45	-0.0076
487	10	Unbiased	11.624	11.703	0.0786
488	10	Unbiased	10.801	10.998	0.1972
489	10	Unbiased	12.086	12.219	0.1333
490	10	Unbiased	10.839	10.938	0.0983
491	10	Unbiased	11.089	11.258	0.1684
492	3	Biased	10.756	10.812	0.0556
493	3	Biased	11.113	11.097	-0.0165
494	3	Biased	11.38	11.321	-0.0584
495	3	Biased	11.77	11.784	0.0133
496	3	Biased	11.271	11.309	0.0378
497	3	Unbiased	11.32	11.099	-0.2207
498	3	Unbiased	12.171	11.983	-0.1879
499	3	Unbiased	12.314	12.204	-0.11
500	3	Unbiased	11.242	11.192	-0.0501
502	3	Unbiased	11.045	11.207	0.1629

Test Statistics (S)

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	10.988	11.353	11.842	0.44024	11.047	11.452	11.907	0.4321	0.0587	0.099167	0.1738	0.064711
3	10.756	11.438	12.314	0.49722	10.812	11.401	12.204	0.44196	-0.2207	-0.0374	0.1629	0.11526
10	10.801	11.508	12.086	0.50905	10.938	11.557	12.219	0.43552	-0.1608	0.04898	0.1972	0.11797
30	10.86	11.344	12.136	0.35484	10.796	11.344	12.059	0.3729	-0.1643	0.00051	0.2008	0.13255
50	10.578	11.3	12.251	0.5295	10.588	11.355	12.351	0.5317	-0.1093	0.05485	0.189	0.10184
100	10.529	11.182	12.251	0.48812	10.844	11.92	13.934	0.93165	-0.5631	0.73788	1.6828	0.73623

Device Test: 20.55 EA_COMP_ISWITCH_GM_6A(GMPS|STATIC/SW/5////@EA_COMP_ISWITCH_GM_6A)





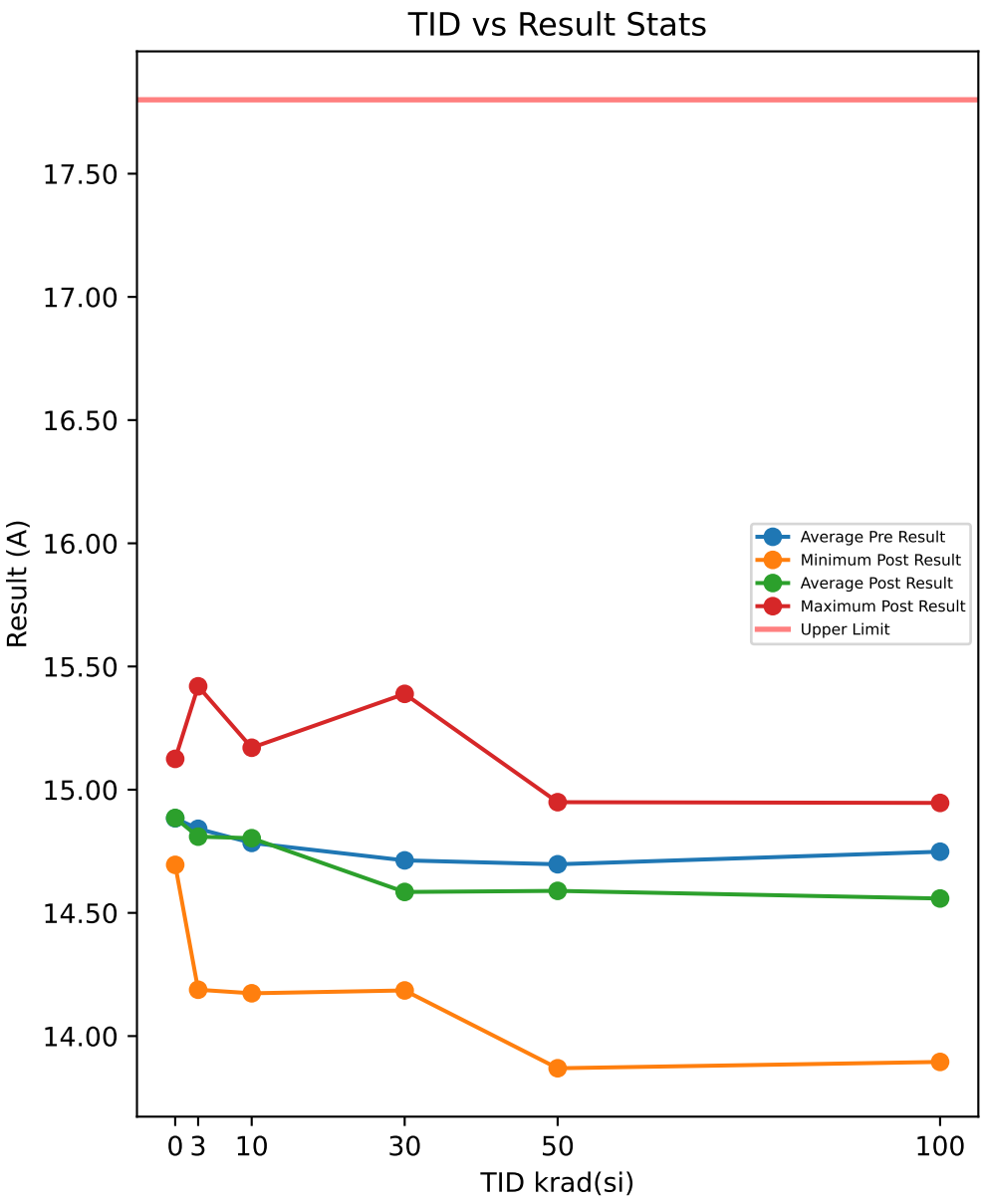
Test Results (Lower Limit = 4.6, Upper Limit = 9.2 (S))

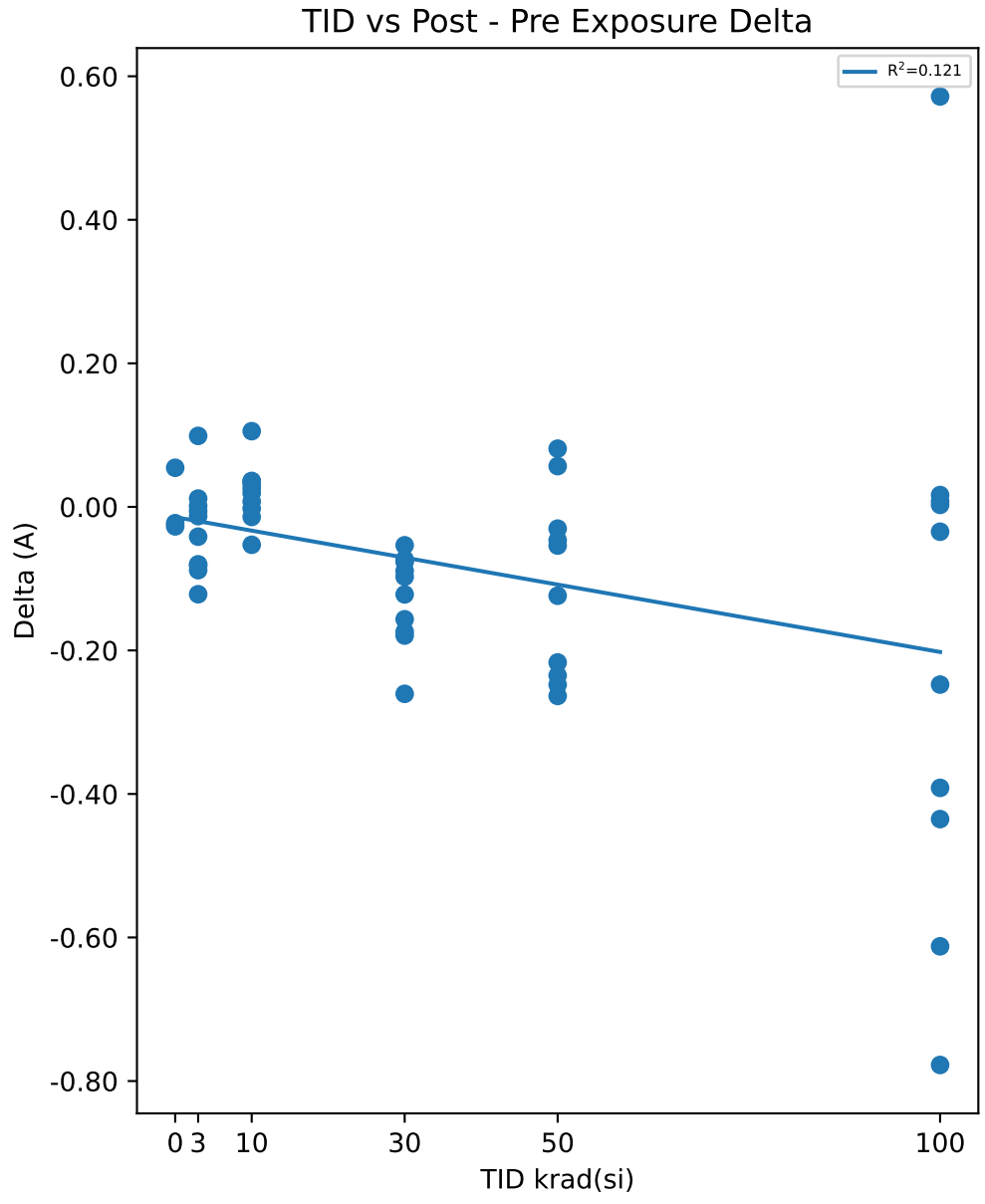
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
390	100	Biased	7.0041	7.9582	0.9541
392	100	Biased	7.3655	7.6669	0.3014
393	100	Biased	7.191	7.6819	0.4909
394	100	Biased	7.2328	7.4216	0.1888
395	100	Biased	7.1612	7.4988	0.3376
412	100	Unbiased	6.9024	7.0509	0.1485
413	100	Unbiased	7.237	7.8276	0.5906
414	100	Unbiased	7.6871	8.626	0.9389
415	100	Unbiased	7.042	8.0948	1.0528
416	100	Unbiased	6.7881	7.1773	0.3892
417	50	Biased	7.1123	7.1449	0.0326
418	50	Biased	6.755	6.9976	0.2426
419	50	Biased	7.7465	7.6507	-0.0958
421	50	Biased	6.93	6.9523	0.0223
422	50	Biased	7.4556	7.6559	0.2003
423	50	Unbiased	6.9769	7.1102	0.1333
424	50	Unbiased	6.9686	6.9187	-0.0499
425	50	Unbiased	7.3478	7.5857	0.2379
426	50	Unbiased	7.083	7.0672	-0.0158
427	50	Unbiased	7.1882	7.1696	-0.0186
463	0	Corr	6.9738	7.122	0.1482
464	0	Corr	7.3986	7.4427	0.0441
465	0	Corr	7.2724	7.4298	0.1574
466	30	Biased	7.3529	7.1716	-0.1813
469	30	Biased	7.3117	7.0977	-0.214
470	30	Biased	7.0673	6.9654	-0.1019
472	30	Biased	7.7325	7.5924	-0.1401
474	30	Biased	7.3632	7.373	0.0098
475	30	Unbiased	7.3329	7.2257	-0.1072
477	30	Unbiased	7.0375	7.0434	0.0059
478	30	Unbiased	7.3321	7.37	0.0379
479	30	Unbiased	7.2975	7.1481	-0.1494
480	30	Unbiased	7.0792	6.9843	-0.0949
481	10	Biased	7.4788	7.4505	-0.0283
482	10	Biased	7.3599	7.3674	0.0075
483	10	Biased	7.1774	7.1617	-0.0157
484	10	Biased	7.6494	7.643	-0.0064
485	10	Biased	7.1919	7.2994	0.1075
487	10	Unbiased	7.4252	7.4188	-0.0064
488	10	Unbiased	6.9516	6.861	-0.0906
489	10	Unbiased	7.6106	7.4492	-0.1614
490	10	Unbiased	6.9012	7.0582	0.157
491	10	Unbiased	7.2836	7.29	0.0064
492	3	Biased	6.8426	6.884	0.0414
493	3	Biased	6.9153	7.2103	0.295
494	3	Biased	7.3225	7.3661	0.0436
495	3	Biased	7.5548	7.4427	-0.1121
496	3	Biased	7.26	7.1981	-0.0619
497	3	Unbiased	7.0511	7.0199	-0.0312
498	3	Unbiased	7.6972	7.49	-0.2072
499	3	Unbiased	7.4109	7.4399	0.029
500	3	Unbiased	7.3724	7.4191	0.0467
502	3	Unbiased	7.032	7.0515	0.0195

Test Statistics (S)

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	6.9738	7.2149	7.3986	0.21815	7.122	7.3315	7.4427	0.18155	0.0441	0.11657	0.1574	0.062926
3	6.8426	7.2459	7.6972	0.27969	6.884	7.2522	7.49	0.21171	-0.2072	0.00628	0.295	0.13079
10	6.9012	7.303	7.6494	0.25323	6.861	7.2999	7.643	0.22401	-0.1614	-0.00304	0.157	0.089192
30	7.0375	7.2907	7.7325	0.20195	6.9654	7.1972	7.5924	0.19817	-0.214	-0.09352	0.0379	0.085377
50	6.755	7.1564	7.7465	0.29109	6.9187	7.2253	7.6559	0.29144	-0.0958	0.06889	0.2426	0.12459
100	6.7881	7.1611	7.6871	0.25279	7.0509	7.7004	8.626	0.46071	0.1485	0.53928	1.0528	0.33263

Device Test: 20.6 HIGHSIDE_CURR_LIM_13A(THRESHOLD|RISE/SW/4.5////@HIGHSIDE_CURR_LIM_13A)





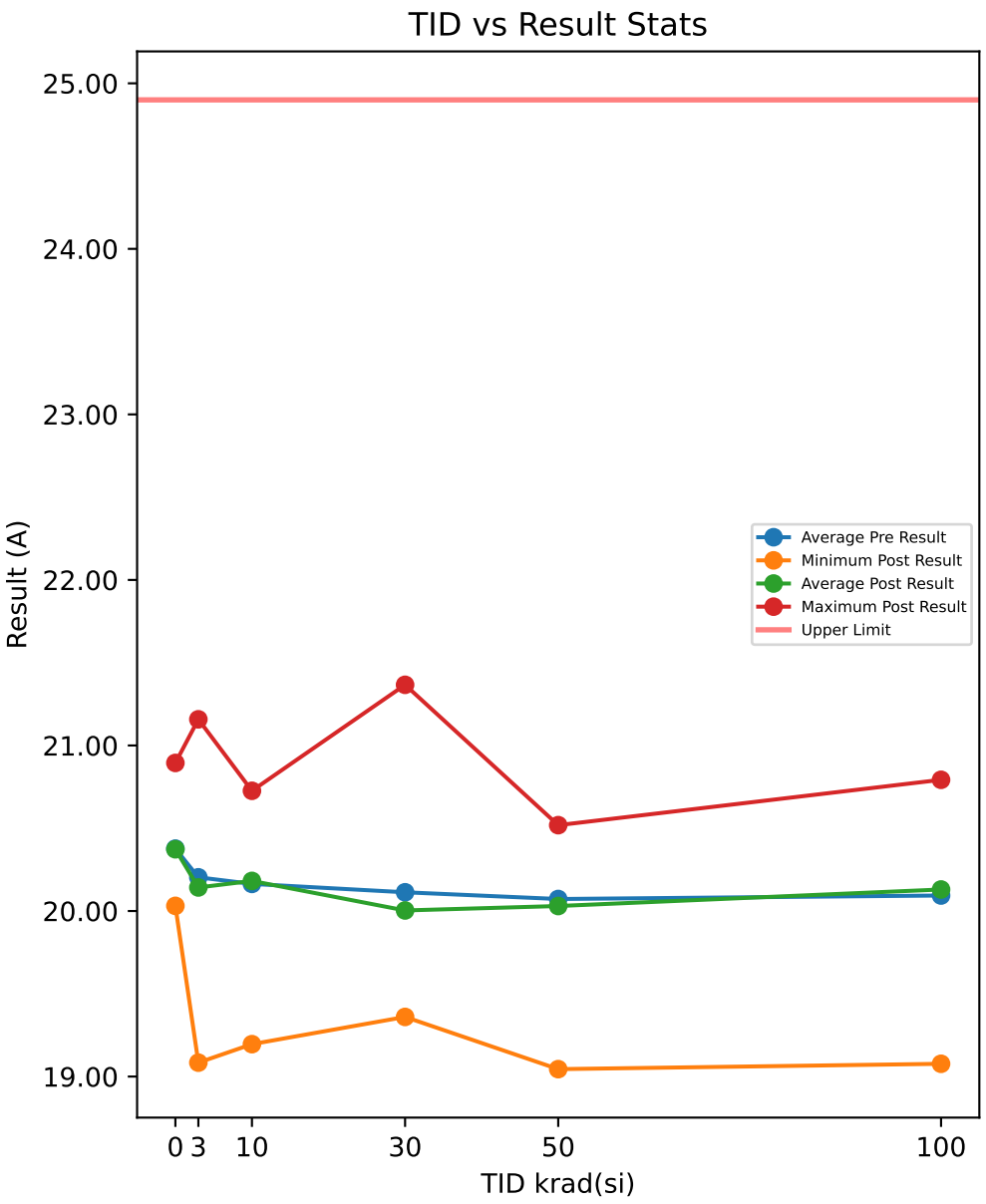
Test Results (Upper Limit = 17.8 (A))

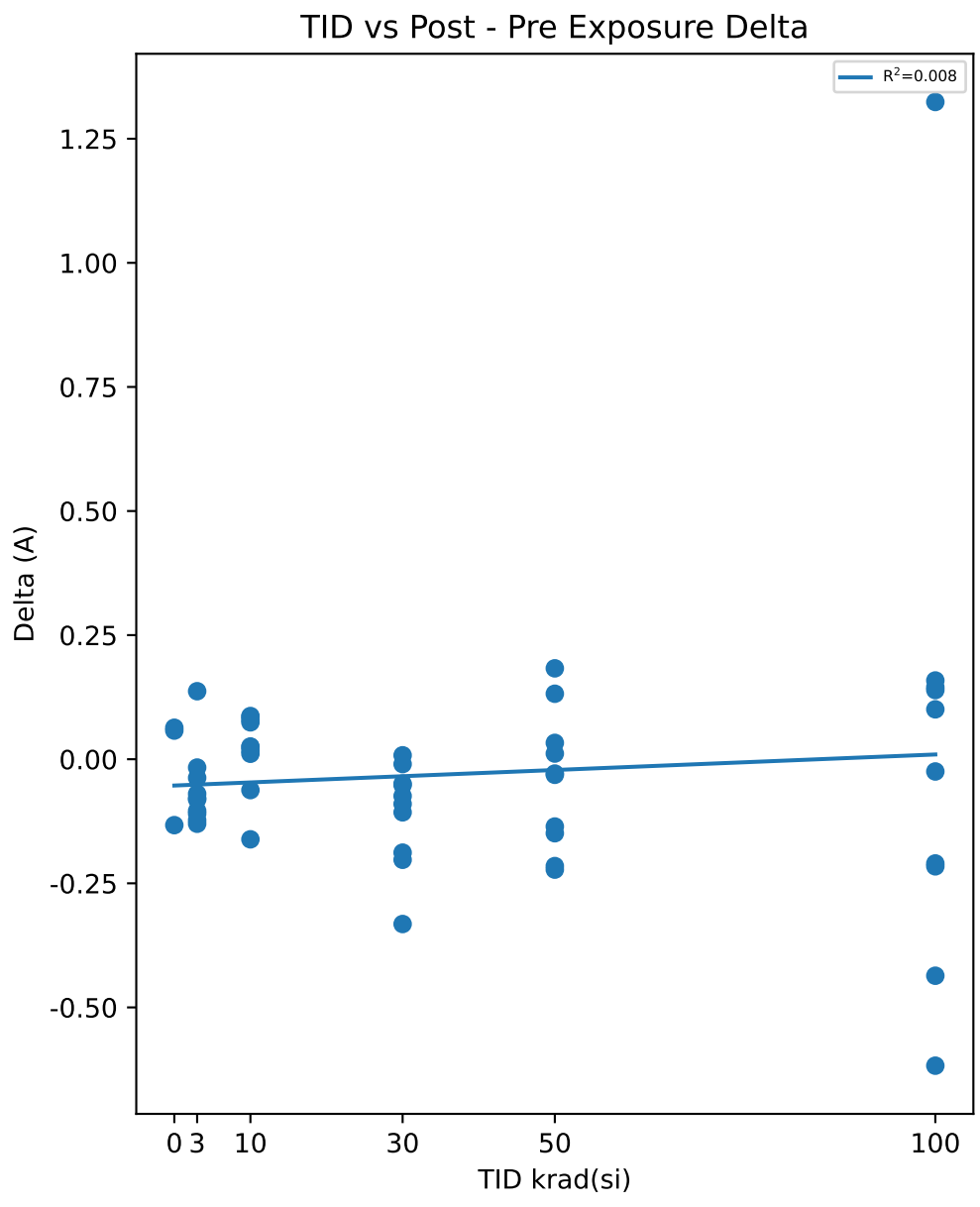
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
390	100	Biased	15.116	14.869	-0.2476
392	100	Biased	14.919	14.306	-0.6123
393	100	Biased	14.33	13.895	-0.435
394	100	Biased	14.73	13.952	-0.7776
395	100	Biased	14.868	14.476	-0.3915
412	100	Unbiased	14.943	14.945	0.0028
413	100	Unbiased	14.757	14.723	-0.0346
414	100	Unbiased	14.93	14.946	0.0165
415	100	Unbiased	14.283	14.854	0.5718
416	100	Unbiased	14.608	14.616	0.0079
417	50	Biased	14.316	14.286	-0.0303
418	50	Biased	14.566	14.349	-0.2168
419	50	Biased	14.986	14.722	-0.2634
421	50	Biased	15.156	14.908	-0.2477
422	50	Biased	15.073	14.949	-0.1238
423	50	Unbiased	14.664	14.721	0.0568
424	50	Unbiased	14.801	14.748	-0.0539
425	50	Unbiased	14.557	14.638	0.0811
426	50	Unbiased	14.75	14.704	-0.0464
427	50	Unbiased	14.104	13.869	-0.2349
463	0	Corr	14.781	14.836	0.0545
464	0	Corr	15.148	15.125	-0.0227
465	0	Corr	14.722	14.695	-0.0272
466	30	Biased	14.477	14.297	-0.1793
469	30	Biased	14.494	14.338	-0.1566
470	30	Biased	14.88	14.619	-0.2605
472	30	Biased	15.13	15.057	-0.0732
474	30	Biased	15.478	15.389	-0.0891
475	30	Unbiased	14.354	14.3	-0.0535
477	30	Unbiased	14.283	14.185	-0.0973
478	30	Unbiased	14.563	14.486	-0.0766
479	30	Unbiased	15.035	14.861	-0.174
480	30	Unbiased	14.438	14.316	-0.122
481	10	Biased	14.899	14.906	0.0076
482	10	Biased	14.414	14.445	0.0318
483	10	Biased	14.871	14.819	-0.0528
484	10	Biased	14.518	14.537	0.019
485	10	Biased	14.138	14.174	0.0359
487	10	Unbiased	15.001	15.037	0.036
488	10	Unbiased	14.841	14.946	0.1055
489	10	Unbiased	14.972	14.958	-0.014
490	10	Unbiased	15.041	15.039	-0.0023
491	10	Unbiased	15.145	15.17	0.0254
492	3	Biased	14.435	14.355	-0.08
493	3	Biased	14.187	14.188	0.0014
494	3	Biased	15.065	14.944	-0.1217
495	3	Biased	15.432	15.42	-0.0129
496	3	Biased	15.445	15.357	-0.0882
497	3	Unbiased	14.429	14.348	-0.0813
498	3	Unbiased	14.848	14.807	-0.0415
499	3	Unbiased	14.339	14.333	-0.0058
500	3	Unbiased	14.991	15.089	0.0989
502	3	Unbiased	15.242	15.253	0.0116

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	14.722	14.884	15.148	0.2306	14.695	14.885	15.125	0.21932	-0.0272	0.0015333	0.0545	0.045926
3	14.187	14.841	15.445	0.46694	14.188	14.809	15.42	0.4711	-0.1217	-0.03195	0.0989	0.064319
10	14.138	14.784	15.145	0.32108	14.174	14.803	15.17	0.31533	-0.0528	0.01921	0.1055	0.040946
30	14.283	14.713	15.478	0.39541	14.185	14.585	15.389	0.3963	-0.2605	-0.12821	-0.0535	0.063952
50	14.104	14.697	15.156	0.33058	13.869	14.589	14.949	0.32913	-0.2634	-0.10793	0.0811	0.12803
100	14.283	14.748	15.116	0.2711	13.895	14.558	14.946	0.39328	-0.7776	-0.18996	0.5718	0.38745

Device Test: 20.7 HIGHSIDE_CURR_LIM_19A(THRESHOLD|RISE/SW/4.5////@HIGHSIDE_CURR_LIM_19A)





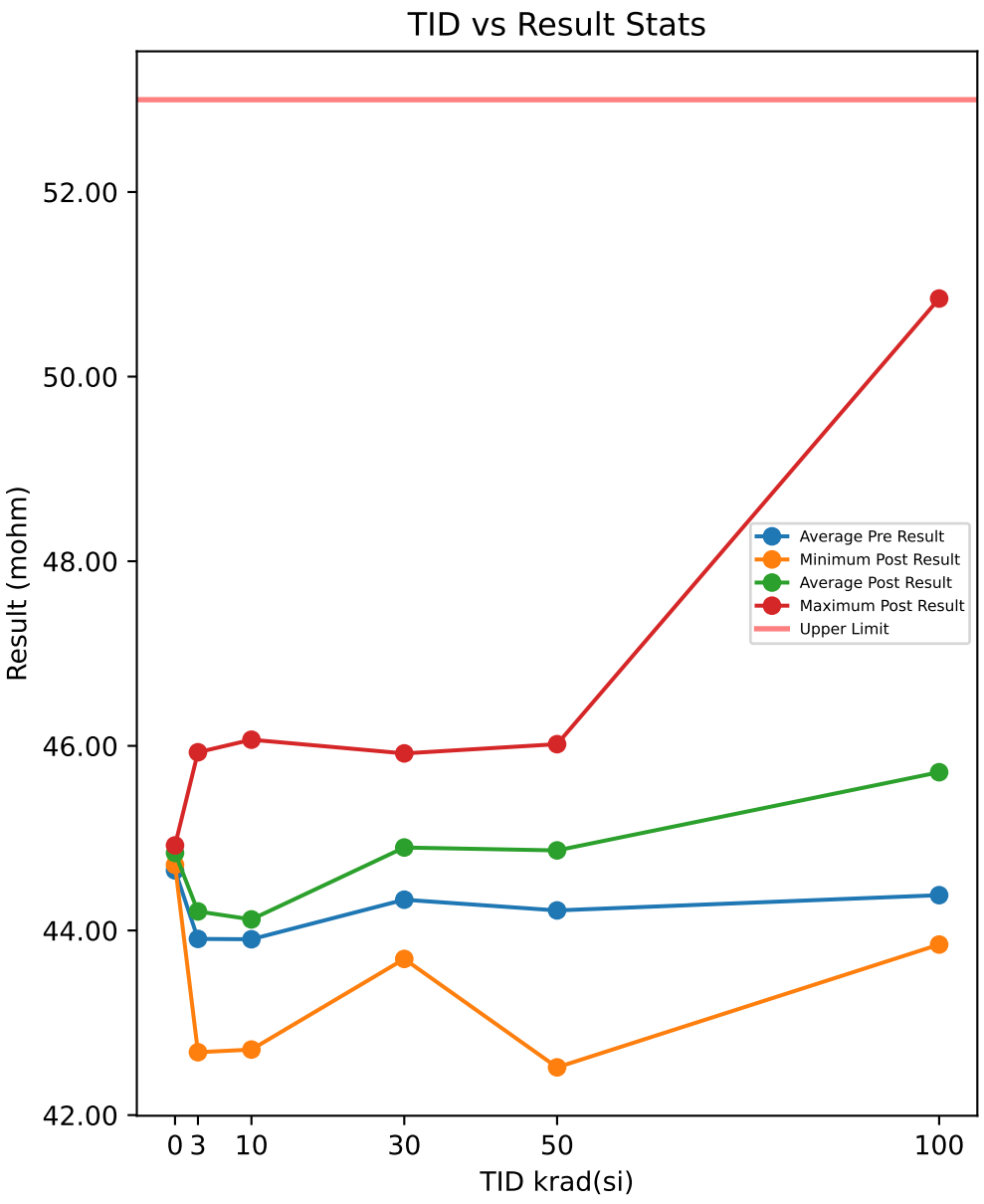
Test Results (Upper Limit = 24.9 (A))

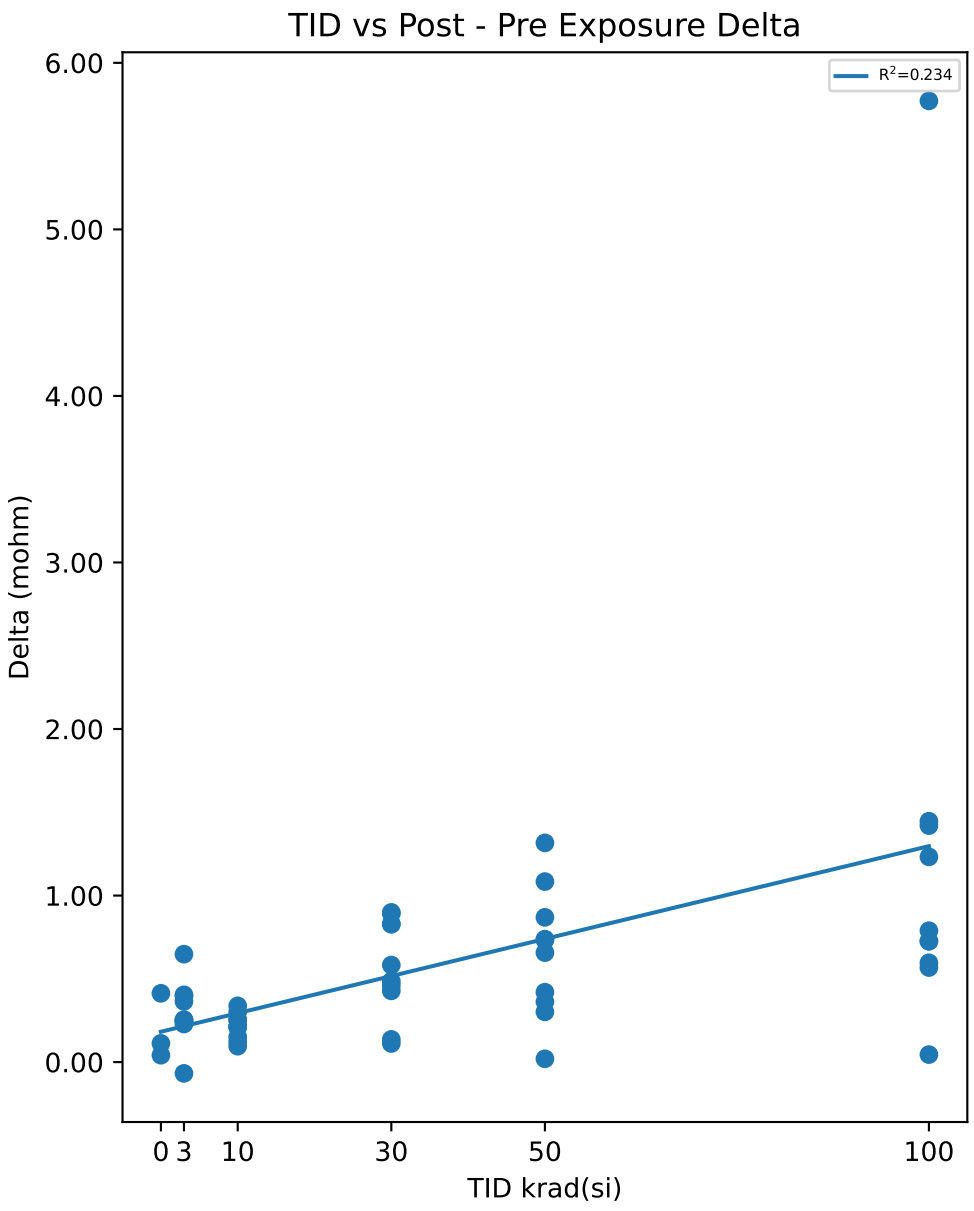
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
390	100	Biased	20.817	20.793	-0.0247
392	100	Biased	20.433	19.997	-0.4362
393	100	Biased	19.293	19.077	-0.2158
394	100	Biased	20.268	19.651	-0.6174
395	100	Biased	20.134	19.924	-0.21
412	100	Unbiased	20.423	20.582	0.1586
413	100	Unbiased	19.993	20.094	0.1005
414	100	Unbiased	20.267	20.412	0.145
415	100	Unbiased	19.401	20.725	1.3241
416	100	Unbiased	19.906	20.046	0.1393
417	50	Biased	19.69	19.822	0.1319
418	50	Biased	19.97	19.755	-0.2153
419	50	Biased	20.455	20.233	-0.2224
421	50	Biased	20.646	20.497	-0.1491
422	50	Biased	20.547	20.519	-0.0289
423	50	Unbiased	19.979	20.162	0.1831
424	50	Unbiased	20.096	20.065	-0.0314
425	50	Unbiased	19.884	19.917	0.0329
426	50	Unbiased	20.277	20.288	0.0114
427	50	Unbiased	19.18	19.045	-0.1356
463	0	Corr	20.136	20.193	0.0577
464	0	Corr	20.831	20.895	0.0634
465	0	Corr	20.164	20.031	-0.1328
466	30	Biased	19.756	19.665	-0.0901
469	30	Biased	19.814	19.626	-0.1882
470	30	Biased	20.442	20.11	-0.332
472	30	Biased	20.755	20.552	-0.2026
474	30	Biased	21.474	21.366	-0.107
475	30	Unbiased	19.559	19.567	0.0079
477	30	Unbiased	19.37	19.36	-0.0098
478	30	Unbiased	19.842	19.79	-0.0521
479	30	Unbiased	20.499	20.45	-0.0493
480	30	Unbiased	19.621	19.547	-0.0741
481	10	Biased	20.311	20.397	0.0854
482	10	Biased	19.527	19.606	0.079
483	10	Biased	20.175	20.201	0.0256
484	10	Biased	19.785	19.624	-0.1614
485	10	Biased	19.179	19.196	0.0169
487	10	Unbiased	20.52	20.607	0.087
488	10	Unbiased	20.477	20.502	0.0244
489	10	Unbiased	20.356	20.294	-0.0622
490	10	Unbiased	20.652	20.726	0.0743
491	10	Unbiased	20.655	20.666	0.011
492	3	Biased	19.57	19.501	-0.0697
493	3	Biased	19.207	19.084	-0.1229
494	3	Biased	20.439	20.309	-0.13
495	3	Biased	21.175	21.158	-0.0168
496	3	Biased	21.191	21.087	-0.104
497	3	Unbiased	19.682	19.601	-0.081
498	3	Unbiased	20.161	20.082	-0.0786
499	3	Unbiased	19.431	19.321	-0.1096
500	3	Unbiased	20.364	20.501	0.137
502	3	Unbiased	20.815	20.778	-0.0374

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	20.136	20.377	20.831	0.39366	20.031	20.373	20.895	0.4589	-0.1328	-0.0039	0.0634	0.11167
3	19.207	20.204	21.191	0.718	19.084	20.142	21.158	0.74445	-0.13	-0.0613	0.137	0.078388
10	19.179	20.164	20.655	0.50363	19.196	20.182	20.726	0.52584	-0.1614	0.018	0.087	0.078145
30	19.37	20.113	21.474	0.65922	19.36	20.003	21.366	0.62219	-0.332	-0.10973	0.0079	0.10363
50	19.18	20.073	20.646	0.43965	19.045	20.03	20.519	0.4327	-0.2224	-0.04234	0.1831	0.13843
100	19.293	20.094	20.817	0.46849	19.077	20.13	20.793	0.52529	-0.6174	0.03634	1.3241	0.52477

Device Test: 20.70 R_HIGHSIDE_12V_25C(LEVEL|HIGHSIDE/SW/12/2///@R_HIGHSIDE_12V_25C)





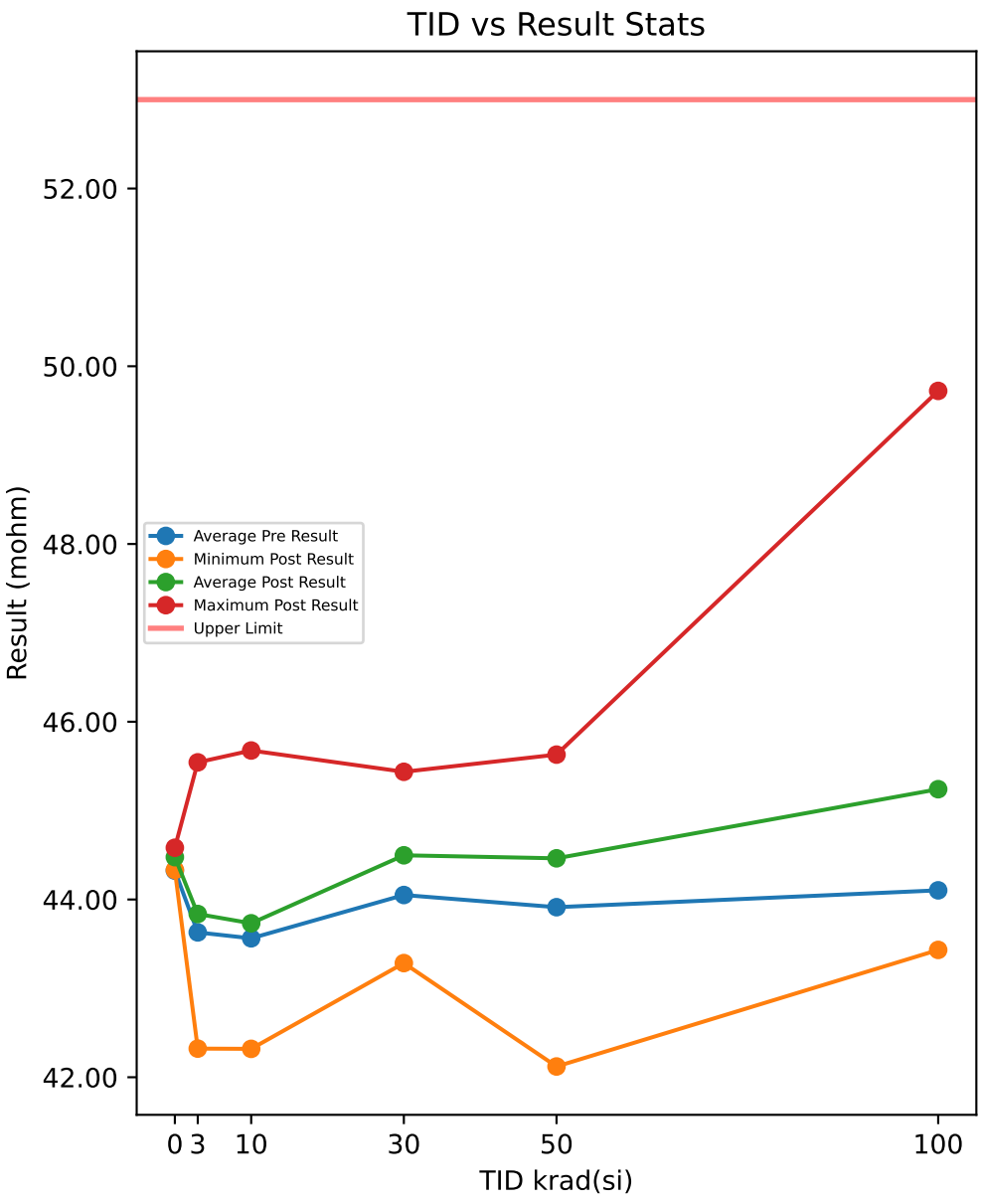
Test Results (Upper Limit = 53.0 (mohm))

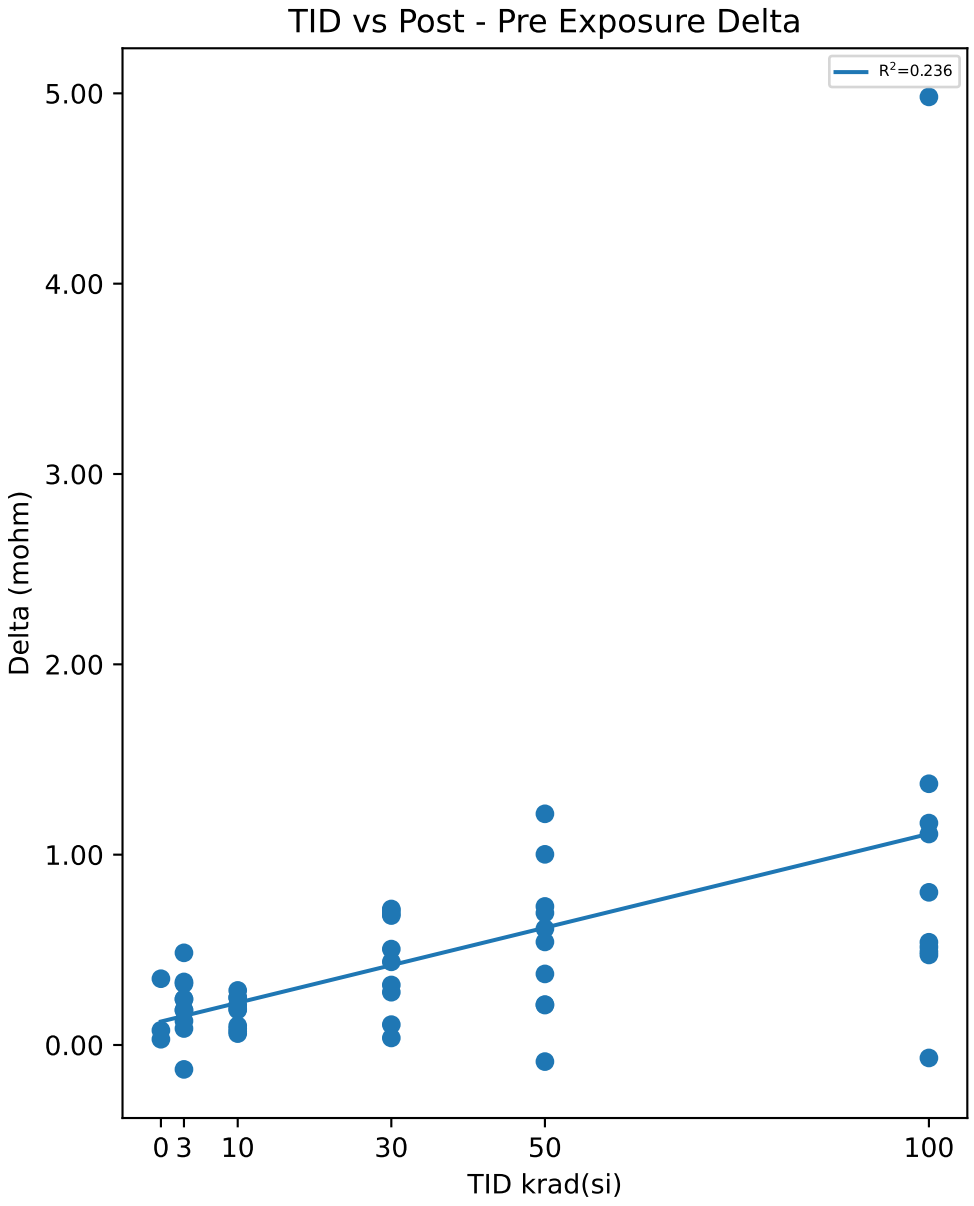
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
390	100	Biased	45.431	46.851	1.4201
392	100	Biased	45.351	46.14	0.7889
393	100	Biased	43.287	44.014	0.7274
394	100	Biased	44.767	46	1.2324
395	100	Biased	43.825	43.87	0.0451
412	100	Unbiased	44.375	44.943	0.5678
413	100	Unbiased	43.251	43.848	0.5963
414	100	Unbiased	42.983	44.43	1.4463
415	100	Unbiased	45.074	50.846	5.7715
416	100	Unbiased	45.479	46.205	0.7254
417	50	Biased	45.286	46.018	0.7326
418	50	Biased	45.207	45.946	0.7383
419	50	Biased	43.427	43.728	0.3018
421	50	Biased	44.591	45.011	0.4198
422	50	Biased	43.158	43.815	0.6573
423	50	Unbiased	44.456	44.818	0.3626
424	50	Unbiased	45.01	45.879	0.8692
425	50	Unbiased	42.497	42.517	0.0198
426	50	Unbiased	44.871	45.955	1.084
427	50	Unbiased	43.669	44.985	1.3163
463	0	Corr	44.598	44.711	0.1124
464	0	Corr	44.846	44.888	0.0414
465	0	Corr	44.509	44.922	0.413
466	30	Biased	44.339	45.167	0.8275
469	30	Biased	43.789	43.926	0.1363
470	30	Biased	44.022	44.134	0.1119
472	30	Biased	43.264	43.692	0.4277
474	30	Biased	45.038	45.498	0.4606
475	30	Unbiased	44.53	45.36	0.8301
477	30	Unbiased	45.027	45.918	0.8917
478	30	Unbiased	43.826	44.726	0.899
479	30	Unbiased	45.195	45.681	0.486
480	30	Unbiased	44.303	44.886	0.5827
481	10	Biased	44.079	44.293	0.2137
482	10	Biased	43.022	43.276	0.254
483	10	Biased	43.213	43.309	0.0954
484	10	Biased	42.496	42.71	0.2136
485	10	Biased	44.105	44.357	0.2518
487	10	Unbiased	44.424	44.635	0.2105
488	10	Unbiased	44.851	45.003	0.1517
489	10	Unbiased	43.185	43.523	0.3379
490	10	Unbiased	45.945	46.067	0.1216
491	10	Unbiased	43.726	44.027	0.3012
492	3	Biased	44.345	44.749	0.404
493	3	Biased	43.669	43.915	0.2455
494	3	Biased	43.347	43.996	0.6482
495	3	Biased	43.795	44.045	0.2498
496	3	Biased	44.739	44.991	0.2518
497	3	Unbiased	45.566	45.931	0.3645
498	3	Unbiased	42.426	42.681	0.2549
499	3	Unbiased	43.039	43.437	0.398
500	3	Unbiased	43.28	43.509	0.2286
502	3	Unbiased	44.879	44.811	-0.0678

Test Statistics (mohm)

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	44.509	44.651	44.846	0.17494	44.711	44.84	44.922	0.11331	0.0414	0.18893	0.413	0.19727
3	42.426	43.909	45.566	0.96049	42.681	44.206	45.931	0.93151	-0.0678	0.29775	0.6482	0.18135
10	42.496	43.905	45.945	1.0105	42.71	44.12	46.067	0.98002	0.0954	0.21514	0.3379	0.076353
30	43.264	44.333	45.195	0.62825	43.692	44.899	45.918	0.76847	0.1119	0.56535	0.899	0.29493
50	42.497	44.217	45.286	0.96501	42.517	44.867	46.018	1.186	0.0198	0.65017	1.3163	0.38716
100	42.983	44.382	45.479	0.97829	43.848	45.715	50.846	2.1121	0.0451	1.3321	5.7715	1.6176

Device Test: 20.71 R_HIGHSIDE_12V_25C(LEVEL|HIGHSIDE/SW/12/12///@R_HIGHSIDE_12V_25C)





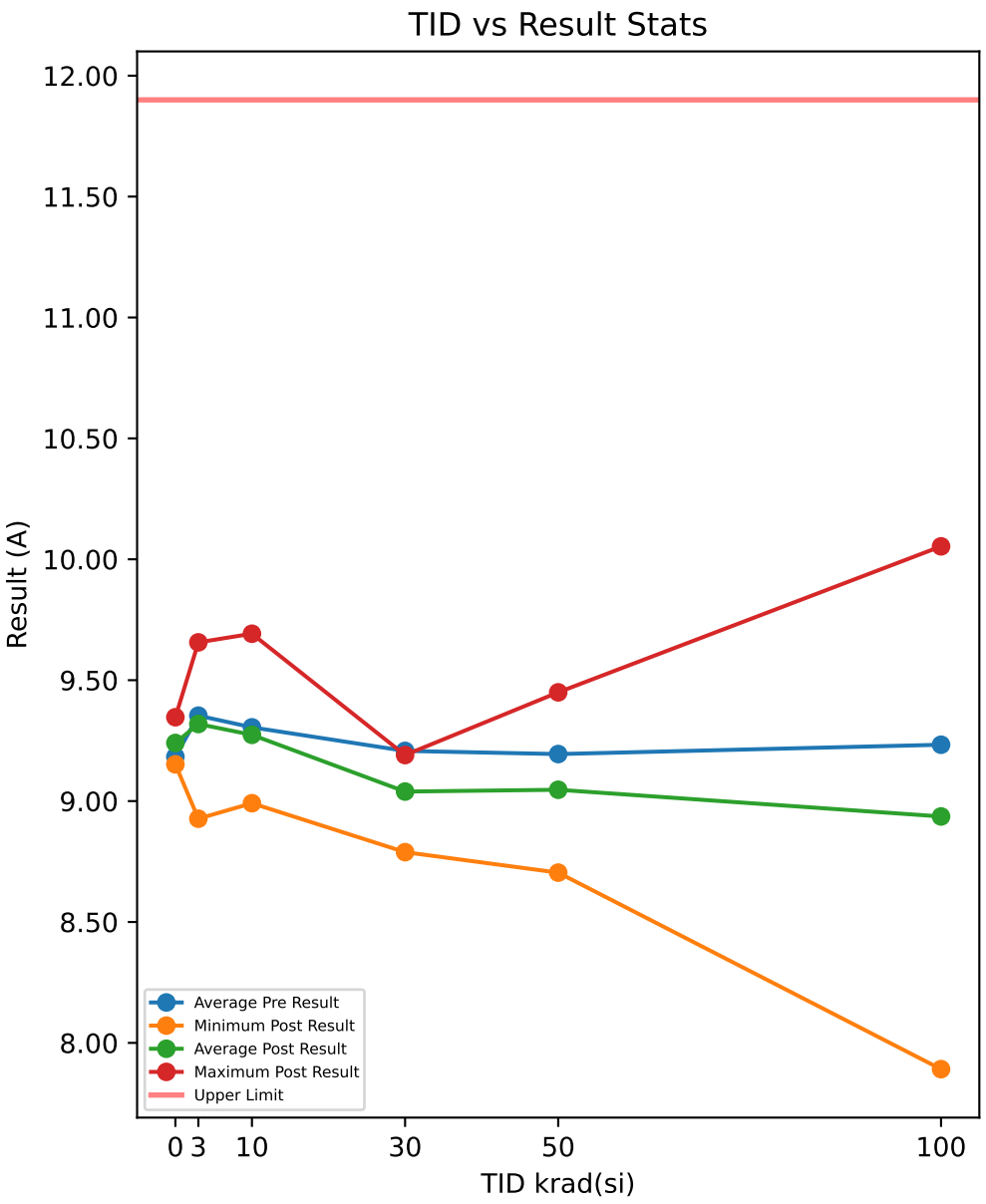
Test Results (Upper Limit = 53.0 (mohm))

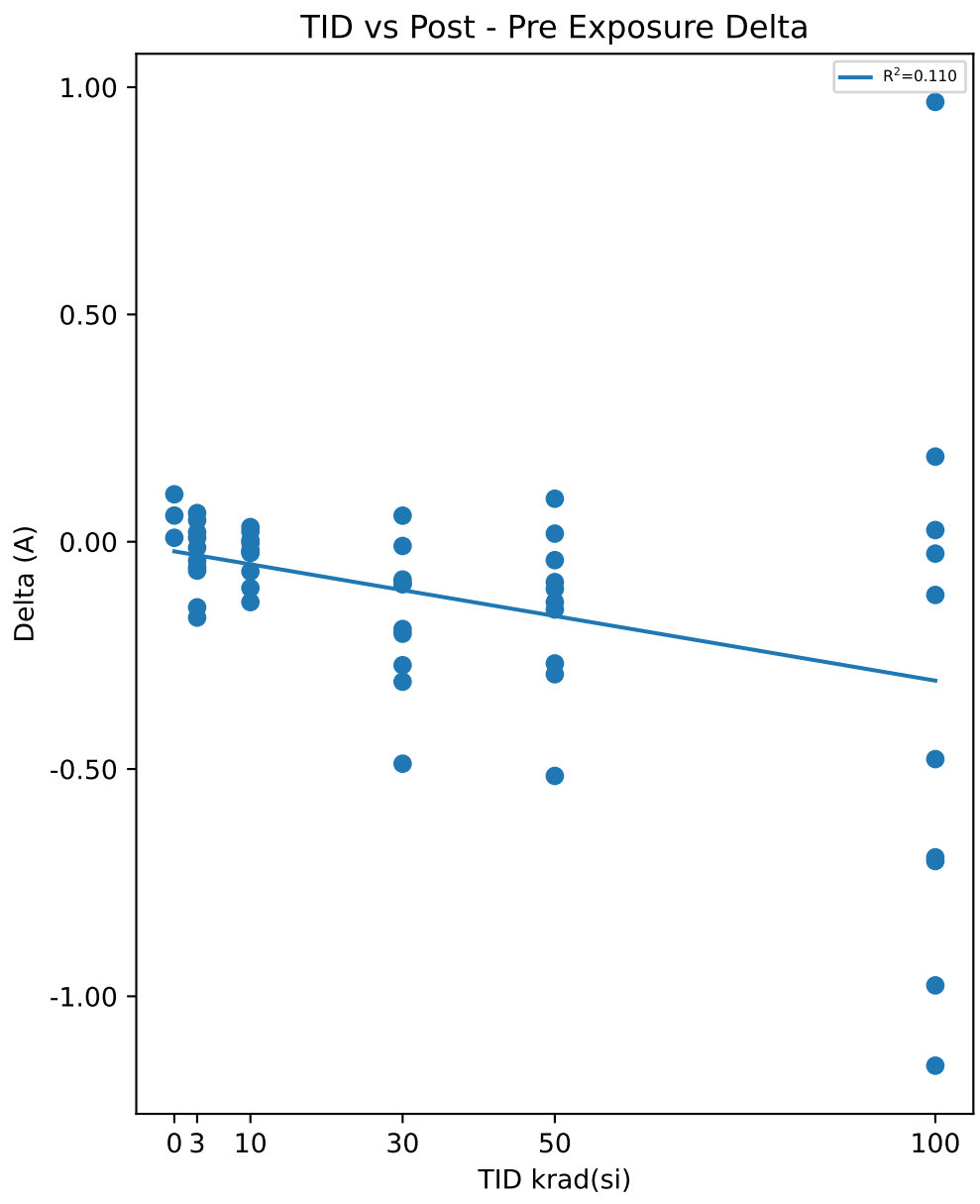
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
390	100	Biased	45.182	46.348	1.1659
392	100	Biased	44.943	45.745	0.8021
393	100	Biased	43.087	43.626	0.5398
394	100	Biased	44.399	45.508	1.1085
395	100	Biased	43.614	43.545	-0.0681
412	100	Unbiased	44.177	44.65	0.4731
413	100	Unbiased	42.943	43.433	0.49
414	100	Unbiased	42.649	44.022	1.3725
415	100	Unbiased	44.741	49.723	4.9813
416	100	Unbiased	45.295	45.81	0.5149
417	50	Biased	44.902	45.63	0.728
418	50	Biased	44.913	45.454	0.5415
419	50	Biased	43.153	43.366	0.2124
421	50	Biased	44.273	44.646	0.3734
422	50	Biased	42.812	43.423	0.6114
423	50	Unbiased	44.196	44.406	0.2098
424	50	Unbiased	44.783	45.477	0.6936
425	50	Unbiased	42.208	42.121	-0.0872
426	50	Unbiased	44.58	45.582	1.0017
427	50	Unbiased	43.313	44.528	1.2146
463	0	Corr	44.302	44.332	0.0302
464	0	Corr	44.438	44.516	0.0771
465	0	Corr	44.234	44.582	0.3482
466	30	Biased	44.056	44.763	0.7073
469	30	Biased	43.482	43.589	0.107
470	30	Biased	43.763	43.8	0.037
472	30	Biased	43.007	43.284	0.2773
474	30	Biased	44.814	45.13	0.3154
475	30	Unbiased	44.169	44.858	0.6886
477	30	Unbiased	44.722	45.437	0.7146
478	30	Unbiased	43.604	44.284	0.6801
479	30	Unbiased	44.886	45.323	0.4369
480	30	Unbiased	44.001	44.505	0.5039
481	10	Biased	43.742	43.843	0.1013
482	10	Biased	42.683	42.895	0.2113
483	10	Biased	42.906	42.966	0.0598
484	10	Biased	42.135	42.319	0.1846
485	10	Biased	43.752	43.942	0.1902
487	10	Unbiased	44.19	44.261	0.0709
488	10	Unbiased	44.422	44.673	0.2507
489	10	Unbiased	42.828	43.114	0.2867
490	10	Unbiased	45.59	45.676	0.0863
491	10	Unbiased	43.385	43.632	0.2474
492	3	Biased	44.103	44.345	0.2415
493	3	Biased	43.289	43.529	0.2406
494	3	Biased	43.084	43.569	0.4842
495	3	Biased	43.596	43.722	0.1264
496	3	Biased	44.384	44.707	0.3222
497	3	Unbiased	45.361	45.543	0.1823
498	3	Unbiased	42.138	42.322	0.1839
499	3	Unbiased	42.709	43.04	0.3313
500	3	Unbiased	43.042	43.129	0.0866
502	3	Unbiased	44.59	44.462	-0.1282

Test Statistics (mohm)

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	44.234	44.325	44.438	0.10418	44.332	44.477	44.582	0.12937	0.0302	0.15183	0.3482	0.17167
3	42.138	43.63	45.361	0.97438	42.322	43.837	45.543	0.93844	-0.1282	0.20708	0.4842	0.16411
10	42.135	43.563	45.59	1.0069	42.319	43.732	45.676	0.98188	0.0598	0.16892	0.2867	0.083085
30	43.007	44.05	44.886	0.61846	43.284	44.497	45.437	0.74477	0.037	0.44681	0.7146	0.255
50	42.208	43.913	44.913	0.96872	42.121	44.463	45.63	1.1755	-0.0872	0.54992	1.2146	0.38998
100	42.649	44.103	45.295	0.97321	43.433	45.241	49.723	1.9017	-0.0681	1.138	4.9813	1.4143

Device Test: 20.73 HIGHSIDE_CURR_LIM_9A(THRESHOLD|RISE/SW/12////@HIGHSIDE_CURR_LIM_9A)





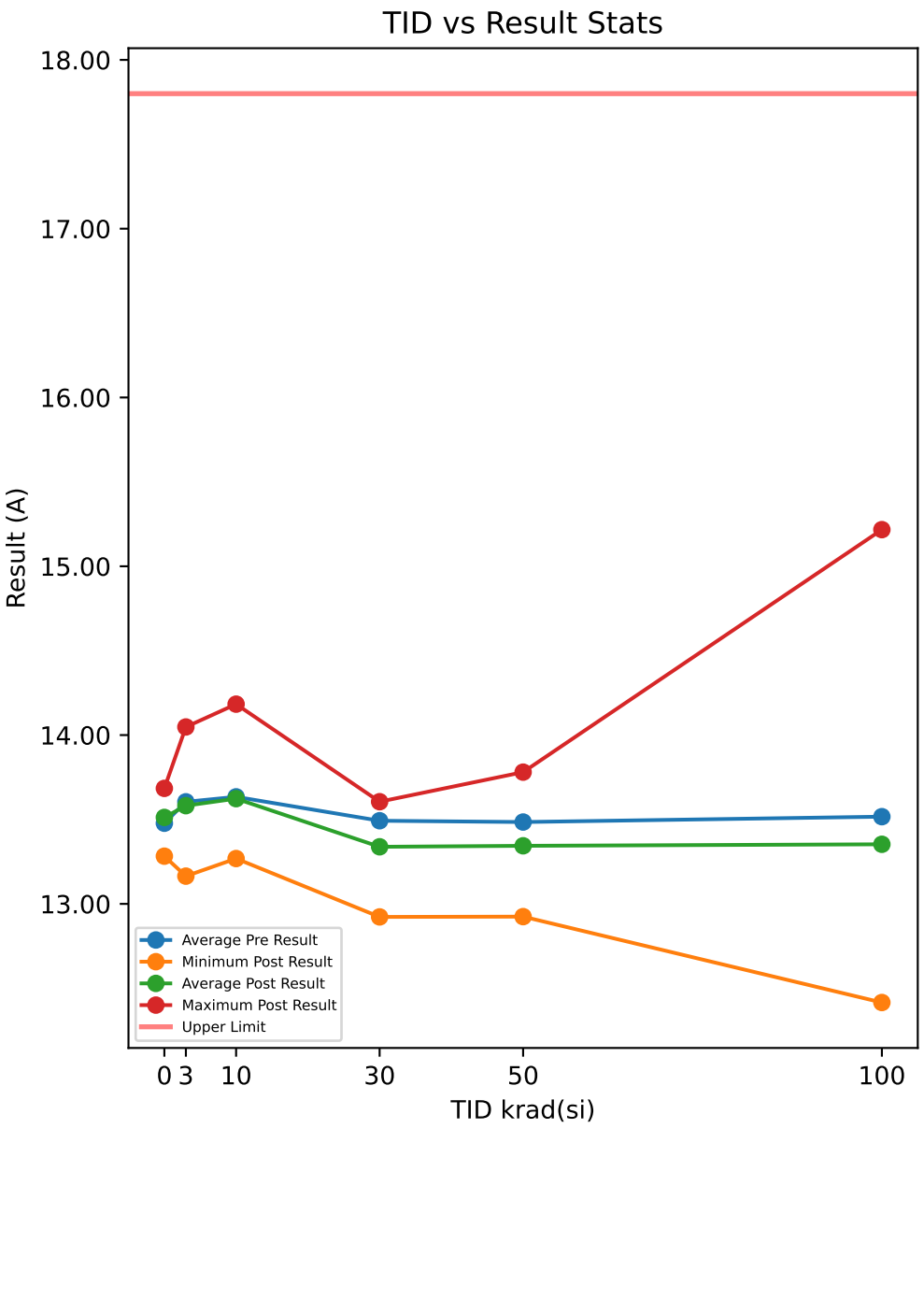
Test Results (Upper Limit = 11.9 (A))

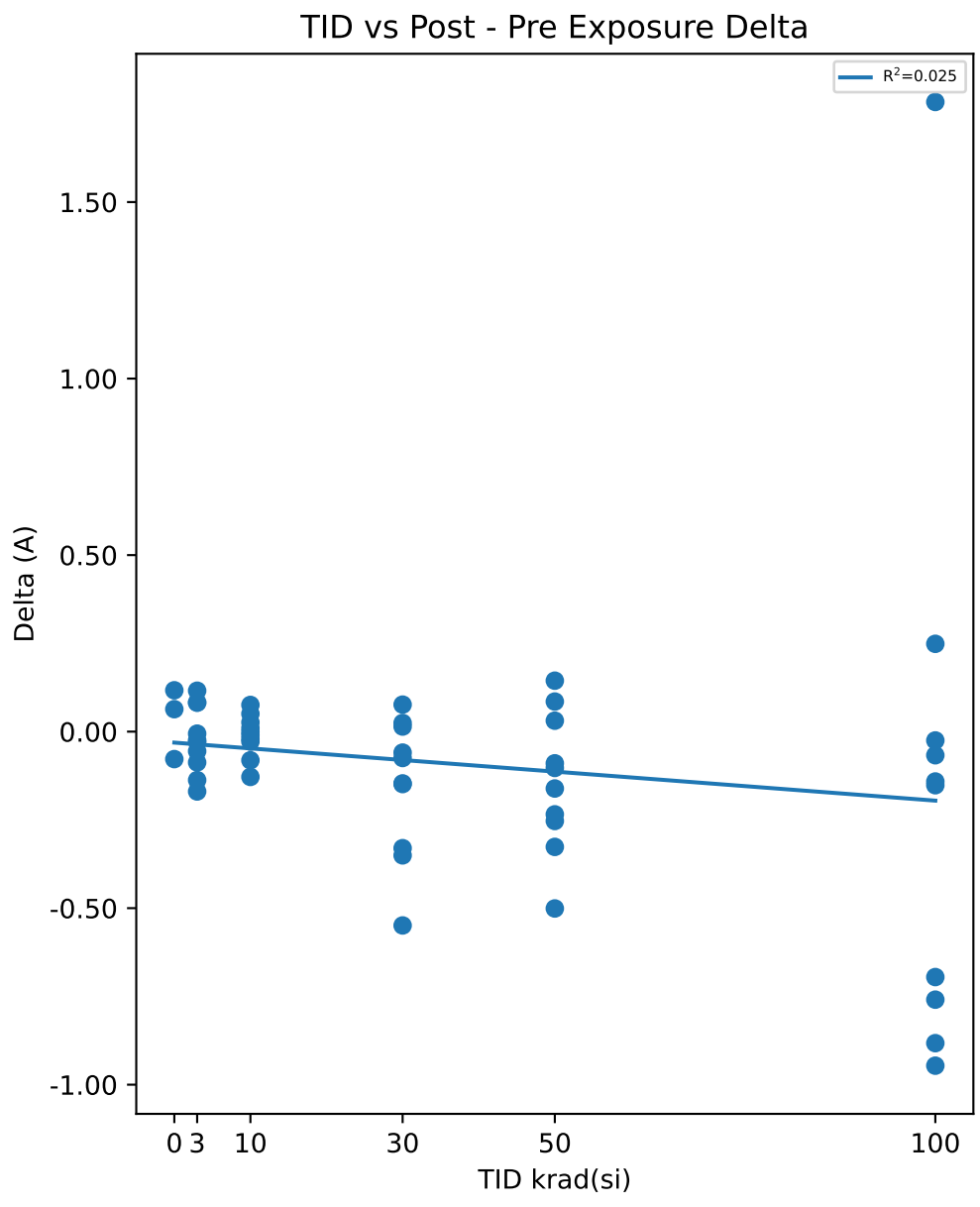
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
390	100	Biased	9.3722	8.894	-0.4782
392	100	Biased	9.2268	8.2508	-0.976
393	100	Biased	9.1489	8.4464	-0.7025
394	100	Biased	9.044	7.8914	-1.1526
395	100	Biased	9.2691	8.5749	-0.6942
412	100	Unbiased	9.3656	9.3395	-0.0261
413	100	Unbiased	9.3824	9.2653	-0.1171
414	100	Unbiased	9.3201	9.5074	0.1873
415	100	Unbiased	9.086	10.053	0.9675
416	100	Unbiased	9.1151	9.1408	0.0257
417	50	Biased	8.8507	8.747	-0.1037
418	50	Biased	9.001	8.7333	-0.2677
419	50	Biased	9.2193	8.7041	-0.5152
421	50	Biased	9.5624	9.2709	-0.2915
422	50	Biased	9.5988	9.4497	-0.1491
423	50	Unbiased	9.2085	9.3031	0.0946
424	50	Unbiased	9.3583	9.2695	-0.0888
425	50	Unbiased	9.2735	9.1408	-0.1327
426	50	Unbiased	8.9858	9.0037	0.0179
427	50	Unbiased	8.8864	8.8459	-0.0405
463	0	Corr	9.118	9.2224	0.1044
464	0	Corr	9.3381	9.3468	0.0087
465	0	Corr	9.0943	9.1519	0.0576
466	30	Biased	9.1022	8.9102	-0.192
469	30	Biased	8.9911	8.7888	-0.2023
470	30	Biased	9.3587	8.8704	-0.4883
472	30	Biased	9.4396	9.168	-0.2716
474	30	Biased	9.3467	9.0388	-0.3079
475	30	Unbiased	9.1329	9.1903	0.0574
477	30	Unbiased	9.0604	9.0511	-0.0093
478	30	Unbiased	9.2809	9.1897	-0.0912
479	30	Unbiased	9.1688	9.0857	-0.0831
480	30	Unbiased	9.1943	9.1006	-0.0937
481	10	Biased	9.4634	9.4411	-0.0223
482	10	Biased	9.0518	9.0741	0.0223
483	10	Biased	9.3173	9.2926	-0.0247
484	10	Biased	9.2821	9.1492	-0.1329
485	10	Biased	9.0566	8.9912	-0.0654
487	10	Unbiased	9.2938	9.2754	-0.0184
488	10	Unbiased	9.1799	9.2122	0.0323
489	10	Unbiased	9.4391	9.3372	-0.1019
490	10	Unbiased	9.2711	9.2742	0.0031
491	10	Unbiased	9.6948	9.6921	-0.0027
492	3	Biased	9.2259	9.0816	-0.1443
493	3	Biased	9.1329	9.1536	0.0207
494	3	Biased	9.7285	9.5616	-0.1669
495	3	Biased	9.3397	9.3486	0.0089
496	3	Biased	9.5916	9.5786	-0.013
497	3	Unbiased	8.9906	8.9271	-0.0635
498	3	Unbiased	9.4514	9.3953	-0.0561
499	3	Unbiased	9.059	9.0172	-0.0418
500	3	Unbiased	9.5933	9.6564	0.0631
502	3	Unbiased	9.4203	9.4676	0.0473

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	9.0943	9.1835	9.3381	0.13444	9.1519	9.2404	9.3468	0.098684	0.0087	0.0569	0.1044	0.047854
3	8.9906	9.3533	9.7285	0.24775	8.9271	9.3188	9.6564	0.25761	-0.1669	-0.03456	0.0631	0.076417
10	9.0518	9.305	9.6948	0.19392	8.9912	9.2739	9.6921	0.19619	-0.1329	-0.03106	0.0323	0.053416
30	8.9911	9.2076	9.4396	0.14464	8.7888	9.0394	9.1903	0.13983	-0.4883	-0.1682	0.0574	0.15961
50	8.8507	9.1945	9.5988	0.26391	8.7041	9.0468	9.4497	0.27578	-0.5152	-0.14767	0.0946	0.17429
100	9.044	9.233	9.3824	0.12759	7.8914	8.9364	10.053	0.65158	-1.1526	-0.29662	0.9675	0.63171

Device Test: 20.74 HIGHSIDE_CURR_LIM_13A(THRESHOLD|RISE/SW/12////@HIGHSIDE_CURR_LIM_13A)





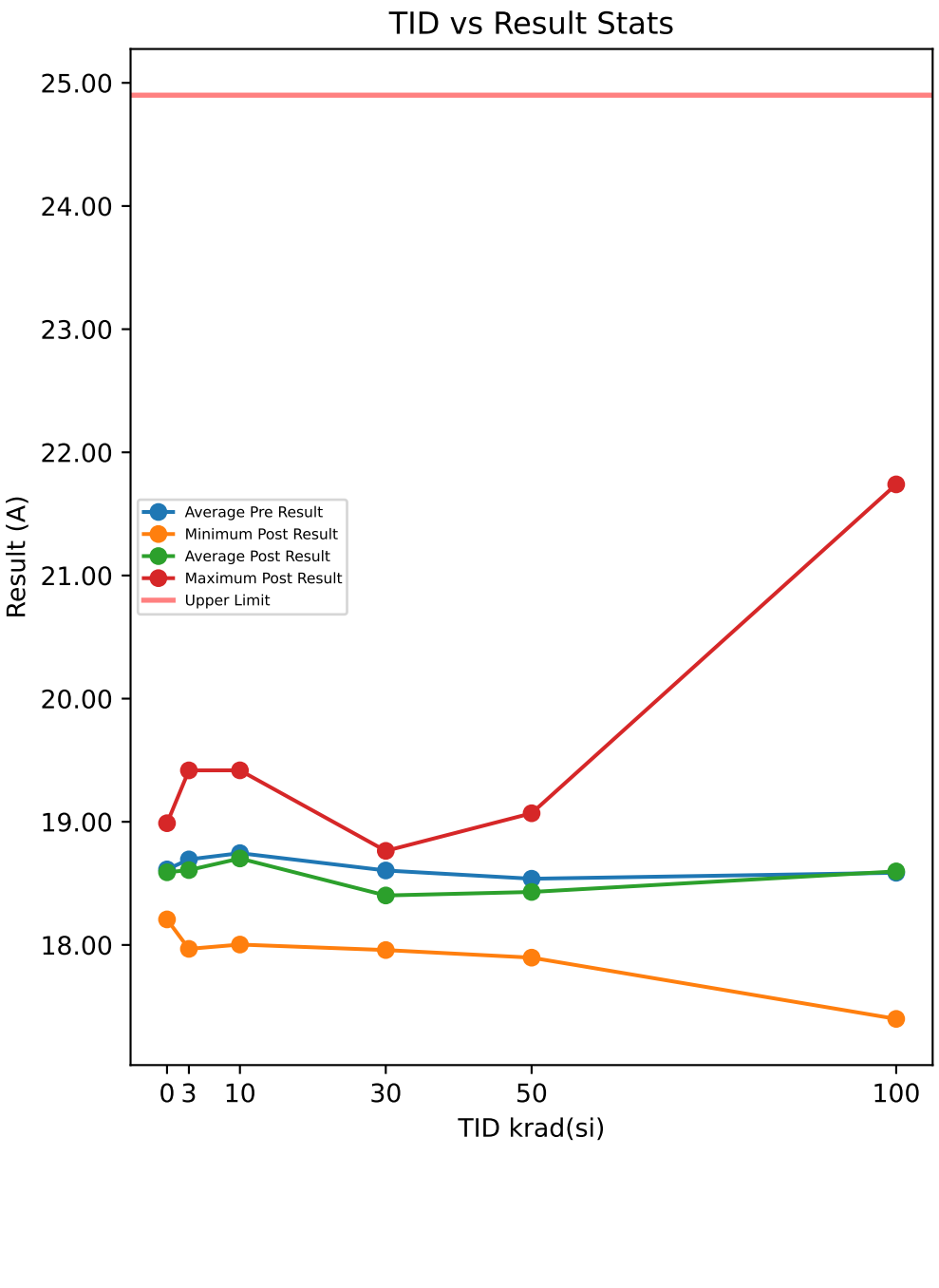
Test Results (Upper Limit = 17.8 (A))

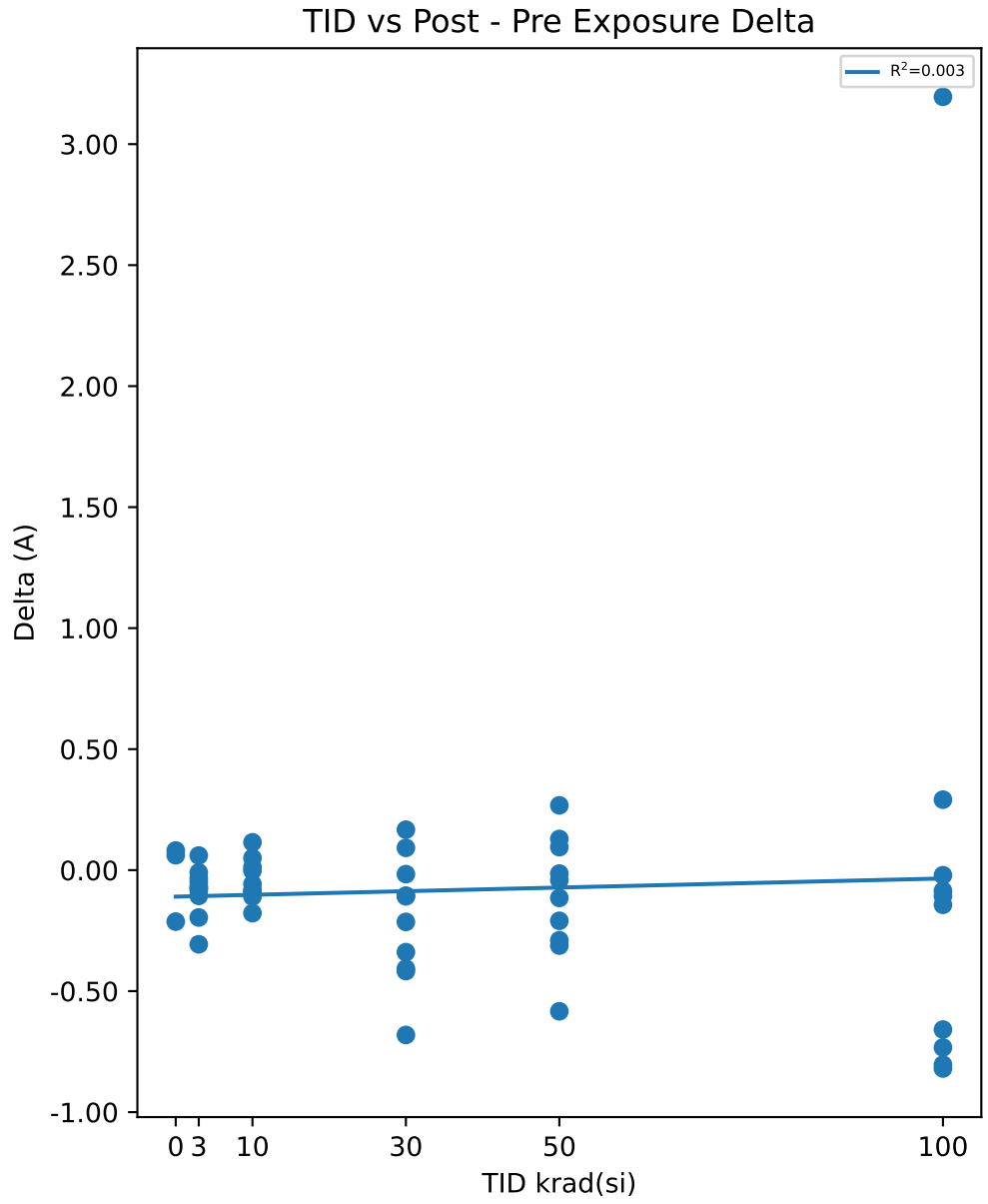
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
390	100	Biased	13.602	13.45	-0.1518
392	100	Biased	13.452	12.57	-0.8824
393	100	Biased	13.301	12.606	-0.6952
394	100	Biased	13.362	12.416	-0.9462
395	100	Biased	13.614	12.855	-0.7592
412	100	Unbiased	13.619	13.552	-0.0669
413	100	Unbiased	13.672	13.531	-0.1413
414	100	Unbiased	13.641	13.89	0.2487
415	100	Unbiased	13.434	15.217	1.7835
416	100	Unbiased	13.469	13.444	-0.025
417	50	Biased	12.961	13.046	0.0852
418	50	Biased	13.251	12.924	-0.3265
419	50	Biased	13.682	13.181	-0.5009
421	50	Biased	14.026	13.773	-0.2531
422	50	Biased	13.941	13.78	-0.1611
423	50	Unbiased	13.388	13.532	0.1443
424	50	Unbiased	13.653	13.563	-0.0898
425	50	Unbiased	13.571	13.337	-0.2343
426	50	Unbiased	13.192	13.223	0.031
427	50	Unbiased	13.183	13.08	-0.1029
463	0	Corr	13.452	13.569	0.1171
464	0	Corr	13.621	13.684	0.0636
465	0	Corr	13.36	13.283	-0.0778
466	30	Biased	13.345	13.199	-0.1467
469	30	Biased	13.253	12.923	-0.3301
470	30	Biased	13.643	13.094	-0.549
472	30	Biased	13.914	13.563	-0.3505
474	30	Biased	13.754	13.605	-0.1485
475	30	Unbiased	13.411	13.425	0.0144
477	30	Unbiased	13.211	13.288	0.0765
478	30	Unbiased	13.512	13.537	0.0245
479	30	Unbiased	13.546	13.486	-0.0594
480	30	Unbiased	13.336	13.261	-0.0747
481	10	Biased	13.801	13.828	0.0262
482	10	Biased	13.465	13.455	-0.0098
483	10	Biased	13.635	13.506	-0.1283
484	10	Biased	13.529	13.539	0.0101
485	10	Biased	13.193	13.268	0.0756
487	10	Unbiased	13.568	13.619	0.0505
488	10	Unbiased	13.565	13.564	-0.0009
489	10	Unbiased	13.762	13.733	-0.0282
490	10	Unbiased	13.619	13.537	-0.0812
491	10	Unbiased	14.204	14.183	-0.0209
492	3	Biased	13.274	13.269	-0.0057
493	3	Biased	13.189	13.164	-0.0245
494	3	Biased	14.067	13.93	-0.1373
495	3	Biased	13.711	13.682	-0.0295
496	3	Biased	14.103	14.048	-0.0553
497	3	Unbiased	13.085	13.167	0.0821
498	3	Unbiased	13.682	13.512	-0.1695
499	3	Unbiased	13.285	13.198	-0.0872
500	3	Unbiased	13.879	13.961	0.0825
502	3	Unbiased	13.771	13.886	0.1159

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	13.36	13.478	13.621	0.13196	13.283	13.512	13.684	0.20685	-0.0778	0.0343	0.1171	0.1007
3	13.085	13.605	14.103	0.37065	13.164	13.582	14.048	0.36235	-0.1695	-0.02285	0.1159	0.095163
10	13.193	13.634	14.204	0.26095	13.268	13.623	14.183	0.24792	-0.1283	-0.01069	0.0756	0.059902
30	13.211	13.492	13.914	0.22629	12.923	13.338	13.605	0.22382	-0.549	-0.15435	0.0765	0.19842
50	12.961	13.485	14.026	0.34824	12.924	13.344	13.78	0.30431	-0.5009	-0.14081	0.1443	0.19772
100	13.301	13.517	13.672	0.12937	12.416	13.353	15.217	0.82661	-0.9462	-0.16358	1.7835	0.79978

Device Test: 20.75 HIGHSIDE_CURR_LIM_19A(THRESHOLD|RISE/SW/12////@HIGHSIDE_CURR_LIM_19A)





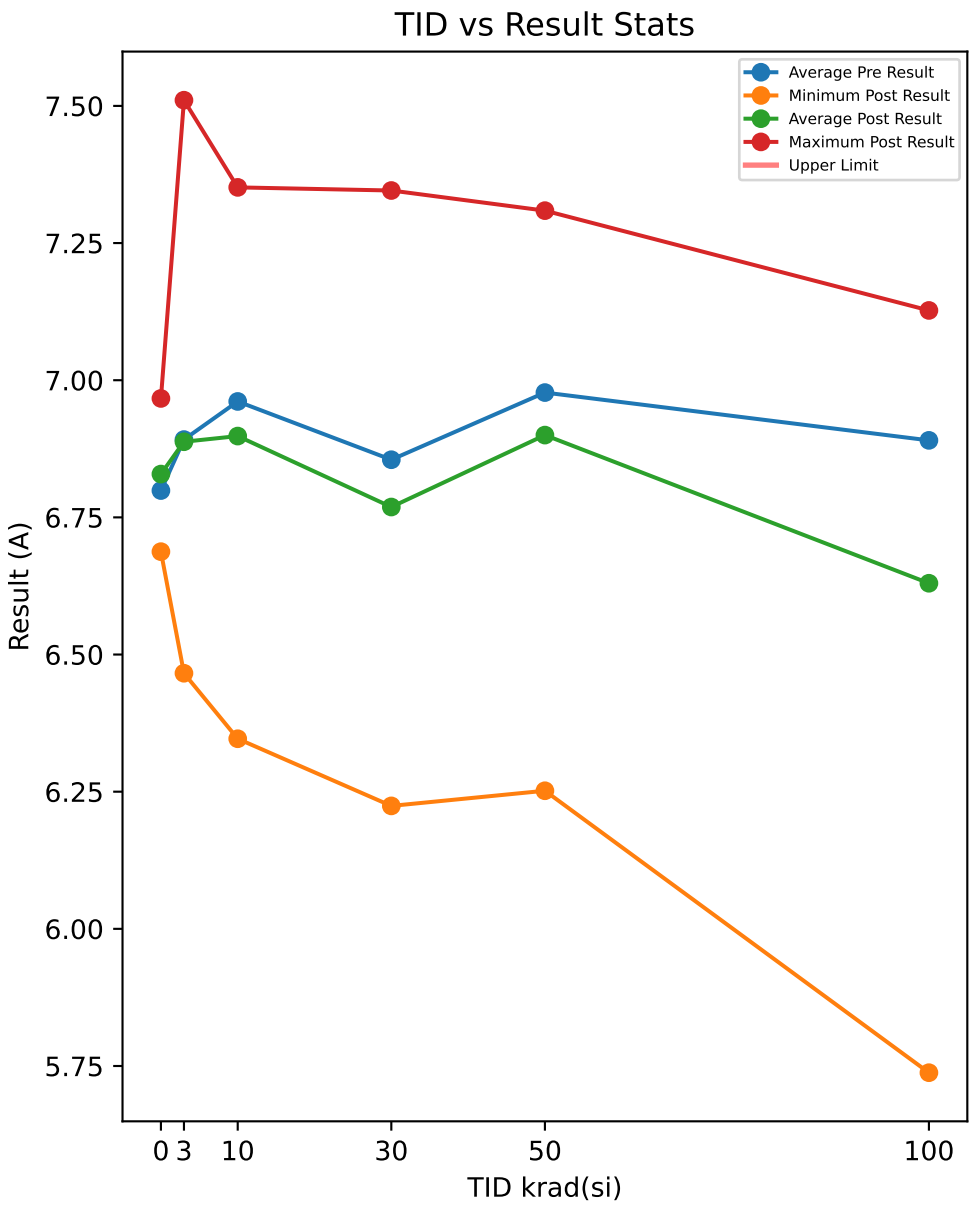
Test Results (Upper Limit = 24.9 (A))

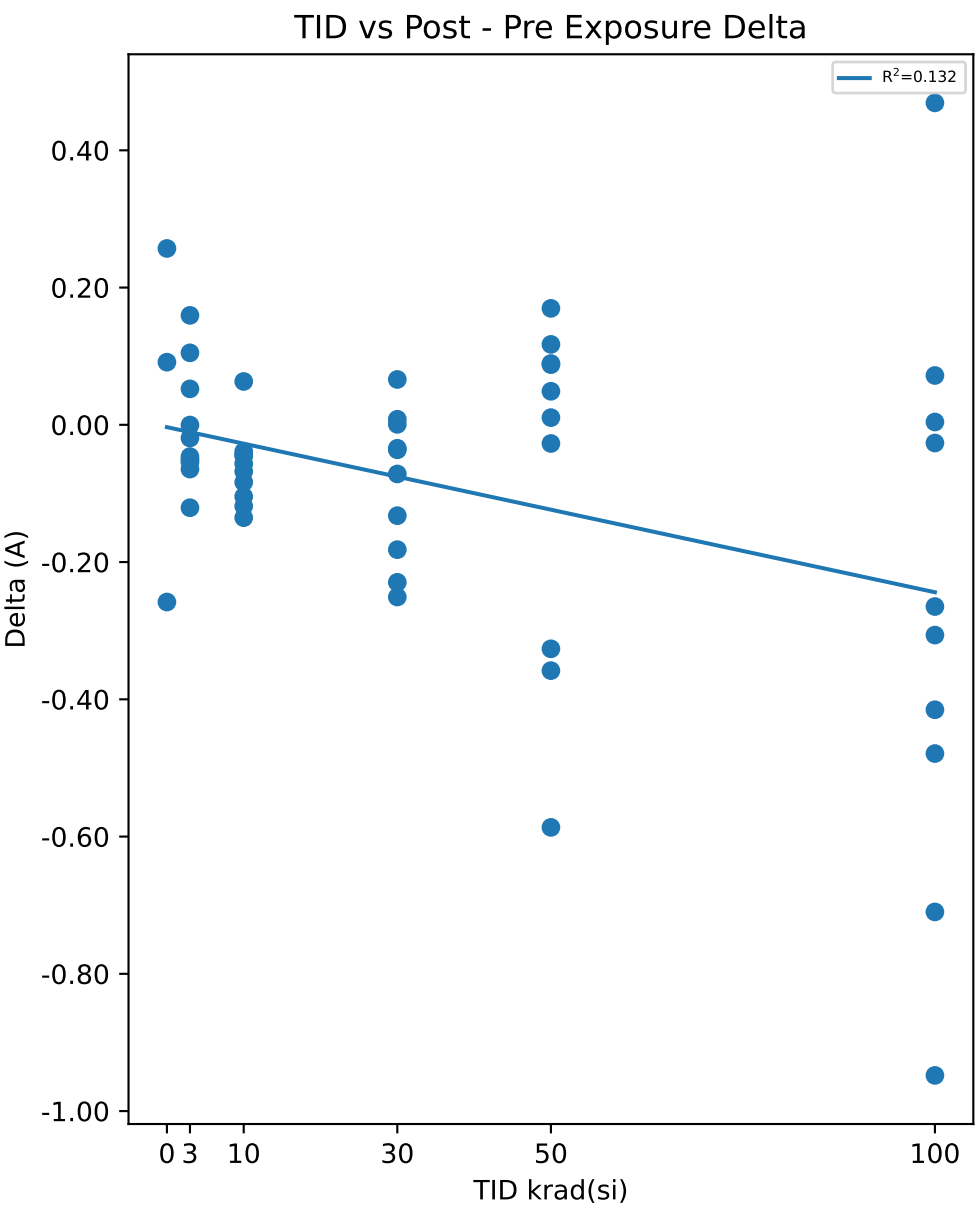
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
390	100	Biased	18.831	18.81	-0.0211
392	100	Biased	18.447	17.788	-0.6588
393	100	Biased	18.219	17.4	-0.8197
394	100	Biased	18.395	17.591	-0.8039
395	100	Biased	18.652	17.919	-0.7329
412	100	Unbiased	18.685	18.578	-0.1072
413	100	Unbiased	18.771	18.628	-0.1432
414	100	Unbiased	18.851	19.142	0.2912
415	100	Unbiased	18.544	21.74	3.1955
416	100	Unbiased	18.465	18.379	-0.0853
417	50	Biased	17.877	18.145	0.2677
418	50	Biased	18.106	17.897	-0.2094
419	50	Biased	18.857	18.273	-0.5833
421	50	Biased	19.192	18.88	-0.3118
422	50	Biased	19.111	19.069	-0.0413
423	50	Unbiased	18.442	18.538	0.095
424	50	Unbiased	18.754	18.639	-0.1149
425	50	Unbiased	18.666	18.376	-0.2897
426	50	Unbiased	18.33	18.316	-0.0142
427	50	Unbiased	18.042	18.171	0.1288
463	0	Corr	18.493	18.574	0.0811
464	0	Corr	18.927	18.989	0.0615
465	0	Corr	18.42	18.207	-0.2128
466	30	Biased	18.404	18.296	-0.1082
469	30	Biased	18.297	17.959	-0.3388
470	30	Biased	18.768	18.087	-0.6812
472	30	Biased	19.133	18.726	-0.4072
474	30	Biased	19.181	18.764	-0.4172
475	30	Unbiased	18.557	18.649	0.0921
477	30	Unbiased	18.09	18.257	0.1671
478	30	Unbiased	18.585	18.569	-0.0166
479	30	Unbiased	18.671	18.457	-0.214
480	30	Unbiased	18.36	18.255	-0.1054
481	10	Biased	18.941	18.954	0.0122
482	10	Biased	18.447	18.389	-0.0577
483	10	Biased	18.654	18.572	-0.0818
484	10	Biased	18.531	18.529	-0.0022
485	10	Biased	18.113	18.003	-0.1095
487	10	Unbiased	18.693	18.808	0.1149
488	10	Unbiased	18.877	18.785	-0.0924
489	10	Unbiased	19.018	18.841	-0.1778
490	10	Unbiased	18.675	18.725	0.05
491	10	Unbiased	19.505	19.418	-0.0872
492	3	Biased	18.208	18.138	-0.0694
493	3	Biased	18.137	18.064	-0.0725
494	3	Biased	19.259	18.953	-0.3065
495	3	Biased	18.794	18.784	-0.0098
496	3	Biased	19.467	19.418	-0.0499
497	3	Unbiased	18.075	17.968	-0.1063
498	3	Unbiased	18.695	18.5	-0.1957
499	3	Unbiased	18.206	18.123	-0.0826
500	3	Unbiased	19.073	19.133	0.0603
502	3	Unbiased	19.031	18.998	-0.0336

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	18.42	18.613	18.927	0.27409	18.207	18.59	18.989	0.39085	-0.2128	-0.0234	0.0811	0.16432
3	18.075	18.695	19.467	0.51144	17.968	18.608	19.418	0.51695	-0.3065	-0.0866	0.0603	0.10154
10	18.113	18.745	19.505	0.37404	18.003	18.702	19.418	0.37219	-0.1778	-0.04315	0.1149	0.086282
30	18.09	18.605	19.181	0.35032	17.959	18.402	18.764	0.27448	-0.6812	-0.20294	0.1671	0.2608
50	17.877	18.538	19.192	0.45239	17.897	18.43	19.069	0.35589	-0.5833	-0.10731	0.2677	0.24999
100	18.219	18.586	18.851	0.20703	17.4	18.597	21.74	1.2395	-0.8197	0.01146	3.1955	1.1843

Device Test: 20.76 HIGHSIDE_CURR_LIM2_6A(THRESHOLD|RISE/SW/12////@HIGHSIDE_CURR_LIM2_6A)





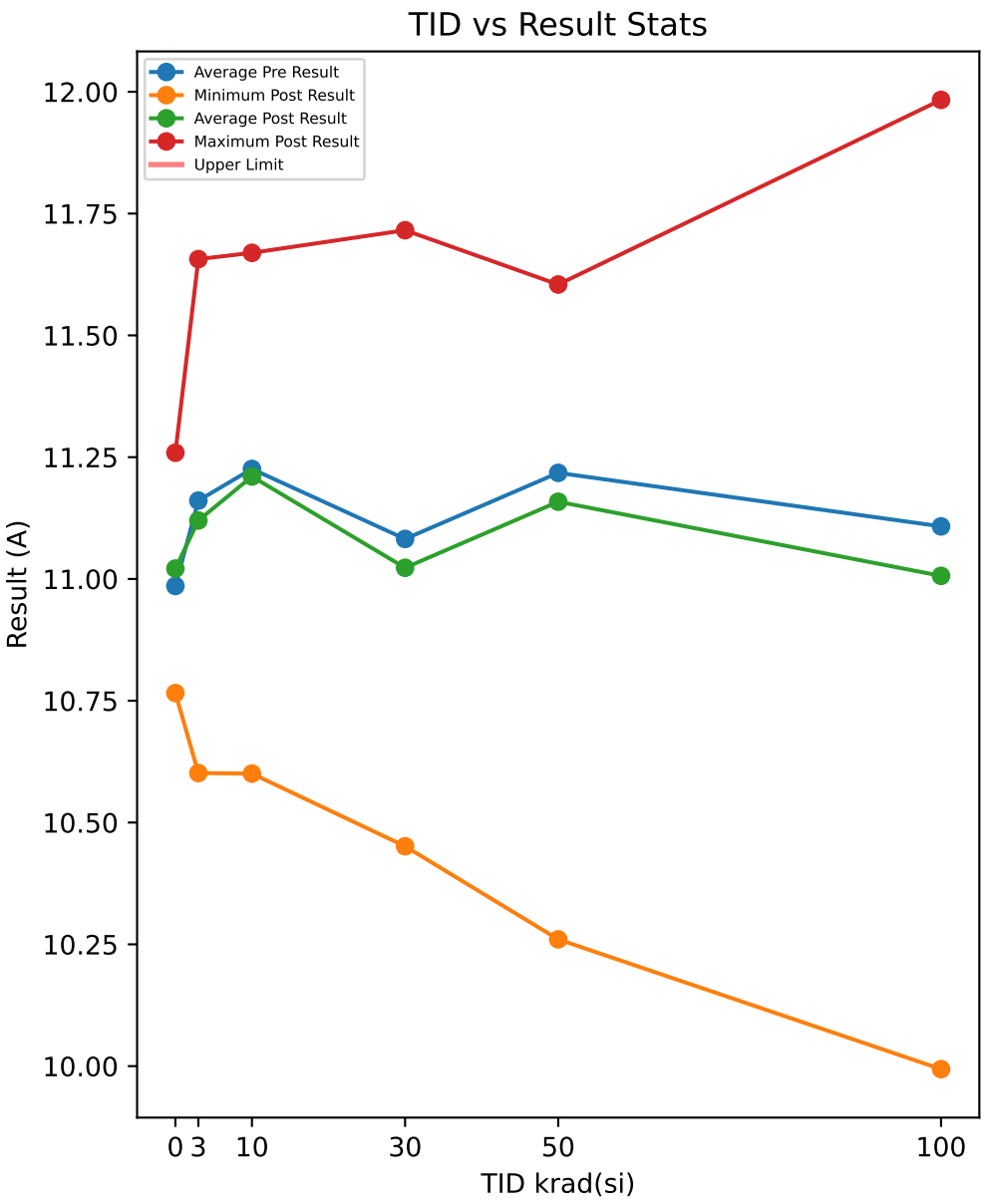
Test Results (No Limits Specified (A))

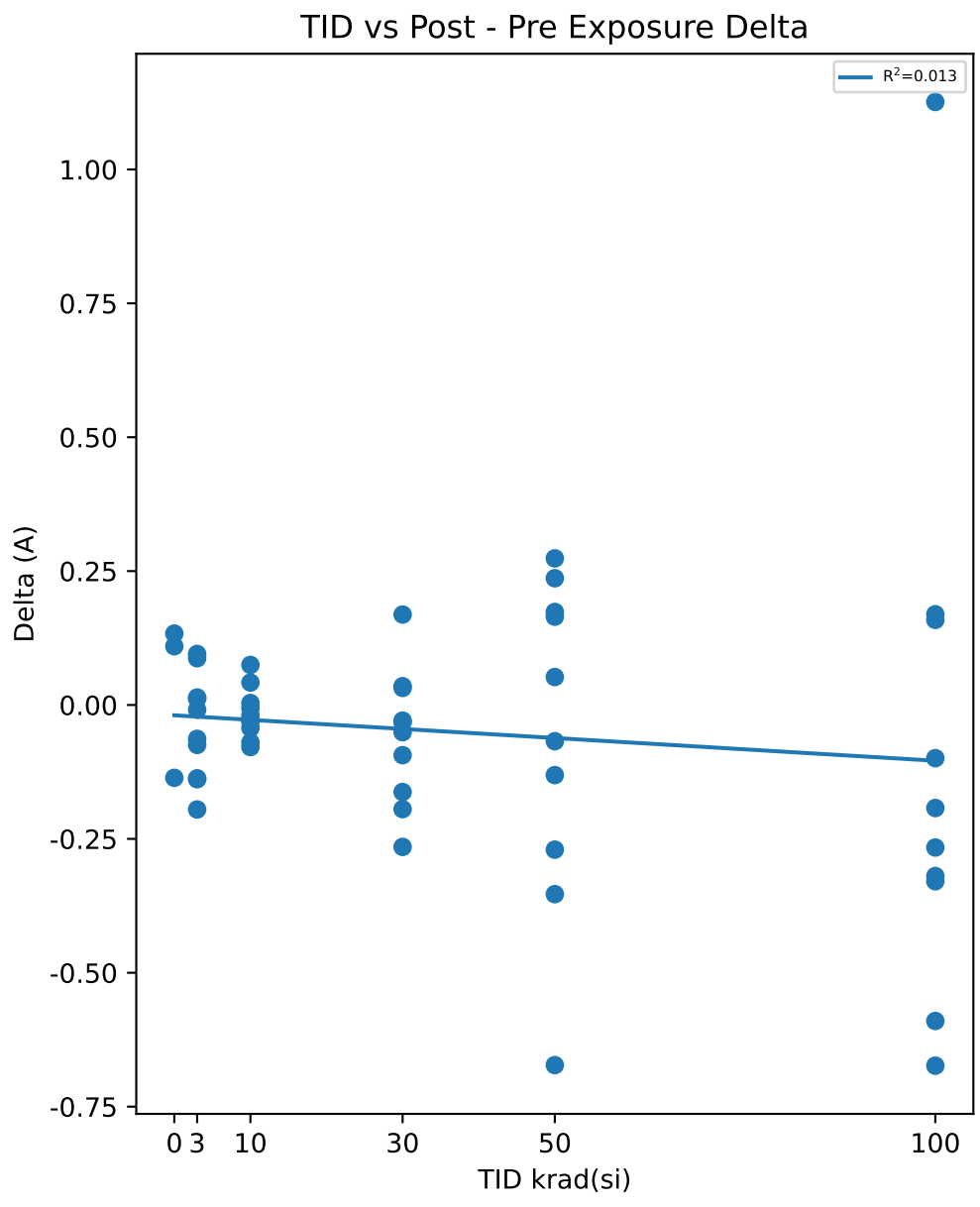
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
390	100	Biased	7.0553	7.1272	0.0719
392	100	Biased	7.2137	6.5039	-0.7098
393	100	Biased	6.8781	6.8822	0.0041
394	100	Biased	6.6858	5.7378	-0.948
395	100	Biased	6.7727	6.3575	-0.4152
412	100	Unbiased	6.7586	6.7321	-0.0265
413	100	Unbiased	7.3268	7.0204	-0.3064
414	100	Unbiased	6.6528	6.1738	-0.479
415	100	Unbiased	6.5836	7.0527	0.4691
416	100	Unbiased	6.9764	6.7116	-0.2648
417	50	Biased	6.6299	6.6788	0.0489
418	50	Biased	7.0659	7.1552	0.0893
419	50	Biased	6.8383	6.2517	-0.5866
421	50	Biased	6.8971	6.9848	0.0877
422	50	Biased	7.1168	7.1273	0.0105
423	50	Unbiased	7.1919	7.3091	0.1172
424	50	Unbiased	6.9022	6.544	-0.3582
425	50	Unbiased	7.0394	6.713	-0.3264
426	50	Unbiased	7.0539	7.0267	-0.0272
427	50	Unbiased	7.0395	7.2092	0.1697
463	0	Corr	6.8755	6.9668	0.0913
464	0	Corr	6.4305	6.6875	0.257
465	0	Corr	7.0907	6.8325	-0.2582
466	30	Biased	6.7102	6.5283	-0.1819
469	30	Biased	6.9064	6.9725	0.0661
470	30	Biased	6.6292	6.3783	-0.2509
472	30	Biased	6.9853	6.9137	-0.0716
474	30	Biased	7.3451	7.3458	0.0007
475	30	Unbiased	6.9401	6.9037	-0.0364
477	30	Unbiased	6.7862	6.6538	-0.1324
478	30	Unbiased	6.216	6.2241	0.0081
479	30	Unbiased	7.2279	6.9984	-0.2295
480	30	Unbiased	6.8044	6.7702	-0.0342
481	10	Biased	7.0969	6.9784	-0.1185
482	10	Biased	6.6026	6.5572	-0.0454
483	10	Biased	7.2883	7.3515	0.0632
484	10	Biased	7.3733	7.3167	-0.0566
485	10	Biased	6.9865	6.9476	-0.0389
487	10	Unbiased	6.4302	6.3465	-0.0837
488	10	Unbiased	6.6705	6.6271	-0.0434
489	10	Unbiased	6.9476	6.8123	-0.1353
490	10	Unbiased	6.9266	6.8221	-0.1045
491	10	Unbiased	7.2905	7.2226	-0.0679
492	3	Biased	6.8675	6.8167	-0.0508
493	3	Biased	7.042	6.9957	-0.0463
494	3	Biased	6.7294	6.6086	-0.1208
495	3	Biased	6.9494	6.9302	-0.0192
496	3	Biased	6.7772	6.7127	-0.0645
497	3	Unbiased	6.9198	6.8654	-0.0544
498	3	Unbiased	6.4135	6.4659	0.0524
499	3	Unbiased	7.1508	7.1505	-0.0003
500	3	Unbiased	7.3509	7.5104	0.1595
502	3	Unbiased	6.7175	6.8224	0.1049

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	6.4305	6.7989	7.0907	0.3367	6.6875	6.8289	6.9668	0.13968	-0.2582	0.030033	0.257	0.26301
3	6.4135	6.8918	7.3509	0.25901	6.4659	6.8879	7.5104	0.29184	-0.1208	-0.00395	0.1595	0.085531
10	6.4302	6.9613	7.3733	0.31636	6.3465	6.8982	7.3515	0.33367	-0.1353	-0.0631	0.0632	0.055502
30	6.216	6.8551	7.3451	0.31512	6.2241	6.7689	7.3458	0.33109	-0.2509	-0.0862	0.0661	0.10749
50	6.6299	6.9775	7.1919	0.16297	6.2517	6.9	7.3091	0.33894	-0.5866	-0.07751	0.1697	0.25393
100	6.5836	6.8904	7.3268	0.24796	5.7378	6.6299	7.1272	0.44137	-0.948	-0.26046	0.4691	0.41041

Device Test: 20.77 HIGHSIDE_CURR_LIM2_9A(THRESHOLD|RISE/SW/12////@HIGHSIDE_CURR_LIM2_9A)





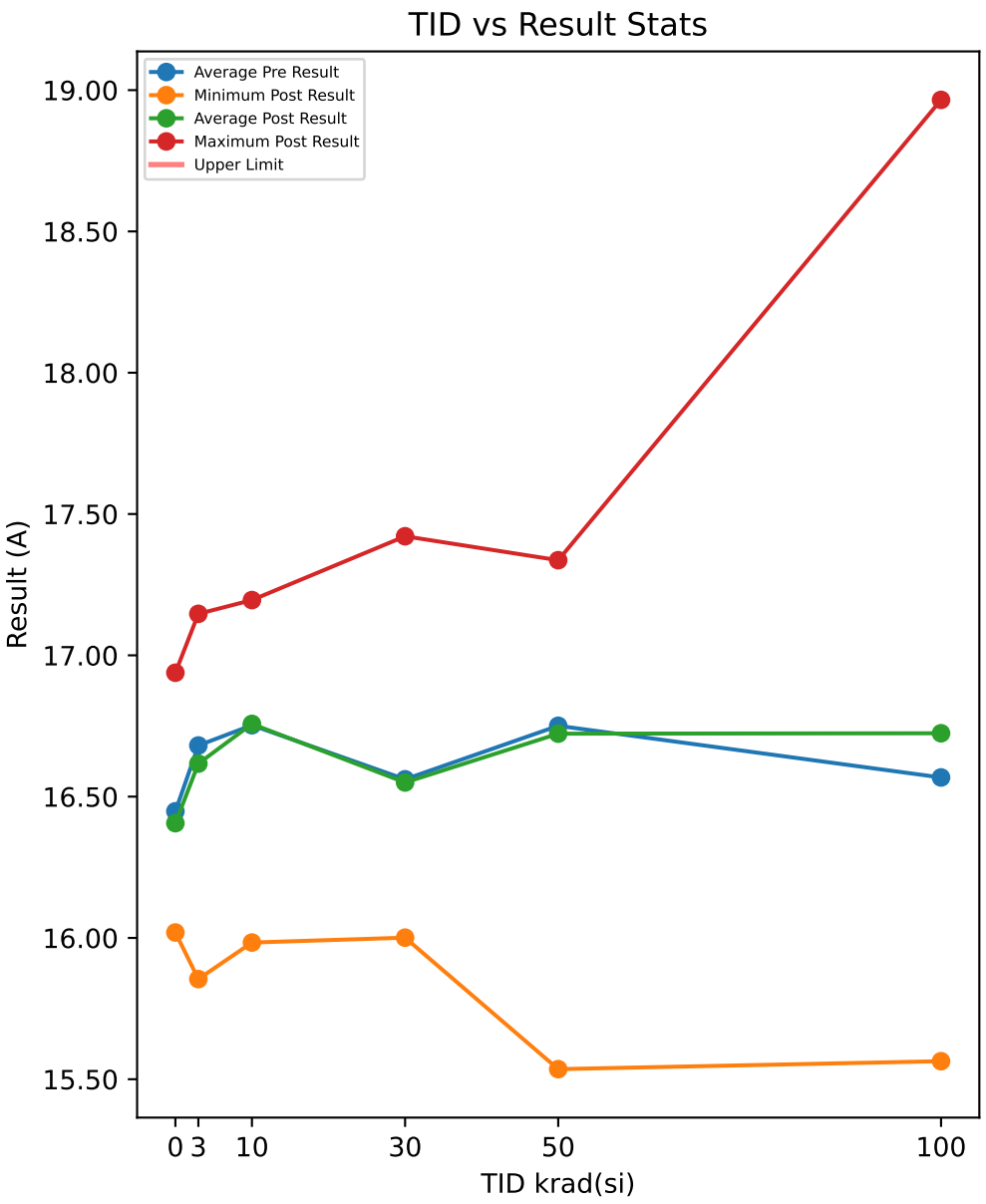
Test Results (No Limits Specified (A))

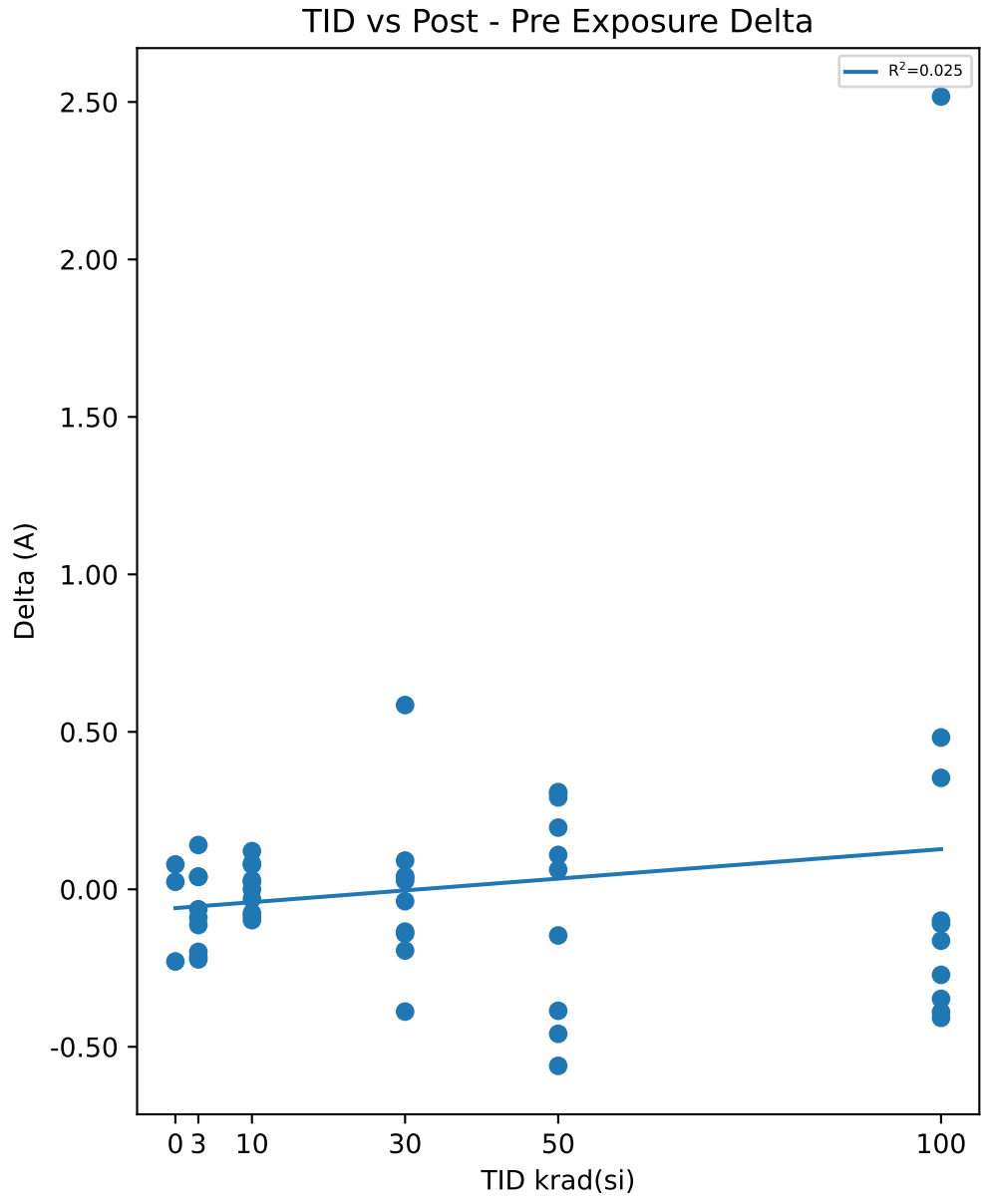
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
390	100	Biased	11.495	11.654	0.1589
392	100	Biased	11.537	10.947	-0.59
393	100	Biased	11.162	11.331	0.1694
394	100	Biased	10.667	9.9938	-0.6735
395	100	Biased	10.947	10.618	-0.3291
412	100	Unbiased	10.924	10.825	-0.0993
413	100	Unbiased	11.604	11.412	-0.1924
414	100	Unbiased	10.857	10.537	-0.3194
415	100	Unbiased	10.857	11.983	1.126
416	100	Unbiased	11.028	10.762	-0.2661
417	50	Biased	10.924	11.088	0.1649
418	50	Biased	11.225	11.461	0.2367
419	50	Biased	10.933	10.26	-0.6724
421	50	Biased	11.223	11.156	-0.0676
422	50	Biased	11.539	11.408	-0.1309
423	50	Unbiased	11.312	11.486	0.1737
424	50	Unbiased	11.029	10.676	-0.3532
425	50	Unbiased	11.438	11.168	-0.2701
426	50	Unbiased	11.225	11.277	0.0522
427	50	Unbiased	11.331	11.604	0.2738
463	0	Corr	10.929	11.039	0.1097
464	0	Corr	10.633	10.766	0.1333
465	0	Corr	11.395	11.259	-0.136
466	30	Biased	10.781	10.619	-0.1625
469	30	Biased	11.211	11.243	0.0319
470	30	Biased	10.9	10.635	-0.265
472	30	Biased	11.281	11.252	-0.0292
474	30	Biased	11.748	11.716	-0.0322
475	30	Unbiased	11.084	11.12	0.0351
477	30	Unbiased	10.693	10.861	0.1689
478	30	Unbiased	10.545	10.451	-0.0937
479	30	Unbiased	11.544	11.35	-0.1945
480	30	Unbiased	11.033	10.982	-0.0508
481	10	Biased	11.404	11.377	-0.0269
482	10	Biased	11.069	11.111	0.0419
483	10	Biased	11.675	11.669	-0.0061
484	10	Biased	11.624	11.581	-0.0429
485	10	Biased	11.472	11.393	-0.0786
487	10	Unbiased	10.526	10.601	0.0748
488	10	Unbiased	10.738	10.668	-0.0698
489	10	Unbiased	11.178	11.159	-0.0192
490	10	Unbiased	10.99	10.994	0.0037
491	10	Unbiased	11.582	11.55	-0.0318
492	3	Biased	11.274	11.286	0.0118
493	3	Biased	11.368	11.293	-0.0745
494	3	Biased	10.791	10.654	-0.1369
495	3	Biased	11.211	11.298	0.0873
496	3	Biased	11.074	10.879	-0.1951
497	3	Unbiased	11.023	11.037	0.014
498	3	Unbiased	10.665	10.602	-0.0632
499	3	Unbiased	11.673	11.535	-0.1386
500	3	Unbiased	11.561	11.656	0.0953
502	3	Unbiased	10.967	10.958	-0.0089

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	10.633	10.986	11.395	0.38442	10.766	11.021	11.259	0.24712	-0.136	0.035667	0.1333	0.14914
3	10.665	11.161	11.673	0.32104	10.602	11.12	11.656	0.35365	-0.1951	-0.04088	0.0953	0.097733
10	10.526	11.226	11.675	0.39303	10.601	11.21	11.669	0.37268	-0.0786	-0.01549	0.0748	0.047136
30	10.545	11.082	11.748	0.37705	10.451	11.023	11.716	0.38949	-0.265	-0.0592	0.1689	0.12625
50	10.924	11.218	11.539	0.20458	10.26	11.158	11.604	0.41073	-0.6724	-0.05929	0.2738	0.30322
100	10.667	11.108	11.604	0.32824	9.9938	11.006	11.983	0.59033	-0.6735	-0.10155	1.126	0.51082

Device Test: 20.78 HIGHSIDE_CURR_LIM2_13A(THRESHOLD|RISE/SW/12////@HIGHSIDE_CURR_LIM2_13A)





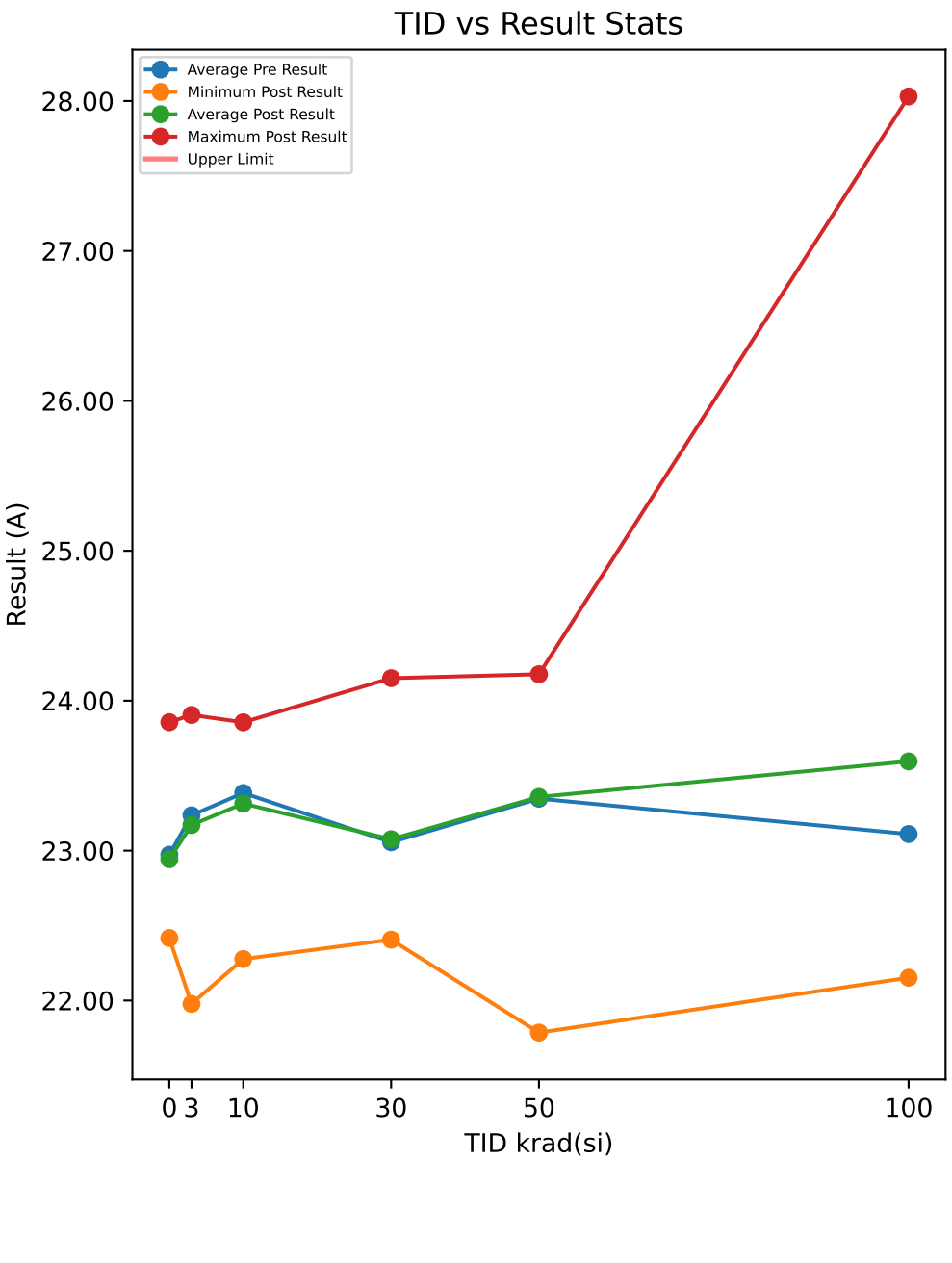
Test Results (No Limits Specified (A))

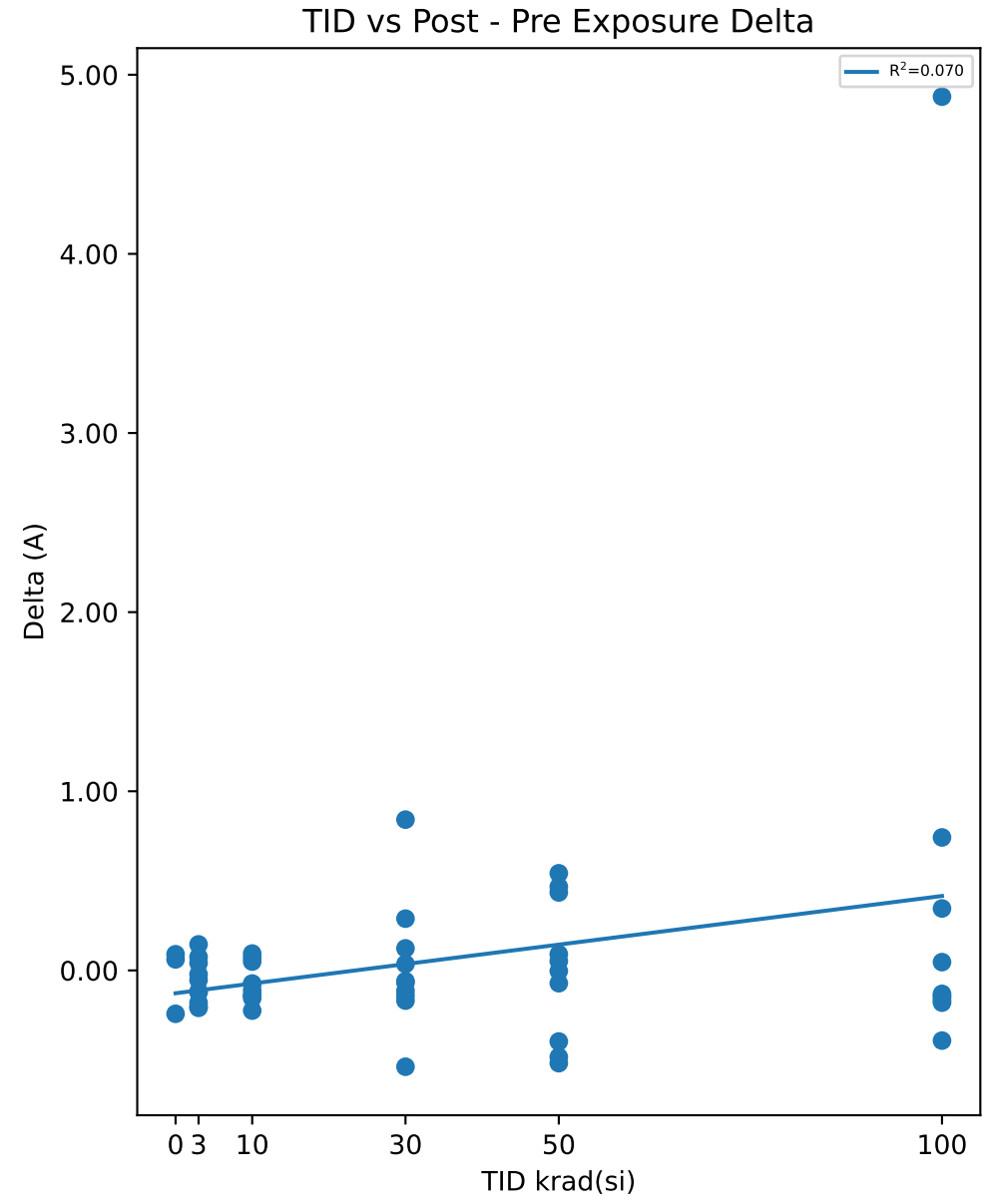
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
390	100	Biased	17.205	17.687	0.4819
392	100	Biased	17.09	16.742	-0.3477
393	100	Biased	16.679	17.033	0.3539
394	100	Biased	15.972	15.564	-0.408
395	100	Biased	16.495	16.106	-0.3894
412	100	Unbiased	16.234	16.124	-0.1094
413	100	Unbiased	17.098	16.998	-0.0993
414	100	Unbiased	16.199	16.036	-0.1632
415	100	Unbiased	16.448	18.965	2.5171
416	100	Unbiased	16.259	15.988	-0.2716
417	50	Biased	16.521	16.829	0.3087
418	50	Biased	16.755	17.06	0.3048
419	50	Biased	16.096	15.536	-0.5605
421	50	Biased	16.86	16.713	-0.1465
422	50	Biased	17.193	17.255	0.0624
423	50	Unbiased	16.759	16.869	0.1092
424	50	Unbiased	16.375	15.99	-0.3856
425	50	Unbiased	17.247	16.788	-0.4588
426	50	Unbiased	16.656	16.852	0.196
427	50	Unbiased	17.045	17.337	0.2918
463	0	Corr	16.236	16.261	0.024
464	0	Corr	15.94	16.019	0.079
465	0	Corr	17.167	16.938	-0.229
466	30	Biased	16.135	16.001	-0.1343
469	30	Biased	16.651	16.678	0.0272
470	30	Biased	16.538	16.15	-0.3882
472	30	Biased	16.975	16.835	-0.1406
474	30	Biased	17.384	17.421	0.0372
475	30	Unbiased	16.488	16.579	0.0913
477	30	Unbiased	15.789	16.374	0.5851
478	30	Unbiased	16.045	16.007	-0.0378
479	30	Unbiased	17.176	16.981	-0.1943
480	30	Unbiased	16.432	16.474	0.0416
481	10	Biased	17.15	17.052	-0.0978
482	10	Biased	16.885	16.914	0.029
483	10	Biased	17.171	17.195	0.0242
484	10	Biased	17.027	16.943	-0.0846
485	10	Biased	17.12	17.045	-0.0752
487	10	Unbiased	16.027	16.105	0.0779
488	10	Unbiased	16.014	15.984	-0.0305
489	10	Unbiased	16.632	16.714	0.082
490	10	Unbiased	16.434	16.435	0.0001
491	10	Unbiased	17.066	17.187	0.1213
492	3	Biased	17.03	17.07	0.0397
493	3	Biased	16.993	16.93	-0.0632
494	3	Biased	16.053	15.854	-0.1986
495	3	Biased	16.799	16.839	0.0403
496	3	Biased	16.414	16.324	-0.09
497	3	Unbiased	16.745	16.632	-0.1134
498	3	Unbiased	16.169	15.955	-0.2144
499	3	Unbiased	17.369	17.147	-0.2226
500	3	Unbiased	16.948	17.089	0.1407
502	3	Unbiased	16.288	16.328	0.0396

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	15.94	16.448	17.167	0.64036	16.019	16.406	16.938	0.47657	-0.229	-0.042	0.079	0.16427
3	16.053	16.681	17.369	0.43003	15.854	16.617	17.147	0.4767	-0.2226	-0.06419	0.1407	0.12617
10	16.014	16.753	17.171	0.45289	15.984	16.757	17.195	0.43902	-0.0978	0.00464	0.1213	0.07603
30	15.789	16.561	17.384	0.50563	16.001	16.55	17.421	0.45177	-0.3882	-0.01128	0.5851	0.25407
50	16.096	16.751	17.247	0.36079	15.536	16.723	17.337	0.55517	-0.5605	-0.02785	0.3087	0.33576
100	15.972	16.568	17.205	0.4332	15.564	16.724	18.965	1.0125	-0.408	0.15643	2.5171	0.88253

Device Test: 20.79 HIGHSIDE_CURR_LIM2_19A(THRESHOLD|RISE/SW/12////@HIGHSIDE_CURR_LIM2_19A)





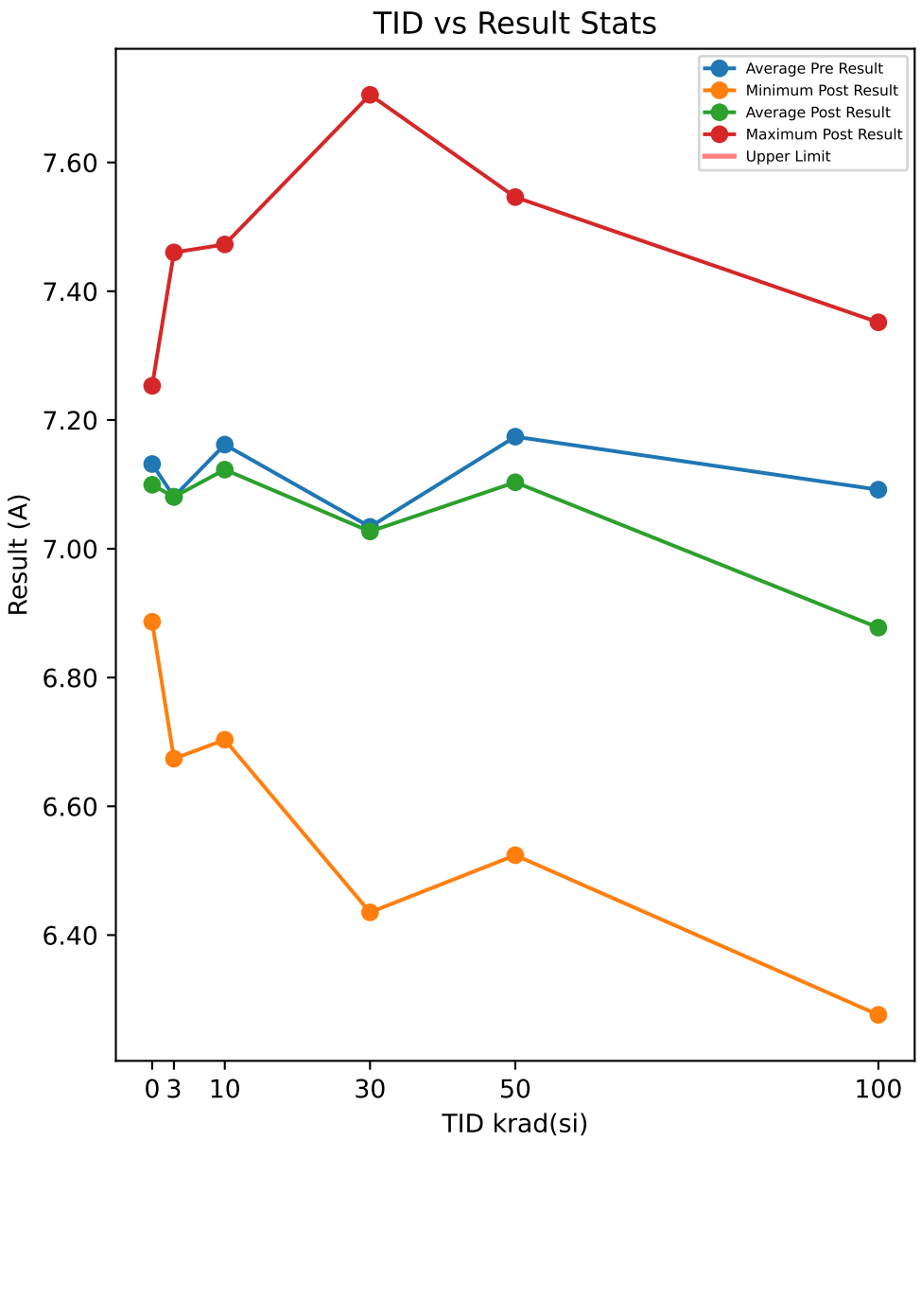
Test Results (No Limits Specified (A))

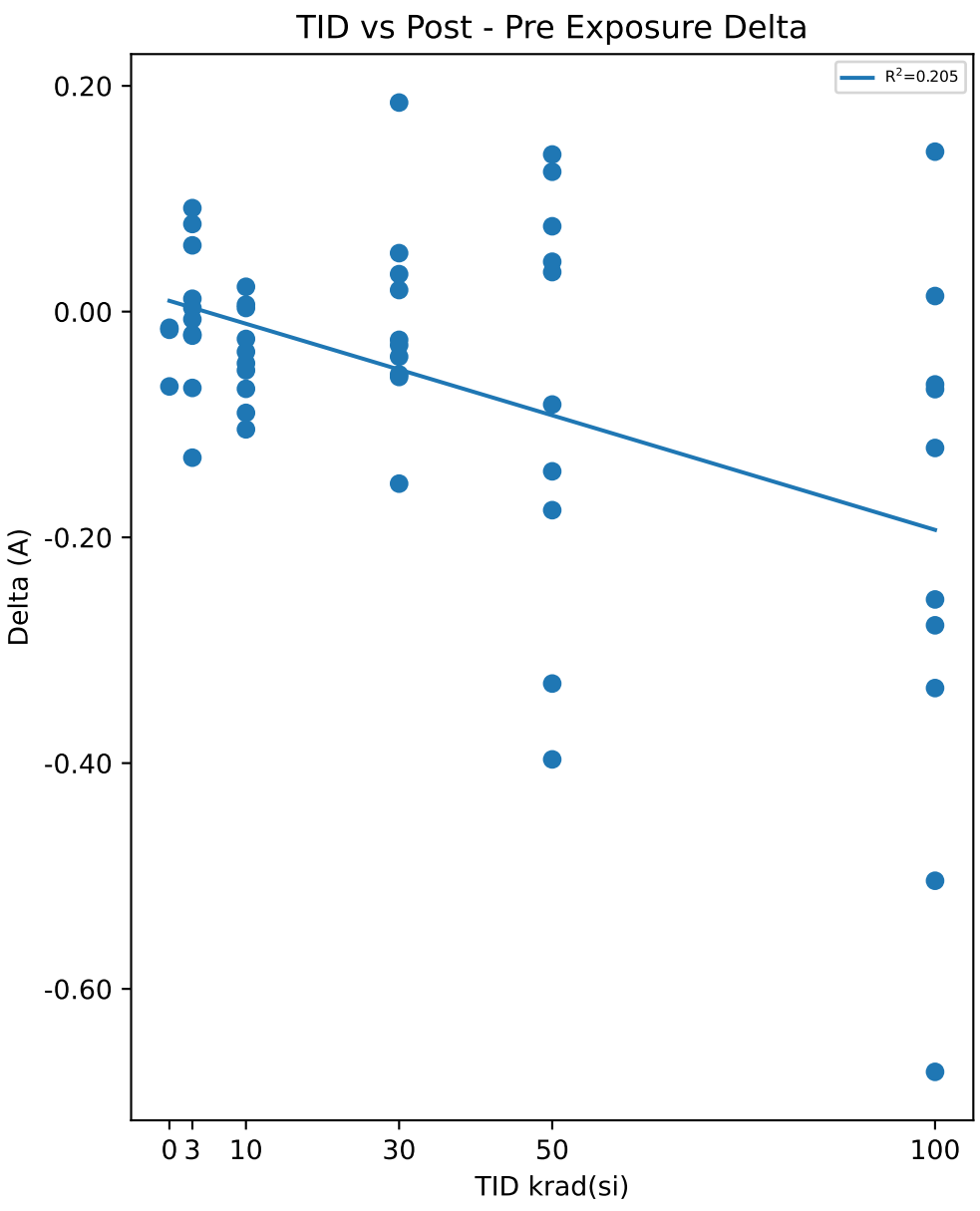
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
390	100	Biased	24.096	24.838	0.7423
392	100	Biased	23.828	23.66	-0.1683
393	100	Biased	23.433	23.779	0.3458
394	100	Biased	22.305	22.152	-0.1523
395	100	Biased	22.996	22.605	-0.3917
412	100	Unbiased	22.553	22.412	-0.1418
413	100	Unbiased	23.6	23.646	0.0463
414	100	Unbiased	22.684	22.553	-0.1309
415	100	Unbiased	23.153	28.03	4.8776
416	100	Unbiased	22.457	22.277	-0.1799
417	50	Biased	23.308	23.776	0.4674
418	50	Biased	23.169	23.711	0.5422
419	50	Biased	22.304	21.786	-0.5178
421	50	Biased	23.34	23.269	-0.0715
422	50	Biased	23.999	23.996	-0.0033
423	50	Unbiased	23.207	23.259	0.0516
424	50	Unbiased	22.822	22.425	-0.3969
425	50	Unbiased	24.133	23.65	-0.483
426	50	Unbiased	23.441	23.532	0.0909
427	50	Unbiased	23.741	24.177	0.4351
463	0	Corr	22.492	22.554	0.0616
464	0	Corr	22.327	22.417	0.0903
465	0	Corr	24.099	23.857	-0.2422
466	30	Biased	22.466	22.406	-0.0597
469	30	Biased	23.185	23.221	0.0358
470	30	Biased	23.26	22.722	-0.5377
472	30	Biased	23.516	23.448	-0.0682
474	30	Biased	24.319	24.15	-0.1686
475	30	Unbiased	22.811	23.1	0.289
477	30	Unbiased	21.691	22.533	0.8417
478	30	Unbiased	22.575	22.462	-0.1133
479	30	Unbiased	23.871	23.73	-0.1406
480	30	Unbiased	22.866	22.989	0.1231
481	10	Biased	23.852	23.71	-0.1418
482	10	Biased	23.806	23.73	-0.0768
483	10	Biased	23.801	23.662	-0.139
484	10	Biased	23.556	23.331	-0.2244
485	10	Biased	23.989	23.834	-0.1546
487	10	Unbiased	22.647	22.535	-0.1117
488	10	Unbiased	22.35	22.277	-0.0732
489	10	Unbiased	23.222	23.316	0.0941
490	10	Unbiased	22.835	22.885	0.0493
491	10	Unbiased	23.785	23.856	0.0709
492	3	Biased	24.085	23.905	-0.1796
493	3	Biased	23.738	23.716	-0.0217
494	3	Biased	22.186	21.977	-0.2089
495	3	Biased	23.399	23.44	0.0417
496	3	Biased	22.944	22.821	-0.1223
497	3	Unbiased	23.371	23.317	-0.0535
498	3	Unbiased	22.532	22.33	-0.2021
499	3	Unbiased	24.007	23.89	-0.1171
500	3	Unbiased	23.46	23.605	0.1453
502	3	Unbiased	22.633	22.709	0.0754

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	22.327	22.973	24.099	0.97874	22.417	22.943	23.857	0.79451	-0.2422	-0.0301	0.0903	0.18424
3	22.186	23.235	24.085	0.64182	21.977	23.171	23.905	0.67522	-0.2089	-0.06428	0.1453	0.12291
10	22.35	23.384	23.989	0.58366	22.277	23.314	23.856	0.56577	-0.2244	-0.07072	0.0941	0.10735
30	21.691	23.056	24.319	0.75027	22.406	23.076	24.15	0.57684	-0.5377	0.02015	0.8417	0.35943
50	22.304	23.347	24.133	0.54006	21.786	23.358	24.177	0.73413	-0.5178	0.01147	0.5422	0.39093
100	22.305	23.111	24.096	0.61591	22.152	23.595	28.03	1.7809	-0.3917	0.48471	4.8776	1.5772

Device Test: 20.8 HIGHSIDE_CURR_LIM2_6A(THRESHOLD|RISE/SW/4.5////@HIGHSIDE_CURR_LIM2_6A)





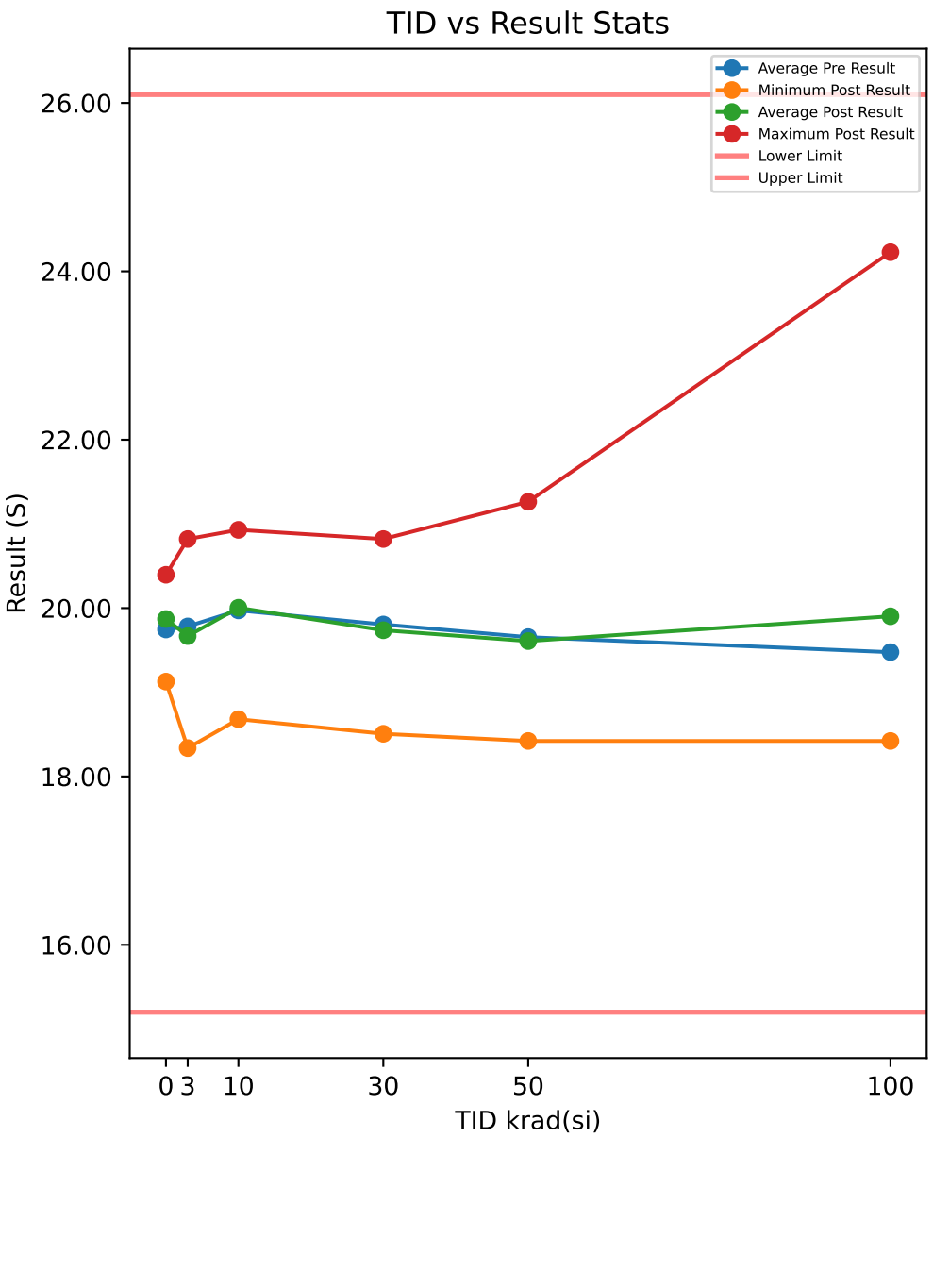
Test Results (No Limits Specified (A))

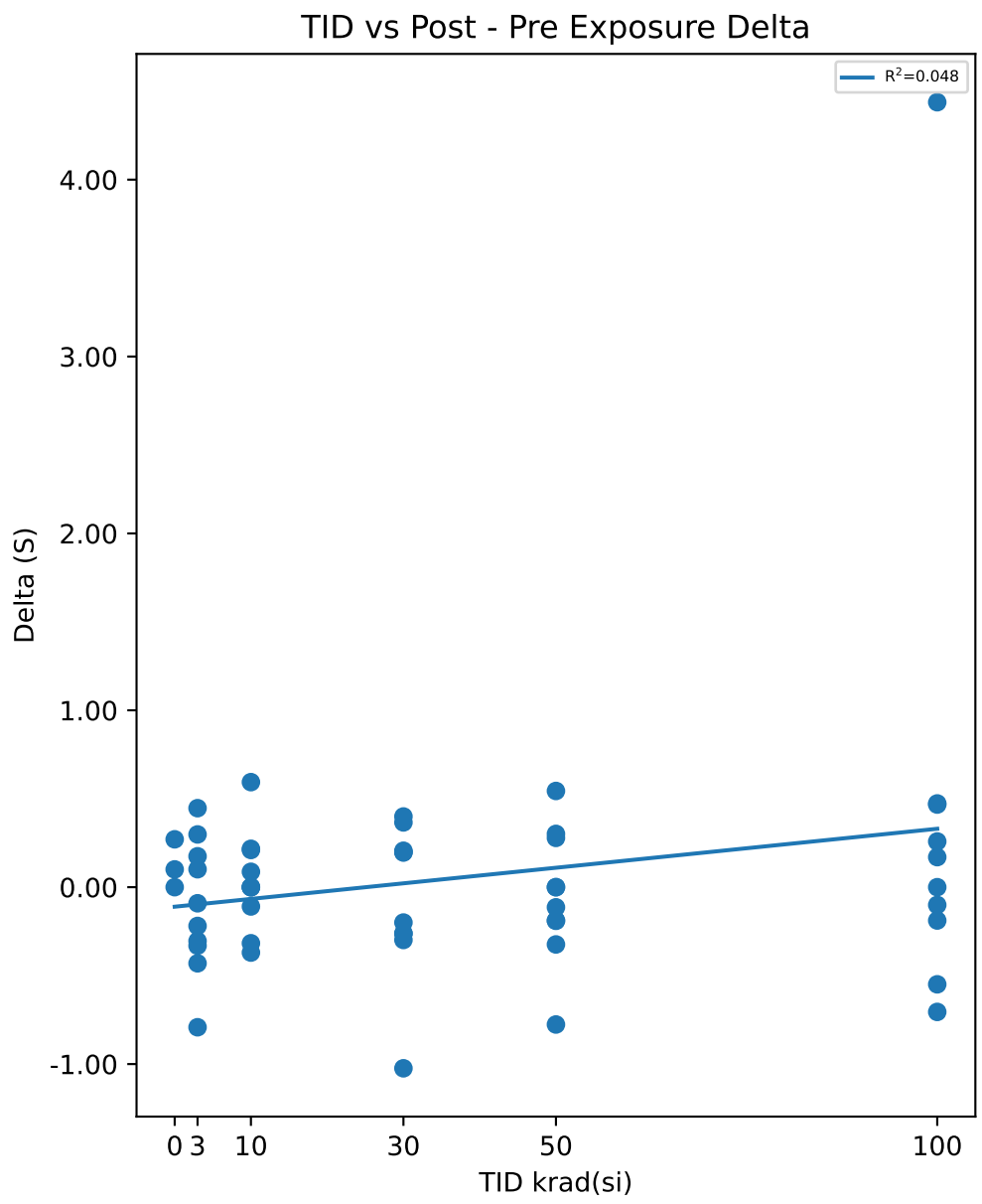
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
390	100	Biased	7.4162	7.3517	-0.0645
392	100	Biased	7.522	7.0178	-0.5042
393	100	Biased	7.0609	7.2026	0.1417
394	100	Biased	6.9496	6.2761	-0.6735
395	100	Biased	6.9465	6.6915	-0.255
412	100	Unbiased	7.0627	7.0765	0.0138
413	100	Unbiased	7.4028	7.282	-0.1208
414	100	Unbiased	6.7161	6.3826	-0.3335
415	100	Unbiased	6.6642	6.5955	-0.0687
416	100	Unbiased	7.1765	6.8986	-0.2779
417	50	Biased	6.8856	6.9612	0.0756
418	50	Biased	7.2967	7.4206	0.1239
419	50	Biased	6.9208	6.5241	-0.3967
421	50	Biased	7.0813	7.1163	0.035
422	50	Biased	7.4139	7.2724	-0.1415
423	50	Unbiased	7.407	7.5462	0.1392
424	50	Unbiased	7.0037	6.6742	-0.3295
425	50	Unbiased	7.1915	7.0156	-0.1759
426	50	Unbiased	7.3361	7.2538	-0.0823
427	50	Unbiased	7.2041	7.2483	0.0442
463	0	Corr	7.1746	7.1585	-0.0161
464	0	Corr	6.9009	6.8866	-0.0143
465	0	Corr	7.3194	7.2531	-0.0663
466	30	Biased	6.8196	6.7797	-0.0399
469	30	Biased	7.1861	7.3713	0.1852
470	30	Biased	6.8033	6.7454	-0.0579
472	30	Biased	7.2262	7.2453	0.0191
474	30	Biased	7.6533	7.7051	0.0518
475	30	Unbiased	6.9474	6.9224	-0.025
477	30	Unbiased	6.7405	6.7737	0.0332
478	30	Unbiased	6.5877	6.4353	-0.1524
479	30	Unbiased	7.4129	7.3573	-0.0556
480	30	Unbiased	6.9631	6.9334	-0.0297
481	10	Biased	7.2818	7.1921	-0.0897
482	10	Biased	6.8989	6.8747	-0.0242
483	10	Biased	7.577	7.4727	-0.1043
484	10	Biased	7.4539	7.3855	-0.0684
485	10	Biased	7.1434	7.1078	-0.0356
487	10	Unbiased	6.7492	6.7034	-0.0458
488	10	Unbiased	6.9249	6.9281	0.0032
489	10	Unbiased	7.0782	7.0844	0.0062
490	10	Unbiased	7.2006	7.2226	0.022
491	10	Unbiased	7.3101	7.2581	-0.052
492	3	Biased	7.1349	7.1382	0.0033
493	3	Biased	7.0718	7.0832	0.0114
494	3	Biased	6.7859	6.7646	-0.0213
495	3	Biased	7.3514	7.3312	-0.0202
496	3	Biased	6.9646	6.9578	-0.0068
497	3	Unbiased	6.9282	7.0199	0.0917
498	3	Unbiased	6.8033	6.6739	-0.1294
499	3	Unbiased	7.3503	7.2827	-0.0676
500	3	Unbiased	7.4016	7.4603	0.0587
502	3	Unbiased	7.0161	7.0937	0.0776

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	6.9009	7.1316	7.3194	0.21253	6.8866	7.0994	7.2531	0.19026	-0.0663	-0.032233	-0.0143	0.029516
3	6.7859	7.0808	7.4016	0.22527	6.6739	7.0805	7.4603	0.24389	-0.1294	-0.00026	0.0917	0.066865
10	6.7492	7.1618	7.577	0.25786	6.7034	7.1229	7.4727	0.23607	-0.1043	-0.03886	0.022	0.041753
30	6.5877	7.034	7.6533	0.33069	6.4353	7.0269	7.7051	0.38145	-0.1524	-0.00712	0.1852	0.088638
50	6.8856	7.1741	7.4139	0.19415	6.5241	7.1033	7.5462	0.31916	-0.3967	-0.0708	0.1392	0.18773
100	6.6642	7.0918	7.522	0.29085	6.2761	6.8775	7.3517	0.37633	-0.6735	-0.21426	0.1417	0.2463

Device Test: 20.80 EA_COMP_ISWITCH_GM_19A_25C(GMPS|STATIC/SW/12////@EA_COMP_ISWITCH_GM_19A_25C)





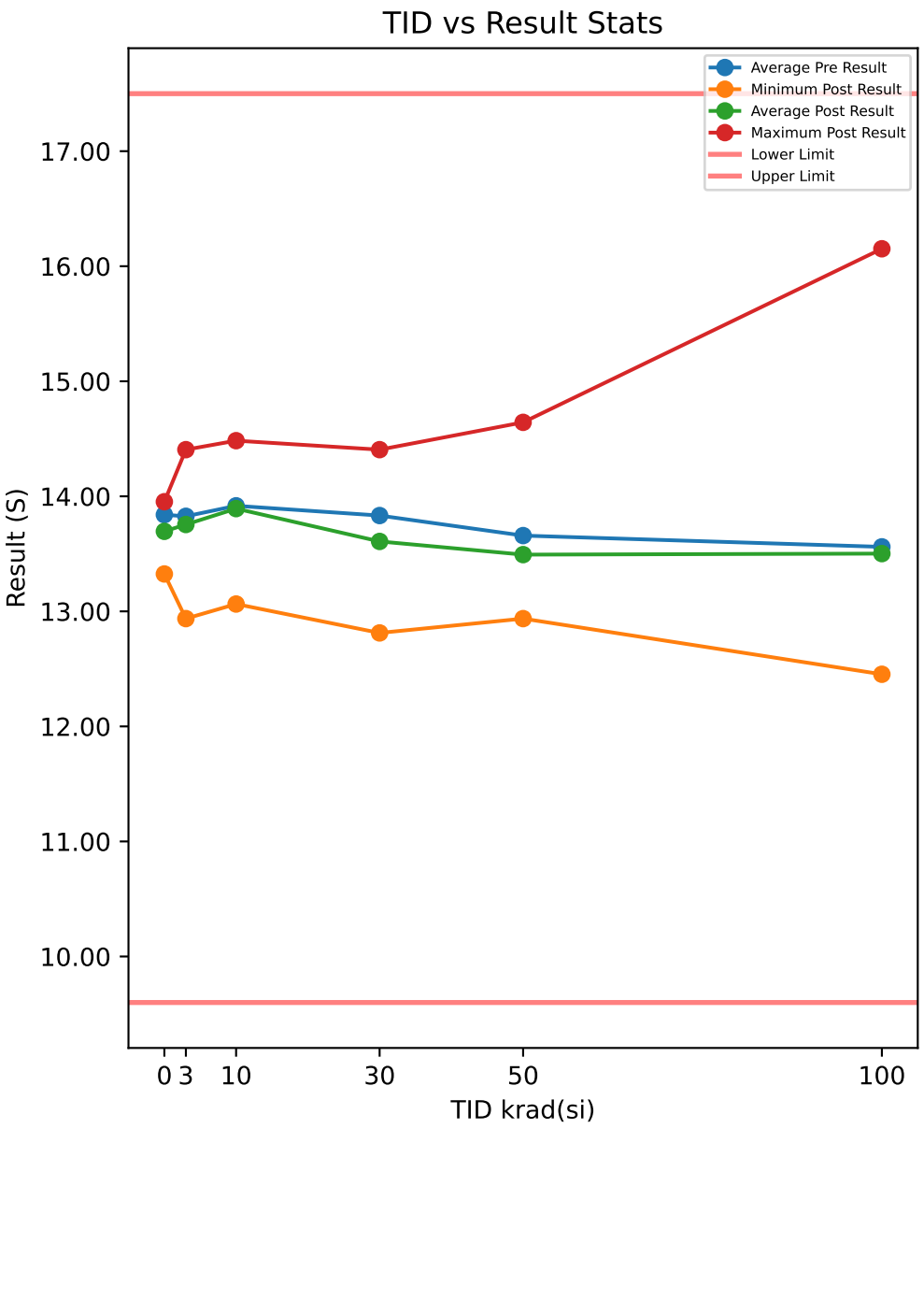
Test Results (Lower Limit = 15.2, Upper Limit = 26.1 (S))

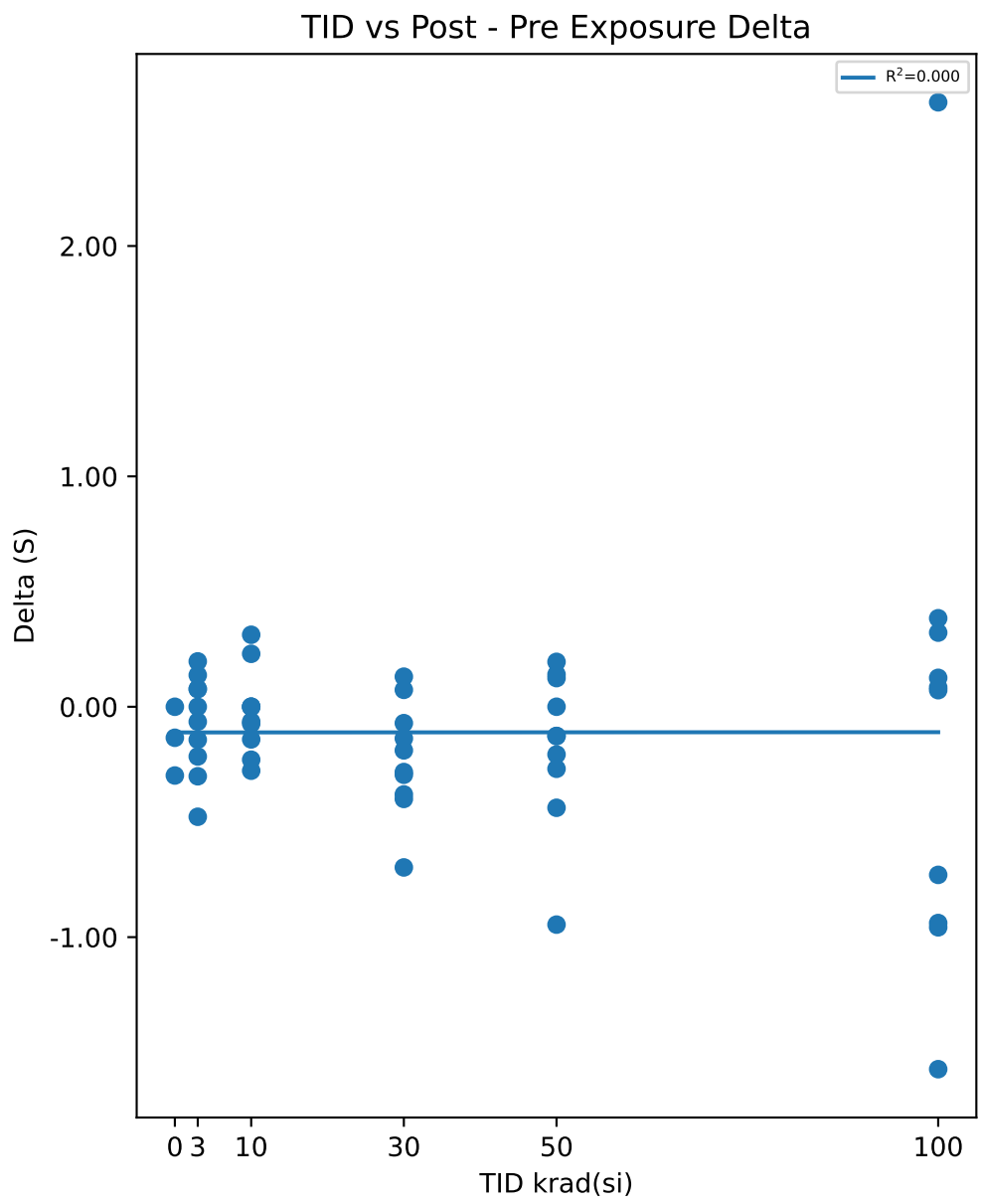
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
390	100	Biased	19.219	19.692	0.4734
392	100	Biased	19.405	18.856	-0.5492
393	100	Biased	19.127	18.422	-0.7052
394	100	Biased	20.088	19.988	-0.1005
395	100	Biased	19.5	19.312	-0.1884
412	100	Unbiased	18.337	18.507	0.1699
413	100	Unbiased	19.5	19.5	-0.0001
414	100	Unbiased	21.377	21.844	0.4671
415	100	Unbiased	19.79	24.227	4.4377
416	100	Unbiased	18.422	18.68	0.2584
417	50	Biased	19.888	20.189	0.3013
418	50	Biased	18.856	18.856	0.0001
419	50	Biased	20.929	20.606	-0.3237
421	50	Biased	19.5	19.312	-0.1884
422	50	Biased	21.377	21.263	-0.1138
423	50	Unbiased	19.127	19.405	0.2786
424	50	Unbiased	18.422	18.422	0
425	50	Unbiased	20.088	19.312	-0.7763
426	50	Unbiased	18.768	19.312	0.544
427	50	Unbiased	19.596	19.405	-0.1901
463	0	Corr	18.856	19.127	0.2706
464	0	Corr	19.988	20.088	0.1005
465	0	Corr	20.395	20.395	0
466	30	Biased	19.79	19.988	0.1979
469	30	Biased	18.856	18.593	-0.2632
470	30	Biased	18.768	18.507	-0.2606
472	30	Biased	21.844	20.82	-1.0239
474	30	Biased	20.088	19.79	-0.2984
475	30	Unbiased	20.189	20.395	0.206
477	30	Unbiased	19.692	19.888	0.196
478	30	Unbiased	19.79	20.189	0.3997
479	30	Unbiased	20.088	19.888	-0.1999
480	30	Unbiased	18.945	19.312	0.3661
481	10	Biased	20.712	20.929	0.217
482	10	Biased	20.712	20.395	-0.317
483	10	Biased	19.5	19.5	0
484	10	Biased	20.395	20.606	0.2103
485	10	Biased	19.692	19.692	0.0001
487	10	Unbiased	19.596	20.189	0.5939
488	10	Unbiased	18.593	18.68	0.087
489	10	Unbiased	20.929	20.82	-0.109
490	10	Unbiased	19.405	19.036	-0.3697
491	10	Unbiased	20.189	20.189	0
492	3	Biased	18.768	18.337	-0.4304
493	3	Biased	18.593	18.768	0.1747
494	3	Biased	20.292	19.5	-0.7919
495	3	Biased	19.79	20.088	0.2982
496	3	Biased	20.292	19.988	-0.3044
497	3	Unbiased	19.127	19.036	-0.091
498	3	Unbiased	21.151	20.82	-0.3306
499	3	Unbiased	21.04	20.82	-0.2192
500	3	Unbiased	20.088	20.189	0.1014
502	3	Unbiased	18.68	19.127	0.4467

Test Statistics (S)

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	18.856	19.746	20.395	0.79743	19.127	19.87	20.395	0.66178	0	0.1237	0.2706	0.13678
3	18.593	19.782	21.151	0.95191	18.337	19.667	20.82	0.85038	-0.7919	-0.11465	0.4467	0.37542
10	18.593	19.972	20.929	0.73824	18.68	20.004	20.929	0.75635	-0.3697	0.03126	0.5939	0.27706
30	18.768	19.805	21.844	0.8941	18.507	19.737	20.82	0.73978	-1.0239	-0.06803	0.3997	0.43232
50	18.422	19.655	21.377	0.94781	18.422	19.608	21.263	0.84274	-0.7763	-0.04683	0.544	0.37035
100	18.337	19.476	21.377	0.86218	18.422	19.903	24.227	1.8186	-0.7052	0.42631	4.4377	1.4628

Device Test: 20.81 EA_COMP_ISWITCH_GM_13A_25C(GMPS|STATIC/SW/12////@EA_COMP_ISWITCH_GM_13A_25C)





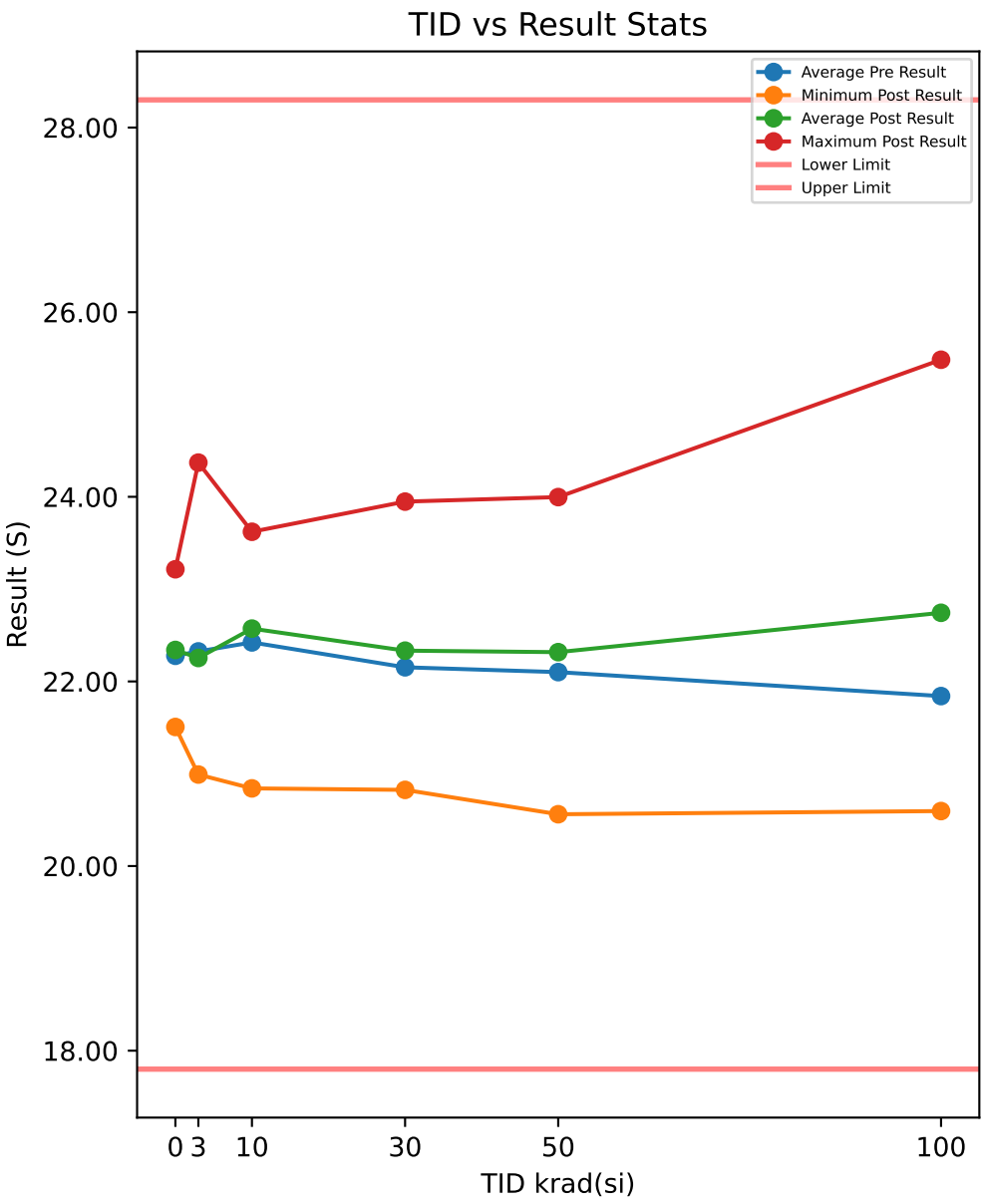
Test Results (Lower Limit = 9.6, Upper Limit = 17.5 (S))

Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
390	100	Biased	12.874	13.259	0.3842
392	100	Biased	13.528	12.571	-0.9573
393	100	Biased	13.392	12.453	-0.9387
394	100	Biased	14.026	12.453	-1.5731
395	100	Biased	13.667	12.937	-0.7297
412	100	Unbiased	12.874	13	0.1255
413	100	Unbiased	13.808	13.88	0.072
414	100	Unbiased	14.972	15.056	0.0845
415	100	Unbiased	13.528	16.152	2.6237
416	100	Unbiased	12.937	13.259	0.3218
417	50	Biased	13.597	13.737	0.1402
418	50	Biased	13.064	12.937	-0.1268
419	50	Biased	14.972	14.026	-0.9456
421	50	Biased	13.528	13.259	-0.2692
422	50	Biased	14.643	14.643	0.0001
423	50	Unbiased	13.064	13.259	0.1949
424	50	Unbiased	12.812	12.937	0.1244
425	50	Unbiased	14.176	13.737	-0.4385
426	50	Unbiased	13.064	12.937	-0.1269
427	50	Unbiased	13.667	13.46	-0.207
463	0	Corr	13.46	13.325	-0.1346
464	0	Corr	14.251	13.953	-0.2984
465	0	Corr	13.808	13.808	0
466	30	Biased	13.597	13.46	-0.1374
469	30	Biased	13.064	12.874	-0.1893
470	30	Biased	13.193	12.812	-0.3805
472	30	Biased	14.806	14.405	-0.4001
474	30	Biased	13.88	13.597	-0.2833
475	30	Unbiased	14.724	14.026	-0.6974
477	30	Unbiased	13.808	13.737	-0.0711
478	30	Unbiased	13.953	14.026	0.0734
479	30	Unbiased	14.175	13.88	-0.2952
480	30	Unbiased	13.128	13.259	0.1306
481	10	Biased	14.176	14.405	0.2298
482	10	Biased	14.484	14.484	-0.0001
483	10	Biased	13.737	13.46	-0.2775
484	10	Biased	14.405	14.176	-0.2298
485	10	Biased	13.808	13.667	-0.1416
487	10	Unbiased	14.026	13.953	-0.0734
488	10	Unbiased	13.128	13.064	-0.0644
489	10	Unbiased	14.484	14.484	-0.0001
490	10	Unbiased	12.751	13.064	0.3125
491	10	Unbiased	14.175	14.176	0.0002
492	3	Biased	13.193	13.128	-0.0649
493	3	Biased	12.937	12.937	0
494	3	Biased	14.328	14.026	-0.3017
495	3	Biased	13.88	13.737	-0.1431
496	3	Biased	13.953	13.737	-0.2158
497	3	Unbiased	13.128	13.325	0.1969
498	3	Unbiased	14.328	14.405	0.0775
499	3	Unbiased	14.806	14.328	-0.4775
500	3	Unbiased	14.251	14.328	0.0766
502	3	Unbiased	13.46	13.597	0.1373

Test Statistics (S)

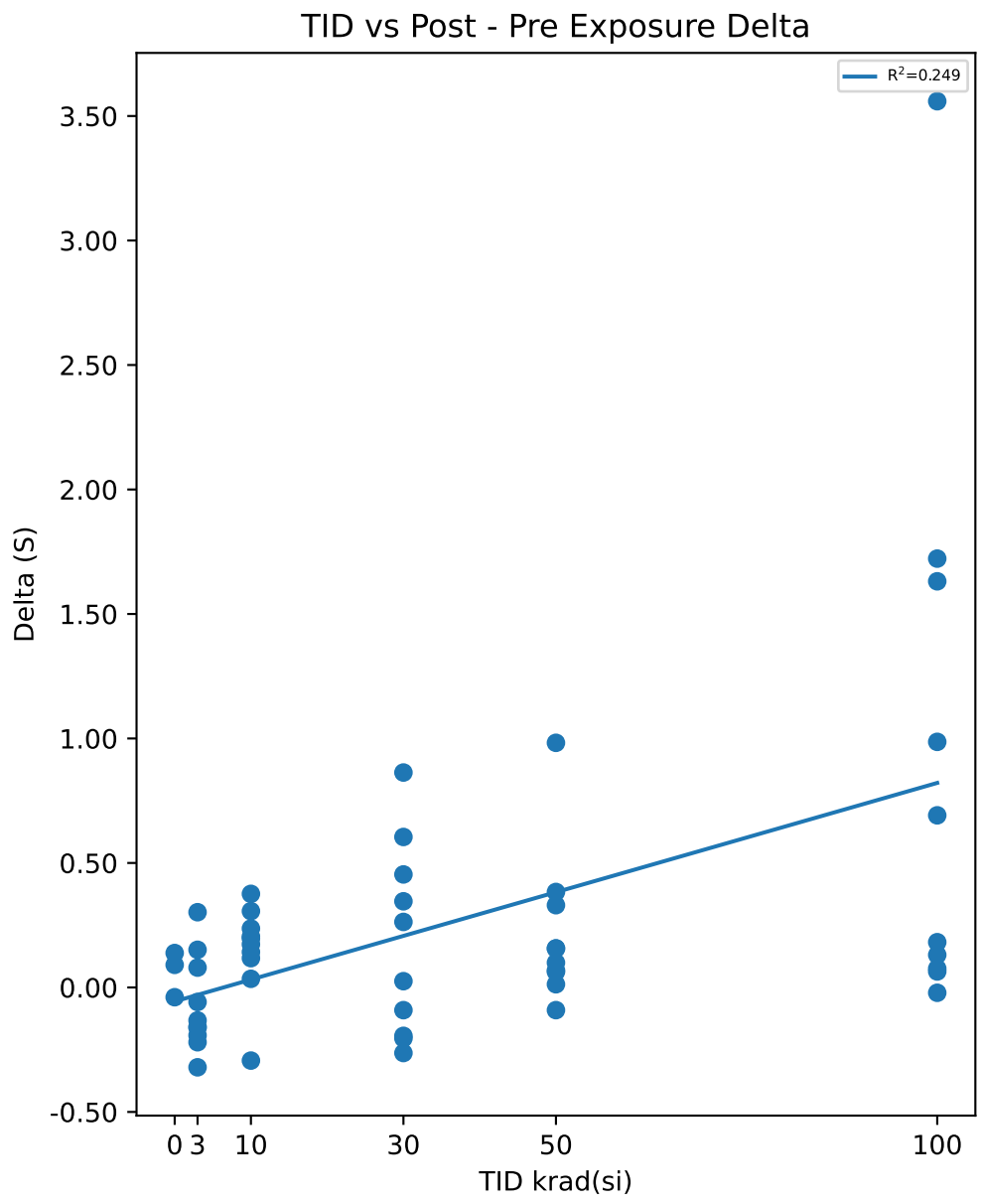
krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	13.46	13.84	14.251	0.39678	13.325	13.695	13.953	0.32882	-0.2984	-0.14433	0	0.14944
3	12.937	13.826	14.806	0.62145	12.937	13.755	14.405	0.5192	-0.4775	-0.07147	0.1969	0.2131
10	12.751	13.917	14.484	0.58234	13.064	13.893	14.484	0.55156	-0.2775	-0.02444	0.3125	0.18375
30	13.064	13.833	14.806	0.61714	12.812	13.608	14.405	0.51552	-0.6974	-0.22503	0.1306	0.24369
50	12.812	13.659	14.972	0.72717	12.937	13.493	14.643	0.55423	-0.9456	-0.16544	0.1949	0.33885
100	12.874	13.561	14.972	0.6362	12.453	13.502	16.152	1.2173	-1.5731	-0.05871	2.6237	1.1515

Device Test: 20.86 EA_COMP_ISWITCH_GM_0P5V_19A(GMPS|STATIC/SW/12////@EA_COMP_ISWITCH_GM_0P5V_19A



Test Results (Lower Limit = 17.8, Upper Limit = 28.3 (S))

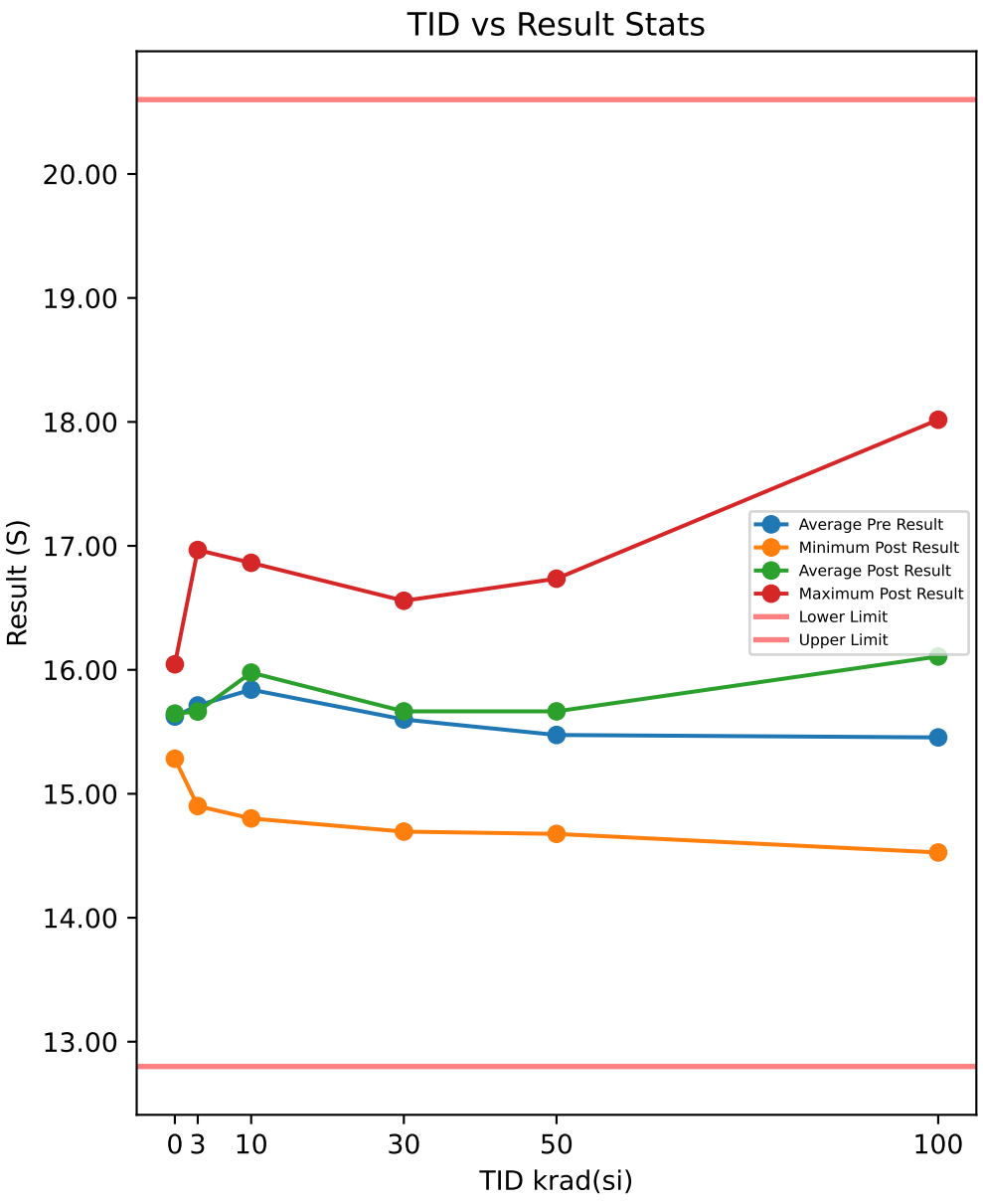
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
390	100	Biased	20.969	22.6	1.6312
392	100	Biased	21.662	21.738	0.076
393	100	Biased	21.627	22.318	0.6913
394	100	Biased	22.587	22.652	0.0642
395	100	Biased	22.174	22.153	-0.0214
412	100	Unbiased	20.465	20.596	0.1308
413	100	Unbiased	22.476	22.658	0.1818
414	100	Unbiased	23.762	25.485	1.7224
415	100	Unbiased	21.919	25.479	3.5594
416	100	Unbiased	20.771	21.758	0.9864
417	50	Biased	22.744	23.075	0.3304
418	50	Biased	21.058	21.121	0.0627
419	50	Biased	23.613	23.997	0.3835
421	50	Biased	21.557	21.714	0.1567
422	50	Biased	23.753	23.909	0.1566
423	50	Unbiased	21.301	22.284	0.9825
424	50	Unbiased	20.548	20.561	0.0128
425	50	Unbiased	22.832	22.932	0.0995
426	50	Unbiased	21.364	21.433	0.0686
427	50	Unbiased	22.238	22.147	-0.0911
463	0	Corr	21.368	21.507	0.1383
464	0	Corr	22.341	22.301	-0.0392
465	0	Corr	23.124	23.215	0.0907
466	30	Biased	21.906	22.36	0.4539
469	30	Biased	21.58	21.376	-0.2043
470	30	Biased	20.916	20.825	-0.0912
472	30	Biased	23.923	23.948	0.0252
474	30	Biased	22.424	22.16	-0.2633
475	30	Unbiased	22.787	22.593	-0.1944
477	30	Unbiased	22.04	22.386	0.346
478	30	Unbiased	22.149	23.013	0.8632
479	30	Unbiased	22.292	22.555	0.2632
480	30	Unbiased	21.514	22.119	0.6044
481	10	Biased	23.837	23.544	-0.2937
482	10	Biased	23.424	23.621	0.1969
483	10	Biased	21.874	22.078	0.2046
484	10	Biased	23.246	23.281	0.0347
485	10	Biased	22.581	22.699	0.1177
487	10	Unbiased	22.671	22.844	0.1732
488	10	Unbiased	20.465	20.841	0.3759
489	10	Unbiased	23.335	23.477	0.1422
490	10	Unbiased	20.913	21.219	0.3065
491	10	Unbiased	21.881	22.118	0.2368
492	3	Biased	21.184	20.991	-0.1923
493	3	Biased	21.474	21.625	0.1513
494	3	Biased	22.147	22.227	0.0797
495	3	Biased	22.619	22.399	-0.22
496	3	Biased	21.97	21.912	-0.0584
497	3	Unbiased	22.124	21.966	-0.1582
498	3	Unbiased	23.598	23.465	-0.1324
499	3	Unbiased	24.691	24.37	-0.3207
500	3	Unbiased	22.008	21.846	-0.1616
502	3	Unbiased	21.437	21.739	0.3022



Test Statistics (S)

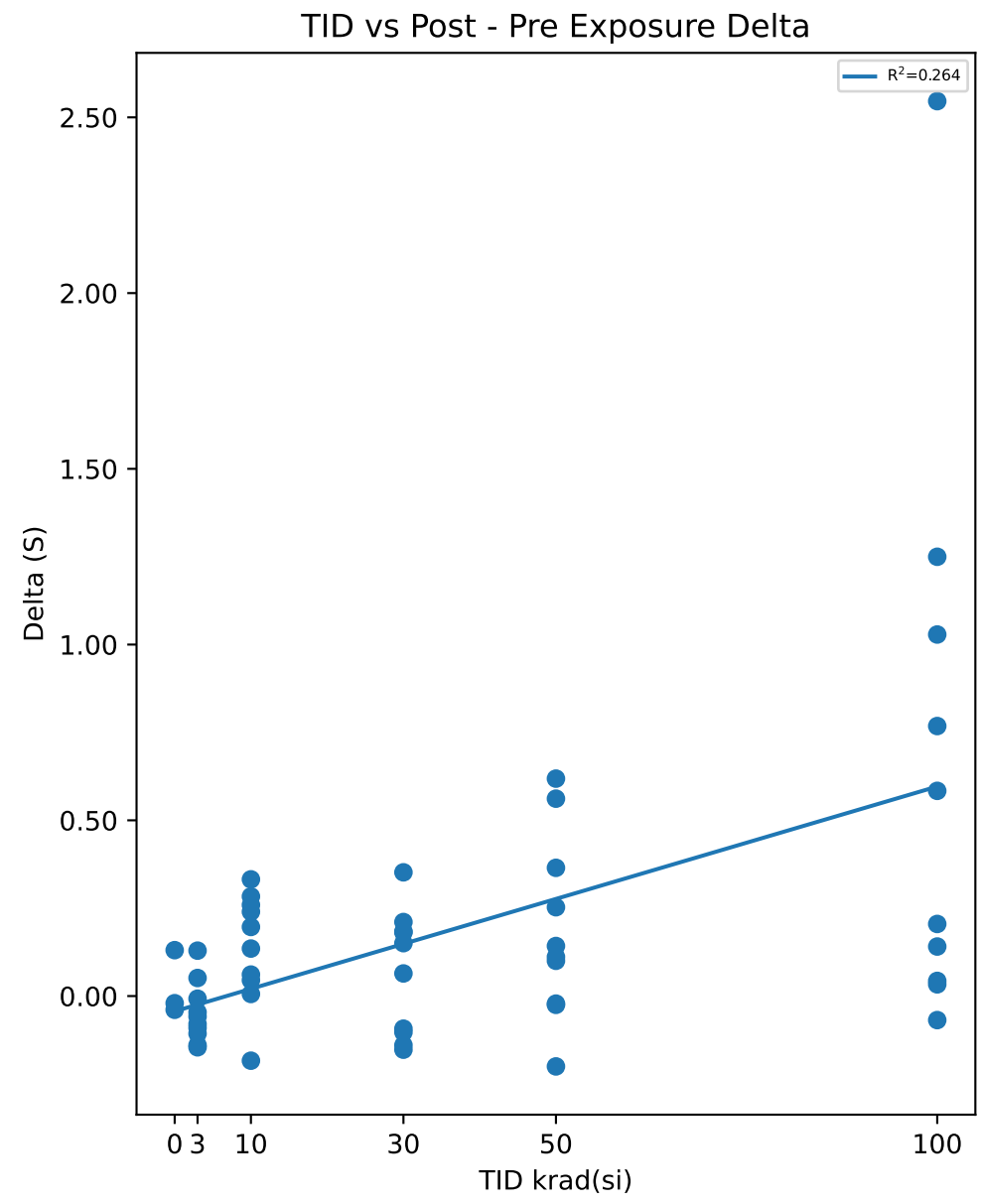
krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	21.368	22.278	23.124	0.87968	21.507	22.341	23.215	0.85489	-0.0392	0.063267	0.1383	0.091875
3	21.184	22.325	24.691	1.0759	20.991	22.254	24.37	0.97691	-0.3207	-0.07104	0.3022	0.1916
10	20.465	22.423	23.837	1.1209	20.841	22.572	23.621	0.98503	-0.2937	0.14948	0.3759	0.18259
30	20.916	22.153	23.923	0.81416	20.825	22.333	23.948	0.84694	-0.2633	0.18027	0.8632	0.38561
50	20.548	22.101	23.753	1.1034	20.561	22.317	23.997	1.1546	-0.0911	0.21622	0.9825	0.3037
100	20.465	21.841	23.762	0.98018	20.596	22.744	25.485	1.5691	-0.0214	0.90221	3.5594	1.1386

Device Test: 20.87 EA_COMP_ISWITCH_GM_0P5V_13A(GMPS|STATIC/SW/12////@EA_COMP_ISWITCH_GM_0P5V_13A



Test Results (Lower Limit = 12.8, Upper Limit = 20.6 (S))

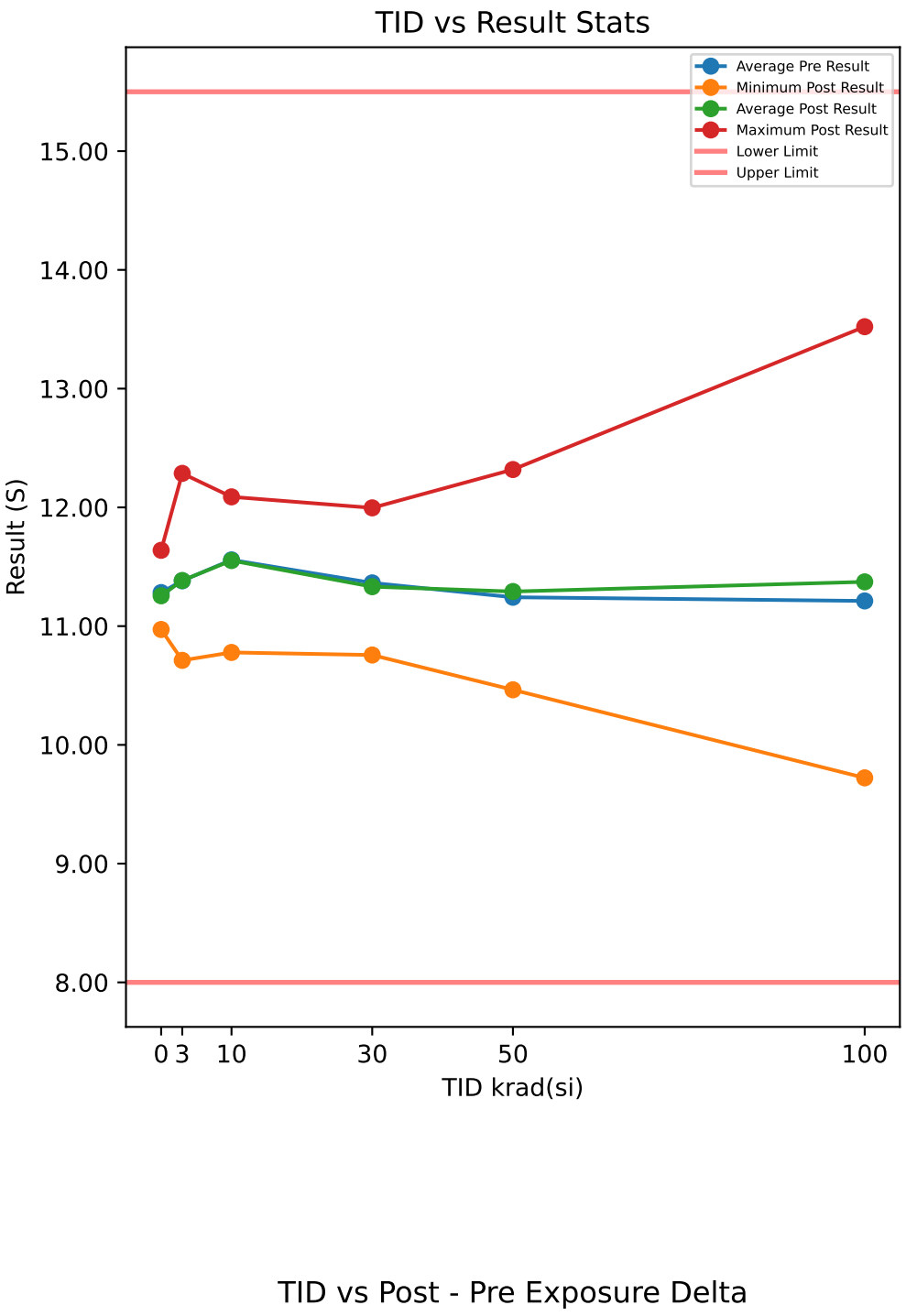
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
390	100	Biased	14.853	16.103	1.2498
392	100	Biased	15.178	15.212	0.0333
393	100	Biased	15.393	15.977	0.5838
394	100	Biased	15.65	15.582	-0.0684
395	100	Biased	15.842	15.885	0.0431
412	100	Unbiased	14.386	14.527	0.1409
413	100	Unbiased	16.026	16.231	0.2051
414	100	Unbiased	16.95	17.978	1.0286
415	100	Unbiased	15.472	18.018	2.5461
416	100	Unbiased	14.798	15.566	0.7682
417	50	Biased	15.621	16.183	0.5616
418	50	Biased	14.739	15.104	0.3648
419	50	Biased	16.593	16.735	0.1424
421	50	Biased	15.046	15.147	0.1003
422	50	Biased	16.532	16.511	-0.0215
423	50	Unbiased	14.764	15.383	0.6186
424	50	Unbiased	14.565	14.676	0.1114
425	50	Unbiased	16.234	16.034	-0.2002
426	50	Unbiased	15.065	15.04	-0.025
427	50	Unbiased	15.585	15.838	0.2527
463	0	Corr	15.152	15.283	0.1306
464	0	Corr	15.653	15.614	-0.0391
465	0	Corr	16.065	16.044	-0.0203
466	30	Biased	15.435	15.646	0.2106
469	30	Biased	15.101	14.961	-0.1397
470	30	Biased	14.788	14.695	-0.0928
472	30	Biased	16.66	16.557	-0.103
474	30	Biased	15.592	15.44	-0.1526
475	30	Unbiased	16.078	16.142	0.0643
477	30	Unbiased	15.691	15.842	0.1505
478	30	Unbiased	15.859	16.04	0.181
479	30	Unbiased	15.669	15.853	0.1839
480	30	Unbiased	15.121	15.473	0.352
481	10	Biased	16.694	16.51	-0.1839
482	10	Biased	16.667	16.863	0.1966
483	10	Biased	15.451	15.71	0.2592
484	10	Biased	16.224	16.556	0.332
485	10	Biased	15.952	16.013	0.0611
487	10	Unbiased	15.918	16.053	0.1351
488	10	Unbiased	14.584	14.867	0.2834
489	10	Unbiased	16.768	16.774	0.0059
490	10	Unbiased	14.756	14.801	0.0451
491	10	Unbiased	15.389	15.629	0.2399
492	3	Biased	14.909	14.901	-0.0075
493	3	Biased	15.049	15.003	-0.0461
494	3	Biased	15.829	15.722	-0.1068
495	3	Biased	15.706	15.835	0.1292
496	3	Biased	15.261	15.312	0.0514
497	3	Unbiased	15.48	15.4	-0.0797
498	3	Unbiased	16.791	16.646	-0.1458
499	3	Unbiased	17.106	16.967	-0.1396
500	3	Unbiased	15.571	15.513	-0.0581
502	3	Unbiased	15.426	15.335	-0.0903

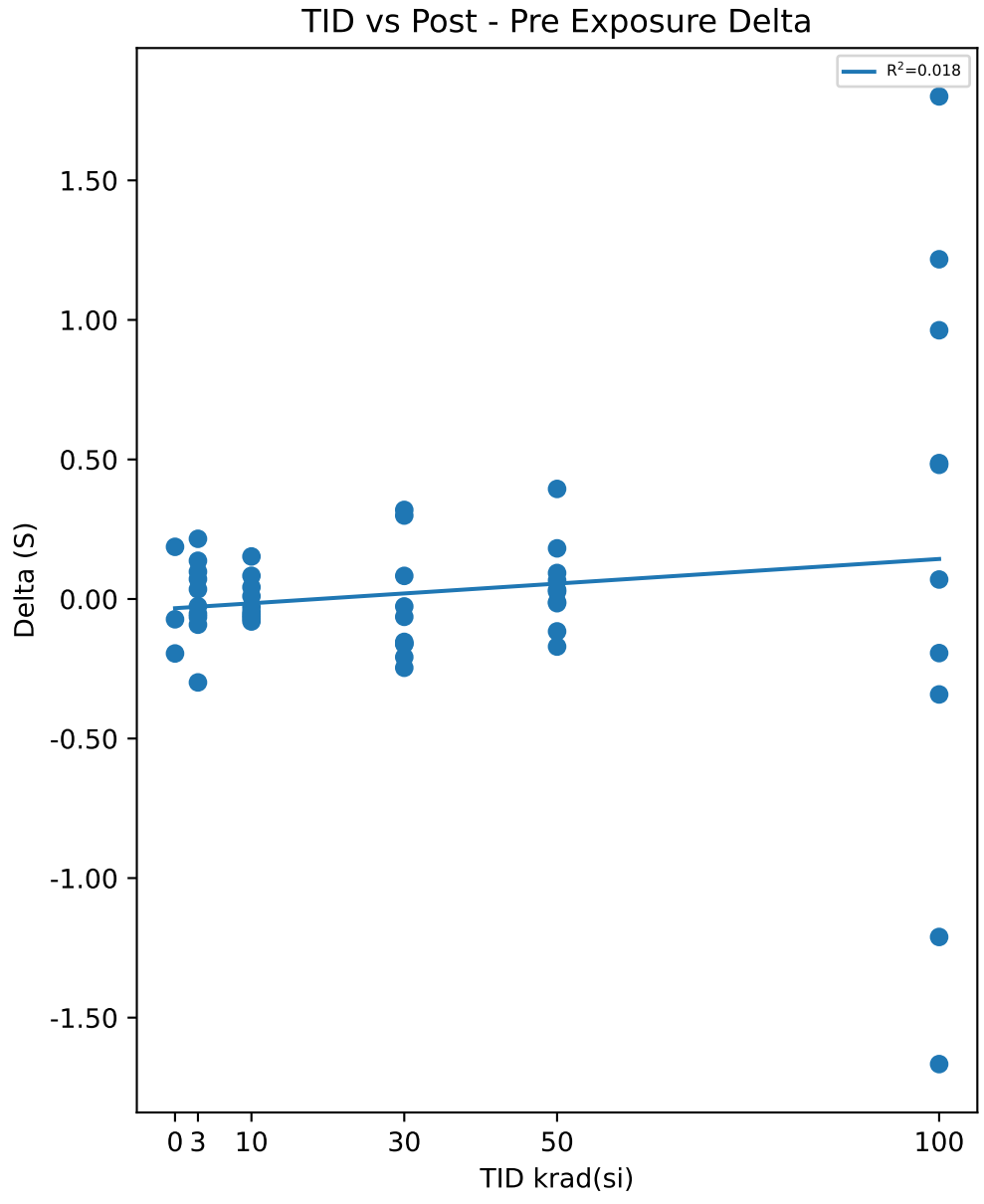


Test Statistics (S)

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	15.152	15.623	16.065	0.45701	15.283	15.647	16.044	0.38195	-0.0391	0.023733	0.1306	0.093025
3	14.909	15.713	17.106	0.71239	14.901	15.663	16.967	0.66973	-0.1458	-0.04933	0.1292	0.08642
10	14.584	15.84	16.768	0.78504	14.801	15.978	16.863	0.73431	-0.1839	0.13744	0.332	0.15738
30	14.788	15.6	16.66	0.53723	14.695	15.665	16.557	0.55328	-0.1526	0.06542	0.352	0.17665
50	14.565	15.474	16.593	0.76047	14.676	15.665	16.735	0.69339	-0.2002	0.19051	0.6186	0.26161
100	14.386	15.455	16.95	0.72775	14.527	16.108	18.018	1.1107	-0.0684	0.65305	2.5461	0.80543

Device Test: 20.88 EA_COMP_ISWITCH_GM_9A(GMPS|STATIC/SW/12////@EA_COMP_ISWITCH_GM_9A)





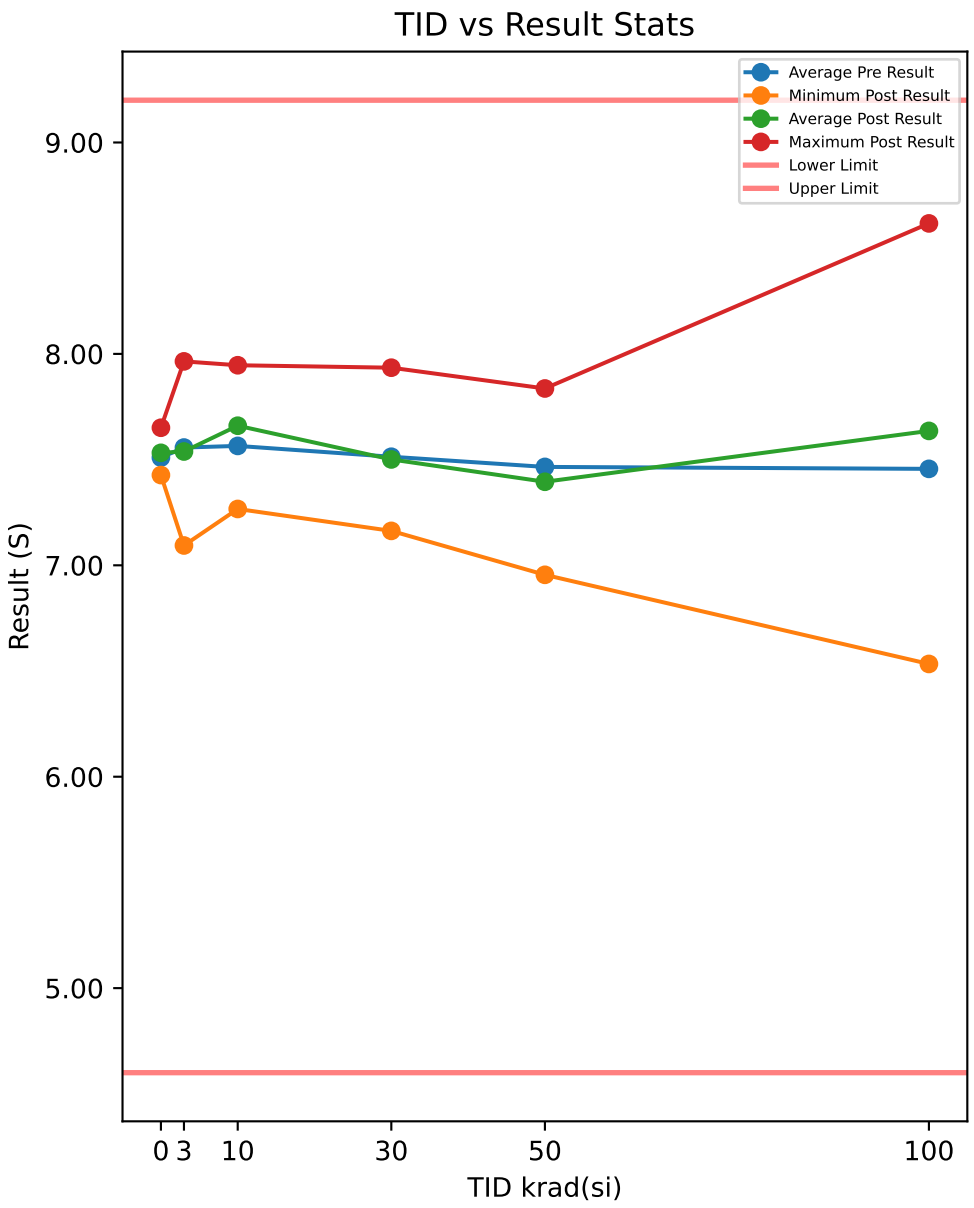
Test Results (Lower Limit = 8.0, Upper Limit = 15.5 (S))

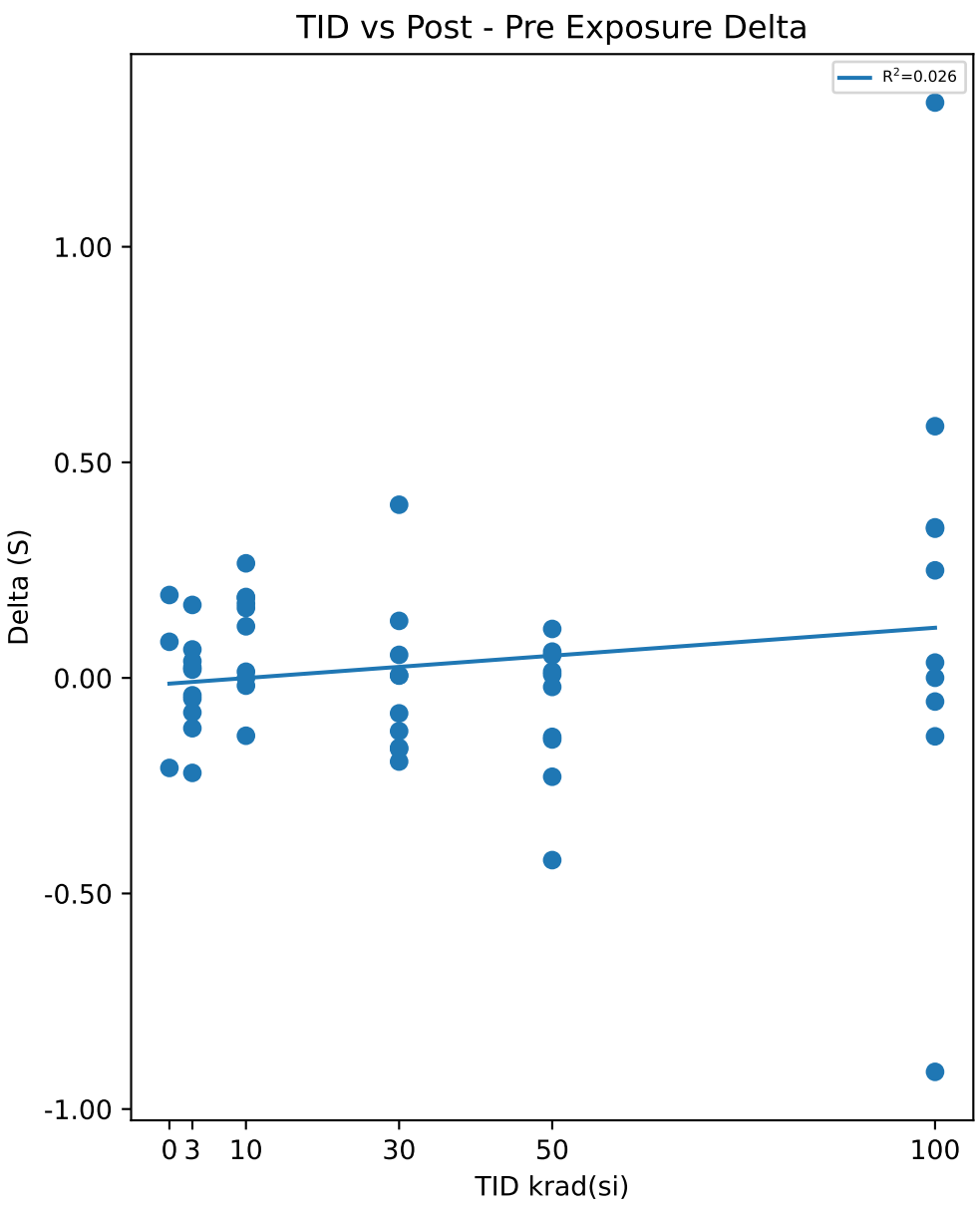
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
390	100	Biased	10.762	11.725	0.9629
392	100	Biased	11.225	10.014	-1.211
393	100	Biased	11.348	11.005	-0.342
394	100	Biased	11.389	9.7223	-1.6665
395	100	Biased	11.134	10.94	-0.1938
412	100	Unbiased	10.597	10.666	0.0698
413	100	Unbiased	11.303	11.783	0.4807
414	100	Unbiased	12.304	13.522	1.2173
415	100	Unbiased	11.402	13.203	1.8008
416	100	Unbiased	10.659	11.146	0.487
417	50	Biased	11.448	11.437	-0.0111
418	50	Biased	10.791	10.824	0.0328
419	50	Biased	12.292	12.319	0.0264
421	50	Biased	10.711	10.778	0.0667
422	50	Biased	11.881	11.866	-0.015
423	50	Unbiased	10.699	11.094	0.3944
424	50	Unbiased	10.634	10.464	-0.1705
425	50	Unbiased	11.762	11.855	0.0932
426	50	Unbiased	10.989	10.873	-0.1161
427	50	Unbiased	11.223	11.404	0.1814
463	0	Corr	10.785	10.972	0.1869
464	0	Corr	11.352	11.156	-0.1952
465	0	Corr	11.711	11.639	-0.0727
466	30	Biased	11.195	11.494	0.299
469	30	Biased	11.313	11.066	-0.2464
470	30	Biased	10.911	10.757	-0.1537
472	30	Biased	12.06	11.996	-0.0639
474	30	Biased	11.297	11.38	0.0828
475	30	Unbiased	11.605	11.444	-0.1612
477	30	Unbiased	11.338	11.178	-0.1603
478	30	Unbiased	11.415	11.734	0.3192
479	30	Unbiased	11.297	11.27	-0.0267
480	30	Unbiased	11.211	11.003	-0.2083
481	10	Biased	12.035	12.006	-0.0284
482	10	Biased	12.058	11.977	-0.0806
483	10	Biased	11.214	11.224	0.0101
484	10	Biased	12.08	12.018	-0.0623
485	10	Biased	11.493	11.535	0.0424
487	10	Unbiased	11.643	11.796	0.1524
488	10	Unbiased	10.903	10.832	-0.0708
489	10	Unbiased	12.144	12.089	-0.0553
490	10	Unbiased	10.824	10.778	-0.0453
491	10	Unbiased	11.184	11.267	0.0831
492	3	Biased	10.738	10.712	-0.0258
493	3	Biased	11.065	11.1	0.0348
494	3	Biased	11.445	11.517	0.0715
495	3	Biased	11.408	11.506	0.0978
496	3	Biased	11.172	11.119	-0.0532
497	3	Unbiased	11.028	11.165	0.137
498	3	Unbiased	12.192	11.893	-0.2989
499	3	Unbiased	12.378	12.286	-0.0921
500	3	Unbiased	11.261	11.476	0.2157
502	3	Unbiased	11.131	11.066	-0.0647

Test Statistics (S)

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	10.785	11.283	11.711	0.46711	10.972	11.256	11.639	0.3443	-0.1952	-0.027	0.1869	0.19511
3	10.738	11.382	12.378	0.51811	10.712	11.384	12.286	0.45532	-0.2989	0.00221	0.2157	0.14401
10	10.824	11.558	12.144	0.50896	10.778	11.552	12.089	0.50084	-0.0806	-0.00547	0.1524	0.076767
30	10.911	11.364	12.06	0.30087	10.757	11.332	11.996	0.36216	-0.2464	-0.03195	0.3192	0.20334
50	10.634	11.243	12.292	0.58099	10.464	11.291	12.319	0.58866	-0.1705	0.04822	0.3944	0.15741
100	10.597	11.212	12.304	0.49215	9.7223	11.373	13.522	1.2339	-1.6665	0.16052	1.8008	1.068

Device Test: 20.89 EA_COMP_ISWITCH_GM_6A(GMPS|STATIC/SW/12////@EA_COMP_ISWITCH_GM_6A)





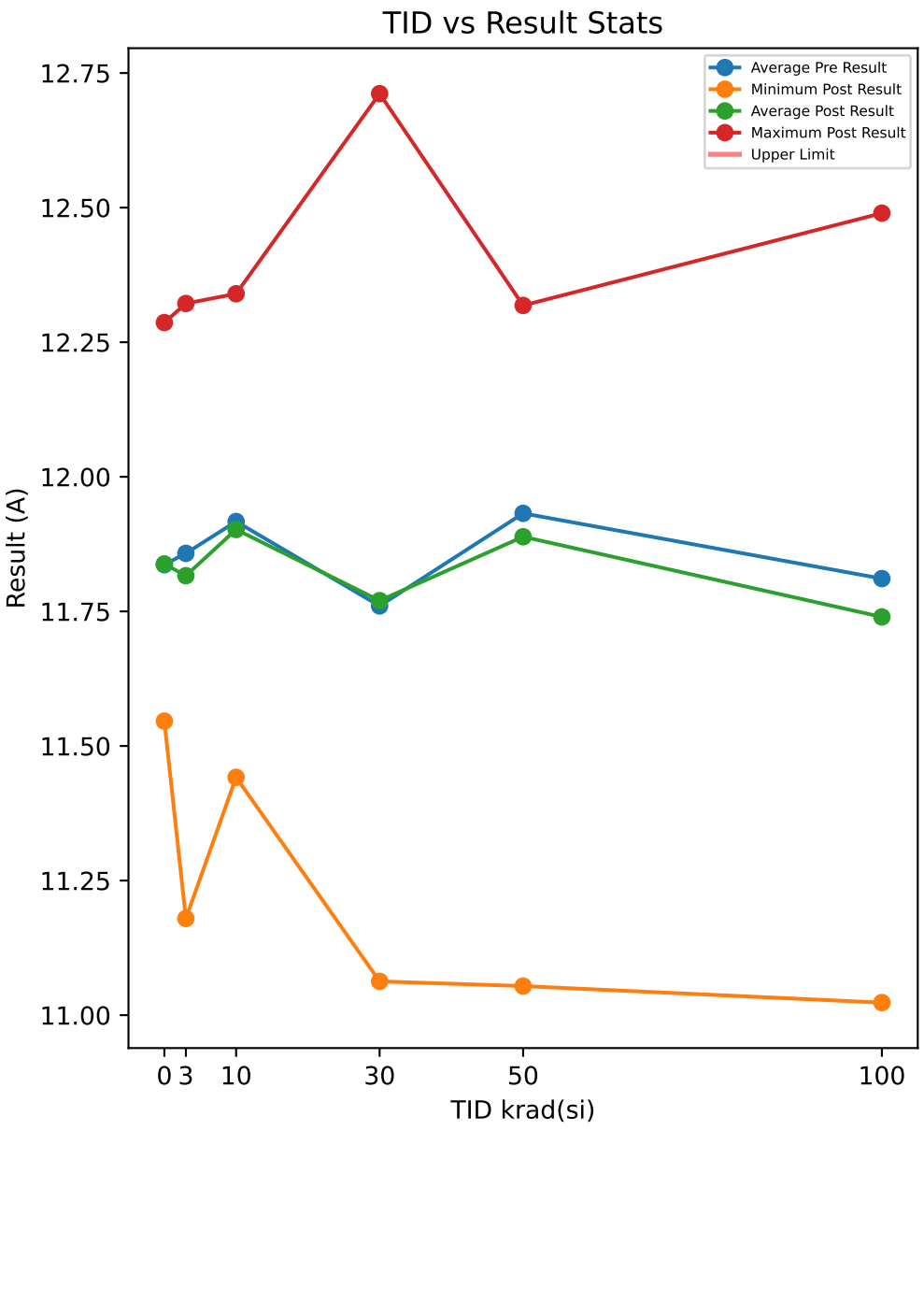
Test Results (Lower Limit = 4.6, Upper Limit = 9.2 (S))

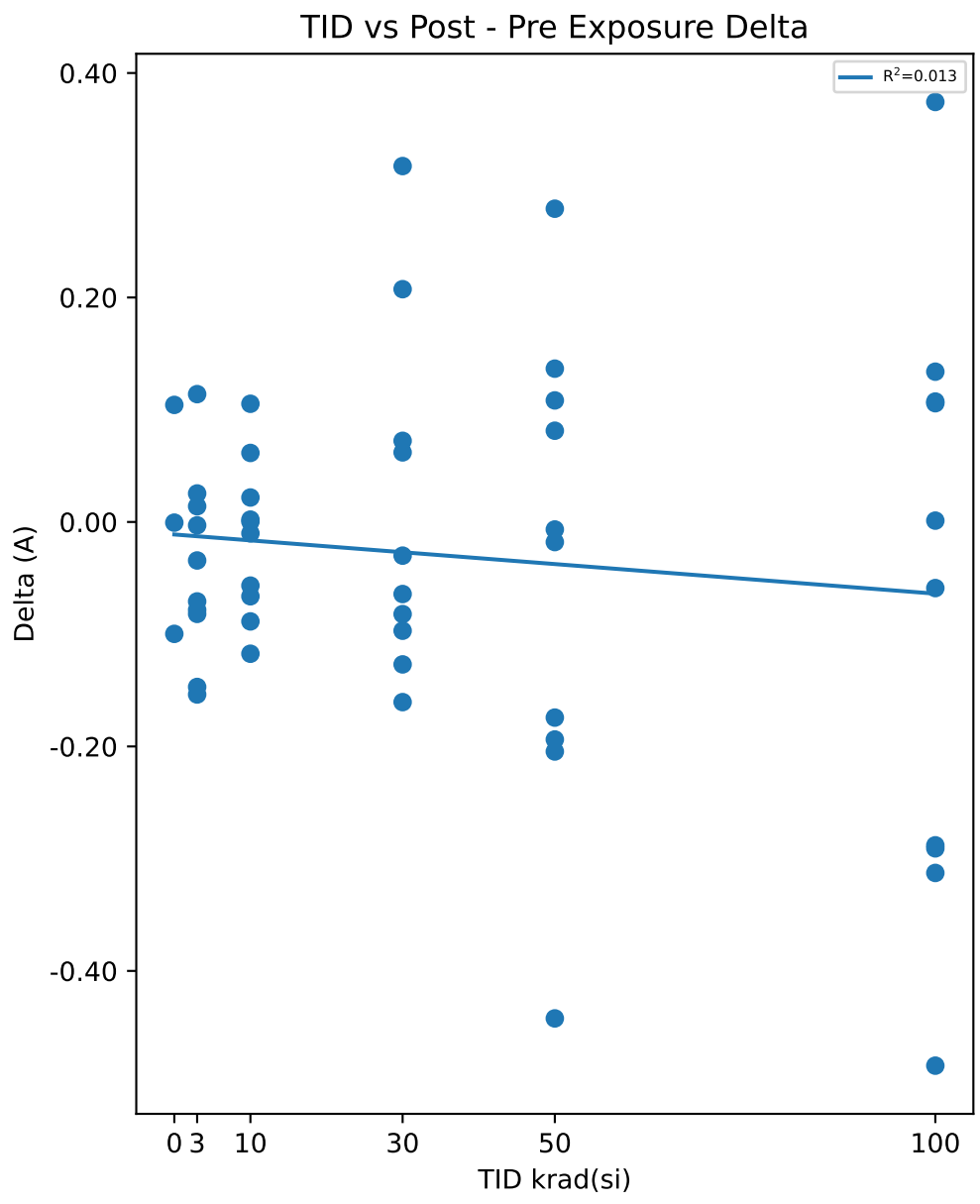
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
390	100	Biased	7.183	7.7668	0.5838
392	100	Biased	7.2083	7.2439	0.0356
393	100	Biased	7.74	7.6852	-0.0548
394	100	Biased	7.4471	6.5334	-0.9137
395	100	Biased	7.6586	7.6589	0.0003
412	100	Unbiased	7.3427	7.2072	-0.1355
413	100	Unbiased	7.551	7.8005	0.2495
414	100	Unbiased	8.2711	8.6172	0.3461
415	100	Unbiased	7.2425	8.577	1.3345
416	100	Unbiased	6.9178	7.267	0.3492
417	50	Biased	7.4384	7.4908	0.0524
418	50	Biased	7.1683	7.2819	0.1136
419	50	Biased	8.0656	7.8364	-0.2292
421	50	Biased	7.0356	7.0504	0.0148
422	50	Biased	7.9075	7.7647	-0.1428
423	50	Unbiased	7.3421	7.4031	0.061
424	50	Unbiased	7.0917	6.955	-0.1367
425	50	Unbiased	8.0258	7.6032	-0.4226
426	50	Unbiased	7.1632	7.1423	-0.0209
427	50	Unbiased	7.4161	7.4237	0.0076
463	0	Corr	7.2345	7.4268	0.1923
464	0	Corr	7.8595	7.6507	-0.2088
465	0	Corr	7.4347	7.5185	0.0838
466	30	Biased	7.3997	7.4532	0.0535
469	30	Biased	7.5395	7.3455	-0.194
470	30	Biased	7.1575	7.1628	0.0053
472	30	Biased	8.0169	7.9347	-0.0822
474	30	Biased	7.4209	7.8226	0.4017
475	30	Unbiased	7.6369	7.4723	-0.1646
477	30	Unbiased	7.4496	7.2875	-0.1621
478	30	Unbiased	7.6698	7.6758	0.006
479	30	Unbiased	7.5459	7.4225	-0.1234
480	30	Unbiased	7.2984	7.4307	0.1323
481	10	Biased	7.7907	7.7727	-0.018
482	10	Biased	7.5954	7.7808	0.1854
483	10	Biased	7.4479	7.6356	0.1877
484	10	Biased	7.6805	7.9463	0.2658
485	10	Biased	7.5545	7.5689	0.0144
487	10	Unbiased	7.7942	7.794	-0.0002
488	10	Unbiased	7.0998	7.2723	0.1725
489	10	Unbiased	8.0759	7.9418	-0.1341
490	10	Unbiased	7.1042	7.2665	0.1623
491	10	Unbiased	7.5041	7.6238	0.1197
492	3	Biased	7.3141	7.0938	-0.2203
493	3	Biased	7.4767	7.5427	0.066
494	3	Biased	7.6723	7.5921	-0.0802
495	3	Biased	7.6644	7.8337	0.1693
496	3	Biased	7.3833	7.4221	0.0388
497	3	Unbiased	7.2312	7.1909	-0.0403
498	3	Unbiased	7.8633	7.8153	-0.048
499	3	Unbiased	7.9454	7.9646	0.0192
500	3	Unbiased	7.7564	7.6397	-0.1167
502	3	Unbiased	7.2636	7.2882	0.0246

Test Statistics (S)

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	7.2345	7.5096	7.8595	0.31916	7.4268	7.532	7.6507	0.11256	-0.2088	0.022433	0.1923	0.20747
3	7.2312	7.5571	7.9454	0.25758	7.0938	7.5383	7.9646	0.2893	-0.2203	-0.01876	0.1693	0.10775
10	7.0998	7.5647	8.0759	0.30277	7.2665	7.6603	7.9463	0.24083	-0.1341	0.09555	0.2658	0.12378
30	7.1575	7.5135	8.0169	0.23414	7.1628	7.5008	7.9347	0.24047	-0.194	-0.01275	0.4017	0.18048
50	7.0356	7.4654	8.0656	0.39329	6.955	7.3951	7.8364	0.29324	-0.4226	-0.07028	0.1136	0.1636
100	6.9178	7.4562	8.2711	0.377	6.5334	7.6357	8.6172	0.63112	-0.9137	0.1795	1.3345	0.57358

Device Test: 20.9 HIGHSIDE_CURR_LIM2_9A(THRESHOLD|RISE/SW/4.5////@HIGHSIDE_CURR_LIM2_9A)





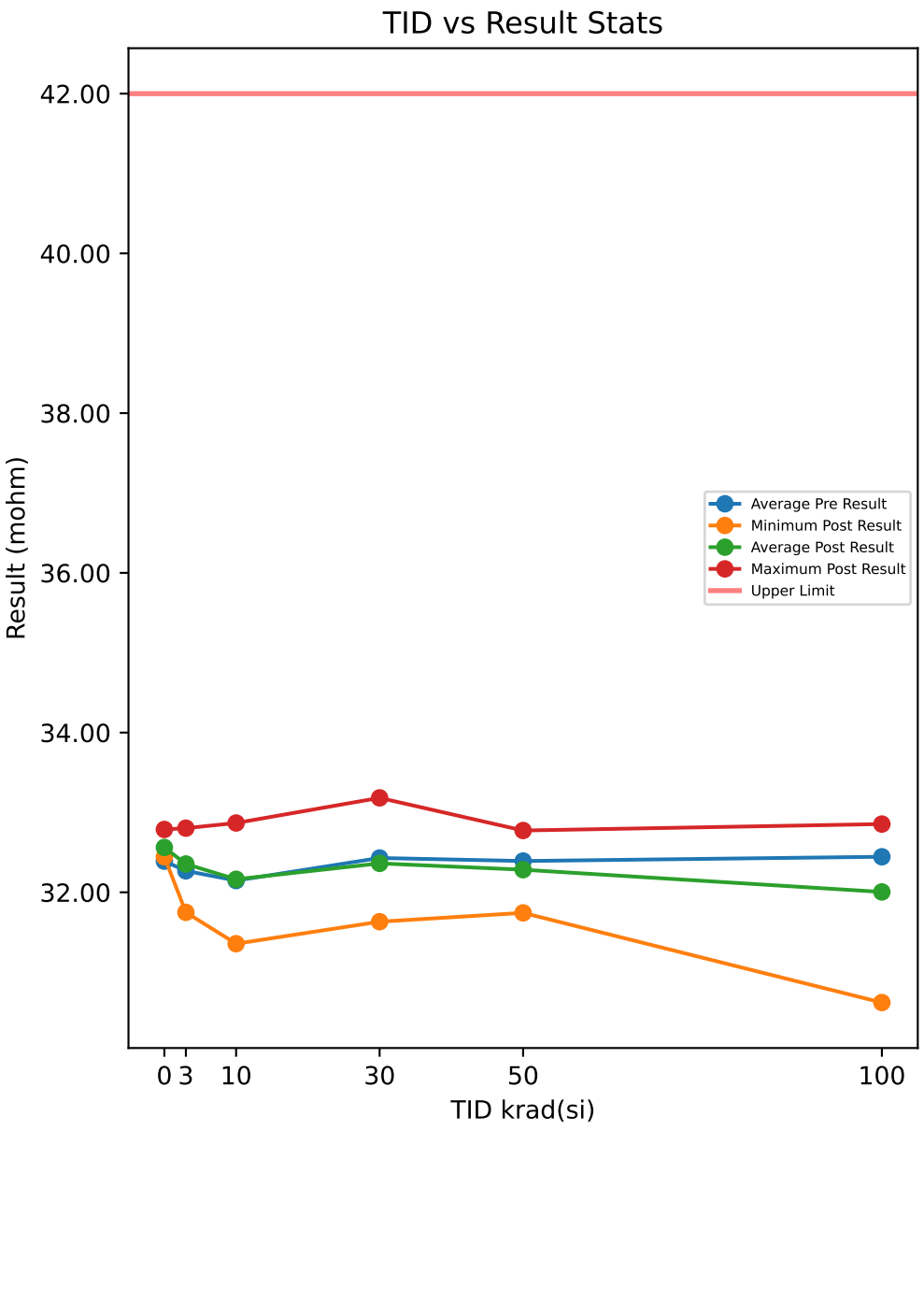
Test Results (No Limits Specified (A))

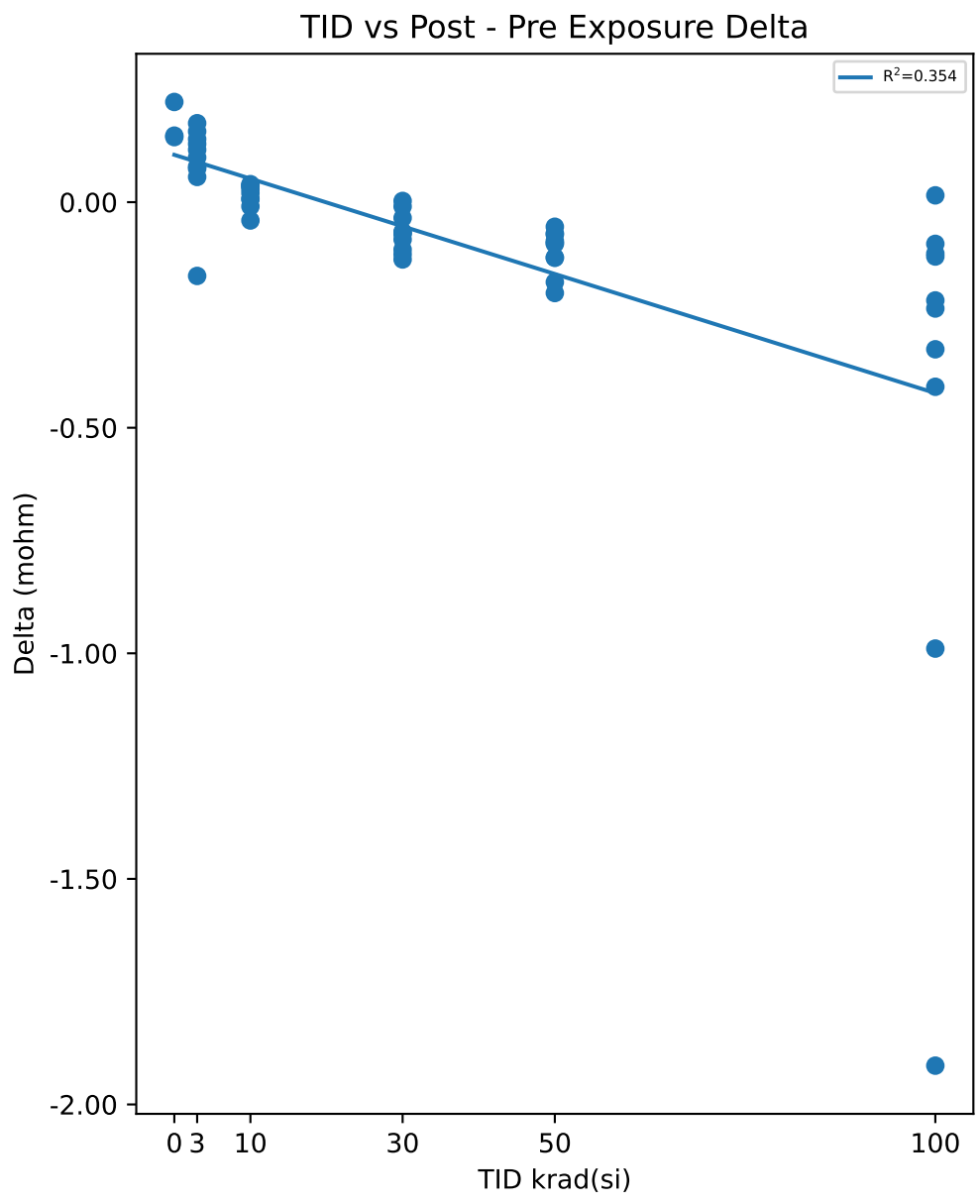
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
390	100	Biased	12.384	12.49	0.1058
392	100	Biased	12.443	12.153	-0.2908
393	100	Biased	11.812	12.186	0.3742
394	100	Biased	11.508	11.023	-0.4844
395	100	Biased	11.667	11.608	-0.0589
412	100	Unbiased	11.65	11.758	0.1073
413	100	Unbiased	12.087	12.088	0.0012
414	100	Unbiased	11.425	11.112	-0.3127
415	100	Unbiased	11.415	11.549	0.1339
416	100	Unbiased	11.719	11.431	-0.2881
417	50	Biased	11.742	11.879	0.1366
418	50	Biased	12.039	12.318	0.2791
419	50	Biased	11.496	11.054	-0.4423
421	50	Biased	11.839	11.821	-0.0179
422	50	Biased	12.309	12.302	-0.0067
423	50	Unbiased	12.118	12.226	0.1083
424	50	Unbiased	11.476	11.272	-0.2045
425	50	Unbiased	12.111	11.917	-0.1938
426	50	Unbiased	12.19	12.016	-0.1743
427	50	Unbiased	12.001	12.082	0.0813
463	0	Corr	11.682	11.682	-0.0006
464	0	Corr	11.442	11.546	0.1043
465	0	Corr	12.386	12.287	-0.0997
466	30	Biased	11.379	11.252	-0.1269
469	30	Biased	11.921	12.128	0.2074
470	30	Biased	11.681	11.521	-0.1605
472	30	Biased	12.069	12.131	0.062
474	30	Biased	12.639	12.712	0.0723
475	30	Unbiased	11.531	11.449	-0.0821
477	30	Unbiased	11.178	11.495	0.3171
478	30	Unbiased	11.16	11.063	-0.0969
479	30	Unbiased	12.379	12.315	-0.0642
480	30	Unbiased	11.665	11.635	-0.03
481	10	Biased	12.205	12.088	-0.1174
482	10	Biased	11.788	11.788	0.0003
483	10	Biased	12.397	12.34	-0.0567
484	10	Biased	12.106	12.017	-0.0886
485	10	Biased	12.011	12.001	-0.0101
487	10	Unbiased	11.42	11.442	0.0218
488	10	Unbiased	11.529	11.463	-0.0662
489	10	Unbiased	11.784	11.89	0.1053
490	10	Unbiased	11.914	11.916	0.0021
491	10	Unbiased	12.016	12.078	0.0615
492	3	Biased	12.286	12.132	-0.1537
493	3	Biased	11.915	11.833	-0.0819
494	3	Biased	11.258	11.18	-0.0783
495	3	Biased	12.296	12.322	0.0254
496	3	Biased	11.675	11.604	-0.0708
497	3	Unbiased	11.768	11.764	-0.003
498	3	Unbiased	11.501	11.354	-0.147
499	3	Unbiased	12.185	12.151	-0.0343
500	3	Unbiased	11.993	12.107	0.1139
502	3	Unbiased	11.701	11.715	0.014

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	11.442	11.837	12.386	0.49076	11.546	11.838	12.287	0.39418	-0.0997	0.0013333	0.1043	0.10201
3	11.258	11.858	12.296	0.34285	11.18	11.816	12.322	0.36958	-0.1537	-0.04157	0.1139	0.082194
10	11.42	11.917	12.397	0.29799	11.442	11.902	12.34	0.27851	-0.1174	-0.0148	0.1053	0.068712
30	11.16	11.76	12.639	0.49337	11.063	11.77	12.712	0.52393	-0.1605	0.00982	0.3171	0.15445
50	11.476	11.932	12.309	0.28549	11.054	11.889	12.318	0.42241	-0.4423	-0.04342	0.2791	0.21129
100	11.415	11.811	12.443	0.37378	11.023	11.74	12.49	0.48422	-0.4844	-0.07125	0.3742	0.26528

Device Test: 21.14 R_LOWSIDE_12V_25C(LEVEL|LOWSIDE/SW/12/2///@R_LOWSIDE_12V_25C)





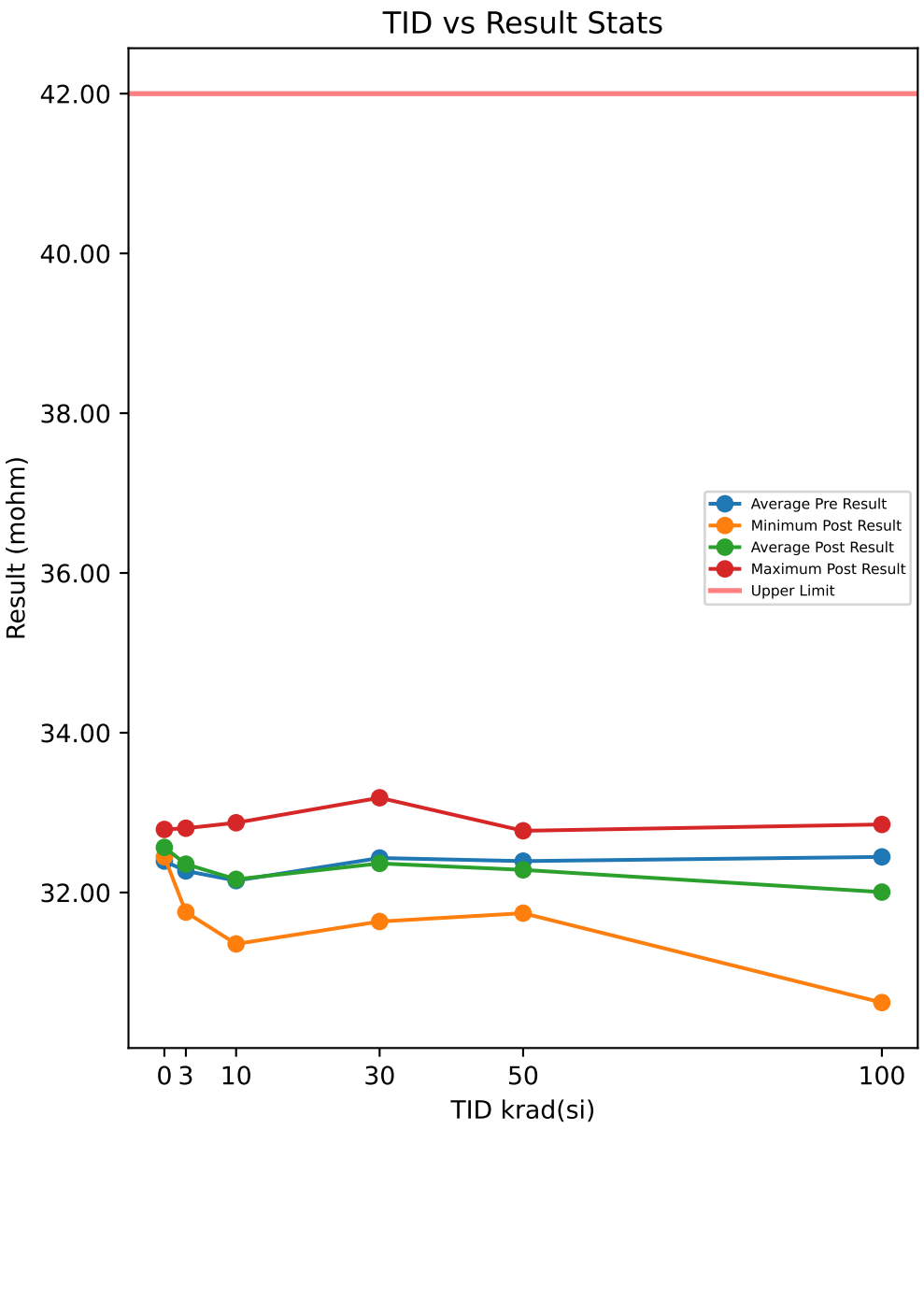
Test Results (Upper Limit = 42.0 (mohm))

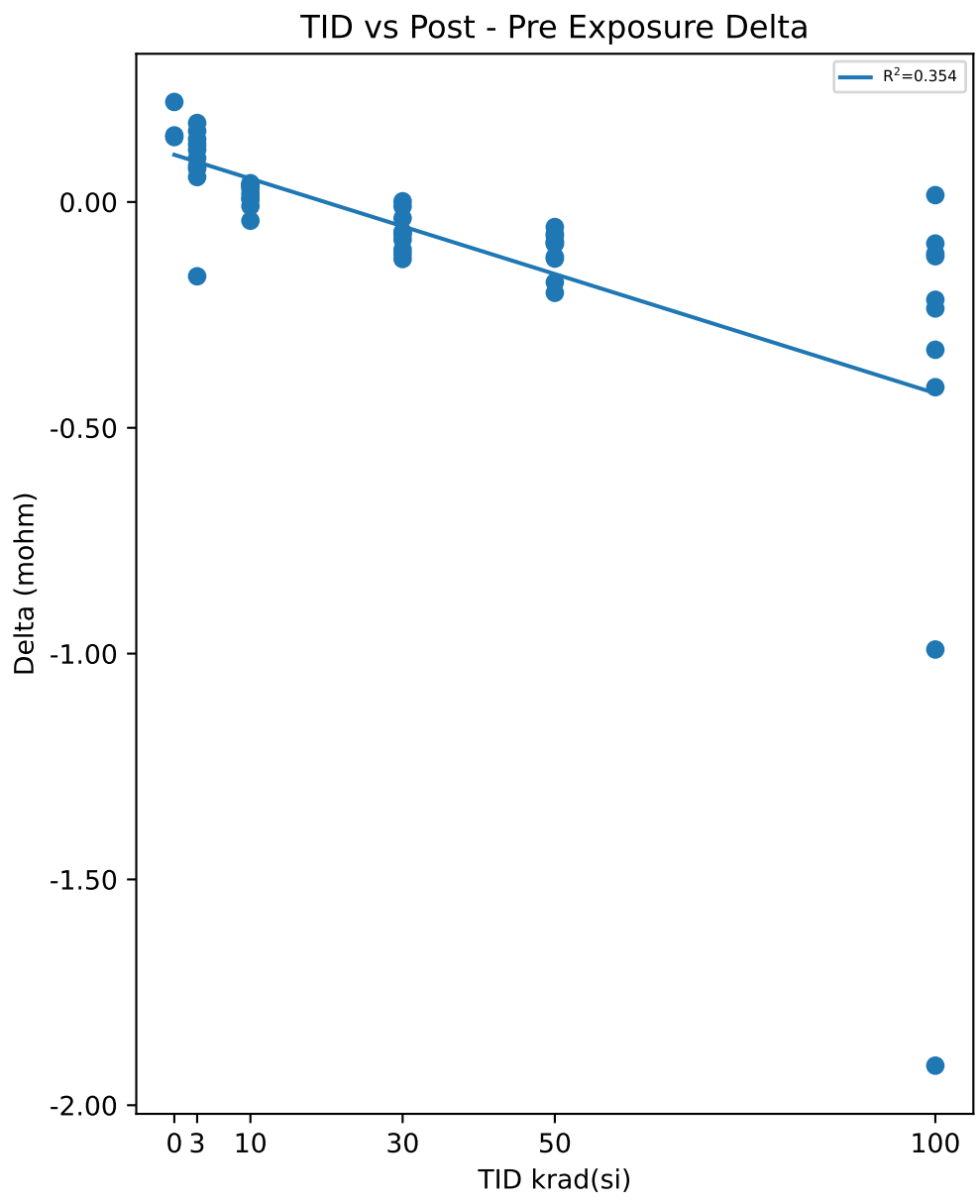
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
390	100	Biased	32.725	32.611	-0.1139
392	100	Biased	32.794	31.805	-0.9895
393	100	Biased	31.725	31.604	-0.1205
394	100	Biased	32.533	30.62	-1.914
395	100	Biased	32.19	32.098	-0.0924
412	100	Unbiased	32.653	32.435	-0.2178
413	100	Unbiased	32.075	31.839	-0.2357
414	100	Unbiased	31.932	31.947	0.0151
415	100	Unbiased	32.559	32.233	-0.3261
416	100	Unbiased	33.264	32.855	-0.4092
417	50	Biased	32.615	32.525	-0.0904
418	50	Biased	32.496	32.41	-0.0862
419	50	Biased	32.197	32.02	-0.1773
421	50	Biased	32.653	32.561	-0.0924
422	50	Biased	31.975	31.92	-0.0545
423	50	Unbiased	32.526	32.325	-0.2014
424	50	Unbiased	32.491	32.368	-0.1233
425	50	Unbiased	31.865	31.743	-0.1226
426	50	Unbiased	32.845	32.774	-0.0714
427	50	Unbiased	32.254	32.185	-0.0693
463	0	Corr	32.64	32.787	0.1475
464	0	Corr	32.301	32.445	0.1442
465	0	Corr	32.23	32.452	0.2221
466	30	Biased	32.226	32.191	-0.0349
469	30	Biased	32.303	32.232	-0.0706
470	30	Biased	32.439	32.312	-0.127
472	30	Biased	31.642	31.632	-0.0095
474	30	Biased	33.18	33.182	0.0027
475	30	Unbiased	32.131	32.026	-0.105
477	30	Unbiased	32.507	32.391	-0.1156
478	30	Unbiased	32.212	32.13	-0.0827
479	30	Unbiased	32.746	32.68	-0.0655
480	30	Unbiased	32.914	32.846	-0.0678
481	10	Biased	31.993	31.983	-0.0093
482	10	Biased	31.725	31.732	0.0064
483	10	Biased	32.045	32.085	0.0399
484	10	Biased	31.319	31.356	0.0373
485	10	Biased	32.198	32.232	0.0342
487	10	Unbiased	32.669	32.628	-0.0406
488	10	Unbiased	32.76	32.797	0.037
489	10	Unbiased	31.903	31.932	0.0291
490	10	Unbiased	32.86	32.868	0.0079
491	10	Unbiased	31.999	32.019	0.0202
492	3	Biased	32.655	32.772	0.1162
493	3	Biased	32.268	32.397	0.1291
494	3	Biased	32.083	32.24	0.1569
495	3	Biased	32.387	32.527	0.1398
496	3	Biased	32.299	32.474	0.175
497	3	Unbiased	32.583	32.639	0.0559
498	3	Unbiased	31.916	31.99	0.0744
499	3	Unbiased	31.856	31.955	0.0991
500	3	Unbiased	31.67	31.749	0.0789
502	3	Unbiased	32.967	32.803	-0.1635

Test Statistics (mohm)

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	32.23	32.39	32.64	0.21902	32.445	32.561	32.787	0.19558	0.1442	0.17127	0.2221	0.044054
3	31.67	32.268	32.967	0.39972	31.749	32.355	32.803	0.36117	-0.1635	0.08618	0.175	0.095525
10	31.319	32.147	32.86	0.4874	31.356	32.163	32.868	0.47948	-0.0406	0.01621	0.0399	0.025793
30	31.642	32.43	33.18	0.437	31.632	32.362	33.182	0.44202	-0.127	-0.06759	0.0027	0.043281
50	31.865	32.392	32.845	0.3111	31.743	32.283	32.774	0.317	-0.2014	-0.10888	-0.0545	0.047951
100	31.725	32.445	33.264	0.46175	30.62	32.005	32.855	0.62237	-1.914	-0.4404	0.0151	0.58841

Device Test: 21.15 R_LOWSIDE_12V_25C(LEVEL|LOWSIDE/SW/12/12///@R_LOWSIDE_12V_25C)





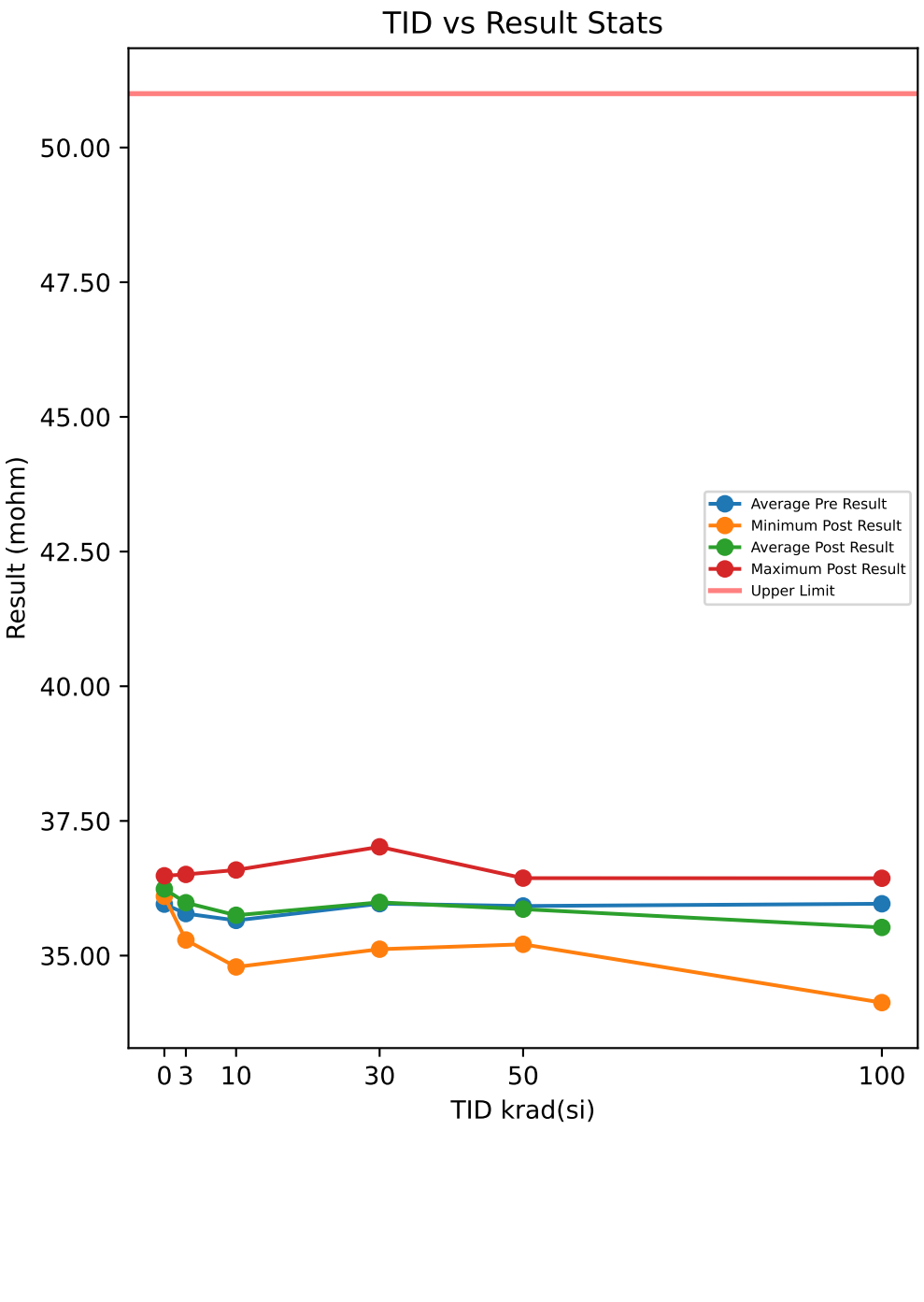
Test Results (Upper Limit = 42.0 (mohm))

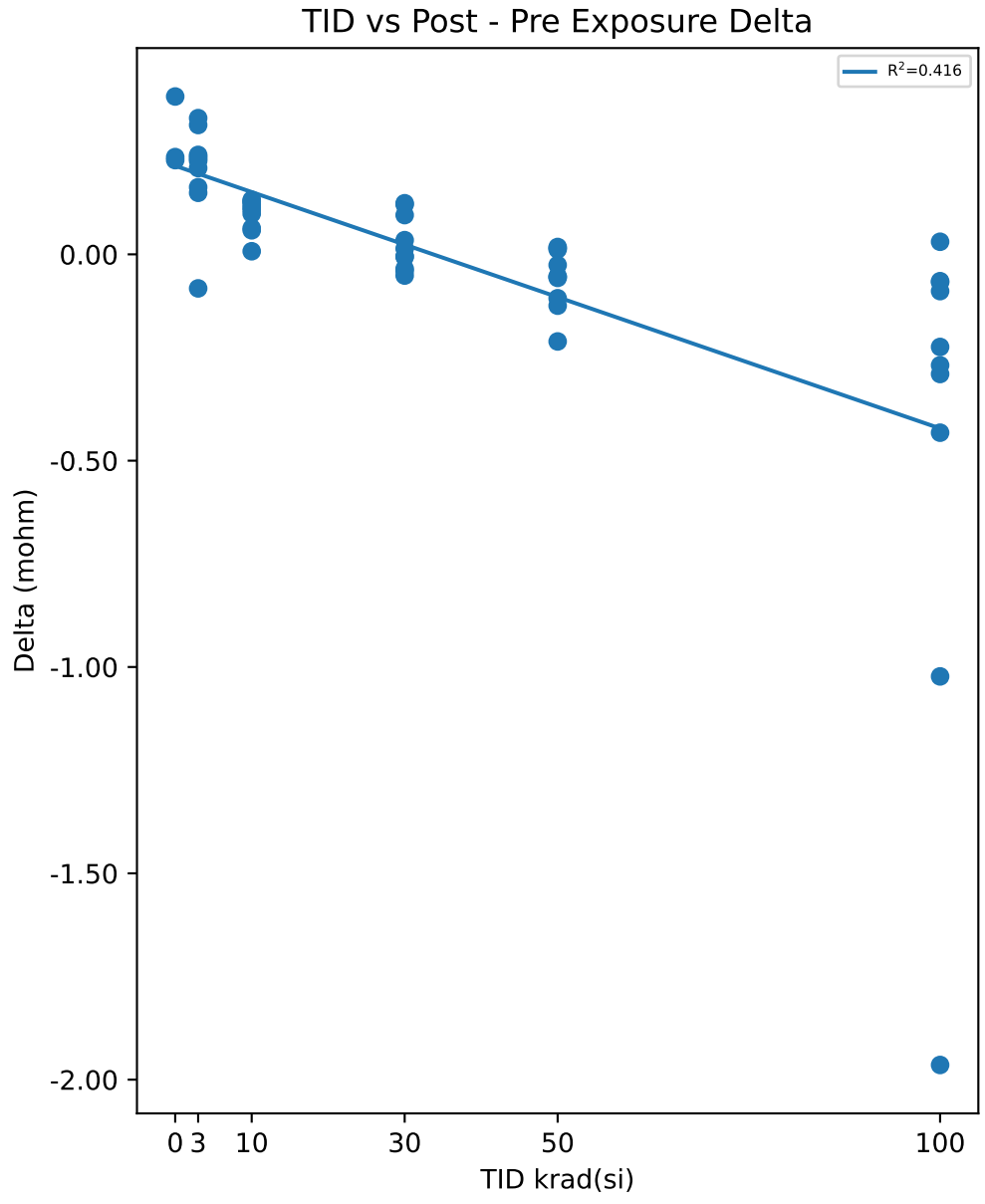
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
390	100	Biased	32.728	32.614	-0.1143
392	100	Biased	32.797	31.807	-0.9909
393	100	Biased	31.721	31.601	-0.1201
394	100	Biased	32.535	30.622	-1.9124
395	100	Biased	32.192	32.1	-0.092
412	100	Unbiased	32.651	32.434	-0.2165
413	100	Unbiased	32.076	31.84	-0.2357
414	100	Unbiased	31.931	31.946	0.0152
415	100	Unbiased	32.562	32.235	-0.3272
416	100	Unbiased	33.262	32.852	-0.4101
417	50	Biased	32.617	32.526	-0.0913
418	50	Biased	32.5	32.413	-0.087
419	50	Biased	32.196	32.018	-0.1777
421	50	Biased	32.655	32.562	-0.0926
422	50	Biased	31.974	31.919	-0.0555
423	50	Unbiased	32.529	32.328	-0.2011
424	50	Unbiased	32.496	32.37	-0.1254
425	50	Unbiased	31.863	31.741	-0.1215
426	50	Unbiased	32.847	32.773	-0.0745
427	50	Unbiased	32.254	32.183	-0.0705
463	0	Corr	32.642	32.789	0.1475
464	0	Corr	32.304	32.448	0.1437
465	0	Corr	32.235	32.456	0.2215
466	30	Biased	32.227	32.191	-0.0358
469	30	Biased	32.304	32.232	-0.072
470	30	Biased	32.44	32.314	-0.1263
472	30	Biased	31.646	31.637	-0.0097
474	30	Biased	33.184	33.186	0.0016
475	30	Unbiased	32.133	32.028	-0.1052
477	30	Unbiased	32.511	32.396	-0.115
478	30	Unbiased	32.213	32.13	-0.0834
479	30	Unbiased	32.747	32.681	-0.0661
480	30	Unbiased	32.913	32.846	-0.0678
481	10	Biased	31.997	31.988	-0.009
482	10	Biased	31.724	31.729	0.0057
483	10	Biased	32.048	32.09	0.0416
484	10	Biased	31.319	31.356	0.0367
485	10	Biased	32.201	32.236	0.0347
487	10	Unbiased	32.668	32.627	-0.0414
488	10	Unbiased	32.759	32.798	0.0387
489	10	Unbiased	31.902	31.931	0.0295
490	10	Unbiased	32.864	32.873	0.0088
491	10	Unbiased	32.003	32.021	0.0182
492	3	Biased	32.654	32.77	0.1156
493	3	Biased	32.269	32.396	0.1274
494	3	Biased	32.081	32.238	0.1573
495	3	Biased	32.385	32.524	0.1394
496	3	Biased	32.299	32.474	0.1749
497	3	Unbiased	32.587	32.642	0.0552
498	3	Unbiased	31.916	31.99	0.0739
499	3	Unbiased	31.86	31.957	0.0972
500	3	Unbiased	31.674	31.754	0.08
502	3	Unbiased	32.969	32.804	-0.1645

Test Statistics (mohm)

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	32.235	32.393	32.642	0.21781	32.448	32.564	32.789	0.19482	0.1437	0.1709	0.2215	0.043862
3	31.674	32.269	32.969	0.39921	31.754	32.355	32.804	0.36007	-0.1645	0.08564	0.1749	0.095704
10	31.319	32.149	32.864	0.4878	31.356	32.165	32.873	0.48039	-0.0414	0.01635	0.0416	0.026273
30	31.646	32.432	33.184	0.4366	31.637	32.364	33.186	0.4416	-0.1263	-0.06797	0.0016	0.042854
50	31.863	32.393	32.847	0.31276	31.741	32.283	32.773	0.3179	-0.2011	-0.10971	-0.0555	0.047403
100	31.721	32.445	33.262	0.46238	30.622	32.005	32.852	0.62172	-1.9124	-0.4404	0.0152	0.58817

Device Test: 21.2 R_LOWSIDE_4V_25C(LEVEL|LOWSIDE/SW/4.5/2///@R_LOWSIDE_4V_25C)





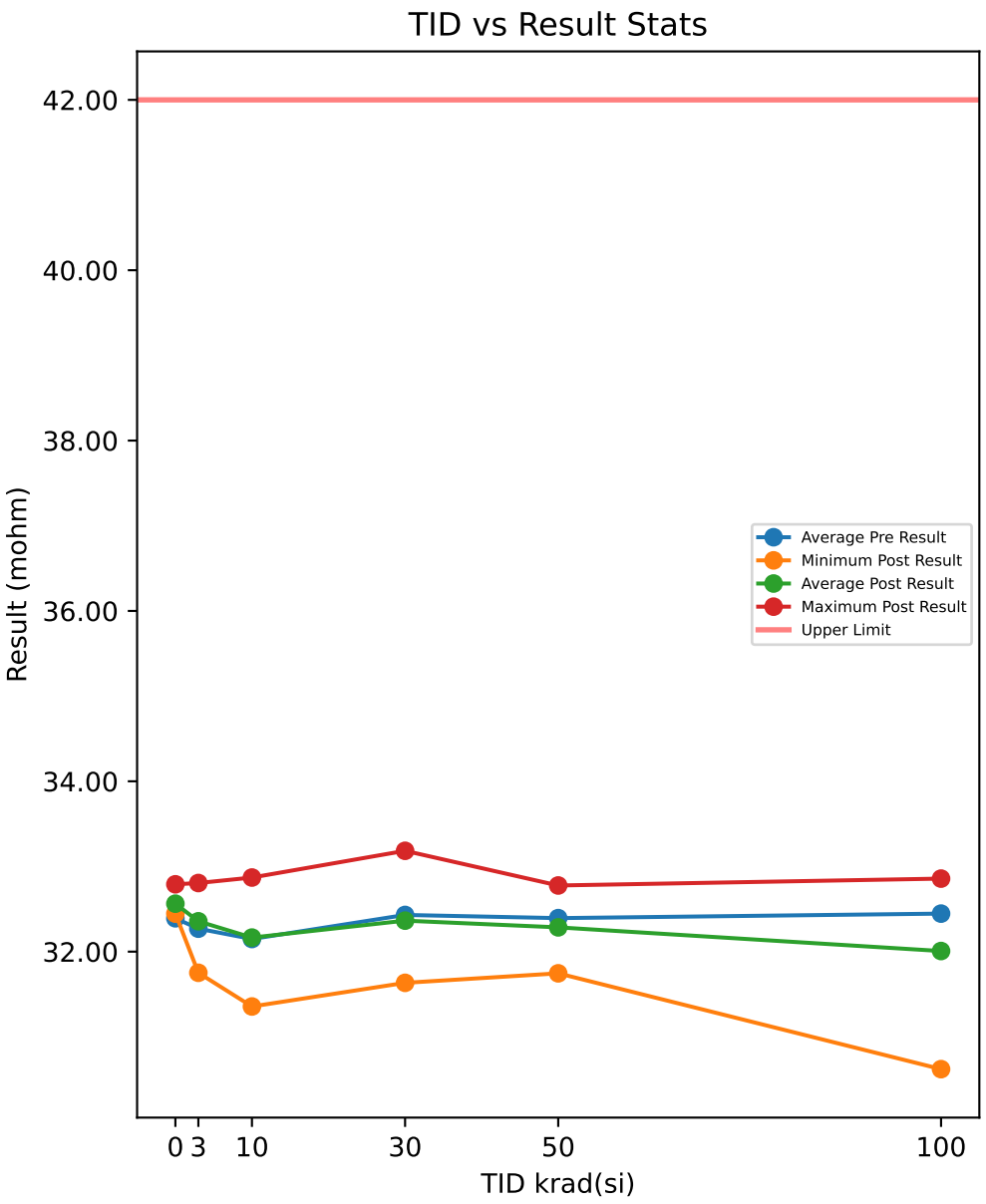
Test Results (Upper Limit = 51.0 (mohm))

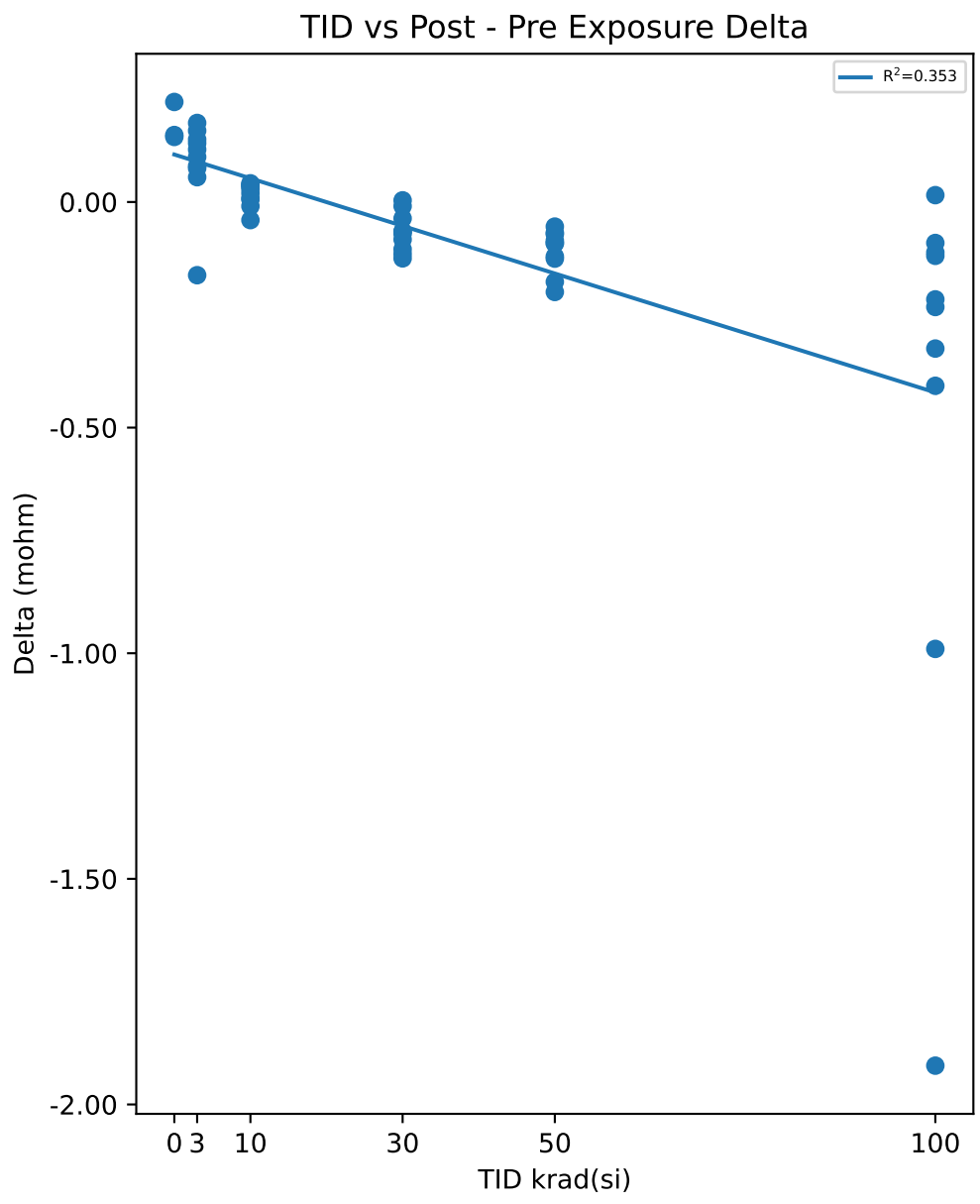
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
390	100	Biased	36.27	36.205	-0.065
392	100	Biased	36.441	35.418	-1.0228
393	100	Biased	35.125	35.036	-0.0891
394	100	Biased	36.092	34.127	-1.9644
395	100	Biased	35.654	35.586	-0.0675
412	100	Unbiased	36.216	35.992	-0.2244
413	100	Unbiased	35.51	35.241	-0.2688
414	100	Unbiased	35.366	35.397	0.0305
415	100	Unbiased	36.08	35.79	-0.29
416	100	Unbiased	36.868	36.436	-0.4322
417	50	Biased	36.227	36.169	-0.0571
418	50	Biased	36.094	36.069	-0.0259
419	50	Biased	35.647	35.522	-0.1244
421	50	Biased	36.218	36.164	-0.0538
422	50	Biased	35.405	35.417	0.012
423	50	Unbiased	36.132	35.921	-0.2111
424	50	Unbiased	36.002	35.949	-0.0539
425	50	Unbiased	35.316	35.21	-0.1064
426	50	Unbiased	36.423	36.438	0.0153
427	50	Unbiased	35.747	35.764	0.0178
463	0	Corr	36.246	36.482	0.2357
464	0	Corr	35.872	36.1	0.2283
465	0	Corr	35.748	36.13	0.3825
466	30	Biased	35.745	35.84	0.0951
469	30	Biased	35.747	35.742	-0.0046
470	30	Biased	35.958	35.923	-0.0348
472	30	Biased	34.995	35.119	0.1238
474	30	Biased	36.898	37.019	0.1208
475	30	Unbiased	35.676	35.636	-0.04
477	30	Unbiased	36.096	36.044	-0.0514
478	30	Unbiased	35.694	35.688	-0.0062
479	30	Unbiased	36.357	36.391	0.0344
480	30	Unbiased	36.472	36.486	0.0139
481	10	Biased	35.481	35.544	0.0634
482	10	Biased	35.138	35.236	0.0984
483	10	Biased	35.526	35.639	0.1132
484	10	Biased	34.66	34.79	0.1292
485	10	Biased	35.745	35.866	0.1201
487	10	Unbiased	36.223	36.23	0.0075
488	10	Unbiased	36.426	36.553	0.1267
489	10	Unbiased	35.291	35.423	0.1321
490	10	Unbiased	36.531	36.589	0.0583
491	10	Unbiased	35.512	35.62	0.1077
492	3	Biased	36.215	36.452	0.2367
493	3	Biased	35.74	35.971	0.2314
494	3	Biased	35.513	35.843	0.3301
495	3	Biased	35.888	36.115	0.2267
496	3	Biased	35.807	36.12	0.3134
497	3	Unbiased	36.203	36.366	0.1627
498	3	Unbiased	35.357	35.566	0.2091
499	3	Unbiased	35.345	35.586	0.241
500	3	Unbiased	35.14	35.289	0.1491
502	3	Unbiased	36.589	36.507	-0.0825

Test Statistics (mohm)

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	35.748	35.955	36.246	0.25943	36.1	36.237	36.482	0.21212	0.2283	0.28217	0.3825	0.08697
3	35.14	35.78	36.589	0.45788	35.289	35.982	36.507	0.40959	-0.0825	0.20177	0.3301	0.11467
10	34.66	35.653	36.531	0.59159	34.79	35.749	36.589	0.57332	0.0075	0.09566	0.1321	0.04039
30	34.995	35.964	36.898	0.52619	35.119	35.989	37.019	0.53043	-0.0514	0.0251	0.1238	0.066292
50	35.316	35.921	36.423	0.37295	35.21	35.862	36.438	0.38285	-0.2111	-0.05875	0.0178	0.072472
100	35.125	35.962	36.868	0.53695	34.127	35.523	36.436	0.65693	-1.9644	-0.43937	0.0305	0.61334

Device Test: 21.20 R_LOWSIDE_14V_25C(LEVEL|LOWSIDE/SW/14/2///@R_LOWSIDE_14V_25C)





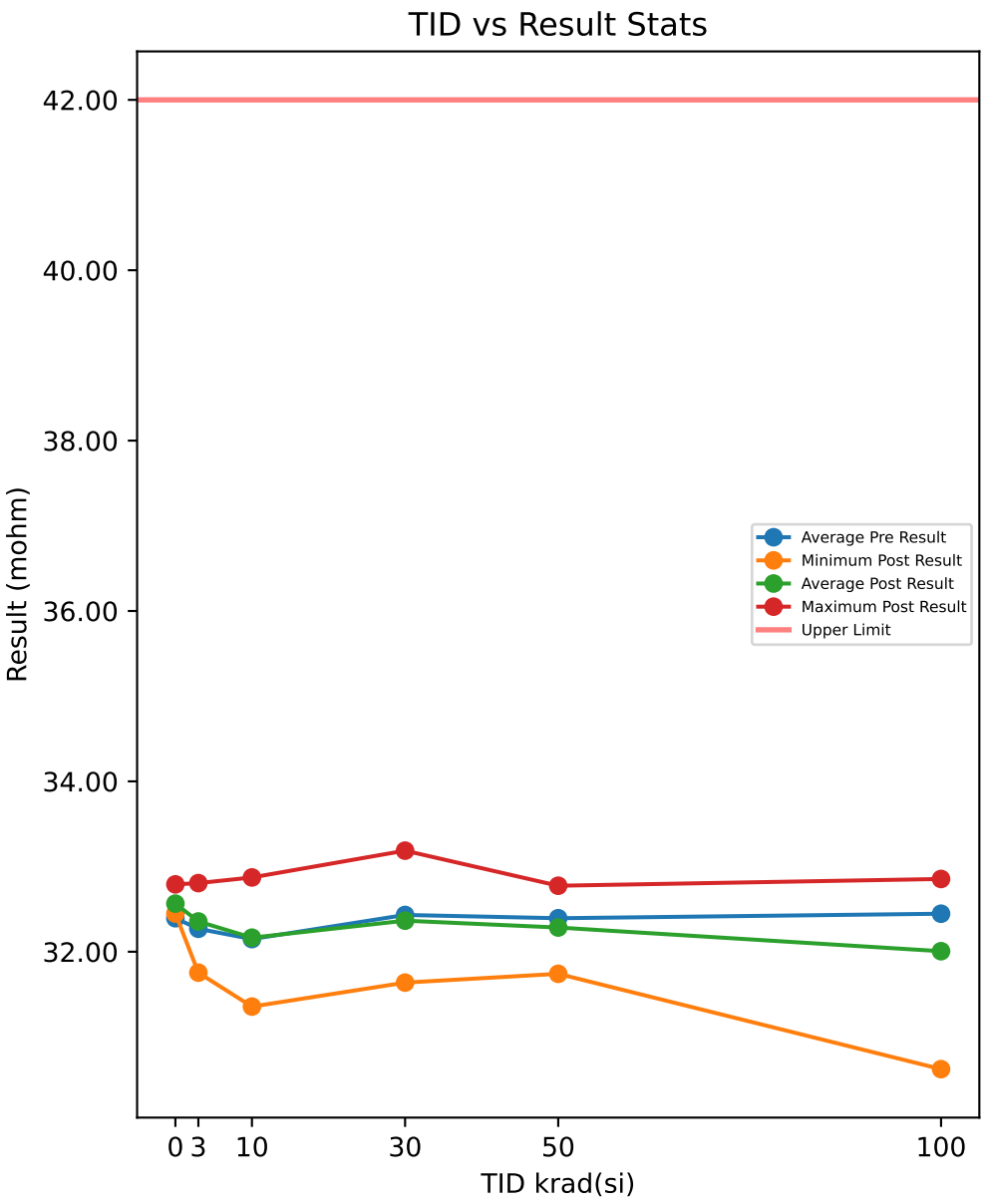
Test Results (Upper Limit = 42.0 (mohm))

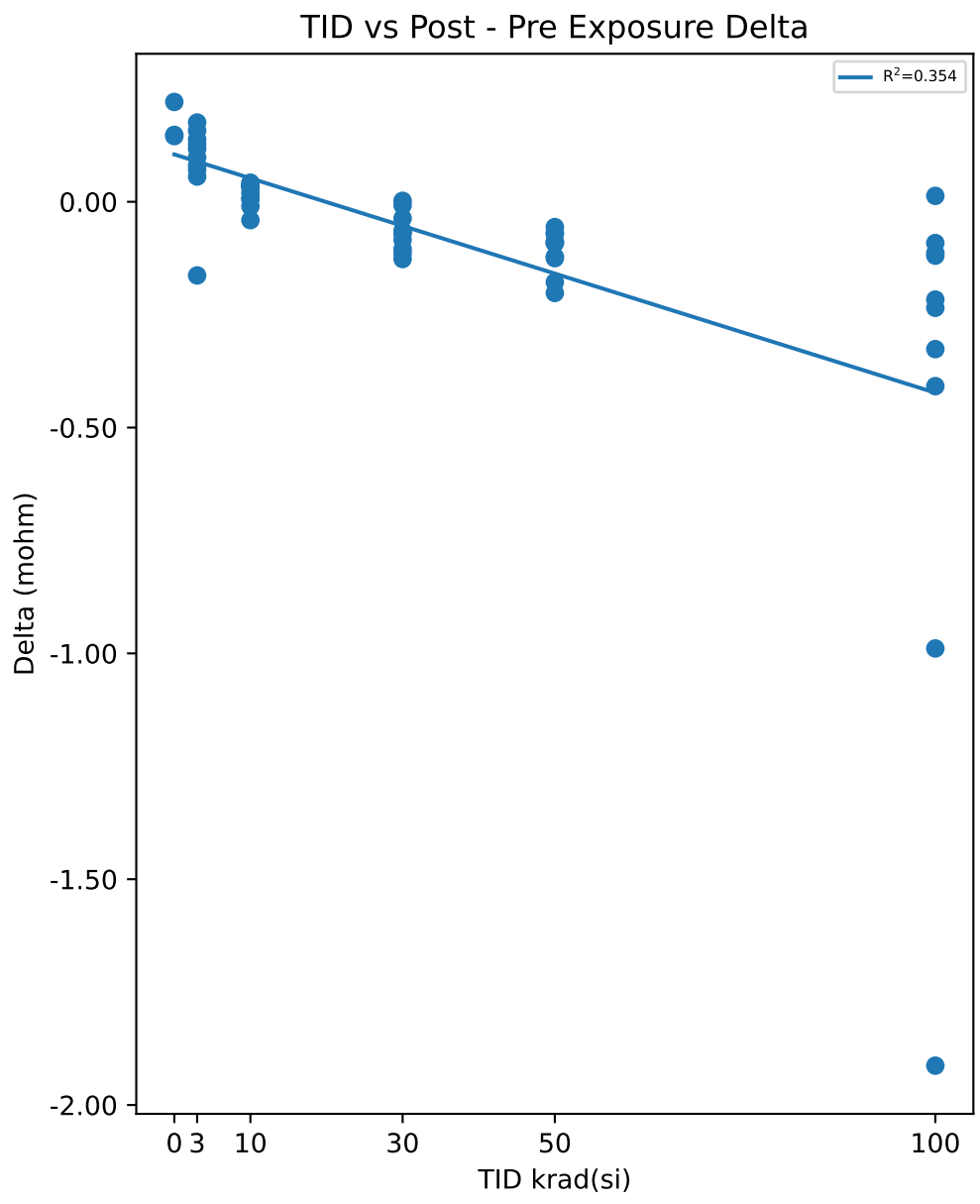
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
390	100	Biased	32.727	32.615	-0.1117
392	100	Biased	32.796	31.805	-0.9904
393	100	Biased	31.726	31.607	-0.1193
394	100	Biased	32.535	30.621	-1.914
395	100	Biased	32.192	32.101	-0.0908
412	100	Unbiased	32.654	32.438	-0.2158
413	100	Unbiased	32.076	31.843	-0.2327
414	100	Unbiased	31.934	31.949	0.0152
415	100	Unbiased	32.561	32.236	-0.3248
416	100	Unbiased	33.265	32.857	-0.4073
417	50	Biased	32.618	32.527	-0.0909
418	50	Biased	32.498	32.412	-0.0857
419	50	Biased	32.199	32.022	-0.1769
421	50	Biased	32.656	32.564	-0.0919
422	50	Biased	31.975	31.921	-0.0545
423	50	Unbiased	32.527	32.328	-0.1994
424	50	Unbiased	32.494	32.369	-0.1255
425	50	Unbiased	31.866	31.745	-0.1206
426	50	Unbiased	32.848	32.777	-0.0711
427	50	Unbiased	32.255	32.187	-0.0681
463	0	Corr	32.642	32.791	0.1485
464	0	Corr	32.302	32.447	0.1442
465	0	Corr	32.231	32.453	0.2217
466	30	Biased	32.227	32.191	-0.0363
469	30	Biased	32.304	32.234	-0.0703
470	30	Biased	32.439	32.314	-0.1249
472	30	Biased	31.643	31.634	-0.0092
474	30	Biased	33.18	33.184	0.0037
475	30	Unbiased	32.133	32.028	-0.1045
477	30	Unbiased	32.508	32.393	-0.1151
478	30	Unbiased	32.213	32.13	-0.0831
479	30	Unbiased	32.746	32.681	-0.065
480	30	Unbiased	32.915	32.85	-0.0652
481	10	Biased	31.994	31.985	-0.0092
482	10	Biased	31.728	31.734	0.006
483	10	Biased	32.047	32.089	0.0414
484	10	Biased	31.319	31.356	0.0374
485	10	Biased	32.2	32.233	0.0337
487	10	Unbiased	32.67	32.63	-0.0401
488	10	Unbiased	32.761	32.799	0.0384
489	10	Unbiased	31.905	31.934	0.0295
490	10	Unbiased	32.862	32.87	0.0085
491	10	Unbiased	32.001	32.02	0.0196
492	3	Biased	32.658	32.774	0.1164
493	3	Biased	32.269	32.399	0.1305
494	3	Biased	32.083	32.242	0.1581
495	3	Biased	32.389	32.528	0.1388
496	3	Biased	32.3	32.475	0.1752
497	3	Unbiased	32.585	32.64	0.055
498	3	Unbiased	31.917	31.992	0.0748
499	3	Unbiased	31.856	31.956	0.0998
500	3	Unbiased	31.672	31.752	0.08
502	3	Unbiased	32.968	32.806	-0.1622

Test Statistics (mohm)

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	32.231	32.392	32.642	0.21975	32.447	32.563	32.791	0.19696	0.1442	0.17147	0.2217	0.043556
3	31.672	32.27	32.968	0.40006	31.752	32.356	32.806	0.36122	-0.1622	0.08664	0.1752	0.095312
10	31.319	32.149	32.862	0.48752	31.356	32.165	32.87	0.47994	-0.0401	0.01652	0.0414	0.025925
30	31.643	32.431	33.18	0.43669	31.634	32.364	33.184	0.44224	-0.1249	-0.06699	0.0037	0.042988
50	31.866	32.394	32.848	0.31179	31.745	32.285	32.777	0.31729	-0.1994	-0.10846	-0.0545	0.047643
100	31.726	32.446	33.265	0.46161	30.621	32.007	32.857	0.62302	-1.914	-0.43916	0.0152	0.58906

Device Test: 21.21 R_LOWSIDE_14V_25C(LEVEL|LOWSIDE/SW/14/12///@R_LOWSIDE_14V_25C)





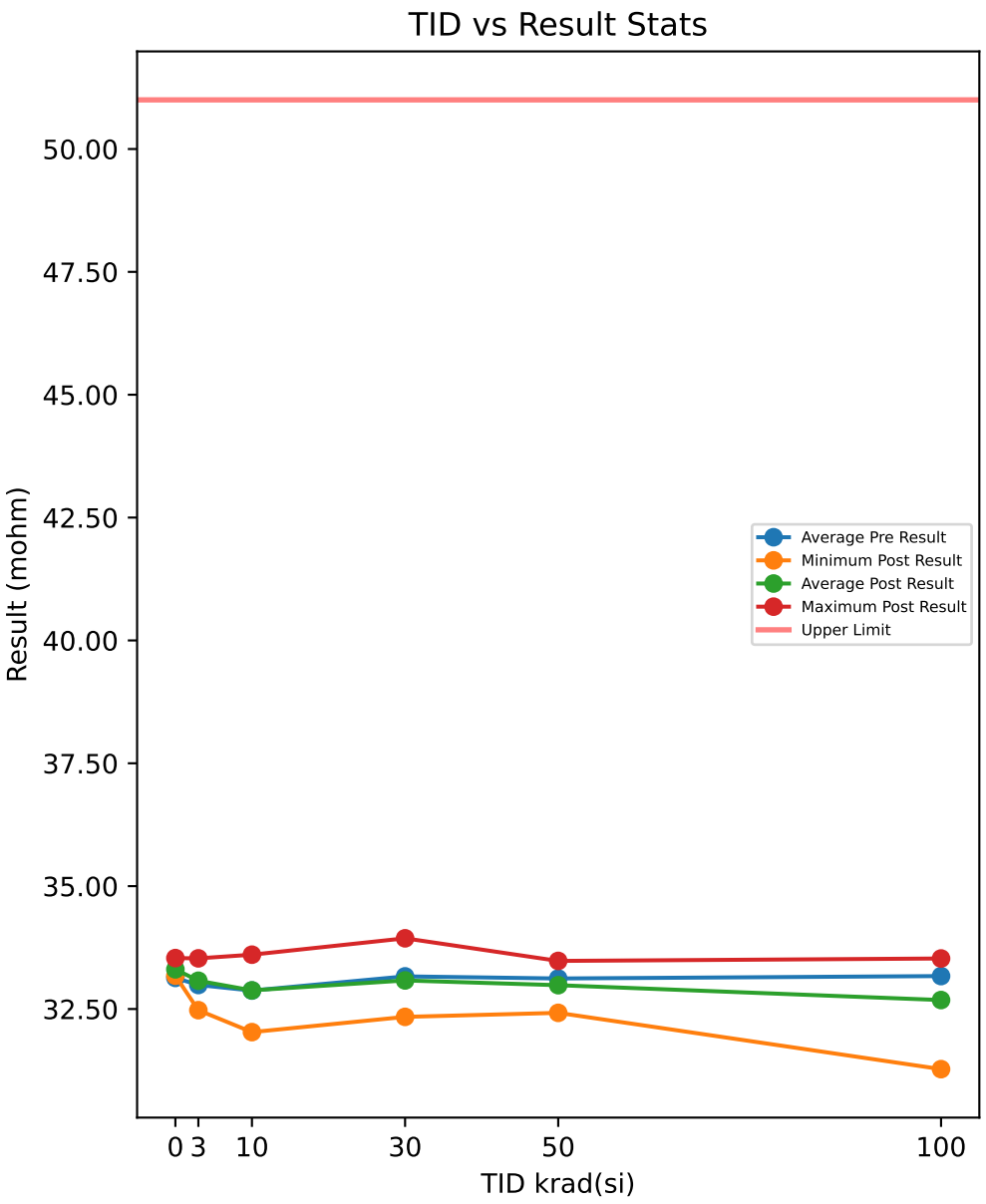
Test Results (Upper Limit = 42.0 (mohm))

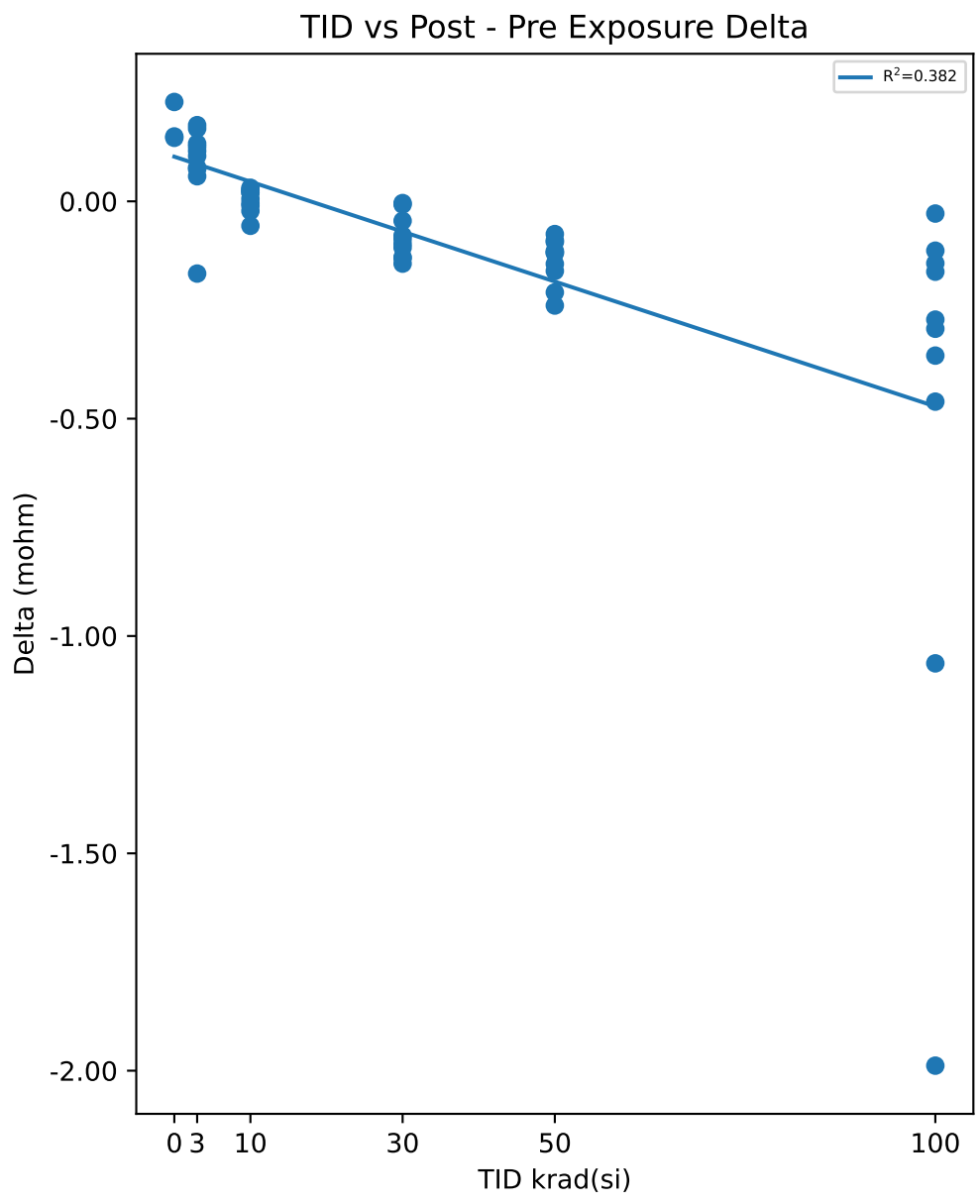
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
390	100	Biased	32.729	32.615	-0.1133
392	100	Biased	32.797	31.808	-0.9891
393	100	Biased	31.721	31.602	-0.1193
394	100	Biased	32.535	30.622	-1.9129
395	100	Biased	32.192	32.101	-0.0914
412	100	Unbiased	32.652	32.436	-0.2166
413	100	Unbiased	32.077	31.843	-0.2348
414	100	Unbiased	31.933	31.946	0.0131
415	100	Unbiased	32.563	32.236	-0.3263
416	100	Unbiased	33.263	32.854	-0.4083
417	50	Biased	32.617	32.527	-0.0906
418	50	Biased	32.502	32.414	-0.0879
419	50	Biased	32.197	32.019	-0.178
421	50	Biased	32.655	32.564	-0.0916
422	50	Biased	31.974	31.918	-0.056
423	50	Unbiased	32.53	32.329	-0.2019
424	50	Unbiased	32.497	32.372	-0.1248
425	50	Unbiased	31.863	31.741	-0.1218
426	50	Unbiased	32.846	32.775	-0.0711
427	50	Unbiased	32.254	32.185	-0.0682
463	0	Corr	32.642	32.791	0.1482
464	0	Corr	32.303	32.448	0.1454
465	0	Corr	32.235	32.456	0.221
466	30	Biased	32.229	32.193	-0.0365
469	30	Biased	32.304	32.233	-0.0708
470	30	Biased	32.44	32.313	-0.1268
472	30	Biased	31.645	31.637	-0.0078
474	30	Biased	33.184	33.187	0.0021
475	30	Unbiased	32.133	32.029	-0.1046
477	30	Unbiased	32.511	32.397	-0.1141
478	30	Unbiased	32.213	32.129	-0.0843
479	30	Unbiased	32.746	32.681	-0.0653
480	30	Unbiased	32.913	32.848	-0.0646
481	10	Biased	31.996	31.986	-0.0101
482	10	Biased	31.724	31.73	0.0065
483	10	Biased	32.048	32.09	0.0422
484	10	Biased	31.319	31.356	0.0374
485	10	Biased	32.201	32.235	0.0336
487	10	Unbiased	32.668	32.628	-0.0407
488	10	Unbiased	32.761	32.797	0.0369
489	10	Unbiased	31.901	31.933	0.0313
490	10	Unbiased	32.865	32.872	0.0067
491	10	Unbiased	32.002	32.022	0.0196
492	3	Biased	32.653	32.77	0.1173
493	3	Biased	32.27	32.397	0.1275
494	3	Biased	32.082	32.239	0.1576
495	3	Biased	32.385	32.523	0.1385
496	3	Biased	32.299	32.475	0.1755
497	3	Unbiased	32.587	32.643	0.0558
498	3	Unbiased	31.916	31.988	0.0717
499	3	Unbiased	31.86	31.958	0.0982
500	3	Unbiased	31.674	31.754	0.0805
502	3	Unbiased	32.969	32.806	-0.1631

Test Statistics (mohm)

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	32.235	32.394	32.642	0.21825	32.448	32.565	32.791	0.19541	0.1454	0.17153	0.221	0.042862
3	31.674	32.269	32.969	0.39912	31.754	32.355	32.806	0.36042	-0.1631	0.08595	0.1755	0.095418
10	31.319	32.149	32.865	0.48832	31.356	32.165	32.872	0.48005	-0.0407	0.01634	0.0422	0.026267
30	31.645	32.432	33.184	0.43664	31.637	32.365	33.187	0.44186	-0.1268	-0.06727	0.0021	0.043127
50	31.863	32.393	32.846	0.31279	31.741	32.284	32.775	0.31863	-0.2019	-0.10919	-0.056	0.048075
100	31.721	32.446	33.263	0.4622	30.622	32.006	32.854	0.62237	-1.9129	-0.43989	0.0131	0.58815

Device Test: 21.3 R_LOWSIDE_4V_25C(LEVEL|LOWSIDE/SW/4.5/12///@R_LOWSIDE_4V_25C)





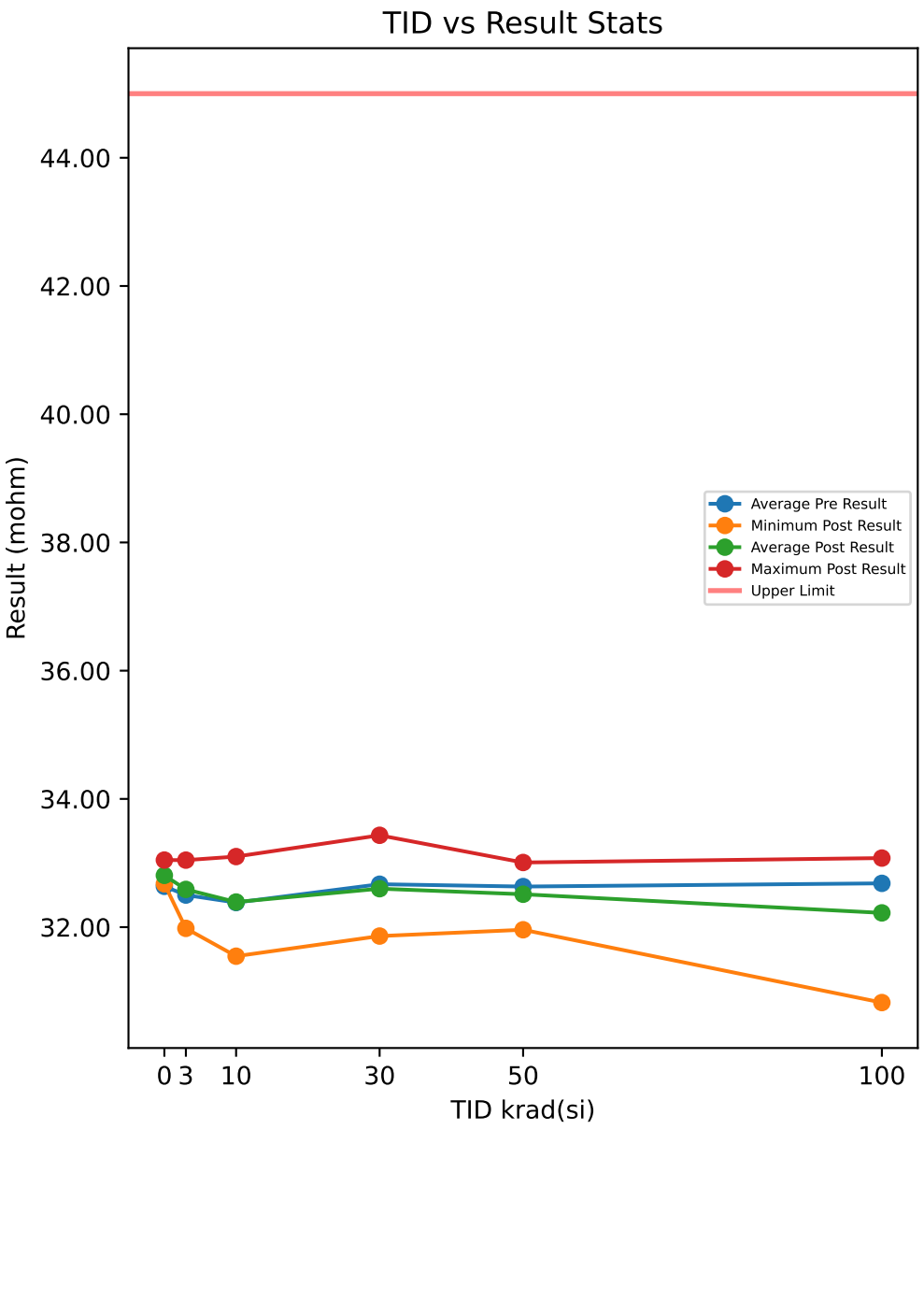
Test Results (Upper Limit = 51.0 (mohm))

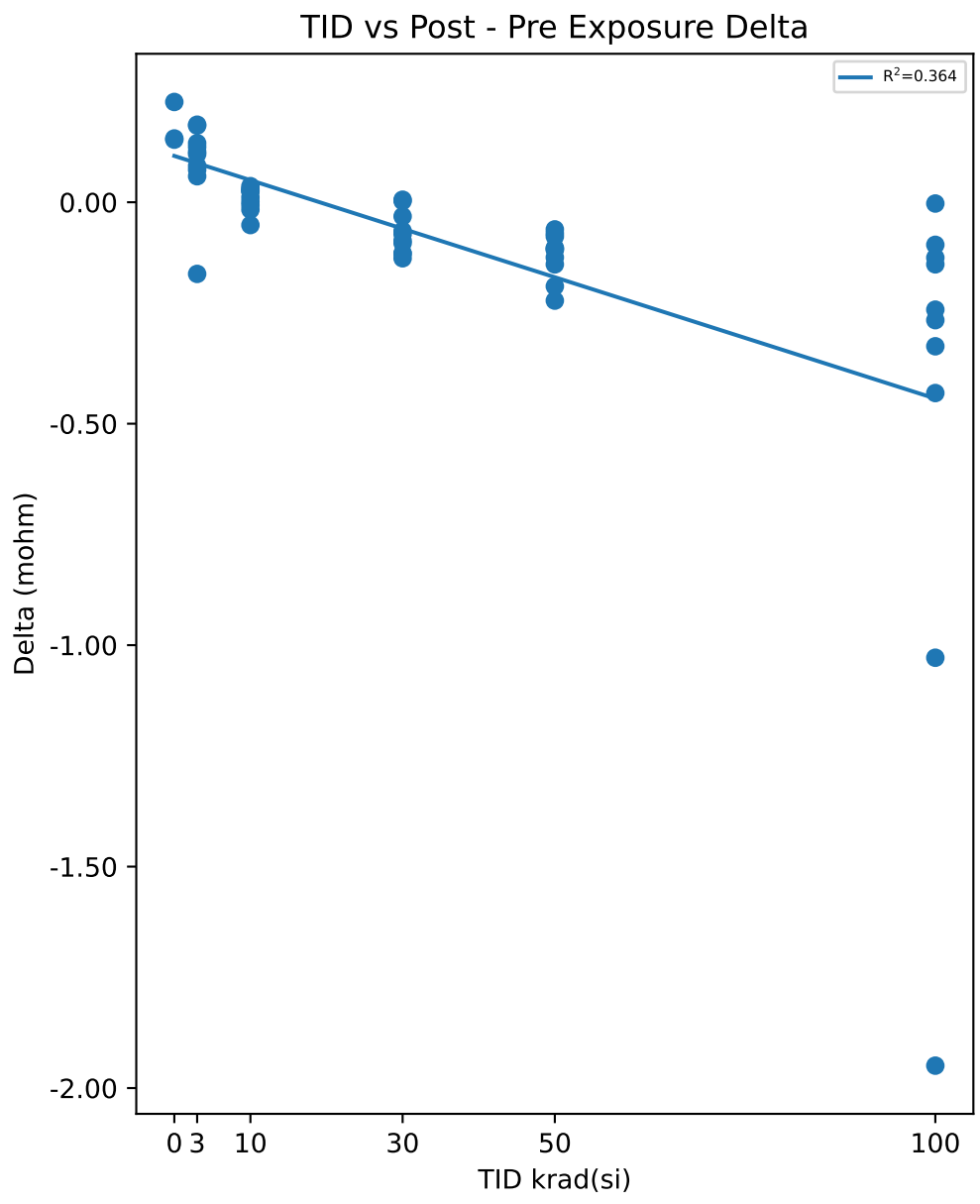
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
390	100	Biased	33.448	33.305	-0.1425
392	100	Biased	33.544	32.481	-1.0629
393	100	Biased	32.421	32.259	-0.1619
394	100	Biased	33.265	31.276	-1.9884
395	100	Biased	32.912	32.799	-0.1135
412	100	Unbiased	33.394	33.122	-0.2721
413	100	Unbiased	32.783	32.49	-0.2931
414	100	Unbiased	32.641	32.613	-0.0281
415	100	Unbiased	33.304	32.949	-0.3549
416	100	Unbiased	33.988	33.528	-0.4608
417	50	Biased	33.352	33.238	-0.1142
418	50	Biased	33.246	33.128	-0.1177
419	50	Biased	32.915	32.706	-0.2095
421	50	Biased	33.384	33.265	-0.119
422	50	Biased	32.682	32.607	-0.0753
423	50	Unbiased	33.293	33.054	-0.2397
424	50	Unbiased	33.215	33.071	-0.1439
425	50	Unbiased	32.582	32.422	-0.1602
426	50	Unbiased	33.572	33.478	-0.0936
427	50	Unbiased	32.969	32.879	-0.0901
463	0	Corr	33.387	33.536	0.1493
464	0	Corr	33.031	33.177	0.1461
465	0	Corr	32.981	33.209	0.2286
466	30	Biased	32.965	32.921	-0.0449
469	30	Biased	33.034	32.937	-0.0978
470	30	Biased	33.163	33.02	-0.1433
472	30	Biased	32.347	32.34	-0.0073
474	30	Biased	33.943	33.939	-0.004
475	30	Unbiased	32.905	32.774	-0.1307
477	30	Unbiased	33.255	33.127	-0.1285
478	30	Unbiased	32.928	32.822	-0.1064
479	30	Unbiased	33.476	33.397	-0.0786
480	30	Unbiased	33.623	33.536	-0.0865
481	10	Biased	32.719	32.697	-0.0221
482	10	Biased	32.444	32.439	-0.0046
483	10	Biased	32.774	32.799	0.0252
484	10	Biased	32.002	32.029	0.0272
485	10	Biased	32.944	32.964	0.0206
487	10	Unbiased	33.383	33.327	-0.0563
488	10	Unbiased	33.523	33.554	0.0312
489	10	Unbiased	32.591	32.611	0.0199
490	10	Unbiased	33.615	33.605	-0.0098
491	10	Unbiased	32.758	32.764	0.0059
492	3	Biased	33.362	33.478	0.116
493	3	Biased	32.967	33.092	0.1257
494	3	Biased	32.798	32.966	0.1674
495	3	Biased	33.068	33.201	0.1329
496	3	Biased	33.029	33.204	0.1753
497	3	Unbiased	33.318	33.376	0.0577
498	3	Unbiased	32.634	32.712	0.0779
499	3	Unbiased	32.609	32.714	0.1044
500	3	Unbiased	32.402	32.476	0.0743
502	3	Unbiased	33.697	33.531	-0.1662

Test Statistics (mohm)

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	32.981	33.133	33.387	0.2214	33.177	33.308	33.536	0.19861	0.1461	0.17467	0.2286	0.046735
3	32.402	32.988	33.697	0.39554	32.476	33.075	33.531	0.35375	-0.1662	0.08654	0.1753	0.096736
10	32.002	32.875	33.615	0.50622	32.029	32.879	33.605	0.49781	-0.0563	0.00372	0.0312	0.027569
30	32.347	33.164	33.943	0.4433	32.34	33.081	33.939	0.44794	-0.1433	-0.0828	-0.004	0.049668
50	32.582	33.121	33.572	0.32122	32.422	32.985	33.478	0.32793	-0.2397	-0.13632	-0.0753	0.05322
100	32.421	33.17	33.988	0.4738	31.276	32.682	33.528	0.63421	-1.9884	-0.48782	-0.0281	0.60206

Device Test: 21.8 R_LOWSIDE_5V_25C(LEVEL|LOWSIDE/SW/5/2///@R_LOWSIDE_5V_25C)





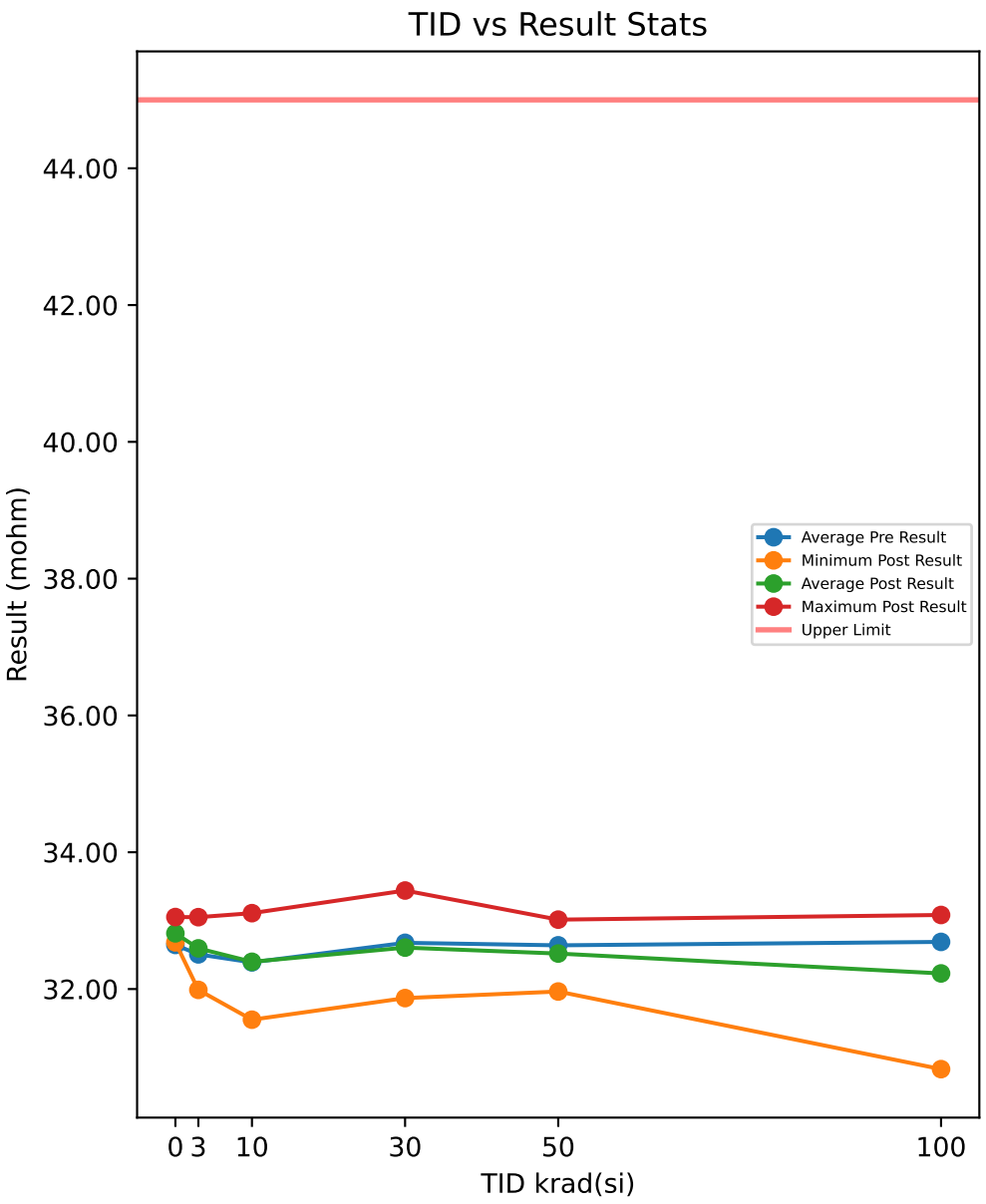
Test Results (Upper Limit = 45.0 (mohm))

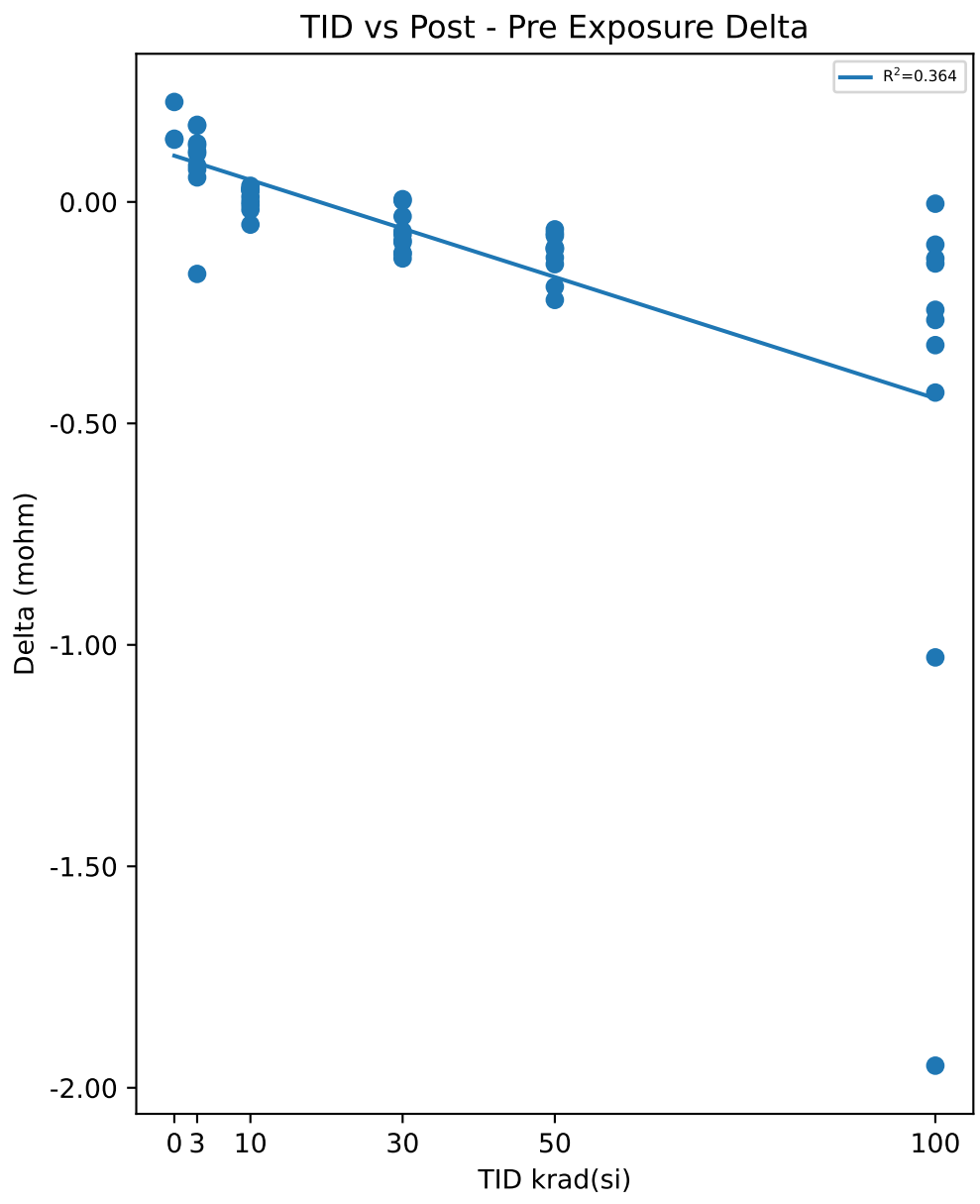
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
390	100	Biased	32.961	32.836	-0.1252
392	100	Biased	33.043	32.014	-1.0284
393	100	Biased	31.942	31.802	-0.1402
394	100	Biased	32.773	30.823	-1.9494
395	100	Biased	32.43	32.334	-0.0961
412	100	Unbiased	32.902	32.659	-0.2425
413	100	Unbiased	32.302	32.036	-0.2662
414	100	Unbiased	32.155	32.153	-0.0029
415	100	Unbiased	32.813	32.488	-0.3252
416	100	Unbiased	33.508	33.077	-0.4308
417	50	Biased	32.855	32.752	-0.1032
418	50	Biased	32.751	32.647	-0.1047
419	50	Biased	32.433	32.243	-0.1898
421	50	Biased	32.9	32.792	-0.1076
422	50	Biased	32.191	32.13	-0.0613
423	50	Unbiased	32.795	32.573	-0.2221
424	50	Unbiased	32.735	32.61	-0.1247
425	50	Unbiased	32.099	31.959	-0.1403
426	50	Unbiased	33.085	33.008	-0.0773
427	50	Unbiased	32.486	32.415	-0.0703
463	0	Corr	32.902	33.046	0.144
464	0	Corr	32.535	32.676	0.1413
465	0	Corr	32.473	32.699	0.2264
466	30	Biased	32.468	32.436	-0.0318
469	30	Biased	32.555	32.468	-0.0867
470	30	Biased	32.669	32.542	-0.1265
472	30	Biased	31.858	31.861	0.0028
474	30	Biased	33.427	33.433	0.0057
475	30	Unbiased	32.4	32.285	-0.1154
477	30	Unbiased	32.758	32.643	-0.1157
478	30	Unbiased	32.443	32.351	-0.0923
479	30	Unbiased	32.975	32.911	-0.0648
480	30	Unbiased	33.14	33.068	-0.0719
481	10	Biased	32.218	32.201	-0.0167
482	10	Biased	31.969	31.97	0.0013
483	10	Biased	32.284	32.312	0.0279
484	10	Biased	31.516	31.547	0.0308
485	10	Biased	32.446	32.471	0.025
487	10	Unbiased	32.897	32.845	-0.0515
488	10	Unbiased	33.023	33.06	0.0363
489	10	Unbiased	32.117	32.142	0.025
490	10	Unbiased	33.107	33.101	-0.0065
491	10	Unbiased	32.255	32.266	0.0113
492	3	Biased	32.883	32.997	0.1139
493	3	Biased	32.489	32.614	0.1249
494	3	Biased	32.313	32.486	0.1731
495	3	Biased	32.598	32.732	0.1334
496	3	Biased	32.538	32.714	0.1751
497	3	Unbiased	32.821	32.88	0.0587
498	3	Unbiased	32.149	32.231	0.0822
499	3	Unbiased	32.097	32.206	0.1086
500	3	Unbiased	31.907	31.981	0.0735
502	3	Unbiased	33.207	33.045	-0.1618

Test Statistics (mohm)

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	32.473	32.637	32.902	0.23209	32.676	32.807	33.046	0.20729	0.1413	0.17057	0.2264	0.048372
3	31.907	32.5	33.207	0.39903	31.981	32.588	33.045	0.35768	-0.1618	0.08816	0.1751	0.095945
10	31.516	32.383	33.107	0.49998	31.547	32.392	33.101	0.49138	-0.0515	0.00829	0.0363	0.027305
30	31.858	32.669	33.427	0.43875	31.861	32.6	33.433	0.44297	-0.1265	-0.06966	0.0057	0.047885
50	32.099	32.633	33.085	0.31933	31.959	32.513	33.008	0.32442	-0.2221	-0.12013	-0.0613	0.05179
100	31.942	32.683	33.508	0.47095	30.823	32.222	33.077	0.63222	-1.9494	-0.46069	-0.0029	0.59638

Device Test: 21.9 R_LOWSIDE_5V_25C(LEVEL|LOWSIDE/SW/5/12///@R_LOWSIDE_5V_25C)





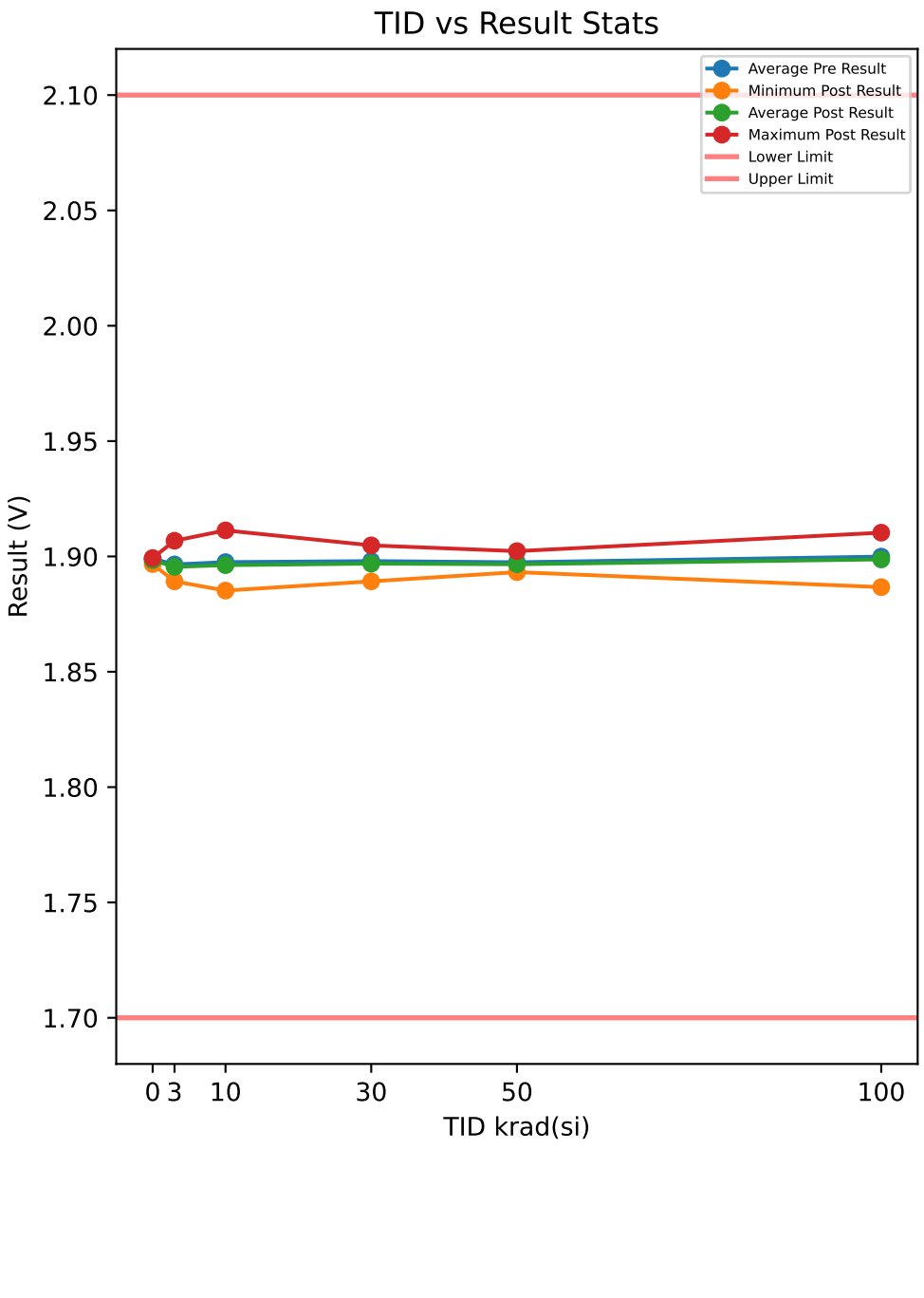
Test Results (Upper Limit = 45.0 (mohm))

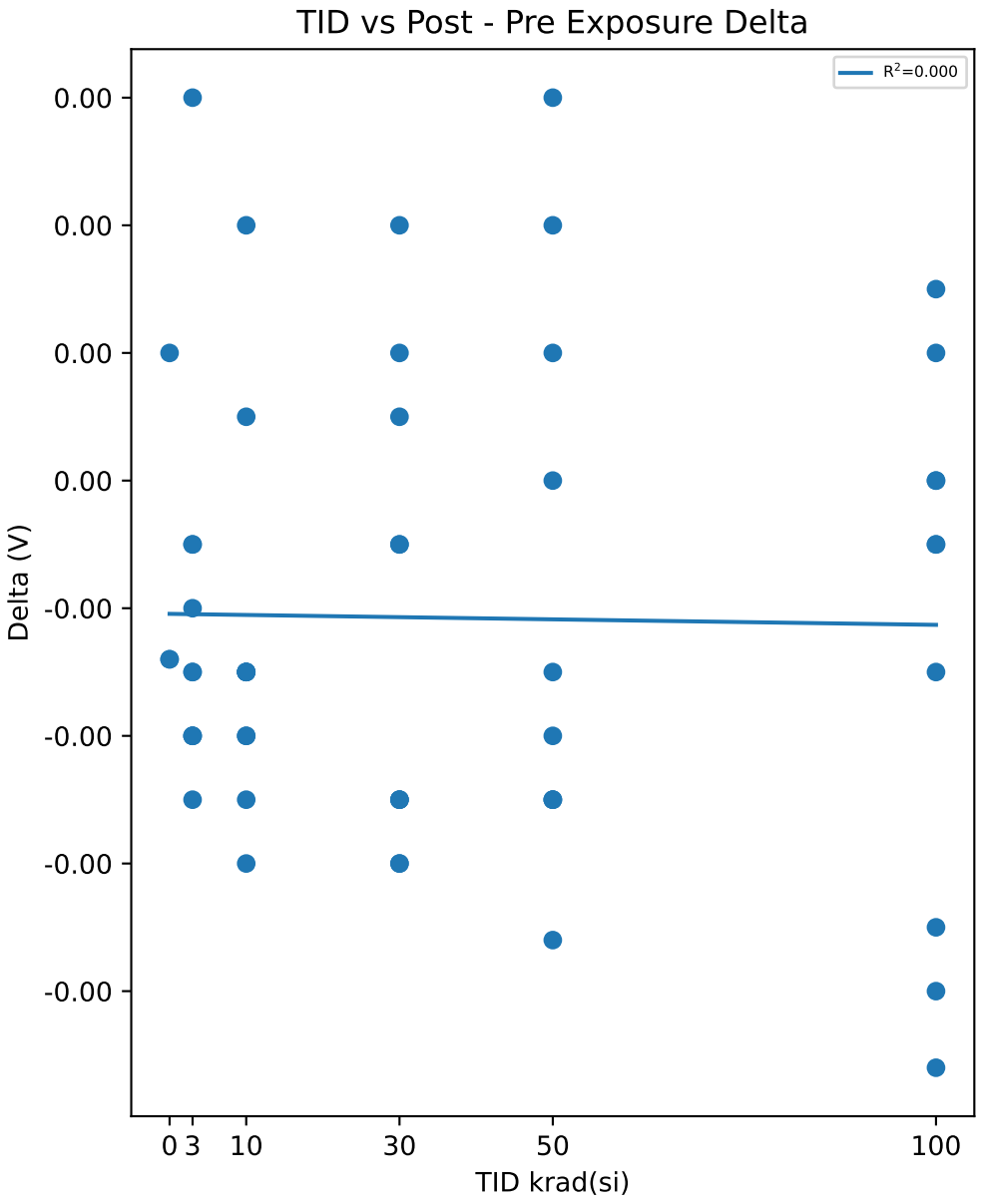
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
390	100	Biased	32.968	32.84	-0.1277
392	100	Biased	33.051	32.023	-1.0283
393	100	Biased	31.947	31.808	-0.139
394	100	Biased	32.779	30.829	-1.95
395	100	Biased	32.436	32.34	-0.0964
412	100	Unbiased	32.908	32.664	-0.2435
413	100	Unbiased	32.307	32.04	-0.2665
414	100	Unbiased	32.162	32.158	-0.004
415	100	Unbiased	32.819	32.496	-0.3233
416	100	Unbiased	33.513	33.083	-0.4304
417	50	Biased	32.861	32.758	-0.1033
418	50	Biased	32.759	32.654	-0.1046
419	50	Biased	32.438	32.247	-0.1915
421	50	Biased	32.905	32.798	-0.1072
422	50	Biased	32.197	32.135	-0.0619
423	50	Unbiased	32.802	32.581	-0.2212
424	50	Unbiased	32.742	32.616	-0.1258
425	50	Unbiased	32.104	31.964	-0.1405
426	50	Unbiased	33.091	33.015	-0.0765
427	50	Unbiased	32.491	32.42	-0.0708
463	0	Corr	32.91	33.053	0.1427
464	0	Corr	32.542	32.683	0.1405
465	0	Corr	32.482	32.708	0.2257
466	30	Biased	32.475	32.443	-0.0326
469	30	Biased	32.561	32.474	-0.0871
470	30	Biased	32.676	32.548	-0.1276
472	30	Biased	31.865	31.868	0.0026
474	30	Biased	33.434	33.44	0.0062
475	30	Unbiased	32.406	32.291	-0.1152
477	30	Unbiased	32.766	32.649	-0.1165
478	30	Unbiased	32.447	32.356	-0.0913
479	30	Unbiased	32.981	32.915	-0.066
480	30	Unbiased	33.146	33.072	-0.0735
481	10	Biased	32.226	32.208	-0.0175
482	10	Biased	31.975	31.976	0.0008
483	10	Biased	32.292	32.321	0.0281
484	10	Biased	31.521	31.552	0.0305
485	10	Biased	32.453	32.48	0.0279
487	10	Unbiased	32.903	32.852	-0.0512
488	10	Unbiased	33.028	33.065	0.0364
489	10	Unbiased	32.123	32.148	0.025
490	10	Unbiased	33.116	33.109	-0.0071
491	10	Unbiased	32.261	32.273	0.0117
492	3	Biased	32.889	33.003	0.1143
493	3	Biased	32.493	32.62	0.1278
494	3	Biased	32.319	32.491	0.1721
495	3	Biased	32.605	32.737	0.1321
496	3	Biased	32.545	32.719	0.1741
497	3	Unbiased	32.829	32.884	0.0554
498	3	Unbiased	32.154	32.236	0.0821
499	3	Unbiased	32.105	32.215	0.1097
500	3	Unbiased	31.914	31.988	0.0736
502	3	Unbiased	33.213	33.051	-0.1625

Test Statistics (mohm)

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	32.482	32.645	32.91	0.23162	32.683	32.814	33.053	0.20669	0.1405	0.16963	0.2257	0.048568
3	31.914	32.507	33.213	0.39894	31.988	32.595	33.051	0.35702	-0.1625	0.08787	0.1741	0.096167
10	31.521	32.39	33.116	0.50039	31.552	32.398	33.109	0.4919	-0.0512	0.00846	0.0364	0.027585
30	31.865	32.676	33.434	0.43877	31.868	32.606	33.44	0.44286	-0.1276	-0.0701	0.0062	0.048043
50	32.104	32.639	33.091	0.31968	31.964	32.519	33.015	0.3252	-0.2212	-0.12033	-0.0619	0.051828
100	31.947	32.689	33.513	0.47129	30.829	32.228	33.083	0.63215	-1.95	-0.46091	-0.004	0.59634

Device Test: 22.1 V_COMP_SD(LEVEL|RISE/COMP/4.5////@V_COMP_SD)





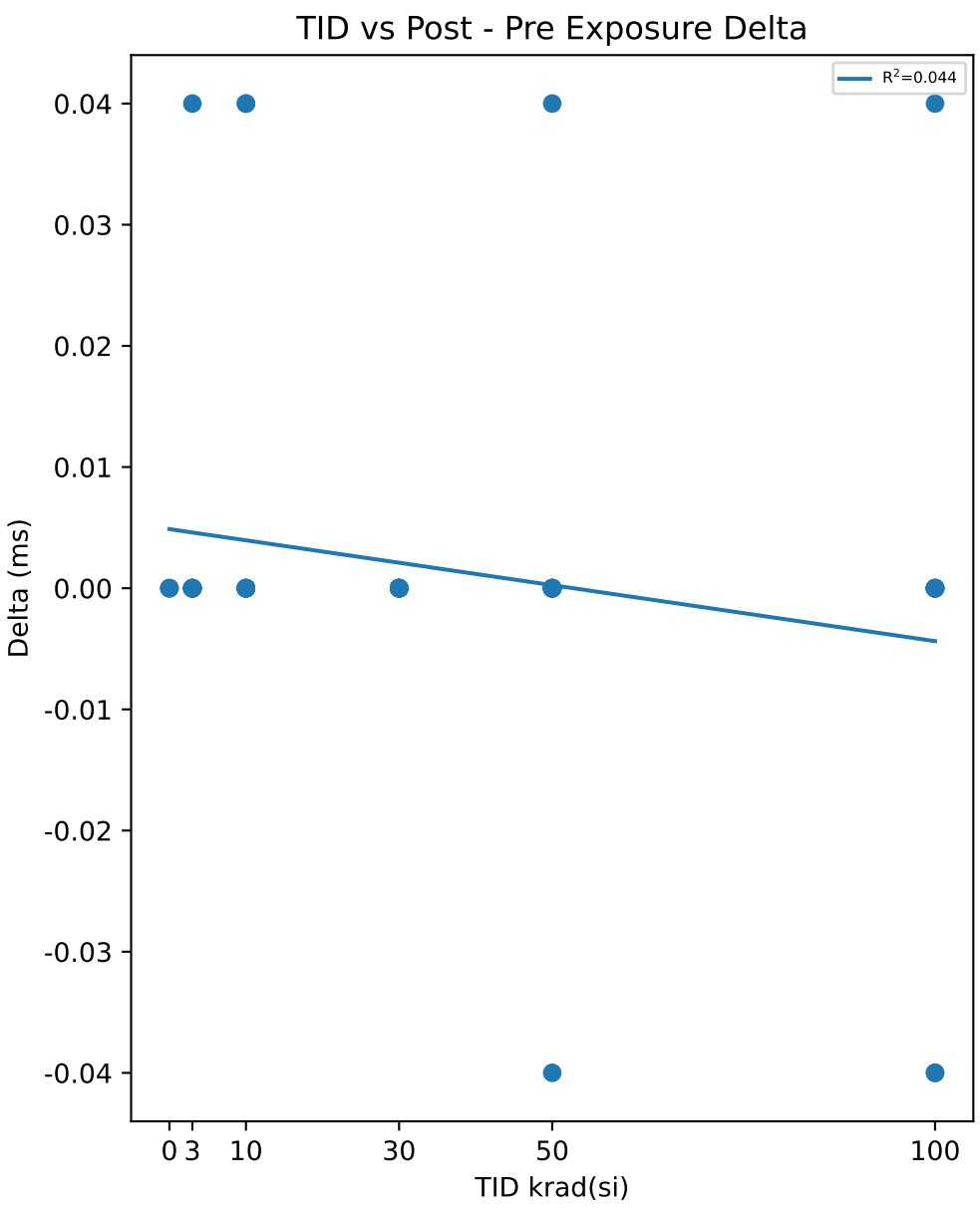
Test Results (Lower Limit = 1.7, Upper Limit = 2.1 (V))

Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
390	100	Biased	1.9048	1.9033	-0.0015
392	100	Biased	1.8993	1.8993	0
393	100	Biased	1.9058	1.9053	-0.0005
394	100	Biased	1.9093	1.9103	0.001
395	100	Biased	1.9118	1.9078	-0.004
412	100	Unbiased	1.8877	1.8892	0.0015
413	100	Unbiased	1.9023	1.8977	-0.0046
414	100	Unbiased	1.8882	1.8882	0
415	100	Unbiased	1.8872	1.8867	-0.0005
416	100	Unbiased	1.9028	1.8993	-0.0035
417	50	Biased	1.8957	1.8977	0.002
418	50	Biased	1.9038	1.9023	-0.0015
419	50	Biased	1.8952	1.8932	-0.002
421	50	Biased	1.8957	1.8932	-0.0025
422	50	Biased	1.8957	1.8987	0.003
423	50	Unbiased	1.8932	1.8932	0
424	50	Unbiased	1.8957	1.8932	-0.0025
425	50	Unbiased	1.8957	1.8967	0.001
426	50	Unbiased	1.9002	1.8977	-0.0025
427	50	Unbiased	1.9038	1.9002	-0.0036
463	0	Corr	1.9007	1.8993	-0.0014
464	0	Corr	1.9007	1.8993	-0.0014
465	0	Corr	1.8957	1.8967	0.001
466	30	Biased	1.9023	1.9028	0.0005
469	30	Biased	1.8957	1.8932	-0.0025
470	30	Biased	1.8882	1.8892	0.001
472	30	Biased	1.8957	1.8932	-0.0025
474	30	Biased	1.9007	1.8977	-0.003
475	30	Unbiased	1.9053	1.9048	-0.0005
477	30	Unbiased	1.9048	1.9043	-0.0005
478	30	Unbiased	1.8957	1.8932	-0.0025
479	30	Unbiased	1.8957	1.8927	-0.003
480	30	Unbiased	1.8957	1.8977	0.002
481	10	Biased	1.8872	1.8857	-0.0015
482	10	Biased	1.9108	1.9113	0.0005
483	10	Biased	1.8957	1.8977	0.002
484	10	Biased	1.8942	1.8912	-0.003
485	10	Biased	1.9043	1.9023	-0.002
487	10	Unbiased	1.9002	1.8987	-0.0015
488	10	Unbiased	1.8957	1.8932	-0.0025
489	10	Unbiased	1.9058	1.9043	-0.0015
490	10	Unbiased	1.8872	1.8852	-0.002
491	10	Unbiased	1.8942	1.8927	-0.0015
492	3	Biased	1.8957	1.8932	-0.0025
493	3	Biased	1.8907	1.8897	-0.001
494	3	Biased	1.9088	1.9068	-0.002
495	3	Biased	1.8922	1.8907	-0.0015
496	3	Biased	1.9048	1.9028	-0.002
497	3	Unbiased	1.8998	1.8993	-0.0005
498	3	Unbiased	1.8947	1.8927	-0.002
499	3	Unbiased	1.8907	1.8892	-0.0015
500	3	Unbiased	1.8922	1.8917	-0.0005
502	3	Unbiased	1.8957	1.8987	0.003

Test Statistics (V)

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	1.8957	1.899	1.9007	0.0028868	1.8967	1.8984	1.8993	0.0015011	-0.0014	-0.0006	0.001	0.0013856
3	1.8907	1.8965	1.9088	0.0061449	1.8892	1.8955	1.9068	0.0060516	-0.0025	-0.00105	0.003	0.0015714
10	1.8872	1.8975	1.9108	0.0077441	1.8852	1.8962	1.9113	0.0082786	-0.003	-0.0013	0.002	0.0014757
30	1.8882	1.898	1.9053	0.0052472	1.8892	1.8969	1.9048	0.00549	-0.003	-0.0011	0.002	0.0018379
50	1.8932	1.8975	1.9038	0.0037512	1.8932	1.8966	1.9023	0.0033087	-0.0036	-0.00086	0.003	0.0022252
100	1.8872	1.8999	1.9118	0.0091308	1.8867	1.8987	1.9103	0.0083554	-0.0046	-0.00121	0.0015	0.0021284

Device Test: 22.10 T_SS_5P6NF(TIMING|STARTUP/SS_TR/5////@T_SS_5P6NF)



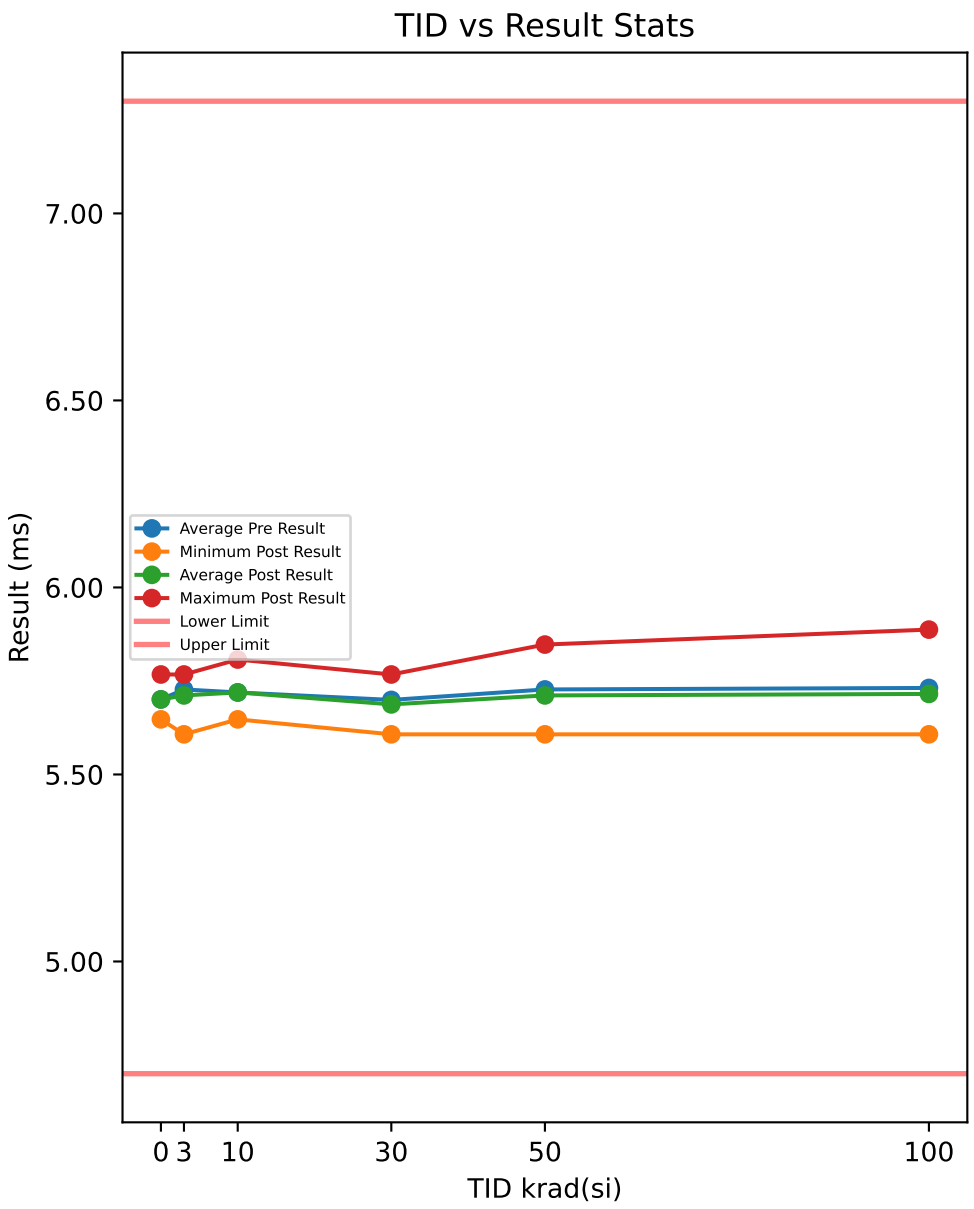
Test Results (No Limits Specified (ms))

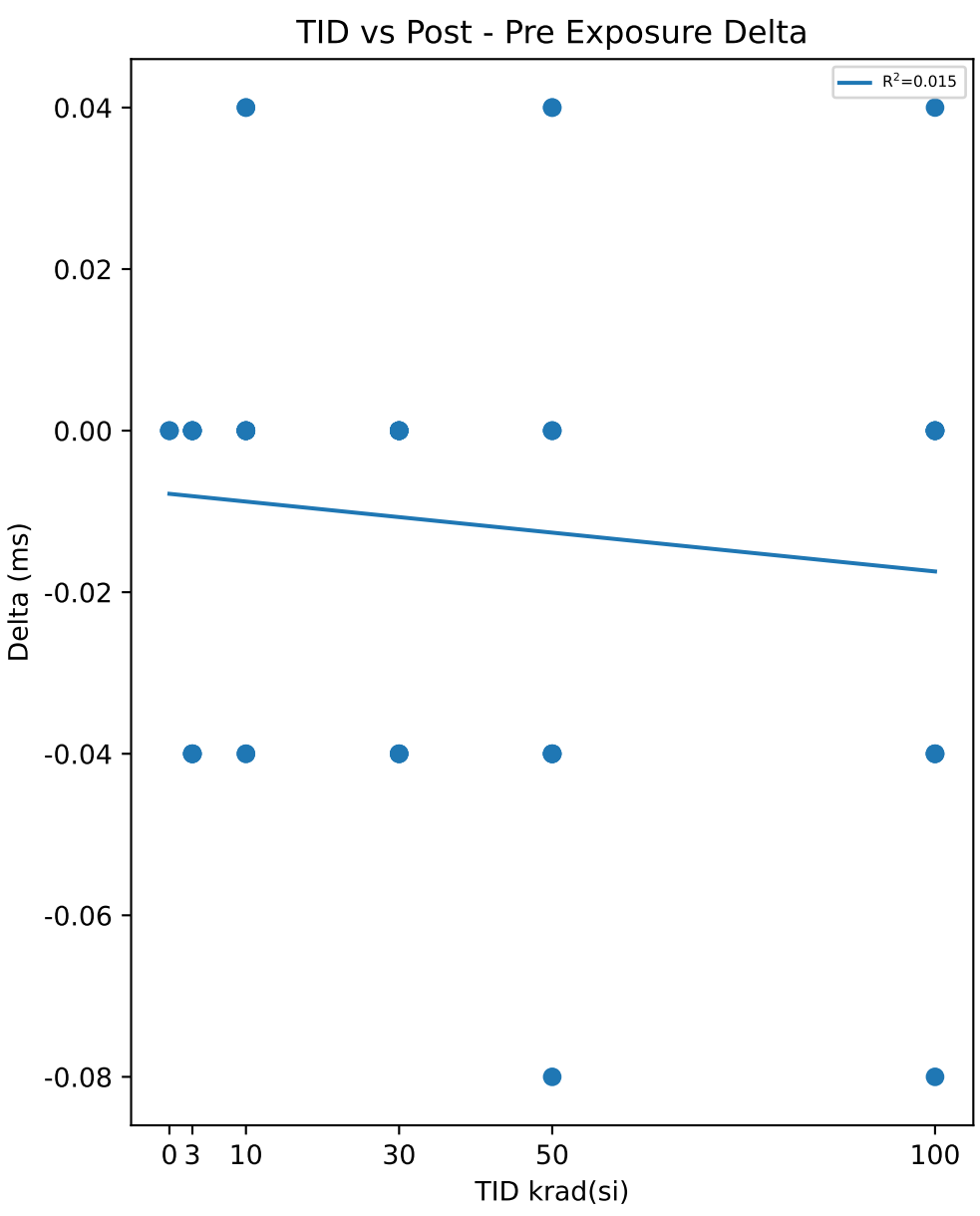
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
390	100	Biased	1.4792	1.4792	0
392	100	Biased	1.4792	1.4792	0
393	100	Biased	1.4792	1.4792	0
394	100	Biased	1.4792	1.4392	-0.04
395	100	Biased	1.4792	1.4792	0
412	100	Unbiased	1.4792	1.4792	0
413	100	Unbiased	1.5192	1.5192	0
414	100	Unbiased	1.4392	1.4792	0.04
415	100	Unbiased	1.5192	1.5192	0
416	100	Unbiased	1.5192	1.4792	-0.04
417	50	Biased	1.4792	1.4792	0
418	50	Biased	1.4792	1.4792	0
419	50	Biased	1.4792	1.4792	0
421	50	Biased	1.4792	1.5192	0.04
422	50	Biased	1.4792	1.4392	-0.04
423	50	Unbiased	1.4792	1.4792	0
424	50	Unbiased	1.5192	1.5192	0
425	50	Unbiased	1.4792	1.4792	0
426	50	Unbiased	1.4392	1.4392	0
427	50	Unbiased	1.5192	1.5192	0
463	0	Corr	1.4792	1.4792	0
464	0	Corr	1.4792	1.4792	0
465	0	Corr	1.4792	1.4792	0
466	30	Biased	1.4792	1.4792	0
469	30	Biased	1.4792	1.4792	0
470	30	Biased	1.4792	1.4792	0
472	30	Biased	1.4792	1.4792	0
474	30	Biased	1.4792	1.4792	0
475	30	Unbiased	1.4792	1.4792	0
477	30	Unbiased	1.4792	1.4792	0
478	30	Unbiased	1.4392	1.4392	0
479	30	Unbiased	1.4792	1.4792	0
480	30	Unbiased	1.4792	1.4792	0
481	10	Biased	1.4792	1.4792	0
482	10	Biased	1.4792	1.4792	0
483	10	Biased	1.4792	1.5192	0.04
484	10	Biased	1.4792	1.4792	0
485	10	Biased	1.4792	1.5192	0.04
487	10	Unbiased	1.4792	1.4792	0
488	10	Unbiased	1.4792	1.4792	0
489	10	Unbiased	1.4792	1.4792	0
490	10	Unbiased	1.4792	1.4792	0
491	10	Unbiased	1.4792	1.4792	0
492	3	Biased	1.4792	1.4792	0
493	3	Biased	1.4792	1.4792	0
494	3	Biased	1.4792	1.4792	0
495	3	Biased	1.4392	1.4392	0
496	3	Biased	1.4792	1.4792	0
497	3	Unbiased	1.4792	1.4792	0
498	3	Unbiased	1.4792	1.4792	0
499	3	Unbiased	1.4792	1.4792	0
500	3	Unbiased	1.4792	1.4792	0
502	3	Unbiased	1.4792	1.5192	0.04

Test Statistics (ms)

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	1.4792	1.4792	1.4792	0	1.4792	1.4792	1.4792	0	0	0	0	0
3	1.4392	1.4752	1.4792	0.012649	1.4392	1.4792	1.5192	0.018856	0	0.004	0.04	0.012649
10	1.4792	1.4792	1.4792	0	1.4792	1.4872	1.5192	0.016865	0	0.008	0.04	0.016865
30	1.4392	1.4752	1.4792	0.012649	1.4392	1.4752	1.4792	0.012649	0	0	0	0
50	1.4392	1.4832	1.5192	0.022706	1.4392	1.4832	1.5192	0.029515	-0.04	0	0.04	0.018856
100	1.4392	1.4872	1.5192	0.025298	1.4392	1.4832	1.5192	0.022706	-0.04	-0.004	0.04	0.022706

Device Test: 22.11 T_SS_22NF(TIMING|STARTUP/SS_TR/5////@T_SS_22NF)





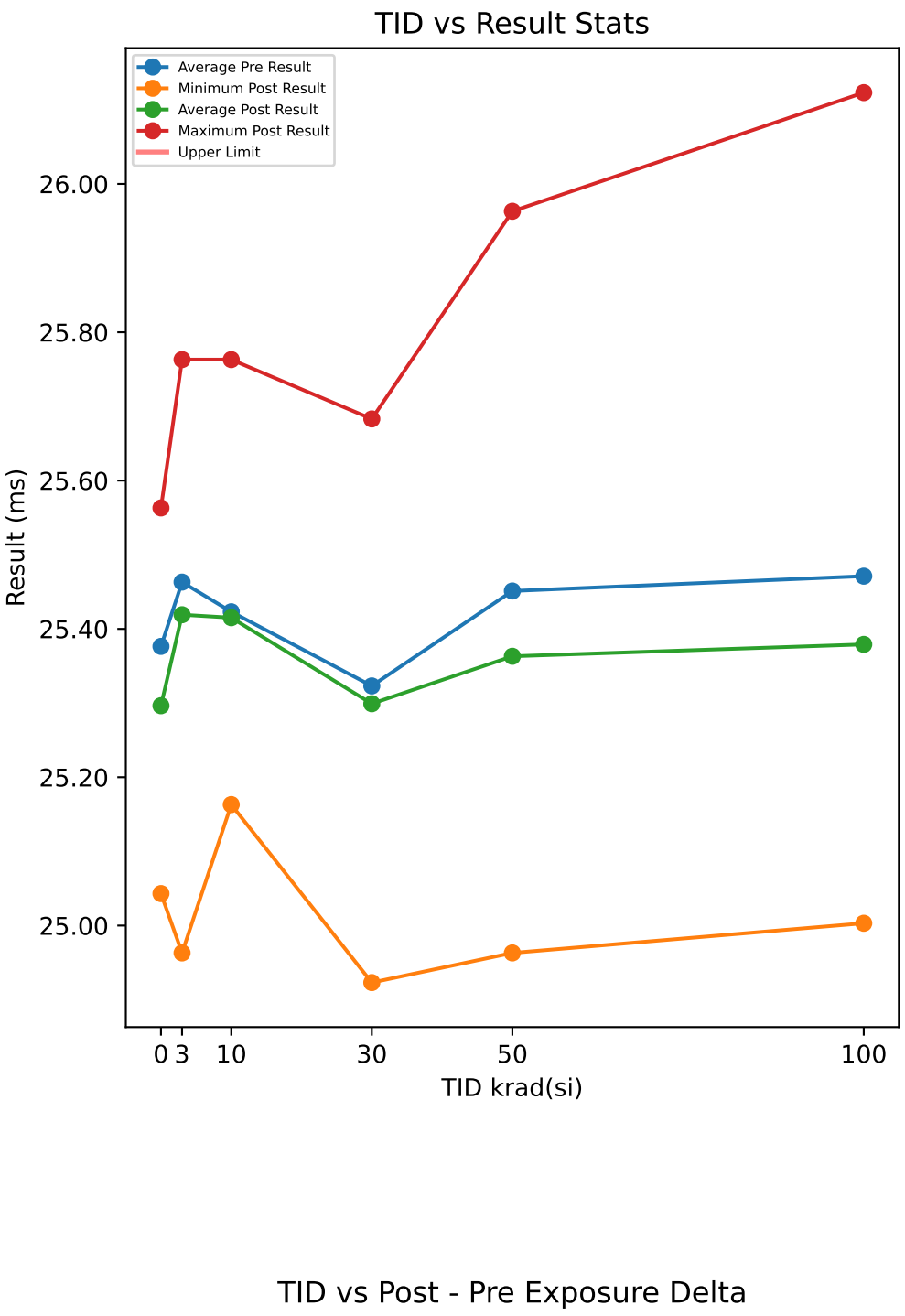
Test Results (Lower Limit = 4.7, Upper Limit = 7.3 (ms))

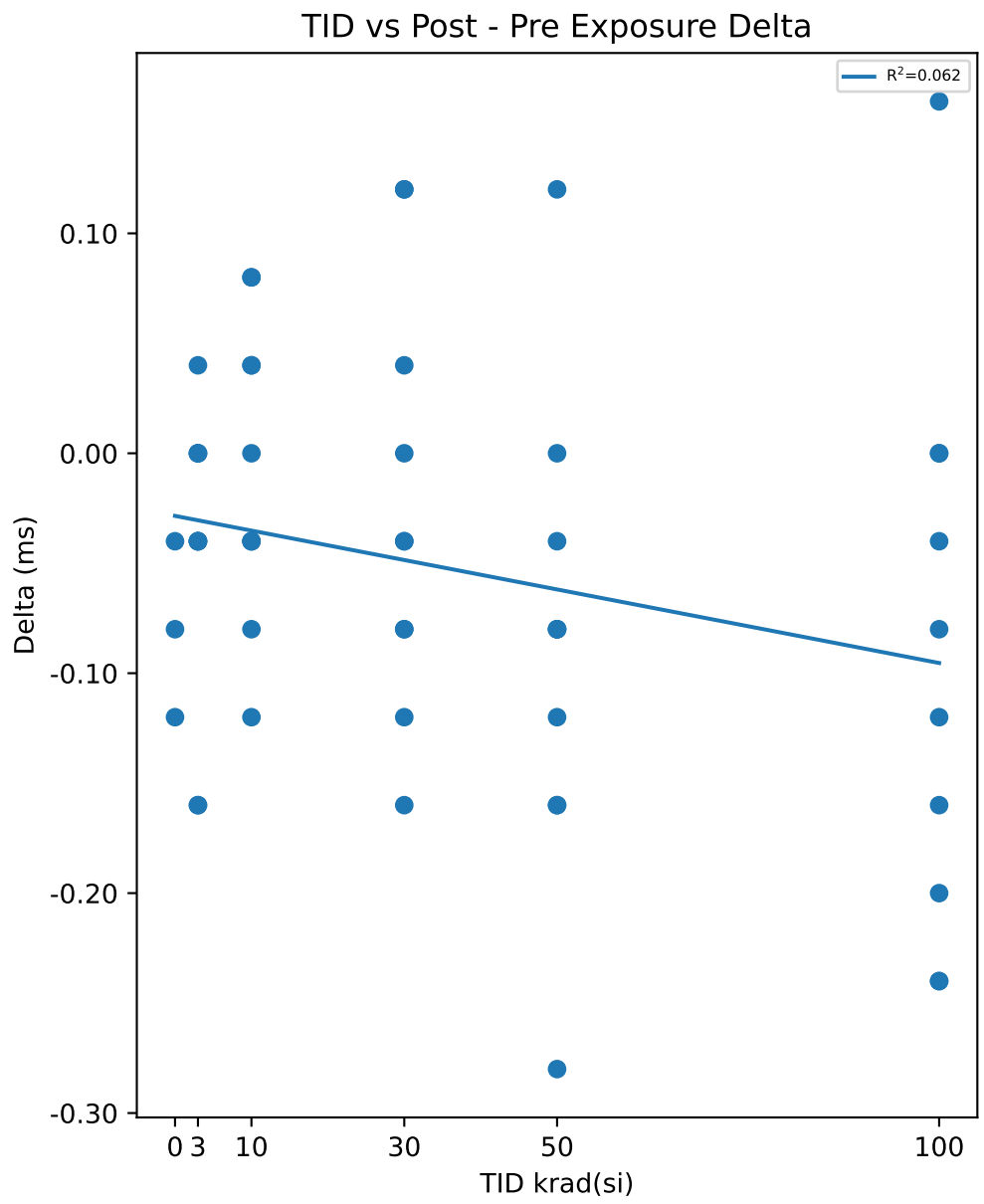
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
390	100	Biased	5.6873	5.6873	0
392	100	Biased	5.6873	5.6473	-0.04
393	100	Biased	5.7273	5.7273	0
394	100	Biased	5.6473	5.6073	-0.04
395	100	Biased	5.7273	5.7273	0
412	100	Unbiased	5.7273	5.7273	0
413	100	Unbiased	5.8473	5.8873	0.04
414	100	Unbiased	5.6473	5.6473	0
415	100	Unbiased	5.8073	5.7673	-0.04
416	100	Unbiased	5.8073	5.7273	-0.08
417	50	Biased	5.6473	5.6073	-0.04
418	50	Biased	5.6873	5.6873	0
419	50	Biased	5.6473	5.6873	0.04
421	50	Biased	5.7673	5.7673	0
422	50	Biased	5.6873	5.6073	-0.08
423	50	Unbiased	5.7673	5.8073	0.04
424	50	Unbiased	5.8473	5.8073	-0.04
425	50	Unbiased	5.7273	5.6873	-0.04
426	50	Unbiased	5.6473	5.6073	-0.04
427	50	Unbiased	5.8473	5.8473	0
463	0	Corr	5.7673	5.7673	0
464	0	Corr	5.6473	5.6473	0
465	0	Corr	5.6873	5.6873	0
466	30	Biased	5.6873	5.6473	-0.04
469	30	Biased	5.6873	5.6873	0
470	30	Biased	5.7273	5.6873	-0.04
472	30	Biased	5.6873	5.6873	0
474	30	Biased	5.6873	5.6873	0
475	30	Unbiased	5.6873	5.6873	0
477	30	Unbiased	5.7673	5.7273	-0.04
478	30	Unbiased	5.6073	5.6073	0
479	30	Unbiased	5.7673	5.7673	0
480	30	Unbiased	5.6873	5.6873	0
481	10	Biased	5.6873	5.6873	0
482	10	Biased	5.6873	5.6473	-0.04
483	10	Biased	5.8073	5.8073	0
484	10	Biased	5.7673	5.7673	0
485	10	Biased	5.8073	5.8073	0
487	10	Unbiased	5.6873	5.6473	-0.04
488	10	Unbiased	5.7273	5.7273	0
489	10	Unbiased	5.6473	5.6873	0.04
490	10	Unbiased	5.6873	5.6873	0
491	10	Unbiased	5.6873	5.7273	0.04
492	3	Biased	5.7673	5.7673	0
493	3	Biased	5.7673	5.7673	0
494	3	Biased	5.7673	5.7673	0
495	3	Biased	5.6473	5.6073	-0.04
496	3	Biased	5.6873	5.6873	0
497	3	Unbiased	5.7273	5.6873	-0.04
498	3	Unbiased	5.7273	5.6873	-0.04
499	3	Unbiased	5.6873	5.6873	0
500	3	Unbiased	5.7273	5.6873	-0.04
502	3	Unbiased	5.7673	5.7673	0

Test Statistics (ms)

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	5.6473	5.7006	5.7673	0.061101	5.6473	5.7006	5.7673	0.061101	0	0	0	0
3	5.6473	5.7273	5.7673	0.042164	5.6073	5.7113	5.7673	0.053996	-0.04	-0.016	0	0.020656
10	5.6473	5.7193	5.8073	0.055936	5.6473	5.7193	5.8073	0.059029	-0.04	0	0.04	0.026667
30	5.6073	5.6993	5.7673	0.04638	5.6073	5.6873	5.7673	0.042164	-0.04	-0.012	0	0.019322
50	5.6473	5.7273	5.8473	0.077746	5.6073	5.7113	5.8473	0.090823	-0.08	-0.016	0.04	0.038644
100	5.6473	5.7313	5.8473	0.069154	5.6073	5.7153	5.8873	0.07786	-0.08	-0.016	0.04	0.033731

Device Test: 22.12 T_SS_100NF(TIMING|STARTUP/SS_TR/5////@T_SS_100NF)





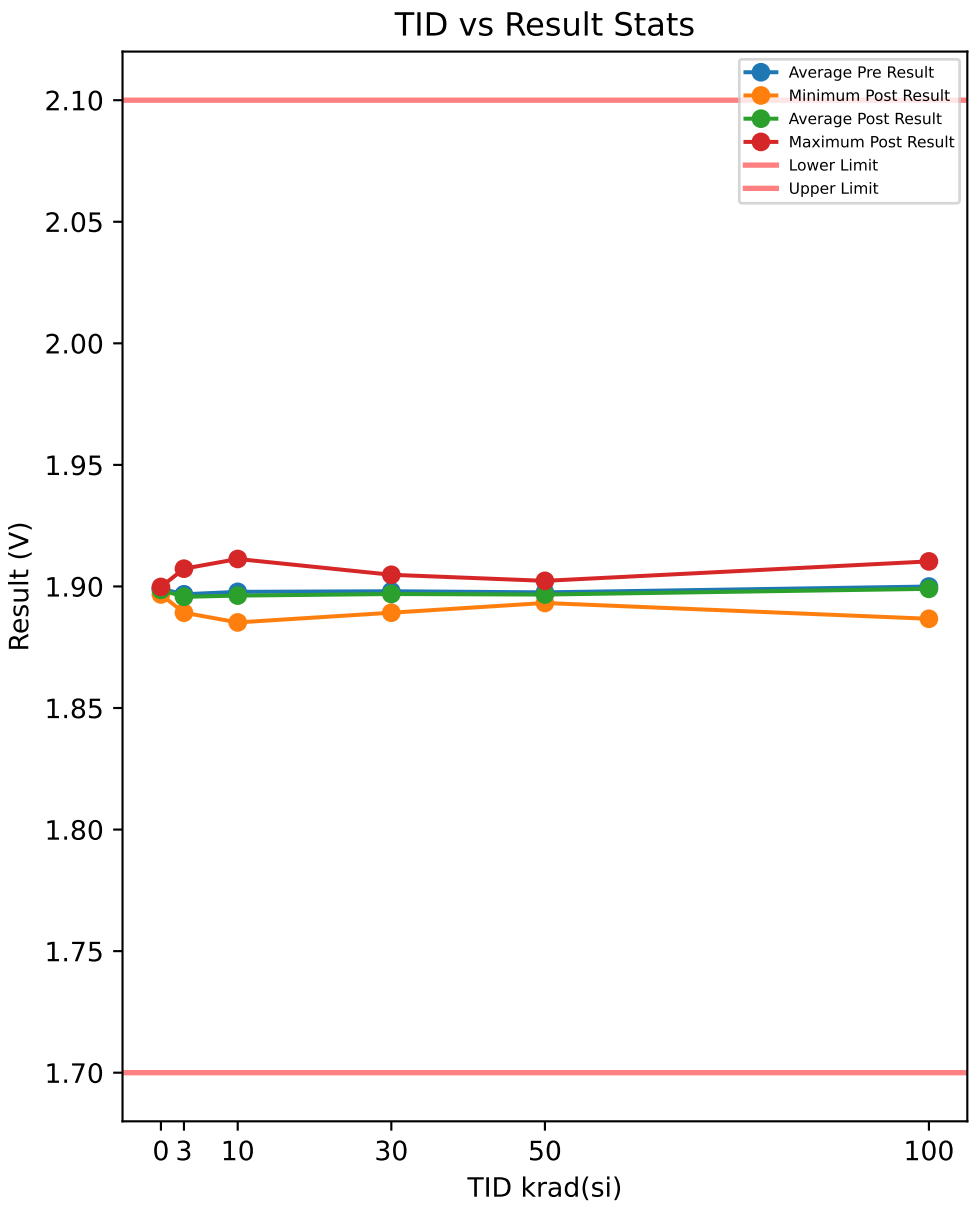
Test Results (No Limits Specified (ms))

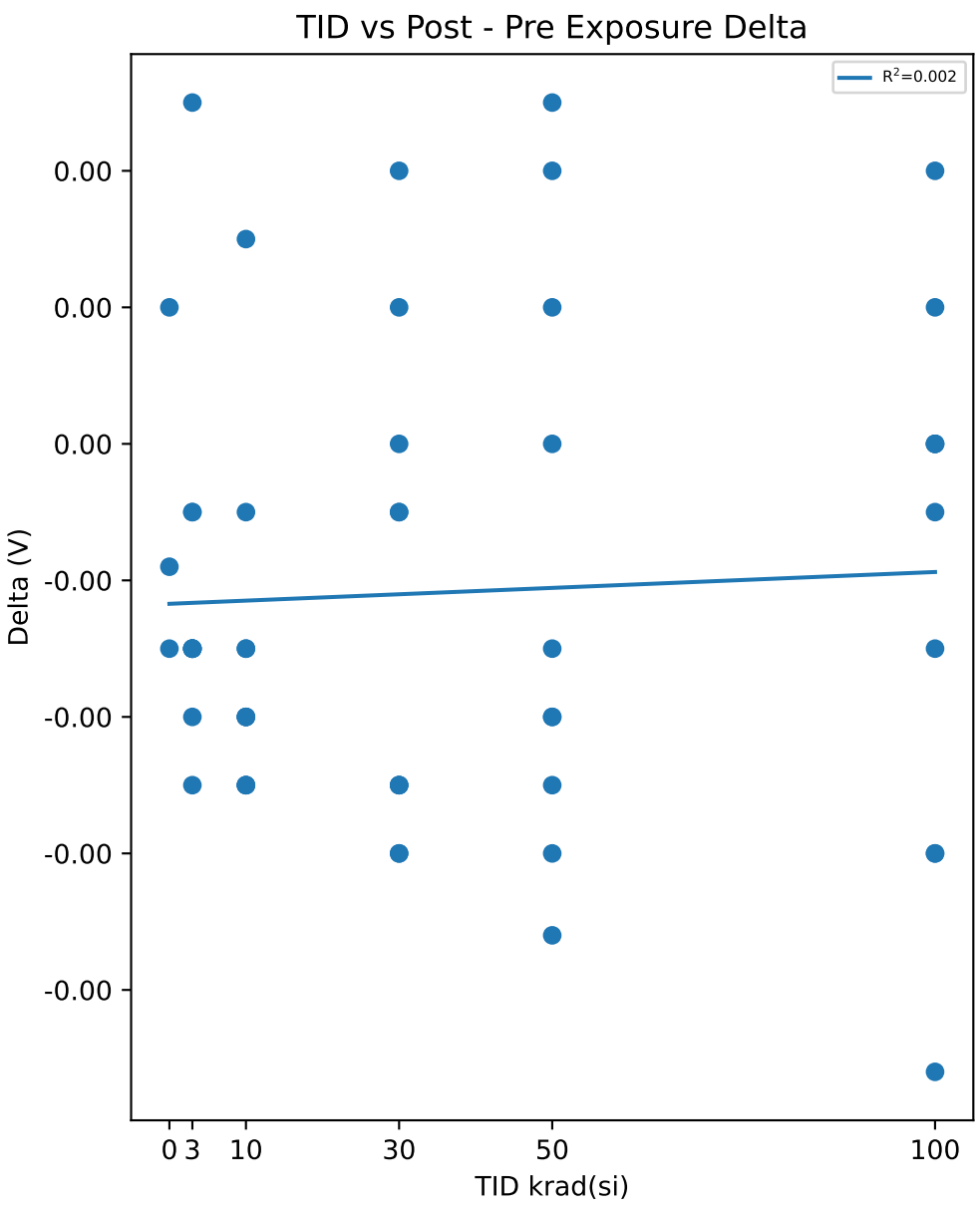
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
390	100	Biased	25.203	25.083	-0.12
392	100	Biased	25.323	25.123	-0.2
393	100	Biased	25.483	25.443	-0.04
394	100	Biased	25.283	25.043	-0.24
395	100	Biased	25.323	25.323	0
412	100	Unbiased	25.523	25.523	0
413	100	Unbiased	25.963	26.123	0.16
414	100	Unbiased	25.083	25.003	-0.08
415	100	Unbiased	25.763	25.603	-0.16
416	100	Unbiased	25.763	25.523	-0.24
417	50	Biased	25.083	25.003	-0.08
418	50	Biased	25.323	25.243	-0.08
419	50	Biased	25.323	25.163	-0.16
421	50	Biased	25.563	25.683	0.12
422	50	Biased	25.203	25.043	-0.16
423	50	Unbiased	25.683	25.683	0
424	50	Unbiased	25.963	25.683	-0.28
425	50	Unbiased	25.283	25.203	-0.08
426	50	Unbiased	25.083	24.963	-0.12
427	50	Unbiased	26.003	25.963	-0.04
463	0	Corr	25.683	25.563	-0.12
464	0	Corr	25.123	25.043	-0.08
465	0	Corr	25.323	25.283	-0.04
466	30	Biased	25.243	25.203	-0.04
469	30	Biased	25.323	25.163	-0.16
470	30	Biased	25.443	25.323	-0.12
472	30	Biased	25.283	25.203	-0.08
474	30	Biased	25.323	25.283	-0.04
475	30	Unbiased	25.363	25.283	-0.08
477	30	Unbiased	25.523	25.563	0.04
478	30	Unbiased	24.803	24.923	0.12
479	30	Unbiased	25.563	25.683	0.12
480	30	Unbiased	25.363	25.363	0
481	10	Biased	25.323	25.243	-0.08
482	10	Biased	25.203	25.163	-0.04
483	10	Biased	25.763	25.763	0
484	10	Biased	25.643	25.523	-0.12
485	10	Biased	25.763	25.723	-0.04
487	10	Unbiased	25.243	25.203	-0.04
488	10	Unbiased	25.483	25.563	0.08
489	10	Unbiased	25.203	25.243	0.04
490	10	Unbiased	25.283	25.363	0.08
491	10	Unbiased	25.323	25.363	0.04
492	3	Biased	25.643	25.603	-0.04
493	3	Biased	25.683	25.643	-0.04
494	3	Biased	25.643	25.483	-0.16
495	3	Biased	25.123	24.963	-0.16
496	3	Biased	25.363	25.363	0
497	3	Unbiased	25.403	25.443	0.04
498	3	Unbiased	25.403	25.363	-0.04
499	3	Unbiased	25.243	25.243	0
500	3	Unbiased	25.363	25.323	-0.04
502	3	Unbiased	25.763	25.763	0

Test Statistics (ms)

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	25.123	25.376	25.683	0.28378	25.043	25.296	25.563	0.26026	-0.12	-0.08	-0.04	0.04
3	25.123	25.463	25.763	0.20934	24.963	25.419	25.763	0.22643	-0.16	-0.044	0.04	0.066533
10	25.203	25.423	25.763	0.2241	25.163	25.415	25.763	0.21668	-0.12	-0.008	0.08	0.067462
30	24.803	25.323	25.563	0.20913	24.923	25.299	25.683	0.21099	-0.16	-0.024	0.12	0.094657
50	25.083	25.451	26.003	0.33773	24.963	25.363	25.963	0.35578	-0.28	-0.088	0.12	0.10633
100	25.083	25.471	25.963	0.28224	25.003	25.379	26.123	0.34316	-0.24	-0.092	0.16	0.12656

Device Test: 22.13 V_COMP_SD(LEVEL|RISE/COMP/12////@V_COMP_SD)





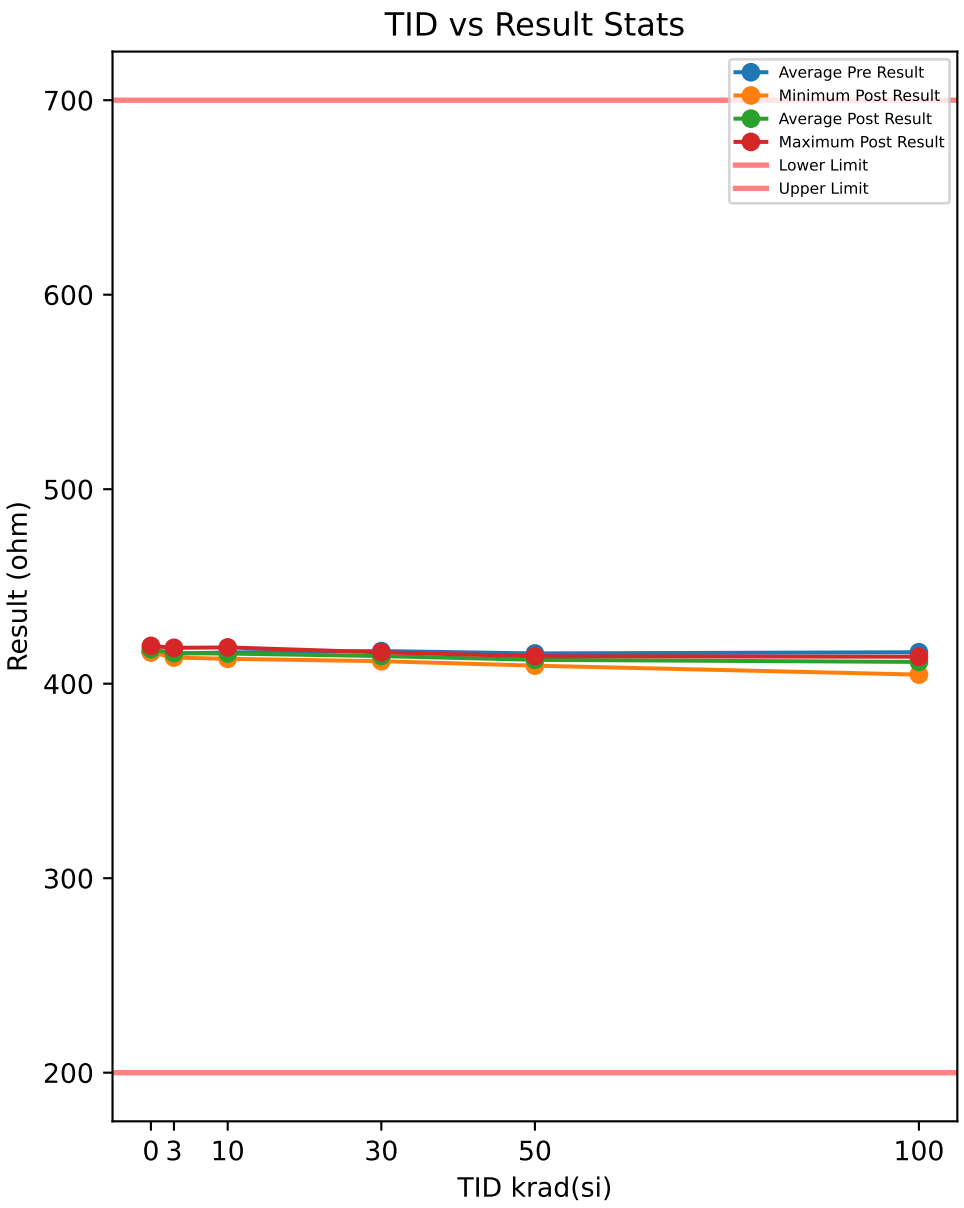
Test Results (Lower Limit = 1.7, Upper Limit = 2.1 (V))

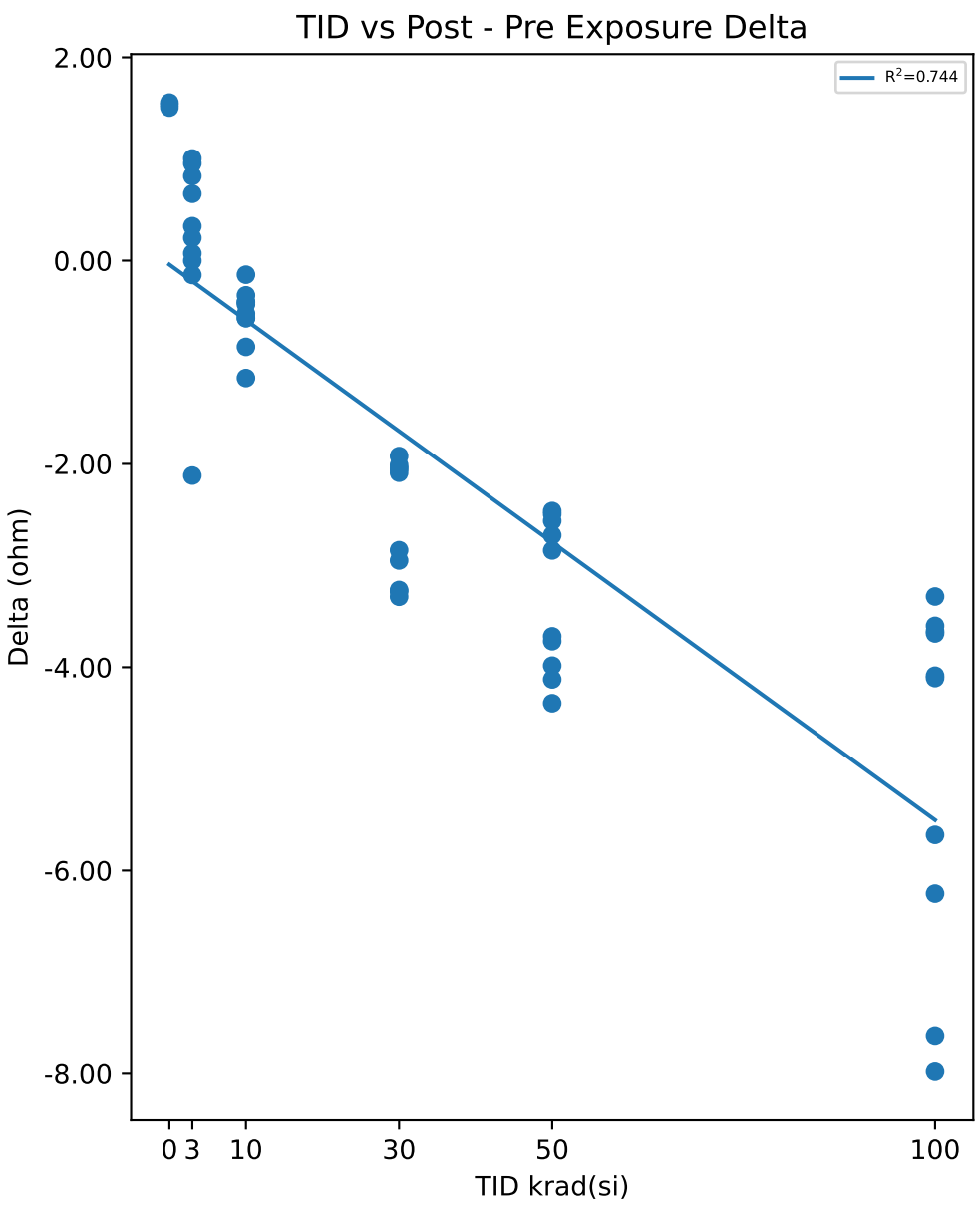
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
390	100	Biased	1.9053	1.9038	-0.0015
392	100	Biased	1.8998	1.8998	0
393	100	Biased	1.9058	1.9058	0
394	100	Biased	1.9093	1.9103	0.001
395	100	Biased	1.9118	1.9088	-0.003
412	100	Unbiased	1.8872	1.8892	0.002
413	100	Unbiased	1.9023	1.8977	-0.0046
414	100	Unbiased	1.8882	1.8882	0
415	100	Unbiased	1.8872	1.8867	-0.0005
416	100	Unbiased	1.9028	1.8998	-0.003
417	50	Biased	1.8957	1.8977	0.002
418	50	Biased	1.9038	1.9023	-0.0015
419	50	Biased	1.8952	1.8932	-0.002
421	50	Biased	1.8957	1.8937	-0.002
422	50	Biased	1.8957	1.8982	0.0025
423	50	Unbiased	1.8932	1.8932	0
424	50	Unbiased	1.8962	1.8937	-0.0025
425	50	Unbiased	1.8957	1.8967	0.001
426	50	Unbiased	1.9007	1.8977	-0.003
427	50	Unbiased	1.9038	1.9002	-0.0036
463	0	Corr	1.9002	1.8993	-0.0009
464	0	Corr	1.9013	1.8998	-0.0015
465	0	Corr	1.8957	1.8967	0.001
466	30	Biased	1.9028	1.9028	0
469	30	Biased	1.8957	1.8932	-0.0025
470	30	Biased	1.8882	1.8892	0.001
472	30	Biased	1.8957	1.8932	-0.0025
474	30	Biased	1.9007	1.8977	-0.003
475	30	Unbiased	1.9053	1.9048	-0.0005
477	30	Unbiased	1.9048	1.9043	-0.0005
478	30	Unbiased	1.8957	1.8932	-0.0025
479	30	Unbiased	1.8957	1.8927	-0.003
480	30	Unbiased	1.8957	1.8977	0.002
481	10	Biased	1.8872	1.8857	-0.0015
482	10	Biased	1.9118	1.9113	-0.0005
483	10	Biased	1.8962	1.8977	0.0015
484	10	Biased	1.8942	1.8917	-0.0025
485	10	Biased	1.9048	1.9023	-0.0025
487	10	Unbiased	1.9002	1.8982	-0.002
488	10	Unbiased	1.8957	1.8932	-0.0025
489	10	Unbiased	1.9063	1.9043	-0.002
490	10	Unbiased	1.8872	1.8852	-0.002
491	10	Unbiased	1.8942	1.8927	-0.0015
492	3	Biased	1.8962	1.8937	-0.0025
493	3	Biased	1.8917	1.8902	-0.0015
494	3	Biased	1.9088	1.9073	-0.0015
495	3	Biased	1.8922	1.8907	-0.0015
496	3	Biased	1.9048	1.9033	-0.0015
497	3	Unbiased	1.8998	1.8993	-0.0005
498	3	Unbiased	1.8952	1.8932	-0.002
499	3	Unbiased	1.8907	1.8892	-0.0015
500	3	Unbiased	1.8922	1.8917	-0.0005
502	3	Unbiased	1.8962	1.8987	0.0025

Test Statistics (V)

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	1.8957	1.8991	1.9013	0.002967	1.8967	1.8986	1.8998	0.0016643	-0.0015	-0.00046667	0.001	0.0013051
3	1.8907	1.8968	1.9088	0.0060168	1.8892	1.8957	1.9073	0.0061284	-0.0025	-0.00105	0.0025	0.0013834
10	1.8872	1.8978	1.9118	0.008032	1.8852	1.8962	1.9113	0.0082315	-0.0025	-0.00155	0.0015	0.0012349
30	1.8882	1.898	1.9053	0.0052951	1.8892	1.8969	1.9048	0.00549	-0.003	-0.00115	0.002	0.0017958
50	1.8932	1.8976	1.9038	0.0037713	1.8932	1.8967	1.9023	0.0031683	-0.0036	-0.00091	0.0025	0.0021455
100	1.8872	1.9	1.9118	0.0092348	1.8867	1.899	1.9103	0.0085632	-0.0046	-0.00096	0.002	0.0020397

Device Test: 22.14 R_SS_DISCHARGE(LEVEL|SINK/SS_TR/12////@R_SS_DISCHARGE)





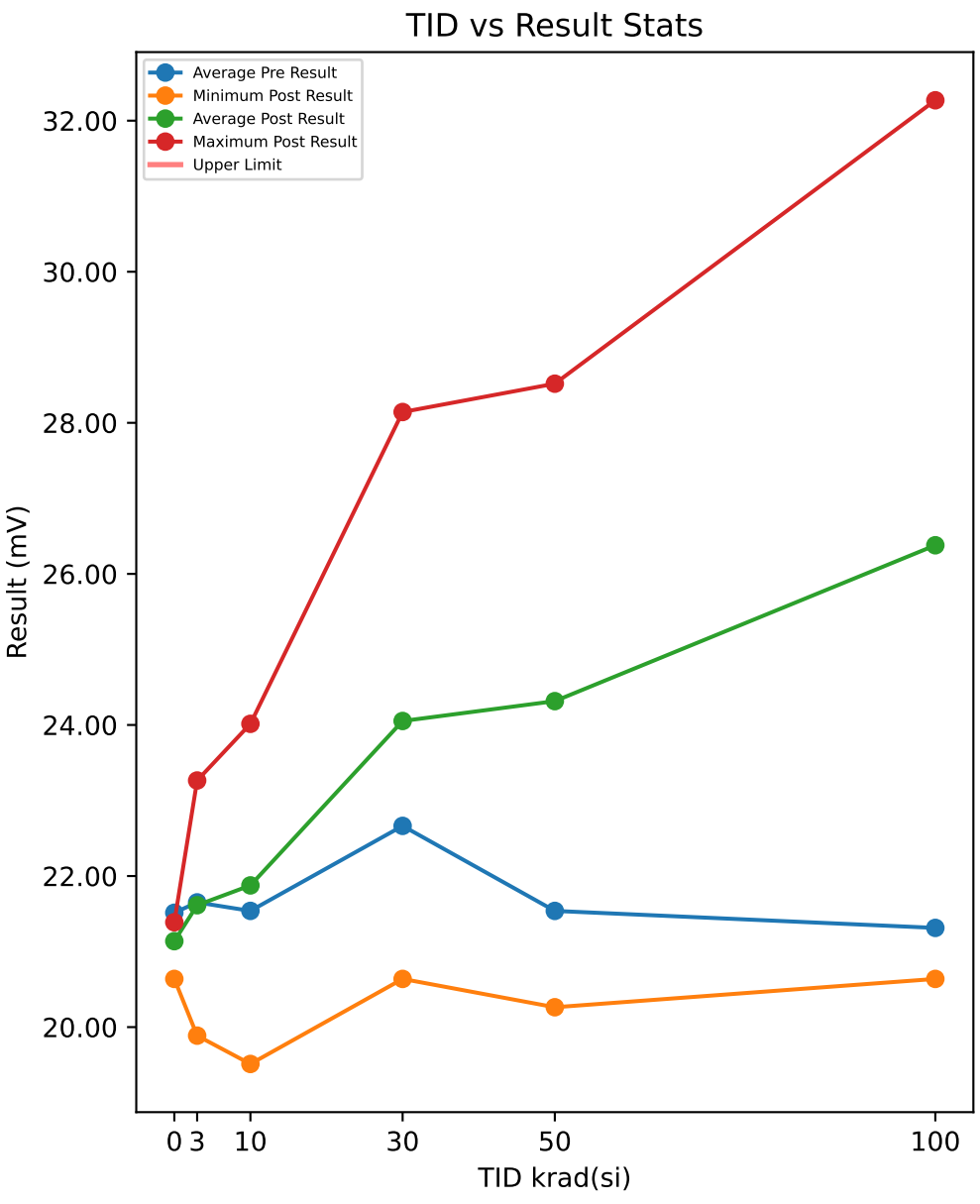
Test Results (Lower Limit = 200.0, Upper Limit = 700.0 (ohm))

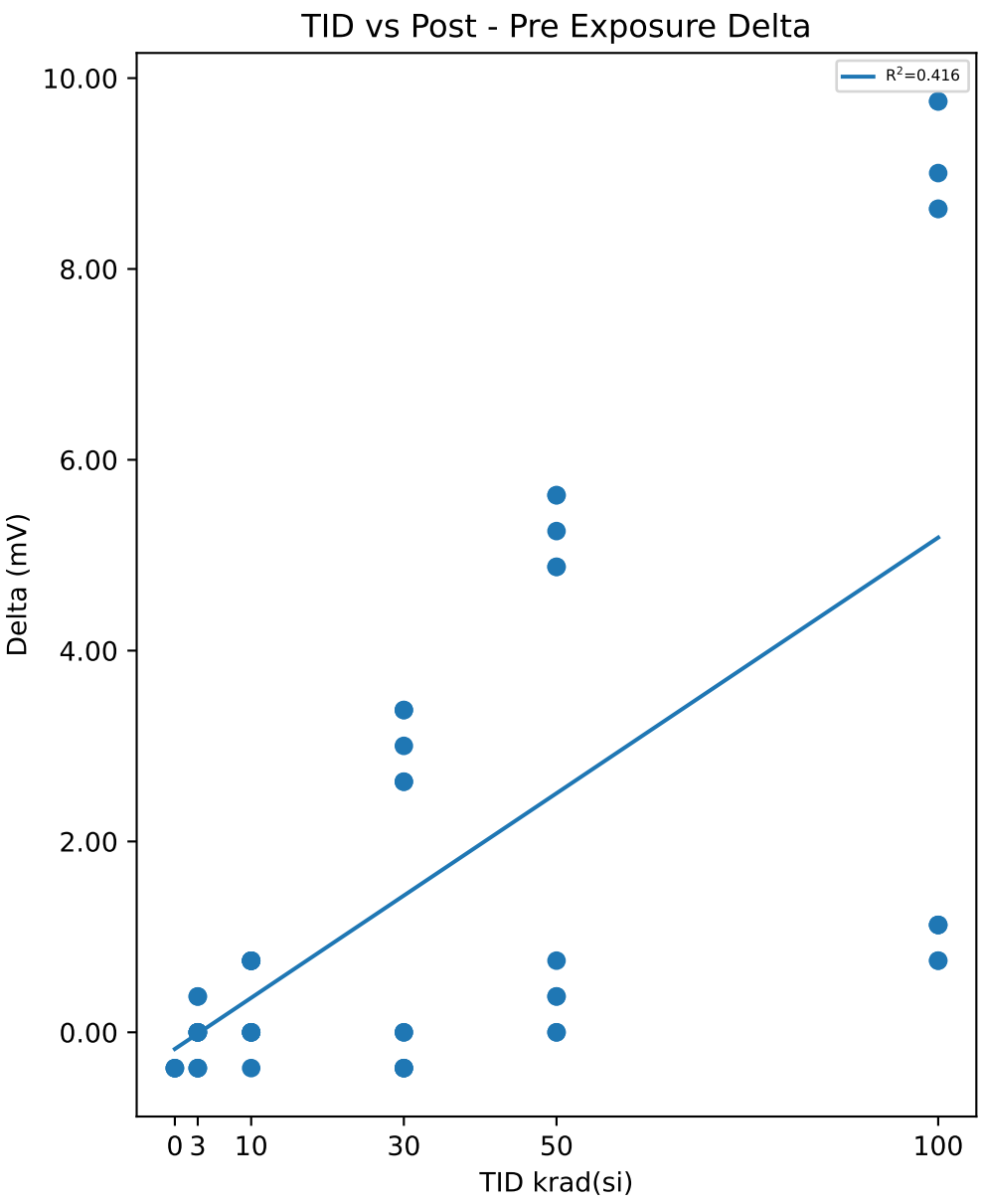
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
390	100	Biased	417.44	413.8	-3.6467
392	100	Biased	417.46	413.87	-3.5935
393	100	Biased	417.73	413.63	-4.1066
394	100	Biased	416.52	412.85	-3.6681
395	100	Biased	414.99	411.69	-3.3044
412	100	Unbiased	418.04	411.81	-6.227
413	100	Unbiased	410.33	404.68	-5.6492
414	100	Unbiased	415.16	411.08	-4.0835
415	100	Unbiased	417.76	410.14	-7.6231
416	100	Unbiased	416.38	408.4	-7.9807
417	50	Biased	416.66	414.1	-2.5602
418	50	Biased	415.21	412.36	-2.8514
419	50	Biased	415.71	413.01	-2.7017
421	50	Biased	414.11	411.65	-2.4635
422	50	Biased	416.26	413.77	-2.4936
423	50	Unbiased	417.38	413.03	-4.3541
424	50	Unbiased	413.25	409.27	-3.9846
425	50	Unbiased	415.47	411.35	-4.1198
426	50	Unbiased	415.18	411.44	-3.7444
427	50	Unbiased	416.36	412.66	-3.6965
463	0	Corr	414.57	416.07	1.5057
464	0	Corr	416.14	417.67	1.5339
465	0	Corr	417.89	419.44	1.555
466	30	Biased	416.79	414.7	-2.0868
469	30	Biased	417.36	415.3	-2.0509
470	30	Biased	418.17	416.13	-2.0392
472	30	Biased	415.12	413.11	-2.0112
474	30	Biased	417.07	415.15	-1.9229
475	30	Unbiased	416.23	412.98	-3.255
477	30	Unbiased	414.82	411.58	-3.2402
478	30	Unbiased	417.09	413.79	-3.3068
479	30	Unbiased	416.89	414.05	-2.8488
480	30	Unbiased	418.26	415.31	-2.9501
481	10	Biased	416.05	415.2	-0.8487
482	10	Biased	413.36	412.79	-0.5635
483	10	Biased	415.33	415.19	-0.1384
484	10	Biased	416.58	416.15	-0.4304
485	10	Biased	415.29	414.89	-0.4035
487	10	Unbiased	417.65	416.5	-1.1553
488	10	Unbiased	418.51	417.98	-0.5216
489	10	Unbiased	414.95	414.53	-0.4125
490	10	Unbiased	419.22	418.65	-0.5676
491	10	Unbiased	413.49	413.15	-0.3413
492	3	Biased	415.5	415.84	0.339
493	3	Biased	417.79	418.44	0.6576
494	3	Biased	414.86	415.69	0.8316
495	3	Biased	416.06	417.02	0.9567
496	3	Biased	415.78	416.79	1.0047
497	3	Unbiased	416.6	416.46	-0.1412
498	3	Unbiased	414.33	414.33	-0.0011
499	3	Unbiased	414.53	414.6	0.0709
500	3	Unbiased	413.21	413.44	0.2237
502	3	Unbiased	416.39	414.27	-2.1149

Test Statistics (ohm)

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	414.57	416.2	417.89	1.6595	416.07	417.73	419.44	1.684	1.5057	1.5315	1.555	0.024735
3	413.21	415.51	417.79	1.3159	413.44	415.69	418.44	1.5386	-2.1149	0.1827	1.0047	0.90539
10	413.36	416.04	419.22	1.9719	412.79	415.5	418.65	1.8806	-1.1553	-0.53828	-0.1384	0.28347
30	414.82	416.78	418.26	1.1337	411.58	414.21	416.13	1.3786	-3.3068	-2.5712	-1.9229	0.59621
50	413.25	415.56	417.38	1.2189	409.27	412.26	414.1	1.4071	-4.3541	-3.297	-2.4635	0.75004
100	410.33	416.18	418.04	2.321	404.68	411.19	413.87	2.8792	-7.9807	-4.9883	-3.3044	1.7571

Device Test: 22.15 V_SS_START(LEVEL|STATIC/SS_TR/12////@V_SS_START)





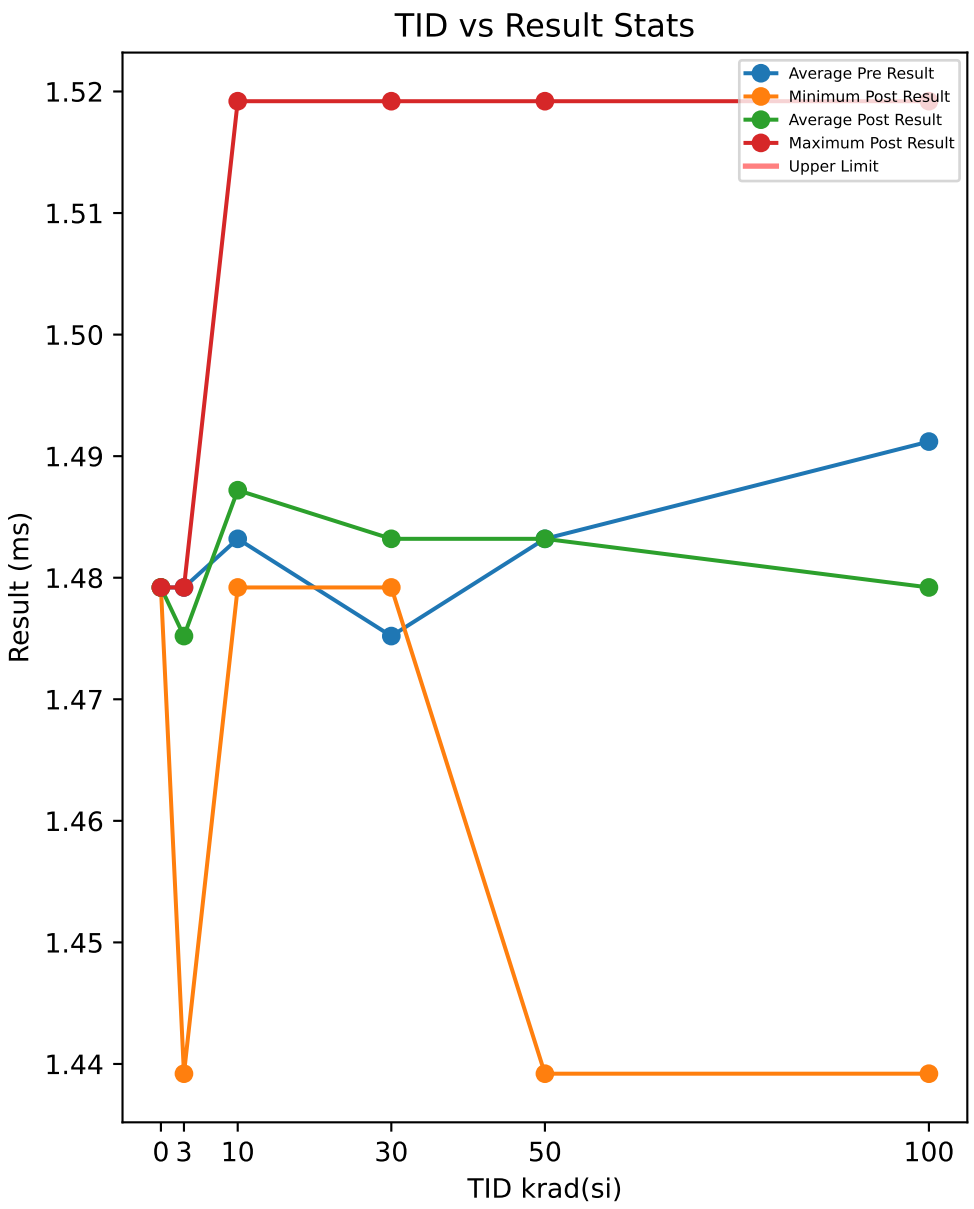
Test Results (No Limits Specified (mV))

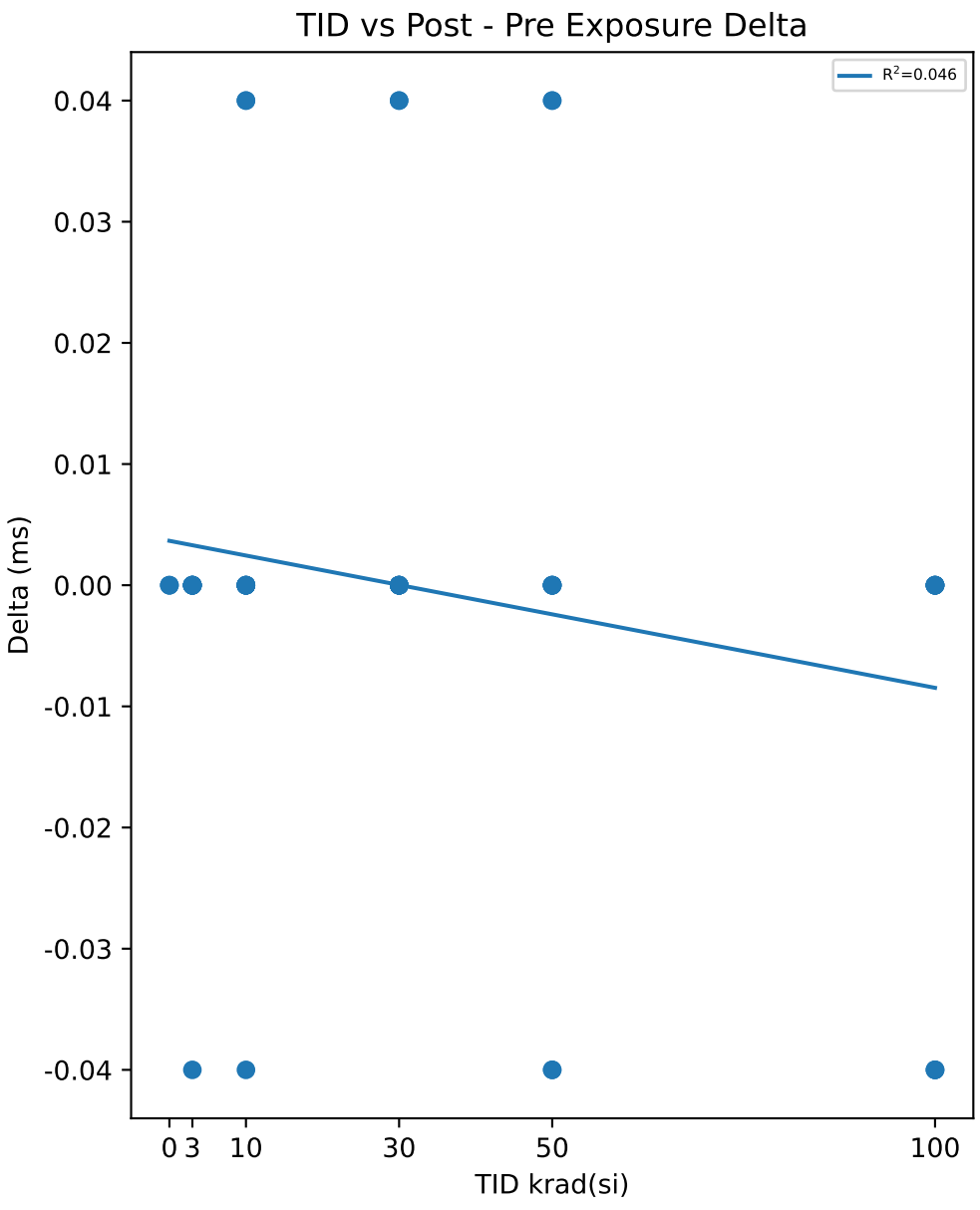
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
390	100	Biased	21.764	31.52	9.756
392	100	Biased	23.64	32.27	8.63
393	100	Biased	19.887	29.644	9.757
394	100	Biased	21.764	30.394	8.63
395	100	Biased	18.762	27.767	9.005
412	100	Unbiased	19.887	20.638	0.751
413	100	Unbiased	21.764	22.889	1.125
414	100	Unbiased	21.388	22.514	1.126
415	100	Unbiased	23.265	24.39	1.125
416	100	Unbiased	21.013	21.764	0.751
417	50	Biased	22.889	28.518	5.629
418	50	Biased	21.764	26.642	4.878
419	50	Biased	21.388	27.017	5.629
421	50	Biased	22.139	27.392	5.253
422	50	Biased	19.512	24.39	4.878
423	50	Unbiased	22.889	23.265	0.376
424	50	Unbiased	20.263	20.263	0
425	50	Unbiased	22.514	23.265	0.751
426	50	Unbiased	20.638	20.638	0
427	50	Unbiased	21.388	21.764	0.376
463	0	Corr	21.764	21.388	-0.376
464	0	Corr	21.764	21.388	-0.376
465	0	Corr	21.013	20.638	-0.375
466	30	Biased	21.764	25.141	3.377
469	30	Biased	22.514	25.141	2.627
470	30	Biased	24.765	28.143	3.378
472	30	Biased	22.514	25.516	3.002
474	30	Biased	23.265	25.891	2.626
475	30	Unbiased	21.388	21.388	0
477	30	Unbiased	21.013	20.638	-0.375
478	30	Unbiased	24.015	23.64	-0.375
479	30	Unbiased	22.889	22.514	-0.375
480	30	Unbiased	22.514	22.514	0
481	10	Biased	23.265	24.015	0.75
482	10	Biased	21.764	22.514	0.75
483	10	Biased	20.263	21.013	0.75
484	10	Biased	20.263	21.013	0.75
485	10	Biased	21.764	22.514	0.75
487	10	Unbiased	19.887	19.512	-0.375
488	10	Unbiased	23.265	23.265	0
489	10	Unbiased	19.887	19.887	0
490	10	Unbiased	22.889	22.889	0
491	10	Unbiased	22.139	22.139	0
492	3	Biased	23.265	23.265	0
493	3	Biased	21.764	21.764	0
494	3	Biased	22.514	22.889	0.375
495	3	Biased	19.887	19.887	0
496	3	Biased	21.388	21.764	0.376
497	3	Unbiased	20.263	19.887	-0.376
498	3	Unbiased	21.013	20.638	-0.375
499	3	Unbiased	21.013	21.013	0
500	3	Unbiased	23.265	23.265	0
502	3	Unbiased	22.139	21.764	-0.375

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	21.013	21.514	21.764	0.43359	20.638	21.138	21.388	0.43301	-0.376	-0.37567	-0.375	0.00057735
3	19.887	21.651	23.265	1.1608	19.887	21.614	23.265	1.2659	-0.376	-0.0375	0.376	0.277
10	19.887	21.539	23.265	1.3726	19.512	21.876	24.015	1.47	-0.375	0.3375	0.75	0.44896
30	21.013	22.664	24.765	1.149	20.638	24.053	28.143	2.3163	-0.375	1.3885	3.378	1.7245
50	19.512	21.538	22.889	1.1353	20.263	24.315	28.518	2.9535	0	2.777	5.629	2.6307
100	18.762	21.313	23.64	1.5094	20.638	26.379	32.27	4.4118	0.751	5.0656	9.757	4.3301

Device Test: 22.16 T_SS_5P6NF(TIMING|STARTUP/SS_TR/12////@T_SS_5P6NF)





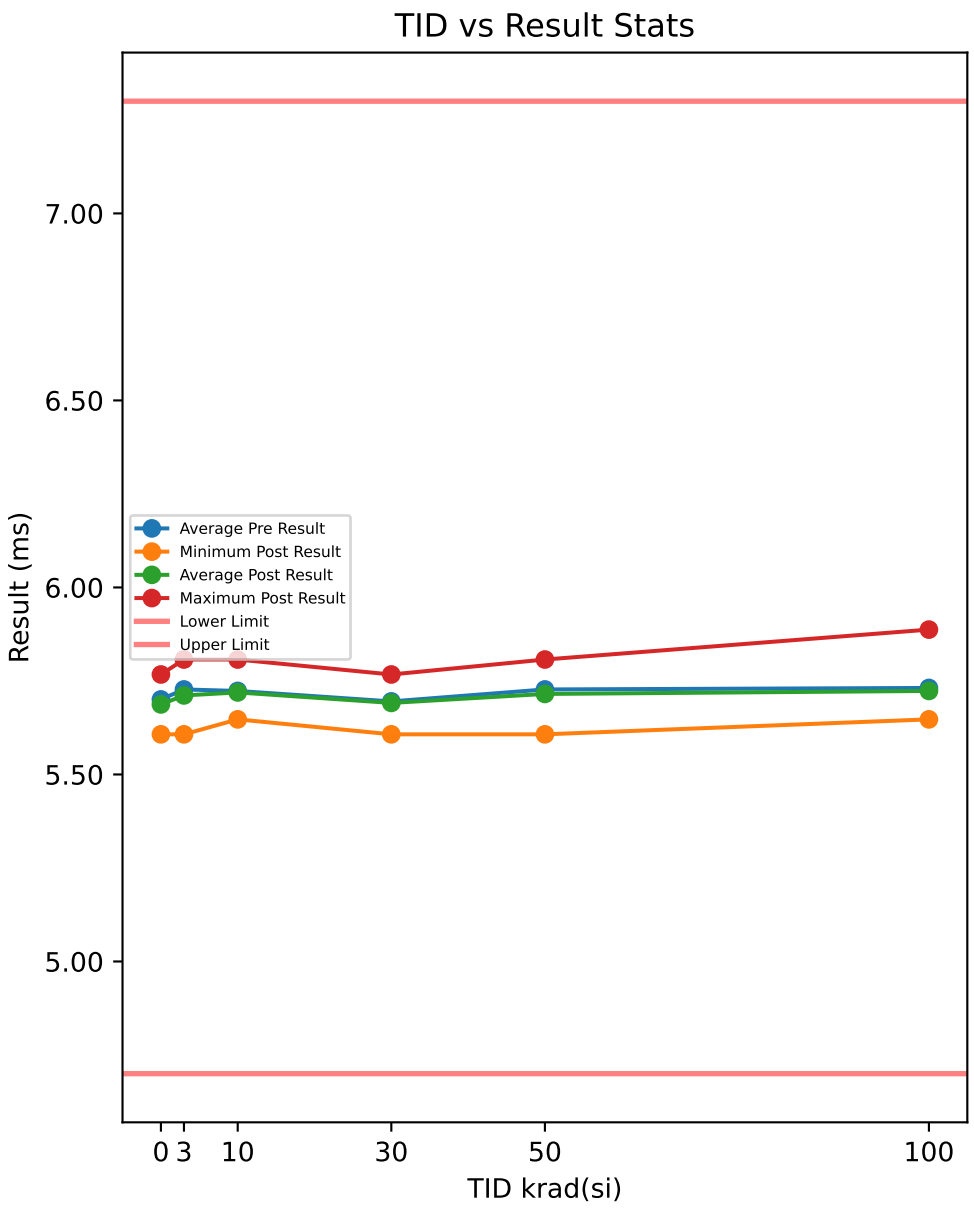
Test Results (No Limits Specified (ms))

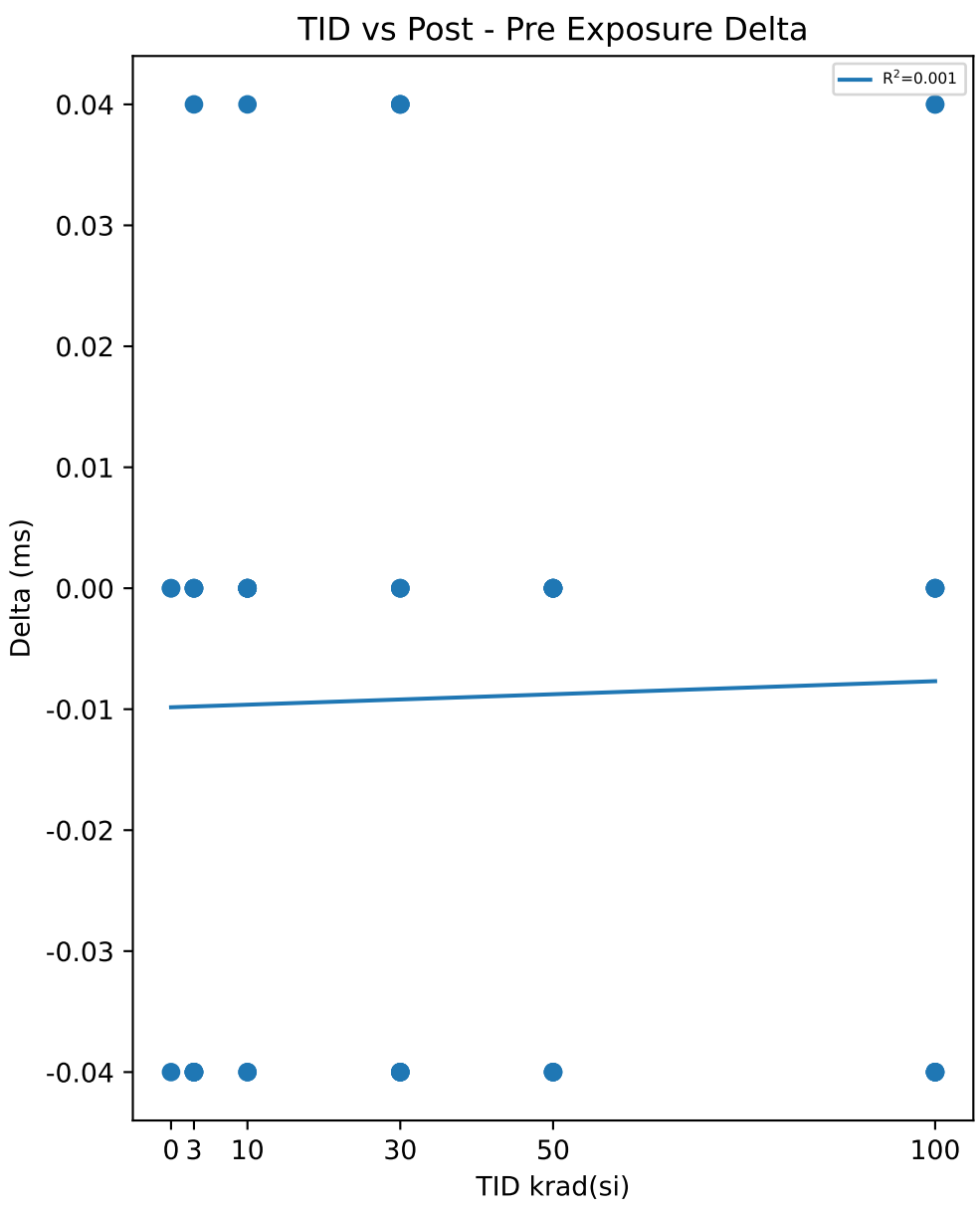
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
390	100	Biased	1.4792	1.4792	0
392	100	Biased	1.4792	1.4792	0
393	100	Biased	1.4792	1.4792	0
394	100	Biased	1.4792	1.4392	-0.04
395	100	Biased	1.4792	1.4792	0
412	100	Unbiased	1.4792	1.4792	0
413	100	Unbiased	1.5192	1.5192	0
414	100	Unbiased	1.4792	1.4392	-0.04
415	100	Unbiased	1.5192	1.5192	0
416	100	Unbiased	1.5192	1.4792	-0.04
417	50	Biased	1.4792	1.4392	-0.04
418	50	Biased	1.4792	1.4792	0
419	50	Biased	1.4792	1.4792	0
421	50	Biased	1.4792	1.5192	0.04
422	50	Biased	1.4792	1.4392	-0.04
423	50	Unbiased	1.4792	1.5192	0.04
424	50	Unbiased	1.5192	1.5192	0
425	50	Unbiased	1.4792	1.4792	0
426	50	Unbiased	1.4392	1.4392	0
427	50	Unbiased	1.5192	1.5192	0
463	0	Corr	1.4792	1.4792	0
464	0	Corr	1.4792	1.4792	0
465	0	Corr	1.4792	1.4792	0
466	30	Biased	1.4792	1.4792	0
469	30	Biased	1.4792	1.4792	0
470	30	Biased	1.4792	1.4792	0
472	30	Biased	1.4792	1.4792	0
474	30	Biased	1.4792	1.4792	0
475	30	Unbiased	1.4792	1.4792	0
477	30	Unbiased	1.4792	1.4792	0
478	30	Unbiased	1.4392	1.4792	0.04
479	30	Unbiased	1.4792	1.5192	0.04
480	30	Unbiased	1.4792	1.4792	0
481	10	Biased	1.4792	1.4792	0
482	10	Biased	1.4792	1.4792	0
483	10	Biased	1.4792	1.5192	0.04
484	10	Biased	1.5192	1.4792	-0.04
485	10	Biased	1.4792	1.5192	0.04
487	10	Unbiased	1.4792	1.4792	0
488	10	Unbiased	1.4792	1.4792	0
489	10	Unbiased	1.4792	1.4792	0
490	10	Unbiased	1.4792	1.4792	0
491	10	Unbiased	1.4792	1.4792	0
492	3	Biased	1.4792	1.4792	0
493	3	Biased	1.4792	1.4792	0
494	3	Biased	1.4792	1.4792	0
495	3	Biased	1.4392	1.4392	0
496	3	Biased	1.4792	1.4792	0
497	3	Unbiased	1.4792	1.4792	0
498	3	Unbiased	1.4792	1.4792	0
499	3	Unbiased	1.4792	1.4792	0
500	3	Unbiased	1.4792	1.4792	0
502	3	Unbiased	1.5192	1.4792	-0.04

Test Statistics (ms)

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	1.4792	1.4792	1.4792	0	1.4792	1.4792	1.4792	0	0	0	0	0
3	1.4392	1.4792	1.5192	0.018856	1.4392	1.4752	1.4792	0.012649	-0.04	-0.004	0	0.012649
10	1.4792	1.4832	1.5192	0.012649	1.4792	1.4872	1.5192	0.016865	-0.04	0.004	0.04	0.022706
30	1.4392	1.4752	1.4792	0.012649	1.4792	1.4832	1.5192	0.012649	0	0.008	0.04	0.016865
50	1.4392	1.4832	1.5192	0.022706	1.4392	1.4832	1.5192	0.035024	-0.04	0	0.04	0.026667
100	1.4792	1.4912	1.5192	0.019322	1.4392	1.4792	1.5192	0.026667	-0.04	-0.012	0	0.019322

Device Test: 22.17 T_SS_22NF(TIMING|STARTUP/SS_TR/12////@T_SS_22NF)





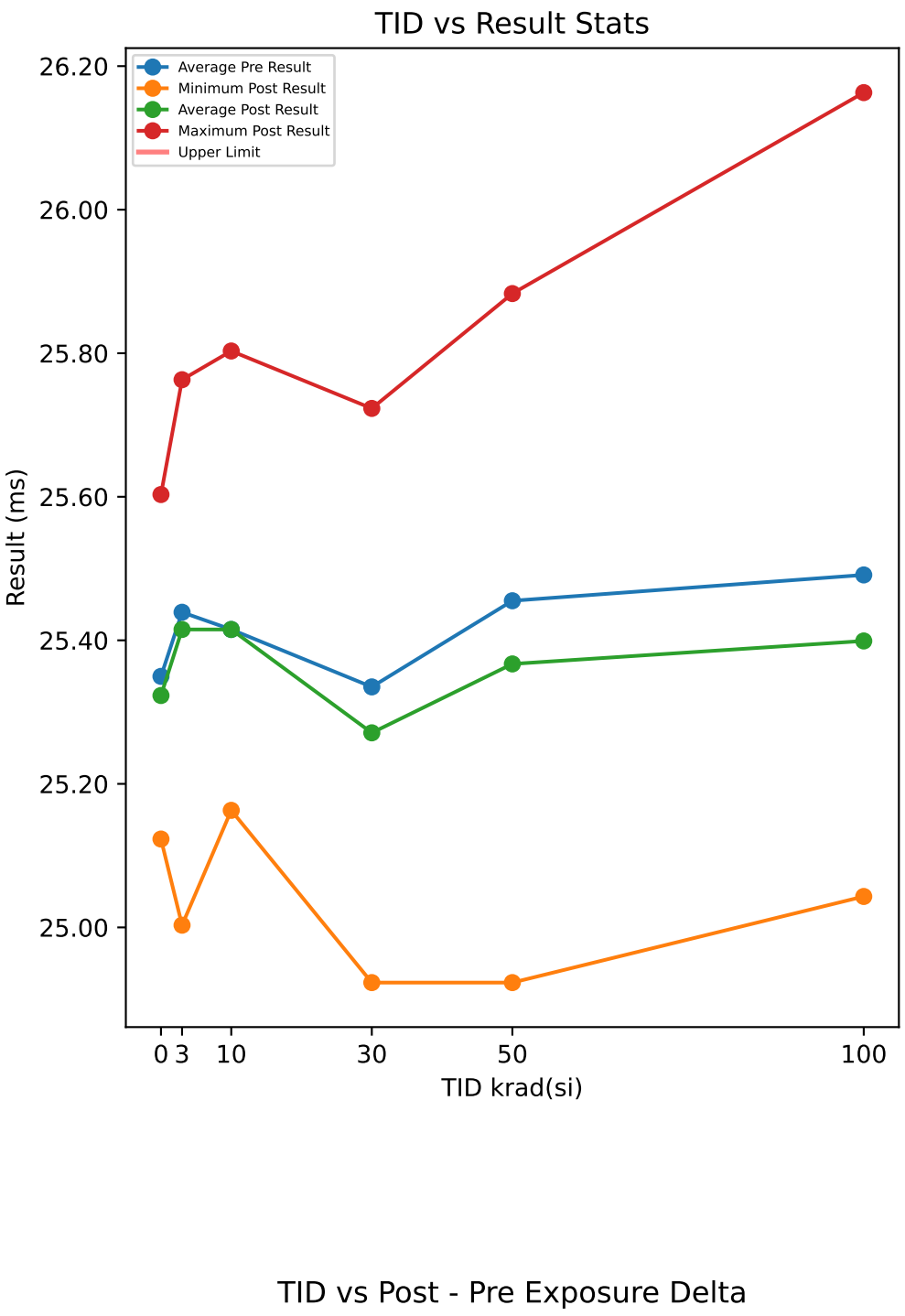
Test Results (Lower Limit = 4.7, Upper Limit = 7.3 (ms))

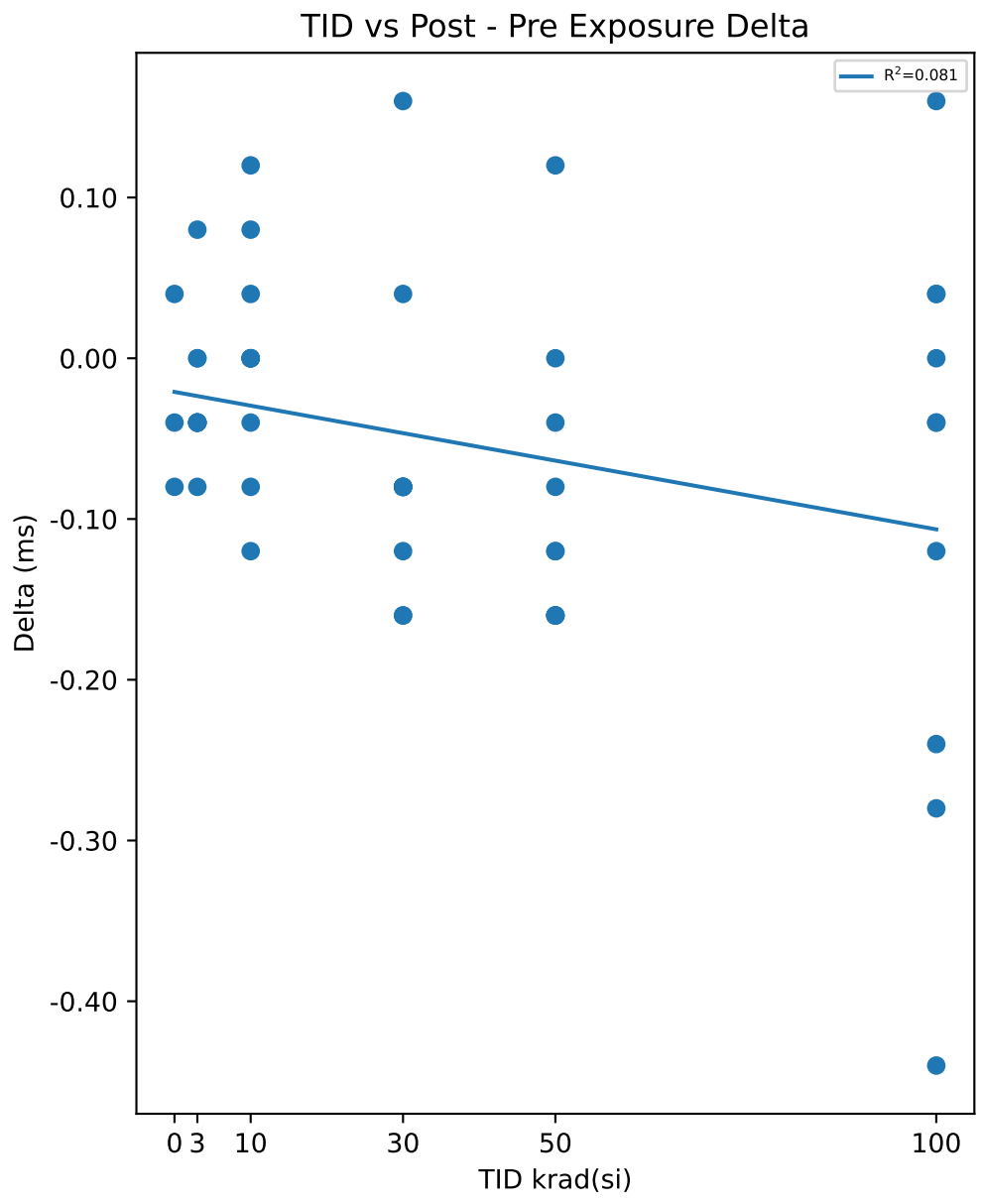
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
390	100	Biased	5.6873	5.6873	0
392	100	Biased	5.6873	5.6473	-0.04
393	100	Biased	5.7673	5.7273	-0.04
394	100	Biased	5.6873	5.6473	-0.04
395	100	Biased	5.6873	5.6873	0
412	100	Unbiased	5.7273	5.7673	0.04
413	100	Unbiased	5.8473	5.8873	0.04
414	100	Unbiased	5.6473	5.6473	0
415	100	Unbiased	5.7673	5.7673	0
416	100	Unbiased	5.8073	5.7673	-0.04
417	50	Biased	5.6473	5.6473	0
418	50	Biased	5.6873	5.6873	0
419	50	Biased	5.6873	5.6873	0
421	50	Biased	5.8073	5.8073	0
422	50	Biased	5.6473	5.6473	0
423	50	Unbiased	5.7673	5.7673	0
424	50	Unbiased	5.8473	5.8073	-0.04
425	50	Unbiased	5.6873	5.6873	0
426	50	Unbiased	5.6473	5.6073	-0.04
427	50	Unbiased	5.8473	5.8073	-0.04
463	0	Corr	5.7673	5.7673	0
464	0	Corr	5.6473	5.6073	-0.04
465	0	Corr	5.6873	5.6873	0
466	30	Biased	5.6473	5.6873	0.04
469	30	Biased	5.7273	5.6873	-0.04
470	30	Biased	5.7273	5.6873	-0.04
472	30	Biased	5.6873	5.6873	0
474	30	Biased	5.6873	5.6873	0
475	30	Unbiased	5.6873	5.6873	0
477	30	Unbiased	5.7673	5.7273	-0.04
478	30	Unbiased	5.5673	5.6073	0.04
479	30	Unbiased	5.7273	5.7673	0.04
480	30	Unbiased	5.7273	5.6873	-0.04
481	10	Biased	5.6873	5.6873	0
482	10	Biased	5.6873	5.6873	0
483	10	Biased	5.8073	5.8073	0
484	10	Biased	5.7673	5.7673	0
485	10	Biased	5.8073	5.8073	0
487	10	Unbiased	5.6473	5.6873	0.04
488	10	Unbiased	5.7273	5.7273	0
489	10	Unbiased	5.6873	5.6473	-0.04
490	10	Unbiased	5.6873	5.6873	0
491	10	Unbiased	5.7273	5.6873	-0.04
492	3	Biased	5.7673	5.7273	-0.04
493	3	Biased	5.7673	5.7673	0
494	3	Biased	5.7673	5.7673	0
495	3	Biased	5.6473	5.6073	-0.04
496	3	Biased	5.6873	5.6873	0
497	3	Unbiased	5.7273	5.6873	-0.04
498	3	Unbiased	5.7273	5.6873	-0.04
499	3	Unbiased	5.6873	5.6873	0
500	3	Unbiased	5.7273	5.6873	-0.04
502	3	Unbiased	5.7673	5.8073	0.04

Test Statistics (ms)

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	5.6473	5.7006	5.7673	0.061101	5.6073	5.6873	5.7673	0.08	-0.04	-0.013333	0	0.023094
3	5.6473	5.7273	5.7673	0.042164	5.6073	5.7113	5.8073	0.057194	-0.04	-0.016	0.04	0.027968
10	5.6473	5.7233	5.8073	0.054813	5.6473	5.7193	5.8073	0.055936	-0.04	-0.004	0.04	0.022706
30	5.5673	5.6953	5.7673	0.055936	5.6073	5.6913	5.7673	0.039777	-0.04	-0.004	0.04	0.035024
50	5.6473	5.7273	5.8473	0.082192	5.6073	5.7153	5.8073	0.075542	-0.04	-0.012	0	0.019322
100	5.6473	5.7313	5.8473	0.063805	5.6473	5.7233	5.8873	0.076478	-0.04	-0.008	0.04	0.031552

Device Test: 22.18 T_SS_100NF(TIMING|STARTUP/SS_TR/12////@T_SS_100NF)





Test Results (No Limits Specified (ms))

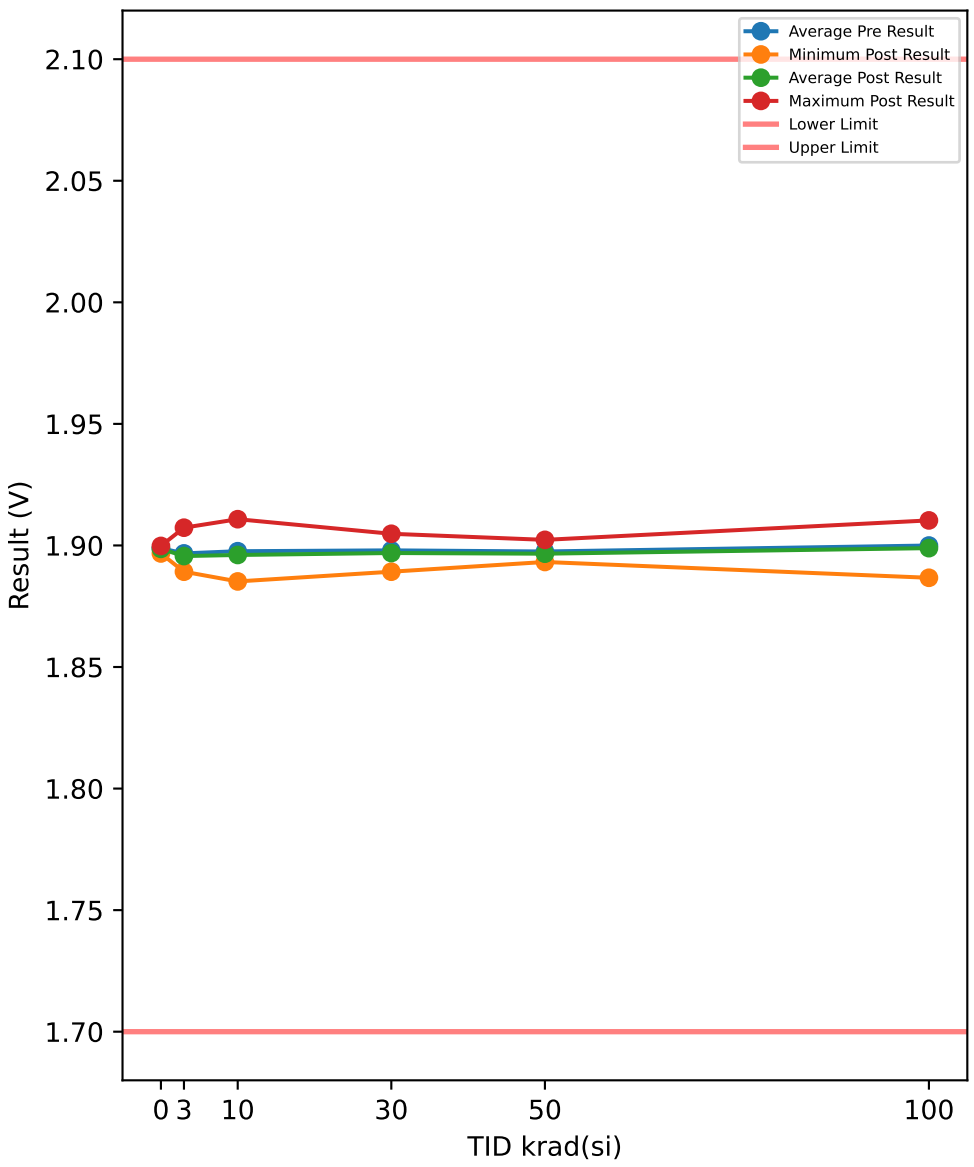
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
390	100	Biased	25.243	25.123	-0.12
392	100	Biased	25.443	25.163	-0.28
393	100	Biased	25.443	25.483	0.04
394	100	Biased	25.283	25.043	-0.24
395	100	Biased	25.363	25.363	0
412	100	Unbiased	25.443	25.403	-0.04
413	100	Unbiased	26.003	26.163	0.16
414	100	Unbiased	25.043	25.083	0.04
415	100	Unbiased	25.723	25.683	-0.04
416	100	Unbiased	25.923	25.483	-0.44
417	50	Biased	25.123	25.043	-0.08
418	50	Biased	25.323	25.203	-0.12
419	50	Biased	25.203	25.203	0
421	50	Biased	25.643	25.763	0.12
422	50	Biased	25.203	25.043	-0.16
423	50	Unbiased	25.723	25.683	-0.04
424	50	Unbiased	25.843	25.683	-0.16
425	50	Unbiased	25.403	25.243	-0.16
426	50	Unbiased	25.083	24.923	-0.16
427	50	Unbiased	26.003	25.883	-0.12
463	0	Corr	25.643	25.603	-0.04
464	0	Corr	25.083	25.123	0.04
465	0	Corr	25.323	25.243	-0.08
466	30	Biased	25.203	25.123	-0.08
469	30	Biased	25.243	25.083	-0.16
470	30	Biased	25.523	25.363	-0.16
472	30	Biased	25.243	25.163	-0.08
474	30	Biased	25.323	25.243	-0.08
475	30	Unbiased	25.363	25.243	-0.12
477	30	Unbiased	25.603	25.523	-0.08
478	30	Unbiased	24.883	24.923	0.04
479	30	Unbiased	25.563	25.723	0.16
480	30	Unbiased	25.403	25.323	-0.08
481	10	Biased	25.323	25.283	-0.04
482	10	Biased	25.203	25.203	0
483	10	Biased	25.763	25.803	0.04
484	10	Biased	25.603	25.483	-0.12
485	10	Biased	25.763	25.763	0
487	10	Unbiased	25.163	25.163	0
488	10	Unbiased	25.563	25.483	-0.08
489	10	Unbiased	25.163	25.243	0.08
490	10	Unbiased	25.283	25.283	0
491	10	Unbiased	25.323	25.443	0.12
492	3	Biased	25.603	25.563	-0.04
493	3	Biased	25.603	25.563	-0.04
494	3	Biased	25.643	25.603	-0.04
495	3	Biased	25.083	25.003	-0.08
496	3	Biased	25.363	25.323	-0.04
497	3	Unbiased	25.403	25.363	-0.04
498	3	Unbiased	25.403	25.363	-0.04
499	3	Unbiased	25.163	25.243	0.08
500	3	Unbiased	25.363	25.363	0
502	3	Unbiased	25.763	25.763	0

Test Statistics (ms)

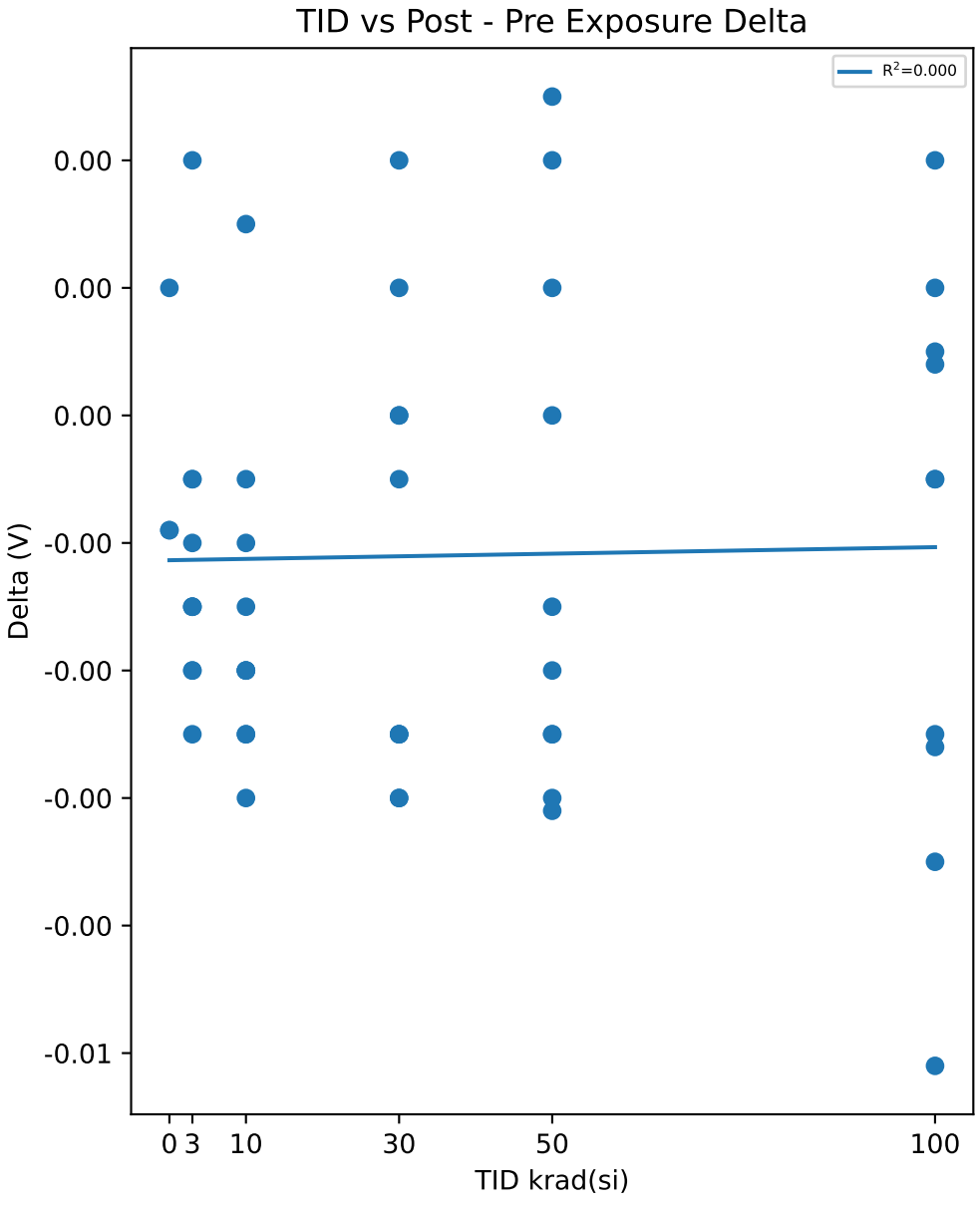
krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	25.083	25.35	25.643	0.28095	25.123	25.323	25.603	0.2498	-0.08	-0.026667	0.04	0.061101
3	25.083	25.439	25.763	0.21537	25.003	25.415	25.763	0.21503	-0.08	-0.024	0.08	0.042999
10	25.163	25.415	25.763	0.23706	25.163	25.415	25.803	0.22474	-0.12	3.5527e-16	0.12	0.070553
30	24.883	25.335	25.603	0.2117	24.923	25.271	25.723	0.22866	-0.16	-0.064	0.16	0.096517
50	25.083	25.455	26.003	0.32554	24.923	25.367	25.883	0.34945	-0.16	-0.088	0.12	0.09199
100	25.043	25.491	26.003	0.30393	25.043	25.399	26.163	0.33965	-0.44	-0.092	0.16	0.17993

Device Test: 22.19 V_COMP_SD(LEVEL|RISE/COMP/14////@V_COMP_SD)

TID vs Result Stats



TID vs Post - Pre Exposure Delta



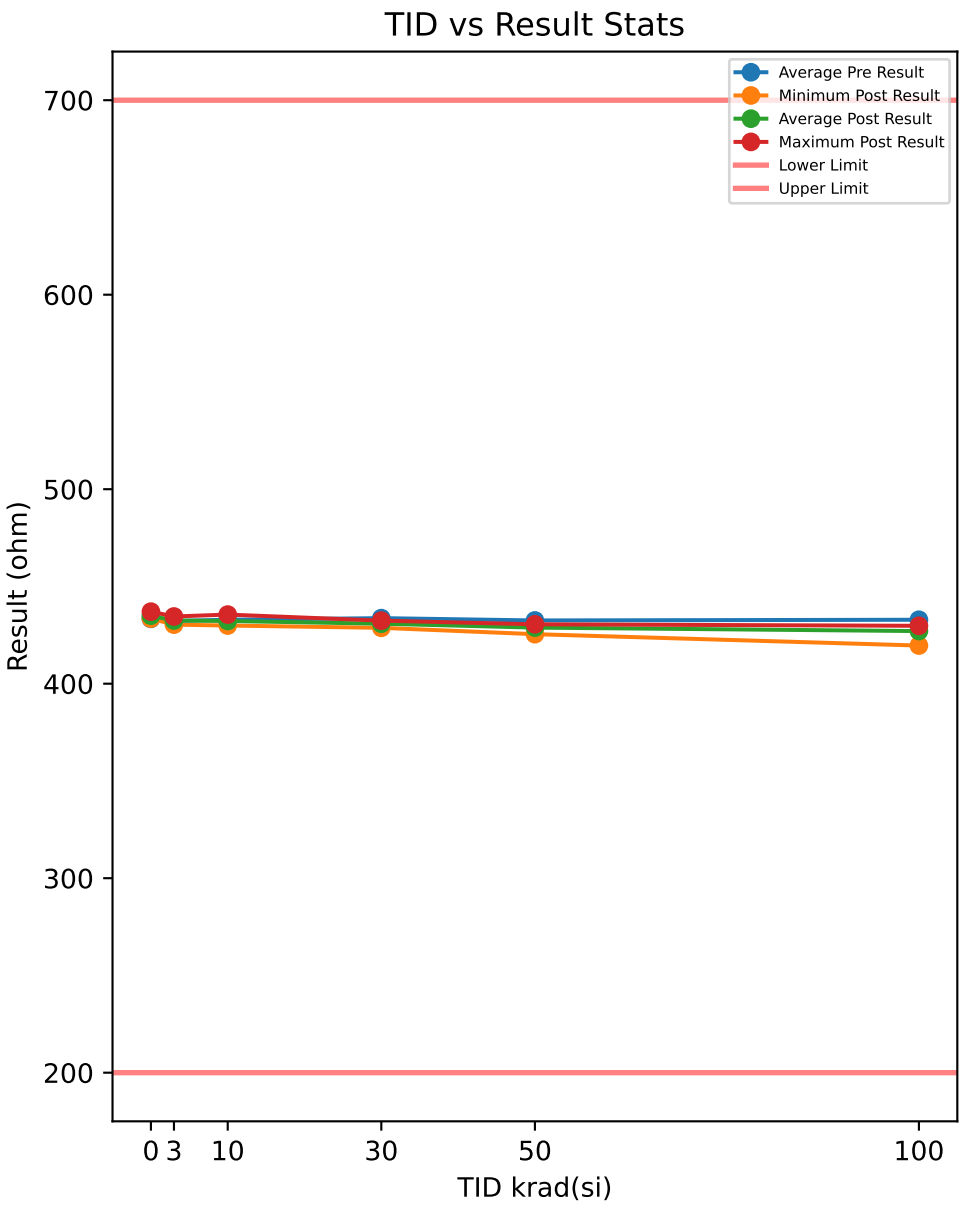
Test Results (Lower Limit = 1.7, Upper Limit = 2.1 (V))

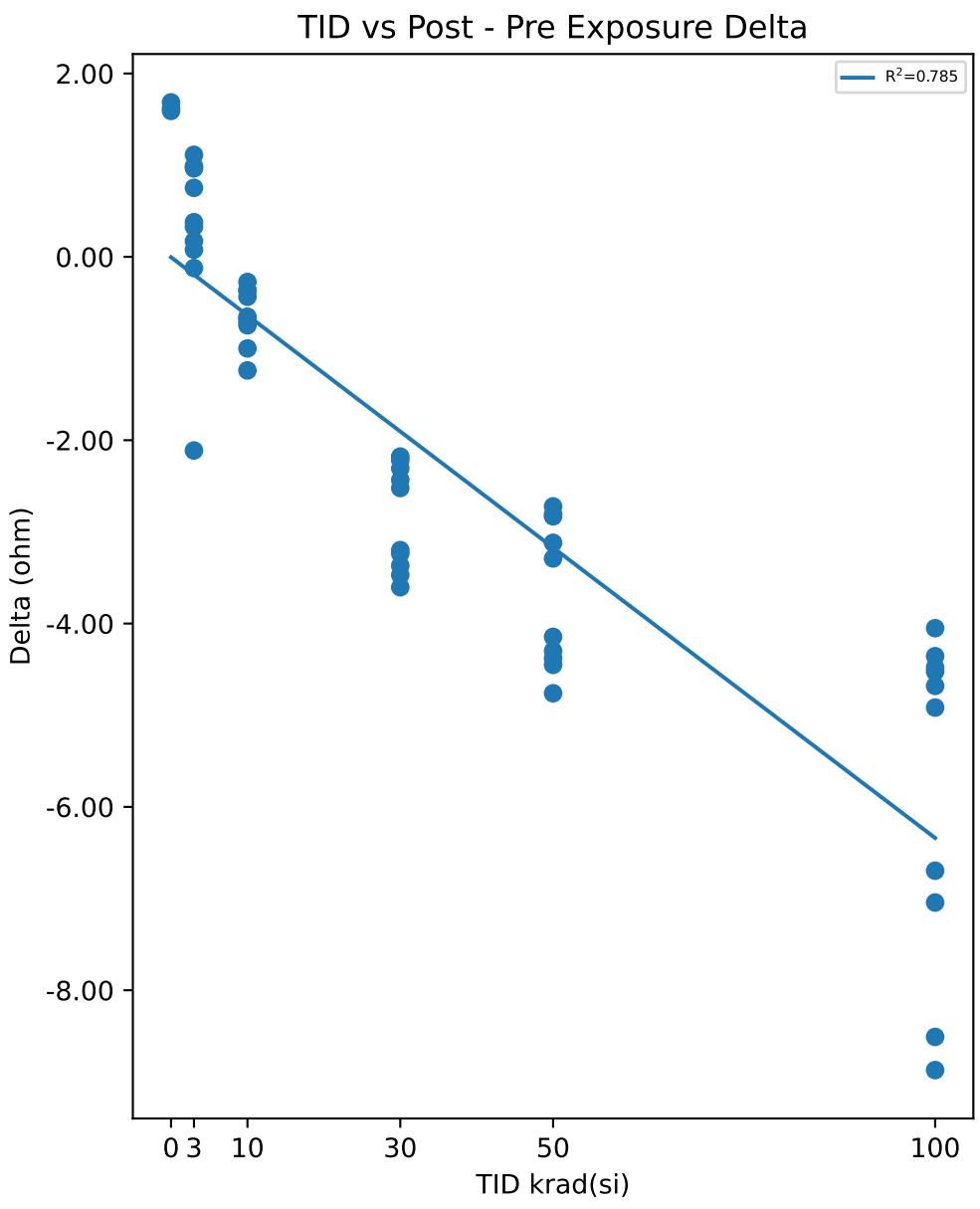
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
390	100	Biased	1.9053	1.9028	-0.0025
392	100	Biased	1.8998	1.9002	0.0004
393	100	Biased	1.9058	1.9053	-0.0005
394	100	Biased	1.9093	1.9103	0.001
395	100	Biased	1.9118	1.9083	-0.0035
412	100	Unbiased	1.8872	1.8892	0.002
413	100	Unbiased	1.9023	1.8972	-0.0051
414	100	Unbiased	1.8882	1.8887	0.0005
415	100	Unbiased	1.8872	1.8867	-0.0005
416	100	Unbiased	1.9028	1.9002	-0.0026
417	50	Biased	1.8957	1.8977	0.002
418	50	Biased	1.9038	1.9023	-0.0015
419	50	Biased	1.8952	1.8932	-0.002
421	50	Biased	1.8957	1.8932	-0.0025
422	50	Biased	1.8957	1.8982	0.0025
423	50	Unbiased	1.8932	1.8932	0
424	50	Unbiased	1.8962	1.8937	-0.0025
425	50	Unbiased	1.8957	1.8967	0.001
426	50	Unbiased	1.9007	1.8977	-0.003
427	50	Unbiased	1.9033	1.9002	-0.0031
463	0	Corr	1.9002	1.8993	-0.0009
464	0	Corr	1.9007	1.8998	-0.0009
465	0	Corr	1.8957	1.8967	0.001
466	30	Biased	1.9028	1.9028	0
469	30	Biased	1.8957	1.8932	-0.0025
470	30	Biased	1.8882	1.8892	0.001
472	30	Biased	1.8957	1.8932	-0.0025
474	30	Biased	1.9007	1.8977	-0.003
475	30	Unbiased	1.9048	1.9048	0
477	30	Unbiased	1.9048	1.9043	-0.0005
478	30	Unbiased	1.8957	1.8932	-0.0025
479	30	Unbiased	1.8957	1.8927	-0.003
480	30	Unbiased	1.8957	1.8977	0.002
481	10	Biased	1.8872	1.8857	-0.0015
482	10	Biased	1.9113	1.9108	-0.0005
483	10	Biased	1.8962	1.8977	0.0015
484	10	Biased	1.8942	1.8912	-0.003
485	10	Biased	1.9043	1.9023	-0.002
487	10	Unbiased	1.9002	1.8977	-0.0025
488	10	Unbiased	1.8957	1.8932	-0.0025
489	10	Unbiased	1.9063	1.9043	-0.002
490	10	Unbiased	1.8872	1.8852	-0.002
491	10	Unbiased	1.8937	1.8927	-0.001
492	3	Biased	1.8962	1.8937	-0.0025
493	3	Biased	1.8912	1.8902	-0.001
494	3	Biased	1.9088	1.9073	-0.0015
495	3	Biased	1.8922	1.8907	-0.0015
496	3	Biased	1.9048	1.9028	-0.002
497	3	Unbiased	1.8998	1.8993	-0.0005
498	3	Unbiased	1.8952	1.8932	-0.002
499	3	Unbiased	1.8907	1.8892	-0.0015
500	3	Unbiased	1.8922	1.8917	-0.0005
502	3	Unbiased	1.8962	1.8982	0.002

Test Statistics (V)

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	1.8957	1.8989	1.9007	0.0027538	1.8967	1.8986	1.8998	0.0016643	-0.0009	-0.00026667	0.001	0.001097
3	1.8907	1.8967	1.9088	0.0060656	1.8892	1.8956	1.9073	0.0060358	-0.0025	-0.0011	0.002	0.0012649
10	1.8872	1.8976	1.9113	0.007914	1.8852	1.8961	1.9108	0.0081502	-0.003	-0.00155	0.0015	0.0013006
30	1.8882	1.898	1.9048	0.0052206	1.8892	1.8969	1.9048	0.00549	-0.003	-0.0011	0.002	0.0018227
50	1.8932	1.8975	1.9038	0.0036817	1.8932	1.8966	1.9023	0.0032237	-0.0031	-0.00091	0.0025	0.0021168
100	1.8872	1.9	1.9118	0.0092348	1.8867	1.8989	1.9103	0.0083515	-0.0051	-0.00108	0.002	0.0022489

Device Test: 22.2 R_SS_DISCHARGE(LEVEL|SINK/SS_TR/4.5////@R_SS_DISCHARGE)





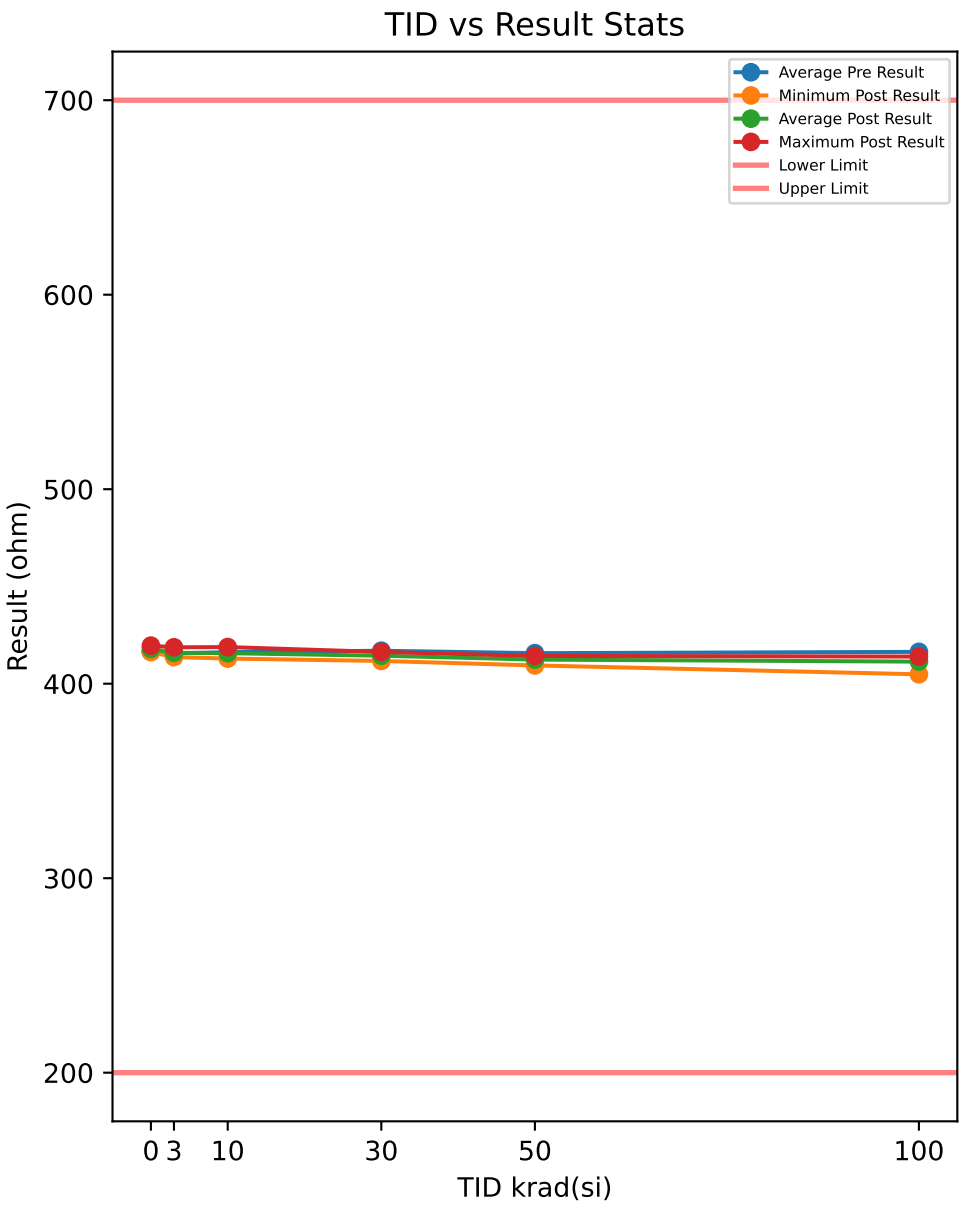
Test Results (Lower Limit = 200.0, Upper Limit = 700.0 (ohm))

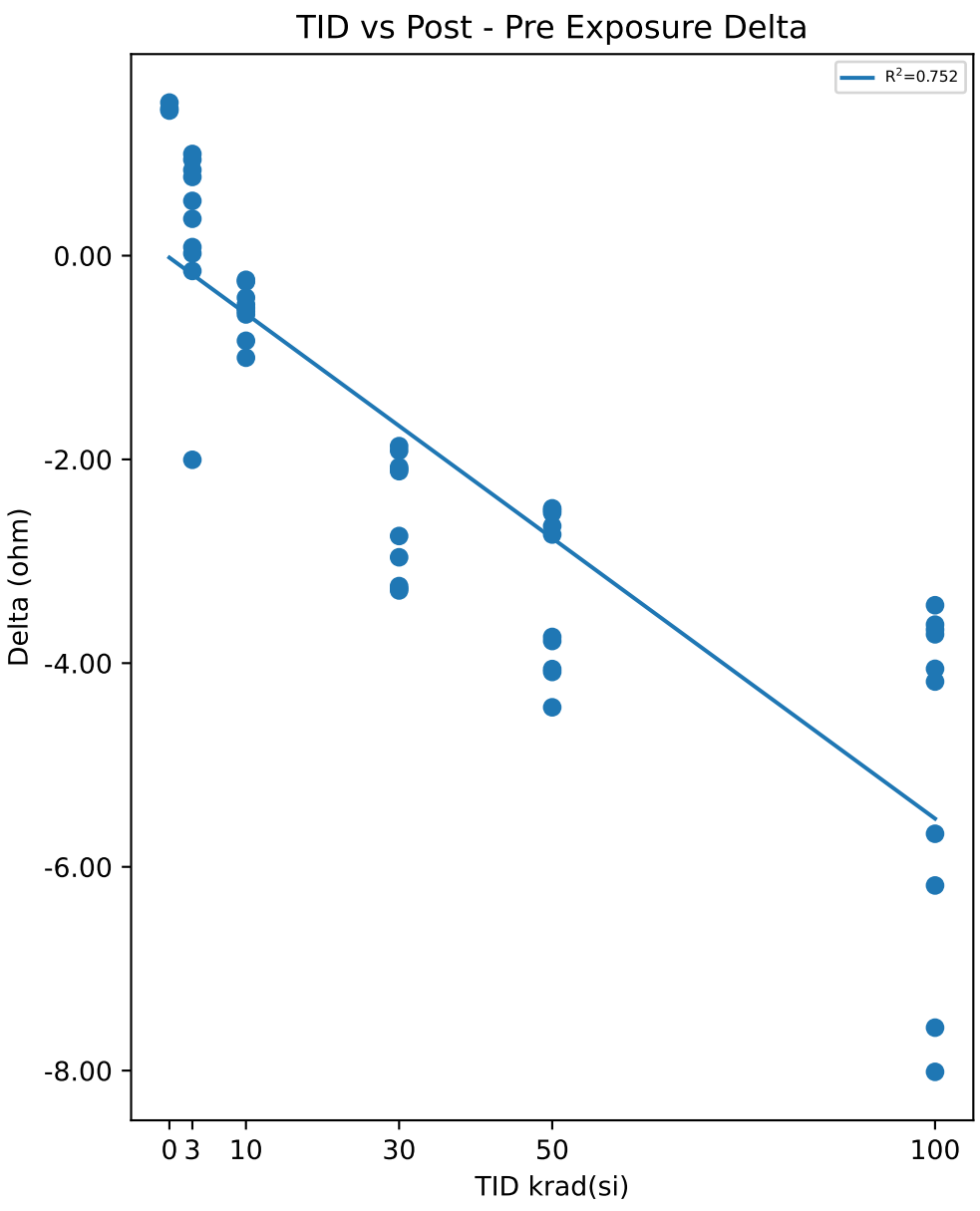
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
390	100	Biased	434.24	429.77	-4.4788
392	100	Biased	433.81	429.28	-4.5235
393	100	Biased	434.49	429.58	-4.9168
394	100	Biased	433.58	429.22	-4.356
395	100	Biased	431.41	427.36	-4.0507
412	100	Unbiased	435.01	427.96	-7.0432
413	100	Unbiased	426.31	419.61	-6.6961
414	100	Unbiased	432	427.32	-4.6803
415	100	Unbiased	435.14	426.63	-8.509
416	100	Unbiased	432.74	423.87	-8.8709
417	50	Biased	433.37	430.54	-2.8307
418	50	Biased	431.95	428.66	-3.2898
419	50	Biased	432.9	429.78	-3.1195
421	50	Biased	430.78	427.97	-2.807
422	50	Biased	433.15	430.43	-2.7221
423	50	Unbiased	435.12	430.36	-4.7607
424	50	Unbiased	429.84	425.46	-4.3787
425	50	Unbiased	432.73	428.28	-4.4507
426	50	Unbiased	432.26	427.96	-4.2988
427	50	Unbiased	433.05	428.91	-4.1452
463	0	Corr	431.77	433.46	1.6848
464	0	Corr	432.82	434.41	1.5919
465	0	Corr	435.42	437.04	1.6214
466	30	Biased	433.86	431.55	-2.3076
469	30	Biased	434.36	431.92	-2.4334
470	30	Biased	434.94	432.42	-2.5217
472	30	Biased	431.73	429.55	-2.1787
474	30	Biased	434.25	432.03	-2.2185
475	30	Unbiased	433.8	430.2	-3.6039
477	30	Unbiased	432.2	428.73	-3.4705
478	30	Unbiased	433.86	430.49	-3.3682
479	30	Unbiased	433.48	430.28	-3.1989
480	30	Unbiased	434.58	431.34	-3.2372
481	10	Biased	432.57	431.57	-0.9992
482	10	Biased	430.61	429.9	-0.71
483	10	Biased	431.8	431.44	-0.3625
484	10	Biased	432.85	432.57	-0.2744
485	10	Biased	432.21	431.54	-0.6733
487	10	Unbiased	434.41	433.17	-1.2389
488	10	Unbiased	435.83	435.39	-0.4351
489	10	Unbiased	431.53	430.88	-0.6532
490	10	Unbiased	436.28	435.54	-0.7469
491	10	Unbiased	430.63	430.27	-0.3677
492	3	Biased	432.29	432.67	0.3782
493	3	Biased	433.8	434.55	0.7528
494	3	Biased	431.62	432.59	0.9651
495	3	Biased	432.5	433.61	1.1129
496	3	Biased	433.03	434.02	0.989
497	3	Unbiased	433.46	433.33	-0.1222
498	3	Unbiased	431.23	431.31	0.0781
499	3	Unbiased	431.64	431.81	0.1715
500	3	Unbiased	430.39	430.72	0.3274
502	3	Unbiased	432.49	430.37	-2.1124

Test Statistics (ohm)

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	431.77	433.34	435.42	1.8783	433.46	434.97	437.04	1.8564	1.5919	1.6327	1.6848	0.04747
3	430.39	432.24	433.8	1.0453	430.37	432.5	434.55	1.4164	-2.1124	0.25404	1.1129	0.93288
10	430.61	432.87	436.28	2.0096	429.9	432.23	435.54	1.9606	-1.2389	-0.64612	-0.2744	0.304
30	431.73	433.71	434.94	1.0157	428.73	430.85	432.42	1.1933	-3.6039	-2.8539	-2.1787	0.56944
50	429.84	432.52	435.12	1.4522	425.46	428.84	430.54	1.5607	-4.7607	-3.6803	-2.7221	0.797
100	426.31	432.87	435.14	2.6162	419.61	427.06	429.77	3.1642	-8.8709	-5.8125	-4.0507	1.8157

Device Test: 22.20 R_SS_DISCHARGE(LEVEL|SINK/SS_TR/14////@R_SS_DISCHARGE)





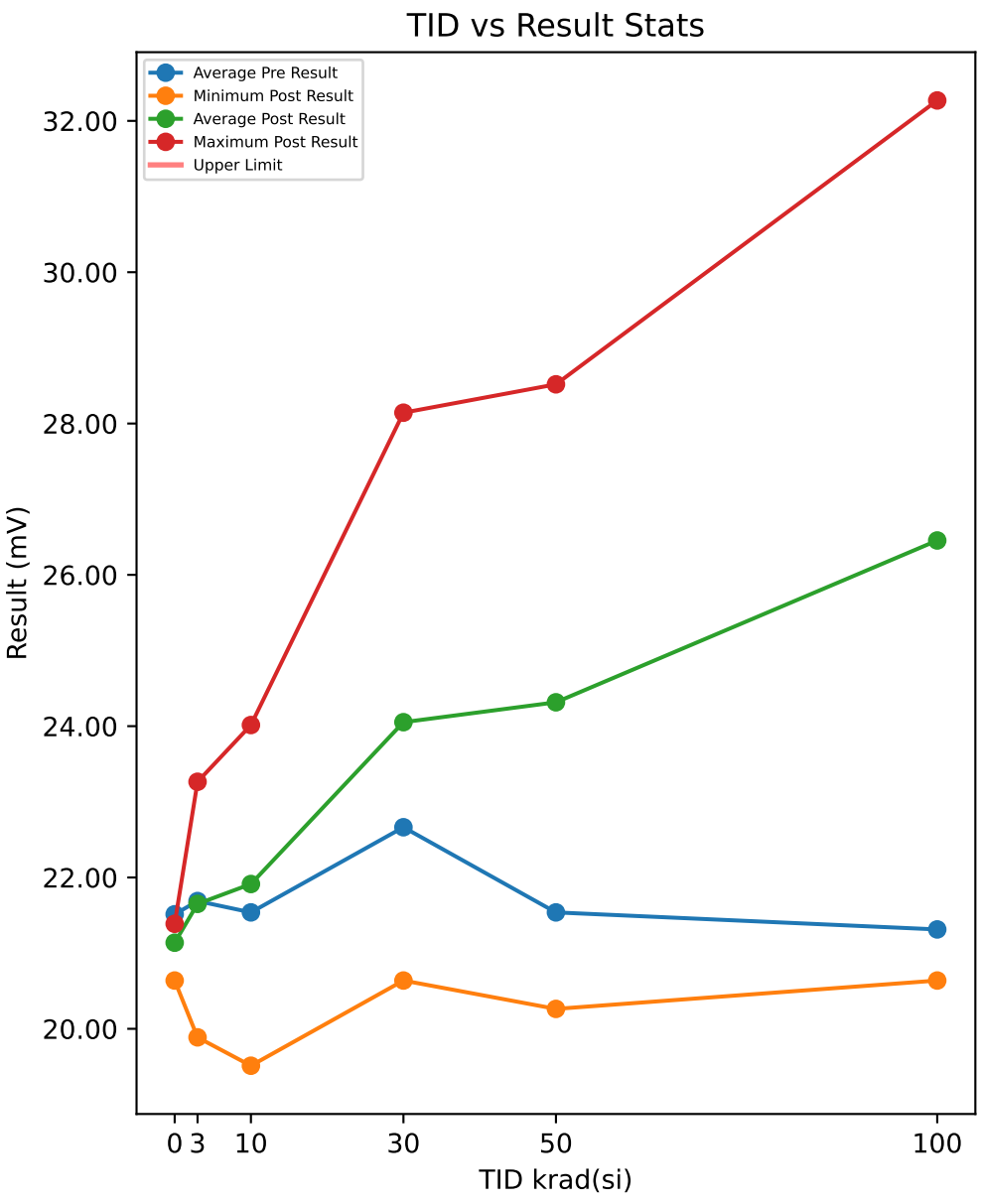
Test Results (Lower Limit = 200.0, Upper Limit = 700.0 (ohm))

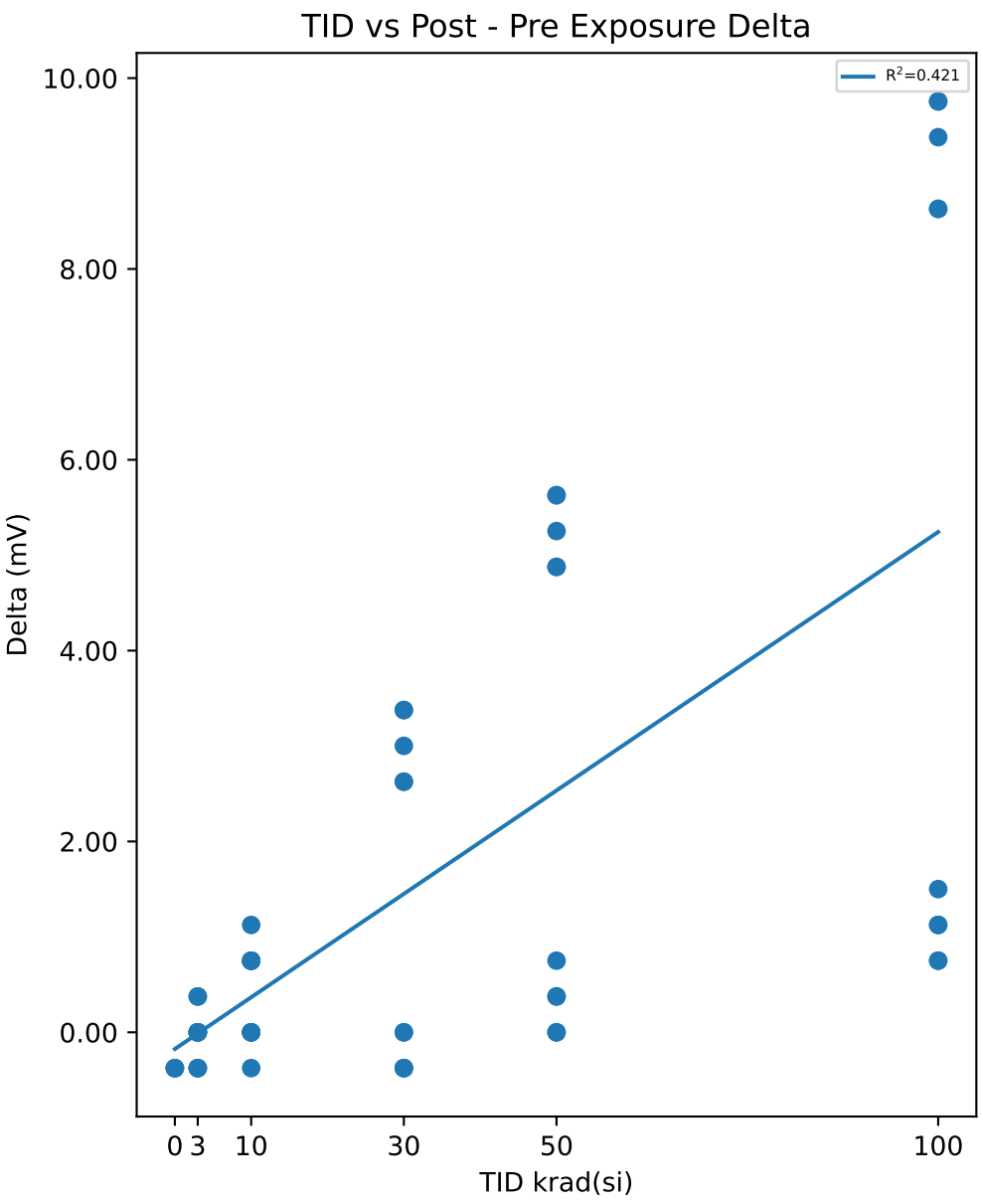
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
390	100	Biased	417.57	413.95	-3.6219
392	100	Biased	417.67	413.96	-3.7172
393	100	Biased	417.9	413.84	-4.0558
394	100	Biased	416.71	413.04	-3.671
395	100	Biased	415.24	411.81	-3.4317
412	100	Unbiased	418.19	412.01	-6.1827
413	100	Unbiased	410.51	404.83	-5.6752
414	100	Unbiased	415.43	411.25	-4.1809
415	100	Unbiased	417.87	410.29	-7.5786
416	100	Unbiased	416.54	408.52	-8.0124
417	50	Biased	416.73	414.25	-2.4804
418	50	Biased	415.34	412.6	-2.7375
419	50	Biased	415.86	413.2	-2.6544
421	50	Biased	414.29	411.79	-2.5006
422	50	Biased	416.31	413.79	-2.5254
423	50	Unbiased	417.59	413.16	-4.4337
424	50	Unbiased	413.45	409.4	-4.058
425	50	Unbiased	415.59	411.5	-4.0867
426	50	Unbiased	415.36	411.58	-3.7826
427	50	Unbiased	416.47	412.73	-3.7428
463	0	Corr	414.77	416.27	1.5031
464	0	Corr	416.37	417.81	1.445
465	0	Corr	418.13	419.56	1.4243
466	30	Biased	417.01	414.94	-2.0751
469	30	Biased	417.6	415.48	-2.1157
470	30	Biased	418.42	416.32	-2.0953
472	30	Biased	415.25	413.34	-1.9143
474	30	Biased	417.16	415.29	-1.8695
475	30	Unbiased	416.39	413.14	-3.2437
477	30	Unbiased	414.96	411.69	-3.2687
478	30	Unbiased	417.25	413.96	-3.2867
479	30	Unbiased	417.03	414.28	-2.7519
480	30	Unbiased	418.41	415.45	-2.9609
481	10	Biased	416.14	415.3	-0.8355
482	10	Biased	413.5	412.93	-0.577
483	10	Biased	415.53	415.3	-0.2372
484	10	Biased	416.68	416.42	-0.2542
485	10	Biased	415.51	415.04	-0.4798
487	10	Unbiased	417.81	416.81	-1.0018
488	10	Unbiased	418.71	418.19	-0.5217
489	10	Unbiased	415.11	414.6	-0.5066
490	10	Unbiased	419.36	418.82	-0.5448
491	10	Unbiased	413.69	413.28	-0.4124
492	3	Biased	415.56	416.1	0.5378
493	3	Biased	417.93	418.7	0.7726
494	3	Biased	414.99	415.84	0.8415
495	3	Biased	416.22	417.22	0.9986
496	3	Biased	416.01	416.95	0.9427
497	3	Unbiased	416.84	416.69	-0.15
498	3	Unbiased	414.4	414.49	0.084
499	3	Unbiased	414.7	414.73	0.022
500	3	Unbiased	413.31	413.67	0.3622
502	3	Unbiased	416.51	414.51	-2.0039

Test Statistics (ohm)

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	414.77	416.42	418.13	1.6814	416.27	417.88	419.56	1.6424	1.4243	1.4575	1.5031	0.040852
3	413.31	415.65	417.93	1.3405	413.67	415.89	418.7	1.551	-2.0039	0.24075	0.9986	0.88678
10	413.5	416.21	419.36	1.9667	412.93	415.67	418.82	1.9204	-1.0018	-0.5371	-0.2372	0.2349
30	414.96	416.95	418.42	1.1546	411.69	414.39	416.32	1.3853	-3.2867	-2.5582	-1.8695	0.59977
50	413.45	415.7	417.59	1.198	409.4	412.4	414.25	1.3977	-4.4337	-3.3002	-2.4804	0.7854
100	410.51	416.36	418.19	2.3033	404.83	411.35	413.96	2.8845	-8.0124	-5.0127	-3.4317	1.7292

Device Test: 22.21 V_SS_START(LEVEL|STATIC/SS_TR/14////@V_SS_START)





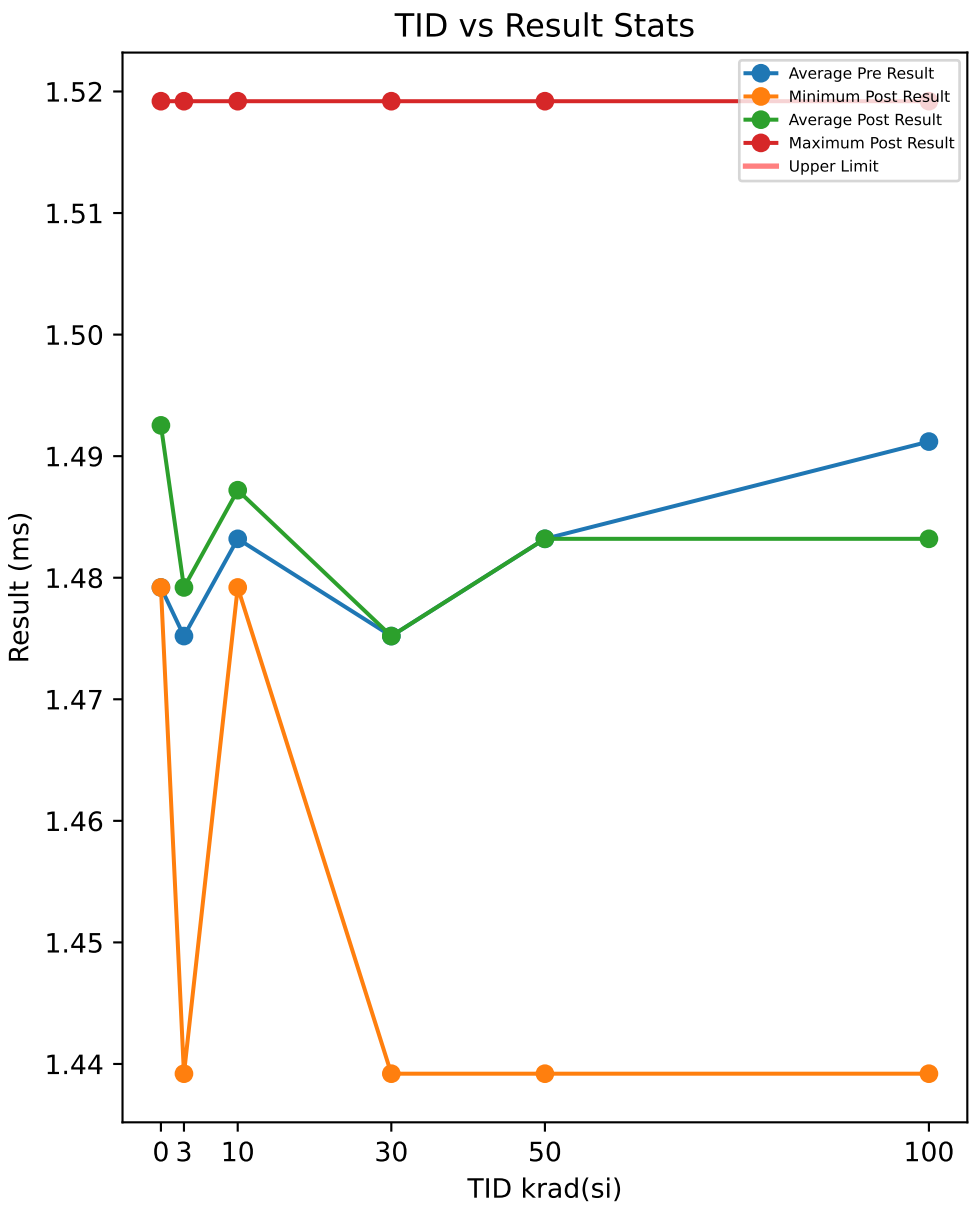
Test Results (No Limits Specified (mV))

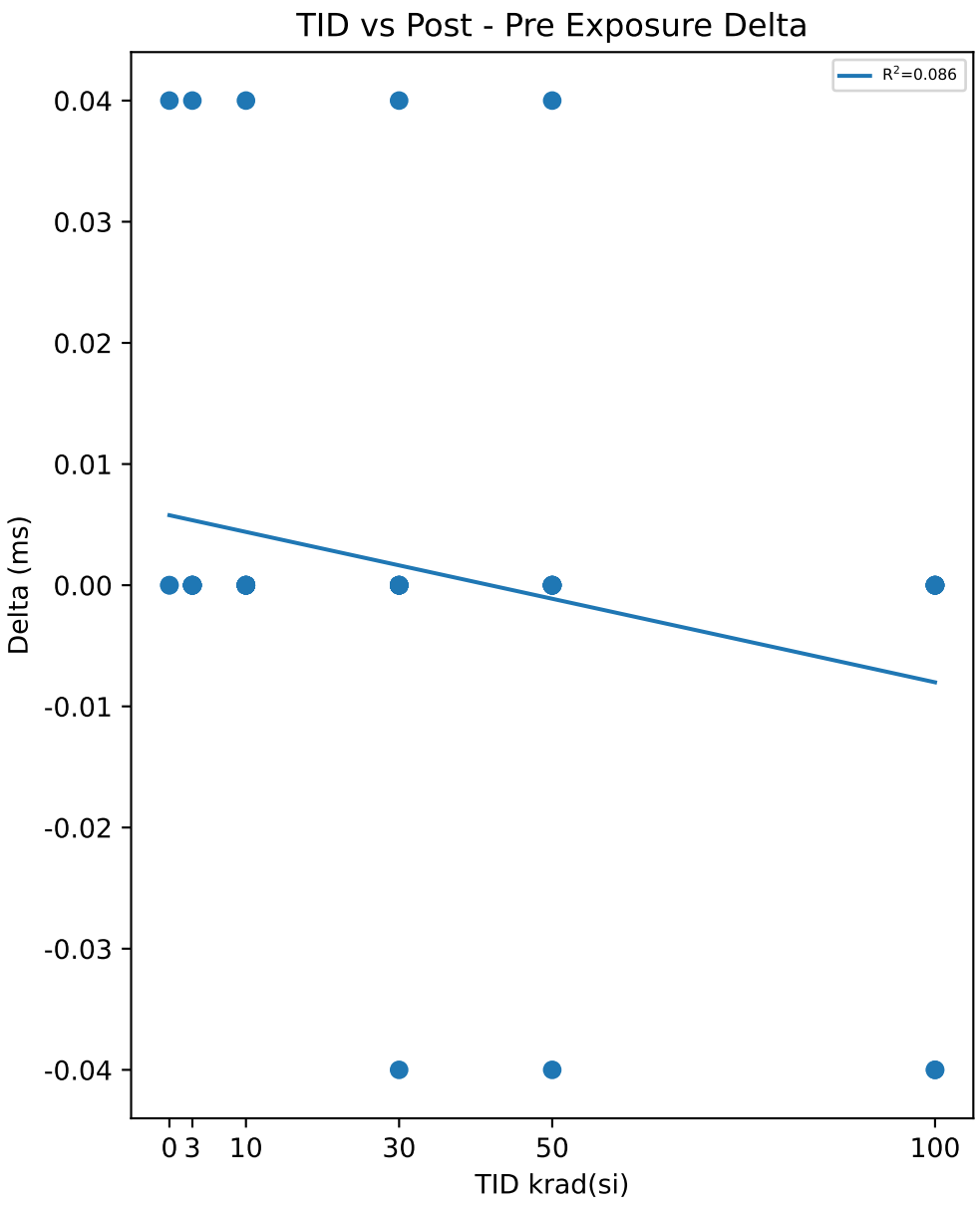
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
390	100	Biased	21.764	31.52	9.756
392	100	Biased	23.64	32.27	8.63
393	100	Biased	19.887	29.644	9.757
394	100	Biased	21.764	30.394	8.63
395	100	Biased	18.762	28.143	9.381
412	100	Unbiased	19.887	20.638	0.751
413	100	Unbiased	21.764	23.265	1.501
414	100	Unbiased	21.388	22.514	1.126
415	100	Unbiased	23.265	24.39	1.125
416	100	Unbiased	21.013	21.764	0.751
417	50	Biased	22.889	28.518	5.629
418	50	Biased	21.764	26.642	4.878
419	50	Biased	21.388	27.017	5.629
421	50	Biased	22.139	27.392	5.253
422	50	Biased	19.512	24.39	4.878
423	50	Unbiased	22.889	23.265	0.376
424	50	Unbiased	20.263	20.263	0
425	50	Unbiased	22.514	23.265	0.751
426	50	Unbiased	20.638	20.638	0
427	50	Unbiased	21.388	21.764	0.376
463	0	Corr	21.764	21.388	-0.376
464	0	Corr	21.764	21.388	-0.376
465	0	Corr	21.013	20.638	-0.375
466	30	Biased	21.764	25.141	3.377
469	30	Biased	22.514	25.141	2.627
470	30	Biased	24.765	28.143	3.378
472	30	Biased	22.514	25.516	3.002
474	30	Biased	23.265	25.891	2.626
475	30	Unbiased	21.388	21.388	0
477	30	Unbiased	21.013	20.638	-0.375
478	30	Unbiased	24.015	23.64	-0.375
479	30	Unbiased	22.889	22.514	-0.375
480	30	Unbiased	22.514	22.514	0
481	10	Biased	23.265	24.015	0.75
482	10	Biased	21.764	22.514	0.75
483	10	Biased	20.263	21.013	0.75
484	10	Biased	20.263	21.388	1.125
485	10	Biased	21.764	22.514	0.75
487	10	Unbiased	19.887	19.512	-0.375
488	10	Unbiased	23.265	23.265	0
489	10	Unbiased	19.887	19.887	0
490	10	Unbiased	22.889	22.889	0
491	10	Unbiased	22.139	22.139	0
492	3	Biased	23.265	23.265	0
493	3	Biased	21.764	21.764	0
494	3	Biased	22.514	22.889	0.375
495	3	Biased	19.887	19.887	0
496	3	Biased	21.388	21.764	0.376
497	3	Unbiased	20.263	19.887	-0.376
498	3	Unbiased	21.013	21.013	0
499	3	Unbiased	21.013	21.013	0
500	3	Unbiased	23.64	23.265	-0.375
502	3	Unbiased	22.139	21.764	-0.375

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	21.013	21.514	21.764	0.43359	20.638	21.138	21.388	0.43301	-0.376	-0.37567	-0.375	0.00057735
3	19.887	21.689	23.64	1.2231	19.887	21.651	23.265	1.2391	-0.376	-0.0375	0.376	0.277
10	19.887	21.539	23.265	1.3726	19.512	21.914	24.015	1.4502	-0.375	0.375	1.125	0.5
30	21.013	22.664	24.765	1.149	20.638	24.053	28.143	2.3163	-0.375	1.3885	3.378	1.7245
50	19.512	21.538	22.889	1.1353	20.263	24.315	28.518	2.9535	0	2.777	5.629	2.6307
100	18.762	21.313	23.64	1.5094	20.638	26.454	32.27	4.3947	0.751	5.1408	9.757	4.333

Device Test: 22.22 T_SS_5P6NF(TIMING|STARTUP/SS_TR/14////@T_SS_5P6NF)





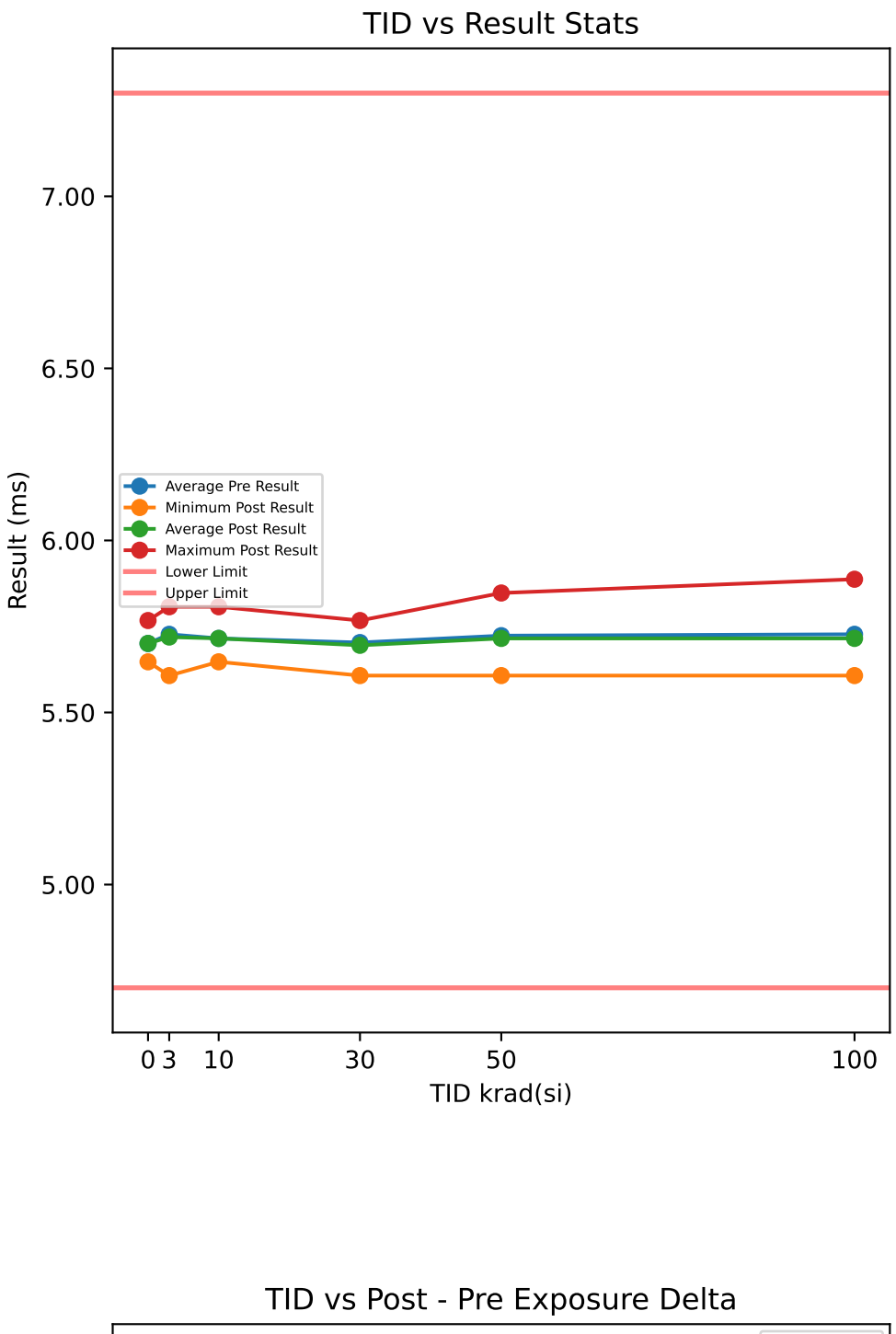
Test Results (No Limits Specified (ms))

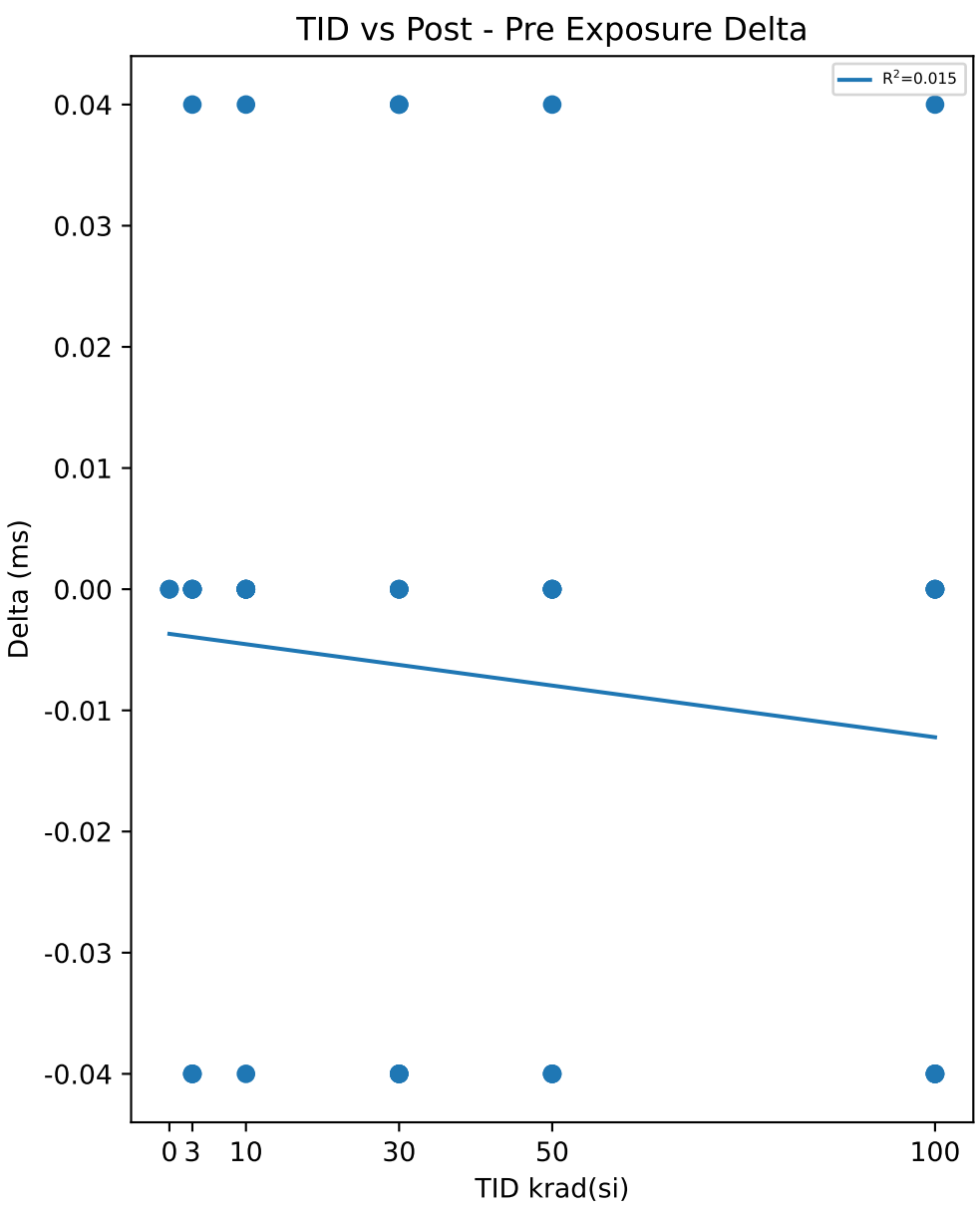
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
390	100	Biased	1.4792	1.4792	0
392	100	Biased	1.4792	1.4792	0
393	100	Biased	1.4792	1.4792	0
394	100	Biased	1.4792	1.4392	-0.04
395	100	Biased	1.4792	1.4792	0
412	100	Unbiased	1.4792	1.4792	0
413	100	Unbiased	1.5192	1.5192	0
414	100	Unbiased	1.4792	1.4792	0
415	100	Unbiased	1.5192	1.5192	0
416	100	Unbiased	1.5192	1.4792	-0.04
417	50	Biased	1.4792	1.4792	0
418	50	Biased	1.4792	1.4792	0
419	50	Biased	1.4792	1.4792	0
421	50	Biased	1.4792	1.5192	0.04
422	50	Biased	1.4792	1.4392	-0.04
423	50	Unbiased	1.4792	1.4792	0
424	50	Unbiased	1.5192	1.5192	0
425	50	Unbiased	1.4792	1.4792	0
426	50	Unbiased	1.4392	1.4392	0
427	50	Unbiased	1.5192	1.5192	0
463	0	Corr	1.4792	1.5192	0.04
464	0	Corr	1.4792	1.4792	0
465	0	Corr	1.4792	1.4792	0
466	30	Biased	1.4792	1.4792	0
469	30	Biased	1.4792	1.4392	-0.04
470	30	Biased	1.4792	1.4792	0
472	30	Biased	1.4792	1.4792	0
474	30	Biased	1.4792	1.4792	0
475	30	Unbiased	1.4792	1.4792	0
477	30	Unbiased	1.4792	1.4792	0
478	30	Unbiased	1.4392	1.4392	0
479	30	Unbiased	1.4792	1.5192	0.04
480	30	Unbiased	1.4792	1.4792	0
481	10	Biased	1.4792	1.4792	0
482	10	Biased	1.4792	1.4792	0
483	10	Biased	1.5192	1.5192	0
484	10	Biased	1.4792	1.4792	0
485	10	Biased	1.4792	1.5192	0.04
487	10	Unbiased	1.4792	1.4792	0
488	10	Unbiased	1.4792	1.4792	0
489	10	Unbiased	1.4792	1.4792	0
490	10	Unbiased	1.4792	1.4792	0
491	10	Unbiased	1.4792	1.4792	0
492	3	Biased	1.4792	1.4792	0
493	3	Biased	1.4792	1.4792	0
494	3	Biased	1.4792	1.4792	0
495	3	Biased	1.4392	1.4392	0
496	3	Biased	1.4792	1.4792	0
497	3	Unbiased	1.4792	1.4792	0
498	3	Unbiased	1.4792	1.4792	0
499	3	Unbiased	1.4792	1.4792	0
500	3	Unbiased	1.4792	1.4792	0
502	3	Unbiased	1.4792	1.5192	0.04

Test Statistics (ms)

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	1.4792	1.4792	1.4792	0	1.4792	1.4925	1.5192	0.023094	0	0.013333	0.04	0.023094
3	1.4392	1.4752	1.4792	0.012649	1.4392	1.4792	1.5192	0.018856	0	0.004	0.04	0.012649
10	1.4792	1.4832	1.5192	0.012649	1.4792	1.4872	1.5192	0.016865	0	0.004	0.04	0.012649
30	1.4392	1.4752	1.4792	0.012649	1.4392	1.4752	1.5192	0.022706	-0.04	0	0.04	0.018856
50	1.4392	1.4832	1.5192	0.022706	1.4392	1.4832	1.5192	0.029515	-0.04	0	0.04	0.018856
100	1.4792	1.4912	1.5192	0.019322	1.4392	1.4832	1.5192	0.022706	-0.04	-0.008	0	0.016865

Device Test: 22.23 T_SS_22NF(TIMING|STARTUP/SS_TR/14////@T_SS_22NF)





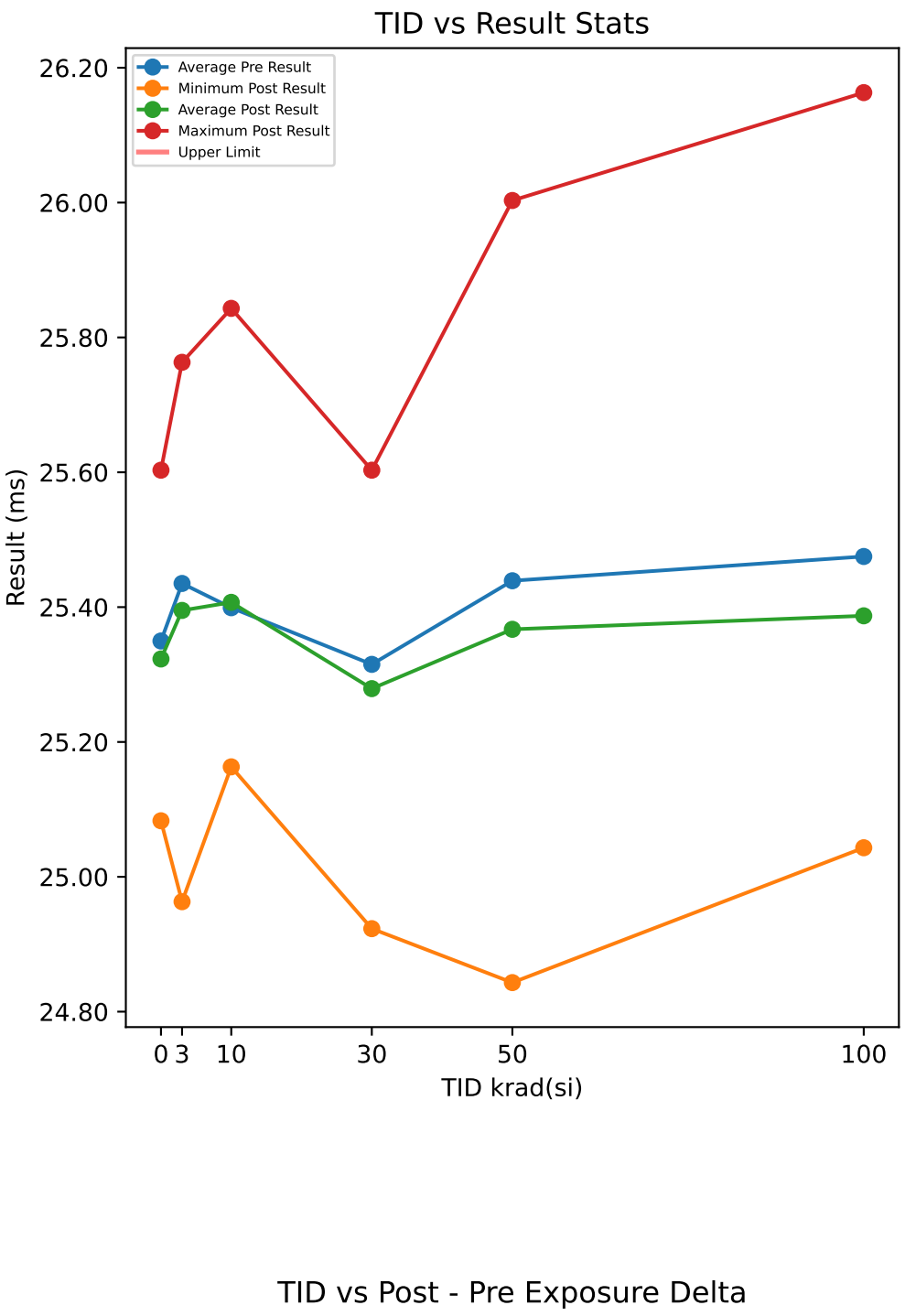
Test Results (Lower Limit = 4.7, Upper Limit = 7.3 (ms))

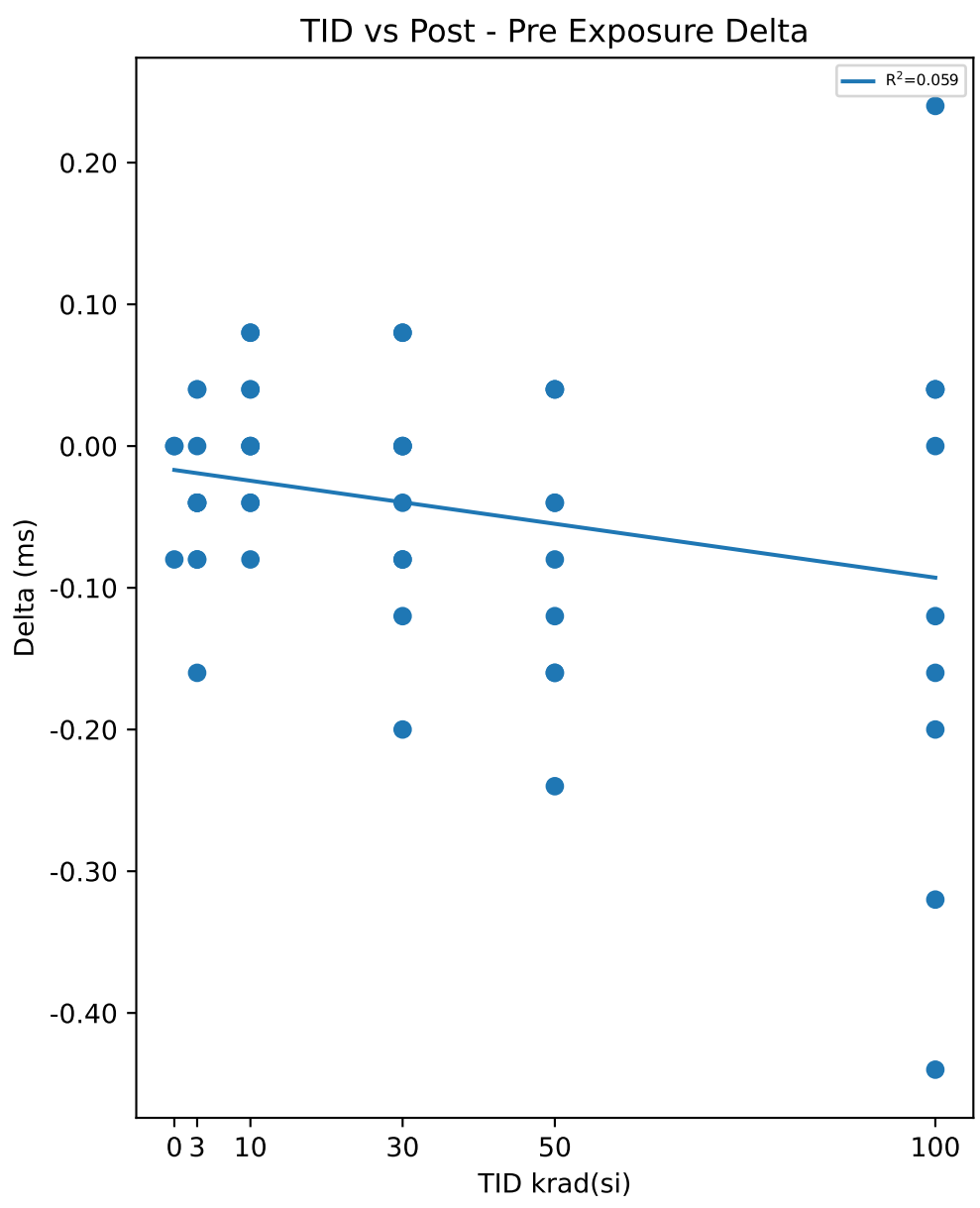
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
390	100	Biased	5.6873	5.6873	0
392	100	Biased	5.6873	5.6473	-0.04
393	100	Biased	5.7273	5.7273	0
394	100	Biased	5.6473	5.6073	-0.04
395	100	Biased	5.7273	5.6873	-0.04
412	100	Unbiased	5.7273	5.7273	0
413	100	Unbiased	5.8473	5.8873	0.04
414	100	Unbiased	5.6473	5.6473	0
415	100	Unbiased	5.7673	5.7673	0
416	100	Unbiased	5.8073	5.7673	-0.04
417	50	Biased	5.6473	5.6473	0
418	50	Biased	5.7273	5.6873	-0.04
419	50	Biased	5.6473	5.6873	0.04
421	50	Biased	5.7673	5.7673	0
422	50	Biased	5.6873	5.6473	-0.04
423	50	Unbiased	5.7673	5.7673	0
424	50	Unbiased	5.8473	5.8073	-0.04
425	50	Unbiased	5.6873	5.6873	0
426	50	Unbiased	5.6073	5.6073	0
427	50	Unbiased	5.8473	5.8473	0
463	0	Corr	5.7673	5.7673	0
464	0	Corr	5.6473	5.6473	0
465	0	Corr	5.6873	5.6873	0
466	30	Biased	5.6873	5.6873	0
469	30	Biased	5.7273	5.6873	-0.04
470	30	Biased	5.7273	5.7273	0
472	30	Biased	5.6873	5.6873	0
474	30	Biased	5.6873	5.6873	0
475	30	Unbiased	5.7273	5.6873	-0.04
477	30	Unbiased	5.7673	5.7273	-0.04
478	30	Unbiased	5.5673	5.6073	0.04
479	30	Unbiased	5.7273	5.7673	0.04
480	30	Unbiased	5.7273	5.6873	-0.04
481	10	Biased	5.6873	5.6873	0
482	10	Biased	5.6473	5.6473	0
483	10	Biased	5.8073	5.8073	0
484	10	Biased	5.7673	5.7673	0
485	10	Biased	5.7673	5.8073	0.04
487	10	Unbiased	5.6473	5.6473	0
488	10	Unbiased	5.7273	5.7273	0
489	10	Unbiased	5.6873	5.6873	0
490	10	Unbiased	5.6873	5.6873	0
491	10	Unbiased	5.7273	5.6873	-0.04
492	3	Biased	5.7673	5.7673	0
493	3	Biased	5.7673	5.7673	0
494	3	Biased	5.7673	5.7673	0
495	3	Biased	5.6473	5.6073	-0.04
496	3	Biased	5.6873	5.6873	0
497	3	Unbiased	5.6873	5.7273	0.04
498	3	Unbiased	5.7273	5.6873	-0.04
499	3	Unbiased	5.6873	5.6873	0
500	3	Unbiased	5.7273	5.6873	-0.04
502	3	Unbiased	5.8073	5.8073	0

Test Statistics (ms)

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	5.6473	5.7006	5.7673	0.061101	5.6473	5.7006	5.7673	0.061101	0	0	0	0
3	5.6473	5.7273	5.8073	0.049889	5.6073	5.7193	5.8073	0.059029	-0.04	-0.008	0.04	0.025298
10	5.6473	5.7153	5.8073	0.0535	5.6473	5.7153	5.8073	0.059777	-0.04	-8.8818e-17	0.04	0.018856
30	5.5673	5.7033	5.7673	0.053996	5.6073	5.6953	5.7673	0.041312	-0.04	-0.008	0.04	0.031552
50	5.6073	5.7233	5.8473	0.08316	5.6073	5.7153	5.8473	0.07786	-0.04	-0.008	0.04	0.025298
100	5.6473	5.7273	5.8473	0.06532	5.6073	5.7153	5.8873	0.080111	-0.04	-0.012	0.04	0.026998

Device Test: 22.24 T_SS_100NF(TIMING|STARTUP/SS_TR/14////@T_SS_100NF)





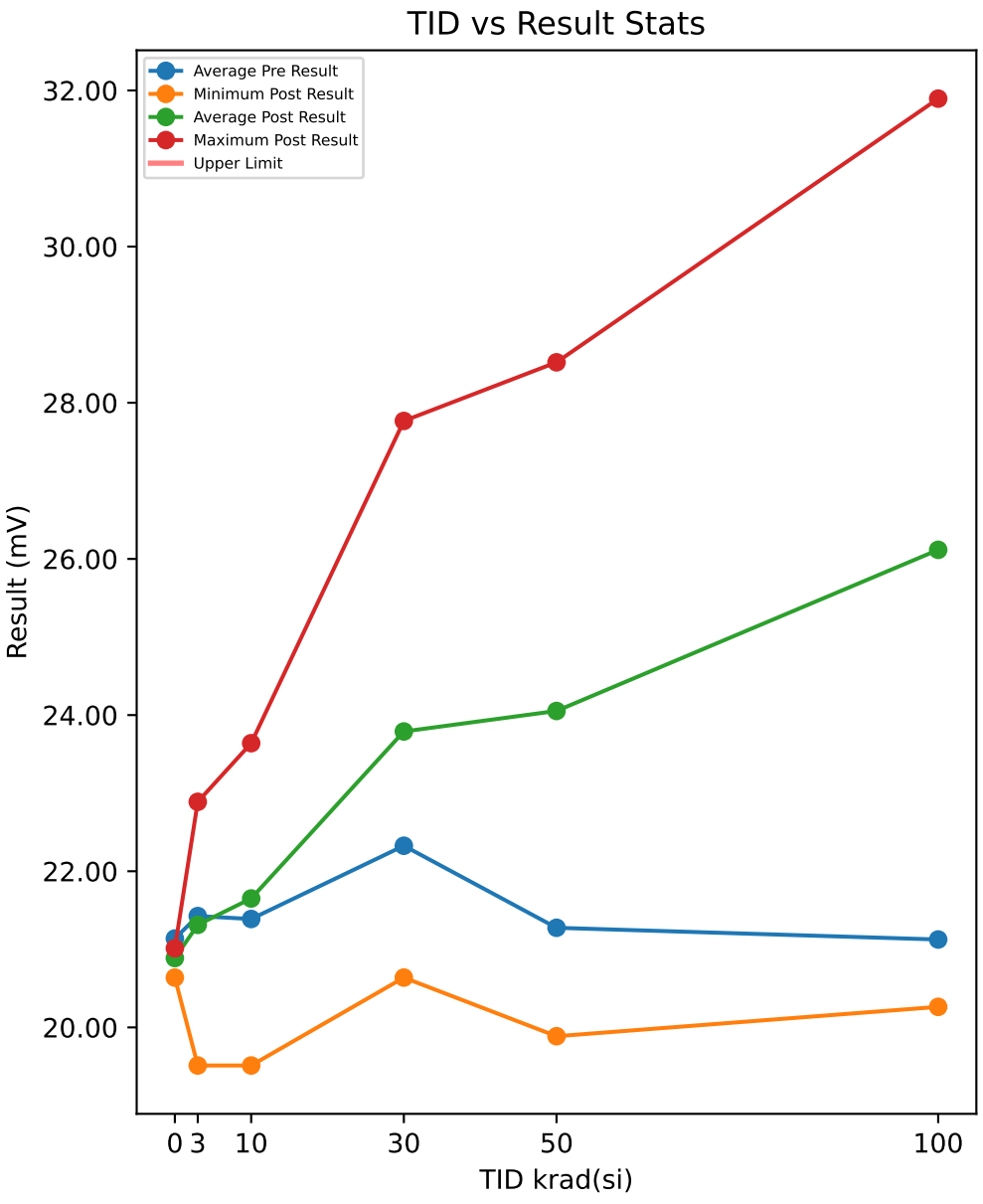
Test Results (No Limits Specified (ms))

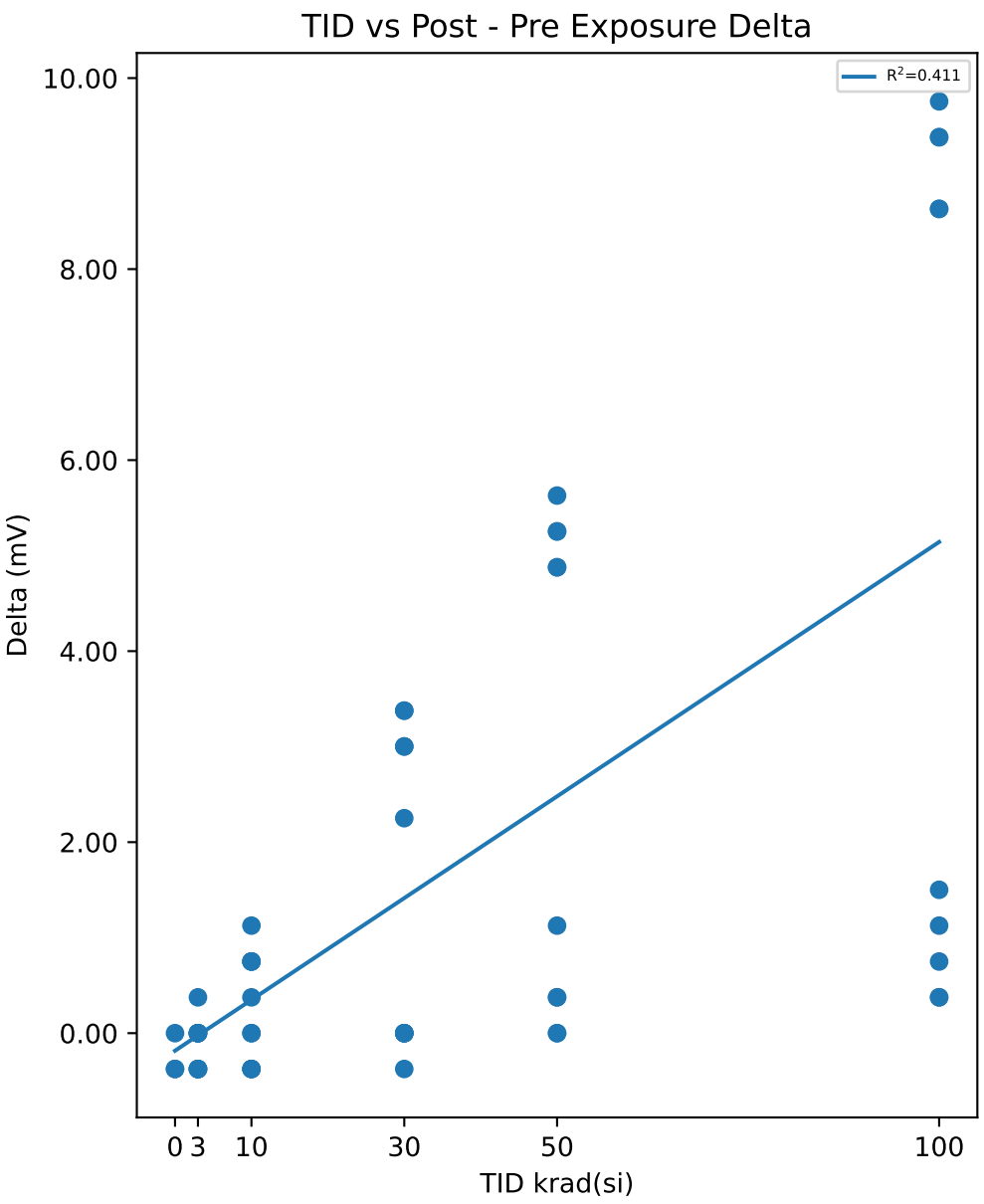
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
390	100	Biased	25.283	25.083	-0.2
392	100	Biased	25.363	25.043	-0.32
393	100	Biased	25.563	25.443	-0.12
394	100	Biased	25.203	25.043	-0.16
395	100	Biased	25.323	25.363	0.04
412	100	Unbiased	25.483	25.523	0.04
413	100	Unbiased	25.923	26.163	0.24
414	100	Unbiased	25.043	25.043	0
415	100	Unbiased	25.643	25.683	0.04
416	100	Unbiased	25.923	25.483	-0.44
417	50	Biased	25.163	25.003	-0.16
418	50	Biased	25.323	25.203	-0.12
419	50	Biased	25.243	25.203	-0.04
421	50	Biased	25.643	25.683	0.04
422	50	Biased	25.243	25.003	-0.24
423	50	Unbiased	25.643	25.683	0.04
424	50	Unbiased	25.843	25.763	-0.08
425	50	Unbiased	25.323	25.283	-0.04
426	50	Unbiased	25.003	24.843	-0.16
427	50	Unbiased	25.963	26.003	0.04
463	0	Corr	25.603	25.603	0
464	0	Corr	25.083	25.083	0
465	0	Corr	25.363	25.283	-0.08
466	30	Biased	25.163	25.163	0
469	30	Biased	25.283	25.163	-0.12
470	30	Biased	25.483	25.283	-0.2
472	30	Biased	25.323	25.243	-0.08
474	30	Biased	25.283	25.283	0
475	30	Unbiased	25.323	25.243	-0.08
477	30	Unbiased	25.523	25.523	0
478	30	Unbiased	24.843	24.923	0.08
479	30	Unbiased	25.523	25.603	0.08
480	30	Unbiased	25.403	25.363	-0.04
481	10	Biased	25.323	25.243	-0.08
482	10	Biased	25.163	25.163	0
483	10	Biased	25.763	25.843	0.08
484	10	Biased	25.563	25.523	-0.04
485	10	Biased	25.803	25.763	-0.04
487	10	Unbiased	25.203	25.203	0
488	10	Unbiased	25.483	25.483	0
489	10	Unbiased	25.163	25.243	0.08
490	10	Unbiased	25.243	25.283	0.04
491	10	Unbiased	25.283	25.323	0.04
492	3	Biased	25.603	25.563	-0.04
493	3	Biased	25.563	25.563	0
494	3	Biased	25.643	25.603	-0.04
495	3	Biased	25.043	24.963	-0.08
496	3	Biased	25.323	25.283	-0.04
497	3	Unbiased	25.403	25.323	-0.08
498	3	Unbiased	25.443	25.283	-0.16
499	3	Unbiased	25.243	25.283	0.04
500	3	Unbiased	25.363	25.323	-0.04
502	3	Unbiased	25.723	25.763	0.04

Test Statistics (ms)

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	25.083	25.35	25.603	0.26026	25.083	25.323	25.603	0.2623	-0.08	-0.026667	0	0.046188
3	25.043	25.435	25.723	0.20552	24.963	25.395	25.763	0.22846	-0.16	-0.04	0.04	0.059628
10	25.163	25.399	25.803	0.24107	25.163	25.407	25.843	0.23885	-0.08	0.008	0.08	0.052662
30	24.843	25.315	25.523	0.20291	24.923	25.279	25.603	0.19086	-0.2	-0.036	0.08	0.087331
50	25.003	25.439	25.963	0.31465	24.843	25.367	26.003	0.38894	-0.24	-0.072	0.04	0.097616
100	25.043	25.475	25.923	0.29261	25.043	25.387	26.163	0.36035	-0.44	-0.088	0.24	0.20027

Device Test: 22.3 V_SS_START(LEVEL|STATIC/SS_TR/4.5////@V_SS_START)





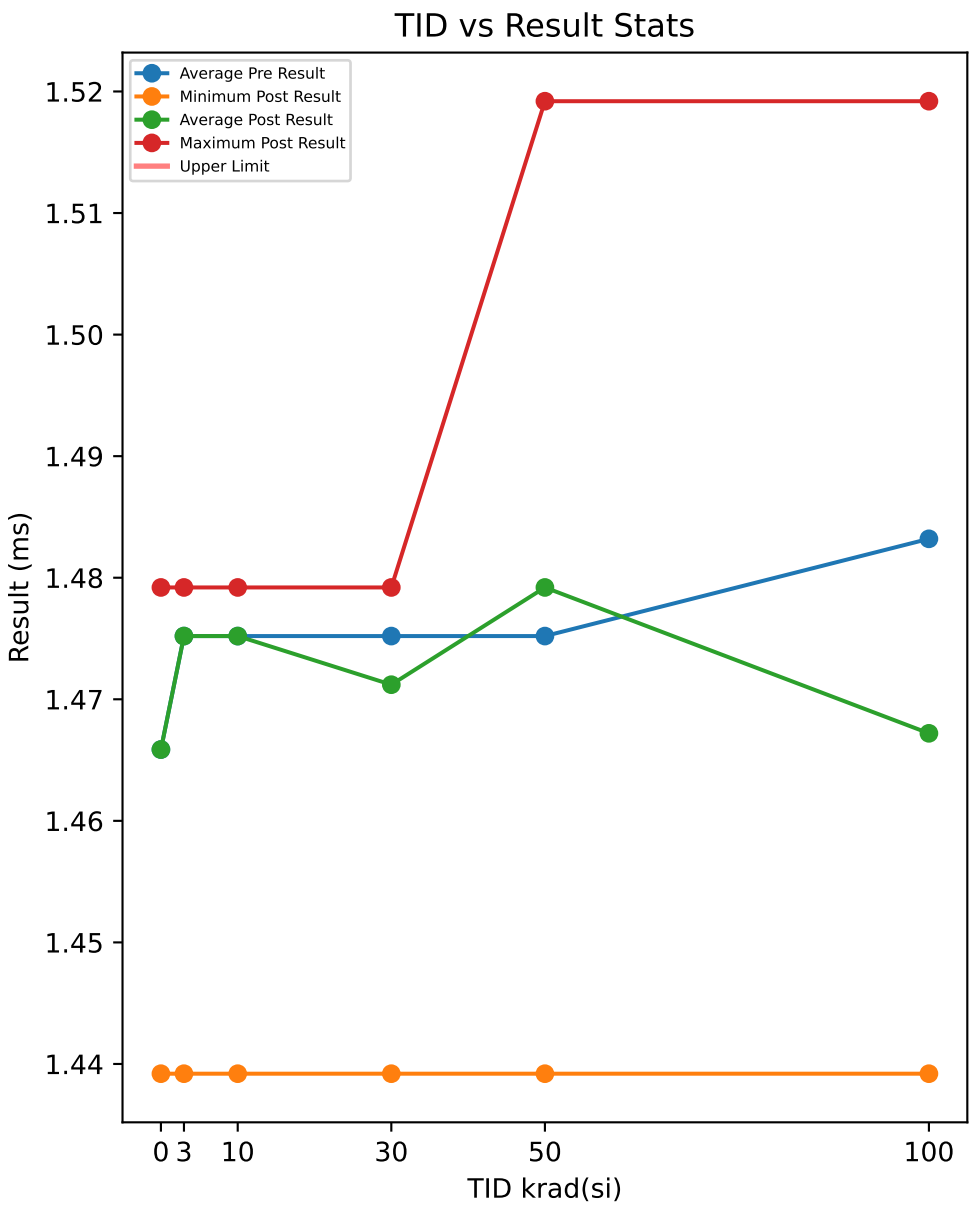
Test Results (No Limits Specified (mV))

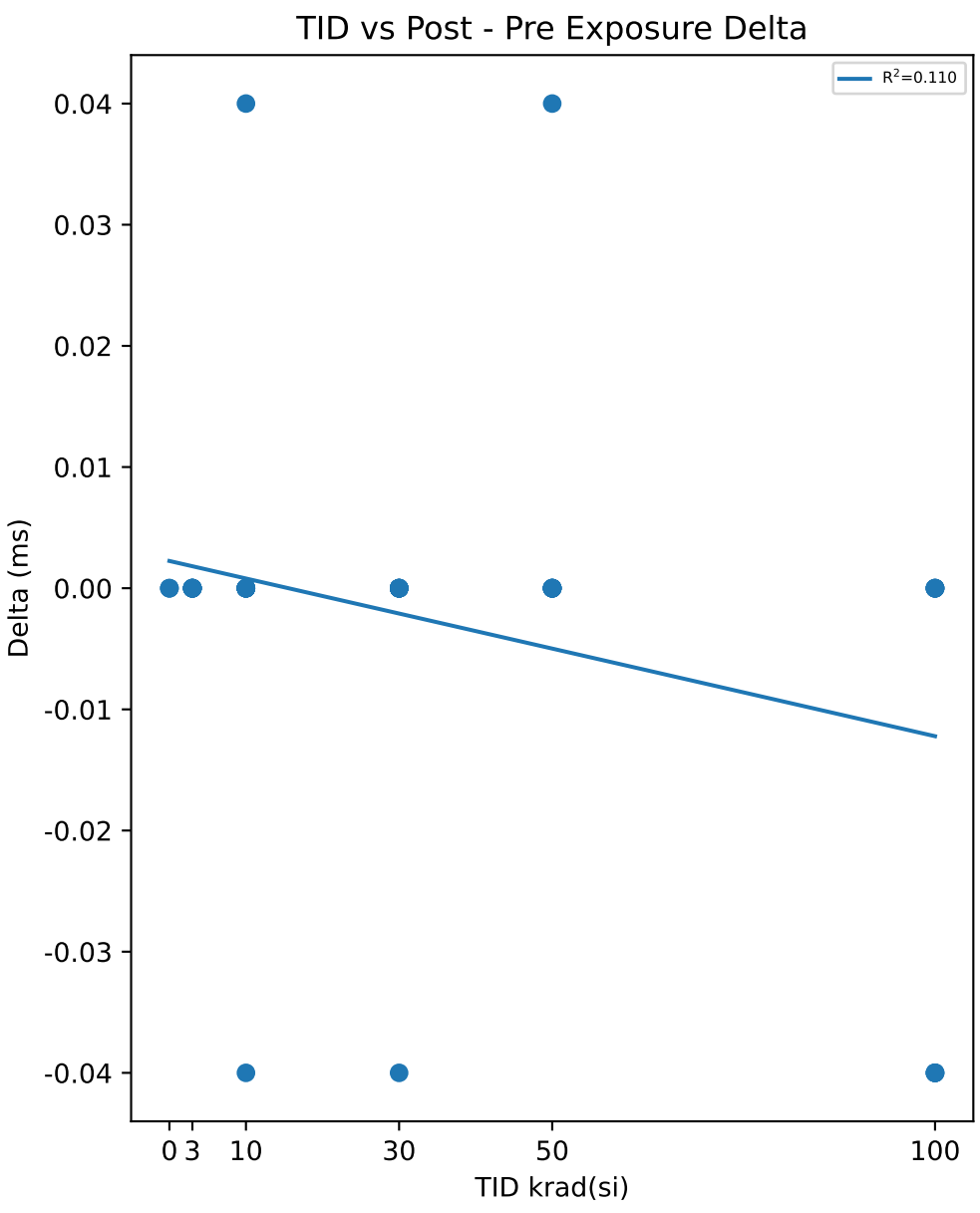
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
390	100	Biased	21.764	31.52	9.756
392	100	Biased	23.265	31.895	8.63
393	100	Biased	19.887	29.268	9.381
394	100	Biased	21.388	30.019	8.631
395	100	Biased	18.386	27.767	9.381
412	100	Unbiased	19.887	20.263	0.376
413	100	Unbiased	21.388	22.889	1.501
414	100	Unbiased	21.013	22.139	1.126
415	100	Unbiased	23.265	24.015	0.75
416	100	Unbiased	21.013	21.388	0.375
417	50	Biased	22.889	28.518	5.629
418	50	Biased	21.388	26.266	4.878
419	50	Biased	21.388	26.642	5.254
421	50	Biased	21.764	27.017	5.253
422	50	Biased	19.137	24.015	4.878
423	50	Unbiased	22.514	22.889	0.375
424	50	Unbiased	19.887	19.887	0
425	50	Unbiased	22.139	23.265	1.126
426	50	Unbiased	20.263	20.263	0
427	50	Unbiased	21.388	21.764	0.376
463	0	Corr	21.388	21.013	-0.375
464	0	Corr	21.388	21.013	-0.375
465	0	Corr	20.638	20.638	0
466	30	Biased	21.388	24.765	3.377
469	30	Biased	22.139	25.141	3.002
470	30	Biased	24.39	27.767	3.377
472	30	Biased	22.139	25.141	3.002
474	30	Biased	23.265	25.516	2.251
475	30	Unbiased	21.013	21.013	0
477	30	Unbiased	20.638	20.638	0
478	30	Unbiased	23.64	23.265	-0.375
479	30	Unbiased	22.514	22.514	0
480	30	Unbiased	22.139	22.139	0
481	10	Biased	23.265	23.64	0.375
482	10	Biased	21.764	22.514	0.75
483	10	Biased	19.887	20.638	0.751
484	10	Biased	20.263	21.013	0.75
485	10	Biased	21.388	22.514	1.126
487	10	Unbiased	19.887	19.512	-0.375
488	10	Unbiased	22.889	22.889	0
489	10	Unbiased	19.887	19.512	-0.375
490	10	Unbiased	22.889	22.514	-0.375
491	10	Unbiased	21.764	21.764	0
492	3	Biased	22.889	22.889	0
493	3	Biased	21.388	21.388	0
494	3	Biased	22.139	22.514	0.375
495	3	Biased	19.512	19.512	0
496	3	Biased	21.388	21.388	0
497	3	Unbiased	19.887	19.887	0
498	3	Unbiased	21.013	20.638	-0.375
499	3	Unbiased	21.013	20.638	-0.375
500	3	Unbiased	23.265	22.889	-0.376
502	3	Unbiased	21.764	21.388	-0.376

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	20.638	21.138	21.388	0.43301	20.638	20.888	21.013	0.21651	-0.375	-0.25	0	0.21651
3	19.512	21.426	23.265	1.1795	19.512	21.313	22.889	1.1839	-0.376	-0.1127	0.375	0.25334
10	19.887	21.388	23.265	1.3473	19.512	21.651	23.64	1.4267	-0.375	0.2627	1.126	0.56068
30	20.638	22.326	24.39	1.1767	20.638	23.79	27.767	2.2527	-0.375	1.4634	3.377	1.6541
50	19.137	21.276	22.889	1.1872	19.887	24.053	28.518	2.9676	0	2.7769	5.629	2.5585
100	18.386	21.126	23.265	1.5018	20.263	26.116	31.895	4.4441	0.375	4.9907	9.756	4.4153

Device Test: 22.4 T_SS_5P6NF(TIMING|STARTUP/SS_TR/4.5////@T_SS_5P6NF)





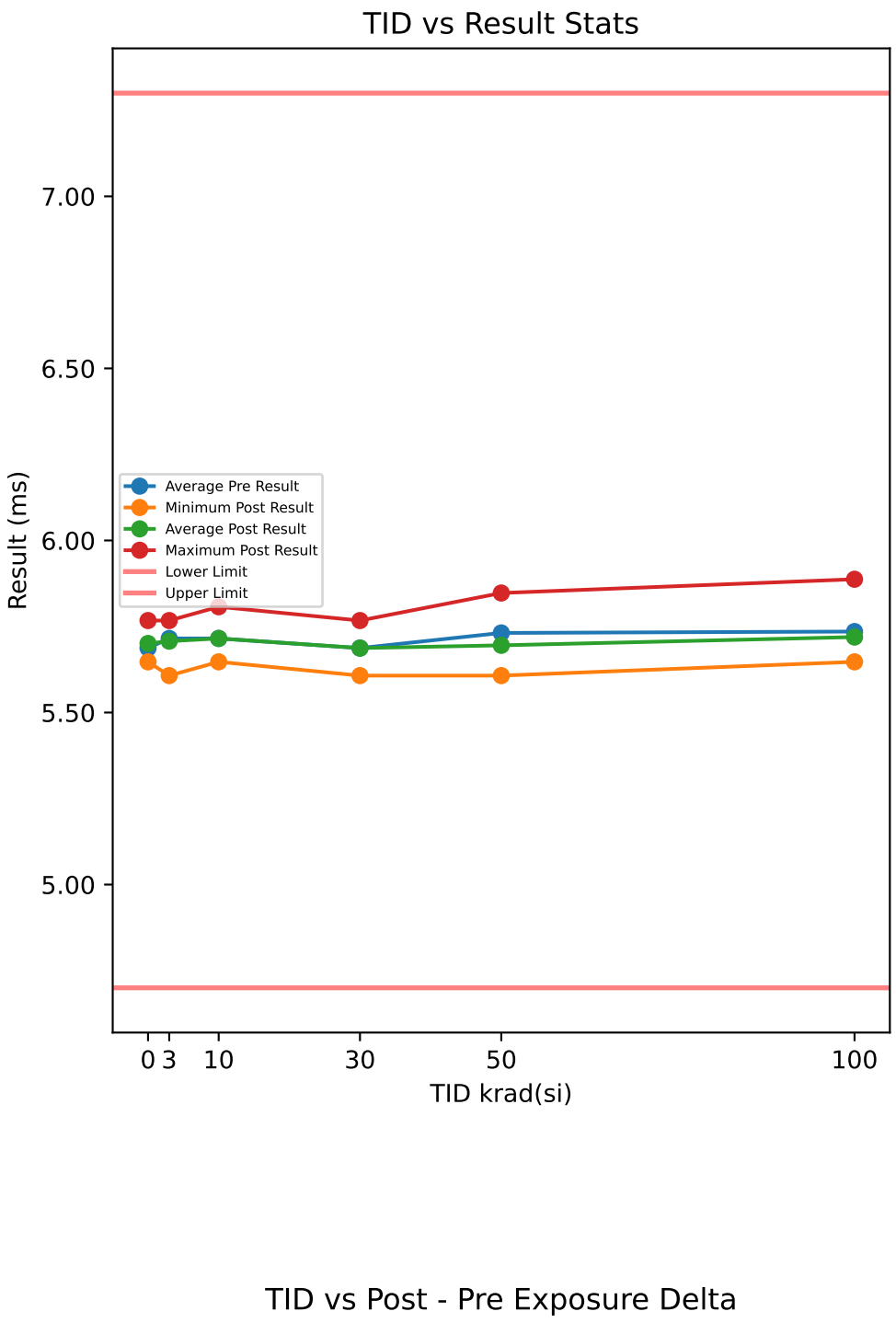
Test Results (No Limits Specified (ms))

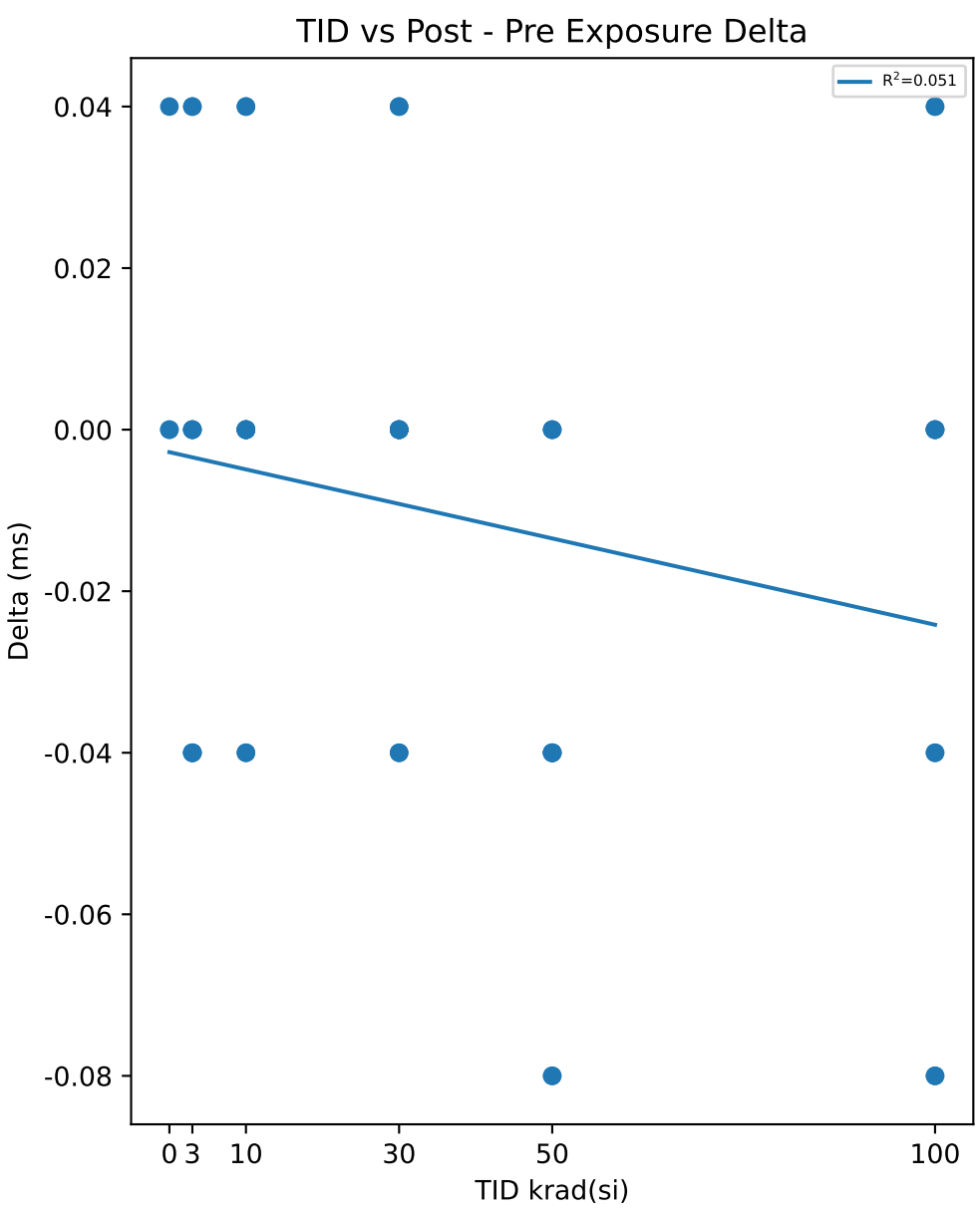
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
390	100	Biased	1.4792	1.4392	-0.04
392	100	Biased	1.4792	1.4392	-0.04
393	100	Biased	1.4792	1.4792	0
394	100	Biased	1.4792	1.4392	-0.04
395	100	Biased	1.4792	1.4792	0
412	100	Unbiased	1.4792	1.4792	0
413	100	Unbiased	1.5192	1.5192	0
414	100	Unbiased	1.4392	1.4392	0
415	100	Unbiased	1.4792	1.4792	0
416	100	Unbiased	1.5192	1.4792	-0.04
417	50	Biased	1.4392	1.4392	0
418	50	Biased	1.4792	1.4792	0
419	50	Biased	1.4792	1.4792	0
421	50	Biased	1.4792	1.5192	0.04
422	50	Biased	1.4392	1.4392	0
423	50	Unbiased	1.4792	1.4792	0
424	50	Unbiased	1.5192	1.5192	0
425	50	Unbiased	1.4792	1.4792	0
426	50	Unbiased	1.4392	1.4392	0
427	50	Unbiased	1.5192	1.5192	0
463	0	Corr	1.4792	1.4792	0
464	0	Corr	1.4392	1.4392	0
465	0	Corr	1.4792	1.4792	0
466	30	Biased	1.4792	1.4792	0
469	30	Biased	1.4792	1.4392	-0.04
470	30	Biased	1.4792	1.4792	0
472	30	Biased	1.4792	1.4792	0
474	30	Biased	1.4792	1.4792	0
475	30	Unbiased	1.4792	1.4792	0
477	30	Unbiased	1.4792	1.4792	0
478	30	Unbiased	1.4392	1.4392	0
479	30	Unbiased	1.4792	1.4792	0
480	30	Unbiased	1.4792	1.4792	0
481	10	Biased	1.4792	1.4792	0
482	10	Biased	1.4792	1.4392	-0.04
483	10	Biased	1.4792	1.4792	0
484	10	Biased	1.4792	1.4792	0
485	10	Biased	1.4792	1.4792	0
487	10	Unbiased	1.4792	1.4792	0
488	10	Unbiased	1.4792	1.4792	0
489	10	Unbiased	1.4392	1.4792	0.04
490	10	Unbiased	1.4792	1.4792	0
491	10	Unbiased	1.4792	1.4792	0
492	3	Biased	1.4792	1.4792	0
493	3	Biased	1.4792	1.4792	0
494	3	Biased	1.4792	1.4792	0
495	3	Biased	1.4392	1.4392	0
496	3	Biased	1.4792	1.4792	0
497	3	Unbiased	1.4792	1.4792	0
498	3	Unbiased	1.4792	1.4792	0
499	3	Unbiased	1.4792	1.4792	0
500	3	Unbiased	1.4792	1.4792	0
502	3	Unbiased	1.4792	1.4792	0

Test Statistics (ms)

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	1.4392	1.4659	1.4792	0.023094	1.4392	1.4659	1.4792	0.023094	0	0	0	0
3	1.4392	1.4752	1.4792	0.012649	1.4392	1.4752	1.4792	0.012649	0	0	0	0
10	1.4392	1.4752	1.4792	0.012649	1.4392	1.4752	1.4792	0.012649	-0.04	0	0.04	0.018856
30	1.4392	1.4752	1.4792	0.012649	1.4392	1.4712	1.4792	0.016865	-0.04	-0.004	0	0.012649
50	1.4392	1.4752	1.5192	0.029515	1.4392	1.4792	1.5192	0.03266	0	0.004	0.04	0.012649
100	1.4392	1.4832	1.5192	0.022706	1.4392	1.4672	1.5192	0.026998	-0.04	-0.016	0	0.020656

Device Test: 22.5 T_SS_22NF(TIMING|STARTUP/SS_TR/4.5////@T_SS_22NF)





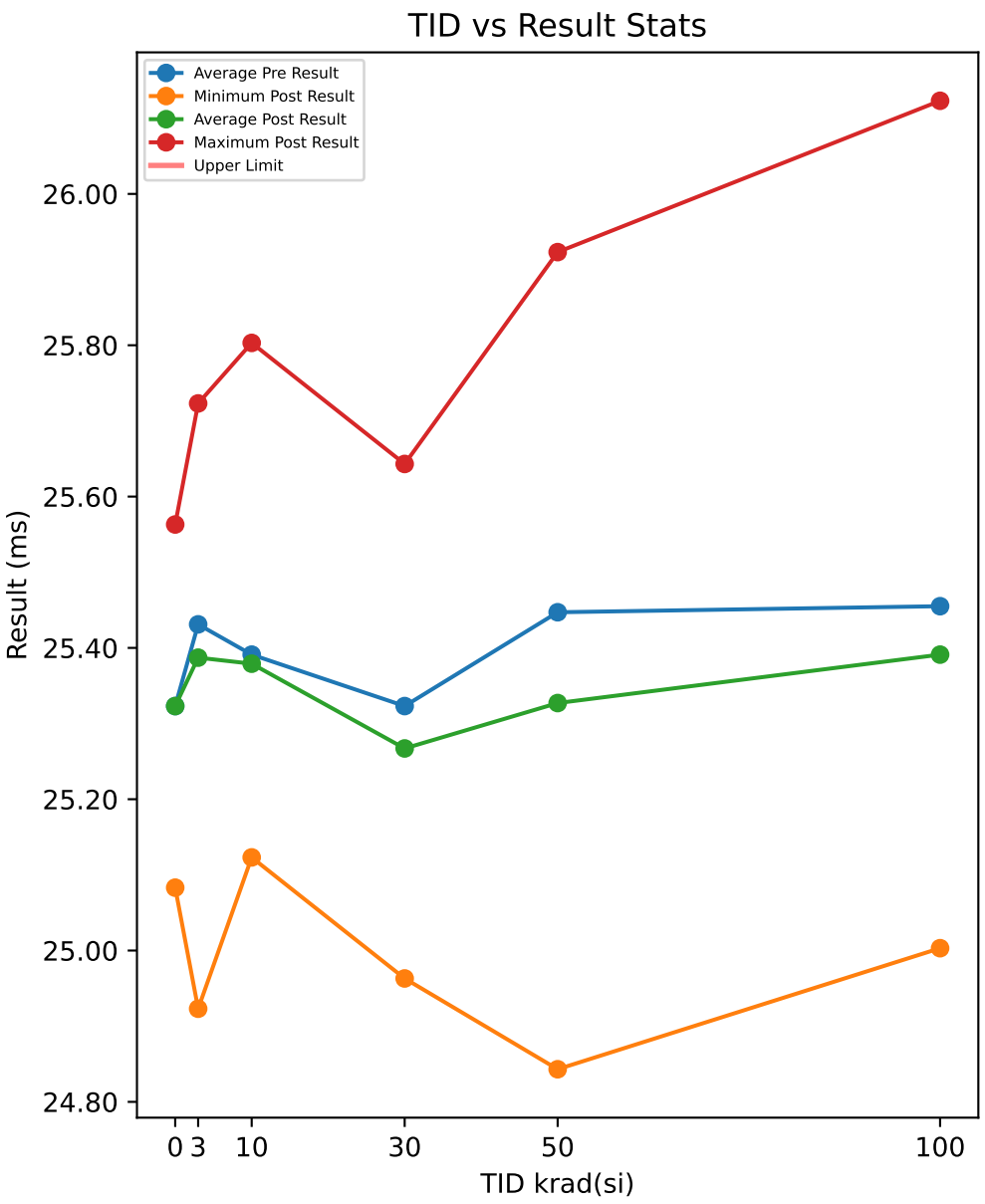
Test Results (Lower Limit = 4.7, Upper Limit = 7.3 (ms))

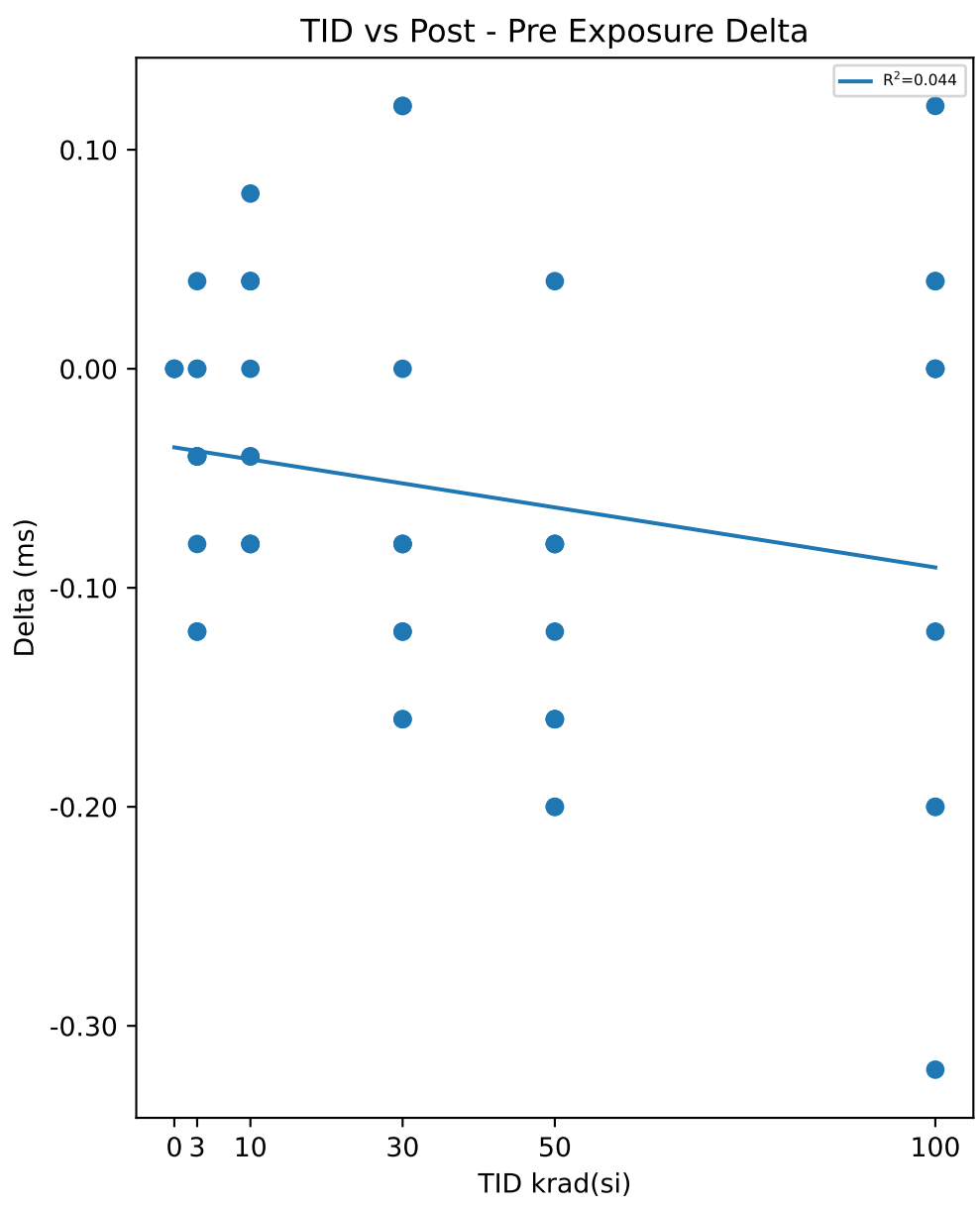
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
390	100	Biased	5.7273	5.6873	-0.04
392	100	Biased	5.6873	5.6473	-0.04
393	100	Biased	5.7273	5.7273	0
394	100	Biased	5.7273	5.6473	-0.08
395	100	Biased	5.6873	5.7273	0.04
412	100	Unbiased	5.7273	5.7273	0
413	100	Unbiased	5.8473	5.8873	0.04
414	100	Unbiased	5.6473	5.6473	0
415	100	Unbiased	5.7673	5.7673	0
416	100	Unbiased	5.8073	5.7273	-0.08
417	50	Biased	5.6473	5.6073	-0.04
418	50	Biased	5.7273	5.6473	-0.08
419	50	Biased	5.6873	5.6473	-0.04
421	50	Biased	5.7673	5.7673	0
422	50	Biased	5.6473	5.6073	-0.04
423	50	Unbiased	5.7673	5.7673	0
424	50	Unbiased	5.8073	5.8073	0
425	50	Unbiased	5.6873	5.6473	-0.04
426	50	Unbiased	5.6873	5.6073	-0.08
427	50	Unbiased	5.8873	5.8473	-0.04
463	0	Corr	5.7273	5.7673	0.04
464	0	Corr	5.6473	5.6473	0
465	0	Corr	5.6873	5.6873	0
466	30	Biased	5.6473	5.6473	0
469	30	Biased	5.7273	5.6873	-0.04
470	30	Biased	5.6873	5.6873	0
472	30	Biased	5.6873	5.6873	0
474	30	Biased	5.6873	5.6873	0
475	30	Unbiased	5.6873	5.6873	0
477	30	Unbiased	5.7273	5.7273	0
478	30	Unbiased	5.5673	5.6073	0.04
479	30	Unbiased	5.7273	5.7673	0.04
480	30	Unbiased	5.7273	5.6873	-0.04
481	10	Biased	5.6873	5.6873	0
482	10	Biased	5.6873	5.6473	-0.04
483	10	Biased	5.8073	5.8073	0
484	10	Biased	5.7673	5.7673	0
485	10	Biased	5.8073	5.7673	-0.04
487	10	Unbiased	5.6473	5.6873	0.04
488	10	Unbiased	5.7273	5.7273	0
489	10	Unbiased	5.6873	5.6873	0
490	10	Unbiased	5.6473	5.6873	0.04
491	10	Unbiased	5.6873	5.6873	0
492	3	Biased	5.7273	5.7673	0.04
493	3	Biased	5.7673	5.7673	0
494	3	Biased	5.7673	5.7273	-0.04
495	3	Biased	5.6473	5.6073	-0.04
496	3	Biased	5.6873	5.6873	0
497	3	Unbiased	5.6873	5.7273	0.04
498	3	Unbiased	5.6873	5.6873	0
499	3	Unbiased	5.6873	5.6473	-0.04
500	3	Unbiased	5.7273	5.6873	-0.04
502	3	Unbiased	5.7673	5.7673	0

Test Statistics (ms)

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	5.6473	5.6873	5.7273	0.04	5.6473	5.7006	5.7673	0.061101	0	0.013333	0.04	0.023094
3	5.6473	5.7153	5.7673	0.042374	5.6073	5.7073	5.7673	0.05416	-0.04	-0.008	0.04	0.031552
10	5.6473	5.7153	5.8073	0.059777	5.6473	5.7153	5.8073	0.050067	-0.04	8.8818e-17	0.04	0.026667
30	5.5673	5.6873	5.7273	0.049889	5.6073	5.6873	5.7673	0.042164	-0.04	8.8818e-17	0.04	0.026667
50	5.6473	5.7313	5.8873	0.076478	5.6073	5.6953	5.8473	0.09199	-0.08	-0.036	0	0.029515
100	5.6473	5.7353	5.8473	0.059029	5.6473	5.7193	5.8873	0.072541	-0.08	-0.016	0.04	0.042999

Device Test: 22.6 T_SS_100NF(TIMING|STARTUP/SS_TR/4.5////@T_SS_100NF)





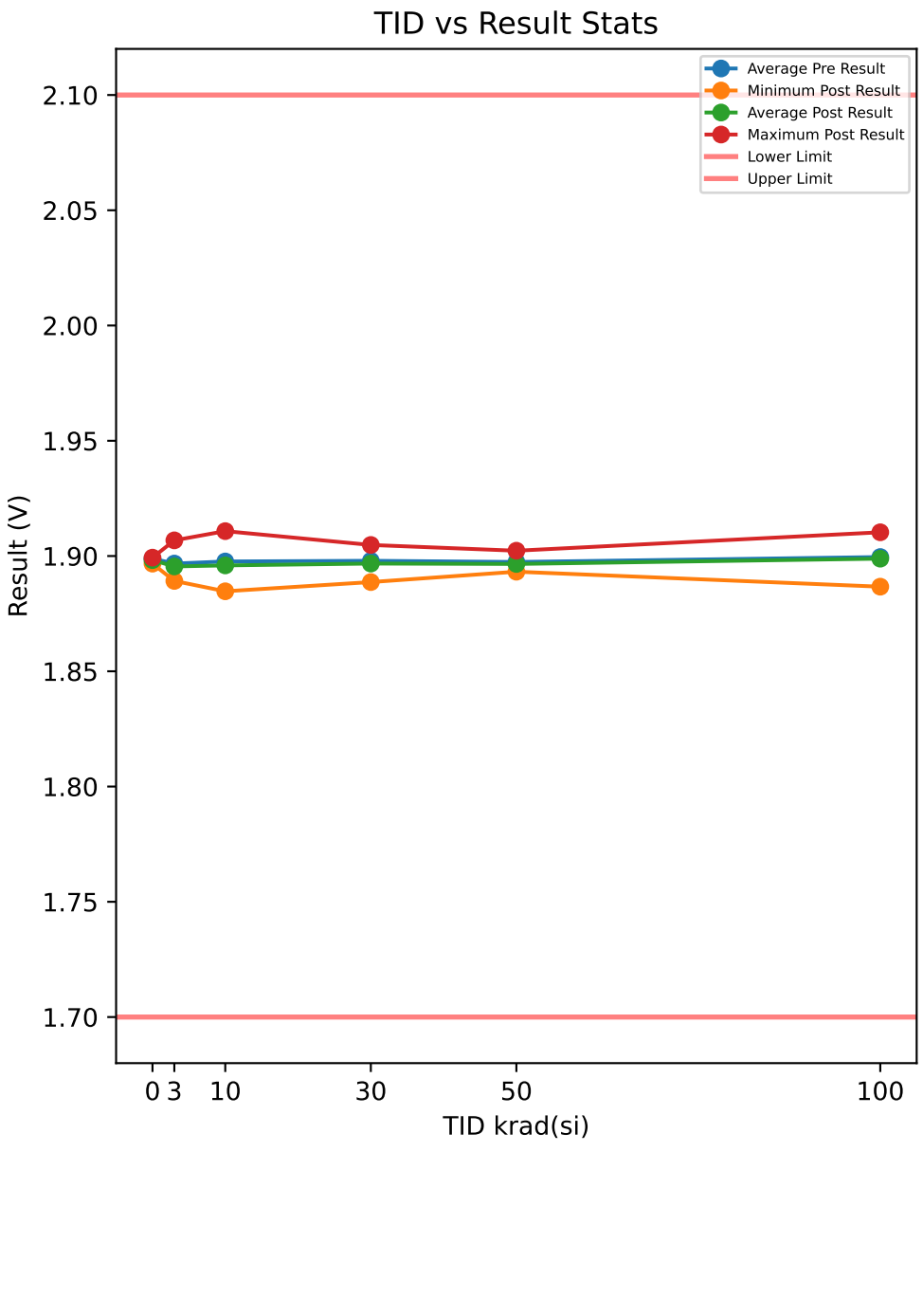
Test Results (No Limits Specified (ms))

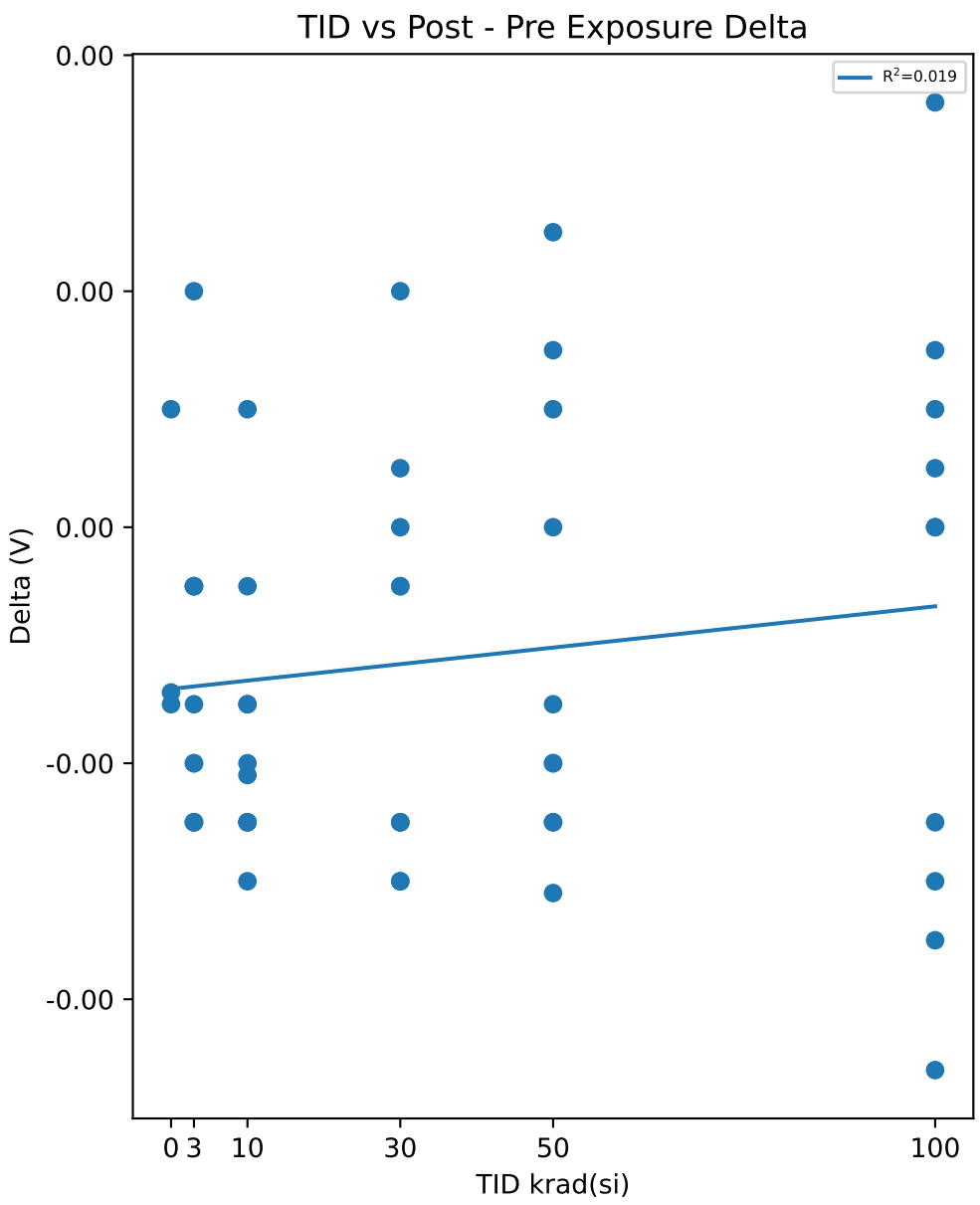
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
390	100	Biased	25.243	25.123	-0.12
392	100	Biased	25.323	25.123	-0.2
393	100	Biased	25.523	25.523	0
394	100	Biased	25.203	25.003	-0.2
395	100	Biased	25.283	25.323	0.04
412	100	Unbiased	25.523	25.523	0
413	100	Unbiased	26.003	26.123	0.12
414	100	Unbiased	25.003	25.043	0.04
415	100	Unbiased	25.603	25.603	0
416	100	Unbiased	25.843	25.523	-0.32
417	50	Biased	25.123	24.963	-0.16
418	50	Biased	25.403	25.203	-0.2
419	50	Biased	25.283	25.123	-0.16
421	50	Biased	25.603	25.643	0.04
422	50	Biased	25.203	25.003	-0.2
423	50	Unbiased	25.723	25.643	-0.08
424	50	Unbiased	25.843	25.763	-0.08
425	50	Unbiased	25.323	25.163	-0.16
426	50	Unbiased	24.963	24.843	-0.12
427	50	Unbiased	26.003	25.923	-0.08
463	0	Corr	25.563	25.563	0
464	0	Corr	25.083	25.083	0
465	0	Corr	25.323	25.323	0
466	30	Biased	25.203	25.123	-0.08
469	30	Biased	25.323	25.163	-0.16
470	30	Biased	25.483	25.363	-0.12
472	30	Biased	25.323	25.243	-0.08
474	30	Biased	25.323	25.163	-0.16
475	30	Unbiased	25.323	25.243	-0.08
477	30	Unbiased	25.483	25.483	0
478	30	Unbiased	24.843	24.963	0.12
479	30	Unbiased	25.523	25.643	0.12
480	30	Unbiased	25.403	25.283	-0.12
481	10	Biased	25.283	25.243	-0.04
482	10	Biased	25.163	25.123	-0.04
483	10	Biased	25.763	25.803	0.04
484	10	Biased	25.563	25.483	-0.08
485	10	Biased	25.763	25.683	-0.08
487	10	Unbiased	25.123	25.123	0
488	10	Unbiased	25.483	25.523	0.04
489	10	Unbiased	25.163	25.243	0.08
490	10	Unbiased	25.203	25.243	0.04
491	10	Unbiased	25.403	25.323	-0.08
492	3	Biased	25.643	25.603	-0.04
493	3	Biased	25.603	25.603	0
494	3	Biased	25.643	25.523	-0.12
495	3	Biased	25.043	24.923	-0.12
496	3	Biased	25.363	25.323	-0.04
497	3	Unbiased	25.363	25.323	-0.04
498	3	Unbiased	25.403	25.323	-0.08
499	3	Unbiased	25.243	25.243	0
500	3	Unbiased	25.323	25.283	-0.04
502	3	Unbiased	25.683	25.723	0.04

Test Statistics (ms)

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	25.083	25.323	25.563	0.24	25.083	25.323	25.563	0.24	0	0	0	0
3	25.043	25.431	25.683	0.20832	24.923	25.387	25.723	0.23186	-0.12	-0.044	0.04	0.051467
10	25.123	25.391	25.763	0.24444	25.123	25.379	25.803	0.23415	-0.08	-0.012	0.08	0.059777
30	24.843	25.323	25.523	0.19505	24.963	25.267	25.643	0.19248	-0.16	-0.056	0.12	0.10362
50	24.963	25.447	26.003	0.3349	24.843	25.327	25.923	0.38015	-0.2	-0.12	0.04	0.07303
100	25.003	25.455	26.003	0.30582	25.003	25.391	26.123	0.34205	-0.32	-0.064	0.12	0.13882

Device Test: 22.7 V_COMP_SD(LEVEL|RISE/COMP/5////@V_COMP_SD)





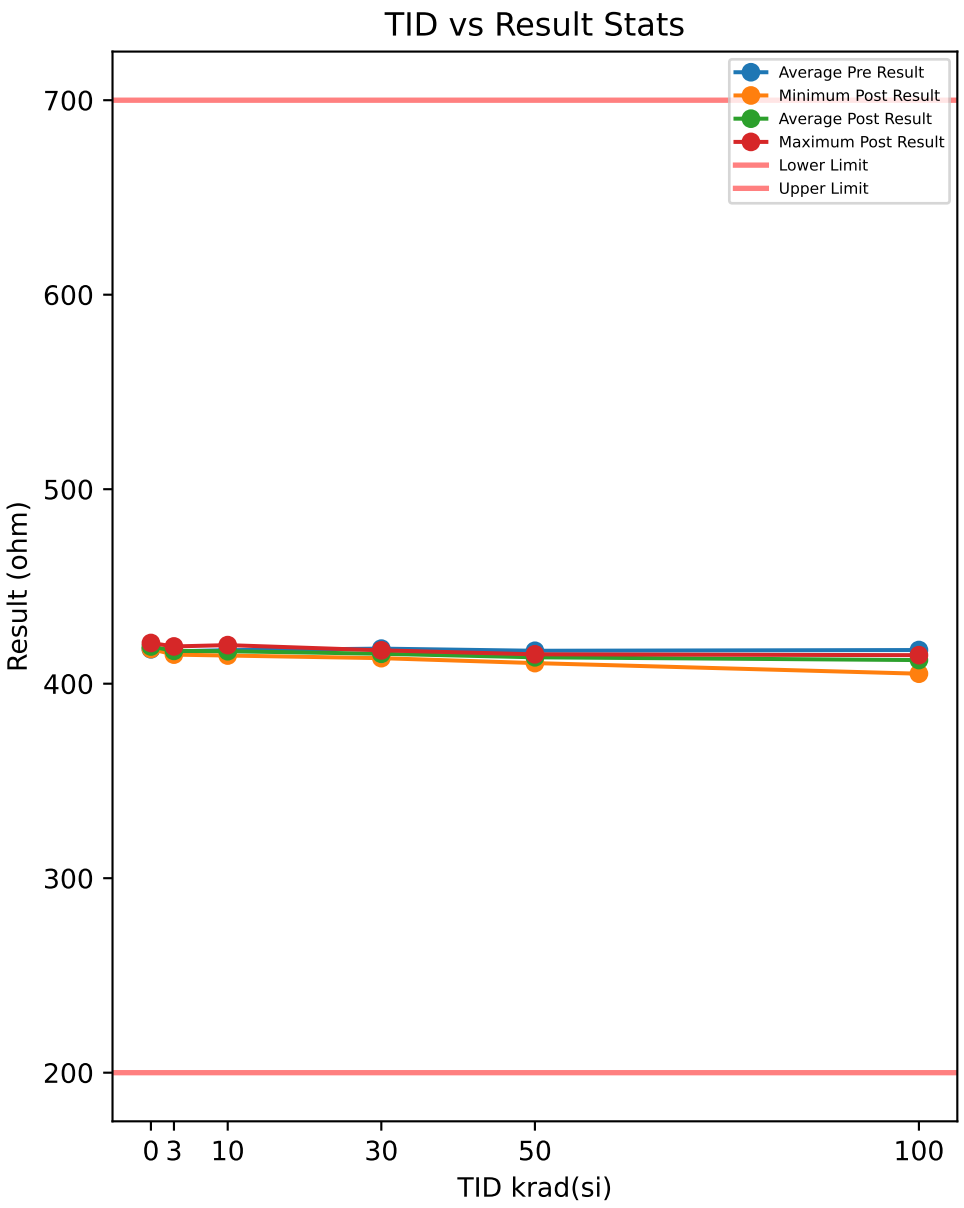
Test Results (Lower Limit = 1.7, Upper Limit = 2.1 (V))

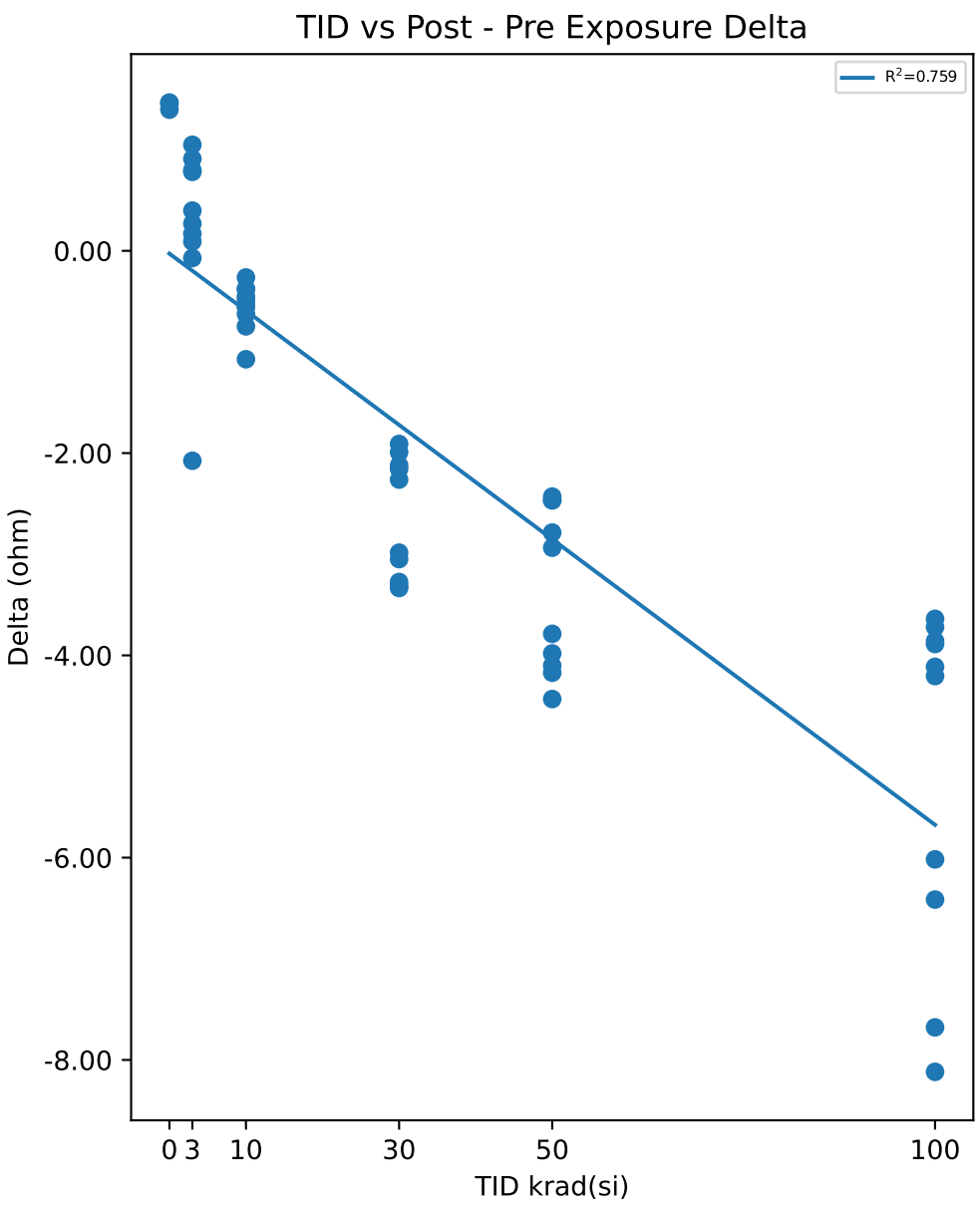
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
390	100	Biased	1.9053	1.9028	-0.0025
392	100	Biased	1.8962	1.8998	0.0036
393	100	Biased	1.9058	1.9058	0
394	100	Biased	1.9093	1.9103	0.001
395	100	Biased	1.9118	1.9083	-0.0035
412	100	Unbiased	1.8877	1.8892	0.0015
413	100	Unbiased	1.9023	1.8977	-0.0046
414	100	Unbiased	1.8882	1.8882	0
415	100	Unbiased	1.8862	1.8867	0.0005
416	100	Unbiased	1.9028	1.8998	-0.003
417	50	Biased	1.8957	1.8972	0.0015
418	50	Biased	1.9038	1.9023	-0.0015
419	50	Biased	1.8952	1.8932	-0.002
421	50	Biased	1.8957	1.8932	-0.0025
422	50	Biased	1.8957	1.8982	0.0025
423	50	Unbiased	1.8932	1.8932	0
424	50	Unbiased	1.8957	1.8937	-0.002
425	50	Unbiased	1.8957	1.8967	0.001
426	50	Unbiased	1.9002	1.8977	-0.0025
427	50	Unbiased	1.9033	1.9002	-0.0031
463	0	Corr	1.9002	1.8987	-0.0015
464	0	Corr	1.9007	1.8993	-0.0014
465	0	Corr	1.8957	1.8967	0.001
466	30	Biased	1.9023	1.9023	0
469	30	Biased	1.8957	1.8932	-0.0025
470	30	Biased	1.8882	1.8887	0.0005
472	30	Biased	1.8957	1.8932	-0.0025
474	30	Biased	1.9002	1.8972	-0.003
475	30	Unbiased	1.9053	1.9048	-0.0005
477	30	Unbiased	1.9048	1.9043	-0.0005
478	30	Unbiased	1.8957	1.8932	-0.0025
479	30	Unbiased	1.8957	1.8927	-0.003
480	30	Unbiased	1.8957	1.8977	0.002
481	10	Biased	1.8872	1.8857	-0.0015
482	10	Biased	1.9113	1.9108	-0.0005
483	10	Biased	1.8962	1.8972	0.001
484	10	Biased	1.8942	1.8912	-0.003
485	10	Biased	1.9043	1.9023	-0.002
487	10	Unbiased	1.8998	1.8977	-0.0021
488	10	Unbiased	1.8957	1.8932	-0.0025
489	10	Unbiased	1.9063	1.9038	-0.0025
490	10	Unbiased	1.8872	1.8847	-0.0025
491	10	Unbiased	1.8942	1.8927	-0.0015
492	3	Biased	1.8962	1.8937	-0.0025
493	3	Biased	1.8907	1.8902	-0.0005
494	3	Biased	1.9088	1.9068	-0.002
495	3	Biased	1.8927	1.8902	-0.0025
496	3	Biased	1.9048	1.9028	-0.002
497	3	Unbiased	1.8998	1.8993	-0.0005
498	3	Unbiased	1.8952	1.8927	-0.0025
499	3	Unbiased	1.8907	1.8892	-0.0015
500	3	Unbiased	1.8922	1.8917	-0.0005
502	3	Unbiased	1.8962	1.8982	0.002

Test Statistics (V)

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	1.8957	1.8989	1.9007	0.0027538	1.8967	1.8982	1.8993	0.0013614	-0.0015	-0.00063333	0.001	0.0014154
3	1.8907	1.8967	1.9088	0.0060793	1.8892	1.8955	1.9068	0.0060009	-0.0025	-0.00125	0.002	0.0014191
10	1.8872	1.8976	1.9113	0.0078747	1.8847	1.8959	1.9108	0.0081609	-0.003	-0.00171	0.001	0.0011865
30	1.8882	1.8979	1.9053	0.0052207	1.8887	1.8967	1.9048	0.0055048	-0.003	-0.0012	0.002	0.0017353
50	1.8932	1.8974	1.9038	0.0036596	1.8932	1.8966	1.9023	0.0032087	-0.0031	-0.00086	0.0025	0.0019569
100	1.8862	1.8996	1.9118	0.009393	1.8867	1.8989	1.9103	0.0084433	-0.0046	-0.0007	0.0036	0.0025867

Device Test: 22.8 R_SS_DISCHARGE(LEVEL|SINK/SS_TR/5////@R_SS_DISCHARGE)





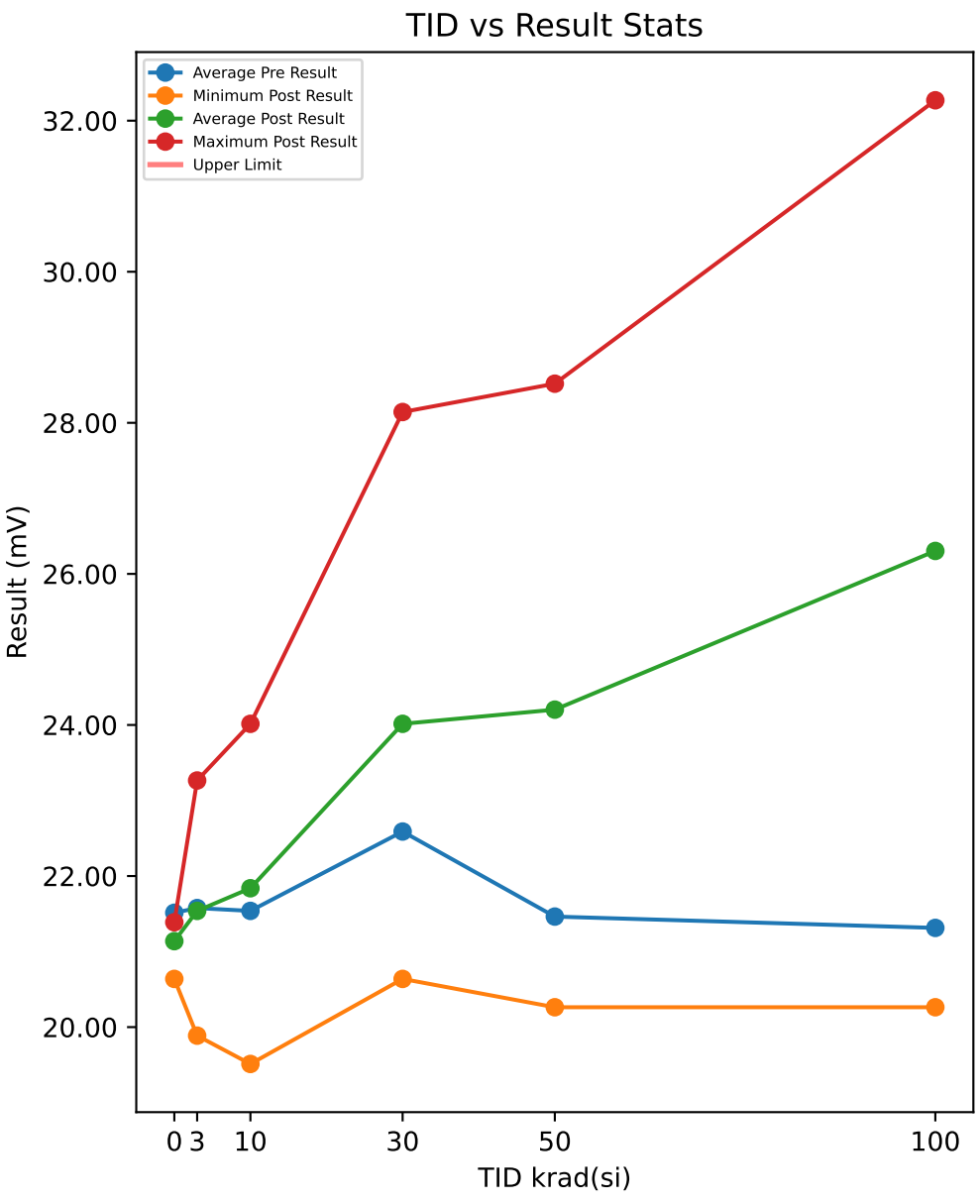
Test Results (Lower Limit = 200.0, Upper Limit = 700.0 (ohm))

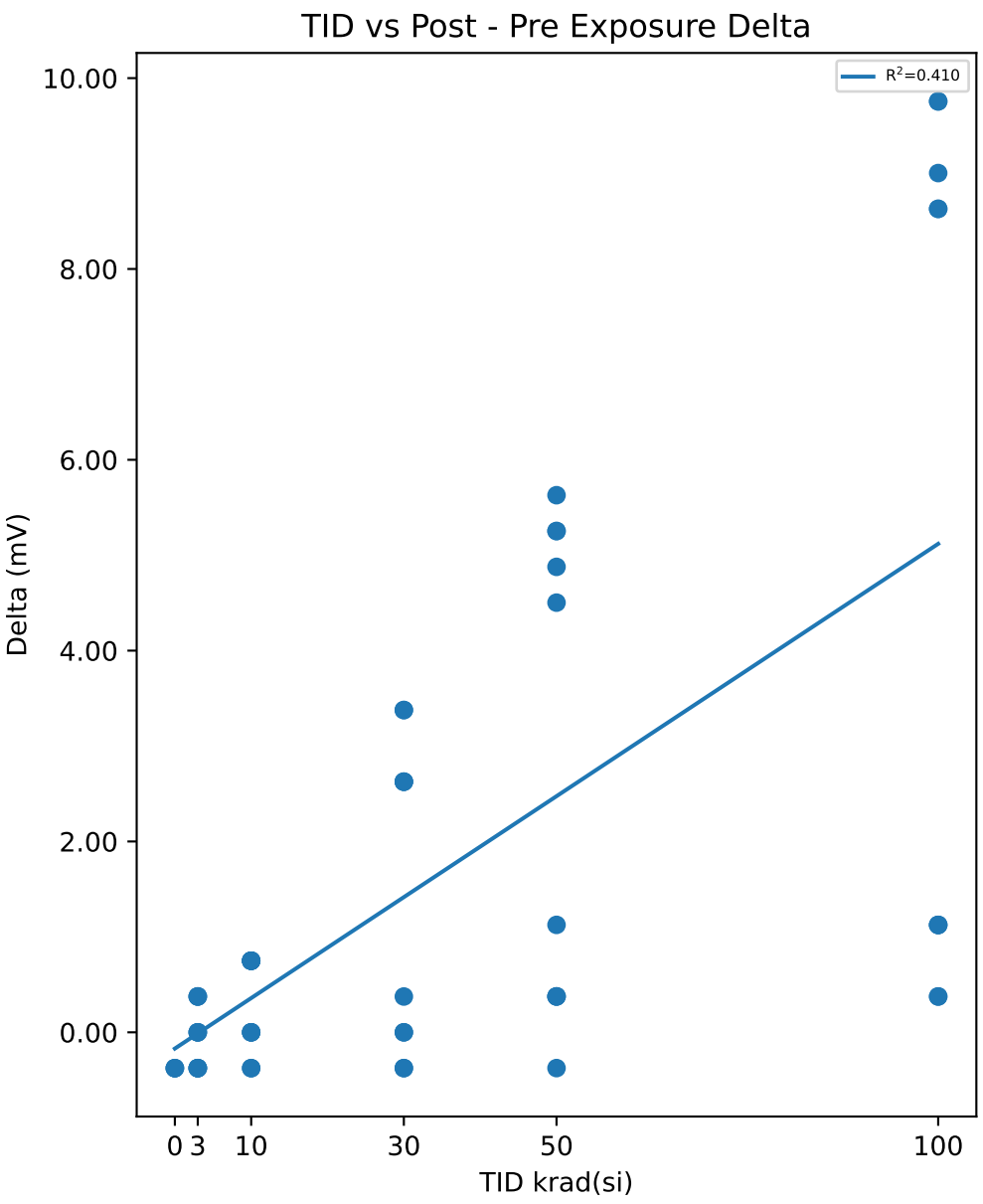
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
390	100	Biased	418.39	414.67	-3.7196
392	100	Biased	417.98	414.09	-3.8875
393	100	Biased	418.72	414.51	-4.2046
394	100	Biased	417.78	413.92	-3.8575
395	100	Biased	416.06	412.42	-3.6387
412	100	Unbiased	419.65	413.24	-6.4142
413	100	Unbiased	411.15	405.14	-6.0171
414	100	Unbiased	416.36	412.24	-4.1134
415	100	Unbiased	419.62	411.94	-7.6779
416	100	Unbiased	417.4	409.28	-8.1177
417	50	Biased	417.53	415.1	-2.4299
418	50	Biased	416.29	413.35	-2.9353
419	50	Biased	417.22	414.43	-2.7854
421	50	Biased	415.37	412.9	-2.467
422	50	Biased	417.47	415.01	-2.4653
423	50	Unbiased	419.36	414.93	-4.4317
424	50	Unbiased	414.69	410.59	-4.1017
425	50	Unbiased	417.14	412.97	-4.1718
426	50	Unbiased	416.62	412.64	-3.9805
427	50	Unbiased	417.56	413.78	-3.787
463	0	Corr	416.44	417.83	1.3957
464	0	Corr	417.16	418.62	1.4659
465	0	Corr	419.47	420.93	1.4592
466	30	Biased	418.19	416.03	-2.1566
469	30	Biased	418.77	416.64	-2.1207
470	30	Biased	419.41	417.15	-2.2621
472	30	Biased	416.1	414.11	-1.992
474	30	Biased	418.35	416.45	-1.9095
475	30	Unbiased	417.99	414.71	-3.2743
477	30	Unbiased	416.46	413.13	-3.3338
478	30	Unbiased	418.33	415.02	-3.3149
479	30	Unbiased	417.83	414.78	-3.0482
480	30	Unbiased	418.87	415.89	-2.9845
481	10	Biased	416.87	416.12	-0.7467
482	10	Biased	415.01	414.47	-0.5379
483	10	Biased	416.33	416.07	-0.2635
484	10	Biased	417.31	416.93	-0.3806
485	10	Biased	416.67	416.18	-0.4847
487	10	Unbiased	418.53	417.46	-1.072
488	10	Unbiased	420.12	419.67	-0.4535
489	10	Unbiased	415.91	415.28	-0.6238
490	10	Unbiased	420.39	419.83	-0.5547
491	10	Unbiased	415.27	414.89	-0.3765
492	3	Biased	416.65	417.05	0.3976
493	3	Biased	418.35	419.15	0.7979
494	3	Biased	416.21	416.99	0.7808
495	3	Biased	416.85	417.9	1.0485
496	3	Biased	417.23	418.14	0.9097
497	3	Unbiased	417.72	417.65	-0.0716
498	3	Unbiased	415.69	415.79	0.0917
499	3	Unbiased	415.99	416.16	0.1692
500	3	Unbiased	414.68	414.95	0.2686
502	3	Unbiased	417.08	415	-2.0757

Test Statistics (ohm)

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	416.44	417.69	419.47	1.5839	417.83	419.13	420.93	1.6081	1.3957	1.4403	1.4659	0.038741
3	414.68	416.65	418.35	1.056	414.95	416.88	419.15	1.3899	-2.0757	0.23167	1.0485	0.89551
10	415.01	417.24	420.39	1.88	414.47	416.69	419.83	1.8407	-1.072	-0.54939	-0.2635	0.22882
30	416.1	418.03	419.41	1.0318	413.13	415.39	417.15	1.2538	-3.3338	-2.6397	-1.9095	0.59853
50	414.69	416.93	419.36	1.293	410.59	413.57	415.1	1.4001	-4.4317	-3.3556	-2.4299	0.80955
100	411.15	417.31	419.65	2.4723	405.14	412.15	414.67	2.9361	-8.1177	-5.1648	-3.6387	1.7355

Device Test: 22.9 V_SS_START(LEVEL|STATIC/SS_TR/5////@V_SS_START)





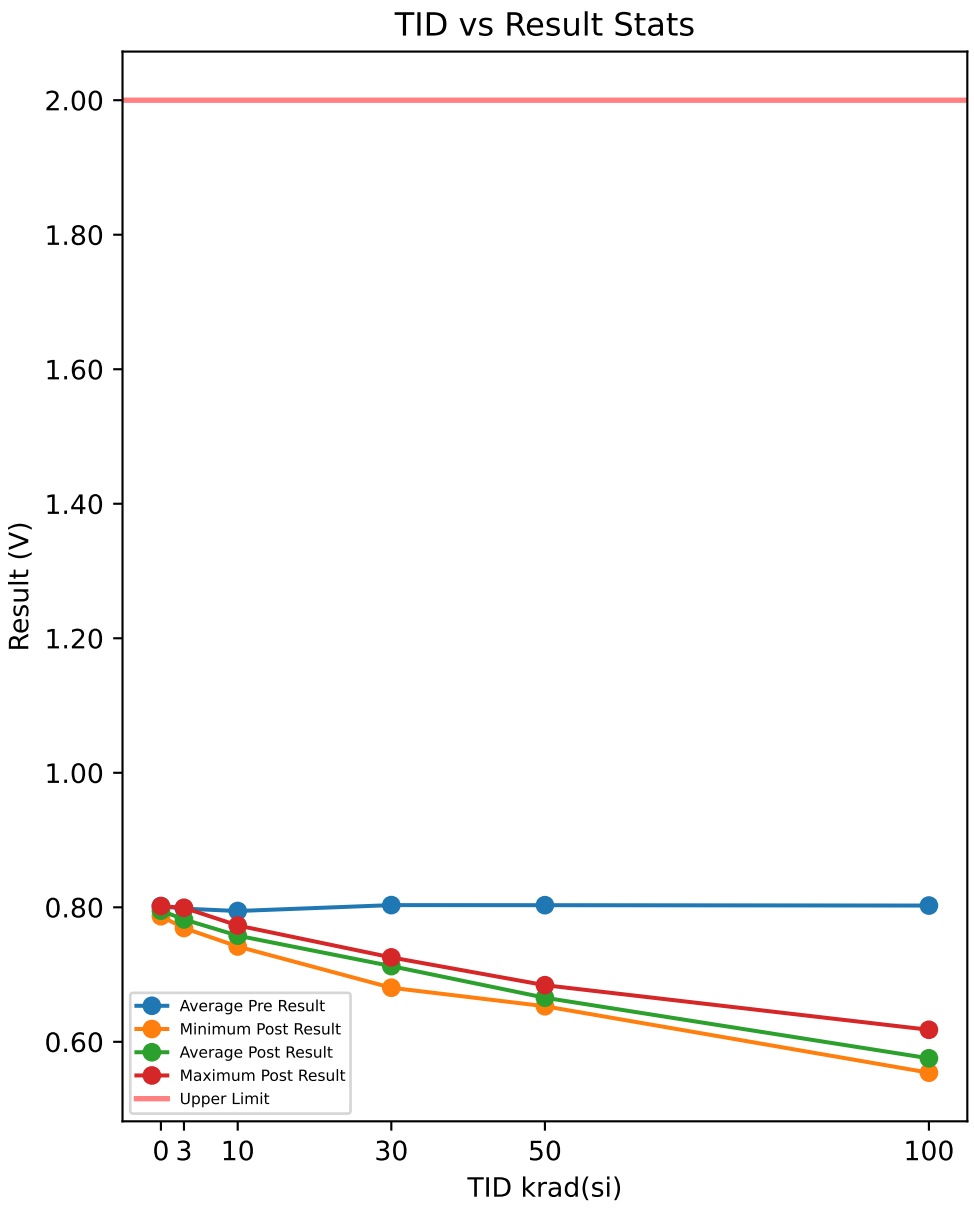
Test Results (No Limits Specified (mV))

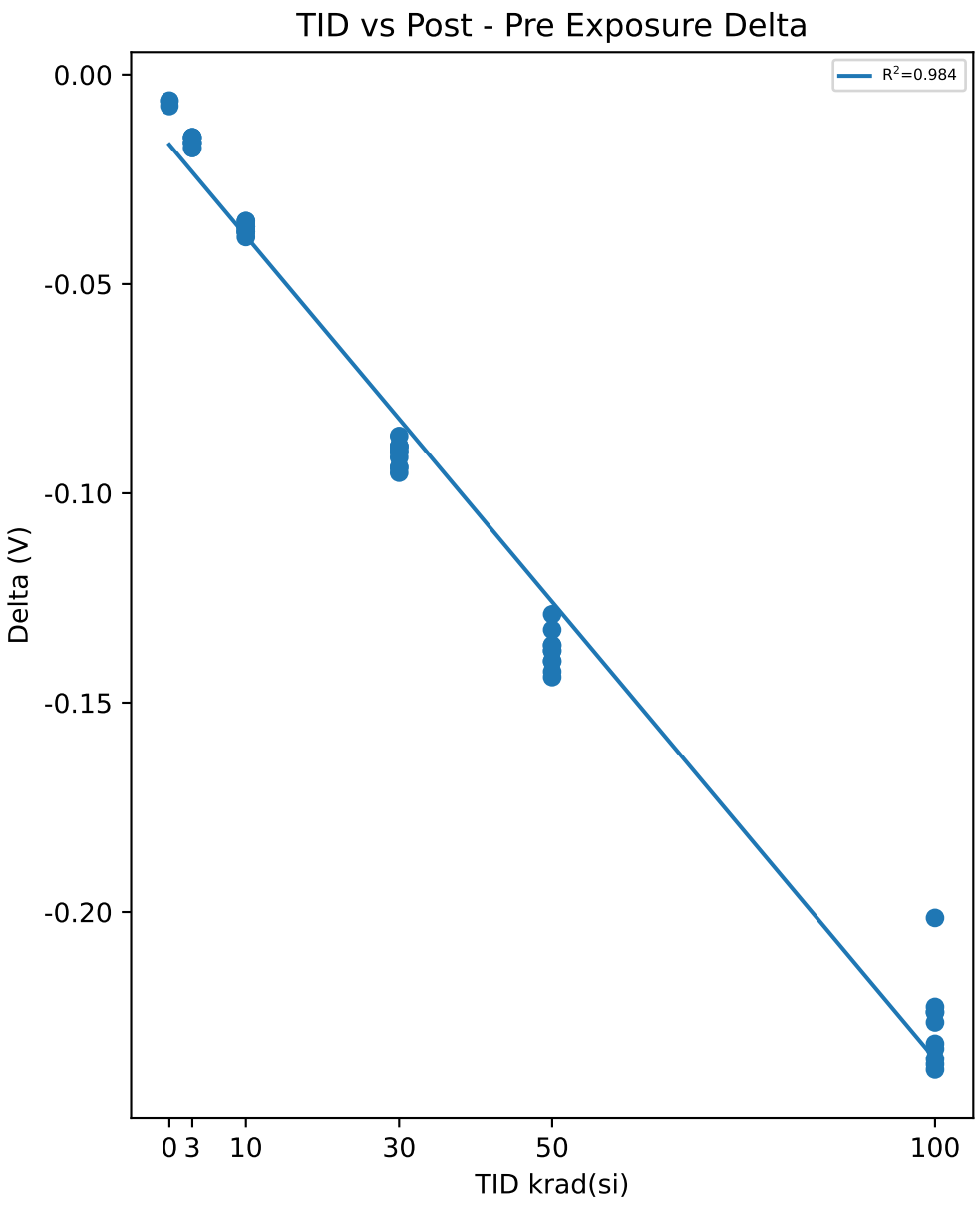
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
390	100	Biased	21.764	31.52	9.756
392	100	Biased	23.64	32.27	8.63
393	100	Biased	19.887	29.644	9.757
394	100	Biased	21.764	30.394	8.63
395	100	Biased	18.762	27.767	9.005
412	100	Unbiased	19.887	20.263	0.376
413	100	Unbiased	21.764	22.889	1.125
414	100	Unbiased	21.388	22.514	1.126
415	100	Unbiased	23.265	24.39	1.125
416	100	Unbiased	21.013	21.388	0.375
417	50	Biased	22.889	28.518	5.629
418	50	Biased	21.764	26.642	4.878
419	50	Biased	21.388	26.642	5.254
421	50	Biased	22.139	27.392	5.253
422	50	Biased	19.512	24.015	4.503
423	50	Unbiased	22.889	23.265	0.376
424	50	Unbiased	19.887	20.263	0.376
425	50	Unbiased	22.139	23.265	1.126
426	50	Unbiased	20.638	20.263	-0.375
427	50	Unbiased	21.388	21.764	0.376
463	0	Corr	21.764	21.388	-0.376
464	0	Corr	21.764	21.388	-0.376
465	0	Corr	21.013	20.638	-0.375
466	30	Biased	21.764	25.141	3.377
469	30	Biased	22.514	25.141	2.627
470	30	Biased	24.765	28.143	3.378
472	30	Biased	22.514	25.141	2.627
474	30	Biased	23.265	25.891	2.626
475	30	Unbiased	21.388	21.388	0
477	30	Unbiased	20.638	20.638	0
478	30	Unbiased	24.015	23.64	-0.375
479	30	Unbiased	22.889	22.514	-0.375
480	30	Unbiased	22.139	22.514	0.375
481	10	Biased	23.265	24.015	0.75
482	10	Biased	21.764	22.514	0.75
483	10	Biased	20.263	21.013	0.75
484	10	Biased	20.263	21.013	0.75
485	10	Biased	21.764	22.514	0.75
487	10	Unbiased	19.887	19.512	-0.375
488	10	Unbiased	23.265	22.889	-0.376
489	10	Unbiased	19.887	19.887	0
490	10	Unbiased	22.889	22.889	0
491	10	Unbiased	22.139	22.139	0
492	3	Biased	22.889	23.265	0.376
493	3	Biased	21.764	21.764	0
494	3	Biased	22.514	22.514	0
495	3	Biased	19.512	19.887	0.375
496	3	Biased	21.388	21.764	0.376
497	3	Unbiased	20.263	19.887	-0.376
498	3	Unbiased	21.013	20.638	-0.375
499	3	Unbiased	21.013	20.638	-0.375
500	3	Unbiased	23.265	23.265	0
502	3	Unbiased	22.139	21.764	-0.375

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	21.013	21.514	21.764	0.43359	20.638	21.138	21.388	0.43301	-0.376	-0.37567	-0.375	0.00057735
3	19.512	21.576	23.265	1.1767	19.887	21.539	23.265	1.2535	-0.376	-0.0374	0.376	0.32874
10	19.887	21.539	23.265	1.3726	19.512	21.838	24.015	1.4349	-0.376	0.2999	0.75	0.49386
30	20.638	22.589	24.765	1.2229	20.638	24.015	28.143	2.2929	-0.375	1.426	3.378	1.6193
50	19.512	21.463	22.889	1.1573	20.263	24.203	28.518	2.9717	-0.375	2.7396	5.629	2.5328
100	18.762	21.313	23.64	1.5094	20.263	26.304	32.27	4.5114	0.375	4.9905	9.757	4.4153

Device Test: 23.1 MIN_VIN_FOR_PWRGD_OUTPUT(VIN|VALID/PWRGD/0////@MIN_VIN_FOR_PWRGD_OUTPUT)





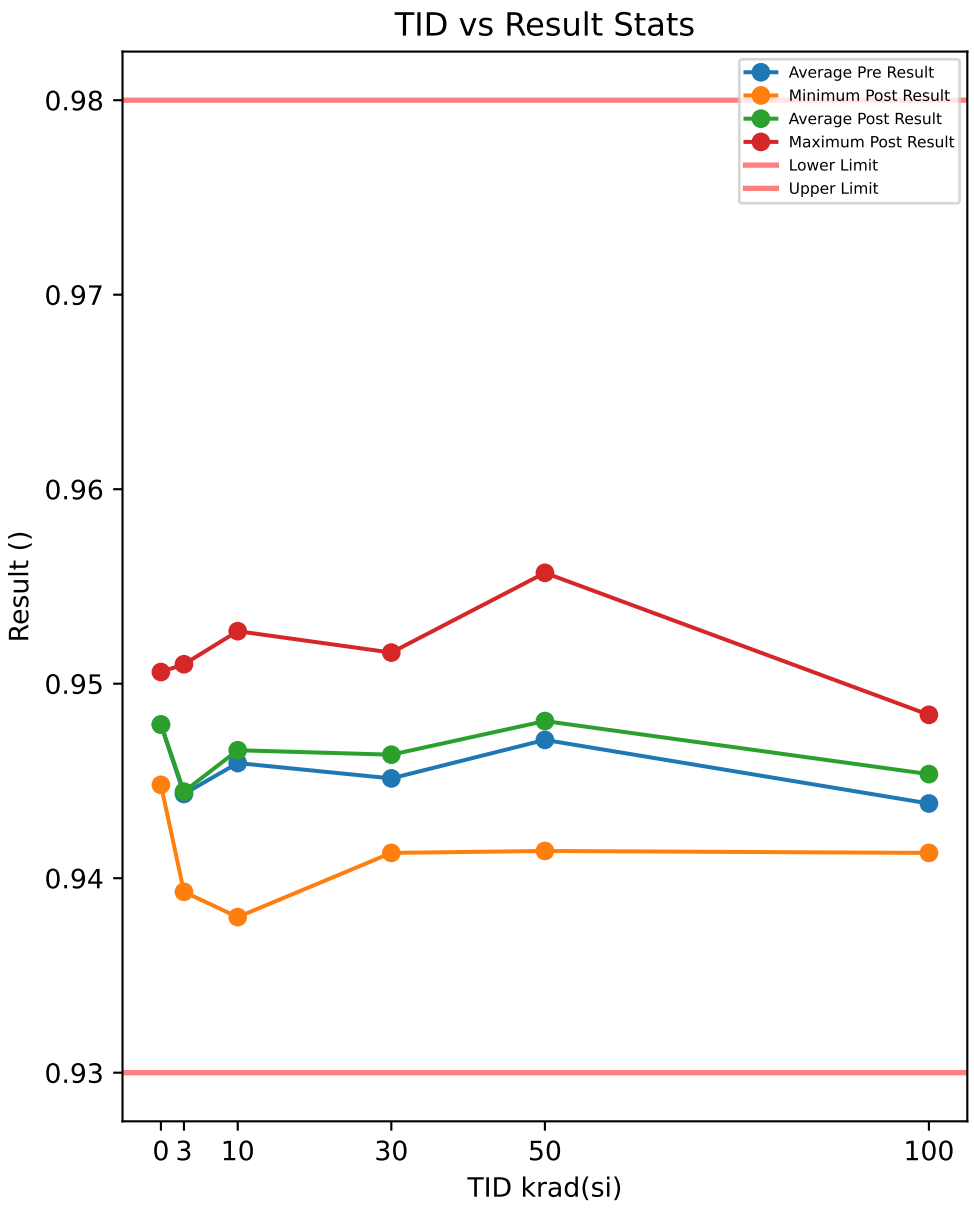
Test Results (Upper Limit = 2.0 (V))

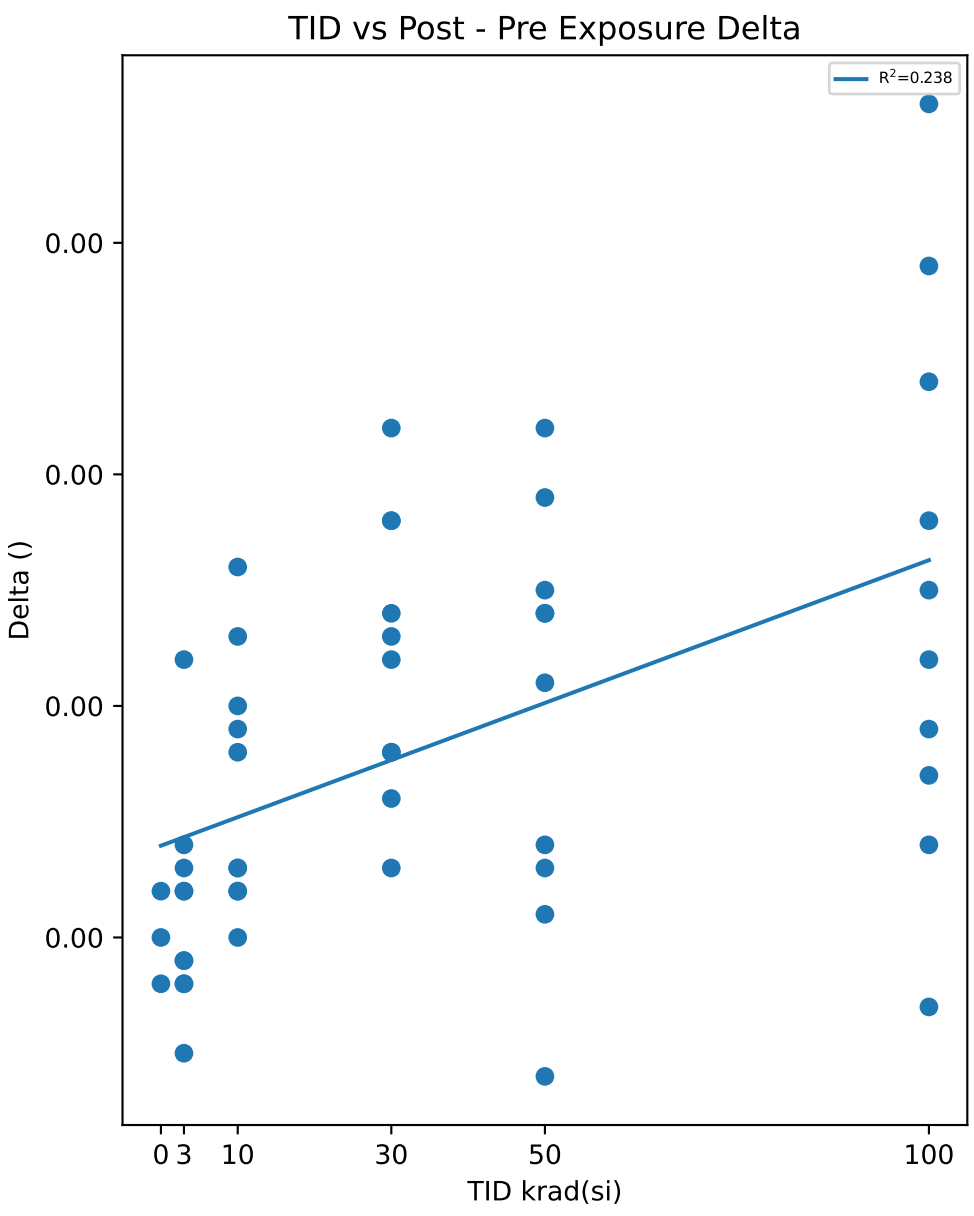
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
390	100	Biased	0.833	0.6016	-0.2314
392	100	Biased	0.8093	0.5716	-0.2377
393	100	Biased	0.7942	0.5578	-0.2364
394	100	Biased	0.8193	0.6179	-0.2014
395	100	Biased	0.7892	0.5666	-0.2226
412	100	Unbiased	0.8005	0.5766	-0.2239
413	100	Unbiased	0.7892	0.5654	-0.2238
414	100	Unbiased	0.7892	0.5541	-0.2351
415	100	Unbiased	0.8055	0.5729	-0.2326
416	100	Unbiased	0.7967	0.5704	-0.2263
417	50	Biased	0.7993	0.6667	-0.1326
418	50	Biased	0.7892	0.6529	-0.1363
419	50	Biased	0.8218	0.6817	-0.1401
421	50	Biased	0.8018	0.6617	-0.1401
422	50	Biased	0.7993	0.6704	-0.1289
423	50	Unbiased	0.8218	0.6842	-0.1376
424	50	Unbiased	0.798	0.6617	-0.1363
425	50	Unbiased	0.8068	0.6629	-0.1439
426	50	Unbiased	0.8005	0.6579	-0.1426
427	50	Unbiased	0.793	0.6554	-0.1376
463	0	Corr	0.803	0.7967	-0.0063
464	0	Corr	0.808	0.8018	-0.0062
465	0	Corr	0.7942	0.7867	-0.0075
466	30	Biased	0.8105	0.7167	-0.0938
469	30	Biased	0.8118	0.723	-0.0888
470	30	Biased	0.8105	0.7205	-0.09
472	30	Biased	0.8093	0.7179	-0.0914
474	30	Biased	0.8143	0.7255	-0.0888
475	30	Unbiased	0.7967	0.7104	-0.0863
477	30	Unbiased	0.7955	0.7017	-0.0938
478	30	Unbiased	0.7755	0.6804	-0.0951
479	30	Unbiased	0.808	0.7192	-0.0888
480	30	Unbiased	0.8005	0.7104	-0.0901
481	10	Biased	0.793	0.7555	-0.0375
482	10	Biased	0.7967	0.7592	-0.0375
483	10	Biased	0.793	0.758	-0.035
484	10	Biased	0.7842	0.7467	-0.0375
485	10	Biased	0.7805	0.7442	-0.0363
487	10	Unbiased	0.7955	0.7592	-0.0363
488	10	Unbiased	0.8055	0.7692	-0.0363
489	10	Unbiased	0.7805	0.7417	-0.0388
490	10	Unbiased	0.808	0.7717	-0.0363
491	10	Unbiased	0.808	0.773	-0.035
492	3	Biased	0.788	0.773	-0.015
493	3	Biased	0.8118	0.7967	-0.0151
494	3	Biased	0.793	0.7767	-0.0163
495	3	Biased	0.803	0.7855	-0.0175
496	3	Biased	0.8155	0.7993	-0.0162
497	3	Unbiased	0.8005	0.7842	-0.0163
498	3	Unbiased	0.7842	0.7692	-0.015
499	3	Unbiased	0.788	0.7705	-0.0175
500	3	Unbiased	0.8018	0.7855	-0.0163
502	3	Unbiased	0.7942	0.7792	-0.015

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	0.7942	0.80173	0.808	0.0069867	0.7867	0.79507	0.8018	0.0076814	-0.0075	-0.0066667	-0.0062	0.00072342
3	0.7842	0.798	0.8155	0.010394	0.7692	0.78198	0.7993	0.010316	-0.0175	-0.01602	-0.015	0.00097843
10	0.7805	0.79449	0.808	0.010509	0.7417	0.75784	0.773	0.011209	-0.0388	-0.03665	-0.035	0.0011891
30	0.7755	0.80326	0.8143	0.011738	0.6804	0.71257	0.7255	0.013295	-0.0951	-0.09069	-0.0863	0.002791
50	0.7892	0.80315	0.8218	0.010912	0.6529	0.66555	0.6842	0.010497	-0.1439	-0.1376	-0.1289	0.0044878
100	0.7892	0.80261	0.833	0.014548	0.5541	0.57549	0.6179	0.019666	-0.2377	-0.22712	-0.2014	0.010615

Device Test: 23.10 VSENSE_VTH_RISING_GOOD(HRESHOLD|RISE/PWRGD/5////@VSENSE_VTH_RISING_GOOD)





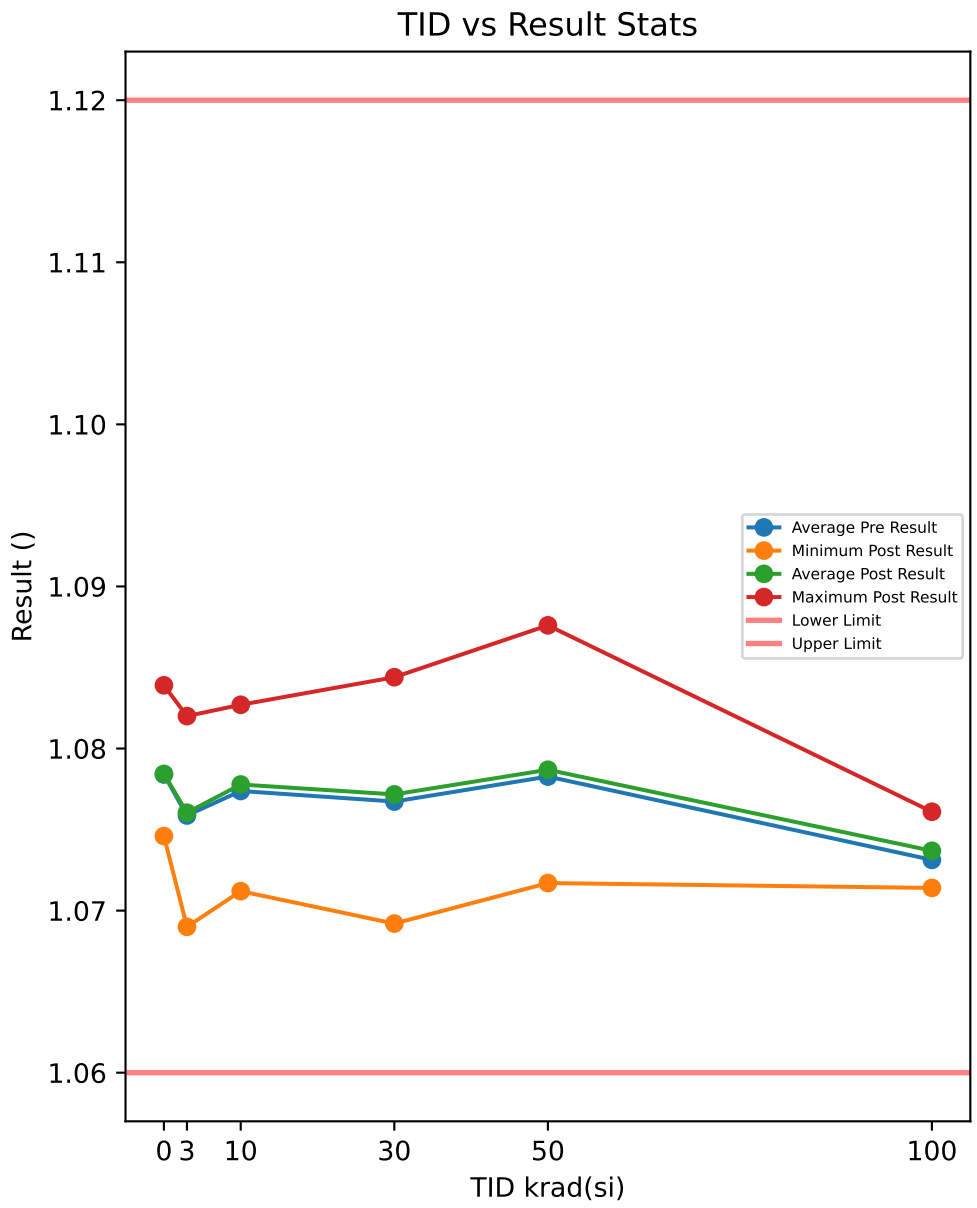
Test Results (Lower Limit = 0.93, Upper Limit = 0.98 ())

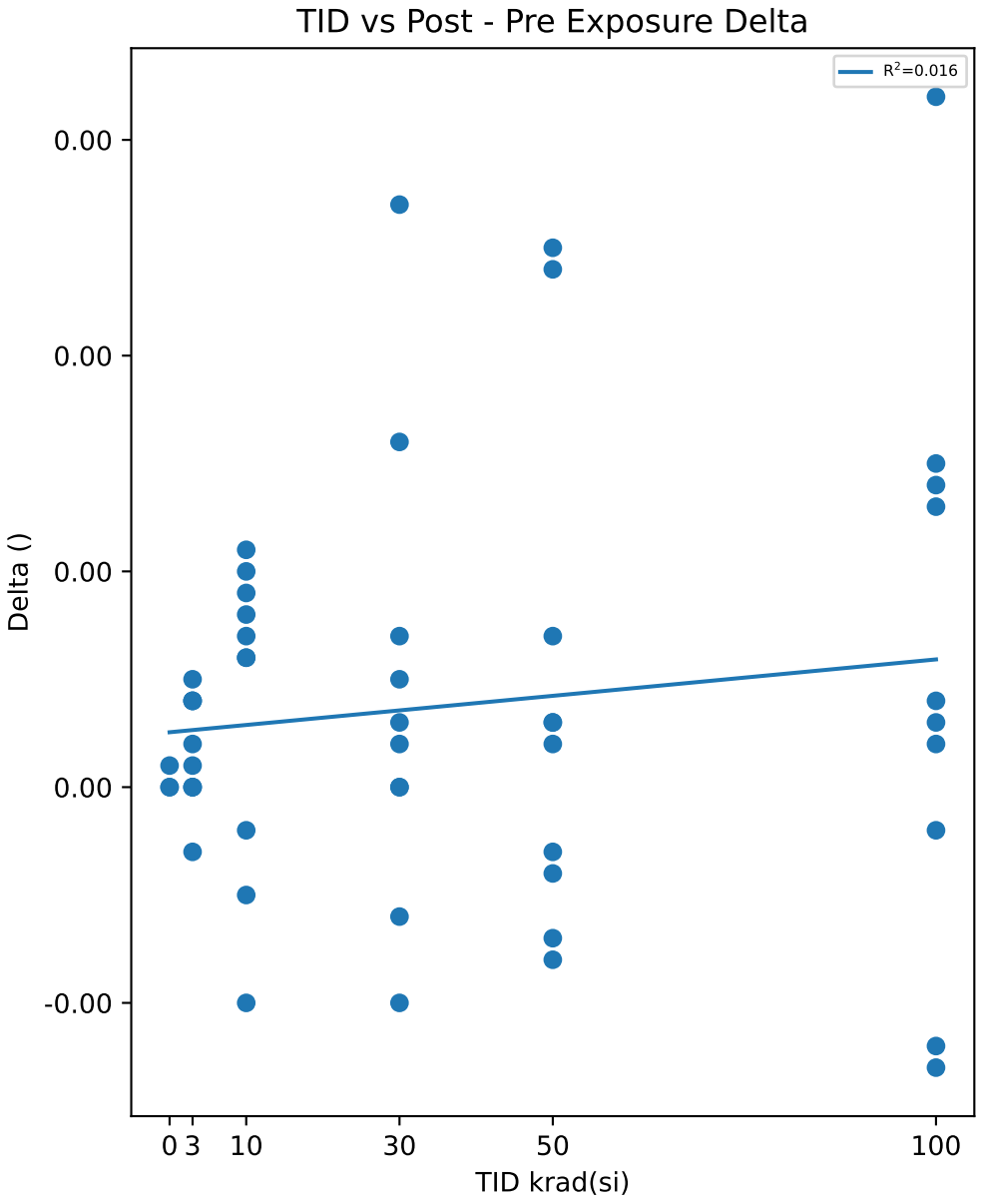
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
390	100	Biased	0.9395	0.9413	0.0018
392	100	Biased	0.9429	0.9438	0.0009
393	100	Biased	0.9394	0.943	0.0036
394	100	Biased	0.9471	0.9468	-0.0003
395	100	Biased	0.9448	0.946	0.0012
412	100	Unbiased	0.947	0.9477	0.0007
413	100	Unbiased	0.9448	0.9452	0.0004
414	100	Unbiased	0.9439	0.9468	0.0029
415	100	Unbiased	0.9421	0.9445	0.0024
416	100	Unbiased	0.9469	0.9484	0.0015
417	50	Biased	0.954	0.9551	0.0011
418	50	Biased	0.9474	0.9477	0.0003
419	50	Biased	0.9527	0.9546	0.0019
421	50	Biased	0.9543	0.9557	0.0014
422	50	Biased	0.9425	0.9429	0.0004
423	50	Unbiased	0.944	0.9455	0.0015
424	50	Unbiased	0.9513	0.9514	0.0001
425	50	Unbiased	0.9427	0.9441	0.0014
426	50	Unbiased	0.943	0.9424	-0.0006
427	50	Unbiased	0.9392	0.9414	0.0022
463	0	Corr	0.9485	0.9483	-0.0002
464	0	Corr	0.9448	0.9448	0
465	0	Corr	0.9504	0.9506	0.0002
466	30	Biased	0.946	0.9473	0.0013
469	30	Biased	0.9395	0.9413	0.0018
470	30	Biased	0.9425	0.9433	0.0008
472	30	Biased	0.95	0.9512	0.0012
474	30	Biased	0.9476	0.9484	0.0008
475	30	Unbiased	0.9502	0.9516	0.0014
477	30	Unbiased	0.9478	0.9484	0.0006
478	30	Unbiased	0.9443	0.9446	0.0003
479	30	Unbiased	0.9419	0.9437	0.0018
480	30	Unbiased	0.9415	0.9437	0.0022
481	10	Biased	0.9501	0.9503	0.0002
482	10	Biased	0.9425	0.9434	0.0009
483	10	Biased	0.9517	0.9527	0.001
484	10	Biased	0.9492	0.9495	0.0003
485	10	Biased	0.9455	0.9463	0.0008
487	10	Unbiased	0.9424	0.9437	0.0013
488	10	Unbiased	0.9377	0.938	0.0003
489	10	Unbiased	0.9436	0.9438	0.0002
490	10	Unbiased	0.9508	0.9508	0
491	10	Unbiased	0.9457	0.9473	0.0016
492	3	Biased	0.946	0.9455	-0.0005
493	3	Biased	0.9394	0.9393	-0.0001
494	3	Biased	0.9498	0.951	0.0012
495	3	Biased	0.9432	0.9431	-0.0001
496	3	Biased	0.9413	0.9415	0.0002
497	3	Unbiased	0.9492	0.949	-0.0002
498	3	Unbiased	0.944	0.9443	0.0003
499	3	Unbiased	0.9468	0.9466	-0.0002
500	3	Unbiased	0.9406	0.9408	0.0002
502	3	Unbiased	0.943	0.9434	0.0004

Test Statistics ()

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	0.9448	0.9479	0.9504	0.0028478	0.9448	0.9479	0.9506	0.0029206	-0.0002	0	0.0002	0.0002
3	0.9394	0.94433	0.9498	0.0035447	0.9393	0.94445	0.951	0.003664	-0.0005	0.00012	0.0012	0.00046857
10	0.9377	0.94592	0.9517	0.0045057	0.938	0.94658	0.9527	0.0044469	0	0.00066	0.0016	0.0005379
30	0.9395	0.94513	0.9502	0.0037464	0.9413	0.94635	0.9516	0.0035325	0.0003	0.00122	0.0022	0.00060148
50	0.9392	0.94711	0.9543	0.0055567	0.9414	0.94808	0.9557	0.0056493	-0.0006	0.00097	0.0022	0.0008845
100	0.9394	0.94384	0.9471	0.0028729	0.9413	0.94535	0.9484	0.0022242	-0.0003	0.00151	0.0036	0.001193

Device Test: 23.11 VSENSE_VTH_RISING_FAULT(HRESHOLD|RISE/PWRGD/5////@VSENSE_VTH_RISING_FAULT)





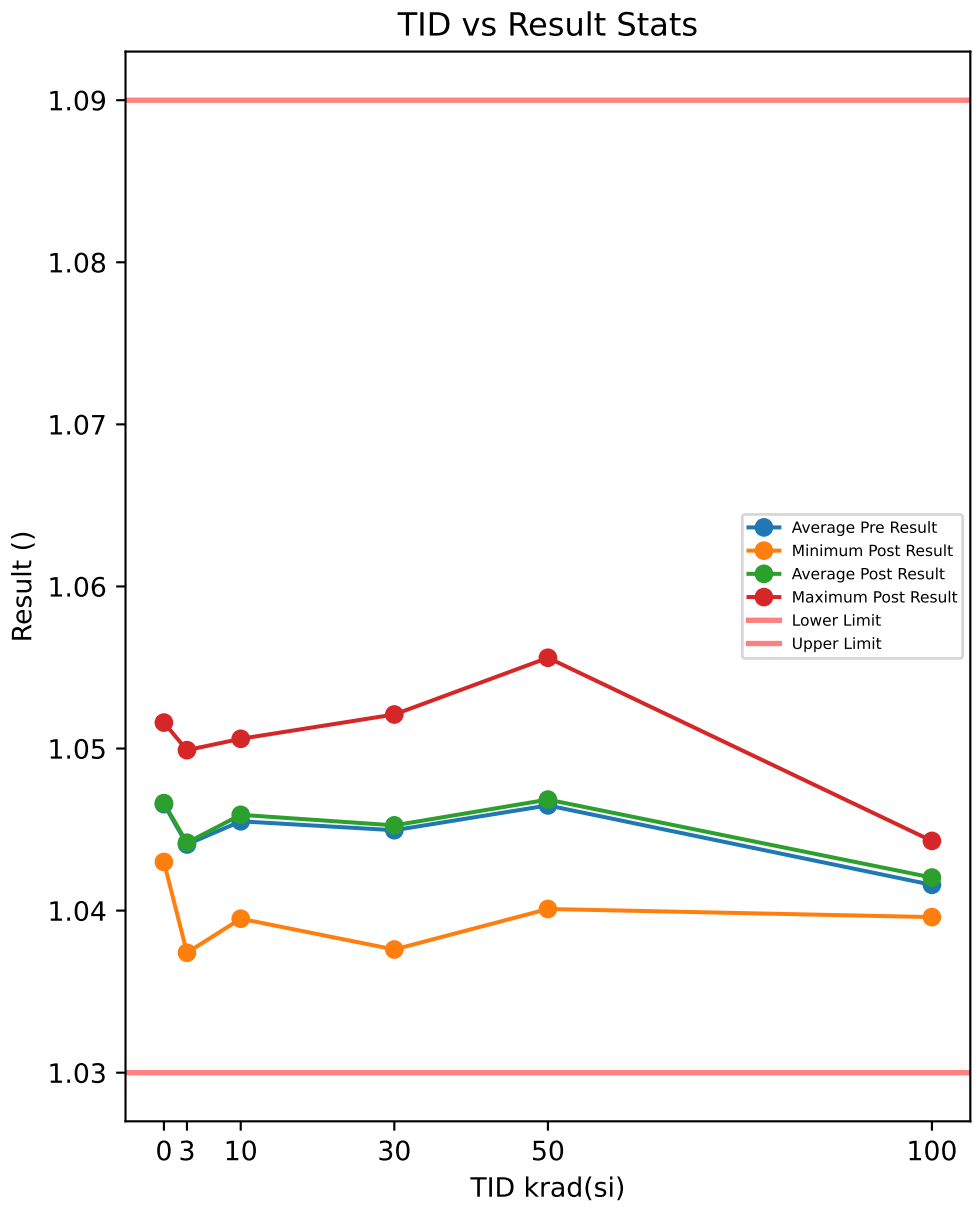
Test Results (Lower Limit = 1.06, Upper Limit = 1.12 ())

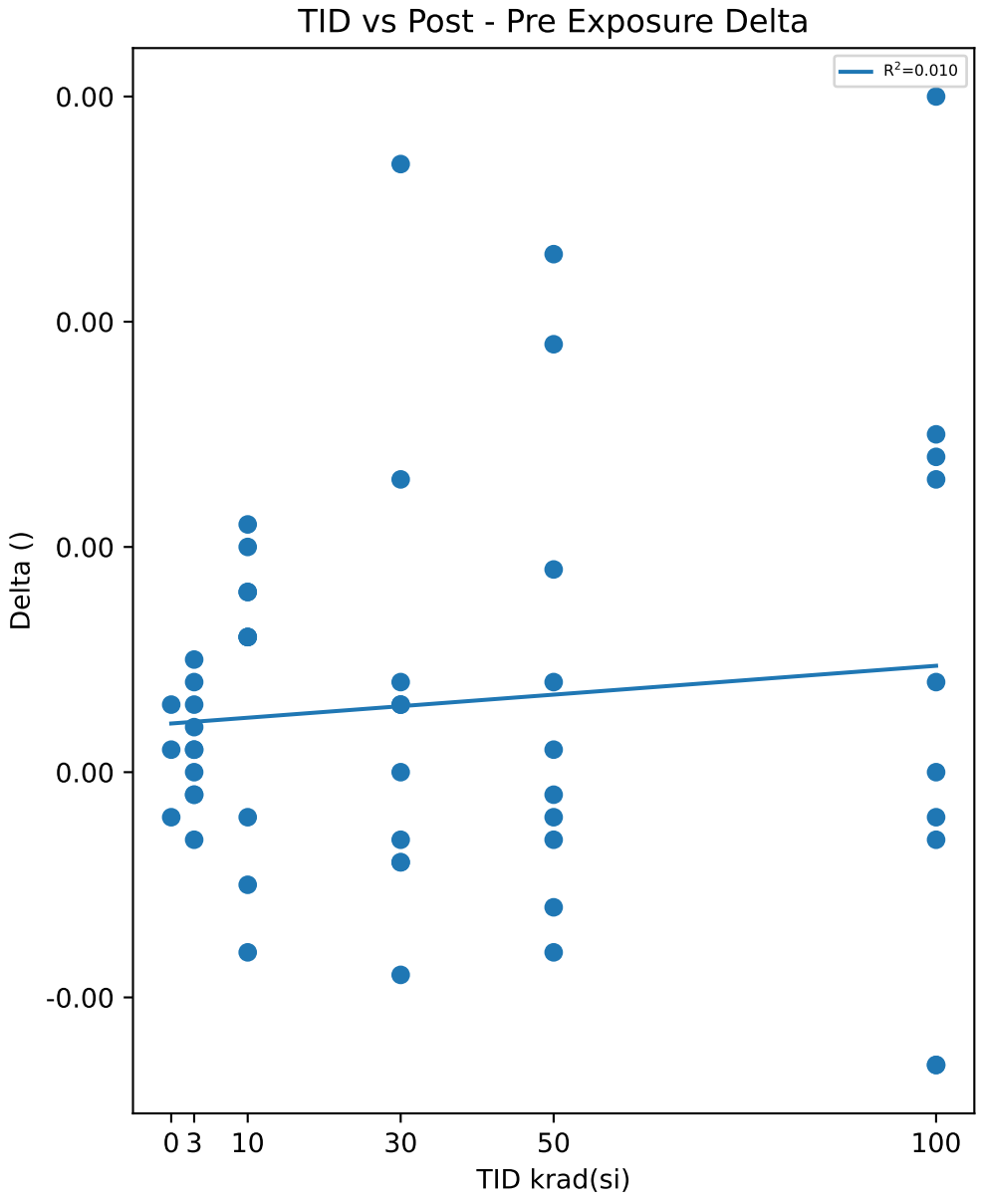
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
390	100	Biased	1.0709	1.0723	0.0014
392	100	Biased	1.0726	1.0714	-0.0012
393	100	Biased	1.0719	1.0734	0.0015
394	100	Biased	1.0751	1.0738	-0.0013
395	100	Biased	1.0751	1.0753	0.0002
412	100	Unbiased	1.0763	1.0761	-0.0002
413	100	Unbiased	1.0724	1.0728	0.0004
414	100	Unbiased	1.0716	1.0748	0.0032
415	100	Unbiased	1.0702	1.0715	0.0013
416	100	Unbiased	1.0752	1.0755	0.0003
417	50	Biased	1.0847	1.0844	-0.0003
418	50	Biased	1.0812	1.0805	-0.0007
419	50	Biased	1.0824	1.0816	-0.0008
421	50	Biased	1.0874	1.0876	0.0002
422	50	Biased	1.0721	1.0717	-0.0004
423	50	Unbiased	1.073	1.0737	0.0007
424	50	Unbiased	1.0826	1.0829	0.0003
425	50	Unbiased	1.0726	1.075	0.0024
426	50	Unbiased	1.0763	1.0766	0.0003
427	50	Unbiased	1.0704	1.0729	0.0025
463	0	Corr	1.0767	1.0768	0.0001
464	0	Corr	1.0746	1.0746	0
465	0	Corr	1.0839	1.0839	0
466	30	Biased	1.0777	1.0779	0.0002
469	30	Biased	1.0702	1.0692	-0.001
470	30	Biased	1.075	1.075	0
472	30	Biased	1.0828	1.0831	0.0003
474	30	Biased	1.0803	1.0797	-0.0006
475	30	Unbiased	1.0839	1.0844	0.0005
477	30	Unbiased	1.0798	1.0805	0.0007
478	30	Unbiased	1.0717	1.0717	0
479	30	Unbiased	1.0721	1.0737	0.0016
480	30	Unbiased	1.0738	1.0765	0.0027
481	10	Biased	1.0822	1.0812	-0.001
482	10	Biased	1.0733	1.074	0.0007
483	10	Biased	1.0818	1.0827	0.0009
484	10	Biased	1.0811	1.0806	-0.0005
485	10	Biased	1.0802	1.0808	0.0006
487	10	Unbiased	1.073	1.074	0.001
488	10	Unbiased	1.0719	1.0727	0.0008
489	10	Unbiased	1.0706	1.0712	0.0006
490	10	Unbiased	1.0809	1.0807	-0.0002
491	10	Unbiased	1.0788	1.0799	0.0011
492	3	Biased	1.0775	1.0772	-0.0003
493	3	Biased	1.069	1.069	0
494	3	Biased	1.0814	1.0818	0.0004
495	3	Biased	1.0754	1.0754	0
496	3	Biased	1.0746	1.0751	0.0005
497	3	Unbiased	1.0813	1.0815	0.0002
498	3	Unbiased	1.0764	1.0764	0
499	3	Unbiased	1.0819	1.082	0.0001
500	3	Unbiased	1.0695	1.0699	0.0004
502	3	Unbiased	1.0717	1.0721	0.0004

Test Statistics ()

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	1.0746	1.0784	1.0839	0.0048775	1.0746	1.0784	1.0839	0.0048604	0	3.3333e-05	0.0001	5.7735e-05
3	1.069	1.0759	1.0819	0.0047884	1.069	1.076	1.082	0.0047617	-0.0003	0.00017	0.0005	0.00025408
10	1.0706	1.0774	1.0822	0.0046043	1.0712	1.0778	1.0827	0.0042645	-0.001	0.0004	0.0011	0.00071181
30	1.0702	1.0767	1.0839	0.0048571	1.0692	1.0772	1.0844	0.0049001	-0.001	0.00044	0.0027	0.0010617
50	1.0704	1.0783	1.0874	0.0060819	1.0717	1.0787	1.0876	0.0054439	-0.0008	0.00042	0.0025	0.0011708
100	1.0702	1.0731	1.0763	0.0021166	1.0714	1.0737	1.0761	0.0016921	-0.0013	0.00056	0.0032	0.0013525

Device Test: 23.12 VSENSE_VTH_FALLING_GOOD(HRESHOLD|FALL/PWRGD/5////@VSENSE_VTH_FALLING_GOOD)





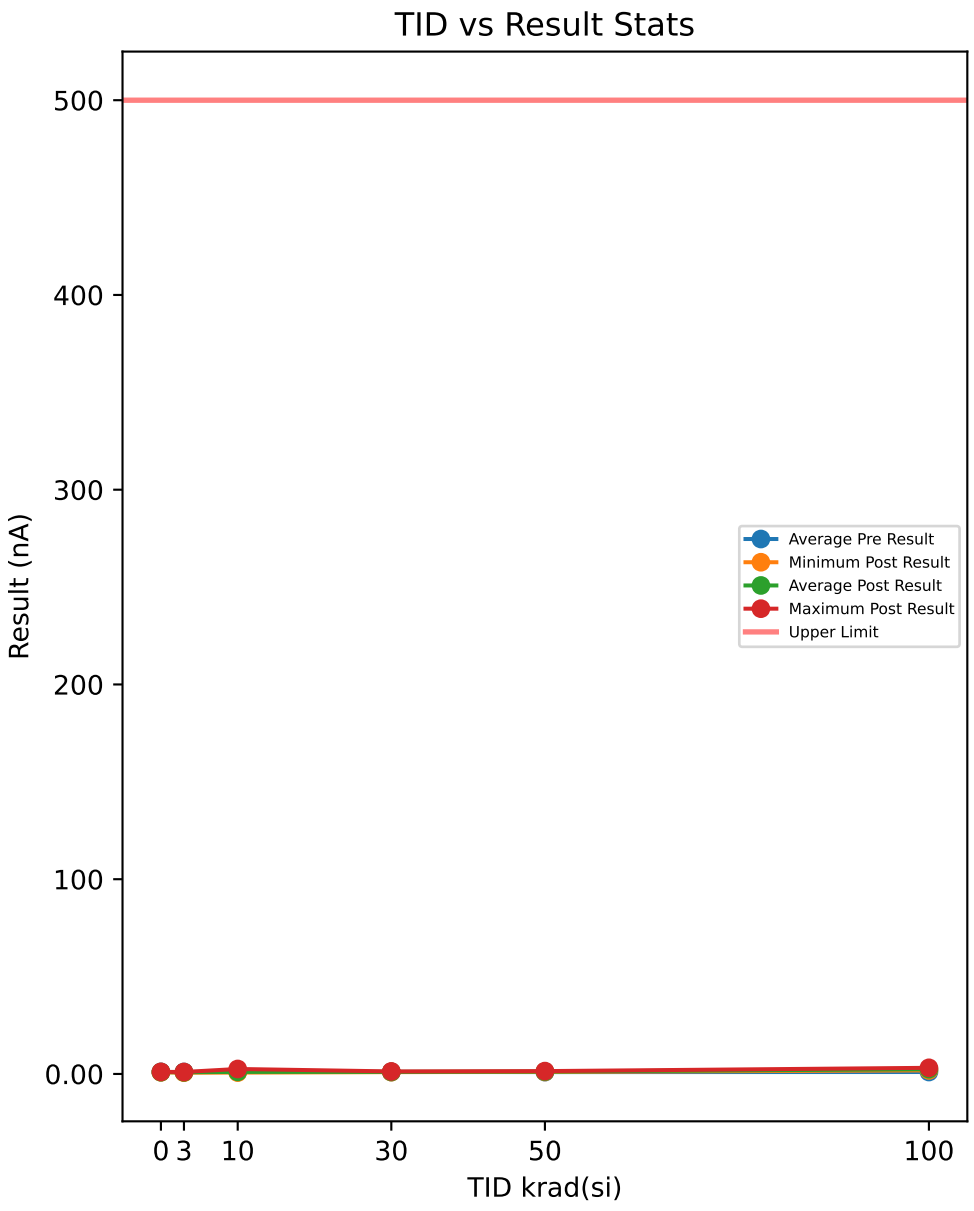
Test Results (Lower Limit = 1.03, Upper Limit = 1.09 ())

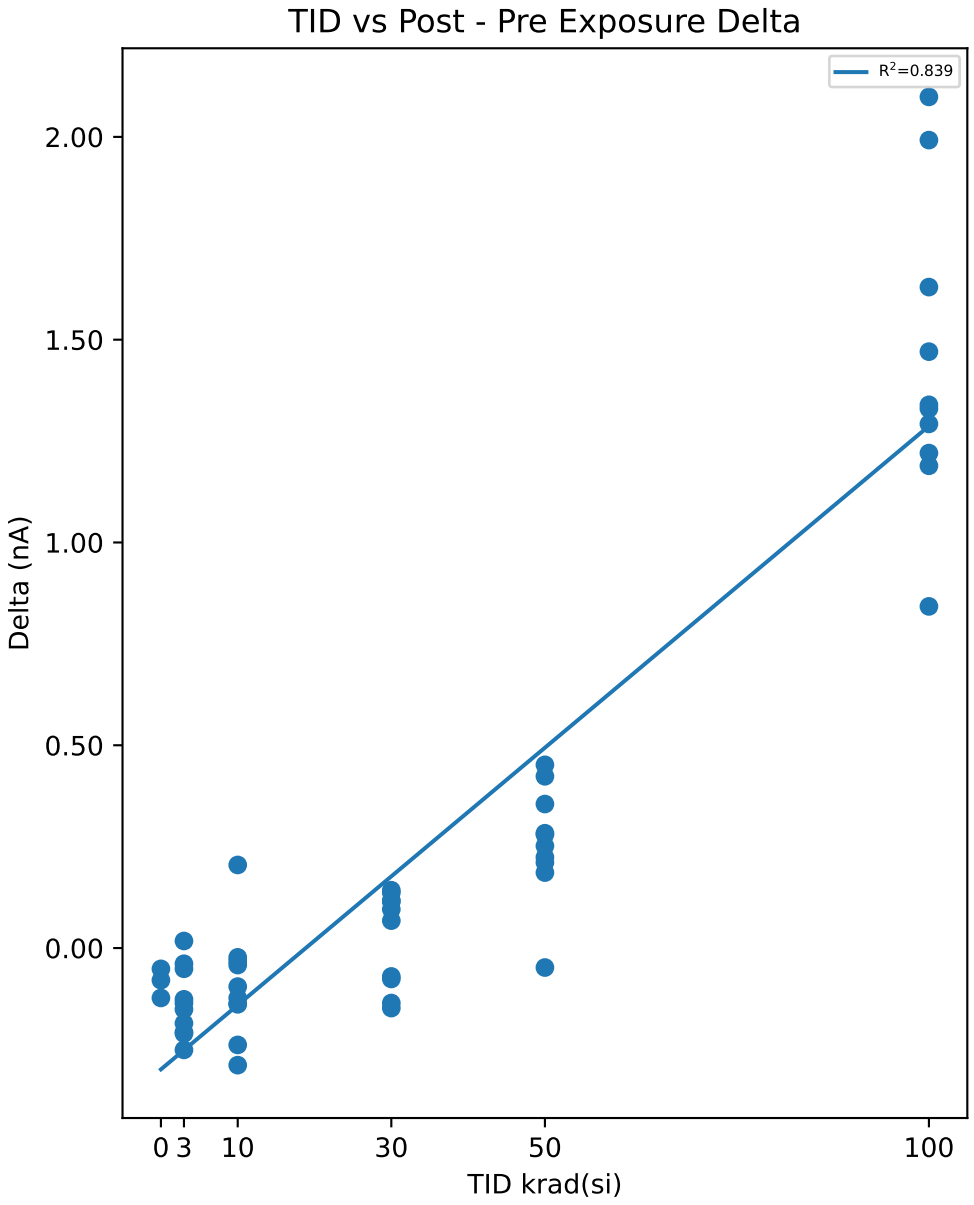
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
390	100	Biased	1.0394	1.0408	0.0014
392	100	Biased	1.0409	1.0396	-0.0013
393	100	Biased	1.0406	1.0419	0.0013
394	100	Biased	1.0434	1.0421	-0.0013
395	100	Biased	1.0441	1.0438	-0.0003
412	100	Unbiased	1.0445	1.0443	-0.0002
413	100	Unbiased	1.0407	1.0411	0.0004
414	100	Unbiased	1.0401	1.0431	0.003
415	100	Unbiased	1.0385	1.04	0.0015
416	100	Unbiased	1.0437	1.0437	0
417	50	Biased	1.0528	1.0526	-0.0002
418	50	Biased	1.0492	1.0486	-0.0006
419	50	Biased	1.0505	1.0497	-0.0008
421	50	Biased	1.0557	1.0556	-0.0001
422	50	Biased	1.0404	1.0401	-0.0003
423	50	Unbiased	1.0411	1.042	0.0009
424	50	Unbiased	1.0505	1.0506	0.0001
425	50	Unbiased	1.0414	1.0433	0.0019
426	50	Unbiased	1.0446	1.045	0.0004
427	50	Unbiased	1.0387	1.041	0.0023
463	0	Corr	1.0452	1.0453	0.0001
464	0	Corr	1.0427	1.043	0.0003
465	0	Corr	1.0518	1.0516	-0.0002
466	30	Biased	1.0462	1.0462	0
469	30	Biased	1.0385	1.0376	-0.0009
470	30	Biased	1.0435	1.0431	-0.0004
472	30	Biased	1.0507	1.051	0.0003
474	30	Biased	1.0484	1.048	-0.0004
475	30	Unbiased	1.0517	1.0521	0.0004
477	30	Unbiased	1.0479	1.0482	0.0003
478	30	Unbiased	1.04	1.0397	-0.0003
479	30	Unbiased	1.0406	1.0419	0.0013
480	30	Unbiased	1.0421	1.0448	0.0027
481	10	Biased	1.0501	1.0493	-0.0008
482	10	Biased	1.0414	1.0424	0.001
483	10	Biased	1.0498	1.0506	0.0008
484	10	Biased	1.049	1.0485	-0.0005
485	10	Biased	1.0483	1.0489	0.0006
487	10	Unbiased	1.0415	1.0421	0.0006
488	10	Unbiased	1.0402	1.041	0.0008
489	10	Unbiased	1.0389	1.0395	0.0006
490	10	Unbiased	1.049	1.0488	-0.0002
491	10	Unbiased	1.0469	1.048	0.0011
492	3	Biased	1.0456	1.0453	-0.0003
493	3	Biased	1.0373	1.0374	0.0001
494	3	Biased	1.0493	1.0493	0
495	3	Biased	1.0437	1.0436	-0.0001
496	3	Biased	1.0429	1.0434	0.0005
497	3	Unbiased	1.0493	1.0494	0.0001
498	3	Unbiased	1.0447	1.045	0.0003
499	3	Unbiased	1.05	1.0499	-0.0001
500	3	Unbiased	1.0378	1.0382	0.0004
502	3	Unbiased	1.0402	1.0404	0.0002

Test Statistics ()

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	1.0427	1.0466	1.0518	0.0047014	1.043	1.0466	1.0516	0.0044523	-0.0002	6.6667e-05	0.0003	0.00025166
3	1.0373	1.0441	1.05	0.0046456	1.0374	1.0442	1.0499	0.0045347	-0.0003	0.00011	0.0005	0.00024698
10	1.0389	1.0455	1.0501	0.0044523	1.0395	1.0459	1.0506	0.0041351	-0.0008	0.0004	0.0011	0.00065828
30	1.0385	1.045	1.0517	0.0046672	1.0376	1.0453	1.0521	0.0047437	-0.0009	0.0003	0.0027	0.0010349
50	1.0387	1.0465	1.0557	0.005967	1.0401	1.0469	1.0556	0.0053146	-0.0008	0.00036	0.0023	0.0010394
100	1.0385	1.0416	1.0445	0.0021424	1.0396	1.042	1.0443	0.0016548	-0.0013	0.00045	0.003	0.0013559

Device Test: 23.13 PWRGD_OUTPUT_HIGH_LEAK(LEAK|MAX/PWRGD/5////@PWRGD_OUTPUT_HIGH_LEAK)





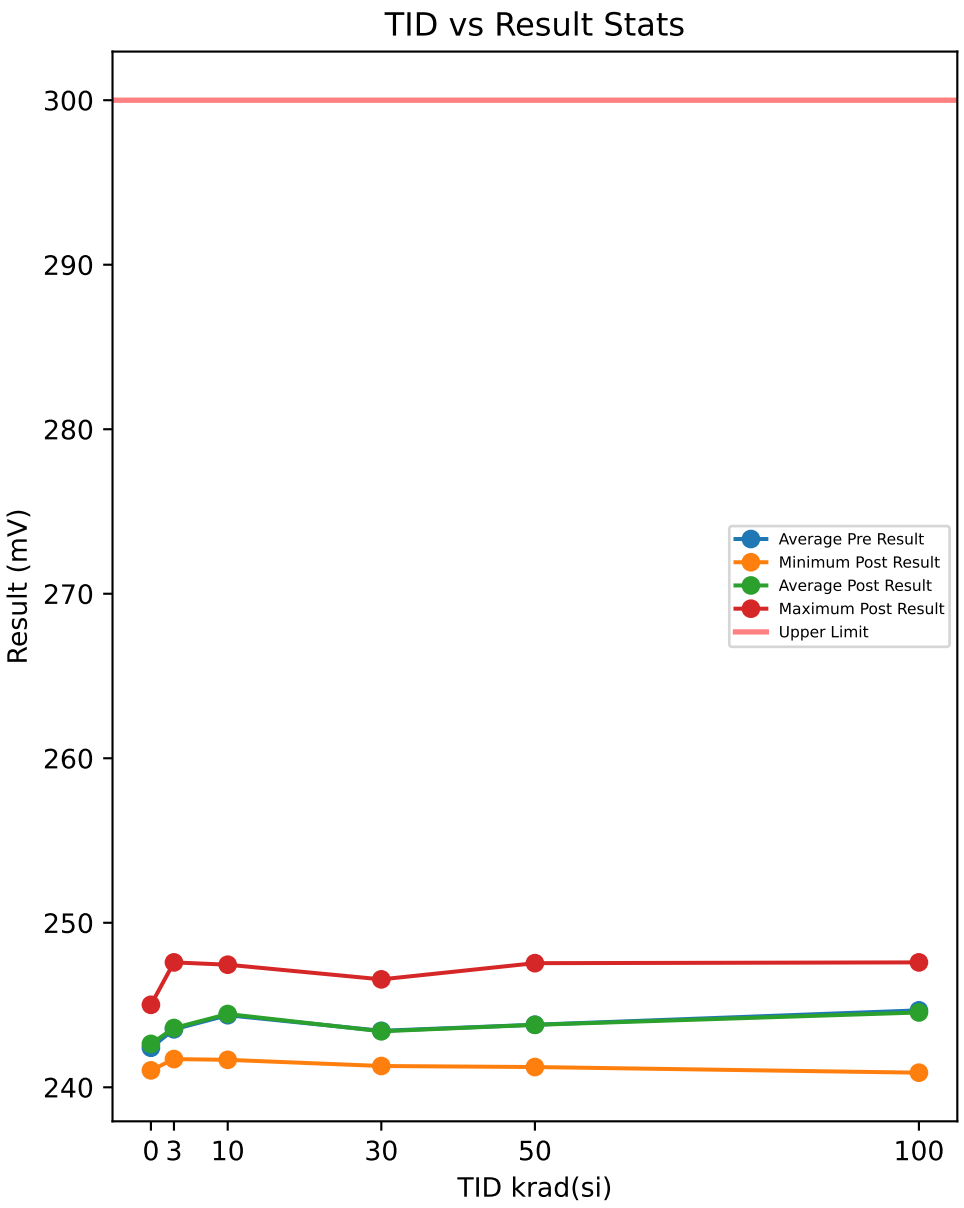
Test Results (Upper Limit = 500.0 (nA))

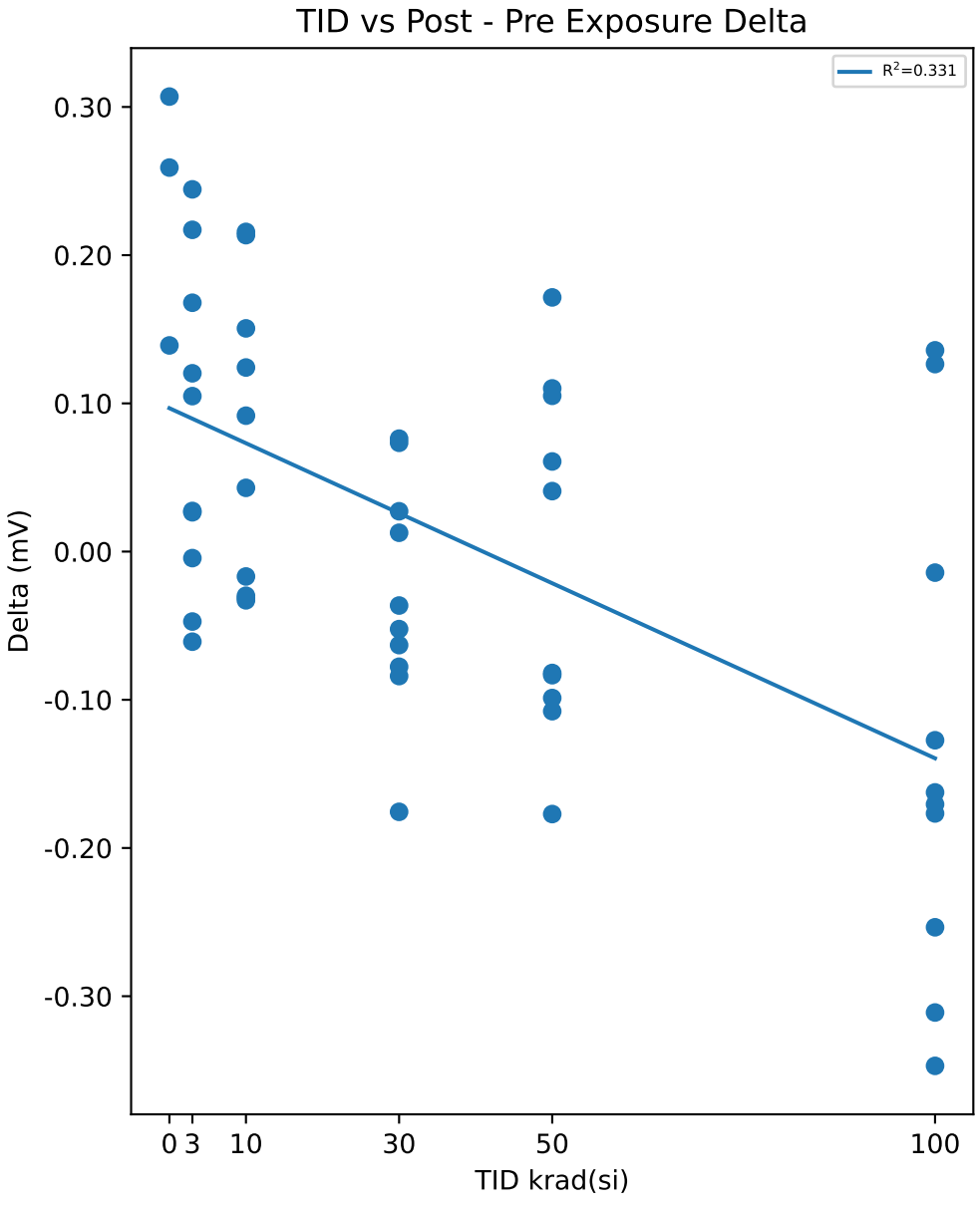
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
390	100	Biased	0.8498	2.0702	1.2204
392	100	Biased	1.0153	2.3076	1.2923
393	100	Biased	0.8124	2.8045	1.9921
394	100	Biased	0.9841	1.8265	0.8424
395	100	Biased	1.1214	2.4514	1.33
412	100	Unbiased	0.9404	2.1295	1.1891
413	100	Unbiased	1.1651	2.5045	1.3394
414	100	Unbiased	1.0527	3.1513	2.0986
415	100	Unbiased	0.9248	2.5545	1.6297
416	100	Unbiased	1.0746	2.5451	1.4705
417	50	Biased	0.8623	1.0734	0.2111
418	50	Biased	1.112	1.4671	0.3551
419	50	Biased	0.9404	1.1265	0.1861
421	50	Biased	1.0402	1.264	0.2238
422	50	Biased	0.8811	1.3328	0.4517
423	50	Unbiased	1.0902	1.0422	-0.048
424	50	Unbiased	0.9809	1.264	0.2831
425	50	Unbiased	0.9372	1.189	0.2518
426	50	Unbiased	0.7593	1.1828	0.4235
427	50	Unbiased	0.9528	1.2328	0.28
463	0	Corr	1.1495	1.0703	-0.0792
464	0	Corr	0.8998	0.8485	-0.0513
465	0	Corr	1.0121	0.8891	-0.123
466	30	Biased	0.9279	1.0234	0.0955
469	30	Biased	1.0746	1.1422	0.0676
470	30	Biased	1.0621	1.2047	0.1426
472	30	Biased	0.9997	0.9297	-0.07
474	30	Biased	1.0246	0.9484	-0.0762
475	30	Unbiased	0.8842	0.9984	0.1142
477	30	Unbiased	1.1869	1.3046	0.1177
478	30	Unbiased	1.0933	0.9453	-0.148
479	30	Unbiased	1.0652	0.9297	-0.1355
480	30	Unbiased	1.009	1.1453	0.1363
481	10	Biased	2.6976	2.5607	-0.1369
482	10	Biased	0.8873	1.0922	0.2049
483	10	Biased	0.9341	0.6953	-0.2388
484	10	Biased	1.0153	0.8766	-0.1387
485	10	Biased	0.9778	0.9453	-0.0325
487	10	Unbiased	0.9809	0.6922	-0.2887
488	10	Unbiased	0.8654	0.8235	-0.0419
489	10	Unbiased	0.9653	0.8422	-0.1231
490	10	Unbiased	0.9591	0.8641	-0.095
491	10	Unbiased	1.2338	1.2109	-0.0229
492	3	Biased	0.9965	0.9578	-0.0387
493	3	Biased	0.853	0.7266	-0.1264
494	3	Biased	1.1464	0.8953	-0.2511
495	3	Biased	0.8342	0.8516	0.0174
496	3	Biased	0.8592	0.6485	-0.2107
497	3	Unbiased	1.1151	0.9078	-0.2073
498	3	Unbiased	1.0683	1.0172	-0.0511
499	3	Unbiased	1.0558	0.9047	-0.1511
500	3	Unbiased	1.0184	0.8828	-0.1356
502	3	Unbiased	0.9965	0.811	-0.1855

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	0.8998	1.0205	1.1495	0.12506	0.8485	0.93597	1.0703	0.11809	-0.123	-0.0845	-0.0513	0.036143
3	0.8342	0.99434	1.1464	0.11127	0.6485	0.86033	1.0172	0.10818	-0.2511	-0.13401	0.0174	0.086184
10	0.8654	1.1517	2.6976	0.55233	0.6922	1.0603	2.5607	0.55103	-0.2887	-0.09136	0.2049	0.13515
30	0.8842	1.0327	1.1869	0.085556	0.9297	1.0572	1.3046	0.13309	-0.148	0.02442	0.1426	0.11762
50	0.7593	0.95564	1.112	0.10736	1.0422	1.2175	1.4671	0.12559	-0.048	0.26182	0.4517	0.14044
100	0.8124	0.99406	1.1651	0.11423	1.8265	2.4345	3.1513	0.37918	0.8424	1.4405	2.0986	0.37827

Device Test: 23.14 PWRGD_OUTPUT_LOW(VOL|2mA/PWRGD/5////@PWRGD_OUTPUT_LOW)





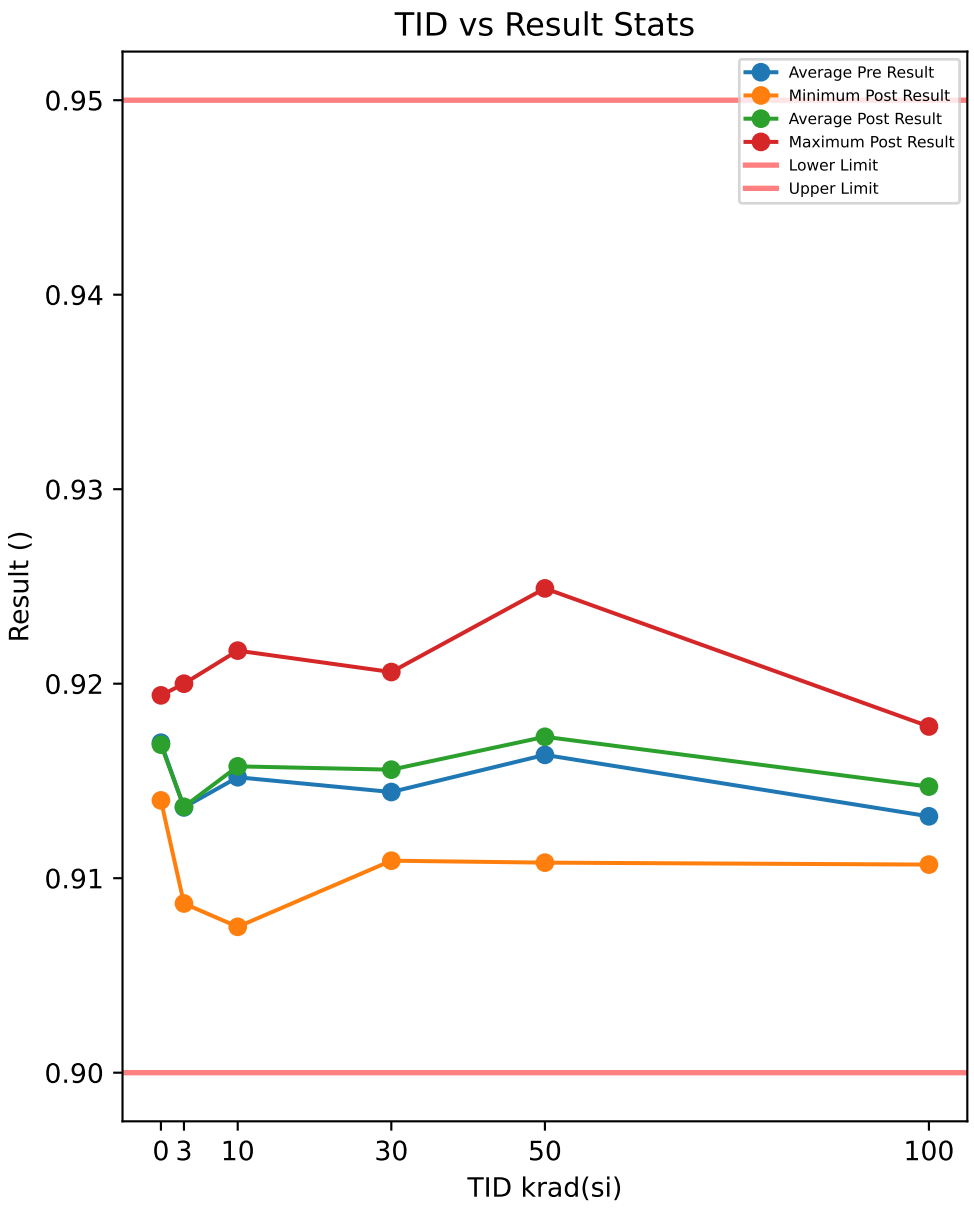
Test Results (Upper Limit = 300.0 (mV))

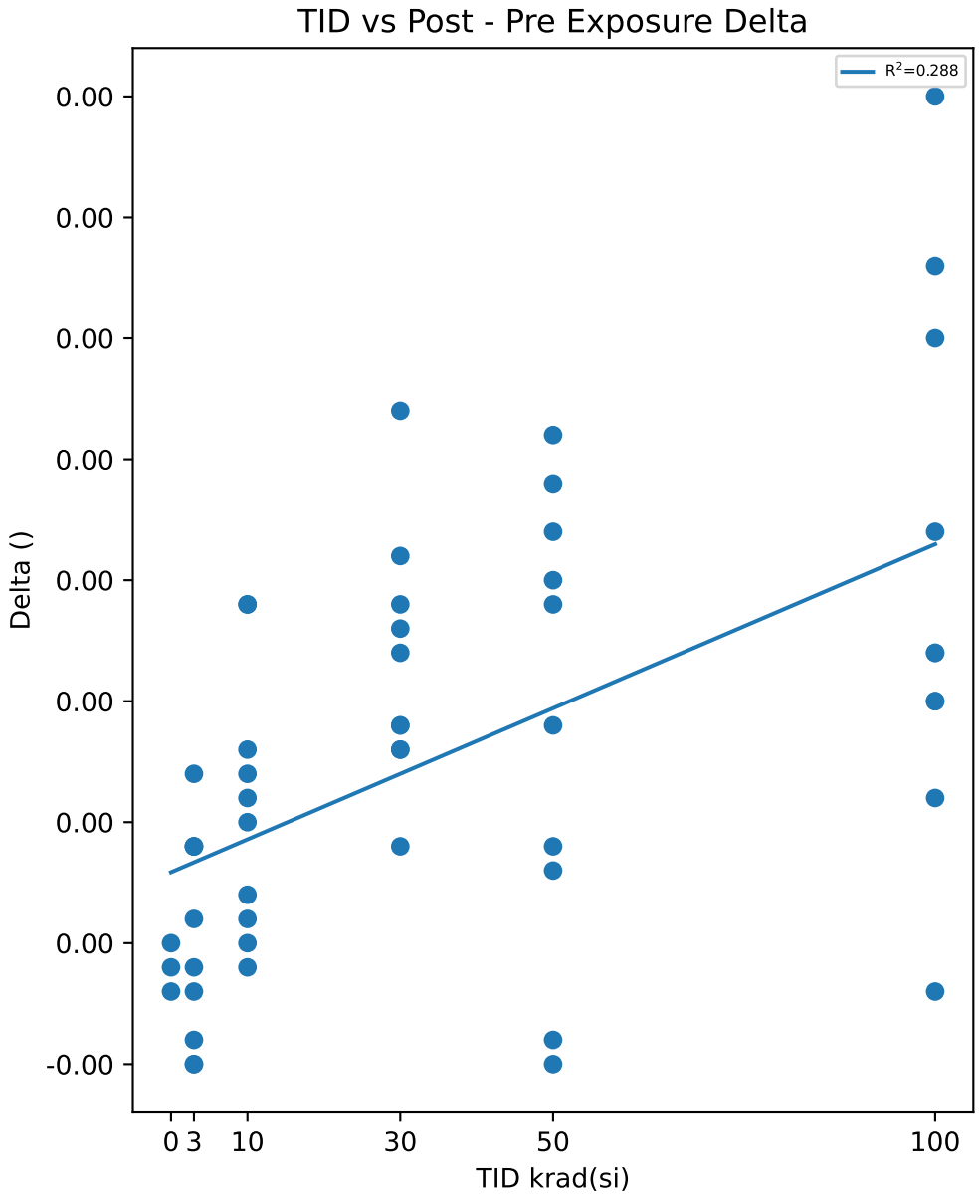
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
390	100	Biased	243.58	243.23	-0.347
392	100	Biased	242.24	242.06	-0.1767
393	100	Biased	243.31	243.06	-0.2535
394	100	Biased	241.05	240.89	-0.1625
395	100	Biased	244.42	244.29	-0.1273
412	100	Unbiased	247.42	247.25	-0.1705
413	100	Unbiased	247.47	247.59	0.1265
414	100	Unbiased	242.16	242.29	0.1358
415	100	Unbiased	247.53	247.51	-0.0142
416	100	Unbiased	247.61	247.3	-0.311
417	50	Biased	241.83	241.75	-0.0834
418	50	Biased	242.03	241.93	-0.0988
419	50	Biased	243.08	243	-0.0819
421	50	Biased	246.9	247.01	0.1101
422	50	Biased	241.89	241.72	-0.1771
423	50	Unbiased	244.8	244.86	0.0608
424	50	Unbiased	247.65	247.55	-0.1077
425	50	Unbiased	242.72	242.83	0.1051
426	50	Unbiased	241.19	241.23	0.0408
427	50	Unbiased	245.92	246.09	0.1715
463	0	Corr	244.87	245.01	0.1391
464	0	Corr	241.56	241.87	0.307
465	0	Corr	240.77	241.03	0.2591
466	30	Biased	243.19	243.01	-0.1756
469	30	Biased	245.78	245.72	-0.0631
470	30	Biased	246.64	246.56	-0.0777
472	30	Biased	242.31	242.39	0.0734
474	30	Biased	241.99	241.95	-0.0364
475	30	Unbiased	242.88	242.9	0.0272
477	30	Unbiased	241.38	241.29	-0.084
478	30	Unbiased	241.78	241.73	-0.0523
479	30	Unbiased	244.56	244.64	0.0762
480	30	Unbiased	243.83	243.84	0.0127
481	10	Biased	241.52	241.67	0.1506
482	10	Biased	242.99	243.03	0.043
483	10	Biased	247.48	247.45	-0.0298
484	10	Biased	244.58	244.67	0.0917
485	10	Biased	245.3	245.28	-0.0168
487	10	Unbiased	241.77	241.98	0.2135
488	10	Unbiased	245.5	245.62	0.1242
489	10	Unbiased	243.64	243.86	0.2157
490	10	Unbiased	244.83	244.79	-0.0329
491	10	Unbiased	246.22	246.19	-0.0313
492	3	Biased	242.47	242.58	0.1049
493	3	Biased	247.65	247.59	-0.0608
494	3	Biased	244.81	245.03	0.2171
495	3	Biased	242.22	242.34	0.1203
496	3	Biased	242.86	243.03	0.1679
497	3	Unbiased	243.05	243.08	0.0274
498	3	Unbiased	242.53	242.53	-0.0044
499	3	Unbiased	241.47	241.72	0.2444
500	3	Unbiased	242.22	242.25	0.0265
502	3	Unbiased	245.95	245.9	-0.0472

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	240.77	242.4	244.87	2.1771	241.03	242.64	245.01	2.1002	0.1391	0.23507	0.307	0.086492
3	241.47	243.52	247.65	1.9712	241.72	243.6	247.59	1.9164	-0.0608	0.07961	0.2444	0.10778
10	241.52	244.38	247.48	1.9098	241.67	244.45	247.45	1.8394	-0.0329	0.07279	0.2157	0.1004
30	241.38	243.43	246.64	1.7598	241.29	243.4	246.56	1.7584	-0.1756	-0.02996	0.0762	0.078237
50	241.19	243.8	247.65	2.3357	241.23	243.8	247.55	2.3795	-0.1771	-0.00606	0.1715	0.11736
100	241.05	244.68	247.61	2.5947	240.89	244.55	247.59	2.6159	-0.347	-0.13004	0.1358	0.16661

Device Test: 23.16 VSENSE_VTH_FALLING_FAULT(HRESHOLD|FALL/PWRGD/12////@VSENSE_VTH_FALLING_FAULT)





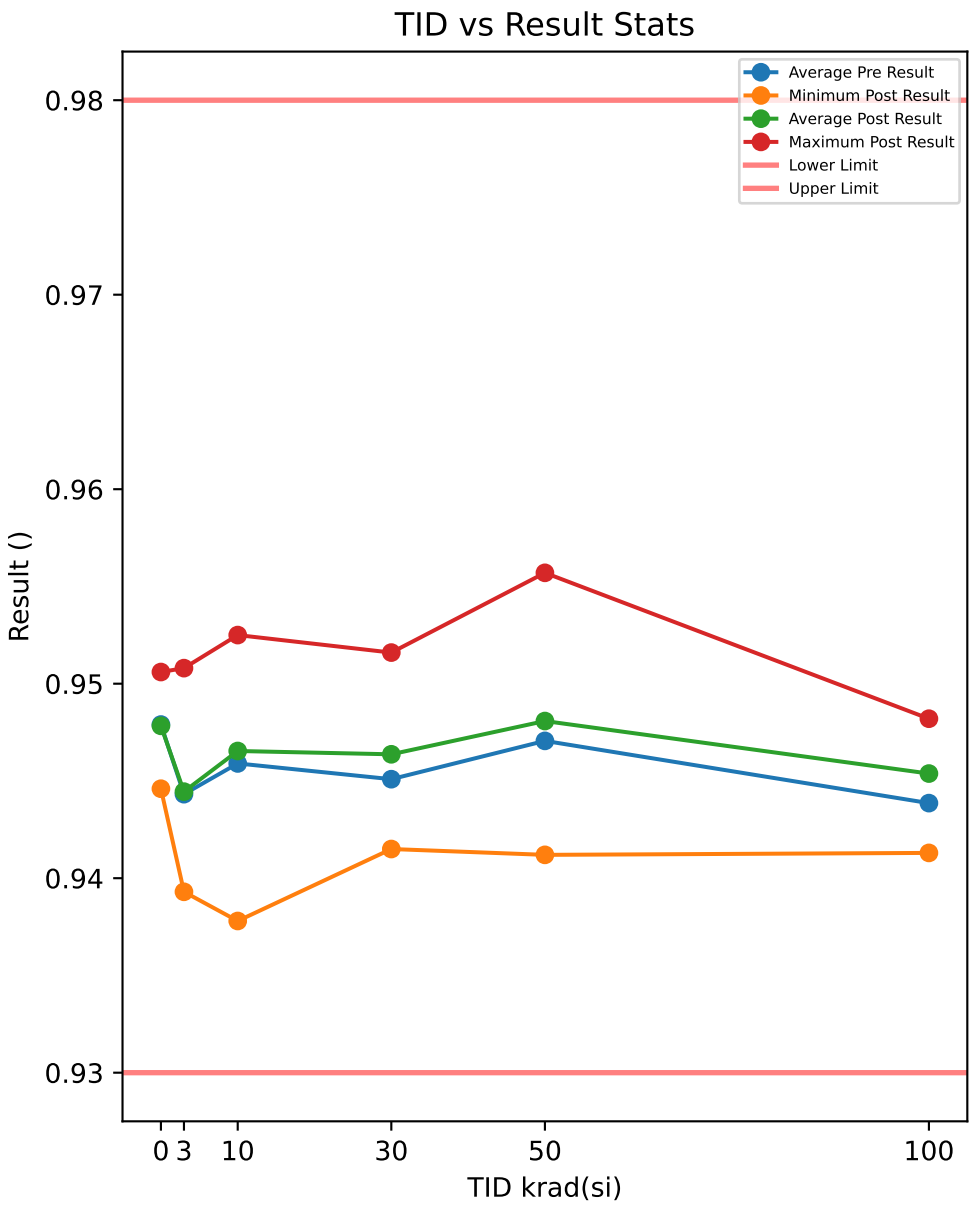
Test Results (Lower Limit = 0.9, Upper Limit = 0.95 ())

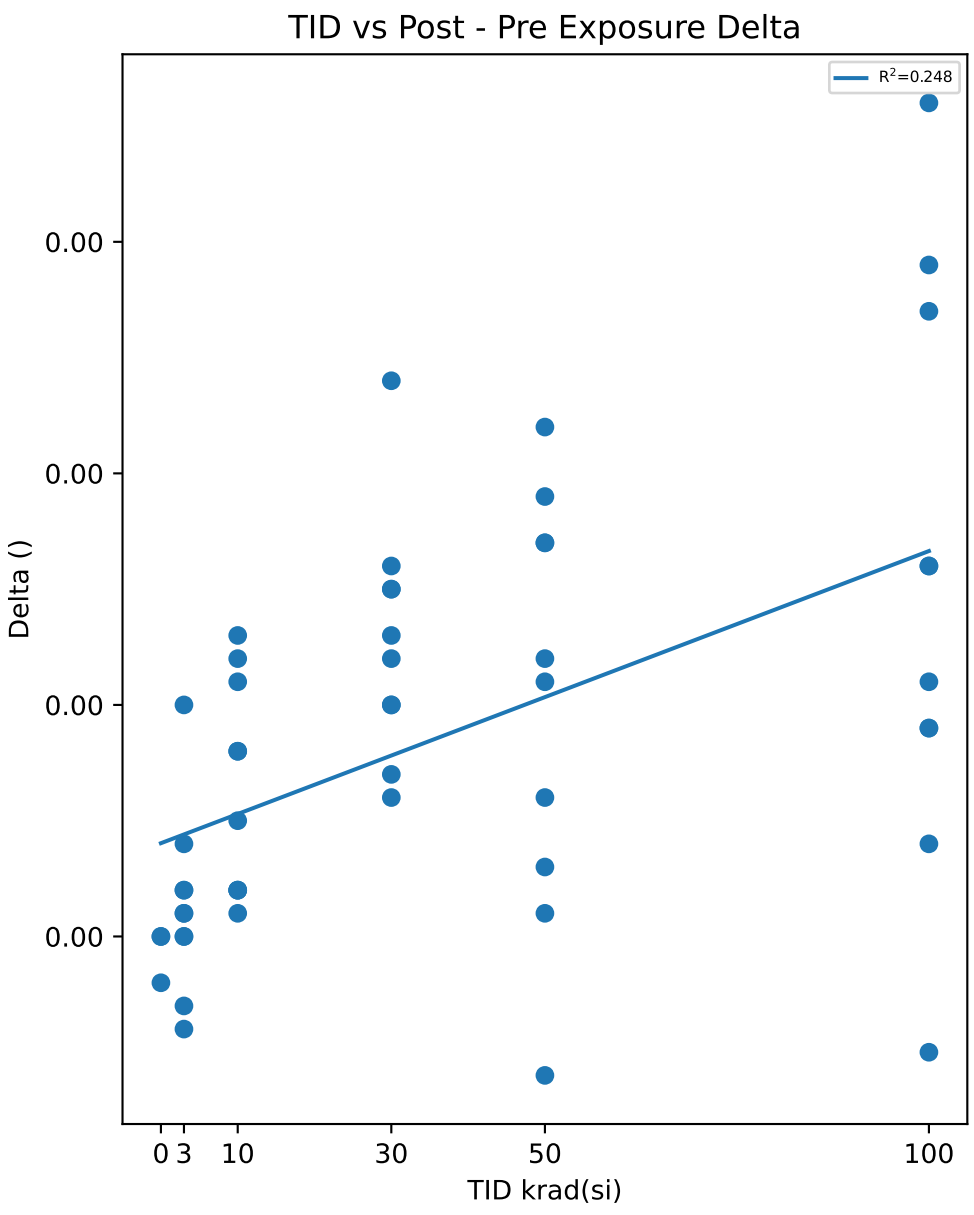
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
390	100	Biased	0.909	0.9107	0.0017
392	100	Biased	0.9122	0.9132	0.001
393	100	Biased	0.909	0.9125	0.0035
394	100	Biased	0.9162	0.916	-0.0002
395	100	Biased	0.9142	0.9154	0.0012
412	100	Unbiased	0.9158	0.9168	0.001
413	100	Unbiased	0.9141	0.9147	0.0006
414	100	Unbiased	0.9131	0.9159	0.0028
415	100	Unbiased	0.9116	0.9141	0.0025
416	100	Unbiased	0.9166	0.9178	0.0012
417	50	Biased	0.9229	0.9238	0.0009
418	50	Biased	0.9167	0.917	0.0003
419	50	Biased	0.9218	0.9235	0.0017
421	50	Biased	0.923	0.9249	0.0019
422	50	Biased	0.9119	0.9123	0.0004
423	50	Unbiased	0.9136	0.9151	0.0015
424	50	Unbiased	0.9207	0.9203	-0.0004
425	50	Unbiased	0.9118	0.9132	0.0014
426	50	Unbiased	0.9123	0.9118	-0.0005
427	50	Unbiased	0.9087	0.9108	0.0021
463	0	Corr	0.9172	0.9172	0
464	0	Corr	0.9142	0.914	-0.0002
465	0	Corr	0.9195	0.9194	-0.0001
466	30	Biased	0.9154	0.9163	0.0009
469	30	Biased	0.9093	0.9109	0.0016
470	30	Biased	0.9115	0.9123	0.0008
472	30	Biased	0.9189	0.9203	0.0014
474	30	Biased	0.9167	0.9176	0.0009
475	30	Unbiased	0.9194	0.9206	0.0012
477	30	Unbiased	0.9168	0.9176	0.0008
478	30	Unbiased	0.9137	0.9141	0.0004
479	30	Unbiased	0.9117	0.913	0.0013
480	30	Unbiased	0.9109	0.9131	0.0022
481	10	Biased	0.9191	0.9193	0.0002
482	10	Biased	0.9121	0.9128	0.0007
483	10	Biased	0.9209	0.9217	0.0008
484	10	Biased	0.9184	0.9184	0
485	10	Biased	0.9148	0.9154	0.0006
487	10	Unbiased	0.9117	0.9131	0.0014
488	10	Unbiased	0.907	0.9075	0.0005
489	10	Unbiased	0.913	0.9131	0.0001
490	10	Unbiased	0.92	0.9199	-0.0001
491	10	Unbiased	0.9149	0.9163	0.0014
492	3	Biased	0.9153	0.9148	-0.0005
493	3	Biased	0.9088	0.9087	-0.0001
494	3	Biased	0.9193	0.92	0.0007
495	3	Biased	0.9127	0.9123	-0.0004
496	3	Biased	0.9104	0.9108	0.0004
497	3	Unbiased	0.9183	0.9181	-0.0002
498	3	Unbiased	0.913	0.9134	0.0004
499	3	Unbiased	0.9161	0.9156	-0.0005
500	3	Unbiased	0.9101	0.9102	0.0001
502	3	Unbiased	0.9124	0.9128	0.0004

Test Statistics ()

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	0.9142	0.91697	0.9195	0.0026577	0.914	0.91687	0.9194	0.0027154	-0.0002	-0.0001	0	0.0001
3	0.9088	0.91364	0.9193	0.0035252	0.9087	0.91367	0.92	0.0035337	-0.0005	3e-05	0.0007	0.00043218
10	0.907	0.91519	0.9209	0.0044117	0.9075	0.91575	0.9217	0.004262	-0.0001	0.00056	0.0014	0.00053583
30	0.9093	0.91443	0.9194	0.0035236	0.9109	0.91558	0.9206	0.0033963	0.0004	0.00115	0.0022	0.00050827
50	0.9087	0.91634	0.923	0.0053631	0.9108	0.91727	0.9249	0.0054435	-0.0005	0.00093	0.0021	0.00093933
100	0.909	0.91318	0.9166	0.0027483	0.9107	0.91471	0.9178	0.0021367	-0.0002	0.00153	0.0035	0.0011106

Device Test: 23.17 VSENSE_VTH_RISING_GOOD(HRESHOLD|RISE/PWRGD/12////@VSENSE_VTH_RISING_GOOD)





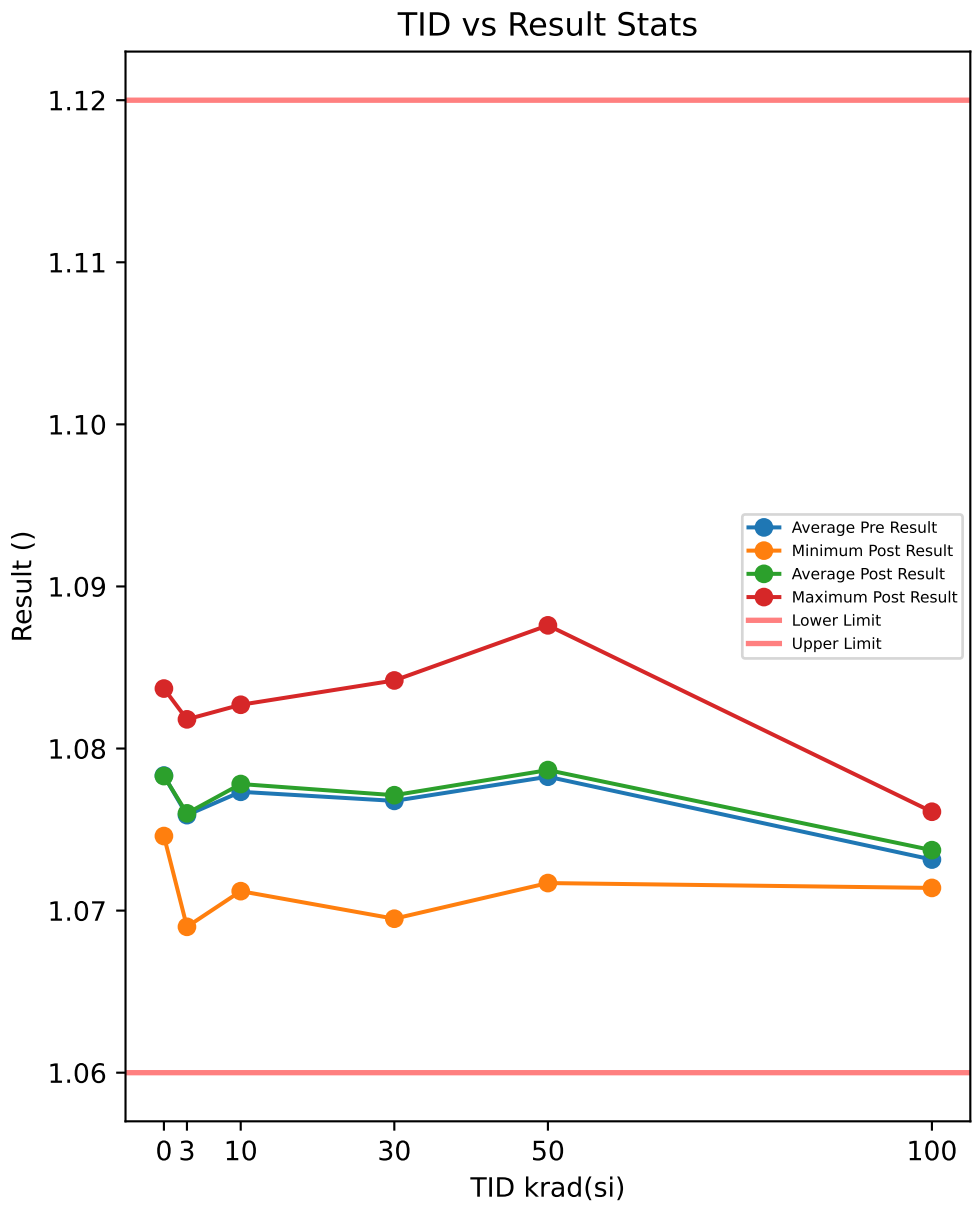
Test Results (Lower Limit = 0.93, Upper Limit = 0.98 ())

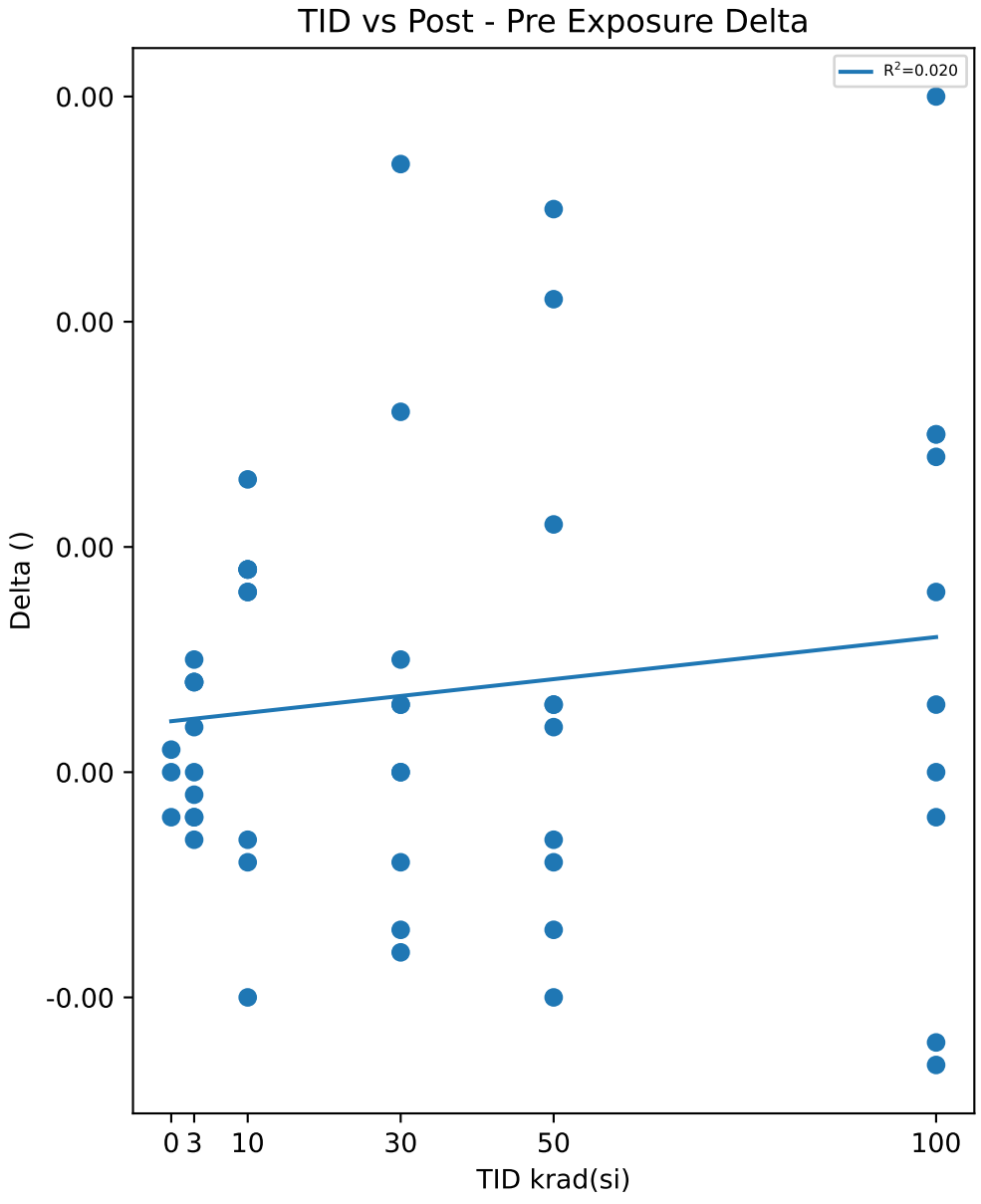
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
390	100	Biased	0.9397	0.9413	0.0016
392	100	Biased	0.9429	0.9438	0.0009
393	100	Biased	0.9396	0.9432	0.0036
394	100	Biased	0.9471	0.9466	-0.0005
395	100	Biased	0.9446	0.9462	0.0016
412	100	Unbiased	0.9466	0.9477	0.0011
413	100	Unbiased	0.9448	0.9452	0.0004
414	100	Unbiased	0.9439	0.9468	0.0029
415	100	Unbiased	0.9421	0.9448	0.0027
416	100	Unbiased	0.9473	0.9482	0.0009
417	50	Biased	0.954	0.9551	0.0011
418	50	Biased	0.9474	0.9477	0.0003
419	50	Biased	0.9527	0.9544	0.0017
421	50	Biased	0.954	0.9557	0.0017
422	50	Biased	0.9425	0.9431	0.0006
423	50	Unbiased	0.9438	0.9457	0.0019
424	50	Unbiased	0.9513	0.9514	0.0001
425	50	Unbiased	0.9427	0.9439	0.0012
426	50	Unbiased	0.9432	0.9426	-0.0006
427	50	Unbiased	0.939	0.9412	0.0022
463	0	Corr	0.9485	0.9483	-0.0002
464	0	Corr	0.9446	0.9446	0
465	0	Corr	0.9506	0.9506	0
466	30	Biased	0.946	0.9473	0.0013
469	30	Biased	0.94	0.9415	0.0015
470	30	Biased	0.9425	0.9431	0.0006
472	30	Biased	0.95	0.9512	0.0012
474	30	Biased	0.9476	0.9486	0.001
475	30	Unbiased	0.95	0.9516	0.0016
477	30	Unbiased	0.9474	0.9484	0.001
478	30	Unbiased	0.9439	0.9446	0.0007
479	30	Unbiased	0.9422	0.9437	0.0015
480	30	Unbiased	0.9413	0.9437	0.0024
481	10	Biased	0.9499	0.9501	0.0002
482	10	Biased	0.9425	0.9436	0.0011
483	10	Biased	0.9517	0.9525	0.0008
484	10	Biased	0.949	0.9495	0.0005
485	10	Biased	0.9455	0.9463	0.0008
487	10	Unbiased	0.9424	0.9437	0.0013
488	10	Unbiased	0.9377	0.9378	0.0001
489	10	Unbiased	0.9436	0.9438	0.0002
490	10	Unbiased	0.9508	0.951	0.0002
491	10	Unbiased	0.9459	0.9471	0.0012
492	3	Biased	0.946	0.9457	-0.0003
493	3	Biased	0.9392	0.9393	0.0001
494	3	Biased	0.9498	0.9508	0.001
495	3	Biased	0.9432	0.9433	0.0001
496	3	Biased	0.9411	0.9415	0.0004
497	3	Unbiased	0.9492	0.9492	0
498	3	Unbiased	0.9443	0.9443	0
499	3	Unbiased	0.9468	0.9464	-0.0004
500	3	Unbiased	0.9406	0.9408	0.0002
502	3	Unbiased	0.943	0.9432	0.0002

Test Statistics ()

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	0.9446	0.9479	0.9506	0.0030447	0.9446	0.94783	0.9506	0.0030271	-0.0002	-6.6667e-05	0	0.00011547
3	0.9392	0.94432	0.9498	0.0035938	0.9393	0.94445	0.9508	0.003647	-0.0004	0.00013	0.001	0.00038601
10	0.9377	0.9459	0.9517	0.0044692	0.9378	0.94654	0.9525	0.004445	0.0001	0.00064	0.0013	0.00045995
30	0.94	0.94509	0.95	0.0036122	0.9415	0.94637	0.9516	0.0035346	0.0006	0.00128	0.0024	0.00051812
50	0.939	0.94706	0.954	0.005543	0.9412	0.94808	0.9557	0.005615	-0.0006	0.00102	0.0022	0.00090037
100	0.9396	0.94386	0.9473	0.0028036	0.9413	0.94538	0.9482	0.0021545	-0.0005	0.00152	0.0036	0.0012435

Device Test: 23.18 VSENSE_VTH_RISING_FAULT(HRESHOLD|RISE/PWRGD/12////@VSENSE_VTH_RISING_FAULT)





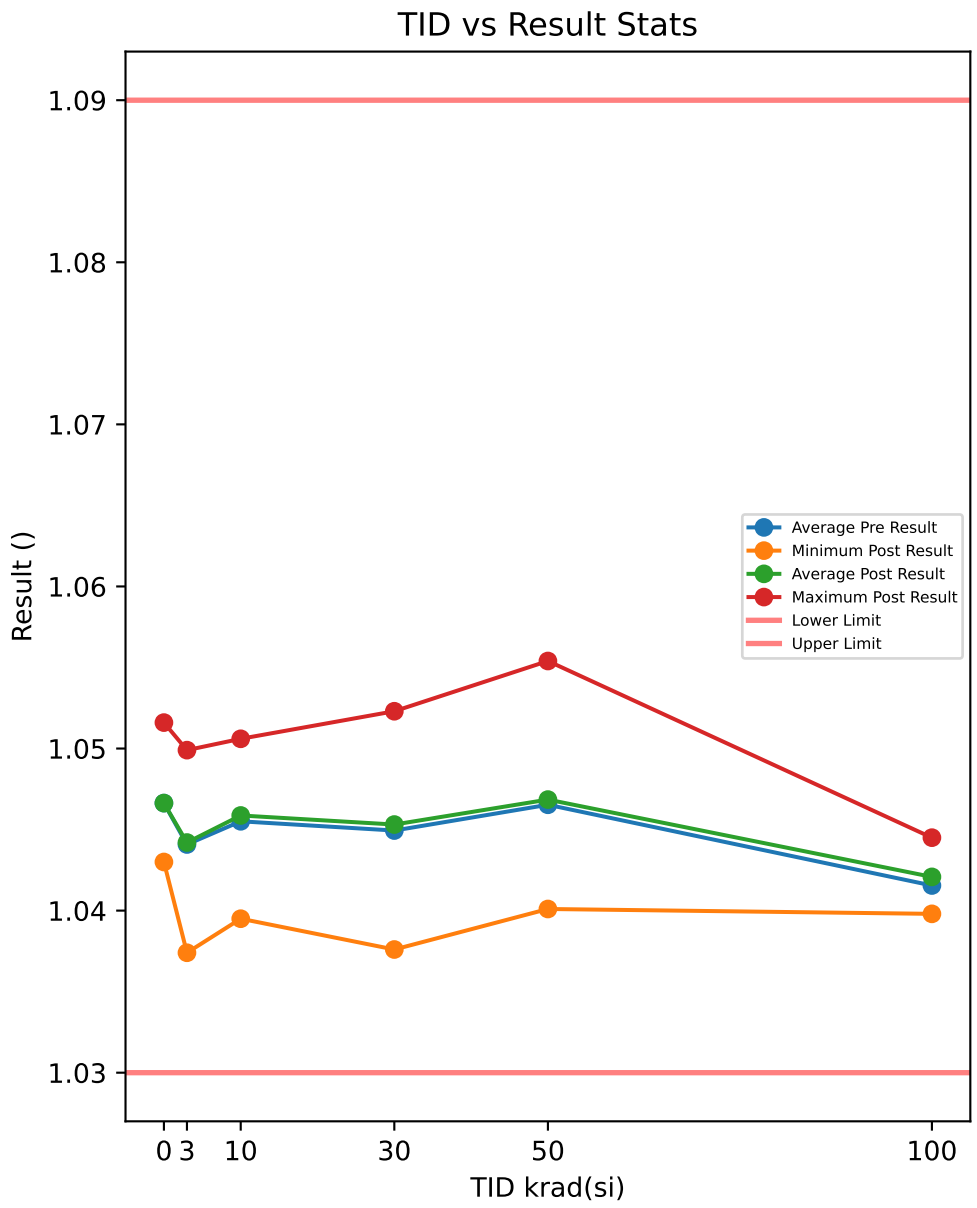
Test Results (Lower Limit = 1.06, Upper Limit = 1.12 ())

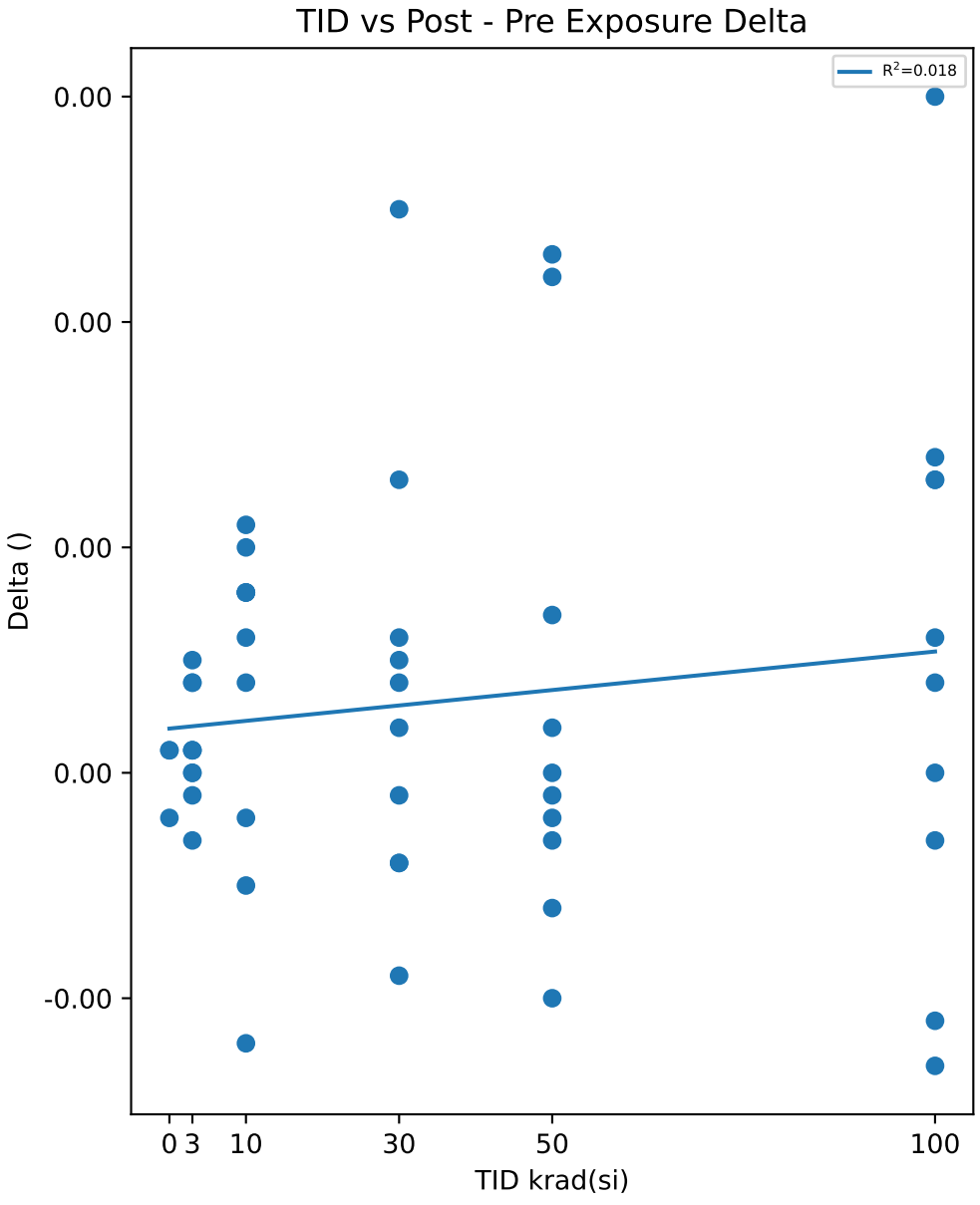
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
390	100	Biased	1.0709	1.0723	0.0014
392	100	Biased	1.0726	1.0714	-0.0012
393	100	Biased	1.0719	1.0734	0.0015
394	100	Biased	1.0751	1.0738	-0.0013
395	100	Biased	1.0753	1.0753	0
412	100	Unbiased	1.0763	1.0761	-0.0002
413	100	Unbiased	1.0724	1.0732	0.0008
414	100	Unbiased	1.0718	1.0748	0.003
415	100	Unbiased	1.07	1.0715	0.0015
416	100	Unbiased	1.0752	1.0755	0.0003
417	50	Biased	1.0847	1.0844	-0.0003
418	50	Biased	1.081	1.0803	-0.0007
419	50	Biased	1.0824	1.0814	-0.001
421	50	Biased	1.0874	1.0876	0.0002
422	50	Biased	1.0721	1.0717	-0.0004
423	50	Unbiased	1.0728	1.0739	0.0011
424	50	Unbiased	1.0826	1.0829	0.0003
425	50	Unbiased	1.0729	1.075	0.0021
426	50	Unbiased	1.0763	1.0766	0.0003
427	50	Unbiased	1.0704	1.0729	0.0025
463	0	Corr	1.0765	1.0766	0.0001
464	0	Corr	1.0746	1.0746	0
465	0	Corr	1.0839	1.0837	-0.0002
466	30	Biased	1.0779	1.0779	0
469	30	Biased	1.0702	1.0695	-0.0007
470	30	Biased	1.0752	1.0748	-0.0004
472	30	Biased	1.0828	1.0831	0.0003
474	30	Biased	1.0803	1.0795	-0.0008
475	30	Unbiased	1.0839	1.0842	0.0003
477	30	Unbiased	1.0798	1.0803	0.0005
478	30	Unbiased	1.0717	1.0717	0
479	30	Unbiased	1.0721	1.0737	0.0016
480	30	Unbiased	1.0738	1.0765	0.0027
481	10	Biased	1.0824	1.0814	-0.001
482	10	Biased	1.0733	1.0742	0.0009
483	10	Biased	1.0818	1.0827	0.0009
484	10	Biased	1.0809	1.0806	-0.0003
485	10	Biased	1.0802	1.0811	0.0009
487	10	Unbiased	1.073	1.0738	0.0008
488	10	Unbiased	1.0719	1.0727	0.0008
489	10	Unbiased	1.0703	1.0712	0.0009
490	10	Unbiased	1.0809	1.0805	-0.0004
491	10	Unbiased	1.0786	1.0799	0.0013
492	3	Biased	1.0775	1.0772	-0.0003
493	3	Biased	1.0692	1.069	-0.0002
494	3	Biased	1.0814	1.0818	0.0004
495	3	Biased	1.0754	1.0752	-0.0002
496	3	Biased	1.0746	1.0751	0.0005
497	3	Unbiased	1.0813	1.0815	0.0002
498	3	Unbiased	1.0764	1.0764	0
499	3	Unbiased	1.0819	1.0818	-0.0001
500	3	Unbiased	1.0695	1.0699	0.0004
502	3	Unbiased	1.0717	1.0721	0.0004

Test Statistics ()

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	1.0746	1.0783	1.0839	0.0049136	1.0746	1.0783	1.0837	0.0047823	-0.0002	-3.3333e-05	0.0001	0.00015275
3	1.0692	1.0759	1.0819	0.0047569	1.069	1.076	1.0818	0.0047376	-0.0003	0.00011	0.0005	0.0003035
10	1.0703	1.0773	1.0824	0.0046538	1.0712	1.0778	1.0827	0.0042938	-0.001	0.00048	0.0013	0.00075689
30	1.0702	1.0768	1.0839	0.0048543	1.0695	1.0771	1.0842	0.0047979	-0.0008	0.00035	0.0027	0.0010721
50	1.0704	1.0783	1.0874	0.0060608	1.0717	1.0787	1.0876	0.0054054	-0.001	0.00041	0.0025	0.0011618
100	1.07	1.0732	1.0763	0.0021547	1.0714	1.0737	1.0761	0.0016734	-0.0013	0.00058	0.003	0.0013332

Device Test: 23.19 VSENSE_VTH_FALLING_GOOD(HRESHOLD|FALL/PWRGD/12////@VSENSE_VTH_FALLING_GOOD)





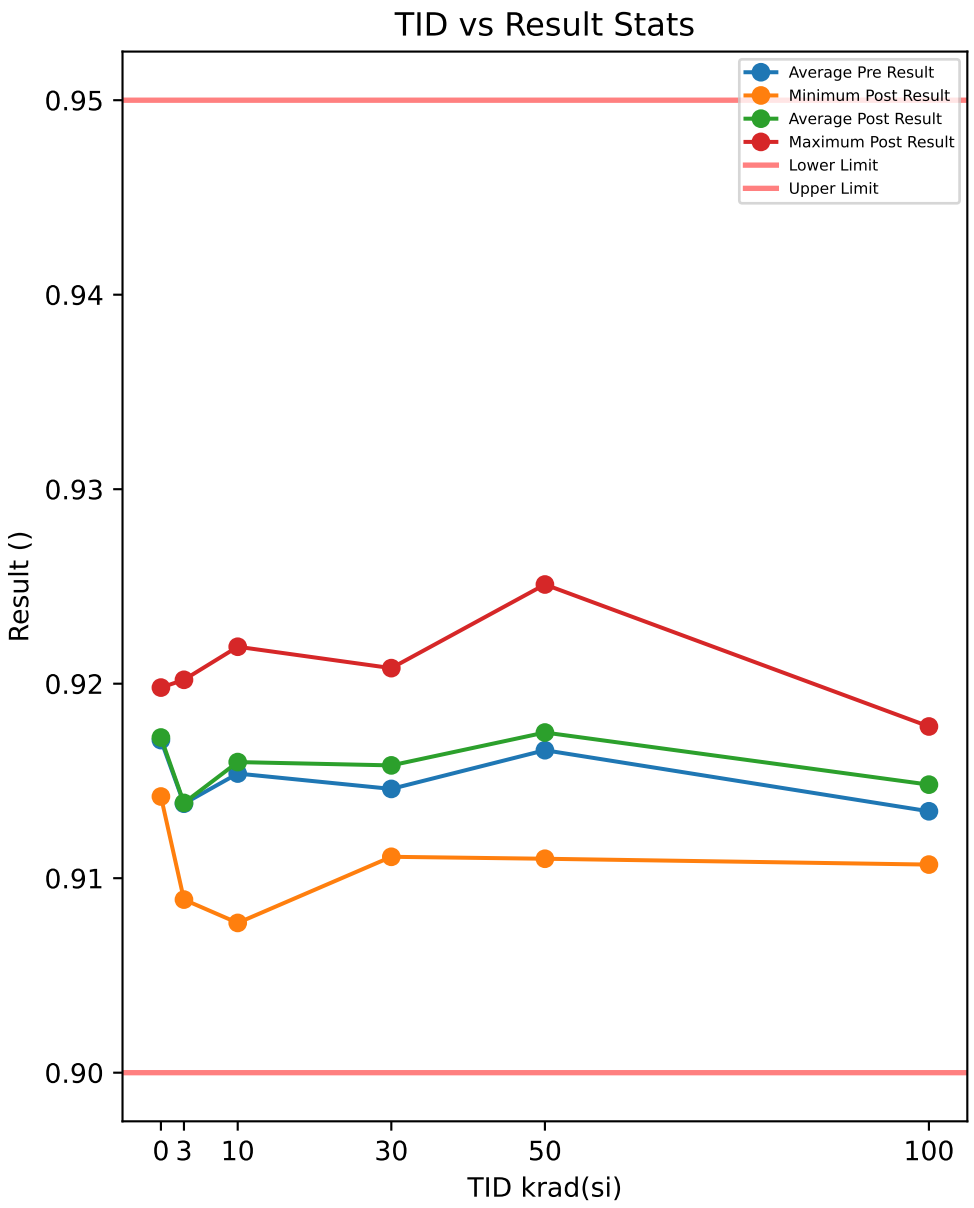
Test Results (Lower Limit = 1.03, Upper Limit = 1.09 ())

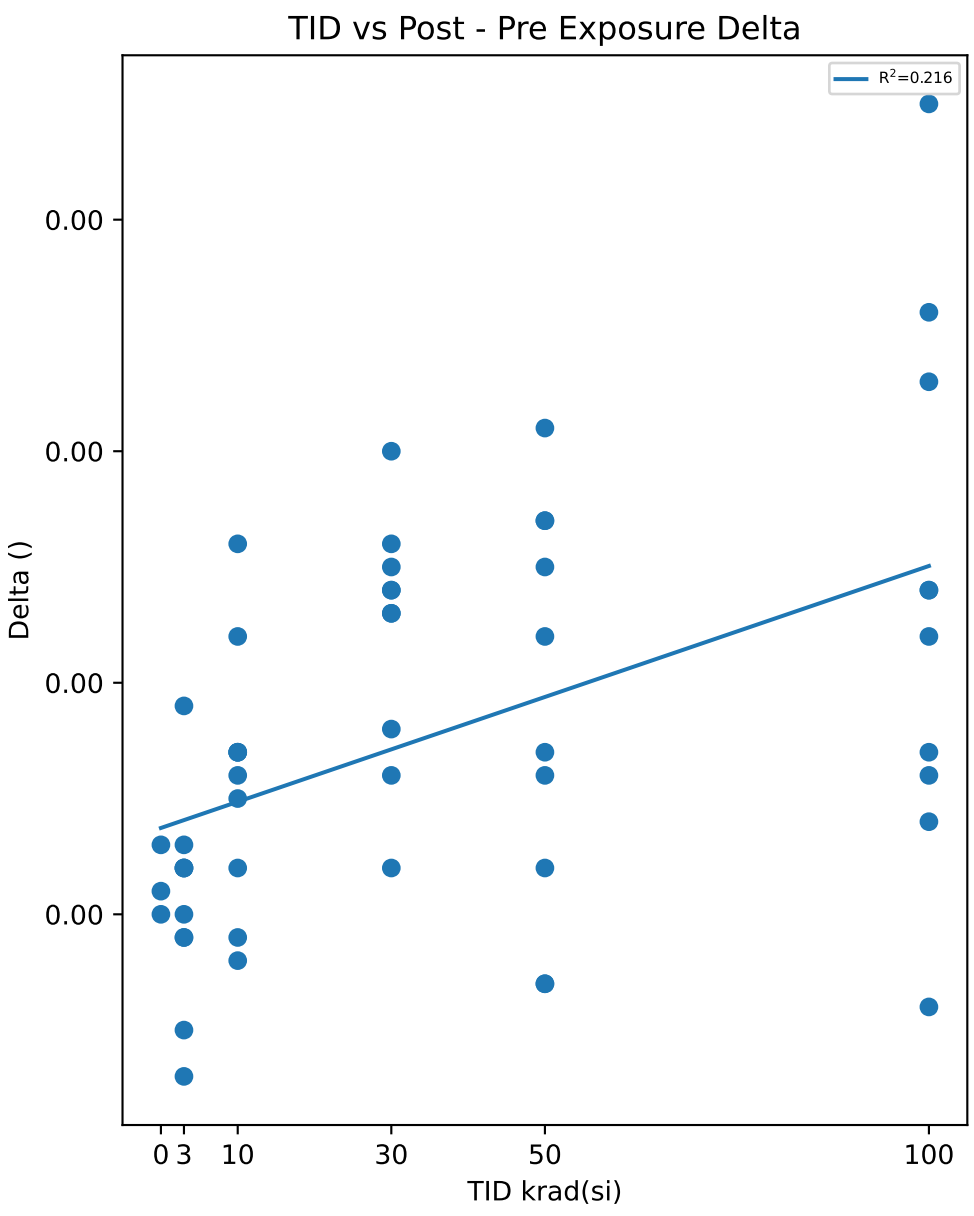
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
390	100	Biased	1.0394	1.0408	0.0014
392	100	Biased	1.0409	1.0398	-0.0011
393	100	Biased	1.0406	1.0419	0.0013
394	100	Biased	1.0434	1.0421	-0.0013
395	100	Biased	1.0439	1.0436	-0.0003
412	100	Unbiased	1.0445	1.0445	0
413	100	Unbiased	1.0407	1.0413	0.0006
414	100	Unbiased	1.0401	1.0431	0.003
415	100	Unbiased	1.0385	1.0398	0.0013
416	100	Unbiased	1.0435	1.0439	0.0004
417	50	Biased	1.0528	1.0526	-0.0002
418	50	Biased	1.0492	1.0486	-0.0006
419	50	Biased	1.0507	1.0497	-0.001
421	50	Biased	1.0555	1.0554	-0.0001
422	50	Biased	1.0404	1.0401	-0.0003
423	50	Unbiased	1.0413	1.042	0.0007
424	50	Unbiased	1.0508	1.0508	0
425	50	Unbiased	1.0411	1.0433	0.0022
426	50	Unbiased	1.0448	1.045	0.0002
427	50	Unbiased	1.0387	1.041	0.0023
463	0	Corr	1.0452	1.0453	0.0001
464	0	Corr	1.0429	1.043	0.0001
465	0	Corr	1.0518	1.0516	-0.0002
466	30	Biased	1.046	1.0462	0.0002
469	30	Biased	1.0385	1.0376	-0.0009
470	30	Biased	1.0435	1.0431	-0.0004
472	30	Biased	1.0505	1.051	0.0005
474	30	Biased	1.0484	1.048	-0.0004
475	30	Unbiased	1.0517	1.0523	0.0006
477	30	Unbiased	1.0481	1.0485	0.0004
478	30	Unbiased	1.04	1.0399	-0.0001
479	30	Unbiased	1.0406	1.0419	0.0013
480	30	Unbiased	1.0421	1.0446	0.0025
481	10	Biased	1.0503	1.0491	-0.0012
482	10	Biased	1.0414	1.0424	0.001
483	10	Biased	1.0498	1.0506	0.0008
484	10	Biased	1.049	1.0485	-0.0005
485	10	Biased	1.0483	1.0489	0.0006
487	10	Unbiased	1.0415	1.0419	0.0004
488	10	Unbiased	1.0402	1.041	0.0008
489	10	Unbiased	1.0387	1.0395	0.0008
490	10	Unbiased	1.049	1.0488	-0.0002
491	10	Unbiased	1.0469	1.048	0.0011
492	3	Biased	1.0456	1.0453	-0.0003
493	3	Biased	1.0373	1.0374	0.0001
494	3	Biased	1.0493	1.0497	0.0004
495	3	Biased	1.0439	1.0438	-0.0001
496	3	Biased	1.0429	1.0434	0.0005
497	3	Unbiased	1.0493	1.0494	0.0001
498	3	Unbiased	1.0447	1.0447	0
499	3	Unbiased	1.0498	1.0499	0.0001
500	3	Unbiased	1.0378	1.0382	0.0004
502	3	Unbiased	1.0402	1.0402	0

Test Statistics ()

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	1.0429	1.0466	1.0518	0.0046199	1.043	1.0466	1.0516	0.0044523	-0.0002	0	0.0001	0.00017321
3	1.0373	1.0441	1.0498	0.0046163	1.0374	1.0442	1.0499	0.0045981	-0.0003	0.00012	0.0005	0.00024855
10	1.0387	1.0455	1.0503	0.0045089	1.0395	1.0459	1.0506	0.0041382	-0.0012	0.00036	0.0011	0.00075159
30	1.0385	1.0449	1.0517	0.0046493	1.0376	1.0453	1.0523	0.0047746	-0.0009	0.00037	0.0025	0.00097303
50	1.0387	1.0465	1.0555	0.0059744	1.0401	1.0468	1.0554	0.0052945	-0.001	0.00032	0.0023	0.0011124
100	1.0385	1.0415	1.0445	0.0020956	1.0398	1.0421	1.0445	0.0016732	-0.0013	0.00053	0.003	0.0012928

Device Test: 23.2 VSENSE_VTH_FALLING_FAULT(HRESHOLD|FALL/PWRGD/4.5////@VSENSE_VTH_FALLING_FAULT)





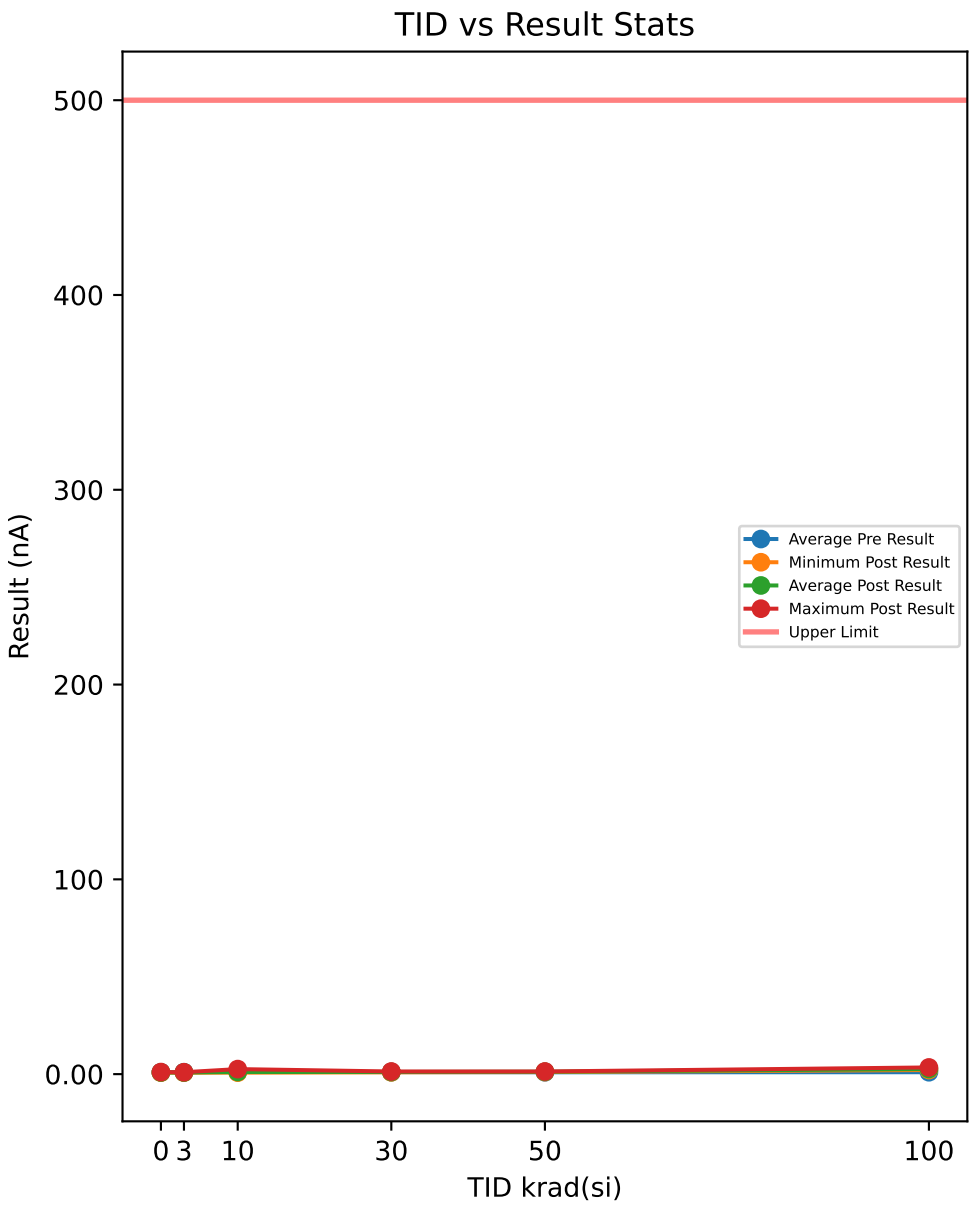
Test Results (Lower Limit = 0.9, Upper Limit = 0.95 ())

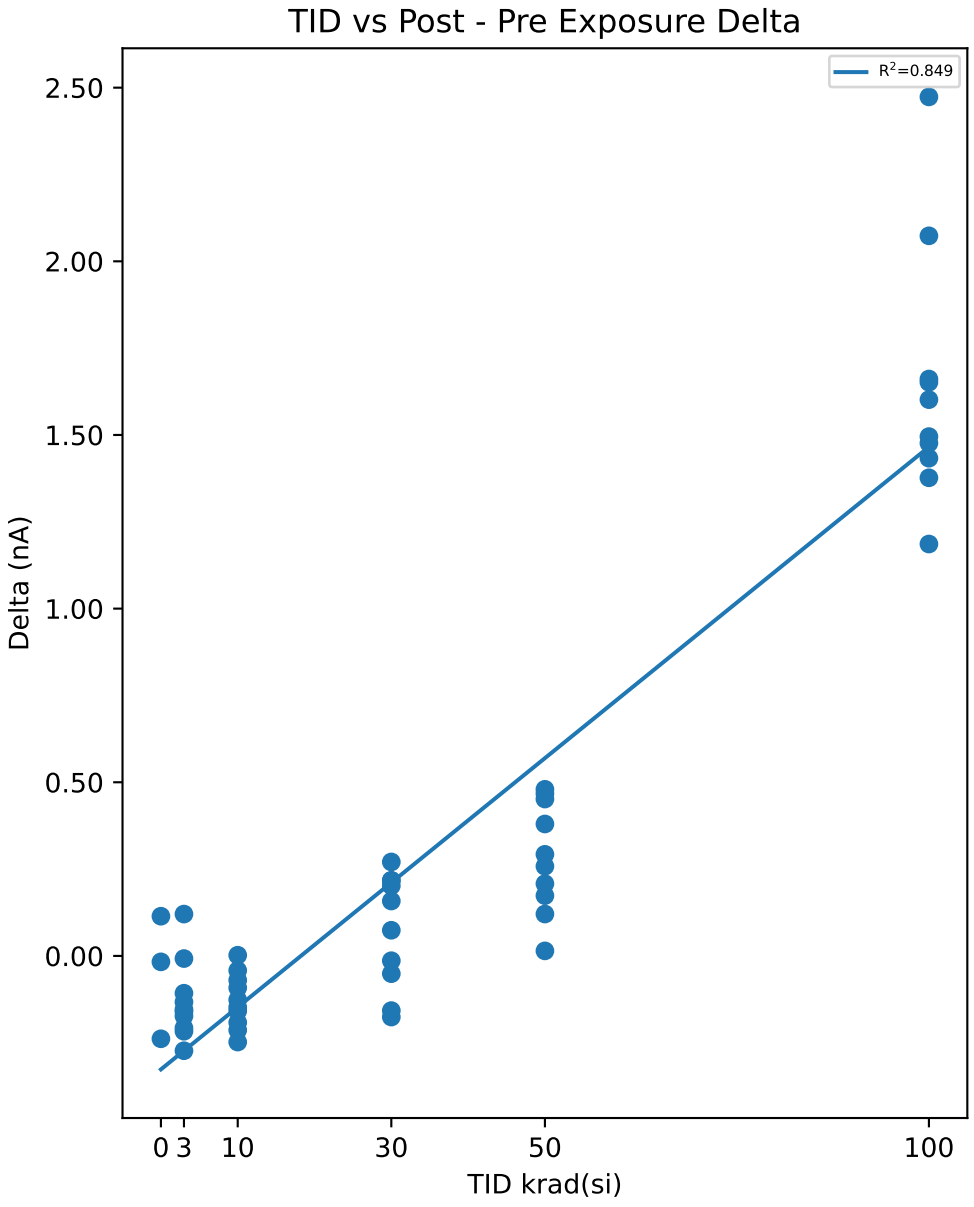
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
390	100	Biased	0.9093	0.9107	0.0014
392	100	Biased	0.9127	0.9134	0.0007
393	100	Biased	0.9092	0.9127	0.0035
394	100	Biased	0.9164	0.916	-0.0004
395	100	Biased	0.9142	0.9156	0.0014
412	100	Unbiased	0.9162	0.9168	0.0006
413	100	Unbiased	0.9145	0.9149	0.0004
414	100	Unbiased	0.9135	0.9161	0.0026
415	100	Unbiased	0.9118	0.9141	0.0023
416	100	Unbiased	0.9166	0.9178	0.0012
417	50	Biased	0.9233	0.924	0.0007
418	50	Biased	0.9167	0.9173	0.0006
419	50	Biased	0.922	0.9237	0.0017
421	50	Biased	0.9234	0.9251	0.0017
422	50	Biased	0.9123	0.9125	0.0002
423	50	Unbiased	0.9138	0.9153	0.0015
424	50	Unbiased	0.9209	0.9206	-0.0003
425	50	Unbiased	0.9122	0.9134	0.0012
426	50	Unbiased	0.9123	0.912	-0.0003
427	50	Unbiased	0.9089	0.911	0.0021
463	0	Corr	0.9174	0.9177	0.0003
464	0	Corr	0.9142	0.9142	0
465	0	Corr	0.9197	0.9198	0.0001
466	30	Biased	0.9154	0.9167	0.0013
469	30	Biased	0.9095	0.9111	0.0016
470	30	Biased	0.9119	0.9125	0.0006
472	30	Biased	0.9191	0.9205	0.0014
474	30	Biased	0.9167	0.918	0.0013
475	30	Unbiased	0.9194	0.9208	0.0014
477	30	Unbiased	0.917	0.9178	0.0008
478	30	Unbiased	0.9139	0.9141	0.0002
479	30	Unbiased	0.9117	0.9132	0.0015
480	30	Unbiased	0.9113	0.9133	0.002
481	10	Biased	0.9195	0.9193	-0.0002
482	10	Biased	0.9123	0.913	0.0007
483	10	Biased	0.9212	0.9219	0.0007
484	10	Biased	0.9184	0.9186	0.0002
485	10	Biased	0.915	0.9156	0.0006
487	10	Unbiased	0.9121	0.9133	0.0012
488	10	Unbiased	0.907	0.9077	0.0007
489	10	Unbiased	0.913	0.9135	0.0005
490	10	Unbiased	0.9202	0.9201	-0.0001
491	10	Unbiased	0.9151	0.9167	0.0016
492	3	Biased	0.9157	0.915	-0.0007
493	3	Biased	0.909	0.9089	-0.0001
494	3	Biased	0.9193	0.9202	0.0009
495	3	Biased	0.9132	0.9127	-0.0005
496	3	Biased	0.9106	0.9108	0.0002
497	3	Unbiased	0.9183	0.9183	0
498	3	Unbiased	0.9134	0.9136	0.0002
499	3	Unbiased	0.9161	0.916	-0.0001
500	3	Unbiased	0.9101	0.9104	0.0003
502	3	Unbiased	0.9126	0.9128	0.0002

Test Statistics ()

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	0.9142	0.9171	0.9197	0.0027622	0.9142	0.91723	0.9198	0.002829	0	0.00013333	0.0003	0.00015275
3	0.909	0.91383	0.9193	0.0034692	0.9089	0.91387	0.9202	0.0035631	-0.0007	4e-05	0.0009	0.00044272
10	0.907	0.91538	0.9212	0.0044666	0.9077	0.91597	0.9219	0.004234	-0.0002	0.00059	0.0016	0.00054661
30	0.9095	0.91459	0.9194	0.0034511	0.9111	0.9158	0.9208	0.0034257	0.0002	0.00121	0.002	0.00052799
50	0.9089	0.91658	0.9234	0.0053981	0.911	0.91749	0.9251	0.0054493	-0.0003	0.00091	0.0021	0.00086081
100	0.9092	0.91344	0.9166	0.0027167	0.9107	0.91481	0.9178	0.00212	-0.0004	0.00137	0.0035	0.0011576

Device Test: 23.20 PWRGD_OUTPUT_HIGH_LEAK(LEAK|MAX/PWRGD/12////@PWRGD_OUTPUT_HIGH_LEAK)





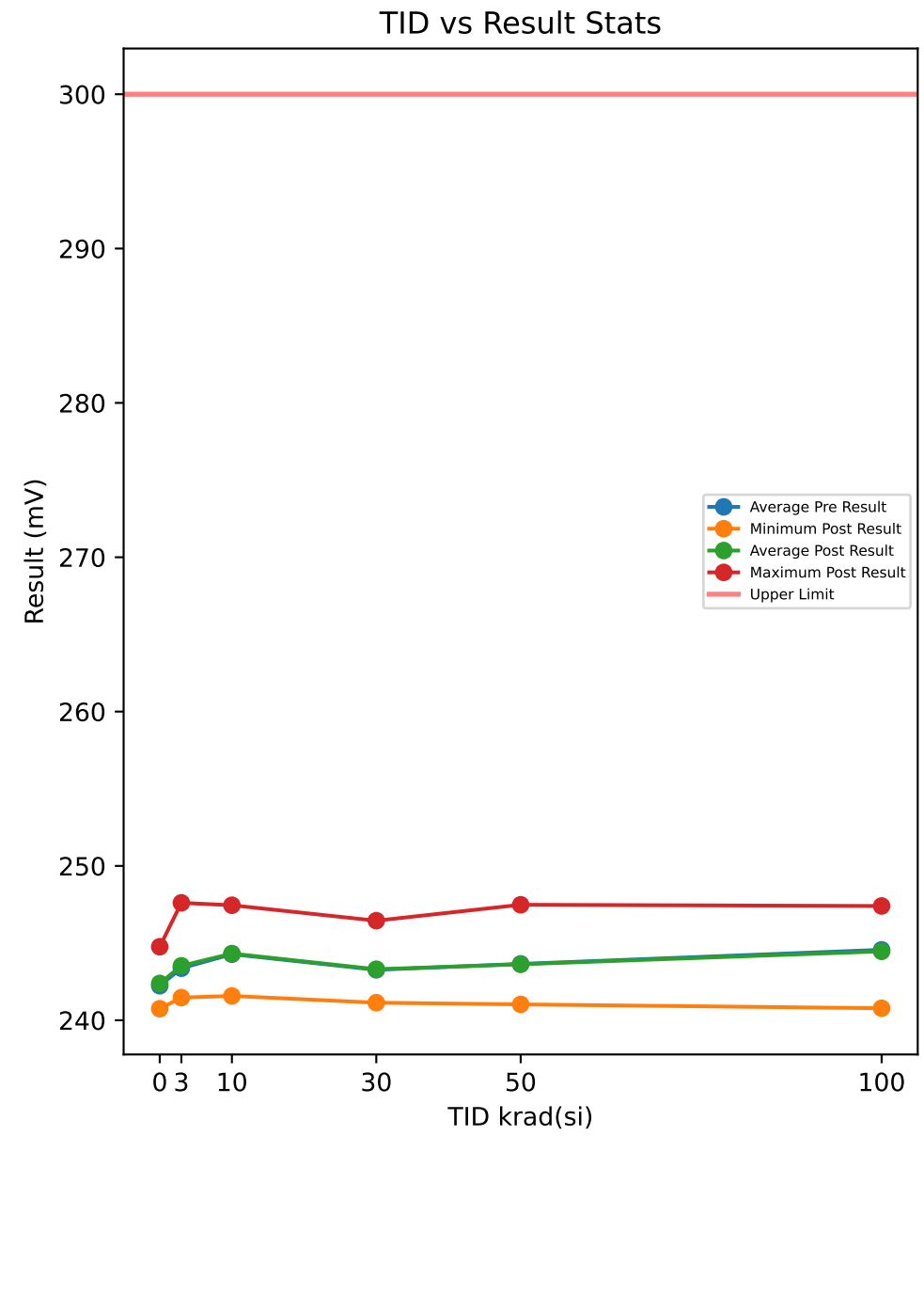
Test Results (Upper Limit = 500.0 (nA))

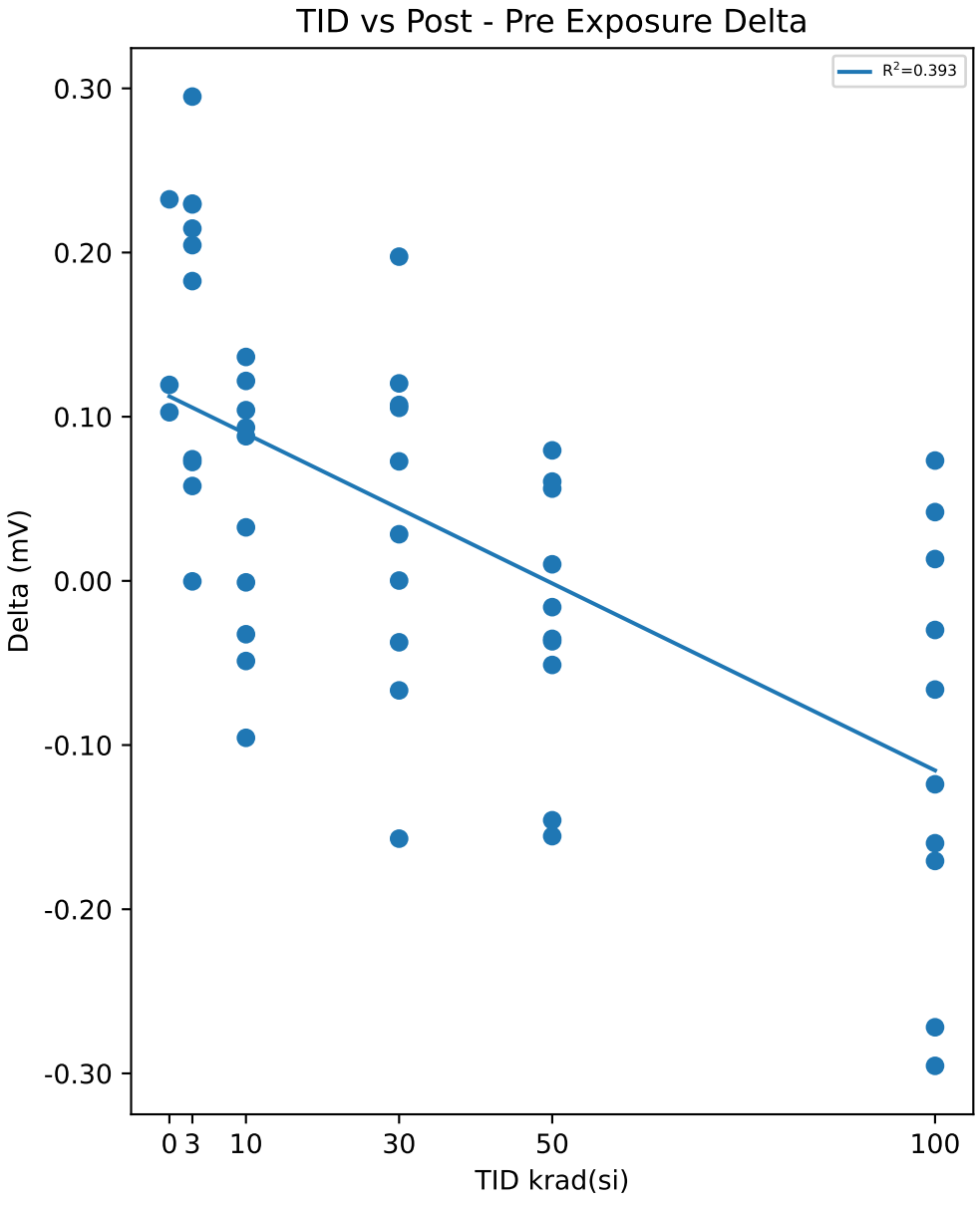
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
390	100	Biased	0.7968	2.2733	1.4765
392	100	Biased	0.9903	2.367	1.3767
393	100	Biased	0.906	2.9794	2.0734
394	100	Biased	0.9123	2.0983	1.186
395	100	Biased	1.1308	2.7826	1.6518
412	100	Unbiased	0.8186	2.3139	1.4953
413	100	Unbiased	1.1651	2.5982	1.4331
414	100	Unbiased	0.9653	3.4387	2.4734
415	100	Unbiased	1.0715	2.7326	1.6611
416	100	Unbiased	0.9934	2.5951	1.6017
417	50	Biased	0.9279	1.1359	0.208
418	50	Biased	1.1089	1.3671	0.2582
419	50	Biased	0.8873	1.0609	0.1736
421	50	Biased	0.9154	1.3671	0.4517
422	50	Biased	1.034	1.3265	0.2925
423	50	Unbiased	1.1464	1.1609	0.0145
424	50	Unbiased	0.9372	1.3171	0.3799
425	50	Unbiased	1.0184	1.139	0.1206
426	50	Unbiased	0.7	1.1797	0.4797
427	50	Unbiased	0.7874	1.2547	0.4673
463	0	Corr	0.9435	1.0578	0.1143
464	0	Corr	0.7656	0.7485	-0.0171
465	0	Corr	1.0839	0.8453	-0.2386
466	30	Biased	0.9747	1.1328	0.1581
469	30	Biased	0.9622	1.2328	0.2706
470	30	Biased	1.1183	1.1922	0.0739
472	30	Biased	1.1151	0.9391	-0.176
474	30	Biased	1.0715	0.9141	-0.1574
475	30	Unbiased	0.9279	0.9141	-0.0138
477	30	Unbiased	1.162	1.364	0.202
478	30	Unbiased	1.1183	1.0672	-0.0511
479	30	Unbiased	0.9248	1.1422	0.2174
480	30	Unbiased	0.9934	1.2109	0.2175
481	10	Biased	2.7476	2.5889	-0.1587
482	10	Biased	1.0808	1.0828	0.002
483	10	Biased	0.8748	0.7485	-0.1263
484	10	Biased	1.0121	0.9422	-0.0699
485	10	Biased	1.0558	0.8641	-0.1917
487	10	Unbiased	1.009	0.761	-0.248
488	10	Unbiased	0.9653	0.8735	-0.0918
489	10	Unbiased	1.0278	0.9859	-0.0419
490	10	Unbiased	1.112	0.8984	-0.2136
491	10	Unbiased	1.3243	1.1765	-0.1478
492	3	Biased	1.0465	0.9391	-0.1074
493	3	Biased	0.9435	0.7703	-0.1732
494	3	Biased	1.0028	0.8422	-0.1606
495	3	Biased	0.8717	0.7391	-0.1326
496	3	Biased	0.8467	0.8391	-0.0076
497	3	Unbiased	1.1058	0.9516	-0.1542
498	3	Unbiased	0.8592	0.9797	0.1205
499	3	Unbiased	1.0527	0.7797	-0.273
500	3	Unbiased	1.0715	0.8641	-0.2074
502	3	Unbiased	0.9622	0.7453	-0.2169

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	0.7656	0.931	1.0839	0.15952	0.7485	0.88387	1.0578	0.15822	-0.2386	-0.047133	0.1143	0.17836
3	0.8467	0.97626	1.1058	0.094296	0.7391	0.84502	0.9797	0.088046	-0.273	-0.13124	0.1205	0.11334
10	0.8748	1.2209	2.7476	0.54885	0.7485	1.0922	2.5889	0.54225	-0.248	-0.12877	0.002	0.078963
30	0.9248	1.0368	1.162	0.089444	0.9141	1.1109	1.364	0.15124	-0.176	0.07412	0.2706	0.1642
50	0.7	0.94629	1.1464	0.13749	1.0609	1.2309	1.3671	0.10961	0.0145	0.2846	0.4797	0.1589
100	0.7968	0.97501	1.1651	0.12261	2.0983	2.6179	3.4387	0.39295	1.186	1.6429	2.4734	0.37272

Device Test: 23.21 PWRGD_OUTPUT_LOW(VOL|2mA/PWRGD/12////@PWRGD_OUTPUT_LOW)





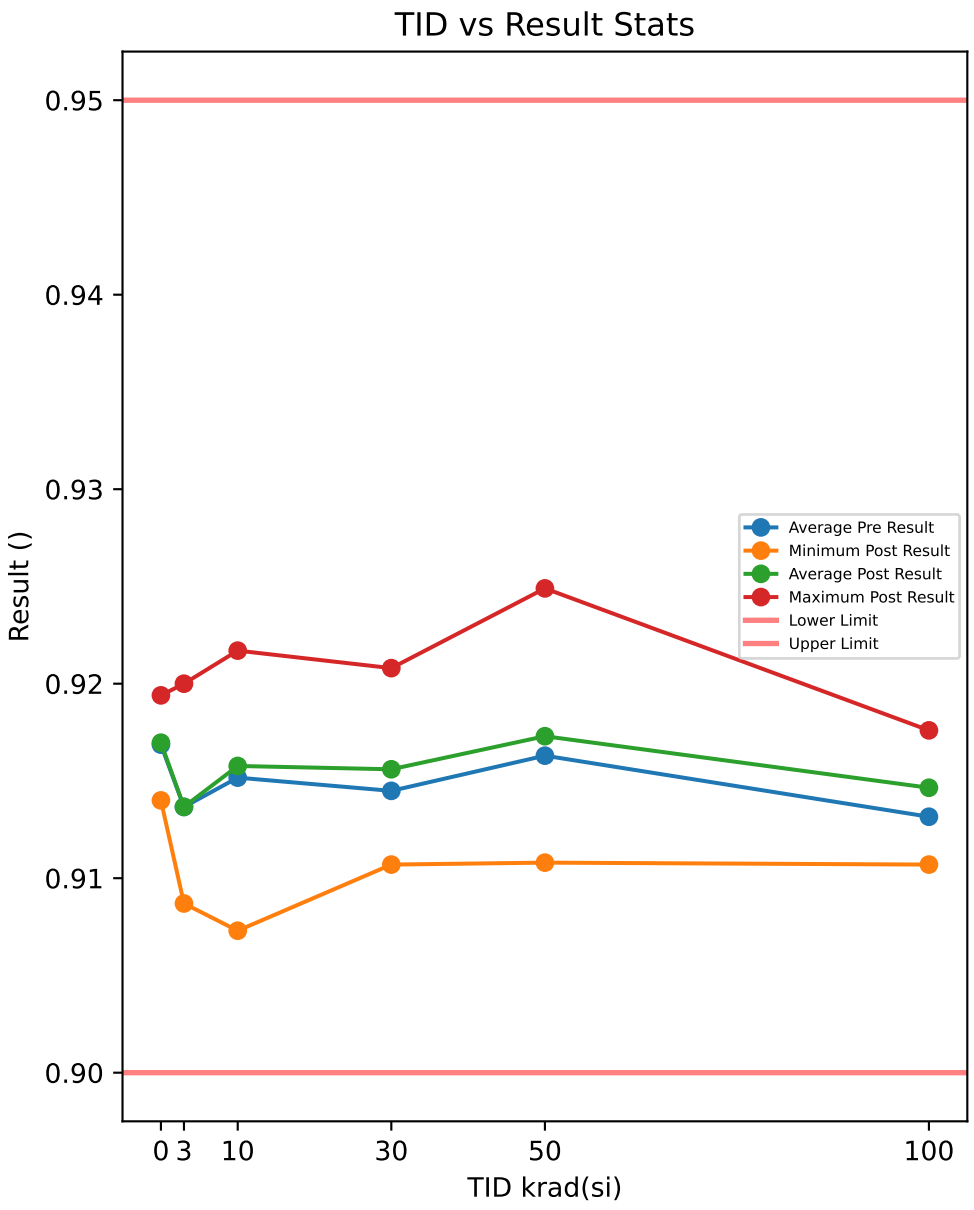
Test Results (Upper Limit = 300.0 (mV))

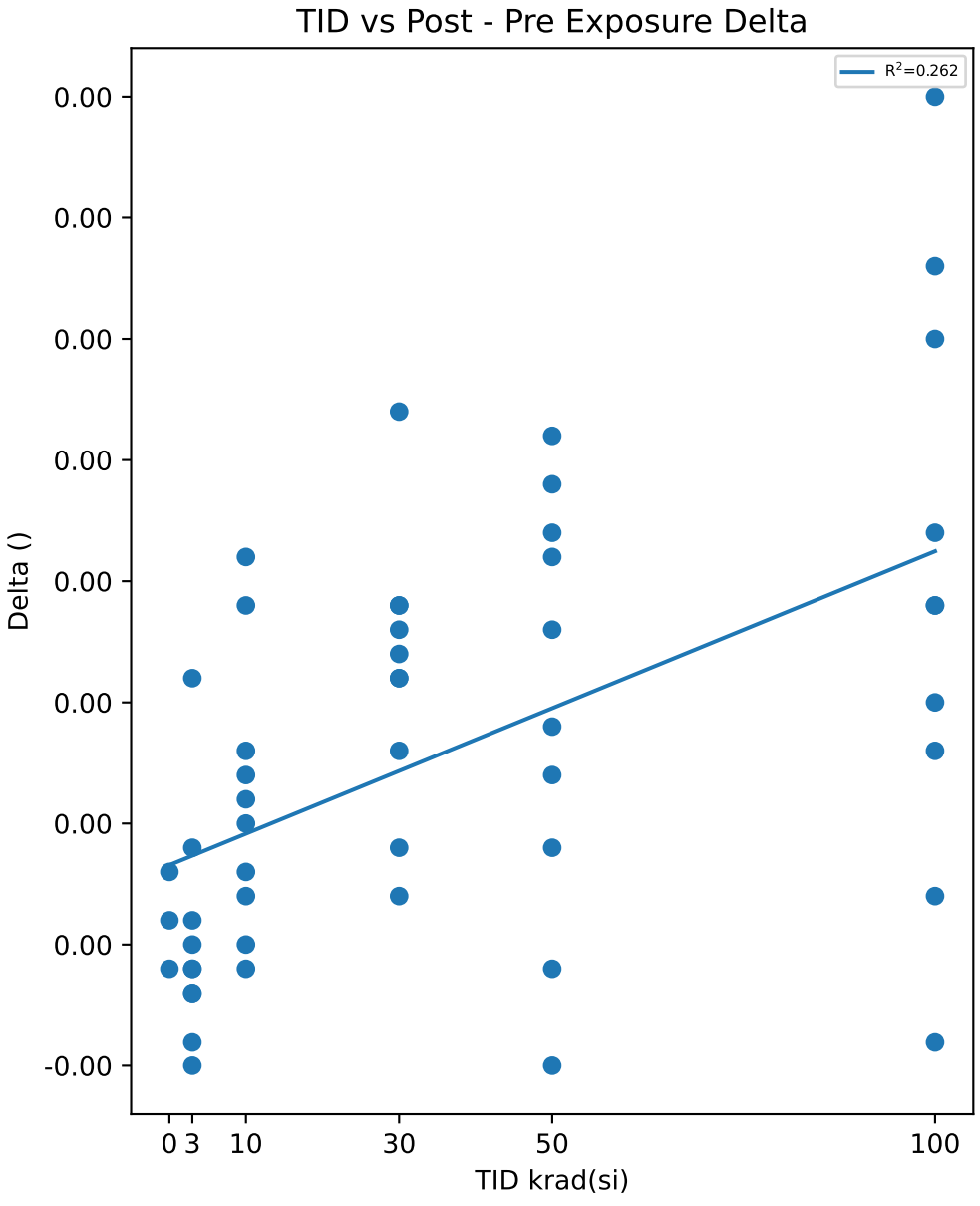
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
390	100	Biased	243.27	243.11	-0.1598
392	100	Biased	242.1	242.14	0.0419
393	100	Biased	243.19	243.12	-0.0662
394	100	Biased	241.05	240.78	-0.2719
395	100	Biased	244.25	244.26	0.0133
412	100	Unbiased	247.25	247.12	-0.1239
413	100	Unbiased	247.43	247.4	-0.0299
414	100	Unbiased	242.16	242.23	0.0733
415	100	Unbiased	247.4	247.23	-0.1706
416	100	Unbiased	247.54	247.25	-0.2954
417	50	Biased	241.63	241.64	0.0101
418	50	Biased	241.96	241.81	-0.1458
419	50	Biased	242.91	242.87	-0.0353
421	50	Biased	246.87	246.72	-0.1555
422	50	Biased	241.63	241.59	-0.0368
423	50	Unbiased	244.61	244.67	0.0605
424	50	Unbiased	247.4	247.48	0.0795
425	50	Unbiased	242.61	242.56	-0.0512
426	50	Unbiased	240.97	241.03	0.0562
427	50	Unbiased	245.92	245.9	-0.016
463	0	Corr	244.53	244.76	0.2324
464	0	Corr	241.53	241.65	0.1194
465	0	Corr	240.64	240.75	0.1027
466	30	Biased	242.91	243.01	0.1054
469	30	Biased	245.69	245.53	-0.157
470	30	Biased	246.45	246.45	0.0002
472	30	Biased	242.28	242.4	0.1203
474	30	Biased	241.74	241.81	0.0728
475	30	Unbiased	242.74	242.67	-0.0667
477	30	Unbiased	241.17	241.14	-0.0374
478	30	Unbiased	241.44	241.64	0.1975
479	30	Unbiased	244.41	244.51	0.1072
480	30	Unbiased	243.86	243.89	0.0284
481	10	Biased	241.49	241.58	0.0881
482	10	Biased	242.72	242.86	0.1364
483	10	Biased	247.42	247.45	0.0326
484	10	Biased	244.69	244.59	-0.0956
485	10	Biased	245.19	245.15	-0.0325
487	10	Unbiased	241.74	241.84	0.104
488	10	Unbiased	245.47	245.47	-0.0009
489	10	Unbiased	243.56	243.68	0.1218
490	10	Unbiased	244.64	244.59	-0.0488
491	10	Unbiased	245.9	246	0.0934
492	3	Biased	242.35	242.58	0.2298
493	3	Biased	247.4	247.61	0.2045
494	3	Biased	244.66	244.95	0.295
495	3	Biased	242.08	242.26	0.1826
496	3	Biased	242.67	242.89	0.2146
497	3	Unbiased	242.89	242.97	0.0741
498	3	Unbiased	242.31	242.37	0.0578
499	3	Unbiased	241.39	241.47	0.0724
500	3	Unbiased	241.99	242.22	0.2293
502	3	Unbiased	245.97	245.97	-0.0003

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	240.64	242.24	244.53	2.0364	240.75	242.39	244.76	2.1066	0.1027	0.1515	0.2324	0.070557
3	241.39	243.37	247.4	1.9728	241.47	243.53	247.61	1.9766	-0.0003	0.15598	0.295	0.096841
10	241.49	244.28	247.42	1.8925	241.58	244.32	247.45	1.8561	-0.0956	0.03985	0.1364	0.080624
30	241.17	243.27	246.45	1.7974	241.14	243.31	246.45	1.7532	-0.157	0.03707	0.1975	0.10485
50	240.97	243.65	247.4	2.3664	241.03	243.63	247.48	2.3701	-0.1555	-0.02343	0.0795	0.080738
100	241.05	244.56	247.54	2.588	240.78	244.46	247.4	2.556	-0.2954	-0.09892	0.0733	0.12733

Device Test: 23.23 VSENSE_VTH_FALLING_FAULT(HRESHOLD|FALL/PWRGD/14////@VSENSE_VTH_FALLING_FAULT)





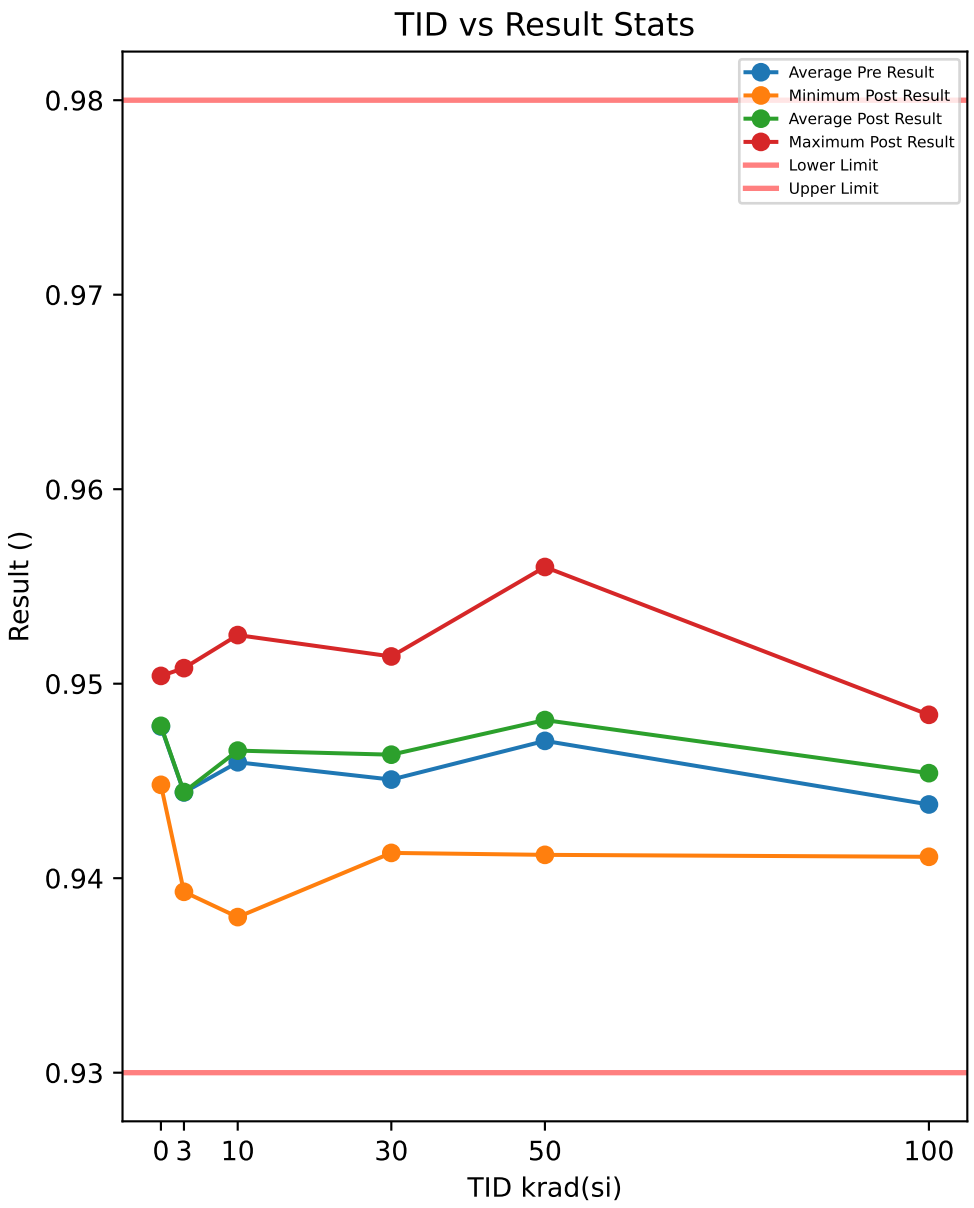
Test Results (Lower Limit = 0.9, Upper Limit = 0.95 ())

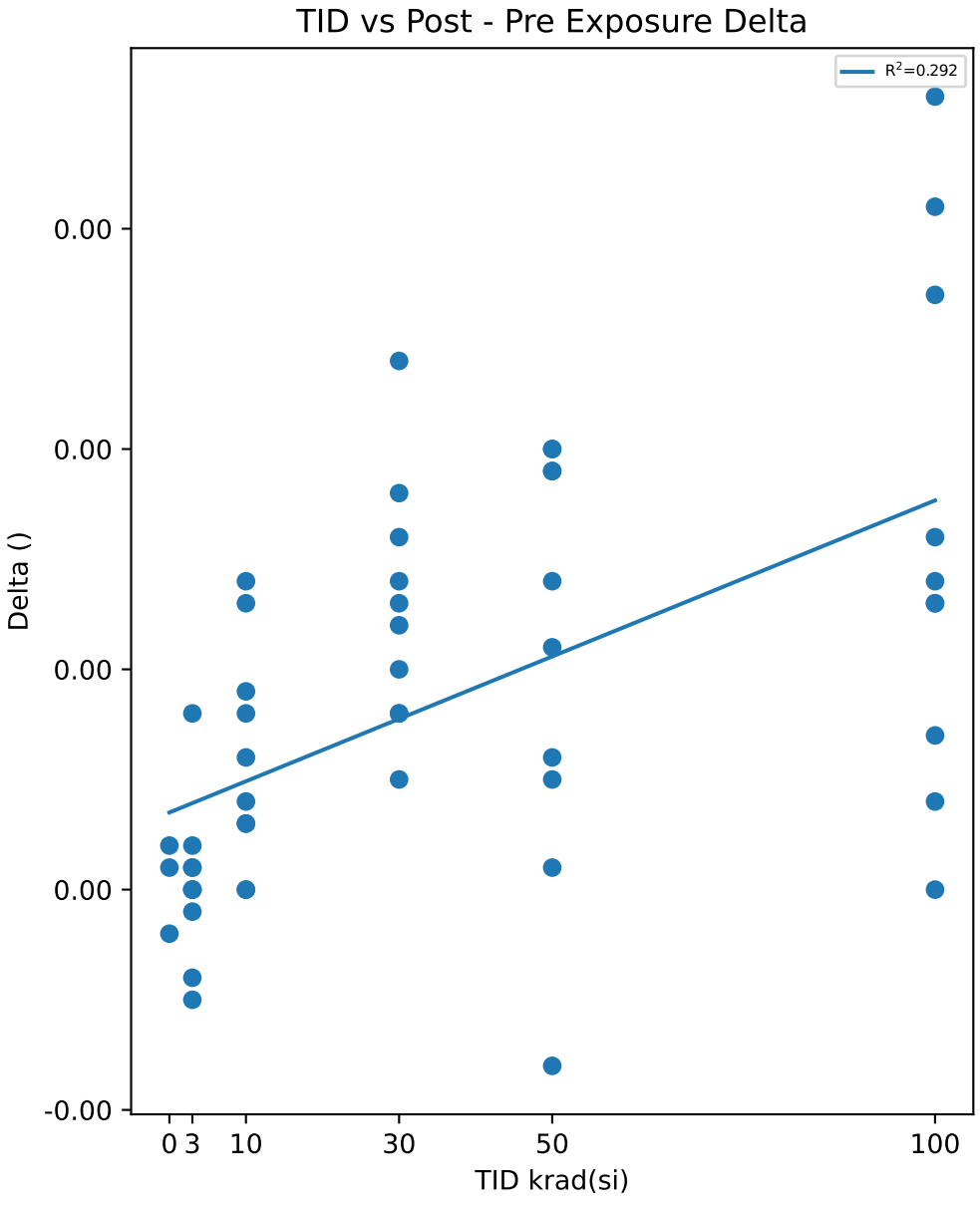
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
390	100	Biased	0.909	0.9107	0.0017
392	100	Biased	0.9122	0.9132	0.001
393	100	Biased	0.909	0.9125	0.0035
394	100	Biased	0.9164	0.916	-0.0004
395	100	Biased	0.9138	0.9152	0.0014
412	100	Unbiased	0.9158	0.9166	0.0008
413	100	Unbiased	0.9145	0.9147	0.0002
414	100	Unbiased	0.9131	0.9159	0.0028
415	100	Unbiased	0.9116	0.9141	0.0025
416	100	Unbiased	0.9162	0.9176	0.0014
417	50	Biased	0.9229	0.9238	0.0009
418	50	Biased	0.9163	0.917	0.0007
419	50	Biased	0.9218	0.9235	0.0017
421	50	Biased	0.923	0.9249	0.0019
422	50	Biased	0.9119	0.9123	0.0004
423	50	Unbiased	0.9136	0.9149	0.0013
424	50	Unbiased	0.9207	0.9206	-0.0001
425	50	Unbiased	0.9118	0.9134	0.0016
426	50	Unbiased	0.9123	0.9118	-0.0005
427	50	Unbiased	0.9087	0.9108	0.0021
463	0	Corr	0.9174	0.9175	0.0001
464	0	Corr	0.9137	0.914	0.0003
465	0	Corr	0.9195	0.9194	-0.0001
466	30	Biased	0.9154	0.9165	0.0011
469	30	Biased	0.9093	0.9107	0.0014
470	30	Biased	0.9119	0.9123	0.0004
472	30	Biased	0.9191	0.9203	0.0012
474	30	Biased	0.9167	0.9178	0.0011
475	30	Unbiased	0.9194	0.9208	0.0014
477	30	Unbiased	0.9168	0.9176	0.0008
478	30	Unbiased	0.9137	0.9139	0.0002
479	30	Unbiased	0.9117	0.913	0.0013
480	30	Unbiased	0.9109	0.9131	0.0022
481	10	Biased	0.9191	0.9191	0
482	10	Biased	0.9121	0.9128	0.0007
483	10	Biased	0.9209	0.9217	0.0008
484	10	Biased	0.9184	0.9186	0.0002
485	10	Biased	0.9148	0.9154	0.0006
487	10	Unbiased	0.9117	0.9131	0.0014
488	10	Unbiased	0.9068	0.9073	0.0005
489	10	Unbiased	0.913	0.9133	0.0003
490	10	Unbiased	0.92	0.9199	-0.0001
491	10	Unbiased	0.9149	0.9165	0.0016
492	3	Biased	0.9153	0.9148	-0.0005
493	3	Biased	0.9088	0.9087	-0.0001
494	3	Biased	0.9189	0.92	0.0011
495	3	Biased	0.9127	0.9125	-0.0002
496	3	Biased	0.9106	0.9106	0
497	3	Unbiased	0.9185	0.9181	-0.0004
498	3	Unbiased	0.9136	0.9134	-0.0002
499	3	Unbiased	0.9157	0.9156	-0.0001
500	3	Unbiased	0.9101	0.9102	0.0001
502	3	Unbiased	0.9124	0.9128	0.0004

Test Statistics ()

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	0.9137	0.91687	0.9195	0.0029366	0.914	0.91697	0.9194	0.0027392	-0.0001	0.0001	0.0003	0.0002
3	0.9088	0.91366	0.9189	0.0034303	0.9087	0.91367	0.92	0.0035443	-0.0005	1e-05	0.0011	0.00045814
10	0.9068	0.91517	0.9209	0.0044532	0.9073	0.91577	0.9217	0.0042919	-0.0001	0.0006	0.0016	0.00055777
30	0.9093	0.91449	0.9194	0.0035174	0.9107	0.9156	0.9208	0.0034893	0.0002	0.00111	0.0022	0.00056065
50	0.9087	0.9163	0.923	0.0053616	0.9108	0.9173	0.9249	0.0054559	-0.0005	0.001	0.0021	0.00087433
100	0.909	0.91316	0.9164	0.0027261	0.9107	0.91465	0.9176	0.002077	-0.0004	0.00149	0.0035	0.0011921

Device Test: 23.24 VSENSE_VTH_RISING_GOOD(HRESHOLD|RISE/PWRGD/14////@VSENSE_VTH_RISING_GOOD)





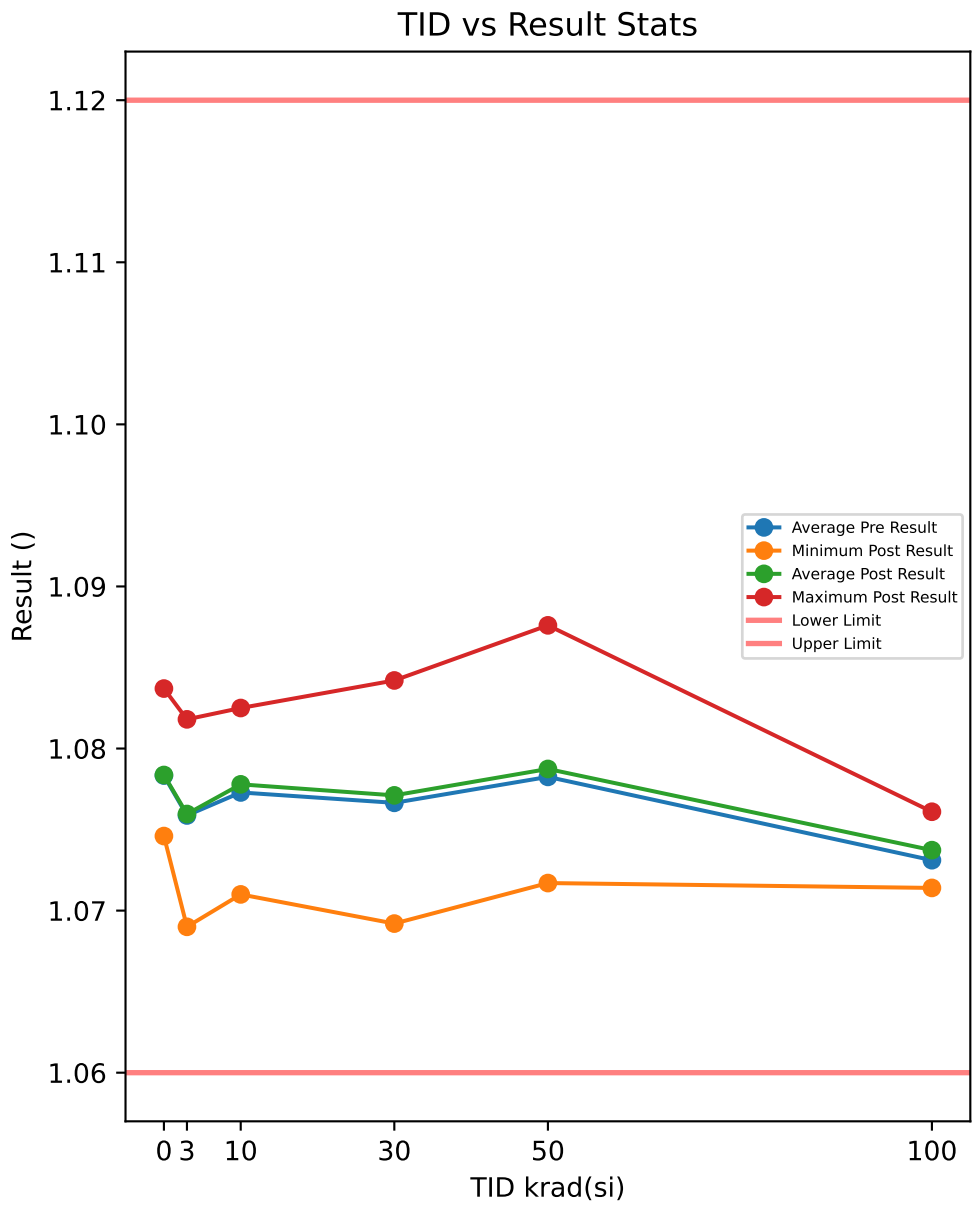
Test Results (Lower Limit = 0.93, Upper Limit = 0.98 ())

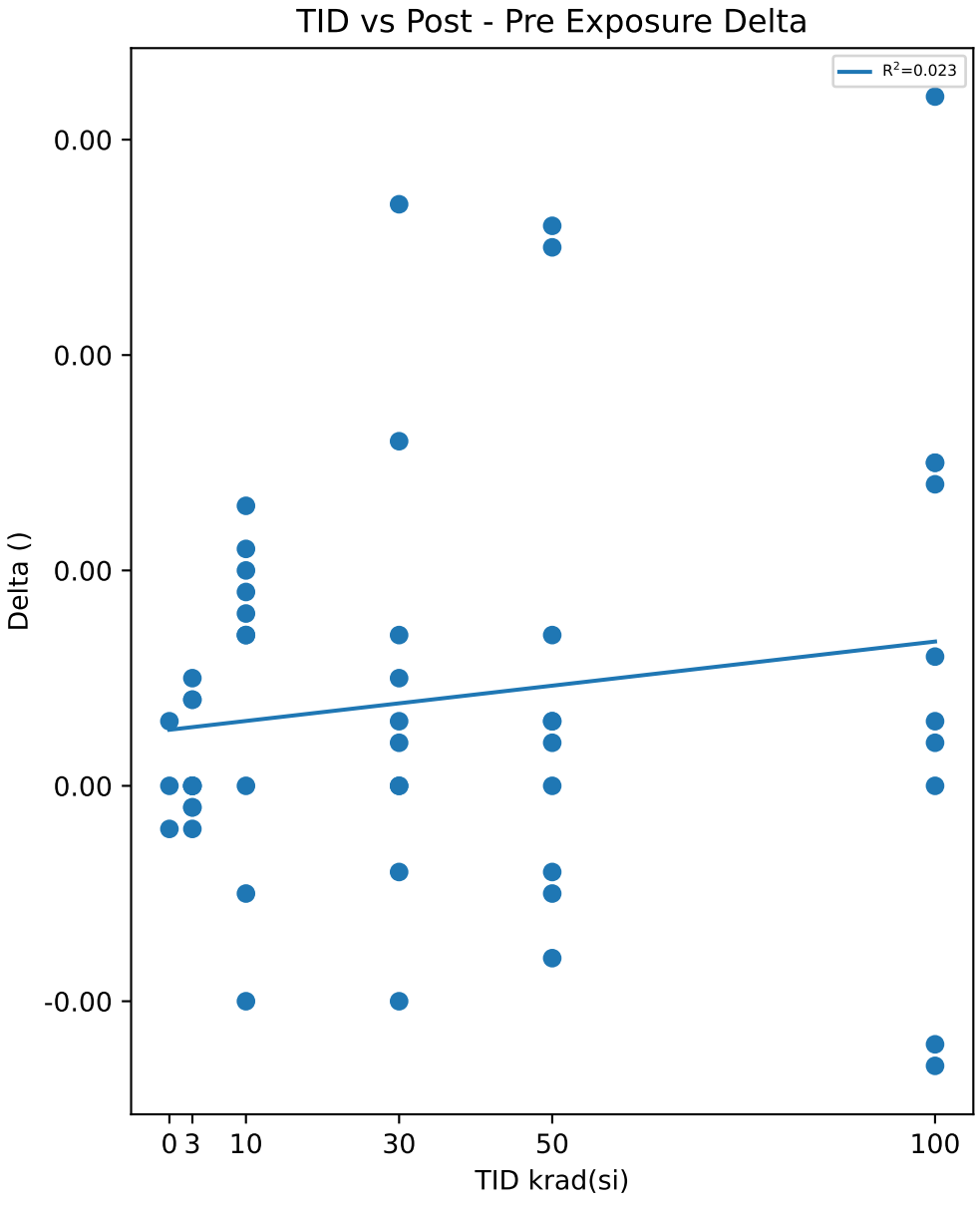
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
390	100	Biased	0.9395	0.9411	0.0016
392	100	Biased	0.9431	0.9438	0.0007
393	100	Biased	0.9396	0.9432	0.0036
394	100	Biased	0.9468	0.9468	0
395	100	Biased	0.9448	0.9462	0.0014
412	100	Unbiased	0.9464	0.9477	0.0013
413	100	Unbiased	0.9448	0.9452	0.0004
414	100	Unbiased	0.9437	0.9468	0.0031
415	100	Unbiased	0.9421	0.9448	0.0027
416	100	Unbiased	0.9471	0.9484	0.0013
417	50	Biased	0.954	0.9551	0.0011
418	50	Biased	0.9474	0.9479	0.0005
419	50	Biased	0.9527	0.9546	0.0019
421	50	Biased	0.954	0.956	0.002
422	50	Biased	0.9423	0.9429	0.0006
423	50	Unbiased	0.9438	0.9457	0.0019
424	50	Unbiased	0.9513	0.9514	0.0001
425	50	Unbiased	0.9427	0.9441	0.0014
426	50	Unbiased	0.9432	0.9424	-0.0008
427	50	Unbiased	0.9392	0.9412	0.002
463	0	Corr	0.9482	0.9483	0.0001
464	0	Corr	0.9446	0.9448	0.0002
465	0	Corr	0.9506	0.9504	-0.0002
466	30	Biased	0.946	0.9473	0.0013
469	30	Biased	0.9397	0.9413	0.0016
470	30	Biased	0.9423	0.9431	0.0008
472	30	Biased	0.95	0.9512	0.0012
474	30	Biased	0.9476	0.9486	0.001
475	30	Unbiased	0.95	0.9514	0.0014
477	30	Unbiased	0.9478	0.9486	0.0008
478	30	Unbiased	0.9441	0.9446	0.0005
479	30	Unbiased	0.9419	0.9437	0.0018
480	30	Unbiased	0.9413	0.9437	0.0024
481	10	Biased	0.9501	0.9501	0
482	10	Biased	0.9425	0.9434	0.0009
483	10	Biased	0.9517	0.9525	0.0008
484	10	Biased	0.9492	0.9495	0.0003
485	10	Biased	0.9457	0.9463	0.0006
487	10	Unbiased	0.9424	0.9437	0.0013
488	10	Unbiased	0.9377	0.938	0.0003
489	10	Unbiased	0.9436	0.944	0.0004
490	10	Unbiased	0.9508	0.9508	0
491	10	Unbiased	0.9459	0.9473	0.0014
492	3	Biased	0.946	0.9455	-0.0005
493	3	Biased	0.9392	0.9393	0.0001
494	3	Biased	0.95	0.9508	0.0008
495	3	Biased	0.9434	0.9433	-0.0001
496	3	Biased	0.9413	0.9413	0
497	3	Unbiased	0.9492	0.9492	0
498	3	Unbiased	0.9443	0.9443	0
499	3	Unbiased	0.9468	0.9464	-0.0004
500	3	Unbiased	0.9406	0.9408	0.0002
502	3	Unbiased	0.9433	0.9434	0.0001

Test Statistics ()

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	0.9446	0.9478	0.9506	0.0030199	0.9448	0.94783	0.9504	0.002829	-0.0002	3.3333e-05	0.0002	0.00020817
3	0.9392	0.94441	0.95	0.0035906	0.9393	0.94443	0.9508	0.0036515	-0.0005	2e-05	0.0008	0.00035214
10	0.9377	0.94596	0.9517	0.0045034	0.938	0.94656	0.9525	0.0043849	0	0.0006	0.0014	0.00049441
30	0.9397	0.94507	0.95	0.0037274	0.9413	0.94635	0.9514	0.0035469	0.0005	0.00128	0.0024	0.00055737
50	0.9392	0.94706	0.954	0.0055298	0.9412	0.94813	0.956	0.0057104	-0.0008	0.00107	0.002	0.00095458
100	0.9395	0.94379	0.9471	0.0027522	0.9411	0.9454	0.9484	0.0022395	0	0.00161	0.0036	0.001178

Device Test: 23.25 VSENSE_VTH_RISING_FAULT(HRESHOLD|RISE/PWRGD/14////@VSENSE_VTH_RISING_FAULT)





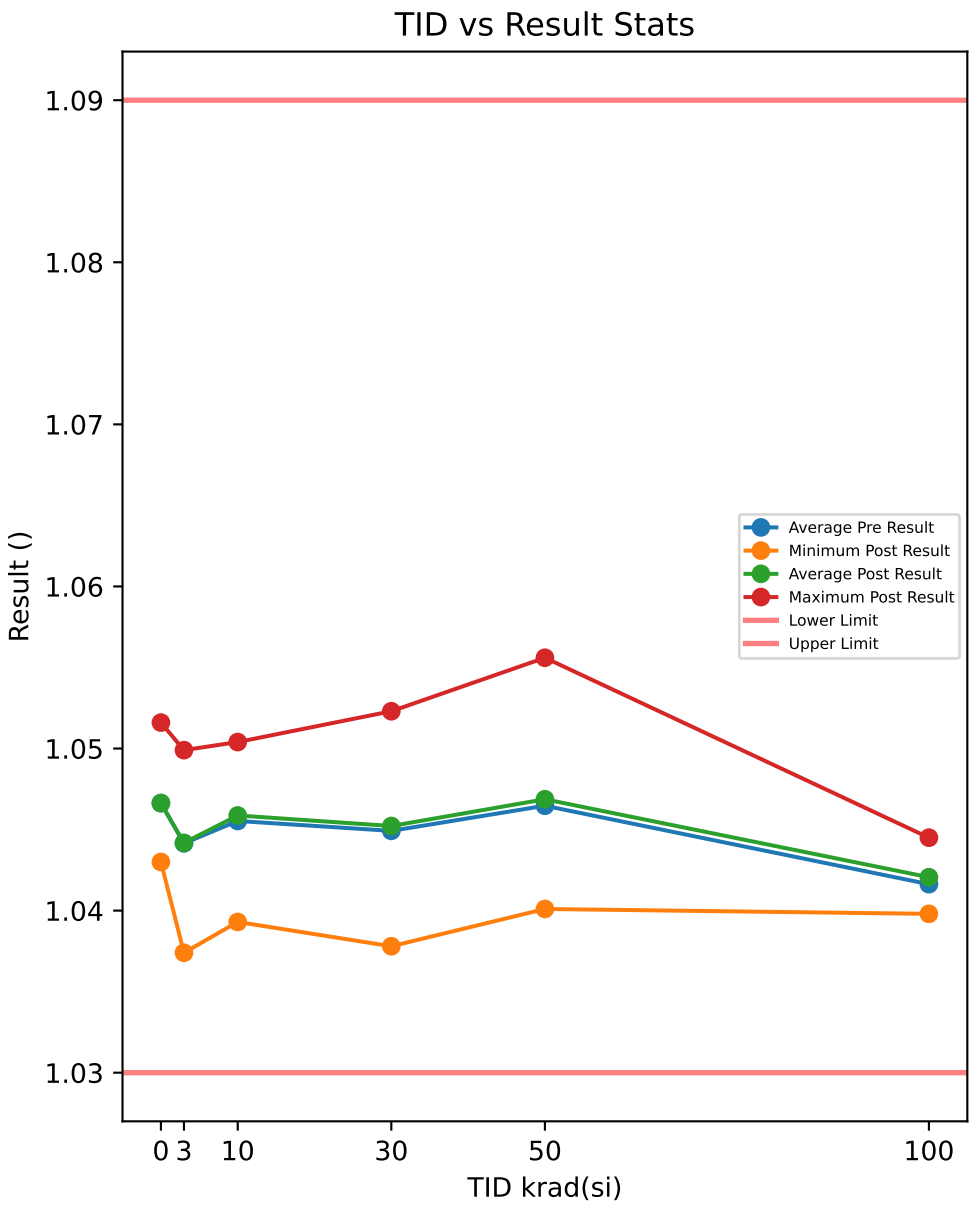
Test Results (Lower Limit = 1.06, Upper Limit = 1.12 ())

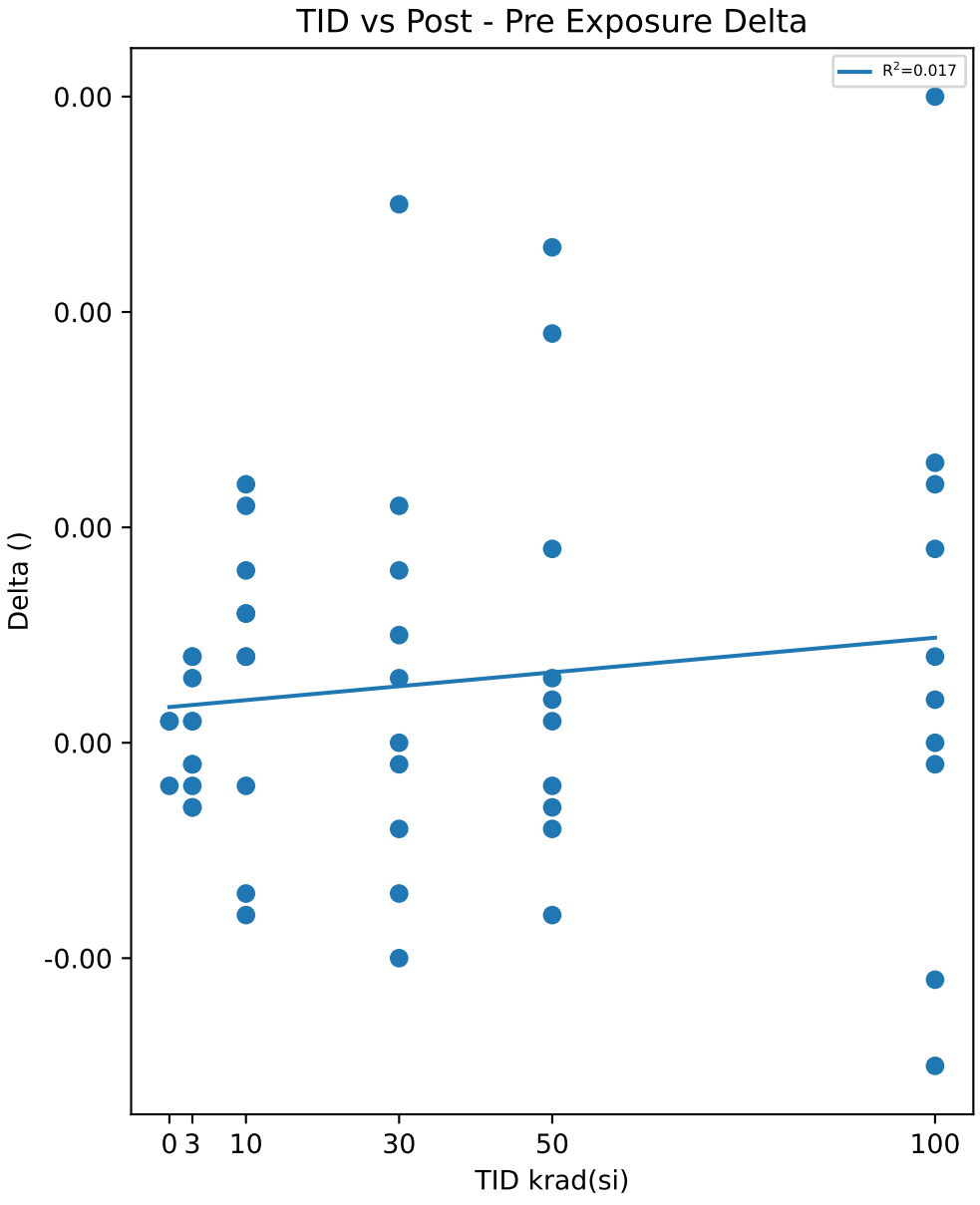
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
390	100	Biased	1.0709	1.0723	0.0014
392	100	Biased	1.0726	1.0714	-0.0012
393	100	Biased	1.0719	1.0734	0.0015
394	100	Biased	1.0751	1.0738	-0.0013
395	100	Biased	1.0751	1.0753	0.0002
412	100	Unbiased	1.0761	1.0761	0
413	100	Unbiased	1.0724	1.073	0.0006
414	100	Unbiased	1.0718	1.075	0.0032
415	100	Unbiased	1.07	1.0715	0.0015
416	100	Unbiased	1.0752	1.0755	0.0003
417	50	Biased	1.0847	1.0847	0
418	50	Biased	1.081	1.0805	-0.0005
419	50	Biased	1.0824	1.0816	-0.0008
421	50	Biased	1.0874	1.0876	0.0002
422	50	Biased	1.0721	1.0717	-0.0004
423	50	Unbiased	1.073	1.0737	0.0007
424	50	Unbiased	1.0826	1.0829	0.0003
425	50	Unbiased	1.0726	1.0752	0.0026
426	50	Unbiased	1.0763	1.0766	0.0003
427	50	Unbiased	1.0704	1.0729	0.0025
463	0	Corr	1.0765	1.0768	0.0003
464	0	Corr	1.0746	1.0746	0
465	0	Corr	1.0839	1.0837	-0.0002
466	30	Biased	1.0777	1.0779	0.0002
469	30	Biased	1.0702	1.0692	-0.001
470	30	Biased	1.075	1.075	0
472	30	Biased	1.0822	1.0829	0.0007
474	30	Biased	1.0801	1.0797	-0.0004
475	30	Unbiased	1.0839	1.0842	0.0003
477	30	Unbiased	1.0798	1.0803	0.0005
478	30	Unbiased	1.0717	1.0717	0
479	30	Unbiased	1.0721	1.0737	0.0016
480	30	Unbiased	1.0738	1.0765	0.0027
481	10	Biased	1.0824	1.0814	-0.001
482	10	Biased	1.0731	1.074	0.0009
483	10	Biased	1.0818	1.0825	0.0007
484	10	Biased	1.0811	1.0806	-0.0005
485	10	Biased	1.08	1.0811	0.0011
487	10	Unbiased	1.073	1.074	0.001
488	10	Unbiased	1.0719	1.0727	0.0008
489	10	Unbiased	1.0703	1.071	0.0007
490	10	Unbiased	1.0807	1.0807	0
491	10	Unbiased	1.0786	1.0799	0.0013
492	3	Biased	1.0775	1.0774	-0.0001
493	3	Biased	1.069	1.069	0
494	3	Biased	1.0814	1.0818	0.0004
495	3	Biased	1.0754	1.0752	-0.0002
496	3	Biased	1.0746	1.0751	0.0005
497	3	Unbiased	1.0813	1.0813	0
498	3	Unbiased	1.0762	1.0762	0
499	3	Unbiased	1.0819	1.0818	-0.0001
500	3	Unbiased	1.0695	1.0699	0.0004
502	3	Unbiased	1.0719	1.0719	0

Test Statistics ()

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	1.0746	1.0783	1.0839	0.0049136	1.0746	1.0784	1.0837	0.004748	-0.0002	3.3333e-05	0.0003	0.00025166
3	1.069	1.0759	1.0819	0.0047675	1.069	1.076	1.0818	0.0047355	-0.0002	9e-05	0.0005	0.00024698
10	1.0703	1.0773	1.0824	0.0046611	1.071	1.0778	1.0825	0.004317	-0.001	0.0005	0.0013	0.0007513
30	1.0702	1.0767	1.0839	0.0047603	1.0692	1.0771	1.0842	0.0048257	-0.001	0.00046	0.0027	0.0010416
50	1.0704	1.0783	1.0874	0.0060715	1.0717	1.0787	1.0876	0.0054649	-0.0008	0.00049	0.0026	0.0011723
100	1.07	1.0731	1.0761	0.002101	1.0714	1.0737	1.0761	0.0016971	-0.0013	0.00062	0.0032	0.001353

Device Test: 23.26 VSENSE_VTH_FALLING_GOOD(HRESHOLD|FALL/PWRGD/14////@VSENSE_VTH_FALLING_GOOD)





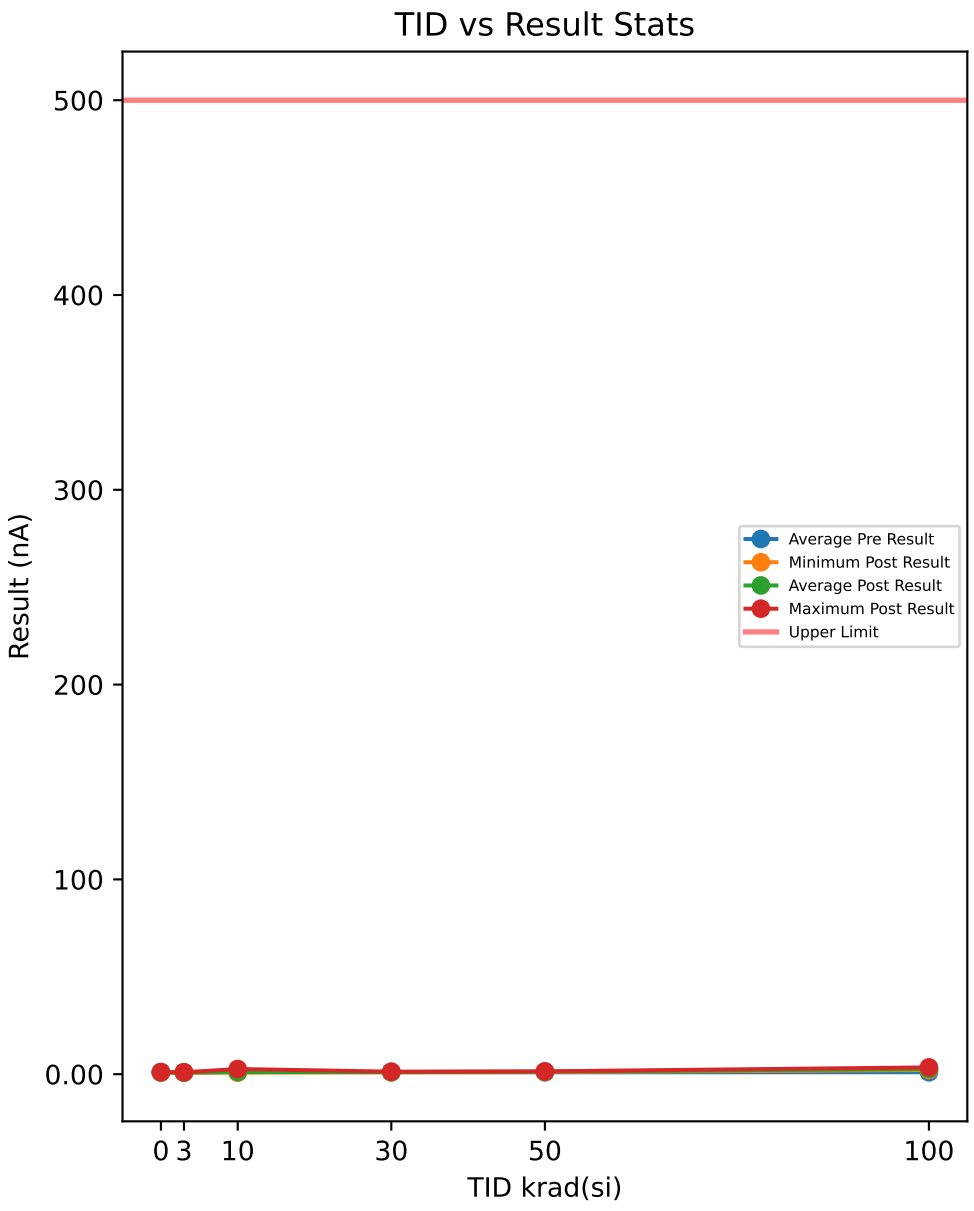
Test Results (Lower Limit = 1.03, Upper Limit = 1.09 ())

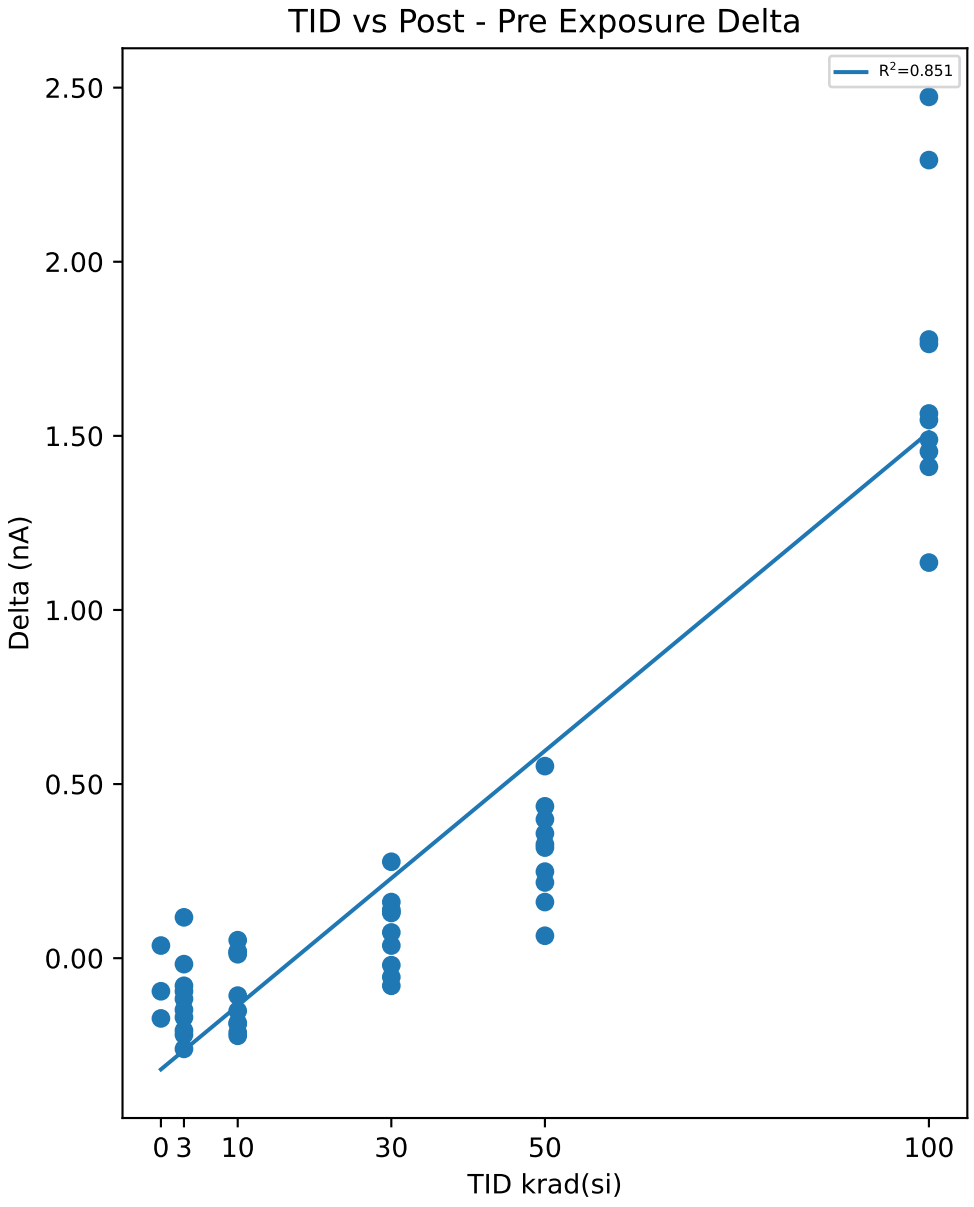
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
390	100	Biased	1.0396	1.0408	0.0012
392	100	Biased	1.0409	1.0398	-0.0011
393	100	Biased	1.0408	1.0417	0.0009
394	100	Biased	1.0434	1.0419	-0.0015
395	100	Biased	1.0439	1.0438	-0.0001
412	100	Unbiased	1.0445	1.0445	0
413	100	Unbiased	1.0409	1.0413	0.0004
414	100	Unbiased	1.0401	1.0431	0.003
415	100	Unbiased	1.0385	1.0398	0.0013
416	100	Unbiased	1.0437	1.0439	0.0002
417	50	Biased	1.0528	1.0526	-0.0002
418	50	Biased	1.049	1.0486	-0.0004
419	50	Biased	1.0505	1.0497	-0.0008
421	50	Biased	1.0555	1.0556	0.0001
422	50	Biased	1.0404	1.0401	-0.0003
423	50	Unbiased	1.0411	1.042	0.0009
424	50	Unbiased	1.0505	1.0508	0.0003
425	50	Unbiased	1.0414	1.0433	0.0019
426	50	Unbiased	1.0448	1.045	0.0002
427	50	Unbiased	1.0387	1.041	0.0023
463	0	Corr	1.0452	1.0453	0.0001
464	0	Corr	1.0429	1.043	0.0001
465	0	Corr	1.0518	1.0516	-0.0002
466	30	Biased	1.0462	1.0462	0
469	30	Biased	1.0385	1.0378	-0.0007
470	30	Biased	1.0435	1.0431	-0.0004
472	30	Biased	1.0505	1.051	0.0005
474	30	Biased	1.0484	1.0474	-0.001
475	30	Unbiased	1.0515	1.0523	0.0008
477	30	Unbiased	1.0479	1.0482	0.0003
478	30	Unbiased	1.04	1.0399	-0.0001
479	30	Unbiased	1.0406	1.0417	0.0011
480	30	Unbiased	1.0421	1.0446	0.0025
481	10	Biased	1.0501	1.0493	-0.0008
482	10	Biased	1.0414	1.0426	0.0012
483	10	Biased	1.0498	1.0504	0.0006
484	10	Biased	1.0492	1.0485	-0.0007
485	10	Biased	1.0483	1.0489	0.0006
487	10	Unbiased	1.0415	1.0419	0.0004
488	10	Unbiased	1.0402	1.041	0.0008
489	10	Unbiased	1.0389	1.0393	0.0004
490	10	Unbiased	1.049	1.0488	-0.0002
491	10	Unbiased	1.0469	1.048	0.0011
492	3	Biased	1.0456	1.0453	-0.0003
493	3	Biased	1.0373	1.0374	0.0001
494	3	Biased	1.0493	1.0497	0.0004
495	3	Biased	1.0439	1.0436	-0.0003
496	3	Biased	1.0429	1.0432	0.0003
497	3	Unbiased	1.0493	1.0494	0.0001
498	3	Unbiased	1.0449	1.0447	-0.0002
499	3	Unbiased	1.05	1.0499	-0.0001
500	3	Unbiased	1.0378	1.0382	0.0004
502	3	Unbiased	1.0405	1.0404	-0.0001

Test Statistics ()

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	1.0429	1.0466	1.0518	0.0046199	1.043	1.0466	1.0516	0.0044523	-0.0002	0	0.0001	0.00017321
3	1.0373	1.0441	1.05	0.0046203	1.0374	1.0442	1.0499	0.0045859	-0.0003	3e-05	0.0004	0.00027101
10	1.0389	1.0455	1.0501	0.0044702	1.0393	1.0459	1.0504	0.0041478	-0.0008	0.00034	0.0012	0.00069474
30	1.0385	1.0449	1.0515	0.0046082	1.0378	1.0452	1.0523	0.0046994	-0.001	0.0003	0.0025	0.0010111
50	1.0387	1.0465	1.0555	0.0059165	1.0401	1.0469	1.0556	0.0053306	-0.0008	0.0004	0.0023	0.00101
100	1.0385	1.0416	1.0445	0.0020769	1.0398	1.0421	1.0445	0.0016992	-0.0015	0.00043	0.003	0.0012807

Device Test: 23.27 PWRGD_OUTPUT_HIGH_LEAK(LEAK|MAX/PWRGD/14////@PWRGD_OUTPUT_HIGH_LEAK)





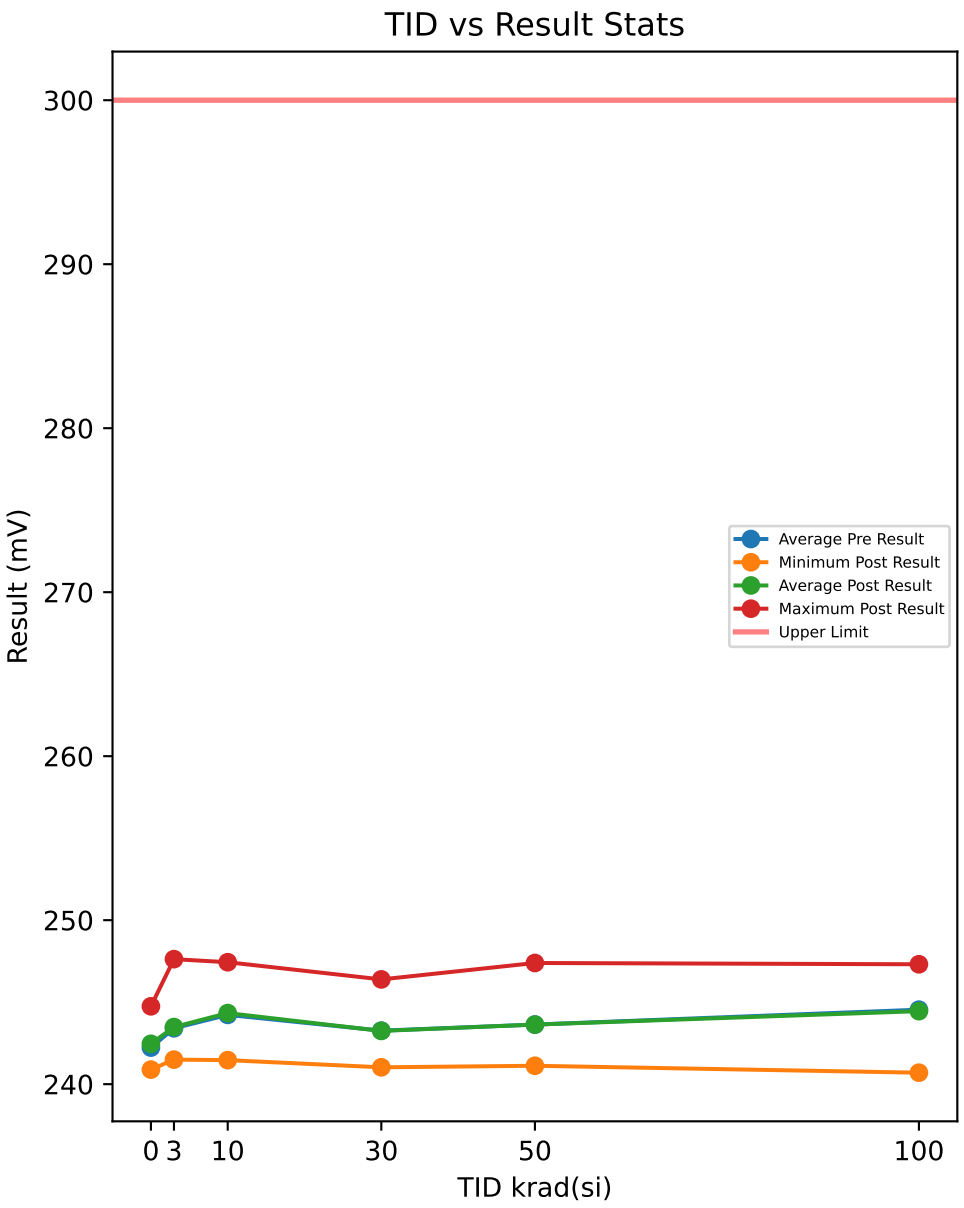
Test Results (Upper Limit = 500.0 (nA))

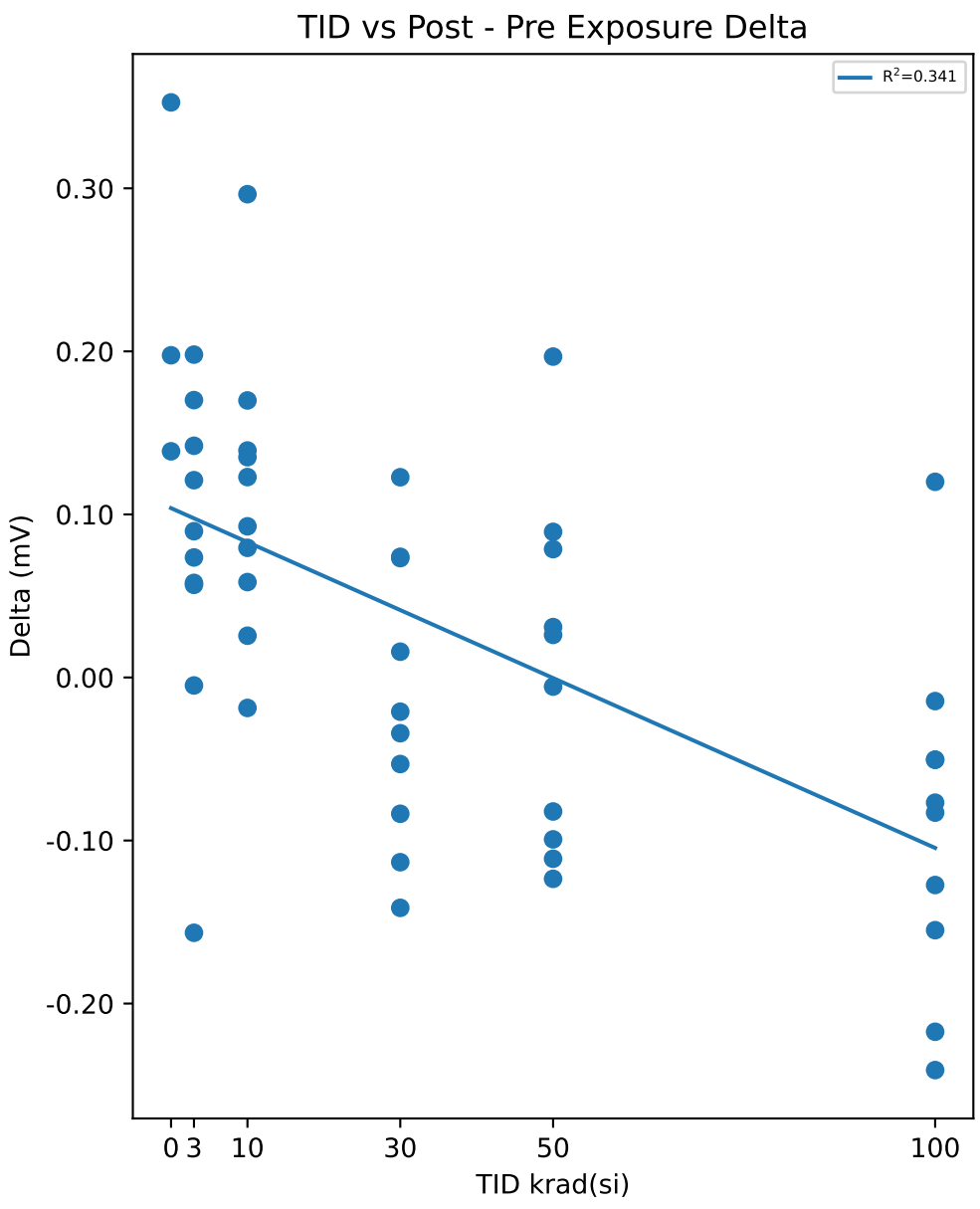
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
390	100	Biased	0.906	2.3951	1.4891
392	100	Biased	1.0871	2.542	1.4549
393	100	Biased	0.8093	3.1013	2.292
394	100	Biased	0.9934	2.1295	1.1361
395	100	Biased	1.1339	2.6795	1.5456
412	100	Unbiased	0.9903	2.4014	1.4111
413	100	Unbiased	1.0995	2.6638	1.5643
414	100	Unbiased	1.0153	3.4887	2.4734
415	100	Unbiased	0.9279	2.692	1.7641
416	100	Unbiased	1.0184	2.7951	1.7767
417	50	Biased	0.906	1.1234	0.2174
418	50	Biased	1.0995	1.4578	0.3583
419	50	Biased	0.9528	1.114	0.1612
421	50	Biased	1.009	1.3359	0.3269
422	50	Biased	1.0652	1.3828	0.3176
423	50	Unbiased	1.0621	1.1265	0.0644
424	50	Unbiased	0.9123	1.3484	0.4361
425	50	Unbiased	0.9528	1.3515	0.3987
426	50	Unbiased	0.8436	1.0922	0.2486
427	50	Unbiased	0.8374	1.389	0.5516
463	0	Corr	1.0371	1.0734	0.0363
464	0	Corr	0.9185	0.8235	-0.095
465	0	Corr	1.0871	0.9141	-0.173
466	30	Biased	0.8998	1.0297	0.1299
469	30	Biased	0.9903	1.2672	0.2769
470	30	Biased	1.1495	1.2234	0.0739
472	30	Biased	1.0527	0.9984	-0.0543
474	30	Biased	1.0309	0.9516	-0.0793
475	30	Unbiased	0.9622	0.9422	-0.02
477	30	Unbiased	1.1588	1.2921	0.1333
478	30	Unbiased	1.0871	1.1234	0.0363
479	30	Unbiased	0.9154	1.0766	0.1612
480	30	Unbiased	0.9684	1.1078	0.1394
481	10	Biased	2.6383	2.6576	0.0193
482	10	Biased	1.059	1.0703	0.0113
483	10	Biased	0.931	0.7797	-0.1513
484	10	Biased	1.1276	0.9047	-0.2229
485	10	Biased	0.9404	0.9578	0.0174
487	10	Unbiased	0.9528	0.7672	-0.1856
488	10	Unbiased	0.8374	0.8891	0.0517
489	10	Unbiased	1.0371	0.8485	-0.1886
490	10	Unbiased	0.9466	0.8391	-0.1075
491	10	Unbiased	1.4647	1.2515	-0.2132
492	3	Biased	1.0028	0.886	-0.1168
493	3	Biased	0.9747	0.7672	-0.2075
494	3	Biased	0.9528	0.8735	-0.0793
495	3	Biased	1.034	0.8141	-0.2199
496	3	Biased	0.7187	0.836	0.1173
497	3	Unbiased	1.1464	0.9766	-0.1698
498	3	Unbiased	1.0371	0.9422	-0.0949
499	3	Unbiased	1.0246	0.7641	-0.2605
500	3	Unbiased	0.9497	0.8016	-0.1481
502	3	Unbiased	0.7999	0.7828	-0.0171

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	0.9185	1.0142	1.0871	0.086595	0.8235	0.937	1.0734	0.12651	-0.173	-0.077233	0.0363	0.10578
3	0.7187	0.96407	1.1464	0.12303	0.7641	0.84441	0.9766	0.073516	-0.2605	-0.11966	0.1173	0.11047
10	0.8374	1.1935	2.6383	0.53609	0.7672	1.0966	2.6576	0.56739	-0.2229	-0.09694	0.0517	0.1101
30	0.8998	1.0215	1.1588	0.090663	0.9422	1.1012	1.2921	0.12623	-0.0793	0.07973	0.2769	0.11034
50	0.8374	0.96407	1.0995	0.092533	1.0922	1.2722	1.4578	0.14035	0.0644	0.30808	0.5516	0.14126
100	0.8093	0.99811	1.1339	0.098031	2.1295	2.6888	3.4887	0.38373	1.1361	1.6907	2.4734	0.40906

Device Test: 23.28 PWRGD_OUTPUT_LOW(VOL|2mA/PWRGD/14////@PWRGD_OUTPUT_LOW)





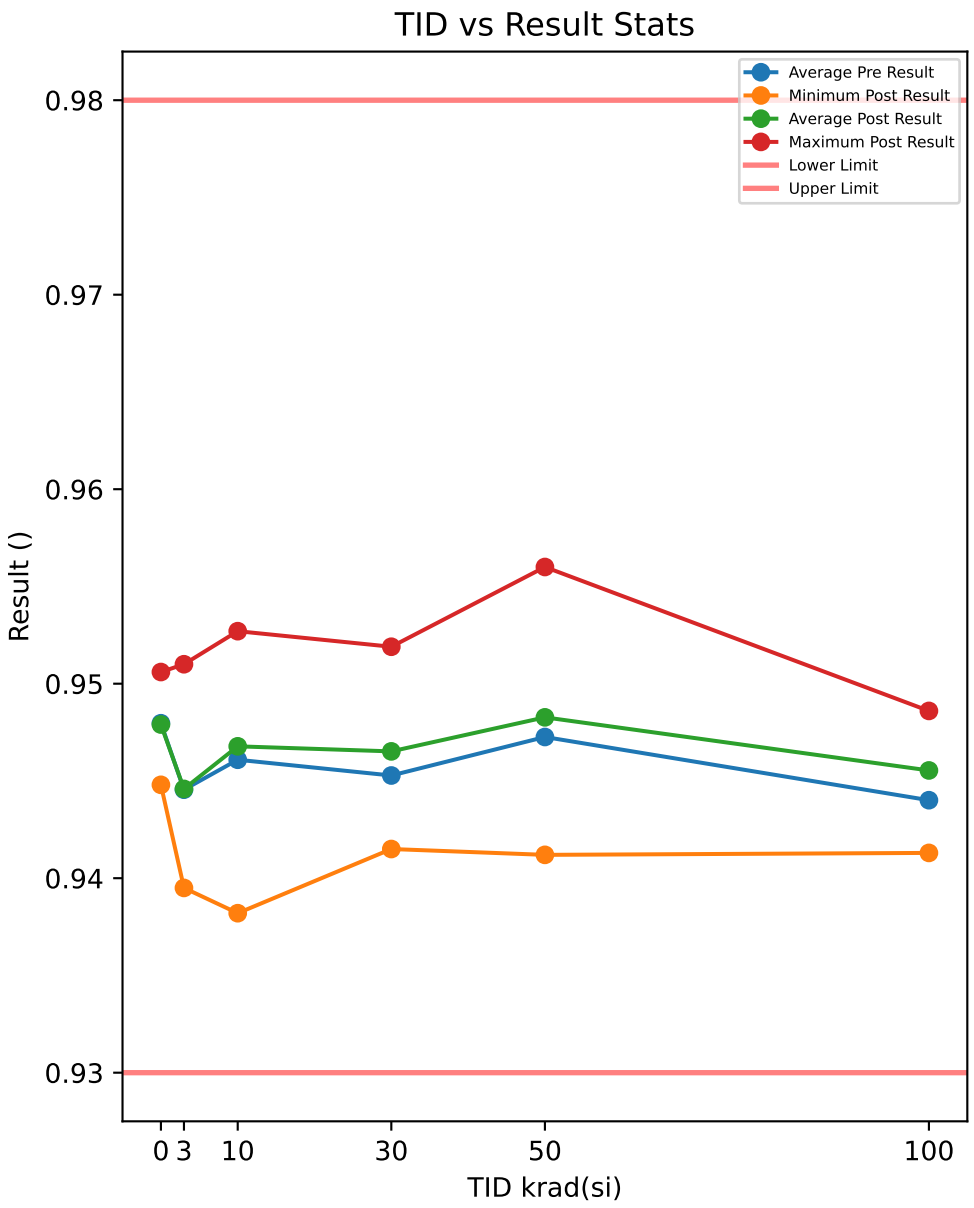
Test Results (Upper Limit = 300.0 (mV))

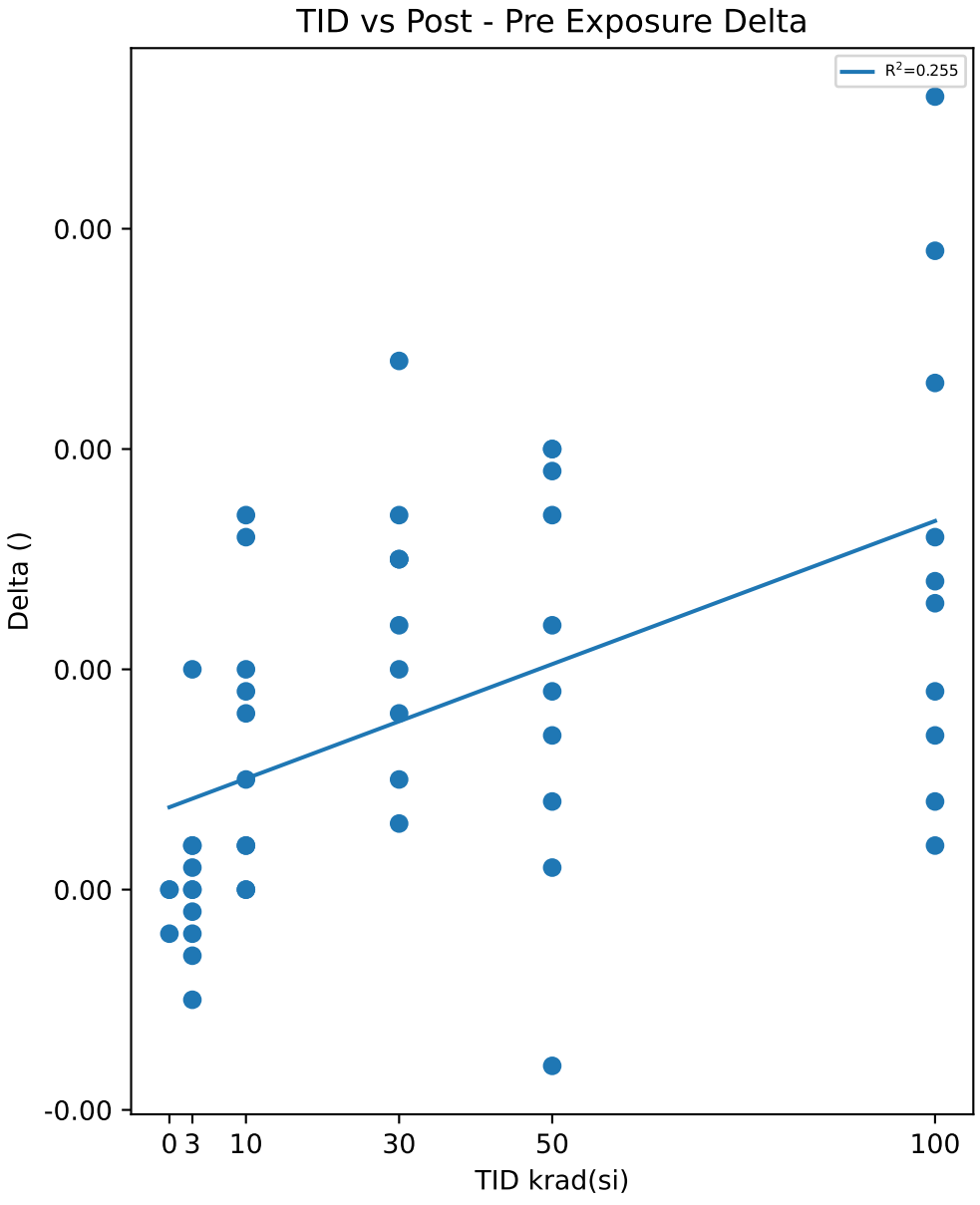
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
390	100	Biased	243.27	243.22	-0.0504
392	100	Biased	242.22	242.14	-0.0829
393	100	Biased	243.16	243.11	-0.0505
394	100	Biased	240.94	240.7	-0.2408
395	100	Biased	244.33	244.2	-0.1273
412	100	Unbiased	247.18	247.17	-0.0145
413	100	Unbiased	247.53	247.31	-0.2173
414	100	Unbiased	242.1	242.22	0.12
415	100	Unbiased	247.34	247.19	-0.155
416	100	Unbiased	247.36	247.28	-0.0768
417	50	Biased	241.55	241.54	-0.0056
418	50	Biased	241.94	241.97	0.0261
419	50	Biased	242.88	242.79	-0.0822
421	50	Biased	246.76	246.84	0.0787
422	50	Biased	241.63	241.53	-0.0993
423	50	Unbiased	244.75	244.64	-0.1112
424	50	Unbiased	247.51	247.39	-0.1235
425	50	Unbiased	242.47	242.56	0.0893
426	50	Unbiased	240.93	241.12	0.1968
427	50	Unbiased	245.92	245.95	0.0309
463	0	Corr	244.61	244.75	0.1387
464	0	Corr	241.55	241.75	0.1976
465	0	Corr	240.53	240.89	0.3527
466	30	Biased	242.99	242.87	-0.1133
469	30	Biased	245.75	245.61	-0.1413
470	30	Biased	246.37	246.39	0.0158
472	30	Biased	242.13	242.2	0.0732
474	30	Biased	241.75	241.73	-0.021
475	30	Unbiased	242.7	242.78	0.074
477	30	Unbiased	241.08	241.03	-0.0531
478	30	Unbiased	241.69	241.61	-0.0836
479	30	Unbiased	244.39	244.51	0.1228
480	30	Unbiased	243.78	243.75	-0.0342
481	10	Biased	241.44	241.47	0.0256
482	10	Biased	242.89	242.95	0.0585
483	10	Biased	247.36	247.44	0.0795
484	10	Biased	244.53	244.7	0.1699
485	10	Biased	245.01	245.15	0.1392
487	10	Unbiased	241.63	241.76	0.1351
488	10	Unbiased	245.34	245.44	0.0927
489	10	Unbiased	243.7	243.68	-0.0187
490	10	Unbiased	244.5	244.62	0.1229
491	10	Unbiased	245.84	246.14	0.2964
492	3	Biased	242.38	242.45	0.0736
493	3	Biased	247.48	247.62	0.1421
494	3	Biased	244.7	244.87	0.1701
495	3	Biased	242.16	242.15	-0.0049
496	3	Biased	242.83	242.95	0.121
497	3	Unbiased	242.8	242.89	0.0897
498	3	Unbiased	242.39	242.45	0.058
499	3	Unbiased	241.44	241.5	0.0568
500	3	Unbiased	241.96	242.15	0.198
502	3	Unbiased	245.95	245.79	-0.1566

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	240.53	242.23	244.61	2.121	240.89	242.46	244.75	2.0267	0.1387	0.22967	0.3527	0.11055
3	241.44	243.41	247.48	1.9744	241.5	243.48	247.62	1.9627	-0.1566	0.07478	0.198	0.10091
10	241.44	244.22	247.36	1.8563	241.47	244.34	247.44	1.8902	-0.0187	0.11011	0.2964	0.086635
30	241.08	243.26	246.37	1.7822	241.03	243.25	246.39	1.7846	-0.1413	-0.01607	0.1228	0.086797
50	240.93	243.63	247.51	2.3994	241.12	243.63	247.39	2.3694	-0.1235	5.6843e-15	0.1968	0.10478
100	240.94	244.54	247.53	2.5731	240.7	244.45	247.31	2.5574	-0.2408	-0.08955	0.12	0.1042

Device Test: 23.3 VSENSE_VTH_RISING_GOOD(HRESHOLD|RISE/PWRGD/4.5////@VSENSE_VTH_RISING_GOOD)





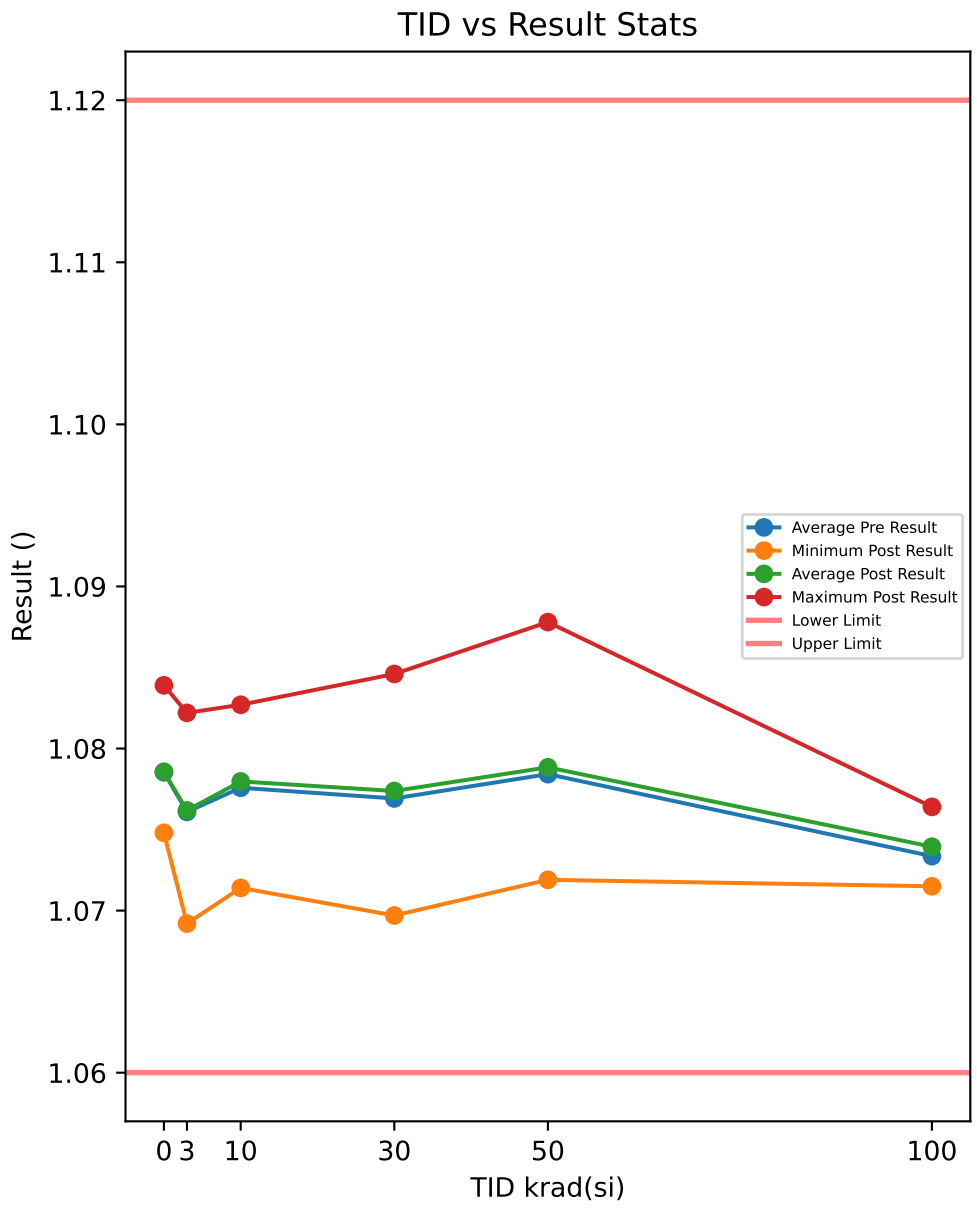
Test Results (Lower Limit = 0.93, Upper Limit = 0.98 ())

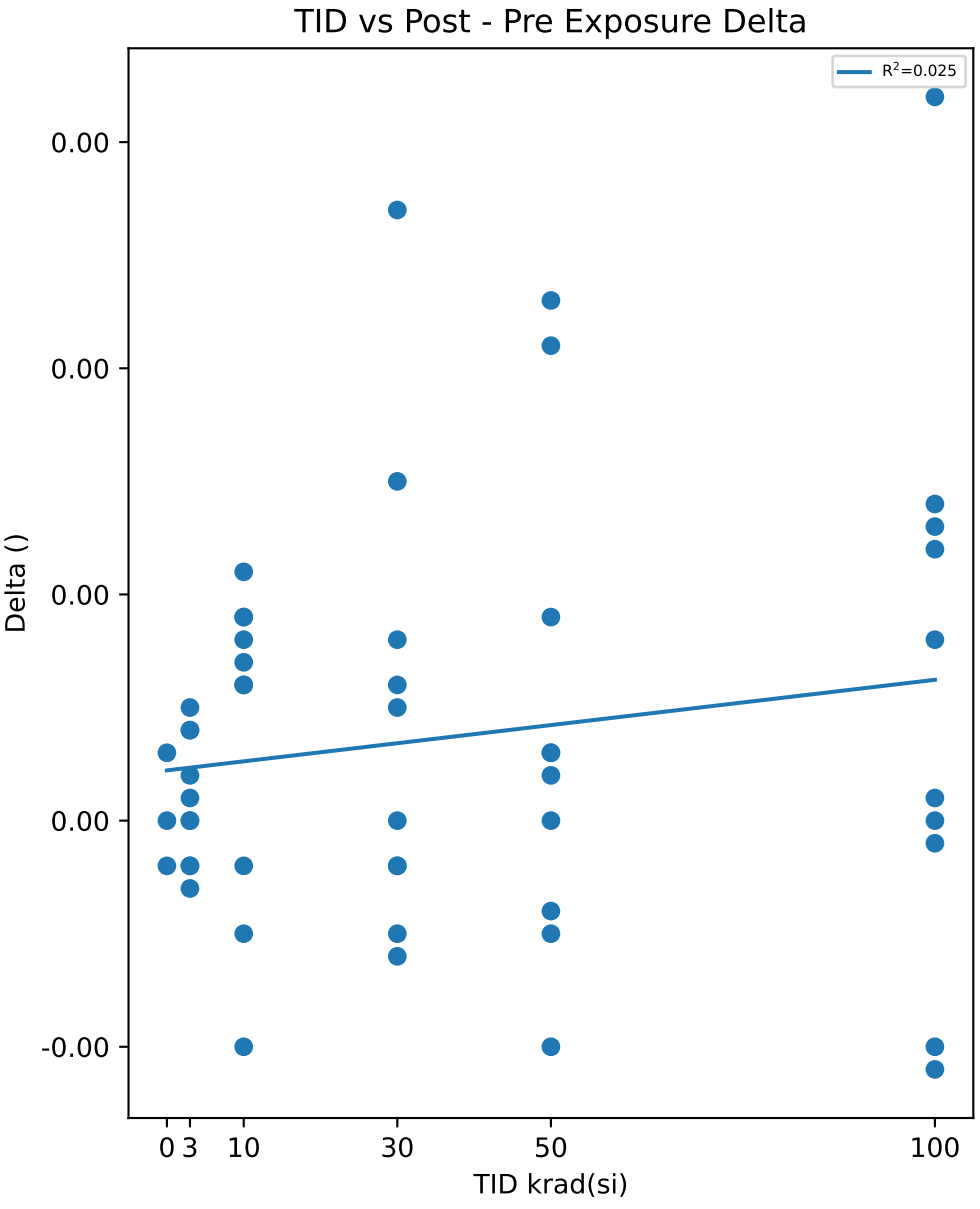
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
390	100	Biased	0.9399	0.9413	0.0014
392	100	Biased	0.9431	0.944	0.0009
393	100	Biased	0.9398	0.9434	0.0036
394	100	Biased	0.9468	0.947	0.0002
395	100	Biased	0.9448	0.9464	0.0016
412	100	Unbiased	0.947	0.9477	0.0007
413	100	Unbiased	0.945	0.9454	0.0004
414	100	Unbiased	0.9439	0.9468	0.0029
415	100	Unbiased	0.9425	0.9448	0.0023
416	100	Unbiased	0.9473	0.9486	0.0013
417	50	Biased	0.9542	0.9551	0.0009
418	50	Biased	0.9474	0.9481	0.0007
419	50	Biased	0.9529	0.9548	0.0019
421	50	Biased	0.954	0.956	0.002
422	50	Biased	0.9429	0.9433	0.0004
423	50	Unbiased	0.9442	0.9459	0.0017
424	50	Unbiased	0.9515	0.9516	0.0001
425	50	Unbiased	0.9429	0.9441	0.0012
426	50	Unbiased	0.9434	0.9426	-0.0008
427	50	Unbiased	0.9392	0.9412	0.002
463	0	Corr	0.9485	0.9483	-0.0002
464	0	Corr	0.9448	0.9448	0
465	0	Corr	0.9506	0.9506	0
466	30	Biased	0.946	0.9475	0.0015
469	30	Biased	0.94	0.9415	0.0015
470	30	Biased	0.9425	0.9433	0.0008
472	30	Biased	0.9502	0.9514	0.0012
474	30	Biased	0.9476	0.9486	0.001
475	30	Unbiased	0.9504	0.9519	0.0015
477	30	Unbiased	0.9481	0.9486	0.0005
478	30	Unbiased	0.9443	0.9446	0.0003
479	30	Unbiased	0.9422	0.9439	0.0017
480	30	Unbiased	0.9415	0.9439	0.0024
481	10	Biased	0.9503	0.9503	0
482	10	Biased	0.9429	0.9438	0.0009
483	10	Biased	0.9519	0.9527	0.0008
484	10	Biased	0.9495	0.9497	0.0002
485	10	Biased	0.9455	0.9465	0.001
487	10	Unbiased	0.9424	0.9441	0.0017
488	10	Unbiased	0.9377	0.9382	0.0005
489	10	Unbiased	0.9438	0.944	0.0002
490	10	Unbiased	0.951	0.951	0
491	10	Unbiased	0.9459	0.9475	0.0016
492	3	Biased	0.9462	0.9457	-0.0005
493	3	Biased	0.9396	0.9395	-0.0001
494	3	Biased	0.95	0.951	0.001
495	3	Biased	0.9436	0.9433	-0.0003
496	3	Biased	0.9413	0.9415	0.0002
497	3	Unbiased	0.9492	0.9492	0
498	3	Unbiased	0.9443	0.9445	0.0002
499	3	Unbiased	0.947	0.9468	-0.0002
500	3	Unbiased	0.941	0.941	0
502	3	Unbiased	0.9433	0.9434	0.0001

Test Statistics ()

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	0.9448	0.94797	0.9506	0.0029366	0.9448	0.9479	0.9506	0.0029206	-0.0002	-6.6667e-05	0	0.00011547
3	0.9396	0.94455	0.95	0.0034999	0.9395	0.94459	0.951	0.0036498	-0.0005	4e-05	0.001	0.00040332
10	0.9377	0.94609	0.9519	0.0045586	0.9382	0.94678	0.9527	0.0043688	0	0.00069	0.0017	0.00062084
30	0.94	0.94528	0.9504	0.0037211	0.9415	0.94652	0.9519	0.0035801	0.0003	0.00124	0.0024	0.0006186
50	0.9392	0.94726	0.9542	0.0054838	0.9412	0.94827	0.956	0.0056765	-0.0008	0.00101	0.002	0.00093387
100	0.9398	0.94401	0.9473	0.0027262	0.9413	0.94554	0.9486	0.0022107	0.0002	0.00153	0.0036	0.0011036

Device Test: 23.4 VSENSE_VTH_RISING_FAULT(HRESHOLD|RISE/PWRGD/4.5////@VSENSE_VTH_RISING_FAULT)





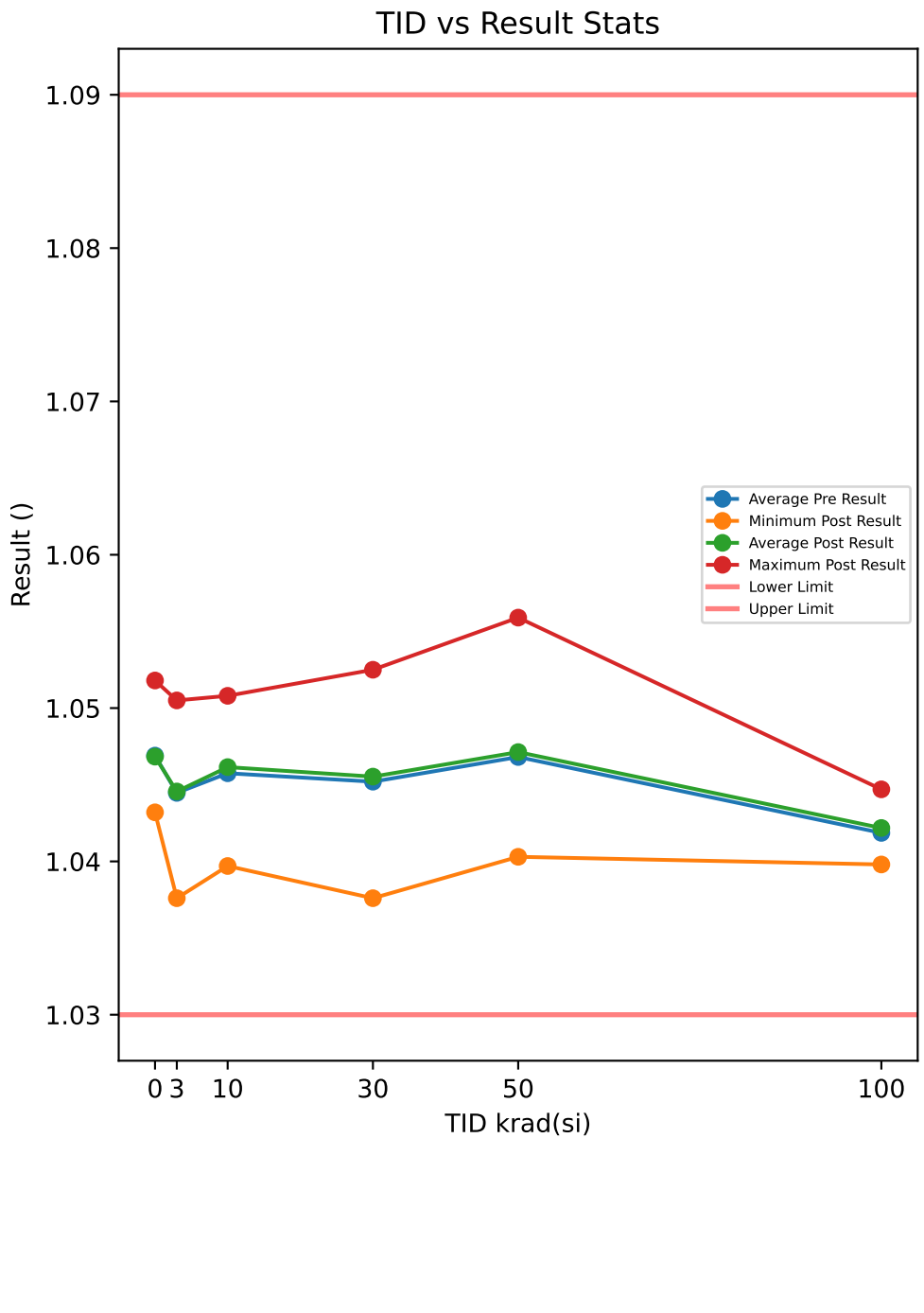
Test Results (Lower Limit = 1.06, Upper Limit = 1.12 ())

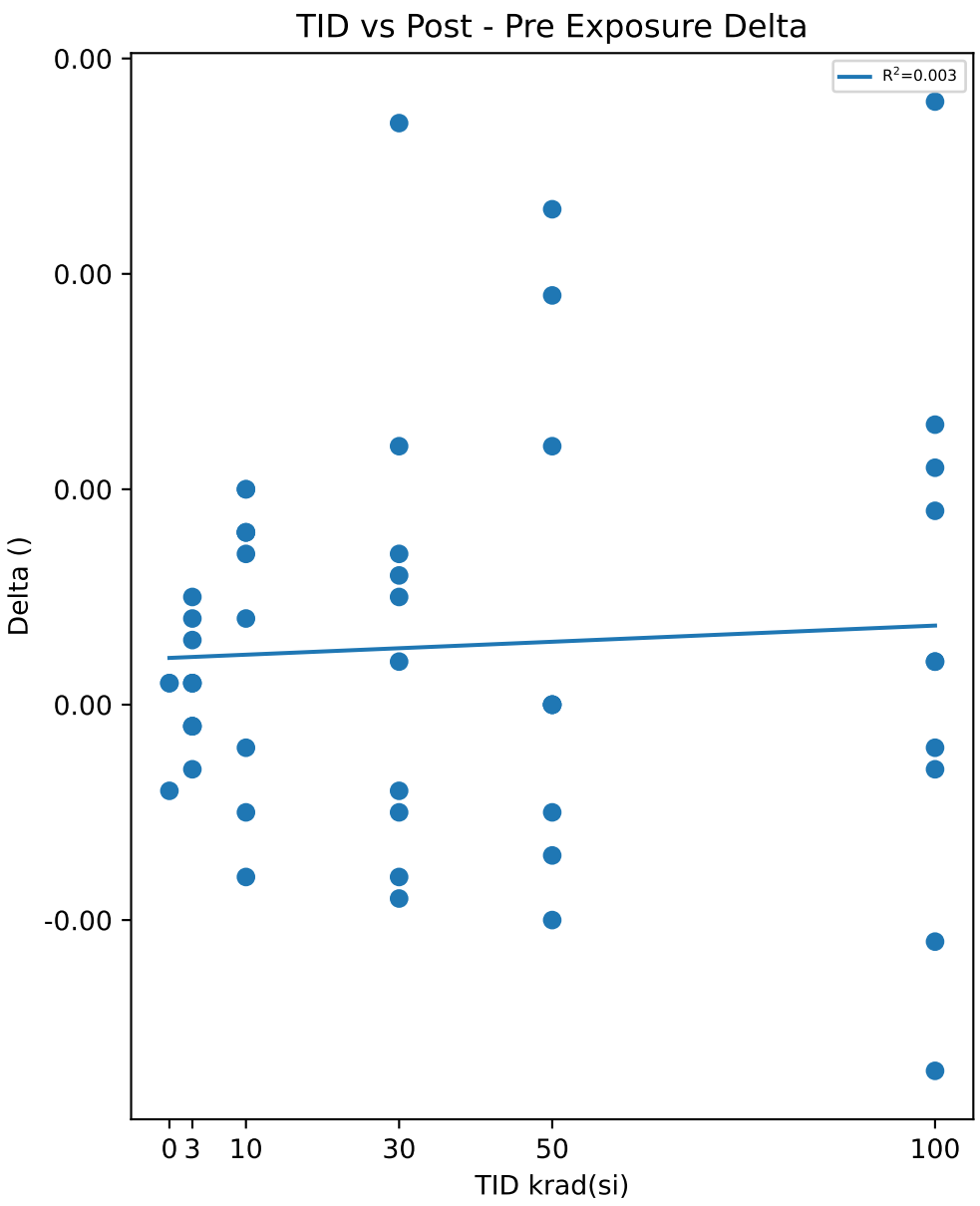
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
390	100	Biased	1.0711	1.0725	0.0014
392	100	Biased	1.0728	1.0718	-0.001
393	100	Biased	1.0724	1.0736	0.0012
394	100	Biased	1.0753	1.0742	-0.0011
395	100	Biased	1.0755	1.0755	0
412	100	Unbiased	1.0765	1.0764	-0.0001
413	100	Unbiased	1.0724	1.0732	0.0008
414	100	Unbiased	1.0718	1.075	0.0032
415	100	Unbiased	1.0702	1.0715	0.0013
416	100	Unbiased	1.0756	1.0757	0.0001
417	50	Biased	1.0847	1.0847	0
418	50	Biased	1.0812	1.0807	-0.0005
419	50	Biased	1.0826	1.0816	-0.001
421	50	Biased	1.0876	1.0878	0.0002
422	50	Biased	1.0723	1.0719	-0.0004
423	50	Unbiased	1.073	1.0739	0.0009
424	50	Unbiased	1.0826	1.0829	0.0003
425	50	Unbiased	1.0729	1.0752	0.0023
426	50	Unbiased	1.0765	1.0768	0.0003
427	50	Unbiased	1.0708	1.0729	0.0021
463	0	Corr	1.0767	1.077	0.0003
464	0	Corr	1.0748	1.0748	0
465	0	Corr	1.0841	1.0839	-0.0002
466	30	Biased	1.0781	1.0781	0
469	30	Biased	1.0702	1.0697	-0.0005
470	30	Biased	1.0752	1.075	-0.0002
472	30	Biased	1.0828	1.0834	0.0006
474	30	Biased	1.0805	1.0799	-0.0006
475	30	Unbiased	1.0841	1.0846	0.0005
477	30	Unbiased	1.08	1.0808	0.0008
478	30	Unbiased	1.0719	1.0717	-0.0002
479	30	Unbiased	1.0724	1.0739	0.0015
480	30	Unbiased	1.074	1.0767	0.0027
481	10	Biased	1.0824	1.0814	-0.001
482	10	Biased	1.0735	1.0744	0.0009
483	10	Biased	1.082	1.0827	0.0007
484	10	Biased	1.0813	1.0808	-0.0005
485	10	Biased	1.0802	1.0813	0.0011
487	10	Unbiased	1.0734	1.074	0.0006
488	10	Unbiased	1.0721	1.0727	0.0006
489	10	Unbiased	1.0706	1.0714	0.0008
490	10	Unbiased	1.0811	1.0809	-0.0002
491	10	Unbiased	1.0792	1.0801	0.0009
492	3	Biased	1.0777	1.0774	-0.0003
493	3	Biased	1.0694	1.0692	-0.0002
494	3	Biased	1.0814	1.0818	0.0004
495	3	Biased	1.0756	1.0754	-0.0002
496	3	Biased	1.0748	1.0753	0.0005
497	3	Unbiased	1.0817	1.0817	0
498	3	Unbiased	1.0766	1.0766	0
499	3	Unbiased	1.0821	1.0822	0.0001
500	3	Unbiased	1.0697	1.0701	0.0004
502	3	Unbiased	1.0719	1.0721	0.0002

Test Statistics ()

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	1.0748	1.0785	1.0841	0.0049136	1.0748	1.0786	1.0839	0.004748	-0.0002	3.3333e-05	0.0003	0.00025166
3	1.0694	1.0761	1.0821	0.0047573	1.0692	1.0762	1.0822	0.0047572	-0.0003	9e-05	0.0005	0.00028067
10	1.0706	1.0776	1.0824	0.004611	1.0714	1.078	1.0827	0.0042921	-0.001	0.00039	0.0011	0.00070309
30	1.0702	1.0769	1.0841	0.0048545	1.0697	1.0774	1.0846	0.0049037	-0.0006	0.00046	0.0027	0.00102
50	1.0708	1.0784	1.0876	0.0060133	1.0719	1.0788	1.0878	0.0054512	-0.001	0.00042	0.0023	0.0010737
100	1.0702	1.0734	1.0765	0.0021834	1.0715	1.0739	1.0764	0.0017011	-0.0011	0.00058	0.0032	0.0012839

Device Test: 23.5 VSENSE_VTH_FALLING_GOOD(HRESHOLD|FALL/PWRGD/4.5////@VSENSE_VTH_FALLING_GOOD)





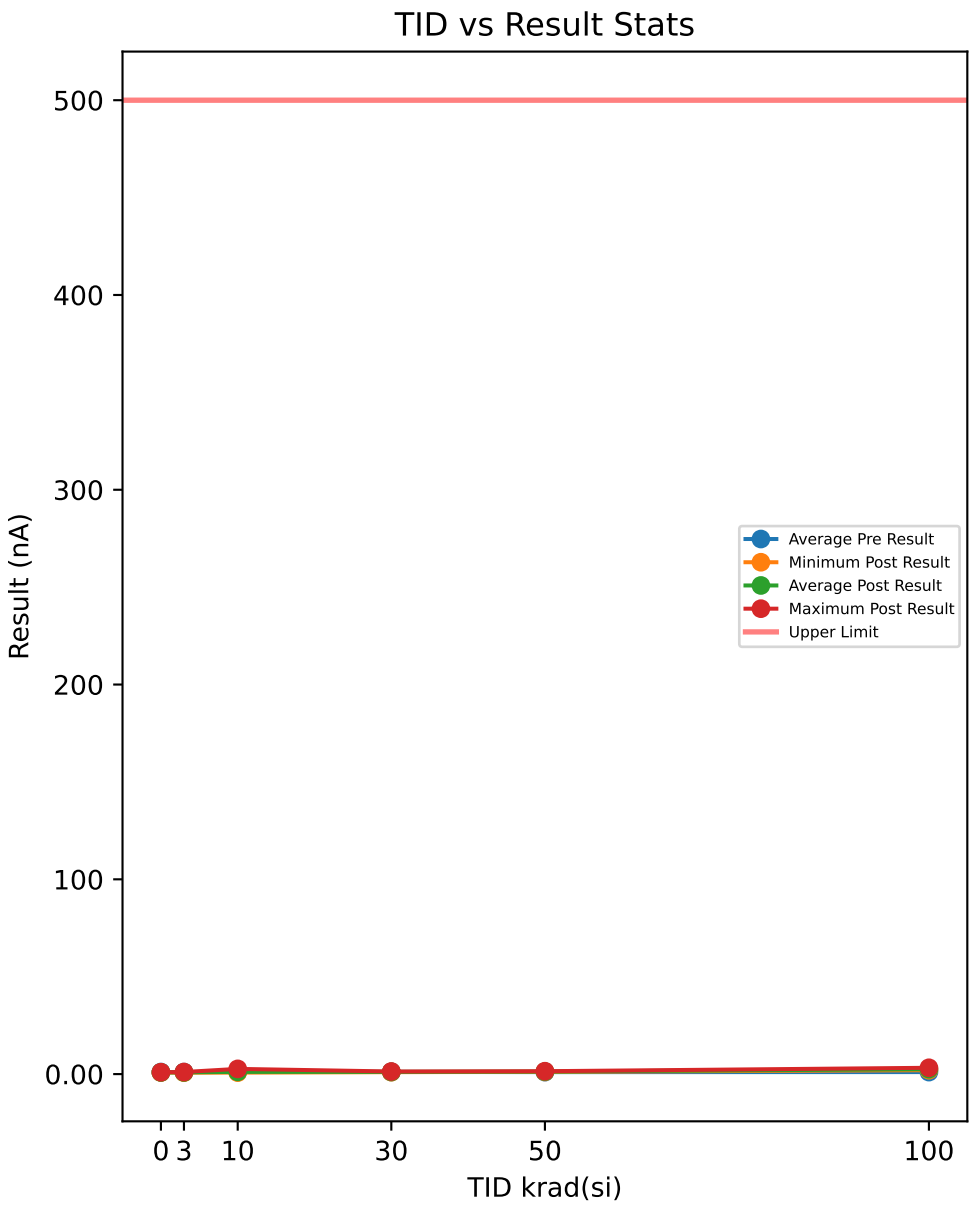
Test Results (Lower Limit = 1.03, Upper Limit = 1.09 ())

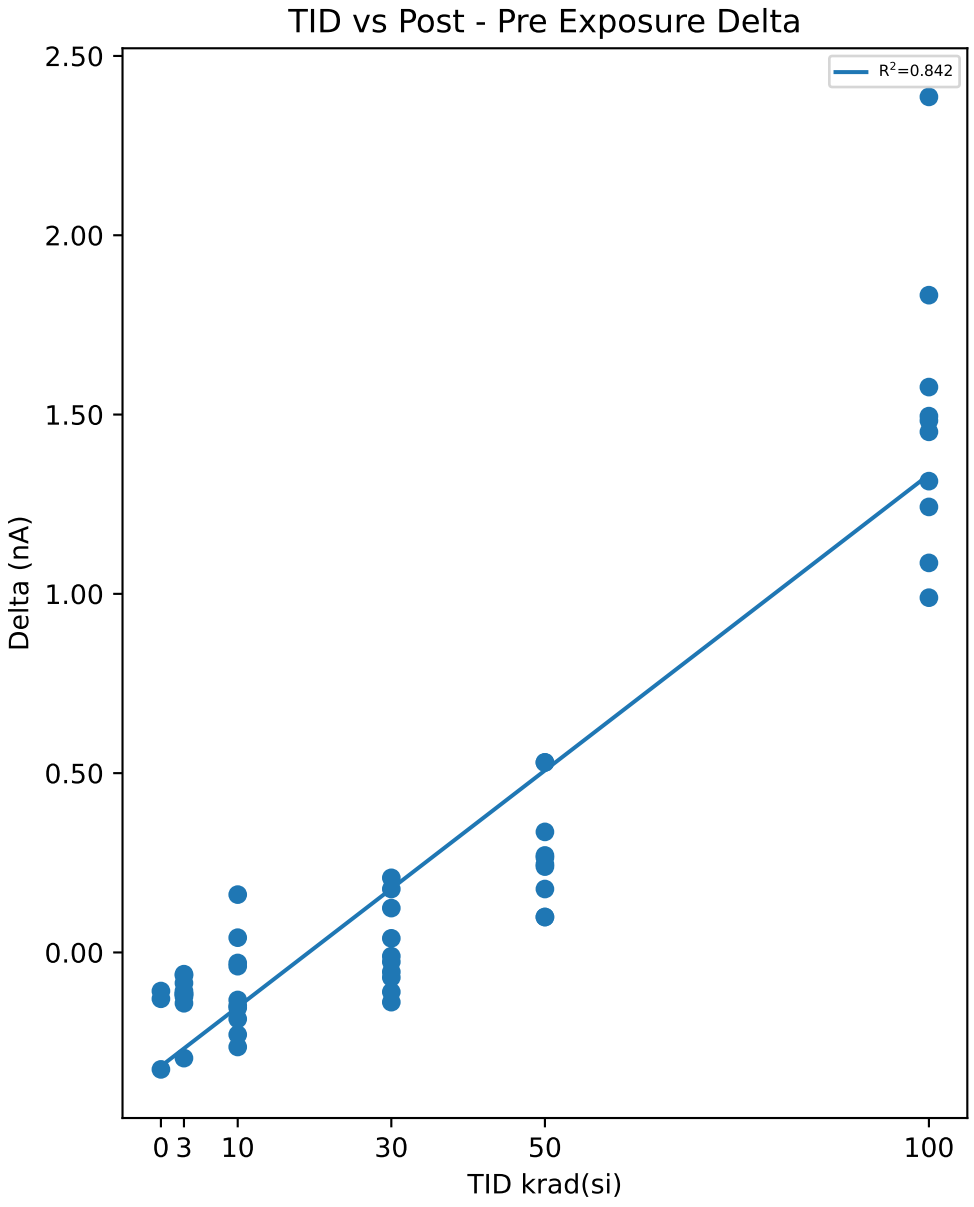
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
390	100	Biased	1.0399	1.0408	0.0009
392	100	Biased	1.0411	1.04	-0.0011
393	100	Biased	1.0408	1.0421	0.0013
394	100	Biased	1.0436	1.0419	-0.0017
395	100	Biased	1.0441	1.0438	-0.0003
412	100	Unbiased	1.0449	1.0447	-0.0002
413	100	Unbiased	1.0411	1.0413	0.0002
414	100	Unbiased	1.0405	1.0433	0.0028
415	100	Unbiased	1.0387	1.0398	0.0011
416	100	Unbiased	1.0439	1.0441	0.0002
417	50	Biased	1.053	1.053	0
418	50	Biased	1.0495	1.0488	-0.0007
419	50	Biased	1.0509	1.0499	-0.001
421	50	Biased	1.0559	1.0559	0
422	50	Biased	1.0408	1.0403	-0.0005
423	50	Unbiased	1.0413	1.0425	0.0012
424	50	Unbiased	1.051	1.051	0
425	50	Unbiased	1.0416	1.0435	0.0019
426	50	Unbiased	1.045	1.045	0
427	50	Unbiased	1.0391	1.0414	0.0023
463	0	Corr	1.0454	1.0455	0.0001
464	0	Corr	1.0431	1.0432	0.0001
465	0	Corr	1.0522	1.0518	-0.0004
466	30	Biased	1.0462	1.0464	0.0002
469	30	Biased	1.0385	1.0376	-0.0009
470	30	Biased	1.0437	1.0433	-0.0004
472	30	Biased	1.0507	1.0514	0.0007
474	30	Biased	1.0488	1.048	-0.0008
475	30	Unbiased	1.052	1.0525	0.0005
477	30	Unbiased	1.0483	1.0489	0.0006
478	30	Unbiased	1.0404	1.0399	-0.0005
479	30	Unbiased	1.0411	1.0423	0.0012
480	30	Unbiased	1.0423	1.045	0.0027
481	10	Biased	1.0503	1.0495	-0.0008
482	10	Biased	1.042	1.0428	0.0008
483	10	Biased	1.05	1.0508	0.0008
484	10	Biased	1.0492	1.0487	-0.0005
485	10	Biased	1.0485	1.0489	0.0004
487	10	Unbiased	1.0418	1.0425	0.0007
488	10	Unbiased	1.0404	1.0414	0.001
489	10	Unbiased	1.0389	1.0397	0.0008
490	10	Unbiased	1.0492	1.049	-0.0002
491	10	Unbiased	1.0472	1.0482	0.001
492	3	Biased	1.0458	1.0457	-0.0001
493	3	Biased	1.0377	1.0376	-0.0001
494	3	Biased	1.0497	1.0501	0.0004
495	3	Biased	1.0441	1.044	-0.0001
496	3	Biased	1.0435	1.0438	0.0003
497	3	Unbiased	1.0495	1.0496	0.0001
498	3	Unbiased	1.0453	1.0454	0.0001
499	3	Unbiased	1.0504	1.0505	0.0001
500	3	Unbiased	1.038	1.0385	0.0005
502	3	Unbiased	1.0407	1.0404	-0.0003

Test Statistics ()

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	1.0431	1.0469	1.0522	0.0047318	1.0432	1.0468	1.0518	0.0044523	-0.0004	-6.6667e-05	0.0001	0.00028868
3	1.0377	1.0445	1.0504	0.0046339	1.0376	1.0446	1.0505	0.0046755	-0.0003	9e-05	0.0005	0.00025144
10	1.0389	1.0457	1.0503	0.0044403	1.0397	1.0462	1.0508	0.0040544	-0.0008	0.0004	0.001	0.00065828
30	1.0385	1.0452	1.052	0.0046602	1.0376	1.0455	1.0525	0.0048479	-0.0009	0.00033	0.0027	0.0010874
50	1.0391	1.0468	1.0559	0.0059517	1.0403	1.0471	1.0559	0.0053275	-0.001	0.00032	0.0023	0.0011084
100	1.0387	1.0419	1.0449	0.0020924	1.0398	1.0422	1.0447	0.0017351	-0.0017	0.00032	0.0028	0.0012839

Device Test: 23.6 PWRGD_OUTPUT_HIGH_LEAK(LEAK|MAX/PWRGD/4.5////@PWRGD_OUTPUT_HIGH_LEAK)





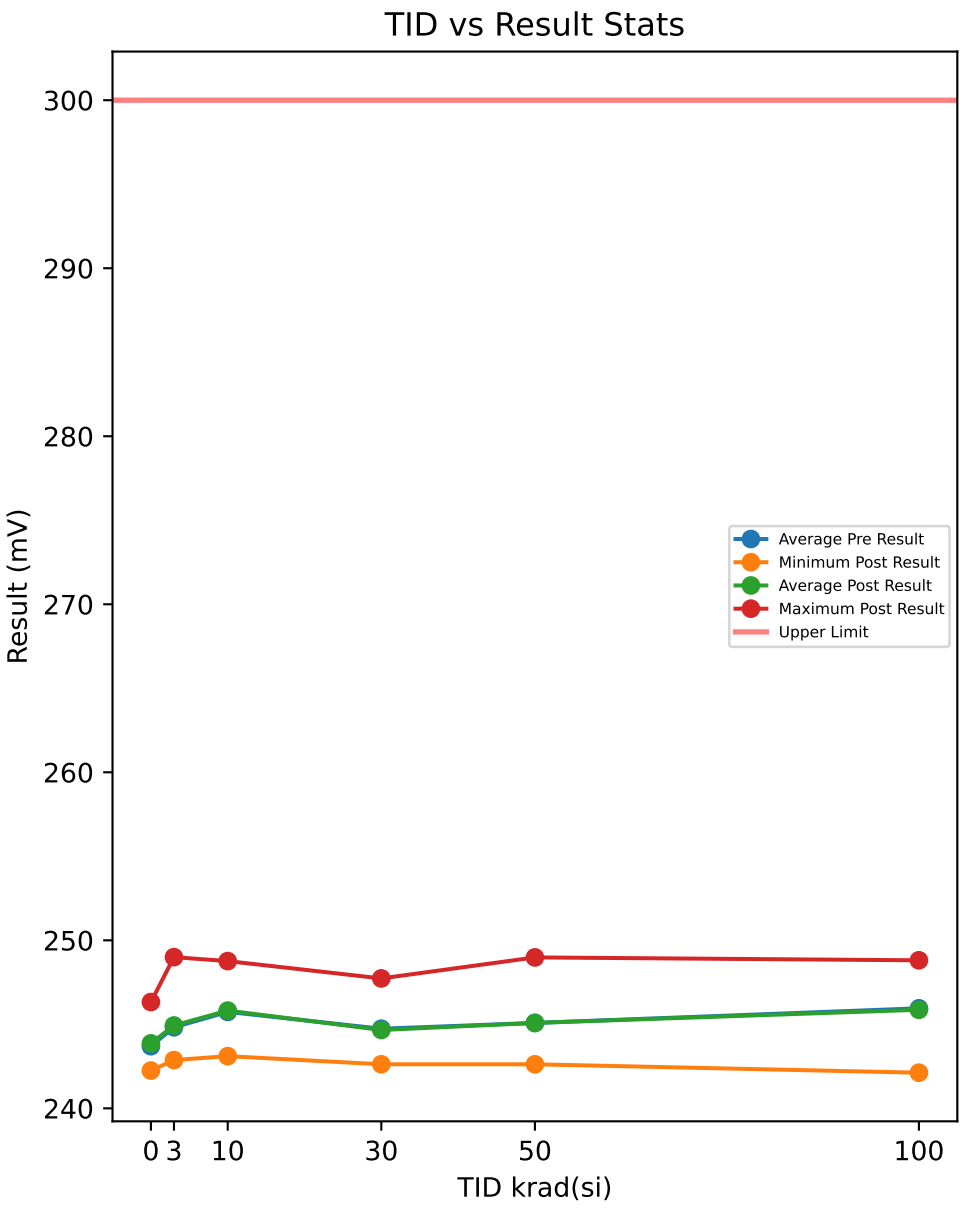
Test Results (Upper Limit = 500.0 (nA))

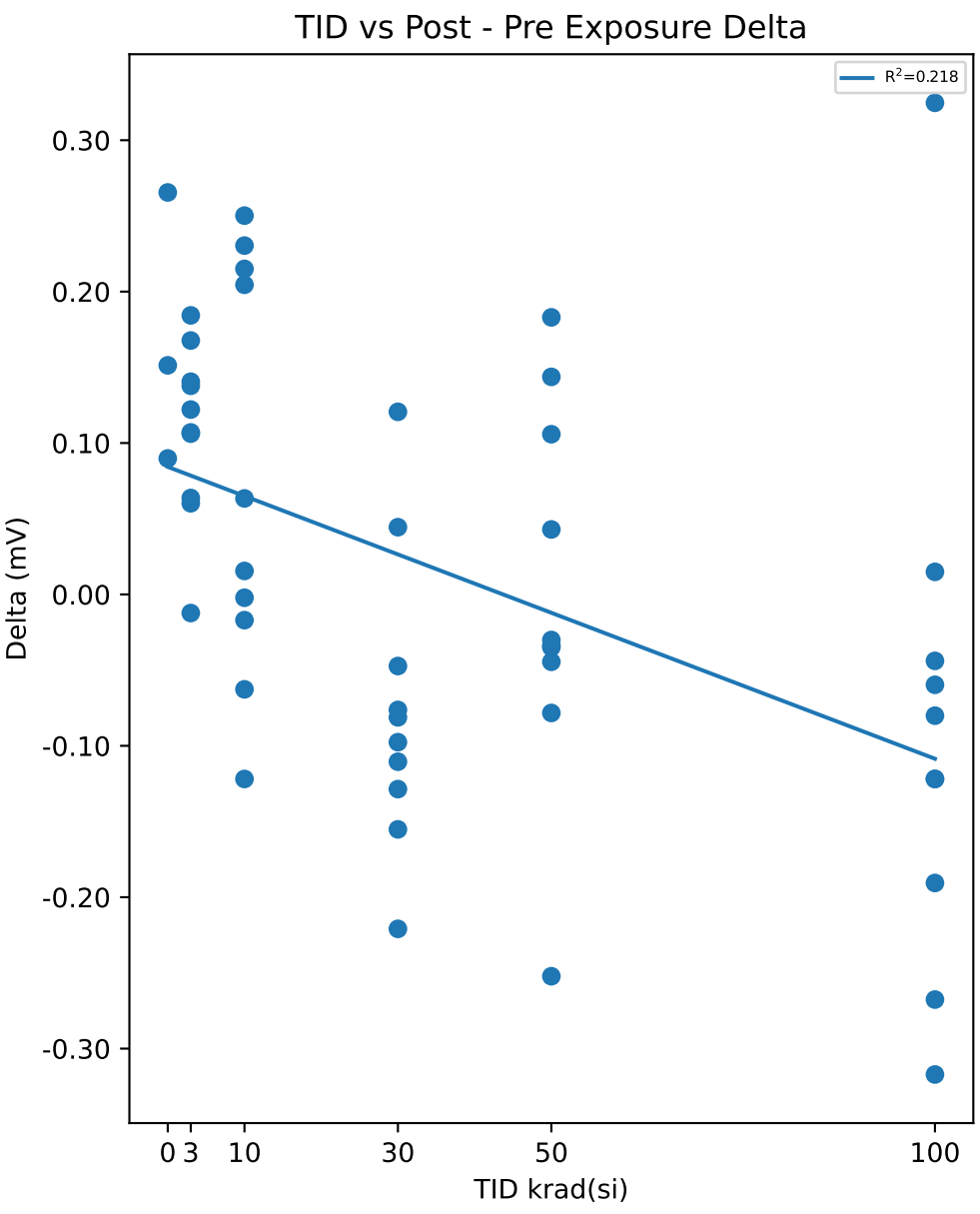
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
390	100	Biased	0.9934	2.2358	1.2424
392	100	Biased	1.0777	2.392	1.3143
393	100	Biased	0.9528	2.7857	1.8329
394	100	Biased	1.0028	1.9921	0.9893
395	100	Biased	1.1245	2.6201	1.4956
412	100	Unbiased	1.1432	2.2295	1.0863
413	100	Unbiased	1.0839	2.5357	1.4518
414	100	Unbiased	0.853	3.2388	2.3858
415	100	Unbiased	0.931	2.5076	1.5766
416	100	Unbiased	1.1245	2.6076	1.4831
417	50	Biased	1.0652	1.164	0.0988
418	50	Biased	1.1838	1.4484	0.2646
419	50	Biased	1.0402	1.139	0.0988
421	50	Biased	0.9903	1.3265	0.3362
422	50	Biased	0.956	1.4859	0.5299
423	50	Unbiased	0.9903	1.2297	0.2394
424	50	Unbiased	1.0652	1.3109	0.2457
425	50	Unbiased	0.9216	1.4515	0.5299
426	50	Unbiased	0.8654	1.1359	0.2705
427	50	Unbiased	1.059	1.2359	0.1769
463	0	Corr	1.0933	0.9641	-0.1292
464	0	Corr	0.9123	0.8047	-0.1076
465	0	Corr	1.1339	0.8078	-0.3261
466	30	Biased	1.0402	1.0297	-0.0105
469	30	Biased	1.0746	1.2515	0.1769
470	30	Biased	1.2213	1.1672	-0.0541
472	30	Biased	0.9872	1.1109	0.1237
474	30	Biased	1.0184	0.9922	-0.0262
475	30	Unbiased	1.0496	1.089	0.0394
477	30	Unbiased	1.4522	1.3421	-0.1101
478	30	Unbiased	1.1557	1.0859	-0.0698
479	30	Unbiased	1.1245	0.9859	-0.1386
480	30	Unbiased	1.0309	1.239	0.2081
481	10	Biased	2.6383	2.6795	0.0412
482	10	Biased	0.9684	1.1297	0.1613
483	10	Biased	0.9965	0.8422	-0.1543
484	10	Biased	1.1838	0.9984	-0.1854
485	10	Biased	1.0184	0.9891	-0.0293
487	10	Unbiased	0.8998	0.7516	-0.1482
488	10	Unbiased	1.1807	0.9516	-0.2291
489	10	Unbiased	1.0153	0.8828	-0.1325
490	10	Unbiased	1.1089	0.8453	-0.2636
491	10	Unbiased	1.3773	1.339	-0.0383
492	3	Biased	1.112	0.9703	-0.1417
493	3	Biased	0.8342	0.7703	-0.0639
494	3	Biased	1.2025	0.9078	-0.2947
495	3	Biased	0.8342	0.7203	-0.1139
496	3	Biased	0.9372	0.8141	-0.1231
497	3	Unbiased	1.0933	0.9766	-0.1167
498	3	Unbiased	1.1557	1.0703	-0.0854
499	3	Unbiased	1.009	0.9484	-0.0606
500	3	Unbiased	0.9716	0.8547	-0.1169
502	3	Unbiased	0.9341	0.8266	-0.1075

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	0.9123	1.0465	1.1339	0.11798	0.8047	0.85887	0.9641	0.091148	-0.3261	-0.18763	-0.1076	0.1204
3	0.8342	1.0084	1.2025	0.12908	0.7203	0.88594	1.0703	0.10759	-0.2947	-0.12244	-0.0606	0.065851
10	0.8998	1.2387	2.6383	0.51059	0.7516	1.1409	2.6795	0.56575	-0.2636	-0.09782	0.1613	0.13082
30	0.9872	1.1155	1.4522	0.13784	0.9859	1.1293	1.3421	0.1187	-0.1386	0.01388	0.2081	0.11993
50	0.8654	1.0137	1.1838	0.089376	1.1359	1.2928	1.4859	0.13343	0.0988	0.27907	0.5299	0.15184
100	0.853	1.0287	1.1432	0.097187	1.9921	2.5145	3.2388	0.34404	0.9893	1.4858	2.3858	0.39927

Device Test: 23.7 PWRGD_OUTPUT_LOW(VOL|2mA/PWRGD/4.5////@PWRGD_OUTPUT_LOW)





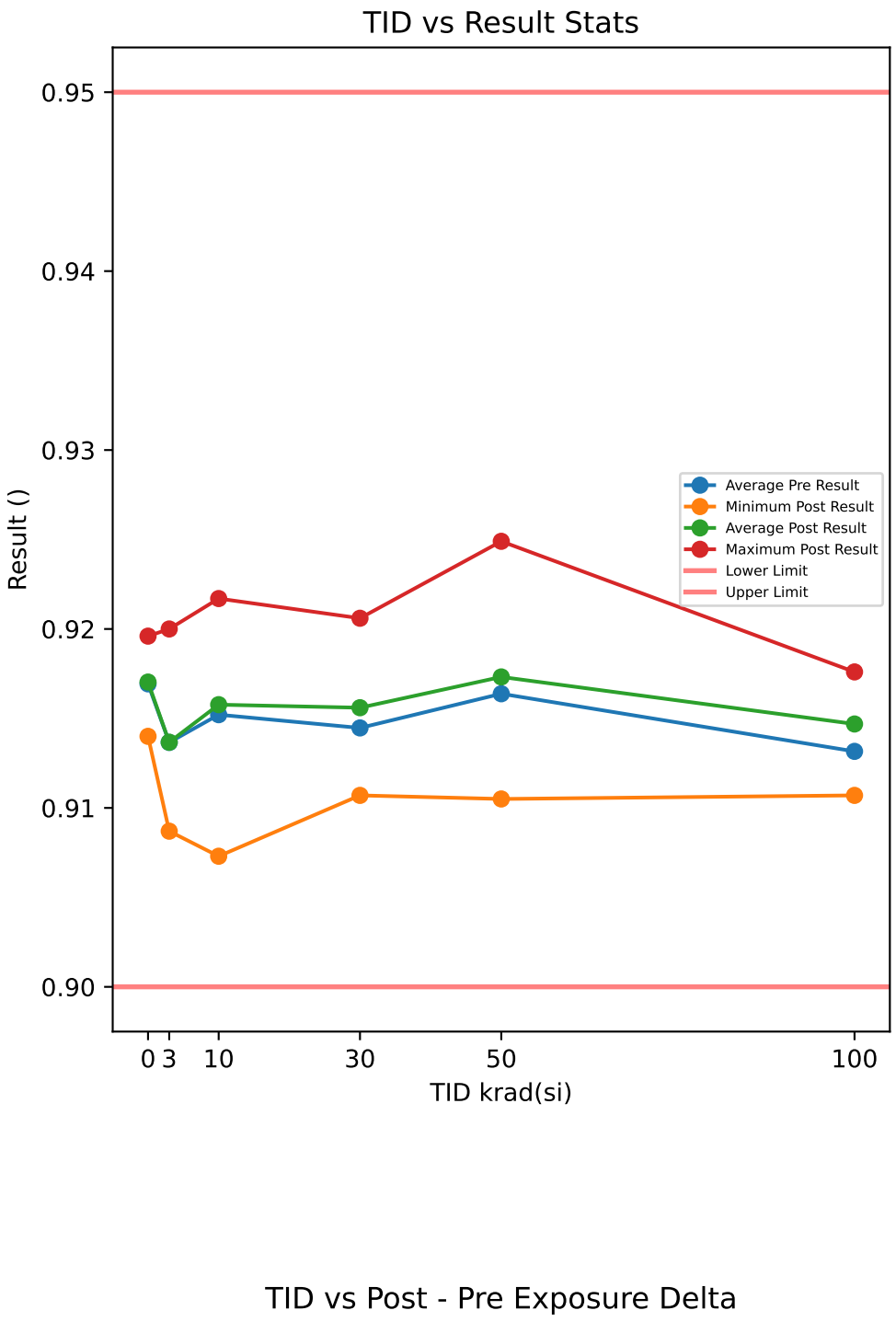
Test Results (Upper Limit = 300.0 (mV))

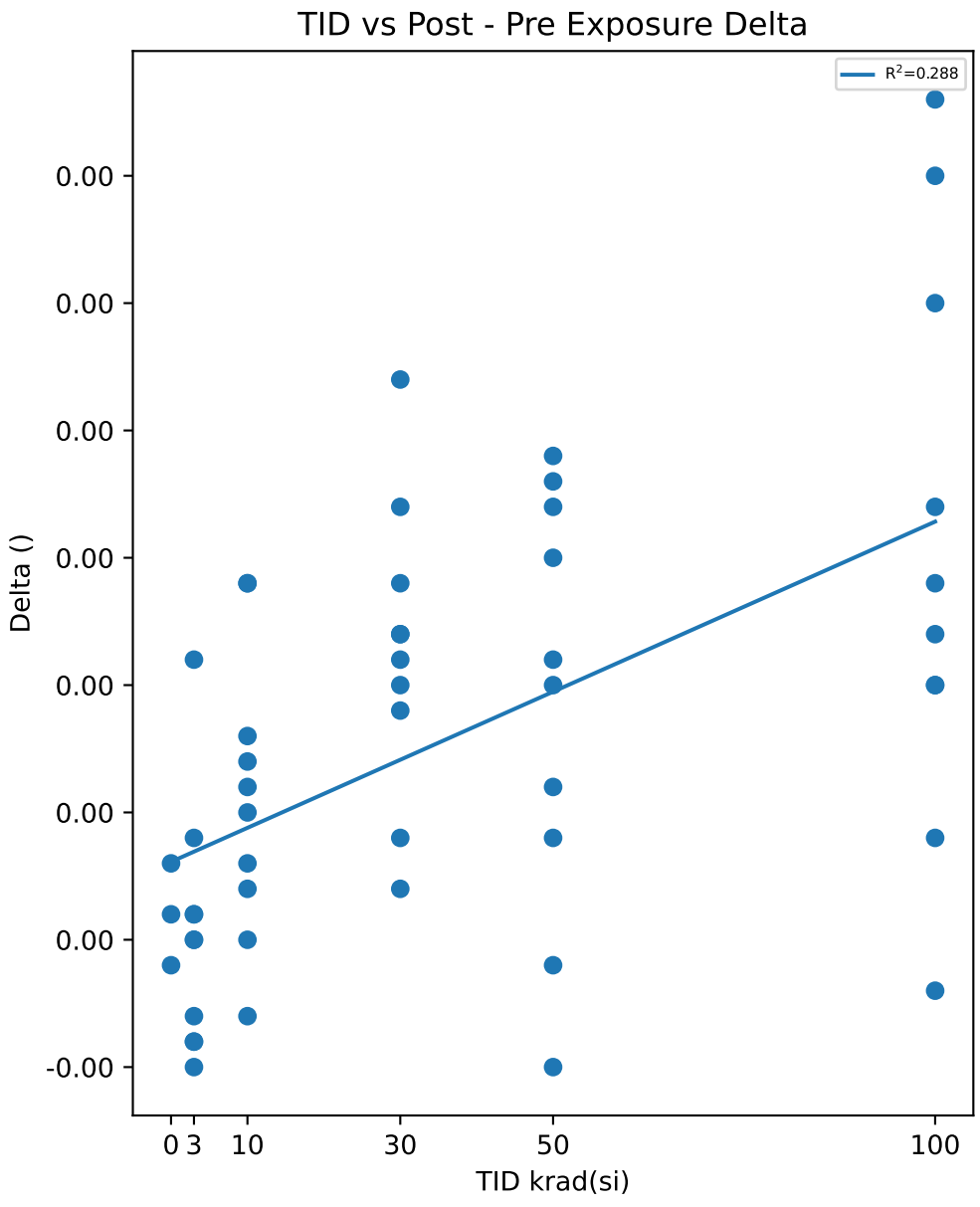
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
390	100	Biased	244.64	244.56	-0.0801
392	100	Biased	243.63	243.43	-0.1906
393	100	Biased	244.66	244.39	-0.2676
394	100	Biased	242.44	242.12	-0.3171
395	100	Biased	245.61	245.62	0.0149
412	100	Unbiased	248.59	248.53	-0.0597
413	100	Unbiased	248.93	248.81	-0.1219
414	100	Unbiased	243.34	243.67	0.3247
415	100	Unbiased	248.81	248.76	-0.0439
416	100	Unbiased	248.89	248.76	-0.1219
417	50	Biased	242.94	242.98	0.0429
418	50	Biased	243.24	243.34	0.1058
419	50	Biased	244.48	244.23	-0.2522
421	50	Biased	248.26	248.22	-0.0445
422	50	Biased	243.16	243.12	-0.0349
423	50	Unbiased	246.17	246.09	-0.0783
424	50	Unbiased	248.84	248.98	0.1437
425	50	Unbiased	244.06	244.03	-0.0338
426	50	Unbiased	242.44	242.62	0.183
427	50	Unbiased	247.25	247.22	-0.0301
463	0	Corr	246.06	246.33	0.2655
464	0	Corr	242.94	243.03	0.0898
465	0	Corr	242.1	242.25	0.1513
466	30	Biased	244.48	244.26	-0.2209
469	30	Biased	247.17	247.01	-0.1552
470	30	Biased	247.81	247.73	-0.0763
472	30	Biased	243.7	243.62	-0.0812
474	30	Biased	243.25	243.12	-0.1286
475	30	Unbiased	244.17	244.22	0.0444
477	30	Unbiased	242.5	242.62	0.1206
478	30	Unbiased	243.02	242.92	-0.0976
479	30	Unbiased	245.98	245.94	-0.0473
480	30	Unbiased	245.3	245.19	-0.1105
481	10	Biased	242.88	243.11	0.2304
482	10	Biased	244.42	244.42	-0.0022
483	10	Biased	248.89	248.76	-0.1219
484	10	Biased	246.08	246.01	-0.0627
485	10	Biased	246.44	246.69	0.2502
487	10	Unbiased	243.08	243.29	0.215
488	10	Unbiased	247	247.06	0.0634
489	10	Unbiased	245.09	245.08	-0.017
490	10	Unbiased	246.15	246.17	0.0155
491	10	Unbiased	247.39	247.59	0.2045
492	3	Biased	243.8	243.94	0.1378
493	3	Biased	249.01	249	-0.0123
494	3	Biased	246.15	246.29	0.1405
495	3	Biased	243.47	243.65	0.1843
496	3	Biased	244.28	244.39	0.107
497	3	Unbiased	244.25	244.31	0.0602
498	3	Unbiased	243.81	243.94	0.1221
499	3	Unbiased	242.7	242.87	0.1677
500	3	Unbiased	243.56	243.67	0.1062
502	3	Unbiased	247.2	247.26	0.0637

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	242.1	243.7	246.06	2.0888	242.25	243.87	246.33	2.165	0.0898	0.16887	0.2655	0.089158
3	242.7	244.82	249.01	1.9879	242.87	244.93	249	1.9429	-0.0123	0.10772	0.1843	0.057977
10	242.88	245.74	248.89	1.8973	243.11	245.82	248.76	1.8413	-0.1219	0.07752	0.2502	0.13621
30	242.5	244.74	247.81	1.7898	242.62	244.66	247.73	1.7595	-0.2209	-0.07526	0.1206	0.097573
50	242.44	245.08	248.84	2.3615	242.62	245.08	248.98	2.3521	-0.2522	0.00016	0.183	0.12568
100	242.44	245.95	248.93	2.5966	242.12	245.87	248.81	2.6092	-0.3171	-0.08632	0.3247	0.17678

Device Test: 23.9 VSENSE_VTH_FALLING_FAULT(HRESHOLD|FALL/PWRGD/5////@VSENSE_VTH_FALLING_FAULT)





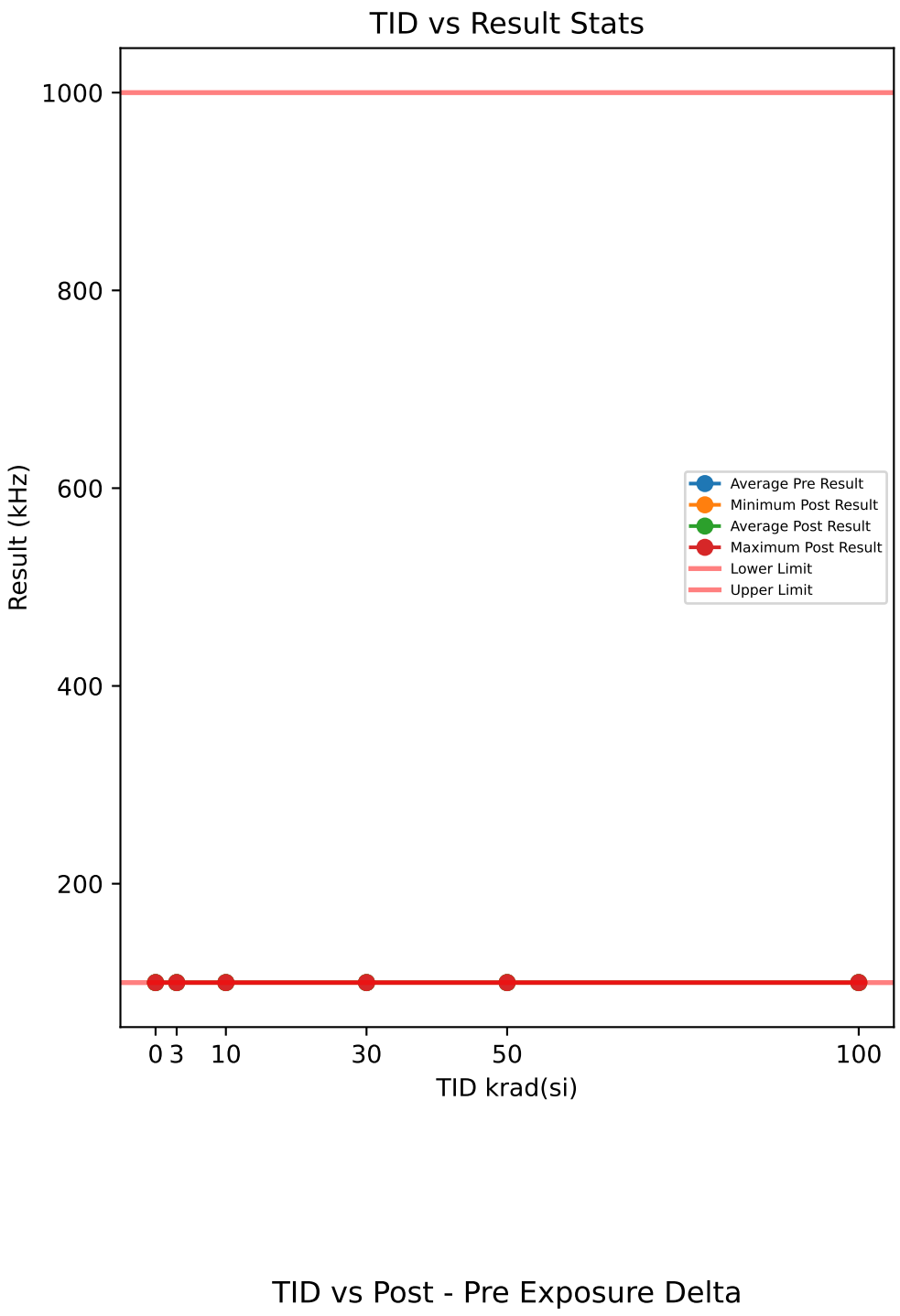
Test Results (Lower Limit = 0.9, Upper Limit = 0.95 ())

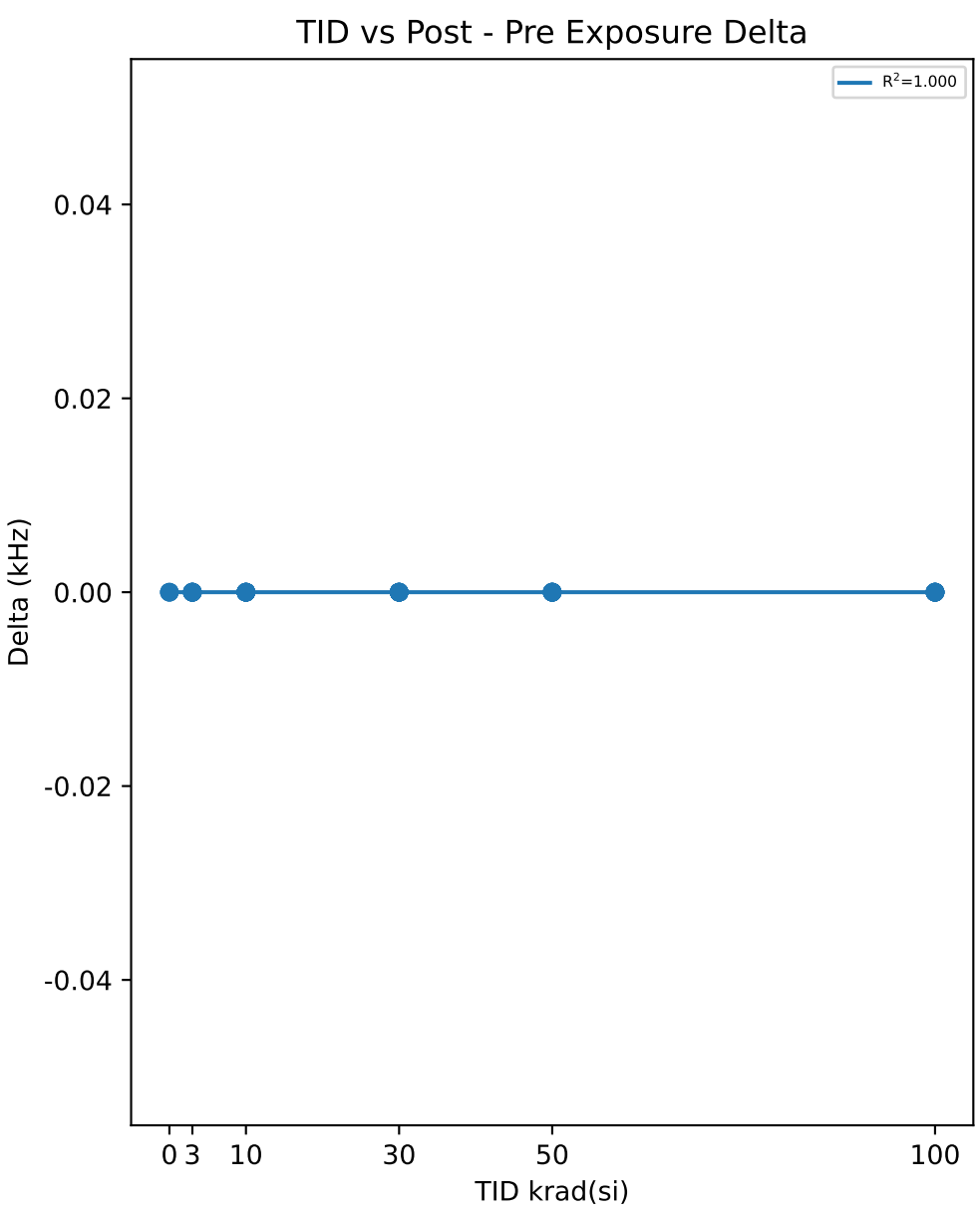
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
390	100	Biased	0.909	0.9107	0.0017
392	100	Biased	0.9122	0.9132	0.001
393	100	Biased	0.909	0.9123	0.0033
394	100	Biased	0.9162	0.916	-0.0002
395	100	Biased	0.9142	0.9154	0.0012
412	100	Unbiased	0.9158	0.9168	0.001
413	100	Unbiased	0.9143	0.9147	0.0004
414	100	Unbiased	0.9131	0.9161	0.003
415	100	Unbiased	0.9116	0.9141	0.0025
416	100	Unbiased	0.9162	0.9176	0.0014
417	50	Biased	0.9229	0.924	0.0011
418	50	Biased	0.9167	0.9173	0.0006
419	50	Biased	0.9218	0.9235	0.0017
421	50	Biased	0.923	0.9249	0.0019
422	50	Biased	0.9119	0.9123	0.0004
423	50	Unbiased	0.9136	0.9151	0.0015
424	50	Unbiased	0.9207	0.9206	-0.0001
425	50	Unbiased	0.9122	0.9132	0.001
426	50	Unbiased	0.9123	0.9118	-0.0005
427	50	Unbiased	0.9087	0.9105	0.0018
463	0	Corr	0.9174	0.9175	0.0001
464	0	Corr	0.9137	0.914	0.0003
465	0	Corr	0.9197	0.9196	-0.0001
466	30	Biased	0.9152	0.9163	0.0011
469	30	Biased	0.9093	0.9107	0.0014
470	30	Biased	0.9119	0.9123	0.0004
472	30	Biased	0.9191	0.9203	0.0012
474	30	Biased	0.9167	0.9176	0.0009
475	30	Unbiased	0.9194	0.9206	0.0012
477	30	Unbiased	0.9168	0.9178	0.001
478	30	Unbiased	0.9139	0.9141	0.0002
479	30	Unbiased	0.9115	0.9132	0.0017
480	30	Unbiased	0.9109	0.9131	0.0022
481	10	Biased	0.9191	0.9191	0
482	10	Biased	0.9121	0.9128	0.0007
483	10	Biased	0.9209	0.9217	0.0008
484	10	Biased	0.9184	0.9186	0.0002
485	10	Biased	0.9148	0.9154	0.0006
487	10	Unbiased	0.9117	0.9131	0.0014
488	10	Unbiased	0.9068	0.9073	0.0005
489	10	Unbiased	0.913	0.9133	0.0003
490	10	Unbiased	0.9202	0.9199	-0.0003
491	10	Unbiased	0.9151	0.9165	0.0014
492	3	Biased	0.9153	0.9148	-0.0005
493	3	Biased	0.909	0.9087	-0.0003
494	3	Biased	0.9189	0.92	0.0011
495	3	Biased	0.9127	0.9123	-0.0004
496	3	Biased	0.9106	0.9106	0
497	3	Unbiased	0.9185	0.9181	-0.0004
498	3	Unbiased	0.9134	0.9134	0
499	3	Unbiased	0.9157	0.9158	0.0001
500	3	Unbiased	0.9101	0.9102	0.0001
502	3	Unbiased	0.9124	0.9128	0.0004

Test Statistics ()

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	0.9137	0.91693	0.9197	0.0030271	0.914	0.91703	0.9196	0.002829	-0.0001	0.0001	0.0003	0.0002
3	0.909	0.91366	0.9189	0.0034004	0.9087	0.91367	0.92	0.003565	-0.0005	1e-05	0.0011	0.00047714
10	0.9068	0.91521	0.9209	0.0044767	0.9073	0.91577	0.9217	0.0042919	-0.0003	0.00056	0.0014	0.00055217
30	0.9093	0.91447	0.9194	0.0035261	0.9107	0.9156	0.9206	0.0034251	0.0002	0.00113	0.0022	0.00057937
50	0.9087	0.91638	0.923	0.0053268	0.9105	0.91732	0.9249	0.0055289	-0.0005	0.00094	0.0019	0.00082624
100	0.909	0.91316	0.9162	0.002704	0.9107	0.91469	0.9176	0.0021429	-0.0002	0.00153	0.0033	0.0011166

Device Test: 24.1 SYNC_FREQ_RANGE(FREQ|100kHz/SYNC1/4.5//OPEN//@SYNC_FREQ_RANGE)





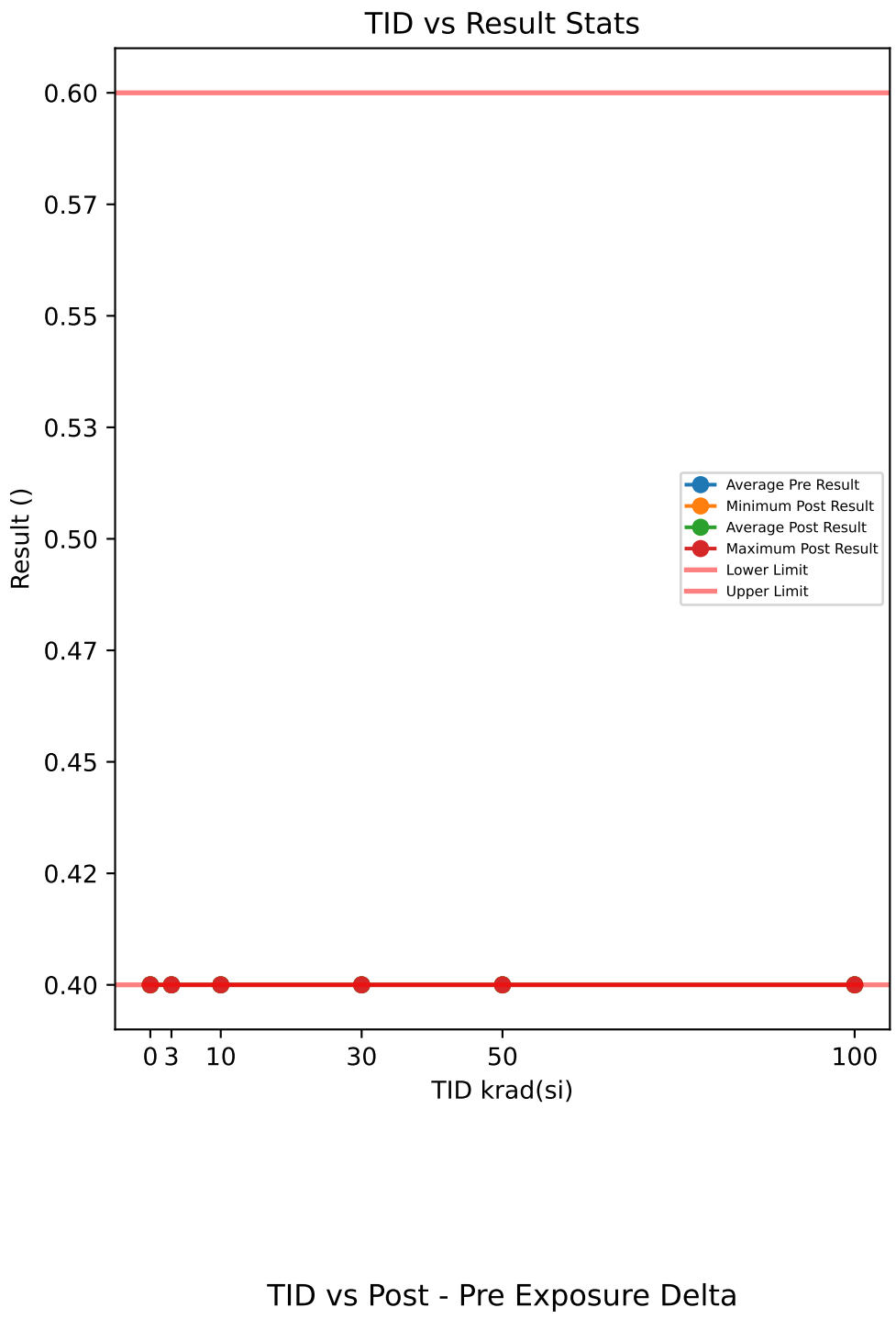
Test Results (Lower Limit = 100.0, Upper Limit = 1000.0 (kHz))

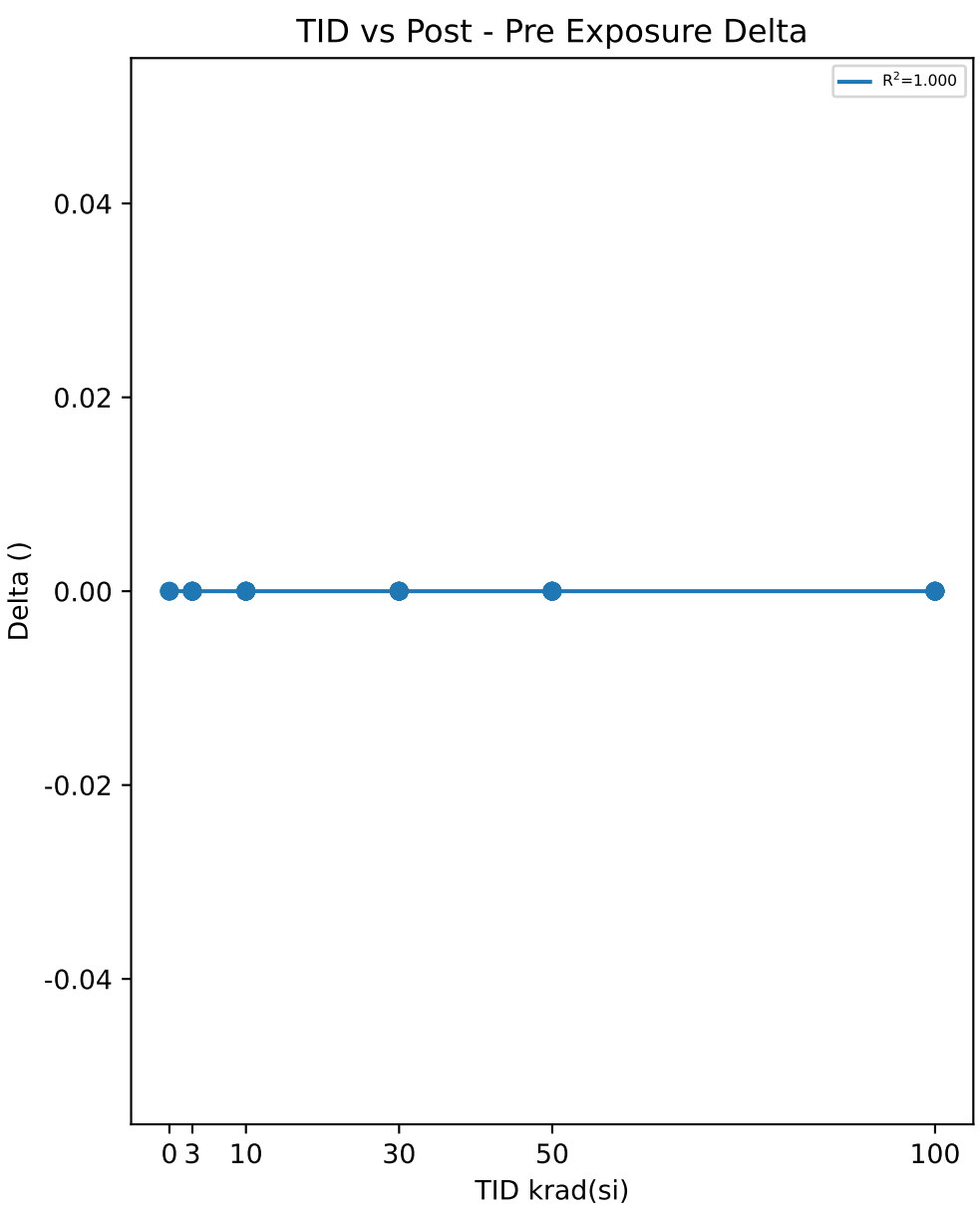
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
390	100	Biased	100	100	0
392	100	Biased	100	100	0
393	100	Biased	100	100	0
394	100	Biased	100	100	0
395	100	Biased	100	100	0
412	100	Unbiased	100	100	0
413	100	Unbiased	100	100	0
414	100	Unbiased	100	100	0
415	100	Unbiased	100	100	0
416	100	Unbiased	100	100	0
417	50	Biased	100	100	0
418	50	Biased	100	100	0
419	50	Biased	100	100	0
421	50	Biased	100	100	0
422	50	Biased	100	100	0
423	50	Unbiased	100	100	0
424	50	Unbiased	100	100	0
425	50	Unbiased	100	100	0
426	50	Unbiased	100	100	0
427	50	Unbiased	100	100	0
463	0	Corr	100	100	0
464	0	Corr	100	100	0
465	0	Corr	100	100	0
466	30	Biased	100	100	0
469	30	Biased	100	100	0
470	30	Biased	100	100	0
472	30	Biased	100	100	0
474	30	Biased	100	100	0
475	30	Unbiased	100	100	0
477	30	Unbiased	100	100	0
478	30	Unbiased	100	100	0
479	30	Unbiased	100	100	0
480	30	Unbiased	100	100	0
481	10	Biased	100	100	0
482	10	Biased	100	100	0
483	10	Biased	100	100	0
484	10	Biased	100	100	0
485	10	Biased	100	100	0
487	10	Unbiased	100	100	0
488	10	Unbiased	100	100	0
489	10	Unbiased	100	100	0
490	10	Unbiased	100	100	0
491	10	Unbiased	100	100	0
492	3	Biased	100	100	0
493	3	Biased	100	100	0
494	3	Biased	100	100	0
495	3	Biased	100	100	0
496	3	Biased	100	100	0
497	3	Unbiased	100	100	0
498	3	Unbiased	100	100	0
499	3	Unbiased	100	100	0
500	3	Unbiased	100	100	0
502	3	Unbiased	100	100	0

Test Statistics (kHz)

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

ce Test: 24.10 SYNC_IN_DUTY_CYCLE_RANGE(UTYCYCLE|GNG_40%/SYNC1/4.5//OPEN//@SYNC_IN_DUTY_CYCLE_RAI





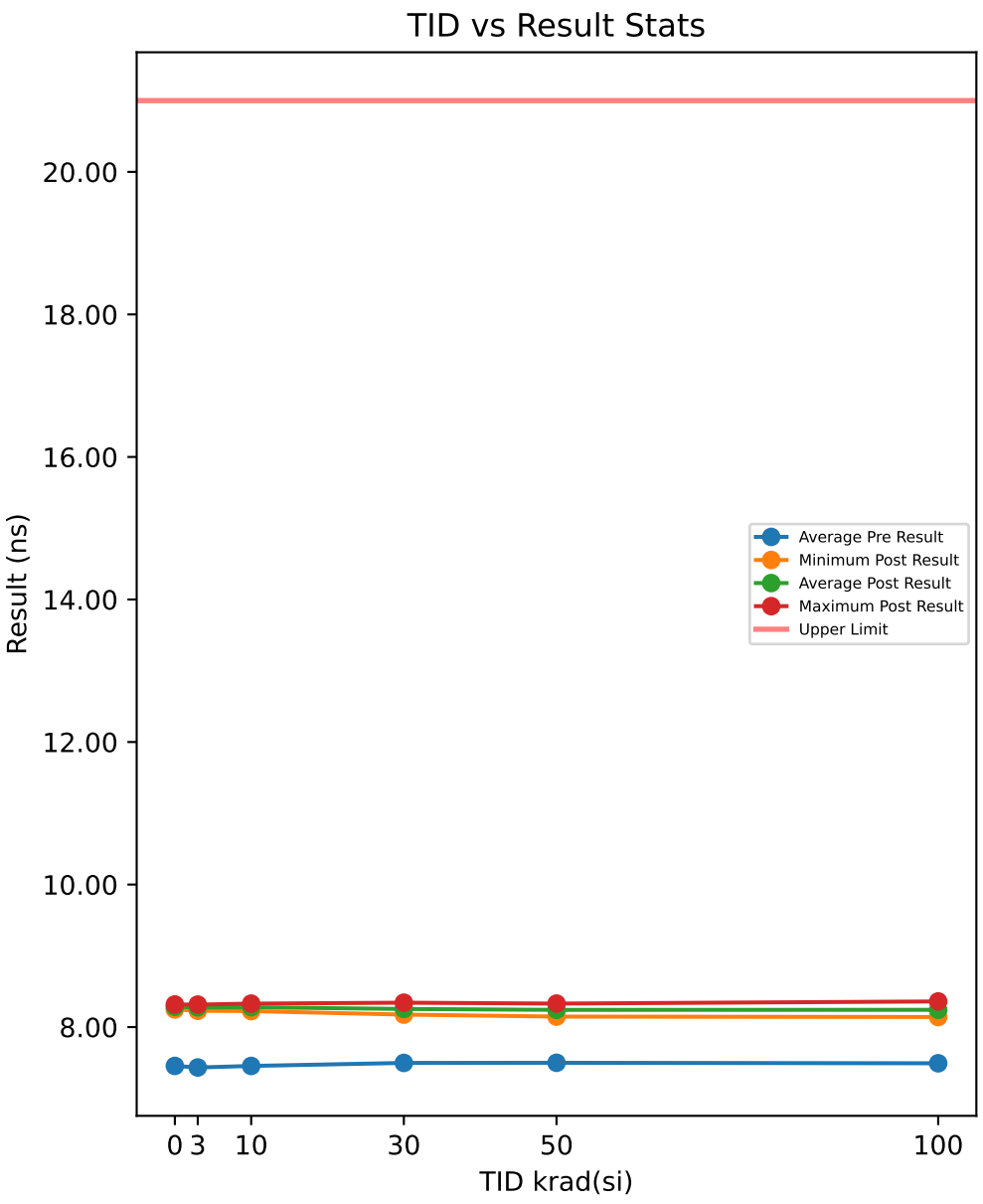
Test Results (Lower Limit = 0.4, Upper Limit = 0.6 ())

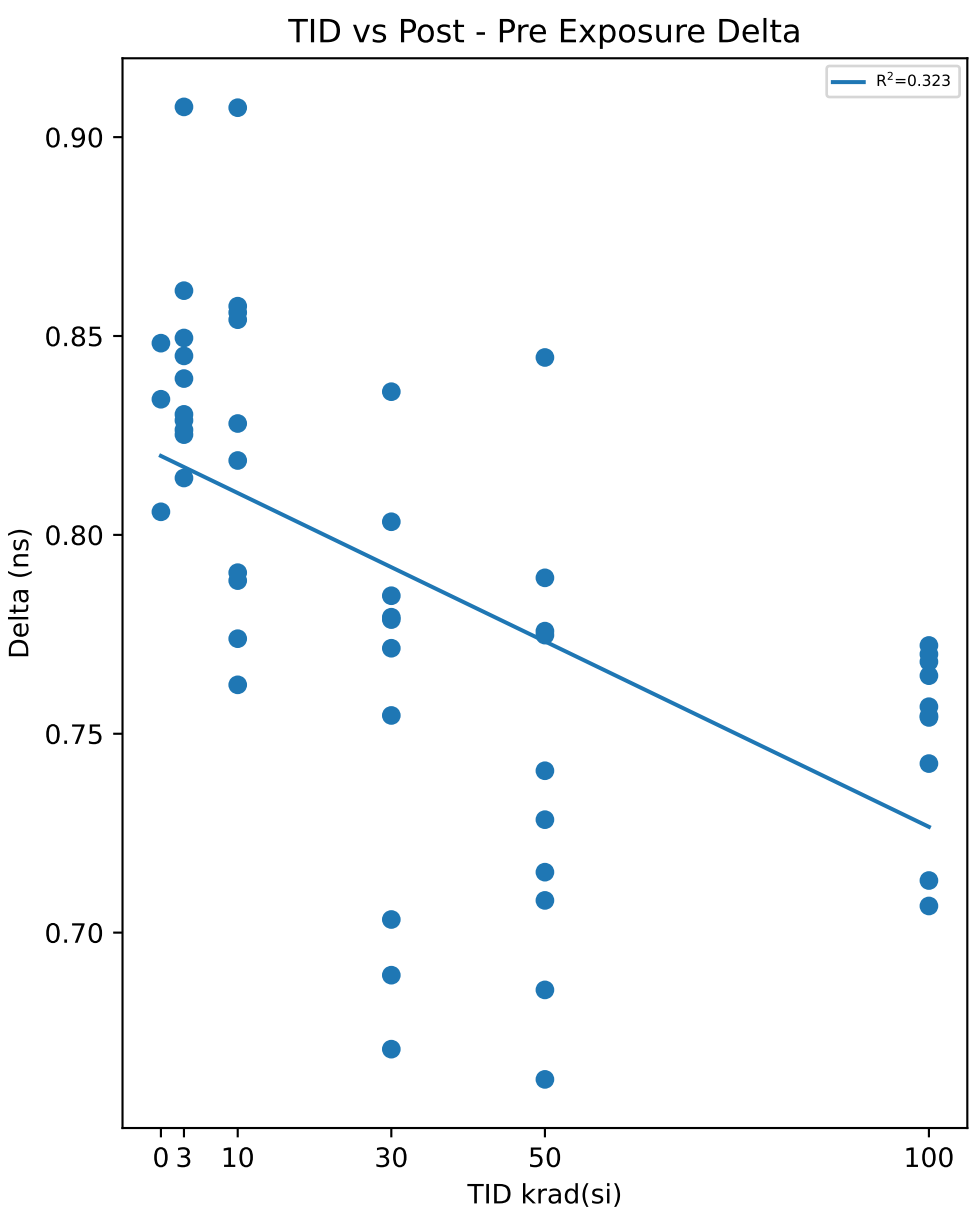
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
390	100	Biased	0.4	0.4	0
392	100	Biased	0.4	0.4	0
393	100	Biased	0.4	0.4	0
394	100	Biased	0.4	0.4	0
395	100	Biased	0.4	0.4	0
412	100	Unbiased	0.4	0.4	0
413	100	Unbiased	0.4	0.4	0
414	100	Unbiased	0.4	0.4	0
415	100	Unbiased	0.4	0.4	0
416	100	Unbiased	0.4	0.4	0
417	50	Biased	0.4	0.4	0
418	50	Biased	0.4	0.4	0
419	50	Biased	0.4	0.4	0
421	50	Biased	0.4	0.4	0
422	50	Biased	0.4	0.4	0
423	50	Unbiased	0.4	0.4	0
424	50	Unbiased	0.4	0.4	0
425	50	Unbiased	0.4	0.4	0
426	50	Unbiased	0.4	0.4	0
427	50	Unbiased	0.4	0.4	0
463	0	Corr	0.4	0.4	0
464	0	Corr	0.4	0.4	0
465	0	Corr	0.4	0.4	0
466	30	Biased	0.4	0.4	0
469	30	Biased	0.4	0.4	0
470	30	Biased	0.4	0.4	0
472	30	Biased	0.4	0.4	0
474	30	Biased	0.4	0.4	0
475	30	Unbiased	0.4	0.4	0
477	30	Unbiased	0.4	0.4	0
478	30	Unbiased	0.4	0.4	0
479	30	Unbiased	0.4	0.4	0
480	30	Unbiased	0.4	0.4	0
481	10	Biased	0.4	0.4	0
482	10	Biased	0.4	0.4	0
483	10	Biased	0.4	0.4	0
484	10	Biased	0.4	0.4	0
485	10	Biased	0.4	0.4	0
487	10	Unbiased	0.4	0.4	0
488	10	Unbiased	0.4	0.4	0
489	10	Unbiased	0.4	0.4	0
490	10	Unbiased	0.4	0.4	0
491	10	Unbiased	0.4	0.4	0
492	3	Biased	0.4	0.4	0
493	3	Biased	0.4	0.4	0
494	3	Biased	0.4	0.4	0
495	3	Biased	0.4	0.4	0
496	3	Biased	0.4	0.4	0
497	3	Unbiased	0.4	0.4	0
498	3	Unbiased	0.4	0.4	0
499	3	Unbiased	0.4	0.4	0
500	3	Unbiased	0.4	0.4	0
502	3	Unbiased	0.4	0.4	0

Test Statistics ()

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	0.4	0.4	0.4	0	0.4	0.4	0.4	0	0	0	0	0
3	0.4	0.4	0.4	0	0.4	0.4	0.4	0	0	0	0	0
10	0.4	0.4	0.4	0	0.4	0.4	0.4	0	0	0	0	0
30	0.4	0.4	0.4	0	0.4	0.4	0.4	0	0	0	0	0
50	0.4	0.4	0.4	0	0.4	0.4	0.4	0	0	0	0	0
100	0.4	0.4	0.4	0	0.4	0.4	0.4	0	0	0	0	0

Device Test: 24.100 SYNC_HL_FALL_TIME(TIMING|FALL/SYNC1/12//511k//@SYNC_HL_FALL_TIME)





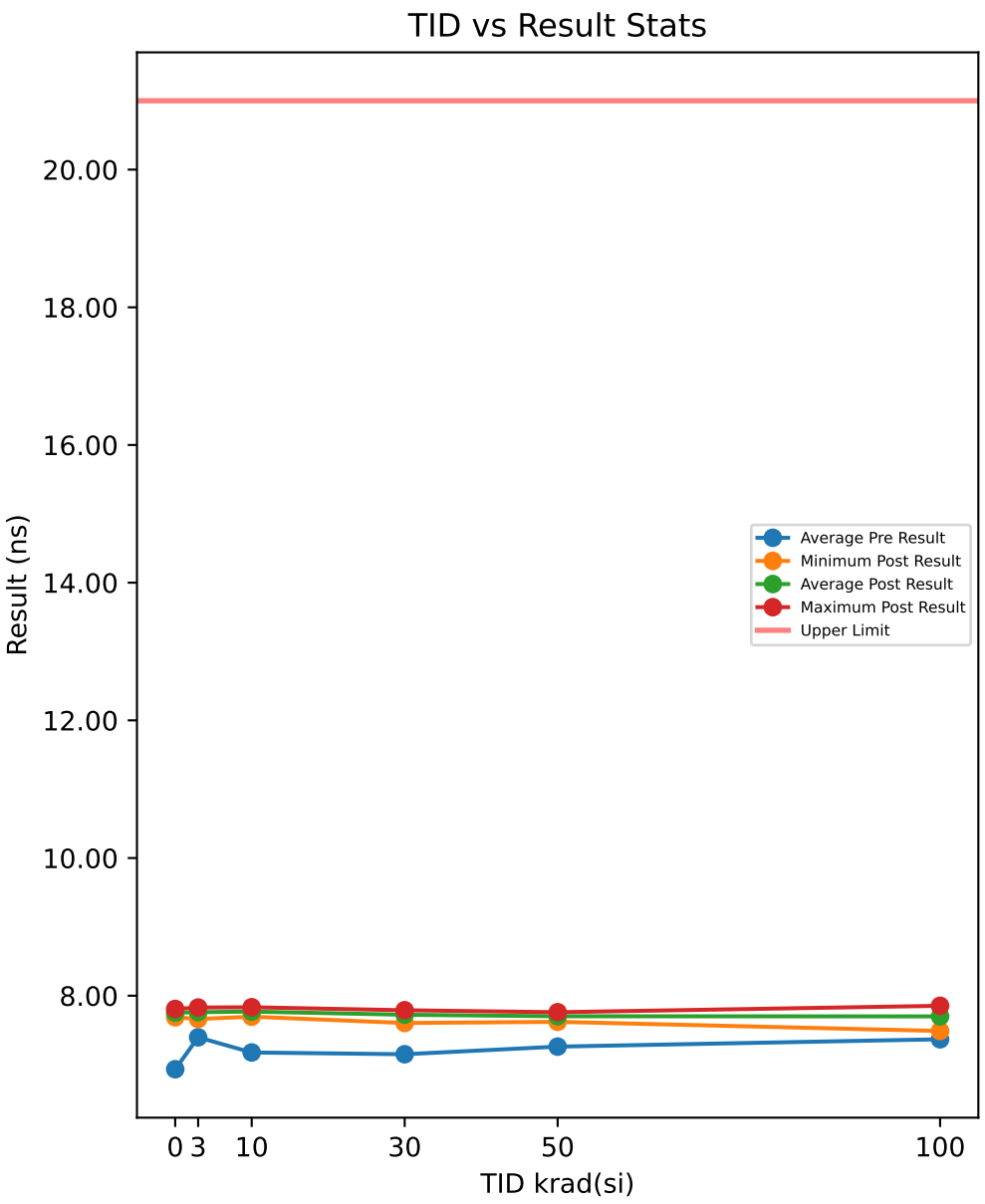
Test Results (Upper Limit = 21.0 (ns))

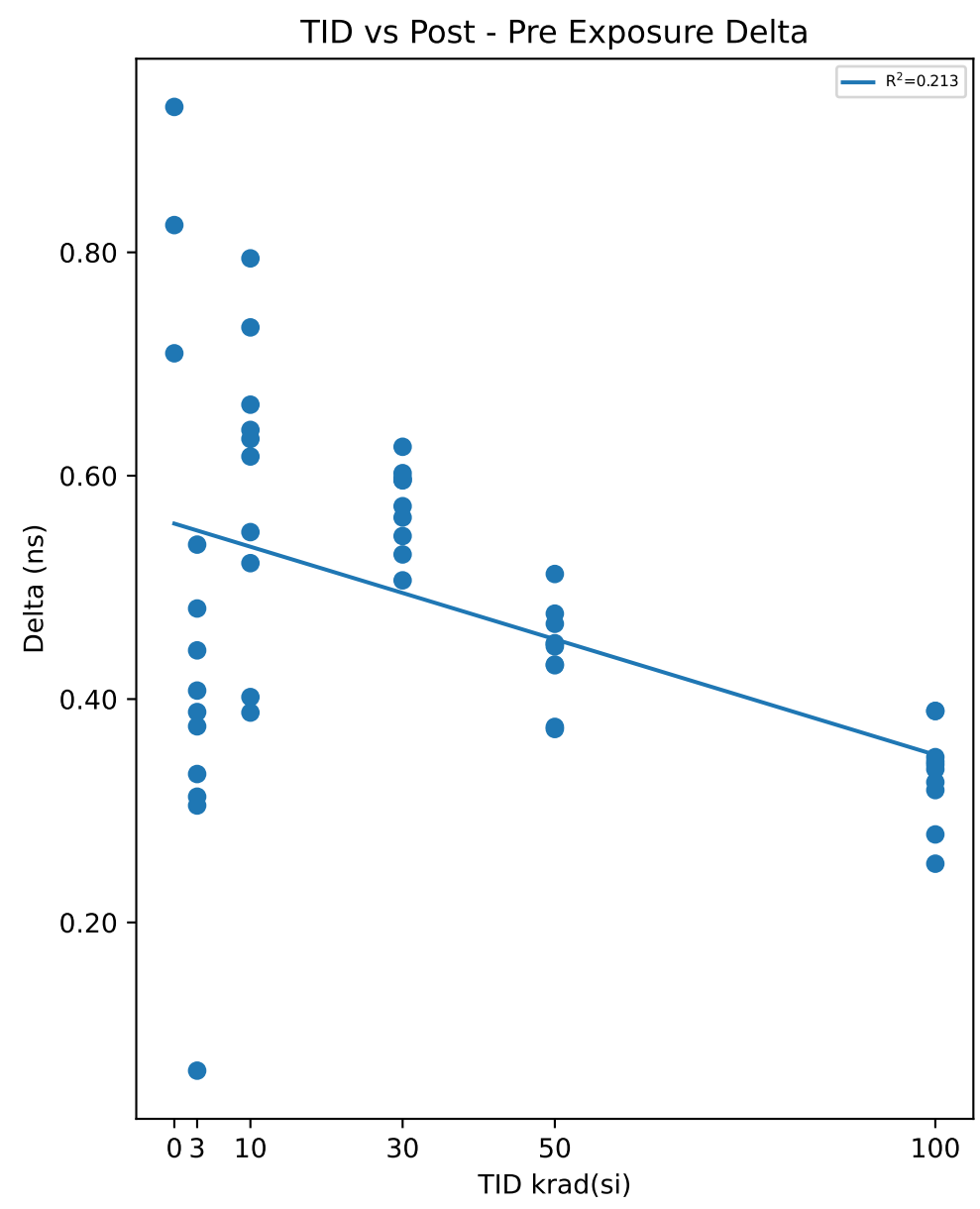
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
390	100	Biased	7.5162	8.2884	0.7722
392	100	Biased	7.603	8.3598	0.7568
393	100	Biased	7.5348	8.2415	0.7067
394	100	Biased	7.4967	8.2392	0.7425
395	100	Biased	7.4662	8.2343	0.7681
412	100	Unbiased	7.387	8.1411	0.7541
413	100	Unbiased	7.4979	8.2625	0.7646
414	100	Unbiased	7.4665	8.2365	0.77
415	100	Unbiased	7.4544	8.1675	0.7131
416	100	Unbiased	7.4961	8.2506	0.7545
417	50	Biased	7.515	8.2231	0.7081
418	50	Biased	7.464	8.3086	0.8446
419	50	Biased	7.5019	8.2777	0.7758
421	50	Biased	7.5405	8.3297	0.7892
422	50	Biased	7.4858	8.2606	0.7748
423	50	Unbiased	7.5225	8.2509	0.7284
424	50	Unbiased	7.5261	8.2668	0.7407
425	50	Unbiased	7.4935	8.1566	0.6631
426	50	Unbiased	7.4616	8.1472	0.6856
427	50	Unbiased	7.4768	8.192	0.7152
463	0	Corr	7.4418	8.2476	0.8058
464	0	Corr	7.4689	8.3171	0.8482
465	0	Corr	7.4543	8.2884	0.8341
466	30	Biased	7.4824	8.2671	0.7847
469	30	Biased	7.4376	8.2169	0.7793
470	30	Biased	7.4569	8.2929	0.836
472	30	Biased	7.485	8.2396	0.7546
474	30	Biased	7.5389	8.3422	0.8033
475	30	Unbiased	7.454	8.2327	0.7787
477	30	Unbiased	7.5046	8.1753	0.6707
478	30	Unbiased	7.5095	8.1988	0.6893
479	30	Unbiased	7.539	8.3105	0.7715
480	30	Unbiased	7.562	8.2653	0.7033
481	10	Biased	7.4391	8.2671	0.828
482	10	Biased	7.4543	8.2282	0.7739
483	10	Biased	7.489	8.2795	0.7905
484	10	Biased	7.5022	8.2907	0.7885
485	10	Biased	7.4362	8.2549	0.8187
487	10	Unbiased	7.4731	8.329	0.8559
488	10	Unbiased	7.4102	8.3176	0.9074
489	10	Unbiased	7.4132	8.2707	0.8575
490	10	Unbiased	7.466	8.3201	0.8541
491	10	Unbiased	7.4618	8.2241	0.7623
492	3	Biased	7.4647	8.2911	0.8264
493	3	Biased	7.4821	8.2964	0.8143
494	3	Biased	7.4003	8.2291	0.8288
495	3	Biased	7.4456	8.2759	0.8303
496	3	Biased	7.4041	8.2655	0.8614
497	3	Unbiased	7.4077	8.3153	0.9076
498	3	Unbiased	7.3864	8.2359	0.8495
499	3	Unbiased	7.4567	8.3017	0.845
500	3	Unbiased	7.4199	8.2592	0.8393
502	3	Unbiased	7.4623	8.2875	0.8252

Test Statistics (ns)

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	7.4418	7.455	7.4689	0.013564	8.2476	8.2844	8.3171	0.034925	0.8058	0.82937	0.8482	0.021593
3	7.3864	7.433	7.4821	0.033137	8.2291	8.2758	8.3153	0.028247	0.8143	0.84278	0.9076	0.026563
10	7.4102	7.4545	7.5022	0.030253	8.2241	8.2782	8.329	0.036811	0.7623	0.82368	0.9074	0.045636
30	7.4376	7.497	7.562	0.041233	8.1753	8.2541	8.3422	0.051706	0.6707	0.75714	0.836	0.052968
50	7.4616	7.4988	7.5405	0.027068	8.1472	8.2413	8.3297	0.061078	0.6631	0.74255	0.8446	0.054191
100	7.387	7.4919	7.603	0.056339	8.1411	8.2421	8.3598	0.059956	0.7067	0.75026	0.7722	0.023116

Device Test: 24.101 SYNC_HL_FALL_TIME(TIMING|FALL/SYNC2/12//511k//@SYNC_HL_FALL_TIME)





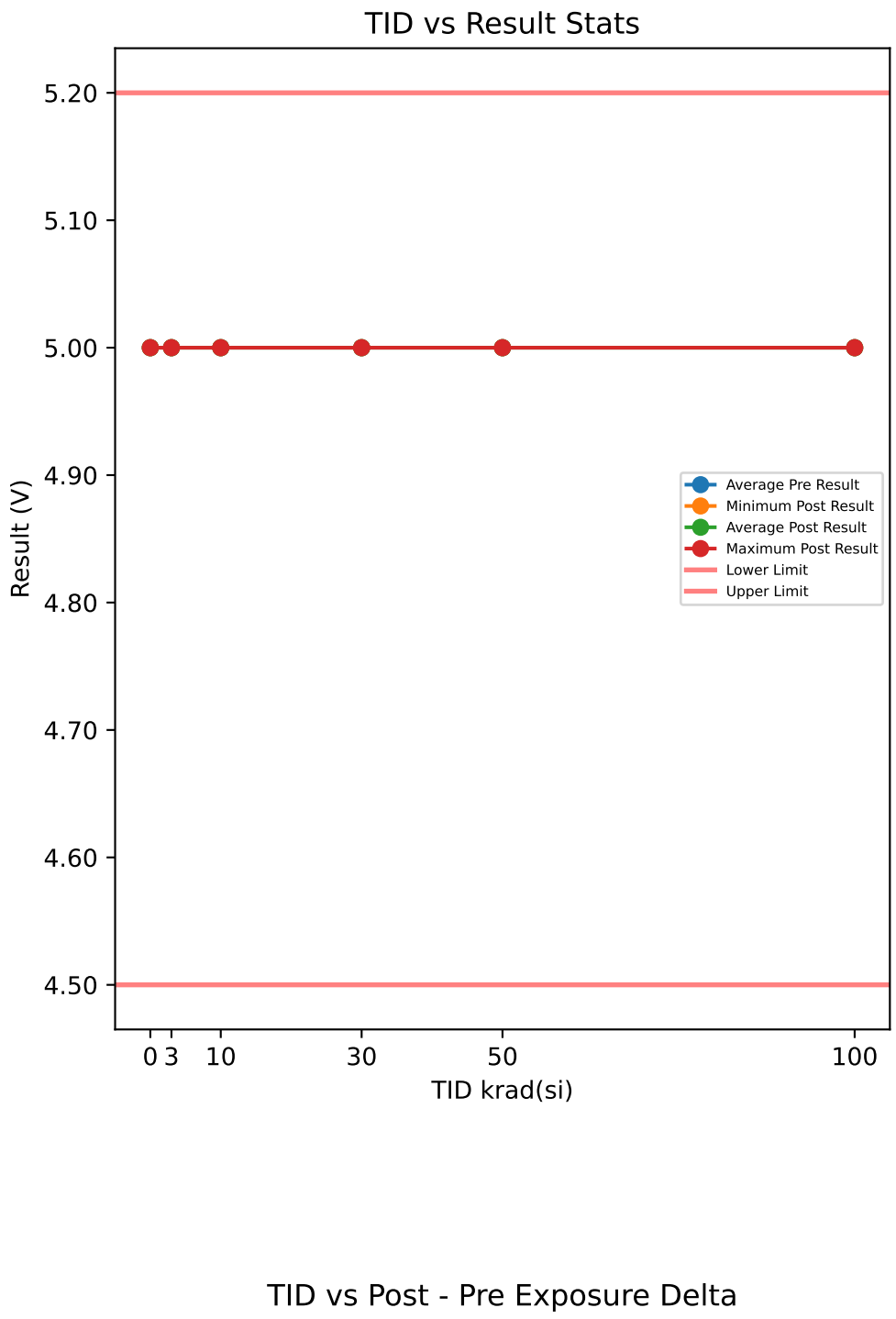
Test Results (Upper Limit = 21.0 (ns))

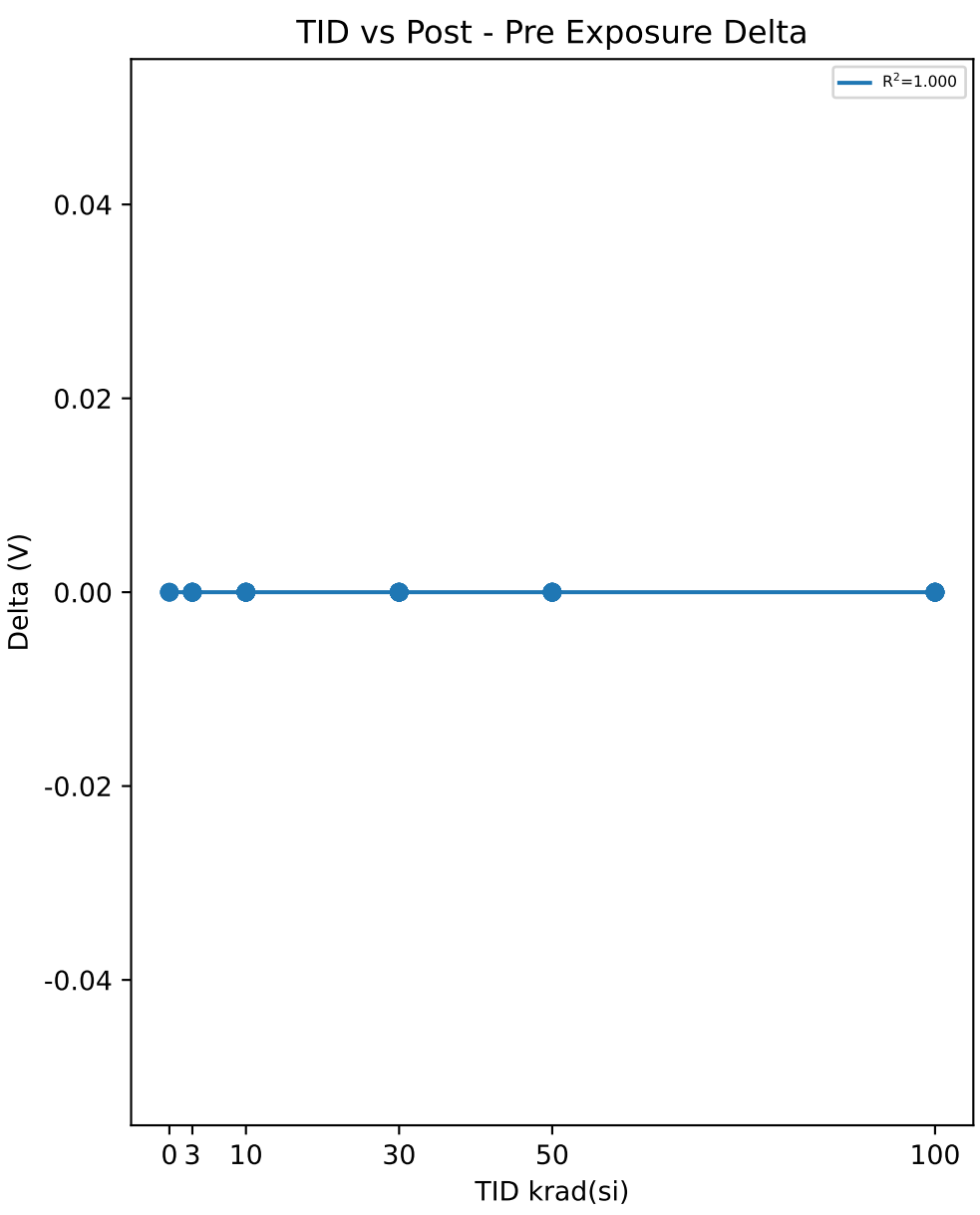
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
390	100	Biased	7.3846	7.7326	0.348
392	100	Biased	7.4643	7.8536	0.3893
393	100	Biased	7.3472	7.6884	0.3412
394	100	Biased	7.3966	7.7407	0.3441
395	100	Biased	7.3409	7.7303	0.3894
412	100	Unbiased	7.2352	7.4878	0.2526
413	100	Unbiased	7.3798	7.6983	0.3185
414	100	Unbiased	7.3666	7.7038	0.3372
415	100	Unbiased	7.363	7.6418	0.2788
416	100	Unbiased	7.3934	7.719	0.3256
417	50	Biased	7.3651	7.7402	0.3751
418	50	Biased	7.3035	7.6767	0.3732
419	50	Biased	7.2472	7.6944	0.4472
421	50	Biased	7.2927	7.7601	0.4674
422	50	Biased	7.3185	7.7494	0.4309
423	50	Unbiased	7.2429	7.6732	0.4303
424	50	Unbiased	7.2496	7.7261	0.4765
425	50	Unbiased	7.2041	7.7161	0.512
426	50	Unbiased	7.2108	7.6603	0.4495
427	50	Unbiased	7.1707	7.6207	0.45
463	0	Corr	6.9773	7.6869	0.7096
464	0	Corr	6.9401	7.7645	0.8244
465	0	Corr	6.8778	7.808	0.9302
466	30	Biased	7.1537	7.6832	0.5295
469	30	Biased	7.0776	7.6734	0.5958
470	30	Biased	7.1593	7.7852	0.6259
472	30	Biased	7.1522	7.7249	0.5727
474	30	Biased	7.2025	7.7485	0.546
475	30	Unbiased	7.1152	7.7175	0.6023
477	30	Unbiased	7.1255	7.7236	0.5981
478	30	Unbiased	7.0972	7.6035	0.5063
479	30	Unbiased	7.2224	7.785	0.5626
480	30	Unbiased	7.1929	7.7891	0.5962
481	10	Biased	7.1138	7.7548	0.641
482	10	Biased	7.0767	7.7403	0.6636
483	10	Biased	7.1913	7.8085	0.6172
484	10	Biased	7.2459	7.7954	0.5495
485	10	Biased	7.3599	7.7617	0.4018
487	10	Unbiased	7.0377	7.8323	0.7946
488	10	Unbiased	7.0305	7.7633	0.7328
489	10	Unbiased	7.1073	7.7403	0.633
490	10	Unbiased	7.2835	7.8052	0.5217
491	10	Unbiased	7.3076	7.6955	0.3879
492	3	Biased	7.4914	7.7961	0.3047
493	3	Biased	7.4805	7.7931	0.3126
494	3	Biased	7.3678	7.7754	0.4076
495	3	Biased	7.4076	7.7832	0.3756
496	3	Biased	7.4623	7.7952	0.3329
497	3	Unbiased	7.2893	7.7704	0.4811
498	3	Unbiased	7.2735	7.6619	0.3884
499	3	Unbiased	7.3847	7.8283	0.4436
500	3	Unbiased	7.1353	7.6736	0.5383
502	3	Unbiased	7.6636	7.7309	0.0673

Test Statistics (ns)

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	6.8778	6.9317	6.9773	0.050275	7.6869	7.7531	7.808	0.061345	0.7096	0.8214	0.9302	0.11033
3	7.1353	7.3956	7.6636	0.1444	7.6619	7.7608	7.8283	0.054889	0.0673	0.36521	0.5383	0.12832
10	7.0305	7.1754	7.3599	0.11858	7.6955	7.7697	7.8323	0.040697	0.3879	0.59431	0.7946	0.13134
30	7.0776	7.1498	7.2224	0.046885	7.6035	7.7234	7.7891	0.058774	0.5063	0.57354	0.6259	0.037298
50	7.1707	7.2605	7.3651	0.059172	7.6207	7.7017	7.7601	0.044393	0.3732	0.44121	0.512	0.042617
100	7.2352	7.3672	7.4643	0.05771	7.4878	7.6996	7.8536	0.091989	0.2526	0.33247	0.3894	0.04275

Device Test: 24.102 SYNC_OUT_HIGH_7V(LEVELS|VOH/SYNC1/12//511k//@SYNC_OUT_HIGH_7V)





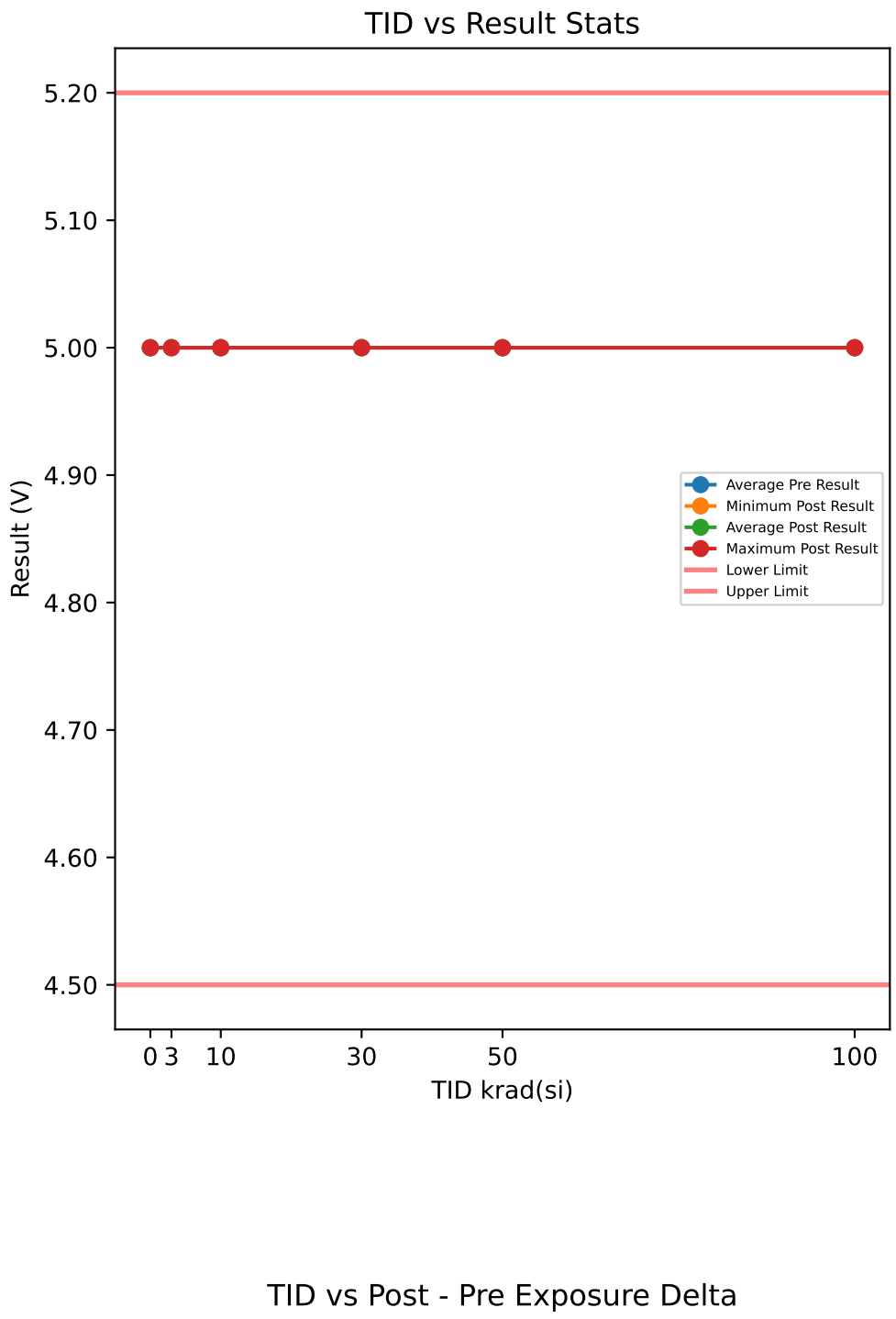
Test Results (Lower Limit = 4.5, Upper Limit = 5.2 (V))

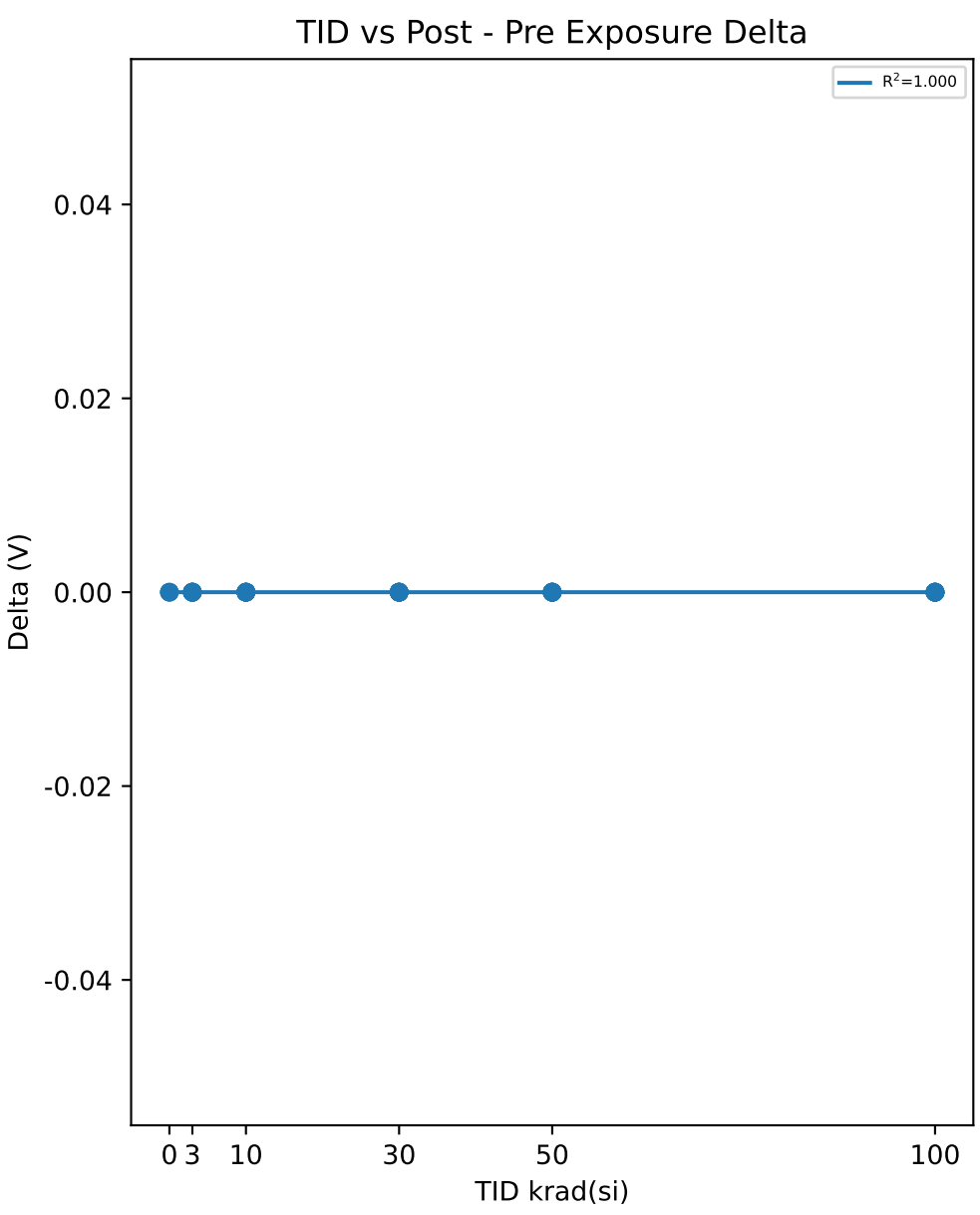
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
390	100	Biased	5	5	0
392	100	Biased	5	5	0
393	100	Biased	5	5	0
394	100	Biased	5	5	0
395	100	Biased	5	5	0
412	100	Unbiased	5	5	0
413	100	Unbiased	5	5	0
414	100	Unbiased	5	5	0
415	100	Unbiased	5	5	0
416	100	Unbiased	5	5	0
417	50	Biased	5	5	0
418	50	Biased	5	5	0
419	50	Biased	5	5	0
421	50	Biased	5	5	0
422	50	Biased	5	5	0
423	50	Unbiased	5	5	0
424	50	Unbiased	5	5	0
425	50	Unbiased	5	5	0
426	50	Unbiased	5	5	0
427	50	Unbiased	5	5	0
463	0	Corr	5	5	0
464	0	Corr	5	5	0
465	0	Corr	5	5	0
466	30	Biased	5	5	0
469	30	Biased	5	5	0
470	30	Biased	5	5	0
472	30	Biased	5	5	0
474	30	Biased	5	5	0
475	30	Unbiased	5	5	0
477	30	Unbiased	5	5	0
478	30	Unbiased	5	5	0
479	30	Unbiased	5	5	0
480	30	Unbiased	5	5	0
481	10	Biased	5	5	0
482	10	Biased	5	5	0
483	10	Biased	5	5	0
484	10	Biased	5	5	0
485	10	Biased	5	5	0
487	10	Unbiased	5	5	0
488	10	Unbiased	5	5	0
489	10	Unbiased	5	5	0
490	10	Unbiased	5	5	0
491	10	Unbiased	5	5	0
492	3	Biased	5	5	0
493	3	Biased	5	5	0
494	3	Biased	5	5	0
495	3	Biased	5	5	0
496	3	Biased	5	5	0
497	3	Unbiased	5	5	0
498	3	Unbiased	5	5	0
499	3	Unbiased	5	5	0
500	3	Unbiased	5	5	0
502	3	Unbiased	5	5	0

Test Statistics (V)

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	5	5	5	0	5	5	5	0	0	0	0	0
3	5	5	5	0	5	5	5	0	0	0	0	0
10	5	5	5	0	5	5	5	0	0	0	0	0
30	5	5	5	0	5	5	5	0	0	0	0	0
50	5	5	5	0	5	5	5	0	0	0	0	0
100	5	5	5	0	5	5	5	0	0	0	0	0

Device Test: 24.103 SYNC_OUT_HIGH_7V(LEVELS|VOH/SYNC2/12//511k//@SYNC_OUT_HIGH_7V)





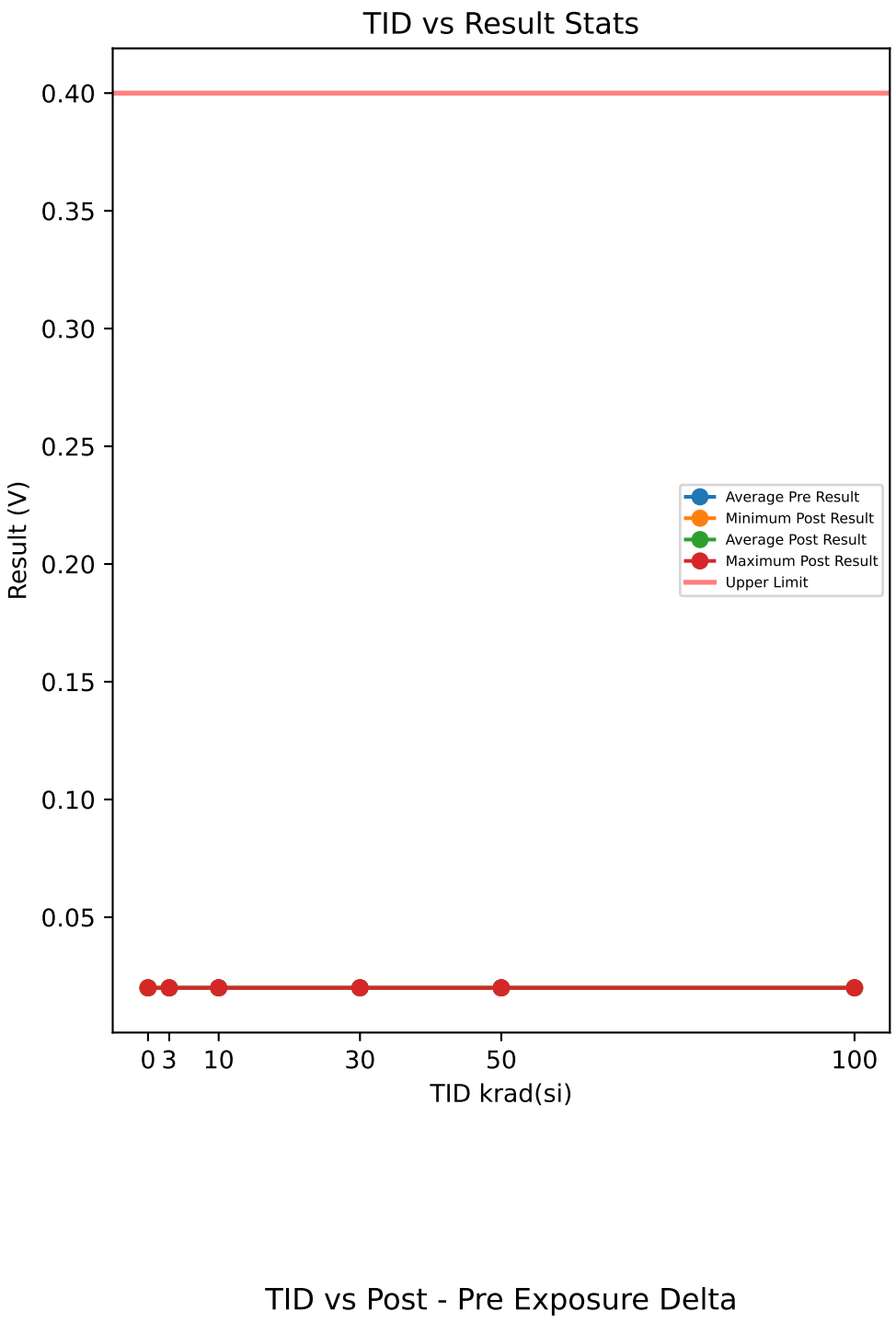
Test Results (Lower Limit = 4.5, Upper Limit = 5.2 (V))

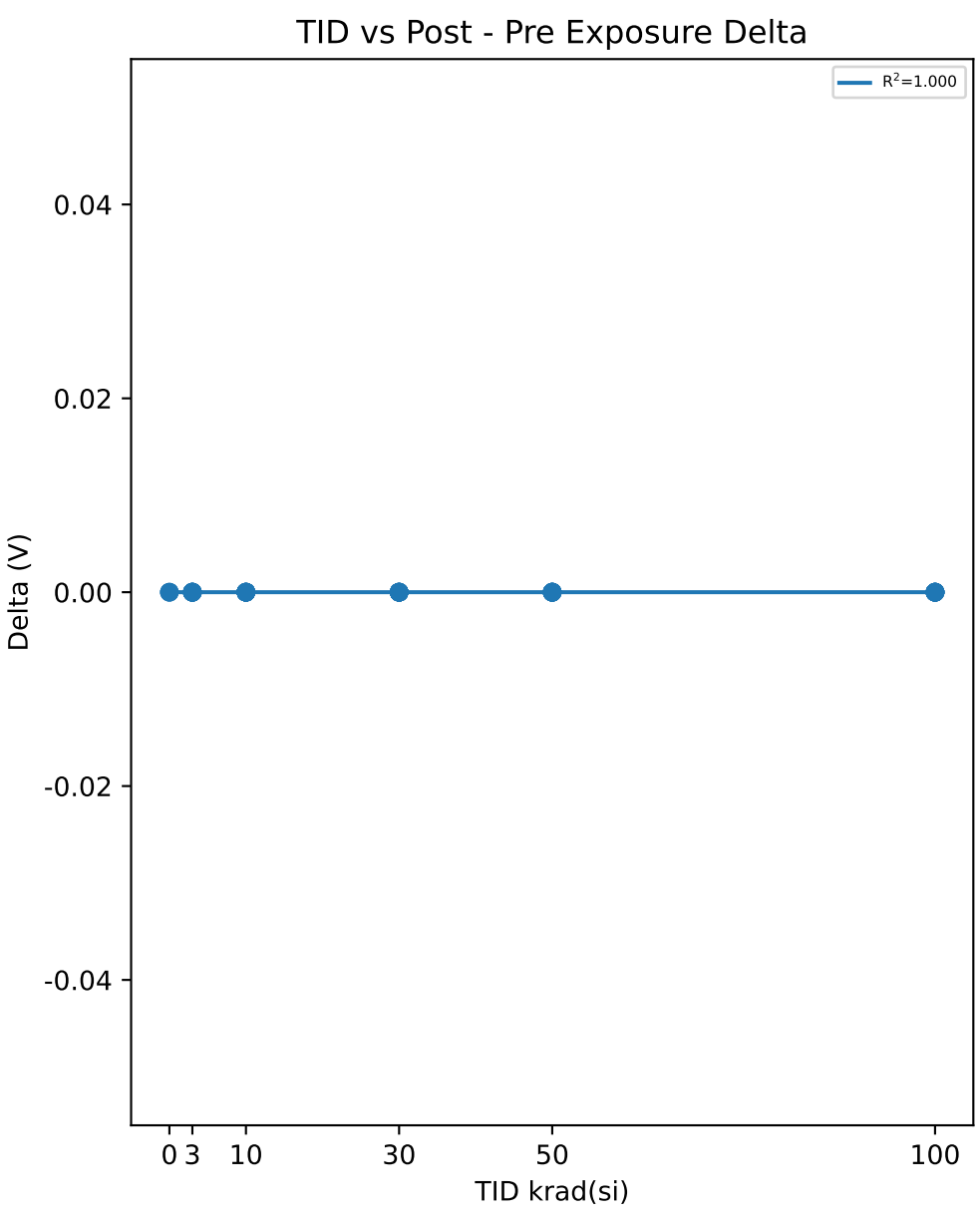
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
390	100	Biased	5	5	0
392	100	Biased	5	5	0
393	100	Biased	5	5	0
394	100	Biased	5	5	0
395	100	Biased	5	5	0
412	100	Unbiased	5	5	0
413	100	Unbiased	5	5	0
414	100	Unbiased	5	5	0
415	100	Unbiased	5	5	0
416	100	Unbiased	5	5	0
417	50	Biased	5	5	0
418	50	Biased	5	5	0
419	50	Biased	5	5	0
421	50	Biased	5	5	0
422	50	Biased	5	5	0
423	50	Unbiased	5	5	0
424	50	Unbiased	5	5	0
425	50	Unbiased	5	5	0
426	50	Unbiased	5	5	0
427	50	Unbiased	5	5	0
463	0	Corr	5	5	0
464	0	Corr	5	5	0
465	0	Corr	5	5	0
466	30	Biased	5	5	0
469	30	Biased	5	5	0
470	30	Biased	5	5	0
472	30	Biased	5	5	0
474	30	Biased	5	5	0
475	30	Unbiased	5	5	0
477	30	Unbiased	5	5	0
478	30	Unbiased	5	5	0
479	30	Unbiased	5	5	0
480	30	Unbiased	5	5	0
481	10	Biased	5	5	0
482	10	Biased	5	5	0
483	10	Biased	5	5	0
484	10	Biased	5	5	0
485	10	Biased	5	5	0
487	10	Unbiased	5	5	0
488	10	Unbiased	5	5	0
489	10	Unbiased	5	5	0
490	10	Unbiased	5	5	0
491	10	Unbiased	5	5	0
492	3	Biased	5	5	0
493	3	Biased	5	5	0
494	3	Biased	5	5	0
495	3	Biased	5	5	0
496	3	Biased	5	5	0
497	3	Unbiased	5	5	0
498	3	Unbiased	5	5	0
499	3	Unbiased	5	5	0
500	3	Unbiased	5	5	0
502	3	Unbiased	5	5	0

Test Statistics (V)

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	5	5	5	0	5	5	5	0	0	0	0	0
3	5	5	5	0	5	5	5	0	0	0	0	0
10	5	5	5	0	5	5	5	0	0	0	0	0
30	5	5	5	0	5	5	5	0	0	0	0	0
50	5	5	5	0	5	5	5	0	0	0	0	0
100	5	5	5	0	5	5	5	0	0	0	0	0

Device Test: 24.104 SYNC_OUT_LOW(LEVELS|VOL/SYNC1/12//511k//@SYNC_OUT_LOW)





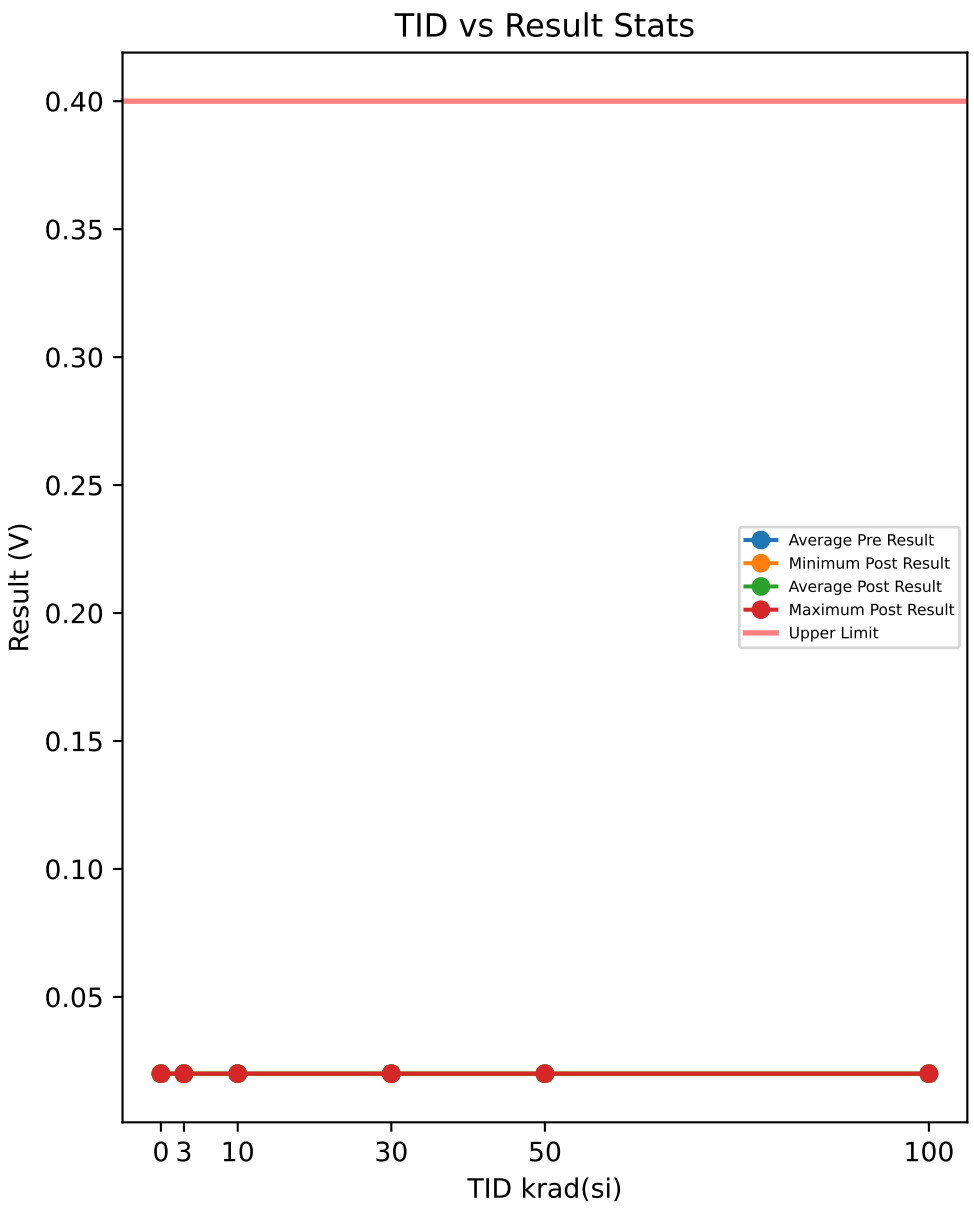
Test Results (Upper Limit = 0.4 (V))

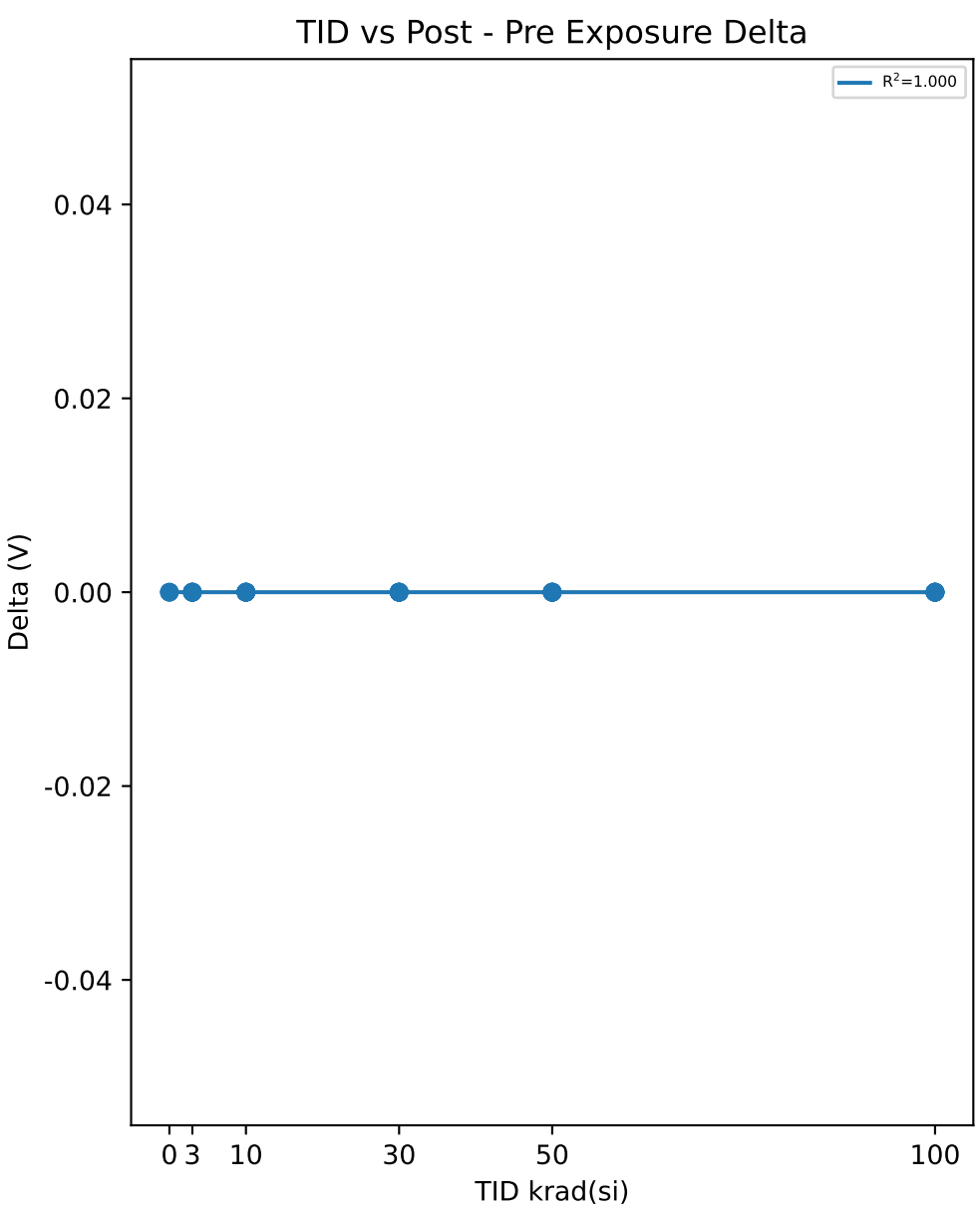
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
390	100	Biased	0.02	0.02	0
392	100	Biased	0.02	0.02	0
393	100	Biased	0.02	0.02	0
394	100	Biased	0.02	0.02	0
395	100	Biased	0.02	0.02	0
412	100	Unbiased	0.02	0.02	0
413	100	Unbiased	0.02	0.02	0
414	100	Unbiased	0.02	0.02	0
415	100	Unbiased	0.02	0.02	0
416	100	Unbiased	0.02	0.02	0
417	50	Biased	0.02	0.02	0
418	50	Biased	0.02	0.02	0
419	50	Biased	0.02	0.02	0
421	50	Biased	0.02	0.02	0
422	50	Biased	0.02	0.02	0
423	50	Unbiased	0.02	0.02	0
424	50	Unbiased	0.02	0.02	0
425	50	Unbiased	0.02	0.02	0
426	50	Unbiased	0.02	0.02	0
427	50	Unbiased	0.02	0.02	0
463	0	Corr	0.02	0.02	0
464	0	Corr	0.02	0.02	0
465	0	Corr	0.02	0.02	0
466	30	Biased	0.02	0.02	0
469	30	Biased	0.02	0.02	0
470	30	Biased	0.02	0.02	0
472	30	Biased	0.02	0.02	0
474	30	Biased	0.02	0.02	0
475	30	Unbiased	0.02	0.02	0
477	30	Unbiased	0.02	0.02	0
478	30	Unbiased	0.02	0.02	0
479	30	Unbiased	0.02	0.02	0
480	30	Unbiased	0.02	0.02	0
481	10	Biased	0.02	0.02	0
482	10	Biased	0.02	0.02	0
483	10	Biased	0.02	0.02	0
484	10	Biased	0.02	0.02	0
485	10	Biased	0.02	0.02	0
487	10	Unbiased	0.02	0.02	0
488	10	Unbiased	0.02	0.02	0
489	10	Unbiased	0.02	0.02	0
490	10	Unbiased	0.02	0.02	0
491	10	Unbiased	0.02	0.02	0
492	3	Biased	0.02	0.02	0
493	3	Biased	0.02	0.02	0
494	3	Biased	0.02	0.02	0
495	3	Biased	0.02	0.02	0
496	3	Biased	0.02	0.02	0
497	3	Unbiased	0.02	0.02	0
498	3	Unbiased	0.02	0.02	0
499	3	Unbiased	0.02	0.02	0
500	3	Unbiased	0.02	0.02	0
502	3	Unbiased	0.02	0.02	0

Test Statistics (V)

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	0.02	0.02	0.02	0	0.02	0.02	0.02	0	0	0	0	0
3	0.02	0.02	0.02	0	0.02	0.02	0.02	0	0	0	0	0
10	0.02	0.02	0.02	0	0.02	0.02	0.02	0	0	0	0	0
30	0.02	0.02	0.02	0	0.02	0.02	0.02	0	0	0	0	0
50	0.02	0.02	0.02	0	0.02	0.02	0.02	0	0	0	0	0
100	0.02	0.02	0.02	0	0.02	0.02	0.02	0	0	0	0	0

Device Test: 24.105 SYNC_OUT_LOW(LEVELS|VOL/SYNC2/12//511k//@SYNC_OUT_LOW)





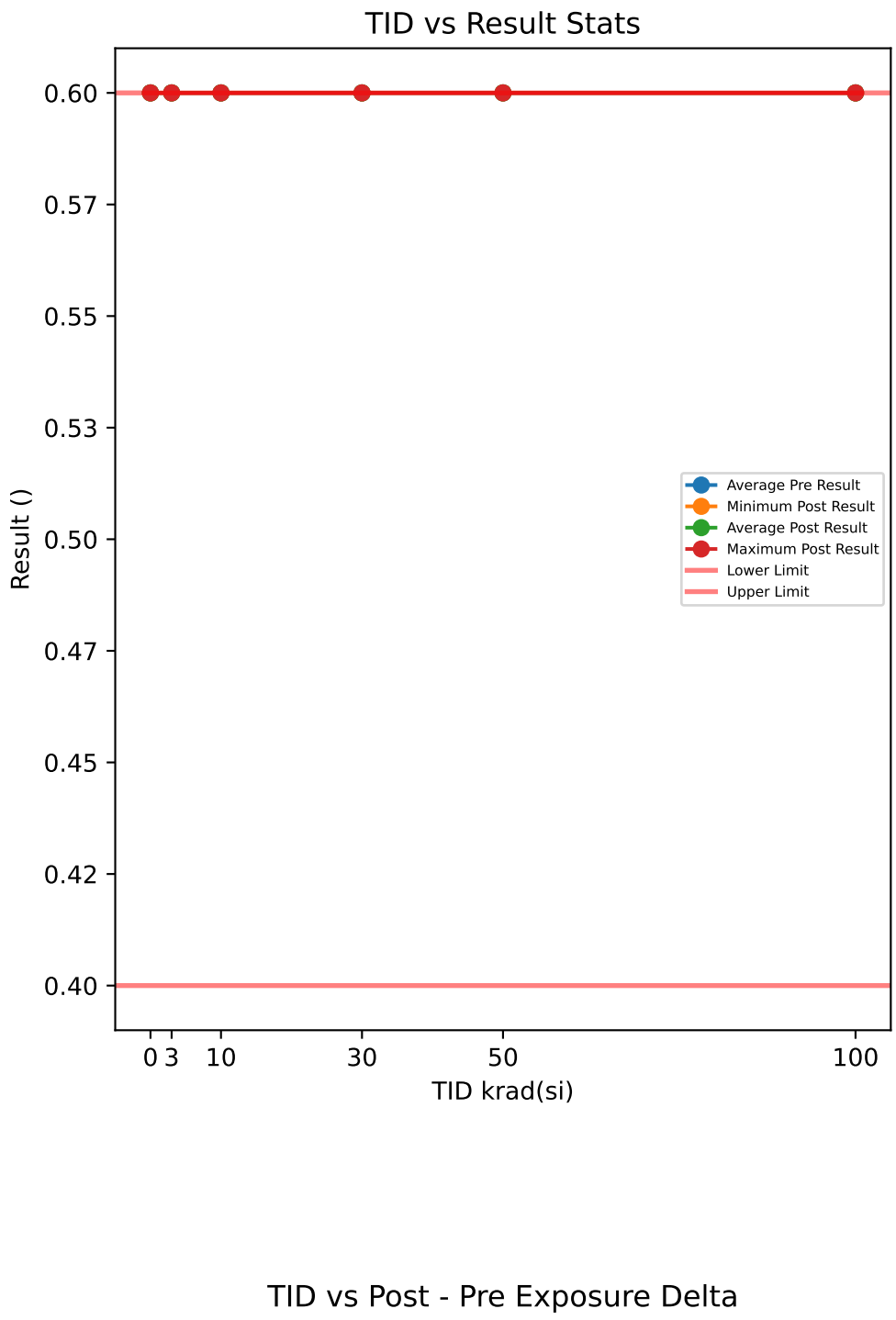
Test Results (Upper Limit = 0.4 (V))

Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
390	100	Biased	0.02	0.02	0
392	100	Biased	0.02	0.02	0
393	100	Biased	0.02	0.02	0
394	100	Biased	0.02	0.02	0
395	100	Biased	0.02	0.02	0
412	100	Unbiased	0.02	0.02	0
413	100	Unbiased	0.02	0.02	0
414	100	Unbiased	0.02	0.02	0
415	100	Unbiased	0.02	0.02	0
416	100	Unbiased	0.02	0.02	0
417	50	Biased	0.02	0.02	0
418	50	Biased	0.02	0.02	0
419	50	Biased	0.02	0.02	0
421	50	Biased	0.02	0.02	0
422	50	Biased	0.02	0.02	0
423	50	Unbiased	0.02	0.02	0
424	50	Unbiased	0.02	0.02	0
425	50	Unbiased	0.02	0.02	0
426	50	Unbiased	0.02	0.02	0
427	50	Unbiased	0.02	0.02	0
463	0	Corr	0.02	0.02	0
464	0	Corr	0.02	0.02	0
465	0	Corr	0.02	0.02	0
466	30	Biased	0.02	0.02	0
469	30	Biased	0.02	0.02	0
470	30	Biased	0.02	0.02	0
472	30	Biased	0.02	0.02	0
474	30	Biased	0.02	0.02	0
475	30	Unbiased	0.02	0.02	0
477	30	Unbiased	0.02	0.02	0
478	30	Unbiased	0.02	0.02	0
479	30	Unbiased	0.02	0.02	0
480	30	Unbiased	0.02	0.02	0
481	10	Biased	0.02	0.02	0
482	10	Biased	0.02	0.02	0
483	10	Biased	0.02	0.02	0
484	10	Biased	0.02	0.02	0
485	10	Biased	0.02	0.02	0
487	10	Unbiased	0.02	0.02	0
488	10	Unbiased	0.02	0.02	0
489	10	Unbiased	0.02	0.02	0
490	10	Unbiased	0.02	0.02	0
491	10	Unbiased	0.02	0.02	0
492	3	Biased	0.02	0.02	0
493	3	Biased	0.02	0.02	0
494	3	Biased	0.02	0.02	0
495	3	Biased	0.02	0.02	0
496	3	Biased	0.02	0.02	0
497	3	Unbiased	0.02	0.02	0
498	3	Unbiased	0.02	0.02	0
499	3	Unbiased	0.02	0.02	0
500	3	Unbiased	0.02	0.02	0
502	3	Unbiased	0.02	0.02	0

Test Statistics (V)

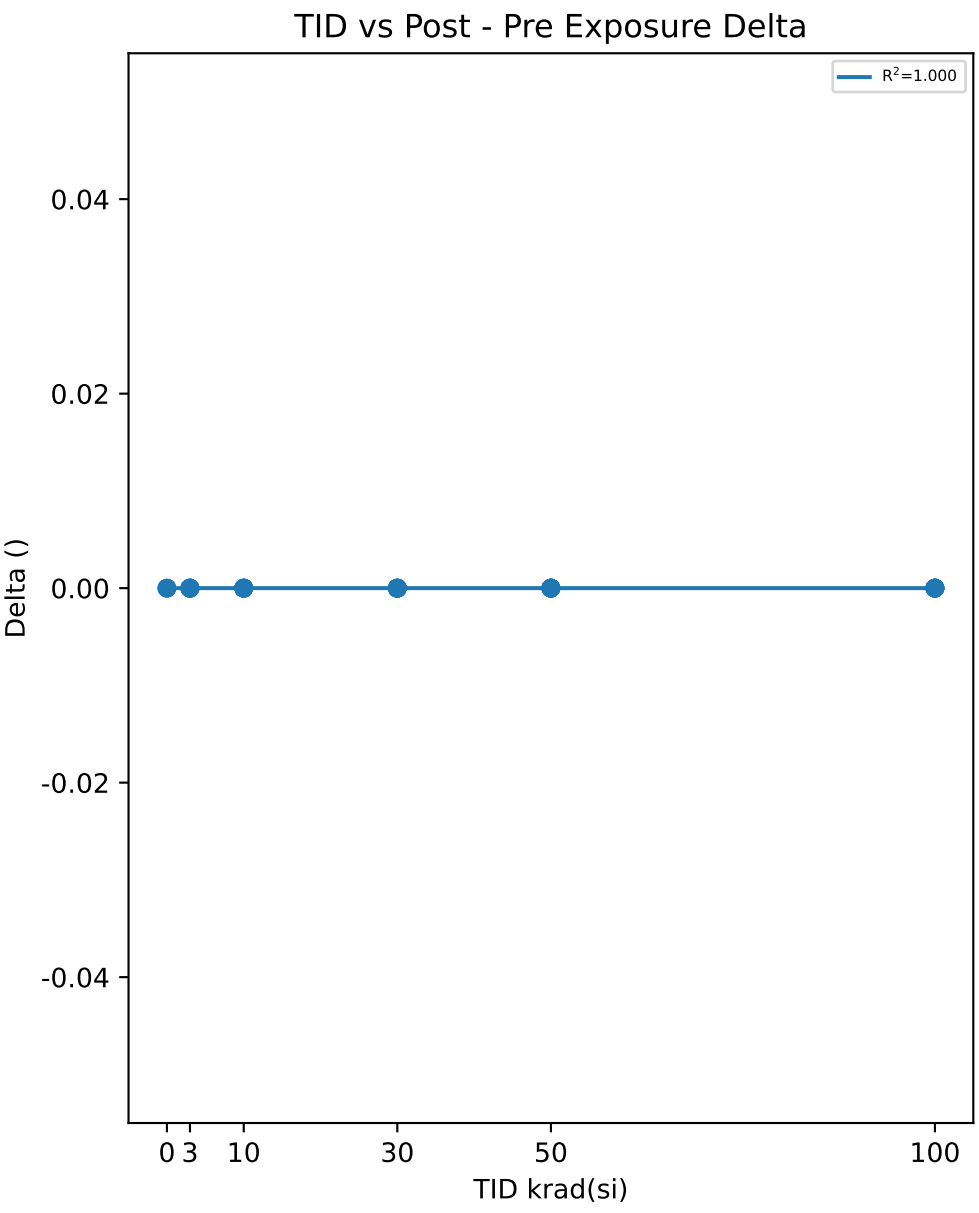
krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	0.02	0.02	0.02	0	0.02	0.02	0.02	0	0	0	0	0
3	0.02	0.02	0.02	0	0.02	0.02	0.02	0	0	0	0	0
10	0.02	0.02	0.02	0	0.02	0.02	0.02	0	0	0	0	0
30	0.02	0.02	0.02	0	0.02	0.02	0.02	0	0	0	0	0
50	0.02	0.02	0.02	0	0.02	0.02	0.02	0	0	0	0	0
100	0.02	0.02	0.02	0	0.02	0.02	0.02	0	0	0	0	0

ce Test: 24.11 SYNC_IN_DUTY_CYCLE_RANGE(UTYCYCLE|GNG_60%/SYNC1/4.5//OPEN//@SYNC_IN_DUTY_CYCLE_RAI



Test Results (Lower Limit = 0.4, Upper Limit = 0.6 ())

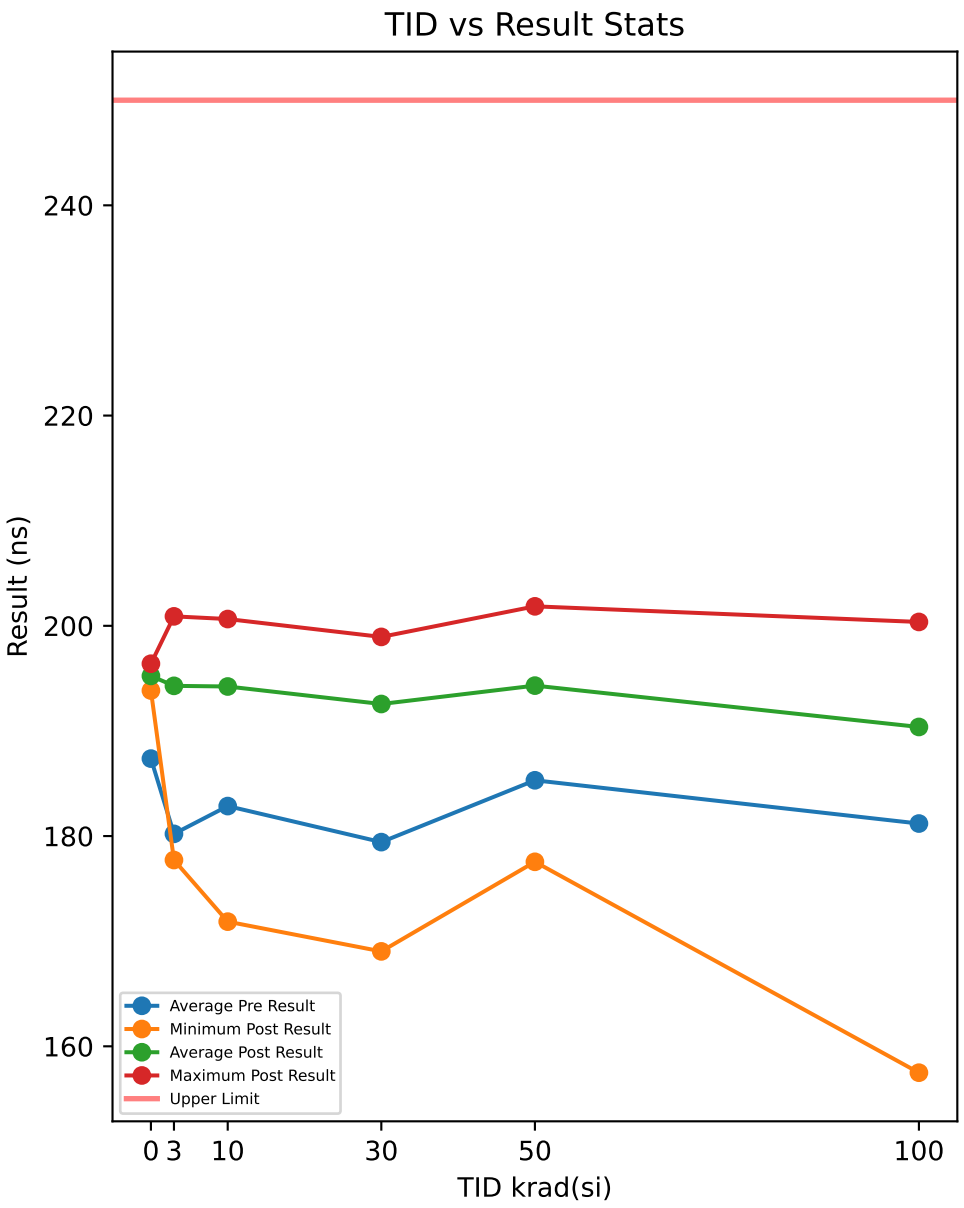
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
390	100	Biased	0.6	0.6	0
392	100	Biased	0.6	0.6	0
393	100	Biased	0.6	0.6	0
394	100	Biased	0.6	0.6	0
395	100	Biased	0.6	0.6	0
412	100	Unbiased	0.6	0.6	0
413	100	Unbiased	0.6	0.6	0
414	100	Unbiased	0.6	0.6	0
415	100	Unbiased	0.6	0.6	0
416	100	Unbiased	0.6	0.6	0
417	50	Biased	0.6	0.6	0
418	50	Biased	0.6	0.6	0
419	50	Biased	0.6	0.6	0
421	50	Biased	0.6	0.6	0
422	50	Biased	0.6	0.6	0
423	50	Unbiased	0.6	0.6	0
424	50	Unbiased	0.6	0.6	0
425	50	Unbiased	0.6	0.6	0
426	50	Unbiased	0.6	0.6	0
427	50	Unbiased	0.6	0.6	0
463	0	Corr	0.6	0.6	0
464	0	Corr	0.6	0.6	0
465	0	Corr	0.6	0.6	0
466	30	Biased	0.6	0.6	0
469	30	Biased	0.6	0.6	0
470	30	Biased	0.6	0.6	0
472	30	Biased	0.6	0.6	0
474	30	Biased	0.6	0.6	0
475	30	Unbiased	0.6	0.6	0
477	30	Unbiased	0.6	0.6	0
478	30	Unbiased	0.6	0.6	0
479	30	Unbiased	0.6	0.6	0
480	30	Unbiased	0.6	0.6	0
481	10	Biased	0.6	0.6	0
482	10	Biased	0.6	0.6	0
483	10	Biased	0.6	0.6	0
484	10	Biased	0.6	0.6	0
485	10	Biased	0.6	0.6	0
487	10	Unbiased	0.6	0.6	0
488	10	Unbiased	0.6	0.6	0
489	10	Unbiased	0.6	0.6	0
490	10	Unbiased	0.6	0.6	0
491	10	Unbiased	0.6	0.6	0
492	3	Biased	0.6	0.6	0
493	3	Biased	0.6	0.6	0
494	3	Biased	0.6	0.6	0
495	3	Biased	0.6	0.6	0
496	3	Biased	0.6	0.6	0
497	3	Unbiased	0.6	0.6	0
498	3	Unbiased	0.6	0.6	0
499	3	Unbiased	0.6	0.6	0
500	3	Unbiased	0.6	0.6	0
502	3	Unbiased	0.6	0.6	0

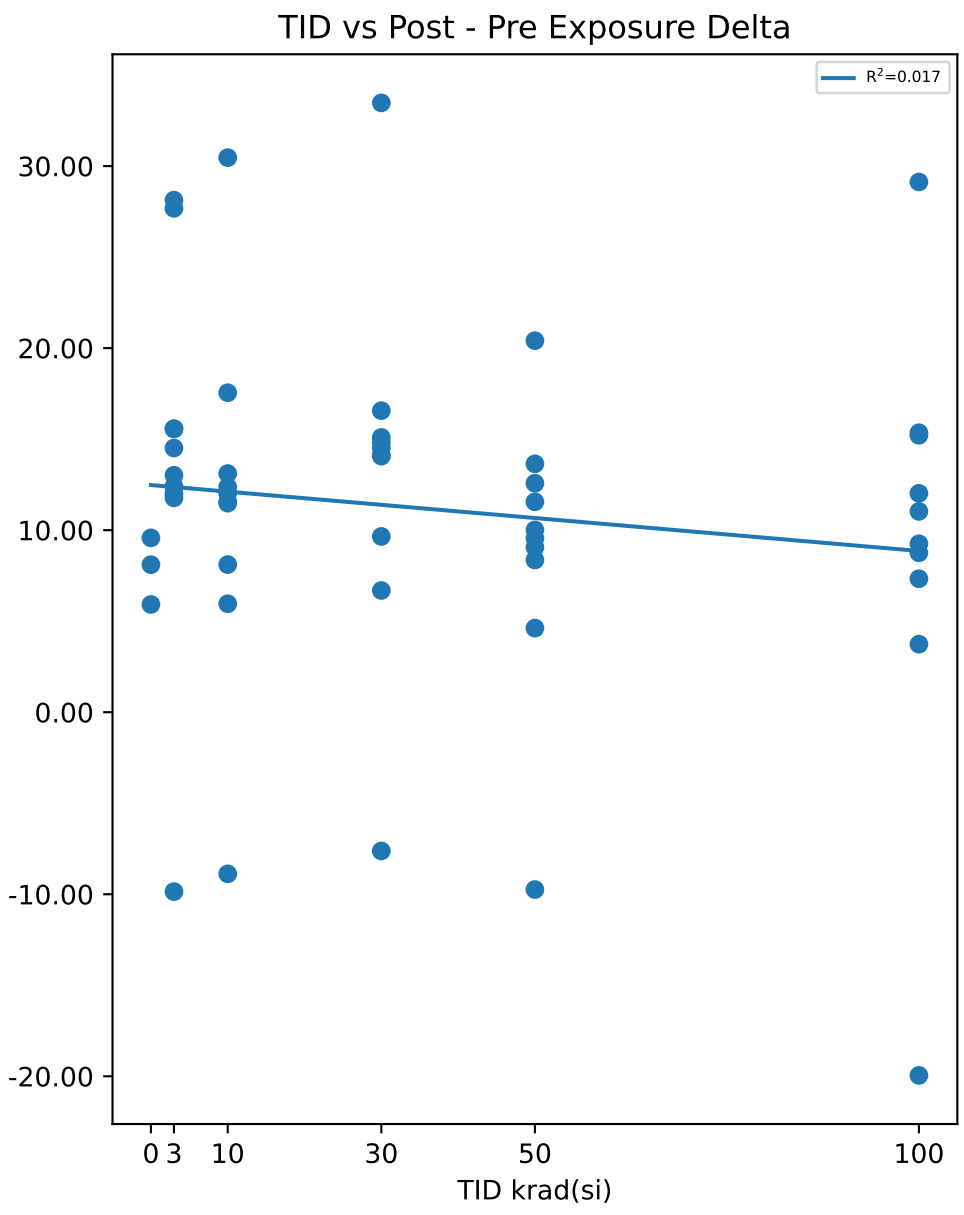


Test Statistics ()

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	0.6	0.6	0.6	0	0.6	0.6	0.6	0	0	0	0	0
3	0.6	0.6	0.6	0	0.6	0.6	0.6	0	0	0	0	0
10	0.6	0.6	0.6	0	0.6	0.6	0.6	0	0	0	0	0
30	0.6	0.6	0.6	0	0.6	0.6	0.6	0	0	0	0	0
50	0.6	0.6	0.6	0	0.6	0.6	0.6	0	0	0	0	0
100	0.6	0.6	0.6	0	0.6	0.6	0.6	0	0	0	0	0

Device Test: 24.111 ON_TIME_MIN_12V(TIMING|MINON/SW/12//511k//@ON_TIME_MIN_12V)





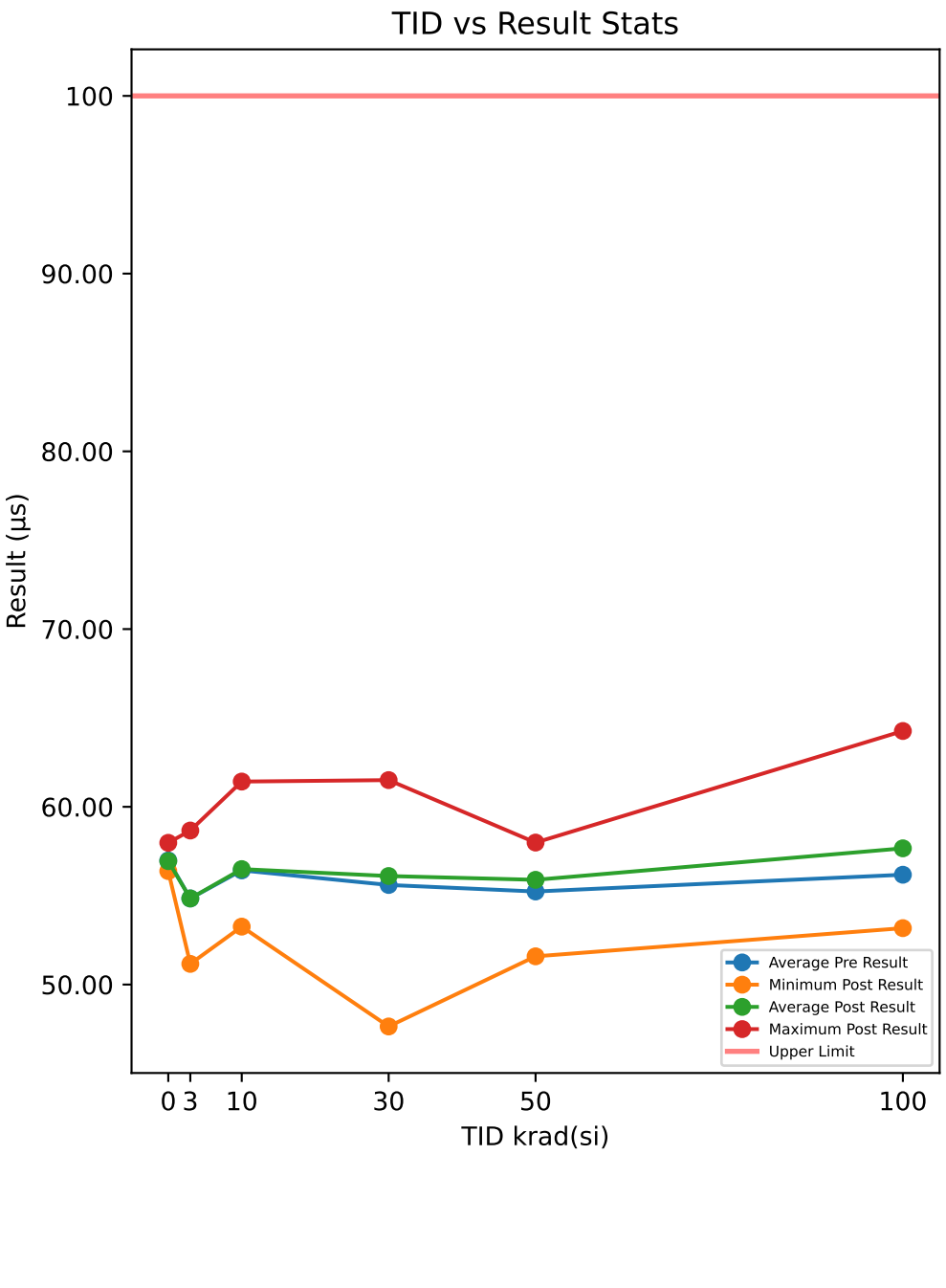
Test Results (Upper Limit = 250.0 (ns))

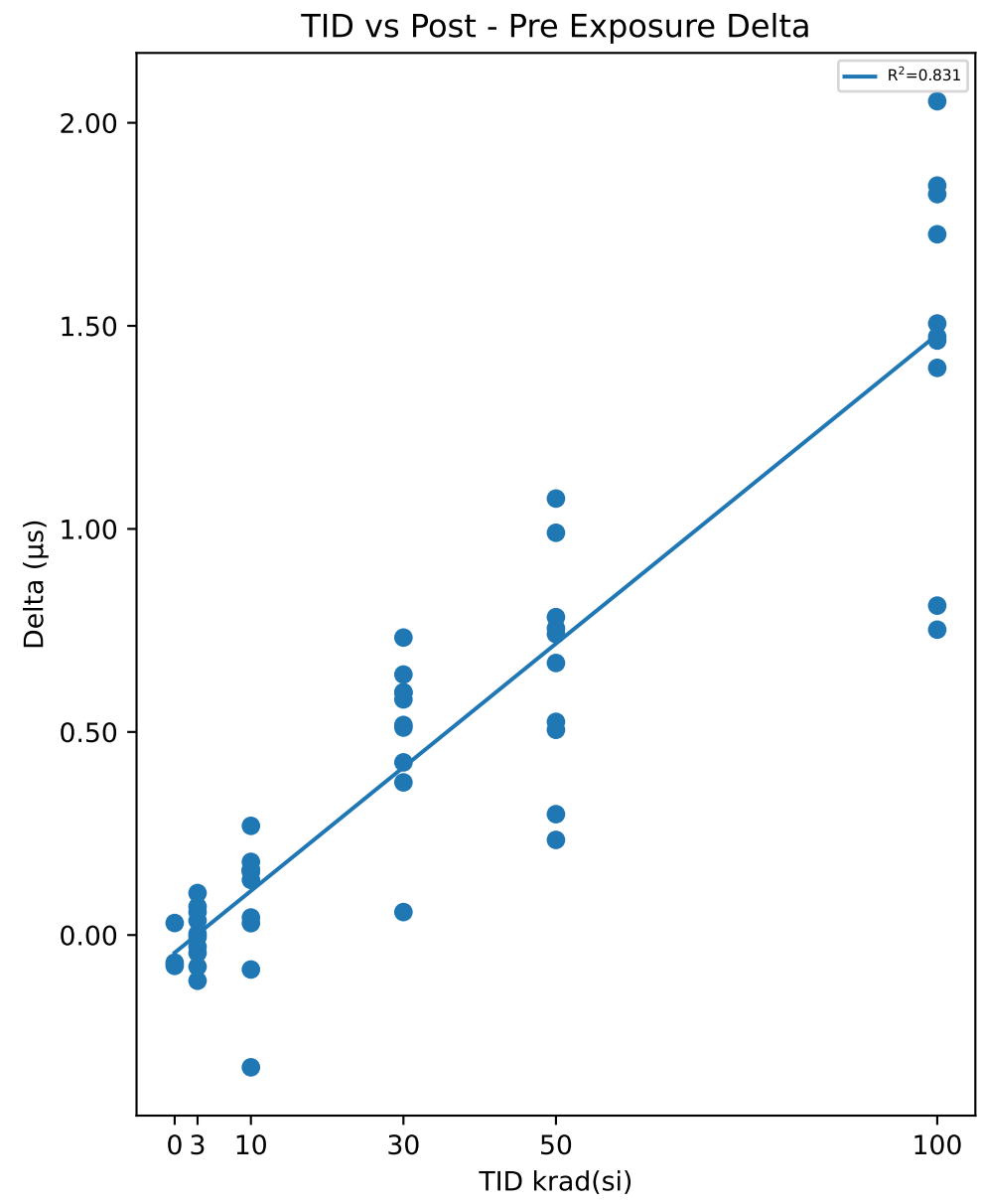
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
390	100	Biased	180.59	187.93	7.3321
392	100	Biased	180.21	195.43	15.211
393	100	Biased	189.47	193.21	3.7373
394	100	Biased	181.49	190.74	9.2516
395	100	Biased	185.02	200.37	15.351
412	100	Unbiased	169.34	198.47	29.126
413	100	Unbiased	185.5	194.26	8.7563
414	100	Unbiased	178.14	189.17	11.032
415	100	Unbiased	177.44	157.49	-19.95
416	100	Unbiased	184.7	196.73	12.024
417	50	Biased	179.32	189.33	10.013
418	50	Biased	186.88	195.94	9.0626
419	50	Biased	183.69	195.25	11.559
421	50	Biased	180.59	193.17	12.579
422	50	Biased	187.41	195.78	8.3618
423	50	Unbiased	187.15	200.8	13.644
424	50	Unbiased	187.29	177.55	-9.7417
425	50	Unbiased	181.44	201.85	20.41
426	50	Unbiased	191.37	200.92	9.552
427	50	Unbiased	187.9	192.52	4.6201
463	0	Corr	189.55	195.46	5.918
464	0	Corr	188.29	196.39	8.1045
465	0	Corr	184.27	193.85	9.5768
466	30	Biased	181.7	188.39	6.6869
469	30	Biased	184.51	198.57	14.066
470	30	Biased	184.07	198.21	14.134
472	30	Biased	182.38	198.94	16.565
474	30	Biased	182.07	196.58	14.509
475	30	Unbiased	176.65	169.03	-7.6224
477	30	Unbiased	178.22	187.88	9.6552
478	30	Unbiased	179.88	194.97	15.096
479	30	Unbiased	181.17	195.99	14.826
480	30	Unbiased	163.59	197.06	33.47
481	10	Biased	164.71	195.18	30.464
482	10	Biased	187.11	198.67	11.558
483	10	Biased	188.01	199.49	11.482
484	10	Biased	188.27	200.65	12.376
485	10	Biased	180.74	171.86	-8.8785
487	10	Unbiased	180.7	198.25	17.551
488	10	Unbiased	184.8	197.91	13.111
489	10	Unbiased	185.02	190.98	5.9569
490	10	Unbiased	183.27	191.38	8.1102
491	10	Unbiased	185.89	197.91	12.019
492	3	Biased	188.26	200.04	11.774
493	3	Biased	166.09	193.76	27.677
494	3	Biased	179.35	194.91	15.563
495	3	Biased	187.21	199.22	12.005
496	3	Biased	184.64	199.15	14.513
497	3	Unbiased	158.72	186.85	28.129
498	3	Unbiased	187.58	177.72	-9.8546
499	3	Unbiased	179.28	194.85	15.572
500	3	Unbiased	183.1	195.5	12.405
502	3	Unbiased	187.88	200.9	13.018

Test Statistics (ns)

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	184.27	187.37	189.55	2.7567	193.85	195.23	196.39	1.2897	5.918	7.8664	9.5768	1.841
3	158.72	180.21	188.26	10.099	177.72	194.29	200.9	7.1259	-9.8546	14.08	28.129	10.399
10	164.71	182.85	188.27	6.9129	171.86	194.23	200.65	8.5107	-8.8785	11.375	30.464	9.7594
30	163.59	179.42	184.51	6.0702	169.03	192.56	198.94	9.1642	-7.6224	13.139	33.47	10.112
50	179.32	185.31	191.37	3.8497	177.55	194.31	201.85	7.1378	-9.7417	9.006	20.41	7.7695
100	169.34	181.19	189.47	5.5703	157.49	190.38	200.37	12.217	-19.95	9.187	29.126	12.318

Device Test: 24.112 T_EN_DELAY(TIMING|DELAY/EN/12//511k//@T_EN_DELAY)





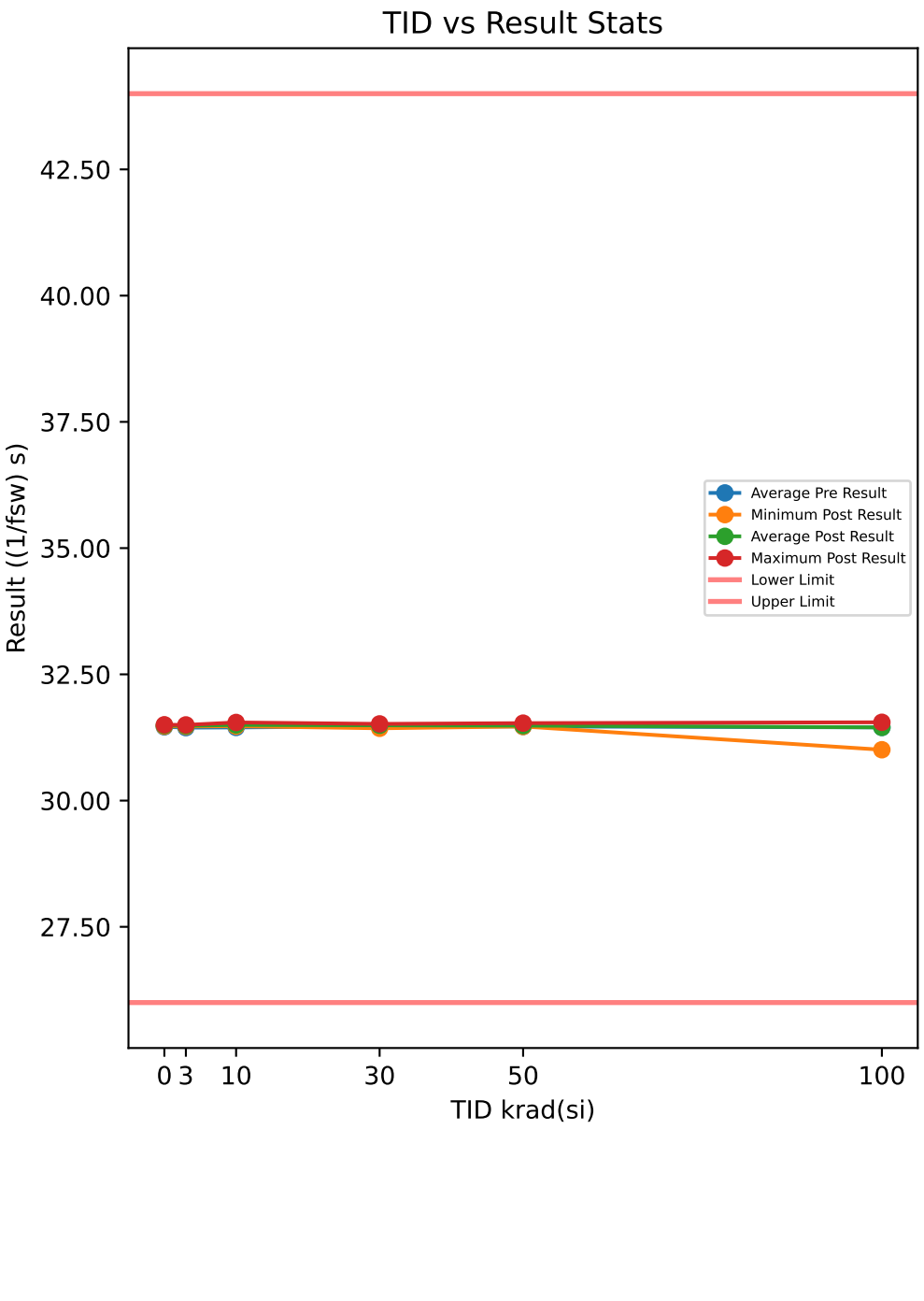
Test Results (Upper Limit = 100.0 (µs))

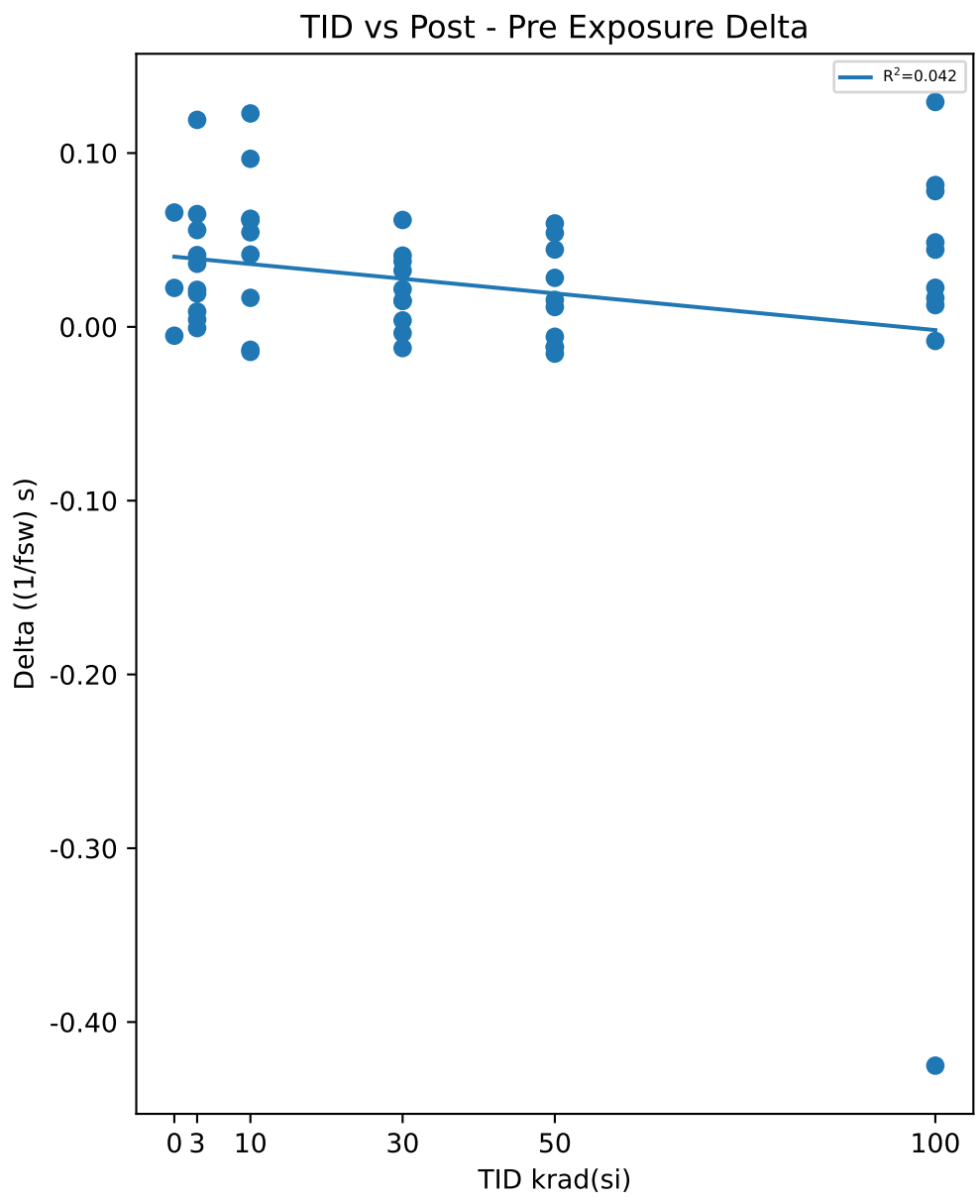
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
390	100	Biased	53.272	54.024	0.7519
392	100	Biased	54.227	55.691	1.4638
393	100	Biased	56.084	57.908	1.8243
394	100	Biased	51.668	53.174	1.5058
395	100	Biased	62.42	64.266	1.8454
412	100	Unbiased	55.475	57.201	1.7255
413	100	Unbiased	58.513	59.986	1.4734
414	100	Unbiased	56.88	58.277	1.3965
415	100	Unbiased	57.522	58.333	0.8111
416	100	Unbiased	55.728	57.782	2.0531
417	50	Biased	56.232	56.467	0.2342
418	50	Biased	55.922	56.677	0.7553
419	50	Biased	57.221	57.745	0.5249
421	50	Biased	57.247	57.988	0.7411
422	50	Biased	54.591	55.582	0.9905
423	50	Unbiased	55.039	56.113	1.0747
424	50	Unbiased	56.539	57.322	0.7828
425	50	Unbiased	56.253	56.551	0.2976
426	50	Unbiased	52.392	52.898	0.5053
427	50	Unbiased	50.918	51.588	0.6699
463	0	Corr	56.452	56.384	-0.0679
464	0	Corr	57.945	57.974	0.0296
465	0	Corr	56.55	56.474	-0.0759
466	30	Biased	61.447	61.503	0.0565
469	30	Biased	47.217	47.642	0.4251
470	30	Biased	55.227	55.737	0.5108
472	30	Biased	52.431	53.029	0.598
474	30	Biased	58.898	59.63	0.7324
475	30	Unbiased	58.492	59.072	0.5802
477	30	Unbiased	56.479	56.855	0.3758
478	30	Unbiased	55.43	56.072	0.6414
479	30	Unbiased	54.568	55.085	0.5172
480	30	Unbiased	55.842	56.438	0.5965
481	10	Biased	61.241	61.421	0.1802
482	10	Biased	57.377	57.051	-0.3257
483	10	Biased	55.143	55.186	0.0431
484	10	Biased	58.791	58.946	0.1551
485	10	Biased	53.124	53.259	0.1357
487	10	Unbiased	54.999	55.028	0.0292
488	10	Unbiased	53.69	53.851	0.1612
489	10	Unbiased	56.986	56.901	-0.0849
490	10	Unbiased	55.856	56.125	0.2688
491	10	Unbiased	57.028	57.187	0.159
492	3	Biased	56.089	56.192	0.1034
493	3	Biased	54.423	54.394	-0.0289
494	3	Biased	53.772	53.694	-0.0779
495	3	Biased	54.544	54.614	0.0701
496	3	Biased	53.697	53.653	-0.0441
497	3	Unbiased	56.947	56.983	0.0357
498	3	Unbiased	51.276	51.163	-0.1126
499	3	Unbiased	58.663	58.666	0.0031
500	3	Unbiased	55.522	55.579	0.0565
502	3	Unbiased	53.507	53.502	-0.0051

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	56.452	56.982	57.945	0.83499	56.384	56.944	57.974	0.89328	-0.0759	-0.038067	0.0296	0.058737
3	51.276	54.844	58.663	2.0621	51.163	54.844	58.666	2.1053	-0.1126	2e-05	0.1034	0.068016
10	53.124	56.423	61.241	2.4211	53.259	56.496	61.421	2.4196	-0.3257	0.07217	0.2688	0.17074
30	47.217	55.603	61.447	3.8846	47.642	56.106	61.503	3.8487	0.0565	0.50339	0.7324	0.18779
50	50.918	55.235	57.247	2.0915	51.588	55.893	57.988	2.0788	0.2342	0.65763	1.0747	0.27219
100	51.668	56.179	62.42	2.9817	53.174	57.664	64.266	3.1162	0.7519	1.4851	2.0531	0.42505

Device Test: 24.114 T_FAULT_DELAY(TIMING|DELAY/FAULT/12//511k//@T_FAULT_DELAY)





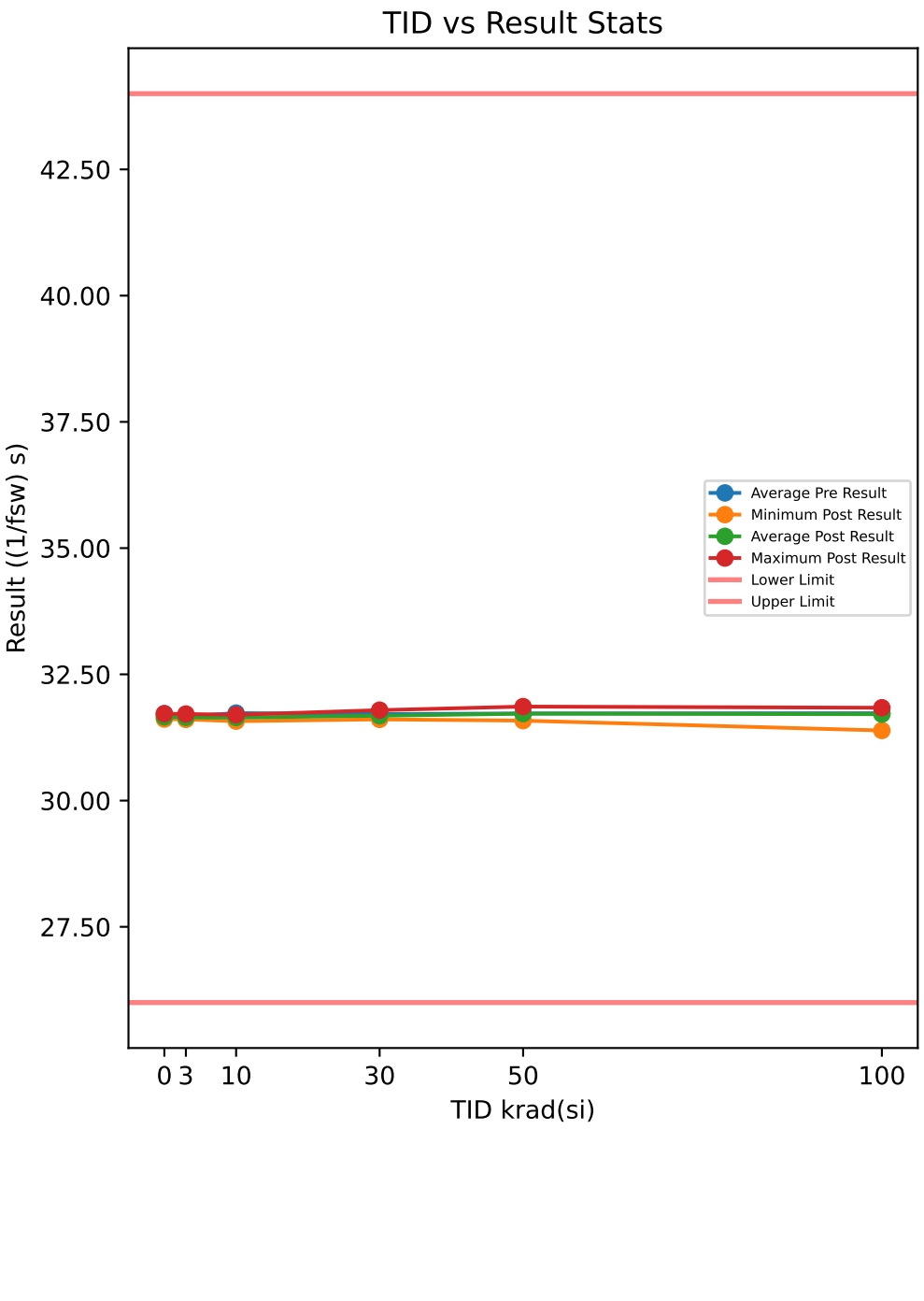
Test Results (Lower Limit = 26.0, Upper Limit = 44.0 ((1/fsw) s))

Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
390	100	Biased	31.412	31.49	0.0781
392	100	Biased	31.502	31.494	-0.0081
393	100	Biased	31.404	31.534	0.1294
394	100	Biased	31.462	31.544	0.0816
395	100	Biased	31.434	31.45	0.0166
412	100	Unbiased	31.442	31.465	0.0225
413	100	Unbiased	31.432	31.007	-0.4251
414	100	Unbiased	31.469	31.482	0.0125
415	100	Unbiased	31.502	31.55	0.0486
416	100	Unbiased	31.436	31.48	0.0444
417	50	Biased	31.489	31.534	0.0445
418	50	Biased	31.497	31.485	-0.0116
419	50	Biased	31.483	31.477	-0.0057
421	50	Biased	31.428	31.482	0.054
422	50	Biased	31.451	31.479	0.0282
423	50	Unbiased	31.468	31.48	0.0114
424	50	Unbiased	31.483	31.468	-0.0154
425	50	Unbiased	31.454	31.47	0.0155
426	50	Unbiased	31.438	31.498	0.0595
427	50	Unbiased	31.491	31.48	-0.0116
463	0	Corr	31.478	31.473	-0.0051
464	0	Corr	31.479	31.501	0.0224
465	0	Corr	31.426	31.492	0.0658
466	30	Biased	31.496	31.5	0.0037
469	30	Biased	31.444	31.432	-0.0122
470	30	Biased	31.411	31.452	0.041
472	30	Biased	31.422	31.484	0.0615
474	30	Biased	31.488	31.51	0.0217
475	30	Unbiased	31.511	31.507	-0.0036
477	30	Unbiased	31.504	31.519	0.0149
478	30	Unbiased	31.484	31.517	0.0324
479	30	Unbiased	31.468	31.506	0.0377
480	30	Unbiased	31.47	31.485	0.015
481	10	Biased	31.424	31.547	0.1228
482	10	Biased	31.441	31.502	0.0613
483	10	Biased	31.427	31.482	0.0544
484	10	Biased	31.481	31.523	0.0416
485	10	Biased	31.435	31.497	0.0622
487	10	Unbiased	31.458	31.475	0.0167
488	10	Unbiased	31.527	31.514	-0.0132
489	10	Unbiased	31.487	31.473	-0.0144
490	10	Unbiased	31.388	31.485	0.0967
491	10	Unbiased	31.419	31.481	0.0619
492	3	Biased	31.439	31.495	0.0557
493	3	Biased	31.477	31.499	0.0213
494	3	Biased	31.474	31.473	-0.0007
495	3	Biased	31.419	31.483	0.0649
496	3	Biased	31.473	31.482	0.0088
497	3	Unbiased	31.46	31.48	0.0192
498	3	Unbiased	31.368	31.487	0.1191
499	3	Unbiased	31.435	31.477	0.0413
500	3	Unbiased	31.465	31.469	0.0042
502	3	Unbiased	31.442	31.479	0.0363

Test Statistics ((1/fsw) s)

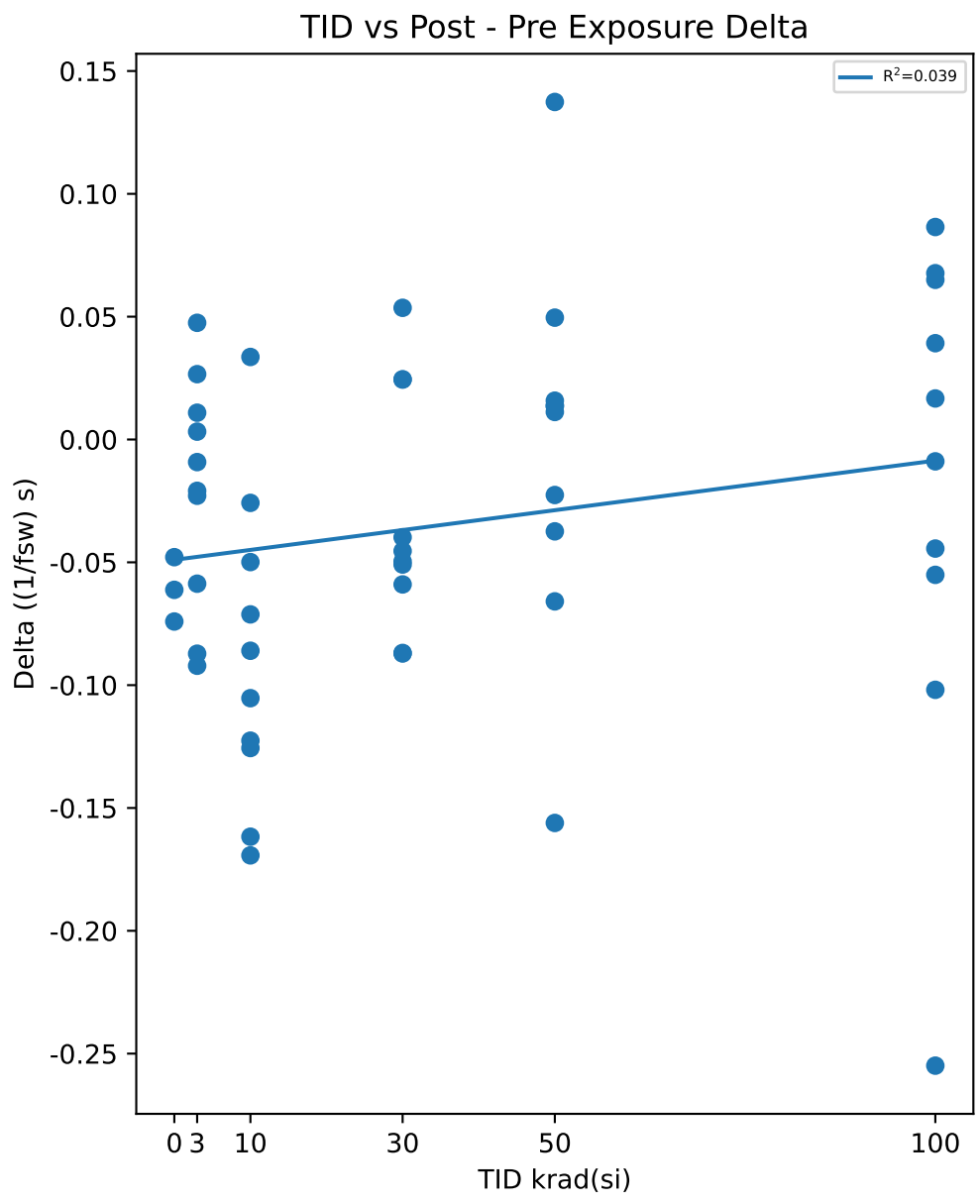
krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	31.426	31.461	31.479	0.029943	31.473	31.489	31.501	0.014722	-0.0051	0.0277	0.0658	0.035746
3	31.368	31.445	31.477	0.033393	31.469	31.482	31.499	0.0092446	-0.0007	0.03701	0.1191	0.036122
10	31.388	31.449	31.527	0.040238	31.473	31.498	31.547	0.023993	-0.0144	0.049	0.1228	0.043753
30	31.411	31.47	31.511	0.034131	31.432	31.491	31.519	0.028843	-0.0122	0.02121	0.0615	0.022433
50	31.428	31.468	31.497	0.024122	31.468	31.485	31.534	0.018959	-0.0154	0.01688	0.0595	0.028463
100	31.404	31.45	31.502	0.033838	31.007	31.45	31.55	0.15915	-0.4251	5e-05	0.1294	0.15476

Device Test: 24.116 T_FAULT_DELAY(TIMING|DELAY/FAULT/12//90.9k//@T_FAULT_DELAY)



Test Results (Lower Limit = 26.0, Upper Limit = 44.0 ((1/fsw) s))

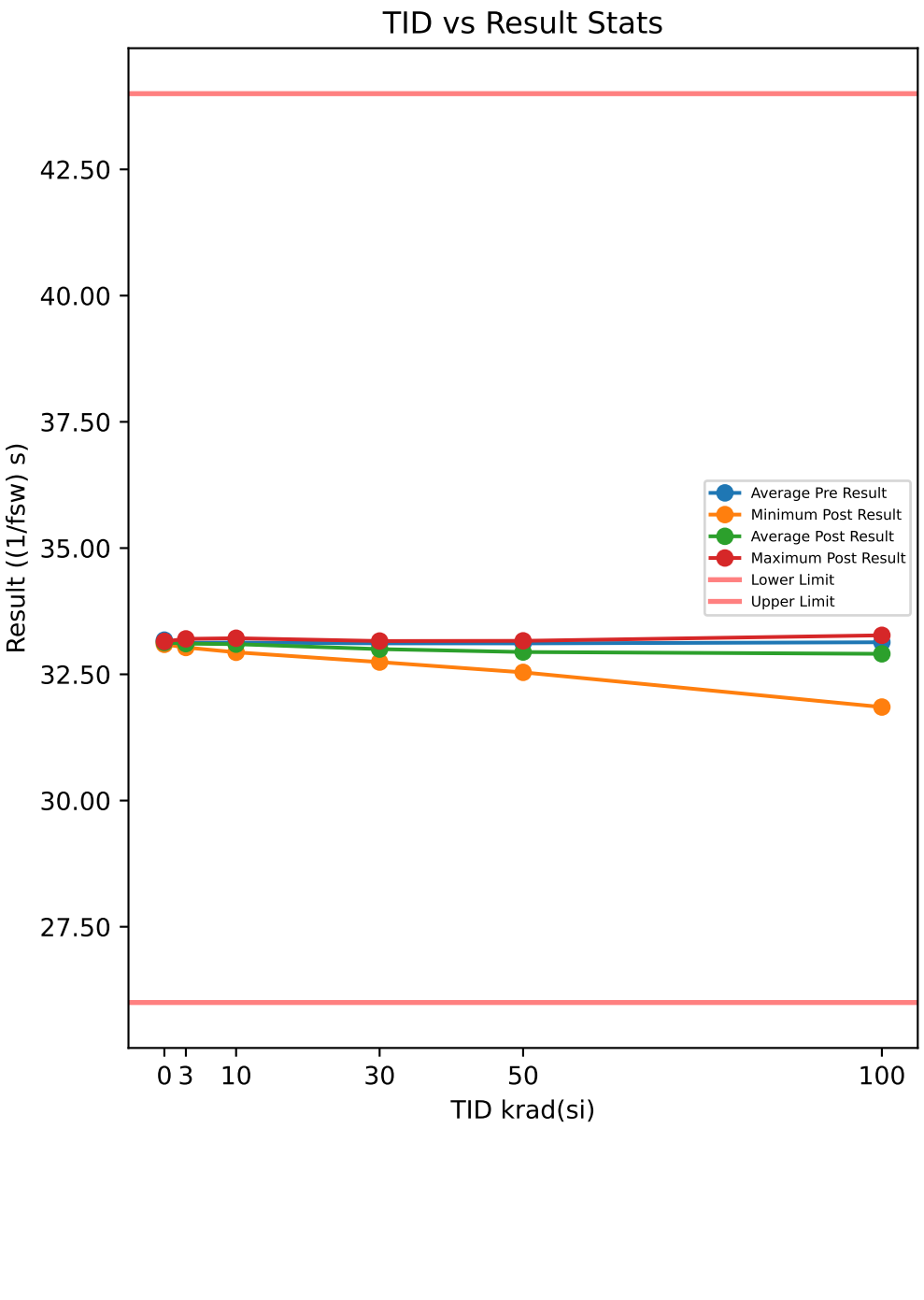
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
390	100	Biased	31.681	31.749	0.0677
392	100	Biased	31.711	31.776	0.065
393	100	Biased	31.693	31.78	0.0865
394	100	Biased	31.761	31.752	-0.0089
395	100	Biased	31.689	31.728	0.0392
412	100	Unbiased	31.756	31.701	-0.0551
413	100	Unbiased	31.643	31.388	-0.2549
414	100	Unbiased	31.773	31.672	-0.1019
415	100	Unbiased	31.822	31.838	0.0167
416	100	Unbiased	31.772	31.727	-0.0444
417	50	Biased	31.724	31.862	0.1374
418	50	Biased	31.728	31.741	0.0137
419	50	Biased	31.814	31.748	-0.0659
421	50	Biased	31.68	31.729	0.0496
422	50	Biased	31.657	31.668	0.0112
423	50	Unbiased	31.764	31.726	-0.0374
424	50	Unbiased	31.74	31.584	-0.1561
425	50	Unbiased	31.744	31.722	-0.0226
426	50	Unbiased	31.691	31.705	0.0137
427	50	Unbiased	31.714	31.729	0.0158
463	0	Corr	31.687	31.639	-0.0479
464	0	Corr	31.795	31.721	-0.0741
465	0	Corr	31.676	31.615	-0.0612
466	30	Biased	31.766	31.791	0.0244
469	30	Biased	31.697	31.721	0.0245
470	30	Biased	31.619	31.672	0.0536
472	30	Biased	31.663	31.612	-0.0509
474	30	Biased	31.774	31.734	-0.0398
475	30	Unbiased	31.775	31.716	-0.059
477	30	Unbiased	31.693	31.648	-0.0454
478	30	Unbiased	31.736	31.649	-0.0871
479	30	Unbiased	31.658	31.608	-0.0496
480	30	Unbiased	31.738	31.651	-0.0869
481	10	Biased	31.765	31.604	-0.1617
482	10	Biased	31.685	31.636	-0.0499
483	10	Biased	31.627	31.601	-0.0258
484	10	Biased	31.762	31.691	-0.0712
485	10	Biased	31.665	31.699	0.0336
487	10	Unbiased	31.743	31.657	-0.086
488	10	Unbiased	31.746	31.62	-0.1256
489	10	Unbiased	31.743	31.573	-0.1693
490	10	Unbiased	31.804	31.681	-0.1226
491	10	Unbiased	31.784	31.679	-0.1053
492	3	Biased	31.616	31.627	0.0109
493	3	Biased	31.66	31.651	-0.0092
494	3	Biased	31.735	31.714	-0.0209
495	3	Biased	31.604	31.608	0.0032
496	3	Biased	31.756	31.669	-0.0872
497	3	Unbiased	31.705	31.646	-0.0587
498	3	Unbiased	31.589	31.615	0.0266
499	3	Unbiased	31.669	31.646	-0.0229
500	3	Unbiased	31.744	31.652	-0.0921
502	3	Unbiased	31.609	31.657	0.0475

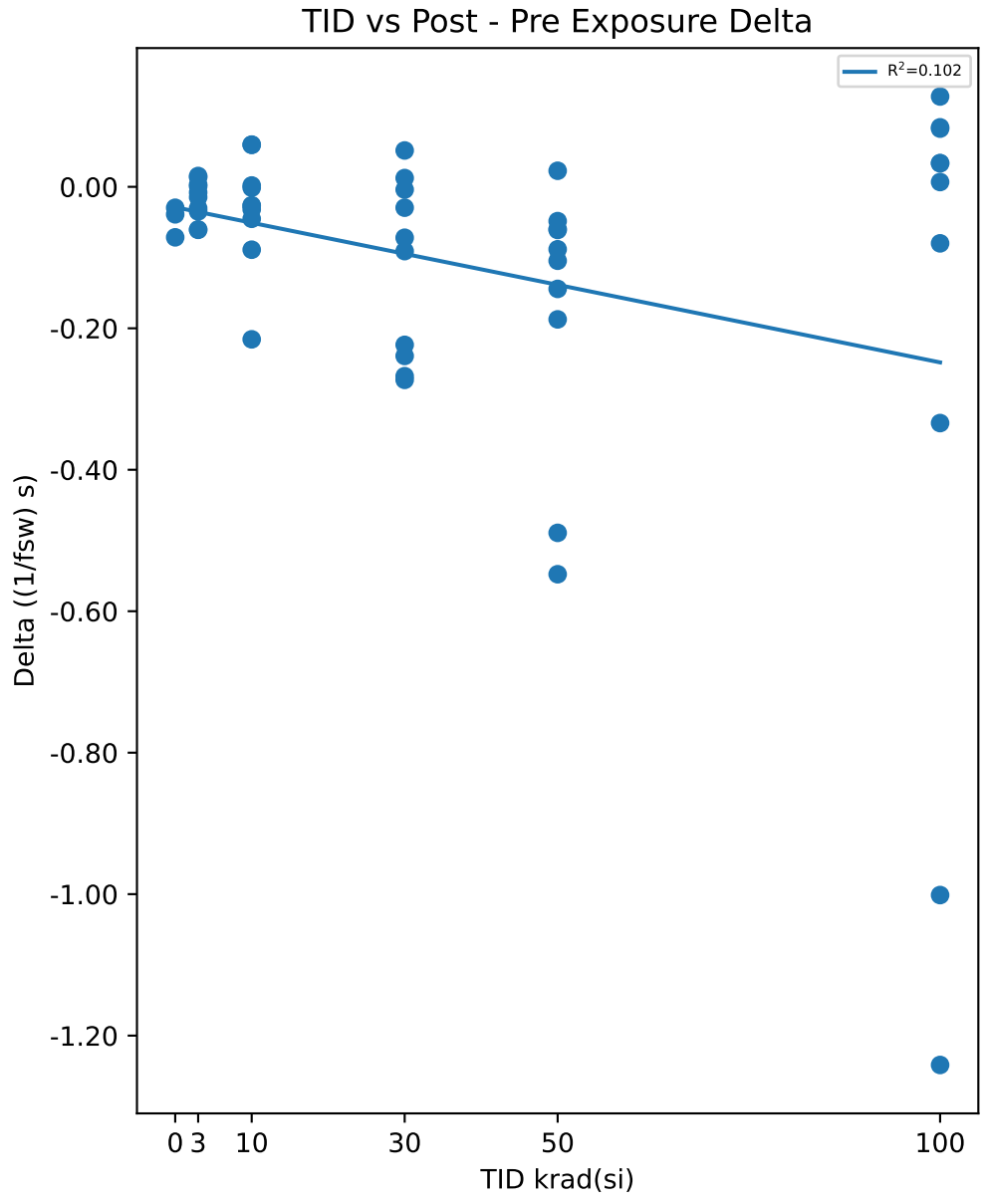


Test Statistics ((1/fsw) s)

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	31.676	31.719	31.795	0.065547	31.615	31.658	31.721	0.055405	-0.0741	-0.061067	-0.0479	0.013101
3	31.589	31.669	31.756	0.06323	31.608	31.648	31.714	0.029997	-0.0921	-0.02028	0.0475	0.046616
10	31.627	31.732	31.804	0.05572	31.573	31.644	31.699	0.043494	-0.1693	-0.08838	0.0336	0.062666
30	31.619	31.712	31.775	0.05445	31.608	31.68	31.791	0.05856	-0.0871	-0.03162	0.0536	0.048746
50	31.657	31.725	31.814	0.044826	31.584	31.721	31.862	0.069197	-0.1561	-0.00406	0.1374	0.076408
100	31.643	31.73	31.822	0.054756	31.388	31.711	31.838	0.12227	-0.2549	-0.01901	0.0865	0.10271

Device Test: 24.118 T_FAULT_DELAY(TIMING|DELAY/FAULT/12//34.8k//@T_FAULT_DELAY)





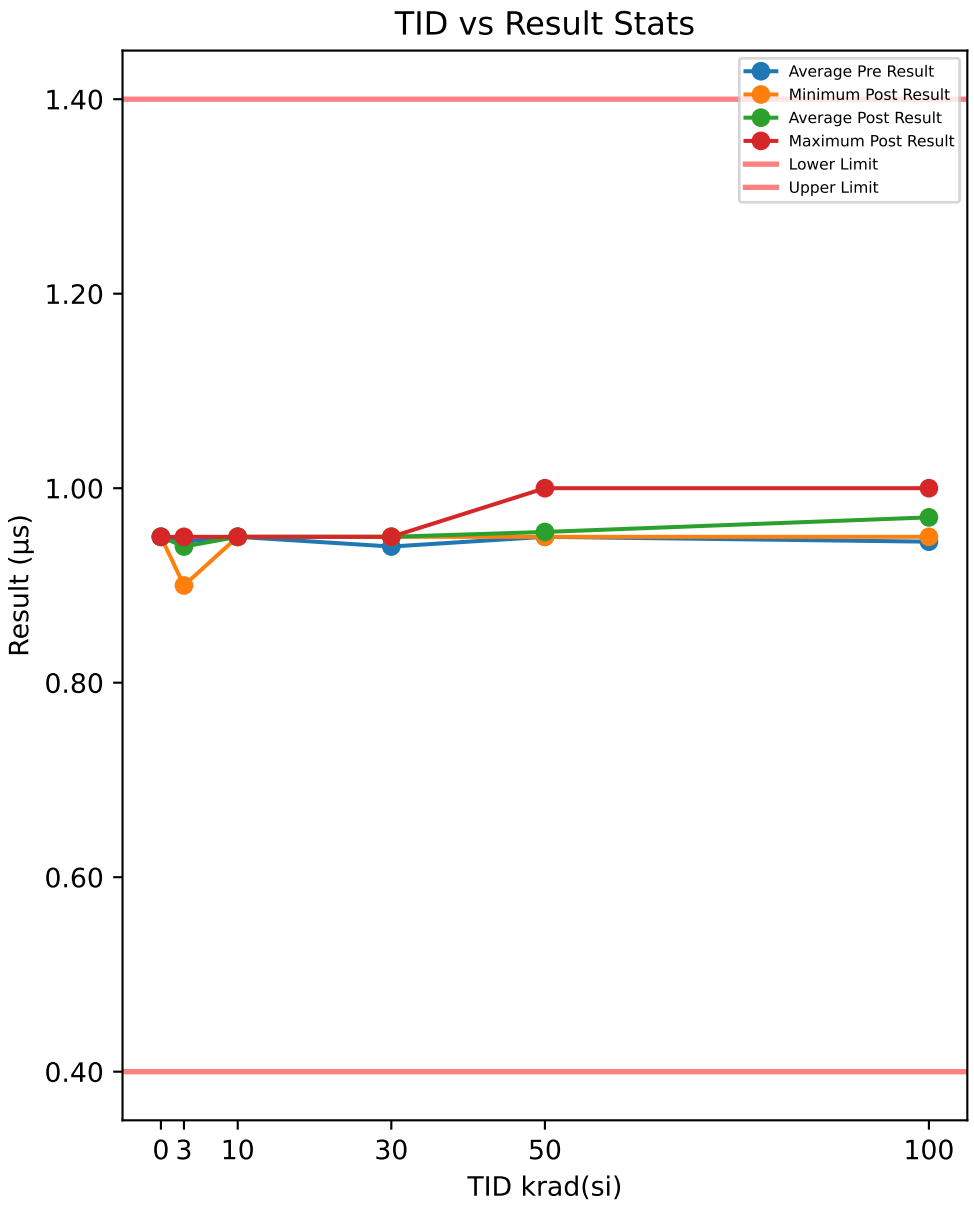
Test Results (Lower Limit = 26.0, Upper Limit = 44.0 ((1/fsw) s))

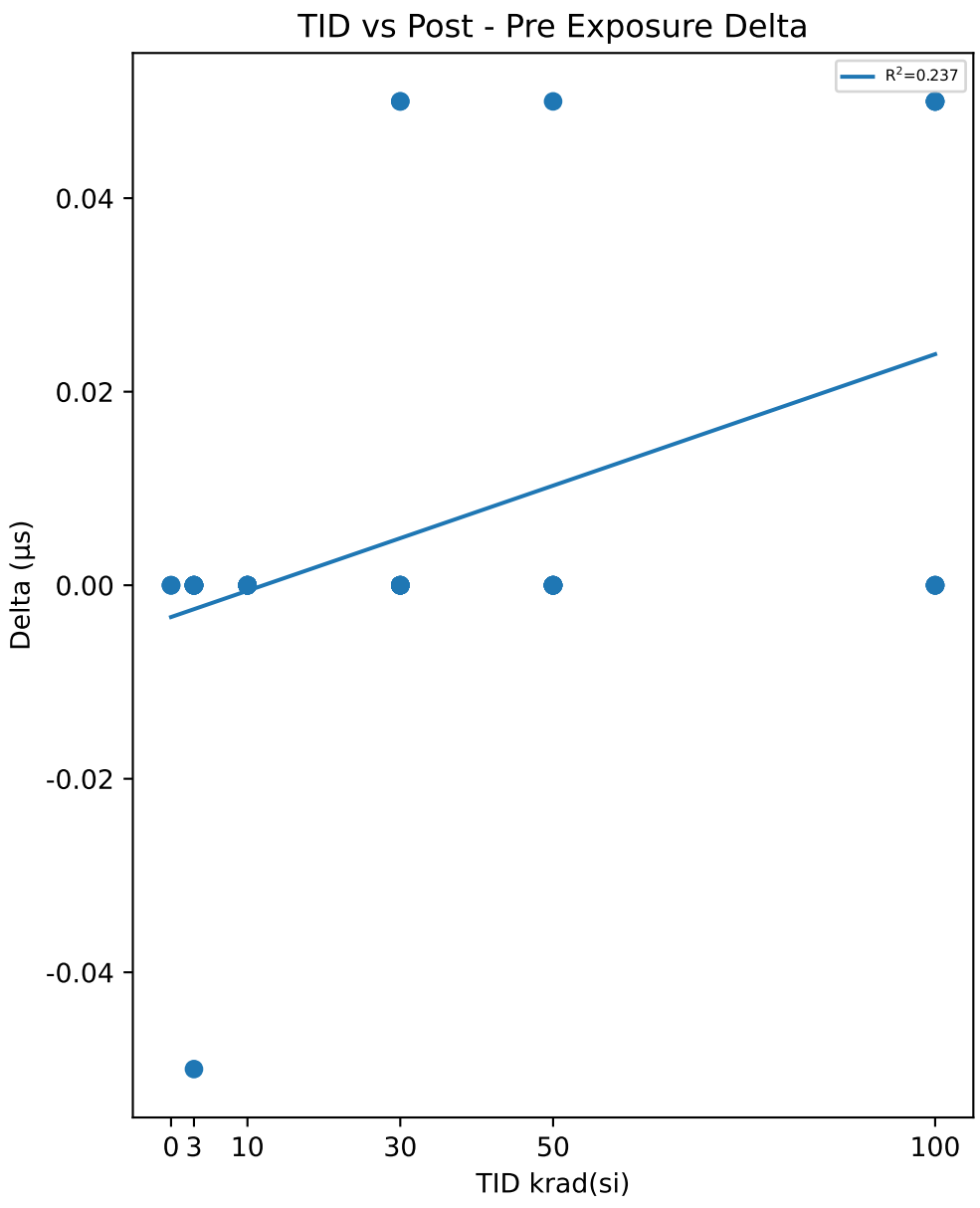
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
390	100	Biased	33.158	32.157	-1.0013
392	100	Biased	33.146	33.179	0.0334
393	100	Biased	33.165	33.085	-0.0799
394	100	Biased	32.877	33.004	0.1277
395	100	Biased	33.093	31.852	-1.2415
412	100	Unbiased	33.163	33.17	0.0068
413	100	Unbiased	33.227	32.893	-0.334
414	100	Unbiased	33.144	33.226	0.0823
415	100	Unbiased	33.188	33.272	0.0841
416	100	Unbiased	33.187	33.22	0.0334
417	50	Biased	33.086	32.539	-0.5477
418	50	Biased	33.034	32.985	-0.0485
419	50	Biased	33.183	33.078	-0.1045
421	50	Biased	33.071	32.927	-0.1443
422	50	Biased	33.14	33.163	0.0227
423	50	Unbiased	33.176	33.116	-0.0598
424	50	Unbiased	33.15	32.962	-0.1874
425	50	Unbiased	33.101	33.013	-0.0883
426	50	Unbiased	33.113	32.624	-0.4892
427	50	Unbiased	33.07	33.009	-0.061
463	0	Corr	33.133	33.094	-0.0389
464	0	Corr	33.217	33.146	-0.0714
465	0	Corr	33.181	33.152	-0.0296
466	30	Biased	33.015	32.742	-0.2729
469	30	Biased	33.219	32.98	-0.2391
470	30	Biased	33.163	33.159	-0.0039
472	30	Biased	33.023	32.932	-0.0909
474	30	Biased	33.174	32.906	-0.2677
475	30	Unbiased	33.048	33.06	0.0124
477	30	Unbiased	33.127	33.097	-0.0295
478	30	Unbiased	33.091	33.143	0.0514
479	30	Unbiased	33.068	32.996	-0.072
480	30	Unbiased	33.202	32.979	-0.2234
481	10	Biased	33.182	33.15	-0.0319
482	10	Biased	33.152	32.936	-0.2156
483	10	Biased	33.15	33.148	-0.0013
484	10	Biased	33.134	33.045	-0.0889
485	10	Biased	33.114	33.087	-0.027
487	10	Unbiased	32.946	32.948	0.0019
488	10	Unbiased	33.183	33.138	-0.0452
489	10	Unbiased	33.155	33.215	0.0597
490	10	Unbiased	33.102	33.161	0.0593
491	10	Unbiased	33.171	33.145	-0.0261
492	3	Biased	33.07	33.084	0.0137
493	3	Biased	33.21	33.202	-0.008
494	3	Biased	33.184	33.124	-0.0603
495	3	Biased	33.076	33.041	-0.0348
496	3	Biased	33.136	33.151	0.0153
497	3	Unbiased	33.166	33.151	-0.0147
498	3	Unbiased	33.092	33.031	-0.0608
499	3	Unbiased	33.137	33.14	0.0032
500	3	Unbiased	33.072	33.073	0.0008
502	3	Unbiased	33.107	33.077	-0.0302

Test Statistics ((1/fsw) s)

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	33.133	33.177	33.217	0.042424	33.094	33.13	33.152	0.031963	-0.0714	-0.046633	-0.0296	0.021947
3	33.07	33.125	33.21	0.049817	33.031	33.107	33.202	0.054796	-0.0608	-0.01758	0.0153	0.028044
10	32.946	33.129	33.183	0.069584	32.936	33.097	33.215	0.09333	-0.2156	-0.03151	0.0597	0.078891
30	33.015	33.113	33.219	0.074488	32.742	32.999	33.159	0.12454	-0.2729	-0.11356	0.0514	0.12534
50	33.034	33.112	33.183	0.049032	32.539	32.942	33.163	0.20371	-0.5477	-0.1708	0.0227	0.19218
100	32.877	33.135	33.227	0.097165	31.852	32.906	33.272	0.49375	-1.2415	-0.2289	0.1277	0.49107

Device Test: 24.119 T_FAULT_MIN(TIMING|MINON/FAULT/12//511k//@T_FAULT_MIN)





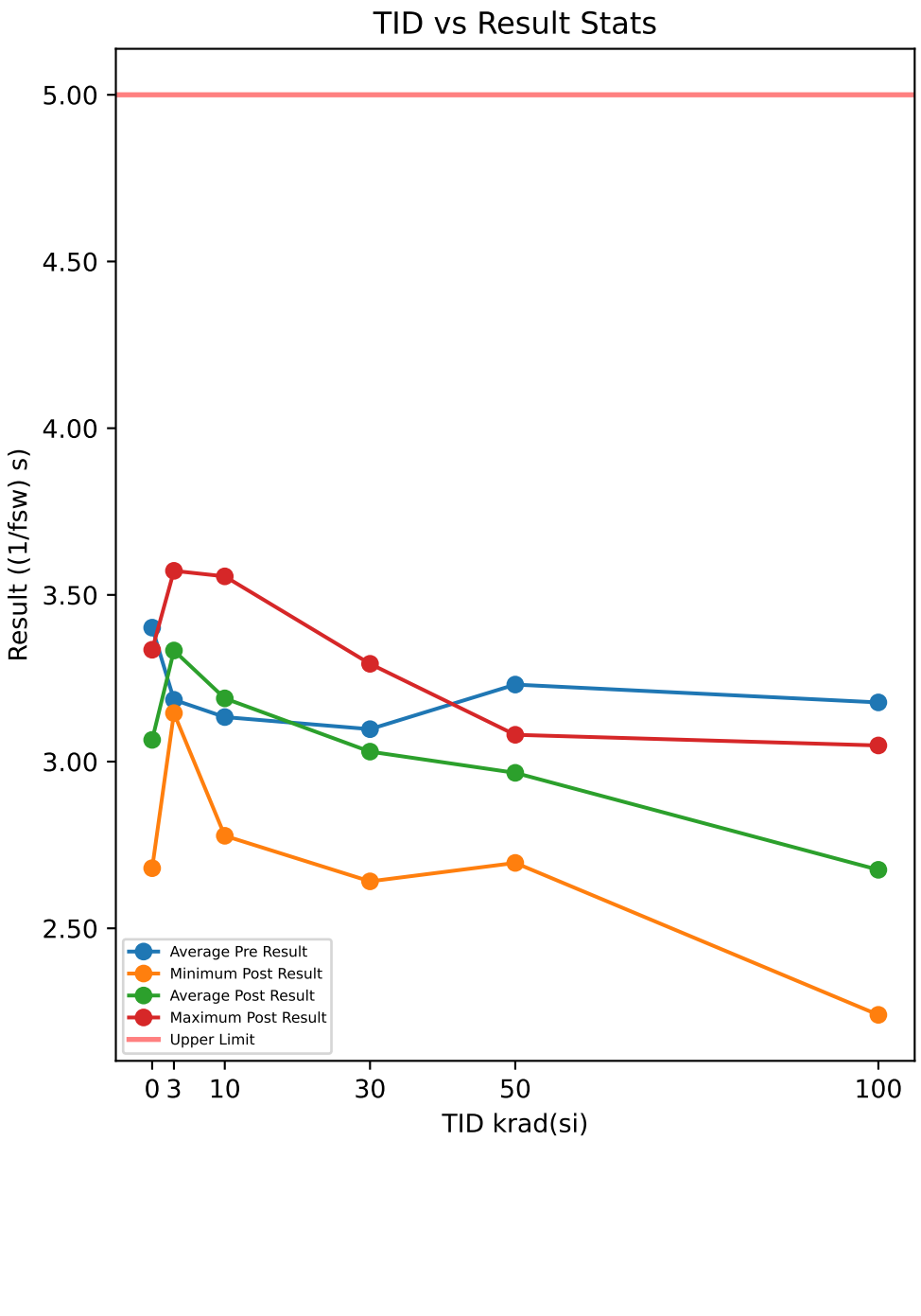
Test Results (Lower Limit = 0.4, Upper Limit = 1.4 (µs))

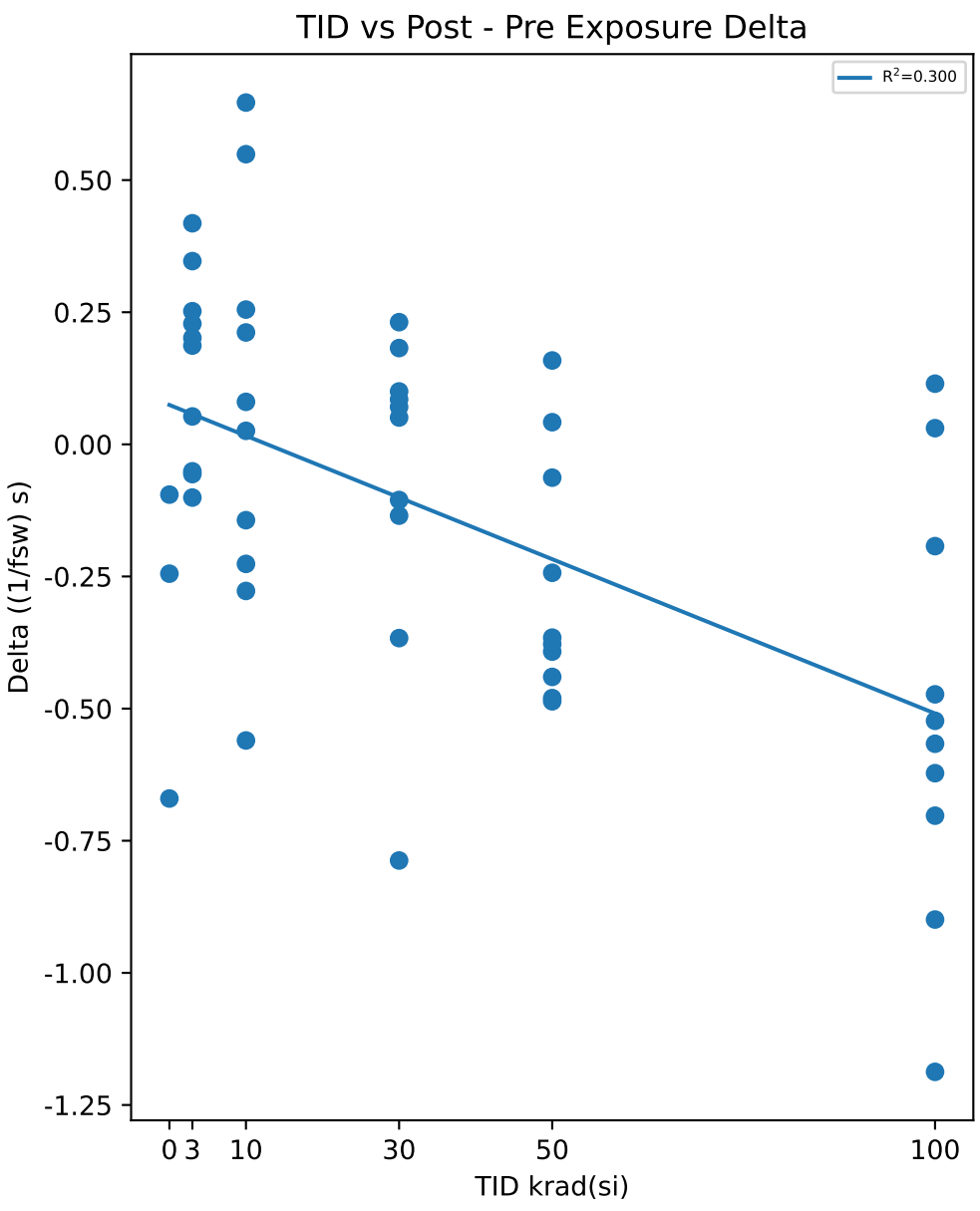
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
390	100	Biased	0.9	0.95	0.05
392	100	Biased	0.95	0.95	0
393	100	Biased	0.95	0.95	0
394	100	Biased	0.95	0.95	0
395	100	Biased	0.95	0.95	0
412	100	Unbiased	0.95	1	0.05
413	100	Unbiased	0.95	1	0.05
414	100	Unbiased	0.95	0.95	0
415	100	Unbiased	0.95	1	0.05
416	100	Unbiased	0.95	1	0.05
417	50	Biased	0.9	0.95	0.05
418	50	Biased	0.95	0.95	0
419	50	Biased	0.95	0.95	0
421	50	Biased	0.95	0.95	0
422	50	Biased	0.95	0.95	0
423	50	Unbiased	0.95	0.95	0
424	50	Unbiased	1	1	0
425	50	Unbiased	0.95	0.95	0
426	50	Unbiased	0.95	0.95	0
427	50	Unbiased	0.95	0.95	0
463	0	Corr	0.95	0.95	0
464	0	Corr	0.95	0.95	0
465	0	Corr	0.95	0.95	0
466	30	Biased	0.95	0.95	0
469	30	Biased	0.95	0.95	0
470	30	Biased	0.95	0.95	0
472	30	Biased	0.9	0.95	0.05
474	30	Biased	0.95	0.95	0
475	30	Unbiased	0.95	0.95	0
477	30	Unbiased	0.95	0.95	0
478	30	Unbiased	0.9	0.95	0.05
479	30	Unbiased	0.95	0.95	0
480	30	Unbiased	0.95	0.95	0
481	10	Biased	0.95	0.95	0
482	10	Biased	0.95	0.95	0
483	10	Biased	0.95	0.95	0
484	10	Biased	0.95	0.95	0
485	10	Biased	0.95	0.95	0
487	10	Unbiased	0.95	0.95	0
488	10	Unbiased	0.95	0.95	0
489	10	Unbiased	0.95	0.95	0
490	10	Unbiased	0.95	0.95	0
491	10	Unbiased	0.95	0.95	0
492	3	Biased	0.95	0.95	0
493	3	Biased	0.95	0.95	0
494	3	Biased	0.95	0.95	0
495	3	Biased	0.95	0.95	0
496	3	Biased	0.9	0.9	0
497	3	Unbiased	0.95	0.95	0
498	3	Unbiased	0.95	0.9	-0.05
499	3	Unbiased	0.95	0.95	0
500	3	Unbiased	0.95	0.95	0
502	3	Unbiased	0.95	0.95	0

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	0.95	0.95	0.95	0	0.95	0.95	0.95	0	0	0	0	0
3	0.9	0.945	0.95	0.015811	0.9	0.94	0.95	0.021082	-0.05	-0.005	0	0.015811
10	0.95	0.95	0.95	0	0.95	0.95	0.95	0	0	0	0	0
30	0.9	0.94	0.95	0.021082	0.95	0.95	0.95	0	0	0.01	0.05	0.021082
50	0.9	0.95	1	0.02357	0.95	0.955	1	0.015811	0	0.005	0.05	0.015811
100	0.9	0.945	0.95	0.015811	0.95	0.97	1	0.02582	0	0.025	0.05	0.026352

Device Test: 24.12 T_CLOCK_DET(TIMING|CLKDETECT/SYNC1/4.5//511k//@T_CLOCK_DET)





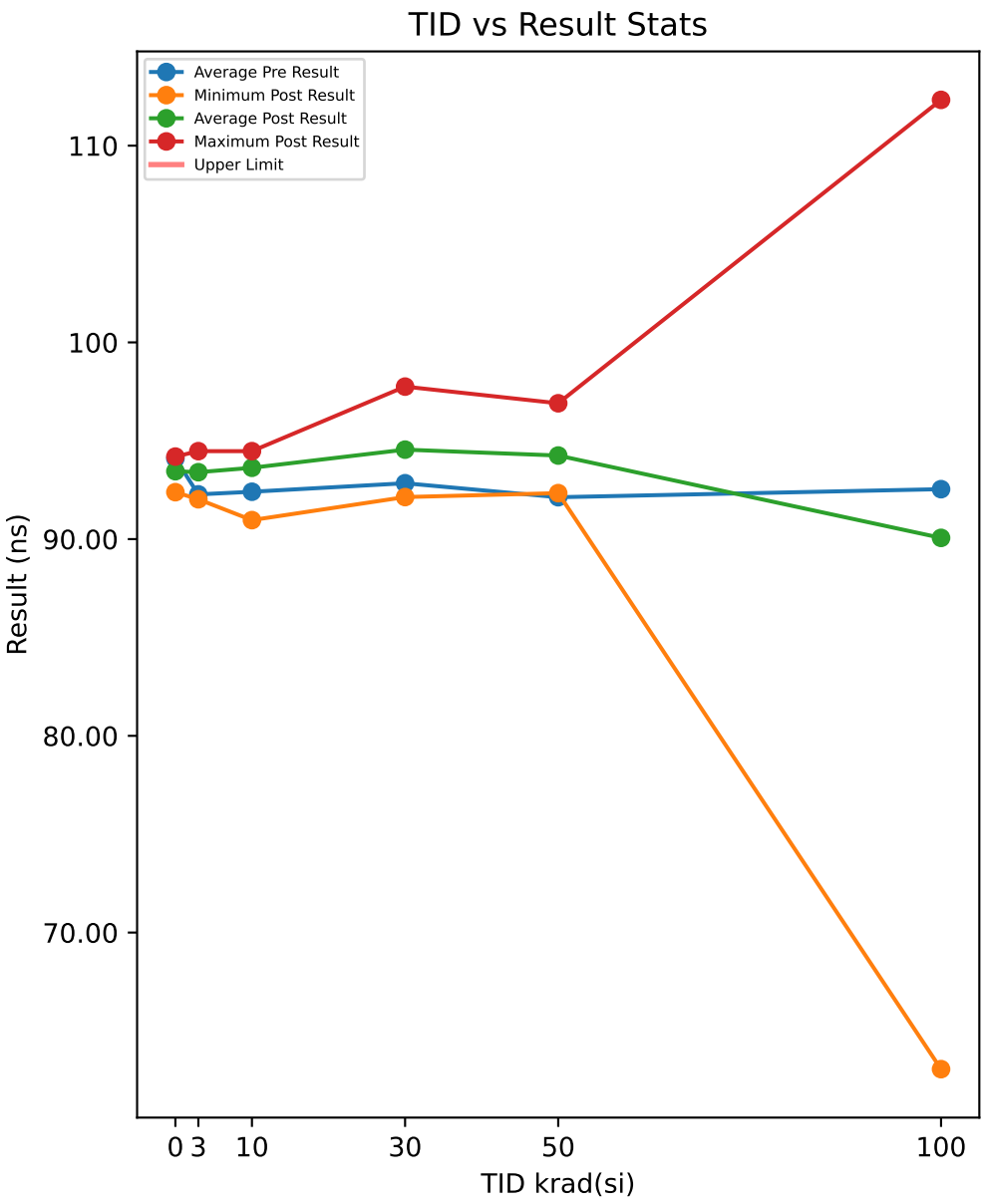
Test Results (Upper Limit = 5.0 ((1/fsw) s))

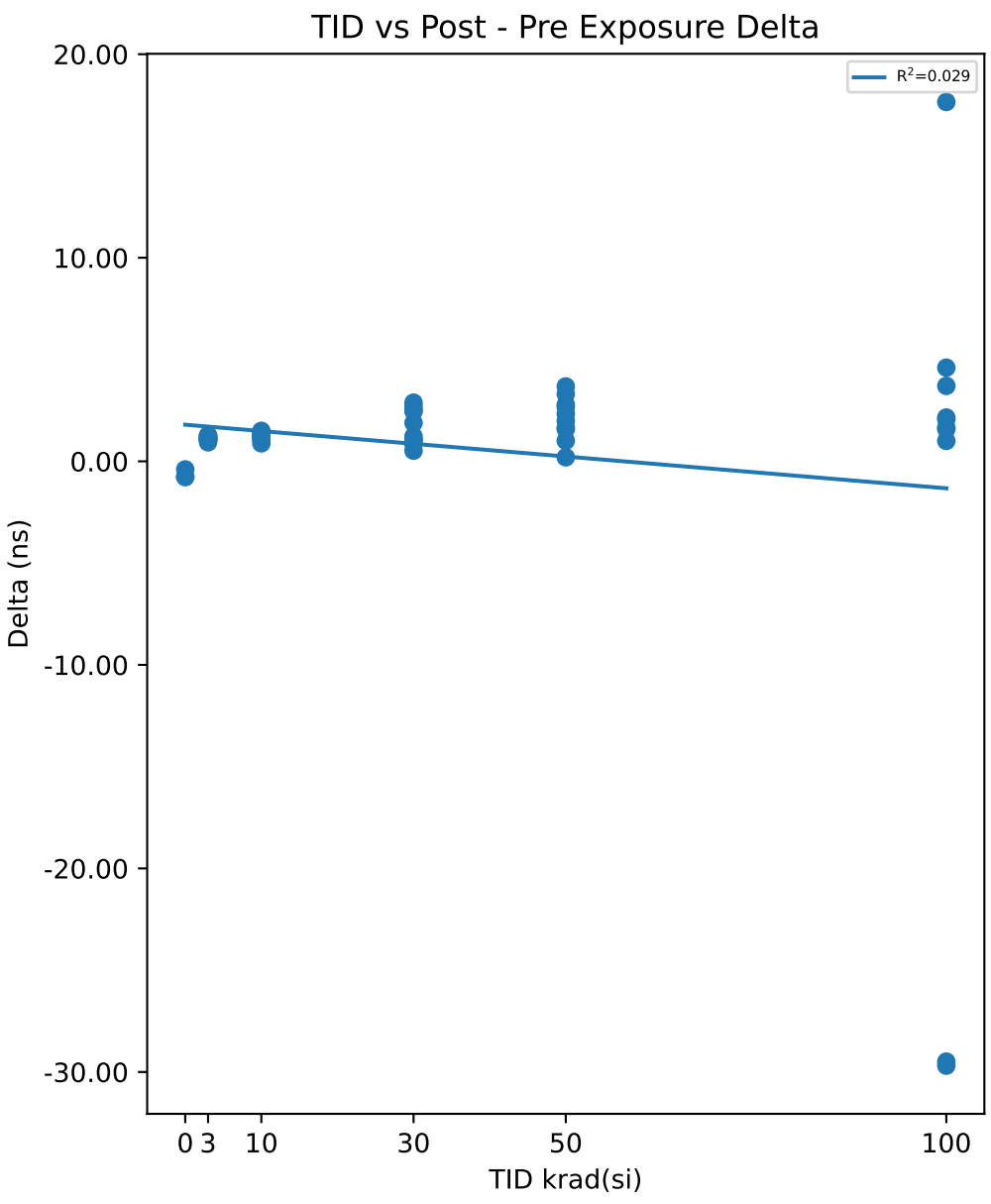
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
390	100	Biased	3.3414	2.6388	-0.7026
392	100	Biased	3.4277	2.2404	-1.1873
393	100	Biased	3.2899	2.3908	-0.8991
394	100	Biased	3.1302	2.6071	-0.5231
395	100	Biased	3.227	2.6605	-0.5665
412	100	Unbiased	3.241	3.0484	-0.1926
413	100	Unbiased	3.4826	2.8604	-0.6222
414	100	Unbiased	2.767	2.8818	0.1148
415	100	Unbiased	2.6848	2.7154	0.0306
416	100	Unbiased	3.1836	2.7106	-0.473
417	50	Biased	3.3765	2.9986	-0.3779
418	50	Biased	3.2208	2.9778	-0.243
419	50	Biased	3.3489	2.9089	-0.44
421	50	Biased	3.0883	2.6961	-0.3922
422	50	Biased	2.9001	2.942	0.0419
423	50	Unbiased	3.4919	3.0118	-0.4801
424	50	Unbiased	3.4402	2.954	-0.4862
425	50	Unbiased	3.4461	3.0804	-0.3657
426	50	Unbiased	2.8979	3.0566	0.1587
427	50	Unbiased	3.0996	3.0366	-0.063
463	0	Corr	3.2747	3.1796	-0.0951
464	0	Corr	3.3504	2.6803	-0.6701
465	0	Corr	3.5802	3.3355	-0.2447
466	30	Biased	3.4282	2.6408	-0.7874
469	30	Biased	2.8607	3.0429	0.1822
470	30	Biased	2.8263	2.9114	0.0851
472	30	Biased	3.476	3.1094	-0.3666
474	30	Biased	2.6551	2.8863	0.2312
475	30	Unbiased	3.2365	3.1312	-0.1053
477	30	Unbiased	3.0565	2.9216	-0.1349
478	30	Unbiased	3.04	3.1108	0.0708
479	30	Unbiased	3.2003	3.2511	0.0508
480	30	Unbiased	3.1932	3.2933	0.1001
481	10	Biased	3.3006	3.5556	0.255
482	10	Biased	3.3244	3.1809	-0.1435
483	10	Biased	3.3285	3.4089	0.0804
484	10	Biased	3.2901	3.0639	-0.2262
485	10	Biased	3.2284	3.4401	0.2117
487	10	Unbiased	2.5428	3.1895	0.6467
488	10	Unbiased	3.241	2.9636	-0.2774
489	10	Unbiased	3.1287	3.1543	0.0256
490	10	Unbiased	3.3378	2.7775	-0.5603
491	10	Unbiased	2.6134	3.1624	0.549
492	3	Biased	3.1173	3.3188	0.2015
493	3	Biased	2.8116	3.2299	0.4183
494	3	Biased	3.2017	3.1454	-0.0563
495	3	Biased	3.2102	3.4621	0.2519
496	3	Biased	3.2891	3.3419	0.0528
497	3	Unbiased	3.2373	3.1863	-0.051
498	3	Unbiased	3.2255	3.5722	0.3467
499	3	Unbiased	3.159	3.3459	0.1869
500	3	Unbiased	3.2501	3.4784	0.2283
502	3	Unbiased	3.352	3.2513	-0.1007

Test Statistics ((1/fsw) s)

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	3.2747	3.4018	3.5802	0.1591	2.6803	3.0651	3.3355	0.34227	-0.6701	-0.33663	-0.0951	0.29832
3	2.8116	3.1854	3.352	0.14642	3.1454	3.3332	3.5722	0.13723	-0.1007	0.14784	0.4183	0.17839
10	2.5428	3.1336	3.3378	0.29975	2.7775	3.1897	3.5556	0.2318	-0.5603	0.0561	0.6467	0.37532
30	2.6551	3.0973	3.476	0.26289	2.6408	3.0299	3.2933	0.19419	-0.7874	-0.0674	0.2312	0.30727
50	2.8979	3.231	3.4919	0.22394	2.6961	2.9663	3.0804	0.10873	-0.4862	-0.26475	0.1587	0.23091
100	2.6848	3.1775	3.4826	0.26145	2.2404	2.6754	3.0484	0.23458	-1.1873	-0.5021	0.1148	0.40101

Device Test: 24.120 T_DEAD(TIMING|DELAY/SW/12//511k//@T_DEAD)





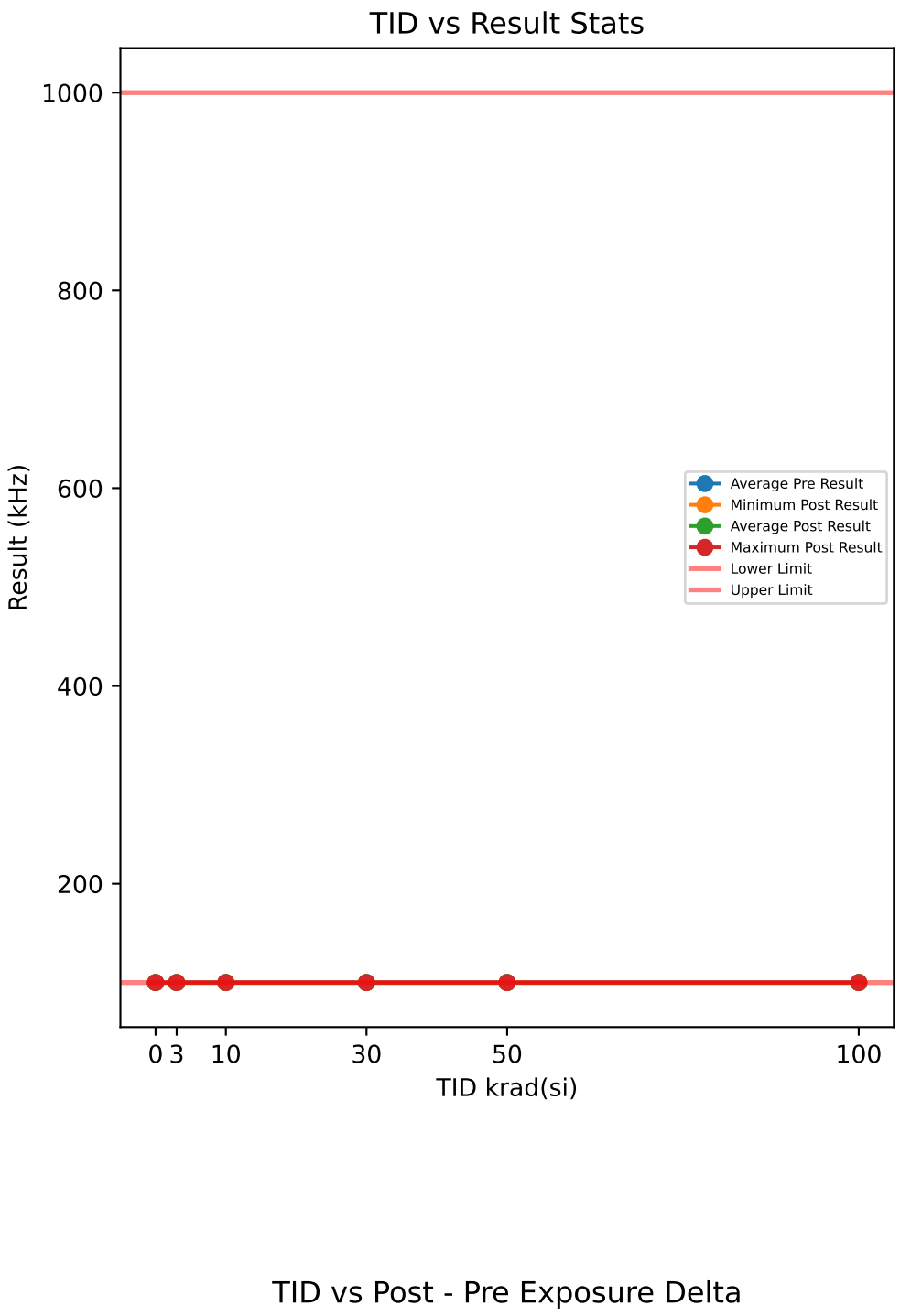
Test Results (No Limits Specified (ns))

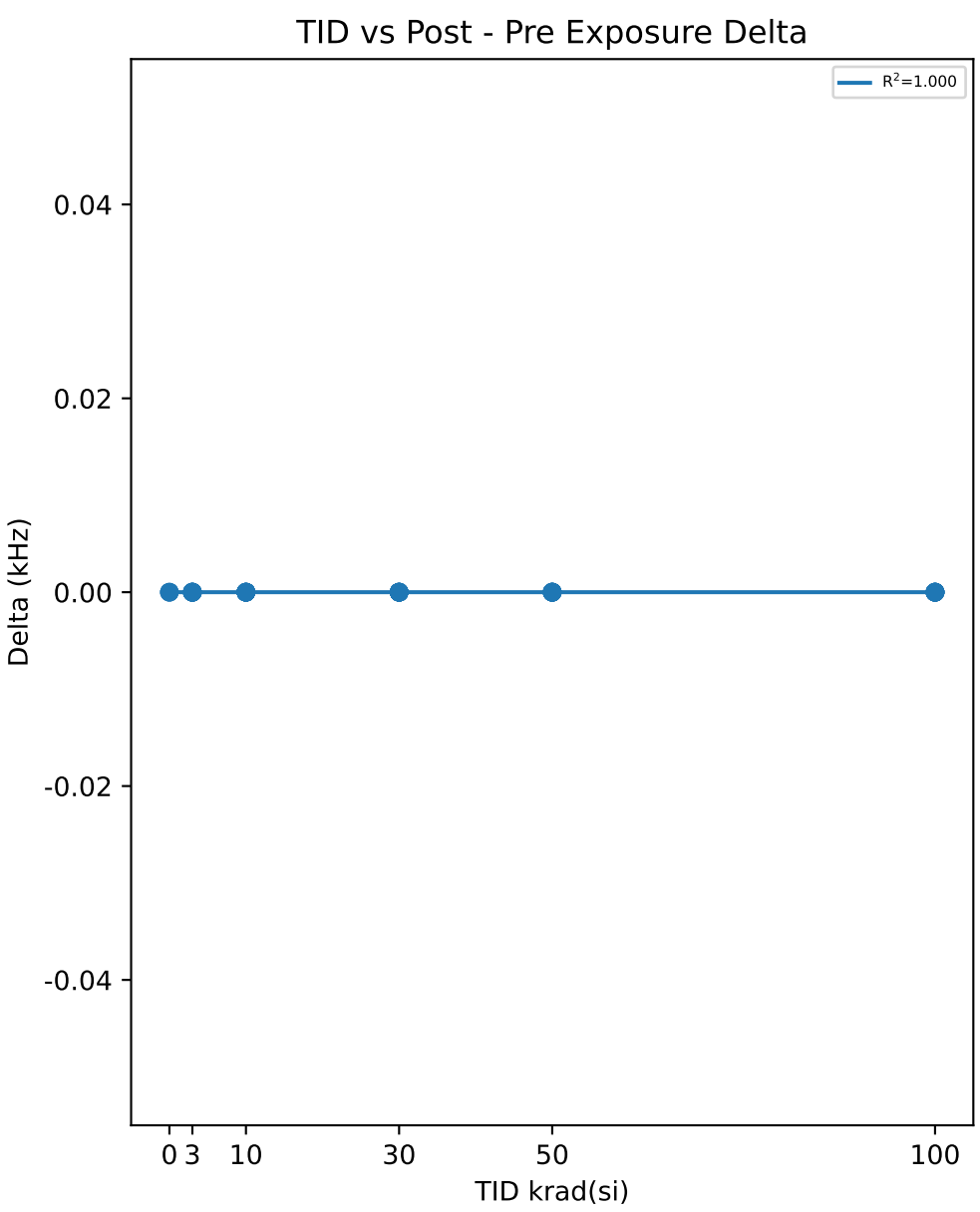
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
390	100	Biased	92.888	97.489	4.6003
392	100	Biased	92.548	63.057	-29.491
393	100	Biased	92.479	94.538	2.0592
394	100	Biased	93.165	63.476	-29.689
395	100	Biased	91.438	92.442	1.0038
412	100	Unbiased	91.522	93.105	1.5824
413	100	Unbiased	91.452	93.111	1.6593
414	100	Unbiased	93.183	96.889	3.7061
415	100	Unbiased	94.674	112.33	17.653
416	100	Unbiased	92.037	94.187	2.1494
417	50	Biased	93.598	96.905	3.3069
418	50	Biased	92.052	94.389	2.337
419	50	Biased	92.349	93.36	1.0107
421	50	Biased	90.728	92.718	1.9899
422	50	Biased	92.847	95.506	2.6592
423	50	Unbiased	91.13	92.71	1.5804
424	50	Unbiased	90.799	92.448	1.6489
425	50	Unbiased	92.139	92.337	0.1978
426	50	Unbiased	92.503	95.284	2.7807
427	50	Unbiased	93.148	96.826	3.6785
463	0	Corr	93.157	92.386	-0.7709
464	0	Corr	94.592	94.195	-0.3976
465	0	Corr	94.538	93.776	-0.7618
466	30	Biased	93.005	95.499	2.4938
469	30	Biased	91.604	92.618	1.0146
470	30	Biased	91.617	92.137	0.5203
472	30	Biased	91.667	92.5	0.8324
474	30	Biased	92.543	93.617	1.0735
475	30	Unbiased	95.062	97.752	2.6898
477	30	Unbiased	93.698	96.578	2.8803
478	30	Unbiased	93.55	96.014	2.4642
479	30	Unbiased	92.601	93.825	1.2238
480	30	Unbiased	93.051	94.94	1.8892
481	10	Biased	92.705	93.776	1.0715
482	10	Biased	92.427	93.923	1.496
483	10	Biased	90.081	90.965	0.8844
484	10	Biased	91.856	93.045	1.1888
485	10	Biased	93.208	94.471	1.2628
487	10	Unbiased	93.259	94.416	1.1566
488	10	Unbiased	93.105	94.461	1.3551
489	10	Unbiased	92.76	94.152	1.3927
490	10	Unbiased	92.605	93.87	1.2645
491	10	Unbiased	92.067	93.179	1.1121
492	3	Biased	92.796	93.895	1.0986
493	3	Biased	92.264	93.442	1.1788
494	3	Biased	92.874	93.994	1.1208
495	3	Biased	90.979	92.025	1.0455
496	3	Biased	92.634	93.909	1.2754
497	3	Unbiased	92.861	93.904	1.0432
498	3	Unbiased	91.657	92.591	0.9342
499	3	Unbiased	93.369	94.471	1.1019
500	3	Unbiased	91.845	93.096	1.2515
502	3	Unbiased	91.456	92.682	1.2263

Test Statistics (ns)

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	93.157	94.096	94.592	0.81363	92.386	93.452	94.195	0.94701	-0.7709	-0.64343	-0.3976	0.21295
3	90.979	92.273	93.369	0.76125	92.025	93.401	94.471	0.77551	0.9342	1.1276	1.2754	0.10665
10	90.081	92.407	93.259	0.9392	90.965	93.626	94.471	1.0593	0.8844	1.2185	1.496	0.17618
30	91.604	92.84	95.062	1.0951	92.137	94.548	97.752	1.9065	0.5203	1.7082	2.8803	0.87277
50	90.728	92.129	93.598	0.97951	92.337	94.248	96.905	1.7879	0.1978	2.119	3.6785	1.0576
100	91.438	92.539	94.674	1.0094	63.057	90.062	112.33	15.257	-29.689	-2.4766	17.653	15.098

Device Test: 24.121 SYNC_FREQ_RANGE(FREQ|100kHz/SYNC1/14//OPEN//@SYNC_FREQ_RANGE)





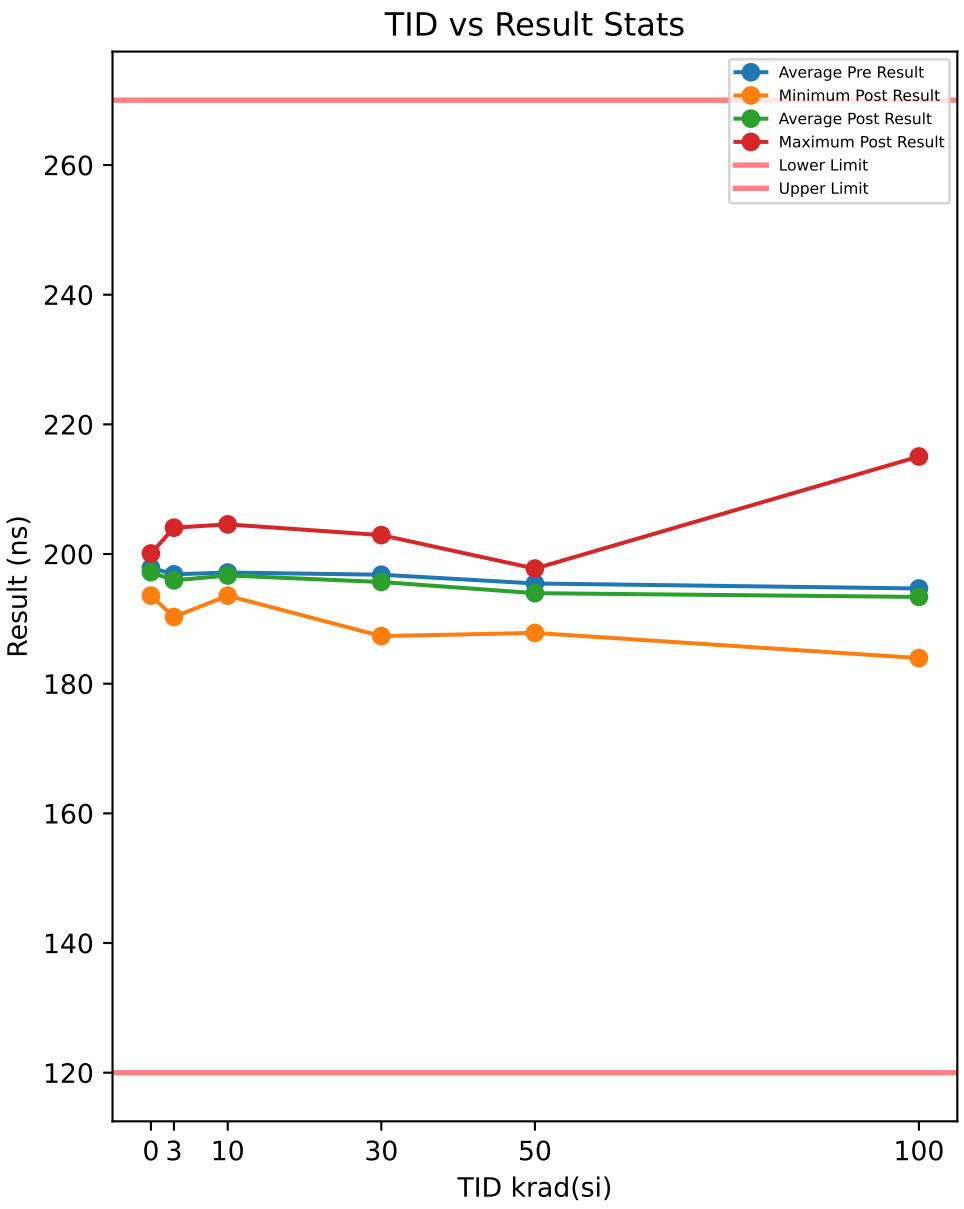
Test Results (Lower Limit = 100.0, Upper Limit = 1000.0 (kHz))

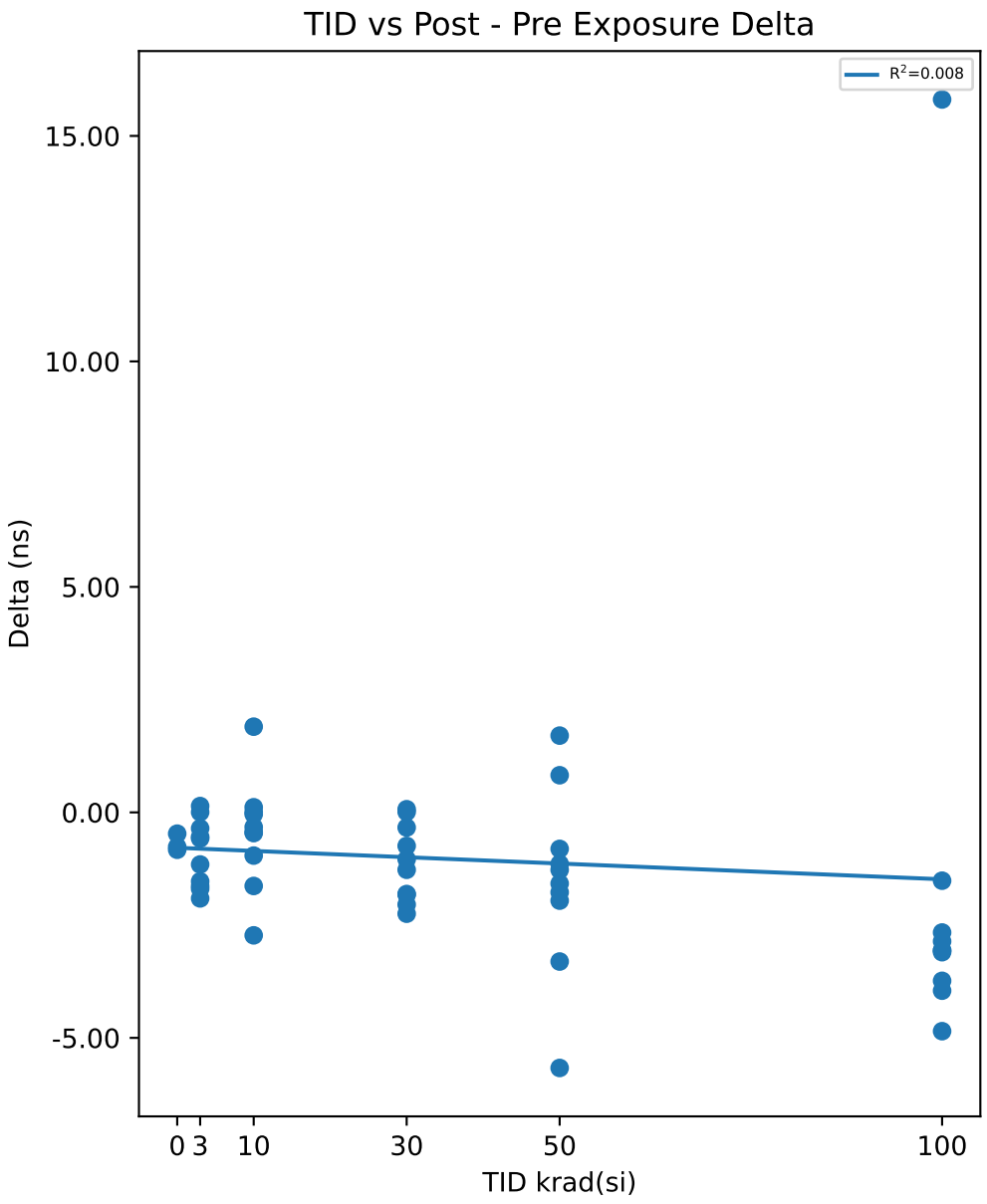
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
390	100	Biased	100	100	0
392	100	Biased	100	100	0
393	100	Biased	100	100	0
394	100	Biased	100	100	0
395	100	Biased	100	100	0
412	100	Unbiased	100	100	0
413	100	Unbiased	100	100	0
414	100	Unbiased	100	100	0
415	100	Unbiased	100	100	0
416	100	Unbiased	100	100	0
417	50	Biased	100	100	0
418	50	Biased	100	100	0
419	50	Biased	100	100	0
421	50	Biased	100	100	0
422	50	Biased	100	100	0
423	50	Unbiased	100	100	0
424	50	Unbiased	100	100	0
425	50	Unbiased	100	100	0
426	50	Unbiased	100	100	0
427	50	Unbiased	100	100	0
463	0	Corr	100	100	0
464	0	Corr	100	100	0
465	0	Corr	100	100	0
466	30	Biased	100	100	0
469	30	Biased	100	100	0
470	30	Biased	100	100	0
472	30	Biased	100	100	0
474	30	Biased	100	100	0
475	30	Unbiased	100	100	0
477	30	Unbiased	100	100	0
478	30	Unbiased	100	100	0
479	30	Unbiased	100	100	0
480	30	Unbiased	100	100	0
481	10	Biased	100	100	0
482	10	Biased	100	100	0
483	10	Biased	100	100	0
484	10	Biased	100	100	0
485	10	Biased	100	100	0
487	10	Unbiased	100	100	0
488	10	Unbiased	100	100	0
489	10	Unbiased	100	100	0
490	10	Unbiased	100	100	0
491	10	Unbiased	100	100	0
492	3	Biased	100	100	0
493	3	Biased	100	100	0
494	3	Biased	100	100	0
495	3	Biased	100	100	0
496	3	Biased	100	100	0
497	3	Unbiased	100	100	0
498	3	Unbiased	100	100	0
499	3	Unbiased	100	100	0
500	3	Unbiased	100	100	0
502	3	Unbiased	100	100	0

Test Statistics (kHz)

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

Device Test: 24.122 SYNC1_SW_DELAY(TIMING|DELAY/SYNC1/14//OPEN//@SYNC1_SW_DELAY)





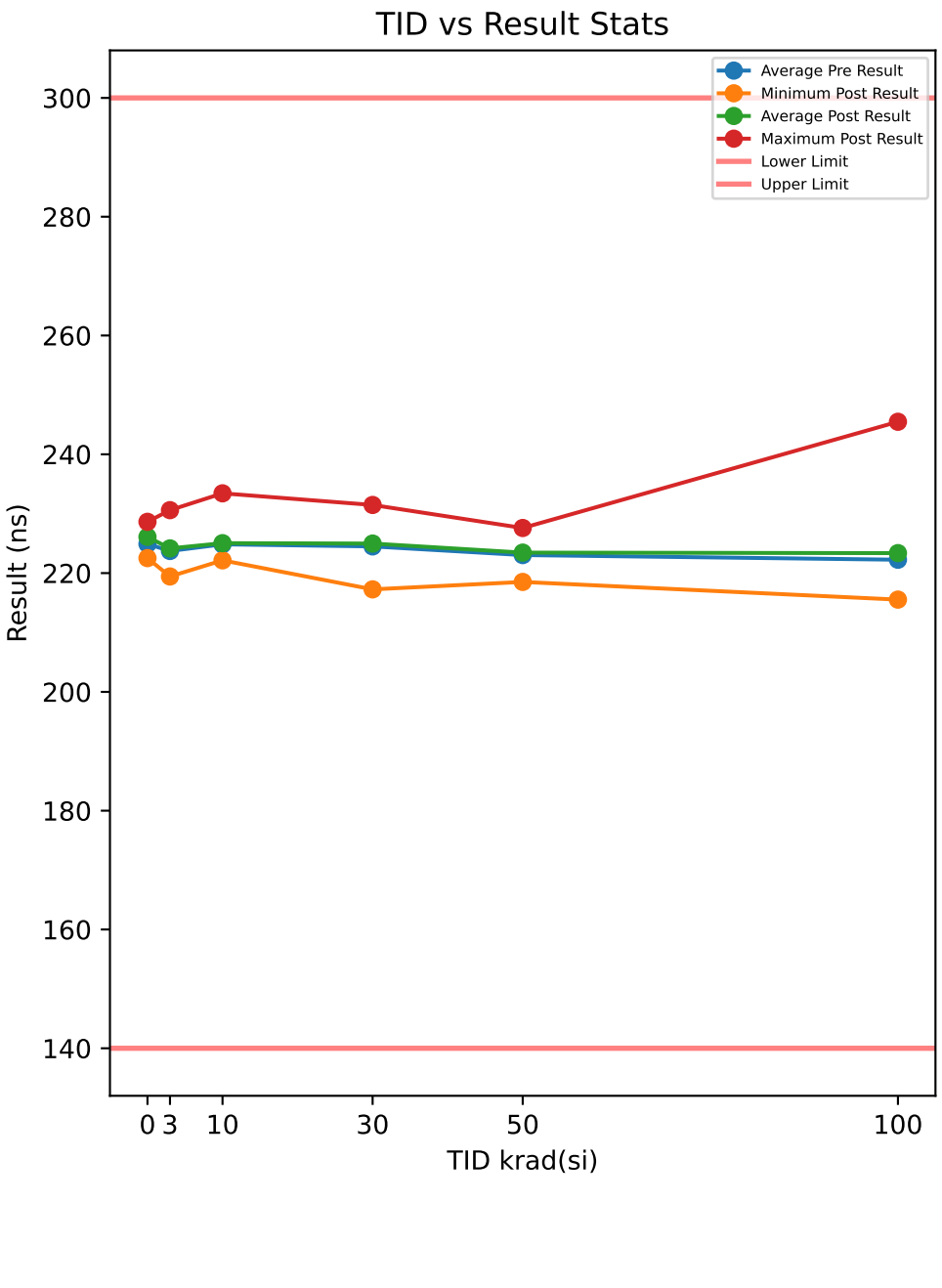
Test Results (Lower Limit = 120.0, Upper Limit = 270.0 (ns))

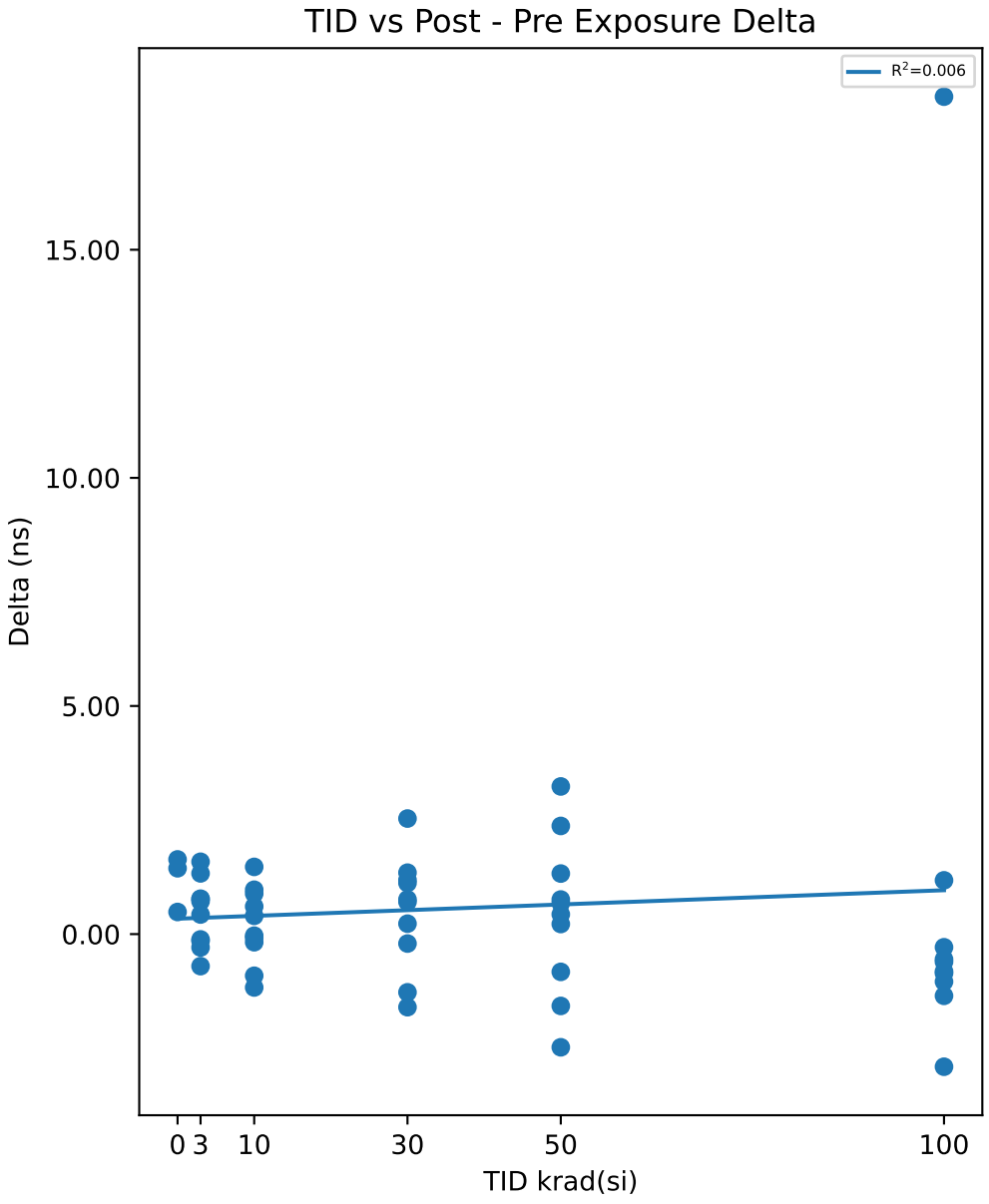
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
390	100	Biased	192.28	189.22	-3.0585
392	100	Biased	193.92	191.26	-2.6638
393	100	Biased	191.27	186.41	-4.8518
394	100	Biased	192.69	189.83	-2.8587
395	100	Biased	194.68	191.58	-3.1002
412	100	Unbiased	197.24	193.29	-3.9537
413	100	Unbiased	187.69	183.95	-3.7352
414	100	Unbiased	200.28	198.76	-1.5148
415	100	Unbiased	199.23	215.04	15.808
416	100	Unbiased	197.56	194.5	-3.0604
417	50	Biased	196.28	197.1	0.8236
418	50	Biased	198.71	197.57	-1.1419
419	50	Biased	193.24	191.66	-1.5782
421	50	Biased	194.43	192.47	-1.9572
422	50	Biased	196.05	197.76	1.7023
423	50	Unbiased	198.95	195.64	-3.3074
424	50	Unbiased	193.77	192.49	-1.274
425	50	Unbiased	198.59	192.93	-5.6672
426	50	Unbiased	194.97	194.16	-0.8096
427	50	Unbiased	189.61	187.83	-1.7724
463	0	Corr	194.06	193.59	-0.4718
464	0	Corr	198.76	197.93	-0.8289
465	0	Corr	200.85	200.08	-0.7635
466	30	Biased	199.99	200	0.0108
469	30	Biased	189.38	187.34	-2.0434
470	30	Biased	193.2	191.93	-1.273
472	30	Biased	195.94	194.12	-1.821
474	30	Biased	198.05	197.01	-1.0402
475	30	Unbiased	200.44	200.1	-0.3361
477	30	Unbiased	203.66	202.92	-0.7433
478	30	Unbiased	193.14	191.33	-1.8113
479	30	Unbiased	196.79	194.54	-2.2472
480	30	Unbiased	197.49	197.56	0.0699
481	10	Biased	200.6	200.14	-0.4592
482	10	Biased	196.56	196.13	-0.4352
483	10	Biased	194.54	193.58	-0.9582
484	10	Biased	194.97	194.65	-0.3261
485	10	Biased	193.51	195.41	1.9004
487	10	Unbiased	196.03	196.15	0.1137
488	10	Unbiased	197.02	196.98	-0.0413
489	10	Unbiased	196.62	193.89	-2.7269
490	10	Unbiased	206.21	204.57	-1.6319
491	10	Unbiased	195.42	195.42	0.0055
492	3	Biased	195.99	194.84	-1.1552
493	3	Biased	196.65	195.02	-1.6312
494	3	Biased	194.11	194.12	0.0039
495	3	Biased	191.99	190.29	-1.6948
496	3	Biased	199.62	198.09	-1.5293
497	3	Unbiased	197.56	197.02	-0.5425
498	3	Unbiased	193.18	192.6	-0.5767
499	3	Unbiased	203.92	204.06	0.1404
500	3	Unbiased	200.57	200.21	-0.3549
502	3	Unbiased	195.08	193.17	-1.9073

Test Statistics (ns)

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	194.06	197.89	200.85	3.4751	193.59	197.2	200.08	3.3074	-0.8289	-0.68807	-0.4718	0.19013
3	191.99	196.87	203.92	3.6595	190.29	195.94	204.06	4.029	-1.9073	-0.92476	0.1404	0.75018
10	193.51	197.15	206.21	3.707	193.58	196.69	204.57	3.3289	-2.7269	-0.45592	1.9004	1.2051
30	189.38	196.81	203.66	4.1453	187.34	195.68	202.92	4.7404	-2.2472	-1.1235	0.0699	0.85461
50	189.61	195.46	198.95	2.9244	187.83	193.96	197.76	3.1345	-5.6672	-1.4982	1.7023	2.0339
100	187.69	194.68	200.28	3.9125	183.95	193.39	215.04	8.6571	-4.8518	-1.299	15.808	6.0738

Device Test: 24.123 SYNC1_SW_DELAY_INV(TIMING|DELAY/SYNC1/14//OPEN//@SYNC1_SW_DELAY_INV)





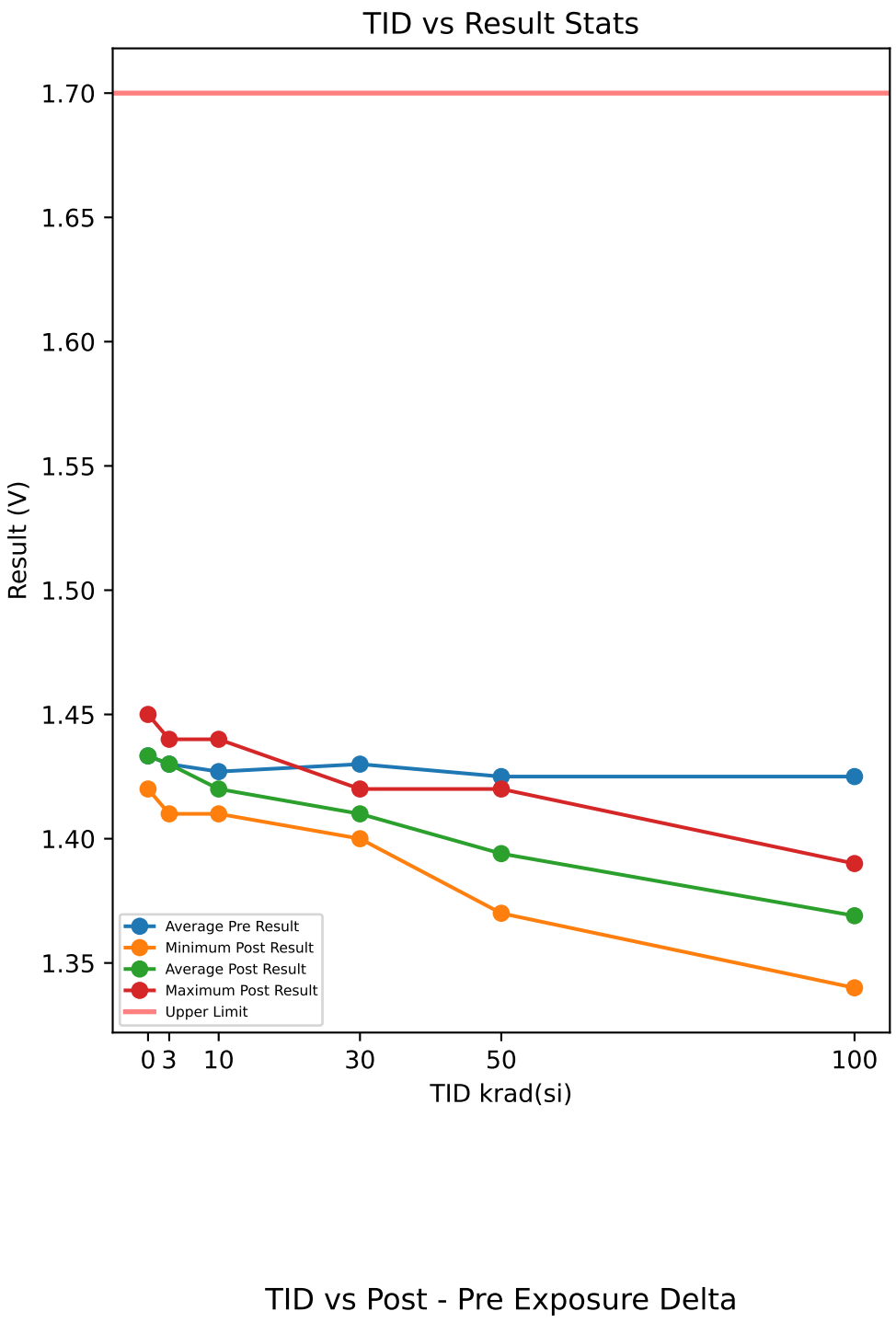
Test Results (Lower Limit = 140.0, Upper Limit = 300.0 (ns))

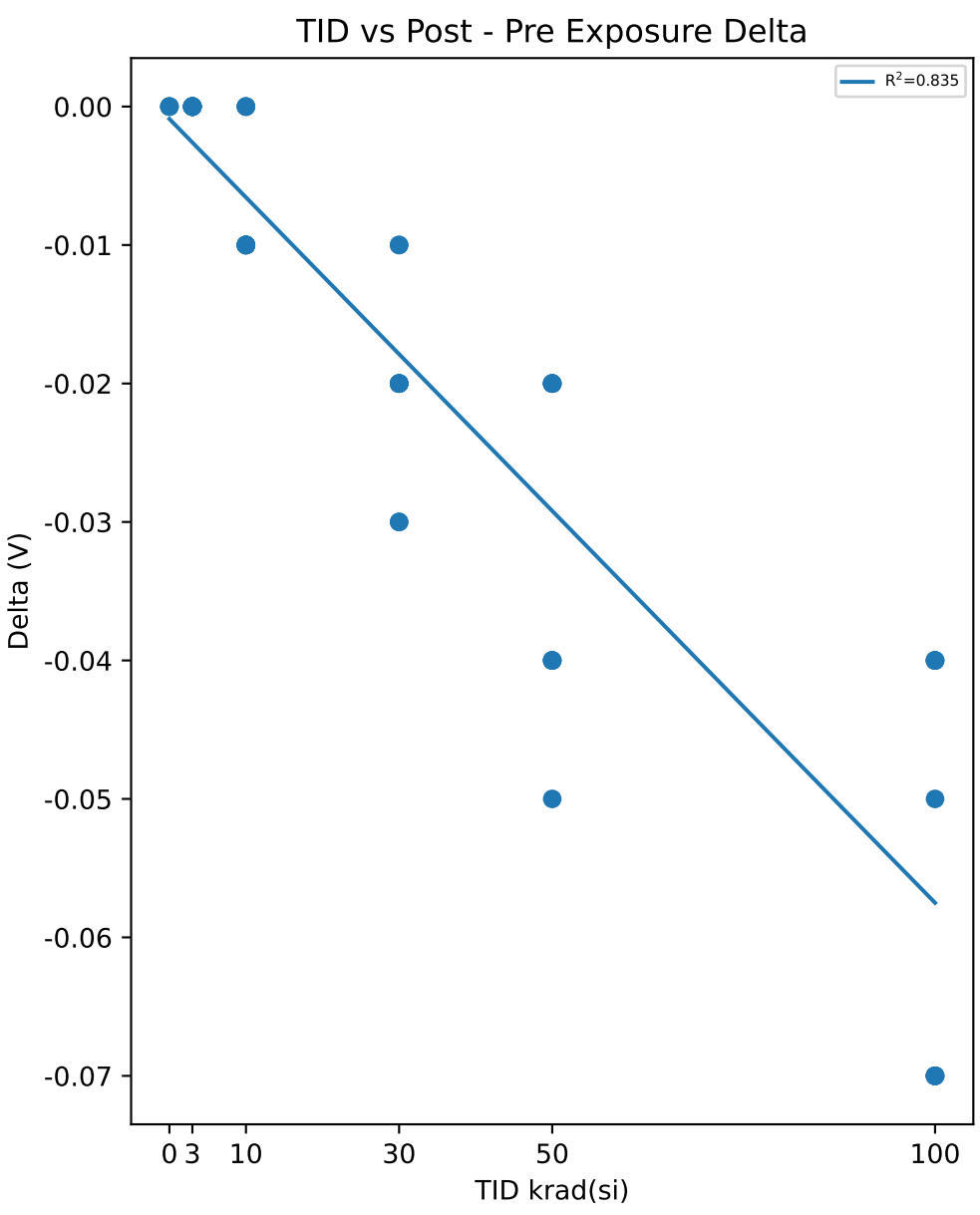
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
390	100	Biased	220.2	219.59	-0.6084
392	100	Biased	221.52	221.23	-0.2883
393	100	Biased	218.63	215.72	-2.9071
394	100	Biased	220.14	219.59	-0.5512
395	100	Biased	221.16	220.12	-1.0418
412	100	Unbiased	225.17	224.31	-0.8579
413	100	Unbiased	216.35	215.54	-0.8169
414	100	Unbiased	226.69	227.87	1.1786
415	100	Unbiased	227.12	245.48	18.355
416	100	Unbiased	225.54	224.19	-1.3532
417	50	Biased	224.19	226.56	2.3709
418	50	Biased	225.45	225.67	0.2212
419	50	Biased	219.73	220.16	0.4334
421	50	Biased	222.35	221.53	-0.8278
422	50	Biased	224.36	227.59	3.2364
423	50	Unbiased	227.61	226.04	-1.5744
424	50	Unbiased	221.68	222.44	0.7581
425	50	Unbiased	224.58	222.09	-2.481
426	50	Unbiased	223.22	223.89	0.6771
427	50	Unbiased	217.19	218.51	1.3269
463	0	Corr	221.08	222.52	1.443
464	0	Corr	226.65	227.13	0.485
465	0	Corr	227	228.63	1.637
466	30	Biased	228.21	228.91	0.7066
469	30	Biased	218.86	217.26	-1.6019
470	30	Biased	221.34	221.57	0.2289
472	30	Biased	223.24	223.04	-0.207
474	30	Biased	225.57	226.33	0.7612
475	30	Unbiased	228.12	229.31	1.1874
477	30	Unbiased	230.35	231.47	1.1198
478	30	Unbiased	218.95	221.48	2.5329
479	30	Unbiased	224.62	223.34	-1.276
480	30	Unbiased	225.67	227.02	1.3465
481	10	Biased	227.67	228.07	0.4005
482	10	Biased	223.75	224.35	0.6062
483	10	Biased	223.32	222.15	-1.17
484	10	Biased	222.98	223.87	0.8875
485	10	Biased	221.69	222.67	0.9728
487	10	Unbiased	223.21	223.14	-0.0778
488	10	Unbiased	223.93	225.4	1.4734
489	10	Unbiased	223.85	222.93	-0.9129
490	10	Unbiased	233.46	233.43	-0.034
491	10	Unbiased	224.57	224.39	-0.1783
492	3	Biased	221.65	222.36	0.7176
493	3	Biased	224.36	224.79	0.4293
494	3	Biased	221.74	222.51	0.7753
495	3	Biased	220.13	219.43	-0.7023
496	3	Biased	226.36	226.07	-0.2926
497	3	Unbiased	224.14	225.73	1.5856
498	3	Unbiased	219.21	219.98	0.7696
499	3	Unbiased	230.74	230.6	-0.1475
500	3	Unbiased	226.04	227.37	1.3305
502	3	Unbiased	222.87	222.75	-0.1163

Test Statistics (ns)

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	221.08	224.91	227	3.3194	222.52	226.1	228.63	3.184	0.485	1.1883	1.637	0.61678
3	219.21	223.72	230.74	3.4071	219.43	224.16	230.6	3.4323	-0.7023	0.43492	1.5856	0.73783
10	221.69	224.84	233.46	3.3958	222.15	225.04	233.43	3.3997	-1.17	0.19674	1.4734	0.8358
30	218.86	224.49	230.35	3.9119	217.26	224.97	231.47	4.3741	-1.6019	0.47984	2.5329	1.2454
50	217.19	223.03	227.61	2.9746	218.51	223.45	227.59	2.9879	-2.481	0.41408	3.2364	1.7234
100	216.35	222.25	227.12	3.6674	215.54	223.36	245.48	8.6545	-2.9071	1.1109	18.355	6.1418

Device Test: 24.124 SYNC1_VIH(THRESHOLD|RISE/SYNC1/14//OPEN//@SYNC1_VIH)





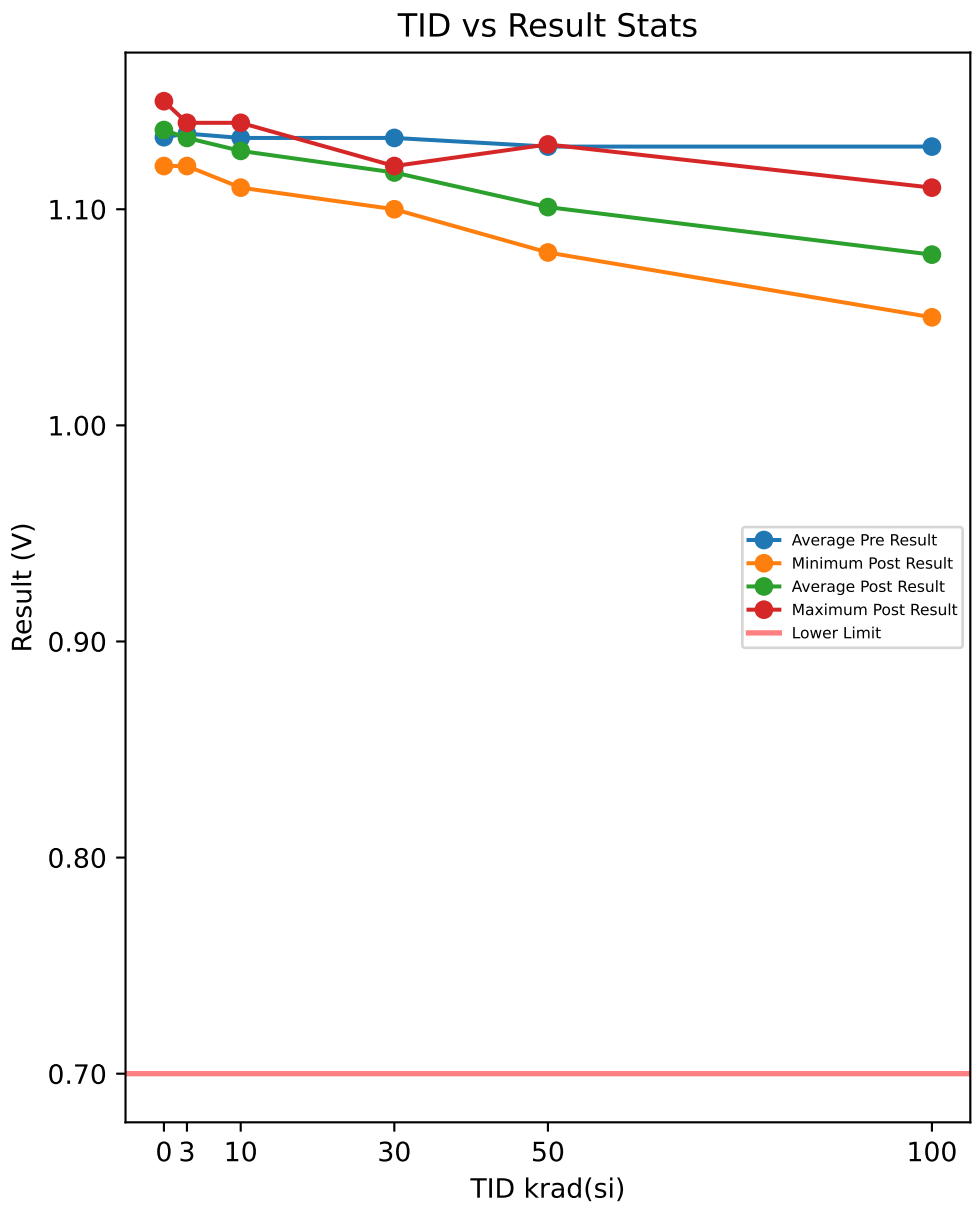
Test Results (Upper Limit = 1.7 (V))

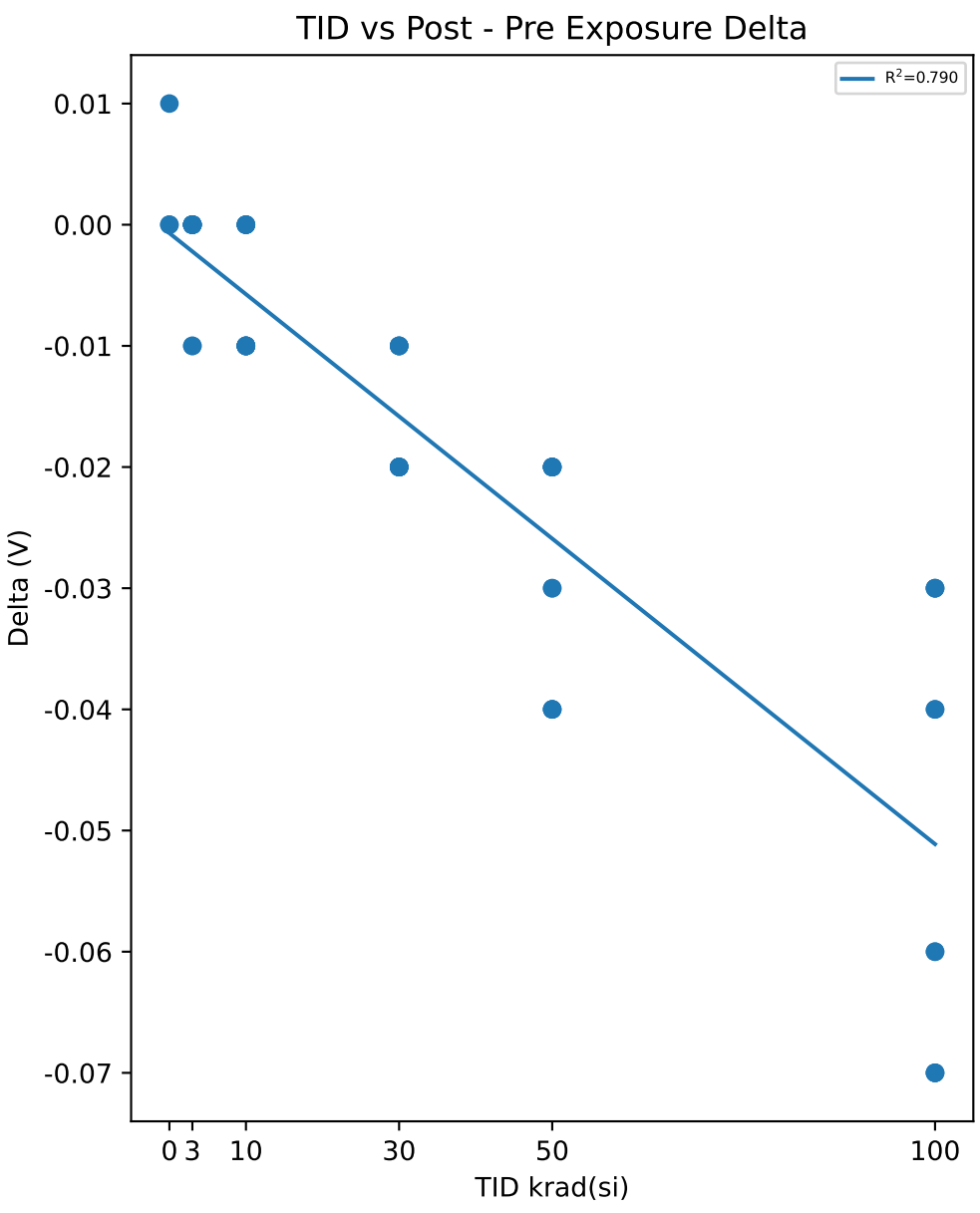
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
390	100	Biased	1.43	1.38	-0.05
392	100	Biased	1.42	1.38	-0.04
393	100	Biased	1.43	1.39	-0.04
394	100	Biased	1.43	1.39	-0.04
395	100	Biased	1.43	1.39	-0.04
412	100	Unbiased	1.42	1.35	-0.07
413	100	Unbiased	1.41	1.34	-0.07
414	100	Unbiased	1.44	1.37	-0.07
415	100	Unbiased	1.42	1.35	-0.07
416	100	Unbiased	1.42	1.35	-0.07
417	50	Biased	1.43	1.41	-0.02
418	50	Biased	1.44	1.42	-0.02
419	50	Biased	1.42	1.4	-0.02
421	50	Biased	1.42	1.4	-0.02
422	50	Biased	1.42	1.4	-0.02
423	50	Unbiased	1.42	1.38	-0.04
424	50	Unbiased	1.42	1.37	-0.05
425	50	Unbiased	1.43	1.39	-0.04
426	50	Unbiased	1.42	1.38	-0.04
427	50	Unbiased	1.43	1.39	-0.04
463	0	Corr	1.43	1.43	0
464	0	Corr	1.42	1.42	0
465	0	Corr	1.45	1.45	0
466	30	Biased	1.43	1.42	-0.01
469	30	Biased	1.41	1.4	-0.01
470	30	Biased	1.43	1.41	-0.02
472	30	Biased	1.43	1.41	-0.02
474	30	Biased	1.43	1.41	-0.02
475	30	Unbiased	1.44	1.41	-0.03
477	30	Unbiased	1.44	1.42	-0.02
478	30	Unbiased	1.44	1.41	-0.03
479	30	Unbiased	1.43	1.41	-0.02
480	30	Unbiased	1.42	1.4	-0.02
481	10	Biased	1.44	1.44	0
482	10	Biased	1.44	1.43	-0.01
483	10	Biased	1.42	1.41	-0.01
484	10	Biased	1.43	1.42	-0.01
485	10	Biased	1.43	1.42	-0.01
487	10	Unbiased	1.43	1.42	-0.01
488	10	Unbiased	1.42	1.41	-0.01
489	10	Unbiased	1.43	1.43	0
490	10	Unbiased	1.41	1.41	0
491	10	Unbiased	1.42	1.41	-0.01
492	3	Biased	1.44	1.44	0
493	3	Biased	1.41	1.41	0
494	3	Biased	1.43	1.43	0
495	3	Biased	1.42	1.42	0
496	3	Biased	1.43	1.43	0
497	3	Unbiased	1.44	1.44	0
498	3	Unbiased	1.43	1.43	0
499	3	Unbiased	1.44	1.44	0
500	3	Unbiased	1.44	1.44	0
502	3	Unbiased	1.42	1.42	0

Test Statistics (V)

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	1.42	1.4333	1.45	0.015275	1.42	1.4333	1.45	0.015275	0	0	0	0
3	1.41	1.43	1.44	0.010541	1.41	1.43	1.44	0.010541	0	0	0	0
10	1.41	1.427	1.44	0.0094868	1.41	1.42	1.44	0.010541	-0.01	-0.007	0	0.0048305
30	1.41	1.43	1.44	0.0094281	1.4	1.41	1.42	0.0066667	-0.03	-0.02	-0.01	0.0066667
50	1.42	1.425	1.44	0.0070711	1.37	1.394	1.42	0.015055	-0.05	-0.031	-0.02	0.011972
100	1.41	1.425	1.44	0.0084984	1.34	1.369	1.39	0.019692	-0.07	-0.056	-0.04	0.015055

Device Test: 24.125 SYNC1_VIL(THRESHOLD|FALL/SYNC1/14//OPEN//@SYNC1_VIL)





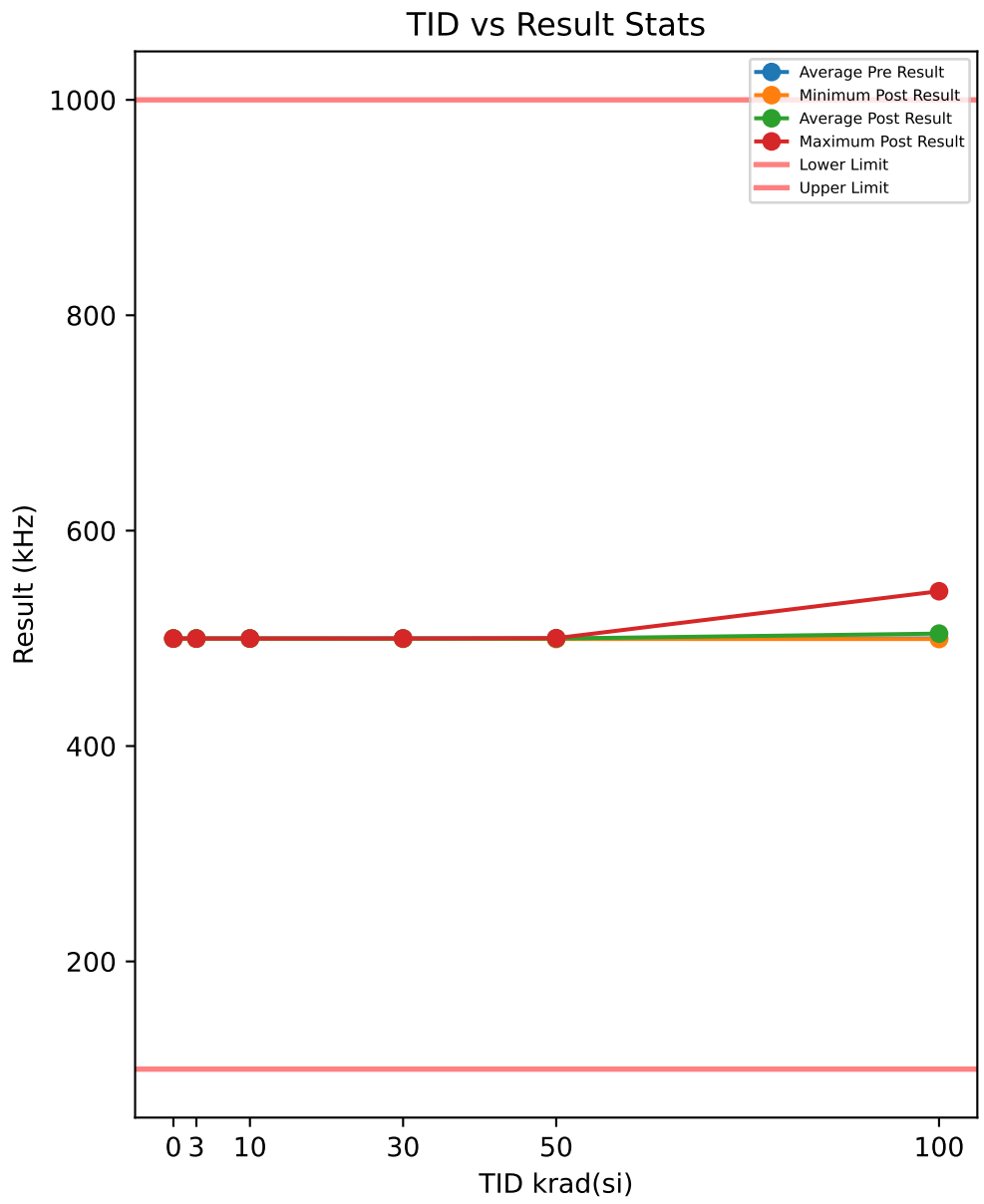
Test Results (Lower Limit = 0.7 (V))

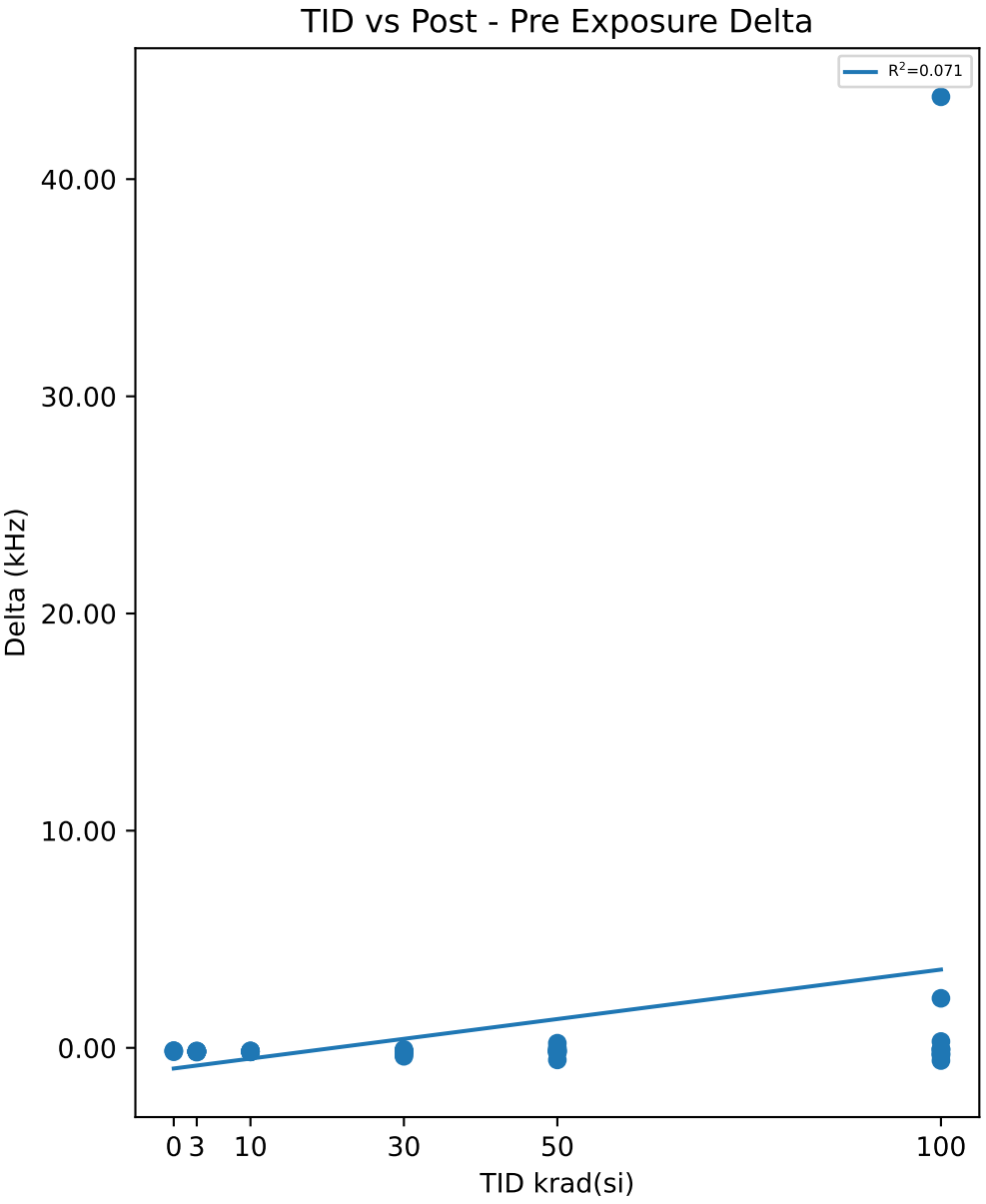
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
390	100	Biased	1.12	1.09	-0.03
392	100	Biased	1.12	1.08	-0.04
393	100	Biased	1.14	1.1	-0.04
394	100	Biased	1.13	1.1	-0.03
395	100	Biased	1.14	1.11	-0.03
412	100	Unbiased	1.12	1.06	-0.06
413	100	Unbiased	1.13	1.06	-0.07
414	100	Unbiased	1.14	1.07	-0.07
415	100	Unbiased	1.12	1.05	-0.07
416	100	Unbiased	1.13	1.07	-0.06
417	50	Biased	1.13	1.11	-0.02
418	50	Biased	1.15	1.13	-0.02
419	50	Biased	1.12	1.1	-0.02
421	50	Biased	1.13	1.11	-0.02
422	50	Biased	1.12	1.1	-0.02
423	50	Unbiased	1.12	1.08	-0.04
424	50	Unbiased	1.13	1.09	-0.04
425	50	Unbiased	1.13	1.1	-0.03
426	50	Unbiased	1.12	1.09	-0.03
427	50	Unbiased	1.14	1.1	-0.04
463	0	Corr	1.14	1.14	0
464	0	Corr	1.12	1.12	0
465	0	Corr	1.14	1.15	0.01
466	30	Biased	1.13	1.12	-0.01
469	30	Biased	1.12	1.1	-0.02
470	30	Biased	1.13	1.12	-0.01
472	30	Biased	1.13	1.12	-0.01
474	30	Biased	1.13	1.12	-0.01
475	30	Unbiased	1.14	1.12	-0.02
477	30	Unbiased	1.14	1.12	-0.02
478	30	Unbiased	1.14	1.12	-0.02
479	30	Unbiased	1.14	1.12	-0.02
480	30	Unbiased	1.13	1.11	-0.02
481	10	Biased	1.14	1.14	0
482	10	Biased	1.14	1.14	0
483	10	Biased	1.13	1.12	-0.01
484	10	Biased	1.13	1.13	0
485	10	Biased	1.14	1.13	-0.01
487	10	Unbiased	1.14	1.13	-0.01
488	10	Unbiased	1.12	1.11	-0.01
489	10	Unbiased	1.14	1.14	0
490	10	Unbiased	1.12	1.11	-0.01
491	10	Unbiased	1.13	1.12	-0.01
492	3	Biased	1.14	1.14	0
493	3	Biased	1.12	1.12	0
494	3	Biased	1.14	1.14	0
495	3	Biased	1.13	1.13	0
496	3	Biased	1.13	1.12	-0.01
497	3	Unbiased	1.14	1.14	0
498	3	Unbiased	1.14	1.13	-0.01
499	3	Unbiased	1.14	1.14	0
500	3	Unbiased	1.14	1.14	0
502	3	Unbiased	1.13	1.13	0

Test Statistics (V)

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	1.12	1.1333	1.14	0.011547	1.12	1.1367	1.15	0.015275	0	0.0033333	0.01	0.0057735
3	1.12	1.135	1.14	0.0070711	1.12	1.133	1.14	0.0082327	-0.01	-0.002	0	0.0042164
10	1.12	1.133	1.14	0.0082327	1.11	1.127	1.14	0.011595	-0.01	-0.006	0	0.005164
30	1.12	1.133	1.14	0.0067495	1.1	1.117	1.12	0.0067495	-0.02	-0.016	-0.01	0.005164
50	1.12	1.129	1.15	0.0099443	1.08	1.101	1.13	0.013703	-0.04	-0.028	-0.02	0.0091894
100	1.12	1.129	1.14	0.008756	1.05	1.079	1.11	0.020248	-0.07	-0.05	-0.03	0.017638

Device Test: 24.128 SYNC_FREQ_RANGE(FREQ|500kHz/SYNC1/14//OPEN//@SYNC_FREQ_RANGE)





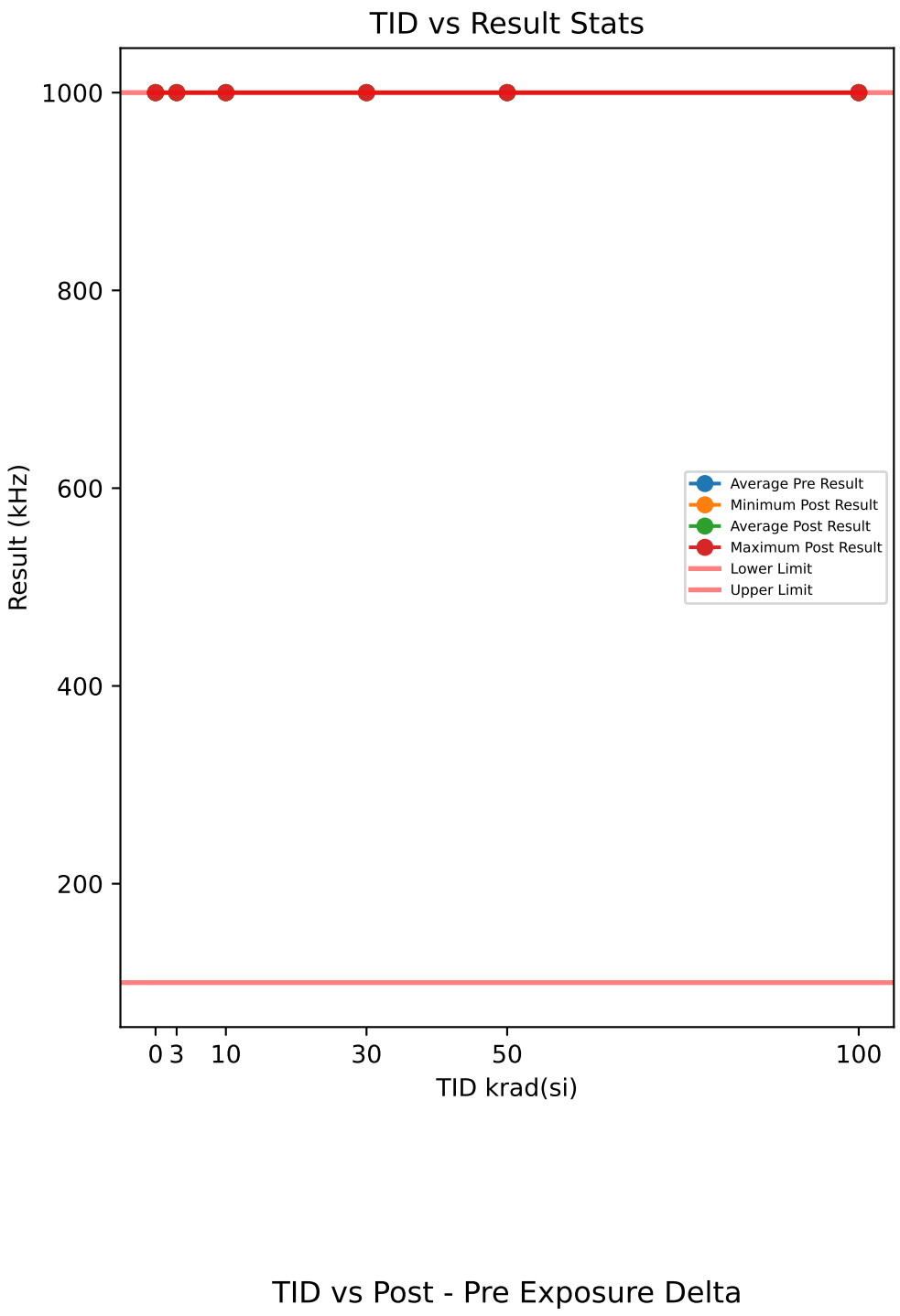
Test Results (Lower Limit = 100.0, Upper Limit = 1000.0 (kHz))

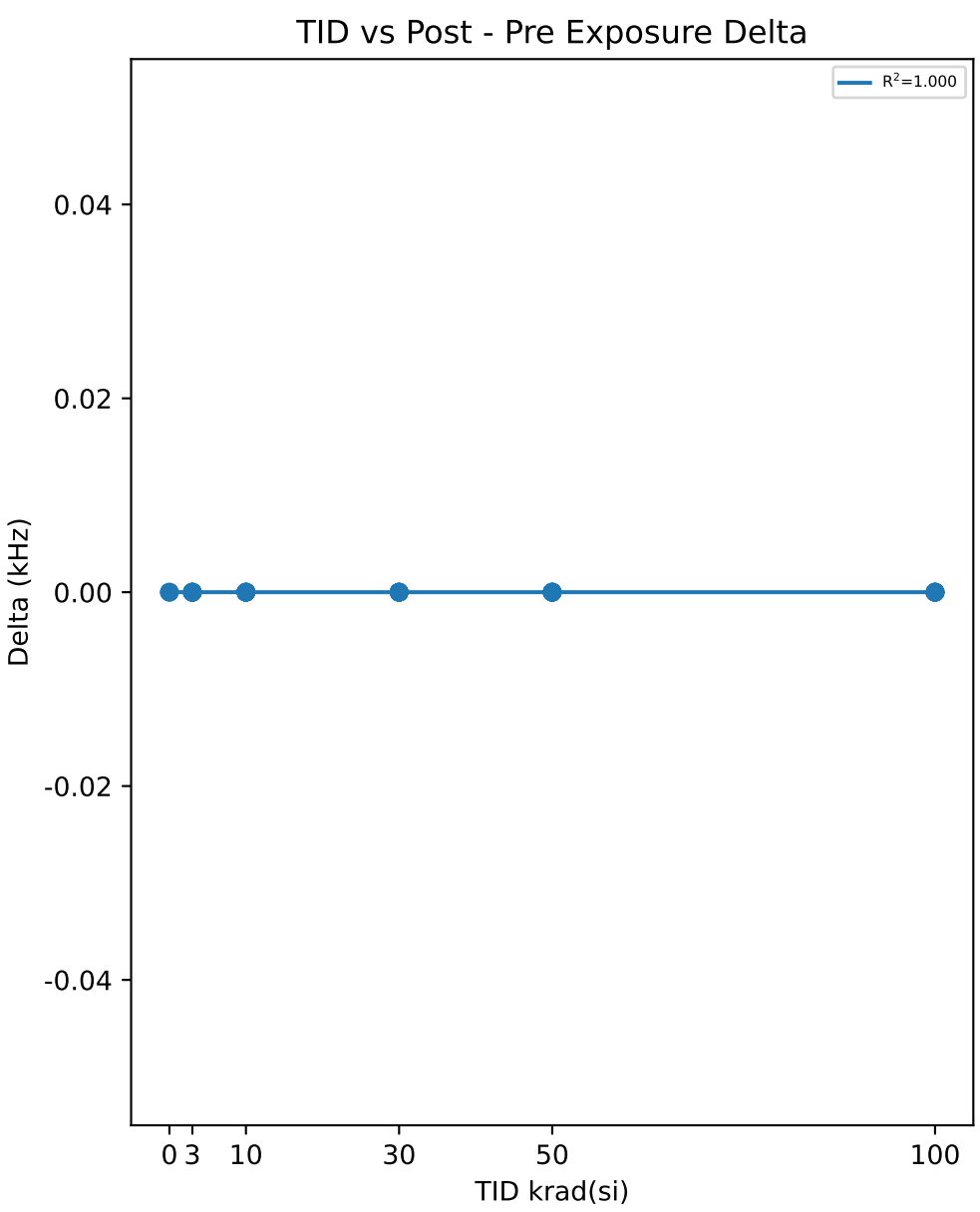
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
390	100	Biased	499.95	499.37	-0.5846
392	100	Biased	499.96	499.9	-0.0542
393	100	Biased	499.94	500.24	0.2934
394	100	Biased	499.94	499.85	-0.096
395	100	Biased	499.96	543.75	43.79
412	100	Unbiased	499.96	499.61	-0.3553
413	100	Unbiased	499.95	499.9	-0.0529
414	100	Unbiased	499.96	499.68	-0.2779
415	100	Unbiased	499.96	502.24	2.2814
416	100	Unbiased	499.95	499.69	-0.2638
417	50	Biased	499.98	499.75	-0.2283
418	50	Biased	499.95	499.96	0.0088
419	50	Biased	499.96	499.4	-0.556
421	50	Biased	499.96	500.17	0.2155
422	50	Biased	499.95	499.81	-0.1424
423	50	Unbiased	499.93	499.79	-0.1396
424	50	Unbiased	499.99	499.79	-0.2033
425	50	Unbiased	499.97	499.91	-0.0605
426	50	Unbiased	499.97	499.81	-0.159
427	50	Unbiased	499.96	499.85	-0.1137
463	0	Corr	499.94	499.81	-0.1311
464	0	Corr	499.94	499.81	-0.1295
465	0	Corr	499.97	499.79	-0.1796
466	30	Biased	499.96	499.64	-0.3206
469	30	Biased	499.96	499.7	-0.2577
470	30	Biased	499.95	499.88	-0.0721
472	30	Biased	499.96	499.8	-0.1616
474	30	Biased	499.96	499.57	-0.3891
475	30	Unbiased	499.94	499.81	-0.1321
477	30	Unbiased	499.94	499.79	-0.1574
478	30	Unbiased	499.94	499.8	-0.1459
479	30	Unbiased	499.97	499.8	-0.1698
480	30	Unbiased	499.95	499.79	-0.1567
481	10	Biased	499.95	499.8	-0.1511
482	10	Biased	499.94	499.8	-0.1389
483	10	Biased	499.96	499.77	-0.1879
484	10	Biased	499.98	499.8	-0.1806
485	10	Biased	499.98	499.79	-0.1853
487	10	Unbiased	499.96	499.81	-0.1483
488	10	Unbiased	499.97	499.8	-0.1779
489	10	Unbiased	499.96	499.79	-0.1638
490	10	Unbiased	499.97	499.8	-0.1715
491	10	Unbiased	499.99	499.8	-0.185
492	3	Biased	499.96	499.8	-0.1605
493	3	Biased	499.97	499.8	-0.1713
494	3	Biased	499.96	499.82	-0.1419
495	3	Biased	499.97	499.8	-0.1711
496	3	Biased	499.95	499.78	-0.1696
497	3	Unbiased	499.96	499.8	-0.1605
498	3	Unbiased	499.99	499.8	-0.1973
499	3	Unbiased	499.98	499.8	-0.1814
500	3	Unbiased	499.96	499.79	-0.1698
502	3	Unbiased	499.94	499.78	-0.1597

Test Statistics (kHz)

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	499.94	499.95	499.97	0.017612	499.79	499.8	499.81	0.01091	-0.1796	-0.14673	-0.1295	0.028475
3	499.94	499.97	499.99	0.014311	499.78	499.8	499.82	0.011058	-0.1973	-0.16831	-0.1419	0.014629
10	499.94	499.97	499.99	0.015599	499.77	499.8	499.81	0.0090491	-0.1879	-0.16903	-0.1389	0.017578
30	499.94	499.95	499.97	0.0089961	499.57	499.76	499.88	0.092542	-0.3891	-0.1963	-0.0721	0.096302
50	499.93	499.96	499.99	0.016449	499.4	499.83	500.17	0.19228	-0.556	-0.13785	0.2155	0.19457
100	499.94	499.95	499.96	0.0081669	499.37	504.42	543.75	13.842	-0.5846	4.468	43.79	13.84

Device Test: 24.129 SYNC_FREQ_RANGE(FREQ|1000kHz/SYNC1/14//OPEN//@SYNC_FREQ_RANGE)





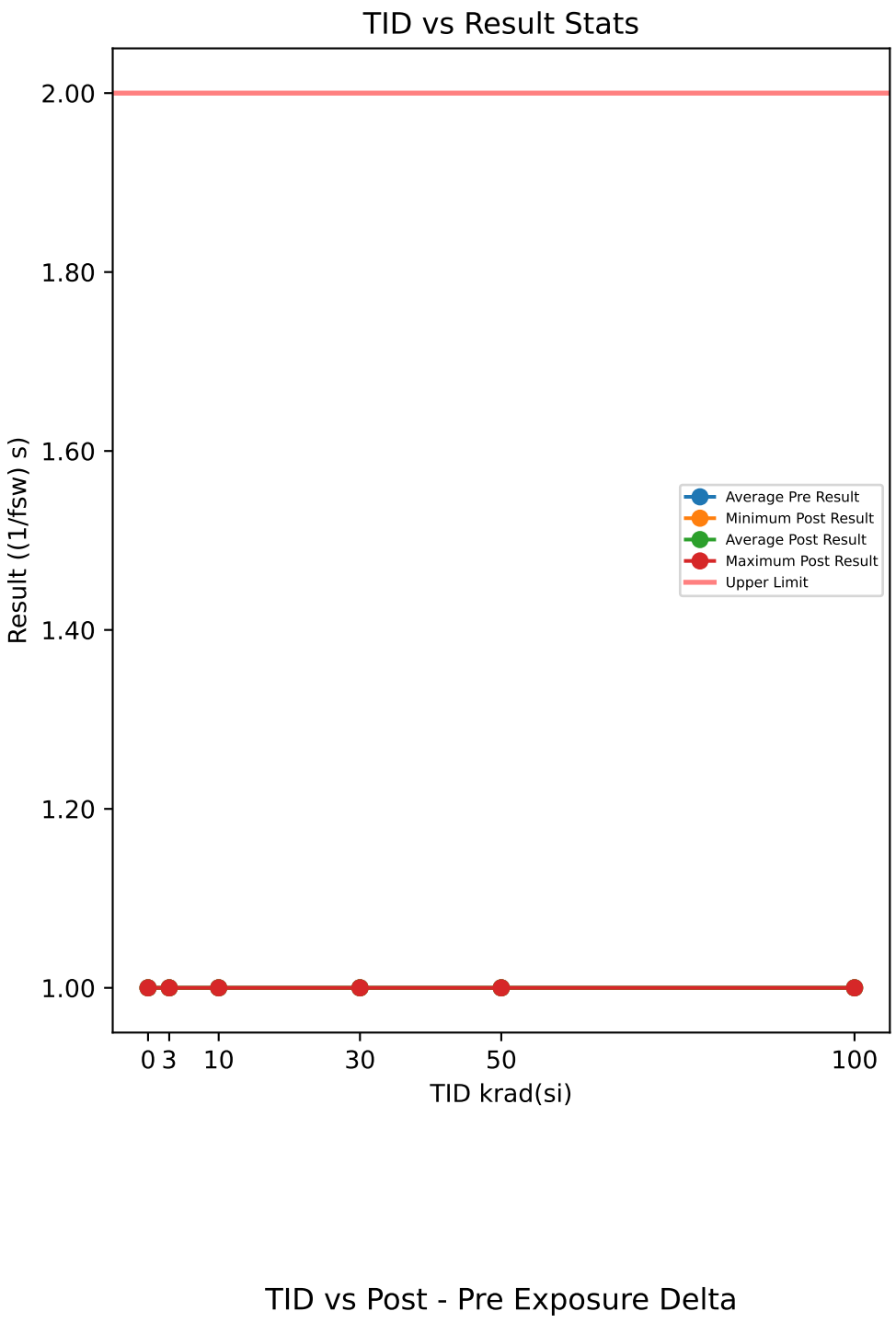
Test Results (Lower Limit = 100.0, Upper Limit = 1000.0 (kHz))

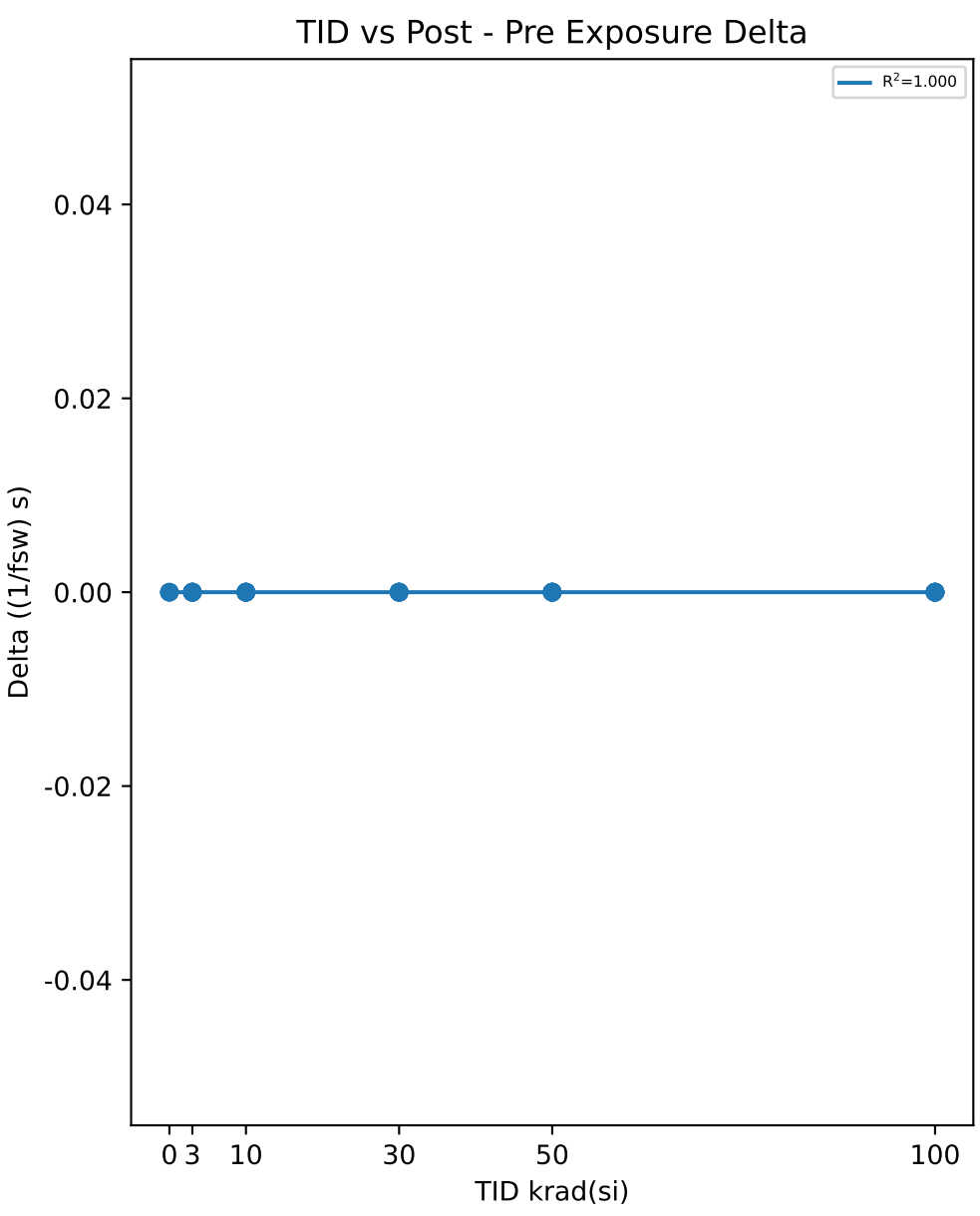
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
390	100	Biased	1000	1000	0
392	100	Biased	1000	1000	0
393	100	Biased	1000	1000	0
394	100	Biased	1000	1000	0
395	100	Biased	1000	1000	0
412	100	Unbiased	1000	1000	0
413	100	Unbiased	1000	1000	0
414	100	Unbiased	1000	1000	0
415	100	Unbiased	1000	1000	0
416	100	Unbiased	1000	1000	0
417	50	Biased	1000	1000	0
418	50	Biased	1000	1000	0
419	50	Biased	1000	1000	0
421	50	Biased	1000	1000	0
422	50	Biased	1000	1000	0
423	50	Unbiased	1000	1000	0
424	50	Unbiased	1000	1000	0
425	50	Unbiased	1000	1000	0
426	50	Unbiased	1000	1000	0
427	50	Unbiased	1000	1000	0
463	0	Corr	1000	1000	0
464	0	Corr	1000	1000	0
465	0	Corr	1000	1000	0
466	30	Biased	1000	1000	0
469	30	Biased	1000	1000	0
470	30	Biased	1000	1000	0
472	30	Biased	1000	1000	0
474	30	Biased	1000	1000	0
475	30	Unbiased	1000	1000	0
477	30	Unbiased	1000	1000	0
478	30	Unbiased	1000	1000	0
479	30	Unbiased	1000	1000	0
480	30	Unbiased	1000	1000	0
481	10	Biased	1000	1000	0
482	10	Biased	1000	1000	0
483	10	Biased	1000	1000	0
484	10	Biased	1000	1000	0
485	10	Biased	1000	1000	0
487	10	Unbiased	1000	1000	0
488	10	Unbiased	1000	1000	0
489	10	Unbiased	1000	1000	0
490	10	Unbiased	1000	1000	0
491	10	Unbiased	1000	1000	0
492	3	Biased	1000	1000	0
493	3	Biased	1000	1000	0
494	3	Biased	1000	1000	0
495	3	Biased	1000	1000	0
496	3	Biased	1000	1000	0
497	3	Unbiased	1000	1000	0
498	3	Unbiased	1000	1000	0
499	3	Unbiased	1000	1000	0
500	3	Unbiased	1000	1000	0
502	3	Unbiased	1000	1000	0

Test Statistics (kHz)

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	1000	1000	1000	0	1000	1000	1000	0	0	0	0	0
3	1000	1000	1000	0	1000	1000	1000	0	0	0	0	0
10	1000	1000	1000	0	1000	1000	1000	0	0	0	0	0
30	1000	1000	1000	0	1000	1000	1000	0	0	0	0	0
50	1000	1000	1000	0	1000	1000	1000	0	0	0	0	0
100	1000	1000	1000	0	1000	1000	1000	0	0	0	0	0

Device Test: 24.13 T_CLOCK_DET_EXT(TIMING|CLKDETECT/SYNC1/4.5//511k//@T_CLOCK_DET_EXT)





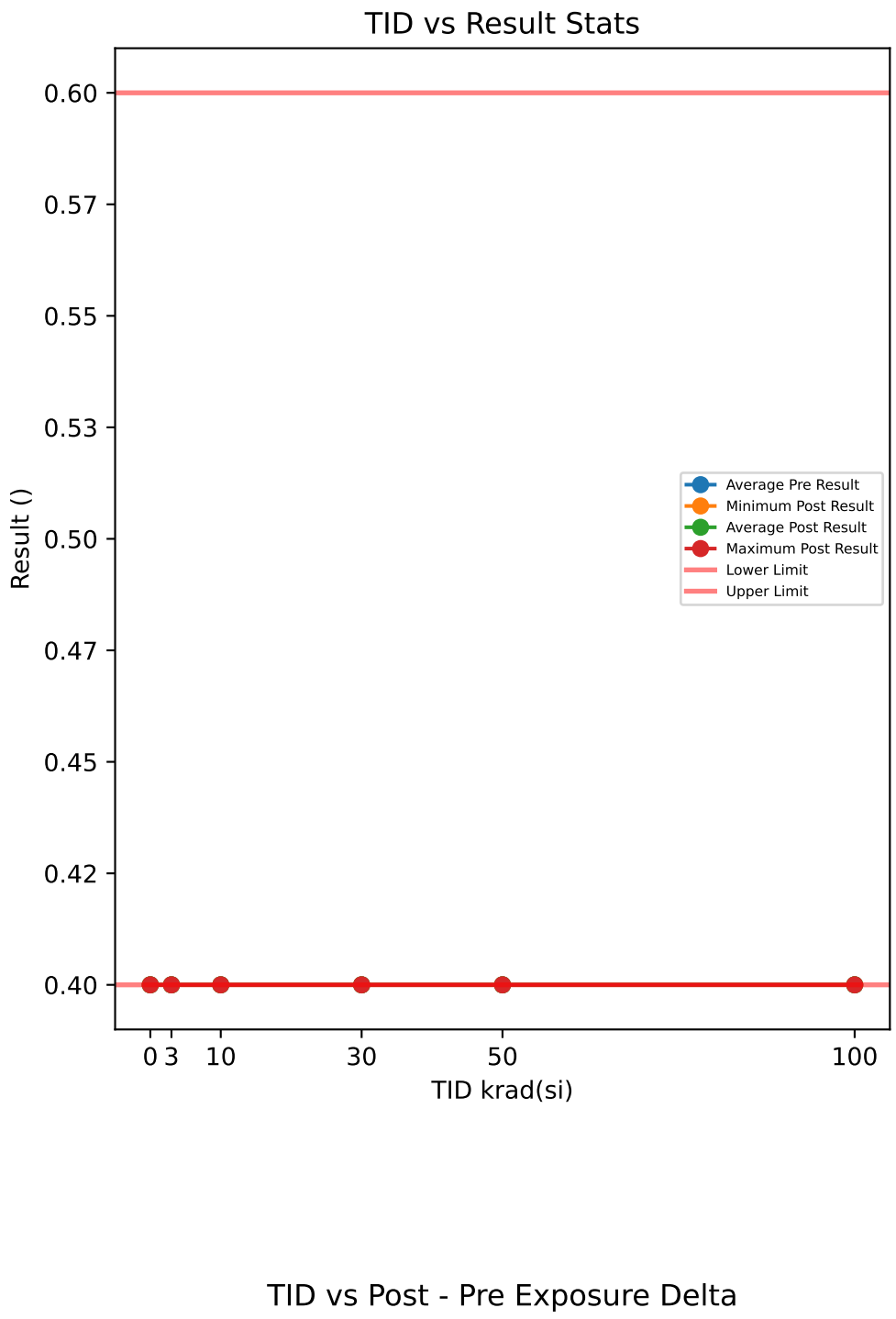
Test Results (Upper Limit = 2.0 ((1/fsw) s))

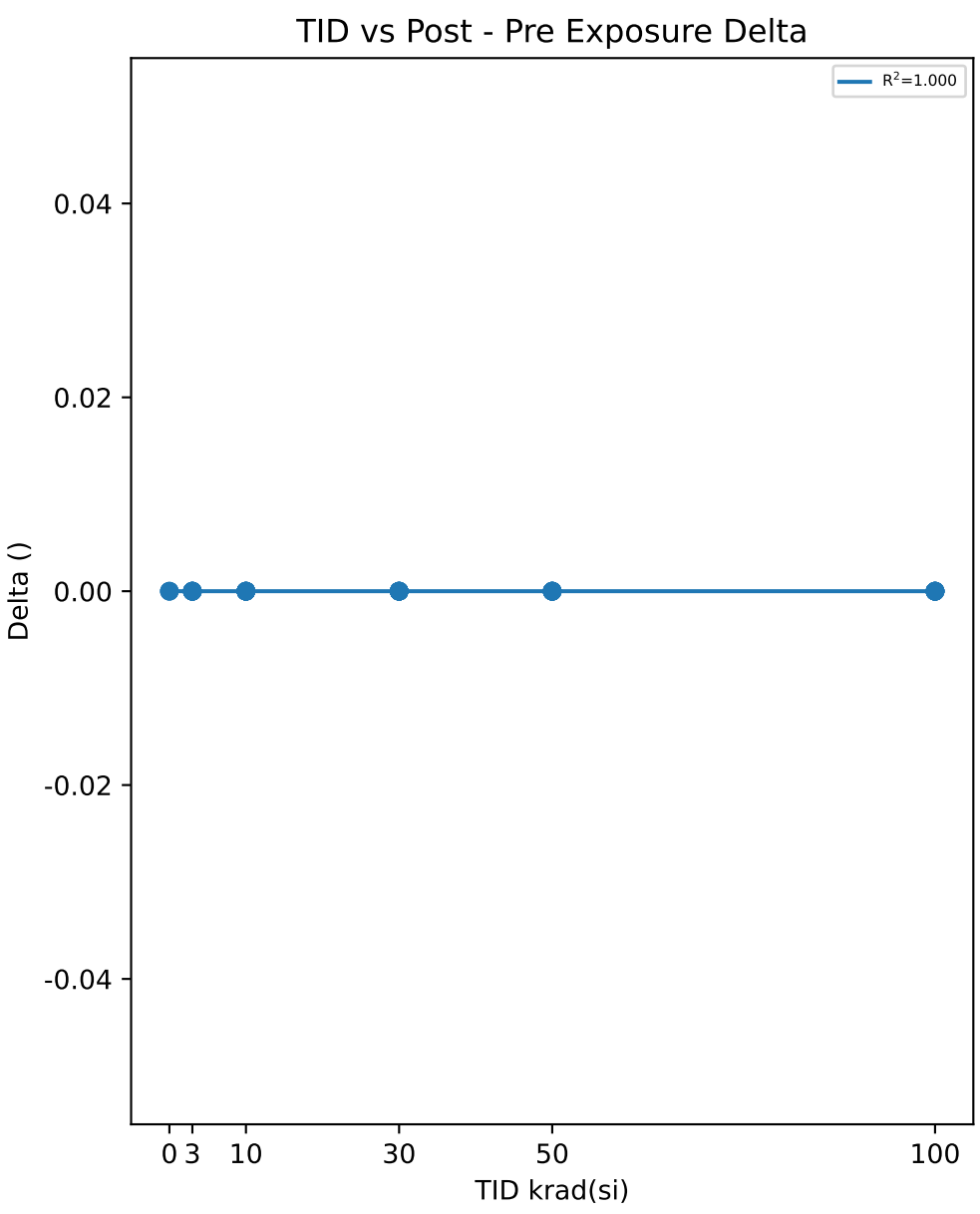
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
390	100	Biased	1	1	0
392	100	Biased	1	1	0
393	100	Biased	1	1	0
394	100	Biased	1	1	0
395	100	Biased	1	1	0
412	100	Unbiased	1	1	0
413	100	Unbiased	1	1	0
414	100	Unbiased	1	1	0
415	100	Unbiased	1	1	0
416	100	Unbiased	1	1	0
417	50	Biased	1	1	0
418	50	Biased	1	1	0
419	50	Biased	1	1	0
421	50	Biased	1	1	0
422	50	Biased	1	1	0
423	50	Unbiased	1	1	0
424	50	Unbiased	1	1	0
425	50	Unbiased	1	1	0
426	50	Unbiased	1	1	0
427	50	Unbiased	1	1	0
463	0	Corr	1	1	0
464	0	Corr	1	1	0
465	0	Corr	1	1	0
466	30	Biased	1	1	0
469	30	Biased	1	1	0
470	30	Biased	1	1	0
472	30	Biased	1	1	0
474	30	Biased	1	1	0
475	30	Unbiased	1	1	0
477	30	Unbiased	1	1	0
478	30	Unbiased	1	1	0
479	30	Unbiased	1	1	0
480	30	Unbiased	1	1	0
481	10	Biased	1	1	0
482	10	Biased	1	1	0
483	10	Biased	1	1	0
484	10	Biased	1	1	0
485	10	Biased	1	1	0
487	10	Unbiased	1	1	0
488	10	Unbiased	1	1	0
489	10	Unbiased	1	1	0
490	10	Unbiased	1	1	0
491	10	Unbiased	1	1	0
492	3	Biased	1	1	0
493	3	Biased	1	1	0
494	3	Biased	1	1	0
495	3	Biased	1	1	0
496	3	Biased	1	1	0
497	3	Unbiased	1	1	0
498	3	Unbiased	1	1	0
499	3	Unbiased	1	1	0
500	3	Unbiased	1	1	0
502	3	Unbiased	1	1	0

Test Statistics ((1/fsw) s)

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	1	1	1	0	1	1	1	0	0	0	0	0
3	1	1	1	0	1	1	1	0	0	0	0	0
10	1	1	1	0	1	1	1	0	0	0	0	0
30	1	1	1	0	1	1	1	0	0	0	0	0
50	1	1	1	0	1	1	1	0	0	0	0	0
100	1	1	1	0	1	1	1	0	0	0	0	0

e Test: 24.130 SYNC_IN_DUTY_CYCLE_RANGE(UTYCYCLE|GNG_40%/SYNC1/14//OPEN//@SYNC_IN_DUTY_CYCLE_RA





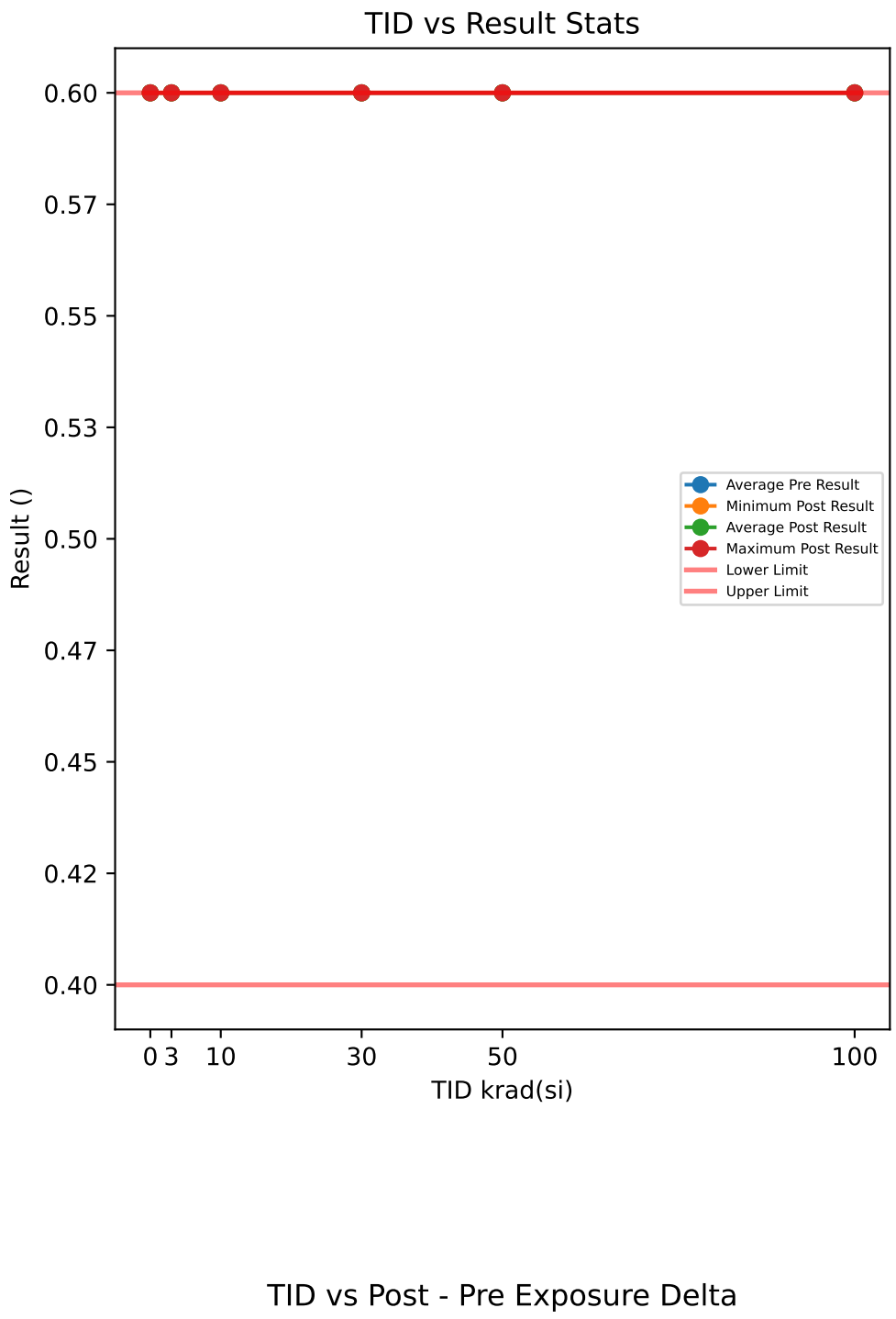
Test Results (Lower Limit = 0.4, Upper Limit = 0.6 ())

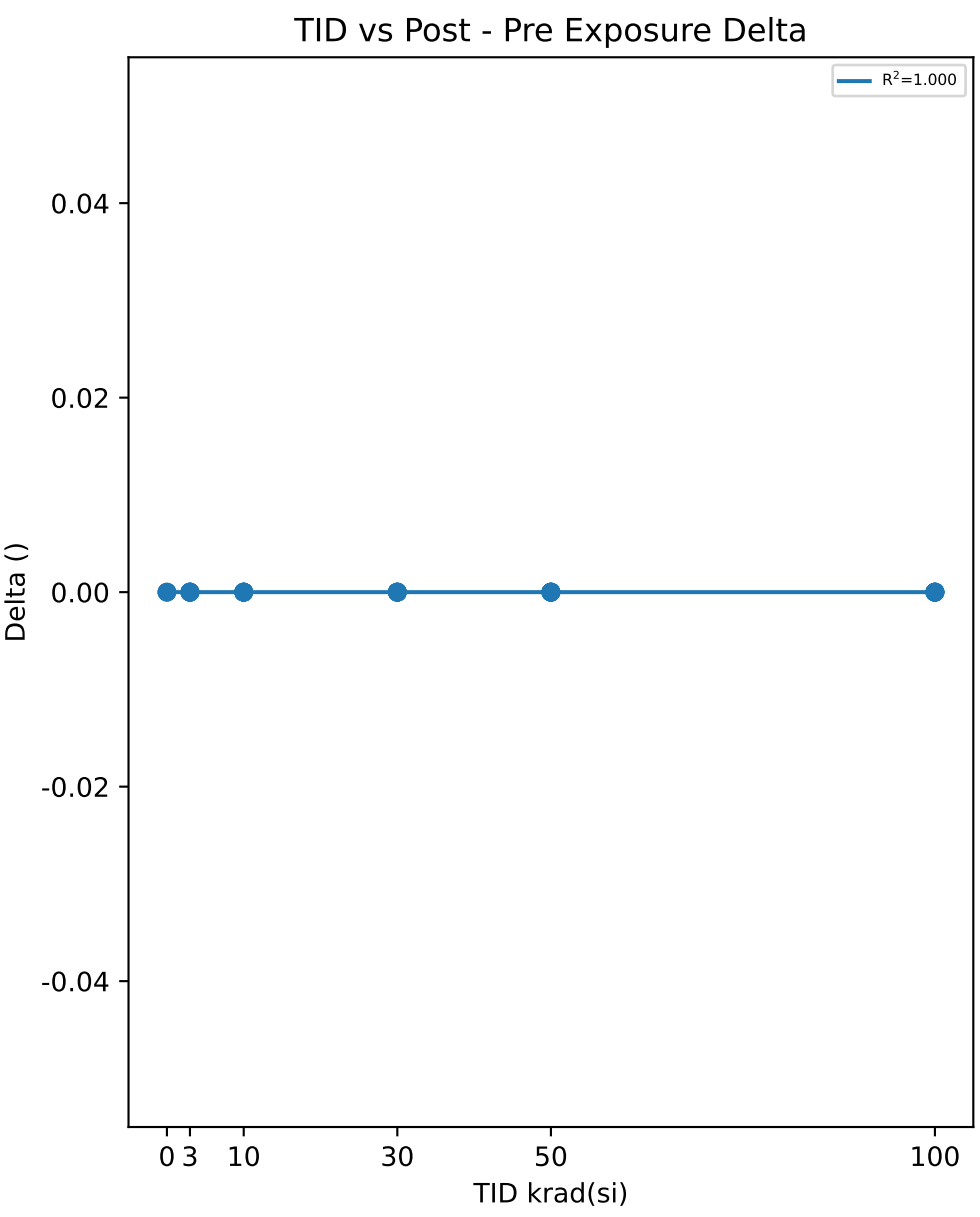
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
390	100	Biased	0.4	0.4	0
392	100	Biased	0.4	0.4	0
393	100	Biased	0.4	0.4	0
394	100	Biased	0.4	0.4	0
395	100	Biased	0.4	0.4	0
412	100	Unbiased	0.4	0.4	0
413	100	Unbiased	0.4	0.4	0
414	100	Unbiased	0.4	0.4	0
415	100	Unbiased	0.4	0.4	0
416	100	Unbiased	0.4	0.4	0
417	50	Biased	0.4	0.4	0
418	50	Biased	0.4	0.4	0
419	50	Biased	0.4	0.4	0
421	50	Biased	0.4	0.4	0
422	50	Biased	0.4	0.4	0
423	50	Unbiased	0.4	0.4	0
424	50	Unbiased	0.4	0.4	0
425	50	Unbiased	0.4	0.4	0
426	50	Unbiased	0.4	0.4	0
427	50	Unbiased	0.4	0.4	0
463	0	Corr	0.4	0.4	0
464	0	Corr	0.4	0.4	0
465	0	Corr	0.4	0.4	0
466	30	Biased	0.4	0.4	0
469	30	Biased	0.4	0.4	0
470	30	Biased	0.4	0.4	0
472	30	Biased	0.4	0.4	0
474	30	Biased	0.4	0.4	0
475	30	Unbiased	0.4	0.4	0
477	30	Unbiased	0.4	0.4	0
478	30	Unbiased	0.4	0.4	0
479	30	Unbiased	0.4	0.4	0
480	30	Unbiased	0.4	0.4	0
481	10	Biased	0.4	0.4	0
482	10	Biased	0.4	0.4	0
483	10	Biased	0.4	0.4	0
484	10	Biased	0.4	0.4	0
485	10	Biased	0.4	0.4	0
487	10	Unbiased	0.4	0.4	0
488	10	Unbiased	0.4	0.4	0
489	10	Unbiased	0.4	0.4	0
490	10	Unbiased	0.4	0.4	0
491	10	Unbiased	0.4	0.4	0
492	3	Biased	0.4	0.4	0
493	3	Biased	0.4	0.4	0
494	3	Biased	0.4	0.4	0
495	3	Biased	0.4	0.4	0
496	3	Biased	0.4	0.4	0
497	3	Unbiased	0.4	0.4	0
498	3	Unbiased	0.4	0.4	0
499	3	Unbiased	0.4	0.4	0
500	3	Unbiased	0.4	0.4	0
502	3	Unbiased	0.4	0.4	0

Test Statistics ()

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	0.4	0.4	0.4	0	0.4	0.4	0.4	0	0	0	0	0
3	0.4	0.4	0.4	0	0.4	0.4	0.4	0	0	0	0	0
10	0.4	0.4	0.4	0	0.4	0.4	0.4	0	0	0	0	0
30	0.4	0.4	0.4	0	0.4	0.4	0.4	0	0	0	0	0
50	0.4	0.4	0.4	0	0.4	0.4	0.4	0	0	0	0	0
100	0.4	0.4	0.4	0	0.4	0.4	0.4	0	0	0	0	0

e Test: 24.131 SYNC_IN_DUTY_CYCLE_RANGE(UTYCYCLE|GNG_60%/SYNC1/14//OPEN//@SYNC_IN_DUTY_CYCLE_RA





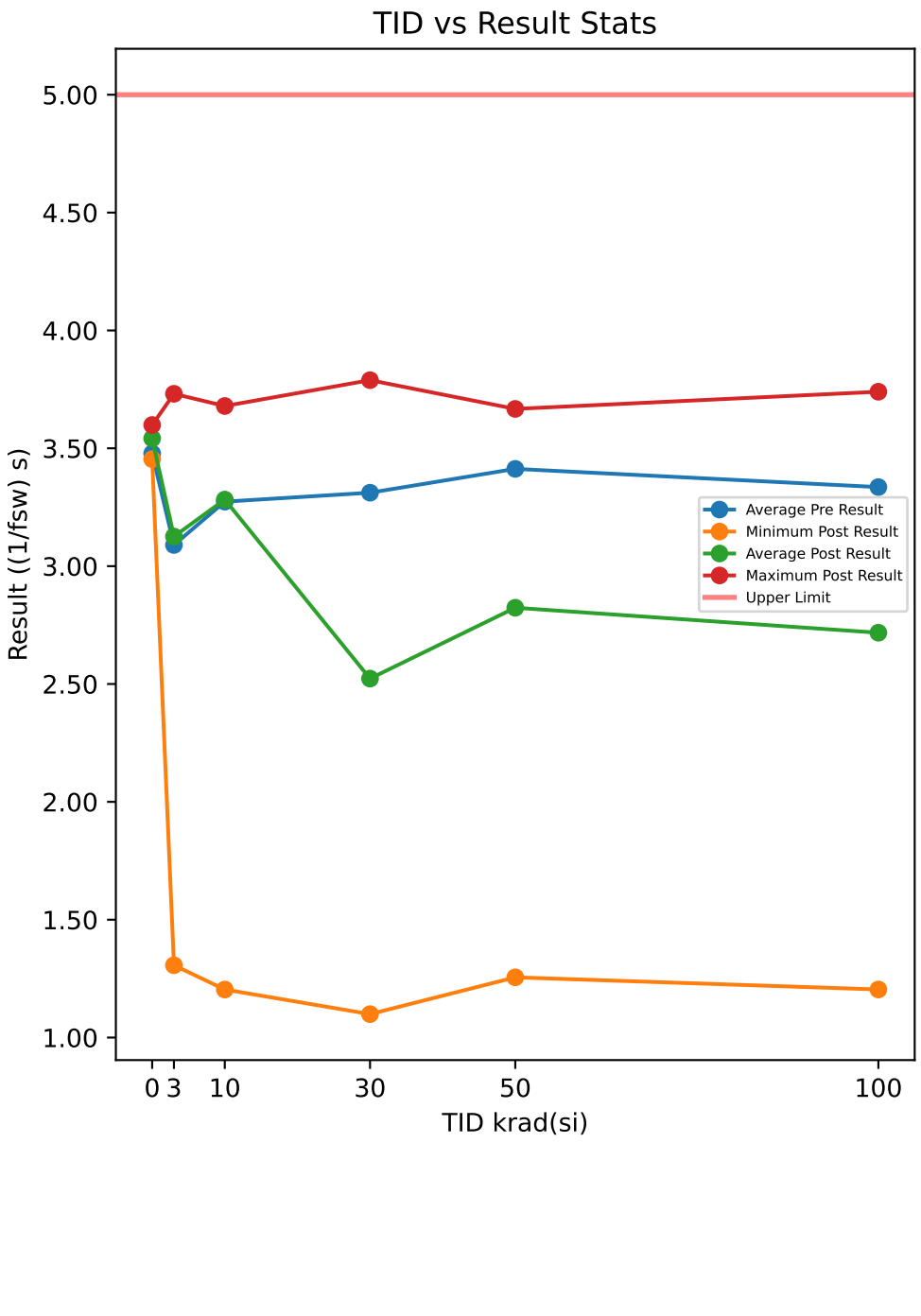
Test Results (Lower Limit = 0.4, Upper Limit = 0.6 ())

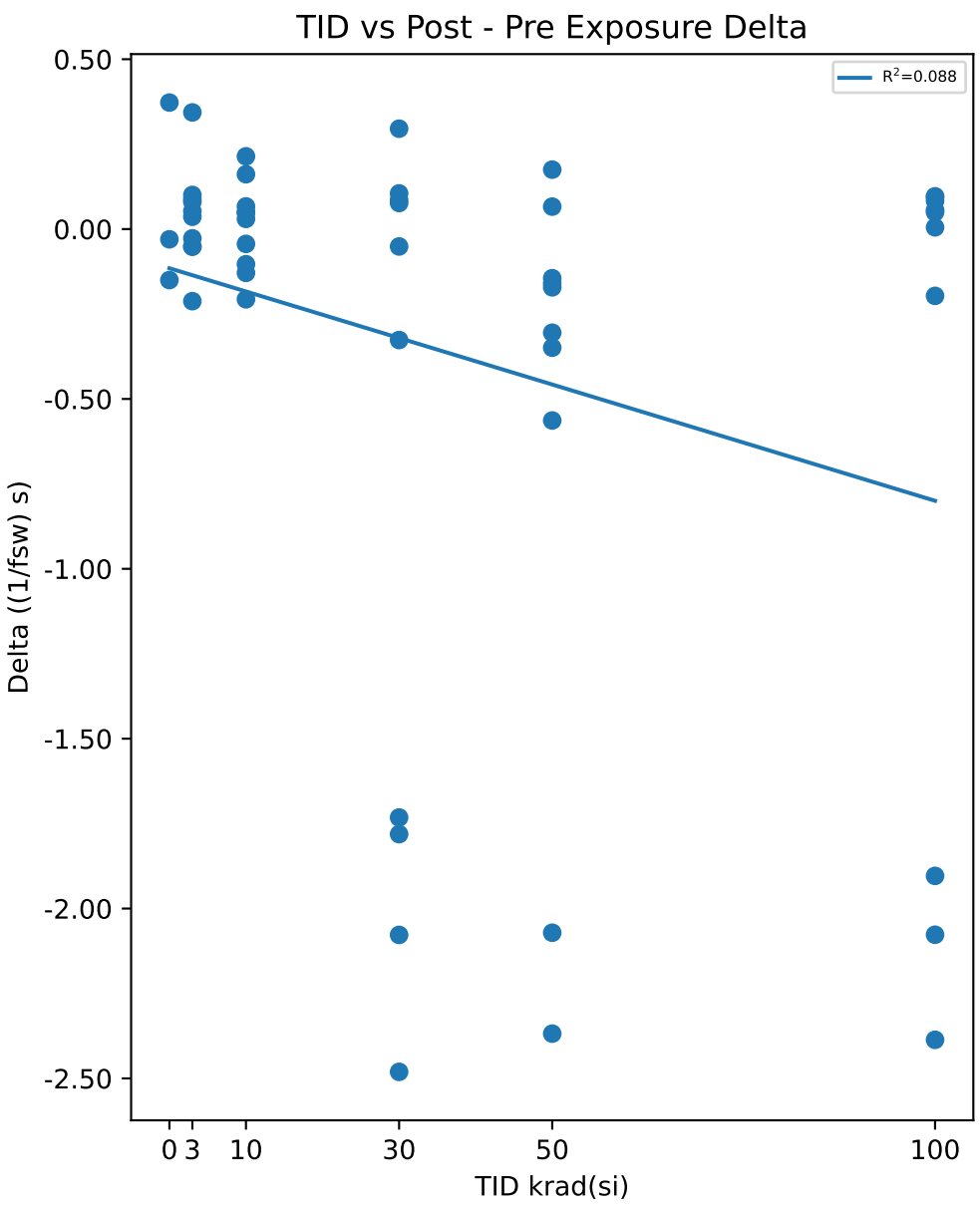
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
390	100	Biased	0.6	0.6	0
392	100	Biased	0.6	0.6	0
393	100	Biased	0.6	0.6	0
394	100	Biased	0.6	0.6	0
395	100	Biased	0.6	0.6	0
412	100	Unbiased	0.6	0.6	0
413	100	Unbiased	0.6	0.6	0
414	100	Unbiased	0.6	0.6	0
415	100	Unbiased	0.6	0.6	0
416	100	Unbiased	0.6	0.6	0
417	50	Biased	0.6	0.6	0
418	50	Biased	0.6	0.6	0
419	50	Biased	0.6	0.6	0
421	50	Biased	0.6	0.6	0
422	50	Biased	0.6	0.6	0
423	50	Unbiased	0.6	0.6	0
424	50	Unbiased	0.6	0.6	0
425	50	Unbiased	0.6	0.6	0
426	50	Unbiased	0.6	0.6	0
427	50	Unbiased	0.6	0.6	0
463	0	Corr	0.6	0.6	0
464	0	Corr	0.6	0.6	0
465	0	Corr	0.6	0.6	0
466	30	Biased	0.6	0.6	0
469	30	Biased	0.6	0.6	0
470	30	Biased	0.6	0.6	0
472	30	Biased	0.6	0.6	0
474	30	Biased	0.6	0.6	0
475	30	Unbiased	0.6	0.6	0
477	30	Unbiased	0.6	0.6	0
478	30	Unbiased	0.6	0.6	0
479	30	Unbiased	0.6	0.6	0
480	30	Unbiased	0.6	0.6	0
481	10	Biased	0.6	0.6	0
482	10	Biased	0.6	0.6	0
483	10	Biased	0.6	0.6	0
484	10	Biased	0.6	0.6	0
485	10	Biased	0.6	0.6	0
487	10	Unbiased	0.6	0.6	0
488	10	Unbiased	0.6	0.6	0
489	10	Unbiased	0.6	0.6	0
490	10	Unbiased	0.6	0.6	0
491	10	Unbiased	0.6	0.6	0
492	3	Biased	0.6	0.6	0
493	3	Biased	0.6	0.6	0
494	3	Biased	0.6	0.6	0
495	3	Biased	0.6	0.6	0
496	3	Biased	0.6	0.6	0
497	3	Unbiased	0.6	0.6	0
498	3	Unbiased	0.6	0.6	0
499	3	Unbiased	0.6	0.6	0
500	3	Unbiased	0.6	0.6	0
502	3	Unbiased	0.6	0.6	0

Test Statistics ()

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	0.6	0.6	0.6	0	0.6	0.6	0.6	0	0	0	0	0
3	0.6	0.6	0.6	0	0.6	0.6	0.6	0	0	0	0	0
10	0.6	0.6	0.6	0	0.6	0.6	0.6	0	0	0	0	0
30	0.6	0.6	0.6	0	0.6	0.6	0.6	0	0	0	0	0
50	0.6	0.6	0.6	0	0.6	0.6	0.6	0	0	0	0	0
100	0.6	0.6	0.6	0	0.6	0.6	0.6	0	0	0	0	0

Device Test: 24.132 T_CLOCK_DET(TIMING|CLKDETECT/SYNC1/14//511k//@T_CLOCK_DET)





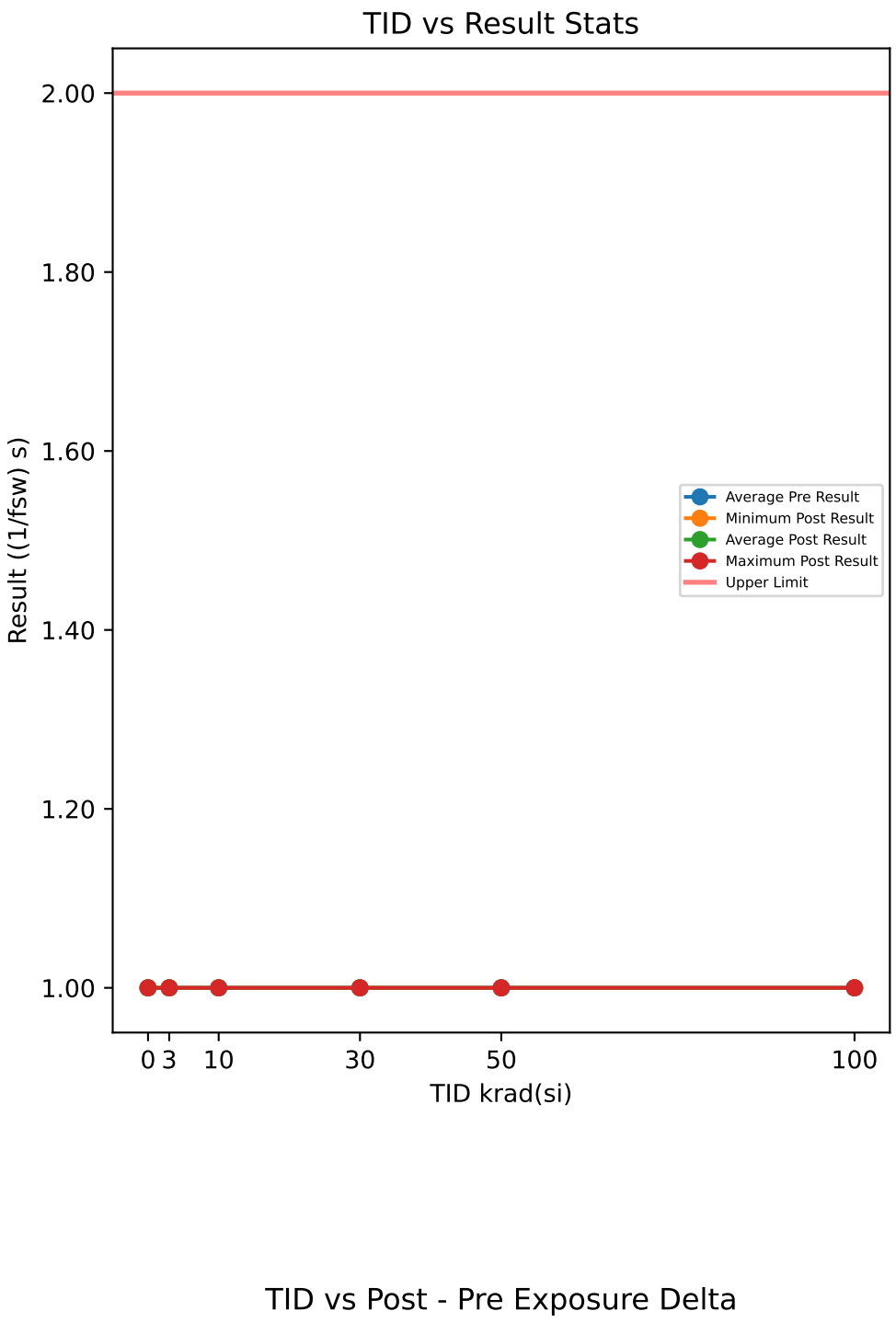
Test Results (Upper Limit = 5.0 ((1/fsw) s))

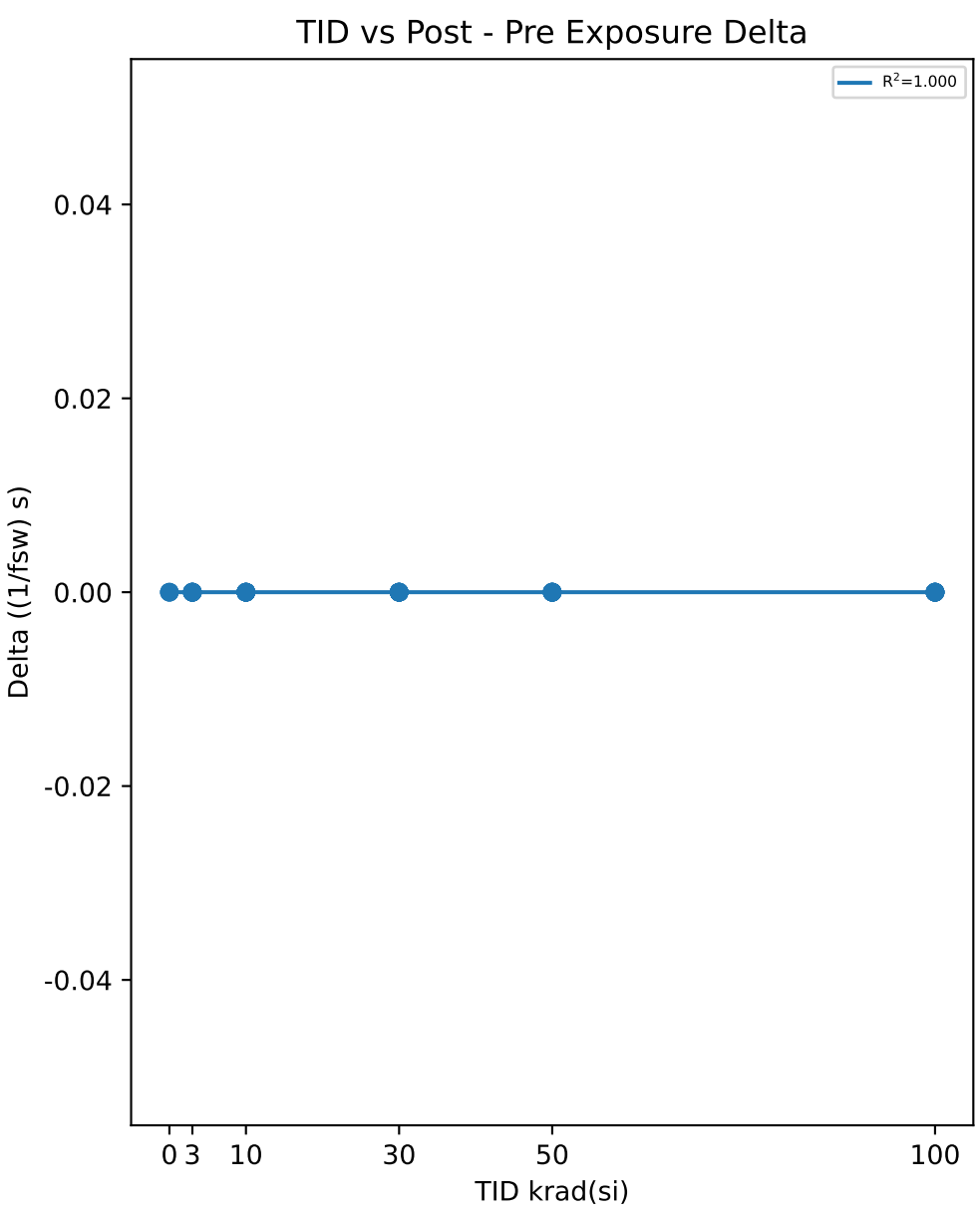
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
390	100	Biased	3.3625	3.4122	0.0497
392	100	Biased	3.6006	3.6057	0.0051
393	100	Biased	3.5376	3.6206	0.083
394	100	Biased	3.6436	3.7399	0.0963
395	100	Biased	1.4115	1.5064	0.0949
412	100	Unbiased	3.5904	1.204	-2.3864
413	100	Unbiased	3.3819	1.3048	-2.0771
414	100	Unbiased	3.7549	3.5583	-0.1966
415	100	Unbiased	3.5478	3.6038	0.056
416	100	Unbiased	3.5237	1.6198	-1.9039
417	50	Biased	3.6167	3.4721	-0.1446
418	50	Biased	3.5723	3.6384	0.0661
419	50	Biased	3.8882	1.52	-2.3682
421	50	Biased	1.8189	1.2555	-0.5634
422	50	Biased	3.4921	3.6671	0.175
423	50	Unbiased	3.3631	3.014	-0.3491
424	50	Unbiased	3.7496	3.59	-0.1596
425	50	Unbiased	3.379	1.3078	-2.0712
426	50	Unbiased	3.696	3.3909	-0.3051
427	50	Unbiased	3.5508	3.3793	-0.1715
463	0	Corr	3.2264	3.5988	0.3724
464	0	Corr	3.604	3.4539	-0.1501
465	0	Corr	3.6029	3.5728	-0.0301
466	30	Biased	3.5078	3.5845	0.0767
469	30	Biased	3.177	1.0994	-2.0776
470	30	Biased	1.7283	1.4017	-0.3266
472	30	Biased	3.6847	1.204	-2.4807
474	30	Biased	3.7466	2.0146	-1.732
475	30	Unbiased	3.5798	3.5286	-0.0512
477	30	Unbiased	3.604	3.709	0.105
478	30	Unbiased	3.2948	3.5903	0.2955
479	30	Unbiased	3.0892	1.3082	-1.781
480	30	Unbiased	3.7033	3.789	0.0857
481	10	Biased	3.6126	3.6794	0.0668
482	10	Biased	3.4514	3.502	0.0506
483	10	Biased	1.3072	1.2038	-0.1034
484	10	Biased	3.6003	3.5566	-0.0437
485	10	Biased	3.1363	3.3504	0.2141
487	10	Unbiased	3.5748	3.4459	-0.1289
488	10	Unbiased	3.539	3.3323	-0.2067
489	10	Unbiased	3.3123	3.4737	0.1614
490	10	Unbiased	3.6347	3.6647	0.03
491	10	Unbiased	3.5679	3.6151	0.0472
492	3	Biased	3.6276	3.4154	-0.2122
493	3	Biased	3.5513	3.6517	0.1004
494	3	Biased	3.3612	3.7046	0.3434
495	3	Biased	1.3585	1.3068	-0.0517
496	3	Biased	3.6432	3.7311	0.0879
497	3	Unbiased	3.5474	3.6003	0.0529
498	3	Unbiased	1.3586	1.3073	-0.0513
499	3	Unbiased	3.6437	3.6164	-0.0273
500	3	Unbiased	3.4445	3.4808	0.0363
502	3	Unbiased	3.3627	3.4425	0.0798

Test Statistics ((1/fsw) s)

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	3.2264	3.4778	3.604	0.21769	3.4539	3.5418	3.5988	0.077254	-0.1501	0.064067	0.3724	0.27368
3	1.3585	3.0899	3.6437	0.91852	1.3068	3.1257	3.7311	0.96435	-0.2122	0.03582	0.3434	0.14316
10	1.3072	3.2736	3.6347	0.70856	1.2038	3.2824	3.6794	0.74004	-0.2067	0.00874	0.2141	0.13048
30	1.7283	3.3115	3.7466	0.60115	1.0994	2.5229	3.789	1.2039	-2.4807	-0.78862	0.2955	1.0875
50	1.8189	3.4127	3.8882	0.58273	1.2555	2.8235	3.6671	1.0277	-2.3682	-0.58916	0.175	0.88634
100	1.4115	3.3355	3.7549	0.68573	1.204	2.7176	3.7399	1.1345	-2.3864	-0.6179	0.0963	1.048

Device Test: 24.133 T_CLOCK_DET_EXT(TIMING|CLKDETECT/SYNC1/14//511k//@T_CLOCK_DET_EXT)





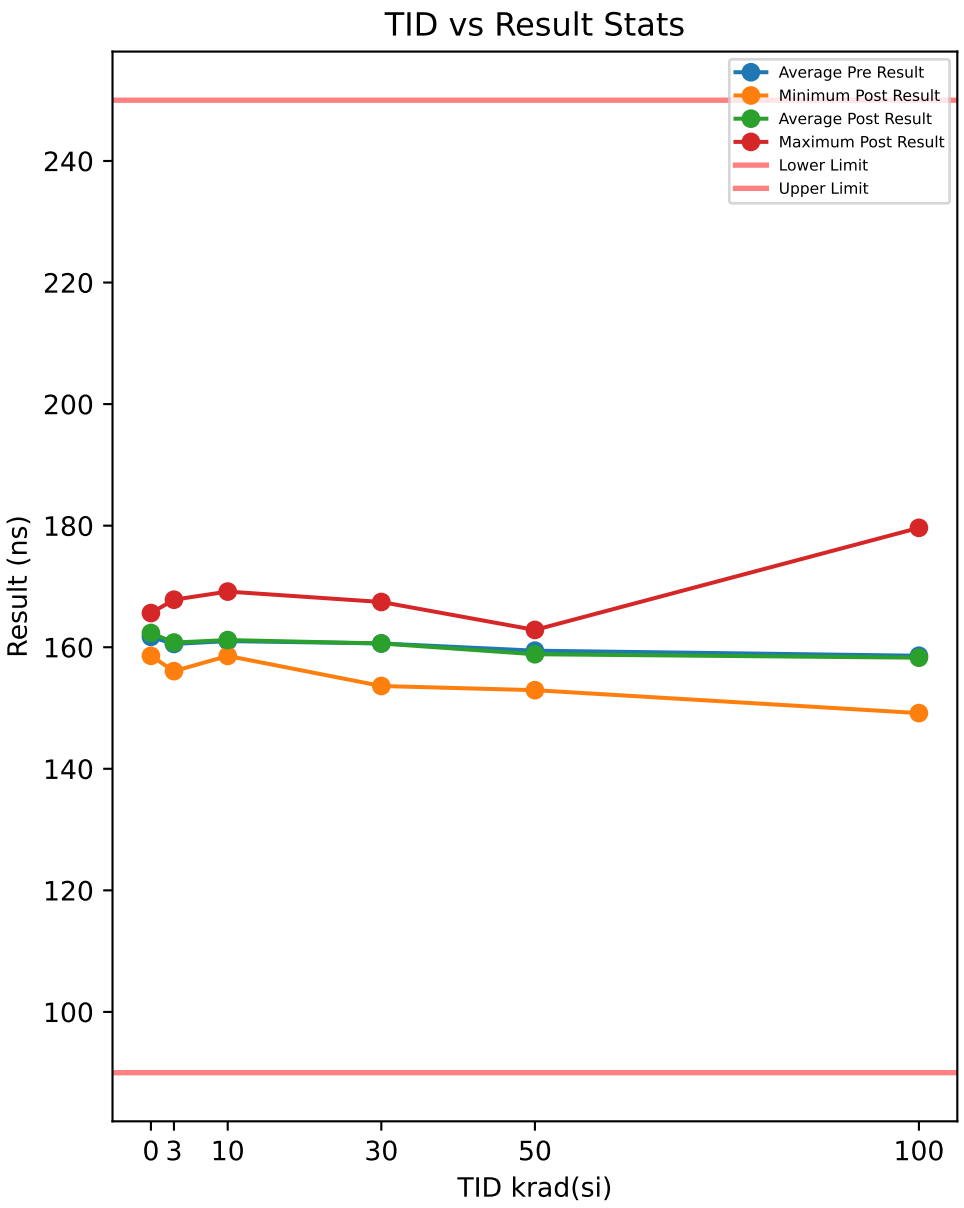
Test Results (Upper Limit = 2.0 ((1/fsw) s))

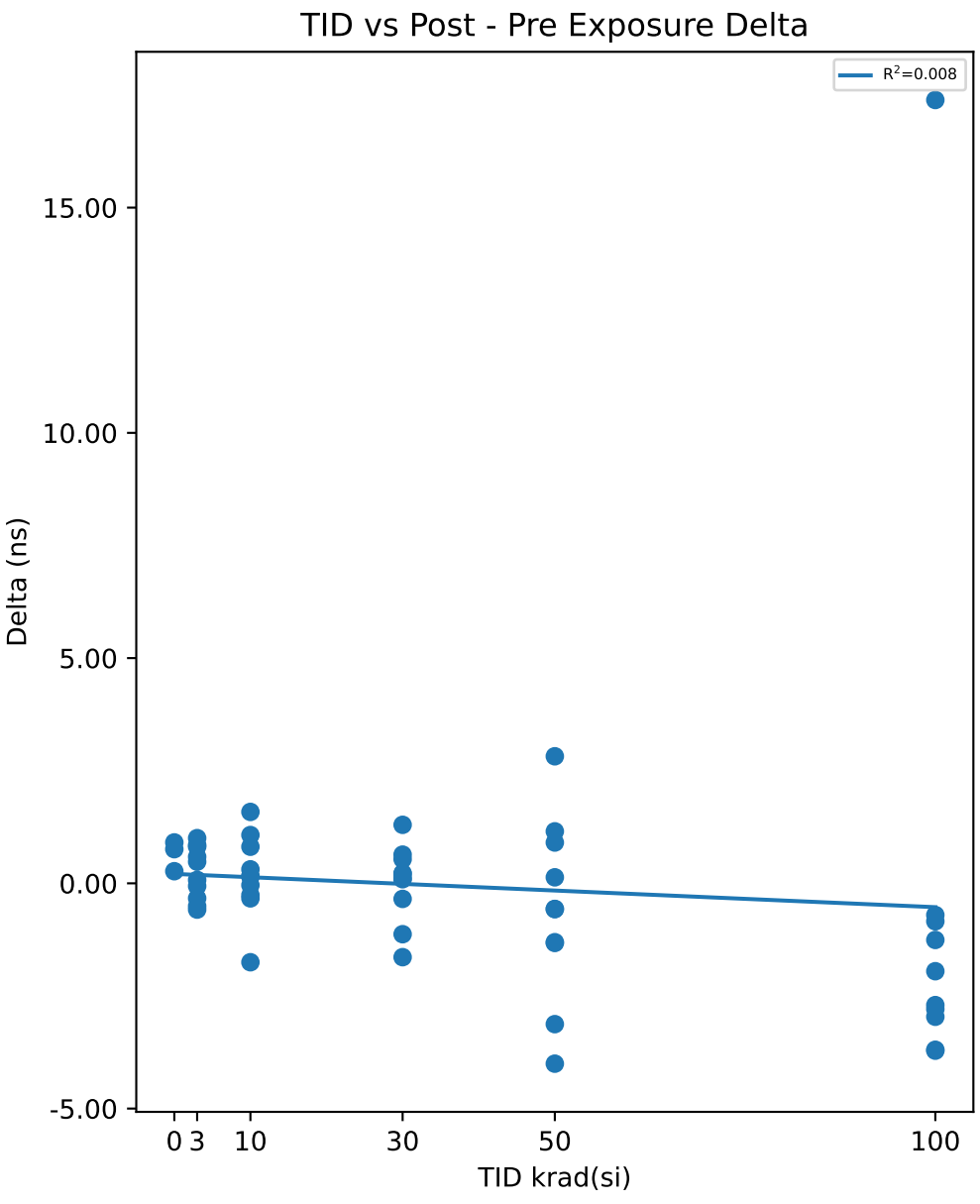
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
390	100	Biased	1	1	0
392	100	Biased	1	1	0
393	100	Biased	1	1	0
394	100	Biased	1	1	0
395	100	Biased	1	1	0
412	100	Unbiased	1	1	0
413	100	Unbiased	1	1	0
414	100	Unbiased	1	1	0
415	100	Unbiased	1	1	0
416	100	Unbiased	1	1	0
417	50	Biased	1	1	0
418	50	Biased	1	1	0
419	50	Biased	1	1	0
421	50	Biased	1	1	0
422	50	Biased	1	1	0
423	50	Unbiased	1	1	0
424	50	Unbiased	1	1	0
425	50	Unbiased	1	1	0
426	50	Unbiased	1	1	0
427	50	Unbiased	1	1	0
463	0	Corr	1	1	0
464	0	Corr	1	1	0
465	0	Corr	1	1	0
466	30	Biased	1	1	0
469	30	Biased	1	1	0
470	30	Biased	1	1	0
472	30	Biased	1	1	0
474	30	Biased	1	1	0
475	30	Unbiased	1	1	0
477	30	Unbiased	1	1	0
478	30	Unbiased	1	1	0
479	30	Unbiased	1	1	0
480	30	Unbiased	1	1	0
481	10	Biased	1	1	0
482	10	Biased	1	1	0
483	10	Biased	1	1	0
484	10	Biased	1	1	0
485	10	Biased	1	1	0
487	10	Unbiased	1	1	0
488	10	Unbiased	1	1	0
489	10	Unbiased	1	1	0
490	10	Unbiased	1	1	0
491	10	Unbiased	1	1	0
492	3	Biased	1	1	0
493	3	Biased	1	1	0
494	3	Biased	1	1	0
495	3	Biased	1	1	0
496	3	Biased	1	1	0
497	3	Unbiased	1	1	0
498	3	Unbiased	1	1	0
499	3	Unbiased	1	1	0
500	3	Unbiased	1	1	0
502	3	Unbiased	1	1	0

Test Statistics ((1/fsw) s)

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	1	1	1	0	1	1	1	0	0	0	0	0
3	1	1	1	0	1	1	1	0	0	0	0	0
10	1	1	1	0	1	1	1	0	0	0	0	0
30	1	1	1	0	1	1	1	0	0	0	0	0
50	1	1	1	0	1	1	1	0	0	0	0	0
100	1	1	1	0	1	1	1	0	0	0	0	0

Device Test: 24.136 SYNC1_SW_DELAY_OUTPUT(TIMING|DELAY/SYNC1/14//511k//@SYNC1_SW_DELAY_OUTPUT)





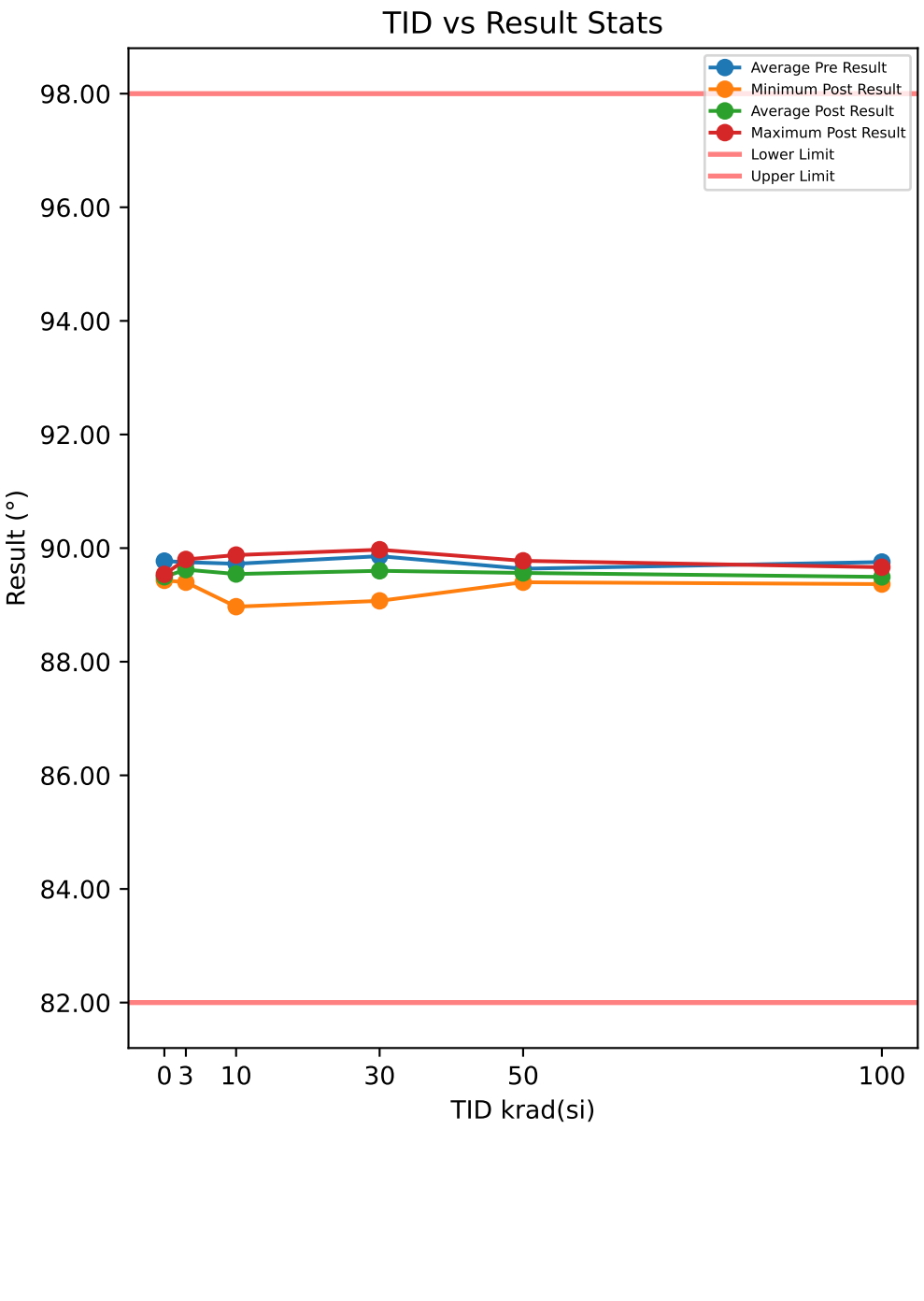
Test Results (Lower Limit = 90.0, Upper Limit = 250.0 (ns))

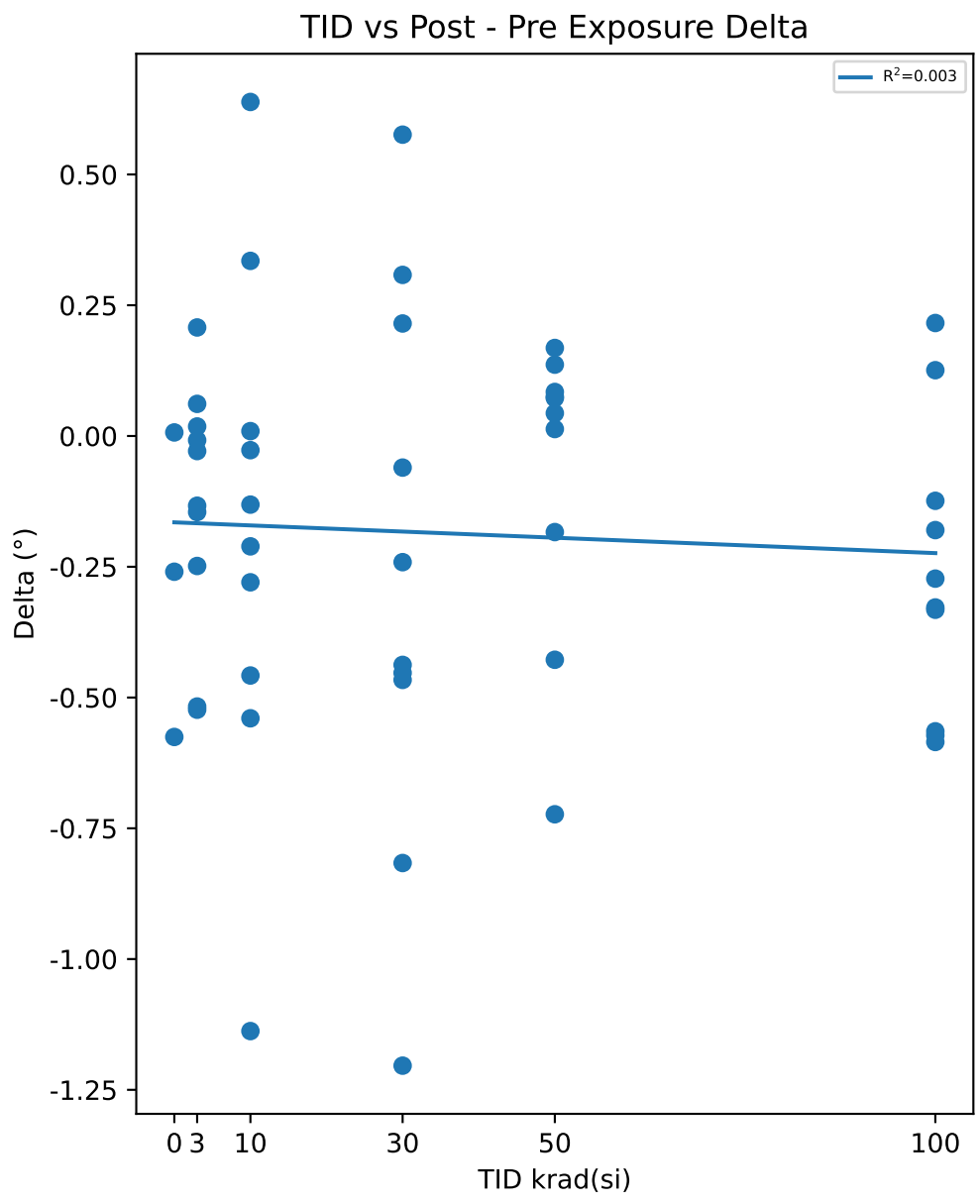
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
390	100	Biased	157	154.3	-2.7031
392	100	Biased	157.83	157.13	-0.7032
393	100	Biased	155.4	151.7	-3.6946
394	100	Biased	156.01	155.16	-0.8427
395	100	Biased	158.66	154.94	-3.715
412	100	Unbiased	160.62	158.67	-1.9511
413	100	Unbiased	152.12	149.16	-2.9622
414	100	Unbiased	164.27	163.01	-1.2569
415	100	Unbiased	162.25	179.64	17.39
416	100	Unbiased	161.84	159.05	-2.7914
417	50	Biased	160.82	161.97	1.1538
418	50	Biased	162.13	162.26	0.1333
419	50	Biased	157.3	155.99	-1.3069
421	50	Biased	159.06	157.74	-1.3237
422	50	Biased	160.02	162.84	2.8201
423	50	Unbiased	163.09	159.97	-3.126
424	50	Unbiased	157.88	157.31	-0.5724
425	50	Unbiased	162.2	158.19	-4.0036
426	50	Unbiased	159.81	159.24	-0.5685
427	50	Unbiased	152.03	152.93	0.9058
463	0	Corr	157.68	158.59	0.9081
464	0	Corr	162.56	162.83	0.2689
465	0	Corr	164.87	165.62	0.7578
466	30	Biased	164.56	164.78	0.2251
469	30	Biased	153.41	153.62	0.2065
470	30	Biased	157.04	156.69	-0.3458
472	30	Biased	159.44	158.31	-1.1294
474	30	Biased	161.39	161.93	0.5354
475	30	Unbiased	164.08	164.2	0.1122
477	30	Unbiased	167.35	167.44	0.0913
478	30	Unbiased	156.09	157.39	1.2987
479	30	Unbiased	160.87	159.23	-1.6393
480	30	Unbiased	161.98	162.62	0.6371
481	10	Biased	164.73	164.88	0.1433
482	10	Biased	160.42	161.49	1.0717
483	10	Biased	158.91	158.57	-0.3337
484	10	Biased	159.8	160.11	0.3103
485	10	Biased	157.49	159.07	1.5853
487	10	Unbiased	159.41	159.37	-0.0408
488	10	Unbiased	159.48	160.29	0.8124
489	10	Unbiased	160.52	158.77	-1.7518
490	10	Unbiased	169.42	169.16	-0.2611
491	10	Unbiased	159.91	160.08	0.1683
492	3	Biased	158.89	159.37	0.4804
493	3	Biased	160.23	160.17	-0.0617
494	3	Biased	158.31	159.16	0.8499
495	3	Biased	156.4	156.07	-0.331
496	3	Biased	163.08	163.89	0.8129
497	3	Unbiased	161.37	161.96	0.5891
498	3	Unbiased	156.23	157.23	1.0033
499	3	Unbiased	167.74	167.82	0.0759
500	3	Unbiased	163.71	163.13	-0.5832
502	3	Unbiased	159.42	158.92	-0.5067

Test Statistics (ns)

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	157.68	161.7	164.87	3.6696	158.59	162.35	165.62	3.5431	0.2689	0.64493	0.9081	0.33421
3	156.23	160.54	167.74	3.5566	156.07	160.77	167.82	3.4863	-0.5832	0.23289	1.0033	0.59078
10	157.49	161.01	169.42	3.4887	158.57	161.18	169.16	3.3479	-1.7518	0.17039	1.5853	0.90839
30	153.41	160.62	167.35	4.2429	153.62	160.62	167.44	4.2753	-1.6393	-0.00082	1.2987	0.85478
50	152.03	159.43	163.09	3.2085	152.93	158.84	162.84	3.0908	-4.0036	-0.58881	2.8201	2.0157
100	152.12	158.6	164.27	3.6841	149.16	158.28	179.64	8.4591	-3.715	-0.32305	17.39	6.3182

Device Test: 24.137 SYNC_PH_SHIFT(TIMING|PHASESHIFT/SYNC1/14//511k//@SYNC_PH_SHIFT)





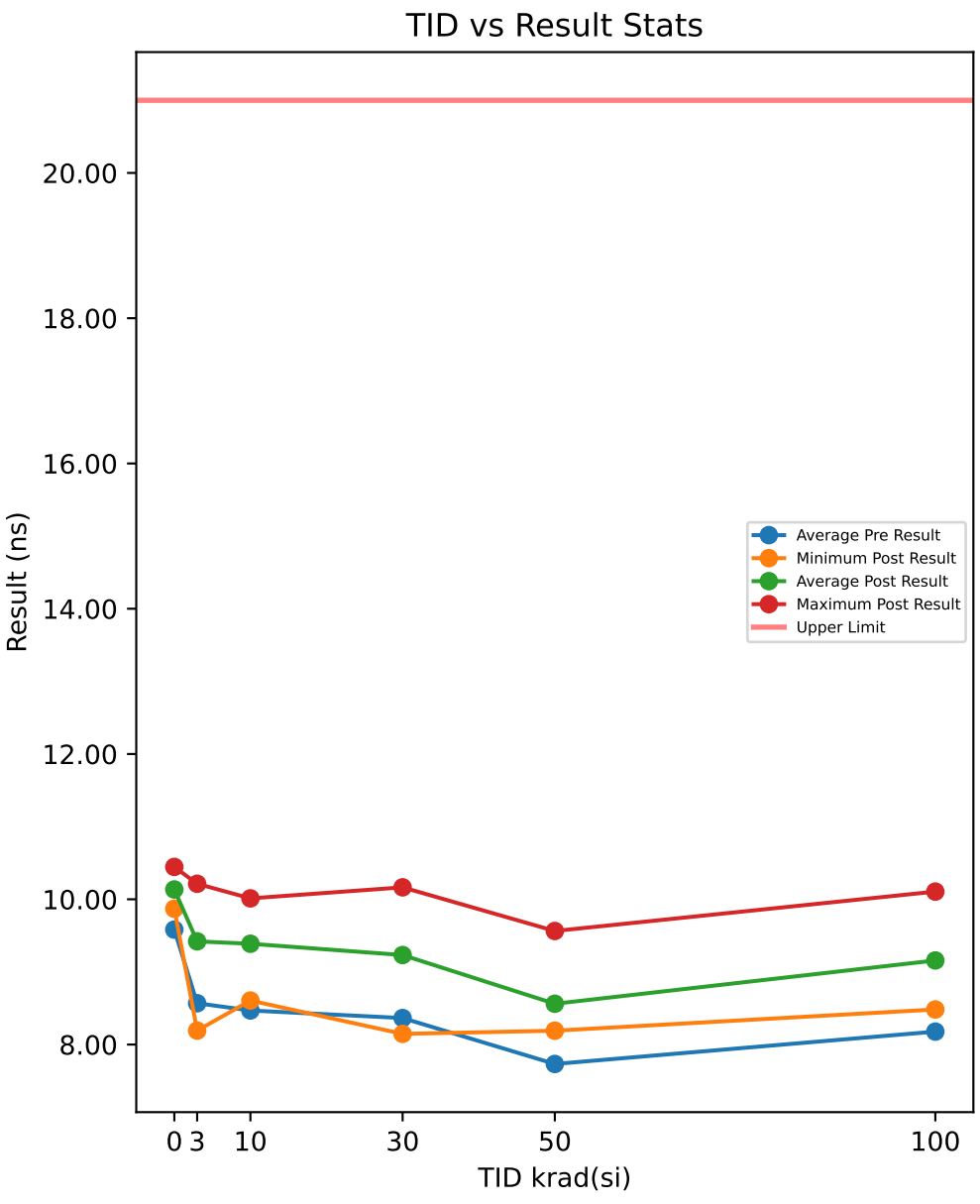
Test Results (Lower Limit = 82.0, Upper Limit = 98.0 (°))

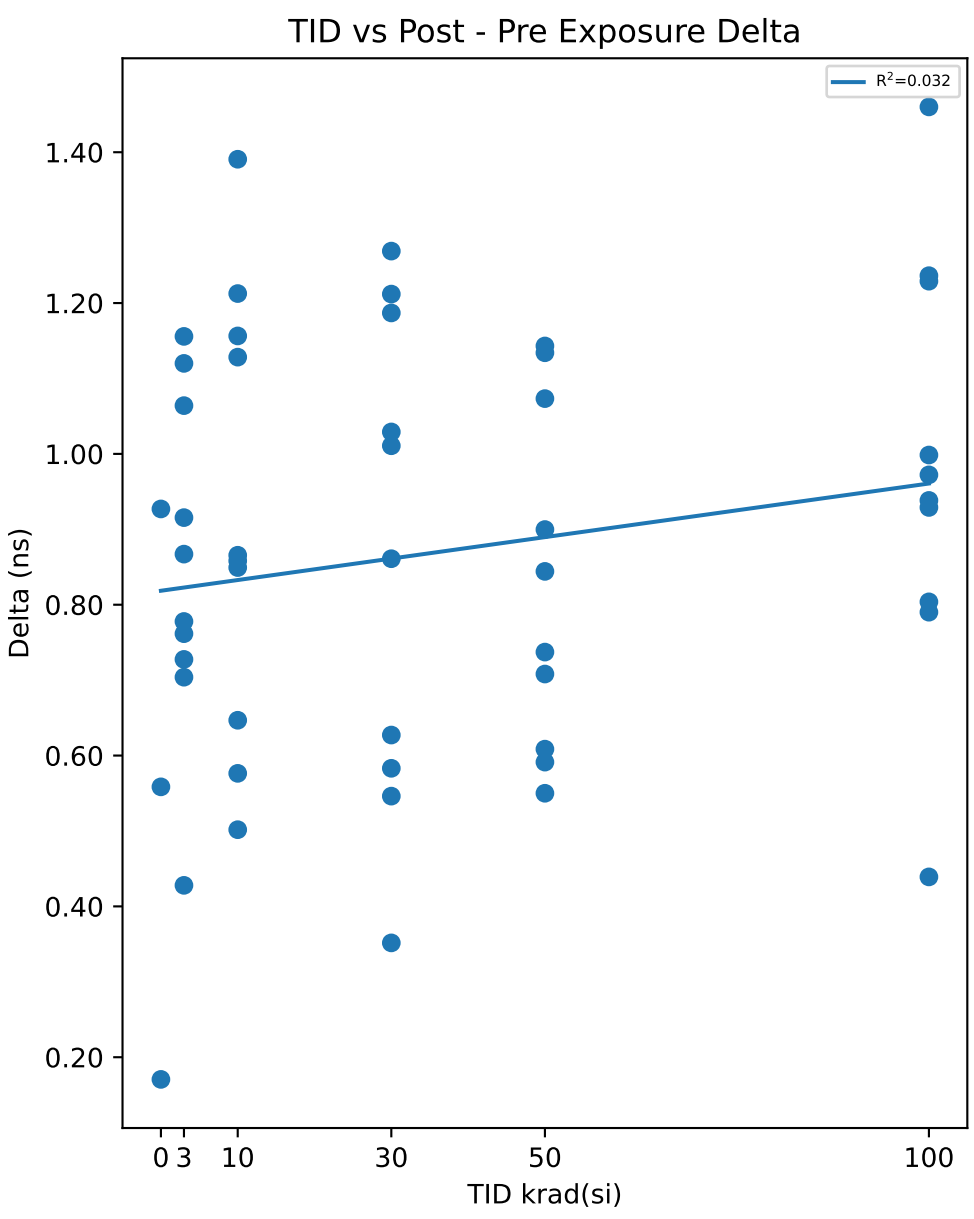
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
390	100	Biased	89.523	89.649	0.1258
392	100	Biased	89.961	89.388	-0.5723
393	100	Biased	89.996	89.663	-0.3322
394	100	Biased	89.286	89.502	0.216
395	100	Biased	90.047	89.482	-0.5646
412	100	Unbiased	89.724	89.396	-0.3278
413	100	Unbiased	89.49	89.367	-0.1239
414	100	Unbiased	89.643	89.37	-0.2727
415	100	Unbiased	89.841	89.661	-0.1799
416	100	Unbiased	90.037	89.453	-0.585
417	50	Biased	89.408	89.576	0.1683
418	50	Biased	89.835	89.407	-0.4278
419	50	Biased	90.123	89.399	-0.7232
421	50	Biased	89.64	89.776	0.1364
422	50	Biased	89.626	89.442	-0.1837
423	50	Unbiased	89.492	89.536	0.0436
424	50	Unbiased	89.643	89.718	0.0752
425	50	Unbiased	89.434	89.506	0.0725
426	50	Unbiased	89.543	89.556	0.0133
427	50	Unbiased	89.627	89.711	0.0842
463	0	Corr	89.508	89.515	0.0068
464	0	Corr	89.798	89.538	-0.2595
465	0	Corr	90.008	89.433	-0.5754
466	30	Biased	89.757	89.972	0.2151
469	30	Biased	90.198	89.745	-0.4529
470	30	Biased	89.722	89.662	-0.0604
472	30	Biased	89.617	89.925	0.308
474	30	Biased	90.198	89.382	-0.8164
475	30	Unbiased	89.707	89.466	-0.2412
477	30	Unbiased	89.236	89.812	0.5761
478	30	Unbiased	90.278	89.841	-0.4376
479	30	Unbiased	89.593	89.126	-0.4663
480	30	Unbiased	90.275	89.072	-1.2038
481	10	Biased	89.576	89.365	-0.211
482	10	Biased	90.175	89.037	-1.1377
483	10	Biased	90.241	89.702	-0.5397
484	10	Biased	89.552	89.42	-0.1312
485	10	Biased	89.239	89.878	0.6386
487	10	Unbiased	89.479	89.814	0.3348
488	10	Unbiased	89.795	89.768	-0.0271
489	10	Unbiased	89.249	88.969	-0.2797
490	10	Unbiased	90.079	89.621	-0.4579
491	10	Unbiased	89.856	89.865	0.0093
492	3	Biased	89.522	89.729	0.2075
493	3	Biased	89.953	89.43	-0.5233
494	3	Biased	89.741	89.712	-0.0288
495	3	Biased	89.593	89.611	0.0182
496	3	Biased	89.916	89.399	-0.5172
497	3	Unbiased	89.686	89.678	-0.008
498	3	Unbiased	89.946	89.801	-0.1454
499	3	Unbiased	89.567	89.628	0.0614
500	3	Unbiased	89.767	89.519	-0.2485
502	3	Unbiased	89.835	89.701	-0.1333

Test Statistics (°)

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	89.508	89.771	90.008	0.25074	89.433	89.495	89.538	0.055645	-0.5754	-0.27603	0.0068	0.29145
3	89.522	89.753	89.953	0.15969	89.399	89.621	89.801	0.13259	-0.5233	-0.13174	0.2075	0.23956
10	89.239	89.724	90.241	0.36384	88.969	89.544	89.878	0.33384	-1.1377	-0.18016	0.6386	0.48665
30	89.236	89.858	90.278	0.35714	89.072	89.6	89.972	0.32336	-1.2038	-0.25794	0.5761	0.5374
50	89.408	89.637	90.123	0.21046	89.399	89.563	89.776	0.13391	-0.7232	-0.07412	0.1683	0.28903
100	89.286	89.755	90.047	0.26455	89.367	89.493	89.663	0.12236	-0.585	-0.26166	0.216	0.28013

Device Test: 24.138 SYNC_LH_RISE_TIME(TIMING|RISE/SYNC1/14//511k//@SYNC_LH_RISE_TIME)





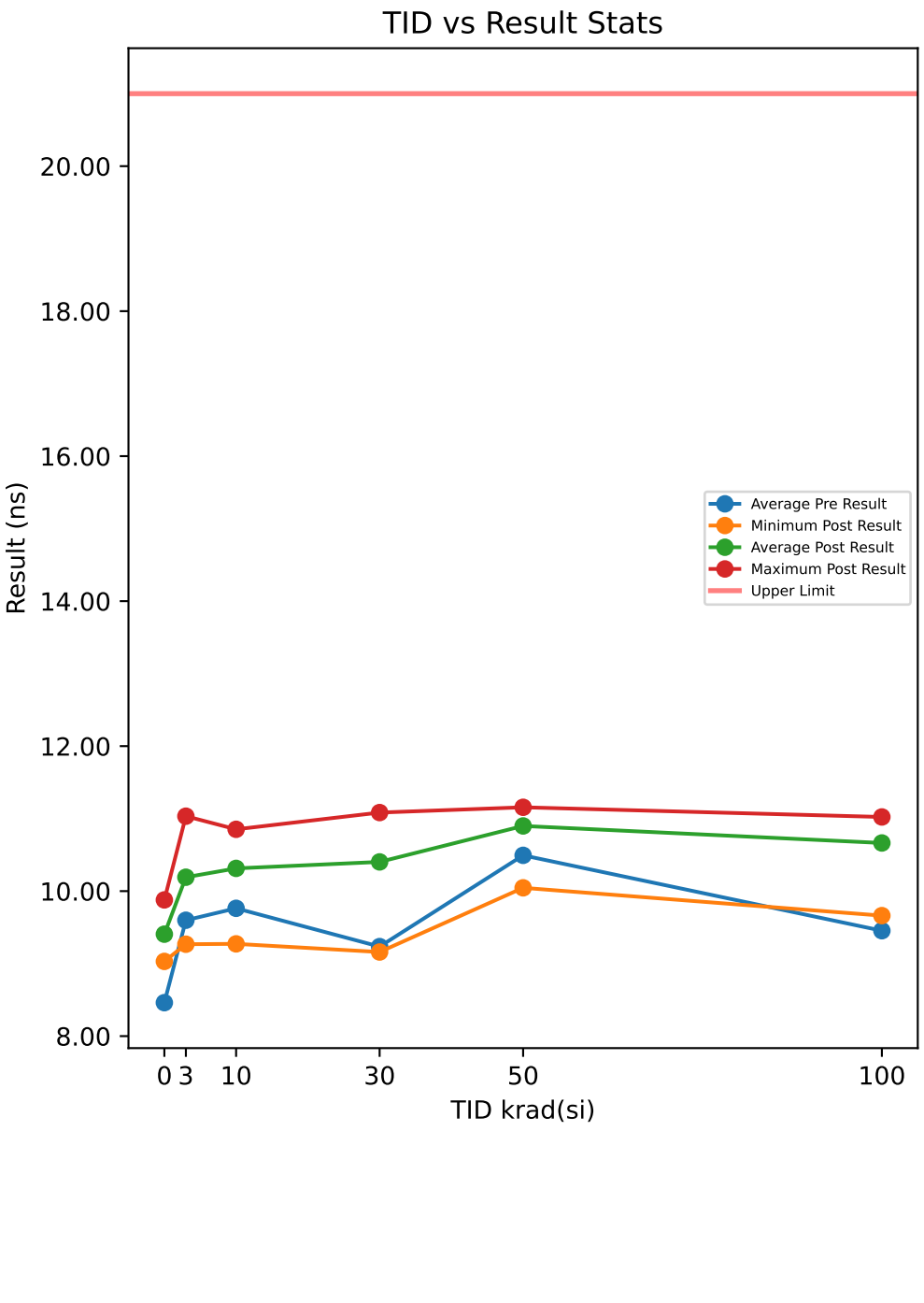
Test Results (Upper Limit = 21.0 (ns))

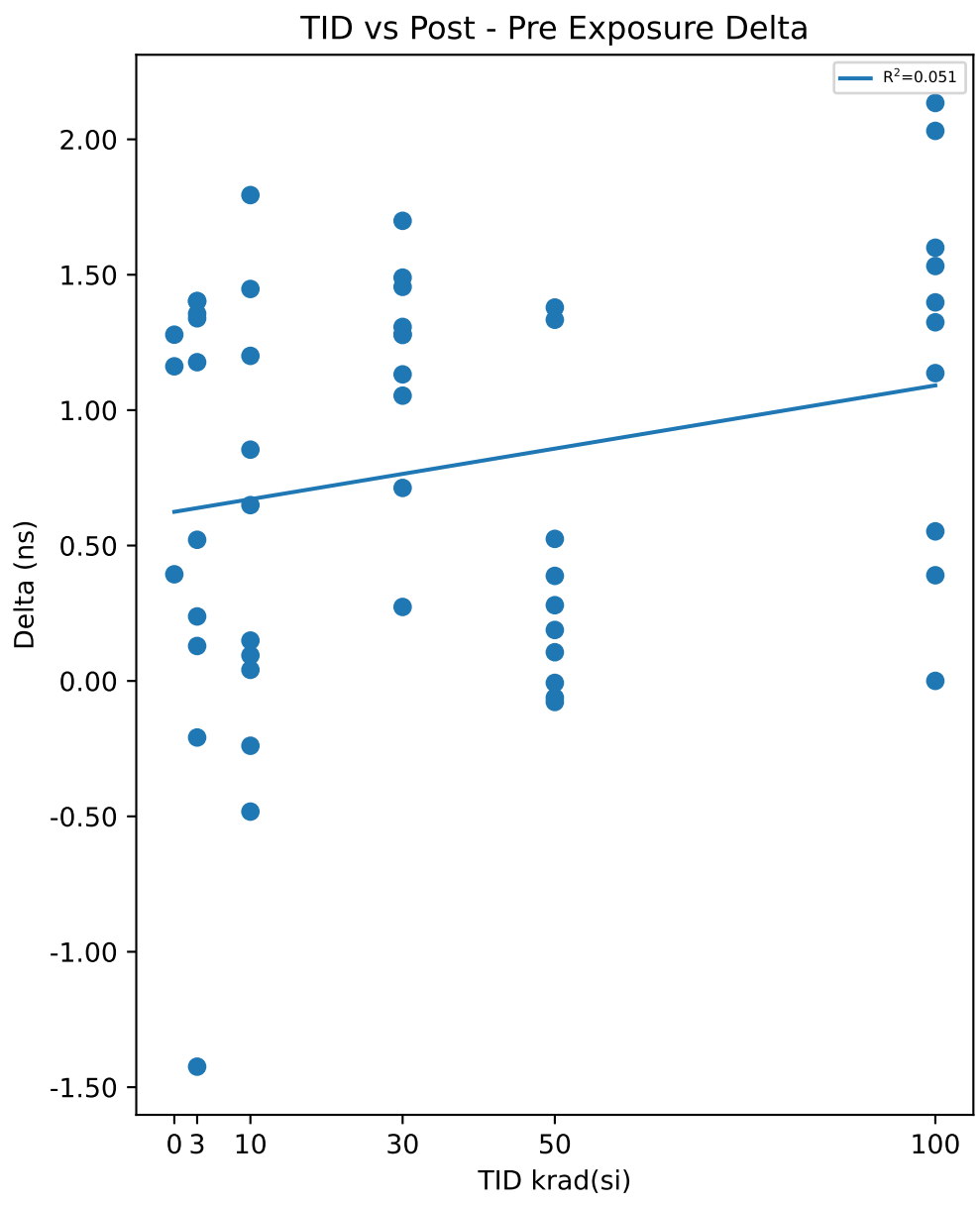
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
390	100	Biased	9.6666	10.106	0.4391
392	100	Biased	8.1302	9.3665	1.2363
393	100	Biased	7.8398	8.812	0.9722
394	100	Biased	8.3027	9.5317	1.229
395	100	Biased	7.6791	8.4829	0.8038
412	100	Unbiased	8.0078	9.4679	1.4601
413	100	Unbiased	8.6991	9.6374	0.9383
414	100	Unbiased	7.7609	8.6899	0.929
415	100	Unbiased	7.499	8.4975	0.9985
416	100	Unbiased	8.1958	8.9859	0.7901
417	50	Biased	7.6258	8.2343	0.6085
418	50	Biased	7.6406	8.1906	0.55
419	50	Biased	7.5867	8.4864	0.8997
421	50	Biased	7.6418	8.2331	0.5913
422	50	Biased	8.4901	9.5634	1.0733
423	50	Unbiased	7.7938	8.638	0.8442
424	50	Unbiased	7.7669	8.901	1.1341
425	50	Unbiased	7.506	8.2432	0.7372
426	50	Unbiased	7.6196	8.7627	1.1431
427	50	Unbiased	7.6552	8.3633	0.7081
463	0	Corr	9.5301	10.089	0.5585
464	0	Corr	8.9432	9.8702	0.927
465	0	Corr	10.275	10.446	0.1706
466	30	Biased	7.6008	8.147	0.5462
469	30	Biased	9.8127	10.164	0.3516
470	30	Biased	8.2476	9.4345	1.1869
472	30	Biased	7.8634	9.0753	1.2119
474	30	Biased	7.7665	8.6275	0.861
475	30	Unbiased	8.3168	9.3276	1.0108
477	30	Unbiased	7.9585	8.5857	0.6272
478	30	Unbiased	8.4294	9.6983	1.2689
479	30	Unbiased	9.5246	10.108	0.5831
480	30	Unbiased	8.1272	9.1563	1.0291
481	10	Biased	7.9075	9.0358	1.1283
482	10	Biased	9.4361	10.012	0.5764
483	10	Biased	7.7476	8.6058	0.8582
484	10	Biased	9.4412	9.9429	0.5017
485	10	Biased	8.0698	9.2824	1.2126
487	10	Unbiased	8.6211	9.4867	0.8656
488	10	Unbiased	8.3483	9.739	1.3907
489	10	Unbiased	8.0523	9.2087	1.1564
490	10	Unbiased	7.8879	8.7372	0.8493
491	10	Unbiased	9.1798	9.8266	0.6468
492	3	Biased	7.9467	9.0107	1.064
493	3	Biased	8.7715	9.6386	0.8671
494	3	Biased	9.2896	10.051	0.7616
495	3	Biased	7.7918	8.5696	0.7778
496	3	Biased	9.2531	9.9806	0.7275
497	3	Unbiased	9.0238	9.9393	0.9155
498	3	Unbiased	7.827	8.947	1.12
499	3	Unbiased	8.5094	9.6652	1.1558
500	3	Unbiased	7.488	8.1919	0.7039
502	3	Unbiased	9.7855	10.213	0.4279

Test Statistics (ns)

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	8.9432	9.5828	10.275	0.66746	9.8702	10.135	10.446	0.29047	0.1706	0.55203	0.927	0.37824
3	7.488	8.5686	9.7855	0.77667	8.1919	9.4207	10.213	0.69462	0.4279	0.85211	1.1558	0.22218
10	7.7476	8.4692	9.4412	0.66079	8.6058	9.3878	10.012	0.49732	0.5017	0.9186	1.3907	0.2955
30	7.6008	8.3647	9.8127	0.73608	8.147	9.2324	10.164	0.65779	0.3516	0.86767	1.2689	0.32257
50	7.506	7.7326	8.4901	0.27854	8.1906	8.5616	9.5634	0.43	0.55	0.82895	1.1431	0.22673
100	7.499	8.1781	9.6666	0.62653	8.4829	9.1577	10.106	0.54443	0.4391	0.97964	1.4601	0.28335

Device Test: 24.139 SYNC_LH_RISE_TIME(TIMING|RISE/SYNC2/14//511k//@SYNC_LH_RISE_TIME)





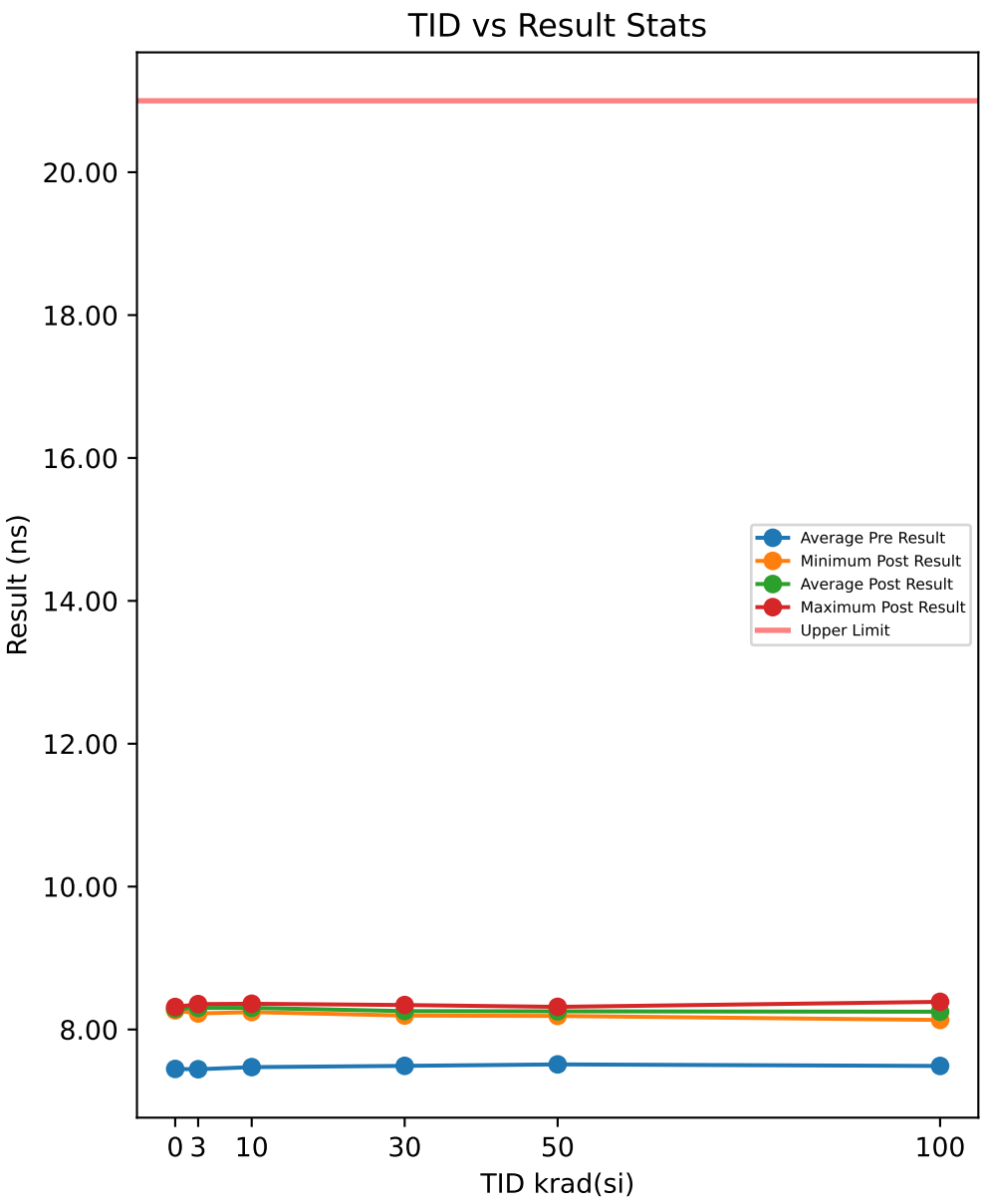
Test Results (Upper Limit = 21.0 (ns))

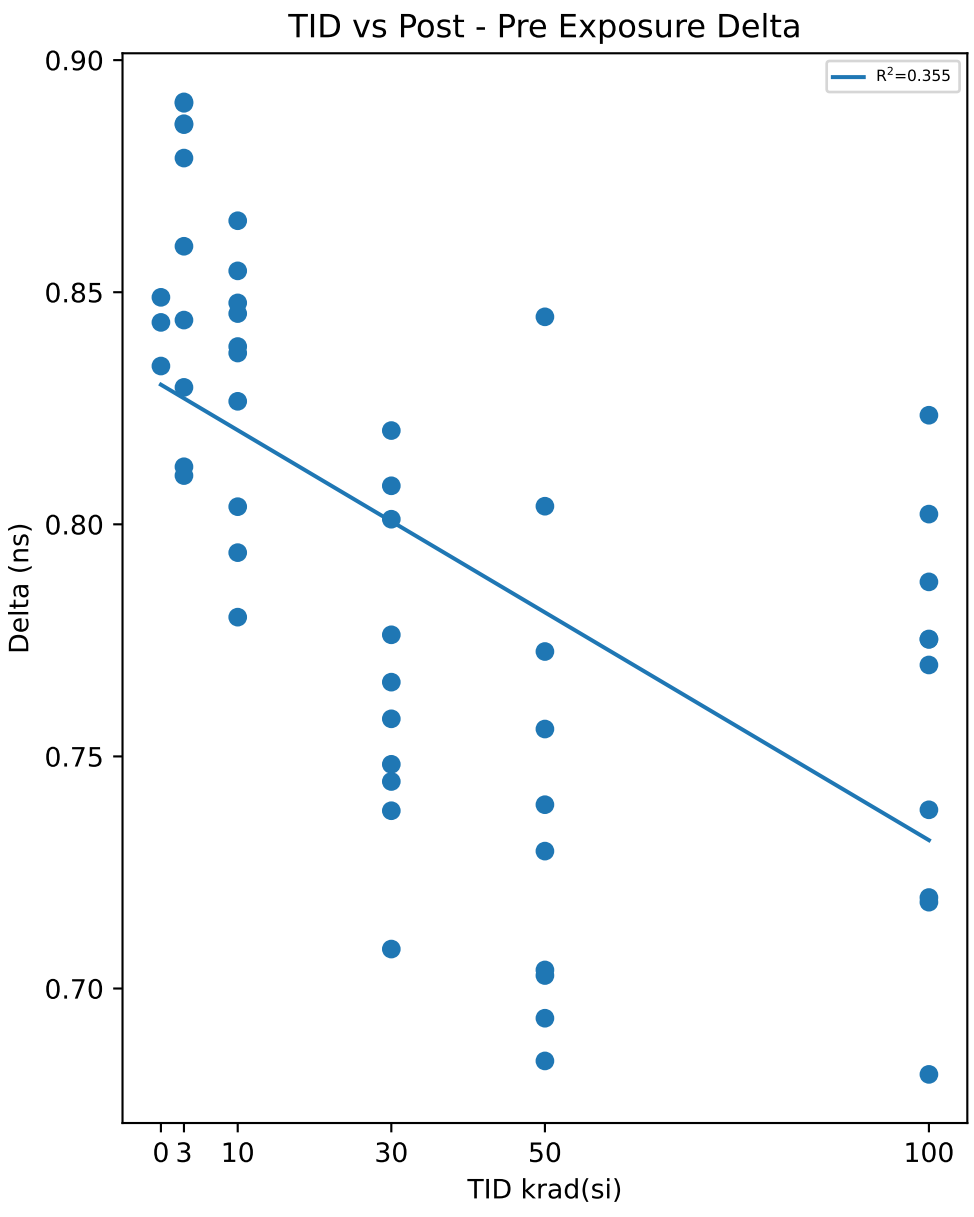
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
390	100	Biased	8.0623	9.662	1.5997
392	100	Biased	9.2402	10.638	1.3979
393	100	Biased	9.7125	10.849	1.1367
394	100	Biased	9.2478	10.572	1.3244
395	100	Biased	10.428	10.981	0.5524
412	100	Unbiased	8.933	10.465	1.5321
413	100	Unbiased	8.3924	10.527	2.1343
414	100	Unbiased	10.581	10.971	0.3903
415	100	Unbiased	11.023	11.023	0.0003
416	100	Unbiased	8.9216	10.953	2.0312
417	50	Biased	10.968	11.156	0.1883
418	50	Biased	11.138	11.131	-0.0071
419	50	Biased	10.988	10.927	-0.0616
421	50	Biased	10.759	11.147	0.388
422	50	Biased	8.6666	10.046	1.3789
423	50	Unbiased	9.5262	10.86	1.3338
424	50	Unbiased	10.305	10.829	0.5246
425	50	Unbiased	11.086	11.008	-0.0776
426	50	Unbiased	10.67	10.95	0.2798
427	50	Unbiased	10.829	10.936	0.1061
463	0	Corr	8.1473	9.3091	1.1618
464	0	Corr	9.485	9.8789	0.3939
465	0	Corr	7.7519	9.0305	1.2786
466	30	Biased	10.81	11.084	0.2733
469	30	Biased	8.028	9.1601	1.1321
470	30	Biased	9.0519	10.541	1.4894
472	30	Biased	9.8075	10.861	1.0535
474	30	Biased	10.261	10.974	0.7128
475	30	Unbiased	8.6823	10.381	1.6991
477	30	Unbiased	9.5943	10.872	1.2776
478	30	Unbiased	8.5976	10.053	1.4552
479	30	Unbiased	8.2013	9.4819	1.2806
480	30	Unbiased	9.3133	10.621	1.3073
481	10	Biased	10.203	10.853	0.6493
482	10	Biased	8.0721	9.2725	1.2004
483	10	Biased	10.733	10.827	0.0945
484	10	Biased	8.2578	9.7052	1.4474
485	10	Biased	9.772	10.626	0.8541
487	10	Unbiased	10.106	10.255	0.1492
488	10	Unbiased	10.356	10.116	-0.2393
489	10	Unbiased	10.688	10.729	0.0411
490	10	Unbiased	11.225	10.742	-0.4824
491	10	Unbiased	8.217	10.011	1.7941
492	3	Biased	10.57	10.809	0.2382
493	3	Biased	8.8145	10.154	1.3391
494	3	Biased	8.1751	9.3521	1.177
495	3	Biased	11.191	10.982	-0.2088
496	3	Biased	8.1797	9.5357	1.356
497	3	Unbiased	8.3428	9.745	1.4022
498	3	Unbiased	10.656	10.785	0.1291
499	3	Unbiased	9.7319	10.253	0.5213
500	3	Unbiased	12.458	11.034	-1.4242
502	3	Unbiased	7.865	9.2677	1.4027

Test Statistics (ns)

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	7.7519	8.4614	9.485	0.90824	9.0305	9.4062	9.8789	0.43245	0.3939	0.94477	1.2786	0.48063
3	7.865	9.5984	12.458	1.5644	9.2677	10.192	11.034	0.68799	-1.4242	0.59326	1.4027	0.93384
10	8.0721	9.7629	11.225	1.16	9.2725	10.314	10.853	0.53707	-0.4824	0.55084	1.7941	0.75971
30	8.028	9.2348	10.81	0.89869	9.1601	10.403	11.084	0.64995	0.2733	1.1681	1.6991	0.41285
50	8.6666	10.494	11.138	0.80001	10.046	10.899	11.156	0.322	-0.0776	0.40532	1.3789	0.53729
100	8.0623	9.4542	11.023	0.96917	9.662	10.664	11.023	0.40998	0.0003	1.2099	2.1343	0.69967

Device Test: 24.140 SYNC_HL_FALL_TIME(TIMING|FALL/SYNC1/14//511k//@SYNC_HL_FALL_TIME)





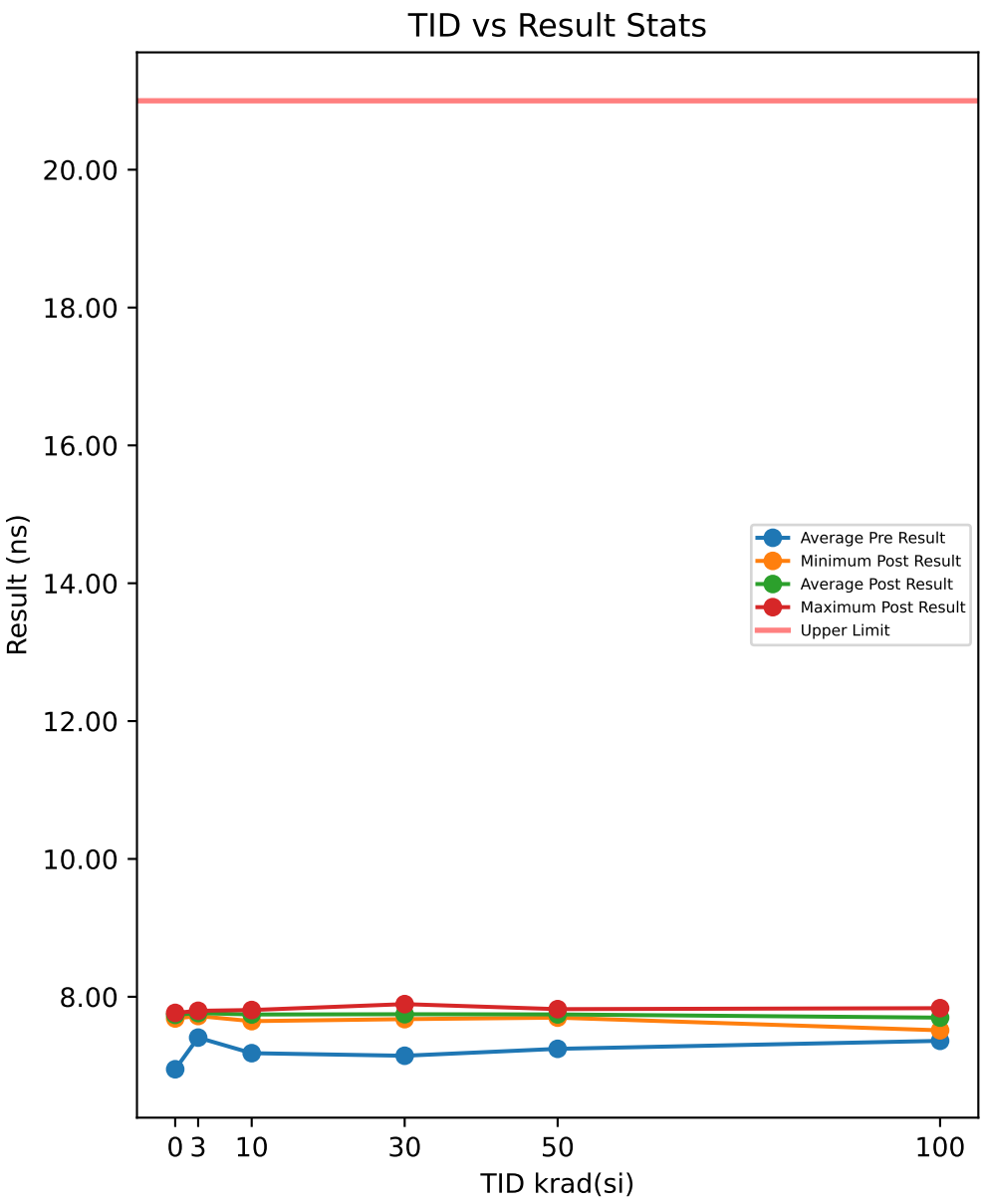
Test Results (Upper Limit = 21.0 (ns))

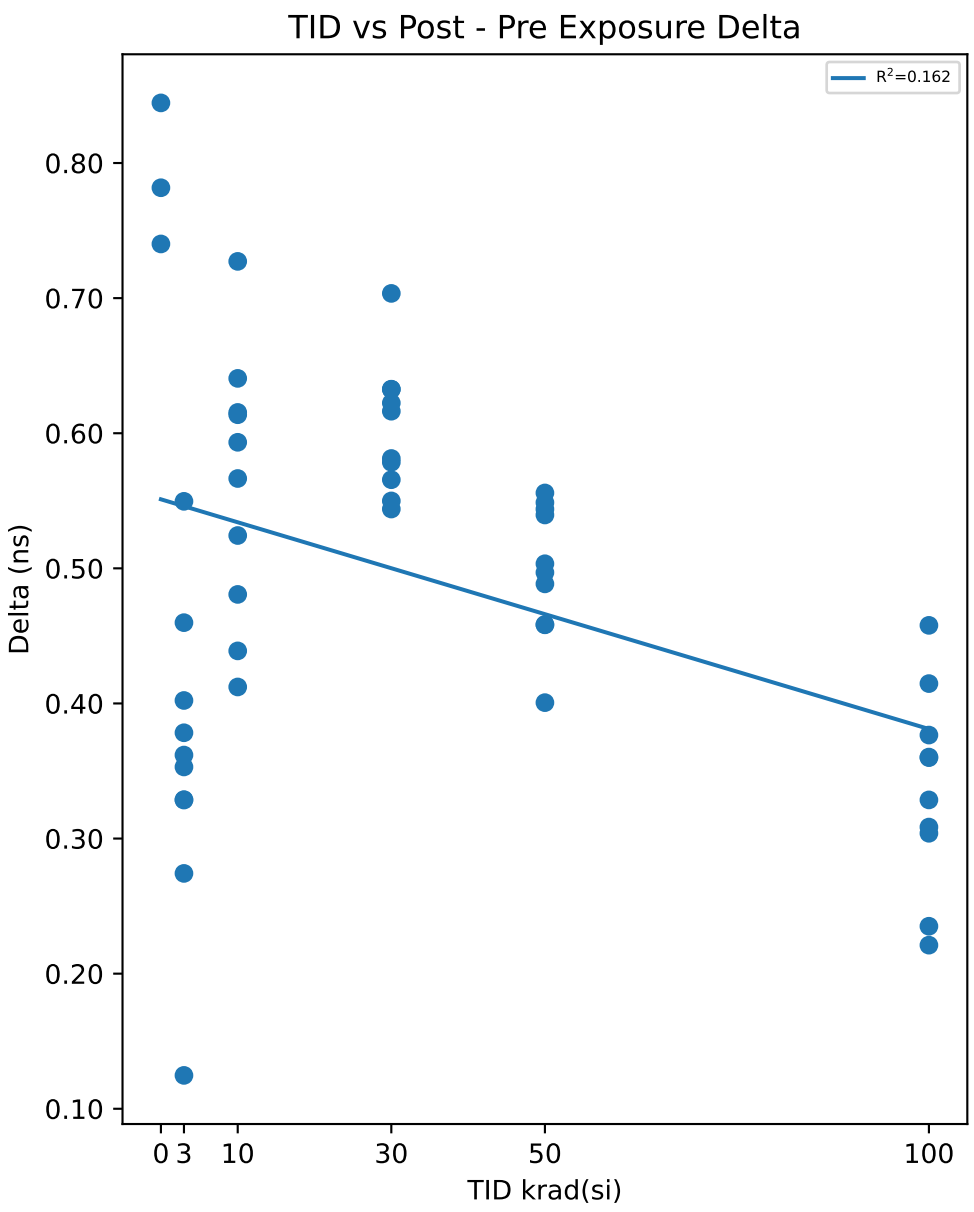
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
390	100	Biased	7.4811	8.2833	0.8022
392	100	Biased	7.5635	8.387	0.8235
393	100	Biased	7.4753	8.2138	0.7385
394	100	Biased	7.5212	8.2964	0.7752
395	100	Biased	7.4806	8.2503	0.7697
412	100	Unbiased	7.3581	8.1334	0.7753
413	100	Unbiased	7.5034	8.222	0.7186
414	100	Unbiased	7.4955	8.2151	0.7196
415	100	Unbiased	7.4504	8.238	0.7876
416	100	Unbiased	7.5651	8.2466	0.6815
417	50	Biased	7.5457	8.2753	0.7296
418	50	Biased	7.4903	8.2629	0.7726
419	50	Biased	7.4873	8.2912	0.8039
421	50	Biased	7.4718	8.3165	0.8447
422	50	Biased	7.5771	8.3167	0.7396
423	50	Unbiased	7.5204	8.2244	0.704
424	50	Unbiased	7.5588	8.2616	0.7028
425	50	Unbiased	7.4957	8.1893	0.6936
426	50	Unbiased	7.5085	8.1929	0.6844
427	50	Unbiased	7.4557	8.2116	0.7559
463	0	Corr	7.433	8.2671	0.8341
464	0	Corr	7.4715	8.315	0.8435
465	0	Corr	7.4381	8.287	0.8489
466	30	Biased	7.518	8.2265	0.7085
469	30	Biased	7.4299	8.2501	0.8202
470	30	Biased	7.4891	8.2974	0.8083
472	30	Biased	7.4958	8.2341	0.7383
474	30	Biased	7.5478	8.3059	0.7581
475	30	Unbiased	7.4551	8.2211	0.766
477	30	Unbiased	7.4574	8.2336	0.7762
478	30	Unbiased	7.4464	8.1947	0.7483
479	30	Unbiased	7.5412	8.3423	0.8011
480	30	Unbiased	7.5266	8.2712	0.7446
481	10	Biased	7.5081	8.3119	0.8038
482	10	Biased	7.4494	8.2433	0.7939
483	10	Biased	7.5127	8.3581	0.8454
484	10	Biased	7.5024	8.3289	0.8265
485	10	Biased	7.4942	8.2742	0.78
487	10	Unbiased	7.4947	8.3601	0.8654
488	10	Unbiased	7.4506	8.2875	0.8369
489	10	Unbiased	7.4196	8.2673	0.8477
490	10	Unbiased	7.5026	8.3409	0.8383
491	10	Unbiased	7.3952	8.2498	0.8546
492	3	Biased	7.4264	8.3127	0.8863
493	3	Biased	7.4602	8.3509	0.8907
494	3	Biased	7.4134	8.2239	0.8105
495	3	Biased	7.4692	8.3553	0.8861
496	3	Biased	7.4673	8.3462	0.8789
497	3	Unbiased	7.4586	8.3026	0.844
498	3	Unbiased	7.4147	8.2442	0.8295
499	3	Unbiased	7.4133	8.3043	0.891
500	3	Unbiased	7.3993	8.2592	0.8599
502	3	Unbiased	7.5104	8.3228	0.8124

Test Statistics (ns)

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	7.433	7.4475	7.4715	0.020912	8.2671	8.2897	8.315	0.024064	0.8341	0.84217	0.8489	0.0074895
3	7.3993	7.4433	7.5104	0.035123	8.2239	8.3022	8.3553	0.045959	0.8105	0.85893	0.891	0.032531
10	7.3952	7.4729	7.5127	0.041409	8.2433	8.3022	8.3601	0.043735	0.78	0.82925	0.8654	0.027932
30	7.4299	7.4907	7.5478	0.042043	8.1947	8.2577	8.3423	0.045602	0.7085	0.76696	0.8202	0.034898
50	7.4557	7.5111	7.5771	0.039117	8.1893	8.2542	8.3167	0.047615	0.6844	0.74311	0.8447	0.051958
100	7.3581	7.4894	7.5651	0.059228	8.1334	8.2486	8.387	0.065891	0.6815	0.75917	0.8235	0.043586

Device Test: 24.141 SYNC_HL_FALL_TIME(TIMING|FALL/SYNC2/14//511k//@SYNC_HL_FALL_TIME)





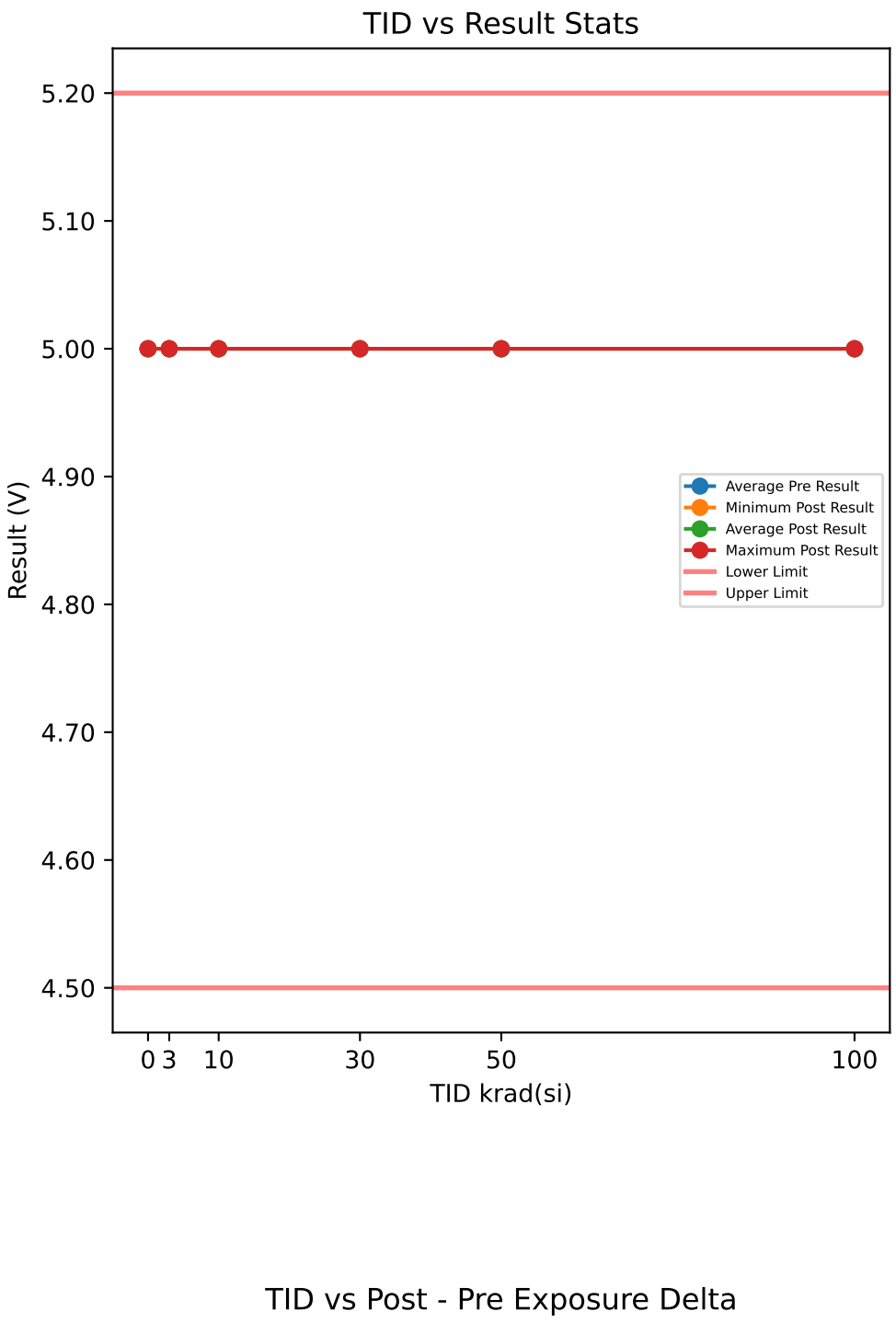
Test Results (Upper Limit = 21.0 (ns))

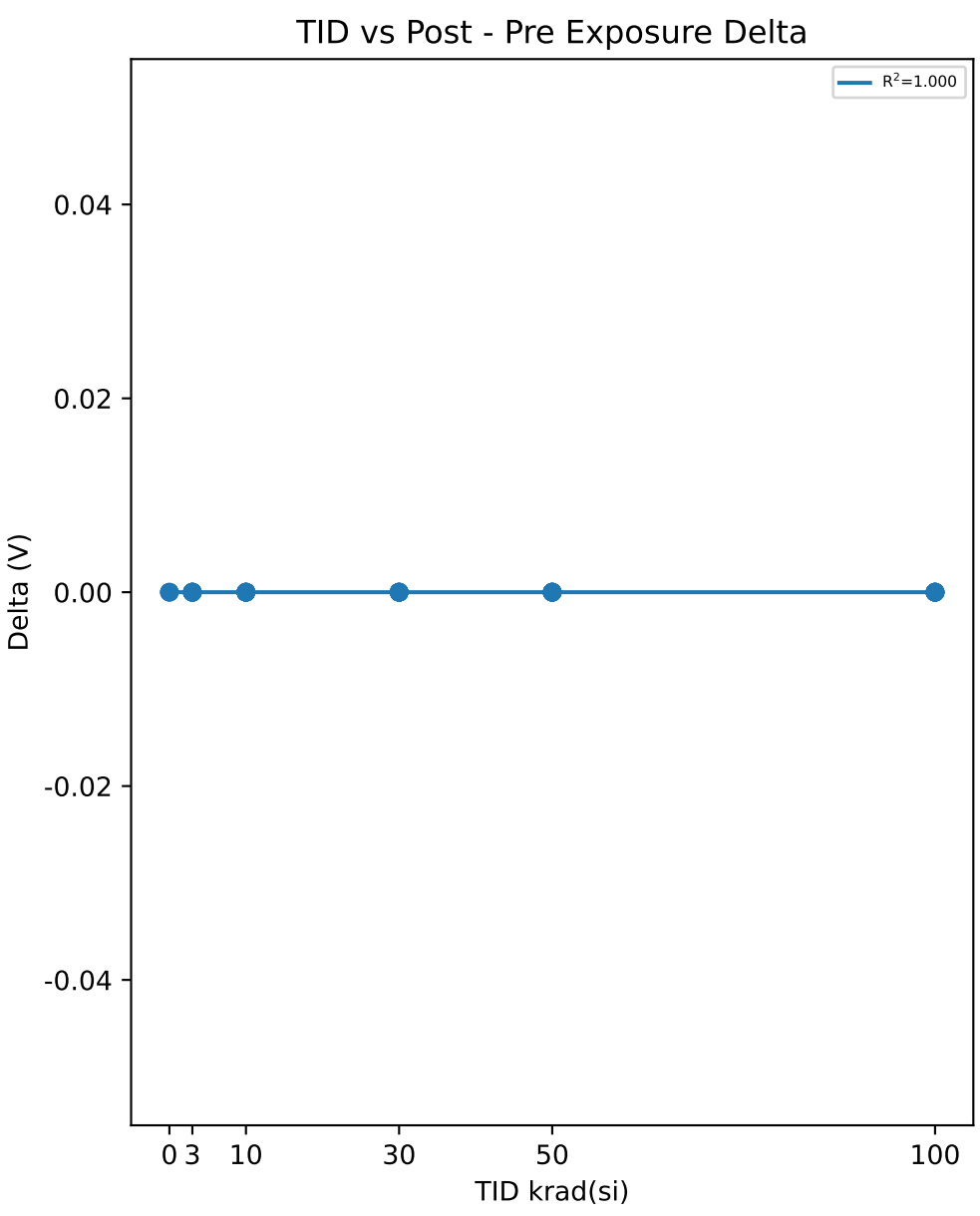
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
390	100	Biased	7.401	7.7776	0.3766
392	100	Biased	7.4198	7.8345	0.4147
393	100	Biased	7.3546	7.7149	0.3603
394	100	Biased	7.3865	7.7151	0.3286
395	100	Biased	7.32	7.7778	0.4578
412	100	Unbiased	7.2921	7.5132	0.2211
413	100	Unbiased	7.3882	7.6967	0.3085
414	100	Unbiased	7.3924	7.6963	0.3039
415	100	Unbiased	7.3218	7.5569	0.2351
416	100	Unbiased	7.3288	7.6887	0.3599
417	50	Biased	7.3168	7.775	0.4582
418	50	Biased	7.2998	7.7004	0.4006
419	50	Biased	7.2424	7.7458	0.5034
421	50	Biased	7.3319	7.8204	0.4885
422	50	Biased	7.209	7.7528	0.5438
423	50	Unbiased	7.2011	7.698	0.4969
424	50	Unbiased	7.2808	7.8203	0.5395
425	50	Unbiased	7.1826	7.7313	0.5487
426	50	Unbiased	7.2401	7.6985	0.4584
427	50	Unbiased	7.1411	7.6969	0.5558
463	0	Corr	6.945	7.6851	0.7401
464	0	Corr	6.9842	7.7659	0.7817
465	0	Corr	6.9156	7.7601	0.8445
466	30	Biased	7.1442	7.6941	0.5499
469	30	Biased	7.1491	7.693	0.5439
470	30	Biased	7.1687	7.7343	0.5656
472	30	Biased	7.1572	7.7735	0.6163
474	30	Biased	7.1898	7.8933	0.7035
475	30	Unbiased	7.128	7.7093	0.5813
477	30	Unbiased	7.0968	7.6753	0.5785
478	30	Unbiased	7.0795	7.7019	0.6224
479	30	Unbiased	7.1605	7.793	0.6325
480	30	Unbiased	7.1672	7.7998	0.6326
481	10	Biased	7.1324	7.7461	0.6137
482	10	Biased	7.092	7.7326	0.6406
483	10	Biased	7.2818	7.7625	0.4807
484	10	Biased	7.2447	7.769	0.5243
485	10	Biased	7.2723	7.7112	0.4389
487	10	Unbiased	7.0806	7.8078	0.7272
488	10	Unbiased	7.1176	7.733	0.6154
489	10	Unbiased	7.053	7.6463	0.5933
490	10	Unbiased	7.2304	7.7969	0.5665
491	10	Unbiased	7.3108	7.723	0.4122
492	3	Biased	7.4413	7.7701	0.3288
493	3	Biased	7.5221	7.7963	0.2742
494	3	Biased	7.4178	7.7708	0.353
495	3	Biased	7.4657	7.7942	0.3285
496	3	Biased	7.3888	7.7671	0.3783
497	3	Unbiased	7.2928	7.7526	0.4598
498	3	Unbiased	7.3597	7.7619	0.4022
499	3	Unbiased	7.3816	7.7434	0.3618
500	3	Unbiased	7.1711	7.7207	0.5496
502	3	Unbiased	7.6317	7.7564	0.1247

Test Statistics (ns)

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	6.9156	6.9483	6.9842	0.034416	7.6851	7.737	7.7659	0.045069	0.7401	0.78877	0.8445	0.052558
3	7.1711	7.4073	7.6317	0.12489	7.7207	7.7633	7.7963	0.022449	0.1247	0.35609	0.5496	0.11186
10	7.053	7.1816	7.3108	0.095804	7.6463	7.7428	7.8078	0.046116	0.4122	0.56128	0.7272	0.097532
30	7.0795	7.1441	7.1898	0.033932	7.6753	7.7468	7.8933	0.06789	0.5439	0.60265	0.7035	0.048512
50	7.1411	7.2446	7.3319	0.062301	7.6969	7.7439	7.8204	0.048497	0.4006	0.49938	0.5558	0.049969
100	7.2921	7.3605	7.4198	0.042783	7.5132	7.6972	7.8345	0.097786	0.2211	0.33665	0.4578	0.073831

Device Test: 24.142 SYNC_OUT_HIGH_7V(LEVELS|VOH/SYNC1/14//511k//@SYNC_OUT_HIGH_7V)





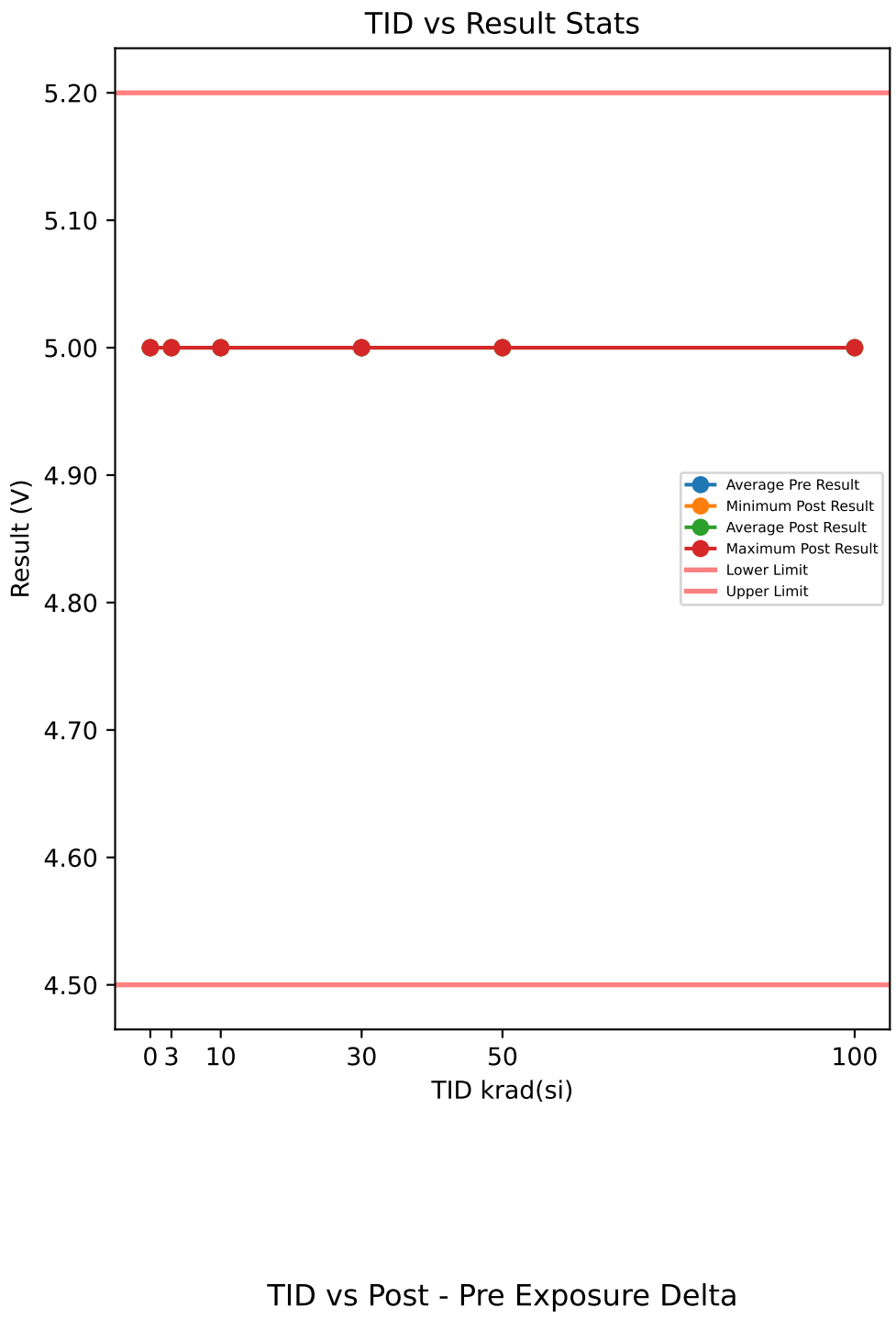
Test Results (Lower Limit = 4.5, Upper Limit = 5.2 (V))

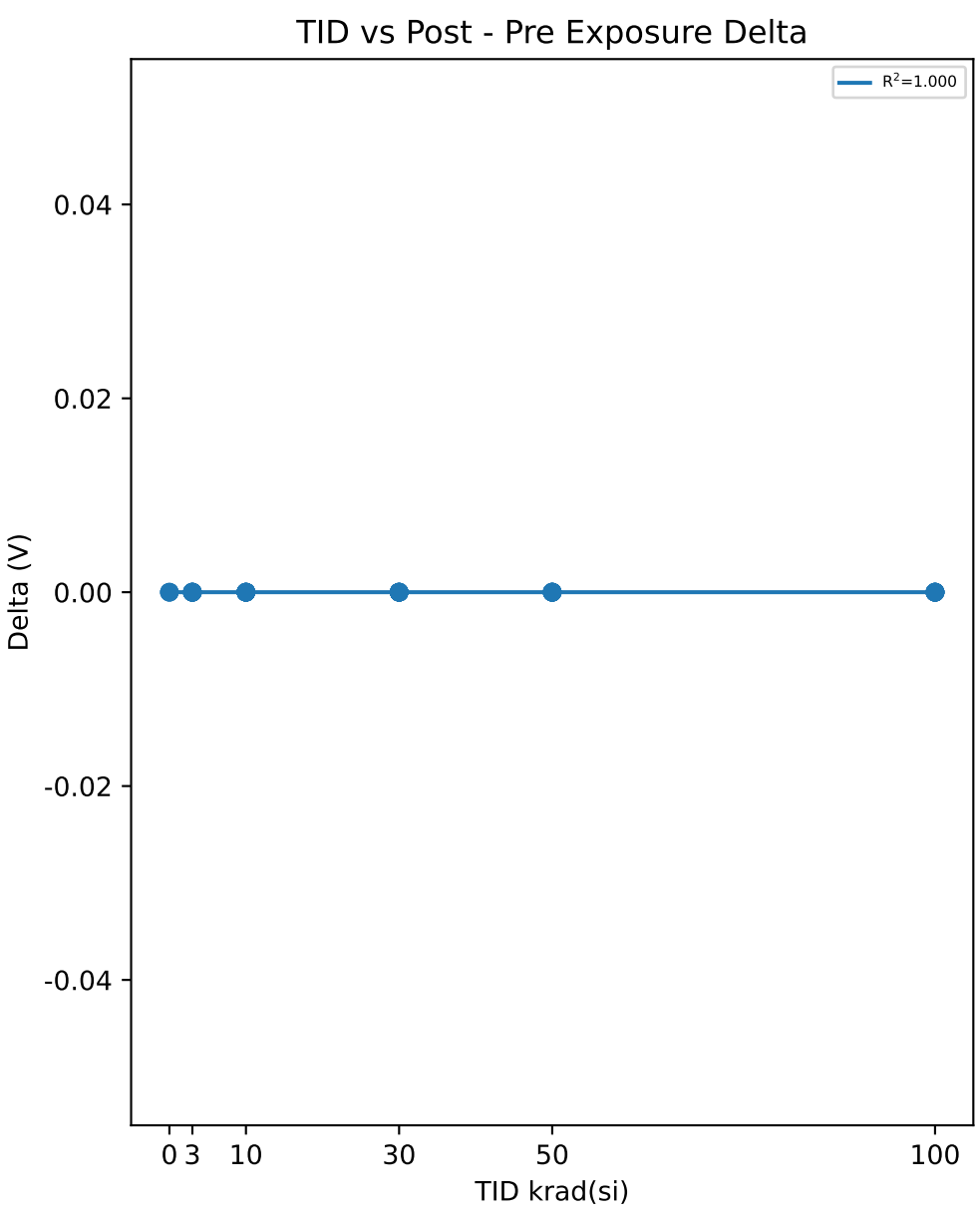
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
390	100	Biased	5	5	0
392	100	Biased	5	5	0
393	100	Biased	5	5	0
394	100	Biased	5	5	0
395	100	Biased	5	5	0
412	100	Unbiased	5	5	0
413	100	Unbiased	5	5	0
414	100	Unbiased	5	5	0
415	100	Unbiased	5	5	0
416	100	Unbiased	5	5	0
417	50	Biased	5	5	0
418	50	Biased	5	5	0
419	50	Biased	5	5	0
421	50	Biased	5	5	0
422	50	Biased	5	5	0
423	50	Unbiased	5	5	0
424	50	Unbiased	5	5	0
425	50	Unbiased	5	5	0
426	50	Unbiased	5	5	0
427	50	Unbiased	5	5	0
463	0	Corr	5	5	0
464	0	Corr	5	5	0
465	0	Corr	5	5	0
466	30	Biased	5	5	0
469	30	Biased	5	5	0
470	30	Biased	5	5	0
472	30	Biased	5	5	0
474	30	Biased	5	5	0
475	30	Unbiased	5	5	0
477	30	Unbiased	5	5	0
478	30	Unbiased	5	5	0
479	30	Unbiased	5	5	0
480	30	Unbiased	5	5	0
481	10	Biased	5	5	0
482	10	Biased	5	5	0
483	10	Biased	5	5	0
484	10	Biased	5	5	0
485	10	Biased	5	5	0
487	10	Unbiased	5	5	0
488	10	Unbiased	5	5	0
489	10	Unbiased	5	5	0
490	10	Unbiased	5	5	0
491	10	Unbiased	5	5	0
492	3	Biased	5	5	0
493	3	Biased	5	5	0
494	3	Biased	5	5	0
495	3	Biased	5	5	0
496	3	Biased	5	5	0
497	3	Unbiased	5	5	0
498	3	Unbiased	5	5	0
499	3	Unbiased	5	5	0
500	3	Unbiased	5	5	0
502	3	Unbiased	5	5	0

Test Statistics (V)

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	5	5	5	0	5	5	5	0	0	0	0	0
3	5	5	5	0	5	5	5	0	0	0	0	0
10	5	5	5	0	5	5	5	0	0	0	0	0
30	5	5	5	0	5	5	5	0	0	0	0	0
50	5	5	5	0	5	5	5	0	0	0	0	0
100	5	5	5	0	5	5	5	0	0	0	0	0

Device Test: 24.143 SYNC_OUT_HIGH_7V(LEVELS|VOH/SYNC2/14//511k//@SYNC_OUT_HIGH_7V)





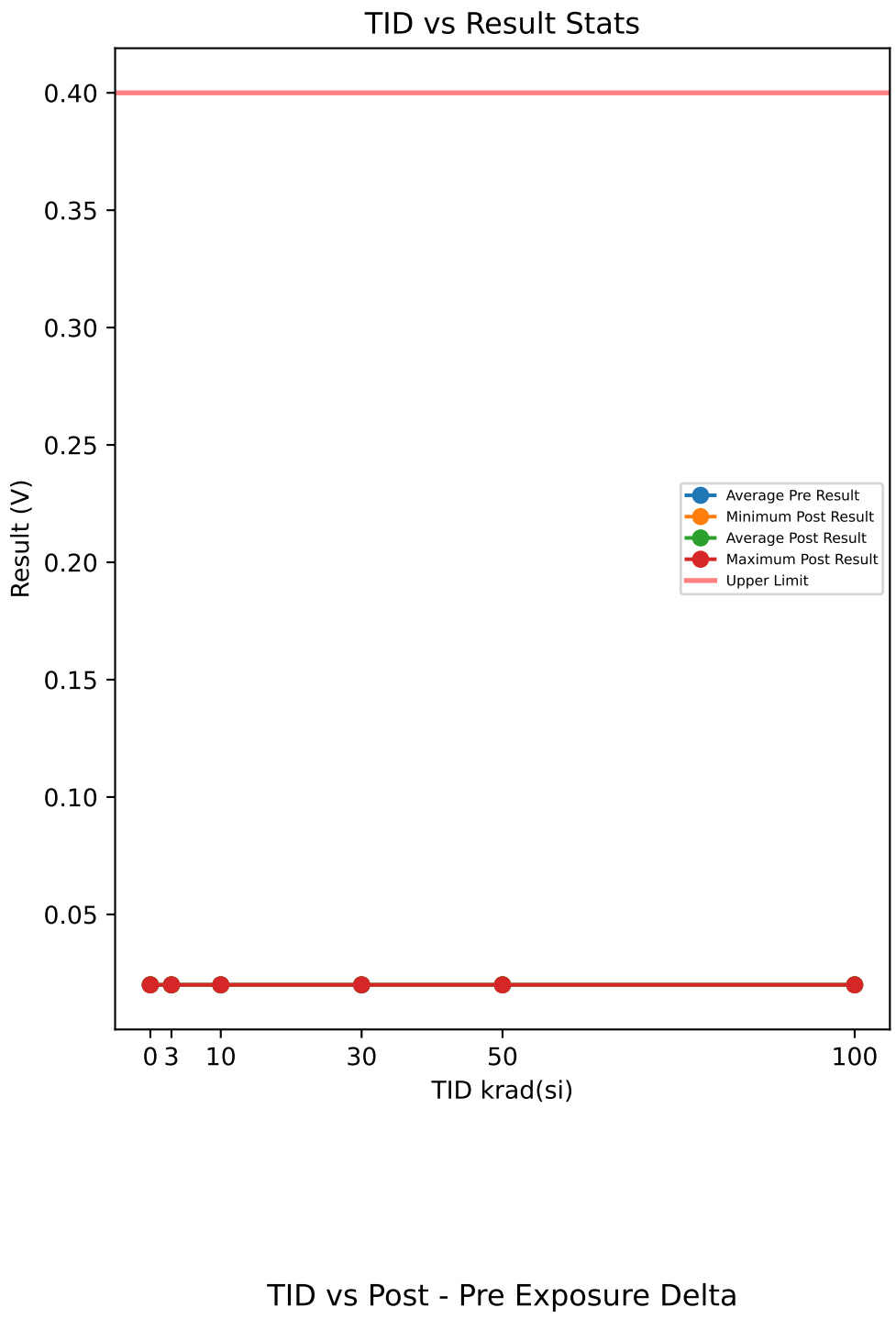
Test Results (Lower Limit = 4.5, Upper Limit = 5.2 (V))

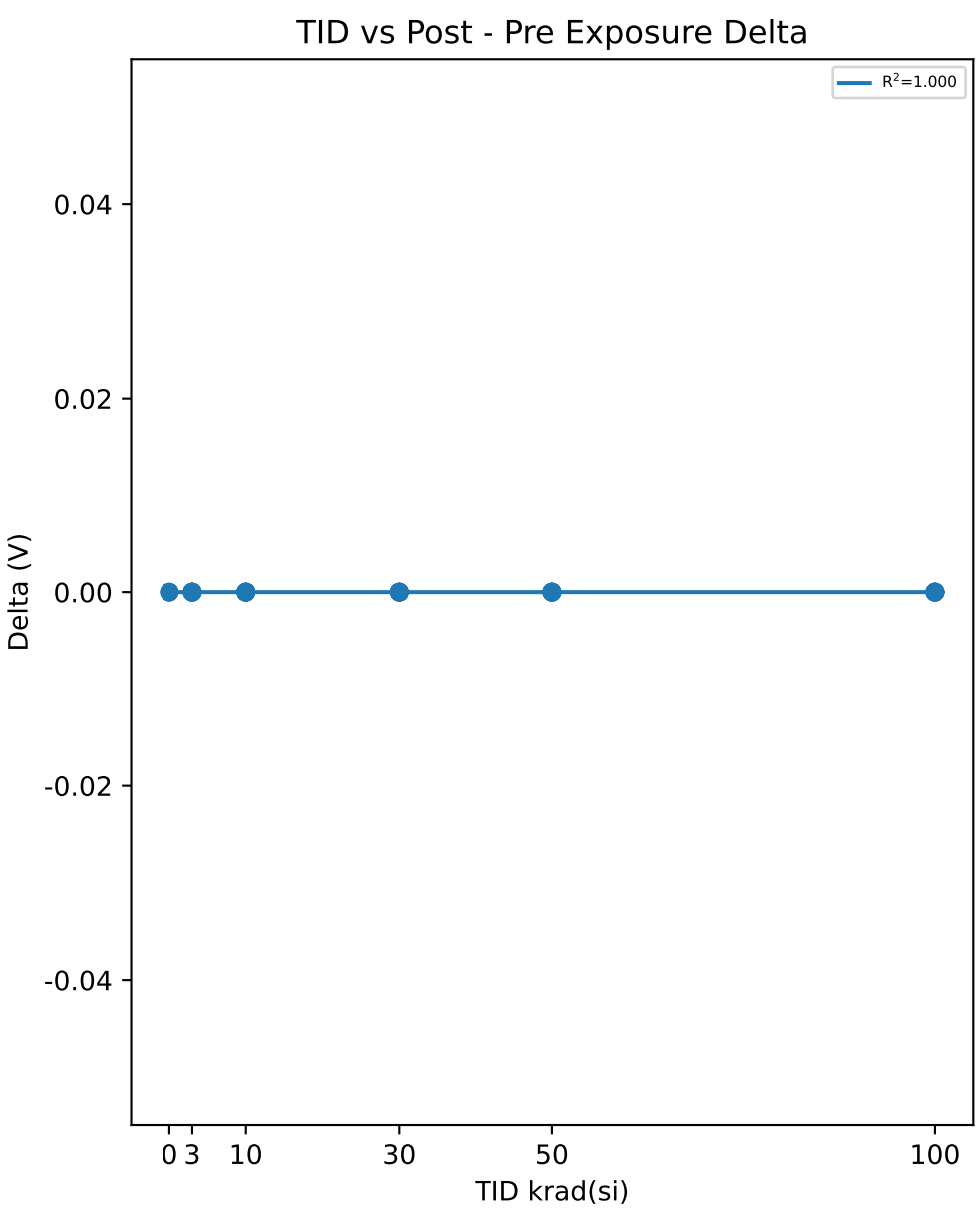
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
390	100	Biased	5	5	0
392	100	Biased	5	5	0
393	100	Biased	5	5	0
394	100	Biased	5	5	0
395	100	Biased	5	5	0
412	100	Unbiased	5	5	0
413	100	Unbiased	5	5	0
414	100	Unbiased	5	5	0
415	100	Unbiased	5	5	0
416	100	Unbiased	5	5	0
417	50	Biased	5	5	0
418	50	Biased	5	5	0
419	50	Biased	5	5	0
421	50	Biased	5	5	0
422	50	Biased	5	5	0
423	50	Unbiased	5	5	0
424	50	Unbiased	5	5	0
425	50	Unbiased	5	5	0
426	50	Unbiased	5	5	0
427	50	Unbiased	5	5	0
463	0	Corr	5	5	0
464	0	Corr	5	5	0
465	0	Corr	5	5	0
466	30	Biased	5	5	0
469	30	Biased	5	5	0
470	30	Biased	5	5	0
472	30	Biased	5	5	0
474	30	Biased	5	5	0
475	30	Unbiased	5	5	0
477	30	Unbiased	5	5	0
478	30	Unbiased	5	5	0
479	30	Unbiased	5	5	0
480	30	Unbiased	5	5	0
481	10	Biased	5	5	0
482	10	Biased	5	5	0
483	10	Biased	5	5	0
484	10	Biased	5	5	0
485	10	Biased	5	5	0
487	10	Unbiased	5	5	0
488	10	Unbiased	5	5	0
489	10	Unbiased	5	5	0
490	10	Unbiased	5	5	0
491	10	Unbiased	5	5	0
492	3	Biased	5	5	0
493	3	Biased	5	5	0
494	3	Biased	5	5	0
495	3	Biased	5	5	0
496	3	Biased	5	5	0
497	3	Unbiased	5	5	0
498	3	Unbiased	5	5	0
499	3	Unbiased	5	5	0
500	3	Unbiased	5	5	0
502	3	Unbiased	5	5	0

Test Statistics (V)

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	5	5	5	0	5	5	5	0	0	0	0	0
3	5	5	5	0	5	5	5	0	0	0	0	0
10	5	5	5	0	5	5	5	0	0	0	0	0
30	5	5	5	0	5	5	5	0	0	0	0	0
50	5	5	5	0	5	5	5	0	0	0	0	0
100	5	5	5	0	5	5	5	0	0	0	0	0

Device Test: 24.144 SYNC_OUT_LOW(LEVELS|VOL/SYNC1/14//511k//@SYNC_OUT_LOW)





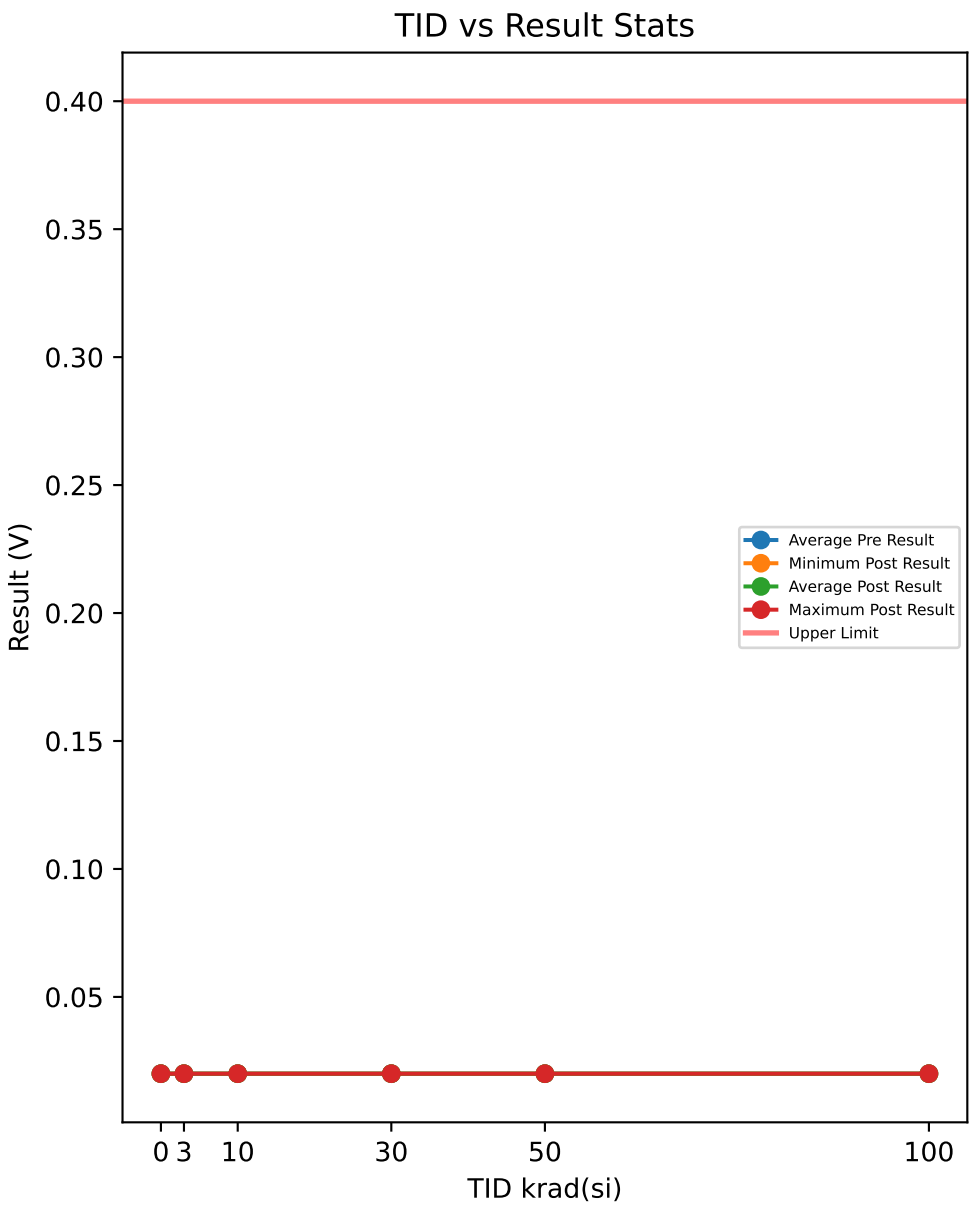
Test Results (Upper Limit = 0.4 (V))

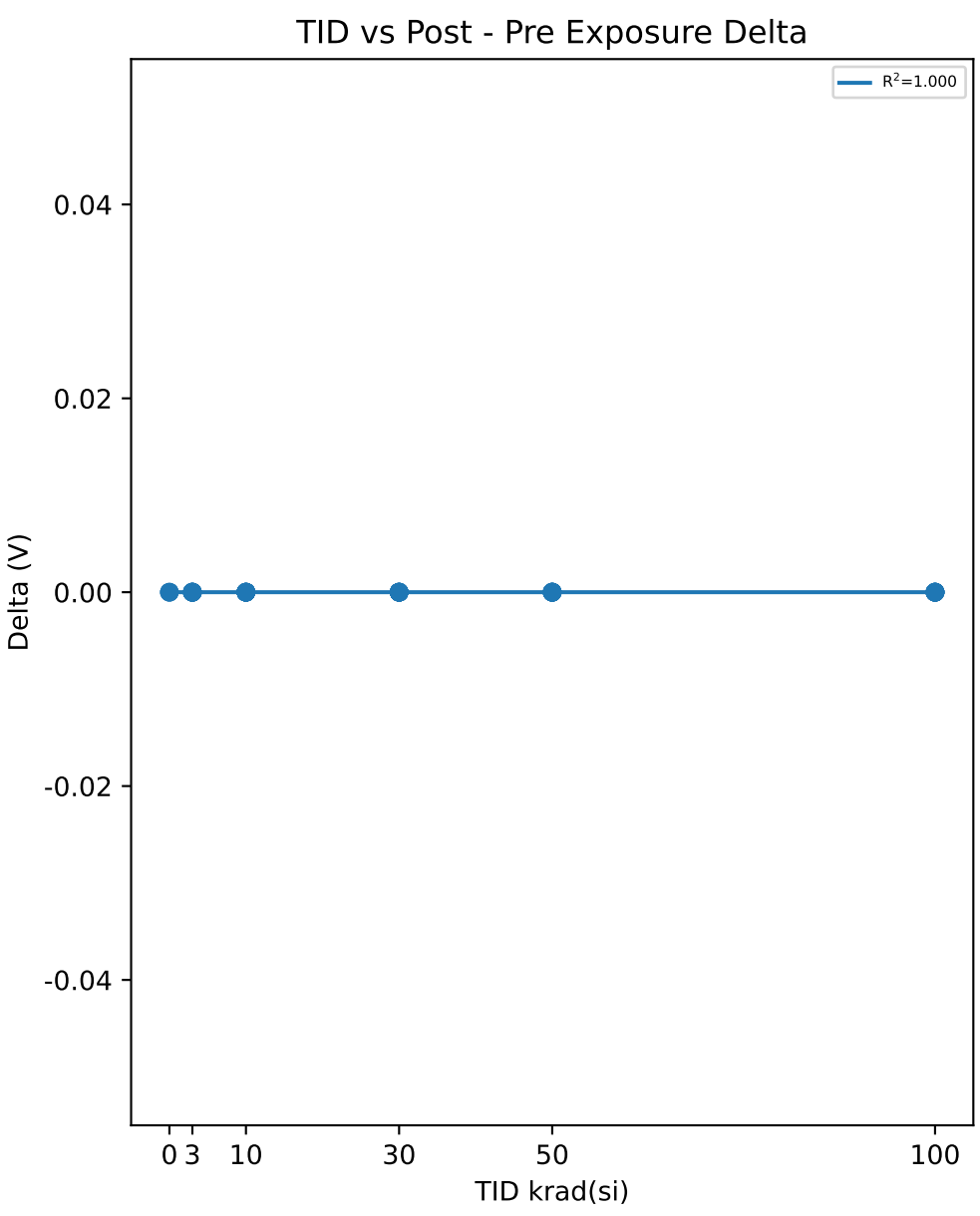
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
390	100	Biased	0.02	0.02	0
392	100	Biased	0.02	0.02	0
393	100	Biased	0.02	0.02	0
394	100	Biased	0.02	0.02	0
395	100	Biased	0.02	0.02	0
412	100	Unbiased	0.02	0.02	0
413	100	Unbiased	0.02	0.02	0
414	100	Unbiased	0.02	0.02	0
415	100	Unbiased	0.02	0.02	0
416	100	Unbiased	0.02	0.02	0
417	50	Biased	0.02	0.02	0
418	50	Biased	0.02	0.02	0
419	50	Biased	0.02	0.02	0
421	50	Biased	0.02	0.02	0
422	50	Biased	0.02	0.02	0
423	50	Unbiased	0.02	0.02	0
424	50	Unbiased	0.02	0.02	0
425	50	Unbiased	0.02	0.02	0
426	50	Unbiased	0.02	0.02	0
427	50	Unbiased	0.02	0.02	0
463	0	Corr	0.02	0.02	0
464	0	Corr	0.02	0.02	0
465	0	Corr	0.02	0.02	0
466	30	Biased	0.02	0.02	0
469	30	Biased	0.02	0.02	0
470	30	Biased	0.02	0.02	0
472	30	Biased	0.02	0.02	0
474	30	Biased	0.02	0.02	0
475	30	Unbiased	0.02	0.02	0
477	30	Unbiased	0.02	0.02	0
478	30	Unbiased	0.02	0.02	0
479	30	Unbiased	0.02	0.02	0
480	30	Unbiased	0.02	0.02	0
481	10	Biased	0.02	0.02	0
482	10	Biased	0.02	0.02	0
483	10	Biased	0.02	0.02	0
484	10	Biased	0.02	0.02	0
485	10	Biased	0.02	0.02	0
487	10	Unbiased	0.02	0.02	0
488	10	Unbiased	0.02	0.02	0
489	10	Unbiased	0.02	0.02	0
490	10	Unbiased	0.02	0.02	0
491	10	Unbiased	0.02	0.02	0
492	3	Biased	0.02	0.02	0
493	3	Biased	0.02	0.02	0
494	3	Biased	0.02	0.02	0
495	3	Biased	0.02	0.02	0
496	3	Biased	0.02	0.02	0
497	3	Unbiased	0.02	0.02	0
498	3	Unbiased	0.02	0.02	0
499	3	Unbiased	0.02	0.02	0
500	3	Unbiased	0.02	0.02	0
502	3	Unbiased	0.02	0.02	0

Test Statistics (V)

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	0.02	0.02	0.02	0	0.02	0.02	0.02	0	0	0	0	0
3	0.02	0.02	0.02	0	0.02	0.02	0.02	0	0	0	0	0
10	0.02	0.02	0.02	0	0.02	0.02	0.02	0	0	0	0	0
30	0.02	0.02	0.02	0	0.02	0.02	0.02	0	0	0	0	0
50	0.02	0.02	0.02	0	0.02	0.02	0.02	0	0	0	0	0
100	0.02	0.02	0.02	0	0.02	0.02	0.02	0	0	0	0	0

Device Test: 24.145 SYNC_OUT_LOW(LEVELS|VOL/SYNC2/14//511k//@SYNC_OUT_LOW)





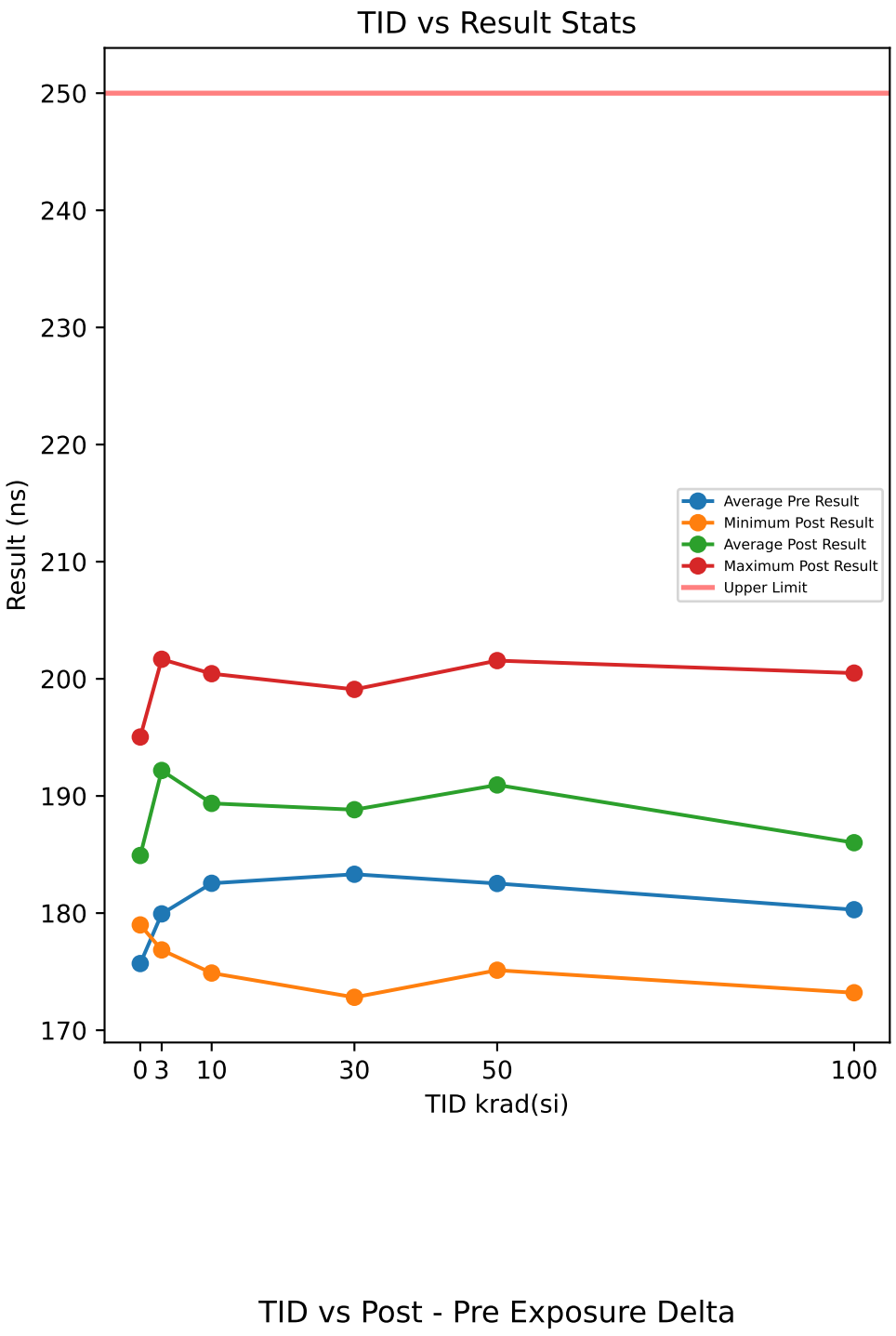
Test Results (Upper Limit = 0.4 (V))

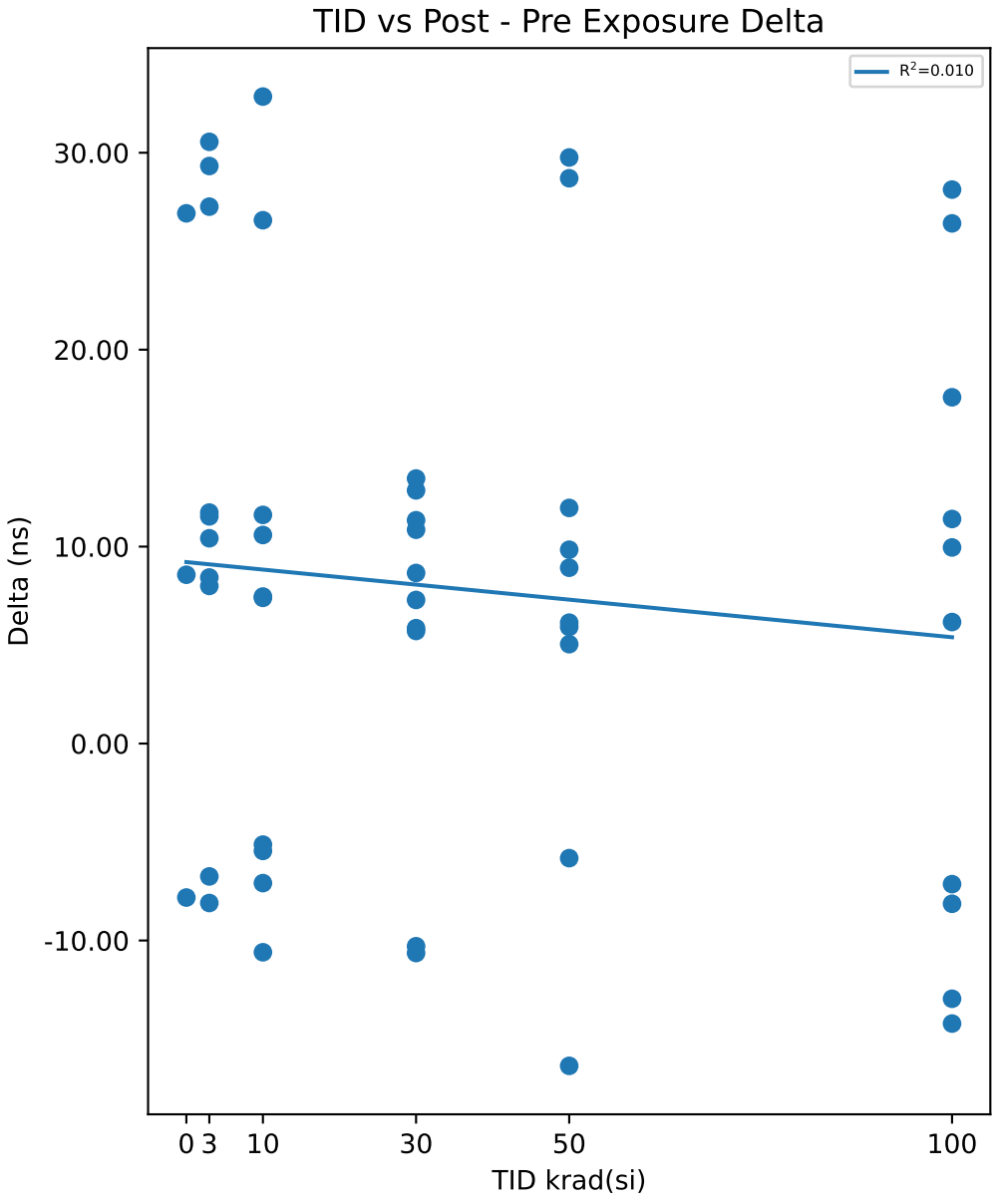
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
390	100	Biased	0.02	0.02	0
392	100	Biased	0.02	0.02	0
393	100	Biased	0.02	0.02	0
394	100	Biased	0.02	0.02	0
395	100	Biased	0.02	0.02	0
412	100	Unbiased	0.02	0.02	0
413	100	Unbiased	0.02	0.02	0
414	100	Unbiased	0.02	0.02	0
415	100	Unbiased	0.02	0.02	0
416	100	Unbiased	0.02	0.02	0
417	50	Biased	0.02	0.02	0
418	50	Biased	0.02	0.02	0
419	50	Biased	0.02	0.02	0
421	50	Biased	0.02	0.02	0
422	50	Biased	0.02	0.02	0
423	50	Unbiased	0.02	0.02	0
424	50	Unbiased	0.02	0.02	0
425	50	Unbiased	0.02	0.02	0
426	50	Unbiased	0.02	0.02	0
427	50	Unbiased	0.02	0.02	0
463	0	Corr	0.02	0.02	0
464	0	Corr	0.02	0.02	0
465	0	Corr	0.02	0.02	0
466	30	Biased	0.02	0.02	0
469	30	Biased	0.02	0.02	0
470	30	Biased	0.02	0.02	0
472	30	Biased	0.02	0.02	0
474	30	Biased	0.02	0.02	0
475	30	Unbiased	0.02	0.02	0
477	30	Unbiased	0.02	0.02	0
478	30	Unbiased	0.02	0.02	0
479	30	Unbiased	0.02	0.02	0
480	30	Unbiased	0.02	0.02	0
481	10	Biased	0.02	0.02	0
482	10	Biased	0.02	0.02	0
483	10	Biased	0.02	0.02	0
484	10	Biased	0.02	0.02	0
485	10	Biased	0.02	0.02	0
487	10	Unbiased	0.02	0.02	0
488	10	Unbiased	0.02	0.02	0
489	10	Unbiased	0.02	0.02	0
490	10	Unbiased	0.02	0.02	0
491	10	Unbiased	0.02	0.02	0
492	3	Biased	0.02	0.02	0
493	3	Biased	0.02	0.02	0
494	3	Biased	0.02	0.02	0
495	3	Biased	0.02	0.02	0
496	3	Biased	0.02	0.02	0
497	3	Unbiased	0.02	0.02	0
498	3	Unbiased	0.02	0.02	0
499	3	Unbiased	0.02	0.02	0
500	3	Unbiased	0.02	0.02	0
502	3	Unbiased	0.02	0.02	0

Test Statistics (V)

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	0.02	0.02	0.02	0	0.02	0.02	0.02	0	0	0	0	0
3	0.02	0.02	0.02	0	0.02	0.02	0.02	0	0	0	0	0
10	0.02	0.02	0.02	0	0.02	0.02	0.02	0	0	0	0	0
30	0.02	0.02	0.02	0	0.02	0.02	0.02	0	0	0	0	0
50	0.02	0.02	0.02	0	0.02	0.02	0.02	0	0	0	0	0
100	0.02	0.02	0.02	0	0.02	0.02	0.02	0	0	0	0	0

Device Test: 24.151 ON_TIME_MIN_14V(TIMING|MINON/SW/14//511k//@ON_TIME_MIN_14V)





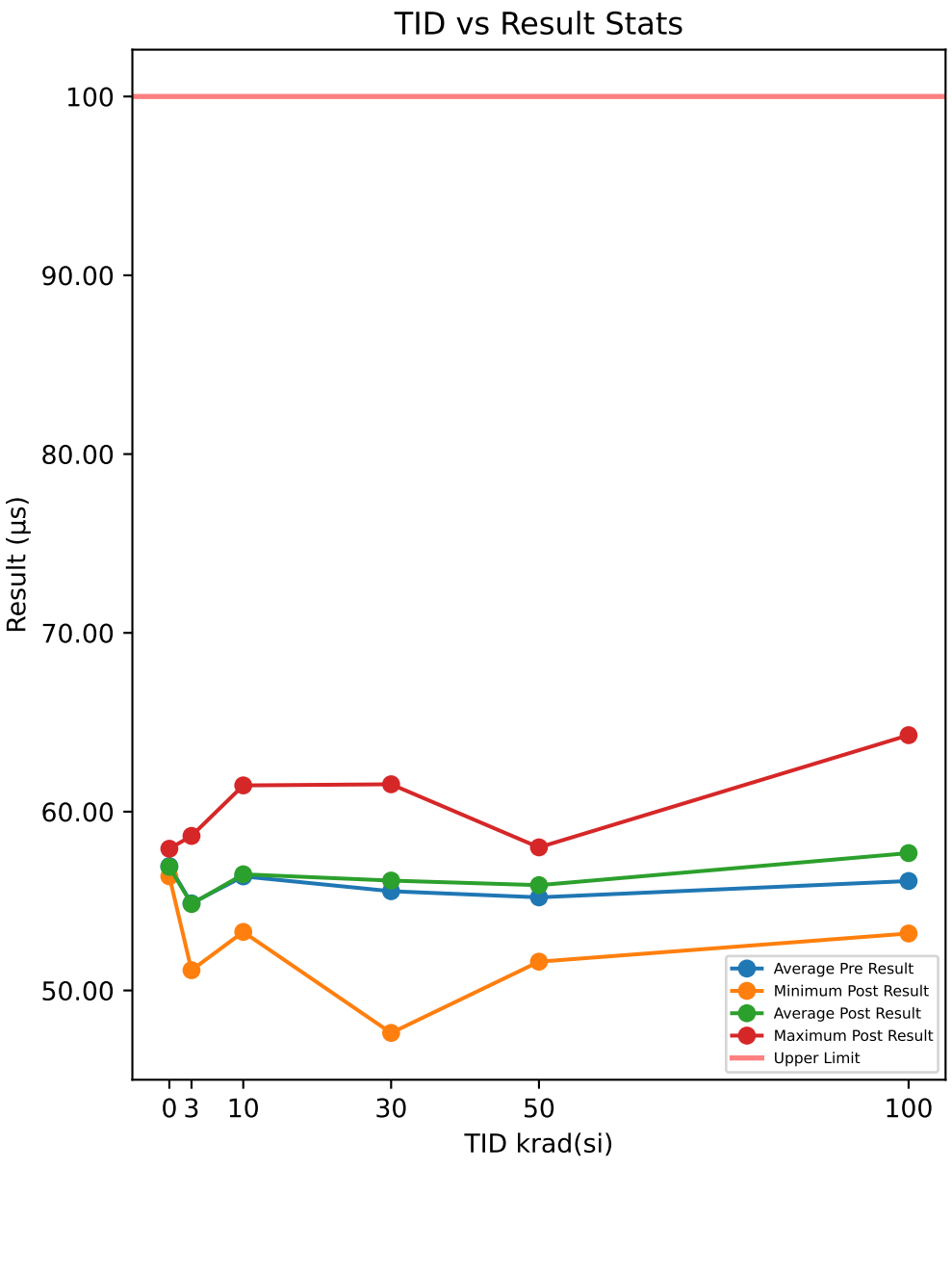
Test Results (Upper Limit = 250.0 (ns))

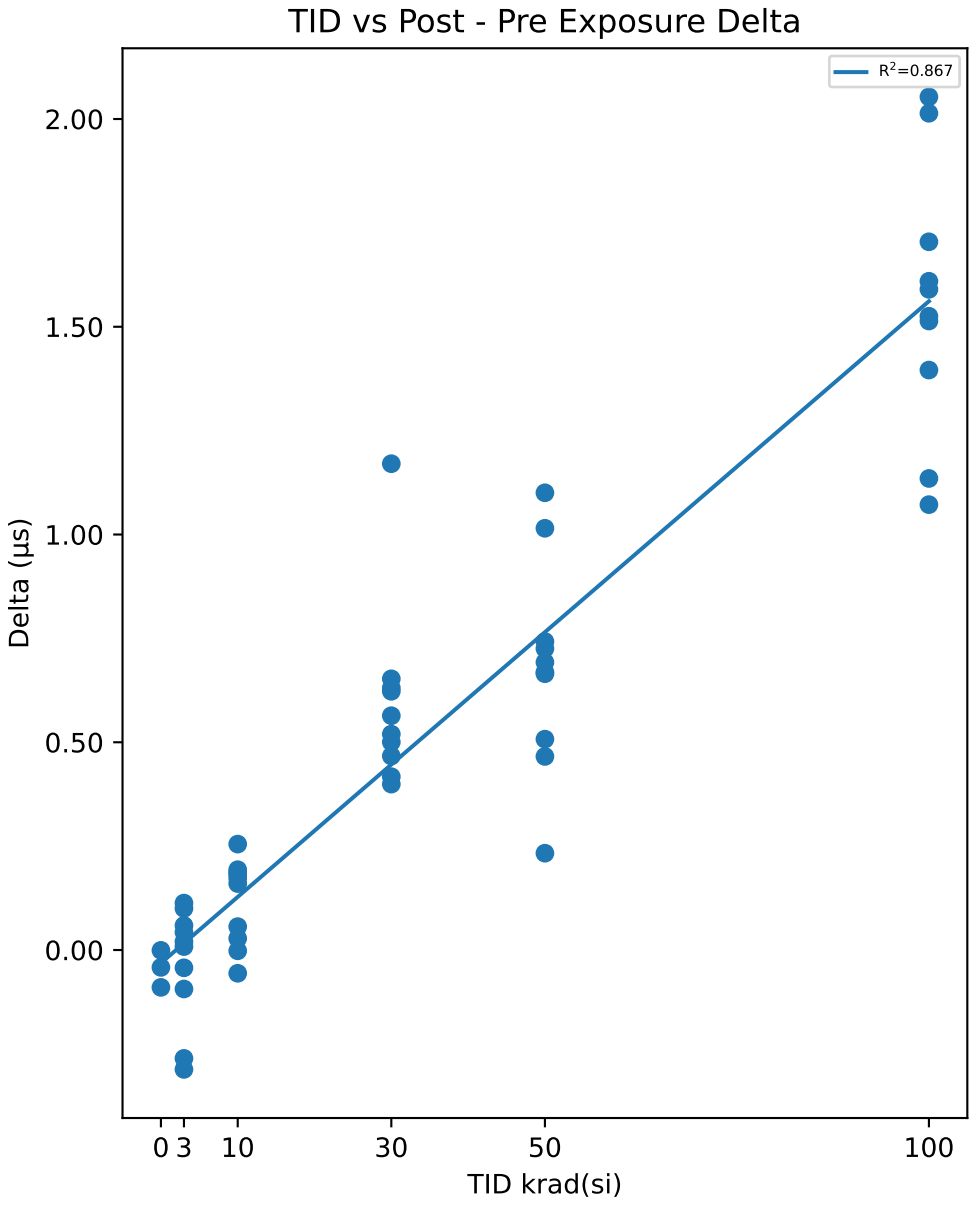
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
390	100	Biased	178.84	188.8	9.9573
392	100	Biased	187.42	173.2	-14.217
393	100	Biased	189.42	176.46	-12.959
394	100	Biased	187.5	193.67	6.1704
395	100	Biased	181.88	199.46	17.583
412	100	Unbiased	172.57	183.98	11.403
413	100	Unbiased	185.72	178.58	-7.1381
414	100	Unbiased	165.72	192.13	26.414
415	100	Unbiased	181.46	173.32	-8.1358
416	100	Unbiased	172.36	200.49	28.129
417	50	Biased	183.99	189.91	5.9201
418	50	Biased	191.49	175.12	-16.365
419	50	Biased	184.63	194.47	9.8415
421	50	Biased	168.7	198.46	29.76
422	50	Biased	190.09	196.23	6.1389
423	50	Unbiased	189.59	201.56	11.965
424	50	Unbiased	172	200.71	28.705
425	50	Unbiased	186.21	180.39	-5.8184
426	50	Unbiased	187.57	196.5	8.9277
427	50	Unbiased	171	176.05	5.0464
463	0	Corr	188.55	180.73	-7.8192
464	0	Corr	170.42	178.99	8.5718
465	0	Corr	168.11	195.03	26.923
466	30	Biased	183.45	172.81	-10.636
469	30	Biased	184.86	197.72	12.856
470	30	Biased	171.9	179.19	7.2912
472	30	Biased	188.24	199.1	10.857
474	30	Biased	182.63	196.09	13.457
475	30	Unbiased	179.76	191.1	11.34
477	30	Unbiased	184.95	190.81	5.8594
478	30	Unbiased	185.84	191.56	5.7159
479	30	Unbiased	186.25	175.95	-10.291
480	30	Unbiased	185.27	193.93	8.6613
481	10	Biased	167.4	193.97	26.573
482	10	Biased	187.11	198.72	11.61
483	10	Biased	189.85	200.44	10.59
484	10	Biased	188.56	183.43	-5.1311
485	10	Biased	182.89	175.8	-7.0862
487	10	Unbiased	185.48	174.88	-10.598
488	10	Unbiased	182.72	177.27	-5.4518
489	10	Unbiased	187.04	194.43	7.3982
490	10	Unbiased	164.07	196.93	32.852
491	10	Unbiased	190.33	197.79	7.4643
492	3	Biased	172.51	199.77	27.262
493	3	Biased	187.79	196.22	8.4323
494	3	Biased	167.48	196.8	29.326
495	3	Biased	193.67	201.67	8.0034
496	3	Biased	168.54	178.97	10.424
497	3	Unbiased	162.82	193.37	30.554
498	3	Unbiased	187.38	198.92	11.535
499	3	Unbiased	184.95	176.86	-8.0962
500	3	Unbiased	186.49	198.22	11.73
502	3	Unbiased	187.71	180.96	-6.7469

Test Statistics (ns)

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	168.11	175.69	188.55	11.196	178.99	184.92	195.03	8.8031	-7.8192	9.2254	26.923	17.381
3	162.82	179.93	193.67	10.89	176.86	192.18	201.67	9.4519	-8.0962	12.242	30.554	13.596
10	164.07	182.54	190.33	9.2521	174.88	189.37	200.44	10.331	-10.598	6.822	32.852	14.514
30	171.9	183.32	188.24	4.6127	172.81	188.83	199.1	9.3978	-10.636	5.511	13.457	8.8402
50	168.7	182.53	191.49	8.614	175.12	190.94	201.56	10.112	-16.365	8.4121	29.76	13.831
100	165.72	180.29	189.42	7.8624	173.2	186.01	200.49	10.382	-14.217	5.7206	28.129	15.724

Device Test: 24.152 T_EN_DELAY(TIMING|DELAY/EN/14//511k//@T_EN_DELAY)





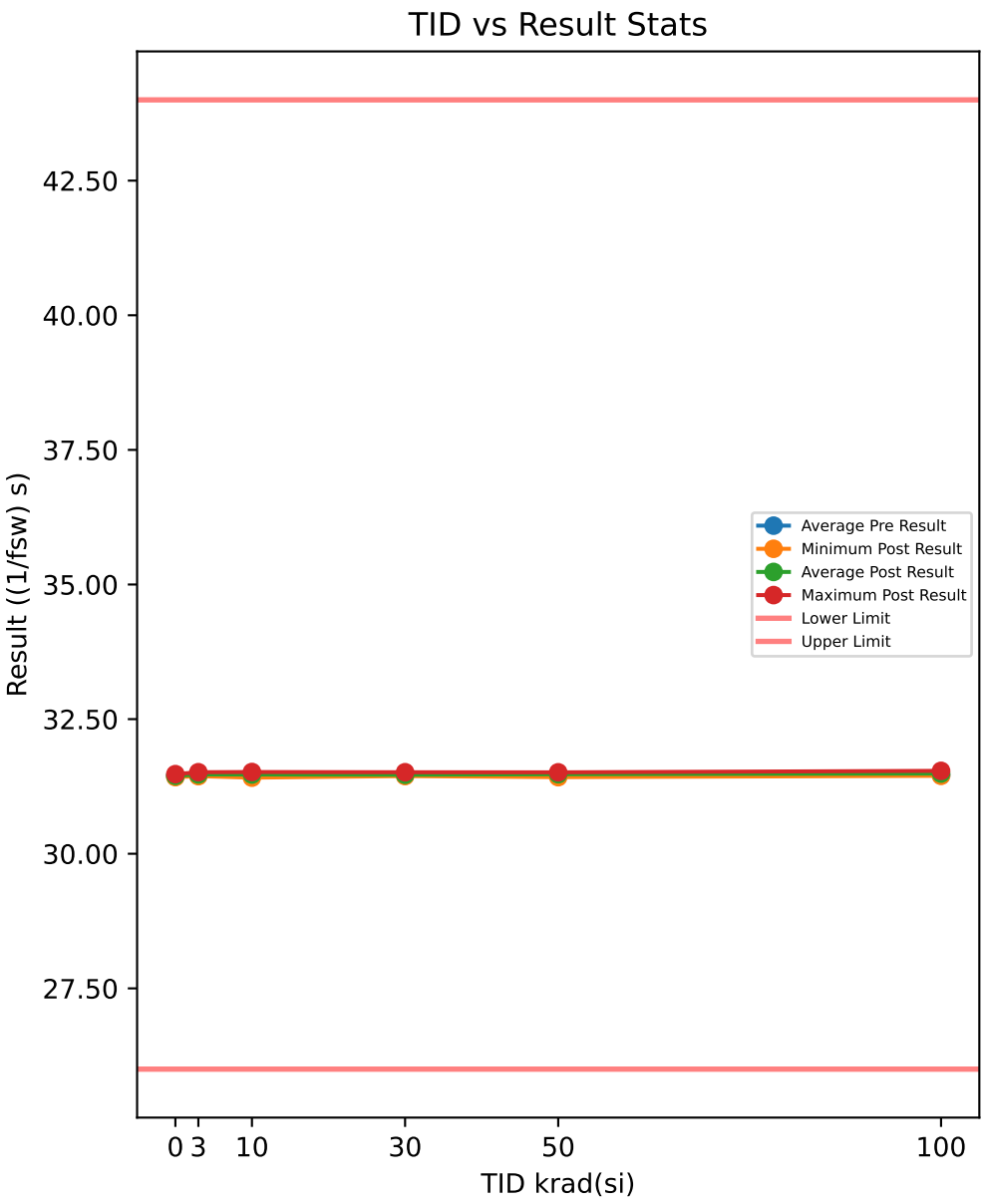
Test Results (Upper Limit = 100.0 (µs))

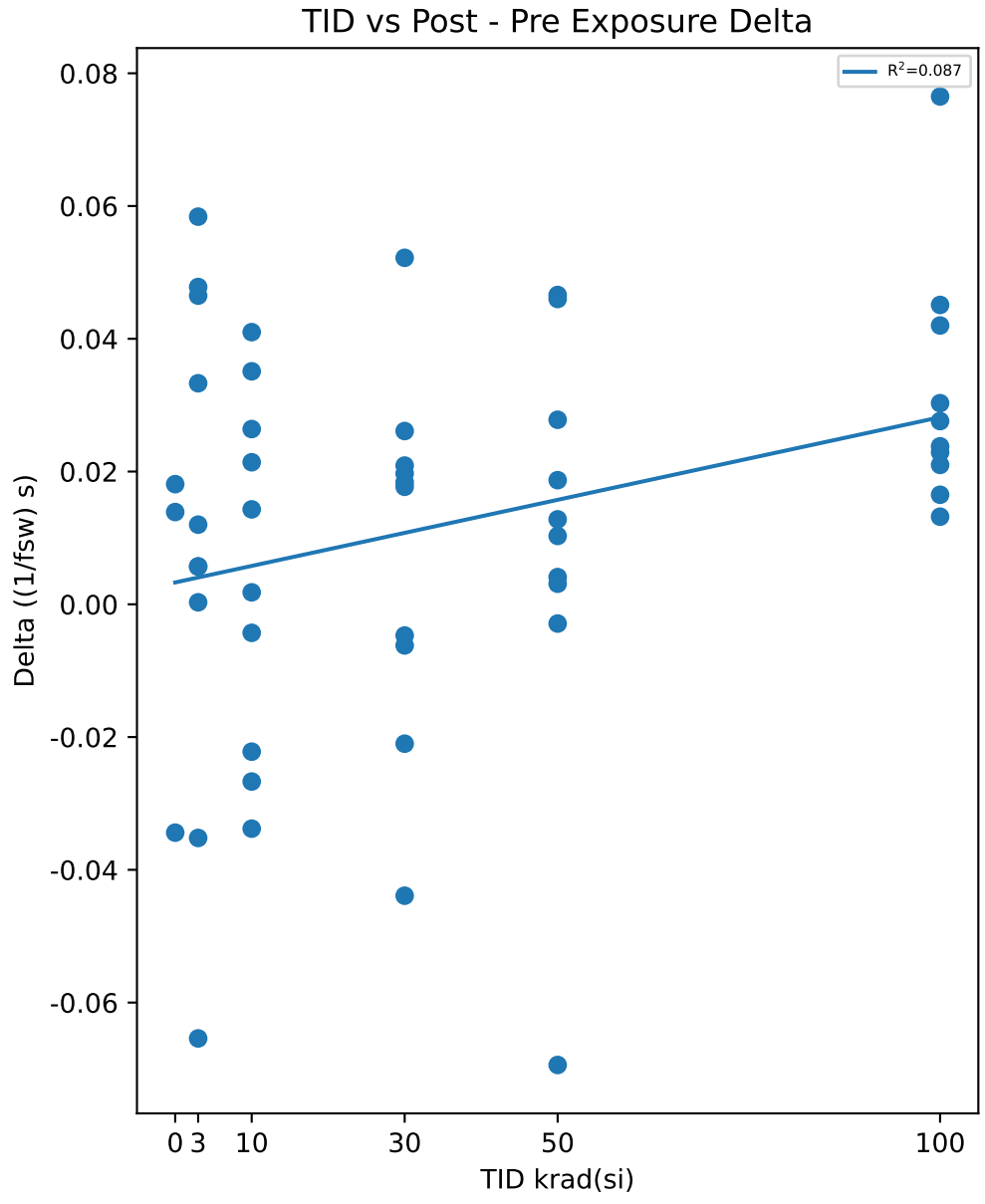
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
390	100	Biased	52.907	53.979	1.0719
392	100	Biased	54.228	55.742	1.5138
393	100	Biased	56.321	57.93	1.6095
394	100	Biased	51.661	53.186	1.5253
395	100	Biased	62.265	64.279	2.0138
412	100	Unbiased	55.475	57.179	1.7045
413	100	Unbiased	58.482	60.072	1.5901
414	100	Unbiased	56.942	58.338	1.3958
415	100	Unbiased	57.195	58.33	1.1349
416	100	Unbiased	55.728	57.781	2.0532
417	50	Biased	56.216	56.449	0.233
418	50	Biased	55.973	56.638	0.665
419	50	Biased	57.24	57.748	0.5075
421	50	Biased	57.261	58.003	0.7424
422	50	Biased	54.582	55.597	1.015
423	50	Unbiased	55.031	56.131	1.1004
424	50	Unbiased	56.516	57.241	0.7255
425	50	Unbiased	55.894	56.563	0.6687
426	50	Unbiased	52.447	52.913	0.4659
427	50	Unbiased	50.917	51.609	0.6925
463	0	Corr	56.425	56.383	-0.0418
464	0	Corr	57.927	57.926	-0.0008
465	0	Corr	56.516	56.426	-0.0899
466	30	Biased	61.012	61.532	0.5196
469	30	Biased	47.207	47.624	0.4171
470	30	Biased	55.193	55.694	0.5004
472	30	Biased	52.403	53.026	0.6227
474	30	Biased	58.947	59.6	0.6527
475	30	Unbiased	58.517	59.148	0.6309
477	30	Unbiased	56.422	56.822	0.3993
478	30	Unbiased	55.418	56.589	1.1704
479	30	Unbiased	54.55	55.017	0.4669
480	30	Unbiased	55.839	56.403	0.5639
481	10	Biased	61.214	61.469	0.2549
482	10	Biased	57.067	57.011	-0.056
483	10	Biased	55.114	55.171	0.0563
484	10	Biased	58.782	58.969	0.1869
485	10	Biased	53.115	53.275	0.1599
487	10	Unbiased	55.023	55.022	-0.0019
488	10	Unbiased	53.682	53.865	0.1822
489	10	Unbiased	56.86	56.888	0.028
490	10	Unbiased	55.922	56.116	0.1933
491	10	Unbiased	57.014	57.186	0.1728
492	3	Biased	56.067	56.18	0.113
493	3	Biased	54.358	54.417	0.059
494	3	Biased	53.752	53.709	-0.0428
495	3	Biased	54.573	54.593	0.0202
496	3	Biased	53.705	53.611	-0.0938
497	3	Unbiased	56.892	56.993	0.1001
498	3	Unbiased	51.42	51.133	-0.2873
499	3	Unbiased	58.636	58.644	0.0083
500	3	Unbiased	55.827	55.566	-0.2608
502	3	Unbiased	53.477	53.519	0.0427

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	56.425	56.956	57.927	0.84224	56.383	56.912	57.926	0.87882	-0.0899	-0.044167	-0.0008	0.044597
3	51.42	54.871	58.636	2.0391	51.133	54.837	58.644	2.1067	-0.2873	-0.03414	0.113	0.14067
10	53.115	56.379	61.214	2.3997	53.275	56.497	61.469	2.4293	-0.056	0.11764	0.2549	0.10252
30	47.207	55.551	61.012	3.8249	47.624	56.145	61.532	3.8657	0.3993	0.59439	1.1704	0.22071
50	50.917	55.208	57.261	2.0706	51.609	55.889	58.003	2.0655	0.233	0.68159	1.1004	0.25184
100	51.661	56.12	62.265	2.9733	53.186	57.682	64.279	3.1285	1.0719	1.5613	2.0532	0.32018

Device Test: 24.154 T_FAULT_DELAY(TIMING|DELAY/FAULT/14//511k//@T_FAULT_DELAY)





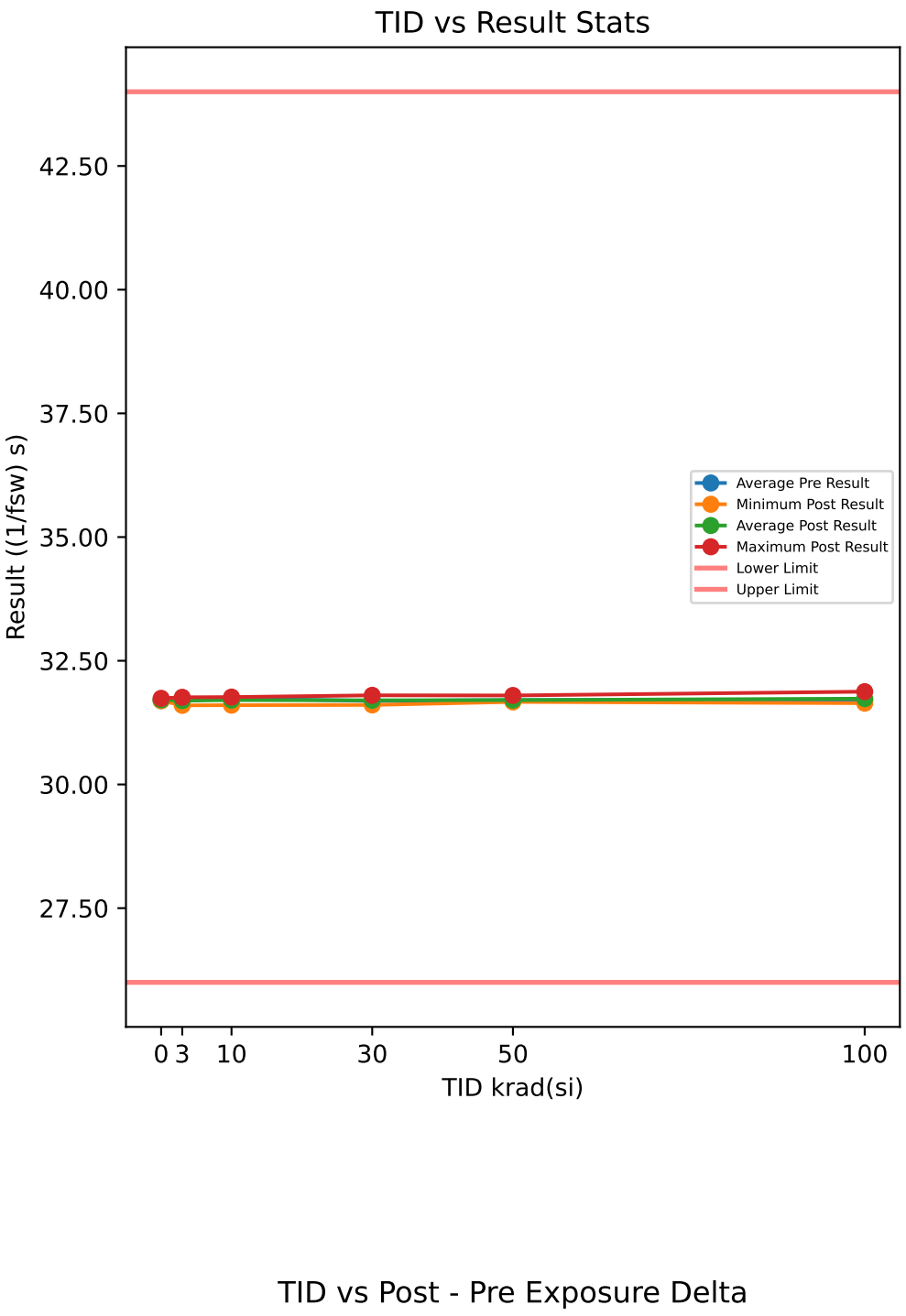
Test Results (Lower Limit = 26.0, Upper Limit = 44.0 ((1/fsw) s))

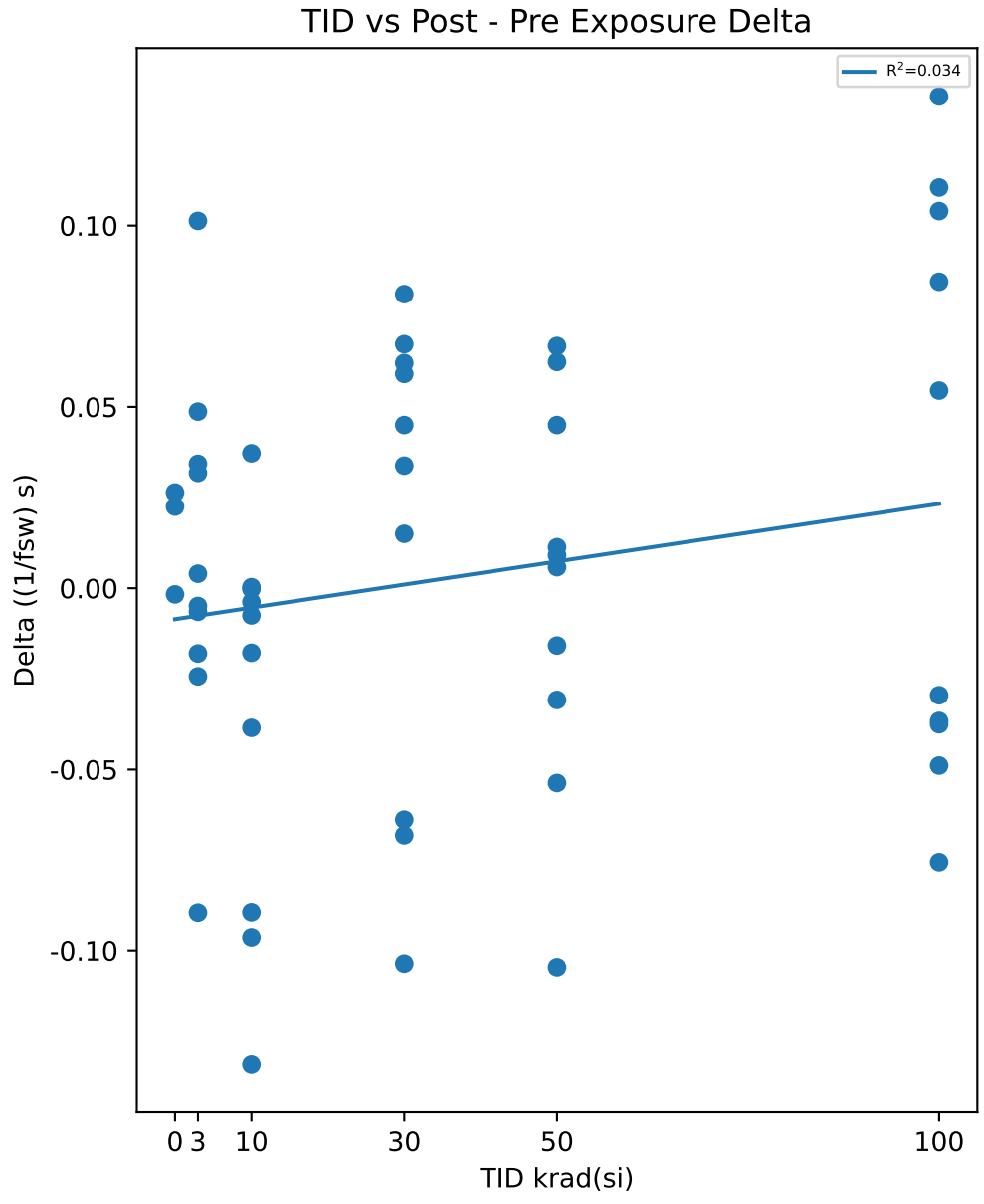
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
390	100	Biased	31.468	31.495	0.0276
392	100	Biased	31.472	31.514	0.042
393	100	Biased	31.458	31.482	0.0238
394	100	Biased	31.474	31.497	0.0229
395	100	Biased	31.434	31.447	0.0132
412	100	Unbiased	31.455	31.472	0.0165
413	100	Unbiased	31.445	31.475	0.0303
414	100	Unbiased	31.469	31.49	0.021
415	100	Unbiased	31.463	31.539	0.0765
416	100	Unbiased	31.439	31.484	0.0451
417	50	Biased	31.466	31.512	0.046
418	50	Biased	31.476	31.486	0.0103
419	50	Biased	31.495	31.5	0.0041
421	50	Biased	31.439	31.436	-0.0029
422	50	Biased	31.488	31.491	0.0031
423	50	Unbiased	31.479	31.507	0.0278
424	50	Unbiased	31.431	31.449	0.0187
425	50	Unbiased	31.492	31.422	-0.0694
426	50	Unbiased	31.425	31.472	0.0466
427	50	Unbiased	31.481	31.494	0.0128
463	0	Corr	31.424	31.438	0.0139
464	0	Corr	31.46	31.478	0.0181
465	0	Corr	31.457	31.423	-0.0344
466	30	Biased	31.467	31.485	0.0184
469	30	Biased	31.445	31.463	0.0177
470	30	Biased	31.434	31.46	0.0261
472	30	Biased	31.44	31.461	0.0209
474	30	Biased	31.465	31.444	-0.021
475	30	Unbiased	31.461	31.514	0.0522
477	30	Unbiased	31.484	31.477	-0.0062
478	30	Unbiased	31.5	31.456	-0.0439
479	30	Unbiased	31.447	31.443	-0.0047
480	30	Unbiased	31.445	31.465	0.0197
481	10	Biased	31.48	31.476	-0.0043
482	10	Biased	31.473	31.514	0.041
483	10	Biased	31.399	31.413	0.0143
484	10	Biased	31.473	31.451	-0.0222
485	10	Biased	31.512	31.478	-0.0338
487	10	Unbiased	31.482	31.455	-0.0267
488	10	Unbiased	31.454	31.489	0.0351
489	10	Unbiased	31.453	31.474	0.0214
490	10	Unbiased	31.491	31.518	0.0264
491	10	Unbiased	31.443	31.445	0.0018
492	3	Biased	31.437	31.471	0.0333
493	3	Biased	31.466	31.478	0.012
494	3	Biased	31.467	31.514	0.0465
495	3	Biased	31.415	31.462	0.0478
496	3	Biased	31.517	31.452	-0.0654
497	3	Unbiased	31.47	31.471	0.0003
498	3	Unbiased	31.476	31.441	-0.0352
499	3	Unbiased	31.482	31.487	0.0057
500	3	Unbiased	31.452	31.457	0.0057
502	3	Unbiased	31.435	31.494	0.0584

Test Statistics ((1/fsw) s)

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	31.424	31.447	31.46	0.020115	31.423	31.446	31.478	0.028654	-0.0344	-0.0008	0.0181	0.029174
3	31.415	31.462	31.517	0.028634	31.441	31.473	31.514	0.02158	-0.0654	0.01091	0.0584	0.038732
10	31.399	31.466	31.512	0.030955	31.413	31.471	31.518	0.031845	-0.0338	0.0053	0.041	0.026586
30	31.434	31.459	31.5	0.020903	31.443	31.467	31.514	0.021003	-0.0439	0.00792	0.0522	0.027252
50	31.425	31.467	31.495	0.026038	31.422	31.477	31.512	0.030973	-0.0694	0.00971	0.0466	0.03264
100	31.434	31.458	31.474	0.014063	31.447	31.49	31.539	0.024817	0.0132	0.03189	0.0765	0.018675

Device Test: 24.156 T_FAULT_DELAY(TIMING|DELAY/FAULT/14//90.9k//@T_FAULT_DELAY)





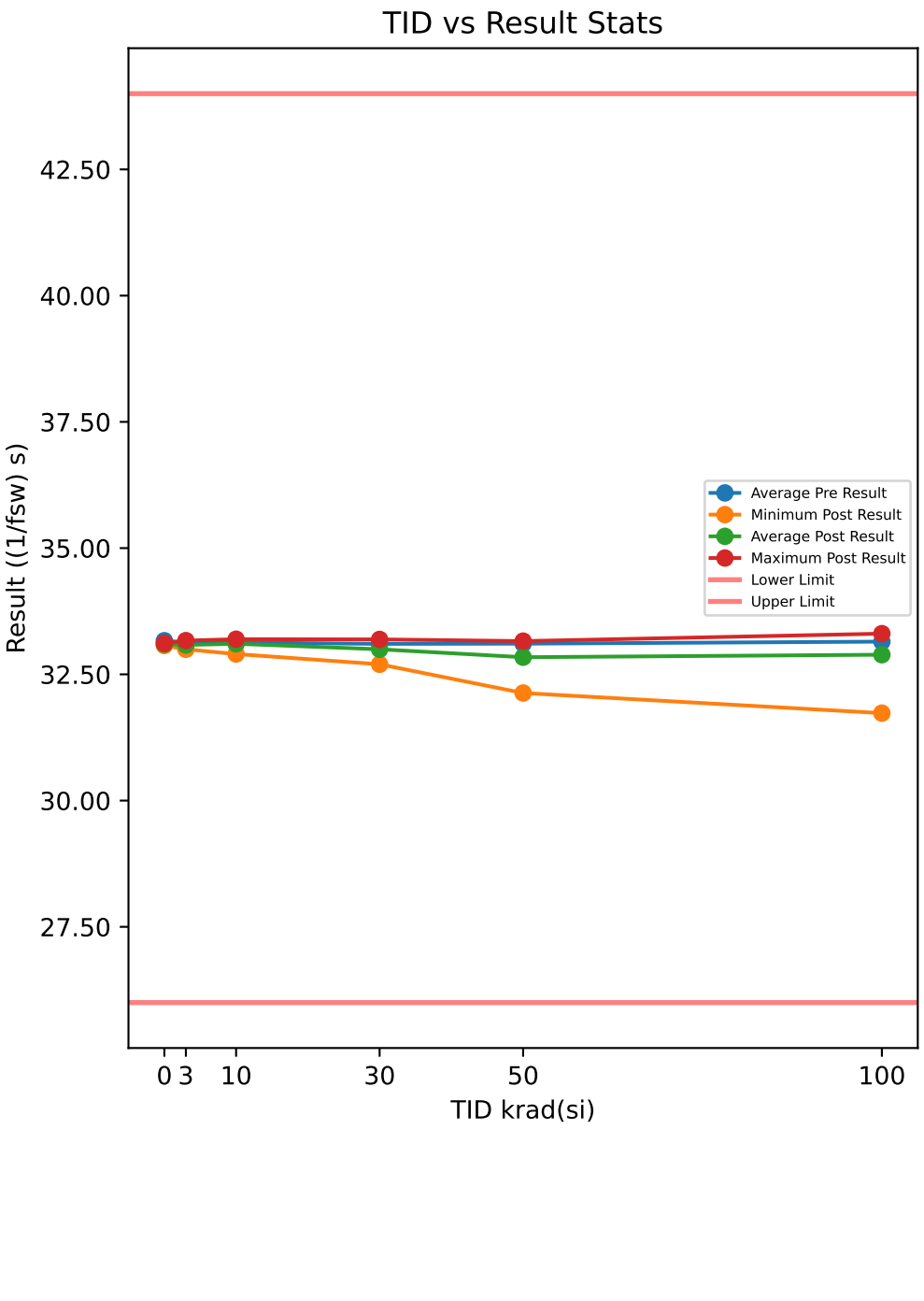
Test Results (Lower Limit = 26.0, Upper Limit = 44.0 ((1/fsw) s))

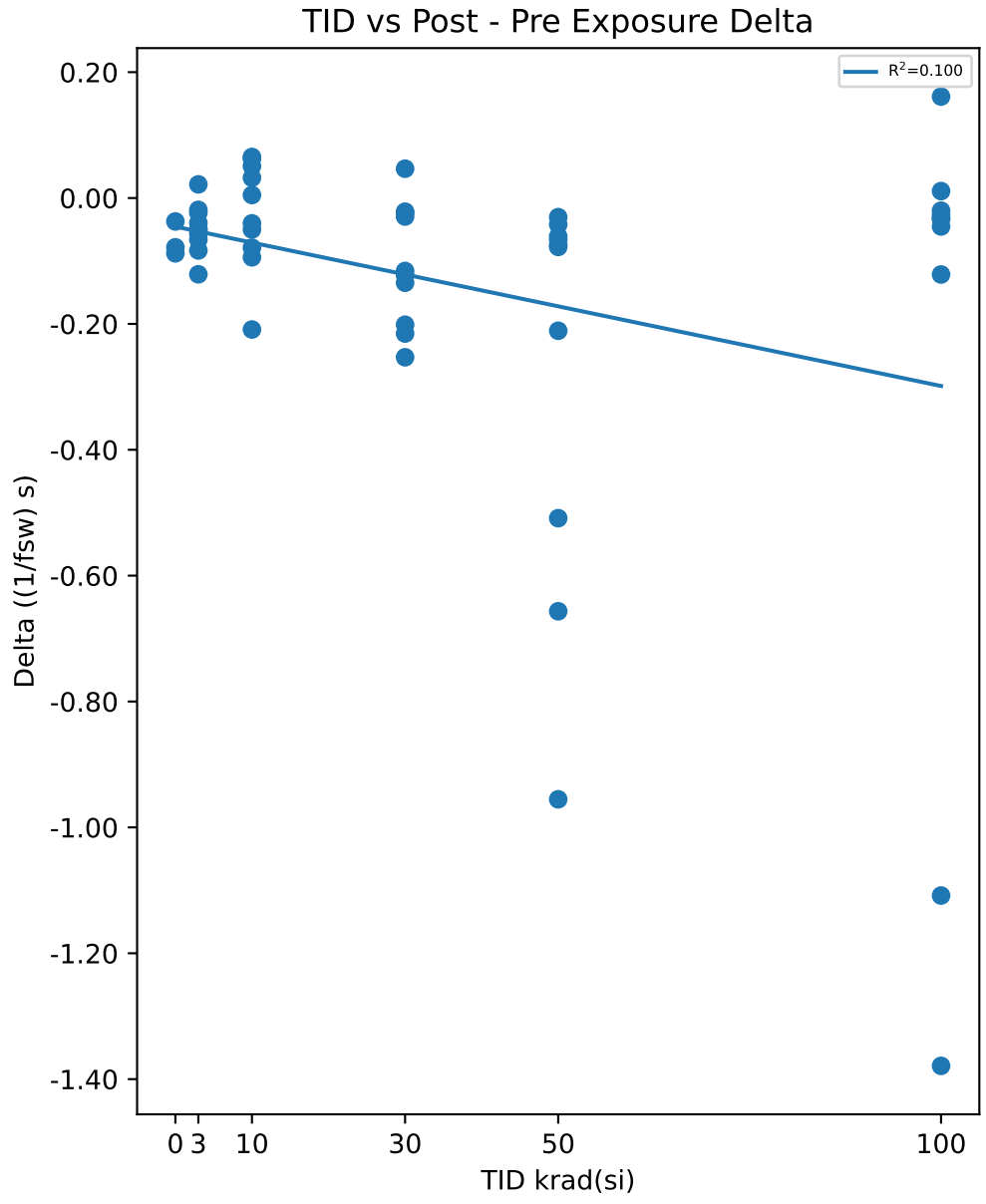
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
390	100	Biased	31.791	31.762	-0.0295
392	100	Biased	31.713	31.767	0.0545
393	100	Biased	31.73	31.693	-0.0366
394	100	Biased	31.675	31.811	0.1356
395	100	Biased	31.605	31.69	0.0845
412	100	Unbiased	31.717	31.668	-0.0489
413	100	Unbiased	31.614	31.725	0.1105
414	100	Unbiased	31.743	31.706	-0.0375
415	100	Unbiased	31.772	31.876	0.104
416	100	Unbiased	31.718	31.643	-0.0755
417	50	Biased	31.732	31.799	0.0668
418	50	Biased	31.672	31.734	0.0624
419	50	Biased	31.785	31.68	-0.1046
421	50	Biased	31.699	31.669	-0.0308
422	50	Biased	31.663	31.673	0.0091
423	50	Unbiased	31.684	31.69	0.0058
424	50	Unbiased	31.695	31.679	-0.0158
425	50	Unbiased	31.742	31.689	-0.0537
426	50	Unbiased	31.671	31.716	0.045
427	50	Unbiased	31.71	31.722	0.0113
463	0	Corr	31.666	31.692	0.0264
464	0	Corr	31.718	31.741	0.0225
465	0	Corr	31.702	31.7	-0.0017
466	30	Biased	31.692	31.773	0.0811
469	30	Biased	31.625	31.67	0.045
470	30	Biased	31.74	31.636	-0.1036
472	30	Biased	31.592	31.607	0.015
474	30	Biased	31.642	31.675	0.0338
475	30	Unbiased	31.742	31.802	0.0591
477	30	Unbiased	31.689	31.751	0.0621
478	30	Unbiased	31.767	31.703	-0.0638
479	30	Unbiased	31.696	31.628	-0.0681
480	30	Unbiased	31.699	31.766	0.0673
481	10	Biased	31.748	31.71	-0.0385
482	10	Biased	31.78	31.684	-0.0964
483	10	Biased	31.734	31.602	-0.1312
484	10	Biased	31.729	31.725	-0.0038
485	10	Biased	31.789	31.7	-0.0895
487	10	Unbiased	31.737	31.73	-0.0075
488	10	Unbiased	31.745	31.727	-0.0178
489	10	Unbiased	31.689	31.727	0.0372
490	10	Unbiased	31.765	31.766	0.0003
491	10	Unbiased	31.678	31.678	-0.0002
492	3	Biased	31.729	31.704	-0.0243
493	3	Biased	31.742	31.724	-0.018
494	3	Biased	31.692	31.741	0.0487
495	3	Biased	31.616	31.609	-0.0065
496	3	Biased	31.623	31.724	0.1013
497	3	Unbiased	31.727	31.762	0.0343
498	3	Unbiased	31.689	31.599	-0.0896
499	3	Unbiased	31.706	31.701	-0.0049
500	3	Unbiased	31.712	31.716	0.004
502	3	Unbiased	31.637	31.669	0.0318

Test Statistics ((1/fsw) s)

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	31.666	31.695	31.718	0.026878	31.692	31.711	31.741	0.026158	-0.0017	0.015733	0.0264	0.015223
3	31.616	31.687	31.742	0.046057	31.599	31.695	31.762	0.053842	-0.0896	0.00768	0.1013	0.050833
10	31.678	31.739	31.789	0.035501	31.602	31.705	31.766	0.043996	-0.1312	-0.03474	0.0372	0.053439
30	31.592	31.688	31.767	0.055183	31.607	31.701	31.802	0.068377	-0.1036	0.01279	0.0811	0.066377
50	31.663	31.705	31.785	0.037983	31.669	31.705	31.799	0.039727	-0.1046	-0.00045	0.0668	0.053381
100	31.605	31.708	31.791	0.060764	31.643	31.734	31.876	0.070714	-0.0755	0.02611	0.1356	0.079172

Device Test: 24.158 T_FAULT_DELAY(TIMING|DELAY/FAULT/14//34.8k//@T_FAULT_DELAY)





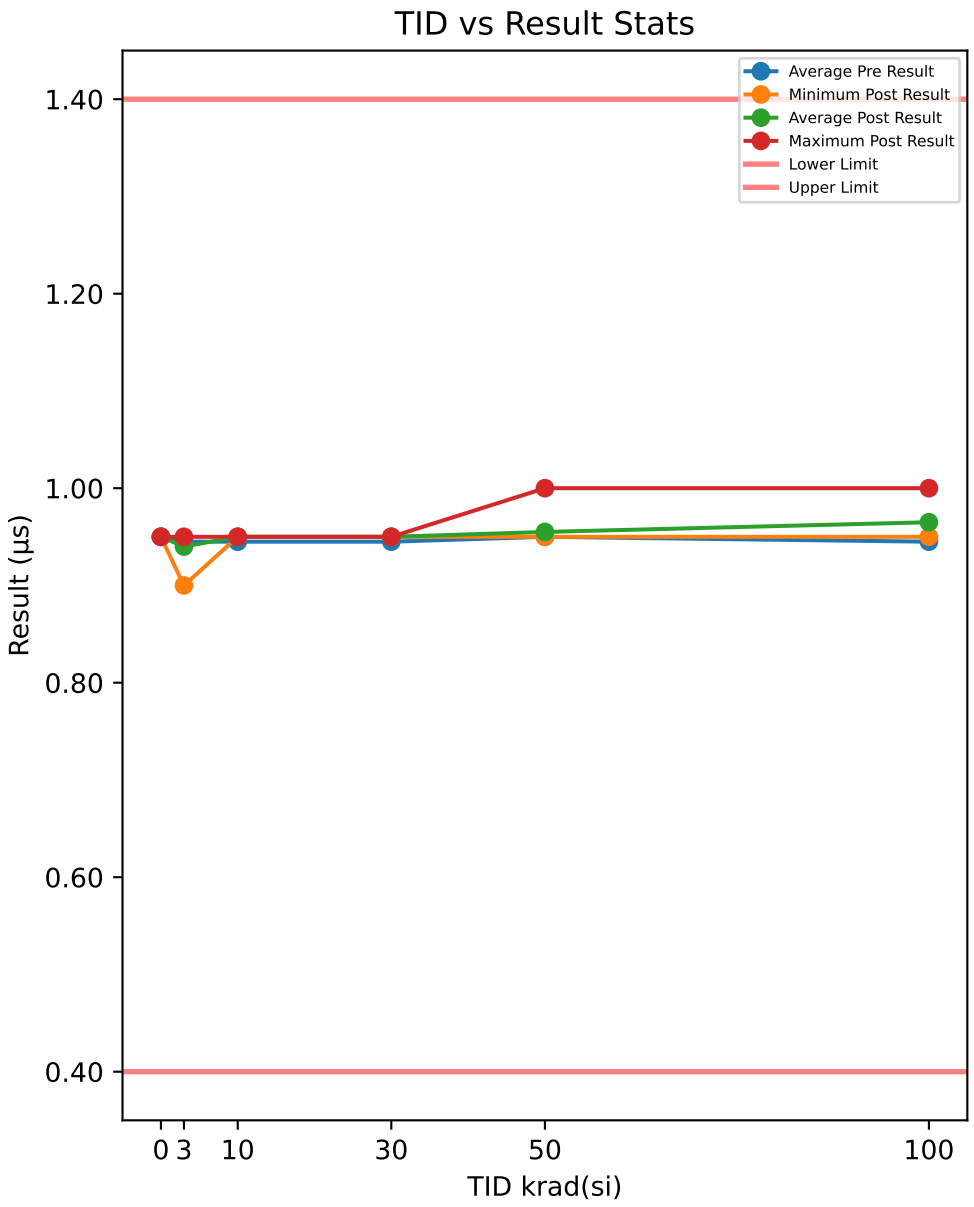
Test Results (Lower Limit = 26.0, Upper Limit = 44.0 ((1/fsw) s))

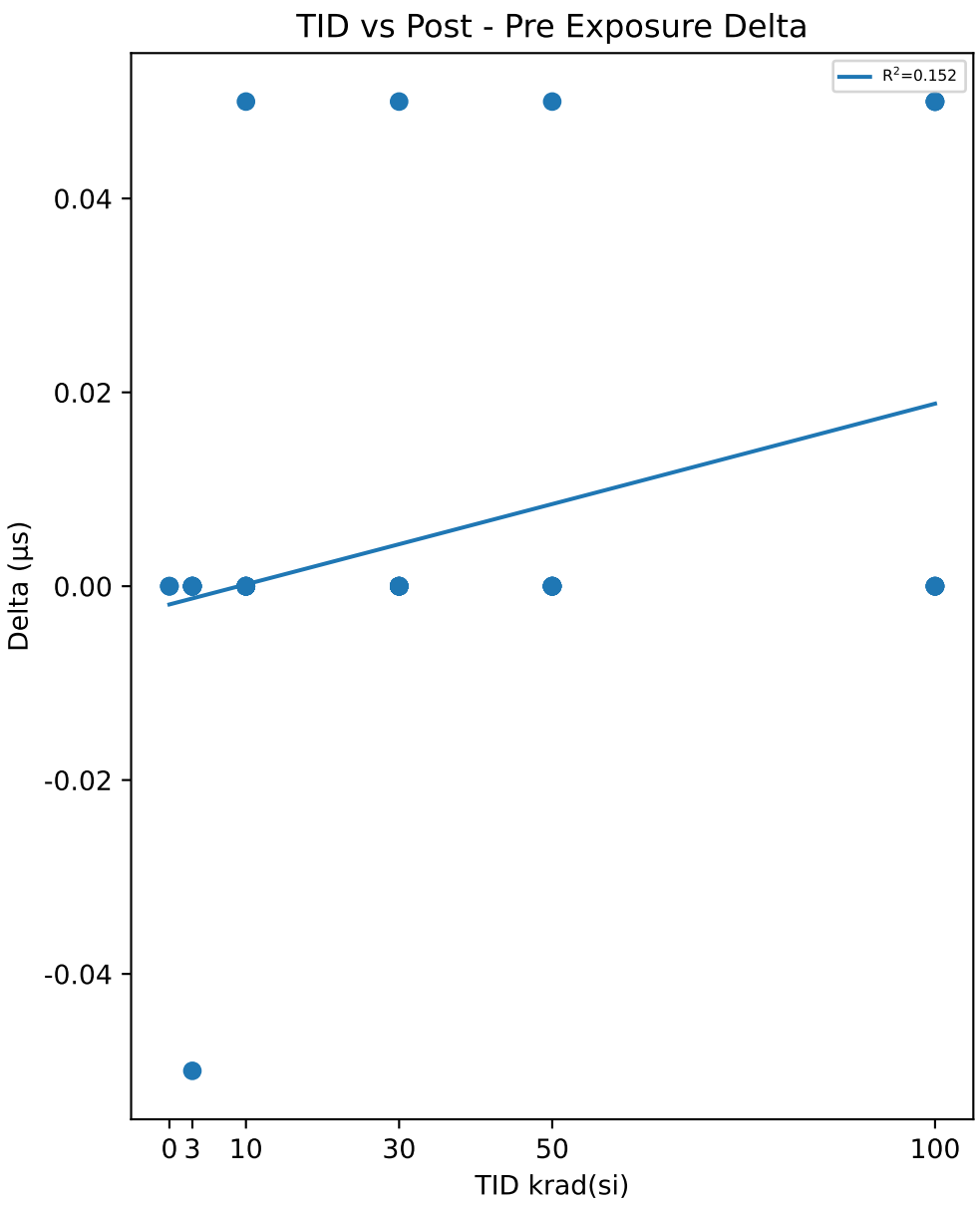
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
390	100	Biased	33.183	32.074	-1.1083
392	100	Biased	33.186	33.166	-0.0201
393	100	Biased	33.186	33.064	-0.1215
394	100	Biased	32.922	32.895	-0.0269
395	100	Biased	33.111	31.732	-1.3789
412	100	Unbiased	33.176	33.143	-0.0327
413	100	Unbiased	33.195	33.162	-0.0333
414	100	Unbiased	33.198	33.209	0.011
415	100	Unbiased	33.145	33.306	0.1612
416	100	Unbiased	33.176	33.131	-0.0452
417	50	Biased	33.107	32.45	-0.6566
418	50	Biased	33.039	32.997	-0.0421
419	50	Biased	33.154	33.087	-0.066
421	50	Biased	33.027	32.949	-0.0777
422	50	Biased	33.189	33.158	-0.0304
423	50	Unbiased	33.138	33.064	-0.0748
424	50	Unbiased	33.201	32.692	-0.5087
425	50	Unbiased	33.089	32.878	-0.2109
426	50	Unbiased	33.086	32.13	-0.9554
427	50	Unbiased	33.048	32.987	-0.0609
463	0	Corr	33.109	33.072	-0.0372
464	0	Corr	33.196	33.108	-0.0879
465	0	Corr	33.194	33.115	-0.0783
466	30	Biased	32.953	32.7	-0.253
469	30	Biased	33.143	33.008	-0.1346
470	30	Biased	33.145	33.192	0.0466
472	30	Biased	33.059	32.936	-0.1229
474	30	Biased	33.121	32.906	-0.2153
475	30	Unbiased	33.086	33.065	-0.0217
477	30	Unbiased	33.146	33.123	-0.0234
478	30	Unbiased	33.088	33.059	-0.0294
479	30	Unbiased	33.113	32.997	-0.1159
480	30	Unbiased	33.181	32.98	-0.2013
481	10	Biased	33.176	33.136	-0.0402
482	10	Biased	33.111	32.902	-0.2089
483	10	Biased	33.142	33.146	0.0048
484	10	Biased	33.175	33.096	-0.0789
485	10	Biased	33.157	33.062	-0.0942
487	10	Unbiased	32.972	33.034	0.0627
488	10	Unbiased	33.169	33.119	-0.05
489	10	Unbiased	33.13	33.196	0.0653
490	10	Unbiased	33.134	33.184	0.0506
491	10	Unbiased	33.147	33.179	0.0322
492	3	Biased	33.078	33.099	0.0217
493	3	Biased	33.187	33.168	-0.0188
494	3	Biased	33.182	33.142	-0.0395
495	3	Biased	33.097	33.014	-0.0833
496	3	Biased	33.178	33.112	-0.0661
497	3	Unbiased	33.154	33.104	-0.0498
498	3	Unbiased	33.114	33.058	-0.0561
499	3	Unbiased	33.109	33.086	-0.0235
500	3	Unbiased	33.095	33.045	-0.0499
502	3	Unbiased	33.117	32.996	-0.1212

Test Statistics ((1/fsw) s)

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	33.109	33.166	33.196	0.049699	33.072	33.099	33.115	0.023436	-0.0879	-0.0678	-0.0372	0.026932
3	33.078	33.131	33.187	0.040349	32.996	33.082	33.168	0.054465	-0.1212	-0.04865	0.0217	0.038562
10	32.972	33.131	33.176	0.0598	32.902	33.105	33.196	0.088692	-0.2089	-0.02566	0.0653	0.086977
30	32.953	33.103	33.181	0.063954	32.7	32.996	33.192	0.13462	-0.253	-0.10709	0.0466	0.098269
50	33.027	33.108	33.201	0.06138	32.13	32.839	33.158	0.32481	-0.9554	-0.26835	-0.0304	0.3248
100	32.922	33.148	33.198	0.08348	31.732	32.888	33.306	0.53575	-1.3789	-0.25947	0.1612	0.52733

Device Test: 24.159 T_FAULT_MIN(TIMING|MINON/FAULT/14//511k//@T_FAULT_MIN)





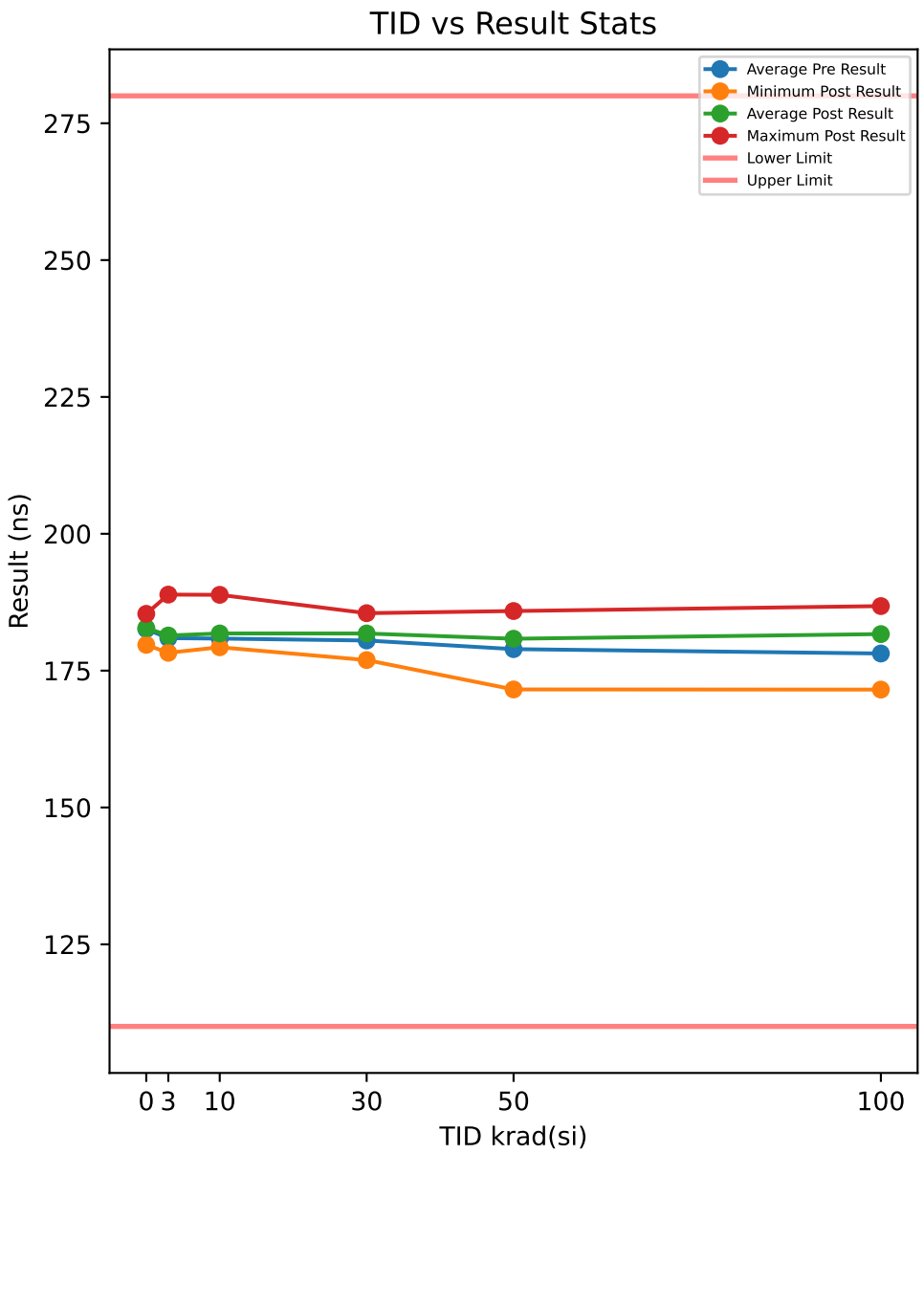
Test Results (Lower Limit = 0.4, Upper Limit = 1.4 (µs))

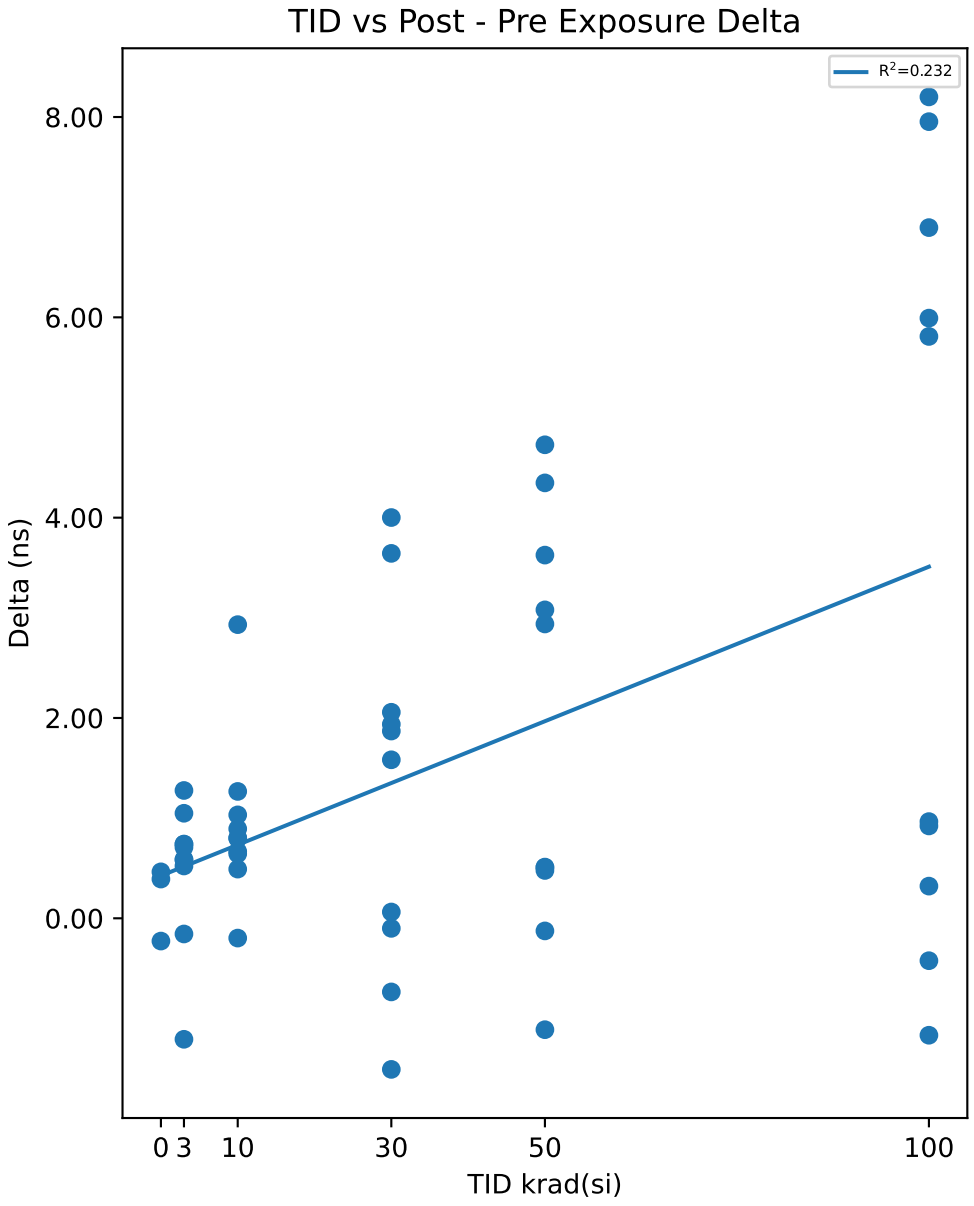
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
390	100	Biased	0.9	0.95	0.05
392	100	Biased	0.95	0.95	0
393	100	Biased	0.95	0.95	0
394	100	Biased	0.95	0.95	0
395	100	Biased	0.95	0.95	0
412	100	Unbiased	0.95	0.95	0
413	100	Unbiased	0.95	1	0.05
414	100	Unbiased	0.95	0.95	0
415	100	Unbiased	0.95	1	0.05
416	100	Unbiased	0.95	1	0.05
417	50	Biased	0.9	0.95	0.05
418	50	Biased	0.95	0.95	0
419	50	Biased	0.95	0.95	0
421	50	Biased	0.95	0.95	0
422	50	Biased	0.95	0.95	0
423	50	Unbiased	0.95	0.95	0
424	50	Unbiased	1	1	0
425	50	Unbiased	0.95	0.95	0
426	50	Unbiased	0.95	0.95	0
427	50	Unbiased	0.95	0.95	0
463	0	Corr	0.95	0.95	0
464	0	Corr	0.95	0.95	0
465	0	Corr	0.95	0.95	0
466	30	Biased	0.95	0.95	0
469	30	Biased	0.95	0.95	0
470	30	Biased	0.95	0.95	0
472	30	Biased	0.95	0.95	0
474	30	Biased	0.95	0.95	0
475	30	Unbiased	0.95	0.95	0
477	30	Unbiased	0.95	0.95	0
478	30	Unbiased	0.9	0.95	0.05
479	30	Unbiased	0.95	0.95	0
480	30	Unbiased	0.95	0.95	0
481	10	Biased	0.95	0.95	0
482	10	Biased	0.95	0.95	0
483	10	Biased	0.95	0.95	0
484	10	Biased	0.95	0.95	0
485	10	Biased	0.95	0.95	0
487	10	Unbiased	0.9	0.95	0.05
488	10	Unbiased	0.95	0.95	0
489	10	Unbiased	0.95	0.95	0
490	10	Unbiased	0.95	0.95	0
491	10	Unbiased	0.95	0.95	0
492	3	Biased	0.95	0.95	0
493	3	Biased	0.95	0.95	0
494	3	Biased	0.95	0.95	0
495	3	Biased	0.95	0.95	0
496	3	Biased	0.9	0.9	0
497	3	Unbiased	0.95	0.95	0
498	3	Unbiased	0.95	0.9	-0.05
499	3	Unbiased	0.95	0.95	0
500	3	Unbiased	0.95	0.95	0
502	3	Unbiased	0.95	0.95	0

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	0.95	0.95	0.95	0	0.95	0.95	0.95	0	0	0	0	0
3	0.9	0.945	0.95	0.015811	0.9	0.94	0.95	0.021082	-0.05	-0.005	0	0.015811
10	0.9	0.945	0.95	0.015811	0.95	0.95	0.95	0	0	0.005	0.05	0.015811
30	0.9	0.945	0.95	0.015811	0.95	0.95	0.95	0	0	0.005	0.05	0.015811
50	0.9	0.95	1	0.02357	0.95	0.955	1	0.015811	0	0.005	0.05	0.015811
100	0.9	0.945	0.95	0.015811	0.95	0.965	1	0.024152	0	0.02	0.05	0.02582

vice Test: 24.16 SYNC1_SW_DELAY_OUTPUT_4V(TIMING|DELAY/SYNC1/4.5//511k//@SYNC1_SW_DELAY_OUTPUT_4





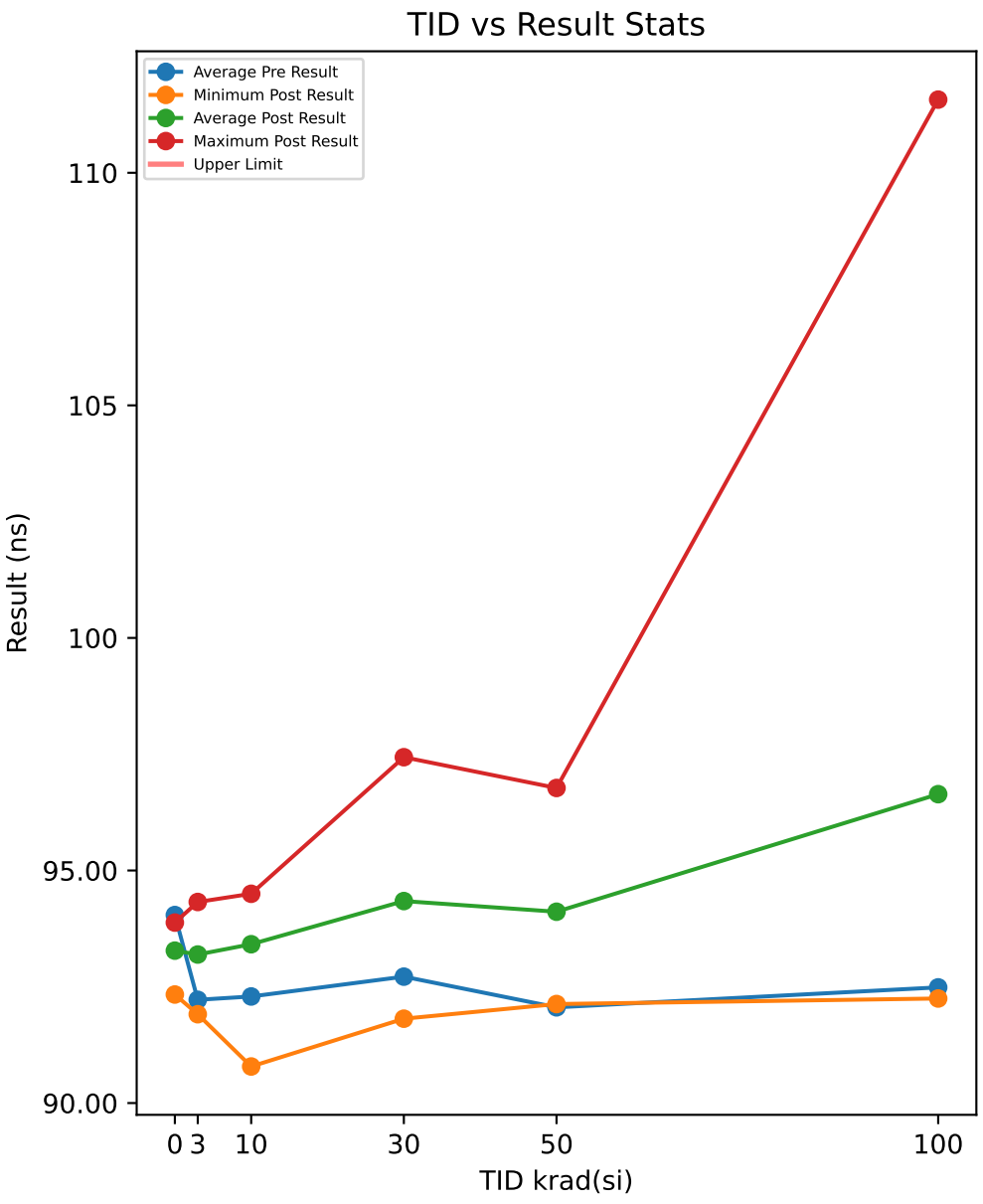
Test Results (Lower Limit = 110.0, Upper Limit = 280.0 (ns))

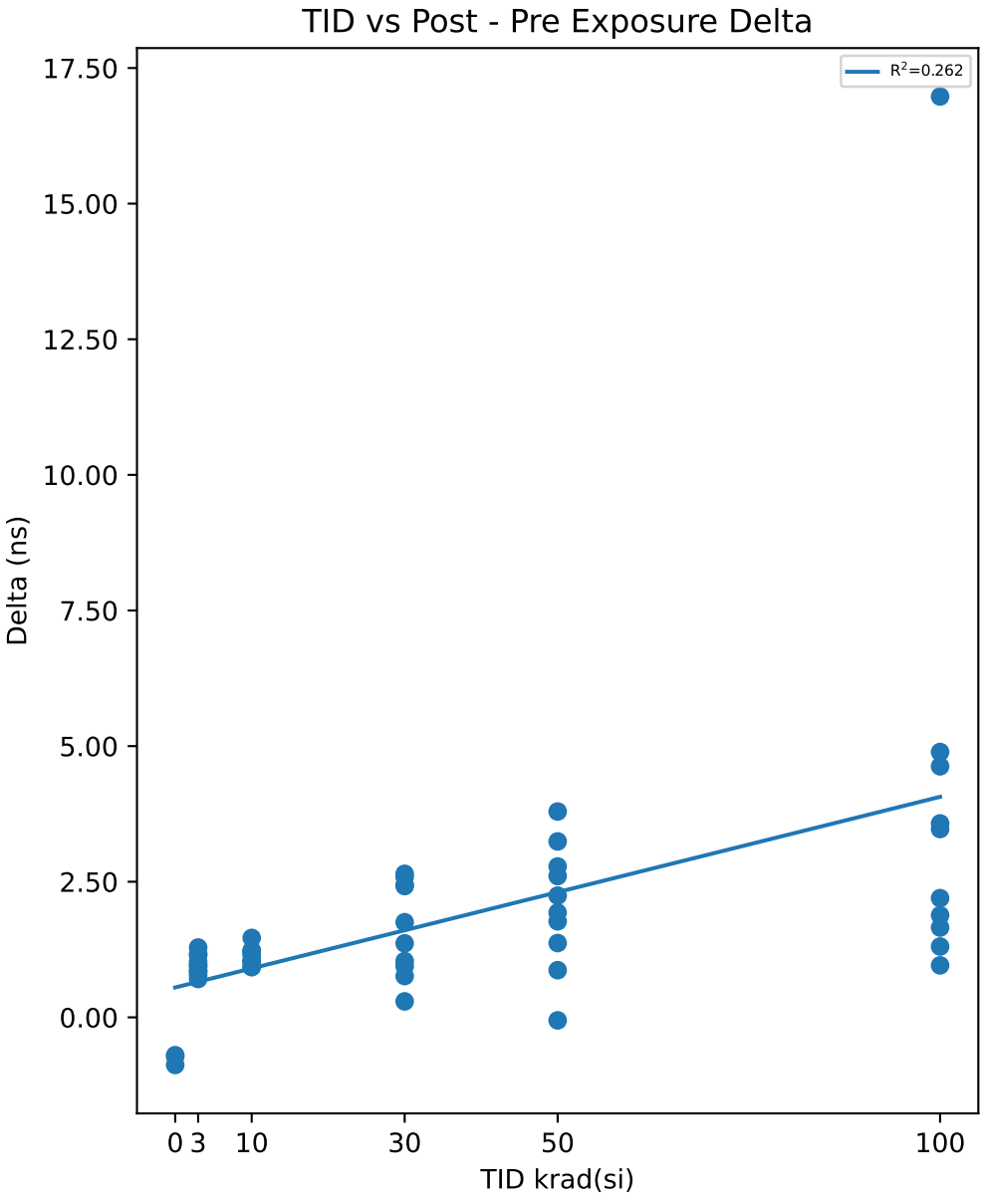
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
390	100	Biased	177.27	178.19	0.9221
392	100	Biased	177.16	185.36	8.2008
393	100	Biased	174.97	180.77	5.8093
394	100	Biased	177.3	183.29	5.9922
395	100	Biased	178.27	186.22	7.9537
412	100	Unbiased	180.86	181.18	0.3213
413	100	Unbiased	171.96	171.54	-0.4233
414	100	Unbiased	182.45	183.41	0.9655
415	100	Unbiased	179.89	186.79	6.8959
416	100	Unbiased	181.16	179.99	-1.1675
417	50	Biased	179.69	183.32	3.6262
418	50	Biased	182.48	185.41	2.9386
419	50	Biased	175.37	179.71	4.3471
421	50	Biased	177.57	180.65	3.0794
422	50	Biased	181.16	185.89	4.7275
423	50	Unbiased	182.27	181.16	-1.1121
424	50	Unbiased	177.27	177.78	0.5113
425	50	Unbiased	181.55	182.06	0.5077
426	50	Unbiased	180.24	180.72	0.4776
427	50	Unbiased	171.69	171.56	-0.1259
463	0	Corr	179.32	179.71	0.3918
464	0	Corr	182.83	183.3	0.4639
465	0	Corr	185.6	185.37	-0.2273
466	30	Biased	182.6	184.54	1.9373
469	30	Biased	175.18	177.05	1.8696
470	30	Biased	179.04	182.68	3.6434
472	30	Biased	180.36	182.42	2.0571
474	30	Biased	181.5	185.5	4.0012
475	30	Unbiased	182.39	182.29	-0.1004
477	30	Unbiased	185.88	185.15	-0.735
478	30	Unbiased	176.87	176.93	0.063
479	30	Unbiased	180.79	179.28	-1.5085
480	30	Unbiased	180.44	182.03	1.5826
481	10	Biased	182.68	183.95	1.2667
482	10	Biased	181.32	182.35	1.0326
483	10	Biased	178.47	179.27	0.8047
484	10	Biased	180.52	181.42	0.8935
485	10	Biased	177.14	180.07	2.9319
487	10	Unbiased	181.11	181.77	0.6673
488	10	Unbiased	179.7	180.34	0.6439
489	10	Unbiased	179.64	179.45	-0.1974
490	10	Unbiased	188.05	188.85	0.797
491	10	Unbiased	179.95	180.44	0.4912
492	3	Biased	179.58	180.17	0.5891
493	3	Biased	178.92	179.66	0.7401
494	3	Biased	178.74	179.79	1.0487
495	3	Biased	177.68	178.26	0.5826
496	3	Biased	182.63	183.16	0.5224
497	3	Unbiased	182.44	182.28	-0.1565
498	3	Unbiased	178.6	179.87	1.2763
499	3	Unbiased	188.18	188.89	0.709
500	3	Unbiased	181.99	182.73	0.7406
502	3	Unbiased	180.57	179.36	-1.208

Test Statistics (ns)

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	179.32	182.58	185.6	3.1489	179.71	182.79	185.37	2.8654	-0.2273	0.20947	0.4639	0.37997
3	177.68	180.93	188.18	3.0861	178.26	181.42	188.89	3.0774	-1.208	0.48443	1.2763	0.70111
10	177.14	180.86	188.05	2.9569	179.27	181.79	188.85	2.8611	-0.1974	0.93314	2.9319	0.80143
30	175.18	180.5	185.88	3.0112	176.93	181.79	185.5	3.098	-1.5085	1.281	4.0012	1.8162
50	171.69	178.93	182.48	3.4577	171.56	180.83	185.89	4.094	-1.1121	1.8977	4.7275	2.0683
100	171.96	178.13	182.45	3.1421	171.54	181.68	186.79	4.5329	-1.1675	3.547	8.2008	3.7318

Device Test: 24.160 T_DEAD(TIMING|DELAY/SW/14//511k//@T_DEAD)





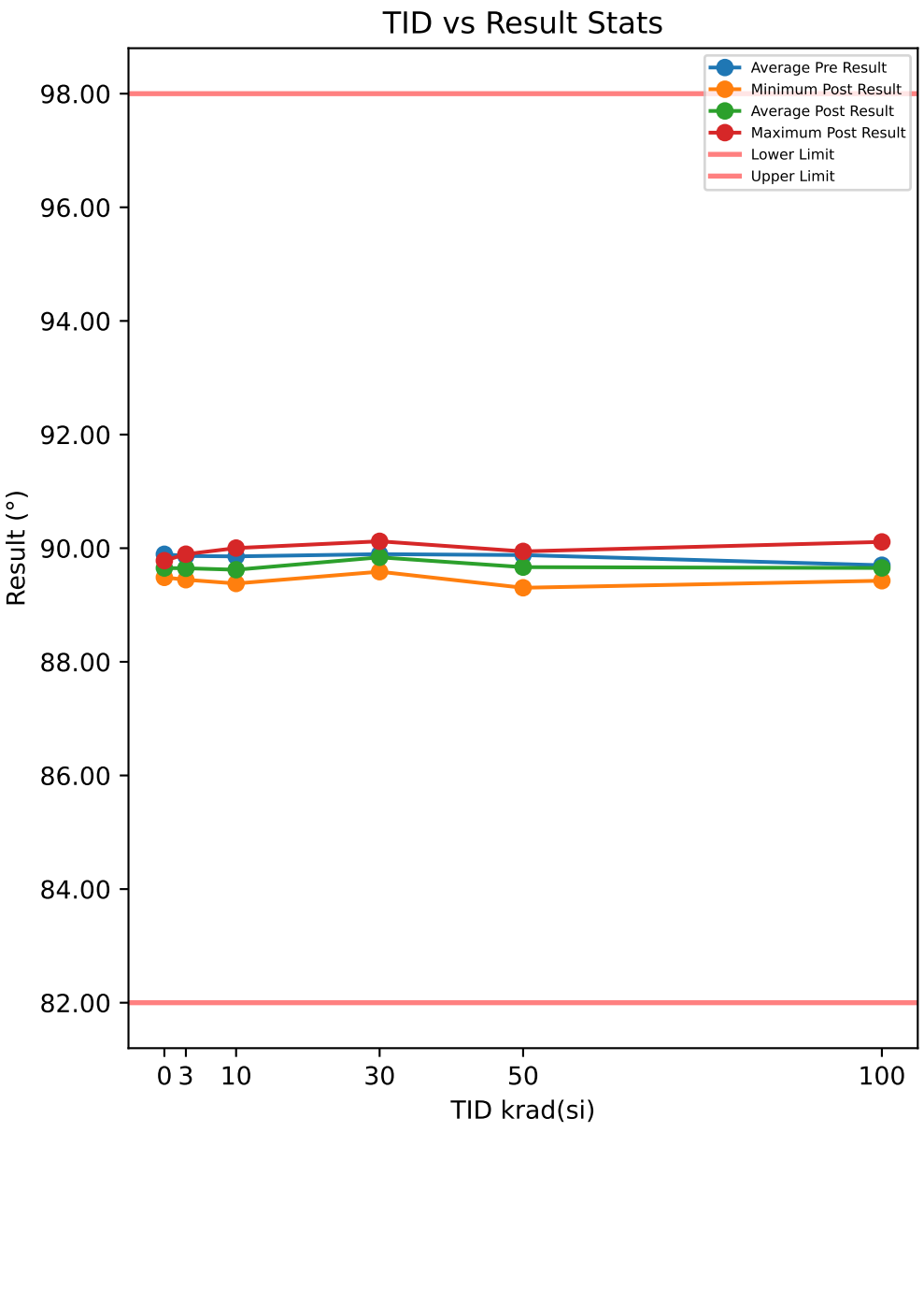
Test Results (No Limits Specified (ns))

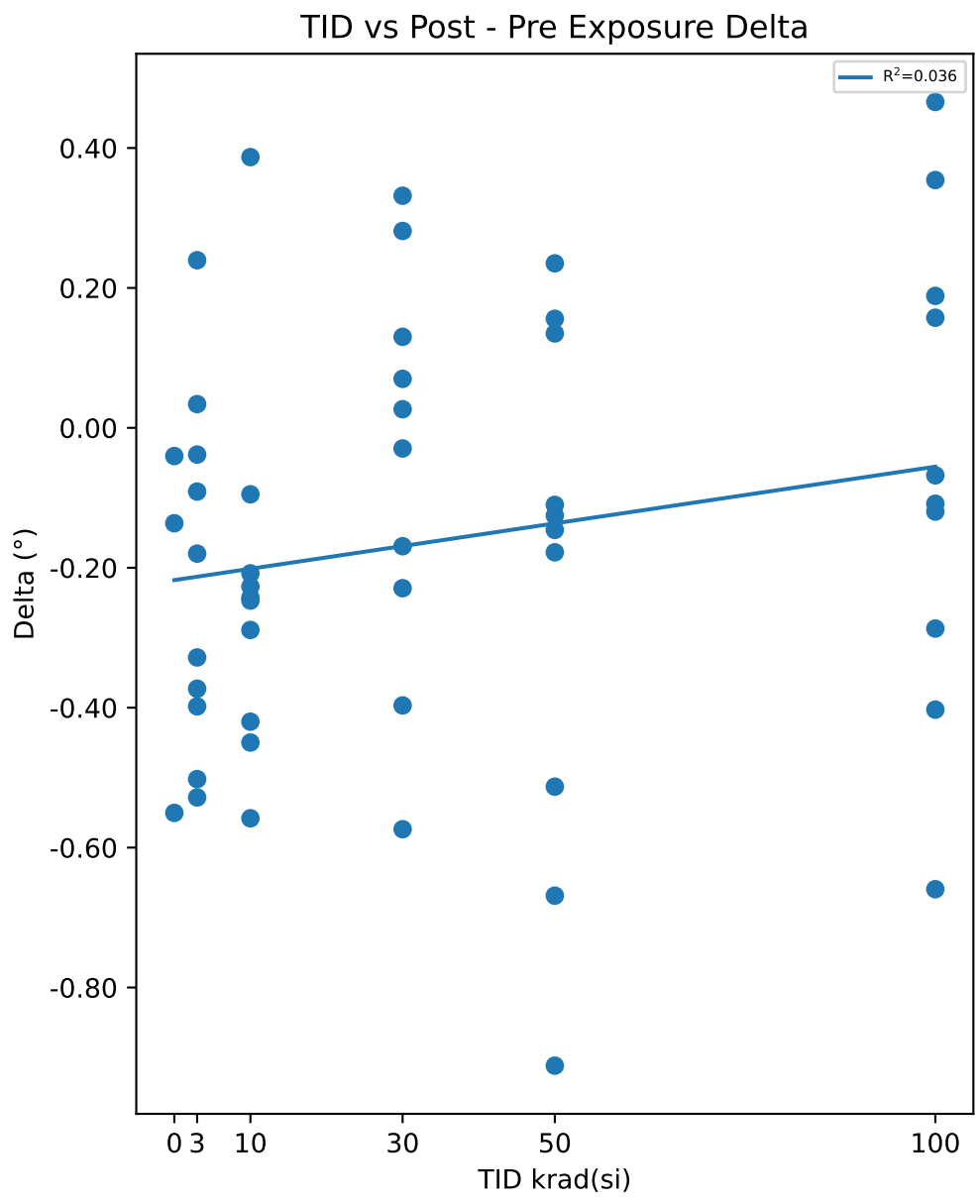
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
390	100	Biased	92.88	97.507	4.6276
392	100	Biased	92.545	96.016	3.4715
393	100	Biased	92.288	94.485	2.1972
394	100	Biased	93.223	98.114	4.8909
395	100	Biased	91.289	92.248	0.9586
412	100	Unbiased	91.424	92.73	1.3059
413	100	Unbiased	91.43	93.086	1.6556
414	100	Unbiased	93.132	96.707	3.5748
415	100	Unbiased	94.598	111.57	16.975
416	100	Unbiased	92.059	93.941	1.8828
417	50	Biased	93.47	96.713	3.2429
418	50	Biased	92.107	94.351	2.244
419	50	Biased	92.185	93.054	0.8693
421	50	Biased	90.728	92.498	1.7704
422	50	Biased	92.727	95.332	2.6049
423	50	Unbiased	91.188	92.558	1.3696
424	50	Unbiased	90.628	92.558	1.9309
425	50	Unbiased	92.184	92.129	-0.0557
426	50	Unbiased	92.383	95.164	2.7811
427	50	Unbiased	92.98	96.774	3.7939
463	0	Corr	93.211	92.333	-0.8778
464	0	Corr	94.602	93.88	-0.722
465	0	Corr	94.314	93.617	-0.6971
466	30	Biased	92.87	95.458	2.5876
469	30	Biased	91.485	92.428	0.9428
470	30	Biased	91.519	91.814	0.2943
472	30	Biased	91.485	92.246	0.7614
474	30	Biased	92.433	93.471	1.0377
475	30	Unbiased	94.993	97.435	2.4421
477	30	Unbiased	93.633	96.279	2.646
478	30	Unbiased	93.544	95.964	2.42
479	30	Unbiased	92.301	93.665	1.364
480	30	Unbiased	92.911	94.665	1.7536
481	10	Biased	92.518	93.67	1.1519
482	10	Biased	92.467	93.7	1.2328
483	10	Biased	89.856	90.786	0.9294
484	10	Biased	91.724	92.749	1.0251
485	10	Biased	93.002	94.232	1.2302
487	10	Unbiased	93.034	94.499	1.4646
488	10	Unbiased	93.163	94.199	1.0361
489	10	Unbiased	92.712	93.907	1.195
490	10	Unbiased	92.585	93.513	0.9272
491	10	Unbiased	91.85	92.892	1.0419
492	3	Biased	92.801	93.587	0.7851
493	3	Biased	92.298	93.148	0.8494
494	3	Biased	92.61	93.898	1.2874
495	3	Biased	90.964	91.91	0.9451
496	3	Biased	92.932	93.639	0.7071
497	3	Unbiased	92.836	93.798	0.9613
498	3	Unbiased	91.476	92.337	0.8615
499	3	Unbiased	93.178	94.323	1.1448
500	3	Unbiased	91.684	92.708	1.0242
502	3	Unbiased	91.414	92.585	1.1708

Test Statistics (ns)

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	93.211	94.042	94.602	0.73418	92.333	93.277	93.88	0.82759	-0.8778	-0.76563	-0.6971	0.097934
3	90.964	92.219	93.178	0.77224	91.91	93.193	94.323	0.78017	0.7071	0.97367	1.2874	0.18401
10	89.856	92.291	93.163	0.97797	90.786	93.415	94.499	1.0793	0.9272	1.1234	1.4646	0.16526
30	91.485	92.717	94.993	1.1299	91.814	94.342	97.435	1.914	0.2943	1.625	2.646	0.86154
50	90.628	92.058	93.47	0.94311	92.129	94.113	96.774	1.7948	-0.0557	2.0551	3.7939	1.1415
100	91.289	92.487	94.598	1.0261	92.248	96.641	111.57	5.6318	0.9586	4.154	16.975	4.7081

Device Test: 24.17 SYNC_PH_SHIFT(TIMING|PHASESHIFT/SYNC1/4.5//511k//@SYNC_PH_SHIFT)





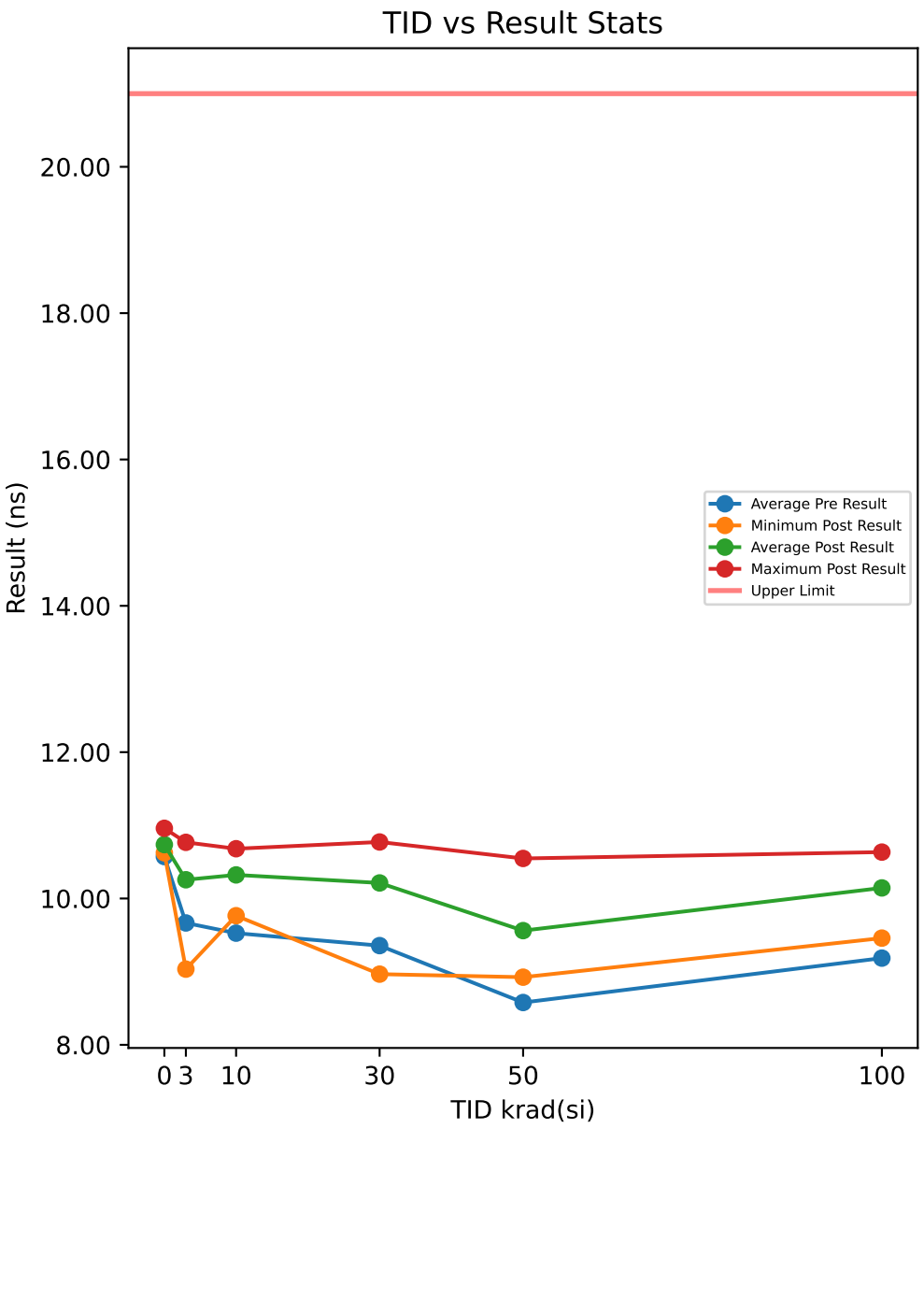
Test Results (Lower Limit = 82.0, Upper Limit = 98.0 (°))

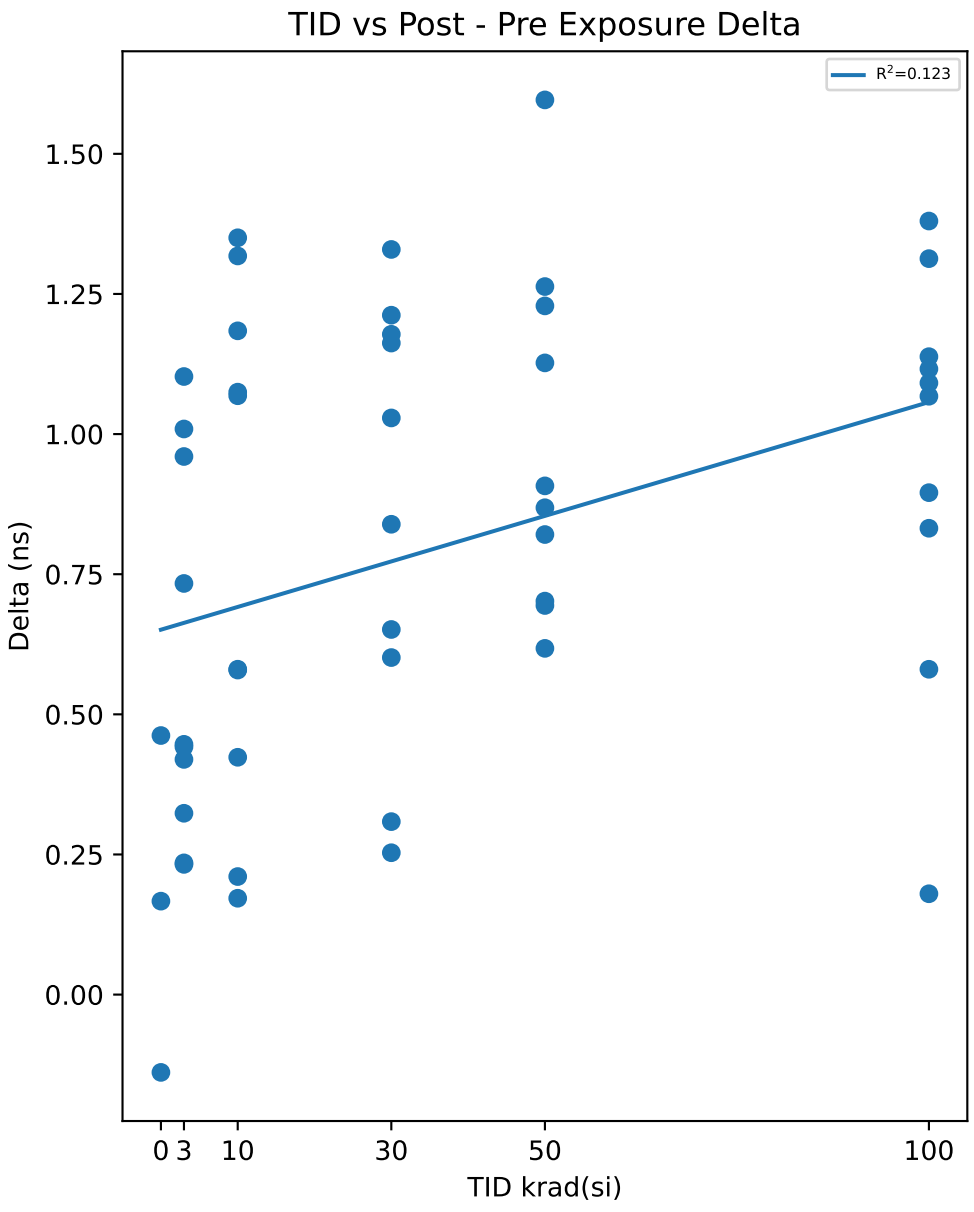
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
390	100	Biased	89.568	89.5	-0.0679
392	100	Biased	89.817	89.698	-0.1197
393	100	Biased	89.29	89.756	0.4658
394	100	Biased	89.756	90.11	0.3542
395	100	Biased	89.739	89.452	-0.2869
412	100	Unbiased	89.961	89.558	-0.4028
413	100	Unbiased	89.572	89.464	-0.1085
414	100	Unbiased	89.688	89.846	0.1574
415	100	Unbiased	89.519	89.707	0.1886
416	100	Unbiased	90.087	89.427	-0.6595
417	50	Biased	89.784	89.659	-0.1254
418	50	Biased	90.459	89.79	-0.6687
419	50	Biased	89.632	89.454	-0.1779
421	50	Biased	89.788	89.678	-0.1101
422	50	Biased	89.808	89.943	0.1349
423	50	Unbiased	89.95	89.437	-0.5129
424	50	Unbiased	90.215	89.303	-0.9117
425	50	Unbiased	89.689	89.925	0.2351
426	50	Unbiased	89.788	89.944	0.1559
427	50	Unbiased	89.676	89.53	-0.1459
463	0	Corr	89.917	89.78	-0.1364
464	0	Corr	90.036	89.486	-0.5504
465	0	Corr	89.726	89.686	-0.0403
466	30	Biased	89.568	89.9	0.3318
469	30	Biased	89.991	90.121	0.1301
470	30	Biased	89.905	89.676	-0.2292
472	30	Biased	89.534	89.816	0.2814
474	30	Biased	90.054	90.025	-0.0295
475	30	Unbiased	90.16	89.586	-0.5737
477	30	Unbiased	89.755	89.782	0.0266
478	30	Unbiased	89.887	89.718	-0.1692
479	30	Unbiased	90.177	89.78	-0.3968
480	30	Unbiased	89.918	89.988	0.07
481	10	Biased	89.847	89.398	-0.4498
482	10	Biased	89.615	90.002	0.387
483	10	Biased	89.803	89.576	-0.2268
484	10	Biased	90.006	89.586	-0.42
485	10	Biased	90.033	89.786	-0.2469
487	10	Unbiased	89.833	89.625	-0.208
488	10	Unbiased	89.69	89.447	-0.2427
489	10	Unbiased	90.25	89.692	-0.5581
490	10	Unbiased	89.668	89.379	-0.2889
491	10	Unbiased	89.813	89.718	-0.095
492	3	Biased	89.742	89.776	0.0339
493	3	Biased	89.625	89.445	-0.1798
494	3	Biased	89.964	89.636	-0.3282
495	3	Biased	89.557	89.796	0.2396
496	3	Biased	89.847	89.449	-0.3981
497	3	Unbiased	89.986	89.895	-0.0911
498	3	Unbiased	89.951	89.578	-0.3729
499	3	Unbiased	89.767	89.729	-0.0382
500	3	Unbiased	90.218	89.689	-0.5283
502	3	Unbiased	89.975	89.473	-0.5021

Test Statistics (°)

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	89.726	89.893	90.036	0.1565	89.486	89.651	89.78	0.1503	-0.5504	-0.24237	-0.0403	0.27106
3	89.557	89.863	90.218	0.1961	89.445	89.647	89.895	0.15774	-0.5283	-0.21652	0.2396	0.25128
10	89.615	89.856	90.25	0.19307	89.379	89.621	90.002	0.19116	-0.5581	-0.23492	0.387	0.25715
30	89.534	89.895	90.177	0.22146	89.586	89.839	90.121	0.16744	-0.5737	-0.05585	0.3318	0.28853
50	89.632	89.879	90.459	0.2632	89.303	89.666	89.944	0.23188	-0.9117	-0.21267	0.2351	0.37531
100	89.29	89.7	90.087	0.22879	89.427	89.652	90.11	0.21637	-0.6595	-0.04793	0.4658	0.34801

Device Test: 24.18 SYNC_LH_RISE_TIME(TIMING|RISE/SYNC1/4.5//511k//@SYNC_LH_RISE_TIME)





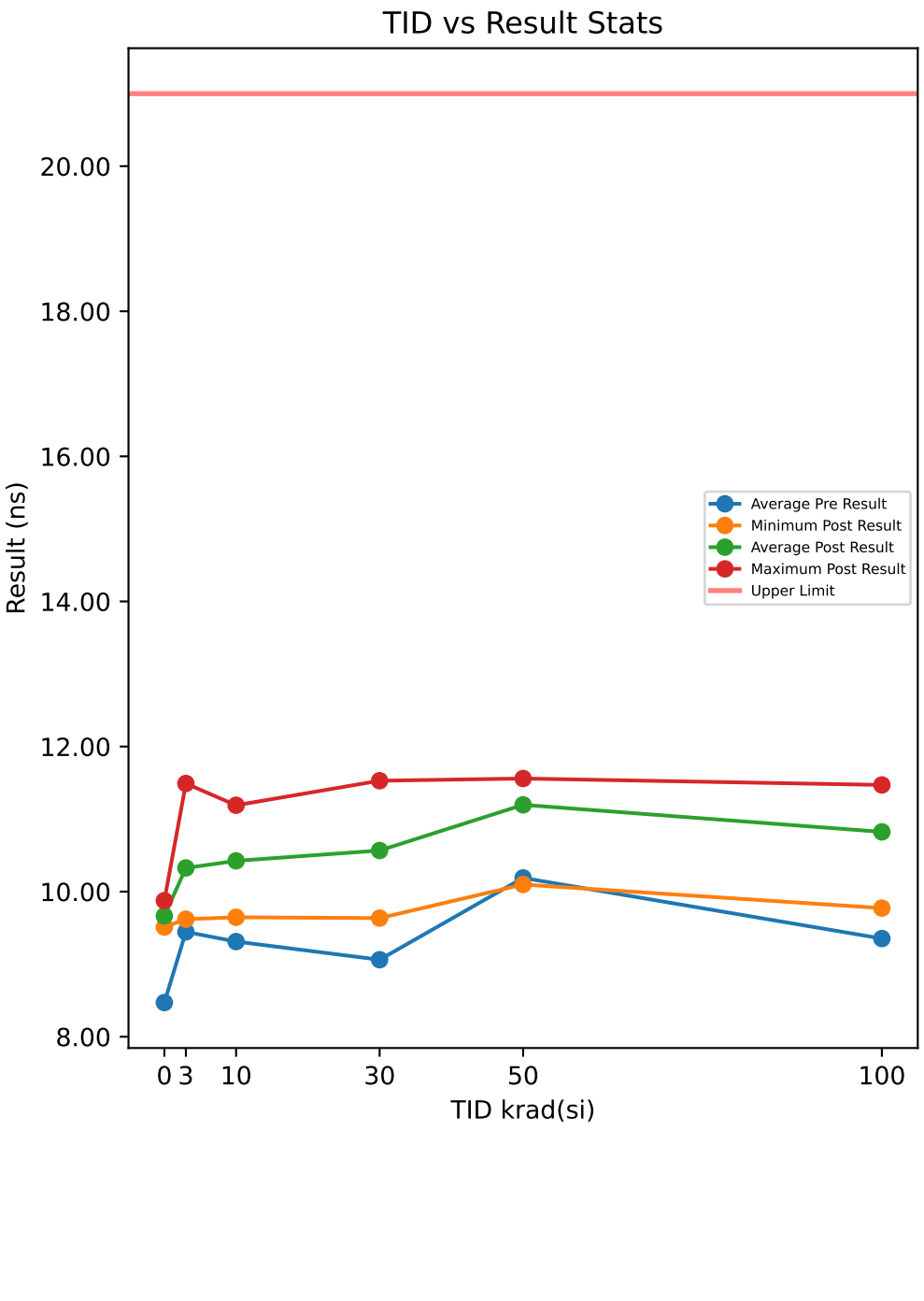
Test Results (Upper Limit = 21.0 (ns))

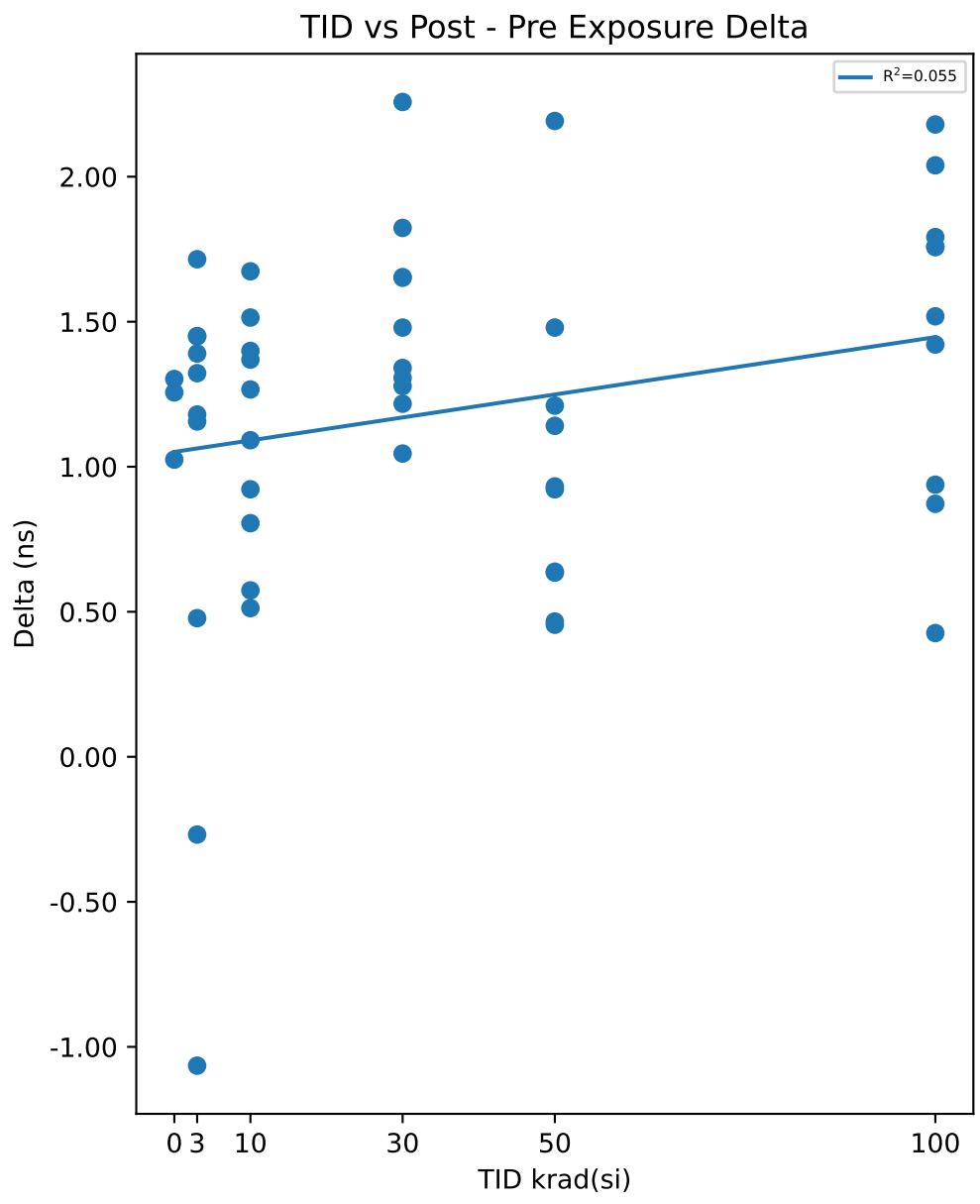
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
390	100	Biased	10.454	10.634	0.1799
392	100	Biased	9.0952	10.408	1.313
393	100	Biased	9.0728	10.14	1.0675
394	100	Biased	9.3431	10.434	1.0912
395	100	Biased	8.3422	9.4584	1.1162
412	100	Unbiased	9.6019	10.497	0.8955
413	100	Unbiased	9.7139	10.546	0.832
414	100	Unbiased	8.6209	9.759	1.1381
415	100	Unbiased	8.187	9.5671	1.3801
416	100	Unbiased	9.4184	9.9988	0.5804
417	50	Biased	8.2864	9.155	0.8686
418	50	Biased	8.2225	8.9245	0.702
419	50	Biased	8.3456	9.6088	1.2632
421	50	Biased	8.2347	9.1423	0.9076
422	50	Biased	9.9295	10.547	0.6177
423	50	Unbiased	9.0053	9.8261	0.8208
424	50	Unbiased	8.7198	10.316	1.5962
425	50	Unbiased	8.2688	8.963	0.6942
426	50	Unbiased	8.4696	9.6983	1.2287
427	50	Unbiased	8.3006	9.4276	1.127
463	0	Corr	10.458	10.624	0.1667
464	0	Corr	10.163	10.625	0.4622
465	0	Corr	11.098	10.959	-0.1388
466	30	Biased	8.3147	8.9661	0.6514
469	30	Biased	10.51	10.764	0.2531
470	30	Biased	9.3159	10.478	1.1624
472	30	Biased	8.7649	10.094	1.3294
474	30	Biased	8.6236	9.8357	1.2121
475	30	Unbiased	9.4294	10.268	0.8391
477	30	Unbiased	9.2408	9.8421	0.6013
478	30	Unbiased	9.5791	10.757	1.178
479	30	Unbiased	10.464	10.772	0.3086
480	30	Unbiased	9.3179	10.347	1.0288
481	10	Biased	8.8903	10.075	1.1842
482	10	Biased	10.437	10.647	0.2106
483	10	Biased	8.447	9.7648	1.3178
484	10	Biased	10.257	10.68	0.4234
485	10	Biased	9.1314	10.206	1.0748
487	10	Unbiased	9.8974	10.478	0.5805
488	10	Unbiased	9.8835	10.463	0.579
489	10	Unbiased	9.1807	10.249	1.0684
490	10	Unbiased	8.8069	10.157	1.3502
491	10	Unbiased	10.332	10.504	0.1719
492	3	Biased	8.9882	10.091	1.1027
493	3	Biased	10.084	10.526	0.442
494	3	Biased	10.416	10.651	0.235
495	3	Biased	8.6242	9.6333	1.0091
496	3	Biased	10.293	10.616	0.3235
497	3	Unbiased	10.244	10.691	0.4465
498	3	Unbiased	9.1108	10.071	0.96
499	3	Unbiased	10.058	10.478	0.4196
500	3	Unbiased	8.3009	9.0344	0.7335
502	3	Unbiased	10.535	10.768	0.2323

Test Statistics (ns)

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	10.163	10.573	11.098	0.478	10.624	10.736	10.959	0.19307	-0.1388	0.16337	0.4622	0.30051
3	8.3009	9.6656	10.535	0.82273	9.0344	10.256	10.768	0.55789	0.2323	0.59042	1.1027	0.33209
10	8.447	9.5262	10.437	0.71794	9.7648	10.322	10.68	0.28458	0.1719	0.79608	1.3502	0.45297
30	8.3147	9.356	10.51	0.715	8.9661	10.212	10.772	0.56292	0.2531	0.85642	1.3294	0.38708
50	8.2225	8.5783	9.9295	0.53716	8.9245	9.5609	10.547	0.55324	0.6177	0.9826	1.5962	0.31208
100	8.187	9.1849	10.454	0.68222	9.4584	10.144	10.634	0.42853	0.1799	0.95939	1.3801	0.35888

Device Test: 24.19 SYNC_LH_RISE_TIME(TIMING|RISE/SYNC2/4.5//511k//@SYNC_LH_RISE_TIME)





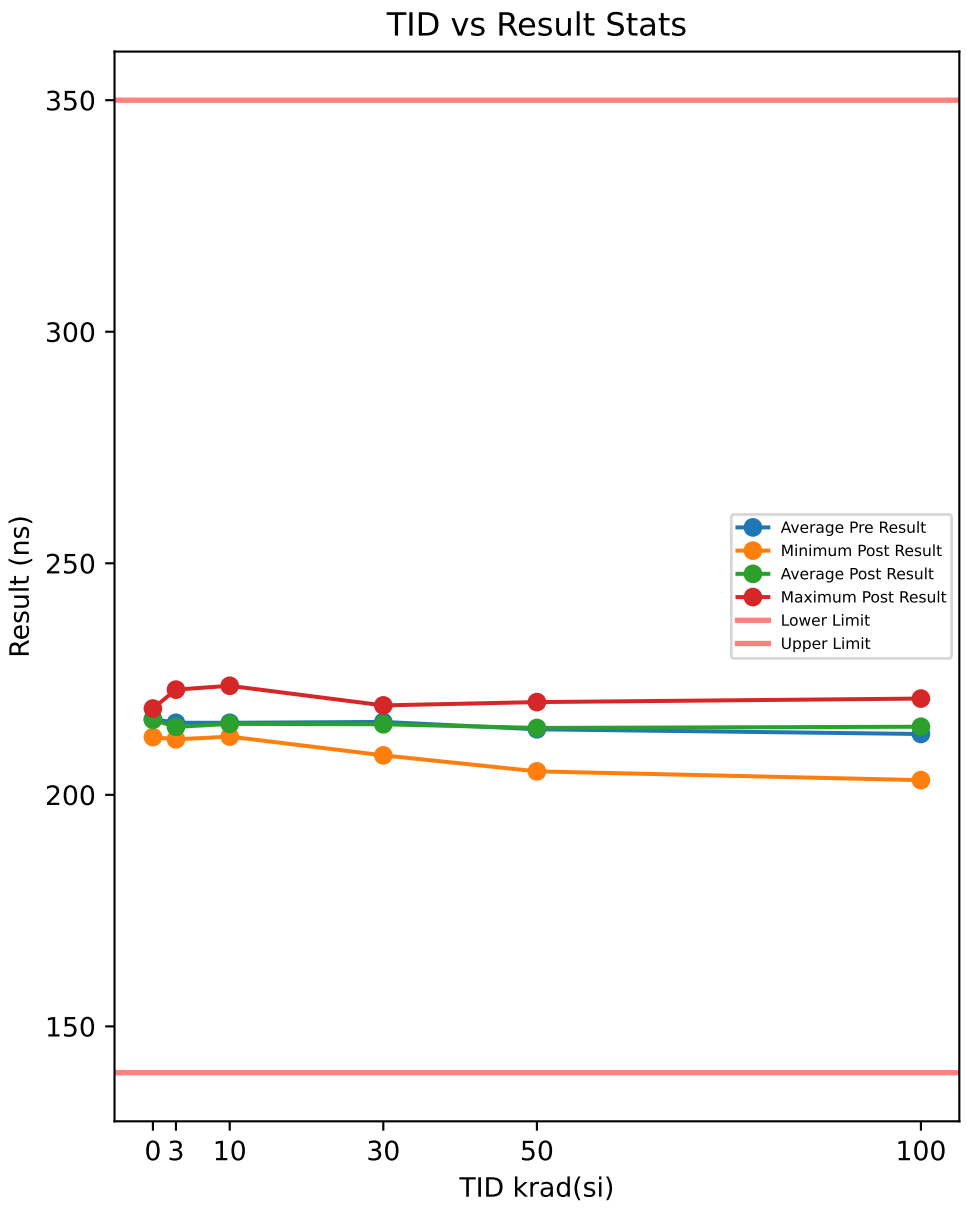
Test Results (Upper Limit = 21.0 (ns))

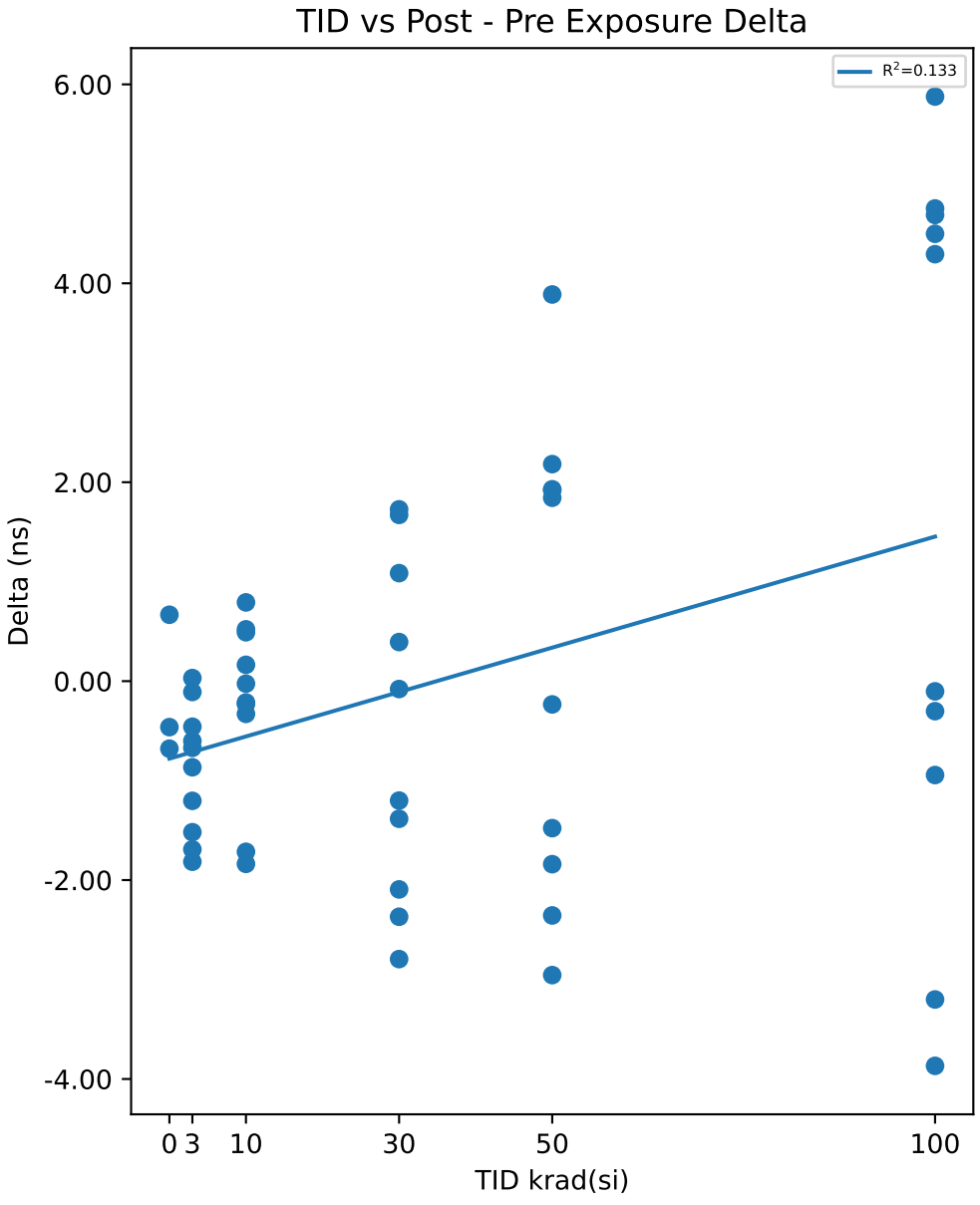
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
390	100	Biased	8.3513	9.7726	1.4213
392	100	Biased	9.1005	10.619	1.5186
393	100	Biased	9.386	11.146	1.7599
394	100	Biased	8.9046	10.696	1.7918
395	100	Biased	10.327	11.199	0.8722
412	100	Unbiased	8.7869	10.544	1.7569
413	100	Unbiased	8.5327	10.572	2.0392
414	100	Unbiased	10.213	11.151	0.9381
415	100	Unbiased	11.044	11.47	0.4265
416	100	Unbiased	8.8851	11.065	2.18
417	50	Biased	10.528	11.461	0.9321
418	50	Biased	11.104	11.559	0.4553
419	50	Biased	10.421	11.056	0.6349
421	50	Biased	10.868	11.507	0.6382
422	50	Biased	8.6182	10.098	1.4798
423	50	Unbiased	9.1449	11.337	2.1921
424	50	Unbiased	9.8645	11.006	1.1411
425	50	Unbiased	10.95	11.416	0.4664
426	50	Unbiased	10.052	11.263	1.2107
427	50	Unbiased	10.34	11.262	0.9223
463	0	Corr	8.3515	9.6077	1.2562
464	0	Corr	8.8509	9.8756	1.0247
465	0	Corr	8.2093	9.5118	1.3025
466	30	Biased	10.483	11.529	1.0455
469	30	Biased	8.3284	9.6348	1.3064
470	30	Biased	8.8914	10.543	1.6515
472	30	Biased	9.2661	10.746	1.4798
474	30	Biased	9.9062	11.184	1.2781
475	30	Unbiased	8.7821	10.606	1.8234
477	30	Unbiased	8.9738	11.231	2.2576
478	30	Unbiased	8.7114	9.9287	1.2173
479	30	Unbiased	8.3964	9.737	1.3406
480	30	Unbiased	8.8734	10.527	1.6538
481	10	Biased	9.5588	10.928	1.3693
482	10	Biased	8.3797	9.6462	1.2665
483	10	Biased	10.268	11.19	0.9223
484	10	Biased	8.4663	9.8656	1.3993
485	10	Biased	9.3176	10.832	1.5144
487	10	Unbiased	9.364	10.169	0.8054
488	10	Unbiased	9.5535	10.066	0.5126
489	10	Unbiased	9.6143	10.706	1.0915
490	10	Unbiased	10.358	10.932	0.5738
491	10	Unbiased	8.2324	9.9061	1.6737
492	3	Biased	9.4691	10.625	1.1561
493	3	Biased	8.7261	10.049	1.3226
494	3	Biased	8.1695	9.6196	1.4501
495	3	Biased	11.401	11.133	-0.2681
496	3	Biased	8.5344	9.7144	1.18
497	3	Unbiased	8.4663	9.8567	1.3904
498	3	Unbiased	10.396	10.874	0.478
499	3	Unbiased	8.8156	10.266	1.4502
500	3	Unbiased	12.555	11.49	-1.0648
502	3	Unbiased	7.919	9.6344	1.7154

Test Statistics (ns)

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	8.2093	8.4706	8.8509	0.33696	9.5118	9.665	9.8756	0.18855	1.0247	1.1945	1.3025	0.14883
3	7.919	9.4451	12.555	1.5296	9.6196	10.326	11.49	0.67065	-1.0648	0.88099	1.7154	0.89645
10	8.2324	9.3113	10.358	0.74323	9.6462	10.424	11.19	0.55006	0.5126	1.1129	1.6737	0.39852
30	8.3284	9.0612	10.483	0.66908	9.6348	10.567	11.529	0.64535	1.0455	1.5054	2.2576	0.35338
50	8.6182	10.189	11.104	0.79934	10.098	11.196	11.559	0.42647	0.4553	1.0073	2.1921	0.53451
100	8.3513	9.3531	11.044	0.88374	9.7726	10.824	11.47	0.48684	0.4265	1.4705	2.18	0.56094

Device Test: 24.2 SYNC1_SW_DELAY_4V(TIMING|DELAY/SYNC1/4.5//OPEN//@SYNC1_SW_DELAY_4V)





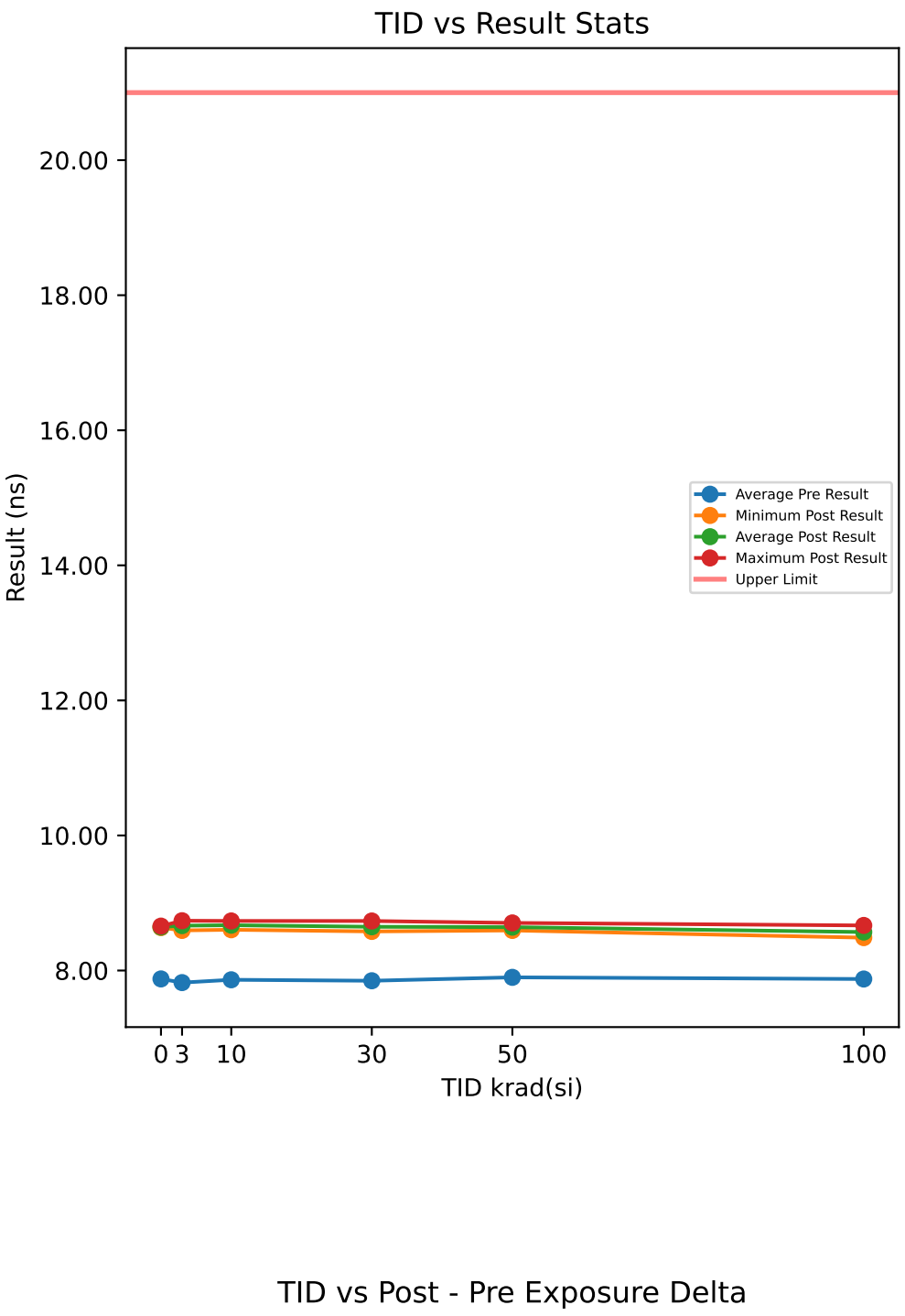
Test Results (Lower Limit = 140.0, Upper Limit = 350.0 (ns))

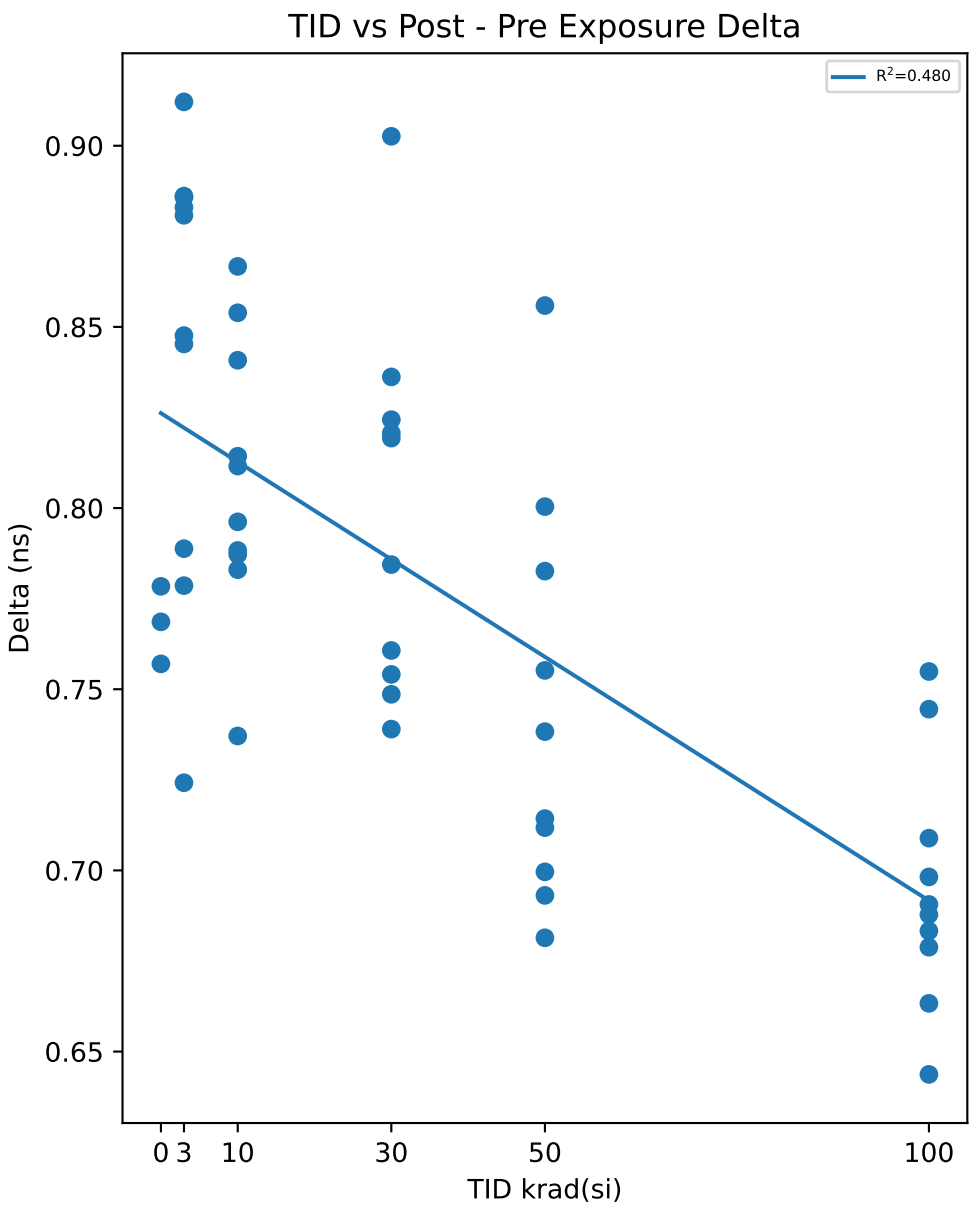
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
390	100	Biased	210.86	210.56	-0.3019
392	100	Biased	212.97	217.73	4.7522
393	100	Biased	208.65	213.34	4.6869
394	100	Biased	211.53	215.82	4.2926
395	100	Biased	215.57	220.06	4.4975
412	100	Unbiased	215.7	214.76	-0.9441
413	100	Unbiased	206.37	203.17	-3.2005
414	100	Unbiased	217.71	217.61	-0.1027
415	100	Unbiased	214.91	220.79	5.8772
416	100	Unbiased	217.11	213.24	-3.8679
417	50	Biased	215.1	216.94	1.8437
418	50	Biased	217.85	220.03	2.1819
419	50	Biased	211.07	212.99	1.9196
421	50	Biased	212.98	214.91	1.929
422	50	Biased	215.48	219.37	3.8876
423	50	Unbiased	216.97	214.62	-2.3556
424	50	Unbiased	211.88	211.64	-0.234
425	50	Unbiased	218.28	215.32	-2.9555
426	50	Unbiased	215.05	213.57	-1.4779
427	50	Unbiased	206.91	205.07	-1.8403
463	0	Corr	212.94	212.48	-0.4624
464	0	Corr	216.84	217.51	0.6675
465	0	Corr	219.32	218.64	-0.679
466	30	Biased	218.92	219.32	0.3931
469	30	Biased	208.61	208.53	-0.0793
470	30	Biased	214.38	216.11	1.7272
472	30	Biased	215.69	216.78	1.0859
474	30	Biased	217.09	218.76	1.6714
475	30	Unbiased	217.65	216.45	-1.201
477	30	Unbiased	221.99	219.19	-2.7945
478	30	Unbiased	212.49	210.4	-2.094
479	30	Unbiased	214.23	211.87	-2.3688
480	30	Unbiased	216.35	214.96	-1.3838
481	10	Biased	217.21	217.74	0.5209
482	10	Biased	215.91	215.58	-0.3291
483	10	Biased	213.11	213.08	-0.0254
484	10	Biased	215.31	215.08	-0.2302
485	10	Biased	212.65	213.44	0.7916
487	10	Unbiased	215.7	213.86	-1.8371
488	10	Unbiased	214.81	214.6	-0.2145
489	10	Unbiased	214.29	212.57	-1.7159
490	10	Unbiased	223.38	223.55	0.1642
491	10	Unbiased	213.24	213.73	0.4915
492	3	Biased	215.08	214.97	-0.109
493	3	Biased	213.46	212.26	-1.2035
494	3	Biased	212.43	211.97	-0.4582
495	3	Biased	212.63	212.03	-0.6009
496	3	Biased	216.33	215.66	-0.6708
497	3	Unbiased	216.66	215.14	-1.5188
498	3	Unbiased	213.58	213.62	0.031
499	3	Unbiased	223.58	222.72	-0.866
500	3	Unbiased	217.65	215.96	-1.6916
502	3	Unbiased	214.21	212.39	-1.8157

Test Statistics (ns)

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	212.94	216.37	219.32	3.2159	212.48	216.21	218.64	3.2807	-0.679	-0.15797	0.6675	0.72303
3	212.43	215.56	223.58	3.3211	211.97	214.67	222.72	3.2327	-1.8157	-0.89035	0.031	0.64722
10	212.65	215.56	223.38	3.0947	212.57	215.32	223.55	3.2478	-1.8371	-0.2384	0.7916	0.88978
30	208.61	215.74	221.99	3.6589	208.53	215.24	219.32	3.7877	-2.7945	-0.50438	1.7272	1.691
50	206.91	214.16	218.28	3.5038	205.07	214.45	220.03	4.232	-2.9555	0.28985	3.8876	2.3511
100	206.37	213.14	217.71	3.7417	203.17	214.71	220.79	5.1511	-3.8679	1.5689	5.8772	3.6412

Device Test: 24.20 SYNC_HL_FALL_TIME(TIMING|FALL/SYNC1/4.5//511k//@SYNC_HL_FALL_TIME)





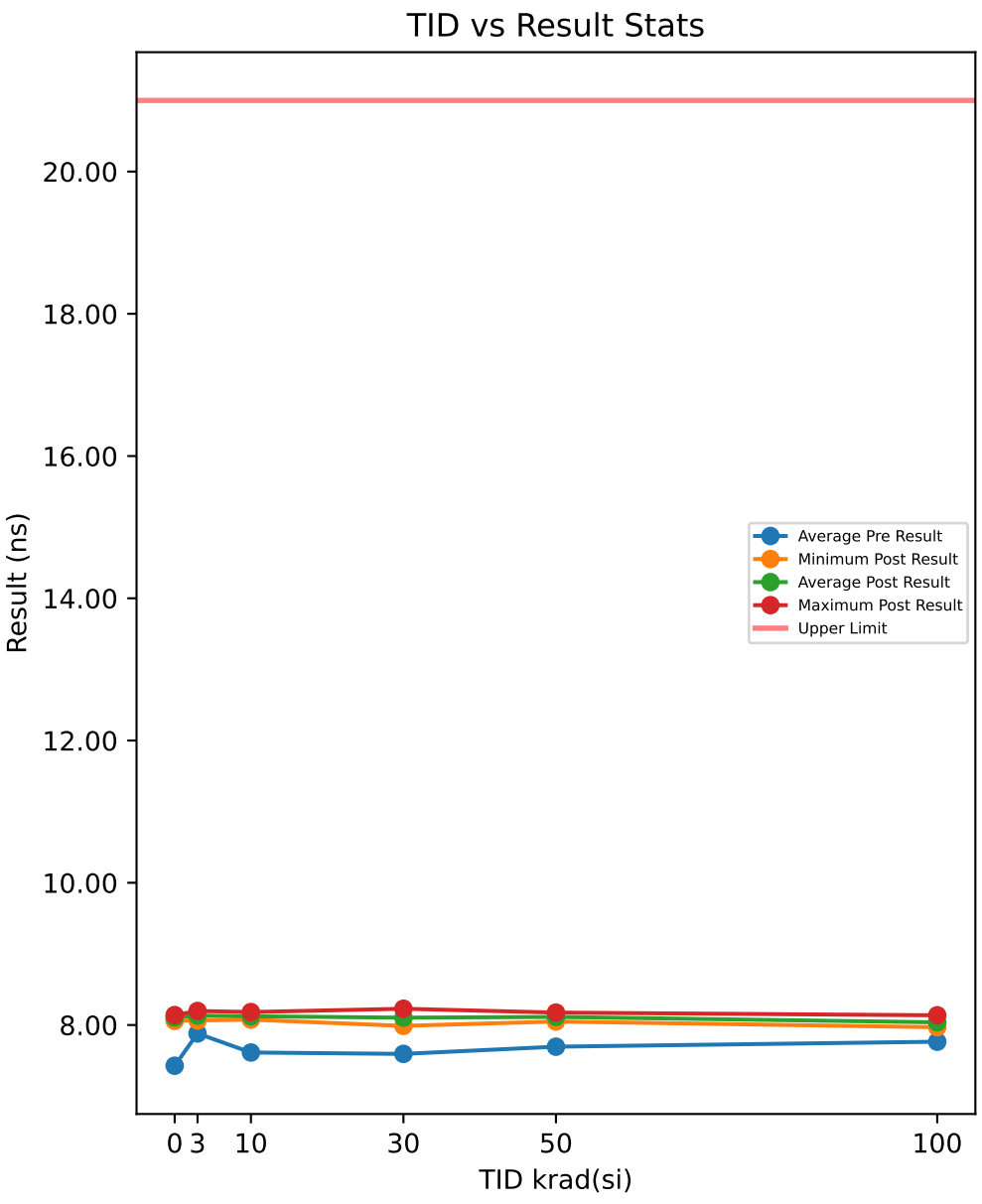
Test Results (Upper Limit = 21.0 (ns))

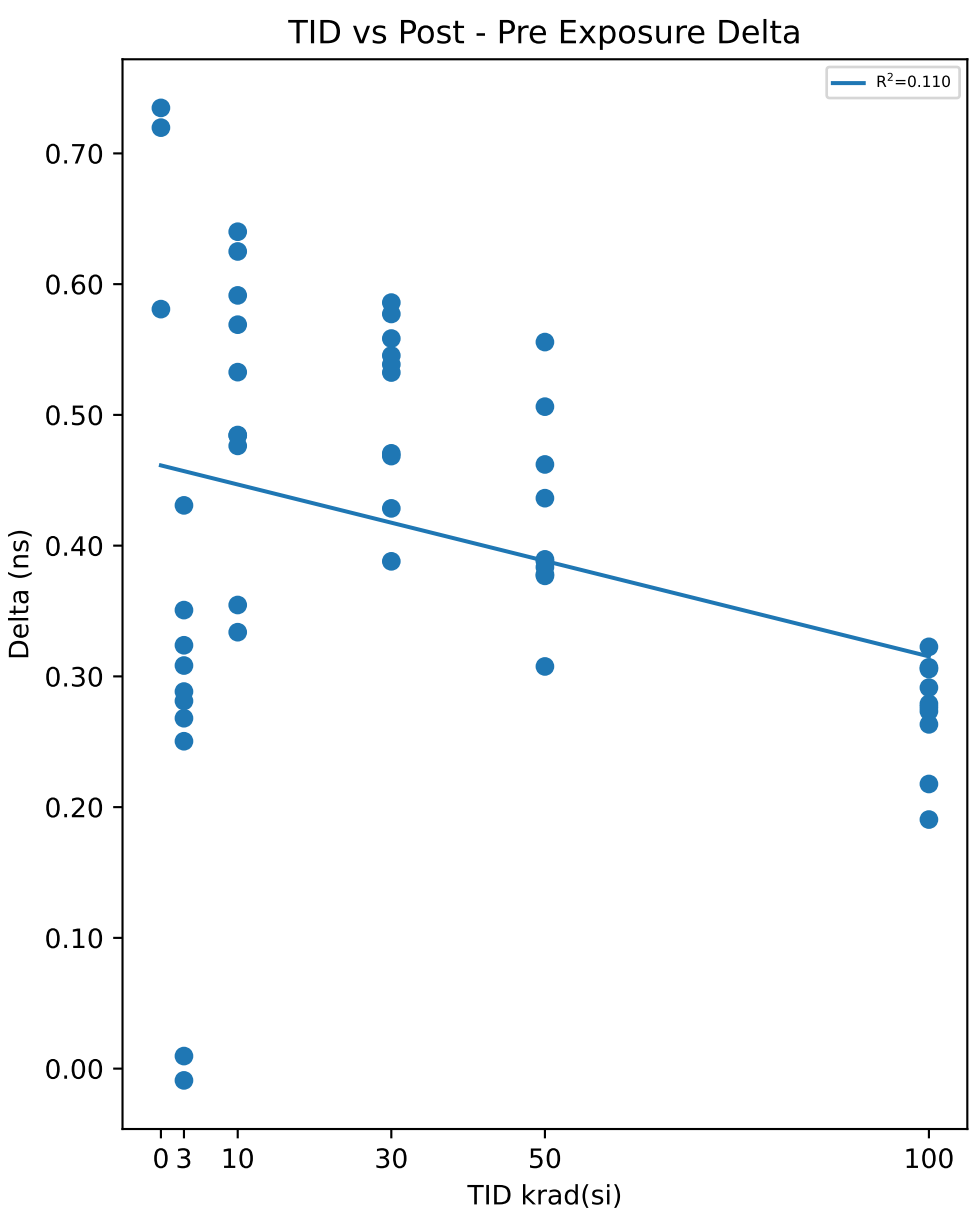
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
390	100	Biased	7.8848	8.5937	0.7089
392	100	Biased	7.9127	8.6676	0.7549
393	100	Biased	7.8589	8.6034	0.7445
394	100	Biased	7.9418	8.6324	0.6906
395	100	Biased	7.8782	8.5764	0.6982
412	100	Unbiased	7.843	8.4867	0.6437
413	100	Unbiased	7.8628	8.5506	0.6878
414	100	Unbiased	7.8399	8.5232	0.6833
415	100	Unbiased	7.862	8.5253	0.6633
416	100	Unbiased	7.8583	8.5371	0.6788
417	50	Biased	7.9	8.6118	0.7118
418	50	Biased	7.844	8.6999	0.8559
419	50	Biased	7.9171	8.6102	0.6931
421	50	Biased	7.9043	8.7047	0.8004
422	50	Biased	7.9256	8.6639	0.7383
423	50	Unbiased	7.8597	8.6423	0.7826
424	50	Unbiased	7.9512	8.6655	0.7143
425	50	Unbiased	7.8948	8.5944	0.6996
426	50	Unbiased	7.9523	8.6337	0.6814
427	50	Unbiased	7.8384	8.5936	0.7552
463	0	Corr	7.867	8.6356	0.7686
464	0	Corr	7.8589	8.6373	0.7784
465	0	Corr	7.9006	8.6576	0.757
466	30	Biased	7.9002	8.6846	0.7844
469	30	Biased	7.7556	8.58	0.8244
470	30	Biased	7.8175	8.7201	0.9026
472	30	Biased	7.8377	8.6739	0.8362
474	30	Biased	7.9141	8.7334	0.8193
475	30	Unbiased	7.8877	8.6363	0.7486
477	30	Unbiased	7.8639	8.6029	0.739
478	30	Unbiased	7.8252	8.5859	0.7607
479	30	Unbiased	7.8576	8.6783	0.8207
480	30	Unbiased	7.8247	8.5788	0.7541
481	10	Biased	7.8753	8.6583	0.783
482	10	Biased	7.892	8.7063	0.8143
483	10	Biased	7.8785	8.6747	0.7962
484	10	Biased	7.889	8.6261	0.7371
485	10	Biased	7.8496	8.6379	0.7883
487	10	Unbiased	7.8673	8.6789	0.8116
488	10	Unbiased	7.8506	8.7045	0.8539
489	10	Unbiased	7.7629	8.6037	0.8408
490	10	Unbiased	7.8674	8.7341	0.8667
491	10	Unbiased	7.8943	8.6815	0.7872
492	3	Biased	7.7772	8.658	0.8808
493	3	Biased	7.8289	8.6742	0.8453
494	3	Biased	7.805	8.5938	0.7888
495	3	Biased	7.8088	8.6949	0.8861
496	3	Biased	7.8514	8.7372	0.8858
497	3	Unbiased	7.8019	8.714	0.9121
498	3	Unbiased	7.825	8.6726	0.8476
499	3	Unbiased	7.8232	8.6018	0.7786
500	3	Unbiased	7.8023	8.6853	0.883
502	3	Unbiased	7.8866	8.6108	0.7242

Test Statistics (ns)

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	7.8589	7.8755	7.9006	0.022111	8.6356	8.6435	8.6576	0.012241	0.757	0.768	0.7784	0.010713
3	7.7772	7.821	7.8866	0.030457	8.5938	8.6643	8.7372	0.048428	0.7242	0.84323	0.9121	0.060293
10	7.7629	7.8627	7.8943	0.038411	8.6037	8.6706	8.7341	0.039912	0.7371	0.80791	0.8667	0.038431
30	7.7556	7.8484	7.9141	0.046726	8.5788	8.6474	8.7334	0.058554	0.739	0.799	0.9026	0.051079
50	7.8384	7.8987	7.9523	0.040673	8.5936	8.642	8.7047	0.040711	0.6814	0.74326	0.8559	0.055523
100	7.8399	7.8742	7.9418	0.031791	8.4867	8.5696	8.6676	0.0555	0.6437	0.6954	0.7549	0.033907

Device Test: 24.21 SYNC_HL_FALL_TIME(TIMING|FALL/SYNC2/4.5//511k//@SYNC_HL_FALL_TIME)





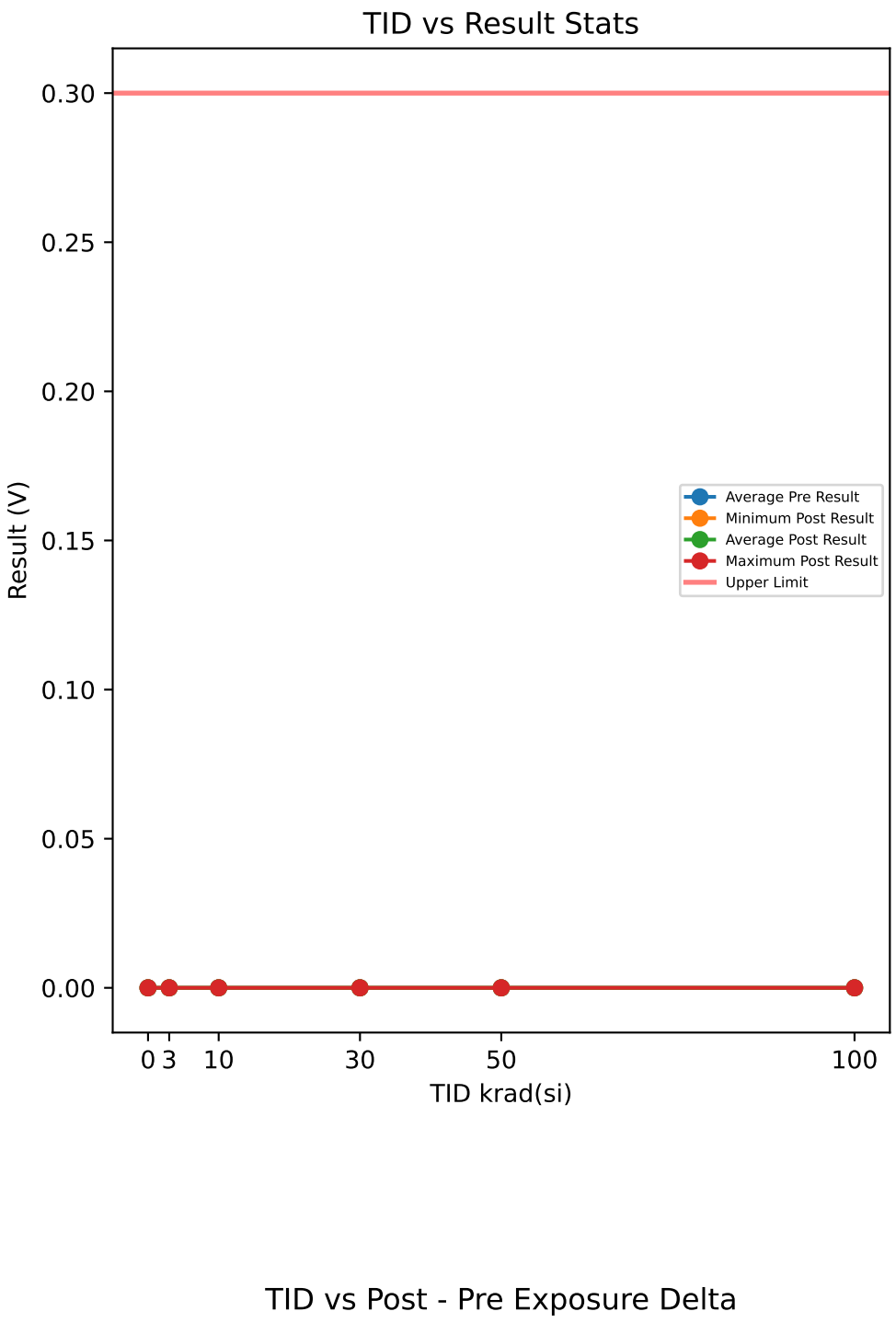
Test Results (Upper Limit = 21.0 (ns))

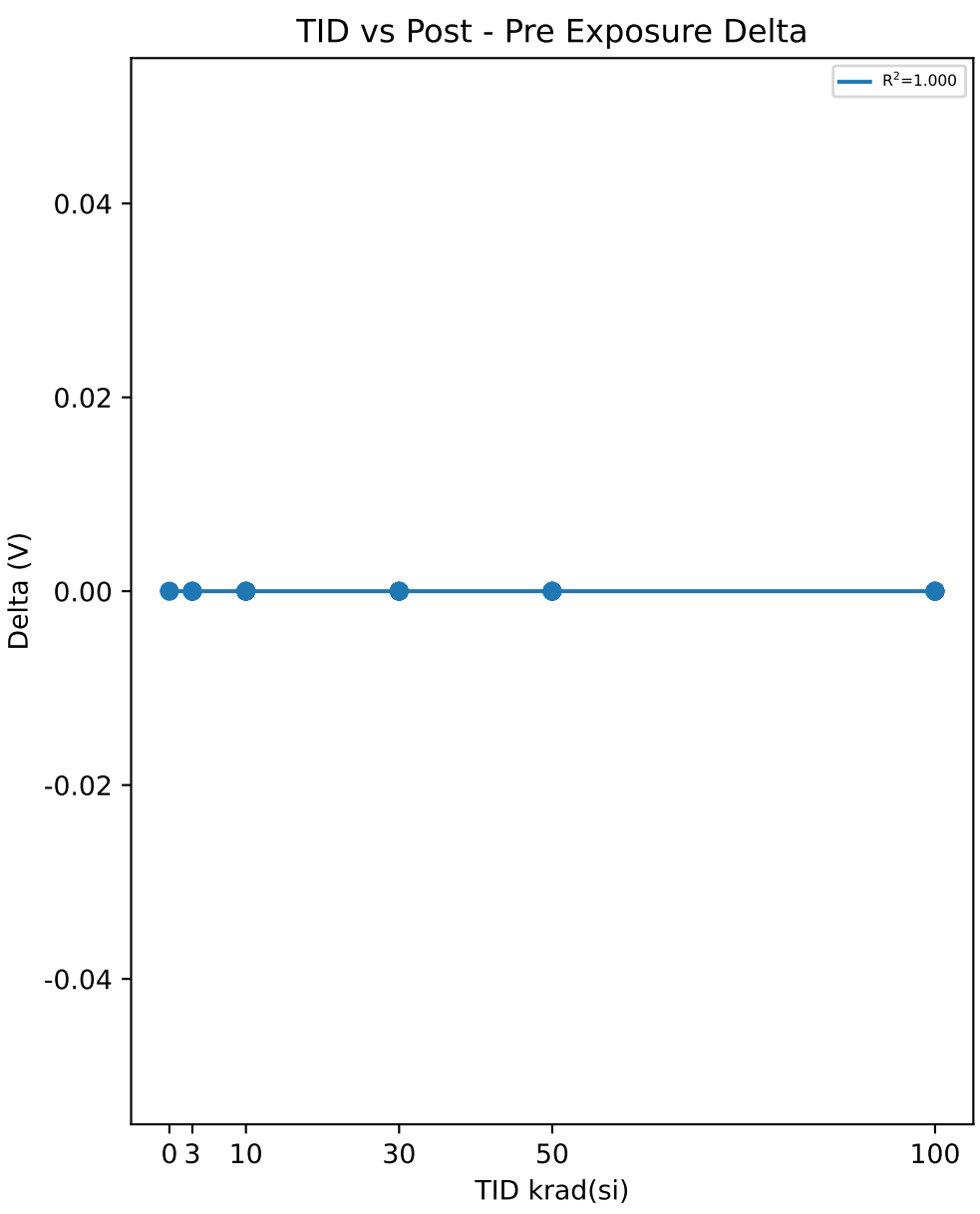
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
390	100	Biased	7.7672	8.0586	0.2914
392	100	Biased	7.8309	8.1365	0.3056
393	100	Biased	7.7521	8.0285	0.2764
394	100	Biased	7.7955	8.1024	0.3069
395	100	Biased	7.7304	8.053	0.3226
412	100	Unbiased	7.6957	7.9691	0.2734
413	100	Unbiased	7.7674	8.0464	0.279
414	100	Unbiased	7.7939	7.9844	0.1905
415	100	Unbiased	7.7808	7.9985	0.2177
416	100	Unbiased	7.7378	8.0011	0.2633
417	50	Biased	7.7611	8.1493	0.3882
418	50	Biased	7.681	8.0705	0.3895
419	50	Biased	7.7205	8.0974	0.3769
421	50	Biased	7.7306	8.1669	0.4363
422	50	Biased	7.7415	8.0491	0.3076
423	50	Unbiased	7.7249	8.1029	0.378
424	50	Unbiased	7.7282	8.1117	0.3835
425	50	Unbiased	7.6189	8.1746	0.5557
426	50	Unbiased	7.6459	8.1522	0.5063
427	50	Unbiased	7.5992	8.0613	0.4621
463	0	Corr	7.5387	8.1196	0.5809
464	0	Corr	7.3389	8.0586	0.7197
465	0	Corr	7.4048	8.1396	0.7348
466	30	Biased	7.6206	8.0891	0.4685
469	30	Biased	7.6225	8.051	0.4285
470	30	Biased	7.6161	8.0867	0.4706
472	30	Biased	7.6069	8.1523	0.5454
474	30	Biased	7.6427	8.2286	0.5859
475	30	Unbiased	7.5961	8.1285	0.5324
477	30	Unbiased	7.5667	8.1053	0.5386
478	30	Unbiased	7.4873	8.0645	0.5772
479	30	Unbiased	7.5999	7.9879	0.388
480	30	Unbiased	7.5802	8.1386	0.5584
481	10	Biased	7.5426	8.0753	0.5327
482	10	Biased	7.5041	8.1291	0.625
483	10	Biased	7.6066	8.0908	0.4842
484	10	Biased	7.6419	8.1265	0.4846
485	10	Biased	7.7686	8.1232	0.3546
487	10	Unbiased	7.5034	8.1435	0.6401
488	10	Unbiased	7.5561	8.1475	0.5914
489	10	Unbiased	7.5084	8.0774	0.569
490	10	Unbiased	7.7058	8.1821	0.4763
491	10	Unbiased	7.796	8.1298	0.3338
492	3	Biased	7.8632	8.1136	0.2504
493	3	Biased	7.8685	8.1365	0.268
494	3	Biased	7.8225	8.1037	0.2812
495	3	Biased	7.8731	8.1969	0.3238
496	3	Biased	7.8813	8.1697	0.2884
497	3	Unbiased	7.7268	8.1576	0.4308
498	3	Unbiased	7.7642	8.1149	0.3507
499	3	Unbiased	8.1427	8.1337	-0.009
500	3	Unbiased	7.8178	8.1261	0.3083
502	3	Unbiased	8.0546	8.0642	0.0096

Test Statistics (ns)

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	7.3389	7.4275	7.5387	0.10181	8.0586	8.1059	8.1396	0.042194	0.5809	0.67847	0.7348	0.084832
3	7.7268	7.8815	8.1427	0.12649	8.0642	8.1317	8.1969	0.03708	-0.009	0.25022	0.4308	0.14115
10	7.5034	7.6133	7.796	0.11065	8.0753	8.1225	8.1821	0.03333	0.3338	0.50917	0.6401	0.10457
30	7.4873	7.5939	7.6427	0.043341	7.9879	8.1032	8.2286	0.064997	0.388	0.50935	0.5859	0.066657
50	7.5992	7.6952	7.7611	0.055798	8.0491	8.1136	8.1746	0.045289	0.3076	0.41841	0.5557	0.072575
100	7.6957	7.7652	7.8309	0.038404	7.9691	8.0379	8.1365	0.052917	0.1905	0.27268	0.3226	0.040846

Device Test: 24.22 SYNC_OUT_HIGH(LEVELS|VOH/SYNC1/4.5//511k//@SYNC_OUT_HIGH)





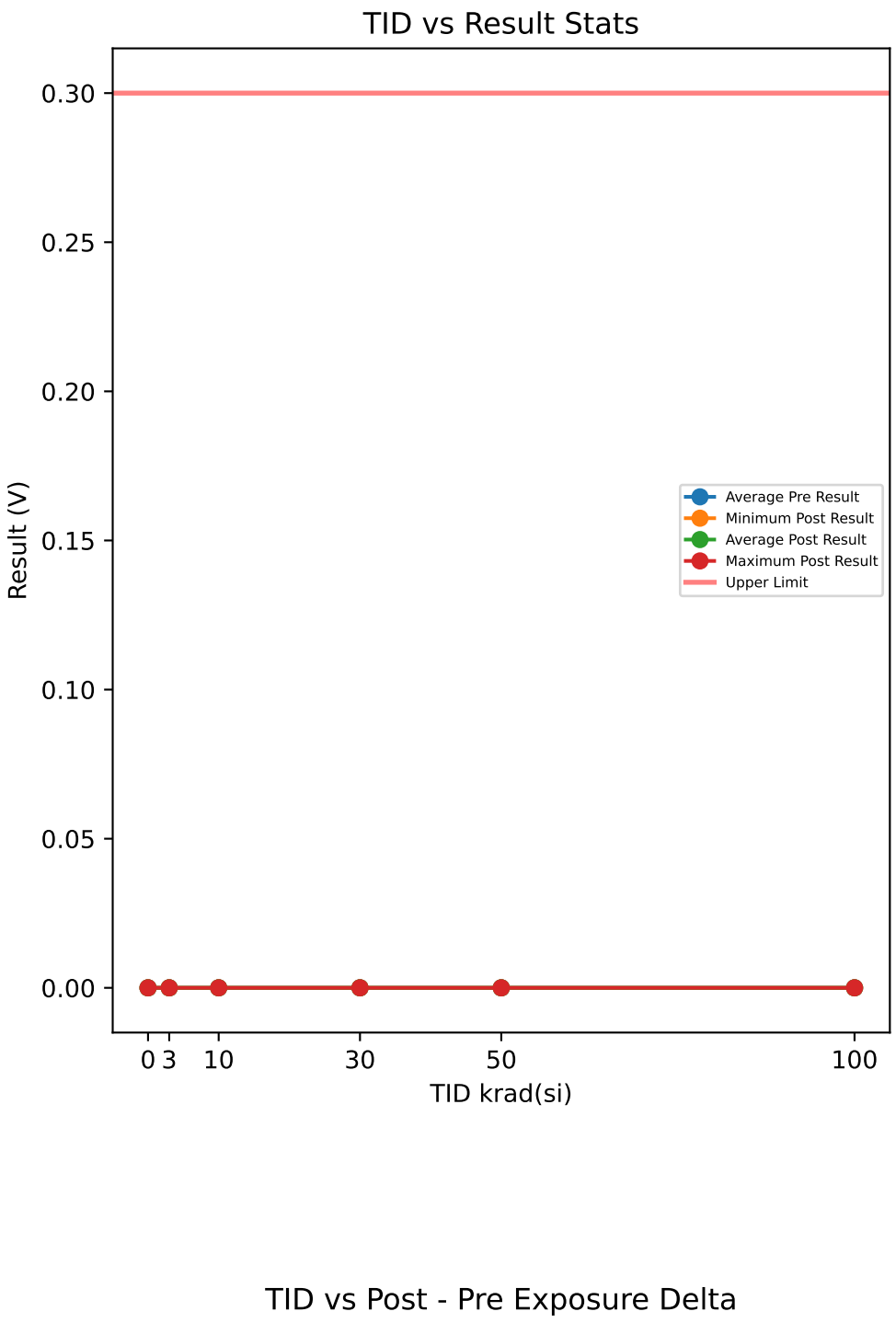
Test Results (Upper Limit = 0.3 (V))

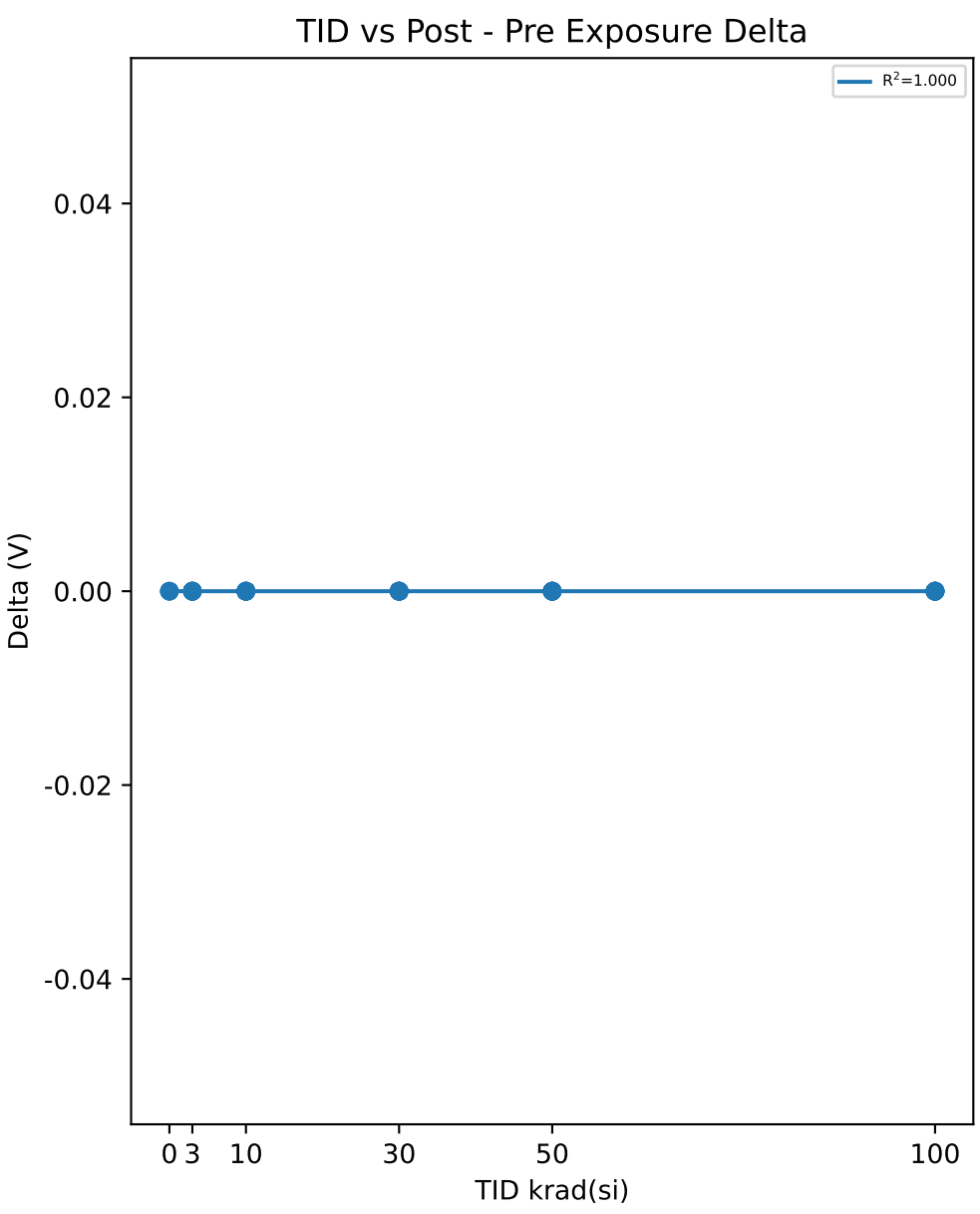
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
390	100	Biased	0	0	0
392	100	Biased	0	0	0
393	100	Biased	0	0	0
394	100	Biased	0	0	0
395	100	Biased	0	0	0
412	100	Unbiased	0	0	0
413	100	Unbiased	0	0	0
414	100	Unbiased	0	0	0
415	100	Unbiased	0	0	0
416	100	Unbiased	0	0	0
417	50	Biased	0	0	0
418	50	Biased	0	0	0
419	50	Biased	0	0	0
421	50	Biased	0	0	0
422	50	Biased	0	0	0
423	50	Unbiased	0	0	0
424	50	Unbiased	0	0	0
425	50	Unbiased	0	0	0
426	50	Unbiased	0	0	0
427	50	Unbiased	0	0	0
463	0	Corr	0	0	0
464	0	Corr	0	0	0
465	0	Corr	0	0	0
466	30	Biased	0	0	0
469	30	Biased	0	0	0
470	30	Biased	0	0	0
472	30	Biased	0	0	0
474	30	Biased	0	0	0
475	30	Unbiased	0	0	0
477	30	Unbiased	0	0	0
478	30	Unbiased	0	0	0
479	30	Unbiased	0	0	0
480	30	Unbiased	0	0	0
481	10	Biased	0	0	0
482	10	Biased	0	0	0
483	10	Biased	0	0	0
484	10	Biased	0	0	0
485	10	Biased	0	0	0
487	10	Unbiased	0	0	0
488	10	Unbiased	0	0	0
489	10	Unbiased	0	0	0
490	10	Unbiased	0	0	0
491	10	Unbiased	0	0	0
492	3	Biased	0	0	0
493	3	Biased	0	0	0
494	3	Biased	0	0	0
495	3	Biased	0	0	0
496	3	Biased	0	0	0
497	3	Unbiased	0	0	0
498	3	Unbiased	0	0	0
499	3	Unbiased	0	0	0
500	3	Unbiased	0	0	0
502	3	Unbiased	0	0	0

Test Statistics (V)

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

Device Test: 24.23 SYNC_OUT_HIGH(LEVELS|VOH/SYNC2/4.5//511k//@SYNC_OUT_HIGH)





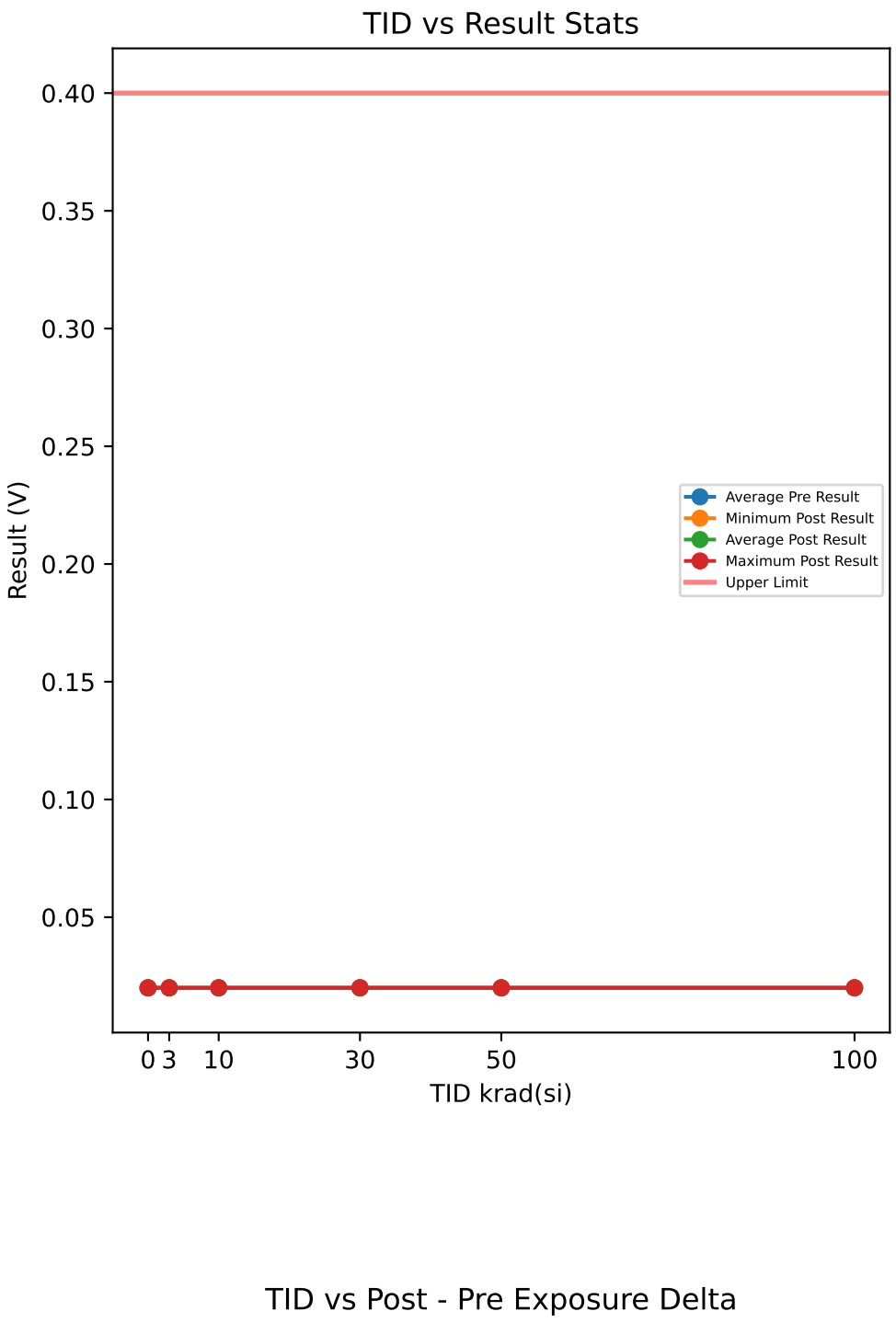
Test Results (Upper Limit = 0.3 (V))

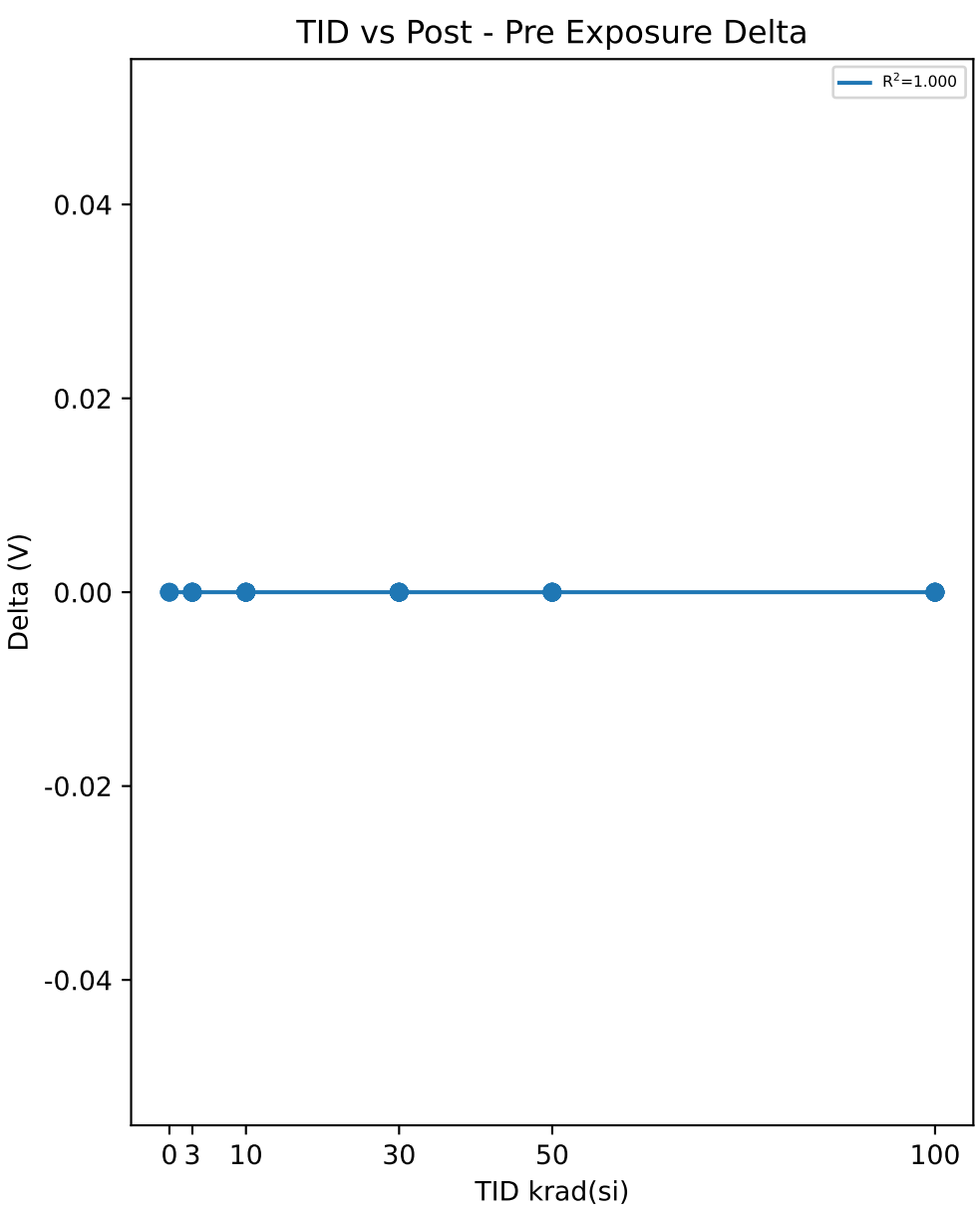
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
390	100	Biased	0	0	0
392	100	Biased	0	0	0
393	100	Biased	0	0	0
394	100	Biased	0	0	0
395	100	Biased	0	0	0
412	100	Unbiased	0	0	0
413	100	Unbiased	0	0	0
414	100	Unbiased	0	0	0
415	100	Unbiased	0	0	0
416	100	Unbiased	0	0	0
417	50	Biased	0	0	0
418	50	Biased	0	0	0
419	50	Biased	0	0	0
421	50	Biased	0	0	0
422	50	Biased	0	0	0
423	50	Unbiased	0	0	0
424	50	Unbiased	0	0	0
425	50	Unbiased	0	0	0
426	50	Unbiased	0	0	0
427	50	Unbiased	0	0	0
463	0	Corr	0	0	0
464	0	Corr	0	0	0
465	0	Corr	0	0	0
466	30	Biased	0	0	0
469	30	Biased	0	0	0
470	30	Biased	0	0	0
472	30	Biased	0	0	0
474	30	Biased	0	0	0
475	30	Unbiased	0	0	0
477	30	Unbiased	0	0	0
478	30	Unbiased	0	0	0
479	30	Unbiased	0	0	0
480	30	Unbiased	0	0	0
481	10	Biased	0	0	0
482	10	Biased	0	0	0
483	10	Biased	0	0	0
484	10	Biased	0	0	0
485	10	Biased	0	0	0
487	10	Unbiased	0	0	0
488	10	Unbiased	0	0	0
489	10	Unbiased	0	0	0
490	10	Unbiased	0	0	0
491	10	Unbiased	0	0	0
492	3	Biased	0	0	0
493	3	Biased	0	0	0
494	3	Biased	0	0	0
495	3	Biased	0	0	0
496	3	Biased	0	0	0
497	3	Unbiased	0	0	0
498	3	Unbiased	0	0	0
499	3	Unbiased	0	0	0
500	3	Unbiased	0	0	0
502	3	Unbiased	0	0	0

Test Statistics (V)

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

Device Test: 24.24 SYNC_OUT_LOW(LEVELS|VOL/SYNC1/4.5//511k//@SYNC_OUT_LOW)





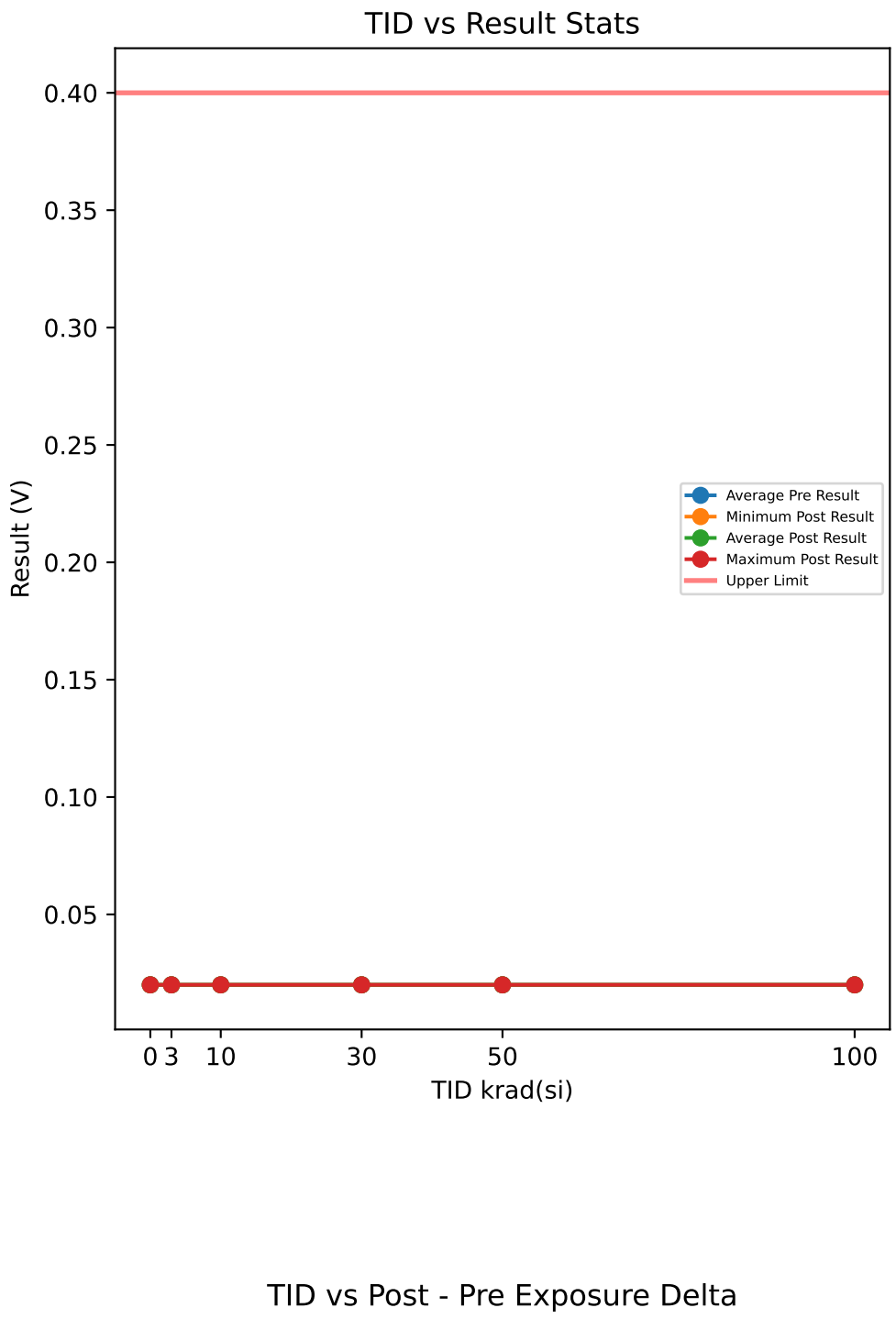
Test Results (Upper Limit = 0.4 (V))

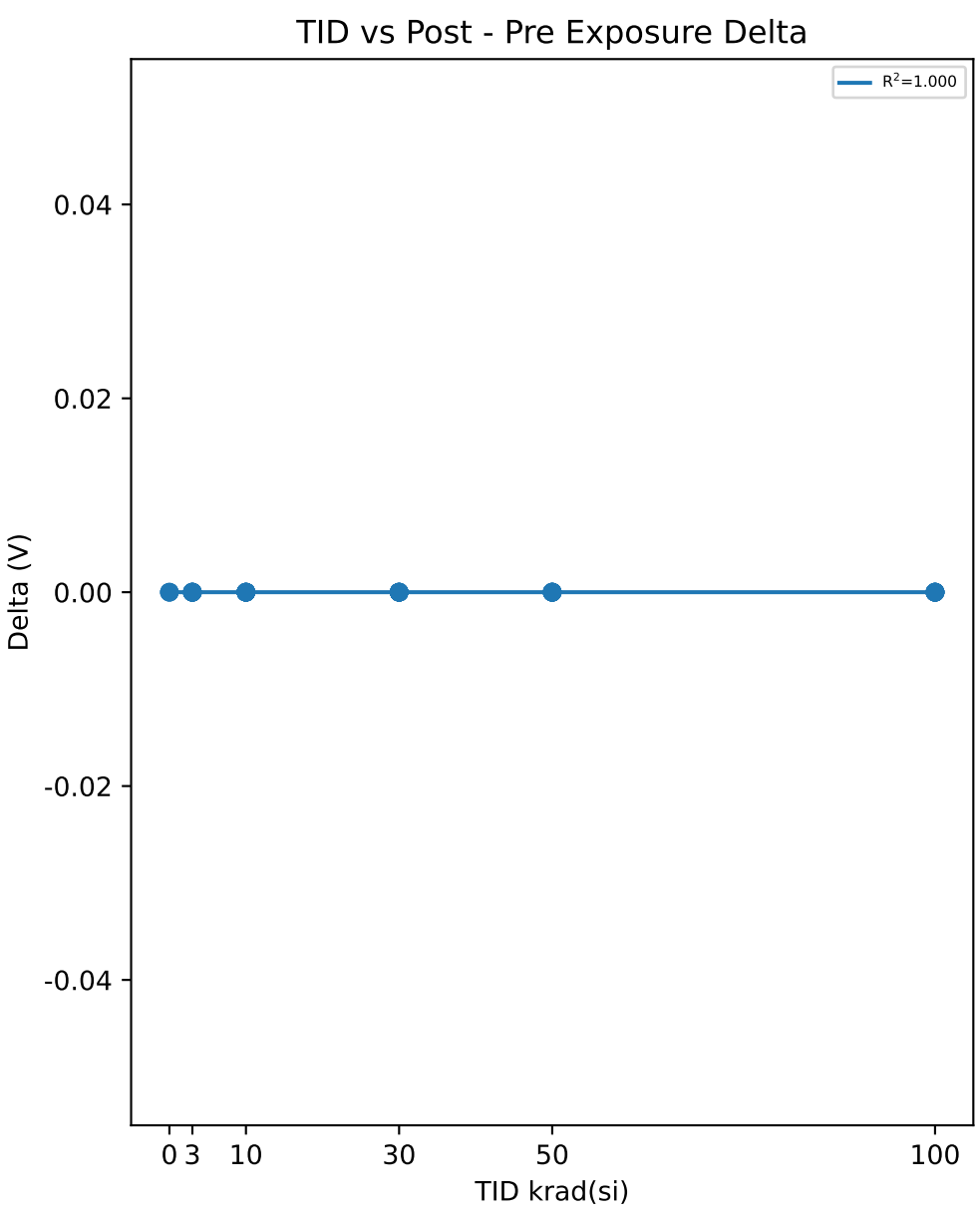
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
390	100	Biased	0.02	0.02	0
392	100	Biased	0.02	0.02	0
393	100	Biased	0.02	0.02	0
394	100	Biased	0.02	0.02	0
395	100	Biased	0.02	0.02	0
412	100	Unbiased	0.02	0.02	0
413	100	Unbiased	0.02	0.02	0
414	100	Unbiased	0.02	0.02	0
415	100	Unbiased	0.02	0.02	0
416	100	Unbiased	0.02	0.02	0
417	50	Biased	0.02	0.02	0
418	50	Biased	0.02	0.02	0
419	50	Biased	0.02	0.02	0
421	50	Biased	0.02	0.02	0
422	50	Biased	0.02	0.02	0
423	50	Unbiased	0.02	0.02	0
424	50	Unbiased	0.02	0.02	0
425	50	Unbiased	0.02	0.02	0
426	50	Unbiased	0.02	0.02	0
427	50	Unbiased	0.02	0.02	0
463	0	Corr	0.02	0.02	0
464	0	Corr	0.02	0.02	0
465	0	Corr	0.02	0.02	0
466	30	Biased	0.02	0.02	0
469	30	Biased	0.02	0.02	0
470	30	Biased	0.02	0.02	0
472	30	Biased	0.02	0.02	0
474	30	Biased	0.02	0.02	0
475	30	Unbiased	0.02	0.02	0
477	30	Unbiased	0.02	0.02	0
478	30	Unbiased	0.02	0.02	0
479	30	Unbiased	0.02	0.02	0
480	30	Unbiased	0.02	0.02	0
481	10	Biased	0.02	0.02	0
482	10	Biased	0.02	0.02	0
483	10	Biased	0.02	0.02	0
484	10	Biased	0.02	0.02	0
485	10	Biased	0.02	0.02	0
487	10	Unbiased	0.02	0.02	0
488	10	Unbiased	0.02	0.02	0
489	10	Unbiased	0.02	0.02	0
490	10	Unbiased	0.02	0.02	0
491	10	Unbiased	0.02	0.02	0
492	3	Biased	0.02	0.02	0
493	3	Biased	0.02	0.02	0
494	3	Biased	0.02	0.02	0
495	3	Biased	0.02	0.02	0
496	3	Biased	0.02	0.02	0
497	3	Unbiased	0.02	0.02	0
498	3	Unbiased	0.02	0.02	0
499	3	Unbiased	0.02	0.02	0
500	3	Unbiased	0.02	0.02	0
502	3	Unbiased	0.02	0.02	0

Test Statistics (V)

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	0.02	0.02	0.02	0	0.02	0.02	0.02	0	0	0	0	0
3	0.02	0.02	0.02	0	0.02	0.02	0.02	0	0	0	0	0
10	0.02	0.02	0.02	0	0.02	0.02	0.02	0	0	0	0	0
30	0.02	0.02	0.02	0	0.02	0.02	0.02	0	0	0	0	0
50	0.02	0.02	0.02	0	0.02	0.02	0.02	0	0	0	0	0
100	0.02	0.02	0.02	0	0.02	0.02	0.02	0	0	0	0	0

Device Test: 24.25 SYNC_OUT_LOW(LEVELS|VOL/SYNC2/4.5//511k//@SYNC_OUT_LOW)





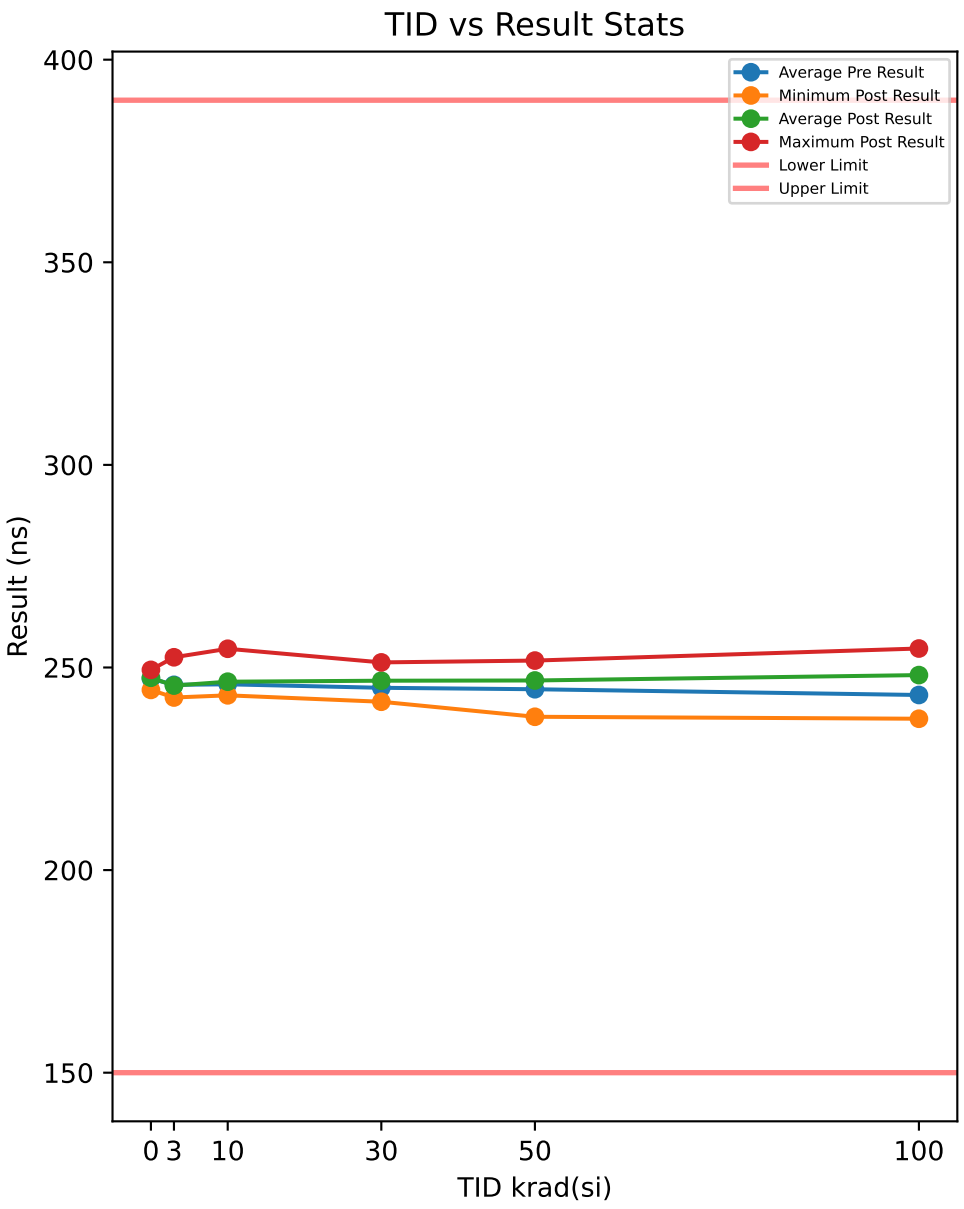
Test Results (Upper Limit = 0.4 (V))

Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
390	100	Biased	0.02	0.02	0
392	100	Biased	0.02	0.02	0
393	100	Biased	0.02	0.02	0
394	100	Biased	0.02	0.02	0
395	100	Biased	0.02	0.02	0
412	100	Unbiased	0.02	0.02	0
413	100	Unbiased	0.02	0.02	0
414	100	Unbiased	0.02	0.02	0
415	100	Unbiased	0.02	0.02	0
416	100	Unbiased	0.02	0.02	0
417	50	Biased	0.02	0.02	0
418	50	Biased	0.02	0.02	0
419	50	Biased	0.02	0.02	0
421	50	Biased	0.02	0.02	0
422	50	Biased	0.02	0.02	0
423	50	Unbiased	0.02	0.02	0
424	50	Unbiased	0.02	0.02	0
425	50	Unbiased	0.02	0.02	0
426	50	Unbiased	0.02	0.02	0
427	50	Unbiased	0.02	0.02	0
463	0	Corr	0.02	0.02	0
464	0	Corr	0.02	0.02	0
465	0	Corr	0.02	0.02	0
466	30	Biased	0.02	0.02	0
469	30	Biased	0.02	0.02	0
470	30	Biased	0.02	0.02	0
472	30	Biased	0.02	0.02	0
474	30	Biased	0.02	0.02	0
475	30	Unbiased	0.02	0.02	0
477	30	Unbiased	0.02	0.02	0
478	30	Unbiased	0.02	0.02	0
479	30	Unbiased	0.02	0.02	0
480	30	Unbiased	0.02	0.02	0
481	10	Biased	0.02	0.02	0
482	10	Biased	0.02	0.02	0
483	10	Biased	0.02	0.02	0
484	10	Biased	0.02	0.02	0
485	10	Biased	0.02	0.02	0
487	10	Unbiased	0.02	0.02	0
488	10	Unbiased	0.02	0.02	0
489	10	Unbiased	0.02	0.02	0
490	10	Unbiased	0.02	0.02	0
491	10	Unbiased	0.02	0.02	0
492	3	Biased	0.02	0.02	0
493	3	Biased	0.02	0.02	0
494	3	Biased	0.02	0.02	0
495	3	Biased	0.02	0.02	0
496	3	Biased	0.02	0.02	0
497	3	Unbiased	0.02	0.02	0
498	3	Unbiased	0.02	0.02	0
499	3	Unbiased	0.02	0.02	0
500	3	Unbiased	0.02	0.02	0
502	3	Unbiased	0.02	0.02	0

Test Statistics (V)

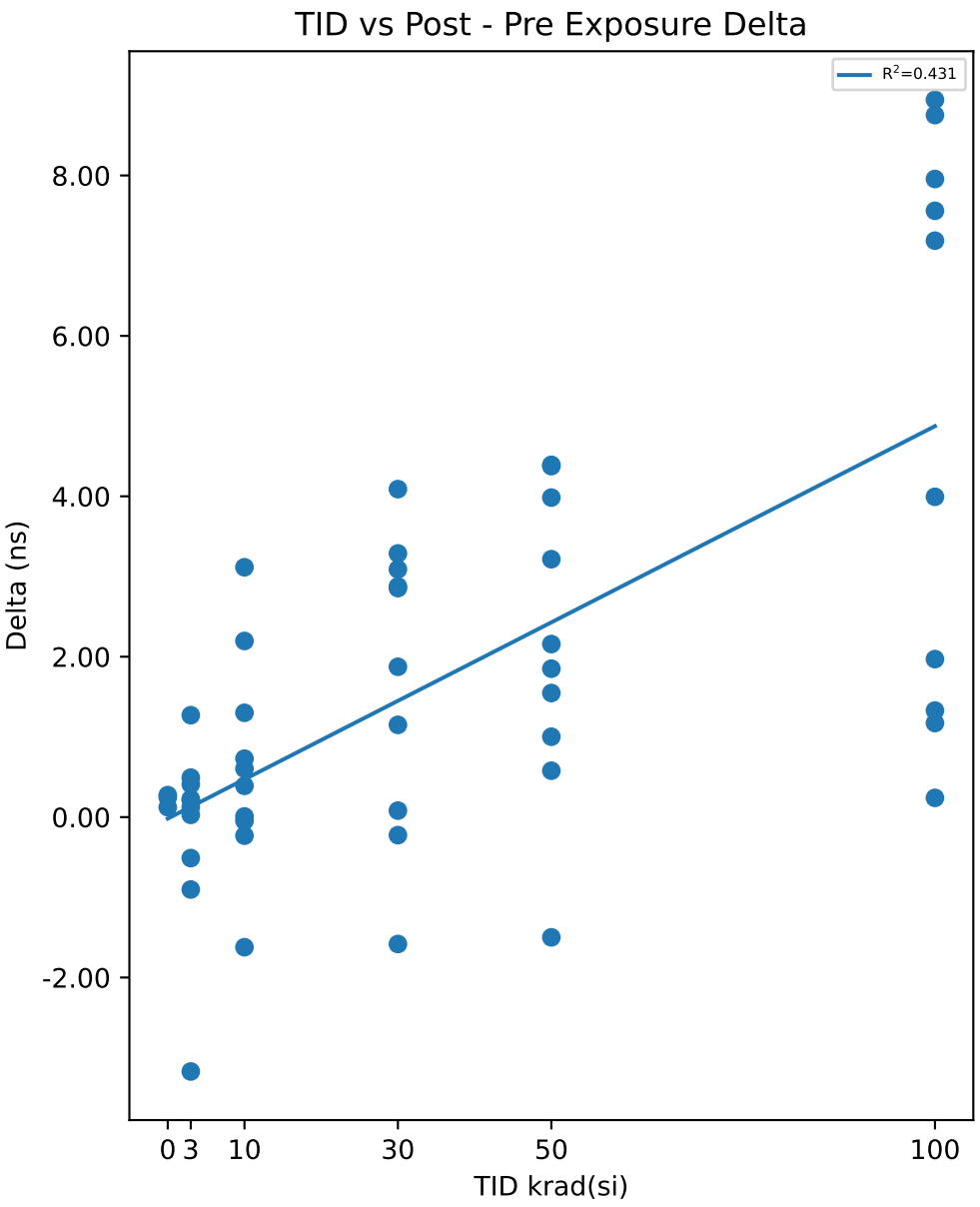
krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	0.02	0.02	0.02	0	0.02	0.02	0.02	0	0	0	0	0
3	0.02	0.02	0.02	0	0.02	0.02	0.02	0	0	0	0	0
10	0.02	0.02	0.02	0	0.02	0.02	0.02	0	0	0	0	0
30	0.02	0.02	0.02	0	0.02	0.02	0.02	0	0	0	0	0
50	0.02	0.02	0.02	0	0.02	0.02	0.02	0	0	0	0	0
100	0.02	0.02	0.02	0	0.02	0.02	0.02	0	0	0	0	0

Device Test: 24.3 SYNC1_SW_DELAY_INV_4V(TIMING|DELAY/SYNC1/4.5//OPEN//@SYNC1_SW_DELAY_INV_4V)



Test Results (Lower Limit = 150.0, Upper Limit = 390.0 (ns))

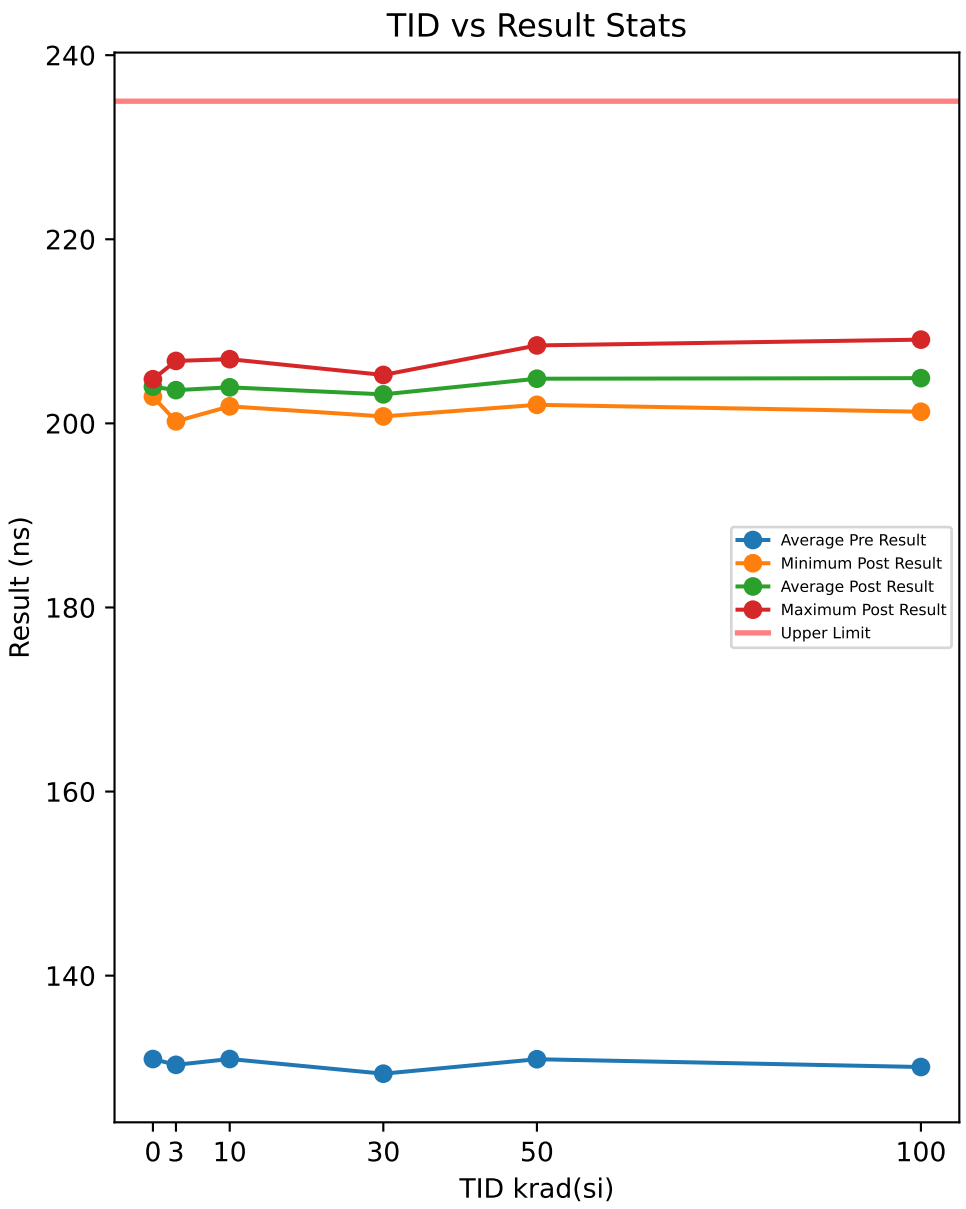
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
390	100	Biased	241.86	243.19	1.3286
392	100	Biased	241.9	250.84	8.9432
393	100	Biased	238.91	246.47	7.5596
394	100	Biased	241.63	248.82	7.187
395	100	Biased	244.19	252.14	7.956
412	100	Unbiased	246.98	248.95	1.97
413	100	Unbiased	237.11	237.35	0.2397
414	100	Unbiased	247.04	251.03	3.9935
415	100	Unbiased	245.93	254.68	8.7528
416	100	Unbiased	246.58	247.76	1.1731
417	50	Biased	246.07	249.29	3.2156
418	50	Biased	247.32	251.71	4.3923
419	50	Biased	240.39	244.37	3.9838
421	50	Biased	244.38	246.54	2.1577
422	50	Biased	246.48	250.86	4.3761
423	50	Unbiased	249.32	247.82	-1.4989
424	50	Unbiased	242.8	244.65	1.8505
425	50	Unbiased	247.26	247.84	0.5786
426	50	Unbiased	245.47	247.02	1.5472
427	50	Unbiased	236.84	237.84	1.0023
463	0	Corr	244.19	244.47	0.2742
464	0	Corr	248.29	248.53	0.2463
465	0	Corr	249.29	249.41	0.1236
466	30	Biased	247.38	250.67	3.2874
469	30	Biased	238.79	241.67	2.8763
470	30	Biased	242.88	246.97	4.0896
472	30	Biased	245.43	247.31	1.8742
474	30	Biased	247.15	250.24	3.0897
475	30	Unbiased	247.12	246.9	-0.2248
477	30	Unbiased	251.18	251.26	0.081
478	30	Unbiased	240.39	241.55	1.1501
479	30	Unbiased	244.76	243.18	-1.5821
480	30	Unbiased	244.77	247.63	2.8554
481	10	Biased	247.02	247.62	0.604
482	10	Biased	245	248.12	3.115
483	10	Biased	244.81	244.58	-0.2315
484	10	Biased	245.04	245.05	0.0083
485	10	Biased	242.37	244.57	2.1962
487	10	Unbiased	245.8	245.76	-0.0467
488	10	Unbiased	244.98	245.7	0.7286
489	10	Unbiased	244.75	243.13	-1.6222
490	10	Unbiased	254.23	254.62	0.39
491	10	Unbiased	244.5	245.8	1.3006
492	3	Biased	243.94	244.43	0.4921
493	3	Biased	244.94	244.43	-0.5109
494	3	Biased	242.12	243.39	1.2708
495	3	Biased	242.47	242.59	0.1235
496	3	Biased	246.47	246.7	0.2263
497	3	Unbiased	245.68	245.71	0.0282
498	3	Unbiased	243.6	244	0.4087
499	3	Unbiased	253.42	252.52	-0.9027
500	3	Unbiased	248.3	248.51	0.2105
502	3	Unbiased	246.25	243.08	-3.1717



Test Statistics (ns)

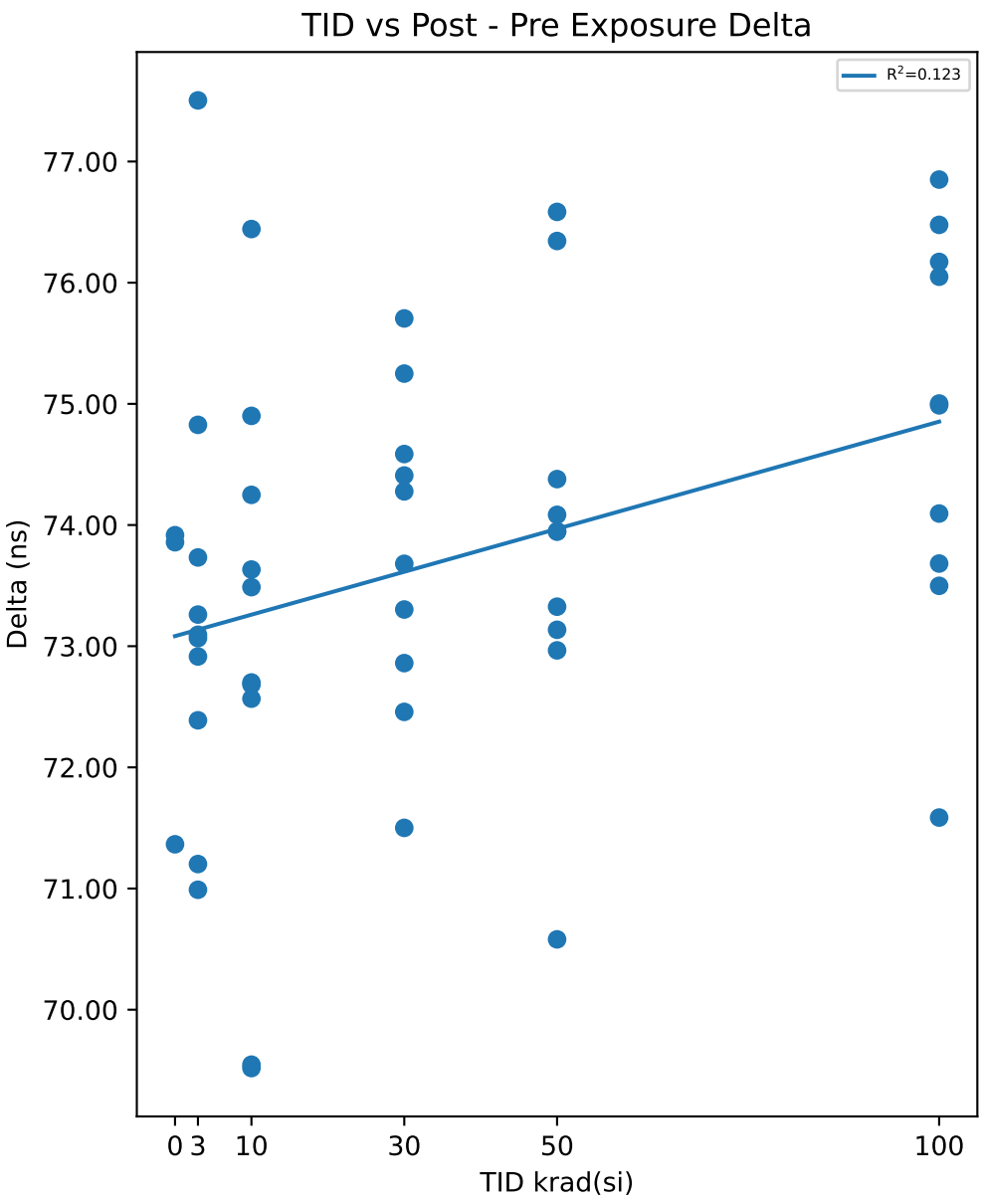
krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	244.19	247.26	249.29	2.6986	244.47	247.47	249.41	2.6371	0.1236	0.2147	0.2742	0.080119
3	242.12	245.72	253.42	3.3111	242.59	245.54	252.52	3.0384	-3.1717	-0.18252	1.2708	1.199
10	242.37	245.85	254.23	3.1615	243.13	246.49	254.62	3.2041	-1.6222	0.64423	3.115	1.3251
30	238.79	244.99	251.18	3.6136	241.55	246.74	251.26	3.5705	-1.5821	1.7497	4.0896	1.8344
50	236.84	244.63	249.32	3.7187	237.84	246.79	251.71	3.9412	-1.4989	2.1605	4.3923	1.8866
100	237.11	243.21	247.04	3.501	237.35	248.12	254.68	4.9374	0.2397	4.9104	8.9432	3.5056

Device Test: 24.31 ON_TIME_MIN_4V(TIMING|MINON/SW/4.5//511k//@ON_TIME_MIN_4V)



Test Results (Upper Limit = 235.0 (ns))

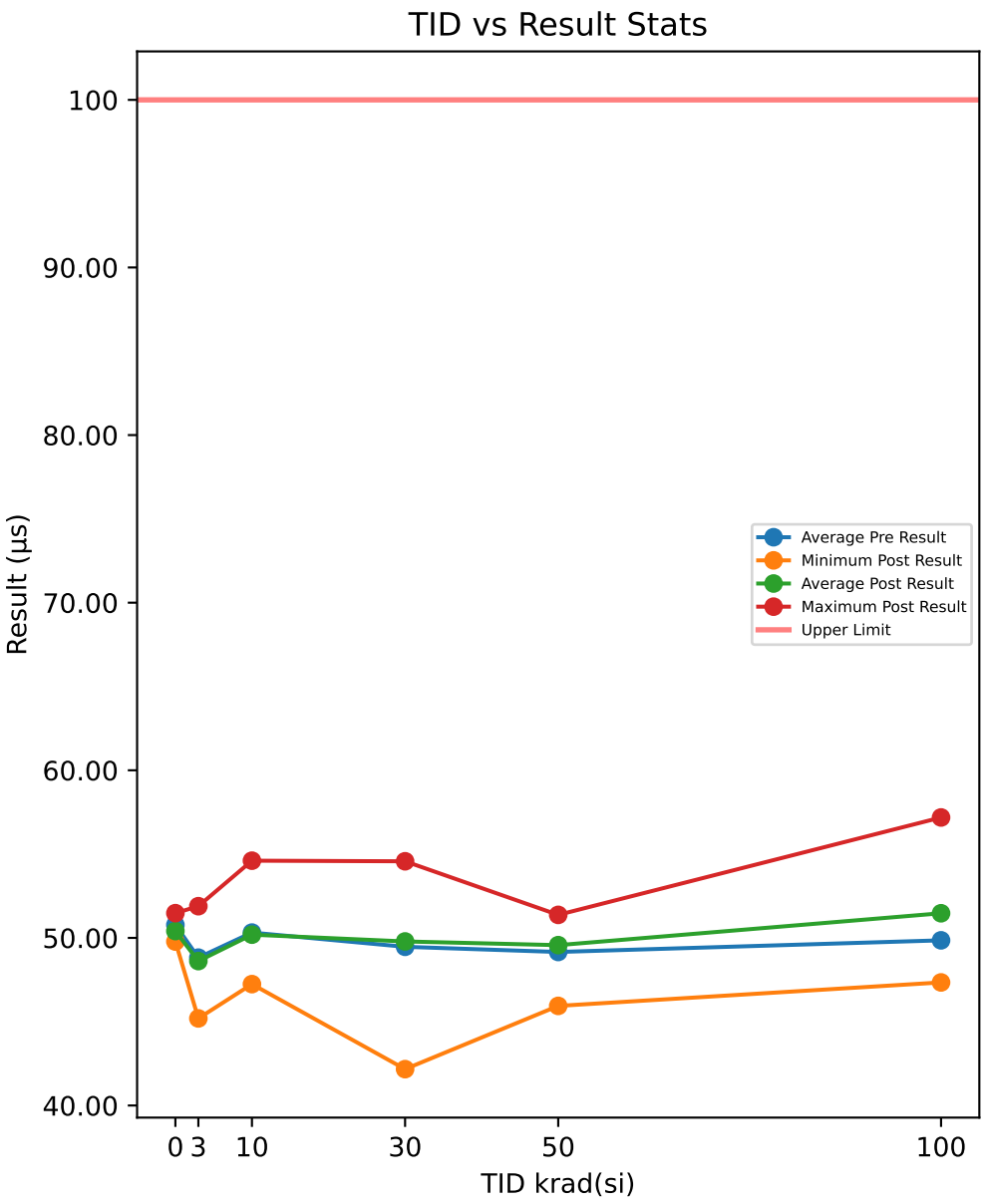
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
390	100	Biased	125.09	201.26	76.172
392	100	Biased	126.77	203.62	76.851
393	100	Biased	134.42	206.01	71.586
394	100	Biased	127.8	202.8	75.003
395	100	Biased	131.06	206.04	74.988
412	100	Unbiased	133.31	206.99	73.682
413	100	Unbiased	132.31	205.8	73.498
414	100	Unbiased	129.45	205.5	76.049
415	100	Unbiased	125.54	202.02	76.477
416	100	Unbiased	135	209.1	74.095
417	50	Biased	128.07	202.02	73.946
418	50	Biased	130.2	204.28	74.084
419	50	Biased	129.85	203.18	73.326
421	50	Biased	128.62	202.57	73.948
422	50	Biased	130.07	204.45	74.379
423	50	Unbiased	128.54	204.89	76.344
424	50	Unbiased	136.48	207.06	70.581
425	50	Unbiased	126.98	203.56	76.584
426	50	Unbiased	135.33	208.47	73.135
427	50	Unbiased	135.06	208.03	72.966
463	0	Corr	130.94	204.79	73.858
464	0	Corr	132.89	204.26	71.365
465	0	Corr	129	202.91	73.916
466	30	Biased	130.33	203.64	73.303
469	30	Biased	131.77	203.28	71.501
470	30	Biased	128.76	201.21	72.458
472	30	Biased	128.87	203.28	74.409
474	30	Biased	126.17	200.76	74.586
475	30	Unbiased	130.58	204.86	74.278
477	30	Unbiased	132.4	205.26	72.86
478	30	Unbiased	127.25	200.93	73.68
479	30	Unbiased	128.6	203.85	75.25
480	30	Unbiased	128.76	204.46	75.705
481	10	Biased	130.95	203.66	72.701
482	10	Biased	132.8	205.48	72.683
483	10	Biased	133.94	203.46	69.518
484	10	Biased	137.43	206.97	69.546
485	10	Biased	131.03	203.59	72.567
487	10	Unbiased	126.85	203.29	76.443
488	10	Unbiased	127.74	202.64	74.901
489	10	Unbiased	129.46	202.95	73.488
490	10	Unbiased	128.22	201.85	73.633
491	10	Unbiased	131.02	205.27	74.249
492	3	Biased	135.05	206.25	71.202
493	3	Biased	129.28	204.1	74.827
494	3	Biased	128.57	202.3	73.732
495	3	Biased	134.39	206.78	72.388
496	3	Biased	128.9	201.99	73.094
497	3	Unbiased	122.71	200.22	77.505
498	3	Unbiased	130.1	203.01	72.915
499	3	Unbiased	130.06	203.12	73.067
500	3	Unbiased	129.36	202.62	73.261
502	3	Unbiased	134.7	205.69	70.99

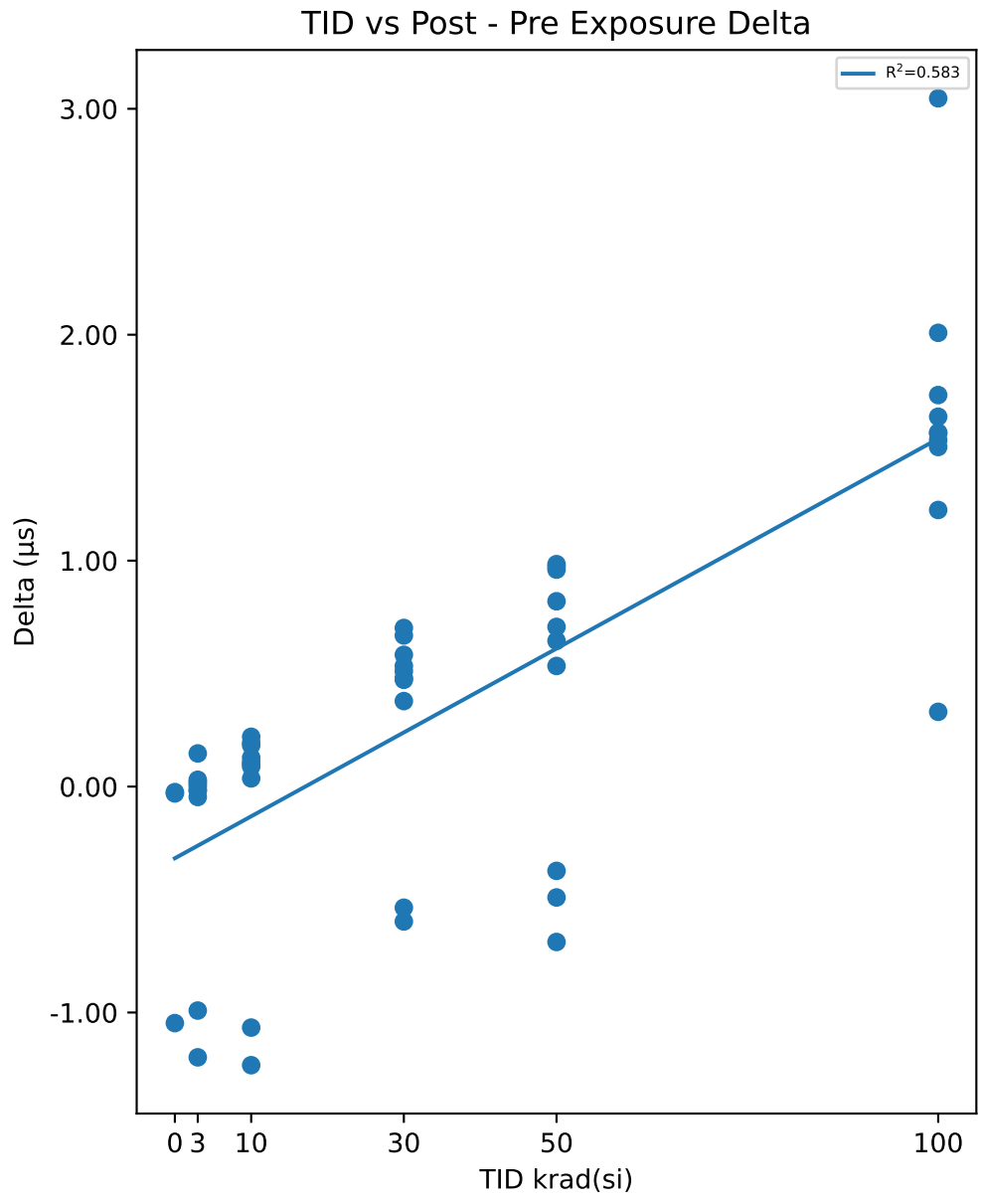


Test Statistics (ns)

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	129	130.94	132.89	1.948	202.91	203.99	204.79	0.96964	71.365	73.046	73.916	1.4563
3	122.71	130.31	135.05	3.701	200.22	203.61	206.78	2.0829	70.99	73.298	77.505	1.8563
10	126.85	130.94	137.43	3.1822	201.85	203.92	206.97	1.5352	69.518	72.973	76.443	2.1624
30	126.17	129.35	132.4	1.9349	200.76	203.15	205.26	1.6421	71.501	73.803	75.705	1.2987
50	126.98	130.92	136.48	3.407	202.02	204.85	208.47	2.2658	70.581	73.929	76.584	1.7077
100	125.09	130.07	135	3.6741	201.26	204.91	209.1	2.433	71.586	74.84	76.851	1.643

Device Test: 24.32 T_EN_DELAY(TIMING|DELAY/EN/4.5//511k//@T_EN_DELAY)





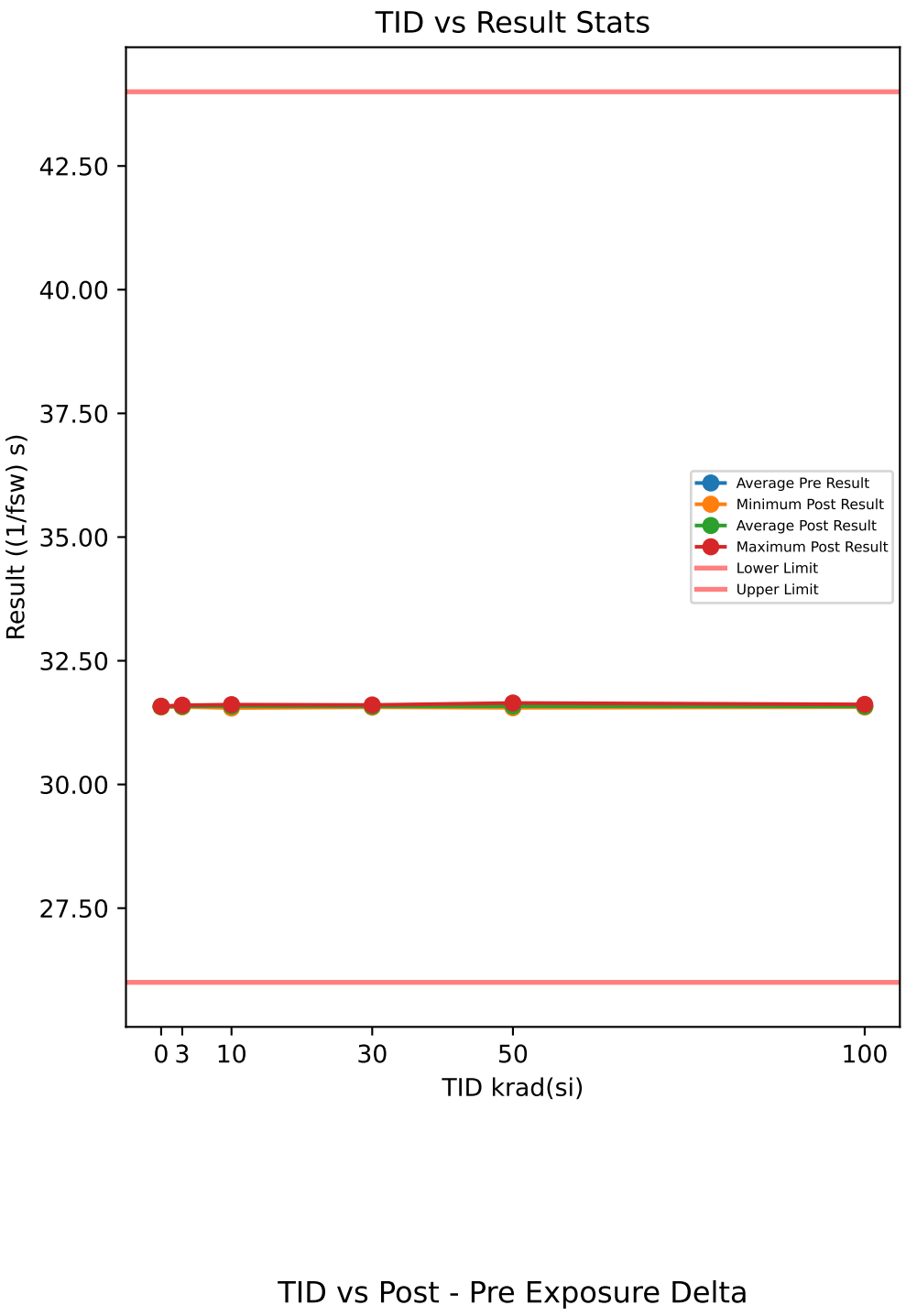
Test Results (Upper Limit = 100.0 (µs))

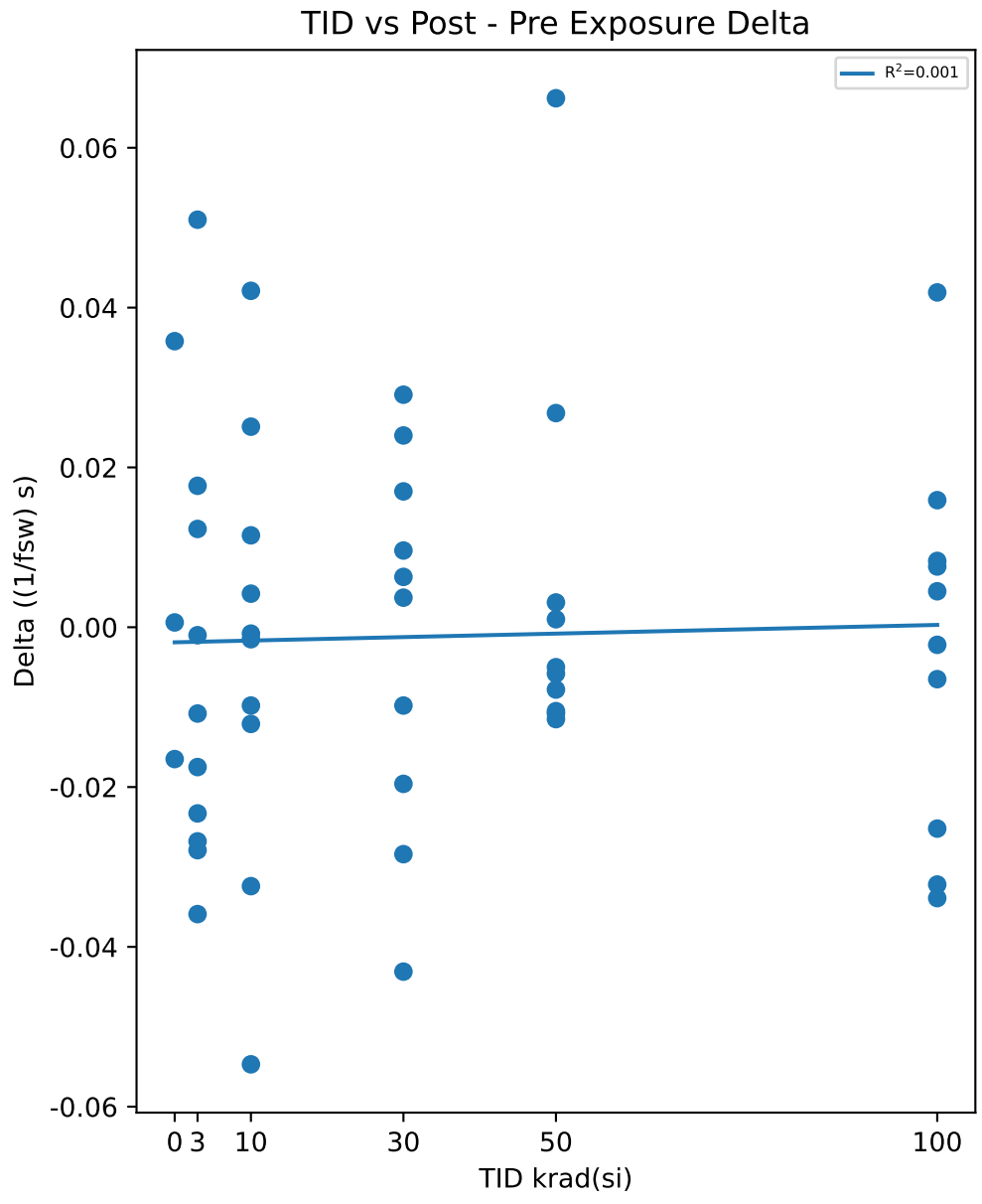
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
390	100	Biased	46.942	48.166	1.2243
392	100	Biased	48.298	49.863	1.5647
393	100	Biased	49.795	51.528	1.7329
394	100	Biased	45.809	47.343	1.5336
395	100	Biased	55.177	57.185	2.0084
412	100	Unbiased	48.996	50.634	1.6371
413	100	Unbiased	52.038	53.541	1.503
414	100	Unbiased	50.318	51.885	1.5667
415	100	Unbiased	51.683	52.014	0.3309
416	100	Unbiased	49.489	52.535	3.0463
417	50	Biased	49.747	50.281	0.5338
418	50	Biased	50.779	50.406	-0.3731
419	50	Biased	51.603	51.112	-0.4908
421	50	Biased	50.728	51.373	0.6452
422	50	Biased	48.392	49.352	0.9602
423	50	Unbiased	48.508	49.493	0.9845
424	50	Unbiased	50.058	50.765	0.7068
425	50	Unbiased	50.644	49.956	-0.6878
426	50	Unbiased	46.172	46.992	0.8201
427	50	Unbiased	44.969	45.943	0.9733
463	0	Corr	50.828	49.781	-1.0469
464	0	Corr	51.501	51.476	-0.0245
465	0	Corr	49.998	49.967	-0.0304
466	30	Biased	54.06	54.571	0.5107
469	30	Biased	42.766	42.169	-0.597
470	30	Biased	48.938	49.411	0.4725
472	30	Biased	46.513	46.994	0.481
474	30	Biased	52.243	52.826	0.5832
475	30	Unbiased	51.734	52.436	0.7021
477	30	Unbiased	49.995	50.373	0.3784
478	30	Unbiased	49.158	49.827	0.6688
479	30	Unbiased	49.528	48.992	-0.5361
480	30	Unbiased	49.746	50.28	0.534
481	10	Biased	54.478	54.607	0.1281
482	10	Biased	51.64	50.407	-1.2332
483	10	Biased	48.862	48.95	0.0886
484	10	Biased	52.272	52.492	0.2204
485	10	Biased	48.309	47.242	-1.0668
487	10	Unbiased	48.819	48.855	0.0362
488	10	Unbiased	47.462	47.645	0.1827
489	10	Unbiased	50.473	50.581	0.108
490	10	Unbiased	49.494	49.688	0.1943
491	10	Unbiased	51.357	51.457	0.1001
492	3	Biased	49.721	49.868	0.1467
493	3	Biased	48.442	48.424	-0.018
494	3	Biased	48.738	47.539	-1.1984
495	3	Biased	48.454	48.438	-0.0163
496	3	Biased	47.54	47.494	-0.0461
497	3	Unbiased	51.59	50.599	-0.9914
498	3	Unbiased	45.195	45.195	0.0008
499	3	Unbiased	51.88	51.891	0.0119
500	3	Unbiased	49.097	49.127	0.0301
502	3	Unbiased	47.564	47.585	0.0216

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	49.998	50.775	51.501	0.75283	49.781	50.408	51.476	0.92953	-1.0469	-0.36727	-0.0245	0.58859
3	45.195	48.822	51.88	1.9598	45.195	48.616	51.891	1.8779	-1.1984	-0.20591	0.1467	0.47385
10	47.462	50.317	54.478	2.1401	47.242	50.193	54.607	2.2448	-1.2332	-0.12416	0.2204	0.54484
30	42.766	49.468	54.06	3.1323	42.169	49.788	54.571	3.4372	-0.597	0.31976	0.7021	0.47673
50	44.969	49.16	51.603	2.1578	45.943	49.567	51.373	1.7723	-0.6878	0.40722	0.9845	0.65885
100	45.809	49.855	55.177	2.6831	47.343	51.469	57.185	2.7846	0.3309	1.6148	3.0463	0.67027

Device Test: 24.34 T_FAULT_DELAY(TIMING|DELAY/FAULT/4.5//511k//@T_FAULT_DELAY)





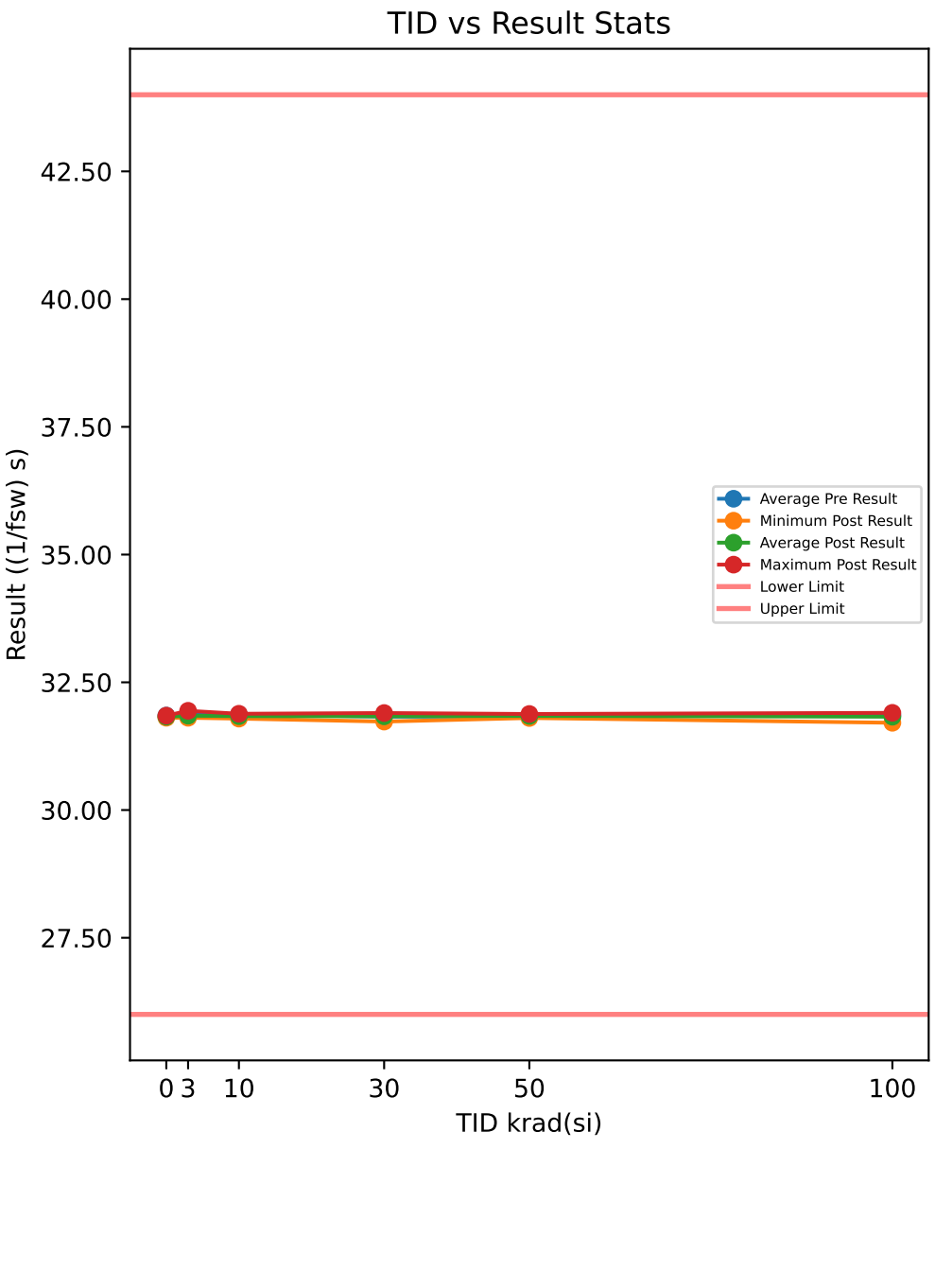
Test Results (Lower Limit = 26.0, Upper Limit = 44.0 ((1/fsw) s))

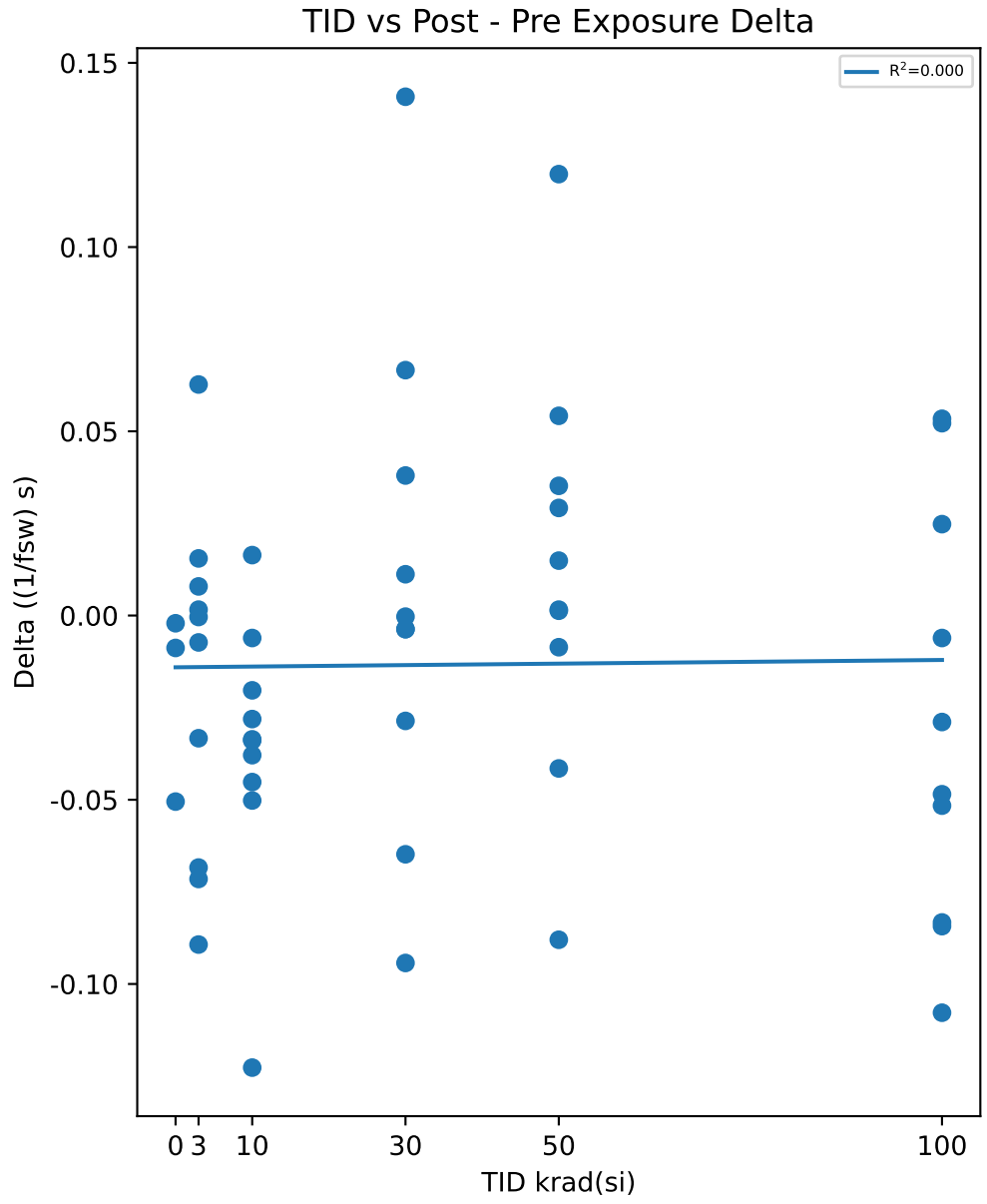
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
390	100	Biased	31.576	31.618	0.0419
392	100	Biased	31.566	31.573	0.0076
393	100	Biased	31.575	31.569	-0.0065
394	100	Biased	31.612	31.578	-0.0339
395	100	Biased	31.582	31.579	-0.0022
412	100	Unbiased	31.567	31.571	0.0045
413	100	Unbiased	31.556	31.572	0.0159
414	100	Unbiased	31.607	31.575	-0.0322
415	100	Unbiased	31.589	31.564	-0.0252
416	100	Unbiased	31.585	31.593	0.0083
417	50	Biased	31.564	31.568	0.0031
418	50	Biased	31.555	31.55	-0.005
419	50	Biased	31.584	31.576	-0.0078
421	50	Biased	31.58	31.646	0.0662
422	50	Biased	31.583	31.572	-0.0105
423	50	Unbiased	31.598	31.587	-0.0108
424	50	Unbiased	31.576	31.57	-0.0058
425	50	Unbiased	31.578	31.579	0.001
426	50	Unbiased	31.579	31.567	-0.0115
427	50	Unbiased	31.584	31.61	0.0268
463	0	Corr	31.58	31.581	0.0006
464	0	Corr	31.582	31.566	-0.0165
465	0	Corr	31.545	31.581	0.0358
466	30	Biased	31.561	31.571	0.0096
469	30	Biased	31.581	31.562	-0.0196
470	30	Biased	31.583	31.573	-0.0098
472	30	Biased	31.601	31.573	-0.0284
474	30	Biased	31.578	31.607	0.0291
475	30	Unbiased	31.593	31.597	0.0037
477	30	Unbiased	31.553	31.577	0.024
478	30	Unbiased	31.604	31.561	-0.0431
479	30	Unbiased	31.566	31.583	0.017
480	30	Unbiased	31.574	31.58	0.0063
481	10	Biased	31.594	31.584	-0.0098
482	10	Biased	31.574	31.573	-0.0008
483	10	Biased	31.615	31.56	-0.0547
484	10	Biased	31.571	31.613	0.0421
485	10	Biased	31.57	31.595	0.0251
487	10	Unbiased	31.565	31.576	0.0115
488	10	Unbiased	31.557	31.545	-0.0121
489	10	Unbiased	31.594	31.598	0.0042
490	10	Unbiased	31.621	31.588	-0.0324
491	10	Unbiased	31.587	31.586	-0.0015
492	3	Biased	31.572	31.59	0.0177
493	3	Biased	31.599	31.573	-0.0268
494	3	Biased	31.586	31.569	-0.0175
495	3	Biased	31.614	31.578	-0.0359
496	3	Biased	31.571	31.583	0.0123
497	3	Unbiased	31.578	31.568	-0.0108
498	3	Unbiased	31.621	31.593	-0.0279
499	3	Unbiased	31.592	31.569	-0.0233
500	3	Unbiased	31.551	31.602	0.051
502	3	Unbiased	31.573	31.572	-0.001

Test Statistics ((1/fsw) s)

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	31.545	31.569	31.582	0.020746	31.566	31.576	31.581	0.0088918	-0.0165	0.0066333	0.0358	0.026667
3	31.551	31.586	31.621	0.021373	31.568	31.58	31.602	0.011858	-0.0359	-0.00622	0.051	0.026731
10	31.557	31.585	31.621	0.021219	31.545	31.582	31.613	0.019617	-0.0547	-0.00284	0.0421	0.027404
30	31.553	31.579	31.604	0.016849	31.561	31.578	31.607	0.014359	-0.0431	-0.00112	0.0291	0.023545
50	31.555	31.578	31.598	0.011702	31.55	31.583	31.646	0.027372	-0.0115	0.00457	0.0662	0.024452
100	31.556	31.582	31.612	0.017758	31.564	31.579	31.618	0.015803	-0.0339	-0.00218	0.0419	0.023514

Device Test: 24.36 T_FAULT_DELAY(TIMING|DELAY/FAULT/4.5//90.9k//@T_FAULT_DELAY)





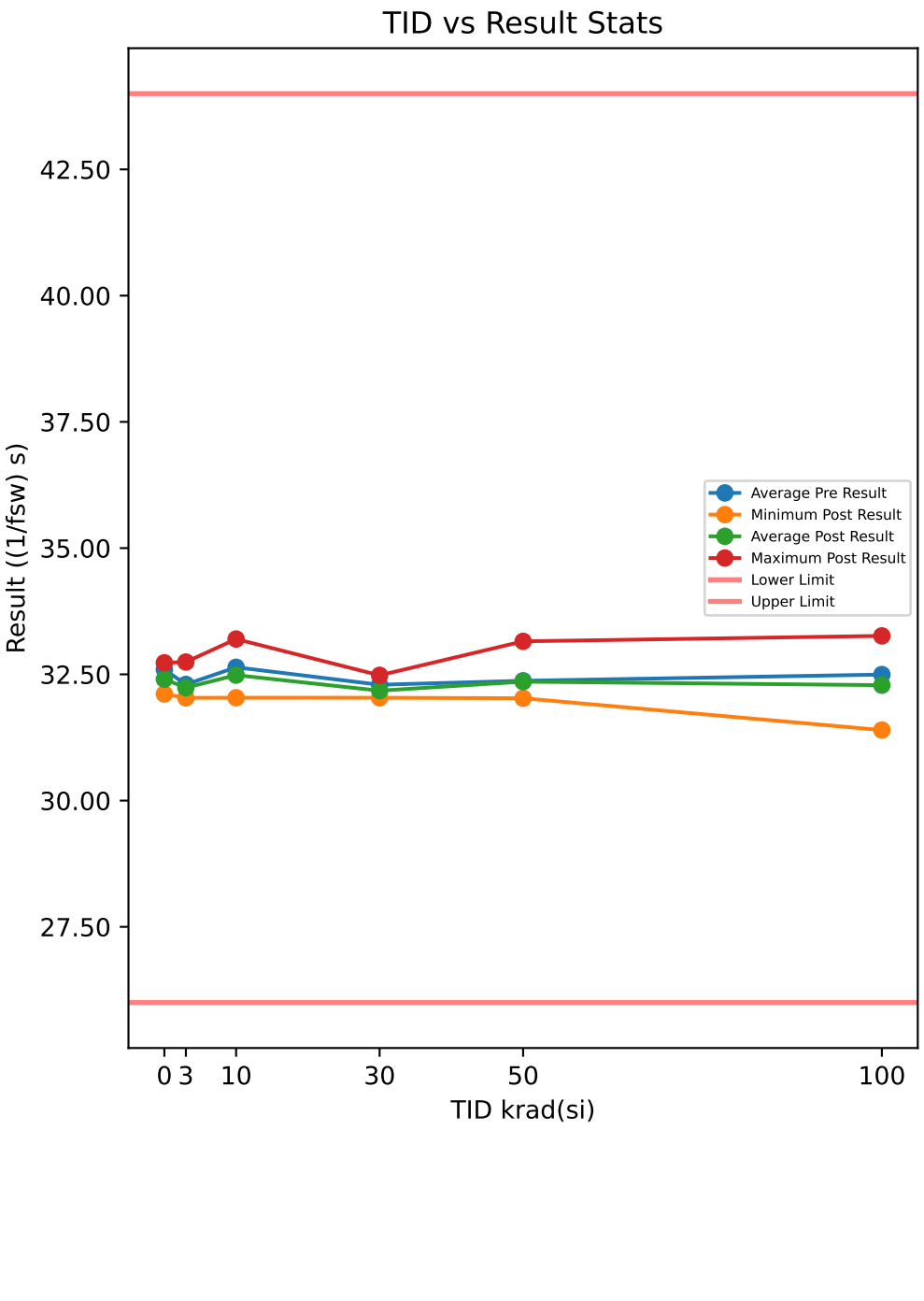
Test Results (Lower Limit = 26.0, Upper Limit = 44.0 ((1/fsw) s))

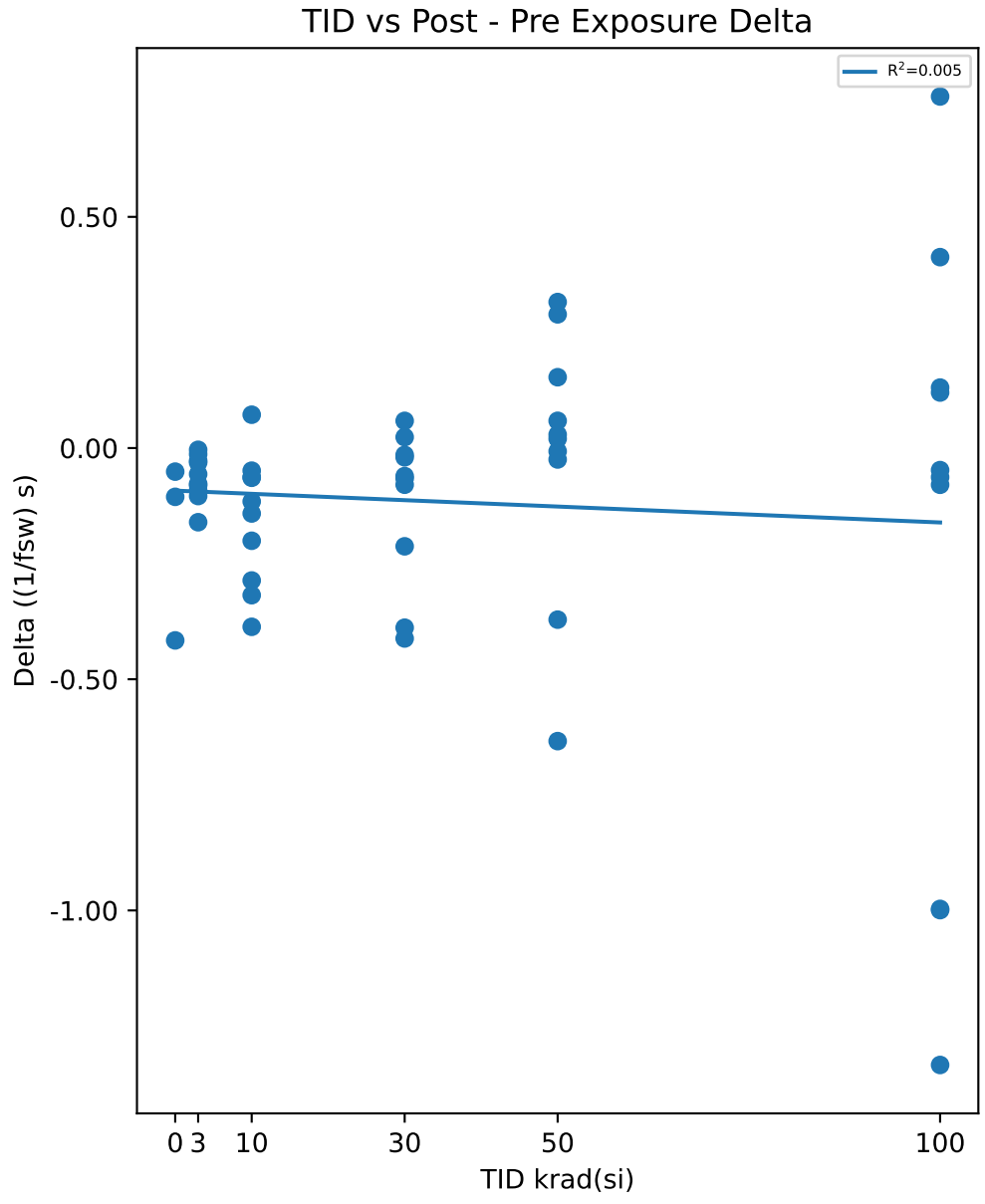
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
390	100	Biased	31.868	31.82	-0.0485
392	100	Biased	31.849	31.902	0.0534
393	100	Biased	31.844	31.838	-0.0061
394	100	Biased	31.863	31.834	-0.0289
395	100	Biased	31.833	31.858	0.0248
412	100	Unbiased	31.816	31.708	-0.1078
413	100	Unbiased	31.919	31.835	-0.0833
414	100	Unbiased	31.804	31.857	0.0522
415	100	Unbiased	31.888	31.804	-0.0843
416	100	Unbiased	31.864	31.812	-0.0516
417	50	Biased	31.773	31.802	0.0292
418	50	Biased	31.918	31.829	-0.088
419	50	Biased	31.841	31.842	0.0013
421	50	Biased	31.85	31.865	0.0149
422	50	Biased	31.826	31.88	0.0542
423	50	Unbiased	31.821	31.823	0.0016
424	50	Unbiased	31.856	31.847	-0.0086
425	50	Unbiased	31.806	31.841	0.0352
426	50	Unbiased	31.755	31.875	0.1198
427	50	Unbiased	31.855	31.813	-0.0415
463	0	Corr	31.849	31.847	-0.0021
464	0	Corr	31.857	31.807	-0.0505
465	0	Corr	31.838	31.829	-0.0088
466	30	Biased	31.756	31.896	0.1408
469	30	Biased	31.902	31.899	-0.0037
470	30	Biased	31.819	31.857	0.038
472	30	Biased	31.826	31.732	-0.0943
474	30	Biased	31.766	31.833	0.0666
475	30	Unbiased	31.792	31.804	0.0112
477	30	Unbiased	31.88	31.877	-0.0037
478	30	Unbiased	31.858	31.793	-0.0648
479	30	Unbiased	31.849	31.848	-0.0003
480	30	Unbiased	31.837	31.809	-0.0286
481	10	Biased	31.822	31.794	-0.0281
482	10	Biased	31.868	31.884	0.0164
483	10	Biased	31.898	31.878	-0.0203
484	10	Biased	31.901	31.867	-0.0339
485	10	Biased	31.861	31.828	-0.0336
487	10	Unbiased	31.834	31.828	-0.0061
488	10	Unbiased	31.855	31.809	-0.0452
489	10	Unbiased	31.88	31.842	-0.0379
490	10	Unbiased	31.912	31.789	-0.1227
491	10	Unbiased	31.9	31.849	-0.0502
492	3	Biased	31.905	31.837	-0.0684
493	3	Biased	31.877	31.806	-0.0715
494	3	Biased	31.88	31.847	-0.0333
495	3	Biased	31.88	31.942	0.0627
496	3	Biased	31.861	31.854	-0.0073
497	3	Unbiased	31.911	31.822	-0.0893
498	3	Unbiased	31.851	31.853	0.0016
499	3	Unbiased	31.837	31.845	0.0079
500	3	Unbiased	31.835	31.835	-0.0004
502	3	Unbiased	31.808	31.824	0.0155

Test Statistics ((1/fsw) s)

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	31.838	31.848	31.857	0.0099544	31.807	31.828	31.847	0.020175	-0.0505	-0.020467	-0.0021	0.026224
3	31.808	31.865	31.911	0.032305	31.806	31.846	31.942	0.036974	-0.0893	-0.01825	0.0627	0.046944
10	31.822	31.873	31.912	0.03042	31.789	31.837	31.884	0.033434	-0.1227	-0.03616	0.0164	0.036156
30	31.756	31.828	31.902	0.047287	31.732	31.835	31.899	0.052031	-0.0943	0.00612	0.1408	0.066158
50	31.755	31.83	31.918	0.045944	31.802	31.842	31.88	0.025978	-0.088	0.01181	0.1198	0.055531
100	31.804	31.855	31.919	0.033654	31.708	31.827	31.902	0.050183	-0.1078	-0.02801	0.0534	0.057638

Device Test: 24.38 T_FAULT_DELAY(TIMING|DELAY/FAULT/4.5//34.8k//@T_FAULT_DELAY)





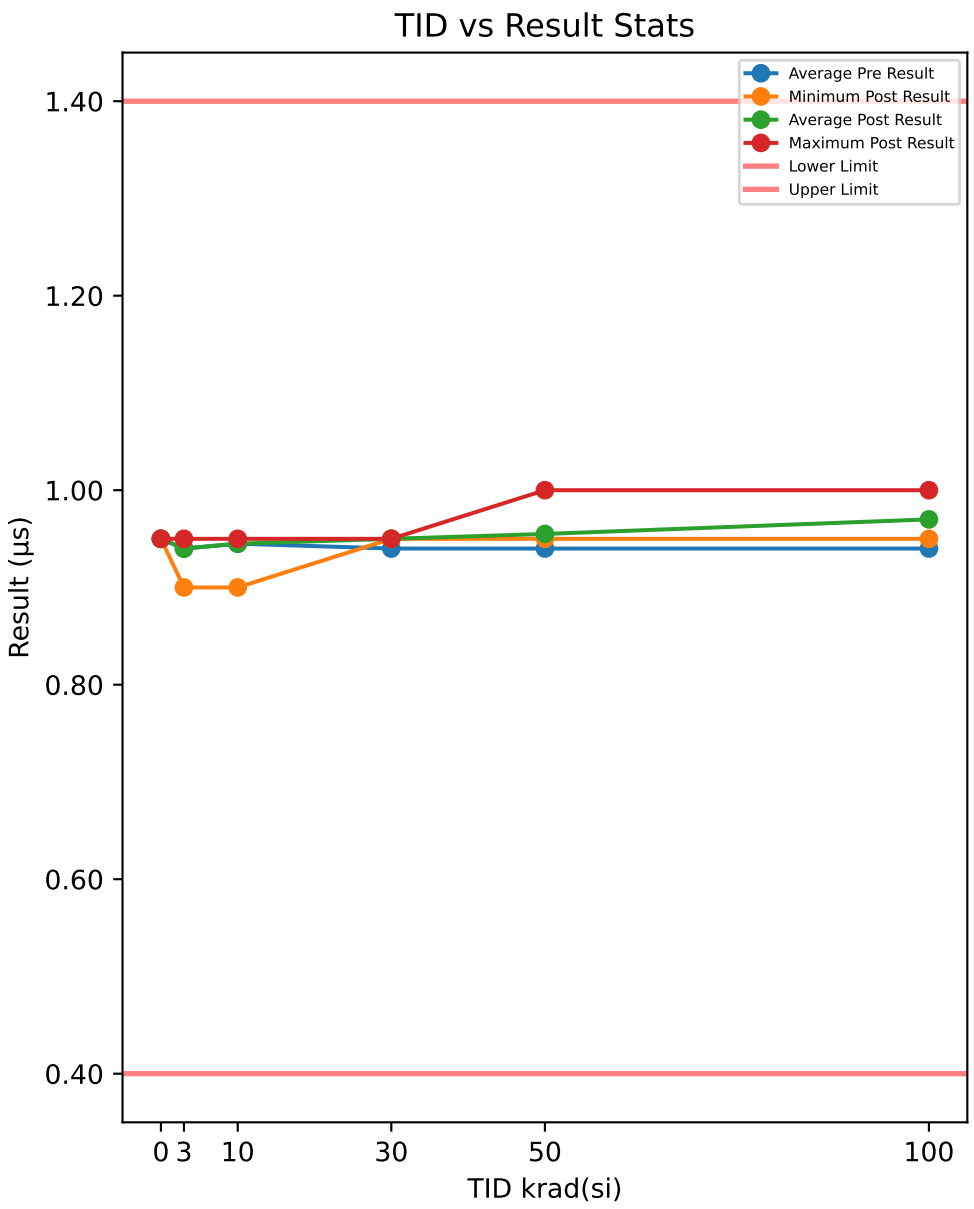
Test Results (Lower Limit = 26.0, Upper Limit = 44.0 ((1/fsw) s))

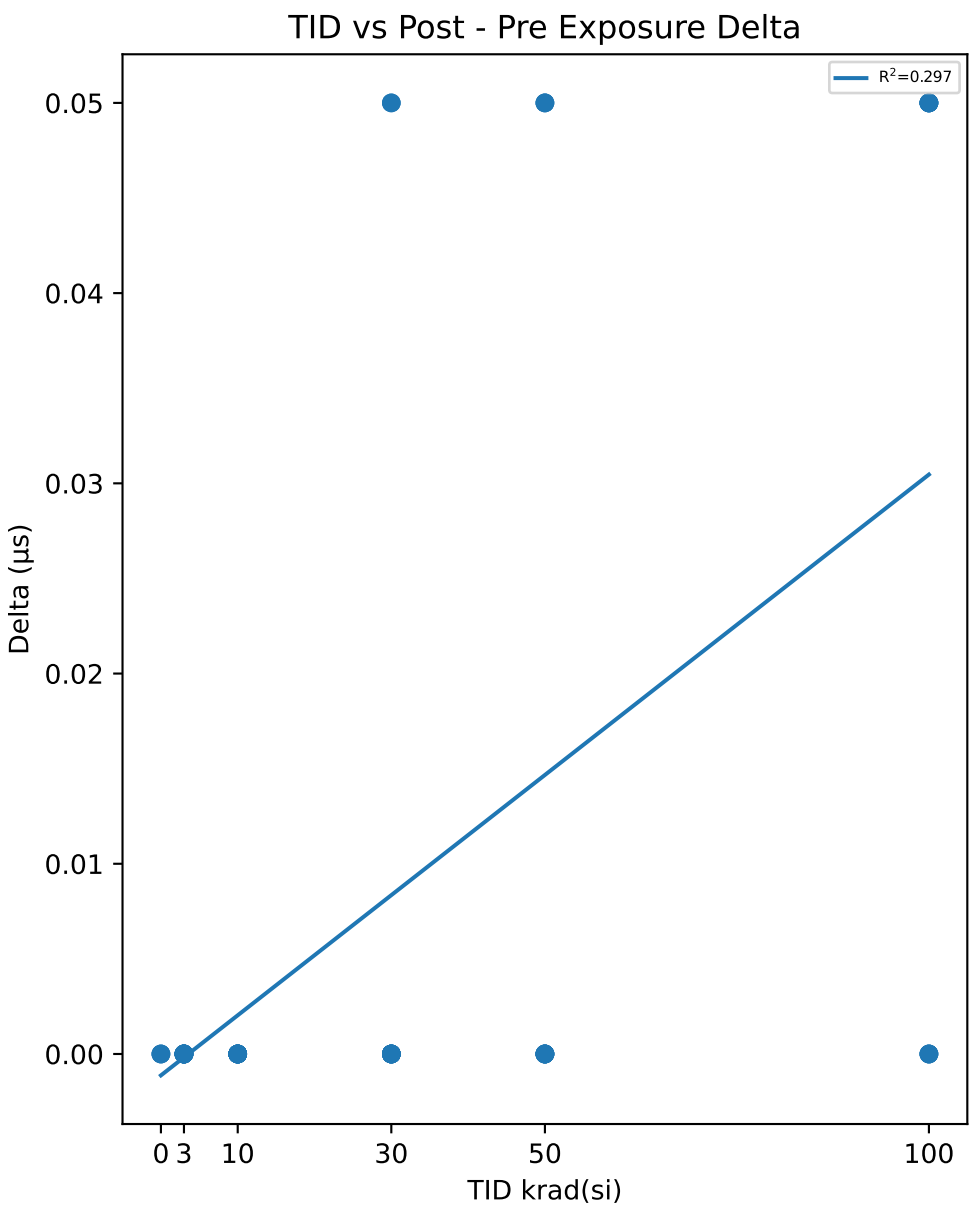
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
390	100	Biased	32.174	32.095	-0.0794
392	100	Biased	32.73	31.396	-1.3342
393	100	Biased	32.501	33.261	0.7603
394	100	Biased	32.192	32.144	-0.0477
395	100	Biased	32.349	32.762	0.4129
412	100	Unbiased	32.705	31.706	-0.9993
413	100	Unbiased	33.129	33.066	-0.063
414	100	Unbiased	32.139	32.259	0.1201
415	100	Unbiased	32.26	32.39	0.1308
416	100	Unbiased	32.775	31.779	-0.9967
417	50	Biased	32.088	32.108	0.0202
418	50	Biased	32.093	32.069	-0.0247
419	50	Biased	32.66	32.027	-0.6338
421	50	Biased	32.643	32.933	0.2892
422	50	Biased	32.612	32.241	-0.3711
423	50	Unbiased	32.128	32.157	0.0291
424	50	Unbiased	32.838	33.154	0.3158
425	50	Unbiased	32.038	32.097	0.0589
426	50	Unbiased	32.129	32.121	-0.007
427	50	Unbiased	32.495	32.648	0.1532
463	0	Corr	32.527	32.111	-0.416
464	0	Corr	32.425	32.374	-0.051
465	0	Corr	32.834	32.728	-0.1055
466	30	Biased	32.157	32.181	0.0236
469	30	Biased	32.143	32.128	-0.0148
470	30	Biased	32.884	32.472	-0.4118
472	30	Biased	32.249	32.036	-0.2125
474	30	Biased	32.079	32.138	0.0588
475	30	Unbiased	32.208	32.142	-0.0657
477	30	Unbiased	32.435	32.046	-0.3885
478	30	Unbiased	32.083	32.063	-0.02
479	30	Unbiased	32.56	32.481	-0.0793
480	30	Unbiased	32.142	32.081	-0.0606
481	10	Biased	33.062	32.675	-0.3866
482	10	Biased	32.43	32.367	-0.0626
483	10	Biased	33.127	33.199	0.0721
484	10	Biased	32.656	32.592	-0.0643
485	10	Biased	32.456	32.256	-0.2005
487	10	Unbiased	32.178	32.037	-0.1415
488	10	Unbiased	32.813	32.526	-0.2864
489	10	Unbiased	32.489	32.373	-0.1155
490	10	Unbiased	32.367	32.048	-0.3182
491	10	Unbiased	32.822	32.774	-0.0489
492	3	Biased	32.179	32.122	-0.0564
493	3	Biased	32.243	32.083	-0.1604
494	3	Biased	32.632	32.604	-0.0275
495	3	Biased	32.138	32.035	-0.1038
496	3	Biased	32.15	32.118	-0.0314
497	3	Unbiased	32.45	32.37	-0.0806
498	3	Unbiased	32.07	32.066	-0.0038
499	3	Unbiased	32.179	32.087	-0.092
500	3	Unbiased	32.204	32.127	-0.0772
502	3	Unbiased	32.758	32.744	-0.0132

Test Statistics ((1/fsw) s)

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	32.425	32.595	32.834	0.21269	32.111	32.405	32.728	0.30963	-0.416	-0.19083	-0.051	0.19689
3	32.07	32.3	32.758	0.23226	32.035	32.236	32.744	0.25073	-0.1604	-0.06463	-0.0038	0.048033
10	32.178	32.64	33.127	0.31041	32.037	32.485	33.199	0.35169	-0.3866	-0.15524	0.0721	0.14179
30	32.079	32.294	32.884	0.2589	32.036	32.177	32.481	0.16444	-0.4118	-0.11708	0.0588	0.16583
50	32.038	32.372	32.838	0.30474	32.027	32.355	33.154	0.40582	-0.6338	-0.01702	0.3158	0.28843
100	32.139	32.495	33.129	0.3296	31.396	32.286	33.261	0.6001	-1.3342	-0.20962	0.7603	0.67703

Device Test: 24.39 T_FAULT_MIN(TIMING|MINON/FAULT/4.5//511k//@T_FAULT_MIN)





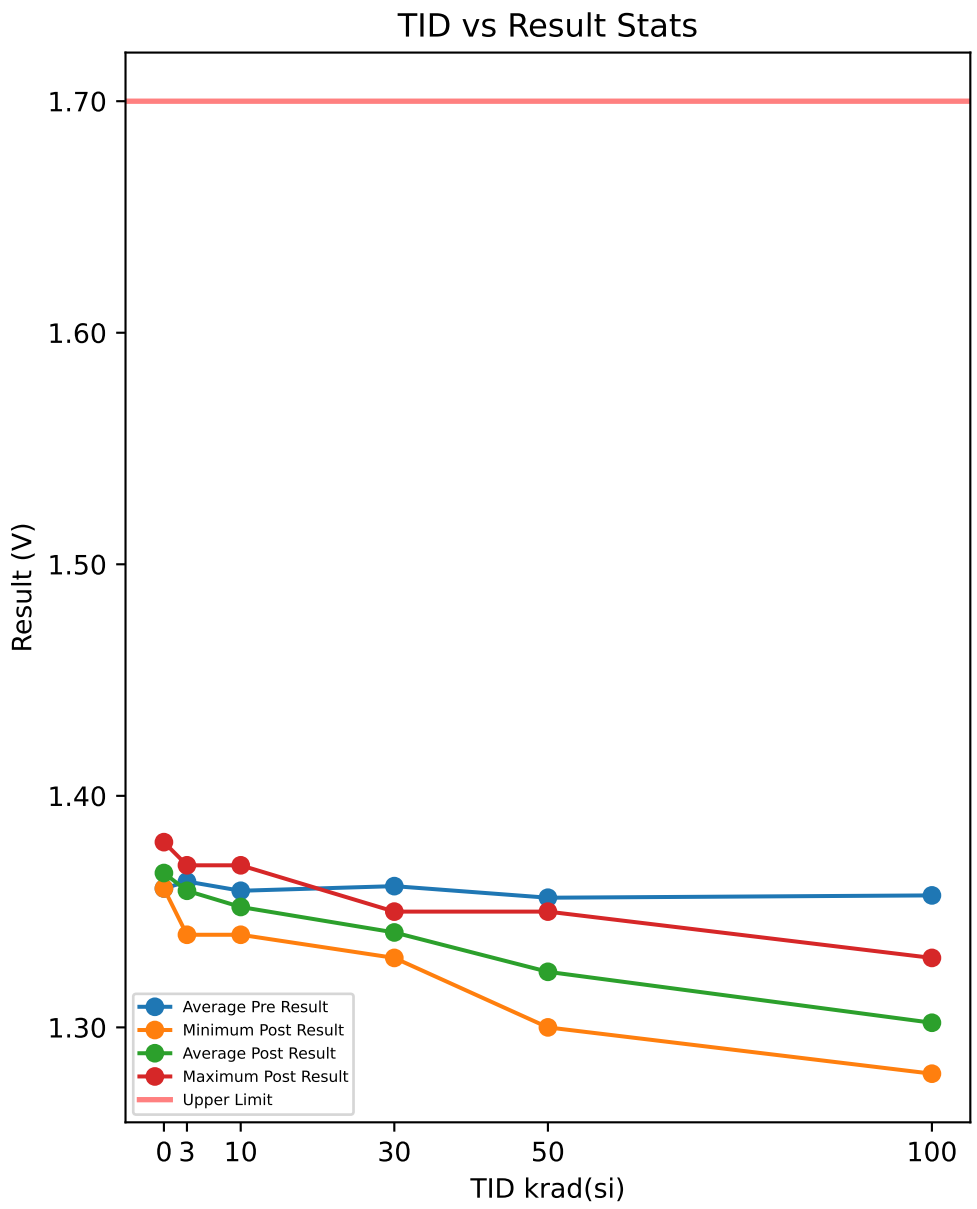
Test Results (Lower Limit = 0.4, Upper Limit = 1.4 (µs))

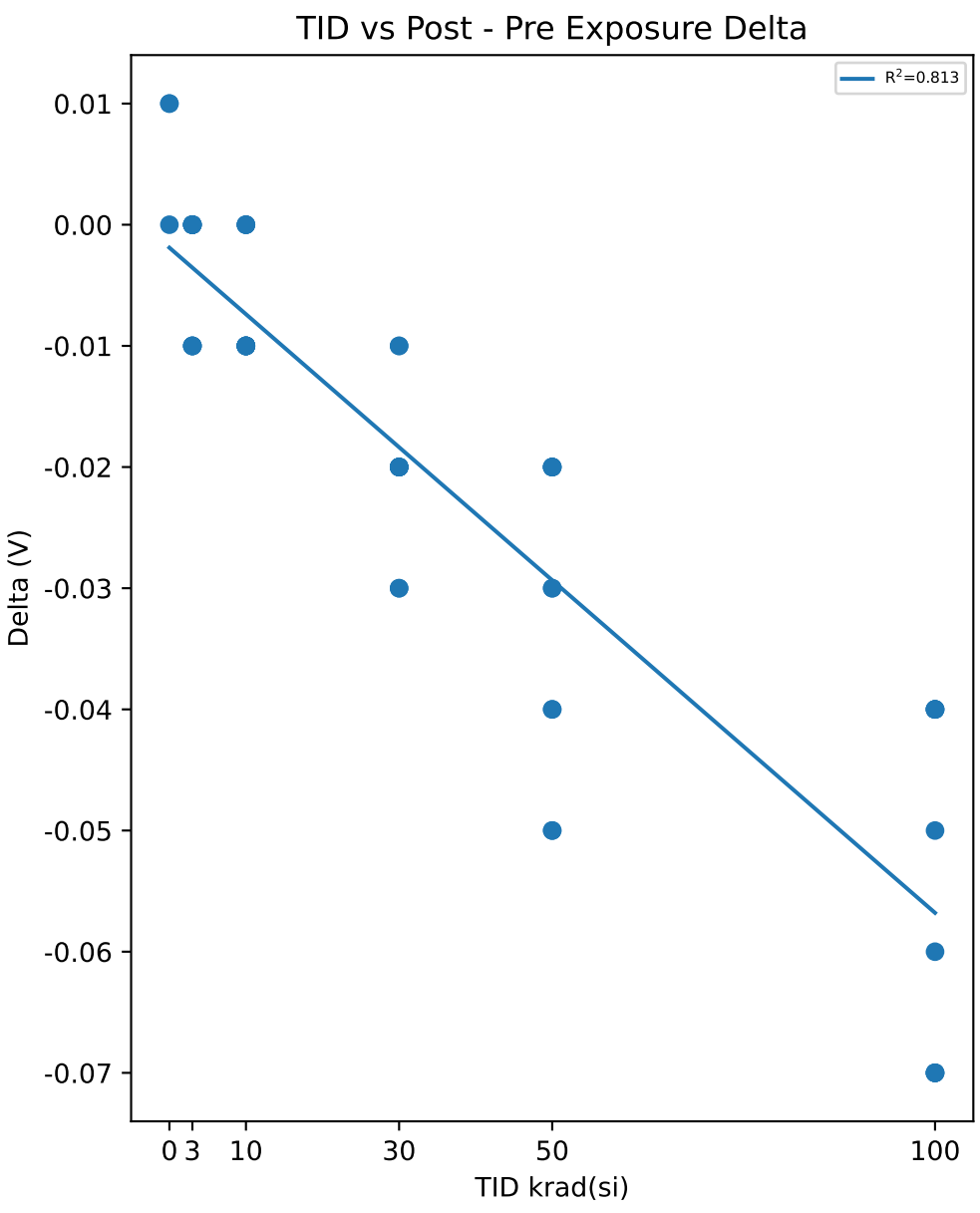
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
390	100	Biased	0.9	0.95	0.05
392	100	Biased	0.95	0.95	0
393	100	Biased	0.95	0.95	0
394	100	Biased	0.9	0.95	0.05
395	100	Biased	0.95	0.95	0
412	100	Unbiased	0.95	1	0.05
413	100	Unbiased	0.95	1	0.05
414	100	Unbiased	0.95	0.95	0
415	100	Unbiased	0.95	1	0.05
416	100	Unbiased	0.95	1	0.05
417	50	Biased	0.9	0.95	0.05
418	50	Biased	0.95	0.95	0
419	50	Biased	0.95	0.95	0
421	50	Biased	0.95	0.95	0
422	50	Biased	0.95	0.95	0
423	50	Unbiased	0.95	0.95	0
424	50	Unbiased	0.95	1	0.05
425	50	Unbiased	0.95	0.95	0
426	50	Unbiased	0.9	0.95	0.05
427	50	Unbiased	0.95	0.95	0
463	0	Corr	0.95	0.95	0
464	0	Corr	0.95	0.95	0
465	0	Corr	0.95	0.95	0
466	30	Biased	0.95	0.95	0
469	30	Biased	0.95	0.95	0
470	30	Biased	0.95	0.95	0
472	30	Biased	0.9	0.95	0.05
474	30	Biased	0.95	0.95	0
475	30	Unbiased	0.95	0.95	0
477	30	Unbiased	0.95	0.95	0
478	30	Unbiased	0.9	0.95	0.05
479	30	Unbiased	0.95	0.95	0
480	30	Unbiased	0.95	0.95	0
481	10	Biased	0.95	0.95	0
482	10	Biased	0.95	0.95	0
483	10	Biased	0.95	0.95	0
484	10	Biased	0.95	0.95	0
485	10	Biased	0.95	0.95	0
487	10	Unbiased	0.9	0.9	0
488	10	Unbiased	0.95	0.95	0
489	10	Unbiased	0.95	0.95	0
490	10	Unbiased	0.95	0.95	0
491	10	Unbiased	0.95	0.95	0
492	3	Biased	0.95	0.95	0
493	3	Biased	0.95	0.95	0
494	3	Biased	0.95	0.95	0
495	3	Biased	0.95	0.95	0
496	3	Biased	0.9	0.9	0
497	3	Unbiased	0.95	0.95	0
498	3	Unbiased	0.9	0.9	0
499	3	Unbiased	0.95	0.95	0
500	3	Unbiased	0.95	0.95	0
502	3	Unbiased	0.95	0.95	0

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	0.95	0.95	0.95	0	0.95	0.95	0.95	0	0	0	0	0
3	0.9	0.94	0.95	0.021082	0.9	0.94	0.95	0.021082	0	0	0	0
10	0.9	0.945	0.95	0.015811	0.9	0.945	0.95	0.015811	0	0	0	0
30	0.9	0.94	0.95	0.021082	0.95	0.95	0.95	0	0	0.01	0.05	0.021082
50	0.9	0.94	0.95	0.021082	0.95	0.955	1	0.015811	0	0.015	0.05	0.024152
100	0.9	0.94	0.95	0.021082	0.95	0.97	1	0.02582	0	0.03	0.05	0.02582

Device Test: 24.4 SYNC1_VIH(THRESHOLD|RISE/SYNC1/4.5//OPEN//@SYNC1_VIH)





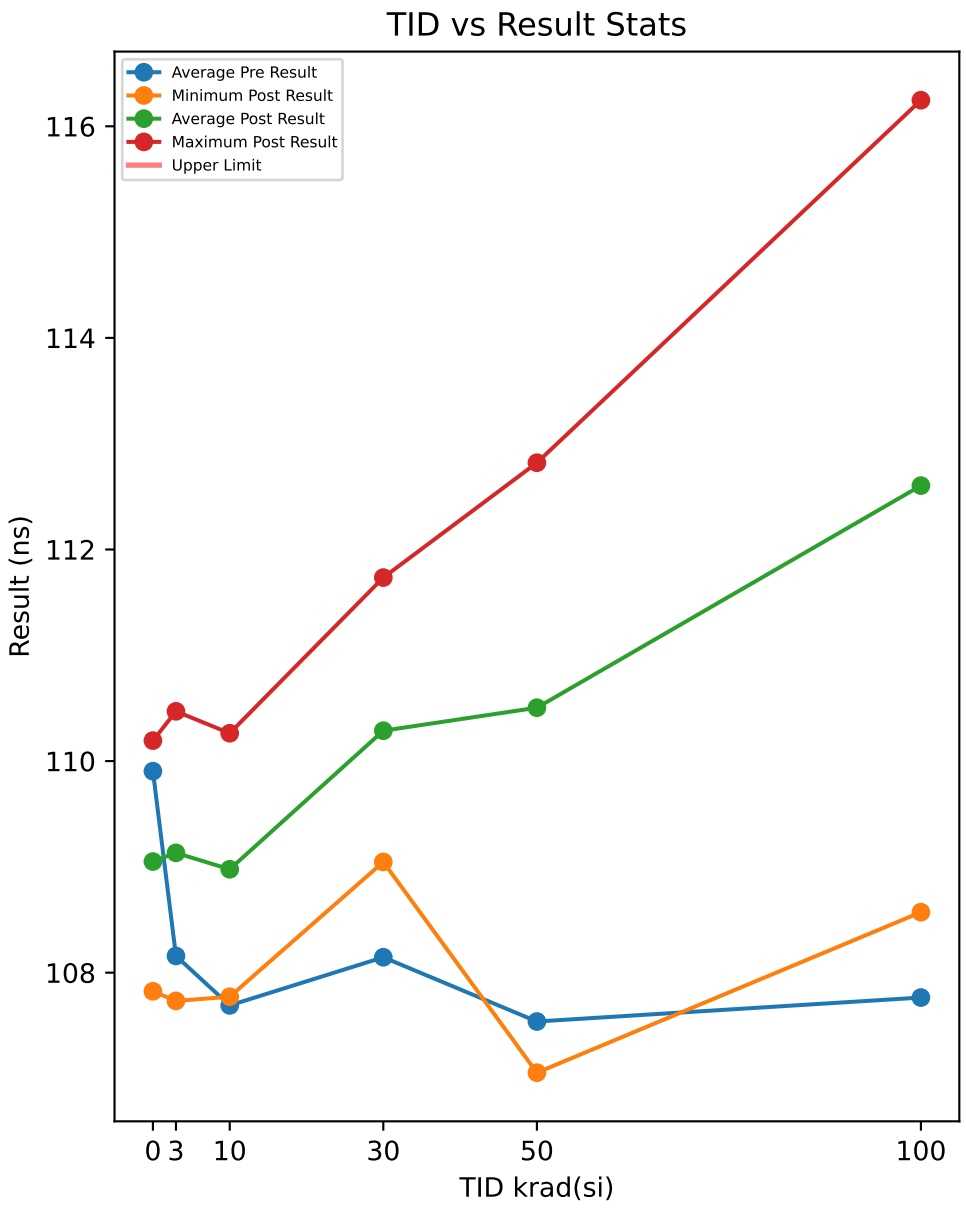
Test Results (Upper Limit = 1.7 (V))

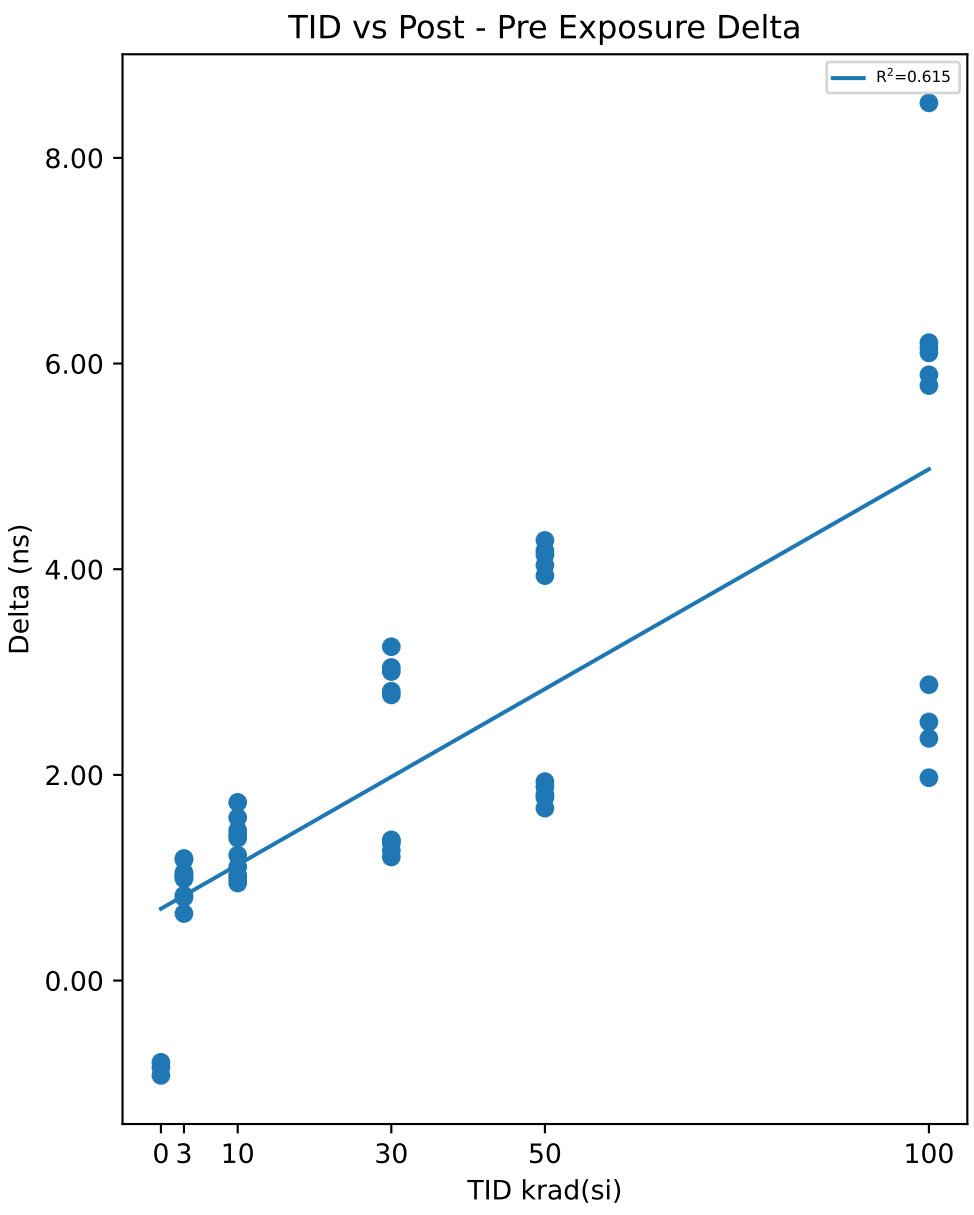
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
390	100	Biased	1.36	1.32	-0.04
392	100	Biased	1.36	1.31	-0.05
393	100	Biased	1.36	1.32	-0.04
394	100	Biased	1.36	1.32	-0.04
395	100	Biased	1.37	1.33	-0.04
412	100	Unbiased	1.35	1.28	-0.07
413	100	Unbiased	1.34	1.28	-0.06
414	100	Unbiased	1.37	1.3	-0.07
415	100	Unbiased	1.35	1.28	-0.07
416	100	Unbiased	1.35	1.28	-0.07
417	50	Biased	1.36	1.34	-0.02
418	50	Biased	1.38	1.35	-0.03
419	50	Biased	1.35	1.33	-0.02
421	50	Biased	1.35	1.33	-0.02
422	50	Biased	1.35	1.33	-0.02
423	50	Unbiased	1.35	1.3	-0.05
424	50	Unbiased	1.35	1.3	-0.05
425	50	Unbiased	1.36	1.32	-0.04
426	50	Unbiased	1.35	1.32	-0.03
427	50	Unbiased	1.36	1.32	-0.04
463	0	Corr	1.36	1.36	0
464	0	Corr	1.35	1.36	0.01
465	0	Corr	1.37	1.38	0.01
466	30	Biased	1.36	1.34	-0.02
469	30	Biased	1.34	1.33	-0.01
470	30	Biased	1.36	1.34	-0.02
472	30	Biased	1.36	1.35	-0.01
474	30	Biased	1.36	1.34	-0.02
475	30	Unbiased	1.37	1.34	-0.03
477	30	Unbiased	1.37	1.35	-0.02
478	30	Unbiased	1.37	1.34	-0.03
479	30	Unbiased	1.36	1.34	-0.02
480	30	Unbiased	1.36	1.34	-0.02
481	10	Biased	1.37	1.37	0
482	10	Biased	1.37	1.36	-0.01
483	10	Biased	1.35	1.34	-0.01
484	10	Biased	1.36	1.35	-0.01
485	10	Biased	1.36	1.36	0
487	10	Unbiased	1.36	1.36	0
488	10	Unbiased	1.35	1.34	-0.01
489	10	Unbiased	1.37	1.36	-0.01
490	10	Unbiased	1.35	1.34	-0.01
491	10	Unbiased	1.35	1.34	-0.01
492	3	Biased	1.37	1.37	0
493	3	Biased	1.35	1.34	-0.01
494	3	Biased	1.36	1.36	0
495	3	Biased	1.36	1.35	-0.01
496	3	Biased	1.36	1.36	0
497	3	Unbiased	1.37	1.37	0
498	3	Unbiased	1.36	1.36	0
499	3	Unbiased	1.37	1.37	0
500	3	Unbiased	1.37	1.36	-0.01
502	3	Unbiased	1.36	1.35	-0.01

Test Statistics (V)

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	1.35	1.36	1.37	0.01	1.36	1.3667	1.38	0.011547	0	0.0066667	0.01	0.0057735
3	1.35	1.363	1.37	0.0067495	1.34	1.359	1.37	0.0099443	-0.01	-0.004	0	0.005164
10	1.35	1.359	1.37	0.008756	1.34	1.352	1.37	0.011353	-0.01	-0.007	0	0.0048305
30	1.34	1.361	1.37	0.008756	1.33	1.341	1.35	0.0056765	-0.03	-0.02	-0.01	0.0066667
50	1.35	1.356	1.38	0.0096609	1.3	1.324	1.35	0.015776	-0.05	-0.032	-0.02	0.012293
100	1.34	1.357	1.37	0.0094868	1.28	1.302	1.33	0.02044	-0.07	-0.055	-0.04	0.014337

Device Test: 24.40 T_DEAD(TIMING|DELAY/SW/4.5//511k//@T_DEAD)





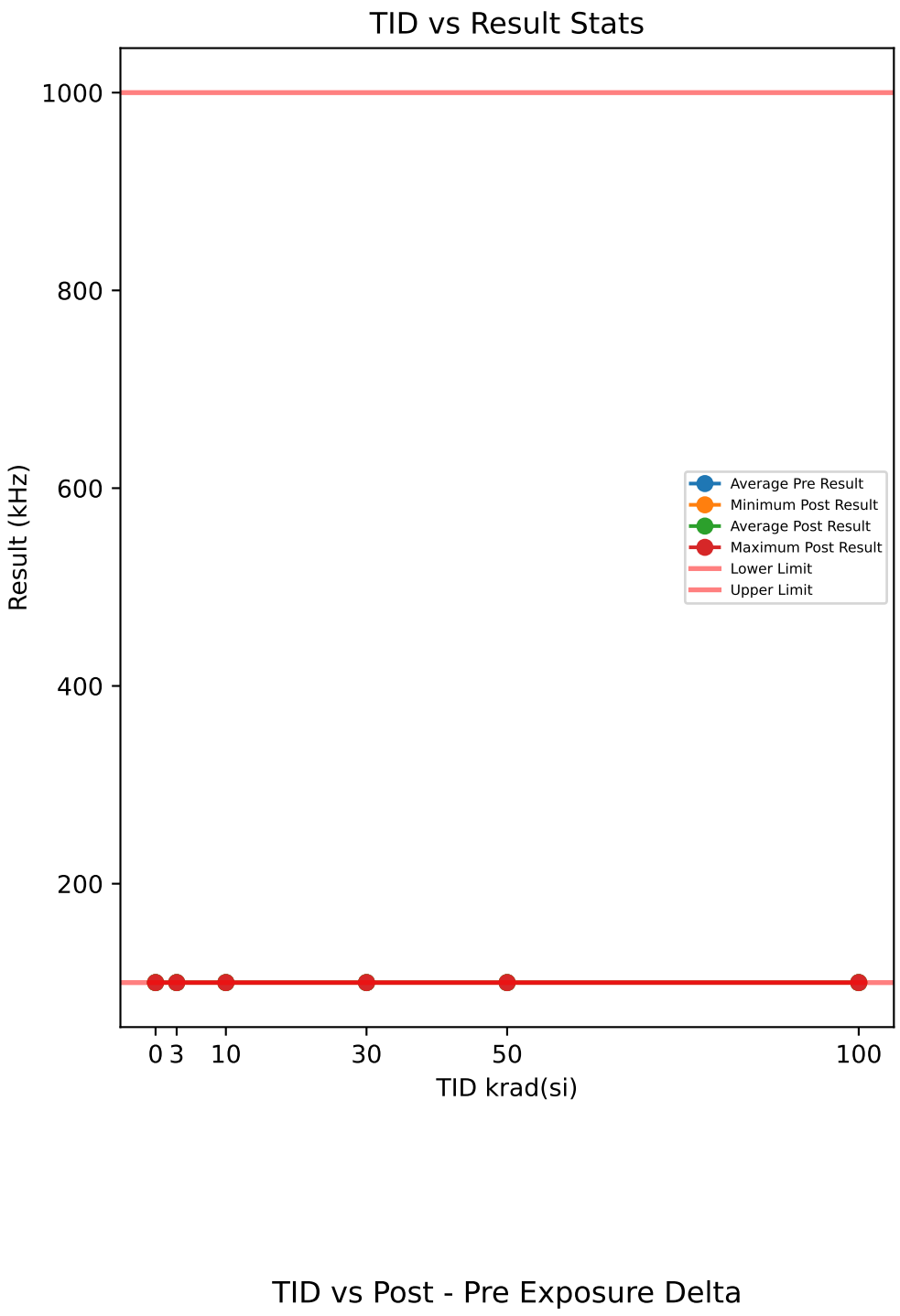
Test Results (No Limits Specified (ns))

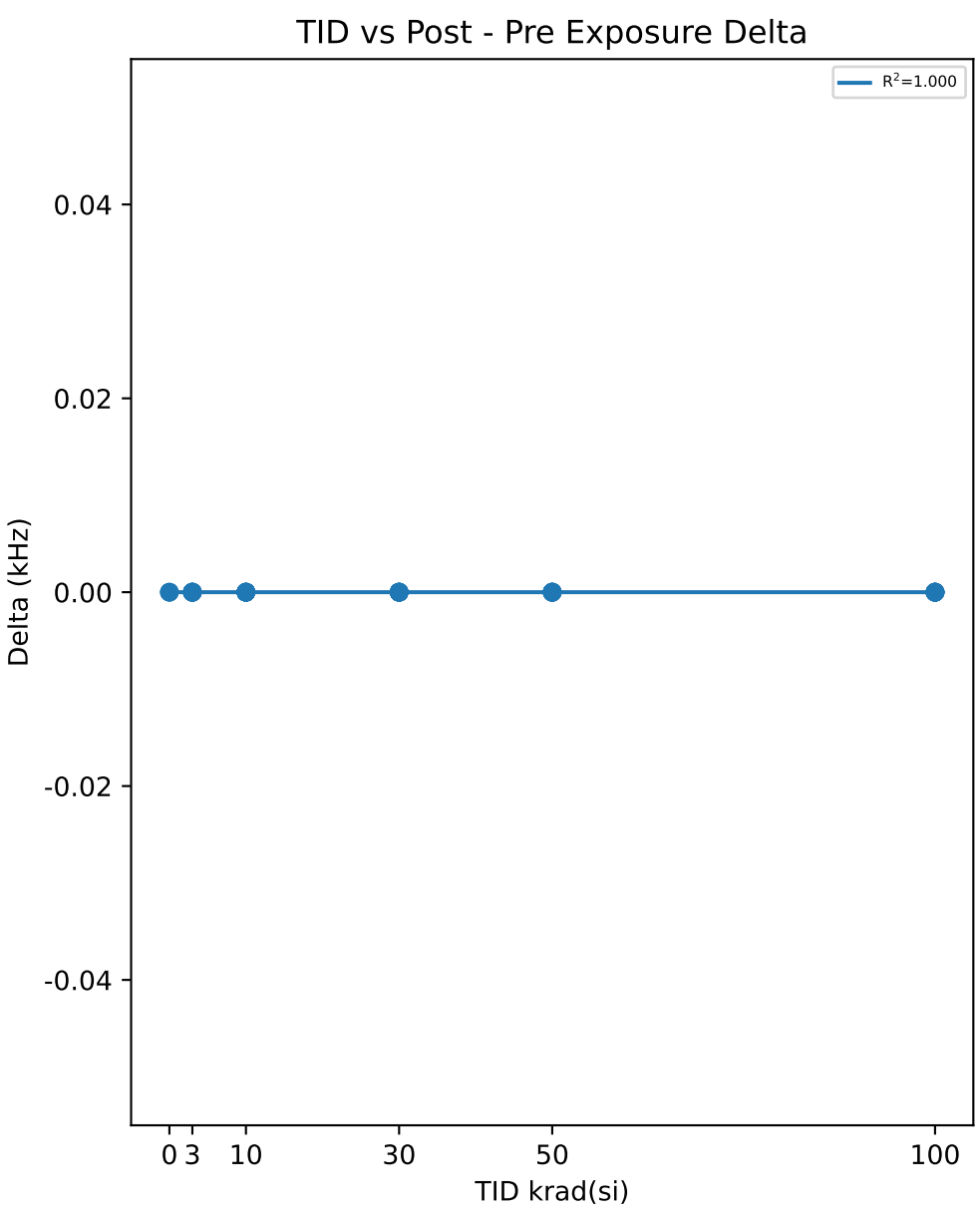
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
390	100	Biased	108.39	114.18	5.7859
392	100	Biased	108.32	114.42	6.1037
393	100	Biased	107.74	113.94	6.2034
394	100	Biased	109.41	115.56	6.1502
395	100	Biased	107.08	112.97	5.8907
412	100	Unbiased	107.19	109.7	2.5149
413	100	Unbiased	106.22	108.57	2.3552
414	100	Unbiased	108.48	111.36	2.877
415	100	Unbiased	107.71	116.25	8.5347
416	100	Unbiased	107.12	109.09	1.9725
417	50	Biased	108.47	112.75	4.2801
418	50	Biased	107.98	112.02	4.0391
419	50	Biased	107.29	111.47	4.1807
421	50	Biased	105.97	109.9	3.9375
422	50	Biased	108.68	112.82	4.1391
423	50	Unbiased	106.9	108.78	1.8837
424	50	Unbiased	105.27	107.05	1.7796
425	50	Unbiased	108.53	110.2	1.6768
426	50	Unbiased	108.44	110.38	1.9349
427	50	Unbiased	107.86	109.67	1.8086
463	0	Corr	108.67	107.82	-0.8452
464	0	Corr	109.93	109.13	-0.795
465	0	Corr	111.12	110.19	-0.9222
466	30	Biased	107.88	110.92	3.0444
469	30	Biased	106.85	109.63	2.7773
470	30	Biased	107.88	111.13	3.2462
472	30	Biased	107.47	110.28	2.8141
474	30	Biased	108.73	111.73	3.0049
475	30	Unbiased	109.29	110.55	1.2652
477	30	Unbiased	108.78	110.11	1.3359
478	30	Unbiased	108.77	110.13	1.3562
479	30	Unbiased	107.85	109.05	1.2013
480	30	Unbiased	107.97	109.34	1.3684
481	10	Biased	107.14	108.87	1.7328
482	10	Biased	107.75	109.33	1.5847
483	10	Biased	106.31	107.77	1.4611
484	10	Biased	107.13	108.54	1.4148
485	10	Biased	107.67	109.05	1.3854
487	10	Unbiased	109.31	110.26	0.9482
488	10	Unbiased	108.56	109.59	1.0231
489	10	Unbiased	108.3	109.41	1.1052
490	10	Unbiased	108.17	109.17	0.9917
491	10	Unbiased	106.56	107.78	1.2199
492	3	Biased	108.87	109.88	1.0101
493	3	Biased	107.26	108.26	1.0045
494	3	Biased	108.35	109.54	1.1875
495	3	Biased	108.59	109.64	1.0508
496	3	Biased	107.99	108.98	0.9905
497	3	Unbiased	108.19	109.02	0.8292
498	3	Unbiased	108.99	109.64	0.6519
499	3	Unbiased	109.66	110.47	0.8076
500	3	Unbiased	107.13	108.16	1.0344
502	3	Unbiased	106.56	107.73	1.1754

Test Statistics (ns)

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	108.67	109.9	111.12	1.2234	107.82	109.05	110.19	1.1869	-0.9222	-0.85413	-0.795	0.064069
3	106.56	108.16	109.66	0.95124	107.73	109.13	110.47	0.86409	0.6519	0.97419	1.1875	0.16687
10	106.31	107.69	109.31	0.93216	107.77	108.98	110.26	0.77911	0.9482	1.2867	1.7328	0.26934
30	106.85	108.15	109.29	0.73363	109.05	110.29	111.73	0.83026	1.2013	2.1414	3.2462	0.8915
50	105.27	107.54	108.68	1.1704	107.05	110.5	112.82	1.8152	1.6768	2.966	4.2801	1.2164
100	106.22	107.76	109.41	0.91491	108.57	112.6	116.25	2.7548	1.9725	4.8388	8.5347	2.2231

Device Test: 24.41 SYNC_FREQ_RANGE(FREQ|100kHz/SYNC1/5//OPEN//@SYNC_FREQ_RANGE)





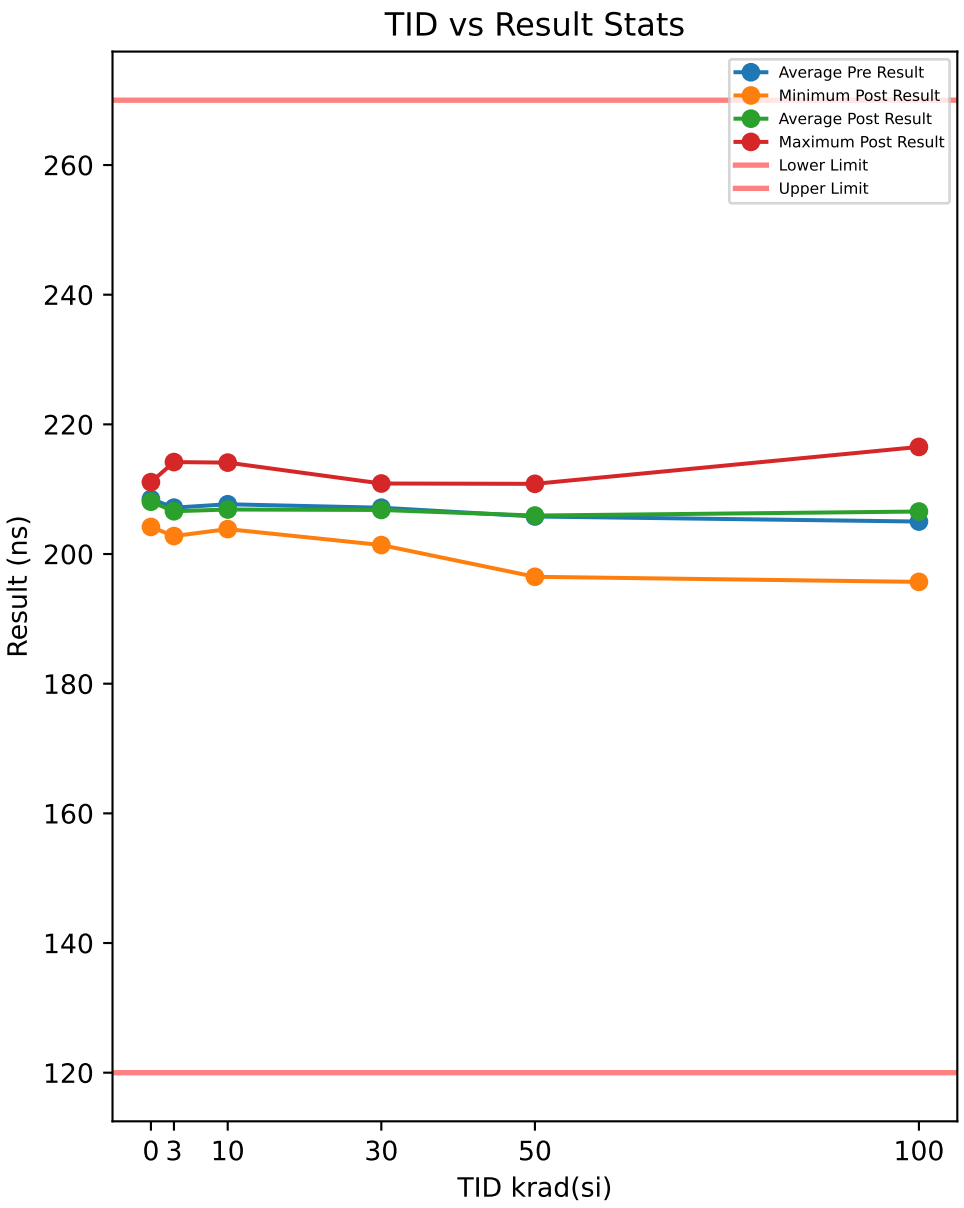
Test Results (Lower Limit = 100.0, Upper Limit = 1000.0 (kHz))

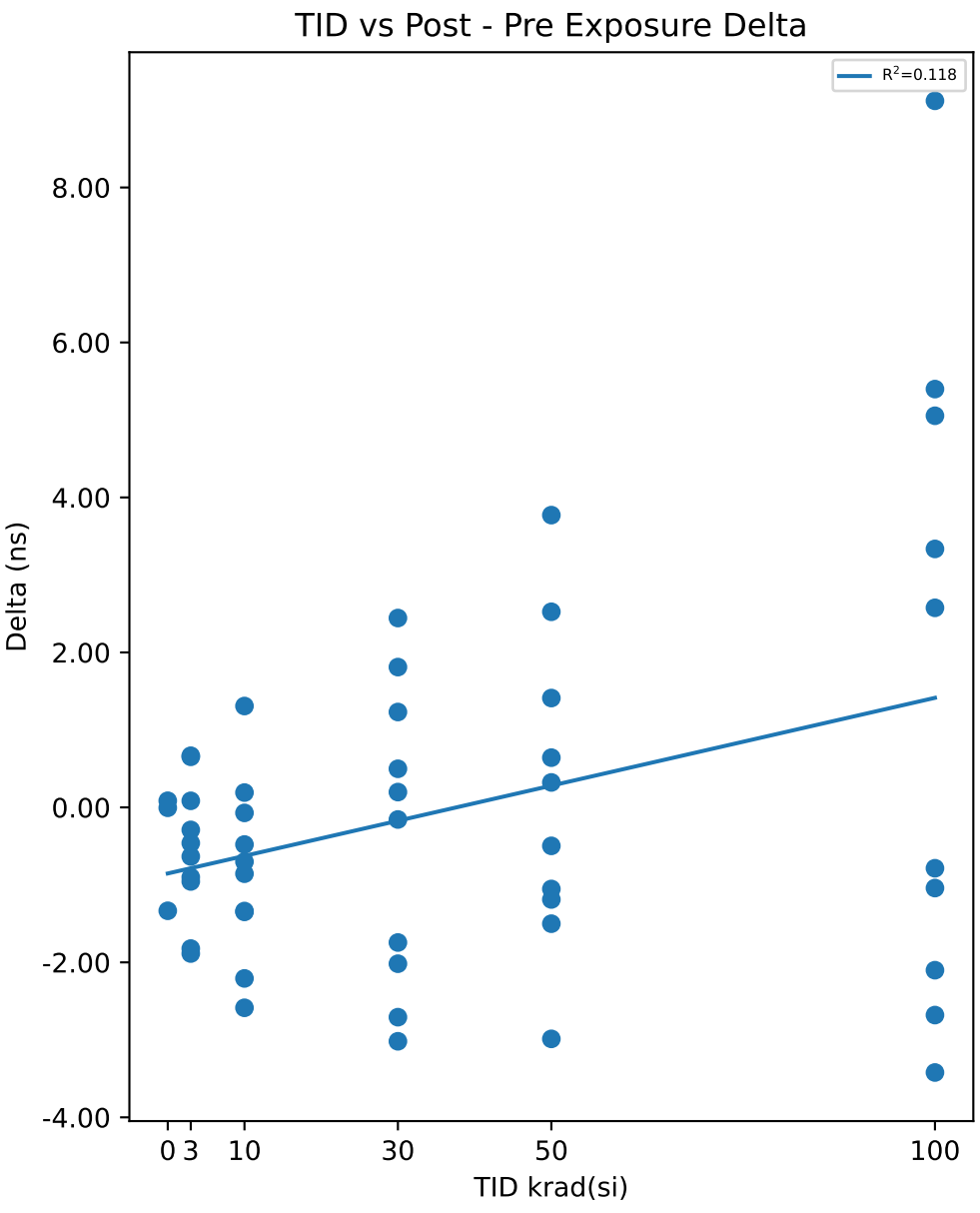
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
390	100	Biased	100	100	0
392	100	Biased	100	100	0
393	100	Biased	100	100	0
394	100	Biased	100	100	0
395	100	Biased	100	100	0
412	100	Unbiased	100	100	0
413	100	Unbiased	100	100	0
414	100	Unbiased	100	100	0
415	100	Unbiased	100	100	0
416	100	Unbiased	100	100	0
417	50	Biased	100	100	0
418	50	Biased	100	100	0
419	50	Biased	100	100	0
421	50	Biased	100	100	0
422	50	Biased	100	100	0
423	50	Unbiased	100	100	0
424	50	Unbiased	100	100	0
425	50	Unbiased	100	100	0
426	50	Unbiased	100	100	0
427	50	Unbiased	100	100	0
463	0	Corr	100	100	0
464	0	Corr	100	100	0
465	0	Corr	100	100	0
466	30	Biased	100	100	0
469	30	Biased	100	100	0
470	30	Biased	100	100	0
472	30	Biased	100	100	0
474	30	Biased	100	100	0
475	30	Unbiased	100	100	0
477	30	Unbiased	100	100	0
478	30	Unbiased	100	100	0
479	30	Unbiased	100	100	0
480	30	Unbiased	100	100	0
481	10	Biased	100	100	0
482	10	Biased	100	100	0
483	10	Biased	100	100	0
484	10	Biased	100	100	0
485	10	Biased	100	100	0
487	10	Unbiased	100	100	0
488	10	Unbiased	100	100	0
489	10	Unbiased	100	100	0
490	10	Unbiased	100	100	0
491	10	Unbiased	100	100	0
492	3	Biased	100	100	0
493	3	Biased	100	100	0
494	3	Biased	100	100	0
495	3	Biased	100	100	0
496	3	Biased	100	100	0
497	3	Unbiased	100	100	0
498	3	Unbiased	100	100	0
499	3	Unbiased	100	100	0
500	3	Unbiased	100	100	0
502	3	Unbiased	100	100	0

Test Statistics (kHz)

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

Device Test: 24.42 SYNC1_SW_DELAY(TIMING|DELAY/SYNC1/5//OPEN//@SYNC1_SW_DELAY)





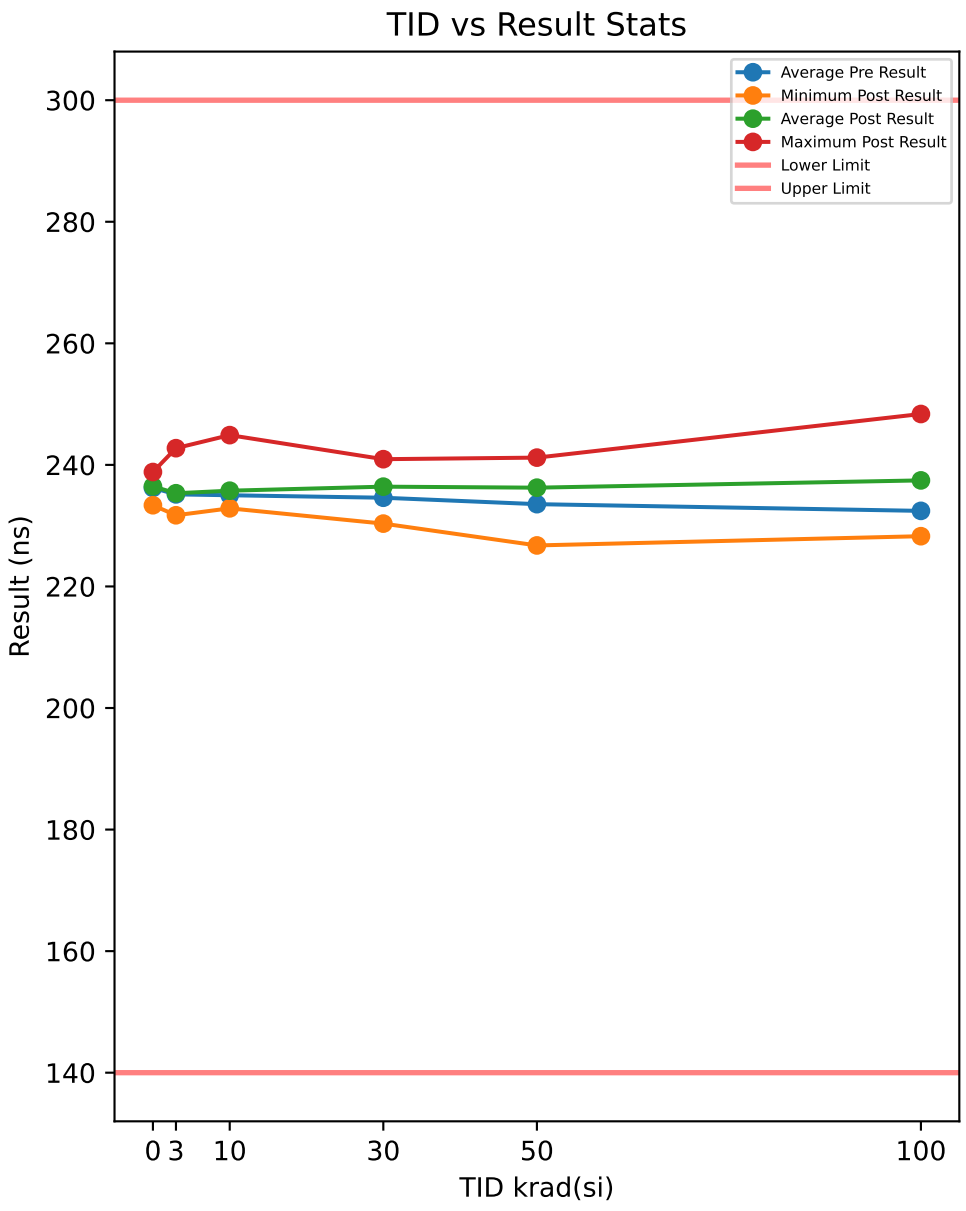
Test Results (Lower Limit = 120.0, Upper Limit = 270.0 (ns))

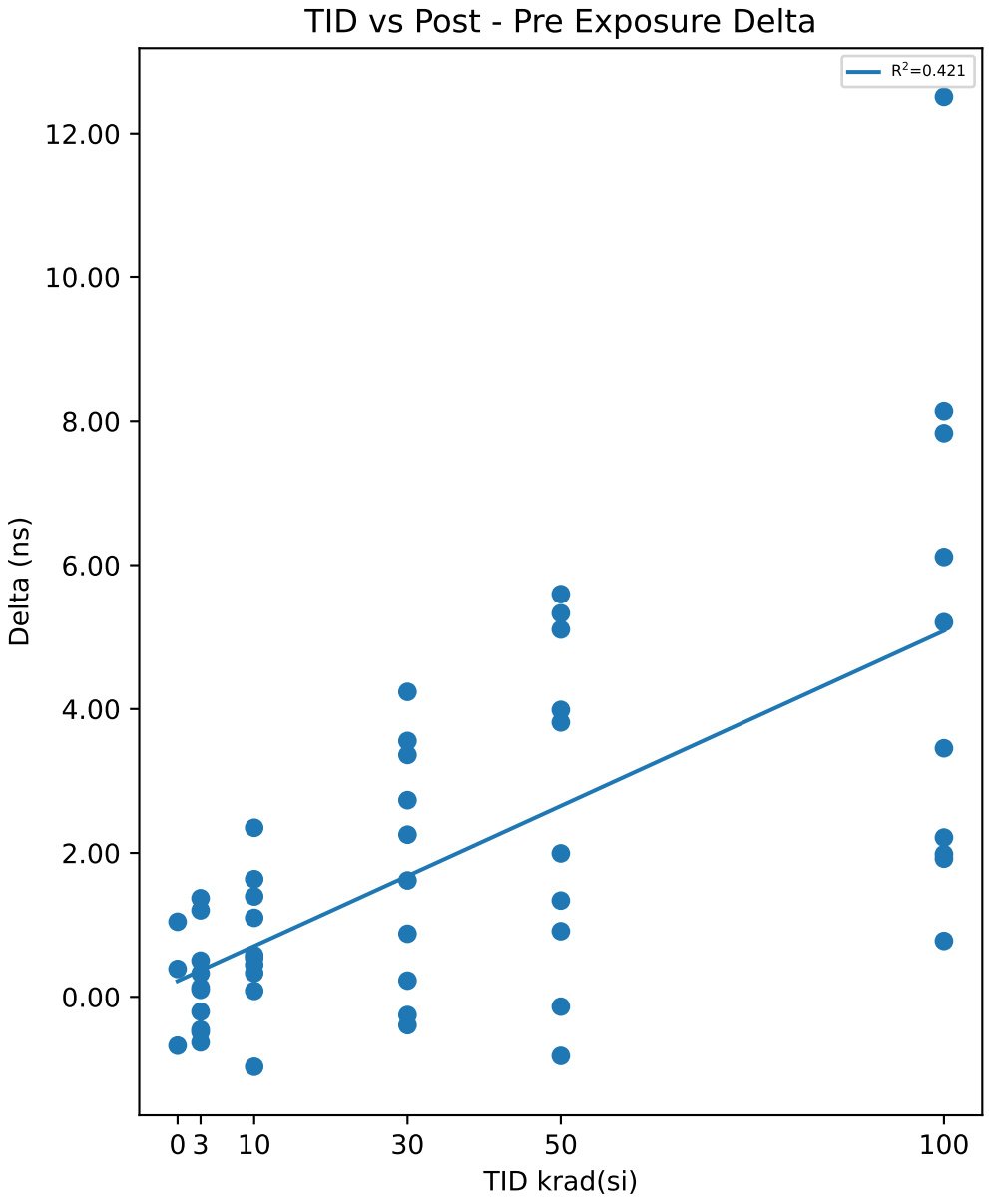
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
390	100	Biased	202.26	201.47	-0.7855
392	100	Biased	203.84	209.24	5.3984
393	100	Biased	201.37	204.7	3.3356
394	100	Biased	203.62	206.2	2.5754
395	100	Biased	205.74	210.79	5.0541
412	100	Unbiased	209.06	206.38	-2.6802
413	100	Unbiased	197.8	195.7	-2.1011
414	100	Unbiased	209.86	208.82	-1.041
415	100	Unbiased	207.4	216.52	9.1184
416	100	Unbiased	209.16	205.74	-3.4213
417	50	Biased	206.72	208.13	1.4112
418	50	Biased	210.51	210.83	0.322
419	50	Biased	201.83	204.35	2.5243
421	50	Biased	205.32	205.96	0.6419
422	50	Biased	206.66	210.43	3.7718
423	50	Unbiased	209.11	206.12	-2.9873
424	50	Unbiased	204.56	203.06	-1.5009
425	50	Unbiased	209.1	208.04	-1.0529
426	50	Unbiased	206.44	205.94	-0.4965
427	50	Unbiased	197.68	196.49	-1.1882
463	0	Corr	205.51	204.18	-1.3343
464	0	Corr	208.95	208.95	-0.0052
465	0	Corr	211	211.09	0.0857
466	30	Biased	210.17	210.67	0.4982
469	30	Biased	200.31	201.54	1.2309
470	30	Biased	205.66	207.47	1.8107
472	30	Biased	207.53	207.37	-0.1561
474	30	Biased	208.43	210.88	2.4437
475	30	Unbiased	209.33	207.59	-1.7437
477	30	Unbiased	213.26	210.55	-2.7074
478	30	Unbiased	203.4	201.39	-2.0174
479	30	Unbiased	206.5	203.49	-3.0185
480	30	Unbiased	206.84	207.03	0.1976
481	10	Biased	209.75	208.9	-0.8559
482	10	Biased	207.6	207.12	-0.4789
483	10	Biased	205.29	205.22	-0.0711
484	10	Biased	206.36	206.55	0.1912
485	10	Biased	204.22	205.53	1.3082
487	10	Unbiased	207.72	206.37	-1.3485
488	10	Unbiased	207.71	205.5	-2.2072
489	10	Unbiased	205.18	203.84	-1.3377
490	10	Unbiased	216.69	214.1	-2.5864
491	10	Unbiased	206.23	205.53	-0.701
492	3	Biased	205.75	205.46	-0.2904
493	3	Biased	205.17	205.25	0.0848
494	3	Biased	203.17	203.84	0.6667
495	3	Biased	203.67	202.77	-0.9011
496	3	Biased	208.87	208.41	-0.4605
497	3	Unbiased	208.98	207.16	-1.822
498	3	Unbiased	204.79	205.45	0.6528
499	3	Unbiased	216.07	214.19	-1.8859
500	3	Unbiased	209.33	208.37	-0.9558
502	3	Unbiased	205.72	205.09	-0.6334

Test Statistics (ns)

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	205.51	208.49	211	2.7748	204.18	208.07	211.09	3.5378	-1.3343	-0.41793	0.0857	0.7949
3	203.17	207.15	216.07	3.8302	202.77	206.6	214.19	3.2195	-1.8859	-0.55448	0.6667	0.88837
10	204.22	207.68	216.69	3.546	203.84	206.87	214.1	2.8699	-2.5864	-0.80873	1.3082	1.1467
30	200.31	207.14	213.26	3.5973	201.39	206.8	210.88	3.5747	-3.0185	-0.3462	2.4437	1.9273
50	197.68	205.79	210.51	3.792	196.49	205.94	210.83	4.1282	-2.9873	0.14454	3.7718	2.0232
100	197.8	205.01	209.86	3.9373	195.7	206.56	216.52	5.5526	-3.4213	1.5453	9.1184	4.1729

Device Test: 24.43 SYNC1_SW_DELAY_INV(TIMING|DELAY/SYNC1/5//OPEN//@SYNC1_SW_DELAY_INV)





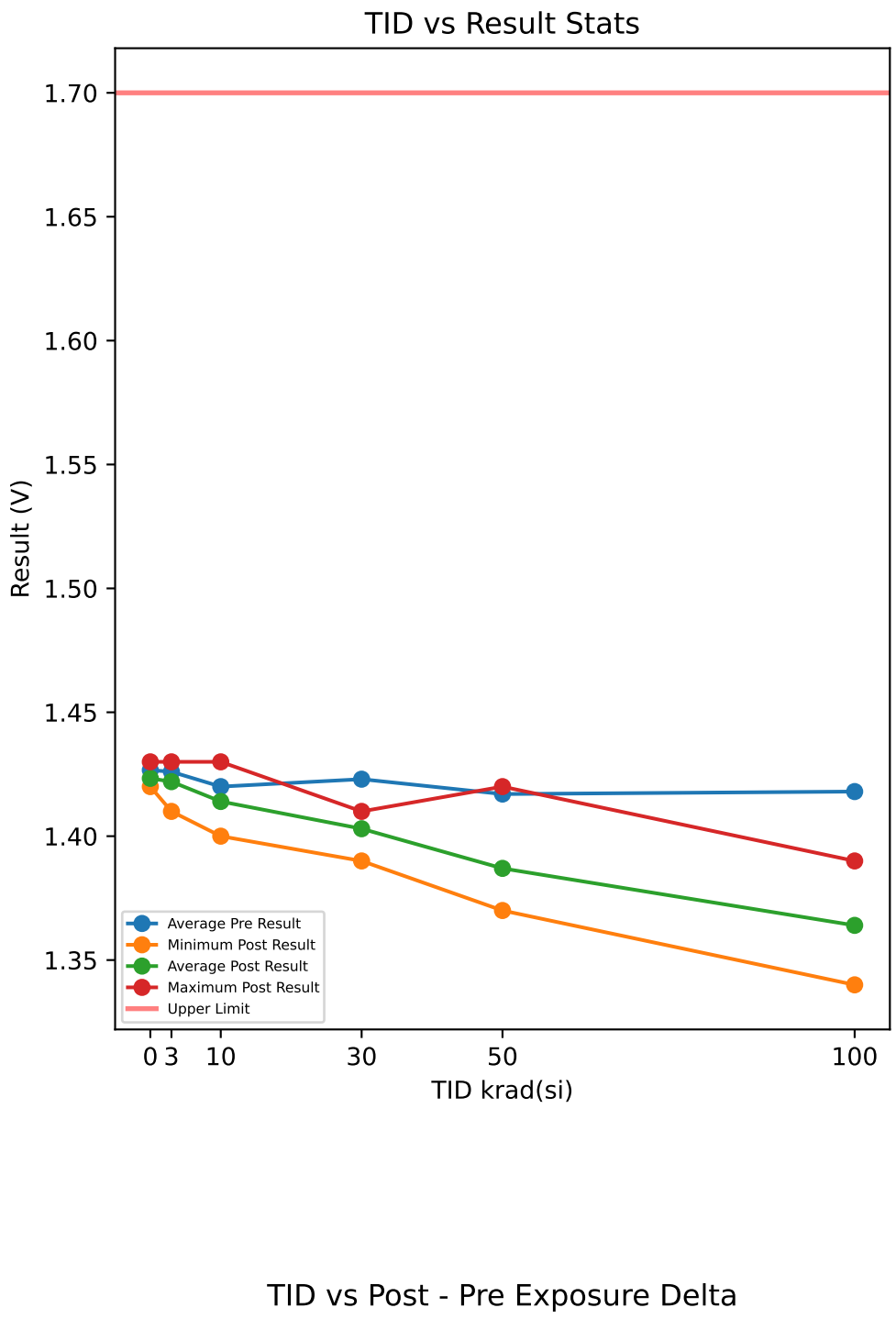
Test Results (Lower Limit = 140.0, Upper Limit = 300.0 (ns))

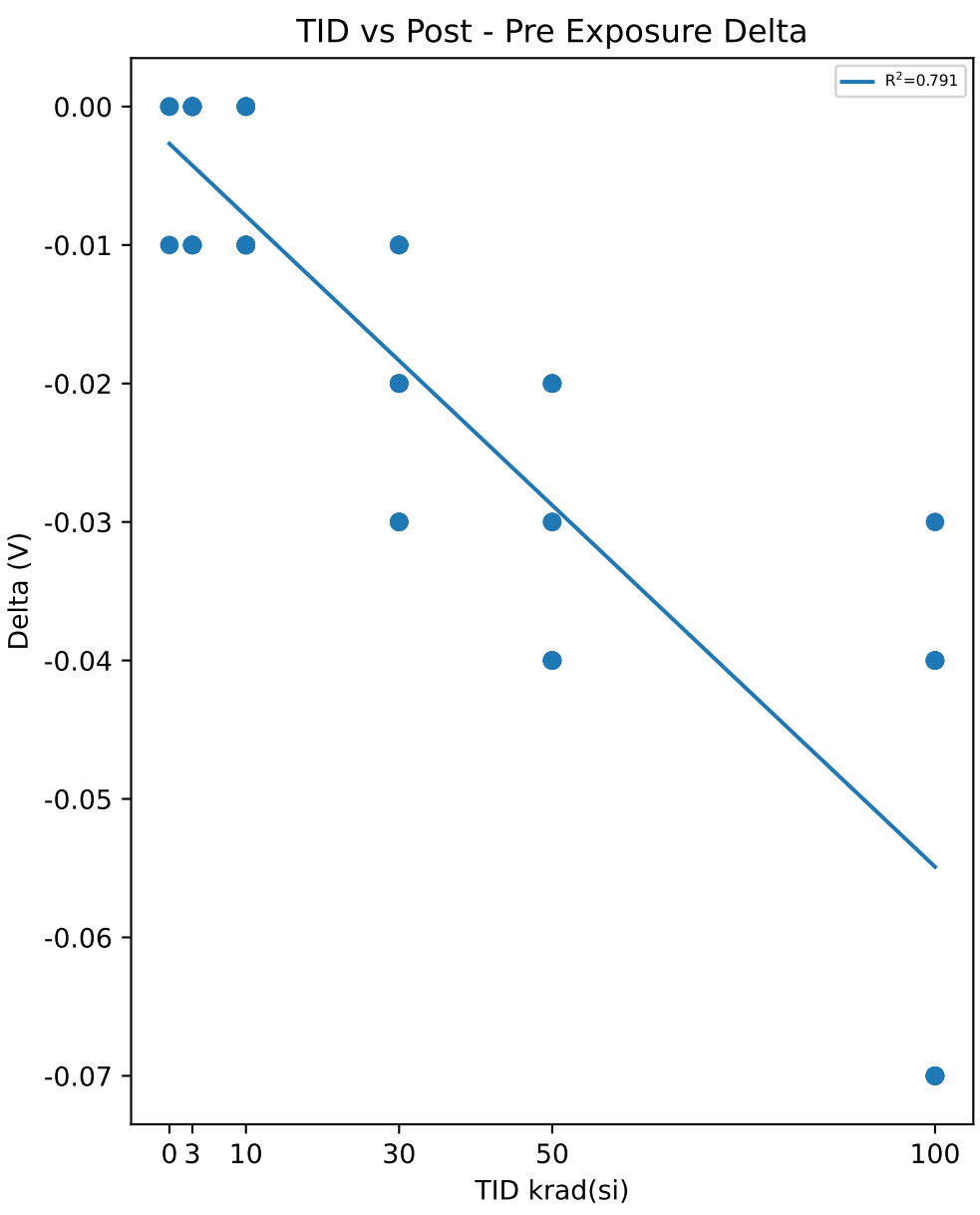
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
390	100	Biased	230.24	232.46	2.2141
392	100	Biased	231.32	239.46	8.1394
393	100	Biased	229.09	234.29	5.2058
394	100	Biased	230.69	236.81	6.1134
395	100	Biased	233.3	241.13	7.8318
412	100	Unbiased	235.63	237.61	1.983
413	100	Unbiased	226.35	228.27	1.9207
414	100	Unbiased	236.02	239.47	3.4542
415	100	Unbiased	235.86	248.37	12.511
416	100	Unbiased	235.83	236.61	0.7774
417	50	Biased	234.63	238.44	3.8137
418	50	Biased	235.86	241.19	5.3302
419	50	Biased	230.13	235.24	5.1045
421	50	Biased	232.31	236.3	3.9878
422	50	Biased	234.9	240.49	5.597
423	50	Unbiased	238.24	237.42	-0.8208
424	50	Unbiased	232.22	233.14	0.9123
425	50	Unbiased	235.5	237.5	1.9942
426	50	Unbiased	234.7	236.04	1.3382
427	50	Unbiased	226.88	226.75	-0.1365
463	0	Corr	232.32	233.36	1.0444
464	0	Corr	237.9	237.22	-0.6784
465	0	Corr	238.44	238.83	0.3884
466	30	Biased	237.09	240.65	3.5559
469	30	Biased	229.44	231.06	1.618
470	30	Biased	232.97	236.34	3.3613
472	30	Biased	233.78	236.51	2.733
474	30	Biased	236.46	240.7	4.2385
475	30	Unbiased	236.64	236.87	0.2259
477	30	Unbiased	241.19	240.94	-0.2534
478	30	Unbiased	229.46	230.34	0.8772
479	30	Unbiased	234.14	233.75	-0.394
480	30	Unbiased	234.78	237.03	2.2541
481	10	Biased	236.1	236.68	0.5785
482	10	Biased	234.58	235.98	1.3959
483	10	Biased	233.91	235	1.0987
484	10	Biased	234.34	234.42	0.0828
485	10	Biased	231.69	234.04	2.3503
487	10	Unbiased	234.28	234.82	0.5392
488	10	Unbiased	234.01	234.45	0.4461
489	10	Unbiased	233.82	232.85	-0.9715
490	10	Unbiased	243.26	244.9	1.6361
491	10	Unbiased	234.05	234.38	0.3304
492	3	Biased	234.18	234.68	0.5037
493	3	Biased	234.78	234.3	-0.4879
494	3	Biased	231.55	232.75	1.2028
495	3	Biased	231.92	231.71	-0.2067
496	3	Biased	236.47	236.8	0.3263
497	3	Unbiased	235.55	235.65	0.0981
498	3	Unbiased	232.9	234.27	1.371
499	3	Unbiased	242.62	242.75	0.1286
500	3	Unbiased	237.77	237.14	-0.6333
502	3	Unbiased	233.75	233.3	-0.4563

Test Statistics (ns)

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	232.32	236.22	238.44	3.3883	233.36	236.47	238.83	2.8084	-0.6784	0.25147	1.0444	0.86952
3	231.55	235.15	242.62	3.2679	231.71	235.33	242.75	3.1104	-0.6333	0.18463	1.371	0.68814
10	231.69	235	243.26	3.0915	232.85	235.75	244.9	3.3772	-0.9715	0.74865	2.3503	0.9211
30	229.44	234.6	241.19	3.5569	230.34	236.42	240.94	3.8011	-0.394	1.8217	4.2385	1.6644
50	226.88	233.54	238.24	3.2473	226.75	236.25	241.19	4.0997	-0.8208	2.7121	5.597	2.3565
100	226.35	232.43	236.02	3.4068	228.27	237.45	248.37	5.3889	0.7774	5.0151	12.511	3.6838

Device Test: 24.44 SYNC1_VIH(THRESHOLD|RISE/SYNC1/5//OPEN//@SYNC1_VIH)





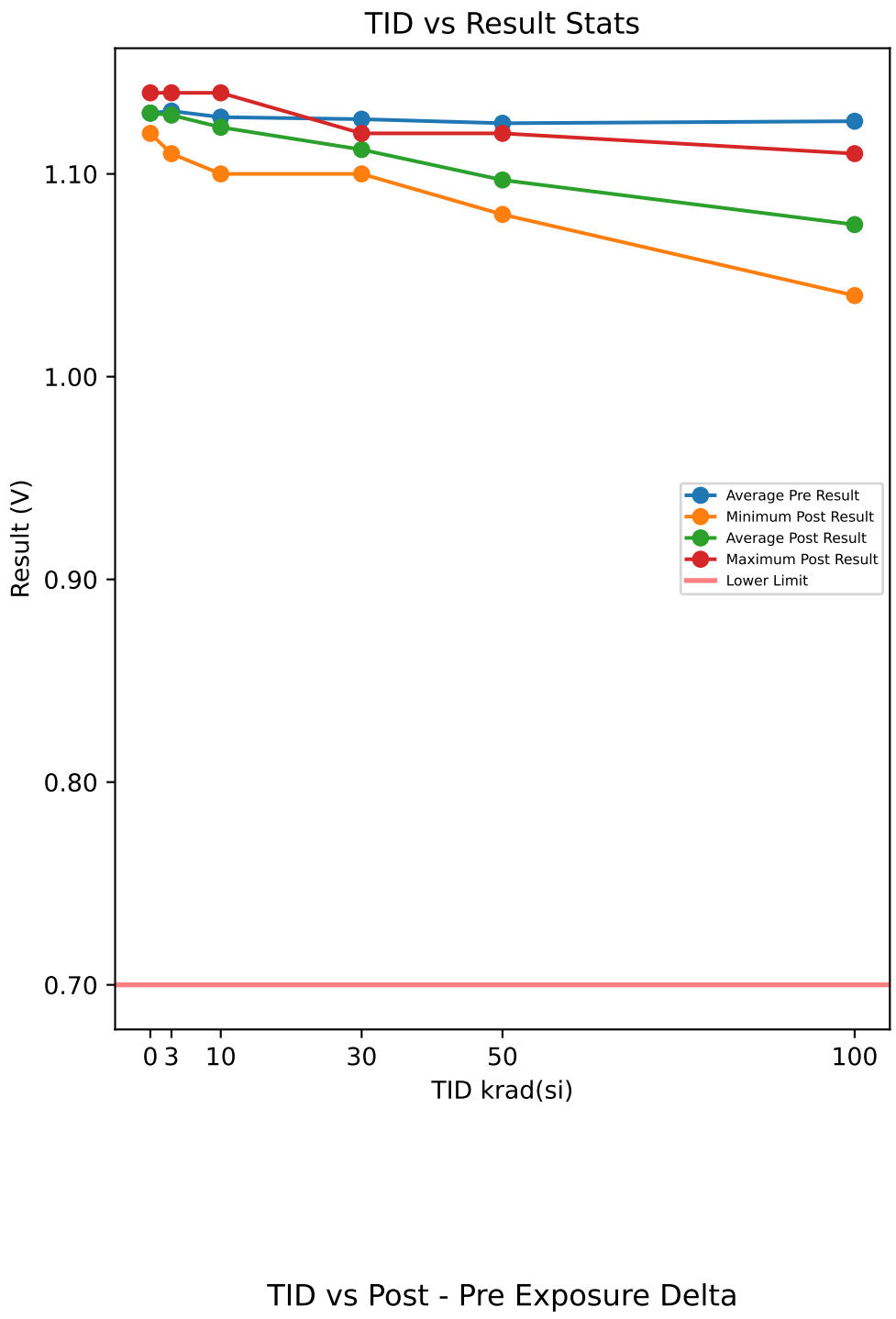
Test Results (Upper Limit = 1.7 (V))

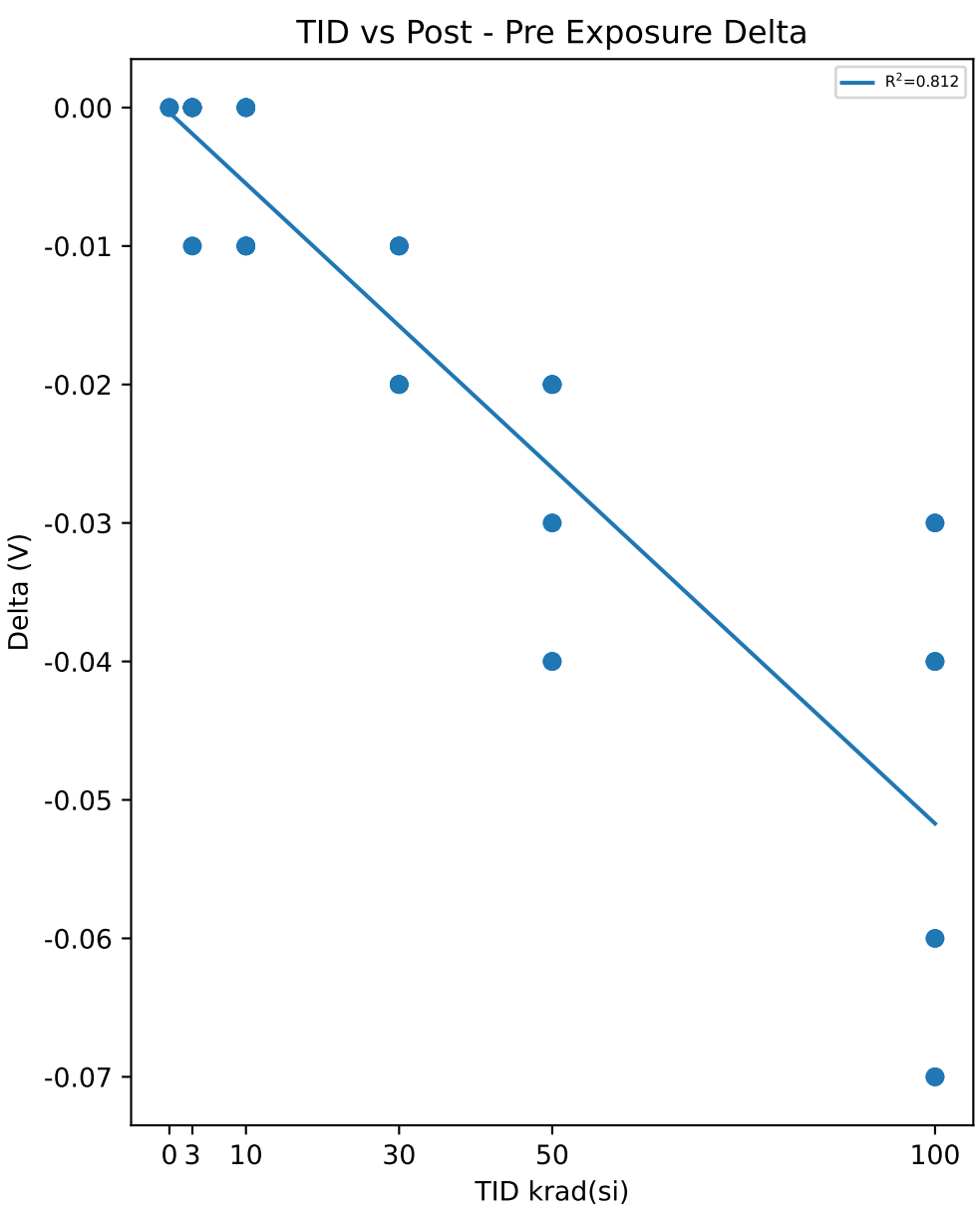
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
390	100	Biased	1.42	1.38	-0.04
392	100	Biased	1.42	1.38	-0.04
393	100	Biased	1.43	1.39	-0.04
394	100	Biased	1.41	1.38	-0.03
395	100	Biased	1.43	1.39	-0.04
412	100	Unbiased	1.41	1.34	-0.07
413	100	Unbiased	1.41	1.34	-0.07
414	100	Unbiased	1.43	1.36	-0.07
415	100	Unbiased	1.41	1.34	-0.07
416	100	Unbiased	1.41	1.34	-0.07
417	50	Biased	1.42	1.4	-0.02
418	50	Biased	1.44	1.42	-0.02
419	50	Biased	1.41	1.39	-0.02
421	50	Biased	1.42	1.39	-0.03
422	50	Biased	1.41	1.39	-0.02
423	50	Unbiased	1.41	1.37	-0.04
424	50	Unbiased	1.4	1.37	-0.03
425	50	Unbiased	1.42	1.38	-0.04
426	50	Unbiased	1.42	1.38	-0.04
427	50	Unbiased	1.42	1.38	-0.04
463	0	Corr	1.42	1.42	0
464	0	Corr	1.42	1.42	0
465	0	Corr	1.44	1.43	-0.01
466	30	Biased	1.42	1.41	-0.01
469	30	Biased	1.4	1.39	-0.01
470	30	Biased	1.42	1.41	-0.01
472	30	Biased	1.42	1.4	-0.02
474	30	Biased	1.42	1.4	-0.02
475	30	Unbiased	1.43	1.4	-0.03
477	30	Unbiased	1.43	1.41	-0.02
478	30	Unbiased	1.44	1.41	-0.03
479	30	Unbiased	1.43	1.4	-0.03
480	30	Unbiased	1.42	1.4	-0.02
481	10	Biased	1.43	1.43	0
482	10	Biased	1.43	1.43	0
483	10	Biased	1.41	1.41	0
484	10	Biased	1.42	1.42	0
485	10	Biased	1.42	1.41	-0.01
487	10	Unbiased	1.43	1.42	-0.01
488	10	Unbiased	1.41	1.4	-0.01
489	10	Unbiased	1.43	1.42	-0.01
490	10	Unbiased	1.41	1.4	-0.01
491	10	Unbiased	1.41	1.4	-0.01
492	3	Biased	1.43	1.43	0
493	3	Biased	1.41	1.41	0
494	3	Biased	1.42	1.42	0
495	3	Biased	1.42	1.42	0
496	3	Biased	1.42	1.42	0
497	3	Unbiased	1.44	1.43	-0.01
498	3	Unbiased	1.43	1.42	-0.01
499	3	Unbiased	1.44	1.43	-0.01
500	3	Unbiased	1.43	1.43	0
502	3	Unbiased	1.42	1.41	-0.01

Test Statistics (V)

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	1.42	1.4267	1.44	0.011547	1.42	1.4233	1.43	0.0057735	-0.01	-0.0033333	0	0.0057735
3	1.41	1.426	1.44	0.0096609	1.41	1.422	1.43	0.0078881	-0.01	-0.004	0	0.005164
10	1.41	1.42	1.43	0.0094281	1.4	1.414	1.43	0.011738	-0.01	-0.006	0	0.005164
30	1.4	1.423	1.44	0.010593	1.39	1.403	1.41	0.0067495	-0.03	-0.02	-0.01	0.008165
50	1.4	1.417	1.44	0.010593	1.37	1.387	1.42	0.014944	-0.04	-0.03	-0.02	0.0094281
100	1.41	1.418	1.43	0.0091894	1.34	1.364	1.39	0.022211	-0.07	-0.054	-0.03	0.017127

Device Test: 24.45 SYNC1_VIL(THRESHOLD|FALL/SYNC1/5//OPEN//@SYNC1_VIL)





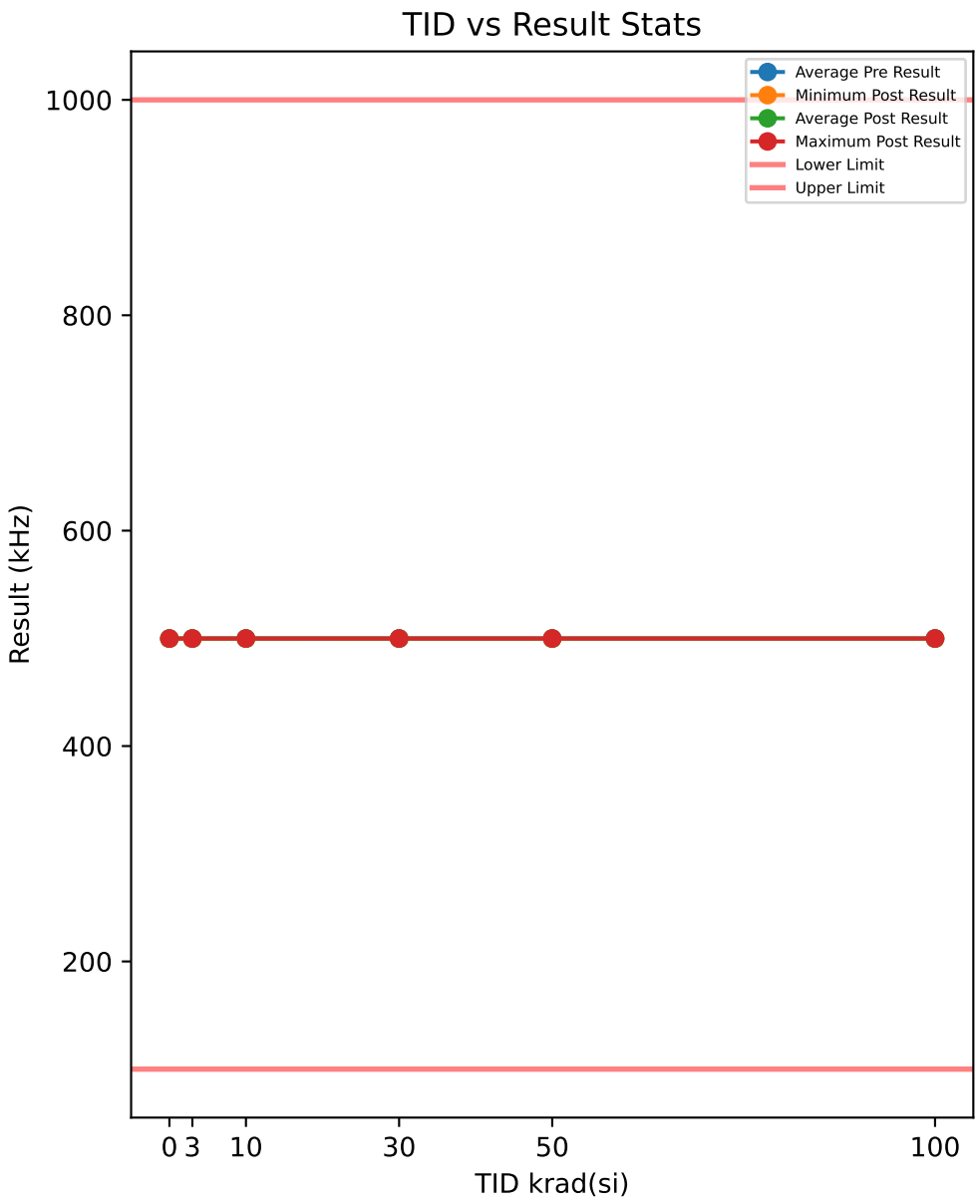
Test Results (Lower Limit = 0.7 (V))

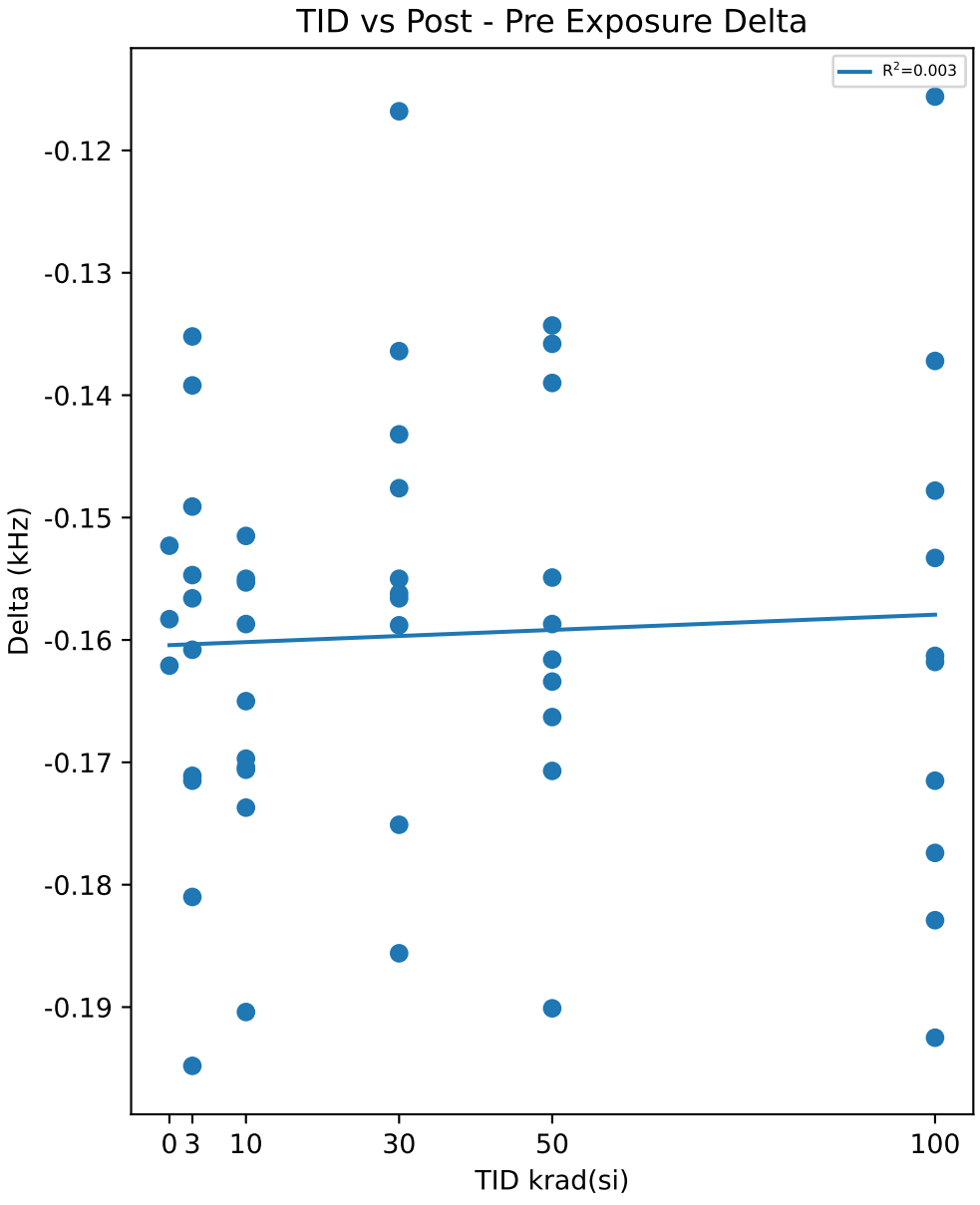
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
390	100	Biased	1.12	1.09	-0.03
392	100	Biased	1.12	1.08	-0.04
393	100	Biased	1.14	1.1	-0.04
394	100	Biased	1.13	1.09	-0.04
395	100	Biased	1.14	1.11	-0.03
412	100	Unbiased	1.11	1.05	-0.06
413	100	Unbiased	1.12	1.06	-0.06
414	100	Unbiased	1.14	1.07	-0.07
415	100	Unbiased	1.11	1.04	-0.07
416	100	Unbiased	1.13	1.06	-0.07
417	50	Biased	1.12	1.1	-0.02
418	50	Biased	1.14	1.12	-0.02
419	50	Biased	1.12	1.1	-0.02
421	50	Biased	1.13	1.11	-0.02
422	50	Biased	1.12	1.1	-0.02
423	50	Unbiased	1.11	1.08	-0.03
424	50	Unbiased	1.12	1.09	-0.03
425	50	Unbiased	1.13	1.09	-0.04
426	50	Unbiased	1.12	1.08	-0.04
427	50	Unbiased	1.14	1.1	-0.04
463	0	Corr	1.13	1.13	0
464	0	Corr	1.12	1.12	0
465	0	Corr	1.14	1.14	0
466	30	Biased	1.13	1.12	-0.01
469	30	Biased	1.11	1.1	-0.01
470	30	Biased	1.12	1.11	-0.01
472	30	Biased	1.12	1.11	-0.01
474	30	Biased	1.12	1.11	-0.01
475	30	Unbiased	1.13	1.11	-0.02
477	30	Unbiased	1.14	1.12	-0.02
478	30	Unbiased	1.14	1.12	-0.02
479	30	Unbiased	1.14	1.12	-0.02
480	30	Unbiased	1.12	1.1	-0.02
481	10	Biased	1.14	1.14	0
482	10	Biased	1.14	1.13	-0.01
483	10	Biased	1.12	1.12	0
484	10	Biased	1.13	1.13	0
485	10	Biased	1.13	1.13	0
487	10	Unbiased	1.13	1.12	-0.01
488	10	Unbiased	1.12	1.11	-0.01
489	10	Unbiased	1.14	1.13	-0.01
490	10	Unbiased	1.11	1.1	-0.01
491	10	Unbiased	1.12	1.12	0
492	3	Biased	1.14	1.14	0
493	3	Biased	1.11	1.11	0
494	3	Biased	1.14	1.14	0
495	3	Biased	1.12	1.12	0
496	3	Biased	1.12	1.12	0
497	3	Unbiased	1.14	1.14	0
498	3	Unbiased	1.13	1.13	0
499	3	Unbiased	1.14	1.13	-0.01
500	3	Unbiased	1.14	1.14	0
502	3	Unbiased	1.13	1.12	-0.01

Test Statistics (V)

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	1.12	1.13	1.14	0.01	1.12	1.13	1.14	0.01	0	0	0	0
3	1.11	1.131	1.14	0.011005	1.11	1.129	1.14	0.011005	-0.01	-0.002	0	0.0042164
10	1.11	1.128	1.14	0.010328	1.1	1.123	1.14	0.011595	-0.01	-0.005	0	0.0052705
30	1.11	1.127	1.14	0.010593	1.1	1.112	1.12	0.0078881	-0.02	-0.015	-0.01	0.0052705
50	1.11	1.125	1.14	0.0097183	1.08	1.097	1.12	0.012517	-0.04	-0.028	-0.02	0.0091894
100	1.11	1.126	1.14	0.011738	1.04	1.075	1.11	0.02273	-0.07	-0.051	-0.03	0.016633

Device Test: 24.48 SYNC_FREQ_RANGE(FREQ|500kHz/SYNC1/5//OPEN//@SYNC_FREQ_RANGE)





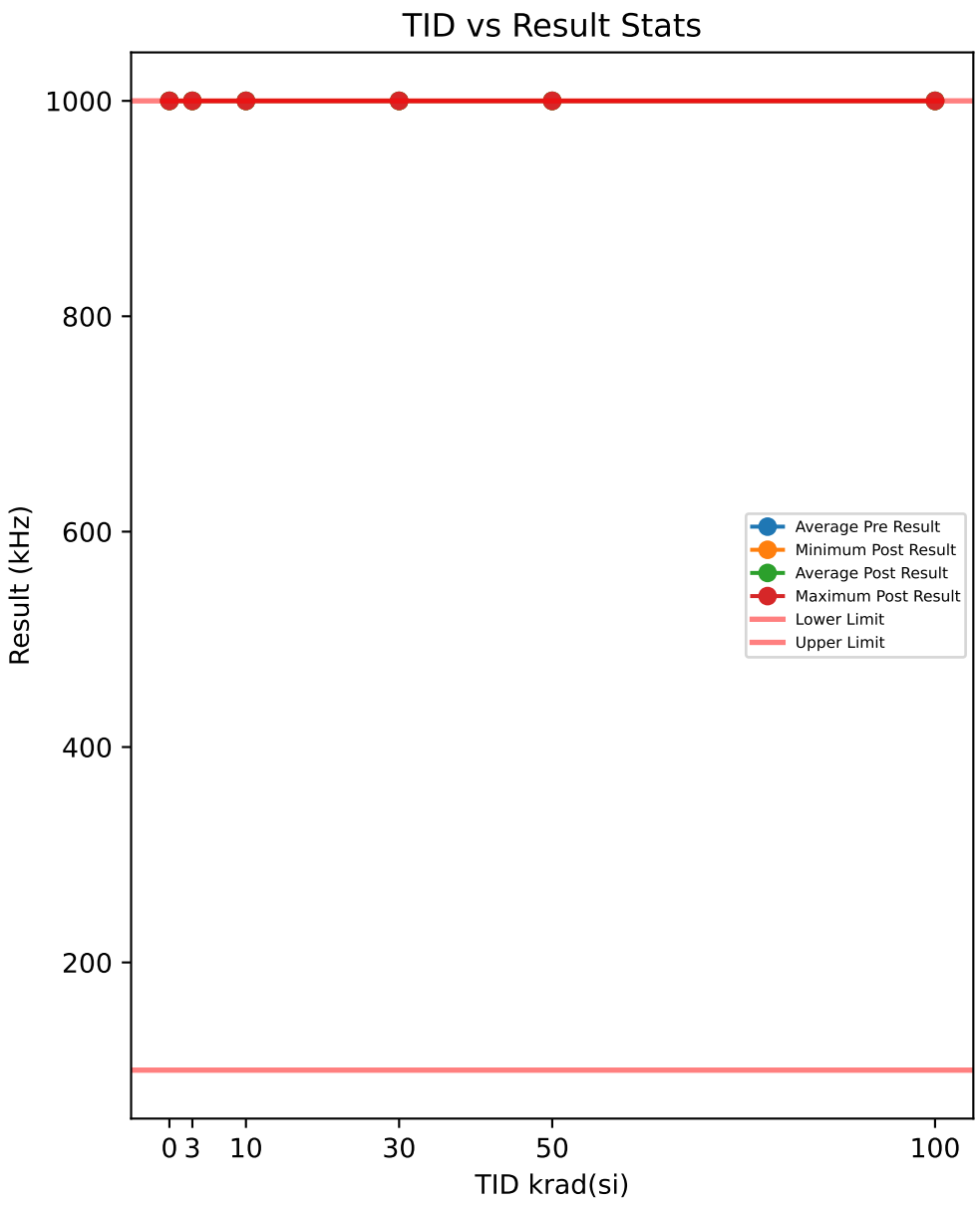
Test Results (Lower Limit = 100.0, Upper Limit = 1000.0 (kHz))

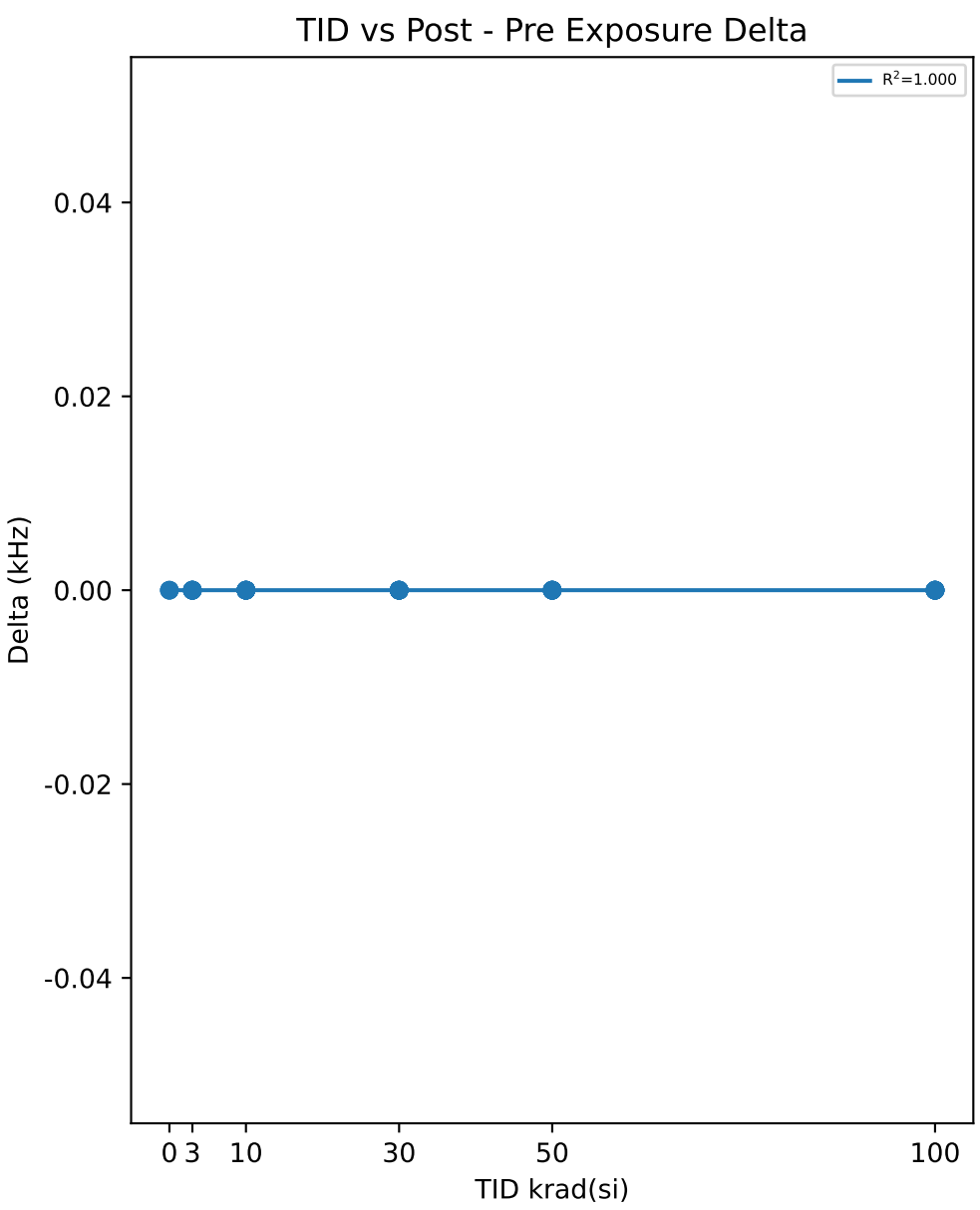
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
390	100	Biased	499.94	499.83	-0.1156
392	100	Biased	499.98	499.8	-0.1774
393	100	Biased	499.97	499.79	-0.1715
394	100	Biased	499.97	499.78	-0.1925
395	100	Biased	499.95	499.79	-0.1613
412	100	Unbiased	499.97	499.82	-0.1478
413	100	Unbiased	499.99	499.8	-0.1829
414	100	Unbiased	499.94	499.79	-0.1533
415	100	Unbiased	499.97	499.81	-0.1618
416	100	Unbiased	499.95	499.81	-0.1372
417	50	Biased	499.96	499.82	-0.139
418	50	Biased	499.95	499.78	-0.1663
419	50	Biased	499.97	499.81	-0.1634
421	50	Biased	499.97	499.81	-0.1587
422	50	Biased	499.94	499.81	-0.1358
423	50	Unbiased	499.98	499.79	-0.1901
424	50	Unbiased	499.98	499.82	-0.1616
425	50	Unbiased	499.96	499.78	-0.1707
426	50	Unbiased	499.96	499.8	-0.1549
427	50	Unbiased	499.95	499.82	-0.1343
463	0	Corr	499.95	499.8	-0.1523
464	0	Corr	499.95	499.79	-0.1583
465	0	Corr	499.96	499.8	-0.1621
466	30	Biased	499.95	499.81	-0.1476
469	30	Biased	499.98	499.8	-0.1856
470	30	Biased	499.95	499.79	-0.1566
472	30	Biased	499.97	499.79	-0.1751
474	30	Biased	499.92	499.8	-0.1168
475	30	Unbiased	499.96	499.8	-0.1588
477	30	Unbiased	499.94	499.79	-0.1562
478	30	Unbiased	499.95	499.8	-0.1432
479	30	Unbiased	499.97	499.81	-0.155
480	30	Unbiased	499.95	499.82	-0.1364
481	10	Biased	499.97	499.8	-0.165
482	10	Biased	499.95	499.79	-0.1587
483	10	Biased	499.97	499.8	-0.1706
484	10	Biased	499.98	499.8	-0.1737
485	10	Biased	499.96	499.8	-0.155
487	10	Unbiased	499.96	499.79	-0.1704
488	10	Unbiased	499.96	499.79	-0.1697
489	10	Unbiased	499.96	499.81	-0.1515
490	10	Unbiased	499.95	499.8	-0.1553
491	10	Unbiased	499.98	499.79	-0.1904
492	3	Biased	499.96	499.79	-0.1711
493	3	Biased	499.94	499.81	-0.1352
494	3	Biased	499.97	499.79	-0.181
495	3	Biased	499.96	499.8	-0.1547
496	3	Biased	499.96	499.79	-0.1608
497	3	Unbiased	499.96	499.8	-0.1566
498	3	Unbiased	499.98	499.79	-0.1948
499	3	Unbiased	499.95	499.78	-0.1715
500	3	Unbiased	499.95	499.8	-0.1491
502	3	Unbiased	499.96	499.82	-0.1392

Test Statistics (kHz)

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	499.95	499.95	499.96	0.0037802	499.79	499.8	499.8	0.0036556	-0.1621	-0.15757	-0.1523	0.004941
3	499.94	499.96	499.98	0.011559	499.78	499.8	499.82	0.012821	-0.1948	-0.1614	-0.1352	0.018543
10	499.95	499.96	499.98	0.011274	499.79	499.8	499.81	0.0072435	-0.1904	-0.16603	-0.1515	0.01159
30	499.92	499.95	499.98	0.01798	499.79	499.8	499.82	0.0098764	-0.1856	-0.15313	-0.1168	0.019215
50	499.94	499.96	499.98	0.014289	499.78	499.8	499.82	0.014546	-0.1901	-0.15748	-0.1343	0.017403
100	499.94	499.96	499.99	0.015792	499.78	499.8	499.83	0.014256	-0.1925	-0.16013	-0.1156	0.022865

Device Test: 24.49 SYNC_FREQ_RANGE(FREQ|1000kHz/SYNC1/5//OPEN//@SYNC_FREQ_RANGE)





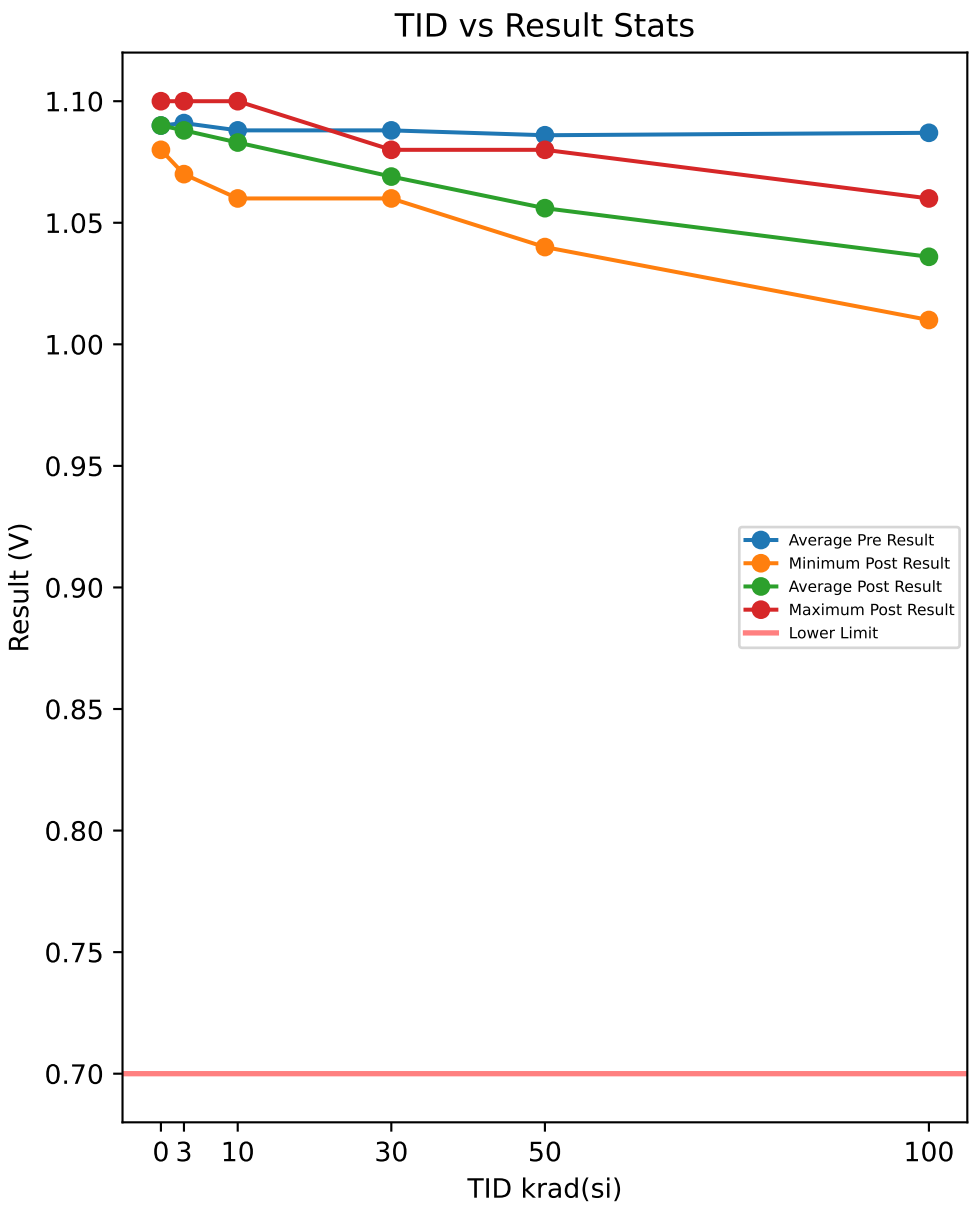
Test Results (Lower Limit = 100.0, Upper Limit = 1000.0 (kHz))

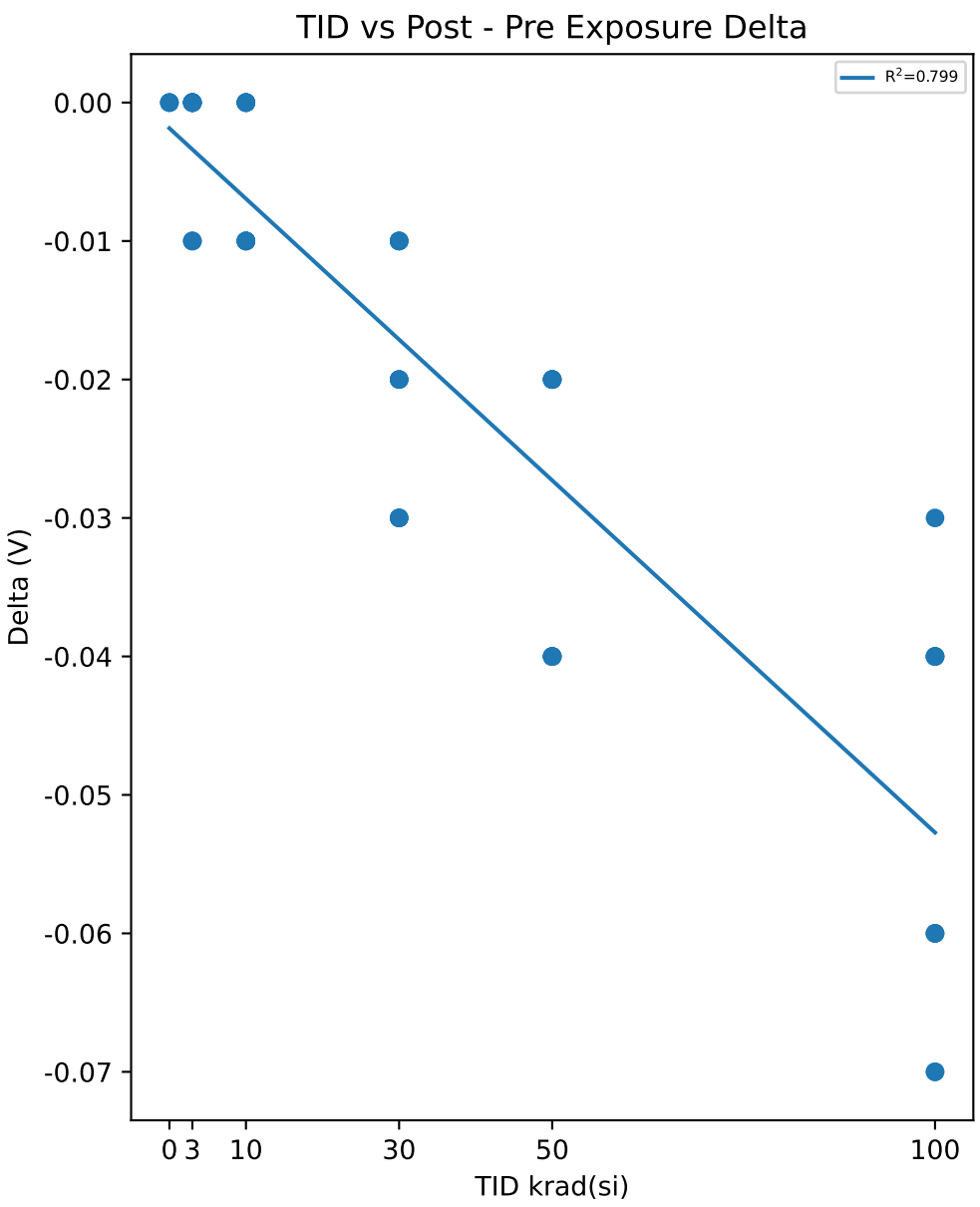
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
390	100	Biased	1000	1000	0
392	100	Biased	1000	1000	0
393	100	Biased	1000	1000	0
394	100	Biased	1000	1000	0
395	100	Biased	1000	1000	0
412	100	Unbiased	1000	1000	0
413	100	Unbiased	1000	1000	0
414	100	Unbiased	1000	1000	0
415	100	Unbiased	1000	1000	0
416	100	Unbiased	1000	1000	0
417	50	Biased	1000	1000	0
418	50	Biased	1000	1000	0
419	50	Biased	1000	1000	0
421	50	Biased	1000	1000	0
422	50	Biased	1000	1000	0
423	50	Unbiased	1000	1000	0
424	50	Unbiased	1000	1000	0
425	50	Unbiased	1000	1000	0
426	50	Unbiased	1000	1000	0
427	50	Unbiased	1000	1000	0
463	0	Corr	1000	1000	0
464	0	Corr	1000	1000	0
465	0	Corr	1000	1000	0
466	30	Biased	1000	1000	0
469	30	Biased	1000	1000	0
470	30	Biased	1000	1000	0
472	30	Biased	1000	1000	0
474	30	Biased	1000	1000	0
475	30	Unbiased	1000	1000	0
477	30	Unbiased	1000	1000	0
478	30	Unbiased	1000	1000	0
479	30	Unbiased	1000	1000	0
480	30	Unbiased	1000	1000	0
481	10	Biased	1000	1000	0
482	10	Biased	1000	1000	0
483	10	Biased	1000	1000	0
484	10	Biased	1000	1000	0
485	10	Biased	1000	1000	0
487	10	Unbiased	1000	1000	0
488	10	Unbiased	1000	1000	0
489	10	Unbiased	1000	1000	0
490	10	Unbiased	1000	1000	0
491	10	Unbiased	1000	1000	0
492	3	Biased	1000	1000	0
493	3	Biased	1000	1000	0
494	3	Biased	1000	1000	0
495	3	Biased	1000	1000	0
496	3	Biased	1000	1000	0
497	3	Unbiased	1000	1000	0
498	3	Unbiased	1000	1000	0
499	3	Unbiased	1000	1000	0
500	3	Unbiased	1000	1000	0
502	3	Unbiased	1000	1000	0

Test Statistics (kHz)

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	1000	1000	1000	0	1000	1000	1000	0	0	0	0	0
3	1000	1000	1000	0	1000	1000	1000	0	0	0	0	0
10	1000	1000	1000	0	1000	1000	1000	0	0	0	0	0
30	1000	1000	1000	0	1000	1000	1000	0	0	0	0	0
50	1000	1000	1000	0	1000	1000	1000	0	0	0	0	0
100	1000	1000	1000	0	1000	1000	1000	0	0	0	0	0

Device Test: 24.5 SYNC1_VIL(THRESHOLD|FALL/SYNC1/4.5//OPEN//@SYNC1_VIL)





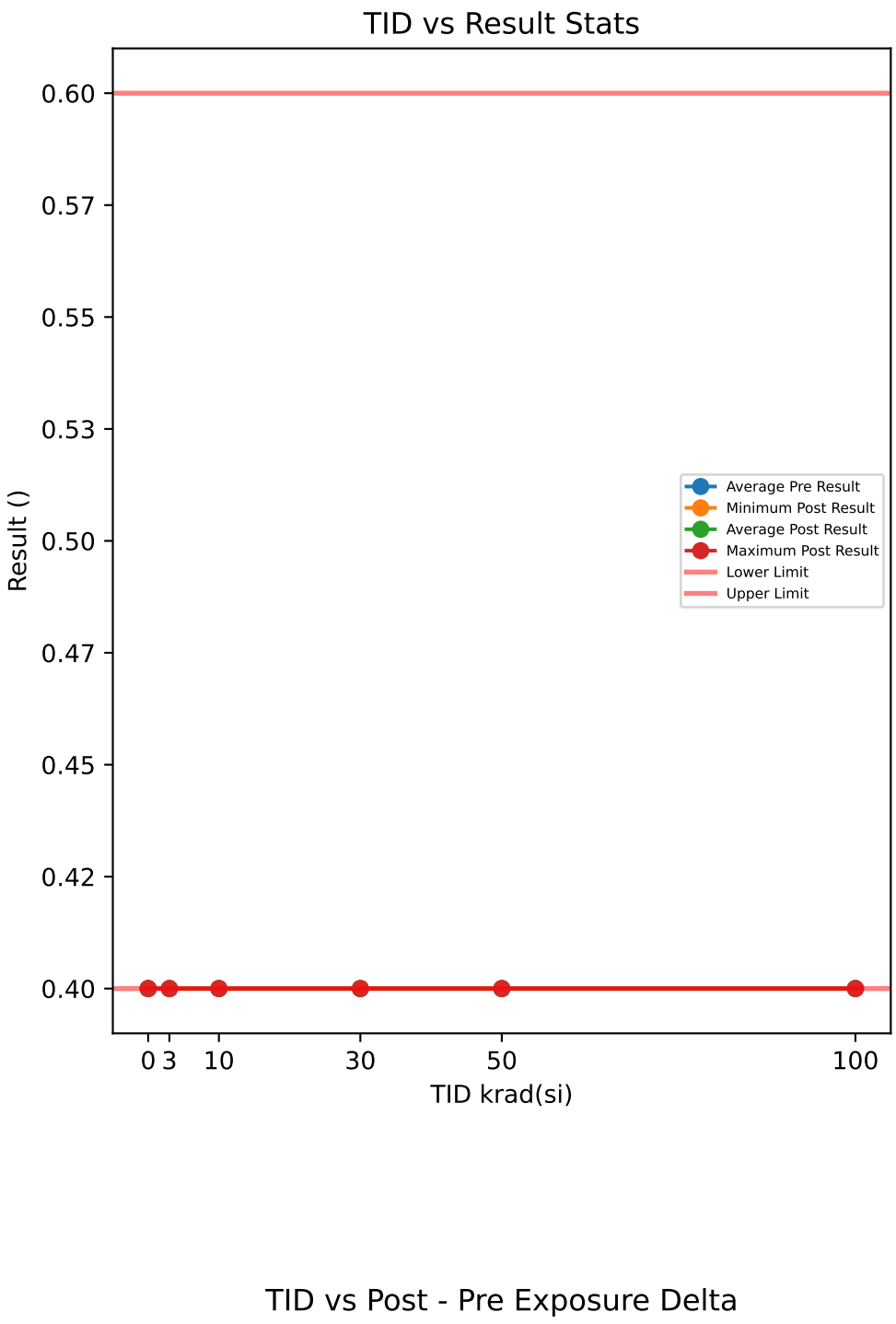
Test Results (Lower Limit = 0.7 (V))

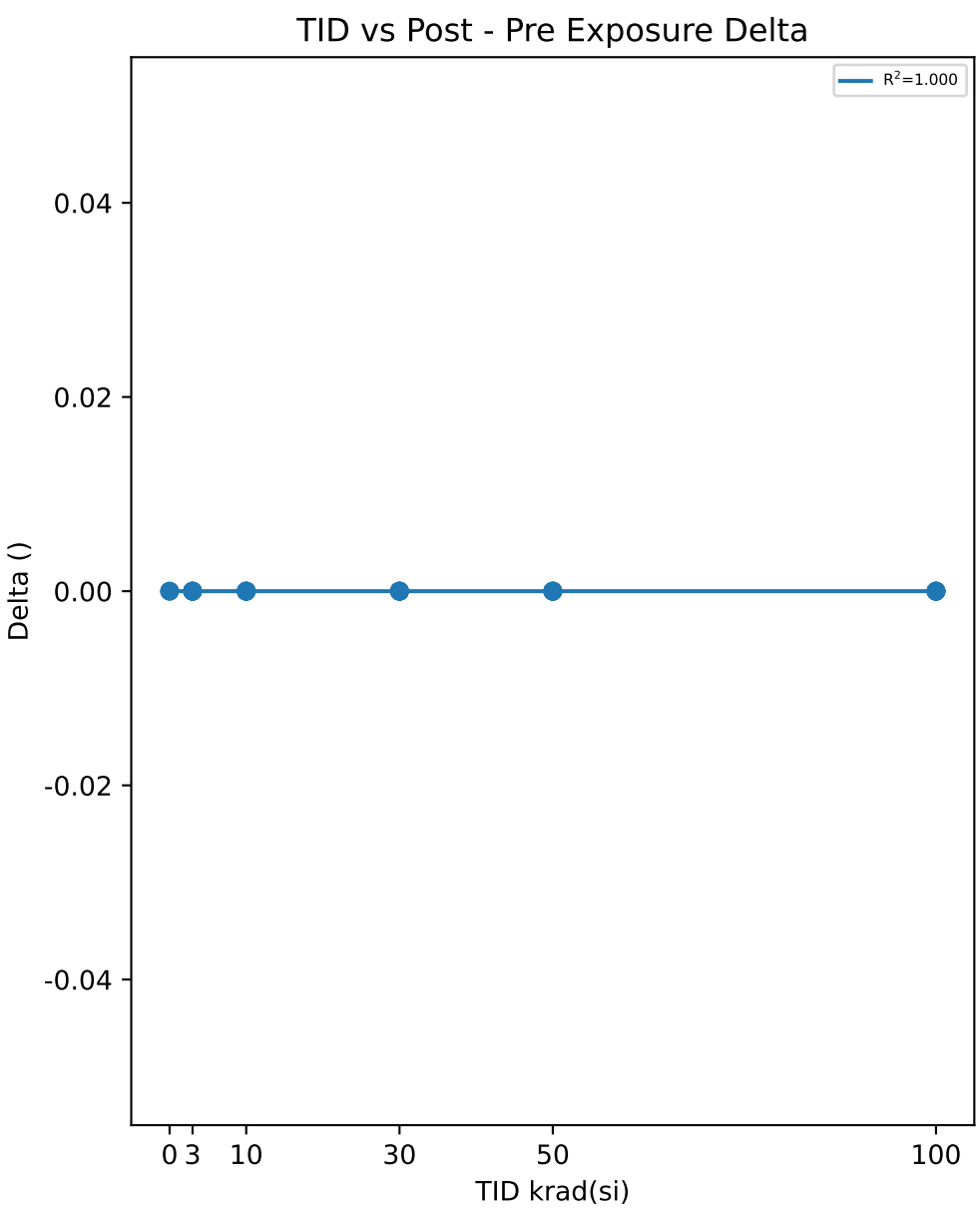
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
390	100	Biased	1.08	1.05	-0.03
392	100	Biased	1.08	1.04	-0.04
393	100	Biased	1.1	1.06	-0.04
394	100	Biased	1.09	1.05	-0.04
395	100	Biased	1.1	1.06	-0.04
412	100	Unbiased	1.08	1.01	-0.07
413	100	Unbiased	1.08	1.02	-0.06
414	100	Unbiased	1.1	1.03	-0.07
415	100	Unbiased	1.07	1.01	-0.06
416	100	Unbiased	1.09	1.03	-0.06
417	50	Biased	1.08	1.06	-0.02
418	50	Biased	1.1	1.08	-0.02
419	50	Biased	1.08	1.06	-0.02
421	50	Biased	1.09	1.07	-0.02
422	50	Biased	1.08	1.06	-0.02
423	50	Unbiased	1.08	1.04	-0.04
424	50	Unbiased	1.08	1.04	-0.04
425	50	Unbiased	1.09	1.05	-0.04
426	50	Unbiased	1.08	1.04	-0.04
427	50	Unbiased	1.1	1.06	-0.04
463	0	Corr	1.09	1.09	0
464	0	Corr	1.08	1.08	0
465	0	Corr	1.1	1.1	0
466	30	Biased	1.09	1.07	-0.02
469	30	Biased	1.07	1.06	-0.01
470	30	Biased	1.08	1.07	-0.01
472	30	Biased	1.08	1.07	-0.01
474	30	Biased	1.08	1.07	-0.01
475	30	Unbiased	1.1	1.07	-0.03
477	30	Unbiased	1.1	1.07	-0.03
478	30	Unbiased	1.1	1.07	-0.03
479	30	Unbiased	1.1	1.08	-0.02
480	30	Unbiased	1.08	1.06	-0.02
481	10	Biased	1.1	1.1	0
482	10	Biased	1.1	1.09	-0.01
483	10	Biased	1.08	1.08	0
484	10	Biased	1.09	1.09	0
485	10	Biased	1.09	1.09	0
487	10	Unbiased	1.09	1.08	-0.01
488	10	Unbiased	1.08	1.07	-0.01
489	10	Unbiased	1.1	1.09	-0.01
490	10	Unbiased	1.07	1.06	-0.01
491	10	Unbiased	1.08	1.08	0
492	3	Biased	1.1	1.1	0
493	3	Biased	1.07	1.07	0
494	3	Biased	1.1	1.1	0
495	3	Biased	1.08	1.08	0
496	3	Biased	1.08	1.08	0
497	3	Unbiased	1.1	1.1	0
498	3	Unbiased	1.09	1.09	0
499	3	Unbiased	1.1	1.09	-0.01
500	3	Unbiased	1.1	1.09	-0.01
502	3	Unbiased	1.09	1.08	-0.01

Test Statistics (V)

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	1.08	1.09	1.1	0.01	1.08	1.09	1.1	0.01	0	0	0	0
3	1.07	1.091	1.1	0.011005	1.07	1.088	1.1	0.010328	-0.01	-0.003	0	0.0048305
10	1.07	1.088	1.1	0.010328	1.06	1.083	1.1	0.011595	-0.01	-0.005	0	0.0052705
30	1.07	1.088	1.1	0.011353	1.06	1.069	1.08	0.0056765	-0.03	-0.019	-0.01	0.008756
50	1.08	1.086	1.1	0.0084327	1.04	1.056	1.08	0.013499	-0.04	-0.03	-0.02	0.010541
100	1.07	1.087	1.1	0.010593	1.01	1.036	1.06	0.018974	-0.07	-0.051	-0.03	0.014491

ce Test: 24.50 SYNC_IN_DUTY_CYCLE_RANGE(UTYCYCLE|GNG_40%/SYNC1/5//OPEN//@SYNC_IN_DUTY_CYCLE_RAN





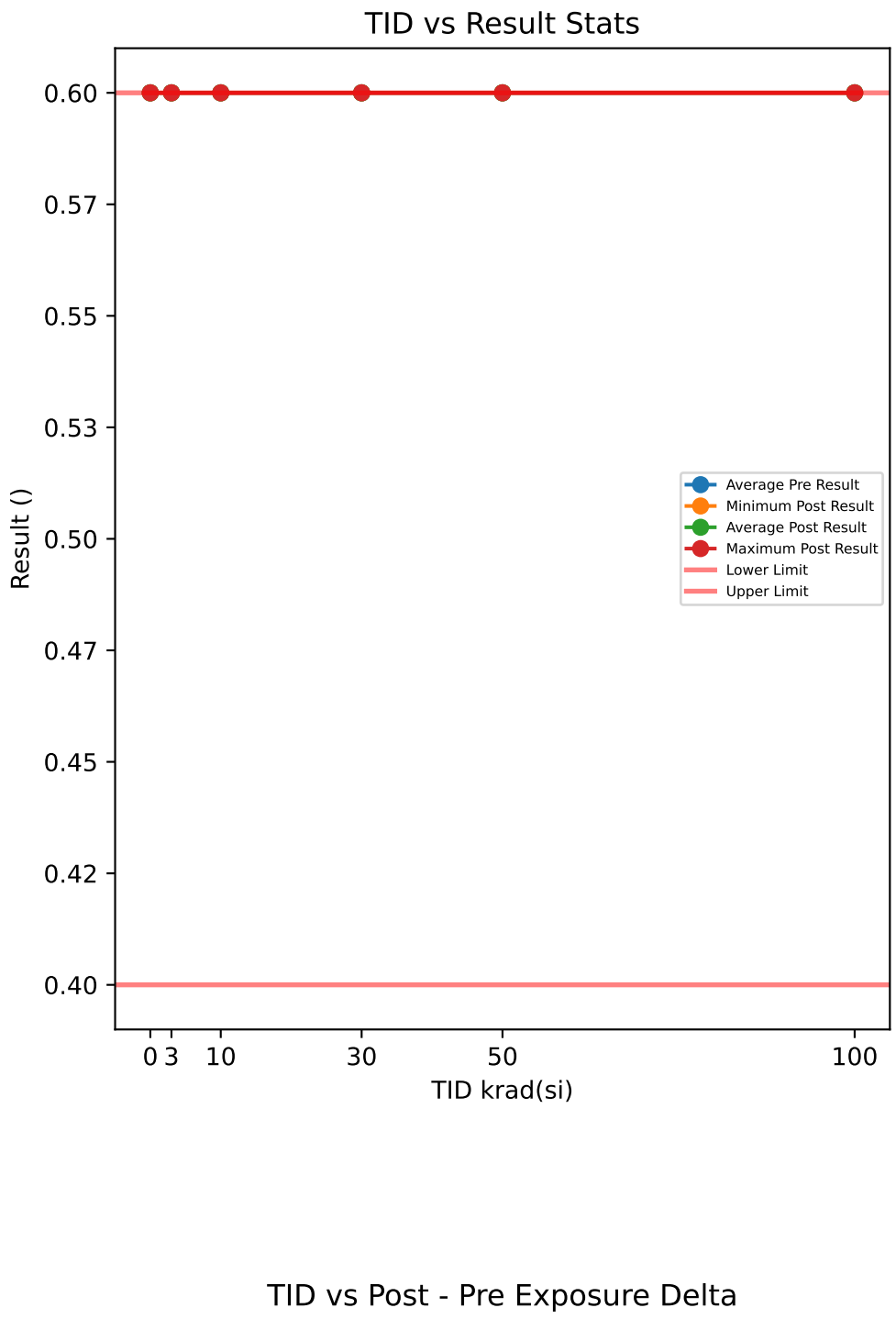
Test Results (Lower Limit = 0.4, Upper Limit = 0.6 ())

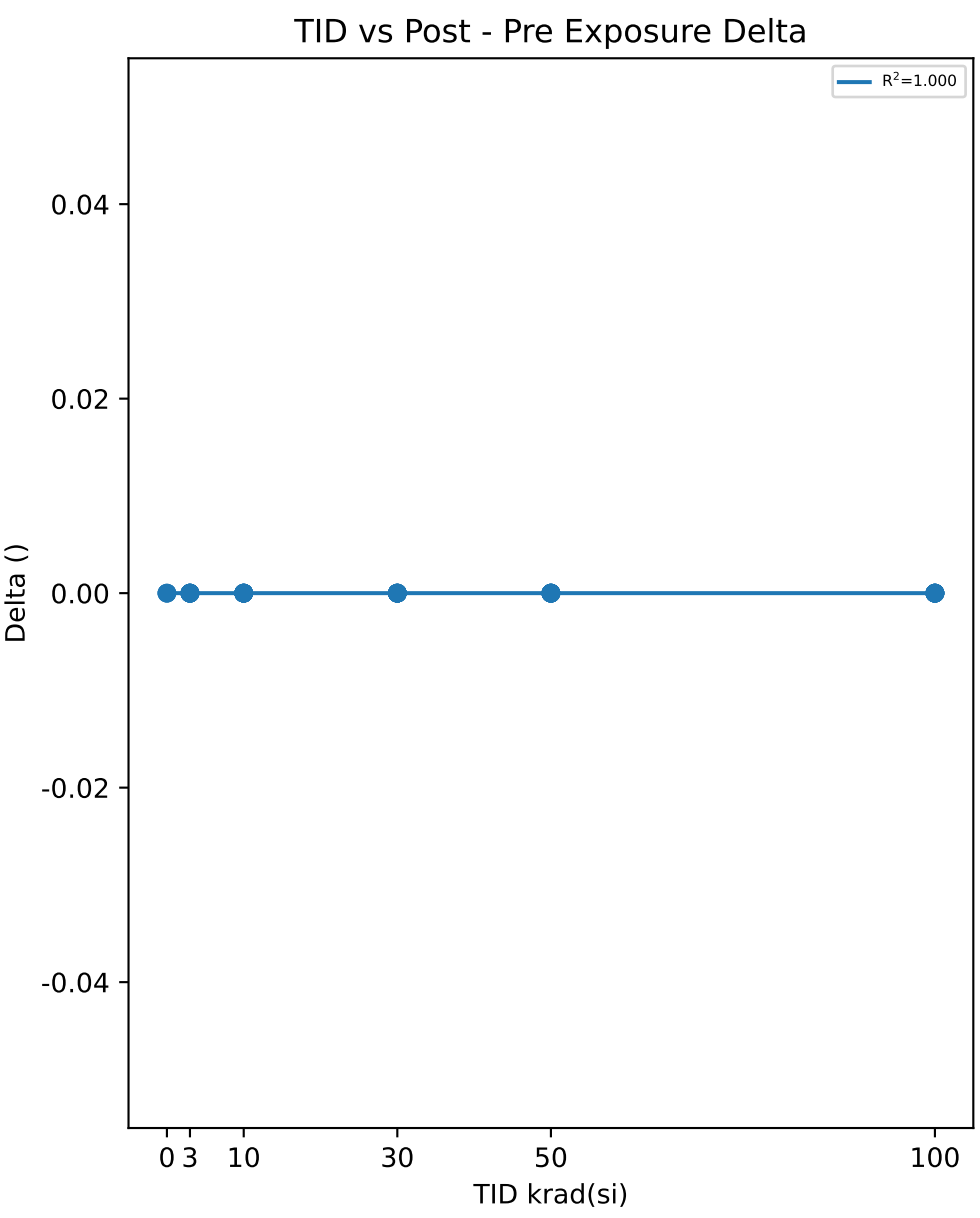
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
390	100	Biased	0.4	0.4	0
392	100	Biased	0.4	0.4	0
393	100	Biased	0.4	0.4	0
394	100	Biased	0.4	0.4	0
395	100	Biased	0.4	0.4	0
412	100	Unbiased	0.4	0.4	0
413	100	Unbiased	0.4	0.4	0
414	100	Unbiased	0.4	0.4	0
415	100	Unbiased	0.4	0.4	0
416	100	Unbiased	0.4	0.4	0
417	50	Biased	0.4	0.4	0
418	50	Biased	0.4	0.4	0
419	50	Biased	0.4	0.4	0
421	50	Biased	0.4	0.4	0
422	50	Biased	0.4	0.4	0
423	50	Unbiased	0.4	0.4	0
424	50	Unbiased	0.4	0.4	0
425	50	Unbiased	0.4	0.4	0
426	50	Unbiased	0.4	0.4	0
427	50	Unbiased	0.4	0.4	0
463	0	Corr	0.4	0.4	0
464	0	Corr	0.4	0.4	0
465	0	Corr	0.4	0.4	0
466	30	Biased	0.4	0.4	0
469	30	Biased	0.4	0.4	0
470	30	Biased	0.4	0.4	0
472	30	Biased	0.4	0.4	0
474	30	Biased	0.4	0.4	0
475	30	Unbiased	0.4	0.4	0
477	30	Unbiased	0.4	0.4	0
478	30	Unbiased	0.4	0.4	0
479	30	Unbiased	0.4	0.4	0
480	30	Unbiased	0.4	0.4	0
481	10	Biased	0.4	0.4	0
482	10	Biased	0.4	0.4	0
483	10	Biased	0.4	0.4	0
484	10	Biased	0.4	0.4	0
485	10	Biased	0.4	0.4	0
487	10	Unbiased	0.4	0.4	0
488	10	Unbiased	0.4	0.4	0
489	10	Unbiased	0.4	0.4	0
490	10	Unbiased	0.4	0.4	0
491	10	Unbiased	0.4	0.4	0
492	3	Biased	0.4	0.4	0
493	3	Biased	0.4	0.4	0
494	3	Biased	0.4	0.4	0
495	3	Biased	0.4	0.4	0
496	3	Biased	0.4	0.4	0
497	3	Unbiased	0.4	0.4	0
498	3	Unbiased	0.4	0.4	0
499	3	Unbiased	0.4	0.4	0
500	3	Unbiased	0.4	0.4	0
502	3	Unbiased	0.4	0.4	0

Test Statistics ()

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	0.4	0.4	0.4	0	0.4	0.4	0.4	0	0	0	0	0
3	0.4	0.4	0.4	0	0.4	0.4	0.4	0	0	0	0	0
10	0.4	0.4	0.4	0	0.4	0.4	0.4	0	0	0	0	0
30	0.4	0.4	0.4	0	0.4	0.4	0.4	0	0	0	0	0
50	0.4	0.4	0.4	0	0.4	0.4	0.4	0	0	0	0	0
100	0.4	0.4	0.4	0	0.4	0.4	0.4	0	0	0	0	0

ce Test: 24.51 SYNC_IN_DUTY_CYCLE_RANGE(UTYCYCLE|GNG_60%/SYNC1/5//OPEN//@SYNC_IN_DUTY_CYCLE_RAN





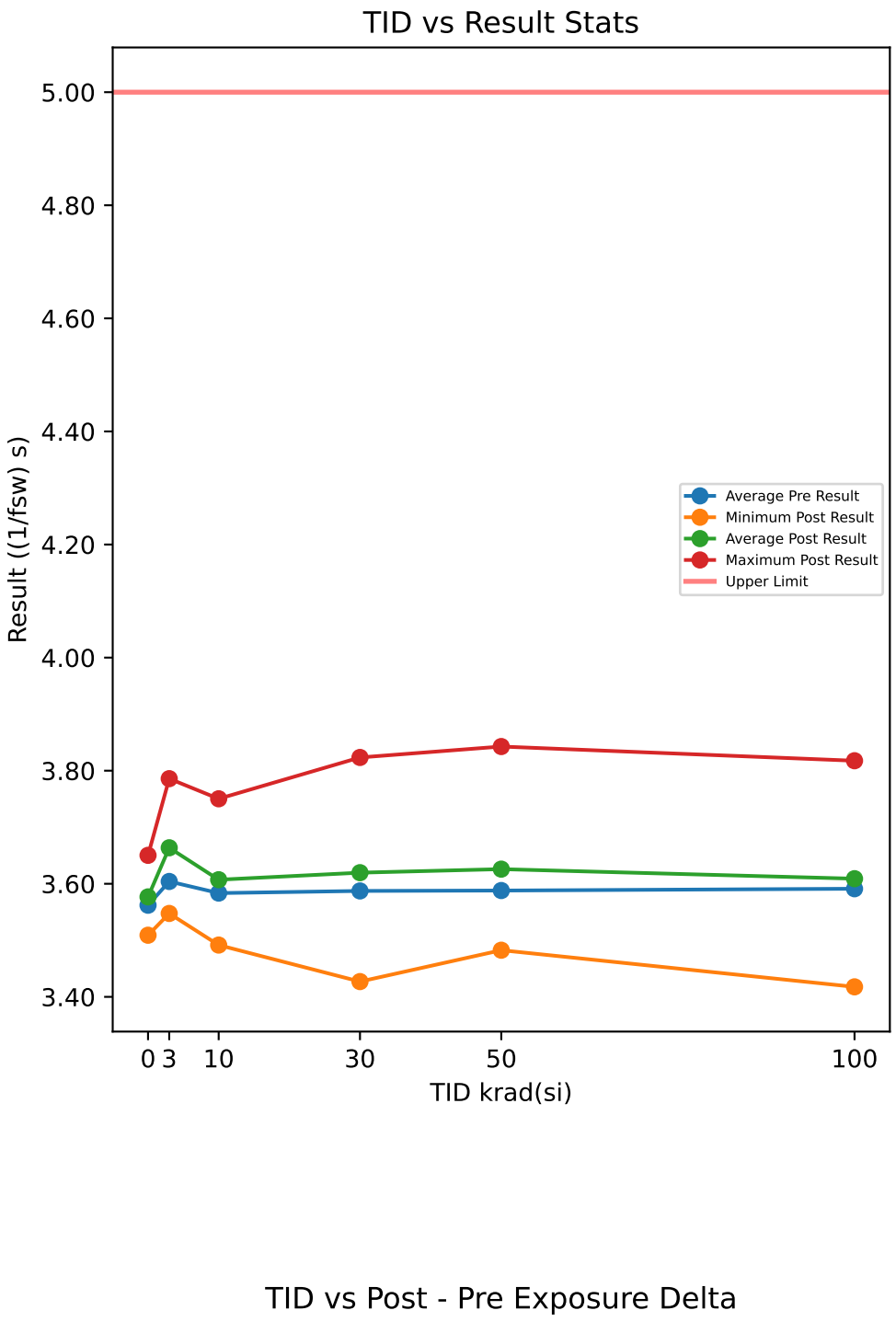
Test Results (Lower Limit = 0.4, Upper Limit = 0.6 ())

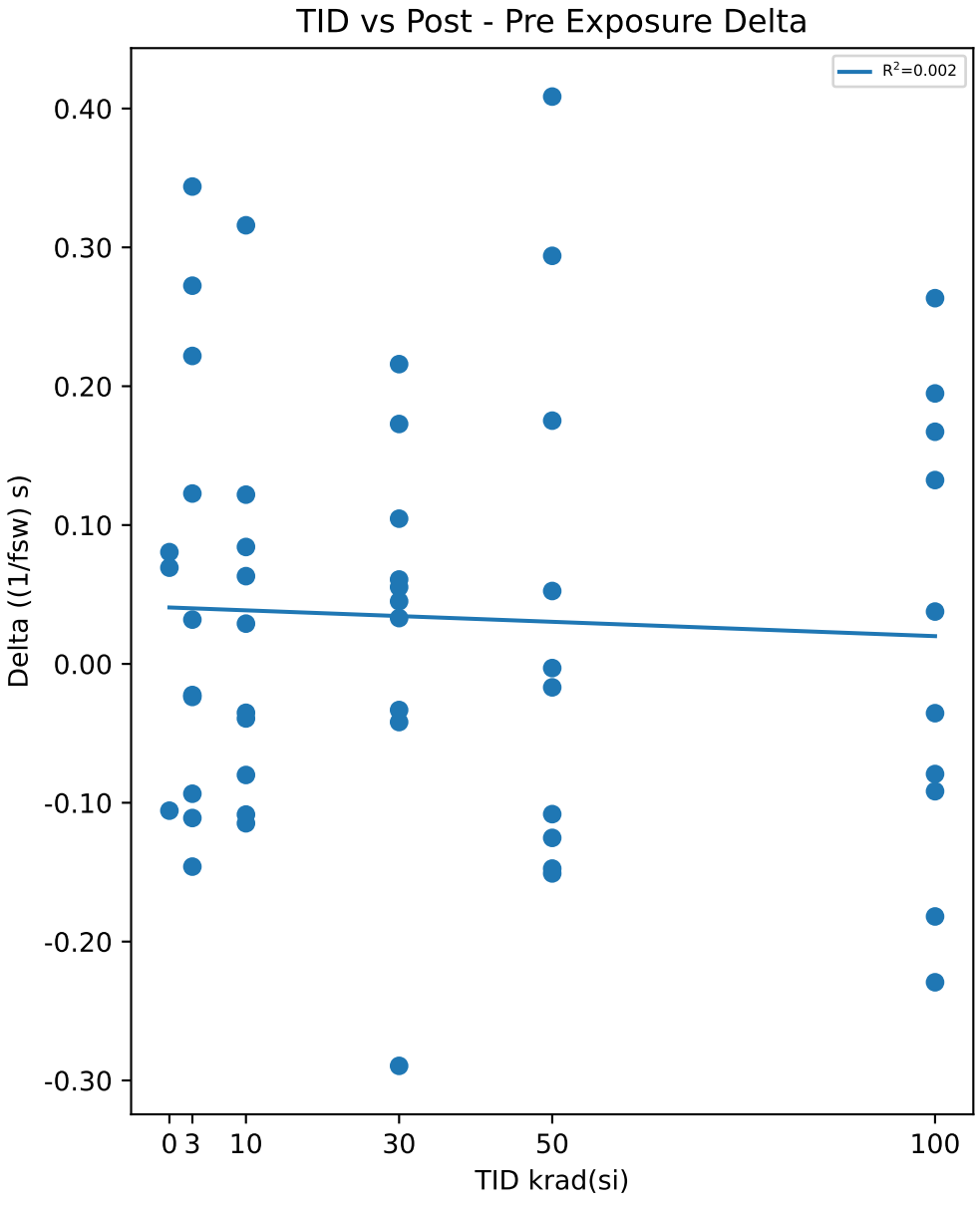
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
390	100	Biased	0.6	0.6	0
392	100	Biased	0.6	0.6	0
393	100	Biased	0.6	0.6	0
394	100	Biased	0.6	0.6	0
395	100	Biased	0.6	0.6	0
412	100	Unbiased	0.6	0.6	0
413	100	Unbiased	0.6	0.6	0
414	100	Unbiased	0.6	0.6	0
415	100	Unbiased	0.6	0.6	0
416	100	Unbiased	0.6	0.6	0
417	50	Biased	0.6	0.6	0
418	50	Biased	0.6	0.6	0
419	50	Biased	0.6	0.6	0
421	50	Biased	0.6	0.6	0
422	50	Biased	0.6	0.6	0
423	50	Unbiased	0.6	0.6	0
424	50	Unbiased	0.6	0.6	0
425	50	Unbiased	0.6	0.6	0
426	50	Unbiased	0.6	0.6	0
427	50	Unbiased	0.6	0.6	0
463	0	Corr	0.6	0.6	0
464	0	Corr	0.6	0.6	0
465	0	Corr	0.6	0.6	0
466	30	Biased	0.6	0.6	0
469	30	Biased	0.6	0.6	0
470	30	Biased	0.6	0.6	0
472	30	Biased	0.6	0.6	0
474	30	Biased	0.6	0.6	0
475	30	Unbiased	0.6	0.6	0
477	30	Unbiased	0.6	0.6	0
478	30	Unbiased	0.6	0.6	0
479	30	Unbiased	0.6	0.6	0
480	30	Unbiased	0.6	0.6	0
481	10	Biased	0.6	0.6	0
482	10	Biased	0.6	0.6	0
483	10	Biased	0.6	0.6	0
484	10	Biased	0.6	0.6	0
485	10	Biased	0.6	0.6	0
487	10	Unbiased	0.6	0.6	0
488	10	Unbiased	0.6	0.6	0
489	10	Unbiased	0.6	0.6	0
490	10	Unbiased	0.6	0.6	0
491	10	Unbiased	0.6	0.6	0
492	3	Biased	0.6	0.6	0
493	3	Biased	0.6	0.6	0
494	3	Biased	0.6	0.6	0
495	3	Biased	0.6	0.6	0
496	3	Biased	0.6	0.6	0
497	3	Unbiased	0.6	0.6	0
498	3	Unbiased	0.6	0.6	0
499	3	Unbiased	0.6	0.6	0
500	3	Unbiased	0.6	0.6	0
502	3	Unbiased	0.6	0.6	0

Test Statistics ()

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	0.6	0.6	0.6	0	0.6	0.6	0.6	0	0	0	0	0
3	0.6	0.6	0.6	0	0.6	0.6	0.6	0	0	0	0	0
10	0.6	0.6	0.6	0	0.6	0.6	0.6	0	0	0	0	0
30	0.6	0.6	0.6	0	0.6	0.6	0.6	0	0	0	0	0
50	0.6	0.6	0.6	0	0.6	0.6	0.6	0	0	0	0	0
100	0.6	0.6	0.6	0	0.6	0.6	0.6	0	0	0	0	0

Device Test: 24.52 T_CLOCK_DET(TIMING|CLKDETECT/SYNC1/5//511k//@T_CLOCK_DET)





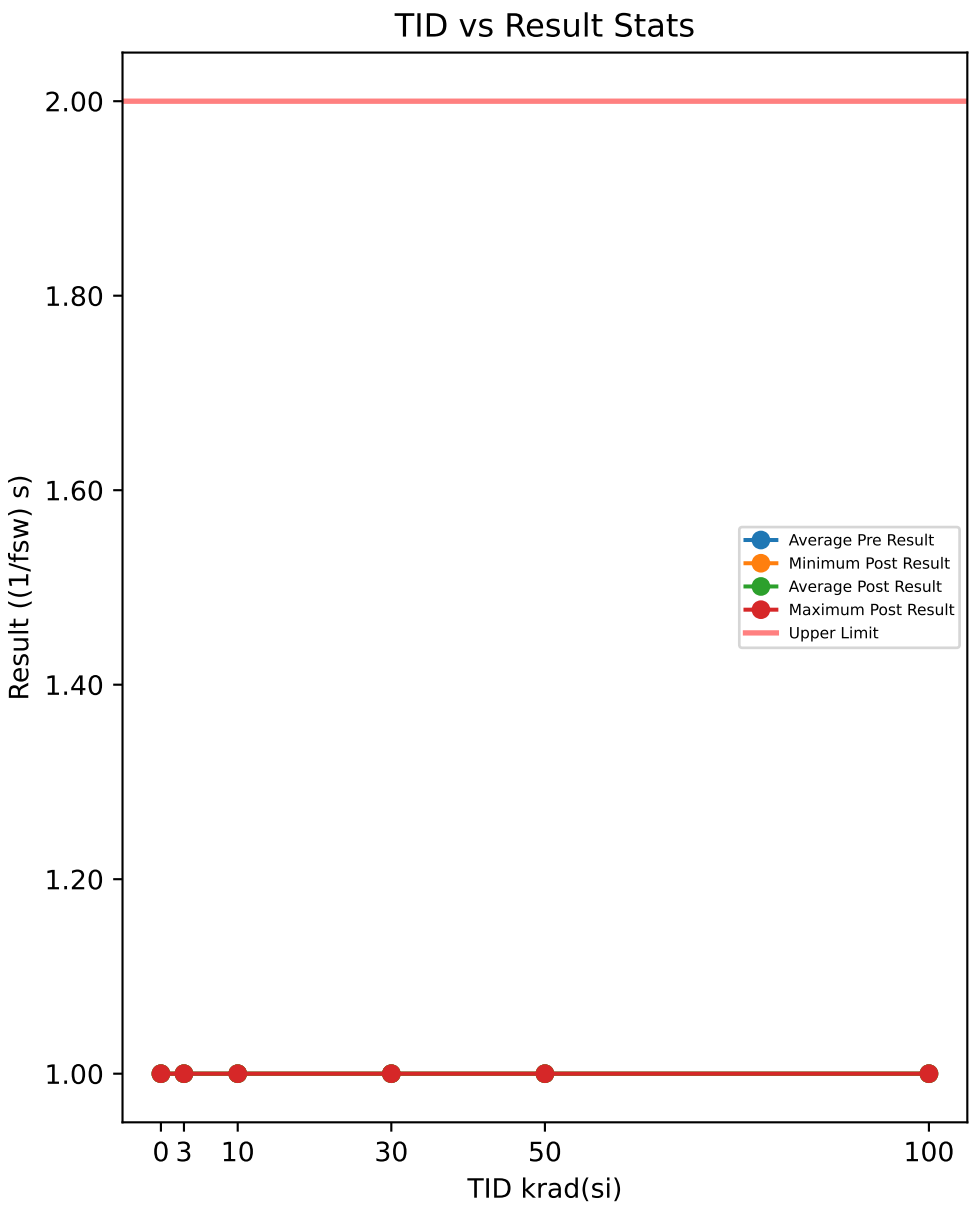
Test Results (Upper Limit = 5.0 ((1/fsw) s))

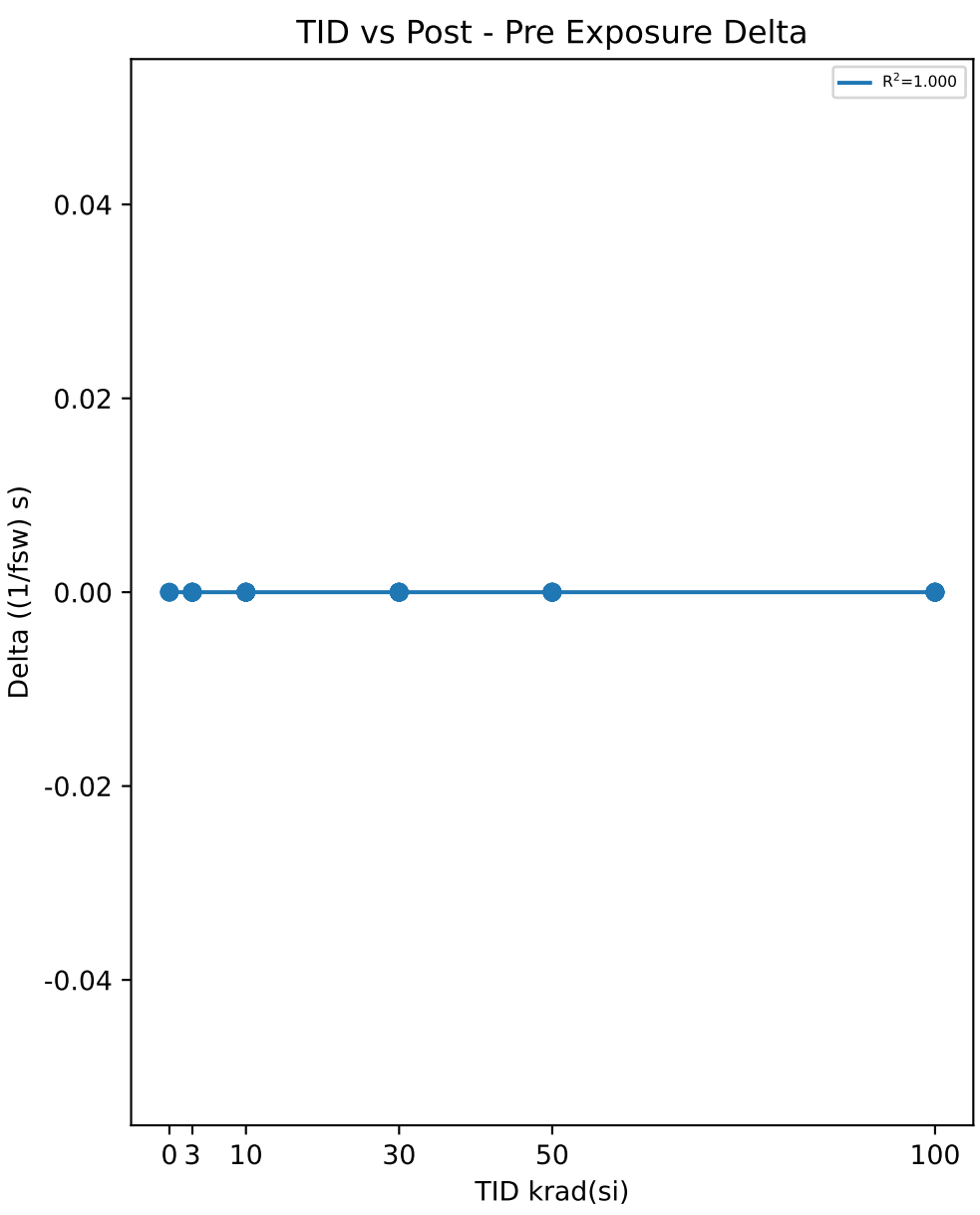
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
390	100	Biased	3.6318	3.5401	-0.0917
392	100	Biased	3.647	3.4177	-0.2293
393	100	Biased	3.5182	3.6854	0.1672
394	100	Biased	3.553	3.6854	0.1324
395	100	Biased	3.6741	3.4922	-0.1819
412	100	Unbiased	3.5542	3.8176	0.2634
413	100	Unbiased	3.5401	3.4608	-0.0793
414	100	Unbiased	3.5789	3.6166	0.0377
415	100	Unbiased	3.6989	3.6634	-0.0355
416	100	Unbiased	3.5158	3.7106	0.1948
417	50	Biased	3.4341	3.8427	0.4086
418	50	Biased	3.6729	3.5255	-0.1474
419	50	Biased	3.6334	3.4825	-0.1509
421	50	Biased	3.5315	3.5285	-0.003
422	50	Biased	3.3954	3.6893	0.2939
423	50	Unbiased	3.7906	3.6653	-0.1253
424	50	Unbiased	3.6329	3.5247	-0.1082
425	50	Unbiased	3.5254	3.5779	0.0525
426	50	Unbiased	3.7016	3.6847	-0.0169
427	50	Unbiased	3.5625	3.7377	0.1752
463	0	Corr	3.5017	3.571	0.0693
464	0	Corr	3.6147	3.509	-0.1057
465	0	Corr	3.5698	3.6503	0.0805
466	30	Biased	3.6089	3.6697	0.0608
469	30	Biased	3.7165	3.427	-0.2895
470	30	Biased	3.6092	3.576	-0.0332
472	30	Biased	3.7681	3.8234	0.0553
474	30	Biased	3.515	3.6196	0.1046
475	30	Unbiased	3.5047	3.6775	0.1728
477	30	Unbiased	3.6602	3.7053	0.0451
478	30	Unbiased	3.5656	3.5237	-0.0419
479	30	Unbiased	3.4543	3.4873	0.033
480	30	Unbiased	3.4708	3.6867	0.2159
481	10	Biased	3.8187	3.7039	-0.1148
482	10	Biased	3.5337	3.6556	0.1219
483	10	Biased	3.5217	3.6059	0.0842
484	10	Biased	3.6269	3.6559	0.029
485	10	Biased	3.5716	3.4916	-0.08
487	10	Unbiased	3.4344	3.7503	0.3159
488	10	Unbiased	3.5807	3.5414	-0.0393
489	10	Unbiased	3.4925	3.5557	0.0632
490	10	Unbiased	3.6152	3.5067	-0.1085
491	10	Unbiased	3.6398	3.6046	-0.0352
492	3	Biased	3.7399	3.6464	-0.0935
493	3	Biased	3.4421	3.7859	0.3438
494	3	Biased	3.517	3.7388	0.2218
495	3	Biased	3.5924	3.57	-0.0224
496	3	Biased	3.5786	3.6105	0.0319
497	3	Unbiased	3.7263	3.6153	-0.111
498	3	Unbiased	3.7346	3.7108	-0.0238
499	3	Unbiased	3.6935	3.5475	-0.146
500	3	Unbiased	3.5238	3.6465	0.1227
502	3	Unbiased	3.4926	3.765	0.2724

Test Statistics ((1/fsw) s)

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	3.5017	3.5621	3.6147	0.056896	3.509	3.5768	3.6503	0.070826	-0.1057	0.0147	0.0805	0.10442
3	3.4421	3.6041	3.7399	0.1115	3.5475	3.6637	3.7859	0.082397	-0.146	0.05959	0.3438	0.17179
10	3.4344	3.5835	3.8187	0.10453	3.4916	3.6072	3.7503	0.084981	-0.1148	0.02364	0.3159	0.13129
30	3.4543	3.5873	3.7681	0.10511	3.427	3.6196	3.8234	0.11782	-0.2895	0.03229	0.2159	0.13886
50	3.3954	3.588	3.7906	0.12192	3.4825	3.6259	3.8427	0.11605	-0.1509	0.03785	0.4086	0.19569
100	3.5158	3.5912	3.6989	0.066532	3.4177	3.609	3.8176	0.12714	-0.2293	0.01778	0.2634	0.16756

Device Test: 24.53 T_CLOCK_DET_EXT(TIMING|CLKDETECT/SYNC1/5//511k//@T_CLOCK_DET_EXT)





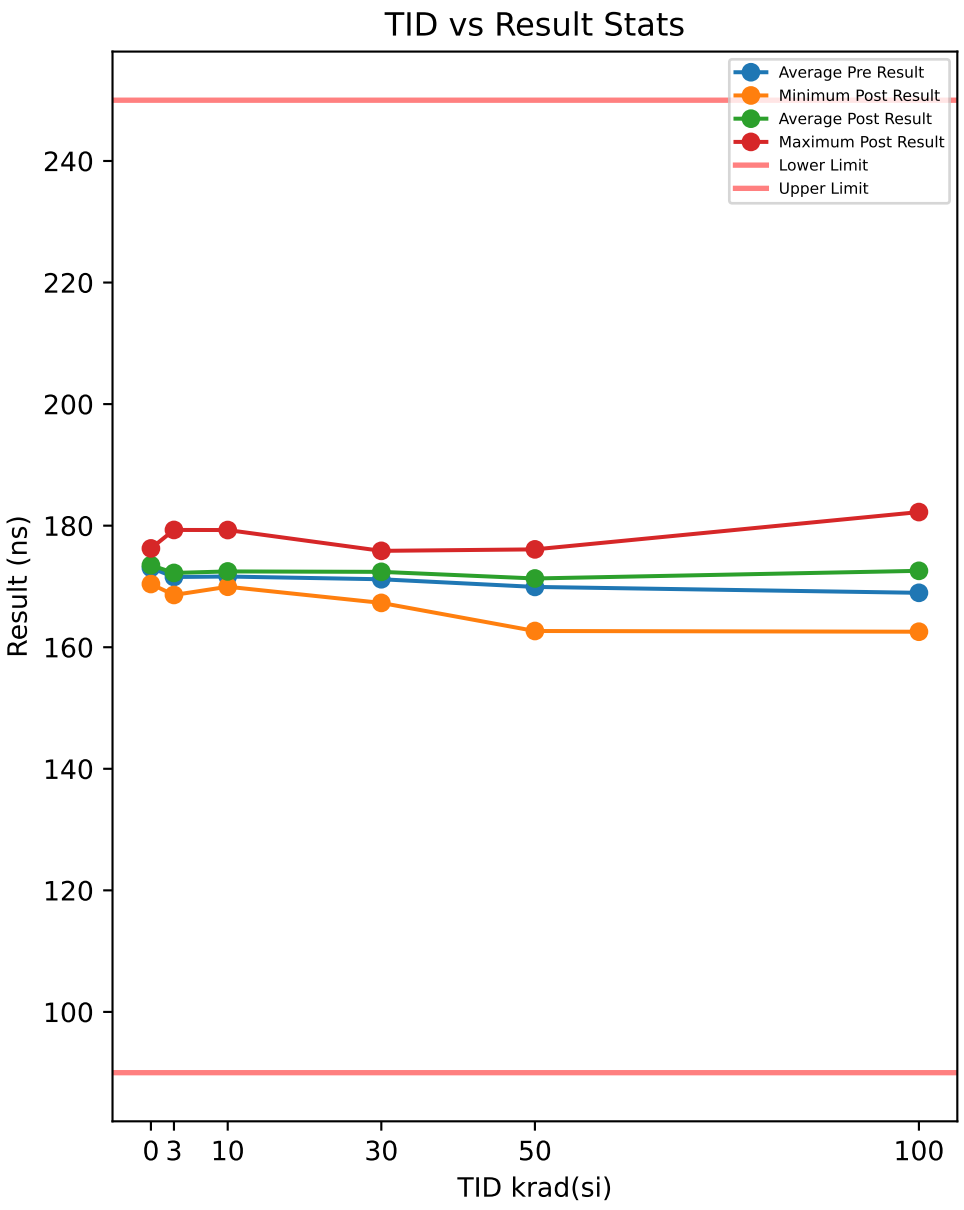
Test Results (Upper Limit = 2.0 ((1/fsw) s))

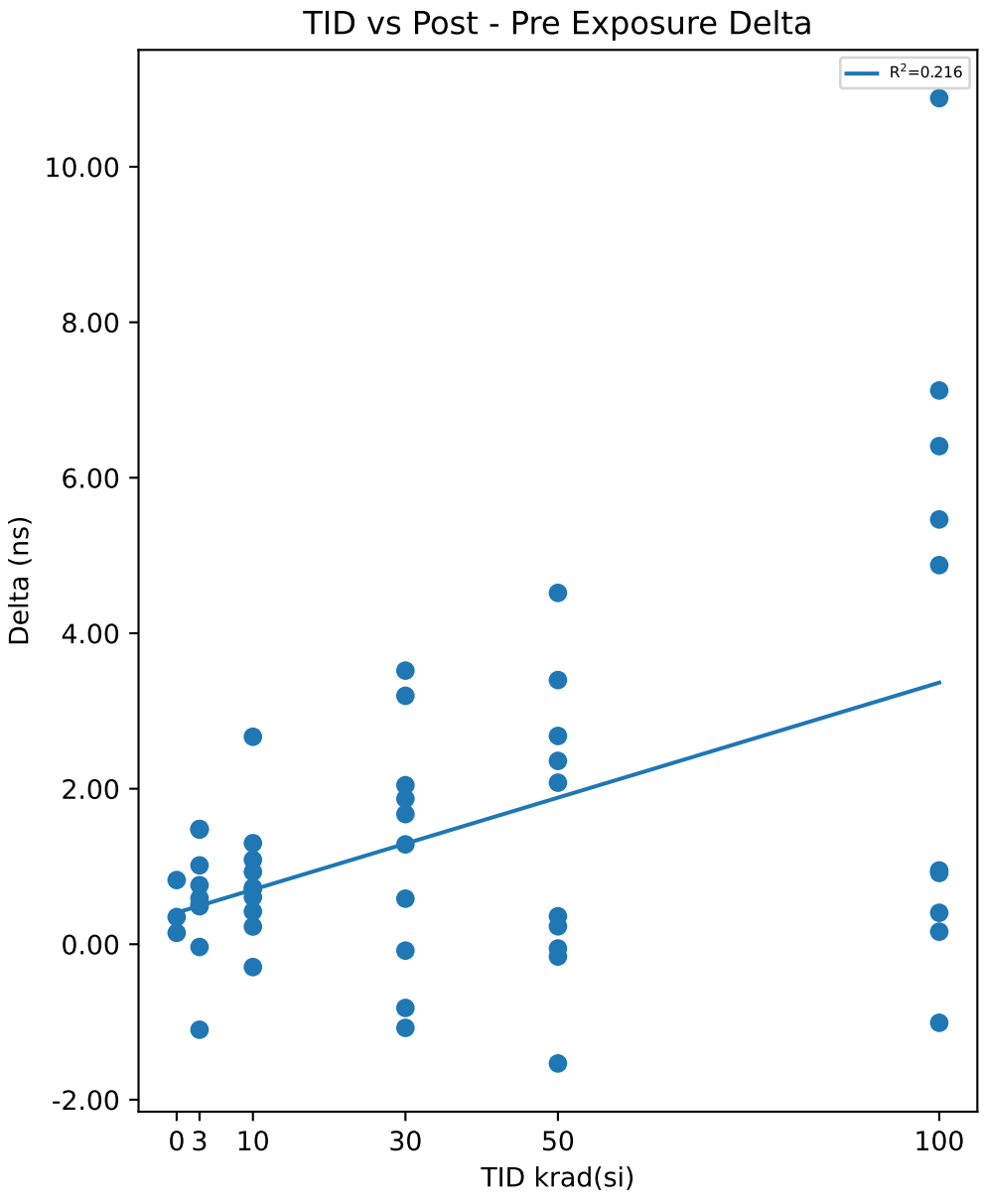
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
390	100	Biased	1	1	0
392	100	Biased	1	1	0
393	100	Biased	1	1	0
394	100	Biased	1	1	0
395	100	Biased	1	1	0
412	100	Unbiased	1	1	0
413	100	Unbiased	1	1	0
414	100	Unbiased	1	1	0
415	100	Unbiased	1	1	0
416	100	Unbiased	1	1	0
417	50	Biased	1	1	0
418	50	Biased	1	1	0
419	50	Biased	1	1	0
421	50	Biased	1	1	0
422	50	Biased	1	1	0
423	50	Unbiased	1	1	0
424	50	Unbiased	1	1	0
425	50	Unbiased	1	1	0
426	50	Unbiased	1	1	0
427	50	Unbiased	1	1	0
463	0	Corr	1	1	0
464	0	Corr	1	1	0
465	0	Corr	1	1	0
466	30	Biased	1	1	0
469	30	Biased	1	1	0
470	30	Biased	1	1	0
472	30	Biased	1	1	0
474	30	Biased	1	1	0
475	30	Unbiased	1	1	0
477	30	Unbiased	1	1	0
478	30	Unbiased	1	1	0
479	30	Unbiased	1	1	0
480	30	Unbiased	1	1	0
481	10	Biased	1	1	0
482	10	Biased	1	1	0
483	10	Biased	1	1	0
484	10	Biased	1	1	0
485	10	Biased	1	1	0
487	10	Unbiased	1	1	0
488	10	Unbiased	1	1	0
489	10	Unbiased	1	1	0
490	10	Unbiased	1	1	0
491	10	Unbiased	1	1	0
492	3	Biased	1	1	0
493	3	Biased	1	1	0
494	3	Biased	1	1	0
495	3	Biased	1	1	0
496	3	Biased	1	1	0
497	3	Unbiased	1	1	0
498	3	Unbiased	1	1	0
499	3	Unbiased	1	1	0
500	3	Unbiased	1	1	0
502	3	Unbiased	1	1	0

Test Statistics ((1/fsw) s)

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	1	1	1	0	1	1	1	0	0	0	0	0
3	1	1	1	0	1	1	1	0	0	0	0	0
10	1	1	1	0	1	1	1	0	0	0	0	0
30	1	1	1	0	1	1	1	0	0	0	0	0
50	1	1	1	0	1	1	1	0	0	0	0	0
100	1	1	1	0	1	1	1	0	0	0	0	0

Device Test: 24.56 SYNC1_SW_DELAY_OUTPUT(TIMING|DELAY/SYNC1/5//511k//@SYNC1_SW_DELAY_OUTPUT)





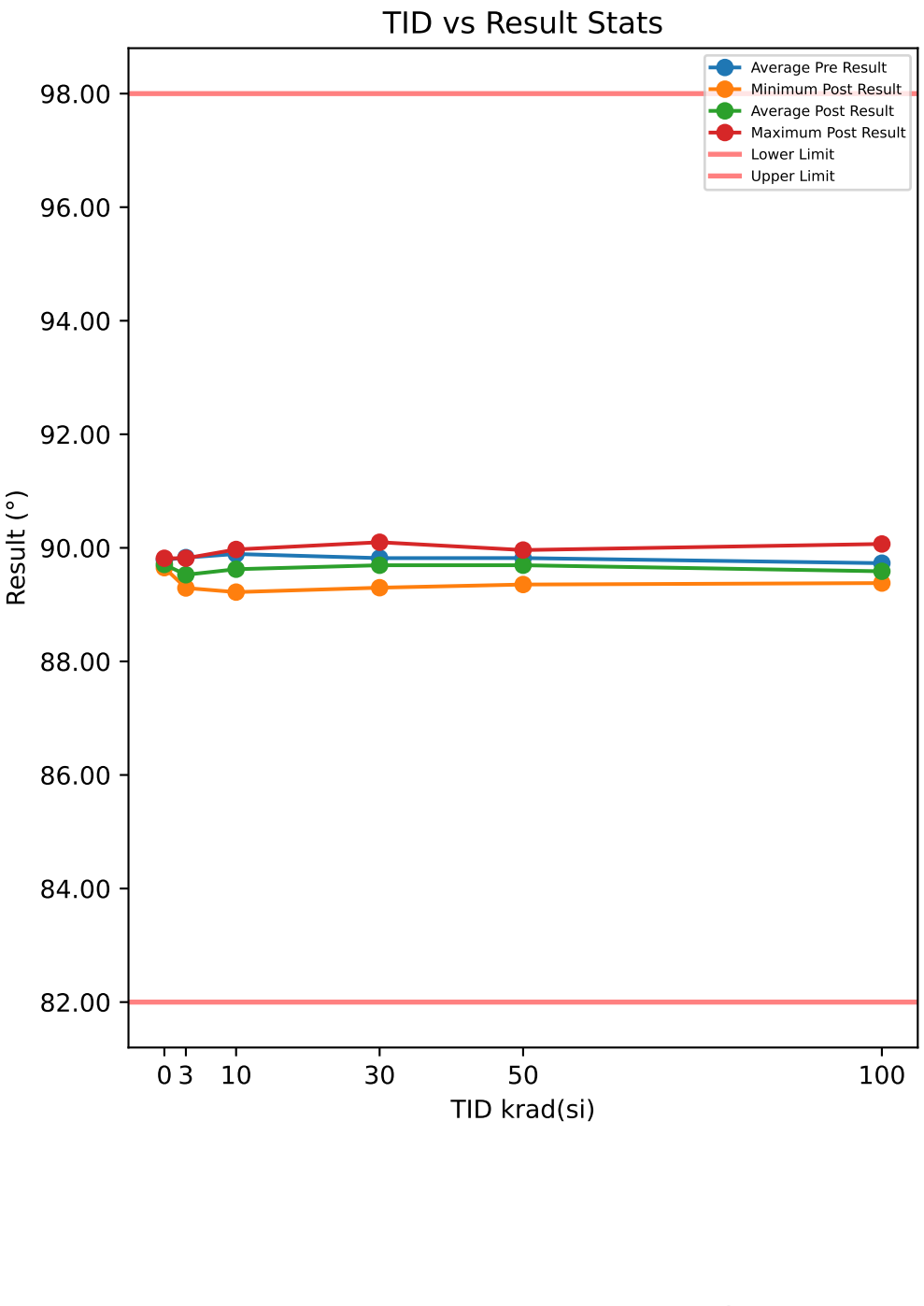
Test Results (Lower Limit = 90.0, Upper Limit = 250.0 (ns))

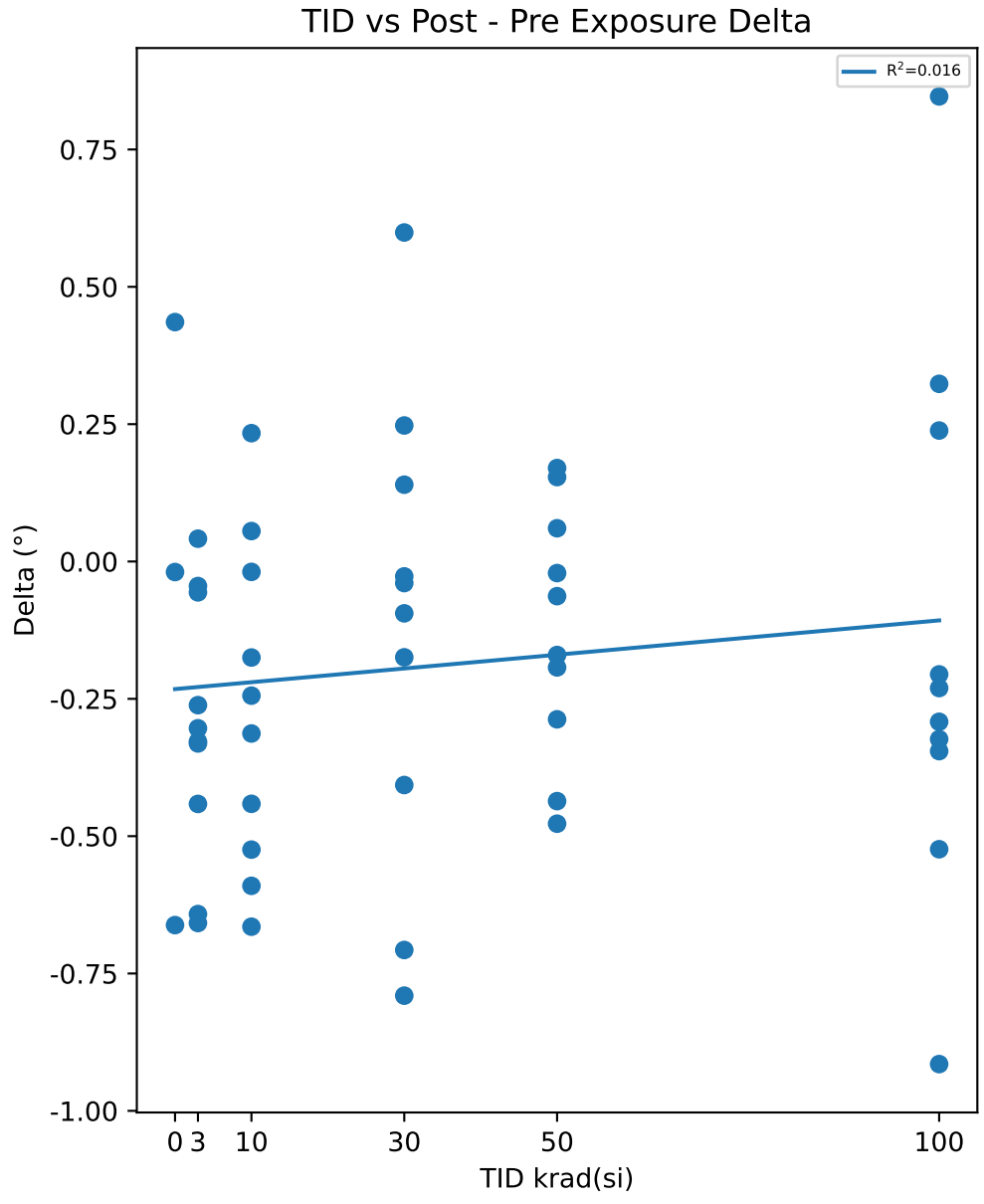
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
390	100	Biased	168.26	169.17	0.9165
392	100	Biased	168.15	175.28	7.1227
393	100	Biased	165.53	170.4	4.8763
394	100	Biased	167.93	173.39	5.4635
395	100	Biased	169.04	175.45	6.407
412	100	Unbiased	171.77	172.17	0.4044
413	100	Unbiased	162.39	162.55	0.1614
414	100	Unbiased	173.38	174.33	0.949
415	100	Unbiased	171.35	182.24	10.883
416	100	Unbiased	171.71	170.7	-1.0106
417	50	Biased	170.81	173.49	2.679
418	50	Biased	173.6	175.68	2.0778
419	50	Biased	166.93	170.33	3.398
421	50	Biased	168.94	171.3	2.3582
422	50	Biased	171.58	176.1	4.5191
423	50	Unbiased	173.29	171.75	-1.5335
424	50	Unbiased	167.87	168.1	0.2305
425	50	Unbiased	172.38	172.22	-0.1584
426	50	Unbiased	171.1	171.46	0.3597
427	50	Unbiased	162.72	162.67	-0.0546
463	0	Corr	170.05	170.4	0.3498
464	0	Corr	173.02	173.84	0.8252
465	0	Corr	176.11	176.26	0.146
466	30	Biased	173.6	175.27	1.6736
469	30	Biased	166.62	168.49	1.8708
470	30	Biased	169.48	173	3.5195
472	30	Biased	170.33	172.37	2.0454
474	30	Biased	172.66	175.86	3.1955
475	30	Unbiased	173.11	173.03	-0.0822
477	30	Unbiased	176.36	175.54	-0.8197
478	30	Unbiased	166.71	167.29	0.586
479	30	Unbiased	171.49	170.41	-1.0761
480	30	Unbiased	171.46	172.74	1.2842
481	10	Biased	173.7	174.42	0.728
482	10	Biased	171.99	172.7	0.7107
483	10	Biased	169.65	170.08	0.4219
484	10	Biased	170.95	172.25	1.2997
485	10	Biased	168.13	170.8	2.6687
487	10	Unbiased	171.36	172.29	0.9311
488	10	Unbiased	170.49	171.57	1.0869
489	10	Unbiased	170.24	169.95	-0.2938
490	10	Unbiased	179.05	179.28	0.2277
491	10	Unbiased	170.73	171.34	0.6058
492	3	Biased	169.83	170.85	1.0144
493	3	Biased	169.63	171.11	1.4808
494	3	Biased	169.23	170.71	1.4738
495	3	Biased	168.63	168.6	-0.0354
496	3	Biased	173.28	174.04	0.7595
497	3	Unbiased	172.78	173.3	0.515
498	3	Unbiased	169.33	170.81	1.4825
499	3	Unbiased	178.7	179.3	0.592
500	3	Unbiased	173.36	173.85	0.4888
502	3	Unbiased	170.77	169.67	-1.0998

Test Statistics (ns)

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	170.05	173.06	176.11	3.0299	170.4	173.5	176.26	2.9429	0.146	0.44033	0.8252	0.34853
3	168.63	171.56	178.7	3.0739	168.6	172.22	179.3	3.0592	-1.0998	0.66716	1.4825	0.80159
10	168.13	171.63	179.05	2.9851	169.95	172.47	179.28	2.7343	-0.2938	0.83867	2.6687	0.78486
30	166.62	171.18	176.36	3.0405	167.29	172.4	175.86	2.9109	-1.0761	1.2197	3.5195	1.5647
50	162.72	169.92	173.6	3.3621	162.67	171.31	176.1	3.8546	-1.5335	1.3876	4.5191	1.8954
100	162.39	168.95	173.38	3.2973	162.55	172.57	182.24	5.089	-1.0106	3.6173	10.883	3.8865

Device Test: 24.57 SYNC_PH_SHIFT(TIMING|PHASESHIFT/SYNC1/5//511k//@SYNC_PH_SHIFT)





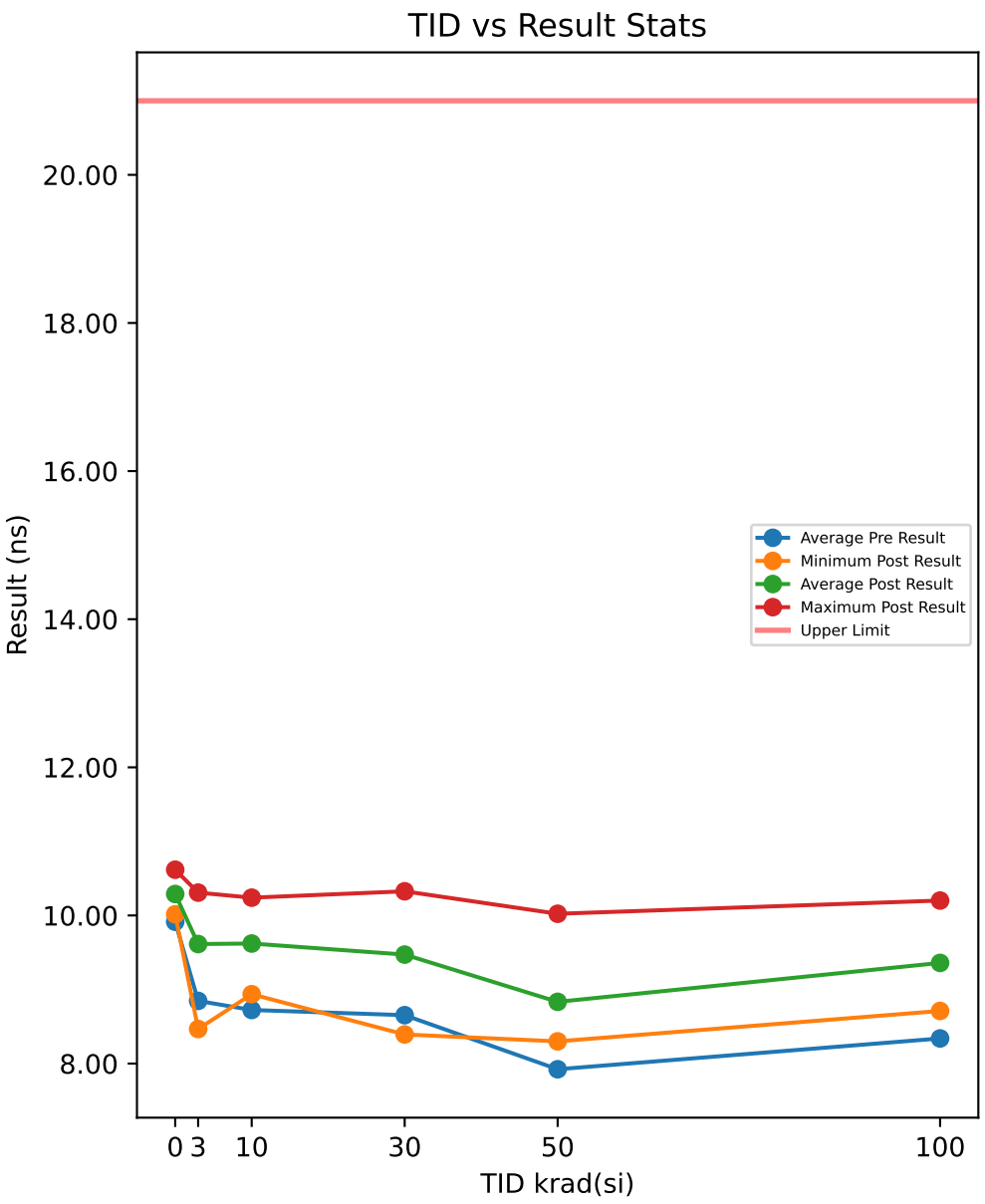
Test Results (Lower Limit = 82.0, Upper Limit = 98.0 (°))

Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
390	100	Biased	89.989	89.465	-0.5238
392	100	Biased	90.295	89.38	-0.9149
393	100	Biased	89.222	90.068	0.8466
394	100	Biased	89.983	89.691	-0.2918
395	100	Biased	89.312	89.55	0.2384
412	100	Unbiased	89.903	89.579	-0.3234
413	100	Unbiased	89.867	89.522	-0.3452
414	100	Unbiased	89.651	89.421	-0.2304
415	100	Unbiased	89.389	89.713	0.3234
416	100	Unbiased	89.69	89.484	-0.2055
417	50	Biased	89.758	89.912	0.1537
418	50	Biased	90.024	89.961	-0.0631
419	50	Biased	89.999	89.711	-0.2873
421	50	Biased	90.025	89.548	-0.4773
422	50	Biased	89.79	89.354	-0.4362
423	50	Unbiased	89.679	89.509	-0.1702
424	50	Unbiased	89.75	89.811	0.0605
425	50	Unbiased	89.77	89.577	-0.1928
426	50	Unbiased	89.632	89.611	-0.0211
427	50	Unbiased	89.774	89.944	0.1701
463	0	Corr	90.318	89.656	-0.6619
464	0	Corr	89.381	89.816	0.4358
465	0	Corr	89.67	89.651	-0.0192
466	30	Biased	89.324	89.923	0.5989
469	30	Biased	89.762	89.355	-0.4069
470	30	Biased	89.776	89.602	-0.1744
472	30	Biased	90.51	89.719	-0.7903
474	30	Biased	89.635	89.775	0.1398
475	30	Unbiased	90.193	90.099	-0.0944
477	30	Unbiased	89.639	89.612	-0.0271
478	30	Unbiased	90.005	89.298	-0.7072
479	30	Unbiased	89.756	89.717	-0.0393
480	30	Unbiased	89.591	89.839	0.2476
481	10	Biased	90.149	89.836	-0.3131
482	10	Biased	89.883	89.442	-0.4411
483	10	Biased	90.147	89.972	-0.1748
484	10	Biased	90.037	89.372	-0.6648
485	10	Biased	89.534	89.768	0.2336
487	10	Unbiased	89.968	89.444	-0.5245
488	10	Unbiased	89.87	89.851	-0.0189
489	10	Unbiased	89.811	89.221	-0.5904
490	10	Unbiased	89.816	89.871	0.0554
491	10	Unbiased	89.707	89.463	-0.2442
492	3	Biased	89.873	89.817	-0.0562
493	3	Biased	89.81	89.506	-0.3036
494	3	Biased	89.695	89.368	-0.3277
495	3	Biased	89.734	89.293	-0.4413
496	3	Biased	89.973	89.712	-0.2615
497	3	Unbiased	89.424	89.466	0.0415
498	3	Unbiased	89.832	89.501	-0.3312
499	3	Unbiased	90.119	89.477	-0.6418
500	3	Unbiased	90.033	89.375	-0.6581
502	3	Unbiased	89.79	89.745	-0.0447

Test Statistics (°)

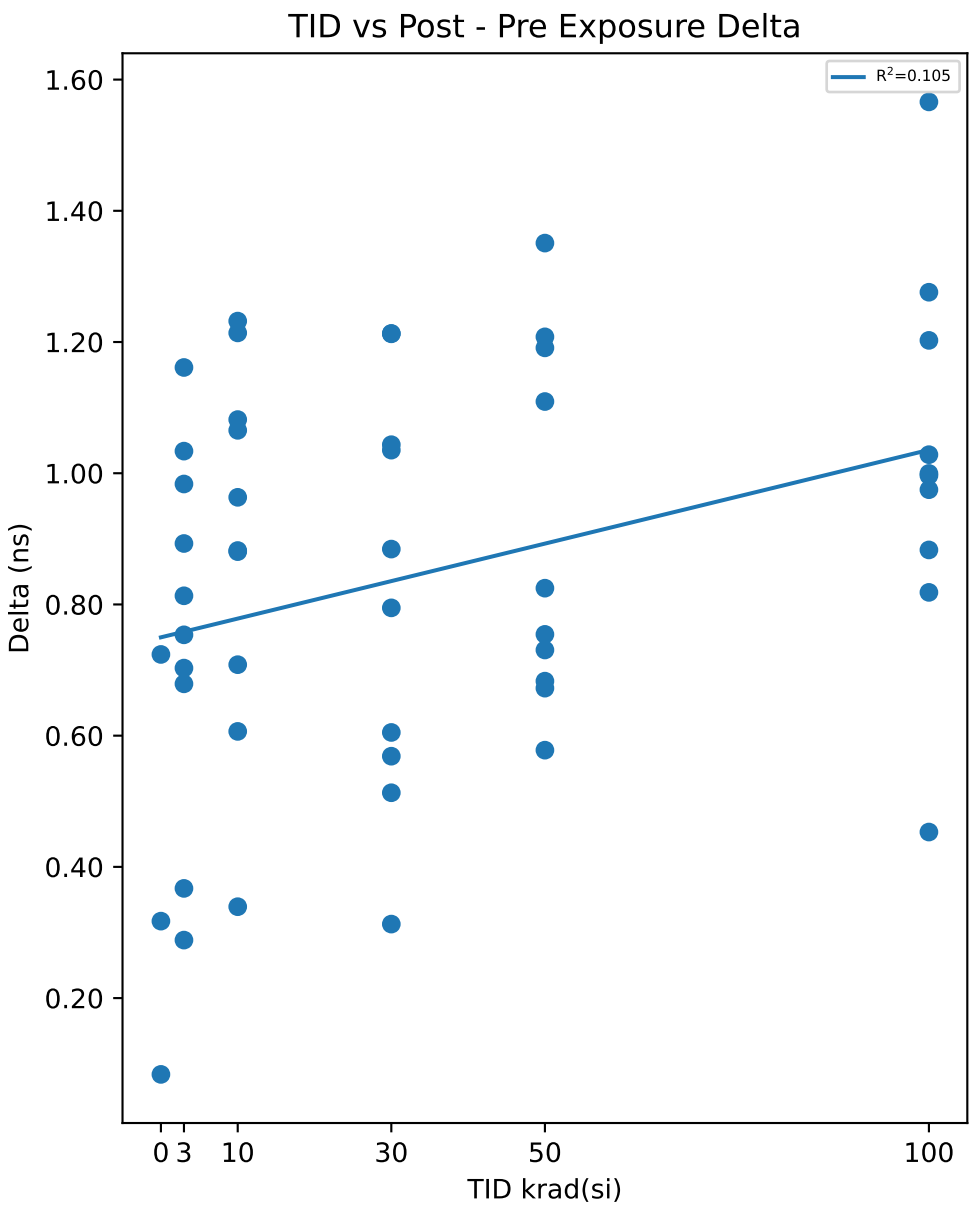
krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	89.381	89.789	90.318	0.47982	89.651	89.708	89.816	0.094169	-0.6619	-0.081767	0.4358	0.55152
3	89.424	89.828	90.119	0.19474	89.293	89.526	89.817	0.17527	-0.6581	-0.30246	0.0415	0.23792
10	89.534	89.892	90.149	0.19227	89.221	89.624	89.972	0.2619	-0.6648	-0.26828	0.2336	0.29565
30	89.324	89.819	90.51	0.33737	89.298	89.694	90.099	0.24302	-0.7903	-0.12533	0.5989	0.42352
50	89.632	89.82	90.025	0.14339	89.354	89.694	89.961	0.20732	-0.4773	-0.12637	0.1701	0.22797
100	89.222	89.73	90.295	0.3425	89.38	89.587	90.068	0.19998	-0.9149	-0.14266	0.8466	0.49332

Device Test: 24.58 SYNC_LH_RISE_TIME(TIMING|RISE/SYNC1/5//511k//@SYNC_LH_RISE_TIME)



Test Results (Upper Limit = 21.0 (ns))

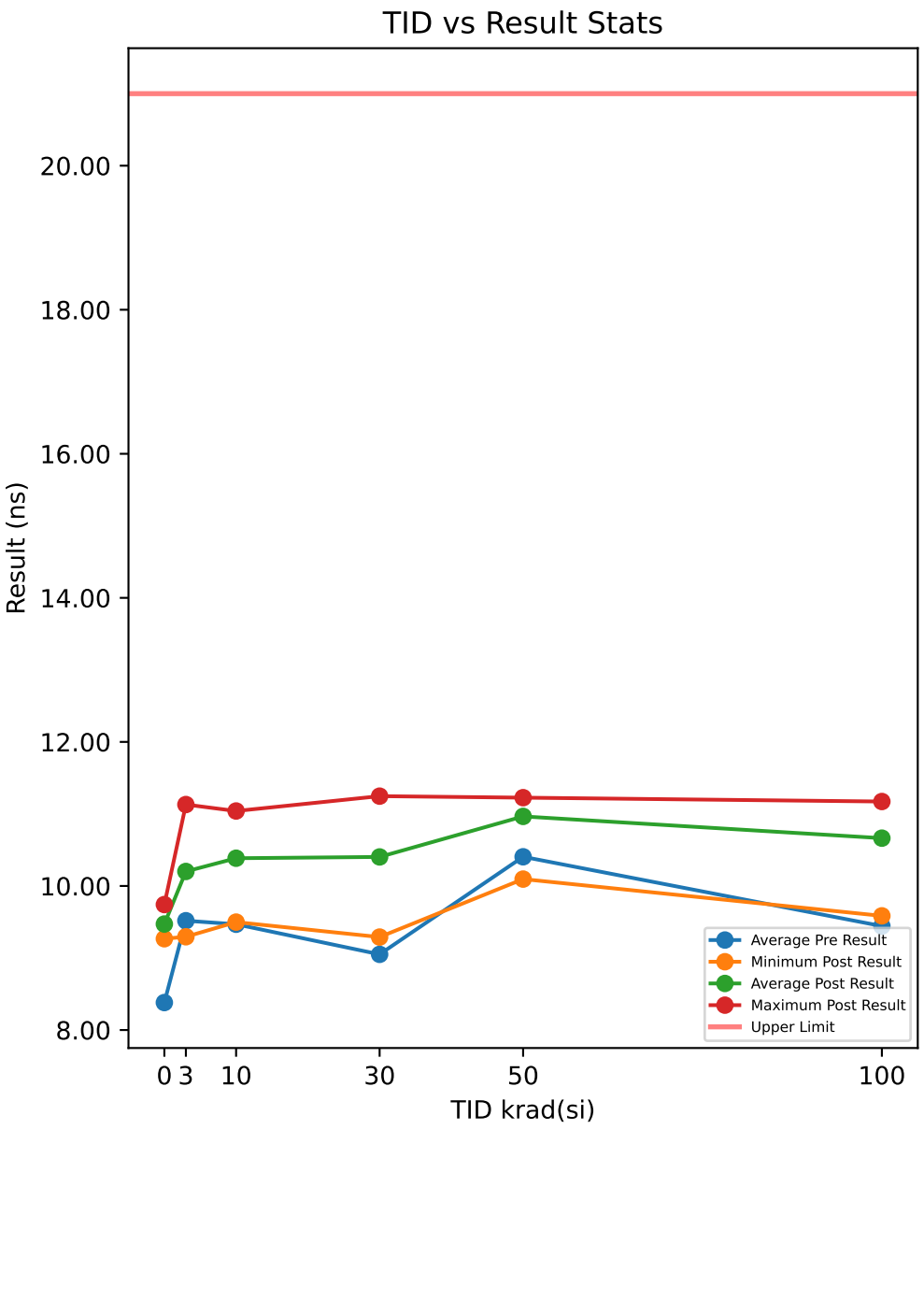
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
390	100	Biased	9.748	10.201	0.4531
392	100	Biased	8.0739	9.6399	1.566
393	100	Biased	8.1058	9.1341	1.0283
394	100	Biased	8.4238	9.6997	1.2759
395	100	Biased	7.7555	8.7304	0.9749
412	100	Unbiased	8.4952	9.6977	1.2025
413	100	Unbiased	8.8726	9.691	0.8184
414	100	Unbiased	7.8834	8.7665	0.8831
415	100	Unbiased	7.7139	8.7104	0.9965
416	100	Unbiased	8.3203	9.32	0.9997
417	50	Biased	7.7587	8.4418	0.6831
418	50	Biased	7.7219	8.2998	0.5779
419	50	Biased	7.7665	8.9744	1.2079
421	50	Biased	7.7508	8.4232	0.6724
422	50	Biased	8.8315	10.023	1.1911
423	50	Unbiased	8.1662	8.9206	0.7544
424	50	Unbiased	7.9976	9.3484	1.3508
425	50	Unbiased	7.6504	8.381	0.7306
426	50	Unbiased	7.8066	8.9159	1.1093
427	50	Unbiased	7.7822	8.607	0.8248
463	0	Corr	9.9185	10.236	0.3173
464	0	Corr	9.2917	10.015	0.7238
465	0	Corr	10.534	10.617	0.0837
466	30	Biased	7.788	8.3929	0.6049
469	30	Biased	10.013	10.326	0.3128
470	30	Biased	8.6009	9.6361	1.0352
472	30	Biased	8.0722	9.2853	1.2131
474	30	Biased	7.9743	8.8587	0.8844
475	30	Unbiased	8.6533	9.4481	0.7948
477	30	Unbiased	8.4158	8.9288	0.513
478	30	Unbiased	8.8417	10.054	1.2125
479	30	Unbiased	9.6892	10.258	0.5687
480	30	Unbiased	8.4856	9.5291	1.0435
481	10	Biased	8.2072	9.0877	0.8805
482	10	Biased	9.9006	10.24	0.3393
483	10	Biased	7.8548	8.9366	1.0818
484	10	Biased	9.4204	10.129	0.7082
485	10	Biased	8.2958	9.5097	1.2139
487	10	Unbiased	8.8556	9.921	1.0654
488	10	Unbiased	8.6889	9.6522	0.9633
489	10	Unbiased	8.6023	9.4845	0.8822
490	10	Unbiased	7.9694	9.2013	1.2319
491	10	Unbiased	9.4418	10.048	0.6065
492	3	Biased	8.2111	9.3723	1.1612
493	3	Biased	8.9429	9.9265	0.9836
494	3	Biased	9.8207	10.109	0.2884
495	3	Biased	7.9167	8.8096	0.8929
496	3	Biased	9.3982	10.152	0.7537
497	3	Unbiased	9.4071	10.11	0.703
498	3	Unbiased	8.0539	9.0876	1.0337
499	3	Unbiased	8.9836	9.7968	0.8132
500	3	Unbiased	7.7873	8.4663	0.679
502	3	Unbiased	9.9409	10.308	0.3672

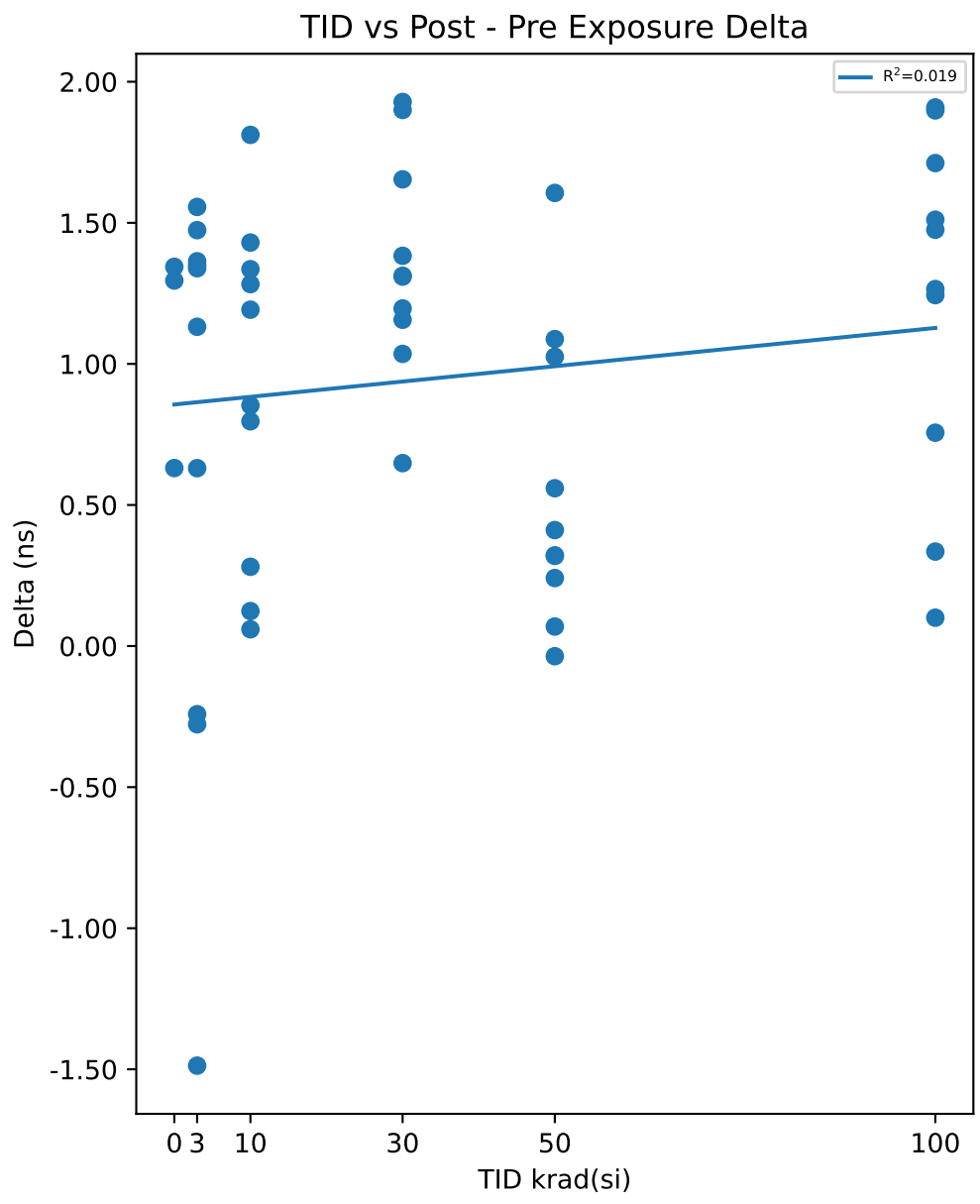


Test Statistics (ns)

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	9.2917	9.9146	10.534	0.62096	10.015	10.29	10.617	0.30448	0.0837	0.37493	0.7238	0.32392
3	7.7873	8.8462	9.9409	0.8036	8.4663	9.6138	10.308	0.64059	0.2884	0.76759	1.1612	0.27736
10	7.8548	8.7237	9.9006	0.68259	8.9366	9.621	10.24	0.45634	0.3393	0.8973	1.2319	0.28108
30	7.788	8.6534	10.013	0.71435	8.3929	9.4717	10.326	0.63133	0.3128	0.81829	1.2131	0.31101
50	7.6504	7.9232	8.8315	0.35266	8.2998	8.8335	10.023	0.535	0.5779	0.91023	1.3508	0.27561
100	7.7139	8.3392	9.748	0.6115	8.7104	9.3591	10.201	0.51078	0.4531	1.0198	1.566	0.29453

Device Test: 24.59 SYNC_LH_RISE_TIME(TIMING|RISE/SYNC2/5//511k//@SYNC_LH_RISE_TIME)





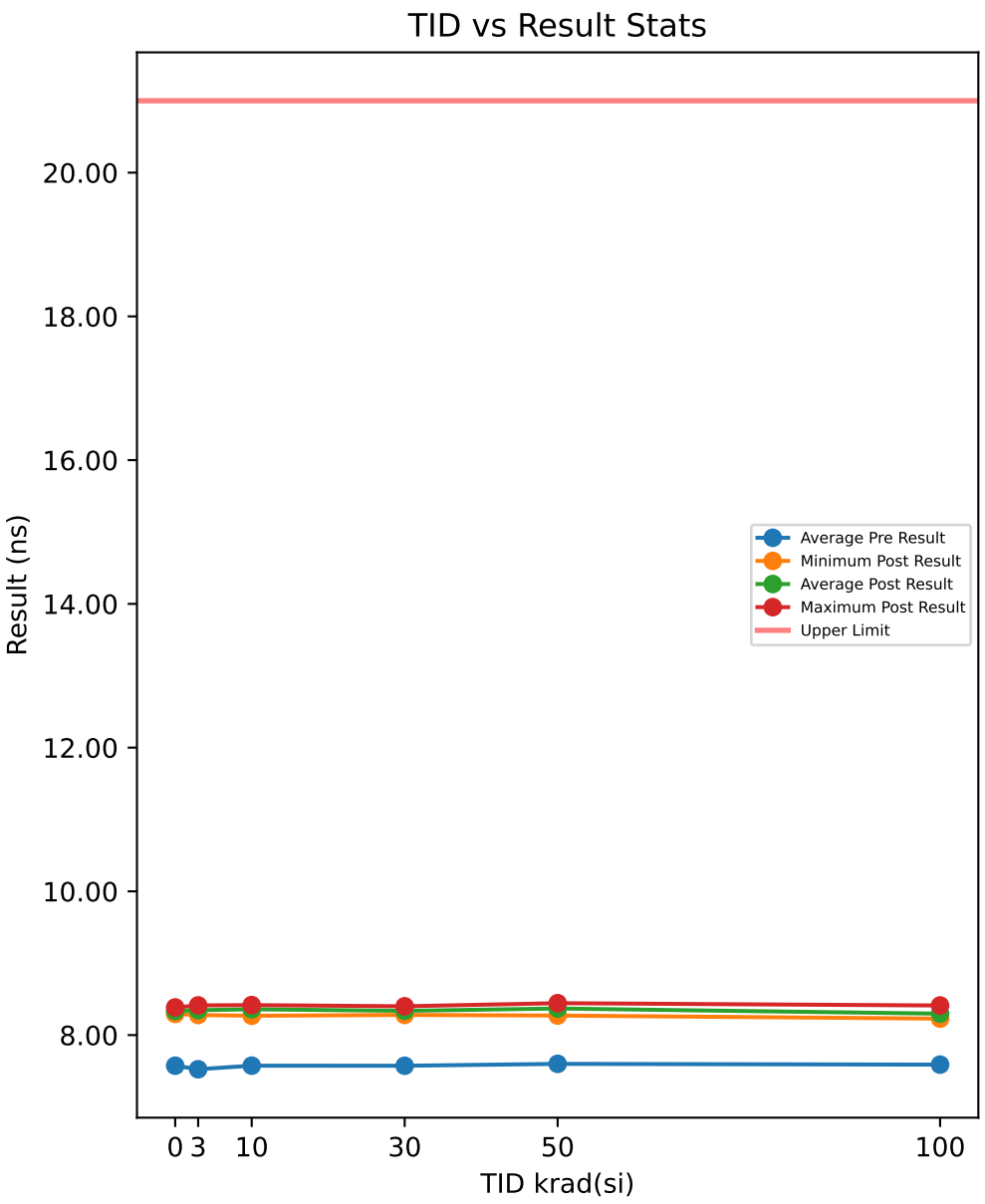
Test Results (Upper Limit = 21.0 (ns))

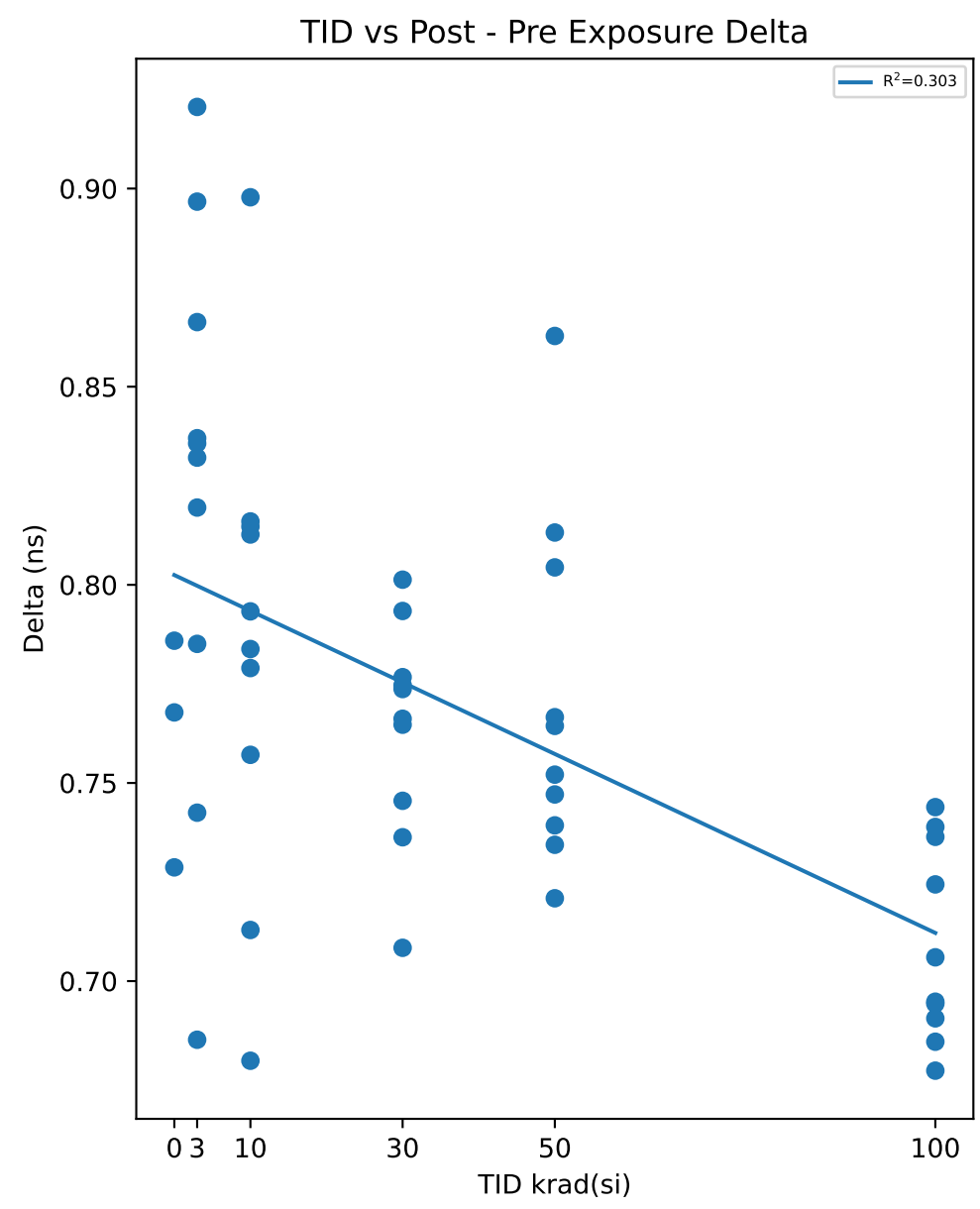
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
390	100	Biased	8.074	9.585	1.511
392	100	Biased	9.2433	10.509	1.2653
393	100	Biased	9.6264	10.87	1.2437
394	100	Biased	9.1104	10.586	1.4754
395	100	Biased	10.68	11.015	0.3349
412	100	Unbiased	8.8441	10.556	1.7117
413	100	Unbiased	8.4812	10.38	1.8984
414	100	Unbiased	10.304	11.06	0.7562
415	100	Unbiased	11.072	11.172	0.1005
416	100	Unbiased	8.9953	10.904	1.909
417	50	Biased	10.891	11.21	0.3196
418	50	Biased	11.262	11.226	-0.036
419	50	Biased	10.634	10.955	0.3214
421	50	Biased	10.608	11.167	0.5593
422	50	Biased	8.4894	10.095	1.6059
423	50	Unbiased	10.048	11.073	1.0255
424	50	Unbiased	9.6851	10.773	1.0879
425	50	Unbiased	11.086	11.155	0.0692
426	50	Unbiased	10.52	10.931	0.4111
427	50	Unbiased	10.828	11.069	0.2411
463	0	Corr	8.0608	9.4049	1.3441
464	0	Corr	9.1109	9.7418	0.6309
465	0	Corr	7.9717	9.2672	1.2955
466	30	Biased	10.599	11.247	0.6483
469	30	Biased	8.094	9.2905	1.1965
470	30	Biased	8.8793	10.262	1.3831
472	30	Biased	9.4861	10.642	1.1564
474	30	Biased	9.9206	10.956	1.0355
475	30	Unbiased	8.7103	10.61	1.9
477	30	Unbiased	9.1361	11.064	1.9283
478	30	Unbiased	8.5785	9.8909	1.3124
479	30	Unbiased	8.2168	9.5262	1.3094
480	30	Unbiased	8.8851	10.539	1.654
481	10	Biased	9.6687	10.951	1.2827
482	10	Biased	8.1625	9.4982	1.3357
483	10	Biased	10.244	11.041	0.7966
484	10	Biased	8.256	9.6861	1.4301
485	10	Biased	9.4558	10.648	1.1922
487	10	Unbiased	9.404	10.257	0.853
488	10	Unbiased	10.096	10.22	0.1239
489	10	Unbiased	10.324	10.605	0.281
490	10	Unbiased	10.921	10.98	0.0594
491	10	Unbiased	8.1529	9.9646	1.8117
492	3	Biased	10.102	10.733	0.6305
493	3	Biased	9.0105	10.142	1.1316
494	3	Biased	8.0856	9.4247	1.3391
495	3	Biased	11.209	10.932	-0.2773
496	3	Biased	8.1641	9.5132	1.3491
497	3	Unbiased	8.3848	9.7486	1.3638
498	3	Unbiased	11.036	10.794	-0.2415
499	3	Unbiased	8.8268	10.301	1.474
500	3	Unbiased	12.617	11.13	-1.4871
502	3	Unbiased	7.7384	9.2947	1.5563

Test Statistics (ns)

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	7.9717	8.3811	9.1109	0.63356	9.2672	9.4713	9.7418	0.24417	0.6309	1.0902	1.3441	0.39848
3	7.7384	9.5175	12.617	1.6392	9.2947	10.201	11.13	0.67884	-1.4871	0.68385	1.5563	1.0229
10	8.1529	9.4684	10.921	0.98809	9.4982	10.385	11.041	0.54953	0.0594	0.91663	1.8117	0.59964
30	8.094	9.0505	10.599	0.77143	9.2905	10.403	11.247	0.65514	0.6483	1.3524	1.9283	0.3924
50	8.4894	10.405	11.262	0.8189	10.095	10.966	11.226	0.33704	-0.036	0.5605	1.6059	0.51897
100	8.074	9.443	11.072	0.96992	9.585	10.664	11.172	0.46256	0.1005	1.2206	1.909	0.63079

Device Test: 24.60 SYNC_HL_FALL_TIME(TIMING|FALL/SYNC1/5//511k//@SYNC_HL_FALL_TIME)





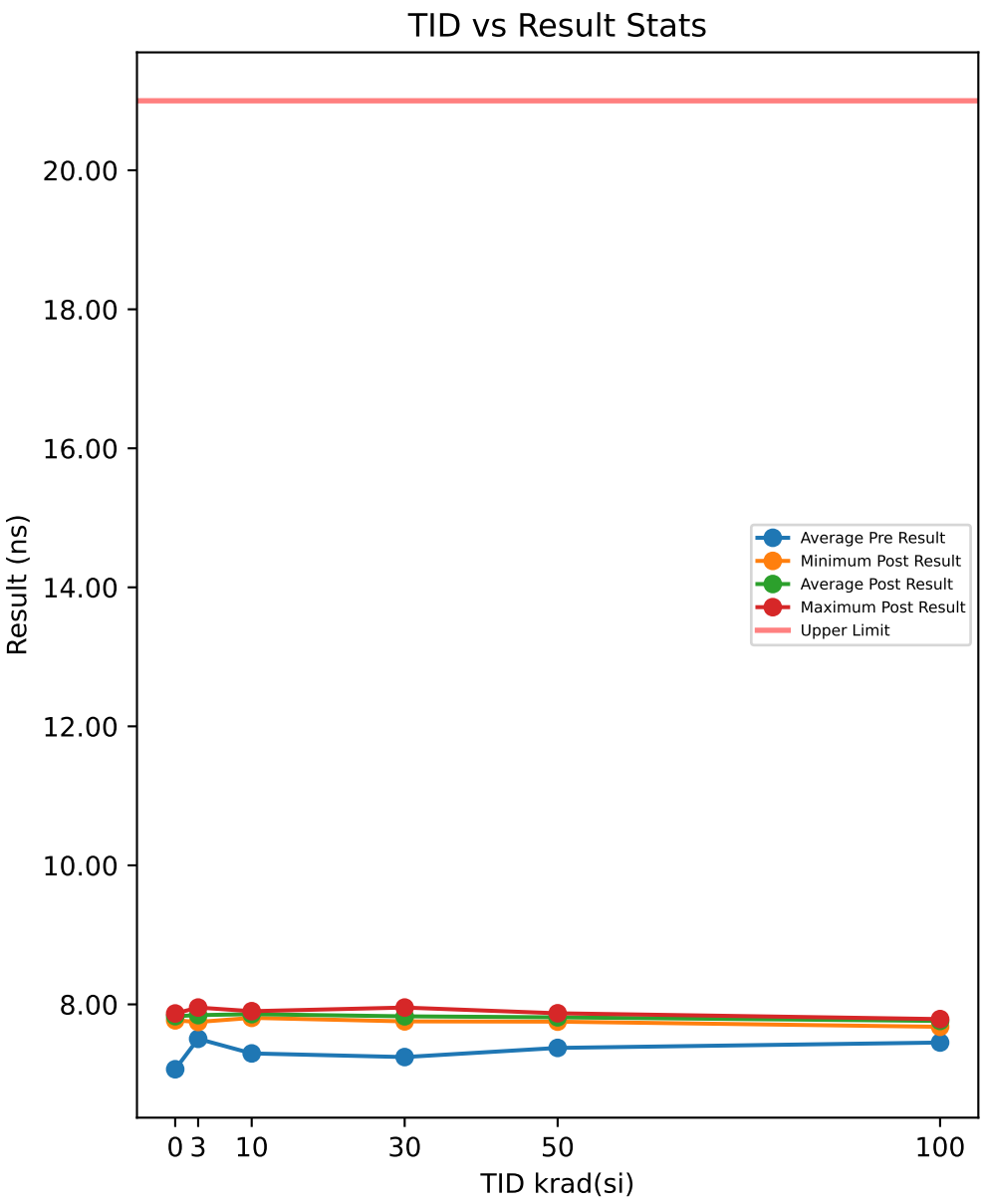
Test Results (Upper Limit = 21.0 (ns))

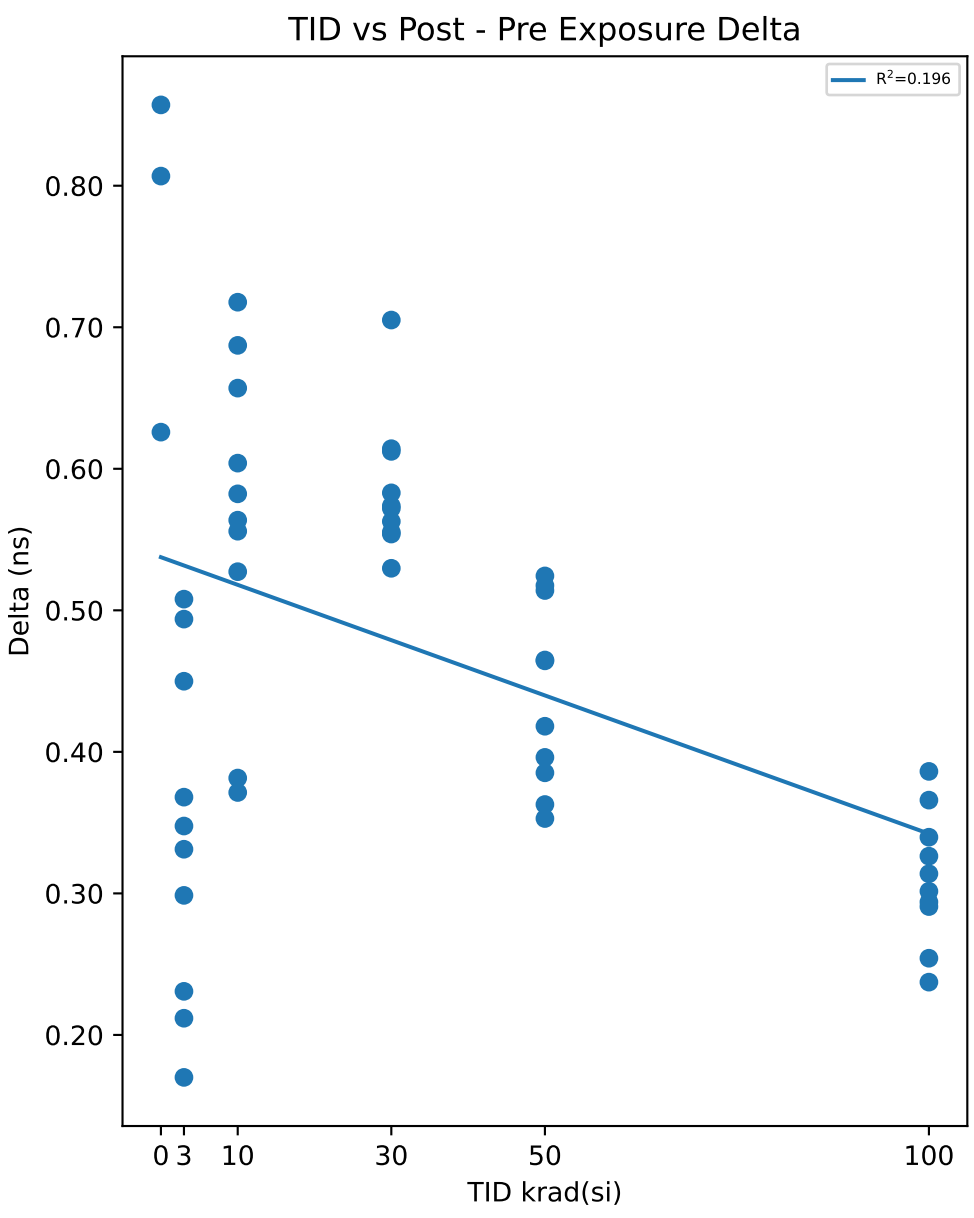
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
390	100	Biased	7.614	8.3529	0.7389
392	100	Biased	7.668	8.4119	0.7439
393	100	Biased	7.5869	8.3233	0.7364
394	100	Biased	7.6281	8.3187	0.6906
395	100	Biased	7.5355	8.2303	0.6948
412	100	Unbiased	7.5344	8.2287	0.6943
413	100	Unbiased	7.5417	8.2661	0.7244
414	100	Unbiased	7.5638	8.2698	0.706
415	100	Unbiased	7.6083	8.2857	0.6774
416	100	Unbiased	7.6068	8.2915	0.6847
417	50	Biased	7.625	8.3894	0.7644
418	50	Biased	7.594	8.3606	0.7666
419	50	Biased	7.6298	8.3769	0.7471
421	50	Biased	7.5812	8.444	0.8628
422	50	Biased	7.6511	8.372	0.7209
423	50	Unbiased	7.5889	8.3933	0.8044
424	50	Unbiased	7.6713	8.4106	0.7393
425	50	Unbiased	7.5606	8.3127	0.7521
426	50	Unbiased	7.5554	8.3686	0.8132
427	50	Unbiased	7.5373	8.2717	0.7344
463	0	Corr	7.5573	8.3251	0.7678
464	0	Corr	7.5653	8.294	0.7287
465	0	Corr	7.5987	8.3846	0.7859
466	30	Biased	7.5611	8.3378	0.7767
469	30	Biased	7.5676	8.3323	0.7647
470	30	Biased	7.5743	8.348	0.7737
472	30	Biased	7.5474	8.3136	0.7662
474	30	Biased	7.651	8.3965	0.7455
475	30	Unbiased	7.6074	8.4008	0.7934
477	30	Unbiased	7.5643	8.339	0.7747
478	30	Unbiased	7.482	8.2833	0.8013
479	30	Unbiased	7.6045	8.3408	0.7363
480	30	Unbiased	7.5721	8.2805	0.7084
481	10	Biased	7.5899	8.4046	0.8147
482	10	Biased	7.6074	8.3203	0.7129
483	10	Biased	7.5743	8.3676	0.7933
484	10	Biased	7.5578	8.3368	0.779
485	10	Biased	7.6076	8.3647	0.7571
487	10	Unbiased	7.5755	8.3915	0.816
488	10	Unbiased	7.6335	8.4173	0.7838
489	10	Unbiased	7.5092	8.3219	0.8127
490	10	Unbiased	7.5004	8.3982	0.8978
491	10	Unbiased	7.5886	8.2685	0.6799
492	3	Biased	7.5748	8.3943	0.8195
493	3	Biased	7.525	8.3571	0.8321
494	3	Biased	7.5056	8.2907	0.7851
495	3	Biased	7.4925	8.4131	0.9206
496	3	Biased	7.6142	8.2994	0.6852
497	3	Unbiased	7.4942	8.3605	0.8663
498	3	Unbiased	7.498	8.335	0.837
499	3	Unbiased	7.5253	8.361	0.8357
500	3	Unbiased	7.4786	8.3753	0.8967
502	3	Unbiased	7.5369	8.2794	0.7425

Test Statistics (ns)

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	7.5573	7.5738	7.5987	0.02196	8.294	8.3346	8.3846	0.046036	0.7287	0.7608	0.7859	0.029235
3	7.4786	7.5245	7.6142	0.041951	8.2794	8.3466	8.4131	0.044765	0.6852	0.82207	0.9206	0.070065
10	7.5004	7.5744	7.6335	0.042334	8.2685	8.3591	8.4173	0.046827	0.6799	0.78472	0.8978	0.060058
30	7.482	7.5732	7.651	0.044026	8.2805	8.3373	8.4008	0.039994	0.7084	0.76409	0.8013	0.027551
50	7.5373	7.5995	7.6713	0.043704	8.2717	8.37	8.444	0.048456	0.7209	0.77052	0.8628	0.043674
100	7.5344	7.5887	7.668	0.044477	8.2287	8.2979	8.4119	0.056222	0.6774	0.70914	0.7439	0.024617

Device Test: 24.61 SYNC_HL_FALL_TIME(TIMING|FALL/SYNC2/5//511k//@SYNC_HL_FALL_TIME)





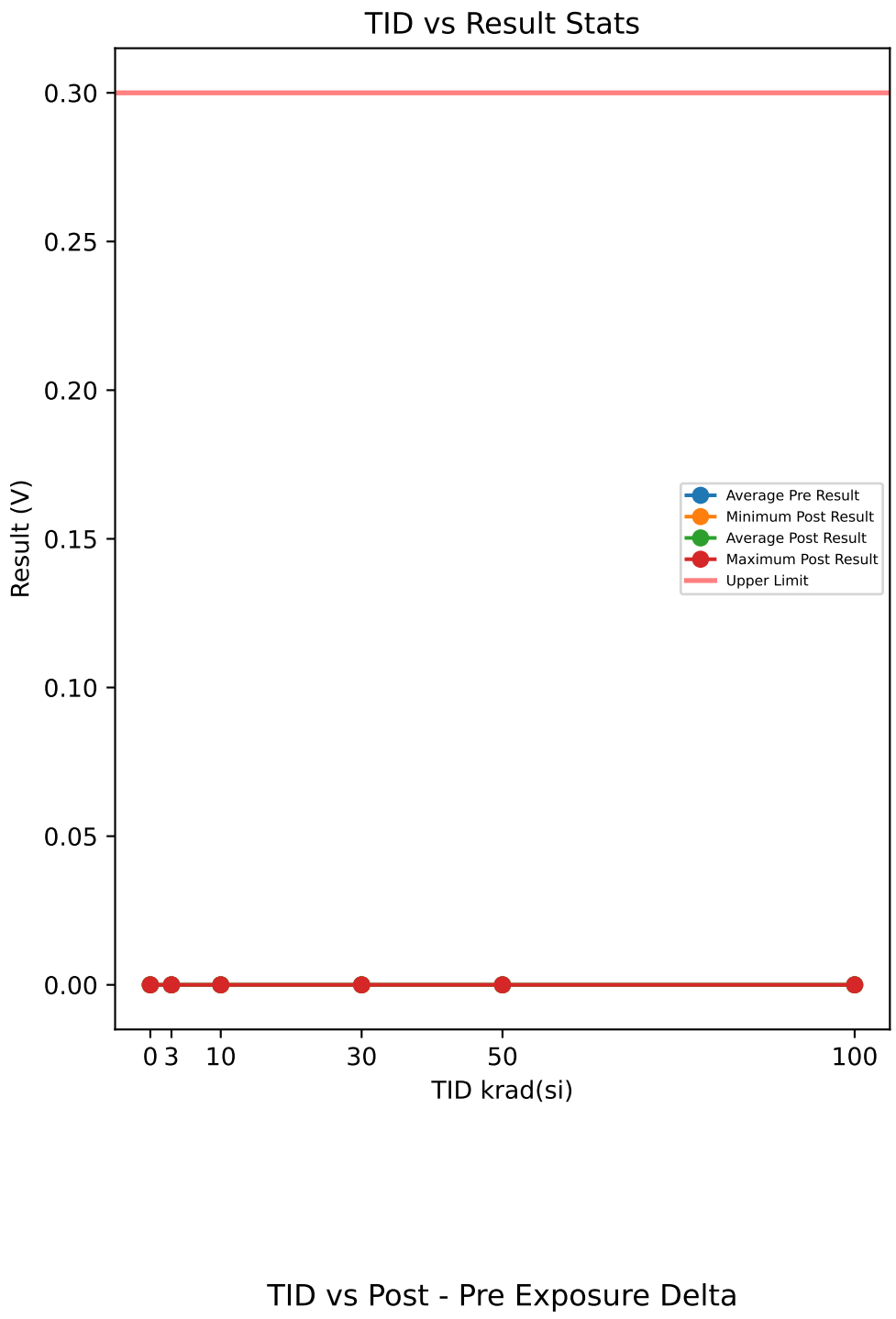
Test Results (Upper Limit = 21.0 (ns))

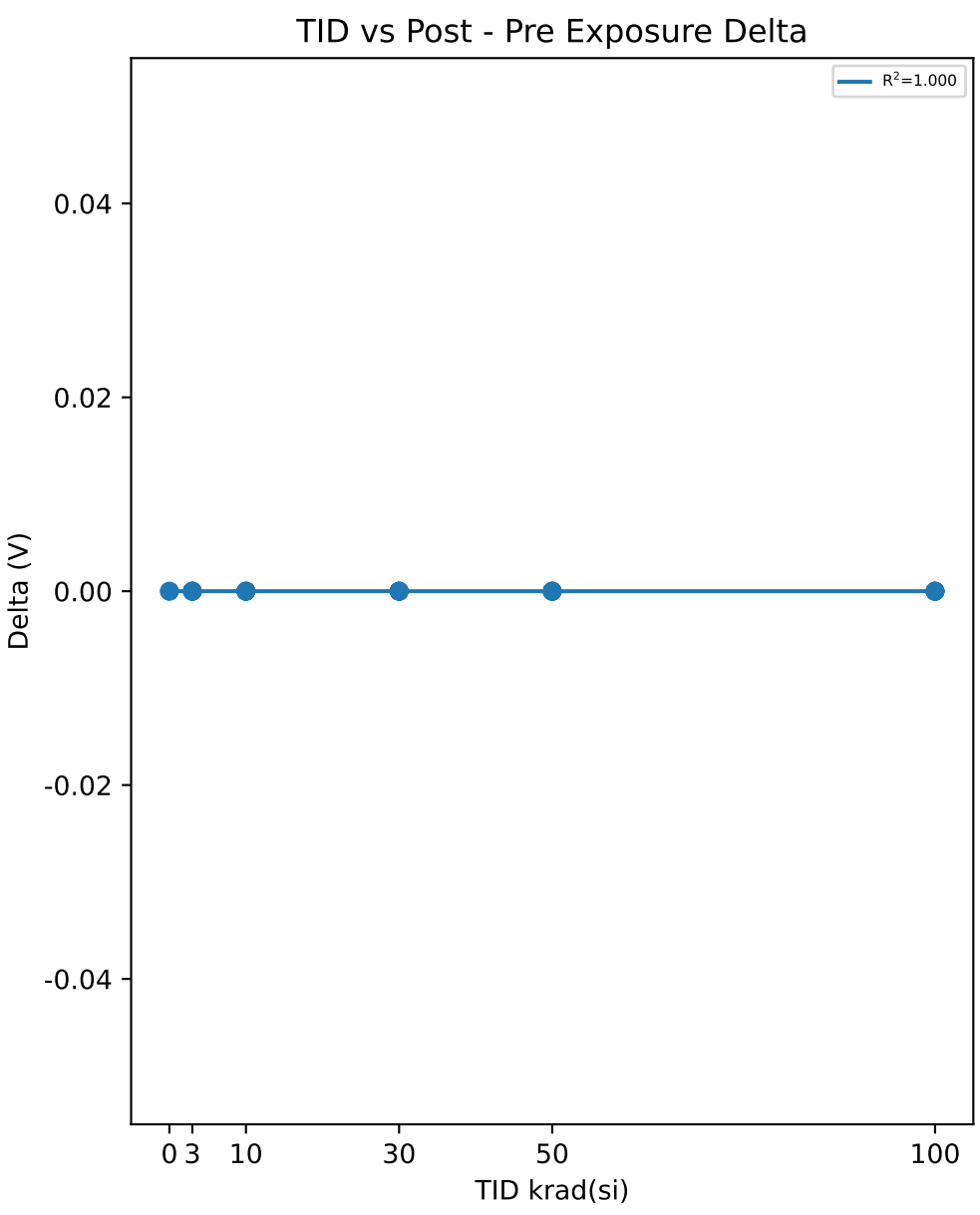
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
390	100	Biased	7.411	7.7769	0.3659
392	100	Biased	7.4678	7.7817	0.3139
393	100	Biased	7.4335	7.7598	0.3263
394	100	Biased	7.4809	7.7716	0.2907
395	100	Biased	7.4022	7.7884	0.3862
412	100	Unbiased	7.3832	7.6771	0.2939
413	100	Unbiased	7.4813	7.7355	0.2542
414	100	Unbiased	7.4443	7.784	0.3397
415	100	Unbiased	7.5246	7.7619	0.2373
416	100	Unbiased	7.4782	7.7797	0.3015
417	50	Biased	7.4652	7.8181	0.3529
418	50	Biased	7.3804	7.8447	0.4643
419	50	Biased	7.3478	7.8618	0.514
421	50	Biased	7.4068	7.8717	0.4649
422	50	Biased	7.4126	7.7978	0.3852
423	50	Unbiased	7.3589	7.777	0.4181
424	50	Unbiased	7.4296	7.8257	0.3961
425	50	Unbiased	7.3885	7.7513	0.3628
426	50	Unbiased	7.2995	7.8238	0.5243
427	50	Unbiased	7.2461	7.7636	0.5175
463	0	Corr	7.1439	7.7698	0.6259
464	0	Corr	7.0436	7.8504	0.8068
465	0	Corr	7.0119	7.869	0.8571
466	30	Biased	7.2618	7.8171	0.5553
469	30	Biased	7.2519	7.7816	0.5297
470	30	Biased	7.2212	7.795	0.5738
472	30	Biased	7.2609	7.8237	0.5628
474	30	Biased	7.2491	7.9542	0.7051
475	30	Unbiased	7.2583	7.8122	0.5539
477	30	Unbiased	7.2223	7.8365	0.6142
478	30	Unbiased	7.1429	7.7552	0.6123
479	30	Unbiased	7.2855	7.8685	0.583
480	30	Unbiased	7.2637	7.8357	0.572
481	10	Biased	7.28	7.8437	0.5637
482	10	Biased	7.2083	7.8653	0.657
483	10	Biased	7.2884	7.8924	0.604
484	10	Biased	7.3205	7.8764	0.5559
485	10	Biased	7.4298	7.8113	0.3815
487	10	Unbiased	7.1842	7.9019	0.7177
488	10	Unbiased	7.176	7.8632	0.6872
489	10	Unbiased	7.2235	7.8058	0.5823
490	10	Unbiased	7.3643	7.8916	0.5273
491	10	Unbiased	7.4675	7.8388	0.3713
492	3	Biased	7.5477	7.8463	0.2986
493	3	Biased	7.5497	7.8809	0.3312
494	3	Biased	7.5647	7.7955	0.2308
495	3	Biased	7.5306	7.8782	0.3476
496	3	Biased	7.5862	7.9542	0.368
497	3	Unbiased	7.2955	7.8034	0.5079
498	3	Unbiased	7.3946	7.8445	0.4499
499	3	Unbiased	7.6619	7.8737	0.2118
500	3	Unbiased	7.2529	7.7467	0.4938
502	3	Unbiased	7.6571	7.8271	0.17

Test Statistics (ns)

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	7.0119	7.0665	7.1439	0.068907	7.7698	7.8297	7.869	0.05273	0.6259	0.76327	0.8571	0.12159
3	7.2529	7.5041	7.6619	0.14221	7.7467	7.8451	7.9542	0.057063	0.17	0.34096	0.5079	0.11729
10	7.176	7.2942	7.4675	0.10149	7.8058	7.859	7.9019	0.033543	0.3713	0.56479	0.7177	0.11606
30	7.1429	7.2418	7.2855	0.039676	7.7552	7.828	7.9542	0.054393	0.5297	0.58621	0.7051	0.04911
50	7.2461	7.3735	7.4652	0.064158	7.7513	7.8136	7.8717	0.040698	0.3529	0.44001	0.5243	0.065621
100	7.3832	7.4507	7.5246	0.04369	7.6771	7.7617	7.7884	0.033517	0.2373	0.31096	0.3862	0.046173

Device Test: 24.62 SYNC_OUT_HIGH(LEVELS|VOH/SYNC1/5//511k//@SYNC_OUT_HIGH)





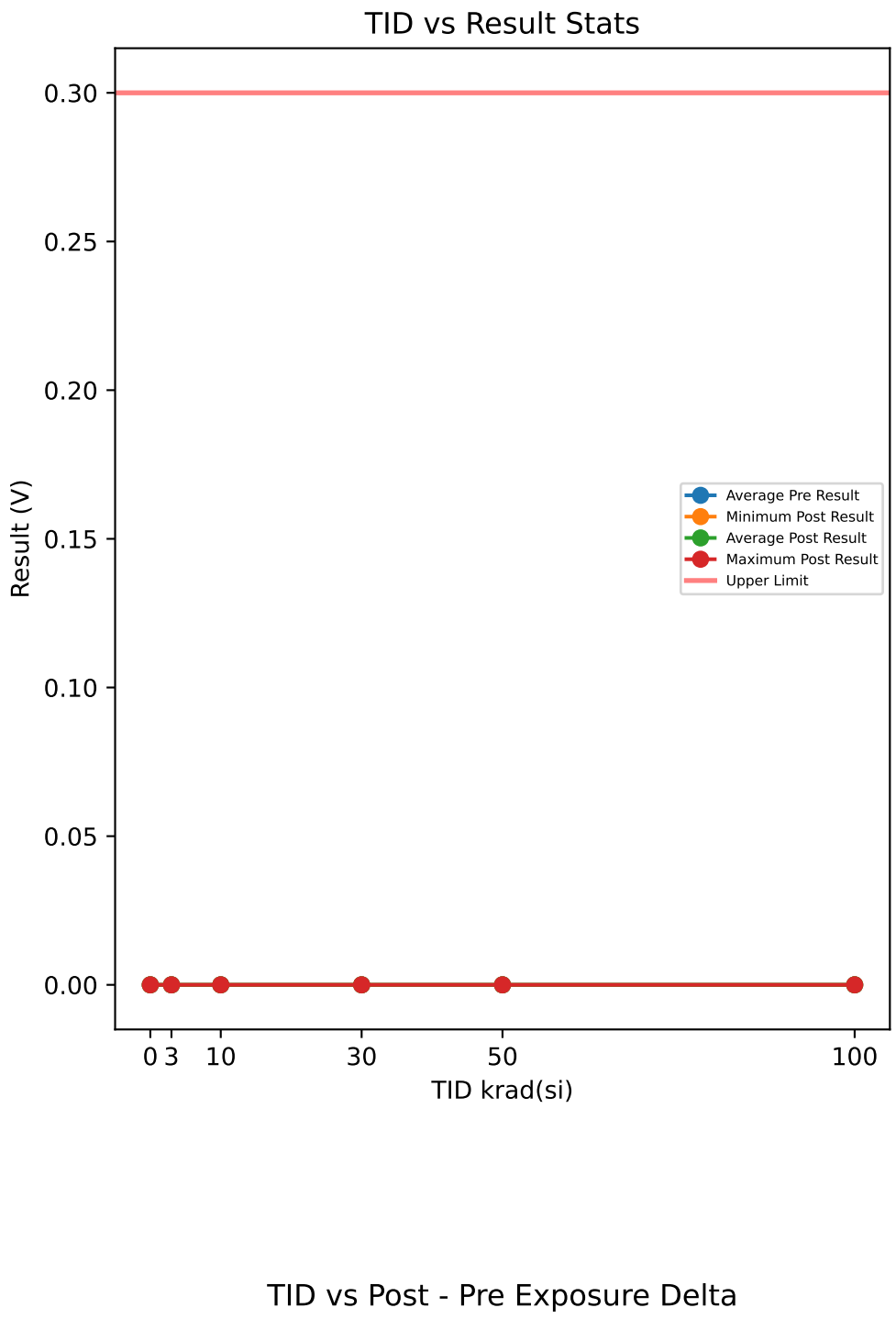
Test Results (Upper Limit = 0.3 (V))

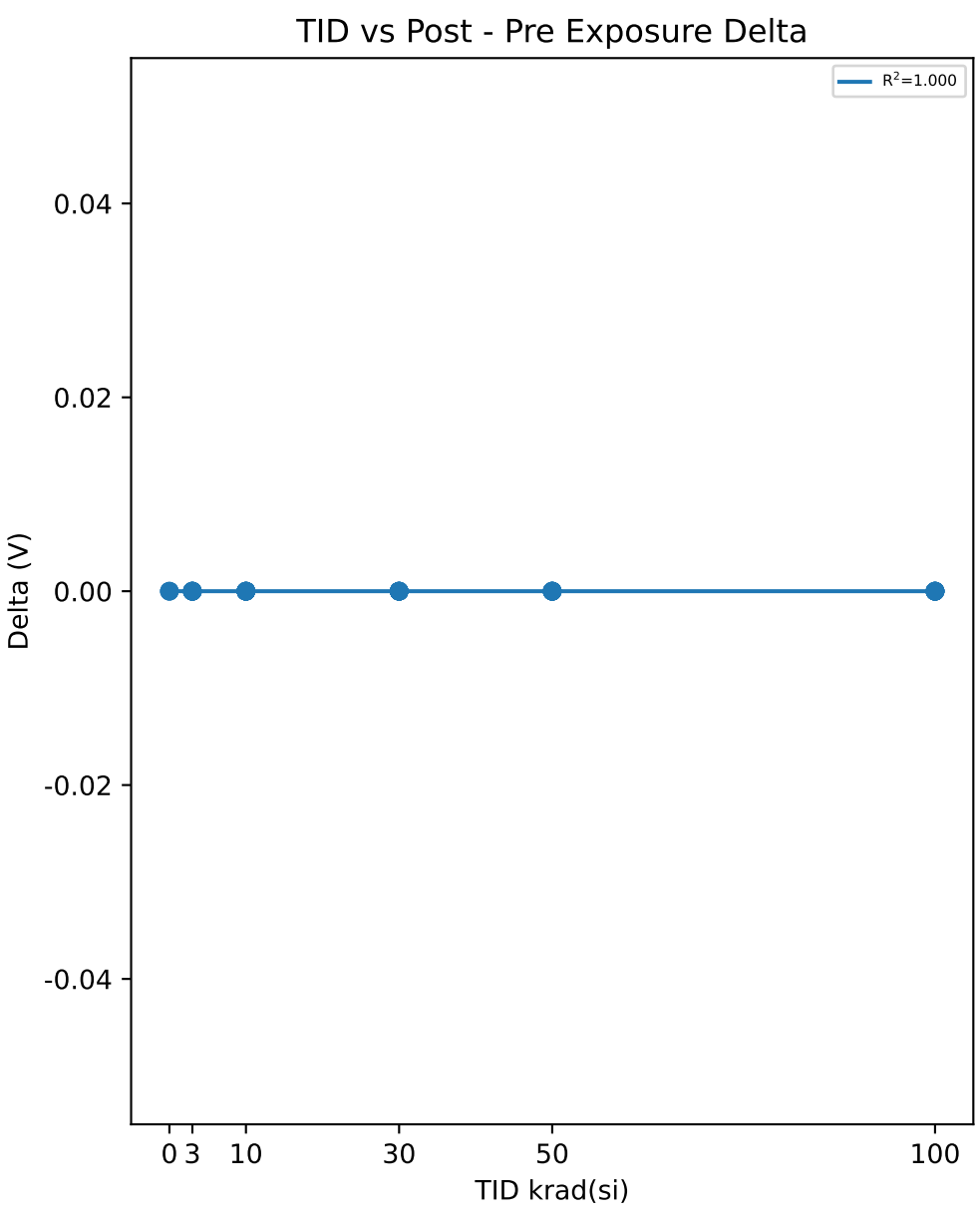
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
390	100	Biased	0	0	0
392	100	Biased	0	0	0
393	100	Biased	0	0	0
394	100	Biased	0	0	0
395	100	Biased	0	0	0
412	100	Unbiased	0	0	0
413	100	Unbiased	0	0	0
414	100	Unbiased	0	0	0
415	100	Unbiased	0	0	0
416	100	Unbiased	0	0	0
417	50	Biased	0	0	0
418	50	Biased	0	0	0
419	50	Biased	0	0	0
421	50	Biased	0	0	0
422	50	Biased	0	0	0
423	50	Unbiased	0	0	0
424	50	Unbiased	0	0	0
425	50	Unbiased	0	0	0
426	50	Unbiased	0	0	0
427	50	Unbiased	0	0	0
463	0	Corr	0	0	0
464	0	Corr	0	0	0
465	0	Corr	0	0	0
466	30	Biased	0	0	0
469	30	Biased	0	0	0
470	30	Biased	0	0	0
472	30	Biased	0	0	0
474	30	Biased	0	0	0
475	30	Unbiased	0	0	0
477	30	Unbiased	0	0	0
478	30	Unbiased	0	0	0
479	30	Unbiased	0	0	0
480	30	Unbiased	0	0	0
481	10	Biased	0	0	0
482	10	Biased	0	0	0
483	10	Biased	0	0	0
484	10	Biased	0	0	0
485	10	Biased	0	0	0
487	10	Unbiased	0	0	0
488	10	Unbiased	0	0	0
489	10	Unbiased	0	0	0
490	10	Unbiased	0	0	0
491	10	Unbiased	0	0	0
492	3	Biased	0	0	0
493	3	Biased	0	0	0
494	3	Biased	0	0	0
495	3	Biased	0	0	0
496	3	Biased	0	0	0
497	3	Unbiased	0	0	0
498	3	Unbiased	0	0	0
499	3	Unbiased	0	0	0
500	3	Unbiased	0	0	0
502	3	Unbiased	0	0	0

Test Statistics (V)

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

Device Test: 24.63 SYNC_OUT_HIGH(LEVELS|VOH/SYNC2/5//511k//@SYNC_OUT_HIGH)





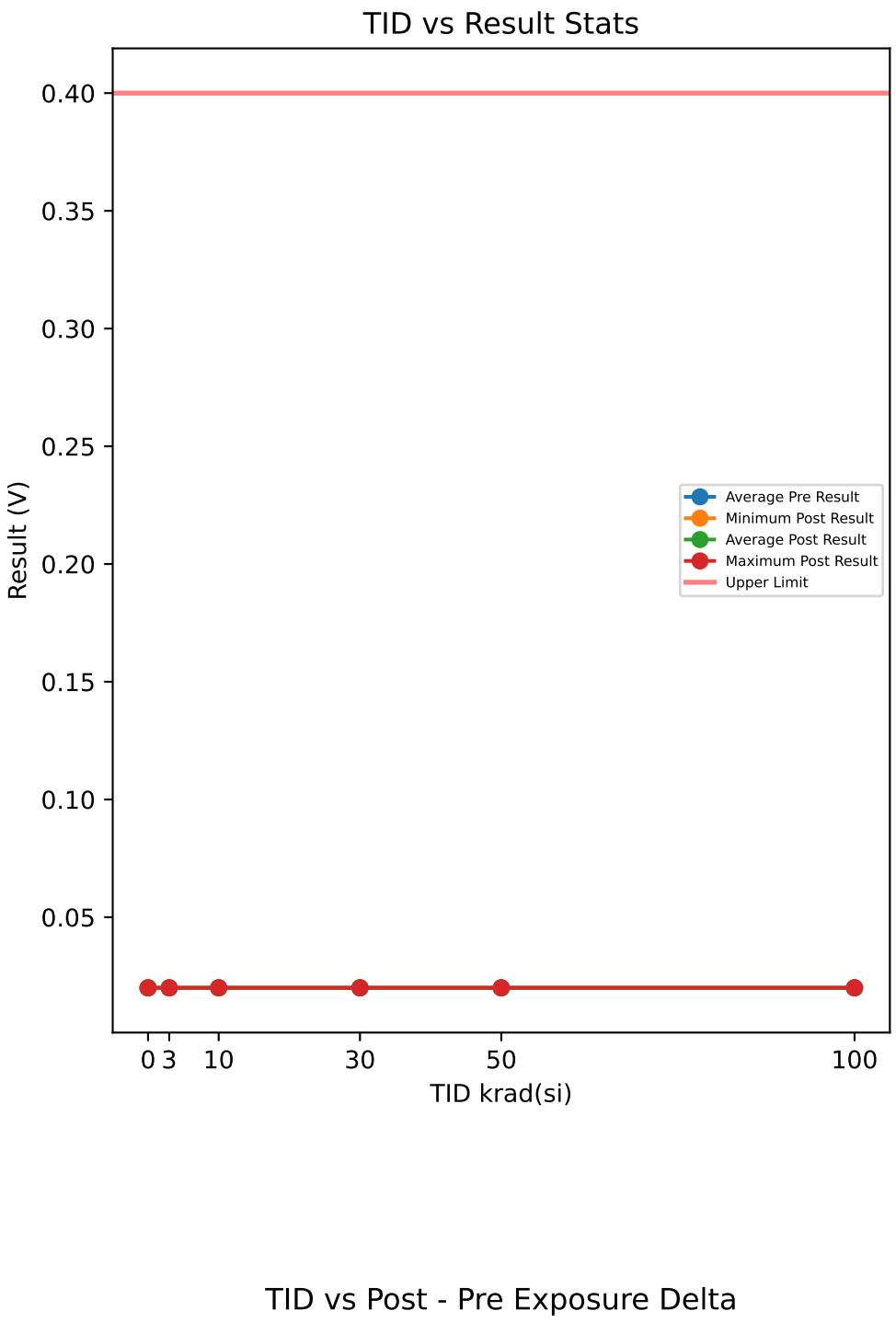
Test Results (Upper Limit = 0.3 (V))

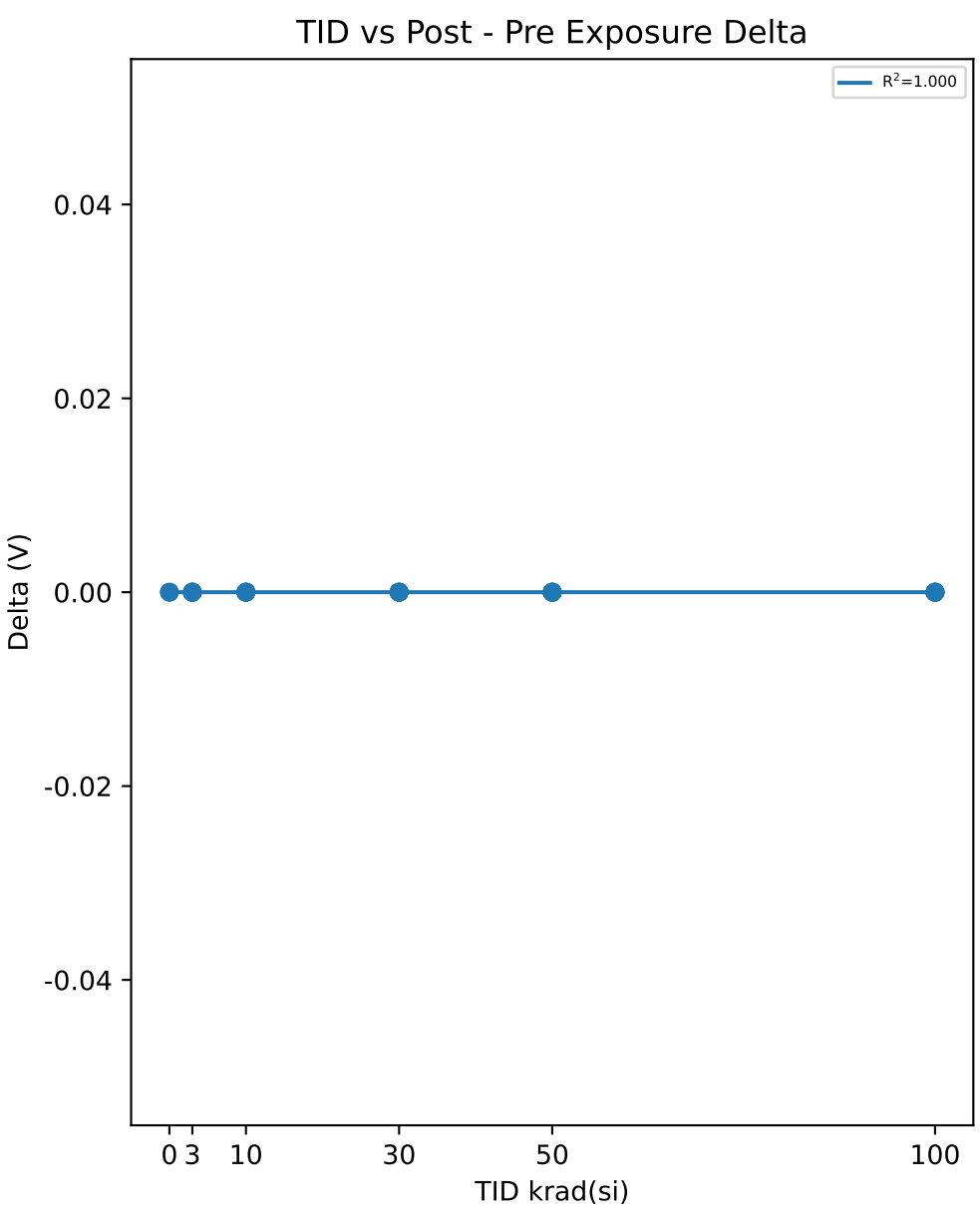
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
390	100	Biased	0	0	0
392	100	Biased	0	0	0
393	100	Biased	0	0	0
394	100	Biased	0	0	0
395	100	Biased	0	0	0
412	100	Unbiased	0	0	0
413	100	Unbiased	0	0	0
414	100	Unbiased	0	0	0
415	100	Unbiased	0	0	0
416	100	Unbiased	0	0	0
417	50	Biased	0	0	0
418	50	Biased	0	0	0
419	50	Biased	0	0	0
421	50	Biased	0	0	0
422	50	Biased	0	0	0
423	50	Unbiased	0	0	0
424	50	Unbiased	0	0	0
425	50	Unbiased	0	0	0
426	50	Unbiased	0	0	0
427	50	Unbiased	0	0	0
463	0	Corr	0	0	0
464	0	Corr	0	0	0
465	0	Corr	0	0	0
466	30	Biased	0	0	0
469	30	Biased	0	0	0
470	30	Biased	0	0	0
472	30	Biased	0	0	0
474	30	Biased	0	0	0
475	30	Unbiased	0	0	0
477	30	Unbiased	0	0	0
478	30	Unbiased	0	0	0
479	30	Unbiased	0	0	0
480	30	Unbiased	0	0	0
481	10	Biased	0	0	0
482	10	Biased	0	0	0
483	10	Biased	0	0	0
484	10	Biased	0	0	0
485	10	Biased	0	0	0
487	10	Unbiased	0	0	0
488	10	Unbiased	0	0	0
489	10	Unbiased	0	0	0
490	10	Unbiased	0	0	0
491	10	Unbiased	0	0	0
492	3	Biased	0	0	0
493	3	Biased	0	0	0
494	3	Biased	0	0	0
495	3	Biased	0	0	0
496	3	Biased	0	0	0
497	3	Unbiased	0	0	0
498	3	Unbiased	0	0	0
499	3	Unbiased	0	0	0
500	3	Unbiased	0	0	0
502	3	Unbiased	0	0	0

Test Statistics (V)

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

Device Test: 24.64 SYNC_OUT_LOW(LEVELS|VOL/SYNC1/5//511k//@SYNC_OUT_LOW)





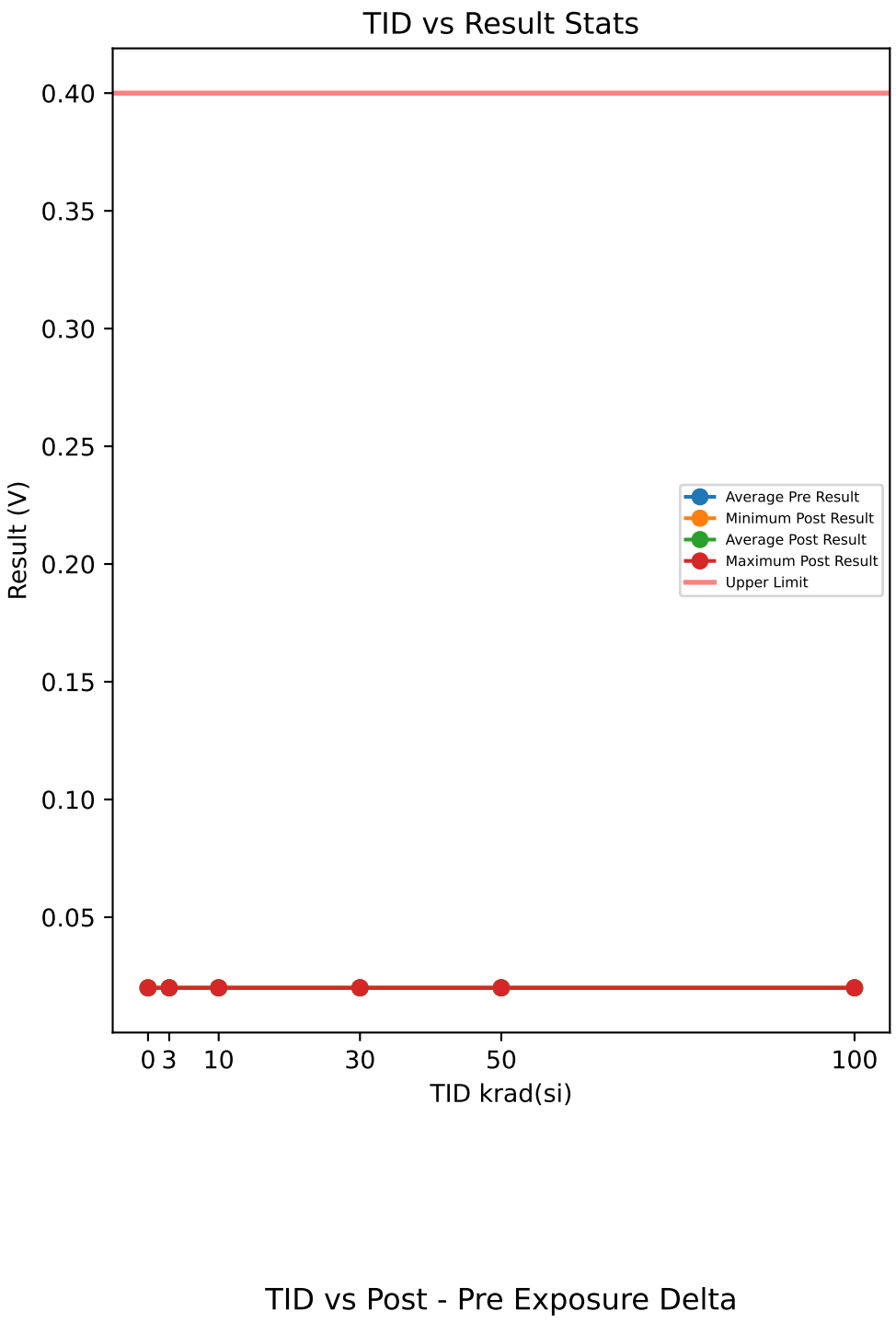
Test Results (Upper Limit = 0.4 (V))

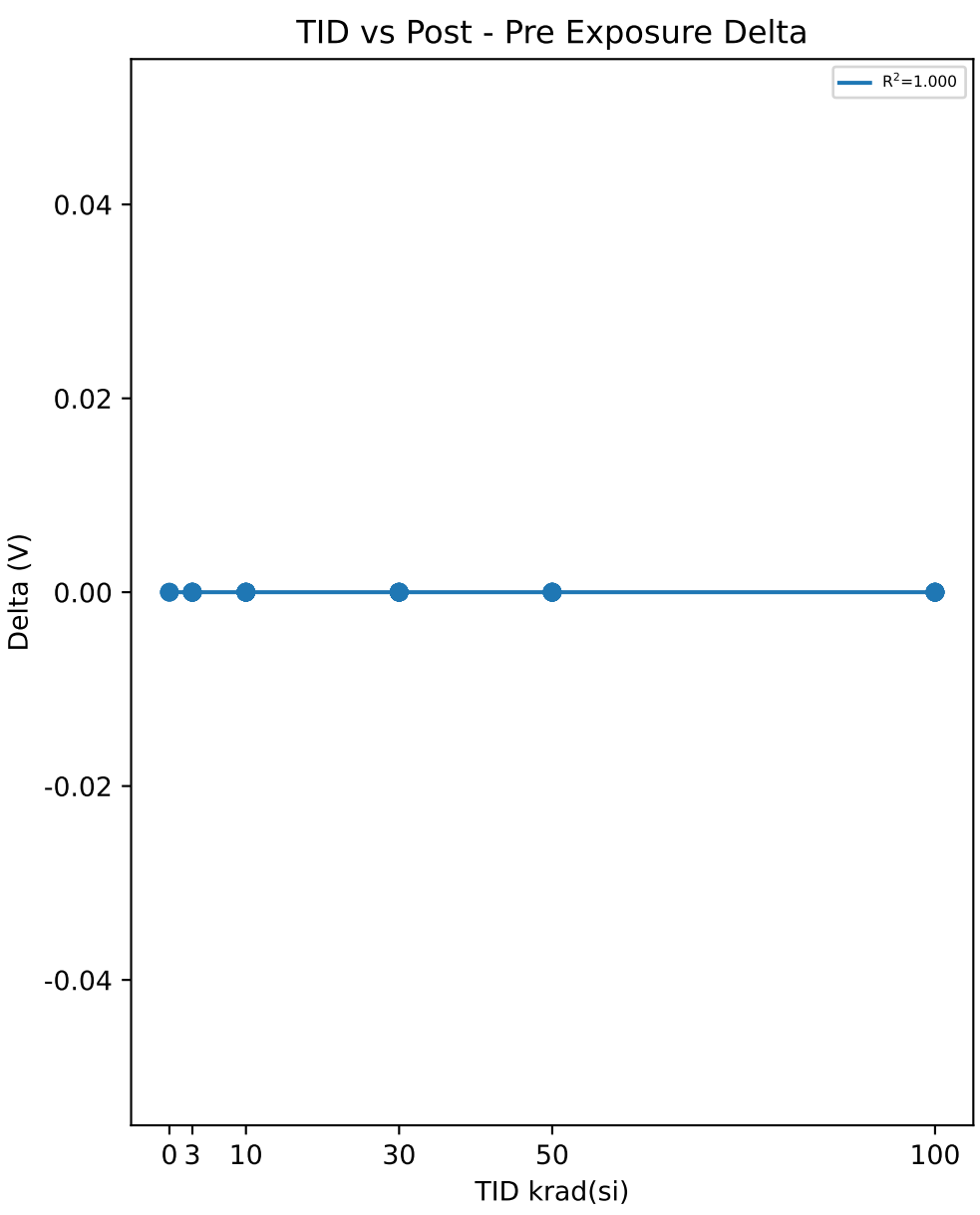
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
390	100	Biased	0.02	0.02	0
392	100	Biased	0.02	0.02	0
393	100	Biased	0.02	0.02	0
394	100	Biased	0.02	0.02	0
395	100	Biased	0.02	0.02	0
412	100	Unbiased	0.02	0.02	0
413	100	Unbiased	0.02	0.02	0
414	100	Unbiased	0.02	0.02	0
415	100	Unbiased	0.02	0.02	0
416	100	Unbiased	0.02	0.02	0
417	50	Biased	0.02	0.02	0
418	50	Biased	0.02	0.02	0
419	50	Biased	0.02	0.02	0
421	50	Biased	0.02	0.02	0
422	50	Biased	0.02	0.02	0
423	50	Unbiased	0.02	0.02	0
424	50	Unbiased	0.02	0.02	0
425	50	Unbiased	0.02	0.02	0
426	50	Unbiased	0.02	0.02	0
427	50	Unbiased	0.02	0.02	0
463	0	Corr	0.02	0.02	0
464	0	Corr	0.02	0.02	0
465	0	Corr	0.02	0.02	0
466	30	Biased	0.02	0.02	0
469	30	Biased	0.02	0.02	0
470	30	Biased	0.02	0.02	0
472	30	Biased	0.02	0.02	0
474	30	Biased	0.02	0.02	0
475	30	Unbiased	0.02	0.02	0
477	30	Unbiased	0.02	0.02	0
478	30	Unbiased	0.02	0.02	0
479	30	Unbiased	0.02	0.02	0
480	30	Unbiased	0.02	0.02	0
481	10	Biased	0.02	0.02	0
482	10	Biased	0.02	0.02	0
483	10	Biased	0.02	0.02	0
484	10	Biased	0.02	0.02	0
485	10	Biased	0.02	0.02	0
487	10	Unbiased	0.02	0.02	0
488	10	Unbiased	0.02	0.02	0
489	10	Unbiased	0.02	0.02	0
490	10	Unbiased	0.02	0.02	0
491	10	Unbiased	0.02	0.02	0
492	3	Biased	0.02	0.02	0
493	3	Biased	0.02	0.02	0
494	3	Biased	0.02	0.02	0
495	3	Biased	0.02	0.02	0
496	3	Biased	0.02	0.02	0
497	3	Unbiased	0.02	0.02	0
498	3	Unbiased	0.02	0.02	0
499	3	Unbiased	0.02	0.02	0
500	3	Unbiased	0.02	0.02	0
502	3	Unbiased	0.02	0.02	0

Test Statistics (V)

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	0.02	0.02	0.02	0	0.02	0.02	0.02	0	0	0	0	0
3	0.02	0.02	0.02	0	0.02	0.02	0.02	0	0	0	0	0
10	0.02	0.02	0.02	0	0.02	0.02	0.02	0	0	0	0	0
30	0.02	0.02	0.02	0	0.02	0.02	0.02	0	0	0	0	0
50	0.02	0.02	0.02	0	0.02	0.02	0.02	0	0	0	0	0
100	0.02	0.02	0.02	0	0.02	0.02	0.02	0	0	0	0	0

Device Test: 24.65 SYNC_OUT_LOW(LEVELS|VOL/SYNC2/5//511k//@SYNC_OUT_LOW)





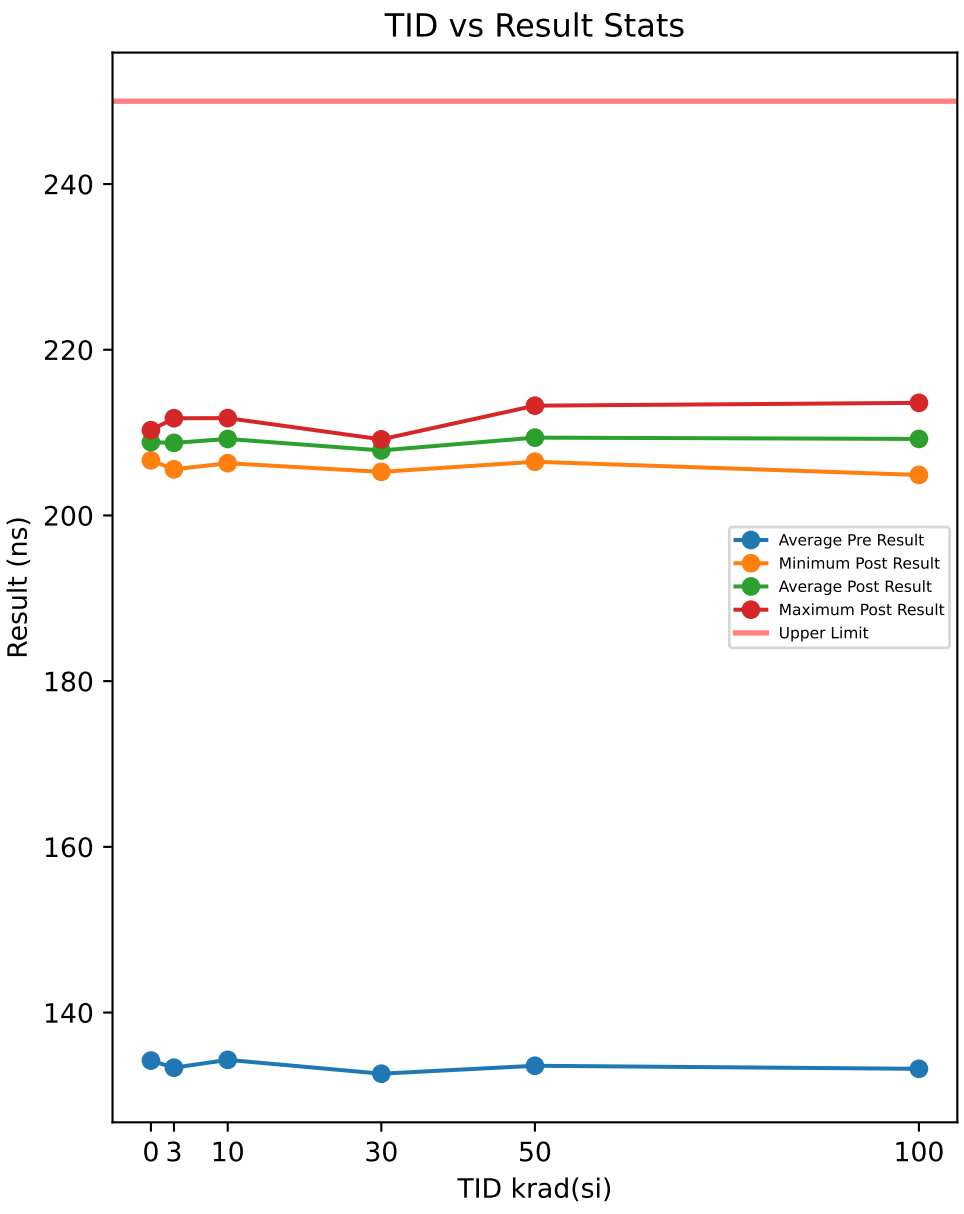
Test Results (Upper Limit = 0.4 (V))

Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
390	100	Biased	0.02	0.02	0
392	100	Biased	0.02	0.02	0
393	100	Biased	0.02	0.02	0
394	100	Biased	0.02	0.02	0
395	100	Biased	0.02	0.02	0
412	100	Unbiased	0.02	0.02	0
413	100	Unbiased	0.02	0.02	0
414	100	Unbiased	0.02	0.02	0
415	100	Unbiased	0.02	0.02	0
416	100	Unbiased	0.02	0.02	0
417	50	Biased	0.02	0.02	0
418	50	Biased	0.02	0.02	0
419	50	Biased	0.02	0.02	0
421	50	Biased	0.02	0.02	0
422	50	Biased	0.02	0.02	0
423	50	Unbiased	0.02	0.02	0
424	50	Unbiased	0.02	0.02	0
425	50	Unbiased	0.02	0.02	0
426	50	Unbiased	0.02	0.02	0
427	50	Unbiased	0.02	0.02	0
463	0	Corr	0.02	0.02	0
464	0	Corr	0.02	0.02	0
465	0	Corr	0.02	0.02	0
466	30	Biased	0.02	0.02	0
469	30	Biased	0.02	0.02	0
470	30	Biased	0.02	0.02	0
472	30	Biased	0.02	0.02	0
474	30	Biased	0.02	0.02	0
475	30	Unbiased	0.02	0.02	0
477	30	Unbiased	0.02	0.02	0
478	30	Unbiased	0.02	0.02	0
479	30	Unbiased	0.02	0.02	0
480	30	Unbiased	0.02	0.02	0
481	10	Biased	0.02	0.02	0
482	10	Biased	0.02	0.02	0
483	10	Biased	0.02	0.02	0
484	10	Biased	0.02	0.02	0
485	10	Biased	0.02	0.02	0
487	10	Unbiased	0.02	0.02	0
488	10	Unbiased	0.02	0.02	0
489	10	Unbiased	0.02	0.02	0
490	10	Unbiased	0.02	0.02	0
491	10	Unbiased	0.02	0.02	0
492	3	Biased	0.02	0.02	0
493	3	Biased	0.02	0.02	0
494	3	Biased	0.02	0.02	0
495	3	Biased	0.02	0.02	0
496	3	Biased	0.02	0.02	0
497	3	Unbiased	0.02	0.02	0
498	3	Unbiased	0.02	0.02	0
499	3	Unbiased	0.02	0.02	0
500	3	Unbiased	0.02	0.02	0
502	3	Unbiased	0.02	0.02	0

Test Statistics (V)

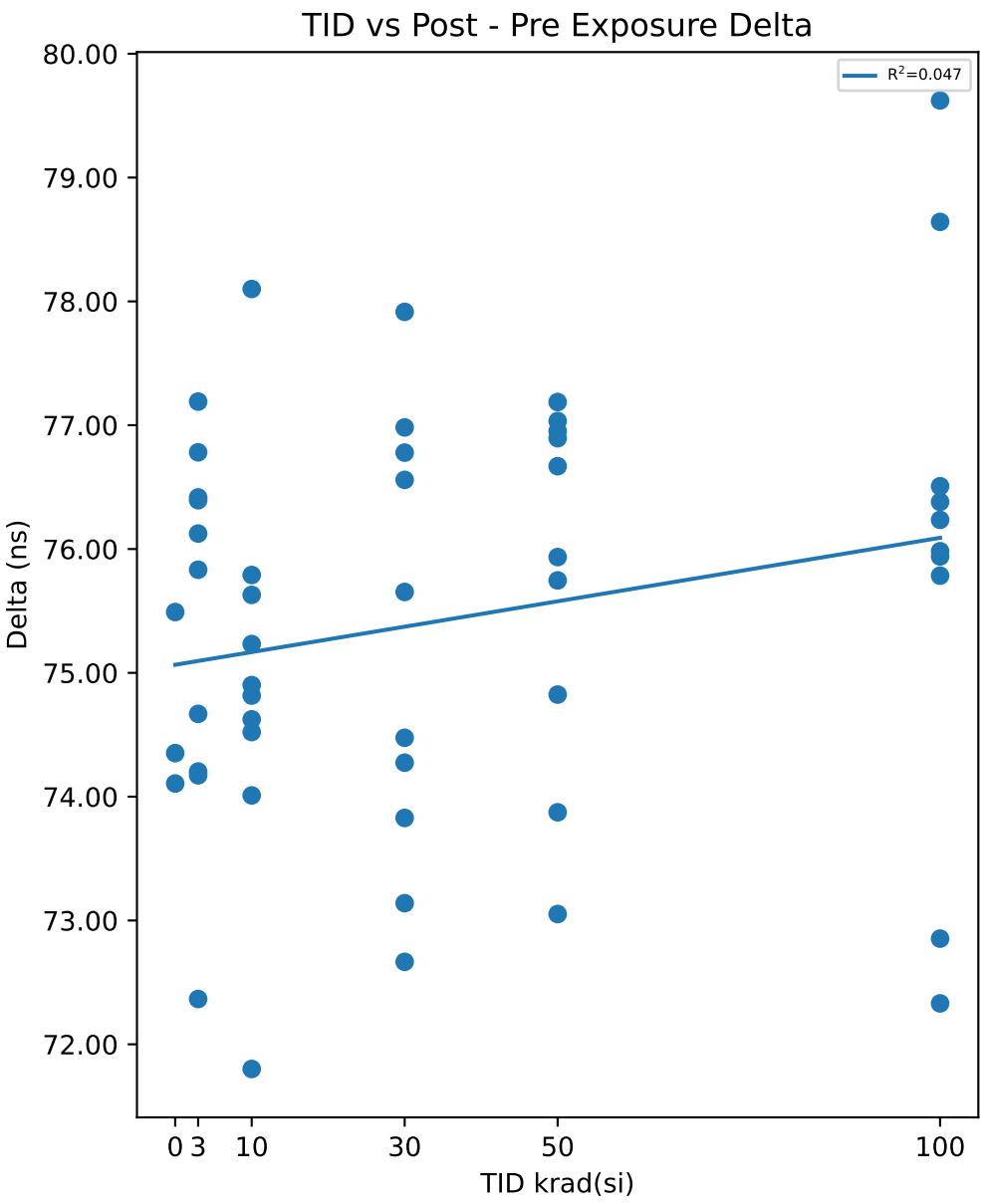
krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	0.02	0.02	0.02	0	0.02	0.02	0.02	0	0	0	0	0
3	0.02	0.02	0.02	0	0.02	0.02	0.02	0	0	0	0	0
10	0.02	0.02	0.02	0	0.02	0.02	0.02	0	0	0	0	0
30	0.02	0.02	0.02	0	0.02	0.02	0.02	0	0	0	0	0
50	0.02	0.02	0.02	0	0.02	0.02	0.02	0	0	0	0	0
100	0.02	0.02	0.02	0	0.02	0.02	0.02	0	0	0	0	0

Device Test: 24.71 ON_TIME_MIN_5V(TIMING|MINON/SW/5//511k//@ON_TIME_MIN_5V)



Test Results (Upper Limit = 250.0 (ns))

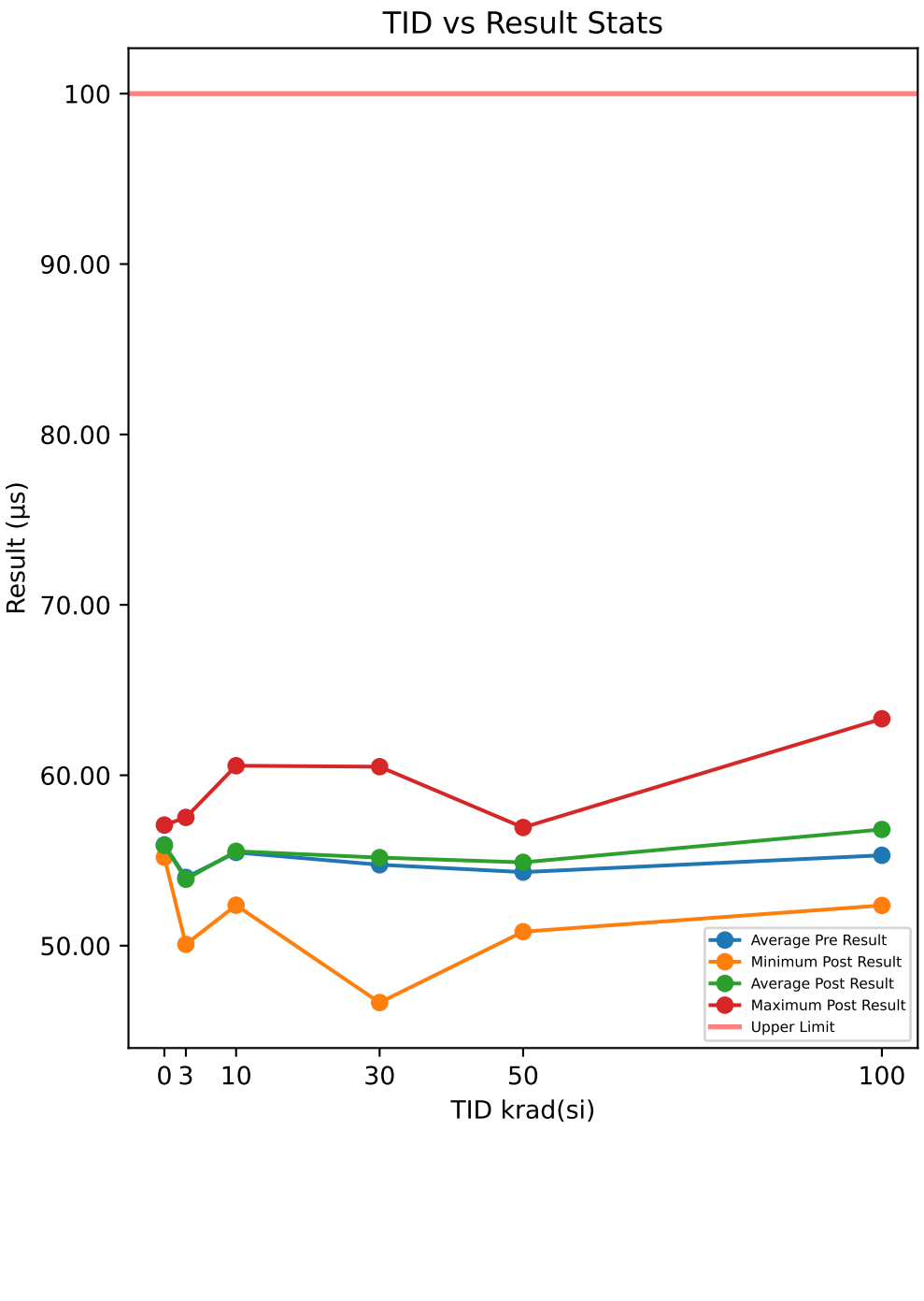
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
390	100	Biased	126.44	206.06	79.623
392	100	Biased	130.65	206.59	75.94
393	100	Biased	137.66	209.99	72.33
394	100	Biased	130.75	206.54	75.785
395	100	Biased	132.59	211.23	78.642
412	100	Unbiased	135.72	212.22	76.507
413	100	Unbiased	135.22	211.6	76.381
414	100	Unbiased	133.65	209.63	75.982
415	100	Unbiased	132.03	204.89	72.854
416	100	Unbiased	137.36	213.59	76.236
417	50	Biased	131.66	206.48	74.824
418	50	Biased	131.65	208.32	76.669
419	50	Biased	132.52	208.27	75.746
421	50	Biased	132.24	208.18	75.935
422	50	Biased	130.87	208.05	77.187
423	50	Unbiased	132.48	209.44	76.953
424	50	Unbiased	137.94	211.82	73.874
425	50	Unbiased	131.56	208.59	77.033
426	50	Unbiased	136.35	213.25	76.895
427	50	Unbiased	138.48	211.53	73.052
463	0	Corr	135.94	210.29	74.352
464	0	Corr	134.12	209.61	75.491
465	0	Corr	132.55	206.65	74.106
466	30	Biased	133	208.65	75.653
469	30	Biased	134.3	208.58	74.274
470	30	Biased	133.12	206.26	73.14
472	30	Biased	132.9	206.73	73.828
474	30	Biased	130.78	205.26	74.475
475	30	Unbiased	132.62	209.18	76.559
477	30	Unbiased	135.49	208.16	72.666
478	30	Unbiased	130.29	208.2	77.915
479	30	Unbiased	131.66	208.43	76.779
480	30	Unbiased	132.03	209.01	76.982
481	10	Biased	133.51	208.74	75.233
482	10	Biased	137.45	211.46	74.01
483	10	Biased	135.75	210.37	74.625
484	10	Biased	139.95	211.75	71.801
485	10	Biased	132.77	207.58	74.816
487	10	Unbiased	130.7	208.8	78.1
488	10	Unbiased	131.4	206.3	74.901
489	10	Unbiased	132.99	208.62	75.629
490	10	Unbiased	131.83	207.62	75.79
491	10	Unbiased	136.55	211.07	74.522
492	3	Biased	137.06	211.24	74.172
493	3	Biased	132.87	210.06	77.191
494	3	Biased	131.82	206.02	74.203
495	3	Biased	137.06	211.73	74.669
496	3	Biased	131.64	207.77	76.125
497	3	Unbiased	129.18	205.57	76.394
498	3	Unbiased	133.08	209.5	76.417
499	3	Unbiased	132.09	207.92	75.833
500	3	Unbiased	131.5	208.28	76.781
502	3	Unbiased	137.12	209.49	72.366

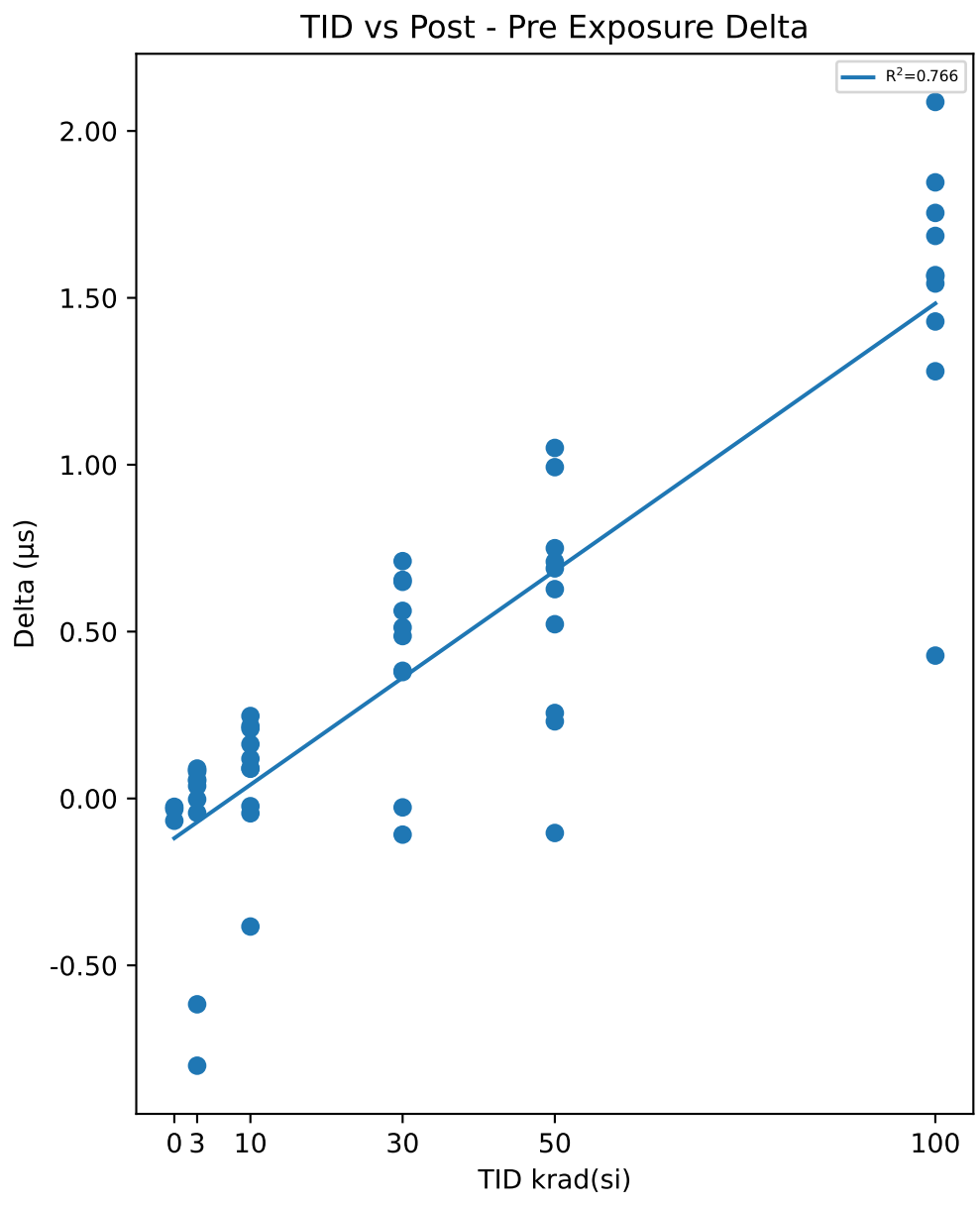


Test Statistics (ns)

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	132.55	134.2	135.94	1.6975	206.65	208.85	210.29	1.9344	74.106	74.65	75.491	0.7388
3	129.18	133.34	137.12	2.7852	205.57	208.76	211.73	2.0358	72.366	75.415	77.191	1.5102
10	130.7	134.29	139.95	3.0021	206.3	209.23	211.75	1.8462	71.801	74.943	78.1	1.5734
30	130.29	132.62	135.49	1.551	205.26	207.85	209.18	1.3053	72.666	75.227	77.915	1.7955
50	130.87	133.58	138.48	2.862	206.48	209.39	213.25	2.1111	73.052	75.817	77.187	1.4515
100	126.44	133.21	137.66	3.4596	204.89	209.24	213.59	3.0085	72.33	76.028	79.623	2.2103

Device Test: 24.72 T_EN_DELAY(TIMING|DELAY/EN/5//511k//@T_EN_DELAY)





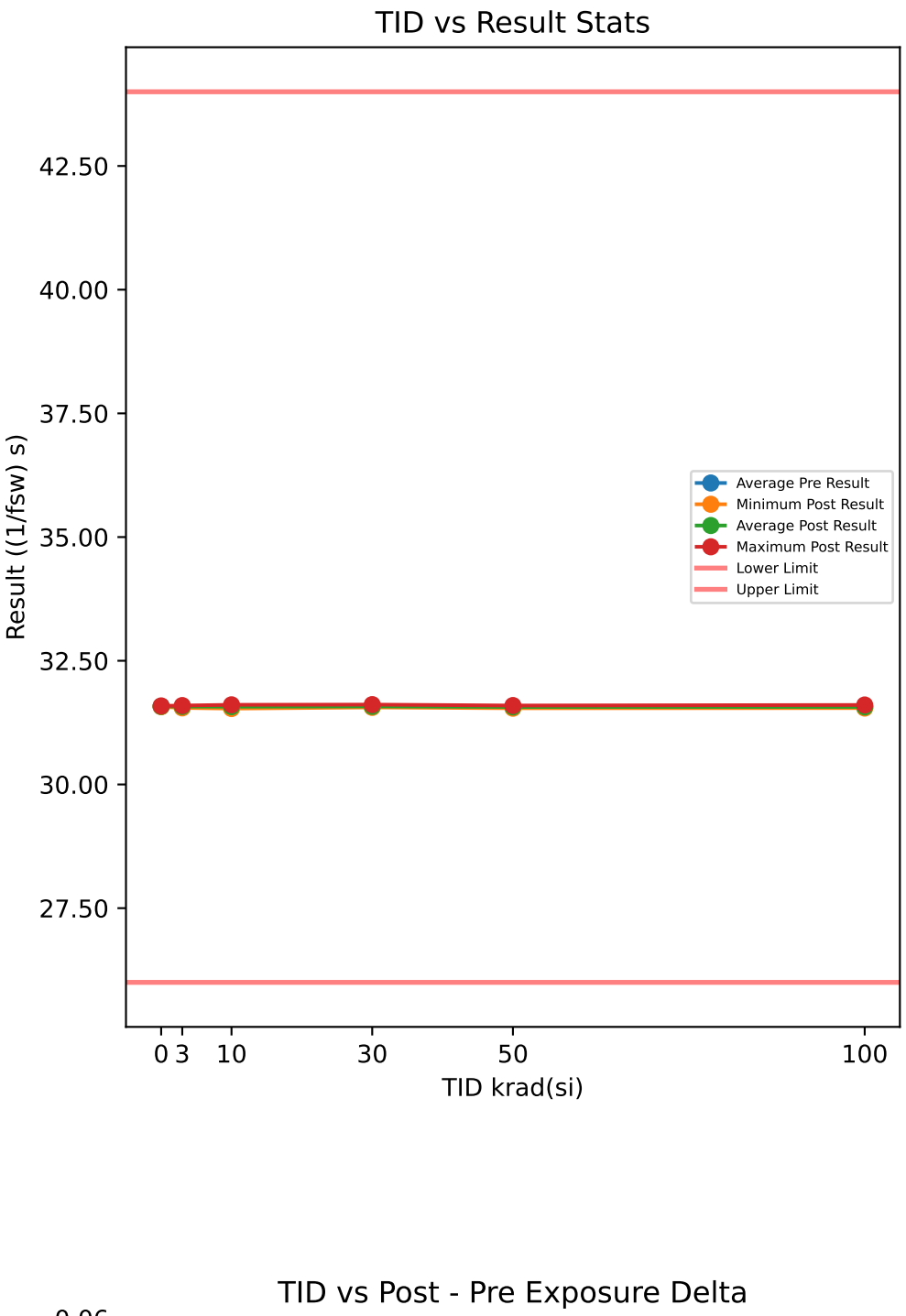
Test Results (Upper Limit = 100.0 (µs))

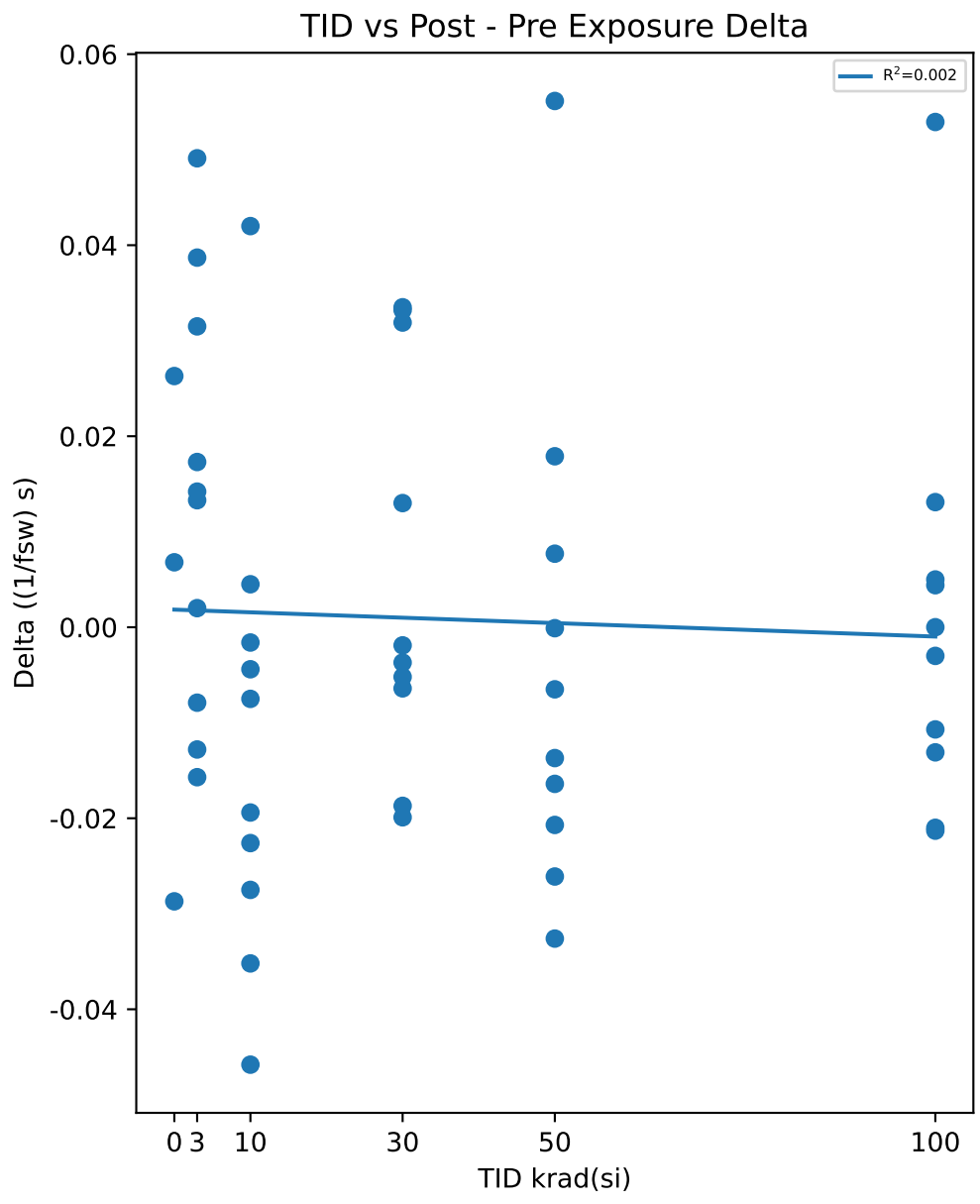
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
390	100	Biased	52.897	53.325	0.4281
392	100	Biased	53.567	55.109	1.5429
393	100	Biased	55.228	57.074	1.846
394	100	Biased	50.796	52.361	1.5647
395	100	Biased	61.885	63.314	1.4292
412	100	Unbiased	54.295	56.05	1.7545
413	100	Unbiased	57.667	59.235	1.5681
414	100	Unbiased	55.745	57.431	1.6856
415	100	Unbiased	56.077	57.357	1.28
416	100	Unbiased	54.861	56.948	2.0869
417	50	Biased	55.165	55.687	0.5221
418	50	Biased	55.901	55.798	-0.1034
419	50	Biased	55.911	56.6	0.6894
421	50	Biased	56.225	56.935	0.7096
422	50	Biased	54.388	54.644	0.2562
423	50	Unbiased	53.751	54.802	1.0503
424	50	Unbiased	55.488	56.238	0.7499
425	50	Unbiased	54.693	55.32	0.6272
426	50	Unbiased	51.815	52.046	0.2311
427	50	Unbiased	49.827	50.82	0.9927
463	0	Corr	55.257	55.19	-0.0667
464	0	Corr	57.108	57.076	-0.032
465	0	Corr	55.38	55.355	-0.0249
466	30	Biased	59.99	60.502	0.5125
469	30	Biased	46.278	46.661	0.3826
470	30	Biased	54.313	54.692	0.3788
472	30	Biased	51.527	52.089	0.5622
474	30	Biased	57.928	58.577	0.6491
475	30	Unbiased	57.412	58.123	0.7111
477	30	Unbiased	55.393	55.88	0.4866
478	30	Unbiased	55.173	55.146	-0.0267
479	30	Unbiased	54.371	54.263	-0.1083
480	30	Unbiased	55.099	55.755	0.6551
481	10	Biased	60.441	60.56	0.1192
482	10	Biased	55.907	55.862	-0.0445
483	10	Biased	54.647	54.263	-0.3837
484	10	Biased	57.976	58.192	0.2167
485	10	Biased	52.164	52.374	0.2097
487	10	Unbiased	54.172	54.149	-0.0231
488	10	Unbiased	52.617	52.779	0.1626
489	10	Unbiased	55.993	56.082	0.0891
490	10	Unbiased	54.874	55.121	0.2471
491	10	Unbiased	55.918	56.008	0.0907
492	3	Biased	55.173	55.263	0.0897
493	3	Biased	53.617	53.655	0.0373
494	3	Biased	53.315	52.698	-0.6167
495	3	Biased	53.681	53.734	0.053
496	3	Biased	52.684	52.641	-0.0432
497	3	Unbiased	56.015	56.096	0.0807
498	3	Unbiased	50.08	50.077	-0.0025
499	3	Unbiased	58.327	57.526	-0.8006
500	3	Unbiased	54.446	54.502	0.0565
502	3	Unbiased	52.698	52.783	0.085

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	55.257	55.915	57.108	1.0349	55.19	55.874	57.076	1.0443	-0.0667	-0.0412	-0.0249	0.022367
3	50.08	54.004	58.327	2.2078	50.077	53.898	57.526	2.0862	-0.8006	-0.10608	0.0897	0.32314
10	52.164	55.471	60.441	2.4367	52.374	55.539	60.56	2.4549	-0.3837	0.06838	0.2471	0.18613
30	46.278	54.748	59.99	3.769	46.661	55.169	60.502	3.8378	-0.1083	0.4203	0.7111	0.28037
50	49.827	54.317	56.225	2.0458	50.82	54.889	56.935	1.9802	-0.1034	0.57251	1.0503	0.35711
100	50.796	55.302	61.885	2.9822	52.361	56.82	63.314	3.0618	0.4281	1.5186	2.0869	0.44384

Device Test: 24.74 T_FAULT_DELAY(TIMING|DELAY/FAULT/5//511k//@T_FAULT_DELAY)





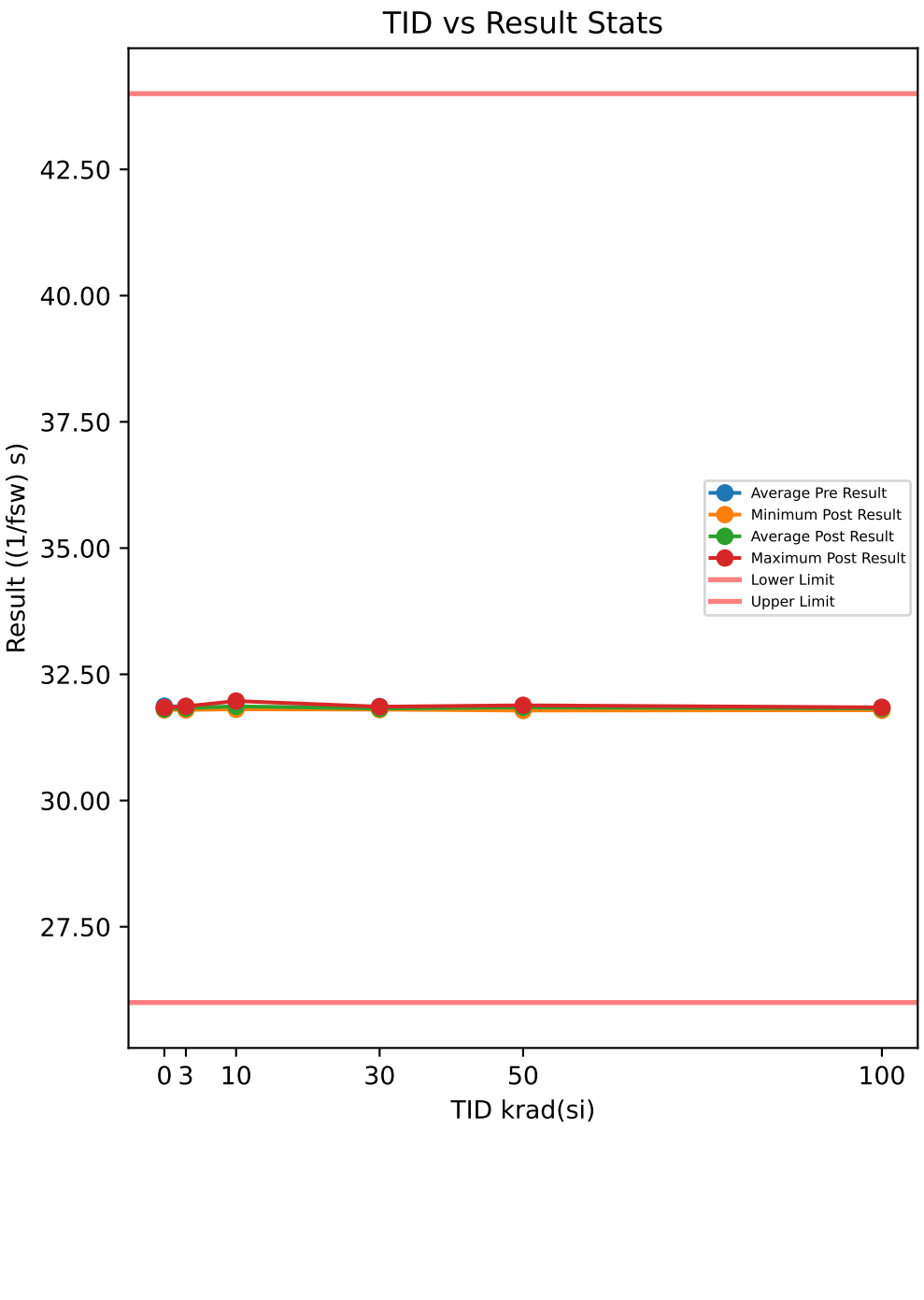
Test Results (Lower Limit = 26.0, Upper Limit = 44.0 ((1/fsw) s))

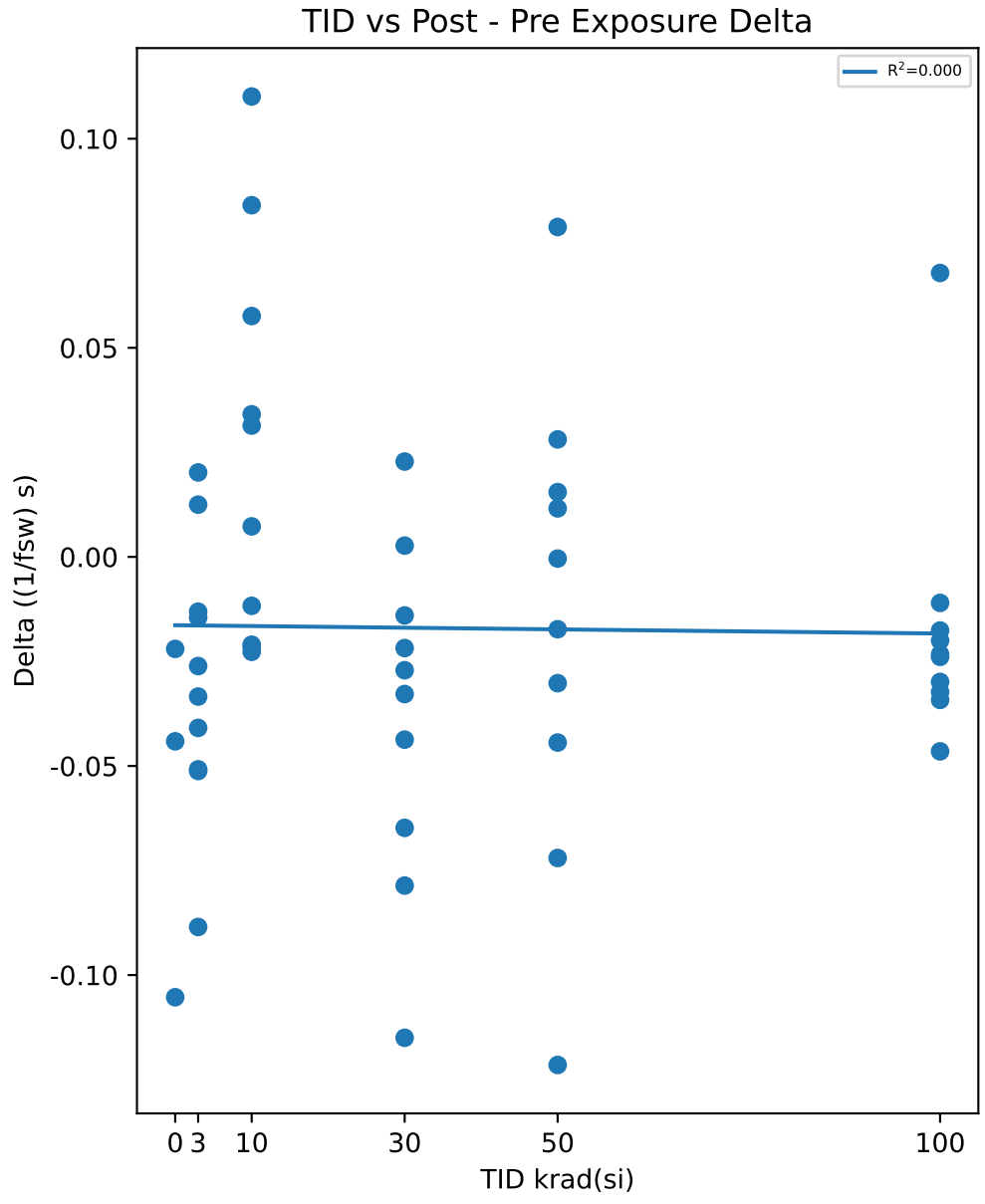
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
390	100	Biased	31.588	31.585	-0.003
392	100	Biased	31.569	31.573	0.0044
393	100	Biased	31.553	31.606	0.0529
394	100	Biased	31.573	31.563	-0.0107
395	100	Biased	31.579	31.584	0.005
412	100	Unbiased	31.568	31.547	-0.0213
413	100	Unbiased	31.569	31.555	-0.0131
414	100	Unbiased	31.552	31.565	0.0131
415	100	Unbiased	31.575	31.554	-0.021
416	100	Unbiased	31.544	31.544	0
417	50	Biased	31.577	31.563	-0.0137
418	50	Biased	31.575	31.568	-0.0065
419	50	Biased	31.595	31.595	-0.0001
421	50	Biased	31.578	31.561	-0.0164
422	50	Biased	31.558	31.565	0.0077
423	50	Unbiased	31.523	31.578	0.0551
424	50	Unbiased	31.585	31.552	-0.0326
425	50	Unbiased	31.561	31.579	0.0179
426	50	Unbiased	31.567	31.541	-0.0261
427	50	Unbiased	31.583	31.562	-0.0207
463	0	Corr	31.6	31.571	-0.0287
464	0	Corr	31.581	31.587	0.0068
465	0	Corr	31.552	31.579	0.0263
466	30	Biased	31.548	31.582	0.0335
469	30	Biased	31.567	31.565	-0.0019
470	30	Biased	31.572	31.585	0.013
472	30	Biased	31.572	31.569	-0.0037
474	30	Biased	31.577	31.572	-0.0052
475	30	Unbiased	31.586	31.567	-0.0187
477	30	Unbiased	31.582	31.614	0.0319
478	30	Unbiased	31.554	31.587	0.0332
479	30	Unbiased	31.577	31.558	-0.0199
480	30	Unbiased	31.586	31.58	-0.0064
481	10	Biased	31.577	31.573	-0.0044
482	10	Biased	31.577	31.57	-0.0075
483	10	Biased	31.584	31.549	-0.0352
484	10	Biased	31.569	31.573	0.0045
485	10	Biased	31.568	31.61	0.042
487	10	Unbiased	31.561	31.534	-0.0275
488	10	Unbiased	31.614	31.568	-0.0458
489	10	Unbiased	31.602	31.601	-0.0016
490	10	Unbiased	31.59	31.567	-0.0226
491	10	Unbiased	31.598	31.579	-0.0194
492	3	Biased	31.533	31.548	0.0142
493	3	Biased	31.562	31.575	0.0133
494	3	Biased	31.521	31.56	0.0387
495	3	Biased	31.562	31.594	0.0315
496	3	Biased	31.581	31.568	-0.0128
497	3	Unbiased	31.555	31.556	0.002
498	3	Unbiased	31.546	31.595	0.0491
499	3	Unbiased	31.593	31.585	-0.0079
500	3	Unbiased	31.567	31.584	0.0173
502	3	Unbiased	31.605	31.59	-0.0157

Test Statistics ((1/fsw) s)

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	31.552	31.578	31.6	0.02383	31.571	31.579	31.587	0.0080542	-0.0287	0.0014667	0.0263	0.027885
3	31.521	31.563	31.605	0.025759	31.548	31.576	31.595	0.01666	-0.0157	0.01297	0.0491	0.022043
10	31.561	31.584	31.614	0.016839	31.534	31.572	31.61	0.021883	-0.0458	-0.01175	0.042	0.024635
30	31.548	31.572	31.586	0.012759	31.558	31.578	31.614	0.015912	-0.0199	0.00558	0.0335	0.020899
50	31.523	31.57	31.595	0.020014	31.541	31.567	31.595	0.015128	-0.0326	-0.00354	0.0551	0.025737
100	31.544	31.567	31.588	0.013594	31.544	31.568	31.606	0.019653	-0.0213	0.00063	0.0529	0.021603

Device Test: 24.76 T_FAULT_DELAY(TIMING|DELAY/FAULT/5//90.9k//@T_FAULT_DELAY)





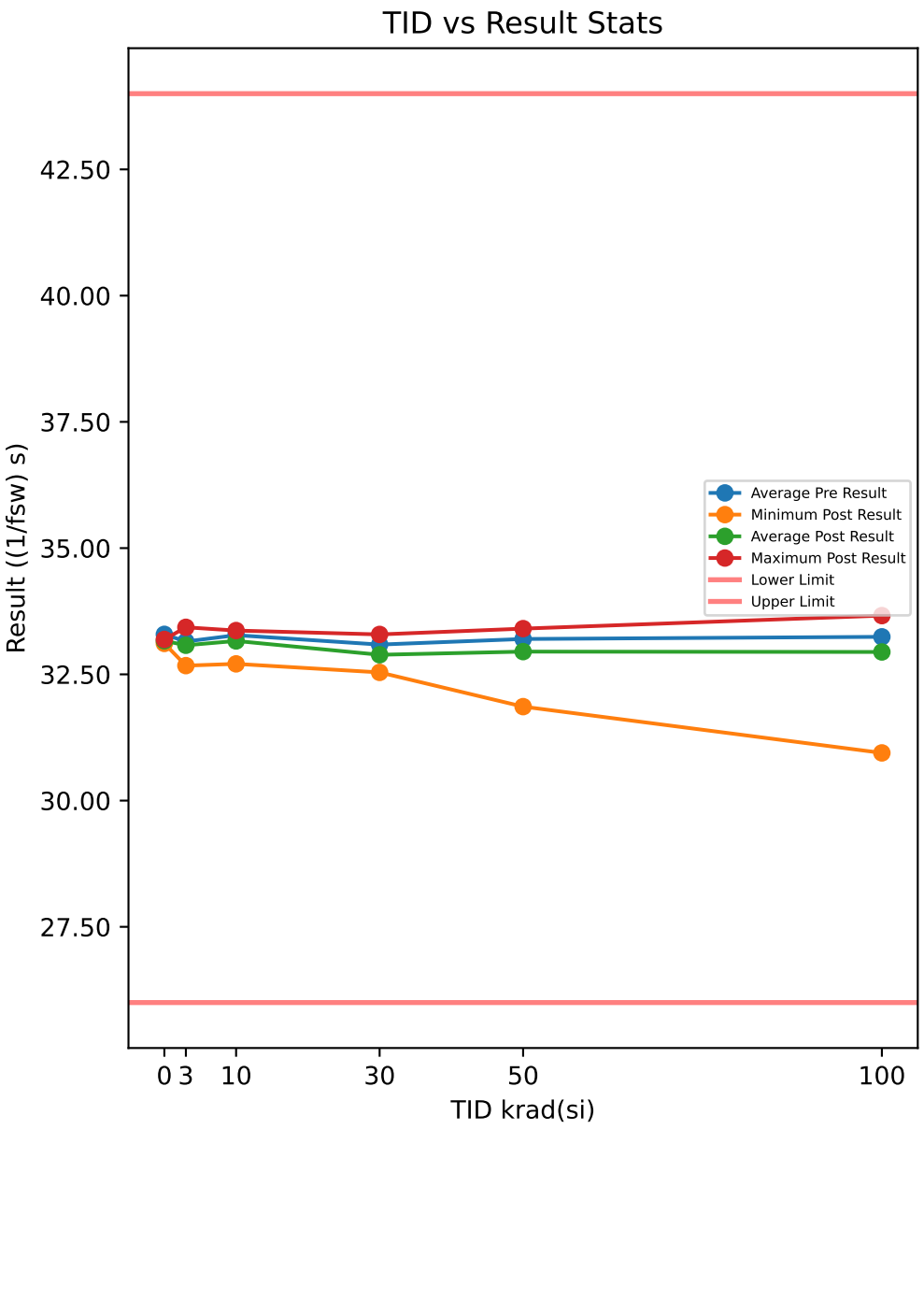
Test Results (Lower Limit = 26.0, Upper Limit = 44.0 ((1/fsw) s))

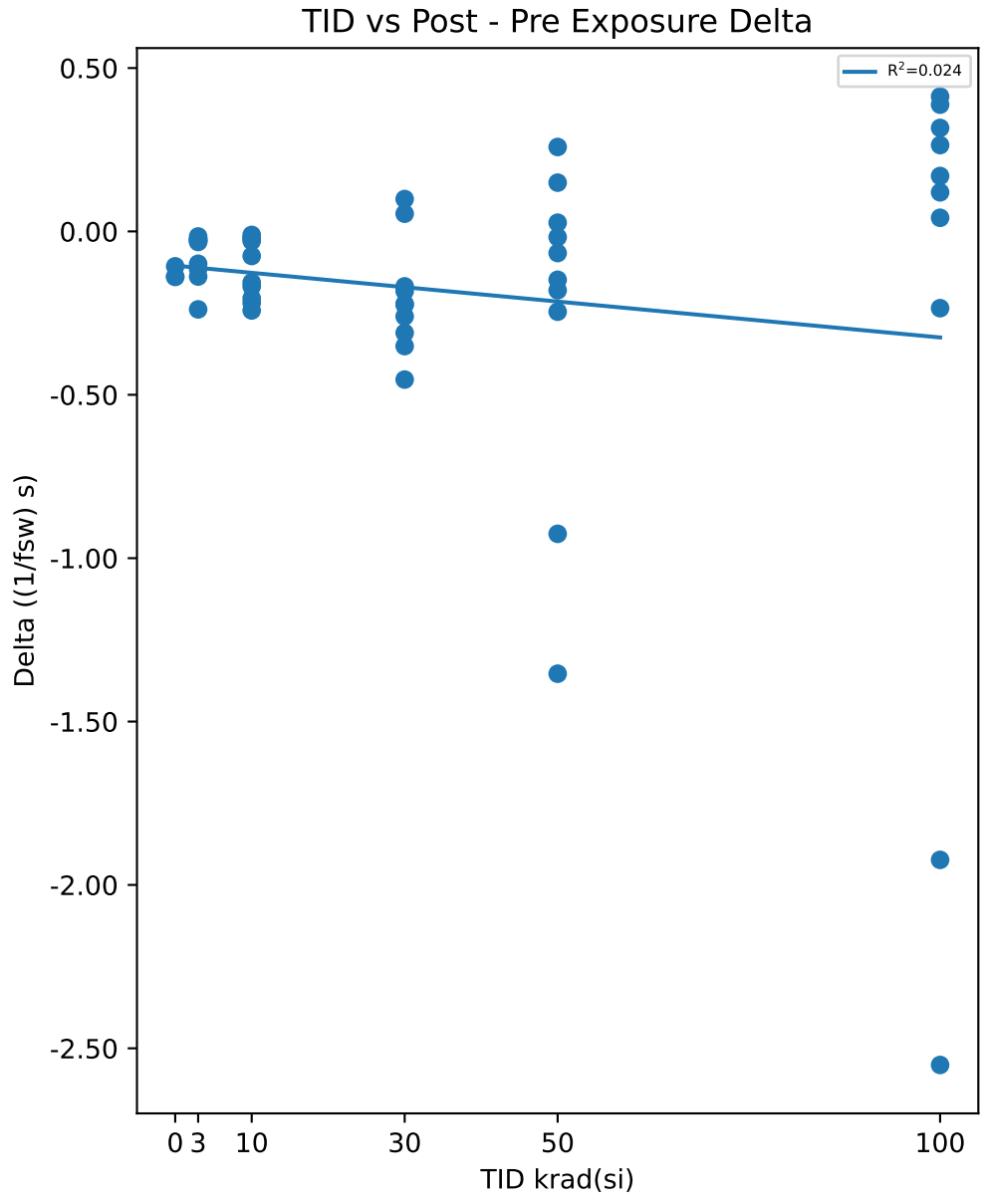
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
390	100	Biased	31.863	31.84	-0.0233
392	100	Biased	31.835	31.789	-0.0465
393	100	Biased	31.833	31.822	-0.011
394	100	Biased	31.86	31.843	-0.0176
395	100	Biased	31.854	31.83	-0.0239
412	100	Unbiased	31.864	31.83	-0.0342
413	100	Unbiased	31.855	31.835	-0.02
414	100	Unbiased	31.826	31.794	-0.0323
415	100	Unbiased	31.777	31.845	0.0679
416	100	Unbiased	31.844	31.814	-0.0299
417	50	Biased	31.871	31.841	-0.0302
418	50	Biased	31.839	31.854	0.0155
419	50	Biased	31.807	31.886	0.0789
421	50	Biased	31.879	31.835	-0.0444
422	50	Biased	31.904	31.783	-0.1215
423	50	Unbiased	31.885	31.868	-0.0173
424	50	Unbiased	31.844	31.856	0.0116
425	50	Unbiased	31.825	31.853	0.0281
426	50	Unbiased	31.906	31.834	-0.072
427	50	Unbiased	31.84	31.84	-0.0004
463	0	Corr	31.84	31.796	-0.0441
464	0	Corr	31.864	31.842	-0.022
465	0	Corr	31.905	31.799	-0.1053
466	30	Biased	31.919	31.804	-0.115
469	30	Biased	31.795	31.818	0.0228
470	30	Biased	31.879	31.801	-0.0786
472	30	Biased	31.828	31.831	0.0027
474	30	Biased	31.847	31.814	-0.0328
475	30	Unbiased	31.851	31.837	-0.014
477	30	Unbiased	31.902	31.859	-0.0437
478	30	Unbiased	31.877	31.813	-0.0648
479	30	Unbiased	31.856	31.829	-0.0271
480	30	Unbiased	31.84	31.818	-0.0218
481	10	Biased	31.887	31.971	0.0841
482	10	Biased	31.887	31.866	-0.0215
483	10	Biased	31.754	31.864	0.1101
484	10	Biased	31.88	31.859	-0.021
485	10	Biased	31.882	31.86	-0.0227
487	10	Unbiased	31.829	31.818	-0.0117
488	10	Unbiased	31.865	31.872	0.0073
489	10	Unbiased	31.813	31.844	0.0314
490	10	Unbiased	31.773	31.807	0.0341
491	10	Unbiased	31.839	31.896	0.0576
492	3	Biased	31.881	31.866	-0.0145
493	3	Biased	31.795	31.815	0.0202
494	3	Biased	31.886	31.834	-0.0512
495	3	Biased	31.859	31.809	-0.0508
496	3	Biased	31.853	31.82	-0.0334
497	3	Unbiased	31.837	31.85	0.0125
498	3	Unbiased	31.901	31.861	-0.0409
499	3	Unbiased	31.884	31.795	-0.0885
500	3	Unbiased	31.843	31.83	-0.0131
502	3	Unbiased	31.862	31.836	-0.0261

Test Statistics ((1/fsw) s)

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	31.84	31.87	31.905	0.032553	31.796	31.812	31.842	0.025364	-0.1053	-0.057133	-0.022	0.043152
3	31.795	31.86	31.901	0.030582	31.795	31.832	31.866	0.022745	-0.0885	-0.02858	0.0202	0.032114
10	31.754	31.841	31.887	0.048613	31.807	31.866	31.971	0.045191	-0.0227	0.02477	0.1101	0.047299
30	31.795	31.86	31.919	0.036324	31.801	31.822	31.859	0.017178	-0.115	-0.03723	0.0228	0.040359
50	31.807	31.86	31.906	0.033825	31.783	31.845	31.886	0.027137	-0.1215	-0.01517	0.0789	0.055993
100	31.777	31.841	31.864	0.02622	31.789	31.824	31.845	0.019666	-0.0465	-0.01708	0.0679	0.031459

Device Test: 24.78 T_FAULT_DELAY(TIMING|DELAY/FAULT/5//34.8k//@T_FAULT_DELAY)





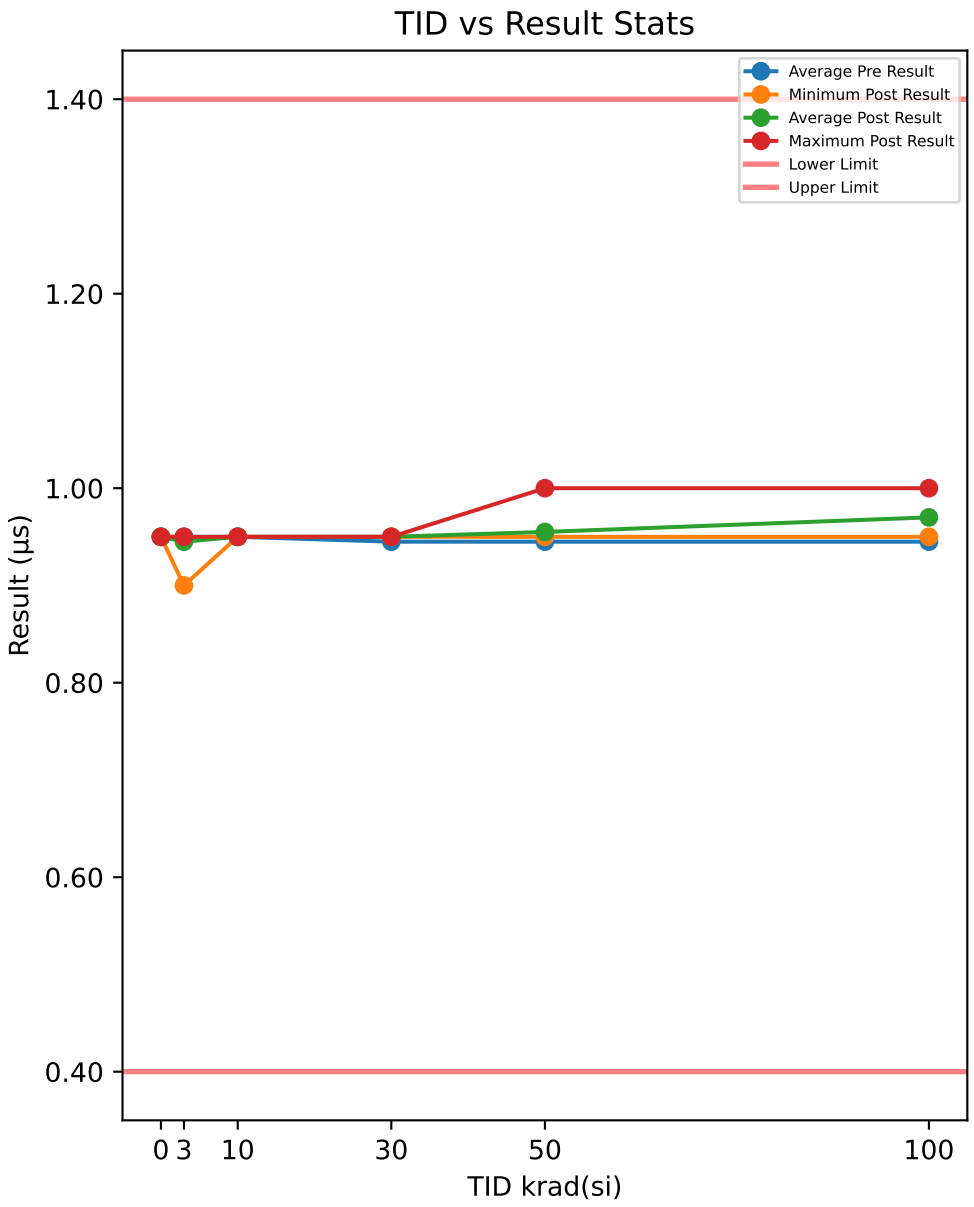
Test Results (Lower Limit = 26.0, Upper Limit = 44.0 ((1/fsw) s))

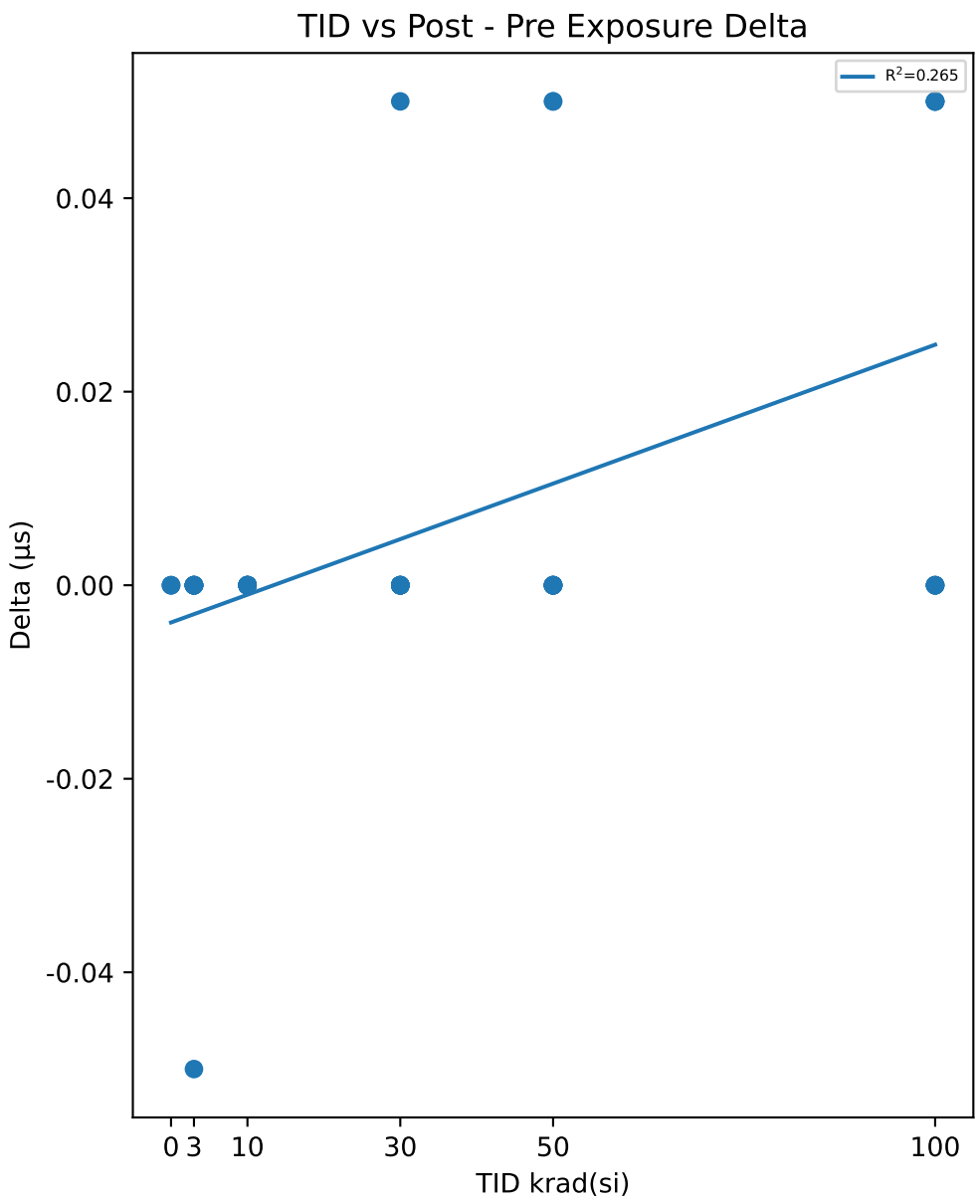
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
390	100	Biased	33.175	31.252	-1.9233
392	100	Biased	33.269	33.388	0.1196
393	100	Biased	33.346	33.663	0.3167
394	100	Biased	32.945	32.71	-0.2349
395	100	Biased	33.495	30.944	-2.551
412	100	Unbiased	33.255	33.519	0.2642
413	100	Unbiased	33.321	33.491	0.1696
414	100	Unbiased	33.169	33.581	0.4129
415	100	Unbiased	33.122	33.51	0.3879
416	100	Unbiased	33.332	33.373	0.0417
417	50	Biased	33.214	31.861	-1.3536
418	50	Biased	33.028	32.961	-0.0662
419	50	Biased	33.147	33.405	0.2584
421	50	Biased	33.48	33.332	-0.148
422	50	Biased	33.261	33.288	0.0267
423	50	Unbiased	33.067	32.887	-0.1801
424	50	Unbiased	33.33	33.313	-0.0176
425	50	Unbiased	33.059	32.133	-0.9255
426	50	Unbiased	32.99	33.139	0.1492
427	50	Unbiased	33.427	33.181	-0.2457
463	0	Corr	33.252	33.112	-0.1393
464	0	Corr	33.329	33.191	-0.1381
465	0	Corr	33.296	33.189	-0.1068
466	30	Biased	32.799	32.539	-0.2601
469	30	Biased	33.174	33.273	0.0991
470	30	Biased	33.236	33.291	0.0542
472	30	Biased	33.033	32.808	-0.2243
474	30	Biased	33.026	32.843	-0.1827
475	30	Unbiased	32.913	32.745	-0.1681
477	30	Unbiased	33.261	32.807	-0.4534
478	30	Unbiased	32.996	32.645	-0.351
479	30	Unbiased	33.408	33.098	-0.3105
480	30	Unbiased	33.049	32.827	-0.2219
481	10	Biased	33.276	33.247	-0.0293
482	10	Biased	33.378	33.367	-0.0107
483	10	Biased	33.259	33.103	-0.1561
484	10	Biased	33.525	33.321	-0.2046
485	10	Biased	33.404	33.163	-0.2419
487	10	Unbiased	32.926	32.707	-0.2187
488	10	Unbiased	33.218	33.199	-0.0195
489	10	Unbiased	33.29	33.215	-0.0752
490	10	Unbiased	33.17	33.148	-0.0218
491	10	Unbiased	33.314	33.145	-0.1686
492	3	Biased	32.697	32.673	-0.0244
493	3	Biased	33.219	33.104	-0.1145
494	3	Biased	33.365	33.333	-0.0323
495	3	Biased	33.101	32.963	-0.1381
496	3	Biased	33.071	33.047	-0.024
497	3	Unbiased	33.342	33.243	-0.099
498	3	Unbiased	33.107	32.868	-0.2386
499	3	Unbiased	33.079	33.05	-0.0294
500	3	Unbiased	33.072	33.045	-0.0277
502	3	Unbiased	33.447	33.432	-0.0155

Test Statistics ((1/fsw) s)

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	33.252	33.292	33.329	0.038912	33.112	33.164	33.191	0.044818	-0.1393	-0.12807	-0.1068	0.018427
3	32.697	33.15	33.447	0.21155	32.673	33.076	33.432	0.22165	-0.2386	-0.07435	-0.0155	0.072816
10	32.926	33.276	33.525	0.15919	32.707	33.161	33.367	0.1793	-0.2419	-0.11464	-0.0107	0.092532
30	32.799	33.089	33.408	0.18041	32.539	32.888	33.291	0.25259	-0.4534	-0.20187	0.0991	0.16973
50	32.99	33.2	33.48	0.17156	31.861	32.95	33.405	0.53182	-1.3536	-0.25024	0.2584	0.50241
100	32.945	33.243	33.495	0.15007	30.944	32.943	33.663	1.0095	-2.551	-0.29966	0.4129	1.0488

Device Test: 24.79 T_FAULT_MIN(TIMING|MINON/FAULT/5//511k//@T_FAULT_MIN)





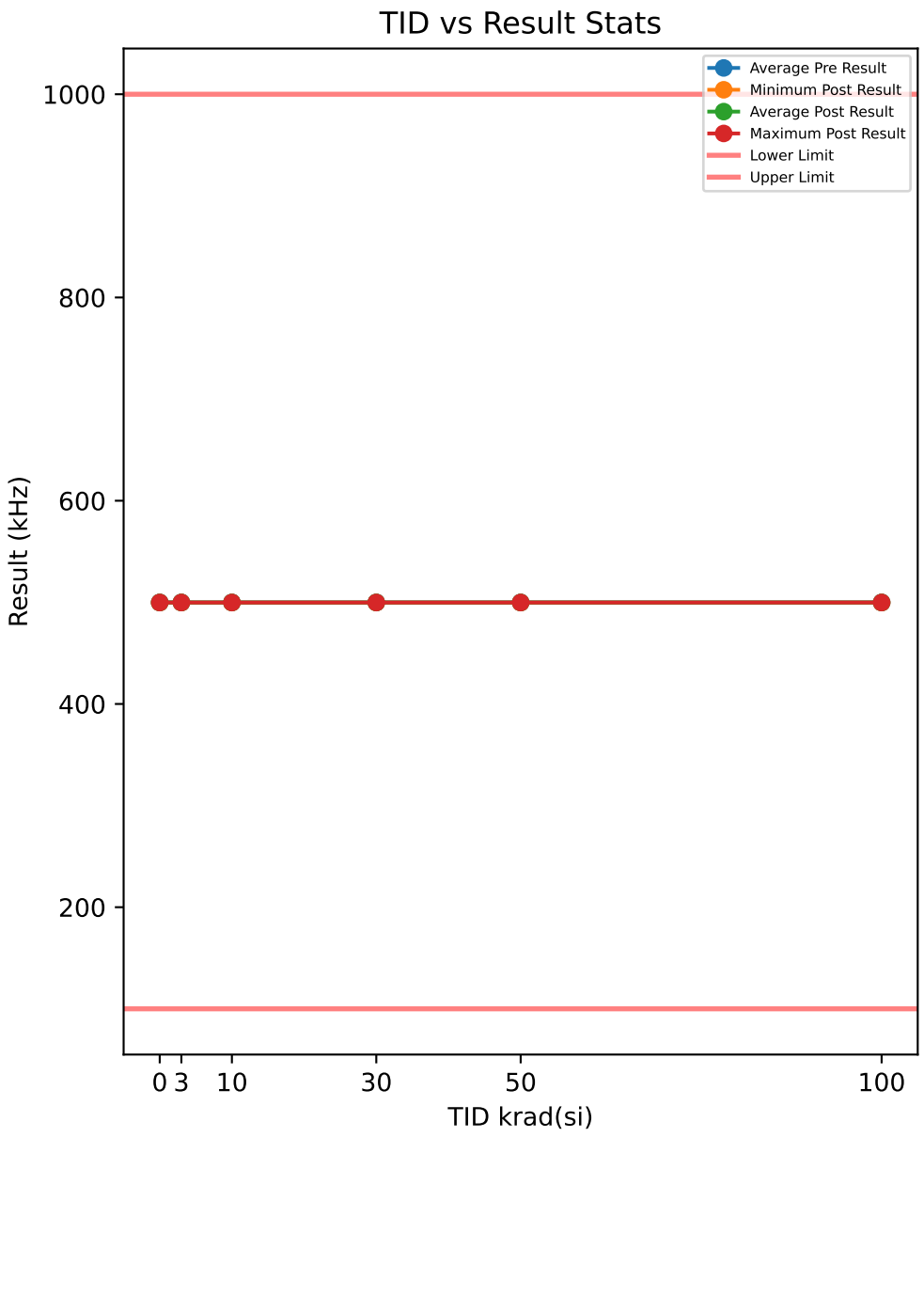
Test Results (Lower Limit = 0.4, Upper Limit = 1.4 (µs))

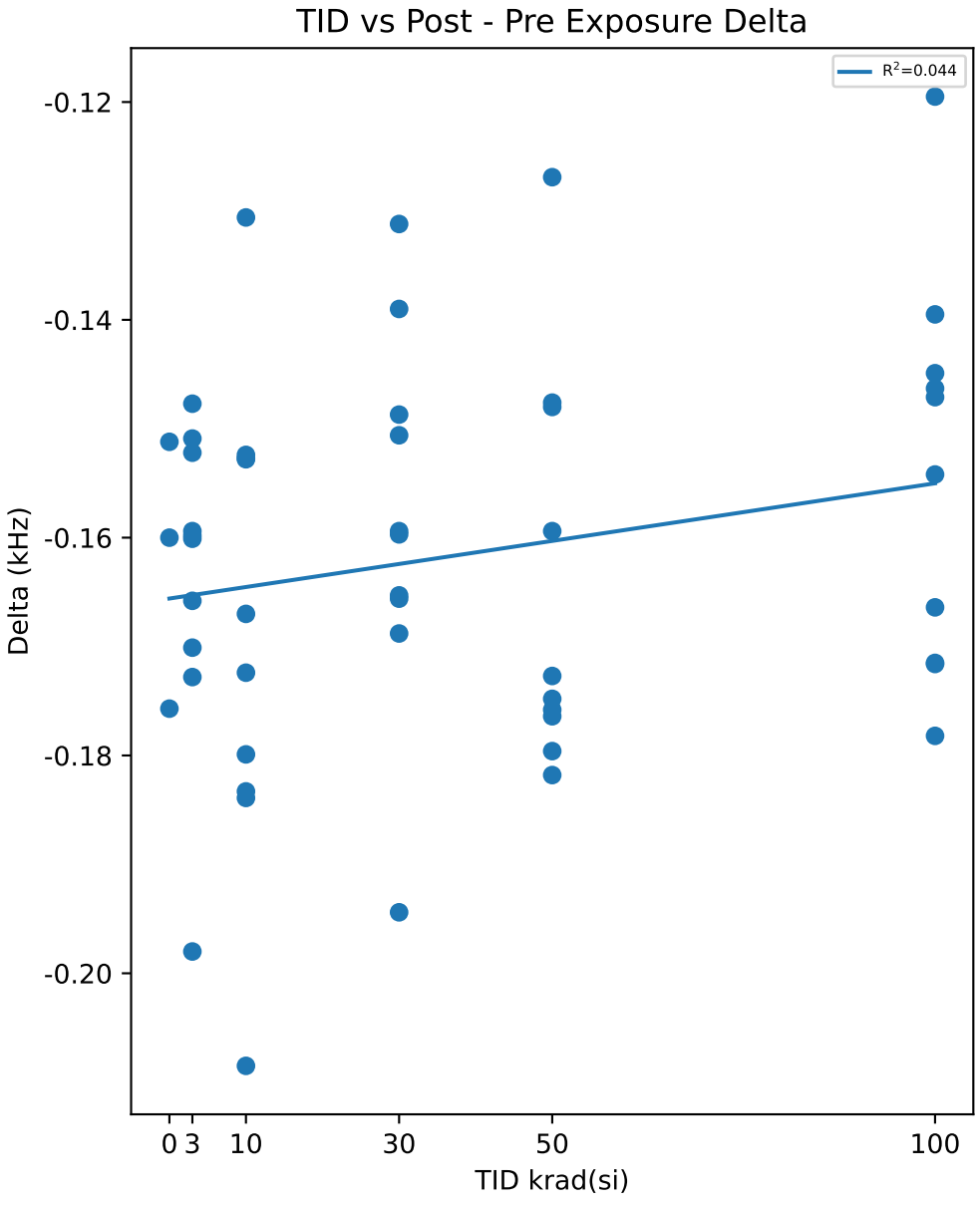
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
390	100	Biased	0.9	0.95	0.05
392	100	Biased	0.95	0.95	0
393	100	Biased	0.95	0.95	0
394	100	Biased	0.95	0.95	0
395	100	Biased	0.95	0.95	0
412	100	Unbiased	0.95	1	0.05
413	100	Unbiased	0.95	1	0.05
414	100	Unbiased	0.95	0.95	0
415	100	Unbiased	0.95	1	0.05
416	100	Unbiased	0.95	1	0.05
417	50	Biased	0.9	0.95	0.05
418	50	Biased	0.95	0.95	0
419	50	Biased	0.95	0.95	0
421	50	Biased	0.95	0.95	0
422	50	Biased	0.95	0.95	0
423	50	Unbiased	0.95	0.95	0
424	50	Unbiased	0.95	1	0.05
425	50	Unbiased	0.95	0.95	0
426	50	Unbiased	0.95	0.95	0
427	50	Unbiased	0.95	0.95	0
463	0	Corr	0.95	0.95	0
464	0	Corr	0.95	0.95	0
465	0	Corr	0.95	0.95	0
466	30	Biased	0.95	0.95	0
469	30	Biased	0.95	0.95	0
470	30	Biased	0.95	0.95	0
472	30	Biased	0.95	0.95	0
474	30	Biased	0.95	0.95	0
475	30	Unbiased	0.95	0.95	0
477	30	Unbiased	0.95	0.95	0
478	30	Unbiased	0.9	0.95	0.05
479	30	Unbiased	0.95	0.95	0
480	30	Unbiased	0.95	0.95	0
481	10	Biased	0.95	0.95	0
482	10	Biased	0.95	0.95	0
483	10	Biased	0.95	0.95	0
484	10	Biased	0.95	0.95	0
485	10	Biased	0.95	0.95	0
487	10	Unbiased	0.95	0.95	0
488	10	Unbiased	0.95	0.95	0
489	10	Unbiased	0.95	0.95	0
490	10	Unbiased	0.95	0.95	0
491	10	Unbiased	0.95	0.95	0
492	3	Biased	0.95	0.95	0
493	3	Biased	0.95	0.95	0
494	3	Biased	0.95	0.95	0
495	3	Biased	0.95	0.95	0
496	3	Biased	0.95	0.9	-0.05
497	3	Unbiased	0.95	0.95	0
498	3	Unbiased	0.95	0.95	0
499	3	Unbiased	0.95	0.95	0
500	3	Unbiased	0.95	0.95	0
502	3	Unbiased	0.95	0.95	0

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	0.95	0.95	0.95	0	0.95	0.95	0.95	0	0	0	0	0
3	0.95	0.95	0.95	0	0.9	0.945	0.95	0.015811	-0.05	-0.005	0	0.015811
10	0.95	0.95	0.95	0	0.95	0.95	0.95	0	0	0	0	0
30	0.9	0.945	0.95	0.015811	0.95	0.95	0.95	0	0	0.005	0.05	0.015811
50	0.9	0.945	0.95	0.015811	0.95	0.955	1	0.015811	0	0.01	0.05	0.021082
100	0.9	0.945	0.95	0.015811	0.95	0.97	1	0.02582	0	0.025	0.05	0.026352

Device Test: 24.8 SYNC_FREQ_RANGE(FREQ|500kHz/SYNC1/4.5//OPEN//@SYNC_FREQ_RANGE)





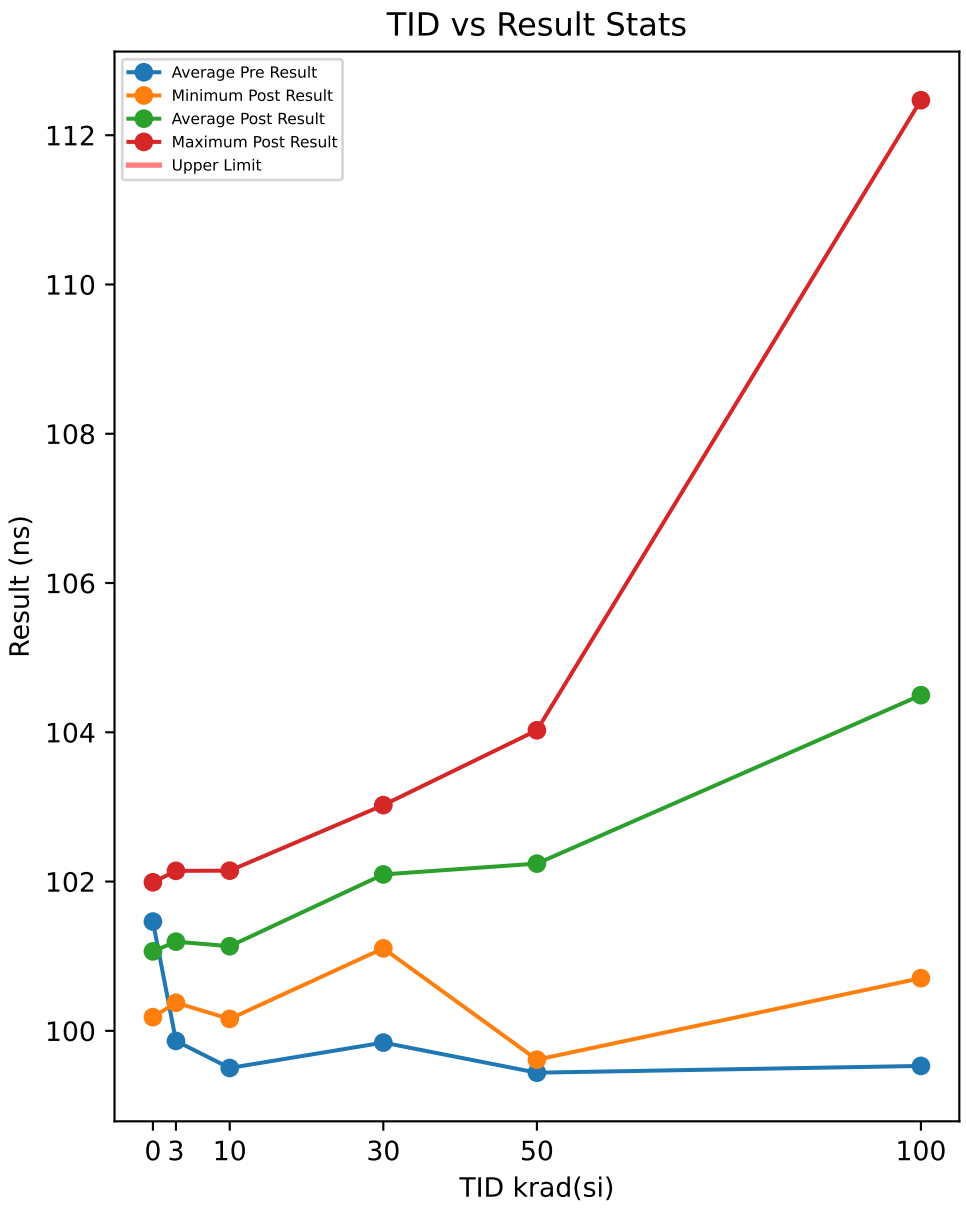
Test Results (Lower Limit = 100.0, Upper Limit = 1000.0 (kHz))

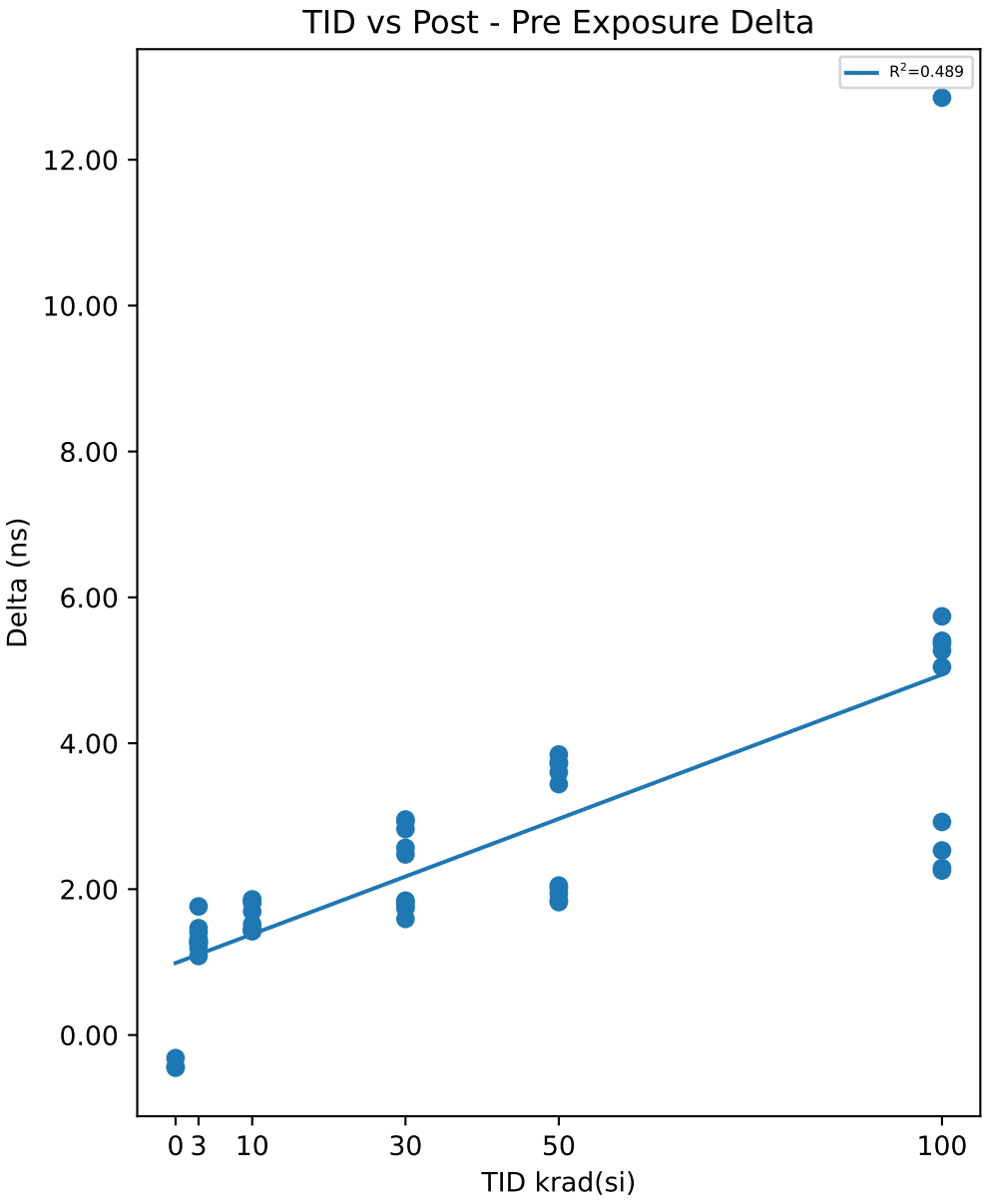
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
390	100	Biased	499.95	499.81	-0.1395
392	100	Biased	499.97	499.79	-0.1782
393	100	Biased	499.96	499.81	-0.1471
394	100	Biased	499.95	499.8	-0.1449
395	100	Biased	499.95	499.78	-0.1715
412	100	Unbiased	499.96	499.8	-0.1664
413	100	Unbiased	499.95	499.81	-0.1463
414	100	Unbiased	499.97	499.8	-0.1716
415	100	Unbiased	499.95	499.83	-0.1195
416	100	Unbiased	499.96	499.81	-0.1542
417	50	Biased	499.96	499.8	-0.1594
418	50	Biased	499.95	499.8	-0.148
419	50	Biased	499.95	499.81	-0.1476
421	50	Biased	499.98	499.8	-0.1758
422	50	Biased	499.98	499.8	-0.1764
423	50	Unbiased	499.96	499.78	-0.1796
424	50	Unbiased	499.98	499.81	-0.1727
425	50	Unbiased	499.93	499.8	-0.1269
426	50	Unbiased	499.96	499.79	-0.1748
427	50	Unbiased	499.96	499.78	-0.1818
463	0	Corr	499.96	499.81	-0.1512
464	0	Corr	499.97	499.8	-0.1757
465	0	Corr	499.96	499.8	-0.16
466	30	Biased	499.98	499.79	-0.1944
469	30	Biased	499.96	499.79	-0.1688
470	30	Biased	499.96	499.8	-0.1597
472	30	Biased	499.95	499.79	-0.1653
474	30	Biased	499.95	499.78	-0.1656
475	30	Unbiased	499.94	499.8	-0.139
477	30	Unbiased	499.96	499.81	-0.1506
478	30	Unbiased	499.94	499.8	-0.1312
479	30	Unbiased	499.96	499.81	-0.1594
480	30	Unbiased	499.95	499.81	-0.1487
481	10	Biased	499.97	499.79	-0.1799
482	10	Biased	499.95	499.8	-0.1524
483	10	Biased	499.97	499.78	-0.1839
484	10	Biased	499.99	499.78	-0.2085
485	10	Biased	499.93	499.8	-0.1306
487	10	Unbiased	499.95	499.8	-0.1528
488	10	Unbiased	499.96	499.8	-0.167
489	10	Unbiased	499.97	499.79	-0.1833
490	10	Unbiased	499.95	499.78	-0.1724
491	10	Unbiased	499.94	499.79	-0.1527
492	3	Biased	499.96	499.8	-0.1601
493	3	Biased	499.97	499.8	-0.1658
494	3	Biased	499.99	499.8	-0.198
495	3	Biased	499.96	499.82	-0.1477
496	3	Biased	499.96	499.8	-0.1598
497	3	Unbiased	499.98	499.81	-0.1701
498	3	Unbiased	499.96	499.81	-0.1522
499	3	Unbiased	499.97	499.79	-0.1728
500	3	Unbiased	499.96	499.8	-0.1594
502	3	Unbiased	499.96	499.81	-0.1509

Test Statistics (kHz)

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	499.96	499.96	499.97	0.0073358	499.8	499.8	499.81	0.0074675	-0.1757	-0.1623	-0.1512	0.012411
3	499.96	499.97	499.99	0.011881	499.79	499.8	499.82	0.006775	-0.198	-0.16368	-0.1477	0.014543
10	499.93	499.96	499.99	0.018033	499.78	499.79	499.8	0.007519	-0.2085	-0.16835	-0.1306	0.022099
30	499.94	499.96	499.98	0.0133	499.78	499.8	499.81	0.0094163	-0.1944	-0.15827	-0.1312	0.017567
50	499.93	499.96	499.98	0.015908	499.78	499.8	499.81	0.010544	-0.1818	-0.1643	-0.1269	0.018157
100	499.95	499.96	499.97	0.0098055	499.78	499.8	499.83	0.01199	-0.1782	-0.15392	-0.1195	0.018091

Device Test: 24.80 T_DEAD(TIMING|DELAY/SW/5//511k//@T_DEAD)





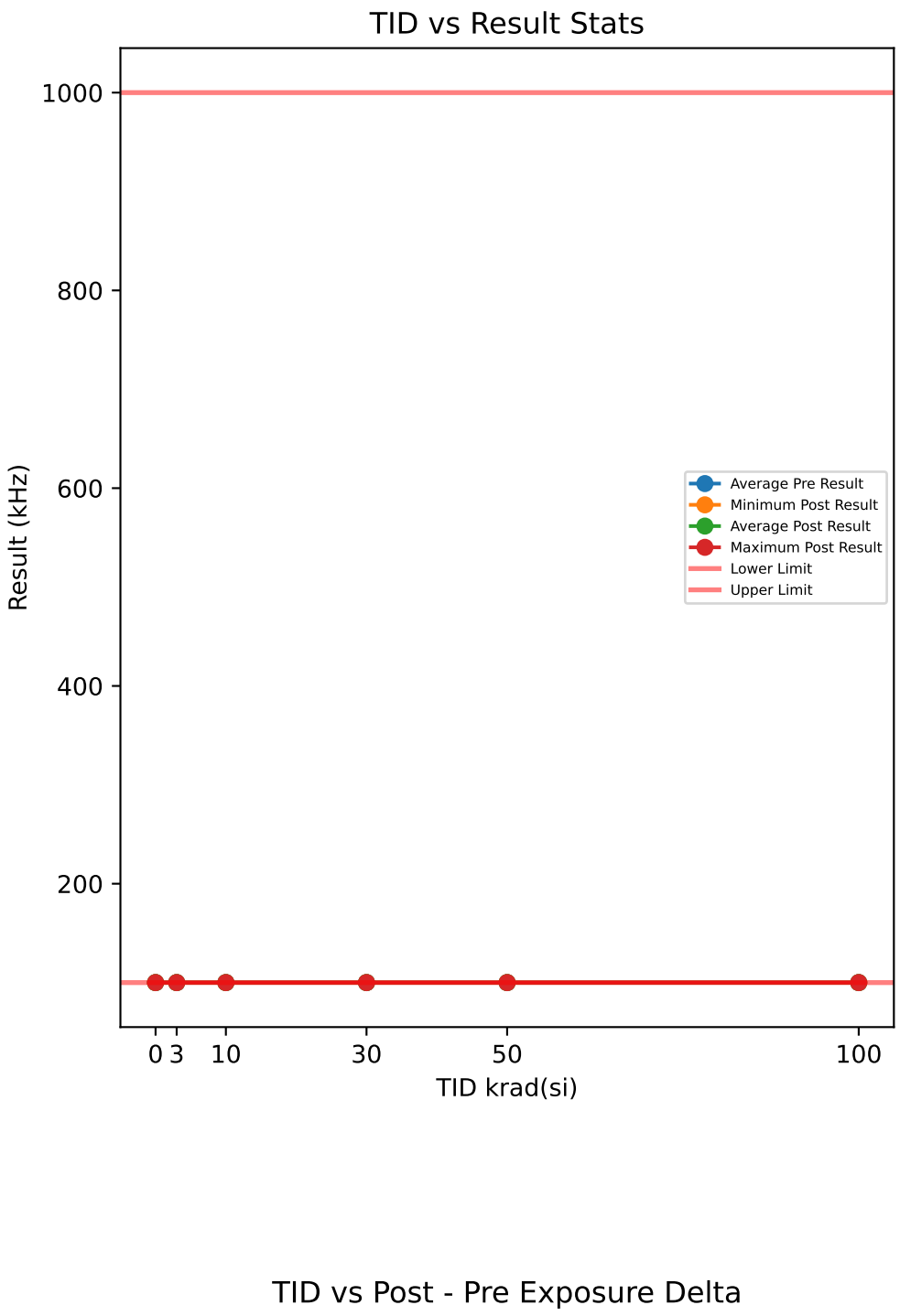
Test Results (No Limits Specified (ns))

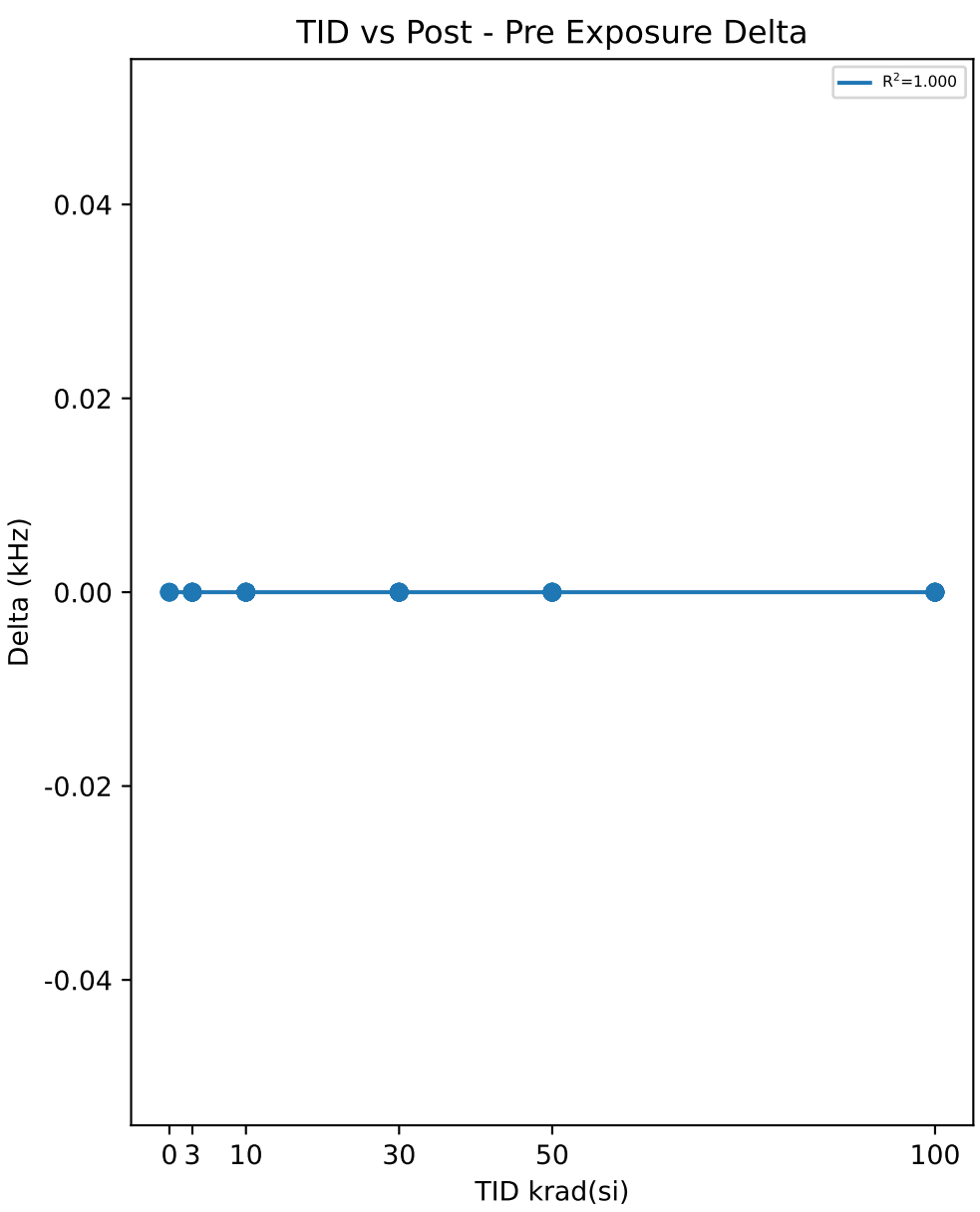
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
390	100	Biased	99.852	105.26	5.4051
392	100	Biased	99.989	105.26	5.2702
393	100	Biased	99.5	104.87	5.3662
394	100	Biased	100.69	106.43	5.7402
395	100	Biased	99.071	104.12	5.0465
412	100	Unbiased	99.21	101.74	2.5303
413	100	Unbiased	98.416	100.71	2.2898
414	100	Unbiased	100.02	102.94	2.9217
415	100	Unbiased	99.618	112.47	12.851
416	100	Unbiased	98.933	101.19	2.2556
417	50	Biased	100.26	103.98	3.7182
418	50	Biased	99.772	103.37	3.6011
419	50	Biased	99.224	102.96	3.7394
421	50	Biased	98.336	101.78	3.4401
422	50	Biased	100.18	104.03	3.846
423	50	Unbiased	98.979	100.8	1.8222
424	50	Unbiased	97.767	99.613	1.846
425	50	Unbiased	100.08	102.13	2.0492
426	50	Unbiased	100.2	102.14	1.9375
427	50	Unbiased	99.591	101.61	2.0145
463	0	Corr	100.62	100.18	-0.4341
464	0	Corr	101.47	101.02	-0.4482
465	0	Corr	102.31	101.99	-0.3165
466	30	Biased	99.739	102.67	2.9275
469	30	Biased	98.901	101.47	2.5673
470	30	Biased	99.757	102.71	2.9552
472	30	Biased	99.321	101.8	2.4763
474	30	Biased	100.2	103.02	2.8243
475	30	Unbiased	100.68	102.52	1.8427
477	30	Unbiased	100.28	102.11	1.834
478	30	Unbiased	100.3	102.07	1.7741
479	30	Unbiased	99.513	101.1	1.5923
480	30	Unbiased	99.737	101.47	1.7376
481	10	Biased	99.074	100.89	1.8134
482	10	Biased	99.54	101.39	1.8523
483	10	Biased	98.465	100.16	1.6947
484	10	Biased	99.009	100.87	1.8593
485	10	Biased	99.581	101.41	1.8264
487	10	Unbiased	100.72	102.15	1.4238
488	10	Unbiased	100.22	101.65	1.427
489	10	Unbiased	99.912	101.37	1.4578
490	10	Unbiased	99.735	101.25	1.5198
491	10	Unbiased	98.763	100.2	1.44
492	3	Biased	100.41	101.72	1.3102
493	3	Biased	99.301	100.6	1.3004
494	3	Biased	100.1	101.36	1.2596
495	3	Biased	100.17	101.57	1.4074
496	3	Biased	99.667	101.13	1.4655
497	3	Unbiased	99.956	101.04	1.0835
498	3	Unbiased	100.3	101.55	1.2535
499	3	Unbiased	100.95	102.14	1.1918
500	3	Unbiased	99.108	100.38	1.2687
502	3	Unbiased	98.695	100.46	1.763

Test Statistics (ns)

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	100.62	101.46	102.31	0.84471	100.18	101.06	101.99	0.90432	-0.4482	-0.3996	-0.3165	0.072311
3	98.695	99.865	100.95	0.67601	100.38	101.19	102.14	0.58316	1.0835	1.3304	1.763	0.18485
10	98.465	99.502	100.72	0.68959	100.16	101.13	102.15	0.61864	1.4238	1.6315	1.8593	0.19436
30	98.901	99.843	100.68	0.5295	101.1	102.1	103.02	0.63256	1.5923	2.2531	2.9552	0.54757
50	97.767	99.439	100.26	0.85751	99.613	102.24	104.03	1.3996	1.8222	2.8014	3.846	0.92268
100	98.416	99.53	100.69	0.65122	100.71	104.5	112.47	3.4005	2.2556	4.9677	12.851	3.1242

Device Test: 24.81 SYNC_FREQ_RANGE(FREQ|100kHz/SYNC1/12//OPEN//@SYNC_FREQ_RANGE)





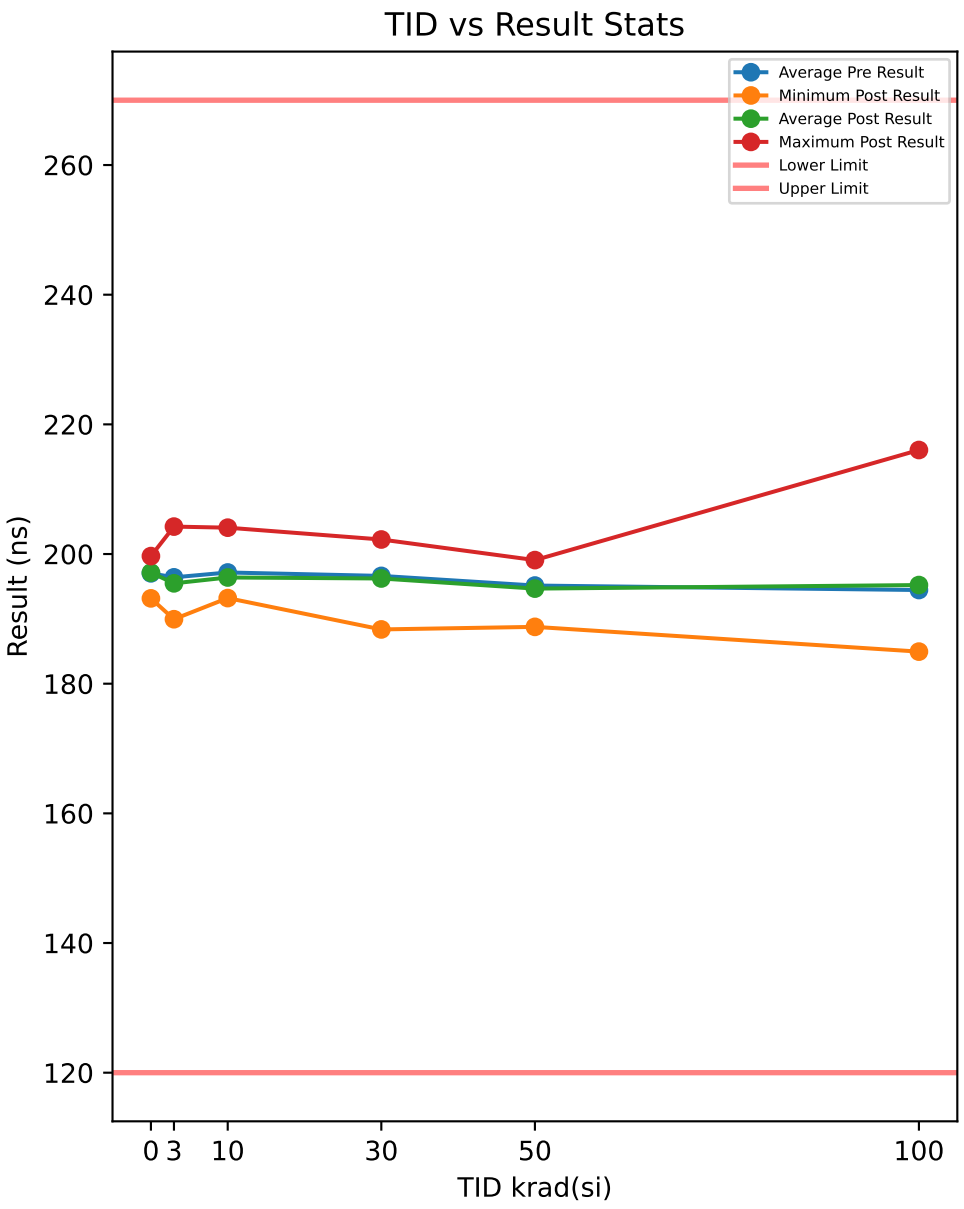
Test Results (Lower Limit = 100.0, Upper Limit = 1000.0 (kHz))

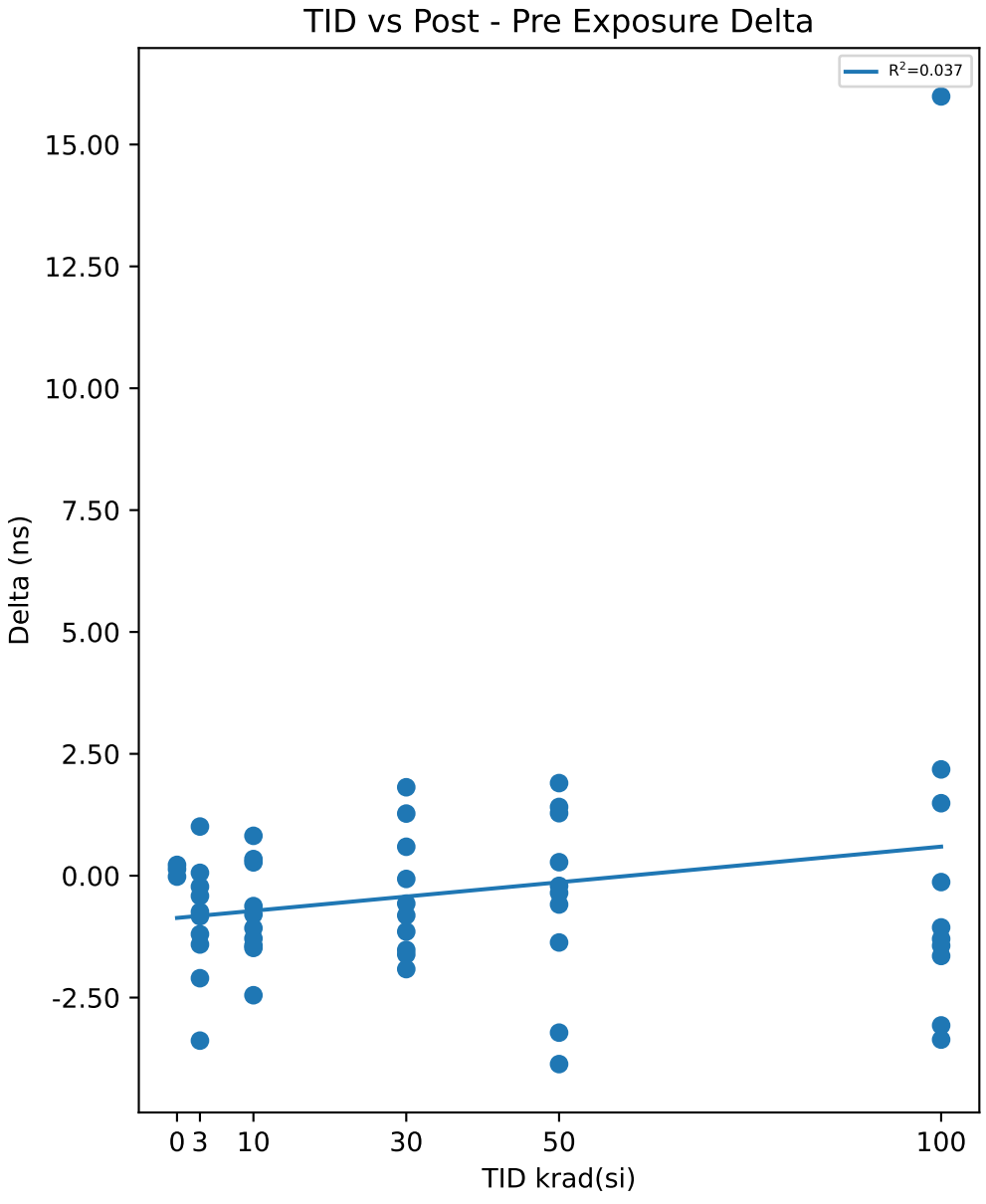
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
390	100	Biased	100	100	0
392	100	Biased	100	100	0
393	100	Biased	100	100	0
394	100	Biased	100	100	0
395	100	Biased	100	100	0
412	100	Unbiased	100	100	0
413	100	Unbiased	100	100	0
414	100	Unbiased	100	100	0
415	100	Unbiased	100	100	0
416	100	Unbiased	100	100	0
417	50	Biased	100	100	0
418	50	Biased	100	100	0
419	50	Biased	100	100	0
421	50	Biased	100	100	0
422	50	Biased	100	100	0
423	50	Unbiased	100	100	0
424	50	Unbiased	100	100	0
425	50	Unbiased	100	100	0
426	50	Unbiased	100	100	0
427	50	Unbiased	100	100	0
463	0	Corr	100	100	0
464	0	Corr	100	100	0
465	0	Corr	100	100	0
466	30	Biased	100	100	0
469	30	Biased	100	100	0
470	30	Biased	100	100	0
472	30	Biased	100	100	0
474	30	Biased	100	100	0
475	30	Unbiased	100	100	0
477	30	Unbiased	100	100	0
478	30	Unbiased	100	100	0
479	30	Unbiased	100	100	0
480	30	Unbiased	100	100	0
481	10	Biased	100	100	0
482	10	Biased	100	100	0
483	10	Biased	100	100	0
484	10	Biased	100	100	0
485	10	Biased	100	100	0
487	10	Unbiased	100	100	0
488	10	Unbiased	100	100	0
489	10	Unbiased	100	100	0
490	10	Unbiased	100	100	0
491	10	Unbiased	100	100	0
492	3	Biased	100	100	0
493	3	Biased	100	100	0
494	3	Biased	100	100	0
495	3	Biased	100	100	0
496	3	Biased	100	100	0
497	3	Unbiased	100	100	0
498	3	Unbiased	100	100	0
499	3	Unbiased	100	100	0
500	3	Unbiased	100	100	0
502	3	Unbiased	100	100	0

Test Statistics (kHz)

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

Device Test: 24.82 SYNC1_SW_DELAY(TIMING|DELAY/SYNC1/12//OPEN//@SYNC1_SW_DELAY)





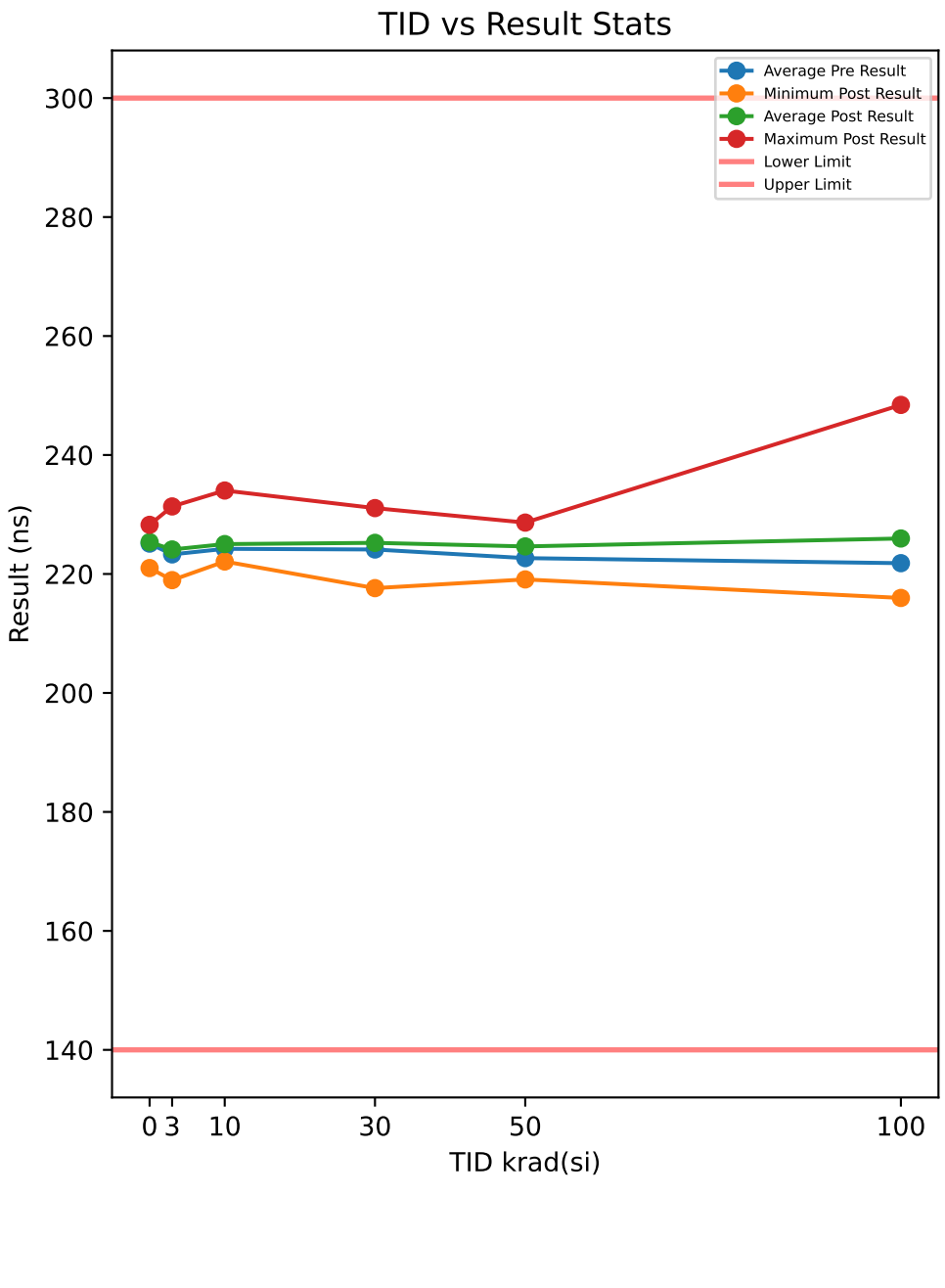
Test Results (Lower Limit = 120.0, Upper Limit = 270.0 (ns))

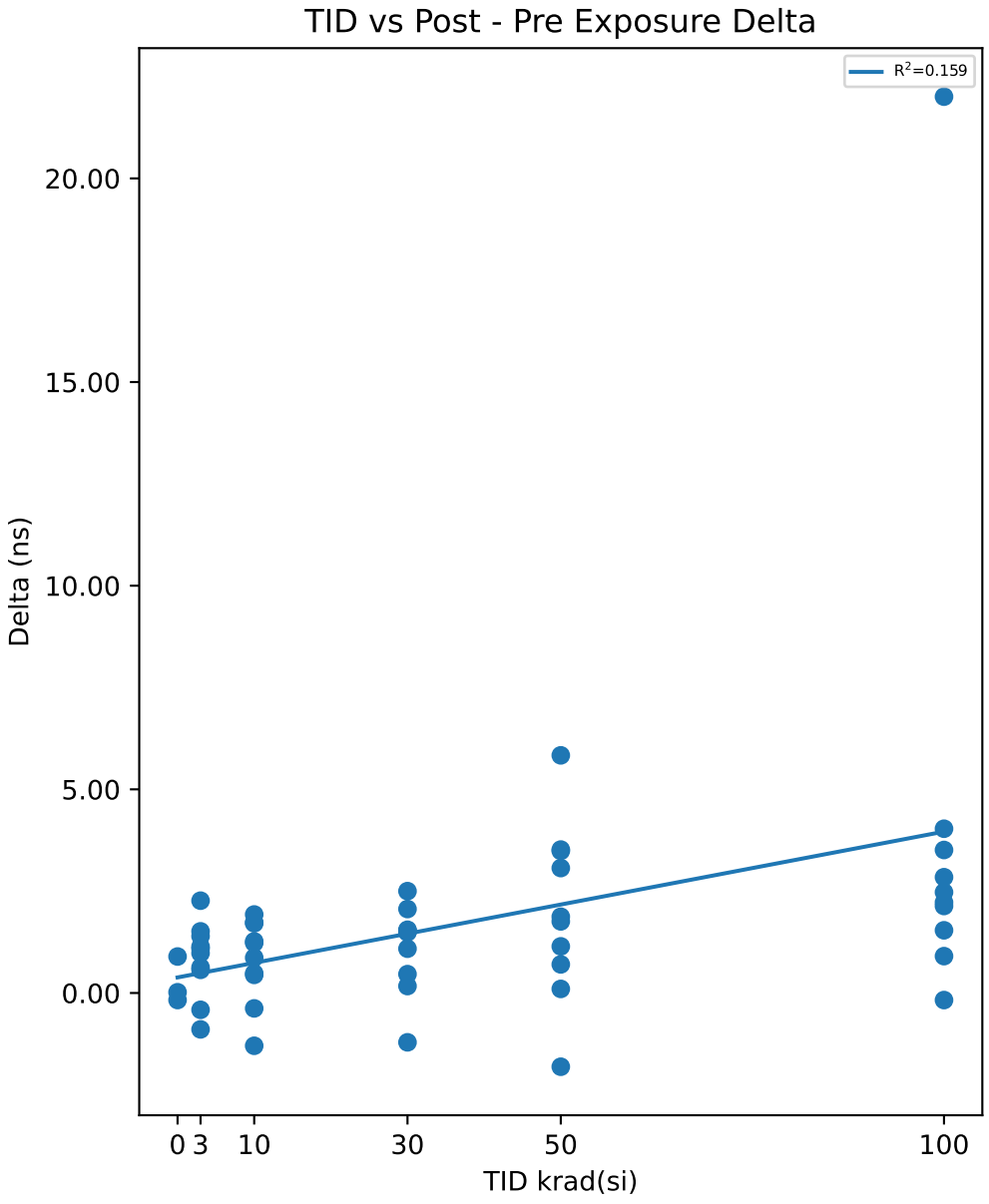
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
390	100	Biased	192.89	191.24	-1.6465
392	100	Biased	192.97	195.15	2.1806
393	100	Biased	190.85	189.55	-1.2956
394	100	Biased	192.38	193.87	1.4871
395	100	Biased	194.06	192.62	-1.4357
412	100	Unbiased	195.8	194.74	-1.0612
413	100	Unbiased	188.31	184.95	-3.3623
414	100	Unbiased	199.49	199.36	-0.1307
415	100	Unbiased	200.06	216.04	15.987
416	100	Unbiased	197.69	194.61	-3.0713
417	50	Biased	196.82	198.23	1.4105
418	50	Biased	197.78	199.06	1.2822
419	50	Biased	192.9	191.53	-1.3699
421	50	Biased	193.89	193.68	-0.2082
422	50	Biased	196.06	197.96	1.8998
423	50	Unbiased	198.66	195.44	-3.2194
424	50	Unbiased	193.39	193.04	-0.353
425	50	Unbiased	197.39	193.53	-3.8646
426	50	Unbiased	195.15	195.43	0.2774
427	50	Unbiased	189.36	188.77	-0.591
463	0	Corr	193.18	193.16	-0.0192
464	0	Corr	198.34	198.56	0.2223
465	0	Corr	199.55	199.68	0.136
466	30	Biased	199.39	201.21	1.8144
469	30	Biased	189.19	188.37	-0.8149
470	30	Biased	193.92	192.4	-1.5223
472	30	Biased	194.93	194.36	-0.5718
474	30	Biased	198.75	198.69	-0.0663
475	30	Unbiased	199.8	201.07	1.2745
477	30	Unbiased	204.16	202.24	-1.916
478	30	Unbiased	192.3	191.16	-1.1467
479	30	Unbiased	196.26	194.64	-1.6144
480	30	Unbiased	197.55	198.14	0.5936
481	10	Biased	201.04	199.61	-1.431
482	10	Biased	196.27	196.61	0.3412
483	10	Biased	194.49	193.21	-1.2879
484	10	Biased	195.83	195.03	-0.7966
485	10	Biased	193.49	194.31	0.8182
487	10	Unbiased	196.55	195.93	-0.6232
488	10	Unbiased	196.44	195.36	-1.0757
489	10	Unbiased	196.29	193.84	-2.4519
490	10	Unbiased	205.55	204.06	-1.4816
491	10	Unbiased	195.59	195.86	0.2732
492	3	Biased	194.65	193.82	-0.8309
493	3	Biased	195.53	195.59	0.0591
494	3	Biased	193.4	192.98	-0.4161
495	3	Biased	191.36	189.94	-1.4113
496	3	Biased	199.23	198.48	-0.7421
497	3	Unbiased	197.12	196.89	-0.2247
498	3	Unbiased	193.33	192.13	-1.1994
499	3	Unbiased	203.22	204.23	1.0086
500	3	Unbiased	200.11	198.01	-2.1028
502	3	Unbiased	196.11	192.73	-3.3835

Test Statistics (ns)

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	193.18	197.02	199.55	3.3818	193.16	197.13	199.68	3.4874	-0.0192	0.11303	0.2223	0.12238
3	191.36	196.4	203.22	3.6	189.94	195.48	204.23	4.1161	-3.3835	-0.92431	1.0086	1.213
10	193.49	197.15	205.55	3.5376	193.21	196.38	204.06	3.226	-2.4519	-0.77153	0.8182	1.0001
30	189.19	196.63	204.16	4.2713	188.37	196.23	202.24	4.7407	-1.916	-0.39699	1.8144	1.2736
50	189.36	195.14	198.66	2.8135	188.77	194.67	199.06	3.2257	-3.8646	-0.47362	1.8998	1.9082
100	188.31	194.45	200.06	3.7848	184.95	195.21	216.04	8.2561	-3.3623	0.76511	15.987	5.6275

Device Test: 24.83 SYNC1_SW_DELAY_INV(TIMING|DELAY/SYNC1/12//OPEN//@SYNC1_SW_DELAY_INV)





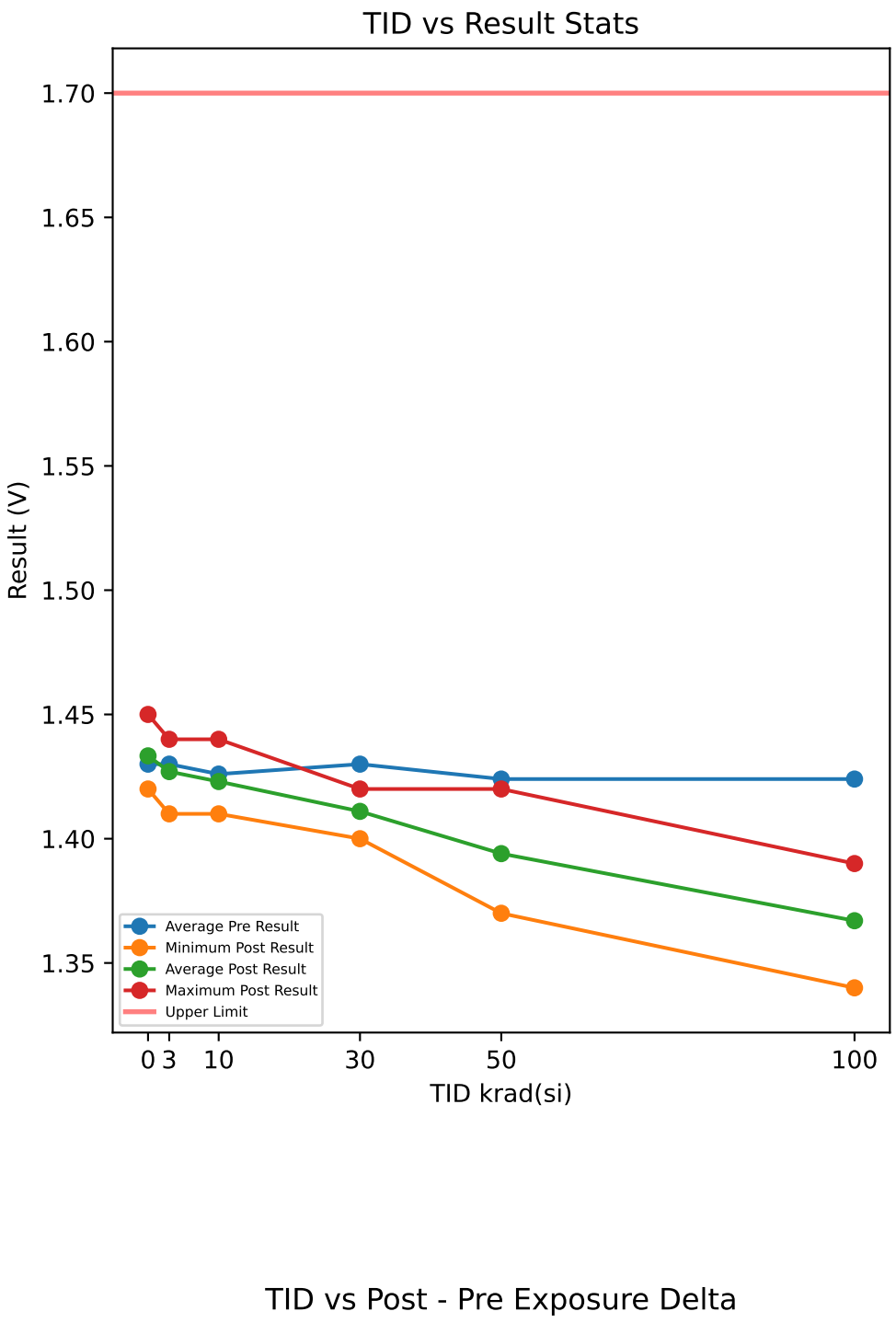
Test Results (Lower Limit = 140.0, Upper Limit = 300.0 (ns))

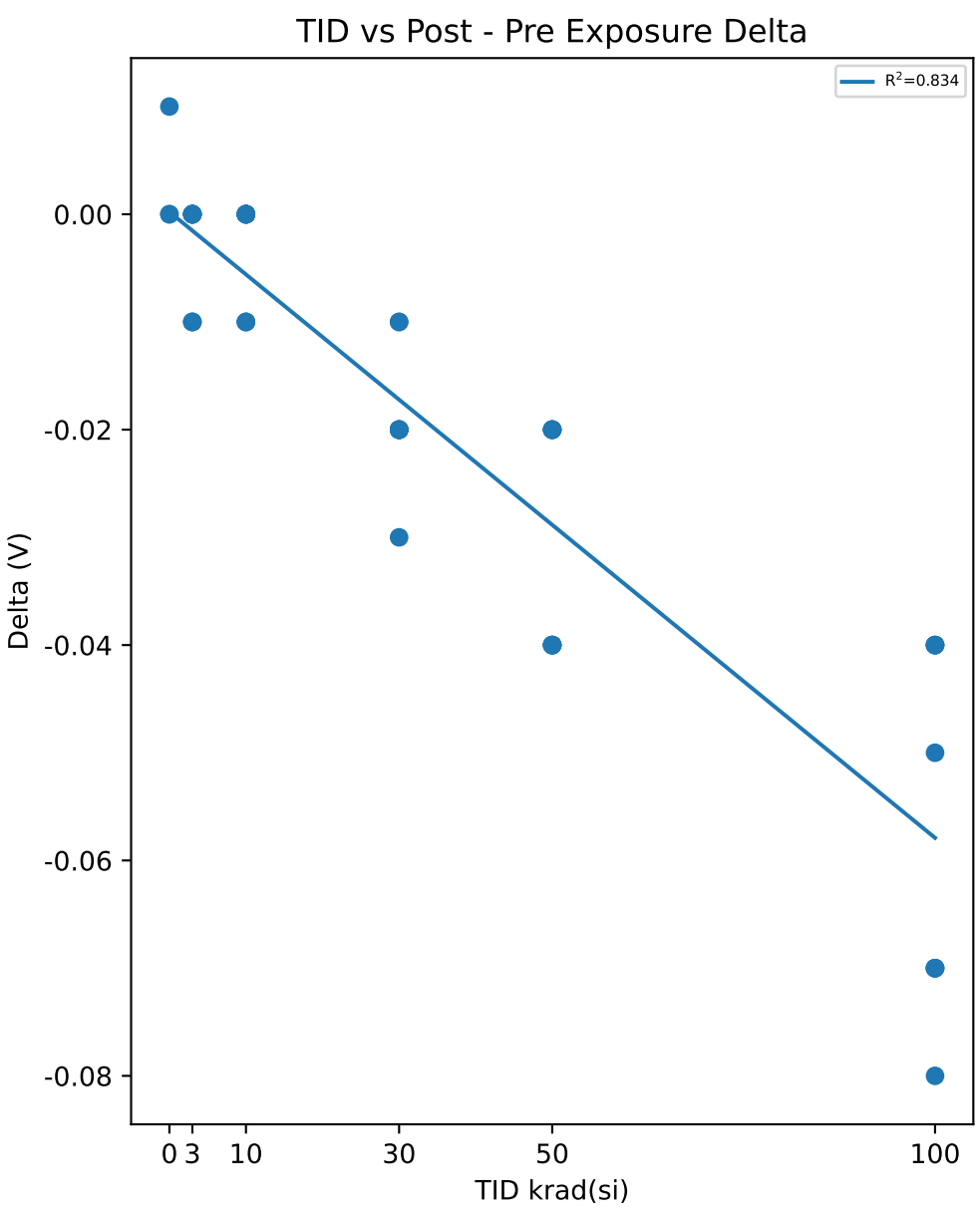
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
390	100	Biased	219.21	222.72	3.5111
392	100	Biased	222.06	224.53	2.4738
393	100	Biased	218.12	220.25	2.1359
394	100	Biased	218.66	222.69	4.0329
395	100	Biased	221.08	223.92	2.8426
412	100	Unbiased	224.4	225.31	0.9048
413	100	Unbiased	216.14	215.97	-0.1739
414	100	Unbiased	227.34	229.56	2.2257
415	100	Unbiased	226.41	248.42	22.007
416	100	Unbiased	224.72	226.26	1.5391
417	50	Biased	224.34	227.86	3.5213
418	50	Biased	224.53	227.6	3.0675
419	50	Biased	219.62	221.38	1.7579
421	50	Biased	222.51	223.21	0.7018
422	50	Biased	222.8	228.64	5.8346
423	50	Unbiased	226.48	226.58	0.1001
424	50	Unbiased	222.24	223.38	1.1446
425	50	Unbiased	224.89	223.08	-1.8107
426	50	Unbiased	223.63	225.5	1.8722
427	50	Unbiased	215.6	219.08	3.4878
463	0	Corr	221.17	220.99	-0.173
464	0	Corr	226.79	226.81	0.018
465	0	Corr	227.37	228.26	0.8953
466	30	Biased	228.81	230.36	1.5524
469	30	Biased	217.45	217.62	0.17
470	30	Biased	220.72	221.8	1.0874
472	30	Biased	222.36	222.82	0.4631
474	30	Biased	224.51	227.01	2.5008
475	30	Unbiased	226.94	229	2.0614
477	30	Unbiased	229.54	231.07	1.5335
478	30	Unbiased	219.94	221.43	1.491
479	30	Unbiased	224.9	223.69	-1.2115
480	30	Unbiased	225.99	227.49	1.5029
481	10	Biased	227.18	228.41	1.2307
482	10	Biased	222.57	224.28	1.711
483	10	Biased	222.48	222.1	-0.3785
484	10	Biased	222.03	223.96	1.9275
485	10	Biased	221.32	223.05	1.7343
487	10	Unbiased	222.77	223.22	0.4446
488	10	Unbiased	223.63	224.9	1.2674
489	10	Unbiased	223.43	222.13	-1.2962
490	10	Unbiased	233.55	234.03	0.4825
491	10	Unbiased	223.29	224.16	0.8664
492	3	Biased	221.86	222.49	0.6291
493	3	Biased	224.09	225.61	1.5133
494	3	Biased	220.81	221.38	0.5684
495	3	Biased	219.38	218.97	-0.4129
496	3	Biased	225.68	227.07	1.3944
497	3	Unbiased	224.11	225.09	0.9779
498	3	Unbiased	218.96	221.23	2.2663
499	3	Unbiased	230.27	231.35	1.0874
500	3	Unbiased	225.79	226.93	1.1403
502	3	Unbiased	221.96	221.07	-0.894

Test Statistics (ns)

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	221.17	225.11	227.37	3.4252	220.99	225.35	228.26	3.8459	-0.173	0.24677	0.8953	0.56971
3	218.96	223.29	230.27	3.4313	218.97	224.12	231.35	3.7501	-0.894	0.82702	2.2663	0.92247
10	221.32	224.22	233.55	3.6302	222.1	225.02	234.03	3.6372	-1.2962	0.79897	1.9275	1.0216
30	217.45	224.12	229.54	3.9463	217.62	225.23	231.07	4.4119	-1.2115	1.1151	2.5008	1.0649
50	215.6	222.66	226.48	3.0949	219.08	224.63	228.64	3.1124	-1.8107	1.9677	5.8346	2.134
100	216.14	221.81	227.34	3.8001	215.97	225.96	248.42	8.6777	-0.1739	4.1499	22.007	6.3911

Device Test: 24.84 SYNC1_VIH(THRESHOLD|RISE/SYNC1/12//OPEN//@SYNC1_VIH)





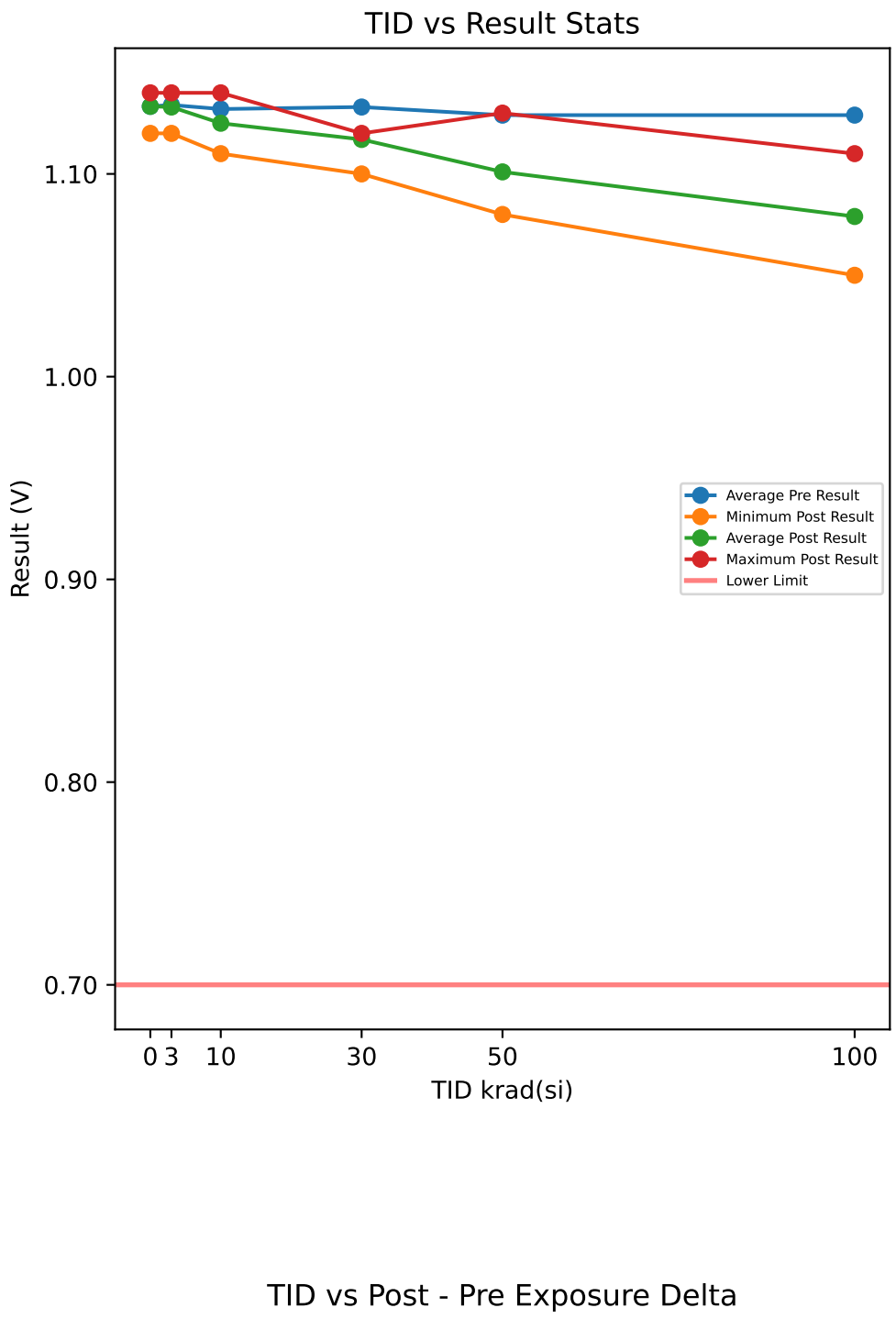
Test Results (Upper Limit = 1.7 (V))

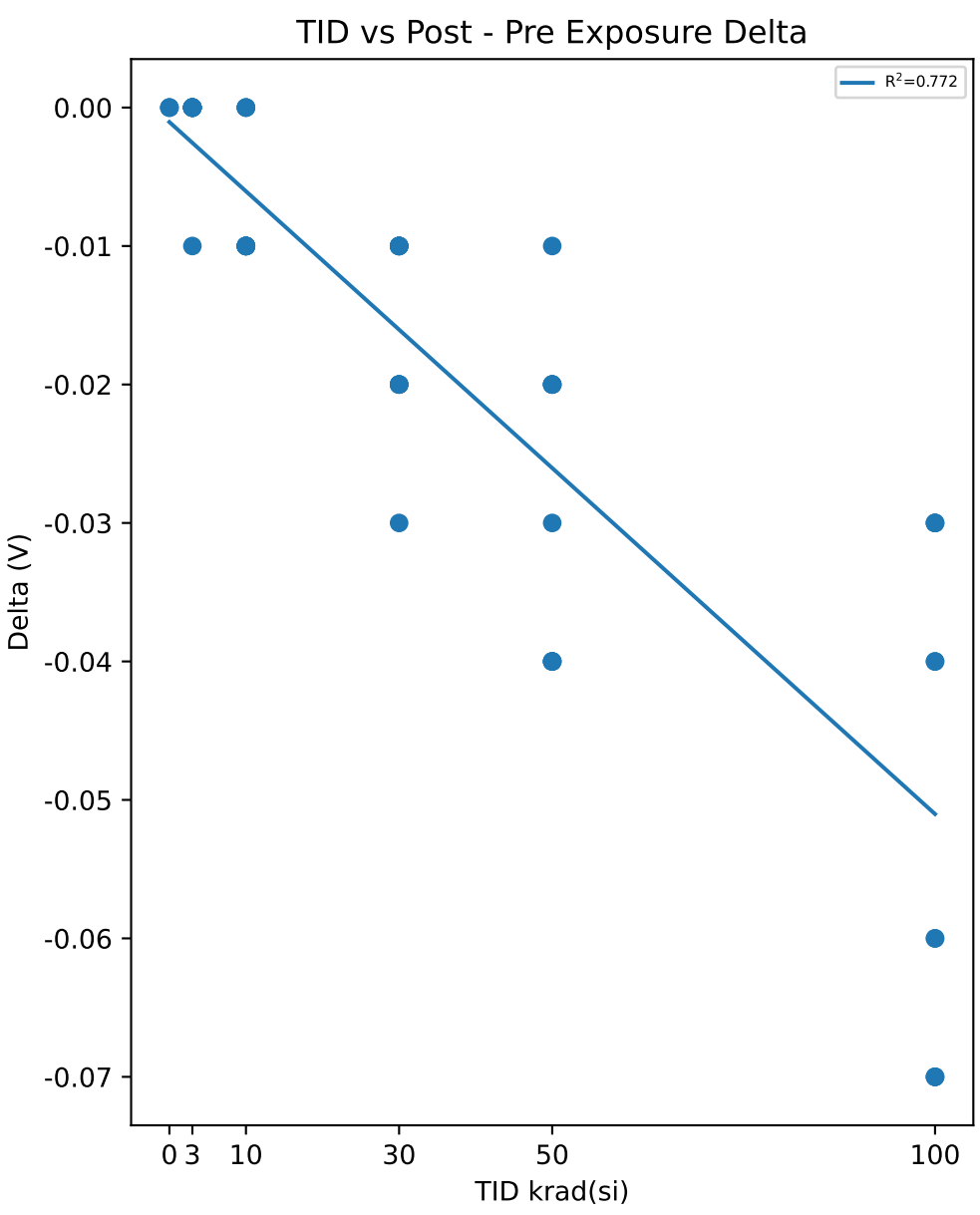
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
390	100	Biased	1.42	1.38	-0.04
392	100	Biased	1.42	1.38	-0.04
393	100	Biased	1.43	1.39	-0.04
394	100	Biased	1.43	1.38	-0.05
395	100	Biased	1.43	1.39	-0.04
412	100	Unbiased	1.42	1.35	-0.07
413	100	Unbiased	1.41	1.34	-0.07
414	100	Unbiased	1.44	1.36	-0.08
415	100	Unbiased	1.42	1.35	-0.07
416	100	Unbiased	1.42	1.35	-0.07
417	50	Biased	1.43	1.41	-0.02
418	50	Biased	1.44	1.42	-0.02
419	50	Biased	1.42	1.4	-0.02
421	50	Biased	1.42	1.4	-0.02
422	50	Biased	1.42	1.4	-0.02
423	50	Unbiased	1.42	1.38	-0.04
424	50	Unbiased	1.41	1.37	-0.04
425	50	Unbiased	1.43	1.39	-0.04
426	50	Unbiased	1.42	1.38	-0.04
427	50	Unbiased	1.43	1.39	-0.04
463	0	Corr	1.43	1.43	0
464	0	Corr	1.42	1.42	0
465	0	Corr	1.44	1.45	0.01
466	30	Biased	1.43	1.41	-0.02
469	30	Biased	1.41	1.4	-0.01
470	30	Biased	1.43	1.41	-0.02
472	30	Biased	1.43	1.41	-0.02
474	30	Biased	1.43	1.42	-0.01
475	30	Unbiased	1.44	1.41	-0.03
477	30	Unbiased	1.44	1.42	-0.02
478	30	Unbiased	1.44	1.42	-0.02
479	30	Unbiased	1.43	1.41	-0.02
480	30	Unbiased	1.42	1.4	-0.02
481	10	Biased	1.44	1.44	0
482	10	Biased	1.44	1.43	-0.01
483	10	Biased	1.41	1.41	0
484	10	Biased	1.43	1.43	0
485	10	Biased	1.43	1.43	0
487	10	Unbiased	1.43	1.43	0
488	10	Unbiased	1.42	1.41	-0.01
489	10	Unbiased	1.43	1.43	0
490	10	Unbiased	1.41	1.41	0
491	10	Unbiased	1.42	1.41	-0.01
492	3	Biased	1.44	1.43	-0.01
493	3	Biased	1.41	1.41	0
494	3	Biased	1.43	1.43	0
495	3	Biased	1.42	1.42	0
496	3	Biased	1.43	1.43	0
497	3	Unbiased	1.44	1.44	0
498	3	Unbiased	1.43	1.43	0
499	3	Unbiased	1.44	1.44	0
500	3	Unbiased	1.44	1.43	-0.01
502	3	Unbiased	1.42	1.41	-0.01

Test Statistics (V)

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	1.42	1.43	1.44	0.01	1.42	1.4333	1.45	0.015275	0	0.0033333	0.01	0.0057735
3	1.41	1.43	1.44	0.010541	1.41	1.427	1.44	0.010593	-0.01	-0.003	0	0.0048305
10	1.41	1.426	1.44	0.01075	1.41	1.423	1.44	0.011595	-0.01	-0.003	0	0.0048305
30	1.41	1.43	1.44	0.0094281	1.4	1.411	1.42	0.0073786	-0.03	-0.019	-0.01	0.0056765
50	1.41	1.424	1.44	0.0084327	1.37	1.394	1.42	0.015055	-0.04	-0.03	-0.02	0.010541
100	1.41	1.424	1.44	0.0084327	1.34	1.367	1.39	0.018886	-0.08	-0.057	-0.04	0.016364

Device Test: 24.85 SYNC1_VIL(THRESHOLD|FALL/SYNC1/12//OPEN//@SYNC1_VIL)





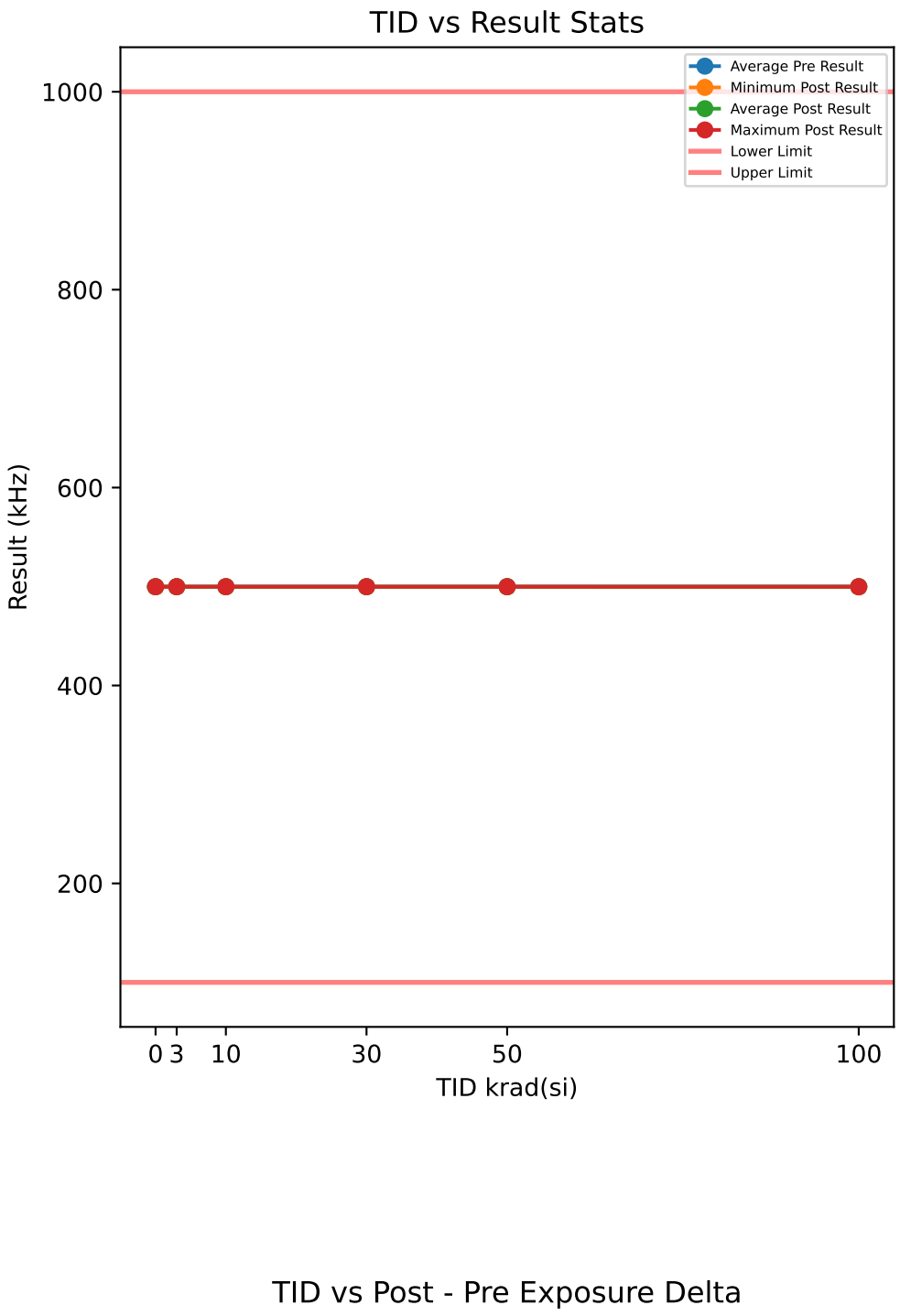
Test Results (Lower Limit = 0.7 (V))

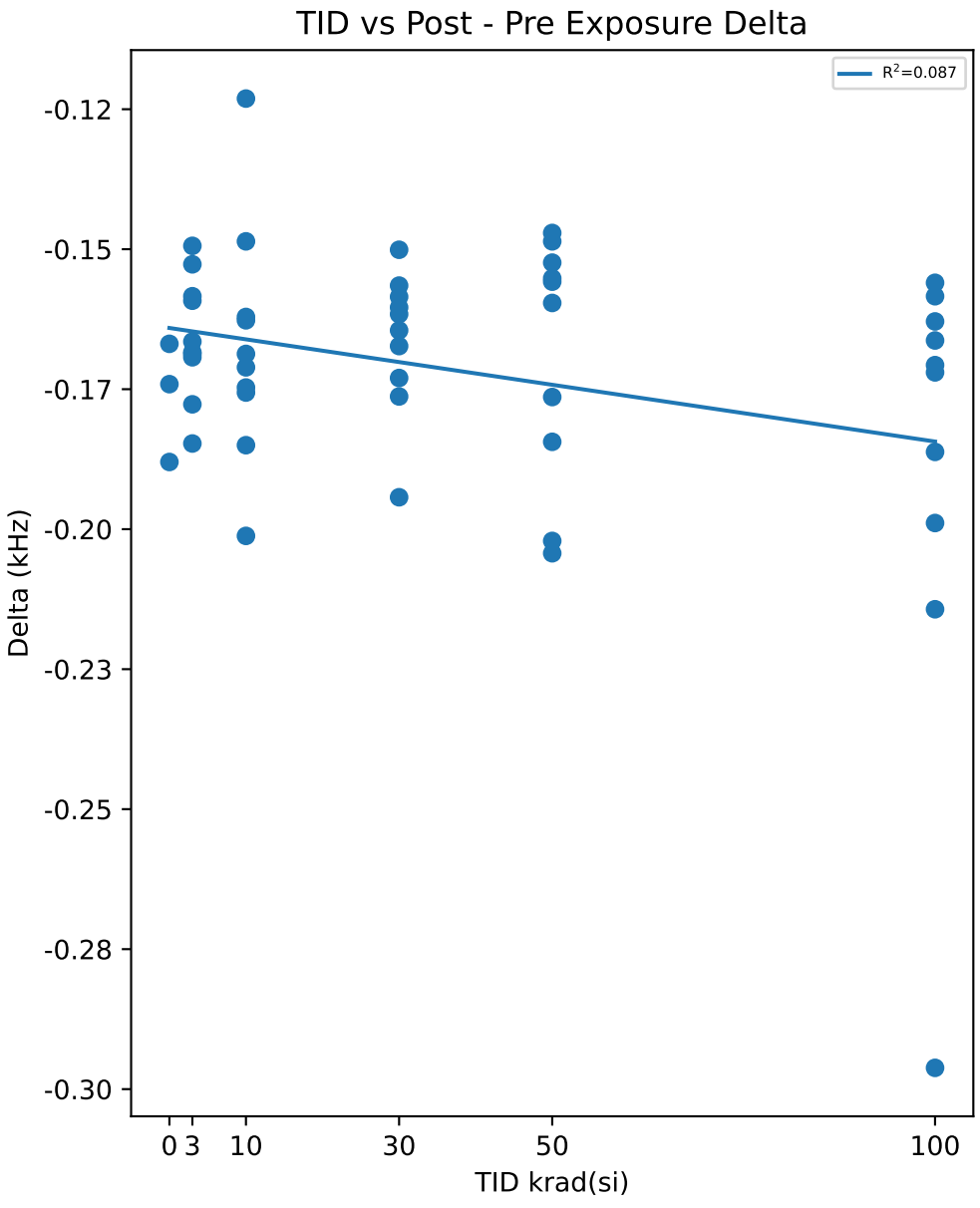
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
390	100	Biased	1.12	1.09	-0.03
392	100	Biased	1.12	1.08	-0.04
393	100	Biased	1.14	1.1	-0.04
394	100	Biased	1.13	1.1	-0.03
395	100	Biased	1.14	1.11	-0.03
412	100	Unbiased	1.12	1.06	-0.06
413	100	Unbiased	1.13	1.06	-0.07
414	100	Unbiased	1.14	1.07	-0.07
415	100	Unbiased	1.12	1.05	-0.07
416	100	Unbiased	1.13	1.07	-0.06
417	50	Biased	1.13	1.11	-0.02
418	50	Biased	1.15	1.13	-0.02
419	50	Biased	1.12	1.1	-0.02
421	50	Biased	1.13	1.11	-0.02
422	50	Biased	1.12	1.11	-0.01
423	50	Unbiased	1.12	1.08	-0.04
424	50	Unbiased	1.13	1.09	-0.04
425	50	Unbiased	1.13	1.1	-0.03
426	50	Unbiased	1.12	1.08	-0.04
427	50	Unbiased	1.14	1.1	-0.04
463	0	Corr	1.14	1.14	0
464	0	Corr	1.12	1.12	0
465	0	Corr	1.14	1.14	0
466	30	Biased	1.13	1.12	-0.01
469	30	Biased	1.12	1.11	-0.01
470	30	Biased	1.13	1.12	-0.01
472	30	Biased	1.13	1.12	-0.01
474	30	Biased	1.13	1.12	-0.01
475	30	Unbiased	1.14	1.12	-0.02
477	30	Unbiased	1.14	1.12	-0.02
478	30	Unbiased	1.14	1.12	-0.02
479	30	Unbiased	1.14	1.12	-0.02
480	30	Unbiased	1.13	1.1	-0.03
481	10	Biased	1.14	1.14	0
482	10	Biased	1.14	1.14	0
483	10	Biased	1.13	1.12	-0.01
484	10	Biased	1.13	1.13	0
485	10	Biased	1.14	1.13	-0.01
487	10	Unbiased	1.13	1.12	-0.01
488	10	Unbiased	1.12	1.11	-0.01
489	10	Unbiased	1.14	1.13	-0.01
490	10	Unbiased	1.12	1.11	-0.01
491	10	Unbiased	1.13	1.12	-0.01
492	3	Biased	1.14	1.14	0
493	3	Biased	1.12	1.12	0
494	3	Biased	1.14	1.14	0
495	3	Biased	1.13	1.13	0
496	3	Biased	1.12	1.12	0
497	3	Unbiased	1.14	1.14	0
498	3	Unbiased	1.14	1.13	-0.01
499	3	Unbiased	1.14	1.14	0
500	3	Unbiased	1.14	1.14	0
502	3	Unbiased	1.13	1.13	0

Test Statistics (V)

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	1.12	1.1333	1.14	0.011547	1.12	1.1333	1.14	0.011547	0	0	0	0
3	1.12	1.134	1.14	0.0084327	1.12	1.133	1.14	0.0082327	-0.01	-0.001	0	0.0031623
10	1.12	1.132	1.14	0.0078881	1.11	1.125	1.14	0.010801	-0.01	-0.007	0	0.0048305
30	1.12	1.133	1.14	0.0067495	1.1	1.117	1.12	0.0067495	-0.03	-0.016	-0.01	0.0069921
50	1.12	1.129	1.15	0.0099443	1.08	1.101	1.13	0.015239	-0.04	-0.028	-0.01	0.011353
100	1.12	1.129	1.14	0.008756	1.05	1.079	1.11	0.020248	-0.07	-0.05	-0.03	0.017638

Device Test: 24.88 SYNC_FREQ_RANGE(FREQ|500kHz/SYNC1/12//OPEN//@SYNC_FREQ_RANGE)





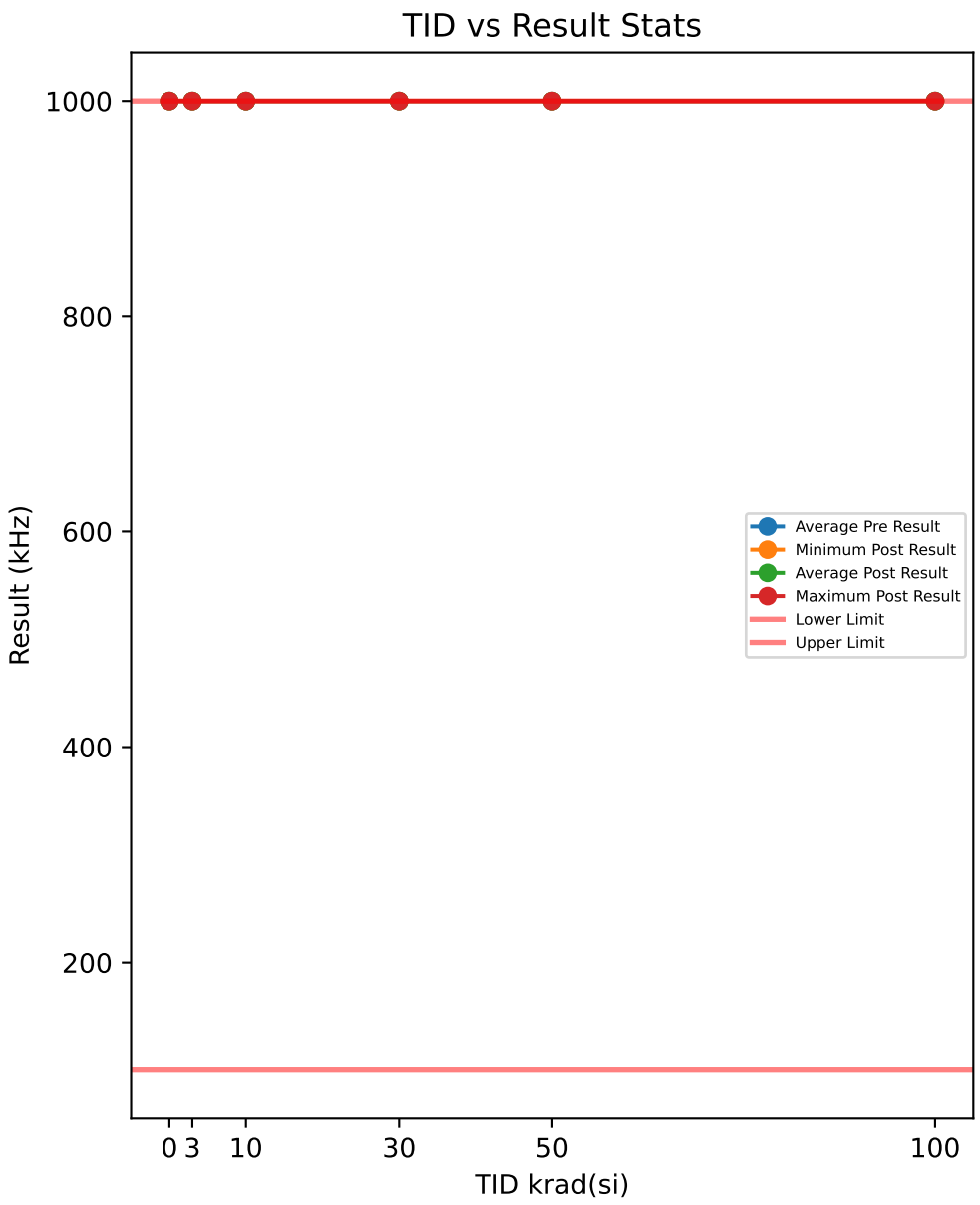
Test Results (Lower Limit = 100.0, Upper Limit = 1000.0 (kHz))

Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
390	100	Biased	499.97	499.81	-0.1584
392	100	Biased	499.95	499.77	-0.1862
393	100	Biased	499.94	499.64	-0.2962
394	100	Biased	499.94	499.73	-0.2143
395	100	Biased	499.96	499.8	-0.156
412	100	Unbiased	499.97	499.81	-0.1663
413	100	Unbiased	499.97	499.8	-0.1707
414	100	Unbiased	499.95	499.79	-0.1629
415	100	Unbiased	499.98	499.78	-0.1989
416	100	Unbiased	499.96	499.79	-0.172
417	50	Biased	499.95	499.8	-0.1471
418	50	Biased	499.99	499.79	-0.2021
419	50	Biased	499.95	499.79	-0.1558
421	50	Biased	499.97	499.79	-0.1764
422	50	Biased	499.96	499.8	-0.1596
423	50	Unbiased	499.95	499.79	-0.1552
424	50	Unbiased	499.95	499.8	-0.1486
425	50	Unbiased	499.97	499.79	-0.1844
426	50	Unbiased	499.95	499.8	-0.1524
427	50	Unbiased	500	499.8	-0.2043
463	0	Corr	499.98	499.79	-0.188
464	0	Corr	499.97	499.8	-0.1741
465	0	Corr	499.95	499.78	-0.1669
466	30	Biased	499.98	499.79	-0.1943
469	30	Biased	499.95	499.79	-0.1645
470	30	Biased	499.96	499.8	-0.1585
472	30	Biased	499.95	499.8	-0.1565
474	30	Biased	499.97	499.8	-0.1673
475	30	Unbiased	499.98	499.8	-0.1763
477	30	Unbiased	499.96	499.8	-0.1616
478	30	Unbiased	499.97	499.8	-0.173
479	30	Unbiased	499.96	499.8	-0.1604
480	30	Unbiased	499.95	499.8	-0.1501
481	10	Biased	499.96	499.79	-0.1747
482	10	Biased	499.94	499.79	-0.1486
483	10	Biased	499.98	499.8	-0.185
484	10	Biased	499.99	499.78	-0.2012
485	10	Biased	499.95	499.78	-0.1711
487	10	Unbiased	499.93	499.81	-0.1231
488	10	Unbiased	499.96	499.8	-0.1621
489	10	Unbiased	499.95	499.77	-0.1756
490	10	Unbiased	499.98	499.81	-0.1627
491	10	Unbiased	499.97	499.8	-0.1687
492	3	Biased	499.97	499.79	-0.1777
493	3	Biased	499.97	499.8	-0.1693
494	3	Biased	499.97	499.79	-0.1847
495	3	Biased	499.97	499.82	-0.1527
496	3	Biased	499.97	499.8	-0.1687
497	3	Unbiased	499.97	499.81	-0.1584
498	3	Unbiased	499.94	499.78	-0.1665
499	3	Unbiased	499.96	499.79	-0.1684
500	3	Unbiased	499.95	499.79	-0.1592
502	3	Unbiased	499.96	499.81	-0.1494

Test Statistics (kHz)

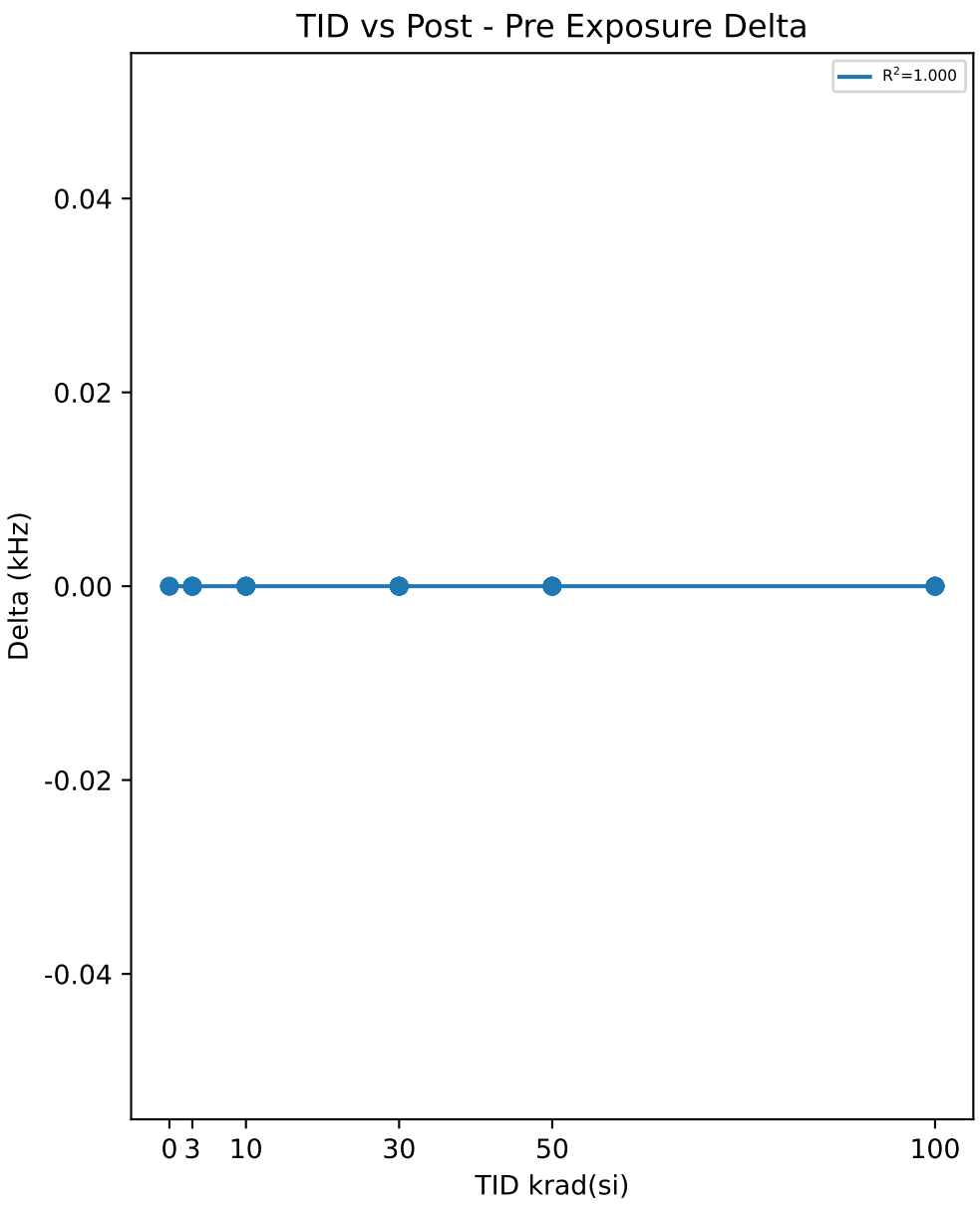
krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	499.95	499.97	499.98	0.016187	499.78	499.79	499.8	0.0092536	-0.188	-0.17633	-0.1669	0.010726
3	499.94	499.96	499.97	0.0098112	499.78	499.8	499.82	0.012201	-0.1847	-0.1655	-0.1494	0.010877
10	499.93	499.96	499.99	0.017714	499.77	499.79	499.81	0.012178	-0.2012	-0.16728	-0.1231	0.02096
30	499.95	499.96	499.98	0.011387	499.79	499.8	499.8	0.0047952	-0.1943	-0.16625	-0.1501	0.012514
50	499.95	499.96	500	0.019505	499.79	499.8	499.8	0.0056373	-0.2043	-0.16859	-0.1471	0.021747
100	499.94	499.96	499.98	0.013673	499.64	499.77	499.81	0.051059	-0.2962	-0.18819	-0.156	0.042265

Device Test: 24.89 SYNC_FREQ_RANGE(FREQ|1000kHz/SYNC1/12//OPEN//@SYNC_FREQ_RANGE)



Test Results (Lower Limit = 100.0, Upper Limit = 1000.0 (kHz))

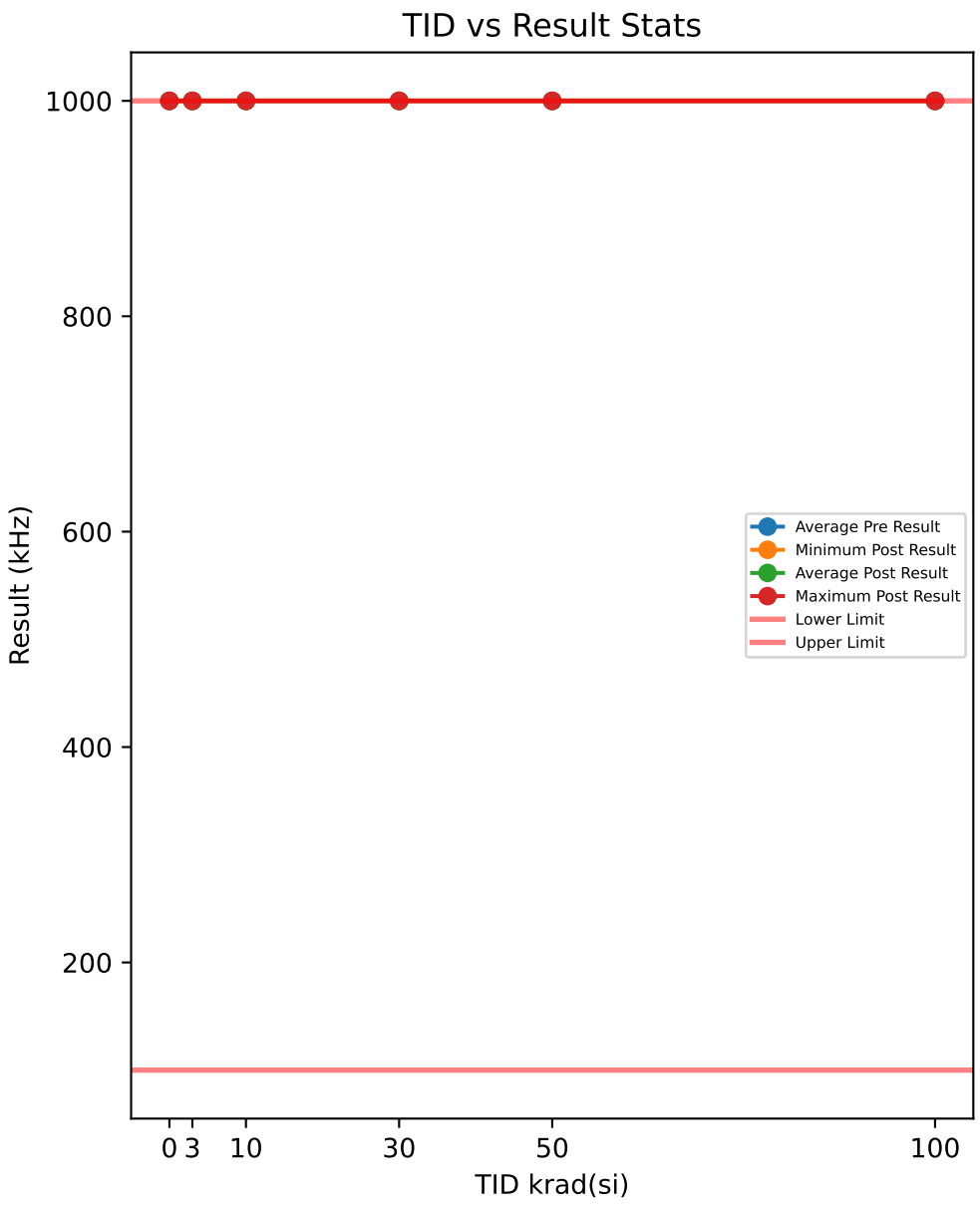
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
390	100	Biased	1000	1000	0
392	100	Biased	1000	1000	0
393	100	Biased	1000	1000	0
394	100	Biased	1000	1000	0
395	100	Biased	1000	1000	0
412	100	Unbiased	1000	1000	0
413	100	Unbiased	1000	1000	0
414	100	Unbiased	1000	1000	0
415	100	Unbiased	1000	1000	0
416	100	Unbiased	1000	1000	0
417	50	Biased	1000	1000	0
418	50	Biased	1000	1000	0
419	50	Biased	1000	1000	0
421	50	Biased	1000	1000	0
422	50	Biased	1000	1000	0
423	50	Unbiased	1000	1000	0
424	50	Unbiased	1000	1000	0
425	50	Unbiased	1000	1000	0
426	50	Unbiased	1000	1000	0
427	50	Unbiased	1000	1000	0
463	0	Corr	1000	1000	0
464	0	Corr	1000	1000	0
465	0	Corr	1000	1000	0
466	30	Biased	1000	1000	0
469	30	Biased	1000	1000	0
470	30	Biased	1000	1000	0
472	30	Biased	1000	1000	0
474	30	Biased	1000	1000	0
475	30	Unbiased	1000	1000	0
477	30	Unbiased	1000	1000	0
478	30	Unbiased	1000	1000	0
479	30	Unbiased	1000	1000	0
480	30	Unbiased	1000	1000	0
481	10	Biased	1000	1000	0
482	10	Biased	1000	1000	0
483	10	Biased	1000	1000	0
484	10	Biased	1000	1000	0
485	10	Biased	1000	1000	0
487	10	Unbiased	1000	1000	0
488	10	Unbiased	1000	1000	0
489	10	Unbiased	1000	1000	0
490	10	Unbiased	1000	1000	0
491	10	Unbiased	1000	1000	0
492	3	Biased	1000	1000	0
493	3	Biased	1000	1000	0
494	3	Biased	1000	1000	0
495	3	Biased	1000	1000	0
496	3	Biased	1000	1000	0
497	3	Unbiased	1000	1000	0
498	3	Unbiased	1000	1000	0
499	3	Unbiased	1000	1000	0
500	3	Unbiased	1000	1000	0
502	3	Unbiased	1000	1000	0

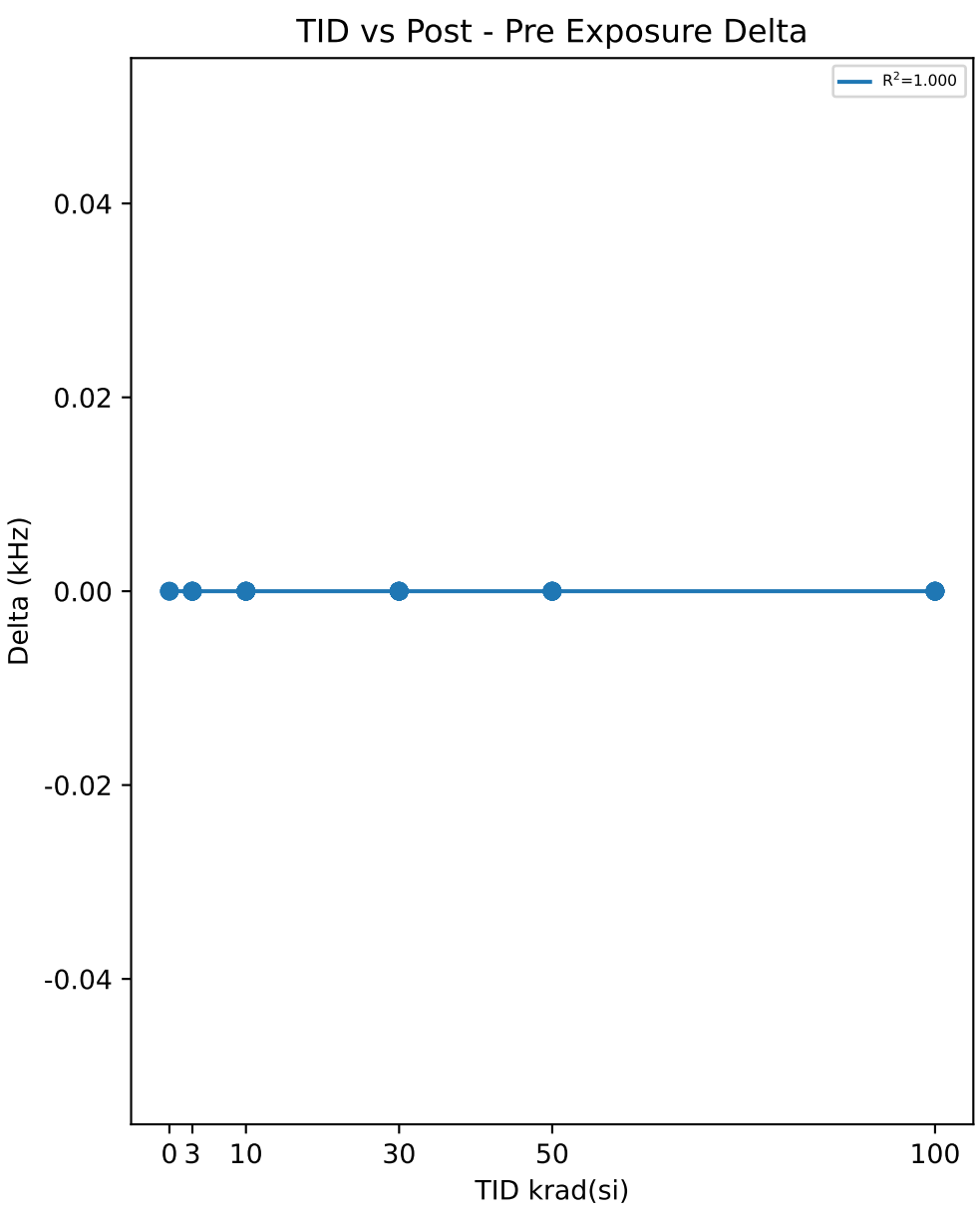


Test Statistics (kHz)

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	1000	1000	1000	0	1000	1000	1000	0	0	0	0	0
3	1000	1000	1000	0	1000	1000	1000	0	0	0	0	0
10	1000	1000	1000	0	1000	1000	1000	0	0	0	0	0
30	1000	1000	1000	0	1000	1000	1000	0	0	0	0	0
50	1000	1000	1000	0	1000	1000	1000	0	0	0	0	0
100	1000	1000	1000	0	1000	1000	1000	0	0	0	0	0

Device Test: 24.9 SYNC_FREQ_RANGE(FREQ|1000kHz/SYNC1/4.5//OPEN//@SYNC_FREQ_RANGE)





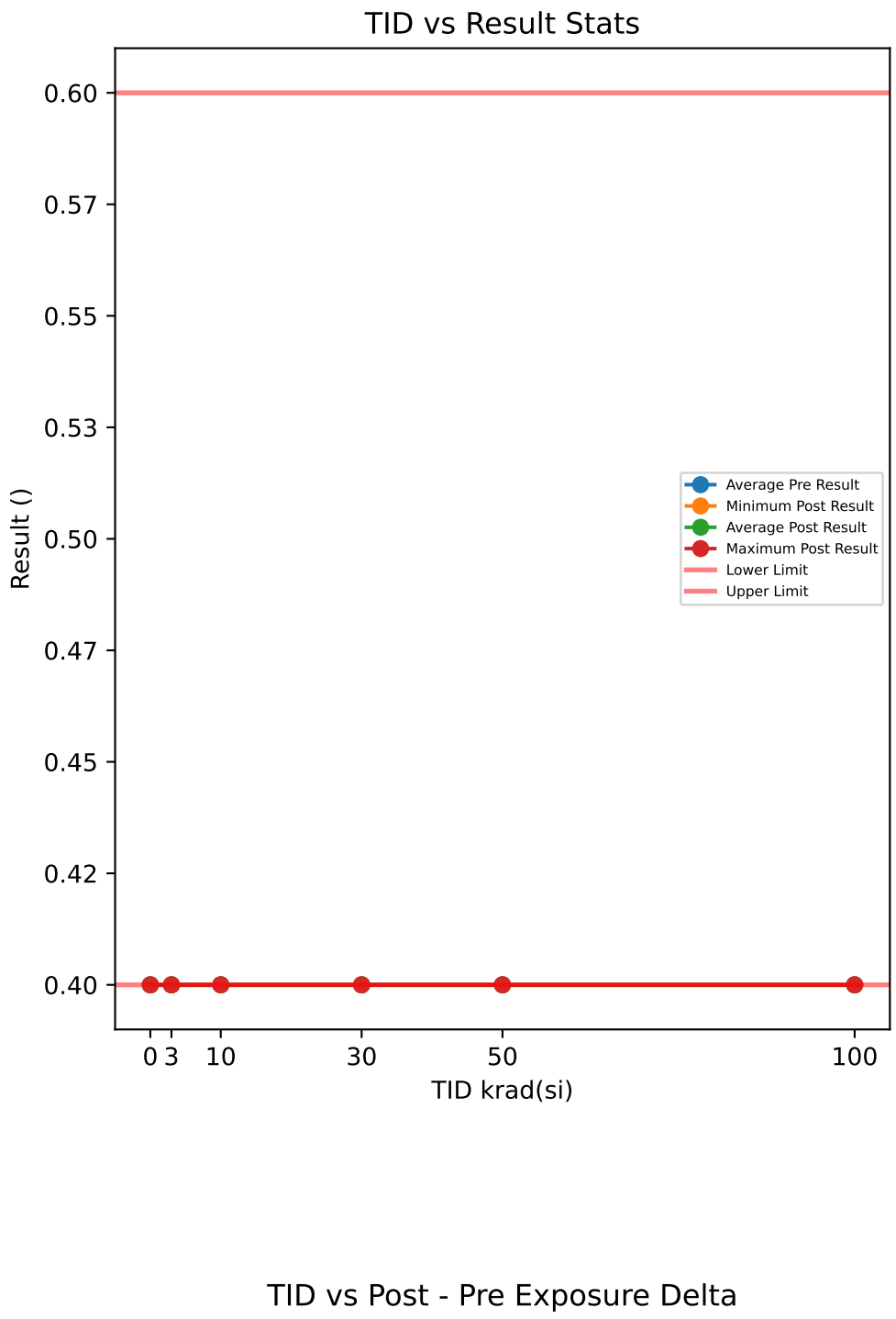
Test Results (Lower Limit = 100.0, Upper Limit = 1000.0 (kHz))

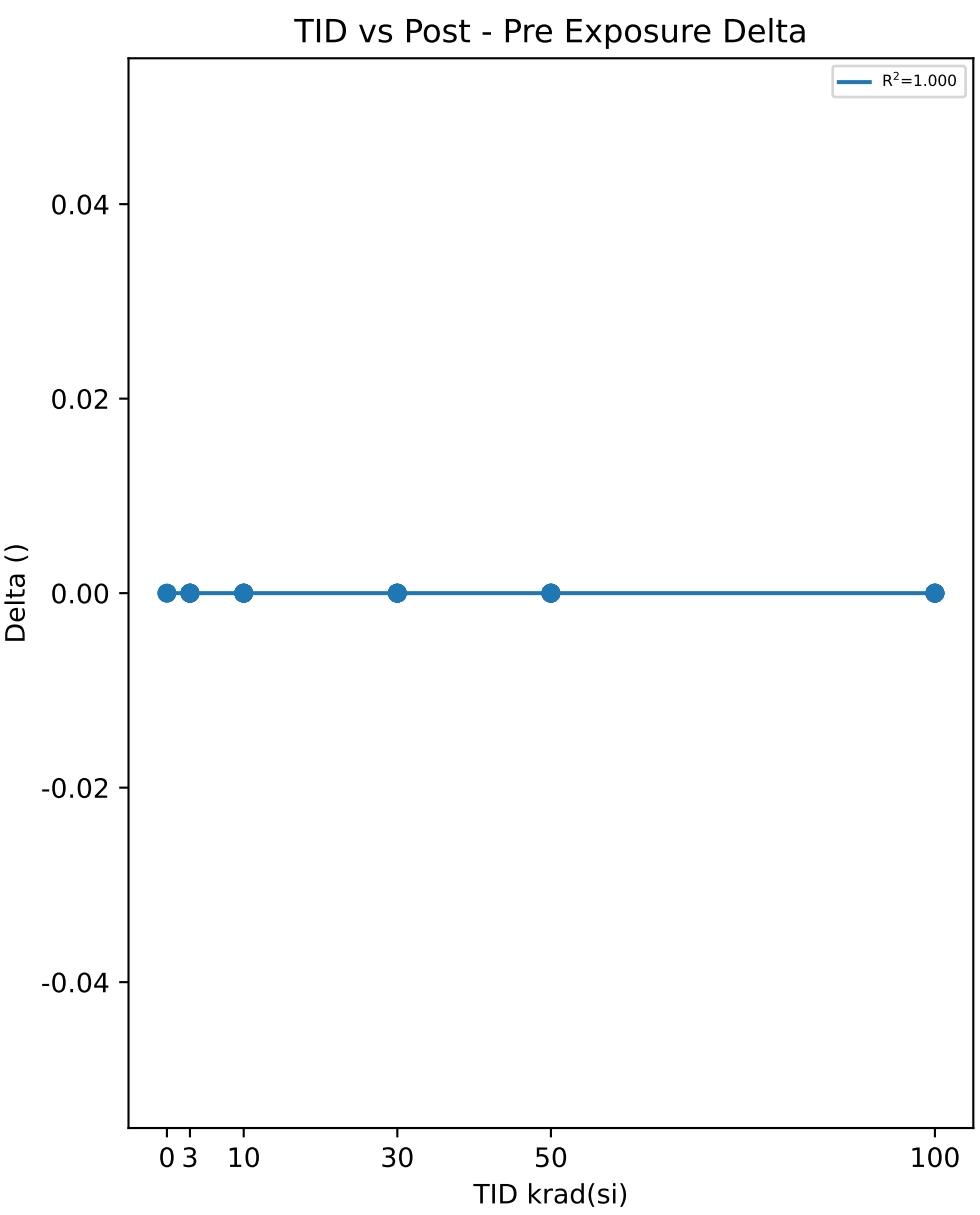
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
390	100	Biased	1000	1000	0
392	100	Biased	1000	1000	0
393	100	Biased	1000	1000	0
394	100	Biased	1000	1000	0
395	100	Biased	1000	1000	0
412	100	Unbiased	1000	1000	0
413	100	Unbiased	1000	1000	0
414	100	Unbiased	1000	1000	0
415	100	Unbiased	1000	1000	0
416	100	Unbiased	1000	1000	0
417	50	Biased	1000	1000	0
418	50	Biased	1000	1000	0
419	50	Biased	1000	1000	0
421	50	Biased	1000	1000	0
422	50	Biased	1000	1000	0
423	50	Unbiased	1000	1000	0
424	50	Unbiased	1000	1000	0
425	50	Unbiased	1000	1000	0
426	50	Unbiased	1000	1000	0
427	50	Unbiased	1000	1000	0
463	0	Corr	1000	1000	0
464	0	Corr	1000	1000	0
465	0	Corr	1000	1000	0
466	30	Biased	1000	1000	0
469	30	Biased	1000	1000	0
470	30	Biased	1000	1000	0
472	30	Biased	1000	1000	0
474	30	Biased	1000	1000	0
475	30	Unbiased	1000	1000	0
477	30	Unbiased	1000	1000	0
478	30	Unbiased	1000	1000	0
479	30	Unbiased	1000	1000	0
480	30	Unbiased	1000	1000	0
481	10	Biased	1000	1000	0
482	10	Biased	1000	1000	0
483	10	Biased	1000	1000	0
484	10	Biased	1000	1000	0
485	10	Biased	1000	1000	0
487	10	Unbiased	1000	1000	0
488	10	Unbiased	1000	1000	0
489	10	Unbiased	1000	1000	0
490	10	Unbiased	1000	1000	0
491	10	Unbiased	1000	1000	0
492	3	Biased	1000	1000	0
493	3	Biased	1000	1000	0
494	3	Biased	1000	1000	0
495	3	Biased	1000	1000	0
496	3	Biased	1000	1000	0
497	3	Unbiased	1000	1000	0
498	3	Unbiased	1000	1000	0
499	3	Unbiased	1000	1000	0
500	3	Unbiased	1000	1000	0
502	3	Unbiased	1000	1000	0

Test Statistics (kHz)

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	1000	1000	1000	0	1000	1000	1000	0	0	0	0	0
3	1000	1000	1000	0	1000	1000	1000	0	0	0	0	0
10	1000	1000	1000	0	1000	1000	1000	0	0	0	0	0
30	1000	1000	1000	0	1000	1000	1000	0	0	0	0	0
50	1000	1000	1000	0	1000	1000	1000	0	0	0	0	0
100	1000	1000	1000	0	1000	1000	1000	0	0	0	0	0

ce Test: 24.90 SYNC_IN_DUTY_CYCLE_RANGE(UTYCYCLE|GNG_40%/SYNC1/12//OPEN//@SYNC_IN_DUTY_CYCLE_RAN





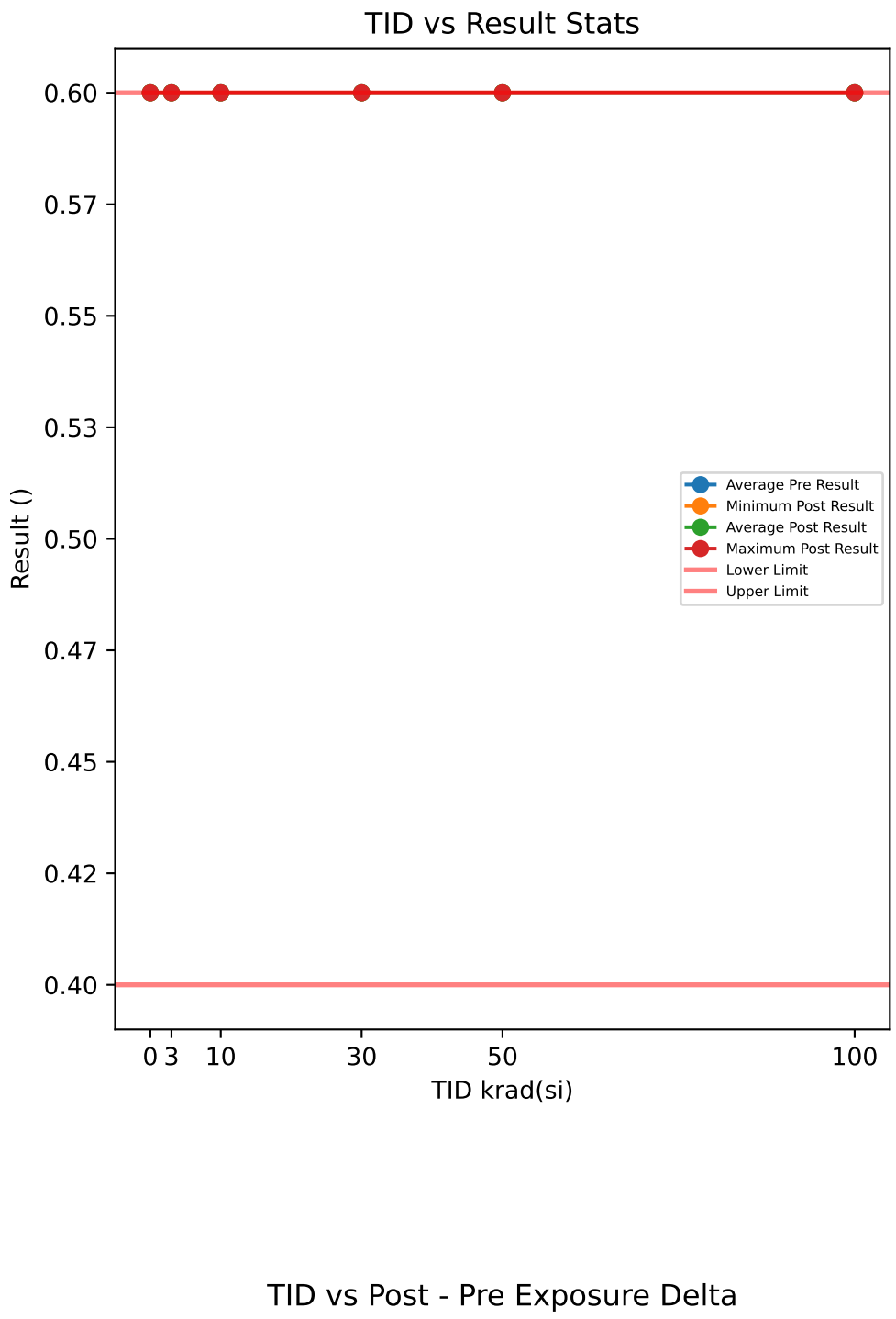
Test Results (Lower Limit = 0.4, Upper Limit = 0.6 ())

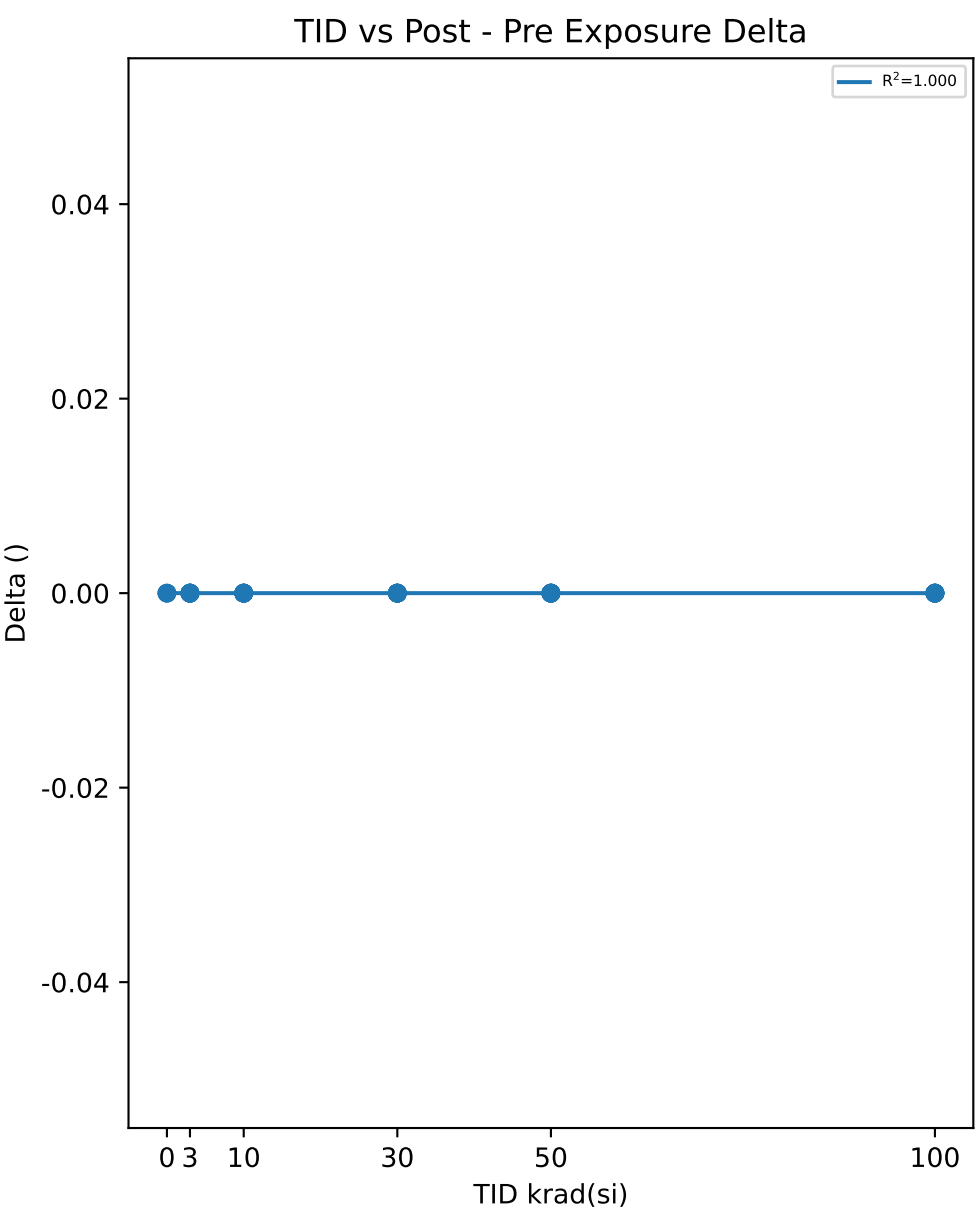
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
390	100	Biased	0.4	0.4	0
392	100	Biased	0.4	0.4	0
393	100	Biased	0.4	0.4	0
394	100	Biased	0.4	0.4	0
395	100	Biased	0.4	0.4	0
412	100	Unbiased	0.4	0.4	0
413	100	Unbiased	0.4	0.4	0
414	100	Unbiased	0.4	0.4	0
415	100	Unbiased	0.4	0.4	0
416	100	Unbiased	0.4	0.4	0
417	50	Biased	0.4	0.4	0
418	50	Biased	0.4	0.4	0
419	50	Biased	0.4	0.4	0
421	50	Biased	0.4	0.4	0
422	50	Biased	0.4	0.4	0
423	50	Unbiased	0.4	0.4	0
424	50	Unbiased	0.4	0.4	0
425	50	Unbiased	0.4	0.4	0
426	50	Unbiased	0.4	0.4	0
427	50	Unbiased	0.4	0.4	0
463	0	Corr	0.4	0.4	0
464	0	Corr	0.4	0.4	0
465	0	Corr	0.4	0.4	0
466	30	Biased	0.4	0.4	0
469	30	Biased	0.4	0.4	0
470	30	Biased	0.4	0.4	0
472	30	Biased	0.4	0.4	0
474	30	Biased	0.4	0.4	0
475	30	Unbiased	0.4	0.4	0
477	30	Unbiased	0.4	0.4	0
478	30	Unbiased	0.4	0.4	0
479	30	Unbiased	0.4	0.4	0
480	30	Unbiased	0.4	0.4	0
481	10	Biased	0.4	0.4	0
482	10	Biased	0.4	0.4	0
483	10	Biased	0.4	0.4	0
484	10	Biased	0.4	0.4	0
485	10	Biased	0.4	0.4	0
487	10	Unbiased	0.4	0.4	0
488	10	Unbiased	0.4	0.4	0
489	10	Unbiased	0.4	0.4	0
490	10	Unbiased	0.4	0.4	0
491	10	Unbiased	0.4	0.4	0
492	3	Biased	0.4	0.4	0
493	3	Biased	0.4	0.4	0
494	3	Biased	0.4	0.4	0
495	3	Biased	0.4	0.4	0
496	3	Biased	0.4	0.4	0
497	3	Unbiased	0.4	0.4	0
498	3	Unbiased	0.4	0.4	0
499	3	Unbiased	0.4	0.4	0
500	3	Unbiased	0.4	0.4	0
502	3	Unbiased	0.4	0.4	0

Test Statistics ()

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	0.4	0.4	0.4	0	0.4	0.4	0.4	0	0	0	0	0
3	0.4	0.4	0.4	0	0.4	0.4	0.4	0	0	0	0	0
10	0.4	0.4	0.4	0	0.4	0.4	0.4	0	0	0	0	0
30	0.4	0.4	0.4	0	0.4	0.4	0.4	0	0	0	0	0
50	0.4	0.4	0.4	0	0.4	0.4	0.4	0	0	0	0	0
100	0.4	0.4	0.4	0	0.4	0.4	0.4	0	0	0	0	0

ce Test: 24.91 SYNC_IN_DUTY_CYCLE_RANGE(UTYCYCLE|GNG_60%/SYNC1/12//OPEN//@SYNC_IN_DUTY_CYCLE_RAN





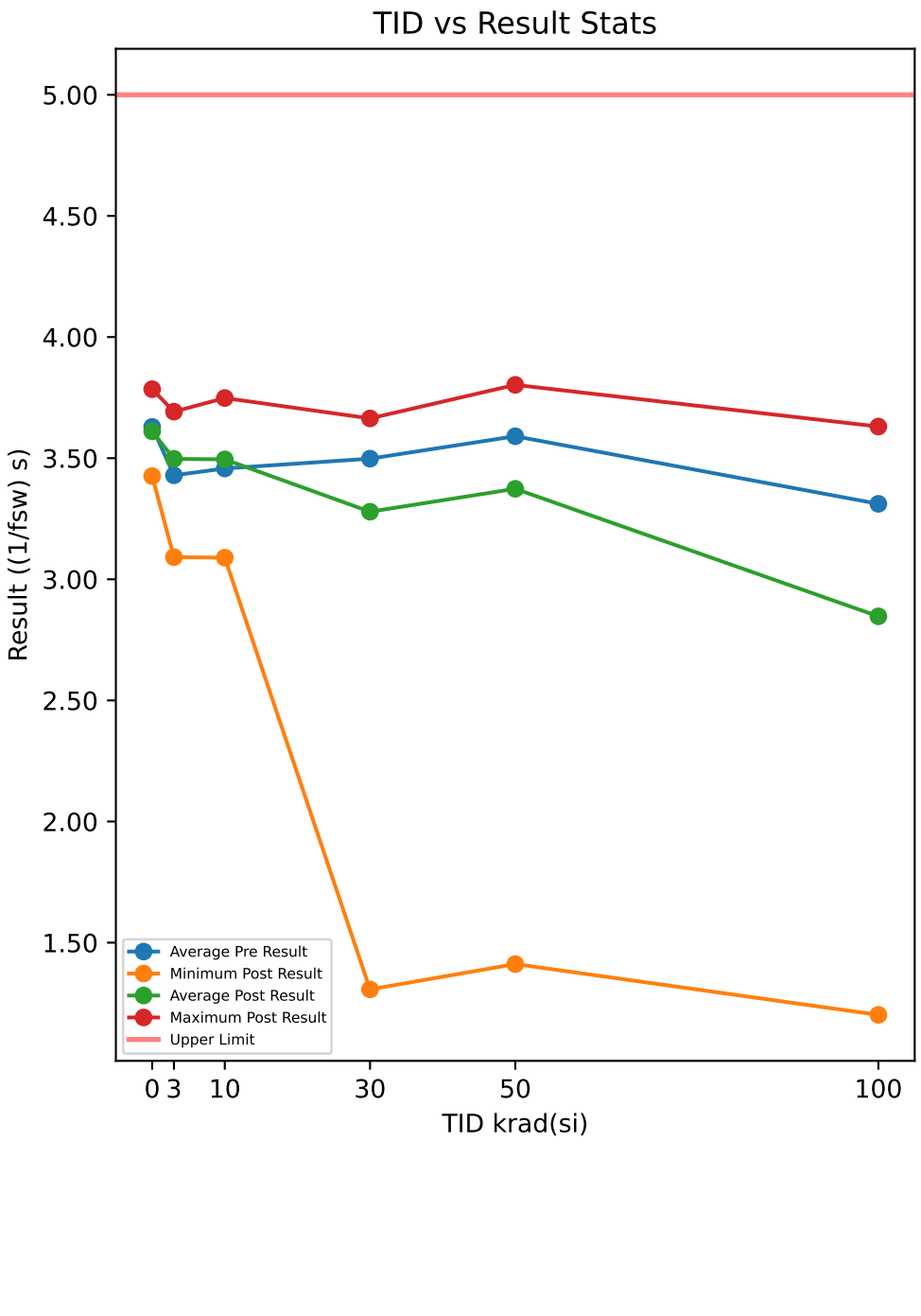
Test Results (Lower Limit = 0.4, Upper Limit = 0.6 ())

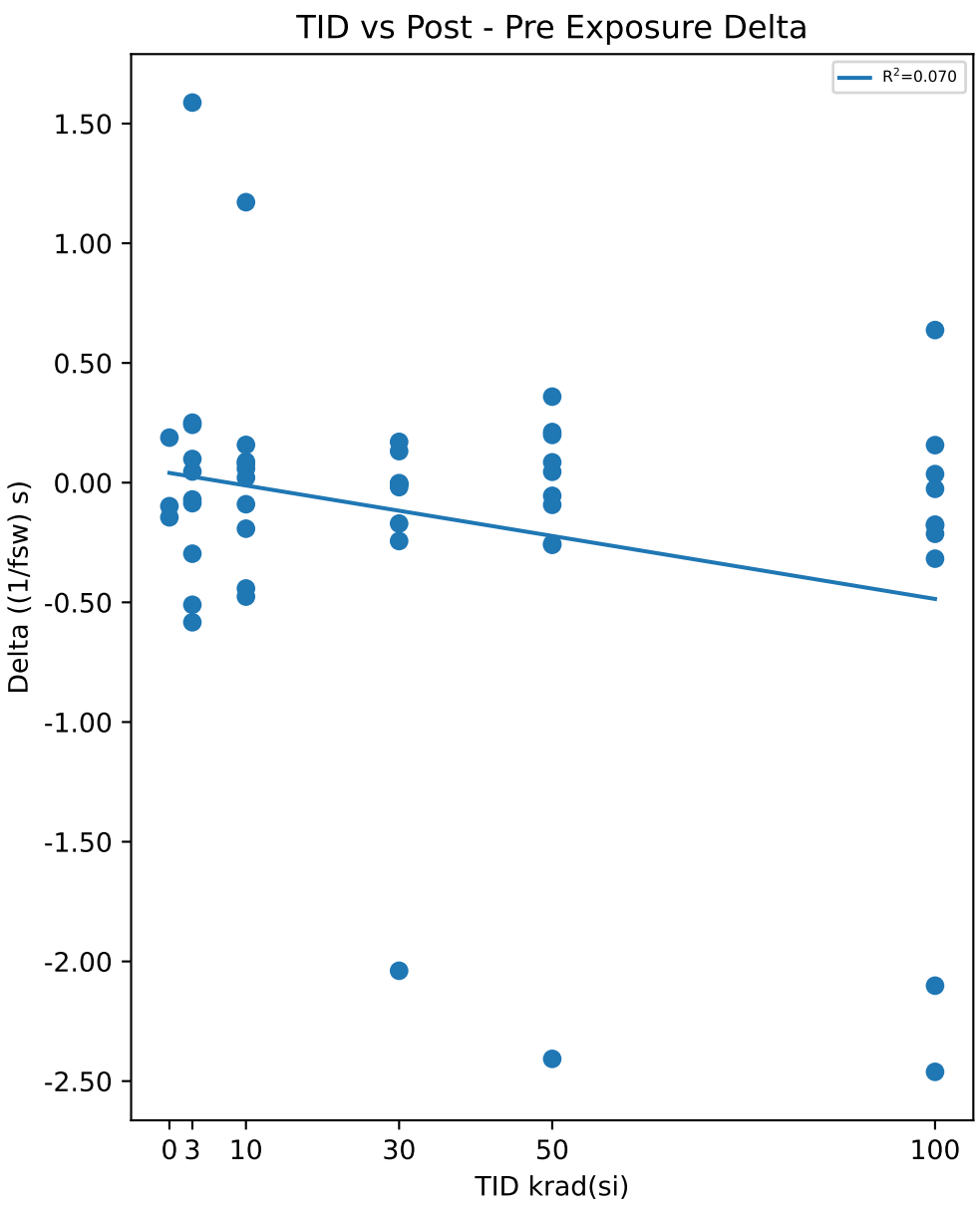
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
390	100	Biased	0.6	0.6	0
392	100	Biased	0.6	0.6	0
393	100	Biased	0.6	0.6	0
394	100	Biased	0.6	0.6	0
395	100	Biased	0.6	0.6	0
412	100	Unbiased	0.6	0.6	0
413	100	Unbiased	0.6	0.6	0
414	100	Unbiased	0.6	0.6	0
415	100	Unbiased	0.6	0.6	0
416	100	Unbiased	0.6	0.6	0
417	50	Biased	0.6	0.6	0
418	50	Biased	0.6	0.6	0
419	50	Biased	0.6	0.6	0
421	50	Biased	0.6	0.6	0
422	50	Biased	0.6	0.6	0
423	50	Unbiased	0.6	0.6	0
424	50	Unbiased	0.6	0.6	0
425	50	Unbiased	0.6	0.6	0
426	50	Unbiased	0.6	0.6	0
427	50	Unbiased	0.6	0.6	0
463	0	Corr	0.6	0.6	0
464	0	Corr	0.6	0.6	0
465	0	Corr	0.6	0.6	0
466	30	Biased	0.6	0.6	0
469	30	Biased	0.6	0.6	0
470	30	Biased	0.6	0.6	0
472	30	Biased	0.6	0.6	0
474	30	Biased	0.6	0.6	0
475	30	Unbiased	0.6	0.6	0
477	30	Unbiased	0.6	0.6	0
478	30	Unbiased	0.6	0.6	0
479	30	Unbiased	0.6	0.6	0
480	30	Unbiased	0.6	0.6	0
481	10	Biased	0.6	0.6	0
482	10	Biased	0.6	0.6	0
483	10	Biased	0.6	0.6	0
484	10	Biased	0.6	0.6	0
485	10	Biased	0.6	0.6	0
487	10	Unbiased	0.6	0.6	0
488	10	Unbiased	0.6	0.6	0
489	10	Unbiased	0.6	0.6	0
490	10	Unbiased	0.6	0.6	0
491	10	Unbiased	0.6	0.6	0
492	3	Biased	0.6	0.6	0
493	3	Biased	0.6	0.6	0
494	3	Biased	0.6	0.6	0
495	3	Biased	0.6	0.6	0
496	3	Biased	0.6	0.6	0
497	3	Unbiased	0.6	0.6	0
498	3	Unbiased	0.6	0.6	0
499	3	Unbiased	0.6	0.6	0
500	3	Unbiased	0.6	0.6	0
502	3	Unbiased	0.6	0.6	0

Test Statistics ()

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	0.6	0.6	0.6	0	0.6	0.6	0.6	0	0	0	0	0
3	0.6	0.6	0.6	0	0.6	0.6	0.6	0	0	0	0	0
10	0.6	0.6	0.6	0	0.6	0.6	0.6	0	0	0	0	0
30	0.6	0.6	0.6	0	0.6	0.6	0.6	0	0	0	0	0
50	0.6	0.6	0.6	0	0.6	0.6	0.6	0	0	0	0	0
100	0.6	0.6	0.6	0	0.6	0.6	0.6	0	0	0	0	0

Device Test: 24.92 T_CLOCK_DET(TIMING|CLKDETECT/SYNC1/12//511k//@T_CLOCK_DET)





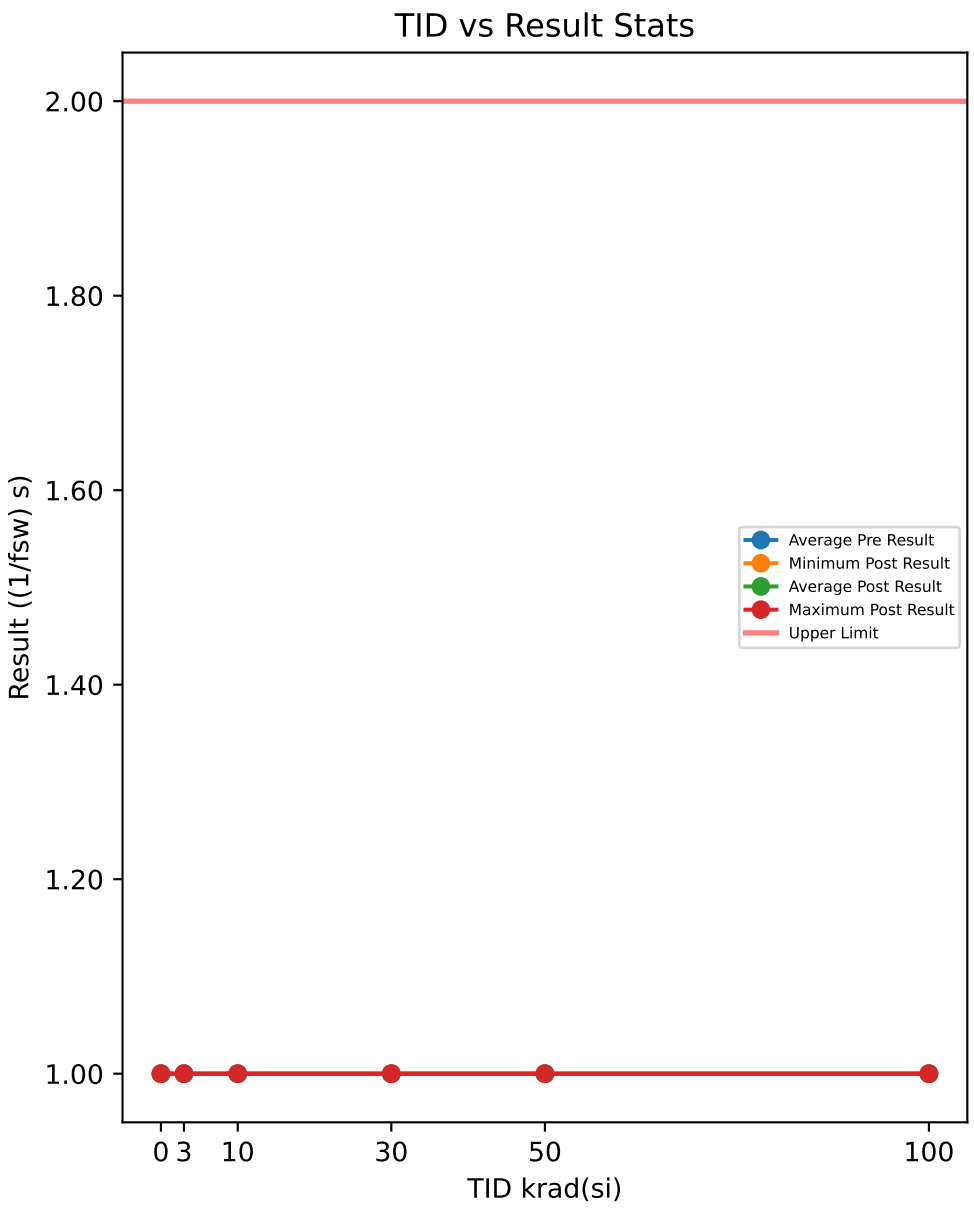
Test Results (Upper Limit = 5.0 ((1/fsw) s))

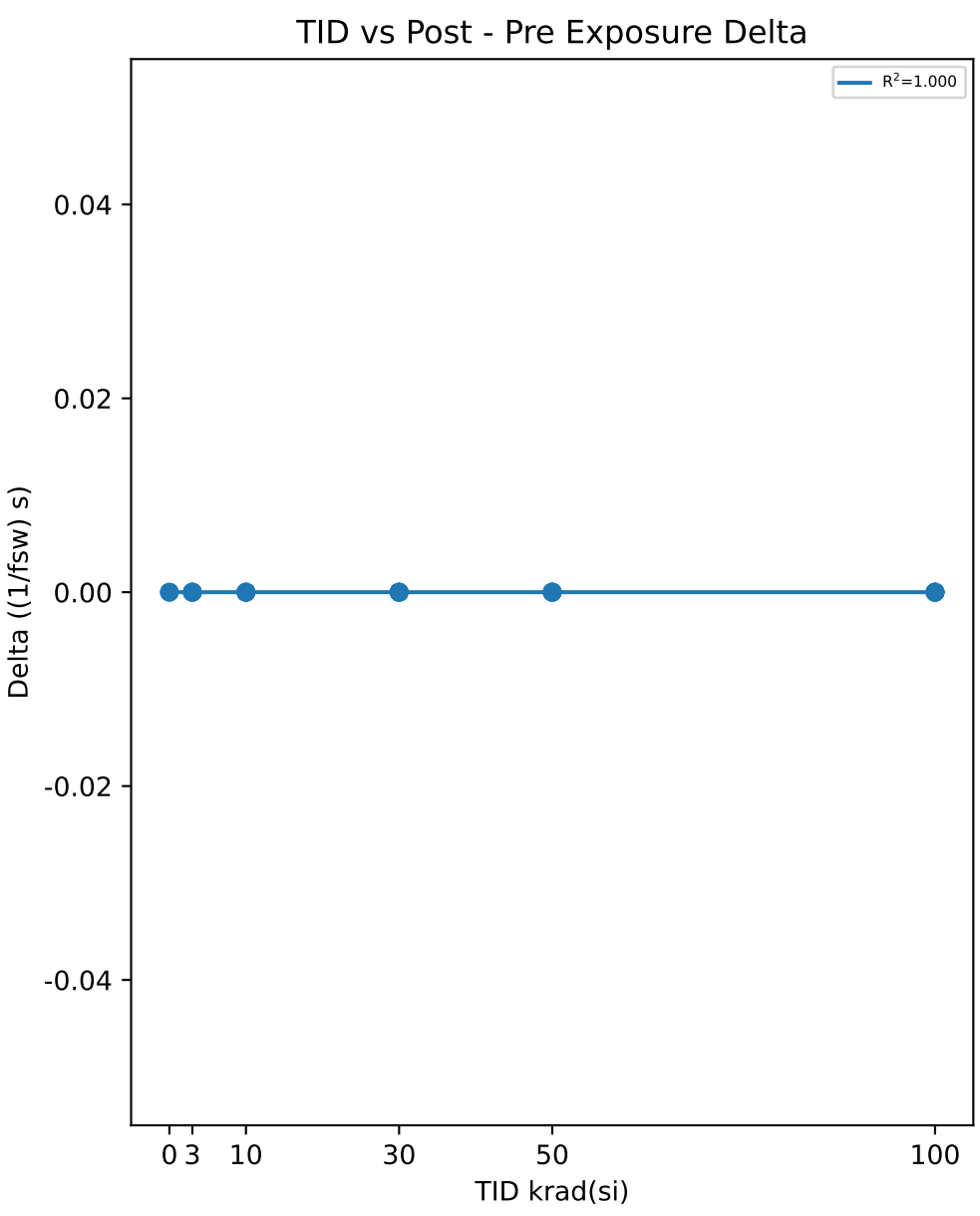
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
390	100	Biased	3.5606	3.5347	-0.0259
392	100	Biased	3.7825	3.6039	-0.1786
393	100	Biased	2.9505	3.588	0.6375
394	100	Biased	3.5992	3.4238	-0.1754
395	100	Biased	1.203	1.3597	0.1567
412	100	Unbiased	3.7173	1.256	-2.4613
413	100	Unbiased	3.3033	1.202	-2.1013
414	100	Unbiased	3.7432	3.4256	-0.3176
415	100	Unbiased	3.5947	3.6305	0.0358
416	100	Unbiased	3.6607	3.447	-0.2137
417	50	Biased	3.5496	3.6345	0.0849
418	50	Biased	3.609	3.5164	-0.0926
419	50	Biased	3.6662	3.4065	-0.2597
421	50	Biased	3.5638	3.5088	-0.055
422	50	Biased	3.4433	3.8026	0.3593
423	50	Unbiased	3.6307	3.375	-0.2557
424	50	Unbiased	3.5829	3.7823	0.1994
425	50	Unbiased	3.8187	1.4116	-2.4071
426	50	Unbiased	3.4657	3.6772	0.2115
427	50	Unbiased	3.5751	3.6204	0.0453
463	0	Corr	3.5966	3.7847	0.1881
464	0	Corr	3.7665	3.6216	-0.1449
465	0	Corr	3.5243	3.426	-0.0983
466	30	Biased	3.6242	3.617	-0.0072
469	30	Biased	3.3331	3.5035	0.1704
470	30	Biased	3.346	1.307	-2.039
472	30	Biased	3.4917	3.4856	-0.0061
474	30	Biased	3.228	3.3597	0.1317
475	30	Unbiased	3.7056	3.5347	-0.1709
477	30	Unbiased	3.5959	3.5939	-0.002
478	30	Unbiased	3.6828	3.6641	-0.0187
479	30	Unbiased	3.5433	3.5388	-0.0045
480	30	Unbiased	3.4292	3.1853	-0.2439
481	10	Biased	3.6606	3.7483	0.0877
482	10	Biased	3.3957	3.4752	0.0795
483	10	Biased	2.2751	3.4467	1.1716
484	10	Biased	3.616	3.4237	-0.1923
485	10	Biased	3.5008	3.6586	0.1578
487	10	Unbiased	3.5959	3.5058	-0.0901
488	10	Unbiased	3.6828	3.7036	0.0208
489	10	Unbiased	3.7034	3.2274	-0.476
490	10	Unbiased	3.5312	3.0891	-0.4421
491	10	Unbiased	3.6136	3.672	0.0584
492	3	Biased	3.3772	3.6188	0.2416
493	3	Biased	3.4885	3.5349	0.0464
494	3	Biased	3.6355	3.5497	-0.0858
495	3	Biased	2.034	3.6218	1.5878
496	3	Biased	3.8089	3.2987	-0.5102
497	3	Unbiased	3.7059	3.4091	-0.2968
498	3	Unbiased	3.4415	3.692	0.2505
499	3	Unbiased	3.5495	3.4792	-0.0703
500	3	Unbiased	3.5769	3.6758	0.0989
502	3	Unbiased	3.6746	3.0914	-0.5832

Test Statistics ((1/fsw) s)

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	3.5243	3.6291	3.7665	0.12433	3.426	3.6108	3.7847	0.1796	-0.1449	-0.018367	0.1881	0.18032
3	2.034	3.4293	3.8089	0.50693	3.0914	3.4971	3.692	0.18753	-0.5832	0.06789	1.5878	0.60635
10	2.2751	3.4575	3.7034	0.42561	3.0891	3.495	3.7483	0.21345	-0.476	0.03753	1.1716	0.45564
30	3.228	3.498	3.7056	0.16082	1.307	3.279	3.6641	0.70646	-2.039	-0.21902	0.1704	0.65093
50	3.4433	3.5905	3.8187	0.10524	1.4116	3.3735	3.8026	0.70407	-2.4071	-0.21697	0.3593	0.79517
100	1.203	3.3115	3.7825	0.78145	1.202	2.8471	3.6305	1.0896	-2.4613	-0.46438	0.6375	0.99772

Device Test: 24.93 T_CLOCK_DET_EXT(TIMING|CLKDETECT/SYNC1/12//511k//@T_CLOCK_DET_EXT)





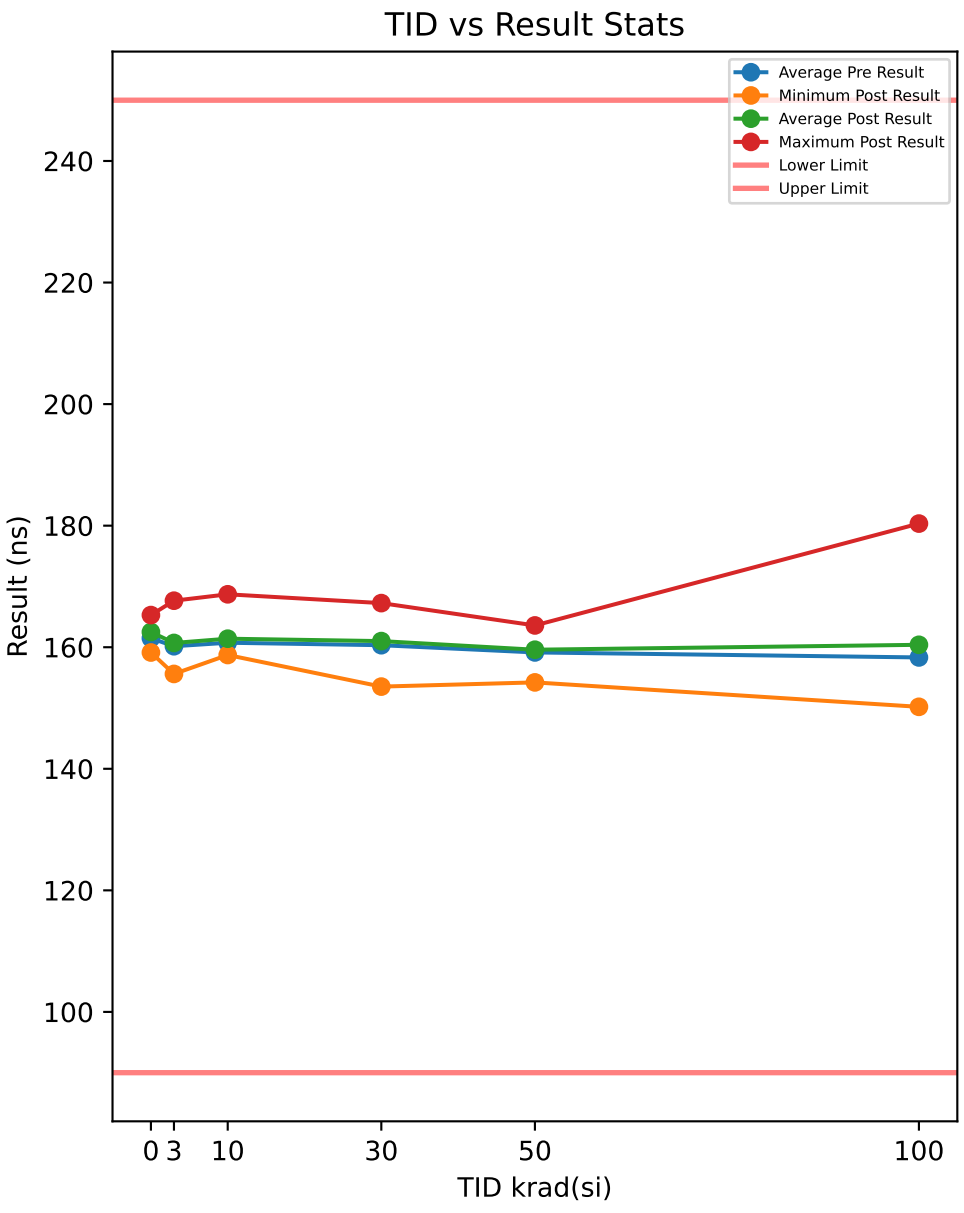
Test Results (Upper Limit = 2.0 ((1/fsw) s))

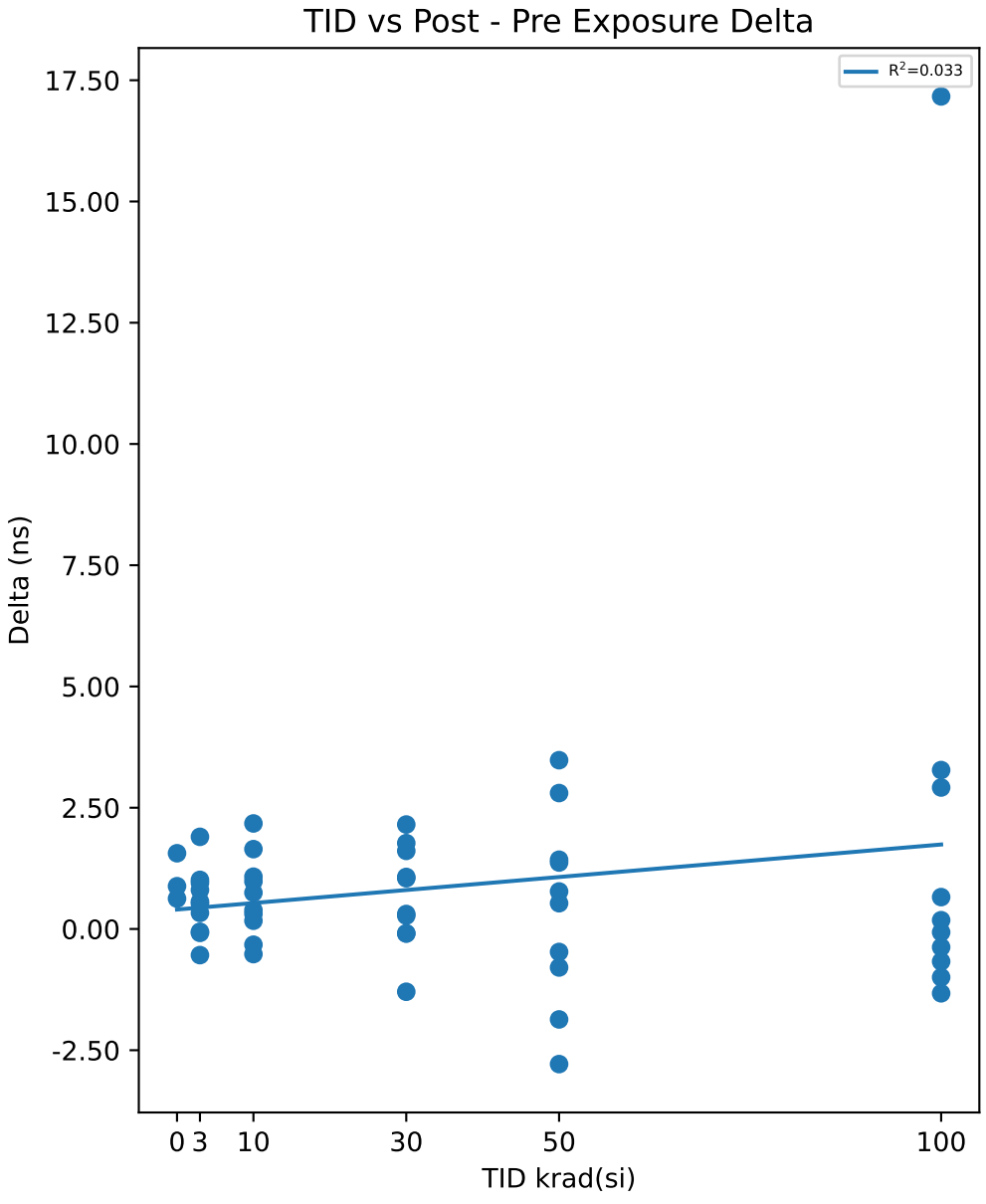
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
390	100	Biased	1	1	0
392	100	Biased	1	1	0
393	100	Biased	1	1	0
394	100	Biased	1	1	0
395	100	Biased	1	1	0
412	100	Unbiased	1	1	0
413	100	Unbiased	1	1	0
414	100	Unbiased	1	1	0
415	100	Unbiased	1	1	0
416	100	Unbiased	1	1	0
417	50	Biased	1	1	0
418	50	Biased	1	1	0
419	50	Biased	1	1	0
421	50	Biased	1	1	0
422	50	Biased	1	1	0
423	50	Unbiased	1	1	0
424	50	Unbiased	1	1	0
425	50	Unbiased	1	1	0
426	50	Unbiased	1	1	0
427	50	Unbiased	1	1	0
463	0	Corr	1	1	0
464	0	Corr	1	1	0
465	0	Corr	1	1	0
466	30	Biased	1	1	0
469	30	Biased	1	1	0
470	30	Biased	1	1	0
472	30	Biased	1	1	0
474	30	Biased	1	1	0
475	30	Unbiased	1	1	0
477	30	Unbiased	1	1	0
478	30	Unbiased	1	1	0
479	30	Unbiased	1	1	0
480	30	Unbiased	1	1	0
481	10	Biased	1	1	0
482	10	Biased	1	1	0
483	10	Biased	1	1	0
484	10	Biased	1	1	0
485	10	Biased	1	1	0
487	10	Unbiased	1	1	0
488	10	Unbiased	1	1	0
489	10	Unbiased	1	1	0
490	10	Unbiased	1	1	0
491	10	Unbiased	1	1	0
492	3	Biased	1	1	0
493	3	Biased	1	1	0
494	3	Biased	1	1	0
495	3	Biased	1	1	0
496	3	Biased	1	1	0
497	3	Unbiased	1	1	0
498	3	Unbiased	1	1	0
499	3	Unbiased	1	1	0
500	3	Unbiased	1	1	0
502	3	Unbiased	1	1	0

Test Statistics ((1/fsw) s)

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	1	1	1	0	1	1	1	0	0	0	0	0
3	1	1	1	0	1	1	1	0	0	0	0	0
10	1	1	1	0	1	1	1	0	0	0	0	0
30	1	1	1	0	1	1	1	0	0	0	0	0
50	1	1	1	0	1	1	1	0	0	0	0	0
100	1	1	1	0	1	1	1	0	0	0	0	0

Device Test: 24.96 SYNC1_SW_DELAY_OUTPUT(TIMING|DELAY/SYNC1/12//511k//@SYNC1_SW_DELAY_OUTPUT)





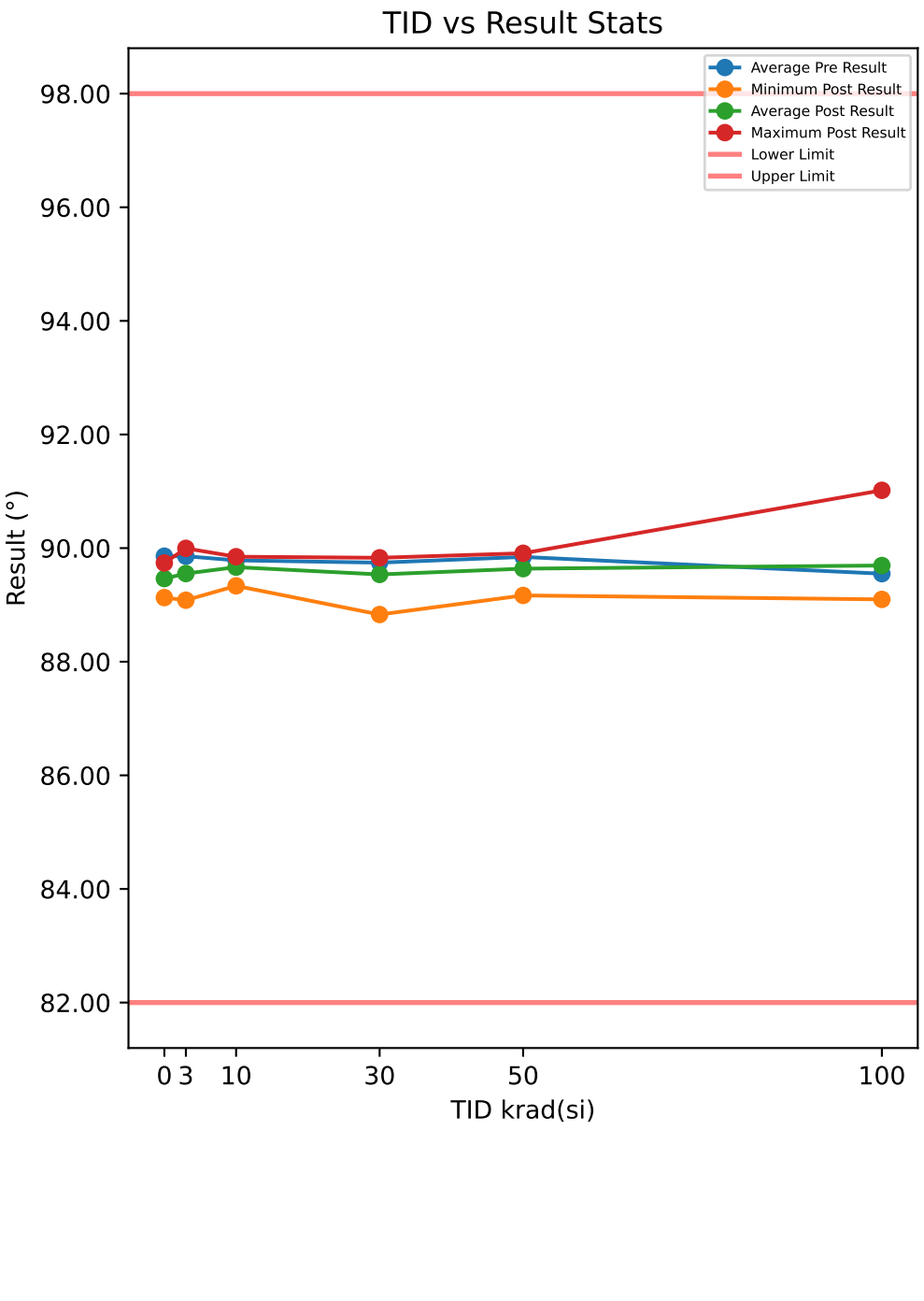
Test Results (Lower Limit = 90.0, Upper Limit = 250.0 (ns))

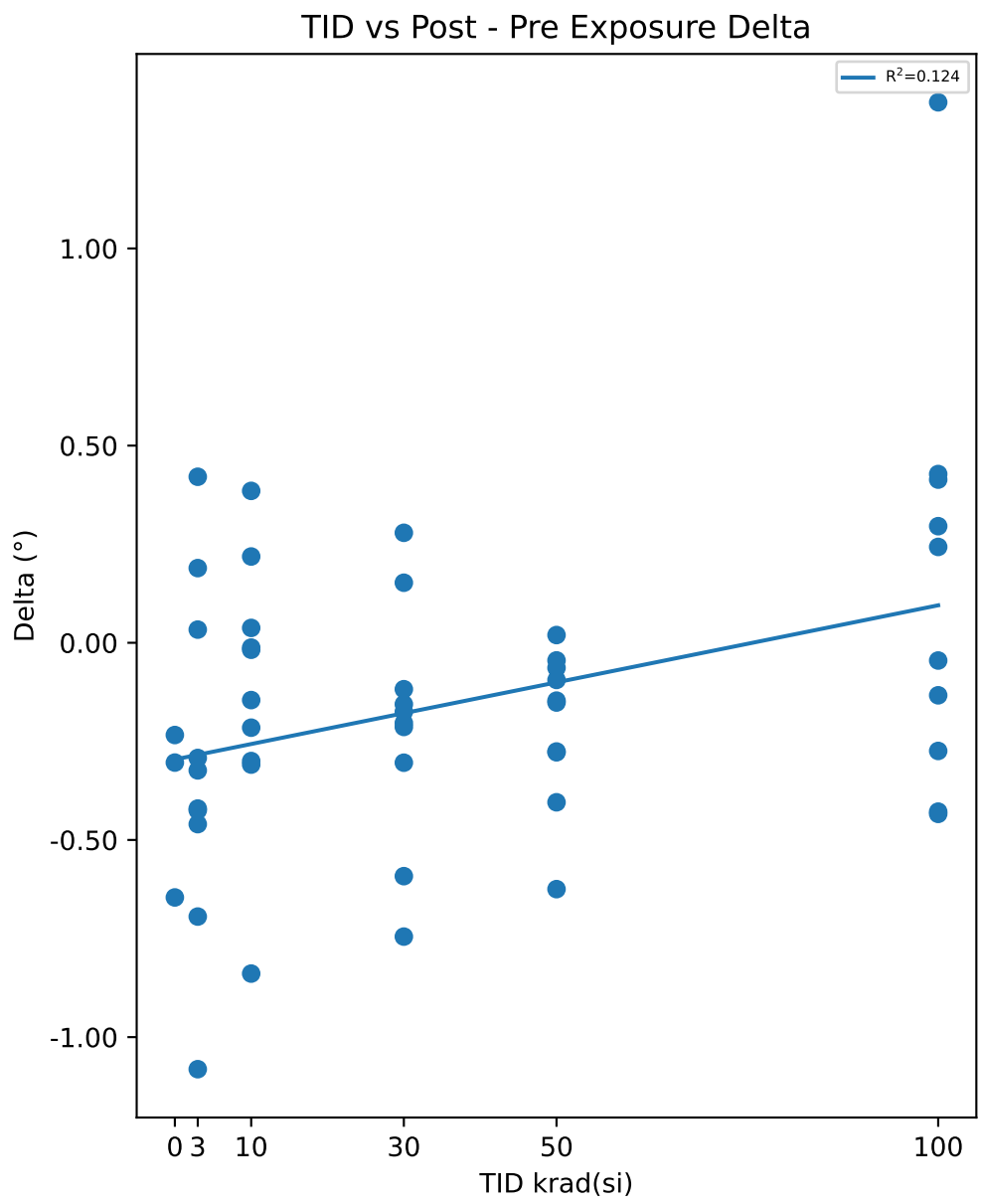
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
390	100	Biased	156.41	156.59	0.181
392	100	Biased	157.67	160.95	3.2761
393	100	Biased	155.07	154.7	-0.3757
394	100	Biased	155.71	158.63	2.9167
395	100	Biased	158.41	158.34	-0.0677
412	100	Unbiased	160.4	159.73	-0.6699
413	100	Unbiased	151.52	150.2	-1.3266
414	100	Unbiased	163.65	164.31	0.6571
415	100	Unbiased	163.18	180.34	17.166
416	100	Unbiased	161.2	160.2	-0.9965
417	50	Biased	160.78	163.58	2.8022
418	50	Biased	161.62	162.4	0.7731
419	50	Biased	156.71	156.23	-0.4741
421	50	Biased	158.84	158.04	-0.794
422	50	Biased	159.79	163.27	3.4798
423	50	Unbiased	162.61	160.74	-1.8652
424	50	Unbiased	157.39	157.92	0.5308
425	50	Unbiased	161.72	158.93	-2.7861
426	50	Unbiased	159.2	160.57	1.3699
427	50	Unbiased	152.79	154.21	1.428
463	0	Corr	157.57	159.13	1.5613
464	0	Corr	162.22	163.1	0.882
465	0	Corr	164.66	165.29	0.6266
466	30	Biased	163.92	166.07	2.1536
469	30	Biased	153.61	153.52	-0.0903
470	30	Biased	156.59	157.63	1.046
472	30	Biased	158.78	158.68	-0.0945
474	30	Biased	162.03	162.31	0.2746
475	30	Unbiased	163.71	164.78	1.0726
477	30	Unbiased	166.95	167.26	0.3088
478	30	Unbiased	155.54	157.31	1.7698
479	30	Unbiased	160.7	159.41	-1.2946
480	30	Unbiased	161.51	163.12	1.6101
481	10	Biased	164.25	164.56	0.3112
482	10	Biased	159.94	161.59	1.646
483	10	Biased	158.55	158.72	0.1695
484	10	Biased	159.36	160.44	1.0783
485	10	Biased	157.21	159.38	2.1756
487	10	Unbiased	159.17	159.56	0.3888
488	10	Unbiased	160.17	161.15	0.9811
489	10	Unbiased	159.84	159.51	-0.3246
490	10	Unbiased	169.23	168.71	-0.5182
491	10	Unbiased	159.66	160.4	0.7479
492	3	Biased	158.73	159.07	0.331
493	3	Biased	159.36	159.93	0.566
494	3	Biased	157.88	159.78	1.8997
495	3	Biased	156.14	155.61	-0.5391
496	3	Biased	162.68	163.63	0.9509
497	3	Unbiased	161.25	162.06	0.8034
498	3	Unbiased	155.88	156.89	1.0123
499	3	Unbiased	167.13	167.66	0.5244
500	3	Unbiased	163.5	163.44	-0.0578
502	3	Unbiased	159.06	158.98	-0.0808

Test Statistics (ns)

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	157.57	161.48	164.66	3.6034	159.13	162.51	165.29	3.122	0.6266	1.0233	1.5613	0.4831
3	155.88	160.16	167.13	3.5089	155.61	160.7	167.66	3.5566	-0.5391	0.541	1.8997	0.68814
10	157.21	160.74	169.23	3.4784	158.72	161.4	168.71	3.0475	-0.5182	0.66556	2.1756	0.83985
30	153.61	160.33	166.95	4.1779	153.52	161.01	167.26	4.3999	-1.2946	0.67561	2.1536	1.0492
50	152.79	159.14	162.61	2.9327	154.21	159.59	163.58	3.0809	-2.7861	0.44644	3.4798	1.9681
100	151.52	158.32	163.65	3.8335	150.2	160.4	180.34	7.9745	-1.3266	2.0761	17.166	5.524

Device Test: 24.97 SYNC_PH_SHIFT(TIMING|PHASESHIFT/SYNC1/12//511k//@SYNC_PH_SHIFT)





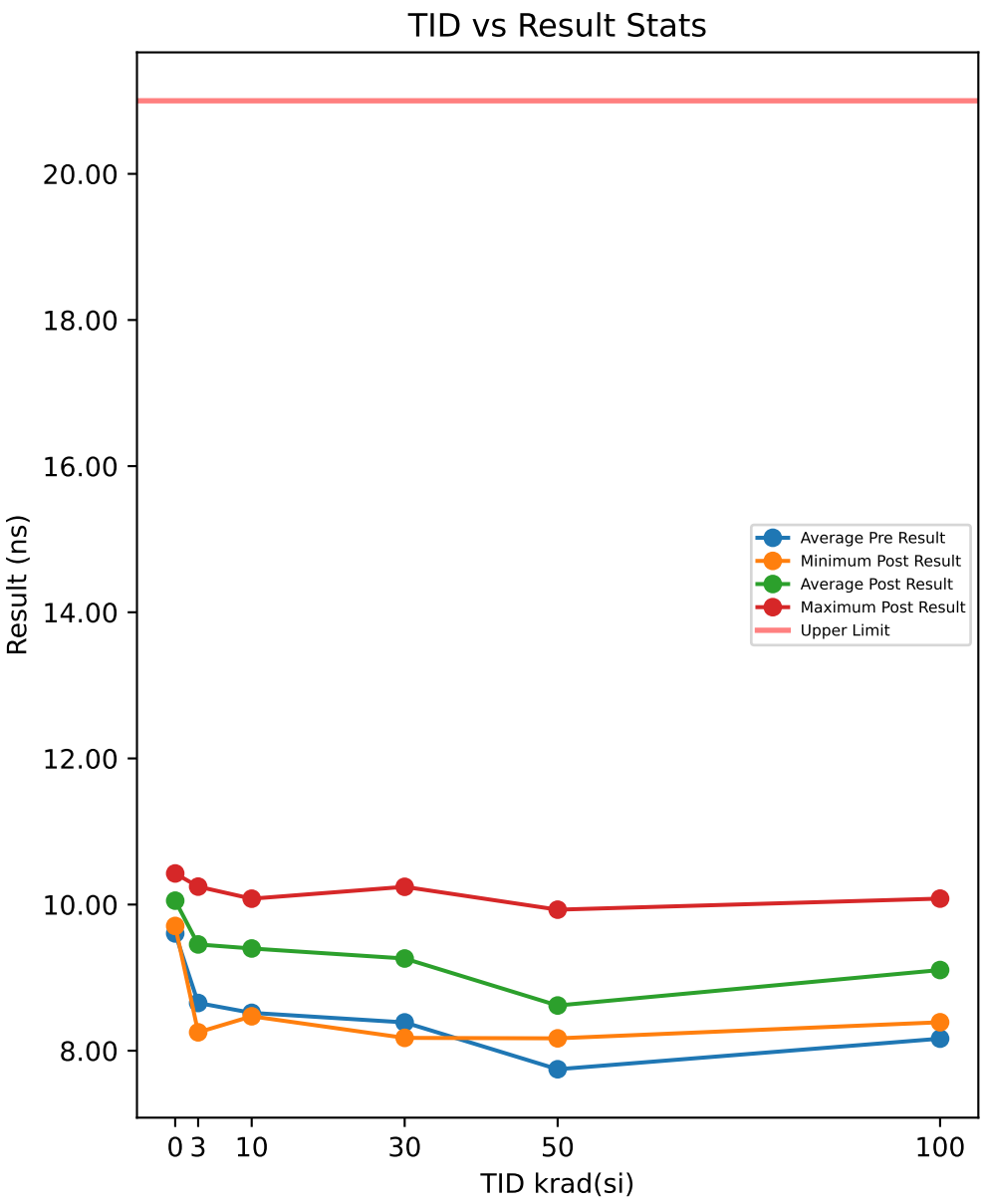
Test Results (Lower Limit = 82.0, Upper Limit = 98.0 (°))

Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
390	100	Biased	89.252	89.68	0.4279
392	100	Biased	89.935	89.507	-0.4282
393	100	Biased	89.413	89.368	-0.045
394	100	Biased	89.736	89.461	-0.2743
395	100	Biased	89.742	89.609	-0.1332
412	100	Unbiased	89.519	89.815	0.2957
413	100	Unbiased	89.647	91.017	1.3706
414	100	Unbiased	89.566	89.809	0.2431
415	100	Unbiased	89.159	89.572	0.4138
416	100	Unbiased	89.531	89.097	-0.4339
417	50	Biased	89.888	89.737	-0.1515
418	50	Biased	89.954	89.909	-0.0447
419	50	Biased	89.681	89.405	-0.2757
421	50	Biased	90.124	89.847	-0.2777
422	50	Biased	89.791	89.167	-0.6247
423	50	Unbiased	90.014	89.609	-0.4045
424	50	Unbiased	89.778	89.797	0.0196
425	50	Unbiased	89.641	89.494	-0.1467
426	50	Unbiased	89.946	89.852	-0.0942
427	50	Unbiased	89.629	89.566	-0.0636
463	0	Corr	89.827	89.523	-0.3038
464	0	Corr	89.972	89.739	-0.2339
465	0	Corr	89.775	89.129	-0.6458
466	30	Biased	89.668	89.821	0.1523
469	30	Biased	89.751	89.576	-0.1748
470	30	Biased	89.796	89.582	-0.2134
472	30	Biased	89.886	89.731	-0.1558
474	30	Biased	89.856	89.653	-0.2033
475	30	Unbiased	89.551	89.83	0.2789
477	30	Unbiased	90.168	89.576	-0.5918
478	30	Unbiased	89.576	88.831	-0.7451
479	30	Unbiased	89.485	89.367	-0.1177
480	30	Unbiased	89.702	89.398	-0.3041
481	10	Biased	89.91	89.765	-0.1453
482	10	Biased	89.722	89.759	0.0377
483	10	Biased	89.825	89.609	-0.2153
484	10	Biased	89.808	89.508	-0.2999
485	10	Biased	89.866	89.848	-0.0177
487	10	Unbiased	89.429	89.814	0.3852
488	10	Unbiased	89.415	89.634	0.2188
489	10	Unbiased	89.94	89.631	-0.3089
490	10	Unbiased	90.174	89.335	-0.8389
491	10	Unbiased	89.758	89.746	-0.0122
492	3	Biased	89.321	89.742	0.421
493	3	Biased	89.92	89.495	-0.4248
494	3	Biased	90.151	89.691	-0.4599
495	3	Biased	89.532	89.566	0.0334
496	3	Biased	89.806	89.996	0.1894
497	3	Unbiased	89.86	89.536	-0.3236
498	3	Unbiased	90.165	89.083	-1.0813
499	3	Unbiased	90.111	89.416	-0.6943
500	3	Unbiased	89.781	89.361	-0.4204
502	3	Unbiased	89.925	89.632	-0.2921

Test Statistics (°)

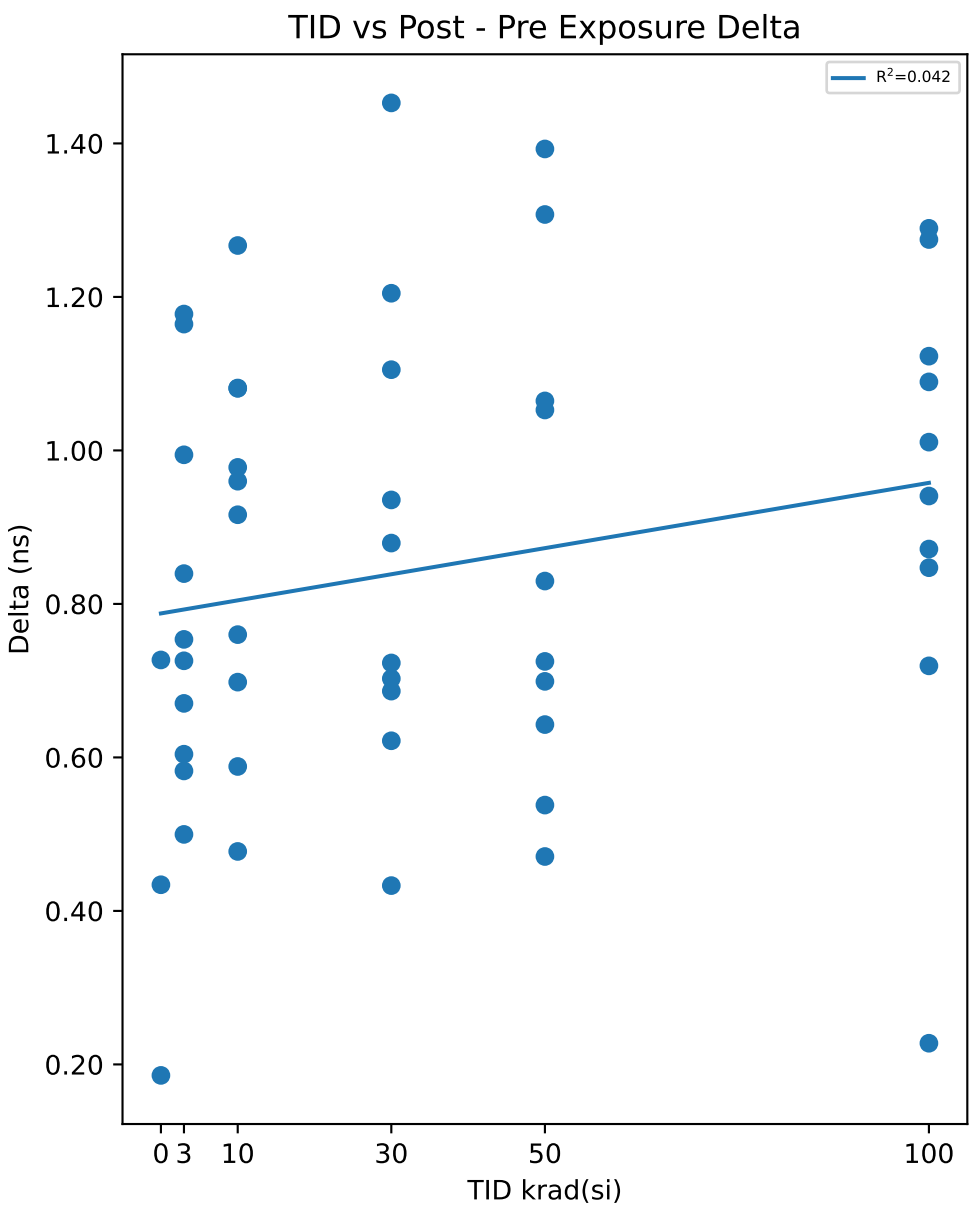
krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	89.775	89.858	89.972	0.10252	89.129	89.463	89.739	0.30917	-0.6458	-0.3945	-0.2339	0.22042
3	89.321	89.857	90.165	0.2698	89.083	89.552	89.996	0.24429	-1.0813	-0.30526	0.421	0.43364
10	89.415	89.785	90.174	0.228	89.335	89.665	89.848	0.15631	-0.8389	-0.11965	0.3852	0.33525
30	89.485	89.744	90.168	0.1987	88.831	89.536	89.83	0.29238	-0.7451	-0.20748	0.2789	0.30257
50	89.629	89.845	90.124	0.16765	89.167	89.638	89.909	0.23593	-0.6247	-0.20637	0.0196	0.19462
100	89.159	89.55	89.935	0.23356	89.097	89.694	91.017	0.51131	-0.4339	0.14365	1.3706	0.54157

Device Test: 24.98 SYNC_LH_RISE_TIME(TIMING|RISE/SYNC1/12//511k//@SYNC_LH_RISE_TIME)



Test Results (Upper Limit = 21.0 (ns))

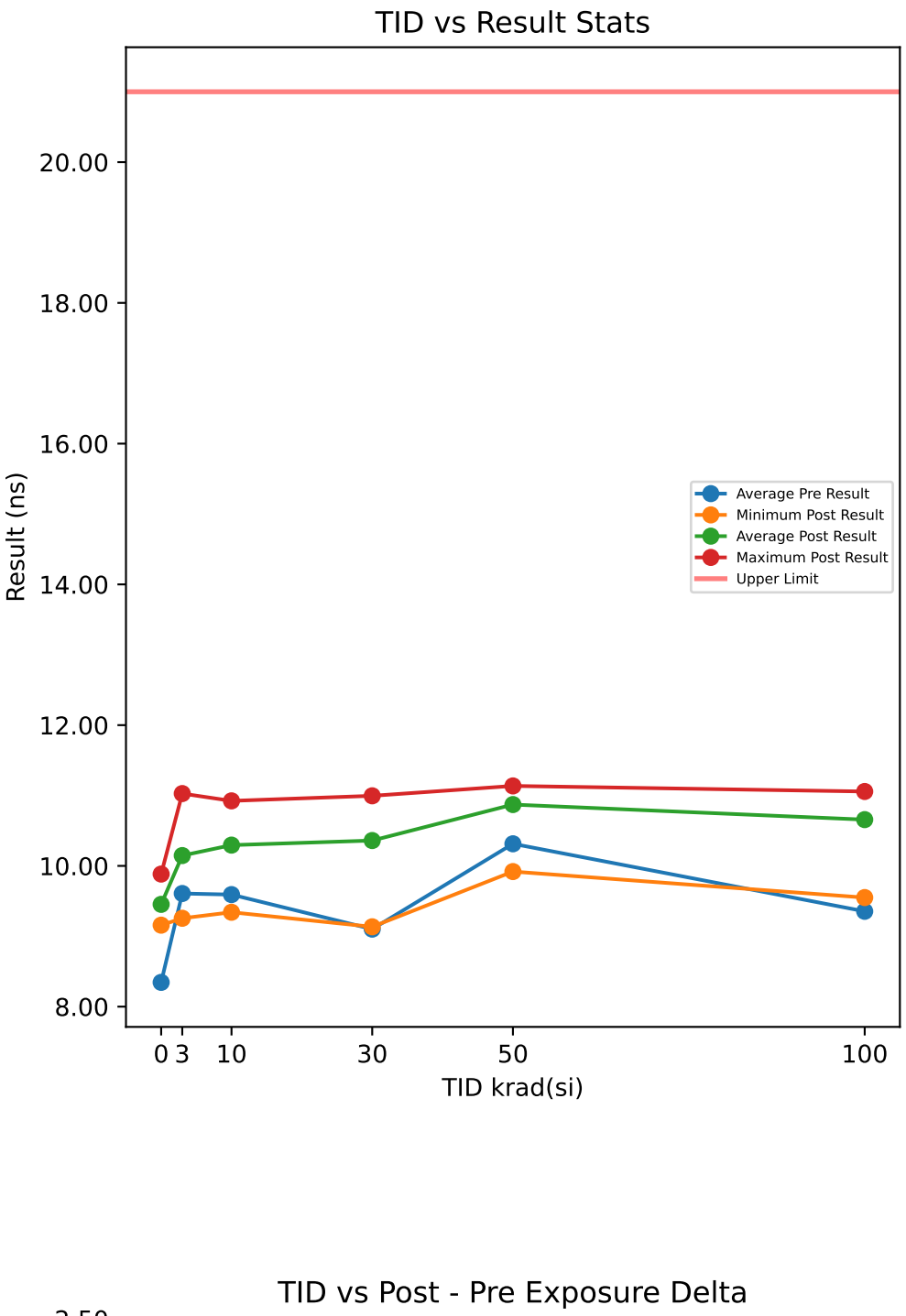
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
390	100	Biased	9.8539	10.082	0.2276
392	100	Biased	8.0879	9.3627	1.2748
393	100	Biased	7.8678	8.9906	1.1228
394	100	Biased	8.2168	9.3061	1.0893
395	100	Biased	7.6551	8.6659	1.0108
412	100	Unbiased	8.1356	9.425	1.2894
413	100	Unbiased	8.5181	9.4587	0.9406
414	100	Unbiased	7.6699	8.5414	0.8715
415	100	Unbiased	7.5423	8.3895	0.8472
416	100	Unbiased	8.1015	8.8208	0.7193
417	50	Biased	7.7203	8.2582	0.5379
418	50	Biased	7.6985	8.1694	0.4709
419	50	Biased	7.6221	8.6866	1.0645
421	50	Biased	7.5398	8.2649	0.7251
422	50	Biased	8.5373	9.9301	1.3928
423	50	Unbiased	7.8058	8.6356	0.8298
424	50	Unbiased	7.7392	9.0466	1.3074
425	50	Unbiased	7.4701	8.1692	0.6991
426	50	Unbiased	7.5955	8.6482	1.0527
427	50	Unbiased	7.7339	8.3767	0.6428
463	0	Corr	9.5934	10.027	0.4341
464	0	Corr	8.9802	9.7072	0.727
465	0	Corr	10.24	10.426	0.1857
466	30	Biased	7.5539	8.1756	0.6217
469	30	Biased	9.8099	10.243	0.433
470	30	Biased	8.3904	9.0768	0.6864
472	30	Biased	7.8842	8.9894	1.1052
474	30	Biased	7.8003	8.7358	0.9355
475	30	Unbiased	8.3913	9.2706	0.8793
477	30	Unbiased	7.941	8.6641	0.7231
478	30	Unbiased	8.4052	9.858	1.4528
479	30	Unbiased	9.4158	10.119	0.7027
480	30	Unbiased	8.2817	9.4865	1.2048
481	10	Biased	7.9554	8.8716	0.9162
482	10	Biased	9.5881	10.066	0.4775
483	10	Biased	7.7729	8.471	0.6981
484	10	Biased	9.3204	10.08	0.76
485	10	Biased	8.1608	9.2421	1.0813
487	10	Unbiased	8.5774	9.5373	0.9599
488	10	Unbiased	8.4826	9.7496	1.267
489	10	Unbiased	8.1239	9.2048	1.0809
490	10	Unbiased	8.0709	9.0488	0.9779
491	10	Unbiased	9.1301	9.7183	0.5882
492	3	Biased	7.9545	9.1191	1.1646
493	3	Biased	8.7342	9.7285	0.9943
494	3	Biased	9.4443	10.049	0.6042
495	3	Biased	7.8669	8.7064	0.8395
496	3	Biased	9.4216	10.004	0.5824
497	3	Unbiased	9.1838	9.9376	0.7538
498	3	Unbiased	7.9422	8.6681	0.7259
499	3	Unbiased	8.6569	9.8346	1.1777
500	3	Unbiased	7.5811	8.2515	0.6704
502	3	Unbiased	9.7459	10.246	0.4997

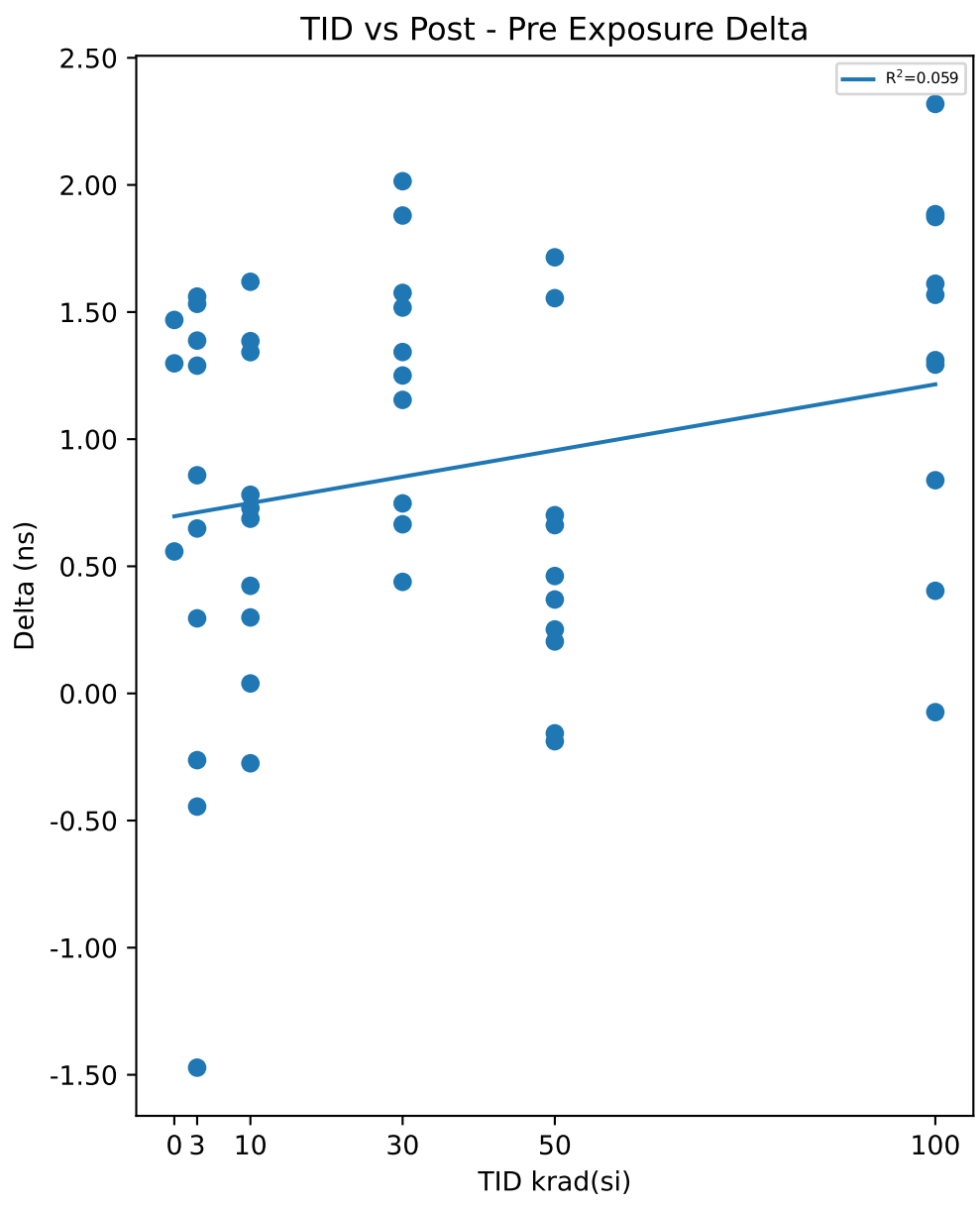


Test Statistics (ns)

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	8.9802	9.6045	10.24	0.62997	9.7072	10.053	10.426	0.35995	0.1857	0.44893	0.727	0.27095
3	7.5811	8.6531	9.7459	0.77887	8.2515	9.4544	10.246	0.70485	0.4997	0.80125	1.1777	0.23925
10	7.7729	8.5182	9.5881	0.62565	8.471	9.3989	10.08	0.52461	0.4775	0.8807	1.267	0.24553
30	7.5539	8.3874	9.8099	0.71372	8.1756	9.2618	10.243	0.66872	0.433	0.87445	1.4528	0.3068
50	7.4701	7.7462	8.5373	0.29618	8.1692	8.6185	9.9301	0.54019	0.4709	0.8723	1.3928	0.31777
100	7.5423	8.1649	9.8539	0.66431	8.3895	9.1042	10.082	0.51684	0.2276	0.93933	1.2894	0.30991

Device Test: 24.99 SYNC_LH_RISE_TIME(TIMING|RISE/SYNC2/12//511k//@SYNC_LH_RISE_TIME)





Test Results (Upper Limit = 21.0 (ns))

Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
390	100	Biased	7.9385	9.5499	1.6114
392	100	Biased	9.1695	10.463	1.2932
393	100	Biased	9.6238	10.935	1.3108
394	100	Biased	8.9889	10.556	1.5676
395	100	Biased	10.578	10.982	0.4036
412	100	Unbiased	8.601	10.475	1.8736
413	100	Unbiased	8.3962	10.715	2.3185
414	100	Unbiased	10.219	11.057	0.8385
415	100	Unbiased	11.062	10.988	-0.0738
416	100	Unbiased	8.968	10.853	1.8851
417	50	Biased	10.628	11.09	0.4618
418	50	Biased	11.263	11.106	-0.157
419	50	Biased	10.466	10.835	0.3693
421	50	Biased	10.885	11.136	0.2516
422	50	Biased	8.3646	9.9192	1.5546
423	50	Unbiased	9.2169	10.932	1.7153
424	50	Unbiased	10.132	10.833	0.701
425	50	Unbiased	11.158	10.97	-0.188
426	50	Unbiased	10.757	10.962	0.2043
427	50	Unbiased	10.268	10.93	0.6619
463	0	Corr	8.0205	9.3187	1.2982
464	0	Corr	9.3252	9.8836	0.5584
465	0	Corr	7.6888	9.1577	1.4689
466	30	Biased	10.557	10.996	0.4387
469	30	Biased	7.9799	9.1344	1.1545
470	30	Biased	9.0128	10.53	1.5176
472	30	Biased	9.8244	10.572	0.7474
474	30	Biased	10.265	10.93	0.6652
475	30	Unbiased	8.632	10.647	2.0146
477	30	Unbiased	9.3213	10.897	1.5753
478	30	Unbiased	8.4914	9.8342	1.3428
479	30	Unbiased	8.1315	9.382	1.2505
480	30	Unbiased	8.8001	10.68	1.8797
481	10	Biased	10.095	10.782	0.6871
482	10	Biased	7.9989	9.3411	1.3422
483	10	Biased	10.625	10.924	0.2988
484	10	Biased	8.278	9.6636	1.3856
485	10	Biased	9.8384	10.62	0.7814
487	10	Unbiased	10.029	10.069	0.0392
488	10	Unbiased	9.419	10.148	0.7288
489	10	Unbiased	10.339	10.763	0.4232
490	10	Unbiased	11.083	10.809	-0.2748
491	10	Unbiased	8.2148	9.8339	1.6191
492	3	Biased	10.027	10.676	0.6487
493	3	Biased	9.2702	10.128	0.8581
494	3	Biased	7.948	9.5089	1.5609
495	3	Biased	11.237	10.975	-0.2625
496	3	Biased	8.0784	9.4662	1.3878
497	3	Unbiased	8.4172	9.7064	1.2892
498	3	Unbiased	11.071	10.626	-0.4451
499	3	Unbiased	9.8022	10.097	0.2952
500	3	Unbiased	12.5	11.028	-1.472
502	3	Unbiased	7.7234	9.2556	1.5322

Test Statistics (ns)

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	7.6888	8.3448	9.3252	0.86507	9.1577	9.4533	9.8836	0.38122	0.5584	1.1085	1.4689	0.48399
3	7.7234	9.6075	12.5	1.6176	9.2556	10.147	11.028	0.65258	-1.472	0.53925	1.5609	1.0079
10	7.9989	9.5921	11.083	1.0825	9.3411	10.295	10.924	0.55923	-0.2748	0.70306	1.6191	0.61094
30	7.9799	9.1015	10.557	0.87765	9.1344	10.36	10.996	0.66751	0.4387	1.2586	2.0146	0.51944
50	8.3646	10.314	11.263	0.90038	9.9192	10.871	11.136	0.35078	-0.188	0.55748	1.7153	0.64078
100	7.9385	9.3545	11.062	1.0022	9.5499	10.657	11.057	0.44732	-0.0738	1.3029	2.3185	0.72887

B Appendix B: LDR Results Report

This appendix contains the LDR TID report data.

The following decoder serves as a reference guide for the test parameters shown in the appendix:

Please reference Table B-1 below for an example implementation of this decoder.

Table B-1. Decoder Implementation, Example Test: _IDD|STATIC/VIN/14////@VIN_SHDN_CURR_14V

Test Category	Header	Pin Name	Input Voltage	Load Current	Frequency Set Resistor Vlue	Condition	Specification Identifier
IDD	STATIC	VIN	14V	N/A	N/A	N/A	@VIN_SHDN_CURR_14

Note that the absence of identifiers in a parameter name indicates that the identifier is not applicable. For instance, this test does not have the device driving an external load, and thus no load current is specified.

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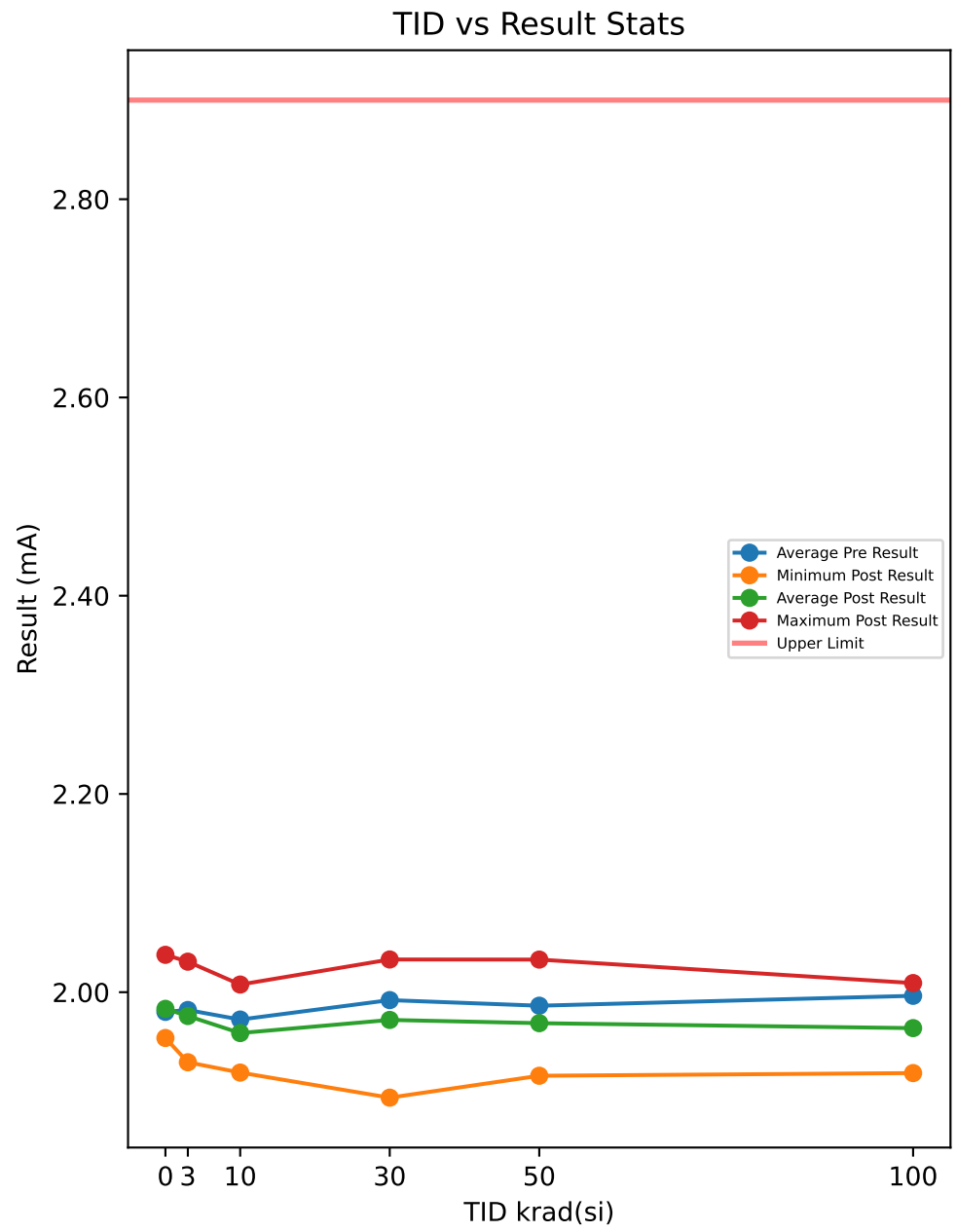
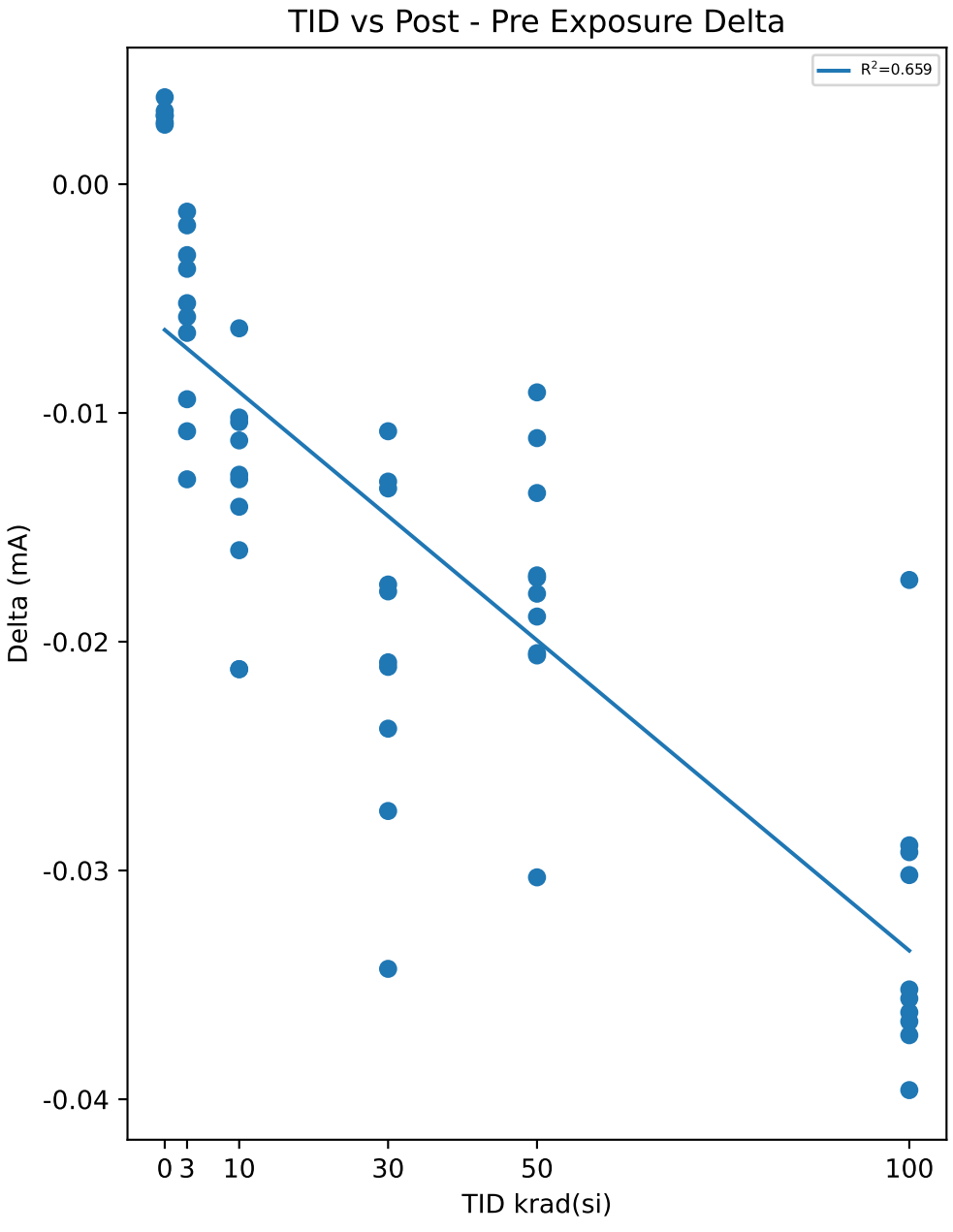
Device Test: 12.1 _IDD|STATIC/VIN/4.5////@VIN_SHDN_CURR_4V





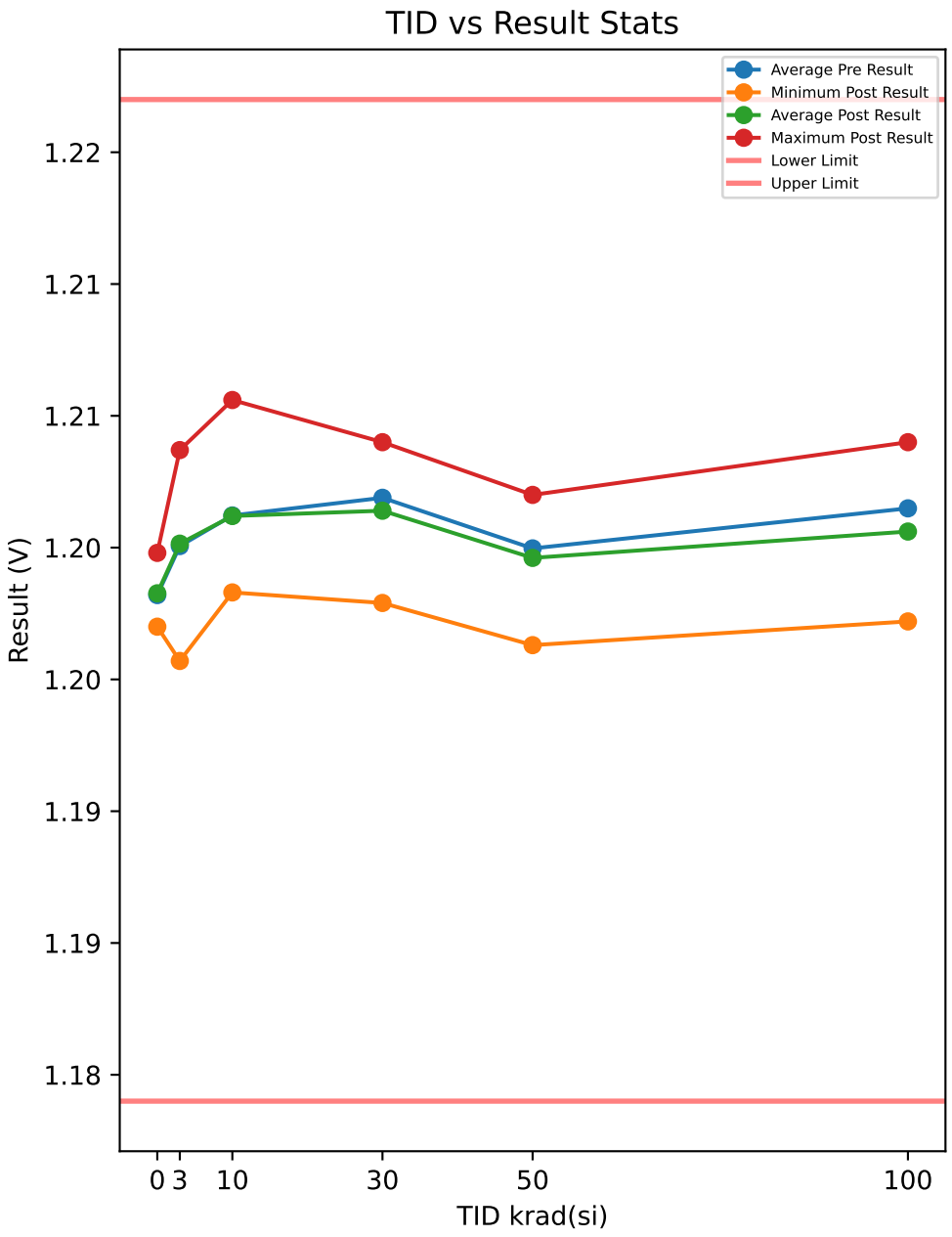
Test Results (Upper Limit = 2.9 (mA))

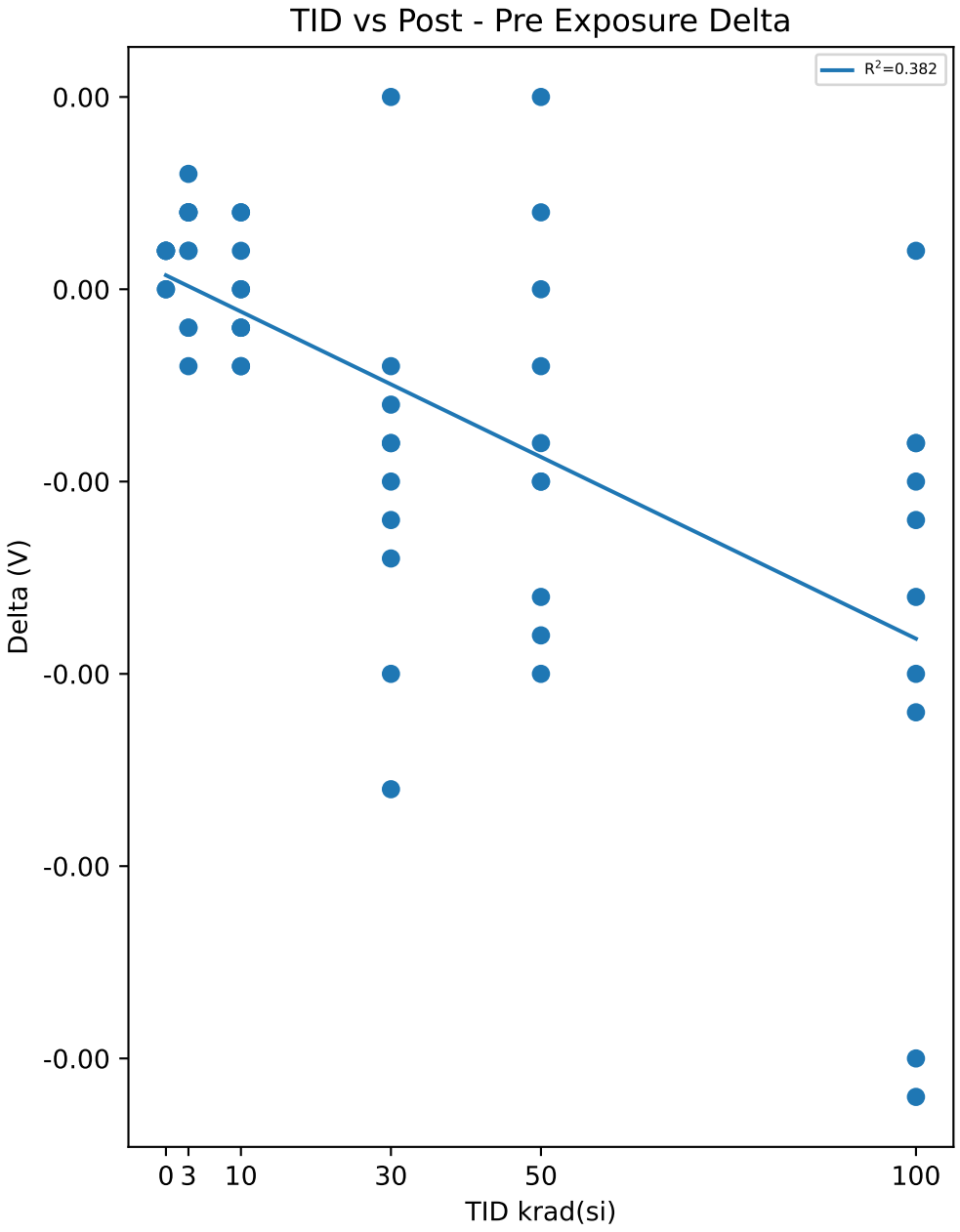
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	LDR Biased	2.0229	2.0171	-0.0058
2	3	LDR Biased	1.9916	1.9851	-0.0065
3	3	LDR Biased	1.9836	1.9728	-0.0108
4	3	LDR Biased	1.9743	1.9614	-0.0129
5	3	LDR Biased	1.9959	1.9941	-0.0018
6	10	LDR Biased	1.9667	1.9565	-0.0102
7	10	LDR Biased	1.9616	1.9456	-0.016
8	10	LDR Biased	1.9599	1.9472	-0.0127
9	10	LDR Biased	2.001	1.9881	-0.0129
10	10	LDR Biased	1.933	1.9189	-0.0141
11	30	LDR Biased	1.9174	1.8936	-0.0238
12	30	LDR Biased	2.0355	2.0081	-0.0274
13	30	LDR Biased	2.0541	2.033	-0.0211
14	30	LDR Biased	1.9781	1.9648	-0.0133
15	30	LDR Biased	1.9981	1.9772	-0.0209
16	50	LDR Biased	1.9668	1.9463	-0.0205
17	50	LDR Biased	1.9452	1.9317	-0.0135
18	50	LDR Biased	2.0136	2.0025	-0.0111
19	50	LDR Biased	1.9905	1.9814	-0.0091
20	50	LDR Biased	2.0508	2.0329	-0.0179
21	100	LDR Biased	1.9859	1.9487	-0.0372
22	100	LDR Biased	2.0415	2.0019	-0.0396
23	100	LDR Biased	1.955	1.9184	-0.0366
24	100	LDR Biased	1.9792	1.943	-0.0362
25	100	LDR Biased	2.0324	2.0035	-0.0289
26	3	LDR Unbiased	2.036	2.0308	-0.0052
27	3	LDR Unbiased	1.9377	1.934	-0.0037
28	3	LDR Unbiased	1.9574	1.9562	-0.0012
29	3	LDR Unbiased	1.9324	1.9293	-0.0031
30	3	LDR Unbiased	1.9884	1.979	-0.0094
31	10	LDR Unbiased	1.9538	1.9326	-0.0212
32	10	LDR Unbiased	2.0044	1.9832	-0.0212
33	10	LDR Unbiased	2.0181	2.0077	-0.0104
34	10	LDR Unbiased	1.9632	1.952	-0.0112
35	10	LDR Unbiased	1.9622	1.9559	-0.0063
36	30	LDR Unbiased	1.9841	1.9666	-0.0175
37	30	LDR Unbiased	1.9702	1.9359	-0.0343
38	30	LDR Unbiased	1.9784	1.9654	-0.013
39	30	LDR Unbiased	1.9918	1.981	-0.0108
40	30	LDR Unbiased	2.0124	1.9946	-0.0178
41	50	LDR Unbiased	1.9329	1.9157	-0.0172
42	50	LDR Unbiased	1.9896	1.969	-0.0206
43	50	LDR Unbiased	1.9835	1.9664	-0.0171
44	50	LDR Unbiased	2.0387	2.0084	-0.0303
45	50	LDR Unbiased	1.952	1.9331	-0.0189
46	100	LDR Unbiased	1.9997	1.9645	-0.0352
47	100	LDR Unbiased	1.9637	1.9281	-0.0356
48	100	LDR Unbiased	1.9614	1.9322	-0.0292
49	100	LDR Unbiased	2.0053	1.988	-0.0173
50	100	LDR Unbiased	2.0394	2.0092	-0.0302
60	0	Correlation	1.9974	2	0.0026
61	0	Correlation	2.035	2.0377	0.0027
62	0	Correlation	1.9508	1.954	0.0032
63	0	Correlation	1.9831	1.9861	0.003
64	0	Correlation	1.9638	1.9676	0.0038
65	0	Correlation	1.9508	1.9538	0.003

Test Statistics (mA)

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	1.9508	1.9802	2.035	0.032573	1.9538	1.9832	2.0377	0.032315	0.0026	0.00305	0.0038	0.00042778
3	1.9324	1.982	2.036	0.033341	1.9293	1.976	2.0308	0.032782	-0.0129	-0.00604	-0.0012	0.0039087
10	1.933	1.9724	2.0181	0.026505	1.9189	1.9588	2.0077	0.026858	-0.0212	-0.01362	-0.0063	0.0047572
30	1.9174	1.992	2.0541	0.03754	1.8936	1.972	2.033	0.038322	-0.0343	-0.01999	-0.0108	0.0071905
50	1.9329	1.9864	2.0508	0.039137	1.9157	1.9687	2.0329	0.037938	-0.0303	-0.01762	-0.0091	0.0058897
100	1.955	1.9964	2.0415	0.032801	1.9184	1.9637	2.0092	0.034432	-0.0396	-0.0326	-0.0173	0.0064977

Device Test: 12.10 _LEVEL|STATIC/REFCAP/5////@VBANDGAP





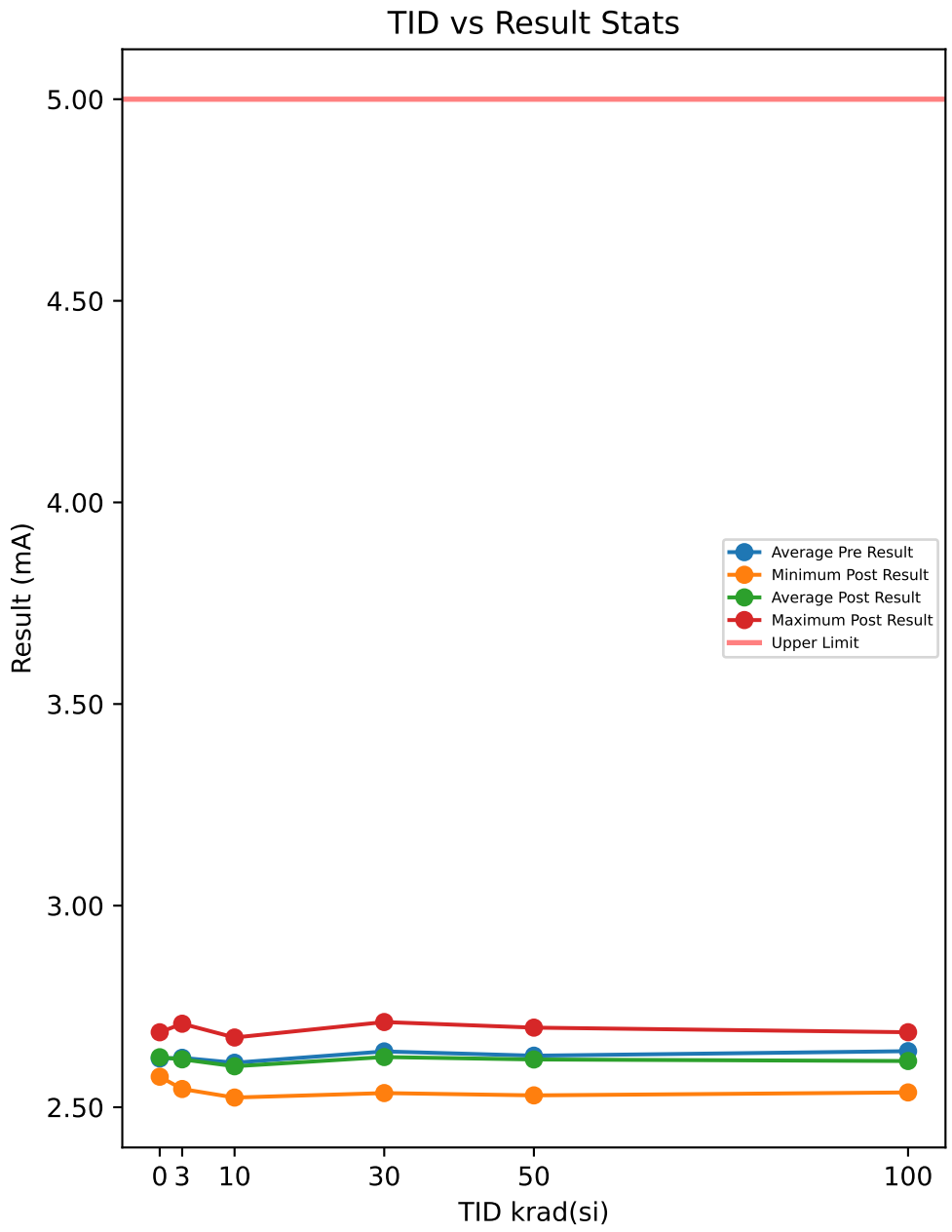
Test Results (Lower Limit = 1.184, Upper Limit = 1.222 (V))

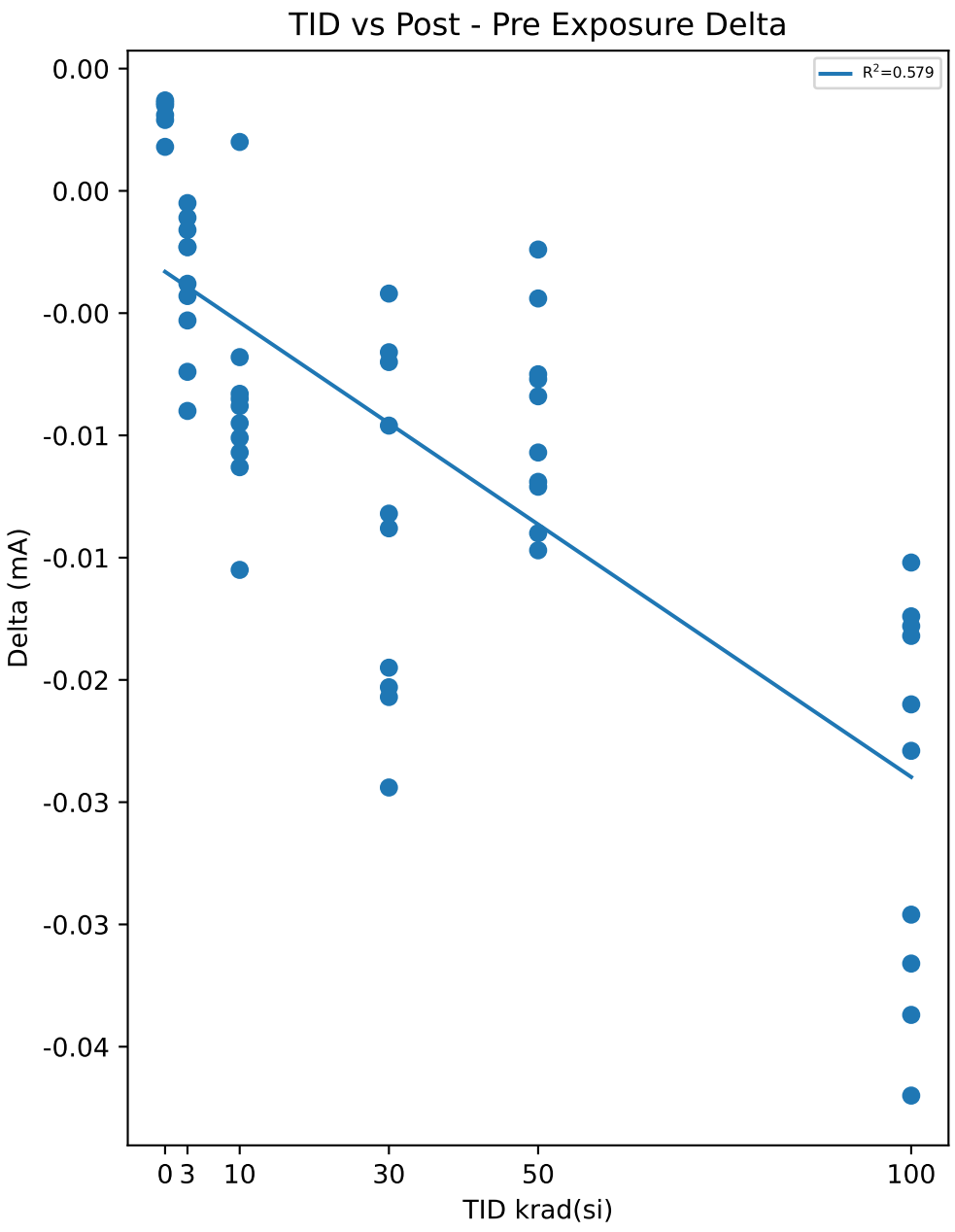
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	LDR Biased	1.2088	1.2087	-0.0001
2	3	LDR Biased	1.2074	1.2072	-0.0002
3	3	LDR Biased	1.2078	1.2077	-0.0001
4	3	LDR Biased	1.206	1.2062	0.0002
5	3	LDR Biased	1.2011	1.2013	0.0002
6	10	LDR Biased	1.2039	1.2039	0
7	10	LDR Biased	1.2033	1.2033	0
8	10	LDR Biased	1.2077	1.2079	0.0002
9	10	LDR Biased	1.2075	1.2074	-0.0001
10	10	LDR Biased	1.2033	1.2035	0.0002
11	30	LDR Biased	1.2071	1.2068	-0.0003
12	30	LDR Biased	1.2096	1.209	-0.0006
13	30	LDR Biased	1.2074	1.2064	-0.001
14	30	LDR Biased	1.2079	1.2075	-0.0004
15	30	LDR Biased	1.2053	1.2049	-0.0004
16	50	LDR Biased	1.2057	1.2052	-0.0005
17	50	LDR Biased	1.2067	1.2067	0
18	50	LDR Biased	1.2027	1.2023	-0.0004
19	50	LDR Biased	1.206	1.205	-0.001
20	50	LDR Biased	1.2021	1.2013	-0.0008
21	100	LDR Biased	1.2075	1.2067	-0.0008
22	100	LDR Biased	1.2089	1.2078	-0.0011
23	100	LDR Biased	1.2047	1.2041	-0.0006
24	100	LDR Biased	1.2067	1.2046	-0.0021
25	100	LDR Biased	1.2087	1.2067	-0.002
26	3	LDR Unbiased	1.2062	1.2063	0.0001
27	3	LDR Unbiased	1.2072	1.2075	0.0003
28	3	LDR Unbiased	1.201	1.2012	0.0002
29	3	LDR Unbiased	1.2046	1.2047	0.0001
30	3	LDR Unbiased	1.2005	1.2007	0.0002
31	10	LDR Unbiased	1.2044	1.2042	-0.0002
32	10	LDR Unbiased	1.2082	1.2081	-0.0001
33	10	LDR Unbiased	1.2107	1.2106	-0.0001
34	10	LDR Unbiased	1.2077	1.2078	0.0001
35	10	LDR Unbiased	1.2055	1.2053	-0.0002
36	30	LDR Unbiased	1.2034	1.2029	-0.0005
37	30	LDR Unbiased	1.2086	1.2079	-0.0007
38	30	LDR Unbiased	1.2054	1.2052	-0.0002
39	30	LDR Unbiased	1.2073	1.2078	0.0005
40	30	LDR Unbiased	1.2069	1.2056	-0.0013
41	50	LDR Unbiased	1.2041	1.2043	0.0002
42	50	LDR Unbiased	1.206	1.2051	-0.0009
43	50	LDR Unbiased	1.2065	1.207	0.0005
44	50	LDR Unbiased	1.2044	1.2042	-0.0002
45	50	LDR Unbiased	1.2055	1.205	-0.0005
46	100	LDR Unbiased	1.2095	1.209	-0.0005
47	100	LDR Unbiased	1.2037	1.2038	0.0001
48	100	LDR Unbiased	1.2063	1.2059	-0.0004
49	100	LDR Unbiased	1.2032	1.2022	-0.001
50	100	LDR Unbiased	1.2057	1.2053	-0.0004
60	0	Correlation	1.2034	1.2035	0.0001
61	0	Correlation	1.203	1.203	0
62	0	Correlation	1.2047	1.2048	0.0001
63	0	Correlation	1.2039	1.2039	0
64	0	Correlation	1.2023	1.2024	0.0001
65	0	Correlation	1.2019	1.202	0.0001

Test Statistics (V)

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	1.2019	1.2032	1.2047	0.0010315	1.202	1.2033	1.2048	0.0010231	0	6.6667e-05	0.0001	5.164e-05
3	1.2005	1.2051	1.2088	0.0031074	1.2007	1.2052	1.2087	0.0030127	-0.0002	9e-05	0.0003	0.00016633
10	1.2033	1.2062	1.2107	0.0025006	1.2033	1.2062	1.2106	0.0024869	-0.0002	-2e-05	0.0002	0.00014757
30	1.2034	1.2069	1.2096	0.0017854	1.2029	1.2064	1.209	0.0017926	-0.0013	-0.00049	0.0005	0.00048178
50	1.2021	1.205	1.2067	0.0015896	1.2013	1.2046	1.207	0.0017489	-0.001	-0.00036	0.0005	0.00048808
100	1.2032	1.2065	1.2095	0.0021931	1.2022	1.2056	1.209	0.0020289	-0.0021	-0.00088	0.0001	0.00070364

Device Test: 12.13 _IQ|STATIC/VIN/12////@IQ_VIN





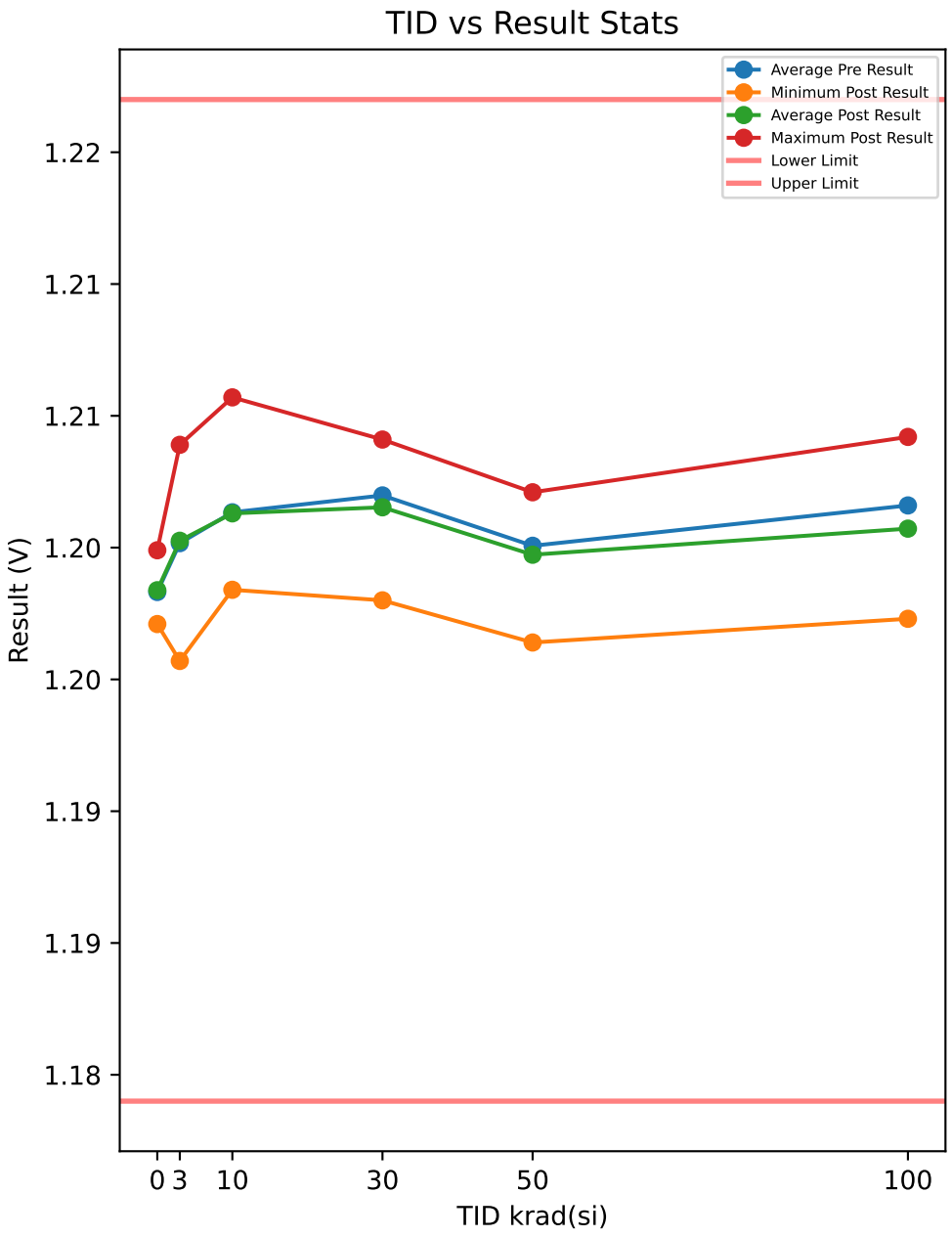
Test Results (Upper Limit = 5.0 (mA))

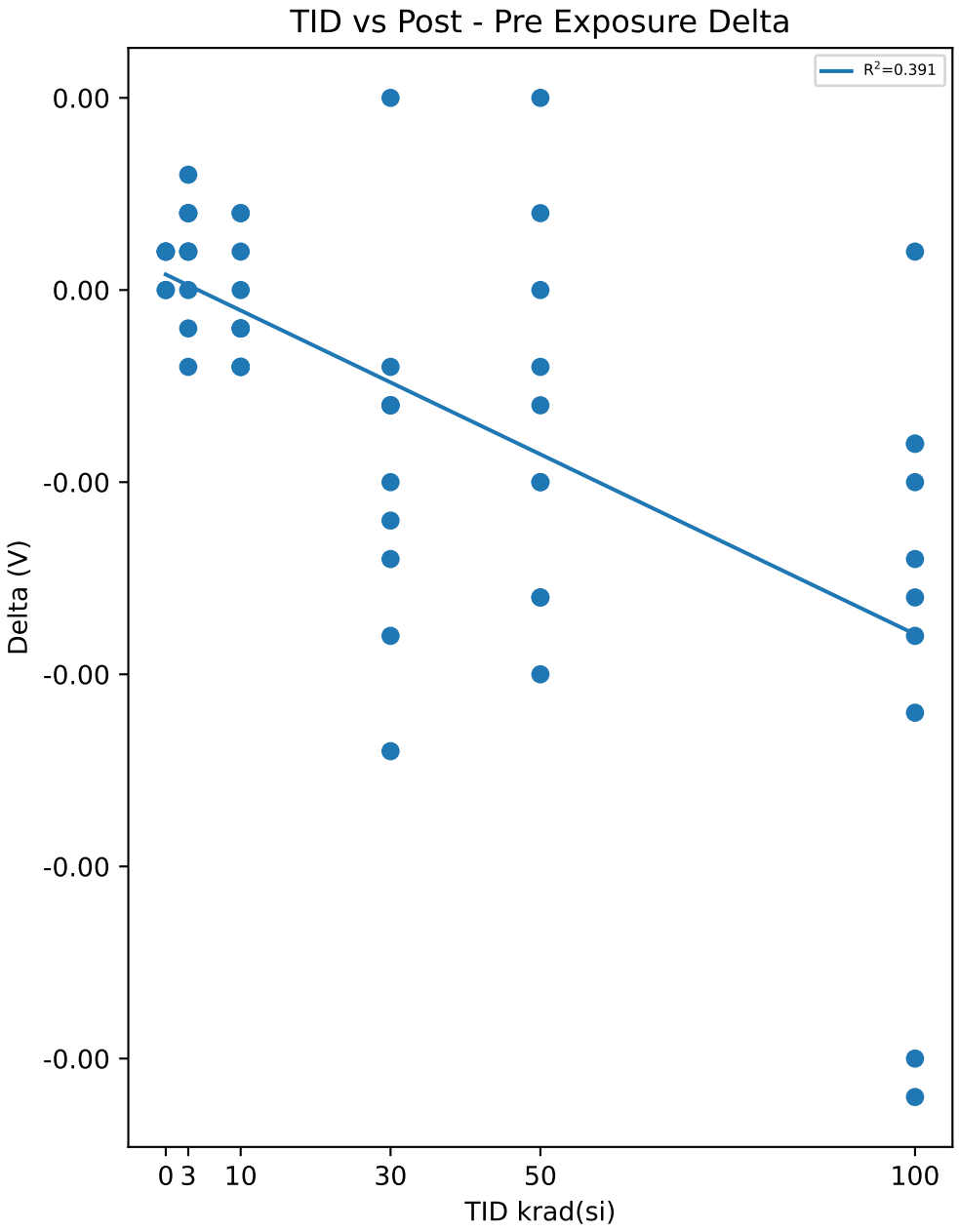
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	LDR Biased	2.6962	2.6888	-0.0074
2	3	LDR Biased	2.6343	2.629	-0.0053
3	3	LDR Biased	2.6216	2.6126	-0.009
4	3	LDR Biased	2.6166	2.6143	-0.0023
5	3	LDR Biased	2.6315	2.6292	-0.0023
6	10	LDR Biased	2.5991	2.5908	-0.0083
7	10	LDR Biased	2.6172	2.6017	-0.0155
8	10	LDR Biased	2.577	2.5682	-0.0088
9	10	LDR Biased	2.6506	2.6393	-0.0113
10	10	LDR Biased	2.5347	2.524	-0.0107
11	30	LDR Biased	2.5546	2.5351	-0.0195
12	30	LDR Biased	2.6985	2.6741	-0.0244
13	30	LDR Biased	2.7251	2.7113	-0.0138
14	30	LDR Biased	2.591	2.584	-0.007
15	30	LDR Biased	2.6424	2.6221	-0.0203
16	50	LDR Biased	2.6045	2.5898	-0.0147
17	50	LDR Biased	2.5682	2.5598	-0.0084
18	50	LDR Biased	2.6653	2.6609	-0.0044
19	50	LDR Biased	2.6198	2.6174	-0.0024
20	50	LDR Biased	2.7093	2.6974	-0.0119
21	100	LDR Biased	2.6143	2.5847	-0.0296
22	100	LDR Biased	2.7194	2.6824	-0.037
23	100	LDR Biased	2.5683	2.5367	-0.0316
24	100	LDR Biased	2.6063	2.5726	-0.0337
25	100	LDR Biased	2.7089	2.686	-0.0229
26	3	LDR Unbiased	2.7114	2.7071	-0.0043
27	3	LDR Unbiased	2.549	2.5452	-0.0038
28	3	LDR Unbiased	2.583	2.5825	-0.0005
29	3	LDR Unbiased	2.5531	2.5515	-0.0016
30	3	LDR Unbiased	2.6289	2.6278	-0.0011
31	10	LDR Unbiased	2.5708	2.5613	-0.0095
32	10	LDR Unbiased	2.6697	2.6596	-0.0101
33	10	LDR Unbiased	2.6814	2.6729	-0.0085
34	10	LDR Unbiased	2.5971	2.5991	0.002
35	10	LDR Unbiased	2.6059	2.5991	-0.0068
36	30	LDR Unbiased	2.6284	2.6188	-0.0096
37	30	LDR Unbiased	2.606	2.5853	-0.0207
38	30	LDR Unbiased	2.6273	2.6207	-0.0066
39	30	LDR Unbiased	2.6242	2.62	-0.0042
40	30	LDR Unbiased	2.6865	2.6733	-0.0132
41	50	LDR Unbiased	2.5371	2.5294	-0.0077
42	50	LDR Unbiased	2.6295	2.622	-0.0075
43	50	LDR Unbiased	2.637	2.6249	-0.0121
44	50	LDR Unbiased	2.7028	2.6888	-0.014
45	50	LDR Unbiased	2.6048	2.5941	-0.0107
46	100	LDR Unbiased	2.6238	2.6028	-0.021
47	100	LDR Unbiased	2.6028	2.5846	-0.0182
48	100	LDR Unbiased	2.5732	2.5558	-0.0174
49	100	LDR Unbiased	2.6855	2.6703	-0.0152
50	100	LDR Unbiased	2.6879	2.6701	-0.0178
60	0	Correlation	2.6729	2.6758	0.0029
61	0	Correlation	2.6841	2.6859	0.0018
62	0	Correlation	2.578	2.5815	0.0035
63	0	Correlation	2.6281	2.6312	0.0031
64	0	Correlation	2.5899	2.5936	0.0037
65	0	Correlation	2.5721	2.5757	0.0036

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	2.5721	2.6208	2.6841	0.048853	2.5757	2.624	2.6859	0.048229	0.0018	0.0031	0.0037	0.00070711
3	2.549	2.6226	2.7114	0.053136	2.5452	2.6188	2.7071	0.051975	-0.009	-0.00376	-0.0005	0.0027889
10	2.5347	2.6103	2.6814	0.045897	2.524	2.6016	2.6729	0.045655	-0.0155	-0.00875	0.002	0.0044458
30	2.5546	2.6384	2.7251	0.051857	2.5351	2.6245	2.7113	0.051227	-0.0244	-0.01393	-0.0042	0.0070141
50	2.5371	2.6278	2.7093	0.054442	2.5294	2.6185	2.6974	0.053565	-0.0147	-0.00938	-0.0024	0.0040274
100	2.5683	2.639	2.7194	0.056226	2.5367	2.6146	2.686	0.056863	-0.037	-0.02444	-0.0152	0.0078426

Device Test: 12.15 _LEVEL|STATIC/REFCAP/12////@VBANDGAP





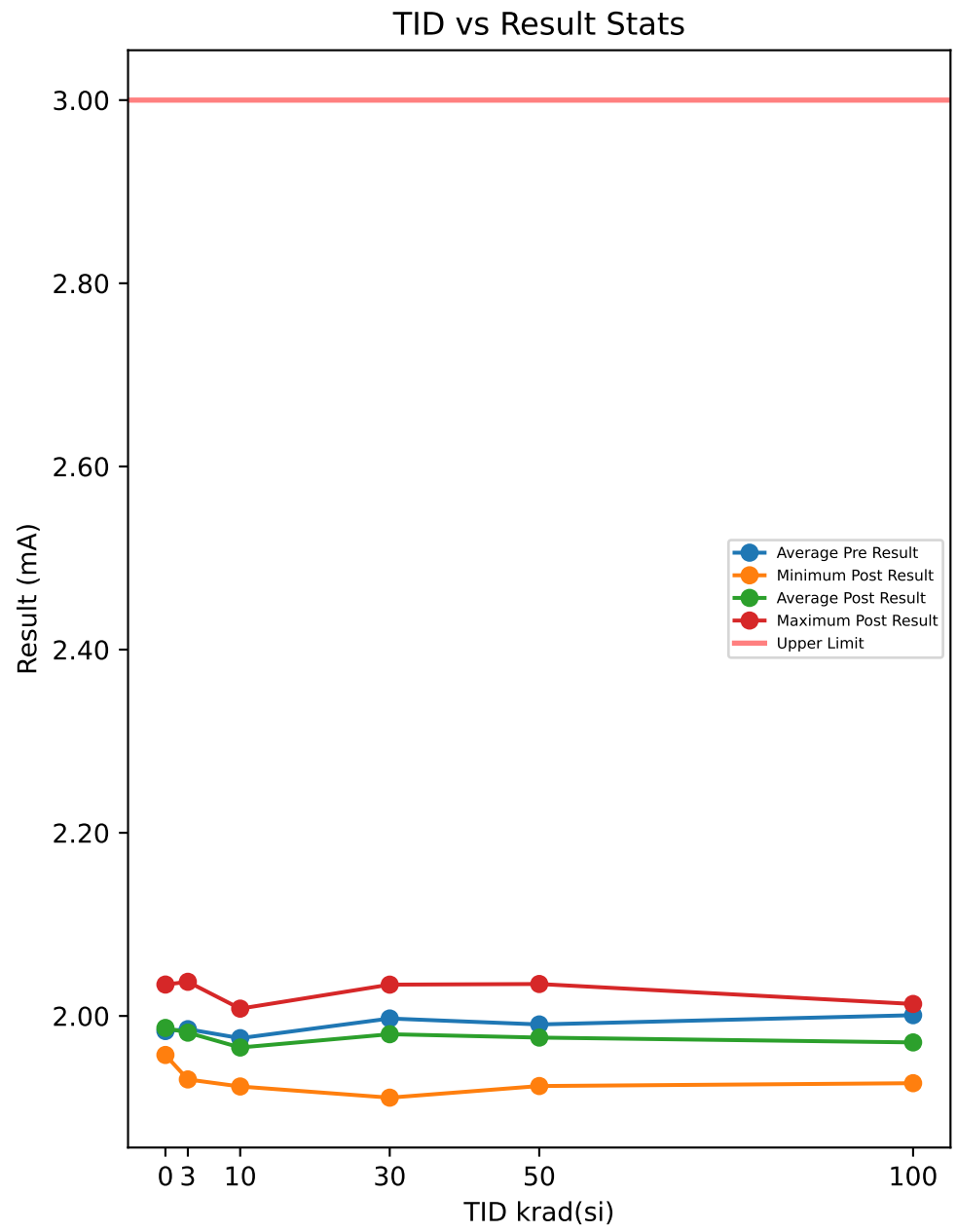
Test Results (Lower Limit = 1.184, Upper Limit = 1.222 (V))

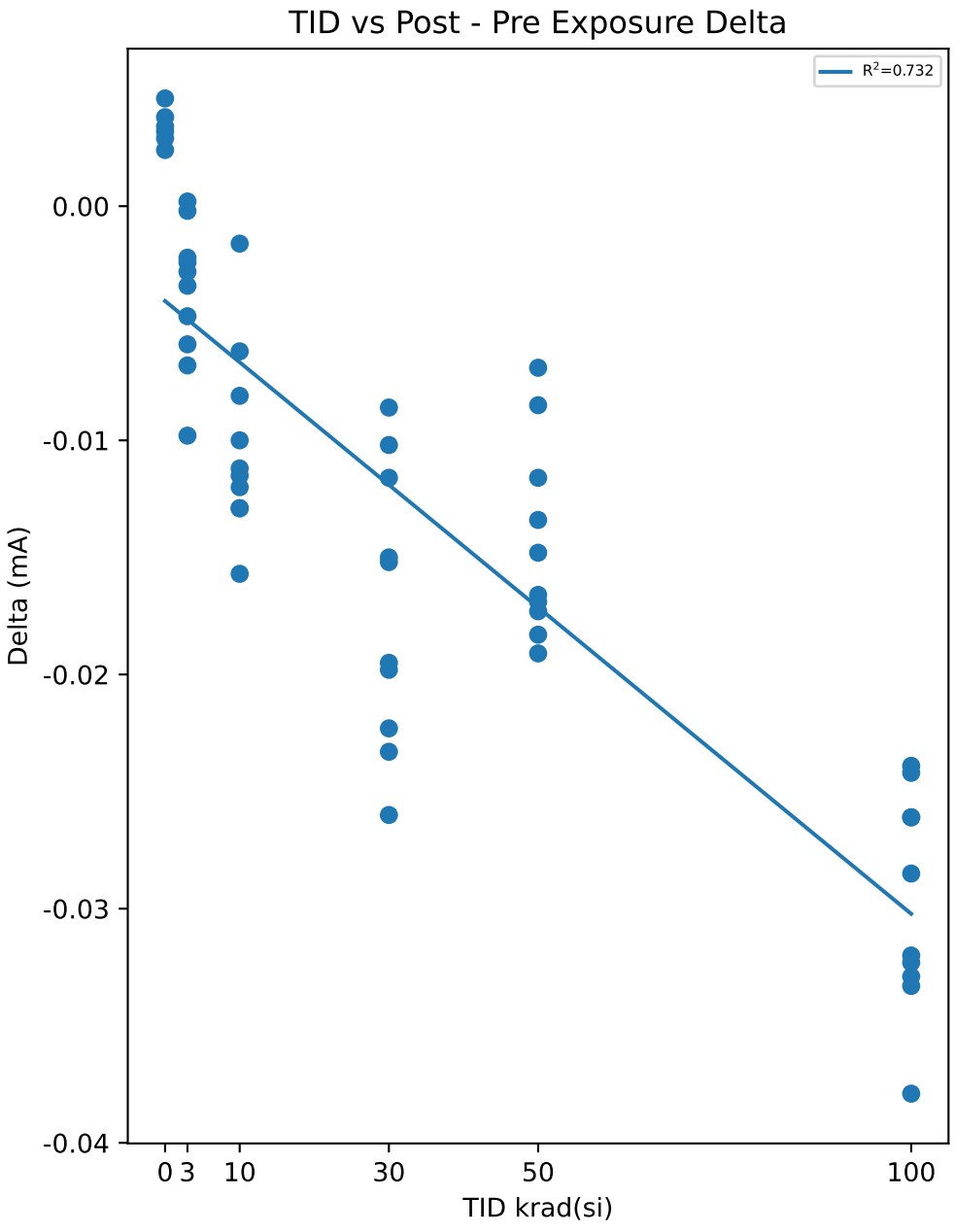
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	LDR Biased	1.2089	1.2089	0
2	3	LDR Biased	1.2075	1.2073	-0.0002
3	3	LDR Biased	1.2079	1.2078	-0.0001
4	3	LDR Biased	1.2061	1.2063	0.0002
5	3	LDR Biased	1.2012	1.2014	0.0002
6	10	LDR Biased	1.2041	1.204	-0.0001
7	10	LDR Biased	1.2034	1.2034	0
8	10	LDR Biased	1.2078	1.208	0.0002
9	10	LDR Biased	1.2076	1.2075	-0.0001
10	10	LDR Biased	1.2034	1.2036	0.0002
11	30	LDR Biased	1.2072	1.2069	-0.0003
12	30	LDR Biased	1.2097	1.2091	-0.0006
13	30	LDR Biased	1.2075	1.2066	-0.0009
14	30	LDR Biased	1.2079	1.2076	-0.0003
15	30	LDR Biased	1.2054	1.2051	-0.0003
16	50	LDR Biased	1.2058	1.2053	-0.0005
17	50	LDR Biased	1.2068	1.2068	0
18	50	LDR Biased	1.2028	1.2025	-0.0003
19	50	LDR Biased	1.2061	1.2051	-0.001
20	50	LDR Biased	1.2022	1.2014	-0.0008
21	100	LDR Biased	1.2076	1.2068	-0.0008
22	100	LDR Biased	1.209	1.2079	-0.0011
23	100	LDR Biased	1.2049	1.2042	-0.0007
24	100	LDR Biased	1.2068	1.2047	-0.0021
25	100	LDR Biased	1.2088	1.2068	-0.002
26	3	LDR Unbiased	1.2063	1.2064	0.0001
27	3	LDR Unbiased	1.2074	1.2076	0.0002
28	3	LDR Unbiased	1.2011	1.2014	0.0003
29	3	LDR Unbiased	1.2047	1.2048	0.0001
30	3	LDR Unbiased	1.2006	1.2007	0.0001
31	10	LDR Unbiased	1.2045	1.2043	-0.0002
32	10	LDR Unbiased	1.2083	1.2082	-0.0001
33	10	LDR Unbiased	1.2109	1.2107	-0.0002
34	10	LDR Unbiased	1.2078	1.2079	0.0001
35	10	LDR Unbiased	1.2056	1.2054	-0.0002
36	30	LDR Unbiased	1.2035	1.203	-0.0005
37	30	LDR Unbiased	1.2087	1.208	-0.0007
38	30	LDR Unbiased	1.2055	1.2053	-0.0002
39	30	LDR Unbiased	1.2074	1.2079	0.0005
40	30	LDR Unbiased	1.207	1.2058	-0.0012
41	50	LDR Unbiased	1.2042	1.2044	0.0002
42	50	LDR Unbiased	1.2061	1.2053	-0.0008
43	50	LDR Unbiased	1.2066	1.2071	0.0005
44	50	LDR Unbiased	1.2045	1.2043	-0.0002
45	50	LDR Unbiased	1.2056	1.2051	-0.0005
46	100	LDR Unbiased	1.2096	1.2092	-0.0004
47	100	LDR Unbiased	1.2038	1.2039	0.0001
48	100	LDR Unbiased	1.2065	1.206	-0.0005
49	100	LDR Unbiased	1.2032	1.2023	-0.0009
50	100	LDR Unbiased	1.2058	1.2054	-0.0004
60	0	Correlation	1.2035	1.2036	0.0001
61	0	Correlation	1.2031	1.2031	0
62	0	Correlation	1.2048	1.2049	0.0001
63	0	Correlation	1.204	1.2041	0.0001
64	0	Correlation	1.2025	1.2025	0
65	0	Correlation	1.202	1.2021	0.0001

Test Statistics (V)

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	1.202	1.2033	1.2048	0.0010147	1.2021	1.2034	1.2049	0.0010362	0	6.6667e-05	0.0001	5.164e-05
3	1.2006	1.2052	1.2089	0.0031152	1.2007	1.2053	1.2089	0.0030281	-0.0002	9e-05	0.0003	0.00015239
10	1.2034	1.2063	1.2109	0.0025105	1.2034	1.2063	1.2107	0.0024869	-0.0002	-4e-05	0.0002	0.00015776
30	1.2035	1.207	1.2097	0.0017794	1.203	1.2065	1.2091	0.0017789	-0.0012	-0.00045	0.0005	0.00045765
50	1.2022	1.2051	1.2068	0.0015896	1.2014	1.2047	1.2071	0.0017378	-0.001	-0.00034	0.0005	0.00047656
100	1.2032	1.2066	1.2096	0.0022005	1.2023	1.2057	1.2092	0.0020477	-0.0021	-0.00088	0.0001	0.00069889

Device Test: 12.16 _IDD|STATIC/VIN/14////@VIN_SHDN_CURR_14V





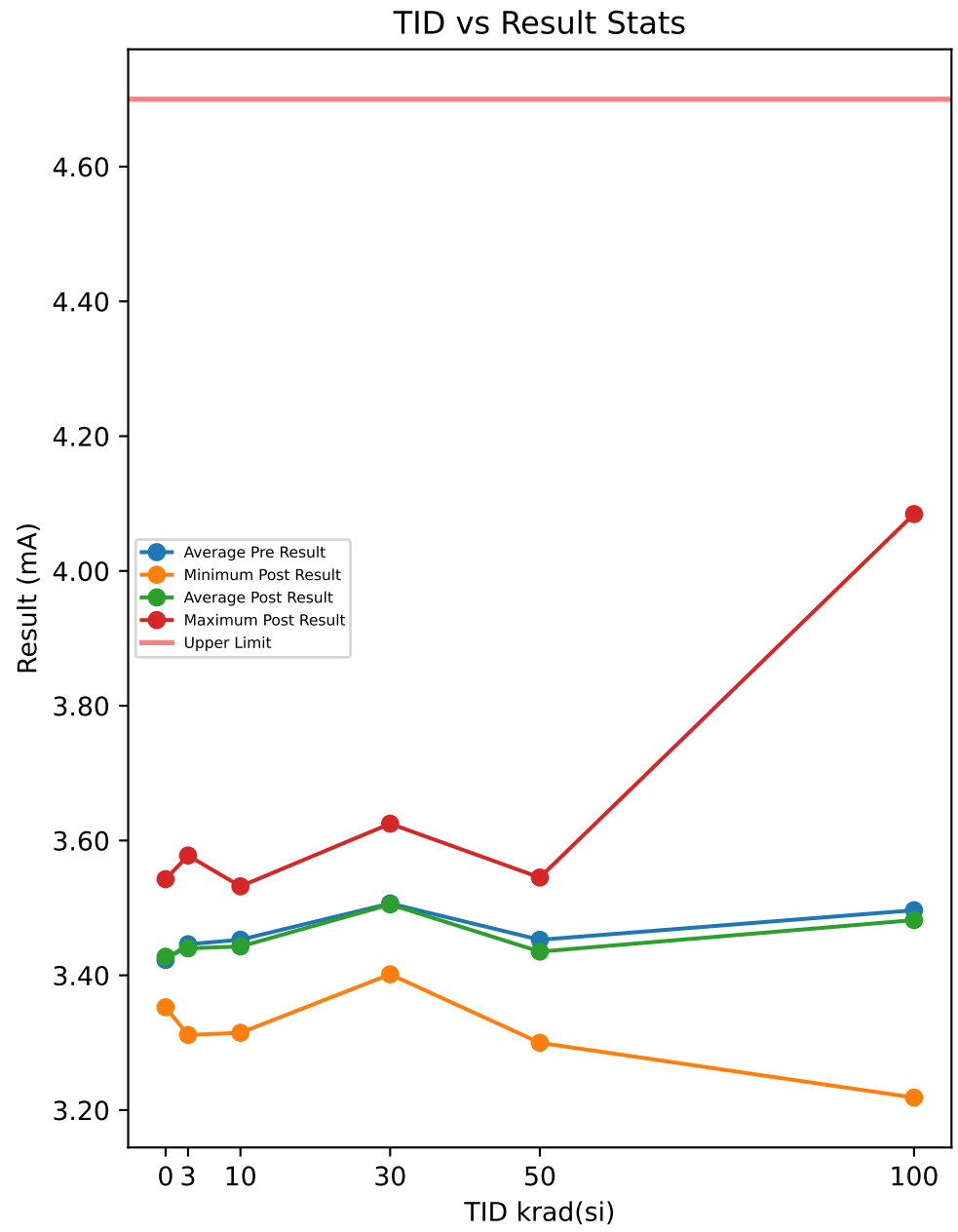
Test Results (Upper Limit = 3.0 (mA))

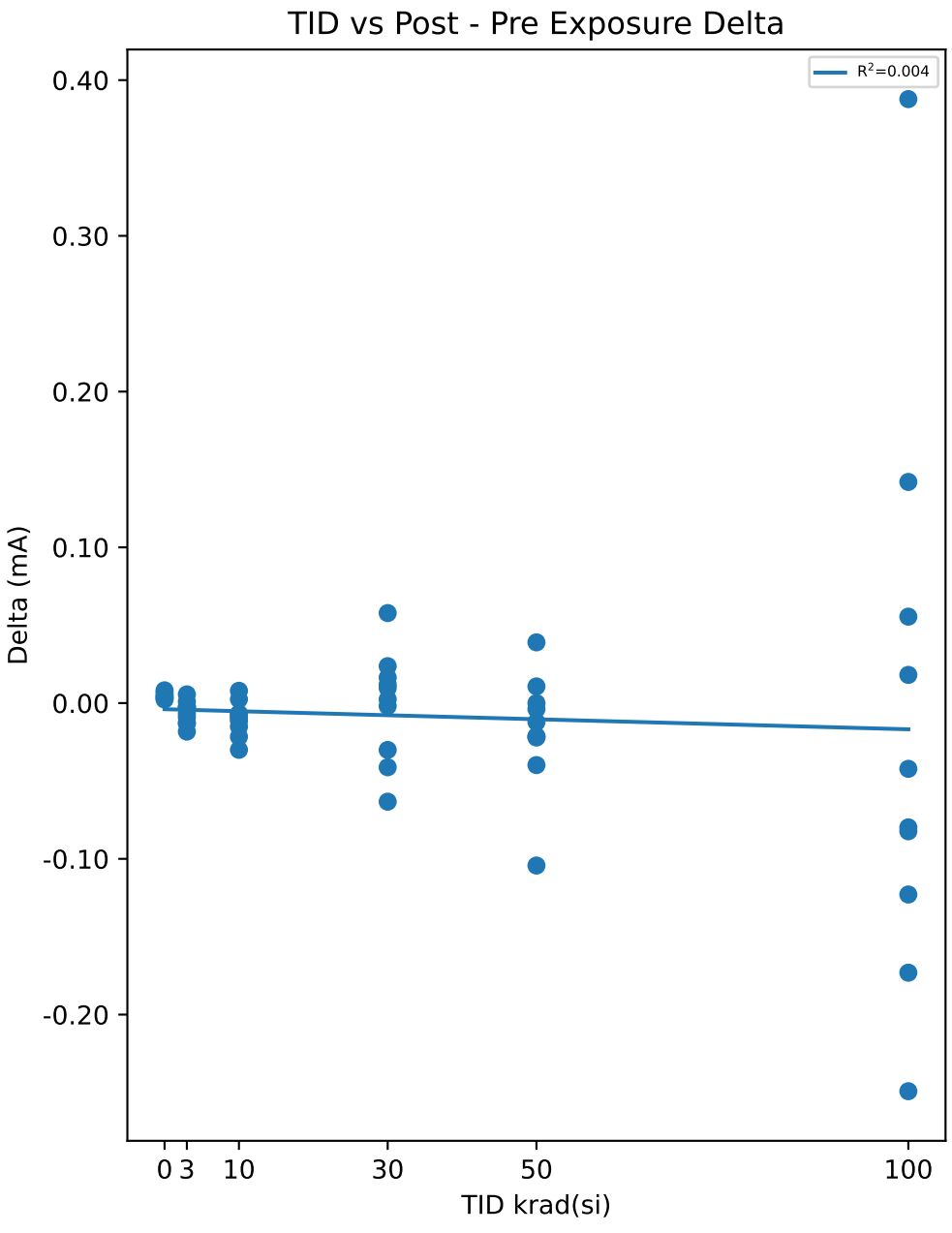
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	LDR Biased	2.0378	2.031	-0.0068
2	3	LDR Biased	1.9906	1.9847	-0.0059
3	3	LDR Biased	1.9863	1.9765	-0.0098
4	3	LDR Biased	1.9815	1.9787	-0.0028
5	3	LDR Biased	2.0006	1.9984	-0.0022
6	10	LDR Biased	1.9652	1.9571	-0.0081
7	10	LDR Biased	1.97	1.9543	-0.0157
8	10	LDR Biased	1.9655	1.954	-0.0115
9	10	LDR Biased	2.0027	1.9898	-0.0129
10	10	LDR Biased	1.9359	1.923	-0.0129
11	30	LDR Biased	1.9331	1.9108	-0.0223
12	30	LDR Biased	2.0384	2.0124	-0.026
13	30	LDR Biased	2.054	2.0342	-0.0198
14	30	LDR Biased	1.9846	1.973	-0.0116
15	30	LDR Biased	2.0052	1.9857	-0.0195
16	50	LDR Biased	1.9732	1.9549	-0.0183
17	50	LDR Biased	1.9523	1.9407	-0.0116
18	50	LDR Biased	2.0104	2.0019	-0.0085
19	50	LDR Biased	1.9903	1.9834	-0.0069
20	50	LDR Biased	2.0515	2.0349	-0.0166
21	100	LDR Biased	1.9871	1.9538	-0.0333
22	100	LDR Biased	2.0468	2.0089	-0.0379
23	100	LDR Biased	1.9595	1.9266	-0.0329
24	100	LDR Biased	1.9792	1.9472	-0.032
25	100	LDR Biased	2.0392	2.0131	-0.0261
26	3	LDR Unbiased	2.042	2.0373	-0.0047
27	3	LDR Unbiased	1.9369	1.9335	-0.0034
28	3	LDR Unbiased	1.9585	1.9583	-0.0002
29	3	LDR Unbiased	1.9331	1.9307	-0.0024
30	3	LDR Unbiased	1.9885	1.9887	0.0002
31	10	LDR Unbiased	1.9564	1.9444	-0.012
32	10	LDR Unbiased	2.0109	1.9997	-0.0112
33	10	LDR Unbiased	2.018	2.008	-0.01
34	10	LDR Unbiased	1.9668	1.9652	-0.0016
35	10	LDR Unbiased	1.9663	1.9601	-0.0062
36	30	LDR Unbiased	1.9869	1.9717	-0.0152
37	30	LDR Unbiased	1.9795	1.9562	-0.0233
38	30	LDR Unbiased	1.981	1.9708	-0.0102
39	30	LDR Unbiased	1.9954	1.9868	-0.0086
40	30	LDR Unbiased	2.0142	1.9992	-0.015
41	50	LDR Unbiased	1.9369	1.9235	-0.0134
42	50	LDR Unbiased	1.9893	1.9724	-0.0169
43	50	LDR Unbiased	1.9995	1.9847	-0.0148
44	50	LDR Unbiased	2.0419	2.0228	-0.0191
45	50	LDR Unbiased	1.9621	1.9448	-0.0173
46	100	LDR Unbiased	2.0026	1.9741	-0.0285
47	100	LDR Unbiased	1.9706	1.9383	-0.0323
48	100	LDR Unbiased	1.9652	1.9413	-0.0239
49	100	LDR Unbiased	2.0202	1.996	-0.0242
50	100	LDR Unbiased	2.038	2.0119	-0.0261
60	0	Correlation	2.0086	2.0118	0.0032
61	0	Correlation	2.0319	2.0343	0.0024
62	0	Correlation	1.954	1.9574	0.0034
63	0	Correlation	1.9867	1.9896	0.0029
64	0	Correlation	1.965	1.9688	0.0038
65	0	Correlation	1.955	1.9596	0.0046

Test Statistics (mA)

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	1.954	1.9835	2.0319	0.031647	1.9574	1.9869	2.0343	0.031039	0.0024	0.0033833	0.0046	0.00076004
3	1.9331	1.9856	2.042	0.036582	1.9307	1.9818	2.0373	0.035538	-0.0098	-0.0038	0.0002	0.0030706
10	1.9359	1.9758	2.018	0.026094	1.923	1.9656	2.008	0.026194	-0.0157	-0.01021	-0.0016	0.0040162
30	1.9331	1.9972	2.054	0.033713	1.9108	1.9801	2.0342	0.033321	-0.026	-0.01715	-0.0086	0.005924
50	1.9369	1.9907	2.0515	0.036937	1.9235	1.9764	2.0349	0.036352	-0.0191	-0.01434	-0.0069	0.0041743
100	1.9595	2.0008	2.0468	0.033155	1.9266	1.9711	2.0131	0.033831	-0.0379	-0.02972	-0.0239	0.0046396

Device Test: 12.17 _IDD|STATIC/PVIN/14////@PVIN_SHDN_CURR_14V





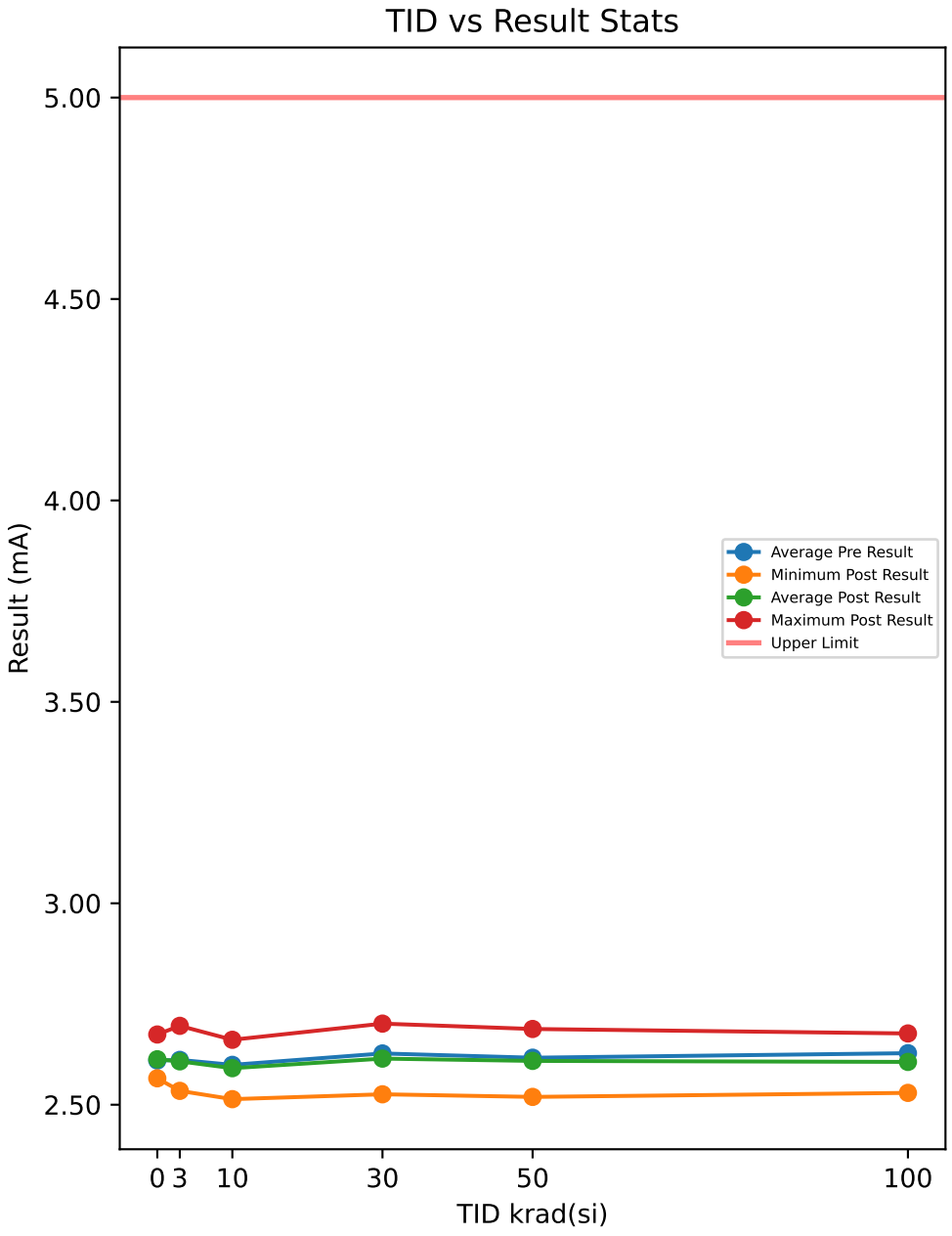
Test Results (Upper Limit = 4.7 (mA))

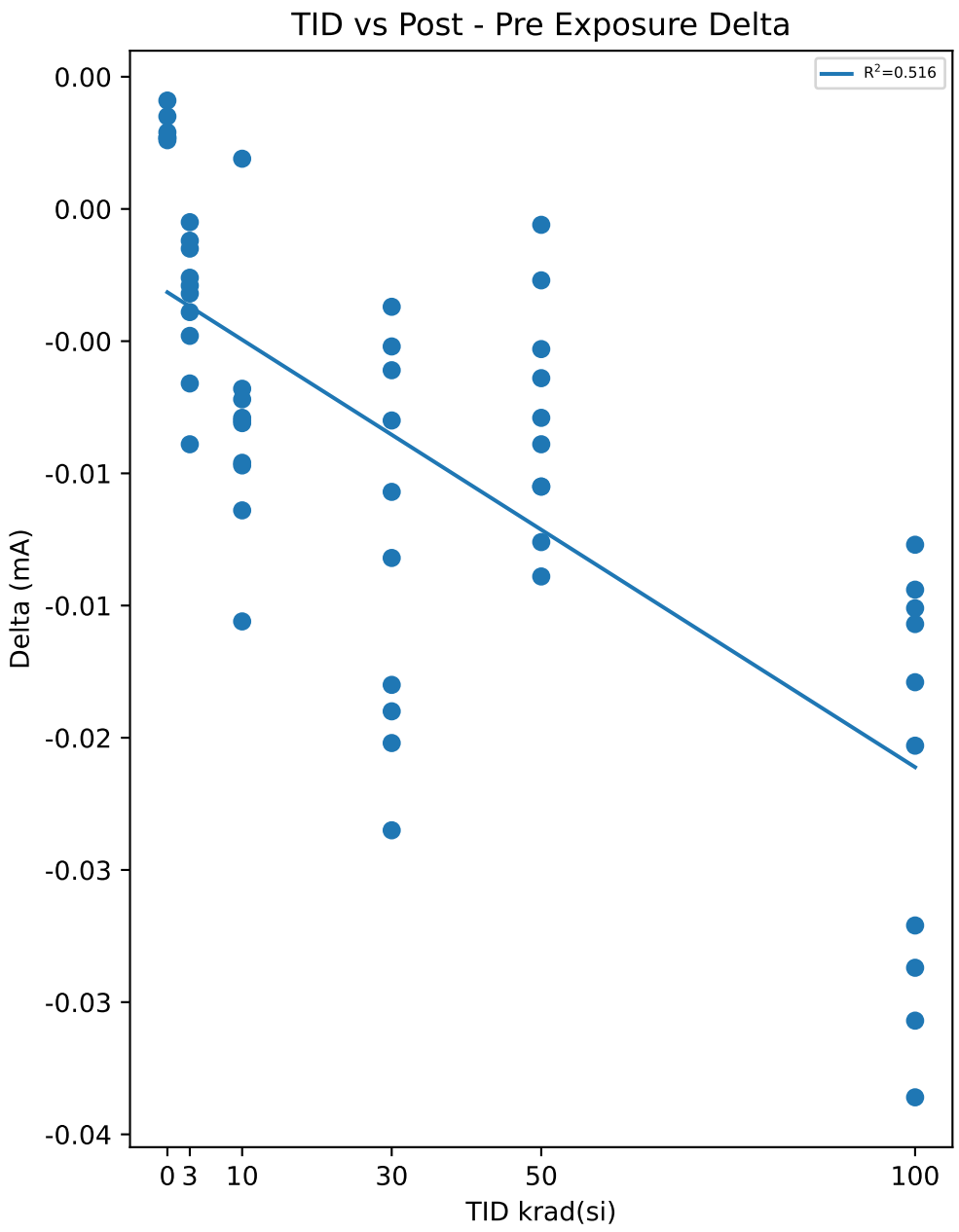
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	LDR Biased	3.5235	3.5107	-0.0128
2	3	LDR Biased	3.3794	3.3764	-0.003
3	3	LDR Biased	3.3666	3.3483	-0.0183
4	3	LDR Biased	3.5378	3.5352	-0.0026
5	3	LDR Biased	3.4743	3.4718	-0.0025
6	10	LDR Biased	3.3991	3.384	-0.0151
7	10	LDR Biased	3.4687	3.4604	-0.0083
8	10	LDR Biased	3.4611	3.4395	-0.0216
9	10	LDR Biased	3.4173	3.4076	-0.0097
10	10	LDR Biased	3.4393	3.4326	-0.0067
11	30	LDR Biased	3.5452	3.5433	-0.0019
12	30	LDR Biased	3.5287	3.4654	-0.0633
13	30	LDR Biased	3.4457	3.4156	-0.0301
14	30	LDR Biased	3.4712	3.43	-0.0412
15	30	LDR Biased	3.5052	3.5171	0.0119
16	50	LDR Biased	3.4042	3.2999	-0.1043
17	50	LDR Biased	3.4782	3.4889	0.0107
18	50	LDR Biased	3.4609	3.4571	-0.0038
19	50	LDR Biased	3.4784	3.457	-0.0214
20	50	LDR Biased	3.4469	3.4248	-0.0221
21	100	LDR Biased	3.4071	3.3248	-0.0823
22	100	LDR Biased	3.6375	3.7795	0.142
23	100	LDR Biased	3.4672	3.2941	-0.1731
24	100	LDR Biased	3.5106	3.4308	-0.0798
25	100	LDR Biased	3.4765	3.532	0.0555
26	3	LDR Unbiased	3.5908	3.5778	-0.013
27	3	LDR Unbiased	3.3528	3.3437	-0.0091
28	3	LDR Unbiased	3.3106	3.3115	0.0009
29	3	LDR Unbiased	3.4374	3.4305	-0.0069
30	3	LDR Unbiased	3.4881	3.4937	0.0056
31	10	LDR Unbiased	3.3447	3.3147	-0.03
32	10	LDR Unbiased	3.5397	3.532	-0.0077
33	10	LDR Unbiased	3.5034	3.5113	0.0079
34	10	LDR Unbiased	3.4657	3.4682	0.0025
35	10	LDR Unbiased	3.489	3.4776	-0.0114
36	30	LDR Unbiased	3.5672	3.625	0.0578
37	30	LDR Unbiased	3.5631	3.5868	0.0237
38	30	LDR Unbiased	3.5047	3.5071	0.0024
39	30	LDR Unbiased	3.5501	3.5598	0.0097
40	30	LDR Unbiased	3.3851	3.4015	0.0164
41	50	LDR Unbiased	3.3852	3.3454	-0.0398
42	50	LDR Unbiased	3.4025	3.3903	-0.0122
43	50	LDR Unbiased	3.5061	3.5451	0.039
44	50	LDR Unbiased	3.4682	3.4682	0
45	50	LDR Unbiased	3.4964	3.475	-0.0214
46	100	LDR Unbiased	3.4094	3.3672	-0.0422
47	100	LDR Unbiased	3.4347	3.4528	0.0181
48	100	LDR Unbiased	3.6966	4.0844	0.3878
49	100	LDR Unbiased	3.4678	3.2186	-0.2492
50	100	LDR Unbiased	3.458	3.3351	-0.1229
60	0	Correlation	3.42	3.4223	0.0023
61	0	Correlation	3.3784	3.3866	0.0082
62	0	Correlation	3.5379	3.5427	0.0048
63	0	Correlation	3.4318	3.4349	0.0031
64	0	Correlation	3.3459	3.3526	0.0067
65	0	Correlation	3.4222	3.4263	0.0041

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	3.3459	3.4227	3.5379	0.065149	3.3526	3.4276	3.5427	0.064245	0.0023	0.0048667	0.0082	0.0022259
3	3.3106	3.4461	3.5908	0.091777	3.3115	3.44	3.5778	0.091454	-0.0183	-0.00617	0.0056	0.0072391
10	3.3447	3.4528	3.5397	0.0557	3.3147	3.4428	3.532	0.063277	-0.03	-0.01001	0.0079	0.010844
30	3.3851	3.5066	3.5672	0.058181	3.4015	3.5052	3.625	0.075726	-0.0633	-0.00146	0.0578	0.034969
50	3.3852	3.4527	3.5061	0.041955	3.2999	3.4352	3.5451	0.072329	-0.1043	-0.01753	0.039	0.037406
100	3.4071	3.4965	3.6966	0.09608	3.2186	3.4819	4.0844	0.26279	-0.2492	-0.01461	0.3878	0.18071

Device Test: 12.18 _IQ|STATIC/VIN/14////@IQ_VIN





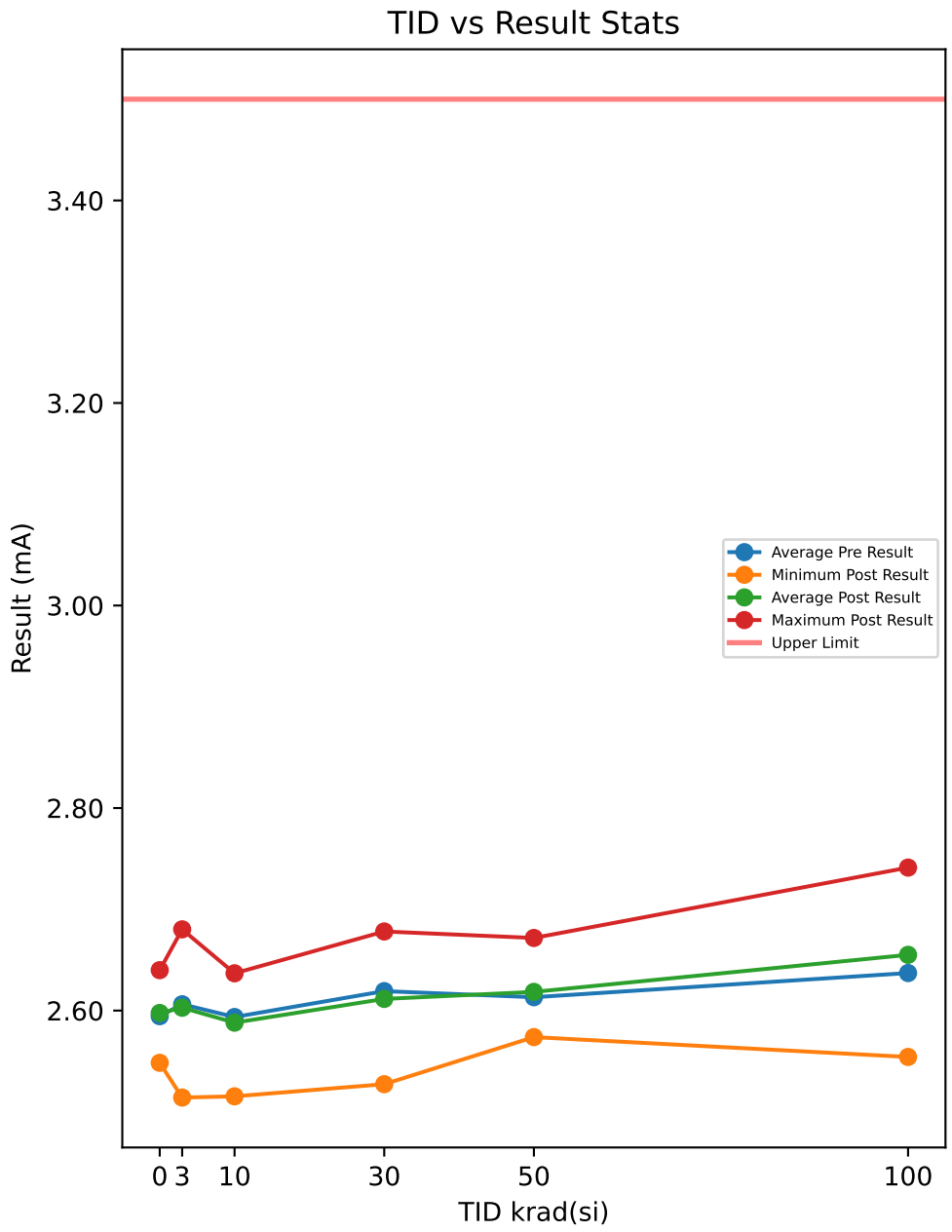
Test Results (Upper Limit = 5.0 (mA))

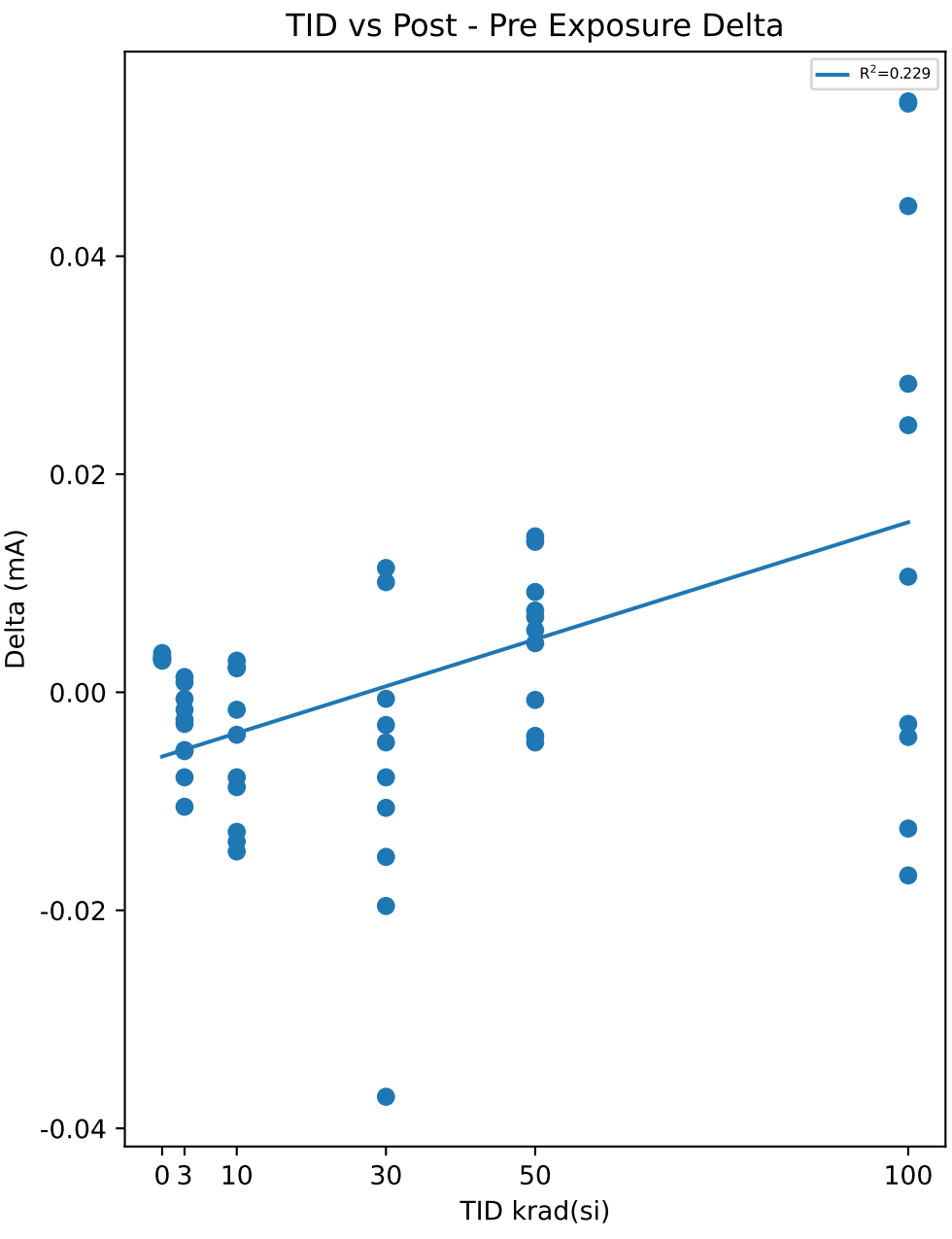
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	LDR Biased	2.6838	2.6772	-0.0066
2	3	LDR Biased	2.6228	2.618	-0.0048
3	3	LDR Biased	2.6102	2.6013	-0.0089
4	3	LDR Biased	2.6061	2.6035	-0.0026
5	3	LDR Biased	2.6208	2.6179	-0.0029
6	10	LDR Biased	2.5881	2.5809	-0.0072
7	10	LDR Biased	2.6069	2.5913	-0.0156
8	10	LDR Biased	2.5654	2.5573	-0.0081
9	10	LDR Biased	2.6376	2.6262	-0.0114
10	10	LDR Biased	2.5235	2.5138	-0.0097
11	30	LDR Biased	2.5439	2.5259	-0.018
12	30	LDR Biased	2.6876	2.6641	-0.0235
13	30	LDR Biased	2.7145	2.7013	-0.0132
14	30	LDR Biased	2.5788	2.5727	-0.0061
15	30	LDR Biased	2.6319	2.6117	-0.0202
16	50	LDR Biased	2.5936	2.5797	-0.0139
17	50	LDR Biased	2.5575	2.5496	-0.0079
18	50	LDR Biased	2.6535	2.6508	-0.0027
19	50	LDR Biased	2.6085	2.6079	-0.0006
20	50	LDR Biased	2.6985	2.688	-0.0105
21	100	LDR Biased	2.6036	2.5765	-0.0271
22	100	LDR Biased	2.7075	2.6739	-0.0336
23	100	LDR Biased	2.5581	2.5294	-0.0287
24	100	LDR Biased	2.5953	2.5646	-0.0307
25	100	LDR Biased	2.6972	2.6769	-0.0203
26	3	LDR Unbiased	2.6997	2.6958	-0.0039
27	3	LDR Unbiased	2.5376	2.5344	-0.0032
28	3	LDR Unbiased	2.5715	2.571	-0.0005
29	3	LDR Unbiased	2.5424	2.5409	-0.0015
30	3	LDR Unbiased	2.6178	2.6166	-0.0012
31	10	LDR Unbiased	2.5609	2.5513	-0.0096
32	10	LDR Unbiased	2.6574	2.6495	-0.0079
33	10	LDR Unbiased	2.6692	2.6612	-0.008
34	10	LDR Unbiased	2.5851	2.587	0.0019
35	10	LDR Unbiased	2.5955	2.5887	-0.0068
36	30	LDR Unbiased	2.6179	2.6099	-0.008
37	30	LDR Unbiased	2.5947	2.5757	-0.019
38	30	LDR Unbiased	2.6156	2.6104	-0.0052
39	30	LDR Unbiased	2.6138	2.6101	-0.0037
40	30	LDR Unbiased	2.6736	2.6629	-0.0107
41	50	LDR Unbiased	2.5258	2.5194	-0.0064
42	50	LDR Unbiased	2.6181	2.6128	-0.0053
43	50	LDR Unbiased	2.6258	2.6153	-0.0105
44	50	LDR Unbiased	2.6916	2.679	-0.0126
45	50	LDR Unbiased	2.5942	2.5853	-0.0089
46	100	LDR Unbiased	2.6123	2.5944	-0.0179
47	100	LDR Unbiased	2.5916	2.5759	-0.0157
48	100	LDR Unbiased	2.5618	2.5474	-0.0144
49	100	LDR Unbiased	2.6749	2.6622	-0.0127
50	100	LDR Unbiased	2.6767	2.6616	-0.0151
60	0	Correlation	2.6622	2.6651	0.0029
61	0	Correlation	2.6717	2.6743	0.0026
62	0	Correlation	2.5674	2.5701	0.0027
63	0	Correlation	2.6171	2.6198	0.0027
64	0	Correlation	2.5786	2.5821	0.0035
65	0	Correlation	2.5615	2.5656	0.0041

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	2.5615	2.6098	2.6717	0.048445	2.5656	2.6128	2.6743	0.048084	0.0026	0.0030833	0.0041	0.0005947
3	2.5376	2.6113	2.6997	0.052838	2.5344	2.6077	2.6958	0.051771	-0.0089	-0.00361	-0.0005	0.002583
10	2.5235	2.599	2.6692	0.045333	2.5138	2.5907	2.6612	0.045195	-0.0156	-0.00824	0.0019	0.0044008
30	2.5439	2.6272	2.7145	0.051836	2.5259	2.6145	2.7013	0.051104	-0.0235	-0.01276	-0.0037	0.0070536
50	2.5258	2.6167	2.6985	0.05438	2.5194	2.6088	2.688	0.053665	-0.0139	-0.00793	-0.0006	0.0042419
100	2.5581	2.6279	2.7075	0.055961	2.5294	2.6063	2.6769	0.056581	-0.0336	-0.02162	-0.0127	0.0076808

Device Test: 12.2 _IDD|STATIC/PVIN/4.5////@PVIN_SHDN_CURR_4V





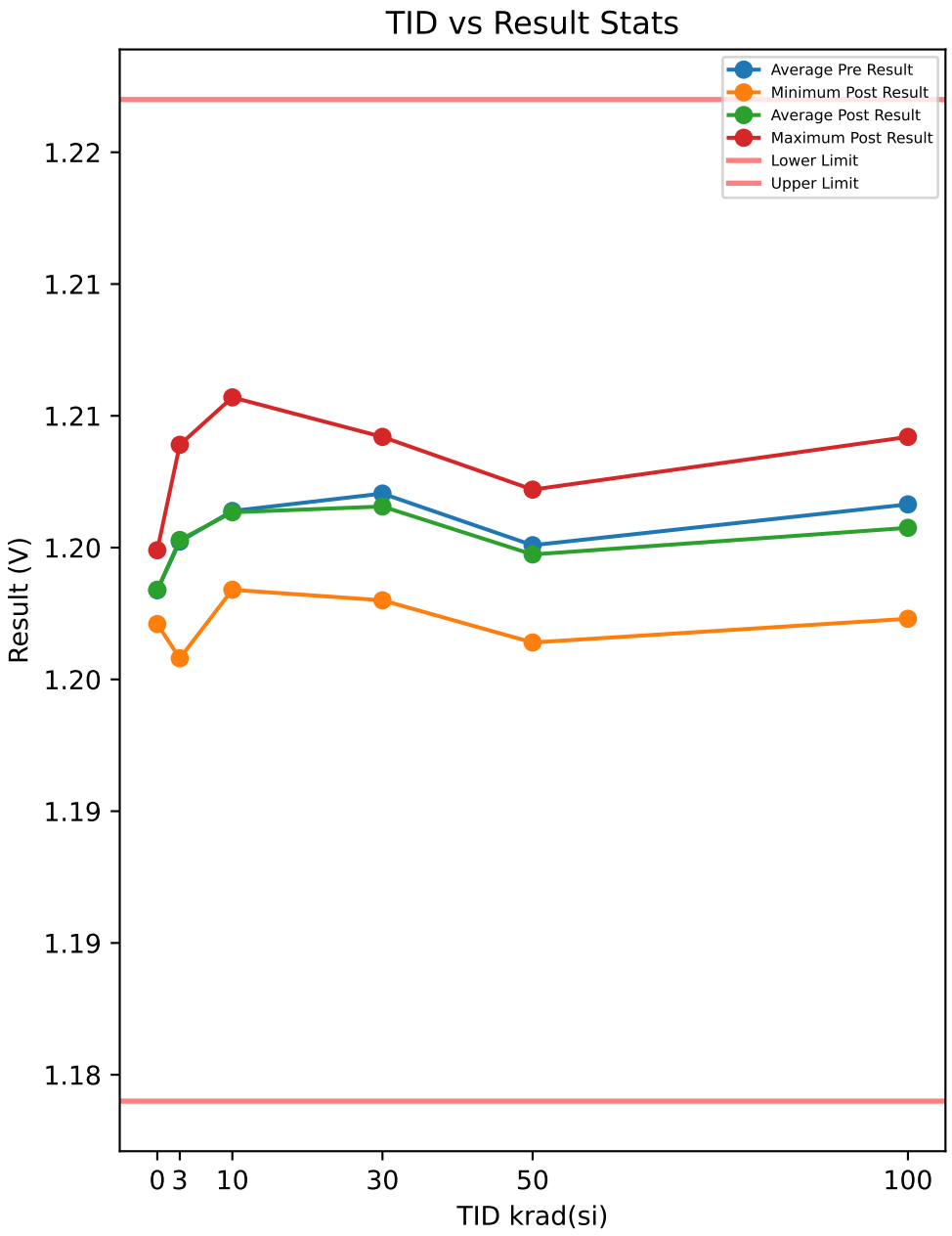
Test Results (Upper Limit = 3.5 (mA))

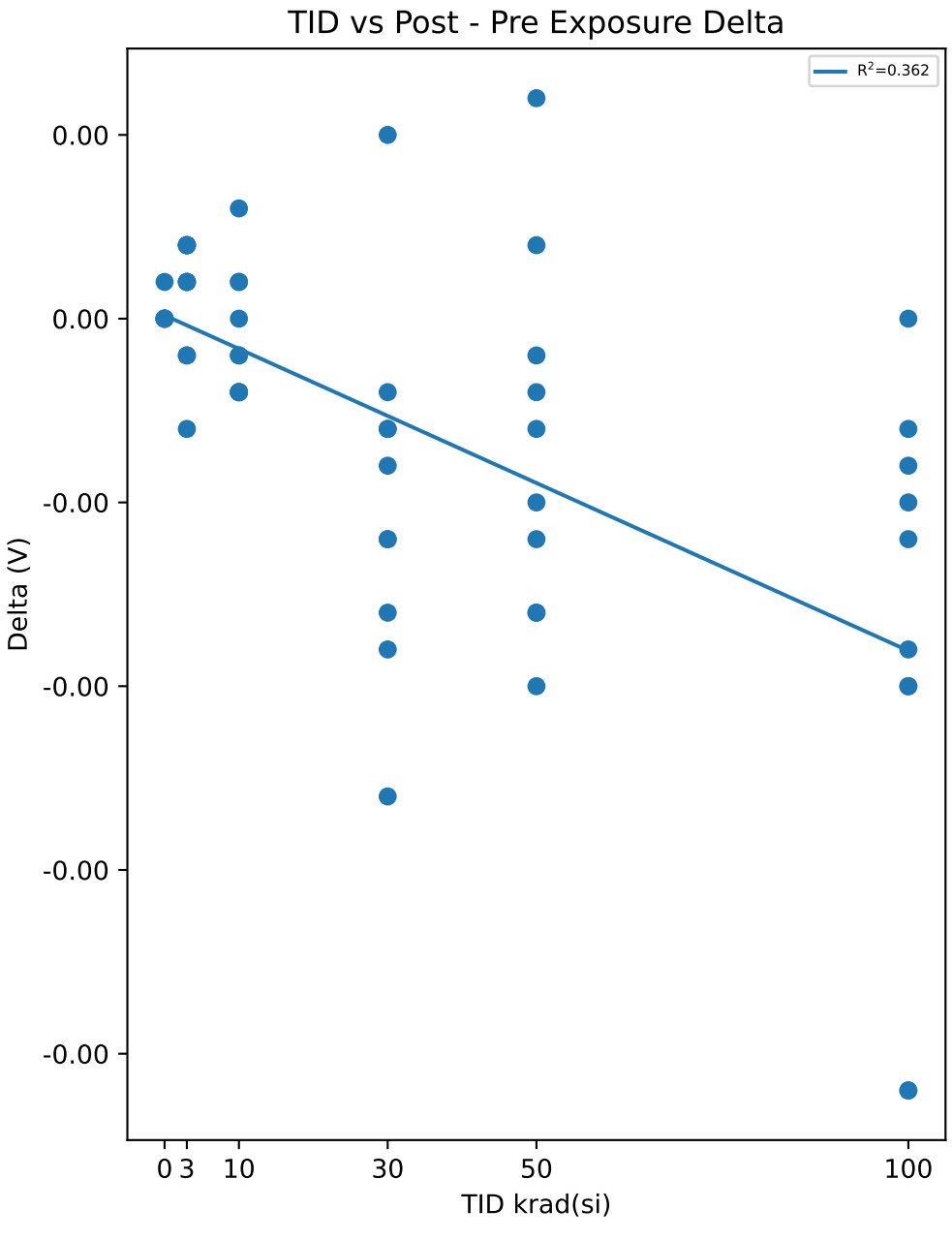
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	LDR Biased	2.6856	2.6802	-0.0054
2	3	LDR Biased	2.557	2.5541	-0.0029
3	3	LDR Biased	2.5755	2.5677	-0.0078
4	3	LDR Biased	2.6646	2.6621	-0.0025
5	3	LDR Biased	2.6245	2.6239	-0.0006
6	10	LDR Biased	2.5622	2.5494	-0.0128
7	10	LDR Biased	2.6014	2.5927	-0.0087
8	10	LDR Biased	2.616	2.6023	-0.0137
9	10	LDR Biased	2.5865	2.5787	-0.0078
10	10	LDR Biased	2.5645	2.5606	-0.0039
11	30	LDR Biased	2.6599	2.6493	-0.0106
12	30	LDR Biased	2.6524	2.6153	-0.0371
13	30	LDR Biased	2.6097	2.5901	-0.0196
14	30	LDR Biased	2.6702	2.6551	-0.0151
15	30	LDR Biased	2.6013	2.6114	0.0101
16	50	LDR Biased	2.6142	2.6187	0.0045
17	50	LDR Biased	2.6261	2.6318	0.0057
18	50	LDR Biased	2.6337	2.6475	0.0138
19	50	LDR Biased	2.5697	2.5766	0.0069
20	50	LDR Biased	2.6016	2.5976	-0.004
21	100	LDR Biased	2.5802	2.6248	0.0446
22	100	LDR Biased	2.6653	2.6936	0.0283
23	100	LDR Biased	2.687	2.7412	0.0542
24	100	LDR Biased	2.6797	2.6756	-0.0041
25	100	LDR Biased	2.5971	2.6511	0.054
26	3	LDR Unbiased	2.6753	2.6737	-0.0016
27	3	LDR Unbiased	2.5194	2.5141	-0.0053
28	3	LDR Unbiased	2.5418	2.5432	0.0014
29	3	LDR Unbiased	2.5675	2.557	-0.0105
30	3	LDR Unbiased	2.651	2.6519	0.0009
31	10	LDR Unbiased	2.5299	2.5153	-0.0146
32	10	LDR Unbiased	2.6384	2.6368	-0.0016
33	10	LDR Unbiased	2.5878	2.5907	0.0029
34	10	LDR Unbiased	2.6319	2.6342	0.0023
35	10	LDR Unbiased	2.6178	2.62	0.0022
36	30	LDR Unbiased	2.567	2.5592	-0.0078
37	30	LDR Unbiased	2.6406	2.636	-0.0046
38	30	LDR Unbiased	2.5939	2.5933	-0.0006
39	30	LDR Unbiased	2.6667	2.6781	0.0114
40	30	LDR Unbiased	2.5303	2.5273	-0.003
41	50	LDR Unbiased	2.5663	2.5738	0.0075
42	50	LDR Unbiased	2.6157	2.615	-0.0007
43	50	LDR Unbiased	2.59	2.5992	0.0092
44	50	LDR Unbiased	2.6383	2.6526	0.0143
45	50	LDR Unbiased	2.6763	2.6717	-0.0046
46	100	LDR Unbiased	2.6252	2.6358	0.0106
47	100	LDR Unbiased	2.5667	2.5542	-0.0125
48	100	LDR Unbiased	2.6353	2.6324	-0.0029
49	100	LDR Unbiased	2.6862	2.6694	-0.0168
50	100	LDR Unbiased	2.6479	2.6724	0.0245
60	0	Correlation	2.637	2.6399	0.0029
61	0	Correlation	2.5453	2.5484	0.0031
62	0	Correlation	2.6194	2.6225	0.0031
63	0	Correlation	2.6109	2.6139	0.003
64	0	Correlation	2.5473	2.5506	0.0033
65	0	Correlation	2.6068	2.6104	0.0036

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	2.5453	2.5945	2.637	0.038717	2.5484	2.5976	2.6399	0.038648	0.0029	0.0031667	0.0036	0.00025033
3	2.5194	2.6062	2.6856	0.060895	2.5141	2.6028	2.6802	0.061924	-0.0105	-0.00343	0.0014	0.0038158
10	2.5299	2.5936	2.6384	0.034313	2.5153	2.5881	2.6368	0.038566	-0.0146	-0.00557	0.0029	0.0068903
30	2.5303	2.6192	2.6702	0.046848	2.5273	2.6115	2.6781	0.04594	-0.0371	-0.00769	0.0114	0.014271
50	2.5663	2.6132	2.6763	0.033284	2.5738	2.6185	2.6717	0.032636	-0.0046	0.00526	0.0143	0.0066428
100	2.5667	2.6371	2.687	0.044179	2.5542	2.6551	2.7412	0.049241	-0.0168	0.01799	0.0542	0.027046

Device Test: 12.20 _LEVEL|STATIC/REFCAP/14////@VBANDGAP





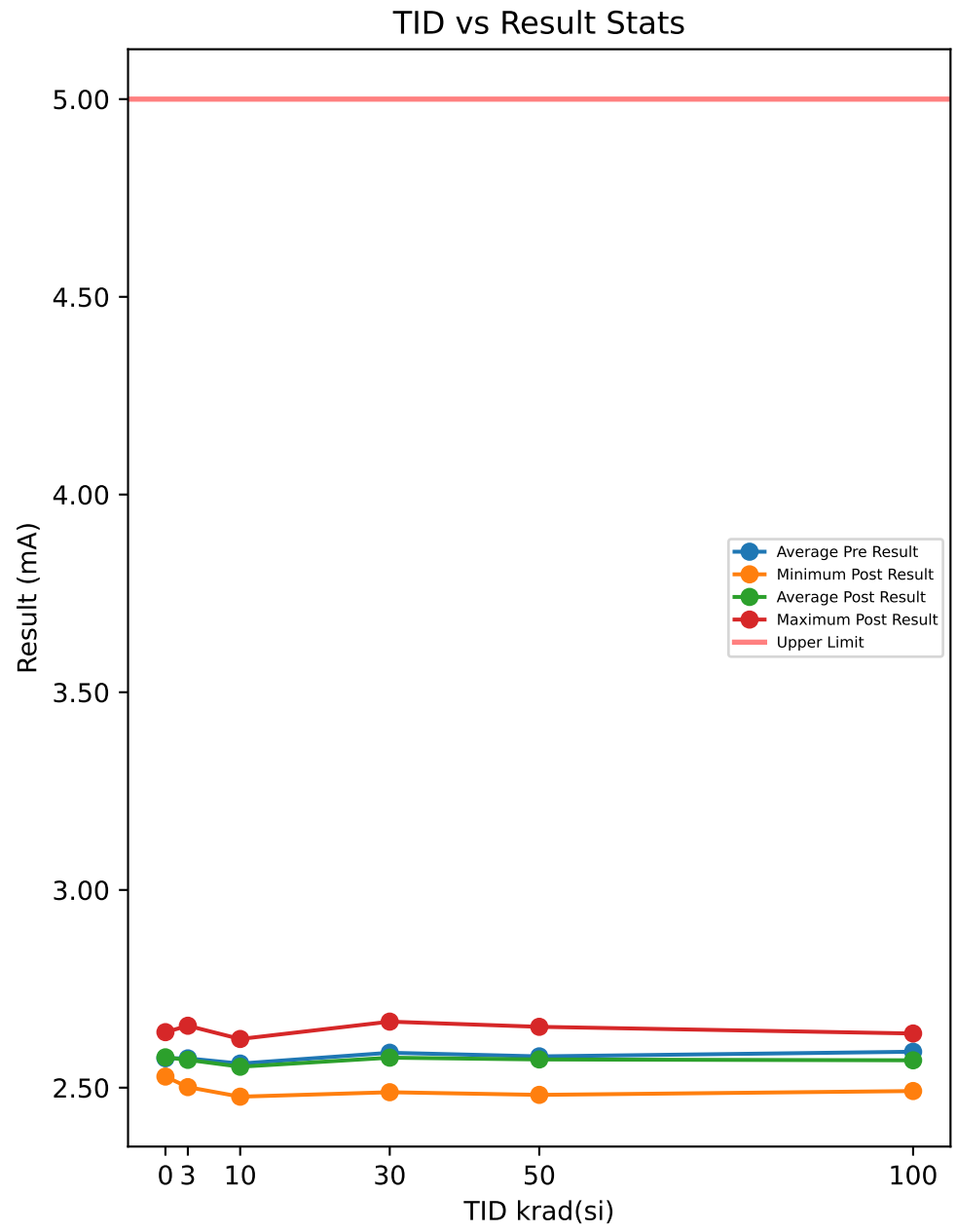
Test Results (Lower Limit = 1.184, Upper Limit = 1.222 (V))

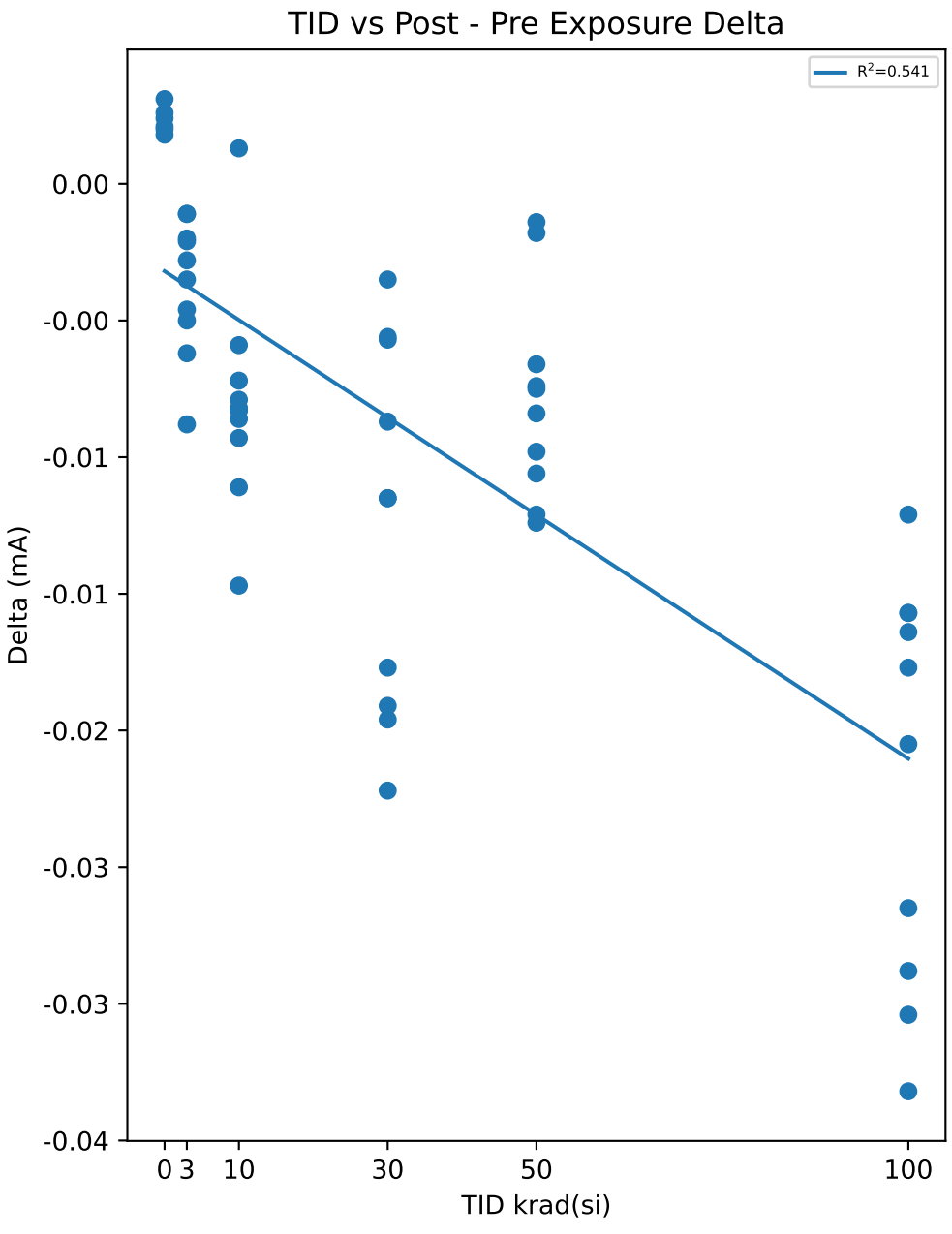
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	LDR Biased	1.209	1.2089	-0.0001
2	3	LDR Biased	1.2076	1.2073	-0.0003
3	3	LDR Biased	1.2079	1.2078	-0.0001
4	3	LDR Biased	1.2062	1.2063	0.0001
5	3	LDR Biased	1.2012	1.2014	0.0002
6	10	LDR Biased	1.2041	1.2041	0
7	10	LDR Biased	1.2035	1.2034	-0.0001
8	10	LDR Biased	1.2079	1.208	0.0001
9	10	LDR Biased	1.2077	1.2076	-0.0001
10	10	LDR Biased	1.2034	1.2037	0.0003
11	30	LDR Biased	1.2073	1.207	-0.0003
12	30	LDR Biased	1.2098	1.2092	-0.0006
13	30	LDR Biased	1.2075	1.2066	-0.0009
14	30	LDR Biased	1.208	1.2076	-0.0004
15	30	LDR Biased	1.2054	1.2051	-0.0003
16	50	LDR Biased	1.2059	1.2053	-0.0006
17	50	LDR Biased	1.2069	1.2068	-0.0001
18	50	LDR Biased	1.2028	1.2025	-0.0003
19	50	LDR Biased	1.2061	1.2051	-0.001
20	50	LDR Biased	1.2022	1.2014	-0.0008
21	100	LDR Biased	1.2077	1.2068	-0.0009
22	100	LDR Biased	1.209	1.208	-0.001
23	100	LDR Biased	1.2049	1.2043	-0.0006
24	100	LDR Biased	1.2068	1.2047	-0.0021
25	100	LDR Biased	1.2089	1.2068	-0.0021
26	3	LDR Unbiased	1.2064	1.2065	0.0001
27	3	LDR Unbiased	1.2074	1.2076	0.0002
28	3	LDR Unbiased	1.2012	1.2014	0.0002
29	3	LDR Unbiased	1.2048	1.2049	0.0001
30	3	LDR Unbiased	1.2006	1.2008	0.0002
31	10	LDR Unbiased	1.2046	1.2044	-0.0002
32	10	LDR Unbiased	1.2084	1.2082	-0.0002
33	10	LDR Unbiased	1.2109	1.2107	-0.0002
34	10	LDR Unbiased	1.2078	1.2079	0.0001
35	10	LDR Unbiased	1.2056	1.2054	-0.0002
36	30	LDR Unbiased	1.2036	1.203	-0.0006
37	30	LDR Unbiased	1.2088	1.208	-0.0008
38	30	LDR Unbiased	1.2056	1.2054	-0.0002
39	30	LDR Unbiased	1.2074	1.2079	0.0005
40	30	LDR Unbiased	1.2071	1.2058	-0.0013
41	50	LDR Unbiased	1.2042	1.2044	0.0002
42	50	LDR Unbiased	1.2061	1.2053	-0.0008
43	50	LDR Unbiased	1.2066	1.2072	0.0006
44	50	LDR Unbiased	1.2045	1.2043	-0.0002
45	50	LDR Unbiased	1.2056	1.2051	-0.0005
46	100	LDR Unbiased	1.2096	1.2092	-0.0004
47	100	LDR Unbiased	1.2039	1.2039	0
48	100	LDR Unbiased	1.2065	1.206	-0.0005
49	100	LDR Unbiased	1.2033	1.2023	-0.001
50	100	LDR Unbiased	1.2058	1.2055	-0.0003
60	0	Correlation	1.2036	1.2036	0
61	0	Correlation	1.2031	1.2031	0
62	0	Correlation	1.2049	1.2049	0
63	0	Correlation	1.2041	1.2041	0
64	0	Correlation	1.2025	1.2026	0.0001
65	0	Correlation	1.2021	1.2021	0

Test Statistics (V)

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	1.2021	1.2034	1.2049	0.0010362	1.2021	1.2034	1.2049	0.0010198	0	1.6667e-05	0.0001	4.0825e-05
3	1.2006	1.2052	1.209	0.0031284	1.2008	1.2053	1.2089	0.0030142	-0.0003	6e-05	0.0002	0.00017127
10	1.2034	1.2064	1.2109	0.0025106	1.2034	1.2063	1.2107	0.0024613	-0.0002	-5e-05	0.0003	0.00017159
30	1.2036	1.2071	1.2098	0.001784	1.203	1.2066	1.2092	0.0017902	-0.0013	-0.00049	0.0005	0.00048178
50	1.2022	1.2051	1.2069	0.0016072	1.2014	1.2047	1.2072	0.0017532	-0.001	-0.00035	0.0006	0.00049497
100	1.2033	1.2066	1.2096	0.0021859	1.2023	1.2058	1.2092	0.0020501	-0.0021	-0.00089	0	0.00071251

Device Test: 12.3 _IQ|STATIC/VIN/4.5////@IQ_VIN





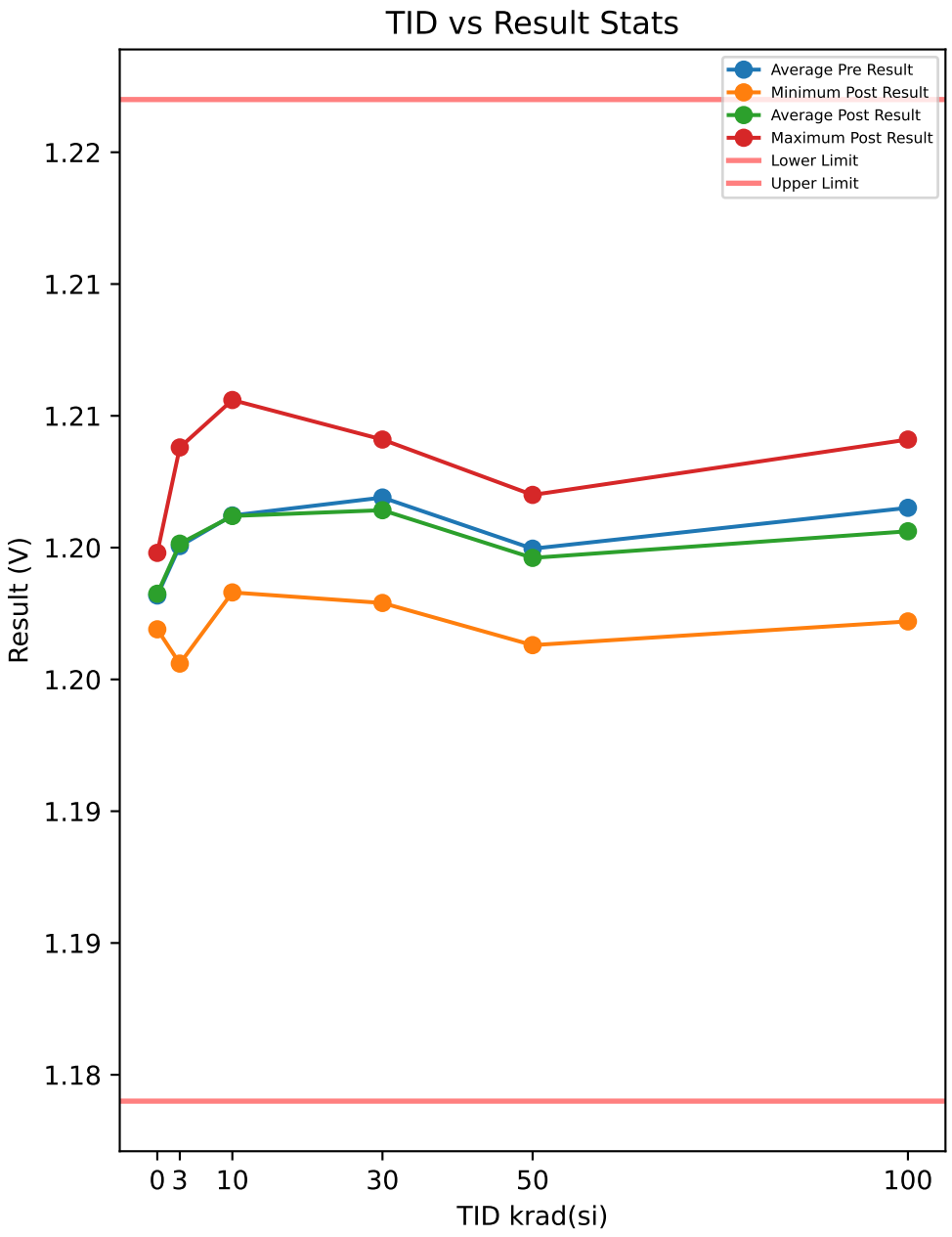
Test Results (Upper Limit = 5.0 (mA))

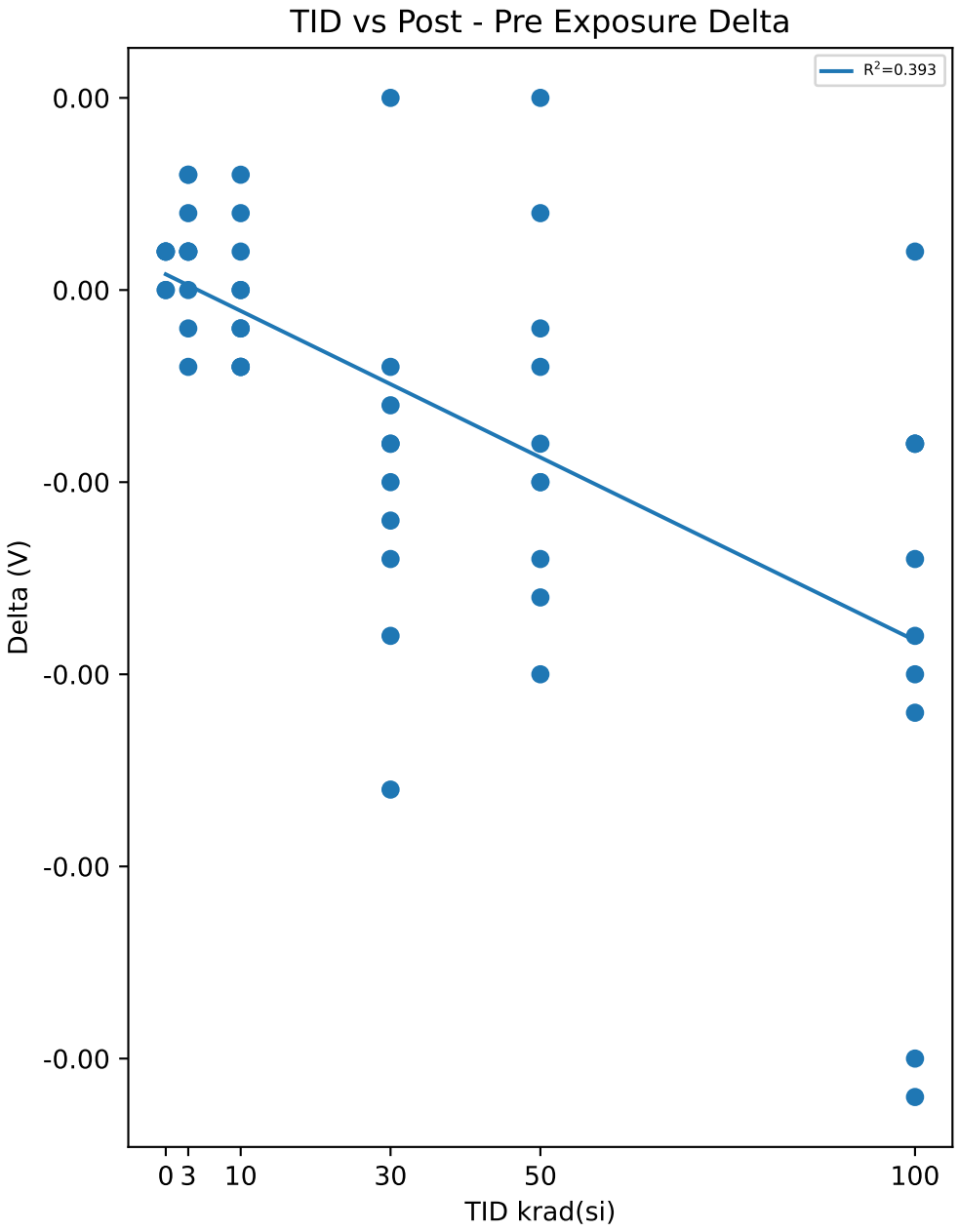
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	LDR Biased	2.6471	2.6409	-0.0062
2	3	LDR Biased	2.5856	2.5806	-0.005
3	3	LDR Biased	2.5683	2.5595	-0.0088
4	3	LDR Biased	2.5655	2.5627	-0.0028
5	3	LDR Biased	2.5829	2.5808	-0.0021
6	10	LDR Biased	2.5533	2.5461	-0.0072
7	10	LDR Biased	2.5664	2.5517	-0.0147
8	10	LDR Biased	2.5245	2.5166	-0.0079
9	10	LDR Biased	2.6002	2.5891	-0.0111
10	10	LDR Biased	2.4865	2.4772	-0.0093
11	30	LDR Biased	2.5062	2.4885	-0.0177
12	30	LDR Biased	2.6482	2.626	-0.0222
13	30	LDR Biased	2.6785	2.667	-0.0115
14	30	LDR Biased	2.5389	2.5332	-0.0057
15	30	LDR Biased	2.5918	2.5722	-0.0196
16	50	LDR Biased	2.5521	2.5397	-0.0124
17	50	LDR Biased	2.5172	2.5097	-0.0075
18	50	LDR Biased	2.6203	2.6189	-0.0014
19	50	LDR Biased	2.5734	2.5716	-0.0018
20	50	LDR Biased	2.6623	2.6539	-0.0084
21	100	LDR Biased	2.5674	2.5409	-0.0265
22	100	LDR Biased	2.6696	2.6364	-0.0332
23	100	LDR Biased	2.5203	2.4915	-0.0288
24	100	LDR Biased	2.5605	2.5301	-0.0304
25	100	LDR Biased	2.6575	2.637	-0.0205
26	3	LDR Unbiased	2.6612	2.6566	-0.0046
27	3	LDR Unbiased	2.5049	2.5014	-0.0035
28	3	LDR Unbiased	2.5347	2.5336	-0.0011
29	3	LDR Unbiased	2.5067	2.5047	-0.002
30	3	LDR Unbiased	2.5836	2.5825	-0.0011
31	10	LDR Unbiased	2.5243	2.5157	-0.0086
32	10	LDR Unbiased	2.6177	2.6094	-0.0083
33	10	LDR Unbiased	2.6313	2.6231	-0.0082
34	10	LDR Unbiased	2.5464	2.5477	0.0013
35	10	LDR Unbiased	2.5589	2.553	-0.0059
36	30	LDR Unbiased	2.5803	2.5716	-0.0087
37	30	LDR Unbiased	2.5527	2.5336	-0.0191
38	30	LDR Unbiased	2.5782	2.5726	-0.0056
39	30	LDR Unbiased	2.5746	2.5711	-0.0035
40	30	LDR Unbiased	2.6342	2.6227	-0.0115
41	50	LDR Unbiased	2.4892	2.4818	-0.0074
42	50	LDR Unbiased	2.584	2.5774	-0.0066
43	50	LDR Unbiased	2.5857	2.5751	-0.0106
44	50	LDR Unbiased	2.6544	2.6423	-0.0121
45	50	LDR Unbiased	2.553	2.5432	-0.0098
46	100	LDR Unbiased	2.573	2.5553	-0.0177
47	100	LDR Unbiased	2.5535	2.5371	-0.0164
48	100	LDR Unbiased	2.5248	2.5091	-0.0157
49	100	LDR Unbiased	2.6368	2.6247	-0.0121
50	100	LDR Unbiased	2.6457	2.63	-0.0157
60	0	Correlation	2.6266	2.6292	0.0026
61	0	Correlation	2.6386	2.6404	0.0018
62	0	Correlation	2.5302	2.5326	0.0024
63	0	Correlation	2.5823	2.5844	0.0021
64	0	Correlation	2.5424	2.5455	0.0031
65	0	Correlation	2.5261	2.5281	0.002

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	2.5261	2.5744	2.6386	0.049436	2.5281	2.5767	2.6404	0.049302	0.0018	0.0023333	0.0031	0.00047188
3	2.5049	2.5741	2.6612	0.051862	2.5014	2.5703	2.6566	0.050956	-0.0088	-0.00372	-0.0011	0.0024625
10	2.4865	2.561	2.6313	0.045005	2.4772	2.553	2.6231	0.044644	-0.0147	-0.00799	0.0013	0.0040583
30	2.5062	2.5884	2.6785	0.052329	2.4885	2.5758	2.667	0.05198	-0.0222	-0.01251	-0.0035	0.0067197
50	2.4892	2.5792	2.6623	0.055491	2.4818	2.5714	2.6539	0.055552	-0.0124	-0.0078	-0.0014	0.0038079
100	2.5203	2.5909	2.6696	0.056064	2.4915	2.5692	2.637	0.056855	-0.0332	-0.0217	-0.0121	0.0073868

Device Test: 12.5 _LEVEL|STATIC/REFCAP/4.5////@VBANDGAP





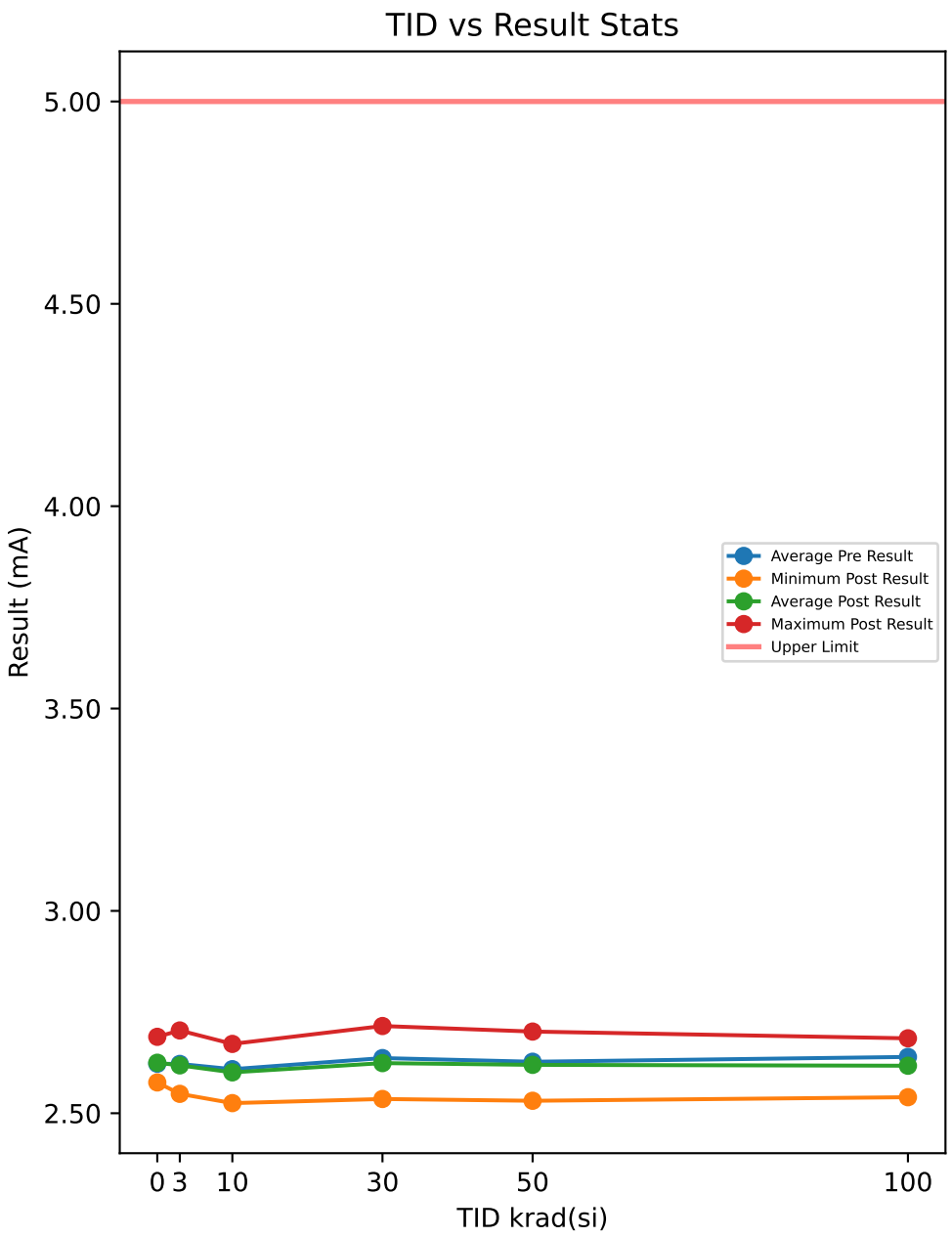
Test Results (Lower Limit = 1.184, Upper Limit = 1.222 (V))

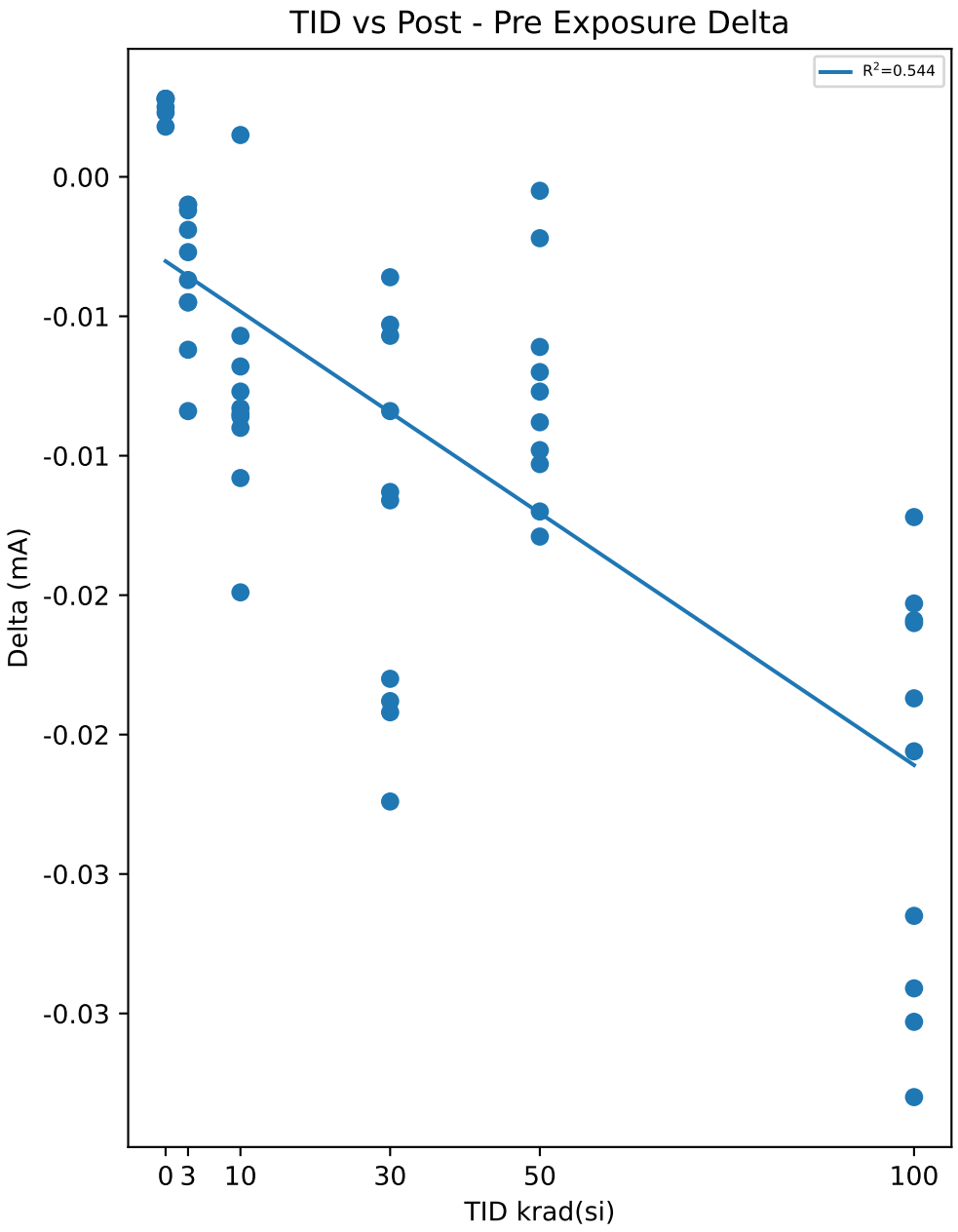
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	LDR Biased	1.2088	1.2088	0
2	3	LDR Biased	1.2074	1.2072	-0.0002
3	3	LDR Biased	1.2078	1.2077	-0.0001
4	3	LDR Biased	1.206	1.2062	0.0002
5	3	LDR Biased	1.2011	1.2012	0.0001
6	10	LDR Biased	1.2039	1.2039	0
7	10	LDR Biased	1.2033	1.2033	0
8	10	LDR Biased	1.2077	1.2079	0.0002
9	10	LDR Biased	1.2075	1.2074	-0.0001
10	10	LDR Biased	1.2032	1.2035	0.0003
11	30	LDR Biased	1.2071	1.2068	-0.0003
12	30	LDR Biased	1.2097	1.2091	-0.0006
13	30	LDR Biased	1.2074	1.2065	-0.0009
14	30	LDR Biased	1.2079	1.2075	-0.0004
15	30	LDR Biased	1.2053	1.2049	-0.0004
16	50	LDR Biased	1.2057	1.2052	-0.0005
17	50	LDR Biased	1.2067	1.2066	-0.0001
18	50	LDR Biased	1.2027	1.2023	-0.0004
19	50	LDR Biased	1.206	1.205	-0.001
20	50	LDR Biased	1.202	1.2013	-0.0007
21	100	LDR Biased	1.2076	1.2067	-0.0009
22	100	LDR Biased	1.2089	1.2078	-0.0011
23	100	LDR Biased	1.2048	1.2041	-0.0007
24	100	LDR Biased	1.2067	1.2046	-0.0021
25	100	LDR Biased	1.2087	1.2067	-0.002
26	3	LDR Unbiased	1.2062	1.2063	0.0001
27	3	LDR Unbiased	1.2072	1.2075	0.0003
28	3	LDR Unbiased	1.201	1.2013	0.0003
29	3	LDR Unbiased	1.2046	1.2047	0.0001
30	3	LDR Unbiased	1.2005	1.2006	0.0001
31	10	LDR Unbiased	1.2044	1.2042	-0.0002
32	10	LDR Unbiased	1.2082	1.2081	-0.0001
33	10	LDR Unbiased	1.2108	1.2106	-0.0002
34	10	LDR Unbiased	1.2077	1.2078	0.0001
35	10	LDR Unbiased	1.2055	1.2053	-0.0002
36	30	LDR Unbiased	1.2034	1.2029	-0.0005
37	30	LDR Unbiased	1.2086	1.2079	-0.0007
38	30	LDR Unbiased	1.2054	1.2052	-0.0002
39	30	LDR Unbiased	1.2073	1.2078	0.0005
40	30	LDR Unbiased	1.2069	1.2056	-0.0013
41	50	LDR Unbiased	1.2041	1.2043	0.0002
42	50	LDR Unbiased	1.206	1.2052	-0.0008
43	50	LDR Unbiased	1.2065	1.207	0.0005
44	50	LDR Unbiased	1.2044	1.2042	-0.0002
45	50	LDR Unbiased	1.2055	1.205	-0.0005
46	100	LDR Unbiased	1.2095	1.2091	-0.0004
47	100	LDR Unbiased	1.2037	1.2038	0.0001
48	100	LDR Unbiased	1.2063	1.2059	-0.0004
49	100	LDR Unbiased	1.2032	1.2022	-0.001
50	100	LDR Unbiased	1.2057	1.2053	-0.0004
60	0	Correlation	1.2034	1.2035	0.0001
61	0	Correlation	1.2029	1.203	0.0001
62	0	Correlation	1.2047	1.2048	0.0001
63	0	Correlation	1.2039	1.2039	0
64	0	Correlation	1.2023	1.2024	0.0001
65	0	Correlation	1.2019	1.2019	0

Test Statistics (V)

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	1.2019	1.2032	1.2047	0.0010362	1.2019	1.2032	1.2048	0.0010483	0	6.6667e-05	0.0001	5.164e-05
3	1.2005	1.2051	1.2088	0.0031074	1.2006	1.2052	1.2088	0.0030424	-0.0002	9e-05	0.0003	0.00015951
10	1.2032	1.2062	1.2108	0.0025337	1.2033	1.2062	1.2106	0.0024869	-0.0002	-2e-05	0.0003	0.00017512
30	1.2034	1.2069	1.2097	0.0018025	1.2029	1.2064	1.2091	0.0018091	-0.0013	-0.00048	0.0005	0.00047093
50	1.202	1.205	1.2067	0.0016098	1.2013	1.2046	1.207	0.0017394	-0.001	-0.00035	0.0005	0.00046007
100	1.2032	1.2065	1.2095	0.0021896	1.2022	1.2056	1.2091	0.0020477	-0.0021	-0.00089	0.0001	0.00070624

Device Test: 12.8 _IQ|STATIC/VIN/5////@IQ_VIN





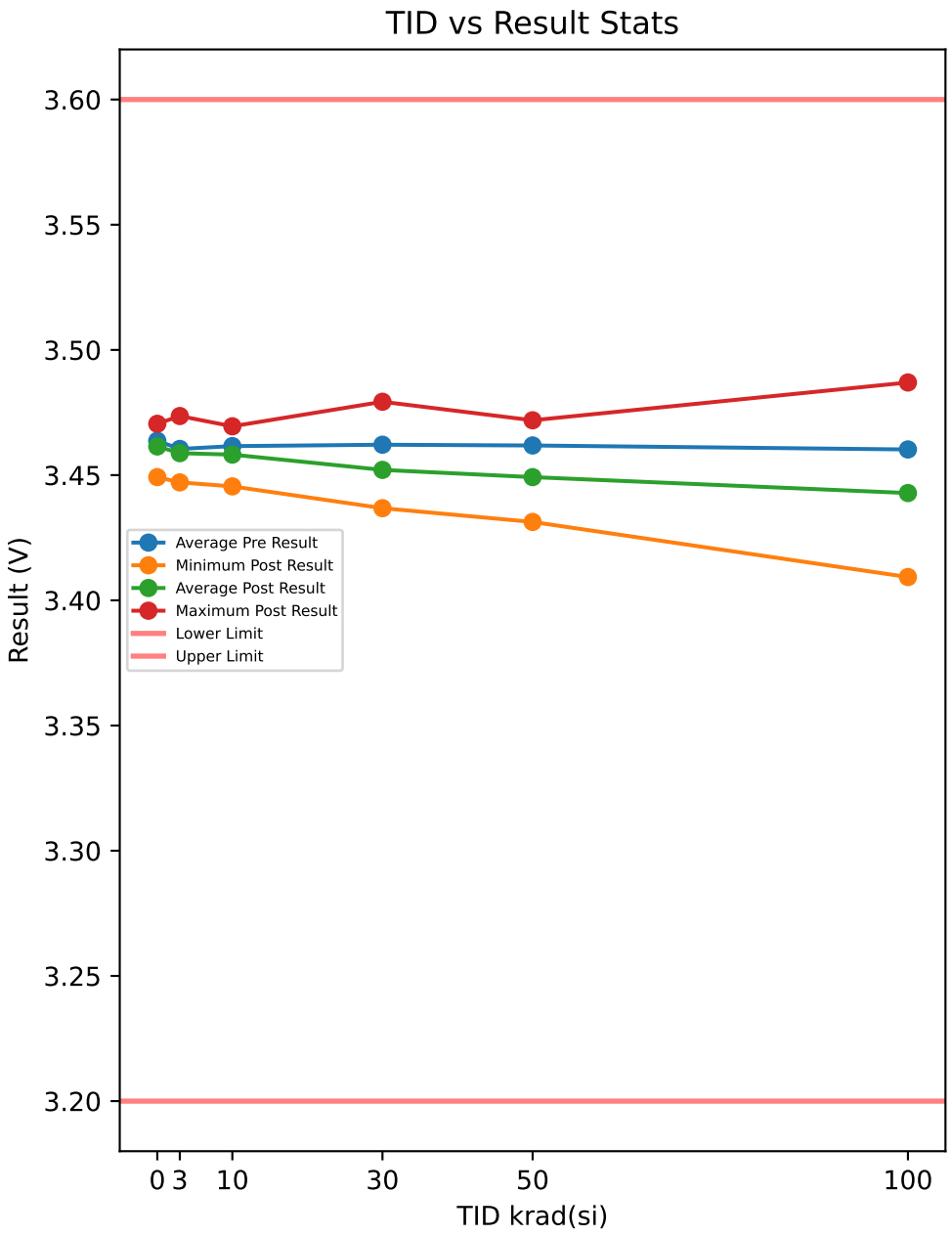
Test Results (Upper Limit = 5.0 (mA))

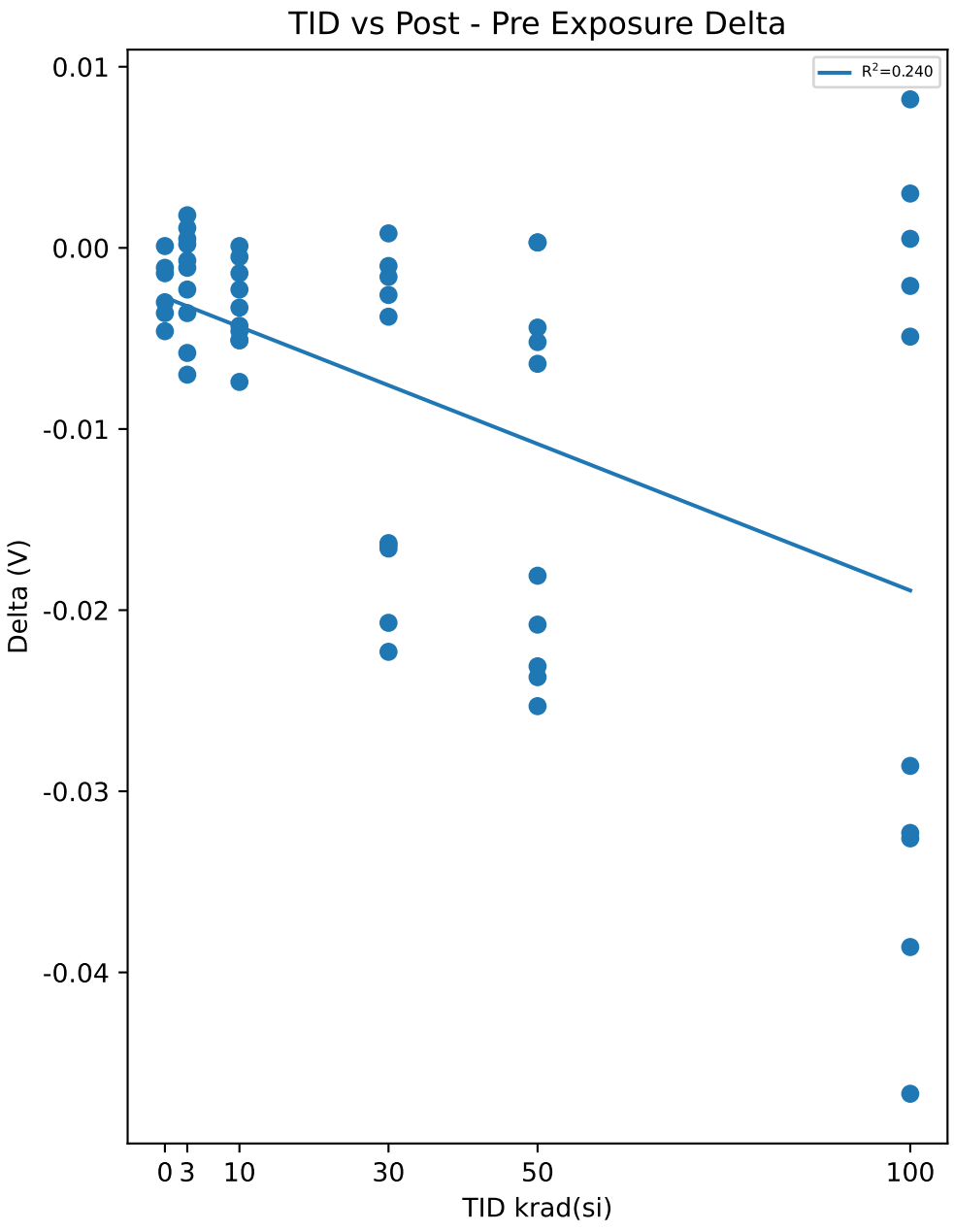
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	LDR Biased	2.6953	2.6891	-0.0062
2	3	LDR Biased	2.6336	2.6291	-0.0045
3	3	LDR Biased	2.6158	2.6074	-0.0084
4	3	LDR Biased	2.6133	2.6114	-0.0019
5	3	LDR Biased	2.6317	2.629	-0.0027
6	10	LDR Biased	2.6006	2.5938	-0.0068
7	10	LDR Biased	2.6144	2.5995	-0.0149
8	10	LDR Biased	2.5735	2.5652	-0.0083
9	10	LDR Biased	2.6477	2.6369	-0.0108
10	10	LDR Biased	2.534	2.525	-0.009
11	30	LDR Biased	2.5532	2.5352	-0.018
12	30	LDR Biased	2.6967	2.6743	-0.0224
13	30	LDR Biased	2.7271	2.7155	-0.0116
14	30	LDR Biased	2.5869	2.5812	-0.0057
15	30	LDR Biased	2.6399	2.6207	-0.0192
16	50	LDR Biased	2.6005	2.5876	-0.0129
17	50	LDR Biased	2.5643	2.5566	-0.0077
18	50	LDR Biased	2.6686	2.6664	-0.0022
19	50	LDR Biased	2.6211	2.6206	-0.0005
20	50	LDR Biased	2.7116	2.7018	-0.0098
21	100	LDR Biased	2.6156	2.5891	-0.0265
22	100	LDR Biased	2.7181	2.6851	-0.033
23	100	LDR Biased	2.5687	2.5396	-0.0291
24	100	LDR Biased	2.6085	2.5782	-0.0303
25	100	LDR Biased	2.7049	2.6843	-0.0206
26	3	LDR Unbiased	2.709	2.7045	-0.0045
27	3	LDR Unbiased	2.5516	2.5479	-0.0037
28	3	LDR Unbiased	2.5824	2.5812	-0.0012
29	3	LDR Unbiased	2.5535	2.5525	-0.001
30	3	LDR Unbiased	2.6317	2.6307	-0.001
31	10	LDR Unbiased	2.5719	2.5634	-0.0085
32	10	LDR Unbiased	2.6666	2.658	-0.0086
33	10	LDR Unbiased	2.679	2.6713	-0.0077
34	10	LDR Unbiased	2.5937	2.5952	0.0015
35	10	LDR Unbiased	2.6072	2.6015	-0.0057
36	30	LDR Unbiased	2.6274	2.619	-0.0084
37	30	LDR Unbiased	2.601	2.5822	-0.0188
38	30	LDR Unbiased	2.6262	2.6209	-0.0053
39	30	LDR Unbiased	2.6224	2.6188	-0.0036
40	30	LDR Unbiased	2.682	2.6707	-0.0113
41	50	LDR Unbiased	2.5378	2.5308	-0.007
42	50	LDR Unbiased	2.6319	2.6258	-0.0061
43	50	LDR Unbiased	2.6342	2.6239	-0.0103
44	50	LDR Unbiased	2.7029	2.6909	-0.012
45	50	LDR Unbiased	2.5997	2.5909	-0.0088
46	100	LDR Unbiased	2.6222	2.6035	-0.0187
47	100	LDR Unbiased	2.6011	2.5851	-0.016
48	100	LDR Unbiased	2.5728	2.5569	-0.0159
49	100	LDR Unbiased	2.6853	2.6731	-0.0122
50	100	LDR Unbiased	2.6942	2.6789	-0.0153
60	0	Correlation	2.6739	2.6767	0.0028
61	0	Correlation	2.687	2.6888	0.0018
62	0	Correlation	2.5777	2.5802	0.0025
63	0	Correlation	2.6304	2.6332	0.0028
64	0	Correlation	2.5908	2.5936	0.0028
65	0	Correlation	2.5738	2.5761	0.0023

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	2.5738	2.6223	2.687	0.049493	2.5761	2.6248	2.6888	0.049385	0.0018	0.0025	0.0028	0.0004
3	2.5516	2.6218	2.709	0.052276	2.5479	2.6183	2.7045	0.051269	-0.0084	-0.00351	-0.001	0.0024569
10	2.534	2.6089	2.679	0.04511	2.525	2.601	2.6713	0.04477	-0.0149	-0.00788	0.0015	0.0041376
30	2.5532	2.6363	2.7271	0.052663	2.5352	2.6239	2.7155	0.052303	-0.0224	-0.01243	-0.0036	0.0067424
50	2.5378	2.6273	2.7116	0.055871	2.5308	2.6195	2.7018	0.055569	-0.0129	-0.00773	-0.0005	0.0039867
100	2.5687	2.6391	2.7181	0.056086	2.5396	2.6174	2.6851	0.05699	-0.033	-0.02176	-0.0122	0.0073558

Device Test: 14.1 _THRESHOLD|RISE/PVIN/4.5////@UVLO_RISE_PVIN





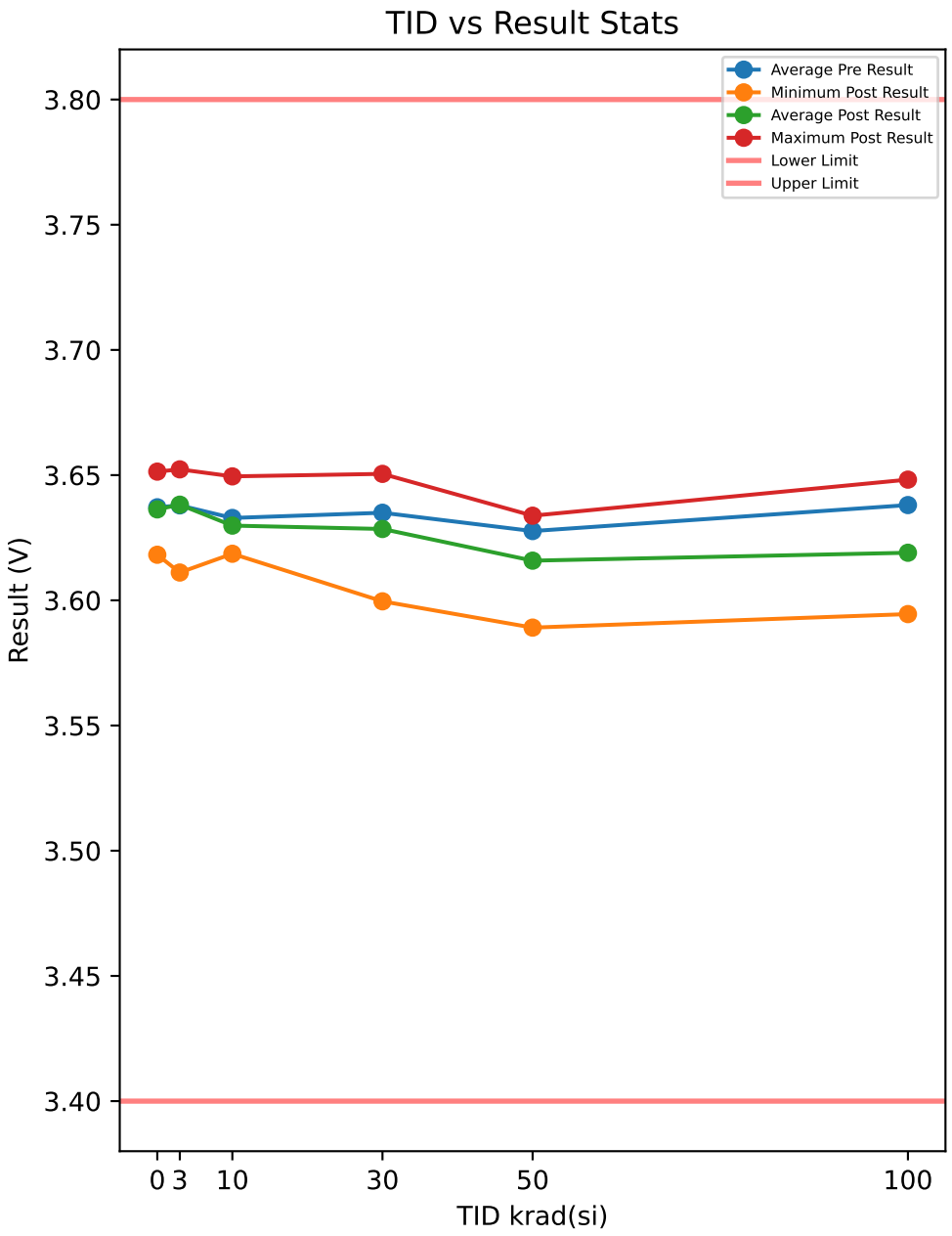
Test Results (Lower Limit = 3.2, Upper Limit = 3.6 (V))

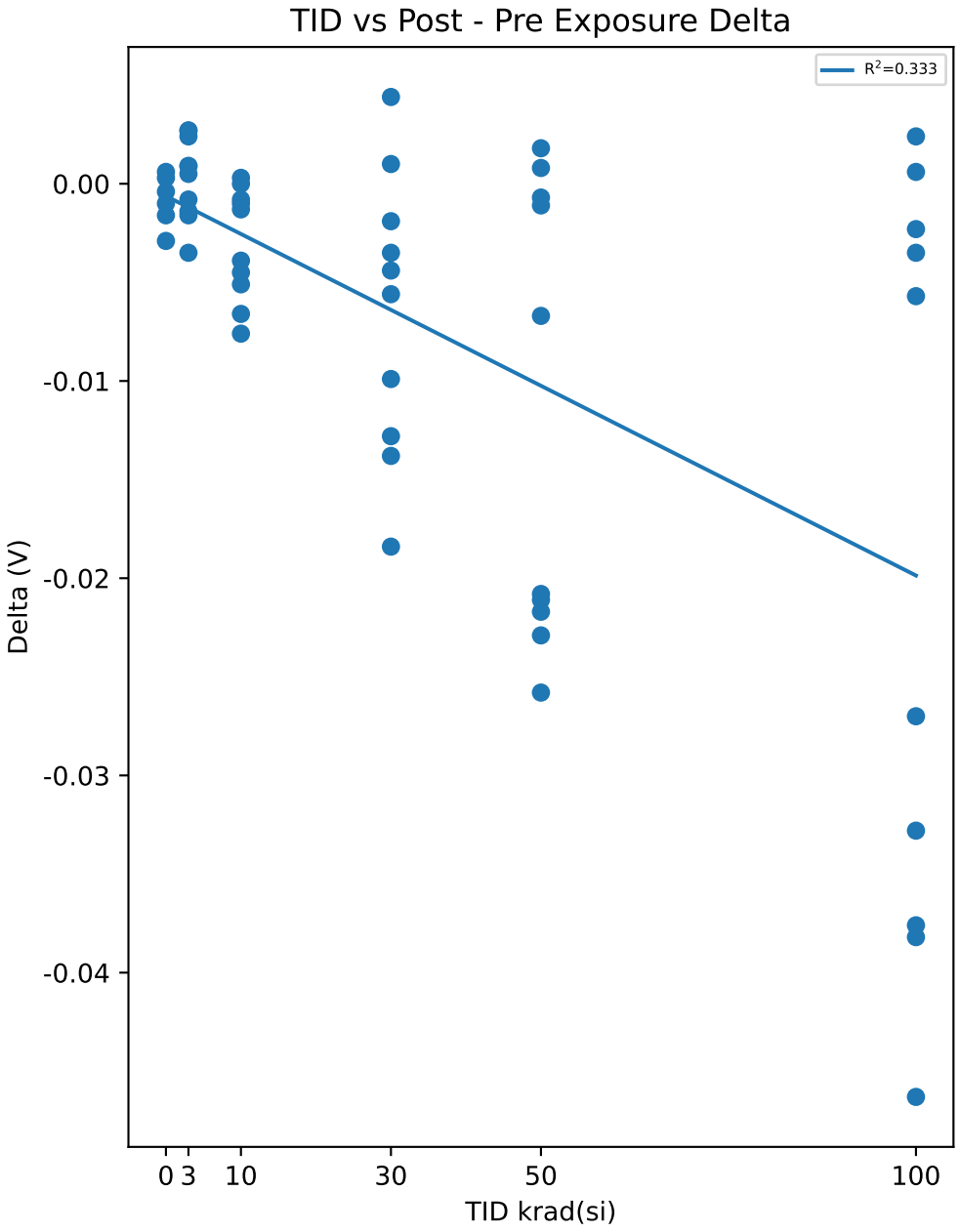
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	LDR Biased	3.4581	3.4583	0.0002
2	3	LDR Biased	3.4569	3.4499	-0.007
3	3	LDR Biased	3.4534	3.4527	-0.0007
4	3	LDR Biased	3.4747	3.4736	-0.0011
5	3	LDR Biased	3.4647	3.4589	-0.0058
6	10	LDR Biased	3.4653	3.4602	-0.0051
7	10	LDR Biased	3.4616	3.4542	-0.0074
8	10	LDR Biased	3.4685	3.4642	-0.0043
9	10	LDR Biased	3.4506	3.4455	-0.0051
10	10	LDR Biased	3.4741	3.4695	-0.0046
11	30	LDR Biased	3.4591	3.4427	-0.0164
12	30	LDR Biased	3.461	3.4387	-0.0223
13	30	LDR Biased	3.4556	3.439	-0.0166
14	30	LDR Biased	3.4531	3.4368	-0.0163
15	30	LDR Biased	3.4663	3.4456	-0.0207
16	50	LDR Biased	3.4566	3.4313	-0.0253
17	50	LDR Biased	3.4766	3.4529	-0.0237
18	50	LDR Biased	3.4606	3.4398	-0.0208
19	50	LDR Biased	3.4635	3.4454	-0.0181
20	50	LDR Biased	3.4694	3.4463	-0.0231
21	100	LDR Biased	3.4388	3.4102	-0.0286
22	100	LDR Biased	3.4656	3.433	-0.0326
23	100	LDR Biased	3.4416	3.4093	-0.0323
24	100	LDR Biased	3.475	3.4364	-0.0386
25	100	LDR Biased	3.4738	3.4271	-0.0467
26	3	LDR Unbiased	3.4556	3.4533	-0.0023
27	3	LDR Unbiased	3.4625	3.4636	0.0011
28	3	LDR Unbiased	3.4653	3.4658	0.0005
29	3	LDR Unbiased	3.4453	3.4471	0.0018
30	3	LDR Unbiased	3.4681	3.4645	-0.0036
31	10	LDR Unbiased	3.4531	3.4517	-0.0014
32	10	LDR Unbiased	3.4641	3.4608	-0.0033
33	10	LDR Unbiased	3.4522	3.4517	-0.0005
34	10	LDR Unbiased	3.4672	3.4649	-0.0023
35	10	LDR Unbiased	3.4591	3.4592	0.0001
36	30	LDR Unbiased	3.4541	3.4515	-0.0026
37	30	LDR Unbiased	3.4653	3.4637	-0.0016
38	30	LDR Unbiased	3.4656	3.4618	-0.0038
39	30	LDR Unbiased	3.461	3.4618	0.0008
40	30	LDR Unbiased	3.4803	3.4793	-0.001
41	50	LDR Unbiased	3.4513	3.4516	0.0003
42	50	LDR Unbiased	3.4422	3.437	-0.0052
43	50	LDR Unbiased	3.471	3.4713	0.0003
44	50	LDR Unbiased	3.4509	3.4445	-0.0064
45	50	LDR Unbiased	3.4763	3.4719	-0.0044
46	100	LDR Unbiased	3.4594	3.4624	0.003
47	100	LDR Unbiased	3.4591	3.4542	-0.0049
48	100	LDR Unbiased	3.4494	3.4499	0.0005
49	100	LDR Unbiased	3.4788	3.487	0.0082
50	100	LDR Unbiased	3.461	3.4589	-0.0021
60	0	Correlation	3.4656	3.462	-0.0036
61	0	Correlation	3.4685	3.4686	0.0001
62	0	Correlation	3.4538	3.4492	-0.0046
63	0	Correlation	3.4716	3.4705	-0.0011
64	0	Correlation	3.4556	3.4542	-0.0014
65	0	Correlation	3.4672	3.4642	-0.003

Test Statistics (V)

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	3.4538	3.4637	3.4716	0.0072791	3.4492	3.4614	3.4705	0.0082887	-0.0046	-0.0022667	0.0001	0.0017592
3	3.4453	3.4605	3.4747	0.0083549	3.4471	3.4588	3.4736	0.008215	-0.007	-0.00169	0.0018	0.0029584
10	3.4506	3.4616	3.4741	0.0077676	3.4455	3.4582	3.4695	0.0073191	-0.0074	-0.00339	0.0001	0.0023549
30	3.4531	3.4621	3.4803	0.0079584	3.4368	3.4521	3.4793	0.014059	-0.0223	-0.01005	0.0008	0.009137
50	3.4422	3.4618	3.4766	0.011625	3.4313	3.4492	3.4719	0.01344	-0.0253	-0.01264	0.0003	0.010464
100	3.4388	3.4602	3.4788	0.013752	3.4093	3.4428	3.487	0.024372	-0.0467	-0.01741	0.0082	0.02019

Device Test: 14.10 _THRESHOLD|RISE/VIN/5////@UVLO_RISE_VIN





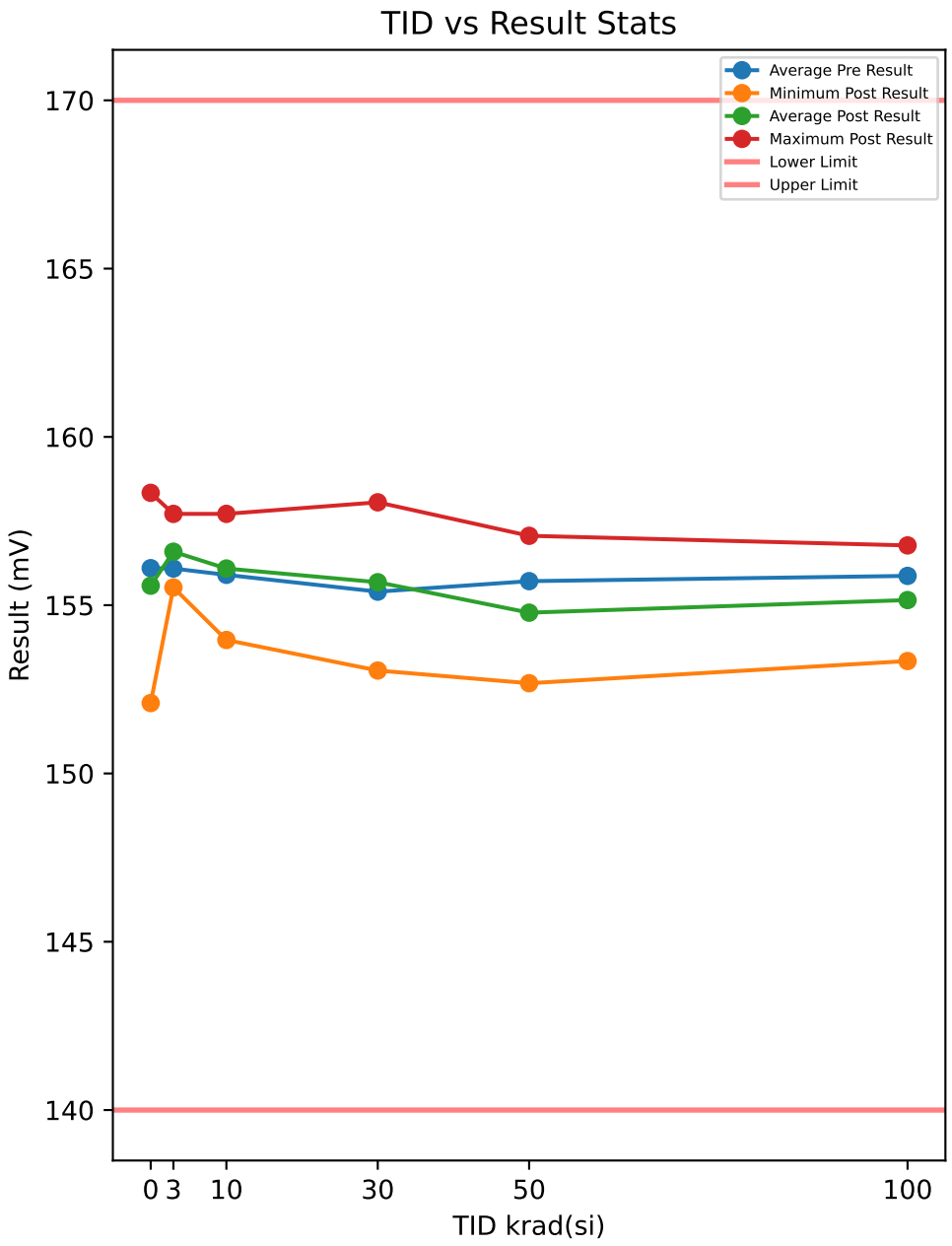
Test Results (Lower Limit = 3.4, Upper Limit = 3.8 (V))

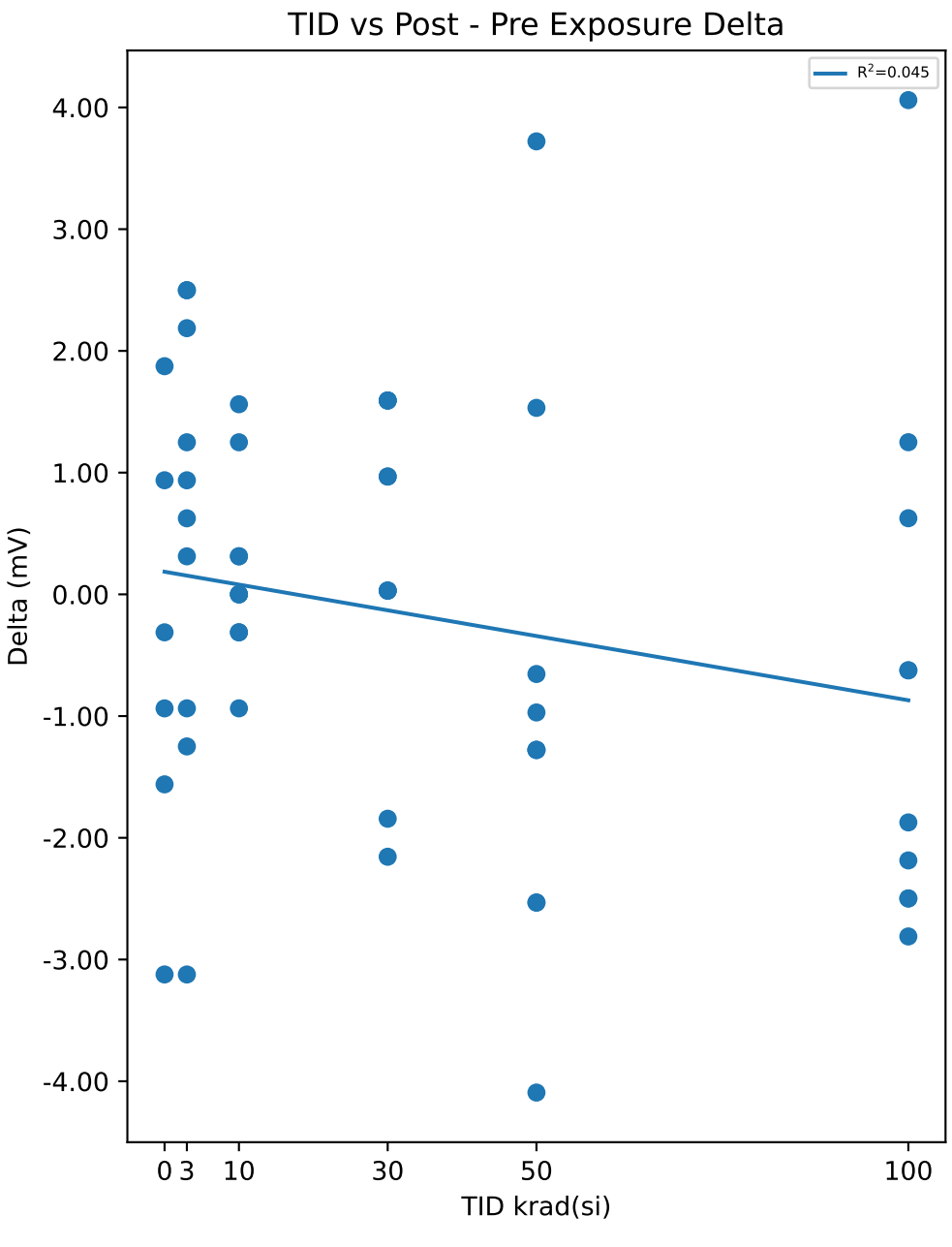
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	LDR Biased	3.6443	3.6435	-0.0008
2	3	LDR Biased	3.6102	3.6111	0.0009
3	3	LDR Biased	3.6402	3.6429	0.0027
4	3	LDR Biased	3.6439	3.6404	-0.0035
5	3	LDR Biased	3.6474	3.6479	0.0005
6	10	LDR Biased	3.6411	3.6345	-0.0066
7	10	LDR Biased	3.6571	3.6495	-0.0076
8	10	LDR Biased	3.6327	3.6276	-0.0051
9	10	LDR Biased	3.6268	3.6223	-0.0045
10	10	LDR Biased	3.6443	3.6404	-0.0039
11	30	LDR Biased	3.6399	3.6261	-0.0138
12	30	LDR Biased	3.618	3.5996	-0.0184
13	30	LDR Biased	3.6302	3.6246	-0.0056
14	30	LDR Biased	3.6311	3.6212	-0.0099
15	30	LDR Biased	3.6374	3.6246	-0.0128
16	50	LDR Biased	3.6233	3.6016	-0.0217
17	50	LDR Biased	3.6464	3.6235	-0.0229
18	50	LDR Biased	3.6102	3.5891	-0.0211
19	50	LDR Biased	3.6371	3.6113	-0.0258
20	50	LDR Biased	3.6315	3.6107	-0.0208
21	100	LDR Biased	3.6343	3.6073	-0.027
22	100	LDR Biased	3.6408	3.5945	-0.0463
23	100	LDR Biased	3.6436	3.6108	-0.0328
24	100	LDR Biased	3.6333	3.5951	-0.0382
25	100	LDR Biased	3.6574	3.6198	-0.0376
26	3	LDR Unbiased	3.6499	3.6523	0.0024
27	3	LDR Unbiased	3.633	3.6339	0.0009
28	3	LDR Unbiased	3.6371	3.6357	-0.0014
29	3	LDR Unbiased	3.6414	3.6398	-0.0016
30	3	LDR Unbiased	3.6318	3.6345	0.0027
31	10	LDR Unbiased	3.624	3.6232	-0.0008
32	10	LDR Unbiased	3.6261	3.6264	0.0003
33	10	LDR Unbiased	3.6186	3.6186	0
34	10	LDR Unbiased	3.6296	3.6286	-0.001
35	10	LDR Unbiased	3.6286	3.6273	-0.0013
36	30	LDR Unbiased	3.633	3.6311	-0.0019
37	30	LDR Unbiased	3.6549	3.6505	-0.0044
38	30	LDR Unbiased	3.6211	3.6221	0.001
39	30	LDR Unbiased	3.6324	3.6368	0.0044
40	30	LDR Unbiased	3.6518	3.6483	-0.0035
41	50	LDR Unbiased	3.6224	3.6157	-0.0067
42	50	LDR Unbiased	3.618	3.6169	-0.0011
43	50	LDR Unbiased	3.6286	3.6279	-0.0007
44	50	LDR Unbiased	3.633	3.6338	0.0008
45	50	LDR Unbiased	3.6261	3.6279	0.0018
46	100	LDR Unbiased	3.6358	3.6364	0.0006
47	100	LDR Unbiased	3.6321	3.6286	-0.0035
48	100	LDR Unbiased	3.6174	3.6117	-0.0057
49	100	LDR Unbiased	3.6458	3.6482	0.0024
50	100	LDR Unbiased	3.6399	3.6376	-0.0023
60	0	Correlation	3.6389	3.6373	-0.0016
61	0	Correlation	3.6355	3.6326	-0.0029
62	0	Correlation	3.6436	3.6439	0.0003
63	0	Correlation	3.6508	3.6514	0.0006
64	0	Correlation	3.6355	3.6345	-0.001
65	0	Correlation	3.6186	3.6182	-0.0004

Test Statistics (V)

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	3.6186	3.6372	3.6508	0.010775	3.6182	3.6363	3.6514	0.011237	-0.0029	-0.00083333	0.0006	0.0012972
3	3.6102	3.6379	3.6499	0.011343	3.6111	3.6382	3.6523	0.011172	-0.0035	0.00028	0.0027	0.0020773
10	3.6186	3.6329	3.6571	0.011448	3.6186	3.6298	3.6495	0.0092608	-0.0076	-0.00305	0.0003	0.0028516
30	3.618	3.635	3.6549	0.011734	3.5996	3.6285	3.6505	0.014596	-0.0184	-0.00649	0.0044	0.0071226
50	3.6102	3.6277	3.6464	0.010175	3.5891	3.6158	3.6338	0.013491	-0.0258	-0.01182	0.0018	0.011509
100	3.6174	3.638	3.6574	0.010434	3.5945	3.619	3.6482	0.018327	-0.0463	-0.01904	0.0024	0.01901

Device Test: 14.12 _THRESHOLD|HYST/VIN/5////@UVLO_HYST_VIN





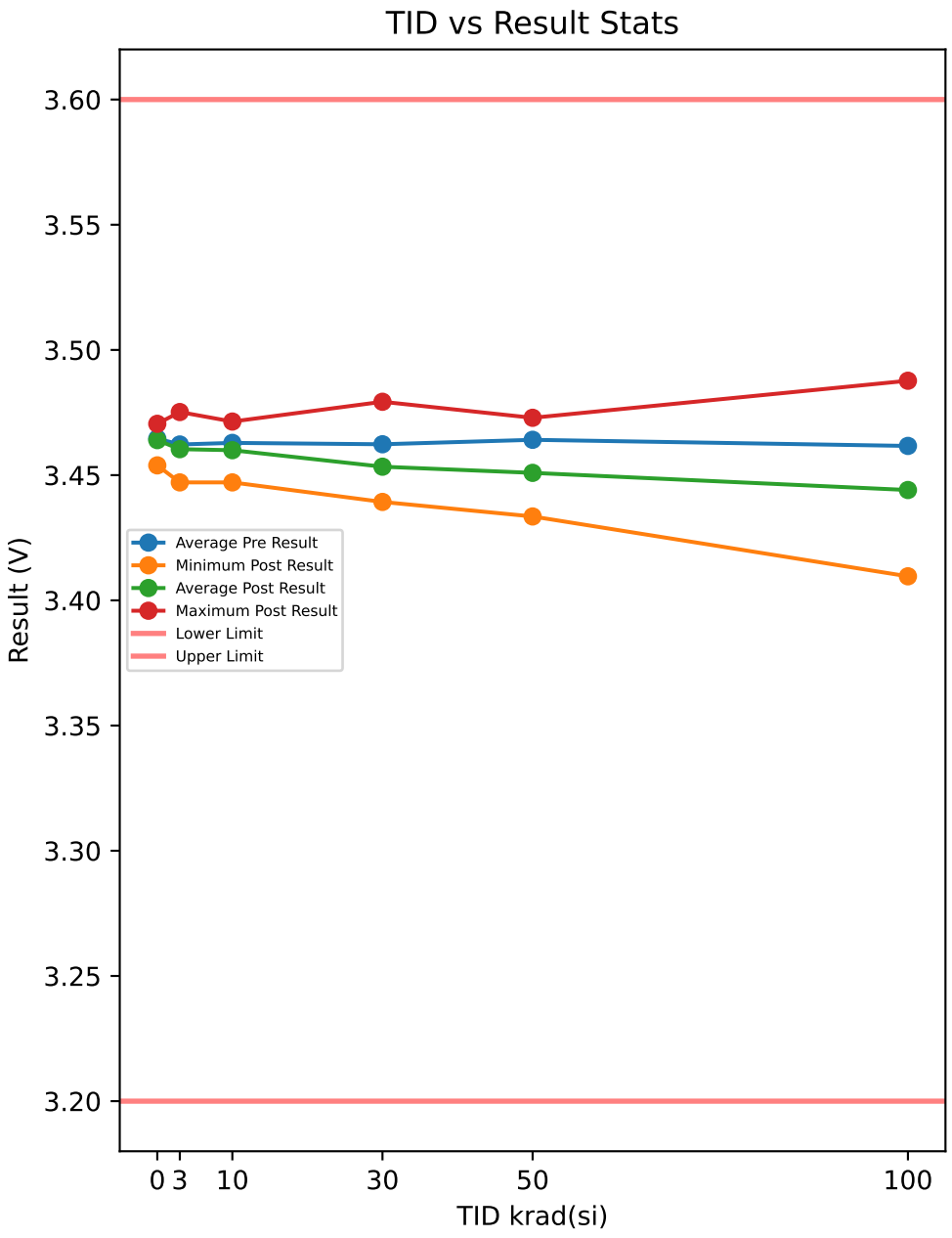
Test Results (Lower Limit = 140.0, Upper Limit = 170.0 (mV))

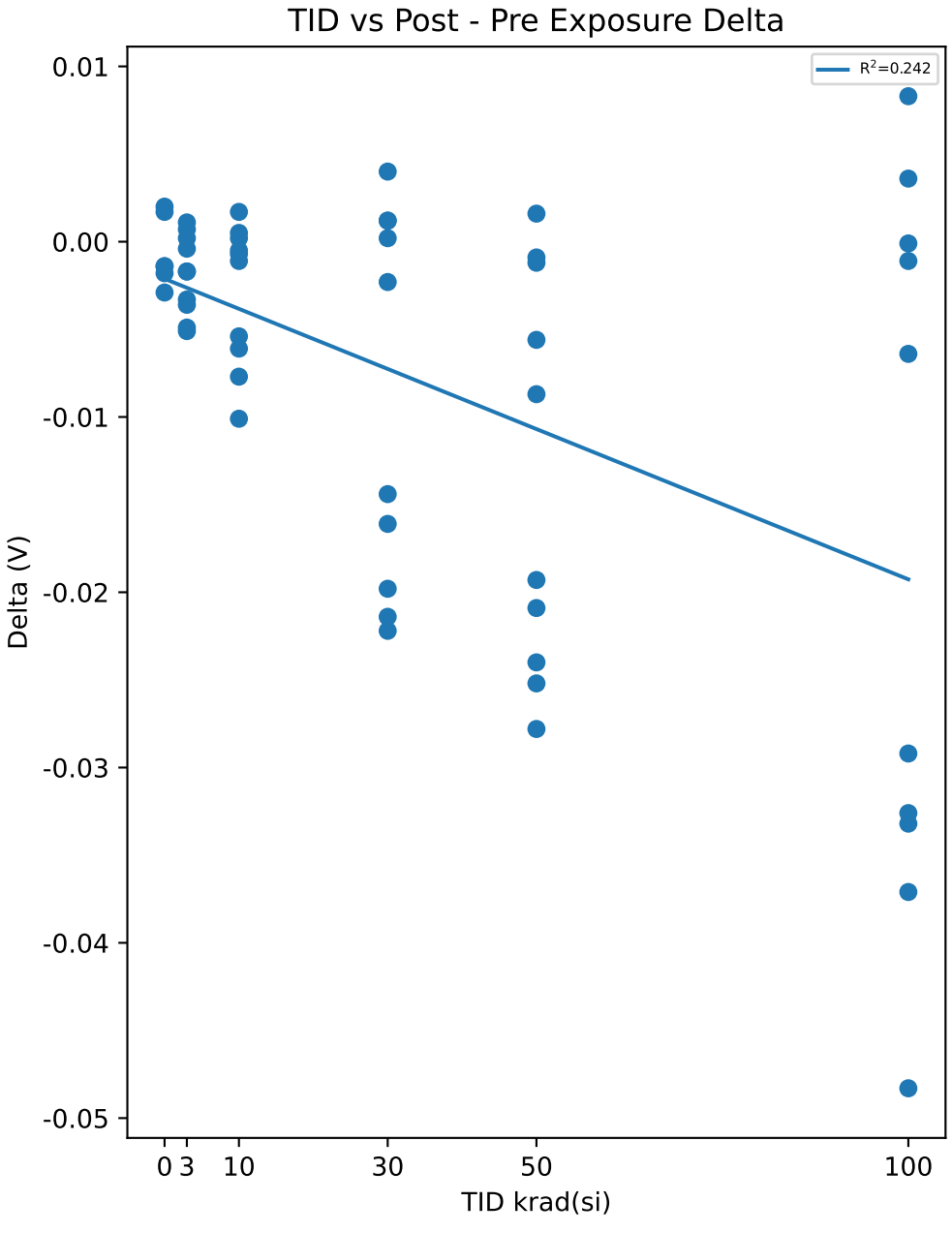
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	LDR Biased	155.53	155.84	0.3123
2	3	LDR Biased	154.9	157.09	2.1866
3	3	LDR Biased	154.9	157.4	2.4986
4	3	LDR Biased	157.4	156.46	-0.9365
5	3	LDR Biased	157.09	157.71	0.6247
6	10	LDR Biased	156.15	155.84	-0.3121
7	10	LDR Biased	156.46	156.78	0.3126
8	10	LDR Biased	156.15	157.4	1.2493
9	10	LDR Biased	155.53	155.84	0.3128
10	10	LDR Biased	158.02	157.71	-0.3119
11	30	LDR Biased	155.84	155.87	0.0308
12	30	LDR Biased	155.21	153.06	-2.1556
13	30	LDR Biased	153.96	155.56	1.5926
14	30	LDR Biased	154.28	154.31	0.0305
15	30	LDR Biased	155.53	155.56	0.0308
16	50	LDR Biased	157.09	155.81	-1.2777
17	50	LDR Biased	157.71	153.62	-4.0929
18	50	LDR Biased	156.15	153.62	-2.5311
19	50	LDR Biased	156.46	155.18	-1.2791
20	50	LDR Biased	155.21	152.68	-2.5327
21	100	LDR Biased	155.21	154.59	-0.6242
22	100	LDR Biased	156.78	154.59	-2.1858
23	100	LDR Biased	157.09	154.28	-2.8104
24	100	LDR Biased	155.53	154.9	-0.6242
25	100	LDR Biased	157.09	154.59	-2.4981
26	3	LDR Unbiased	154.59	157.09	2.4986
27	3	LDR Unbiased	155.53	156.46	0.937
28	3	LDR Unbiased	158.03	156.78	-1.2493
29	3	LDR Unbiased	158.65	155.53	-3.1228
30	3	LDR Unbiased	154.28	155.53	1.2493
31	10	LDR Unbiased	154.9	153.97	-0.9365
32	10	LDR Unbiased	155.84	155.84	0.0005
33	10	LDR Unbiased	155.84	157.4	1.5618
34	10	LDR Unbiased	155.53	155.53	0
35	10	LDR Unbiased	154.59	154.59	0.0004
36	30	LDR Unbiased	156.46	154.62	-1.8434
37	30	LDR Unbiased	157.09	158.06	0.9683
38	30	LDR Unbiased	154.28	155.24	0.9675
39	30	LDR Unbiased	154.9	156.49	1.5924
40	30	LDR Unbiased	156.46	158.06	1.5926
41	50	LDR Unbiased	157.4	156.12	-1.2772
42	50	LDR Unbiased	153.96	152.99	-0.9704
43	50	LDR Unbiased	153.34	157.06	3.7213
44	50	LDR Unbiased	153.97	155.5	1.5319
45	50	LDR Unbiased	155.84	155.18	-0.6544
46	100	LDR Unbiased	158.03	156.15	-1.8737
47	100	LDR Unbiased	154.59	155.84	1.2498
48	100	LDR Unbiased	155.84	156.46	0.6252
49	100	LDR Unbiased	152.72	156.78	4.0601
50	100	LDR Unbiased	155.84	153.34	-2.4984
60	0	Correlation	157.4	155.84	-1.5609
61	0	Correlation	155.21	152.09	-3.1226
62	0	Correlation	157.4	158.34	0.9372
63	0	Correlation	155.53	157.4	1.8742
64	0	Correlation	156.46	155.53	-0.9368
65	0	Correlation	154.59	154.28	-0.3121

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	154.59	156.1	157.4	1.1754	152.09	155.58	158.34	2.2295	-3.1226	-0.52017	1.8742	1.7849
3	154.28	156.09	158.65	1.5636	155.53	156.59	157.71	0.76787	-3.1228	0.49985	2.4986	1.8222
10	154.59	155.9	158.02	0.94032	153.97	156.09	157.71	1.2387	-0.9365	0.18769	1.5618	0.73899
30	153.96	155.4	157.09	1.0637	153.06	155.68	158.06	1.5667	-2.1556	0.28065	1.5926	1.3639
50	153.34	155.71	157.71	1.5454	152.68	154.78	157.06	1.4604	-4.0929	-0.93623	3.7213	2.1927
100	152.72	155.87	158.03	1.5118	153.34	155.15	156.78	1.0998	-2.8104	-0.71797	4.0601	2.179

Device Test: 14.13 _THRESHOLD|RISE/PVIN/12////@UVLO_RISE_PVIN





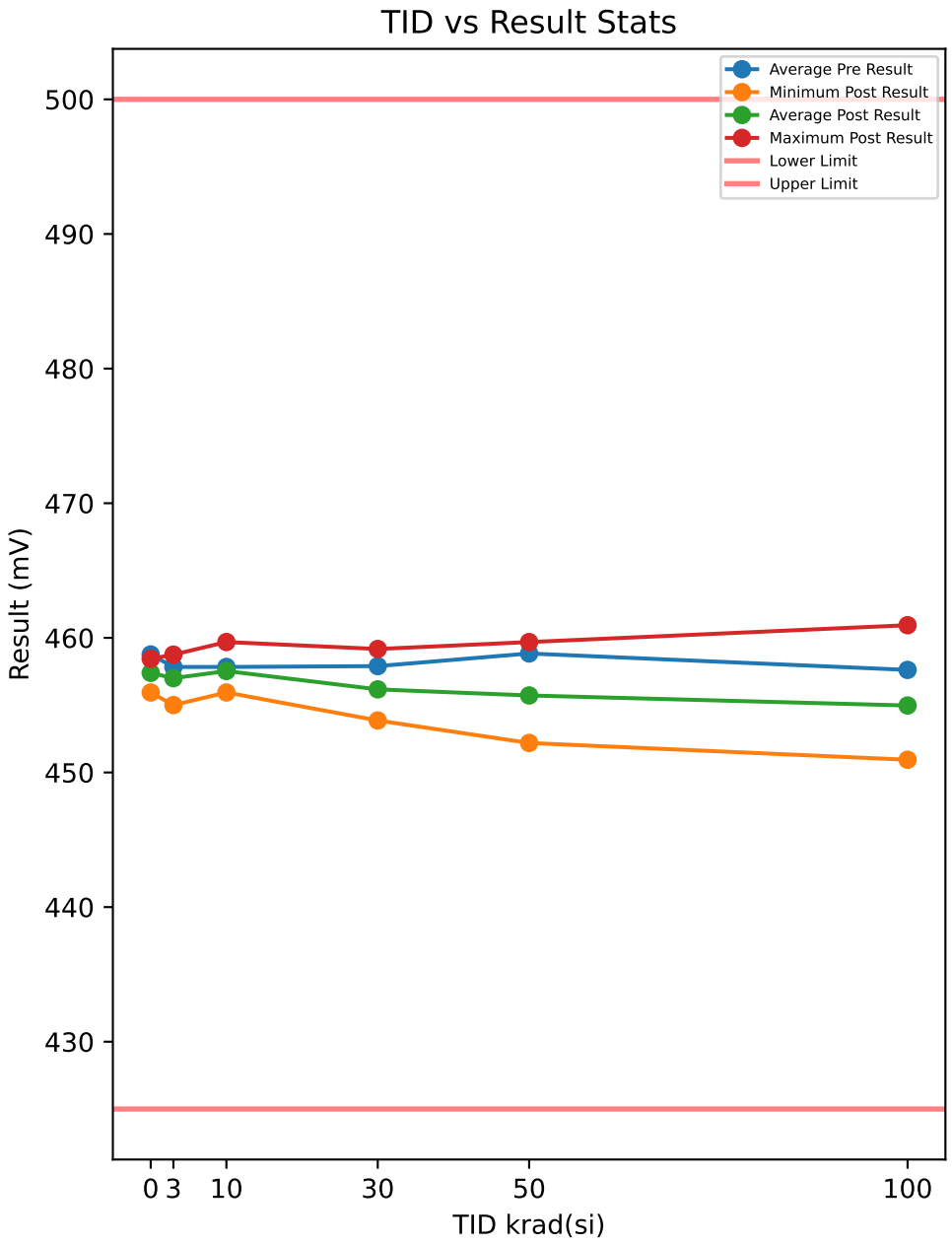
Test Results (Lower Limit = 3.2, Upper Limit = 3.6 (V))

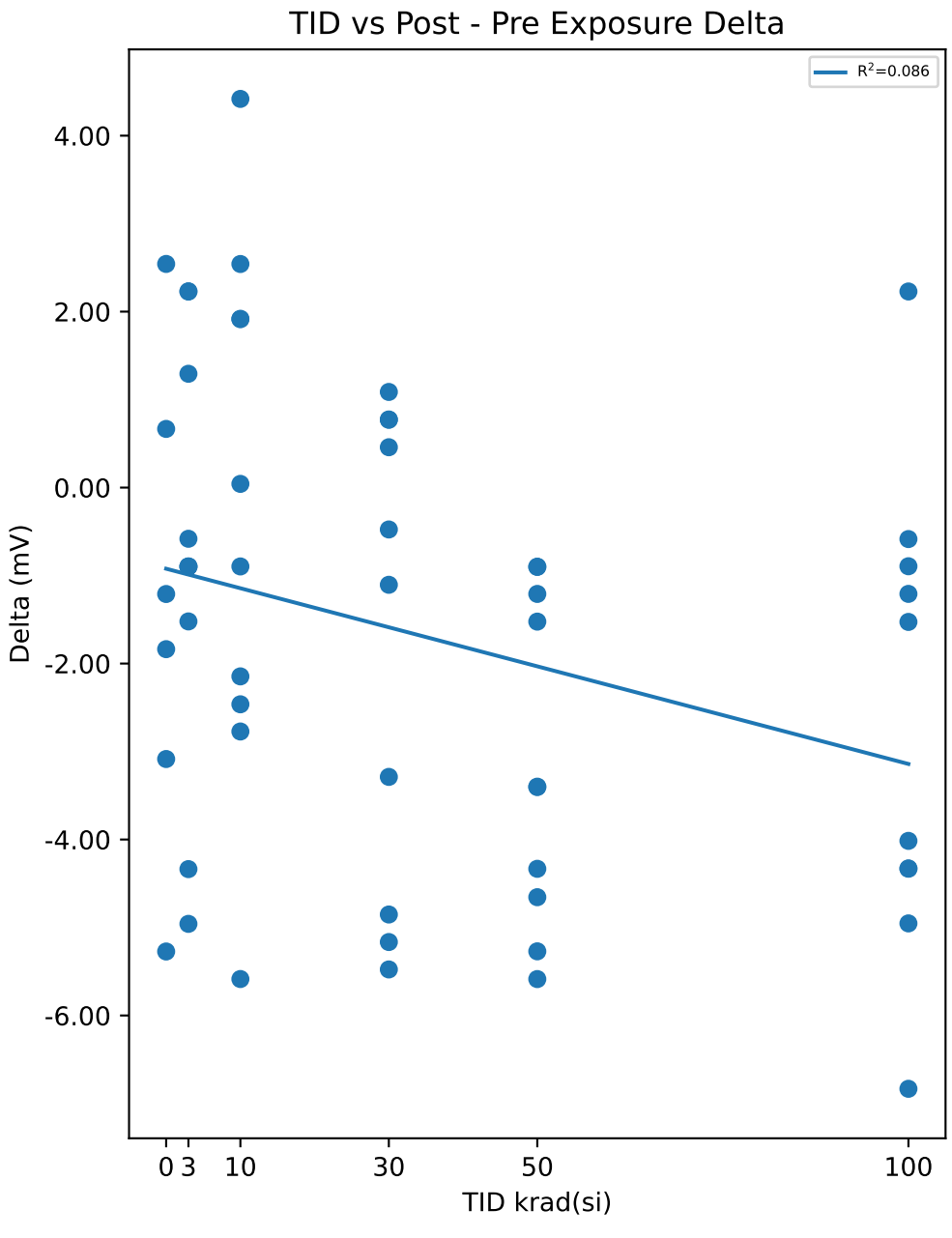
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	LDR Biased	3.4622	3.4589	-0.0033
2	3	LDR Biased	3.4585	3.4536	-0.0049
3	3	LDR Biased	3.4566	3.4549	-0.0017
4	3	LDR Biased	3.4769	3.4752	-0.0017
5	3	LDR Biased	3.4656	3.4605	-0.0051
6	10	LDR Biased	3.4706	3.4605	-0.0101
7	10	LDR Biased	3.461	3.4549	-0.0061
8	10	LDR Biased	3.4678	3.4683	0.0005
9	10	LDR Biased	3.4525	3.4471	-0.0054
10	10	LDR Biased	3.4791	3.4714	-0.0077
11	30	LDR Biased	3.4588	3.4427	-0.0161
12	30	LDR Biased	3.4628	3.4406	-0.0222
13	30	LDR Biased	3.4591	3.4393	-0.0198
14	30	LDR Biased	3.4556	3.4412	-0.0144
15	30	LDR Biased	3.4666	3.4452	-0.0214
16	50	LDR Biased	3.4613	3.4335	-0.0278
17	50	LDR Biased	3.4741	3.4548	-0.0193
18	50	LDR Biased	3.465	3.4398	-0.0252
19	50	LDR Biased	3.4678	3.4469	-0.0209
20	50	LDR Biased	3.4706	3.4466	-0.024
21	100	LDR Biased	3.4388	3.4096	-0.0292
22	100	LDR Biased	3.4669	3.4343	-0.0326
23	100	LDR Biased	3.445	3.4118	-0.0332
24	100	LDR Biased	3.4735	3.4364	-0.0371
25	100	LDR Biased	3.4757	3.4274	-0.0483
26	3	LDR Unbiased	3.456	3.4567	0.0007
27	3	LDR Unbiased	3.4619	3.463	0.0011
28	3	LDR Unbiased	3.4678	3.4674	-0.0004
29	3	LDR Unbiased	3.4469	3.4471	0.0002
30	3	LDR Unbiased	3.47	3.4664	-0.0036
31	10	LDR Unbiased	3.4531	3.4533	0.0002
32	10	LDR Unbiased	3.4628	3.4645	0.0017
33	10	LDR Unbiased	3.456	3.4555	-0.0005
34	10	LDR Unbiased	3.4656	3.4649	-0.0007
35	10	LDR Unbiased	3.4603	3.4592	-0.0011
36	30	LDR Unbiased	3.4531	3.4543	0.0012
37	30	LDR Unbiased	3.466	3.4662	0.0002
38	30	LDR Unbiased	3.4625	3.4637	0.0012
39	30	LDR Unbiased	3.4572	3.4612	0.004
40	30	LDR Unbiased	3.4816	3.4793	-0.0023
41	50	LDR Unbiased	3.4547	3.4538	-0.0009
42	50	LDR Unbiased	3.4466	3.441	-0.0056
43	50	LDR Unbiased	3.4713	3.4729	0.0016
44	50	LDR Unbiased	3.4481	3.4469	-0.0012
45	50	LDR Unbiased	3.4816	3.4729	-0.0087
46	100	LDR Unbiased	3.4606	3.4642	0.0036
47	100	LDR Unbiased	3.4578	3.4567	-0.0011
48	100	LDR Unbiased	3.4534	3.4533	-0.0001
49	100	LDR Unbiased	3.4794	3.4877	0.0083
50	100	LDR Unbiased	3.4656	3.4592	-0.0064
60	0	Correlation	3.466	3.4642	-0.0018
61	0	Correlation	3.4685	3.4705	0.002
62	0	Correlation	3.4553	3.4539	-0.0014
63	0	Correlation	3.4731	3.4702	-0.0029
64	0	Correlation	3.456	3.4577	0.0017
65	0	Correlation	3.4688	3.4674	-0.0014

Test Statistics (V)

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	3.4553	3.4646	3.4731	0.0073145	3.4539	3.464	3.4705	0.0068409	-0.0029	-0.00063333	0.002	0.0020027
3	3.4469	3.4622	3.4769	0.0084163	3.4471	3.4604	3.4752	0.0080286	-0.0051	-0.00187	0.0011	0.002275
10	3.4525	3.4629	3.4791	0.0082678	3.4471	3.46	3.4714	0.0074651	-0.0101	-0.00292	0.0017	0.0040488
30	3.4531	3.4623	3.4816	0.0080483	3.4393	3.4534	3.4793	0.013726	-0.0222	-0.00896	0.004	0.010702
50	3.4466	3.4641	3.4816	0.011418	3.4335	3.4509	3.4729	0.013191	-0.0278	-0.0132	0.0016	0.011366
100	3.4388	3.4617	3.4794	0.013247	3.4096	3.4441	3.4877	0.024595	-0.0483	-0.01761	0.0083	0.020412

Device Test: 14.15 _THRESHOLD|HYST/PVIN/12////@UVLO_HYST_PVIN





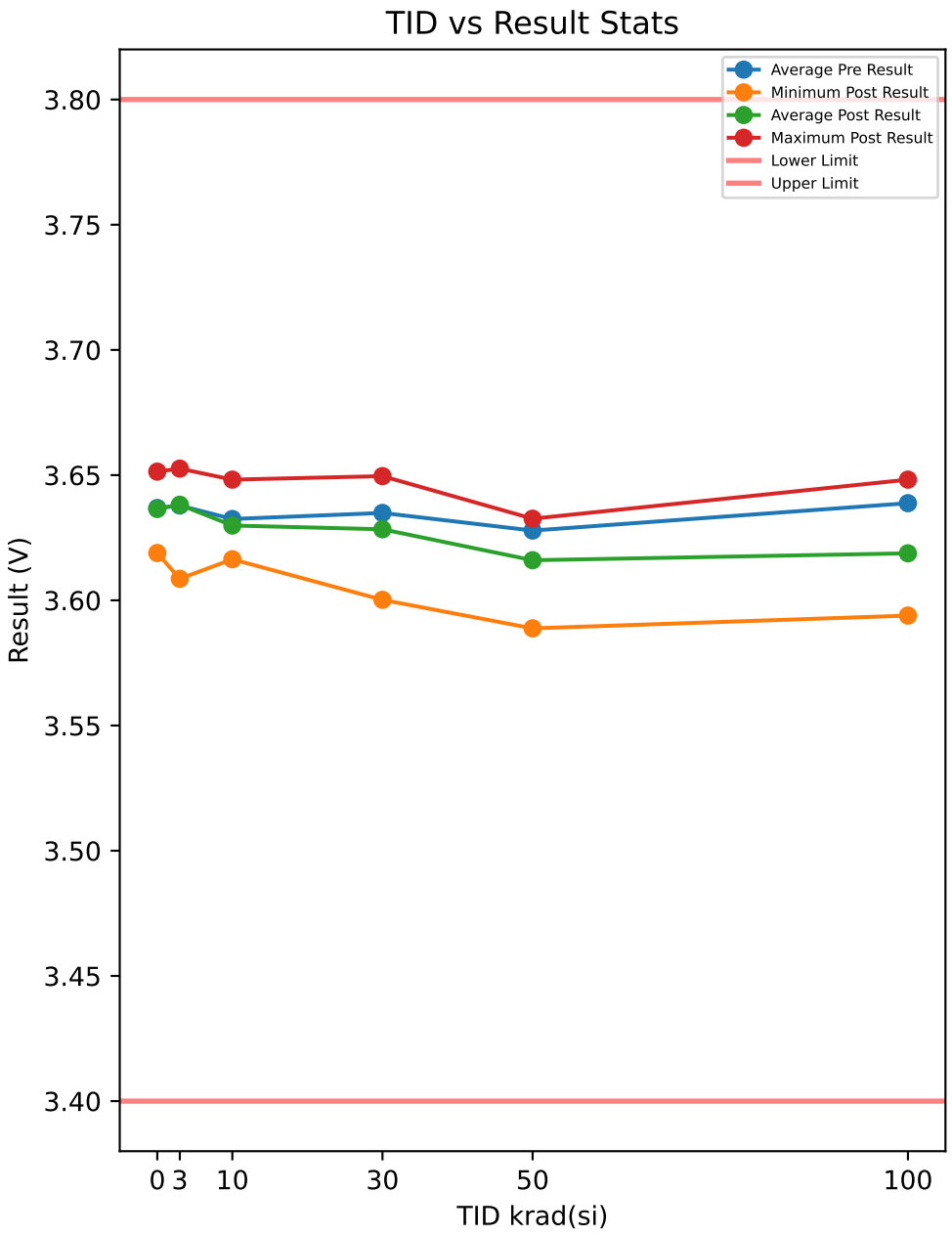
Test Results (Lower Limit = 425.0, Upper Limit = 500.0 (mV))

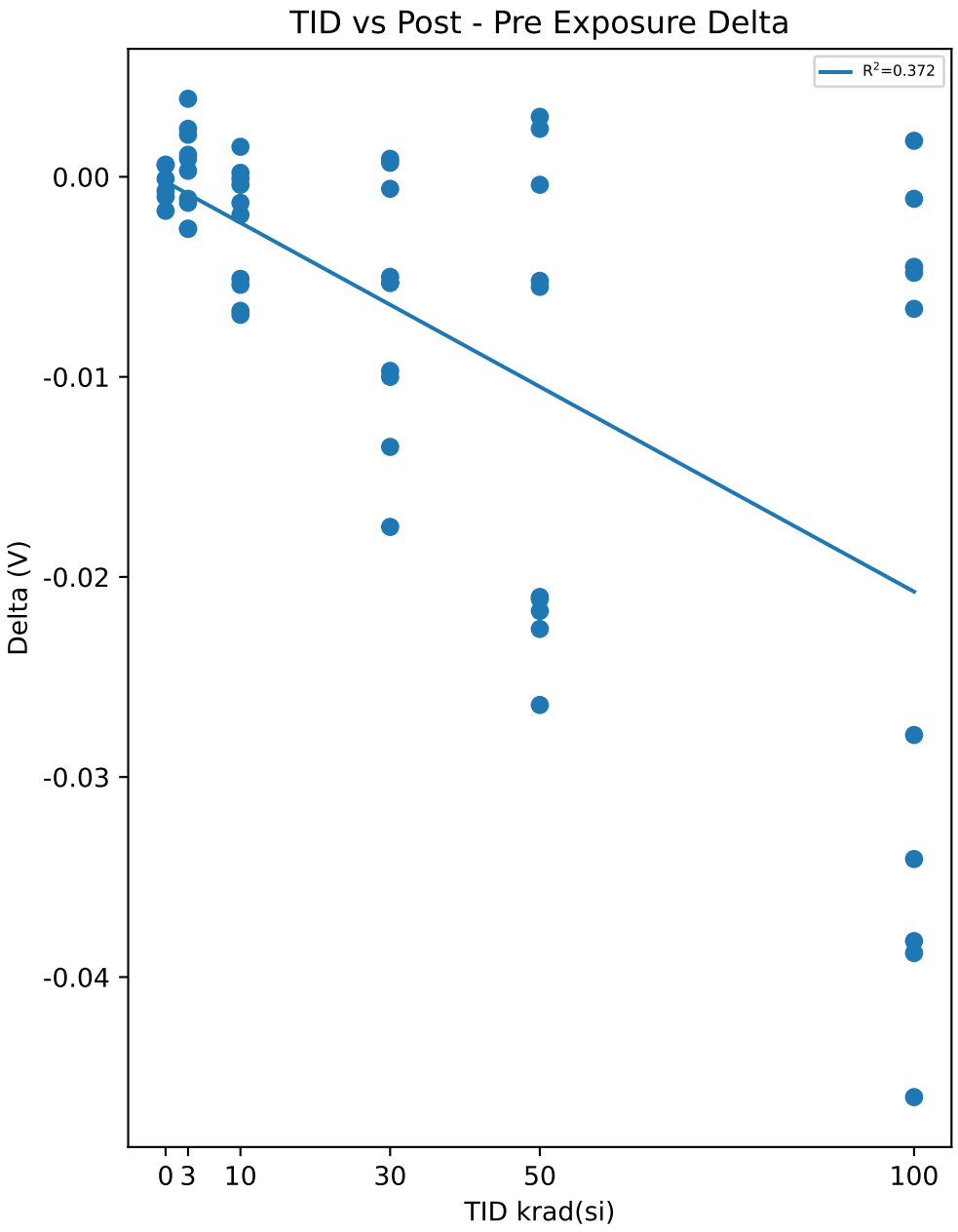
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	LDR Biased	459.96	455	-4.9587
2	3	LDR Biased	457.78	456.88	-0.8962
3	3	LDR Biased	454.96	457.19	2.2302
4	3	LDR Biased	456.21	458.44	2.2288
5	3	LDR Biased	458.71	457.82	-0.8972
6	10	LDR Biased	461.84	456.25	-5.5857
7	10	LDR Biased	458.09	455.94	-2.1458
8	10	LDR Biased	457.46	459.38	1.9148
9	10	LDR Biased	455.9	458.44	2.5413
10	10	LDR Biased	462.15	459.69	-2.4631
11	30	LDR Biased	459.34	453.86	-5.4767
12	30	LDR Biased	459.34	454.49	-4.8523
13	30	LDR Biased	459.65	454.49	-5.1651
14	30	LDR Biased	454.96	456.05	1.0872
15	30	LDR Biased	457.15	453.86	-3.2883
16	50	LDR Biased	456.52	452.19	-4.333
17	50	LDR Biased	458.09	457.19	-0.8997
18	50	LDR Biased	457.46	452.19	-5.2709
19	50	LDR Biased	457.15	455.63	-1.5233
20	50	LDR Biased	459.65	454.06	-5.5862
21	100	LDR Biased	454.96	450.95	-4.0155
22	100	LDR Biased	460.59	453.76	-6.8333
23	100	LDR Biased	455.9	450.95	-4.9534
24	100	LDR Biased	458.09	453.76	-4.3318
25	100	LDR Biased	455.59	451.26	-4.3289
26	3	LDR Unbiased	456.52	455.94	-0.5817
27	3	LDR Unbiased	458.09	456.57	-1.5211
28	3	LDR Unbiased	459.65	458.75	-0.8984
29	3	LDR Unbiased	454.65	455.94	1.2936
30	3	LDR Unbiased	461.84	457.5	-4.3364
31	10	LDR Unbiased	458.09	457.19	-0.8962
32	10	LDR Unbiased	453.71	458.13	4.4179
33	10	LDR Unbiased	454.96	456.88	1.9179
34	10	LDR Unbiased	456.52	456.57	0.0422
35	10	LDR Unbiased	459.65	456.88	-2.7723
36	30	LDR Unbiased	455.9	456.67	0.7741
37	30	LDR Unbiased	459.96	458.86	-1.1048
38	30	LDR Unbiased	458.09	458.55	0.4587
39	30	LDR Unbiased	456.21	455.74	-0.4761
40	30	LDR Unbiased	458.4	459.17	0.771
41	50	LDR Unbiased	462.15	458.75	-3.4034
42	50	LDR Unbiased	459.03	455.63	-3.3994
43	50	LDR Unbiased	458.71	457.81	-0.9008
44	50	LDR Unbiased	455.27	454.06	-1.2086
45	50	LDR Unbiased	464.34	459.69	-4.6556
46	100	LDR Unbiased	455.59	457.82	2.229
47	100	LDR Unbiased	457.77	456.57	-1.2081
48	100	LDR Unbiased	459.03	458.44	-0.5851
49	100	LDR Unbiased	462.47	460.94	-1.5268
50	100	LDR Unbiased	456.21	455.32	-0.8941
60	0	Correlation	459.96	456.88	-3.0851
61	0	Correlation	455.59	458.13	2.542
62	0	Correlation	458.71	457.5	-1.2095
63	0	Correlation	461.21	455.94	-5.2728
64	0	Correlation	456.84	457.5	0.6669
65	0	Correlation	460.28	458.44	-1.8365

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	455.59	458.77	461.21	2.1702	455.94	457.4	458.44	0.89799	-5.2728	-1.3658	2.542	2.7521
3	454.65	457.84	461.84	2.2968	455	457	458.75	1.1796	-4.9587	-0.83371	2.2302	2.4296
10	453.71	457.84	462.15	2.7686	455.94	457.53	459.69	1.3039	-5.5857	-0.3029	4.4179	3.0325
30	454.96	457.9	459.96	1.7577	453.86	456.17	459.17	2.073	-5.4767	-1.7272	1.0872	2.6922
50	455.27	458.84	464.34	2.6948	452.19	455.72	459.69	2.6213	-5.5862	-3.1181	-0.8997	1.8485
100	454.96	457.62	462.47	2.4676	450.95	454.97	460.94	3.4571	-6.8333	-2.6448	2.229	2.6835

Device Test: 14.16 _THRESHOLD|RISE/VIN/12////@UVLO_RISE_VIN





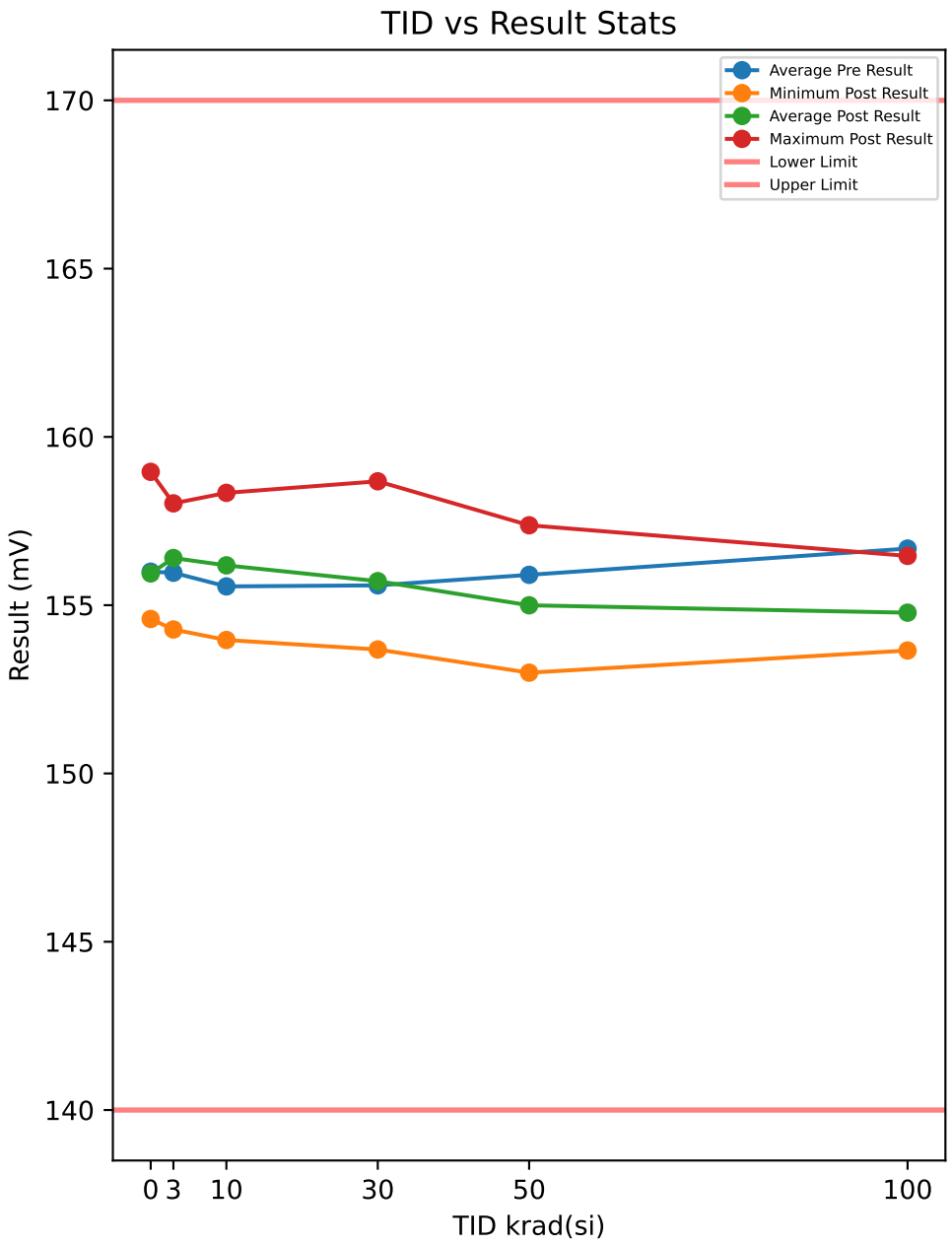
Test Results (Lower Limit = 3.4, Upper Limit = 3.8 (V))

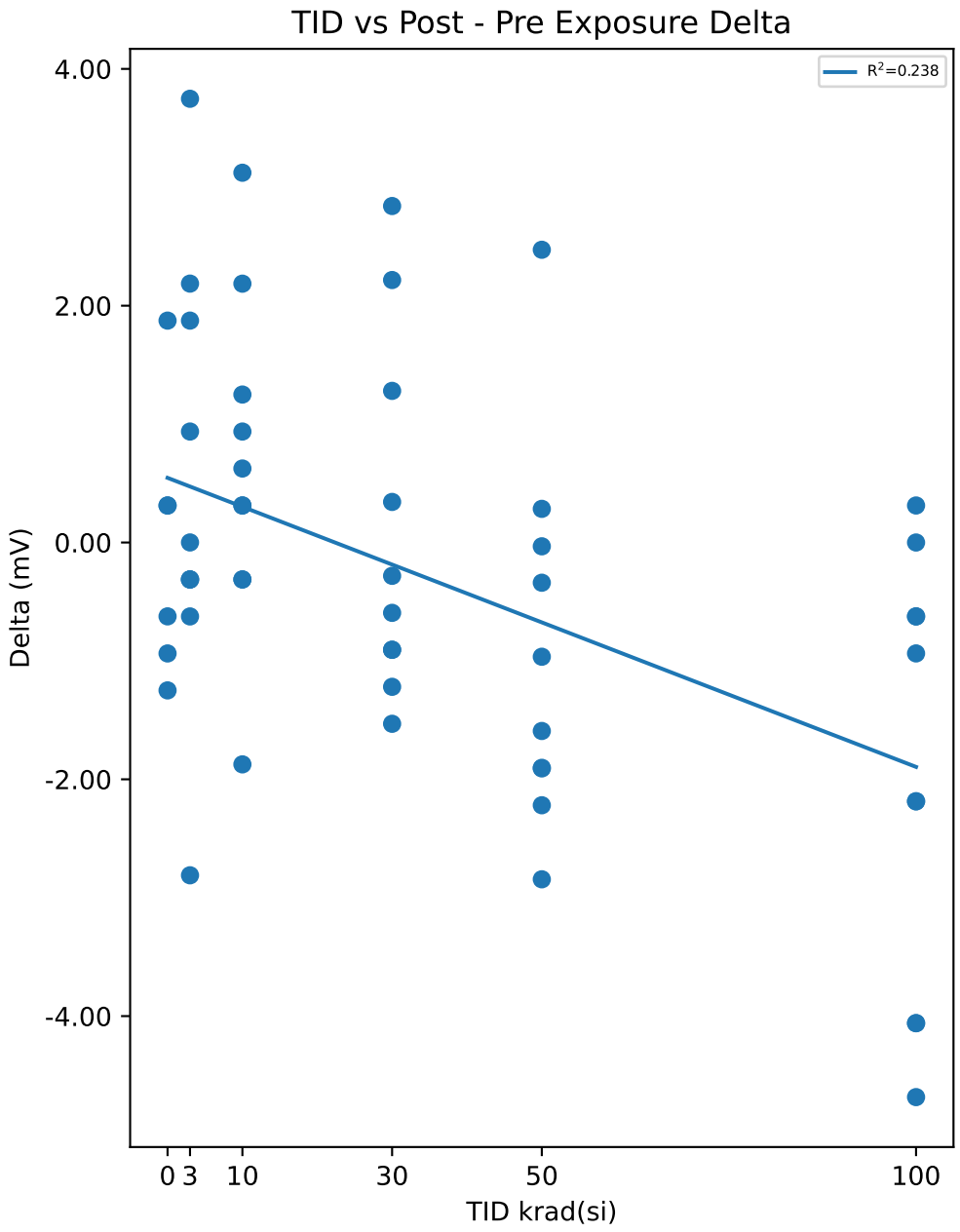
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	LDR Biased	3.6436	3.6439	0.0003
2	3	LDR Biased	3.6099	3.6086	-0.0013
3	3	LDR Biased	3.6405	3.6426	0.0021
4	3	LDR Biased	3.6436	3.641	-0.0026
5	3	LDR Biased	3.6446	3.6485	0.0039
6	10	LDR Biased	3.6411	3.6342	-0.0069
7	10	LDR Biased	3.6549	3.6482	-0.0067
8	10	LDR Biased	3.6336	3.6282	-0.0054
9	10	LDR Biased	3.6268	3.6217	-0.0051
10	10	LDR Biased	3.6414	3.6401	-0.0013
11	30	LDR Biased	3.6393	3.6258	-0.0135
12	30	LDR Biased	3.6177	3.6002	-0.0175
13	30	LDR Biased	3.6299	3.6246	-0.0053
14	30	LDR Biased	3.6315	3.6215	-0.01
15	30	LDR Biased	3.6368	3.6271	-0.0097
16	50	LDR Biased	3.6236	3.601	-0.0226
17	50	LDR Biased	3.6458	3.6248	-0.021
18	50	LDR Biased	3.6099	3.5888	-0.0211
19	50	LDR Biased	3.6374	3.611	-0.0264
20	50	LDR Biased	3.6315	3.6098	-0.0217
21	100	LDR Biased	3.6355	3.6076	-0.0279
22	100	LDR Biased	3.6414	3.5954	-0.046
23	100	LDR Biased	3.6439	3.6098	-0.0341
24	100	LDR Biased	3.6321	3.5939	-0.0382
25	100	LDR Biased	3.6583	3.6195	-0.0388
26	3	LDR Unbiased	3.6502	3.6526	0.0024
27	3	LDR Unbiased	3.6333	3.6342	0.0009
28	3	LDR Unbiased	3.6368	3.6357	-0.0011
29	3	LDR Unbiased	3.6418	3.6392	-0.0026
30	3	LDR Unbiased	3.6343	3.6354	0.0011
31	10	LDR Unbiased	3.6243	3.6245	0.0002
32	10	LDR Unbiased	3.6252	3.6267	0.0015
33	10	LDR Unbiased	3.6183	3.6164	-0.0019
34	10	LDR Unbiased	3.6296	3.6292	-0.0004
35	10	LDR Unbiased	3.6296	3.6295	-0.0001
36	30	LDR Unbiased	3.6333	3.6327	-0.0006
37	30	LDR Unbiased	3.6549	3.6496	-0.0053
38	30	LDR Unbiased	3.6205	3.6212	0.0007
39	30	LDR Unbiased	3.6324	3.6333	0.0009
40	30	LDR Unbiased	3.6527	3.6477	-0.005
41	50	LDR Unbiased	3.6218	3.6163	-0.0055
42	50	LDR Unbiased	3.6177	3.6201	0.0024
43	50	LDR Unbiased	3.6318	3.6266	-0.0052
44	50	LDR Unbiased	3.633	3.6326	-0.0004
45	50	LDR Unbiased	3.6261	3.6291	0.003
46	100	LDR Unbiased	3.6352	3.637	0.0018
47	100	LDR Unbiased	3.6318	3.6273	-0.0045
48	100	LDR Unbiased	3.618	3.6114	-0.0066
49	100	LDR Unbiased	3.6493	3.6482	-0.0011
50	100	LDR Unbiased	3.6424	3.6376	-0.0048
60	0	Correlation	3.638	3.6373	-0.0007
61	0	Correlation	3.6349	3.6332	-0.0017
62	0	Correlation	3.6436	3.6442	0.0006
63	0	Correlation	3.6508	3.6514	0.0006
64	0	Correlation	3.6349	3.6339	-0.001
65	0	Correlation	3.619	3.6189	-0.0001

Test Statistics (V)

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	3.619	3.6369	3.6508	0.010656	3.6189	3.6365	3.6514	0.011039	-0.0017	-0.00038333	0.0006	0.0009196
3	3.6099	3.6379	3.6502	0.011068	3.6086	3.6382	3.6526	0.011927	-0.0026	0.00031	0.0039	0.0021845
10	3.6183	3.6325	3.6549	0.010685	3.6164	3.6299	3.6482	0.0091277	-0.0069	-0.00261	0.0015	0.0031146
30	3.6177	3.6349	3.6549	0.011965	3.6002	3.6284	3.6496	0.014071	-0.0175	-0.00653	0.0009	0.0061375
50	3.6099	3.6279	3.6458	0.010284	3.5888	3.616	3.6326	0.013671	-0.0264	-0.01185	0.003	0.011704
100	3.618	3.6388	3.6583	0.010988	3.5939	3.6188	3.6482	0.018411	-0.046	-0.02002	0.0018	0.018575

Device Test: 14.18 _THRESHOLD|HYST/VIN/12////@UVLO_HYST_VIN





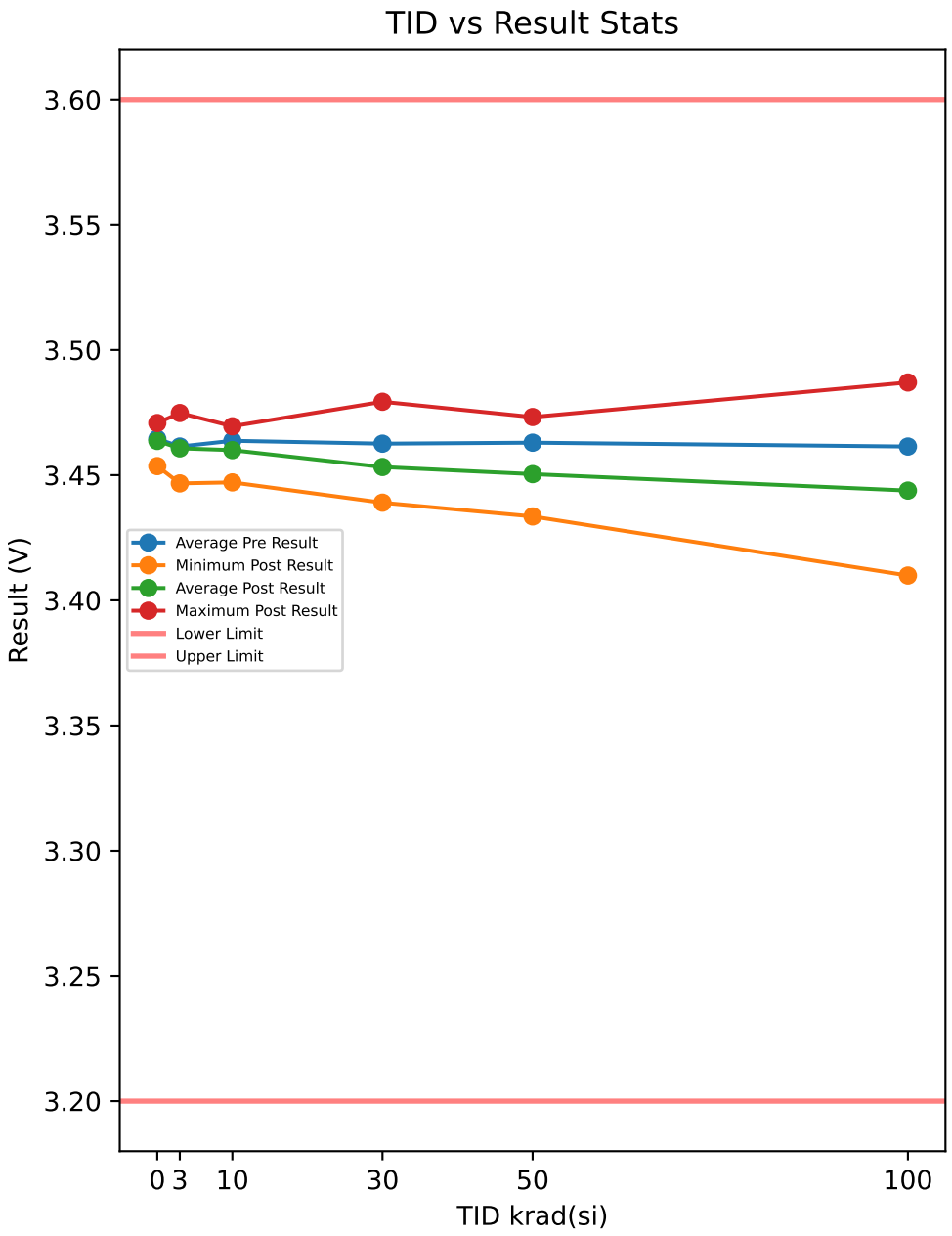
Test Results (Lower Limit = 140.0, Upper Limit = 170.0 (mV))

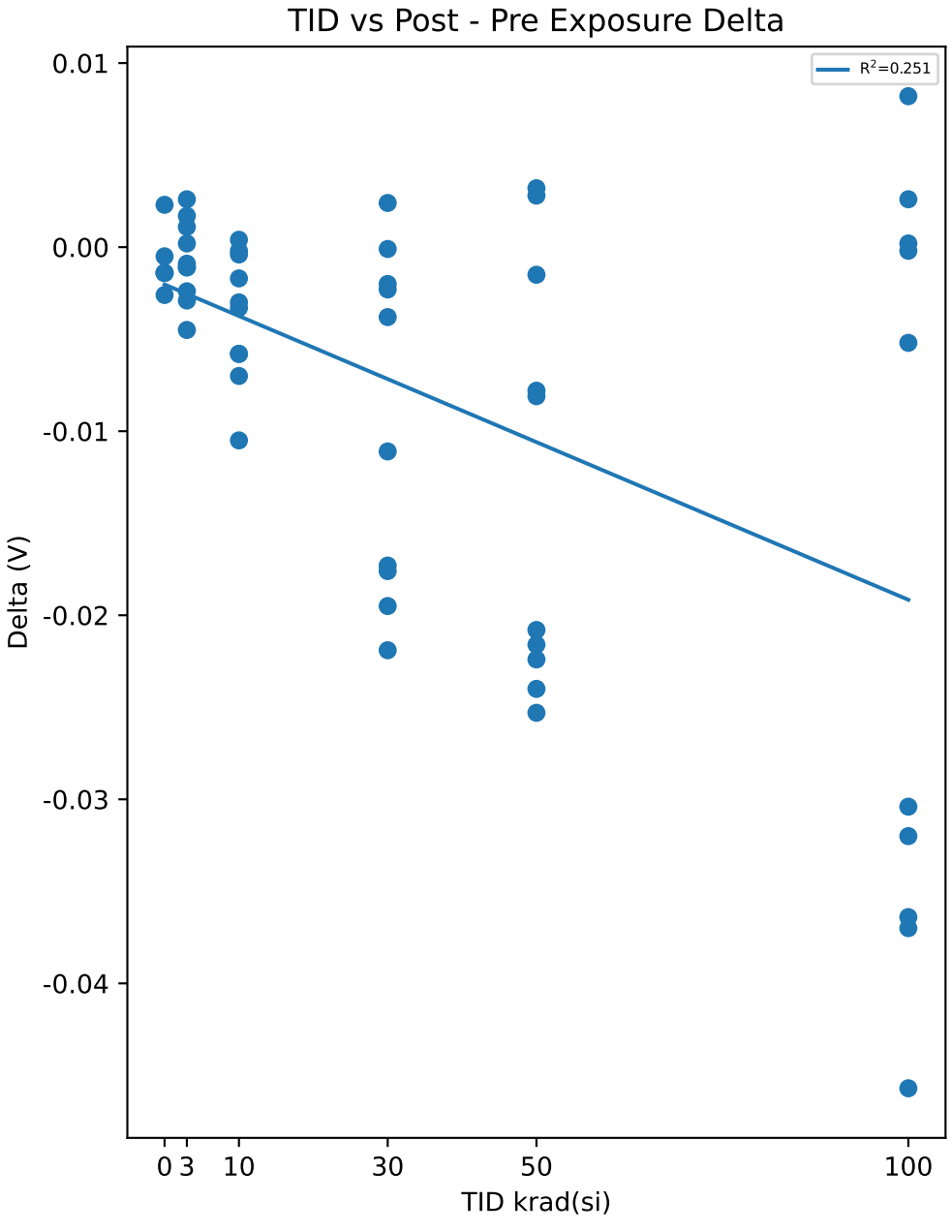
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	LDR Biased	154.9	155.84	0.9372
2	3	LDR Biased	154.59	154.28	-0.3121
3	3	LDR Biased	155.53	157.4	1.874
4	3	LDR Biased	157.4	157.09	-0.3121
5	3	LDR Biased	154.28	158.03	3.7477
6	10	LDR Biased	155.84	153.97	-1.8738
7	10	LDR Biased	155.84	155.53	-0.3121
8	10	LDR Biased	157.09	157.71	0.6249
9	10	LDR Biased	154.9	155.21	0.3128
10	10	LDR Biased	155.21	158.34	3.123
11	30	LDR Biased	156.46	155.56	-0.9064
12	30	LDR Biased	155.21	153.68	-1.5311
13	30	LDR Biased	153.34	155.56	2.2168
14	30	LDR Biased	155.21	154.62	-0.5942
15	30	LDR Biased	155.21	158.06	2.8419
16	50	LDR Biased	157.4	155.5	-1.9031
17	50	LDR Biased	157.09	156.12	-0.9648
18	50	LDR Biased	155.84	153.62	-2.2192
19	50	LDR Biased	155.84	152.99	-2.8445
20	50	LDR Biased	154.9	152.99	-1.9078
21	100	LDR Biased	156.78	154.59	-2.1858
22	100	LDR Biased	157.4	155.21	-2.1858
23	100	LDR Biased	157.71	153.65	-4.0598
24	100	LDR Biased	154.59	153.97	-0.6242
25	100	LDR Biased	158.03	153.97	-4.0598
26	3	LDR Unbiased	155.21	157.4	2.1865
27	3	LDR Unbiased	155.53	155.53	0.0005
28	3	LDR Unbiased	157.71	157.09	-0.6244
29	3	LDR Unbiased	157.71	154.9	-2.8107
30	3	LDR Unbiased	156.78	156.46	-0.3123
31	10	LDR Unbiased	155.21	155.53	0.3125
32	10	LDR Unbiased	155.21	156.15	0.9372
33	10	LDR Unbiased	155.21	154.9	-0.3121
34	10	LDR Unbiased	155.21	156.46	1.2496
35	10	LDR Unbiased	155.84	158.03	2.186
36	30	LDR Unbiased	157.09	156.18	-0.9057
37	30	LDR Unbiased	157.09	156.81	-0.2815
38	30	LDR Unbiased	153.97	154.31	0.3426
39	30	LDR Unbiased	154.9	153.68	-1.2188
40	30	LDR Unbiased	157.4	158.68	1.2806
41	50	LDR Unbiased	156.78	156.44	-0.3397
42	50	LDR Unbiased	154.9	157.37	2.4724
43	50	LDR Unbiased	156.46	154.87	-1.5919
44	50	LDR Unbiased	153.97	153.93	-0.0322
45	50	LDR Unbiased	155.84	156.12	0.2842
46	100	LDR Unbiased	157.09	156.46	-0.6241
47	100	LDR Unbiased	153.97	154.28	0.3126
48	100	LDR Unbiased	156.78	155.84	-0.9368
49	100	LDR Unbiased	156.15	156.15	0
50	100	LDR Unbiased	158.34	153.65	-4.6842
60	0	Correlation	156.46	155.84	-0.6239
61	0	Correlation	155.84	154.59	-1.2491
62	0	Correlation	157.09	158.96	1.874
63	0	Correlation	155.84	156.15	0.3125
64	0	Correlation	155.84	154.9	-0.937
65	0	Correlation	154.9	155.21	0.3126

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	154.9	155.99	157.09	0.7324	154.59	155.94	158.96	1.5883	-1.2491	-0.051817	1.874	1.1418
3	154.28	155.96	157.71	1.3184	154.28	156.4	158.03	1.2212	-2.8107	0.43743	3.7477	1.8222
10	154.9	155.56	157.09	0.63241	153.97	156.18	158.34	1.4458	-1.8738	0.6248	3.123	1.3888
30	153.34	155.59	157.4	1.3794	153.68	155.71	158.68	1.7375	-1.5311	0.12442	2.8419	1.5091
50	153.97	155.9	157.4	1.0798	152.99	155	157.37	1.5483	-2.8445	-0.90466	2.4724	1.5588
100	153.97	156.68	158.34	1.4277	153.65	154.78	156.46	1.0637	-4.6842	-1.9048	0.3126	1.8237

Device Test: 14.19 _THRESHOLD|RISE/PVIN/14////@UVLO_RISE_PVIN





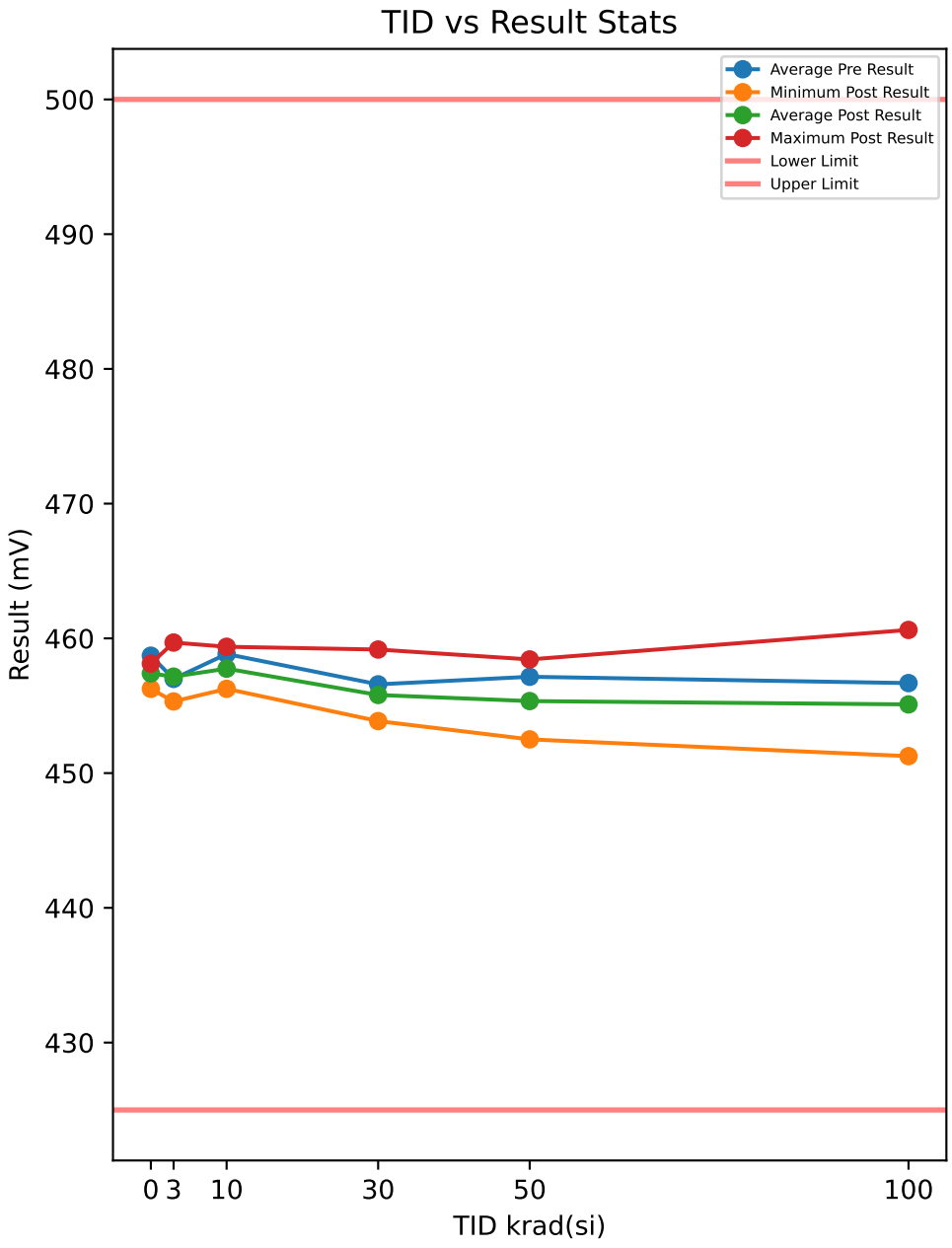
Test Results (Lower Limit = 3.2, Upper Limit = 3.6 (V))

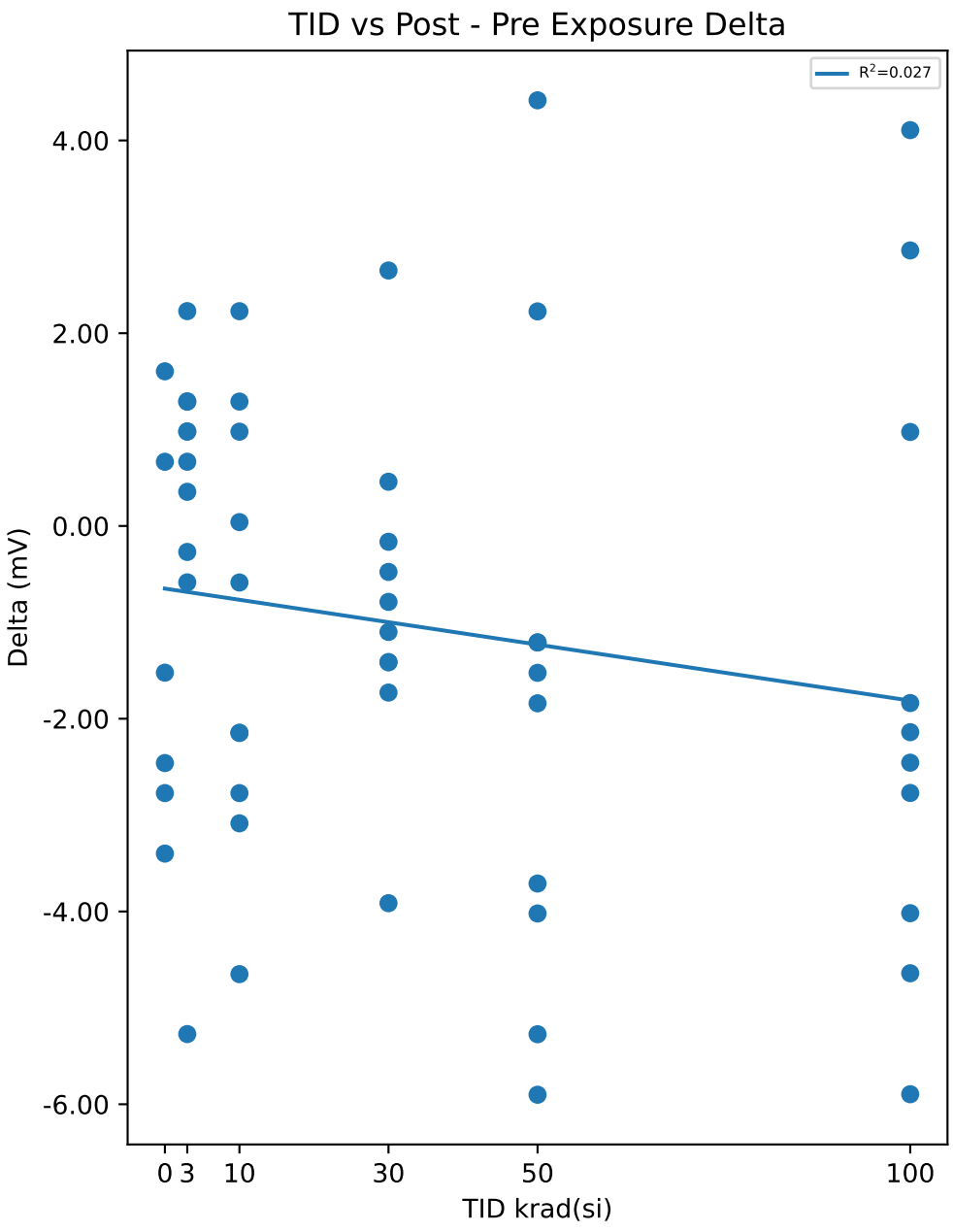
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	LDR Biased	3.4628	3.4599	-0.0029
2	3	LDR Biased	3.4581	3.4536	-0.0045
3	3	LDR Biased	3.4569	3.4545	-0.0024
4	3	LDR Biased	3.4757	3.4748	-0.0009
5	3	LDR Biased	3.4603	3.4605	0.0002
6	10	LDR Biased	3.4678	3.462	-0.0058
7	10	LDR Biased	3.461	3.4552	-0.0058
8	10	LDR Biased	3.4688	3.4658	-0.003
9	10	LDR Biased	3.4541	3.4471	-0.007
10	10	LDR Biased	3.48	3.4695	-0.0105
11	30	LDR Biased	3.456	3.4449	-0.0111
12	30	LDR Biased	3.4625	3.4406	-0.0219
13	30	LDR Biased	3.4563	3.439	-0.0173
14	30	LDR Biased	3.4572	3.4396	-0.0176
15	30	LDR Biased	3.4663	3.4468	-0.0195
16	50	LDR Biased	3.4588	3.4335	-0.0253
17	50	LDR Biased	3.4757	3.4541	-0.0216
18	50	LDR Biased	3.4628	3.4404	-0.0224
19	50	LDR Biased	3.4681	3.4473	-0.0208
20	50	LDR Biased	3.4706	3.4466	-0.024
21	100	LDR Biased	3.4403	3.4099	-0.0304
22	100	LDR Biased	3.4669	3.4349	-0.032
23	100	LDR Biased	3.4469	3.4099	-0.037
24	100	LDR Biased	3.4731	3.4367	-0.0364
25	100	LDR Biased	3.4753	3.4296	-0.0457
26	3	LDR Unbiased	3.4541	3.4567	0.0026
27	3	LDR Unbiased	3.4641	3.4658	0.0017
28	3	LDR Unbiased	3.4669	3.468	0.0011
29	3	LDR Unbiased	3.4478	3.4467	-0.0011
30	3	LDR Unbiased	3.4675	3.4664	-0.0011
31	10	LDR Unbiased	3.4538	3.4536	-0.0002
32	10	LDR Unbiased	3.4641	3.4645	0.0004
33	10	LDR Unbiased	3.4588	3.4555	-0.0033
34	10	LDR Unbiased	3.4681	3.4677	-0.0004
35	10	LDR Unbiased	3.4606	3.4589	-0.0017
36	30	LDR Unbiased	3.4541	3.454	-0.0001
37	30	LDR Unbiased	3.4675	3.4637	-0.0038
38	30	LDR Unbiased	3.4653	3.463	-0.0023
39	30	LDR Unbiased	3.4591	3.4615	0.0024
40	30	LDR Unbiased	3.4813	3.4793	-0.002
41	50	LDR Unbiased	3.4491	3.4519	0.0028
42	50	LDR Unbiased	3.4469	3.4391	-0.0078
43	50	LDR Unbiased	3.47	3.4732	0.0032
44	50	LDR Unbiased	3.4481	3.4466	-0.0015
45	50	LDR Unbiased	3.4794	3.4713	-0.0081
46	100	LDR Unbiased	3.4641	3.4639	-0.0002
47	100	LDR Unbiased	3.455	3.4552	0.0002
48	100	LDR Unbiased	3.4491	3.4517	0.0026
49	100	LDR Unbiased	3.4788	3.487	0.0082
50	100	LDR Unbiased	3.4647	3.4595	-0.0052
60	0	Correlation	3.465	3.4636	-0.0014
61	0	Correlation	3.4731	3.4705	-0.0026
62	0	Correlation	3.4513	3.4536	0.0023
63	0	Correlation	3.4722	3.4708	-0.0014
64	0	Correlation	3.4572	3.4567	-0.0005
65	0	Correlation	3.4681	3.4667	-0.0014

Test Statistics (V)

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	3.4513	3.4645	3.4731	0.0086486	3.4536	3.4636	3.4708	0.0071646	-0.0026	-0.00083333	0.0023	0.0016741
3	3.4478	3.4614	3.4757	0.0078301	3.4467	3.4607	3.4748	0.0082471	-0.0045	-0.00073	0.0026	0.0021914
10	3.4538	3.4637	3.48	0.0078818	3.4471	3.46	3.4695	0.0071437	-0.0105	-0.00373	0.0004	0.0035046
30	3.4541	3.4626	3.4813	0.0081075	3.439	3.4532	3.4793	0.013384	-0.0219	-0.00932	0.0024	0.0091469
50	3.4469	3.463	3.4794	0.011809	3.4335	3.4504	3.4732	0.013014	-0.0253	-0.01255	0.0032	0.011493
100	3.4403	3.4614	3.4788	0.013034	3.4099	3.4438	3.487	0.024356	-0.0457	-0.01759	0.0082	0.020379

Device Test: 14.21 _THRESHOLD|HYST/PVIN/14////@UVLO_HYST_PVIN





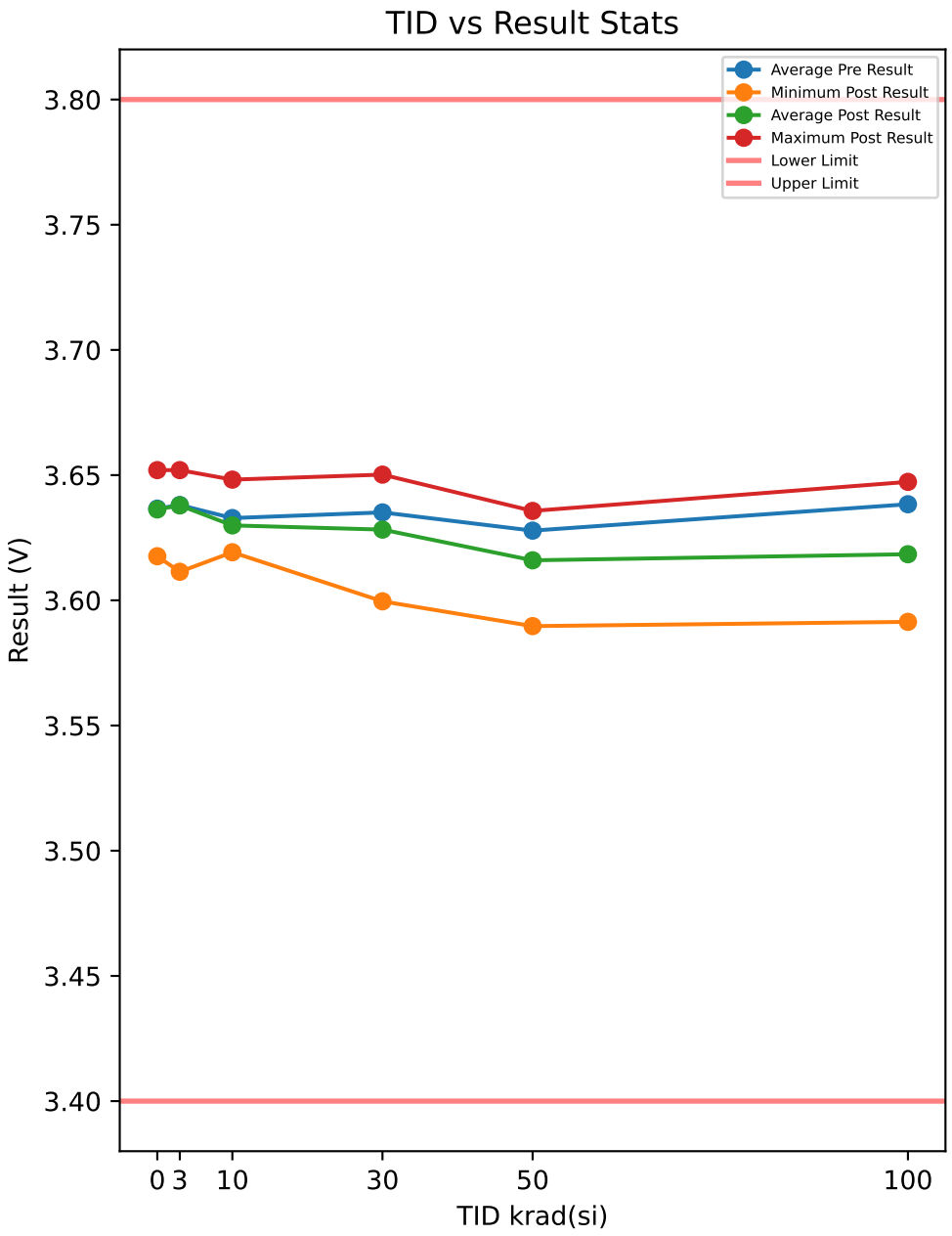
Test Results (Lower Limit = 425.0, Upper Limit = 500.0 (mV))

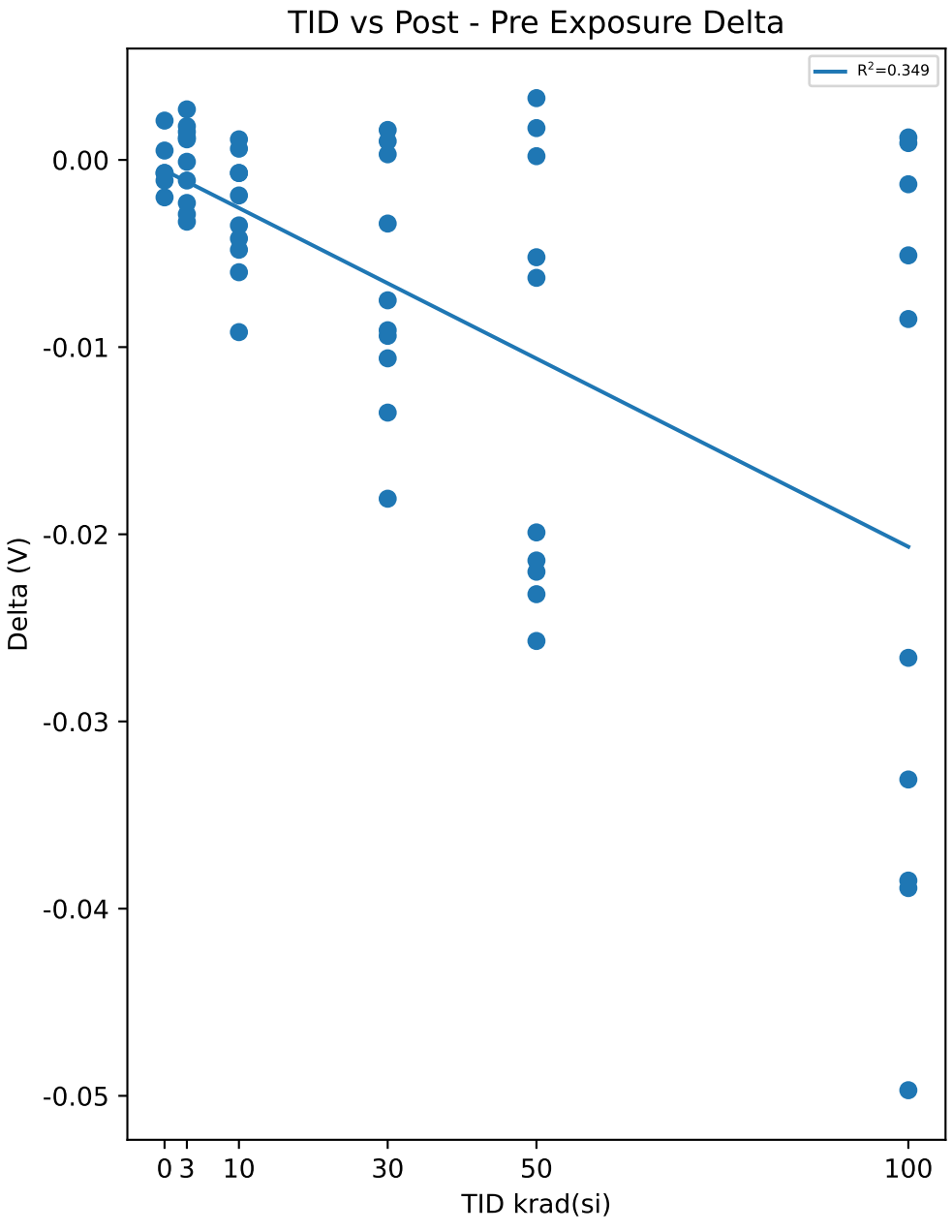
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	LDR Biased	460.59	455.32	-5.2717
2	3	LDR Biased	456.52	456.88	0.3545
3	3	LDR Biased	456.21	457.19	0.9796
4	3	LDR Biased	456.21	458.44	2.2289
5	3	LDR Biased	454.96	456.25	1.2934
6	10	LDR Biased	457.15	458.44	1.2908
7	10	LDR Biased	458.4	456.25	-2.1463
8	10	LDR Biased	459.03	456.88	-2.1472
9	10	LDR Biased	456.52	458.75	2.2282
10	10	LDR Biased	462.78	458.13	-4.6501
11	30	LDR Biased	453.4	456.05	2.6507
12	30	LDR Biased	455.59	454.17	-1.4126
13	30	LDR Biased	454.96	453.86	-1.0996
14	30	LDR Biased	455.59	454.8	-0.7877
15	30	LDR Biased	456.84	455.42	-1.4138
16	50	LDR Biased	456.52	452.5	-4.0207
17	50	LDR Biased	461.84	455.94	-5.9013
18	50	LDR Biased	455.27	454.06	-1.2086
19	50	LDR Biased	457.46	455.94	-1.5238
20	50	LDR Biased	457.46	453.75	-3.7098
21	100	LDR Biased	453.4	451.26	-2.1396
22	100	LDR Biased	460.59	454.69	-5.8961
23	100	LDR Biased	455.9	451.26	-4.6411
24	100	LDR Biased	456.84	454.38	-2.4561
25	100	LDR Biased	456.84	452.82	-4.0178
26	3	LDR Unbiased	455.59	456.57	0.9806
27	3	LDR Unbiased	458.4	459.69	1.2892
28	3	LDR Unbiased	458.71	458.13	-0.5851
29	3	LDR Unbiased	455.9	455.63	-0.2694
30	3	LDR Unbiased	456.84	457.5	0.6664
31	10	LDR Unbiased	458.4	458.44	0.0399
32	10	LDR Unbiased	457.15	458.13	0.9783
33	10	LDR Unbiased	459.34	456.57	-2.7719
34	10	LDR Unbiased	459.96	459.38	-0.5865
35	10	LDR Unbiased	459.65	456.57	-3.0852
36	30	LDR Unbiased	456.84	456.67	-0.1642
37	30	LDR Unbiased	459.03	457.3	-1.7286
38	30	LDR Unbiased	458.09	454.17	-3.9139
39	30	LDR Unbiased	456.84	456.36	-0.4768
40	30	LDR Unbiased	458.71	459.17	0.4587
41	50	LDR Unbiased	452.46	456.88	4.4163
42	50	LDR Unbiased	459.34	454.06	-5.2736
43	50	LDR Unbiased	455.9	458.12	2.2261
44	50	LDR Unbiased	454.96	453.75	-1.2083
45	50	LDR Unbiased	460.28	458.44	-1.8399
46	100	LDR Unbiased	460.9	459.06	-1.8373
47	100	LDR Unbiased	451.83	454.69	2.8588
48	100	LDR Unbiased	452.77	456.88	4.107
49	100	LDR Unbiased	459.65	460.63	0.9754
50	100	LDR Unbiased	458.09	455.32	-2.7704
60	0	Correlation	458.71	457.19	-1.5221
61	0	Correlation	461.53	458.13	-3.3991
62	0	Correlation	455.9	457.5	1.6045
63	0	Correlation	459.65	457.19	-2.46
64	0	Correlation	459.03	456.25	-2.7717
65	0	Correlation	457.46	458.13	0.6659

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	455.9	458.71	461.53	1.9174	456.25	457.4	458.13	0.70301	-3.3991	-1.3138	1.6045	2.0133
3	454.96	456.99	460.59	1.7205	455.32	457.16	459.69	1.3367	-5.2717	0.16664	2.2289	2.0742
10	456.52	458.84	462.78	1.8005	456.25	457.75	459.38	1.0898	-4.6501	-1.085	2.2282	2.2162
30	453.4	456.59	459.03	1.7553	453.86	455.8	459.17	1.6646	-3.9139	-0.78878	2.6507	1.6799
50	452.46	457.15	461.84	2.7695	452.5	455.35	458.44	2.0209	-5.9013	-1.8044	4.4163	3.2162
100	451.83	456.68	460.9	3.2336	451.26	455.1	460.63	3.0741	-5.8961	-1.5817	4.107	3.2503

Device Test: 14.22 _THRESHOLD|RISE/VIN/14////@UVLO_RISE_VIN





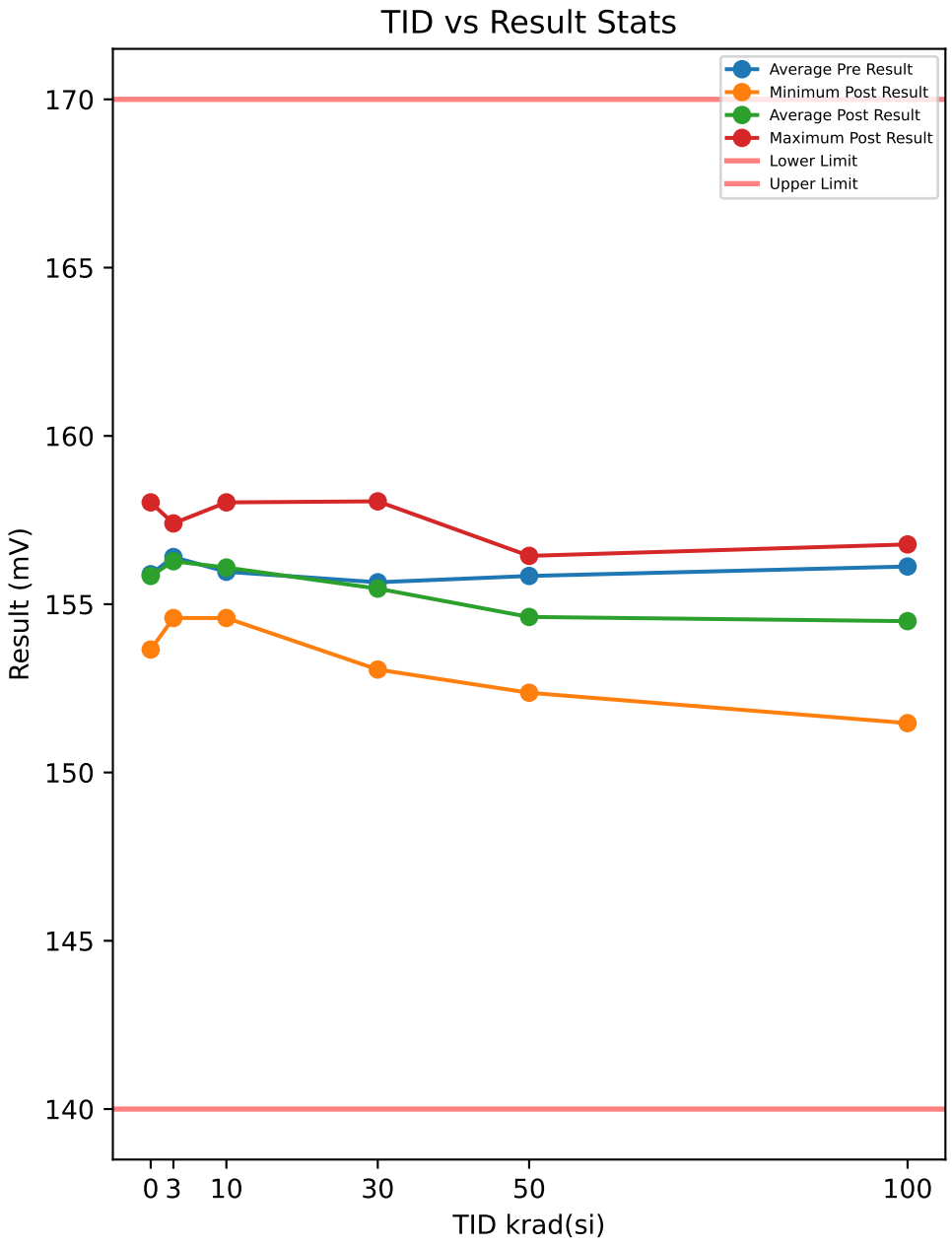
Test Results (Lower Limit = 3.4, Upper Limit = 3.8 (V))

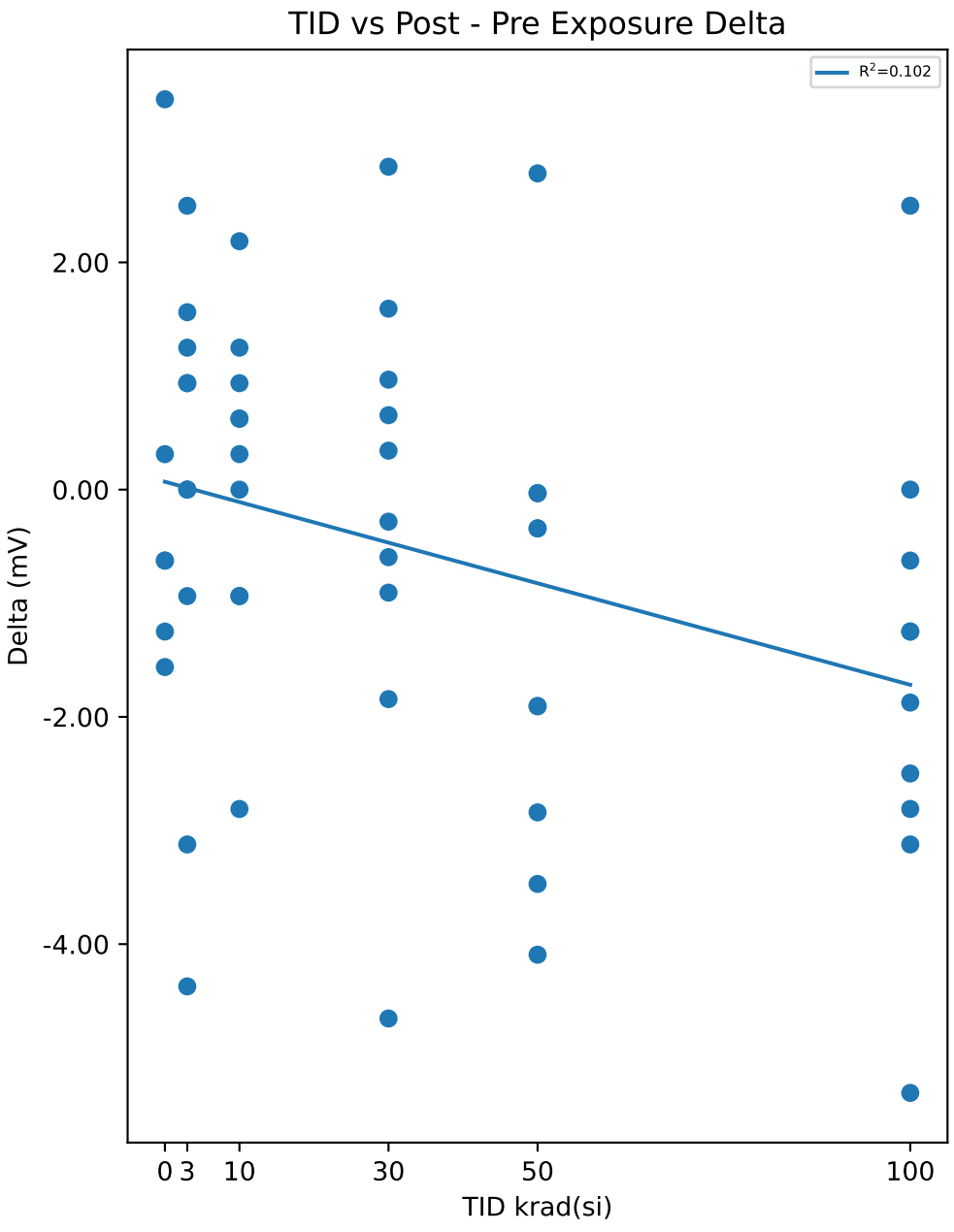
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	LDR Biased	3.6433	3.6432	-0.0001
2	3	LDR Biased	3.6099	3.6114	0.0015
3	3	LDR Biased	3.643	3.6401	-0.0029
4	3	LDR Biased	3.643	3.6407	-0.0023
5	3	LDR Biased	3.6464	3.6476	0.0012
6	10	LDR Biased	3.6408	3.6348	-0.006
7	10	LDR Biased	3.6574	3.6482	-0.0092
8	10	LDR Biased	3.6327	3.6279	-0.0048
9	10	LDR Biased	3.6268	3.6226	-0.0042
10	10	LDR Biased	3.6436	3.6401	-0.0035
11	30	LDR Biased	3.6396	3.6261	-0.0135
12	30	LDR Biased	3.6177	3.5996	-0.0181
13	30	LDR Biased	3.6324	3.6249	-0.0075
14	30	LDR Biased	3.6318	3.6212	-0.0106
15	30	LDR Biased	3.6368	3.6274	-0.0094
16	50	LDR Biased	3.6236	3.6004	-0.0232
17	50	LDR Biased	3.6458	3.6238	-0.022
18	50	LDR Biased	3.6096	3.5897	-0.0199
19	50	LDR Biased	3.638	3.6123	-0.0257
20	50	LDR Biased	3.6318	3.6104	-0.0214
21	100	LDR Biased	3.6361	3.6095	-0.0266
22	100	LDR Biased	3.6411	3.5914	-0.0497
23	100	LDR Biased	3.6439	3.6108	-0.0331
24	100	LDR Biased	3.634	3.5951	-0.0389
25	100	LDR Biased	3.6574	3.6189	-0.0385
26	3	LDR Unbiased	3.6493	3.652	0.0027
27	3	LDR Unbiased	3.633	3.6348	0.0018
28	3	LDR Unbiased	3.6368	3.6357	-0.0011
29	3	LDR Unbiased	3.6418	3.6385	-0.0033
30	3	LDR Unbiased	3.634	3.6351	0.0011
31	10	LDR Unbiased	3.624	3.6251	0.0011
32	10	LDR Unbiased	3.6258	3.6251	-0.0007
33	10	LDR Unbiased	3.6186	3.6192	0.0006
34	10	LDR Unbiased	3.6302	3.6295	-0.0007
35	10	LDR Unbiased	3.6286	3.6267	-0.0019
36	30	LDR Unbiased	3.6324	3.634	0.0016
37	30	LDR Unbiased	3.6536	3.6502	-0.0034
38	30	LDR Unbiased	3.6208	3.6218	0.001
39	30	LDR Unbiased	3.6333	3.6336	0.0003
40	30	LDR Unbiased	3.6527	3.6436	-0.0091
41	50	LDR Unbiased	3.6215	3.6163	-0.0052
42	50	LDR Unbiased	3.618	3.6182	0.0002
43	50	LDR Unbiased	3.6311	3.6248	-0.0063
44	50	LDR Unbiased	3.6324	3.6357	0.0033
45	50	LDR Unbiased	3.6265	3.6282	0.0017
46	100	LDR Unbiased	3.6358	3.6367	0.0009
47	100	LDR Unbiased	3.6327	3.6276	-0.0051
48	100	LDR Unbiased	3.6177	3.6092	-0.0085
49	100	LDR Unbiased	3.6461	3.6473	0.0012
50	100	LDR Unbiased	3.6389	3.6376	-0.0013
60	0	Correlation	3.6377	3.6382	0.0005
61	0	Correlation	3.6349	3.6329	-0.002
62	0	Correlation	3.6443	3.6432	-0.0011
63	0	Correlation	3.6499	3.652	0.0021
64	0	Correlation	3.6346	3.6339	-0.0007
65	0	Correlation	3.6183	3.6176	-0.0007

Test Statistics (V)

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	3.6183	3.6366	3.6499	0.010763	3.6176	3.6363	3.652	0.01153	-0.002	-0.00031667	0.0021	0.0014317
3	3.6099	3.638	3.6493	0.011169	3.6114	3.6379	3.652	0.010845	-0.0033	-0.00014	0.0027	0.0021355
10	3.6186	3.6328	3.6574	0.011423	3.6192	3.6299	3.6482	0.0087635	-0.0092	-0.00293	0.0011	0.0032297
30	3.6177	3.6351	3.6536	0.0116	3.5996	3.6282	3.6502	0.013775	-0.0181	-0.00687	0.0016	0.0066071
50	3.6096	3.6278	3.6458	0.010341	3.5897	3.616	3.6357	0.013582	-0.0257	-0.01185	0.0033	0.01161
100	3.6177	3.6384	3.6574	0.010277	3.5914	3.6184	3.6473	0.01861	-0.0497	-0.01996	0.0012	0.019399

Device Test: 14.24 _THRESHOLD|HYST/VIN/14////@UVLO_HYST_VIN





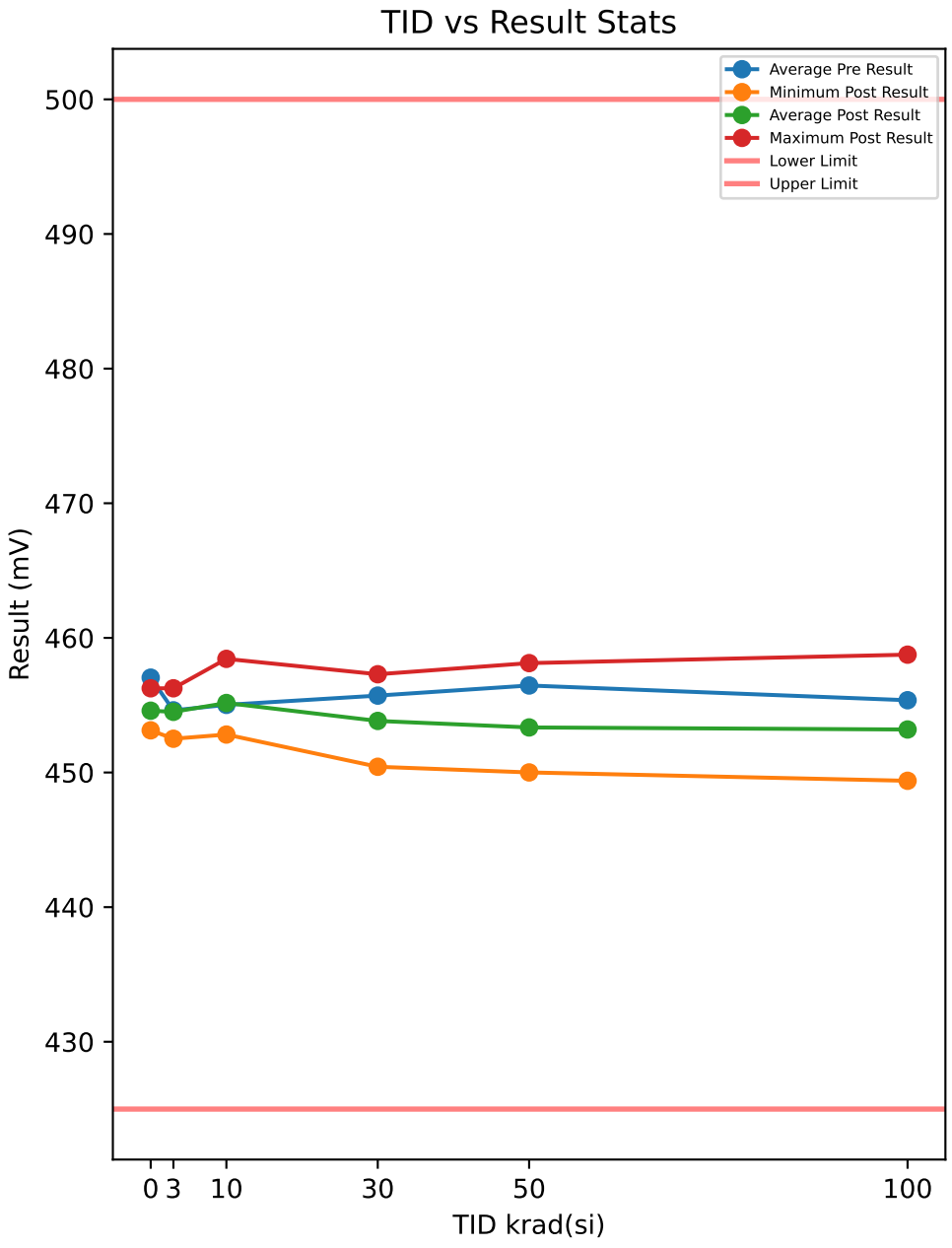
Test Results (Lower Limit = 140.0, Upper Limit = 170.0 (mV))

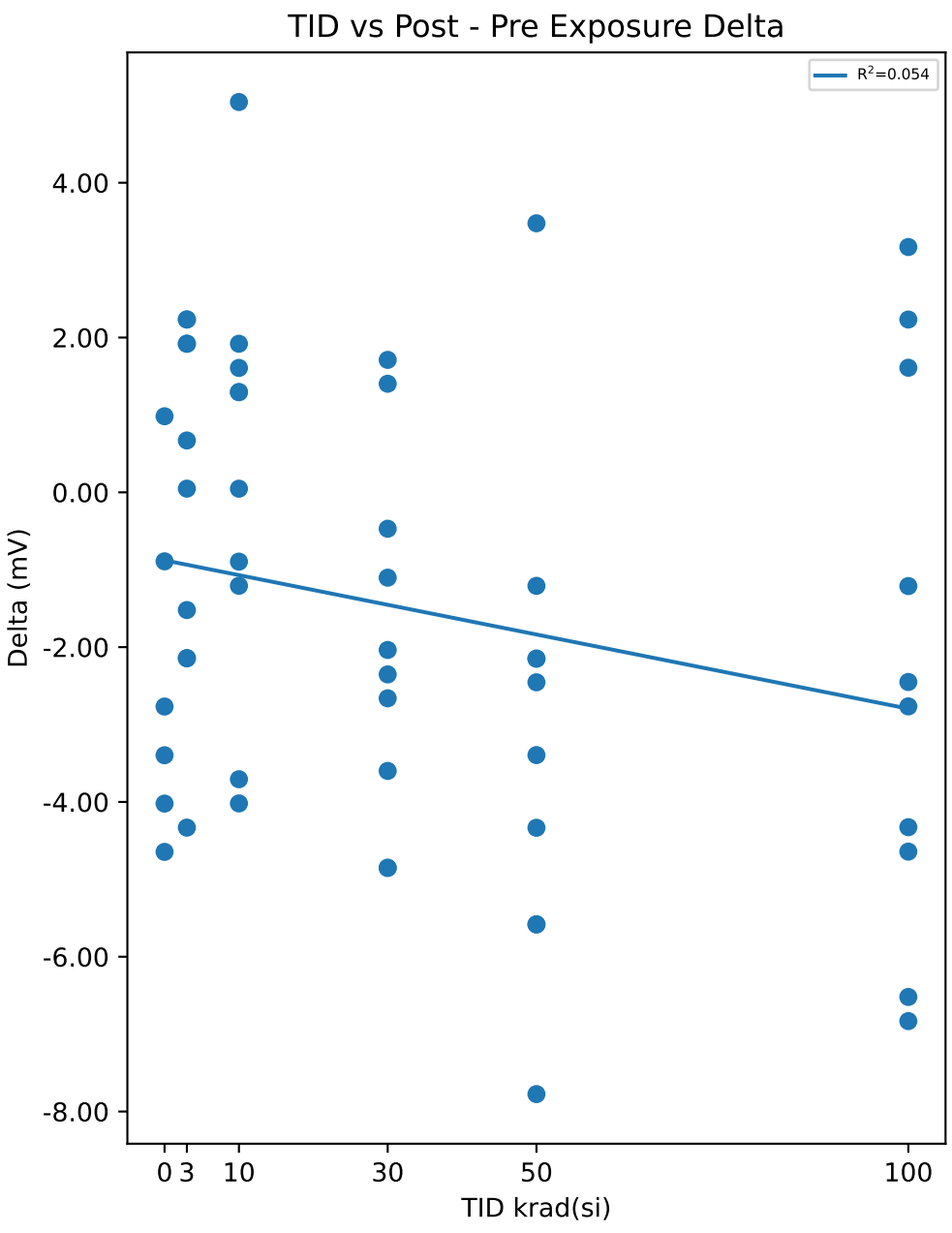
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	LDR Biased	154.59	155.53	0.9372
2	3	LDR Biased	154.9	157.4	2.4984
3	3	LDR Biased	157.71	154.59	-3.123
4	3	LDR Biased	156.78	156.78	0.0005
5	3	LDR Biased	156.46	157.4	0.937
6	10	LDR Biased	155.53	154.59	-0.9369
7	10	LDR Biased	158.34	155.53	-2.8105
8	10	LDR Biased	156.46	157.71	1.2496
9	10	LDR Biased	155.53	155.84	0.3126
10	10	LDR Biased	157.09	157.09	0
11	30	LDR Biased	155.21	155.87	0.6552
12	30	LDR Biased	154.9	154.31	-0.5942
13	30	LDR Biased	155.84	155.56	-0.2818
14	30	LDR Biased	155.21	154.31	-0.9067
15	30	LDR Biased	155.21	158.06	2.8419
16	50	LDR Biased	157.4	153.31	-4.0932
17	50	LDR Biased	157.09	155.18	-1.9035
18	50	LDR Biased	155.53	155.18	-0.3421
19	50	LDR Biased	158.02	155.18	-2.8405
20	50	LDR Biased	155.21	153.31	-1.9073
21	100	LDR Biased	156.78	156.78	0.0003
22	100	LDR Biased	156.78	151.47	-5.3094
23	100	LDR Biased	157.4	154.28	-3.1228
24	100	LDR Biased	156.46	155.21	-1.2491
25	100	LDR Biased	155.84	153.34	-2.4981
26	3	LDR Unbiased	154.9	156.46	1.5616
27	3	LDR Unbiased	155.53	156.78	1.2491
28	3	LDR Unbiased	157.71	156.78	-0.937
29	3	LDR Unbiased	158.96	154.59	-4.3719
30	3	LDR Unbiased	156.46	156.46	0.0003
31	10	LDR Unbiased	155.21	156.15	0.937
32	10	LDR Unbiased	155.53	154.59	-0.9365
33	10	LDR Unbiased	155.84	158.03	2.1863
34	10	LDR Unbiased	155.84	156.46	0.6247
35	10	LDR Unbiased	154.28	154.9	0.6249
36	30	LDR Unbiased	156.15	157.74	1.5926
37	30	LDR Unbiased	156.15	157.12	0.9679
38	30	LDR Unbiased	154.59	154.93	0.3429
39	30	LDR Unbiased	155.53	153.68	-1.8435
40	30	LDR Unbiased	157.71	153.06	-4.6546
41	50	LDR Unbiased	156.46	156.12	-0.3402
42	50	LDR Unbiased	153.96	153.93	-0.032
43	50	LDR Unbiased	155.84	152.37	-3.4702
44	50	LDR Unbiased	153.65	156.44	2.7833
45	50	LDR Unbiased	155.21	155.18	-0.0298
46	100	LDR Unbiased	158.03	156.78	-1.249
47	100	LDR Unbiased	155.21	154.59	-0.6244
48	100	LDR Unbiased	156.46	153.65	-2.8105
49	100	LDR Unbiased	153.03	155.53	2.4987
50	100	LDR Unbiased	155.21	153.34	-1.874
60	0	Correlation	156.15	156.46	0.3123
61	0	Correlation	155.84	154.28	-1.5614
62	0	Correlation	158.96	157.71	-1.2489
63	0	Correlation	154.59	158.03	3.4356
64	0	Correlation	155.53	154.9	-0.6246
65	0	Correlation	154.28	153.65	-0.6244

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	154.28	155.89	158.96	1.6692	153.65	155.84	158.03	1.8317	-1.5614	-0.0519	3.4356	1.8255
3	154.59	156.4	158.96	1.441	154.59	156.28	157.4	1.0326	-4.3719	-0.12478	2.4984	2.1496
10	154.28	155.96	158.34	1.1135	154.59	156.09	158.03	1.2387	-2.8105	0.12512	2.1863	1.3982
30	154.59	155.65	157.71	0.88581	153.06	155.46	158.06	1.7239	-4.6546	-0.18803	2.8419	2.0565
50	153.65	155.84	158.02	1.4273	152.37	154.62	156.44	1.3258	-4.0932	-1.2175	2.7833	2.0353
100	153.03	156.12	158.03	1.4002	151.47	154.5	156.78	1.653	-5.3094	-1.6238	2.4987	2.0811

Device Test: 14.3 _THRESHOLD|HYST/PVIN/4.5////@UVLO_HYST_PVIN





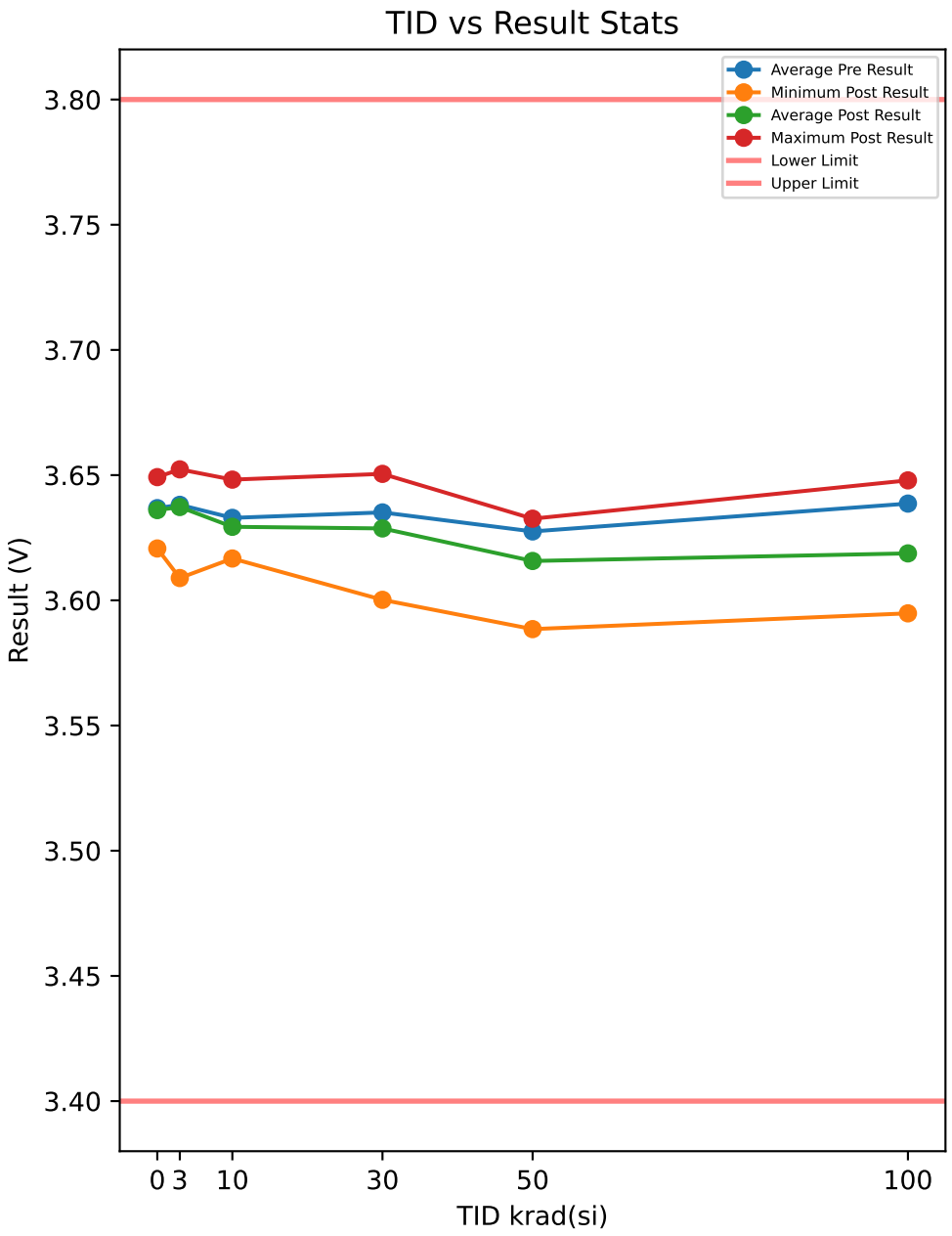
Test Results (Lower Limit = 425.0, Upper Limit = 500.0 (mV))

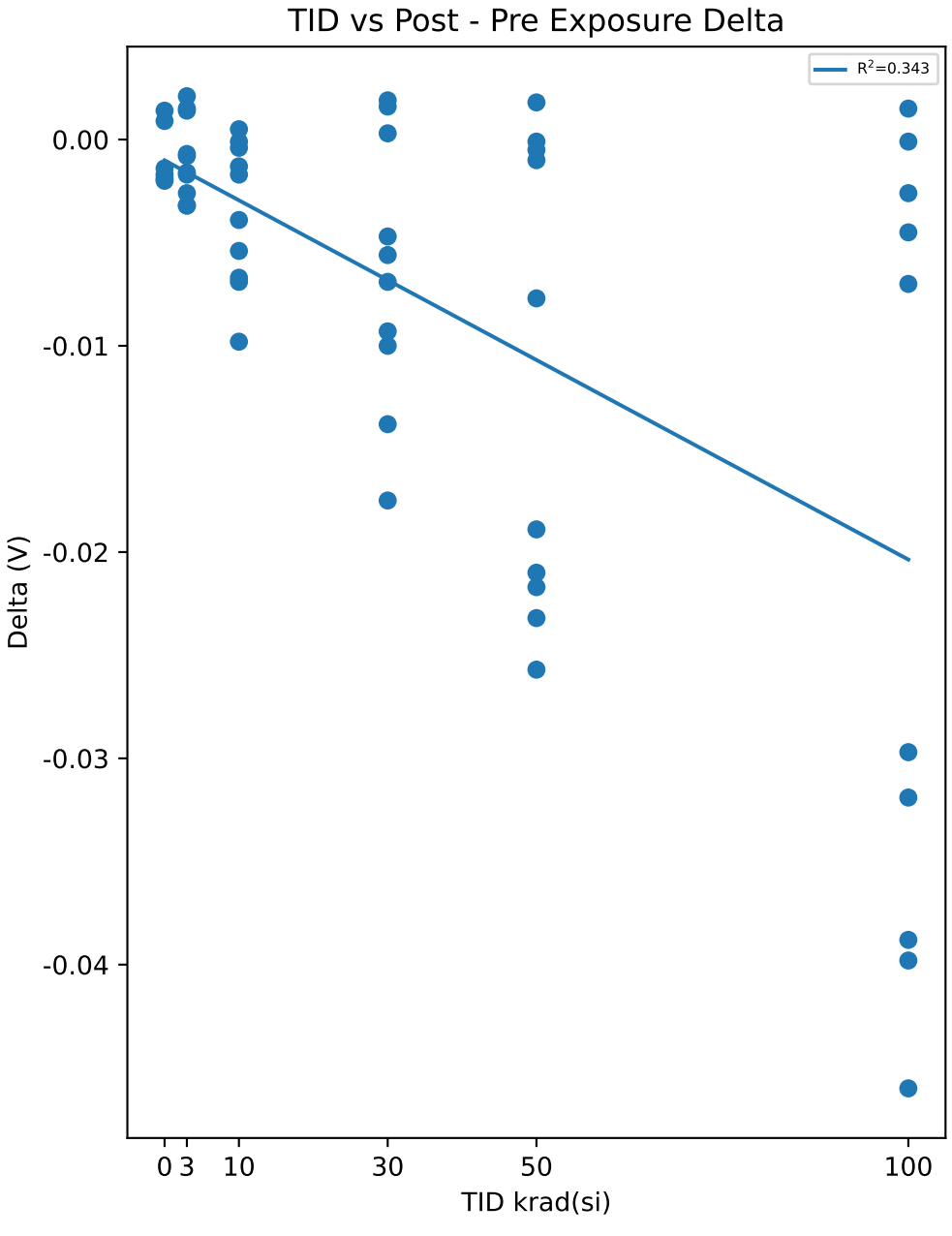
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	LDR Biased	453.71	454.38	0.6702
2	3	LDR Biased	455.27	453.13	-2.1417
3	3	LDR Biased	451.83	454.07	2.2345
4	3	LDR Biased	453.4	455.63	2.2323
5	3	LDR Biased	456.84	454.69	-2.1443
6	10	LDR Biased	453.08	454.38	1.2958
7	10	LDR Biased	458.09	454.07	-4.0193
8	10	LDR Biased	456.52	455.32	-1.2071
9	10	LDR Biased	454.34	455.63	1.2941
10	10	LDR Biased	453.4	458.44	5.043
11	30	LDR Biased	455.9	452.3	-3.5994
12	30	LDR Biased	457.15	452.3	-4.8497
13	30	LDR Biased	451.52	452.92	1.4031
14	30	LDR Biased	450.9	450.43	-0.4702
15	30	LDR Biased	454.96	452.92	-2.0365
16	50	LDR Biased	455.59	450.01	-5.5811
17	50	LDR Biased	462.15	454.38	-7.7751
18	50	LDR Biased	455.27	451.88	-3.3948
19	50	LDR Biased	454.96	453.75	-1.208
20	50	LDR Biased	457.15	452.82	-4.3339
21	100	LDR Biased	454.34	451.57	-2.7654
22	100	LDR Biased	456.52	451.88	-4.642
23	100	LDR Biased	451.83	449.38	-2.4502
24	100	LDR Biased	459.65	452.82	-6.8319
25	100	LDR Biased	453.71	449.38	-4.3263
26	3	LDR Unbiased	452.46	452.51	0.0477
27	3	LDR Unbiased	457.78	456.25	-1.5209
28	3	LDR Unbiased	453.71	455.63	1.9195
29	3	LDR Unbiased	452.77	454.69	1.9209
30	3	LDR Unbiased	458.4	454.07	-4.3318
31	10	LDR Unbiased	453.71	455.32	1.6075
32	10	LDR Unbiased	457.77	454.07	-3.7067
33	10	LDR Unbiased	452.77	452.82	0.047
34	10	LDR Unbiased	456.84	455.94	-0.8952
35	10	LDR Unbiased	453.71	455.63	1.9197
36	30	LDR Unbiased	454.96	452.3	-2.6612
37	30	LDR Unbiased	458.09	455.74	-2.3523
38	30	LDR Unbiased	460.28	455.42	-4.8533
39	30	LDR Unbiased	457.78	456.67	-1.1027
40	30	LDR Unbiased	455.59	457.3	1.7113
41	50	LDR Unbiased	457.46	455.31	-2.1481
42	50	LDR Unbiased	452.46	450.01	-2.4542
43	50	LDR Unbiased	457.78	455.63	-2.1489
44	50	LDR Unbiased	457.15	451.57	-5.583
45	50	LDR Unbiased	454.65	458.12	3.4763
46	100	LDR Unbiased	453.08	456.25	3.1697
47	100	LDR Unbiased	459.65	453.13	-6.5198
48	100	LDR Unbiased	451.83	453.44	1.6098
49	100	LDR Unbiased	459.96	458.75	-1.211
50	100	LDR Unbiased	453.08	455.32	2.2326
60	0	Correlation	459.34	454.69	-4.6454
61	0	Correlation	453.4	454.38	0.983
62	0	Correlation	455.9	453.13	-2.7674
63	0	Correlation	459.65	456.25	-3.3968
64	0	Correlation	454.34	453.44	-0.8914
65	0	Correlation	459.65	455.63	-4.0214

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	453.4	457.05	459.65	2.8567	453.13	454.59	456.25	1.2121	-4.6454	-2.4566	0.983	2.1214
3	451.83	454.62	458.4	2.3234	452.51	454.51	456.25	1.1515	-4.3318	-0.11136	2.2345	2.308
10	452.77	455.02	458.09	2.052	452.82	455.16	458.44	1.5031	-4.0193	0.13788	5.043	2.7289
30	450.9	455.71	460.28	2.8817	450.43	453.83	457.3	2.2737	-4.8533	-1.8811	1.7113	2.3032
50	452.46	456.46	462.15	2.5776	450.01	453.35	458.12	2.6047	-7.7751	-3.1151	3.4763	3.0703
100	451.83	455.37	459.96	3.3059	449.38	453.19	458.75	2.9509	-6.8319	-2.1735	3.1697	3.5738

Device Test: 14.4 _THRESHOLD|RISE/VIN/4.5////@UVLO_RISE_VIN





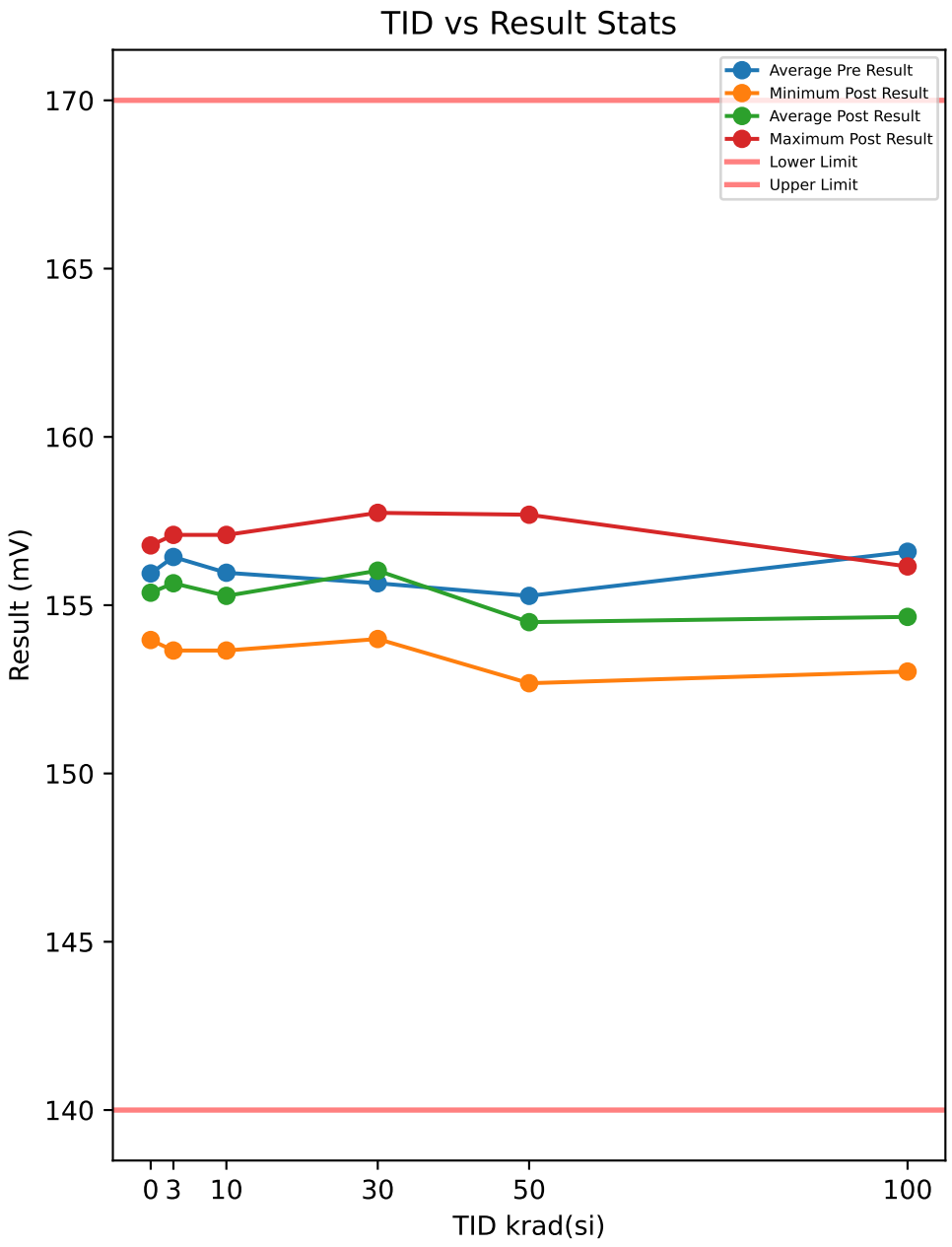
Test Results (Lower Limit = 3.4, Upper Limit = 3.8 (V))

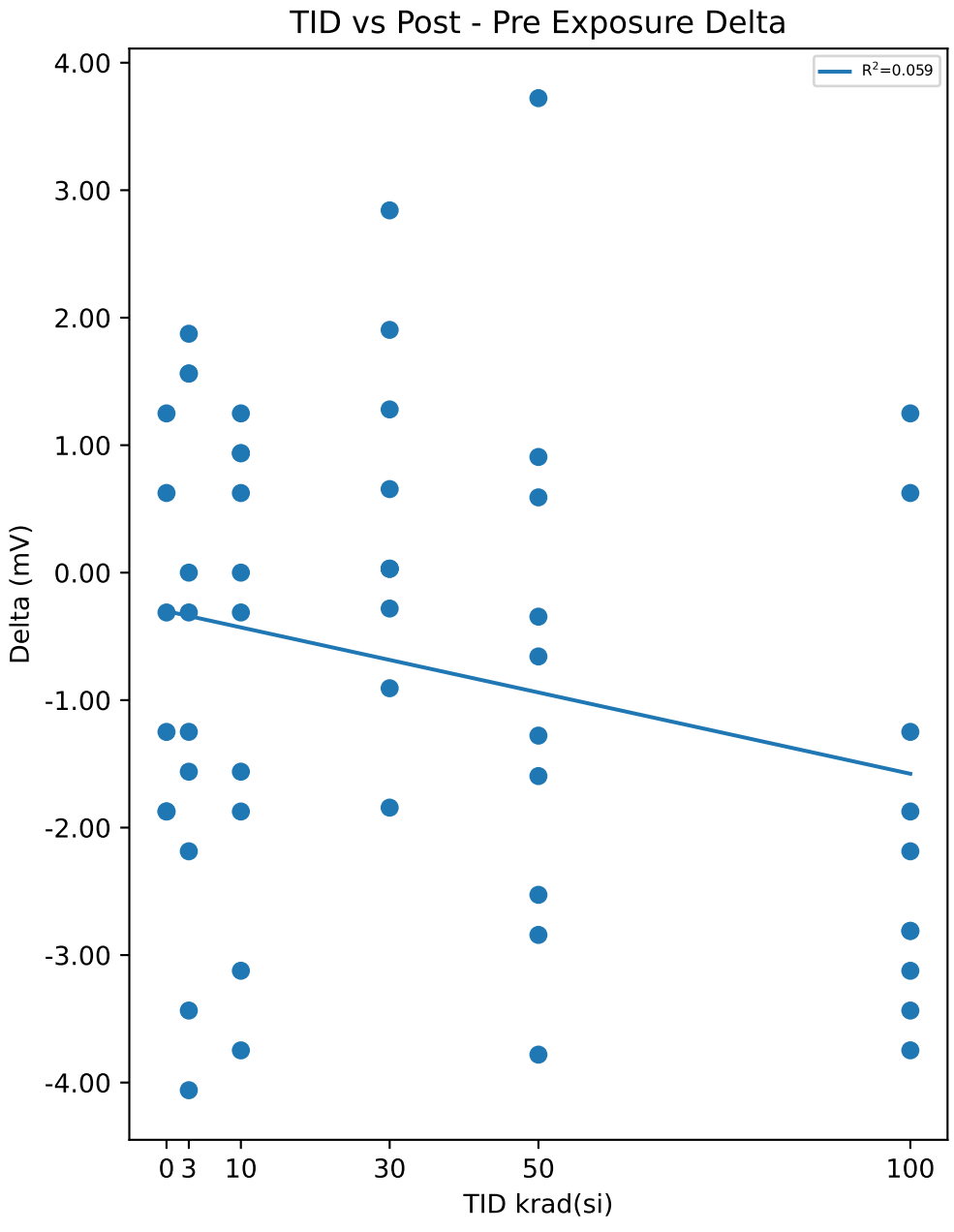
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	LDR Biased	3.6443	3.6435	-0.0008
2	3	LDR Biased	3.6105	3.6089	-0.0016
3	3	LDR Biased	3.6433	3.6401	-0.0032
4	3	LDR Biased	3.6439	3.6407	-0.0032
5	3	LDR Biased	3.6443	3.6457	0.0014
6	10	LDR Biased	3.6408	3.6339	-0.0069
7	10	LDR Biased	3.658	3.6482	-0.0098
8	10	LDR Biased	3.633	3.6276	-0.0054
9	10	LDR Biased	3.6271	3.6232	-0.0039
10	10	LDR Biased	3.6443	3.6376	-0.0067
11	30	LDR Biased	3.6396	3.6258	-0.0138
12	30	LDR Biased	3.6177	3.6002	-0.0175
13	30	LDR Biased	3.6305	3.6249	-0.0056
14	30	LDR Biased	3.6311	3.6218	-0.0093
15	30	LDR Biased	3.6368	3.6268	-0.01
16	50	LDR Biased	3.6236	3.6004	-0.0232
17	50	LDR Biased	3.6455	3.6245	-0.021
18	50	LDR Biased	3.6074	3.5885	-0.0189
19	50	LDR Biased	3.6383	3.6126	-0.0257
20	50	LDR Biased	3.6321	3.6104	-0.0217
21	100	LDR Biased	3.6364	3.6067	-0.0297
22	100	LDR Biased	3.6411	3.5951	-0.046
23	100	LDR Biased	3.6433	3.6114	-0.0319
24	100	LDR Biased	3.6346	3.5948	-0.0398
25	100	LDR Biased	3.6574	3.6186	-0.0388
26	3	LDR Unbiased	3.6502	3.6523	0.0021
27	3	LDR Unbiased	3.633	3.6345	0.0015
28	3	LDR Unbiased	3.6368	3.6351	-0.0017
29	3	LDR Unbiased	3.6418	3.6392	-0.0026
30	3	LDR Unbiased	3.6333	3.6326	-0.0007
31	10	LDR Unbiased	3.624	3.6245	0.0005
32	10	LDR Unbiased	3.6258	3.6257	-0.0001
33	10	LDR Unbiased	3.618	3.6167	-0.0013
34	10	LDR Unbiased	3.6293	3.6289	-0.0004
35	10	LDR Unbiased	3.629	3.6273	-0.0017
36	30	LDR Unbiased	3.6324	3.6327	0.0003
37	30	LDR Unbiased	3.6552	3.6505	-0.0047
38	30	LDR Unbiased	3.6208	3.6224	0.0016
39	30	LDR Unbiased	3.6346	3.6365	0.0019
40	30	LDR Unbiased	3.6524	3.6455	-0.0069
41	50	LDR Unbiased	3.6221	3.6144	-0.0077
42	50	LDR Unbiased	3.6183	3.6173	-0.001
43	50	LDR Unbiased	3.629	3.6285	-0.0005
44	50	LDR Unbiased	3.6327	3.6326	-0.0001
45	50	LDR Unbiased	3.6261	3.6279	0.0018
46	100	LDR Unbiased	3.6352	3.6351	-0.0001
47	100	LDR Unbiased	3.6324	3.6279	-0.0045
48	100	LDR Unbiased	3.6174	3.6104	-0.007
49	100	LDR Unbiased	3.6464	3.6479	0.0015
50	100	LDR Unbiased	3.6421	3.6395	-0.0026
60	0	Correlation	3.6393	3.6379	-0.0014
61	0	Correlation	3.6352	3.6335	-0.0017
62	0	Correlation	3.6405	3.6414	0.0009
63	0	Correlation	3.6511	3.6492	-0.0019
64	0	Correlation	3.6355	3.6335	-0.002
65	0	Correlation	3.6193	3.6207	0.0014

Test Statistics (V)

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	3.6193	3.6368	3.6511	0.010343	3.6207	3.636	3.6492	0.0095246	-0.002	-0.00078333	0.0014	0.0015198
3	3.6105	3.6381	3.6502	0.011106	3.6089	3.6373	3.6523	0.011539	-0.0032	-0.00088	0.0021	0.0019634
10	3.618	3.6329	3.658	0.011718	3.6167	3.6294	3.6482	0.0087321	-0.0098	-0.00357	0.0005	0.0035033
30	3.6177	3.6351	3.6552	0.011918	3.6002	3.6287	3.6505	0.013985	-0.0175	-0.0064	0.0019	0.0065056
50	3.6074	3.6275	3.6455	0.010677	3.5885	3.6157	3.6326	0.01371	-0.0257	-0.0118	0.0018	0.011251
100	3.6174	3.6386	3.6574	0.010409	3.5948	3.6187	3.6479	0.018358	-0.046	-0.01989	0.0015	0.018937

Device Test: 14.6 _THRESHOLD|HYST/VIN/4.5////@UVLO_HYST_VIN





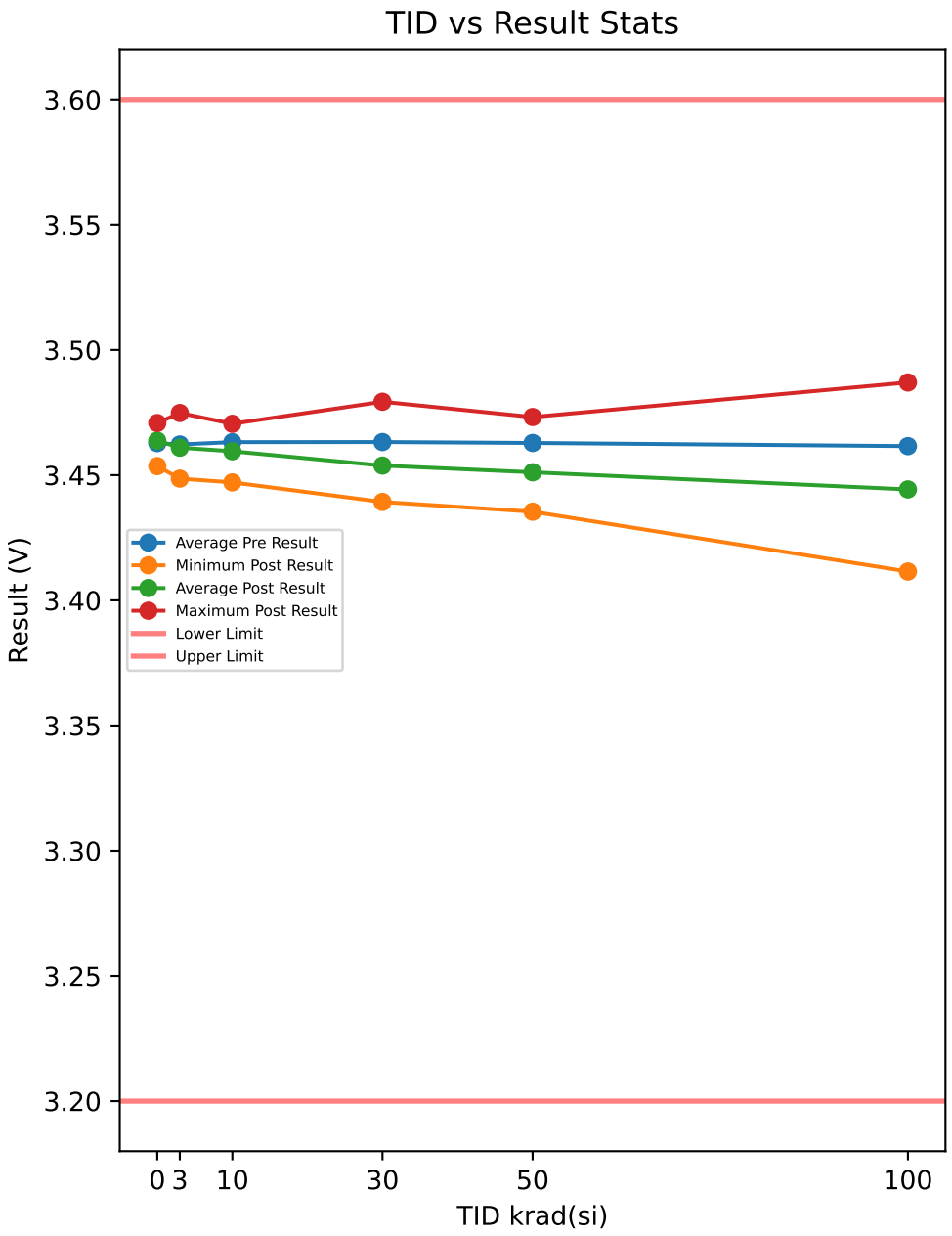
Test Results (Lower Limit = 140.0, Upper Limit = 170.0 (mV))

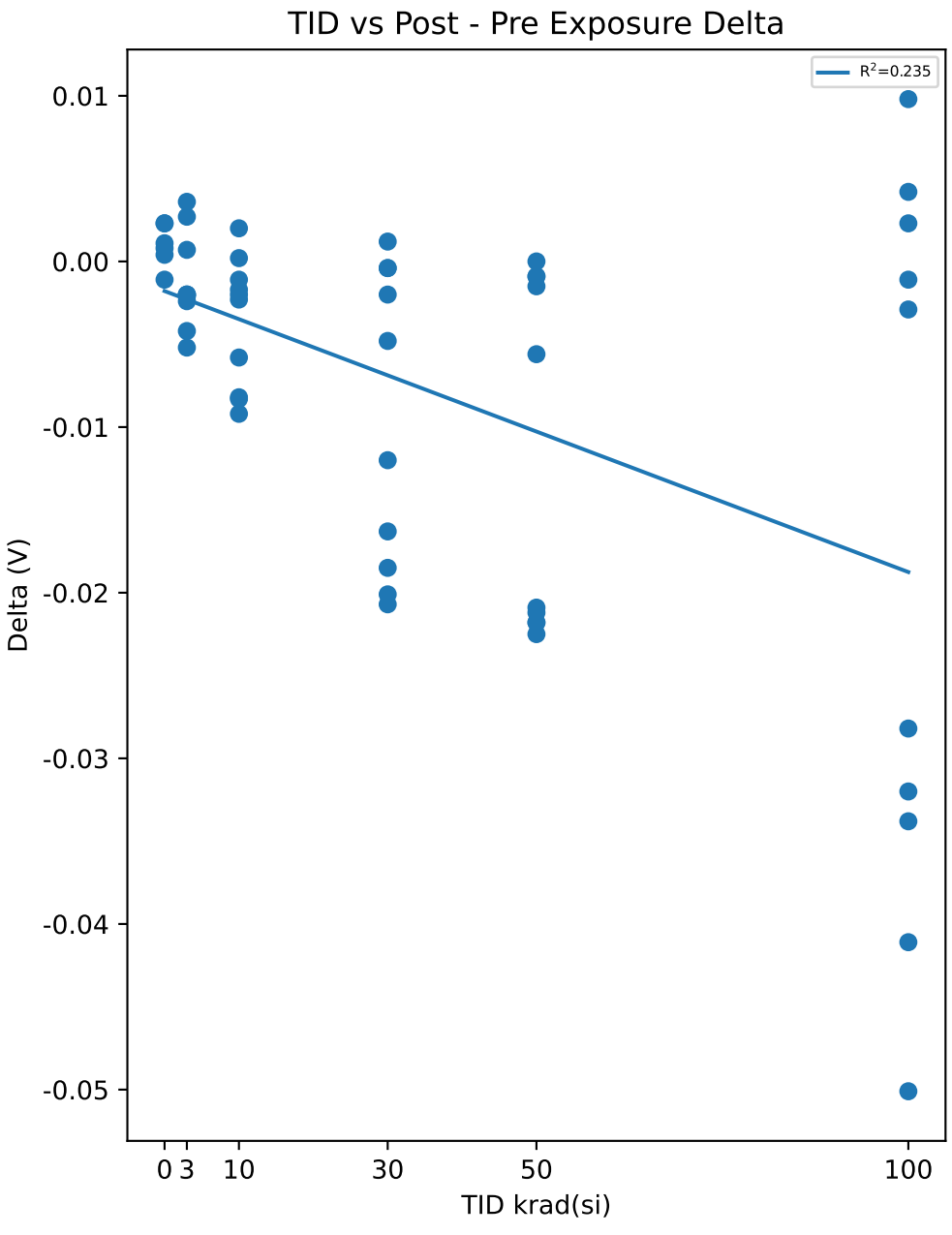
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	LDR Biased	155.53	155.53	0.0002
2	3	LDR Biased	155.21	154.9	-0.3123
3	3	LDR Biased	158.02	154.59	-3.4351
4	3	LDR Biased	158.03	156.46	-1.5614
5	3	LDR Biased	154.28	155.84	1.5621
6	10	LDR Biased	155.53	153.65	-1.8737
7	10	LDR Biased	158.96	155.84	-3.1228
8	10	LDR Biased	156.46	157.09	0.6247
9	10	LDR Biased	155.21	155.21	0.0002
10	10	LDR Biased	158.34	154.59	-3.7474
11	30	LDR Biased	155.53	155.56	0.0308
12	30	LDR Biased	154.9	154	-0.9067
13	30	LDR Biased	153.97	155.87	1.9045
14	30	LDR Biased	154.9	154.93	0.0306
15	30	LDR Biased	154.9	157.74	2.8419
16	50	LDR Biased	157.4	154.56	-2.8417
17	50	LDR Biased	156.78	155.5	-1.2784
18	50	LDR Biased	152.09	152.68	0.5904
19	50	LDR Biased	158.34	155.81	-2.5273
20	50	LDR Biased	154.28	153.62	-0.6573
21	100	LDR Biased	157.71	153.97	-3.747
22	100	LDR Biased	157.09	154.9	-2.1858
23	100	LDR Biased	157.09	153.65	-3.4351
24	100	LDR Biased	156.78	154.9	-1.8737
25	100	LDR Biased	155.84	153.03	-2.8102
26	3	LDR Unbiased	155.21	157.09	1.874
27	3	LDR Unbiased	155.53	157.09	1.5617
28	3	LDR Unbiased	157.71	156.46	-1.2488
29	3	LDR Unbiased	158.96	154.9	-4.06
30	3	LDR Unbiased	155.84	153.65	-2.1858
31	10	LDR Unbiased	155.21	154.9	-0.3123
32	10	LDR Unbiased	154.59	155.53	0.9369
33	10	LDR Unbiased	155.53	153.97	-1.5612
34	10	LDR Unbiased	154.9	156.15	1.2493
35	10	LDR Unbiased	154.9	155.84	0.9372
36	30	LDR Unbiased	155.84	156.49	0.6554
37	30	LDR Unbiased	157.71	157.74	0.031
38	30	LDR Unbiased	154.9	156.18	1.2804
39	30	LDR Unbiased	156.78	156.49	-0.2816
40	30	LDR Unbiased	157.09	155.24	-1.8432
41	50	LDR Unbiased	157.09	153.31	-3.7808
42	50	LDR Unbiased	154.59	152.99	-1.5957
43	50	LDR Unbiased	153.97	157.69	3.7222
44	50	LDR Unbiased	153.65	153.31	-0.3453
45	50	LDR Unbiased	154.59	155.5	0.9074
46	100	LDR Unbiased	157.71	154.9	-2.8105
47	100	LDR Unbiased	154.28	154.9	0.6247
48	100	LDR Unbiased	156.15	154.9	-1.2491
49	100	LDR Unbiased	154.9	156.15	1.2493
50	100	LDR Unbiased	158.34	155.21	-3.1231
60	0	Correlation	157.4	156.15	-1.2493
61	0	Correlation	154.9	154.59	-0.3125
62	0	Correlation	155.21	155.84	0.6249
63	0	Correlation	155.84	153.97	-1.8732
64	0	Correlation	156.78	154.9	-1.8733
65	0	Correlation	155.53	156.78	1.2491

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	154.9	155.94	157.4	0.96083	153.97	155.37	156.78	1.059	-1.8733	-0.57238	1.2491	1.3162
3	154.28	156.43	158.96	1.5887	153.65	155.65	157.09	1.1423	-4.06	-0.78054	1.874	2.0938
10	154.59	155.96	158.96	1.5099	153.65	155.28	157.09	1.039	-3.7474	-0.68691	1.2493	1.7898
30	153.97	155.65	157.71	1.1888	154	156.03	157.74	1.1803	-1.8432	0.37431	2.8419	1.3611
50	152.09	155.28	158.34	1.9959	152.68	154.5	157.69	1.6008	-3.7808	-0.78065	3.7222	2.1711
100	154.28	156.59	158.34	1.2935	153.03	154.65	156.15	0.88081	-3.747	-1.9361	1.2493	1.6901

Device Test: 14.7 _THRESHOLD|RISE/PVIN/5////@UVLO_RISE_PVIN





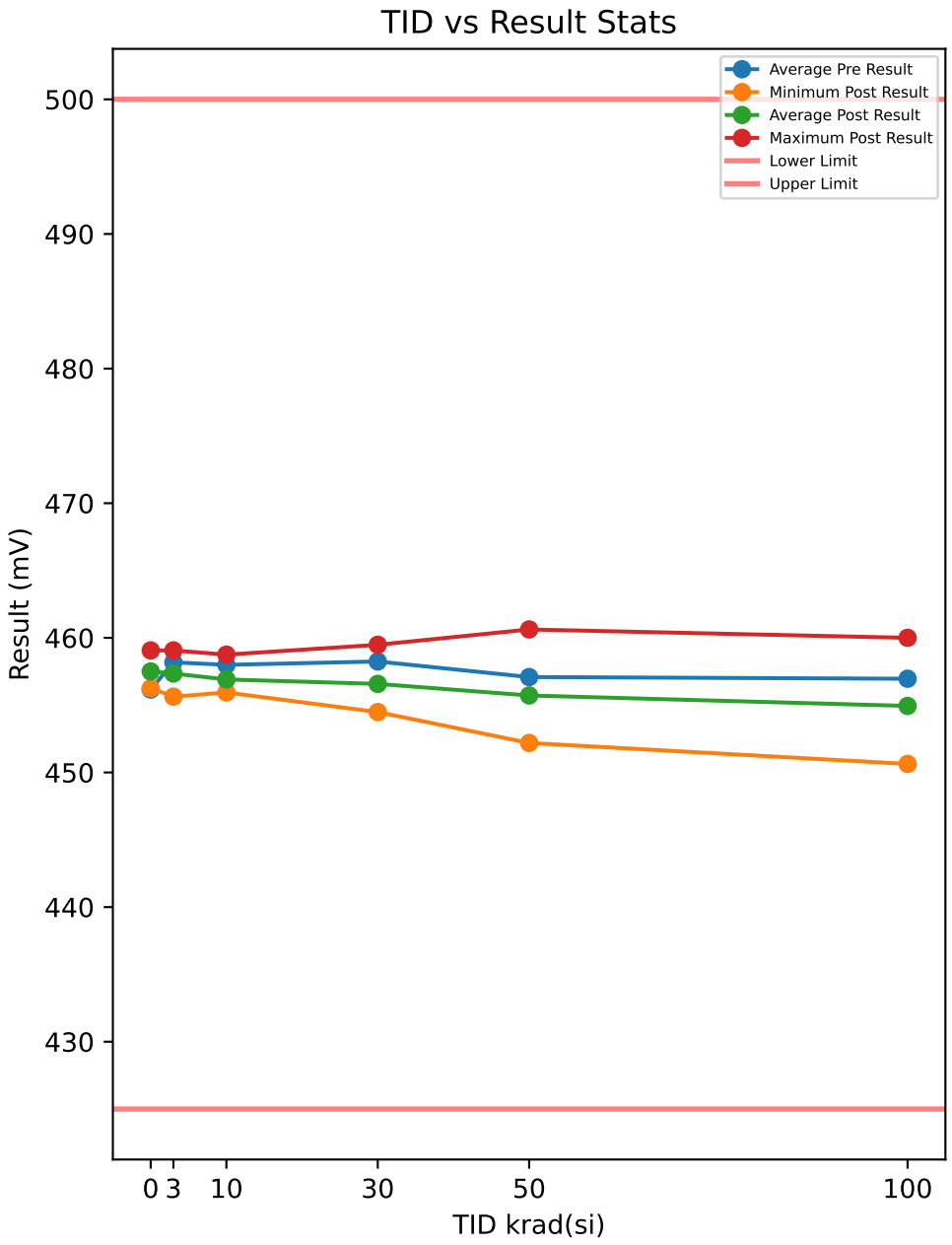
Test Results (Lower Limit = 3.2, Upper Limit = 3.6 (V))

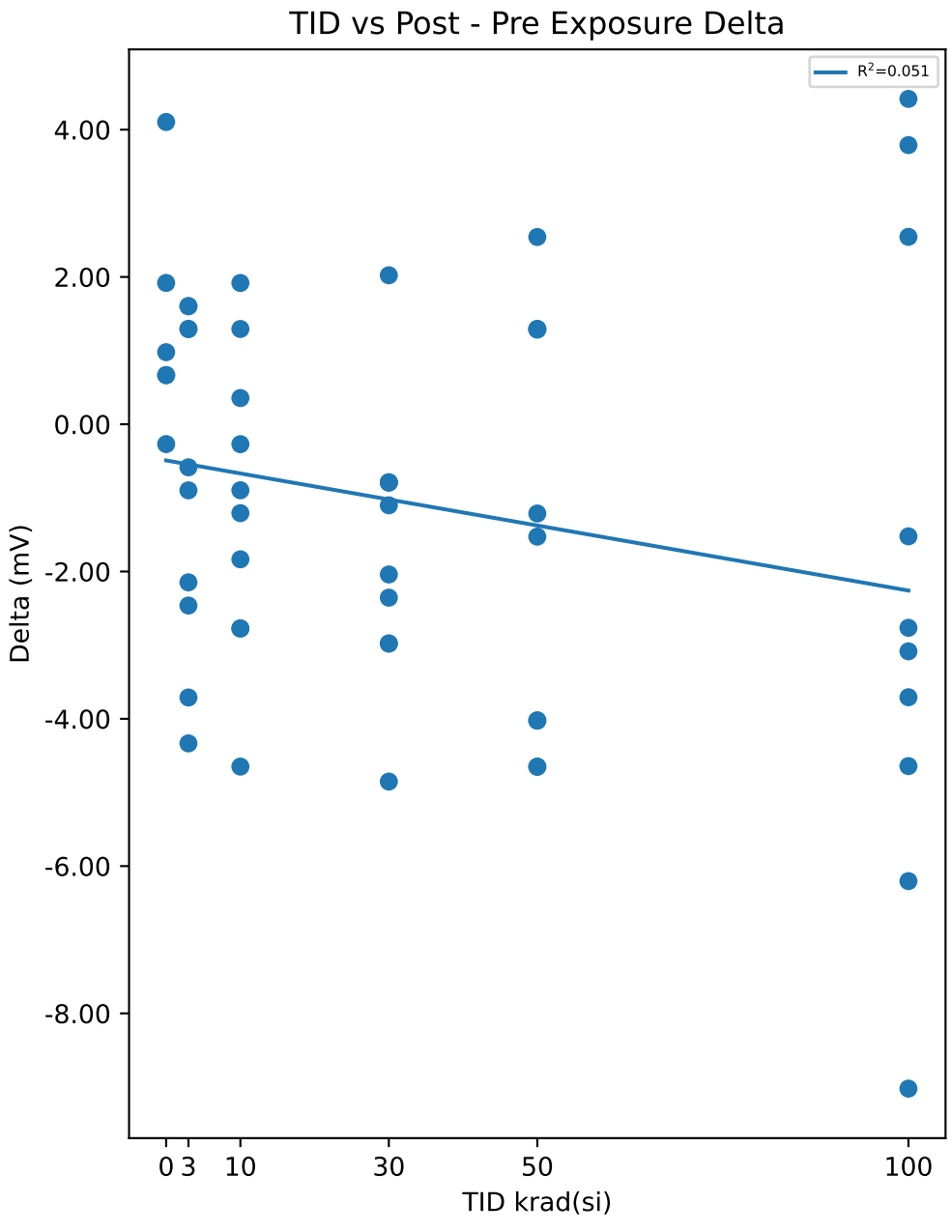
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	LDR Biased	3.4622	3.4602	-0.002
2	3	LDR Biased	3.4575	3.4533	-0.0042
3	3	LDR Biased	3.456	3.4539	-0.0021
4	3	LDR Biased	3.4772	3.4748	-0.0024
5	3	LDR Biased	3.466	3.4608	-0.0052
6	10	LDR Biased	3.47	3.4608	-0.0092
7	10	LDR Biased	3.461	3.4552	-0.0058
8	10	LDR Biased	3.4681	3.4661	-0.002
9	10	LDR Biased	3.4553	3.4471	-0.0082
10	10	LDR Biased	3.4788	3.4705	-0.0083
11	30	LDR Biased	3.4569	3.4449	-0.012
12	30	LDR Biased	3.4616	3.4409	-0.0207
13	30	LDR Biased	3.4572	3.4409	-0.0163
14	30	LDR Biased	3.4578	3.4393	-0.0185
15	30	LDR Biased	3.4672	3.4471	-0.0201
16	50	LDR Biased	3.4572	3.4354	-0.0218
17	50	LDR Biased	3.475	3.4541	-0.0209
18	50	LDR Biased	3.4616	3.4404	-0.0212
19	50	LDR Biased	3.4691	3.4473	-0.0218
20	50	LDR Biased	3.471	3.4485	-0.0225
21	100	LDR Biased	3.4397	3.4115	-0.0282
22	100	LDR Biased	3.4669	3.4349	-0.032
23	100	LDR Biased	3.4453	3.4115	-0.0338
24	100	LDR Biased	3.4772	3.4361	-0.0411
25	100	LDR Biased	3.4769	3.4268	-0.0501
26	3	LDR Unbiased	3.4563	3.457	0.0007
27	3	LDR Unbiased	3.4619	3.4655	0.0036
28	3	LDR Unbiased	3.4653	3.468	0.0027
29	3	LDR Unbiased	3.4506	3.4486	-0.002
30	3	LDR Unbiased	3.4694	3.4674	-0.002
31	10	LDR Unbiased	3.4513	3.4533	0.002
32	10	LDR Unbiased	3.4653	3.463	-0.0023
33	10	LDR Unbiased	3.4553	3.4555	0.0002
34	10	LDR Unbiased	3.4666	3.4649	-0.0017
35	10	LDR Unbiased	3.46	3.4589	-0.0011
36	30	LDR Unbiased	3.456	3.454	-0.002
37	30	LDR Unbiased	3.4666	3.4662	-0.0004
38	30	LDR Unbiased	3.4641	3.4637	-0.0004
39	30	LDR Unbiased	3.4606	3.4618	0.0012
40	30	LDR Unbiased	3.4841	3.4793	-0.0048
41	50	LDR Unbiased	3.4519	3.4519	0
42	50	LDR Unbiased	3.4419	3.441	-0.0009
43	50	LDR Unbiased	3.4738	3.4729	-0.0009
44	50	LDR Unbiased	3.4481	3.4466	-0.0015
45	50	LDR Unbiased	3.4788	3.4732	-0.0056
46	100	LDR Unbiased	3.4619	3.4642	0.0023
47	100	LDR Unbiased	3.4585	3.4574	-0.0011
48	100	LDR Unbiased	3.4494	3.4536	0.0042
49	100	LDR Unbiased	3.4772	3.487	0.0098
50	100	LDR Unbiased	3.4628	3.4599	-0.0029
60	0	Correlation	3.4631	3.4642	0.0011
61	0	Correlation	3.4713	3.4702	-0.0011
62	0	Correlation	3.4513	3.4536	0.0023
63	0	Correlation	3.47	3.4708	0.0008
64	0	Correlation	3.4544	3.4567	0.0023
65	0	Correlation	3.4666	3.467	0.0004

Test Statistics (V)

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	3.4513	3.4628	3.4713	0.0082635	3.4536	3.4637	3.4708	0.0071386	-0.0011	0.00096667	0.0023	0.0012801
3	3.4506	3.4622	3.4772	0.0076802	3.4486	3.4609	3.4748	0.008033	-0.0052	-0.00129	0.0036	0.0028077
10	3.4513	3.4632	3.4788	0.00824	3.4471	3.4595	3.4705	0.0069498	-0.0092	-0.00364	0.002	0.0039348
30	3.456	3.4632	3.4841	0.0083745	3.4393	3.4538	3.4793	0.013471	-0.0207	-0.0094	0.0012	0.0090039
50	3.4419	3.4628	3.4788	0.012637	3.4354	3.4511	3.4732	0.012814	-0.0225	-0.01171	0	0.010578
100	3.4397	3.4616	3.4772	0.013557	3.4115	3.4443	3.487	0.024345	-0.0501	-0.01729	0.0098	0.021858

Device Test: 14.9 _THRESHOLD|HYST/PVIN/5////@UVLO_HYST_PVIN





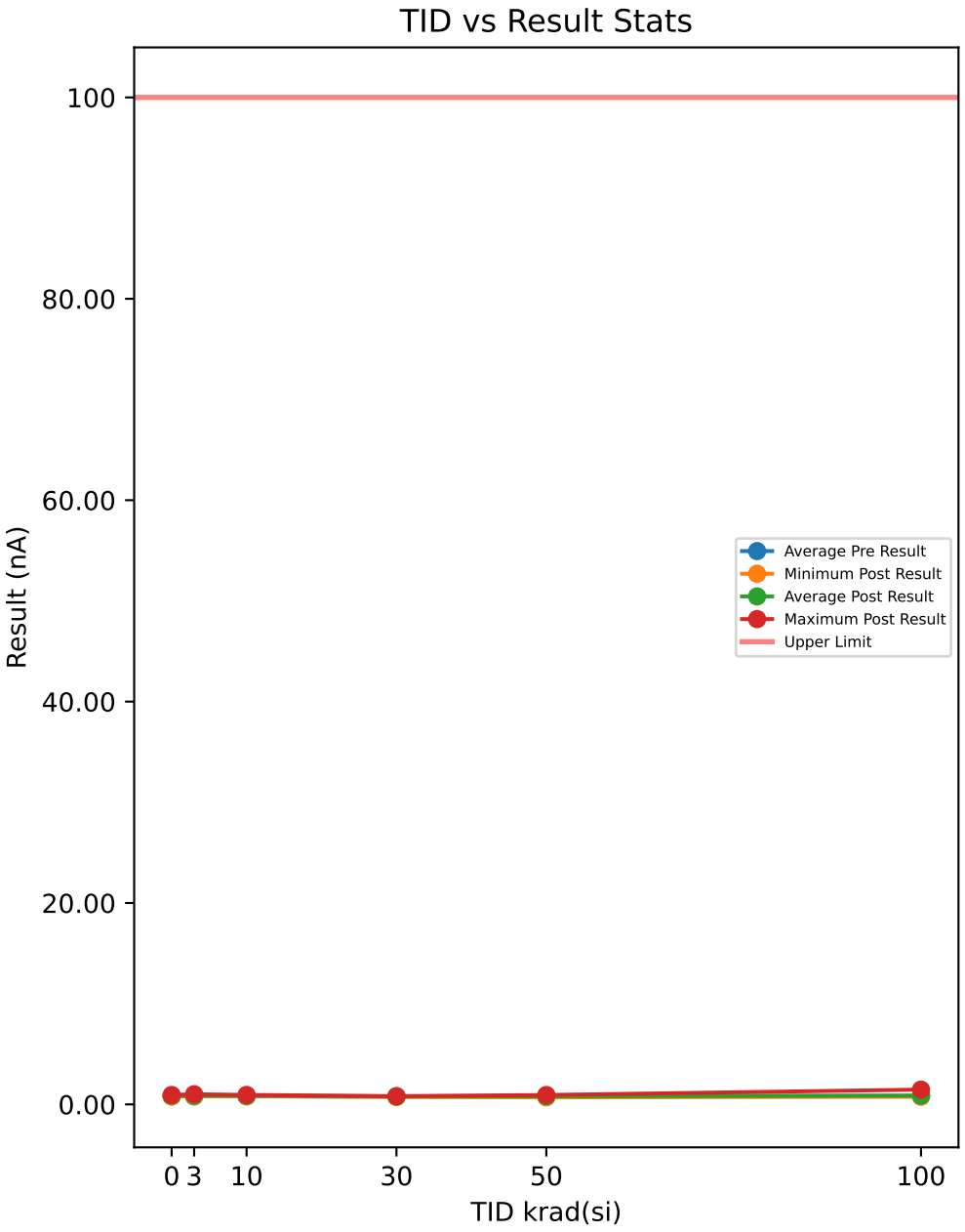
Test Results (Lower Limit = 425.0, Upper Limit = 500.0 (mV))

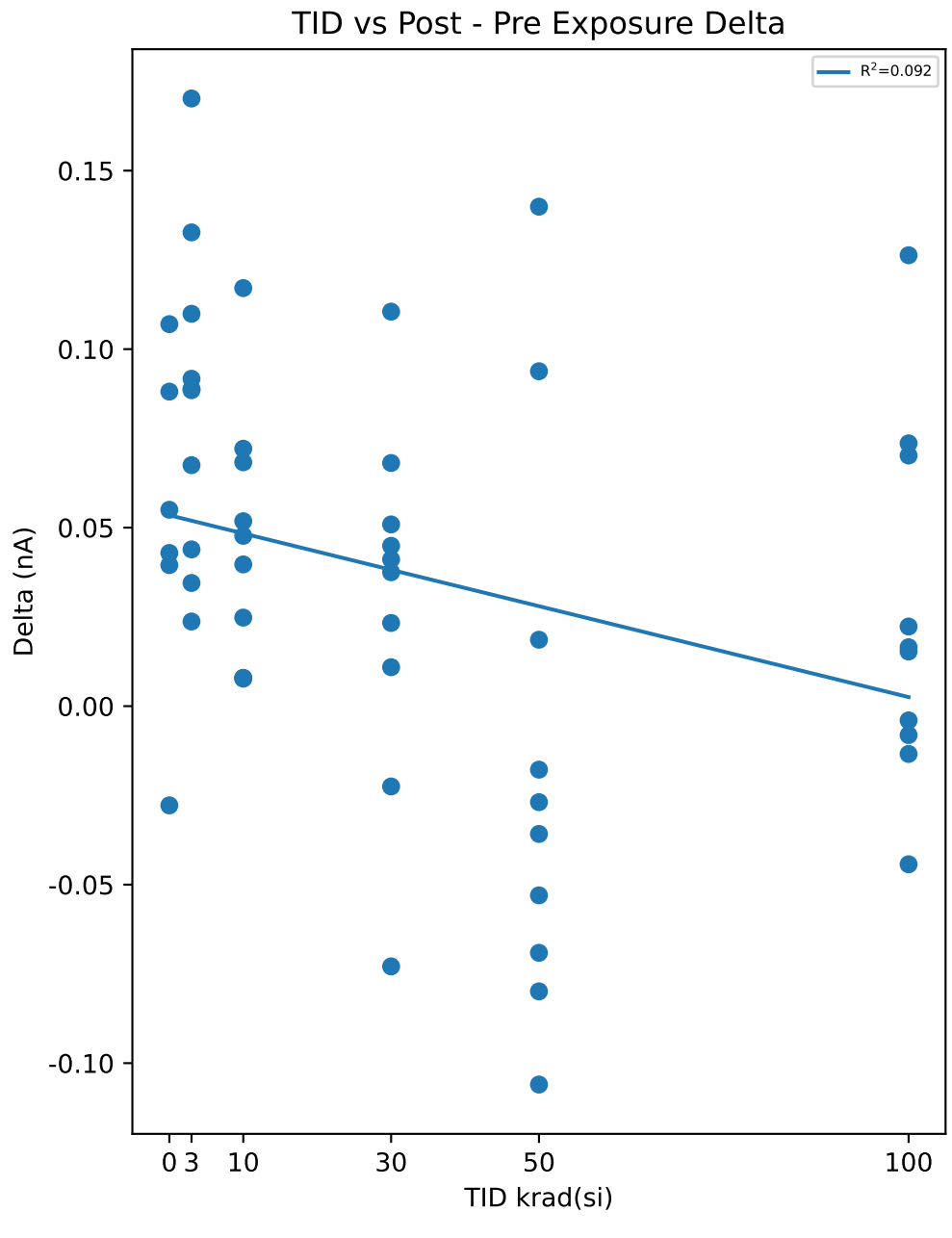
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	LDR Biased	459.96	455.63	-4.3338
2	3	LDR Biased	459.34	457.19	-2.1472
3	3	LDR Biased	454.65	455.94	1.2944
4	3	LDR Biased	456.52	458.13	1.6039
5	3	LDR Biased	458.71	457.82	-0.8977
6	10	LDR Biased	461.84	457.19	-4.6487
7	10	LDR Biased	457.15	455.94	-1.2073
8	10	LDR Biased	458.4	457.5	-0.8966
9	10	LDR Biased	458.71	456.88	-1.8342
10	10	LDR Biased	461.53	458.75	-2.7745
11	30	LDR Biased	456.52	455.74	-0.7887
12	30	LDR Biased	457.77	454.8	-2.9764
13	30	LDR Biased	456.84	456.05	-0.7891
14	30	LDR Biased	459.34	454.49	-4.8523
15	30	LDR Biased	456.52	455.42	-1.101
16	50	LDR Biased	452.46	453.75	1.2935
17	50	LDR Biased	460.28	456.25	-4.0255
18	50	LDR Biased	456.21	452.19	-4.0205
19	50	LDR Biased	460.28	455.63	-4.6504
20	50	LDR Biased	460.28	455.63	-4.6502
21	100	LDR Biased	456.84	452.19	-4.642
22	100	LDR Biased	458.4	454.69	-3.7074
23	100	LDR Biased	453.71	450.95	-2.7644
24	100	LDR Biased	462.47	453.44	-9.0215
25	100	LDR Biased	456.84	450.63	-6.2041
26	3	LDR Unbiased	455.27	456.57	1.2924
27	3	LDR Unbiased	457.46	459.06	1.6024
28	3	LDR Unbiased	458.4	457.82	-0.5849
29	3	LDR Unbiased	460.59	456.88	-3.7105
30	3	LDR Unbiased	460.9	458.44	-2.4619
31	10	LDR Unbiased	456.21	456.57	0.3555
32	10	LDR Unbiased	459.34	456.57	-2.7721
33	10	LDR Unbiased	454.65	456.57	1.9183
34	10	LDR Unbiased	457.15	456.88	-0.2706
35	10	LDR Unbiased	454.96	456.25	1.2934
36	30	LDR Unbiased	458.4	456.36	-2.0399
37	30	LDR Unbiased	460.9	458.55	-2.3549
38	30	LDR Unbiased	456.21	458.23	2.0227
39	30	LDR Unbiased	459.65	456.67	-2.9791
40	30	LDR Unbiased	460.28	459.48	-0.7927
41	50	LDR Unbiased	458.09	456.88	-1.2123
42	50	LDR Unbiased	452.15	454.69	2.5427
43	50	LDR Unbiased	459.34	457.81	-1.5261
44	50	LDR Unbiased	452.46	453.75	1.2932
45	50	LDR Unbiased	459.34	460.62	1.2848
46	100	LDR Unbiased	459.03	457.5	-1.5223
47	100	LDR Unbiased	459.03	455.94	-3.0837
48	100	LDR Unbiased	453.71	458.13	4.4179
49	100	LDR Unbiased	456.21	460	3.7903
50	100	LDR Unbiased	453.4	455.94	2.5444
60	0	Correlation	454.65	456.57	1.9183
61	0	Correlation	456.84	457.5	0.6664
62	0	Correlation	454.96	459.06	4.1039
63	0	Correlation	456.52	457.19	0.6669
64	0	Correlation	456.52	456.25	-0.2699
65	0	Correlation	457.46	458.44	0.9784

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	454.65	456.16	457.46	1.1084	456.25	457.5	459.06	1.0819	-0.2699	1.344	4.1039	1.5233
3	454.65	458.18	460.9	2.1666	455.63	457.35	459.06	1.104	-4.3338	-0.83429	1.6039	2.2582
10	454.65	457.99	461.84	2.4667	455.94	456.91	458.75	0.78522	-4.6487	-1.0837	1.9183	2.0118
30	456.21	458.24	460.9	1.7206	454.49	456.58	459.48	1.6663	-4.8523	-1.6651	2.0227	1.8389
50	452.15	457.09	460.28	3.4906	452.19	455.72	460.62	2.3877	-4.6504	-1.3671	2.5427	2.8322
100	453.4	456.96	462.47	2.893	450.63	454.94	460	3.1395	-9.0215	-2.0193	4.4179	4.3998

Device Test: 15.1 _LEAK|UNPOWERED/EN/0////@EN_LKG_CURR





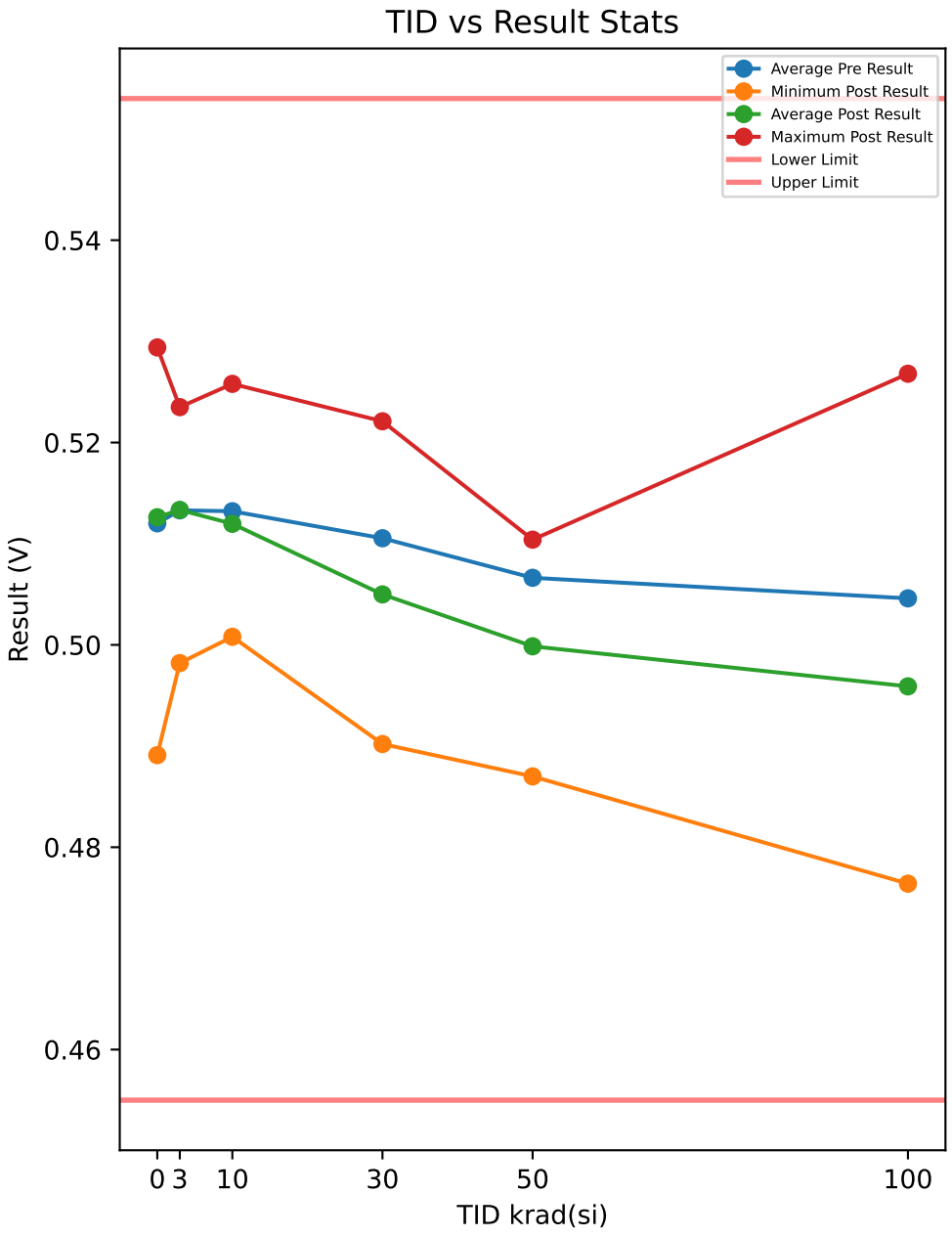
Test Results (Upper Limit = 100.0 (nA))

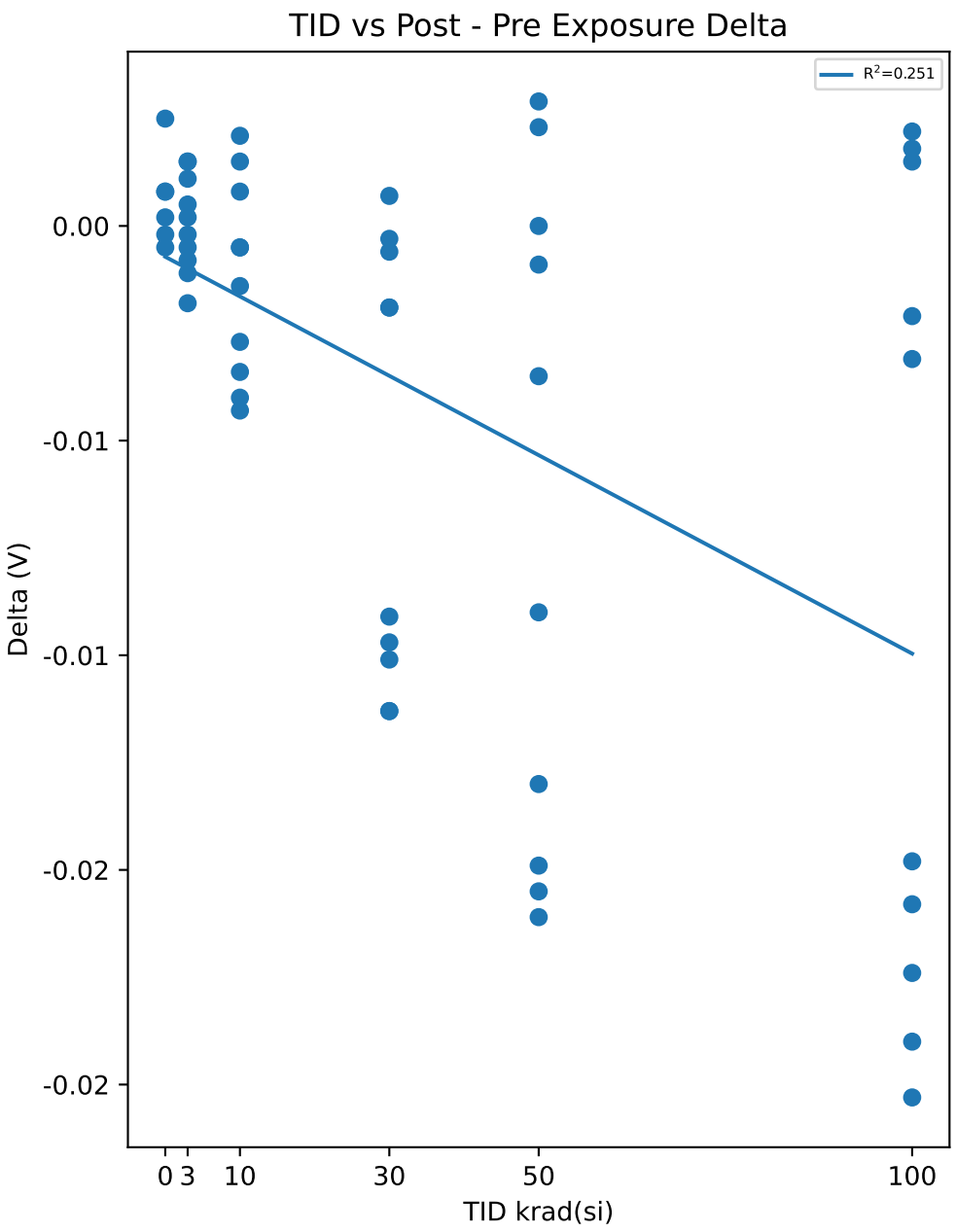
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	LDR Biased	0.7829	0.8504	0.0675
2	3	LDR Biased	0.8376	1.0078	0.1702
3	3	LDR Biased	0.7999	0.8236	0.0237
4	3	LDR Biased	0.9254	0.9693	0.0439
5	3	LDR Biased	0.7878	0.8763	0.0885
6	10	LDR Biased	0.8006	0.8727	0.0721
7	10	LDR Biased	0.8064	0.8461	0.0397
8	10	LDR Biased	0.845	0.8529	0.0079
9	10	LDR Biased	0.8125	0.8602	0.0477
10	10	LDR Biased	0.7975	0.8052	0.0077
11	30	LDR Biased	0.7538	0.7949	0.0411
12	30	LDR Biased	0.8197	0.7972	-0.0225
13	30	LDR Biased	0.818	0.7451	-0.0729
14	30	LDR Biased	0.7079	0.8184	0.1105
15	30	LDR Biased	0.7626	0.8075	0.0449
16	50	LDR Biased	0.7386	0.7117	-0.0269
17	50	LDR Biased	0.8316	0.9254	0.0938
18	50	LDR Biased	0.901	0.8211	-0.0799
19	50	LDR Biased	0.8962	0.8271	-0.0691
20	50	LDR Biased	0.8278	0.81	-0.0178
21	100	LDR Biased	1.3413	1.4676	0.1263
22	100	LDR Biased	0.8664	0.8817	0.0153
23	100	LDR Biased	0.818	0.8882	0.0702
24	100	LDR Biased	0.7038	0.7774	0.0736
25	100	LDR Biased	0.814	0.7697	-0.0443
26	3	LDR Unbiased	0.7257	0.8146	0.0889
27	3	LDR Unbiased	0.7826	0.8171	0.0345
28	3	LDR Unbiased	0.7923	0.884	0.0917
29	3	LDR Unbiased	0.8066	0.9393	0.1327
30	3	LDR Unbiased	0.7334	0.8433	0.1099
31	10	LDR Unbiased	0.7663	0.8346	0.0683
32	10	LDR Unbiased	0.8222	0.9393	0.1171
33	10	LDR Unbiased	0.8083	0.8601	0.0518
34	10	LDR Unbiased	0.812	0.8368	0.0248
35	10	LDR Unbiased	0.8651	0.873	0.0079
36	30	LDR Unbiased	0.7409	0.809	0.0681
37	30	LDR Unbiased	0.7383	0.7892	0.0509
38	30	LDR Unbiased	0.7692	0.8067	0.0375
39	30	LDR Unbiased	0.7636	0.7745	0.0109
40	30	LDR Unbiased	0.7814	0.8047	0.0233
41	50	LDR Unbiased	0.8305	0.7947	-0.0358
42	50	LDR Unbiased	0.7916	0.9315	0.1399
43	50	LDR Unbiased	0.806	0.7	-0.106
44	50	LDR Unbiased	0.7438	0.7624	0.0186
45	50	LDR Unbiased	0.8251	0.7721	-0.053
46	100	LDR Unbiased	0.7614	0.7779	0.0165
47	100	LDR Unbiased	0.787	0.8093	0.0223
48	100	LDR Unbiased	0.788	0.7799	-0.0081
49	100	LDR Unbiased	0.7632	0.7592	-0.004
50	100	LDR Unbiased	0.807	0.7936	-0.0134
60	0	Correlation	0.8115	0.8996	0.0881
61	0	Correlation	0.8275	0.9345	0.107
62	0	Correlation	0.8806	0.9356	0.055
63	0	Correlation	0.8063	0.7785	-0.0278
64	0	Correlation	0.7746	0.8141	0.0395
65	0	Correlation	0.7903	0.8332	0.0429

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	0.7746	0.81513	0.8806	0.03685	0.7785	0.86592	0.9356	0.06647	-0.0278	0.050783	0.107	0.046766
3	0.7257	0.79742	0.9254	0.055653	0.8146	0.88257	1.0078	0.067844	0.0237	0.08515	0.1702	0.045375
10	0.7663	0.81359	0.8651	0.026794	0.8052	0.85809	0.9393	0.03498	0.0077	0.0445	0.1171	0.03513
30	0.7079	0.76554	0.8197	0.034596	0.7451	0.79472	0.8184	0.021288	-0.0729	0.02918	0.1105	0.05002
50	0.7386	0.81922	0.901	0.053881	0.7	0.8056	0.9315	0.07746	-0.106	-0.01362	0.1399	0.077737
100	0.7038	0.84501	1.3413	0.17955	0.7592	0.87045	1.4676	0.21464	-0.0443	0.02544	0.1263	0.05061

Device Test: 15.10 _THRESHOLD|FALL/EN/12////@EN_VTH_FALLING





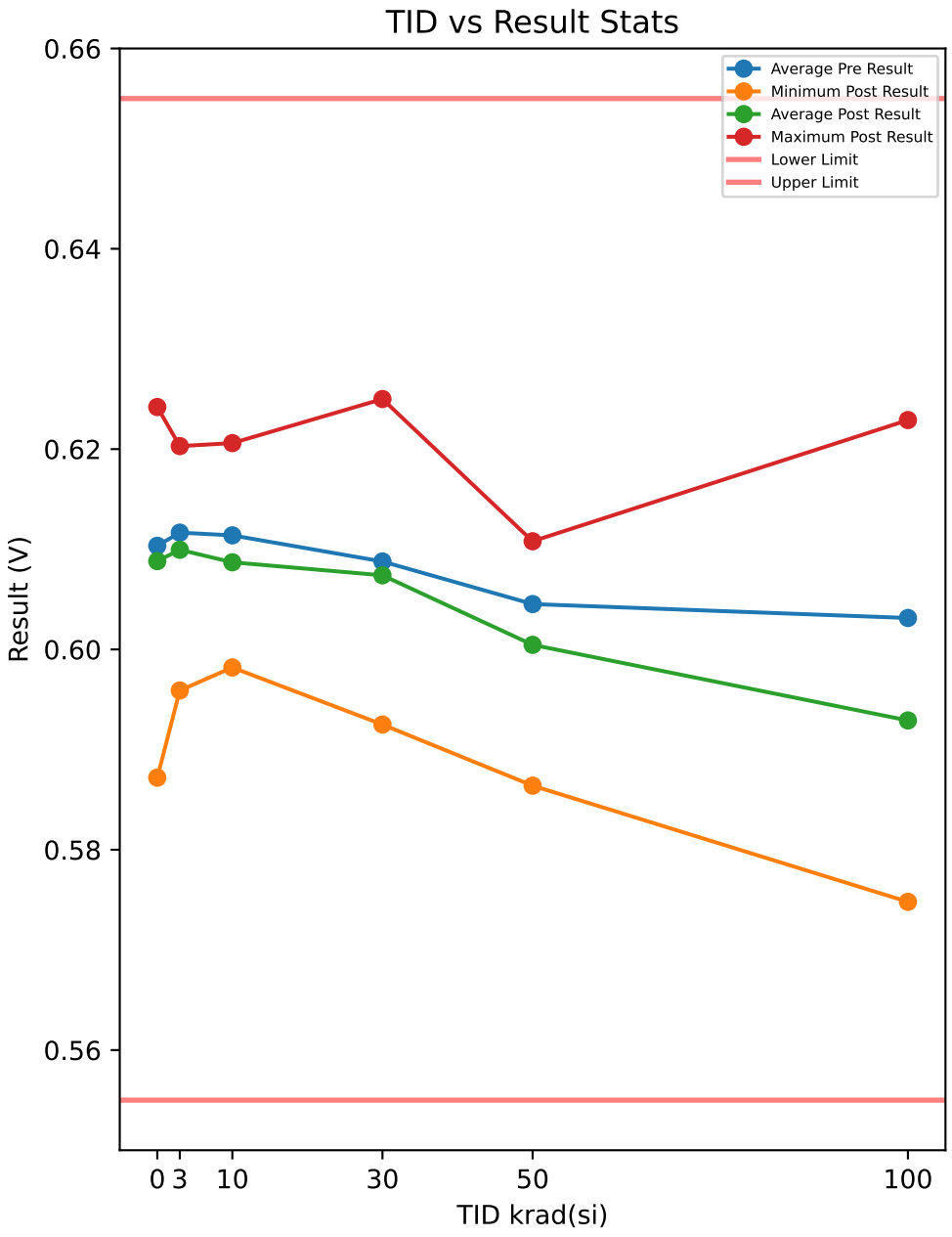
Test Results (Lower Limit = 0.455, Upper Limit = 0.554 (V))

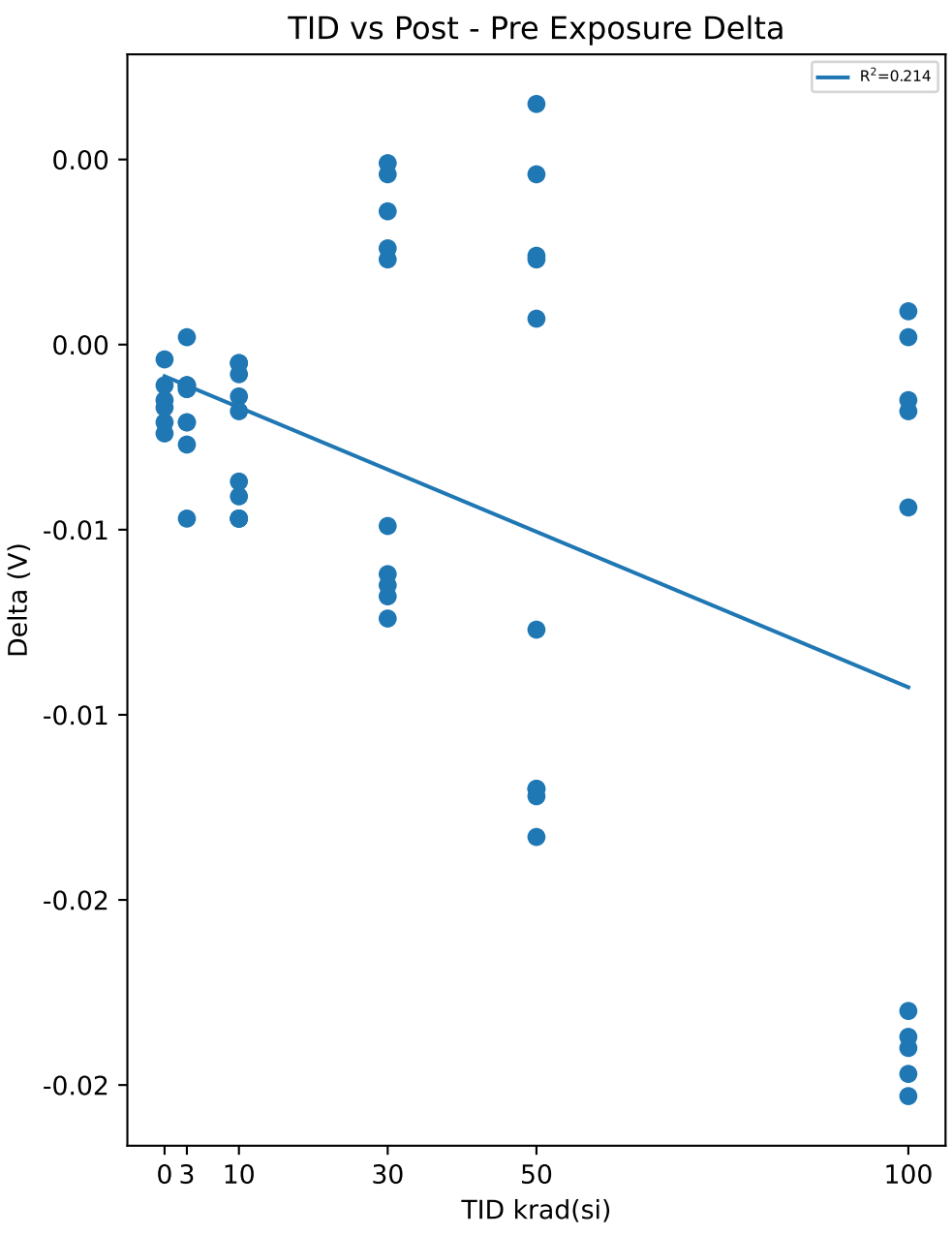
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	LDR Biased	0.5126	0.5108	-0.0018
2	3	LDR Biased	0.5019	0.5014	-0.0005
3	3	LDR Biased	0.5165	0.518	0.0015
4	3	LDR Biased	0.522	0.5212	-0.0008
5	3	LDR Biased	0.5165	0.5167	0.0002
6	10	LDR Biased	0.5207	0.5164	-0.0043
7	10	LDR Biased	0.5194	0.5167	-0.0027
8	10	LDR Biased	0.5039	0.5034	-0.0005
9	10	LDR Biased	0.5042	0.5008	-0.0034
10	10	LDR Biased	0.5058	0.5018	-0.004
11	30	LDR Biased	0.5149	0.5058	-0.0091
12	30	LDR Biased	0.5087	0.4974	-0.0113
13	30	LDR Biased	0.5003	0.4902	-0.0101
14	30	LDR Biased	0.5165	0.5068	-0.0097
15	30	LDR Biased	0.5084	0.4971	-0.0113
16	50	LDR Biased	0.5009	0.4919	-0.009
17	50	LDR Biased	0.5169	0.502	-0.0149
18	50	LDR Biased	0.5	0.487	-0.013
19	50	LDR Biased	0.5048	0.4887	-0.0161
20	50	LDR Biased	0.5149	0.4994	-0.0155
21	100	LDR Biased	0.5042	0.4884	-0.0158
22	100	LDR Biased	0.4967	0.4764	-0.0203
23	100	LDR Biased	0.5042	0.4868	-0.0174
24	100	LDR Biased	0.5042	0.4894	-0.0148
25	100	LDR Biased	0.5136	0.4946	-0.019
26	3	LDR Unbiased	0.5224	0.5235	0.0011
27	3	LDR Unbiased	0.4993	0.4982	-0.0011
28	3	LDR Unbiased	0.5146	0.5151	0.0005
29	3	LDR Unbiased	0.51	0.5115	0.0015
30	3	LDR Unbiased	0.5172	0.517	-0.0002
31	10	LDR Unbiased	0.5097	0.5118	0.0021
32	10	LDR Unbiased	0.5243	0.5258	0.0015
33	10	LDR Unbiased	0.5217	0.5203	-0.0014
34	10	LDR Unbiased	0.5107	0.5115	0.0008
35	10	LDR Unbiased	0.5117	0.5112	-0.0005
36	30	LDR Unbiased	0.5165	0.5172	0.0007
37	30	LDR Unbiased	0.5227	0.5221	-0.0006
38	30	LDR Unbiased	0.4938	0.4935	-0.0003
39	30	LDR Unbiased	0.5045	0.5026	-0.0019
40	30	LDR Unbiased	0.5191	0.5172	-0.0019
41	50	LDR Unbiased	0.5045	0.5036	-0.0009
42	50	LDR Unbiased	0.5104	0.5104	0
43	50	LDR Unbiased	0.5068	0.5091	0.0023
44	50	LDR Unbiased	0.4987	0.5016	0.0029
45	50	LDR Unbiased	0.5084	0.5049	-0.0035
46	100	LDR Unbiased	0.4954	0.4923	-0.0031
47	100	LDR Unbiased	0.5003	0.5018	0.0015
48	100	LDR Unbiased	0.4993	0.5011	0.0018
49	100	LDR Unbiased	0.5246	0.5268	0.0022
50	100	LDR Unbiased	0.5035	0.5014	-0.0021
60	0	Correlation	0.5188	0.5183	-0.0005
61	0	Correlation	0.5084	0.5082	-0.0002
62	0	Correlation	0.5204	0.5212	0.0008
63	0	Correlation	0.5087	0.5095	0.0008
64	0	Correlation	0.4889	0.4891	0.0002
65	0	Correlation	0.5269	0.5294	0.0025

Test Statistics (V)

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	0.4889	0.51202	0.5269	0.013389	0.4891	0.51262	0.5294	0.013928	-0.0005	0.0006	0.0025	0.0010677
3	0.4993	0.5133	0.5224	0.0076972	0.4982	0.51334	0.5235	0.0081386	-0.0018	4e-05	0.0015	0.0011237
10	0.5039	0.51321	0.5243	0.0076967	0.5008	0.51197	0.5258	0.0081999	-0.0043	-0.00124	0.0021	0.0023028
30	0.4938	0.51054	0.5227	0.0090721	0.4902	0.50499	0.5221	0.01091	-0.0113	-0.00555	0.0007	0.0051036
50	0.4987	0.50663	0.5169	0.0061355	0.487	0.49986	0.5104	0.0081443	-0.0161	-0.00677	0.0029	0.0077453
100	0.4954	0.5046	0.5246	0.0086687	0.4764	0.4959	0.5268	0.013429	-0.0203	-0.0087	0.0022	0.0094984

Device Test: 15.12 _THRESHOLD|RISE/EN/14////@EN_VTH_RISING





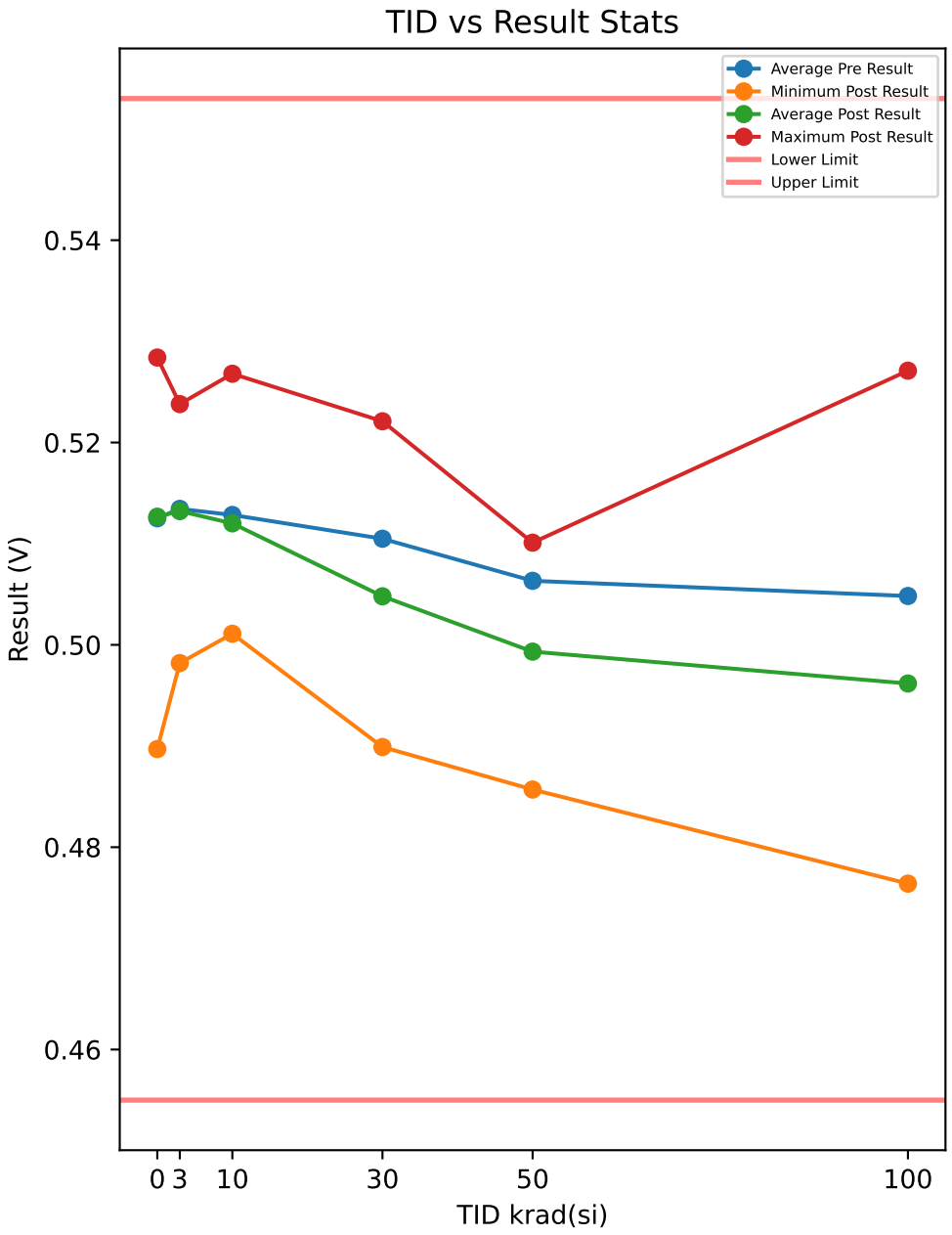
Test Results (Lower Limit = 0.555, Upper Limit = 0.655 (V))

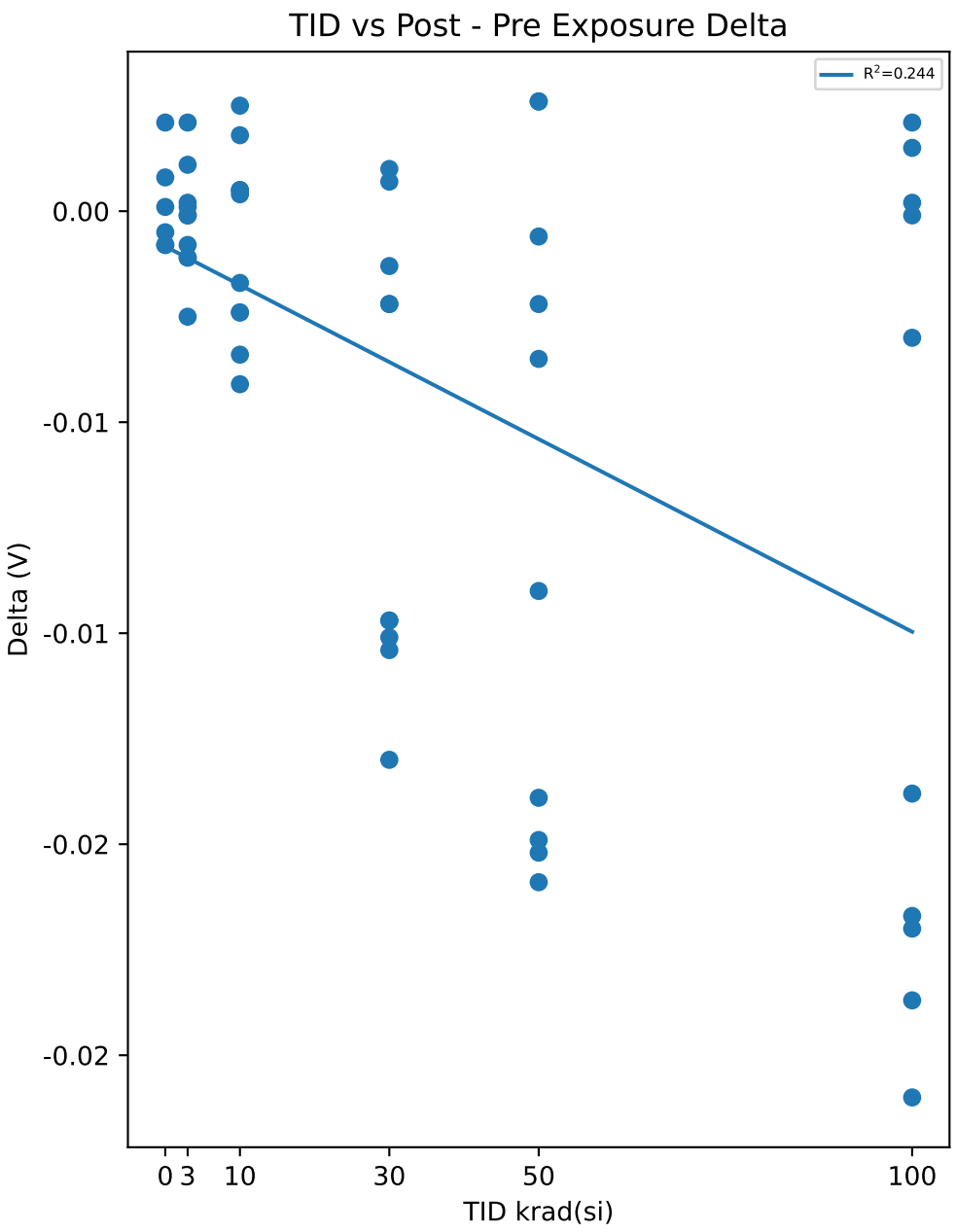
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	LDR Biased	0.611	0.6083	-0.0027
2	3	LDR Biased	0.6006	0.5959	-0.0047
3	3	LDR Biased	0.6162	0.6141	-0.0021
4	3	LDR Biased	0.6214	0.6203	-0.0011
5	3	LDR Biased	0.6143	0.6131	-0.0012
6	10	LDR Biased	0.6182	0.6135	-0.0047
7	10	LDR Biased	0.6185	0.6138	-0.0047
8	10	LDR Biased	0.6026	0.5989	-0.0037
9	10	LDR Biased	0.6023	0.5982	-0.0041
10	10	LDR Biased	0.6039	0.5992	-0.0047
11	30	LDR Biased	0.6146	0.6084	-0.0062
12	30	LDR Biased	0.6084	0.601	-0.0074
13	30	LDR Biased	0.5974	0.5925	-0.0049
14	30	LDR Biased	0.6159	0.6091	-0.0068
15	30	LDR Biased	0.6055	0.599	-0.0065
16	50	LDR Biased	0.6006	0.5929	-0.0077
17	50	LDR Biased	0.6152	0.603	-0.0122
18	50	LDR Biased	0.5984	0.5864	-0.012
19	50	LDR Biased	0.6026	0.5893	-0.0133
20	50	LDR Biased	0.6117	0.5997	-0.012
21	100	LDR Biased	0.6042	0.5852	-0.019
22	100	LDR Biased	0.5945	0.5748	-0.0197
23	100	LDR Biased	0.6023	0.5836	-0.0187
24	100	LDR Biased	0.6039	0.5859	-0.018
25	100	LDR Biased	0.6123	0.592	-0.0203
26	3	LDR Unbiased	0.6214	0.6203	-0.0011
27	3	LDR Unbiased	0.5977	0.5966	-0.0011
28	3	LDR Unbiased	0.6123	0.6102	-0.0021
29	3	LDR Unbiased	0.6078	0.6066	-0.0012
30	3	LDR Unbiased	0.6139	0.6141	0.0002
31	10	LDR Unbiased	0.6091	0.6086	-0.0005
32	10	LDR Unbiased	0.6211	0.6206	-0.0005
33	10	LDR Unbiased	0.6198	0.618	-0.0018
34	10	LDR Unbiased	0.6087	0.6079	-0.0008
35	10	LDR Unbiased	0.6097	0.6083	-0.0014
36	30	LDR Unbiased	0.6139	0.6185	0.0046
37	30	LDR Unbiased	0.6214	0.625	0.0036
38	30	LDR Unbiased	0.5909	0.5958	0.0049
39	30	LDR Unbiased	0.6026	0.6049	0.0023
40	30	LDR Unbiased	0.6172	0.6198	0.0026
41	50	LDR Unbiased	0.6023	0.6046	0.0023
42	50	LDR Unbiased	0.6084	0.6108	0.0024
43	50	LDR Unbiased	0.6045	0.6091	0.0046
44	50	LDR Unbiased	0.5961	0.6026	0.0065
45	50	LDR Unbiased	0.6055	0.6062	0.0007
46	100	LDR Unbiased	0.5938	0.5894	-0.0044
47	100	LDR Unbiased	0.5993	0.6002	0.0009
48	100	LDR Unbiased	0.5984	0.5966	-0.0018
49	100	LDR Unbiased	0.6227	0.6229	0.0002
50	100	LDR Unbiased	0.6	0.5985	-0.0015
60	0	Correlation	0.6169	0.6154	-0.0015
61	0	Correlation	0.6061	0.605	-0.0011
62	0	Correlation	0.6191	0.6167	-0.0024
63	0	Correlation	0.6061	0.6044	-0.0017
64	0	Correlation	0.5876	0.5872	-0.0004
65	0	Correlation	0.6263	0.6242	-0.0021

Test Statistics (V)

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	0.5876	0.61035	0.6263	0.01362	0.5872	0.60882	0.6242	0.012988	-0.0024	-0.0015333	-0.0004	0.0007174
3	0.5977	0.61166	0.6214	0.0078548	0.5959	0.60995	0.6203	0.0084869	-0.0047	-0.00171	0.0002	0.0013127
10	0.6023	0.61139	0.6211	0.0074032	0.5982	0.6087	0.6206	0.0079896	-0.0047	-0.00269	-0.0005	0.0018484
30	0.5909	0.60878	0.6214	0.0096565	0.5925	0.6074	0.625	0.010878	-0.0074	-0.00138	0.0049	0.005342
50	0.5961	0.60453	0.6152	0.0059063	0.5864	0.60046	0.6108	0.0083176	-0.0133	-0.00407	0.0065	0.0080438
100	0.5938	0.60314	0.6227	0.0086786	0.5748	0.59291	0.6229	0.013055	-0.0203	-0.01023	0.0009	0.0095105

Device Test: 15.13 _THRESHOLD|FALL/EN/14////@EN_VTH_FALLING





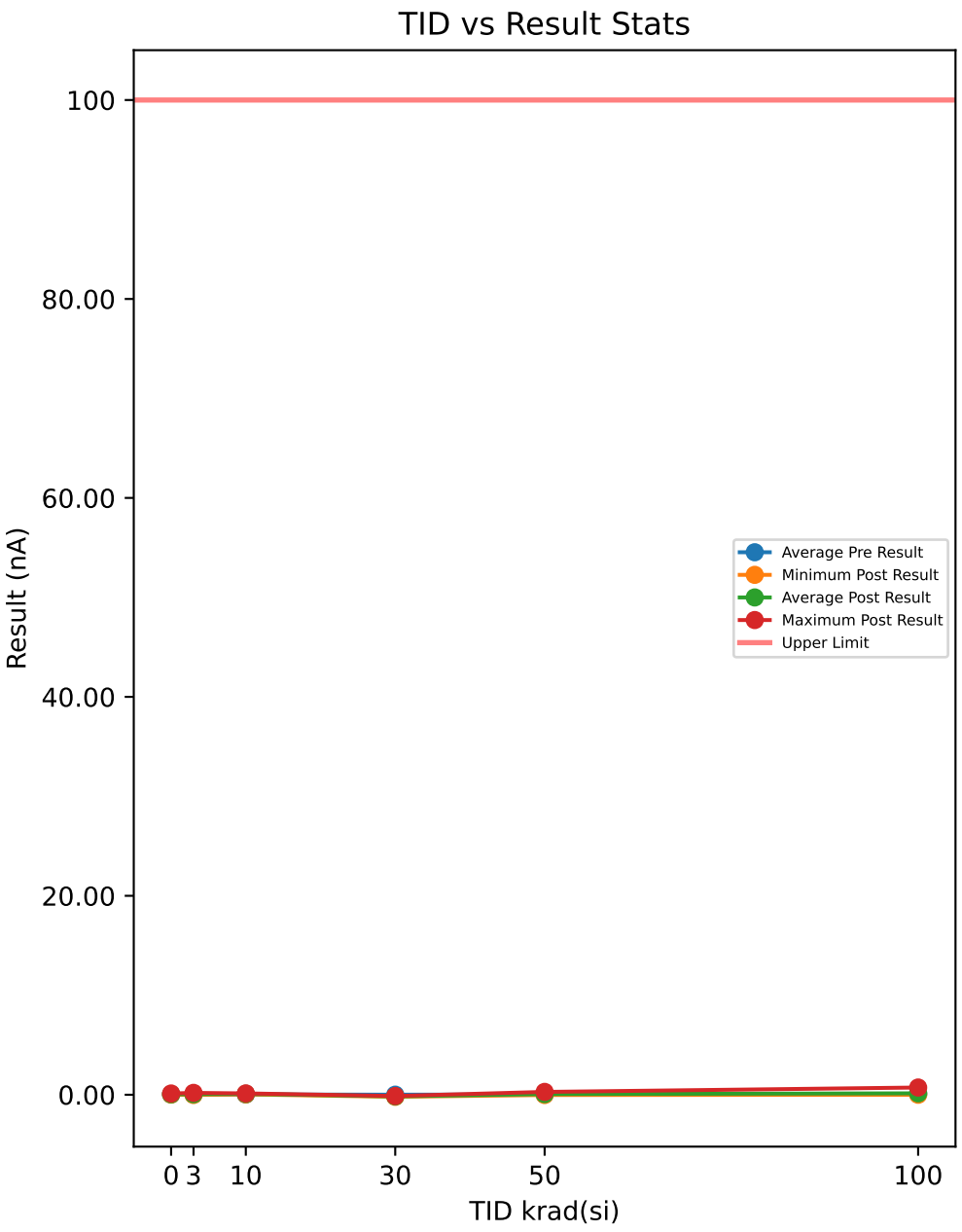
Test Results (Lower Limit = 0.455, Upper Limit = 0.554 (V))

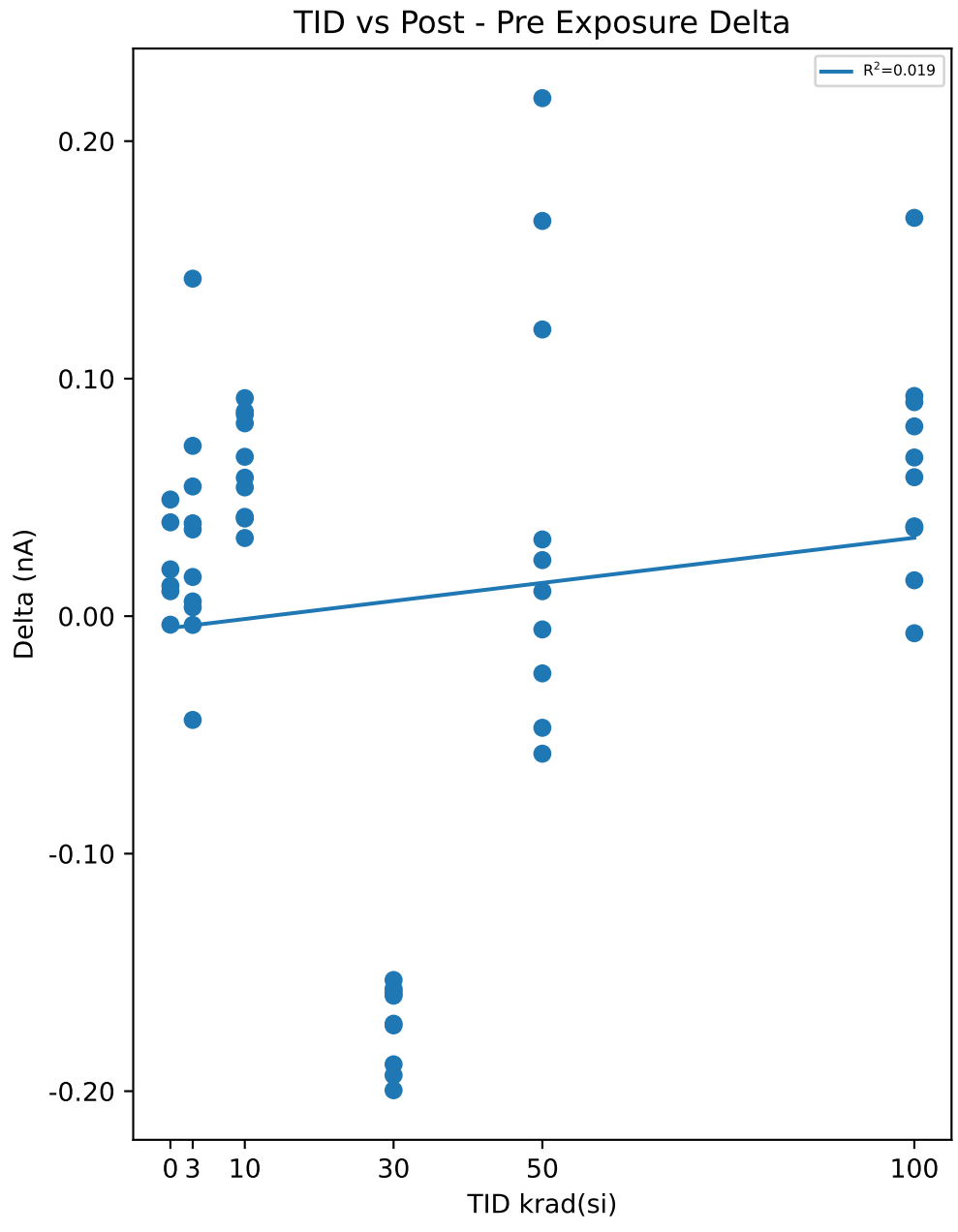
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	LDR Biased	0.5133	0.5108	-0.0025
2	3	LDR Biased	0.5019	0.5008	-0.0011
3	3	LDR Biased	0.5178	0.5177	-0.0001
4	3	LDR Biased	0.5217	0.5219	0.0002
5	3	LDR Biased	0.5172	0.5164	-0.0008
6	10	LDR Biased	0.5194	0.516	-0.0034
7	10	LDR Biased	0.5191	0.5167	-0.0024
8	10	LDR Biased	0.5035	0.5011	-0.0024
9	10	LDR Biased	0.5052	0.5011	-0.0041
10	10	LDR Biased	0.5048	0.5031	-0.0017
11	30	LDR Biased	0.5156	0.5052	-0.0104
12	30	LDR Biased	0.5104	0.4974	-0.013
13	30	LDR Biased	0.4996	0.4899	-0.0097
14	30	LDR Biased	0.5162	0.5061	-0.0101
15	30	LDR Biased	0.5068	0.4971	-0.0097
16	50	LDR Biased	0.5009	0.4919	-0.009
17	50	LDR Biased	0.5162	0.5023	-0.0139
18	50	LDR Biased	0.5009	0.4857	-0.0152
19	50	LDR Biased	0.5039	0.488	-0.0159
20	50	LDR Biased	0.5143	0.4994	-0.0149
21	100	LDR Biased	0.5061	0.4894	-0.0167
22	100	LDR Biased	0.4974	0.4764	-0.021
23	100	LDR Biased	0.5032	0.4862	-0.017
24	100	LDR Biased	0.5039	0.4901	-0.0138
25	100	LDR Biased	0.513	0.4943	-0.0187
26	3	LDR Unbiased	0.5237	0.5238	0.0001
27	3	LDR Unbiased	0.4983	0.4982	-0.0001
28	3	LDR Unbiased	0.513	0.5141	0.0011
29	3	LDR Unbiased	0.5094	0.5115	0.0021
30	3	LDR Unbiased	0.5181	0.517	-0.0011
31	10	LDR Unbiased	0.51	0.5118	0.0018
32	10	LDR Unbiased	0.5243	0.5268	0.0025
33	10	LDR Unbiased	0.5207	0.5212	0.0005
34	10	LDR Unbiased	0.5097	0.5102	0.0005
35	10	LDR Unbiased	0.5117	0.5121	0.0004
36	30	LDR Unbiased	0.5159	0.5169	0.001
37	30	LDR Unbiased	0.5243	0.5221	-0.0022
38	30	LDR Unbiased	0.4928	0.4935	0.0007
39	30	LDR Unbiased	0.5039	0.5026	-0.0013
40	30	LDR Unbiased	0.5194	0.5172	-0.0022
41	50	LDR Unbiased	0.5035	0.5029	-0.0006
42	50	LDR Unbiased	0.5123	0.5101	-0.0022
43	50	LDR Unbiased	0.5052	0.5078	0.0026
44	50	LDR Unbiased	0.499	0.5016	0.0026
45	50	LDR Unbiased	0.5071	0.5036	-0.0035
46	100	LDR Unbiased	0.4957	0.4927	-0.003
47	100	LDR Unbiased	0.5009	0.5024	0.0015
48	100	LDR Unbiased	0.5009	0.5011	0.0002
49	100	LDR Unbiased	0.525	0.5271	0.0021
50	100	LDR Unbiased	0.5022	0.5021	-0.0001
60	0	Correlation	0.5172	0.5193	0.0021
61	0	Correlation	0.5087	0.5082	-0.0005
62	0	Correlation	0.5201	0.5209	0.0008
63	0	Correlation	0.5094	0.5095	0.0001
64	0	Correlation	0.4905	0.4897	-0.0008
65	0	Correlation	0.5292	0.5284	-0.0008

Test Statistics (V)

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	0.4905	0.51252	0.5292	0.013167	0.4897	0.51267	0.5284	0.013541	-0.0008	0.00015	0.0021	0.0011362
3	0.4983	0.51344	0.5237	0.0082144	0.4982	0.51322	0.5238	0.0083079	-0.0025	-0.00022	0.0021	0.00127
10	0.5035	0.51284	0.5243	0.0074893	0.5011	0.51201	0.5268	0.0085757	-0.0041	-0.00083	0.0025	0.0022618
30	0.4928	0.51049	0.5243	0.0096992	0.4899	0.5048	0.5221	0.010903	-0.013	-0.00569	0.001	0.005338
50	0.499	0.50633	0.5162	0.0060098	0.4857	0.49933	0.5101	0.0081788	-0.0159	-0.007	0.0026	0.0076088
100	0.4957	0.50483	0.525	0.0085315	0.4764	0.49618	0.5271	0.013513	-0.021	-0.00865	0.0021	0.0095249

Device Test: 15.15 _LEAK|POWERED/EN/14////@EN_LKG_CURR





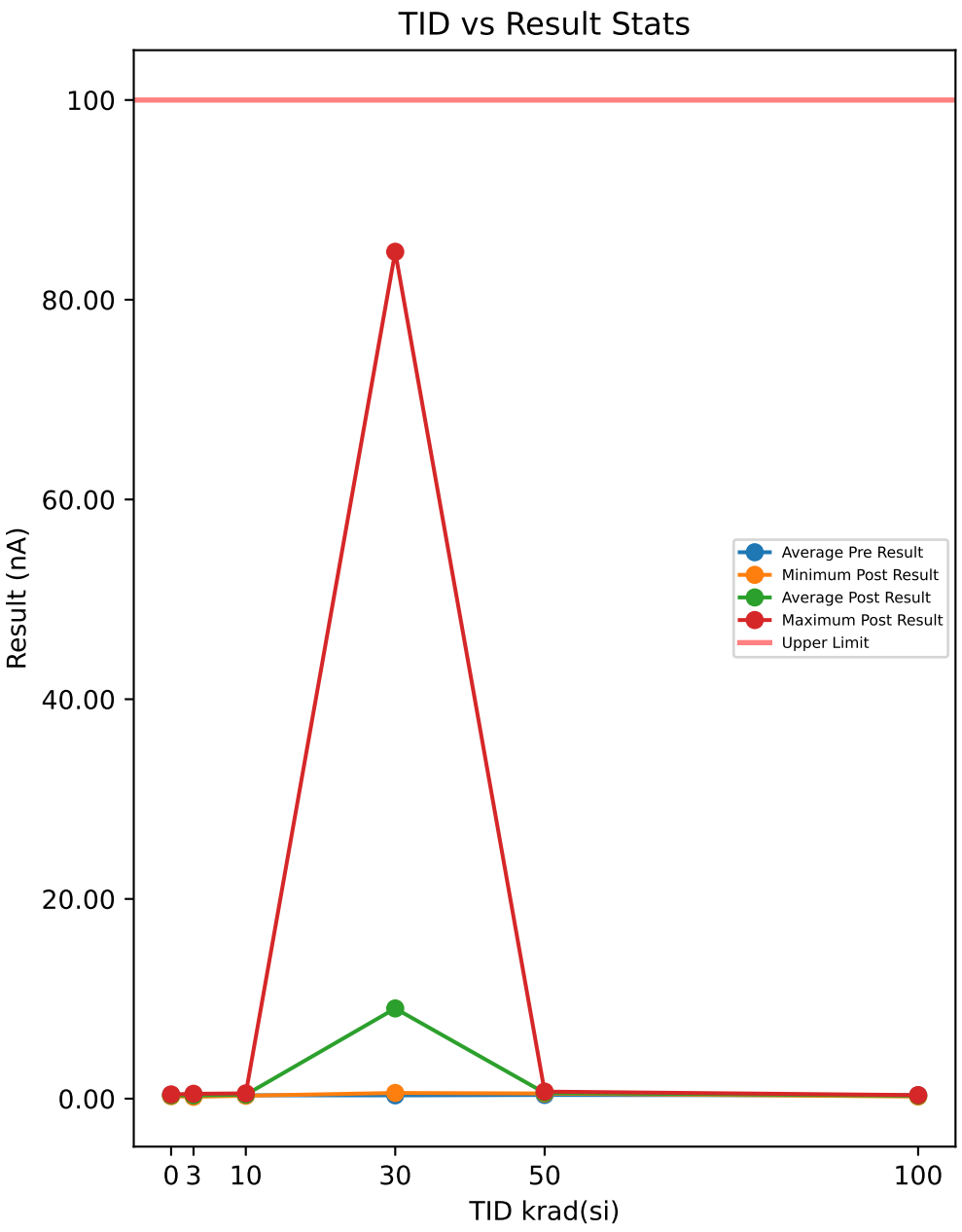
Test Results (Upper Limit = 100.0 (nA))

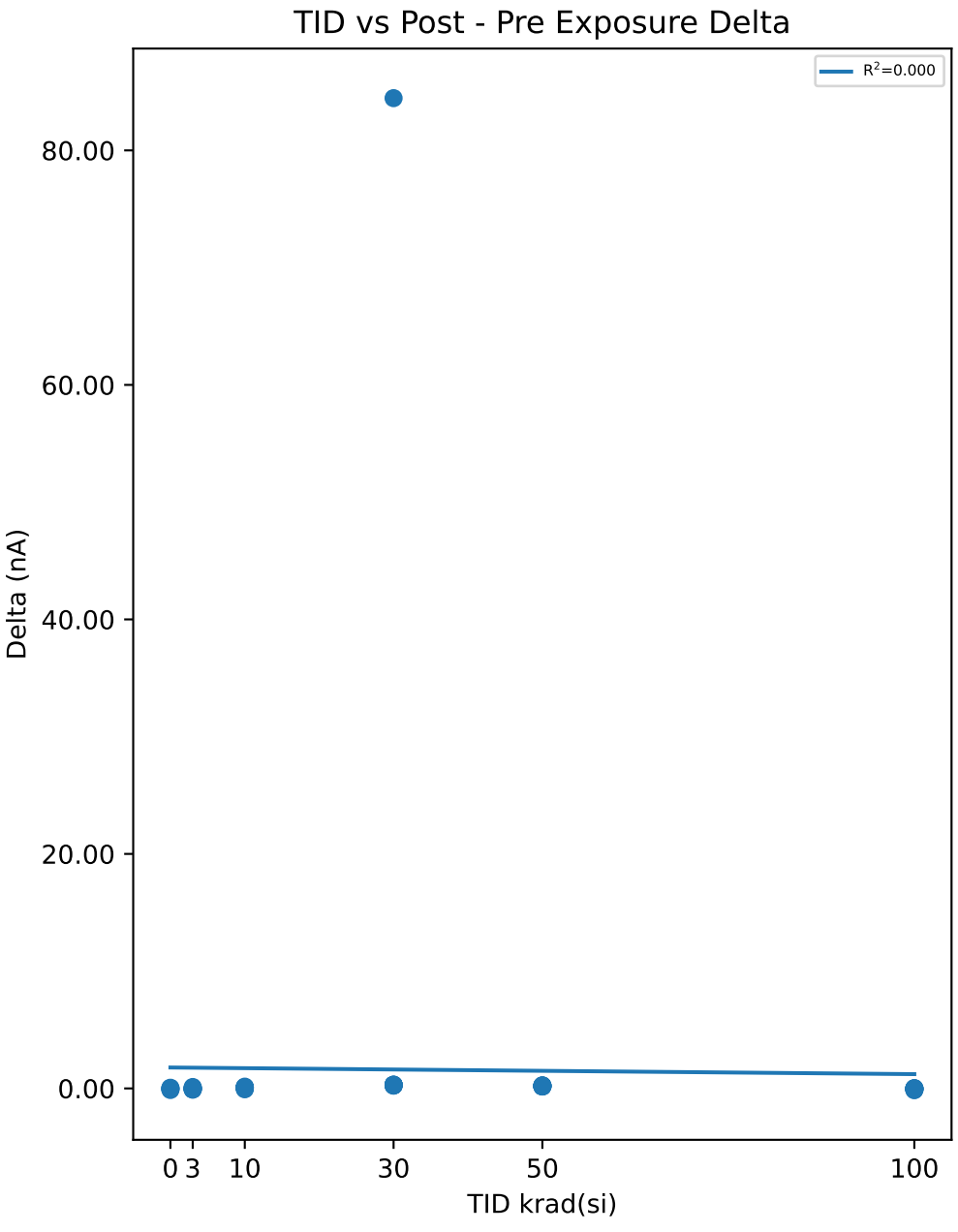
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	LDR Biased	-0.0053	0.0664	0.0717
2	3	LDR Biased	0.0457	0.1878	0.1421
3	3	LDR Biased	0.0421	-0.0016	-0.0437
4	3	LDR Biased	0.1372	0.1335	-0.0037
5	3	LDR Biased	-0.0289	-0.0227	0.0062
6	10	LDR Biased	0.0441	0.1359	0.0918
7	10	LDR Biased	-0.0059	0.0803	0.0862
8	10	LDR Biased	0.0405	0.1217	0.0812
9	10	LDR Biased	0.0645	0.1187	0.0542
10	10	LDR Biased	-0.0115	0.0734	0.0849
11	30	LDR Biased	0.0026	-0.1697	-0.1723
12	30	LDR Biased	0.0138	-0.1578	-0.1716
13	30	LDR Biased	-0.0066	-0.2062	-0.1996
14	30	LDR Biased	0.0217	-0.167	-0.1887
15	30	LDR Biased	0.0303	-0.1266	-0.1569
16	50	LDR Biased	-0.0174	-0.023	-0.0056
17	50	LDR Biased	0.0095	0.0418	0.0323
18	50	LDR Biased	0.1247	0.0668	-0.0579
19	50	LDR Biased	0.0678	0.2859	0.2181
20	50	LDR Biased	0.0477	0.0007	-0.047
21	100	LDR Biased	0.5589	0.7266	0.1677
22	100	LDR Biased	0.0839	0.121	0.0371
23	100	LDR Biased	0.0724	0.0875	0.0151
24	100	LDR Biased	-0.0273	0.0628	0.0901
25	100	LDR Biased	0.0362	0.0947	0.0585
26	3	LDR Unbiased	-0.022	0.0326	0.0546
27	3	LDR Unbiased	0.028	0.0671	0.0391
28	3	LDR Unbiased	-0.027	-0.0105	0.0165
29	3	LDR Unbiased	0.0109	0.0474	0.0365
30	3	LDR Unbiased	0.0289	0.0326	0.0037
31	10	LDR Unbiased	0.0151	0.0734	0.0583
32	10	LDR Unbiased	0.0122	0.0451	0.0329
33	10	LDR Unbiased	-0.0049	0.0362	0.0411
34	10	LDR Unbiased	0.0411	0.1082	0.0671
35	10	LDR Unbiased	0.0454	0.0872	0.0418
36	30	LDR Unbiased	-0.0036	-0.1634	-0.1598
37	30	LDR Unbiased	0.0059	-0.1473	-0.1532
38	30	LDR Unbiased	-0.0158	-0.1749	-0.1591
39	30	LDR Unbiased	0.0197	-0.1381	-0.1578
40	30	LDR Unbiased	-0.002	-0.1953	-0.1933
41	50	LDR Unbiased	0.0237	0.0342	0.0105
42	50	LDR Unbiased	-0.0266	-0.003	0.0236
43	50	LDR Unbiased	0.0257	0.1464	0.1207
44	50	LDR Unbiased	-0.0016	-0.0257	-0.0241
45	50	LDR Unbiased	-0.0072	0.1592	0.1664
46	100	LDR Unbiased	0.0063	0.0441	0.0378
47	100	LDR Unbiased	0.0365	0.1164	0.0799
48	100	LDR Unbiased	0.0059	-0.0013	-0.0072
49	100	LDR Unbiased	-0.0188	0.048	0.0668
50	100	LDR Unbiased	0.0382	0.1309	0.0927
60	0	Correlation	0.0181	0.0378	0.0197
61	0	Correlation	0.0444	0.0572	0.0128
62	0	Correlation	0.1286	0.125	-0.0036
63	0	Correlation	-0.0336	0.0155	0.0491
64	0	Correlation	0.0148	0.0543	0.0395
65	0	Correlation	0.0181	0.0286	0.0105

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	-0.0336	0.031733	0.1286	0.053797	0.0155	0.053067	0.125	0.038564	-0.0036	0.021333	0.0491	0.019573
3	-0.0289	0.02096	0.1372	0.04956	-0.0227	0.05326	0.1878	0.065521	-0.0437	0.0323	0.1421	0.050542
10	-0.0115	0.02406	0.0645	0.026404	0.0362	0.08801	0.1359	0.032982	0.0329	0.06395	0.0918	0.021398
30	-0.0158	0.0066	0.0303	0.014467	-0.2062	-0.16463	-0.1266	0.024276	-0.1996	-0.17123	-0.1532	0.016954
50	-0.0266	0.02463	0.1247	0.045623	-0.0257	0.06833	0.2859	0.10022	-0.0579	0.0437	0.2181	0.09346
100	-0.0273	0.07922	0.5589	0.17229	-0.0013	0.14307	0.7266	0.20907	-0.0072	0.06385	0.1677	0.048785

Device Test: 15.16 _LEAK|POWERED/ILIM/14////@ILIM_LKG_CURR





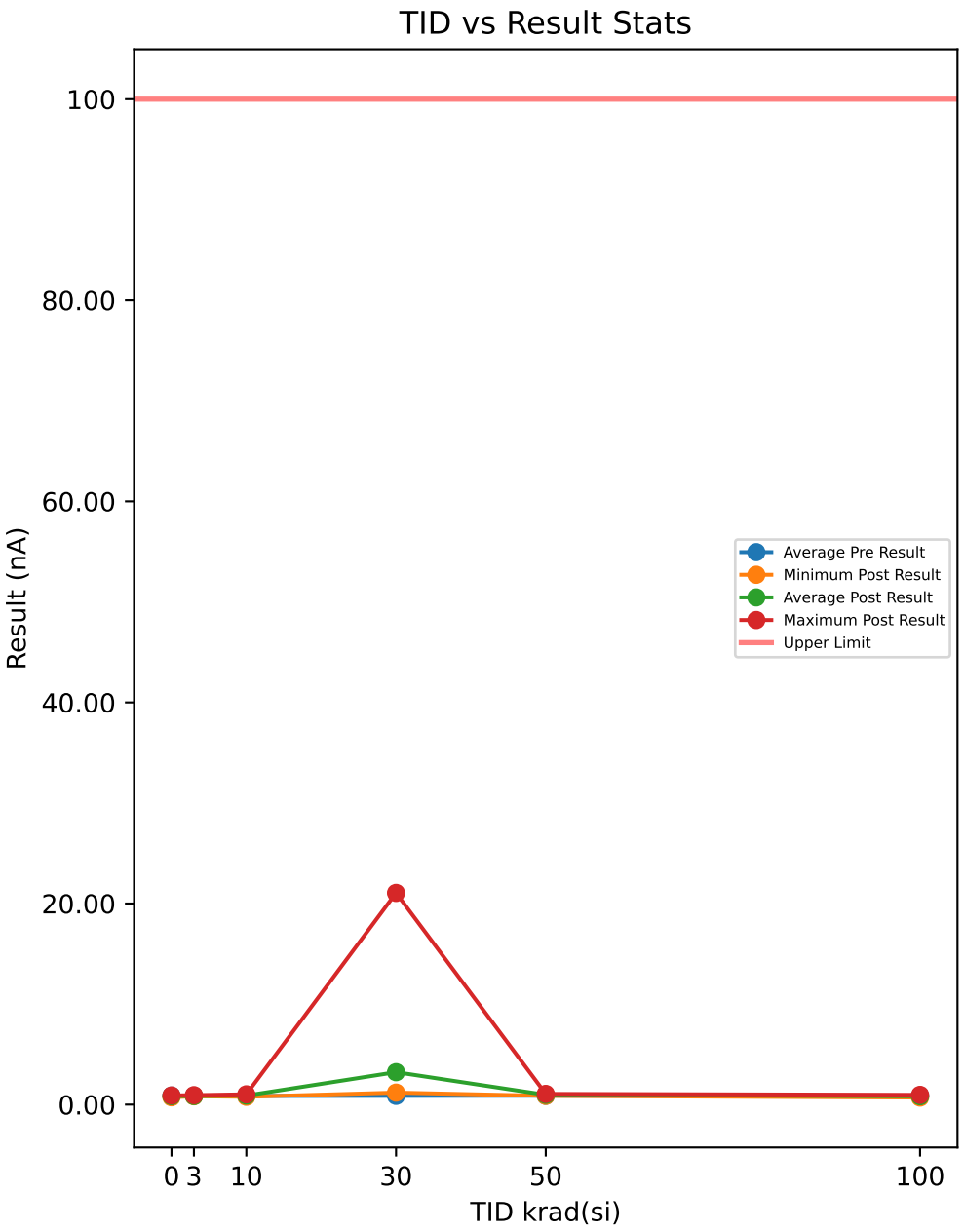
Test Results (Upper Limit = 100.0 (nA))

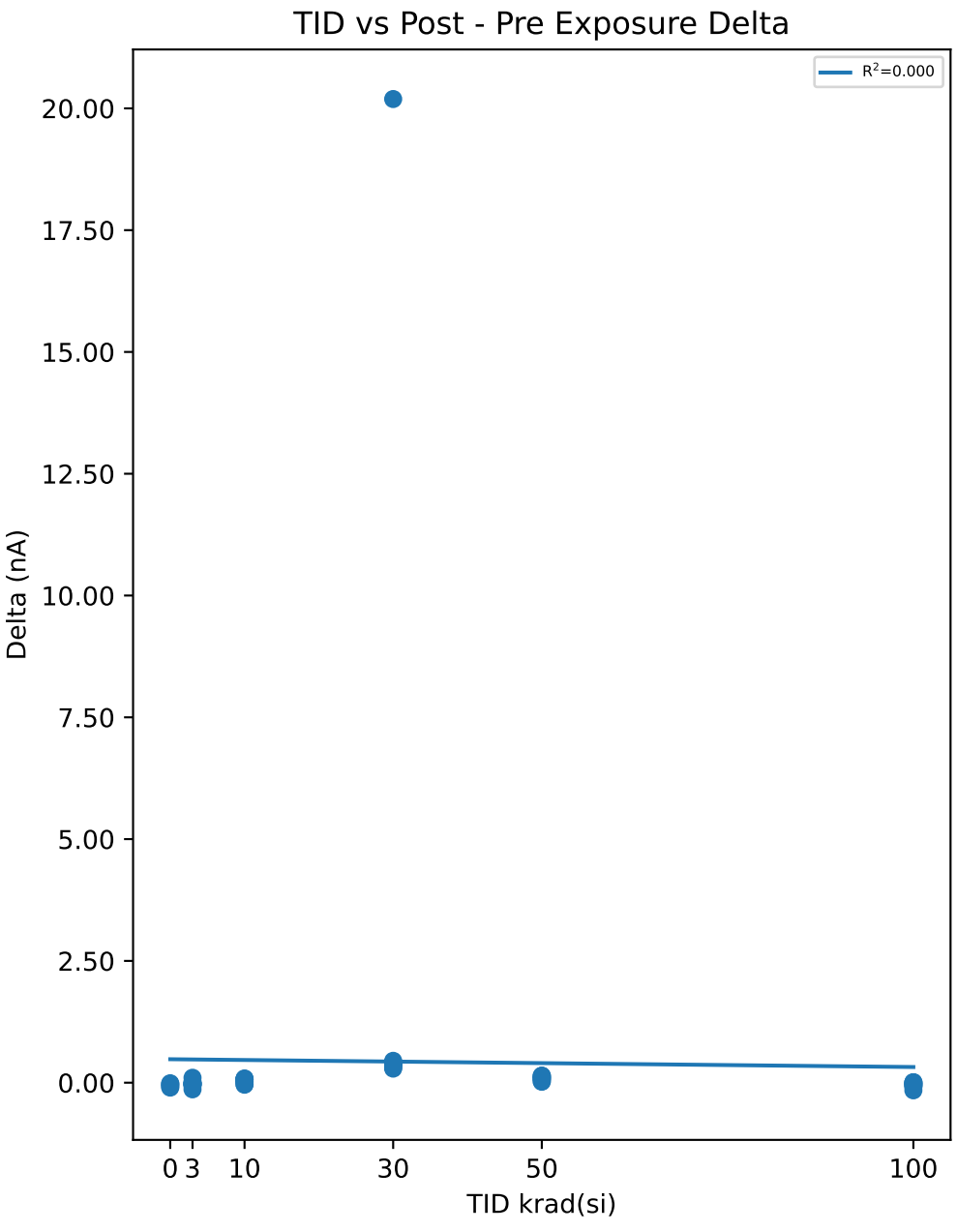
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	LDR Biased	0.3303	0.3258	-0.0045
2	3	LDR Biased	0.3567	0.2949	-0.0618
3	3	LDR Biased	0.2599	0.3113	0.0514
4	3	LDR Biased	0.2889	0.2731	-0.0158
5	3	LDR Biased	0.3645	0.487	0.1225
6	10	LDR Biased	0.3224	0.3337	0.0113
7	10	LDR Biased	0.356	0.4173	0.0613
8	10	LDR Biased	0.3692	0.2949	-0.0743
9	10	LDR Biased	0.2941	0.3679	0.0738
10	10	LDR Biased	0.3843	0.4035	0.0192
11	30	LDR Biased	0.3507	84.805	84.455
12	30	LDR Biased	0.3586	0.6201	0.2615
13	30	LDR Biased	0.3402	0.6254	0.2852
14	30	LDR Biased	0.308	0.6103	0.3023
15	30	LDR Biased	0.3369	0.6405	0.3036
16	50	LDR Biased	0.3678	0.5834	0.2156
17	50	LDR Biased	0.3928	0.5834	0.1906
18	50	LDR Biased	0.2731	0.5182	0.2451
19	50	LDR Biased	0.3974	0.559	0.1616
20	50	LDR Biased	0.4494	0.7071	0.2577
21	100	LDR Biased	0.329	0.3232	-0.0058
22	100	LDR Biased	0.3744	0.3218	-0.0526
23	100	LDR Biased	0.3034	0.287	-0.0164
24	100	LDR Biased	0.3185	0.2435	-0.075
25	100	LDR Biased	0.4508	0.2975	-0.1533
26	3	LDR Unbiased	0.3856	0.3324	-0.0532
27	3	LDR Unbiased	0.2843	0.1863	-0.098
28	3	LDR Unbiased	0.4317	0.4232	-0.0085
29	3	LDR Unbiased	0.3994	0.4456	0.0462
30	3	LDR Unbiased	0.3093	0.2146	-0.0947
31	10	LDR Unbiased	0.2737	0.3455	0.0718
32	10	LDR Unbiased	0.3257	0.4778	0.1521
33	10	LDR Unbiased	0.2843	0.3455	0.0612
34	10	LDR Unbiased	0.3178	0.4324	0.1146
35	10	LDR Unbiased	0.4508	0.5292	0.0784
36	30	LDR Unbiased	0.3343	0.5762	0.2419
37	30	LDR Unbiased	0.3395	0.5821	0.2426
38	30	LDR Unbiased	0.2547	0.5716	0.3169
39	30	LDR Unbiased	0.3468	0.6549	0.3081
40	30	LDR Unbiased	0.3488	0.6424	0.2936
41	50	LDR Unbiased	0.3632	0.5794	0.2162
42	50	LDR Unbiased	0.308	0.555	0.247
43	50	LDR Unbiased	0.3178	0.5208	0.203
44	50	LDR Unbiased	0.429	0.6011	0.1721
45	50	LDR Unbiased	0.41	0.5827	0.1727
46	100	LDR Unbiased	0.2961	0.2126	-0.0835
47	100	LDR Unbiased	0.3757	0.3554	-0.0203
48	100	LDR Unbiased	0.3066	0.3232	0.0166
49	100	LDR Unbiased	0.3178	0.2771	-0.0407
50	100	LDR Unbiased	0.281	0.2995	0.0185
60	0	Correlation	0.3093	0.337	0.0277
61	0	Correlation	0.3645	0.4219	0.0574
62	0	Correlation	0.3639	0.2995	-0.0644
63	0	Correlation	0.3981	0.3633	-0.0348
64	0	Correlation	0.3435	0.3284	-0.0151
65	0	Correlation	0.3836	0.2508	-0.1328

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	0.3093	0.36048	0.3981	0.031258	0.2508	0.33348	0.4219	0.057855	-0.1328	-0.027	0.0574	0.067691
3	0.2599	0.34106	0.4317	0.055828	0.1863	0.32942	0.487	0.097471	-0.098	-0.01164	0.1225	0.069914
10	0.2737	0.33783	0.4508	0.053658	0.2949	0.39477	0.5292	0.071683	-0.0743	0.05694	0.1521	0.061567
30	0.2547	0.33185	0.3586	0.030299	0.5716	9.0329	84.805	26.624	0.2419	8.701	84.455	26.617
50	0.2731	0.37085	0.4494	0.056429	0.5182	0.57901	0.7071	0.052716	0.1616	0.20816	0.2577	0.034169
100	0.281	0.33533	0.4508	0.051051	0.2126	0.29408	0.3554	0.041901	-0.1533	-0.04125	0.0185	0.052534

Device Test: 15.2 _LEAK|UNPOWERED/ILIM/0////@ILIM_LKG_CURR





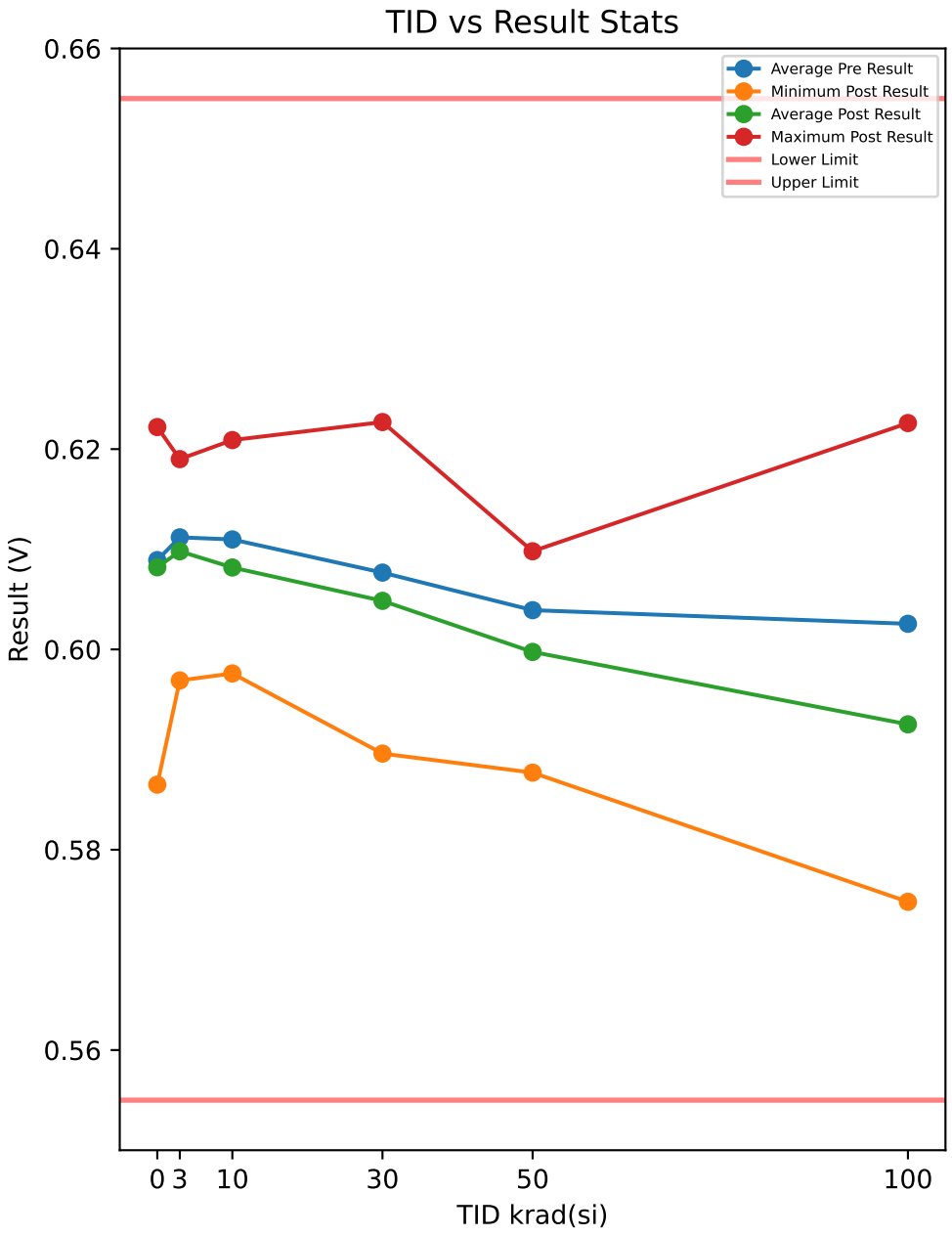
Test Results (Upper Limit = 100.0 (nA))

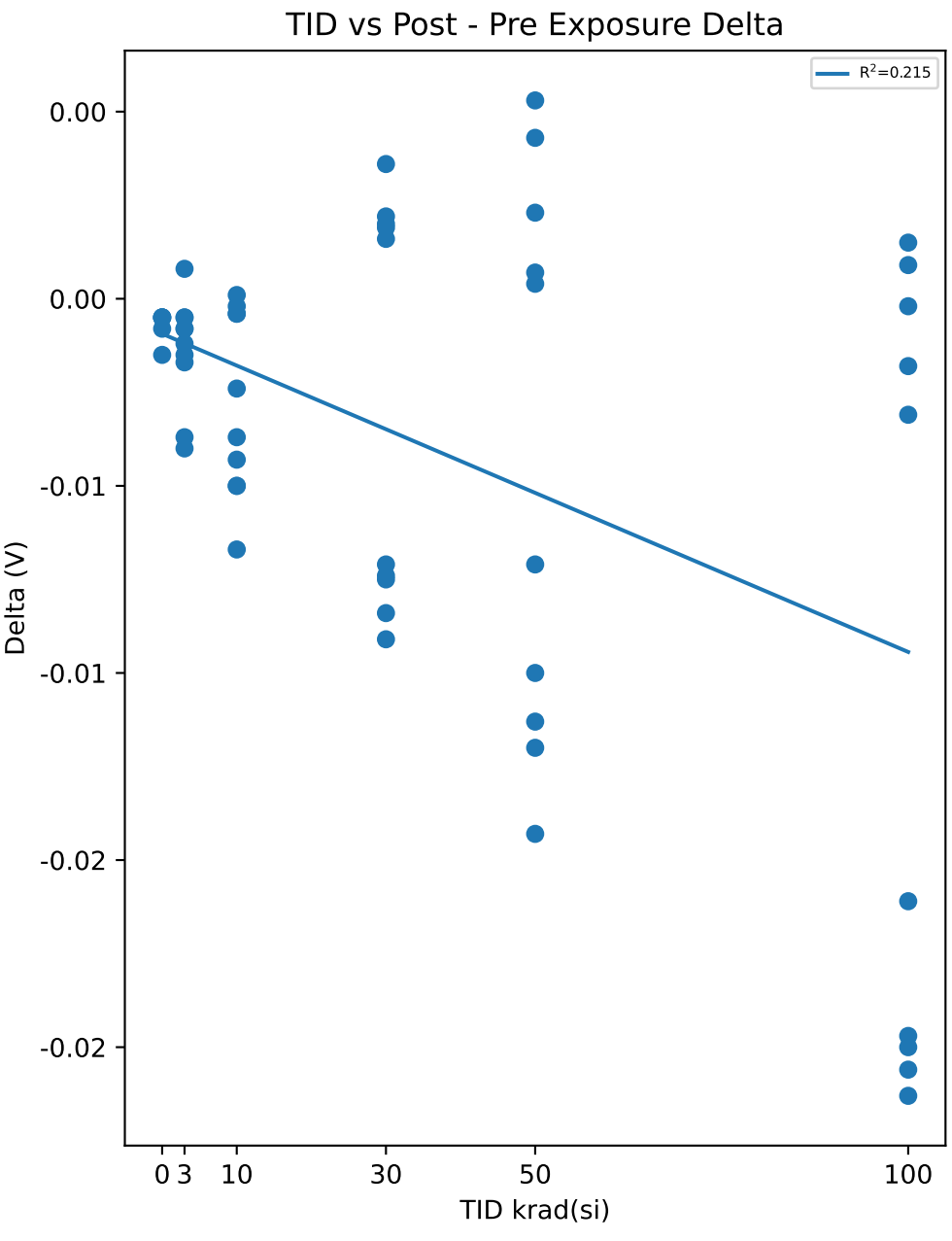
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	LDR Biased	0.8341	0.8406	0.0065
2	3	LDR Biased	0.8981	0.8756	-0.0225
3	3	LDR Biased	0.832	0.8407	0.0087
4	3	LDR Biased	0.8529	0.8251	-0.0278
5	3	LDR Biased	0.8607	0.8319	-0.0288
6	10	LDR Biased	0.8646	0.8232	-0.0414
7	10	LDR Biased	0.8426	0.8555	0.0129
8	10	LDR Biased	0.8055	0.8688	0.0633
9	10	LDR Biased	0.8334	0.8962	0.0628
10	10	LDR Biased	0.8692	0.9563	0.0871
11	30	LDR Biased	0.8633	21.055	20.192
12	30	LDR Biased	0.9178	1.2896	0.3718
13	30	LDR Biased	0.8261	1.2465	0.4204
14	30	LDR Biased	0.8815	1.1904	0.3089
15	30	LDR Biased	0.9249	1.2143	0.2894
16	50	LDR Biased	0.8306	0.975	0.1444
17	50	LDR Biased	0.8981	0.9254	0.0273
18	50	LDR Biased	0.8178	0.9547	0.1369
19	50	LDR Biased	0.8823	0.9656	0.0833
20	50	LDR Biased	0.942	1.0553	0.1133
21	100	LDR Biased	0.8396	0.7591	-0.0805
22	100	LDR Biased	0.8946	0.8277	-0.0669
23	100	LDR Biased	0.857	0.7004	-0.1566
24	100	LDR Biased	0.8394	0.8313	-0.0081
25	100	LDR Biased	0.9652	0.9661	0.0009
26	3	LDR Unbiased	0.8351	0.9365	0.1014
27	3	LDR Unbiased	0.9121	0.8727	-0.0394
28	3	LDR Unbiased	0.9723	0.836	-0.1363
29	3	LDR Unbiased	0.8956	0.8342	-0.0614
30	3	LDR Unbiased	0.8879	0.8636	-0.0243
31	10	LDR Unbiased	0.8659	0.9266	0.0607
32	10	LDR Unbiased	0.8032	0.7755	-0.0277
33	10	LDR Unbiased	0.8347	0.8599	0.0252
34	10	LDR Unbiased	0.909	0.9844	0.0754
35	10	LDR Unbiased	0.9627	1.0217	0.059
36	30	LDR Unbiased	0.8355	1.2193	0.3838
37	30	LDR Unbiased	0.8672	1.2611	0.3939
38	30	LDR Unbiased	0.8606	1.2719	0.4113
39	30	LDR Unbiased	0.911	1.2531	0.3421
40	30	LDR Unbiased	0.793	1.2418	0.4488
41	50	LDR Unbiased	0.9227	1.0626	0.1399
42	50	LDR Unbiased	0.7997	0.8662	0.0665
43	50	LDR Unbiased	0.8884	0.9757	0.0873
44	50	LDR Unbiased	0.9139	1.003	0.0891
45	50	LDR Unbiased	0.9094	0.9298	0.0204
46	100	LDR Unbiased	0.9014	0.8669	-0.0345
47	100	LDR Unbiased	0.8807	0.8895	0.0088
48	100	LDR Unbiased	0.8474	0.7965	-0.0509
49	100	LDR Unbiased	0.8451	0.8082	-0.0369
50	100	LDR Unbiased	0.86	0.868	0.008
60	0	Correlation	0.8266	0.7264	-0.1002
61	0	Correlation	0.8981	0.8389	-0.0592
62	0	Correlation	0.8776	0.8469	-0.0307
63	0	Correlation	0.9323	0.9078	-0.0245
64	0	Correlation	0.9168	0.9049	-0.0119
65	0	Correlation	0.8979	0.8113	-0.0866

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	0.8266	0.89155	0.9323	0.036863	0.7264	0.83937	0.9078	0.067207	-0.1002	-0.052183	-0.0119	0.035749
3	0.832	0.87808	0.9723	0.044322	0.8251	0.85569	0.9365	0.03347	-0.1363	-0.02239	0.1014	0.059615
10	0.8032	0.85908	0.9627	0.048221	0.7755	0.89681	1.0217	0.075781	-0.0414	0.03773	0.0871	0.044014
30	0.793	0.86809	0.9249	0.042509	1.1904	3.2243	21.055	6.2651	0.2894	2.3562	20.192	6.2669
50	0.7997	0.88049	0.942	0.048119	0.8662	0.97133	1.0626	0.059267	0.0204	0.09084	0.1444	0.044178
100	0.8394	0.87304	0.9652	0.039351	0.7004	0.83137	0.9661	0.073241	-0.1566	-0.04167	0.0088	0.051062

Device Test: 15.3 _THRESHOLD|RISE/EN/4.5////@EN_VTH_RISING





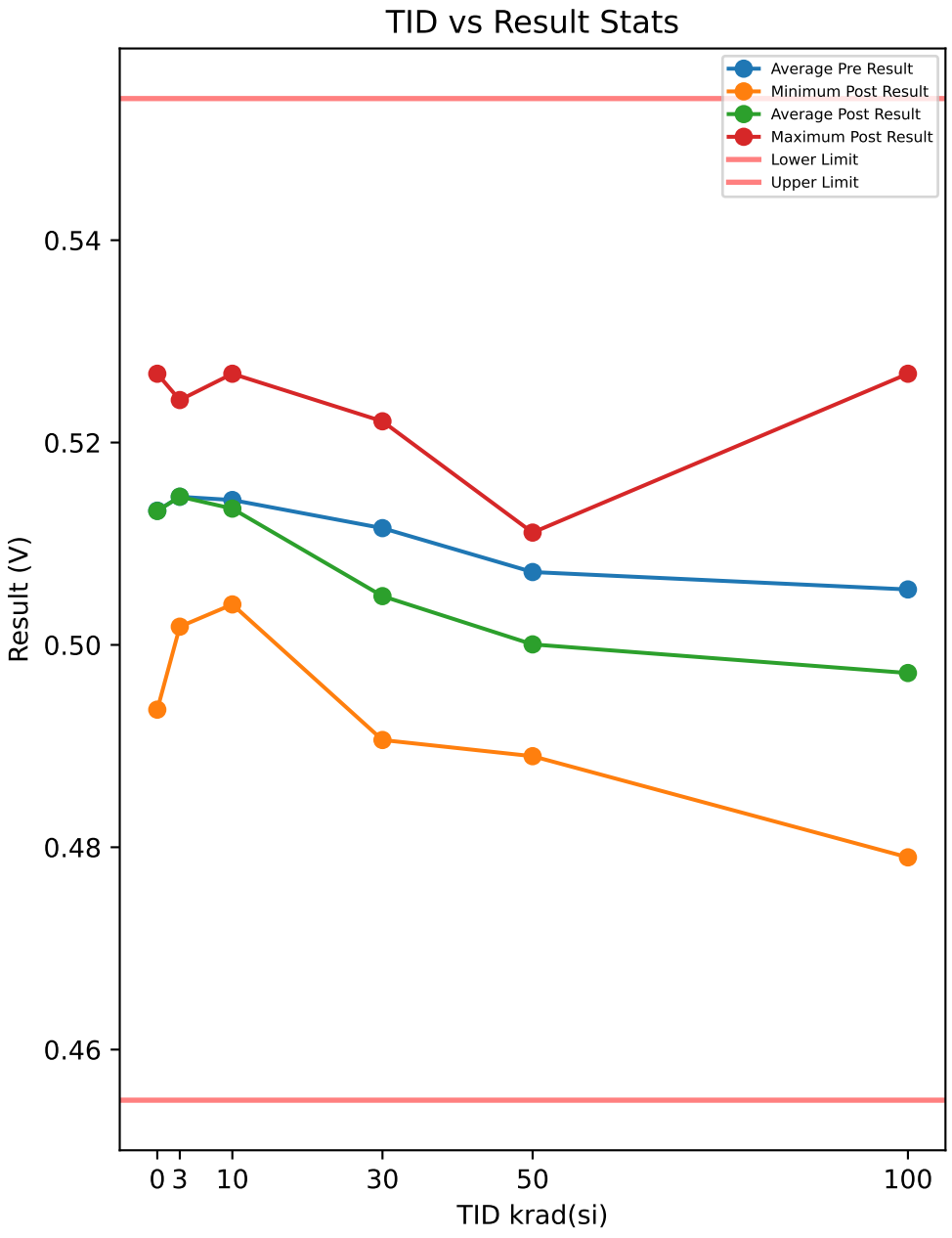
Test Results (Lower Limit = 0.555, Upper Limit = 0.655 (V))

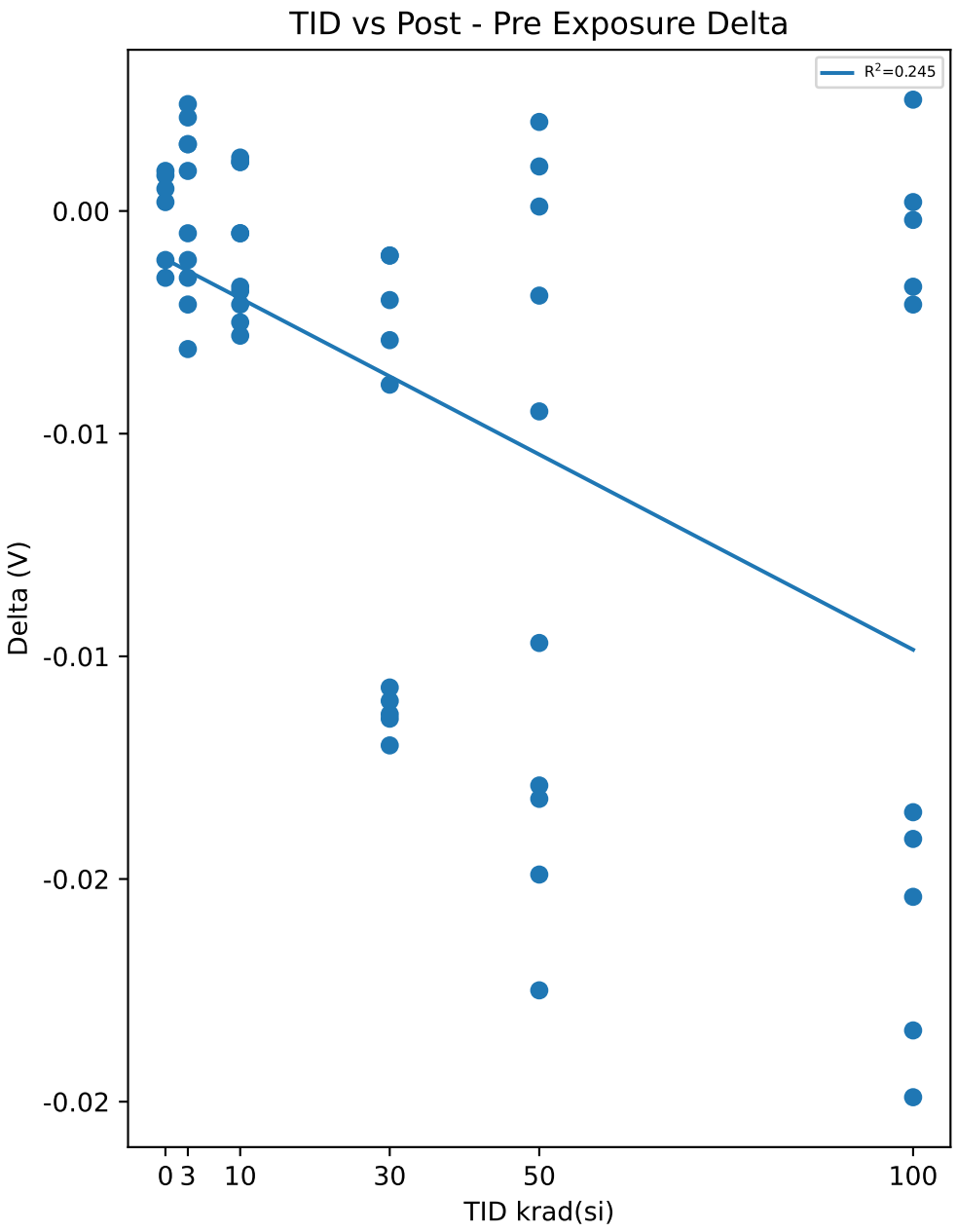
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	LDR Biased	0.6113	0.6073	-0.004
2	3	LDR Biased	0.6013	0.5976	-0.0037
3	3	LDR Biased	0.6152	0.6135	-0.0017
4	3	LDR Biased	0.6182	0.619	0.0008
5	3	LDR Biased	0.6146	0.6131	-0.0015
6	10	LDR Biased	0.6185	0.6118	-0.0067
7	10	LDR Biased	0.6162	0.6112	-0.005
8	10	LDR Biased	0.6042	0.6005	-0.0037
9	10	LDR Biased	0.6032	0.5982	-0.005
10	10	LDR Biased	0.6019	0.5976	-0.0043
11	30	LDR Biased	0.612	0.6045	-0.0075
12	30	LDR Biased	0.6061	0.5987	-0.0074
13	30	LDR Biased	0.598	0.5896	-0.0084
14	30	LDR Biased	0.6139	0.6068	-0.0071
15	30	LDR Biased	0.6055	0.5964	-0.0091
16	50	LDR Biased	0.601	0.5939	-0.0071
17	50	LDR Biased	0.6133	0.6013	-0.012
18	50	LDR Biased	0.5977	0.5877	-0.01
19	50	LDR Biased	0.6023	0.588	-0.0143
20	50	LDR Biased	0.6097	0.5984	-0.0113
21	100	LDR Biased	0.6039	0.5842	-0.0197
22	100	LDR Biased	0.5961	0.5748	-0.0213
23	100	LDR Biased	0.6016	0.5816	-0.02
24	100	LDR Biased	0.6023	0.5862	-0.0161
25	100	LDR Biased	0.6104	0.5898	-0.0206
26	3	LDR Unbiased	0.6195	0.6183	-0.0012
27	3	LDR Unbiased	0.5977	0.5969	-0.0008
28	3	LDR Unbiased	0.6117	0.6109	-0.0008
29	3	LDR Unbiased	0.6081	0.6076	-0.0005
30	3	LDR Unbiased	0.6143	0.6138	-0.0005
31	10	LDR Unbiased	0.6087	0.6083	-0.0004
32	10	LDR Unbiased	0.6208	0.6209	0.0001
33	10	LDR Unbiased	0.6191	0.6187	-0.0004
34	10	LDR Unbiased	0.6081	0.6057	-0.0024
35	10	LDR Unbiased	0.6091	0.6089	-0.0002
36	30	LDR Unbiased	0.6123	0.6159	0.0036
37	30	LDR Unbiased	0.6211	0.6227	0.0016
38	30	LDR Unbiased	0.5919	0.5938	0.0019
39	30	LDR Unbiased	0.601	0.6032	0.0022
40	30	LDR Unbiased	0.6149	0.6169	0.002
41	50	LDR Unbiased	0.6016	0.6039	0.0023
42	50	LDR Unbiased	0.6091	0.6098	0.0007
43	50	LDR Unbiased	0.6029	0.6082	0.0053
44	50	LDR Unbiased	0.5961	0.6004	0.0043
45	50	LDR Unbiased	0.6055	0.6059	0.0004
46	100	LDR Unbiased	0.5932	0.5901	-0.0031
47	100	LDR Unbiased	0.5984	0.5982	-0.0002
48	100	LDR Unbiased	0.5977	0.5992	0.0015
49	100	LDR Unbiased	0.6217	0.6226	0.0009
50	100	LDR Unbiased	0.6003	0.5985	-0.0018
60	0	Correlation	0.6136	0.6131	-0.0005
61	0	Correlation	0.6055	0.6047	-0.0008
62	0	Correlation	0.6185	0.618	-0.0005
63	0	Correlation	0.6052	0.6047	-0.0005
64	0	Correlation	0.588	0.5865	-0.0015
65	0	Correlation	0.6227	0.6222	-0.0005

Test Statistics (V)

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	0.588	0.60892	0.6227	0.012383	0.5865	0.6082	0.6222	0.012739	-0.0015	-0.00071667	-0.0005	0.00040208
3	0.5977	0.61119	0.6195	0.0070332	0.5969	0.6098	0.619	0.0076378	-0.004	-0.00139	0.0008	0.001467
10	0.6019	0.61098	0.6208	0.0070878	0.5976	0.60818	0.6209	0.0079714	-0.0067	-0.0028	0.0001	0.0024676
30	0.5919	0.60767	0.6211	0.0088538	0.5896	0.60485	0.6227	0.010834	-0.0091	-0.00282	0.0036	0.0054082
50	0.5961	0.60392	0.6133	0.0054583	0.5877	0.59975	0.6098	0.0078144	-0.0143	-0.00417	0.0053	0.0074924
100	0.5932	0.60256	0.6217	0.0082054	0.5748	0.59252	0.6226	0.013221	-0.0213	-0.01004	0.0015	0.010183

Device Test: 15.4 _THRESHOLD|FALL/EN/4.5////@EN_VTH_FALLING





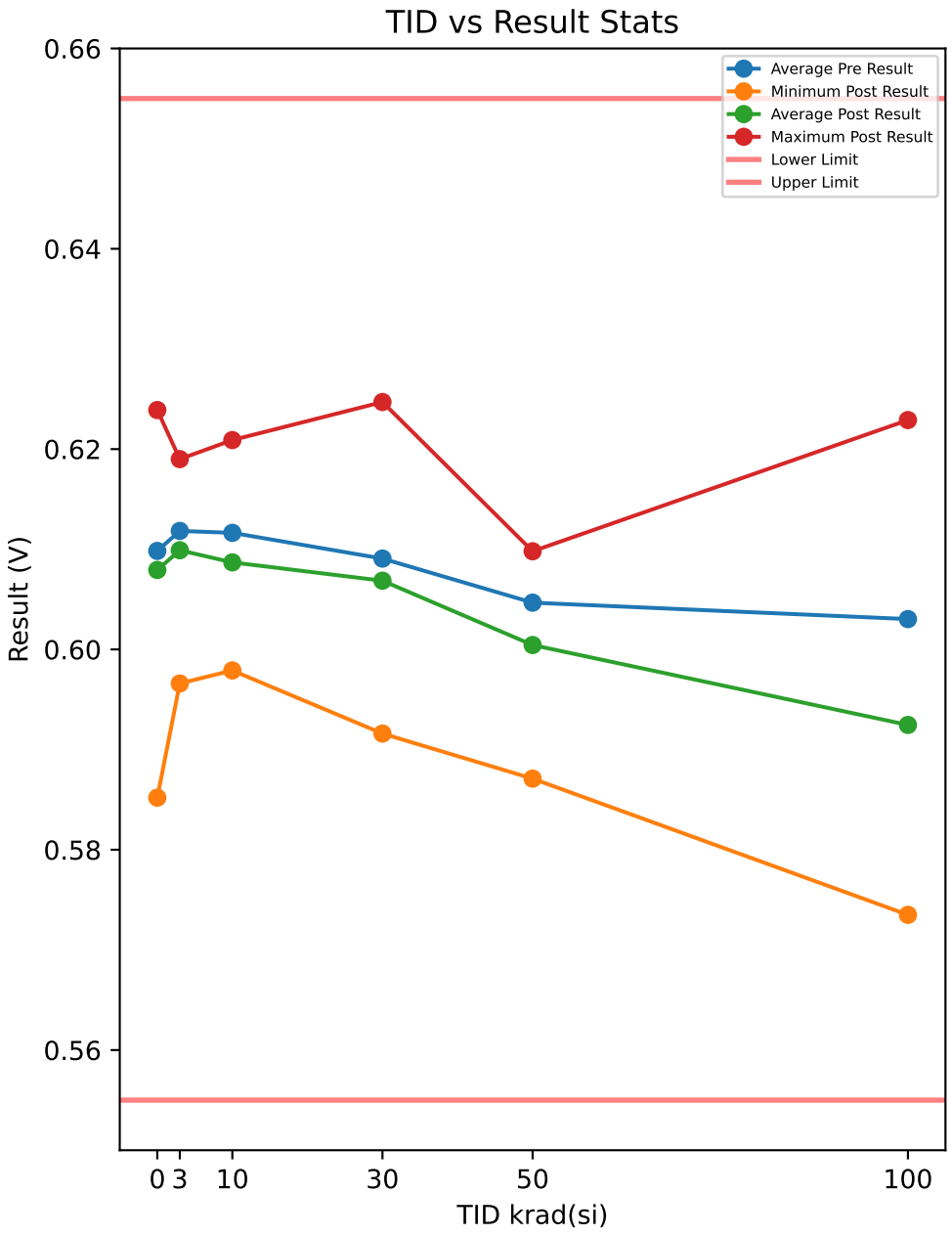
Test Results (Lower Limit = 0.455, Upper Limit = 0.554 (V))

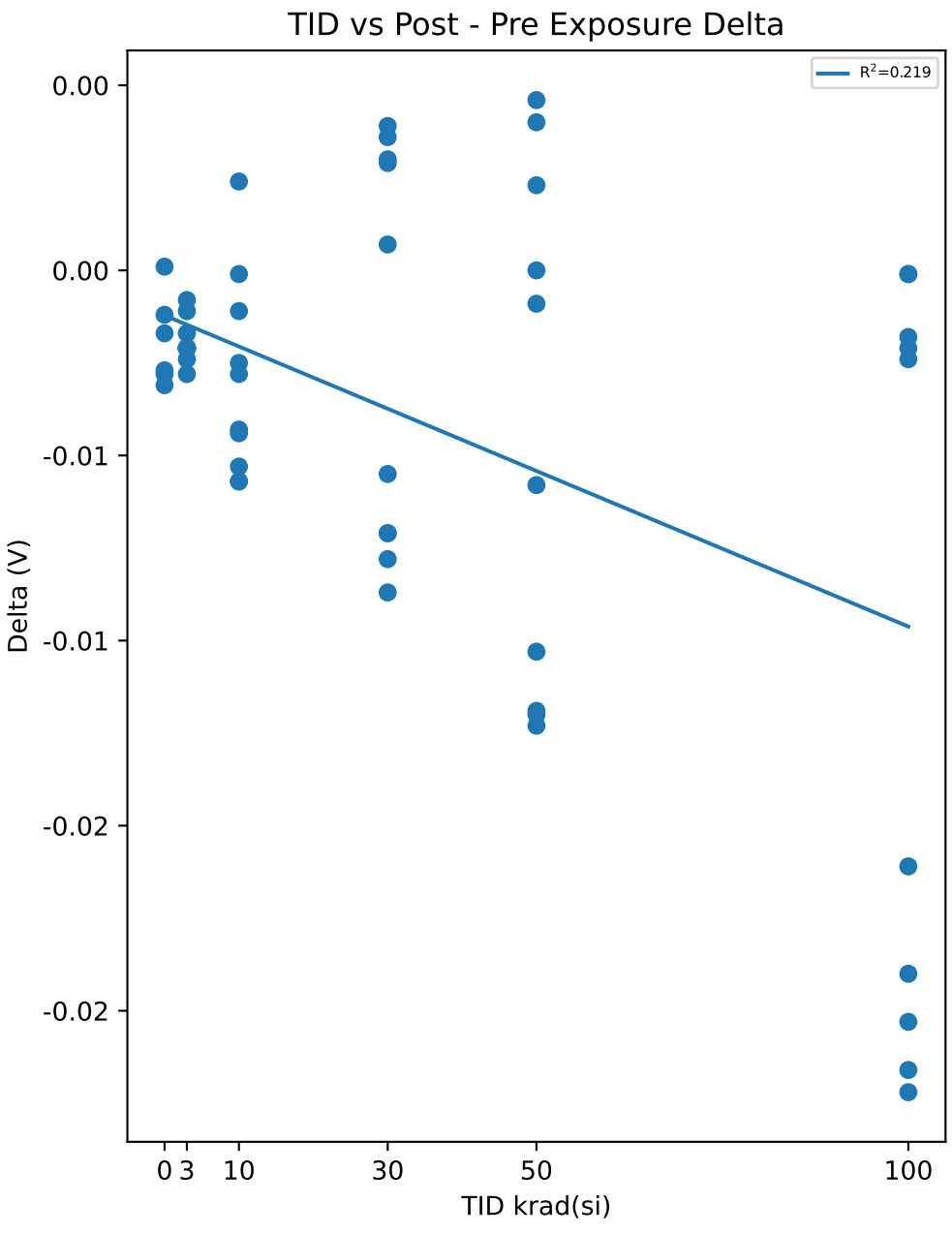
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	LDR Biased	0.5143	0.5128	-0.0015
2	3	LDR Biased	0.5055	0.5024	-0.0031
3	3	LDR Biased	0.5175	0.5199	0.0024
4	3	LDR Biased	0.523	0.5219	-0.0011
5	3	LDR Biased	0.5191	0.517	-0.0021
6	10	LDR Biased	0.5211	0.5186	-0.0025
7	10	LDR Biased	0.5207	0.5186	-0.0021
8	10	LDR Biased	0.5061	0.5044	-0.0017
9	10	LDR Biased	0.5068	0.504	-0.0028
10	10	LDR Biased	0.5065	0.5047	-0.0018
11	30	LDR Biased	0.5165	0.5045	-0.012
12	30	LDR Biased	0.5097	0.4987	-0.011
13	30	LDR Biased	0.5013	0.4906	-0.0107
14	30	LDR Biased	0.5172	0.5058	-0.0114
15	30	LDR Biased	0.5084	0.4971	-0.0113
16	50	LDR Biased	0.5029	0.4932	-0.0097
17	50	LDR Biased	0.5152	0.5023	-0.0129
18	50	LDR Biased	0.5022	0.489	-0.0132
19	50	LDR Biased	0.5068	0.4893	-0.0175
20	50	LDR Biased	0.5133	0.4984	-0.0149
21	100	LDR Biased	0.5061	0.492	-0.0141
22	100	LDR Biased	0.4974	0.479	-0.0184
23	100	LDR Biased	0.5032	0.4878	-0.0154
24	100	LDR Biased	0.5045	0.491	-0.0135
25	100	LDR Biased	0.5139	0.494	-0.0199
26	3	LDR Unbiased	0.5233	0.5242	0.0009
27	3	LDR Unbiased	0.5003	0.5018	0.0015
28	3	LDR Unbiased	0.5139	0.5154	0.0015
29	3	LDR Unbiased	0.5104	0.5125	0.0021
30	3	LDR Unbiased	0.5191	0.5186	-0.0005
31	10	LDR Unbiased	0.5117	0.5112	-0.0005
32	10	LDR Unbiased	0.5256	0.5268	0.0012
33	10	LDR Unbiased	0.5214	0.5225	0.0011
34	10	LDR Unbiased	0.5107	0.5118	0.0011
35	10	LDR Unbiased	0.5126	0.5121	-0.0005
36	30	LDR Unbiased	0.5169	0.5159	-0.001
37	30	LDR Unbiased	0.525	0.5221	-0.0029
38	30	LDR Unbiased	0.4951	0.4941	-0.001
39	30	LDR Unbiased	0.5068	0.5029	-0.0039
40	30	LDR Unbiased	0.5185	0.5165	-0.002
41	50	LDR Unbiased	0.5032	0.5042	0.001
42	50	LDR Unbiased	0.513	0.5111	-0.0019
43	50	LDR Unbiased	0.5074	0.5075	0.0001
44	50	LDR Unbiased	0.4993	0.5013	0.002
45	50	LDR Unbiased	0.5087	0.5042	-0.0045
46	100	LDR Unbiased	0.4961	0.494	-0.0021
47	100	LDR Unbiased	0.5022	0.5047	0.0025
48	100	LDR Unbiased	0.5013	0.5011	-0.0002
49	100	LDR Unbiased	0.5266	0.5268	0.0002
50	100	LDR Unbiased	0.5035	0.5018	-0.0017
60	0	Correlation	0.5194	0.5183	-0.0011
61	0	Correlation	0.5104	0.5089	-0.0015
62	0	Correlation	0.5211	0.5219	0.0008
63	0	Correlation	0.5097	0.5099	0.0002
64	0	Correlation	0.4931	0.4936	0.0005
65	0	Correlation	0.5259	0.5268	0.0009

Test Statistics (V)

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	0.4931	0.51327	0.5259	0.011715	0.4936	0.51323	0.5268	0.011834	-0.0015	-3.3333e-05	0.0009	0.0010191
3	0.5003	0.51464	0.5233	0.0074585	0.5018	0.51465	0.5242	0.0075737	-0.0031	1e-05	0.0024	0.0019209
10	0.5061	0.51432	0.5256	0.0072437	0.504	0.51347	0.5268	0.007962	-0.0028	-0.00085	0.0012	0.0015551
30	0.4951	0.51154	0.525	0.0089804	0.4906	0.50482	0.5221	0.010417	-0.012	-0.00672	-0.001	0.0048896
50	0.4993	0.5072	0.5152	0.0053666	0.489	0.50005	0.5111	0.007498	-0.0175	-0.00715	0.002	0.0073079
100	0.4961	0.50548	0.5266	0.0088752	0.479	0.49722	0.5268	0.012799	-0.0199	-0.00826	0.0025	0.0087187

Device Test: 15.6 _THRESHOLD|RISE/EN/5////@EN_VTH_RISING





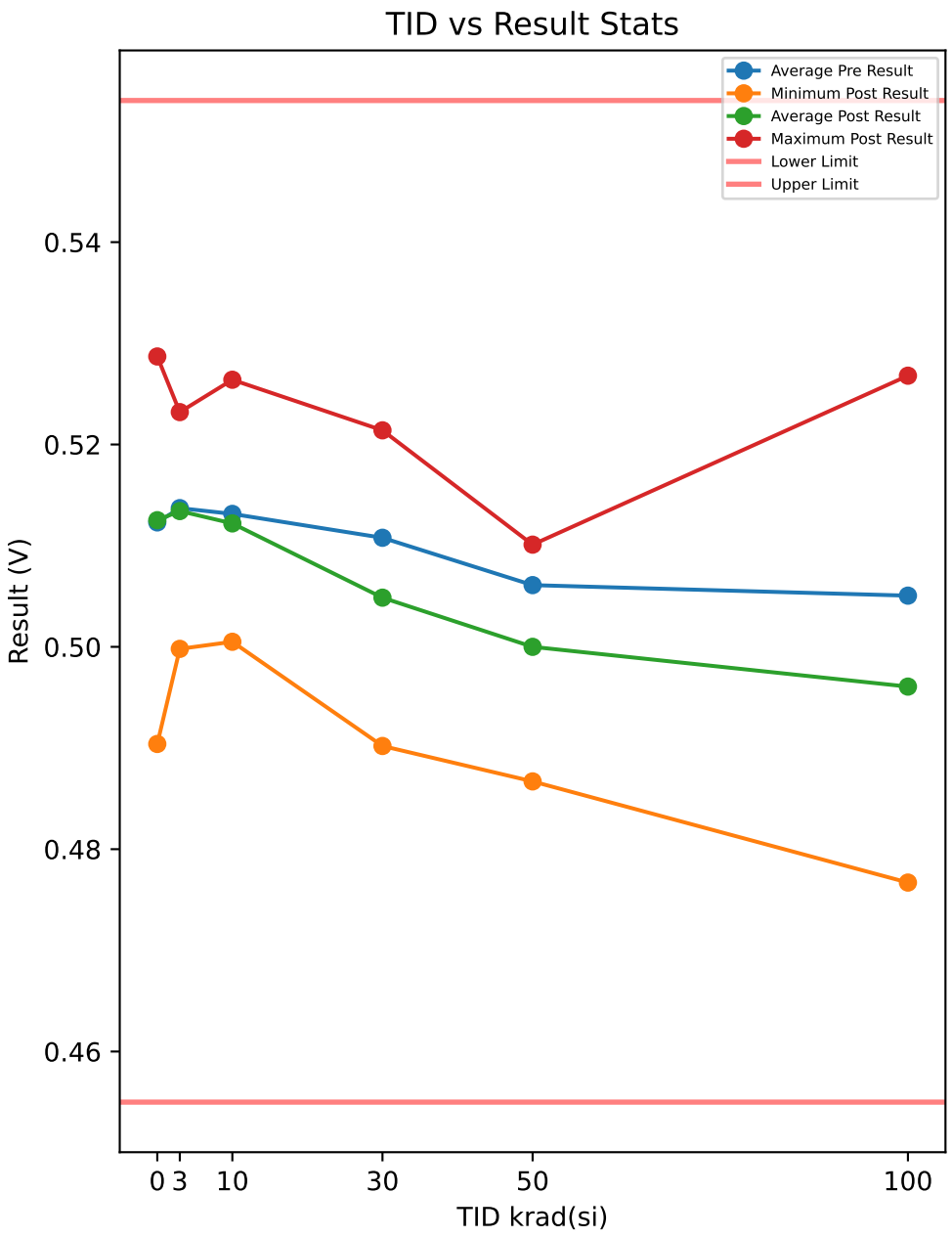
Test Results (Lower Limit = 0.555, Upper Limit = 0.655 (V))

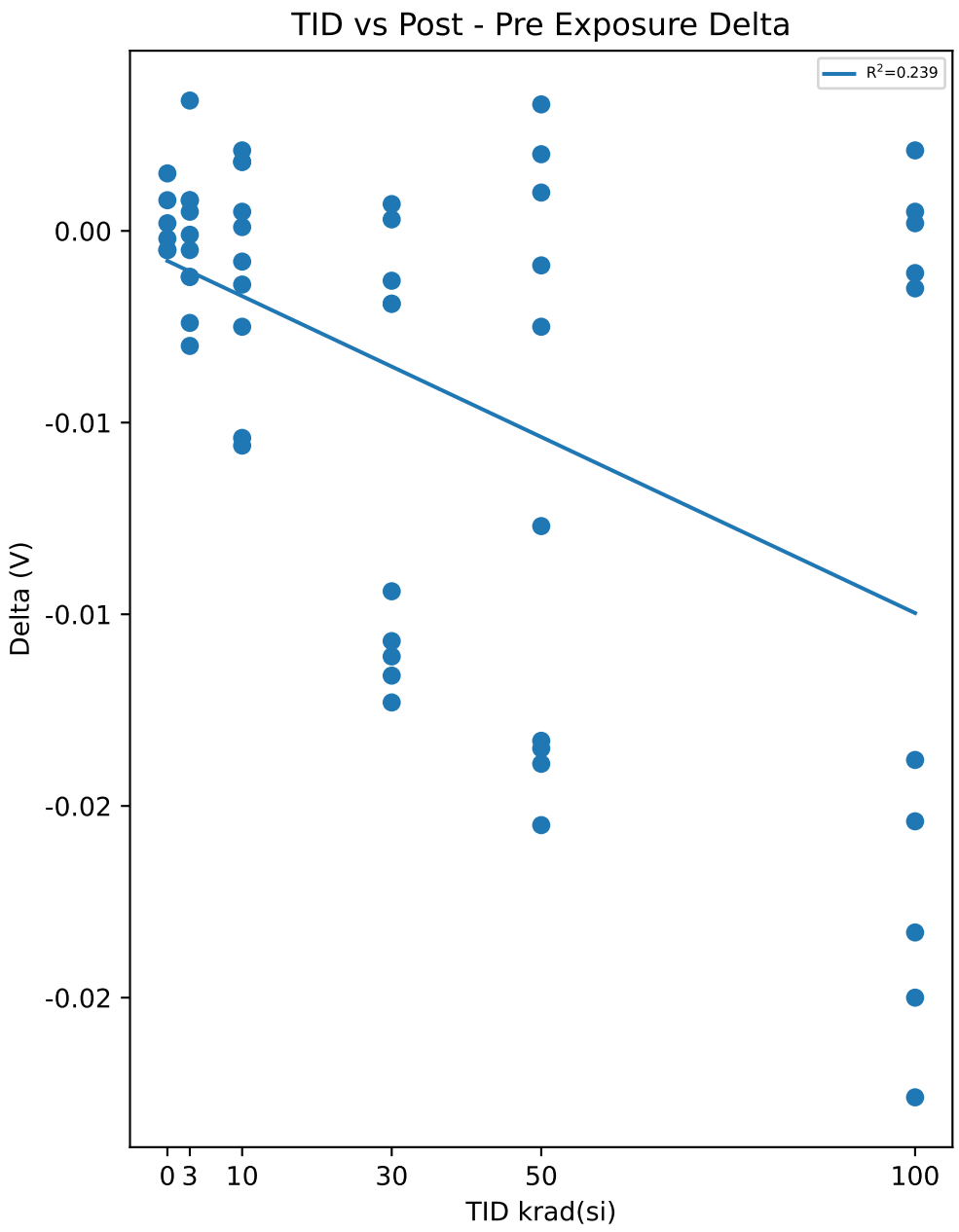
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	LDR Biased	0.6097	0.6076	-0.0021
2	3	LDR Biased	0.6016	0.5995	-0.0021
3	3	LDR Biased	0.6159	0.6135	-0.0024
4	3	LDR Biased	0.6211	0.6183	-0.0028
5	3	LDR Biased	0.6162	0.6141	-0.0021
6	10	LDR Biased	0.6188	0.6135	-0.0053
7	10	LDR Biased	0.6178	0.6135	-0.0043
8	10	LDR Biased	0.6039	0.5995	-0.0044
9	10	LDR Biased	0.6042	0.5985	-0.0057
10	10	LDR Biased	0.6036	0.5979	-0.0057
11	30	LDR Biased	0.6136	0.6081	-0.0055
12	30	LDR Biased	0.6084	0.5997	-0.0087
13	30	LDR Biased	0.5987	0.5916	-0.0071
14	30	LDR Biased	0.6159	0.6088	-0.0071
15	30	LDR Biased	0.6065	0.5987	-0.0078
16	50	LDR Biased	0.599	0.5932	-0.0058
17	50	LDR Biased	0.6143	0.6023	-0.012
18	50	LDR Biased	0.5974	0.5871	-0.0103
19	50	LDR Biased	0.6016	0.5897	-0.0119
20	50	LDR Biased	0.612	0.5997	-0.0123
21	100	LDR Biased	0.6036	0.5846	-0.019
22	100	LDR Biased	0.5951	0.5735	-0.0216
23	100	LDR Biased	0.6032	0.5829	-0.0203
24	100	LDR Biased	0.6016	0.5855	-0.0161
25	100	LDR Biased	0.6123	0.5901	-0.0222
26	3	LDR Unbiased	0.6211	0.619	-0.0021
27	3	LDR Unbiased	0.5974	0.5966	-0.0008
28	3	LDR Unbiased	0.6123	0.6112	-0.0011
29	3	LDR Unbiased	0.6074	0.6057	-0.0017
30	3	LDR Unbiased	0.6156	0.6135	-0.0021
31	10	LDR Unbiased	0.6087	0.6086	-0.0001
32	10	LDR Unbiased	0.6234	0.6209	-0.0025
33	10	LDR Unbiased	0.6188	0.6177	-0.0011
34	10	LDR Unbiased	0.6068	0.6092	0.0024
35	10	LDR Unbiased	0.6104	0.6076	-0.0028
36	30	LDR Unbiased	0.6146	0.6182	0.0036
37	30	LDR Unbiased	0.6217	0.6247	0.003
38	30	LDR Unbiased	0.5912	0.5951	0.0039
39	30	LDR Unbiased	0.6023	0.6052	0.0029
40	30	LDR Unbiased	0.6178	0.6185	0.0007
41	50	LDR Unbiased	0.6023	0.6046	0.0023
42	50	LDR Unbiased	0.6107	0.6098	-0.0009
43	50	LDR Unbiased	0.6055	0.6095	0.004
44	50	LDR Unbiased	0.5974	0.602	0.0046
45	50	LDR Unbiased	0.6065	0.6065	0
46	100	LDR Unbiased	0.5932	0.5914	-0.0018
47	100	LDR Unbiased	0.6003	0.5982	-0.0021
48	100	LDR Unbiased	0.5967	0.5966	-0.0001
49	100	LDR Unbiased	0.623	0.6229	-0.0001
50	100	LDR Unbiased	0.6013	0.5989	-0.0024
60	0	Correlation	0.6156	0.6128	-0.0028
61	0	Correlation	0.6052	0.604	-0.0012
62	0	Correlation	0.6191	0.6164	-0.0027
63	0	Correlation	0.6052	0.6053	0.0001
64	0	Correlation	0.5883	0.5852	-0.0031
65	0	Correlation	0.6256	0.6239	-0.0017

Test Statistics (V)

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	0.5883	0.60983	0.6256	0.013224	0.5852	0.60793	0.6239	0.013338	-0.0031	-0.0019	0.0001	0.0012182
3	0.5974	0.61183	0.6211	0.0078811	0.5966	0.6099	0.619	0.0075026	-0.0028	-0.00193	-0.0008	0.00059076
10	0.6036	0.61164	0.6234	0.0073958	0.5979	0.60869	0.6209	0.0080465	-0.0057	-0.00295	0.0024	0.0026867
30	0.5912	0.60907	0.6217	0.0095058	0.5916	0.60686	0.6247	0.010952	-0.0087	-0.00221	0.0039	0.0054245
50	0.5974	0.60467	0.6143	0.0061442	0.5871	0.60044	0.6098	0.0079992	-0.0123	-0.00423	0.0046	0.0069997
100	0.5932	0.60303	0.623	0.0088013	0.5735	0.59246	0.6229	0.013275	-0.0222	-0.01057	-0.0001	0.0099324

Device Test: 15.7 _THRESHOLD|FALL/EN/5////@EN_VTH_FALLING





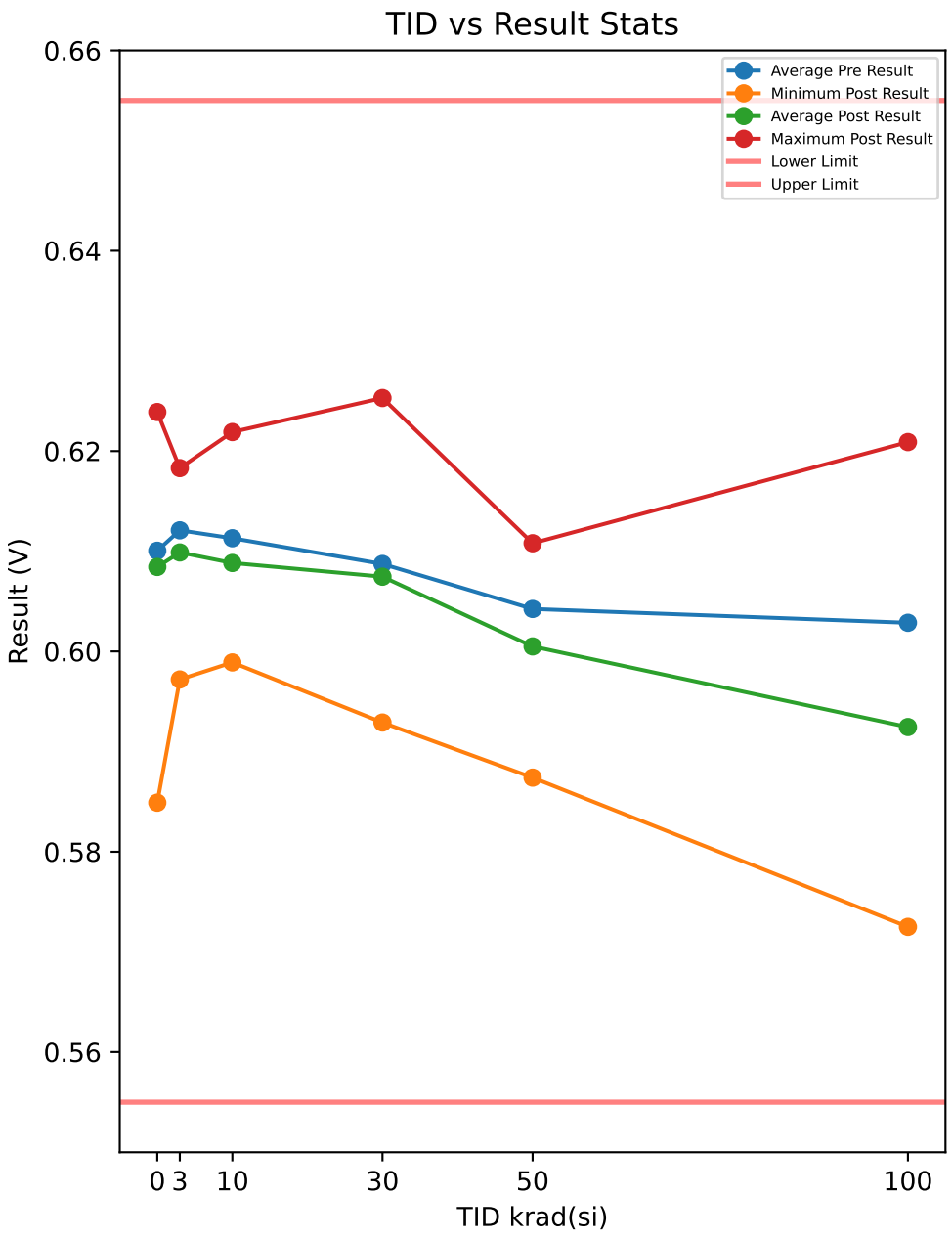
Test Results (Lower Limit = 0.455, Upper Limit = 0.554 (V))

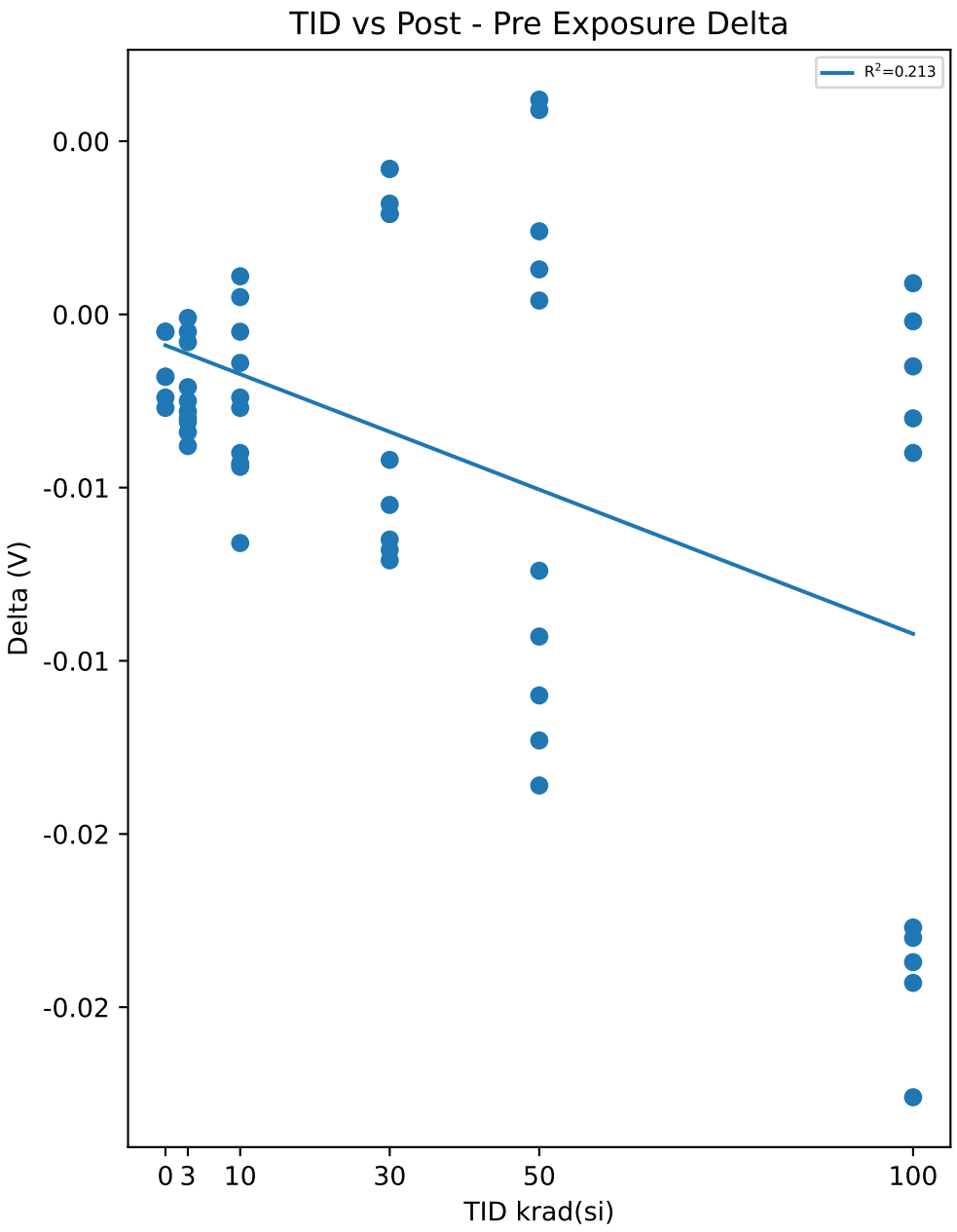
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	LDR Biased	0.5117	0.5105	-0.0012
2	3	LDR Biased	0.5032	0.5008	-0.0024
3	3	LDR Biased	0.5169	0.5203	0.0034
4	3	LDR Biased	0.5224	0.5232	0.0008
5	3	LDR Biased	0.5194	0.5164	-0.003
6	10	LDR Biased	0.5214	0.516	-0.0054
7	10	LDR Biased	0.5198	0.5173	-0.0025
8	10	LDR Biased	0.5042	0.5034	-0.0008
9	10	LDR Biased	0.5061	0.5005	-0.0056
10	10	LDR Biased	0.5035	0.5021	-0.0014
11	30	LDR Biased	0.5162	0.5055	-0.0107
12	30	LDR Biased	0.5097	0.4974	-0.0123
13	30	LDR Biased	0.5013	0.4902	-0.0111
14	30	LDR Biased	0.5159	0.5065	-0.0094
15	30	LDR Biased	0.5087	0.4971	-0.0116
16	50	LDR Biased	0.5006	0.4929	-0.0077
17	50	LDR Biased	0.5162	0.5023	-0.0139
18	50	LDR Biased	0.5	0.4867	-0.0133
19	50	LDR Biased	0.5042	0.4887	-0.0155
20	50	LDR Biased	0.5139	0.5004	-0.0135
21	100	LDR Biased	0.5042	0.4888	-0.0154
22	100	LDR Biased	0.4967	0.4767	-0.02
23	100	LDR Biased	0.5045	0.4862	-0.0183
24	100	LDR Biased	0.5032	0.4894	-0.0138
25	100	LDR Biased	0.5162	0.4936	-0.0226
26	3	LDR Unbiased	0.5237	0.5232	-0.0005
27	3	LDR Unbiased	0.499	0.4998	0.0008
28	3	LDR Unbiased	0.5143	0.5131	-0.0012
29	3	LDR Unbiased	0.51	0.5099	-0.0001
30	3	LDR Unbiased	0.5165	0.517	0.0005
31	10	LDR Unbiased	0.51	0.5121	0.0021
32	10	LDR Unbiased	0.5246	0.5264	0.0018
33	10	LDR Unbiased	0.5204	0.5209	0.0005
34	10	LDR Unbiased	0.5097	0.5115	0.0018
35	10	LDR Unbiased	0.5117	0.5118	0.0001
36	30	LDR Unbiased	0.5169	0.5172	0.0003
37	30	LDR Unbiased	0.5233	0.5214	-0.0019
38	30	LDR Unbiased	0.4931	0.4938	0.0007
39	30	LDR Unbiased	0.5039	0.5026	-0.0013
40	30	LDR Unbiased	0.5188	0.5169	-0.0019
41	50	LDR Unbiased	0.5032	0.5042	0.001
42	50	LDR Unbiased	0.511	0.5101	-0.0009
43	50	LDR Unbiased	0.5058	0.5091	0.0033
44	50	LDR Unbiased	0.4987	0.5007	0.002
45	50	LDR Unbiased	0.5074	0.5049	-0.0025
46	100	LDR Unbiased	0.4948	0.4933	-0.0015
47	100	LDR Unbiased	0.5022	0.5027	0.0005
48	100	LDR Unbiased	0.4993	0.5014	0.0021
49	100	LDR Unbiased	0.5266	0.5268	0.0002
50	100	LDR Unbiased	0.5029	0.5018	-0.0011
60	0	Correlation	0.5188	0.5183	-0.0005
61	0	Correlation	0.5078	0.5076	-0.0002
62	0	Correlation	0.5201	0.5209	0.0008
63	0	Correlation	0.5097	0.5092	-0.0005
64	0	Correlation	0.4902	0.4904	0.0002
65	0	Correlation	0.5272	0.5287	0.0015

Test Statistics (V)

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	0.4902	0.5123	0.5272	0.012965	0.4904	0.51252	0.5287	0.013341	-0.0005	0.00021667	0.0015	0.00079854
3	0.499	0.51371	0.5237	0.0079628	0.4998	0.51342	0.5232	0.0083408	-0.003	-0.00029	0.0034	0.0018303
10	0.5035	0.51314	0.5246	0.0077661	0.5005	0.5122	0.5264	0.0083983	-0.0056	-0.00094	0.0021	0.0028222
30	0.4931	0.51078	0.5233	0.009246	0.4902	0.50486	0.5214	0.010709	-0.0123	-0.00592	0.0007	0.0054867
50	0.4987	0.5061	0.5162	0.0059896	0.4867	0.5	0.5101	0.0080788	-0.0155	-0.0061	0.0033	0.007474
100	0.4948	0.50506	0.5266	0.0095088	0.4767	0.49607	0.5268	0.013471	-0.0226	-0.00899	0.0021	0.00985

Device Test: 15.9 _THRESHOLD|RISE/EN/12////@EN_VTH_RISING





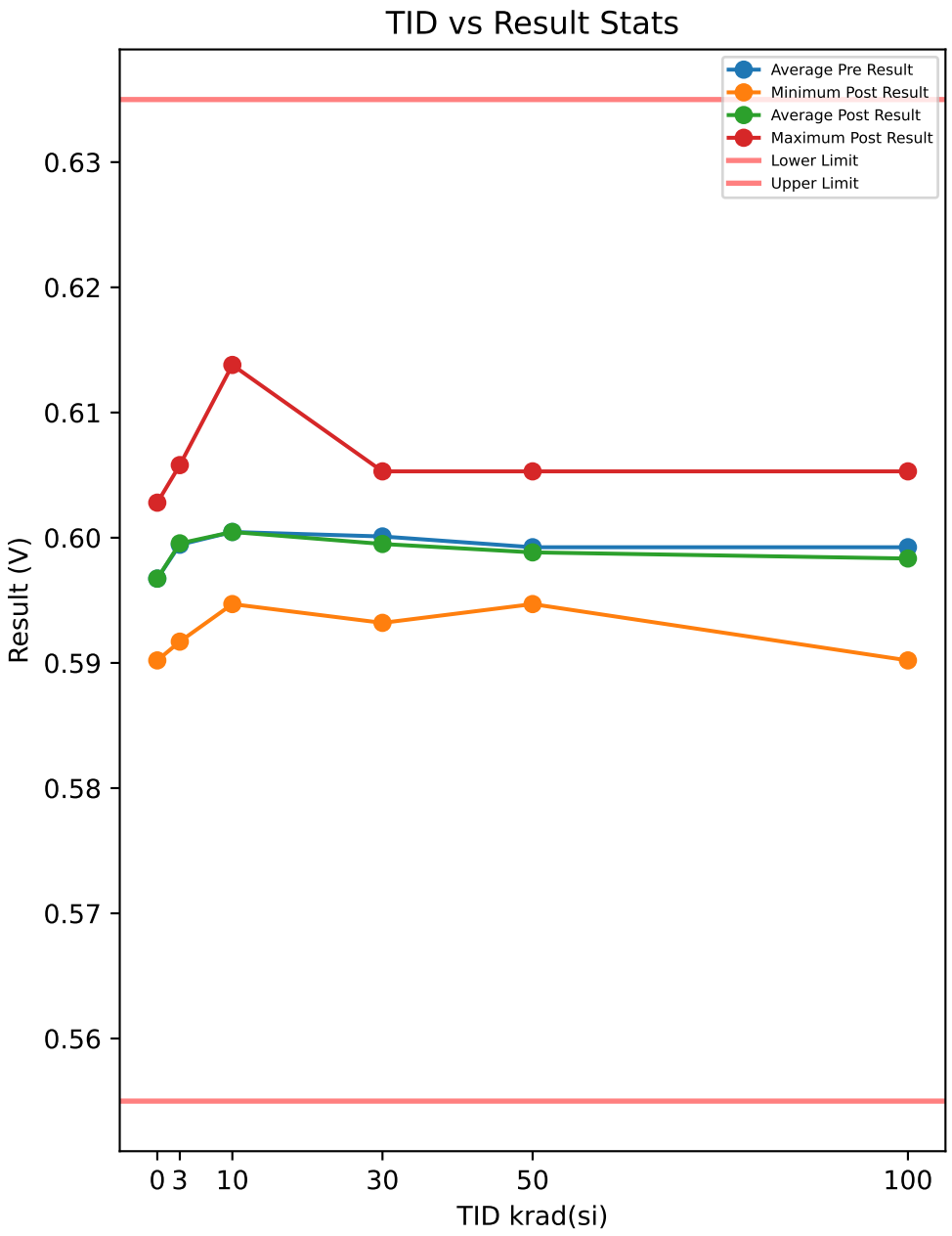
Test Results (Lower Limit = 0.555, Upper Limit = 0.655 (V))

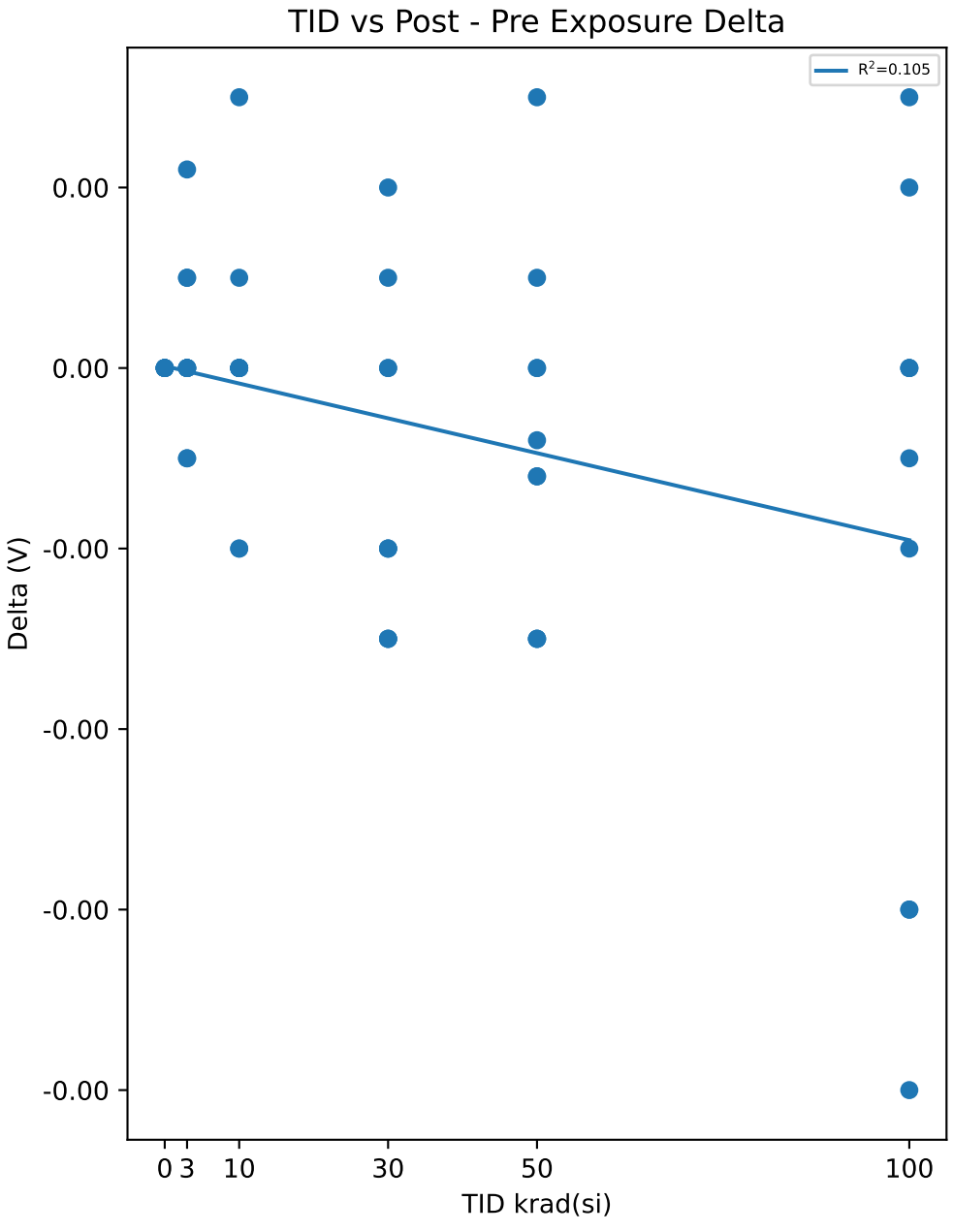
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	LDR Biased	0.611	0.6076	-0.0034
2	3	LDR Biased	0.601	0.5985	-0.0025
3	3	LDR Biased	0.6165	0.6135	-0.003
4	3	LDR Biased	0.6221	0.6183	-0.0038
5	3	LDR Biased	0.6162	0.6141	-0.0021
6	10	LDR Biased	0.6188	0.6122	-0.0066
7	10	LDR Biased	0.6172	0.6128	-0.0044
8	10	LDR Biased	0.6029	0.5989	-0.004
9	10	LDR Biased	0.6032	0.5989	-0.0043
10	10	LDR Biased	0.6019	0.5995	-0.0024
11	30	LDR Biased	0.6136	0.6081	-0.0055
12	30	LDR Biased	0.6068	0.6	-0.0068
13	30	LDR Biased	0.5971	0.5929	-0.0042
14	30	LDR Biased	0.6159	0.6094	-0.0065
15	30	LDR Biased	0.6061	0.599	-0.0071
16	50	LDR Biased	0.6003	0.5929	-0.0074
17	50	LDR Biased	0.6146	0.6036	-0.011
18	50	LDR Biased	0.5967	0.5874	-0.0093
19	50	LDR Biased	0.6029	0.5893	-0.0136
20	50	LDR Biased	0.6117	0.5994	-0.0123
21	100	LDR Biased	0.6036	0.5849	-0.0187
22	100	LDR Biased	0.5951	0.5725	-0.0226
23	100	LDR Biased	0.6019	0.5839	-0.018
24	100	LDR Biased	0.6032	0.5855	-0.0177
25	100	LDR Biased	0.611	0.5917	-0.0193
26	3	LDR Unbiased	0.6211	0.618	-0.0031
27	3	LDR Unbiased	0.598	0.5972	-0.0008
28	3	LDR Unbiased	0.6117	0.6089	-0.0028
29	3	LDR Unbiased	0.6084	0.6079	-0.0005
30	3	LDR Unbiased	0.6149	0.6148	-0.0001
31	10	LDR Unbiased	0.6087	0.606	-0.0027
32	10	LDR Unbiased	0.6224	0.6219	-0.0005
33	10	LDR Unbiased	0.6201	0.6187	-0.0014
34	10	LDR Unbiased	0.6081	0.6092	0.0011
35	10	LDR Unbiased	0.6097	0.6102	0.0005
36	30	LDR Unbiased	0.6143	0.6185	0.0042
37	30	LDR Unbiased	0.6224	0.6253	0.0029
38	30	LDR Unbiased	0.5919	0.5961	0.0042
39	30	LDR Unbiased	0.6023	0.6055	0.0032
40	30	LDR Unbiased	0.6169	0.6198	0.0029
41	50	LDR Unbiased	0.6023	0.6036	0.0013
42	50	LDR Unbiased	0.6084	0.6108	0.0024
43	50	LDR Unbiased	0.6049	0.6108	0.0059
44	50	LDR Unbiased	0.5961	0.6023	0.0062
45	50	LDR Unbiased	0.6045	0.6049	0.0004
46	100	LDR Unbiased	0.5941	0.5911	-0.003
47	100	LDR Unbiased	0.5987	0.5985	-0.0002
48	100	LDR Unbiased	0.598	0.5989	0.0009
49	100	LDR Unbiased	0.6224	0.6209	-0.0015
50	100	LDR Unbiased	0.6006	0.5966	-0.004
60	0	Correlation	0.6149	0.6131	-0.0018
61	0	Correlation	0.6065	0.6047	-0.0018
62	0	Correlation	0.6185	0.618	-0.0005
63	0	Correlation	0.6065	0.606	-0.0005
64	0	Correlation	0.5876	0.5849	-0.0027
65	0	Correlation	0.6263	0.6239	-0.0024

Test Statistics (V)

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	0.5876	0.61005	0.6263	0.013328	0.5849	0.60843	0.6239	0.01361	-0.0027	-0.0016167	-0.0005	0.00093256
3	0.598	0.61209	0.6221	0.0079028	0.5972	0.60988	0.6183	0.0073961	-0.0038	-0.00221	-0.0001	0.0012982
10	0.6019	0.6113	0.6224	0.0077158	0.5989	0.60883	0.6219	0.0080942	-0.0066	-0.00247	0.0011	0.0024295
30	0.5919	0.60873	0.6224	0.0096047	0.5929	0.60746	0.6253	0.010897	-0.0071	-0.00127	0.0042	0.0050881
50	0.5961	0.60424	0.6146	0.0060091	0.5874	0.6005	0.6108	0.0082329	-0.0136	-0.00374	0.0062	0.0077423
100	0.5941	0.60286	0.6224	0.0083841	0.5725	0.59245	0.6209	0.012839	-0.0226	-0.01041	0.0009	0.009514

Device Test: 16.1 _THRESHOLD|RISE/FAULT/4.5////@FAULT_VTH_RISING





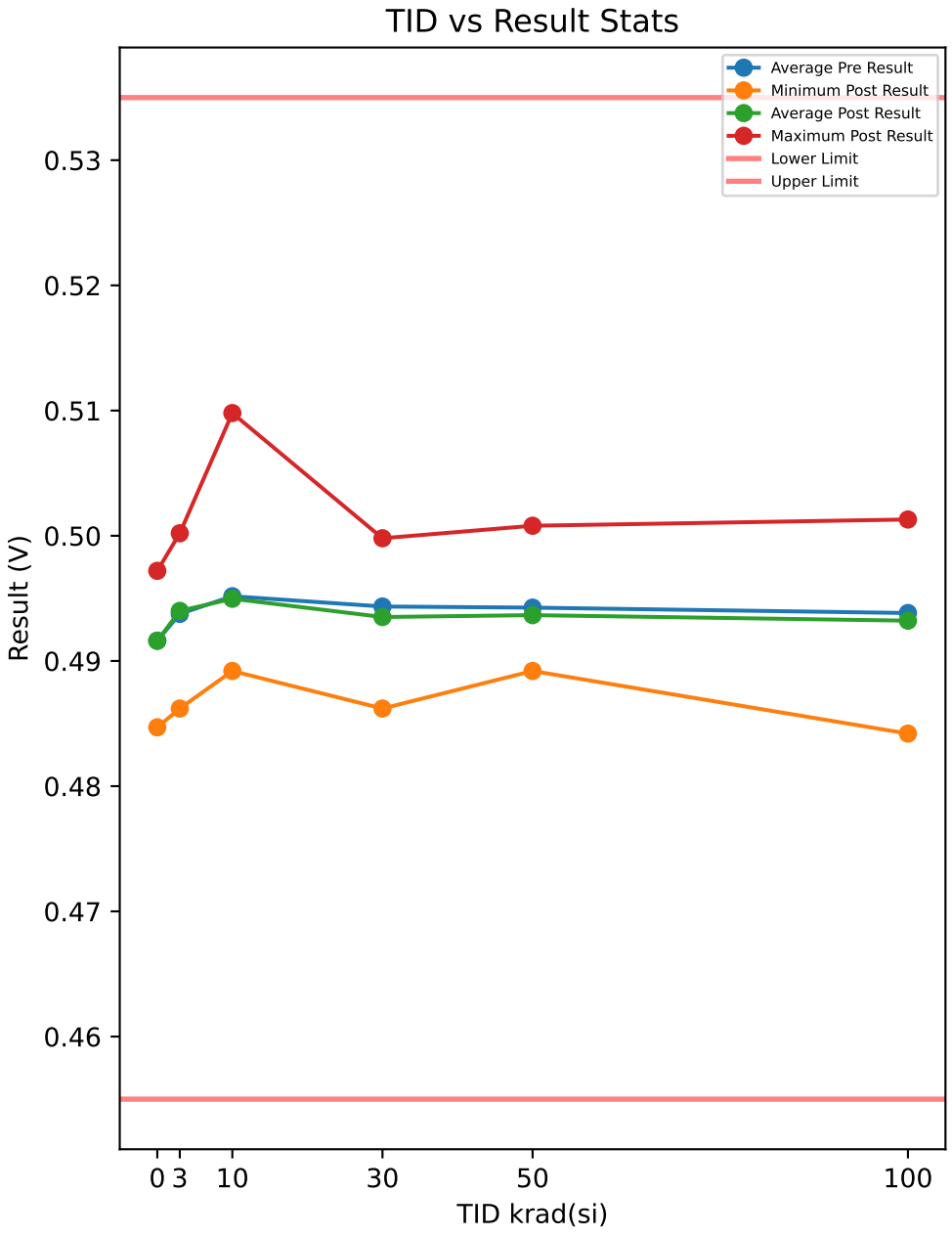
Test Results (Lower Limit = 0.555, Upper Limit = 0.635 (V))

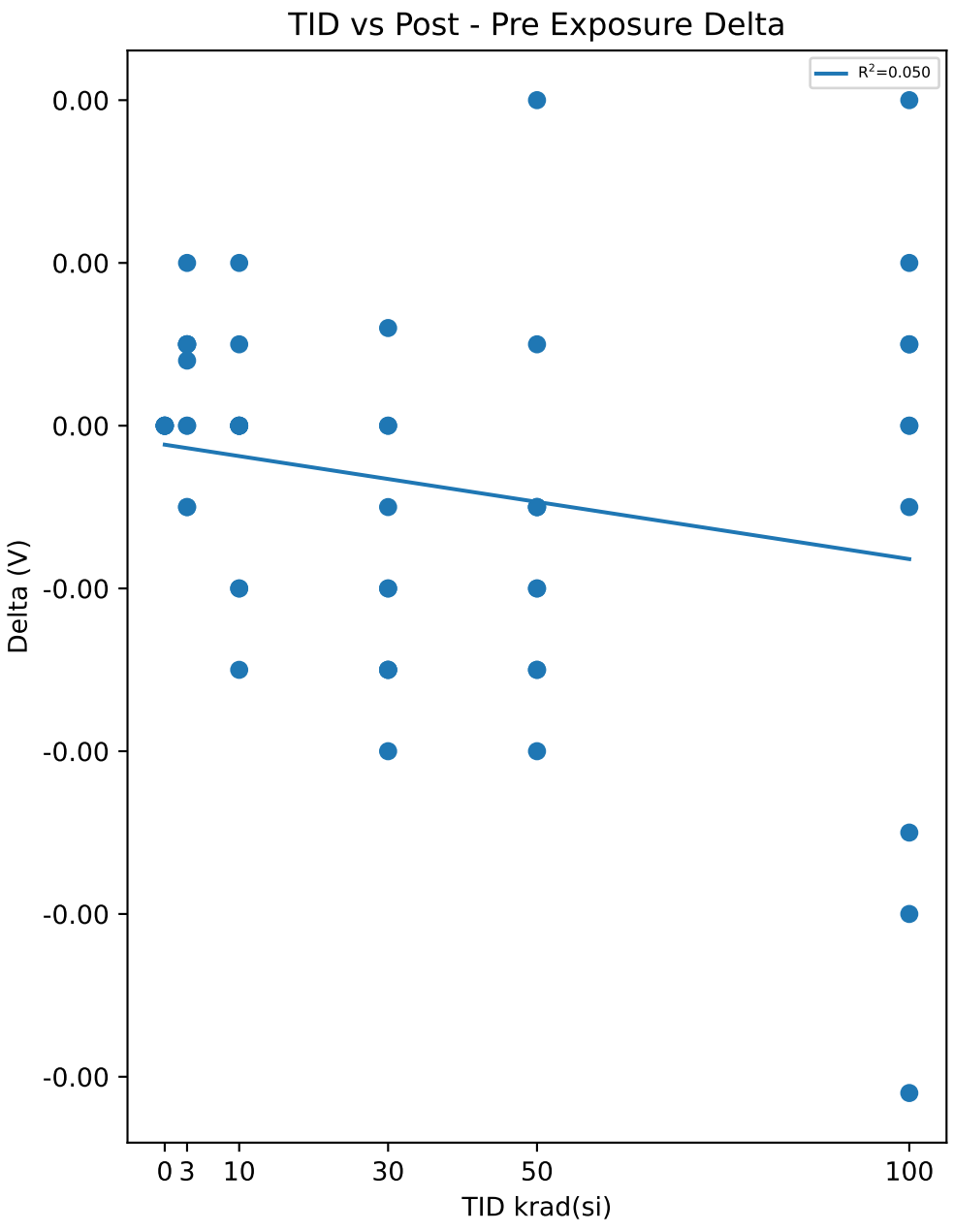
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	LDR Biased	0.6043	0.6043	0
2	3	LDR Biased	0.5967	0.5972	0.0005
3	3	LDR Biased	0.5982	0.5977	-0.0005
4	3	LDR Biased	0.6023	0.6023	0
5	3	LDR Biased	0.6053	0.6058	0.0005
6	10	LDR Biased	0.6048	0.6048	0
7	10	LDR Biased	0.6038	0.6028	-0.001
8	10	LDR Biased	0.5947	0.5952	0.0005
9	10	LDR Biased	0.6008	0.6008	0
10	10	LDR Biased	0.5942	0.5957	0.0015
11	30	LDR Biased	0.6028	0.6018	-0.001
12	30	LDR Biased	0.5947	0.5932	-0.0015
13	30	LDR Biased	0.6043	0.6053	0.001
14	30	LDR Biased	0.5987	0.5977	-0.001
15	30	LDR Biased	0.6008	0.6013	0.0005
16	50	LDR Biased	0.6002	0.5998	-0.0004
17	50	LDR Biased	0.5937	0.5952	0.0015
18	50	LDR Biased	0.5982	0.5987	0.0005
19	50	LDR Biased	0.5992	0.5992	0
20	50	LDR Biased	0.5947	0.5947	0
21	100	LDR Biased	0.5998	0.6008	0.001
22	100	LDR Biased	0.5932	0.5902	-0.003
23	100	LDR Biased	0.5972	0.5972	0
24	100	LDR Biased	0.5982	0.5972	-0.001
25	100	LDR Biased	0.6058	0.6018	-0.004
26	3	LDR Unbiased	0.6033	0.6033	0
27	3	LDR Unbiased	0.6002	0.6013	0.0011
28	3	LDR Unbiased	0.5942	0.5942	0
29	3	LDR Unbiased	0.5982	0.5977	-0.0005
30	3	LDR Unbiased	0.5917	0.5917	0
31	10	LDR Unbiased	0.6013	0.6013	0
32	10	LDR Unbiased	0.6138	0.6138	0
33	10	LDR Unbiased	0.5957	0.5957	0
34	10	LDR Unbiased	0.5998	0.5998	0
35	10	LDR Unbiased	0.5957	0.5947	-0.001
36	30	LDR Unbiased	0.5957	0.5957	0
37	30	LDR Unbiased	0.6048	0.6048	0
38	30	LDR Unbiased	0.5967	0.5957	-0.001
39	30	LDR Unbiased	0.5987	0.5972	-0.0015
40	30	LDR Unbiased	0.6038	0.6023	-0.0015
41	50	LDR Unbiased	0.5967	0.5952	-0.0015
42	50	LDR Unbiased	0.6008	0.6002	-0.0006
43	50	LDR Unbiased	0.6013	0.5998	-0.0015
44	50	LDR Unbiased	0.6008	0.6002	-0.0006
45	50	LDR Unbiased	0.6068	0.6053	-0.0015
46	100	LDR Unbiased	0.5937	0.5937	0
47	100	LDR Unbiased	0.6083	0.6053	-0.003
48	100	LDR Unbiased	0.5942	0.5942	0
49	100	LDR Unbiased	0.6043	0.6038	-0.0005
50	100	LDR Unbiased	0.5977	0.5992	0.0015
60	0	Correlation	0.5942	0.5942	0
61	0	Correlation	0.5957	0.5957	0
62	0	Correlation	0.6028	0.6028	0
63	0	Correlation	0.6008	0.6008	0
64	0	Correlation	0.5902	0.5902	0
65	0	Correlation	0.5967	0.5967	0

Test Statistics (V)

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	0.5902	0.59673	0.6028	0.00455	0.5902	0.59673	0.6028	0.00455	0	0	0	0
3	0.5917	0.59944	0.6053	0.0044667	0.5917	0.59955	0.6058	0.0045817	-0.0005	0.00011	0.0011	0.00048178
10	0.5942	0.60046	0.6138	0.0060266	0.5947	0.60046	0.6138	0.0058659	-0.001	0	0.0015	0.00070711
30	0.5947	0.6001	0.6048	0.0037298	0.5932	0.5995	0.6053	0.0041526	-0.0015	-0.0006	0.001	0.00090676
50	0.5937	0.59924	0.6068	0.003742	0.5947	0.59883	0.6053	0.0031809	-0.0015	-0.00041	0.0015	0.00096891
100	0.5932	0.59924	0.6083	0.0052833	0.5902	0.59834	0.6053	0.0047673	-0.004	-0.0009	0.0015	0.0018379

Device Test: 16.10 _THRESHOLD|FALL/FAULT/12////@FAULT_VTH_FALLING





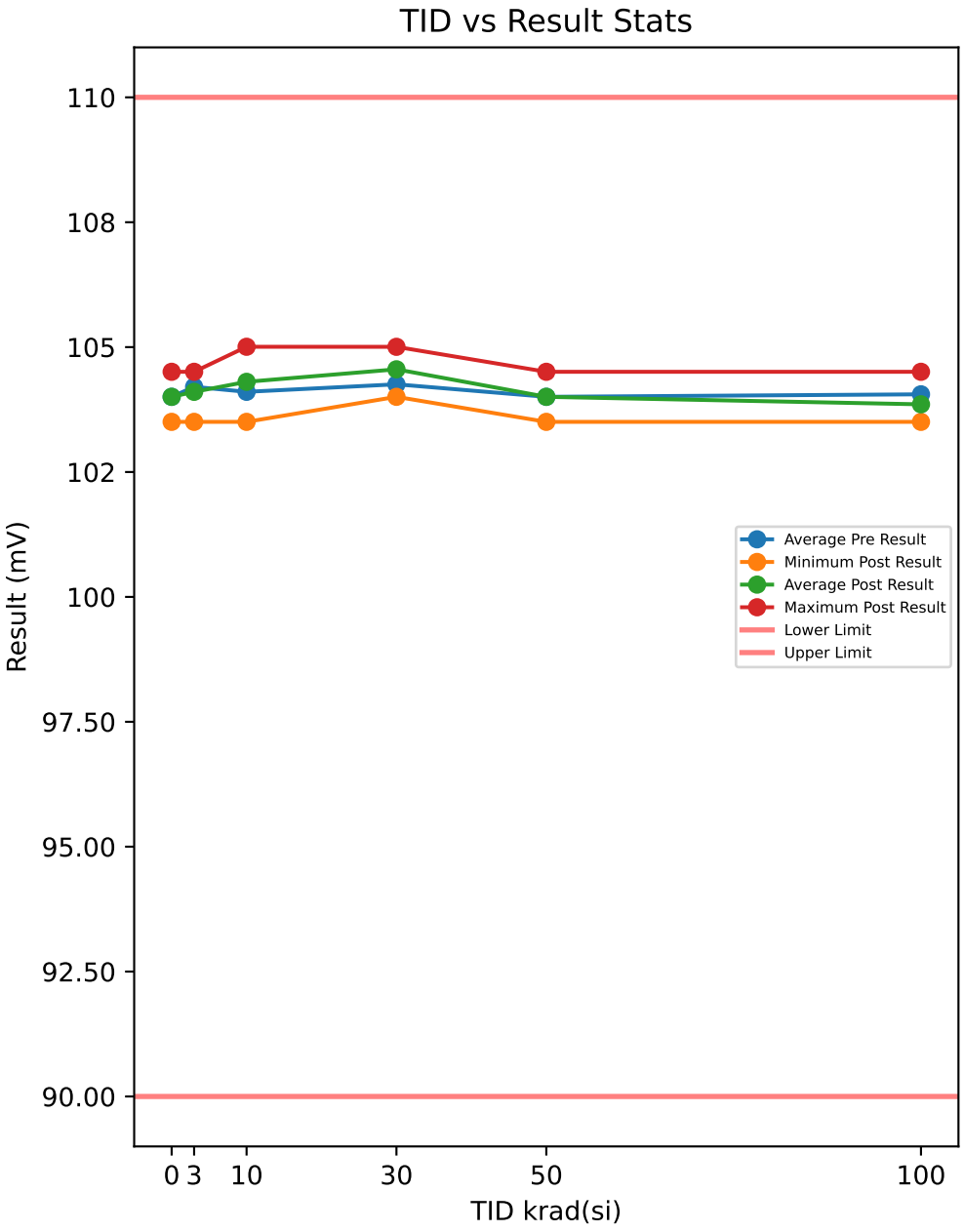
Test Results (Lower Limit = 0.455, Upper Limit = 0.535 (V))

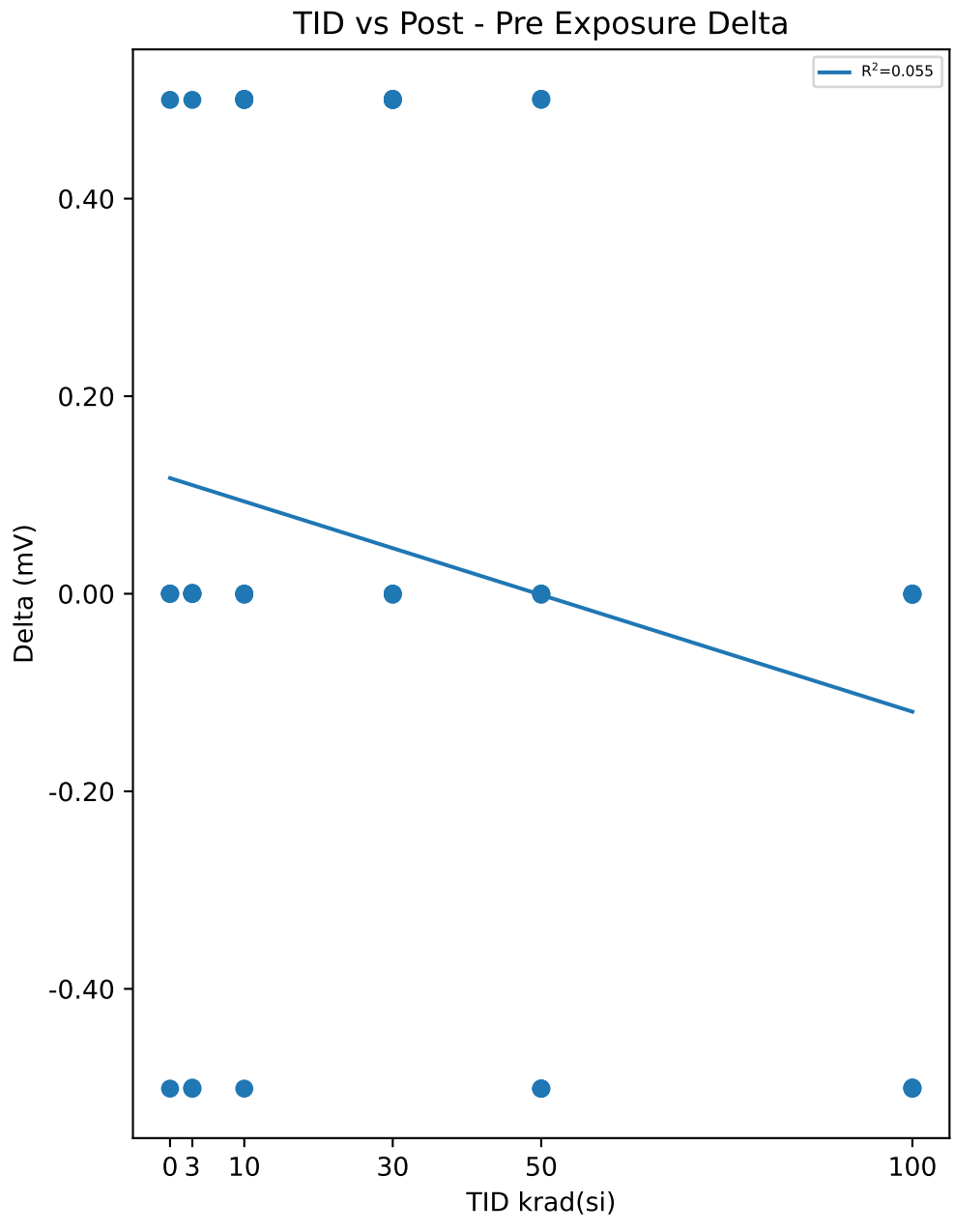
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	LDR Biased	0.4987	0.4992	0.0005
2	3	LDR Biased	0.4922	0.4927	0.0005
3	3	LDR Biased	0.4912	0.4912	0
4	3	LDR Biased	0.4957	0.4957	0
5	3	LDR Biased	0.4998	0.5002	0.0004
6	10	LDR Biased	0.4998	0.4998	0
7	10	LDR Biased	0.4992	0.4982	-0.001
8	10	LDR Biased	0.4897	0.4897	0
9	10	LDR Biased	0.4947	0.4947	0
10	10	LDR Biased	0.4882	0.4892	0.001
11	30	LDR Biased	0.4977	0.4962	-0.0015
12	30	LDR Biased	0.4882	0.4862	-0.002
13	30	LDR Biased	0.4992	0.4998	0.0006
14	30	LDR Biased	0.4922	0.4912	-0.001
15	30	LDR Biased	0.4957	0.4957	0
16	50	LDR Biased	0.4952	0.4947	-0.0005
17	50	LDR Biased	0.4872	0.4892	0.002
18	50	LDR Biased	0.4937	0.4942	0.0005
19	50	LDR Biased	0.4942	0.4937	-0.0005
20	50	LDR Biased	0.4902	0.4897	-0.0005
21	100	LDR Biased	0.4942	0.4952	0.001
22	100	LDR Biased	0.4867	0.4842	-0.0025
23	100	LDR Biased	0.4922	0.4927	0.0005
24	100	LDR Biased	0.4922	0.4917	-0.0005
25	100	LDR Biased	0.5008	0.4967	-0.0041
26	3	LDR Unbiased	0.4987	0.4982	-0.0005
27	3	LDR Unbiased	0.4942	0.4952	0.001
28	3	LDR Unbiased	0.4877	0.4882	0.0005
29	3	LDR Unbiased	0.4937	0.4932	-0.0005
30	3	LDR Unbiased	0.4857	0.4862	0.0005
31	10	LDR Unbiased	0.4962	0.4947	-0.0015
32	10	LDR Unbiased	0.5098	0.5098	0
33	10	LDR Unbiased	0.4892	0.4892	0
34	10	LDR Unbiased	0.4937	0.4942	0.0005
35	10	LDR Unbiased	0.4912	0.4902	-0.001
36	30	LDR Unbiased	0.4907	0.4902	-0.0005
37	30	LDR Unbiased	0.4982	0.4982	0
38	30	LDR Unbiased	0.4912	0.4902	-0.001
39	30	LDR Unbiased	0.4927	0.4912	-0.0015
40	30	LDR Unbiased	0.4977	0.4962	-0.0015
41	50	LDR Unbiased	0.4917	0.4902	-0.0015
42	50	LDR Unbiased	0.4957	0.4942	-0.0015
43	50	LDR Unbiased	0.4967	0.4947	-0.002
44	50	LDR Unbiased	0.4962	0.4952	-0.001
45	50	LDR Unbiased	0.5018	0.5008	-0.001
46	100	LDR Unbiased	0.4872	0.4872	0
47	100	LDR Unbiased	0.5043	0.5013	-0.003
48	100	LDR Unbiased	0.4882	0.4887	0.0005
49	100	LDR Unbiased	0.4998	0.4998	0
50	100	LDR Unbiased	0.4927	0.4947	0.002
60	0	Correlation	0.4902	0.4902	0
61	0	Correlation	0.4902	0.4902	0
62	0	Correlation	0.4972	0.4972	0
63	0	Correlation	0.4957	0.4957	0
64	0	Correlation	0.4847	0.4847	0
65	0	Correlation	0.4917	0.4917	0

Test Statistics (V)

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	0.4847	0.49162	0.4972	0.0044656	0.4847	0.49162	0.4972	0.0044656	0	0	0	0
3	0.4857	0.49376	0.4998	0.0047131	0.4862	0.494	0.5002	0.00462	-0.0005	0.00024	0.001	0.0004812
10	0.4882	0.49517	0.5098	0.006541	0.4892	0.49497	0.5098	0.0064251	-0.0015	-0.0002	0.001	0.00075277
30	0.4882	0.49435	0.4992	0.0038155	0.4862	0.49351	0.4998	0.0043057	-0.002	-0.00084	0.0006	0.00083693
50	0.4872	0.49426	0.5018	0.0039822	0.4892	0.49366	0.5008	0.0033935	-0.002	-0.0006	0.002	0.0011499
100	0.4867	0.49383	0.5043	0.0060283	0.4842	0.49322	0.5013	0.005451	-0.0041	-0.00061	0.002	0.0019462

Device Test: 16.11 _THRESHOLD|HYST/FAULT/12////@FAULT_VTH_HYST





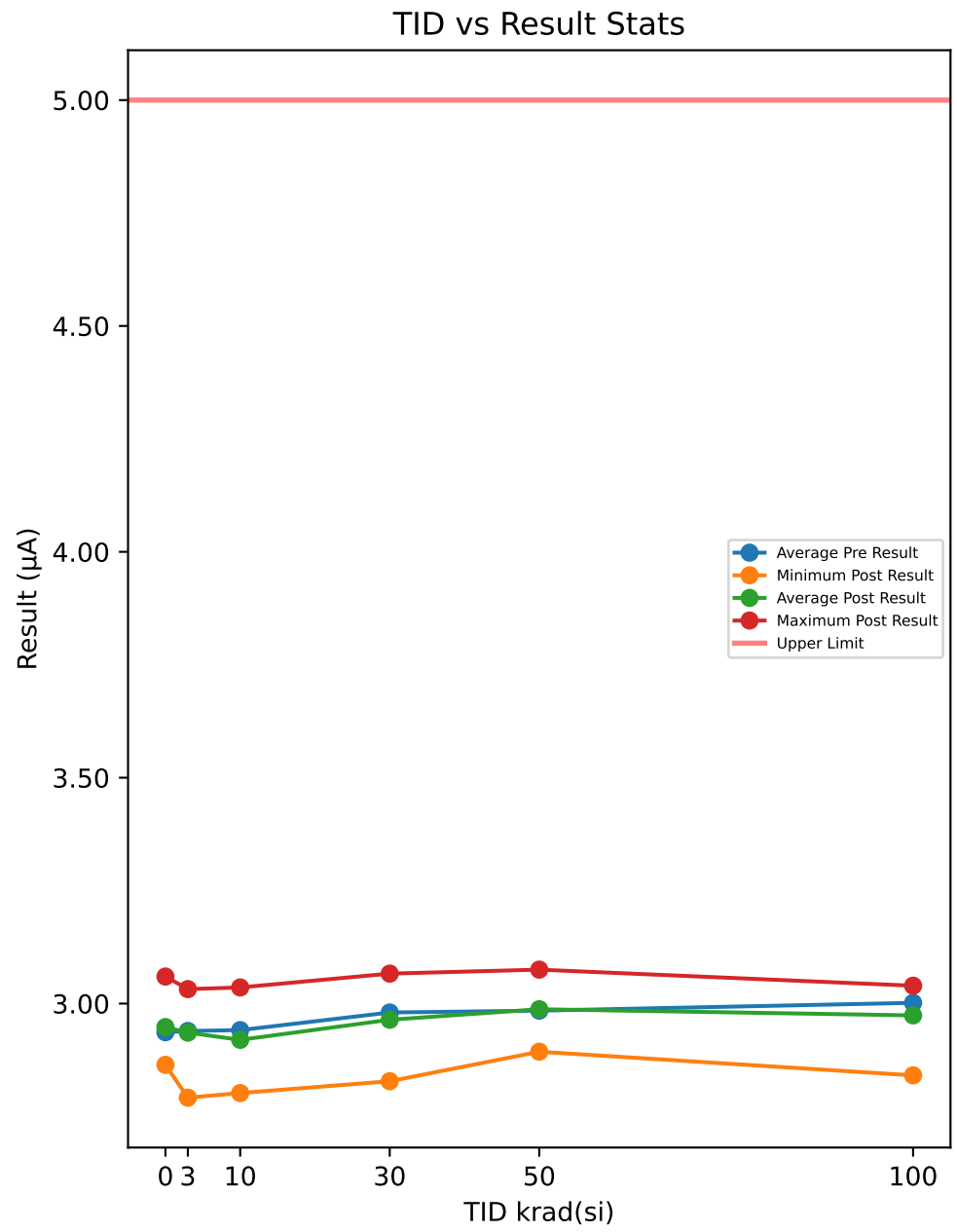
Test Results (Lower Limit = 90.0, Upper Limit = 110.0 (mV))

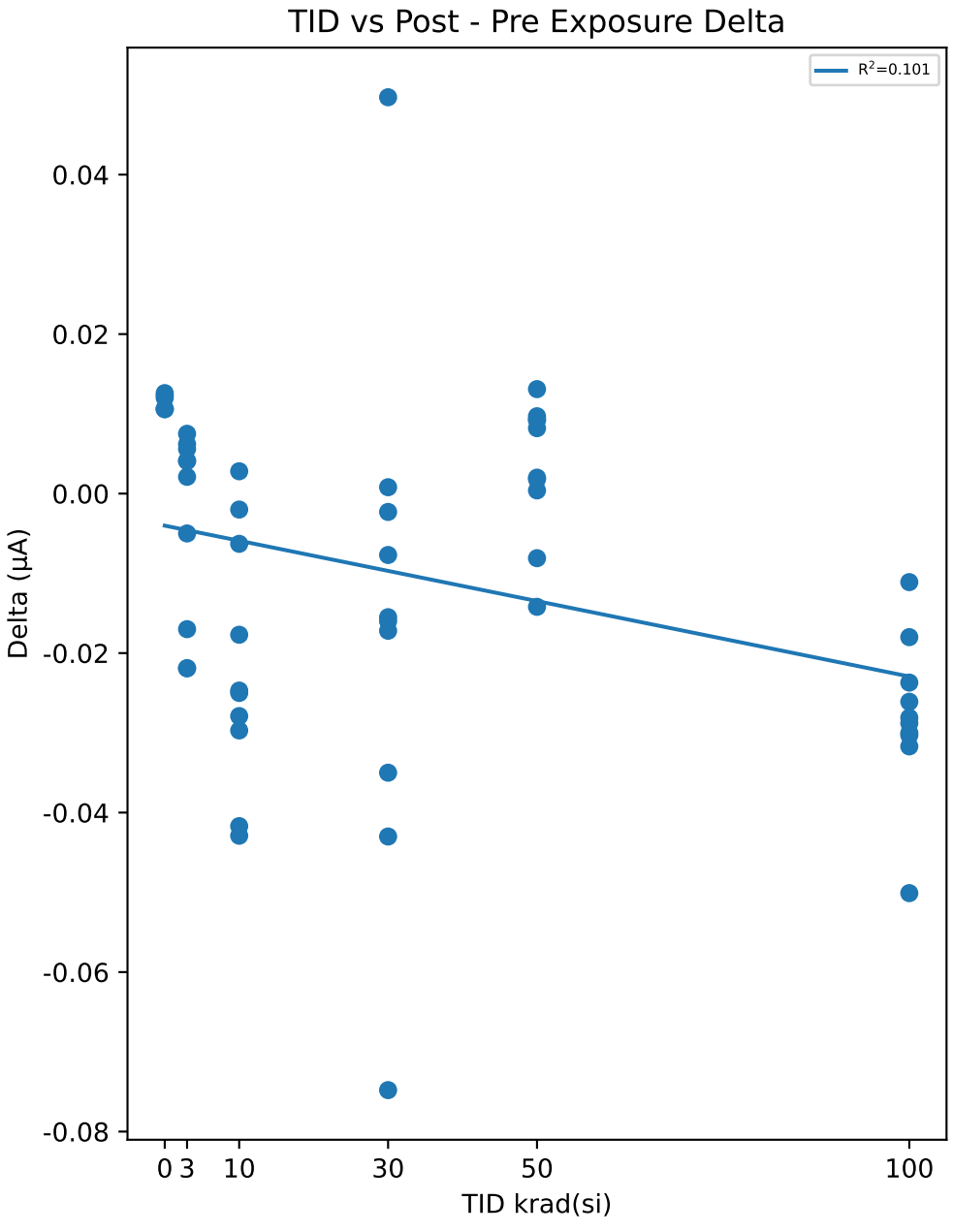
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	LDR Biased	104	104	0
2	3	LDR Biased	104	104	0
3	3	LDR Biased	104.51	104.51	0
4	3	LDR Biased	105.01	104.5	-0.501
5	3	LDR Biased	104	104	0
6	10	LDR Biased	104.5	104.5	0
7	10	LDR Biased	103.5	104	0.501
8	10	LDR Biased	103.5	104	0.5
9	10	LDR Biased	104.51	104.51	0
10	10	LDR Biased	104	104.5	0.5
11	30	LDR Biased	104.51	104.51	0
12	30	LDR Biased	105.01	105.01	-0.001
13	30	LDR Biased	104	104.5	0.5
14	30	LDR Biased	104.51	105.01	0.5
15	30	LDR Biased	103.5	104	0.501
16	50	LDR Biased	104	104	0
17	50	LDR Biased	104.51	104	-0.501
18	50	LDR Biased	103.5	103.5	-0.001
19	50	LDR Biased	104	104.51	0.501
20	50	LDR Biased	104	104	0
21	100	LDR Biased	104.5	104	-0.5
22	100	LDR Biased	105.01	104.51	-0.501
23	100	LDR Biased	103.5	103.5	-0.001
24	100	LDR Biased	104	104	0
25	100	LDR Biased	104	104	0
26	3	LDR Unbiased	104	104.5	0.5
27	3	LDR Unbiased	104.5	104.51	0.001
28	3	LDR Unbiased	104	103.5	-0.5
29	3	LDR Unbiased	104	104	0
30	3	LDR Unbiased	104	103.5	-0.501
31	10	LDR Unbiased	104.51	105.01	0.501
32	10	LDR Unbiased	103.5	104	0.5
33	10	LDR Unbiased	105.01	104.5	-0.501
34	10	LDR Unbiased	104.51	104.5	-0.001
35	10	LDR Unbiased	103.5	103.5	0
36	30	LDR Unbiased	103.5	104	0.5
37	30	LDR Unbiased	105.01	105.01	0
38	30	LDR Unbiased	104	104.5	0.5
39	30	LDR Unbiased	104	104.51	0.501
40	30	LDR Unbiased	104.51	104.51	0
41	50	LDR Unbiased	104	103.5	-0.501
42	50	LDR Unbiased	104	104.5	0.5
43	50	LDR Unbiased	104	104.51	0.501
44	50	LDR Unbiased	104	104	0
45	50	LDR Unbiased	104	103.5	-0.501
46	100	LDR Unbiased	104.51	104.51	0
47	100	LDR Unbiased	103.5	103.5	-0.001
48	100	LDR Unbiased	104	103.5	-0.501
49	100	LDR Unbiased	103.5	103.5	0
50	100	LDR Unbiased	104	103.5	-0.5
60	0	Correlation	103	103.5	0.5
61	0	Correlation	104	103.5	-0.501
62	0	Correlation	104	104	0
63	0	Correlation	104.5	104.5	0
64	0	Correlation	104.51	104.51	0
65	0	Correlation	104	104	0

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	103	104	104.51	0.54827	103.5	104	104.51	0.44788	-0.501	-0.00016667	0.5	0.31654
3	104	104.21	105.01	0.34995	103.5	104.11	104.51	0.3948	-0.501	-0.1001	0.5	0.31654
10	103.5	104.11	105.01	0.56829	103.5	104.31	105.01	0.42227	-0.501	0.2	0.501	0.35008
30	103.5	104.26	105.01	0.54083	104	104.56	105.01	0.36929	-0.001	0.3001	0.501	0.2585
50	103.5	104.01	104.51	0.23594	103.5	104	104.51	0.40893	-0.501	-0.0002	0.501	0.40893
100	103.5	104.06	105.01	0.49786	103.5	103.85	104.51	0.41237	-0.501	-0.2004	0	0.25829

Device Test: 16.12 _LEAK|POWERED/FAULT/12////@FAULT_LKG_CURR





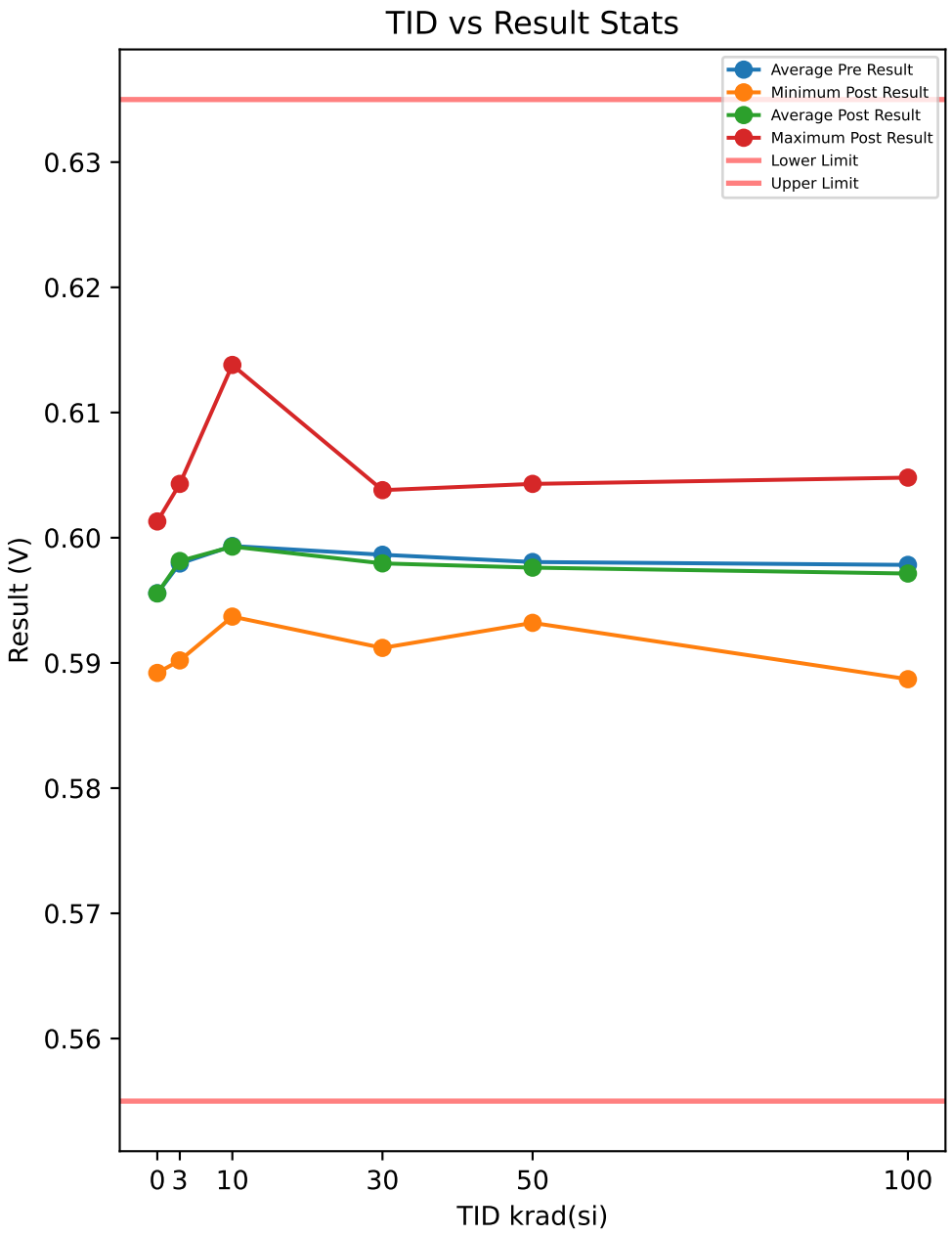
Test Results (Upper Limit = 5.0 (µA))

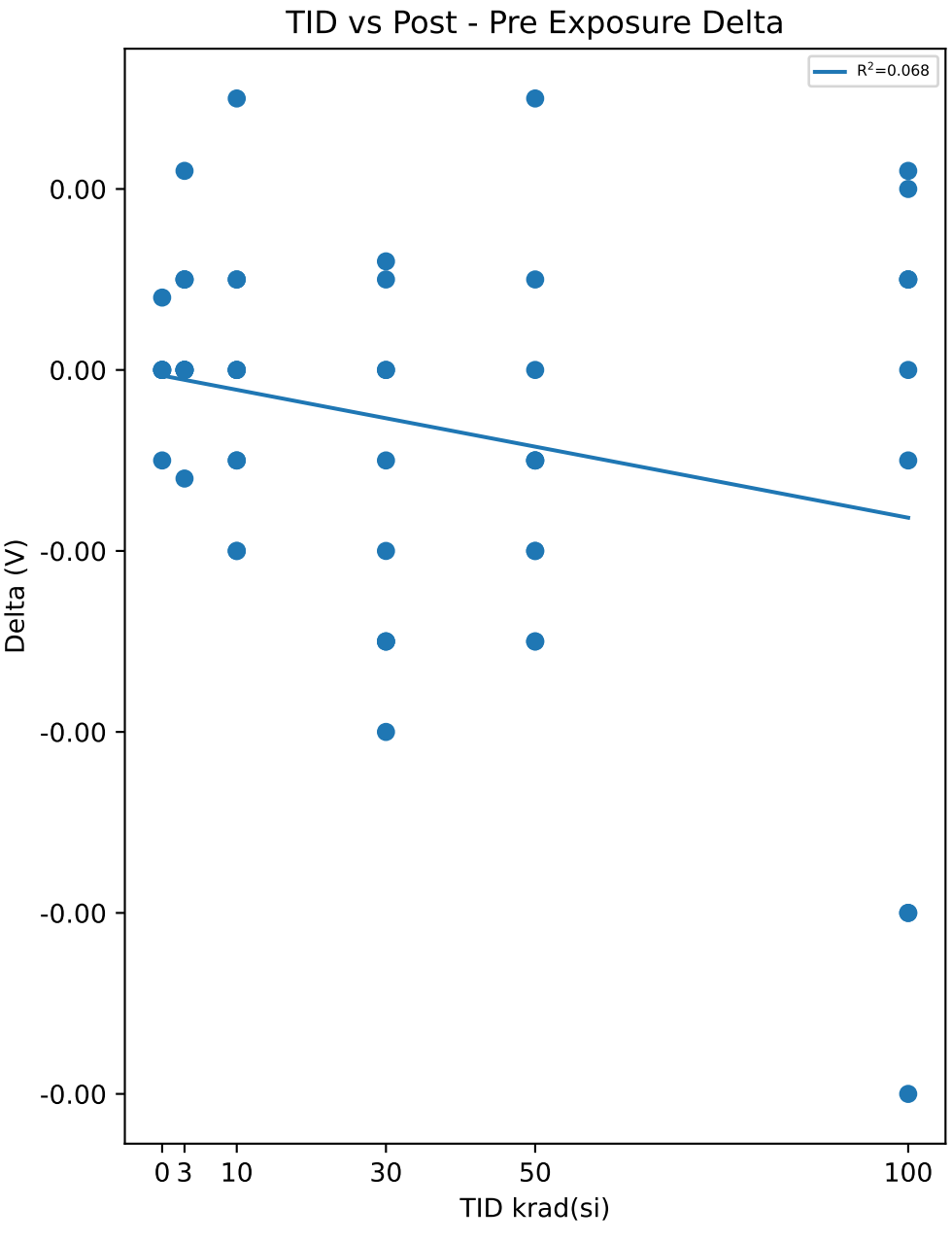
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	LDR Biased	3.0409	3.0239	-0.017
2	3	LDR Biased	2.9521	2.9302	-0.0219
3	3	LDR Biased	2.913	2.8911	-0.0219
4	3	LDR Biased	2.9669	2.9619	-0.005
5	3	LDR Biased	3.0258	3.032	0.0062
6	10	LDR Biased	2.8298	2.8019	-0.0279
7	10	LDR Biased	2.9478	2.9049	-0.0429
8	10	LDR Biased	3.0488	3.0071	-0.0417
9	10	LDR Biased	2.9762	2.9465	-0.0297
10	10	LDR Biased	2.8977	2.873	-0.0247
11	30	LDR Biased	2.9061	2.9558	0.0497
12	30	LDR Biased	2.9683	2.8935	-0.0748
13	30	LDR Biased	3.0856	3.0426	-0.043
14	30	LDR Biased	3.0173	2.9823	-0.035
15	30	LDR Biased	3.0823	3.0663	-0.016
16	50	LDR Biased	3.0105	2.9963	-0.0142
17	50	LDR Biased	2.947	2.9389	-0.0081
18	50	LDR Biased	2.9307	2.9325	0.0018
19	50	LDR Biased	3.0018	3.0038	0.002
20	50	LDR Biased	3.0122	3.0126	0.0004
21	100	LDR Biased	3.0246	2.9745	-0.0501
22	100	LDR Biased	3.0234	2.9931	-0.0303
23	100	LDR Biased	3.0465	3.0184	-0.0281
24	100	LDR Biased	3.0325	3.0025	-0.03
25	100	LDR Biased	2.9376	2.9139	-0.0237
26	3	LDR Unbiased	3.0258	3.0299	0.0041
27	3	LDR Unbiased	2.7896	2.7917	0.0021
28	3	LDR Unbiased	2.9115	2.9171	0.0056
29	3	LDR Unbiased	2.8252	2.8293	0.0041
30	3	LDR Unbiased	2.9423	2.9498	0.0075
31	10	LDR Unbiased	2.8751	2.8501	-0.025
32	10	LDR Unbiased	2.9684	2.9507	-0.0177
33	10	LDR Unbiased	2.9889	2.9826	-0.0063
34	10	LDR Unbiased	2.8466	2.8446	-0.002
35	10	LDR Unbiased	3.0329	3.0357	0.0028
36	30	LDR Unbiased	2.8436	2.8281	-0.0155
37	30	LDR Unbiased	3.0379	3.0207	-0.0172
38	30	LDR Unbiased	3.0246	3.0169	-0.0077
39	30	LDR Unbiased	2.9775	2.9752	-0.0023
40	30	LDR Unbiased	2.8593	2.8601	0.0008
41	50	LDR Unbiased	3.049	3.0587	0.0097
42	50	LDR Unbiased	2.9668	2.976	0.0092
43	50	LDR Unbiased	2.9742	2.9873	0.0131
44	50	LDR Unbiased	3.0658	3.0751	0.0093
45	50	LDR Unbiased	2.8852	2.8934	0.0082
46	100	LDR Unbiased	3.0142	2.9825	-0.0317
47	100	LDR Unbiased	2.8699	2.8411	-0.0288
48	100	LDR Unbiased	3.0475	3.0214	-0.0261
49	100	LDR Unbiased	2.9693	2.9513	-0.018
50	100	LDR Unbiased	3.0506	3.0395	-0.0111
60	0	Correlation	3.0472	3.0598	0.0126
61	0	Correlation	2.8987	2.9093	0.0106
62	0	Correlation	2.8841	2.8947	0.0106
63	0	Correlation	2.9743	2.9849	0.0106
64	0	Correlation	2.8524	2.8644	0.012
65	0	Correlation	2.9626	2.9749	0.0123

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	2.8524	2.9365	3.0472	0.071571	2.8644	2.948	3.0598	0.071989	0.0106	0.01145	0.0126	0.00095026
3	2.7896	2.9393	3.0409	0.083742	2.7917	2.9357	3.032	0.082485	-0.0219	-0.00362	0.0075	0.012047
10	2.8298	2.9412	3.0488	0.075932	2.8019	2.9197	3.0357	0.077094	-0.0429	-0.02151	0.0028	0.015681
30	2.8436	2.9803	3.0856	0.086363	2.8281	2.9642	3.0663	0.079874	-0.0748	-0.0161	0.0497	0.032325
50	2.8852	2.9843	3.0658	0.054866	2.8934	2.9875	3.0751	0.055867	-0.0142	0.00314	0.0131	0.0086931
100	2.8699	3.0016	3.0506	0.058808	2.8411	2.9738	3.0395	0.059205	-0.0501	-0.02779	-0.0111	0.010107

Device Test: 16.13 _THRESHOLD|RISE/FAULT/14////@FAULT_VTH_RISING





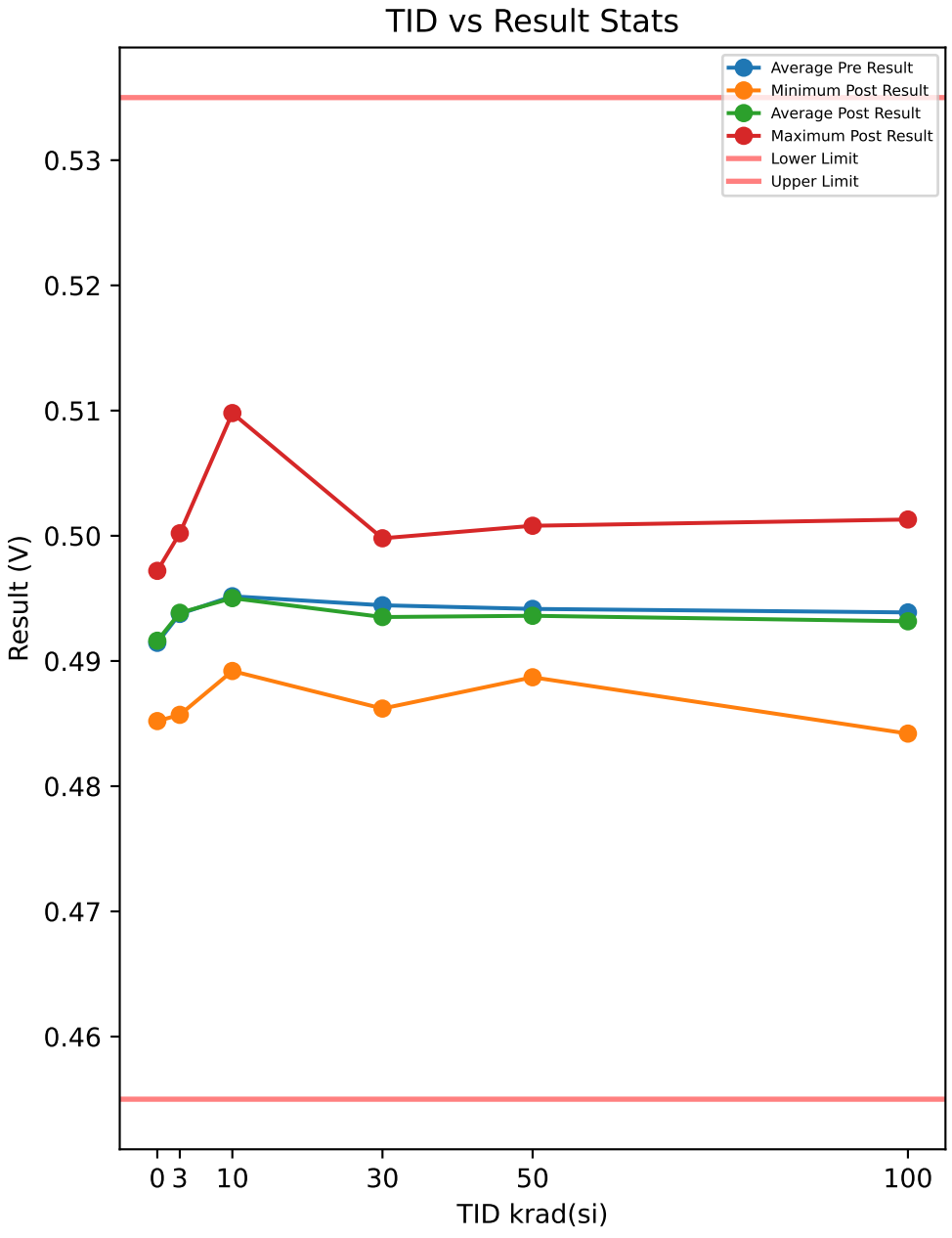
Test Results (Lower Limit = 0.555, Upper Limit = 0.635 (V))

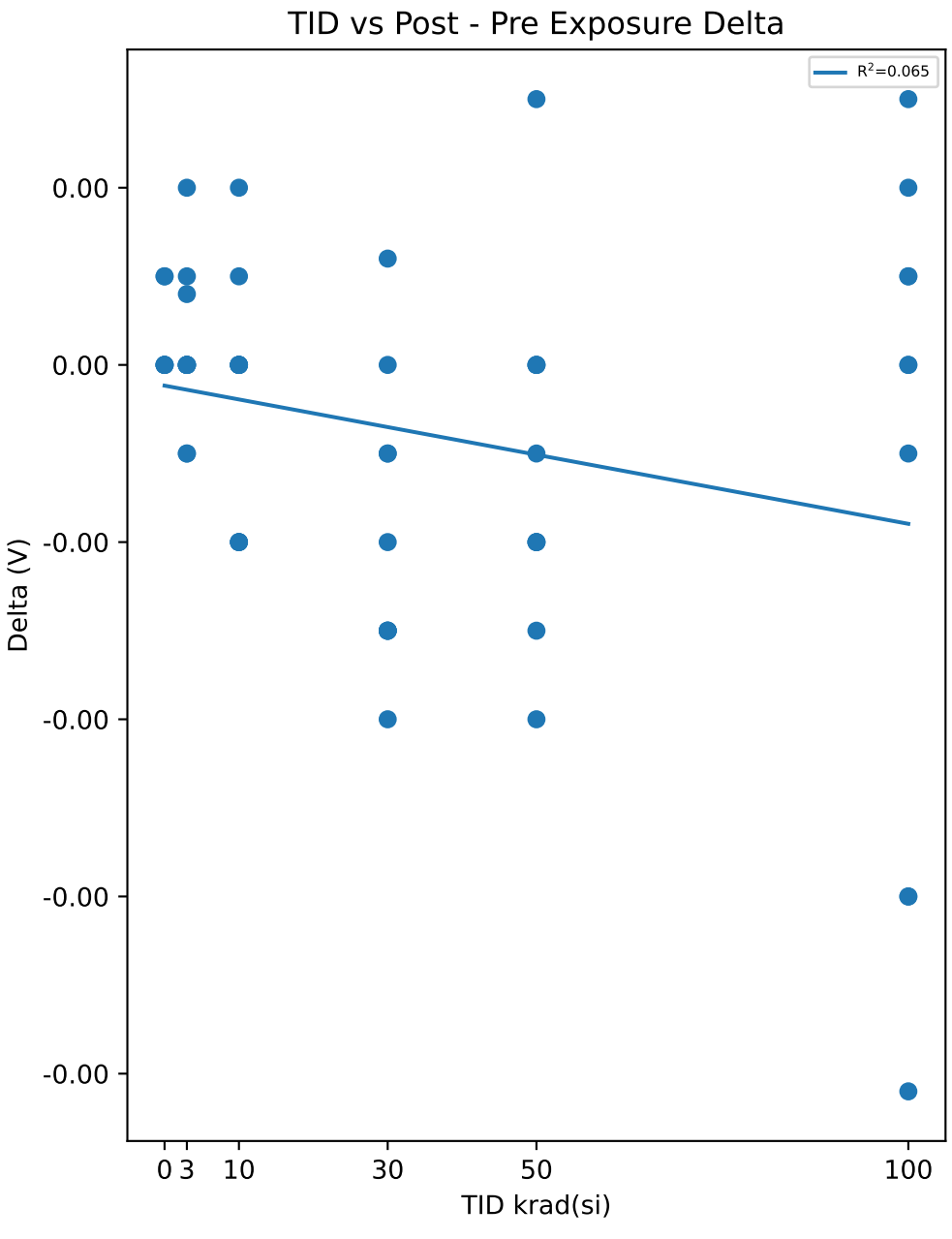
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	LDR Biased	0.6028	0.6028	0
2	3	LDR Biased	0.5962	0.5967	0.0005
3	3	LDR Biased	0.5957	0.5957	0
4	3	LDR Biased	0.6008	0.6002	-0.0006
5	3	LDR Biased	0.6038	0.6043	0.0005
6	10	LDR Biased	0.6043	0.6038	-0.0005
7	10	LDR Biased	0.6028	0.6023	-0.0005
8	10	LDR Biased	0.5932	0.5937	0.0005
9	10	LDR Biased	0.5992	0.5992	0
10	10	LDR Biased	0.5922	0.5937	0.0015
11	30	LDR Biased	0.6023	0.6008	-0.0015
12	30	LDR Biased	0.5932	0.5912	-0.002
13	30	LDR Biased	0.6033	0.6038	0.0005
14	30	LDR Biased	0.5967	0.5962	-0.0005
15	30	LDR Biased	0.5992	0.5998	0.0006
16	50	LDR Biased	0.5987	0.5987	0
17	50	LDR Biased	0.5917	0.5932	0.0015
18	50	LDR Biased	0.5972	0.5977	0.0005
19	50	LDR Biased	0.5982	0.5977	-0.0005
20	50	LDR Biased	0.5942	0.5937	-0.0005
21	100	LDR Biased	0.5987	0.5998	0.0011
22	100	LDR Biased	0.5917	0.5887	-0.003
23	100	LDR Biased	0.5957	0.5962	0.0005
24	100	LDR Biased	0.5962	0.5957	-0.0005
25	100	LDR Biased	0.6048	0.6008	-0.004
26	3	LDR Unbiased	0.6028	0.6028	0
27	3	LDR Unbiased	0.5987	0.5998	0.0011
28	3	LDR Unbiased	0.5917	0.5917	0
29	3	LDR Unbiased	0.5972	0.5972	0
30	3	LDR Unbiased	0.5897	0.5902	0.0005
31	10	LDR Unbiased	0.6008	0.5998	-0.001
32	10	LDR Unbiased	0.6138	0.6138	0
33	10	LDR Unbiased	0.5942	0.5942	0
34	10	LDR Unbiased	0.5982	0.5987	0.0005
35	10	LDR Unbiased	0.5947	0.5937	-0.001
36	30	LDR Unbiased	0.5942	0.5942	0
37	30	LDR Unbiased	0.6033	0.6033	0
38	30	LDR Unbiased	0.5952	0.5942	-0.001
39	30	LDR Unbiased	0.5967	0.5952	-0.0015
40	30	LDR Unbiased	0.6023	0.6008	-0.0015
41	50	LDR Unbiased	0.5952	0.5937	-0.0015
42	50	LDR Unbiased	0.5992	0.5987	-0.0005
43	50	LDR Unbiased	0.6002	0.5992	-0.001
44	50	LDR Unbiased	0.6002	0.5992	-0.001
45	50	LDR Unbiased	0.6058	0.6043	-0.0015
46	100	LDR Unbiased	0.5912	0.5917	0.0005
47	100	LDR Unbiased	0.6078	0.6048	-0.003
48	100	LDR Unbiased	0.5922	0.5927	0.0005
49	100	LDR Unbiased	0.6033	0.6033	0
50	100	LDR Unbiased	0.5967	0.5977	0.001
60	0	Correlation	0.5932	0.5932	0
61	0	Correlation	0.5942	0.5937	-0.0005
62	0	Correlation	0.6013	0.6013	0
63	0	Correlation	0.5998	0.6002	0.0004
64	0	Correlation	0.5892	0.5892	0
65	0	Correlation	0.5957	0.5957	0

Test Statistics (V)

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	0.5892	0.59557	0.6013	0.0044455	0.5892	0.59555	0.6013	0.0045602	-0.0005	-1.6667e-05	0.0004	0.00028577
3	0.5897	0.59794	0.6038	0.0047815	0.5902	0.59814	0.6043	0.0047353	-0.0006	0.0002	0.0011	0.00046188
10	0.5922	0.59934	0.6138	0.0065468	0.5937	0.59929	0.6138	0.0063264	-0.001	-5e-05	0.0015	0.00076194
30	0.5932	0.59864	0.6033	0.0039328	0.5912	0.59795	0.6038	0.0043054	-0.002	-0.00069	0.0006	0.00093387
50	0.5917	0.59806	0.6058	0.0038739	0.5932	0.59761	0.6043	0.0033703	-0.0015	-0.00045	0.0015	0.00092646
100	0.5912	0.59783	0.6078	0.005777	0.5887	0.59714	0.6048	0.0051737	-0.004	-0.00069	0.0011	0.0018988

Device Test: 16.14 _THRESHOLD|FALL/FAULT/14////@FAULT_VTH_FALLING





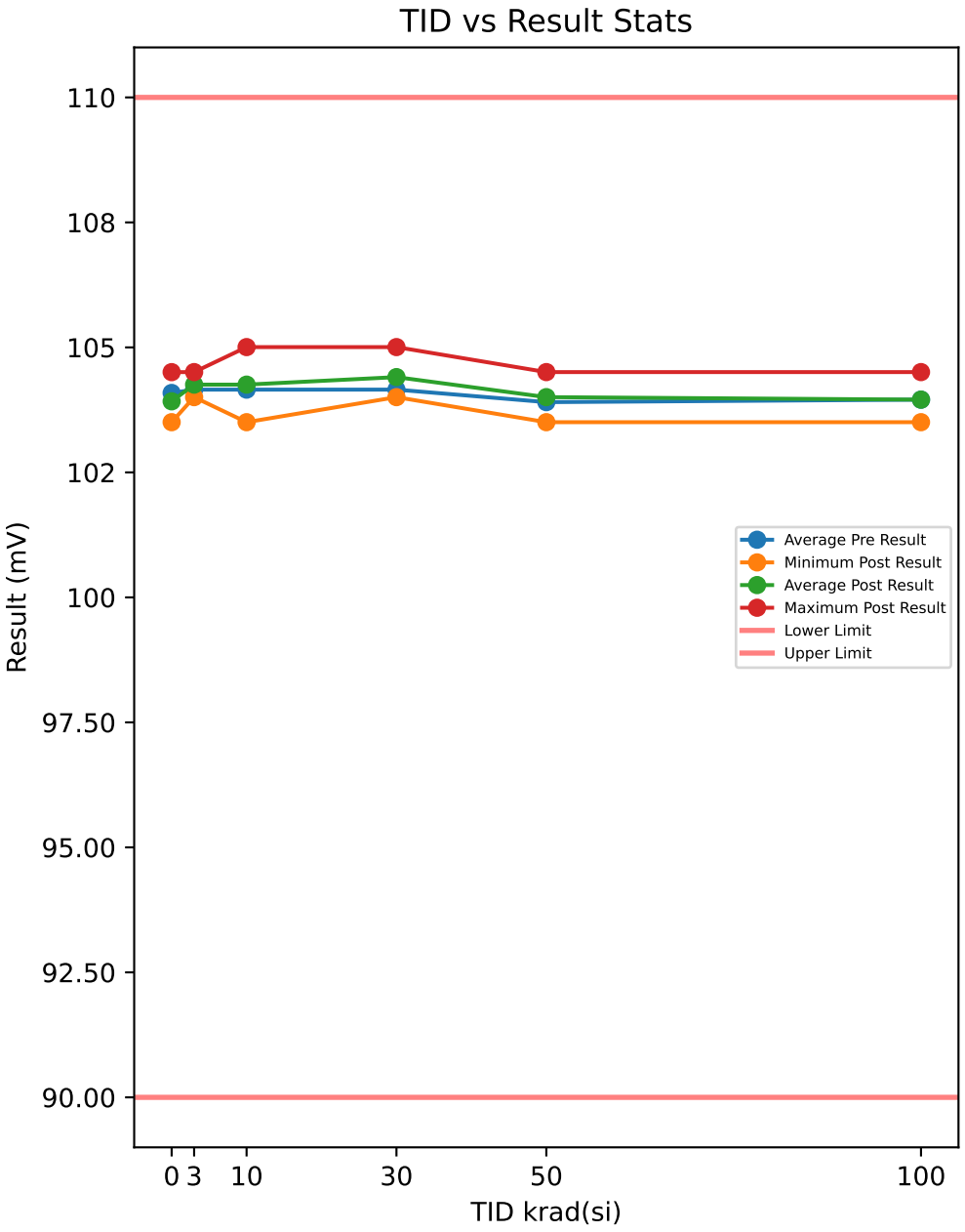
Test Results (Lower Limit = 0.455, Upper Limit = 0.535 (V))

Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	LDR Biased	0.4987	0.4987	0
2	3	LDR Biased	0.4922	0.4927	0.0005
3	3	LDR Biased	0.4912	0.4912	0
4	3	LDR Biased	0.4957	0.4957	0
5	3	LDR Biased	0.4998	0.5002	0.0004
6	10	LDR Biased	0.4998	0.4998	0
7	10	LDR Biased	0.4992	0.4982	-0.001
8	10	LDR Biased	0.4897	0.4897	0
9	10	LDR Biased	0.4947	0.4947	0
10	10	LDR Biased	0.4882	0.4892	0.001
11	30	LDR Biased	0.4977	0.4962	-0.0015
12	30	LDR Biased	0.4882	0.4862	-0.002
13	30	LDR Biased	0.4992	0.4998	0.0006
14	30	LDR Biased	0.4922	0.4912	-0.001
15	30	LDR Biased	0.4957	0.4957	0
16	50	LDR Biased	0.4952	0.4947	-0.0005
17	50	LDR Biased	0.4872	0.4887	0.0015
18	50	LDR Biased	0.4937	0.4937	0
19	50	LDR Biased	0.4937	0.4937	0
20	50	LDR Biased	0.4902	0.4902	0
21	100	LDR Biased	0.4942	0.4952	0.001
22	100	LDR Biased	0.4872	0.4842	-0.003
23	100	LDR Biased	0.4922	0.4927	0.0005
24	100	LDR Biased	0.4922	0.4917	-0.0005
25	100	LDR Biased	0.5008	0.4967	-0.0041
26	3	LDR Unbiased	0.4987	0.4982	-0.0005
27	3	LDR Unbiased	0.4942	0.4952	0.001
28	3	LDR Unbiased	0.4877	0.4877	0
29	3	LDR Unbiased	0.4937	0.4932	-0.0005
30	3	LDR Unbiased	0.4857	0.4857	0
31	10	LDR Unbiased	0.4962	0.4952	-0.001
32	10	LDR Unbiased	0.5098	0.5098	0
33	10	LDR Unbiased	0.4892	0.4892	0
34	10	LDR Unbiased	0.4937	0.4942	0.0005
35	10	LDR Unbiased	0.4912	0.4902	-0.001
36	30	LDR Unbiased	0.4907	0.4902	-0.0005
37	30	LDR Unbiased	0.4987	0.4982	-0.0005
38	30	LDR Unbiased	0.4917	0.4902	-0.0015
39	30	LDR Unbiased	0.4927	0.4912	-0.0015
40	30	LDR Unbiased	0.4977	0.4962	-0.0015
41	50	LDR Unbiased	0.4917	0.4902	-0.0015
42	50	LDR Unbiased	0.4952	0.4942	-0.001
43	50	LDR Unbiased	0.4967	0.4947	-0.002
44	50	LDR Unbiased	0.4962	0.4952	-0.001
45	50	LDR Unbiased	0.5018	0.5008	-0.001
46	100	LDR Unbiased	0.4872	0.4872	0
47	100	LDR Unbiased	0.5043	0.5013	-0.003
48	100	LDR Unbiased	0.4882	0.4887	0.0005
49	100	LDR Unbiased	0.4998	0.4998	0
50	100	LDR Unbiased	0.4927	0.4942	0.0015
60	0	Correlation	0.4897	0.4897	0
61	0	Correlation	0.4897	0.4902	0.0005
62	0	Correlation	0.4972	0.4972	0
63	0	Correlation	0.4957	0.4957	0
64	0	Correlation	0.4847	0.4852	0.0005
65	0	Correlation	0.4917	0.4917	0

Test Statistics (V)

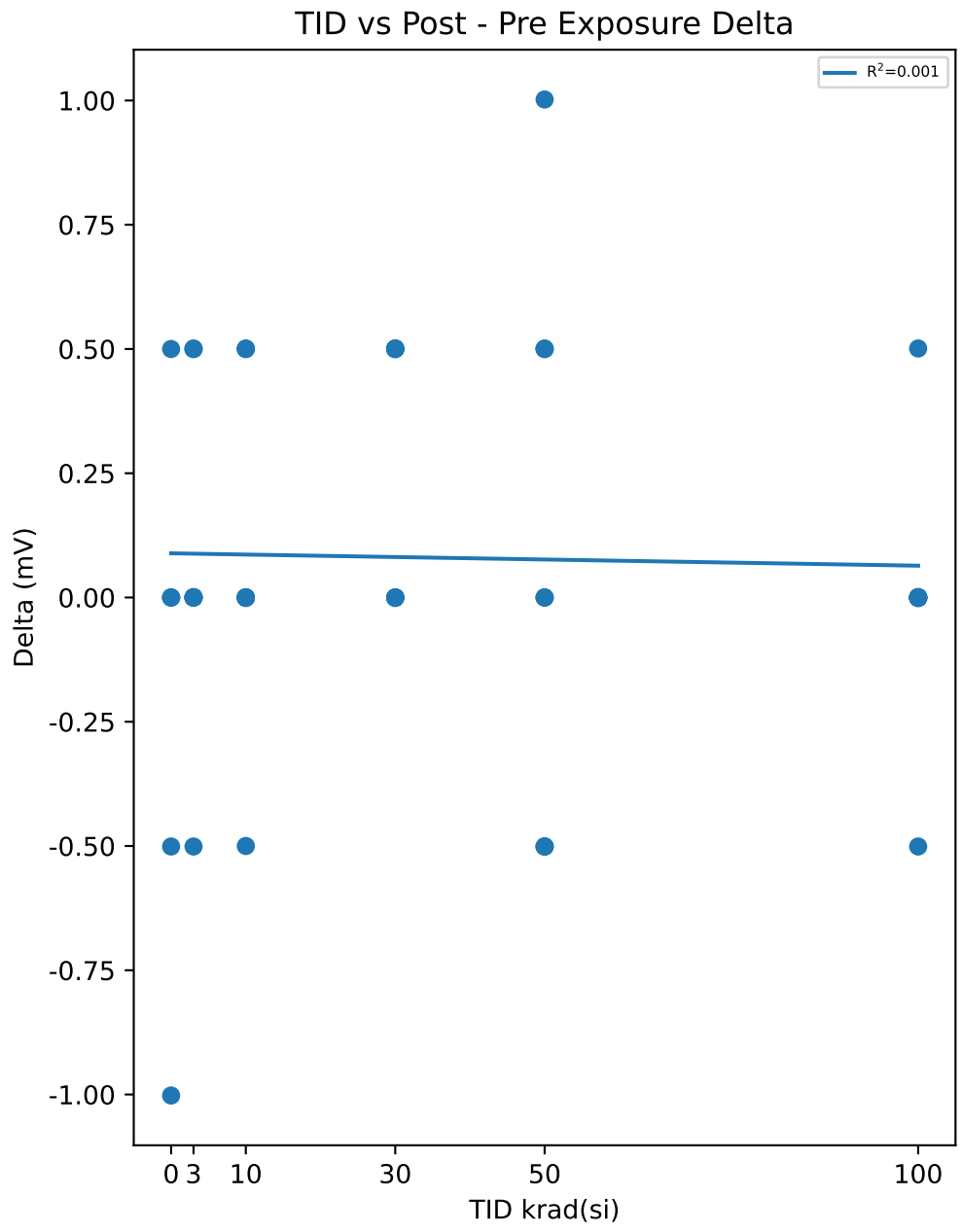
krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	0.4847	0.49145	0.4972	0.004536	0.4852	0.49162	0.4972	0.0043522	0	0.00016667	0.0005	0.0002582
3	0.4857	0.49376	0.4998	0.0047131	0.4857	0.49385	0.5002	0.0047261	-0.0005	9e-05	0.001	0.0004508
10	0.4882	0.49517	0.5098	0.006541	0.4892	0.49502	0.5098	0.0064247	-0.001	-0.00015	0.001	0.00066875
30	0.4882	0.49445	0.4992	0.0038315	0.4862	0.49351	0.4998	0.0043057	-0.002	-0.00094	0.0006	0.00081813
50	0.4872	0.49416	0.5018	0.0039685	0.4887	0.49361	0.5008	0.0034047	-0.002	-0.00055	0.0015	0.0009846
100	0.4872	0.49388	0.5043	0.0059643	0.4842	0.49317	0.5013	0.0054381	-0.0041	-0.00071	0.0015	0.001937

Device Test: 16.15 _THRESHOLD|HYST/FAULT/14////@FAULT_VTH_HYST



Test Results (Lower Limit = 90.0, Upper Limit = 110.0 (mV))

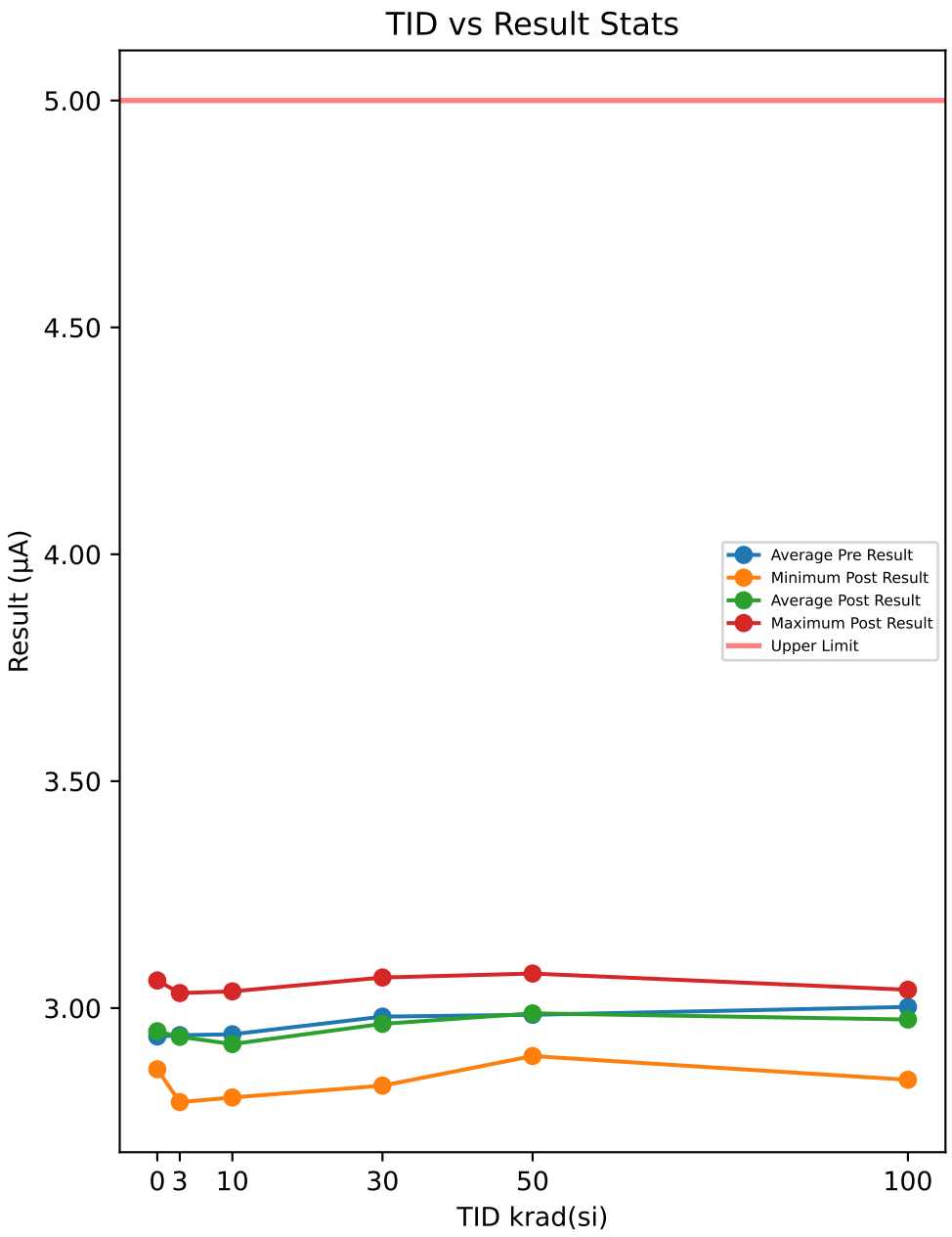
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	LDR Biased	104	104	0
2	3	LDR Biased	104	104	0
3	3	LDR Biased	104.51	104.51	0
4	3	LDR Biased	105.01	104.5	-0.501
5	3	LDR Biased	104	104	0
6	10	LDR Biased	104.5	104	-0.5
7	10	LDR Biased	103.5	104	0.501
8	10	LDR Biased	103.5	104	0.5
9	10	LDR Biased	104.51	104.51	0
10	10	LDR Biased	104	104.5	0.5
11	30	LDR Biased	104.51	104.51	0
12	30	LDR Biased	105.01	105.01	-0.001
13	30	LDR Biased	104	104	0
14	30	LDR Biased	104.51	105.01	0.5
15	30	LDR Biased	103.5	104	0.501
16	50	LDR Biased	103.5	104	0.501
17	50	LDR Biased	104.51	104.51	0
18	50	LDR Biased	103.5	104	0.5
19	50	LDR Biased	104.51	104	-0.501
20	50	LDR Biased	104	103.5	-0.501
21	100	LDR Biased	104.5	104.51	0.001
22	100	LDR Biased	104.51	104.51	0
23	100	LDR Biased	103.5	103.5	-0.001
24	100	LDR Biased	104	104	0
25	100	LDR Biased	104	104	0
26	3	LDR Unbiased	104	104.5	0.5
27	3	LDR Unbiased	104.5	104.51	0.001
28	3	LDR Unbiased	104	104	0
29	3	LDR Unbiased	103.5	104	0.5
30	3	LDR Unbiased	104	104.51	0.501
31	10	LDR Unbiased	104.51	104.51	0
32	10	LDR Unbiased	104	104	0
33	10	LDR Unbiased	105.01	105.01	0
34	10	LDR Unbiased	104.51	104.5	-0.001
35	10	LDR Unbiased	103.5	103.5	0
36	30	LDR Unbiased	103.5	104	0.5
37	30	LDR Unbiased	104.51	105.01	0.5
38	30	LDR Unbiased	103.5	104	0.501
39	30	LDR Unbiased	104	104	0
40	30	LDR Unbiased	104.51	104.51	0
41	50	LDR Unbiased	103.5	103.5	0
42	50	LDR Unbiased	104	104.5	0.5
43	50	LDR Unbiased	103.5	104.51	1.002
44	50	LDR Unbiased	104	104	0
45	50	LDR Unbiased	104	103.5	-0.501
46	100	LDR Unbiased	104	104.51	0.501
47	100	LDR Unbiased	103.5	103.5	-0.001
48	100	LDR Unbiased	104	104	0
49	100	LDR Unbiased	103.5	103.5	0
50	100	LDR Unbiased	104	103.5	-0.501
60	0	Correlation	103.5	103.5	0
61	0	Correlation	104.51	103.5	-1.002
62	0	Correlation	104	104	0
63	0	Correlation	104	104.5	0.5
64	0	Correlation	104.51	104	-0.501
65	0	Correlation	104	104	0

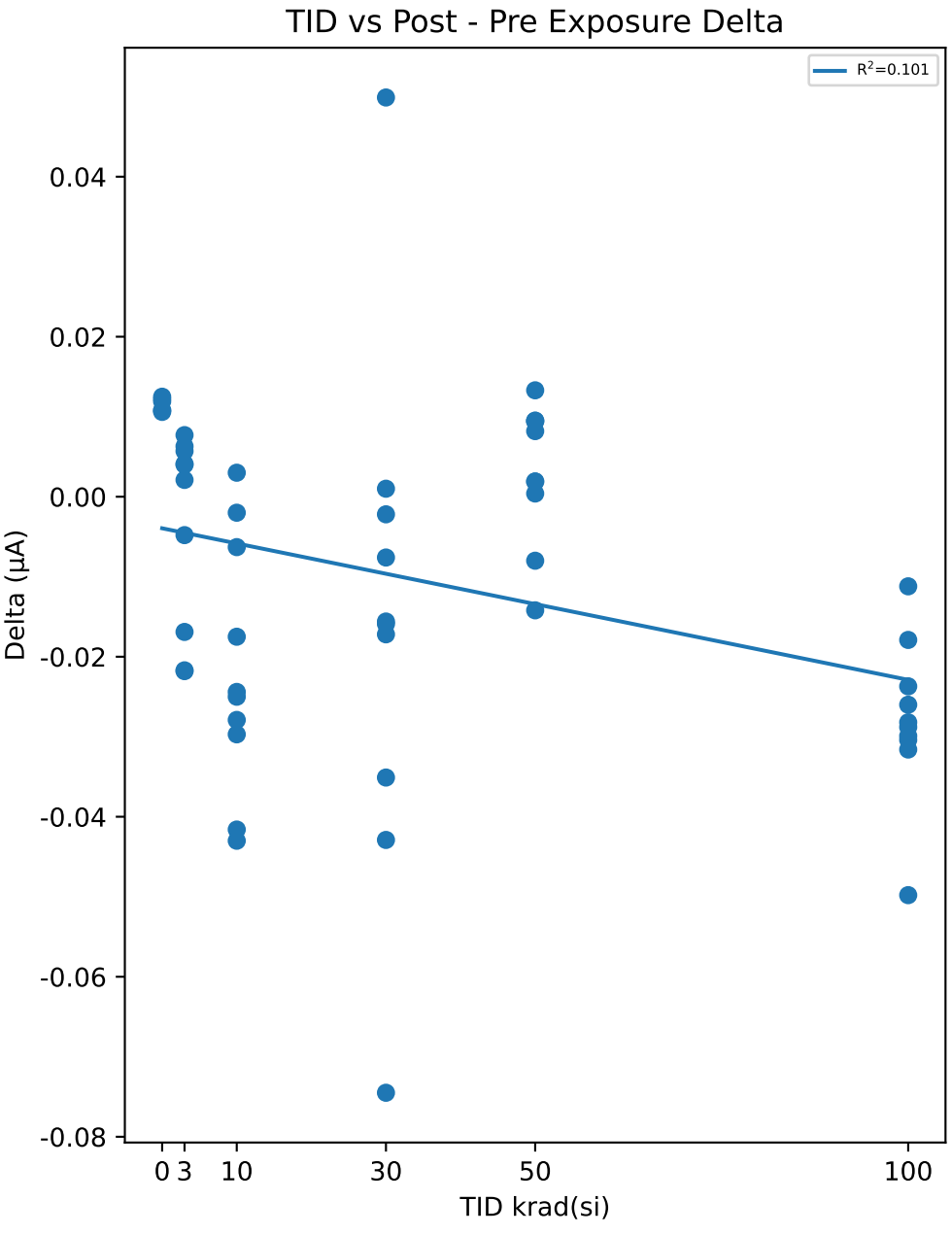


Test Statistics (mV)

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	103.5	104.09	104.51	0.37683	103.5	103.92	104.5	0.37661	-1.002	-0.16717	0.5	0.51717
3	103.5	104.16	105.01	0.41196	104	104.26	104.51	0.26384	-0.501	0.1001	0.501	0.31654
10	103.5	104.16	105.01	0.53035	103.5	104.26	105.01	0.42544	-0.5	0.1	0.501	0.3164
30	103.5	104.16	105.01	0.5306	104	104.41	105.01	0.45995	-0.001	0.2501	0.501	0.26384
50	103.5	103.9	104.51	0.39508	103.5	104	104.51	0.40893	-0.501	0.1	1.002	0.51726
100	103.5	103.95	104.51	0.36923	103.5	103.95	104.51	0.43867	-0.501	-0.0001	0.501	0.23617

Device Test: 16.16 _LEAK|POWERED/FAULT/14////@FAULT_LKG_CURR





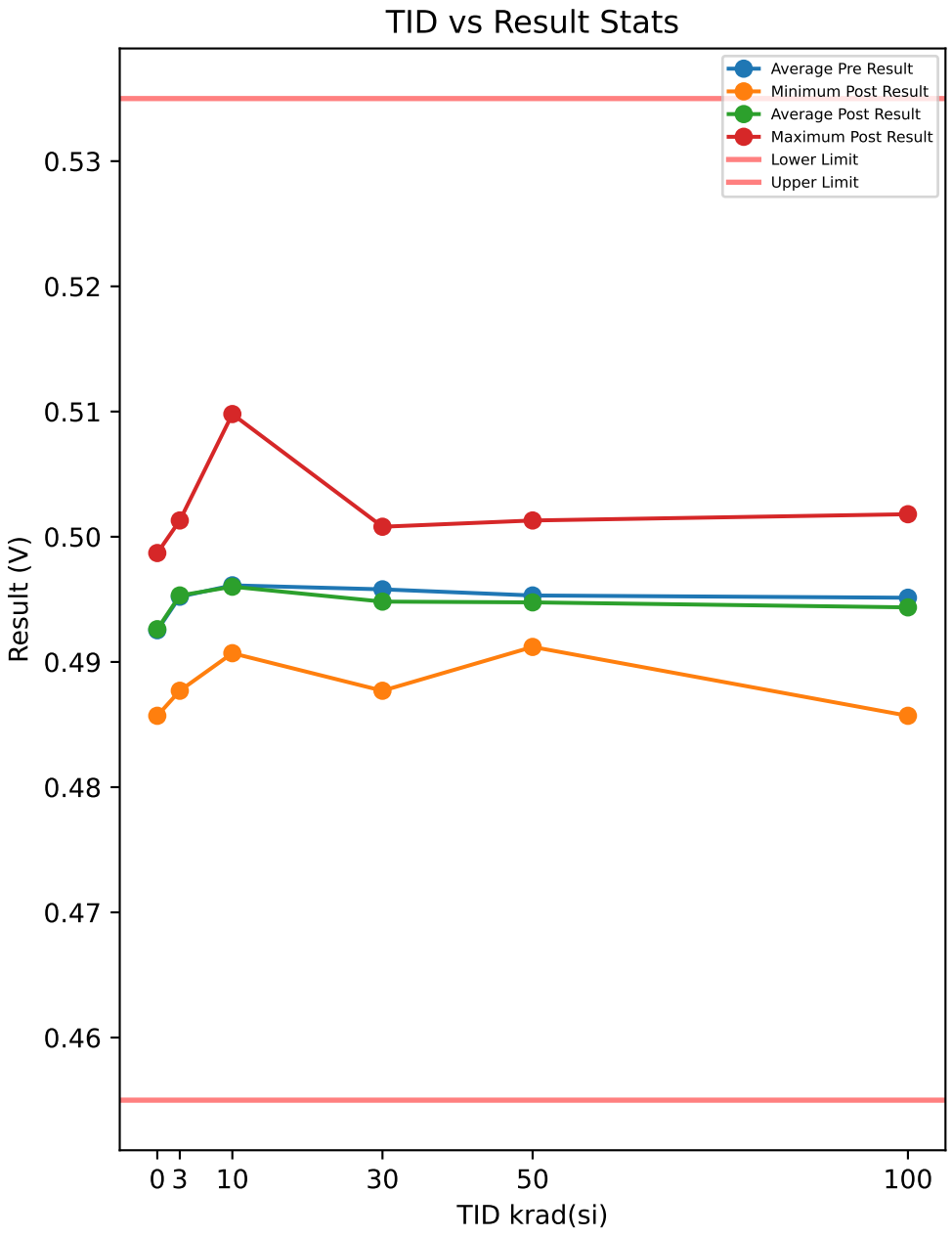
Test Results (Upper Limit = 5.0 (µA))

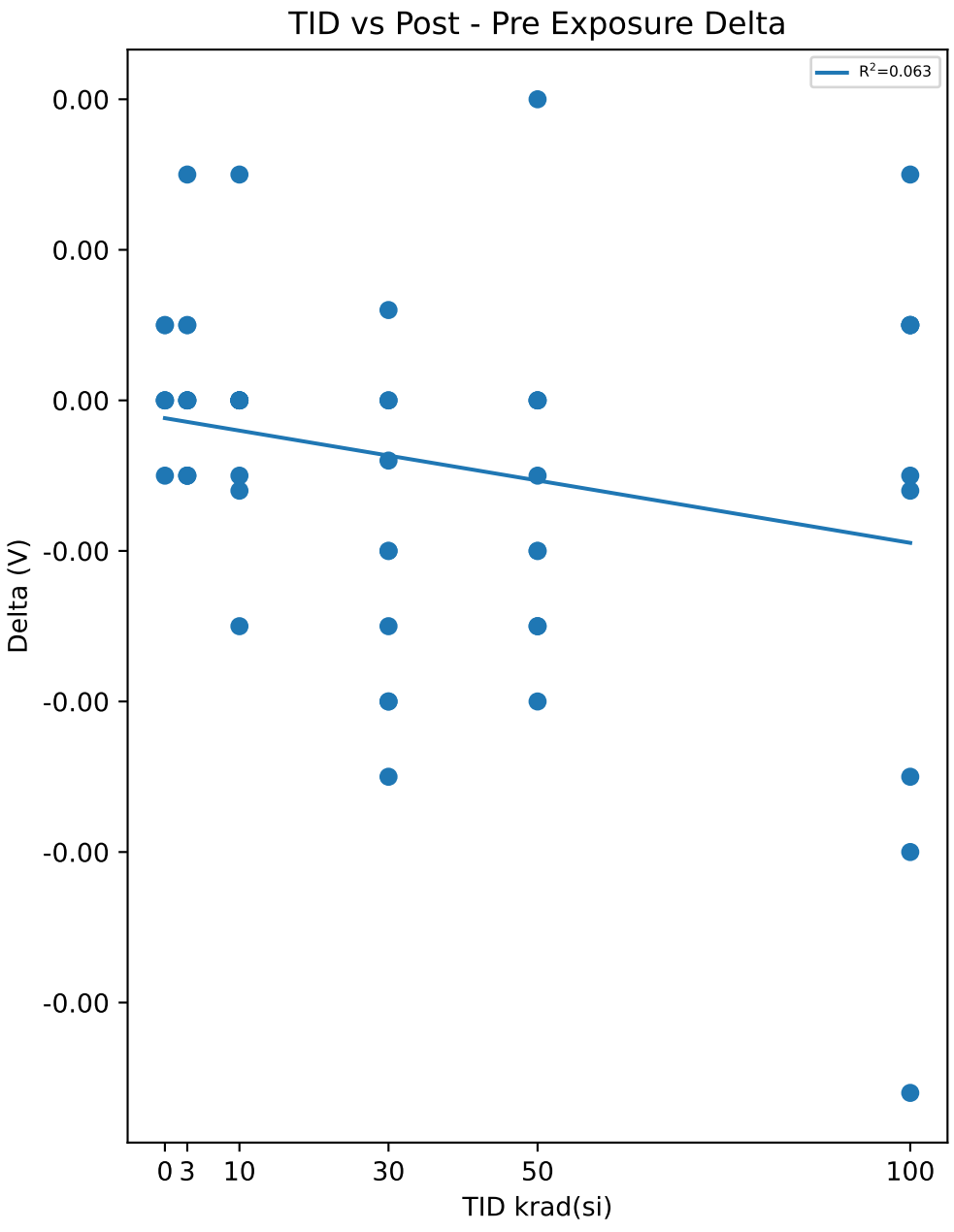
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	LDR Biased	3.042	3.0251	-0.0169
2	3	LDR Biased	2.9529	2.9311	-0.0218
3	3	LDR Biased	2.9139	2.8922	-0.0217
4	3	LDR Biased	2.9677	2.9629	-0.0048
5	3	LDR Biased	3.0268	3.0331	0.0063
6	10	LDR Biased	2.8309	2.803	-0.0279
7	10	LDR Biased	2.9489	2.9059	-0.043
8	10	LDR Biased	3.0499	3.0083	-0.0416
9	10	LDR Biased	2.9772	2.9475	-0.0297
10	10	LDR Biased	2.8986	2.8742	-0.0244
11	30	LDR Biased	2.9071	2.957	0.0499
12	30	LDR Biased	2.9692	2.8947	-0.0745
13	30	LDR Biased	3.0865	3.0436	-0.0429
14	30	LDR Biased	3.0183	2.9832	-0.0351
15	30	LDR Biased	3.0833	3.0674	-0.0159
16	50	LDR Biased	3.0115	2.9973	-0.0142
17	50	LDR Biased	2.9479	2.9399	-0.008
18	50	LDR Biased	2.9315	2.9334	0.0019
19	50	LDR Biased	3.0028	3.0047	0.0019
20	50	LDR Biased	3.0131	3.0135	0.0004
21	100	LDR Biased	3.0255	2.9757	-0.0498
22	100	LDR Biased	3.0245	2.9941	-0.0304
23	100	LDR Biased	3.0475	3.0193	-0.0282
24	100	LDR Biased	3.0334	3.0035	-0.0299
25	100	LDR Biased	2.9386	2.9149	-0.0237
26	3	LDR Unbiased	3.0268	3.0309	0.0041
27	3	LDR Unbiased	2.7907	2.7928	0.0021
28	3	LDR Unbiased	2.9124	2.9181	0.0057
29	3	LDR Unbiased	2.8262	2.8302	0.004
30	3	LDR Unbiased	2.9432	2.9509	0.0077
31	10	LDR Unbiased	2.8761	2.8511	-0.025
32	10	LDR Unbiased	2.9693	2.9518	-0.0175
33	10	LDR Unbiased	2.9898	2.9835	-0.0063
34	10	LDR Unbiased	2.8476	2.8456	-0.002
35	10	LDR Unbiased	3.0338	3.0368	0.003
36	30	LDR Unbiased	2.8447	2.8291	-0.0156
37	30	LDR Unbiased	3.0389	3.0217	-0.0172
38	30	LDR Unbiased	3.0256	3.018	-0.0076
39	30	LDR Unbiased	2.9785	2.9763	-0.0022
40	30	LDR Unbiased	2.8602	2.8612	0.001
41	50	LDR Unbiased	3.0501	3.0595	0.0094
42	50	LDR Unbiased	2.9676	2.9771	0.0095
43	50	LDR Unbiased	2.9751	2.9884	0.0133
44	50	LDR Unbiased	3.0666	3.0761	0.0095
45	50	LDR Unbiased	2.8861	2.8943	0.0082
46	100	LDR Unbiased	3.015	2.9834	-0.0316
47	100	LDR Unbiased	2.8708	2.842	-0.0288
48	100	LDR Unbiased	3.0486	3.0226	-0.026
49	100	LDR Unbiased	2.9702	2.9523	-0.0179
50	100	LDR Unbiased	3.0516	3.0404	-0.0112
60	0	Correlation	3.0483	3.0608	0.0125
61	0	Correlation	2.8997	2.9103	0.0106
62	0	Correlation	2.885	2.8958	0.0108
63	0	Correlation	2.9751	2.9859	0.0108
64	0	Correlation	2.8533	2.8652	0.0119
65	0	Correlation	2.9635	2.9757	0.0122

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	2.8533	2.9375	3.0483	0.071612	2.8652	2.9489	3.0608	0.072006	0.0106	0.011467	0.0125	0.00082865
3	2.7907	2.9403	3.042	0.083732	2.7928	2.9367	3.0331	0.082513	-0.0218	-0.00353	0.0077	0.012013
10	2.8309	2.9422	3.0499	0.075914	2.803	2.9208	3.0368	0.077101	-0.043	-0.02144	0.003	0.015715
30	2.8447	2.9812	3.0865	0.086349	2.8291	2.9652	3.0674	0.079858	-0.0745	-0.01601	0.0499	0.032327
50	2.8861	2.9852	3.0666	0.054899	2.8943	2.9884	3.0761	0.055858	-0.0142	0.00319	0.0133	0.0087194
100	2.8708	3.0026	3.0516	0.058837	2.842	2.9748	3.0404	0.059226	-0.0498	-0.02775	-0.0112	0.010024

Device Test: 16.2 _THRESHOLD|FALL/FAULT/4.5////@FAULT_VTH_FALLING





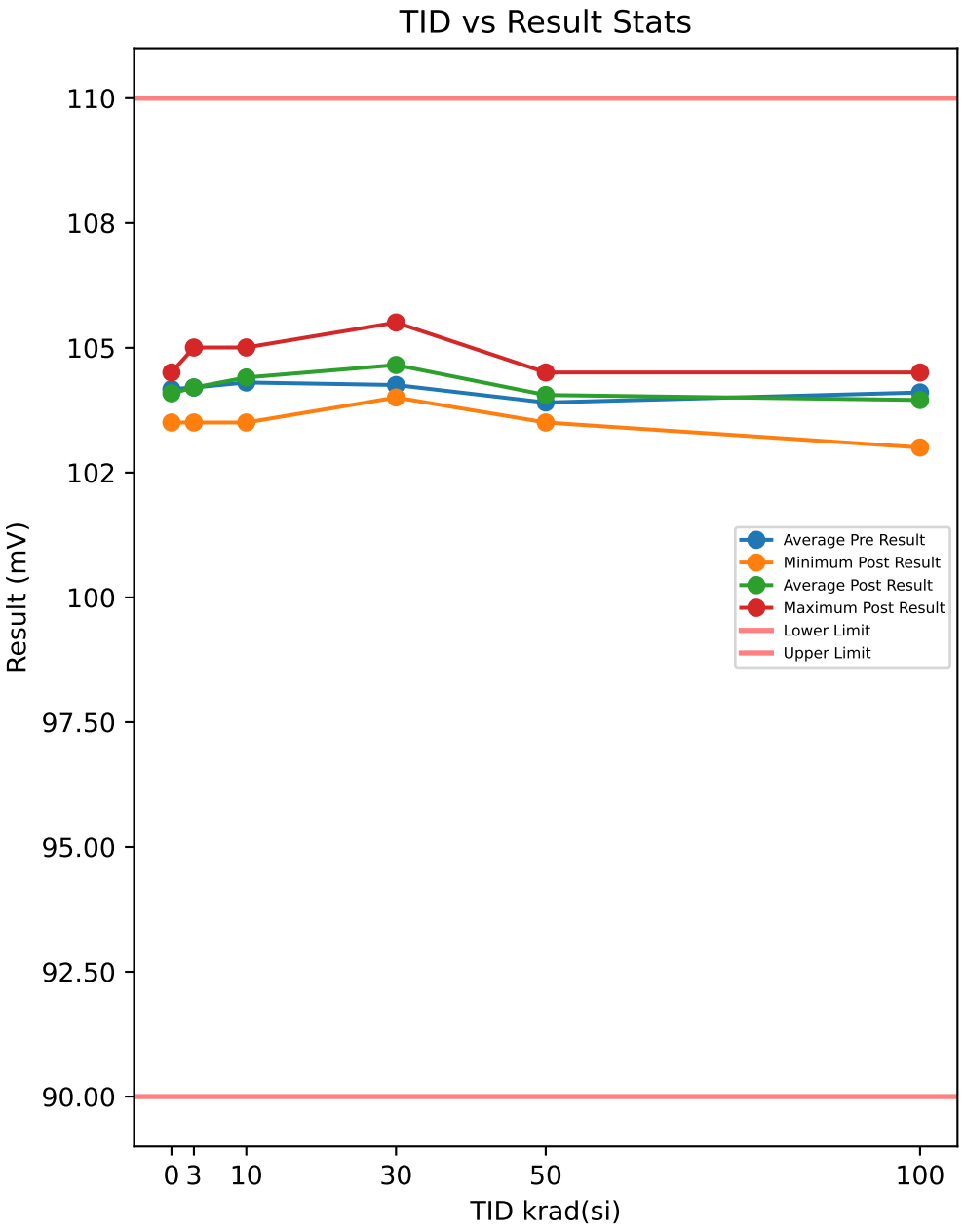
Test Results (Lower Limit = 0.455, Upper Limit = 0.535 (V))

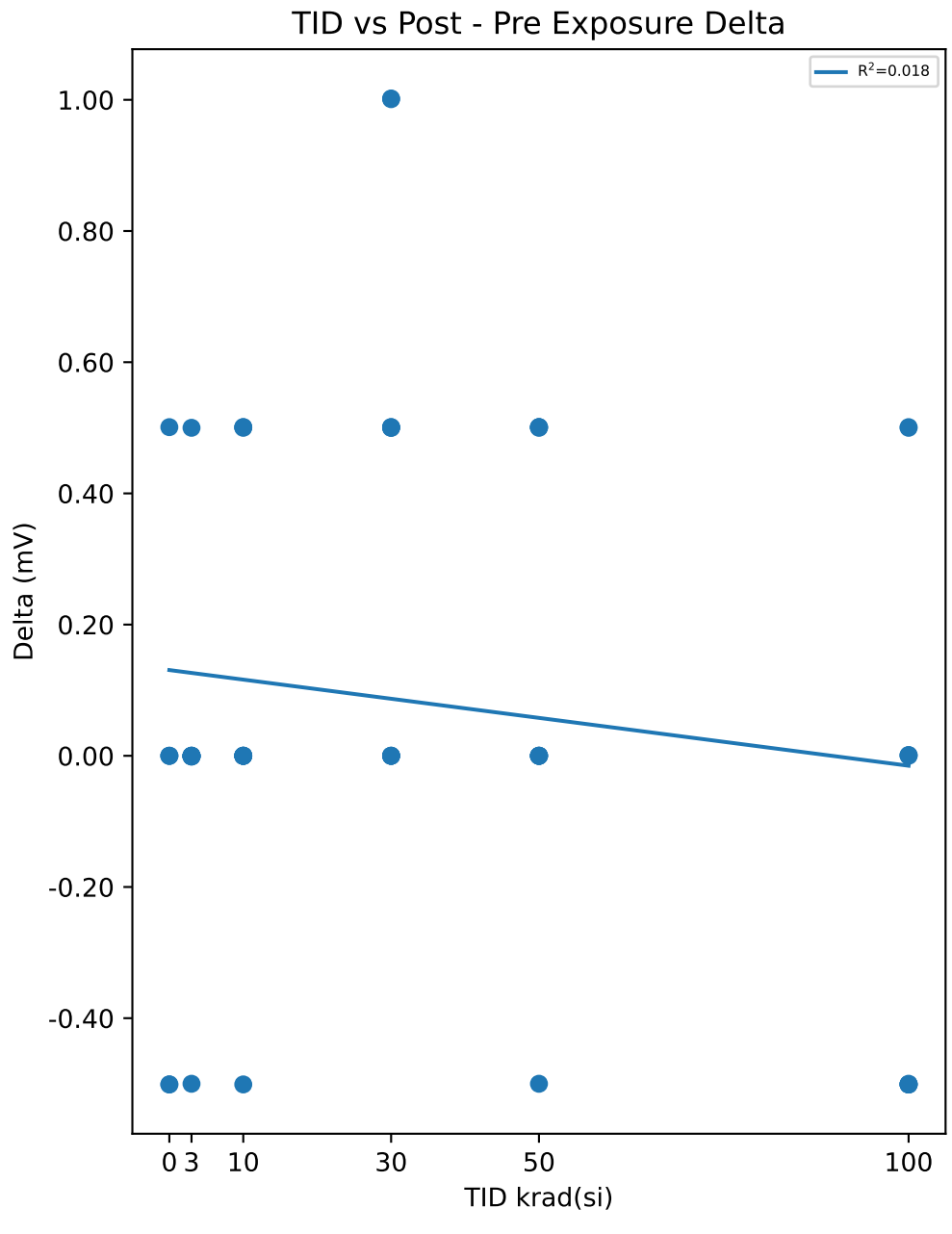
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	LDR Biased	0.5002	0.5002	0
2	3	LDR Biased	0.4927	0.4932	0.0005
3	3	LDR Biased	0.4937	0.4932	-0.0005
4	3	LDR Biased	0.4977	0.4972	-0.0005
5	3	LDR Biased	0.5008	0.5013	0.0005
6	10	LDR Biased	0.5002	0.5002	0
7	10	LDR Biased	0.4998	0.4992	-0.0006
8	10	LDR Biased	0.4907	0.4907	0
9	10	LDR Biased	0.4962	0.4962	0
10	10	LDR Biased	0.4897	0.4912	0.0015
11	30	LDR Biased	0.4987	0.4967	-0.002
12	30	LDR Biased	0.4902	0.4877	-0.0025
13	30	LDR Biased	0.5002	0.5008	0.0006
14	30	LDR Biased	0.4937	0.4927	-0.001
15	30	LDR Biased	0.4967	0.4967	0
16	50	LDR Biased	0.4967	0.4957	-0.001
17	50	LDR Biased	0.4892	0.4912	0.002
18	50	LDR Biased	0.4947	0.4947	0
19	50	LDR Biased	0.4947	0.4947	0
20	50	LDR Biased	0.4912	0.4912	0
21	100	LDR Biased	0.4957	0.4962	0.0005
22	100	LDR Biased	0.4882	0.4857	-0.0025
23	100	LDR Biased	0.4937	0.4942	0.0005
24	100	LDR Biased	0.4942	0.4937	-0.0005
25	100	LDR Biased	0.5018	0.4972	-0.0046
26	3	LDR Unbiased	0.4992	0.4992	0
27	3	LDR Unbiased	0.4952	0.4967	0.0015
28	3	LDR Unbiased	0.4902	0.4902	0
29	3	LDR Unbiased	0.4947	0.4942	-0.0005
30	3	LDR Unbiased	0.4877	0.4877	0
31	10	LDR Unbiased	0.4967	0.4962	-0.0005
32	10	LDR Unbiased	0.5098	0.5098	0
33	10	LDR Unbiased	0.4907	0.4907	0
34	10	LDR Unbiased	0.4952	0.4952	0
35	10	LDR Unbiased	0.4922	0.4907	-0.0015
36	30	LDR Unbiased	0.4917	0.4917	0
37	30	LDR Unbiased	0.5002	0.4998	-0.0004
38	30	LDR Unbiased	0.4927	0.4917	-0.001
39	30	LDR Unbiased	0.4947	0.4932	-0.0015
40	30	LDR Unbiased	0.4992	0.4972	-0.002
41	50	LDR Unbiased	0.4927	0.4912	-0.0015
42	50	LDR Unbiased	0.4967	0.4962	-0.0005
43	50	LDR Unbiased	0.4972	0.4952	-0.002
44	50	LDR Unbiased	0.4972	0.4962	-0.001
45	50	LDR Unbiased	0.5028	0.5013	-0.0015
46	100	LDR Unbiased	0.4887	0.4892	0.0005
47	100	LDR Unbiased	0.5048	0.5018	-0.003
48	100	LDR Unbiased	0.4897	0.4902	0.0005
49	100	LDR Unbiased	0.5008	0.5002	-0.0006
50	100	LDR Unbiased	0.4937	0.4952	0.0015
60	0	Correlation	0.4902	0.4902	0
61	0	Correlation	0.4912	0.4912	0
62	0	Correlation	0.4987	0.4987	0
63	0	Correlation	0.4962	0.4967	0.0005
64	0	Correlation	0.4862	0.4857	-0.0005
65	0	Correlation	0.4927	0.4932	0.0005

Test Statistics (V)

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	0.4862	0.49253	0.4987	0.004446	0.4857	0.49262	0.4987	0.0046842	-0.0005	8.3333e-05	0.0005	0.00037639
3	0.4877	0.49521	0.5008	0.0043283	0.4877	0.49531	0.5013	0.0044044	-0.0005	0.0001	0.0015	0.00061464
10	0.4897	0.49612	0.5098	0.0060906	0.4907	0.49601	0.5098	0.0060217	-0.0015	-0.00011	0.0015	0.00074454
30	0.4902	0.4958	0.5002	0.0036953	0.4877	0.49482	0.5008	0.0040903	-0.0025	-0.00098	0.0006	0.0010229
50	0.4892	0.49531	0.5028	0.0037843	0.4912	0.49476	0.5013	0.0030916	-0.002	-0.00055	0.002	0.0011414
100	0.4882	0.49513	0.5048	0.0057182	0.4857	0.49436	0.5018	0.0049554	-0.0046	-0.00077	0.0015	0.0019534

Device Test: 16.3 _THRESHOLD|HYST/FAULT/4.5////@FAULT_VTH_HYST





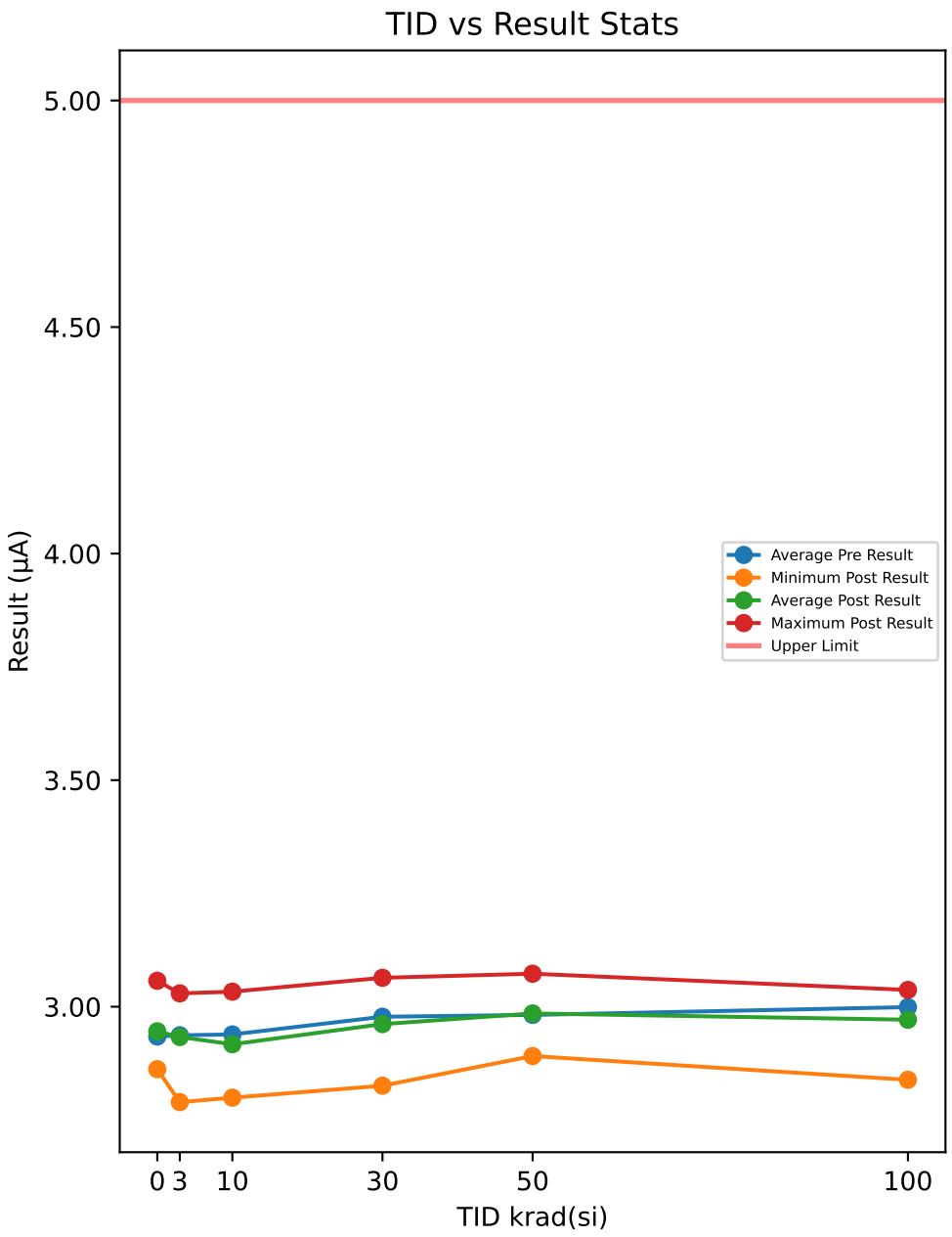
Test Results (Lower Limit = 90.0, Upper Limit = 110.0 (mV))

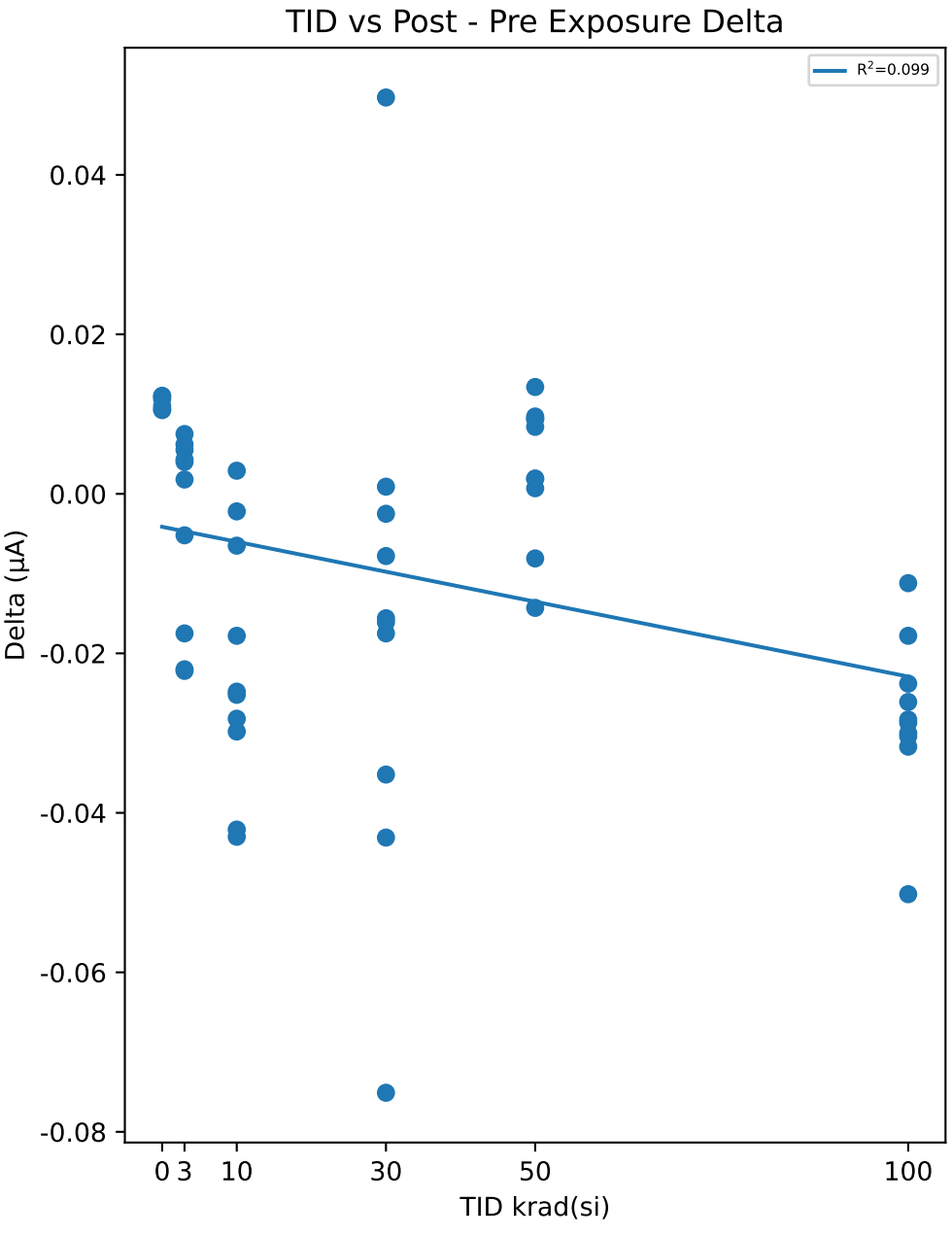
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	LDR Biased	104	104	0
2	3	LDR Biased	104	104	0
3	3	LDR Biased	104.51	104.5	-0.001
4	3	LDR Biased	104.51	105.01	0.5
5	3	LDR Biased	104.51	104.5	-0.001
6	10	LDR Biased	104.51	104.51	0
7	10	LDR Biased	104	103.5	-0.501
8	10	LDR Biased	104	104.51	0.501
9	10	LDR Biased	104.51	104.51	0
10	10	LDR Biased	104.51	104.51	0
11	30	LDR Biased	104	105.01	1.001
12	30	LDR Biased	104.5	105.51	1.002
13	30	LDR Biased	104	104.51	0.501
14	30	LDR Biased	105.01	105.01	0
15	30	LDR Biased	104	104.51	0.501
16	50	LDR Biased	103.5	104	0.501
17	50	LDR Biased	104.5	104	-0.5
18	50	LDR Biased	103.5	104	0.5
19	50	LDR Biased	104.51	104.51	0
20	50	LDR Biased	103.5	103.5	0
21	100	LDR Biased	104	104.51	0.501
22	100	LDR Biased	105.01	104.51	-0.501
23	100	LDR Biased	103.5	103	-0.501
24	100	LDR Biased	104	103.5	-0.5
25	100	LDR Biased	104	104.5	0.5
26	3	LDR Unbiased	104	104	0
27	3	LDR Unbiased	105.01	104.51	-0.5
28	3	LDR Unbiased	104	104	0
29	3	LDR Unbiased	103.5	103.5	-0.001
30	3	LDR Unbiased	104	104	0
31	10	LDR Unbiased	104.51	105.01	0.501
32	10	LDR Unbiased	104	104	0
33	10	LDR Unbiased	105.01	105.01	0
34	10	LDR Unbiased	104.51	104.51	0
35	10	LDR Unbiased	103.5	104	0.5
36	30	LDR Unbiased	104	104	0
37	30	LDR Unbiased	104.51	105.01	0.5
38	30	LDR Unbiased	104	104	0
39	30	LDR Unbiased	104	104	0
40	30	LDR Unbiased	104.51	105.01	0.5
41	50	LDR Unbiased	104	104	0
42	50	LDR Unbiased	104	104	0
43	50	LDR Unbiased	104	104.51	0.501
44	50	LDR Unbiased	103.5	104	0.501
45	50	LDR Unbiased	104	104	0
46	100	LDR Unbiased	105.01	104.5	-0.501
47	100	LDR Unbiased	103.5	103.5	0.001
48	100	LDR Unbiased	104.51	104	-0.501
49	100	LDR Unbiased	103.5	103.5	0.001
50	100	LDR Unbiased	104	104	0
60	0	Correlation	104	104	0
61	0	Correlation	104.51	104.51	0
62	0	Correlation	104	104	0
63	0	Correlation	104.51	104	-0.501
64	0	Correlation	104	104.51	0.501
65	0	Correlation	104	103.5	-0.501

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	104	104.17	104.51	0.25872	103.5	104.09	104.51	0.37714	-0.501	-0.0835	0.501	0.37714
3	103.5	104.21	105.01	0.42209	103.5	104.21	105.01	0.42211	-0.5	-0.0003	0.5	0.2357
10	103.5	104.31	105.01	0.42227	103.5	104.41	105.01	0.46039	-0.501	0.1001	0.501	0.31672
30	104	104.26	105.01	0.35395	104	104.66	105.51	0.53026	0	0.4005	1.002	0.39497
50	103.5	103.9	104.51	0.39491	103.5	104.06	104.51	0.28439	-0.5	0.1503	0.501	0.33782
100	103.5	104.11	105.01	0.56849	103	103.96	104.51	0.55067	-0.501	-0.1501	0.501	0.41227

Device Test: 16.4 _LEAK|POWERED/FAULT/4.5////@FAULT_LKG_CURR





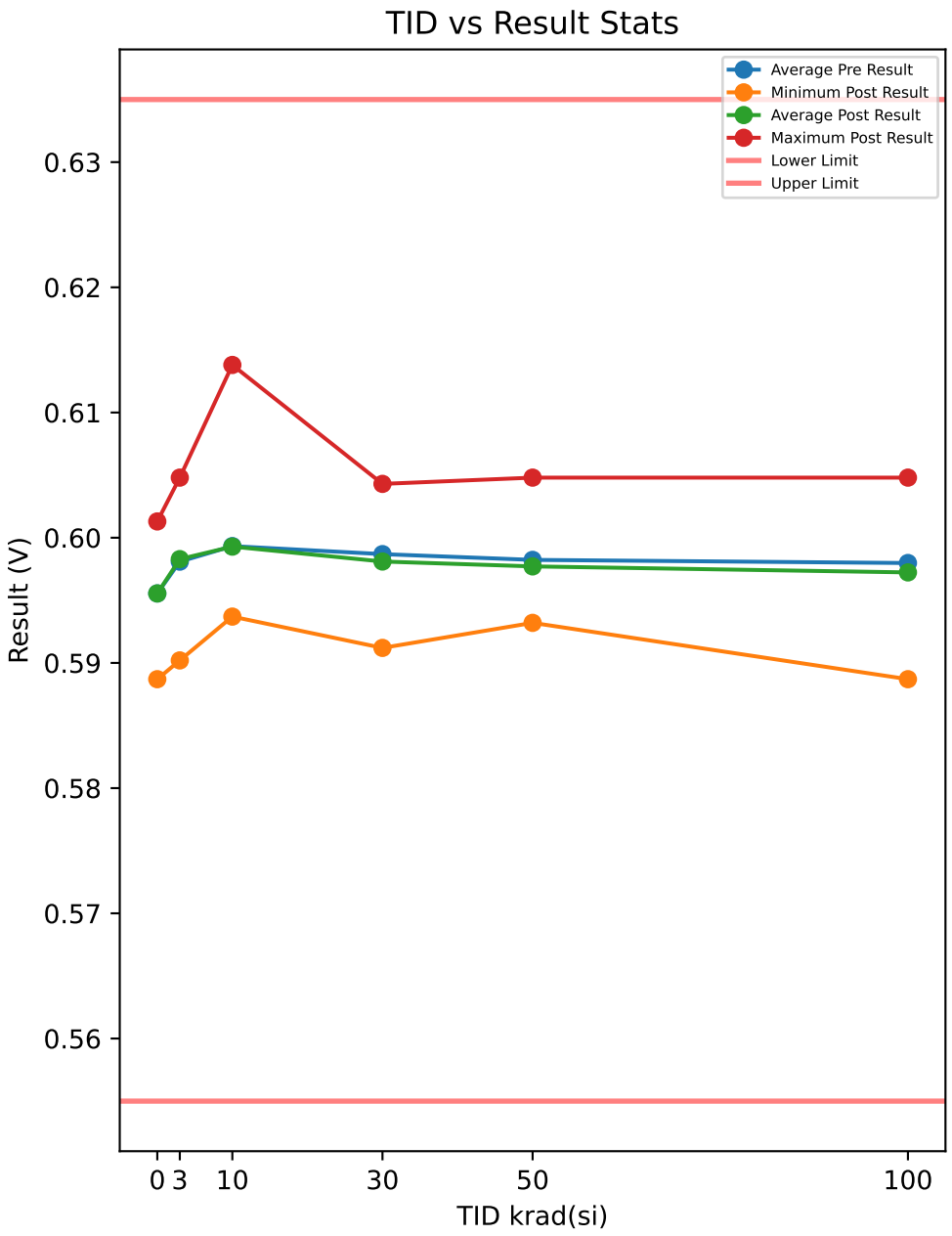
Test Results (Upper Limit = 5.0 (µA))

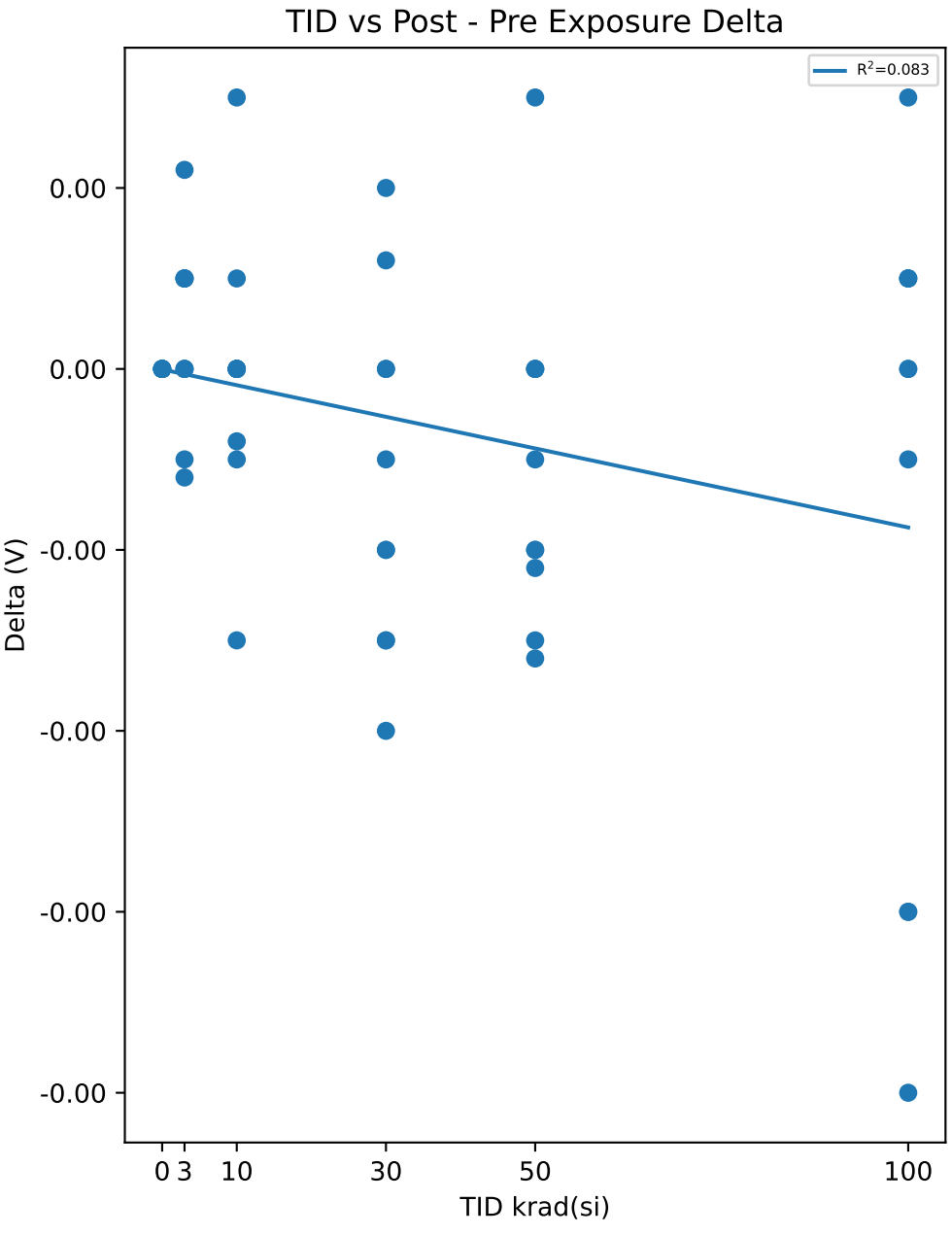
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	LDR Biased	3.0387	3.0212	-0.0175
2	3	LDR Biased	2.9494	2.9272	-0.0222
3	3	LDR Biased	2.9106	2.8886	-0.022
4	3	LDR Biased	2.9646	2.9594	-0.0052
5	3	LDR Biased	3.0232	3.0294	0.0062
6	10	LDR Biased	2.8274	2.7992	-0.0282
7	10	LDR Biased	2.9454	2.9024	-0.043
8	10	LDR Biased	3.0465	3.0044	-0.0421
9	10	LDR Biased	2.9737	2.9439	-0.0298
10	10	LDR Biased	2.8953	2.8705	-0.0248
11	30	LDR Biased	2.9038	2.9535	0.0497
12	30	LDR Biased	2.9658	2.8907	-0.0751
13	30	LDR Biased	3.0829	3.0398	-0.0431
14	30	LDR Biased	3.0148	2.9796	-0.0352
15	30	LDR Biased	3.0799	3.0638	-0.0161
16	50	LDR Biased	3.0082	2.9939	-0.0143
17	50	LDR Biased	2.9446	2.9365	-0.0081
18	50	LDR Biased	2.9283	2.9302	0.0019
19	50	LDR Biased	2.9994	3.0013	0.0019
20	50	LDR Biased	3.0095	3.0102	0.0007
21	100	LDR Biased	3.022	2.9718	-0.0502
22	100	LDR Biased	3.021	2.9906	-0.0304
23	100	LDR Biased	3.044	3.0157	-0.0283
24	100	LDR Biased	3.0299	2.9999	-0.03
25	100	LDR Biased	2.935	2.9112	-0.0238
26	3	LDR Unbiased	3.0232	3.0275	0.0043
27	3	LDR Unbiased	2.7876	2.7894	0.0018
28	3	LDR Unbiased	2.909	2.9145	0.0055
29	3	LDR Unbiased	2.8227	2.8267	0.004
30	3	LDR Unbiased	2.9398	2.9473	0.0075
31	10	LDR Unbiased	2.8727	2.8475	-0.0252
32	10	LDR Unbiased	2.9658	2.948	-0.0178
33	10	LDR Unbiased	2.9863	2.9798	-0.0065
34	10	LDR Unbiased	2.8441	2.8419	-0.0022
35	10	LDR Unbiased	3.0302	3.0331	0.0029
36	30	LDR Unbiased	2.8412	2.8256	-0.0156
37	30	LDR Unbiased	3.0355	3.018	-0.0175
38	30	LDR Unbiased	3.0221	3.0143	-0.0078
39	30	LDR Unbiased	2.9752	2.9727	-0.0025
40	30	LDR Unbiased	2.8567	2.8576	0.0009
41	50	LDR Unbiased	3.0465	3.0562	0.0097
42	50	LDR Unbiased	2.9641	2.9735	0.0094
43	50	LDR Unbiased	2.9717	2.9851	0.0134
44	50	LDR Unbiased	3.0634	3.0728	0.0094
45	50	LDR Unbiased	2.8827	2.8911	0.0084
46	100	LDR Unbiased	3.0117	2.98	-0.0317
47	100	LDR Unbiased	2.8673	2.8386	-0.0287
48	100	LDR Unbiased	3.0449	3.0188	-0.0261
49	100	LDR Unbiased	2.9667	2.9489	-0.0178
50	100	LDR Unbiased	3.0482	3.037	-0.0112
60	0	Correlation	3.0449	3.0572	0.0123
61	0	Correlation	2.8963	2.9069	0.0106
62	0	Correlation	2.8816	2.8926	0.011
63	0	Correlation	2.972	2.9825	0.0105
64	0	Correlation	2.8502	2.8621	0.0119
65	0	Correlation	2.9601	2.9723	0.0122

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	2.8502	2.9342	3.0449	0.071573	2.8621	2.9456	3.0572	0.071844	0.0105	0.011417	0.0123	0.00081343
3	2.7876	2.9369	3.0387	0.083661	2.7894	2.9331	3.0294	0.082443	-0.0222	-0.00376	0.0075	0.012163
10	2.8274	2.9387	3.0465	0.075894	2.7992	2.9171	3.0331	0.077078	-0.043	-0.02167	0.0029	0.015745
30	2.8412	2.9778	3.0829	0.086334	2.8256	2.9616	3.0638	0.07984	-0.0751	-0.01623	0.0497	0.032403
50	2.8827	2.9818	3.0634	0.054874	2.8911	2.9851	3.0728	0.05584	-0.0143	0.00324	0.0134	0.0087798
100	2.8673	2.9991	3.0482	0.058846	2.8386	2.9712	3.037	0.059192	-0.0502	-0.02782	-0.0112	0.010133

Device Test: 16.5 _THRESHOLD|RISE/FAULT/5////@FAULT_VTH_RISING





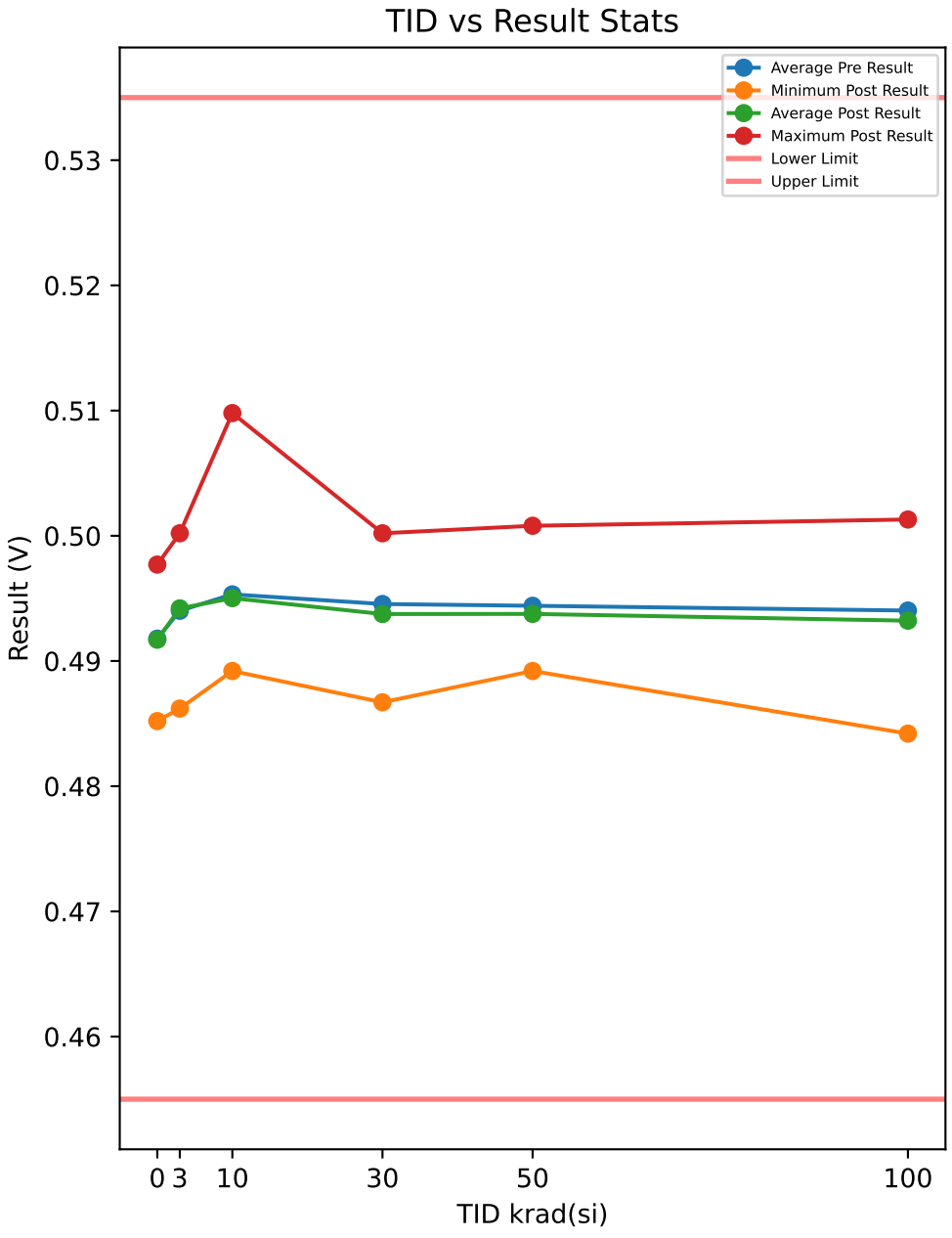
Test Results (Lower Limit = 0.555, Upper Limit = 0.635 (V))

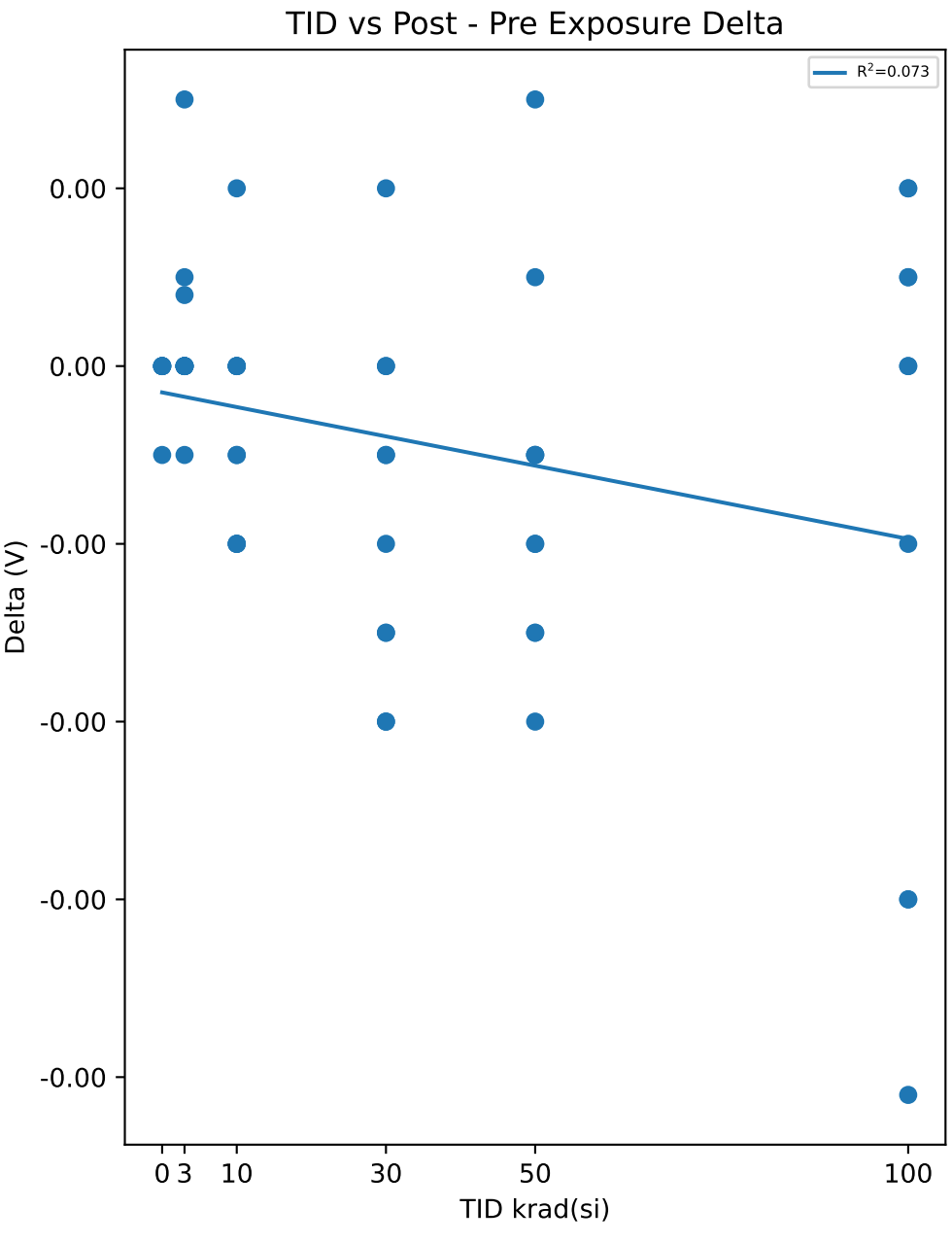
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	LDR Biased	0.6033	0.6033	0
2	3	LDR Biased	0.5962	0.5967	0.0005
3	3	LDR Biased	0.5962	0.5957	-0.0005
4	3	LDR Biased	0.6008	0.6002	-0.0006
5	3	LDR Biased	0.6043	0.6048	0.0005
6	10	LDR Biased	0.6043	0.6043	0
7	10	LDR Biased	0.6028	0.6023	-0.0005
8	10	LDR Biased	0.5937	0.5937	0
9	10	LDR Biased	0.5992	0.5992	0
10	10	LDR Biased	0.5922	0.5937	0.0015
11	30	LDR Biased	0.6023	0.6008	-0.0015
12	30	LDR Biased	0.5932	0.5912	-0.002
13	30	LDR Biased	0.6033	0.6043	0.001
14	30	LDR Biased	0.5967	0.5962	-0.0005
15	30	LDR Biased	0.5992	0.5998	0.0006
16	50	LDR Biased	0.5987	0.5987	0
17	50	LDR Biased	0.5917	0.5932	0.0015
18	50	LDR Biased	0.5977	0.5977	0
19	50	LDR Biased	0.5982	0.5982	0
20	50	LDR Biased	0.5942	0.5937	-0.0005
21	100	LDR Biased	0.5987	0.5992	0.0005
22	100	LDR Biased	0.5917	0.5887	-0.003
23	100	LDR Biased	0.5962	0.5962	0
24	100	LDR Biased	0.5962	0.5957	-0.0005
25	100	LDR Biased	0.6053	0.6013	-0.004
26	3	LDR Unbiased	0.6028	0.6028	0
27	3	LDR Unbiased	0.5987	0.5998	0.0011
28	3	LDR Unbiased	0.5917	0.5922	0.0005
29	3	LDR Unbiased	0.5972	0.5972	0
30	3	LDR Unbiased	0.5897	0.5902	0.0005
31	10	LDR Unbiased	0.6002	0.5998	-0.0004
32	10	LDR Unbiased	0.6133	0.6138	0.0005
33	10	LDR Unbiased	0.5942	0.5942	0
34	10	LDR Unbiased	0.5982	0.5982	0
35	10	LDR Unbiased	0.5952	0.5937	-0.0015
36	30	LDR Unbiased	0.5942	0.5942	0
37	30	LDR Unbiased	0.6033	0.6033	0
38	30	LDR Unbiased	0.5957	0.5947	-0.001
39	30	LDR Unbiased	0.5967	0.5957	-0.001
40	30	LDR Unbiased	0.6023	0.6008	-0.0015
41	50	LDR Unbiased	0.5952	0.5937	-0.0015
42	50	LDR Unbiased	0.5998	0.5987	-0.0011
43	50	LDR Unbiased	0.6008	0.5992	-0.0016
44	50	LDR Unbiased	0.6002	0.5992	-0.001
45	50	LDR Unbiased	0.6058	0.6048	-0.001
46	100	LDR Unbiased	0.5917	0.5922	0.0005
47	100	LDR Unbiased	0.6078	0.6048	-0.003
48	100	LDR Unbiased	0.5922	0.5927	0.0005
49	100	LDR Unbiased	0.6033	0.6033	0
50	100	LDR Unbiased	0.5967	0.5982	0.0015
60	0	Correlation	0.5932	0.5932	0
61	0	Correlation	0.5942	0.5942	0
62	0	Correlation	0.6013	0.6013	0
63	0	Correlation	0.6002	0.6002	0
64	0	Correlation	0.5887	0.5887	0
65	0	Correlation	0.5957	0.5957	0

Test Statistics (V)

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	0.5887	0.59555	0.6013	0.0046685	0.5887	0.59555	0.6013	0.0046685	0	0	0	0
3	0.5897	0.59809	0.6043	0.004885	0.5902	0.59829	0.6048	0.0047925	-0.0006	0.0002	0.0011	0.00051854
10	0.5922	0.59933	0.6133	0.0063233	0.5937	0.59929	0.6138	0.0063754	-0.0015	-4e-05	0.0015	0.00075601
30	0.5932	0.59869	0.6033	0.0038871	0.5912	0.5981	0.6043	0.0043037	-0.002	-0.00059	0.001	0.00097917
50	0.5917	0.59823	0.6058	0.0039274	0.5932	0.59771	0.6048	0.0034866	-0.0016	-0.00052	0.0015	0.0009319
100	0.5917	0.59798	0.6078	0.0057648	0.5887	0.59723	0.6048	0.0051372	-0.004	-0.00075	0.0015	0.0018745

Device Test: 16.6 _THRESHOLD|FALL/FAULT/5////@FAULT_VTH_FALLING





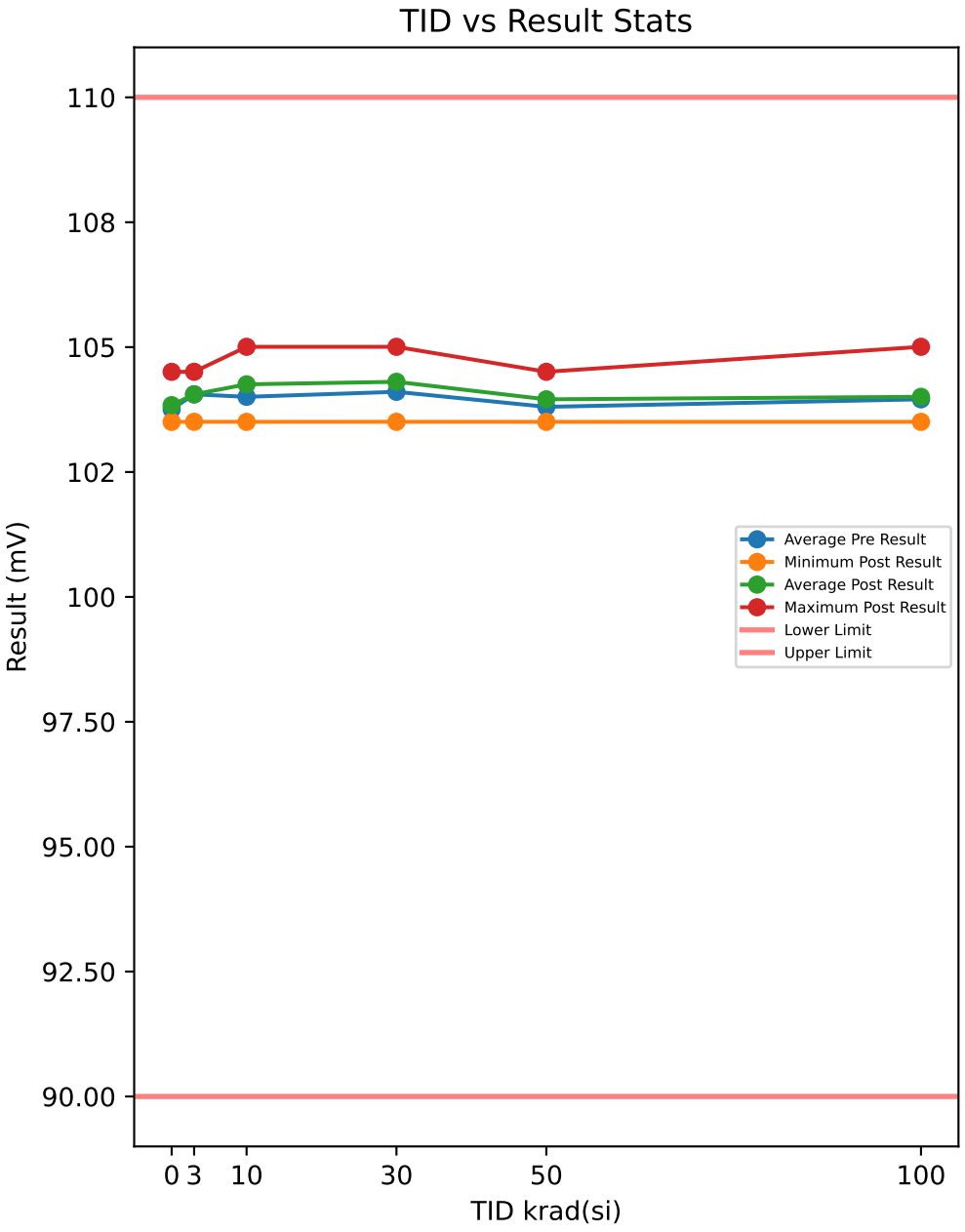
Test Results (Lower Limit = 0.455, Upper Limit = 0.535 (V))

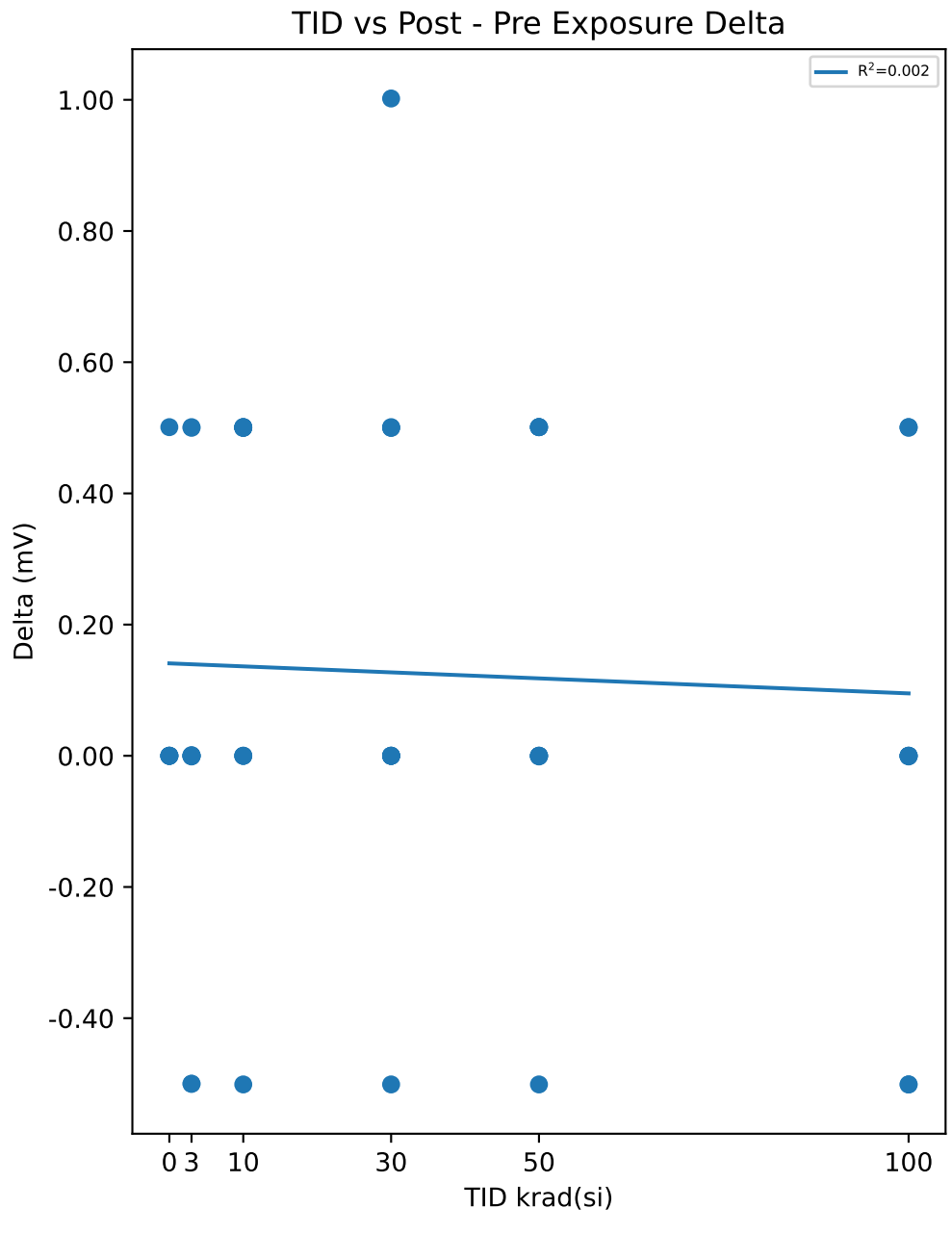
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	LDR Biased	0.4992	0.4992	0
2	3	LDR Biased	0.4922	0.4927	0.0005
3	3	LDR Biased	0.4917	0.4917	0
4	3	LDR Biased	0.4962	0.4957	-0.0005
5	3	LDR Biased	0.4998	0.5002	0.0004
6	10	LDR Biased	0.4998	0.4998	0
7	10	LDR Biased	0.4992	0.4982	-0.001
8	10	LDR Biased	0.4897	0.4897	0
9	10	LDR Biased	0.4952	0.4947	-0.0005
10	10	LDR Biased	0.4882	0.4892	0.001
11	30	LDR Biased	0.4977	0.4962	-0.0015
12	30	LDR Biased	0.4887	0.4867	-0.002
13	30	LDR Biased	0.4992	0.5002	0.001
14	30	LDR Biased	0.4927	0.4917	-0.001
15	30	LDR Biased	0.4957	0.4957	0
16	50	LDR Biased	0.4952	0.4947	-0.0005
17	50	LDR Biased	0.4877	0.4892	0.0015
18	50	LDR Biased	0.4937	0.4942	0.0005
19	50	LDR Biased	0.4942	0.4937	-0.0005
20	50	LDR Biased	0.4907	0.4902	-0.0005
21	100	LDR Biased	0.4947	0.4957	0.001
22	100	LDR Biased	0.4872	0.4842	-0.003
23	100	LDR Biased	0.4922	0.4927	0.0005
24	100	LDR Biased	0.4927	0.4917	-0.001
25	100	LDR Biased	0.5008	0.4967	-0.0041
26	3	LDR Unbiased	0.4987	0.4987	0
27	3	LDR Unbiased	0.4942	0.4957	0.0015
28	3	LDR Unbiased	0.4882	0.4882	0
29	3	LDR Unbiased	0.4937	0.4937	0
30	3	LDR Unbiased	0.4862	0.4862	0
31	10	LDR Unbiased	0.4962	0.4952	-0.001
32	10	LDR Unbiased	0.5098	0.5098	0
33	10	LDR Unbiased	0.4897	0.4892	-0.0005
34	10	LDR Unbiased	0.4942	0.4942	0
35	10	LDR Unbiased	0.4912	0.4902	-0.001
36	30	LDR Unbiased	0.4907	0.4907	0
37	30	LDR Unbiased	0.4987	0.4982	-0.0005
38	30	LDR Unbiased	0.4912	0.4907	-0.0005
39	30	LDR Unbiased	0.4932	0.4912	-0.002
40	30	LDR Unbiased	0.4977	0.4962	-0.0015
41	50	LDR Unbiased	0.4917	0.4902	-0.0015
42	50	LDR Unbiased	0.4957	0.4947	-0.001
43	50	LDR Unbiased	0.4967	0.4947	-0.002
44	50	LDR Unbiased	0.4967	0.4952	-0.0015
45	50	LDR Unbiased	0.5018	0.5008	-0.001
46	100	LDR Unbiased	0.4872	0.4872	0
47	100	LDR Unbiased	0.5043	0.5013	-0.003
48	100	LDR Unbiased	0.4882	0.4887	0.0005
49	100	LDR Unbiased	0.4998	0.4998	0
50	100	LDR Unbiased	0.4932	0.4942	0.001
60	0	Correlation	0.4902	0.4897	-0.0005
61	0	Correlation	0.4902	0.4902	0
62	0	Correlation	0.4977	0.4977	0
63	0	Correlation	0.4957	0.4957	0
64	0	Correlation	0.4852	0.4852	0
65	0	Correlation	0.4917	0.4917	0

Test Statistics (V)

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	0.4852	0.49178	0.4977	0.0044432	0.4852	0.4917	0.4977	0.0044833	-0.0005	-8.3333e-05	0	0.00020412
3	0.4862	0.49401	0.4998	0.0046037	0.4862	0.4942	0.5002	0.0046488	-0.0005	0.00019	0.0015	0.00053219
10	0.4882	0.49532	0.5098	0.006478	0.4892	0.49502	0.5098	0.0064247	-0.001	-0.0003	0.001	0.00063246
30	0.4887	0.49455	0.4992	0.0037346	0.4867	0.49375	0.5002	0.0041663	-0.002	-0.0008	0.001	0.00097753
50	0.4877	0.49441	0.5018	0.0038596	0.4892	0.49376	0.5008	0.0033437	-0.002	-0.00065	0.0015	0.0010288
100	0.4872	0.49403	0.5043	0.0059455	0.4842	0.49322	0.5013	0.0054611	-0.0041	-0.00081	0.001	0.0018782

Device Test: 16.7 _THRESHOLD|HYST/FAULT/5////@FAULT_VTH_HYST





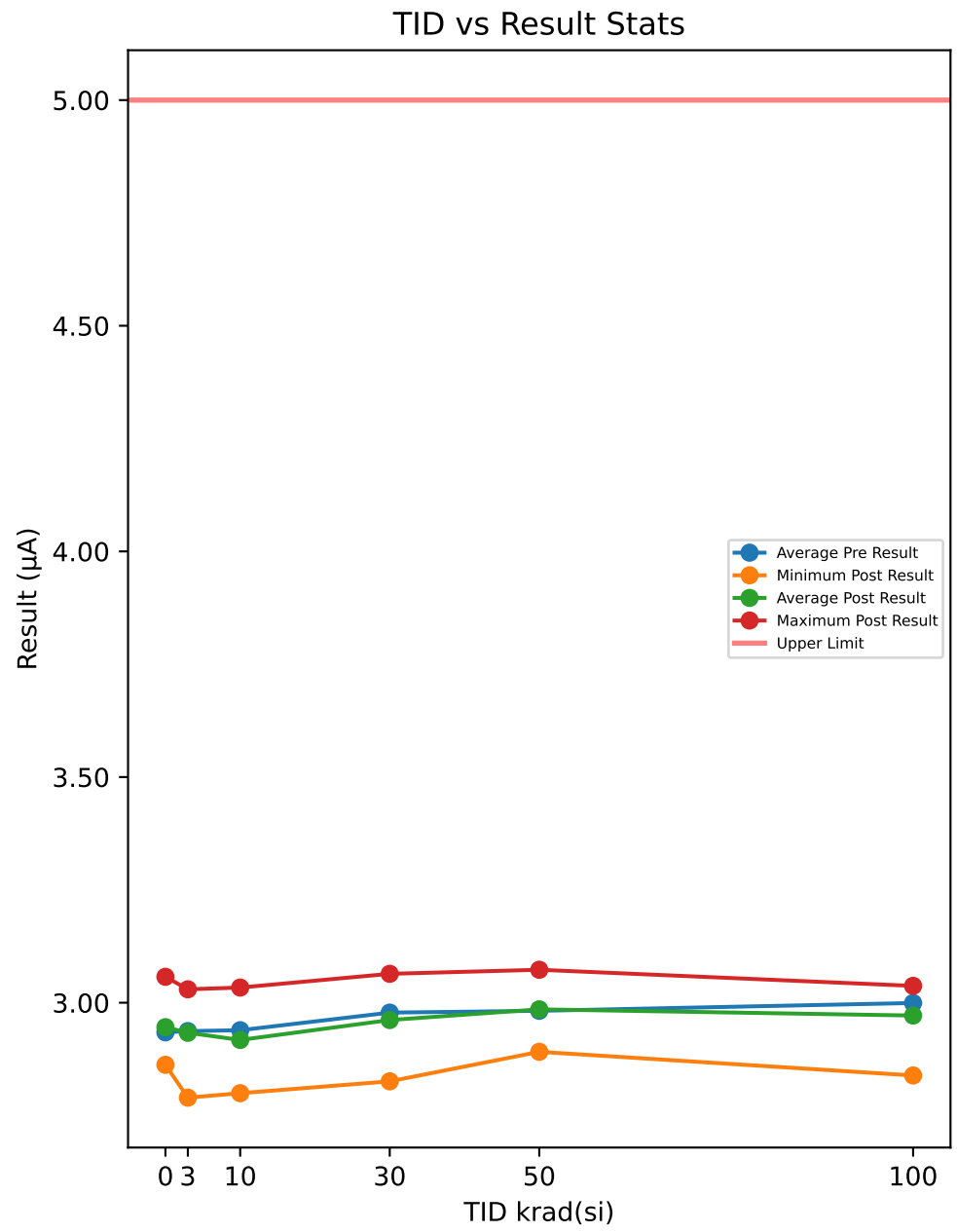
Test Results (Lower Limit = 90.0, Upper Limit = 110.0 (mV))

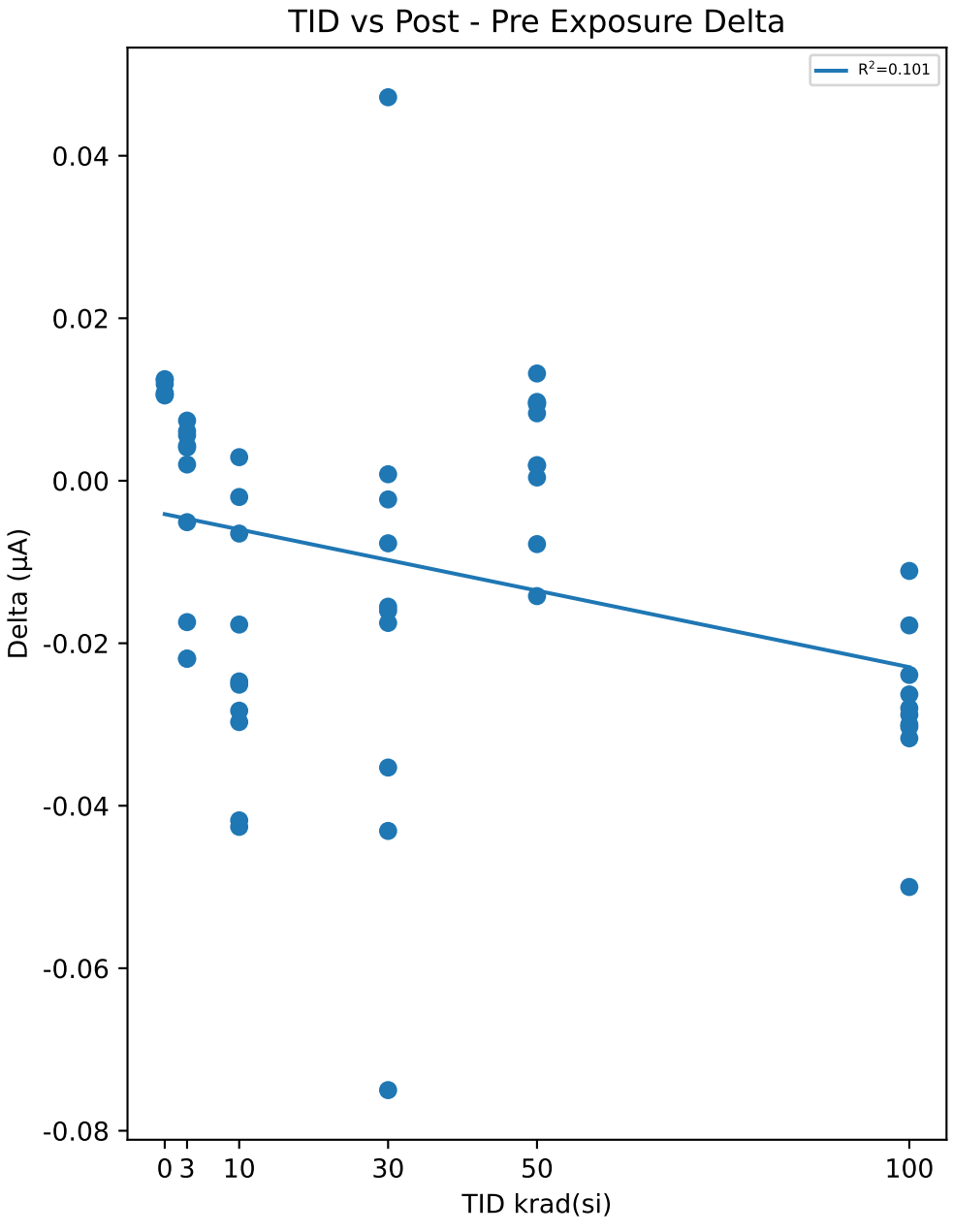
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	LDR Biased	104	104	0
2	3	LDR Biased	104	104	0
3	3	LDR Biased	104.5	104	-0.5
4	3	LDR Biased	104.51	104.5	-0.001
5	3	LDR Biased	104.5	104.51	0.001
6	10	LDR Biased	104.5	104.5	0
7	10	LDR Biased	103.5	104	0.501
8	10	LDR Biased	104	104	0
9	10	LDR Biased	104	104.51	0.501
10	10	LDR Biased	104	104.5	0.5
11	30	LDR Biased	104.51	104.51	0
12	30	LDR Biased	104.51	104.51	0
13	30	LDR Biased	104	104	0
14	30	LDR Biased	104	104.5	0.5
15	30	LDR Biased	103.5	104	0.501
16	50	LDR Biased	103.5	104	0.501
17	50	LDR Biased	104	104	0
18	50	LDR Biased	104	103.5	-0.501
19	50	LDR Biased	104	104.51	0.501
20	50	LDR Biased	103.5	103.5	-0.001
21	100	LDR Biased	104	103.5	-0.501
22	100	LDR Biased	104.51	104.51	0
23	100	LDR Biased	104	103.5	-0.501
24	100	LDR Biased	103.5	104	0.501
25	100	LDR Biased	104.51	104.51	0
26	3	LDR Unbiased	104	104	0
27	3	LDR Unbiased	104.5	104	-0.5
28	3	LDR Unbiased	103.5	104	0.5
29	3	LDR Unbiased	103.5	103.5	0
30	3	LDR Unbiased	103.5	104	0.501
31	10	LDR Unbiased	104	104.51	0.501
32	10	LDR Unbiased	103.5	104	0.5
33	10	LDR Unbiased	104.51	105.01	0.5
34	10	LDR Unbiased	104	104	0
35	10	LDR Unbiased	104	103.5	-0.501
36	30	LDR Unbiased	103.5	103.5	0
37	30	LDR Unbiased	104.51	105.01	0.5
38	30	LDR Unbiased	104.51	104	-0.501
39	30	LDR Unbiased	103.5	104.51	1.002
40	30	LDR Unbiased	104.51	104.51	0
41	50	LDR Unbiased	103.5	103.5	0
42	50	LDR Unbiased	104	104	0
43	50	LDR Unbiased	104	104.51	0.501
44	50	LDR Unbiased	103.5	104	0.501
45	50	LDR Unbiased	104	104	0
46	100	LDR Unbiased	104.51	105.01	0.5
47	100	LDR Unbiased	103.5	103.5	-0.001
48	100	LDR Unbiased	104	104	0
49	100	LDR Unbiased	103.5	103.5	0
50	100	LDR Unbiased	103.5	104	0.501
60	0	Correlation	103	103.5	0.501
61	0	Correlation	104	104	0
62	0	Correlation	103.5	103.5	0
63	0	Correlation	104.5	104.5	0
64	0	Correlation	103.5	103.5	0
65	0	Correlation	104	104	0

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	103	103.75	104.5	0.52479	103.5	103.84	104.5	0.40841	0	0.0835	0.501	0.20453
3	103.5	104.05	104.51	0.43805	103.5	104.06	104.51	0.284	-0.5	0.0001	0.501	0.3335
10	103.5	104	104.51	0.33367	103.5	104.26	105.01	0.42544	-0.501	0.2502	0.501	0.35403
30	103.5	104.11	104.51	0.46024	103.5	104.31	105.01	0.42203	-0.501	0.2002	1.002	0.42232
50	103.5	103.8	104	0.25859	103.5	103.95	104.51	0.36967	-0.501	0.1502	0.501	0.3382
100	103.5	103.95	104.51	0.43856	103.5	104	105.01	0.52789	-0.501	0.0499	0.501	0.36955

Device Test: 16.8 _LEAK|POWERED/FAULT/5////@FAULT_LKG_CURR





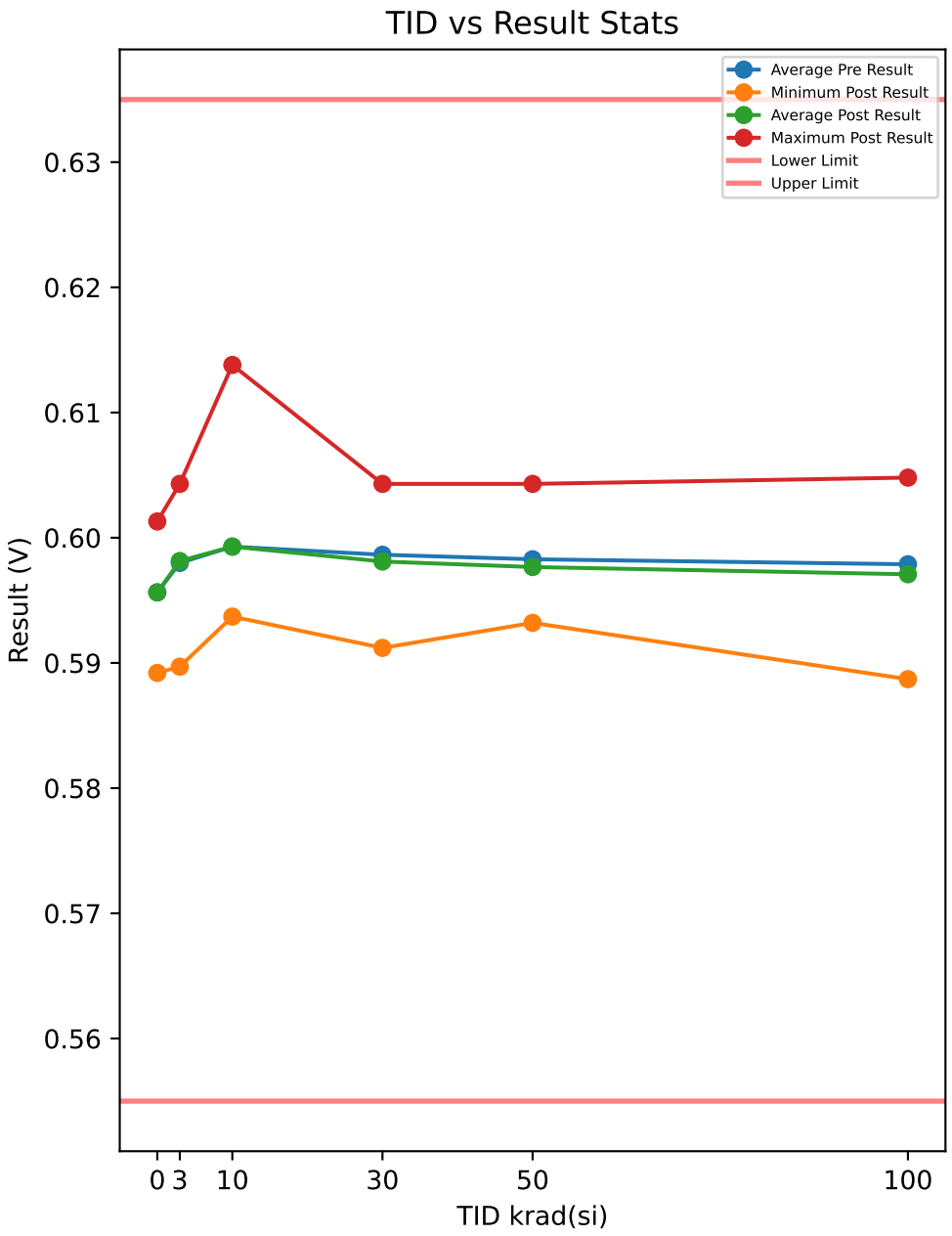
Test Results (Upper Limit = 5.0 (µA))

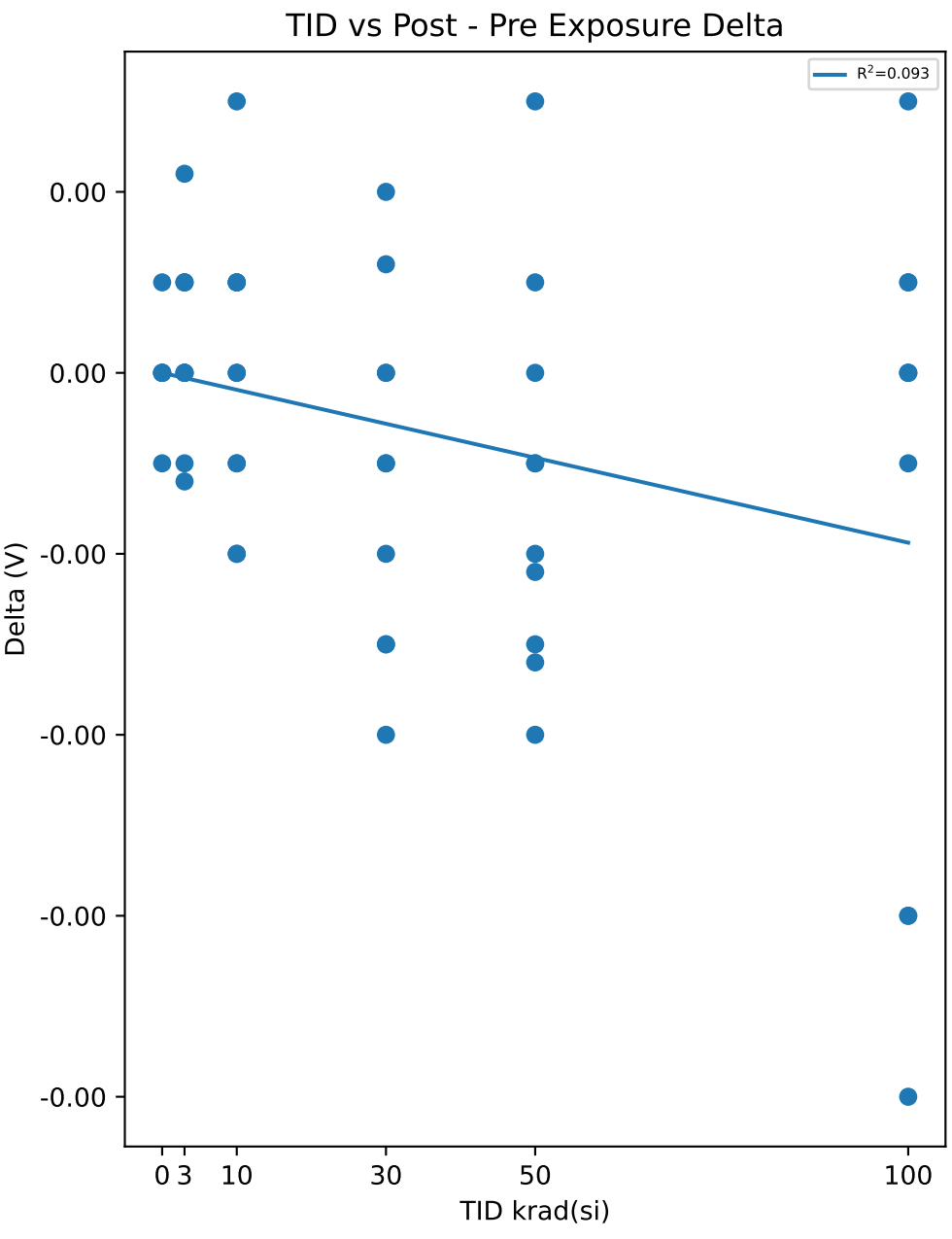
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	LDR Biased	3.0389	3.0215	-0.0174
2	3	LDR Biased	2.9496	2.9277	-0.0219
3	3	LDR Biased	2.9107	2.8888	-0.0219
4	3	LDR Biased	2.9649	2.9598	-0.0051
5	3	LDR Biased	3.0236	3.0297	0.0061
6	10	LDR Biased	2.8278	2.7995	-0.0283
7	10	LDR Biased	2.9455	2.9029	-0.0426
8	10	LDR Biased	3.0467	3.0049	-0.0418
9	10	LDR Biased	2.9739	2.9442	-0.0297
10	10	LDR Biased	2.8956	2.8709	-0.0247
11	30	LDR Biased	2.904	2.9512	0.0472
12	30	LDR Biased	2.9661	2.8911	-0.075
13	30	LDR Biased	3.0833	3.0402	-0.0431
14	30	LDR Biased	3.0152	2.9799	-0.0353
15	30	LDR Biased	3.08	3.064	-0.016
16	50	LDR Biased	3.0084	2.9942	-0.0142
17	50	LDR Biased	2.9447	2.9369	-0.0078
18	50	LDR Biased	2.9285	2.9304	0.0019
19	50	LDR Biased	2.9996	3.0015	0.0019
20	50	LDR Biased	3.01	3.0104	0.0004
21	100	LDR Biased	3.0223	2.9723	-0.05
22	100	LDR Biased	3.0212	2.9909	-0.0303
23	100	LDR Biased	3.0442	3.0162	-0.028
24	100	LDR Biased	3.0301	3.0001	-0.03
25	100	LDR Biased	2.9356	2.9117	-0.0239
26	3	LDR Unbiased	3.0233	3.0276	0.0043
27	3	LDR Unbiased	2.7876	2.7896	0.002
28	3	LDR Unbiased	2.9092	2.9148	0.0056
29	3	LDR Unbiased	2.8229	2.827	0.0041
30	3	LDR Unbiased	2.9401	2.9475	0.0074
31	10	LDR Unbiased	2.8729	2.8478	-0.0251
32	10	LDR Unbiased	2.9661	2.9484	-0.0177
33	10	LDR Unbiased	2.9867	2.9802	-0.0065
34	10	LDR Unbiased	2.8444	2.8424	-0.002
35	10	LDR Unbiased	3.0307	3.0336	0.0029
36	30	LDR Unbiased	2.8413	2.8258	-0.0155
37	30	LDR Unbiased	3.0358	3.0183	-0.0175
38	30	LDR Unbiased	3.0224	3.0147	-0.0077
39	30	LDR Unbiased	2.9753	2.973	-0.0023
40	30	LDR Unbiased	2.857	2.8578	0.0008
41	50	LDR Unbiased	3.0466	3.0563	0.0097
42	50	LDR Unbiased	2.9644	2.9738	0.0094
43	50	LDR Unbiased	2.9721	2.9853	0.0132
44	50	LDR Unbiased	3.0634	3.073	0.0096
45	50	LDR Unbiased	2.8829	2.8912	0.0083
46	100	LDR Unbiased	3.012	2.9803	-0.0317
47	100	LDR Unbiased	2.8676	2.8388	-0.0288
48	100	LDR Unbiased	3.0453	3.019	-0.0263
49	100	LDR Unbiased	2.9669	2.9491	-0.0178
50	100	LDR Unbiased	3.0484	3.0373	-0.0111
60	0	Correlation	3.0449	3.0574	0.0125
61	0	Correlation	2.8965	2.907	0.0105
62	0	Correlation	2.8818	2.8926	0.0108
63	0	Correlation	2.9721	2.9827	0.0106
64	0	Correlation	2.8505	2.8624	0.0119
65	0	Correlation	2.9603	2.9727	0.0124

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	2.8505	2.9344	3.0449	0.071477	2.8624	2.9458	3.0574	0.071876	0.0105	0.01145	0.0125	0.0009225
3	2.7876	2.9371	3.0389	0.08372	2.7896	2.9334	3.0297	0.082443	-0.0219	-0.00368	0.0074	0.012089
10	2.8278	2.939	3.0467	0.075899	2.7995	2.9175	3.0336	0.077117	-0.0426	-0.02155	0.0029	0.015667
30	2.8413	2.978	3.0833	0.086372	2.8258	2.9616	3.064	0.079901	-0.075	-0.01644	0.0472	0.031836
50	2.8829	2.9821	3.0634	0.054845	2.8912	2.9853	3.073	0.055825	-0.0142	0.00324	0.0132	0.008709
100	2.8676	2.9994	3.0484	0.058797	2.8388	2.9716	3.0373	0.059202	-0.05	-0.02779	-0.0111	0.010091

Device Test: 16.9 _THRESHOLD|RISE/FAULT/12////@FAULT_VTH_RISING





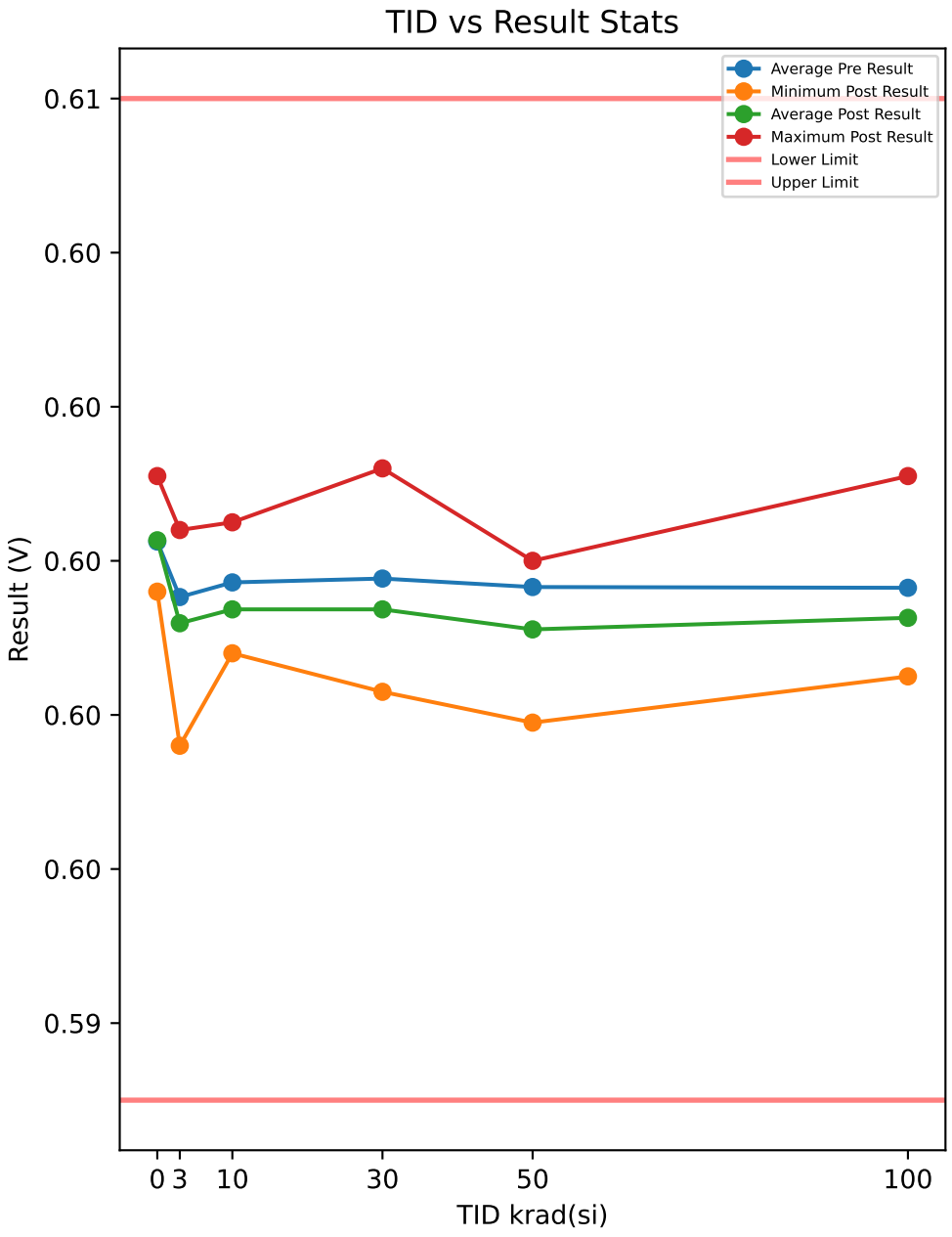
Test Results (Lower Limit = 0.555, Upper Limit = 0.635 (V))

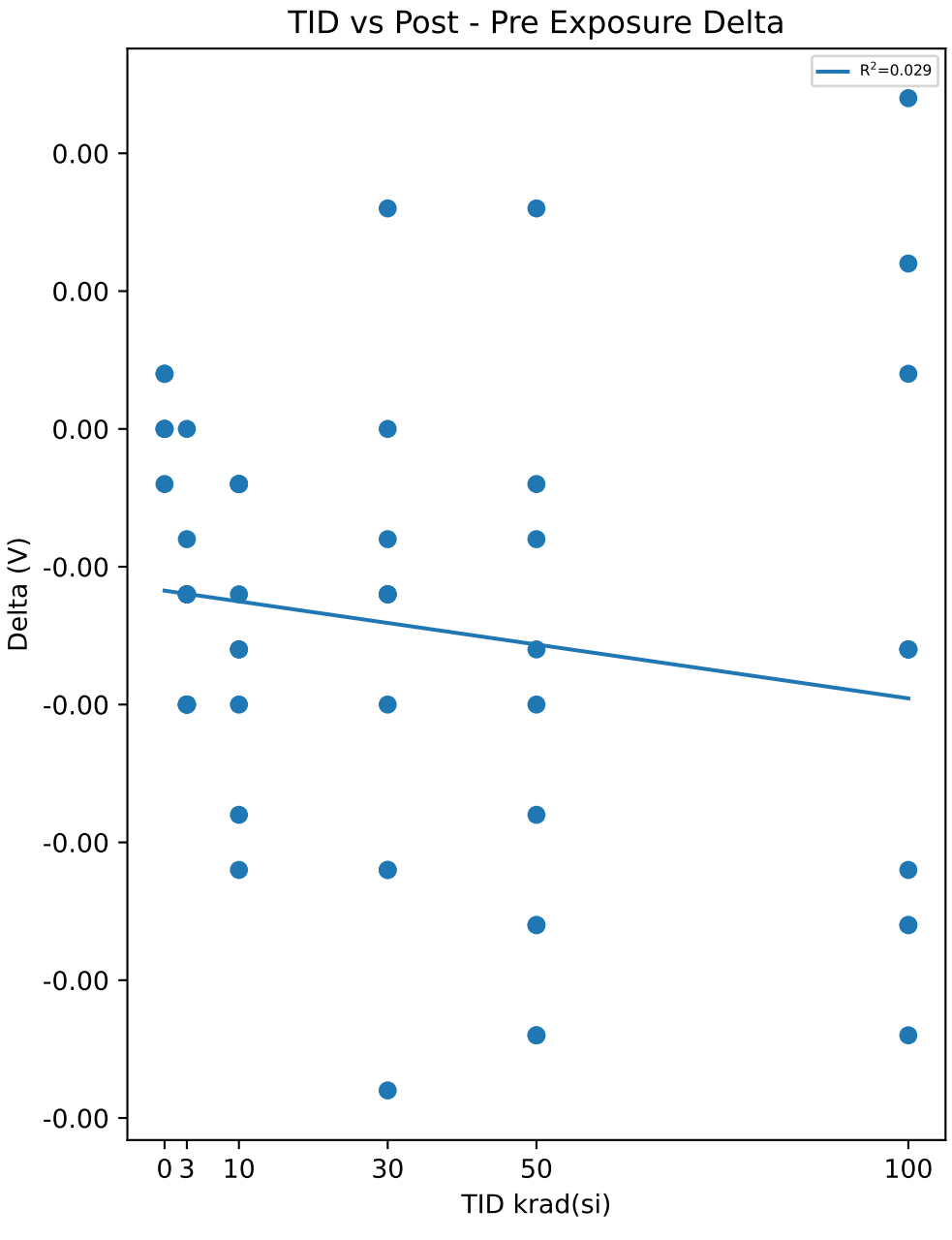
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	LDR Biased	0.6028	0.6033	0.0005
2	3	LDR Biased	0.5962	0.5967	0.0005
3	3	LDR Biased	0.5957	0.5957	0
4	3	LDR Biased	0.6008	0.6002	-0.0006
5	3	LDR Biased	0.6038	0.6043	0.0005
6	10	LDR Biased	0.6043	0.6043	0
7	10	LDR Biased	0.6028	0.6023	-0.0005
8	10	LDR Biased	0.5932	0.5937	0.0005
9	10	LDR Biased	0.5992	0.5992	0
10	10	LDR Biased	0.5922	0.5937	0.0015
11	30	LDR Biased	0.6023	0.6008	-0.0015
12	30	LDR Biased	0.5932	0.5912	-0.002
13	30	LDR Biased	0.6033	0.6043	0.001
14	30	LDR Biased	0.5967	0.5962	-0.0005
15	30	LDR Biased	0.5992	0.5998	0.0006
16	50	LDR Biased	0.5992	0.5987	-0.0005
17	50	LDR Biased	0.5917	0.5932	0.0015
18	50	LDR Biased	0.5972	0.5977	0.0005
19	50	LDR Biased	0.5982	0.5982	0
20	50	LDR Biased	0.5942	0.5937	-0.0005
21	100	LDR Biased	0.5987	0.5992	0.0005
22	100	LDR Biased	0.5917	0.5887	-0.003
23	100	LDR Biased	0.5957	0.5962	0.0005
24	100	LDR Biased	0.5962	0.5957	-0.0005
25	100	LDR Biased	0.6048	0.6008	-0.004
26	3	LDR Unbiased	0.6028	0.6028	0
27	3	LDR Unbiased	0.5987	0.5998	0.0011
28	3	LDR Unbiased	0.5917	0.5917	0
29	3	LDR Unbiased	0.5977	0.5972	-0.0005
30	3	LDR Unbiased	0.5897	0.5897	0
31	10	LDR Unbiased	0.6008	0.5998	-0.001
32	10	LDR Unbiased	0.6133	0.6138	0.0005
33	10	LDR Unbiased	0.5942	0.5937	-0.0005
34	10	LDR Unbiased	0.5982	0.5987	0.0005
35	10	LDR Unbiased	0.5947	0.5937	-0.001
36	30	LDR Unbiased	0.5942	0.5942	0
37	30	LDR Unbiased	0.6033	0.6033	0
38	30	LDR Unbiased	0.5952	0.5947	-0.0005
39	30	LDR Unbiased	0.5967	0.5957	-0.001
40	30	LDR Unbiased	0.6023	0.6008	-0.0015
41	50	LDR Unbiased	0.5957	0.5937	-0.002
42	50	LDR Unbiased	0.5998	0.5987	-0.0011
43	50	LDR Unbiased	0.6008	0.5992	-0.0016
44	50	LDR Unbiased	0.6002	0.5992	-0.001
45	50	LDR Unbiased	0.6058	0.6043	-0.0015
46	100	LDR Unbiased	0.5917	0.5917	0
47	100	LDR Unbiased	0.6078	0.6048	-0.003
48	100	LDR Unbiased	0.5922	0.5922	0
49	100	LDR Unbiased	0.6033	0.6033	0
50	100	LDR Unbiased	0.5967	0.5982	0.0015
60	0	Correlation	0.5932	0.5937	0.0005
61	0	Correlation	0.5942	0.5937	-0.0005
62	0	Correlation	0.6013	0.6013	0
63	0	Correlation	0.6002	0.6002	0
64	0	Correlation	0.5892	0.5892	0
65	0	Correlation	0.5957	0.5957	0

Test Statistics (V)

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	0.5892	0.59563	0.6013	0.004524	0.5892	0.59563	0.6013	0.0045129	-0.0005	1.8504e-17	0.0005	0.00031623
3	0.5897	0.59799	0.6038	0.0047755	0.5897	0.59814	0.6043	0.0048865	-0.0006	0.00015	0.0011	0.00051045
10	0.5922	0.59929	0.6133	0.0064249	0.5937	0.59929	0.6138	0.0064145	-0.001	2.2204e-17	0.0015	0.00078174
30	0.5932	0.59864	0.6033	0.0039328	0.5912	0.5981	0.6043	0.0043037	-0.002	-0.00054	0.001	0.00096862
50	0.5917	0.59828	0.6058	0.0039089	0.5932	0.59766	0.6043	0.0033755	-0.002	-0.00062	0.0015	0.0010633
100	0.5917	0.59788	0.6078	0.005715	0.5887	0.59708	0.6048	0.0052019	-0.004	-0.0008	0.0015	0.0018439

Device Test: 17.1 _LEVEL|STATIC/VSNSP/4.5////@VREF_PLUS_OFFSET





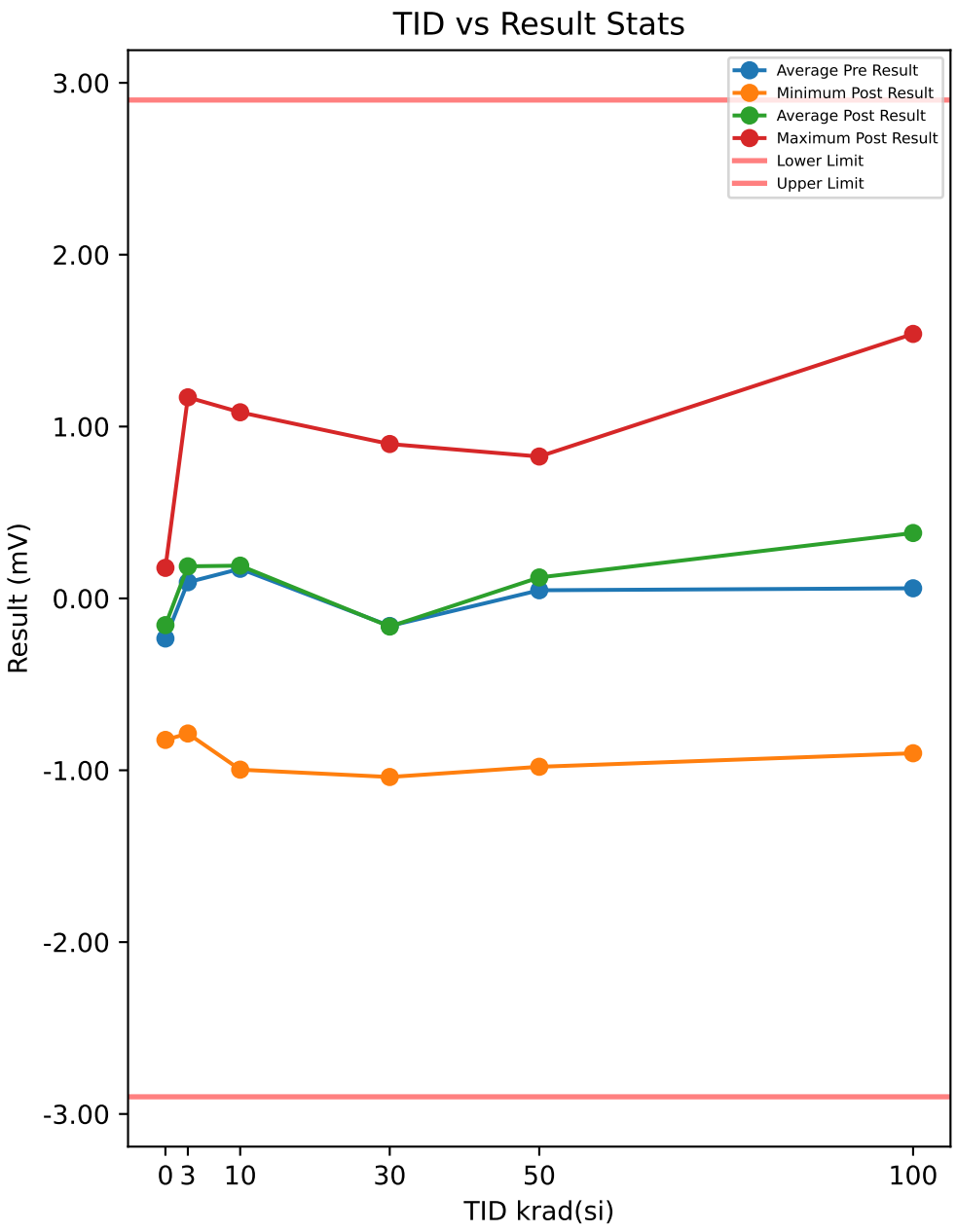
Test Results (Lower Limit = 0.593, Upper Limit = 0.606 (V))

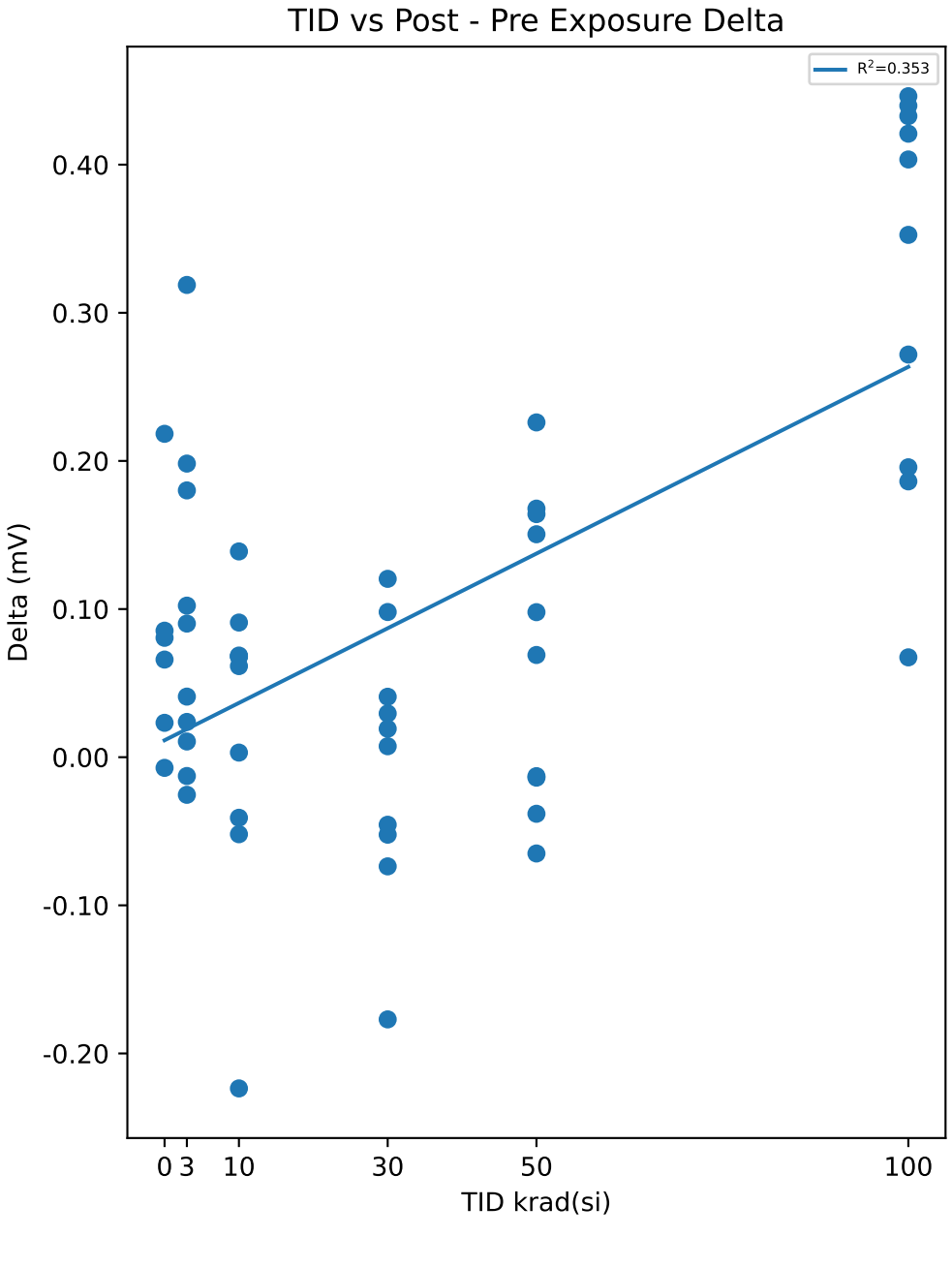
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	LDR Biased	0.5992	0.5987	-0.0005
2	3	LDR Biased	0.6004	0.5999	-0.0005
3	3	LDR Biased	0.5981	0.5976	-0.0005
4	3	LDR Biased	0.5987	0.5987	0
5	3	LDR Biased	0.5998	0.5995	-0.0003
6	10	LDR Biased	0.5997	0.5996	-0.0001
7	10	LDR Biased	0.6	0.5999	-0.0001
8	10	LDR Biased	0.6012	0.6005	-0.0007
9	10	LDR Biased	0.5989	0.5988	-0.0001
10	10	LDR Biased	0.5989	0.5988	-0.0001
11	30	LDR Biased	0.5991	0.5983	-0.0008
12	30	LDR Biased	0.5995	0.5992	-0.0003
13	30	LDR Biased	0.5992	0.5989	-0.0003
14	30	LDR Biased	0.6004	0.6002	-0.0002
15	30	LDR Biased	0.5992	0.5987	-0.0005
16	50	LDR Biased	0.6002	0.6	-0.0002
17	50	LDR Biased	0.5994	0.5998	0.0004
18	50	LDR Biased	0.5998	0.5997	-0.0001
19	50	LDR Biased	0.599	0.5979	-0.0011
20	50	LDR Biased	0.6011	0.6	-0.0011
21	100	LDR Biased	0.5994	0.5997	0.0003
22	100	LDR Biased	0.599	0.5991	0.0001
23	100	LDR Biased	0.5991	0.5987	-0.0004
24	100	LDR Biased	0.6007	0.6003	-0.0004
25	100	LDR Biased	0.5999	0.599	-0.0009
26	3	LDR Unbiased	0.6004	0.6001	-0.0003
27	3	LDR Unbiased	0.599	0.5987	-0.0003
28	3	LDR Unbiased	0.6006	0.6004	-0.0002
29	3	LDR Unbiased	0.5997	0.5994	-0.0003
30	3	LDR Unbiased	0.5994	0.5989	-0.0005
31	10	LDR Unbiased	0.6005	0.5997	-0.0008
32	10	LDR Unbiased	0.5992	0.5989	-0.0003
33	10	LDR Unbiased	0.5999	0.5995	-0.0004
34	10	LDR Unbiased	0.5994	0.5989	-0.0005
35	10	LDR Unbiased	0.5995	0.5991	-0.0004
36	30	LDR Unbiased	0.5997	0.5989	-0.0008
37	30	LDR Unbiased	0.5995	0.5992	-0.0003
38	30	LDR Unbiased	0.5991	0.5991	0
39	30	LDR Unbiased	0.6008	0.6012	0.0004
40	30	LDR Unbiased	0.6012	0.6	-0.0012
41	50	LDR Unbiased	0.5994	0.5989	-0.0005
42	50	LDR Unbiased	0.6003	0.5994	-0.0009
43	50	LDR Unbiased	0.5984	0.598	-0.0004
44	50	LDR Unbiased	0.5995	0.5988	-0.0007
45	50	LDR Unbiased	0.5995	0.5986	-0.0009
46	100	LDR Unbiased	0.5992	0.5988	-0.0004
47	100	LDR Unbiased	0.6005	0.6011	0.0006
48	100	LDR Unbiased	0.5997	0.5986	-0.0011
49	100	LDR Unbiased	0.5993	0.5985	-0.0008
50	100	LDR Unbiased	0.5997	0.5988	-0.0009
60	0	Correlation	0.6012	0.6011	-0.0001
61	0	Correlation	0.6	0.6001	0.0001
62	0	Correlation	0.6	0.6001	0.0001
63	0	Correlation	0.6006	0.6006	0
64	0	Correlation	0.6001	0.6001	0
65	0	Correlation	0.5996	0.5996	0

Test Statistics (V)

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	0.5996	0.60025	0.6012	0.0005648	0.5996	0.60027	0.6011	0.0005164	-0.0001	1.6667e-05	0.0001	7.5277e-05
3	0.5981	0.59953	0.6006	0.00080973	0.5976	0.59919	0.6004	0.0008346	-0.0005	-0.00034	0	0.00016465
10	0.5989	0.59972	0.6012	0.0007208	0.5988	0.59937	0.6005	0.00056774	-0.0008	-0.00035	-0.0001	0.00025927
30	0.5991	0.59977	0.6012	0.00076019	0.5983	0.59937	0.6012	0.00085641	-0.0012	-0.0004	0.0004	0.00045216
50	0.5984	0.59966	0.6011	0.00074565	0.5979	0.59911	0.6	0.00078804	-0.0011	-0.00055	0.0004	0.00048591
100	0.599	0.59965	0.6007	0.00057783	0.5985	0.59926	0.6011	0.0008501	-0.0011	-0.00039	0.0006	0.00056657

Device Test: 17.10 _LEVEL|STATIC/VSNSP/5////@EA_INPUT_OFFSET_V





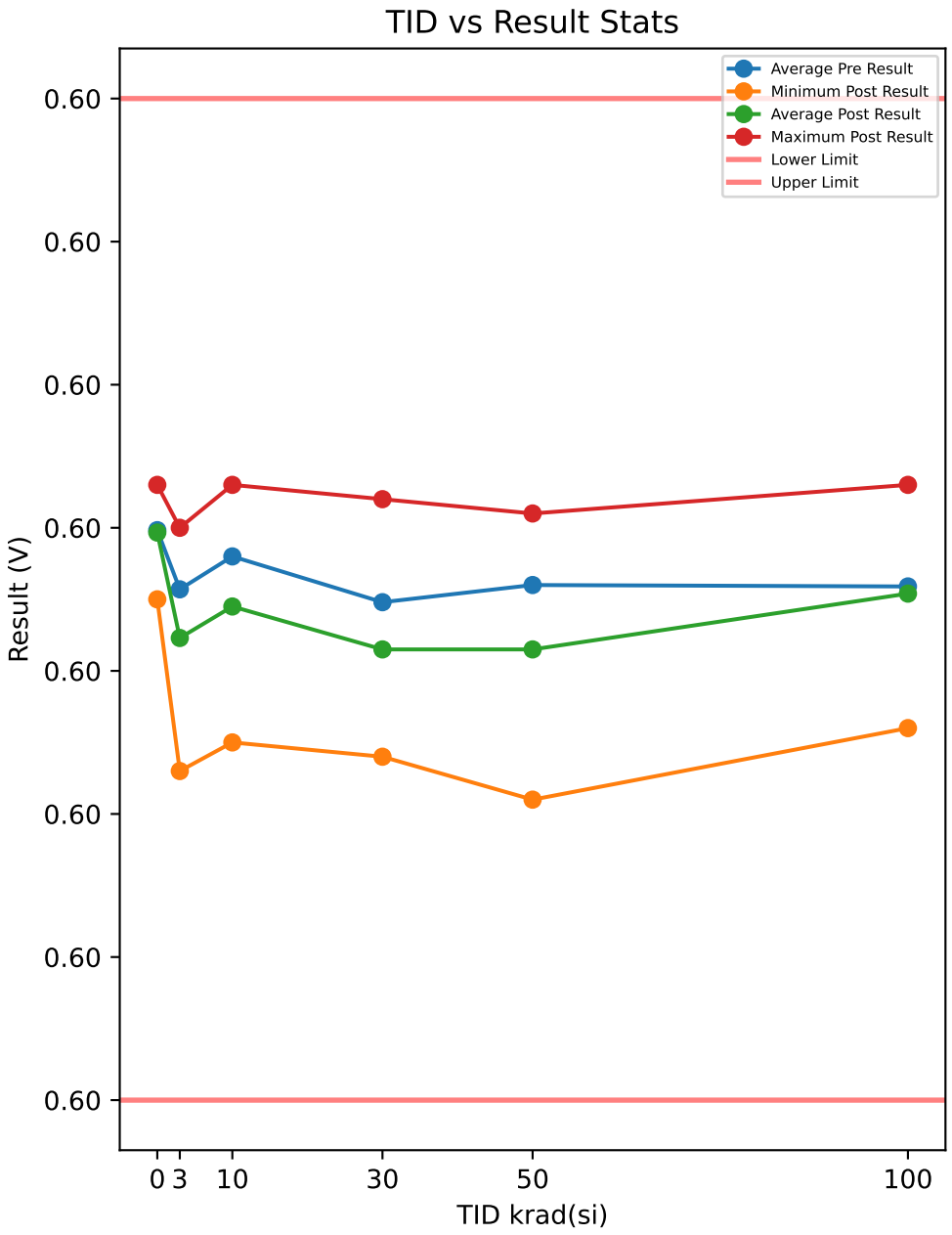
Test Results (Lower Limit = -2.9, Upper Limit = 2.9 (mV))

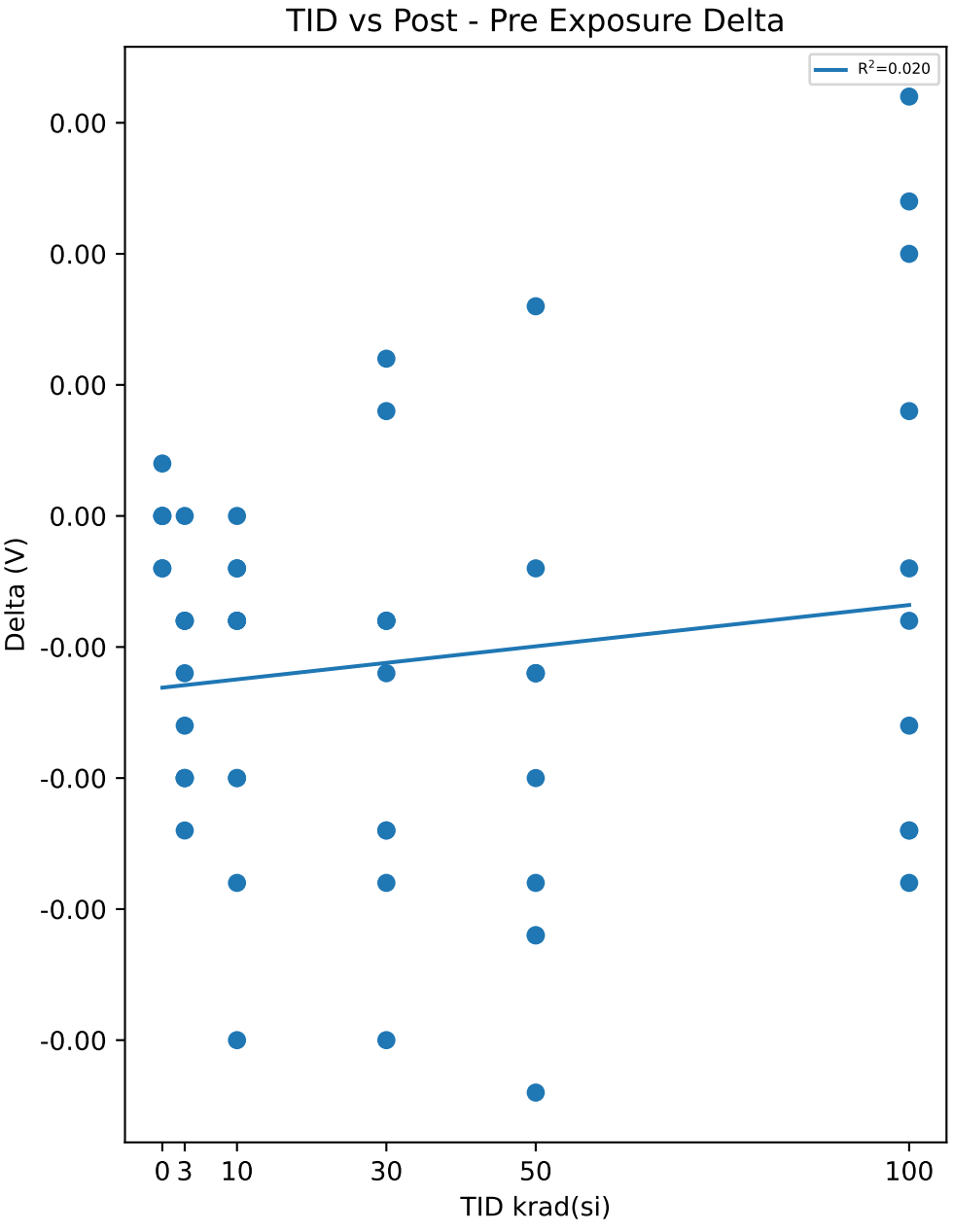
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	LDR Biased	0.8275	0.8021	-0.0254
2	3	LDR Biased	-0.3751	-0.3645	0.0106
3	3	LDR Biased	1.1462	1.17	0.0238
4	3	LDR Biased	0.0563	0.2364	0.1801
5	3	LDR Biased	0.2009	0.2911	0.0902
6	10	LDR Biased	-0.0445	-0.0965	-0.052
7	10	LDR Biased	0.3937	0.4615	0.0678
8	10	LDR Biased	-0.9556	-0.9965	-0.0409
9	10	LDR Biased	0.6032	0.6714	0.0682
10	10	LDR Biased	1.0215	1.083	0.0615
11	30	LDR Biased	0.891	0.8984	0.0074
12	30	LDR Biased	0.3179	0.2723	-0.0456
13	30	LDR Biased	-0.3934	-0.4457	-0.0523
14	30	LDR Biased	-0.8622	-1.0392	-0.177
15	30	LDR Biased	-0.164	-0.2377	-0.0737
16	50	LDR Biased	0.165	0.1	-0.065
17	50	LDR Biased	0.4944	0.4562	-0.0382
18	50	LDR Biased	-0.6812	-0.694	-0.0128
19	50	LDR Biased	0.325	0.3112	-0.0138
20	50	LDR Biased	-1.0776	-0.9797	0.0979
21	100	LDR Biased	0.3112	0.7574	0.4462
22	100	LDR Biased	0.1196	0.5231	0.4035
23	100	LDR Biased	-0.2325	-0.0463	0.1862
24	100	LDR Biased	-0.7668	-0.4142	0.3526
25	100	LDR Biased	0.1165	0.5563	0.4398
26	3	LDR Unbiased	-0.9843	-0.7861	0.1982
27	3	LDR Unbiased	0.5983	0.9171	0.3188
28	3	LDR Unbiased	-0.6705	-0.6296	0.0409
29	3	LDR Unbiased	0.5973	0.6996	0.1023
30	3	LDR Unbiased	-0.457	-0.4697	-0.0127
31	10	LDR Unbiased	0.0029	-0.2207	-0.2236
32	10	LDR Unbiased	0.6203	0.7112	0.0909
33	10	LDR Unbiased	0.4181	0.557	0.1389
34	10	LDR Unbiased	-0.3596	-0.291	0.0686
35	10	LDR Unbiased	0.0236	0.0267	0.0031
36	30	LDR Unbiased	0.1823	0.3027	0.1204
37	30	LDR Unbiased	0.2836	0.3131	0.0295
38	30	LDR Unbiased	-0.043	0.055	0.098
39	30	LDR Unbiased	-0.8499	-0.8307	0.0192
40	30	LDR Unbiased	-0.9665	-0.9257	0.0408
41	50	LDR Unbiased	0.4762	0.6403	0.1641
42	50	LDR Unbiased	-0.4917	-0.3412	0.1505
43	50	LDR Unbiased	0.564	0.633	0.069
44	50	LDR Unbiased	0.5996	0.8256	0.226
45	50	LDR Unbiased	0.1004	0.2682	0.1678
46	100	LDR Unbiased	1.1181	1.539	0.4209
47	100	LDR Unbiased	-1.0967	-0.901	0.1957
48	100	LDR Unbiased	0.2879	0.7207	0.4328
49	100	LDR Unbiased	0.3442	0.4116	0.0674
50	100	LDR Unbiased	0.3867	0.6585	0.2718
60	0	Correlation	-0.8466	-0.8234	0.0232
61	0	Correlation	0.1849	0.1777	-0.0072
62	0	Correlation	-0.3457	-0.2603	0.0854
63	0	Correlation	-0.0911	-0.0252	0.0659
64	0	Correlation	-0.1668	-0.0862	0.0806
65	0	Correlation	-0.1342	0.0841	0.2183

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	-0.8466	-0.23325	0.1849	0.34587	-0.8234	-0.15555	0.1777	0.3598	-0.0072	0.0777	0.2183	0.077658
3	-0.9843	0.09396	1.1462	0.7021	-0.7861	0.18664	1.17	0.70733	-0.0254	0.09268	0.3188	0.11016
10	-0.9556	0.17236	1.0215	0.56469	-0.9965	0.19061	1.083	0.61696	-0.2236	0.01825	0.1389	0.10347
30	-0.9665	-0.16042	0.891	0.6087	-1.0392	-0.16375	0.8984	0.64013	-0.177	-0.00333	0.1204	0.087256
50	-1.0776	0.04741	0.5996	0.59032	-0.9797	0.12196	0.8256	0.60446	-0.065	0.07455	0.226	0.10199
100	-1.0967	0.05882	1.1181	0.6268	-0.901	0.38051	1.539	0.68194	0.0674	0.32169	0.4462	0.13361

Device Test: 17.11 _LEVEL|STATIC/SS_TR/5////@VREF_25C





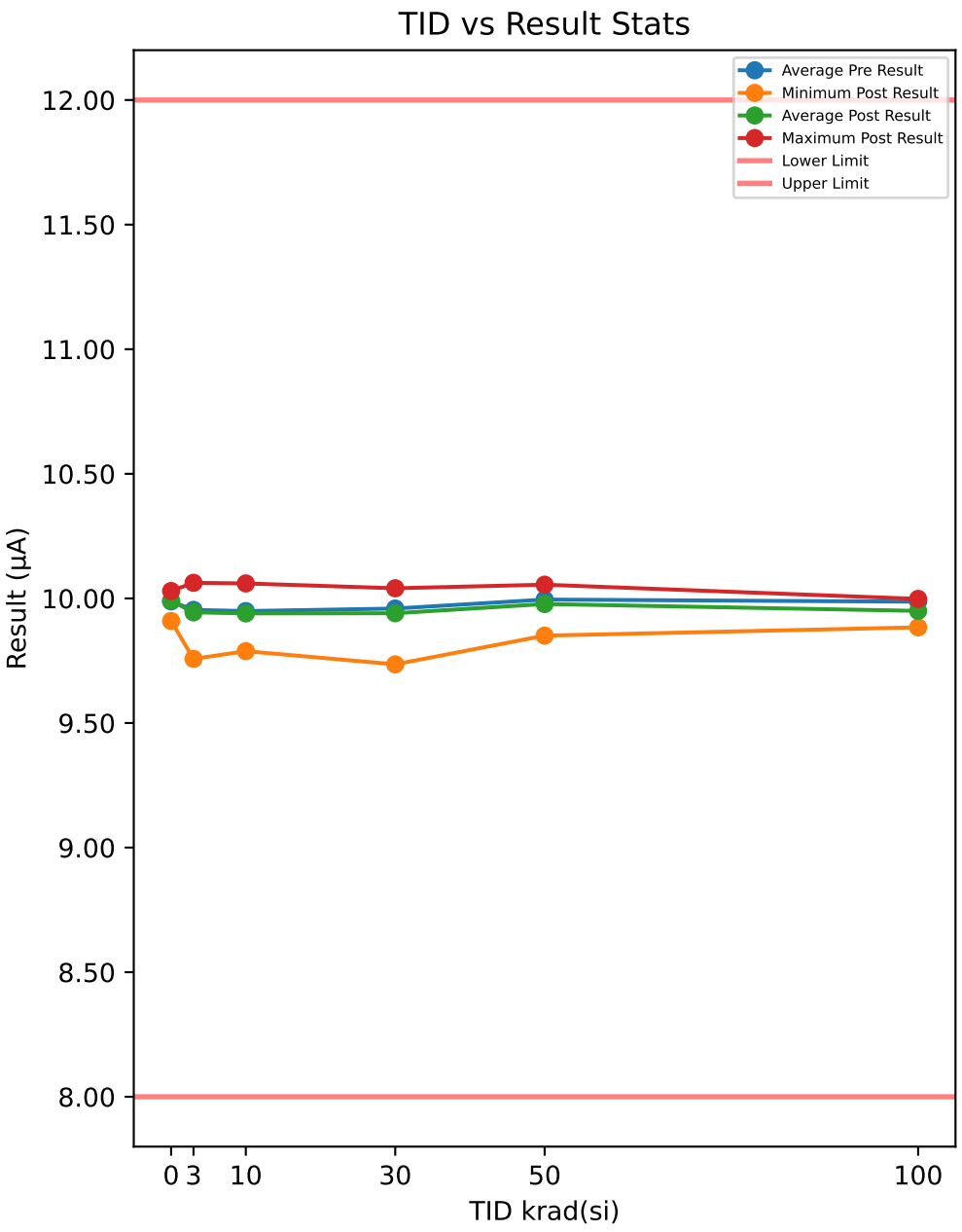
Test Results (Lower Limit = 0.596, Upper Limit = 0.603 (V))

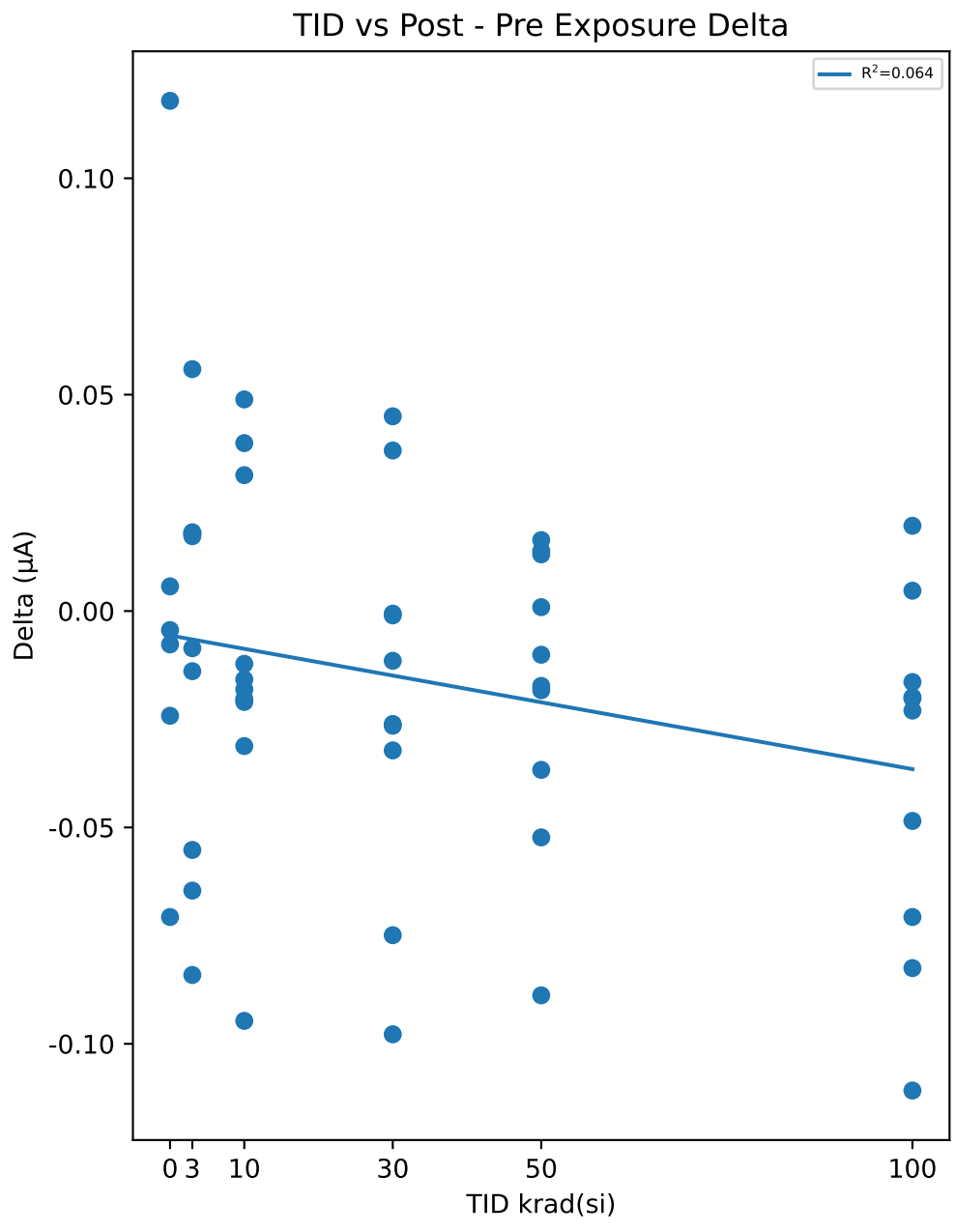
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	LDR Biased	0.5999	0.5994	-0.0005
2	3	LDR Biased	0.5999	0.5994	-0.0005
3	3	LDR Biased	0.5992	0.5988	-0.0004
4	3	LDR Biased	0.5987	0.5987	0
5	3	LDR Biased	0.6001	0.5996	-0.0005
6	10	LDR Biased	0.5996	0.5994	-0.0002
7	10	LDR Biased	0.6003	0.6003	0
8	10	LDR Biased	0.6001	0.5994	-0.0007
9	10	LDR Biased	0.5995	0.5994	-0.0001
10	10	LDR Biased	0.5998	0.5997	-0.0001
11	30	LDR Biased	0.6	0.5994	-0.0006
12	30	LDR Biased	0.5996	0.5994	-0.0002
13	30	LDR Biased	0.5986	0.5984	-0.0002
14	30	LDR Biased	0.5994	0.5991	-0.0003
15	30	LDR Biased	0.599	0.5984	-0.0006
16	50	LDR Biased	0.6003	0.6	-0.0003
17	50	LDR Biased	0.5997	0.6001	0.0004
18	50	LDR Biased	0.599	0.5989	-0.0001
19	50	LDR Biased	0.5992	0.5981	-0.0011
20	50	LDR Biased	0.5998	0.599	-0.0008
21	100	LDR Biased	0.5997	0.6003	0.0006
22	100	LDR Biased	0.599	0.5995	0.0005
23	100	LDR Biased	0.5988	0.5986	-0.0002
24	100	LDR Biased	0.5999	0.5998	-0.0001
25	100	LDR Biased	0.5999	0.5995	-0.0004
26	3	LDR Unbiased	0.5994	0.5992	-0.0002
27	3	LDR Unbiased	0.5997	0.5994	-0.0003
28	3	LDR Unbiased	0.5997	0.5995	-0.0002
29	3	LDR Unbiased	0.6002	0.6	-0.0002
30	3	LDR Unbiased	0.5989	0.5983	-0.0006
31	10	LDR Unbiased	0.6004	0.5994	-0.001
32	10	LDR Unbiased	0.5997	0.5995	-0.0002
33	10	LDR Unbiased	0.6001	0.5999	-0.0002
34	10	LDR Unbiased	0.599	0.5985	-0.0005
35	10	LDR Unbiased	0.5995	0.599	-0.0005
36	30	LDR Unbiased	0.5998	0.5991	-0.0007
37	30	LDR Unbiased	0.5996	0.5994	-0.0002
38	30	LDR Unbiased	0.5989	0.5991	0.0002
39	30	LDR Unbiased	0.5999	0.6002	0.0003
40	30	LDR Unbiased	0.6	0.599	-0.001
41	50	LDR Unbiased	0.5998	0.5995	-0.0003
42	50	LDR Unbiased	0.5997	0.599	-0.0007
43	50	LDR Unbiased	0.5988	0.5985	-0.0003
44	50	LDR Unbiased	0.6001	0.5996	-0.0005
45	50	LDR Unbiased	0.5996	0.5988	-0.0008
46	100	LDR Unbiased	0.6001	0.6003	0.0002
47	100	LDR Unbiased	0.5993	0.6001	0.0008
48	100	LDR Unbiased	0.5999	0.5992	-0.0007
49	100	LDR Unbiased	0.5994	0.5988	-0.0006
50	100	LDR Unbiased	0.5999	0.5993	-0.0006
60	0	Correlation	0.6003	0.6003	0
61	0	Correlation	0.6001	0.6001	0
62	0	Correlation	0.5998	0.5997	-0.0001
63	0	Correlation	0.6004	0.6003	-0.0001
64	0	Correlation	0.5998	0.5999	0.0001
65	0	Correlation	0.5995	0.5995	0

Test Statistics (V)

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	0.5995	0.59998	0.6004	0.00034303	0.5995	0.59997	0.6003	0.0003266	-0.0001	-1.6667e-05	0.0001	7.5277e-05
3	0.5987	0.59957	0.6002	0.00050563	0.5983	0.59923	0.6	0.00049677	-0.0006	-0.00034	0	0.00018974
10	0.599	0.5998	0.6004	0.00042947	0.5985	0.59945	0.6003	0.00048362	-0.001	-0.00035	0	0.0003171
30	0.5986	0.59948	0.6	0.00049396	0.5984	0.59915	0.6002	0.00052122	-0.001	-0.00033	0.0003	0.00040291
50	0.5988	0.5996	0.6003	0.0004714	0.5981	0.59915	0.6001	0.00064161	-0.0011	-0.00045	0.0004	0.00042753
100	0.5988	0.59959	0.6001	0.00044083	0.5986	0.59954	0.6003	0.00059104	-0.0007	-5e-05	0.0008	0.0005462

Device Test: 17.12 _IDD|POWERED/VSNSN/5////@VSNSM_CURR





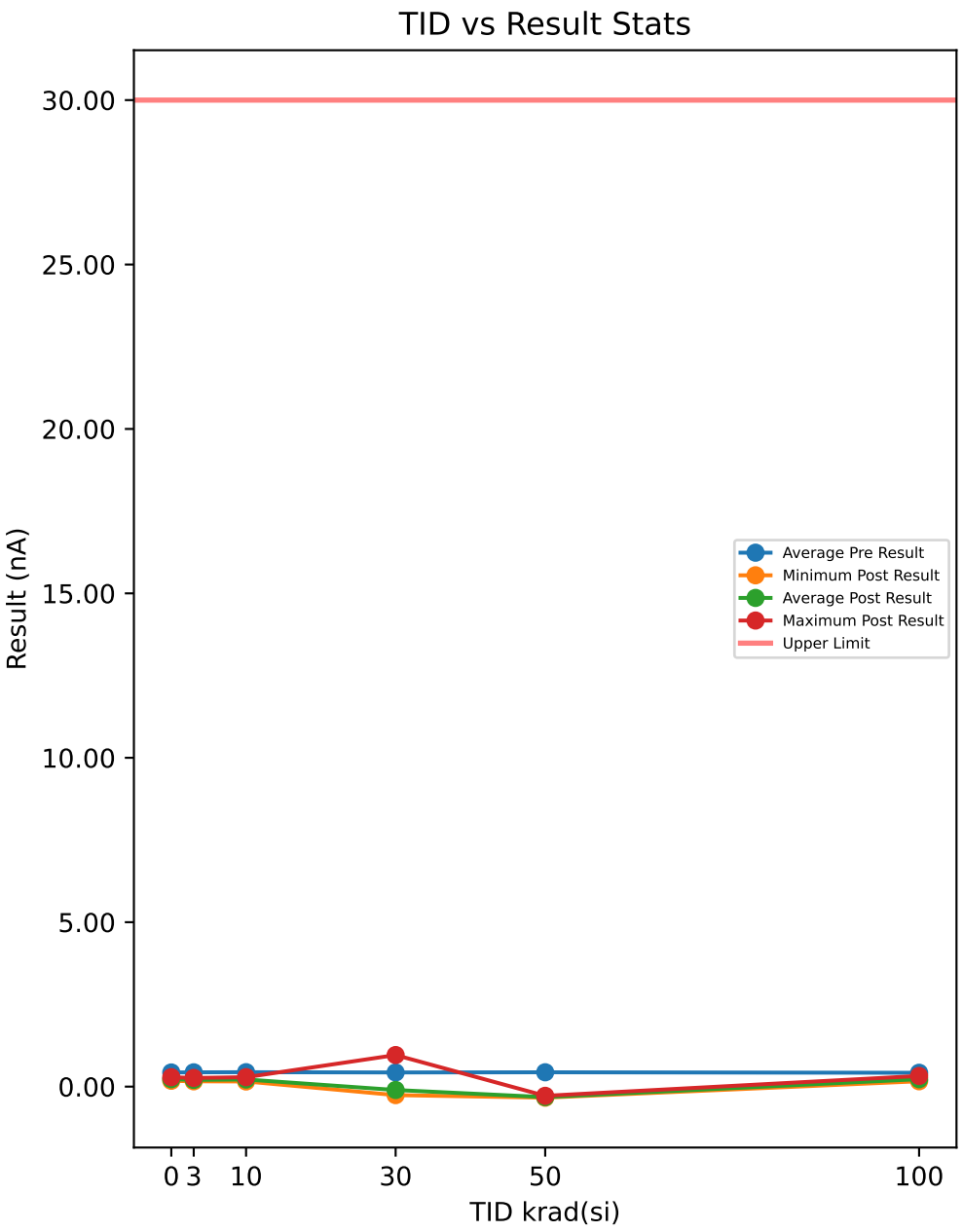
Test Results (Lower Limit = 8.0, Upper Limit = 12.0 (µA))

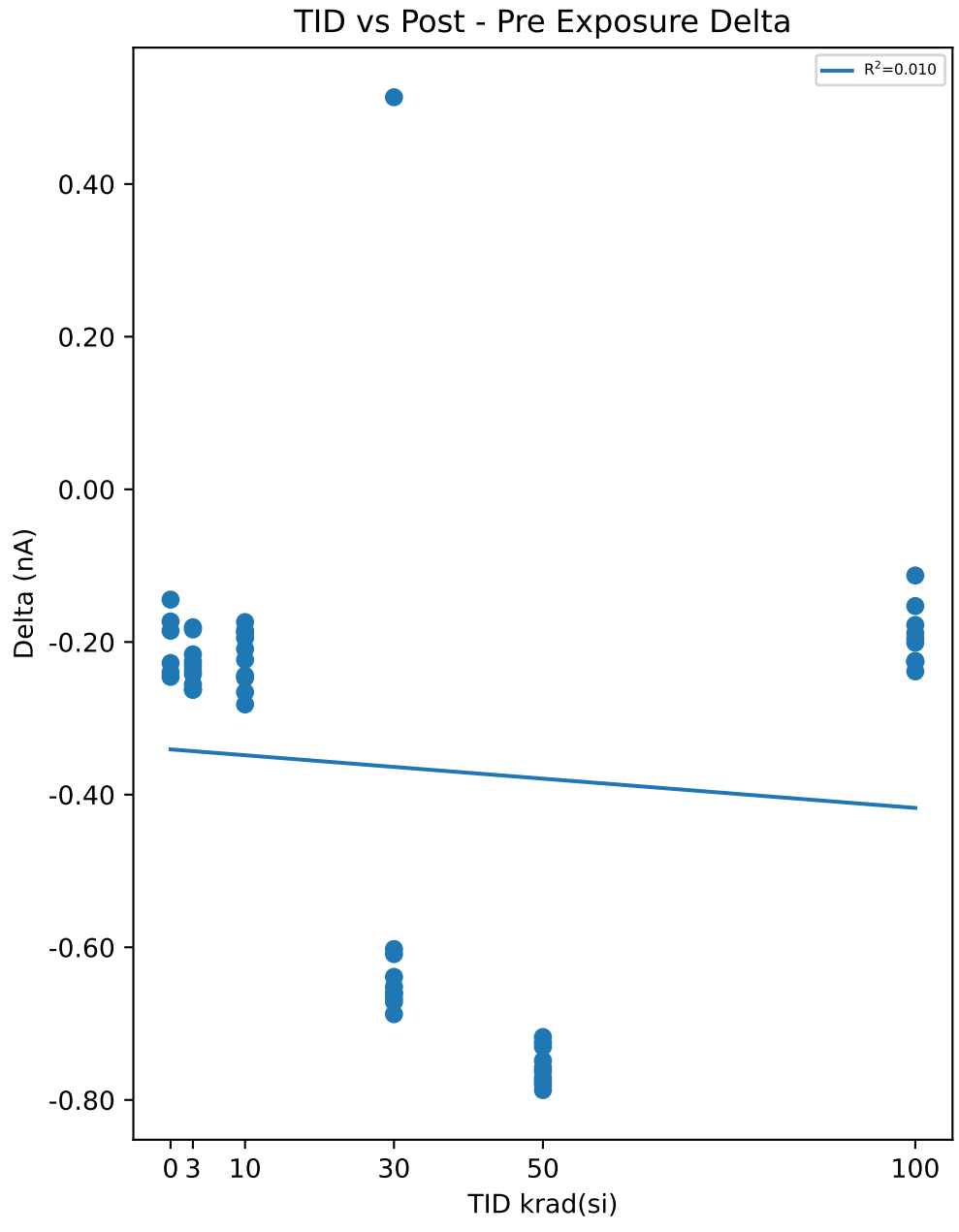
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	LDR Biased	10.042	9.9774	-0.0646
2	3	LDR Biased	9.8274	9.7722	-0.0552
3	3	LDR Biased	9.9043	9.9223	0.018
4	3	LDR Biased	9.9955	10.013	0.0179
5	3	LDR Biased	10.067	10.053	-0.0139
6	10	LDR Biased	9.8831	9.7884	-0.0947
7	10	LDR Biased	9.9696	10.008	0.0388
8	10	LDR Biased	10.011	10.06	0.0489
9	10	LDR Biased	9.912	9.891	-0.021
10	10	LDR Biased	9.939	9.9704	0.0314
11	30	LDR Biased	9.9404	9.9289	-0.0115
12	30	LDR Biased	10.005	10.004	-0.0006
13	30	LDR Biased	9.9908	9.9643	-0.0265
14	30	LDR Biased	10.116	10.041	-0.0749
15	30	LDR Biased	10.053	9.9553	-0.0978
16	50	LDR Biased	10.01	10.024	0.0139
17	50	LDR Biased	10.034	9.9815	-0.0523
18	50	LDR Biased	10.018	10.031	0.0131
19	50	LDR Biased	9.9644	9.9277	-0.0367
20	50	LDR Biased	10.039	10.055	0.0164
21	100	LDR Biased	9.969	9.9488	-0.0202
22	100	LDR Biased	9.9962	9.9798	-0.0164
23	100	LDR Biased	10.005	9.8943	-0.1108
24	100	LDR Biased	9.9783	9.998	0.0197
25	100	LDR Biased	9.9816	9.9586	-0.023
26	3	LDR Unbiased	10.024	10.042	0.0173
27	3	LDR Unbiased	9.8414	9.7573	-0.0841
28	3	LDR Unbiased	10.012	10.031	0.0182
29	3	LDR Unbiased	9.8181	9.8095	-0.0086
30	3	LDR Unbiased	10.007	10.063	0.0559
31	10	LDR Unbiased	9.9444	9.9322	-0.0122
32	10	LDR Unbiased	9.9943	9.974	-0.0203
33	10	LDR Unbiased	9.9508	9.9196	-0.0312
34	10	LDR Unbiased	9.8903	9.8745	-0.0158
35	10	LDR Unbiased	9.9976	9.9795	-0.0181
36	30	LDR Unbiased	9.7676	9.7354	-0.0322
37	30	LDR Unbiased	9.955	9.9921	0.0371
38	30	LDR Unbiased	9.9696	9.9435	-0.0261
39	30	LDR Unbiased	9.8434	9.8884	0.045
40	30	LDR Unbiased	9.953	9.952	-0.001
41	50	LDR Unbiased	10.064	10.046	-0.0183
42	50	LDR Unbiased	9.8497	9.8506	0.0009
43	50	LDR Unbiased	10.037	9.9486	-0.0888
44	50	LDR Unbiased	10.041	10.03	-0.0101
45	50	LDR Unbiased	9.8968	9.8795	-0.0173
46	100	LDR Unbiased	10.055	9.9839	-0.0707
47	100	LDR Unbiased	9.8792	9.8839	0.0047
48	100	LDR Unbiased	10.026	9.9436	-0.0825
49	100	LDR Unbiased	9.9615	9.9416	-0.0199
50	100	LDR Unbiased	10.016	9.9678	-0.0485
60	0	Correlation	10.037	10.03	-0.0077
61	0	Correlation	10	9.996	-0.0044
62	0	Correlation	9.8605	9.9784	0.1179
63	0	Correlation	10.082	10.011	-0.0707
64	0	Correlation	9.9037	9.9094	0.0057
65	0	Correlation	10.045	10.021	-0.0242

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	9.8605	9.9881	10.082	0.087142	9.9094	9.9909	10.03	0.043868	-0.0707	0.0027667	0.1179	0.06253
3	9.8181	9.9539	10.067	0.096053	9.7573	9.944	10.063	0.12106	-0.0841	-0.00991	0.0559	0.044694
10	9.8831	9.9492	10.011	0.044707	9.7884	9.9398	10.06	0.076662	-0.0947	-0.00942	0.0489	0.041521
30	9.7676	9.9593	10.116	0.098305	9.7354	9.9405	10.041	0.083384	-0.0978	-0.01885	0.045	0.044193
50	9.8497	9.9954	10.064	0.070347	9.8506	9.9775	10.055	0.07272	-0.0888	-0.01792	0.0164	0.033545
100	9.8792	9.9868	10.055	0.047221	9.8839	9.95	9.998	0.036994	-0.1108	-0.03676	0.0197	0.040733

Device Test: 17.13 _LEAK|POWERED/VSNSP/5////@VSNSP_LKG_CURR_0P6V





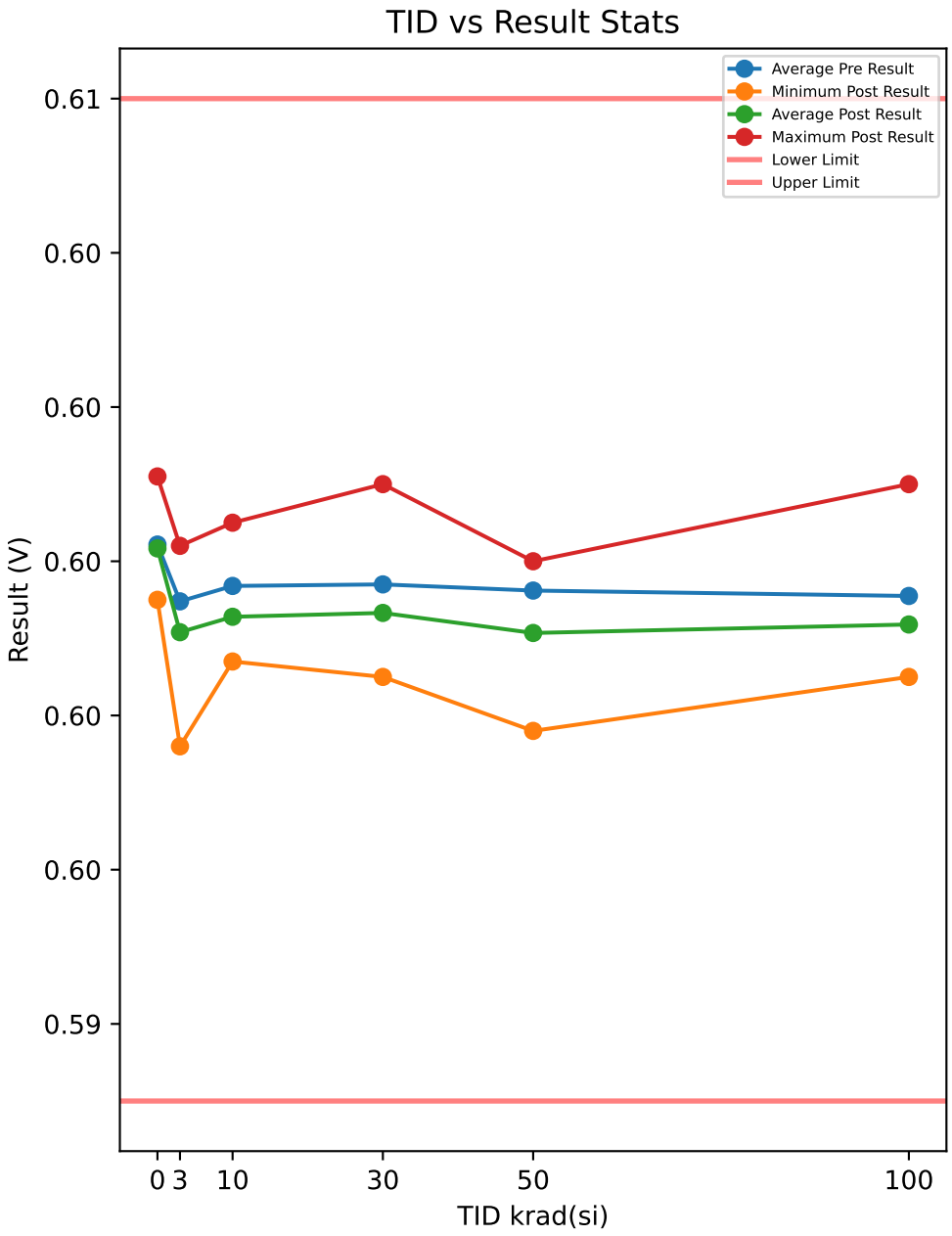
Test Results (Upper Limit = 30.0 (nA))

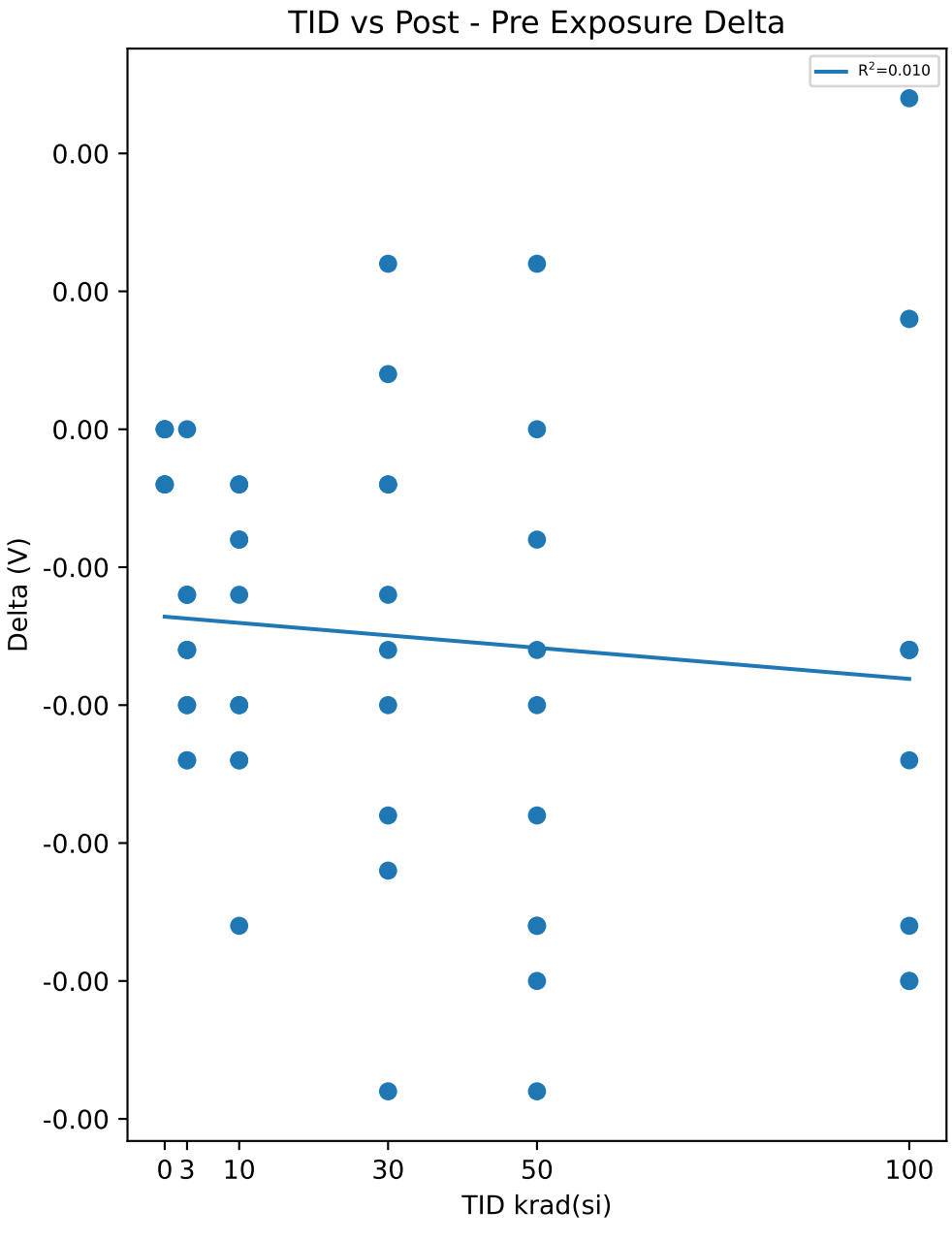
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	LDR Biased	0.4235	0.1613	-0.2622
2	3	LDR Biased	0.4129	0.1818	-0.2311
3	3	LDR Biased	0.4273	0.1645	-0.2628
4	3	LDR Biased	0.4444	0.1888	-0.2556
5	3	LDR Biased	0.4531	0.2156	-0.2375
6	10	LDR Biased	0.4608	0.2869	-0.1739
7	10	LDR Biased	0.433	0.186	-0.247
8	10	LDR Biased	0.4382	0.1564	-0.2818
9	10	LDR Biased	0.44	0.2307	-0.2093
10	10	LDR Biased	0.4093	0.2243	-0.185
11	30	LDR Biased	0.4462	0.9599	0.5137
12	30	LDR Biased	0.4329	-0.2059	-0.6388
13	30	LDR Biased	0.437	-0.23	-0.667
14	30	LDR Biased	0.41	-0.1989	-0.6089
15	30	LDR Biased	0.4319	-0.2289	-0.6608
16	50	LDR Biased	0.4454	-0.3301	-0.7755
17	50	LDR Biased	0.4541	-0.333	-0.7871
18	50	LDR Biased	0.45	-0.2803	-0.7303
19	50	LDR Biased	0.4314	-0.317	-0.7484
20	50	LDR Biased	0.4352	-0.3273	-0.7625
21	100	LDR Biased	0.3866	0.2089	-0.1777
22	100	LDR Biased	0.4114	0.2229	-0.1885
23	100	LDR Biased	0.4015	0.163	-0.2385
24	100	LDR Biased	0.4407	0.215	-0.2257
25	100	LDR Biased	0.4133	0.1874	-0.2259
26	3	LDR Unbiased	0.4401	0.2145	-0.2256
27	3	LDR Unbiased	0.4441	0.2634	-0.1807
28	3	LDR Unbiased	0.4467	0.2305	-0.2162
29	3	LDR Unbiased	0.4246	0.241	-0.1836
30	3	LDR Unbiased	0.4273	0.1853	-0.242
31	10	LDR Unbiased	0.4452	0.2011	-0.2441
32	10	LDR Unbiased	0.4469	0.2522	-0.1947
33	10	LDR Unbiased	0.4293	0.1636	-0.2657
34	10	LDR Unbiased	0.4404	0.2171	-0.2233
35	10	LDR Unbiased	0.4418	0.254	-0.1878
36	30	LDR Unbiased	0.4267	-0.1756	-0.6023
37	30	LDR Unbiased	0.4255	-0.234	-0.6595
38	30	LDR Unbiased	0.4262	-0.2256	-0.6518
39	30	LDR Unbiased	0.4417	-0.2297	-0.6714
40	30	LDR Unbiased	0.4293	-0.2583	-0.6876
41	50	LDR Unbiased	0.4227	-0.3348	-0.7575
42	50	LDR Unbiased	0.4187	-0.2989	-0.7176
43	50	LDR Unbiased	0.4154	-0.3095	-0.7249
44	50	LDR Unbiased	0.4419	-0.3292	-0.7711
45	50	LDR Unbiased	0.4443	-0.3359	-0.7802
46	100	LDR Unbiased	0.4371	0.3242	-0.1129
47	100	LDR Unbiased	0.4239	0.2282	-0.1957
48	100	LDR Unbiased	0.4412	0.2164	-0.2248
49	100	LDR Unbiased	0.4401	0.2391	-0.201
50	100	LDR Unbiased	0.413	0.2601	-0.1529
60	0	Correlation	0.4241	0.1784	-0.2457
61	0	Correlation	0.4348	0.2617	-0.1731
62	0	Correlation	0.4284	0.2431	-0.1853
63	0	Correlation	0.4212	0.1815	-0.2397
64	0	Correlation	0.4312	0.2867	-0.1445
65	0	Correlation	0.4385	0.2109	-0.2276

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	0.4212	0.4297	0.4385	0.0064962	0.1784	0.22705	0.2867	0.044088	-0.2457	-0.20265	-0.1445	0.040998
3	0.4129	0.4344	0.4531	0.012934	0.1613	0.20467	0.2634	0.033825	-0.2628	-0.22973	-0.1807	0.029367
10	0.4093	0.43849	0.4608	0.013321	0.1564	0.21723	0.2869	0.041462	-0.2818	-0.22126	-0.1739	0.03705
30	0.41	0.43074	0.4462	0.010005	-0.2583	-0.1027	0.9599	0.37404	-0.6876	-0.53344	0.5137	0.3689
50	0.4154	0.43591	0.4541	0.01349	-0.3359	-0.3196	-0.2803	0.018317	-0.7871	-0.75551	-0.7176	0.024411
100	0.3866	0.42088	0.4412	0.018878	0.163	0.22652	0.3242	0.043402	-0.2385	-0.19436	-0.1129	0.038822

Device Test: 17.17 _LEVEL|STATIC/VSNSP/12////@VREF_PLUS_OFFSET





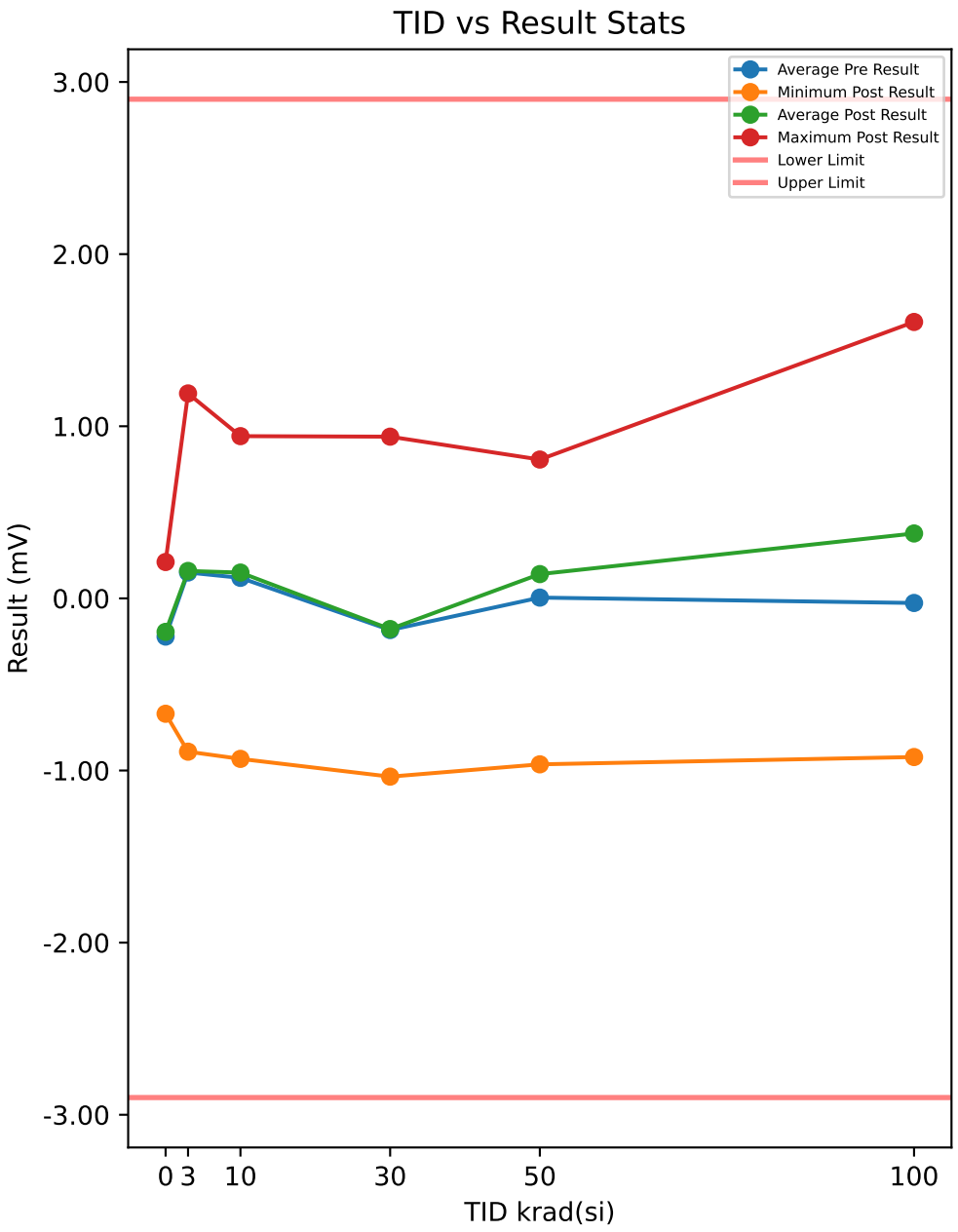
Test Results (Lower Limit = 0.593, Upper Limit = 0.606 (V))

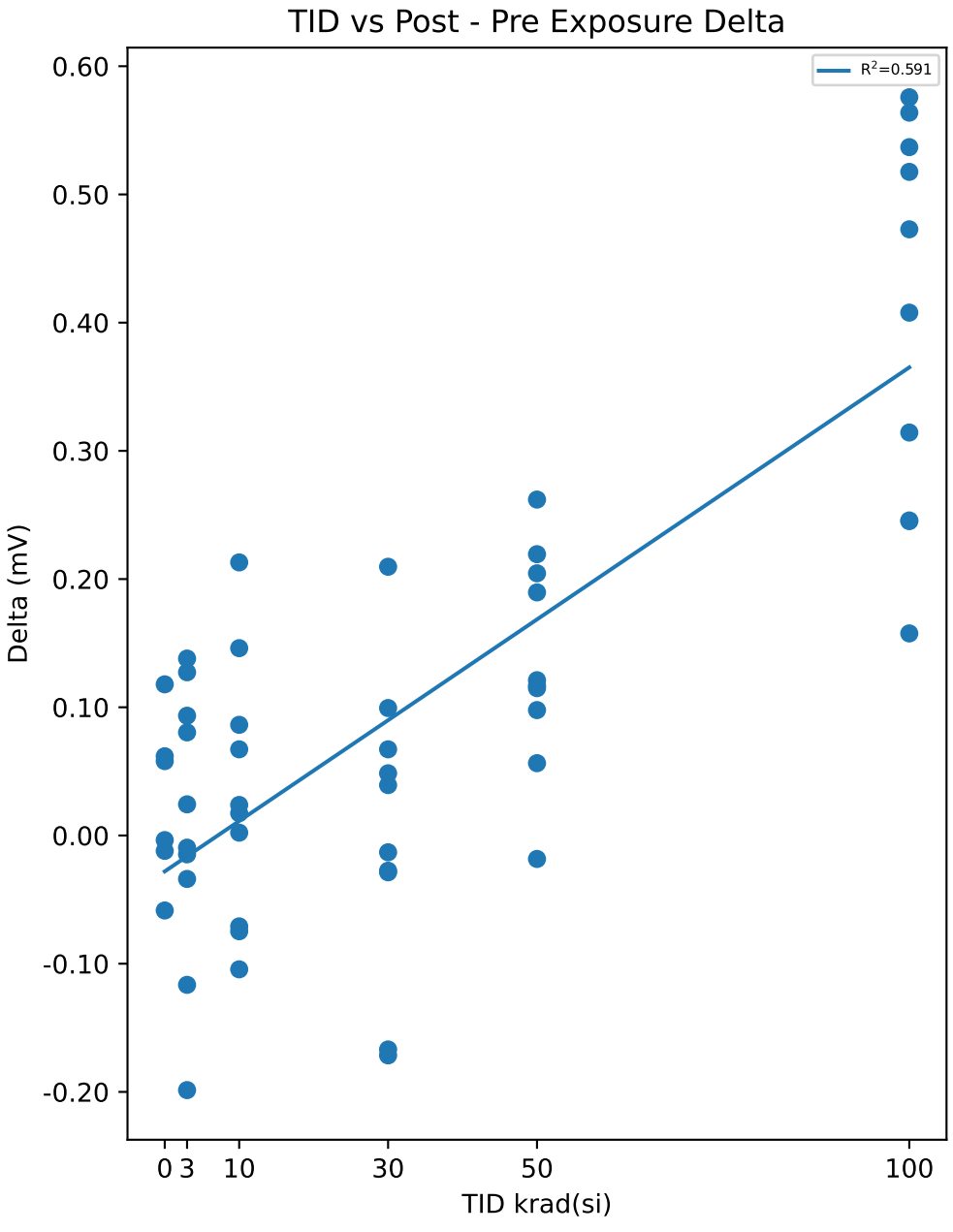
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	LDR Biased	0.5991	0.5986	-0.0005
2	3	LDR Biased	0.6003	0.5998	-0.0005
3	3	LDR Biased	0.598	0.5976	-0.0004
4	3	LDR Biased	0.5986	0.5986	0
5	3	LDR Biased	0.5999	0.5993	-0.0006
6	10	LDR Biased	0.5997	0.5995	-0.0002
7	10	LDR Biased	0.6	0.5999	-0.0001
8	10	LDR Biased	0.6011	0.6005	-0.0006
9	10	LDR Biased	0.5988	0.5987	-0.0001
10	10	LDR Biased	0.5989	0.5987	-0.0002
11	30	LDR Biased	0.599	0.5985	-0.0005
12	30	LDR Biased	0.5993	0.5992	-0.0001
13	30	LDR Biased	0.5992	0.5988	-0.0004
14	30	LDR Biased	0.6004	0.6001	-0.0003
15	30	LDR Biased	0.5993	0.5986	-0.0007
16	50	LDR Biased	0.6002	0.6	-0.0002
17	50	LDR Biased	0.5994	0.5997	0.0003
18	50	LDR Biased	0.5997	0.5997	0
19	50	LDR Biased	0.599	0.5978	-0.0012
20	50	LDR Biased	0.601	0.6	-0.001
21	100	LDR Biased	0.5994	0.5996	0.0002
22	100	LDR Biased	0.5989	0.5991	0.0002
23	100	LDR Biased	0.599	0.5986	-0.0004
24	100	LDR Biased	0.6006	0.6002	-0.0004
25	100	LDR Biased	0.5998	0.5989	-0.0009
26	3	LDR Unbiased	0.6004	0.6	-0.0004
27	3	LDR Unbiased	0.5989	0.5985	-0.0004
28	3	LDR Unbiased	0.6005	0.6002	-0.0003
29	3	LDR Unbiased	0.5997	0.5994	-0.0003
30	3	LDR Unbiased	0.5994	0.5988	-0.0006
31	10	LDR Unbiased	0.6005	0.5996	-0.0009
32	10	LDR Unbiased	0.5991	0.5988	-0.0003
33	10	LDR Unbiased	0.5998	0.5993	-0.0005
34	10	LDR Unbiased	0.5994	0.5989	-0.0005
35	10	LDR Unbiased	0.5995	0.5989	-0.0006
36	30	LDR Unbiased	0.5997	0.5989	-0.0008
37	30	LDR Unbiased	0.5993	0.5992	-0.0001
38	30	LDR Unbiased	0.599	0.5991	0.0001
39	30	LDR Unbiased	0.6007	0.601	0.0003
40	30	LDR Unbiased	0.6011	0.5999	-0.0012
41	50	LDR Unbiased	0.5993	0.5988	-0.0005
42	50	LDR Unbiased	0.6002	0.5993	-0.0009
43	50	LDR Unbiased	0.5984	0.598	-0.0004
44	50	LDR Unbiased	0.5995	0.5988	-0.0007
45	50	LDR Unbiased	0.5995	0.5986	-0.0009
46	100	LDR Unbiased	0.5992	0.5988	-0.0004
47	100	LDR Unbiased	0.6004	0.601	0.0006
48	100	LDR Unbiased	0.5995	0.5985	-0.001
49	100	LDR Unbiased	0.5991	0.5985	-0.0006
50	100	LDR Unbiased	0.5996	0.5986	-0.001
60	0	Correlation	0.6011	0.6011	0
61	0	Correlation	0.6	0.6	0
62	0	Correlation	0.6	0.6	0
63	0	Correlation	0.6005	0.6004	-0.0001
64	0	Correlation	0.6001	0.6	-0.0001
65	0	Correlation	0.5996	0.5995	-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	0.5996	0.60022	0.6011	0.00051929	0.5995	0.60017	0.6011	0.00053914	-0.0001	-5e-05	0	5.4772e-05
3	0.598	0.59948	0.6005	0.0008324	0.5976	0.59908	0.6002	0.00080526	-0.0006	-0.0004	0	0.00017638
10	0.5988	0.59968	0.6011	0.00071771	0.5987	0.59928	0.6005	0.00059777	-0.0009	-0.0004	-0.0001	0.00026247
30	0.599	0.5997	0.6011	0.00075719	0.5985	0.59933	0.601	0.00078038	-0.0012	-0.00037	0.0003	0.00044981
50	0.5984	0.59962	0.601	0.00071771	0.5978	0.59907	0.6	0.00079589	-0.0012	-0.00055	0.0003	0.000479
100	0.5989	0.59955	0.6006	0.00057397	0.5985	0.59918	0.601	0.00084037	-0.001	-0.00037	0.0006	0.00054985

Device Test: 17.18 _LEVEL|STATIC/VSNSP/12////@EA_INPUT_OFFSET_V





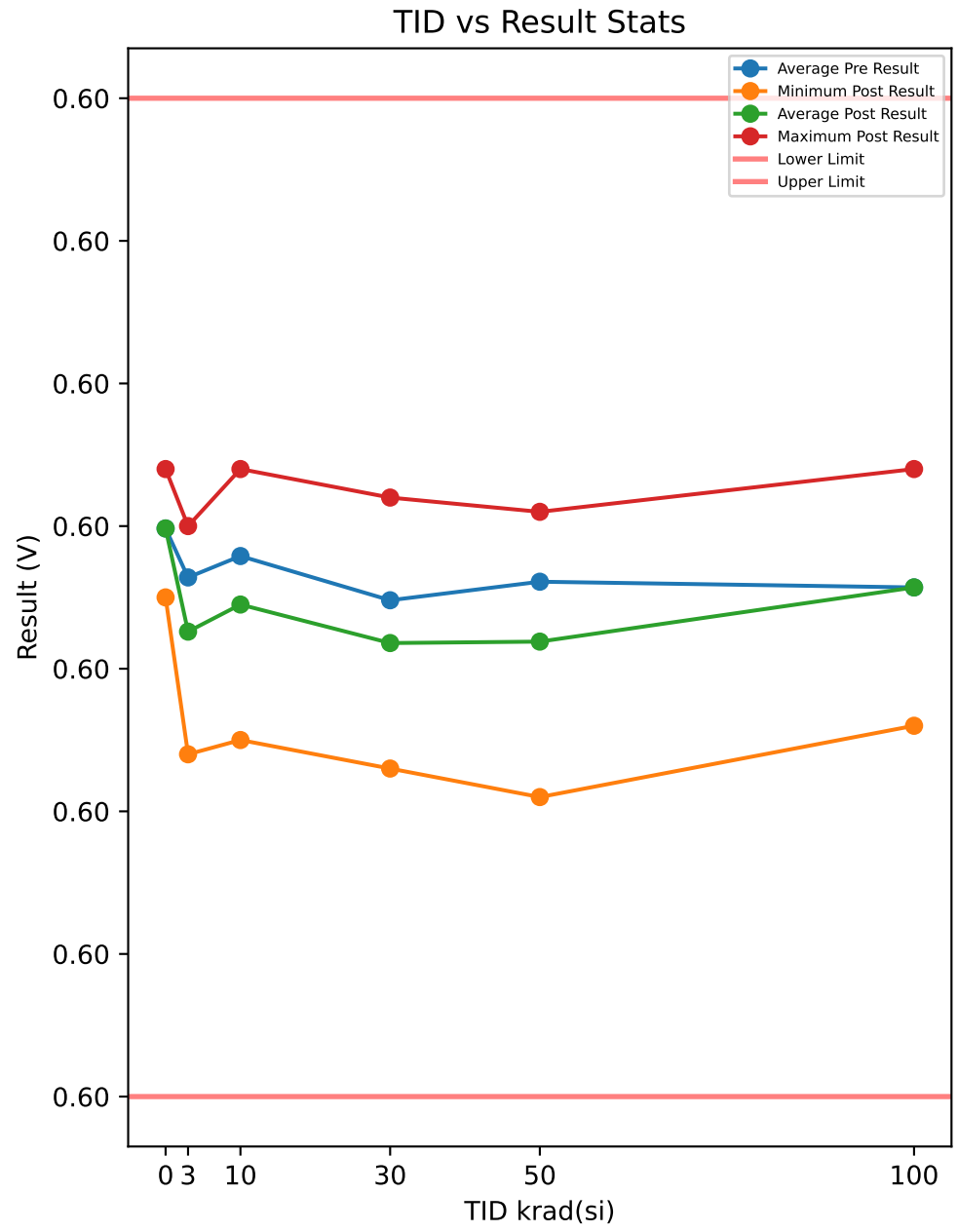
Test Results (Lower Limit = -2.9, Upper Limit = 2.9 (mV))

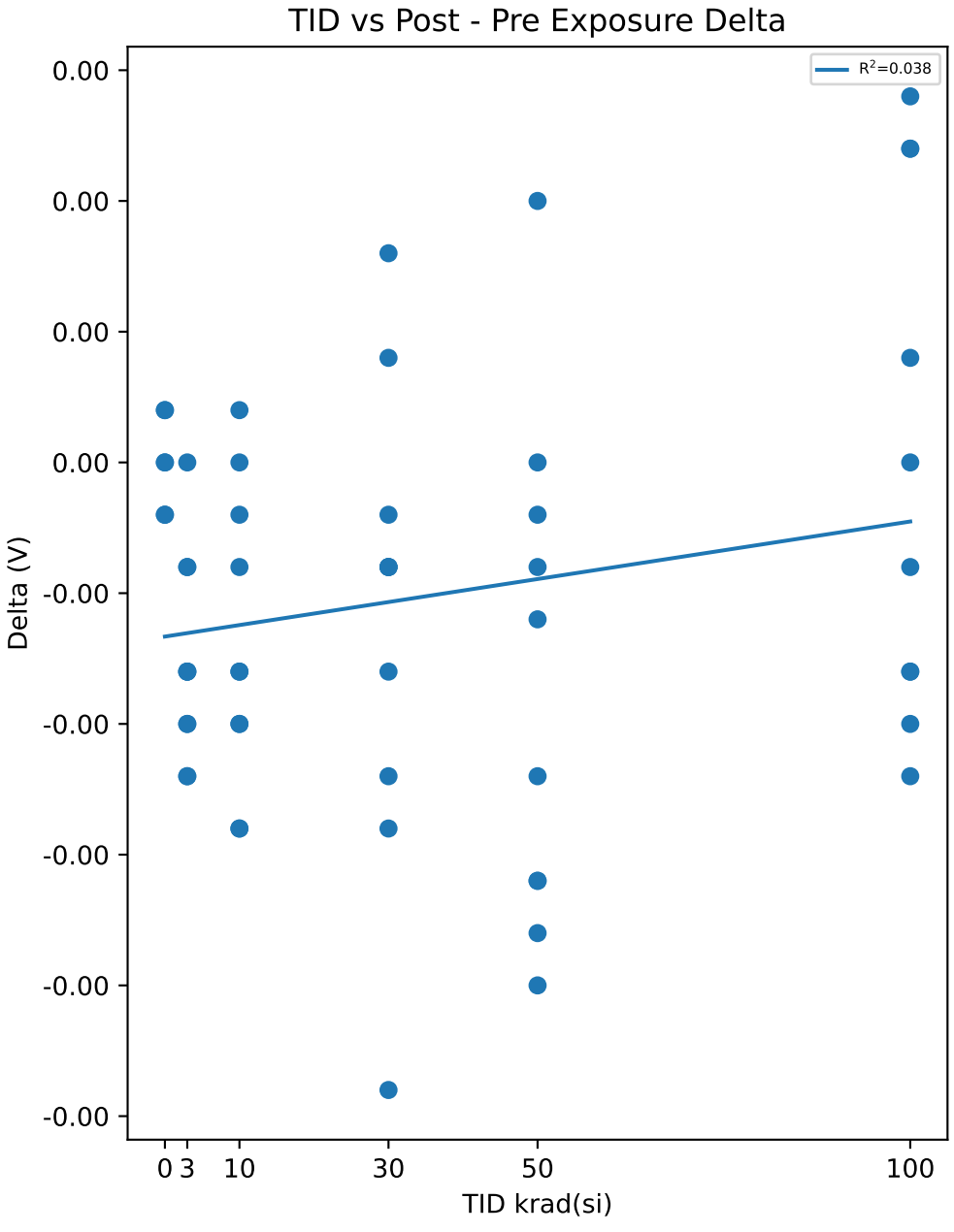
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	LDR Biased	0.7406	0.834	0.0934
2	3	LDR Biased	-0.3853	-0.3948	-0.0095
3	3	LDR Biased	1.2053	1.1906	-0.0147
4	3	LDR Biased	0.1951	0.2755	0.0804
5	3	LDR Biased	0.2043	0.3316	0.1273
6	10	LDR Biased	0.0067	-0.068	-0.0747
7	10	LDR Biased	0.4304	0.4976	0.0672
8	10	LDR Biased	-0.9346	-0.9324	0.0022
9	10	LDR Biased	0.4375	0.5836	0.1461
10	10	LDR Biased	0.9187	0.9425	0.0238
11	30	LDR Biased	0.8723	0.9395	0.0672
12	30	LDR Biased	0.2578	0.3063	0.0485
13	30	LDR Biased	-0.3815	-0.409	-0.0275
14	30	LDR Biased	-0.9589	-0.972	-0.0131
15	30	LDR Biased	-0.347	-0.2476	0.0994
16	50	LDR Biased	0.074	0.1909	0.1169
17	50	LDR Biased	0.2561	0.4606	0.2045
18	50	LDR Biased	-0.7094	-0.653	0.0564
19	50	LDR Biased	0.0942	0.3136	0.2194
20	50	LDR Biased	-1.079	-0.9641	0.1149
21	100	LDR Biased	0.3838	0.6981	0.3143
22	100	LDR Biased	0.0819	0.5547	0.4728
23	100	LDR Biased	-0.2419	-0.0843	0.1576
24	100	LDR Biased	-0.887	-0.3694	0.5176
25	100	LDR Biased	0.1006	0.5084	0.4078
26	3	LDR Unbiased	-0.7741	-0.8906	-0.1165
27	3	LDR Unbiased	0.9493	0.7507	-0.1986
28	3	LDR Unbiased	-0.6134	-0.6473	-0.0339
29	3	LDR Unbiased	0.4969	0.6349	0.138
30	3	LDR Unbiased	-0.515	-0.4907	0.0243
31	10	LDR Unbiased	-0.2897	-0.0767	0.213
32	10	LDR Unbiased	0.6747	0.5703	-0.1044
33	10	LDR Unbiased	0.3621	0.4484	0.0863
34	10	LDR Unbiased	-0.2954	-0.3663	-0.0709
35	10	LDR Unbiased	-0.1173	-0.0999	0.0174
36	30	LDR Unbiased	0.2431	0.2144	-0.0287
37	30	LDR Unbiased	0.3661	0.1946	-0.1715
38	30	LDR Unbiased	-0.0477	-0.0084	0.0393
39	30	LDR Unbiased	-0.9735	-0.7639	0.2096
40	30	LDR Unbiased	-0.8687	-1.0356	-0.1669
41	50	LDR Unbiased	0.4667	0.6563	0.1896
42	50	LDR Unbiased	-0.4485	-0.3507	0.0978
43	50	LDR Unbiased	0.412	0.674	0.262
44	50	LDR Unbiased	0.6855	0.8066	0.1211
45	50	LDR Unbiased	0.2939	0.2756	-0.0183
46	100	LDR Unbiased	1.0421	1.6059	0.5638
47	100	LDR Unbiased	-1.1669	-0.9217	0.2452
48	100	LDR Unbiased	0.092	0.6678	0.5758
49	100	LDR Unbiased	0.1463	0.392	0.2457
50	100	LDR Unbiased	0.1824	0.7193	0.5369
60	0	Correlation	-0.7882	-0.6703	0.1179
61	0	Correlation	0.1533	0.2113	0.058
62	0	Correlation	-0.1873	-0.2458	-0.0585
63	0	Correlation	-0.1549	-0.1585	-0.0036
64	0	Correlation	-0.2843	-0.2963	-0.012
65	0	Correlation	-0.07	-0.0082	0.0618

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	-0.7882	-0.2219	0.1533	0.31436	-0.6703	-0.19463	0.2113	0.29667	-0.0585	0.027267	0.1179	0.063564
3	-0.7741	0.15037	1.2053	0.69858	-0.8906	0.15939	1.1906	0.7165	-0.1986	0.00902	0.138	0.10785
10	-0.9346	0.11931	0.9187	0.55006	-0.9324	0.14991	0.9425	0.55798	-0.1044	0.0306	0.213	0.10094
30	-0.9735	-0.1838	0.8723	0.63006	-1.0356	-0.17817	0.9395	0.63002	-0.1715	0.00563	0.2096	0.11592
50	-1.079	0.00455	0.6855	0.56688	-0.9641	0.14098	0.8066	0.59987	-0.0183	0.13643	0.262	0.083686
100	-1.1669	-0.02667	1.0421	0.62477	-0.9217	0.37708	1.6059	0.69287	0.1576	0.40375	0.5758	0.15253

Device Test: 17.19 _LEVEL|STATIC/SS_TR/12////@VREF_25C





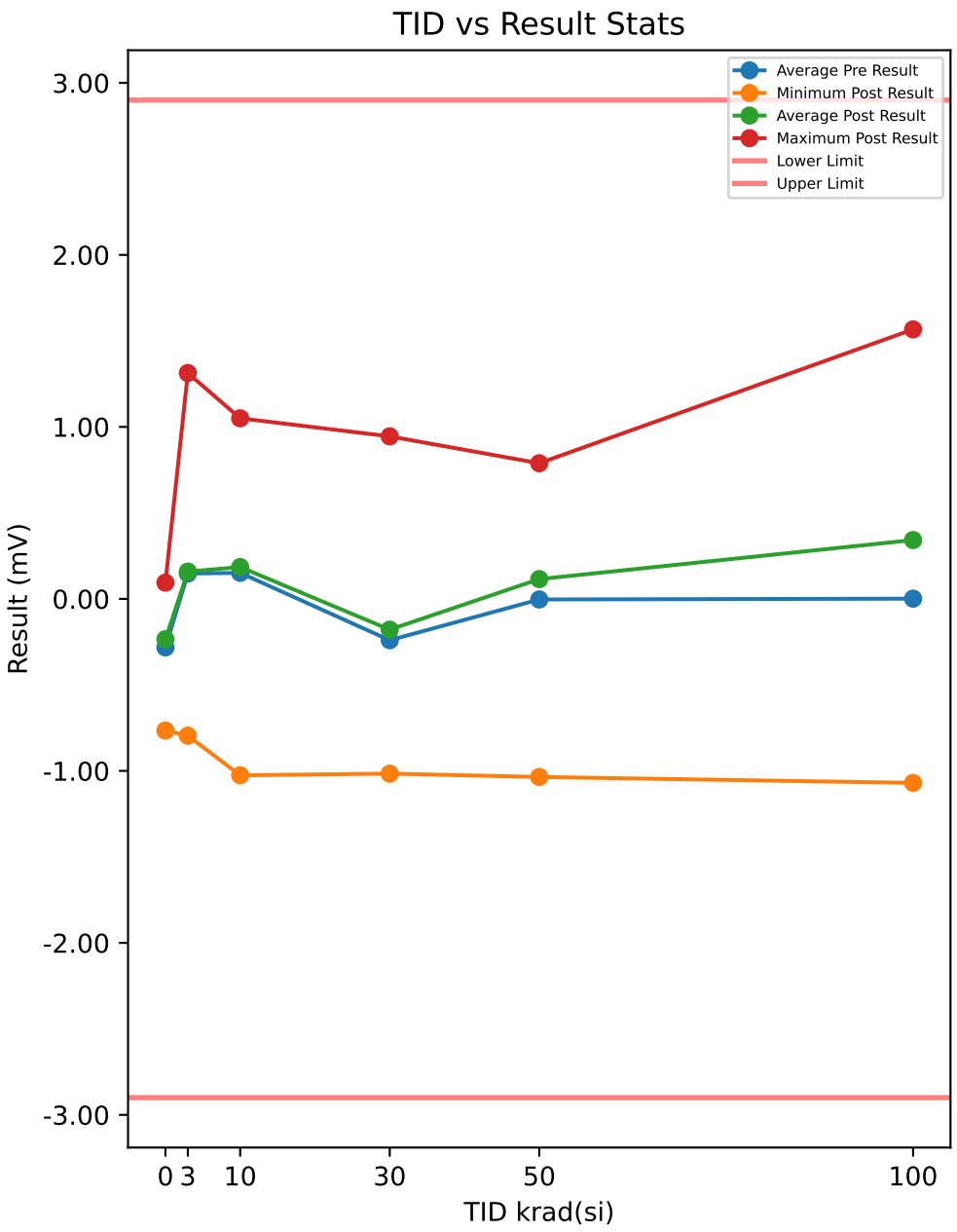
Test Results (Lower Limit = 0.596, Upper Limit = 0.603 (V))

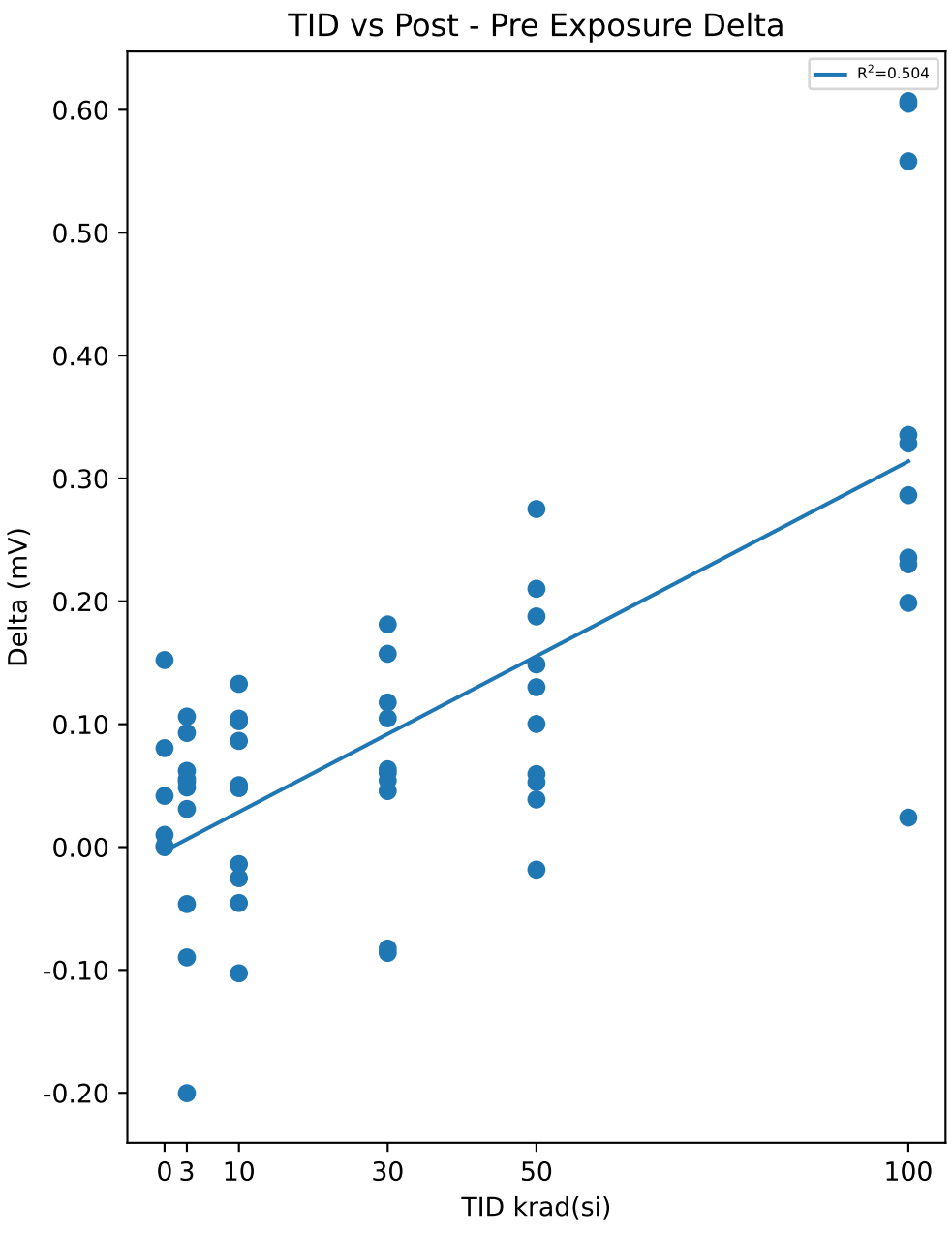
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	LDR Biased	0.5999	0.5995	-0.0004
2	3	LDR Biased	0.6	0.5994	-0.0006
3	3	LDR Biased	0.5992	0.5987	-0.0005
4	3	LDR Biased	0.5988	0.5988	0
5	3	LDR Biased	0.6001	0.5997	-0.0004
6	10	LDR Biased	0.5996	0.5995	-0.0001
7	10	LDR Biased	0.6003	0.6004	0.0001
8	10	LDR Biased	0.6001	0.5994	-0.0007
9	10	LDR Biased	0.5994	0.5994	0
10	10	LDR Biased	0.5999	0.5997	-0.0002
11	30	LDR Biased	0.6	0.5996	-0.0004
12	30	LDR Biased	0.5996	0.5995	-0.0001
13	30	LDR Biased	0.5987	0.5985	-0.0002
14	30	LDR Biased	0.5994	0.5992	-0.0002
15	30	LDR Biased	0.5989	0.5983	-0.0006
16	50	LDR Biased	0.6002	0.6001	-0.0001
17	50	LDR Biased	0.5996	0.6001	0.0005
18	50	LDR Biased	0.599	0.599	0
19	50	LDR Biased	0.5991	0.5981	-0.001
20	50	LDR Biased	0.5998	0.599	-0.0008
21	100	LDR Biased	0.5997	0.6003	0.0006
22	100	LDR Biased	0.599	0.5996	0.0006
23	100	LDR Biased	0.5988	0.5986	-0.0002
24	100	LDR Biased	0.5998	0.5998	0
25	100	LDR Biased	0.5999	0.5995	-0.0004
26	3	LDR Unbiased	0.5996	0.5992	-0.0004
27	3	LDR Unbiased	0.5999	0.5993	-0.0006
28	3	LDR Unbiased	0.5998	0.5996	-0.0002
29	3	LDR Unbiased	0.6002	0.6	-0.0002
30	3	LDR Unbiased	0.5989	0.5984	-0.0005
31	10	LDR Unbiased	0.6002	0.5995	-0.0007
32	10	LDR Unbiased	0.5998	0.5994	-0.0004
33	10	LDR Unbiased	0.6002	0.5998	-0.0004
34	10	LDR Unbiased	0.599	0.5985	-0.0005
35	10	LDR Unbiased	0.5994	0.5989	-0.0005
36	30	LDR Unbiased	0.5998	0.5991	-0.0007
37	30	LDR Unbiased	0.5996	0.5994	-0.0002
38	30	LDR Unbiased	0.5989	0.5991	0.0002
39	30	LDR Unbiased	0.5998	0.6002	0.0004
40	30	LDR Unbiased	0.6001	0.5989	-0.0012
41	50	LDR Unbiased	0.5998	0.5995	-0.0003
42	50	LDR Unbiased	0.5998	0.599	-0.0008
43	50	LDR Unbiased	0.5988	0.5986	-0.0002
44	50	LDR Unbiased	0.6002	0.5996	-0.0006
45	50	LDR Unbiased	0.5998	0.5989	-0.0009
46	100	LDR Unbiased	0.6002	0.6004	0.0002
47	100	LDR Unbiased	0.5994	0.6001	0.0007
48	100	LDR Unbiased	0.5997	0.5991	-0.0006
49	100	LDR Unbiased	0.5993	0.5989	-0.0004
50	100	LDR Unbiased	0.5999	0.5994	-0.0005
60	0	Correlation	0.6003	0.6004	0.0001
61	0	Correlation	0.6001	0.6001	0
62	0	Correlation	0.5998	0.5997	-0.0001
63	0	Correlation	0.6003	0.6004	0.0001
64	0	Correlation	0.5998	0.5998	0
65	0	Correlation	0.5996	0.5995	-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	0.5996	0.59998	0.6003	0.00029269	0.5995	0.59998	0.6004	0.00037639	-0.0001	3.7007e-17	0.0001	8.9443e-05
3	0.5988	0.59964	0.6002	0.00050155	0.5984	0.59926	0.6	0.00049486	-0.0006	-0.00038	0	0.00019322
10	0.599	0.59979	0.6003	0.00043063	0.5985	0.59945	0.6004	0.00050607	-0.0007	-0.00034	0.0001	0.00027968
30	0.5987	0.59948	0.6001	0.00049171	0.5983	0.59918	0.6002	0.00054732	-0.0012	-0.0003	0.0004	0.00045704
50	0.5988	0.59961	0.6002	0.00048637	0.5981	0.59919	0.6001	0.00063675	-0.001	-0.00042	0.0005	0.00048028
100	0.5988	0.59957	0.6002	0.00043729	0.5986	0.59957	0.6004	0.00059638	-0.0006	0	0.0007	0.00049666

Device Test: 17.2 _LEVEL|STATIC/VSNSP/4.5////@EA_INPUT_OFFSET_V





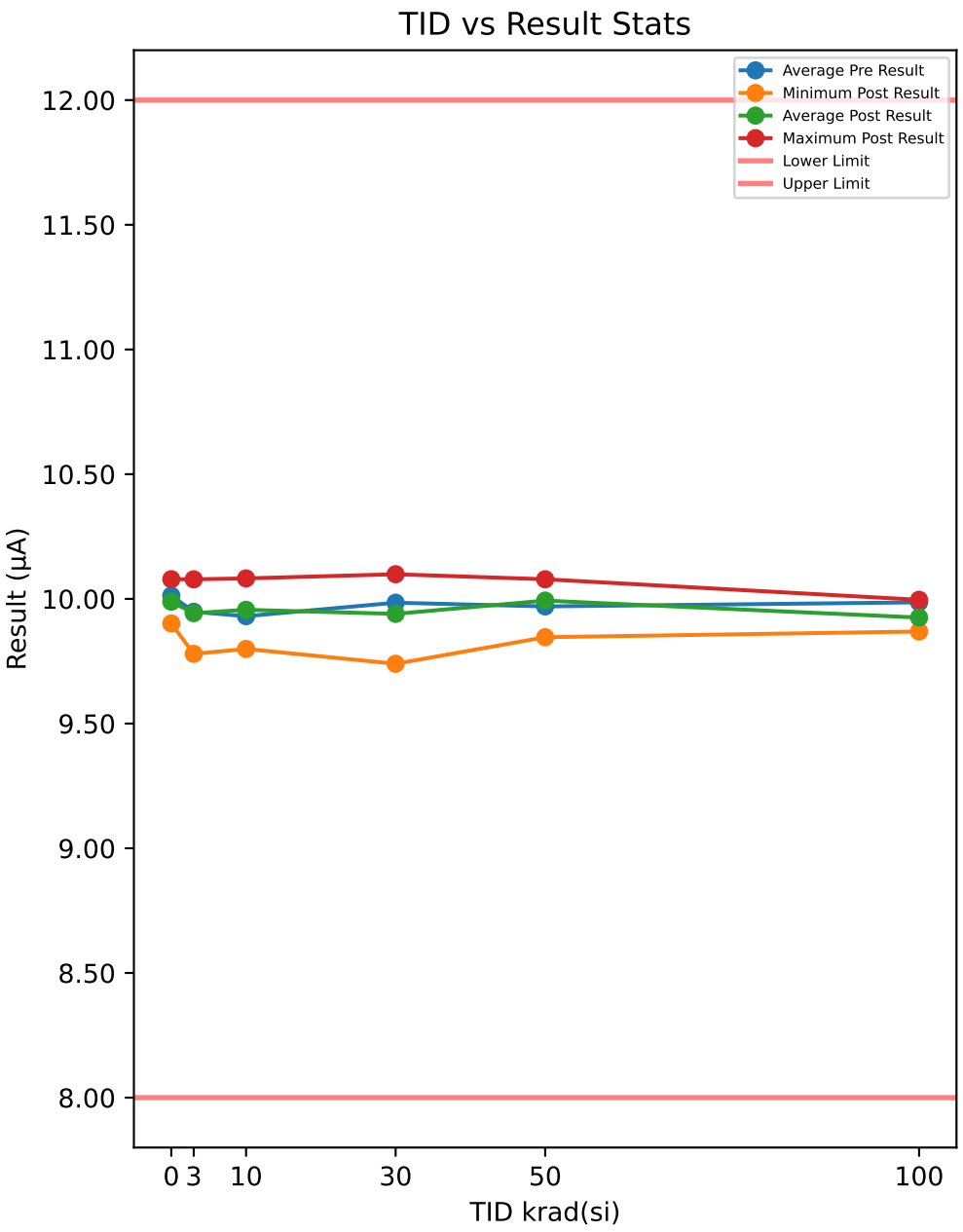
Test Results (Lower Limit = -2.9, Upper Limit = 2.9 (mV))

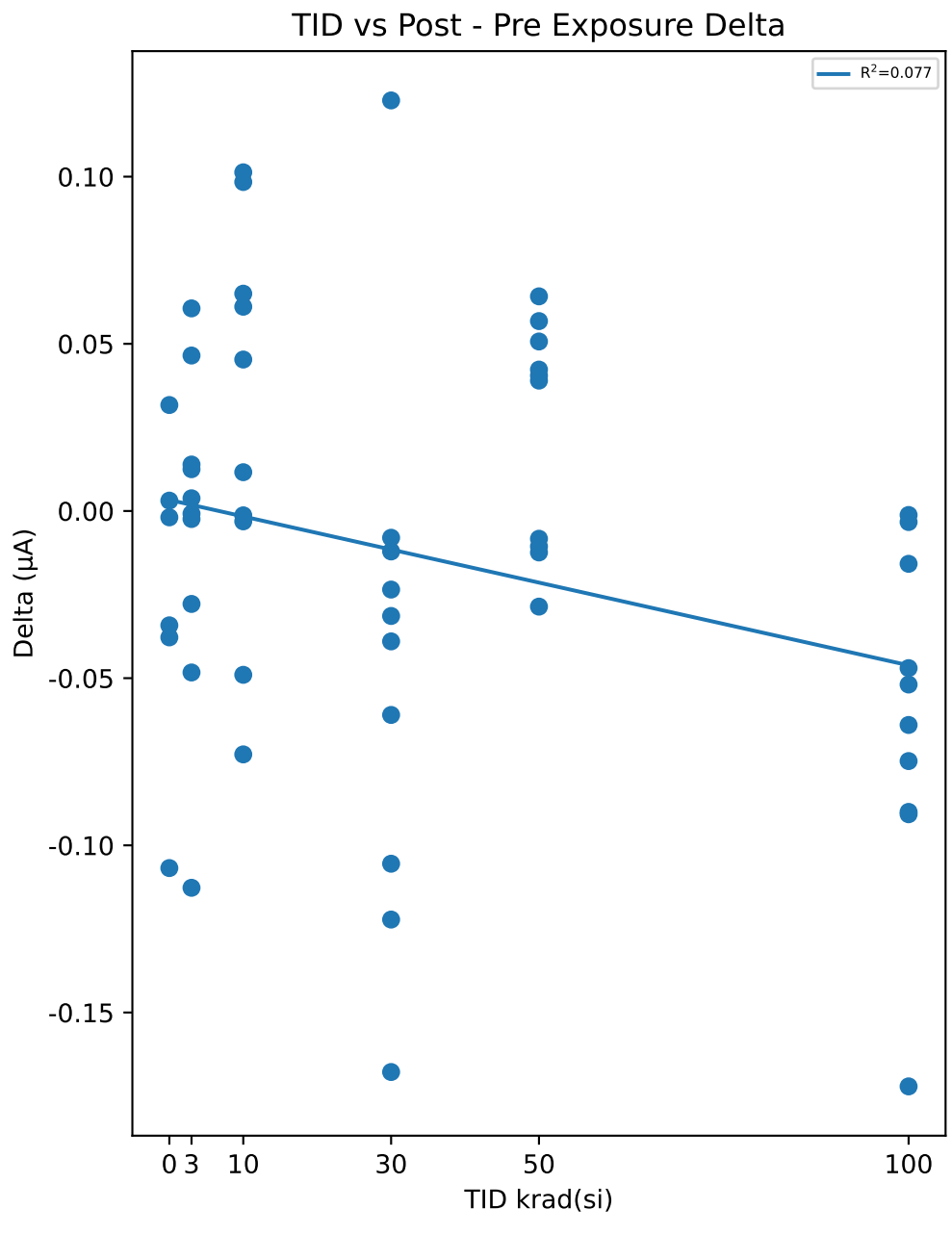
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	LDR Biased	0.7573	0.7109	-0.0464
2	3	LDR Biased	-0.3724	-0.4622	-0.0898
3	3	LDR Biased	1.2071	1.3133	0.1062
4	3	LDR Biased	0.0909	0.1394	0.0485
5	3	LDR Biased	0.4423	0.242	-0.2003
6	10	LDR Biased	0.0445	-0.001	-0.0455
7	10	LDR Biased	0.4047	0.5092	0.1045
8	10	LDR Biased	-1.0119	-1.0258	-0.0139
9	10	LDR Biased	0.5889	0.6913	0.1024
10	10	LDR Biased	0.9995	1.0499	0.0504
11	30	LDR Biased	0.8907	0.9449	0.0542
12	30	LDR Biased	0.1795	0.2399	0.0604
13	30	LDR Biased	-0.454	-0.3492	0.1048
14	30	LDR Biased	-0.9599	-0.8966	0.0633
15	30	LDR Biased	-0.2564	-0.2108	0.0456
16	50	LDR Biased	0.0581	0.1175	0.0594
17	50	LDR Biased	0.4116	0.3932	-0.0184
18	50	LDR Biased	-0.7303	-0.6775	0.0528
19	50	LDR Biased	0.0729	0.348	0.2751
20	50	LDR Biased	-1.1357	-1.0355	0.1002
21	100	LDR Biased	0.3682	0.7036	0.3354
22	100	LDR Biased	0.0881	0.3745	0.2864
23	100	LDR Biased	-0.2772	-0.0785	0.1987
24	100	LDR Biased	-0.7657	-0.5356	0.2301
25	100	LDR Biased	0.0623	0.6694	0.6071
26	3	LDR Unbiased	-0.8264	-0.7954	0.031
27	3	LDR Unbiased	0.7378	0.7933	0.0555
28	3	LDR Unbiased	-0.6843	-0.6309	0.0534
29	3	LDR Unbiased	0.5889	0.6509	0.062
30	3	LDR Unbiased	-0.4678	-0.3749	0.0929
31	10	LDR Unbiased	-0.0588	-0.1615	-0.1027
32	10	LDR Unbiased	0.6082	0.6946	0.0864
33	10	LDR Unbiased	0.3774	0.4254	0.048
34	10	LDR Unbiased	-0.4291	-0.2963	0.1328
35	10	LDR Unbiased	-0.0114	-0.0367	-0.0253
36	30	LDR Unbiased	0.2017	0.1191	-0.0826
37	30	LDR Unbiased	0.0593	0.2405	0.1812
38	30	LDR Unbiased	-0.1308	-0.0131	0.1177
39	30	LDR Unbiased	-1.004	-0.8467	0.1573
40	30	LDR Unbiased	-0.9301	-1.0162	-0.0861
41	50	LDR Unbiased	0.4677	0.6554	0.1877
42	50	LDR Unbiased	-0.4838	-0.3352	0.1486
43	50	LDR Unbiased	0.4538	0.664	0.2102
44	50	LDR Unbiased	0.6584	0.7885	0.1301
45	50	LDR Unbiased	0.1931	0.2318	0.0387
46	100	LDR Unbiased	0.962	1.5669	0.6049
47	100	LDR Unbiased	-1.3054	-1.0699	0.2355
48	100	LDR Unbiased	0.3181	0.6466	0.3285
49	100	LDR Unbiased	0.3433	0.3673	0.024
50	100	LDR Unbiased	0.2183	0.7764	0.5581
60	0	Correlation	-0.8461	-0.7656	0.0805
61	0	Correlation	0.0526	0.0943	0.0417
62	0	Correlation	-0.3217	-0.3118	0.0099
63	0	Correlation	-0.2747	-0.1225	0.1522
64	0	Correlation	-0.2876	-0.2877	-0.0001
65	0	Correlation	-0.015	-0.0139	0.0011

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	-0.8461	-0.28208	0.0526	0.31721	-0.7656	-0.23453	0.0943	0.30338	-0.0001	0.04755	0.1522	0.059862
3	-0.8264	0.14734	1.2071	0.70058	-0.7954	0.15864	1.3133	0.70666	-0.2003	0.0113	0.1062	0.095486
10	-1.0119	0.1512	0.9995	0.57802	-1.0258	0.18491	1.0499	0.60814	-0.1027	0.03371	0.1328	0.077056
30	-1.004	-0.2404	0.8907	0.6124	-1.0162	-0.17882	0.9449	0.61668	-0.0861	0.06158	0.1812	0.089069
50	-1.1357	-0.00342	0.6584	0.58979	-1.0355	0.11502	0.7885	0.6098	-0.0184	0.11844	0.2751	0.089452
100	-1.3054	0.0012	0.962	0.64175	-1.0699	0.34207	1.5669	0.74252	0.024	0.34087	0.6071	0.19291

Device Test: 17.20 _IDD|POWERED/VSNSN/12////@VSNSM_CURR





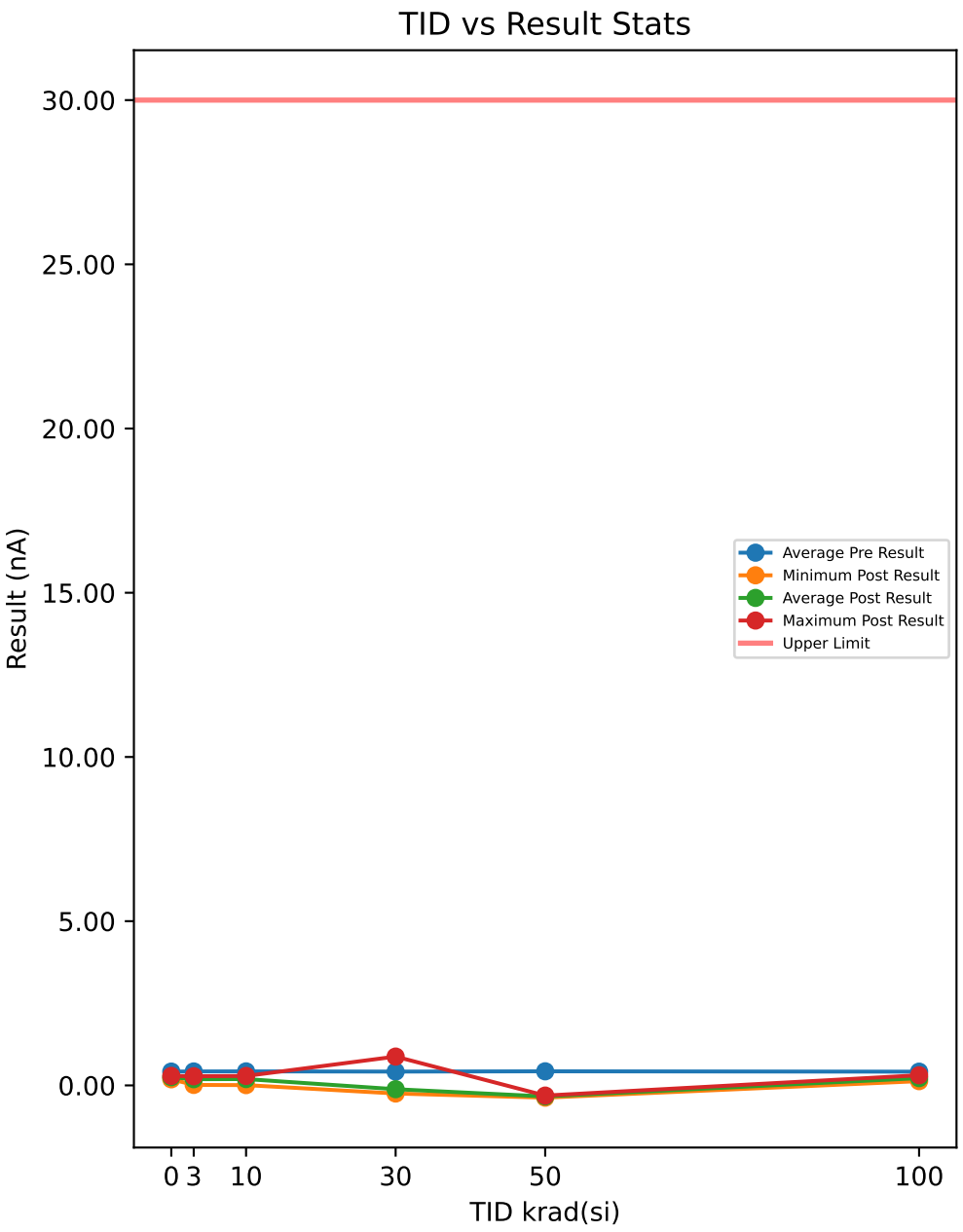
Test Results (Lower Limit = 8.0, Upper Limit = 12.0 (µA))

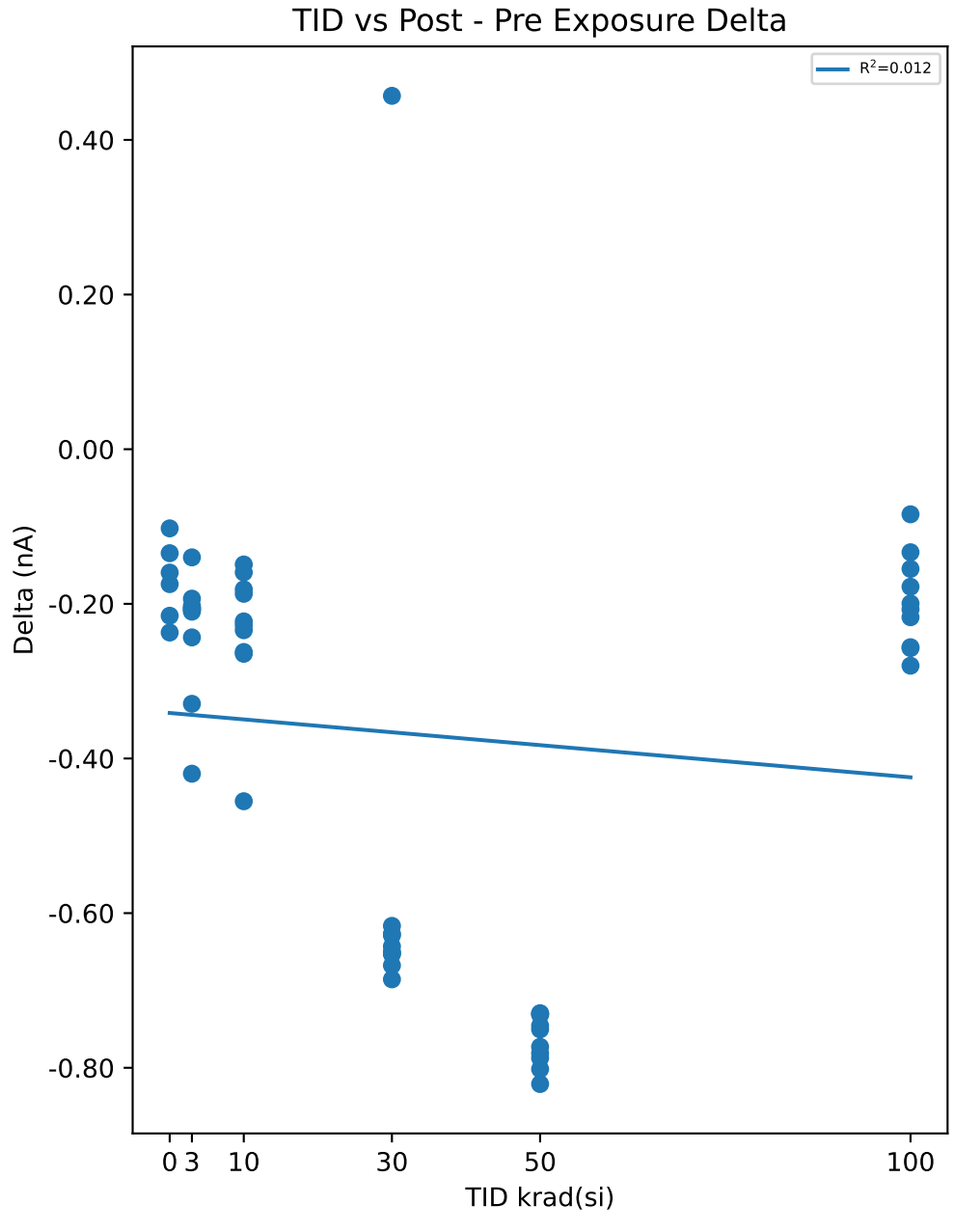
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	LDR Biased	10.005	9.9567	-0.0483
2	3	LDR Biased	9.7914	9.7952	0.0038
3	3	LDR Biased	9.8902	9.8624	-0.0278
4	3	LDR Biased	9.9993	10.046	0.0465
5	3	LDR Biased	10.018	10.078	0.0606
6	10	LDR Biased	9.698	9.7993	0.1013
7	10	LDR Biased	10.003	9.9542	-0.049
8	10	LDR Biased	10.021	10.082	0.0611
9	10	LDR Biased	9.8924	9.8893	-0.0031
10	10	LDR Biased	9.9717	10.017	0.0453
11	30	LDR Biased	9.9566	9.9445	-0.0121
12	30	LDR Biased	10.109	9.9864	-0.1222
13	30	LDR Biased	9.8728	9.9956	0.1228
14	30	LDR Biased	10.107	10.099	-0.008
15	30	LDR Biased	10.069	9.9014	-0.1678
16	50	LDR Biased	10.02	10.012	-0.0083
17	50	LDR Biased	9.9654	10.004	0.039
18	50	LDR Biased	9.999	10.063	0.0642
19	50	LDR Biased	9.9009	9.9516	0.0507
20	50	LDR Biased	10.091	10.079	-0.0124
21	100	LDR Biased	9.9225	9.9213	-0.0012
22	100	LDR Biased	10.014	9.9496	-0.064
23	100	LDR Biased	9.9833	9.9085	-0.0748
24	100	LDR Biased	9.9786	9.9267	-0.0519
25	100	LDR Biased	9.9842	9.8935	-0.0907
26	3	LDR Unbiased	10.134	10.021	-0.1127
27	3	LDR Unbiased	9.782	9.7796	-0.0024
28	3	LDR Unbiased	9.9935	10.006	0.0125
29	3	LDR Unbiased	9.8086	9.8225	0.0139
30	3	LDR Unbiased	10.06	10.059	-0.0008
31	10	LDR Unbiased	10.015	9.9424	-0.0728
32	10	LDR Unbiased	9.958	9.9567	-0.0013
33	10	LDR Unbiased	9.9845	9.9961	0.0116
34	10	LDR Unbiased	9.7991	9.8975	0.0984
35	10	LDR Unbiased	9.9629	10.028	0.065
36	30	LDR Unbiased	9.7712	9.7398	-0.0314
37	30	LDR Unbiased	10.102	9.9963	-0.1055
38	30	LDR Unbiased	9.9805	9.9195	-0.061
39	30	LDR Unbiased	9.906	9.867	-0.039
40	30	LDR Unbiased	9.9732	9.9497	-0.0235
41	50	LDR Unbiased	10.064	10.036	-0.0286
42	50	LDR Unbiased	9.8569	9.8463	-0.0106
43	50	LDR Unbiased	9.9189	9.9612	0.0423
44	50	LDR Unbiased	10.02	10.077	0.0568
45	50	LDR Unbiased	9.8611	9.9016	0.0405
46	100	LDR Unbiased	10.086	9.9963	-0.09
47	100	LDR Unbiased	9.8725	9.8692	-0.0033
48	100	LDR Unbiased	10.066	9.8938	-0.1721
49	100	LDR Unbiased	9.9767	9.9609	-0.0158
50	100	LDR Unbiased	9.9776	9.9306	-0.047
60	0	Correlation	10.047	10.079	0.0317
61	0	Correlation	9.9968	9.959	-0.0378
62	0	Correlation	9.9492	9.9523	0.0031
63	0	Correlation	10.069	9.9617	-0.1068
64	0	Correlation	9.9034	9.9015	-0.0019
65	0	Correlation	10.113	10.079	-0.0342

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	9.9034	10.013	10.113	0.07825	9.9015	9.9887	10.079	0.073228	-0.1068	-0.024317	0.0317	0.047906
3	9.782	9.9482	10.134	0.12237	9.7796	9.9427	10.078	0.11654	-0.1127	-0.00547	0.0606	0.049117
10	9.698	9.9306	10.021	0.10533	9.7993	9.9563	10.082	0.080976	-0.0728	0.02565	0.1013	0.058899
30	9.7712	9.9847	10.109	0.1137	9.7398	9.9399	10.099	0.094906	-0.1678	-0.04477	0.1228	0.079055
50	9.8569	9.9698	10.091	0.082661	9.8463	9.9931	10.079	0.077613	-0.0286	0.02336	0.0642	0.034262
100	9.8725	9.9861	10.086	0.061772	9.8692	9.925	9.9963	0.037084	-0.1721	-0.06108	-0.0012	0.051091

Device Test: 17.21 _LEAK|POWERED/VSNSP/12////@VSNSP_LKG_CURR_0P6V





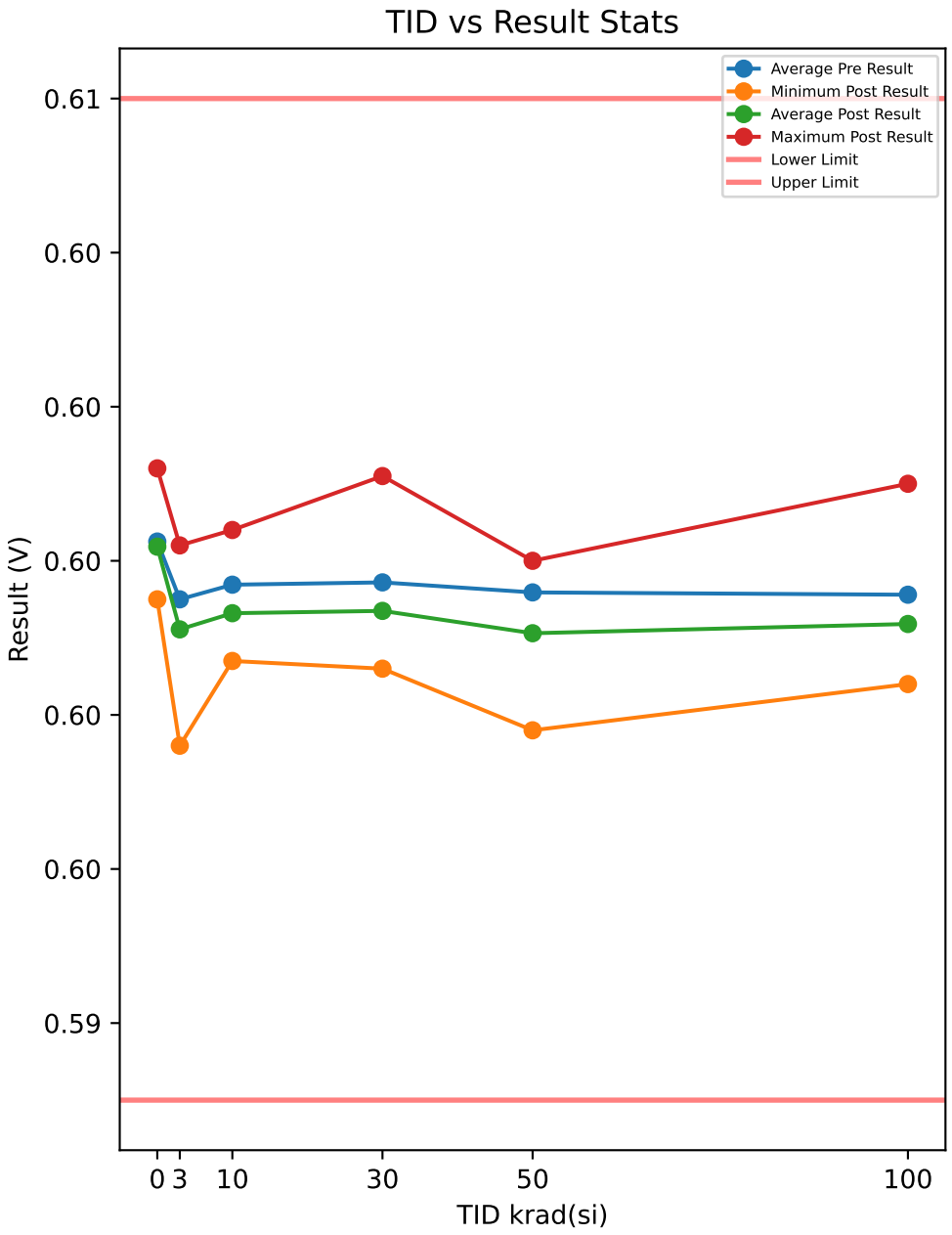
Test Results (Upper Limit = 30.0 (nA))

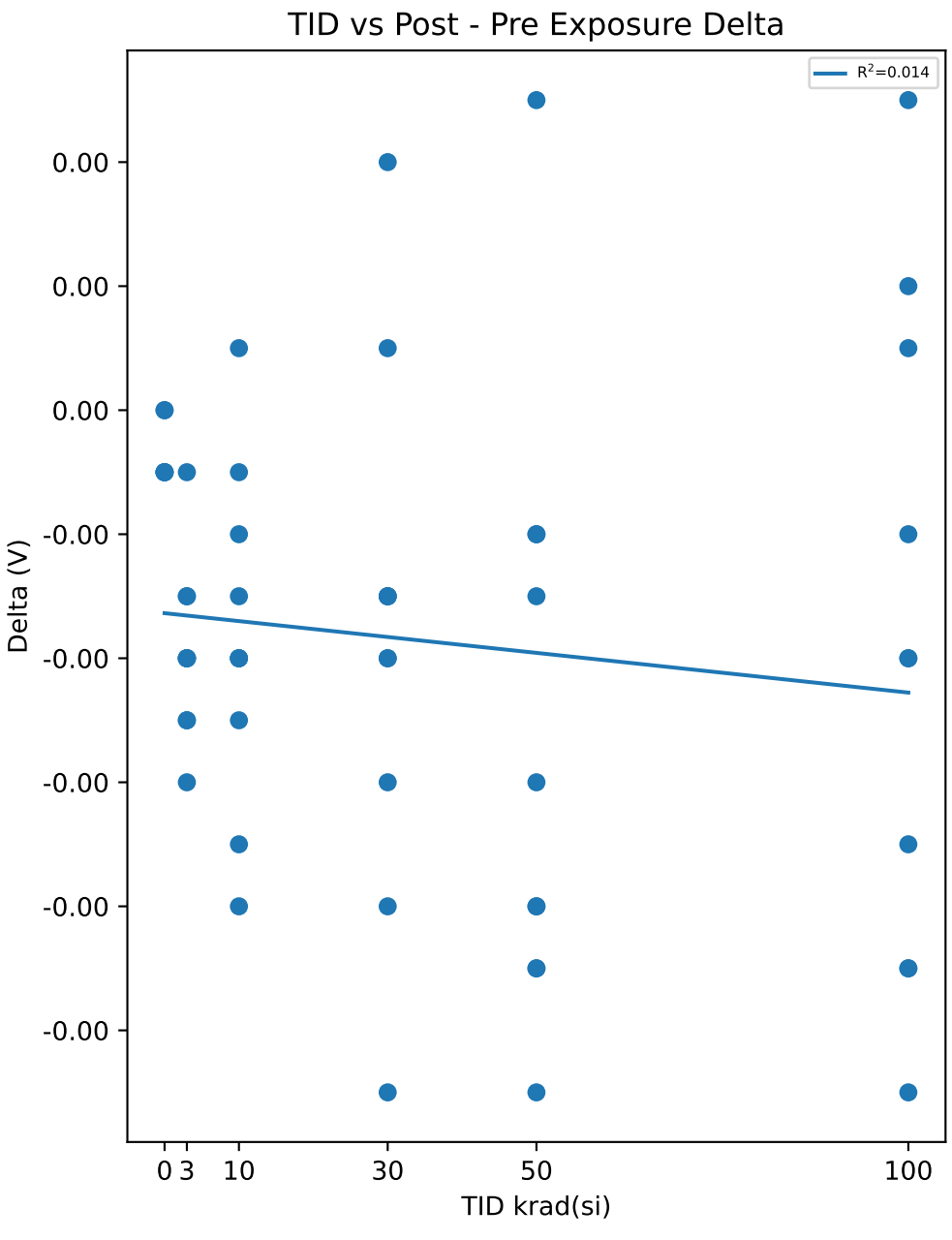
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	LDR Biased	0.3932	0.1866	-0.2066
2	3	LDR Biased	0.4185	0.2786	-0.1399
3	3	LDR Biased	0.4335	0.2283	-0.2052
4	3	LDR Biased	0.436	0.2333	-0.2027
5	3	LDR Biased	0.4143	0.221	-0.1933
6	10	LDR Biased	0.4321	0.1675	-0.2646
7	10	LDR Biased	0.4459	0.2118	-0.2341
8	10	LDR Biased	0.4025	0.2155	-0.187
9	10	LDR Biased	0.4066	0.2254	-0.1812
10	10	LDR Biased	0.4355	0.2128	-0.2227
11	30	LDR Biased	0.4204	0.8774	0.457
12	30	LDR Biased	0.4208	-0.2324	-0.6532
13	30	LDR Biased	0.4474	-0.2202	-0.6676
14	30	LDR Biased	0.4035	-0.2465	-0.65
15	30	LDR Biased	0.4084	-0.2436	-0.652
16	50	LDR Biased	0.4667	-0.3543	-0.821
17	50	LDR Biased	0.4198	-0.3102	-0.73
18	50	LDR Biased	0.4465	-0.3264	-0.7729
19	50	LDR Biased	0.4464	-0.335	-0.7814
20	50	LDR Biased	0.4284	-0.3733	-0.8017
21	100	LDR Biased	0.3995	0.1822	-0.2173
22	100	LDR Biased	0.4092	0.1292	-0.28
23	100	LDR Biased	0.4265	0.2717	-0.1548
24	100	LDR Biased	0.4089	0.2756	-0.1333
25	100	LDR Biased	0.4079	0.2083	-0.1996
26	3	LDR Unbiased	0.4346	0.0149	-0.4197
27	3	LDR Unbiased	0.4181	0.1747	-0.2434
28	3	LDR Unbiased	0.4396	0.1103	-0.3293
29	3	LDR Unbiased	0.4283	0.2205	-0.2078
30	3	LDR Unbiased	0.4294	0.2193	-0.2101
31	10	LDR Unbiased	0.4092	0.2499	-0.1593
32	10	LDR Unbiased	0.4642	0.0089	-0.4553
33	10	LDR Unbiased	0.4366	0.2875	-0.1491
34	10	LDR Unbiased	0.4026	0.175	-0.2276
35	10	LDR Unbiased	0.4349	0.1726	-0.2623
36	30	LDR Unbiased	0.4223	-0.2207	-0.643
37	30	LDR Unbiased	0.4102	-0.2165	-0.6267
38	30	LDR Unbiased	0.4451	-0.2405	-0.6856
39	30	LDR Unbiased	0.4138	-0.215	-0.6288
40	30	LDR Unbiased	0.4159	-0.2006	-0.6165
41	50	LDR Unbiased	0.4163	-0.334	-0.7503
42	50	LDR Unbiased	0.449	-0.3384	-0.7874
43	50	LDR Unbiased	0.3994	-0.3301	-0.7295
44	50	LDR Unbiased	0.4155	-0.3301	-0.7456
45	50	LDR Unbiased	0.4007	-0.3307	-0.7314
46	100	LDR Unbiased	0.4189	0.2118	-0.2071
47	100	LDR Unbiased	0.3935	0.3093	-0.0842
48	100	LDR Unbiased	0.4285	0.1724	-0.2561
49	100	LDR Unbiased	0.4461	0.1889	-0.2572
50	100	LDR Unbiased	0.4439	0.266	-0.1779
60	0	Correlation	0.4169	0.2424	-0.1745
61	0	Correlation	0.423	0.1859	-0.2371
62	0	Correlation	0.4309	0.2155	-0.2154
63	0	Correlation	0.4369	0.2773	-0.1596
64	0	Correlation	0.3916	0.2892	-0.1024
65	0	Correlation	0.4234	0.2889	-0.1345

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	0.3916	0.42045	0.4369	0.015748	0.1859	0.24987	0.2892	0.042783	-0.2371	-0.17058	-0.1024	0.05004
3	0.3932	0.42455	0.4396	0.013914	0.0149	0.18875	0.2786	0.075413	-0.4197	-0.2358	-0.1399	0.080244
10	0.4025	0.42701	0.4642	0.020877	0.0089	0.19269	0.2875	0.07435	-0.4553	-0.23432	-0.1491	0.087346
30	0.4035	0.42078	0.4474	0.014678	-0.2465	-0.11586	0.8774	0.3493	-0.6856	-0.53664	0.457	0.34971
50	0.3994	0.42887	0.4667	0.022449	-0.3733	-0.33625	-0.3102	0.01697	-0.821	-0.76512	-0.7295	0.032528
100	0.3935	0.41829	0.4461	0.017788	0.1292	0.22154	0.3093	0.056707	-0.28	-0.19675	-0.0842	0.060967

Device Test: 17.25 _LEVEL|STATIC/VSNSP/14////@VREF_PLUS_OFFSET





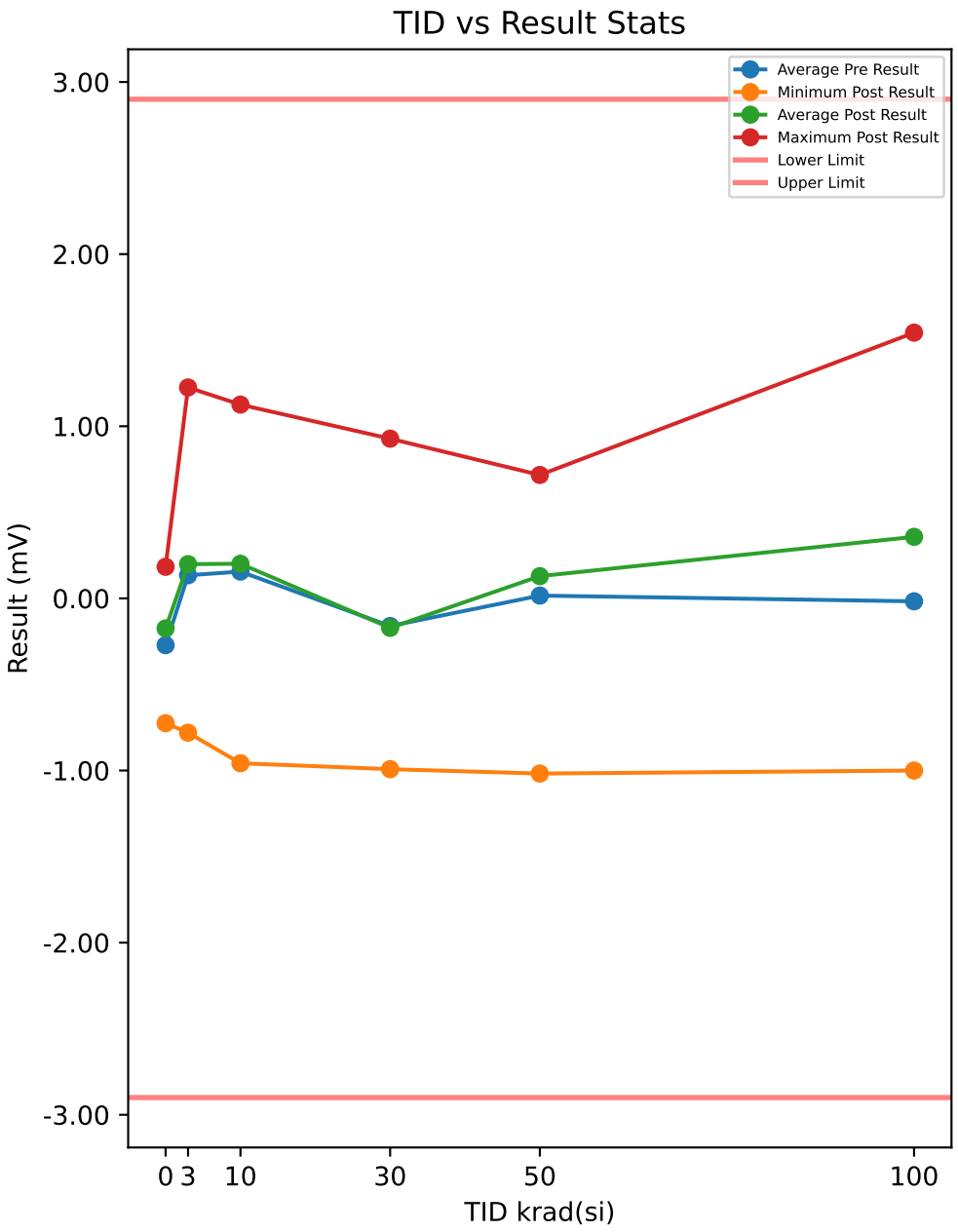
Test Results (Lower Limit = 0.593, Upper Limit = 0.606 (V))

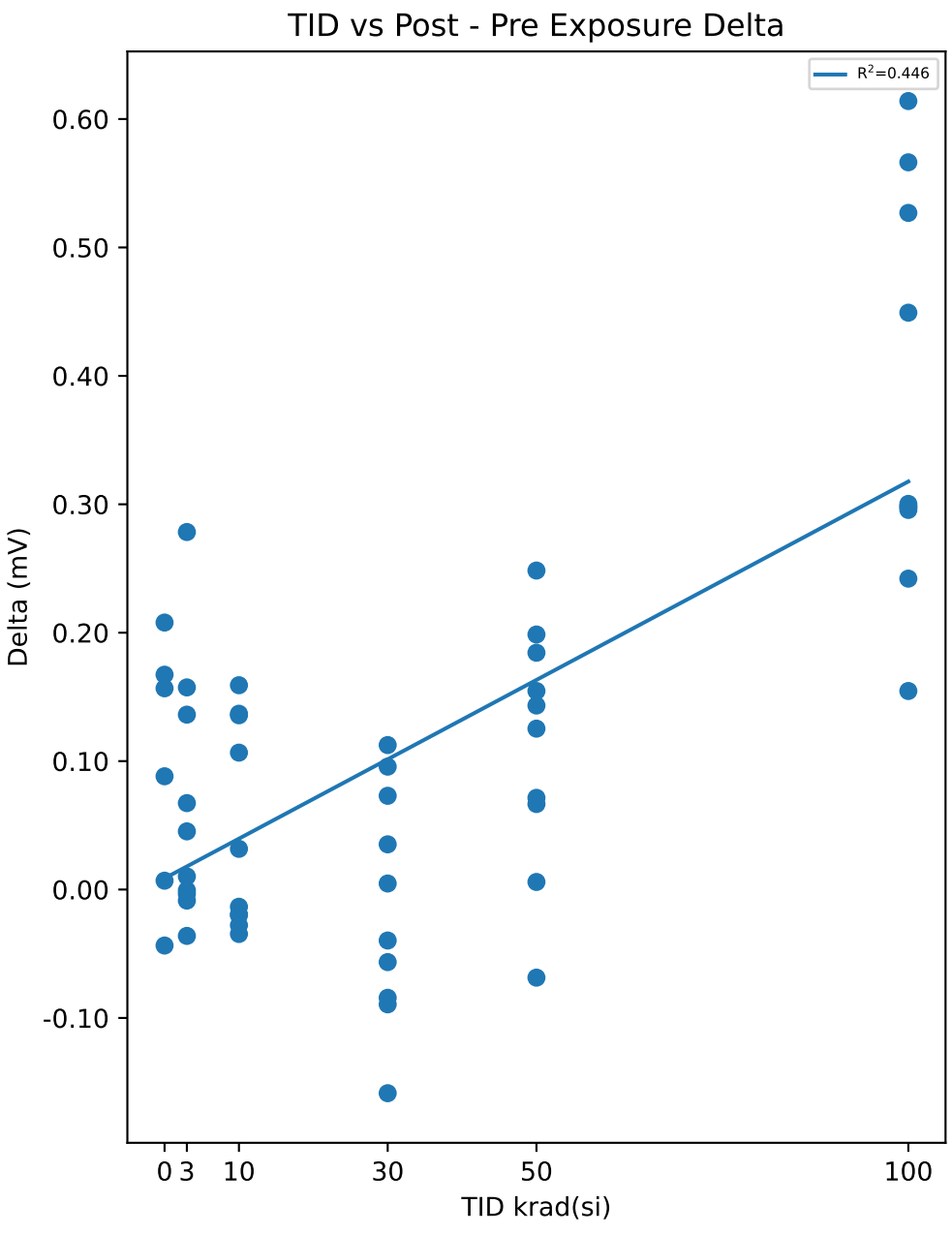
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	LDR Biased	0.5992	0.5986	-0.0006
2	3	LDR Biased	0.6003	0.5998	-0.0005
3	3	LDR Biased	0.598	0.5976	-0.0004
4	3	LDR Biased	0.5986	0.5985	-0.0001
5	3	LDR Biased	0.5998	0.5994	-0.0004
6	10	LDR Biased	0.5997	0.5995	-0.0002
7	10	LDR Biased	0.5998	0.5999	0.0001
8	10	LDR Biased	0.6011	0.6004	-0.0007
9	10	LDR Biased	0.599	0.5989	-0.0001
10	10	LDR Biased	0.599	0.5987	-0.0003
11	30	LDR Biased	0.599	0.5986	-0.0004
12	30	LDR Biased	0.5995	0.5992	-0.0003
13	30	LDR Biased	0.5992	0.5988	-0.0004
14	30	LDR Biased	0.6004	0.6001	-0.0003
15	30	LDR Biased	0.5992	0.5986	-0.0006
16	50	LDR Biased	0.6002	0.6	-0.0002
17	50	LDR Biased	0.5992	0.5997	0.0005
18	50	LDR Biased	0.5998	0.5996	-0.0002
19	50	LDR Biased	0.5989	0.5978	-0.0011
20	50	LDR Biased	0.6008	0.6	-0.0008
21	100	LDR Biased	0.5994	0.5996	0.0002
22	100	LDR Biased	0.599	0.5991	0.0001
23	100	LDR Biased	0.599	0.5986	-0.0004
24	100	LDR Biased	0.6006	0.6002	-0.0004
25	100	LDR Biased	0.5998	0.5989	-0.0009
26	3	LDR Unbiased	0.6004	0.6001	-0.0003
27	3	LDR Unbiased	0.599	0.5986	-0.0004
28	3	LDR Unbiased	0.6005	0.6002	-0.0003
29	3	LDR Unbiased	0.5998	0.5994	-0.0004
30	3	LDR Unbiased	0.5994	0.5989	-0.0005
31	10	LDR Unbiased	0.6005	0.5997	-0.0008
32	10	LDR Unbiased	0.5992	0.5988	-0.0004
33	10	LDR Unbiased	0.5998	0.5994	-0.0004
34	10	LDR Unbiased	0.5994	0.5989	-0.0005
35	10	LDR Unbiased	0.5994	0.599	-0.0004
36	30	LDR Unbiased	0.5997	0.5989	-0.0008
37	30	LDR Unbiased	0.5994	0.5991	-0.0003
38	30	LDR Unbiased	0.599	0.5991	0.0001
39	30	LDR Unbiased	0.6007	0.6011	0.0004
40	30	LDR Unbiased	0.6011	0.6	-0.0011
41	50	LDR Unbiased	0.5994	0.5988	-0.0006
42	50	LDR Unbiased	0.6002	0.5993	-0.0009
43	50	LDR Unbiased	0.5983	0.598	-0.0003
44	50	LDR Unbiased	0.5996	0.5988	-0.0008
45	50	LDR Unbiased	0.5995	0.5986	-0.0009
46	100	LDR Unbiased	0.599	0.5988	-0.0002
47	100	LDR Unbiased	0.6005	0.601	0.0005
48	100	LDR Unbiased	0.5996	0.5985	-0.0011
49	100	LDR Unbiased	0.5991	0.5984	-0.0007
50	100	LDR Unbiased	0.5996	0.5987	-0.0009
60	0	Correlation	0.6012	0.6012	0
61	0	Correlation	0.6	0.5999	-0.0001
62	0	Correlation	0.6	0.6	0
63	0	Correlation	0.6006	0.6005	-0.0001
64	0	Correlation	0.6001	0.6	-0.0001
65	0	Correlation	0.5996	0.5995	-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	0.5996	0.60025	0.6012	0.0005648	0.5995	0.60018	0.6012	0.00059133	-0.0001	-6.6667e-05	0	5.164e-05
3	0.598	0.5995	0.6005	0.00081921	0.5976	0.59911	0.6002	0.00081847	-0.0006	-0.00039	-0.0001	0.00013703
10	0.599	0.59969	0.6011	0.00066908	0.5987	0.59932	0.6004	0.00055737	-0.0008	-0.00037	0.0001	0.00026687
30	0.599	0.59972	0.6011	0.00074952	0.5986	0.59935	0.6011	0.0008045	-0.0011	-0.00037	0.0004	0.00042177
50	0.5983	0.59959	0.6008	0.00071407	0.5978	0.59906	0.6	0.00078768	-0.0011	-0.00053	0.0005	0.00048086
100	0.599	0.59956	0.6006	0.00059666	0.5984	0.59918	0.601	0.00084301	-0.0011	-0.00038	0.0005	0.00053083

Device Test: 17.26 _LEVEL|STATIC/VSNSP/14////@EA_INPUT_OFFSET_V





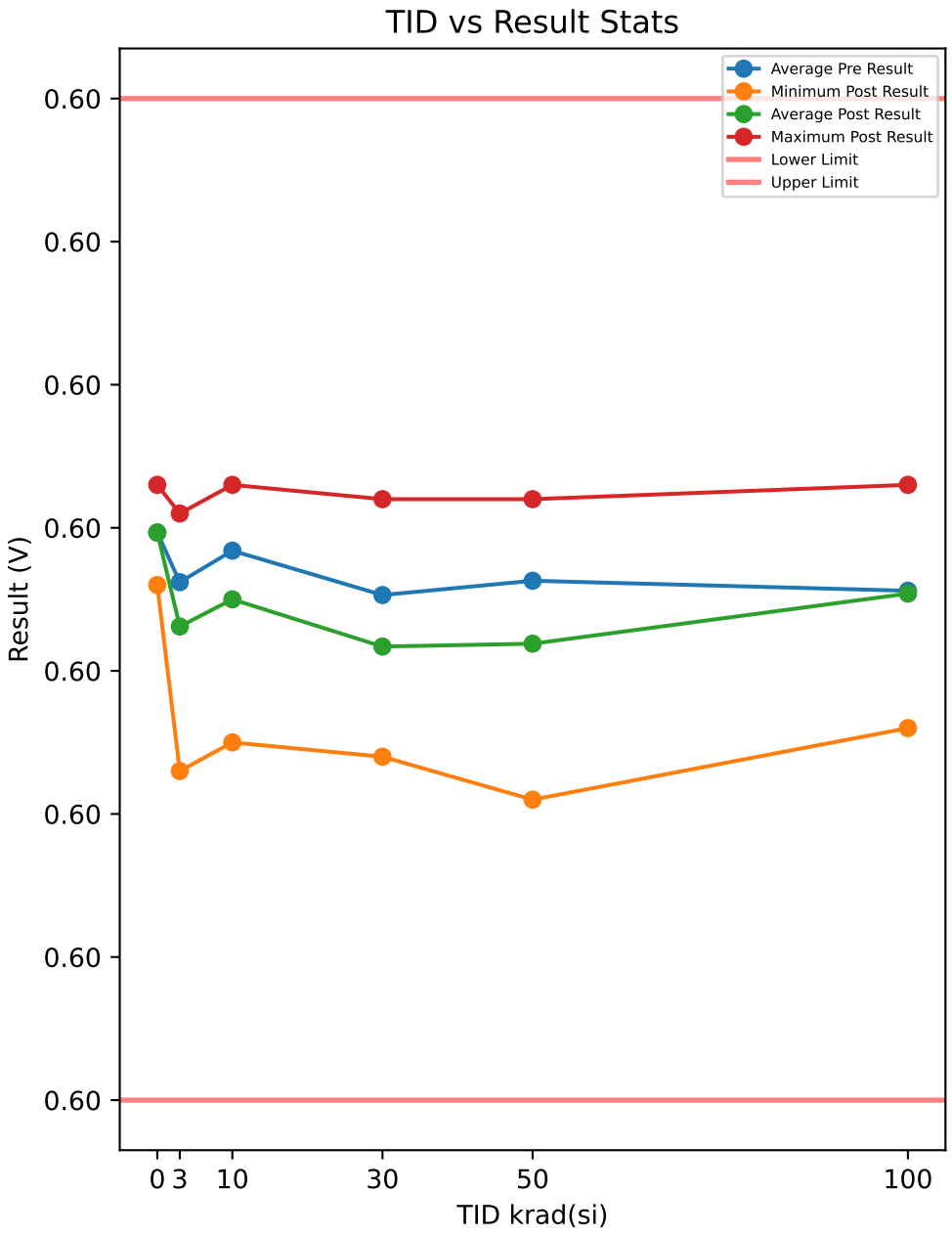
Test Results (Lower Limit = -2.9, Upper Limit = 2.9 (mV))

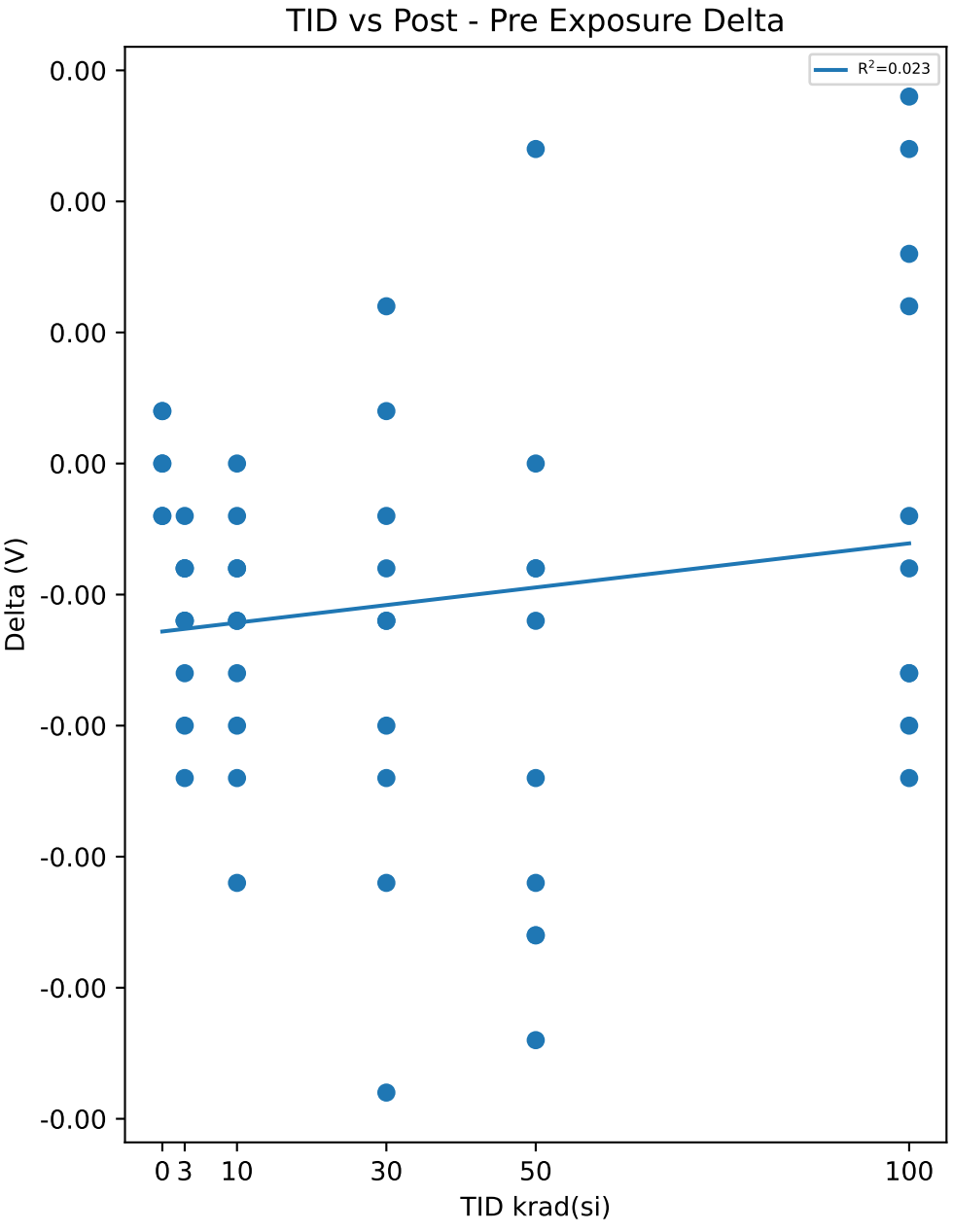
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	LDR Biased	0.8445	0.9118	0.0673
2	3	LDR Biased	-0.4023	-0.357	0.0453
3	3	LDR Biased	1.2152	1.2254	0.0102
4	3	LDR Biased	0.1693	0.1607	-0.0086
5	3	LDR Biased	0.2436	0.3798	0.1362
6	10	LDR Biased	-0.0054	-0.0248	-0.0194
7	10	LDR Biased	0.5193	0.4847	-0.0346
8	10	LDR Biased	-0.9895	-0.9578	0.0317
9	10	LDR Biased	0.5326	0.6392	0.1066
10	10	LDR Biased	0.9901	1.1258	0.1357
11	30	LDR Biased	0.9232	0.9279	0.0047
12	30	LDR Biased	0.189	0.2242	0.0352
13	30	LDR Biased	-0.3903	-0.2946	0.0957
14	30	LDR Biased	-0.9107	-0.9672	-0.0565
15	30	LDR Biased	-0.1644	-0.2041	-0.0397
16	50	LDR Biased	0.089	0.0949	0.0059
17	50	LDR Biased	0.3352	0.4785	0.1433
18	50	LDR Biased	-0.7966	-0.6713	0.1253
19	50	LDR Biased	0.1645	0.3631	0.1986
20	50	LDR Biased	-1.0891	-1.0177	0.0714
21	100	LDR Biased	0.4381	0.7337	0.2956
22	100	LDR Biased	0.1472	0.445	0.2978
23	100	LDR Biased	-0.174	-0.0194	0.1546
24	100	LDR Biased	-0.816	-0.5178	0.2982
25	100	LDR Biased	0.1441	0.5933	0.4492
26	3	LDR Unbiased	-0.7769	-0.7803	-0.0034
27	3	LDR Unbiased	0.6197	0.8981	0.2784
28	3	LDR Unbiased	-0.6015	-0.6021	-0.0006
29	3	LDR Unbiased	0.5498	0.7072	0.1574
30	3	LDR Unbiased	-0.5181	-0.5542	-0.0361
31	10	LDR Unbiased	-0.0409	-0.0608	-0.0199
32	10	LDR Unbiased	0.7073	0.6939	-0.0134
33	10	LDR Unbiased	0.3329	0.492	0.1591
34	10	LDR Unbiased	-0.3671	-0.3949	-0.0278
35	10	LDR Unbiased	-0.1231	0.0138	0.1369
36	30	LDR Unbiased	0.198	0.3105	0.1125
37	30	LDR Unbiased	0.4357	0.2771	-0.1586
38	30	LDR Unbiased	0.0049	-0.0794	-0.0843
39	30	LDR Unbiased	-0.8255	-0.9149	-0.0894
40	30	LDR Unbiased	-1.0652	-0.9922	0.073
41	50	LDR Unbiased	0.5298	0.6844	0.1546
42	50	LDR Unbiased	-0.4788	-0.2944	0.1844
43	50	LDR Unbiased	0.4381	0.6865	0.2484
44	50	LDR Unbiased	0.7856	0.717	-0.0686
45	50	LDR Unbiased	0.1843	0.2509	0.0666
46	100	LDR Unbiased	1.0169	1.5438	0.5269
47	100	LDR Unbiased	-1.2423	-1.0002	0.2421
48	100	LDR Unbiased	0.0839	0.6502	0.5663
49	100	LDR Unbiased	0.1055	0.4058	0.3003
50	100	LDR Unbiased	0.1264	0.7404	0.614
60	0	Correlation	-0.8923	-0.725	0.1673
61	0	Correlation	0.0953	0.1835	0.0882
62	0	Correlation	-0.3801	-0.2234	0.1567
63	0	Correlation	-0.1651	-0.1582	0.0069
64	0	Correlation	-0.1777	-0.2213	-0.0436
65	0	Correlation	-0.1108	0.0971	0.2079

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	-0.8923	-0.27178	0.0953	0.3399	-0.725	-0.17455	0.1835	0.31932	-0.0436	0.097233	0.2079	0.098761
3	-0.7769	0.13433	1.2152	0.68145	-0.7803	0.19894	1.2254	0.73182	-0.0361	0.06461	0.2784	0.098411
10	-0.9895	0.15562	0.9901	0.58054	-0.9578	0.20111	1.1258	0.60625	-0.0346	0.04549	0.1591	0.079628
30	-1.0652	-0.16053	0.9232	0.63981	-0.9922	-0.17127	0.9279	0.63969	-0.1586	-0.01074	0.1125	0.089612
50	-1.0891	0.0162	0.7856	0.60722	-1.0177	0.12919	0.717	0.60486	-0.0686	0.11299	0.2484	0.095389
100	-1.2423	-0.01702	1.0169	0.62709	-1.0002	0.35748	1.5438	0.71479	0.1546	0.3745	0.614	0.15358

Device Test: 17.27 _LEVEL|STATIC/SS_TR/14////@VREF_25C





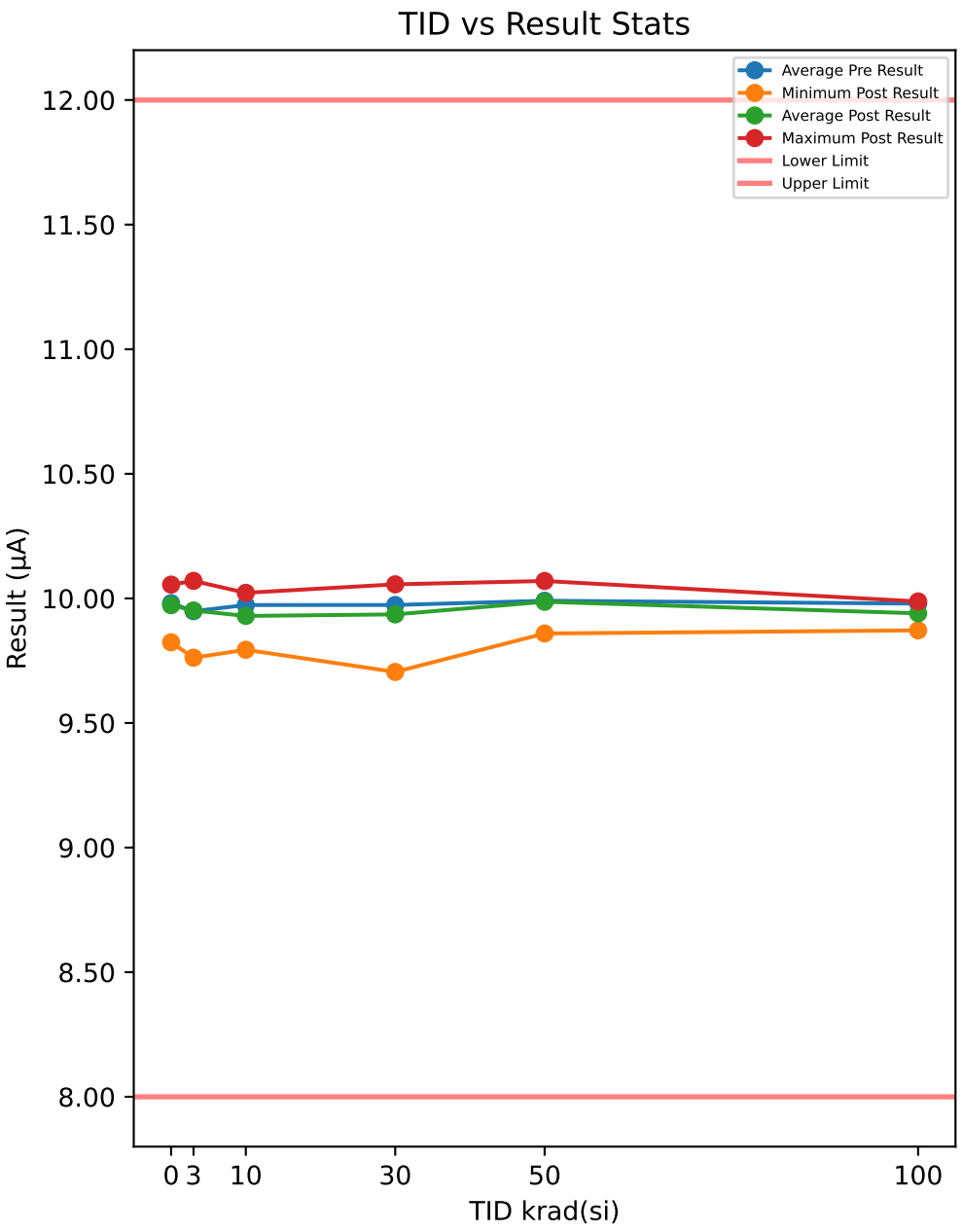
Test Results (Lower Limit = 0.596, Upper Limit = 0.603 (V))

Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	LDR Biased	0.6	0.5995	-0.0005
2	3	LDR Biased	0.5999	0.5995	-0.0004
3	3	LDR Biased	0.5992	0.5989	-0.0003
4	3	LDR Biased	0.5988	0.5987	-0.0001
5	3	LDR Biased	0.6	0.5998	-0.0002
6	10	LDR Biased	0.5998	0.5996	-0.0002
7	10	LDR Biased	0.6004	0.6003	-0.0001
8	10	LDR Biased	0.6001	0.5995	-0.0006
9	10	LDR Biased	0.5994	0.5994	0
10	10	LDR Biased	0.6	0.5998	-0.0002
11	30	LDR Biased	0.6	0.5995	-0.0005
12	30	LDR Biased	0.5996	0.5994	-0.0002
13	30	LDR Biased	0.5988	0.5985	-0.0003
14	30	LDR Biased	0.5993	0.5992	-0.0001
15	30	LDR Biased	0.599	0.5984	-0.0006
16	50	LDR Biased	0.6003	0.6001	-0.0002
17	50	LDR Biased	0.5996	0.6002	0.0006
18	50	LDR Biased	0.599	0.599	0
19	50	LDR Biased	0.5992	0.5981	-0.0011
20	50	LDR Biased	0.5999	0.599	-0.0009
21	100	LDR Biased	0.5997	0.6003	0.0006
22	100	LDR Biased	0.5991	0.5995	0.0004
23	100	LDR Biased	0.5988	0.5986	-0.0002
24	100	LDR Biased	0.5998	0.5997	-0.0001
25	100	LDR Biased	0.6	0.5996	-0.0004
26	3	LDR Unbiased	0.5995	0.5993	-0.0002
27	3	LDR Unbiased	0.5997	0.5994	-0.0003
28	3	LDR Unbiased	0.5999	0.5996	-0.0003
29	3	LDR Unbiased	0.6003	0.6001	-0.0002
30	3	LDR Unbiased	0.5989	0.5983	-0.0006
31	10	LDR Unbiased	0.6004	0.5996	-0.0008
32	10	LDR Unbiased	0.5998	0.5995	-0.0003
33	10	LDR Unbiased	0.6002	0.5999	-0.0003
34	10	LDR Unbiased	0.5989	0.5985	-0.0004
35	10	LDR Unbiased	0.5994	0.5989	-0.0005
36	30	LDR Unbiased	0.5999	0.5991	-0.0008
37	30	LDR Unbiased	0.5997	0.5994	-0.0003
38	30	LDR Unbiased	0.599	0.5991	0.0001
39	30	LDR Unbiased	0.5999	0.6002	0.0003
40	30	LDR Unbiased	0.6001	0.5989	-0.0012
41	50	LDR Unbiased	0.5998	0.5995	-0.0003
42	50	LDR Unbiased	0.5998	0.599	-0.0008
43	50	LDR Unbiased	0.5988	0.5986	-0.0002
44	50	LDR Unbiased	0.6002	0.5996	-0.0006
45	50	LDR Unbiased	0.5997	0.5988	-0.0009
46	100	LDR Unbiased	0.6	0.6003	0.0003
47	100	LDR Unbiased	0.5993	0.6	0.0007
48	100	LDR Unbiased	0.5998	0.5992	-0.0006
49	100	LDR Unbiased	0.5992	0.5988	-0.0004
50	100	LDR Unbiased	0.5999	0.5994	-0.0005
60	0	Correlation	0.6003	0.6003	0
61	0	Correlation	0.6001	0.6001	0
62	0	Correlation	0.5996	0.5997	0.0001
63	0	Correlation	0.6004	0.6003	-0.0001
64	0	Correlation	0.5999	0.5998	-0.0001
65	0	Correlation	0.5995	0.5996	0.0001

Test Statistics (V)

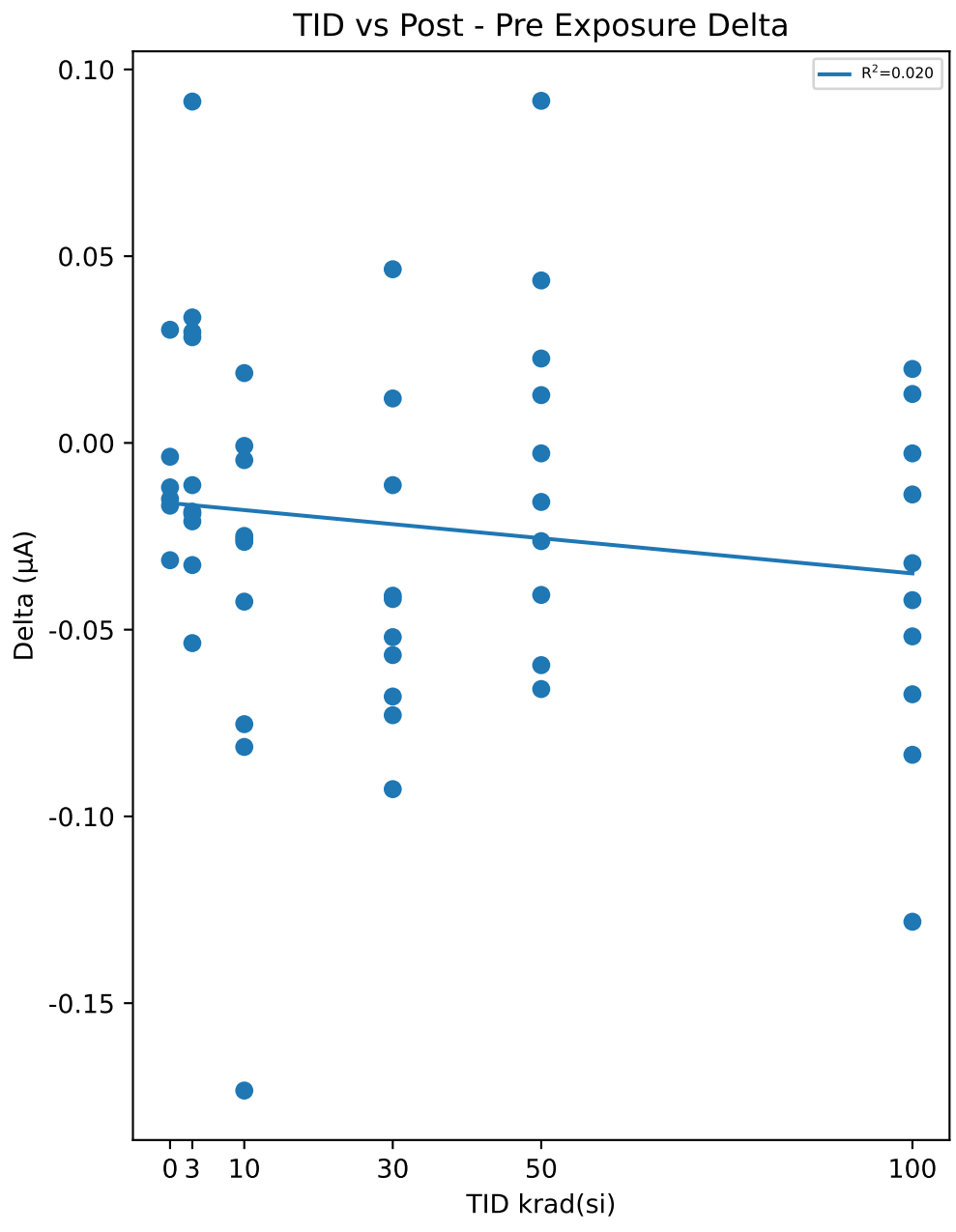
krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	0.5995	0.59997	0.6004	0.00036697	0.5996	0.59997	0.6003	0.00030768	-0.0001	-1.8504e-17	0.0001	8.9443e-05
3	0.5988	0.59962	0.6003	0.00050509	0.5983	0.59931	0.6001	0.00053635	-0.0006	-0.00031	-0.0001	0.00015239
10	0.5989	0.59984	0.6004	0.0004858	0.5985	0.5995	0.6003	0.00050332	-0.0008	-0.00034	0	0.00024129
30	0.5988	0.59953	0.6001	0.00047152	0.5984	0.59917	0.6002	0.00051651	-0.0012	-0.00036	0.0003	0.00043767
50	0.5988	0.59963	0.6003	0.00049227	0.5981	0.59919	0.6002	0.00065904	-0.0011	-0.00044	0.0006	0.00051897
100	0.5988	0.59956	0.6	0.00042479	0.5986	0.59954	0.6003	0.00057388	-0.0006	-2e-05	0.0007	0.00048028

Device Test: 17.28 _IDD|POWERED/VSNSN/14////@VSNSM_CURR



Test Results (Lower Limit = 8.0, Upper Limit = 12.0 (µA))

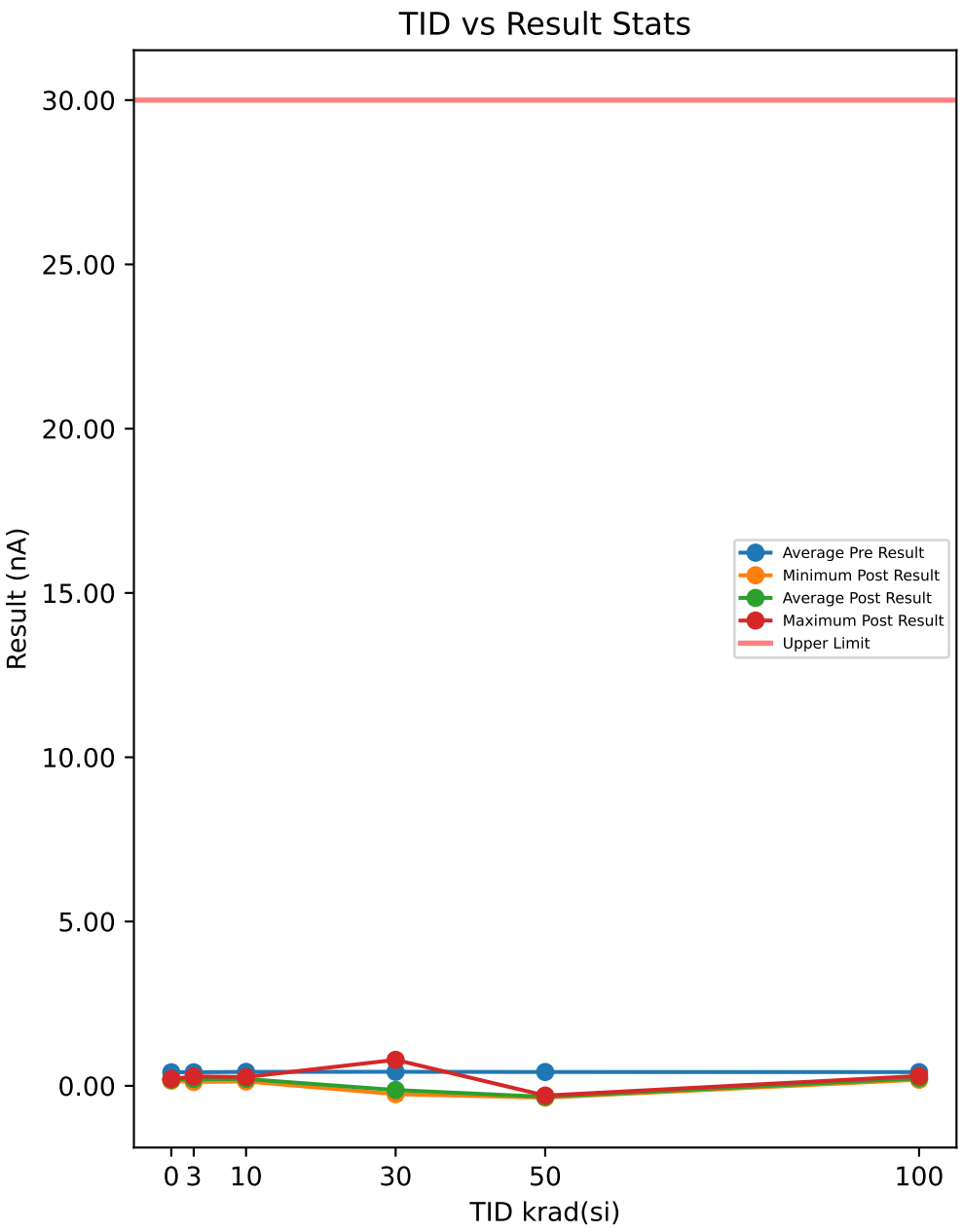
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	LDR Biased	9.9789	10.07	0.0914
2	3	LDR Biased	9.8156	9.762	-0.0536
3	3	LDR Biased	9.9305	9.9121	-0.0184
4	3	LDR Biased	10.002	9.9696	-0.0327
5	3	LDR Biased	10.065	10.046	-0.019
6	10	LDR Biased	9.7947	9.7939	-0.0008
7	10	LDR Biased	10.008	9.9817	-0.0265
8	10	LDR Biased	10.034	9.992	-0.0425
9	10	LDR Biased	9.9566	9.8813	-0.0753
10	10	LDR Biased	10.035	9.9532	-0.0814
11	30	LDR Biased	9.958	9.9162	-0.0418
12	30	LDR Biased	10.053	9.9962	-0.0568
13	30	LDR Biased	9.9341	9.946	0.0119
14	30	LDR Biased	10.098	10.006	-0.0927
15	30	LDR Biased	10.01	9.9583	-0.052
16	50	LDR Biased	10.017	10.04	0.0226
17	50	LDR Biased	9.9962	9.9934	-0.0028
18	50	LDR Biased	9.9783	10.07	0.0916
19	50	LDR Biased	9.9266	9.9701	0.0435
20	50	LDR Biased	10.117	10.057	-0.0595
21	100	LDR Biased	9.9387	9.9359	-0.0028
22	100	LDR Biased	10.028	9.9603	-0.0673
23	100	LDR Biased	9.9773	9.8938	-0.0835
24	100	LDR Biased	10.038	9.9864	-0.0518
25	100	LDR Biased	9.9503	9.9634	0.0131
26	3	LDR Unbiased	10.029	10.063	0.0336
27	3	LDR Unbiased	9.7987	9.7777	-0.021
28	3	LDR Unbiased	10.037	10.026	-0.0113
29	3	LDR Unbiased	9.8046	9.8329	0.0283
30	3	LDR Unbiased	10.024	10.054	0.0297
31	10	LDR Unbiased	10.096	9.9223	-0.1734
32	10	LDR Unbiased	9.9531	9.9485	-0.0046
33	10	LDR Unbiased	9.9635	9.9378	-0.0257
34	10	LDR Unbiased	9.8889	9.864	-0.0249
35	10	LDR Unbiased	10.004	10.022	0.0187
36	30	LDR Unbiased	9.7778	9.7049	-0.0729
37	30	LDR Unbiased	10.01	10.056	0.0465
38	30	LDR Unbiased	9.9957	9.9844	-0.0113
39	30	LDR Unbiased	9.9068	9.8659	-0.0409
40	30	LDR Unbiased	9.9921	9.9242	-0.0679
41	50	LDR Unbiased	10.066	10.025	-0.0407
42	50	LDR Unbiased	9.875	9.8592	-0.0158
43	50	LDR Unbiased	10.025	9.9595	-0.0659
44	50	LDR Unbiased	10.021	9.9942	-0.0263
45	50	LDR Unbiased	9.8841	9.8969	0.0128
46	100	LDR Unbiased	10.02	9.9878	-0.0322
47	100	LDR Unbiased	10.007	9.8786	-0.1282
48	100	LDR Unbiased	10.005	9.9627	-0.0421
49	100	LDR Unbiased	9.852	9.8718	0.0198
50	100	LDR Unbiased	9.975	9.9612	-0.0138
60	0	Correlation	10.025	10.055	0.0303
61	0	Correlation	9.9579	9.946	-0.0119
62	0	Correlation	9.9828	9.966	-0.0168
63	0	Correlation	10.021	10.018	-0.0037
64	0	Correlation	9.8553	9.8239	-0.0314
65	0	Correlation	10.043	10.027	-0.015

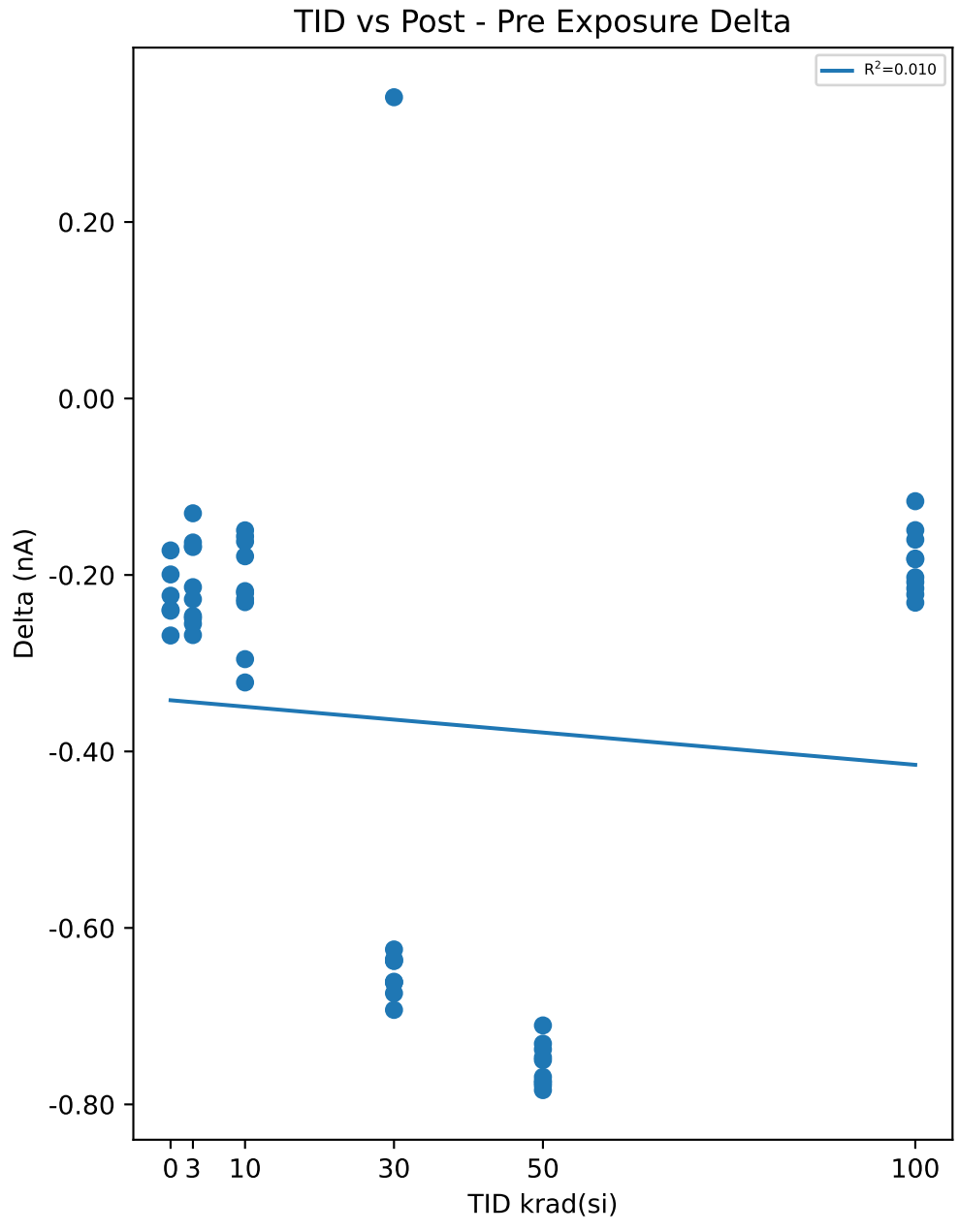


Test Statistics (µA)

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	9.8553	9.9808	10.043	0.068818	9.8239	9.9727	10.055	0.083356	-0.0314	-0.0080833	0.0303	0.020854
3	9.7987	9.9487	10.065	0.10475	9.762	9.9514	10.07	0.12186	-0.0536	0.0027	0.0914	0.042562
10	9.7947	9.9733	10.096	0.084611	9.7939	9.9297	10.022	0.067746	-0.1734	-0.04364	0.0187	0.055257
30	9.7778	9.9736	10.098	0.088198	9.7049	9.9358	10.056	0.097073	-0.0927	-0.03779	0.0465	0.042189
50	9.875	9.9906	10.117	0.077008	9.8592	9.9865	10.07	0.068001	-0.0659	-0.00405	0.0916	0.048628
100	9.852	9.9791	10.038	0.055359	9.8718	9.9402	9.9878	0.043377	-0.1282	-0.03888	0.0198	0.046037

Device Test: 17.29 _LEAK|POWERED/VSNSP/14////@VSNSP_LKG_CURR_0P6V





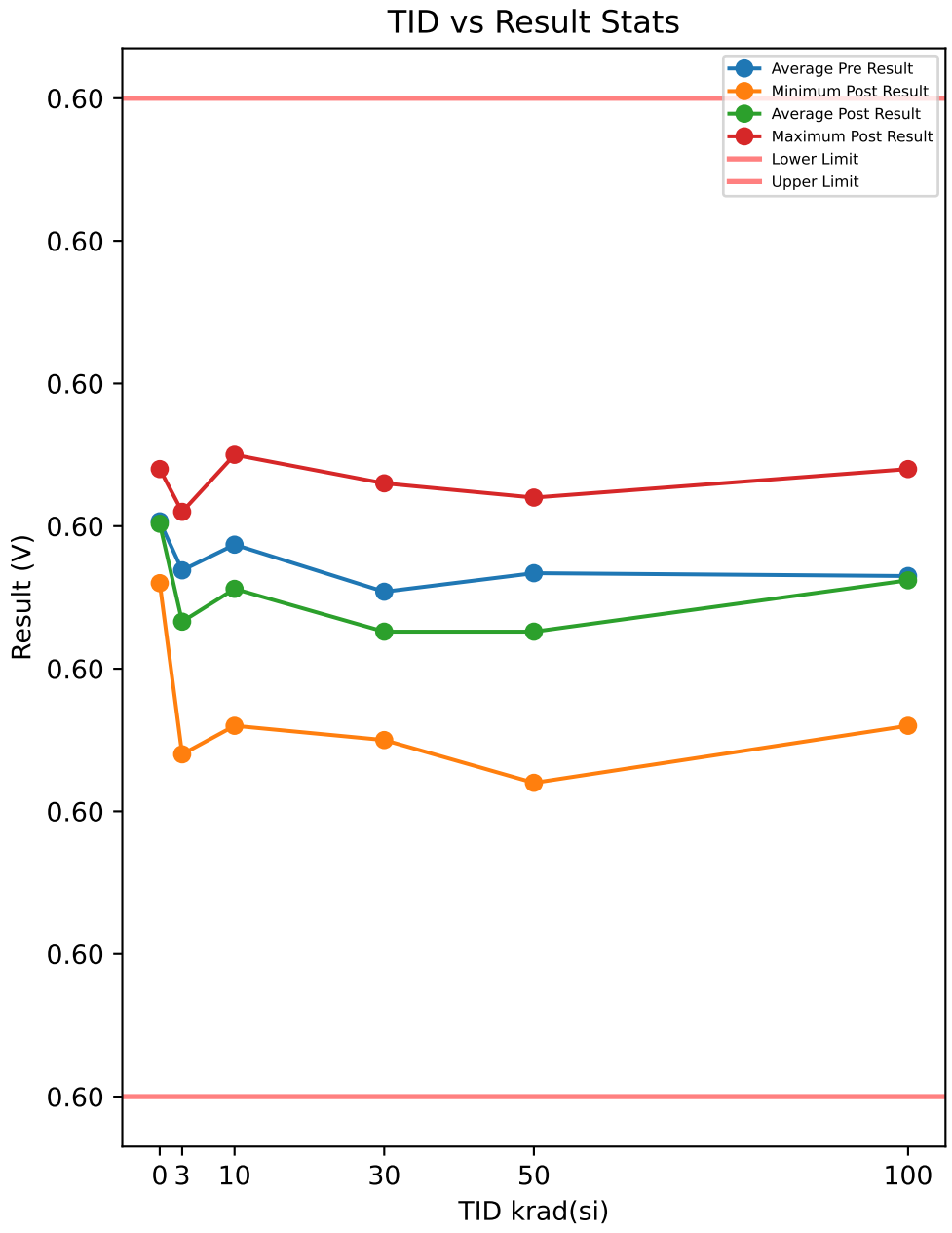
Test Results (Upper Limit = 30.0 (nA))

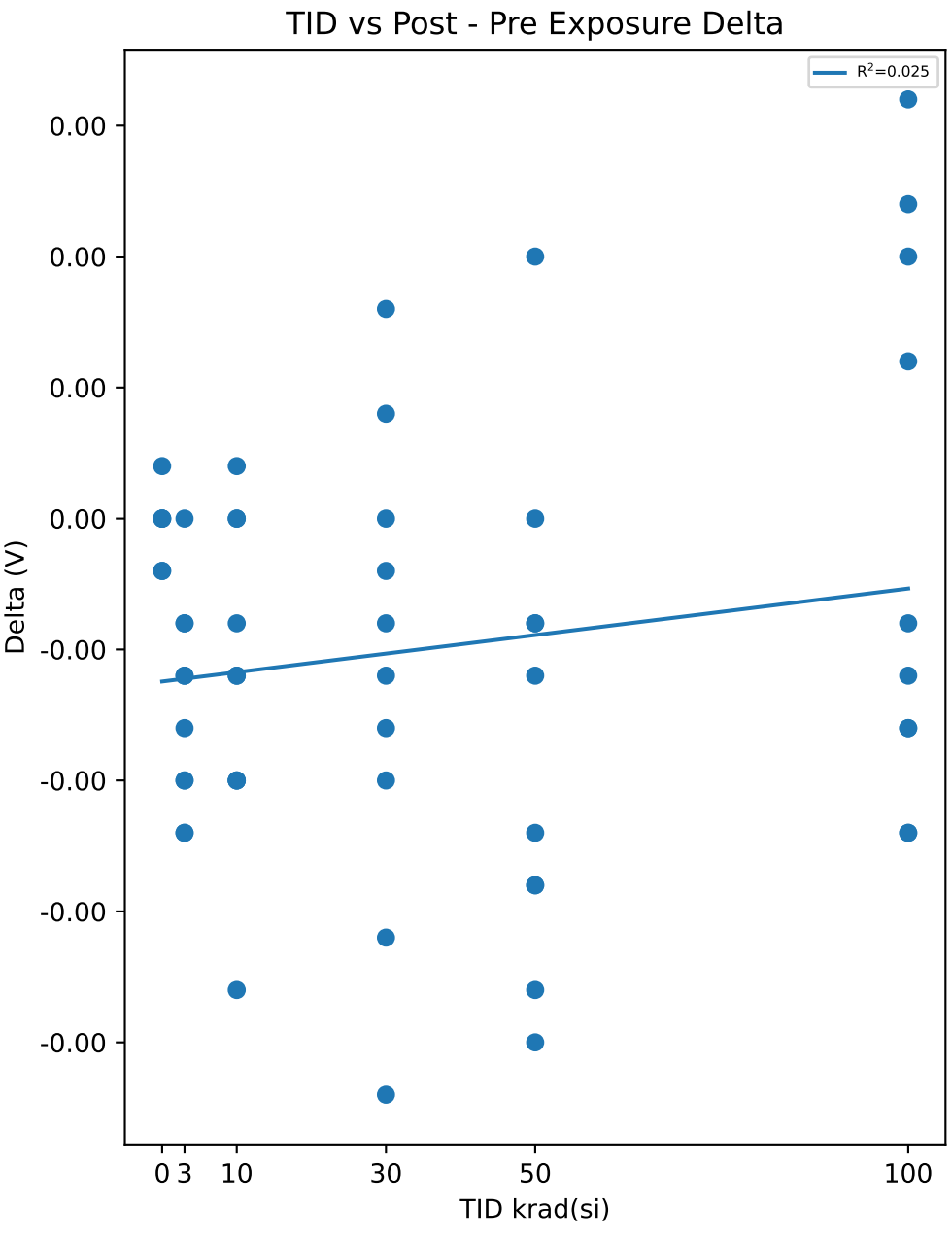
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	LDR Biased	0.3846	0.1165	-0.2681
2	3	LDR Biased	0.4379	0.1914	-0.2465
3	3	LDR Biased	0.4038	0.1485	-0.2553
4	3	LDR Biased	0.4006	0.1516	-0.249
5	3	LDR Biased	0.4248	0.2616	-0.1632
6	10	LDR Biased	0.4252	0.2069	-0.2183
7	10	LDR Biased	0.4097	0.2535	-0.1562
8	10	LDR Biased	0.442	0.1466	-0.2954
9	10	LDR Biased	0.4164	0.267	-0.1494
10	10	LDR Biased	0.4025	0.2404	-0.1621
11	30	LDR Biased	0.4496	0.791	0.3414
12	30	LDR Biased	0.409	-0.2264	-0.6354
13	30	LDR Biased	0.4308	-0.2432	-0.674
14	30	LDR Biased	0.4269	-0.2103	-0.6372
15	30	LDR Biased	0.4301	-0.2314	-0.6615
16	50	LDR Biased	0.4313	-0.3443	-0.7756
17	50	LDR Biased	0.4219	-0.3093	-0.7312
18	50	LDR Biased	0.4367	-0.3367	-0.7734
19	50	LDR Biased	0.386	-0.3607	-0.7467
20	50	LDR Biased	0.445	-0.3388	-0.7838
21	100	LDR Biased	0.4417	0.2265	-0.2152
22	100	LDR Biased	0.4097	0.2497	-0.16
23	100	LDR Biased	0.4057	0.1977	-0.208
24	100	LDR Biased	0.4162	0.1848	-0.2314
25	100	LDR Biased	0.4156	0.2992	-0.1164
26	3	LDR Unbiased	0.4026	0.1751	-0.2275
27	3	LDR Unbiased	0.4155	0.2854	-0.1301
28	3	LDR Unbiased	0.4046	0.2363	-0.1683
29	3	LDR Unbiased	0.42	0.2062	-0.2138
30	3	LDR Unbiased	0.4222	0.2546	-0.1676
31	10	LDR Unbiased	0.4542	0.1324	-0.3218
32	10	LDR Unbiased	0.4221	0.2433	-0.1788
33	10	LDR Unbiased	0.4218	0.2014	-0.2204
34	10	LDR Unbiased	0.4235	0.1961	-0.2274
35	10	LDR Unbiased	0.4212	0.1904	-0.2308
36	30	LDR Unbiased	0.4235	-0.2375	-0.661
37	30	LDR Unbiased	0.4384	-0.2545	-0.6929
38	30	LDR Unbiased	0.4279	-0.2339	-0.6618
39	30	LDR Unbiased	0.4265	-0.2109	-0.6374
40	30	LDR Unbiased	0.4041	-0.2203	-0.6244
41	50	LDR Unbiased	0.4135	-0.297	-0.7105
42	50	LDR Unbiased	0.4195	-0.3591	-0.7786
43	50	LDR Unbiased	0.4258	-0.3431	-0.7689
44	50	LDR Unbiased	0.426	-0.3238	-0.7498
45	50	LDR Unbiased	0.3973	-0.3403	-0.7376
46	100	LDR Unbiased	0.4004	0.219	-0.1814
47	100	LDR Unbiased	0.4352	0.2131	-0.2221
48	100	LDR Unbiased	0.4041	0.2549	-0.1492
49	100	LDR Unbiased	0.4431	0.2609	-0.1822
50	100	LDR Unbiased	0.4052	0.2025	-0.2027
60	0	Correlation	0.4162	0.1767	-0.2395
61	0	Correlation	0.3818	0.2096	-0.1722
62	0	Correlation	0.4262	0.1857	-0.2405
63	0	Correlation	0.4012	0.2018	-0.1994
64	0	Correlation	0.4237	0.1551	-0.2686
65	0	Correlation	0.4212	0.1977	-0.2235

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	0.3818	0.41172	0.4262	0.017141	0.1551	0.18777	0.2096	0.01983	-0.2686	-0.22395	-0.1722	0.03403
3	0.3846	0.41166	0.4379	0.015293	0.1165	0.20272	0.2854	0.055789	-0.2681	-0.20894	-0.1301	0.04796
10	0.4025	0.42386	0.4542	0.014826	0.1324	0.2078	0.267	0.044507	-0.3218	-0.21606	-0.1494	0.057901
30	0.4041	0.42668	0.4496	0.013019	-0.2545	-0.12774	0.791	0.32311	-0.6929	-0.55442	0.3414	0.31544
50	0.386	0.4203	0.445	0.017694	-0.3607	-0.33531	-0.297	0.020187	-0.7838	-0.75561	-0.7105	0.024231
100	0.4004	0.41769	0.4431	0.016271	0.1848	0.23083	0.2992	0.03497	-0.2314	-0.18686	-0.1164	0.036336

Device Test: 17.3 _LEVEL|STATIC/SS_TR/4.5////@VREF_25C





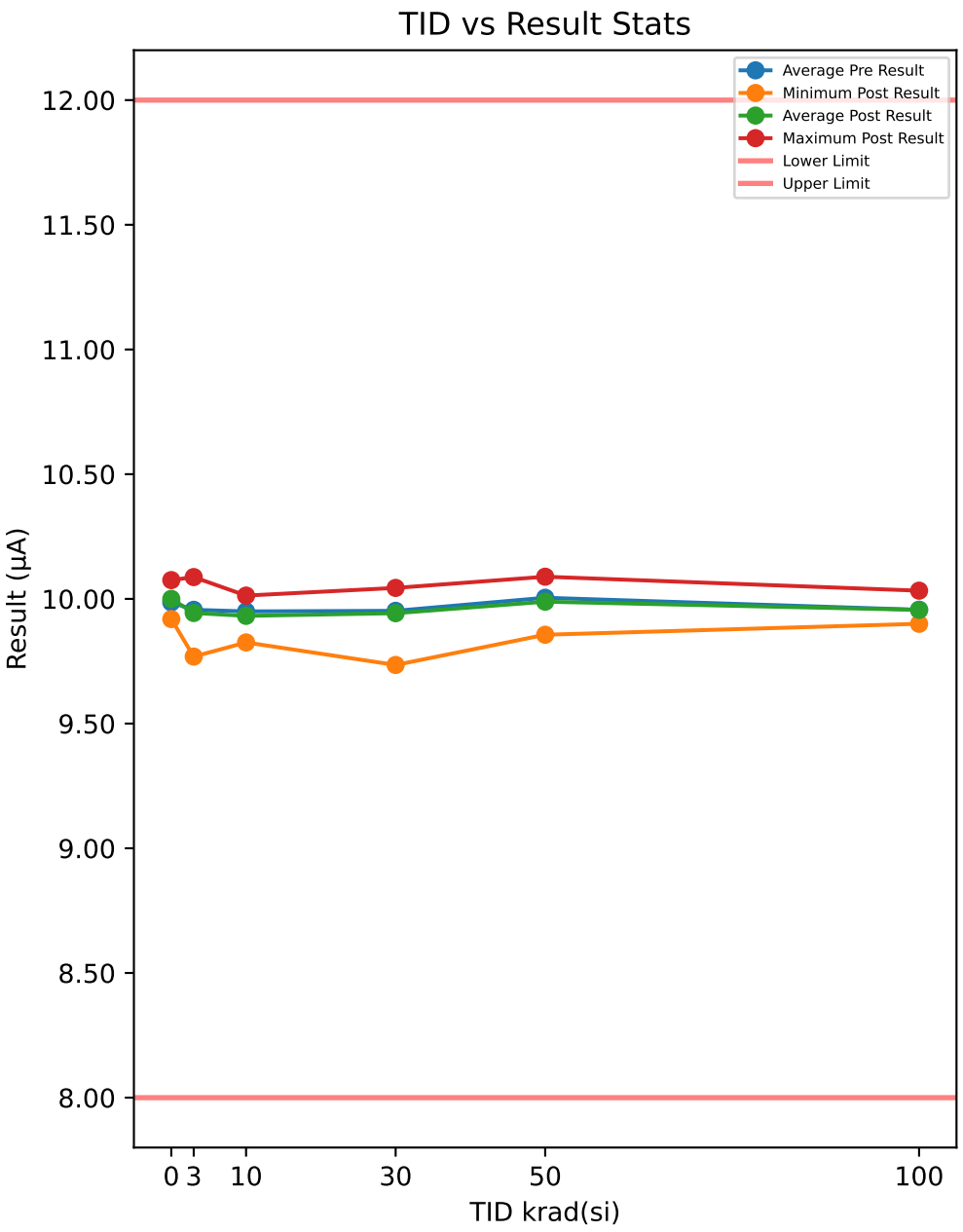
Test Results (Lower Limit = 0.596, Upper Limit = 0.603 (V))

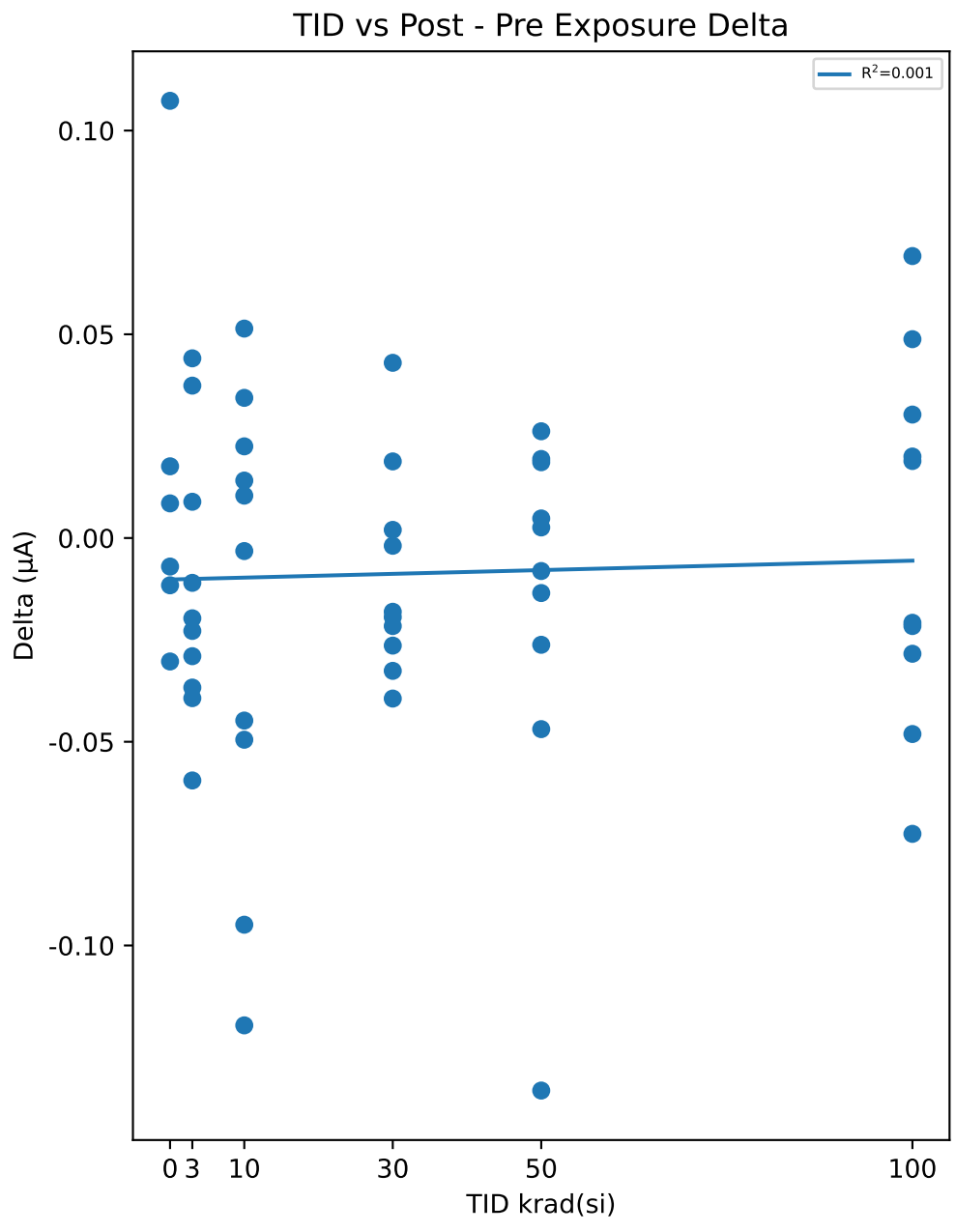
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	LDR Biased	0.6	0.5995	-0.0005
2	3	LDR Biased	0.6	0.5995	-0.0005
3	3	LDR Biased	0.5993	0.5989	-0.0004
4	3	LDR Biased	0.5988	0.5988	0
5	3	LDR Biased	0.6003	0.5997	-0.0006
6	10	LDR Biased	0.5998	0.5996	-0.0002
7	10	LDR Biased	0.6004	0.6005	0.0001
8	10	LDR Biased	0.6001	0.5996	-0.0005
9	10	LDR Biased	0.5995	0.5995	0
10	10	LDR Biased	0.5999	0.5999	0
11	30	LDR Biased	0.6	0.5996	-0.0004
12	30	LDR Biased	0.5997	0.5995	-0.0002
13	30	LDR Biased	0.5988	0.5985	-0.0003
14	30	LDR Biased	0.5994	0.5993	-0.0001
15	30	LDR Biased	0.599	0.5985	-0.0005
16	50	LDR Biased	0.6003	0.6001	-0.0002
17	50	LDR Biased	0.5997	0.6002	0.0005
18	50	LDR Biased	0.5991	0.5991	0
19	50	LDR Biased	0.5992	0.5982	-0.001
20	50	LDR Biased	0.5998	0.5991	-0.0007
21	100	LDR Biased	0.5998	0.6004	0.0006
22	100	LDR Biased	0.5991	0.5996	0.0005
23	100	LDR Biased	0.5989	0.5986	-0.0003
24	100	LDR Biased	0.6	0.5998	-0.0002
25	100	LDR Biased	0.6	0.5996	-0.0004
26	3	LDR Unbiased	0.5995	0.5993	-0.0002
27	3	LDR Unbiased	0.5998	0.5995	-0.0003
28	3	LDR Unbiased	0.5999	0.5996	-0.0003
29	3	LDR Unbiased	0.6003	0.6001	-0.0002
30	3	LDR Unbiased	0.599	0.5984	-0.0006
31	10	LDR Unbiased	0.6004	0.5995	-0.0009
32	10	LDR Unbiased	0.5998	0.5995	-0.0003
33	10	LDR Unbiased	0.6002	0.5999	-0.0003
34	10	LDR Unbiased	0.5991	0.5986	-0.0005
35	10	LDR Unbiased	0.5995	0.599	-0.0005
36	30	LDR Unbiased	0.5999	0.5991	-0.0008
37	30	LDR Unbiased	0.5995	0.5995	0
38	30	LDR Unbiased	0.599	0.5992	0.0002
39	30	LDR Unbiased	0.5999	0.6003	0.0004
40	30	LDR Unbiased	0.6002	0.5991	-0.0011
41	50	LDR Unbiased	0.5999	0.5996	-0.0003
42	50	LDR Unbiased	0.5998	0.5991	-0.0007
43	50	LDR Unbiased	0.5989	0.5987	-0.0002
44	50	LDR Unbiased	0.6002	0.5996	-0.0006
45	50	LDR Unbiased	0.5998	0.5989	-0.0009
46	100	LDR Unbiased	0.6001	0.6004	0.0003
47	100	LDR Unbiased	0.5993	0.6001	0.0008
48	100	LDR Unbiased	0.5999	0.5993	-0.0006
49	100	LDR Unbiased	0.5995	0.5989	-0.0006
50	100	LDR Unbiased	0.5999	0.5995	-0.0004
60	0	Correlation	0.6005	0.6004	-0.0001
61	0	Correlation	0.6001	0.6001	0
62	0	Correlation	0.5997	0.5998	0.0001
63	0	Correlation	0.6004	0.6004	0
64	0	Correlation	0.5999	0.5998	-0.0001
65	0	Correlation	0.5996	0.5996	0

Test Statistics (V)

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	0.5996	0.60003	0.6005	0.00036697	0.5996	0.60002	0.6004	0.00033714	-0.0001	-1.6667e-05	0.0001	7.5277e-05
3	0.5988	0.59969	0.6003	0.00052164	0.5984	0.59933	0.6001	0.00049677	-0.0006	-0.00036	0	0.00019551
10	0.5991	0.59987	0.6004	0.00042177	0.5986	0.59956	0.6005	0.00051251	-0.0009	-0.00031	0.0001	0.0003035
30	0.5988	0.59954	0.6002	0.0004812	0.5985	0.59926	0.6003	0.00052957	-0.0011	-0.00028	0.0004	0.0004492
50	0.5989	0.59967	0.6003	0.000462	0.5982	0.59926	0.6002	0.00062039	-0.001	-0.00041	0.0005	0.00045814
100	0.5989	0.59965	0.6001	0.0004223	0.5986	0.59962	0.6004	0.00059217	-0.0006	-3e-05	0.0008	0.00052715

Device Test: 17.4 _IDD|POWERED/VSNSN/4.5////@VSNSM_CURR





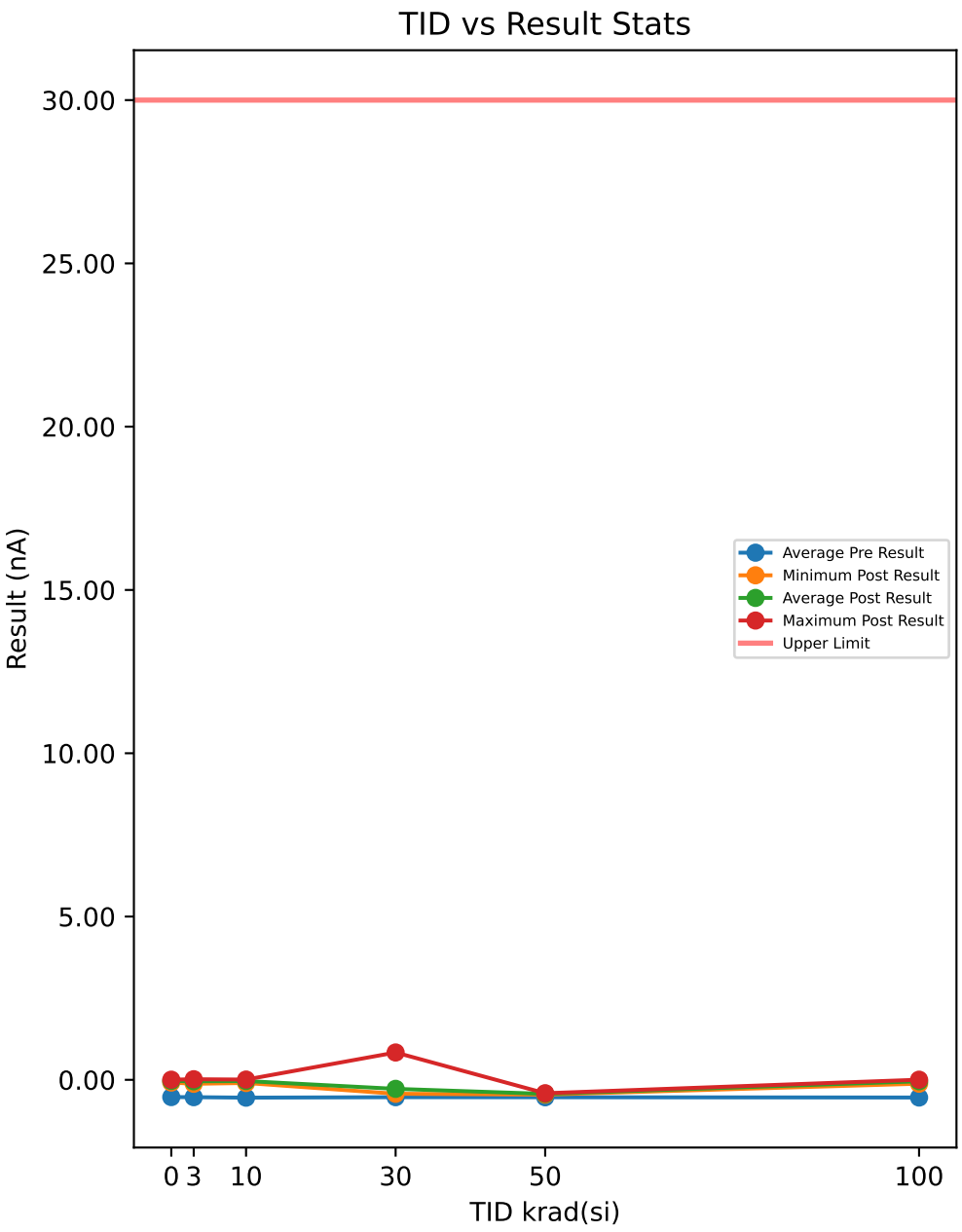
Test Results (Lower Limit = 8.0, Upper Limit = 12.0 (µA))

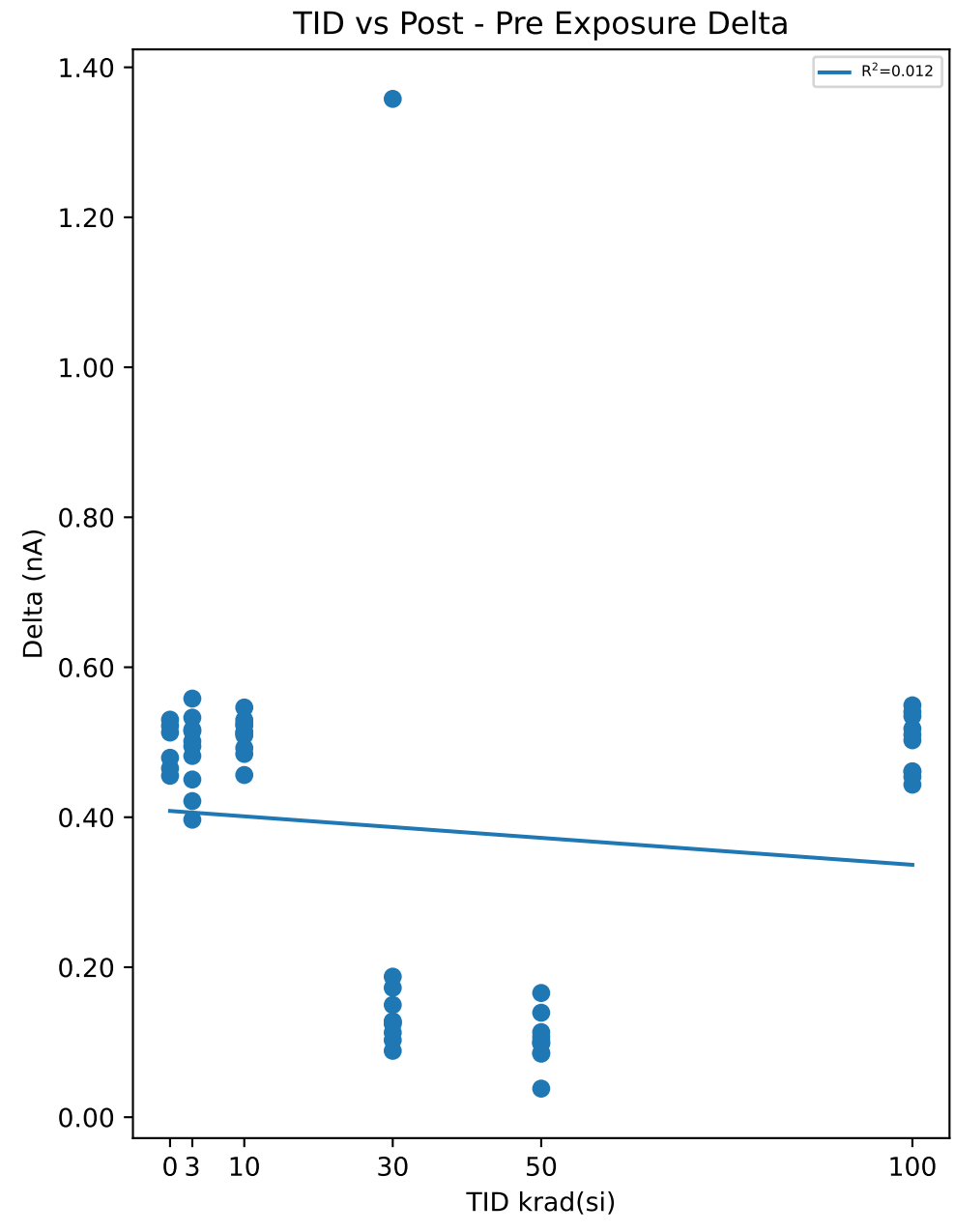
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	LDR Biased	10.028	9.989	-0.0393
2	3	LDR Biased	9.7914	9.7686	-0.0228
3	3	LDR Biased	9.8955	9.8758	-0.0197
4	3	LDR Biased	10.004	10.013	0.0089
5	3	LDR Biased	10.05	10.087	0.0374
6	10	LDR Biased	9.7739	9.8253	0.0514
7	10	LDR Biased	10.003	9.8835	-0.1196
8	10	LDR Biased	10.071	9.9765	-0.0949
9	10	LDR Biased	9.9148	9.9116	-0.0032
10	10	LDR Biased	9.9712	9.9264	-0.0448
11	30	LDR Biased	9.9269	9.9289	0.002
12	30	LDR Biased	9.9816	9.9622	-0.0194
13	30	LDR Biased	9.9905	9.9641	-0.0264
14	30	LDR Biased	10.038	9.9982	-0.0394
15	30	LDR Biased	9.9401	9.9589	0.0188
16	50	LDR Biased	10.059	10.012	-0.0469
17	50	LDR Biased	9.9844	9.987	0.0026
18	50	LDR Biased	10.037	10.056	0.0186
19	50	LDR Biased	9.9786	9.9651	-0.0135
20	50	LDR Biased	10.063	10.089	0.0262
21	100	LDR Biased	9.9874	9.9658	-0.0216
22	100	LDR Biased	9.9637	10.033	0.0692
23	100	LDR Biased	9.9836	9.911	-0.0726
24	100	LDR Biased	9.9042	9.9345	0.0303
25	100	LDR Biased	9.9341	9.9133	-0.0208
26	3	LDR Unbiased	10.071	10.011	-0.0595
27	3	LDR Unbiased	9.8288	9.8178	-0.011
28	3	LDR Unbiased	9.9831	10.027	0.0441
29	3	LDR Unbiased	9.8668	9.8301	-0.0367
30	3	LDR Unbiased	10.043	10.014	-0.029
31	10	LDR Unbiased	10.014	9.9642	-0.0495
32	10	LDR Unbiased	9.9991	10.013	0.0141
33	10	LDR Unbiased	9.9431	9.9535	0.0104
34	10	LDR Unbiased	9.8359	9.8703	0.0344
35	10	LDR Unbiased	9.972	9.9945	0.0225
36	30	LDR Unbiased	9.7566	9.735	-0.0216
37	30	LDR Unbiased	10.005	10.003	-0.0019
38	30	LDR Unbiased	10.001	10.044	0.043
39	30	LDR Unbiased	9.9167	9.8841	-0.0326
40	30	LDR Unbiased	9.966	9.9479	-0.0181
41	50	LDR Unbiased	10.028	10.033	0.0048
42	50	LDR Unbiased	9.8368	9.8562	0.0194
43	50	LDR Unbiased	9.9754	9.9673	-0.0081
44	50	LDR Unbiased	10.149	10.013	-0.1356
45	50	LDR Unbiased	9.934	9.9078	-0.0262
46	100	LDR Unbiased	10.031	9.9832	-0.0481
47	100	LDR Unbiased	9.8801	9.9001	0.02
48	100	LDR Unbiased	9.9768	9.9484	-0.0284
49	100	LDR Unbiased	9.9739	10.023	0.0488
50	100	LDR Unbiased	9.9285	9.9474	0.0189
60	0	Correlation	9.9655	10.073	0.1073
61	0	Correlation	9.9882	9.9579	-0.0303
62	0	Correlation	9.9422	9.9598	0.0176
63	0	Correlation	10.007	10.016	0.0085
64	0	Correlation	9.9261	9.9191	-0.007
65	0	Correlation	10.087	10.075	-0.0116

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	9.9261	9.986	10.087	0.05756	9.9191	10	10.075	0.065043	-0.0303	0.014083	0.1073	0.048594
3	9.7914	9.9562	10.071	0.10153	9.7686	9.9434	10.087	0.10957	-0.0595	-0.01276	0.0441	0.033493
10	9.7739	9.9498	10.071	0.088365	9.8253	9.9319	10.013	0.059601	-0.1196	-0.01792	0.0514	0.056965
30	9.7566	9.9522	10.038	0.078365	9.735	9.9426	10.044	0.08489	-0.0394	-0.00956	0.043	0.025339
50	9.8368	10.005	10.149	0.084188	9.8562	9.9887	10.089	0.068962	-0.1356	-0.01587	0.0262	0.047658
100	9.8801	9.9564	10.031	0.044608	9.9001	9.9559	10.033	0.045662	-0.0726	-0.00043	0.0692	0.044887

Device Test: 17.5 _LEAK|POWERED/VSNSP/4.5////@VSNSP_LKG_CURR_0P6V





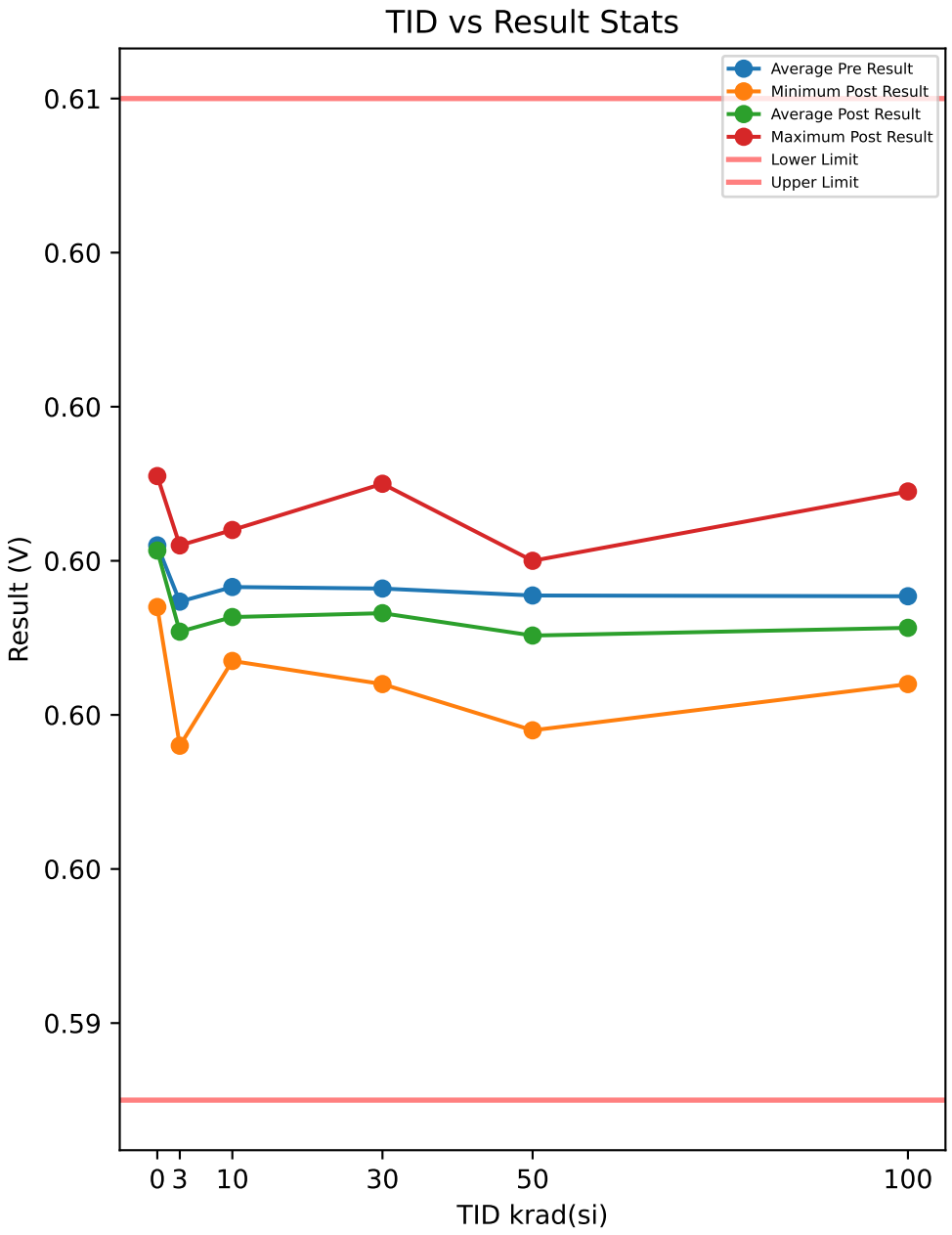
Test Results (Upper Limit = 30.0 (nA))

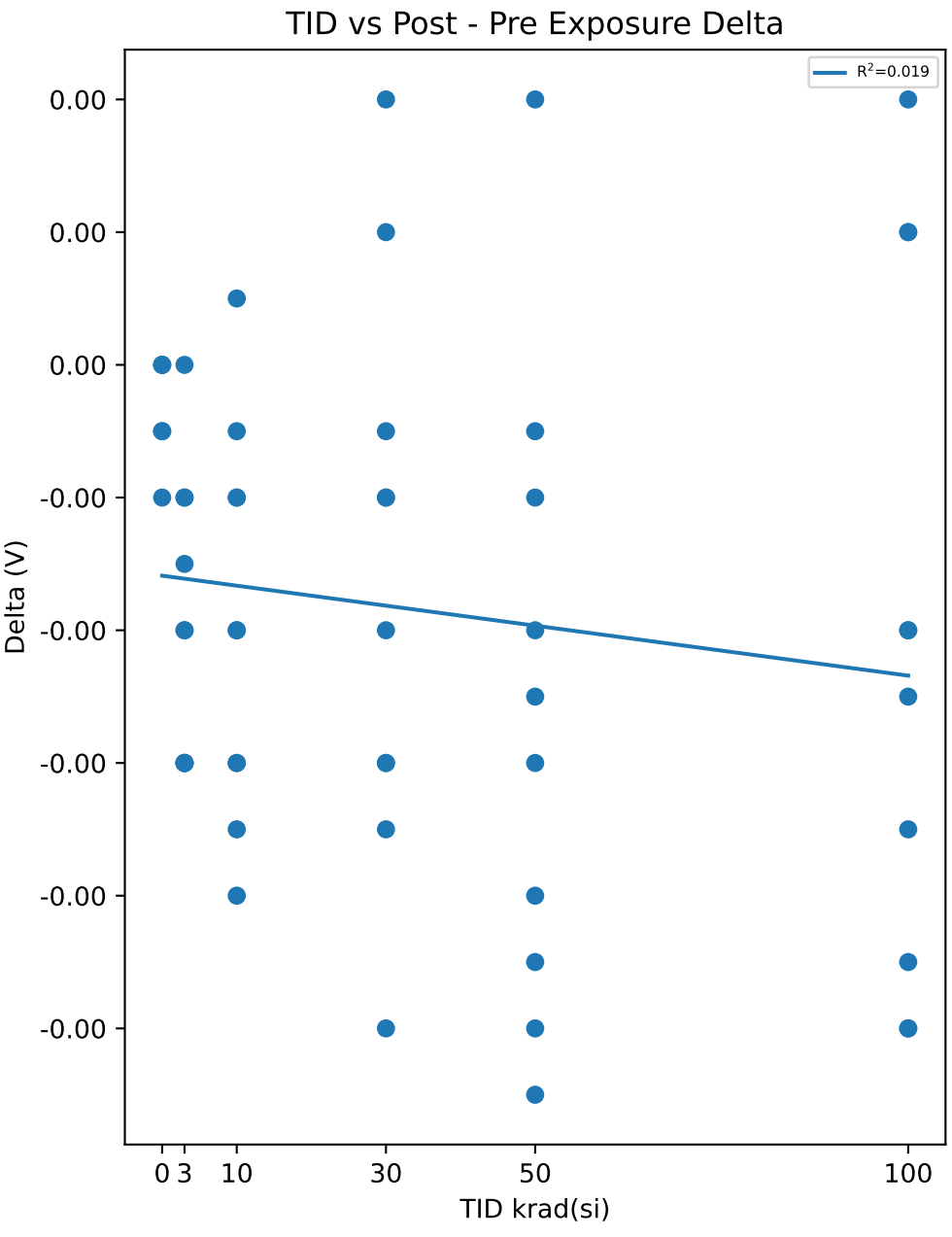
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	LDR Biased	-0.4832	-0.0329	0.4503
2	3	LDR Biased	-0.5496	-0.055	0.4946
3	3	LDR Biased	-0.5399	0.0183	0.5582
4	3	LDR Biased	-0.5531	-0.0519	0.5012
5	3	LDR Biased	-0.5503	-0.0175	0.5328
6	10	LDR Biased	-0.5528	-0.0965	0.4563
7	10	LDR Biased	-0.5576	-0.0331	0.5245
8	10	LDR Biased	-0.556	-0.0439	0.5121
9	10	LDR Biased	-0.5406	-0.0314	0.5092
10	10	LDR Biased	-0.5632	-0.0709	0.4923
11	30	LDR Biased	-0.5209	0.837	1.3579
12	30	LDR Biased	-0.5695	-0.397	0.1725
13	30	LDR Biased	-0.5137	-0.4109	0.1028
14	30	LDR Biased	-0.535	-0.408	0.127
15	30	LDR Biased	-0.5149	-0.4264	0.0885
16	50	LDR Biased	-0.5282	-0.4295	0.0987
17	50	LDR Biased	-0.5244	-0.4385	0.0859
18	50	LDR Biased	-0.5444	-0.431	0.1134
19	50	LDR Biased	-0.5565	-0.4493	0.1072
20	50	LDR Biased	-0.5245	-0.4226	0.1019
21	100	LDR Biased	-0.5367	0.0038	0.5405
22	100	LDR Biased	-0.5355	-0.0174	0.5181
23	100	LDR Biased	-0.5183	-0.0644	0.4539
24	100	LDR Biased	-0.5287	-0.0188	0.5099
25	100	LDR Biased	-0.5464	0.0028	0.5492
26	3	LDR Unbiased	-0.5626	-0.0479	0.5147
27	3	LDR Unbiased	-0.5177	-0.121	0.3967
28	3	LDR Unbiased	-0.5393	-0.0225	0.5168
29	3	LDR Unbiased	-0.5164	-0.0347	0.4817
30	3	LDR Unbiased	-0.4974	-0.0759	0.4215
31	10	LDR Unbiased	-0.5382	0.0081	0.5463
32	10	LDR Unbiased	-0.5745	-0.0521	0.5224
33	10	LDR Unbiased	-0.5327	-0.0029	0.5298
34	10	LDR Unbiased	-0.5212	-0.0368	0.4844
35	10	LDR Unbiased	-0.5243	-0.0107	0.5136
36	30	LDR Unbiased	-0.5187	-0.3943	0.1244
37	30	LDR Unbiased	-0.5577	-0.408	0.1497
38	30	LDR Unbiased	-0.5188	-0.406	0.1128
39	30	LDR Unbiased	-0.4907	-0.3628	0.1279
40	30	LDR Unbiased	-0.5758	-0.3884	0.1874
41	50	LDR Unbiased	-0.5827	-0.4171	0.1656
42	50	LDR Unbiased	-0.4911	-0.453	0.0381
43	50	LDR Unbiased	-0.5094	-0.4109	0.0985
44	50	LDR Unbiased	-0.5535	-0.4142	0.1393
45	50	LDR Unbiased	-0.5224	-0.4377	0.0847
46	100	LDR Unbiased	-0.5049	-0.0437	0.4612
47	100	LDR Unbiased	-0.5694	-0.0347	0.5347
48	100	LDR Unbiased	-0.5449	-0.0841	0.4608
49	100	LDR Unbiased	-0.5618	-0.1184	0.4434
50	100	LDR Unbiased	-0.5714	-0.0688	0.5026
60	0	Correlation	-0.5318	-0.0766	0.4552
61	0	Correlation	-0.5409	-0.028	0.5129
62	0	Correlation	-0.5292	-0.0073	0.5219
63	0	Correlation	-0.4921	-0.0128	0.4793
64	0	Correlation	-0.526	0.0041	0.5301
65	0	Correlation	-0.5471	-0.0819	0.4652

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	-0.5471	-0.52785	-0.4921	0.019182	-0.0819	-0.03375	0.0041	0.036766	0.4552	0.4941	0.5301	0.03159
3	-0.5626	-0.53095	-0.4832	0.026156	-0.121	-0.0441	0.0183	0.037119	0.3967	0.48685	0.5582	0.050443
10	-0.5745	-0.54611	-0.5212	0.017453	-0.0965	-0.03702	0.0081	0.031447	0.4563	0.50909	0.5463	0.025681
30	-0.5758	-0.53157	-0.4907	0.027487	-0.4264	-0.27648	0.837	0.3916	0.0885	0.25509	1.3579	0.38867
50	-0.5827	-0.53371	-0.4911	0.026165	-0.453	-0.43038	-0.4109	0.014409	0.0381	0.10333	0.1656	0.033732
100	-0.5714	-0.5418	-0.5049	0.021653	-0.1184	-0.04437	0.0038	0.039549	0.4434	0.49743	0.5492	0.039444

Device Test: 17.9 _LEVEL|STATIC/VSNSP/5////@VREF_PLUS_OFFSET





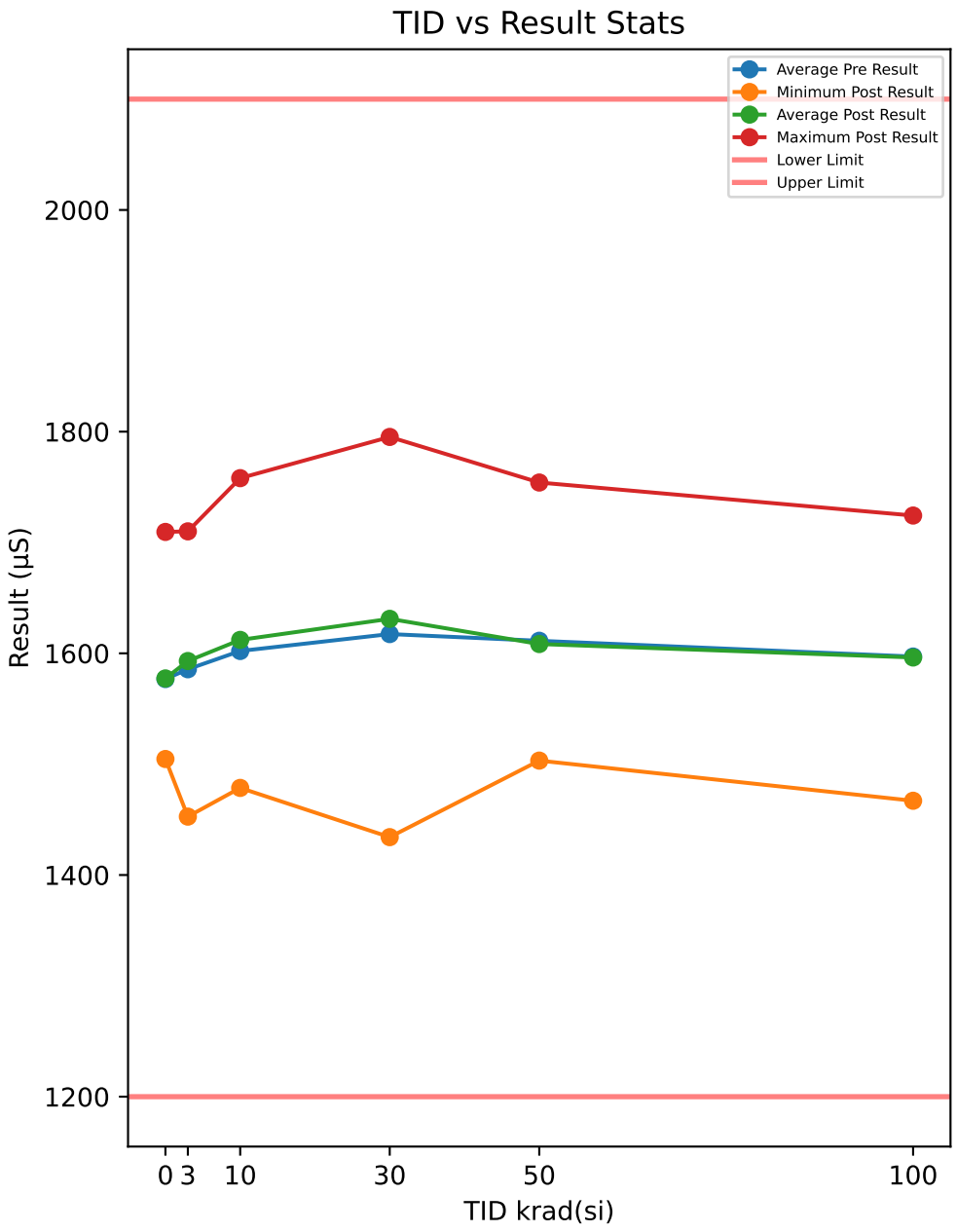
Test Results (Lower Limit = 0.593, Upper Limit = 0.606 (V))

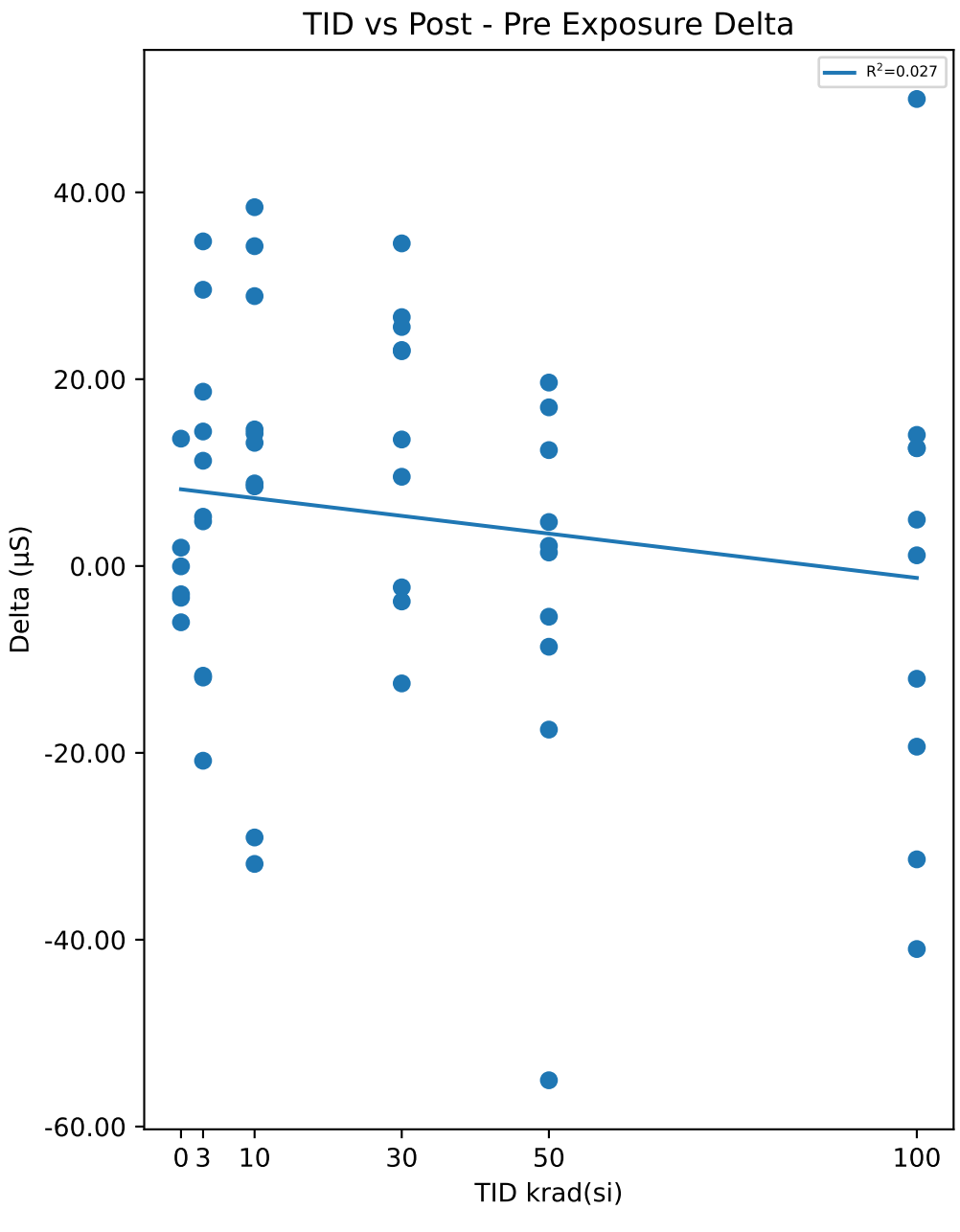
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	LDR Biased	0.5991	0.5985	-0.0006
2	3	LDR Biased	0.6003	0.5999	-0.0004
3	3	LDR Biased	0.598	0.5976	-0.0004
4	3	LDR Biased	0.5986	0.5986	0
5	3	LDR Biased	0.5999	0.5993	-0.0006
6	10	LDR Biased	0.5997	0.5995	-0.0002
7	10	LDR Biased	0.5998	0.5999	0.0001
8	10	LDR Biased	0.6011	0.6004	-0.0007
9	10	LDR Biased	0.5989	0.5988	-0.0001
10	10	LDR Biased	0.5989	0.5987	-0.0002
11	30	LDR Biased	0.599	0.5984	-0.0006
12	30	LDR Biased	0.5994	0.5992	-0.0002
13	30	LDR Biased	0.5992	0.5988	-0.0004
14	30	LDR Biased	0.6002	0.6001	-0.0001
15	30	LDR Biased	0.5992	0.5986	-0.0006
16	50	LDR Biased	0.6001	0.5999	-0.0002
17	50	LDR Biased	0.5992	0.5996	0.0004
18	50	LDR Biased	0.5997	0.5996	-0.0001
19	50	LDR Biased	0.5988	0.5978	-0.001
20	50	LDR Biased	0.6009	0.6	-0.0009
21	100	LDR Biased	0.5993	0.5995	0.0002
22	100	LDR Biased	0.5989	0.5991	0.0002
23	100	LDR Biased	0.599	0.5985	-0.0005
24	100	LDR Biased	0.6005	0.6001	-0.0004
25	100	LDR Biased	0.5998	0.5988	-0.001
26	3	LDR Unbiased	0.6002	0.6	-0.0002
27	3	LDR Unbiased	0.5991	0.5985	-0.0006
28	3	LDR Unbiased	0.6005	0.6002	-0.0003
29	3	LDR Unbiased	0.5996	0.5994	-0.0002
30	3	LDR Unbiased	0.5994	0.5988	-0.0006
31	10	LDR Unbiased	0.6004	0.5996	-0.0008
32	10	LDR Unbiased	0.5991	0.5987	-0.0004
33	10	LDR Unbiased	0.5998	0.5994	-0.0004
34	10	LDR Unbiased	0.5994	0.5988	-0.0006
35	10	LDR Unbiased	0.5995	0.5989	-0.0006
36	30	LDR Unbiased	0.5996	0.5989	-0.0007
37	30	LDR Unbiased	0.5993	0.5991	-0.0002
38	30	LDR Unbiased	0.5989	0.5991	0.0002
39	30	LDR Unbiased	0.6006	0.601	0.0004
40	30	LDR Unbiased	0.601	0.6	-0.001
41	50	LDR Unbiased	0.5993	0.5989	-0.0004
42	50	LDR Unbiased	0.6001	0.5993	-0.0008
43	50	LDR Unbiased	0.5984	0.5979	-0.0005
44	50	LDR Unbiased	0.5994	0.5988	-0.0006
45	50	LDR Unbiased	0.5996	0.5985	-0.0011
46	100	LDR Unbiased	0.5991	0.5987	-0.0004
47	100	LDR Unbiased	0.6005	0.6009	0.0004
48	100	LDR Unbiased	0.5995	0.5986	-0.0009
49	100	LDR Unbiased	0.5991	0.5984	-0.0007
50	100	LDR Unbiased	0.5997	0.5987	-0.001
60	0	Correlation	0.6011	0.6011	0
61	0	Correlation	0.5999	0.5999	0
62	0	Correlation	0.6001	0.5999	-0.0002
63	0	Correlation	0.6005	0.6005	0
64	0	Correlation	0.6001	0.6	-0.0001
65	0	Correlation	0.5995	0.5994	-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	0.5995	0.6002	0.6011	0.00054772	0.5994	0.60013	0.6011	0.00058878	-0.0002	-6.6667e-05	0	8.165e-05
3	0.598	0.59947	0.6005	0.00079449	0.5976	0.59908	0.6002	0.000823	-0.0006	-0.00039	0	0.00021318
10	0.5989	0.59966	0.6011	0.00068508	0.5987	0.59927	0.6004	0.00058509	-0.0008	-0.00039	0.0001	0.00028848
30	0.5989	0.59964	0.601	0.00071523	0.5984	0.59932	0.601	0.00080388	-0.001	-0.00032	0.0004	0.00042635
50	0.5984	0.59955	0.6009	0.00071063	0.5978	0.59903	0.6	0.00078606	-0.0011	-0.00052	0.0004	0.0004638
100	0.5989	0.59954	0.6005	0.00058538	0.5984	0.59913	0.6009	0.00080973	-0.001	-0.00041	0.0004	0.00051951

Device Test: 18.12 _EA|STATIC/COMP/12////@EA_GM





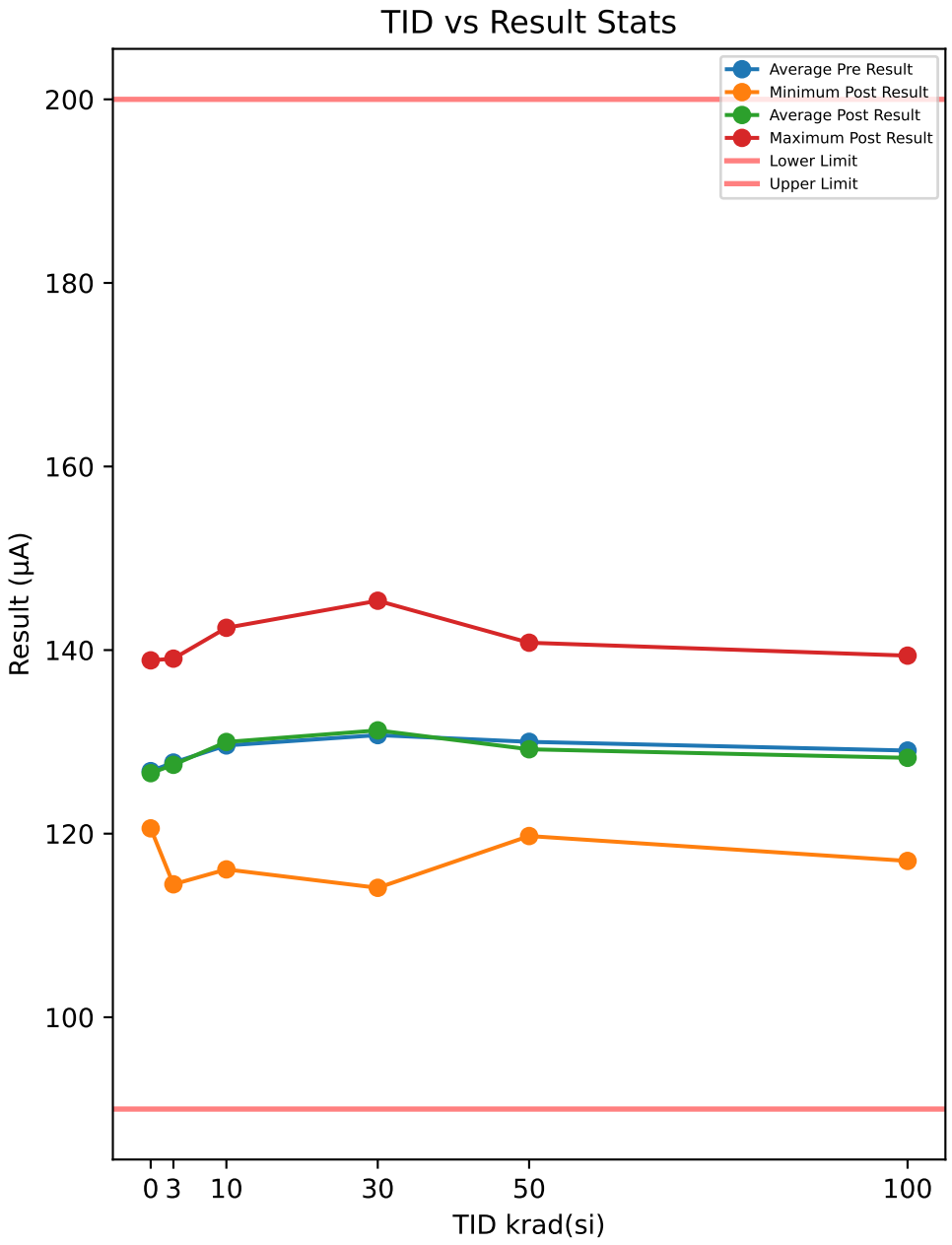
Test Results (Lower Limit = 1200.0, Upper Limit = 2100.0 (µS))

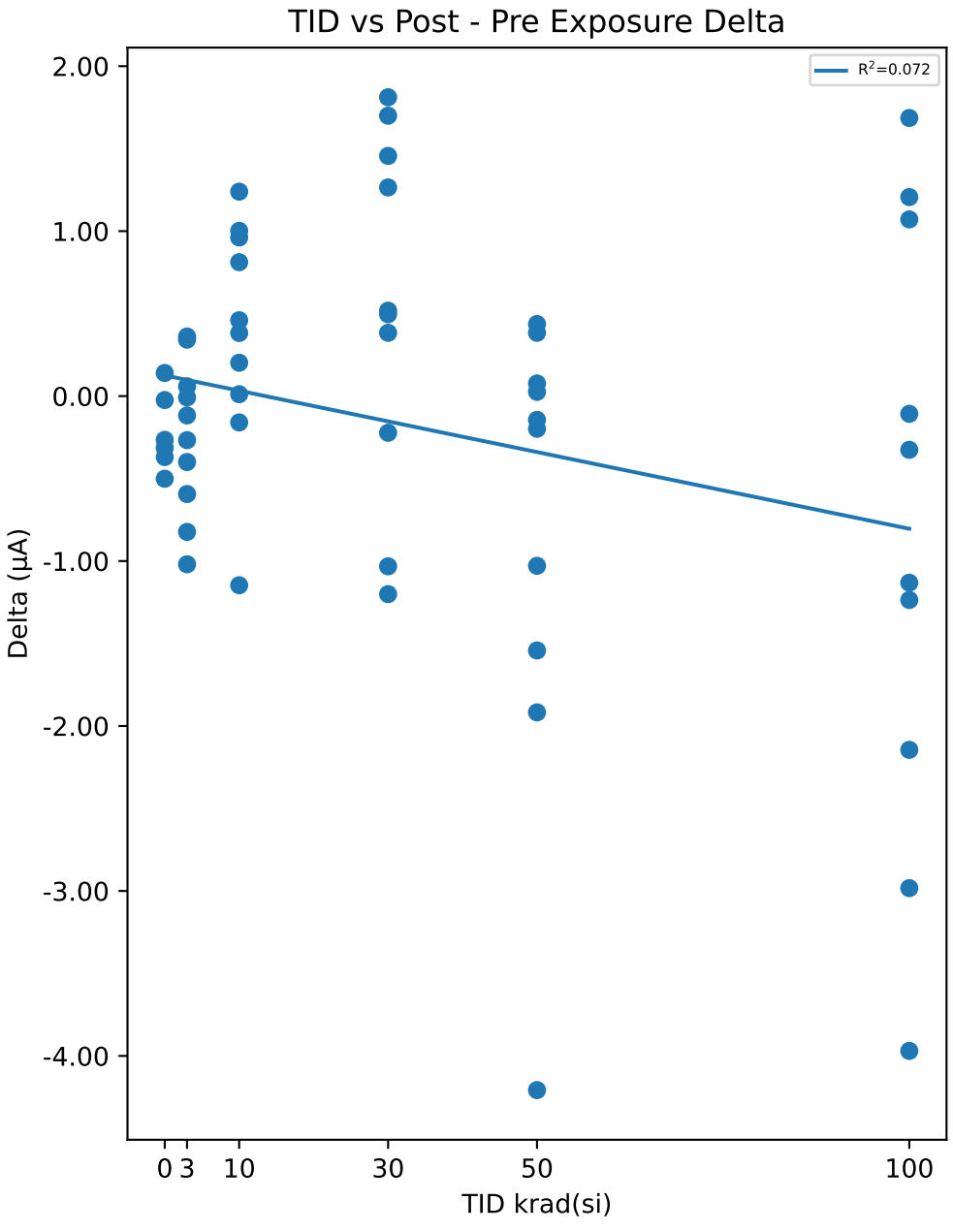
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	LDR Biased	1610.4	1640	29.572
2	3	LDR Biased	1640.7	1652	11.269
3	3	LDR Biased	1578.7	1584	5.2764
4	3	LDR Biased	1447.9	1452.7	4.7828
5	3	LDR Biased	1485.5	1473.6	-11.939
6	10	LDR Biased	1582.3	1590.8	8.522
7	10	LDR Biased	1573.2	1582.1	8.842
8	10	LDR Biased	1545.4	1574.3	28.893
9	10	LDR Biased	1630.1	1601	-29.057
10	10	LDR Biased	1562.6	1576.8	14.179
11	30	LDR Biased	1436.4	1434.2	-2.2839
12	30	LDR Biased	1635.3	1669.8	34.536
13	30	LDR Biased	1635	1658	22.993
14	30	LDR Biased	1590.9	1617.5	26.642
15	30	LDR Biased	1538.1	1525.5	-12.566
16	50	LDR Biased	1525.6	1542.5	16.986
17	50	LDR Biased	1595.2	1589.8	-5.4265
18	50	LDR Biased	1631.9	1634	2.1615
19	50	LDR Biased	1649.7	1654.4	4.7095
20	50	LDR Biased	1734.5	1754.1	19.639
21	100	LDR Biased	1498.4	1467	-31.398
22	100	LDR Biased	1710.3	1724.3	14.036
23	100	LDR Biased	1494	1481.9	-12.068
24	100	LDR Biased	1596.5	1609.1	12.625
25	100	LDR Biased	1663	1664.1	1.1464
26	3	LDR Unbiased	1657.1	1691.9	34.751
27	3	LDR Unbiased	1499	1513.4	14.4
28	3	LDR Unbiased	1721.8	1710	-11.741
29	3	LDR Unbiased	1639.6	1658.3	18.661
30	3	LDR Unbiased	1575.5	1554.7	-20.842
31	10	LDR Unbiased	1622.4	1660.8	38.409
32	10	LDR Unbiased	1641.6	1609.7	-31.888
33	10	LDR Unbiased	1723.8	1758	34.239
34	10	LDR Unbiased	1674.3	1688.9	14.622
35	10	LDR Unbiased	1465.4	1478.6	13.186
36	30	LDR Unbiased	1694.8	1704.3	9.5552
37	30	LDR Unbiased	1547.8	1570.9	23.124
38	30	LDR Unbiased	1643.5	1669.1	25.588
39	30	LDR Unbiased	1670.3	1666.5	-3.791
40	30	LDR Unbiased	1781.7	1795.2	13.545
41	50	LDR Unbiased	1577.9	1522.8	-55.045
42	50	LDR Unbiased	1682.2	1664.7	-17.509
43	50	LDR Unbiased	1574.3	1575.7	1.449
44	50	LDR Unbiased	1651.3	1642.7	-8.6418
45	50	LDR Unbiased	1490.8	1503.2	12.409
46	100	LDR Unbiased	1671.9	1630.9	-40.998
47	100	LDR Unbiased	1564	1569	4.9658
48	100	LDR Unbiased	1509.9	1490.6	-19.337
49	100	LDR Unbiased	1622.9	1672.9	49.993
50	100	LDR Unbiased	1640	1652.7	12.609
60	0	Correlation	1707.6	1709.5	1.9662
61	0	Correlation	1510.7	1504.7	-6.0222
62	0	Correlation	1652.7	1649.7	-3.0226
63	0	Correlation	1500.1	1513.7	13.636
64	0	Correlation	1574.1	1570.7	-3.3968
65	0	Correlation	1515.7	1515.7	-0.0342

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	1500.1	1576.8	1707.6	85.848	1504.7	1577.3	1709.5	84.707	-6.0222	0.52112	13.636	7.0018
3	1447.9	1585.6	1721.8	86.194	1452.7	1593.1	1710	91.447	-20.842	7.419	34.751	18.196
10	1465.4	1602.1	1723.8	72.628	1478.6	1612.1	1758	75.693	-31.888	9.9946	38.409	23.768
30	1436.4	1617.4	1781.7	95.253	1434.2	1631.1	1795.2	100.52	-12.566	13.734	34.536	15.587
50	1490.8	1611.3	1734.5	73.268	1503.2	1608.4	1754.1	76.366	-55.045	-2.9269	19.639	21.634
100	1494	1597.1	1710.3	77.691	1467	1596.2	1724.3	90.129	-40.998	-0.84276	49.993	26.289

Device Test: 18.13 _ERROR_AMP|STATIC/COMP/12////@EA_SOURCE





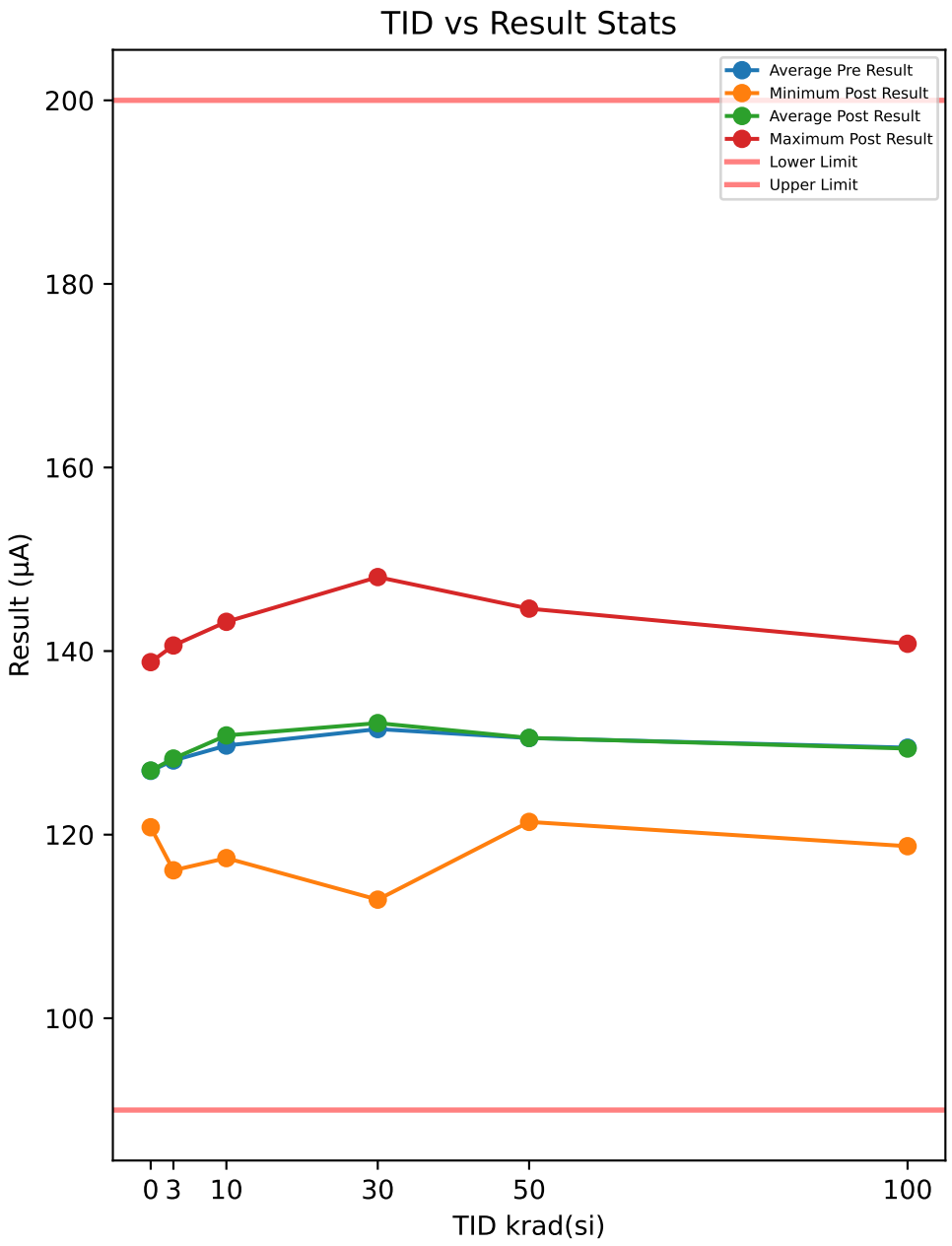
Test Results (Lower Limit = 90.0, Upper Limit = 200.0 (µA))

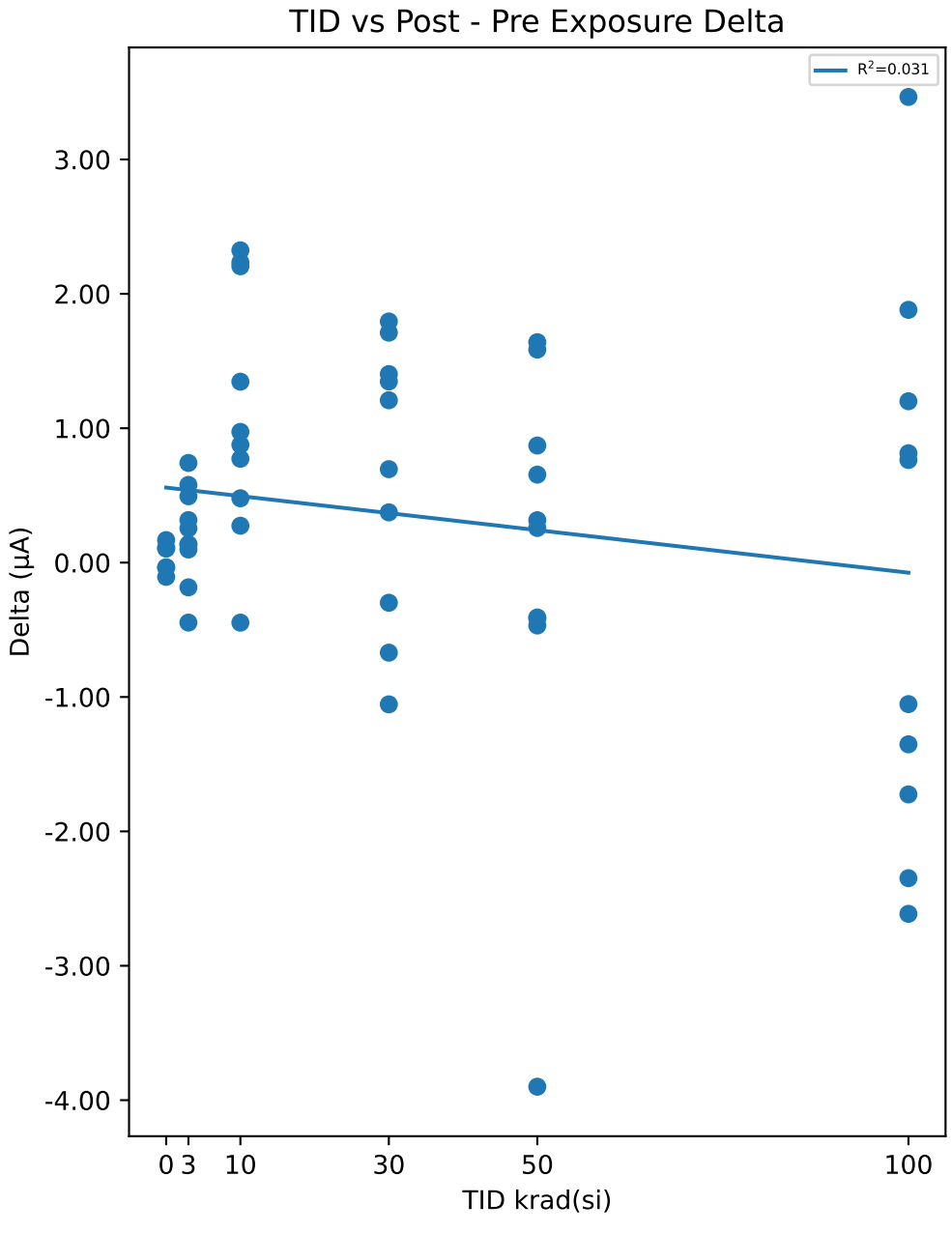
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	LDR Biased	130.86	130.92	0.0592
2	3	LDR Biased	132.32	132.05	-0.2671
3	3	LDR Biased	127.34	127.33	-0.008
4	3	LDR Biased	114.88	114.48	-0.3997
5	3	LDR Biased	118.85	117.83	-1.0196
6	10	LDR Biased	127.29	127.67	0.3826
7	10	LDR Biased	127.71	128.67	0.9615
8	10	LDR Biased	125.06	126.3	1.2393
9	10	LDR Biased	130.08	130.1	0.0113
10	10	LDR Biased	126.46	126.92	0.4597
11	30	LDR Biased	115.13	114.1	-1.0319
12	30	LDR Biased	132.69	134.5	1.8116
13	30	LDR Biased	131.79	133.49	1.6998
14	30	LDR Biased	128.04	129.5	1.456
15	30	LDR Biased	123.01	121.81	-1.2005
16	50	LDR Biased	123.68	124.07	0.3836
17	50	LDR Biased	129.05	129.13	0.0765
18	50	LDR Biased	129.82	130.26	0.4367
19	50	LDR Biased	133	131.97	-1.0289
20	50	LDR Biased	140.78	140.8	0.0257
21	100	LDR Biased	120.58	119.34	-1.2361
22	100	LDR Biased	140.53	139.4	-1.1314
23	100	LDR Biased	119.17	117.03	-2.1445
24	100	LDR Biased	127.81	128.88	1.071
25	100	LDR Biased	135.22	134.89	-0.3257
26	3	LDR Unbiased	134.58	134.94	0.3611
27	3	LDR Unbiased	120.48	120.83	0.3423
28	3	LDR Unbiased	139.18	139.07	-0.1173
29	3	LDR Unbiased	133.53	132.94	-0.5937
30	3	LDR Unbiased	125.45	124.63	-0.8232
31	10	LDR Unbiased	132.55	133.36	0.8117
32	10	LDR Unbiased	132.61	132.81	0.2022
33	10	LDR Unbiased	142.59	142.43	-0.1597
34	10	LDR Unbiased	134.5	135.5	1.0019
35	10	LDR Unbiased	117.25	116.11	-1.1467
36	30	LDR Unbiased	137.37	137.76	0.3835
37	30	LDR Unbiased	125.95	126.44	0.4965
38	30	LDR Unbiased	133.13	134.39	1.265
39	30	LDR Unbiased	134.64	135.16	0.5176
40	30	LDR Unbiased	145.6	145.38	-0.2224
41	50	LDR Unbiased	126.37	122.16	-4.2072
42	50	LDR Unbiased	135.34	133.8	-1.5421
43	50	LDR Unbiased	126.88	126.74	-0.1443
44	50	LDR Unbiased	135.17	133.26	-1.9173
45	50	LDR Unbiased	119.94	119.74	-0.1981
46	100	LDR Unbiased	135.17	132.19	-2.9828
47	100	LDR Unbiased	123.78	124.98	1.2064
48	100	LDR Unbiased	121.84	117.87	-3.9696
49	100	LDR Unbiased	131.79	133.47	1.6859
50	100	LDR Unbiased	134.67	134.57	-0.1076
60	0	Correlation	138.9	138.88	-0.0239
61	0	Correlation	121.97	121.7	-0.2653
62	0	Correlation	131.83	131.52	-0.3146
63	0	Correlation	121.2	121.34	0.1401
64	0	Correlation	125.9	125.53	-0.3694
65	0	Correlation	121.08	120.58	-0.5009

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	121.08	126.81	138.9	7.2116	120.58	126.59	138.88	7.2664	-0.5009	-0.22233	0.1401	0.23678
3	114.88	127.75	139.18	7.7784	114.48	127.5	139.07	7.9376	-1.0196	-0.2466	0.3611	0.46638
10	117.25	129.61	142.59	6.6874	116.11	129.99	142.43	6.8906	-1.1467	0.37638	1.2393	0.70281
30	115.13	130.74	145.6	8.3282	114.1	131.25	145.38	8.7689	-1.2005	0.51752	1.8116	1.0765
50	119.94	130	140.78	6.195	119.74	129.19	140.8	6.2579	-4.2072	-0.81154	0.4367	1.4388
100	119.17	129.06	140.53	7.4308	117.03	128.26	139.4	7.9931	-3.9696	-0.79344	1.6859	1.8657

Device Test: 18.14 _ERROR_AMP|STATIC/COMP/12////@EA_SINK





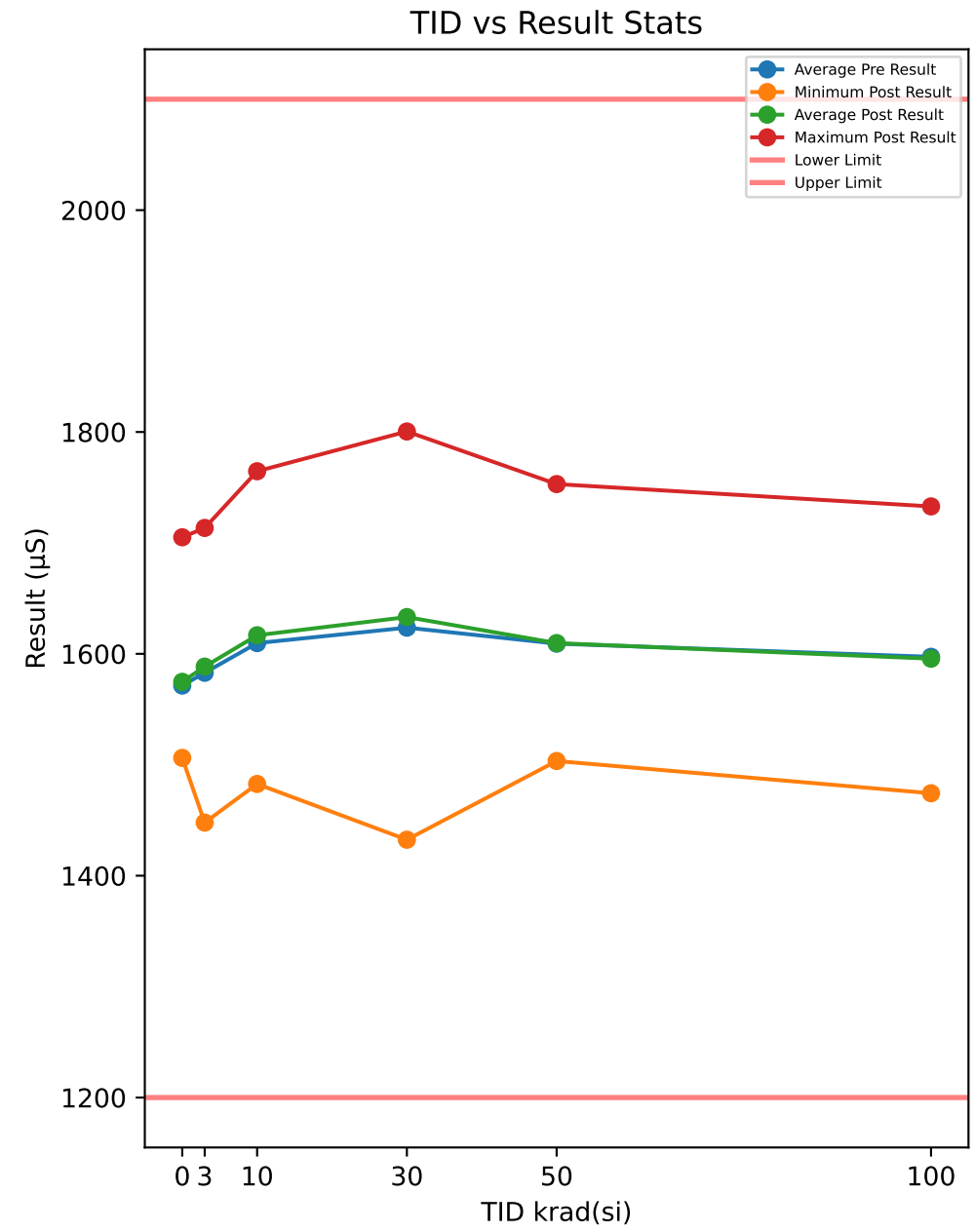
Test Results (Lower Limit = 90.0, Upper Limit = 200.0 (µA))

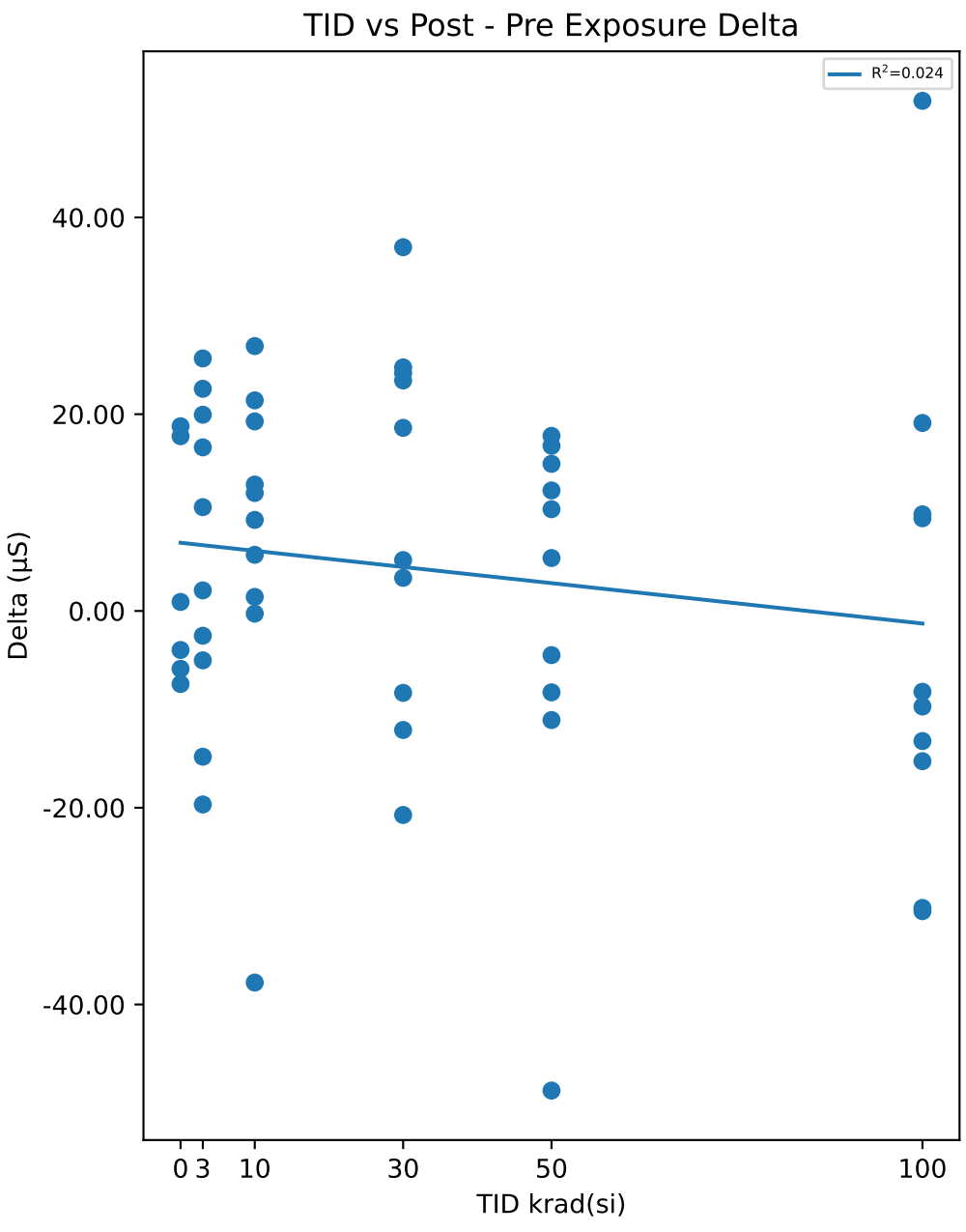
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	LDR Biased	129.85	130.59	0.7415
2	3	LDR Biased	132.89	133.03	0.136
3	3	LDR Biased	127.55	127.87	0.3164
4	3	LDR Biased	116.02	116.12	0.0978
5	3	LDR Biased	118.08	117.63	-0.4464
6	10	LDR Biased	127.44	128.42	0.9727
7	10	LDR Biased	126.29	127.64	1.3463
8	10	LDR Biased	125.84	128.04	2.2052
9	10	LDR Biased	129.8	130.57	0.7726
10	10	LDR Biased	125.98	126.85	0.8769
11	30	LDR Biased	113.97	112.92	-1.0549
12	30	LDR Biased	131.91	133.62	1.7112
13	30	LDR Biased	133.81	135.61	1.7942
14	30	LDR Biased	130.57	131.91	1.3481
15	30	LDR Biased	124.23	123.56	-0.6701
16	50	LDR Biased	123.2	123.51	0.3156
17	50	LDR Biased	128.74	128.33	-0.4132
18	50	LDR Biased	131.99	132.86	0.8712
19	50	LDR Biased	134.41	135.06	0.6548
20	50	LDR Biased	143.04	144.62	1.5853
21	100	LDR Biased	120.47	118.74	-1.7249
22	100	LDR Biased	142.15	140.8	-1.3521
23	100	LDR Biased	120.33	119.27	-1.053
24	100	LDR Biased	128.76	130.64	1.8809
25	100	LDR Biased	134.73	135.5	0.7635
26	3	LDR Unbiased	136.26	136.84	0.5781
27	3	LDR Unbiased	119.87	120.37	0.4937
28	3	LDR Unbiased	140.35	140.61	0.2553
29	3	LDR Unbiased	132.5	132.64	0.1354
30	3	LDR Unbiased	127.41	127.23	-0.184
31	10	LDR Unbiased	132.66	134.98	2.3238
32	10	LDR Unbiased	132.1	132.57	0.4787
33	10	LDR Unbiased	142.91	143.19	0.2743
34	10	LDR Unbiased	136.15	138.39	2.2346
35	10	LDR Unbiased	117.89	117.45	-0.4467
36	30	LDR Unbiased	137.33	138.53	1.2081
37	30	LDR Unbiased	125.88	126.58	0.6952
38	30	LDR Unbiased	135.3	135.67	0.3738
39	30	LDR Unbiased	135.36	135.06	-0.2988
40	30	LDR Unbiased	146.66	148.06	1.4029
41	50	LDR Unbiased	126.2	122.3	-3.9
42	50	LDR Unbiased	136.59	136.12	-0.4679
43	50	LDR Unbiased	127.88	128.14	0.2578
44	50	LDR Unbiased	133.47	133.06	-0.4086
45	50	LDR Unbiased	119.75	121.39	1.6402
46	100	LDR Unbiased	133.77	131.15	-2.6137
47	100	LDR Unbiased	125.53	126.34	0.8138
48	100	LDR Unbiased	121.75	119.4	-2.3484
49	100	LDR Unbiased	132.99	136.45	3.4651
50	100	LDR Unbiased	134.31	135.51	1.2007
60	0	Correlation	138.9	138.8	-0.1061
61	0	Correlation	121.44	121.6	0.1676
62	0	Correlation	132.71	132.67	-0.0362
63	0	Correlation	120.7	120.81	0.1041
64	0	Correlation	126.45	126.56	0.1117
65	0	Correlation	121.51	121.48	-0.0355

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	120.7	126.95	138.9	7.4192	120.81	126.98	138.8	7.341	-0.1061	0.034267	0.1676	0.10788
3	116.02	128.08	140.35	8.0067	116.12	128.29	140.61	8.1468	-0.4464	0.21238	0.7415	0.35301
10	117.89	129.71	142.91	6.796	117.45	130.81	143.19	7.0627	-0.4467	1.1038	2.3238	0.92498
30	113.97	131.5	146.66	8.7621	112.92	132.15	148.06	9.4493	-1.0549	0.65097	1.7942	1.0236
50	119.75	130.53	143.04	6.8145	121.39	130.54	144.62	7.2524	-3.9	0.01352	1.6402	1.5749
100	120.33	129.48	142.15	7.3262	118.74	129.38	140.8	8.057	-2.6137	-0.09681	3.4651	2.011

Device Test: 18.17 _EA|STATIC/COMP/14////@EA_GM





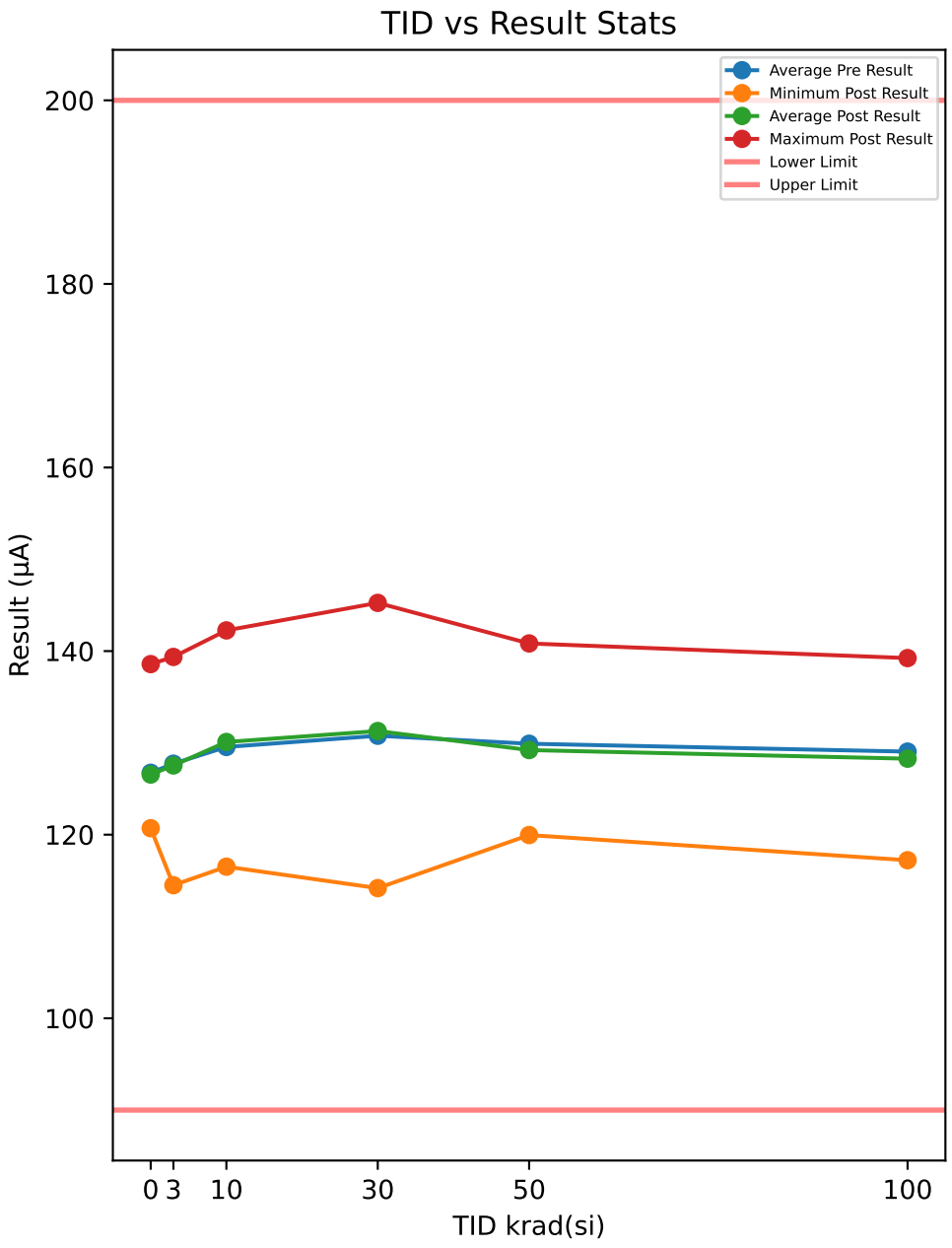
Test Results (Lower Limit = 1200.0, Upper Limit = 2100.0 (µS))

Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	LDR Biased	1603	1628.7	25.668
2	3	LDR Biased	1631.6	1648.3	16.631
3	3	LDR Biased	1580.2	1600.1	19.947
4	3	LDR Biased	1445.8	1447.9	2.09
5	3	LDR Biased	1479.9	1460.3	-19.669
6	10	LDR Biased	1586	1585.7	-0.2698
7	10	LDR Biased	1571.3	1590.6	19.27
8	10	LDR Biased	1550.1	1577	26.925
9	10	LDR Biased	1602.6	1624	21.407
10	10	LDR Biased	1580.4	1586.1	5.7076
11	30	LDR Biased	1444.5	1432.4	-12.099
12	30	LDR Biased	1643.9	1668.1	24.183
13	30	LDR Biased	1636.8	1673.8	36.972
14	30	LDR Biased	1594.5	1619.3	24.755
15	30	LDR Biased	1528.9	1532.3	3.3654
16	50	LDR Biased	1532.5	1544.8	12.248
17	50	LDR Biased	1586.8	1603.6	16.789
18	50	LDR Biased	1621.5	1636.5	14.955
19	50	LDR Biased	1649.2	1644.7	-4.4866
20	50	LDR Biased	1735.2	1753	17.796
21	100	LDR Biased	1504.5	1474.3	-30.184
22	100	LDR Biased	1713.8	1732.9	19.109
23	100	LDR Biased	1495.3	1480.1	-15.27
24	100	LDR Biased	1587	1596.4	9.4231
25	100	LDR Biased	1655.5	1645.8	-9.7112
26	3	LDR Unbiased	1662.5	1685.1	22.584
27	3	LDR Unbiased	1500.3	1510.8	10.552
28	3	LDR Unbiased	1718.5	1713.5	-5.0198
29	3	LDR Unbiased	1634.6	1632.1	-2.5202
30	3	LDR Unbiased	1573	1558.2	-14.814
31	10	LDR Unbiased	1649.7	1659	9.2573
32	10	LDR Unbiased	1650.4	1612.6	-37.771
33	10	LDR Unbiased	1751.8	1764.6	12.851
34	10	LDR Unbiased	1683.9	1685.3	1.4293
35	10	LDR Unbiased	1470.7	1482.7	11.99
36	30	LDR Unbiased	1713.8	1693.1	-20.736
37	30	LDR Unbiased	1551.5	1570.1	18.614
38	30	LDR Unbiased	1650.4	1673.8	23.43
39	30	LDR Unbiased	1676.5	1668.1	-8.326
40	30	LDR Unbiased	1795.3	1800.5	5.173
41	50	LDR Unbiased	1571.8	1523	-48.747
42	50	LDR Unbiased	1678.8	1667.8	-11.09
43	50	LDR Unbiased	1580.4	1572.1	-8.2711
44	50	LDR Unbiased	1642.6	1648	5.3808
45	50	LDR Unbiased	1493.1	1503.4	10.342
46	100	LDR Unbiased	1658.5	1628	-30.514
47	100	LDR Unbiased	1565.9	1575.7	9.8244
48	100	LDR Unbiased	1506.2	1493	-13.223
49	100	LDR Unbiased	1622.2	1674.1	51.854
50	100	LDR Unbiased	1664.1	1655.9	-8.2126
60	0	Correlation	1686.3	1705.1	18.775
61	0	Correlation	1516.9	1509.5	-7.4246
62	0	Correlation	1641	1658.7	17.765
63	0	Correlation	1505.3	1506.2	0.919
64	0	Correlation	1560.5	1556.6	-3.967
65	0	Correlation	1518.5	1512.6	-5.88

Test Statistics (µS)

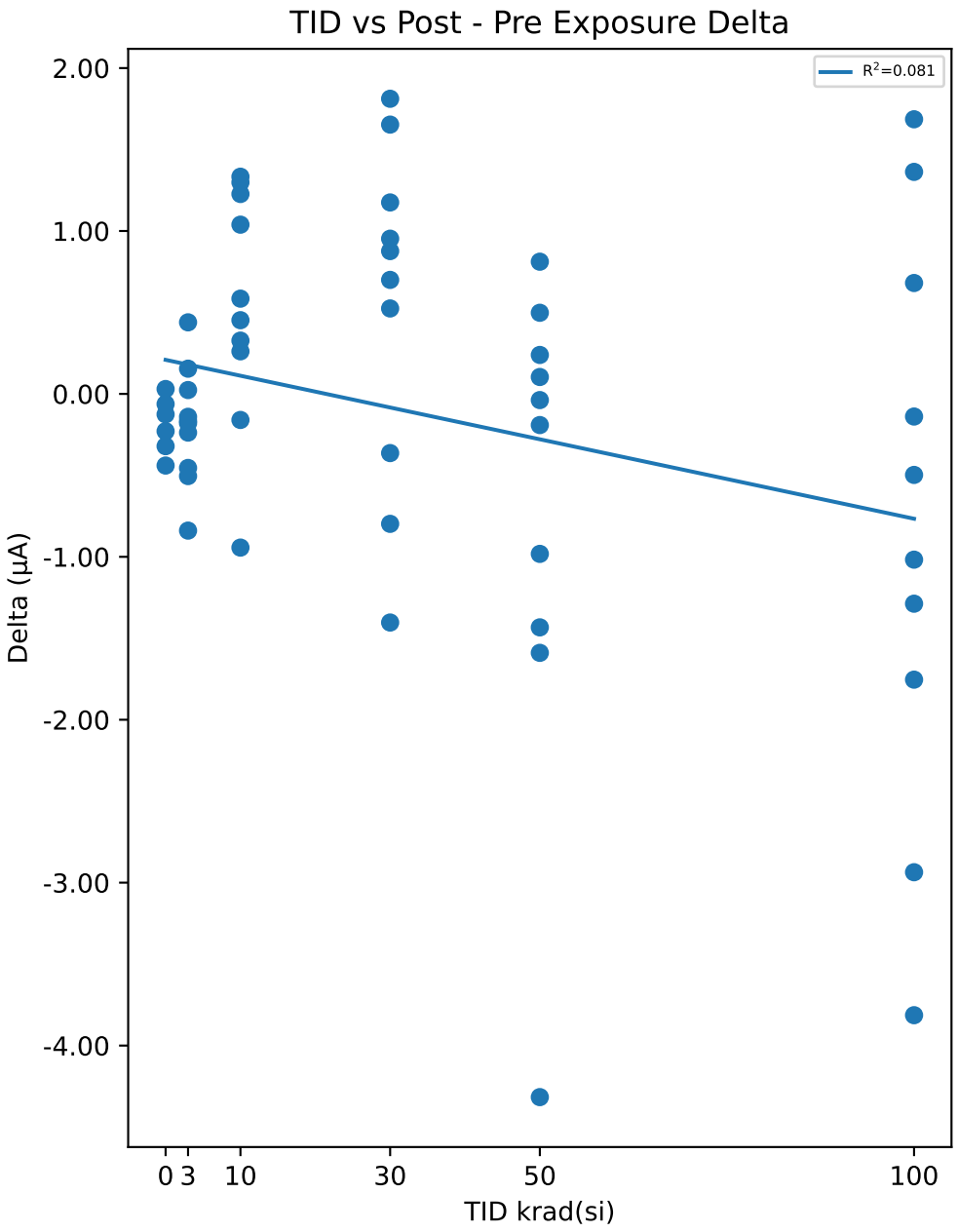
krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	1505.3	1571.4	1686.3	75.234	1506.2	1574.8	1705.1	86.243	-7.4246	3.3645	18.775	11.887
3	1445.8	1582.9	1718.5	85.966	1447.9	1588.5	1713.5	91.494	-19.669	5.5448	25.668	15.95
10	1470.7	1609.7	1751.8	78.004	1482.7	1616.8	1764.6	74.947	-37.771	7.0797	26.925	17.979
30	1444.5	1623.6	1795.3	99.322	1432.4	1633.2	1800.5	101.08	-20.736	9.5331	36.972	18.959
50	1493.1	1609.2	1735.2	71.264	1503.4	1609.7	1753	75.868	-48.747	0.49166	17.796	20.258
100	1495.3	1597.3	1713.8	77.59	1474.3	1595.6	1732.9	88.937	-30.514	-1.6904	51.854	24.995

Device Test: 18.18 _ERROR_AMP|STATIC/COMP/14////@EA_SOURCE



Test Results (Lower Limit = 90.0, Upper Limit = 200.0 (µA))

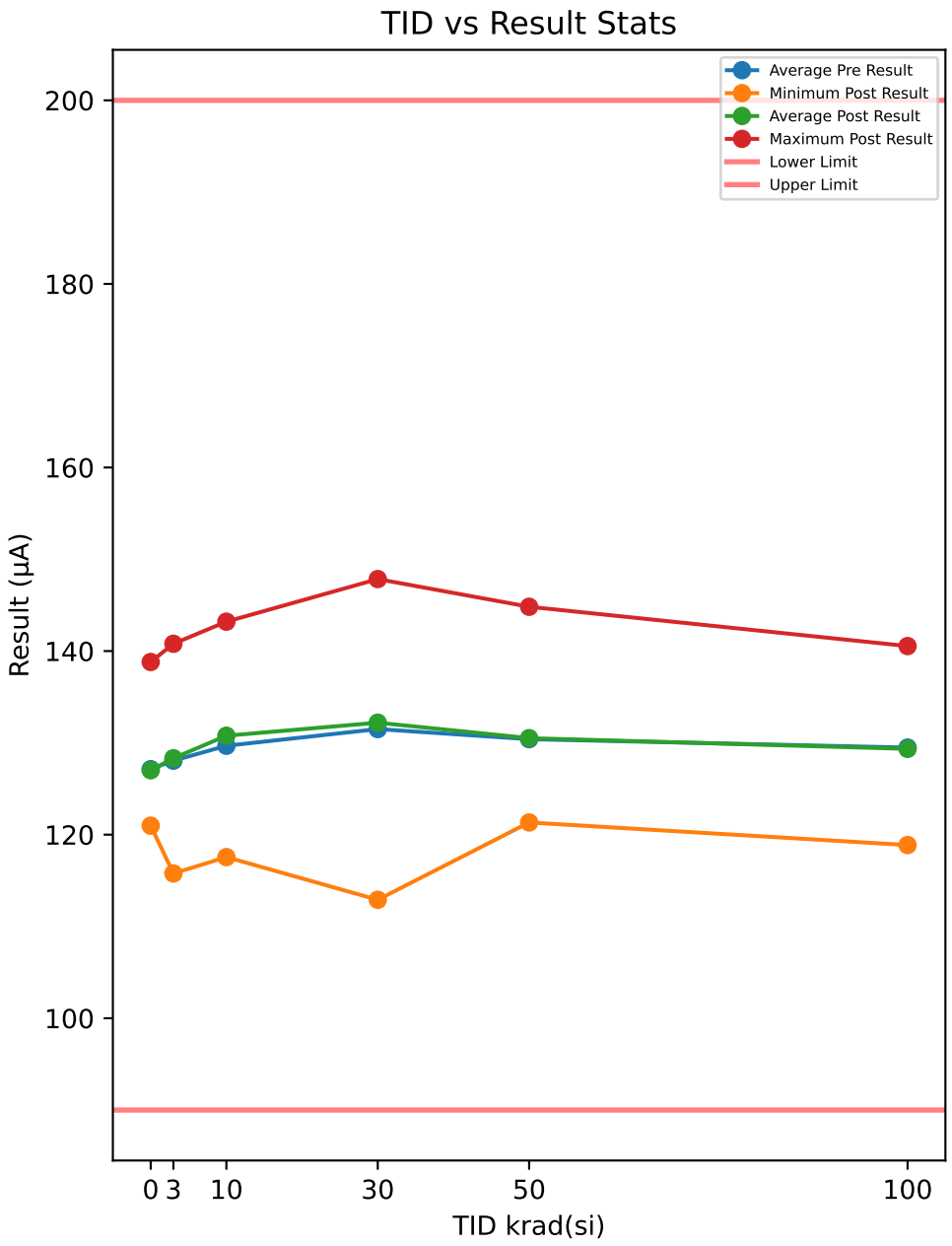
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	LDR Biased	131.05	130.81	-0.2375
2	3	LDR Biased	132.44	131.99	-0.4545
3	3	LDR Biased	127.45	127.27	-0.1798
4	3	LDR Biased	114.66	114.5	-0.1656
5	3	LDR Biased	118.44	117.94	-0.5044
6	10	LDR Biased	127.02	128.06	1.0388
7	10	LDR Biased	127.63	128.86	1.2271
8	10	LDR Biased	125.06	126.39	1.3331
9	10	LDR Biased	130.12	130.38	0.2614
10	10	LDR Biased	126.43	127.02	0.5847
11	30	LDR Biased	114.97	114.18	-0.7976
12	30	LDR Biased	132.69	134.5	1.8116
13	30	LDR Biased	131.82	133.47	1.653
14	30	LDR Biased	128.38	129.56	1.1752
15	30	LDR Biased	123.26	121.86	-1.4033
16	50	LDR Biased	123.93	123.9	-0.0379
17	50	LDR Biased	128.65	129.15	0.498
18	50	LDR Biased	129.68	130.49	0.8115
19	50	LDR Biased	132.97	131.99	-0.982
20	50	LDR Biased	140.73	140.83	0.1038
21	100	LDR Biased	120.47	119.45	-1.0174
22	100	LDR Biased	140.53	139.24	-1.2877
23	100	LDR Biased	118.97	117.22	-1.754
24	100	LDR Biased	128.13	128.81	0.6807
25	100	LDR Biased	135.42	134.93	-0.4973
26	3	LDR Unbiased	134.6	135.03	0.4393
27	3	LDR Unbiased	120.55	120.7	0.1549
28	3	LDR Unbiased	139.34	139.36	0.0237
29	3	LDR Unbiased	133.47	133.33	-0.1406
30	3	LDR Unbiased	125.32	124.48	-0.8391
31	10	LDR Unbiased	132.69	133.14	0.4524
32	10	LDR Unbiased	132.5	132.83	0.3271
33	10	LDR Unbiased	142.42	142.26	-0.1599
34	10	LDR Unbiased	134.22	135.52	1.2984
35	10	LDR Unbiased	117.46	116.51	-0.9434
36	30	LDR Unbiased	137.45	137.98	0.5245
37	30	LDR Unbiased	125.9	126.6	0.6998
38	30	LDR Unbiased	133.38	134.33	0.9527
39	30	LDR Unbiased	134.3	135.18	0.8767
40	30	LDR Unbiased	145.61	145.25	-0.3632
41	50	LDR Unbiased	126.51	122.19	-4.3164
42	50	LDR Unbiased	135.13	133.69	-1.433
43	50	LDR Unbiased	126.87	126.68	-0.1912
44	50	LDR Unbiased	134.89	133.3	-1.5894
45	50	LDR Unbiased	119.72	119.96	0.2391
46	100	LDR Unbiased	135.11	132.17	-2.936
47	100	LDR Unbiased	123.86	125.22	1.3628
48	100	LDR Unbiased	121.66	117.84	-3.8136
49	100	LDR Unbiased	131.63	133.32	1.6857
50	100	LDR Unbiased	134.74	134.6	-0.1389
60	0	Correlation	138.9	138.58	-0.3208
61	0	Correlation	121.84	121.78	-0.0622
62	0	Correlation	131.77	131.33	-0.4397
63	0	Correlation	121.44	121.31	-0.1253
64	0	Correlation	125.84	125.61	-0.2289
65	0	Correlation	120.67	120.7	0.03

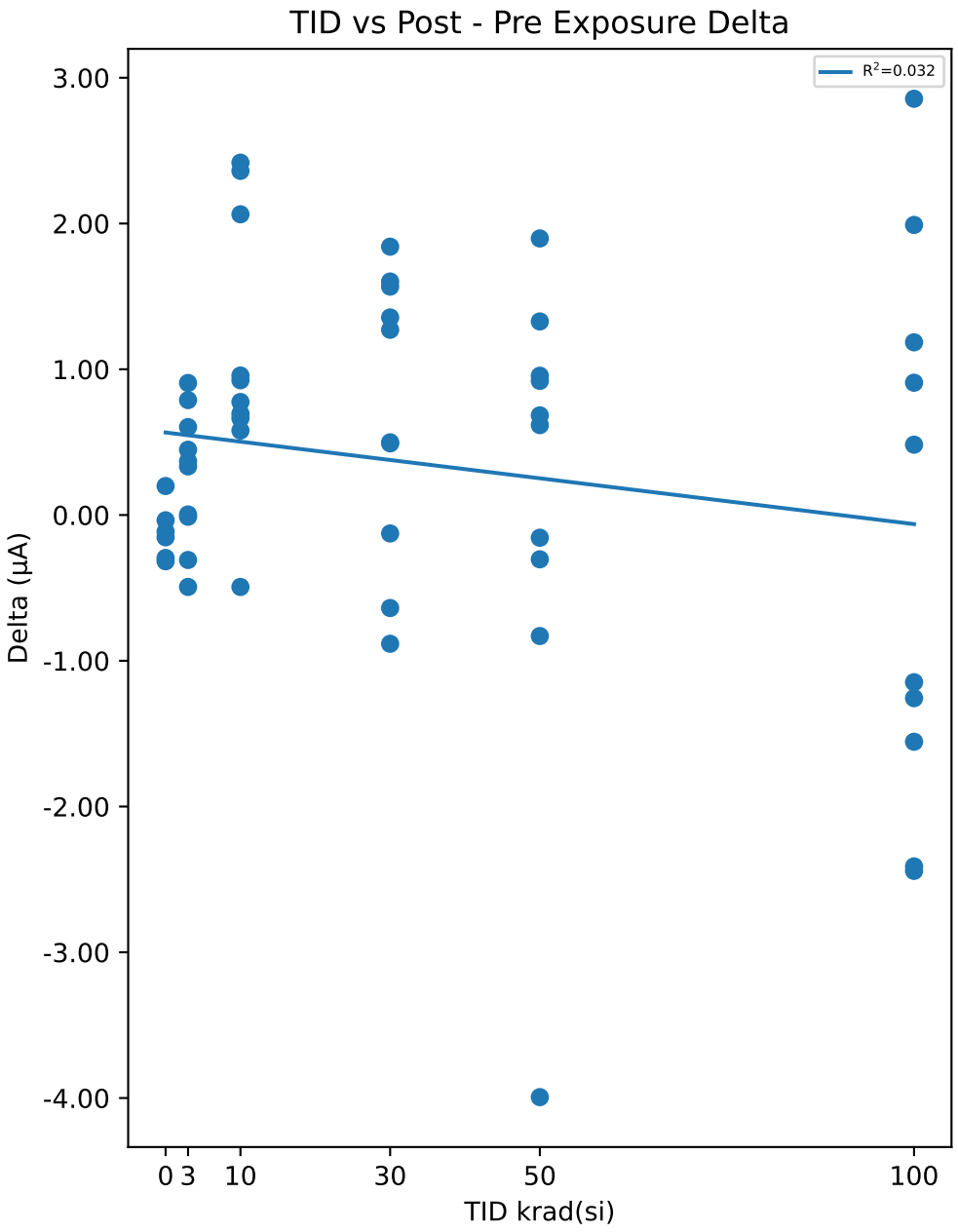


Test Statistics (µA)

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	120.67	126.74	138.9	7.2523	120.7	126.55	138.58	7.1119	-0.4397	-0.19115	0.03	0.17314
3	114.66	127.73	139.34	7.9067	114.5	127.54	139.36	8.0175	-0.8391	-0.19036	0.4393	0.35842
10	117.46	129.56	142.42	6.6033	116.51	130.1	142.26	6.7285	-0.9434	0.54197	1.3331	0.72633
30	114.97	130.78	145.61	8.3286	114.18	131.29	145.25	8.7293	-1.4033	0.51294	1.8116	1.0511
50	119.72	129.91	140.73	6.1505	119.96	129.22	140.83	6.2429	-4.3164	-0.68975	0.8115	1.5067
100	118.97	129.05	140.53	7.4962	117.22	128.28	139.24	7.9135	-3.8136	-0.77157	1.6857	1.7767

Device Test: 18.19 _ERROR_AMP|STATIC/COMP/14////@EA_SINK





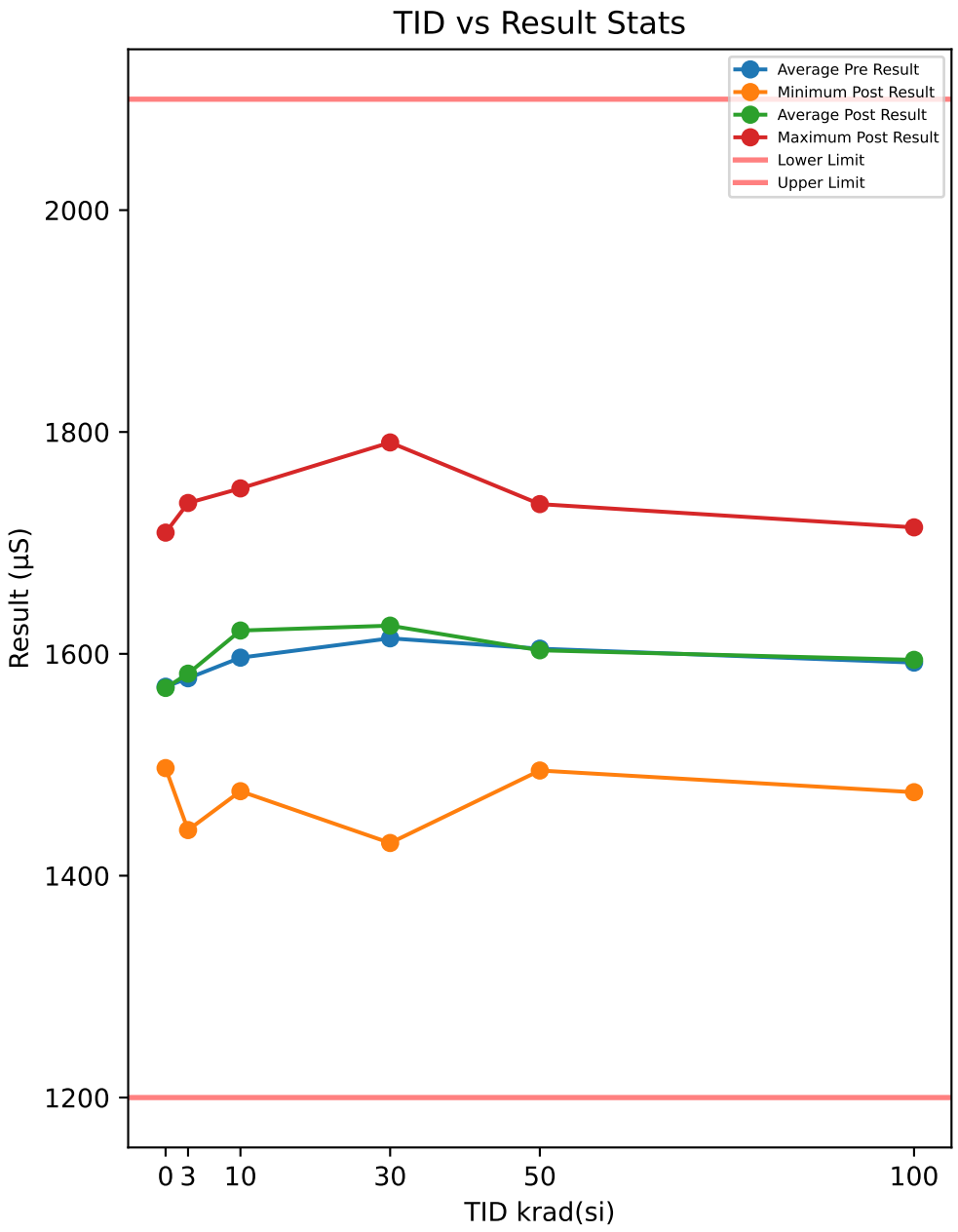
Test Results (Lower Limit = 90.0, Upper Limit = 200.0 (µA))

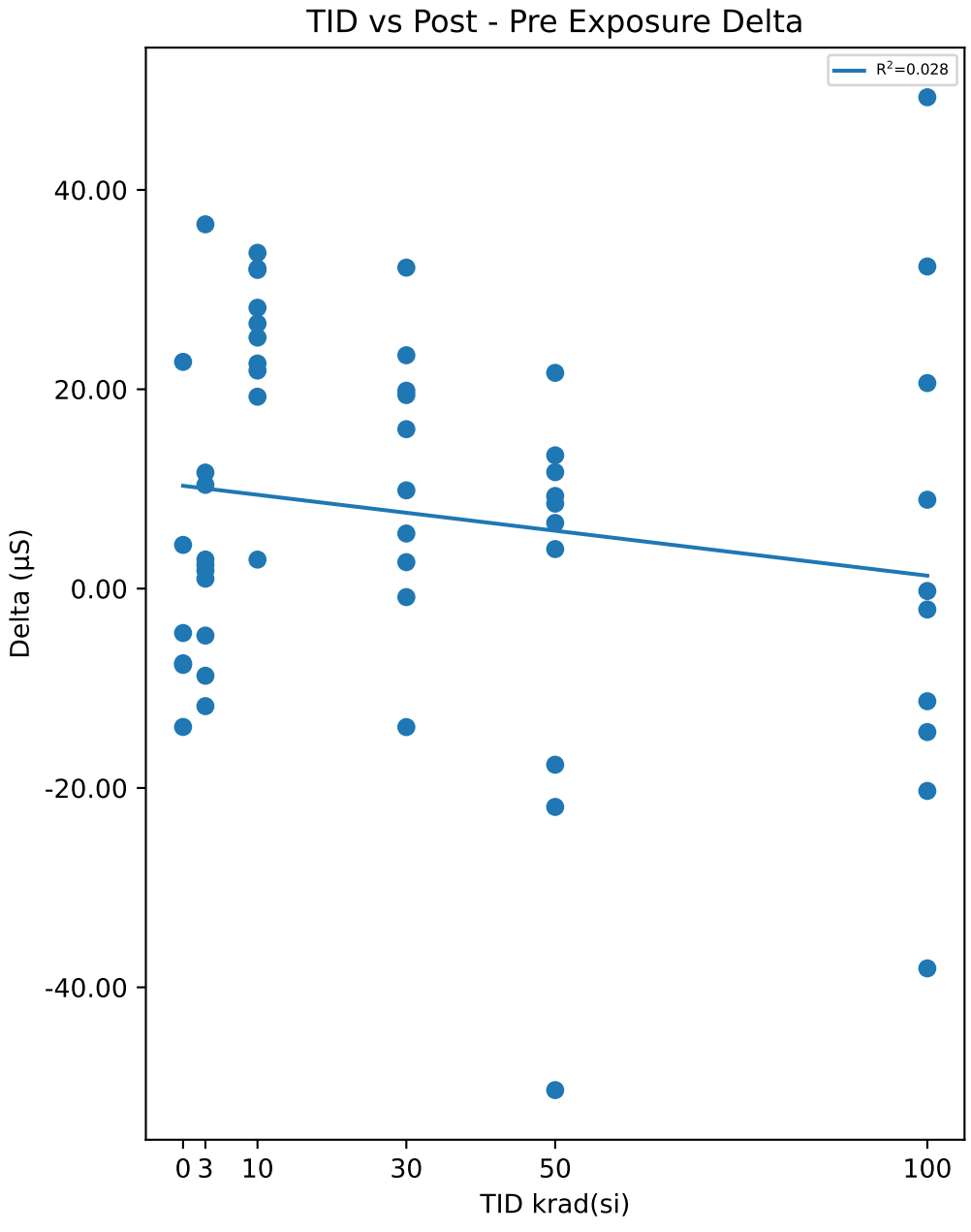
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	LDR Biased	129.96	130.75	0.7885
2	3	LDR Biased	132.6	133.04	0.4481
3	3	LDR Biased	127.63	127.62	-0.0118
4	3	LDR Biased	116.08	115.77	-0.3085
5	3	LDR Biased	118.05	117.56	-0.4934
6	10	LDR Biased	127.51	128.46	0.9571
7	10	LDR Biased	126.51	127.43	0.9246
8	10	LDR Biased	125.63	128	2.3613
9	10	LDR Biased	129.75	130.42	0.6631
10	10	LDR Biased	125.85	126.43	0.5798
11	30	LDR Biased	113.79	112.9	-0.8833
12	30	LDR Biased	132.08	133.68	1.6021
13	30	LDR Biased	133.81	135.65	1.8411
14	30	LDR Biased	130.5	132.07	1.567
15	30	LDR Biased	124.49	123.86	-0.6381
16	50	LDR Biased	122.62	123.58	0.9556
17	50	LDR Biased	128.65	128.34	-0.3039
18	50	LDR Biased	132.03	132.72	0.6838
19	50	LDR Biased	134.08	135	0.9201
20	50	LDR Biased	142.93	144.83	1.8976
21	100	LDR Biased	120.12	118.87	-1.2565
22	100	LDR Biased	142.1	140.55	-1.5554
23	100	LDR Biased	120.17	119.02	-1.147
24	100	LDR Biased	128.68	130.67	1.9902
25	100	LDR Biased	135.03	135.51	0.4827
26	3	LDR Unbiased	135.92	136.83	0.9059
27	3	LDR Unbiased	120.08	120.68	0.6034
28	3	LDR Unbiased	140.46	140.8	0.3336
29	3	LDR Unbiased	132.28	132.65	0.3696
30	3	LDR Unbiased	127.54	127.54	0.0038
31	10	LDR Unbiased	132.56	134.98	2.4175
32	10	LDR Unbiased	132	132.78	0.7756
33	10	LDR Unbiased	142.51	143.2	0.6958
34	10	LDR Unbiased	136.47	138.53	2.0632
35	10	LDR Unbiased	118.05	117.56	-0.4934
36	30	LDR Unbiased	137.42	138.69	1.2709
37	30	LDR Unbiased	125.87	126.36	0.4917
38	30	LDR Unbiased	135.16	135.65	0.4987
39	30	LDR Unbiased	135.41	135.28	-0.1265
40	30	LDR Unbiased	146.49	147.84	1.3555
41	50	LDR Unbiased	126.27	122.28	-3.9937
42	50	LDR Unbiased	136.19	136.03	-0.1558
43	50	LDR Unbiased	127.63	128.25	0.6168
44	50	LDR Unbiased	133.63	132.8	-0.8302
45	50	LDR Unbiased	120	121.33	1.328
46	100	LDR Unbiased	133.88	131.43	-2.4416
47	100	LDR Unbiased	125.56	126.46	0.9077
48	100	LDR Unbiased	121.84	119.43	-2.4107
49	100	LDR Unbiased	133.2	136.06	2.8559
50	100	LDR Unbiased	134.27	135.45	1.185
60	0	Correlation	138.96	138.81	-0.1529
61	0	Correlation	121.7	121.59	-0.1135
62	0	Correlation	133	132.68	-0.3172
63	0	Correlation	121.01	120.98	-0.0362
64	0	Correlation	126.59	126.29	-0.2945
65	0	Correlation	121.54	121.74	0.1989

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	121.01	127.14	138.96	7.3877	120.98	127.02	138.81	7.2871	-0.3172	-0.11923	0.1989	0.1893
3	116.08	128.06	140.46	7.9268	115.77	128.32	140.8	8.2175	-0.4934	0.26392	0.9059	0.45915
10	118.05	129.68	142.51	6.7116	117.56	130.78	143.2	7.1047	-0.4934	1.0945	2.4175	0.91738
30	113.79	131.5	146.49	8.7527	112.9	132.2	147.84	9.4189	-0.8833	0.69791	1.8411	0.98249
50	120	130.4	142.93	6.7781	121.33	130.51	144.83	7.2693	-3.9937	0.11183	1.8976	1.6534
100	120.12	129.48	142.1	7.4146	118.87	129.35	140.55	7.9923	-2.4416	-0.13897	2.8559	1.87

Device Test: 18.2 _EA|STATIC/COMP/4.5////@EA_GM





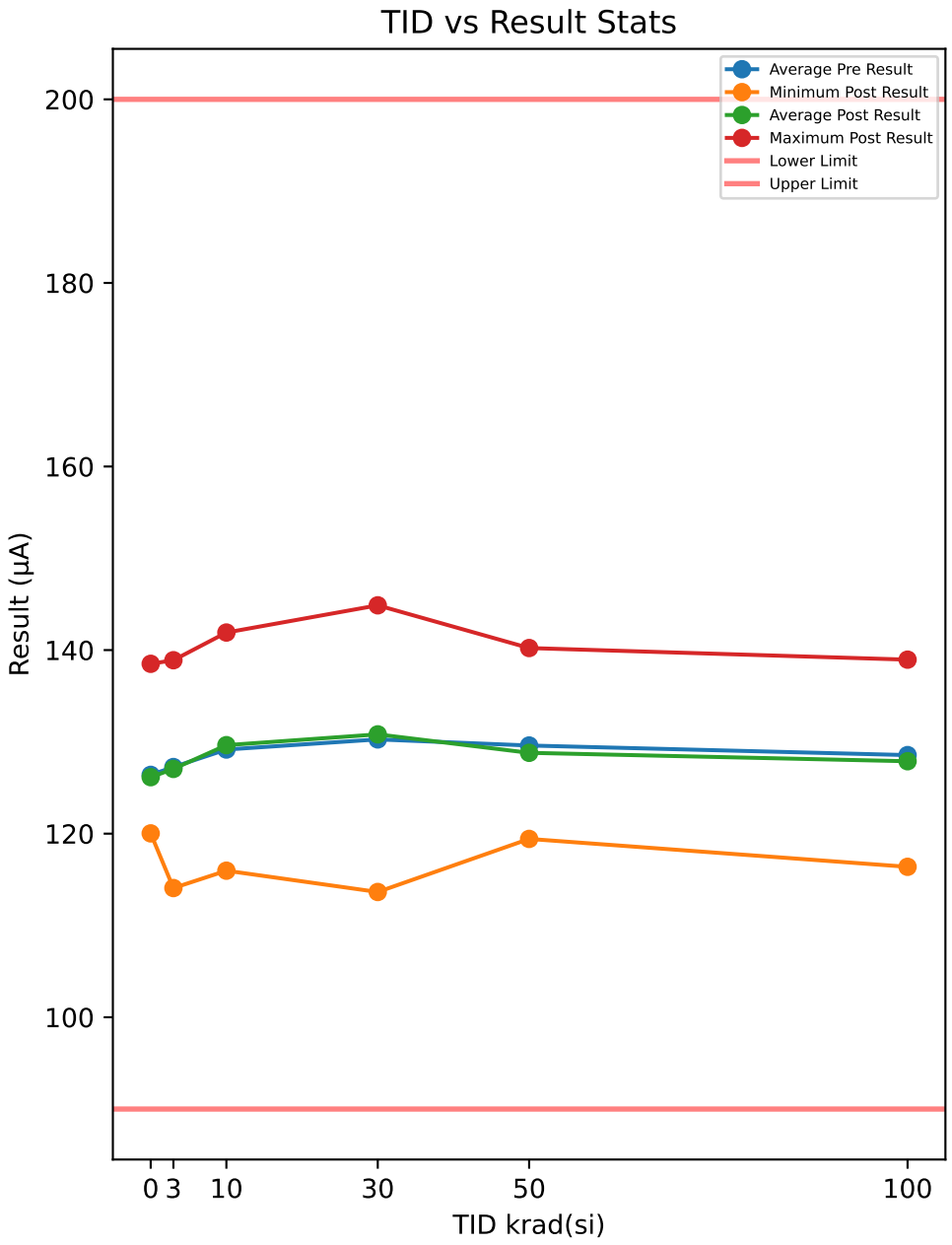
Test Results (Lower Limit = 1200.0, Upper Limit = 2100.0 (µS))

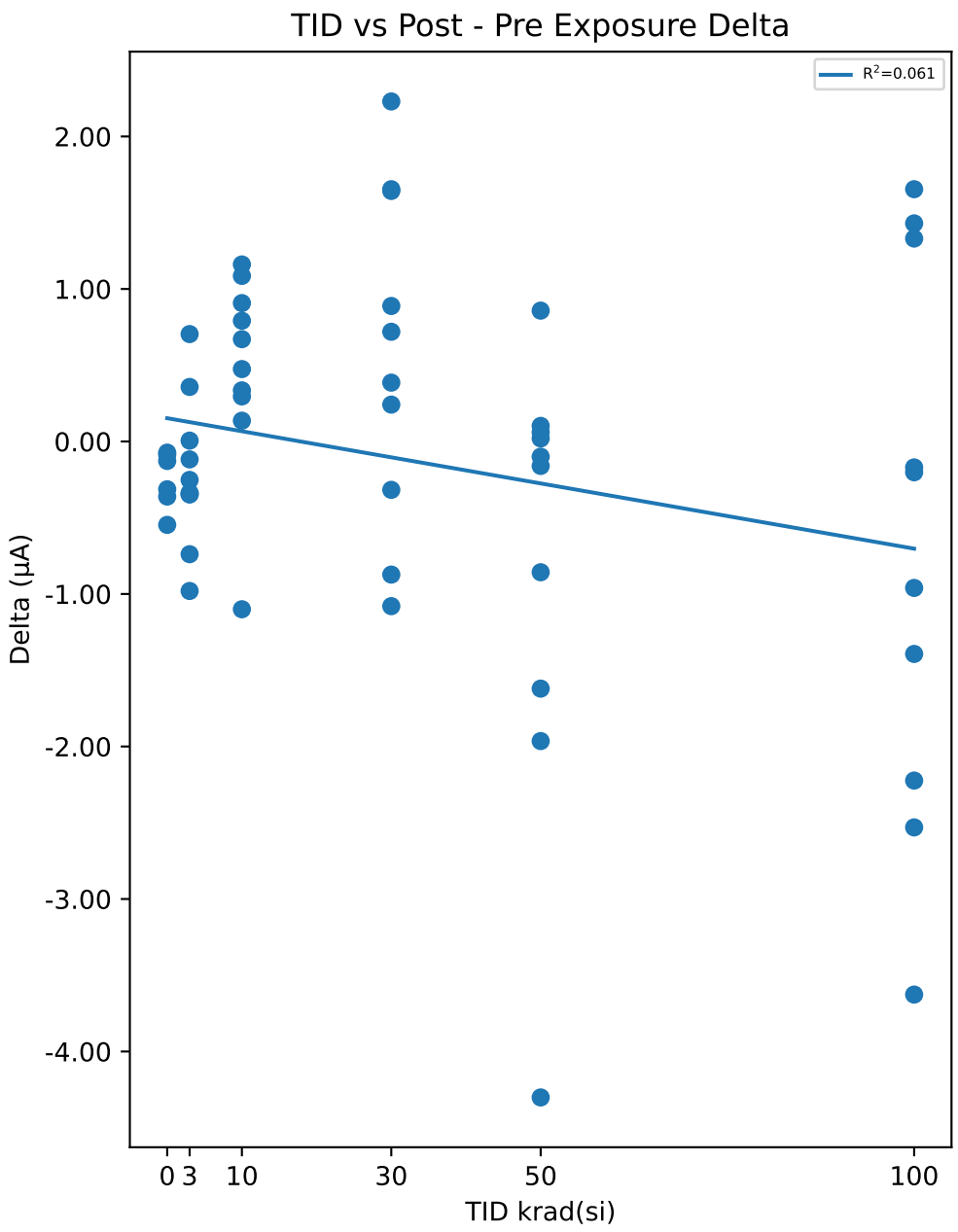
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	LDR Biased	1603	1614.6	11.64
2	3	LDR Biased	1633.7	1635.5	1.8076
3	3	LDR Biased	1586.4	1577.6	-8.7415
4	3	LDR Biased	1440.1	1441.1	0.9958
5	3	LDR Biased	1475.5	1463.7	-11.791
6	10	LDR Biased	1578.3	1606.5	28.178
7	10	LDR Biased	1556.8	1588.9	32.105
8	10	LDR Biased	1544.6	1578.3	33.688
9	10	LDR Biased	1596	1628	31.974
10	10	LDR Biased	1556.8	1578.7	21.878
11	30	LDR Biased	1430.3	1429.5	-0.8531
12	30	LDR Biased	1641.6	1665.1	23.412
13	30	LDR Biased	1631.2	1650.6	19.418
14	30	LDR Biased	1585.1	1617.3	32.203
15	30	LDR Biased	1536.3	1522.4	-13.892
16	50	LDR Biased	1527.3	1531.3	3.9661
17	50	LDR Biased	1586.4	1594.9	8.5279
18	50	LDR Biased	1618.9	1625.4	6.5873
19	50	LDR Biased	1632.1	1653.7	21.646
20	50	LDR Biased	1723.3	1735	11.682
21	100	LDR Biased	1492.1	1491.9	-0.2388
22	100	LDR Biased	1725.3	1714	-11.298
23	100	LDR Biased	1489.7	1475.3	-14.389
24	100	LDR Biased	1578.3	1587.2	8.914
25	100	LDR Biased	1660.4	1681	20.621
26	3	LDR Unbiased	1666.2	1661.5	-4.7113
27	3	LDR Unbiased	1476.4	1513	36.548
28	3	LDR Unbiased	1725.6	1736	10.41
29	3	LDR Unbiased	1630.1	1633	2.9193
30	3	LDR Unbiased	1542.9	1545.3	2.3805
31	10	LDR Unbiased	1644.8	1671.4	26.596
32	10	LDR Unbiased	1623.3	1648.5	25.186
33	10	LDR Unbiased	1729.9	1749.1	19.253
34	10	LDR Unbiased	1661.8	1684.3	22.581
35	10	LDR Unbiased	1473.3	1476.2	2.9102
36	30	LDR Unbiased	1698.9	1701.6	2.6536
37	30	LDR Unbiased	1551.9	1561.7	9.8594
38	30	LDR Unbiased	1645.1	1661.1	15.994
39	30	LDR Unbiased	1648.8	1654.3	5.5276
40	30	LDR Unbiased	1770.7	1790.6	19.853
41	50	LDR Unbiased	1562.4	1512.1	-50.312
42	50	LDR Unbiased	1688.7	1666.8	-21.903
43	50	LDR Unbiased	1564.7	1578	13.37
44	50	LDR Unbiased	1657.6	1639.9	-17.669
45	50	LDR Unbiased	1485.5	1494.8	9.2916
46	100	LDR Unbiased	1657.1	1636.8	-20.298
47	100	LDR Unbiased	1523	1555.3	32.318
48	100	LDR Unbiased	1527.5	1489.4	-38.1
49	100	LDR Unbiased	1619.5	1668.8	49.295
50	100	LDR Unbiased	1648.1	1646	-2.0939
60	0	Correlation	1716.8	1709.3	-7.4947
61	0	Correlation	1504.1	1499.7	-4.4571
62	0	Correlation	1626.9	1649.7	22.748
63	0	Correlation	1502.2	1506.6	4.3842
64	0	Correlation	1561.1	1553.5	-7.6541
65	0	Correlation	1510.9	1497	-13.879

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	1502.2	1570.3	1716.8	86.359	1497	1569.3	1709.3	89.789	-13.879	-1.0588	22.748	13.094
3	1440.1	1578	1725.6	92.577	1441.1	1582.1	1736	92.215	-11.791	4.1457	36.548	13.597
10	1473.3	1596.6	1729.9	71.862	1476.2	1621	1749.1	74.25	2.9102	24.435	33.688	8.9484
30	1430.3	1614	1770.7	93.971	1429.5	1625.4	1790.6	100.28	-13.892	11.418	32.203	13.487
50	1485.5	1604.7	1723.3	73.626	1494.8	1603.2	1735	75.814	-50.312	-1.4813	21.646	21.866
100	1489.7	1592.1	1725.3	81.745	1475.3	1594.6	1714	87.624	-38.1	2.473	49.295	26.078

Device Test: 18.3 _ERROR_AMP|STATIC/COMP/4.5////@EA_SOURCE





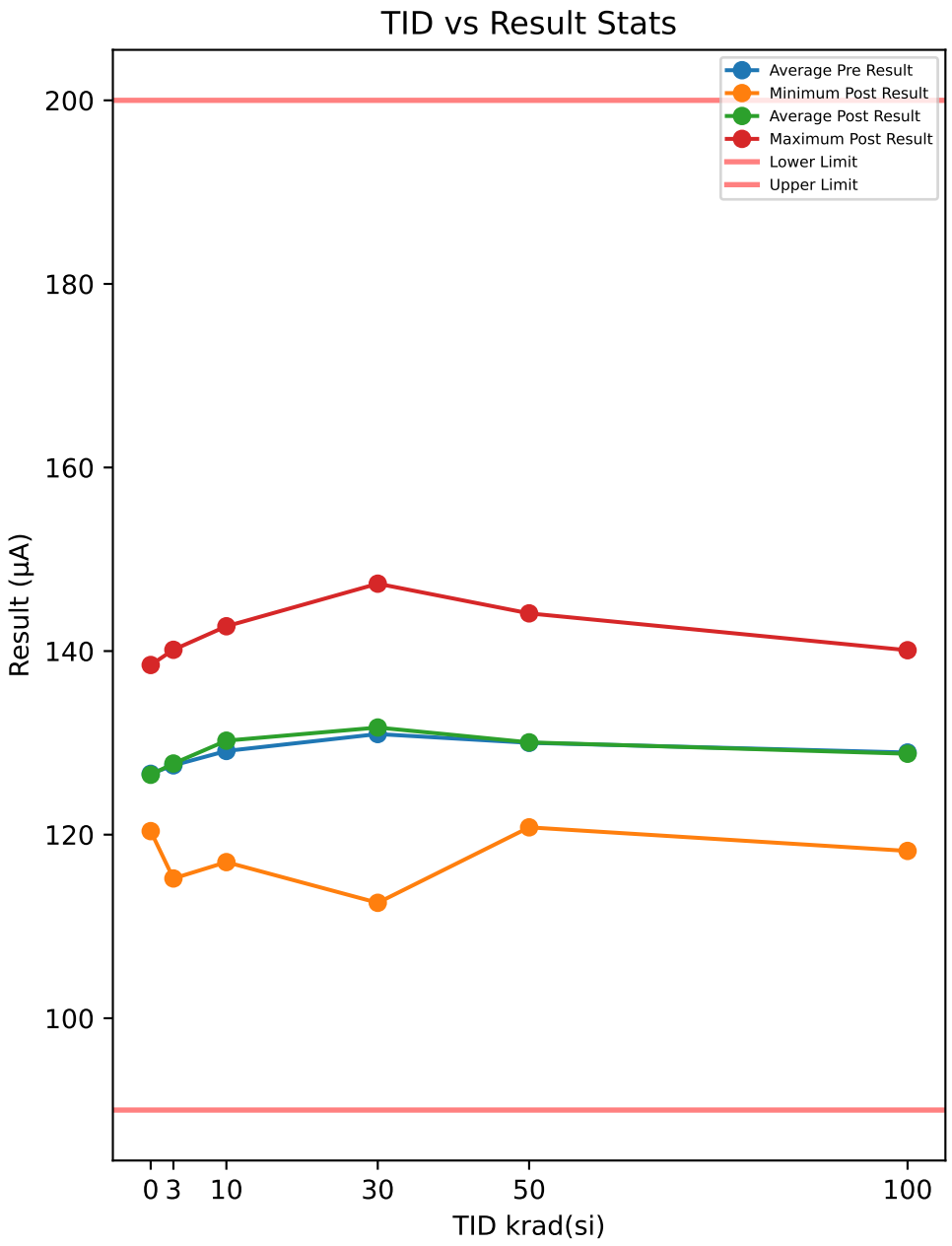
Test Results (Lower Limit = 90.0, Upper Limit = 200.0 (µA))

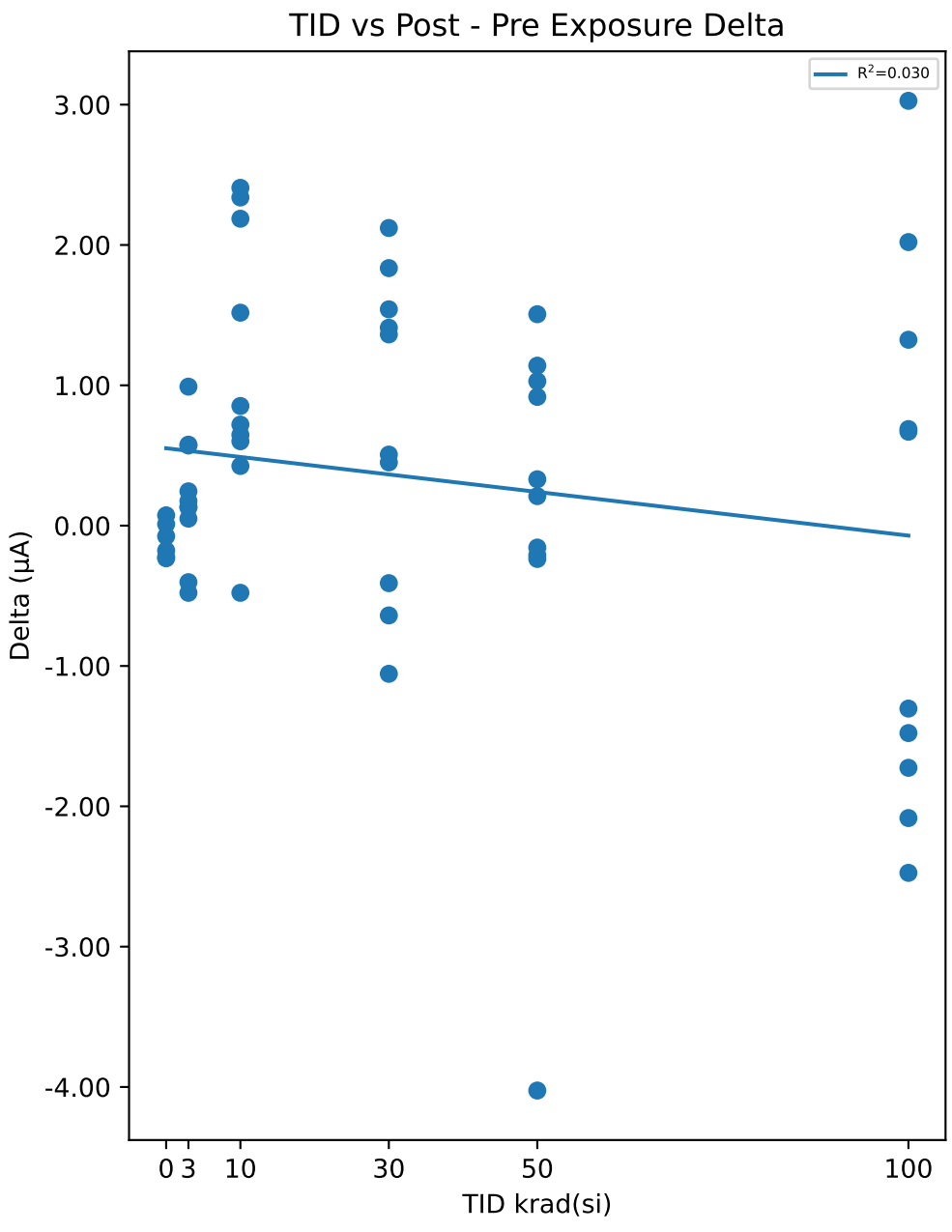
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	LDR Biased	130.55	130.2	-0.3476
2	3	LDR Biased	131.86	131.61	-0.252
3	3	LDR Biased	126.92	126.58	-0.3368
4	3	LDR Biased	114.07	114.08	0.0056
5	3	LDR Biased	118.24	117.5	-0.7391
6	10	LDR Biased	126.84	127.17	0.3352
7	10	LDR Biased	127.2	128.28	1.0859
8	10	LDR Biased	124.75	125.91	1.1608
9	10	LDR Biased	129.3	130.1	0.7917
10	10	LDR Biased	126.06	126.53	0.4748
11	30	LDR Biased	114.73	113.65	-1.0798
12	30	LDR Biased	132.32	133.97	1.6542
13	30	LDR Biased	130.88	133.11	2.2296
14	30	LDR Biased	127.65	129.29	1.6428
15	30	LDR Biased	122.64	121.77	-0.8729
16	50	LDR Biased	123.39	123.49	0.1021
17	50	LDR Biased	128.62	128.68	0.0605
18	50	LDR Biased	129.32	130.18	0.858
19	50	LDR Biased	132.43	131.57	-0.8576
20	50	LDR Biased	140.32	140.22	-0.0997
21	100	LDR Biased	120.13	118.73	-1.3931
22	100	LDR Biased	139.92	138.96	-0.9603
23	100	LDR Biased	118.61	116.39	-2.2234
24	100	LDR Biased	127.51	128.94	1.4301
25	100	LDR Biased	134.74	134.57	-0.1701
26	3	LDR Unbiased	133.99	134.69	0.7042
27	3	LDR Unbiased	120.11	120.47	0.3575
28	3	LDR Unbiased	139.01	138.89	-0.1175
29	3	LDR Unbiased	132.96	132.61	-0.3444
30	3	LDR Unbiased	124.87	123.89	-0.9803
31	10	LDR Unbiased	132.41	133.08	0.6708
32	10	LDR Unbiased	132.24	132.53	0.2954
33	10	LDR Unbiased	141.78	141.91	0.1363
34	10	LDR Unbiased	134.03	134.94	0.9074
35	10	LDR Unbiased	117.07	115.97	-1.1001
36	30	LDR Unbiased	137.03	137.27	0.2418
37	30	LDR Unbiased	125.53	125.91	0.3859
38	30	LDR Unbiased	132.72	133.61	0.8885
39	30	LDR Unbiased	134	134.72	0.7195
40	30	LDR Unbiased	145.19	144.88	-0.3172
41	50	LDR Unbiased	126.12	121.82	-4.3012
42	50	LDR Unbiased	135.08	133.46	-1.6205
43	50	LDR Unbiased	126.49	126.33	-0.1603
44	50	LDR Unbiased	134.86	132.9	-1.9644
45	50	LDR Unbiased	119.41	119.43	0.0201
46	100	LDR Unbiased	134.45	131.92	-2.5305
47	100	LDR Unbiased	123.33	124.66	1.3308
48	100	LDR Unbiased	121.08	117.45	-3.6268
49	100	LDR Unbiased	131.46	133.11	1.6542
50	100	LDR Unbiased	134.38	134.17	-0.2019
60	0	Correlation	138.59	138.5	-0.0868
61	0	Correlation	121.81	121.26	-0.5468
62	0	Correlation	131.25	131.13	-0.1278
63	0	Correlation	121.06	120.75	-0.3134
64	0	Correlation	125.32	125.25	-0.0732
65	0	Correlation	120.39	120.03	-0.3611

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	120.39	126.41	138.59	7.1972	120.03	126.15	138.5	7.3307	-0.5468	-0.25152	-0.0732	0.18829
3	114.07	127.26	139.01	7.8894	114.08	127.05	138.89	7.9826	-0.9803	-0.20504	0.7042	0.48771
10	117.07	129.17	141.78	6.5622	115.97	129.64	141.91	6.8118	-1.1001	0.47582	1.1608	0.6512
30	114.73	130.27	145.19	8.3143	113.65	130.82	144.88	8.697	-1.0798	0.54924	2.2296	1.1022
50	119.41	129.6	140.32	6.1999	119.43	128.81	140.22	6.2309	-4.3012	-0.7963	0.858	1.4969
100	118.61	128.56	139.92	7.4439	116.39	127.89	138.96	8.0744	-3.6268	-0.6691	1.6542	1.8107

Device Test: 18.4 _ERROR_AMP|STATIC/COMP/4.5////@EA_SINK





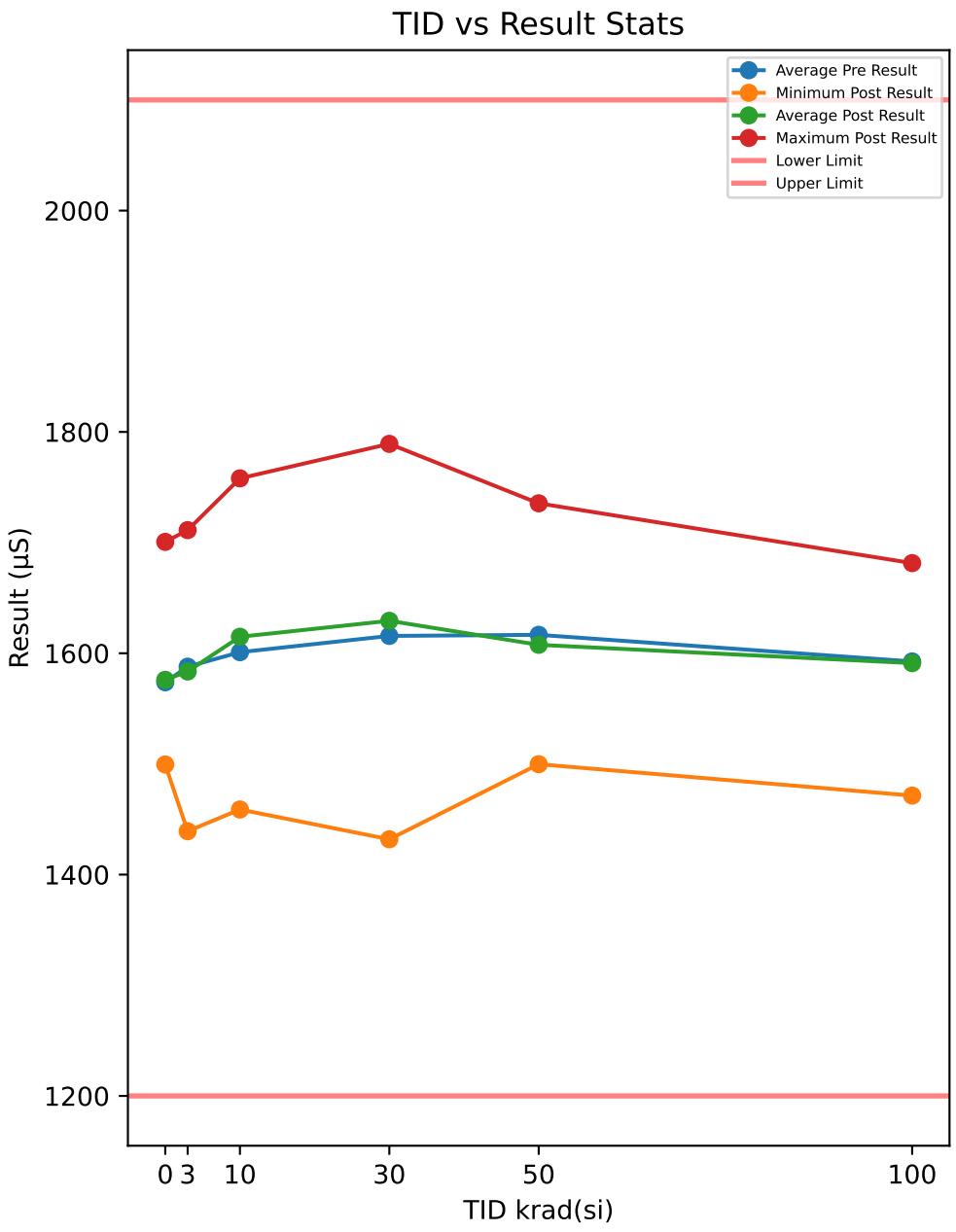
Test Results (Lower Limit = 90.0, Upper Limit = 200.0 (µA))

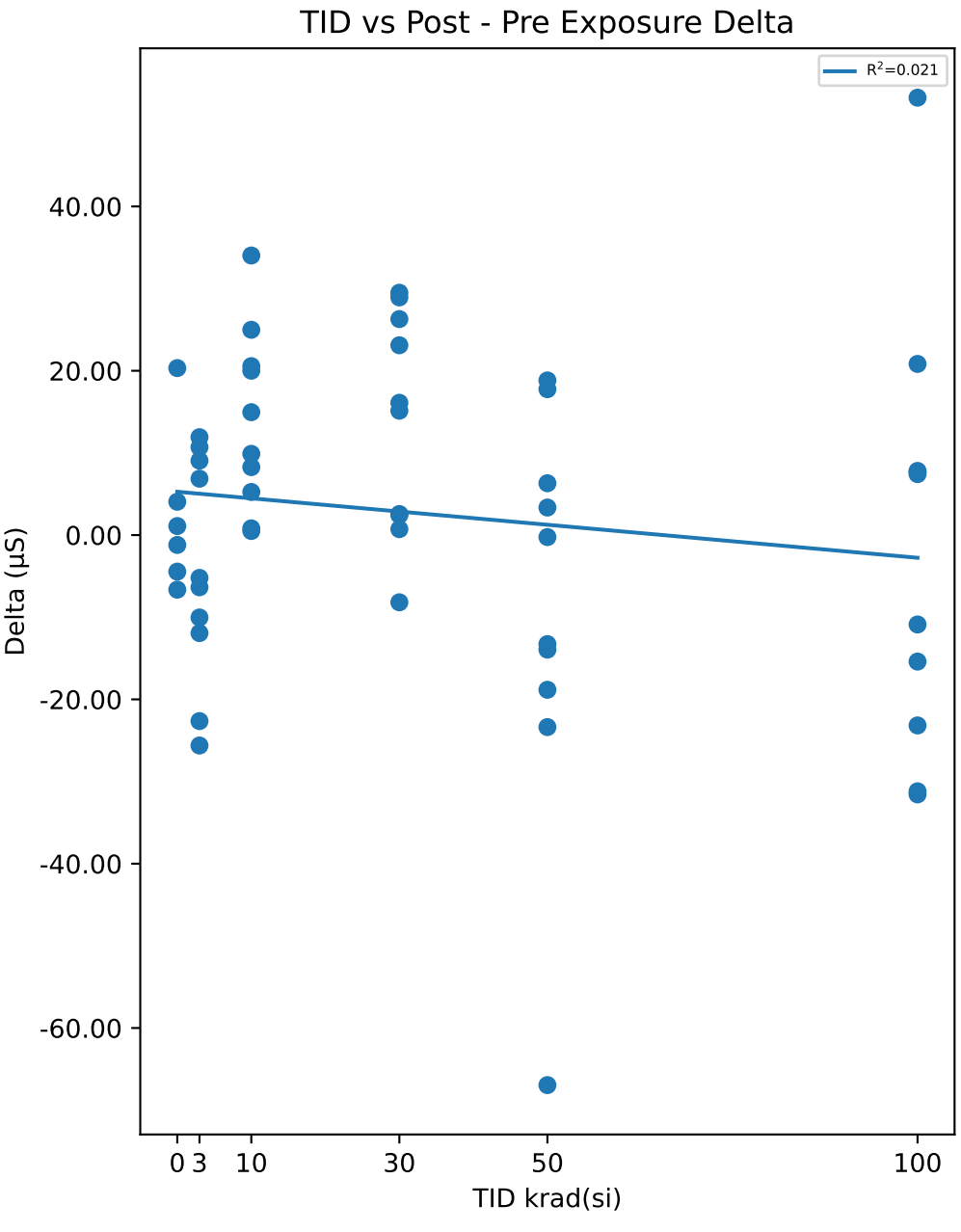
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	LDR Biased	129.12	130.11	0.9905
2	3	LDR Biased	132.21	132.45	0.2445
3	3	LDR Biased	127.21	127.39	0.1753
4	3	LDR Biased	115.63	115.23	-0.4028
5	3	LDR Biased	117.52	117.04	-0.4785
6	10	LDR Biased	127.2	127.62	0.4253
7	10	LDR Biased	125.84	127.35	1.5175
8	10	LDR Biased	124.99	127.4	2.4073
9	10	LDR Biased	129.04	129.68	0.6465
10	10	LDR Biased	125.48	126.2	0.72
11	30	LDR Biased	113.63	112.58	-1.0558
12	30	LDR Biased	131.43	133.26	1.8352
13	30	LDR Biased	133.05	135.17	2.1209
14	30	LDR Biased	130.15	131.51	1.3627
15	30	LDR Biased	123.84	123.2	-0.6398
16	50	LDR Biased	122.5	122.83	0.3305
17	50	LDR Biased	128.16	127.95	-0.2107
18	50	LDR Biased	131.52	132.44	0.9176
19	50	LDR Biased	133.63	134.66	1.0291
20	50	LDR Biased	142.6	144.11	1.5067
21	100	LDR Biased	119.95	118.23	-1.7256
22	100	LDR Biased	141.57	140.09	-1.478
23	100	LDR Biased	119.98	118.68	-1.3036
24	100	LDR Biased	128.07	130.09	2.0207
25	100	LDR Biased	134.39	135.06	0.6693
26	3	LDR Unbiased	135.53	136.11	0.5771
27	3	LDR Unbiased	119.38	119.95	0.5712
28	3	LDR Unbiased	140.01	140.14	0.1298
29	3	LDR Unbiased	131.82	131.95	0.1345
30	3	LDR Unbiased	127.09	127.14	0.05
31	10	LDR Unbiased	132.03	134.37	2.3386
32	10	LDR Unbiased	131.35	132.2	0.8528
33	10	LDR Unbiased	142.1	142.7	0.6015
34	10	LDR Unbiased	135.67	137.86	2.1871
35	10	LDR Unbiased	117.49	117.01	-0.4785
36	30	LDR Unbiased	136.83	138.24	1.4103
37	30	LDR Unbiased	125.42	125.92	0.5063
38	30	LDR Unbiased	134.7	135.15	0.4507
39	30	LDR Unbiased	134.77	134.36	-0.4098
40	30	LDR Unbiased	145.8	147.34	1.5416
41	50	LDR Unbiased	125.84	121.81	-4.0254
42	50	LDR Unbiased	135.81	135.66	-0.1562
43	50	LDR Unbiased	127.43	127.64	0.2104
44	50	LDR Unbiased	132.91	132.67	-0.2372
45	50	LDR Unbiased	119.66	120.8	1.1401
46	100	LDR Unbiased	132.99	130.51	-2.4741
47	100	LDR Unbiased	125.13	125.82	0.6882
48	100	LDR Unbiased	121.05	118.96	-2.0836
49	100	LDR Unbiased	132.8	135.83	3.0273
50	100	LDR Unbiased	133.55	134.87	1.3247
60	0	Correlation	138.56	138.48	-0.0753
61	0	Correlation	121.14	121.15	0.0109
62	0	Correlation	132.21	131.98	-0.2244
63	0	Correlation	120.56	120.38	-0.1774
64	0	Correlation	126.15	125.92	-0.2325
65	0	Correlation	121.15	121.23	0.0735

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	120.56	126.63	138.56	7.3561	120.38	126.52	138.48	7.3184	-0.2325	-0.1042	0.0735	0.12801
3	115.63	127.55	140.01	7.9664	115.23	127.75	140.14	8.1758	-0.4785	0.19916	0.9905	0.44258
10	117.49	129.12	142.1	6.7081	117.01	130.24	142.7	7.0652	-0.4785	1.1218	2.4073	0.95458
30	113.63	130.96	145.8	8.6289	112.58	131.67	147.34	9.3825	-1.0558	0.71223	2.1209	1.1139
50	119.66	130	142.6	6.7253	120.8	130.06	144.11	7.2929	-4.0254	0.05049	1.5067	1.5609
100	119.95	128.95	141.57	7.3052	118.23	128.81	140.09	8.0097	-2.4741	-0.13347	3.0273	1.9169

Device Test: 18.7 _EA|STATIC/COMP/5////@EA_GM





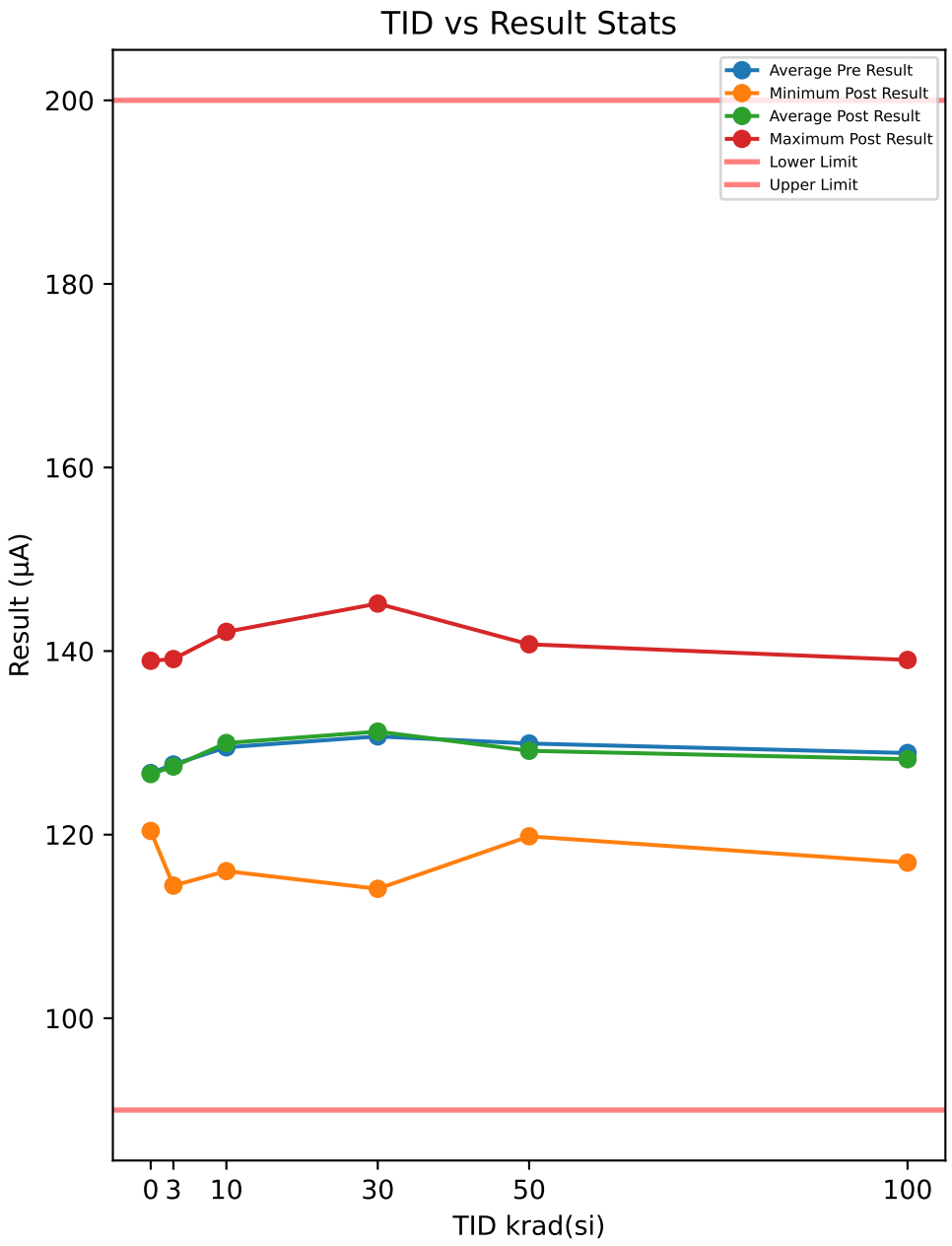
Test Results (Lower Limit = 1200.0, Upper Limit = 2100.0 (µS))

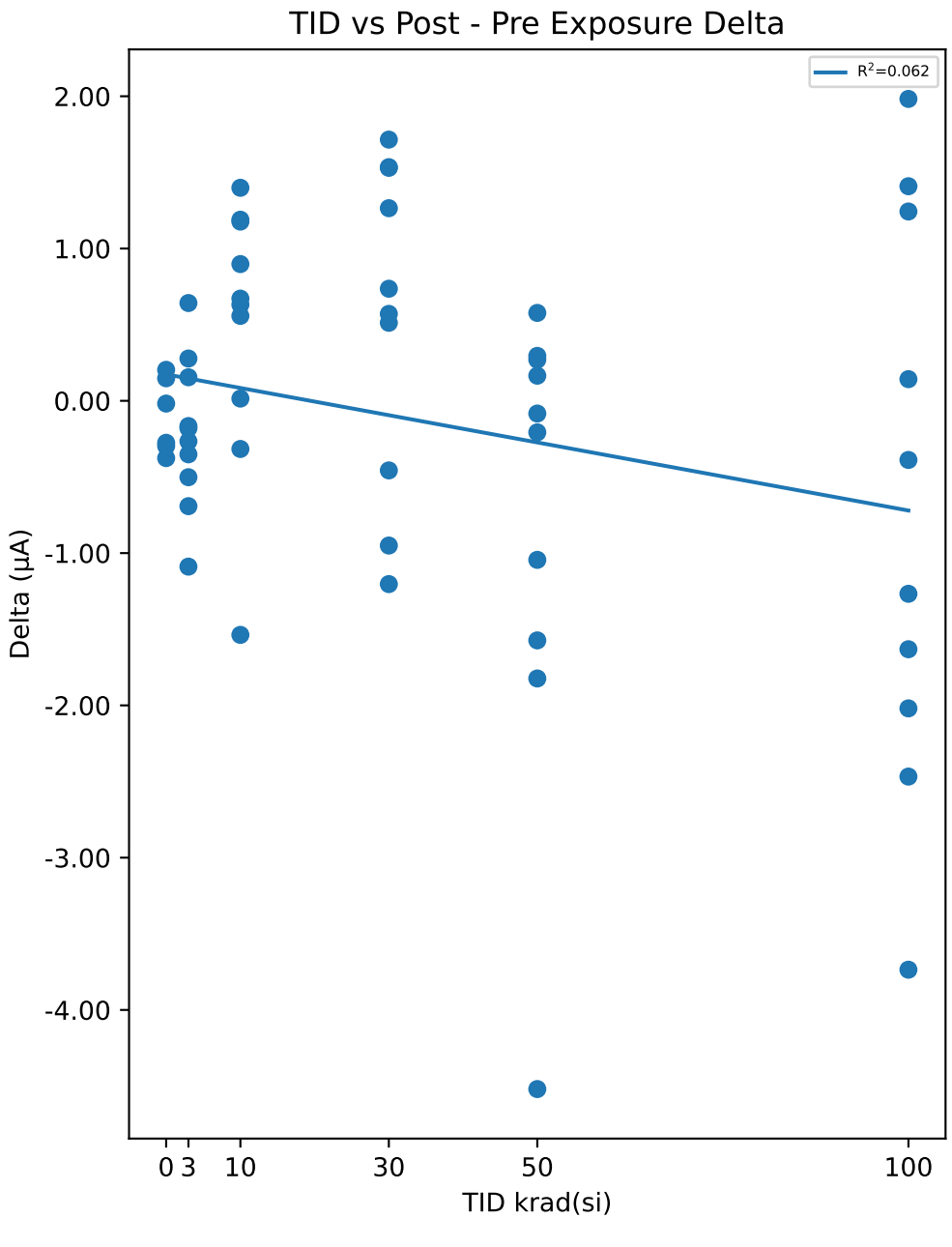
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	LDR Biased	1619.7	1597.1	-22.643
2	3	LDR Biased	1633.9	1643	9.0565
3	3	LDR Biased	1590	1596.9	6.8632
4	3	LDR Biased	1451.1	1439.2	-11.932
5	3	LDR Biased	1481.2	1474.9	-6.3545
6	10	LDR Biased	1581.5	1615.5	34.028
7	10	LDR Biased	1585.7	1586.6	0.8173
8	10	LDR Biased	1547.6	1572.6	24.986
9	10	LDR Biased	1601.9	1610.2	8.2714
10	10	LDR Biased	1559.1	1574	14.957
11	30	LDR Biased	1429.5	1431.9	2.4462
12	30	LDR Biased	1638	1666.9	28.928
13	30	LDR Biased	1627.1	1656.6	29.499
14	30	LDR Biased	1599.8	1622.9	23.103
15	30	LDR Biased	1534.7	1526.5	-8.1829
16	50	LDR Biased	1526.4	1545.2	18.823
17	50	LDR Biased	1620.9	1597.5	-23.374
18	50	LDR Biased	1623.6	1641.3	17.757
19	50	LDR Biased	1660.6	1664	3.3517
20	50	LDR Biased	1749.4	1735.5	-13.944
21	100	LDR Biased	1502.6	1471.4	-31.192
22	100	LDR Biased	1713	1681.5	-31.564
23	100	LDR Biased	1492.1	1476.7	-15.399
24	100	LDR Biased	1594.7	1602.5	7.8069
25	100	LDR Biased	1650.8	1658.3	7.4161
26	3	LDR Unbiased	1671.9	1683.9	11.914
27	3	LDR Unbiased	1497.6	1508.3	10.697
28	3	LDR Unbiased	1721.3	1711.3	-10.034
29	3	LDR Unbiased	1634.3	1629.1	-5.2134
30	3	LDR Unbiased	1577.5	1551.8	-25.614
31	10	LDR Unbiased	1646.7	1666.7	20.007
32	10	LDR Unbiased	1607.4	1617.3	9.8855
33	10	LDR Unbiased	1752.8	1758	5.2439
34	10	LDR Unbiased	1668.9	1689.4	20.561
35	10	LDR Unbiased	1458.3	1458.8	0.4946
36	30	LDR Unbiased	1692.8	1693.6	0.7178
37	30	LDR Unbiased	1549	1575.3	26.29
38	30	LDR Unbiased	1649	1664.1	15.138
39	30	LDR Unbiased	1663.7	1666.2	2.5611
40	30	LDR Unbiased	1773.1	1789.2	16.102
41	50	LDR Unbiased	1584.9	1517.9	-66.95
42	50	LDR Unbiased	1677.9	1659.1	-18.833
43	50	LDR Unbiased	1574.1	1573.8	-0.2436
44	50	LDR Unbiased	1655.5	1642.2	-13.271
45	50	LDR Unbiased	1493.5	1499.8	6.3081
46	100	LDR Unbiased	1653.9	1630.7	-23.172
47	100	LDR Unbiased	1562	1569.6	7.6867
48	100	LDR Unbiased	1503.2	1492.3	-10.883
49	100	LDR Unbiased	1621.8	1675	53.238
50	100	LDR Unbiased	1632.1	1652.9	20.831
60	0	Correlation	1707.3	1700.7	-6.6457
61	0	Correlation	1514.6	1513.4	-1.2022
62	0	Correlation	1639.6	1640.7	1.0983
63	0	Correlation	1503.9	1499.5	-4.4492
64	0	Correlation	1561.8	1582.1	20.324
65	0	Correlation	1515.6	1519.6	4.0564

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	1503.9	1573.8	1707.3	82.559	1499.5	1576	1700.7	80.894	-6.6457	2.1969	20.324	9.666
3	1451.1	1587.9	1721.3	87.238	1439.2	1583.5	1711.3	89.227	-25.614	-4.326	11.914	13.654
10	1458.3	1601	1752.8	78.43	1458.8	1614.9	1758	79.85	0.4946	13.925	34.028	10.977
30	1429.5	1615.7	1773.1	94.699	1431.9	1629.3	1789.2	98.276	-8.1829	13.66	29.499	13.476
50	1493.5	1616.7	1749.4	75.313	1499.8	1607.6	1735.5	74.036	-66.95	-9.0375	18.823	25.073
100	1492.1	1592.6	1713	75.422	1471.4	1591.1	1681.5	83.581	-31.564	-1.5232	53.238	26.419

Device Test: 18.8 _ERROR_AMP|STATIC/COMP/5////@EA_SOURCE





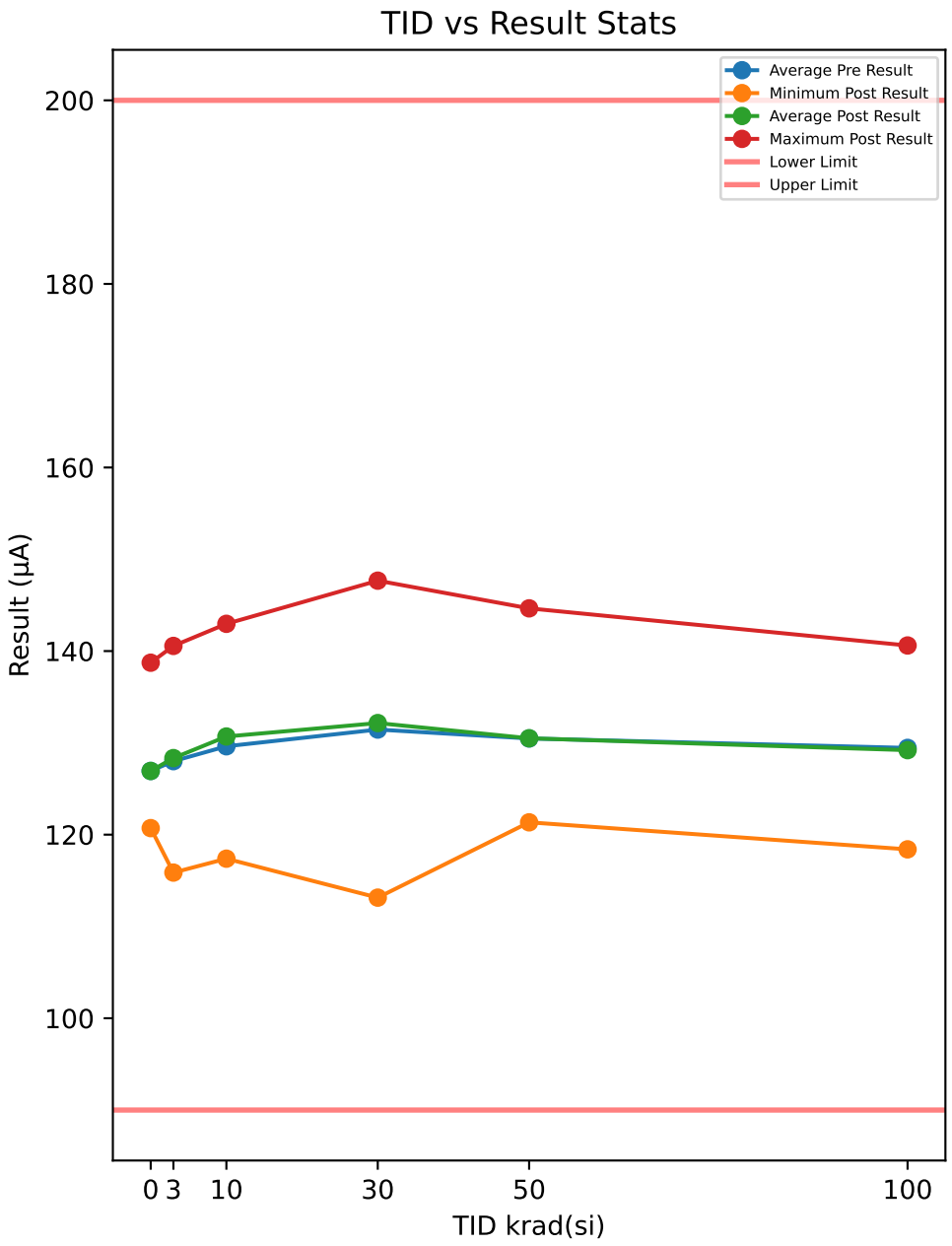
Test Results (Lower Limit = 90.0, Upper Limit = 200.0 (µA))

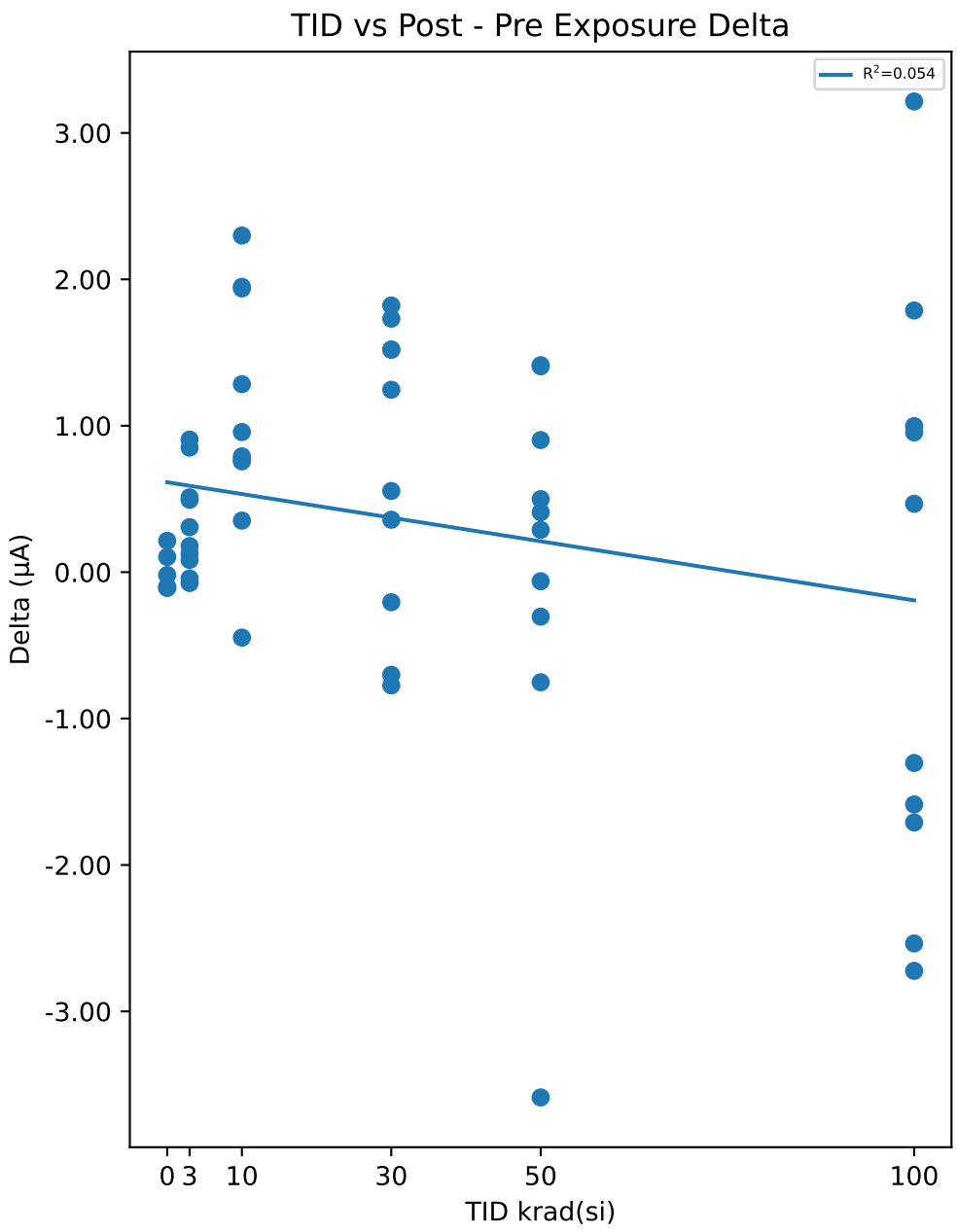
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	LDR Biased	130.66	130.94	0.2777
2	3	LDR Biased	132.24	131.74	-0.5017
3	3	LDR Biased	127.37	127.19	-0.1799
4	3	LDR Biased	114.62	114.45	-0.1657
5	3	LDR Biased	118.49	117.8	-0.6918
6	10	LDR Biased	126.93	127.83	0.8979
7	10	LDR Biased	127.51	128.91	1.3989
8	10	LDR Biased	125.09	126.27	1.1769
9	10	LDR Biased	129.63	130.19	0.5577
10	10	LDR Biased	126.23	126.86	0.6313
11	30	LDR Biased	115.3	114.1	-1.2036
12	30	LDR Biased	132.74	134.27	1.5301
13	30	LDR Biased	131.71	133.42	1.7153
14	30	LDR Biased	128.07	129.6	1.5344
15	30	LDR Biased	122.9	121.95	-0.9504
16	50	LDR Biased	123.67	123.83	0.165
17	50	LDR Biased	128.74	129.04	0.295
18	50	LDR Biased	129.73	130.3	0.5772
19	50	LDR Biased	132.97	131.93	-1.0445
20	50	LDR Biased	140.82	140.74	-0.0836
21	100	LDR Biased	120.63	119.36	-1.2673
22	100	LDR Biased	140.67	139.04	-1.6314
23	100	LDR Biased	118.97	116.95	-2.0197
24	100	LDR Biased	127.93	129.17	1.2432
25	100	LDR Biased	135.11	134.72	-0.3884
26	3	LDR Unbiased	134.31	134.96	0.6421
27	3	LDR Unbiased	120.42	120.58	0.1547
28	3	LDR Unbiased	139.48	139.13	-0.3513
29	3	LDR Unbiased	133.33	133.06	-0.2658
30	3	LDR Unbiased	125.5	124.41	-1.0889
31	10	LDR Unbiased	132.66	133.33	0.6711
32	10	LDR Unbiased	132.68	132.69	0.0147
33	10	LDR Unbiased	142.42	142.1	-0.3162
34	10	LDR Unbiased	134.45	135.64	1.1893
35	10	LDR Unbiased	117.57	116.03	-1.5371
36	30	LDR Unbiased	137.2	137.77	0.5709
37	30	LDR Unbiased	125.98	126.49	0.5123
38	30	LDR Unbiased	133.07	134.33	1.2649
39	30	LDR Unbiased	134.42	135.16	0.7361
40	30	LDR Unbiased	145.63	145.17	-0.457
41	50	LDR Unbiased	126.46	121.94	-4.5196
42	50	LDR Unbiased	135.39	133.82	-1.5733
43	50	LDR Unbiased	126.74	126.54	-0.207
44	50	LDR Unbiased	135.24	133.41	-1.8234
45	50	LDR Unbiased	119.55	119.82	0.2702
46	100	LDR Unbiased	134.75	132.28	-2.4676
47	100	LDR Unbiased	123.45	124.86	1.4091
48	100	LDR Unbiased	121.39	117.65	-3.7358
49	100	LDR Unbiased	131.52	133.5	1.9825
50	100	LDR Unbiased	134.52	134.66	0.1423
60	0	Correlation	138.79	138.94	0.148
61	0	Correlation	121.81	122.01	0.2034
62	0	Correlation	131.49	131.47	-0.0181
63	0	Correlation	121.48	121.19	-0.2971
64	0	Correlation	125.89	125.61	-0.2757
65	0	Correlation	120.78	120.41	-0.3762

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	120.78	126.71	138.79	7.1553	120.41	126.6	138.94	7.2901	-0.3762	-0.10262	0.2034	0.24748
3	114.62	127.64	139.48	7.871	114.45	127.42	139.13	7.9834	-1.0889	-0.21706	0.6421	0.49577
10	117.57	129.52	142.42	6.6213	116.03	129.98	142.1	6.8435	-1.5371	0.46845	1.3989	0.88135
30	115.3	130.7	145.63	8.279	114.1	131.23	145.17	8.6982	-1.2036	0.5253	1.7153	1.063
50	119.55	129.93	140.82	6.2936	119.82	129.14	140.74	6.3019	-4.5196	-0.7944	0.5772	1.5484
100	118.97	128.89	140.67	7.4817	116.95	128.22	139.04	7.9895	-3.7358	-0.67331	1.9825	1.8706

Device Test: 18.9 _ERROR_AMP|STATIC/COMP/5////@EA_SINK





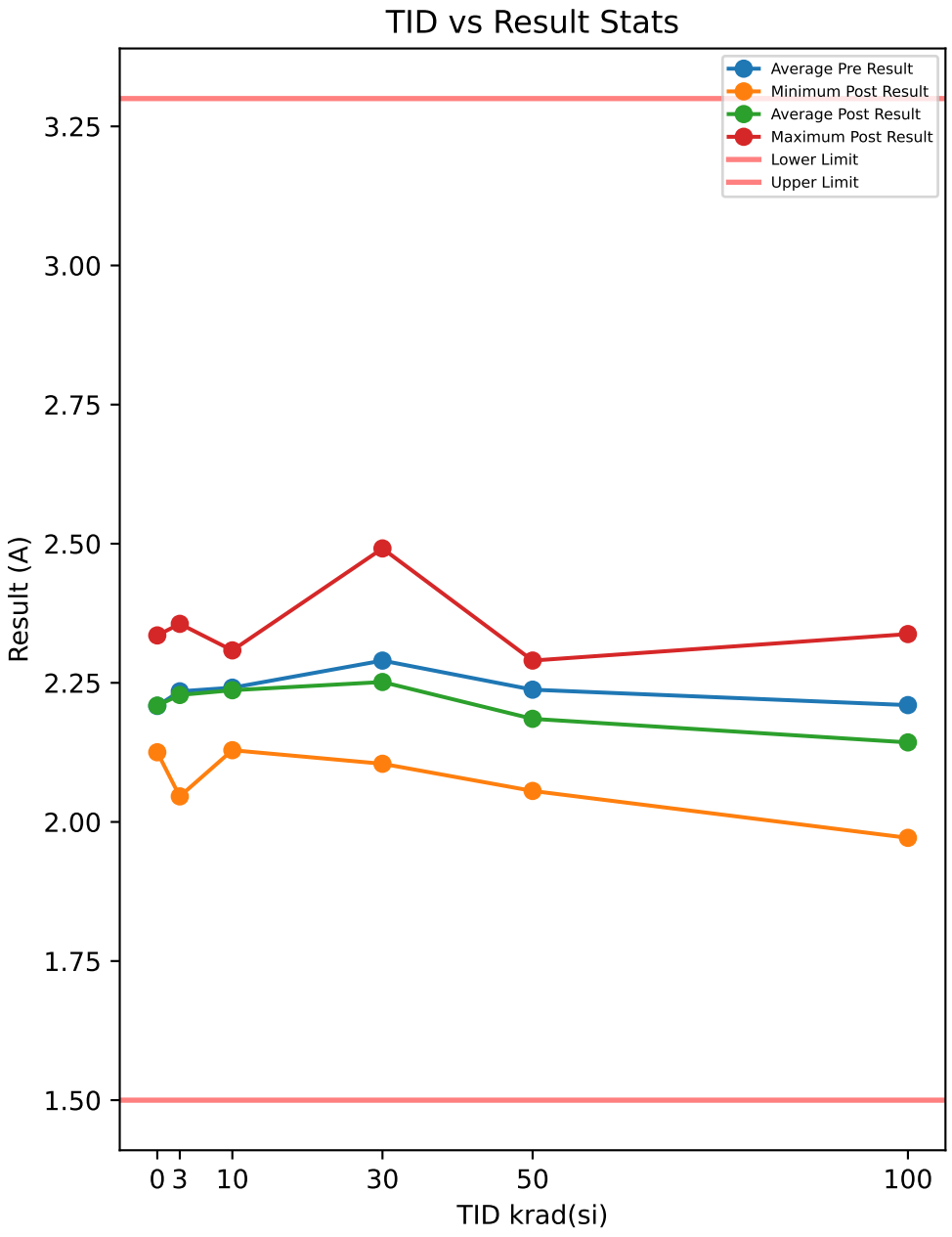
Test Results (Lower Limit = 90.0, Upper Limit = 200.0 (µA))

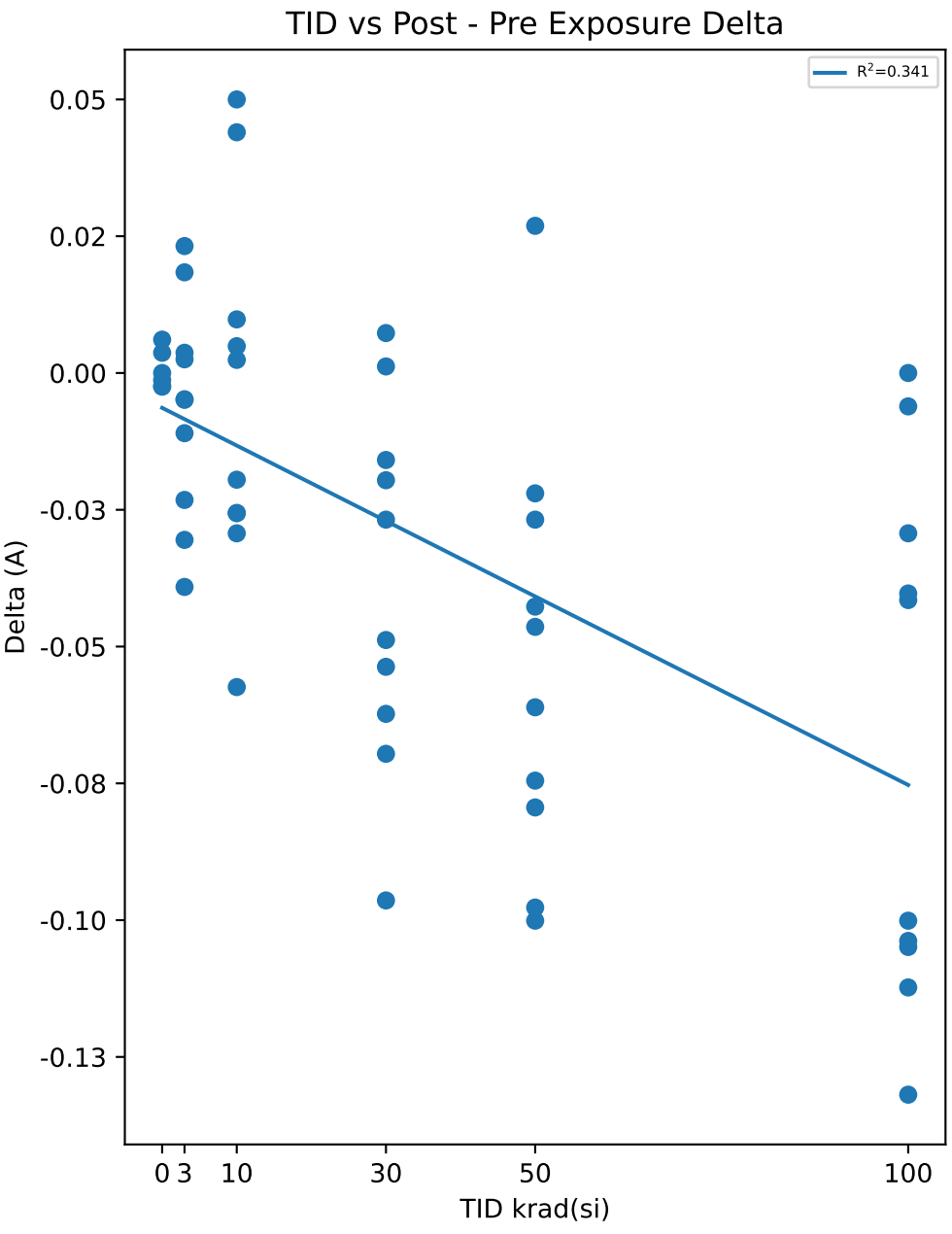
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	LDR Biased	129.75	130.61	0.8507
2	3	LDR Biased	132.71	133.22	0.5108
3	3	LDR Biased	127.52	127.65	0.1288
4	3	LDR Biased	115.91	115.87	-0.043
5	3	LDR Biased	117.72	117.9	0.1783
6	10	LDR Biased	127.4	128.35	0.957
7	10	LDR Biased	126.35	127.64	1.2838
8	10	LDR Biased	125.76	128.06	2.299
9	10	LDR Biased	129.61	130.37	0.7567
10	10	LDR Biased	125.87	126.64	0.7674
11	30	LDR Biased	113.91	113.14	-0.7735
12	30	LDR Biased	132.08	133.9	1.8212
13	30	LDR Biased	133.8	135.53	1.7315
14	30	LDR Biased	130.32	131.84	1.5196
15	30	LDR Biased	124.48	123.78	-0.7008
16	50	LDR Biased	123	123.41	0.4091
17	50	LDR Biased	128.57	128.26	-0.304
18	50	LDR Biased	131.91	132.81	0.9023
19	50	LDR Biased	134.45	134.95	0.4987
20	50	LDR Biased	143.24	144.65	1.4137
21	100	LDR Biased	120.11	118.4	-1.7098
22	100	LDR Biased	142.2	140.61	-1.5866
23	100	LDR Biased	120.2	118.9	-1.3033
24	100	LDR Biased	128.72	130.51	1.7871
25	100	LDR Biased	134.94	135.4	0.4669
26	3	LDR Unbiased	135.81	136.72	0.9056
27	3	LDR Unbiased	120.08	120.57	0.494
28	3	LDR Unbiased	140.48	140.56	0.0835
29	3	LDR Unbiased	132.35	132.65	0.3072
30	3	LDR Unbiased	127.74	127.67	-0.0741
31	10	LDR Unbiased	132.71	134.65	1.9487
32	10	LDR Unbiased	131.78	132.57	0.7909
33	10	LDR Unbiased	142.62	142.97	0.3521
34	10	LDR Unbiased	136.36	138.3	1.9379
35	10	LDR Unbiased	117.83	117.38	-0.4468
36	30	LDR Unbiased	137.04	138.56	1.5203
37	30	LDR Unbiased	125.88	126.44	0.5544
38	30	LDR Unbiased	135.3	135.65	0.3582
39	30	LDR Unbiased	135.26	135.06	-0.2052
40	30	LDR Unbiased	146.43	147.67	1.2459
41	50	LDR Unbiased	126.01	122.42	-3.5877
42	50	LDR Unbiased	136.23	136.17	-0.062
43	50	LDR Unbiased	127.76	128.05	0.2889
44	50	LDR Unbiased	133.69	132.94	-0.7521
45	50	LDR Unbiased	119.94	121.34	1.406
46	100	LDR Unbiased	133.7	130.98	-2.7232
47	100	LDR Unbiased	125.56	126.51	0.9545
48	100	LDR Unbiased	121.75	119.21	-2.536
49	100	LDR Unbiased	132.94	136.15	3.215
50	100	LDR Unbiased	134.39	135.39	0.9975
60	0	Correlation	138.84	138.73	-0.1062
61	0	Correlation	121.31	121.52	0.2143
62	0	Correlation	132.66	132.56	-0.0988
63	0	Correlation	120.61	120.71	0.104
64	0	Correlation	126.46	126.35	-0.1071
65	0	Correlation	121.76	121.74	-0.0196

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	120.61	126.94	138.84	7.3905	120.71	126.94	138.73	7.2953	-0.1071	-0.0022333	0.2143	0.13387
3	115.91	128.01	140.48	7.9981	115.87	128.34	140.56	8.1166	-0.0741	0.33418	0.9056	0.34786
10	117.83	129.63	142.62	6.7668	117.38	130.69	142.97	7.0174	-0.4468	1.0647	2.299	0.8285
30	113.91	131.45	146.43	8.6874	113.14	132.16	147.67	9.3186	-0.7735	0.70716	1.8212	1.003
50	119.94	130.48	143.24	6.8497	121.34	130.5	144.65	7.2577	-3.5877	0.02129	1.4137	1.446
100	120.11	129.45	142.2	7.4163	118.4	129.21	140.61	8.0964	-2.7232	-0.24379	3.215	2.0013

Device Test: 19.11 _LEVEL|SINK/SW/14////@LOWSIDE_CURR_LIM_SINKING_25C





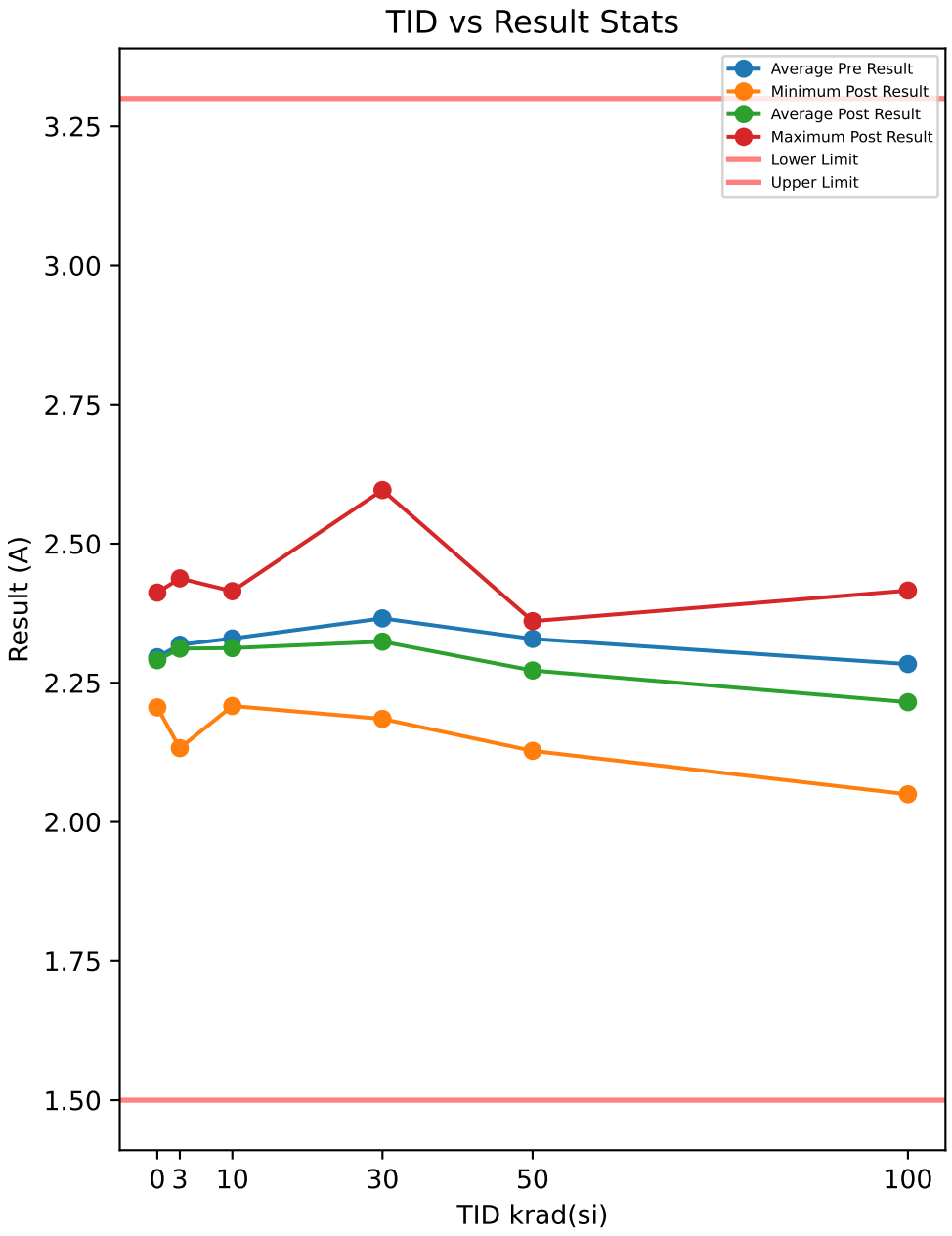
Test Results (Lower Limit = 1.5, Upper Limit = 3.3 (A))

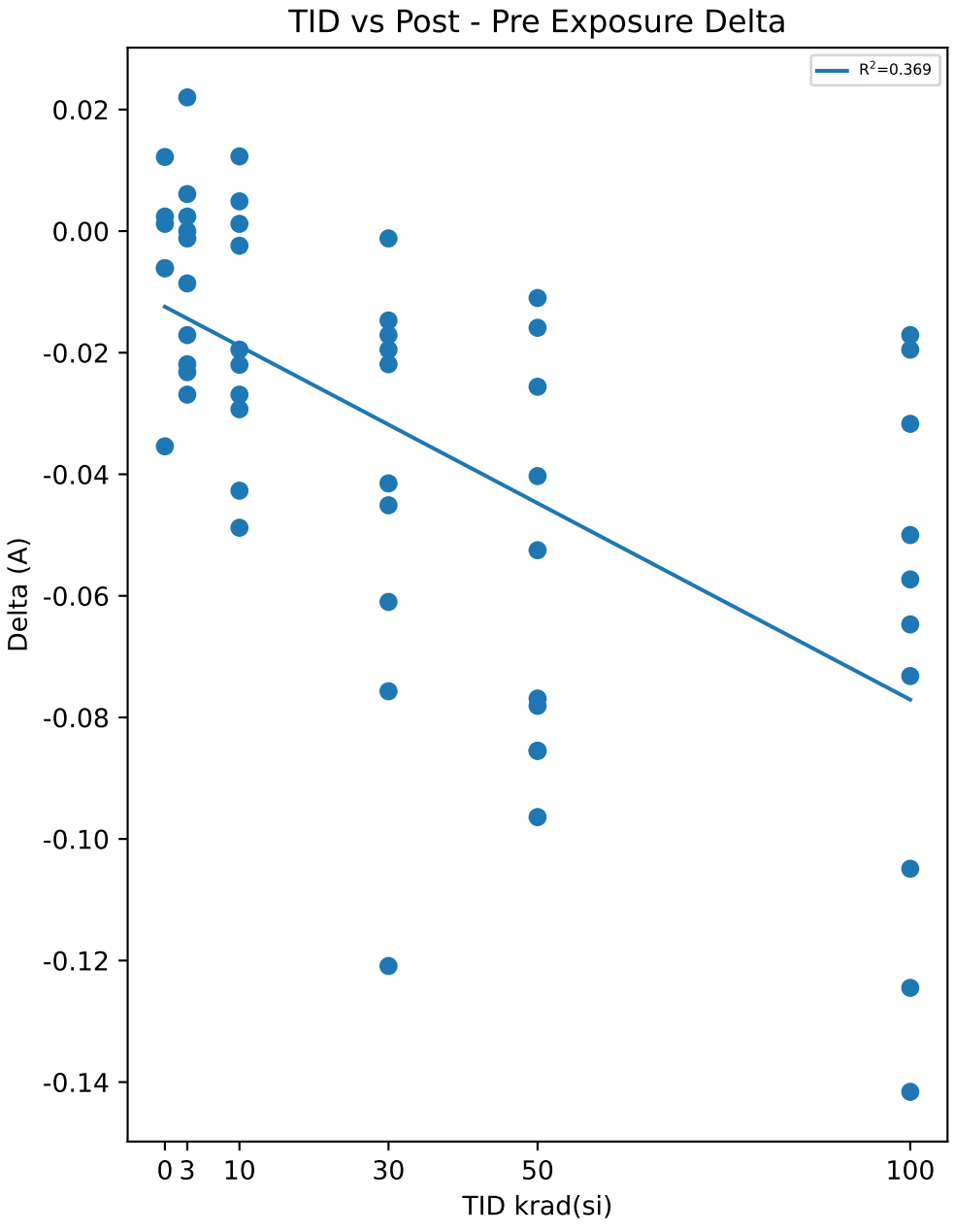
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	LDR Biased	2.0764	2.0459	-0.0305
2	3	LDR Biased	2.2595	2.262	0.0025
3	3	LDR Biased	2.3499	2.3108	-0.0391
4	3	LDR Biased	2.1936	2.1826	-0.011
5	3	LDR Biased	2.1802	2.1753	-0.0049
6	10	LDR Biased	2.1948	2.2046	0.0098
7	10	LDR Biased	2.2278	2.2327	0.0049
8	10	LDR Biased	2.1545	2.1289	-0.0256
9	10	LDR Biased	2.1826	2.1533	-0.0293
10	10	LDR Biased	2.2278	2.2083	-0.0195
11	30	LDR Biased	2.229	2.1326	-0.0964
12	30	LDR Biased	2.3389	2.2852	-0.0537
13	30	LDR Biased	2.4036	2.3413	-0.0623
14	30	LDR Biased	2.2595	2.2107	-0.0488
15	30	LDR Biased	2.3059	2.2363	-0.0696
16	50	LDR Biased	2.1802	2.1057	-0.0745
17	50	LDR Biased	2.179	2.0813	-0.0977
18	50	LDR Biased	2.3401	2.2607	-0.0794
19	50	LDR Biased	2.3059	2.2058	-0.1001
20	50	LDR Biased	2.3511	2.29	-0.0611
21	100	LDR Biased	2.1033	1.9714	-0.1319
22	100	LDR Biased	2.1545	2.0544	-0.1001
23	100	LDR Biased	2.1545	2.0496	-0.1049
24	100	LDR Biased	2.1021	1.9983	-0.1038
25	100	LDR Biased	2.3401	2.2278	-0.1123
26	3	LDR Unbiased	2.3376	2.356	0.0184
27	3	LDR Unbiased	2.1545	2.1497	-0.0048
28	3	LDR Unbiased	2.2607	2.2839	0.0232
29	3	LDR Unbiased	2.229	2.2327	0.0037
30	3	LDR Unbiased	2.3059	2.2827	-0.0232
31	10	LDR Unbiased	2.2607	2.2351	-0.0256
32	10	LDR Unbiased	2.3401	2.2827	-0.0574
33	10	LDR Unbiased	2.2607	2.3047	0.044
34	10	LDR Unbiased	2.3059	2.3083	0.0024
35	10	LDR Unbiased	2.2583	2.3083	0.05
36	30	LDR Unbiased	2.1558	2.1362	-0.0196
37	30	LDR Unbiased	2.262	2.2632	0.0012
38	30	LDR Unbiased	2.1204	2.1045	-0.0159
39	30	LDR Unbiased	2.3059	2.3132	0.0073
40	30	LDR Unbiased	2.5183	2.4915	-0.0268
41	50	LDR Unbiased	2.1021	2.0557	-0.0464
42	50	LDR Unbiased	2.1533	2.1802	0.0269
43	50	LDR Unbiased	2.2766	2.2339	-0.0427
44	50	LDR Unbiased	2.2595	2.2327	-0.0268
45	50	LDR Unbiased	2.229	2.207	-0.022
46	100	LDR Unbiased	2.2607	2.2546	-0.0061
47	100	LDR Unbiased	2.1924	2.1509	-0.0415
48	100	LDR Unbiased	2.1924	2.1521	-0.0403
49	100	LDR Unbiased	2.262	2.2327	-0.0293
50	100	LDR Unbiased	2.3376	2.3376	0
60	0	Correlation	2.229	2.2327	0.0037
61	0	Correlation	2.3376	2.3352	-0.0024
62	0	Correlation	2.229	2.229	0
63	0	Correlation	2.1802	2.1777	-0.0025
64	0	Correlation	2.1191	2.1252	0.0061
65	0	Correlation	2.1558	2.1545	-0.0013

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	2.1191	2.2085	2.3376	0.07626	2.1252	2.209	2.3352	0.074646	-0.0025	0.0006	0.0061	0.0035338
3	2.0764	2.2347	2.3499	0.085896	2.0459	2.2282	2.356	0.091083	-0.0391	-0.00657	0.0232	0.020084
10	2.1545	2.2413	2.3401	0.056256	2.1289	2.2367	2.3083	0.064485	-0.0574	-0.00463	0.05	0.033651
30	2.1204	2.2899	2.5183	0.11553	2.1045	2.2515	2.4915	0.11628	-0.0964	-0.03846	0.0073	0.033169
50	2.1021	2.2377	2.3511	0.083215	2.0557	2.1853	2.29	0.078967	-0.1001	-0.05238	0.0269	0.0389
100	2.1021	2.21	2.3401	0.087108	1.9714	2.1429	2.3376	0.12141	-0.1319	-0.06702	0	0.048457

Device Test: 19.2 _LEVEL|SINK/SW/4.5////@LOWSIDE_CURR_LIM_SINKING_25C





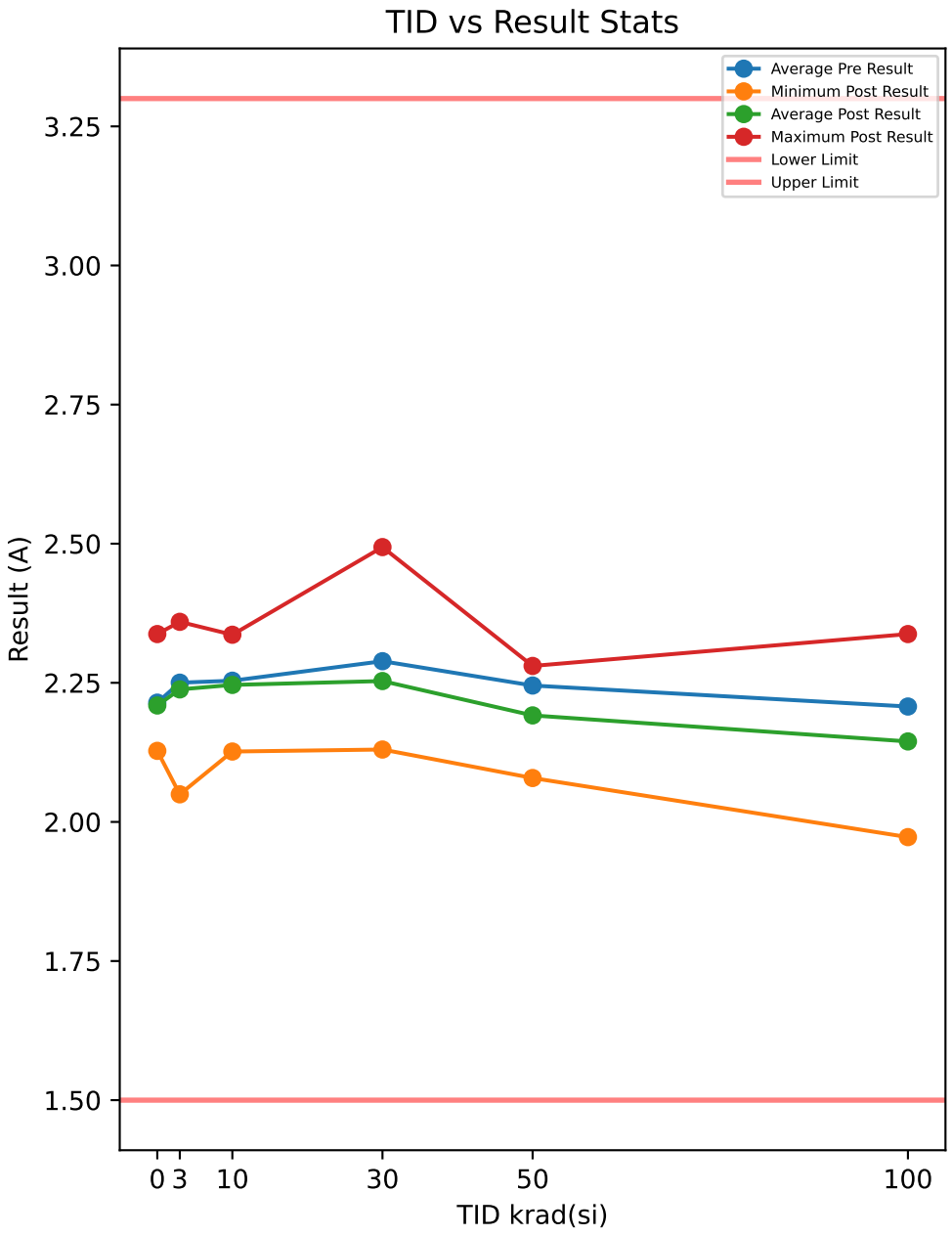
Test Results (Lower Limit = 1.5, Upper Limit = 3.3 (A))

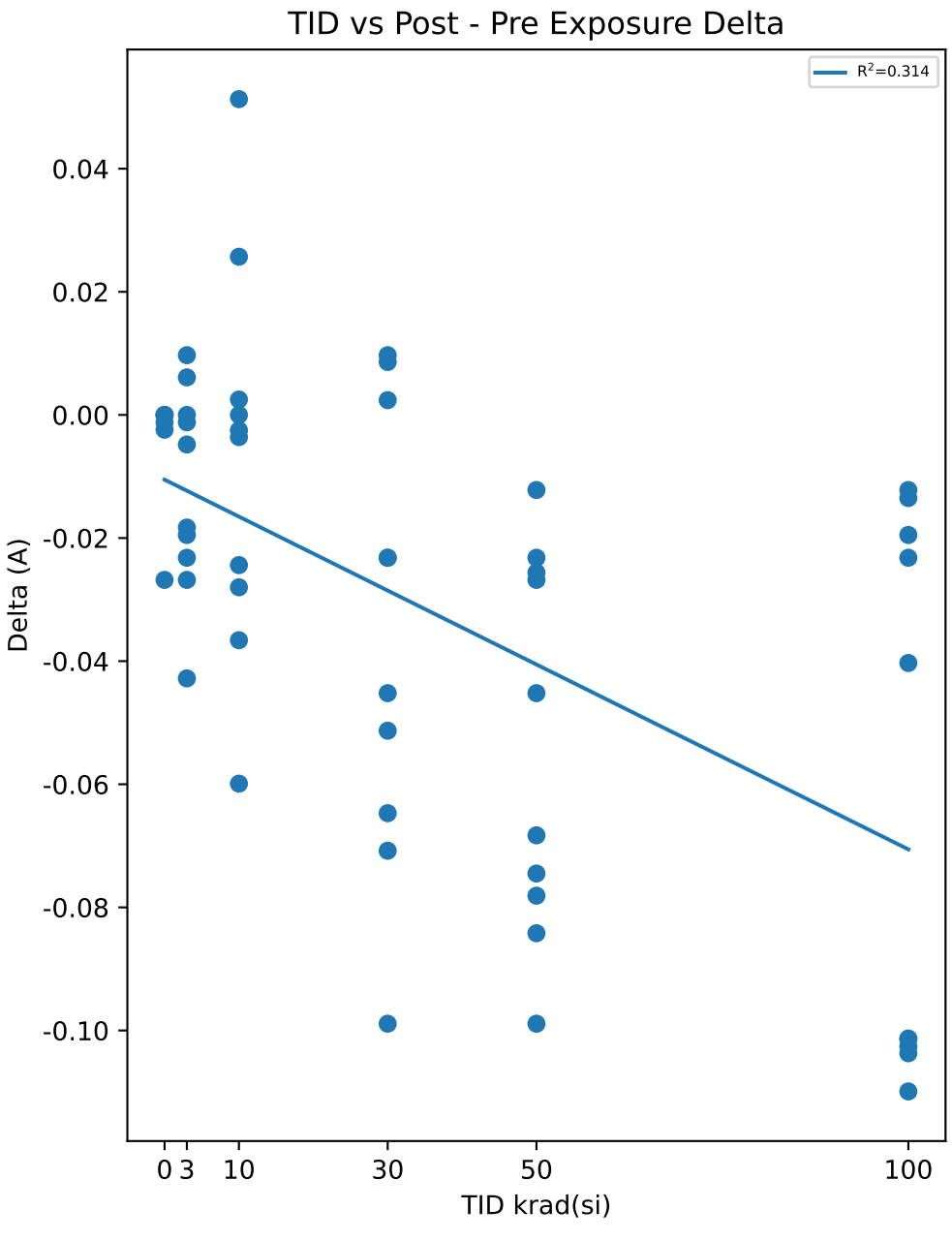
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	LDR Biased	2.1545	2.1326	-0.0219
2	3	LDR Biased	2.3364	2.3352	-0.0012
3	3	LDR Biased	2.4036	2.3865	-0.0171
4	3	LDR Biased	2.2778	2.2839	0.0061
5	3	LDR Biased	2.2778	2.2546	-0.0232
6	10	LDR Biased	2.3059	2.2839	-0.022
7	10	LDR Biased	2.3059	2.3071	0.0012
8	10	LDR Biased	2.2278	2.2083	-0.0195
9	10	LDR Biased	2.2766	2.2339	-0.0427
10	10	LDR Biased	2.3376	2.3083	-0.0293
11	30	LDR Biased	2.2607	2.2595	-0.0012
12	30	LDR Biased	2.4023	2.3413	-0.061
13	30	LDR Biased	2.4817	2.4402	-0.0415
14	30	LDR Biased	2.3401	2.2644	-0.0757
15	30	LDR Biased	2.3816	2.2607	-0.1209
16	50	LDR Biased	2.2595	2.1814	-0.0781
17	50	LDR Biased	2.2595	2.1826	-0.0769
18	50	LDR Biased	2.4463	2.3608	-0.0855
19	50	LDR Biased	2.3816	2.2852	-0.0964
20	50	LDR Biased	2.4463	2.3608	-0.0855
21	100	LDR Biased	2.124	2.0508	-0.0732
22	100	LDR Biased	2.2278	2.1033	-0.1245
23	100	LDR Biased	2.1936	2.1289	-0.0647
24	100	LDR Biased	2.1545	2.0496	-0.1049
25	100	LDR Biased	2.4475	2.3059	-0.1416
26	3	LDR Unbiased	2.4463	2.4377	-0.0086
27	3	LDR Unbiased	2.2583	2.2314	-0.0269
28	3	LDR Unbiased	2.3401	2.3621	0.022
29	3	LDR Unbiased	2.3059	2.3083	0.0024
30	3	LDR Unbiased	2.3828	2.3828	0
31	10	LDR Unbiased	2.3376	2.3352	-0.0024
32	10	LDR Unbiased	2.3816	2.3328	-0.0488
33	10	LDR Unbiased	2.4023	2.4146	0.0123
34	10	LDR Unbiased	2.3828	2.3877	0.0049
35	10	LDR Unbiased	2.3389	2.312	-0.0269
36	30	LDR Unbiased	2.229	2.2095	-0.0195
37	30	LDR Unbiased	2.3376	2.3157	-0.0219
38	30	LDR Unbiased	2.2302	2.1851	-0.0451
39	30	LDR Unbiased	2.3816	2.3669	-0.0147
40	30	LDR Unbiased	2.6135	2.5964	-0.0171
41	50	LDR Unbiased	2.1802	2.1277	-0.0525
42	50	LDR Unbiased	2.2766	2.2607	-0.0159
43	50	LDR Unbiased	2.3499	2.3389	-0.011
44	50	LDR Unbiased	2.3499	2.3096	-0.0403
45	50	LDR Unbiased	2.3401	2.3145	-0.0256
46	100	LDR Unbiased	2.3499	2.3328	-0.0171
47	100	LDR Unbiased	2.2766	2.2266	-0.05
48	100	LDR Unbiased	2.2778	2.2583	-0.0195
49	100	LDR Unbiased	2.3376	2.2803	-0.0573
50	100	LDR Unbiased	2.4475	2.4158	-0.0317
60	0	Correlation	2.3059	2.3071	0.0012
61	0	Correlation	2.4475	2.4121	-0.0354
62	0	Correlation	2.3389	2.3328	-0.0061
63	0	Correlation	2.262	2.2559	-0.0061
64	0	Correlation	2.1936	2.2058	0.0122
65	0	Correlation	2.2278	2.2302	0.0024

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	2.1936	2.2959	2.4475	0.090756	2.2058	2.2906	2.4121	0.075972	-0.0354	-0.0053	0.0122	0.016218
3	2.1545	2.3183	2.4463	0.083325	2.1326	2.3115	2.4377	0.089559	-0.0269	-0.00684	0.022	0.015522
10	2.2278	2.3297	2.4023	0.053051	2.2083	2.3124	2.4146	0.062278	-0.0488	-0.01732	0.0123	0.020639
30	2.229	2.3658	2.6135	0.11843	2.1851	2.324	2.5964	0.12204	-0.1209	-0.04186	-0.0012	0.036012
50	2.1802	2.329	2.4463	0.085524	2.1277	2.2722	2.3608	0.082186	-0.0964	-0.05677	-0.011	0.031812
100	2.124	2.2837	2.4475	0.11278	2.0496	2.2152	2.4158	0.12603	-0.1416	-0.06845	-0.0171	0.043084

Device Test: 19.5 _LEVEL|SINK/SW/5////@LOWSIDE_CURR_LIM_SINKING_25C





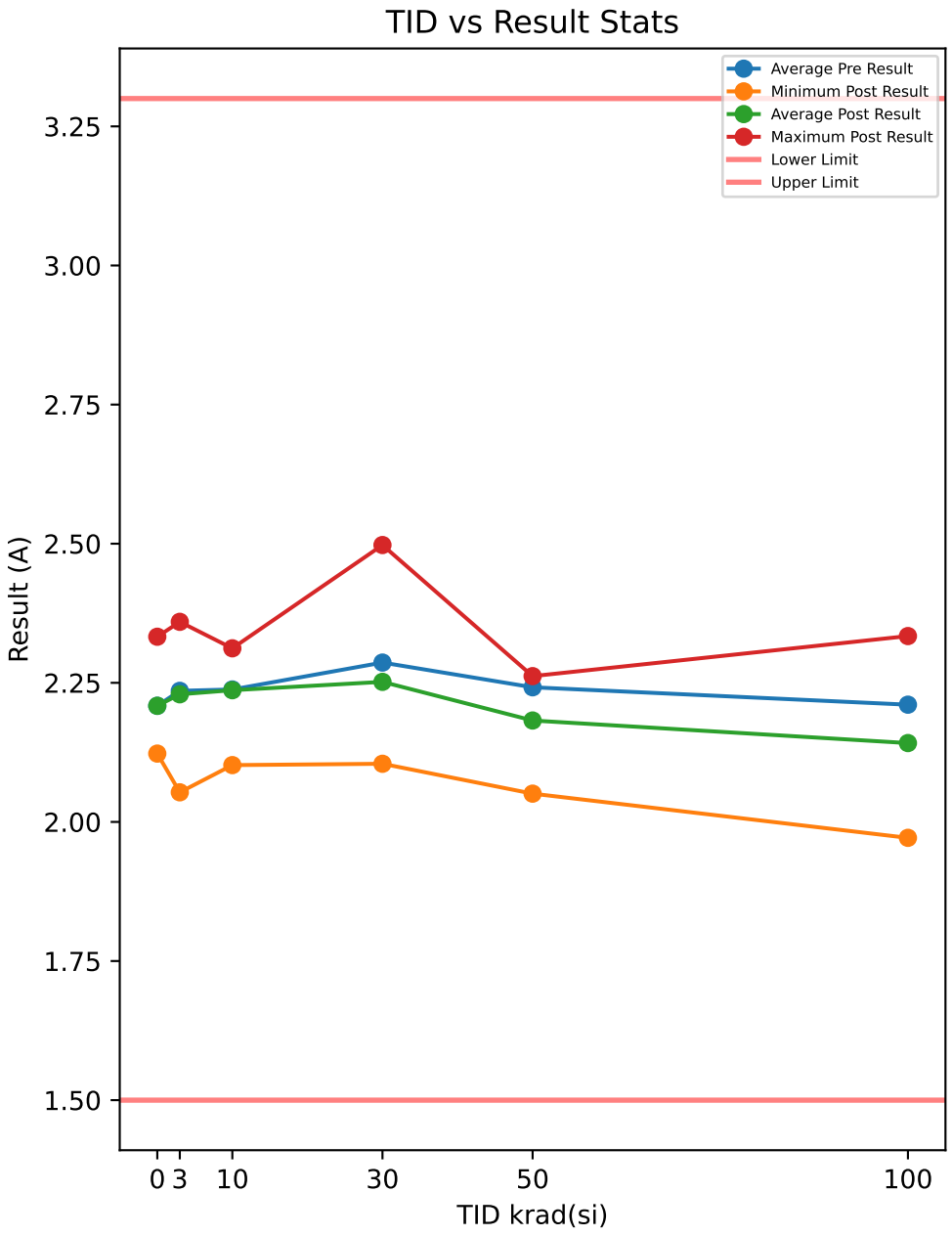
Test Results (Lower Limit = 1.5, Upper Limit = 3.3 (A))

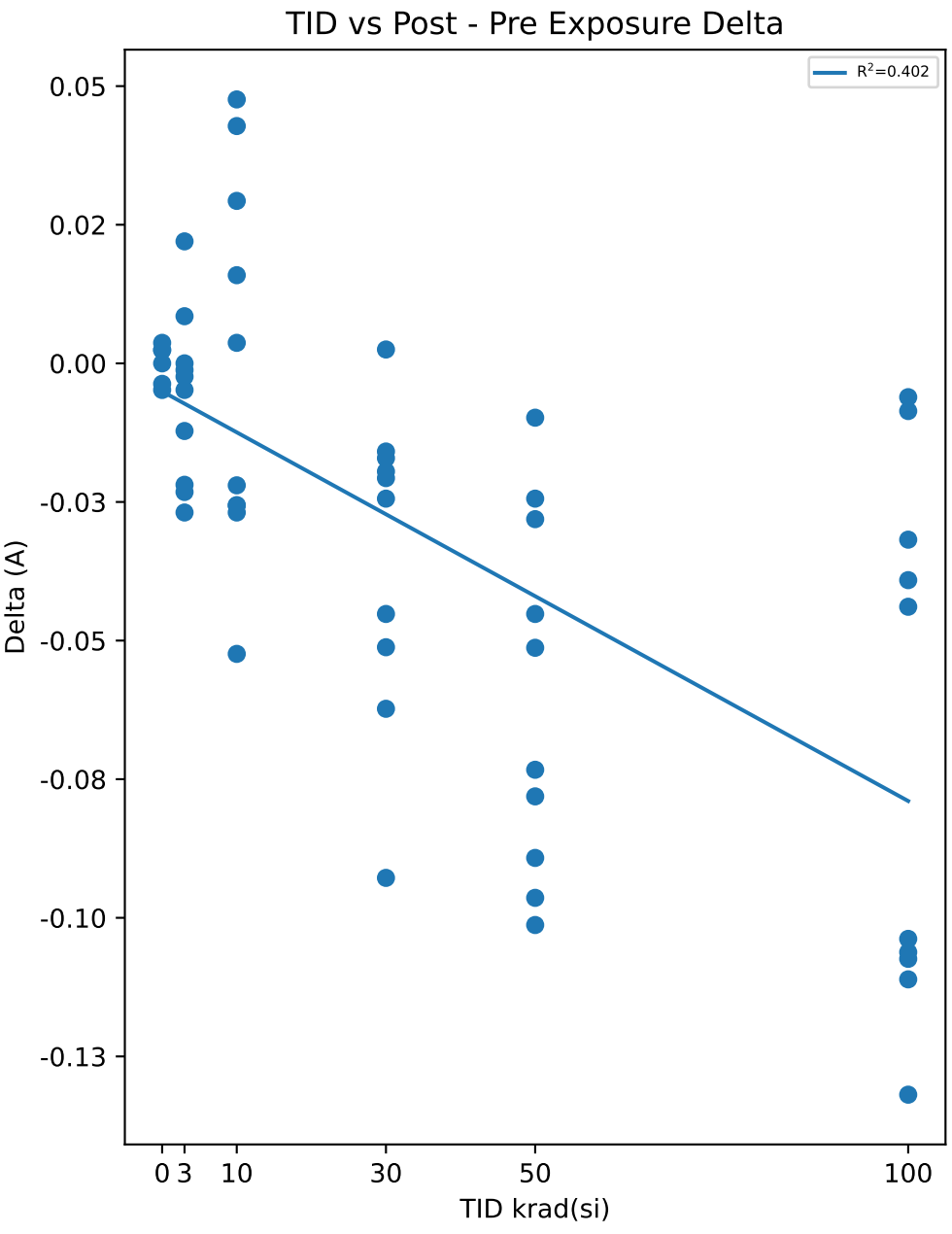
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	LDR Biased	2.0764	2.0496	-0.0268
2	3	LDR Biased	2.2607	2.2559	-0.0048
3	3	LDR Biased	2.3511	2.3083	-0.0428
4	3	LDR Biased	2.1948	2.1753	-0.0195
5	3	LDR Biased	2.3059	2.2827	-0.0232
6	10	LDR Biased	2.2278	2.2034	-0.0244
7	10	LDR Biased	2.2302	2.2327	0.0025
8	10	LDR Biased	2.1545	2.1265	-0.028
9	10	LDR Biased	2.1924	2.1558	-0.0366
10	10	LDR Biased	2.262	2.2021	-0.0599
11	30	LDR Biased	2.1814	2.1838	0.0024
12	30	LDR Biased	2.3413	2.29	-0.0513
13	30	LDR Biased	2.4036	2.3328	-0.0708
14	30	LDR Biased	2.2754	2.2107	-0.0647
15	30	LDR Biased	2.3059	2.207	-0.0989
16	50	LDR Biased	2.1802	2.1057	-0.0745
17	50	LDR Biased	2.1814	2.1033	-0.0781
18	50	LDR Biased	2.3401	2.2559	-0.0842
19	50	LDR Biased	2.3059	2.207	-0.0989
20	50	LDR Biased	2.3486	2.2803	-0.0683
21	100	LDR Biased	2.0764	1.9727	-0.1037
22	100	LDR Biased	2.1558	2.0544	-0.1014
23	100	LDR Biased	2.1545	2.0532	-0.1013
24	100	LDR Biased	2.1033	2.0007	-0.1026
25	100	LDR Biased	2.3389	2.229	-0.1099
26	3	LDR Unbiased	2.3499	2.3596	0.0097
27	3	LDR Unbiased	2.1533	2.1521	-0.0012
28	3	LDR Unbiased	2.2766	2.2827	0.0061
29	3	LDR Unbiased	2.2278	2.2278	0
30	3	LDR Unbiased	2.3059	2.2876	-0.0183
31	10	LDR Unbiased	2.2595	2.2559	-0.0036
32	10	LDR Unbiased	2.3059	2.3059	0
33	10	LDR Unbiased	2.3389	2.3364	-0.0025
34	10	LDR Unbiased	2.3071	2.3328	0.0257
35	10	LDR Unbiased	2.2595	2.3108	0.0513
36	30	LDR Unbiased	2.1558	2.1326	-0.0232
37	30	LDR Unbiased	2.2583	2.2351	-0.0232
38	30	LDR Unbiased	2.1204	2.1301	0.0097
39	30	LDR Unbiased	2.3071	2.3157	0.0086
40	30	LDR Unbiased	2.5391	2.4939	-0.0452
41	50	LDR Unbiased	2.1021	2.0789	-0.0232
42	50	LDR Unbiased	2.1936	2.1814	-0.0122
43	50	LDR Unbiased	2.2791	2.2339	-0.0452
44	50	LDR Unbiased	2.2607	2.2339	-0.0268
45	50	LDR Unbiased	2.2595	2.2339	-0.0256
46	100	LDR Unbiased	2.2778	2.2546	-0.0232
47	100	LDR Unbiased	2.1936	2.1533	-0.0403
48	100	LDR Unbiased	2.1936	2.1814	-0.0122
49	100	LDR Unbiased	2.229	2.2095	-0.0195
50	100	LDR Unbiased	2.3511	2.3376	-0.0135
60	0	Correlation	2.229	2.2278	-0.0012
61	0	Correlation	2.3376	2.3376	0
62	0	Correlation	2.229	2.229	0
63	0	Correlation	2.1814	2.179	-0.0024
64	0	Correlation	2.1545	2.1277	-0.0268
65	0	Correlation	2.1545	2.1545	0

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	2.1545	2.2143	2.3376	0.069093	2.1277	2.2093	2.3376	0.074526	-0.0268	-0.0050667	0	0.01069
3	2.0764	2.2502	2.3511	0.088381	2.0496	2.2382	2.3596	0.090317	-0.0428	-0.01208	0.0097	0.016667
10	2.1545	2.2538	2.3389	0.055571	2.1265	2.2462	2.3364	0.07448	-0.0599	-0.00755	0.0513	0.031718
30	2.1204	2.2888	2.5391	0.12379	2.1301	2.2532	2.4939	0.1097	-0.0989	-0.03566	0.0097	0.036801
50	2.1021	2.2451	2.3486	0.07917	2.0789	2.1914	2.2803	0.071171	-0.0989	-0.0537	-0.0122	0.030646
100	2.0764	2.2074	2.3511	0.092619	1.9727	2.1446	2.3376	0.11966	-0.1099	-0.06276	-0.0122	0.043954

Device Test: 19.8 _LEVEL|SINK/SW/12////@LOWSIDE_CURR_LIM_SINKING_25C





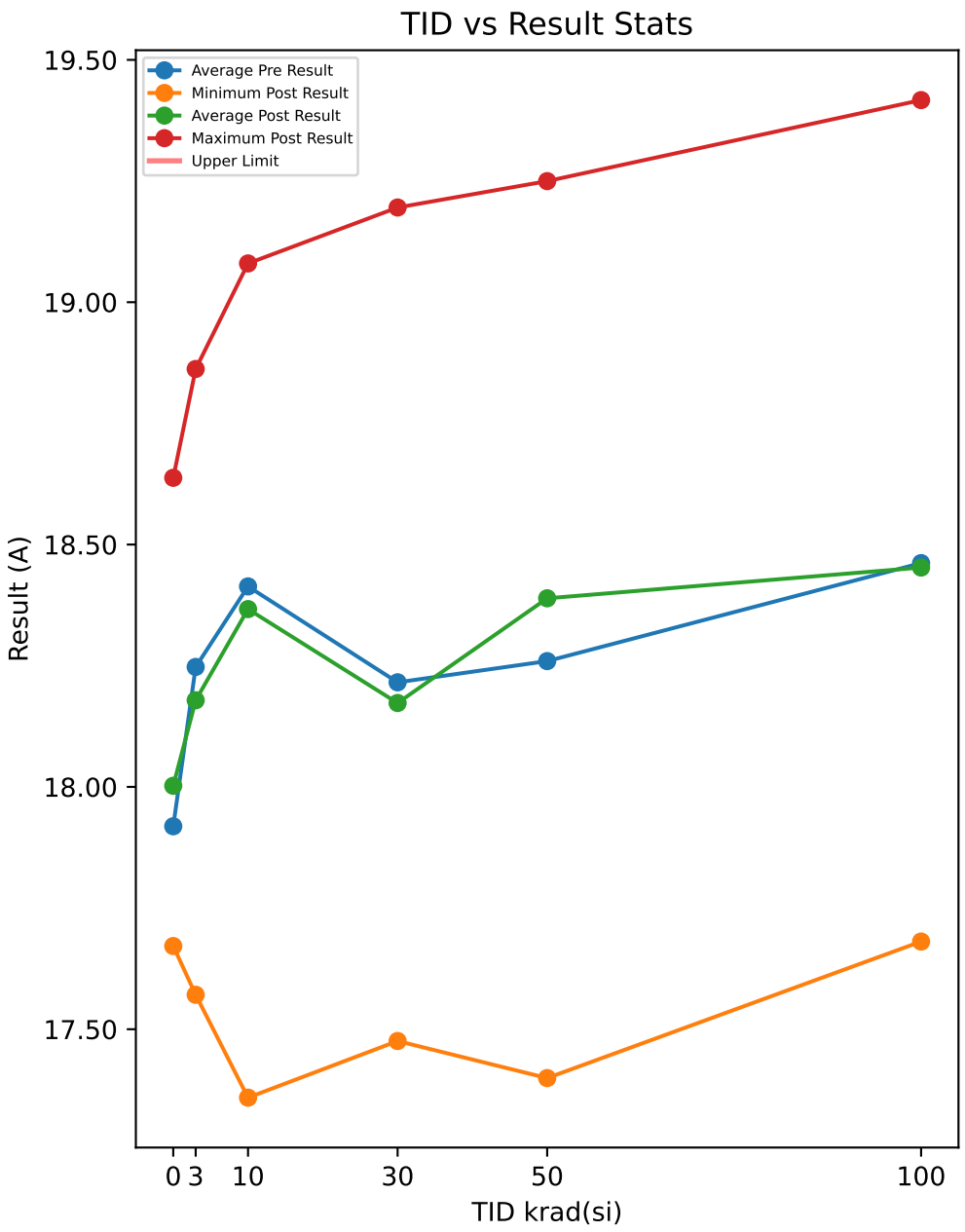
Test Results (Lower Limit = 1.5, Upper Limit = 3.3 (A))

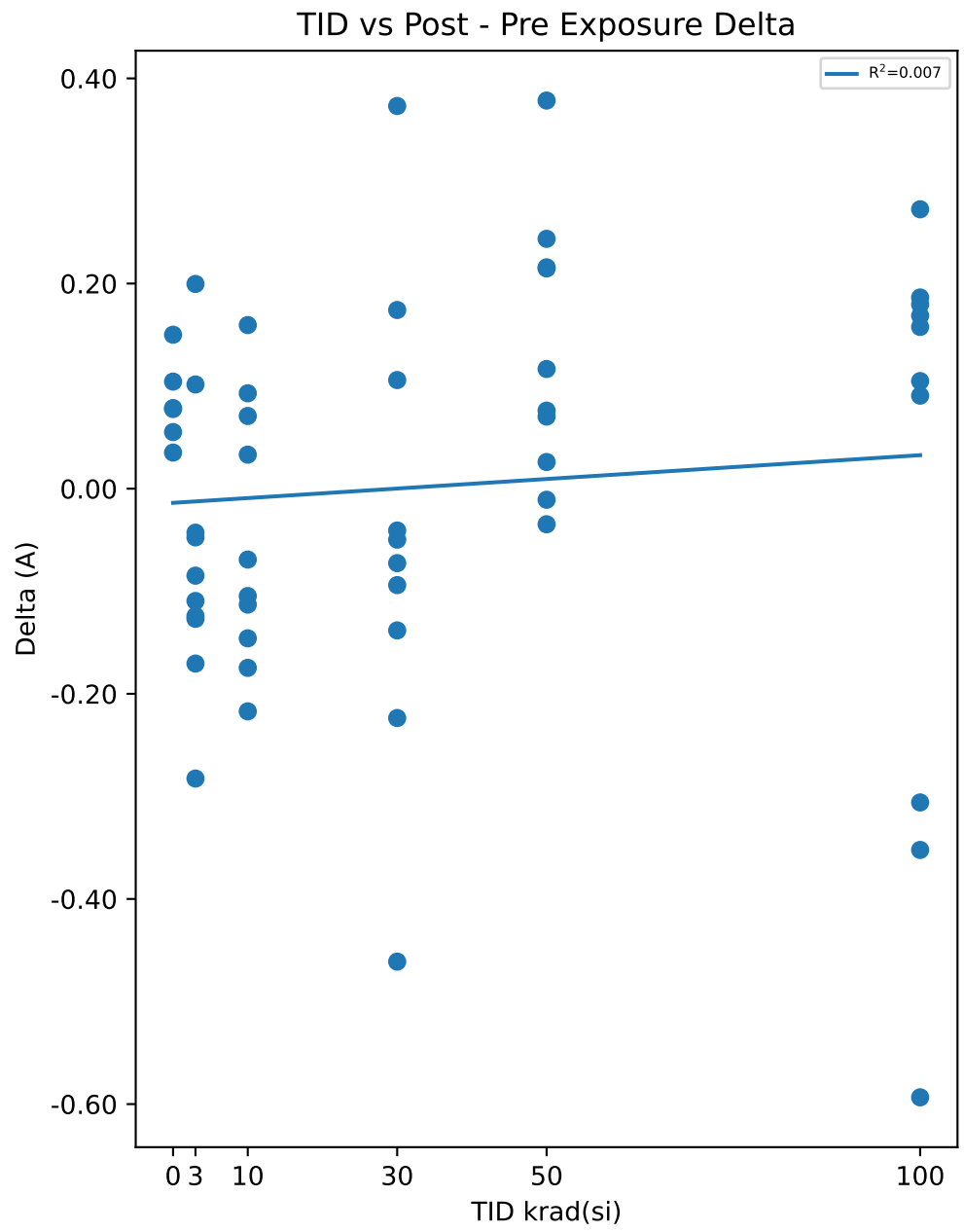
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	LDR Biased	2.0764	2.0532	-0.0232
2	3	LDR Biased	2.2607	2.2583	-0.0024
3	3	LDR Biased	2.3389	2.312	-0.0269
4	3	LDR Biased	2.1936	2.1814	-0.0122
5	3	LDR Biased	2.1826	2.1826	0
6	10	LDR Biased	2.1936	2.2095	0.0159
7	10	LDR Biased	2.229	2.2327	0.0037
8	10	LDR Biased	2.1545	2.1021	-0.0524
9	10	LDR Biased	2.1814	2.1545	-0.0269
10	10	LDR Biased	2.2278	2.2058	-0.022
11	30	LDR Biased	2.229	2.1838	-0.0452
12	30	LDR Biased	2.3071	2.2876	-0.0195
13	30	LDR Biased	2.4036	2.3413	-0.0623
14	30	LDR Biased	2.2595	2.2083	-0.0512
15	30	LDR Biased	2.3059	2.2131	-0.0928
16	50	LDR Biased	2.1802	2.1069	-0.0733
17	50	LDR Biased	2.1802	2.0789	-0.1013
18	50	LDR Biased	2.3401	2.262	-0.0781
19	50	LDR Biased	2.3059	2.2095	-0.0964
20	50	LDR Biased	2.3499	2.2607	-0.0892
21	100	LDR Biased	2.1033	1.9714	-0.1319
22	100	LDR Biased	2.1545	2.0471	-0.1074
23	100	LDR Biased	2.1545	2.0483	-0.1062
24	100	LDR Biased	2.1021	1.9983	-0.1038
25	100	LDR Biased	2.3413	2.2302	-0.1111
26	3	LDR Unbiased	2.3376	2.3596	0.022
27	3	LDR Unbiased	2.1545	2.1497	-0.0048
28	3	LDR Unbiased	2.2754	2.2839	0.0085
29	3	LDR Unbiased	2.229	2.2278	-0.0012
30	3	LDR Unbiased	2.3071	2.2852	-0.0219
31	10	LDR Unbiased	2.2583	2.2327	-0.0256
32	10	LDR Unbiased	2.3376	2.312	-0.0256
33	10	LDR Unbiased	2.2607	2.3035	0.0428
34	10	LDR Unbiased	2.2778	2.3071	0.0293
35	10	LDR Unbiased	2.2595	2.3071	0.0476
36	30	LDR Unbiased	2.1545	2.1301	-0.0244
37	30	LDR Unbiased	2.2595	2.262	0.0025
38	30	LDR Unbiased	2.1204	2.1045	-0.0159
39	30	LDR Unbiased	2.3059	2.2888	-0.0171
40	30	LDR Unbiased	2.5183	2.4976	-0.0207
41	50	LDR Unbiased	2.1021	2.0508	-0.0513
42	50	LDR Unbiased	2.1936	2.1838	-0.0098
43	50	LDR Unbiased	2.2791	2.2339	-0.0452
44	50	LDR Unbiased	2.2595	2.2314	-0.0281
45	50	LDR Unbiased	2.229	2.2046	-0.0244
46	100	LDR Unbiased	2.262	2.2534	-0.0086
47	100	LDR Unbiased	2.1936	2.1497	-0.0439
48	100	LDR Unbiased	2.1936	2.1545	-0.0391
49	100	LDR Unbiased	2.262	2.2302	-0.0318
50	100	LDR Unbiased	2.3401	2.334	-0.0061
60	0	Correlation	2.2278	2.2302	0.0024
61	0	Correlation	2.3376	2.3328	-0.0048
62	0	Correlation	2.229	2.2327	0.0037
63	0	Correlation	2.1814	2.1777	-0.0037
64	0	Correlation	2.1204	2.1228	0.0024
65	0	Correlation	2.1558	2.1558	0

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	2.1204	2.2087	2.3376	0.075806	2.1228	2.2087	2.3328	0.074266	-0.0048	0	0.0037	0.0035197
3	2.0764	2.2356	2.3389	0.084944	2.0532	2.2294	2.3596	0.089808	-0.0269	-0.00621	0.022	0.015243
10	2.1545	2.238	2.3376	0.052942	2.1021	2.2367	2.312	0.071992	-0.0524	-0.00132	0.0476	0.034106
30	2.1204	2.2864	2.5183	0.1147	2.1045	2.2517	2.4976	0.11338	-0.0928	-0.03466	0.0025	0.028087
50	2.1021	2.242	2.3499	0.07941	2.0508	2.1823	2.262	0.076362	-0.1013	-0.05971	-0.0098	0.032467
100	2.1021	2.2107	2.3413	0.087746	1.9714	2.1417	2.334	0.12137	-0.1319	-0.06899	-0.0061	0.047505

Device Test: 20.10 _THRESHOLD|RISE/SW/4.5////@HIGHSIDE_CURR_LIM2_13A





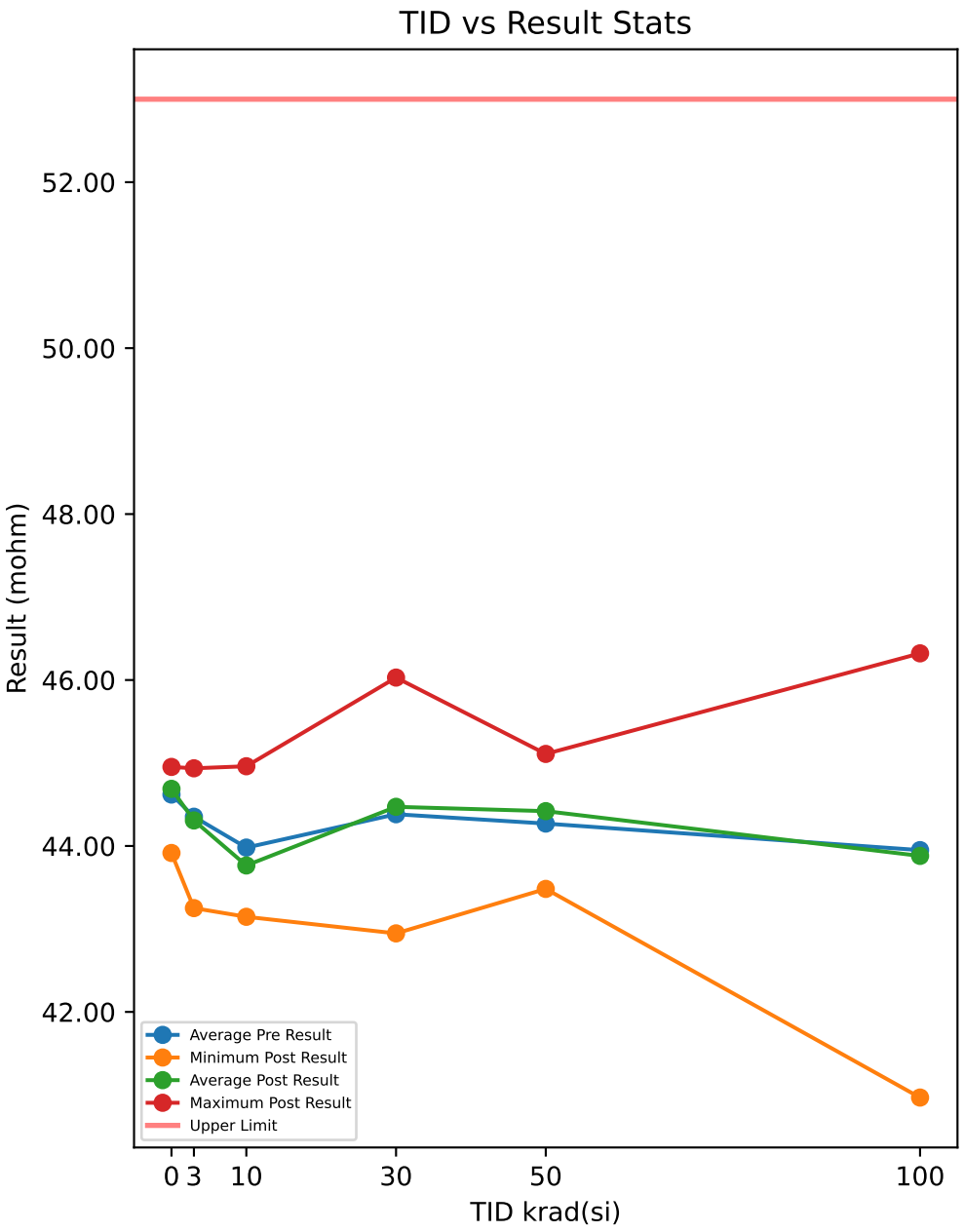
Test Results (No Limits Specified (A))

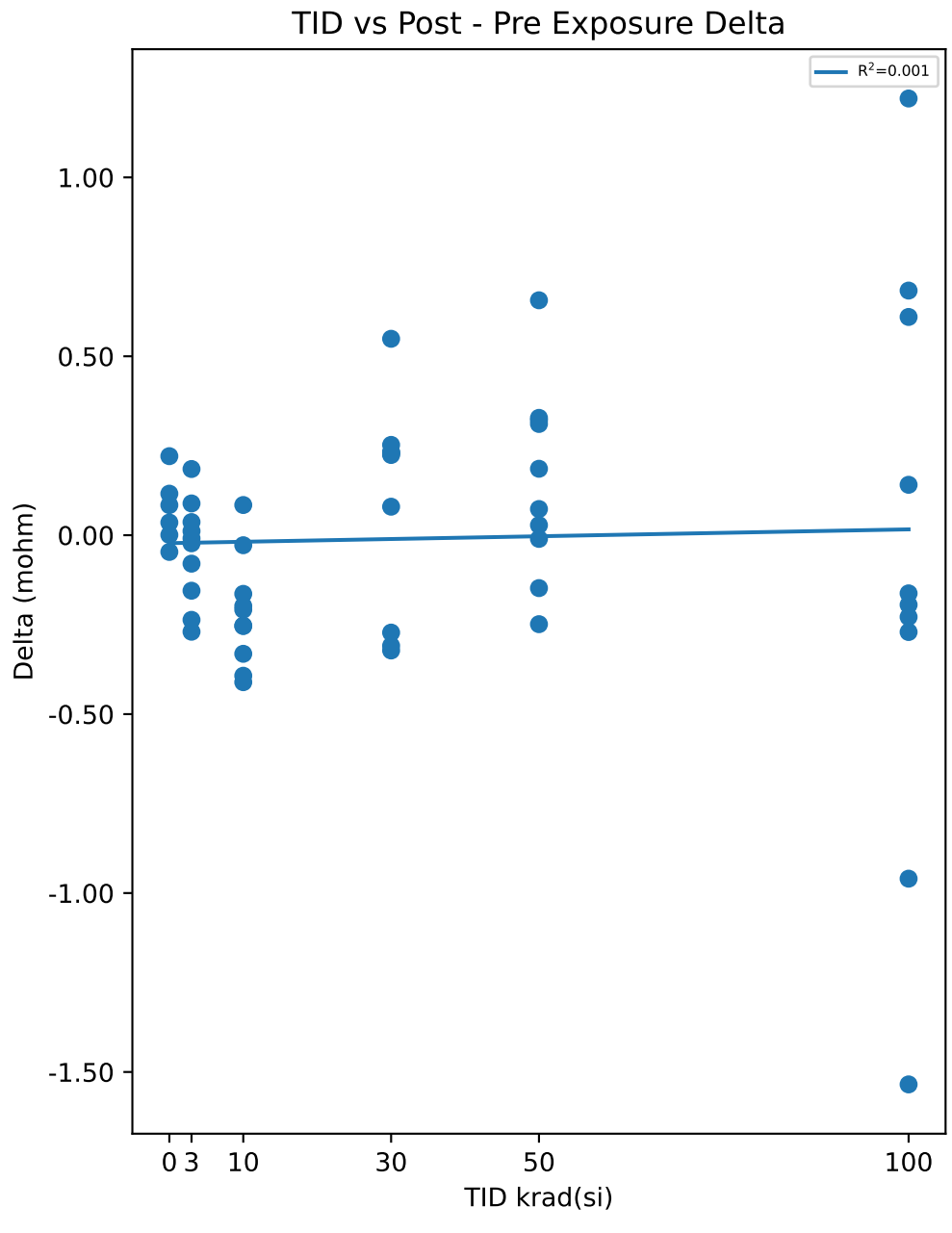
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	LDR Biased	17.675	17.777	0.1016
2	3	LDR Biased	18.448	18.166	-0.2826
3	3	LDR Biased	17.619	17.571	-0.0475
4	3	LDR Biased	18.905	18.862	-0.0429
5	3	LDR Biased	18.419	18.248	-0.1705
6	10	LDR Biased	17.266	17.359	0.093
7	10	LDR Biased	19.009	19.08	0.0709
8	10	LDR Biased	18.728	18.553	-0.1747
9	10	LDR Biased	18.14	18.027	-0.113
10	10	LDR Biased	17.959	17.813	-0.1459
11	30	LDR Biased	18.68	18.64	-0.0408
12	30	LDR Biased	18.168	18.096	-0.0726
13	30	LDR Biased	17.614	17.476	-0.1382
14	30	LDR Biased	17.776	17.553	-0.2236
15	30	LDR Biased	18.58	18.53	-0.0497
16	50	LDR Biased	17.373	17.399	0.026
17	50	LDR Biased	18.509	18.498	-0.0108
18	50	LDR Biased	18.453	18.529	0.0761
19	50	LDR Biased	18.511	18.476	-0.0347
20	50	LDR Biased	17.907	18.121	0.2147
21	100	LDR Biased	18.254	18.44	0.1864
22	100	LDR Biased	19.326	19.417	0.0907
23	100	LDR Biased	17.852	18.02	0.1687
24	100	LDR Biased	17.672	17.851	0.1796
25	100	LDR Biased	18.764	18.412	-0.3522
26	3	LDR Unbiased	17.786	17.985	0.1996
27	3	LDR Unbiased	18.719	18.634	-0.0848
28	3	LDR Unbiased	18.798	18.671	-0.1269
29	3	LDR Unbiased	17.714	17.605	-0.1095
30	3	LDR Unbiased	18.391	18.267	-0.1241
31	10	LDR Unbiased	18.697	18.592	-0.1047
32	10	LDR Unbiased	18.263	18.046	-0.2171
33	10	LDR Unbiased	18.334	18.493	0.1595
34	10	LDR Unbiased	18.599	18.633	0.0332
35	10	LDR Unbiased	19.142	19.073	-0.0691
36	30	LDR Unbiased	18.659	18.834	0.1742
37	30	LDR Unbiased	17.963	17.502	-0.4611
38	30	LDR Unbiased	18.822	19.195	0.3731
39	30	LDR Unbiased	17.793	17.699	-0.094
40	30	LDR Unbiased	18.101	18.207	0.1059
41	50	LDR Unbiased	18.405	18.784	0.3784
42	50	LDR Unbiased	17.652	17.769	0.1167
43	50	LDR Unbiased	18.77	18.986	0.2158
44	50	LDR Unbiased	19.18	19.25	0.0703
45	50	LDR Unbiased	17.835	18.079	0.2436
46	100	LDR Unbiased	18.274	17.681	-0.5934
47	100	LDR Unbiased	18.253	18.357	0.1049
48	100	LDR Unbiased	18.871	18.565	-0.3059
49	100	LDR Unbiased	18.933	19.205	0.2724
50	100	LDR Unbiased	18.418	18.576	0.1577
60	0	Correlation	18.294	18.373	0.0786
61	0	Correlation	17.521	17.672	0.1501
62	0	Correlation	17.703	17.808	0.1044
63	0	Correlation	18.56	18.638	0.0777
64	0	Correlation	17.656	17.711	0.0552
65	0	Correlation	17.777	17.813	0.0352

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	17.521	17.919	18.56	0.41119	17.672	18.002	18.638	0.40222	0.0352	0.083533	0.1501	0.040159
3	17.619	18.247	18.905	0.50206	17.571	18.179	18.862	0.45059	-0.2826	-0.06876	0.1996	0.13606
10	17.266	18.414	19.142	0.55045	17.359	18.367	19.08	0.54983	-0.2171	-0.04679	0.1595	0.12727
30	17.614	18.216	18.822	0.43804	17.476	18.173	19.195	0.61287	-0.4611	-0.04268	0.3731	0.22669
50	17.373	18.259	19.18	0.55276	17.399	18.389	19.25	0.56018	-0.0347	0.12961	0.3784	0.13062
100	17.672	18.462	19.326	0.51086	17.681	18.453	19.417	0.54561	-0.5934	-0.00911	0.2724	0.2949

Device Test: 20.101 _LEVEL|HIGHSIDE/SW/14/2///@R_HIGHSIDE_14V_25C





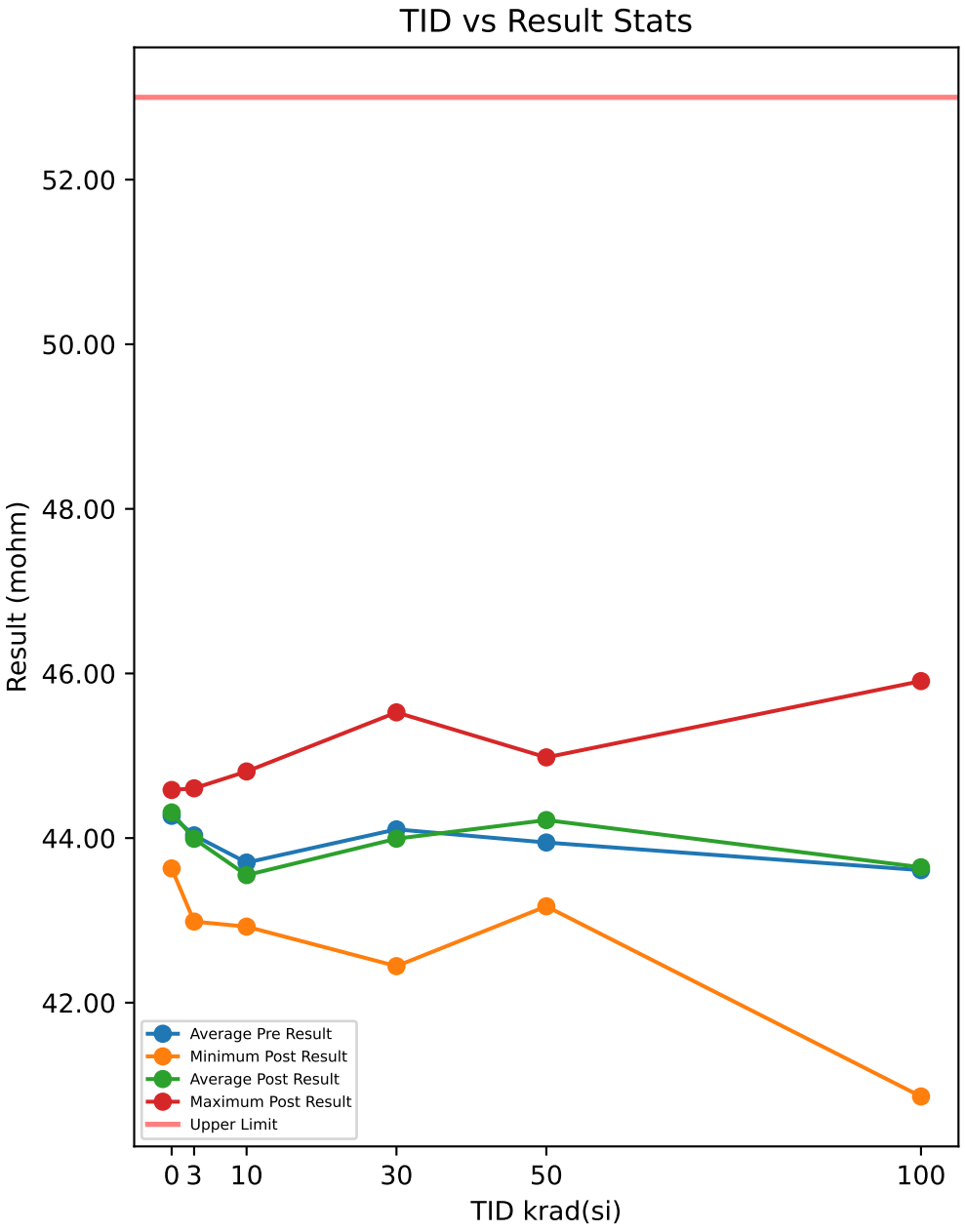
Test Results (Upper Limit = 53.0 (mohm))

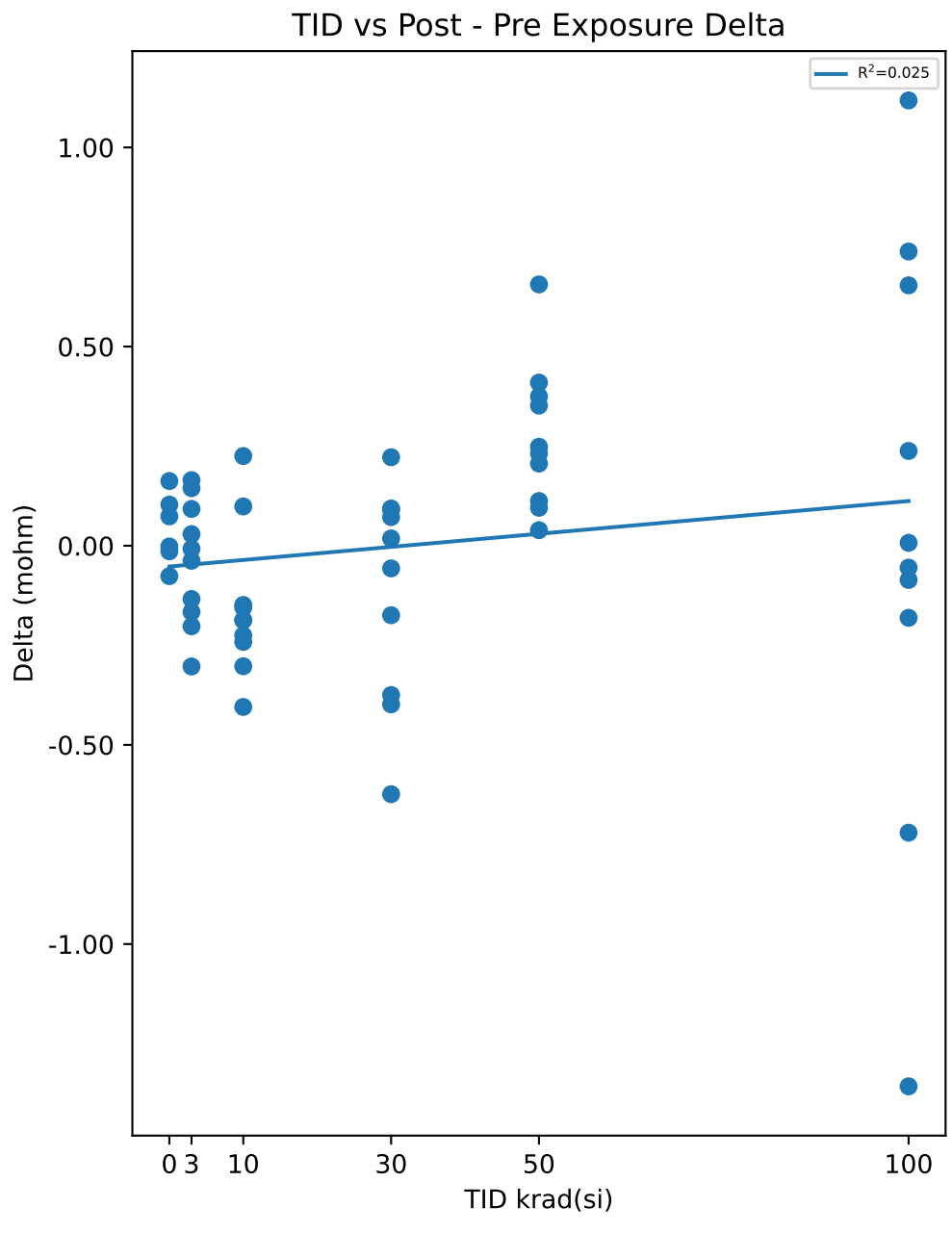
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	LDR Biased	44.484	44.247	-0.2365
2	3	LDR Biased	44.796	44.527	-0.2697
3	3	LDR Biased	43.943	43.788	-0.1551
4	3	LDR Biased	43.331	43.251	-0.0795
5	3	LDR Biased	44.42	44.605	0.185
6	10	LDR Biased	43.449	43.285	-0.1639
7	10	LDR Biased	43.828	43.575	-0.2538
8	10	LDR Biased	44.283	43.872	-0.4107
9	10	LDR Biased	43.344	43.146	-0.1979
10	10	LDR Biased	43.787	43.394	-0.3927
11	30	LDR Biased	44.856	44.584	-0.2721
12	30	LDR Biased	43.269	42.946	-0.3221
13	30	LDR Biased	44.361	44.441	0.0797
14	30	LDR Biased	44.214	44.446	0.2313
15	30	LDR Biased	45.757	45.99	0.2328
16	50	LDR Biased	44.453	45.109	0.6565
17	50	LDR Biased	44.263	44.014	-0.2486
18	50	LDR Biased	44.922	45.108	0.1857
19	50	LDR Biased	44.175	44.502	0.3279
20	50	LDR Biased	44.533	44.561	0.0282
21	100	LDR Biased	43.764	43.569	-0.1944
22	100	LDR Biased	44.328	43.368	-0.9598
23	100	LDR Biased	43.763	44.373	0.6099
24	100	LDR Biased	43.787	43.624	-0.1625
25	100	LDR Biased	42.907	42.679	-0.2284
26	3	LDR Unbiased	44.754	44.766	0.0115
27	3	LDR Unbiased	44.353	44.389	0.0367
28	3	LDR Unbiased	44.847	44.936	0.0888
29	3	LDR Unbiased	44.856	44.833	-0.0226
30	3	LDR Unbiased	43.74	43.731	-0.0089
31	10	LDR Unbiased	43.572	43.319	-0.2528
32	10	LDR Unbiased	44.877	44.669	-0.2081
33	10	LDR Unbiased	43.628	43.297	-0.3314
34	10	LDR Unbiased	44.16	44.132	-0.028
35	10	LDR Unbiased	44.876	44.961	0.0844
36	30	LDR Unbiased	44.34	44.032	-0.3089
37	30	LDR Unbiased	43.808	44.036	0.2275
38	30	LDR Unbiased	43.252	43.477	0.2242
39	30	LDR Unbiased	45.481	46.029	0.5489
40	30	LDR Unbiased	44.487	44.739	0.2524
41	50	LDR Unbiased	43.161	43.483	0.321
42	50	LDR Unbiased	43.934	44.008	0.0732
43	50	LDR Unbiased	44.175	44.028	-0.1478
44	50	LDR Unbiased	44.817	44.807	-0.0103
45	50	LDR Unbiased	44.266	44.577	0.3109
46	100	LDR Unbiased	44.16	44.301	0.1409
47	100	LDR Unbiased	44.743	44.472	-0.2705
48	100	LDR Unbiased	42.503	40.968	-1.5347
49	100	LDR Unbiased	45.101	46.322	1.2204
50	100	LDR Unbiased	44.444	45.128	0.6836
60	0	Correlation	44.879	44.915	0.0355
61	0	Correlation	44.761	44.762	0.0009
62	0	Correlation	43.799	43.916	0.1161
63	0	Correlation	44.867	44.821	-0.0467
64	0	Correlation	44.868	44.953	0.0842
65	0	Correlation	44.544	44.764	0.2209

Test Statistics (mohm)

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	43.799	44.62	44.879	0.42174	43.916	44.688	44.953	0.38656	-0.0467	0.068483	0.2209	0.094518
3	43.331	44.352	44.856	0.52327	43.251	44.307	44.936	0.55231	-0.2697	-0.04503	0.185	0.14258
10	43.344	43.981	44.877	0.55479	43.146	43.765	44.961	0.63239	-0.4107	-0.21549	0.0844	0.15417
30	43.252	44.382	45.757	0.83053	42.946	44.472	46.029	0.97281	-0.3221	0.08937	0.5489	0.29333
50	43.161	44.27	44.922	0.49295	43.483	44.42	45.109	0.52883	-0.2486	0.14967	0.6565	0.26637
100	42.503	43.95	45.101	0.79334	40.968	43.88	46.322	1.439	-1.5347	-0.06955	1.2204	0.80043

Device Test: 20.102 _LEVEL|HIGHSIDE/SW/14/12///@R_HIGHSIDE_14V_25C





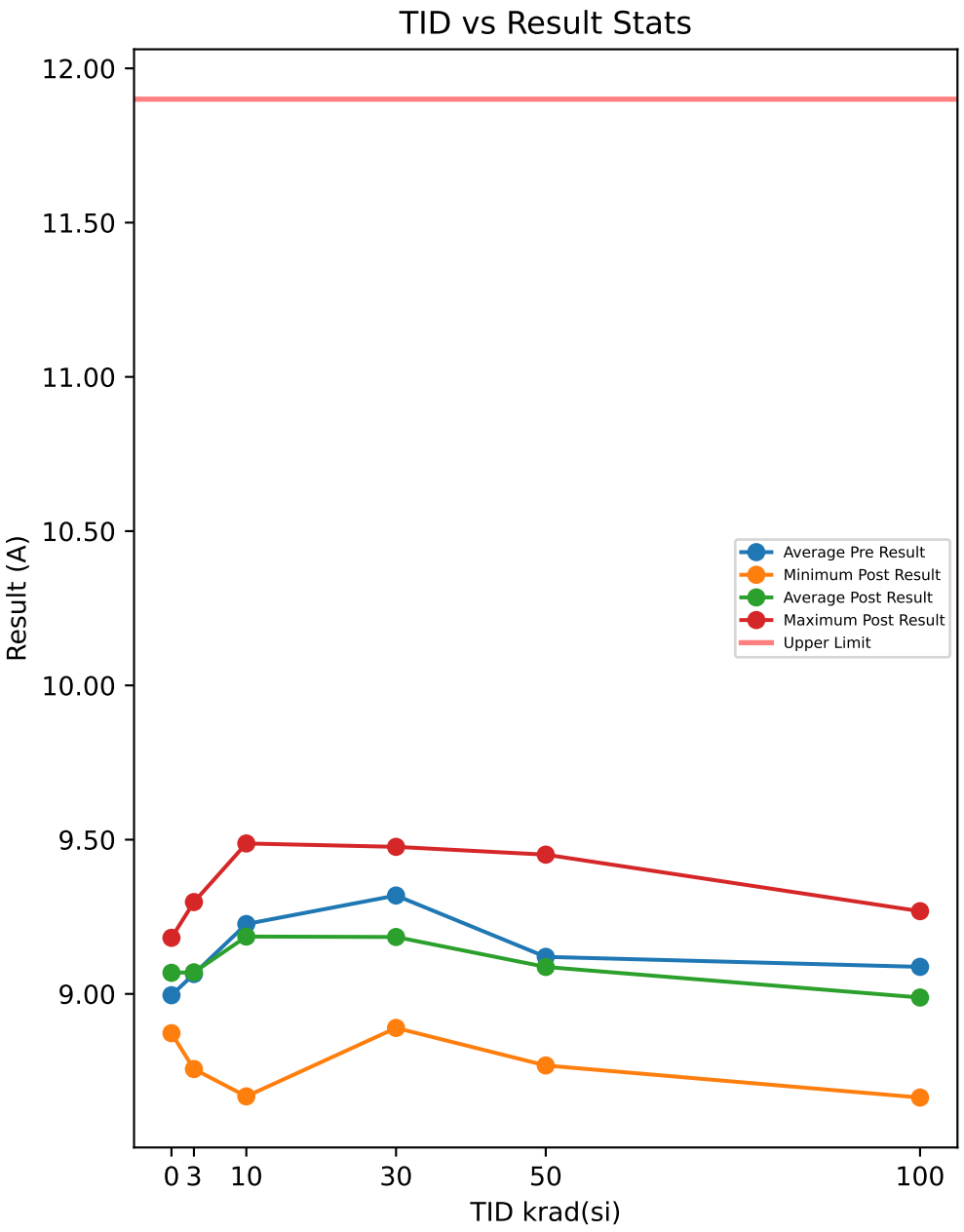
Test Results (Upper Limit = 53.0 (mohm))

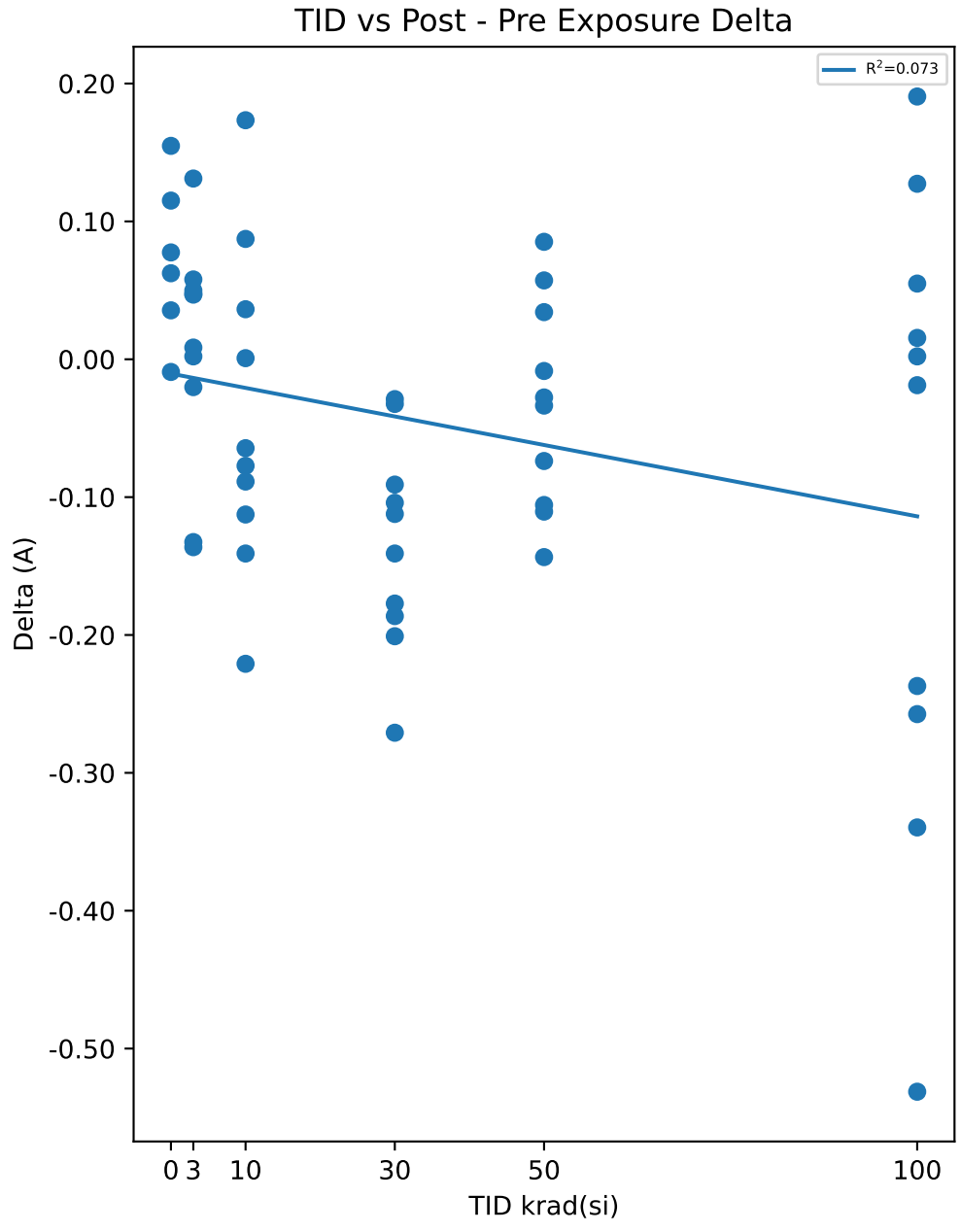
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	LDR Biased	44.199	43.895	-0.3031
2	3	LDR Biased	44.398	44.232	-0.1661
3	3	LDR Biased	43.696	43.493	-0.2022
4	3	LDR Biased	43.119	42.985	-0.1337
5	3	LDR Biased	44.171	44.315	0.1445
6	10	LDR Biased	43.21	43.061	-0.1487
7	10	LDR Biased	43.635	43.23	-0.4047
8	10	LDR Biased	43.972	43.67	-0.3026
9	10	LDR Biased	43.079	42.924	-0.1551
10	10	LDR Biased	43.474	43.249	-0.225
11	30	LDR Biased	44.545	44.147	-0.3983
12	30	LDR Biased	43.068	42.444	-0.6238
13	30	LDR Biased	44.034	43.859	-0.1745
14	30	LDR Biased	43.834	43.852	0.0183
15	30	LDR Biased	45.455	45.527	0.0719
16	50	LDR Biased	44.201	44.857	0.6561
17	50	LDR Biased	43.891	43.93	0.039
18	50	LDR Biased	44.749	44.98	0.2316
19	50	LDR Biased	43.857	44.209	0.3519
20	50	LDR Biased	44.219	44.314	0.0953
21	100	LDR Biased	43.4	43.345	-0.055
22	100	LDR Biased	43.952	43.232	-0.7204
23	100	LDR Biased	43.36	44.014	0.6537
24	100	LDR Biased	43.403	43.411	0.0073
25	100	LDR Biased	42.642	42.556	-0.0859
26	3	LDR Unbiased	44.411	44.373	-0.0377
27	3	LDR Unbiased	44.026	44.118	0.0924
28	3	LDR Unbiased	44.44	44.605	0.1647
29	3	LDR Unbiased	44.516	44.545	0.0291
30	3	LDR Unbiased	43.356	43.348	-0.0075
31	10	LDR Unbiased	43.254	43.067	-0.1869
32	10	LDR Unbiased	44.652	44.41	-0.2414
33	10	LDR Unbiased	43.315	43.128	-0.1869
34	10	LDR Unbiased	43.852	43.951	0.0987
35	10	LDR Unbiased	44.584	44.809	0.2252
36	30	LDR Unbiased	44.087	43.712	-0.3748
37	30	LDR Unbiased	43.55	43.493	-0.0569
38	30	LDR Unbiased	42.946	43.039	0.0934
39	30	LDR Unbiased	45.303	45.525	0.2222
40	30	LDR Unbiased	44.235	44.326	0.0906
41	50	LDR Unbiased	42.761	43.171	0.4095
42	50	LDR Unbiased	43.665	43.914	0.2485
43	50	LDR Unbiased	43.841	43.953	0.1123
44	50	LDR Unbiased	44.382	44.588	0.2063
45	50	LDR Unbiased	43.895	44.269	0.3748
46	100	LDR Unbiased	43.81	44.048	0.2379
47	100	LDR Unbiased	44.376	44.195	-0.181
48	100	LDR Unbiased	42.218	40.861	-1.3572
49	100	LDR Unbiased	44.789	45.907	1.118
50	100	LDR Unbiased	44.147	44.886	0.7387
60	0	Correlation	44.48	44.554	0.0738
61	0	Correlation	44.385	44.309	-0.0763
62	0	Correlation	43.633	43.631	-0.0019
63	0	Correlation	44.419	44.405	-0.0141
64	0	Correlation	44.481	44.584	0.1033
65	0	Correlation	44.222	44.385	0.1624

Test Statistics (mohm)

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	43.633	44.27	44.481	0.32618	43.631	44.311	44.584	0.34928	-0.0763	0.0412	0.1624	0.087556
3	43.119	44.033	44.516	0.48639	42.985	43.991	44.605	0.54671	-0.3031	-0.04196	0.1647	0.15616
10	43.079	43.703	44.652	0.55908	42.924	43.55	44.809	0.64431	-0.4047	-0.15274	0.2252	0.18482
30	42.946	44.106	45.455	0.83498	42.444	43.992	45.527	0.97243	-0.6238	-0.11319	0.2222	0.27195
50	42.761	43.946	44.749	0.52499	43.171	44.219	44.98	0.52503	0.039	0.27253	0.6561	0.18285
100	42.218	43.61	44.789	0.77802	40.861	43.645	45.907	1.3546	-1.3572	0.03561	1.118	0.72042

Device Test: 20.104 _THRESHOLD|RISE/SW/14////@HIGHSIDE_CURR_LIM_9A





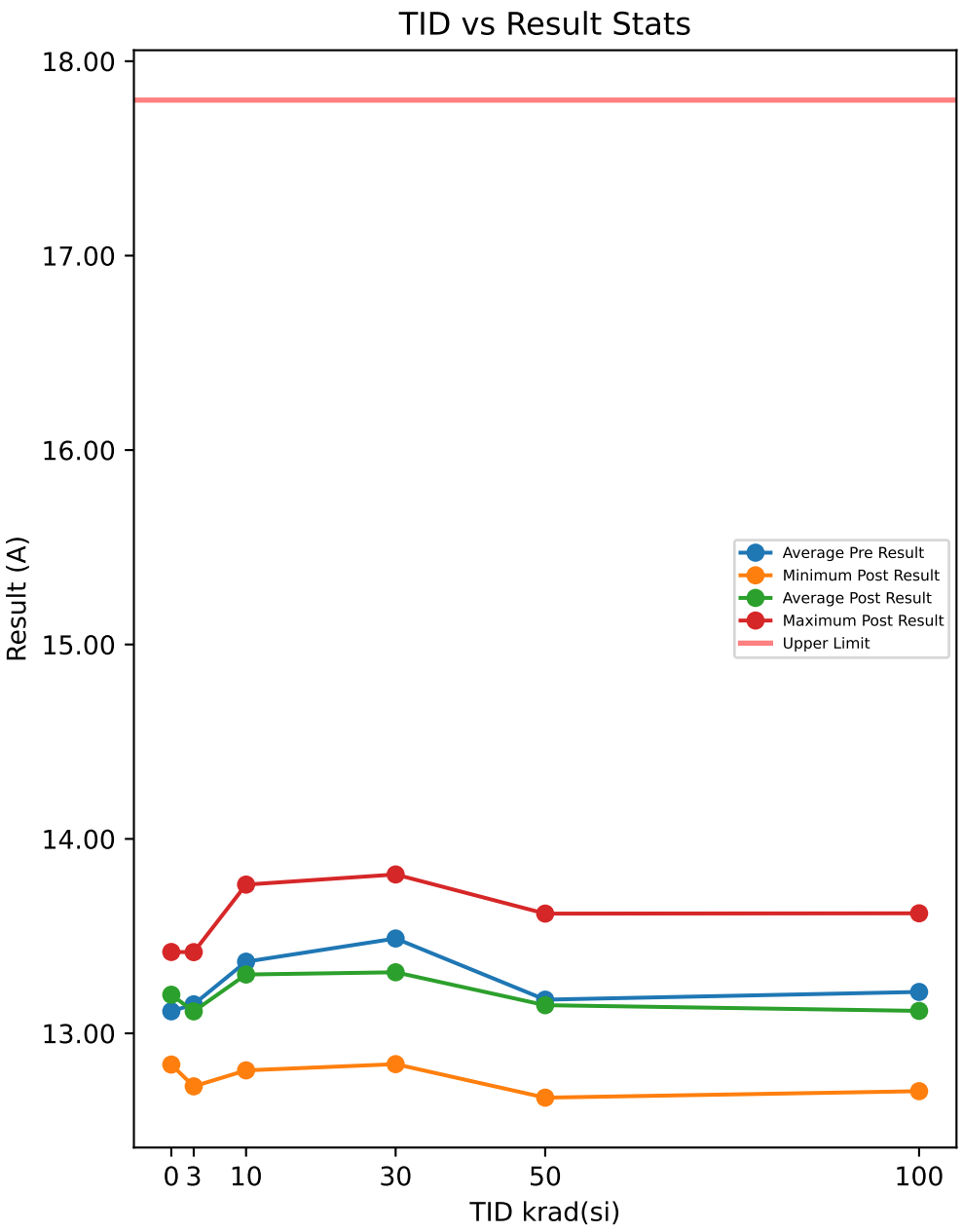
Test Results (Upper Limit = 11.9 (A))

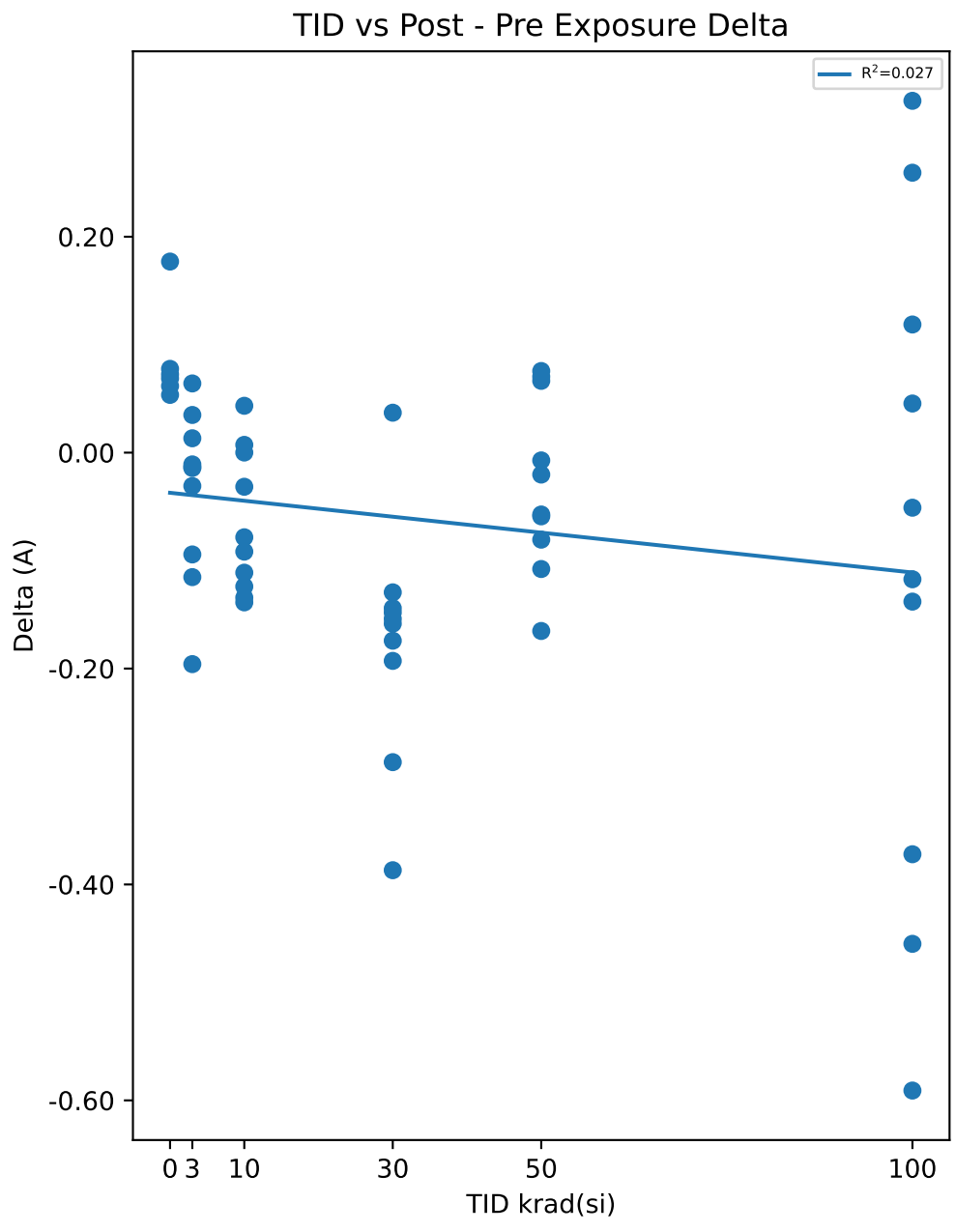
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	LDR Biased	8.7813	8.8287	0.0474
2	3	LDR Biased	9.2896	9.1533	-0.1363
3	3	LDR Biased	8.9973	8.8647	-0.1326
4	3	LDR Biased	9.158	9.2079	0.0499
5	3	LDR Biased	9.2956	9.2977	0.0021
6	10	LDR Biased	9.2914	9.2027	-0.0887
7	10	LDR Biased	9.4354	9.4362	0.0008
8	10	LDR Biased	8.8888	8.6679	-0.2209
9	10	LDR Biased	9.2532	9.1123	-0.1409
10	10	LDR Biased	9.2473	9.1347	-0.1126
11	30	LDR Biased	9.0907	8.8898	-0.2009
12	30	LDR Biased	9.0765	8.9724	-0.1041
13	30	LDR Biased	9.2872	9.175	-0.1122
14	30	LDR Biased	9.2084	9.1175	-0.0909
15	30	LDR Biased	9.7476	9.4767	-0.2709
16	50	LDR Biased	9.3852	9.2795	-0.1057
17	50	LDR Biased	9.2826	9.1721	-0.1105
18	50	LDR Biased	9.1551	9.0116	-0.1435
19	50	LDR Biased	8.8555	8.8219	-0.0336
20	50	LDR Biased	8.8761	8.8484	-0.0277
21	100	LDR Biased	9.2184	9.1996	-0.0188
22	100	LDR Biased	9.4016	8.8703	-0.5313
23	100	LDR Biased	9.2393	9.2414	0.0021
24	100	LDR Biased	8.7713	8.8262	0.0549
25	100	LDR Biased	9.0037	8.6641	-0.3396
26	3	LDR Unbiased	8.9598	9.0909	0.1311
27	3	LDR Unbiased	9.2742	9.254	-0.0202
28	3	LDR Unbiased	9.1881	9.246	0.0579
29	3	LDR Unbiased	8.748	8.7565	0.0085
30	3	LDR Unbiased	8.9535	9.0004	0.0469
31	10	LDR Unbiased	9.2618	9.2981	0.0363
32	10	LDR Unbiased	9.4308	9.3535	-0.0773
33	10	LDR Unbiased	9.1533	9.2406	0.0873
34	10	LDR Unbiased	8.752	8.9254	0.1734
35	10	LDR Unbiased	9.5522	9.4877	-0.0645
36	30	LDR Unbiased	9.3147	9.2858	-0.0289
37	30	LDR Unbiased	9.3072	9.2748	-0.0324
38	30	LDR Unbiased	9.3928	9.2519	-0.1409
39	30	LDR Unbiased	9.4167	9.2395	-0.1772
40	30	LDR Unbiased	9.348	9.1617	-0.1863
41	50	LDR Unbiased	8.9557	9.0129	0.0572
42	50	LDR Unbiased	9.2805	9.3657	0.0852
43	50	LDR Unbiased	8.8419	8.7681	-0.0738
44	50	LDR Unbiased	9.4599	9.4514	-0.0085
45	50	LDR Unbiased	9.1087	9.1429	0.0342
46	100	LDR Unbiased	8.9577	8.7207	-0.237
47	100	LDR Unbiased	8.9725	8.988	0.0155
48	100	LDR Unbiased	9.1047	8.8473	-0.2574
49	100	LDR Unbiased	9.1409	9.2682	0.1273
50	100	LDR Unbiased	9.0671	9.2577	0.1906
60	0	Correlation	9.013	9.1281	0.1151
61	0	Correlation	8.9774	9.1322	0.1548
62	0	Correlation	9.1179	9.1803	0.0624
63	0	Correlation	9.1463	9.1818	0.0355
64	0	Correlation	8.9249	8.9157	-0.0092
65	0	Correlation	8.7952	8.8727	0.0775

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	8.7952	8.9958	9.1463	0.1292	8.8727	9.0685	9.1818	0.13757	-0.0092	0.072683	0.1548	0.057894
3	8.748	9.0645	9.2956	0.20555	8.7565	9.07	9.2977	0.19623	-0.1363	0.00547	0.1311	0.08421
10	8.752	9.2266	9.5522	0.24554	8.6679	9.1859	9.4877	0.24538	-0.2209	-0.04071	0.1734	0.11632
30	9.0765	9.319	9.7476	0.1897	8.8898	9.1845	9.4767	0.1661	-0.2709	-0.13447	-0.0289	0.076347
50	8.8419	9.1201	9.4599	0.2293	8.7681	9.0875	9.4514	0.23522	-0.1435	-0.03267	0.0852	0.076316
100	8.7713	9.0877	9.4016	0.17622	8.6641	8.9884	9.2682	0.23486	-0.5313	-0.09937	0.1906	0.23032

Device Test: 20.105 _THRESHOLD|RISE/SW/14////@HIGHSIDE_CURR_LIM_13A





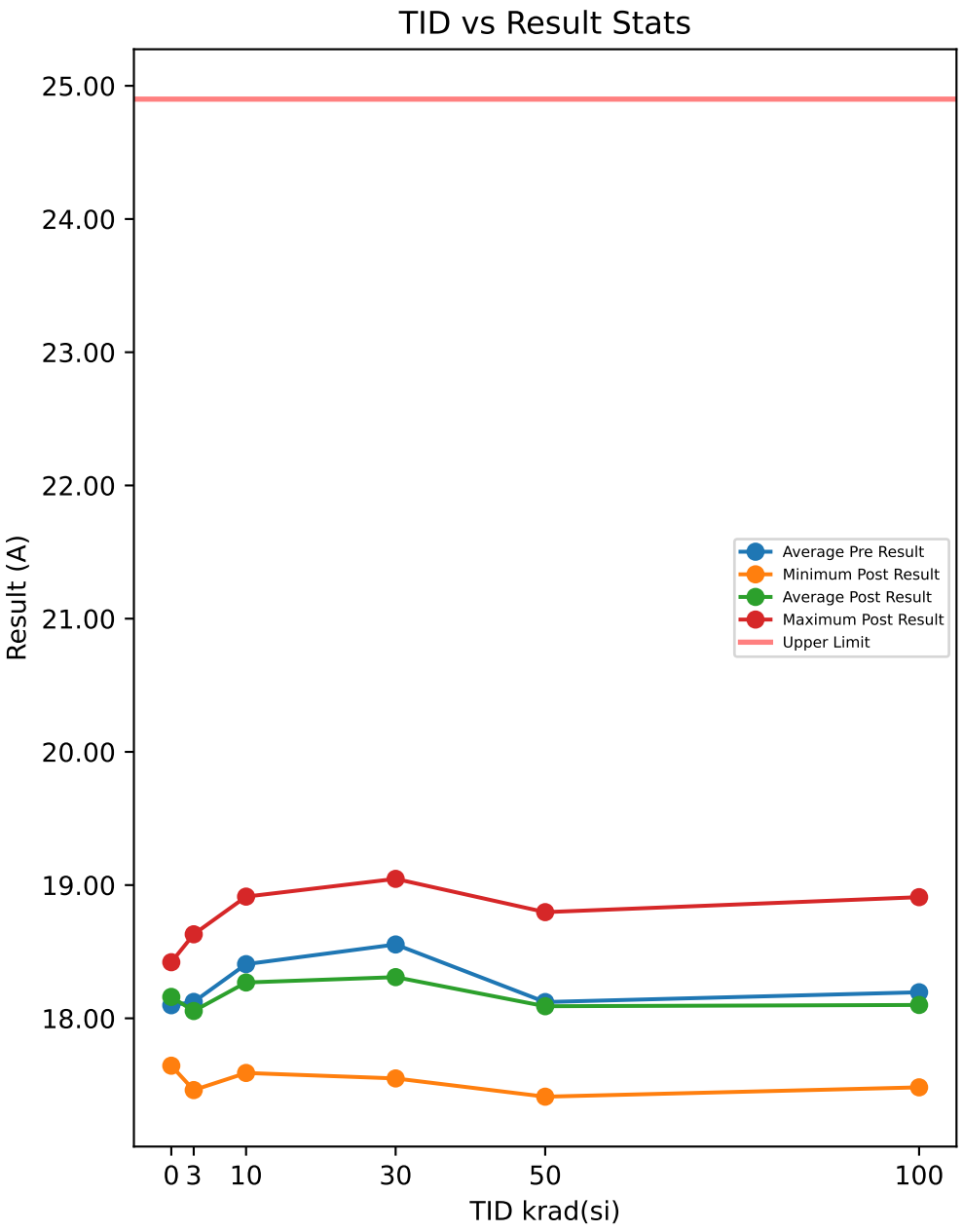
Test Results (Upper Limit = 17.8 (A))

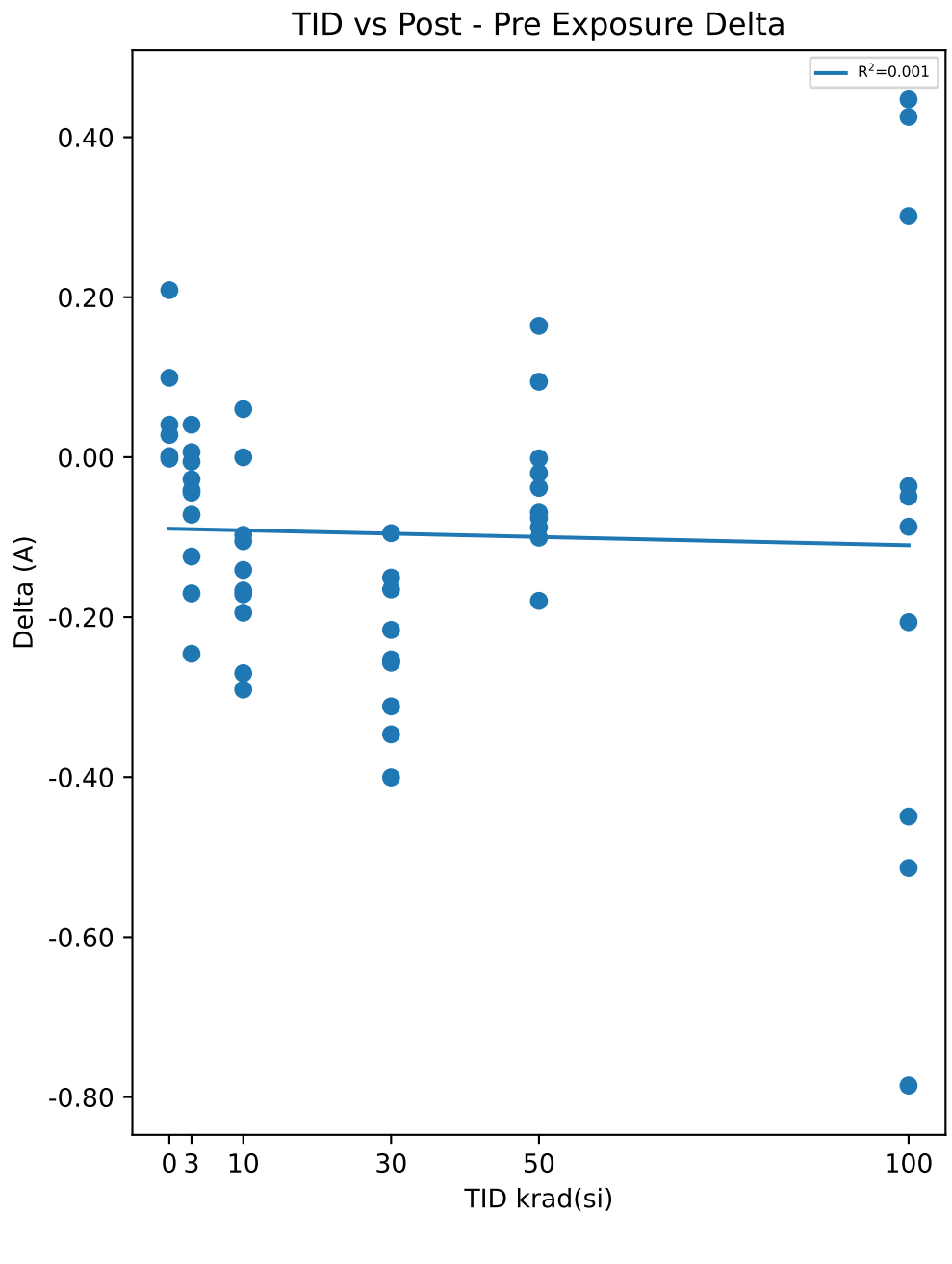
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	LDR Biased	12.793	12.857	0.0641
2	3	LDR Biased	13.488	13.394	-0.0943
3	3	LDR Biased	12.977	12.963	-0.0142
4	3	LDR Biased	13.218	13.205	-0.0134
5	3	LDR Biased	13.404	13.418	0.0133
6	10	LDR Biased	13.544	13.41	-0.1343
7	10	LDR Biased	13.707	13.629	-0.0784
8	10	LDR Biased	12.908	12.817	-0.0917
9	10	LDR Biased	13.219	13.095	-0.124
10	10	LDR Biased	13.533	13.394	-0.1387
11	30	LDR Biased	13.128	12.841	-0.2867
12	30	LDR Biased	13.153	13.024	-0.1294
13	30	LDR Biased	13.694	13.307	-0.3868
14	30	LDR Biased	13.337	13.189	-0.1481
15	30	LDR Biased	13.971	13.817	-0.1539
16	50	LDR Biased	13.54	13.432	-0.1078
17	50	LDR Biased	13.482	13.317	-0.1652
18	50	LDR Biased	13.156	13.149	-0.0072
19	50	LDR Biased	12.825	12.744	-0.0806
20	50	LDR Biased	12.945	12.924	-0.0203
21	100	LDR Biased	13.358	13.404	0.0455
22	100	LDR Biased	13.463	12.872	-0.5909
23	100	LDR Biased	13.46	13.578	0.1187
24	100	LDR Biased	12.97	12.832	-0.138
25	100	LDR Biased	13.223	12.851	-0.372
26	3	LDR Unbiased	13.132	13.017	-0.1153
27	3	LDR Unbiased	13.332	13.301	-0.0309
28	3	LDR Unbiased	13.387	13.192	-0.1959
29	3	LDR Unbiased	12.692	12.727	0.0349
30	3	LDR Unbiased	13.067	13.056	-0.0109
31	10	LDR Unbiased	13.348	13.348	0.0001
32	10	LDR Unbiased	13.661	13.55	-0.1112
33	10	LDR Unbiased	13.165	13.209	0.0434
34	10	LDR Unbiased	12.802	12.809	0.0072
35	10	LDR Unbiased	13.797	13.765	-0.0316
36	30	LDR Unbiased	13.59	13.445	-0.1441
37	30	LDR Unbiased	13.503	13.329	-0.1742
38	30	LDR Unbiased	13.457	13.299	-0.1584
39	30	LDR Unbiased	13.622	13.43	-0.1929
40	30	LDR Unbiased	13.422	13.459	0.037
41	50	LDR Unbiased	12.854	12.925	0.0704
42	50	LDR Unbiased	13.354	13.429	0.0756
43	50	LDR Unbiased	12.726	12.669	-0.0573
44	50	LDR Unbiased	13.675	13.616	-0.059
45	50	LDR Unbiased	13.176	13.243	0.0665
46	100	LDR Unbiased	12.998	12.881	-0.1173
47	100	LDR Unbiased	13.007	12.956	-0.051
48	100	LDR Unbiased	13.157	12.702	-0.455
49	100	LDR Unbiased	13.291	13.617	0.3259
50	100	LDR Unbiased	13.202	13.461	0.2593
60	0	Correlation	13.155	13.332	0.177
61	0	Correlation	13.136	13.213	0.0776
62	0	Correlation	13.316	13.369	0.0535
63	0	Correlation	13.357	13.418	0.0617
64	0	Correlation	12.945	13.018	0.0725
65	0	Correlation	12.771	12.839	0.0688

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	12.771	13.113	13.357	0.22287	12.839	13.198	13.418	0.22691	0.0535	0.085183	0.177	0.045765
3	12.692	13.149	13.488	0.2681	12.727	13.113	13.418	0.22869	-0.1959	-0.03626	0.0641	0.077727
10	12.802	13.368	13.797	0.33961	12.809	13.303	13.765	0.32224	-0.1387	-0.06592	0.0434	0.065871
30	13.128	13.488	13.971	0.25251	12.841	13.314	13.817	0.26427	-0.3868	-0.17375	0.037	0.10907
50	12.726	13.173	13.675	0.33156	12.669	13.145	13.616	0.3177	-0.1652	-0.02849	0.0756	0.081386
100	12.97	13.213	13.463	0.1832	12.702	13.115	13.617	0.35431	-0.5909	-0.09748	0.3259	0.30268

Device Test: 20.106 _THRESHOLD|RISE/SW/14////@HIGHSIDE_CURR_LIM_19A





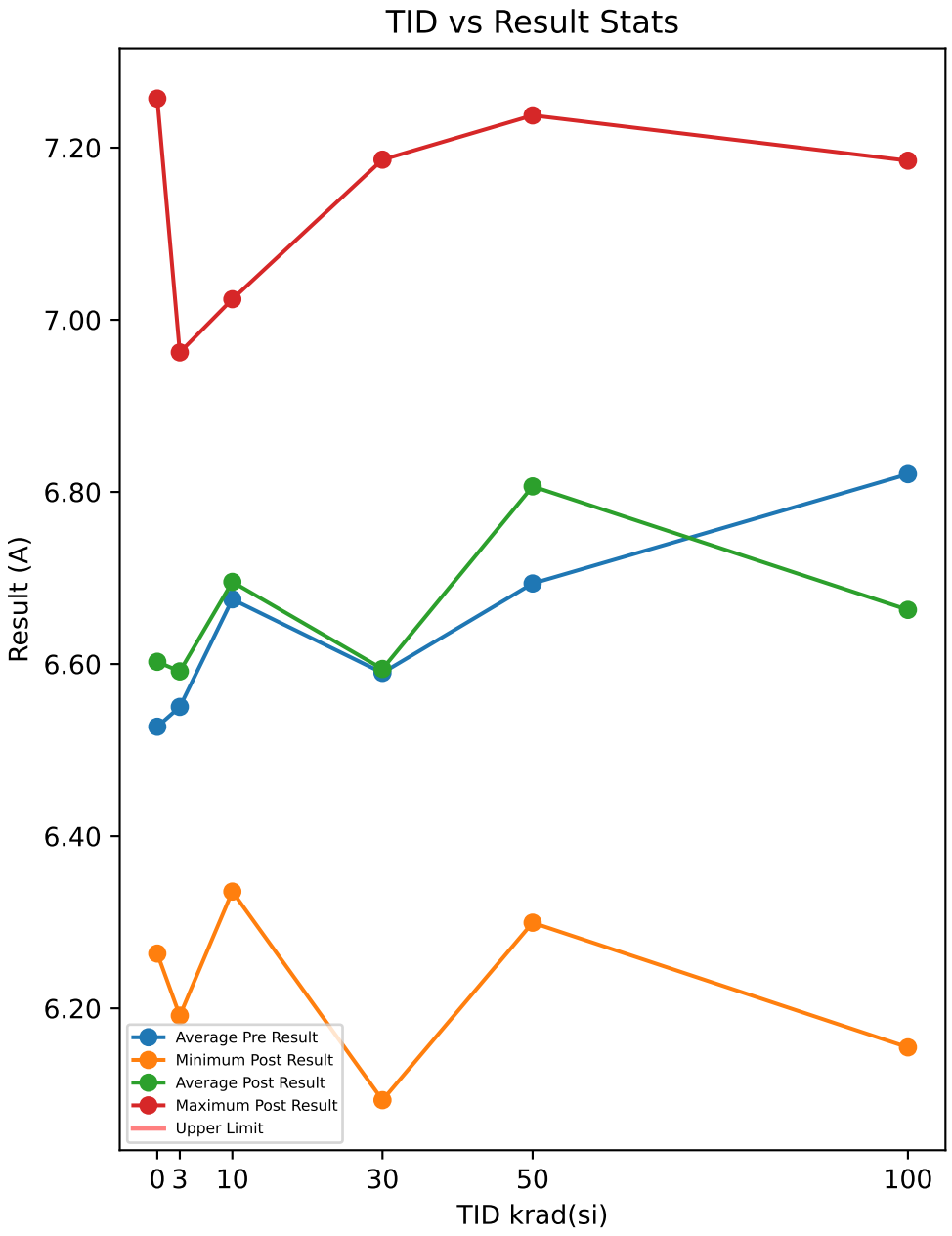
Test Results (Upper Limit = 24.9 (A))

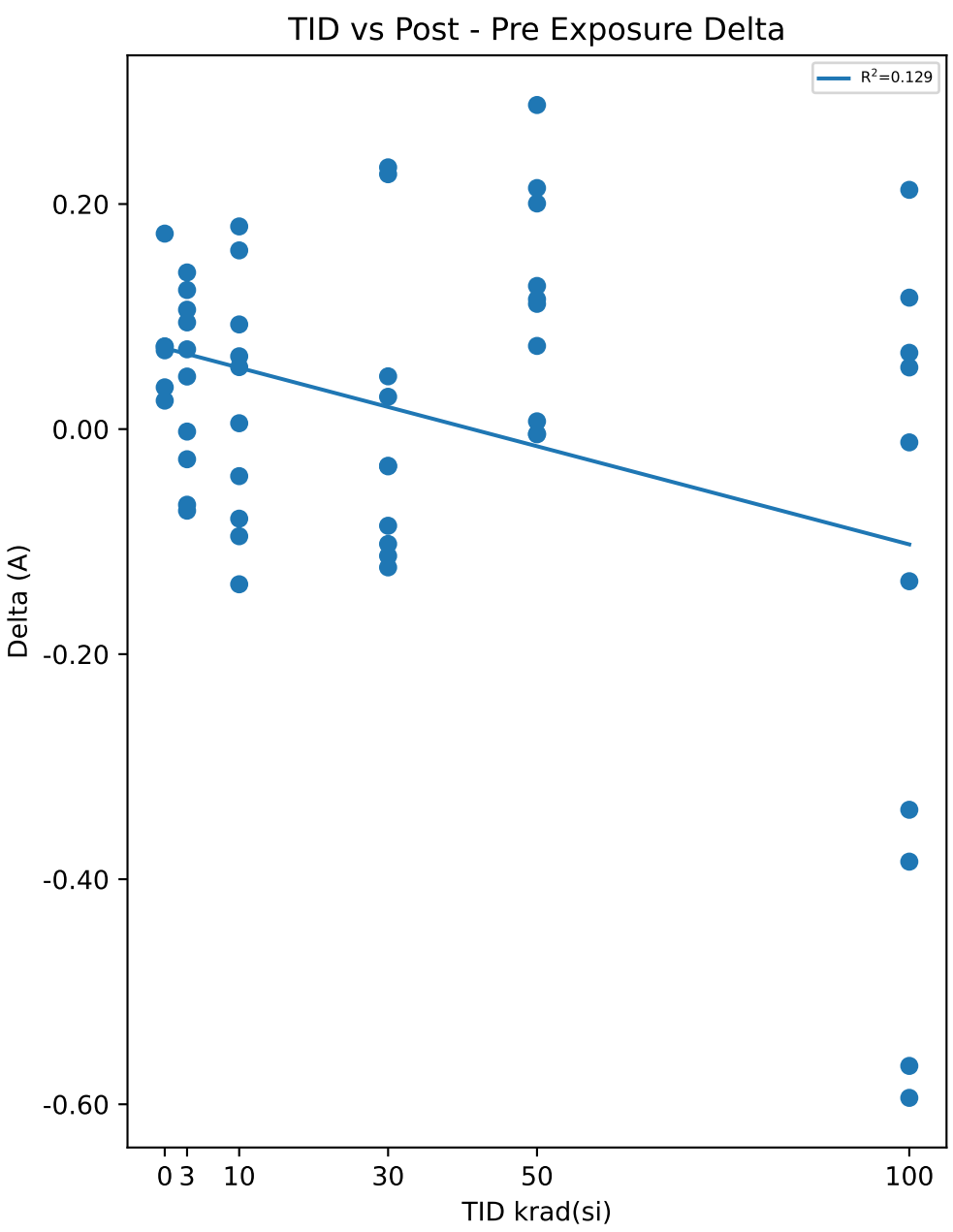
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	LDR Biased	17.704	17.71	0.0063
2	3	LDR Biased	18.623	18.377	-0.2458
3	3	LDR Biased	17.963	17.839	-0.1242
4	3	LDR Biased	18.157	18.197	0.0406
5	3	LDR Biased	18.675	18.631	-0.0443
6	10	LDR Biased	18.63	18.339	-0.2906
7	10	LDR Biased	18.838	18.672	-0.1668
8	10	LDR Biased	17.927	17.657	-0.2701
9	10	LDR Biased	18.105	17.91	-0.1945
10	10	LDR Biased	18.653	18.512	-0.141
11	30	LDR Biased	17.949	17.549	-0.4004
12	30	LDR Biased	18.116	17.951	-0.1654
13	30	LDR Biased	18.689	18.433	-0.2565
14	30	LDR Biased	18.25	18.099	-0.1506
15	30	LDR Biased	19.263	19.047	-0.216
16	50	LDR Biased	18.72	18.681	-0.0383
17	50	LDR Biased	18.424	18.337	-0.0877
18	50	LDR Biased	18.161	18.061	-0.1006
19	50	LDR Biased	17.625	17.556	-0.0695
20	50	LDR Biased	17.761	17.856	0.0943
21	100	LDR Biased	18.47	18.433	-0.0363
22	100	LDR Biased	18.536	17.75	-0.7856
23	100	LDR Biased	18.608	18.909	0.3013
24	100	LDR Biased	17.811	17.761	-0.0495
25	100	LDR Biased	18.198	17.748	-0.4492
26	3	LDR Unbiased	17.994	17.953	-0.0412
27	3	LDR Unbiased	18.3	18.13	-0.1704
28	3	LDR Unbiased	18.36	18.288	-0.0719
29	3	LDR Unbiased	17.467	17.461	-0.0057
30	3	LDR Unbiased	17.988	17.96	-0.0277
31	10	LDR Unbiased	18.357	18.357	-0.0002
32	10	LDR Unbiased	18.831	18.659	-0.1715
33	10	LDR Unbiased	18.02	18.08	0.0601
34	10	LDR Unbiased	17.687	17.59	-0.0971
35	10	LDR Unbiased	19.019	18.913	-0.1051
36	30	LDR Unbiased	18.556	18.461	-0.095
37	30	LDR Unbiased	18.669	18.323	-0.3466
38	30	LDR Unbiased	18.571	18.318	-0.2529
39	30	LDR Unbiased	18.904	18.592	-0.3116
40	30	LDR Unbiased	18.574	18.317	-0.2568
41	50	LDR Unbiased	17.573	17.738	0.1643
42	50	LDR Unbiased	18.423	18.403	-0.0199
43	50	LDR Unbiased	17.488	17.412	-0.0761
44	50	LDR Unbiased	18.798	18.797	-0.0015
45	50	LDR Unbiased	18.247	18.067	-0.1797
46	100	LDR Unbiased	17.92	17.714	-0.2063
47	100	LDR Unbiased	17.835	17.748	-0.087
48	100	LDR Unbiased	17.995	17.482	-0.5136
49	100	LDR Unbiased	18.356	18.804	0.4472
50	100	LDR Unbiased	18.227	18.652	0.4253
60	0	Correlation	18.367	18.395	0.0278
61	0	Correlation	18.055	18.264	0.2088
62	0	Correlation	18.22	18.32	0.0992
63	0	Correlation	18.423	18.421	-0.0019
64	0	Correlation	17.919	17.921	0.0013
65	0	Correlation	17.604	17.644	0.0406

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	17.604	18.098	18.423	0.307	17.644	18.161	18.421	0.3108	-0.0019	0.062633	0.2088	0.080408
3	17.467	18.123	18.675	0.38156	17.461	18.055	18.631	0.34208	-0.2458	-0.06843	0.0406	0.087794
10	17.687	18.406	19.019	0.45247	17.59	18.269	18.913	0.44742	-0.2906	-0.13768	0.0601	0.10897
30	17.949	18.554	19.263	0.38112	17.549	18.309	19.047	0.39636	-0.4004	-0.24518	-0.095	0.092993
50	17.488	18.122	18.798	0.48226	17.412	18.091	18.797	0.46351	-0.1797	-0.03147	0.1643	0.099204
100	17.811	18.196	18.608	0.29485	17.482	18.1	18.909	0.53566	-0.7856	-0.09537	0.4472	0.4106

Device Test: 20.107 _THRESHOLD|RISE/SW/14////@HIGHSIDE_CURR_LIM2_6A





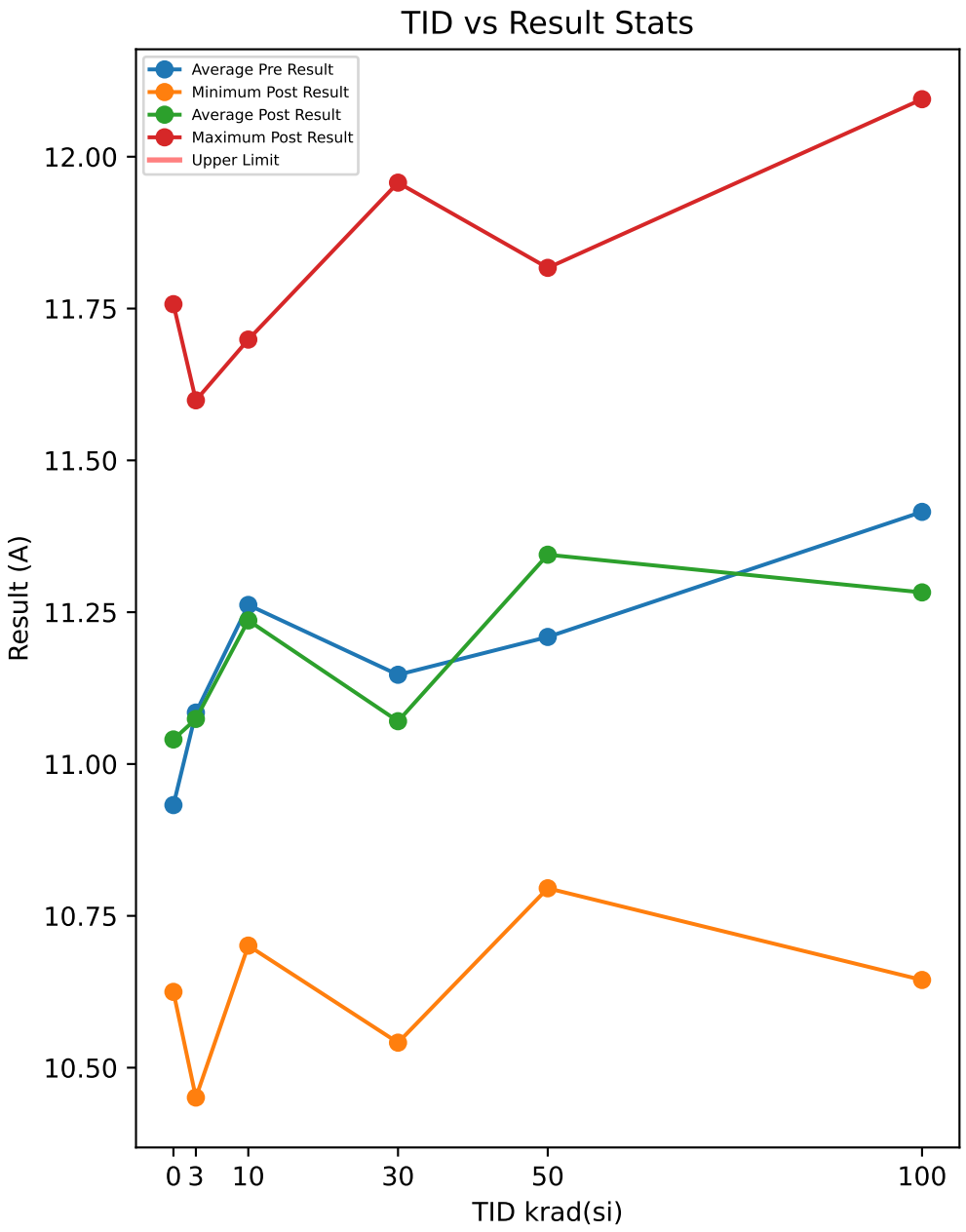
Test Results (No Limits Specified (A))

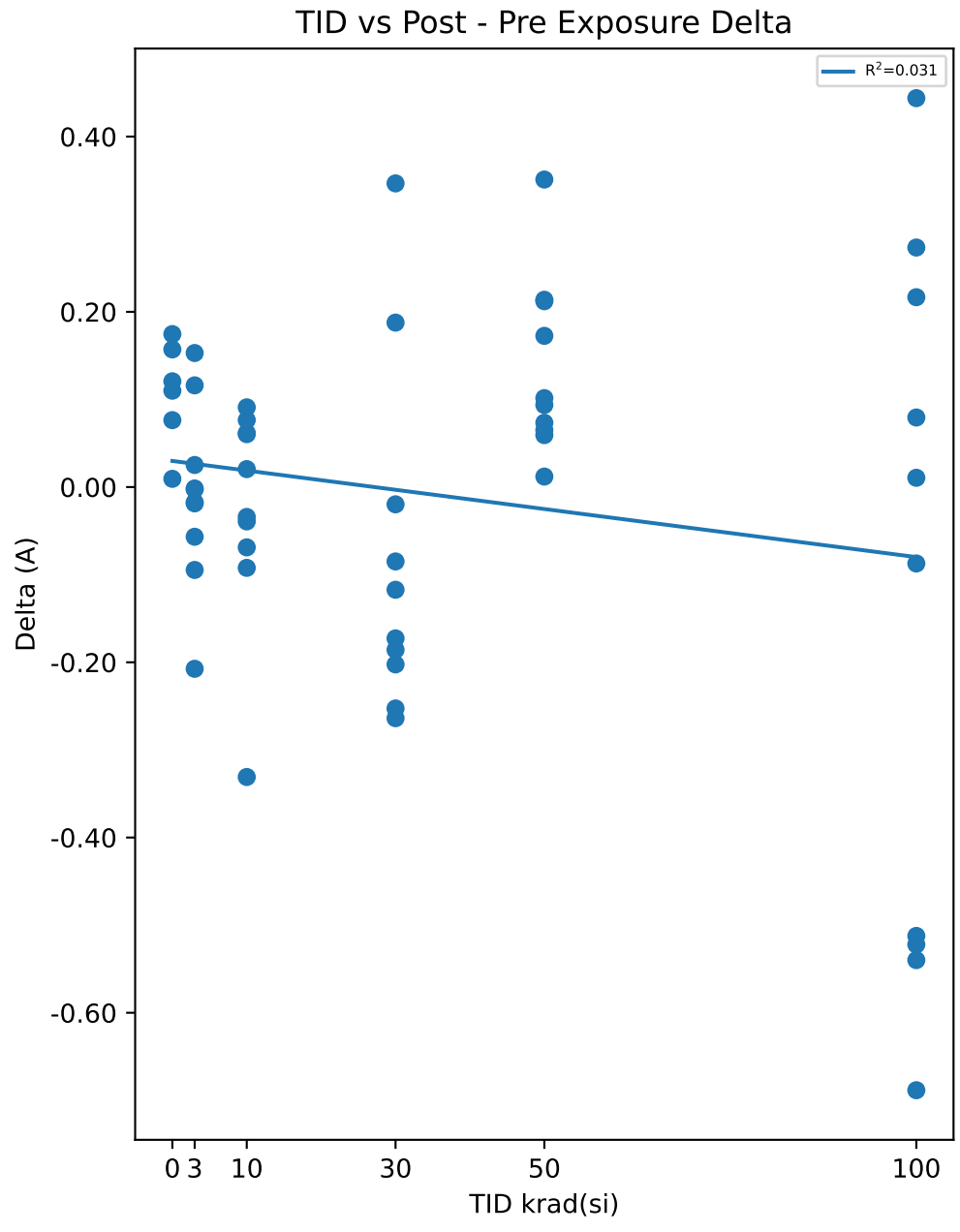
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	LDR Biased	6.1338	6.2047	0.0709
2	3	LDR Biased	6.5119	6.6067	0.0948
3	3	LDR Biased	6.3691	6.3019	-0.0672
4	3	LDR Biased	6.9889	6.9621	-0.0268
5	3	LDR Biased	6.8374	6.8352	-0.0022
6	10	LDR Biased	6.252	6.4321	0.1801
7	10	LDR Biased	7.0249	6.9831	-0.0418
8	10	LDR Biased	6.8774	6.7395	-0.1379
9	10	LDR Biased	6.8224	6.7428	-0.0796
10	10	LDR Biased	6.4327	6.4878	0.0551
11	30	LDR Biased	6.8788	6.9075	0.0287
12	30	LDR Biased	6.5473	6.5942	0.0469
13	30	LDR Biased	6.2761	6.243	-0.0331
14	30	LDR Biased	6.2162	6.0933	-0.1229
15	30	LDR Biased	6.6914	6.6588	-0.0326
16	50	LDR Biased	6.6335	6.6404	0.0069
17	50	LDR Biased	6.3692	6.4964	0.1272
18	50	LDR Biased	7.2418	7.2375	-0.0043
19	50	LDR Biased	6.5777	6.6931	0.1154
20	50	LDR Biased	6.3041	6.2995	-0.0046
21	100	LDR Biased	6.8746	6.9424	0.0678
22	100	LDR Biased	7.3447	6.7504	-0.5943
23	100	LDR Biased	6.2854	6.3402	0.0548
24	100	LDR Biased	6.2681	6.2563	-0.0118
25	100	LDR Biased	7.0806	6.6962	-0.3844
26	3	LDR Unbiased	6.0679	6.1915	0.1236
27	3	LDR Unbiased	6.8519	6.958	0.1061
28	3	LDR Unbiased	6.9878	6.9153	-0.0725
29	3	LDR Unbiased	6.1094	6.2486	0.1392
30	3	LDR Unbiased	6.6442	6.6909	0.0467
31	10	LDR Unbiased	6.8345	6.8992	0.0647
32	10	LDR Unbiased	6.3305	6.3357	0.0052
33	10	LDR Unbiased	6.5717	6.7305	0.1588
34	10	LDR Unbiased	6.4872	6.5802	0.093
35	10	LDR Unbiased	7.1191	7.0239	-0.0952
36	30	LDR Unbiased	6.7504	6.6645	-0.0859
37	30	LDR Unbiased	6.4004	6.2983	-0.1021
38	30	LDR Unbiased	6.9535	7.1861	0.2326
39	30	LDR Unbiased	6.6294	6.5167	-0.1127
40	30	LDR Unbiased	6.5541	6.7806	0.2265
41	50	LDR Unbiased	6.9163	7.1168	0.2005
42	50	LDR Unbiased	6.8339	6.9452	0.1113
43	50	LDR Unbiased	6.5624	6.7766	0.2142
44	50	LDR Unbiased	6.8519	6.9258	0.0739
45	50	LDR Unbiased	6.6457	6.9337	0.288
46	100	LDR Unbiased	6.4929	6.1546	-0.3383
47	100	LDR Unbiased	6.919	6.7838	-0.1352
48	100	LDR Unbiased	6.9618	6.3959	-0.5659
49	100	LDR Unbiased	7.0681	7.1849	0.1168
50	100	LDR Unbiased	6.9124	7.125	0.2126
60	0	Correlation	6.5598	6.5969	0.0371
61	0	Correlation	6.2335	6.4072	0.1737
62	0	Correlation	6.5396	6.6131	0.0735
63	0	Correlation	7.1871	7.2571	0.07
64	0	Correlation	6.1903	6.2636	0.0733
65	0	Correlation	6.4526	6.4779	0.0253

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	6.1903	6.5271	7.1871	0.35833	6.2636	6.6026	7.2571	0.34559	0.0253	0.075483	0.1737	0.052301
3	6.0679	6.5502	6.9889	0.36528	6.1915	6.5915	6.9621	0.3261	-0.0725	0.04126	0.1392	0.078582
10	6.252	6.6752	7.1191	0.30001	6.3357	6.6955	7.0239	0.23398	-0.1379	0.02024	0.1801	0.10833
30	6.2162	6.5898	6.9535	0.24277	6.0933	6.5943	7.1861	0.32663	-0.1229	0.00454	0.2326	0.13165
50	6.3041	6.6936	7.2418	0.27656	6.2995	6.8065	7.2375	0.28407	-0.0046	0.11285	0.288	0.099503
100	6.2681	6.8208	7.3447	0.35646	6.1546	6.663	7.1849	0.36311	-0.5943	-0.15779	0.2126	0.29279

Device Test: 20.108 _THRESHOLD|RISE/SW/14////@HIGHSIDE_CURR_LIM2_9A





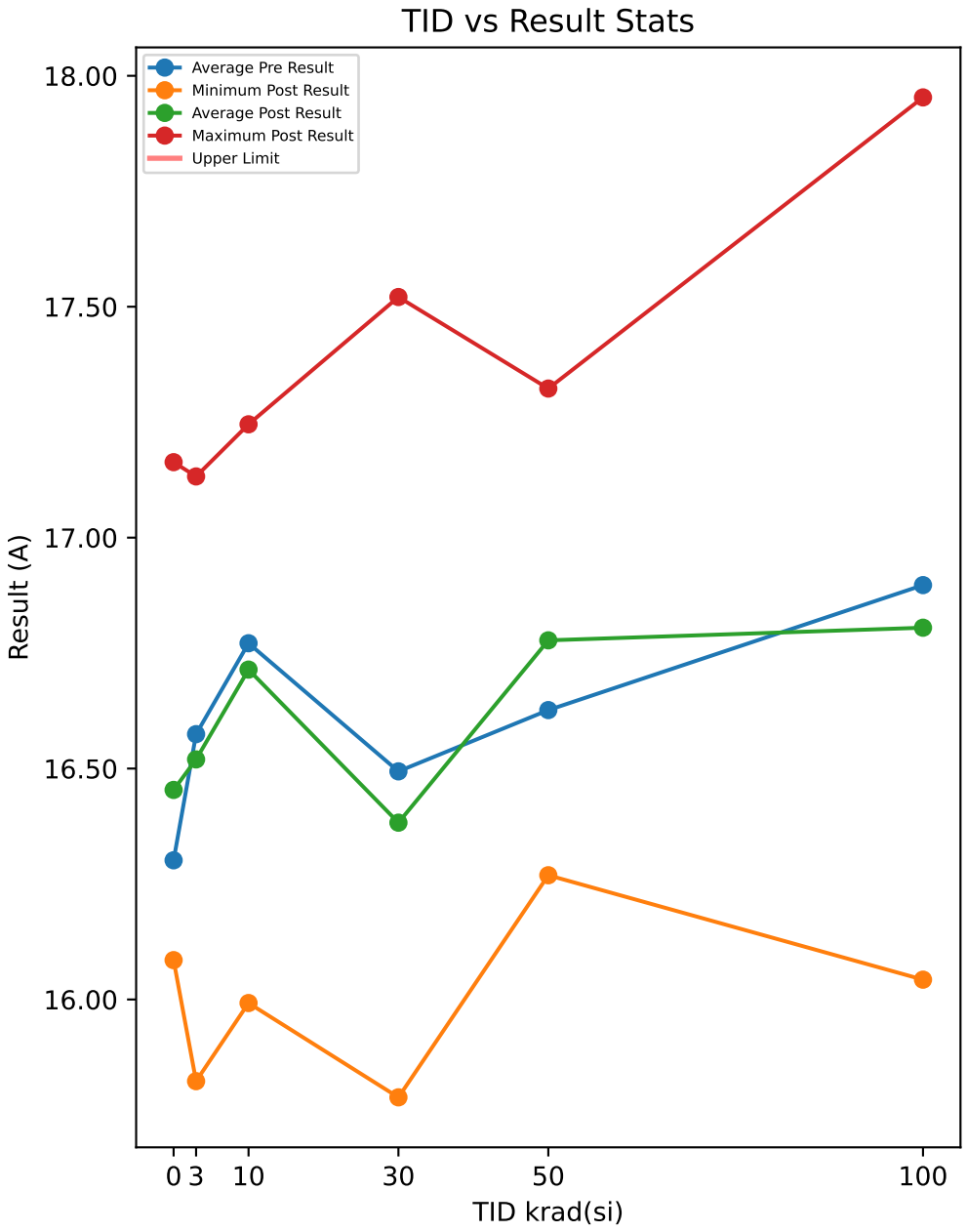
Test Results (No Limits Specified (A))

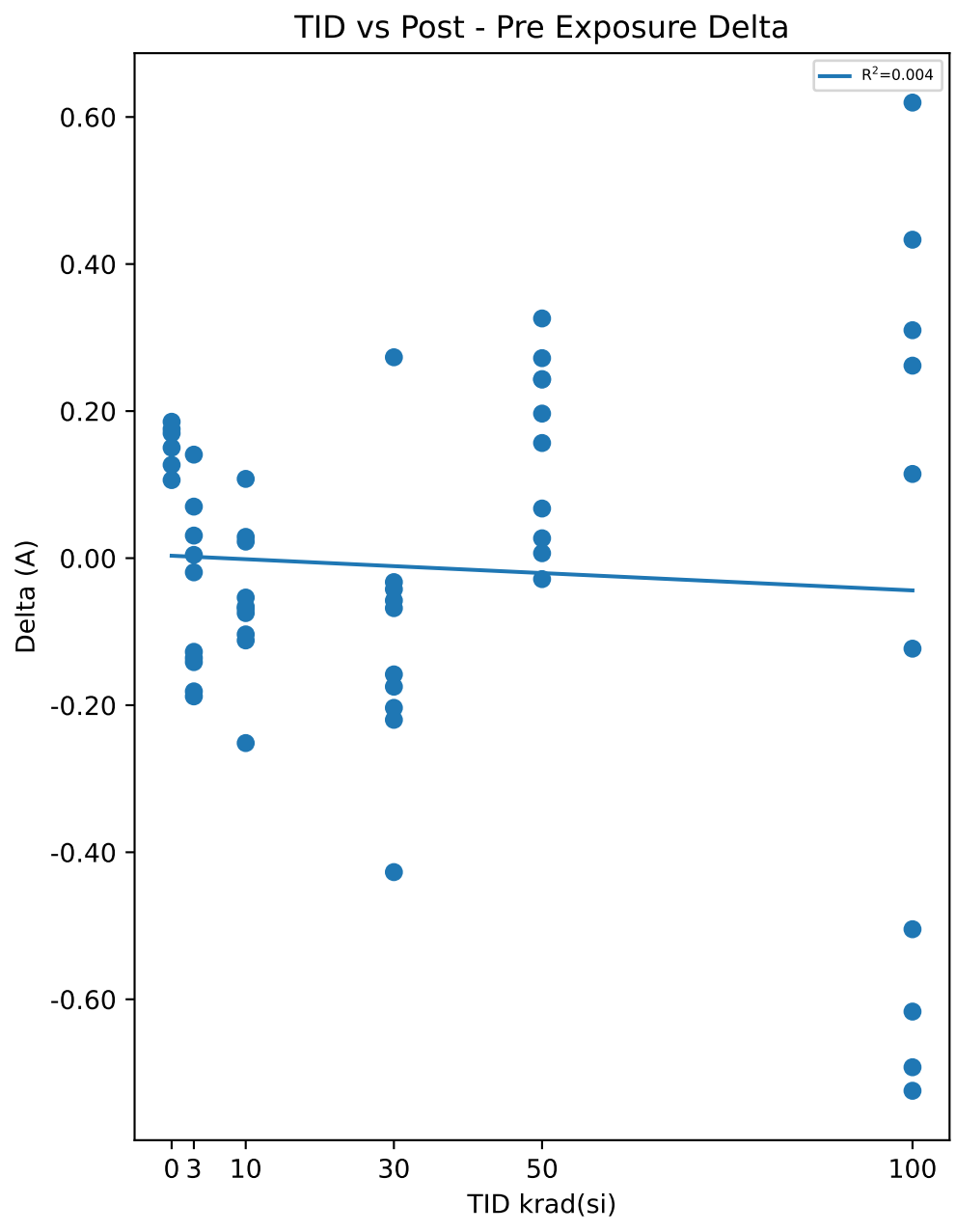
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	LDR Biased	10.579	10.695	0.1161
2	3	LDR Biased	11.1	11.083	-0.0174
3	3	LDR Biased	10.816	10.759	-0.0567
4	3	LDR Biased	11.694	11.599	-0.0946
5	3	LDR Biased	11.397	11.189	-0.2074
6	10	LDR Biased	10.752	10.812	0.0604
7	10	LDR Biased	11.684	11.592	-0.0922
8	10	LDR Biased	11.568	11.237	-0.3309
9	10	LDR Biased	11.341	11.272	-0.0688
10	10	LDR Biased	10.903	10.965	0.0617
11	30	LDR Biased	11.625	11.423	-0.2024
12	30	LDR Biased	11.283	11.11	-0.1727
13	30	LDR Biased	10.712	10.595	-0.1172
14	30	LDR Biased	10.727	10.541	-0.1858
15	30	LDR Biased	11.119	11.034	-0.0849
16	50	LDR Biased	10.912	11.006	0.0937
17	50	LDR Biased	11.12	11.132	0.012
18	50	LDR Biased	11.622	11.687	0.065
19	50	LDR Biased	11.21	11.27	0.0593
20	50	LDR Biased	10.623	10.795	0.1726
21	100	LDR Biased	11.539	11.619	0.0794
22	100	LDR Biased	12.005	11.317	-0.6884
23	100	LDR Biased	10.889	11.106	0.2167
24	100	LDR Biased	10.861	10.872	0.0106
25	100	LDR Biased	11.869	11.329	-0.5399
26	3	LDR Unbiased	10.456	10.609	0.153
27	3	LDR Unbiased	11.529	11.527	-0.0016
28	3	LDR Unbiased	11.513	11.538	0.0252
29	3	LDR Unbiased	10.469	10.451	-0.0186
30	3	LDR Unbiased	11.295	11.292	-0.0026
31	10	LDR Unbiased	11.598	11.564	-0.0341
32	10	LDR Unbiased	10.74	10.701	-0.0392
33	10	LDR Unbiased	11.152	11.243	0.091
34	10	LDR Unbiased	11.202	11.278	0.0765
35	10	LDR Unbiased	11.678	11.699	0.0205
36	30	LDR Unbiased	11.34	11.321	-0.0197
37	30	LDR Unbiased	10.943	10.679	-0.2638
38	30	LDR Unbiased	11.611	11.957	0.3466
39	30	LDR Unbiased	11.082	10.829	-0.2527
40	30	LDR Unbiased	11.027	11.215	0.1877
41	50	LDR Unbiased	11.466	11.817	0.351
42	50	LDR Unbiased	11.231	11.332	0.1015
43	50	LDR Unbiased	11.198	11.411	0.2138
44	50	LDR Unbiased	11.525	11.599	0.0734
45	50	LDR Unbiased	11.185	11.397	0.2121
46	100	LDR Unbiased	11.157	10.644	-0.5123
47	100	LDR Unbiased	11.306	11.219	-0.0872
48	100	LDR Unbiased	11.385	10.863	-0.5221
49	100	LDR Unbiased	11.651	12.095	0.4439
50	100	LDR Unbiased	11.489	11.763	0.2734
60	0	Correlation	11.101	11.211	0.11
61	0	Correlation	10.615	10.625	0.0094
62	0	Correlation	10.909	11.066	0.1571
63	0	Correlation	11.681	11.757	0.0764
64	0	Correlation	10.572	10.693	0.1207
65	0	Correlation	10.716	10.891	0.1746

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	10.572	10.932	11.681	0.4163	10.625	11.04	11.757	0.4147	0.0094	0.10803	0.1746	0.059552
3	10.456	11.085	11.694	0.47079	10.451	11.074	11.599	0.42221	-0.2074	-0.01046	0.153	0.10125
10	10.74	11.262	11.684	0.37145	10.701	11.236	11.699	0.33187	-0.3309	-0.02551	0.091	0.12514
30	10.712	11.147	11.625	0.32077	10.541	11.07	11.957	0.43647	-0.2638	-0.07649	0.3466	0.19915
50	10.623	11.209	11.622	0.29396	10.795	11.345	11.817	0.31263	0.012	0.13544	0.351	0.10144
100	10.861	11.415	12.005	0.37906	10.644	11.283	12.095	0.44641	-0.6884	-0.13259	0.4439	0.40241

Device Test: 20.109 _THRESHOLD|RISE/SW/14////@HIGHSIDE_CURR_LIM2_13A





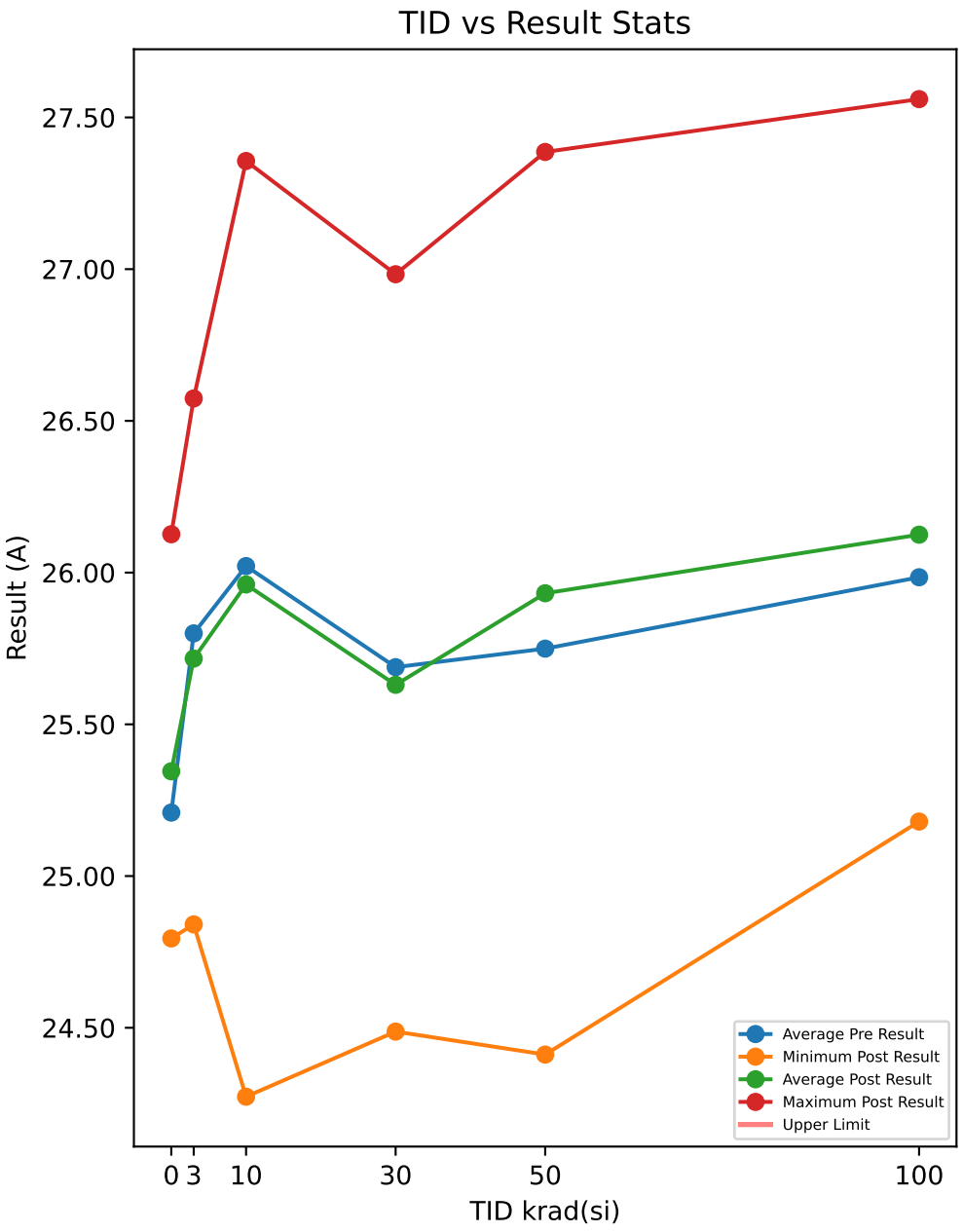
Test Results (No Limits Specified (A))

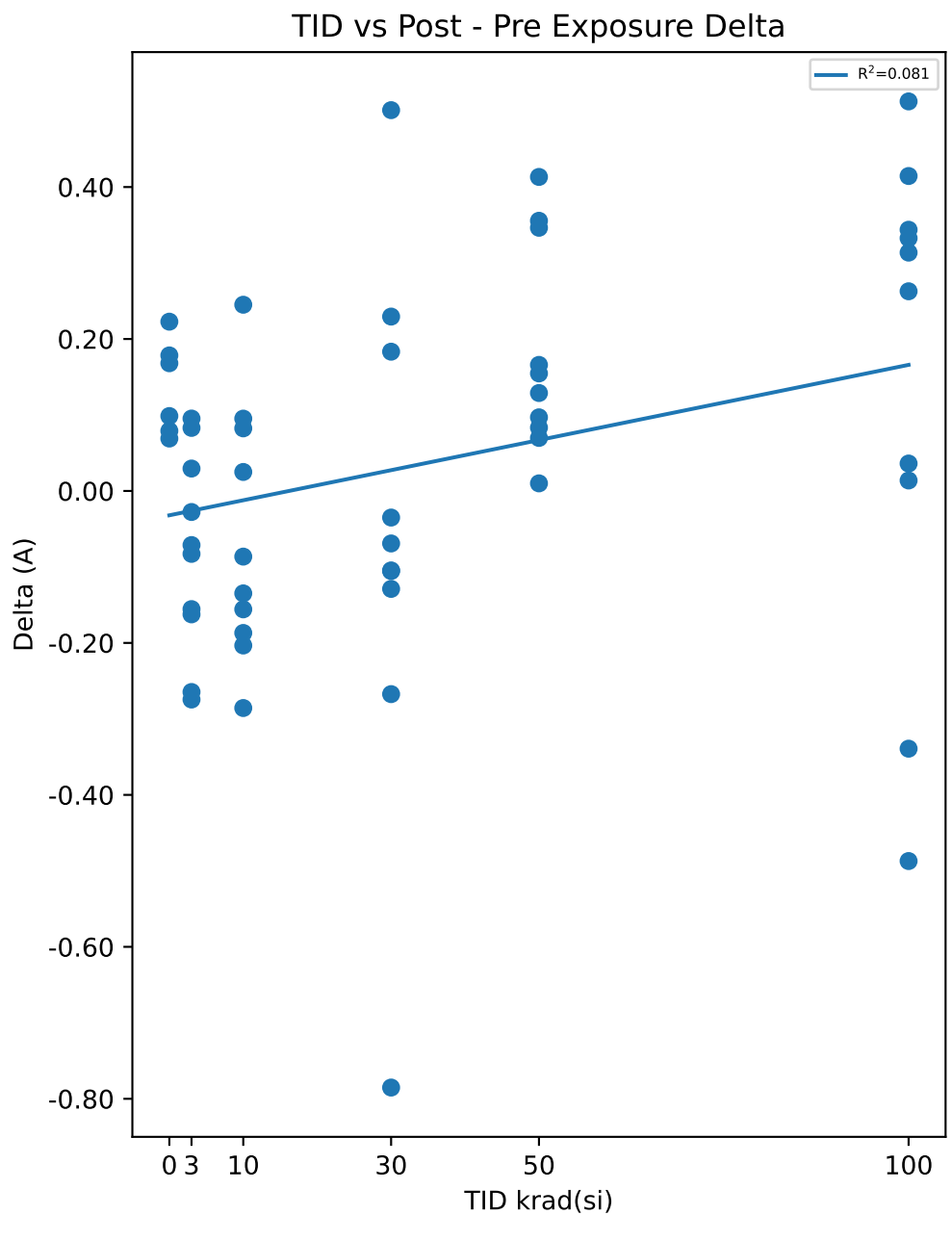
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	LDR Biased	16.041	16.112	0.0701
2	3	LDR Biased	16.707	16.526	-0.1812
3	3	LDR Biased	16.273	16.085	-0.188
4	3	LDR Biased	17.119	17.124	0.0044
5	3	LDR Biased	16.712	16.576	-0.1358
6	10	LDR Biased	15.963	15.992	0.0289
7	10	LDR Biased	17.233	17.129	-0.1037
8	10	LDR Biased	17.081	16.829	-0.2515
9	10	LDR Biased	16.764	16.711	-0.0536
10	10	LDR Biased	16.34	16.274	-0.066
11	30	LDR Biased	16.91	16.69	-0.2199
12	30	LDR Biased	16.686	16.511	-0.1748
13	30	LDR Biased	16.08	15.876	-0.2036
14	30	LDR Biased	16.034	15.966	-0.068
15	30	LDR Biased	16.42	16.363	-0.0576
16	50	LDR Biased	16.026	16.269	0.2429
17	50	LDR Biased	16.755	16.726	-0.0285
18	50	LDR Biased	16.698	16.941	0.2435
19	50	LDR Biased	16.697	16.724	0.027
20	50	LDR Biased	16.016	16.288	0.272
21	100	LDR Biased	16.917	17.179	0.2618
22	100	LDR Biased	17.468	16.743	-0.7244
23	100	LDR Biased	16.431	16.864	0.4331
24	100	LDR Biased	16.32	16.434	0.1145
25	100	LDR Biased	17.247	16.743	-0.5047
26	3	LDR Unbiased	15.881	16.022	0.1408
27	3	LDR Unbiased	17.102	17.133	0.0307
28	3	LDR Unbiased	17.239	17.098	-0.1414
29	3	LDR Unbiased	15.95	15.823	-0.1274
30	3	LDR Unbiased	16.72	16.701	-0.0193
31	10	LDR Unbiased	17.329	17.217	-0.1119
32	10	LDR Unbiased	16.159	16.091	-0.0686
33	10	LDR Unbiased	16.691	16.799	0.1078
34	10	LDR Unbiased	16.832	16.855	0.0225
35	10	LDR Unbiased	17.32	17.245	-0.0747
36	30	LDR Unbiased	16.818	16.785	-0.0326
37	30	LDR Unbiased	16.215	15.788	-0.427
38	30	LDR Unbiased	17.248	17.521	0.2732
39	30	LDR Unbiased	16.042	15.884	-0.1581
40	30	LDR Unbiased	16.488	16.446	-0.0423
41	50	LDR Unbiased	16.997	17.323	0.326
42	50	LDR Unbiased	16.417	16.485	0.0675
43	50	LDR Unbiased	16.774	16.931	0.1566
44	50	LDR Unbiased	17.311	17.318	0.0067
45	50	LDR Unbiased	16.576	16.772	0.1966
46	100	LDR Unbiased	16.66	16.043	-0.6167
47	100	LDR Unbiased	16.729	16.606	-0.1231
48	100	LDR Unbiased	16.837	16.144	-0.6924
49	100	LDR Unbiased	17.334	17.953	0.6196
50	100	LDR Unbiased	17.032	17.341	0.31
60	0	Correlation	16.735	16.842	0.1062
61	0	Correlation	15.9	16.085	0.1855
62	0	Correlation	16.061	16.231	0.1699
63	0	Correlation	16.988	17.163	0.1756
64	0	Correlation	16.053	16.204	0.1502
65	0	Correlation	16.071	16.198	0.1268

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	15.9	16.301	16.988	0.44571	16.085	16.454	17.163	0.43992	0.1062	0.15237	0.1855	0.030772
3	15.881	16.575	17.239	0.50761	15.823	16.52	17.133	0.49427	-0.188	-0.05471	0.1408	0.11498
10	15.963	16.771	17.329	0.48816	15.992	16.714	17.245	0.45353	-0.2515	-0.05708	0.1078	0.096852
30	16.034	16.494	17.248	0.41545	15.788	16.383	17.521	0.53806	-0.427	-0.11107	0.2732	0.17943
50	16.016	16.627	17.311	0.39911	16.269	16.778	17.323	0.36954	-0.0285	0.15103	0.326	0.12462
100	16.32	16.897	17.468	0.37954	16.043	16.805	17.953	0.57269	-0.7244	-0.09223	0.6196	0.50756

Device Test: 20.11 _THRESHOLD|RISE/SW/4.5////@HIGHSIDE_CURR_LIM2_19A





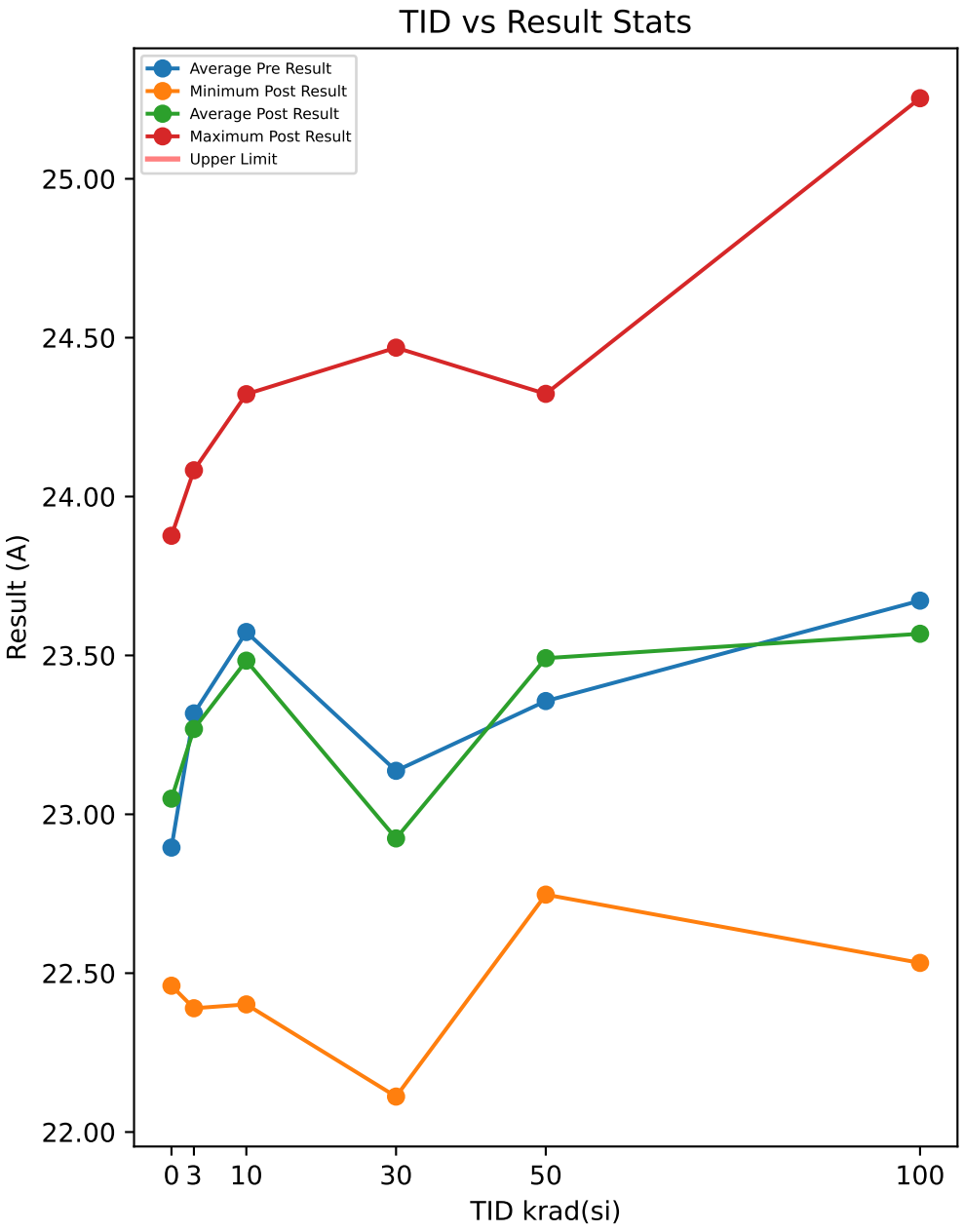
Test Results (No Limits Specified (A))

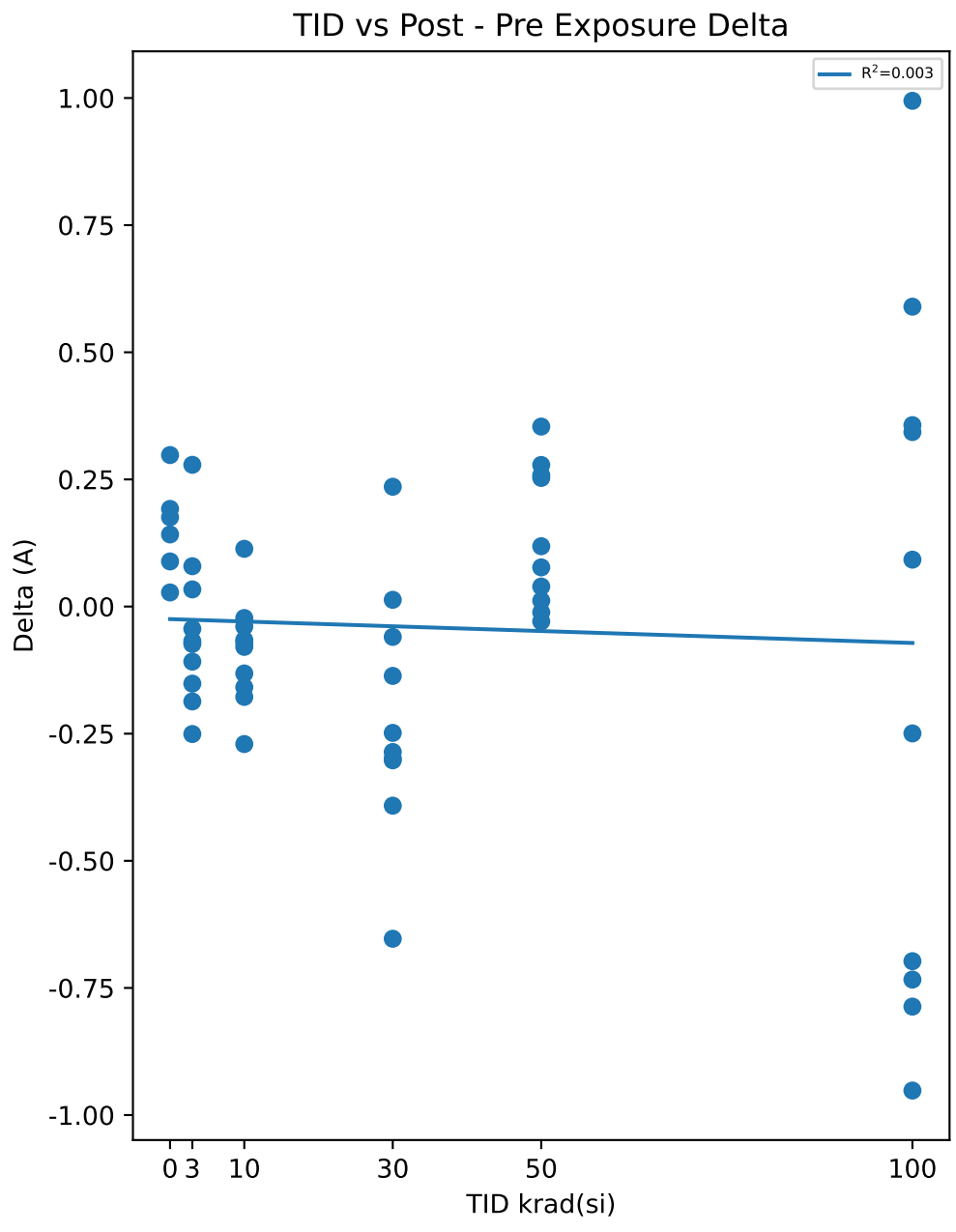
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	LDR Biased	25.238	25.321	0.083
2	3	LDR Biased	25.906	25.641	-0.2646
3	3	LDR Biased	24.996	24.841	-0.1555
4	3	LDR Biased	26.602	26.574	-0.0277
5	3	LDR Biased	25.936	25.661	-0.2745
6	10	LDR Biased	24.191	24.273	0.0824
7	10	LDR Biased	27.261	27.356	0.0952
8	10	LDR Biased	26.406	26.203	-0.2034
9	10	LDR Biased	25.337	25.251	-0.0864
10	10	LDR Biased	25.253	24.968	-0.2857
11	30	LDR Biased	26.571	26.465	-0.1054
12	30	LDR Biased	25.604	25.5	-0.1046
13	30	LDR Biased	24.939	24.671	-0.2674
14	30	LDR Biased	25.039	24.97	-0.0691
15	30	LDR Biased	26.384	26.349	-0.035
16	50	LDR Biased	24.315	24.412	0.0969
17	50	LDR Biased	26.283	26.293	0.01
18	50	LDR Biased	25.614	25.743	0.1289
19	50	LDR Biased	26.076	26.146	0.0698
20	50	LDR Biased	25.392	25.748	0.3556
21	100	LDR Biased	25.747	26.061	0.3137
22	100	LDR Biased	27.146	27.56	0.4145
23	100	LDR Biased	25.294	25.638	0.3438
24	100	LDR Biased	24.948	25.281	0.3327
25	100	LDR Biased	26.186	25.847	-0.3392
26	3	LDR Unbiased	25.451	25.547	0.0953
27	3	LDR Unbiased	26.507	26.436	-0.0712
28	3	LDR Unbiased	26.579	26.496	-0.0828
29	3	LDR Unbiased	25.064	25.094	0.0295
30	3	LDR Unbiased	25.718	25.556	-0.1624
31	10	LDR Unbiased	26.486	26.33	-0.1558
32	10	LDR Unbiased	25.942	25.755	-0.1869
33	10	LDR Unbiased	25.821	26.066	0.2451
34	10	LDR Unbiased	26.381	26.407	0.025
35	10	LDR Unbiased	27.135	27	-0.1348
36	30	LDR Unbiased	26.395	26.578	0.1833
37	30	LDR Unbiased	25.273	24.487	-0.7852
38	30	LDR Unbiased	26.482	26.983	0.5012
39	30	LDR Unbiased	24.918	24.789	-0.1289
40	30	LDR Unbiased	25.28	25.51	0.2295
41	50	LDR Unbiased	26.064	26.477	0.4133
42	50	LDR Unbiased	24.559	24.642	0.0834
43	50	LDR Unbiased	26.918	27.073	0.1547
44	50	LDR Unbiased	27.22	27.386	0.1659
45	50	LDR Unbiased	25.053	25.4	0.3464
46	100	LDR Unbiased	25.667	25.18	-0.4871
47	100	LDR Unbiased	25.595	25.857	0.2628
48	100	LDR Unbiased	26.336	26.349	0.0138
49	100	LDR Unbiased	26.812	27.325	0.5127
50	100	LDR Unbiased	26.116	26.152	0.0361
60	0	Correlation	26.057	26.126	0.069
61	0	Correlation	24.626	24.794	0.1681
62	0	Correlation	24.579	24.802	0.2228
63	0	Correlation	25.836	26.014	0.1784
64	0	Correlation	25.193	25.292	0.0986
65	0	Correlation	24.963	25.042	0.0791

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	24.579	25.209	26.057	0.61799	24.794	25.345	26.126	0.59178	0.069	0.136	0.2228	0.06243
3	24.996	25.8	26.602	0.61558	24.841	25.717	26.574	0.59957	-0.2745	-0.08309	0.0953	0.13183
10	24.191	26.021	27.261	0.92667	24.273	25.961	27.356	0.93186	-0.2857	-0.06053	0.2451	0.16592
30	24.918	25.688	26.571	0.69245	24.487	25.63	26.983	0.90333	-0.7852	-0.05816	0.5012	0.33934
50	24.315	25.749	27.22	0.95008	24.412	25.932	27.386	0.95542	0.01	0.18249	0.4133	0.13889
100	24.948	25.985	27.146	0.67295	25.18	26.125	27.56	0.78517	-0.4871	0.14038	0.5127	0.33129

Device Test: 20.110 _THRESHOLD|RISE/SW/14////@HIGHSIDE_CURR_LIM2_19A





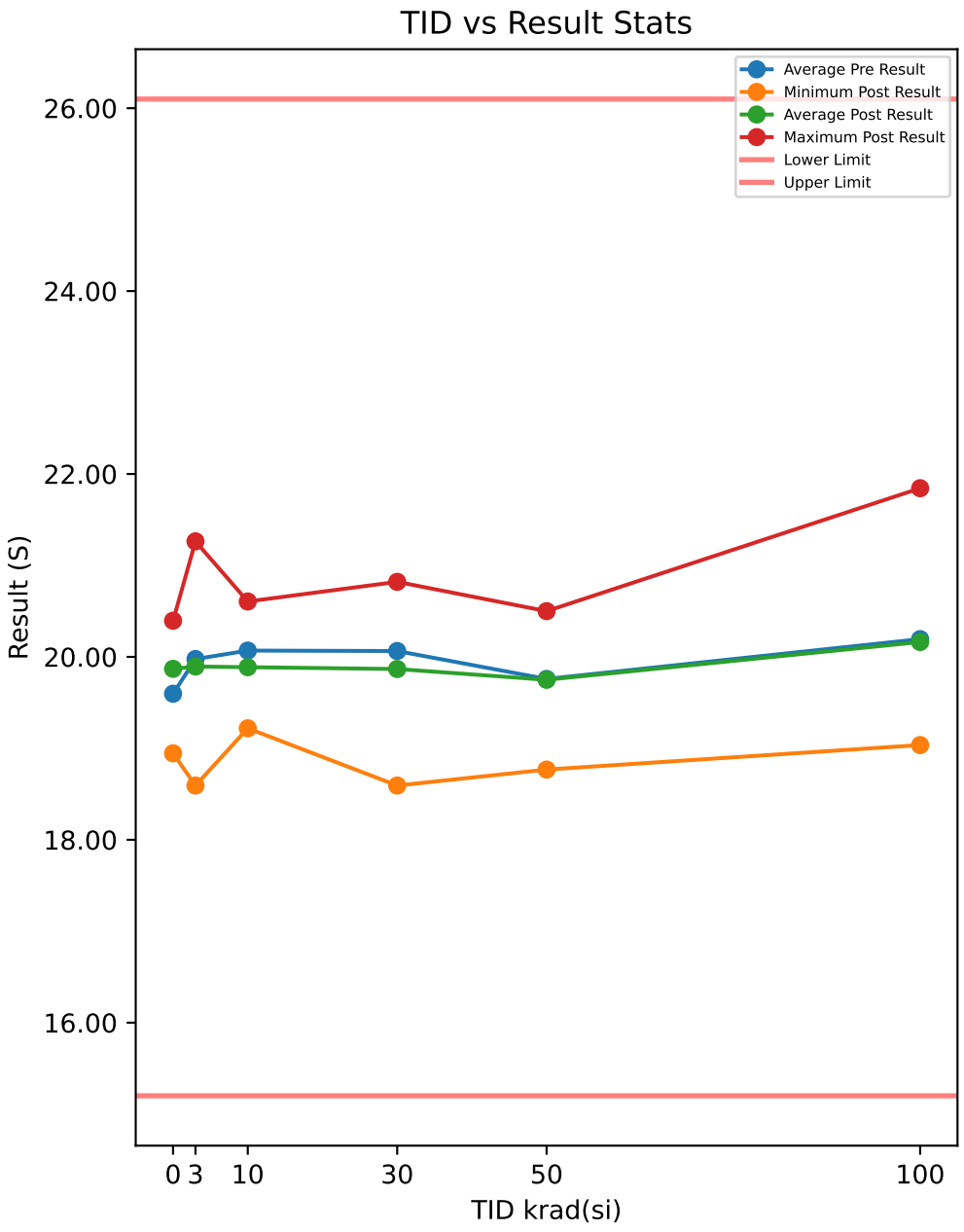
Test Results (No Limits Specified (A))

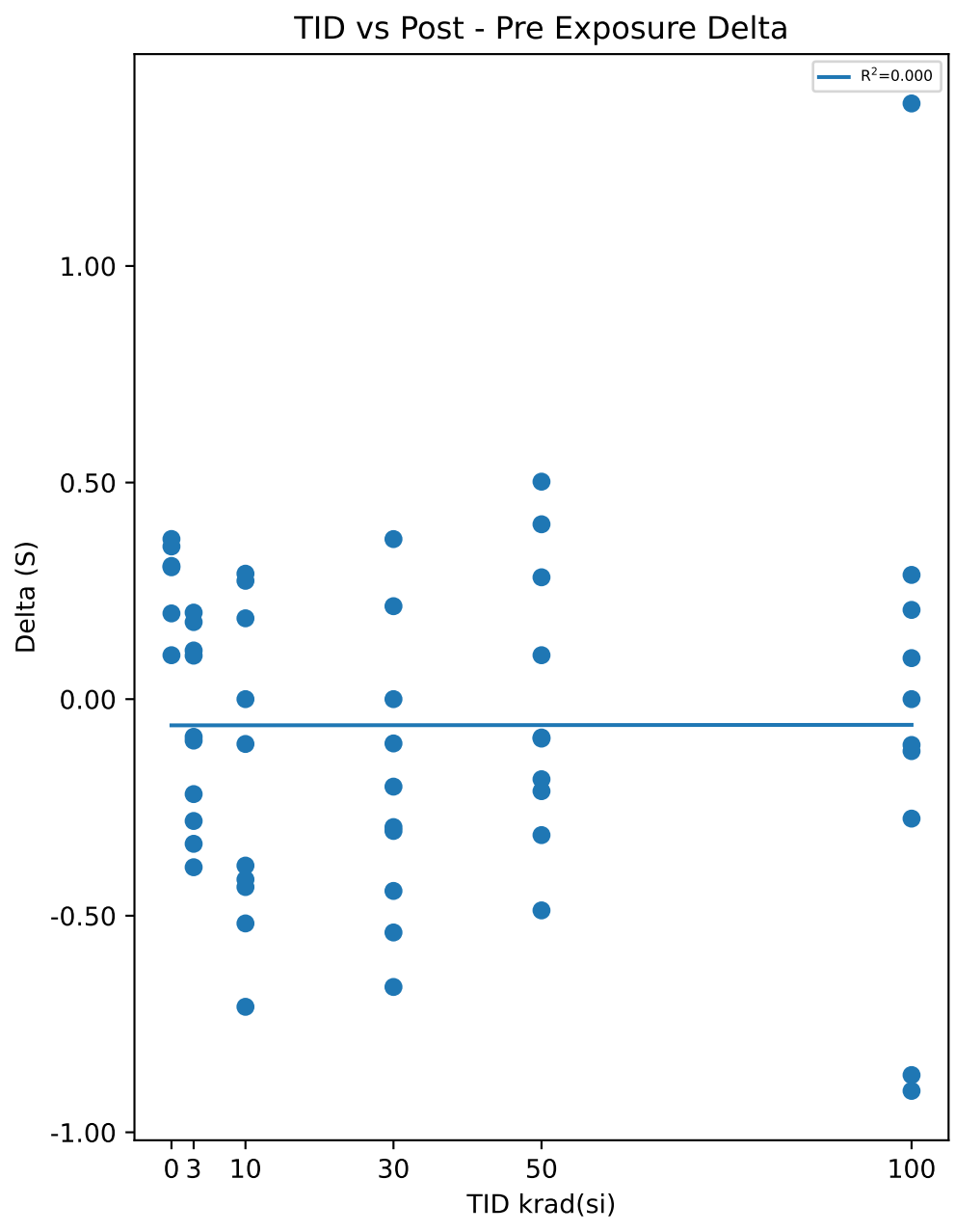
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	LDR Biased	22.702	22.736	0.0337
2	3	LDR Biased	23.52	23.27	-0.2507
3	3	LDR Biased	22.91	22.802	-0.1083
4	3	LDR Biased	24.017	23.974	-0.0438
5	3	LDR Biased	23.308	23.157	-0.1516
6	10	LDR Biased	22.441	22.402	-0.0393
7	10	LDR Biased	24.262	24.239	-0.0226
8	10	LDR Biased	23.775	23.504	-0.2704
9	10	LDR Biased	23.574	23.443	-0.1316
10	10	LDR Biased	22.975	22.797	-0.1777
11	30	LDR Biased	23.556	23.165	-0.3916
12	30	LDR Biased	23.28	23.22	-0.0597
13	30	LDR Biased	22.623	22.374	-0.2485
14	30	LDR Biased	22.83	22.532	-0.2985
15	30	LDR Biased	23.191	22.888	-0.3024
16	50	LDR Biased	22.489	22.747	0.2584
17	50	LDR Biased	23.623	23.594	-0.0292
18	50	LDR Biased	23.437	23.555	0.1186
19	50	LDR Biased	23.443	23.455	0.0116
20	50	LDR Biased	22.667	22.945	0.2784
21	100	LDR Biased	23.709	24.053	0.3431
22	100	LDR Biased	24.149	23.363	-0.7867
23	100	LDR Biased	23.318	23.908	0.5897
24	100	LDR Biased	23.18	23.272	0.0922
25	100	LDR Biased	23.993	23.296	-0.6974
26	3	LDR Unbiased	22.513	22.792	0.2787
27	3	LDR Unbiased	24.003	24.083	0.0793
28	3	LDR Unbiased	24.21	24.024	-0.1866
29	3	LDR Unbiased	22.463	22.39	-0.0736
30	3	LDR Unbiased	23.527	23.459	-0.068
31	10	LDR Unbiased	24.388	24.322	-0.0657
32	10	LDR Unbiased	22.88	22.721	-0.1587
33	10	LDR Unbiased	23.408	23.521	0.1135
34	10	LDR Unbiased	23.873	23.794	-0.0793
35	10	LDR Unbiased	24.163	24.092	-0.0704
36	30	LDR Unbiased	23.525	23.388	-0.1364
37	30	LDR Unbiased	22.765	22.112	-0.6533
38	30	LDR Unbiased	24.233	24.469	0.2356
39	30	LDR Unbiased	22.444	22.158	-0.2861
40	30	LDR Unbiased	22.922	22.935	0.0132
41	50	LDR Unbiased	23.969	24.323	0.3539
42	50	LDR Unbiased	22.769	22.846	0.077
43	50	LDR Unbiased	23.665	23.654	-0.0114
44	50	LDR Unbiased	24.262	24.301	0.0393
45	50	LDR Unbiased	23.24	23.493	0.2529
46	100	LDR Unbiased	23.421	22.688	-0.7336
47	100	LDR Unbiased	23.27	23.021	-0.2495
48	100	LDR Unbiased	23.484	22.532	-0.9518
49	100	LDR Unbiased	24.259	25.254	0.9945
50	100	LDR Unbiased	23.939	24.296	0.3567
60	0	Correlation	23.685	23.877	0.192
61	0	Correlation	22.24	22.538	0.2979
62	0	Correlation	22.372	22.46	0.0887
63	0	Correlation	23.515	23.69	0.1756
64	0	Correlation	22.953	23.095	0.1418
65	0	Correlation	22.607	22.635	0.0277

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	22.24	22.895	23.685	0.5995	22.46	23.049	23.877	0.61284	0.0277	0.15395	0.2979	0.092717
3	22.463	23.318	24.21	0.64665	22.39	23.268	24.083	0.60369	-0.2507	-0.04909	0.2787	0.15105
10	22.441	23.574	24.388	0.6467	22.402	23.484	24.322	0.66395	-0.2704	-0.09022	0.1135	0.10344
30	22.444	23.137	24.233	0.53478	22.112	22.924	24.469	0.70327	-0.6533	-0.21277	0.2356	0.24254
50	22.489	23.356	24.262	0.57364	22.747	23.491	24.323	0.5434	-0.0292	0.13495	0.3539	0.13905
100	23.18	23.672	24.259	0.39095	22.532	23.568	25.254	0.82146	-0.9518	-0.10428	0.9945	0.67438

Device Test: 20.111 _GMPS|STATIC/SW/14////@EA_COMP_ISWITCH_GM_19A_25C





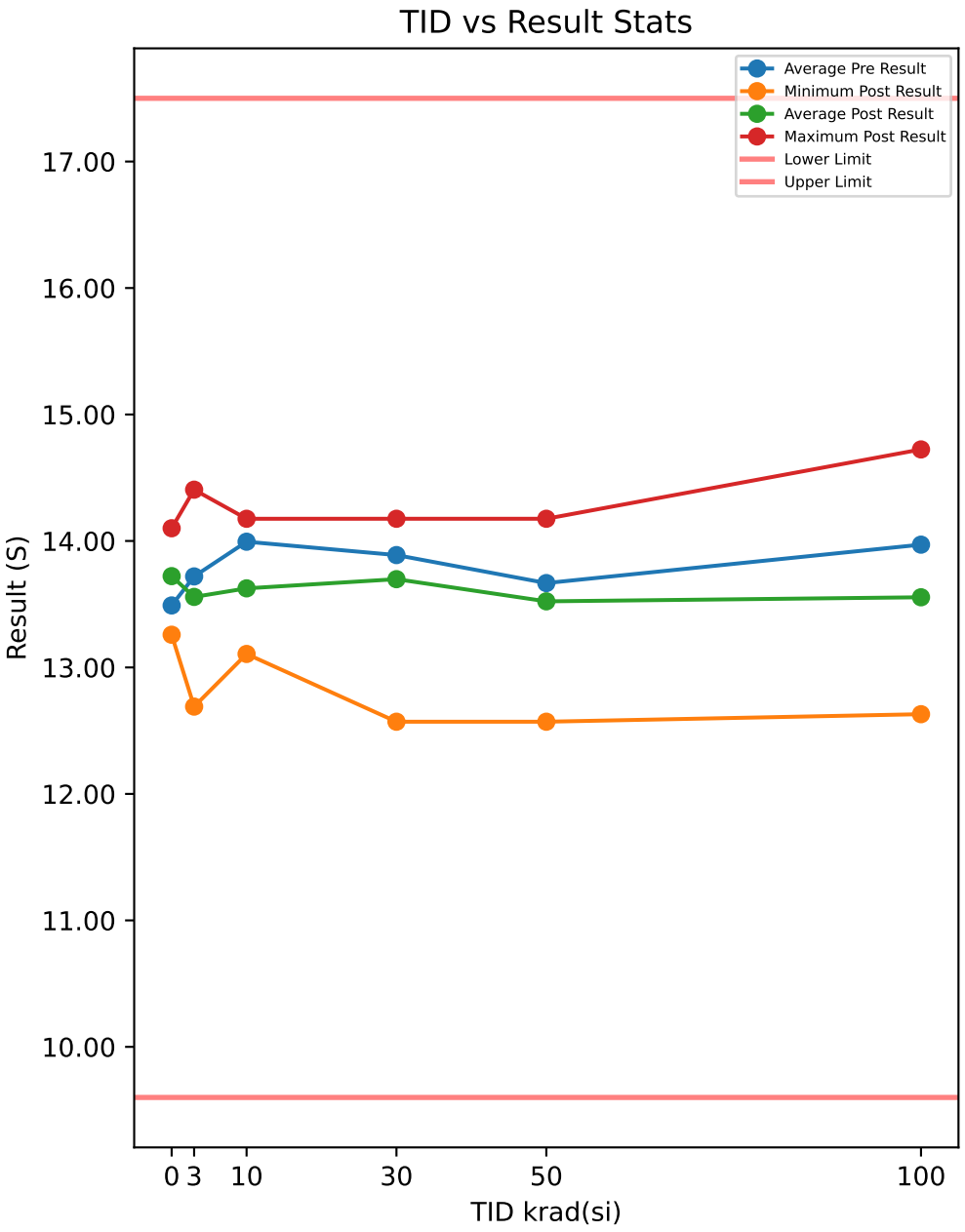
Test Results (Lower Limit = 15.2, Upper Limit = 26.1 (S))

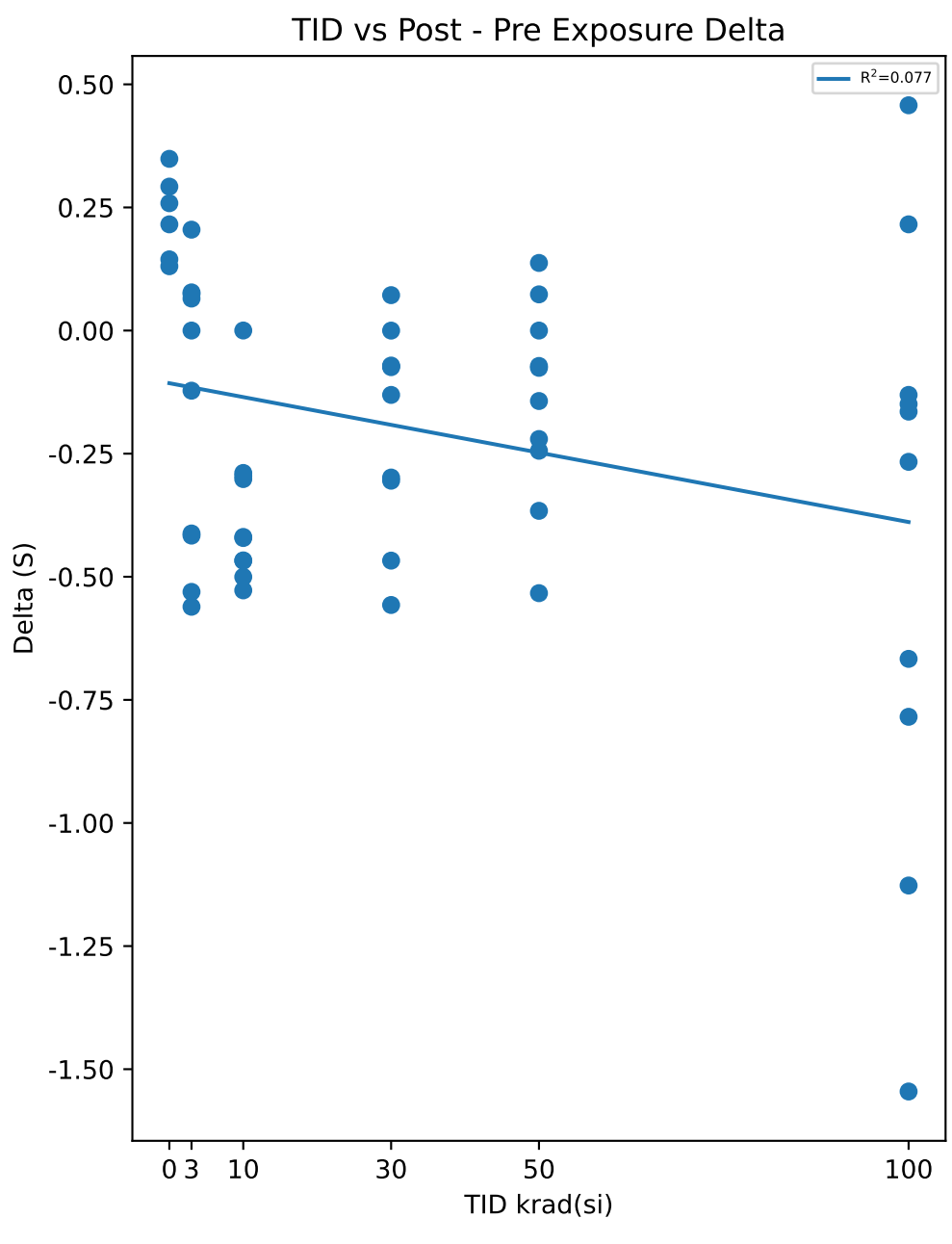
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	LDR Biased	19.988	20.088	0.1004
2	3	LDR Biased	19.5	19.219	-0.2813
3	3	LDR Biased	21.263	20.929	-0.334
4	3	LDR Biased	21.151	21.263	0.1123
5	3	LDR Biased	21.04	20.82	-0.2192
6	10	LDR Biased	20.606	20.088	-0.5178
7	10	LDR Biased	20.395	20.292	-0.1035
8	10	LDR Biased	20.5	19.79	-0.7103
9	10	LDR Biased	19.219	19.405	0.1866
10	10	LDR Biased	21.04	20.606	-0.4338
11	30	LDR Biased	19.219	18.68	-0.5387
12	30	LDR Biased	20.606	20.82	0.2146
13	30	LDR Biased	20.606	20.606	0
14	30	LDR Biased	21.377	20.712	-0.6645
15	30	LDR Biased	19.988	19.692	-0.2954
16	50	LDR Biased	20.712	20.5	-0.2124
17	50	LDR Biased	19.988	19.5	-0.4877
18	50	LDR Biased	19.219	19.5	0.2813
19	50	LDR Biased	18.856	18.768	-0.0886
20	50	LDR Biased	19.888	20.292	0.4037
21	100	LDR Biased	20.606	20.5	-0.1058
22	100	LDR Biased	19.312	19.036	-0.2758
23	100	LDR Biased	21.964	21.844	-0.12
24	100	LDR Biased	19.405	19.692	0.2868
25	100	LDR Biased	21.263	20.395	-0.8679
26	3	LDR Unbiased	19.596	19.5	-0.0957
27	3	LDR Unbiased	18.768	18.945	0.1779
28	3	LDR Unbiased	19.888	19.5	-0.3881
29	3	LDR Unbiased	18.68	18.593	-0.087
30	3	LDR Unbiased	19.888	20.088	0.1998
31	10	LDR Unbiased	20.606	20.189	-0.4163
32	10	LDR Unbiased	19.5	19.79	0.2896
33	10	LDR Unbiased	18.945	19.219	0.2732
34	10	LDR Unbiased	19.79	19.405	-0.3843
35	10	LDR Unbiased	20.088	20.088	0
36	30	LDR Unbiased	19.036	19.405	0.3695
37	30	LDR Unbiased	20.292	20.189	-0.1023
38	30	LDR Unbiased	20.292	19.988	-0.3043
39	30	LDR Unbiased	19.036	18.593	-0.4428
40	30	LDR Unbiased	20.189	19.988	-0.202
41	50	LDR Unbiased	20.606	20.292	-0.3139
42	50	LDR Unbiased	19.79	20.292	0.5021
43	50	LDR Unbiased	19.127	19.036	-0.0911
44	50	LDR Unbiased	20.088	20.189	0.1014
45	50	LDR Unbiased	19.312	19.127	-0.1849
46	100	LDR Unbiased	19.405	19.5	0.0947
47	100	LDR Unbiased	19.405	19.405	0
48	100	LDR Unbiased	20.5	19.596	-0.9044
49	100	LDR Unbiased	19.888	21.263	1.3752
50	100	LDR Unbiased	20.189	20.395	0.206
60	0	Correlation	20.088	20.395	0.3075
61	0	Correlation	20.088	20.189	0.1014
62	0	Correlation	19.79	19.988	0.1979
63	0	Correlation	19.988	20.292	0.3044
64	0	Correlation	18.593	18.945	0.3525
65	0	Correlation	19.036	19.405	0.3697

Test Statistics (S)

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	18.593	19.597	20.088	0.63162	18.945	19.869	20.395	0.57279	0.1014	0.27223	0.3697	0.10289
3	18.68	19.976	21.263	0.92467	18.593	19.895	21.263	0.89682	-0.3881	-0.08149	0.1998	0.21958
10	18.945	20.069	21.04	0.68293	19.219	19.887	20.606	0.445	-0.7103	-0.18166	0.2896	0.35837
30	19.036	20.064	21.377	0.76486	18.593	19.867	20.82	0.78727	-0.6645	-0.19659	0.3695	0.32576
50	18.856	19.758	20.712	0.62459	18.768	19.749	20.5	0.63467	-0.4877	-0.00901	0.5021	0.32241
100	19.312	20.194	21.964	0.89929	19.036	20.163	21.844	0.88736	-0.9044	-0.03112	1.3752	0.64014

Device Test: 20.112 _GMPS|STATIC/SW/14////@EA_COMP_ISWITCH_GM_13A_25C





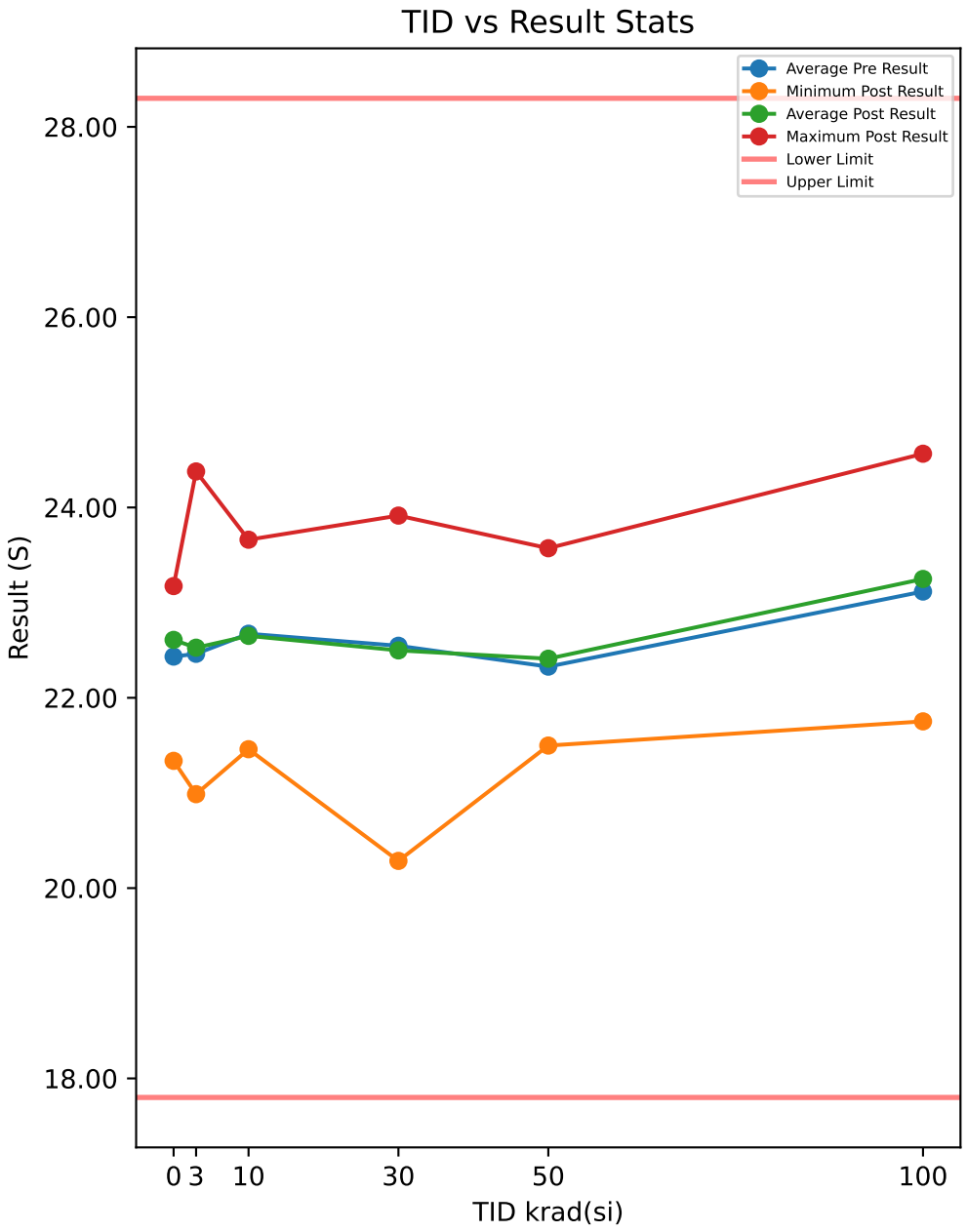
Test Results (Lower Limit = 9.6, Upper Limit = 17.5 (S))

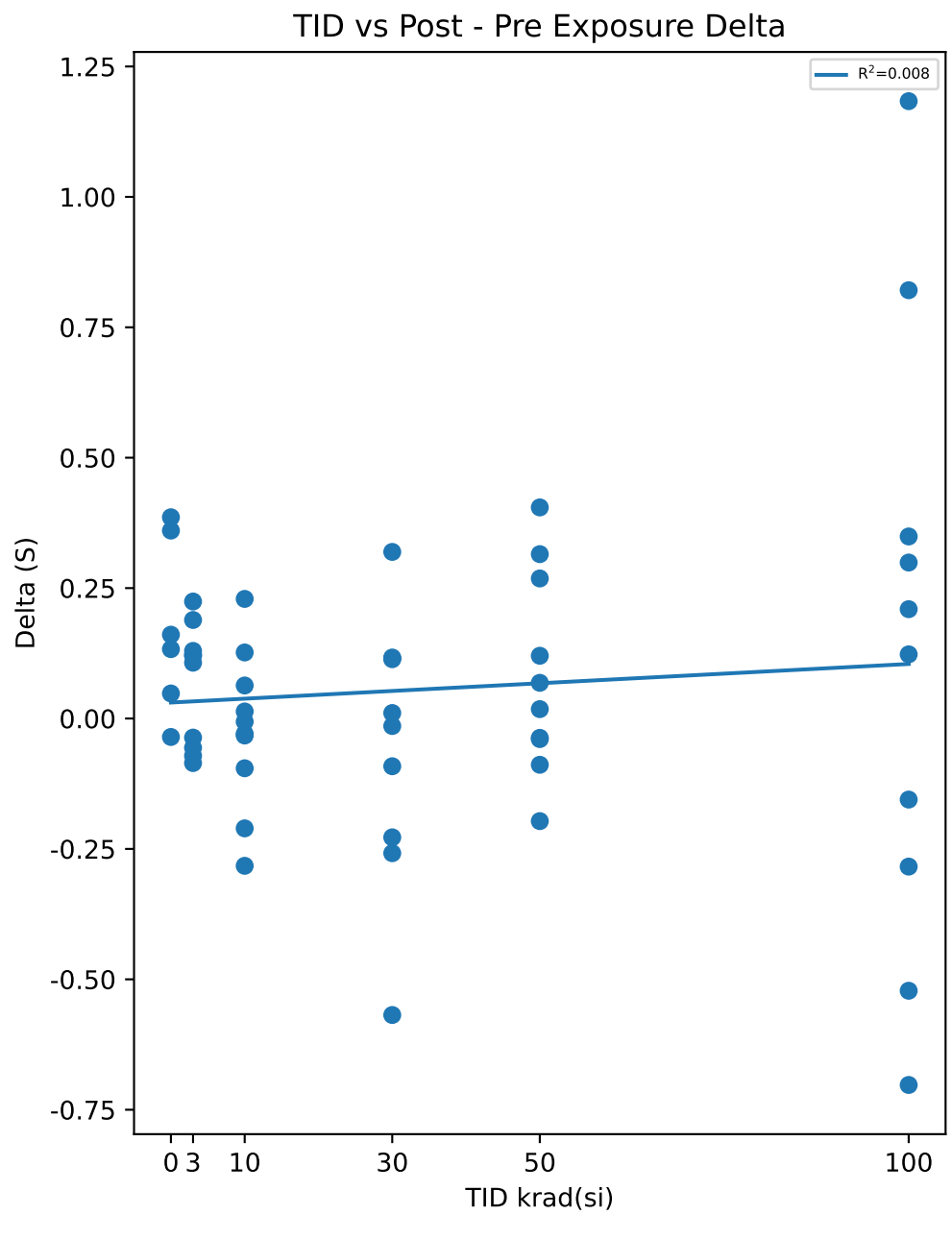
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	LDR Biased	13.737	13.325	-0.4121
2	3	LDR Biased	13.528	13.528	0
3	3	LDR Biased	14.484	13.953	-0.5307
4	3	LDR Biased	14.328	14.405	0.0775
5	3	LDR Biased	14.026	14.101	0.0742
6	10	LDR Biased	14.026	13.737	-0.2892
7	10	LDR Biased	14.643	14.175	-0.4674
8	10	LDR Biased	13.808	13.281	-0.5276
9	10	LDR Biased	13.737	13.237	-0.5003
10	10	LDR Biased	14.328	14.026	-0.3016
11	30	LDR Biased	13.128	12.571	-0.5573
12	30	LDR Biased	14.101	14.026	-0.0743
13	30	LDR Biased	14.405	14.101	-0.3049
14	30	LDR Biased	14.643	14.176	-0.4672
15	30	LDR Biased	13.808	13.737	-0.0711
16	50	LDR Biased	13.953	14.026	0.0735
17	50	LDR Biased	13.88	13.737	-0.1431
18	50	LDR Biased	13.46	13.597	0.1373
19	50	LDR Biased	12.874	12.63	-0.2441
20	50	LDR Biased	13.88	13.808	-0.0719
21	100	LDR Biased	14.176	14.026	-0.1493
22	100	LDR Biased	13.597	12.812	-0.7844
23	100	LDR Biased	14.888	14.724	-0.1646
24	100	LDR Biased	13.259	13.128	-0.1307
25	100	LDR Biased	14.724	13.597	-1.127
26	3	LDR Unbiased	13.392	13.597	0.2049
27	3	LDR Unbiased	13.128	13.193	0.065
28	3	LDR Unbiased	13.808	13.392	-0.4164
29	3	LDR Unbiased	12.812	12.69	-0.1221
30	3	LDR Unbiased	13.953	13.392	-0.5609
31	10	LDR Unbiased	14.251	13.832	-0.4191
32	10	LDR Unbiased	14.251	13.784	-0.4668
33	10	LDR Unbiased	13.193	13.193	0.0001
34	10	LDR Unbiased	13.528	13.107	-0.4213
35	10	LDR Unbiased	14.175	13.88	-0.2952
36	30	LDR Unbiased	13.528	13.528	-0.0001
37	30	LDR Unbiased	13.953	13.88	-0.0726
38	30	LDR Unbiased	14.251	13.953	-0.2985
39	30	LDR Unbiased	13.259	13.128	-0.1307
40	30	LDR Unbiased	13.808	13.88	0.0719
41	50	LDR Unbiased	14.101	13.88	-0.2203
42	50	LDR Unbiased	13.737	13.737	0
43	50	LDR Unbiased	12.937	12.571	-0.3661
44	50	LDR Unbiased	14.251	14.176	-0.0757
45	50	LDR Unbiased	13.597	13.064	-0.5333
46	100	LDR Unbiased	13.667	13	-0.6667
47	100	LDR Unbiased	13.46	13.193	-0.2666
48	100	LDR Unbiased	14.176	12.63	-1.5453
49	100	LDR Unbiased	14.026	14.484	0.4575
50	100	LDR Unbiased	13.737	13.953	0.2157
60	0	Correlation	13.737	13.953	0.2157
61	0	Correlation	13.46	13.808	0.3487
62	0	Correlation	13.808	13.953	0.1446
63	0	Correlation	13.808	14.101	0.2923
64	0	Correlation	13	13.259	0.2586
65	0	Correlation	13.128	13.259	0.1306

Test Statistics (S)

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	13	13.49	13.808	0.35654	13.259	13.722	14.101	0.37059	0.1306	0.23175	0.3487	0.085028
3	12.812	13.72	14.484	0.51932	12.69	13.558	14.405	0.4906	-0.5609	-0.16206	0.2049	0.28857
10	13.193	13.994	14.643	0.42925	13.107	13.625	14.175	0.38511	-0.5276	-0.36884	0.0001	0.15616
30	13.128	13.888	14.643	0.48701	12.571	13.698	14.176	0.50057	-0.5573	-0.19048	0.0719	0.20715
50	12.874	13.667	14.251	0.4614	12.571	13.523	14.176	0.56763	-0.5333	-0.14437	0.1373	0.20379
100	13.259	13.971	14.888	0.53242	12.63	13.555	14.724	0.71789	-1.5453	-0.41614	0.4575	0.61278

Device Test: 20.117 _GMPS|STATIC/SW/14////@EA_COMP_ISWITCH_GM_0P5V_19A





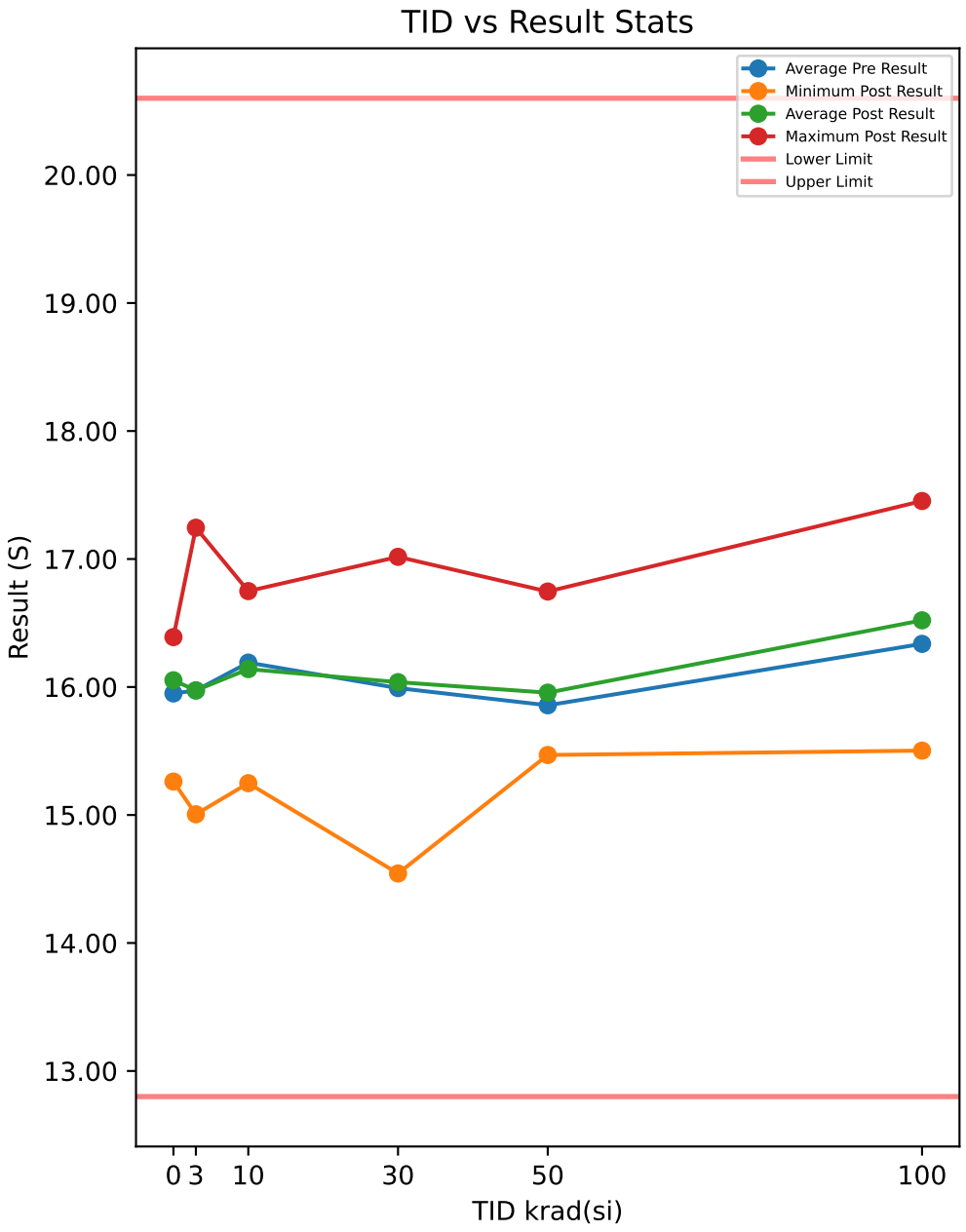
Test Results (Lower Limit = 17.8, Upper Limit = 28.3 (S))

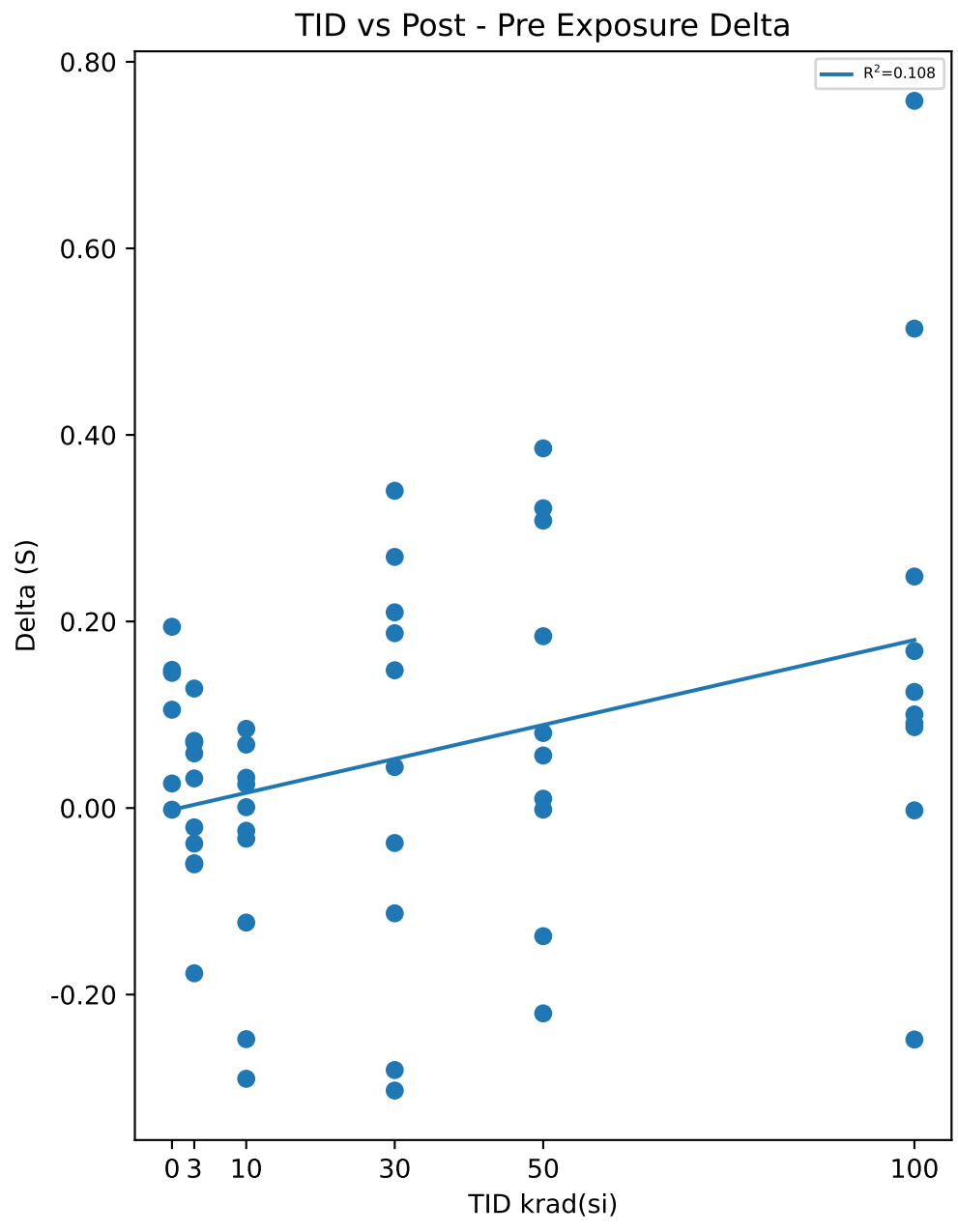
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	LDR Biased	22.965	22.894	-0.0714
2	3	LDR Biased	21.874	21.837	-0.0366
3	3	LDR Biased	24.258	24.379	0.1212
4	3	LDR Biased	23.904	24.093	0.1889
5	3	LDR Biased	22.366	22.488	0.1212
6	10	LDR Biased	22.768	22.832	0.0633
7	10	LDR Biased	22.791	22.917	0.1266
8	10	LDR Biased	23.286	23.004	-0.2824
9	10	LDR Biased	21.967	21.872	-0.0954
10	10	LDR Biased	23.691	23.661	-0.0293
11	30	LDR Biased	21.613	21.521	-0.0915
12	30	LDR Biased	23.801	23.915	0.1137
13	30	LDR Biased	23.243	23.253	0.0105
14	30	LDR Biased	24.142	23.914	-0.2278
15	30	LDR Biased	21.747	21.862	0.1152
16	50	LDR Biased	22.682	22.802	0.1203
17	50	LDR Biased	22.185	21.989	-0.1967
18	50	LDR Biased	22.327	22.29	-0.0371
19	50	LDR Biased	21.537	21.498	-0.0394
20	50	LDR Biased	22.883	23.151	0.2685
21	100	LDR Biased	22.948	23.157	0.2096
22	100	LDR Biased	22.036	21.752	-0.2839
23	100	LDR Biased	23.381	24.565	1.1835
24	100	LDR Biased	22.845	23.194	0.349
25	100	LDR Biased	24.924	24.402	-0.5219
26	3	LDR Unbiased	22.341	22.47	0.1296
27	3	LDR Unbiased	21.043	20.987	-0.056
28	3	LDR Unbiased	21.874	21.789	-0.0854
29	3	LDR Unbiased	21.062	21.169	0.107
30	3	LDR Unbiased	22.934	23.158	0.2243
31	10	LDR Unbiased	22.592	22.606	0.0135
32	10	LDR Unbiased	22.833	22.801	-0.0326
33	10	LDR Unbiased	21.466	21.46	-0.006
34	10	LDR Unbiased	23.001	22.791	-0.2106
35	10	LDR Unbiased	22.337	22.566	0.2293
36	30	LDR Unbiased	21.939	22.056	0.1169
37	30	LDR Unbiased	22.963	22.704	-0.2582
38	30	LDR Unbiased	23.072	23.058	-0.0144
39	30	LDR Unbiased	20.854	20.286	-0.5684
40	30	LDR Unbiased	22.092	22.411	0.3194
41	50	LDR Unbiased	23.66	23.572	-0.0887
42	50	LDR Unbiased	22.117	22.432	0.3151
43	50	LDR Unbiased	21.925	22.33	0.4047
44	50	LDR Unbiased	22.272	22.341	0.0684
45	50	LDR Unbiased	21.685	21.703	0.018
46	100	LDR Unbiased	22.203	22.326	0.123
47	100	LDR Unbiased	22.836	22.681	-0.1554
48	100	LDR Unbiased	24.055	23.352	-0.7025
49	100	LDR Unbiased	23.078	23.899	0.8211
50	100	LDR Unbiased	22.86	23.159	0.299
60	0	Correlation	22.331	22.464	0.133
61	0	Correlation	22.814	23.174	0.3603
62	0	Correlation	22.343	22.729	0.3858
63	0	Correlation	22.848	23.009	0.1607
64	0	Correlation	21.289	21.337	0.048
65	0	Correlation	22.973	22.938	-0.0354

Test Statistics (S)

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	21.289	22.433	22.973	0.62222	21.337	22.608	23.174	0.66931	-0.0354	0.1754	0.3858	0.16801
3	21.043	22.462	24.258	1.0785	20.987	22.526	24.379	1.138	-0.0854	0.06428	0.2243	0.11507
10	21.466	22.673	23.691	0.63629	21.46	22.651	23.661	0.60796	-0.2824	-0.02236	0.2293	0.15017
30	20.854	22.547	24.142	1.0543	20.286	22.498	23.915	1.1251	-0.5684	-0.04846	0.3194	0.25138
50	21.537	22.327	23.66	0.62159	21.498	22.411	23.572	0.63142	-0.1967	0.08331	0.4047	0.19285
100	22.036	23.117	24.924	0.84767	21.752	23.249	24.565	0.8774	-0.7025	0.13215	1.1835	0.5813

Device Test: 20.118 _GMPS|STATIC/SW/14////@EA_COMP_ISWITCH_GM_0P5V_13A





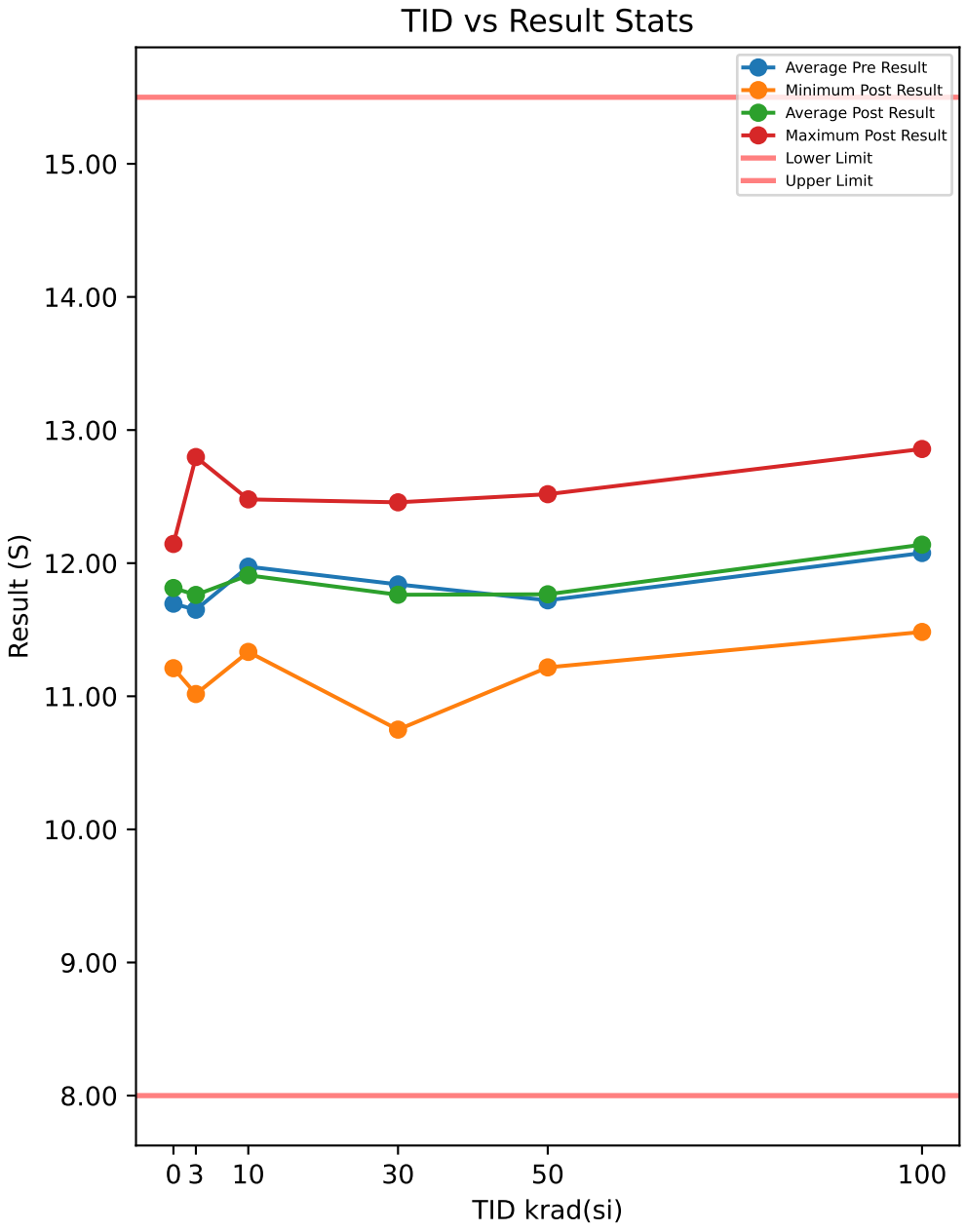
Test Results (Lower Limit = 12.8, Upper Limit = 20.6 (S))

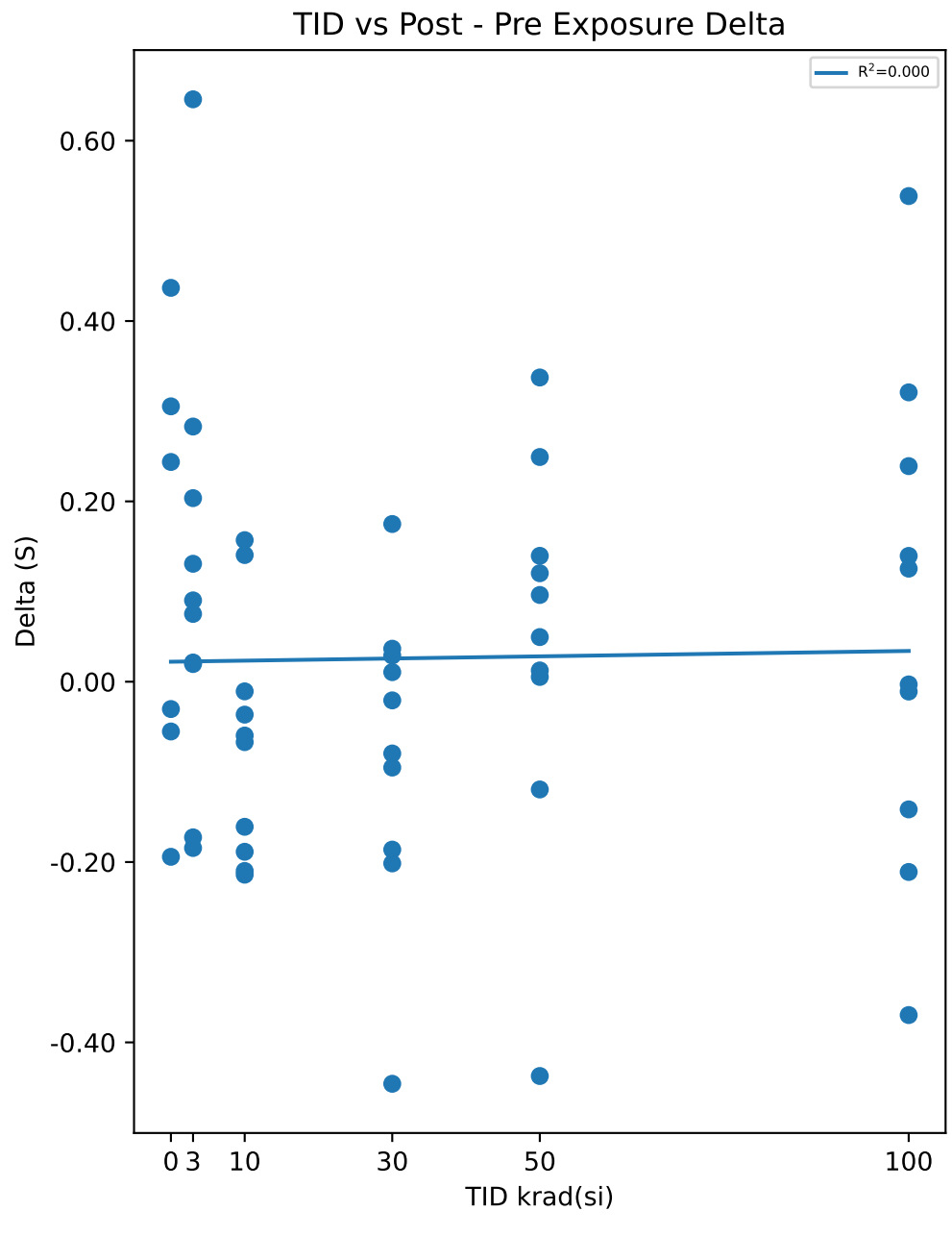
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	LDR Biased	16.147	16.126	-0.0207
2	3	LDR Biased	15.572	15.395	-0.1772
3	3	LDR Biased	17.186	17.244	0.0586
4	3	LDR Biased	16.904	16.976	0.072
5	3	LDR Biased	15.82	15.891	0.0701
6	10	LDR Biased	16.277	16.309	0.0325
7	10	LDR Biased	16.405	16.406	0.0009
8	10	LDR Biased	16.66	16.413	-0.2478
9	10	LDR Biased	15.773	15.749	-0.0244
10	10	LDR Biased	17.039	16.749	-0.2903
11	30	LDR Biased	15.531	15.25	-0.2809
12	30	LDR Biased	16.836	16.88	0.0439
13	30	LDR Biased	16.244	16.453	0.2098
14	30	LDR Biased	17.054	17.017	-0.0375
15	30	LDR Biased	15.326	15.473	0.1477
16	50	LDR Biased	15.858	16.166	0.3081
17	50	LDR Biased	15.853	15.716	-0.1374
18	50	LDR Biased	15.976	15.756	-0.2202
19	50	LDR Biased	15.285	15.469	0.1842
20	50	LDR Biased	16.36	16.746	0.3856
21	100	LDR Biased	16.161	16.247	0.0867
22	100	LDR Biased	15.378	15.503	0.1245
23	100	LDR Biased	16.639	17.397	0.7582
24	100	LDR Biased	16.157	16.325	0.1683
25	100	LDR Biased	17.701	17.453	-0.2482
26	3	LDR Unbiased	15.952	15.892	-0.0604
27	3	LDR Unbiased	14.877	15.005	0.1281
28	3	LDR Unbiased	15.586	15.547	-0.0381
29	3	LDR Unbiased	15.252	15.193	-0.0592
30	3	LDR Unbiased	16.433	16.465	0.0317
31	10	LDR Unbiased	16.106	16.174	0.068
32	10	LDR Unbiased	16.183	16.268	0.0849
33	10	LDR Unbiased	15.223	15.248	0.0255
34	10	LDR Unbiased	16.342	16.22	-0.1228
35	10	LDR Unbiased	15.896	15.863	-0.0329
36	30	LDR Unbiased	15.708	15.895	0.1874
37	30	LDR Unbiased	16.363	16.25	-0.1129
38	30	LDR Unbiased	16.06	16.329	0.2692
39	30	LDR Unbiased	14.846	14.543	-0.3029
40	30	LDR Unbiased	15.948	16.288	0.3401
41	50	LDR Unbiased	16.702	16.712	0.01
42	50	LDR Unbiased	15.537	15.859	0.3214
43	50	LDR Unbiased	15.435	15.515	0.0804
44	50	LDR Unbiased	15.971	16.027	0.0563
45	50	LDR Unbiased	15.593	15.591	-0.0017
46	100	LDR Unbiased	15.901	16.149	0.2482
47	100	LDR Unbiased	16.116	16.206	0.0909
48	100	LDR Unbiased	16.629	16.626	-0.0025
49	100	LDR Unbiased	16.468	16.982	0.514
50	100	LDR Unbiased	16.221	16.321	0.1003
60	0	Correlation	15.722	15.916	0.1943
61	0	Correlation	16.242	16.39	0.1481
62	0	Correlation	16.051	16.196	0.1449
63	0	Correlation	16.186	16.291	0.1054
64	0	Correlation	15.235	15.261	0.0263
65	0	Correlation	16.262	16.26	-0.0018

Test Statistics (S)

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	15.235	15.95	16.262	0.40289	15.261	16.052	16.39	0.41933	-0.0018	0.10287	0.1943	0.076154
3	14.877	15.973	17.186	0.71766	15.005	15.973	17.244	0.74255	-0.1772	0.00049	0.1281	0.089055
10	15.223	16.191	17.039	0.49695	15.248	16.14	16.749	0.4208	-0.2903	-0.05064	0.0849	0.12924
30	14.846	15.991	17.054	0.67483	14.543	16.038	17.017	0.76205	-0.3029	0.04639	0.3401	0.22467
50	15.285	15.857	16.702	0.43113	15.469	15.956	16.746	0.46157	-0.2202	0.09867	0.3856	0.20016
100	15.378	16.337	17.701	0.60462	15.503	16.521	17.453	0.60432	-0.2482	0.18404	0.7582	0.27754

Device Test: 20.119 _GMPS|STATIC/SW/14////@EA_COMP_ISWITCH_GM_9A





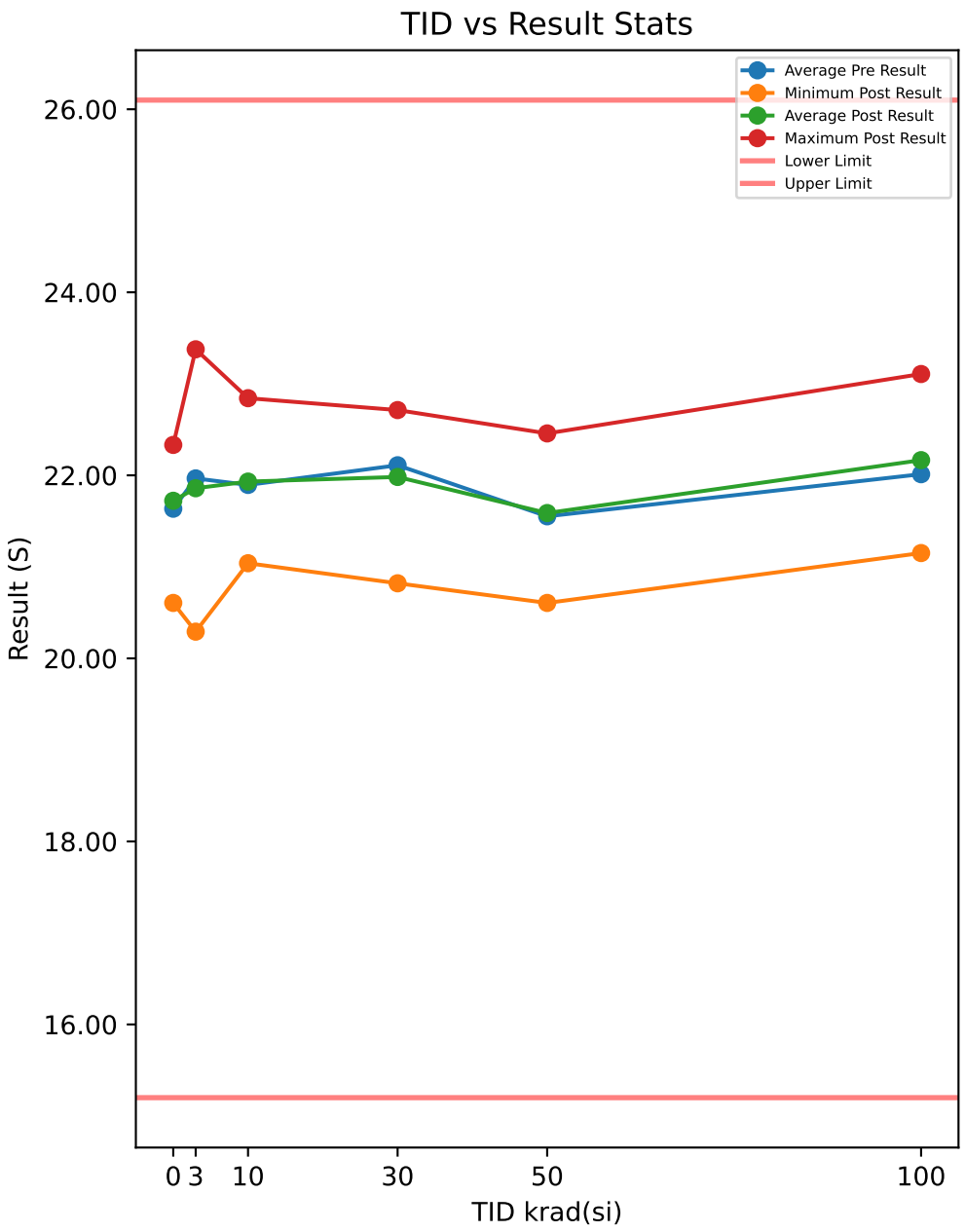
Test Results (Lower Limit = 8.0, Upper Limit = 15.5 (S))

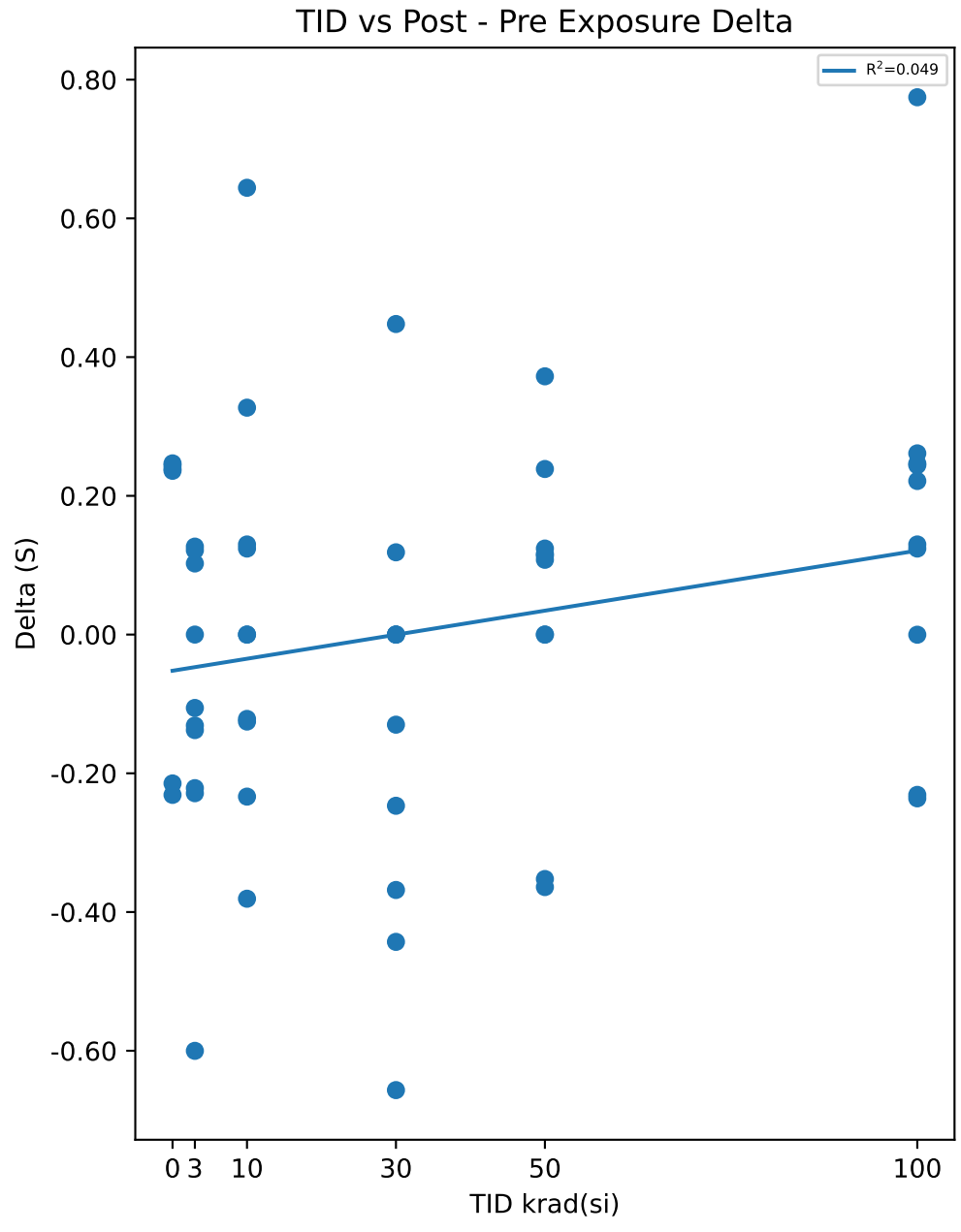
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	LDR Biased	11.772	11.847	0.0752
2	3	LDR Biased	11.441	11.269	-0.1726
3	3	LDR Biased	12.776	12.797	0.0213
4	3	LDR Biased	12.288	12.492	0.2036
5	3	LDR Biased	11.62	11.435	-0.1844
6	10	LDR Biased	12.167	11.957	-0.2099
7	10	LDR Biased	12.276	12.217	-0.0597
8	10	LDR Biased	12.194	11.98	-0.214
9	10	LDR Biased	11.692	11.531	-0.1609
10	10	LDR Biased	12.516	12.479	-0.0365
11	30	LDR Biased	11.265	11.276	0.0106
12	30	LDR Biased	12.537	12.457	-0.0796
13	30	LDR Biased	12.009	11.914	-0.0952
14	30	LDR Biased	12.763	12.317	-0.4459
15	30	LDR Biased	11.249	11.278	0.029
16	50	LDR Biased	11.824	11.921	0.0962
17	50	LDR Biased	11.496	11.833	0.3374
18	50	LDR Biased	11.638	11.687	0.0495
19	50	LDR Biased	11.829	11.392	-0.4373
20	50	LDR Biased	12.174	12.294	0.1203
21	100	LDR Biased	12.072	12.069	-0.003
22	100	LDR Biased	11.625	11.483	-0.1416
23	100	LDR Biased	12.319	12.858	0.5386
24	100	LDR Biased	11.849	11.988	0.1395
25	100	LDR Biased	12.789	12.778	-0.0109
26	3	LDR Unbiased	11.39	12.036	0.6459
27	3	LDR Unbiased	10.927	11.017	0.0902
28	3	LDR Unbiased	11.466	11.485	0.0196
29	3	LDR Unbiased	11.059	11.19	0.1308
30	3	LDR Unbiased	11.762	12.045	0.283
31	10	LDR Unbiased	12.095	12.252	0.157
32	10	LDR Unbiased	11.795	11.784	-0.0107
33	10	LDR Unbiased	11.4	11.333	-0.067
34	10	LDR Unbiased	11.981	11.792	-0.1886
35	10	LDR Unbiased	11.621	11.762	0.1405
36	30	LDR Unbiased	11.537	11.574	0.0366
37	30	LDR Unbiased	12.05	12.029	-0.0207
38	30	LDR Unbiased	12.266	12.08	-0.1862
39	30	LDR Unbiased	10.951	10.749	-0.2015
40	30	LDR Unbiased	11.777	11.952	0.1749
41	50	LDR Unbiased	12.269	12.518	0.2492
42	50	LDR Unbiased	11.594	11.606	0.0125
43	50	LDR Unbiased	11.348	11.229	-0.1195
44	50	LDR Unbiased	11.825	11.964	0.1396
45	50	LDR Unbiased	11.212	11.217	0.0053
46	100	LDR Unbiased	11.965	11.595	-0.3697
47	100	LDR Unbiased	11.827	11.952	0.1254
48	100	LDR Unbiased	12.592	12.381	-0.211
49	100	LDR Unbiased	11.878	12.199	0.3209
50	100	LDR Unbiased	11.845	12.084	0.2391
60	0	Correlation	11.463	11.768	0.3054
61	0	Correlation	11.707	12.144	0.4368
62	0	Correlation	12.049	11.854	-0.1942
63	0	Correlation	11.807	12.05	0.2437
64	0	Correlation	11.241	11.211	-0.0303
65	0	Correlation	11.907	11.852	-0.0552

Test Statistics (S)

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	11.241	11.696	12.049	0.29751	11.211	11.813	12.144	0.32678	-0.1942	0.1177	0.4368	0.24577
3	10.927	11.65	12.776	0.54991	11.017	11.761	12.797	0.5847	-0.1844	0.11126	0.6459	0.23816
10	11.4	11.974	12.516	0.34167	11.333	11.909	12.479	0.3448	-0.214	-0.06498	0.157	0.13457
30	10.951	11.84	12.763	0.59216	10.749	11.763	12.457	0.53264	-0.4459	-0.0778	0.1749	0.17071
50	11.212	11.721	12.269	0.33504	11.217	11.766	12.518	0.43127	-0.4373	0.04532	0.3374	0.21259
100	11.625	12.076	12.789	0.37366	11.483	12.139	12.858	0.44456	-0.3697	0.06273	0.5386	0.26821

Device Test: 20.12 _GMPS|STATIC/SW/4.5////@EA_COMP_ISWITCH_GM_19A_25C





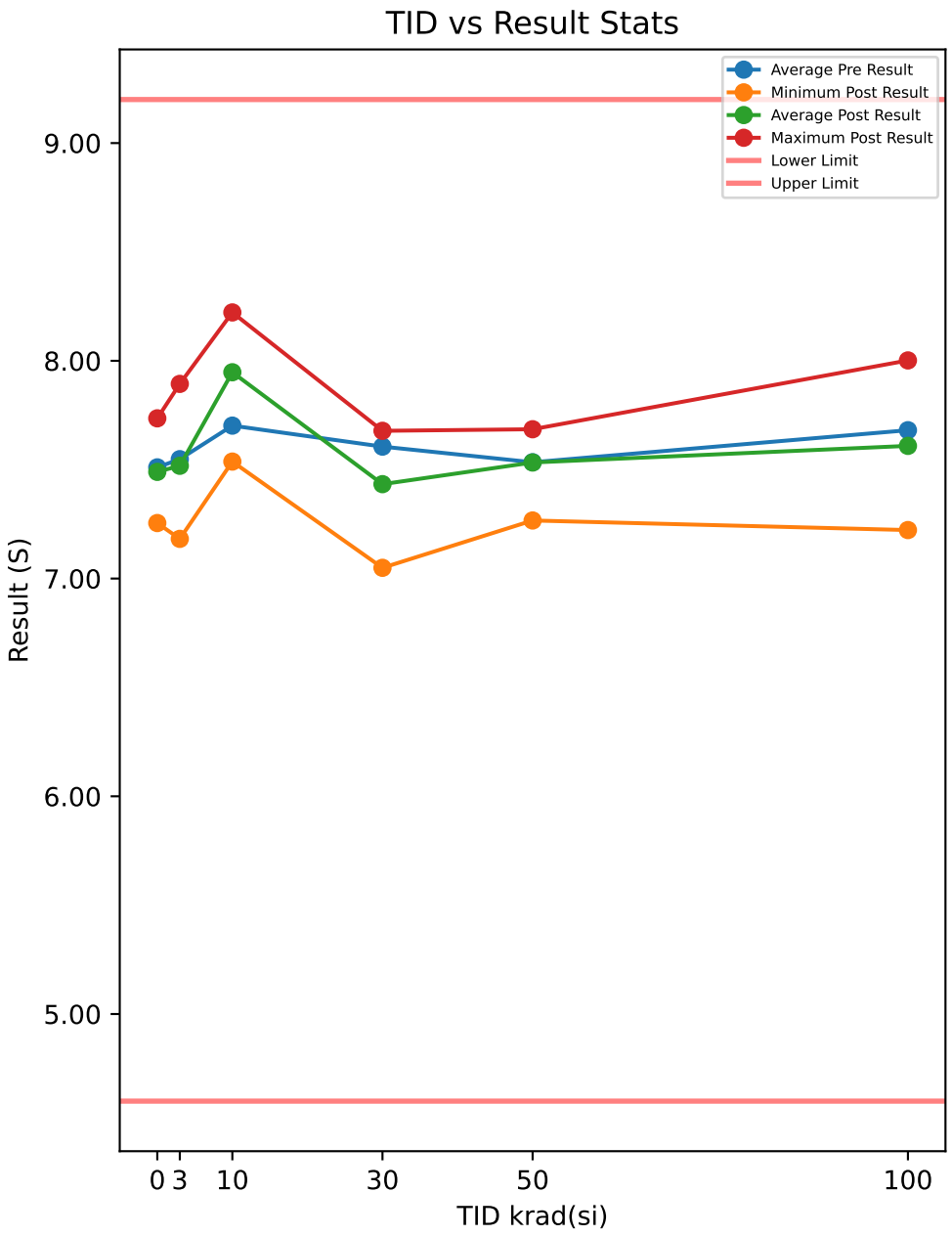
Test Results (Lower Limit = 15.2, Upper Limit = 26.1 (S))

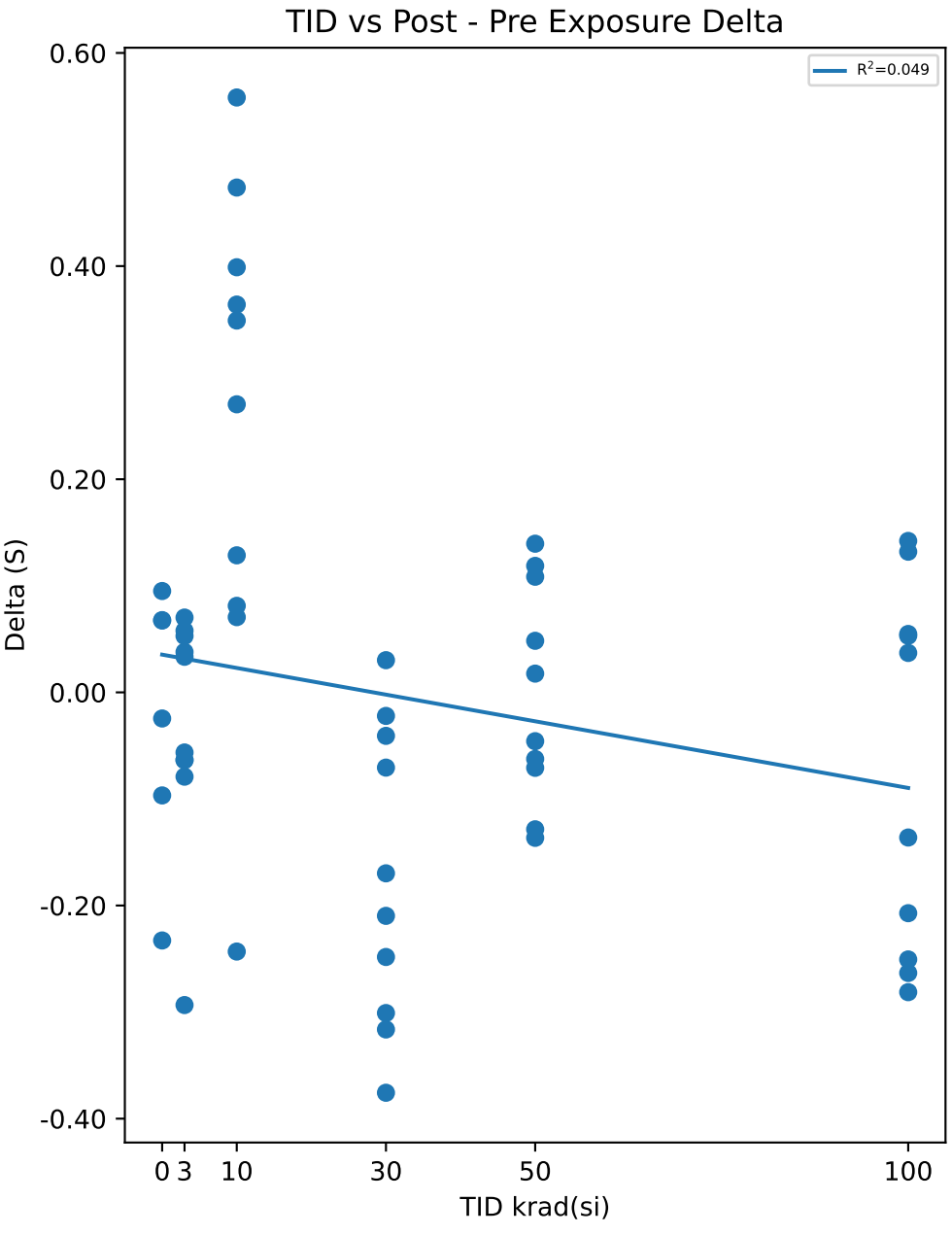
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	LDR Biased	22.458	22.585	0.1268
2	3	LDR Biased	21.151	20.929	-0.2214
3	3	LDR Biased	22.974	22.843	-0.1312
4	3	LDR Biased	23.515	23.377	-0.1377
5	3	LDR Biased	23.107	23.107	0
6	10	LDR Biased	22.086	21.964	-0.1216
7	10	LDR Biased	22.458	22.332	-0.1254
8	10	LDR Biased	22.208	22.332	0.124
9	10	LDR Biased	20.712	21.04	0.3271
10	10	LDR Biased	22.713	22.843	0.1299
11	30	LDR Biased	21.263	21.263	0
12	30	LDR Biased	22.843	22.713	-0.1299
13	30	LDR Biased	22.585	22.585	0
14	30	LDR Biased	23.241	22.585	-0.6567
15	30	LDR Biased	22.585	22.585	0
16	50	LDR Biased	22.208	21.844	-0.364
17	50	LDR Biased	21.492	21.608	0.1163
18	50	LDR Biased	21.263	21.377	0.1138
19	50	LDR Biased	20.606	20.606	0
20	50	LDR Biased	22.086	22.458	0.3723
21	100	LDR Biased	21.726	21.725	-0.0002
22	100	LDR Biased	22.208	22.332	0.124
23	100	LDR Biased	22.332	23.107	0.7746
24	100	LDR Biased	20.929	21.151	0.2214
25	100	LDR Biased	22.713	22.843	0.1299
26	3	LDR Unbiased	22.208	21.608	-0.6001
27	3	LDR Unbiased	20.606	20.5	-0.1058
28	3	LDR Unbiased	21.492	21.263	-0.2287
29	3	LDR Unbiased	20.189	20.292	0.1025
30	3	LDR Unbiased	21.964	22.086	0.1215
31	10	LDR Unbiased	21.726	21.492	-0.2336
32	10	LDR Unbiased	22.713	22.332	-0.3808
33	10	LDR Unbiased	20.395	21.04	0.6441
34	10	LDR Unbiased	21.608	21.608	0
35	10	LDR Unbiased	22.332	22.332	0
36	30	LDR Unbiased	20.929	21.377	0.4477
37	30	LDR Unbiased	22.332	22.086	-0.2468
38	30	LDR Unbiased	22.332	21.964	-0.3682
39	30	LDR Unbiased	21.263	20.82	-0.443
40	30	LDR Unbiased	21.726	21.844	0.1186
41	50	LDR Unbiased	21.726	21.964	0.2387
42	50	LDR Unbiased	21.377	21.377	0
43	50	LDR Unbiased	21.844	21.492	-0.3524
44	50	LDR Unbiased	22.208	22.332	0.124
45	50	LDR Unbiased	20.712	20.82	0.1078
46	100	LDR Unbiased	21.608	21.377	-0.2311
47	100	LDR Unbiased	21.844	21.608	-0.2361
48	100	LDR Unbiased	22.713	22.974	0.2612
49	100	LDR Unbiased	21.964	22.208	0.2442
50	100	LDR Unbiased	22.086	22.332	0.2466
60	0	Correlation	21.608	21.844	0.2361
61	0	Correlation	21.964	22.208	0.2439
62	0	Correlation	21.725	21.964	0.2389
63	0	Correlation	22.086	22.332	0.2468
64	0	Correlation	20.82	20.606	-0.2146
65	0	Correlation	21.608	21.377	-0.2311

Test Statistics (S)

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	20.82	21.635	22.086	0.44381	20.606	21.722	22.332	0.63996	-0.2311	0.086667	0.2468	0.23984
3	20.189	21.966	23.515	1.1012	20.292	21.859	23.377	1.1052	-0.6001	-0.10741	0.1268	0.21979
10	20.395	21.895	22.713	0.79858	21.04	21.932	22.843	0.61134	-0.3808	0.03637	0.6441	0.29268
30	20.929	22.11	23.241	0.77044	20.82	21.982	22.713	0.65711	-0.6567	-0.12783	0.4477	0.31481
50	20.606	21.552	22.208	0.57539	20.606	21.588	22.458	0.59358	-0.364	0.03565	0.3723	0.23405
100	20.929	22.012	22.713	0.53513	21.151	22.166	23.107	0.68417	-0.2361	0.15345	0.7746	0.28745

Device Test: 20.120 _GMPS|STATIC/SW/14////@EA_COMP_ISWITCH_GM_6A





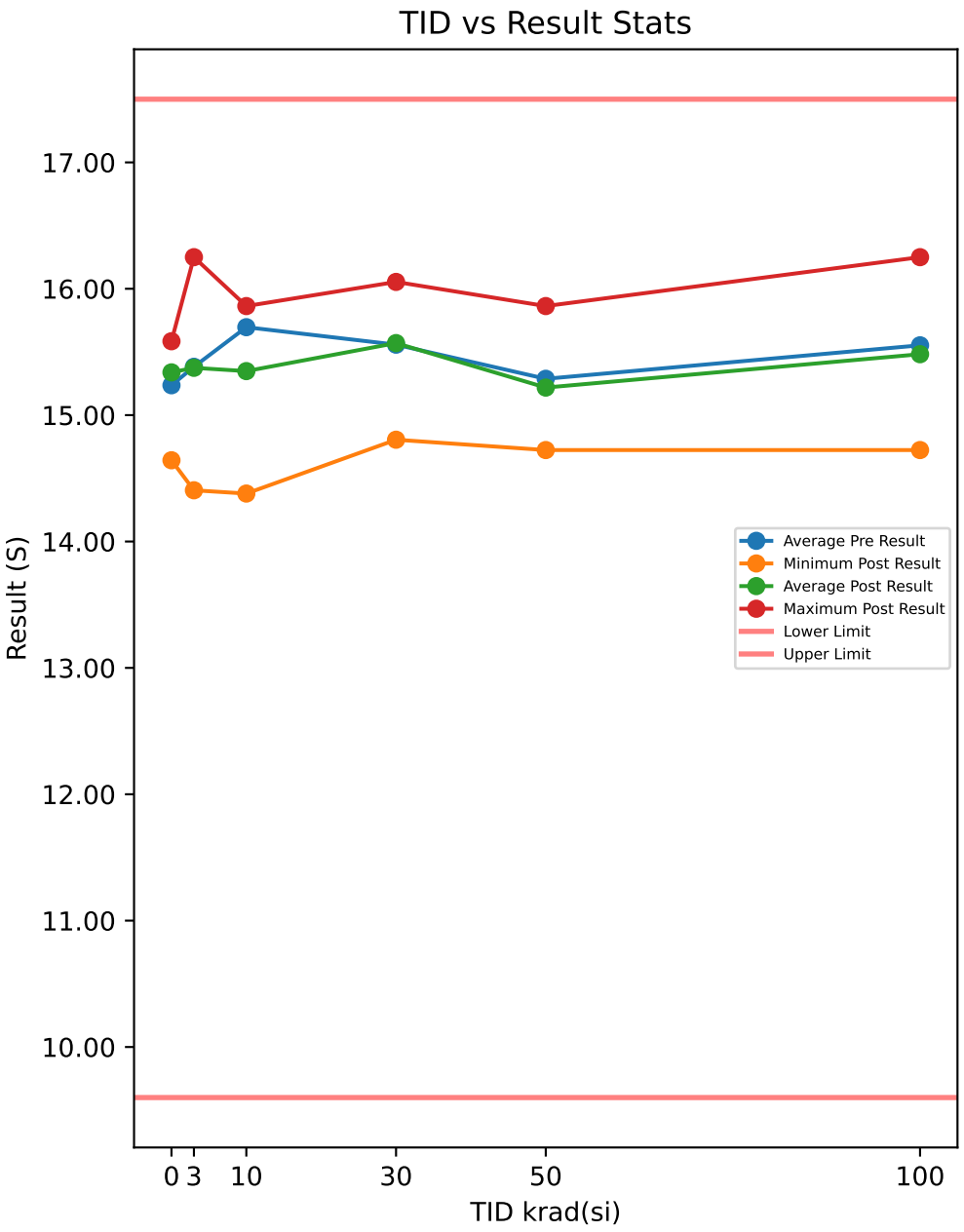
Test Results (Lower Limit = 4.6, Upper Limit = 9.2 (S))

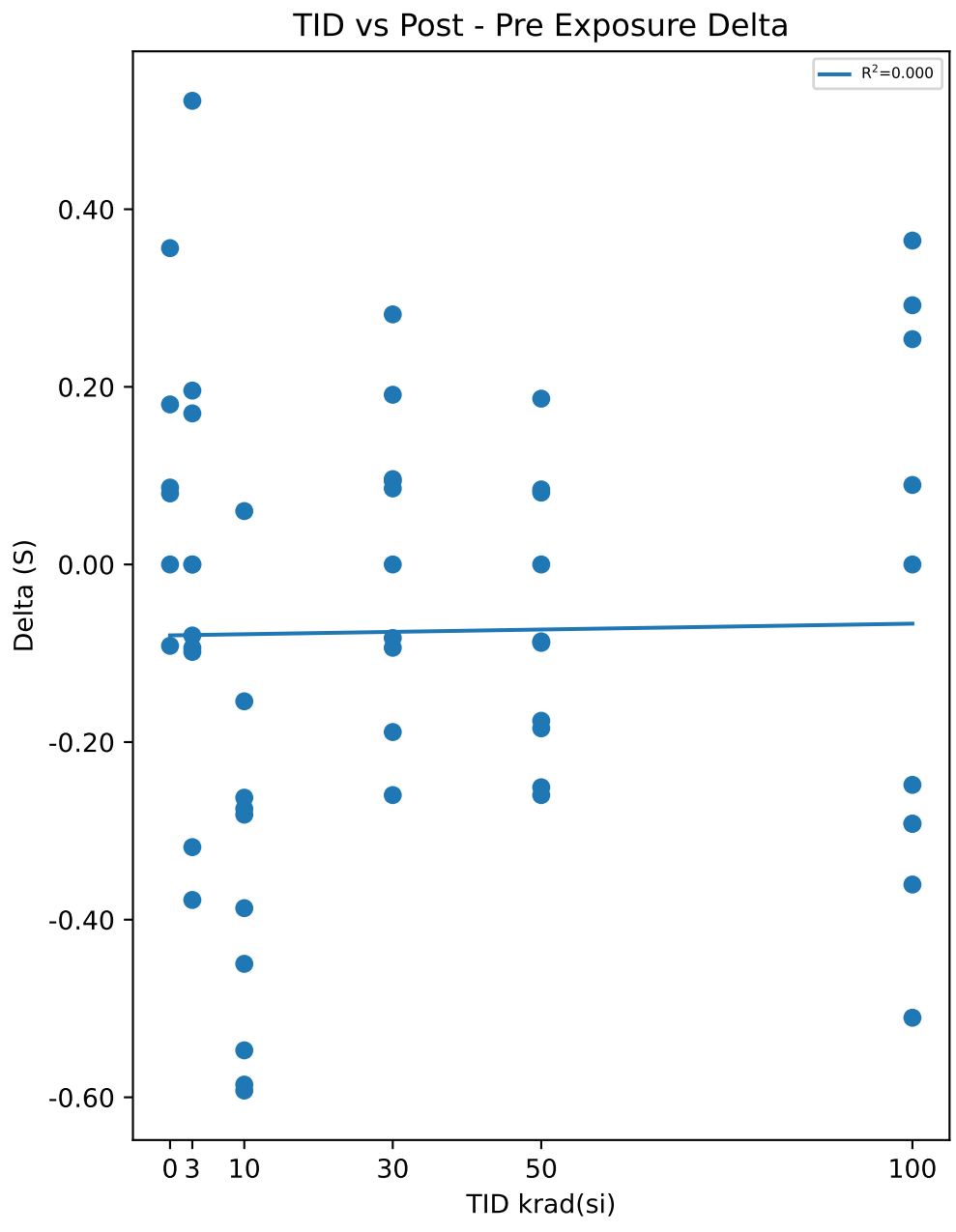
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	LDR Biased	7.6117	7.6496	0.0379
2	3	LDR Biased	7.4186	7.452	0.0334
3	3	LDR Biased	7.8905	7.827	-0.0635
4	3	LDR Biased	7.8238	7.894	0.0702
5	3	LDR Biased	7.5044	7.5573	0.0529
6	10	LDR Biased	7.7787	8.1426	0.3639
7	10	LDR Biased	7.7485	8.2222	0.4737
8	10	LDR Biased	8.0152	7.772	-0.2432
9	10	LDR Biased	7.7754	7.846	0.0706
10	10	LDR Biased	7.7399	8.1388	0.3989
11	30	LDR Biased	7.261	7.2912	0.0302
12	30	LDR Biased	8.016	7.6403	-0.3757
13	30	LDR Biased	7.7193	7.6785	-0.0408
14	30	LDR Biased	7.9608	7.6445	-0.3163
15	30	LDR Biased	7.3999	7.1902	-0.2097
16	50	LDR Biased	7.6113	7.6289	0.0176
17	50	LDR Biased	7.5462	7.6857	0.1395
18	50	LDR Biased	7.4691	7.3983	-0.0708
19	50	LDR Biased	7.3838	7.4923	0.1085
20	50	LDR Biased	7.7623	7.6258	-0.1365
21	100	LDR Biased	7.6577	7.6947	0.037
22	100	LDR Biased	7.6366	7.5004	-0.1362
23	100	LDR Biased	7.9072	7.9603	0.0531
24	100	LDR Biased	7.5976	7.3163	-0.2813
25	100	LDR Biased	7.947	8.0018	0.0548
26	3	LDR Unbiased	7.475	7.4186	-0.0564
27	3	LDR Unbiased	7.1478	7.2057	0.0579
28	3	LDR Unbiased	7.5633	7.4998	-0.0635
29	3	LDR Unbiased	7.2614	7.1823	-0.0791
30	3	LDR Unbiased	7.7862	7.4928	-0.2934
31	10	LDR Unbiased	7.8257	8.096	0.2703
32	10	LDR Unbiased	7.7772	7.9058	0.1286
33	10	LDR Unbiased	7.456	7.5372	0.0812
34	10	LDR Unbiased	7.4332	7.9914	0.5582
35	10	LDR Unbiased	7.4737	7.8226	0.3489
36	30	LDR Unbiased	7.3519	7.3298	-0.0221
37	30	LDR Unbiased	7.836	7.5877	-0.2483
38	30	LDR Unbiased	7.7065	7.5367	-0.1698
39	30	LDR Unbiased	7.1199	7.0493	-0.0706
40	30	LDR Unbiased	7.6879	7.387	-0.3009
41	50	LDR Unbiased	7.7244	7.5959	-0.1285
42	50	LDR Unbiased	7.6122	7.6606	0.0484
43	50	LDR Unbiased	7.3292	7.2667	-0.0625
44	50	LDR Unbiased	7.6499	7.6041	-0.0458
45	50	LDR Unbiased	7.2529	7.3716	0.1187
46	100	LDR Unbiased	7.6853	7.4347	-0.2506
47	100	LDR Unbiased	7.486	7.2227	-0.2633
48	100	LDR Unbiased	7.8167	7.6095	-0.2072
49	100	LDR Unbiased	7.5652	7.7073	0.1421
50	100	LDR Unbiased	7.5135	7.6455	0.132
60	0	Correlation	7.5626	7.3298	-0.2328
61	0	Correlation	7.6407	7.7358	0.0951
62	0	Correlation	7.5698	7.6372	0.0674
63	0	Correlation	7.5828	7.4861	-0.0967
64	0	Correlation	7.2794	7.2549	-0.0245
65	0	Correlation	7.4282	7.496	0.0678

Test Statistics (S)

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	7.2794	7.5106	7.6407	0.13311	7.2549	7.49	7.7358	0.18059	-0.2328	-0.020617	0.0951	0.12632
3	7.1478	7.5483	7.8905	0.24053	7.1823	7.5179	7.894	0.23122	-0.2934	-0.03036	0.0702	0.10954
10	7.4332	7.7024	8.0152	0.18821	7.5372	7.9475	8.2222	0.21105	-0.2432	0.24511	0.5582	0.23776
30	7.1199	7.6059	8.016	0.3053	7.0493	7.4335	7.6785	0.21646	-0.3757	-0.1724	0.0302	0.14025
50	7.2529	7.5341	7.7623	0.17055	7.2667	7.533	7.6857	0.14267	-0.1365	-0.00114	0.1395	0.10226
100	7.486	7.6813	7.947	0.15962	7.2227	7.6093	8.0018	0.25235	-0.2813	-0.07196	0.1421	0.17184

Device Test: 20.13 _GMPS|STATIC/SW/4.5////@EA_COMP_ISWITCH_GM_13A_25C





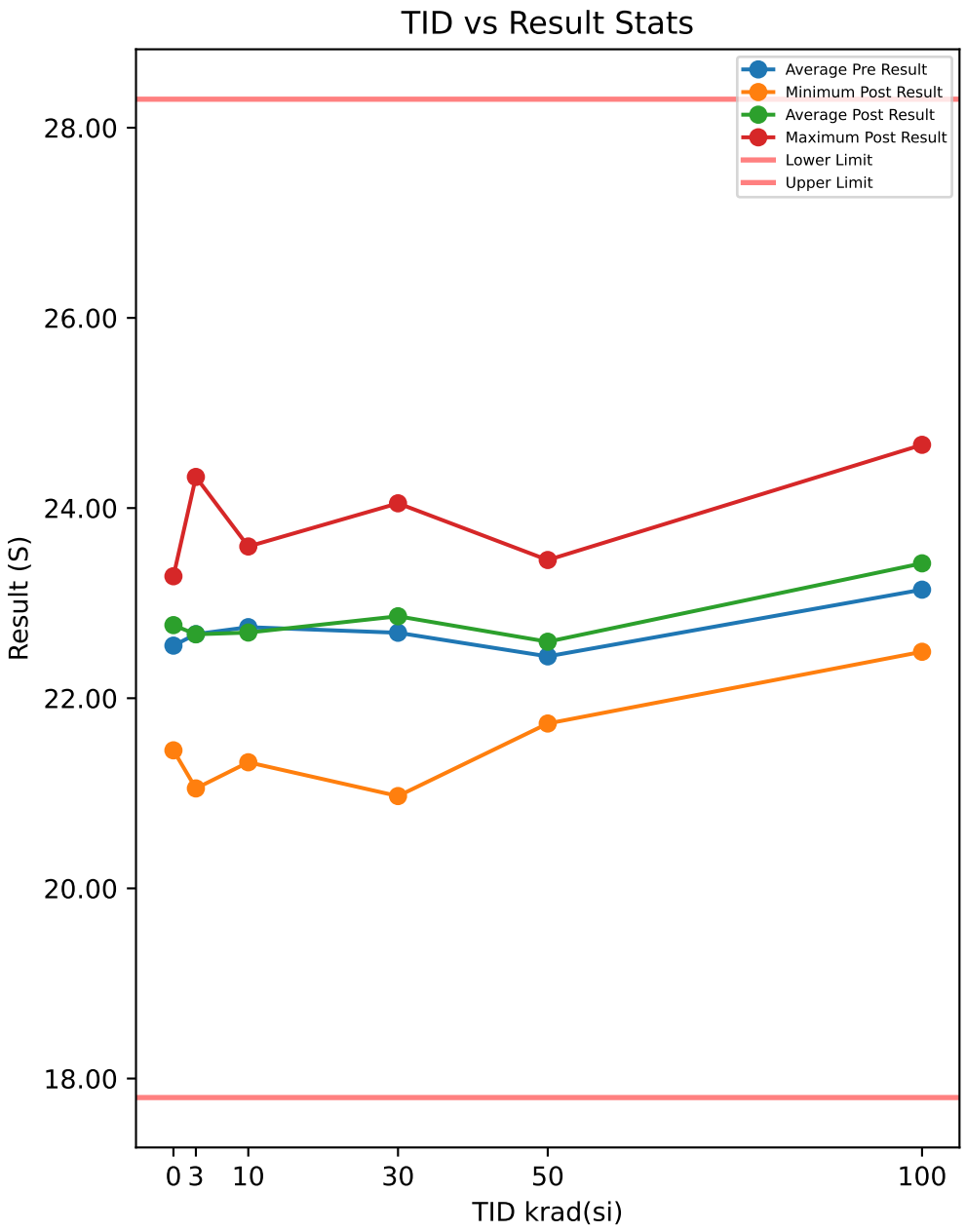
Test Results (Lower Limit = 9.6, Upper Limit = 17.5 (S))

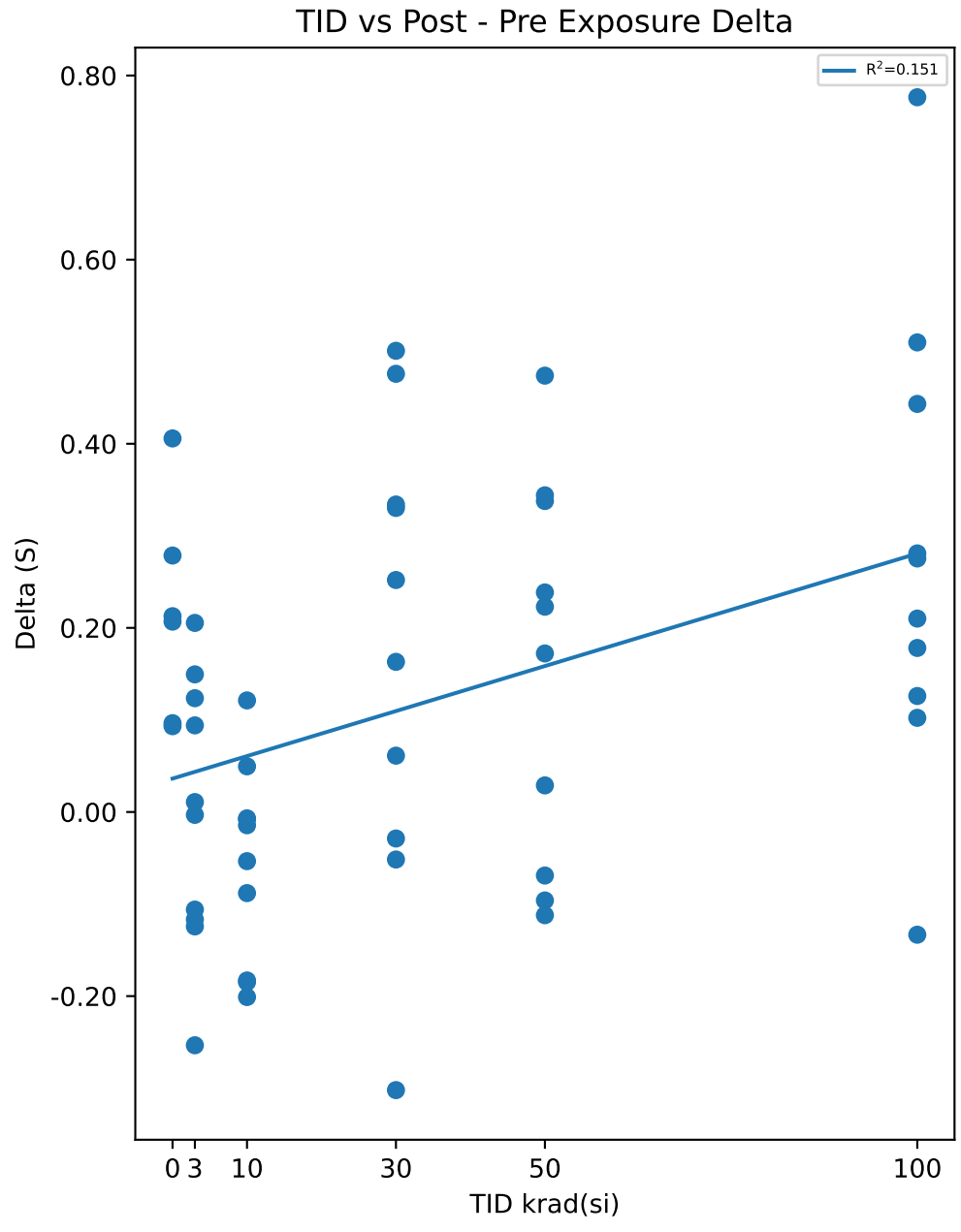
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	LDR Biased	16.054	15.676	-0.3778
2	3	LDR Biased	14.888	14.888	0
3	3	LDR Biased	15.863	15.769	-0.0938
4	3	LDR Biased	16.054	16.25	0.1958
5	3	LDR Biased	16.25	16.152	-0.0985
6	10	LDR Biased	15.863	15.316	-0.5471
7	10	LDR Biased	16.25	15.8	-0.4497
8	10	LDR Biased	15.769	15.494	-0.2751
9	10	LDR Biased	15.229	14.643	-0.5857
10	10	LDR Biased	16.25	15.863	-0.387
11	30	LDR Biased	15.316	15.056	-0.2597
12	30	LDR Biased	15.958	15.769	-0.1887
13	30	LDR Biased	15.676	15.958	0.2816
14	30	LDR Biased	15.863	16.054	0.1911
15	30	LDR Biased	15.958	16.054	0.0961
16	50	LDR Biased	15.405	15.405	0
17	50	LDR Biased	15.316	15.056	-0.2597
18	50	LDR Biased	15.229	15.142	-0.0866
19	50	LDR Biased	14.643	14.724	0.0809
20	50	LDR Biased	15.676	15.863	0.1867
21	100	LDR Biased	15.405	15.405	0
22	100	LDR Biased	15.405	15.494	0.0895
23	100	LDR Biased	15.958	16.25	0.2919
24	100	LDR Biased	14.972	14.724	-0.2482
25	100	LDR Biased	16.25	15.958	-0.2919
26	3	LDR Unbiased	14.972	15.494	0.5221
27	3	LDR Unbiased	14.643	14.563	-0.08
28	3	LDR Unbiased	14.972	15.142	0.1701
29	3	LDR Unbiased	14.724	14.405	-0.3183
30	3	LDR Unbiased	15.405	15.405	0
31	10	LDR Unbiased	15.769	15.615	-0.1541
32	10	LDR Unbiased	15.494	15.554	0.0601
33	10	LDR Unbiased	14.972	14.38	-0.5924
34	10	LDR Unbiased	15.405	15.142	-0.2626
35	10	LDR Unbiased	15.958	15.676	-0.2817
36	30	LDR Unbiased	15.056	15.142	0.0856
37	30	LDR Unbiased	15.863	15.769	-0.0938
38	30	LDR Unbiased	15.229	15.229	0
39	30	LDR Unbiased	14.888	14.806	-0.0828
40	30	LDR Unbiased	15.769	15.863	0.094
41	50	LDR Unbiased	15.405	15.316	-0.0883
42	50	LDR Unbiased	14.972	15.056	0.0845
43	50	LDR Unbiased	15.405	15.229	-0.176
44	50	LDR Unbiased	15.769	15.585	-0.1845
45	50	LDR Unbiased	15.056	14.806	-0.2509
46	100	LDR Unbiased	15.316	14.806	-0.5104
47	100	LDR Unbiased	14.888	15.142	0.2537
48	100	LDR Unbiased	16.25	15.958	-0.292
49	100	LDR Unbiased	15.405	15.769	0.3647
50	100	LDR Unbiased	15.677	15.316	-0.3604
60	0	Correlation	15.405	15.405	0
61	0	Correlation	15.405	15.585	0.1802
62	0	Correlation	15.676	15.585	-0.0916
63	0	Correlation	15.229	15.585	0.3562
64	0	Correlation	14.563	14.643	0.08
65	0	Correlation	15.142	15.229	0.0866

Test Statistics (S)

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	14.563	15.237	15.676	0.37756	14.643	15.338	15.585	0.3694	-0.0916	0.1019	0.3562	0.15449
3	14.643	15.382	16.25	0.61905	14.405	15.374	16.25	0.62548	-0.3778	-0.00804	0.5221	0.25995
10	14.972	15.696	16.25	0.42028	14.38	15.348	15.863	0.49348	-0.5924	-0.34753	0.0601	0.20787
30	14.888	15.558	15.958	0.39886	14.806	15.57	16.054	0.46339	-0.2597	0.01234	0.2816	0.16944
50	14.643	15.288	15.769	0.33289	14.724	15.218	15.863	0.34442	-0.2597	-0.06939	0.1867	0.15315
100	14.888	15.552	16.25	0.47758	14.724	15.482	16.25	0.50633	-0.5104	-0.07031	0.3647	0.30977

Device Test: 20.18 _GMPS|STATIC/SW/4.5////@EA_COMP_ISWITCH_GM_0P5V_19A





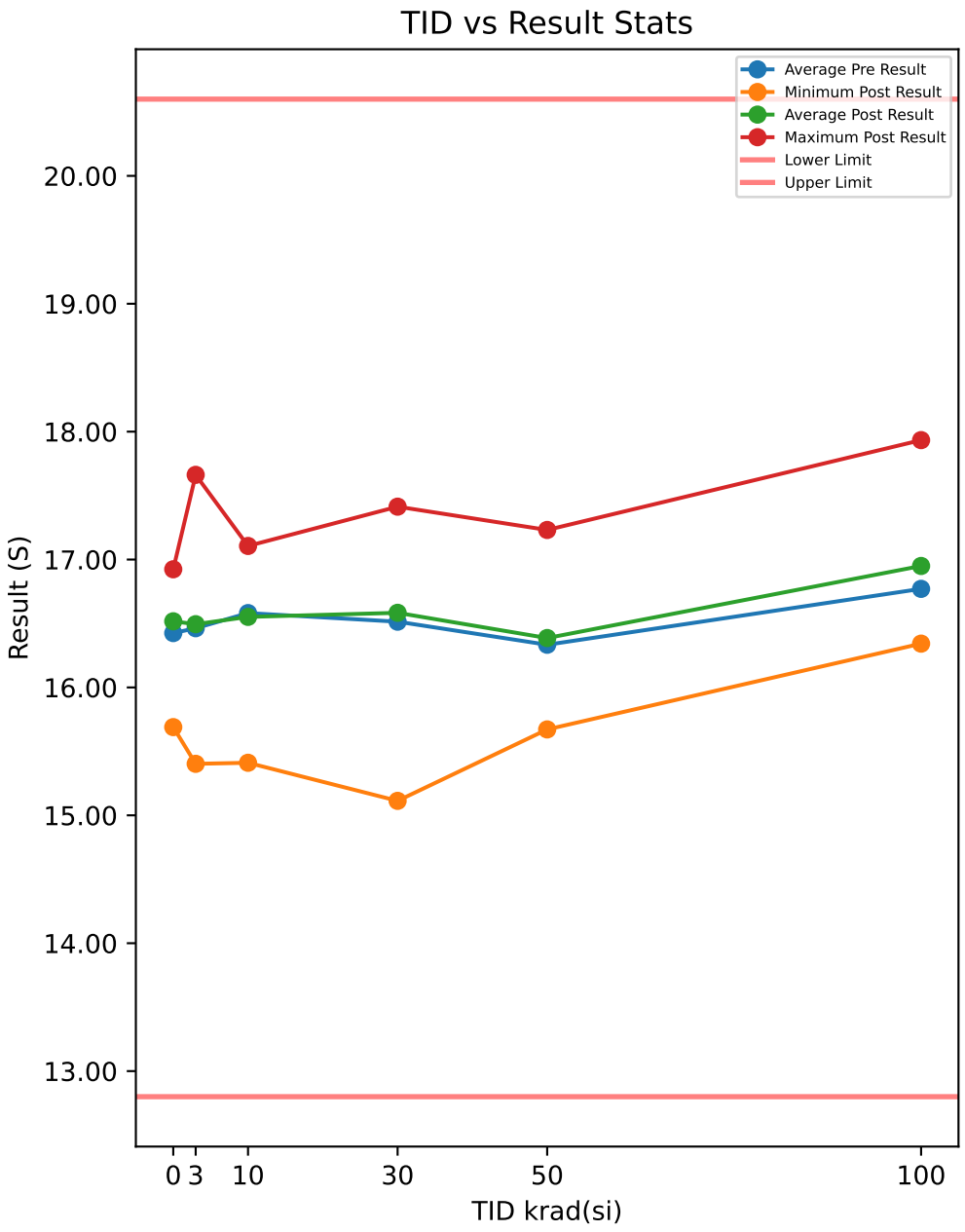
Test Results (Lower Limit = 17.8, Upper Limit = 28.3 (S))

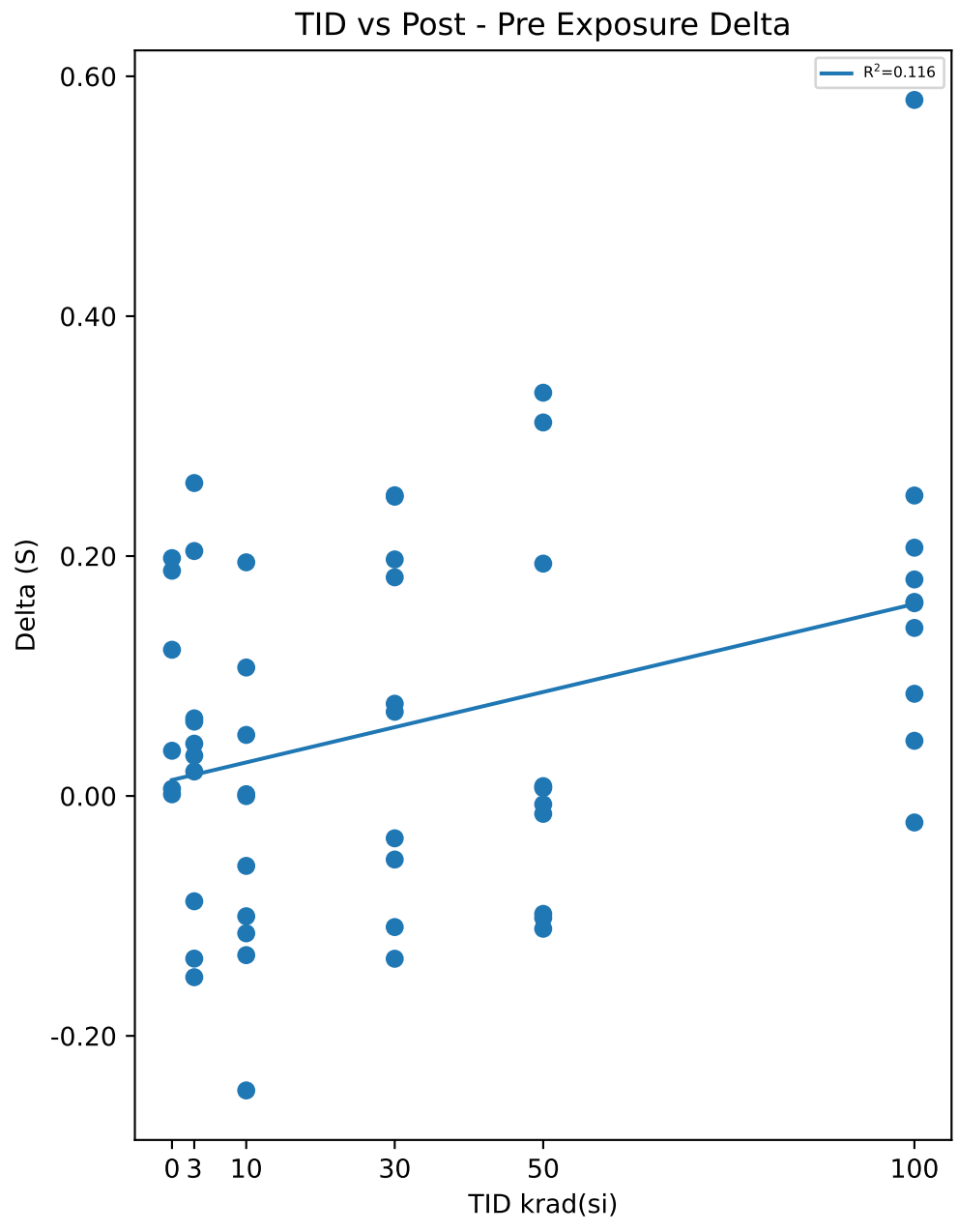
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	LDR Biased	23.397	23.394	-0.0031
2	3	LDR Biased	21.851	21.745	-0.106
3	3	LDR Biased	24.58	24.327	-0.2534
4	3	LDR Biased	24.204	24.327	0.1236
5	3	LDR Biased	22.884	22.979	0.0941
6	10	LDR Biased	22.862	22.677	-0.1847
7	10	LDR Biased	23.04	23.032	-0.0079
8	10	LDR Biased	23.377	23.289	-0.0881
9	10	LDR Biased	21.764	21.749	-0.0144
10	10	LDR Biased	23.797	23.596	-0.201
11	30	LDR Biased	21.91	22.162	0.252
12	30	LDR Biased	23.699	24.029	0.3303
13	30	LDR Biased	23.386	23.549	0.1631
14	30	LDR Biased	24.079	24.05	-0.0288
15	30	LDR Biased	22.282	22.616	0.334
16	50	LDR Biased	22.77	22.658	-0.1121
17	50	LDR Biased	22.113	22.286	0.1722
18	50	LDR Biased	22.514	22.418	-0.0961
19	50	LDR Biased	21.511	21.734	0.223
20	50	LDR Biased	23.425	23.453	0.0289
21	100	LDR Biased	22.752	22.854	0.1023
22	100	LDR Biased	22.495	22.776	0.2809
23	100	LDR Biased	23.37	24.147	0.7764
24	100	LDR Biased	22.683	22.893	0.2101
25	100	LDR Biased	24.798	24.665	-0.1333
26	3	LDR Unbiased	22.705	22.715	0.0108
27	3	LDR Unbiased	20.846	21.051	0.2054
28	3	LDR Unbiased	21.939	21.823	-0.1167
29	3	LDR Unbiased	21.372	21.247	-0.1243
30	3	LDR Unbiased	22.962	23.112	0.1495
31	10	LDR Unbiased	22.213	22.334	0.1212
32	10	LDR Unbiased	23.302	23.295	-0.0069
33	10	LDR Unbiased	21.277	21.326	0.0496
34	10	LDR Unbiased	23.024	22.97	-0.0534
35	10	LDR Unbiased	22.819	22.636	-0.183
36	30	LDR Unbiased	22.166	22.642	0.476
37	30	LDR Unbiased	22.868	22.93	0.0612
38	30	LDR Unbiased	22.938	22.887	-0.0516
39	30	LDR Unbiased	21.273	20.971	-0.3021
40	30	LDR Unbiased	22.283	22.784	0.501
41	50	LDR Unbiased	23.206	23.444	0.2385
42	50	LDR Unbiased	22.009	22.483	0.474
43	50	LDR Unbiased	22.696	23.04	0.344
44	50	LDR Unbiased	22.72	22.651	-0.069
45	50	LDR Unbiased	21.438	21.775	0.3378
46	100	LDR Unbiased	22.362	22.488	0.126
47	100	LDR Unbiased	22.688	23.132	0.4433
48	100	LDR Unbiased	24.017	24.292	0.2754
49	100	LDR Unbiased	23.253	23.763	0.5101
50	100	LDR Unbiased	22.997	23.175	0.1782
60	0	Correlation	22.45	22.856	0.4058
61	0	Correlation	23.076	23.283	0.2068
62	0	Correlation	22.738	22.835	0.0965
63	0	Correlation	22.833	22.926	0.0932
64	0	Correlation	21.239	21.452	0.2127
65	0	Correlation	22.982	23.26	0.2786

Test Statistics (S)

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	21.239	22.553	23.076	0.67923	21.452	22.769	23.283	0.67481	0.0932	0.2156	0.4058	0.11781
3	20.846	22.674	24.58	1.1963	21.051	22.672	24.327	1.1797	-0.2534	-0.00201	0.2054	0.14654
10	21.277	22.747	23.797	0.77476	21.326	22.69	23.596	0.71614	-0.201	-0.05686	0.1212	0.10737
30	21.273	22.688	24.079	0.86588	20.971	22.862	24.05	0.90874	-0.3021	0.17351	0.501	0.25512
50	21.438	22.44	23.425	0.66454	21.734	22.594	23.453	0.59775	-0.1121	0.15412	0.474	0.20636
100	22.362	23.142	24.798	0.7593	22.488	23.419	24.665	0.74383	-0.1333	0.27694	0.7764	0.25107

Device Test: 20.19 _GMPS|STATIC/SW/4.5////@EA_COMP_ISWITCH_GM_0P5V_13A





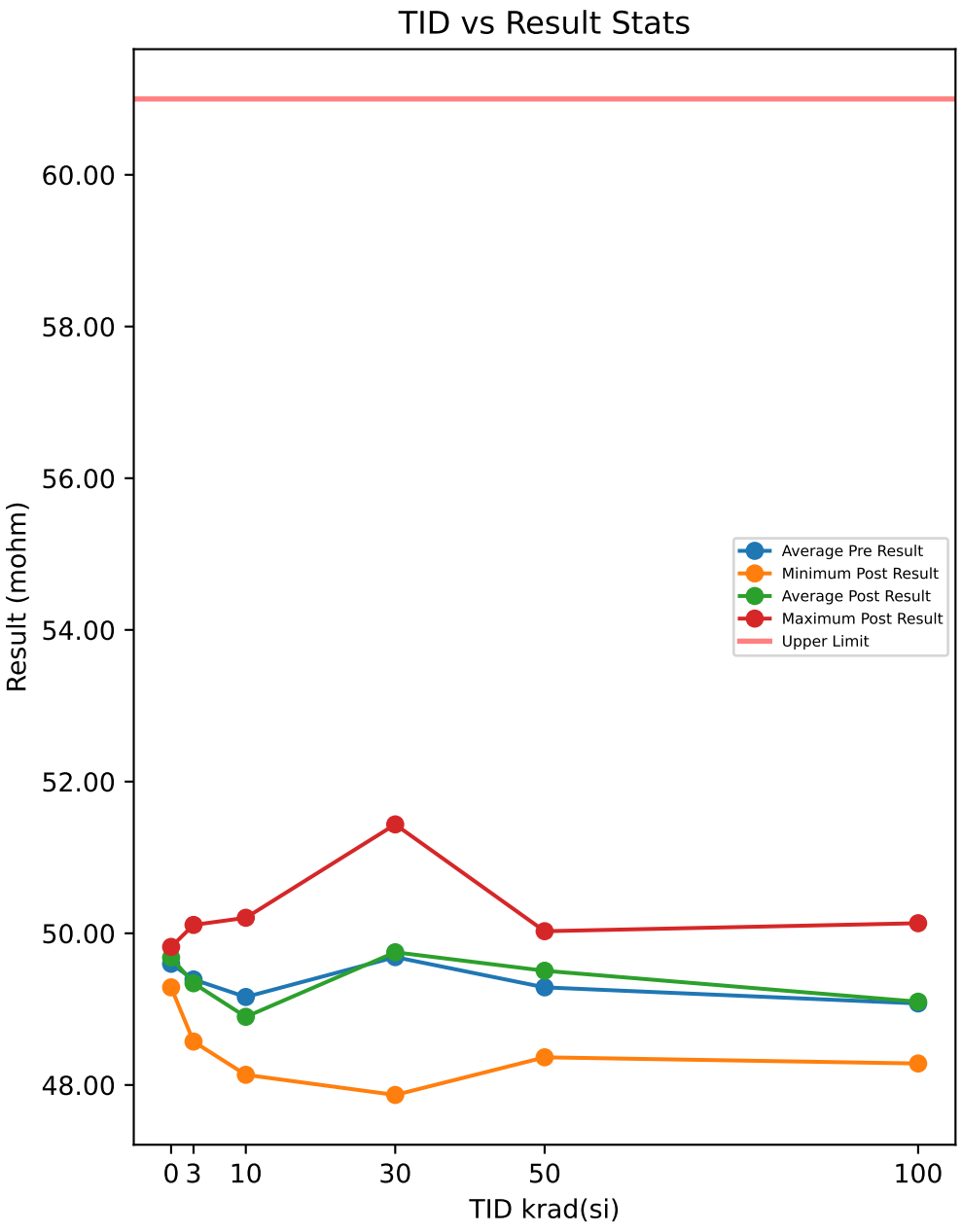
Test Results (Lower Limit = 12.8, Upper Limit = 20.6 (S))

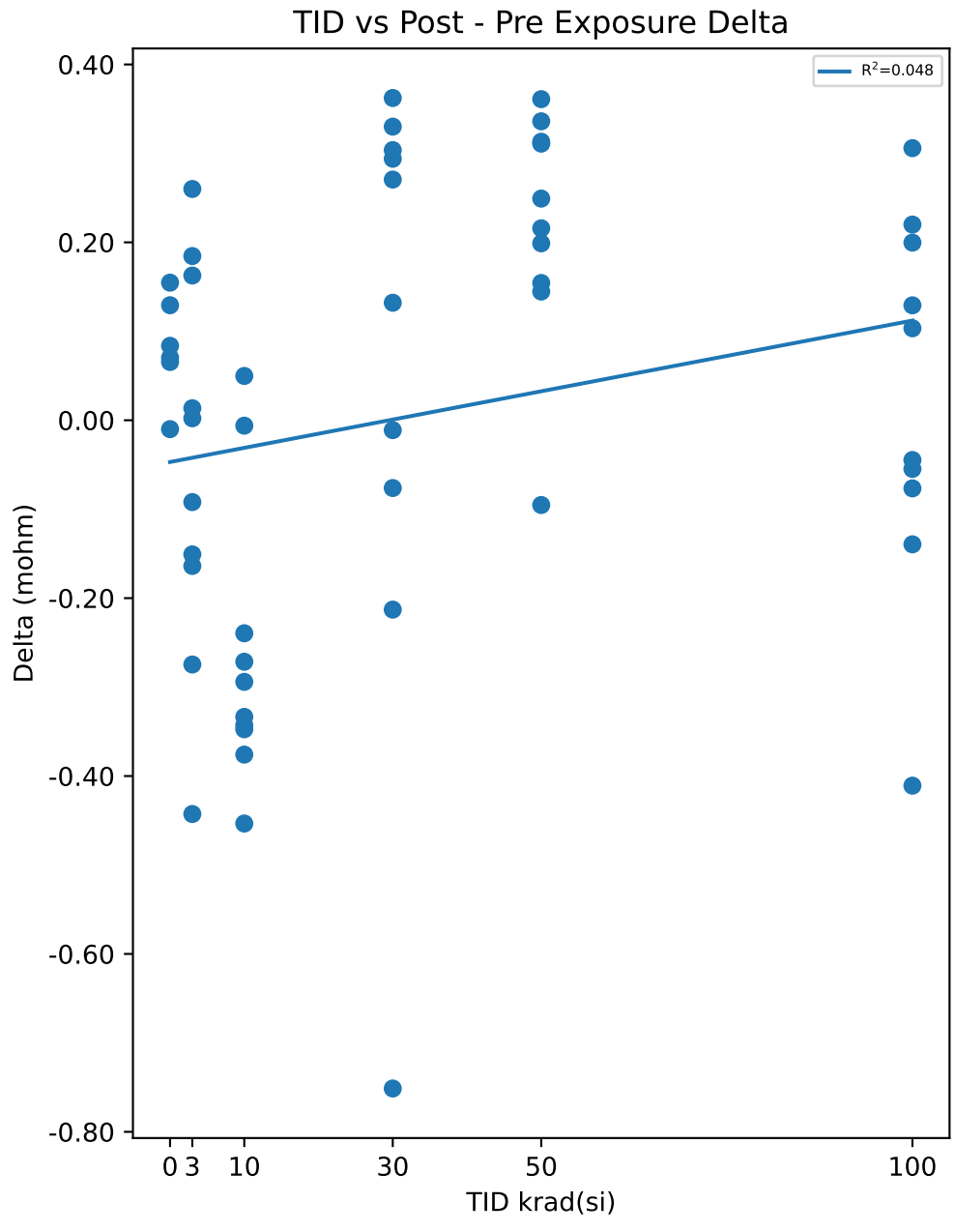
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	LDR Biased	16.779	16.691	-0.0878
2	3	LDR Biased	15.858	15.707	-0.1511
3	3	LDR Biased	17.798	17.662	-0.1356
4	3	LDR Biased	17.596	17.64	0.0436
5	3	LDR Biased	16.405	16.666	0.2609
6	10	LDR Biased	16.724	16.726	0.0015
7	10	LDR Biased	16.863	16.805	-0.0583
8	10	LDR Biased	17.14	16.895	-0.2455
9	10	LDR Biased	15.927	15.794	-0.1327
10	10	LDR Biased	17.221	17.106	-0.1145
11	30	LDR Biased	16.091	16.161	0.0702
12	30	LDR Biased	17.196	17.394	0.1972
13	30	LDR Biased	16.89	16.781	-0.1093
14	30	LDR Biased	17.466	17.413	-0.053
15	30	LDR Biased	16.13	16.312	0.1823
16	50	LDR Biased	16.502	16.391	-0.1107
17	50	LDR Biased	16.252	16.259	0.0066
18	50	LDR Biased	16.348	16.246	-0.1017
19	50	LDR Biased	15.77	15.672	-0.0983
20	50	LDR Biased	17.038	17.231	0.1937
21	100	LDR Biased	16.552	16.598	0.046
22	100	LDR Biased	16.162	16.342	0.1805
23	100	LDR Biased	17.035	17.616	0.5803
24	100	LDR Biased	16.204	16.454	0.2505
25	100	LDR Biased	17.956	17.934	-0.0221
26	3	LDR Unbiased	16.5	16.52	0.0204
27	3	LDR Unbiased	15.369	15.403	0.0336
28	3	LDR Unbiased	15.837	16.042	0.2042
29	3	LDR Unbiased	15.721	15.783	0.062
30	3	LDR Unbiased	16.765	16.83	0.0647
31	10	LDR Unbiased	16.251	16.446	0.1948
32	10	LDR Unbiased	16.823	16.823	-0.0001
33	10	LDR Unbiased	15.511	15.411	-0.1003
34	10	LDR Unbiased	16.81	16.918	0.1071
35	10	LDR Unbiased	16.543	16.594	0.0509
36	30	LDR Unbiased	16.271	16.521	0.2495
37	30	LDR Unbiased	16.739	16.816	0.0769
38	30	LDR Unbiased	16.608	16.573	-0.0353
39	30	LDR Unbiased	15.249	15.113	-0.1357
40	30	LDR Unbiased	16.5	16.751	0.2507
41	50	LDR Unbiased	16.928	16.914	-0.0149
42	50	LDR Unbiased	15.87	16.182	0.3114
43	50	LDR Unbiased	16.3	16.637	0.3362
44	50	LDR Unbiased	16.477	16.485	0.0082
45	50	LDR Unbiased	15.854	15.847	-0.007
46	100	LDR Unbiased	16.221	16.427	0.207
47	100	LDR Unbiased	16.597	16.737	0.1401
48	100	LDR Unbiased	17.386	17.471	0.0852
49	100	LDR Unbiased	17.04	17.202	0.1618
50	100	LDR Unbiased	16.556	16.716	0.1607
60	0	Correlation	16.33	16.331	0.0014
61	0	Correlation	16.736	16.924	0.1878
62	0	Correlation	16.377	16.575	0.1983
63	0	Correlation	16.756	16.762	0.006
64	0	Correlation	15.568	15.69	0.1219
65	0	Correlation	16.784	16.821	0.0377

Test Statistics (S)

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	15.568	16.425	16.784	0.4649	15.69	16.517	16.924	0.45609	0.0014	0.092183	0.1983	0.089358
3	15.369	16.463	17.798	0.80041	15.403	16.494	17.662	0.77313	-0.1511	0.03149	0.2609	0.13344
10	15.511	16.581	17.221	0.53913	15.411	16.552	17.106	0.53906	-0.2455	-0.02971	0.1948	0.12808
30	15.249	16.514	17.466	0.62896	15.113	16.583	17.413	0.65696	-0.1357	0.06935	0.2507	0.14696
50	15.77	16.334	17.038	0.43063	15.672	16.386	17.231	0.46478	-0.1107	0.05235	0.3362	0.16758
100	16.162	16.771	17.956	0.58162	16.342	16.95	17.934	0.5635	-0.0221	0.179	0.5803	0.16194

Device Test: 20.2 _LEVEL|HIGHSIDE/SW/4.5/2///@R_HIGHSIDE_4V_25C





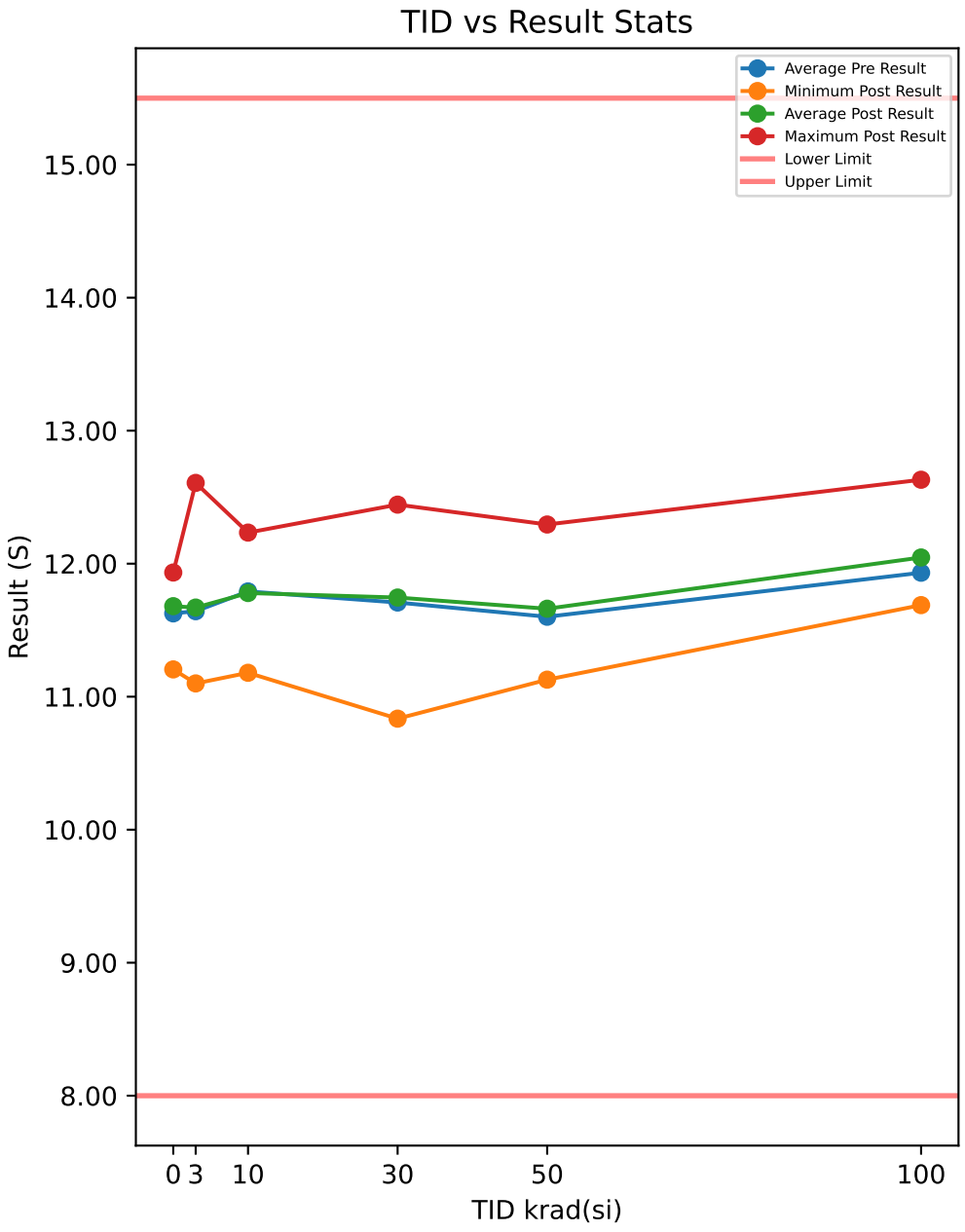
Test Results (Upper Limit = 61.0 (mohm))

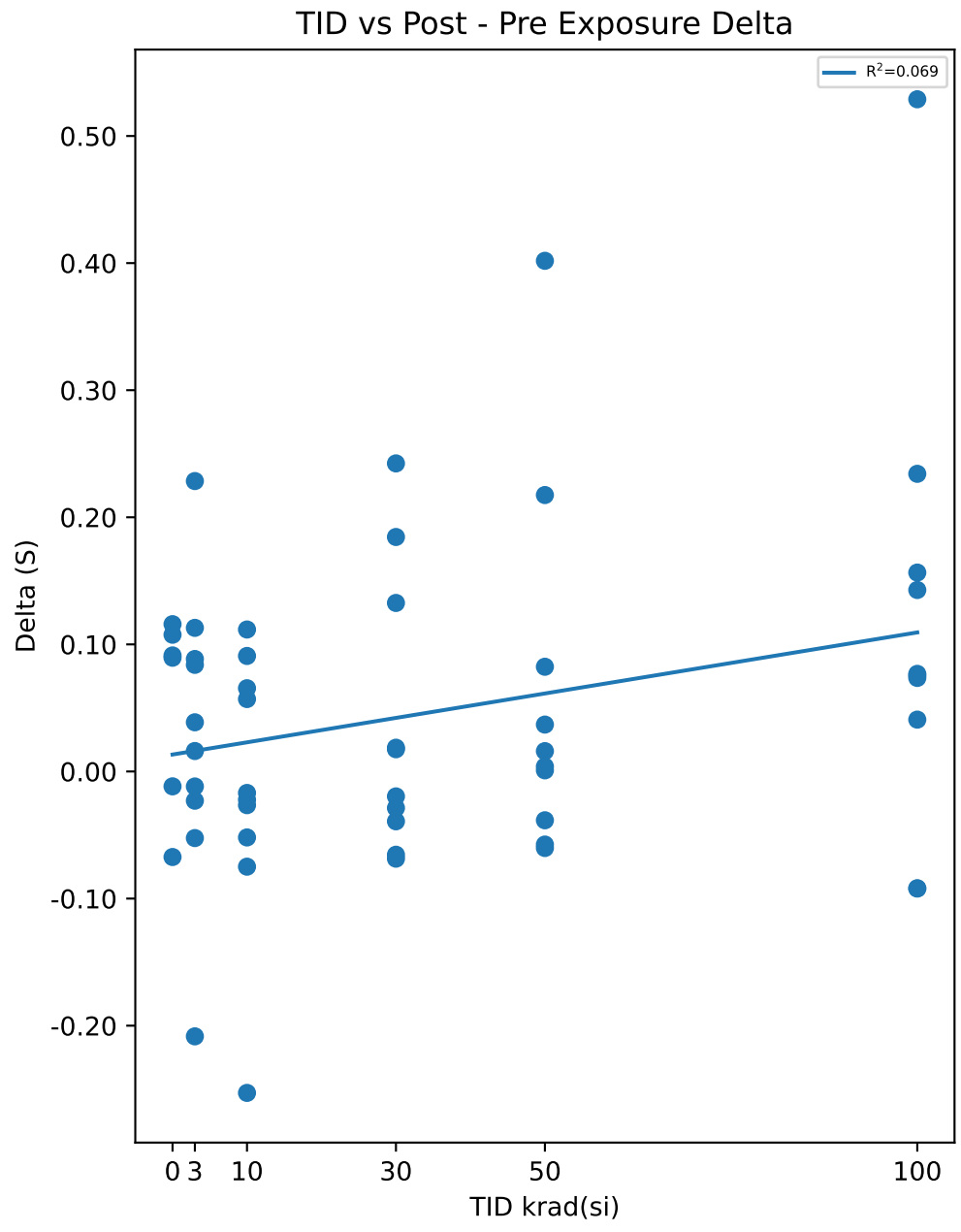
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	LDR Biased	49.682	49.239	-0.4427
2	3	LDR Biased	49.635	49.36	-0.2746
3	3	LDR Biased	48.79	48.639	-0.1508
4	3	LDR Biased	48.665	48.573	-0.092
5	3	LDR Biased	49.727	49.74	0.0135
6	10	LDR Biased	48.633	48.299	-0.3335
7	10	LDR Biased	49.2	48.747	-0.4534
8	10	LDR Biased	49.312	49.018	-0.2941
9	10	LDR Biased	48.459	48.187	-0.2715
10	10	LDR Biased	48.943	48.596	-0.3474
11	30	LDR Biased	50.247	50.034	-0.2129
12	30	LDR Biased	48.62	47.869	-0.7513
13	30	LDR Biased	49.333	49.465	0.1321
14	30	LDR Biased	49.184	49.107	-0.0762
15	30	LDR Biased	51.106	51.436	0.3301
16	50	LDR Biased	49.336	49.49	0.1543
17	50	LDR Biased	49.207	49.423	0.2158
18	50	LDR Biased	49.883	50.027	0.1447
19	50	LDR Biased	49.369	49.682	0.3131
20	50	LDR Biased	49.634	49.539	-0.0953
21	100	LDR Biased	48.694	48.283	-0.4108
22	100	LDR Biased	49.894	49.817	-0.0766
23	100	LDR Biased	48.592	48.537	-0.0547
24	100	LDR Biased	48.678	48.633	-0.0447
25	100	LDR Biased	48.171	48.37	0.1997
26	3	LDR Unbiased	50.201	50.038	-0.1638
27	3	LDR Unbiased	49.258	49.42	0.1627
28	3	LDR Unbiased	49.365	49.625	0.26
29	3	LDR Unbiased	49.926	50.11	0.1846
30	3	LDR Unbiased	48.666	48.668	0.0022
31	10	LDR Unbiased	48.51	48.134	-0.3759
32	10	LDR Unbiased	50.283	49.94	-0.3429
33	10	LDR Unbiased	48.901	48.662	-0.2395
34	10	LDR Unbiased	49.204	49.198	-0.0061
35	10	LDR Unbiased	50.155	50.205	0.0498
36	30	LDR Unbiased	50.037	50.026	-0.0111
37	30	LDR Unbiased	49.224	49.494	0.2706
38	30	LDR Unbiased	48.645	48.939	0.294
39	30	LDR Unbiased	50.814	51.118	0.3037
40	30	LDR Unbiased	49.649	50.012	0.3623
41	50	LDR Unbiased	48.054	48.365	0.311
42	50	LDR Unbiased	48.812	49.011	0.1989
43	50	LDR Unbiased	49.61	49.946	0.3361
44	50	LDR Unbiased	49.741	49.99	0.2492
45	50	LDR Unbiased	49.226	49.587	0.361
46	100	LDR Unbiased	48.965	49.094	0.1292
47	100	LDR Unbiased	49.882	49.985	0.1034
48	100	LDR Unbiased	48.539	48.4	-0.1395
49	100	LDR Unbiased	49.913	50.133	0.22
50	100	LDR Unbiased	49.424	49.73	0.3059
60	0	Correlation	49.679	49.763	0.0837
61	0	Correlation	49.722	49.712	-0.01
62	0	Correlation	49.217	49.287	0.0704
63	0	Correlation	49.741	49.806	0.0655
64	0	Correlation	49.691	49.821	0.1293
65	0	Correlation	49.536	49.691	0.1547

Test Statistics (mohm)

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	49.217	49.598	49.741	0.2003	49.287	49.68	49.821	0.19914	-0.01	0.082267	0.1547	0.057264
3	48.665	49.391	50.201	0.54079	48.573	49.341	50.11	0.56466	-0.4427	-0.05009	0.26	0.21926
10	48.459	49.16	50.283	0.631	48.134	48.899	50.205	0.70824	-0.4534	-0.26145	0.0498	0.16086
30	48.62	49.686	51.106	0.85248	47.869	49.75	51.436	1.038	-0.7513	0.06413	0.3623	0.34708
50	48.054	49.287	49.883	0.53237	48.365	49.506	50.027	0.50472	-0.0953	0.21888	0.361	0.13375
100	48.171	49.075	49.913	0.64962	48.283	49.098	50.133	0.74427	-0.4108	0.02319	0.3059	0.21159

Device Test: 20.20 _GMPS|STATIC/SW/4.5////@EA_COMP_ISWITCH_GM_9A





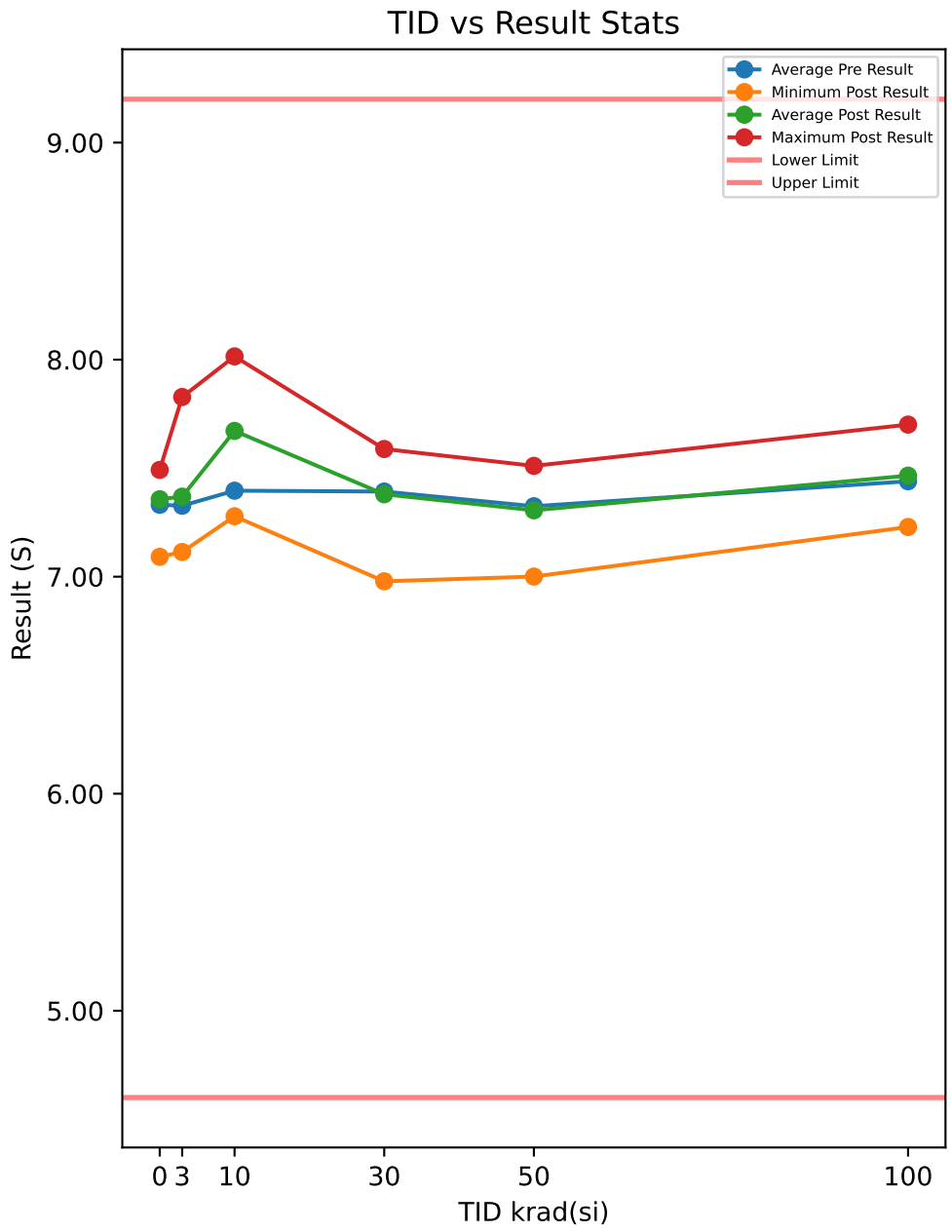
Test Results (Lower Limit = 8.0, Upper Limit = 15.5 (S))

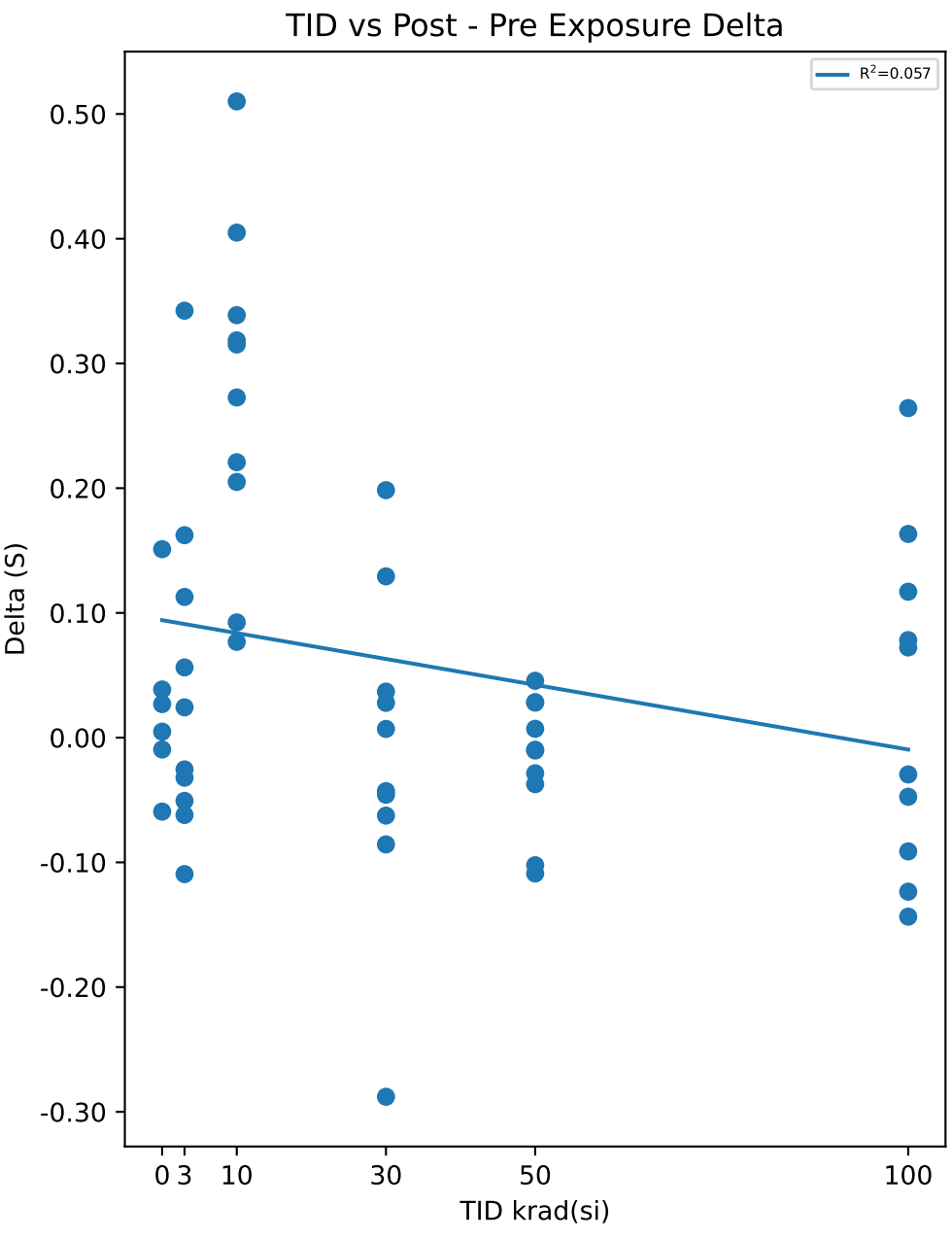
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	LDR Biased	11.716	11.704	-0.0118
2	3	LDR Biased	11.394	11.186	-0.2084
3	3	LDR Biased	12.569	12.607	0.0387
4	3	LDR Biased	12.274	12.387	0.113
5	3	LDR Biased	11.528	11.505	-0.023
6	10	LDR Biased	11.747	11.695	-0.0519
7	10	LDR Biased	11.948	11.926	-0.0222
8	10	LDR Biased	12.278	12.025	-0.2529
9	10	LDR Biased	11.279	11.391	0.1117
10	10	LDR Biased	12.251	12.234	-0.0169
11	30	LDR Biased	11.359	11.33	-0.0287
12	30	LDR Biased	12.202	12.444	0.2424
13	30	LDR Biased	11.728	11.913	0.1845
14	30	LDR Biased	12.369	12.388	0.0187
15	30	LDR Biased	11.499	11.516	0.0175
16	50	LDR Biased	11.713	11.717	0.0039
17	50	LDR Biased	11.633	11.575	-0.0575
18	50	LDR Biased	11.52	11.603	0.0824
19	50	LDR Biased	11.309	11.325	0.016
20	50	LDR Biased	12.077	12.295	0.2175
21	100	LDR Biased	11.791	11.867	0.0768
22	100	LDR Biased	11.552	11.694	0.1428
23	100	LDR Biased	12.102	12.631	0.5289
24	100	LDR Biased	11.71	11.751	0.0408
25	100	LDR Biased	12.656	12.564	-0.0921
26	3	LDR Unbiased	11.707	11.723	0.0161
27	3	LDR Unbiased	10.871	11.1	0.2285
28	3	LDR Unbiased	11.342	11.431	0.0885
29	3	LDR Unbiased	11.137	11.221	0.0839
30	3	LDR Unbiased	11.888	11.836	-0.0524
31	10	LDR Unbiased	11.723	11.788	0.0655
32	10	LDR Unbiased	11.841	11.932	0.0909
33	10	LDR Unbiased	11.123	11.18	0.057
34	10	LDR Unbiased	11.853	11.826	-0.0265
35	10	LDR Unbiased	11.872	11.797	-0.0749
36	30	LDR Unbiased	11.421	11.353	-0.0686
37	30	LDR Unbiased	11.995	11.929	-0.0655
38	30	LDR Unbiased	11.876	11.856	-0.0196
39	30	LDR Unbiased	10.874	10.835	-0.0392
40	30	LDR Unbiased	11.757	11.89	0.1326
41	50	LDR Unbiased	12.124	12.063	-0.0602
42	50	LDR Unbiased	11.41	11.447	0.0369
43	50	LDR Unbiased	11.235	11.637	0.4018
44	50	LDR Unbiased	11.822	11.823	0.0009
45	50	LDR Unbiased	11.166	11.128	-0.0384
46	100	LDR Unbiased	11.674	11.831	0.1565
47	100	LDR Unbiased	11.78	11.688	-0.0919
48	100	LDR Unbiased	12.384	12.459	0.0755
49	100	LDR Unbiased	11.976	12.211	0.2342
50	100	LDR Unbiased	11.695	11.769	0.0736
60	0	Correlation	11.488	11.421	-0.0673
61	0	Correlation	11.938	11.927	-0.0117
62	0	Correlation	11.733	11.825	0.0913
63	0	Correlation	11.844	11.934	0.0895
64	0	Correlation	11.089	11.205	0.1159
65	0	Correlation	11.665	11.772	0.1076

Test Statistics (S)

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	11.089	11.626	11.938	0.30511	11.205	11.681	11.934	0.29915	-0.0673	0.054217	0.1159	0.075347
3	10.871	11.643	12.569	0.51015	11.1	11.67	12.607	0.5023	-0.2084	0.02731	0.2285	0.11595
10	11.123	11.791	12.278	0.3654	11.18	11.779	12.234	0.30405	-0.2529	-0.01202	0.1117	0.10571
30	10.874	11.708	12.369	0.4394	10.835	11.745	12.444	0.4949	-0.0686	0.03741	0.2424	0.10994
50	11.166	11.601	12.124	0.33547	11.128	11.661	12.295	0.341	-0.0602	0.06033	0.4018	0.14498
100	11.552	11.932	12.656	0.35268	11.688	12.047	12.631	0.38045	-0.0921	0.11451	0.5289	0.17762

Device Test: 20.21 _GMPS|STATIC/SW/4.5////@EA_COMP_ISWITCH_GM_6A





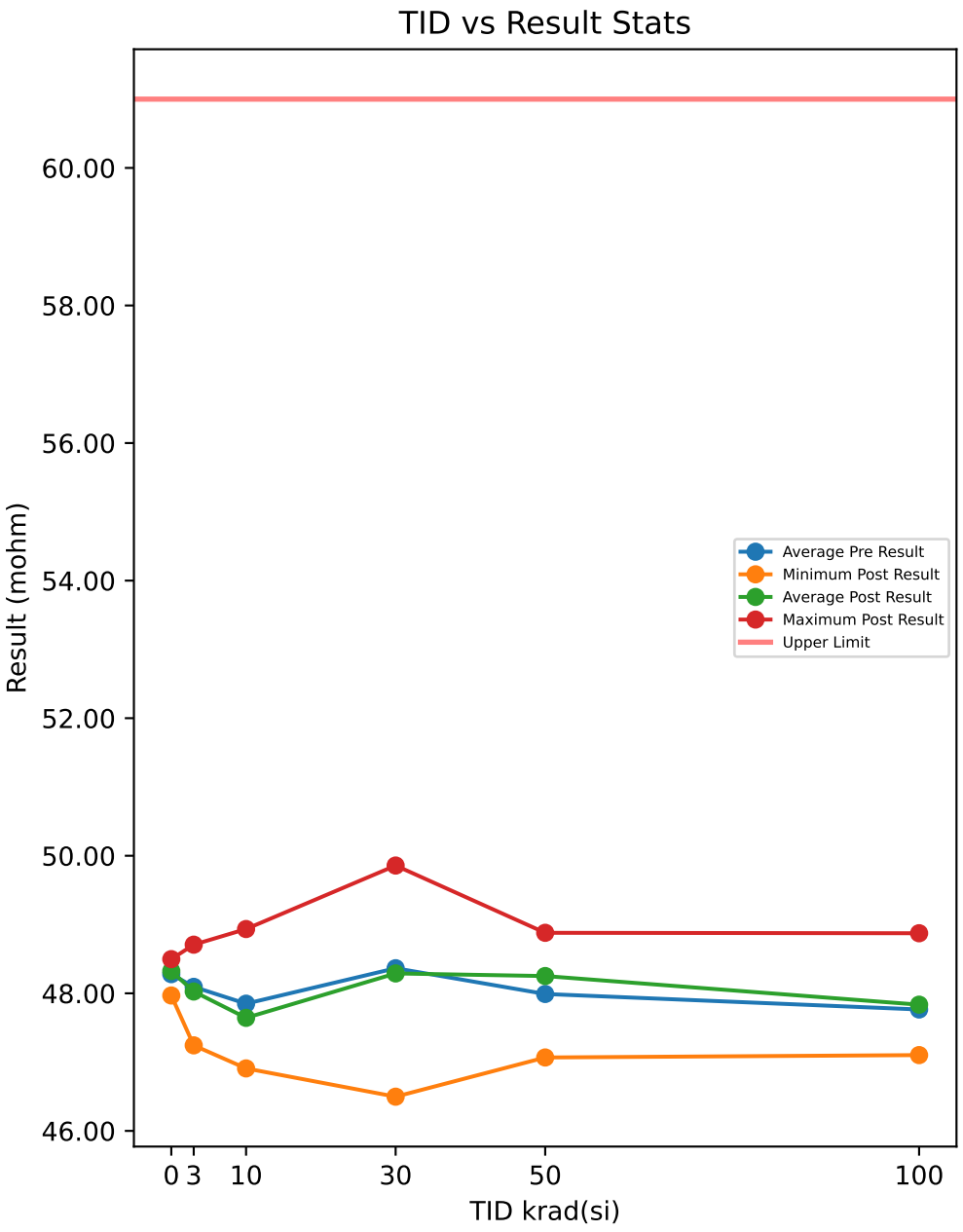
Test Results (Lower Limit = 4.6, Upper Limit = 9.2 (S))

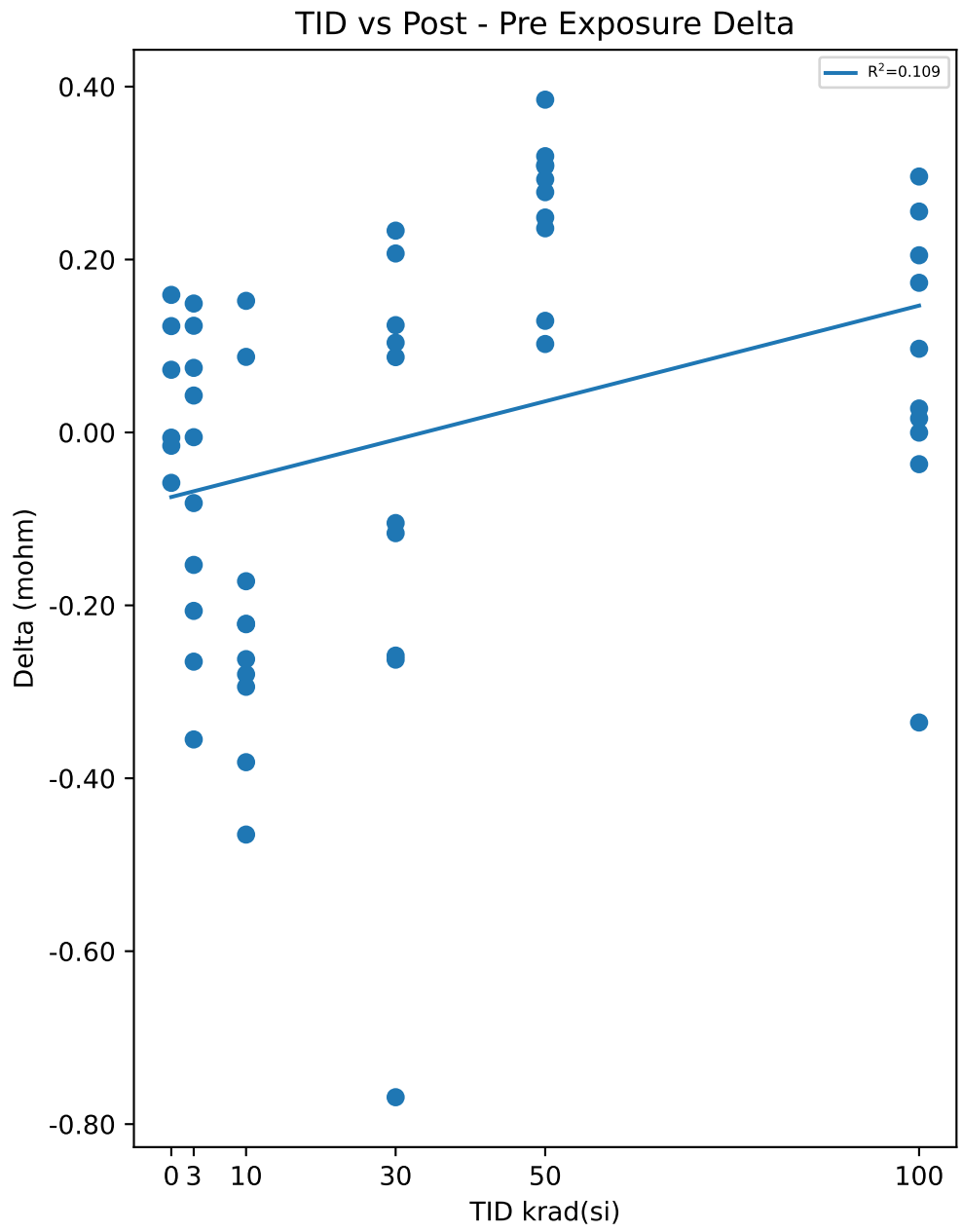
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	LDR Biased	7.3481	7.2387	-0.1094
2	3	LDR Biased	7.282	7.2565	-0.0255
3	3	LDR Biased	7.6492	7.5985	-0.0507
4	3	LDR Biased	7.4855	7.8278	0.3423
5	3	LDR Biased	7.5427	7.4807	-0.062
6	10	LDR Biased	7.3245	7.643	0.3185
7	10	LDR Biased	7.4869	7.8021	0.3152
8	10	LDR Biased	7.4338	7.9439	0.5101
9	10	LDR Biased	7.1598	7.4325	0.2727
10	10	LDR Biased	7.6762	8.0149	0.3387
11	30	LDR Biased	7.3186	7.0307	-0.2879
12	30	LDR Biased	7.6069	7.564	-0.0429
13	30	LDR Biased	7.5096	7.5166	0.007
14	30	LDR Biased	7.6029	7.5404	-0.0625
15	30	LDR Biased	7.1817	7.3801	0.1984
16	50	LDR Biased	7.3998	7.3625	-0.0373
17	50	LDR Biased	7.4279	7.4735	0.0456
18	50	LDR Biased	7.2474	7.2377	-0.0097
19	50	LDR Biased	7.2498	7.2212	-0.0286
20	50	LDR Biased	7.5539	7.4516	-0.1023
21	100	LDR Biased	7.4723	7.3488	-0.1235
22	100	LDR Biased	7.6018	7.5106	-0.0912
23	100	LDR Biased	7.5374	7.7007	0.1633
24	100	LDR Biased	7.1268	7.391	0.2642
25	100	LDR Biased	7.485	7.5632	0.0782
26	3	LDR Unbiased	7.2945	7.4073	0.1128
27	3	LDR Unbiased	7.0894	7.1137	0.0243
28	3	LDR Unbiased	7.2866	7.3429	0.0563
29	3	LDR Unbiased	6.9843	7.1466	0.1623
30	3	LDR Unbiased	7.307	7.2749	-0.0321
31	10	LDR Unbiased	7.4514	7.5282	0.0768
32	10	LDR Unbiased	7.5408	7.6332	0.0924
33	10	LDR Unbiased	7.0733	7.2783	0.205
34	10	LDR Unbiased	7.393	7.7979	0.4049
35	10	LDR Unbiased	7.422	7.6428	0.2208
36	30	LDR Unbiased	7.0844	7.2137	0.1293
37	30	LDR Unbiased	7.6341	7.5883	-0.0458
38	30	LDR Unbiased	7.5438	7.4582	-0.0856
39	30	LDR Unbiased	6.9508	6.9787	0.0279
40	30	LDR Unbiased	7.4893	7.5262	0.0369
41	50	LDR Unbiased	7.4394	7.3305	-0.1089
42	50	LDR Unbiased	7.2697	7.2981	0.0284
43	50	LDR Unbiased	7.1433	7.1714	0.0281
44	50	LDR Unbiased	7.5208	7.5105	-0.0103
45	50	LDR Unbiased	6.9934	7.0005	0.0071
46	100	LDR Unbiased	7.3808	7.2373	-0.1435
47	100	LDR Unbiased	7.2584	7.2289	-0.0295
48	100	LDR Unbiased	7.5983	7.5509	-0.0474
49	100	LDR Unbiased	7.5047	7.577	0.0723
50	100	LDR Unbiased	7.4301	7.5471	0.117
60	0	Correlation	7.2903	7.2951	0.0048
61	0	Correlation	7.4328	7.4714	0.0386
62	0	Correlation	7.4547	7.4816	0.0269
63	0	Correlation	7.3409	7.492	0.1511
64	0	Correlation	7.101	7.0915	-0.0095
65	0	Correlation	7.3675	7.3082	-0.0593

Test Statistics (S)

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	7.101	7.3312	7.4547	0.12779	7.0915	7.3566	7.492	0.15719	-0.0593	0.025433	0.1511	0.070418
3	6.9843	7.3269	7.6492	0.19858	7.1137	7.3688	7.8278	0.21882	-0.1094	0.04183	0.3423	0.1344
10	7.0733	7.3962	7.6762	0.17574	7.2783	7.6717	8.0149	0.22621	0.0768	0.27551	0.5101	0.13341
30	6.9508	7.3922	7.6341	0.2437	6.9787	7.3797	7.5883	0.22604	-0.2879	-0.01252	0.1984	0.13113
50	6.9934	7.3245	7.5539	0.17566	7.0005	7.3058	7.5105	0.15572	-0.1089	-0.01879	0.0456	0.05263
100	7.1268	7.4396	7.6018	0.15006	7.2289	7.4656	7.7007	0.15653	-0.1435	0.02599	0.2642	0.13417

Device Test: 20.3 _LEVEL|HIGHSIDE/SW/4.5/12///@R_HIGHSIDE_4V_25C





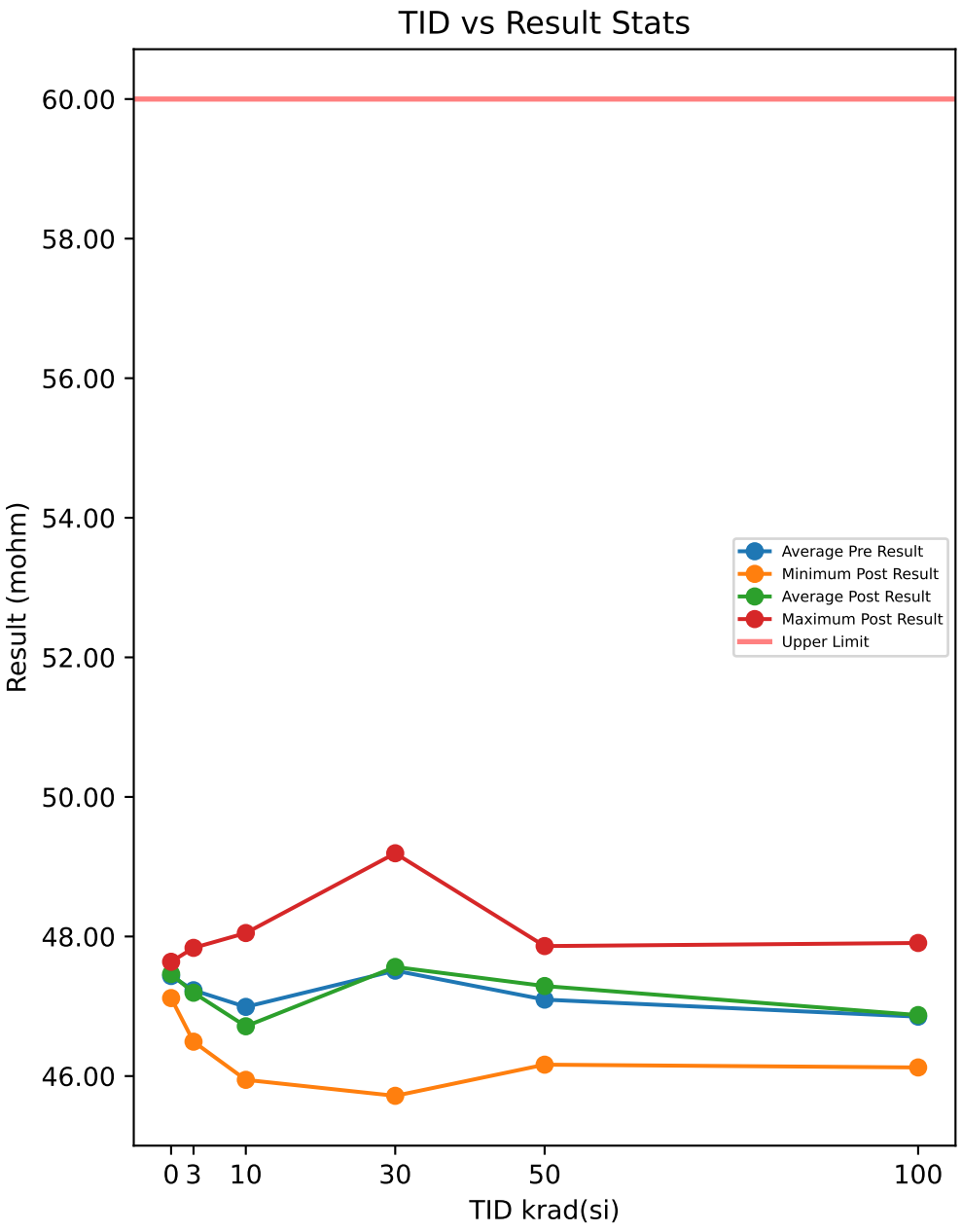
Test Results (Upper Limit = 61.0 (mohm))

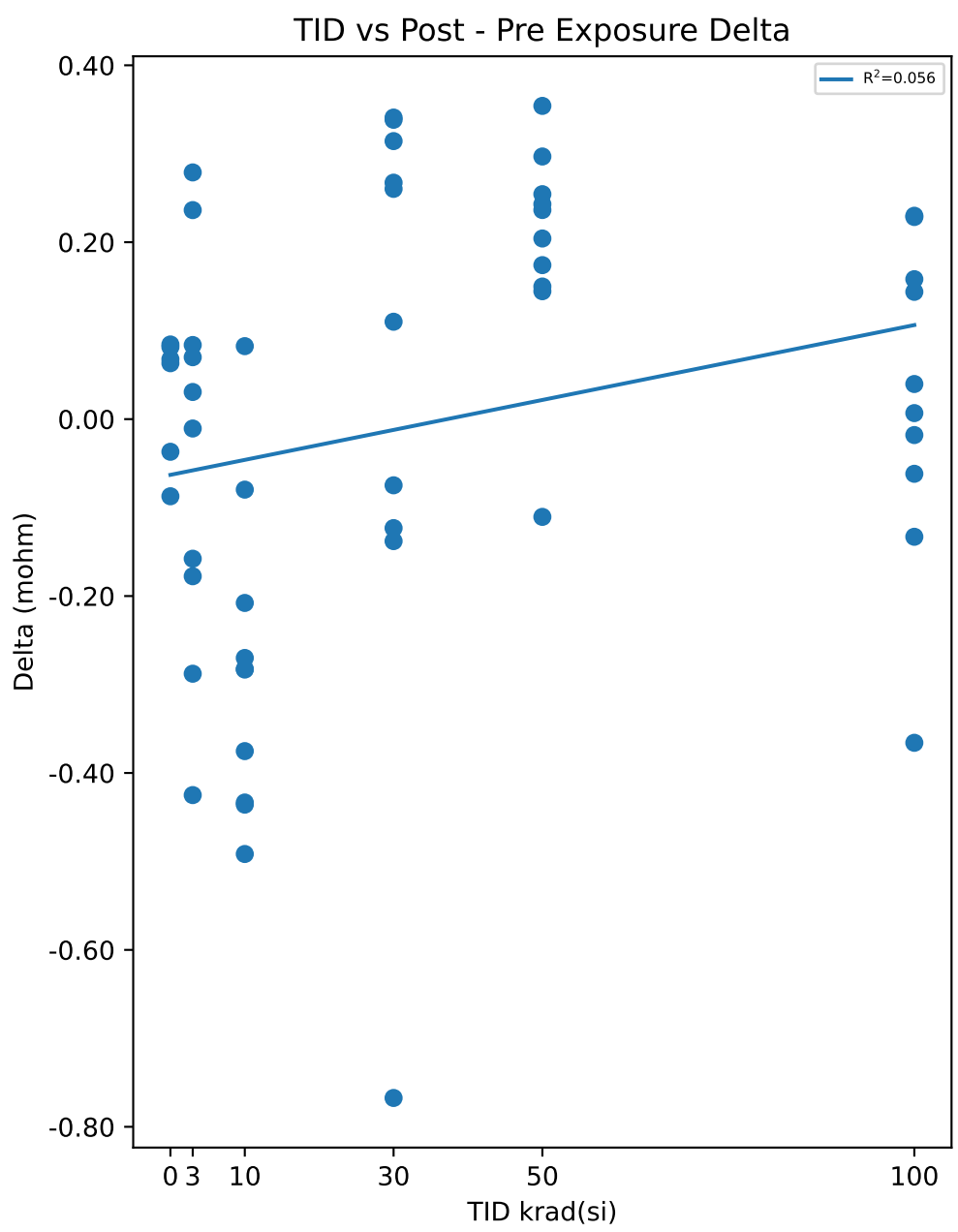
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	LDR Biased	48.269	47.914	-0.3551
2	3	LDR Biased	48.328	48.122	-0.2064
3	3	LDR Biased	47.583	47.317	-0.2651
4	3	LDR Biased	47.397	47.243	-0.1532
5	3	LDR Biased	48.316	48.439	0.1234
6	10	LDR Biased	47.325	47.103	-0.2213
7	10	LDR Biased	47.879	47.414	-0.4651
8	10	LDR Biased	48.069	47.688	-0.3814
9	10	LDR Biased	47.13	46.908	-0.2218
10	10	LDR Biased	47.632	47.37	-0.2622
11	30	LDR Biased	48.845	48.587	-0.2581
12	30	LDR Biased	47.266	46.497	-0.7689
13	30	LDR Biased	48.119	47.856	-0.2628
14	30	LDR Biased	47.77	47.653	-0.1165
15	30	LDR Biased	49.754	49.858	0.1038
16	50	LDR Biased	48.07	48.319	0.2486
17	50	LDR Biased	47.948	48.077	0.1291
18	50	LDR Biased	48.644	48.88	0.2361
19	50	LDR Biased	48.13	48.439	0.3092
20	50	LDR Biased	48.267	48.37	0.1023
21	100	LDR Biased	47.437	47.102	-0.3355
22	100	LDR Biased	48.568	48.584	0.0162
23	100	LDR Biased	47.206	47.234	0.0277
24	100	LDR Biased	47.427	47.391	-0.0367
25	100	LDR Biased	46.912	47.117	0.2049
26	3	LDR Unbiased	48.787	48.705	-0.0817
27	3	LDR Unbiased	48.067	48.142	0.0747
28	3	LDR Unbiased	48.13	48.279	0.1491
29	3	LDR Unbiased	48.665	48.707	0.0427
30	3	LDR Unbiased	47.4	47.394	-0.0055
31	10	LDR Unbiased	47.188	46.909	-0.2797
32	10	LDR Unbiased	48.965	48.67	-0.2942
33	10	LDR Unbiased	47.637	47.465	-0.1721
34	10	LDR Unbiased	47.885	47.972	0.0874
35	10	LDR Unbiased	48.782	48.935	0.1522
36	30	LDR Unbiased	48.773	48.668	-0.1048
37	30	LDR Unbiased	47.965	48.052	0.0871
38	30	LDR Unbiased	47.328	47.452	0.1241
39	30	LDR Unbiased	49.505	49.739	0.2334
40	30	LDR Unbiased	48.323	48.53	0.207
41	50	LDR Unbiased	46.759	47.067	0.3079
42	50	LDR Unbiased	47.534	47.826	0.2928
43	50	LDR Unbiased	48.206	48.526	0.3195
44	50	LDR Unbiased	48.393	48.671	0.2779
45	50	LDR Unbiased	47.953	48.338	0.3849
46	100	LDR Unbiased	47.632	47.805	0.1731
47	100	LDR Unbiased	48.597	48.694	0.0968
48	100	LDR Unbiased	47.149	47.149	-0.0002
49	100	LDR Unbiased	48.618	48.873	0.2555
50	100	LDR Unbiased	48.103	48.399	0.296
60	0	Correlation	48.313	48.385	0.0725
61	0	Correlation	48.391	48.332	-0.0583
62	0	Correlation	47.984	47.968	-0.0154
63	0	Correlation	48.441	48.435	-0.006
64	0	Correlation	48.374	48.497	0.123
65	0	Correlation	48.17	48.33	0.1591

Test Statistics (mohm)

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	47.984	48.279	48.441	0.17199	47.968	48.325	48.497	0.18579	-0.0583	0.045817	0.1591	0.085761
3	47.397	48.094	48.787	0.49129	47.243	48.026	48.707	0.54862	-0.3551	-0.06771	0.1491	0.17262
10	47.13	47.849	48.965	0.62245	46.908	47.643	48.935	0.69629	-0.4651	-0.20582	0.1522	0.19157
30	47.266	48.365	49.754	0.84896	46.497	48.289	49.858	1.0227	-0.7689	-0.07557	0.2334	0.30284
50	46.759	47.99	48.644	0.52339	47.067	48.251	48.88	0.5078	0.1023	0.26083	0.3849	0.086891
100	46.912	47.765	48.618	0.65299	47.102	47.835	48.873	0.72872	-0.3355	0.06978	0.296	0.18271

Device Test: 20.35 _LEVEL|HIGHSIDE/SW/5/2///@R_HIGHSIDE_5V_25C





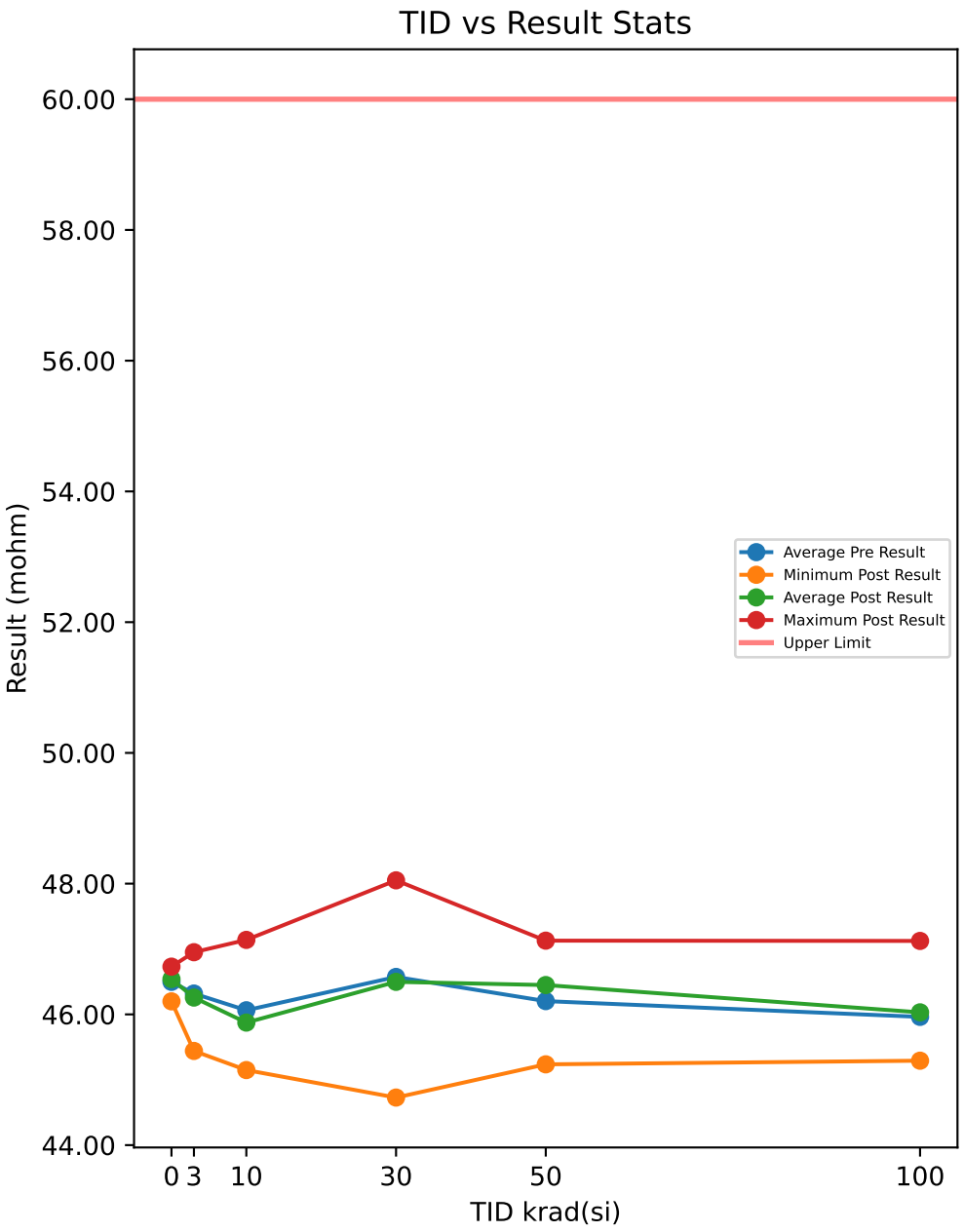
Test Results (Upper Limit = 60.0 (mohm))

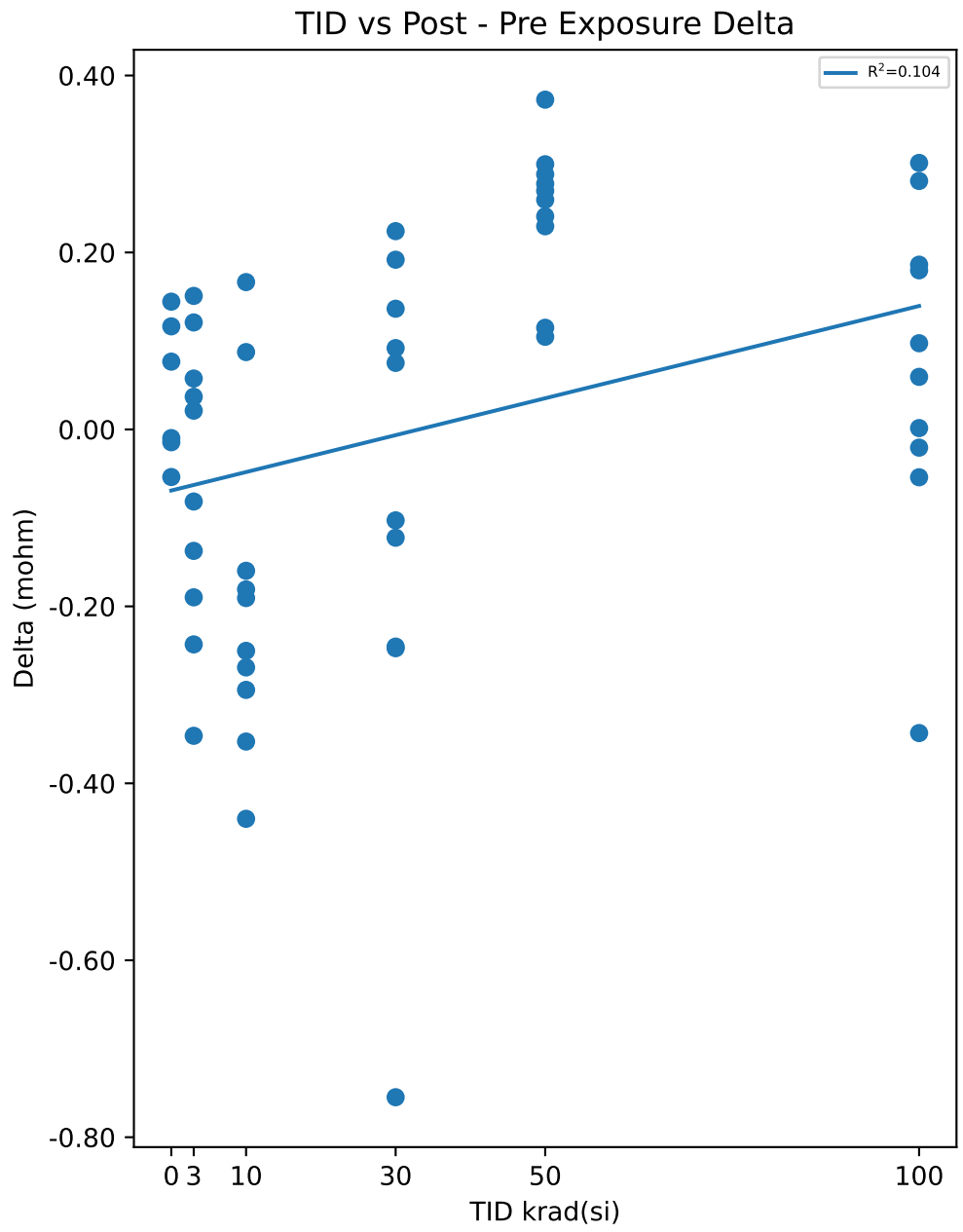
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	LDR Biased	47.485	47.06	-0.425
2	3	LDR Biased	47.529	47.241	-0.2878
3	3	LDR Biased	46.657	46.499	-0.1578
4	3	LDR Biased	46.503	46.493	-0.0106
5	3	LDR Biased	47.538	47.608	0.07
6	10	LDR Biased	46.488	46.205	-0.2831
7	10	LDR Biased	47.027	46.535	-0.4916
8	10	LDR Biased	47.116	46.741	-0.3753
9	10	LDR Biased	46.23	46.022	-0.2078
10	10	LDR Biased	46.776	46.506	-0.27
11	30	LDR Biased	48.003	47.865	-0.1379
12	30	LDR Biased	46.484	45.717	-0.7674
13	30	LDR Biased	47.136	47.246	0.1101
14	30	LDR Biased	46.979	46.856	-0.1232
15	30	LDR Biased	48.854	49.193	0.3384
16	50	LDR Biased	47.104	47.309	0.2042
17	50	LDR Biased	47.039	47.213	0.1741
18	50	LDR Biased	47.718	47.863	0.1446
19	50	LDR Biased	47.209	47.506	0.2969
20	50	LDR Biased	47.443	47.333	-0.1105
21	100	LDR Biased	46.514	46.148	-0.3659
22	100	LDR Biased	47.613	47.595	-0.018
23	100	LDR Biased	46.364	46.371	0.0068
24	100	LDR Biased	46.53	46.468	-0.0618
25	100	LDR Biased	45.98	46.123	0.1439
26	3	LDR Unbiased	47.954	47.777	-0.1776
27	3	LDR Unbiased	47.056	47.293	0.2363
28	3	LDR Unbiased	47.267	47.546	0.2789
29	3	LDR Unbiased	47.806	47.837	0.0307
30	3	LDR Unbiased	46.502	46.586	0.0838
31	10	LDR Unbiased	46.382	45.946	-0.4358
32	10	LDR Unbiased	48.118	47.685	-0.4334
33	10	LDR Unbiased	46.765	46.483	-0.2825
34	10	LDR Unbiased	47.043	46.963	-0.0797
35	10	LDR Unbiased	47.967	48.05	0.0825
36	30	LDR Unbiased	47.938	47.863	-0.0748
37	30	LDR Unbiased	47.05	47.31	0.2603
38	30	LDR Unbiased	46.479	46.746	0.2673
39	30	LDR Unbiased	48.653	48.967	0.3143
40	30	LDR Unbiased	47.53	47.87	0.3409
41	50	LDR Unbiased	45.927	46.163	0.2364
42	50	LDR Unbiased	46.587	46.737	0.1499
43	50	LDR Unbiased	47.317	47.671	0.3541
44	50	LDR Unbiased	47.57	47.813	0.243
45	50	LDR Unbiased	47.04	47.294	0.2543
46	100	LDR Unbiased	46.726	46.884	0.1582
47	100	LDR Unbiased	47.627	47.667	0.0397
48	100	LDR Unbiased	46.29	46.157	-0.133
49	100	LDR Unbiased	47.679	47.907	0.2285
50	100	LDR Unbiased	47.192	47.422	0.2299
60	0	Correlation	47.494	47.557	0.0632
61	0	Correlation	47.583	47.496	-0.0872
62	0	Correlation	47.05	47.117	0.0678
63	0	Correlation	47.581	47.544	-0.0369
64	0	Correlation	47.556	47.638	0.0815
65	0	Correlation	47.338	47.423	0.0844

Test Statistics (mohm)

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	47.05	47.434	47.583	0.2094	47.117	47.462	47.638	0.18333	-0.0872	0.0288	0.0844	0.072589
3	46.502	47.23	47.954	0.52948	46.493	47.194	47.837	0.51877	-0.425	-0.03591	0.2789	0.2245
10	46.23	46.991	48.118	0.62753	45.946	46.713	48.05	0.68687	-0.4916	-0.27767	0.0825	0.1759
30	46.479	47.511	48.854	0.83587	45.717	47.563	49.193	1.0351	-0.7674	0.0528	0.3409	0.34668
50	45.927	47.096	47.718	0.5192	46.163	47.29	47.863	0.51389	-0.1105	0.1947	0.3541	0.12546
100	45.98	46.851	47.679	0.6261	46.123	46.874	47.907	0.71013	-0.3659	0.02283	0.2299	0.18346

Device Test: 20.36 _LEVEL|HIGHSIDE/SW/5/12///@R_HIGHSIDE_5V_25C





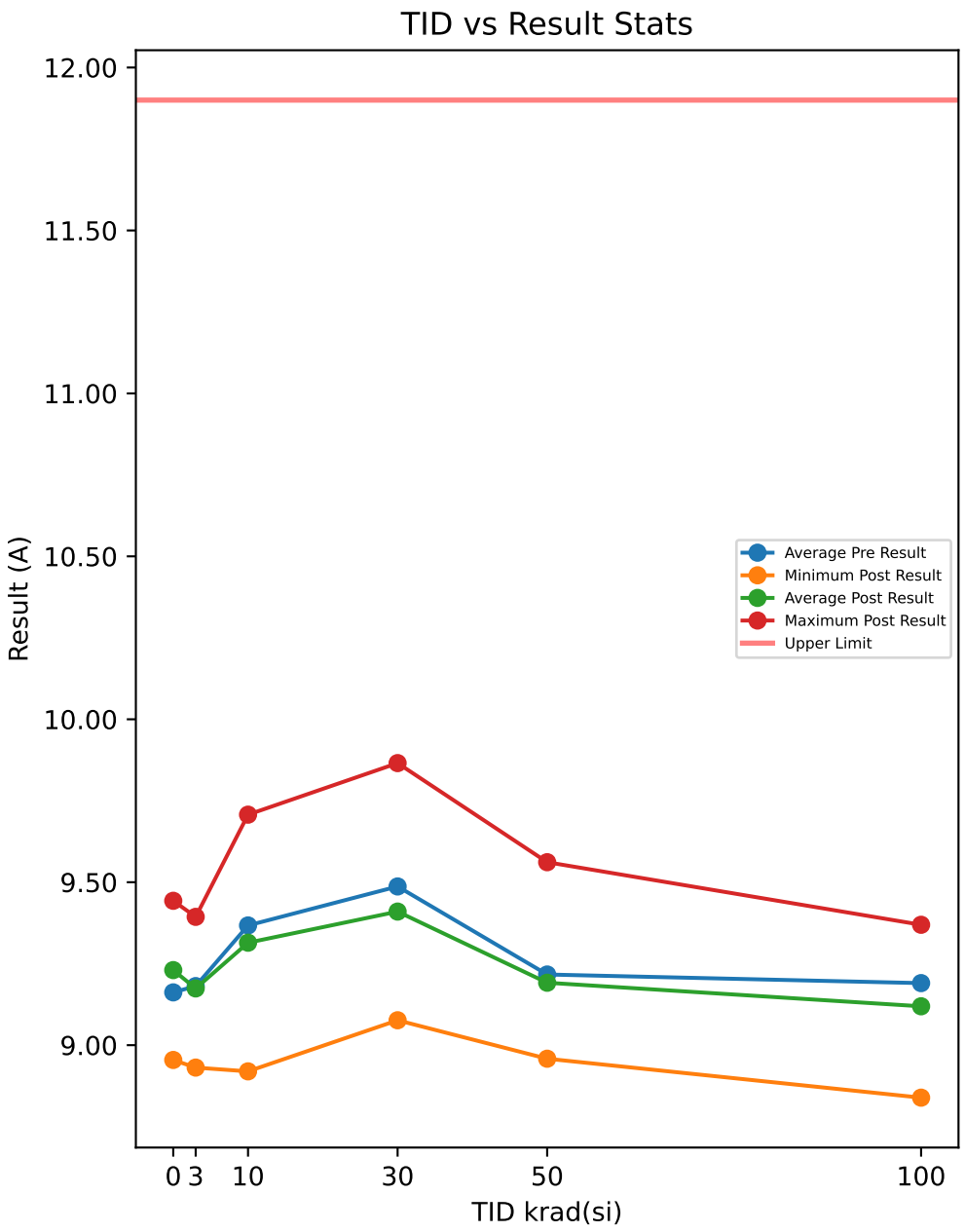
Test Results (Upper Limit = 60.0 (mohm))

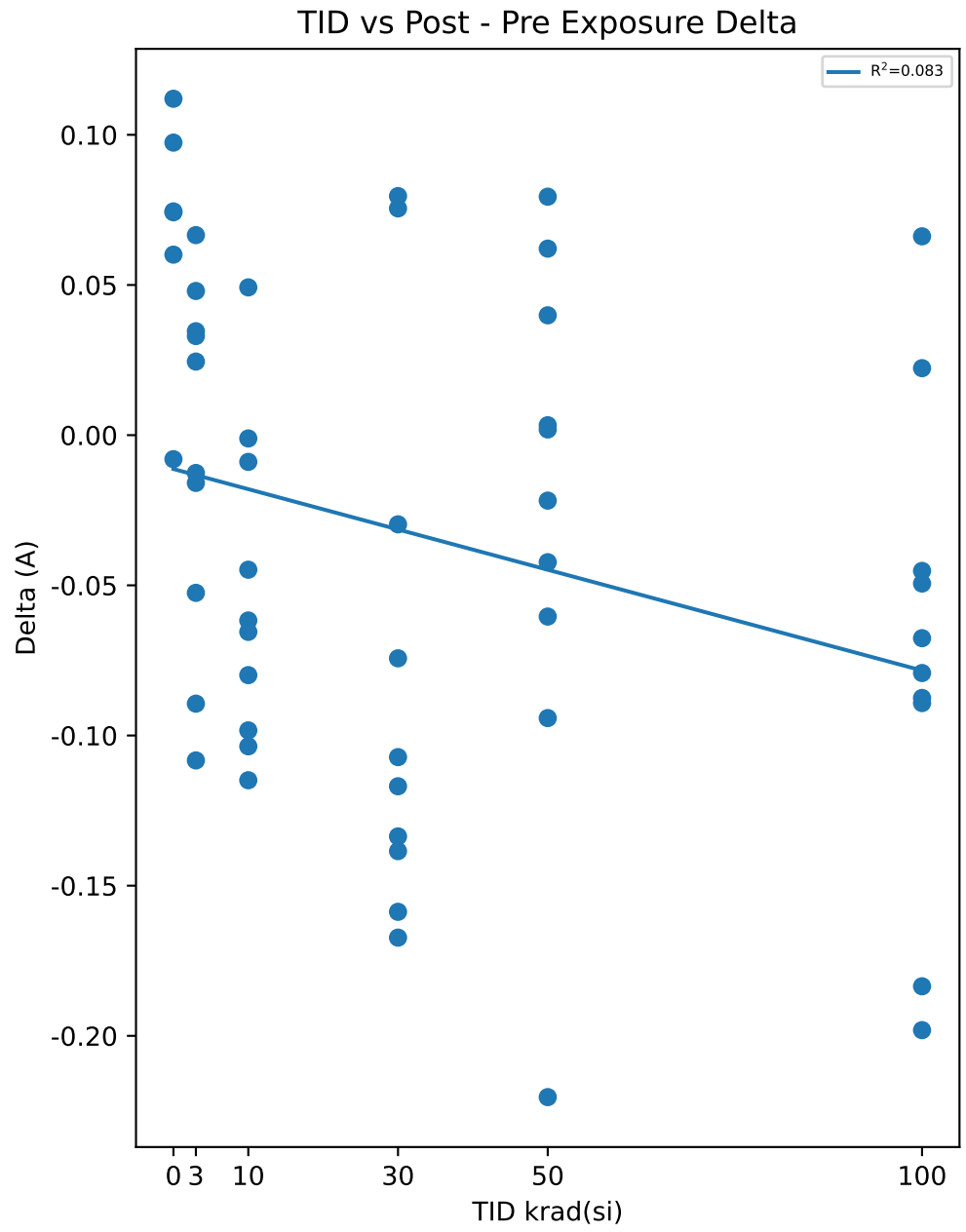
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	LDR Biased	46.472	46.126	-0.3463
2	3	LDR Biased	46.582	46.392	-0.1898
3	3	LDR Biased	45.819	45.576	-0.243
4	3	LDR Biased	45.578	45.441	-0.1373
5	3	LDR Biased	46.508	46.629	0.1209
6	10	LDR Biased	45.542	45.361	-0.1808
7	10	LDR Biased	46.056	45.616	-0.4401
8	10	LDR Biased	46.264	45.911	-0.3528
9	10	LDR Biased	45.339	45.148	-0.1906
10	10	LDR Biased	45.873	45.622	-0.2503
11	30	LDR Biased	47.035	46.789	-0.2455
12	30	LDR Biased	45.482	44.728	-0.7548
13	30	LDR Biased	46.312	46.065	-0.2473
14	30	LDR Biased	45.965	45.863	-0.1028
15	30	LDR Biased	47.959	48.05	0.0919
16	50	LDR Biased	46.272	46.531	0.2595
17	50	LDR Biased	46.178	46.293	0.1149
18	50	LDR Biased	46.898	47.128	0.2296
19	50	LDR Biased	46.371	46.659	0.2883
20	50	LDR Biased	46.467	46.571	0.1047
21	100	LDR Biased	45.635	45.291	-0.3432
22	100	LDR Biased	46.742	46.743	0.0015
23	100	LDR Biased	45.4	45.497	0.0974
24	100	LDR Biased	45.649	45.595	-0.0541
25	100	LDR Biased	45.106	45.292	0.1862
26	3	LDR Unbiased	46.982	46.901	-0.0815
27	3	LDR Unbiased	46.319	46.377	0.0575
28	3	LDR Unbiased	46.384	46.535	0.1509
29	3	LDR Unbiased	46.914	46.951	0.0369
30	3	LDR Unbiased	45.626	45.647	0.0212
31	10	LDR Unbiased	45.438	45.169	-0.269
32	10	LDR Unbiased	47.169	46.874	-0.2944
33	10	LDR Unbiased	45.864	45.705	-0.1598
34	10	LDR Unbiased	46.111	46.199	0.0874
35	10	LDR Unbiased	46.973	47.14	0.1665
36	30	LDR Unbiased	47.007	46.885	-0.1224
37	30	LDR Unbiased	46.154	46.229	0.0752
38	30	LDR Unbiased	45.515	45.651	0.1364
39	30	LDR Unbiased	47.735	47.959	0.2241
40	30	LDR Unbiased	46.565	46.756	0.1918
41	50	LDR Unbiased	44.958	45.236	0.2777
42	50	LDR Unbiased	45.752	46.022	0.2697
43	50	LDR Unbiased	46.407	46.707	0.2997
44	50	LDR Unbiased	46.585	46.826	0.2408
45	50	LDR Unbiased	46.141	46.514	0.3727
46	100	LDR Unbiased	45.848	46.027	0.1798
47	100	LDR Unbiased	46.793	46.852	0.0594
48	100	LDR Unbiased	45.325	45.304	-0.0206
49	100	LDR Unbiased	46.822	47.124	0.3012
50	100	LDR Unbiased	46.301	46.582	0.2808
60	0	Correlation	46.514	46.591	0.0766
61	0	Correlation	46.635	46.581	-0.0538
62	0	Correlation	46.209	46.199	-0.0098
63	0	Correlation	46.63	46.616	-0.0145
64	0	Correlation	46.614	46.73	0.1165
65	0	Correlation	46.382	46.526	0.1444

Test Statistics (mohm)

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	46.209	46.497	46.635	0.17145	46.199	46.541	46.73	0.18027	-0.0538	0.043233	0.1444	0.080346
3	45.578	46.319	46.982	0.49497	45.441	46.257	46.951	0.54386	-0.3463	-0.06105	0.1509	0.16524
10	45.339	46.063	47.169	0.61058	45.148	45.874	47.14	0.67937	-0.4401	-0.18839	0.1665	0.18704
30	45.482	46.573	47.959	0.85594	44.728	46.498	48.05	1.0198	-0.7548	-0.07534	0.2241	0.29433
50	44.958	46.203	46.898	0.53038	45.236	46.449	47.128	0.51844	0.1047	0.24576	0.3727	0.081597
100	45.106	45.962	46.822	0.65208	45.291	46.031	47.124	0.72843	-0.3432	0.06884	0.3012	0.18954

Device Test: 20.38 _THRESHOLD|RISE/SW/5////@HIGHSIDE_CURR_LIM_9A





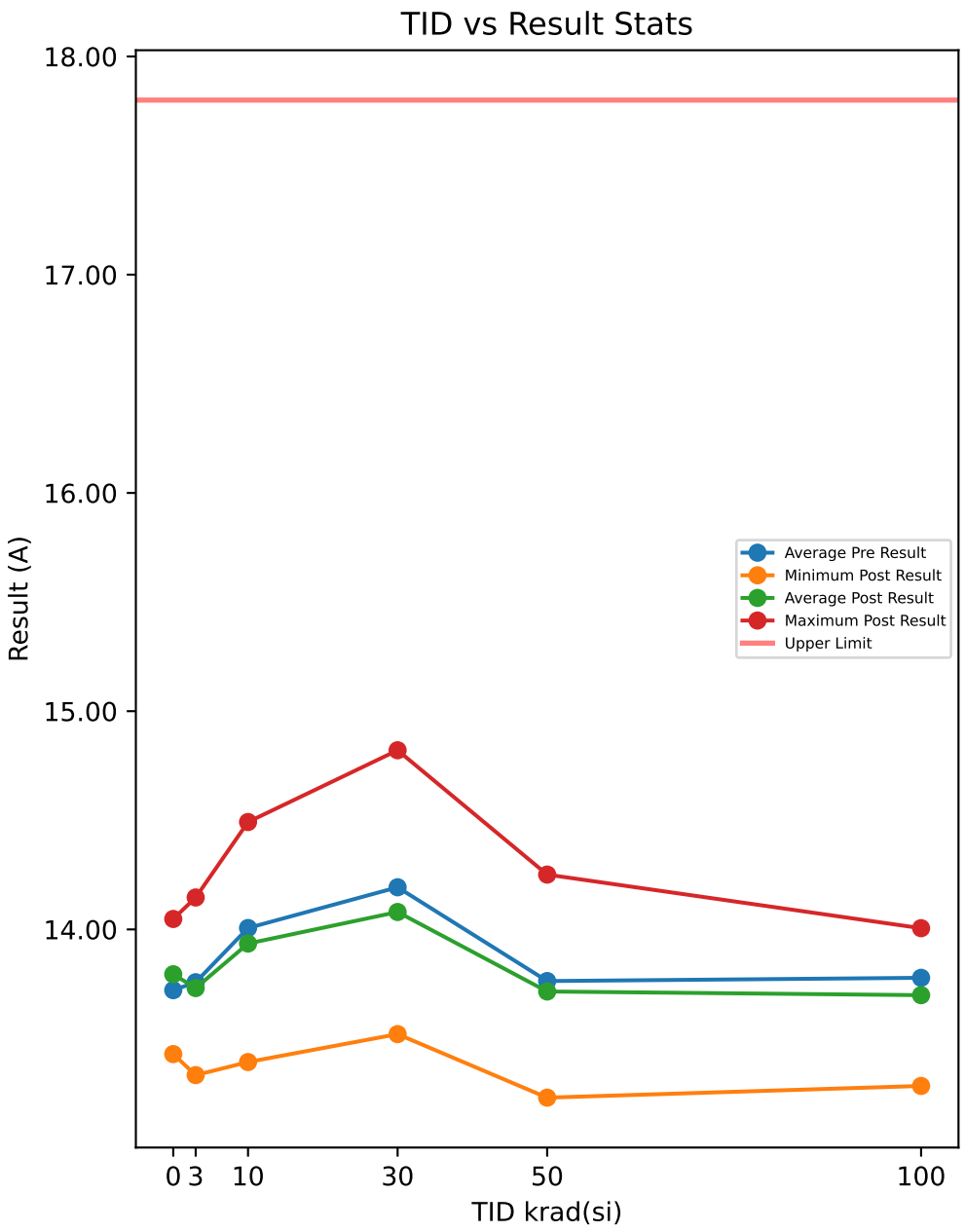
Test Results (Upper Limit = 11.9 (A))

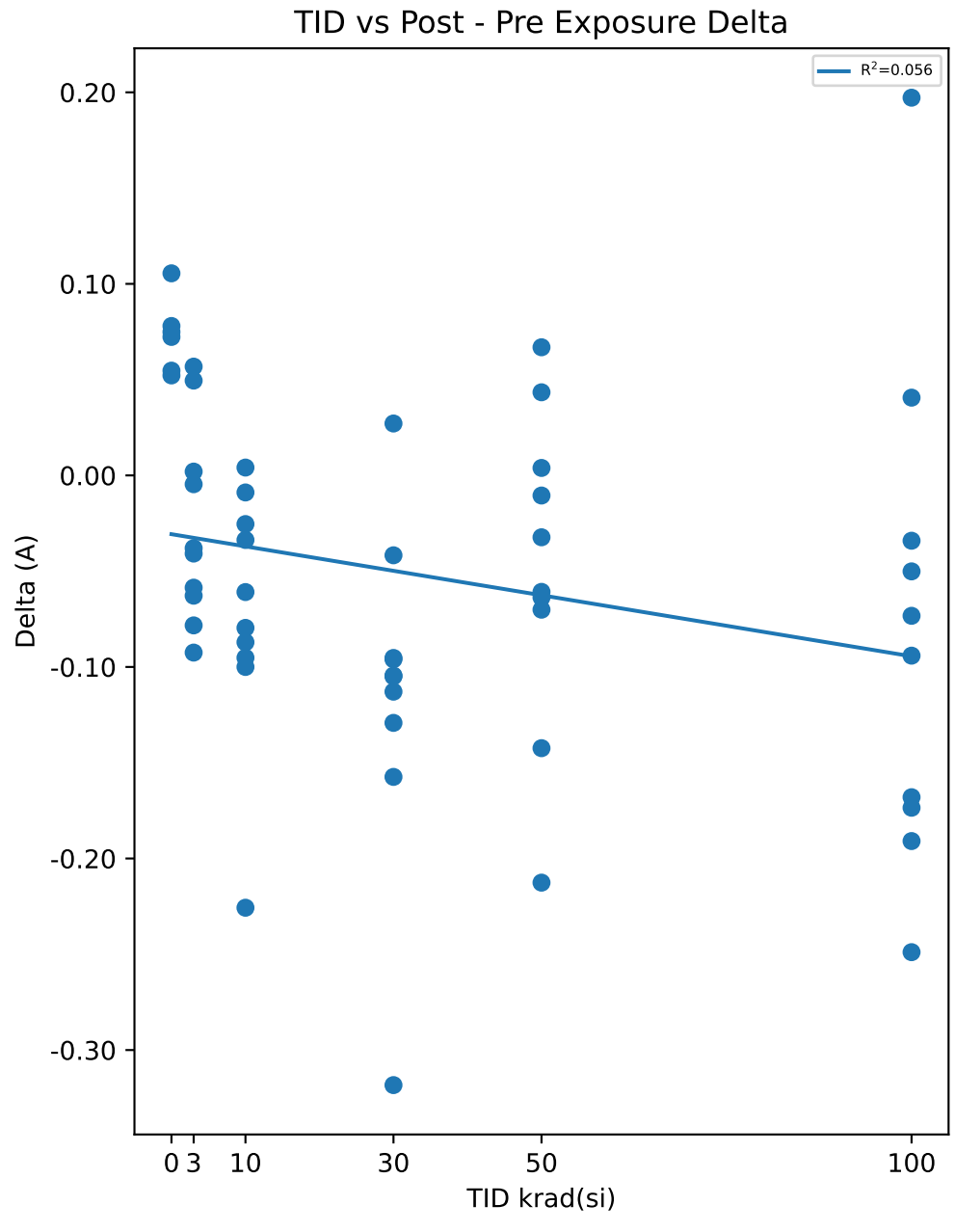
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	LDR Biased	8.9262	8.9592	0.033
2	3	LDR Biased	9.3755	9.2861	-0.0894
3	3	LDR Biased	9.068	9.0155	-0.0525
4	3	LDR Biased	9.2394	9.2874	0.048
5	3	LDR Biased	9.3271	9.3937	0.0666
6	10	LDR Biased	9.4533	9.355	-0.0983
7	10	LDR Biased	9.6346	9.5898	-0.0448
8	10	LDR Biased	8.9995	8.9196	-0.0799
9	10	LDR Biased	9.2368	9.1219	-0.1149
10	10	LDR Biased	9.3492	9.3403	-0.0089
11	30	LDR Biased	9.2207	9.0871	-0.1336
12	30	LDR Biased	9.2015	9.1718	-0.0297
13	30	LDR Biased	9.4894	9.3307	-0.1587
14	30	LDR Biased	9.2437	9.0764	-0.1673
15	30	LDR Biased	9.9727	9.8655	-0.1072
16	50	LDR Biased	9.497	9.2766	-0.2204
17	50	LDR Biased	9.389	9.3672	-0.0218
18	50	LDR Biased	9.2572	9.163	-0.0942
19	50	LDR Biased	9.0188	8.9584	-0.0604
20	50	LDR Biased	9.0695	9.0714	0.0019
21	100	LDR Biased	9.272	9.1845	-0.0875
22	100	LDR Biased	9.5529	9.3694	-0.1835
23	100	LDR Biased	9.2471	9.1579	-0.0892
24	100	LDR Biased	8.9181	8.8389	-0.0792
25	100	LDR Biased	9.0968	8.8987	-0.1981
26	3	LDR Unbiased	9.2425	9.2266	-0.0159
27	3	LDR Unbiased	9.3124	9.3369	0.0245
28	3	LDR Unbiased	9.2912	9.2786	-0.0126
29	3	LDR Unbiased	8.8966	8.9312	0.0346
30	3	LDR Unbiased	9.1338	9.0255	-0.1083
31	10	LDR Unbiased	9.3555	9.2938	-0.0617
32	10	LDR Unbiased	9.6682	9.5646	-0.1036
33	10	LDR Unbiased	9.2722	9.2711	-0.0011
34	10	LDR Unbiased	9.046	8.9805	-0.0655
35	10	LDR Unbiased	9.6581	9.7073	0.0492
36	30	LDR Unbiased	9.5675	9.6471	0.0796
37	30	LDR Unbiased	9.5983	9.4598	-0.1385
38	30	LDR Unbiased	9.4659	9.349	-0.1169
39	30	LDR Unbiased	9.6549	9.5806	-0.0743
40	30	LDR Unbiased	9.4556	9.5311	0.0755
41	50	LDR Unbiased	8.9375	8.9774	0.0399
42	50	LDR Unbiased	9.3221	9.4015	0.0794
43	50	LDR Unbiased	9.0167	8.9744	-0.0423
44	50	LDR Unbiased	9.4993	9.5614	0.0621
45	50	LDR Unbiased	9.161	9.1643	0.0033
46	100	LDR Unbiased	8.9113	8.8437	-0.0676
47	100	LDR Unbiased	9.1596	9.1819	0.0223
48	100	LDR Unbiased	9.3319	9.2867	-0.0452
49	100	LDR Unbiased	9.2179	9.1685	-0.0494
50	100	LDR Unbiased	9.1964	9.2626	0.0662
60	0	Correlation	9.1223	9.2343	0.112
61	0	Correlation	9.2209	9.281	0.0601
62	0	Correlation	9.3688	9.443	0.0742
63	0	Correlation	9.283	9.3575	0.0745
64	0	Correlation	9.0142	9.1116	0.0974
65	0	Correlation	8.9626	8.9546	-0.008

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	8.9626	9.162	9.3688	0.15752	8.9546	9.2303	9.443	0.17556	-0.008	0.068367	0.112	0.041758
3	8.8966	9.1813	9.3755	0.16885	8.9312	9.1741	9.3937	0.17198	-0.1083	-0.0072	0.0666	0.059625
10	8.9995	9.3673	9.6682	0.24014	8.9196	9.3144	9.7073	0.2586	-0.1149	-0.05295	0.0492	0.052228
30	9.2015	9.487	9.9727	0.23476	9.0764	9.4099	9.8655	0.25653	-0.1673	-0.07711	0.0796	0.090886
50	8.9375	9.2168	9.4993	0.20622	8.9584	9.1916	9.5614	0.20611	-0.2204	-0.02525	0.0794	0.087403
100	8.9113	9.1904	9.5529	0.18969	8.8389	9.1193	9.3694	0.19045	-0.1981	-0.07112	0.0662	0.080384

Device Test: 20.39 _THRESHOLD|RISE/SW/5////@HIGHSIDE_CURR_LIM_13A





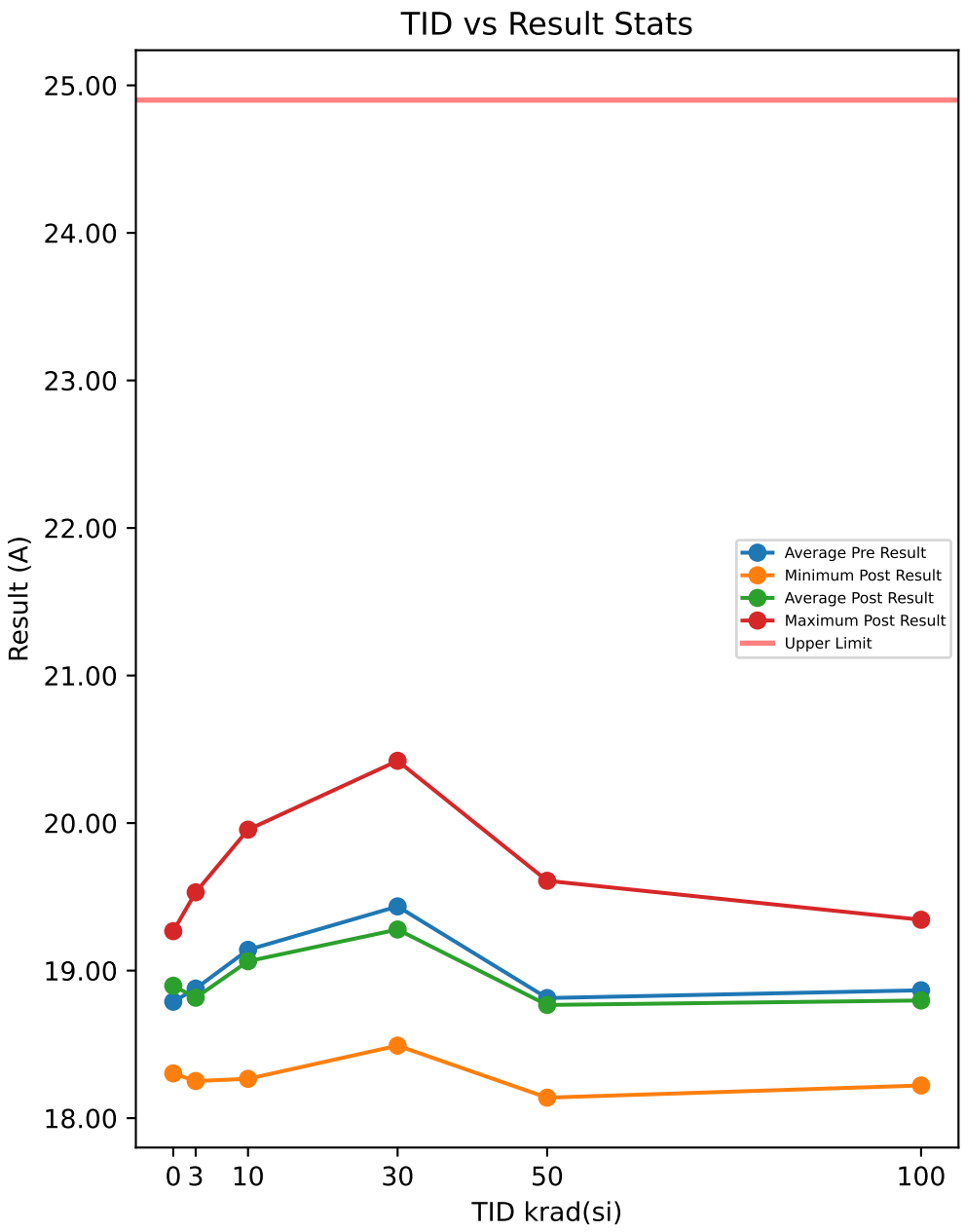
Test Results (Upper Limit = 17.8 (A))

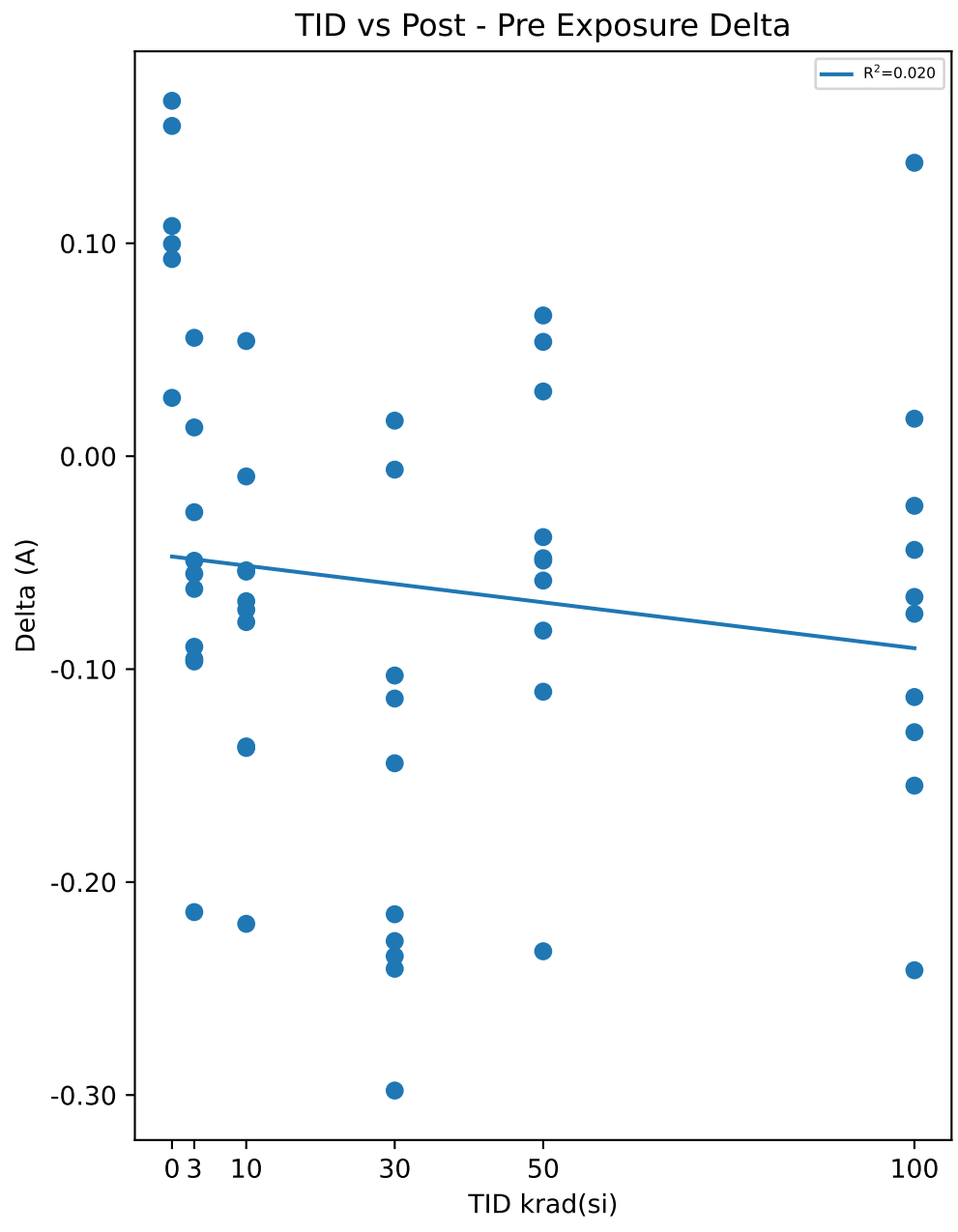
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	LDR Biased	13.356	13.413	0.0568
2	3	LDR Biased	14.068	13.975	-0.0925
3	3	LDR Biased	13.574	13.534	-0.0408
4	3	LDR Biased	13.838	13.834	-0.0046
5	3	LDR Biased	14.225	14.146	-0.0783
6	10	LDR Biased	14.119	14.023	-0.0952
7	10	LDR Biased	14.397	14.31	-0.0871
8	10	LDR Biased	13.618	13.392	-0.2257
9	10	LDR Biased	13.679	13.579	-0.1
10	10	LDR Biased	14.147	14.086	-0.0609
11	30	LDR Biased	13.838	13.52	-0.3183
12	30	LDR Biased	13.805	13.701	-0.1045
13	30	LDR Biased	14.207	14.078	-0.1292
14	30	LDR Biased	13.844	13.739	-0.1049
15	30	LDR Biased	14.916	14.821	-0.0953
16	50	LDR Biased	14.109	13.896	-0.2126
17	50	LDR Biased	14.073	14.009	-0.0637
18	50	LDR Biased	13.846	13.703	-0.1424
19	50	LDR Biased	13.455	13.423	-0.0323
20	50	LDR Biased	13.526	13.593	0.0669
21	100	LDR Biased	13.872	13.798	-0.0733
22	100	LDR Biased	14.197	14.006	-0.1909
23	100	LDR Biased	13.992	13.819	-0.1735
24	100	LDR Biased	13.333	13.283	-0.0501
25	100	LDR Biased	13.719	13.47	-0.2489
26	3	LDR Unbiased	13.77	13.819	0.0495
27	3	LDR Unbiased	13.924	13.861	-0.0628
28	3	LDR Unbiased	13.894	13.835	-0.0586
29	3	LDR Unbiased	13.33	13.332	0.002
30	3	LDR Unbiased	13.601	13.563	-0.038
31	10	LDR Unbiased	13.89	13.857	-0.0337
32	10	LDR Unbiased	14.421	14.412	-0.0089
33	10	LDR Unbiased	13.77	13.774	0.0041
34	10	LDR Unbiased	13.507	13.427	-0.0796
35	10	LDR Unbiased	14.518	14.492	-0.0254
36	30	LDR Unbiased	14.35	14.377	0.0271
37	30	LDR Unbiased	14.207	14.111	-0.096
38	30	LDR Unbiased	14.123	13.965	-0.1574
39	30	LDR Unbiased	14.448	14.335	-0.1129
40	30	LDR Unbiased	14.193	14.151	-0.0417
41	50	LDR Unbiased	13.186	13.229	0.0434
42	50	LDR Unbiased	13.885	13.874	-0.0105
43	50	LDR Unbiased	13.485	13.424	-0.0608
44	50	LDR Unbiased	14.321	14.251	-0.0701
45	50	LDR Unbiased	13.749	13.753	0.0039
46	100	LDR Unbiased	13.515	13.347	-0.168
47	100	LDR Unbiased	13.647	13.688	0.0406
48	100	LDR Unbiased	13.954	13.92	-0.0341
49	100	LDR Unbiased	13.883	13.789	-0.0941
50	100	LDR Unbiased	13.671	13.868	0.1972
60	0	Correlation	13.706	13.781	0.0749
61	0	Correlation	13.827	13.899	0.0723
62	0	Correlation	13.97	14.048	0.078
63	0	Correlation	13.925	14.03	0.1055
64	0	Correlation	13.525	13.58	0.0547
65	0	Correlation	13.377	13.429	0.0522

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	13.377	13.722	13.97	0.23325	13.429	13.795	14.048	0.24937	0.0522	0.072933	0.1055	0.01925
3	13.33	13.758	14.225	0.29226	13.332	13.731	14.146	0.25934	-0.0925	-0.02673	0.0568	0.051349
10	13.507	14.006	14.518	0.36449	13.392	13.935	14.492	0.39735	-0.2257	-0.07124	0.0041	0.065626
30	13.805	14.193	14.916	0.33588	13.52	14.08	14.821	0.37922	-0.3183	-0.11331	0.0271	0.088086
50	13.186	13.763	14.321	0.35128	13.229	13.716	14.251	0.30817	-0.2126	-0.04782	0.0669	0.083537
100	13.333	13.778	14.197	0.25194	13.283	13.699	14.006	0.24795	-0.2489	-0.07951	0.1972	0.12993

Device Test: 20.40 _THRESHOLD|RISE/SW/5////@HIGHSIDE_CURR_LIM_19A





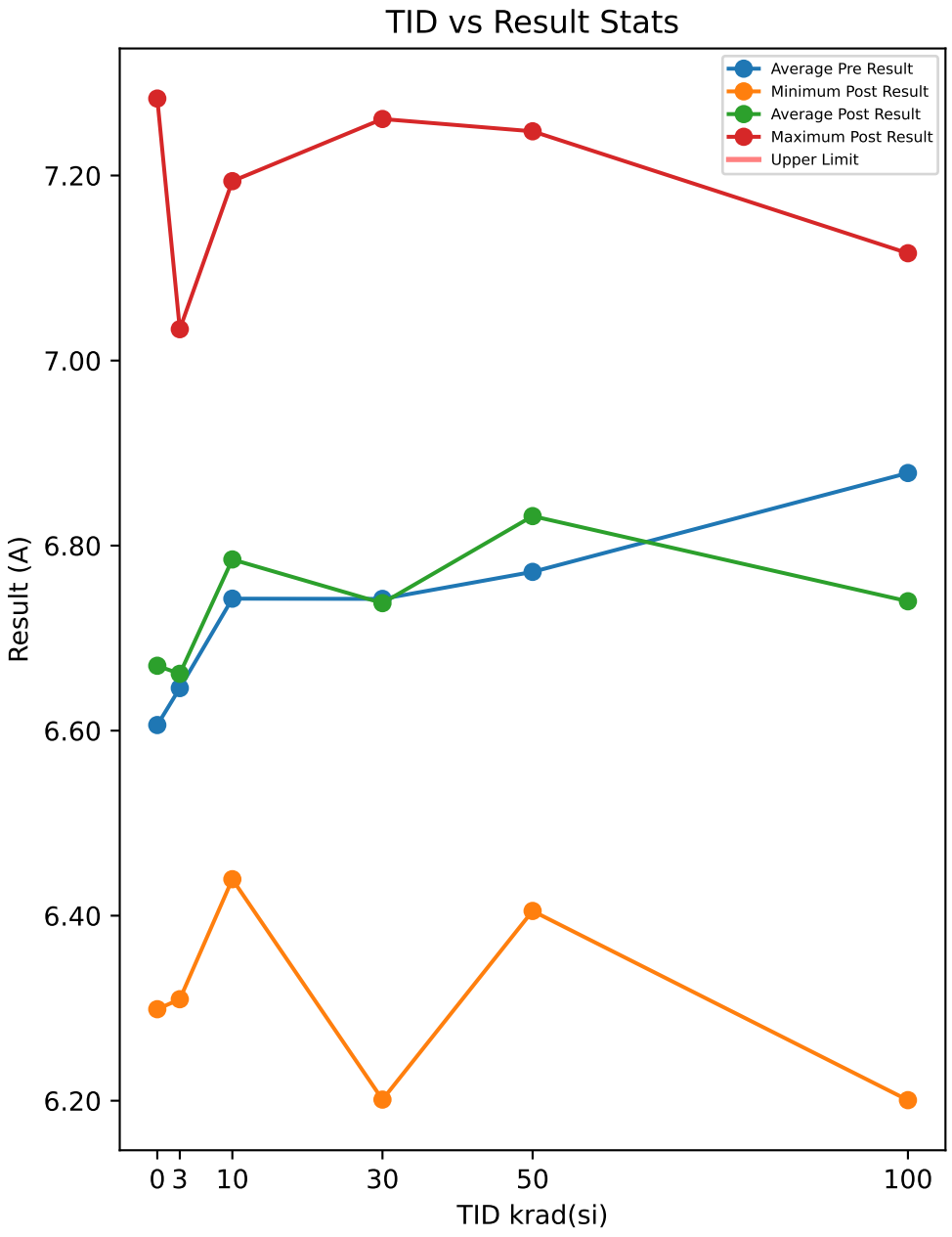
Test Results (Upper Limit = 24.9 (A))

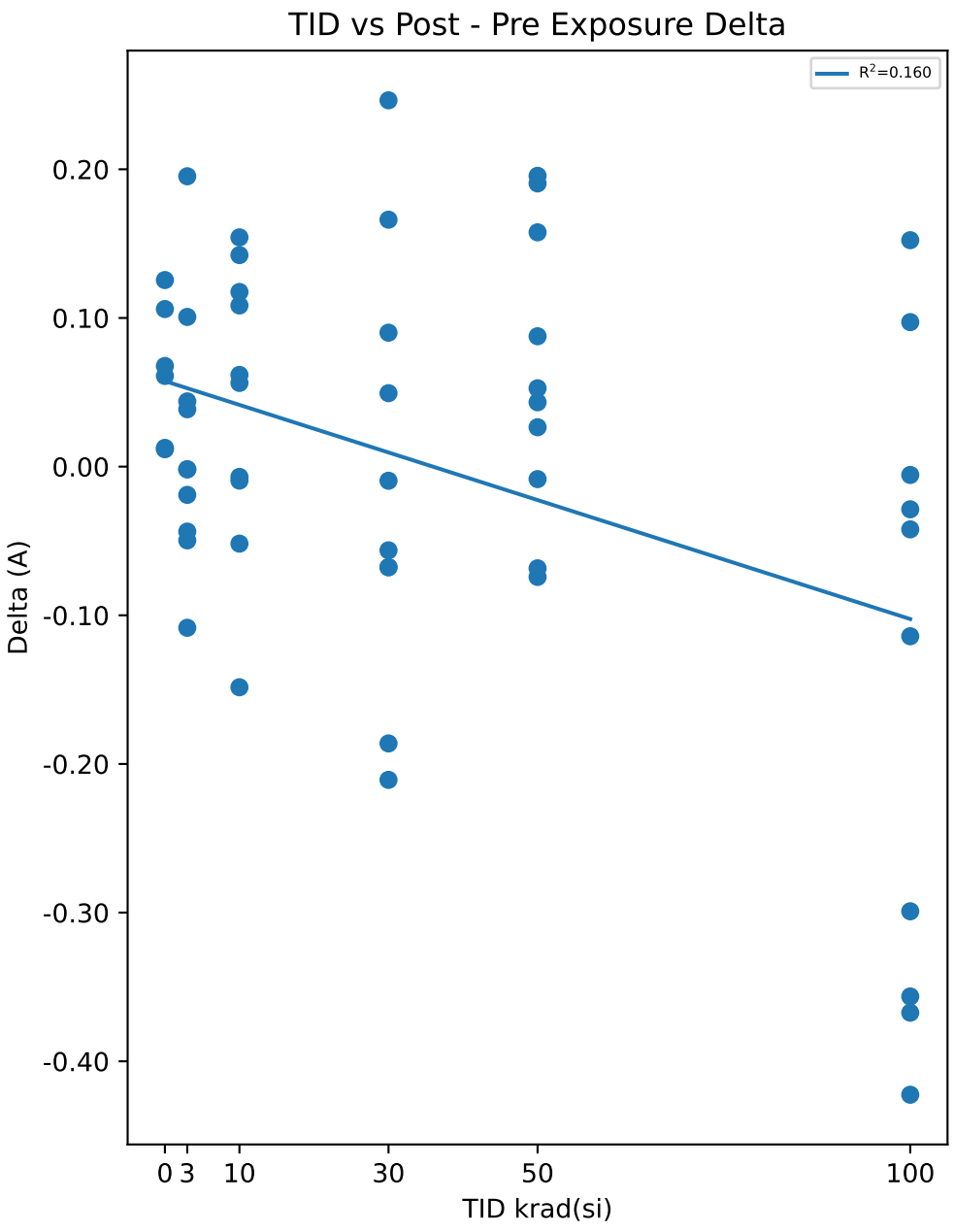
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	LDR Biased	18.464	18.52	0.0556
2	3	LDR Biased	19.314	19.259	-0.0552
3	3	LDR Biased	18.525	18.436	-0.0895
4	3	LDR Biased	19.025	18.93	-0.0952
5	3	LDR Biased	19.58	19.531	-0.0491
6	10	LDR Biased	19.237	19.018	-0.2196
7	10	LDR Biased	19.606	19.66	0.0541
8	10	LDR Biased	18.64	18.504	-0.1363
9	10	LDR Biased	18.633	18.496	-0.137
10	10	LDR Biased	19.468	19.39	-0.0779
11	30	LDR Biased	18.726	18.492	-0.2348
12	30	LDR Biased	19.022	18.724	-0.2979
13	30	LDR Biased	19.549	19.404	-0.1442
14	30	LDR Biased	18.901	18.673	-0.2277
15	30	LDR Biased	20.525	20.422	-0.103
16	50	LDR Biased	19.353	19.12	-0.2325
17	50	LDR Biased	19.222	19.14	-0.0819
18	50	LDR Biased	18.877	18.766	-0.1106
19	50	LDR Biased	18.404	18.355	-0.049
20	50	LDR Biased	18.567	18.621	0.0537
21	100	LDR Biased	18.933	18.951	0.0176
22	100	LDR Biased	19.474	19.345	-0.1296
23	100	LDR Biased	19.156	19.09	-0.0661
24	100	LDR Biased	18.245	18.221	-0.0233
25	100	LDR Biased	18.752	18.511	-0.2414
26	3	LDR Unbiased	18.945	18.919	-0.0263
27	3	LDR Unbiased	19.048	18.834	-0.2141
28	3	LDR Unbiased	18.984	18.921	-0.0623
29	3	LDR Unbiased	18.238	18.252	0.0135
30	3	LDR Unbiased	18.659	18.563	-0.0964
31	10	LDR Unbiased	18.973	18.919	-0.0536
32	10	LDR Unbiased	19.749	19.677	-0.0721
33	10	LDR Unbiased	18.757	18.747	-0.0095
34	10	LDR Unbiased	18.335	18.267	-0.0681
35	10	LDR Unbiased	20.009	19.955	-0.0542
36	30	LDR Unbiased	19.596	19.613	0.0167
37	30	LDR Unbiased	19.478	19.364	-0.1138
38	30	LDR Unbiased	19.31	19.07	-0.2407
39	30	LDR Unbiased	19.989	19.774	-0.2151
40	30	LDR Unbiased	19.255	19.249	-0.0063
41	50	LDR Unbiased	18.108	18.139	0.0304
42	50	LDR Unbiased	18.886	18.952	0.0661
43	50	LDR Unbiased	18.364	18.305	-0.0584
44	50	LDR Unbiased	19.647	19.609	-0.038
45	50	LDR Unbiased	18.714	18.666	-0.0479
46	100	LDR Unbiased	18.477	18.322	-0.1547
47	100	LDR Unbiased	18.701	18.627	-0.074
48	100	LDR Unbiased	19.057	18.944	-0.1131
49	100	LDR Unbiased	18.987	18.943	-0.044
50	100	LDR Unbiased	18.884	19.022	0.1378
60	0	Correlation	18.99	19.017	0.0274
61	0	Correlation	18.901	19.068	0.1669
62	0	Correlation	19.175	19.267	0.0926
63	0	Correlation	18.975	19.13	0.1551
64	0	Correlation	18.49	18.599	0.1081
65	0	Correlation	18.204	18.303	0.0997

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	18.204	18.789	19.175	0.36553	18.303	18.897	19.267	0.36787	0.0274	0.1083	0.1669	0.049979
3	18.238	18.878	19.58	0.40854	18.252	18.816	19.531	0.38833	-0.2141	-0.0619	0.0556	0.072413
10	18.335	19.141	20.009	0.55693	18.267	19.063	19.955	0.57999	-0.2196	-0.07742	0.0541	0.074807
30	18.726	19.435	20.525	0.53149	18.492	19.278	20.422	0.57987	-0.2979	-0.15668	0.0167	0.10494
50	18.108	18.814	19.647	0.4829	18.139	18.767	19.609	0.44915	-0.2325	-0.04681	0.0661	0.08744
100	18.245	18.867	19.474	0.34755	18.221	18.798	19.345	0.36052	-0.2414	-0.06908	0.1378	0.10312

Device Test: 20.41 _THRESHOLD|RISE/SW/5////@HIGHSIDE_CURR_LIM2_6A





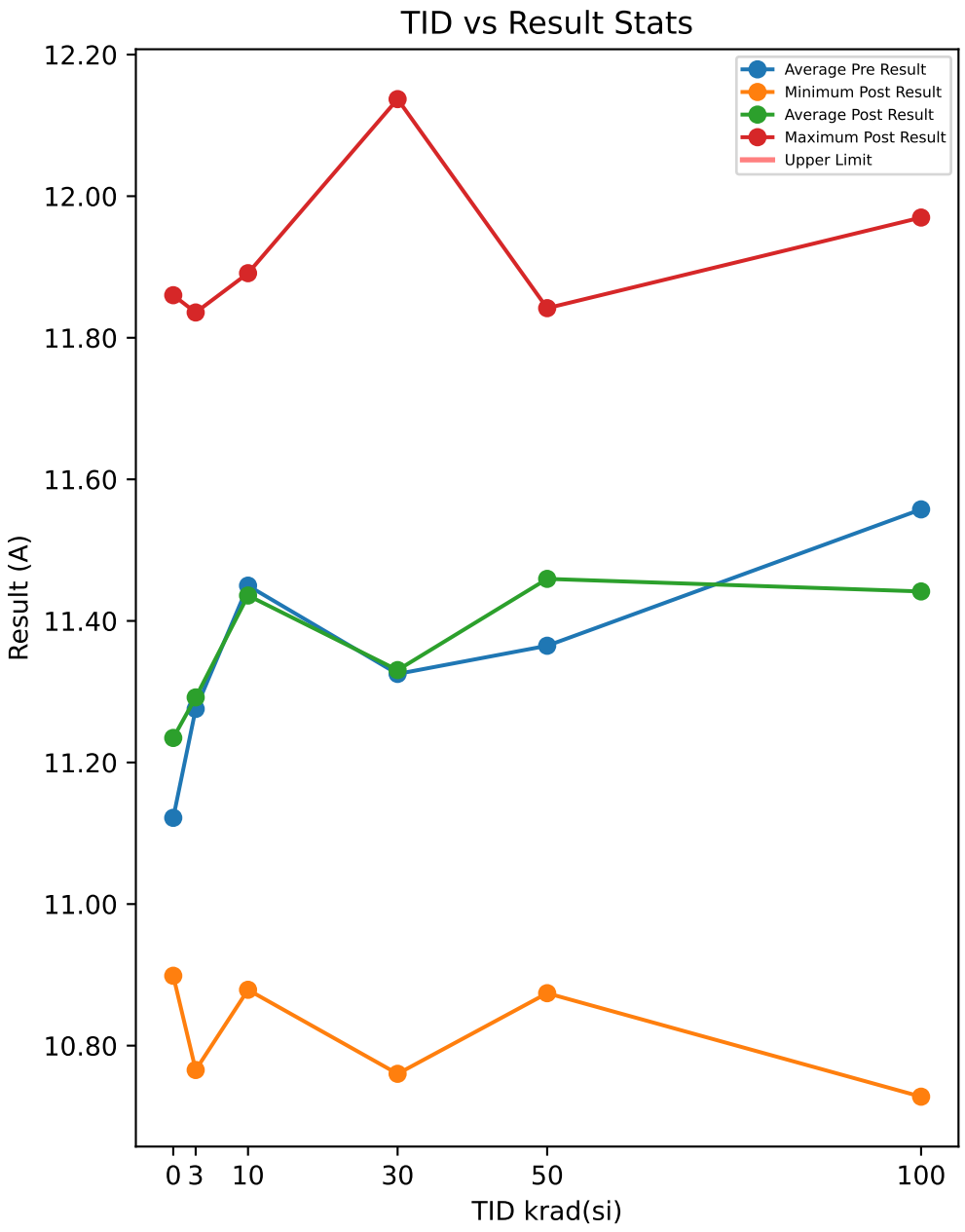
Test Results (No Limits Specified (A))

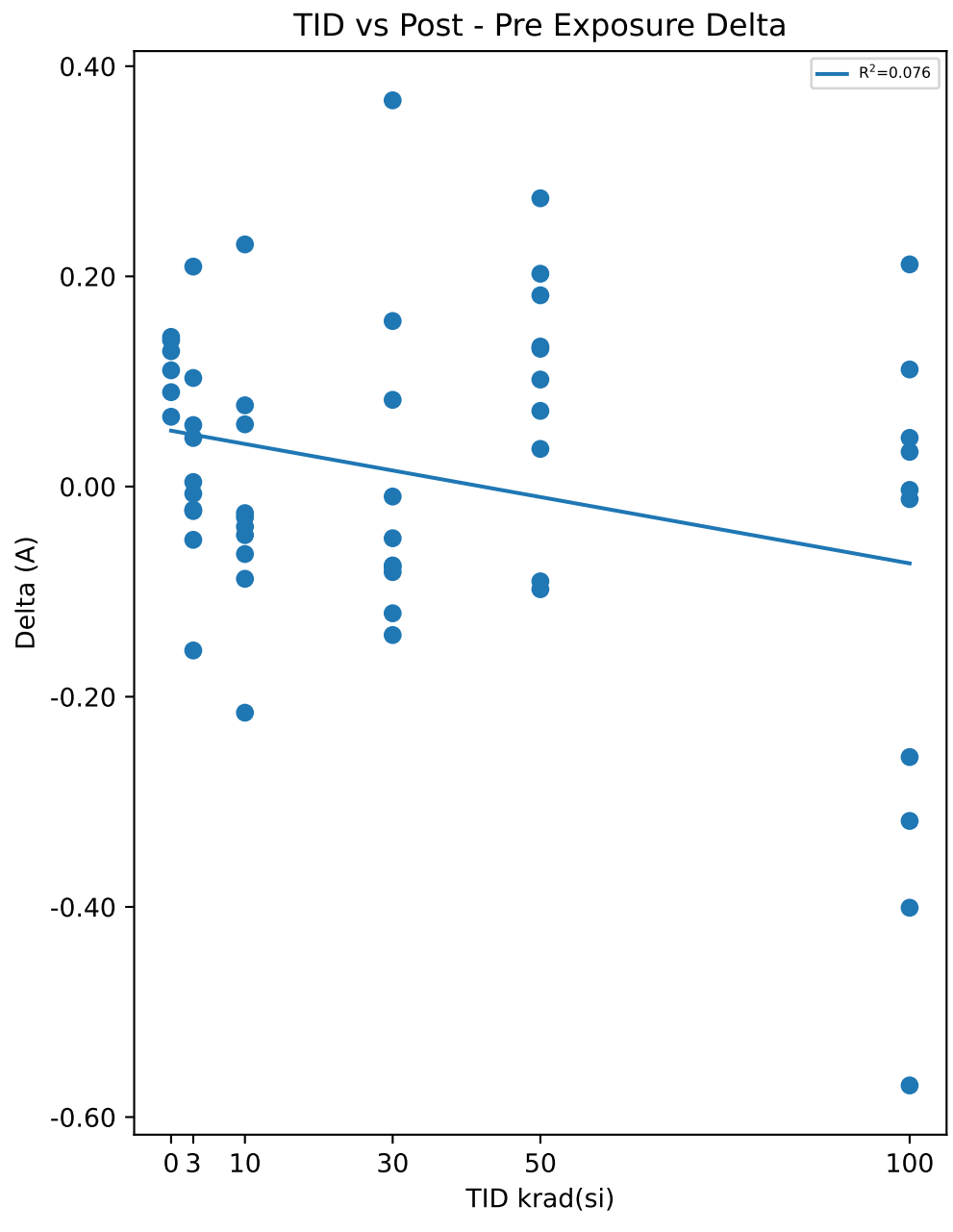
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	LDR Biased	6.2328	6.3335	0.1007
2	3	LDR Biased	6.7383	6.6887	-0.0496
3	3	LDR Biased	6.3274	6.3256	-0.0018
4	3	LDR Biased	6.9953	7.0339	0.0386
5	3	LDR Biased	6.9985	6.8901	-0.1084
6	10	LDR Biased	6.3219	6.4394	0.1175
7	10	LDR Biased	7.0352	7.0915	0.0563
8	10	LDR Biased	7.0319	6.8835	-0.1484
9	10	LDR Biased	6.7686	6.7168	-0.0518
10	10	LDR Biased	6.4681	6.6104	0.1423
11	30	LDR Biased	7.0452	7.0946	0.0494
12	30	LDR Biased	6.7314	6.6638	-0.0676
13	30	LDR Biased	6.3512	6.2949	-0.0563
14	30	LDR Biased	6.2107	6.2012	-0.0095
15	30	LDR Biased	6.892	6.8243	-0.0677
16	50	LDR Biased	6.5904	6.522	-0.0684
17	50	LDR Biased	6.6104	6.602	-0.0084
18	50	LDR Biased	7.2213	7.2478	0.0265
19	50	LDR Biased	6.7109	6.7542	0.0433
20	50	LDR Biased	6.4793	6.4051	-0.0742
21	100	LDR Biased	6.9055	6.8633	-0.0422
22	100	LDR Biased	7.4724	7.116	-0.3564
23	100	LDR Biased	6.3639	6.2498	-0.1141
24	100	LDR Biased	6.2835	6.3807	0.0972
25	100	LDR Biased	7.1279	6.7606	-0.3673
26	3	LDR Unbiased	6.2035	6.3988	0.1953
27	3	LDR Unbiased	6.9413	6.9395	-0.0018
28	3	LDR Unbiased	6.9947	6.9757	-0.019
29	3	LDR Unbiased	6.2658	6.3097	0.0439
30	3	LDR Unbiased	6.7624	6.7187	-0.0437
31	10	LDR Unbiased	6.8865	6.8796	-0.0069
32	10	LDR Unbiased	6.3785	6.4402	0.0617
33	10	LDR Unbiased	6.6998	6.854	0.1542
34	10	LDR Unbiased	6.6327	6.7411	0.1084
35	10	LDR Unbiased	7.2033	7.1939	-0.0094
36	30	LDR Unbiased	6.8982	6.9883	0.0901
37	30	LDR Unbiased	6.7123	6.5016	-0.2107
38	30	LDR Unbiased	7.095	7.2611	0.1661
39	30	LDR Unbiased	6.8472	6.661	-0.1862
40	30	LDR Unbiased	6.6409	6.8873	0.2464
41	50	LDR Unbiased	6.8773	7.0678	0.1905
42	50	LDR Unbiased	6.8123	6.9	0.0877
43	50	LDR Unbiased	6.7685	6.9641	0.1956
44	50	LDR Unbiased	6.9483	7.001	0.0527
45	50	LDR Unbiased	6.6973	6.8549	0.1576
46	100	LDR Unbiased	6.6231	6.2006	-0.4225
47	100	LDR Unbiased	6.9614	6.9327	-0.0287
48	100	LDR Unbiased	7.0677	6.7686	-0.2991
49	100	LDR Unbiased	7.0923	7.0867	-0.0056
50	100	LDR Unbiased	6.8869	7.0392	0.1523
60	0	Correlation	6.6075	6.6192	0.0117
61	0	Correlation	6.4191	6.4868	0.0677
62	0	Correlation	6.6796	6.7406	0.061
63	0	Correlation	7.1577	7.2832	0.1255
64	0	Correlation	6.2863	6.2989	0.0126
65	0	Correlation	6.4861	6.5921	0.106

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	6.2863	6.606	7.1577	0.30375	6.2989	6.6701	7.2832	0.33494	0.0117	0.064083	0.1255	0.046789
3	6.2035	6.646	6.9985	0.34797	6.3097	6.6614	7.0339	0.29517	-0.1084	0.01542	0.1953	0.085511
10	6.3219	6.7427	7.2033	0.29847	6.4394	6.785	7.1939	0.24943	-0.1484	0.04239	0.1542	0.096283
30	6.2107	6.7424	7.095	0.28298	6.2012	6.7378	7.2611	0.34075	-0.2107	-0.0046	0.2464	0.14535
50	6.4793	6.7716	7.2213	0.21075	6.4051	6.8319	7.2478	0.26182	-0.0742	0.06029	0.1956	0.097945
100	6.2835	6.8785	7.4724	0.36334	6.2006	6.7398	7.116	0.344	-0.4225	-0.13864	0.1523	0.20709

Device Test: 20.42 _THRESHOLD|RISE/SW/5////@HIGHSIDE_CURR_LIM2_9A





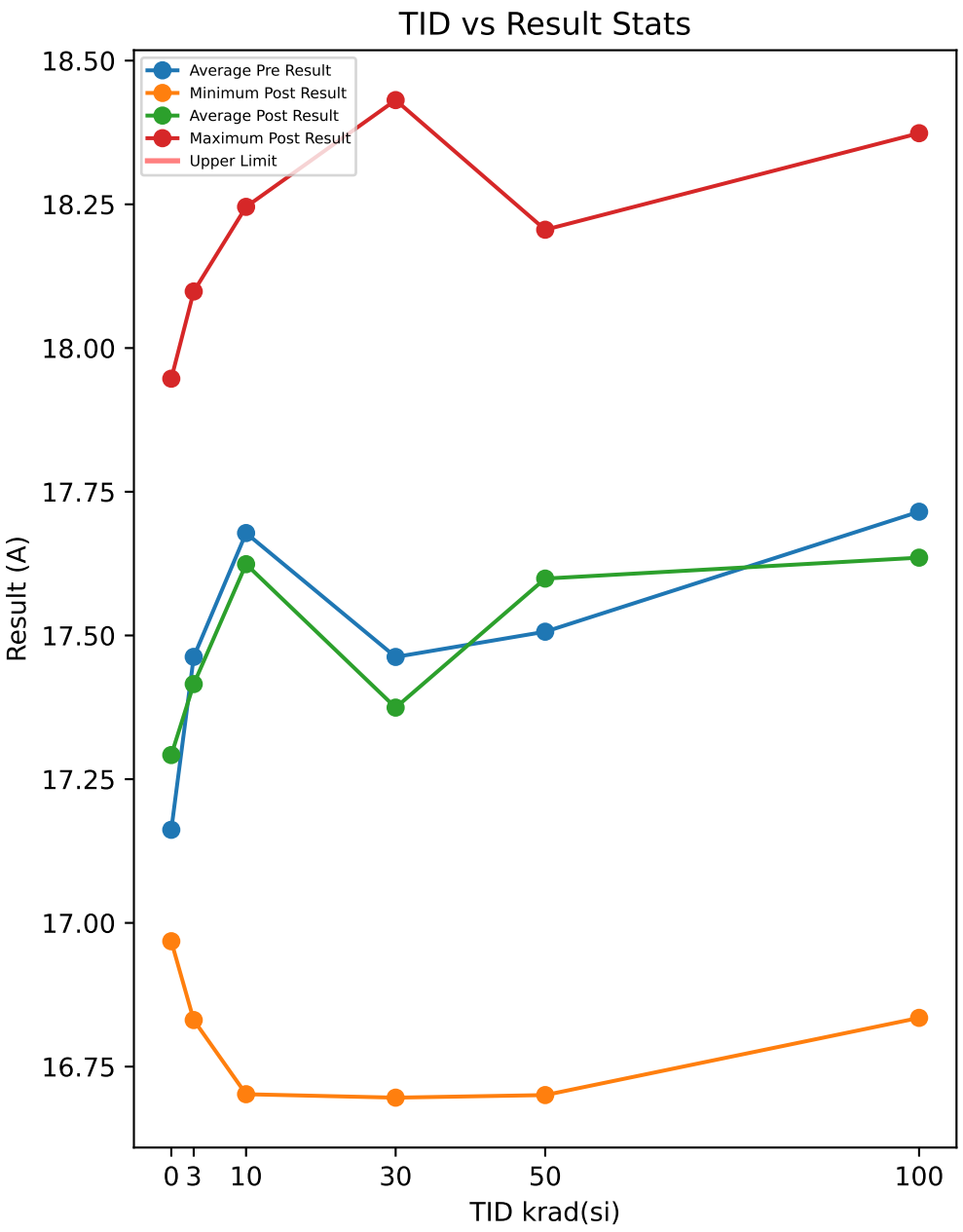
Test Results (No Limits Specified (A))

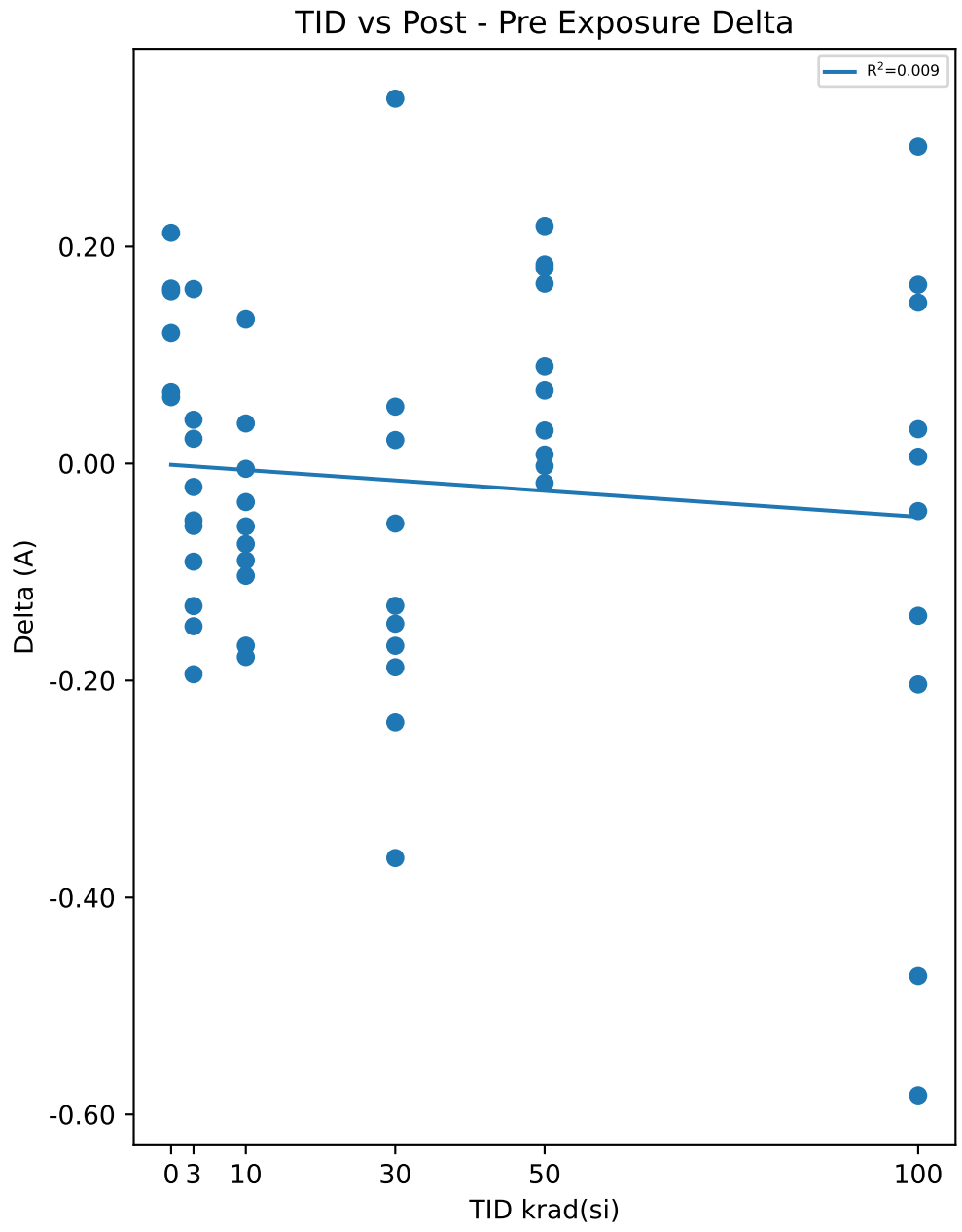
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	LDR Biased	10.827	10.886	0.0585
2	3	LDR Biased	11.468	11.312	-0.156
3	3	LDR Biased	10.862	10.908	0.0462
4	3	LDR Biased	11.831	11.836	0.0043
5	3	LDR Biased	11.508	11.484	-0.0233
6	10	LDR Biased	10.82	10.879	0.0592
7	10	LDR Biased	11.824	11.736	-0.0878
8	10	LDR Biased	11.809	11.594	-0.2152
9	10	LDR Biased	11.36	11.313	-0.0462
10	10	LDR Biased	11.194	11.13	-0.0642
11	30	LDR Biased	11.754	11.672	-0.0814
12	30	LDR Biased	11.285	11.21	-0.0751
13	30	LDR Biased	10.886	10.809	-0.0767
14	30	LDR Biased	10.809	10.76	-0.0492
15	30	LDR Biased	11.505	11.364	-0.1413
16	50	LDR Biased	10.964	10.874	-0.0902
17	50	LDR Biased	11.351	11.387	0.0358
18	50	LDR Biased	11.737	11.809	0.072
19	50	LDR Biased	11.493	11.396	-0.0977
20	50	LDR Biased	10.956	11.087	0.1311
21	100	LDR Biased	11.51	11.621	0.1114
22	100	LDR Biased	12.288	11.97	-0.3182
23	100	LDR Biased	11.043	11.04	-0.0032
24	100	LDR Biased	10.932	10.979	0.0463
25	100	LDR Biased	11.907	11.506	-0.4008
26	3	LDR Unbiased	10.75	10.959	0.2093
27	3	LDR Unbiased	11.64	11.634	-0.0068
28	3	LDR Unbiased	11.681	11.659	-0.022
29	3	LDR Unbiased	10.816	10.766	-0.0507
30	3	LDR Unbiased	11.372	11.475	0.1033
31	10	LDR Unbiased	11.68	11.642	-0.0382
32	10	LDR Unbiased	11.021	10.996	-0.0253
33	10	LDR Unbiased	11.421	11.652	0.2304
34	10	LDR Unbiased	11.447	11.525	0.0773
35	10	LDR Unbiased	11.921	11.891	-0.0293
36	30	LDR Unbiased	11.613	11.695	0.0825
37	30	LDR Unbiased	11.139	11.018	-0.1206
38	30	LDR Unbiased	11.77	12.137	0.3675
39	30	LDR Unbiased	11.185	11.175	-0.0095
40	30	LDR Unbiased	11.306	11.464	0.1575
41	50	LDR Unbiased	11.55	11.753	0.2025
42	50	LDR Unbiased	11.245	11.378	0.1332
43	50	LDR Unbiased	11.392	11.667	0.2743
44	50	LDR Unbiased	11.74	11.842	0.1018
45	50	LDR Unbiased	11.22	11.402	0.182
46	100	LDR Unbiased	11.298	10.728	-0.5699
47	100	LDR Unbiased	11.503	11.491	-0.012
48	100	LDR Unbiased	11.795	11.538	-0.2574
49	100	LDR Unbiased	11.852	11.885	0.033
50	100	LDR Unbiased	11.448	11.659	0.2114
60	0	Correlation	11.221	11.332	0.1106
61	0	Correlation	10.88	11.009	0.1288
62	0	Correlation	11.109	11.252	0.1424
63	0	Correlation	11.721	11.86	0.1392
64	0	Correlation	10.809	10.899	0.0898
65	0	Correlation	10.99	11.057	0.0664

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	10.809	11.122	11.721	0.32937	10.899	11.235	11.86	0.34533	0.0664	0.11287	0.1424	0.030053
3	10.75	11.276	11.831	0.41714	10.766	11.292	11.836	0.38273	-0.156	0.01628	0.2093	0.097401
10	10.82	11.45	11.921	0.36501	10.879	11.436	11.891	0.33864	-0.2152	-0.01393	0.2304	0.11731
30	10.809	11.325	11.77	0.33528	10.76	11.331	12.137	0.42853	-0.1413	0.00537	0.3675	0.1569
50	10.956	11.365	11.74	0.27773	10.874	11.459	11.842	0.31588	-0.0977	0.09448	0.2743	0.11997
100	10.932	11.558	12.288	0.41344	10.728	11.442	11.97	0.40219	-0.5699	-0.11594	0.2114	0.25364

Device Test: 20.43 _THRESHOLD|RISE/SW/5////@HIGHSIDE_CURR_LIM2_13A





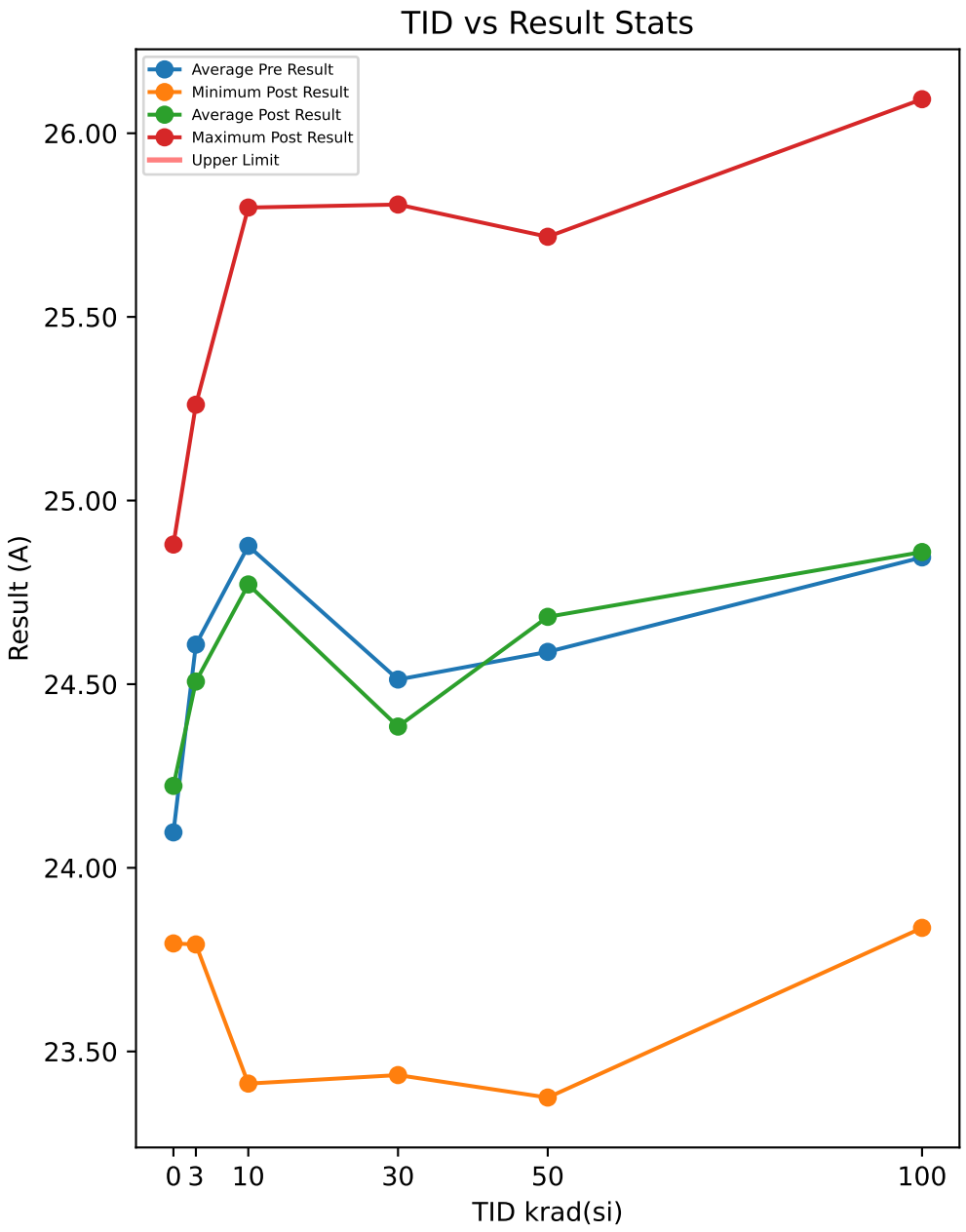
Test Results (No Limits Specified (A))

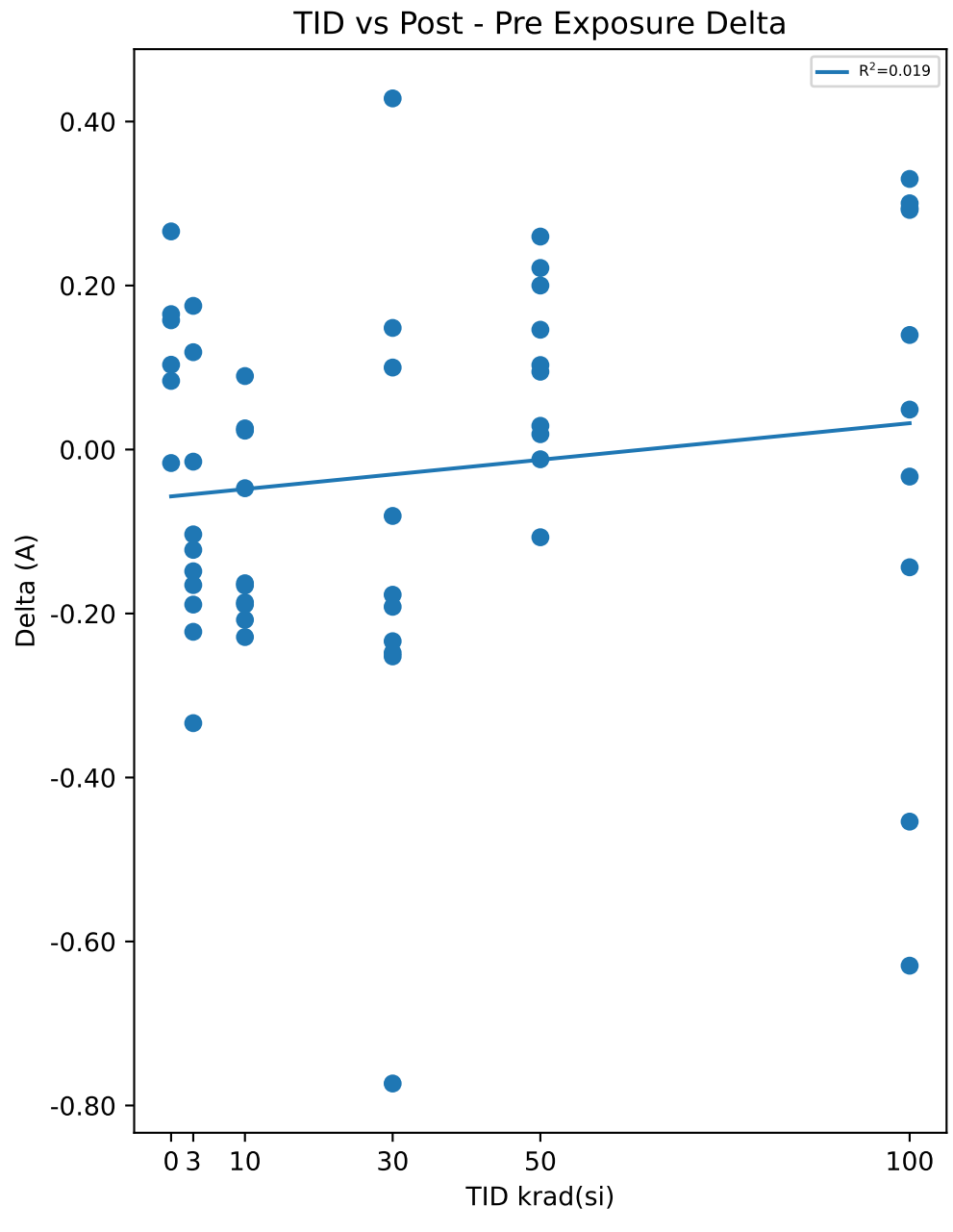
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	LDR Biased	16.924	16.965	0.0404
2	3	LDR Biased	17.631	17.437	-0.1942
3	3	LDR Biased	16.952	16.861	-0.0904
4	3	LDR Biased	18.076	18.098	0.0229
5	3	LDR Biased	17.611	17.462	-0.15
6	10	LDR Biased	16.738	16.702	-0.0355
7	10	LDR Biased	18.155	18.192	0.037
8	10	LDR Biased	17.904	17.736	-0.1679
9	10	LDR Biased	17.48	17.377	-0.1035
10	10	LDR Biased	17.261	17.172	-0.0893
11	30	LDR Biased	17.803	17.748	-0.0553
12	30	LDR Biased	17.458	17.311	-0.1476
13	30	LDR Biased	16.935	16.696	-0.2386
14	30	LDR Biased	16.951	16.763	-0.1878
15	30	LDR Biased	17.699	17.531	-0.168
16	50	LDR Biased	16.703	16.701	-0.0023
17	50	LDR Biased	17.689	17.697	0.0083
18	50	LDR Biased	17.706	17.796	0.0897
19	50	LDR Biased	17.689	17.756	0.0673
20	50	LDR Biased	17.043	17.226	0.1836
21	100	LDR Biased	17.608	17.773	0.1648
22	100	LDR Biased	18.514	18.374	-0.1403
23	100	LDR Biased	17.096	17.244	0.1483
24	100	LDR Biased	17.067	17.098	0.0317
25	100	LDR Biased	18.107	17.635	-0.4724
26	3	LDR Unbiased	16.928	17.089	0.1608
27	3	LDR Unbiased	17.985	17.963	-0.0216
28	3	LDR Unbiased	18.009	17.957	-0.0524
29	3	LDR Unbiased	16.889	16.831	-0.0575
30	3	LDR Unbiased	17.622	17.491	-0.1313
31	10	LDR Unbiased	18.004	17.946	-0.0579
32	10	LDR Unbiased	17.425	17.247	-0.1783
33	10	LDR Unbiased	17.655	17.788	0.133
34	10	LDR Unbiased	17.839	17.834	-0.0049
35	10	LDR Unbiased	18.32	18.246	-0.0741
36	30	LDR Unbiased	18.008	18.029	0.0217
37	30	LDR Unbiased	17.229	16.865	-0.3636
38	30	LDR Unbiased	18.095	18.431	0.3364
39	30	LDR Unbiased	17.068	16.937	-0.1311
40	30	LDR Unbiased	17.382	17.434	0.0525
41	50	LDR Unbiased	17.784	17.95	0.1658
42	50	LDR Unbiased	17.063	17.093	0.0305
43	50	LDR Unbiased	17.937	18.156	0.2189
44	50	LDR Unbiased	18.224	18.206	-0.0179
45	50	LDR Unbiased	17.228	17.408	0.1804
46	100	LDR Unbiased	17.417	16.835	-0.5824
47	100	LDR Unbiased	17.571	17.527	-0.0438
48	100	LDR Unbiased	17.969	17.765	-0.2036
49	100	LDR Unbiased	18.065	18.357	0.2922
50	100	LDR Unbiased	17.739	17.746	0.0063
60	0	Correlation	17.531	17.652	0.1206
61	0	Correlation	16.809	16.968	0.1588
62	0	Correlation	16.984	17.145	0.1612
63	0	Correlation	17.734	17.947	0.2127
64	0	Correlation	16.947	17.012	0.0656
65	0	Correlation	16.966	17.027	0.0612

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	16.809	17.162	17.734	0.37523	16.968	17.292	17.947	0.40804	0.0612	0.13002	0.2127	0.059349
3	16.889	17.463	18.076	0.49316	16.831	17.415	18.098	0.47444	-0.1942	-0.04733	0.1608	0.10422
10	16.738	17.678	18.32	0.46965	16.702	17.624	18.246	0.4893	-0.1783	-0.05414	0.133	0.093418
30	16.935	17.463	18.095	0.42508	16.696	17.375	18.431	0.57759	-0.3636	-0.08814	0.3364	0.19246
50	16.703	17.507	18.224	0.47364	16.701	17.599	18.206	0.48457	-0.0179	0.09243	0.2189	0.088272
100	17.067	17.715	18.514	0.45992	16.835	17.635	18.374	0.49523	-0.5824	-0.07992	0.2922	0.27831

Device Test: 20.44 _THRESHOLD|RISE/SW/5////@HIGHSIDE_CURR_LIM2_19A





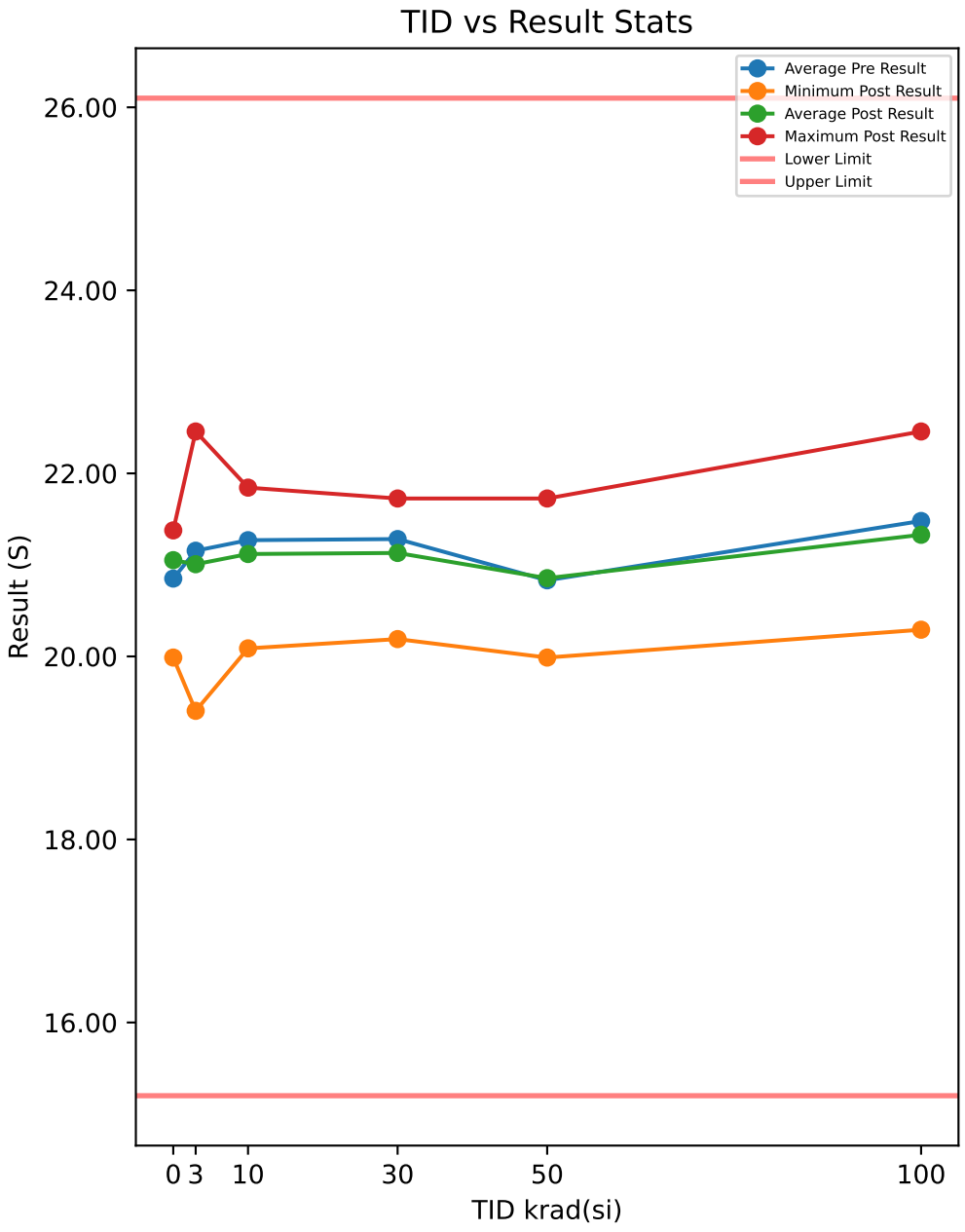
Test Results (No Limits Specified (A))

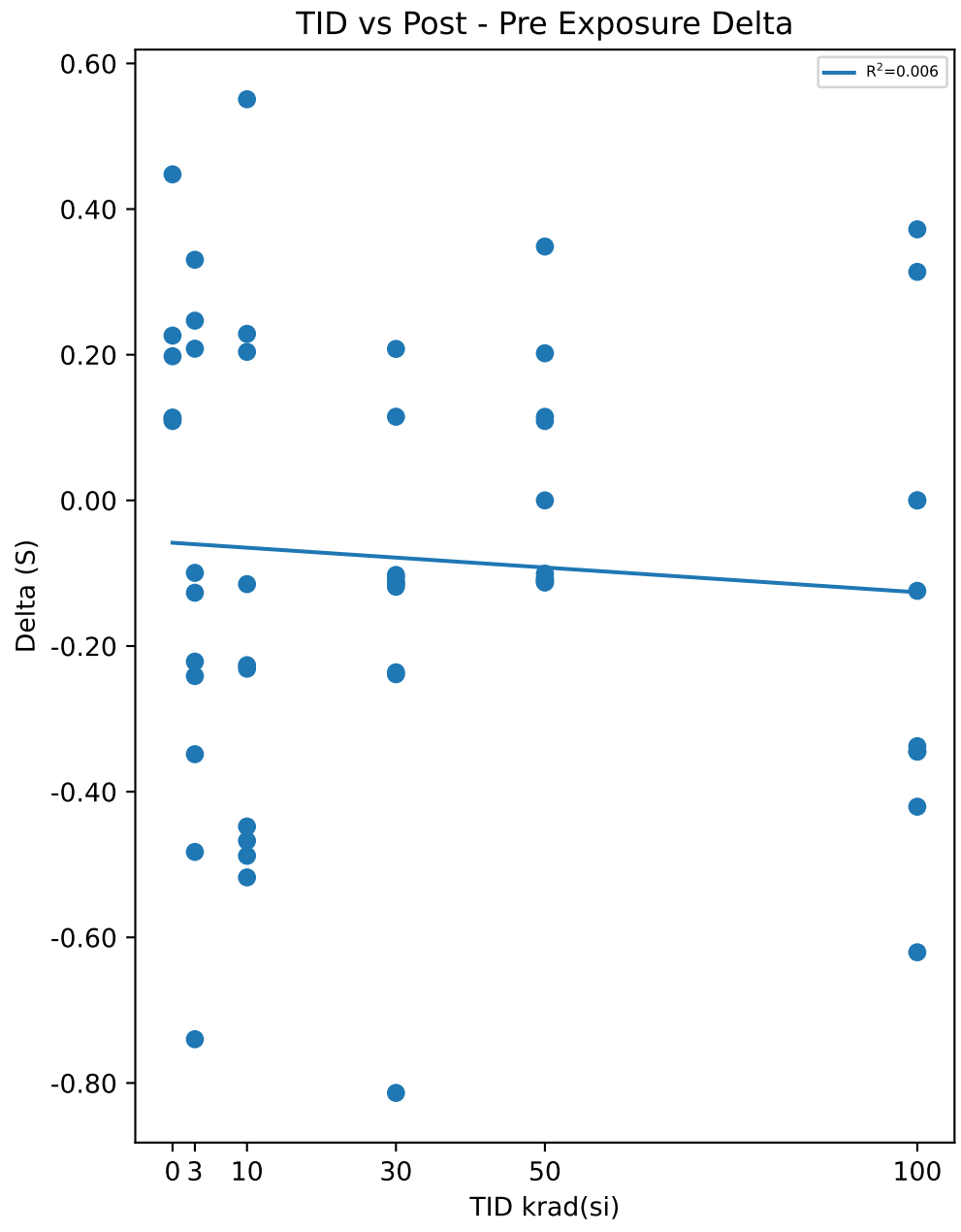
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	LDR Biased	23.965	24.083	0.1187
2	3	LDR Biased	24.79	24.456	-0.3337
3	3	LDR Biased	23.957	23.791	-0.1653
4	3	LDR Biased	25.383	25.261	-0.1224
5	3	LDR Biased	24.621	24.432	-0.1891
6	10	LDR Biased	23.387	23.413	0.0258
7	10	LDR Biased	25.775	25.798	0.023
8	10	LDR Biased	25.058	24.893	-0.1658
9	10	LDR Biased	24.561	24.375	-0.1864
10	10	LDR Biased	24.217	23.988	-0.2287
11	30	LDR Biased	25.172	24.995	-0.1771
12	30	LDR Biased	24.506	24.424	-0.081
13	30	LDR Biased	23.765	23.531	-0.2338
14	30	LDR Biased	23.911	23.663	-0.2479
15	30	LDR Biased	24.913	24.721	-0.1918
16	50	LDR Biased	23.356	23.375	0.0187
17	50	LDR Biased	25.083	24.976	-0.107
18	50	LDR Biased	24.596	24.7	0.103
19	50	LDR Biased	24.86	24.889	0.0289
20	50	LDR Biased	24.077	24.337	0.2597
21	100	LDR Biased	24.638	24.932	0.2944
22	100	LDR Biased	25.792	26.093	0.3003
23	100	LDR Biased	24.176	24.468	0.2922
24	100	LDR Biased	24.096	24.236	0.1397
25	100	LDR Biased	25.165	24.711	-0.4538
26	3	LDR Unbiased	24.169	24.345	0.1752
27	3	LDR Unbiased	25.254	25.239	-0.0148
28	3	LDR Unbiased	25.348	25.126	-0.2223
29	3	LDR Unbiased	23.95	23.846	-0.1035
30	3	LDR Unbiased	24.641	24.492	-0.1485
31	10	LDR Unbiased	25.449	25.285	-0.1631
32	10	LDR Unbiased	24.585	24.396	-0.189
33	10	LDR Unbiased	24.814	24.904	0.0896
34	10	LDR Unbiased	25.19	25.143	-0.0472
35	10	LDR Unbiased	25.728	25.52	-0.2077
36	30	LDR Unbiased	25.243	25.391	0.1483
37	30	LDR Unbiased	24.209	23.436	-0.7732
38	30	LDR Unbiased	25.378	25.806	0.4282
39	30	LDR Unbiased	23.81	23.557	-0.2523
40	30	LDR Unbiased	24.221	24.32	0.1
41	50	LDR Unbiased	24.967	25.188	0.2214
42	50	LDR Unbiased	23.629	23.724	0.0949
43	50	LDR Unbiased	25.384	25.531	0.1461
44	50	LDR Unbiased	25.73	25.718	-0.0119
45	50	LDR Unbiased	24.196	24.396	0.2
46	100	LDR Unbiased	24.466	23.837	-0.6295
47	100	LDR Unbiased	24.489	24.538	0.0487
48	100	LDR Unbiased	25.231	25.088	-0.1436
49	100	LDR Unbiased	25.42	25.75	0.33
50	100	LDR Unbiased	24.978	24.945	-0.033
60	0	Correlation	24.797	24.88	0.0837
61	0	Correlation	23.553	23.819	0.266
62	0	Correlation	23.637	23.794	0.1576
63	0	Correlation	24.698	24.863	0.1651
64	0	Correlation	24.128	24.112	-0.0165
65	0	Correlation	23.766	23.87	0.1034

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	23.553	24.097	24.797	0.54192	23.794	24.223	24.88	0.51491	-0.0165	0.12655	0.266	0.094585
3	23.95	24.608	25.383	0.58354	23.791	24.507	25.261	0.54273	-0.3337	-0.10057	0.1752	0.15473
10	23.387	24.876	25.775	0.73279	23.413	24.772	25.798	0.73075	-0.2287	-0.10495	0.0896	0.1161
30	23.765	24.513	25.378	0.62092	23.436	24.385	25.806	0.84056	-0.7732	-0.12806	0.4282	0.31687
50	23.356	24.588	25.73	0.76399	23.375	24.683	25.718	0.74589	-0.107	0.09538	0.2597	0.1151
100	24.096	24.845	25.792	0.55967	23.837	24.86	26.093	0.67438	-0.6295	0.01454	0.33	0.33579

Device Test: 20.45 _GMPS|STATIC/SW/5////@EA_COMP_ISWITCH_GM_19A_25C





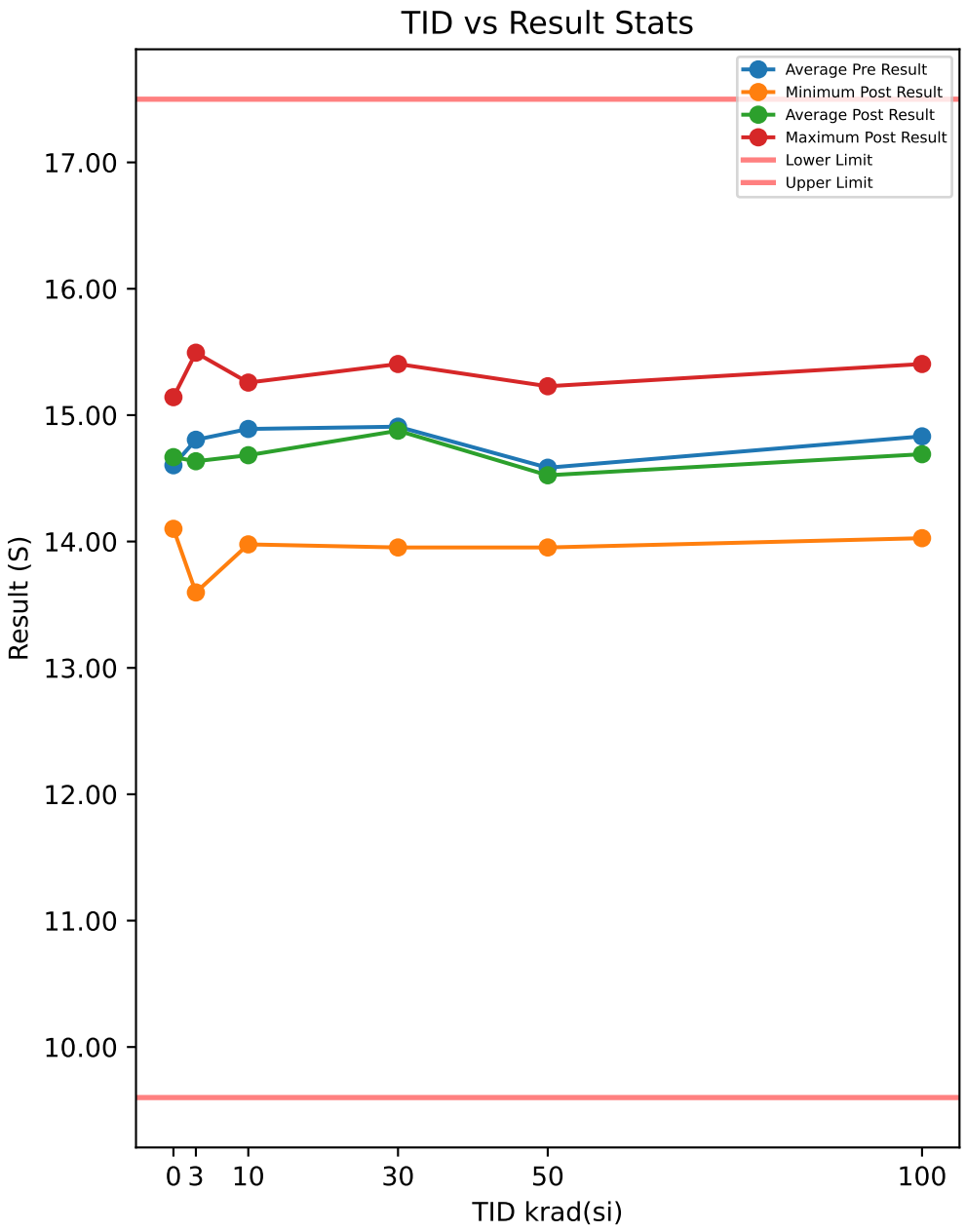
Test Results (Lower Limit = 15.2, Upper Limit = 26.1 (S))

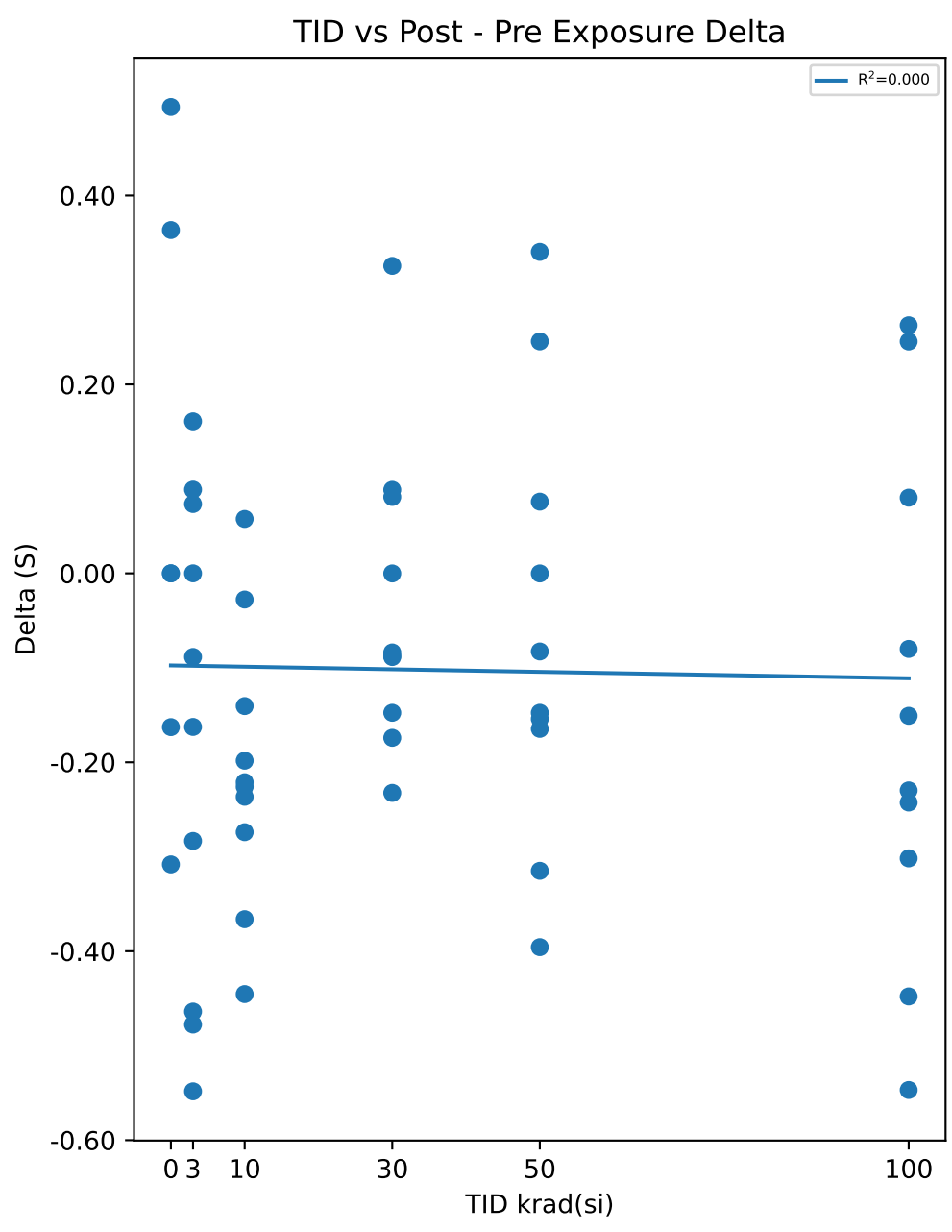
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	LDR Biased	21.726	21.377	-0.3485
2	3	LDR Biased	20.929	20.189	-0.7399
3	3	LDR Biased	22.086	21.844	-0.2412
4	3	LDR Biased	22.585	22.458	-0.1268
5	3	LDR Biased	22.086	22.332	0.2468
6	10	LDR Biased	21.377	21.151	-0.2263
7	10	LDR Biased	21.844	21.377	-0.4674
8	10	LDR Biased	21.492	21.377	-0.115
9	10	LDR Biased	20.606	20.088	-0.5177
10	10	LDR Biased	22.332	21.844	-0.488
11	30	LDR Biased	20.606	20.5	-0.1056
12	30	LDR Biased	21.964	21.726	-0.2387
13	30	LDR Biased	21.844	21.726	-0.1186
14	30	LDR Biased	21.844	21.608	-0.2361
15	30	LDR Biased	21.377	21.263	-0.1137
16	50	LDR Biased	21.263	21.151	-0.1126
17	50	LDR Biased	20.82	20.712	-0.1079
18	50	LDR Biased	20.5	20.5	0
19	50	LDR Biased	20.088	19.988	-0.1005
20	50	LDR Biased	21.377	21.726	0.3486
21	100	LDR Biased	21.377	21.04	-0.3375
22	100	LDR Biased	21.608	21.263	-0.3449
23	100	LDR Biased	22.086	22.458	0.3722
24	100	LDR Biased	20.292	20.606	0.3138
25	100	LDR Biased	22.585	21.964	-0.6205
26	3	LDR Unbiased	21.151	20.929	-0.2214
27	3	LDR Unbiased	19.988	19.888	-0.0995
28	3	LDR Unbiased	20.292	20.5	0.2083
29	3	LDR Unbiased	19.888	19.405	-0.4827
30	3	LDR Unbiased	20.82	21.151	0.3304
31	10	LDR Unbiased	20.712	21.263	0.5508
32	10	LDR Unbiased	21.263	21.492	0.2287
33	10	LDR Unbiased	20.088	20.292	0.204
34	10	LDR Unbiased	21.377	20.929	-0.4478
35	10	LDR Unbiased	21.608	21.377	-0.2311
36	30	LDR Unbiased	20.292	20.5	0.208
37	30	LDR Unbiased	21.964	21.151	-0.8136
38	30	LDR Unbiased	21.263	21.151	-0.1126
39	30	LDR Unbiased	20.292	20.189	-0.1024
40	30	LDR Unbiased	21.377	21.492	0.1149
41	50	LDR Unbiased	21.263	21.151	-0.1125
42	50	LDR Unbiased	20.82	20.929	0.109
43	50	LDR Unbiased	20.82	20.712	-0.1079
44	50	LDR Unbiased	21.377	21.492	0.1147
45	50	LDR Unbiased	19.988	20.189	0.202
46	100	LDR Unbiased	20.712	20.292	-0.4206
47	100	LDR Unbiased	20.82	20.82	0
48	100	LDR Unbiased	22.332	22.208	-0.1242
49	100	LDR Unbiased	21.608	21.263	-0.3449
50	100	LDR Unbiased	21.377	21.377	0
60	0	Correlation	21.151	21.263	0.1126
61	0	Correlation	20.929	21.377	0.4477
62	0	Correlation	21.151	21.377	0.2263
63	0	Correlation	21.263	21.377	0.1137
64	0	Correlation	19.79	19.988	0.1979
65	0	Correlation	20.82	20.929	0.109

Test Statistics (S)

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	19.79	20.851	21.263	0.54466	19.988	21.052	21.377	0.54951	0.109	0.2012	0.4477	0.1307
3	19.888	21.155	22.585	0.9415	19.405	21.007	22.458	1.0257	-0.7399	-0.14745	0.3304	0.33848
10	20.088	21.27	22.332	0.64933	20.088	21.119	21.844	0.54466	-0.5177	-0.15098	0.5508	0.36702
30	20.292	21.282	21.964	0.66665	20.189	21.131	21.726	0.5544	-0.8136	-0.15184	0.208	0.27119
50	19.988	20.832	21.377	0.51027	19.988	20.855	21.726	0.54832	-0.1126	0.02329	0.3486	0.16352
100	20.292	21.48	22.585	0.73058	20.292	21.329	22.458	0.69946	-0.6205	-0.15066	0.3722	0.32304

Device Test: 20.46 _GMPS|STATIC/SW/5////@EA_COMP_ISWITCH_GM_13A_25C





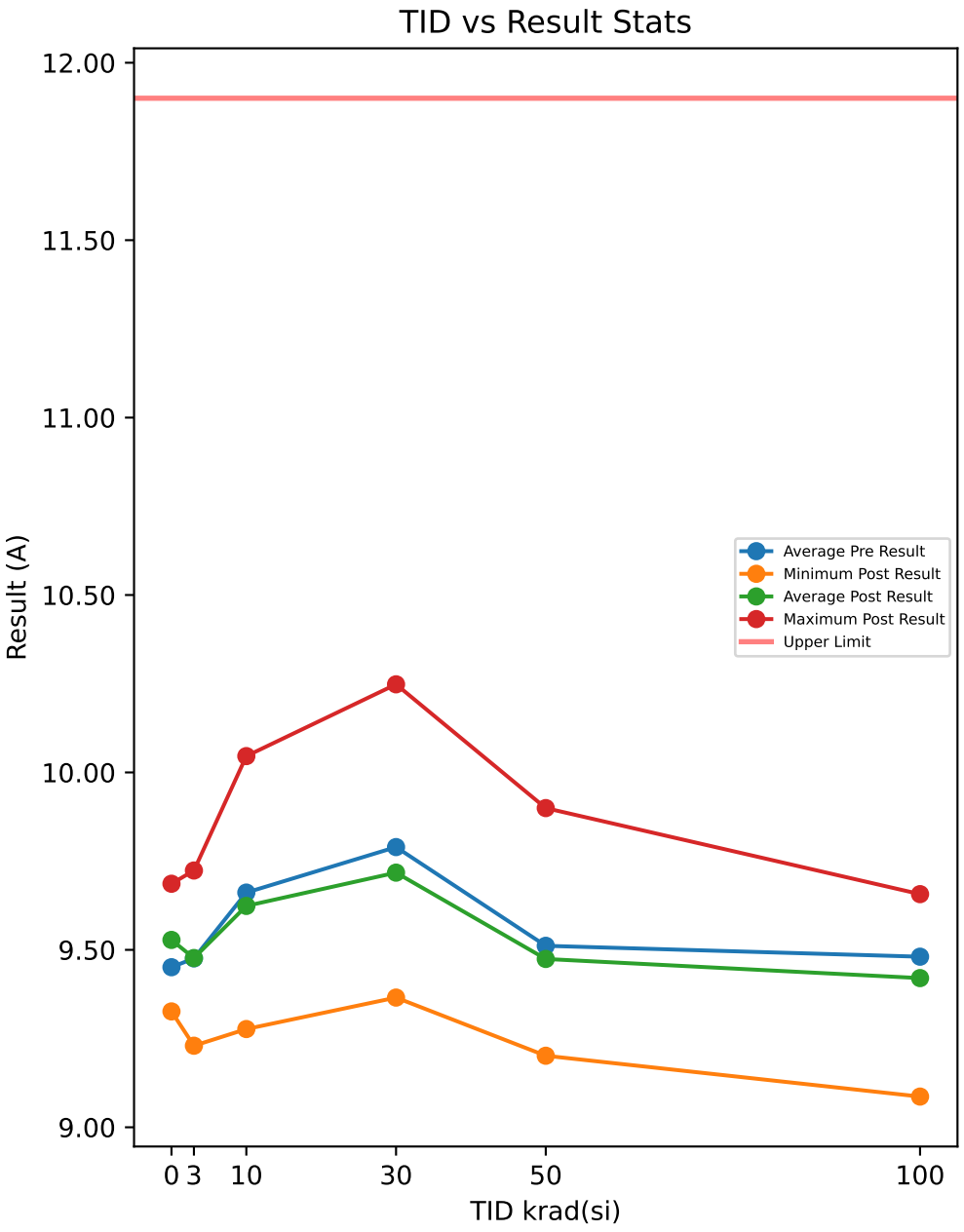
Test Results (Lower Limit = 9.6, Upper Limit = 17.5 (S))

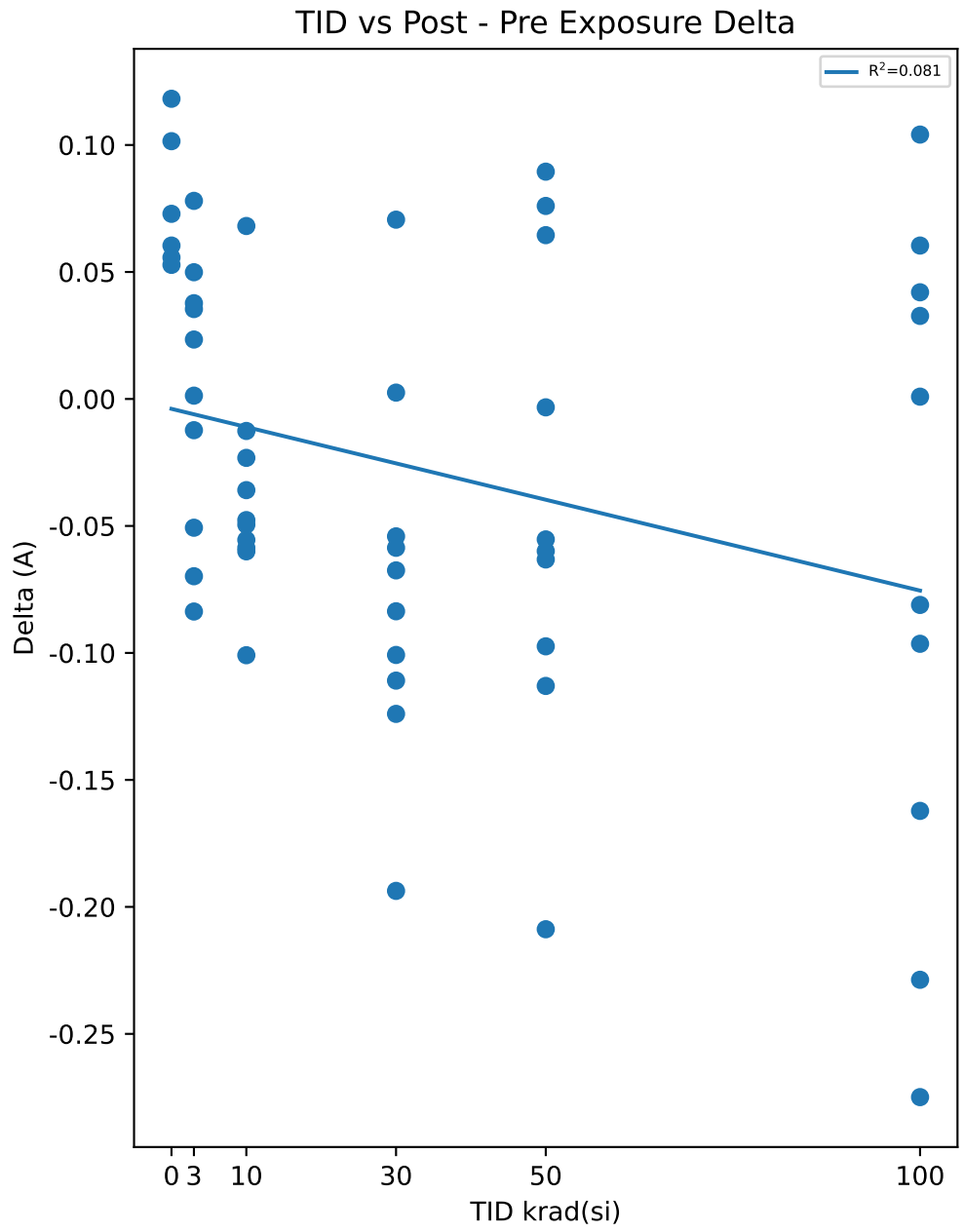
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	LDR Biased	14.806	14.643	-0.1626
2	3	LDR Biased	14.724	14.176	-0.5483
3	3	LDR Biased	15.405	15.316	-0.0885
4	3	LDR Biased	15.958	15.494	-0.4639
5	3	LDR Biased	15.316	15.405	0.0886
6	10	LDR Biased	14.888	14.861	-0.0277
7	10	LDR Biased	15.142	15.2	0.0576
8	10	LDR Biased	15.142	14.697	-0.4454
9	10	LDR Biased	14.176	13.977	-0.1983
10	10	LDR Biased	15.494	15.258	-0.2365
11	30	LDR Biased	14.484	14.251	-0.2324
12	30	LDR Biased	15.316	15.229	-0.0874
13	30	LDR Biased	15.405	15.316	-0.0886
14	30	LDR Biased	15.316	15.142	-0.1741
15	30	LDR Biased	14.972	14.972	-0.0001
16	50	LDR Biased	14.484	14.484	-0.0001
17	50	LDR Biased	14.888	14.724	-0.1646
18	50	LDR Biased	14.724	14.328	-0.3957
19	50	LDR Biased	14.101	13.953	-0.1476
20	50	LDR Biased	14.643	14.888	0.2455
21	100	LDR Biased	14.643	14.563	-0.08
22	100	LDR Biased	14.643	14.888	0.2454
23	100	LDR Biased	15.142	15.405	0.2626
24	100	LDR Biased	14.251	14.101	-0.1508
25	100	LDR Biased	15.676	15.229	-0.4479
26	3	LDR Unbiased	14.643	14.643	0
27	3	LDR Unbiased	13.953	14.026	0.0734
28	3	LDR Unbiased	14.806	14.328	-0.4776
29	3	LDR Unbiased	13.88	13.597	-0.2833
30	3	LDR Unbiased	14.563	14.724	0.1609
31	10	LDR Unbiased	14.972	14.751	-0.2211
32	10	LDR Unbiased	15.142	14.916	-0.2259
33	10	LDR Unbiased	14.251	13.977	-0.274
34	10	LDR Unbiased	14.643	14.277	-0.3661
35	10	LDR Unbiased	15.056	14.916	-0.1405
36	30	LDR Unbiased	14.643	14.724	0.0809
37	30	LDR Unbiased	15.316	15.405	0.0884
38	30	LDR Unbiased	14.972	14.888	-0.0837
39	30	LDR Unbiased	14.101	13.953	-0.1476
40	30	LDR Unbiased	14.563	14.888	0.3255
41	50	LDR Unbiased	14.888	14.806	-0.0827
42	50	LDR Unbiased	14.405	14.251	-0.1541
43	50	LDR Unbiased	14.643	14.328	-0.3149
44	50	LDR Unbiased	14.888	15.229	0.3403
45	50	LDR Unbiased	14.175	14.251	0.0759
46	100	LDR Unbiased	14.328	14.026	-0.3017
47	100	LDR Unbiased	14.405	14.176	-0.2298
48	100	LDR Unbiased	15.863	15.316	-0.5469
49	100	LDR Unbiased	14.806	14.563	-0.2426
50	100	LDR Unbiased	14.563	14.643	0.0801
60	0	Correlation	14.806	14.643	-0.1628
61	0	Correlation	14.563	15.056	0.4937
62	0	Correlation	15.142	15.142	0
63	0	Correlation	14.888	14.888	0
64	0	Correlation	13.737	14.101	0.3634
65	0	Correlation	14.484	14.176	-0.3081

Test Statistics (S)

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	13.737	14.603	15.142	0.48551	14.101	14.668	15.142	0.44481	-0.3081	0.064367	0.4937	0.30737
3	13.88	14.805	15.958	0.63445	13.597	14.635	15.494	0.62854	-0.5483	-0.17013	0.1609	0.25995
10	14.176	14.891	15.494	0.41757	13.977	14.683	15.258	0.45983	-0.4454	-0.20779	0.0576	0.14709
30	14.101	14.909	15.405	0.44423	13.953	14.877	15.405	0.46466	-0.2324	-0.03191	0.3255	0.16287
50	14.101	14.584	14.888	0.28808	13.953	14.524	15.229	0.38031	-0.3957	-0.0598	0.3403	0.23125
100	14.251	14.832	15.863	0.5568	14.026	14.691	15.405	0.50764	-0.5469	-0.14116	0.2626	0.27241

Device Test: 20.5 _THRESHOLD|RISE/SW/4.5////@HIGHSIDE_CURR_LIM_9A





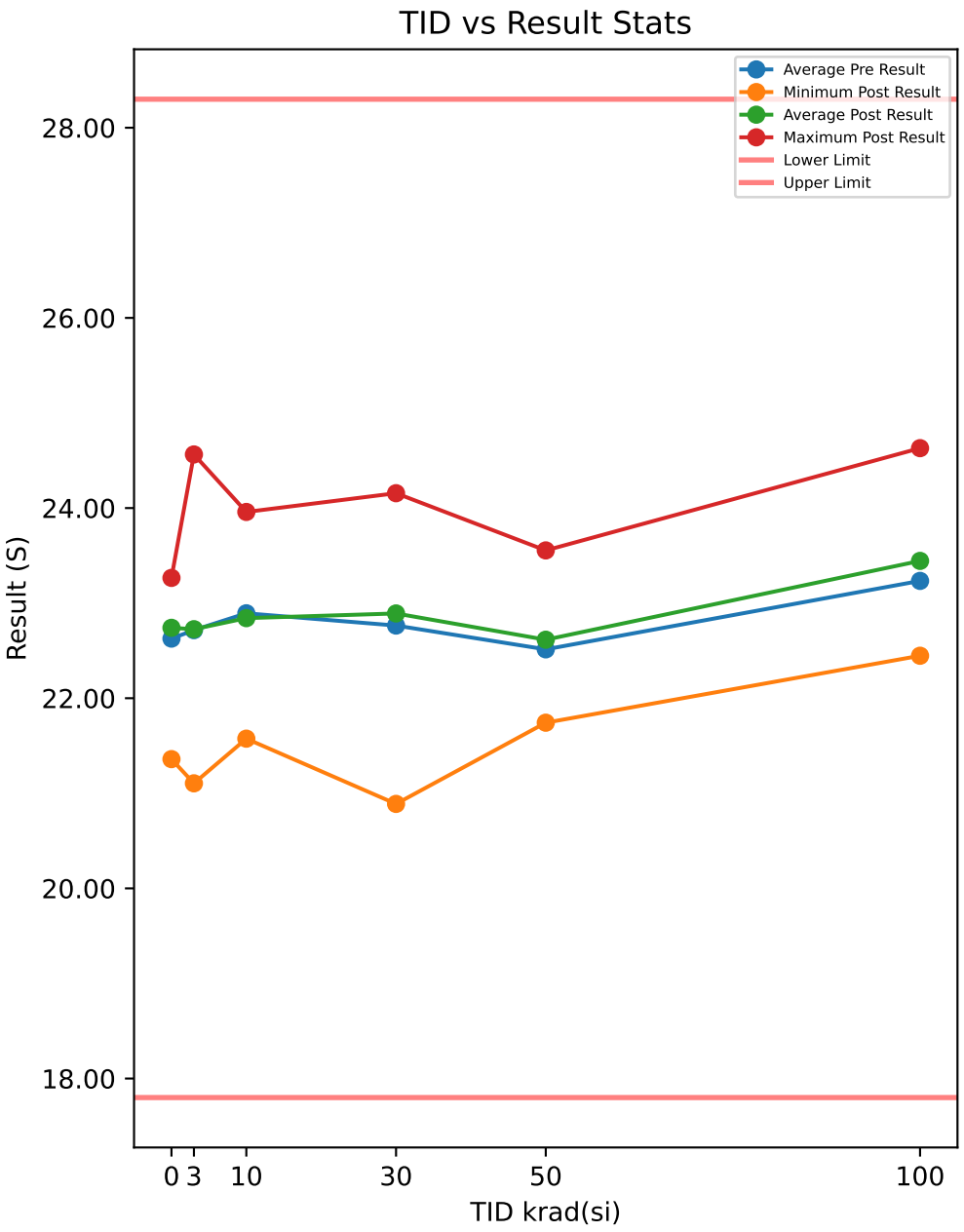
Test Results (Upper Limit = 11.9 (A))

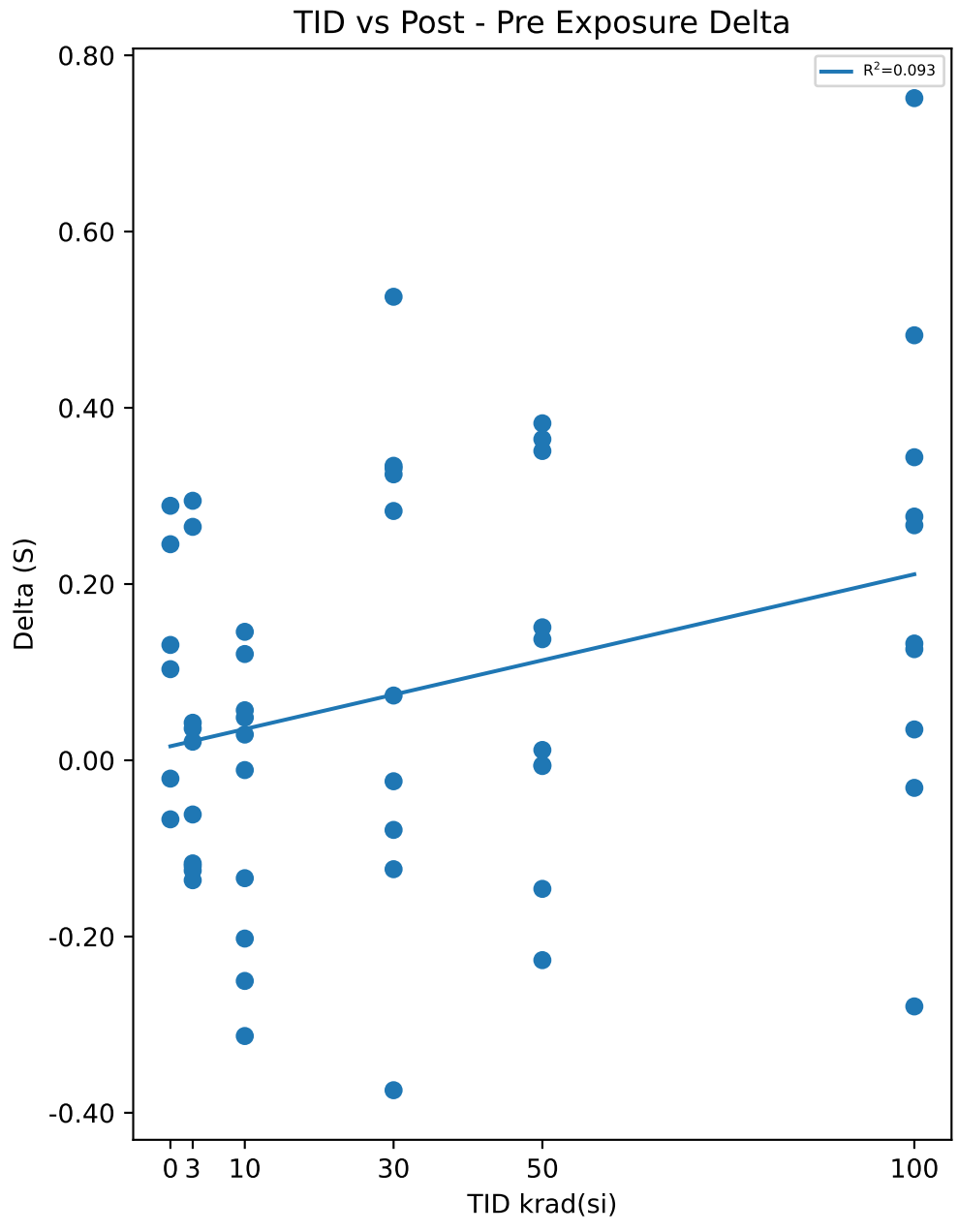
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	LDR Biased	9.2294	9.2671	0.0377
2	3	LDR Biased	9.7033	9.6196	-0.0837
3	3	LDR Biased	9.3008	9.3021	0.0013
4	3	LDR Biased	9.5665	9.5542	-0.0123
5	3	LDR Biased	9.7743	9.7236	-0.0507
6	10	LDR Biased	9.7105	9.6519	-0.0586
7	10	LDR Biased	9.9319	9.896	-0.0359
8	10	LDR Biased	9.3323	9.2768	-0.0555
9	10	LDR Biased	9.4487	9.4361	-0.0126
10	10	LDR Biased	9.6708	9.6213	-0.0495
11	30	LDR Biased	9.4764	9.3655	-0.1109
12	30	LDR Biased	9.4689	9.4103	-0.0586
13	30	LDR Biased	9.8518	9.6581	-0.1937
14	30	LDR Biased	9.5581	9.4906	-0.0675
15	30	LDR Biased	10.372	10.248	-0.124
16	50	LDR Biased	9.7379	9.5291	-0.2088
17	50	LDR Biased	9.712	9.6146	-0.0974
18	50	LDR Biased	9.5438	9.4308	-0.113
19	50	LDR Biased	9.327	9.2638	-0.0632
20	50	LDR Biased	9.3464	9.4109	0.0645
21	100	LDR Biased	9.6263	9.4641	-0.1622
22	100	LDR Biased	9.8857	9.657	-0.2287
23	100	LDR Biased	9.5544	9.4733	-0.0811
24	100	LDR Biased	9.0856	9.0865	0.0009
25	100	LDR Biased	9.4602	9.1853	-0.2749
26	3	LDR Unbiased	9.498	9.5334	0.0354
27	3	LDR Unbiased	9.6605	9.5907	-0.0698
28	3	LDR Unbiased	9.5794	9.6293	0.0499
29	3	LDR Unbiased	9.1518	9.2298	0.078
30	3	LDR Unbiased	9.2958	9.3192	0.0234
31	10	LDR Unbiased	9.6332	9.5732	-0.06
32	10	LDR Unbiased	10.009	9.9077	-0.1009
33	10	LDR Unbiased	9.4836	9.5517	0.0681
34	10	LDR Unbiased	9.3249	9.2772	-0.0477
35	10	LDR Unbiased	10.069	10.046	-0.0232
36	30	LDR Unbiased	9.8087	9.8793	0.0706
37	30	LDR Unbiased	9.8895	9.8354	-0.0541
38	30	LDR Unbiased	9.6992	9.5984	-0.1008
39	30	LDR Unbiased	10.01	9.9267	-0.0836
40	30	LDR Unbiased	9.761	9.7635	0.0025
41	50	LDR Unbiased	9.1121	9.2016	0.0895
42	50	LDR Unbiased	9.5771	9.6531	0.076
43	50	LDR Unbiased	9.3736	9.3137	-0.0599
44	50	LDR Unbiased	9.9548	9.8995	-0.0553
45	50	LDR Unbiased	9.4294	9.4261	-0.0033
46	100	LDR Unbiased	9.3019	9.2055	-0.0964
47	100	LDR Unbiased	9.4365	9.4969	0.0604
48	100	LDR Unbiased	9.5751	9.6078	0.0327
49	100	LDR Unbiased	9.4799	9.5219	0.042
50	100	LDR Unbiased	9.4015	9.5056	0.1041
60	0	Correlation	9.4561	9.5089	0.0528
61	0	Correlation	9.4978	9.616	0.1182
62	0	Correlation	9.6306	9.6863	0.0557
63	0	Correlation	9.5485	9.65	0.1015
64	0	Correlation	9.3198	9.3802	0.0604
65	0	Correlation	9.2536	9.3265	0.0729

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	9.2536	9.4511	9.6306	0.14153	9.3265	9.528	9.6863	0.14866	0.0528	0.076917	0.1182	0.026942
3	9.1518	9.476	9.7743	0.21683	9.2298	9.4769	9.7236	0.1786	-0.0837	0.00092	0.078	0.054149
10	9.3249	9.6614	10.069	0.27115	9.2768	9.6238	10.046	0.26189	-0.1009	-0.03758	0.0681	0.044123
30	9.4689	9.7896	10.372	0.27203	9.3655	9.7176	10.248	0.26981	-0.1937	-0.07201	0.0706	0.0718
50	9.1121	9.5114	9.9548	0.24492	9.2016	9.4743	9.8995	0.20767	-0.2088	-0.03709	0.0895	0.094689
100	9.0856	9.4807	9.8857	0.20984	9.0865	9.4204	9.657	0.19211	-0.2749	-0.06032	0.1041	0.12952

Device Test: 20.51 _GMPS|STATIC/SW/5////@EA_COMP_ISWITCH_GM_0P5V_19A





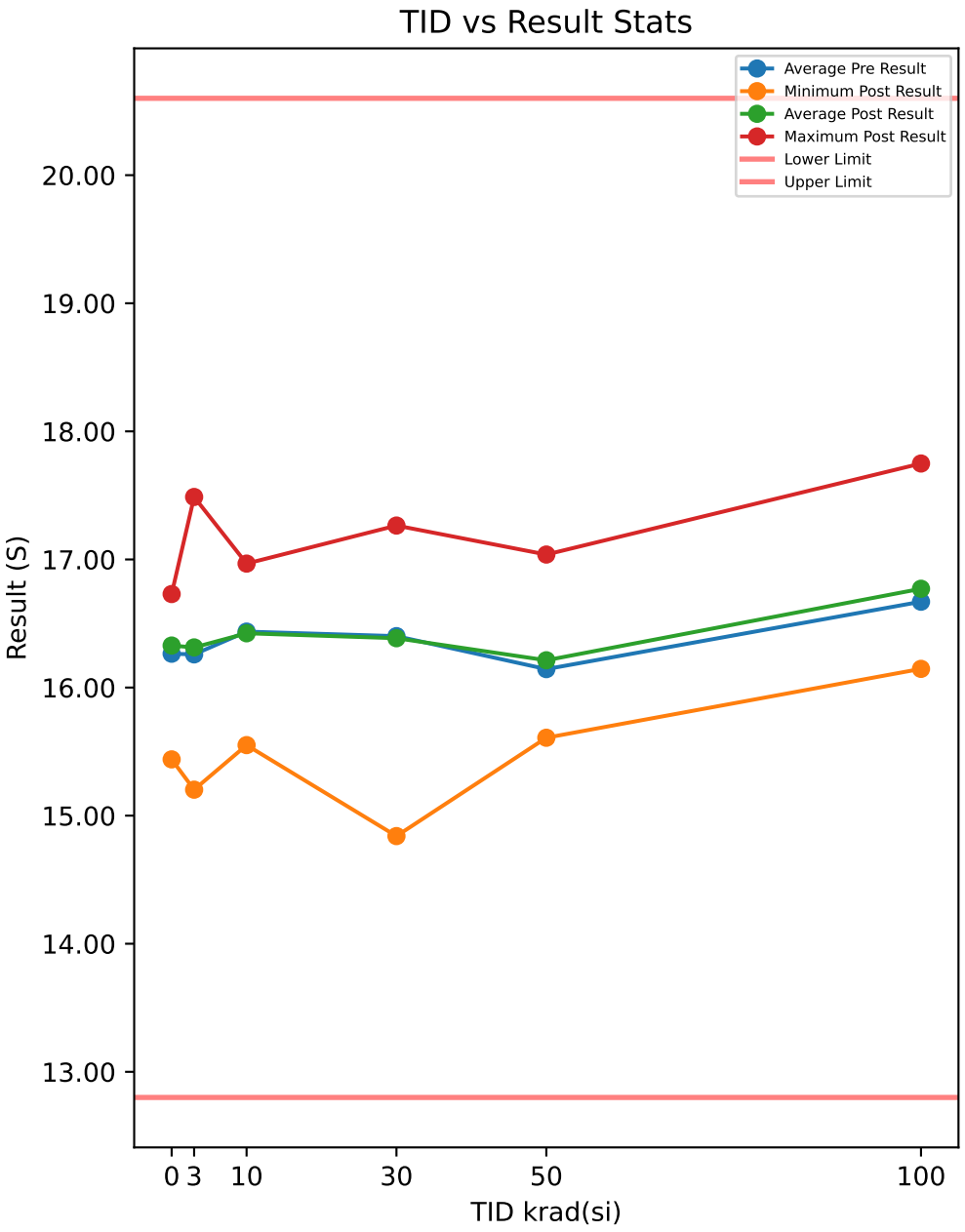
Test Results (Lower Limit = 17.8, Upper Limit = 28.3 (S))

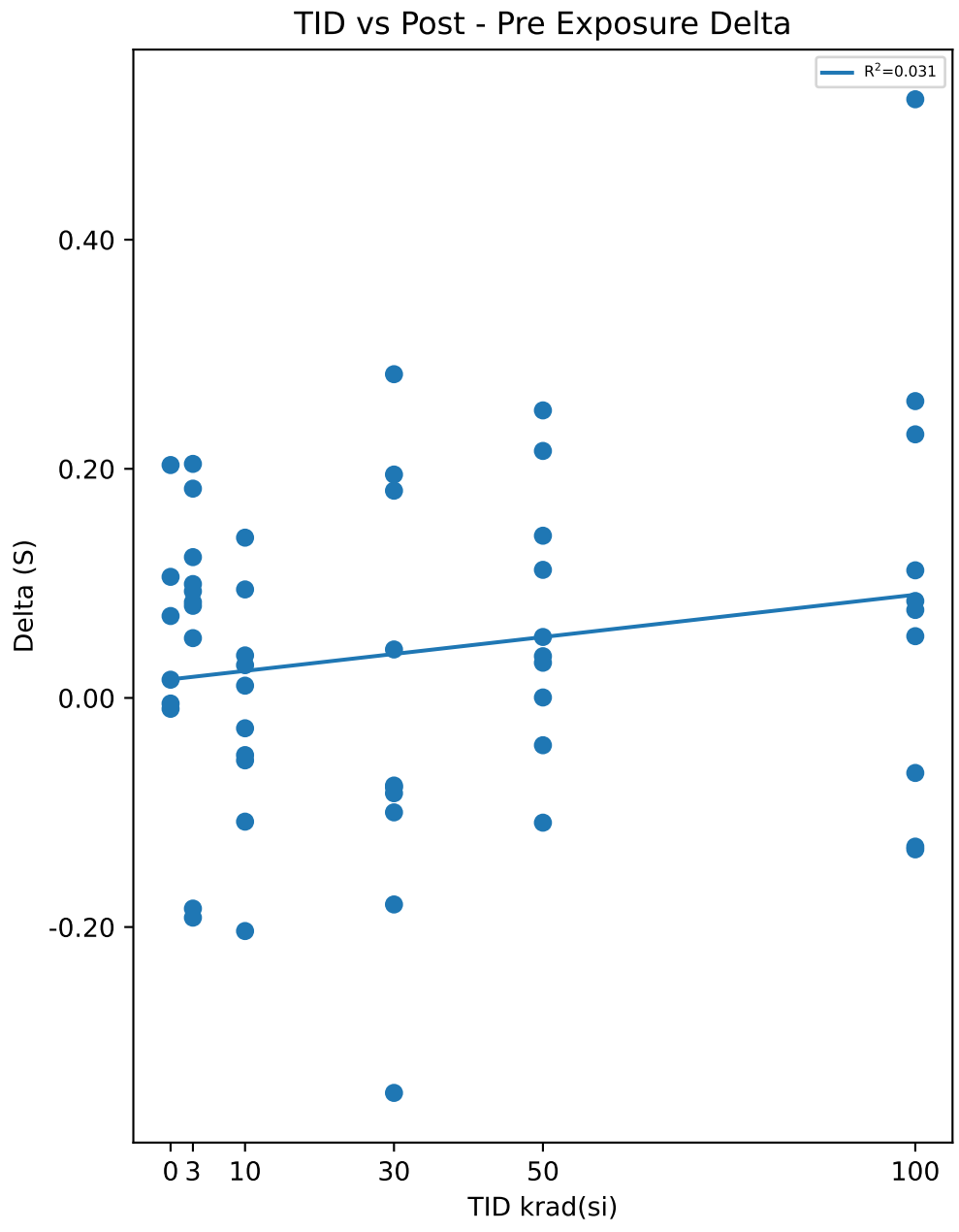
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	LDR Biased	23.253	23.274	0.0211
2	3	LDR Biased	21.973	21.837	-0.1361
3	3	LDR Biased	24.625	24.564	-0.0615
4	3	LDR Biased	24.252	24.295	0.0426
5	3	LDR Biased	23.054	22.929	-0.1251
6	10	LDR Biased	23.051	22.801	-0.2504
7	10	LDR Biased	23.076	23.105	0.0292
8	10	LDR Biased	23.48	23.167	-0.3129
9	10	LDR Biased	22.083	21.949	-0.1338
10	10	LDR Biased	23.91	23.959	0.0485
11	30	LDR Biased	21.923	21.997	0.0735
12	30	LDR Biased	23.825	24.156	0.3313
13	30	LDR Biased	23.287	23.621	0.3342
14	30	LDR Biased	24.101	24.022	-0.079
15	30	LDR Biased	22.29	22.614	0.3245
16	50	LDR Biased	22.84	22.852	0.0117
17	50	LDR Biased	22.124	22.274	0.1509
18	50	LDR Biased	22.67	22.443	-0.2268
19	50	LDR Biased	21.644	21.782	0.1374
20	50	LDR Biased	23.203	23.555	0.351
21	100	LDR Biased	22.904	23.036	0.1325
22	100	LDR Biased	22.47	22.737	0.2667
23	100	LDR Biased	23.602	24.354	0.7514
24	100	LDR Biased	22.848	23.124	0.2766
25	100	LDR Biased	24.909	24.63	-0.2793
26	3	LDR Unbiased	22.608	22.873	0.2649
27	3	LDR Unbiased	20.81	21.105	0.2945
28	3	LDR Unbiased	21.989	21.872	-0.117
29	3	LDR Unbiased	21.438	21.318	-0.12
30	3	LDR Unbiased	23.157	23.193	0.0361
31	10	LDR Unbiased	22.47	22.59	0.1206
32	10	LDR Unbiased	23.228	23.373	0.1458
33	10	LDR Unbiased	21.518	21.575	0.0568
34	10	LDR Unbiased	23.098	23.087	-0.0111
35	10	LDR Unbiased	23.019	22.816	-0.2023
36	30	LDR Unbiased	22.332	22.858	0.526
37	30	LDR Unbiased	23.038	23.015	-0.0238
38	30	LDR Unbiased	23.204	23.081	-0.1236
39	30	LDR Unbiased	21.263	20.888	-0.3744
40	30	LDR Unbiased	22.379	22.662	0.2829
41	50	LDR Unbiased	23.503	23.497	-0.0056
42	50	LDR Unbiased	22.094	22.476	0.3824
43	50	LDR Unbiased	22.548	22.912	0.3644
44	50	LDR Unbiased	22.626	22.619	-0.0065
45	50	LDR Unbiased	21.888	21.742	-0.1459
46	100	LDR Unbiased	22.412	22.447	0.035
47	100	LDR Unbiased	22.789	23.133	0.3439
48	100	LDR Unbiased	24.302	24.27	-0.0313
49	100	LDR Unbiased	23.091	23.573	0.4823
50	100	LDR Unbiased	23.012	23.138	0.1261
60	0	Correlation	22.642	22.745	0.1034
61	0	Correlation	23.02	23.265	0.2452
62	0	Correlation	22.657	22.946	0.2888
63	0	Correlation	22.916	23.047	0.1309
64	0	Correlation	21.38	21.359	-0.0208
65	0	Correlation	23.147	23.08	-0.067

Test Statistics (S)

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	21.38	22.627	23.147	0.64251	21.359	22.74	23.265	0.69777	-0.067	0.11342	0.2888	0.14078
3	20.81	22.716	24.625	1.2	21.105	22.726	24.564	1.1809	-0.1361	0.00995	0.2945	0.1583
10	21.518	22.893	23.91	0.69397	21.575	22.842	23.959	0.68589	-0.3129	-0.05096	0.1458	0.16187
30	21.263	22.764	24.101	0.88043	20.888	22.891	24.156	0.96636	-0.3744	0.12716	0.526	0.27677
50	21.644	22.514	23.503	0.58439	21.742	22.615	23.555	0.61691	-0.2268	0.1013	0.3824	0.21452
100	22.412	23.234	24.909	0.80743	22.447	23.444	24.63	0.73691	-0.2793	0.21039	0.7514	0.28561

Device Test: 20.52 _GMPS|STATIC/SW/5////@EA_COMP_ISWITCH_GM_0P5V_13A





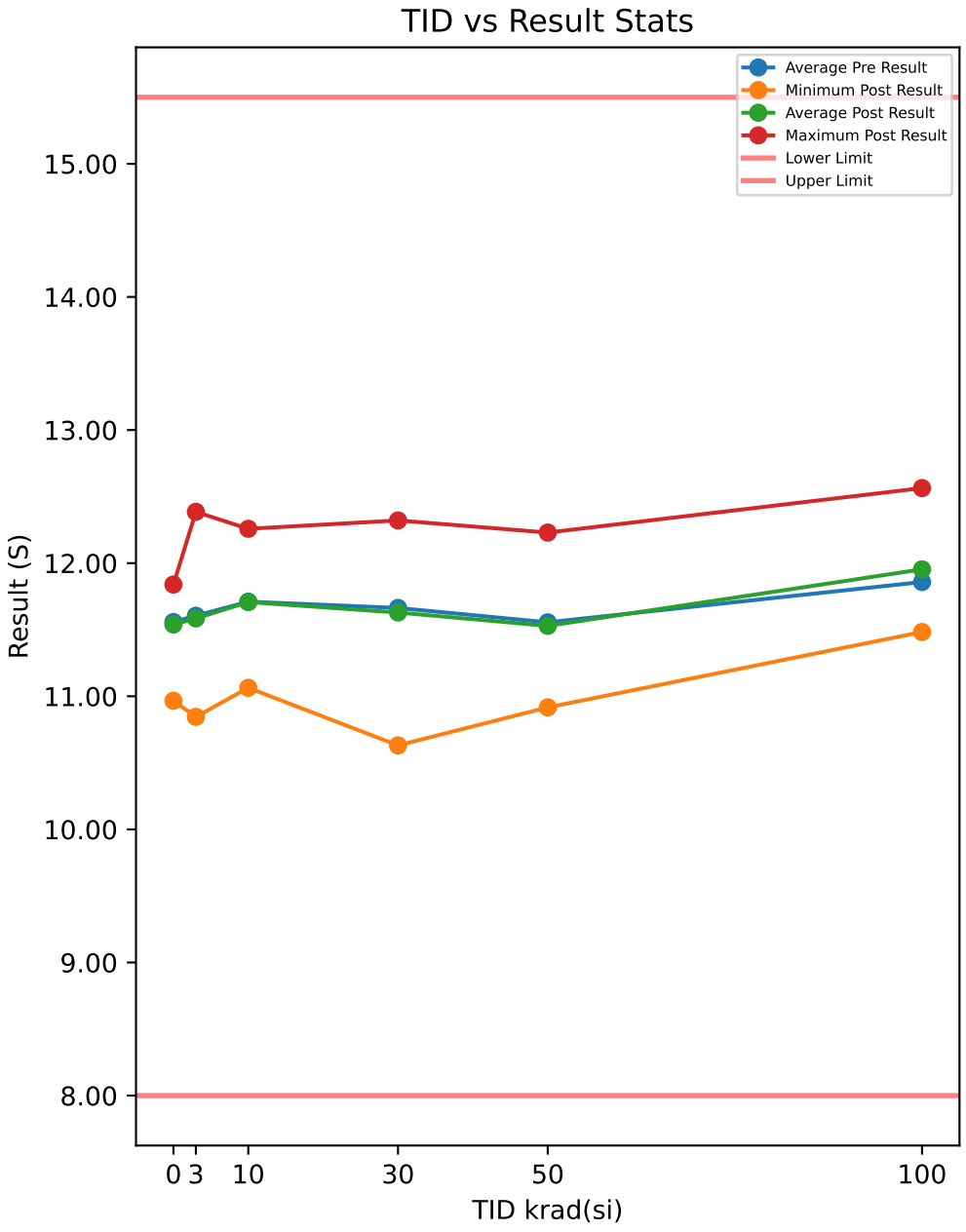
Test Results (Lower Limit = 12.8, Upper Limit = 20.6 (S))

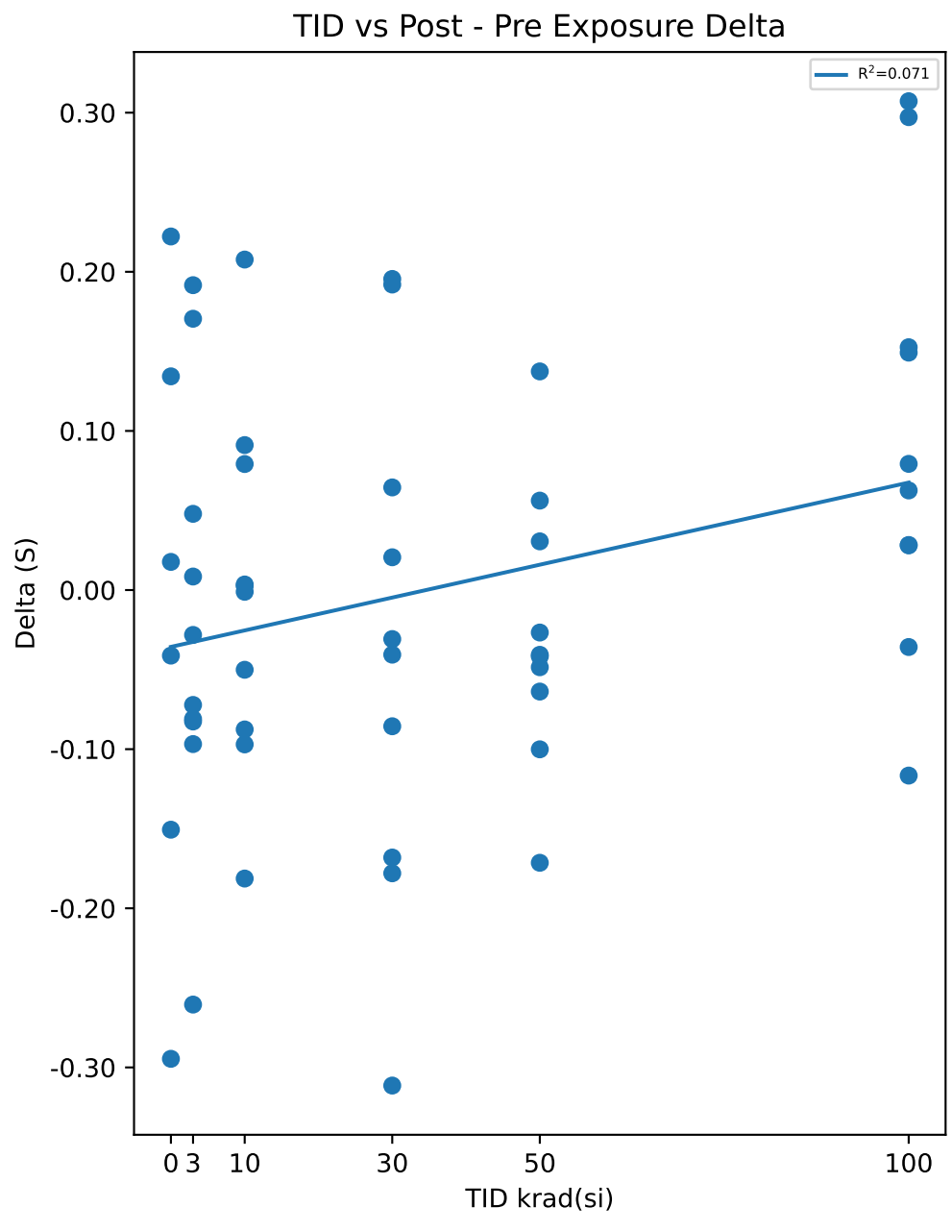
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	LDR Biased	16.376	16.456	0.0804
2	3	LDR Biased	15.631	15.683	0.0522
3	3	LDR Biased	17.68	17.488	-0.1918
4	3	LDR Biased	17.363	17.462	0.0994
5	3	LDR Biased	16.098	16.281	0.1827
6	10	LDR Biased	16.638	16.588	-0.0499
7	10	LDR Biased	16.648	16.621	-0.0265
8	10	LDR Biased	16.859	16.751	-0.108
9	10	LDR Biased	15.765	15.793	0.0286
10	10	LDR Biased	17.171	16.968	-0.2035
11	30	LDR Biased	15.882	16.063	0.1809
12	30	LDR Biased	17.203	17.126	-0.0765
13	30	LDR Biased	16.712	16.612	-0.0999
14	30	LDR Biased	17.343	17.265	-0.078
15	30	LDR Biased	15.963	16.006	0.0423
16	50	LDR Biased	16.197	16.233	0.0364
17	50	LDR Biased	16.158	16.211	0.0532
18	50	LDR Biased	16.168	16.059	-0.1089
19	50	LDR Biased	15.496	15.608	0.1118
20	50	LDR Biased	16.787	17.038	0.251
21	100	LDR Biased	16.505	16.439	-0.0655
22	100	LDR Biased	16.092	16.146	0.0539
23	100	LDR Biased	16.909	17.432	0.5226
24	100	LDR Biased	16.192	16.452	0.2591
25	100	LDR Biased	17.879	17.749	-0.1298
26	3	LDR Unbiased	16.245	16.329	0.0836
27	3	LDR Unbiased	15.387	15.203	-0.1839
28	3	LDR Unbiased	15.647	15.852	0.2043
29	3	LDR Unbiased	15.484	15.577	0.0931
30	3	LDR Unbiased	16.679	16.802	0.1229
31	10	LDR Unbiased	16.359	16.499	0.1399
32	10	LDR Unbiased	16.432	16.527	0.0947
33	10	LDR Unbiased	15.514	15.551	0.0371
34	10	LDR Unbiased	16.645	16.656	0.0107
35	10	LDR Unbiased	16.336	16.282	-0.0545
36	30	LDR Unbiased	16.094	16.289	0.195
37	30	LDR Unbiased	16.716	16.633	-0.0832
38	30	LDR Unbiased	16.658	16.478	-0.1803
39	30	LDR Unbiased	15.185	14.84	-0.3448
40	30	LDR Unbiased	16.256	16.539	0.2826
41	50	LDR Unbiased	16.786	16.745	-0.0413
42	50	LDR Unbiased	15.828	15.969	0.1416
43	50	LDR Unbiased	16.101	16.317	0.2156
44	50	LDR Unbiased	16.26	16.291	0.0307
45	50	LDR Unbiased	15.658	15.658	0.0004
46	100	LDR Unbiased	16.087	16.198	0.1114
47	100	LDR Unbiased	16.433	16.663	0.2301
48	100	LDR Unbiased	17.263	17.339	0.0768
49	100	LDR Unbiased	16.832	16.917	0.0846
50	100	LDR Unbiased	16.51	16.377	-0.1322
60	0	Correlation	15.926	16.032	0.1057
61	0	Correlation	16.597	16.613	0.0159
62	0	Correlation	16.423	16.494	0.0715
63	0	Correlation	16.527	16.73	0.2033
64	0	Correlation	15.444	15.439	-0.0049
65	0	Correlation	16.668	16.659	-0.0095

Test Statistics (S)

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	15.444	16.264	16.668	0.48063	15.439	16.328	16.73	0.50151	-0.0095	0.063667	0.2033	0.082051
3	15.387	16.259	17.68	0.78759	15.203	16.313	17.488	0.77066	-0.1918	0.05429	0.2043	0.13584
10	15.514	16.437	17.171	0.49061	15.551	16.424	16.968	0.43706	-0.2035	-0.01314	0.1399	0.099085
30	15.185	16.401	17.343	0.65363	14.84	16.385	17.265	0.67584	-0.3448	-0.01619	0.2826	0.19149
50	15.496	16.144	16.787	0.42173	15.608	16.213	17.038	0.43941	-0.1089	0.06905	0.251	0.11206
100	16.087	16.67	17.879	0.56842	16.146	16.771	17.749	0.5613	-0.1322	0.1011	0.5226	0.19943

Device Test: 20.53 _GMPS|STATIC/SW/5////@EA_COMP_ISWITCH_GM_9A





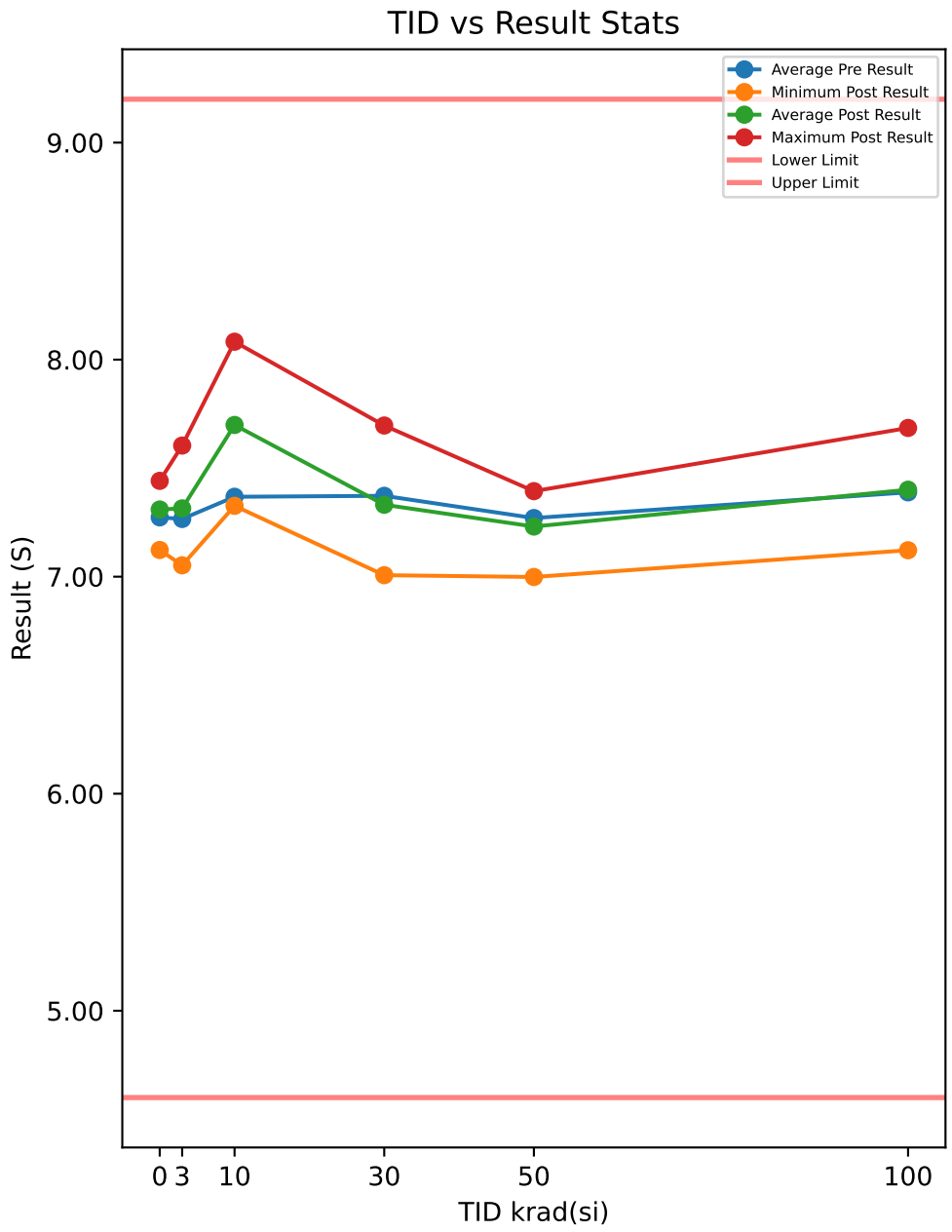
Test Results (Lower Limit = 8.0, Upper Limit = 15.5 (S))

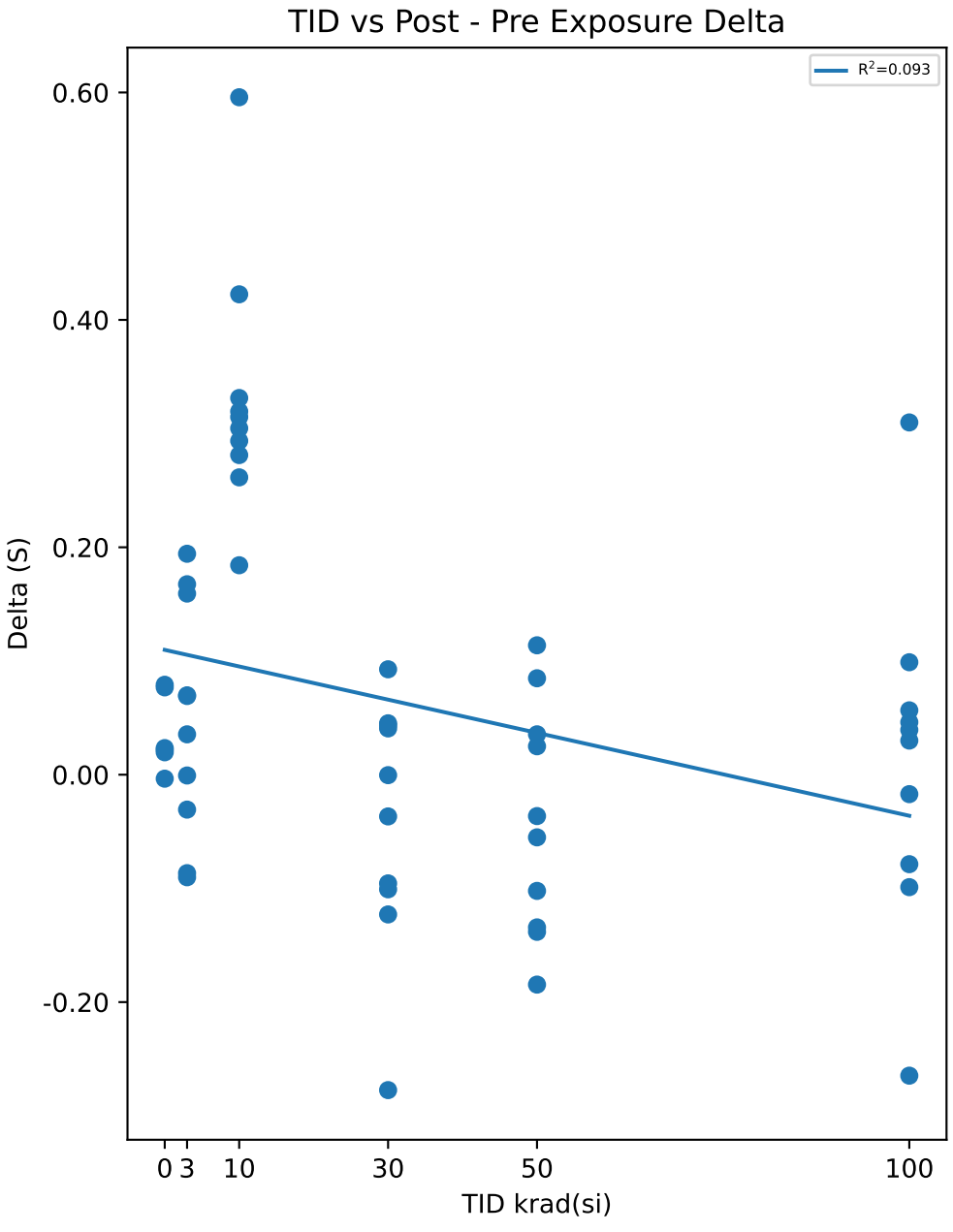
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	LDR Biased	11.821	11.56	-0.2605
2	3	LDR Biased	11.312	11.239	-0.0722
3	3	LDR Biased	12.468	12.385	-0.0826
4	3	LDR Biased	12.031	12.223	0.1916
5	3	LDR Biased	11.53	11.539	0.0085
6	10	LDR Biased	11.665	11.664	-0.0011
7	10	LDR Biased	11.815	11.894	0.0792
8	10	LDR Biased	12.036	11.948	-0.0876
9	10	LDR Biased	11.341	11.432	0.0911
10	10	LDR Biased	12.255	12.258	0.0035
11	30	LDR Biased	11.345	11.166	-0.178
12	30	LDR Biased	12.352	12.267	-0.0856
13	30	LDR Biased	11.839	11.528	-0.3114
14	30	LDR Biased	12.361	12.321	-0.0406
15	30	LDR Biased	11.322	11.343	0.0206
16	50	LDR Biased	11.594	11.545	-0.0485
17	50	LDR Biased	11.492	11.523	0.0306
18	50	LDR Biased	11.538	11.498	-0.0407
19	50	LDR Biased	11.223	11.159	-0.0638
20	50	LDR Biased	12.174	12.23	0.0562
21	100	LDR Biased	11.723	11.786	0.0626
22	100	LDR Biased	11.519	11.483	-0.0358
23	100	LDR Biased	12.255	12.407	0.1526
24	100	LDR Biased	11.669	11.748	0.0793
25	100	LDR Biased	12.536	12.564	0.0281
26	3	LDR Unbiased	11.592	11.639	0.0479
27	3	LDR Unbiased	10.873	10.845	-0.0282
28	3	LDR Unbiased	11.389	11.292	-0.0968
29	3	LDR Unbiased	11.033	11.203	0.1705
30	3	LDR Unbiased	12.002	11.921	-0.081
31	10	LDR Unbiased	11.858	11.86	0.0026
32	10	LDR Unbiased	11.735	11.638	-0.097
33	10	LDR Unbiased	11.114	11.064	-0.0501
34	10	LDR Unbiased	11.779	11.598	-0.1813
35	10	LDR Unbiased	11.51	11.718	0.2077
36	30	LDR Unbiased	11.217	11.409	0.192
37	30	LDR Unbiased	11.907	11.972	0.0645
38	30	LDR Unbiased	11.867	11.836	-0.0308
39	30	LDR Unbiased	10.799	10.631	-0.1681
40	30	LDR Unbiased	11.624	11.819	0.1955
41	50	LDR Unbiased	12.183	12.083	-0.1001
42	50	LDR Unbiased	11.388	11.346	-0.0417
43	50	LDR Unbiased	11.203	11.341	0.1374
44	50	LDR Unbiased	11.673	11.646	-0.0267
45	50	LDR Unbiased	11.088	10.916	-0.1714
46	100	LDR Unbiased	11.541	11.691	0.1492
47	100	LDR Unbiased	11.627	11.655	0.0283
48	100	LDR Unbiased	12.48	12.363	-0.1166
49	100	LDR Unbiased	11.75	12.057	0.3072
50	100	LDR Unbiased	11.484	11.781	0.2972
60	0	Correlation	11.437	11.395	-0.0412
61	0	Correlation	11.822	11.839	0.0177
62	0	Correlation	11.513	11.735	0.2222
63	0	Correlation	11.699	11.833	0.1343
64	0	Correlation	11.117	10.966	-0.1506
65	0	Correlation	11.761	11.466	-0.2946

Test Statistics (S)

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	11.117	11.558	11.822	0.26143	10.966	11.539	11.839	0.33728	-0.2946	-0.0187	0.2222	0.18804
3	10.873	11.605	12.468	0.48673	10.845	11.585	12.385	0.47895	-0.2605	-0.02028	0.1916	0.13361
10	11.114	11.711	12.255	0.32901	11.064	11.707	12.258	0.32114	-0.1813	-0.0033	0.2077	0.1106
30	10.799	11.663	12.361	0.50113	10.631	11.629	12.321	0.51993	-0.3114	-0.03419	0.1955	0.16153
50	11.088	11.556	12.183	0.37671	10.916	11.529	12.23	0.3936	-0.1714	-0.02687	0.1374	0.085429
100	11.484	11.858	12.536	0.40522	11.483	11.954	12.564	0.37068	-0.1166	0.09521	0.3072	0.1351

Device Test: 20.54 _GMPS|STATIC/SW/5////@EA_COMP_ISWITCH_GM_6A





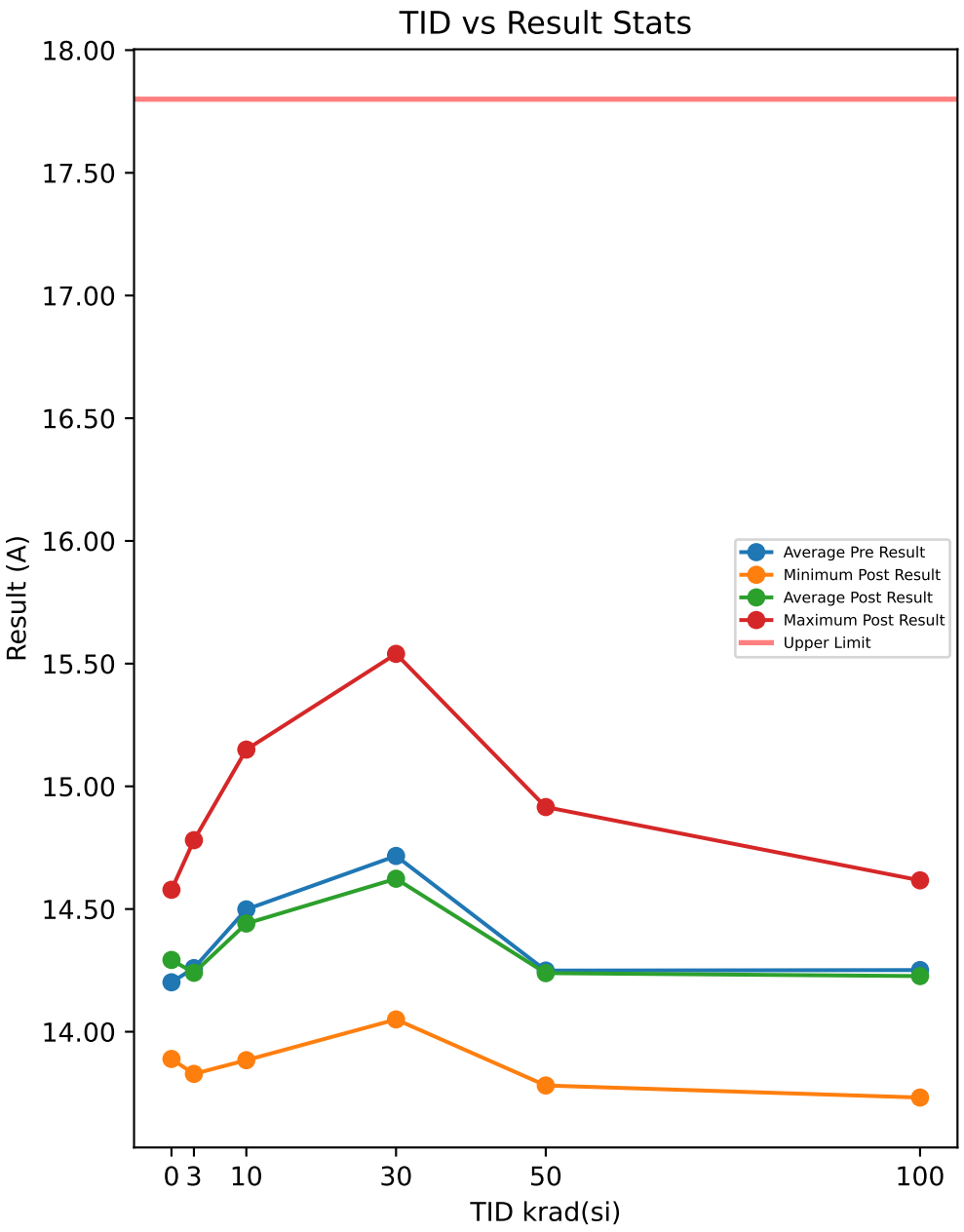
Test Results (Lower Limit = 4.6, Upper Limit = 9.2 (S))

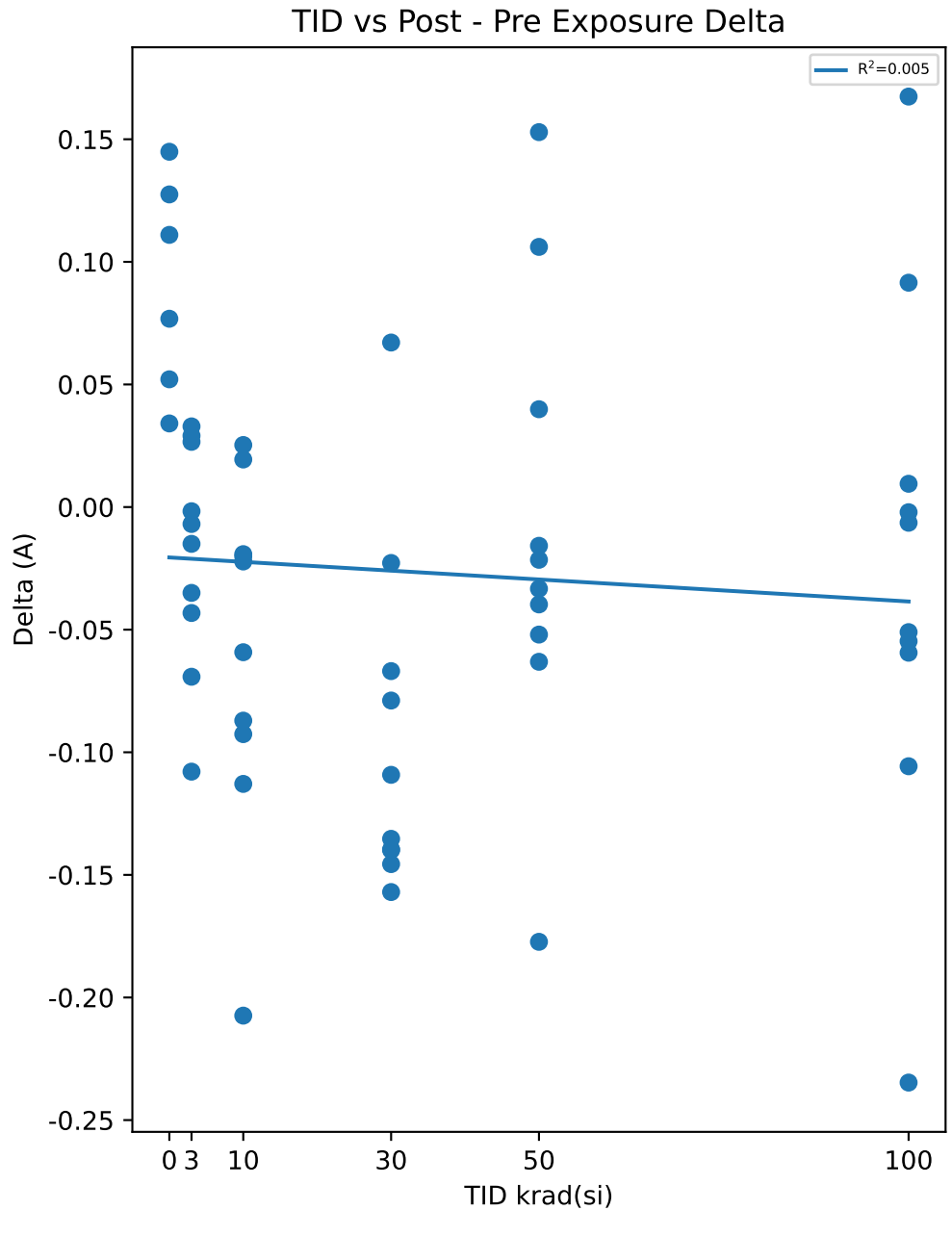
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	LDR Biased	7.0954	7.2897	0.1943
2	3	LDR Biased	7.1949	7.1047	-0.0902
3	3	LDR Biased	7.5055	7.5753	0.0698
4	3	LDR Biased	7.4367	7.6042	0.1675
5	3	LDR Biased	7.3596	7.3289	-0.0307
6	10	LDR Biased	7.4403	7.7214	0.2811
7	10	LDR Biased	7.3931	7.8156	0.4225
8	10	LDR Biased	7.5175	7.8222	0.3047
9	10	LDR Biased	7.2625	7.5938	0.3313
10	10	LDR Biased	7.4868	8.0826	0.5958
11	30	LDR Biased	7.163	7.0674	-0.0956
12	30	LDR Biased	7.6558	7.6965	0.0407
13	30	LDR Biased	7.461	7.4606	-0.0004
14	30	LDR Biased	7.5153	7.3924	-0.1229
15	30	LDR Biased	7.234	7.2775	0.0435
16	50	LDR Biased	7.3849	7.2467	-0.1382
17	50	LDR Biased	7.4543	7.32	-0.1343
18	50	LDR Biased	7.2486	7.1935	-0.0551
19	50	LDR Biased	7.0225	7.1363	0.1138
20	50	LDR Biased	7.3691	7.3941	0.025
21	100	LDR Biased	7.3697	7.4159	0.0462
22	100	LDR Biased	7.3394	7.3694	0.03
23	100	LDR Biased	7.5864	7.6853	0.0989
24	100	LDR Biased	7.2207	7.1218	-0.0989
25	100	LDR Biased	7.5777	7.5606	-0.0171
26	3	LDR Unbiased	7.1351	7.2944	0.1593
27	3	LDR Unbiased	6.9832	7.0524	0.0692
28	3	LDR Unbiased	7.3384	7.2518	-0.0866
29	3	LDR Unbiased	7.144	7.1795	0.0355
30	3	LDR Unbiased	7.4659	7.4652	-0.0007
31	10	LDR Unbiased	7.3784	7.693	0.3146
32	10	LDR Unbiased	7.4032	7.7227	0.3195
33	10	LDR Unbiased	7.0649	7.3264	0.2615
34	10	LDR Unbiased	7.3227	7.6163	0.2936
35	10	LDR Unbiased	7.4124	7.5966	0.1842
36	30	LDR Unbiased	7.1658	7.1291	-0.0367
37	30	LDR Unbiased	7.505	7.5502	0.0452
38	30	LDR Unbiased	7.3546	7.4473	0.0927
39	30	LDR Unbiased	7.1077	7.0069	-0.1008
40	30	LDR Unbiased	7.5633	7.2859	-0.2774
41	50	LDR Unbiased	7.3299	7.3654	0.0355
42	50	LDR Unbiased	7.1883	7.2731	0.0848
43	50	LDR Unbiased	7.1492	7.047	-0.1022
44	50	LDR Unbiased	7.5203	7.3357	-0.1846
45	50	LDR Unbiased	7.035	6.9986	-0.0364
46	100	LDR Unbiased	7.4065	7.1418	-0.2647
47	100	LDR Unbiased	7.2315	7.1528	-0.0787
48	100	LDR Unbiased	7.5137	7.5531	0.0394
49	100	LDR Unbiased	7.4078	7.4644	0.0566
50	100	LDR Unbiased	7.2322	7.542	0.3098
60	0	Correlation	7.2645	7.261	-0.0035
61	0	Correlation	7.3624	7.4415	0.0791
62	0	Correlation	7.3906	7.4103	0.0197
63	0	Correlation	7.4157	7.4376	0.0219
64	0	Correlation	7.0462	7.123	0.0768
65	0	Correlation	7.1603	7.1837	0.0234

Test Statistics (S)

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	7.0462	7.2733	7.4157	0.14587	7.123	7.3095	7.4415	0.13925	-0.0035	0.036233	0.0791	0.03378
3	6.9832	7.2659	7.5055	0.17845	7.0524	7.3146	7.6042	0.18582	-0.0902	0.04874	0.1943	0.1027
10	7.0649	7.3682	7.5175	0.1294	7.3264	7.6991	8.0826	0.19557	0.1842	0.33088	0.5958	0.11048
30	7.1077	7.3725	7.6558	0.19399	7.0069	7.3314	7.6965	0.22008	-0.2774	-0.04117	0.0927	0.11052
50	7.0225	7.2702	7.5203	0.17044	6.9986	7.231	7.3941	0.13491	-0.1846	-0.03917	0.1138	0.10149
100	7.2207	7.3886	7.5864	0.13797	7.1218	7.4007	7.6853	0.20036	-0.2647	0.01215	0.3098	0.14848

Device Test: 20.6 _THRESHOLD|RISE/SW/4.5////@HIGHSIDE_CURR_LIM_13A





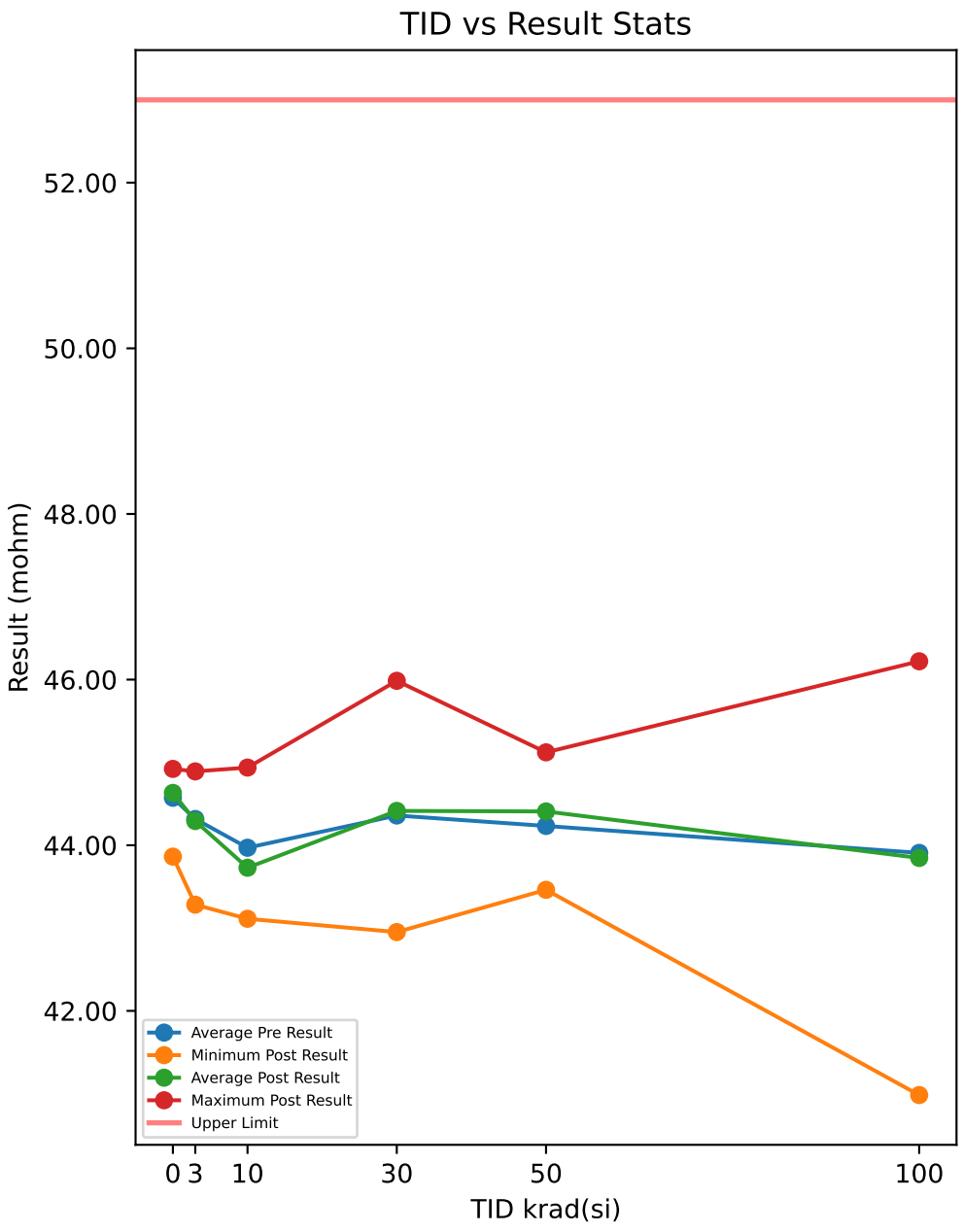
Test Results (Upper Limit = 17.8 (A))

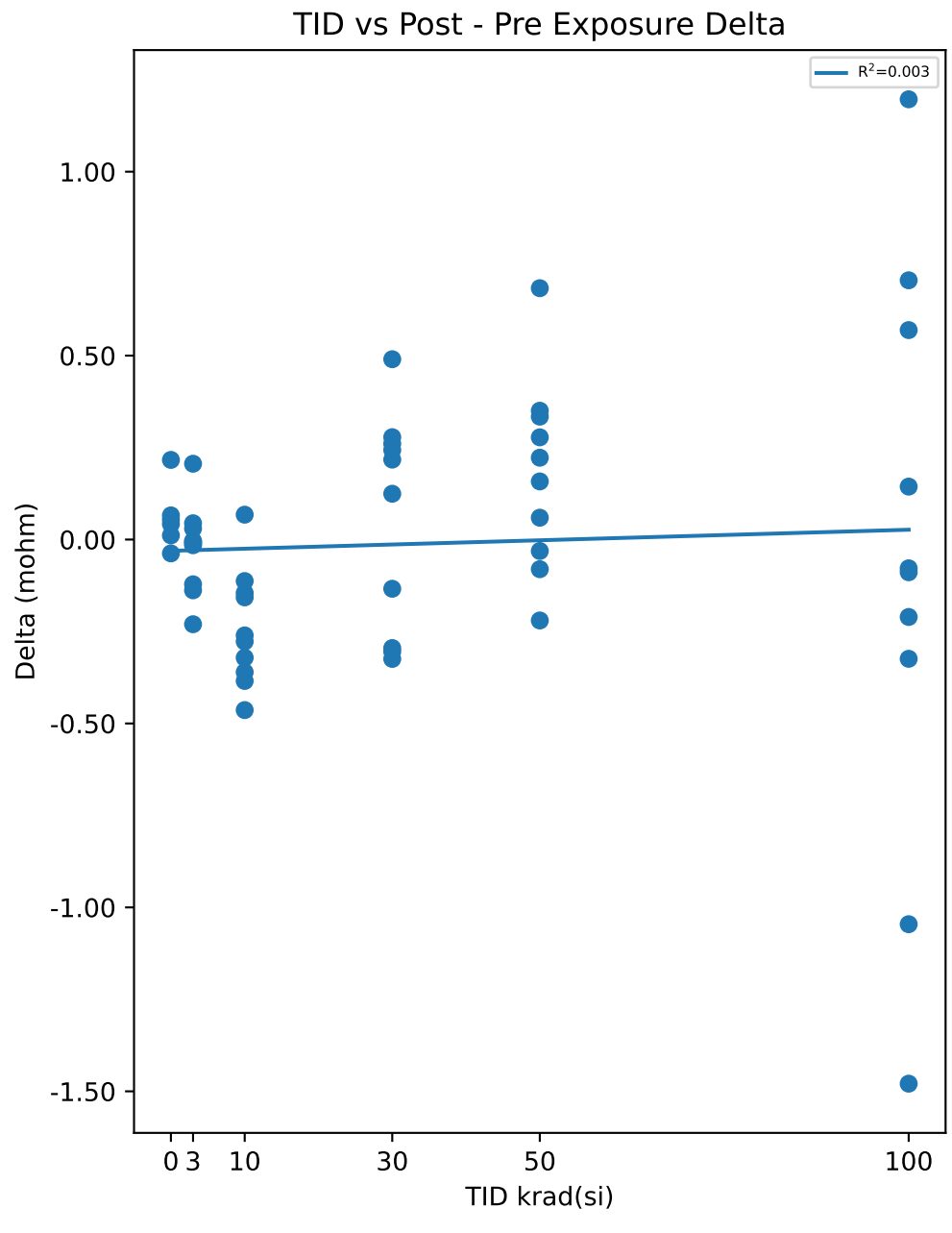
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	LDR Biased	13.992	13.948	-0.0432
2	3	LDR Biased	14.604	14.496	-0.1079
3	3	LDR Biased	13.997	13.995	-0.0017
4	3	LDR Biased	14.308	14.335	0.0266
5	3	LDR Biased	14.787	14.78	-0.0069
6	10	LDR Biased	14.581	14.468	-0.1129
7	10	LDR Biased	14.922	14.9	-0.0222
8	10	LDR Biased	14.195	13.988	-0.2074
9	10	LDR Biased	14.073	13.986	-0.0871
10	10	LDR Biased	14.682	14.59	-0.0926
11	30	LDR Biased	14.19	14.05	-0.1399
12	30	LDR Biased	14.249	14.182	-0.0669
13	30	LDR Biased	14.822	14.665	-0.157
14	30	LDR Biased	14.372	14.232	-0.1396
15	30	LDR Biased	15.685	15.54	-0.1456
16	50	LDR Biased	14.61	14.433	-0.1773
17	50	LDR Biased	14.534	14.495	-0.0397
18	50	LDR Biased	14.283	14.262	-0.0215
19	50	LDR Biased	13.929	13.877	-0.052
20	50	LDR Biased	14.099	14.139	0.0399
21	100	LDR Biased	14.286	14.235	-0.051
22	100	LDR Biased	14.852	14.617	-0.2347
23	100	LDR Biased	14.409	14.354	-0.0547
24	100	LDR Biased	13.738	13.732	-0.0064
25	100	LDR Biased	14.106	14	-0.1057
26	3	LDR Unbiased	14.298	14.331	0.0329
27	3	LDR Unbiased	14.35	14.28	-0.0692
28	3	LDR Unbiased	14.391	14.356	-0.035
29	3	LDR Unbiased	13.799	13.828	0.0291
30	3	LDR Unbiased	14.067	14.052	-0.015
31	10	LDR Unbiased	14.295	14.32	0.0253
32	10	LDR Unbiased	15.017	14.958	-0.0592
33	10	LDR Unbiased	14.147	14.166	0.0194
34	10	LDR Unbiased	13.903	13.884	-0.0192
35	10	LDR Unbiased	15.17	15.15	-0.0201
36	30	LDR Unbiased	14.802	14.869	0.0671
37	30	LDR Unbiased	14.777	14.698	-0.0789
38	30	LDR Unbiased	14.523	14.388	-0.1353
39	30	LDR Unbiased	15.098	14.989	-0.1092
40	30	LDR Unbiased	14.645	14.622	-0.0228
41	50	LDR Unbiased	13.675	13.781	0.1061
42	50	LDR Unbiased	14.248	14.401	0.1529
43	50	LDR Unbiased	13.949	13.915	-0.0333
44	50	LDR Unbiased	14.931	14.915	-0.0158
45	50	LDR Unbiased	14.234	14.171	-0.0631
46	100	LDR Unbiased	13.957	13.897	-0.0594
47	100	LDR Unbiased	14.145	14.154	0.0095
48	100	LDR Unbiased	14.379	14.47	0.0915
49	100	LDR Unbiased	14.409	14.407	-0.0021
50	100	LDR Unbiased	14.233	14.401	0.1674
60	0	Correlation	14.252	14.329	0.0768
61	0	Correlation	14.265	14.41	0.1449
62	0	Correlation	14.451	14.578	0.1275
63	0	Correlation	14.386	14.497	0.111
64	0	Correlation	14	14.052	0.0521
65	0	Correlation	13.855	13.889	0.0341

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	13.855	14.201	14.451	0.22969	13.889	14.293	14.578	0.26817	0.0341	0.091067	0.1449	0.043795
3	13.799	14.259	14.787	0.30116	13.828	14.24	14.78	0.28674	-0.1079	-0.01903	0.0329	0.04572
10	13.903	14.499	15.17	0.43876	13.884	14.441	15.15	0.44922	-0.2074	-0.0576	0.0253	0.070341
30	14.19	14.716	15.685	0.44266	14.05	14.624	15.54	0.44382	-0.157	-0.09281	0.0671	0.070495
50	13.675	14.249	14.931	0.36872	13.781	14.239	14.915	0.34119	-0.1773	-0.01038	0.1529	0.092297
100	13.738	14.251	14.852	0.30009	13.732	14.227	14.617	0.27902	-0.2347	-0.02456	0.1674	0.10846

Device Test: 20.68 _LEVEL|HIGHSIDE/SW/12/2///@R_HIGHSIDE_12V_25C





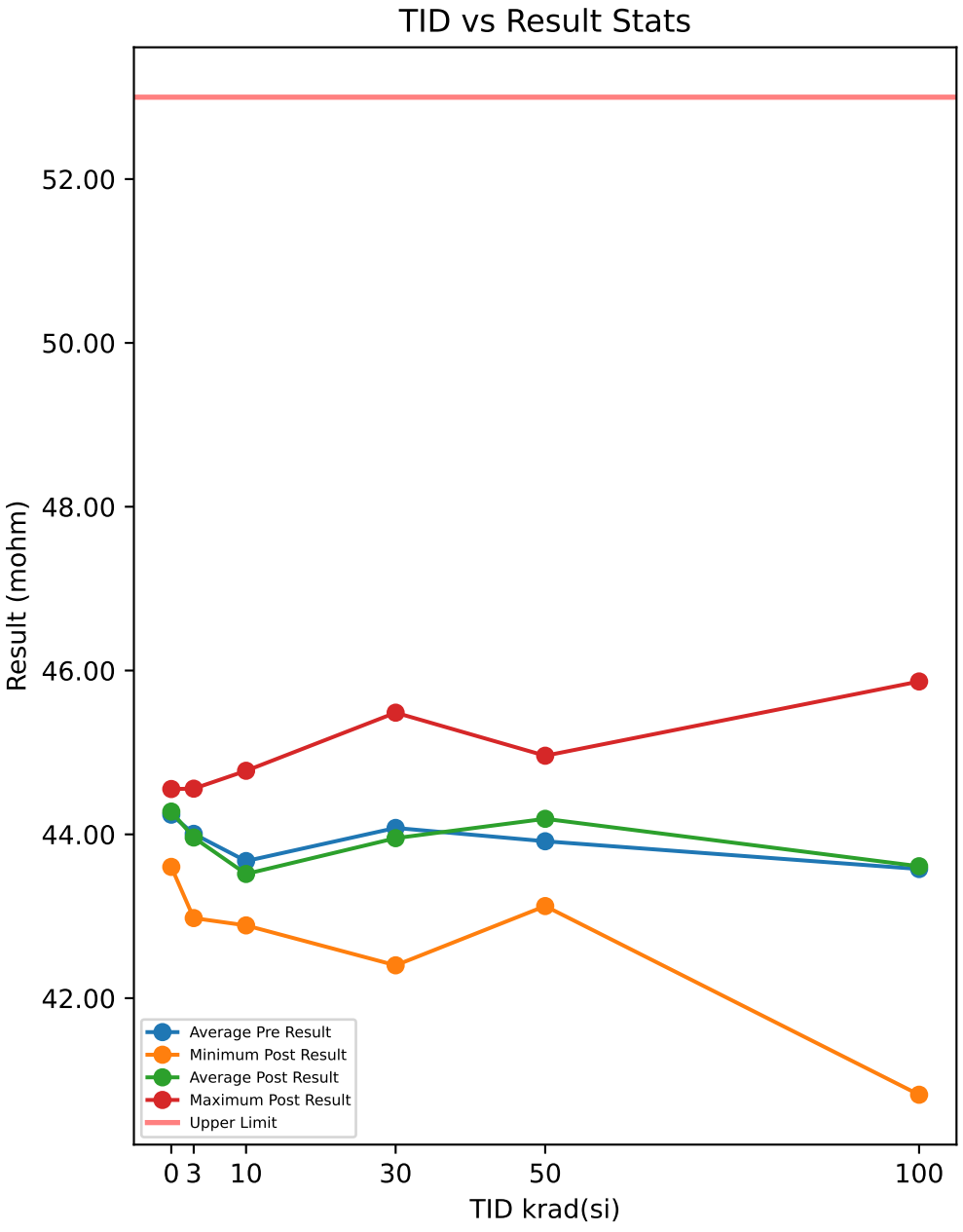
Test Results (Upper Limit = 53.0 (mohm))

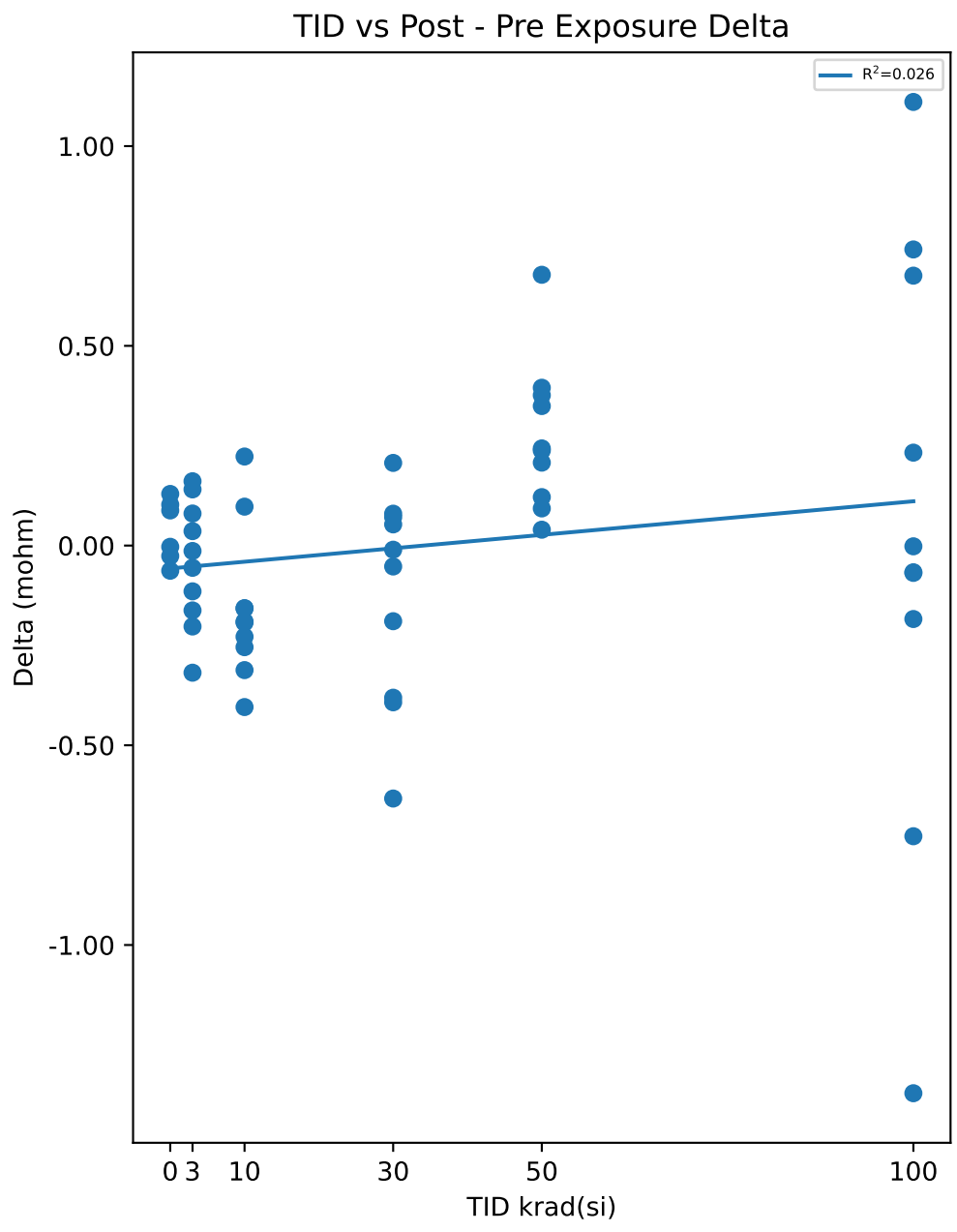
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	LDR Biased	44.377	44.239	-0.138
2	3	LDR Biased	44.74	44.509	-0.2302
3	3	LDR Biased	43.889	43.768	-0.1216
4	3	LDR Biased	43.298	43.282	-0.0155
5	3	LDR Biased	44.434	44.64	0.2061
6	10	LDR Biased	43.445	43.288	-0.1572
7	10	LDR Biased	43.829	43.469	-0.3605
8	10	LDR Biased	44.308	43.844	-0.4636
9	10	LDR Biased	43.257	43.112	-0.1453
10	10	LDR Biased	43.765	43.38	-0.3844
11	30	LDR Biased	44.864	44.569	-0.295
12	30	LDR Biased	43.276	42.952	-0.3245
13	30	LDR Biased	44.334	44.2	-0.1338
14	30	LDR Biased	44.156	44.28	0.1245
15	30	LDR Biased	45.707	45.985	0.2783
16	50	LDR Biased	44.41	45.094	0.6833
17	50	LDR Biased	44.243	44.023	-0.22
18	50	LDR Biased	44.899	45.122	0.2225
19	50	LDR Biased	44.146	44.497	0.3502
20	50	LDR Biased	44.49	44.549	0.0594
21	100	LDR Biased	43.742	43.654	-0.0889
22	100	LDR Biased	44.314	43.268	-1.0457
23	100	LDR Biased	43.734	44.303	0.5694
24	100	LDR Biased	43.744	43.665	-0.0782
25	100	LDR Biased	42.91	42.7	-0.2105
26	3	LDR Unbiased	44.728	44.722	-0.006
27	3	LDR Unbiased	44.326	44.355	0.0299
28	3	LDR Unbiased	44.847	44.892	0.0443
29	3	LDR Unbiased	44.848	44.837	-0.011
30	3	LDR Unbiased	43.683	43.679	-0.0037
31	10	LDR Unbiased	43.554	43.277	-0.2771
32	10	LDR Unbiased	44.883	44.622	-0.2606
33	10	LDR Unbiased	43.586	43.264	-0.3212
34	10	LDR Unbiased	44.202	44.089	-0.1128
35	10	LDR Unbiased	44.87	44.938	0.0676
36	30	LDR Unbiased	44.335	44.03	-0.3047
37	30	LDR Unbiased	43.796	44.013	0.2173
38	30	LDR Unbiased	43.233	43.493	0.2605
39	30	LDR Unbiased	45.461	45.951	0.4902
40	30	LDR Unbiased	44.431	44.674	0.2432
41	50	LDR Unbiased	43.128	43.462	0.3341
42	50	LDR Unbiased	43.881	44.039	0.158
43	50	LDR Unbiased	44.091	44.01	-0.0806
44	50	LDR Unbiased	44.74	44.709	-0.0311
45	50	LDR Unbiased	44.299	44.577	0.2779
46	100	LDR Unbiased	44.047	44.191	0.1439
47	100	LDR Unbiased	44.729	44.405	-0.3242
48	100	LDR Unbiased	42.463	40.983	-1.4792
49	100	LDR Unbiased	45.024	46.221	1.1968
50	100	LDR Unbiased	44.37	45.074	0.7048
60	0	Correlation	44.867	44.922	0.0542
61	0	Correlation	44.707	44.718	0.0114
62	0	Correlation	43.797	43.862	0.0657
63	0	Correlation	44.771	44.734	-0.0376
64	0	Correlation	44.848	44.891	0.0422
65	0	Correlation	44.449	44.665	0.2165

Test Statistics (mohm)

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	43.797	44.573	44.867	0.40939	43.862	44.632	44.922	0.39039	-0.0376	0.058733	0.2165	0.085736
3	43.298	44.317	44.848	0.53241	43.282	44.292	44.892	0.5463	-0.2302	-0.02457	0.2061	0.11857
10	43.257	43.97	44.883	0.57515	43.112	43.728	44.938	0.63123	-0.4636	-0.24151	0.0676	0.15648
30	43.233	44.359	45.707	0.82275	42.952	44.415	45.985	0.95925	-0.3245	0.0556	0.4902	0.29432
50	43.128	44.233	44.899	0.49177	43.462	44.408	45.122	0.52331	-0.22	0.17537	0.6833	0.25921
100	42.463	43.908	45.024	0.78079	40.983	43.846	46.221	1.4025	-1.4792	-0.06118	1.1968	0.79453

Device Test: 20.69 _LEVEL|HIGHSIDE/SW/12/12///@R_HIGHSIDE_12V_25C





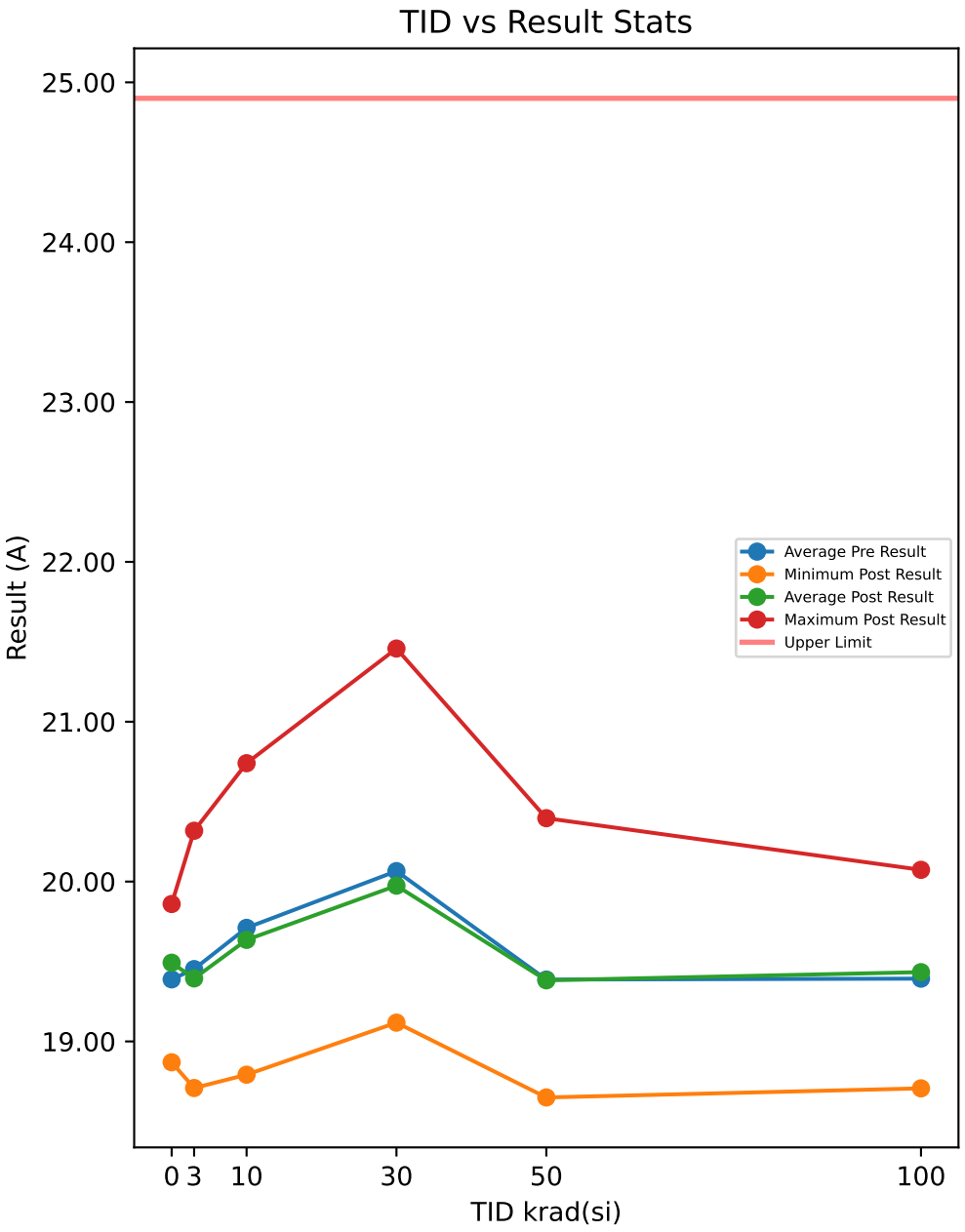
Test Results (Upper Limit = 53.0 (mohm))

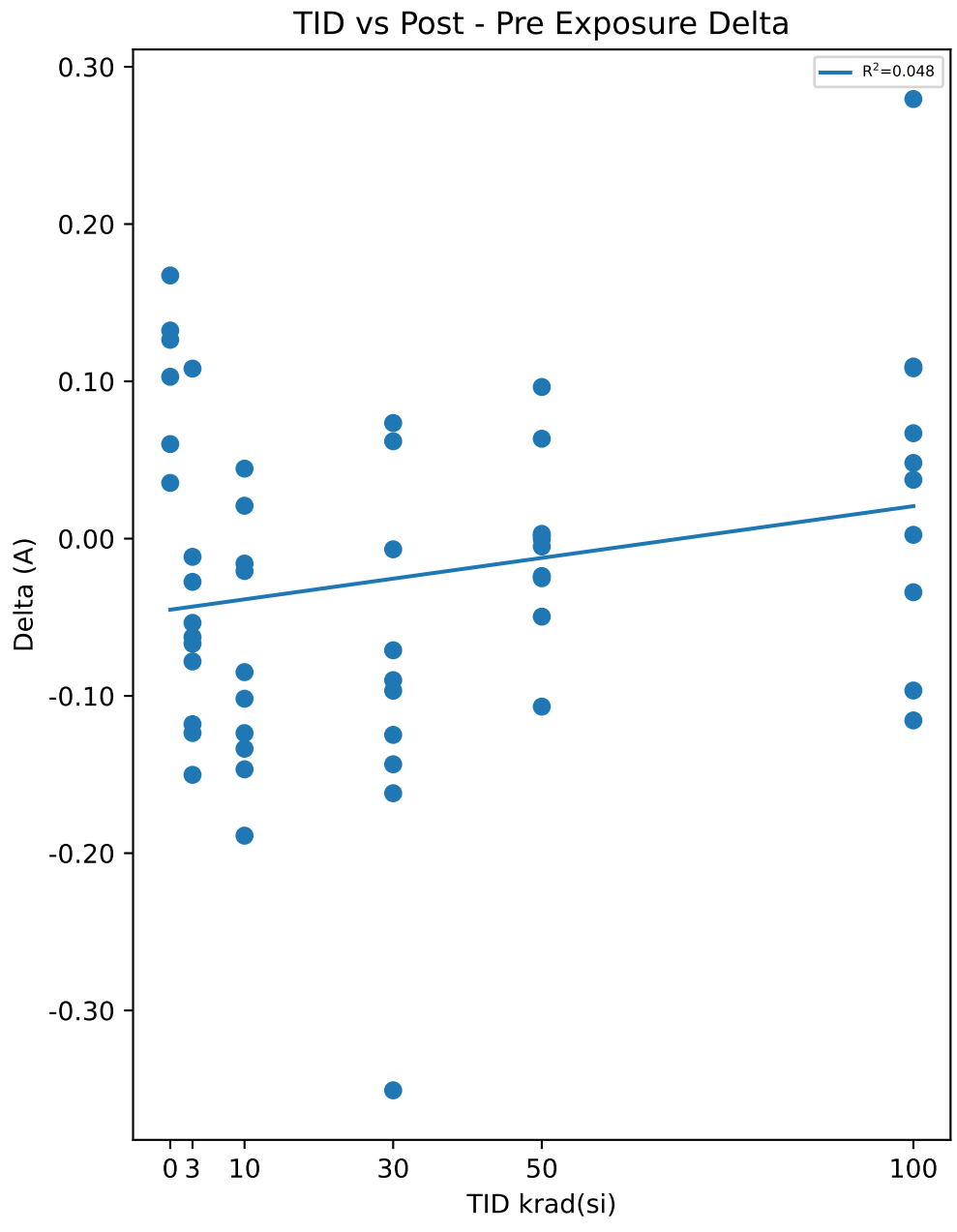
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	LDR Biased	44.176	43.858	-0.3183
2	3	LDR Biased	44.373	44.211	-0.1624
3	3	LDR Biased	43.665	43.463	-0.2026
4	3	LDR Biased	43.093	42.978	-0.1146
5	3	LDR Biased	44.157	44.297	0.1406
6	10	LDR Biased	43.179	43.022	-0.1575
7	10	LDR Biased	43.598	43.194	-0.4043
8	10	LDR Biased	43.954	43.642	-0.3118
9	10	LDR Biased	43.045	42.889	-0.1567
10	10	LDR Biased	43.436	43.207	-0.2282
11	30	LDR Biased	44.501	44.108	-0.3924
12	30	LDR Biased	43.034	42.401	-0.6333
13	30	LDR Biased	44.008	43.818	-0.1894
14	30	LDR Biased	43.818	43.807	-0.0104
15	30	LDR Biased	45.431	45.484	0.053
16	50	LDR Biased	44.159	44.837	0.6779
17	50	LDR Biased	43.858	43.898	0.0397
18	50	LDR Biased	44.717	44.96	0.2432
19	50	LDR Biased	43.83	44.179	0.3493
20	50	LDR Biased	44.197	44.29	0.093
21	100	LDR Biased	43.379	43.312	-0.0669
22	100	LDR Biased	43.916	43.188	-0.7277
23	100	LDR Biased	43.322	43.998	0.6757
24	100	LDR Biased	43.366	43.364	-0.0019
25	100	LDR Biased	42.601	42.533	-0.0684
26	3	LDR Unbiased	44.394	44.338	-0.0557
27	3	LDR Unbiased	44.01	44.09	0.0802
28	3	LDR Unbiased	44.397	44.558	0.161
29	3	LDR Unbiased	44.468	44.504	0.0361
30	3	LDR Unbiased	43.331	43.317	-0.0136
31	10	LDR Unbiased	43.226	43.033	-0.1927
32	10	LDR Unbiased	44.629	44.374	-0.2544
33	10	LDR Unbiased	43.292	43.102	-0.1901
34	10	LDR Unbiased	43.829	43.926	0.0974
35	10	LDR Unbiased	44.553	44.776	0.2229
36	30	LDR Unbiased	44.054	43.673	-0.3809
37	30	LDR Unbiased	43.513	43.46	-0.0524
38	30	LDR Unbiased	42.93	43.01	0.0798
39	30	LDR Unbiased	45.279	45.486	0.2069
40	30	LDR Unbiased	44.217	44.288	0.0711
41	50	LDR Unbiased	42.729	43.124	0.3951
42	50	LDR Unbiased	43.64	43.878	0.2379
43	50	LDR Unbiased	43.804	43.926	0.1213
44	50	LDR Unbiased	44.356	44.564	0.2076
45	50	LDR Unbiased	43.865	44.242	0.3763
46	100	LDR Unbiased	43.767	43.999	0.2326
47	100	LDR Unbiased	44.354	44.17	-0.1839
48	100	LDR Unbiased	42.192	40.821	-1.3711
49	100	LDR Unbiased	44.756	45.867	1.1106
50	100	LDR Unbiased	44.116	44.858	0.7413
60	0	Correlation	44.448	44.536	0.0879
61	0	Correlation	44.353	44.29	-0.063
62	0	Correlation	43.606	43.603	-0.0031
63	0	Correlation	44.396	44.369	-0.0262
64	0	Correlation	44.451	44.554	0.1024
65	0	Correlation	44.188	44.317	0.1292

Test Statistics (mohm)

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	43.606	44.24	44.451	0.32547	43.603	44.278	44.554	0.34879	-0.063	0.037867	0.1292	0.078698
3	43.093	44.006	44.468	0.48414	42.978	43.961	44.558	0.54008	-0.3183	-0.04493	0.161	0.15578
10	43.045	43.674	44.629	0.56142	42.889	43.517	44.776	0.64557	-0.4043	-0.15754	0.2229	0.18592
30	42.93	44.078	45.431	0.83464	42.401	43.954	45.486	0.97109	-0.6333	-0.1248	0.2069	0.2667
50	42.729	43.916	44.717	0.52524	43.124	44.19	44.96	0.53243	0.0397	0.27413	0.6779	0.18606
100	42.192	43.577	44.756	0.77837	40.821	43.611	45.867	1.3552	-1.3711	0.03403	1.1106	0.7253

Device Test: 20.7 _THRESHOLD|RISE/SW/4.5////@HIGHSIDE_CURR_LIM_19A





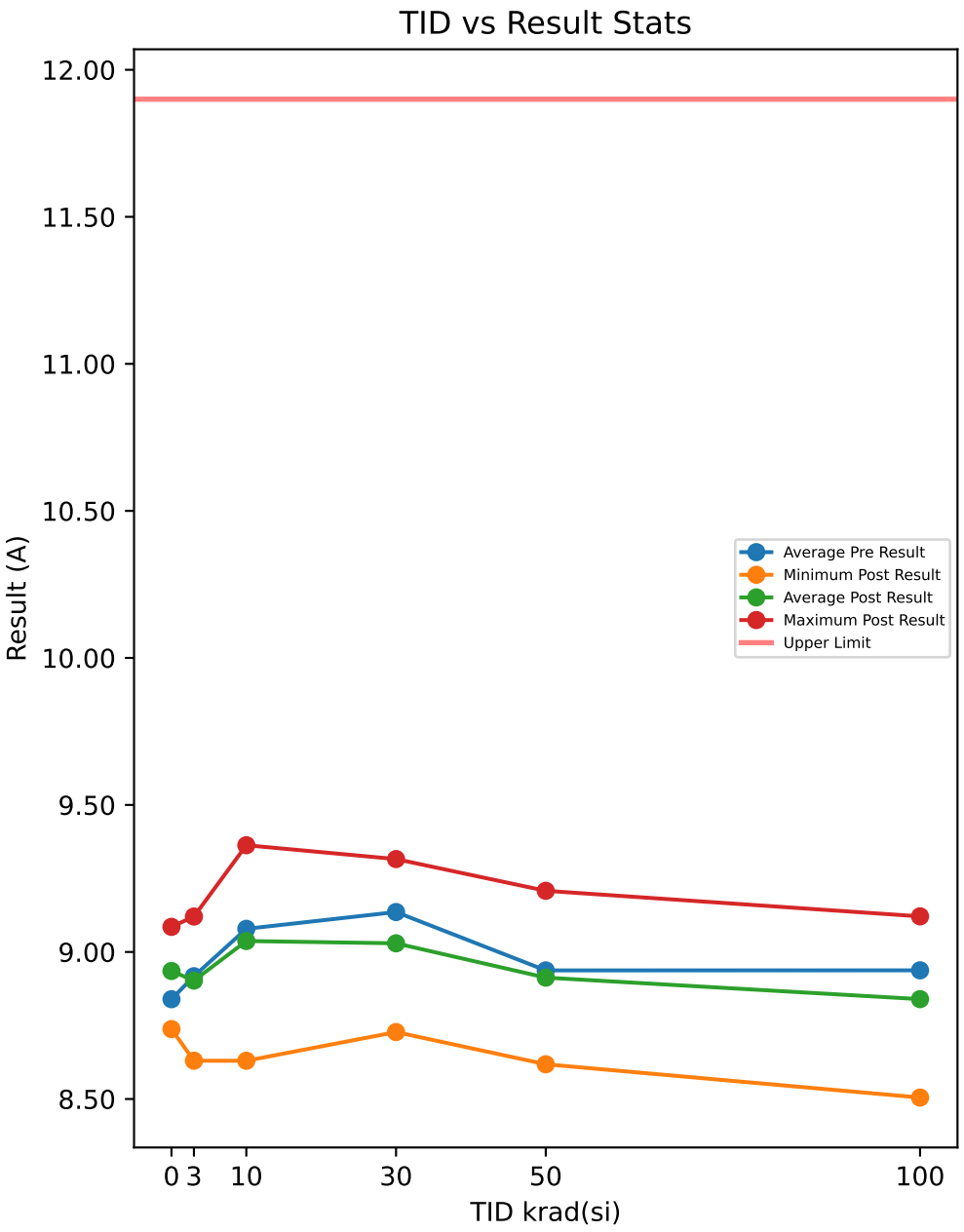
Test Results (Upper Limit = 24.9 (A))

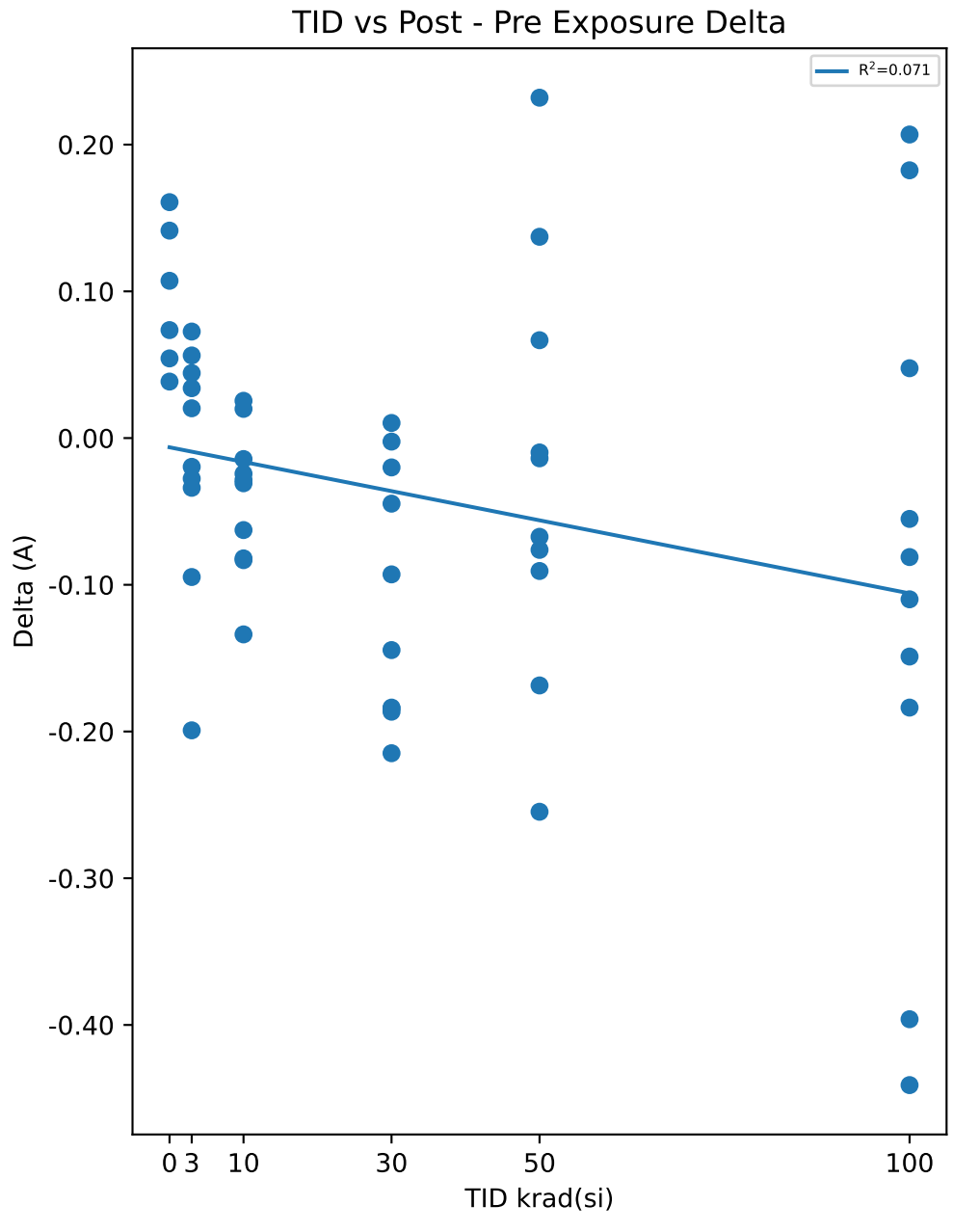
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	LDR Biased	19.125	19.072	-0.0536
2	3	LDR Biased	19.982	19.858	-0.1236
3	3	LDR Biased	19.003	18.936	-0.0668
4	3	LDR Biased	19.464	19.572	0.1081
5	3	LDR Biased	20.345	20.318	-0.0275
6	10	LDR Biased	19.723	19.589	-0.1336
7	10	LDR Biased	20.316	20.3	-0.0159
8	10	LDR Biased	19.349	19.16	-0.1889
9	10	LDR Biased	19.079	18.932	-0.1467
10	10	LDR Biased	20.072	19.97	-0.1018
11	30	LDR Biased	19.279	19.117	-0.1619
12	30	LDR Biased	19.406	19.399	-0.0068
13	30	LDR Biased	20.411	20.061	-0.3508
14	30	LDR Biased	19.477	19.406	-0.071
15	30	LDR Biased	21.548	21.458	-0.09
16	50	LDR Biased	19.878	19.771	-0.1068
17	50	LDR Biased	19.77	19.772	0.0018
18	50	LDR Biased	19.464	19.415	-0.0496
19	50	LDR Biased	18.9	18.876	-0.0238
20	50	LDR Biased	19.347	19.322	-0.0252
21	100	LDR Biased	19.369	19.477	0.1083
22	100	LDR Biased	20.17	20.073	-0.0966
23	100	LDR Biased	19.636	19.745	0.1094
24	100	LDR Biased	18.669	18.706	0.0374
25	100	LDR Biased	19.236	19.12	-0.1156
26	3	LDR Unbiased	19.661	19.583	-0.0781
27	3	LDR Unbiased	19.507	19.389	-0.118
28	3	LDR Unbiased	19.625	19.475	-0.1502
29	3	LDR Unbiased	18.771	18.709	-0.0626
30	3	LDR Unbiased	19.042	19.03	-0.0116
31	10	LDR Unbiased	19.394	19.309	-0.0849
32	10	LDR Unbiased	20.502	20.378	-0.1237
33	10	LDR Unbiased	19.138	19.182	0.0445
34	10	LDR Unbiased	18.812	18.792	-0.0206
35	10	LDR Unbiased	20.72	20.741	0.0209
36	30	LDR Unbiased	20.11	20.184	0.0735
37	30	LDR Unbiased	20.086	19.989	-0.0967
38	30	LDR Unbiased	19.724	19.581	-0.1435
39	30	LDR Unbiased	20.754	20.63	-0.1248
40	30	LDR Unbiased	19.858	19.92	0.0619
41	50	LDR Unbiased	18.553	18.649	0.0964
42	50	LDR Unbiased	19.473	19.537	0.0635
43	50	LDR Unbiased	18.907	18.902	-0.005
44	50	LDR Unbiased	20.393	20.396	0.003
45	50	LDR Unbiased	19.184	19.183	-0.0003
46	100	LDR Unbiased	19.025	18.991	-0.0341
47	100	LDR Unbiased	19.22	19.287	0.067
48	100	LDR Unbiased	19.503	19.551	0.0481
49	100	LDR Unbiased	19.653	19.655	0.0024
50	100	LDR Unbiased	19.447	19.726	0.2795
60	0	Correlation	19.551	19.611	0.0601
61	0	Correlation	19.54	19.707	0.1673
62	0	Correlation	19.727	19.86	0.1323
63	0	Correlation	19.637	19.764	0.1264
64	0	Correlation	19.039	19.142	0.1029
65	0	Correlation	18.834	18.87	0.0354

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	18.834	19.388	19.727	0.36214	18.87	19.492	19.86	0.39491	0.0354	0.10407	0.1673	0.048875
3	18.771	19.453	20.345	0.48252	18.709	19.394	20.318	0.47821	-0.1502	-0.05839	0.1081	0.072723
10	18.812	19.71	20.72	0.65875	18.792	19.635	20.741	0.67264	-0.1889	-0.07507	0.0445	0.077935
30	19.279	20.065	21.548	0.69544	19.117	19.974	21.458	0.68537	-0.3508	-0.09101	0.0735	0.12219
50	18.553	19.387	20.393	0.53958	18.649	19.382	20.396	0.51894	-0.1068	-0.0046	0.0964	0.055995
100	18.669	19.393	20.17	0.40285	18.706	19.433	20.073	0.40854	-0.1156	0.04058	0.2795	0.11422

Device Test: 20.71 _THRESHOLD|RISE/SW/12////@HIGHSIDE_CURR_LIM_9A





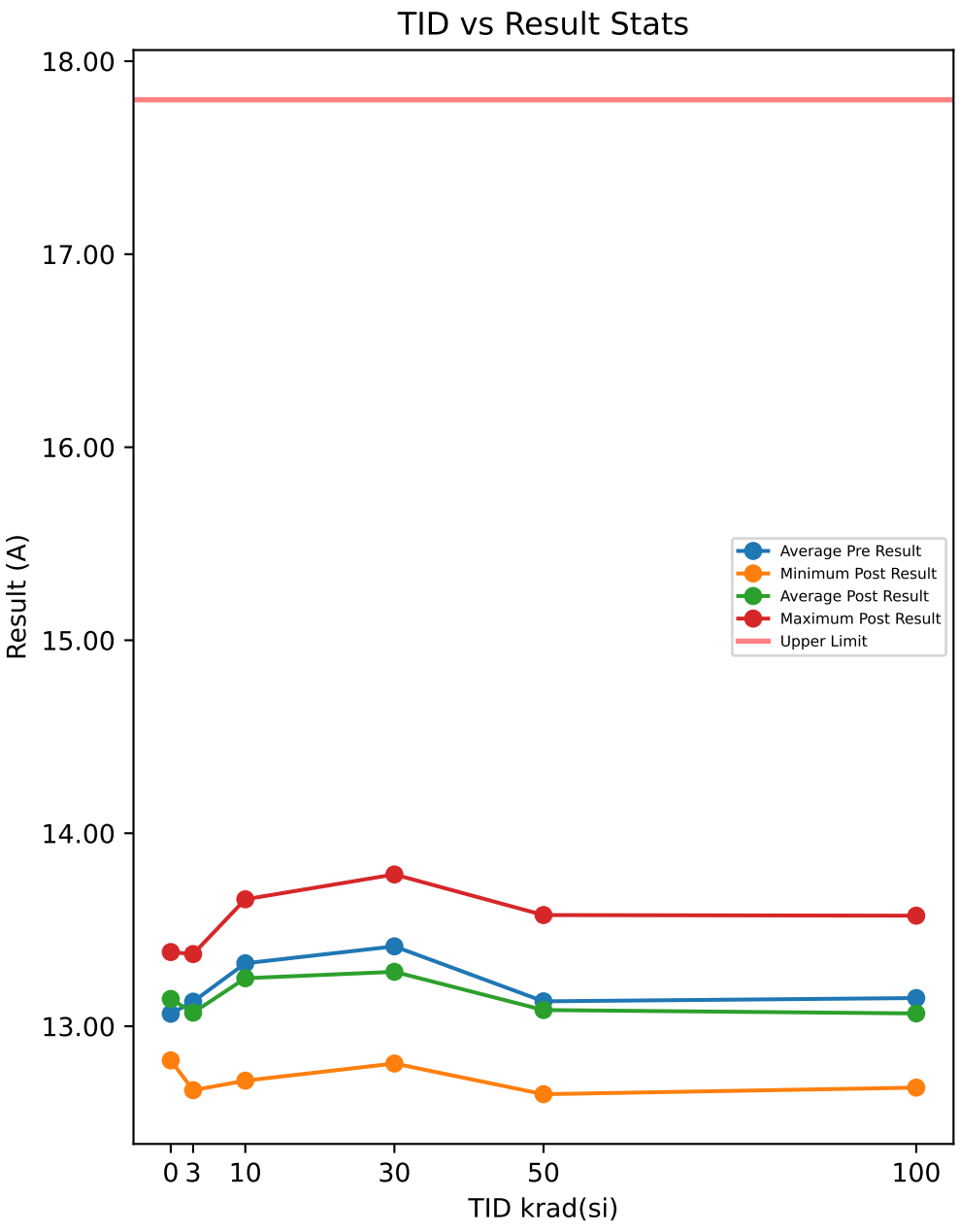
Test Results (Upper Limit = 11.9 (A))

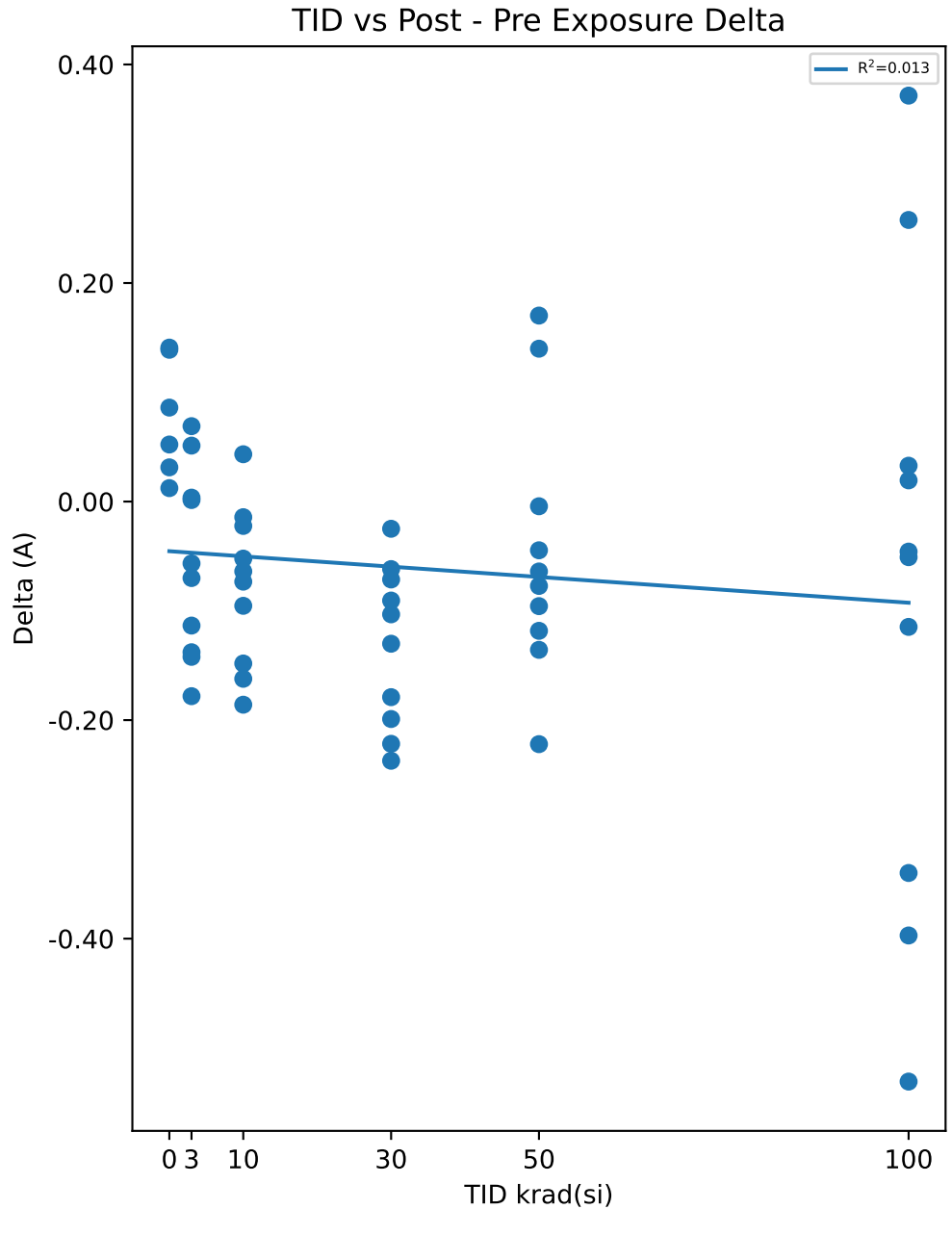
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	LDR Biased	8.6461	8.6801	0.034
2	3	LDR Biased	9.2103	9.0111	-0.1992
3	3	LDR Biased	8.7471	8.7914	0.0443
4	3	LDR Biased	8.9783	9.0509	0.0726
5	3	LDR Biased	9.1481	9.1205	-0.0276
6	10	LDR Biased	9.1773	9.0435	-0.1338
7	10	LDR Biased	9.355	9.273	-0.082
8	10	LDR Biased	8.6543	8.63	-0.0243
9	10	LDR Biased	8.9926	9.018	0.0254
10	10	LDR Biased	9.0096	8.9953	-0.0143
11	30	LDR Biased	8.9141	8.7276	-0.1865
12	30	LDR Biased	8.8353	8.8153	-0.02
13	30	LDR Biased	9.1905	9.0068	-0.1837
14	30	LDR Biased	9.045	8.9521	-0.0929
15	30	LDR Biased	9.5002	9.3159	-0.1843
16	50	LDR Biased	9.2324	9.0638	-0.1686
17	50	LDR Biased	9.0937	9.0175	-0.0762
18	50	LDR Biased	8.9287	8.8614	-0.0673
19	50	LDR Biased	8.6868	8.673	-0.0138
20	50	LDR Biased	8.7235	8.7137	-0.0098
21	100	LDR Biased	9.1348	9.0249	-0.1099
22	100	LDR Biased	9.1488	8.7527	-0.3961
23	100	LDR Biased	9.1453	9.0642	-0.0811
24	100	LDR Biased	8.7019	8.6468	-0.0551
25	100	LDR Biased	8.9459	8.5049	-0.441
26	3	LDR Unbiased	8.8049	8.8612	0.0563
27	3	LDR Unbiased	9.112	9.0173	-0.0947
28	3	LDR Unbiased	9.0251	9.0055	-0.0196
29	3	LDR Unbiased	8.6099	8.6302	0.0203
30	3	LDR Unbiased	8.8927	8.8588	-0.0339
31	10	LDR Unbiased	9.1797	9.1512	-0.0285
32	10	LDR Unbiased	9.1949	9.2148	0.0199
33	10	LDR Unbiased	9.0552	8.9925	-0.0627
34	10	LDR Unbiased	8.7746	8.6914	-0.0832
35	10	LDR Unbiased	9.3938	9.363	-0.0308
36	30	LDR Unbiased	9.1744	9.1297	-0.0447
37	30	LDR Unbiased	9.149	9.1466	-0.0024
38	30	LDR Unbiased	9.2197	9.0049	-0.2148
39	30	LDR Unbiased	9.1738	9.1841	0.0103
40	30	LDR Unbiased	9.1557	9.0112	-0.1445
41	50	LDR Unbiased	8.6289	8.8609	0.232
42	50	LDR Unbiased	9.0708	9.208	0.1372
43	50	LDR Unbiased	8.7087	8.6181	-0.0906
44	50	LDR Unbiased	9.3774	9.1227	-0.2547
45	50	LDR Unbiased	8.9218	8.9885	0.0667
46	100	LDR Unbiased	8.7296	8.5807	-0.1489
47	100	LDR Unbiased	8.8192	8.8668	0.0476
48	100	LDR Unbiased	8.9348	8.7511	-0.1837
49	100	LDR Unbiased	8.9005	9.083	0.1825
50	100	LDR Unbiased	8.9142	9.1211	0.2069
60	0	Correlation	8.8637	8.9709	0.1072
61	0	Correlation	8.8126	8.9734	0.1608
62	0	Correlation	8.944	9.0854	0.1414
63	0	Correlation	8.9754	9.0297	0.0543
64	0	Correlation	8.7761	8.8146	0.0385
65	0	Correlation	8.6641	8.7377	0.0736

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	8.6641	8.8393	8.9754	0.11444	8.7377	8.9353	9.0854	0.13249	0.0385	0.095967	0.1608	0.048852
3	8.6099	8.9174	9.2103	0.21151	8.6302	8.9027	9.1205	0.16489	-0.1992	-0.01475	0.0726	0.082151
10	8.6543	9.0787	9.3938	0.23438	8.63	9.0373	9.363	0.23472	-0.1338	-0.04143	0.0254	0.049343
30	8.8353	9.1358	9.5002	0.18074	8.7276	9.0294	9.3159	0.17453	-0.2148	-0.10635	0.0103	0.086635
50	8.6289	8.9373	9.3774	0.25368	8.6181	8.9128	9.208	0.20001	-0.2547	-0.02451	0.232	0.14268
100	8.7019	8.9375	9.1488	0.1638	8.5049	8.8396	9.1211	0.225	-0.441	-0.09788	0.2069	0.21384

Device Test: 20.72 _THRESHOLD|RISE/SW/12////@HIGHSIDE_CURR_LIM_13A





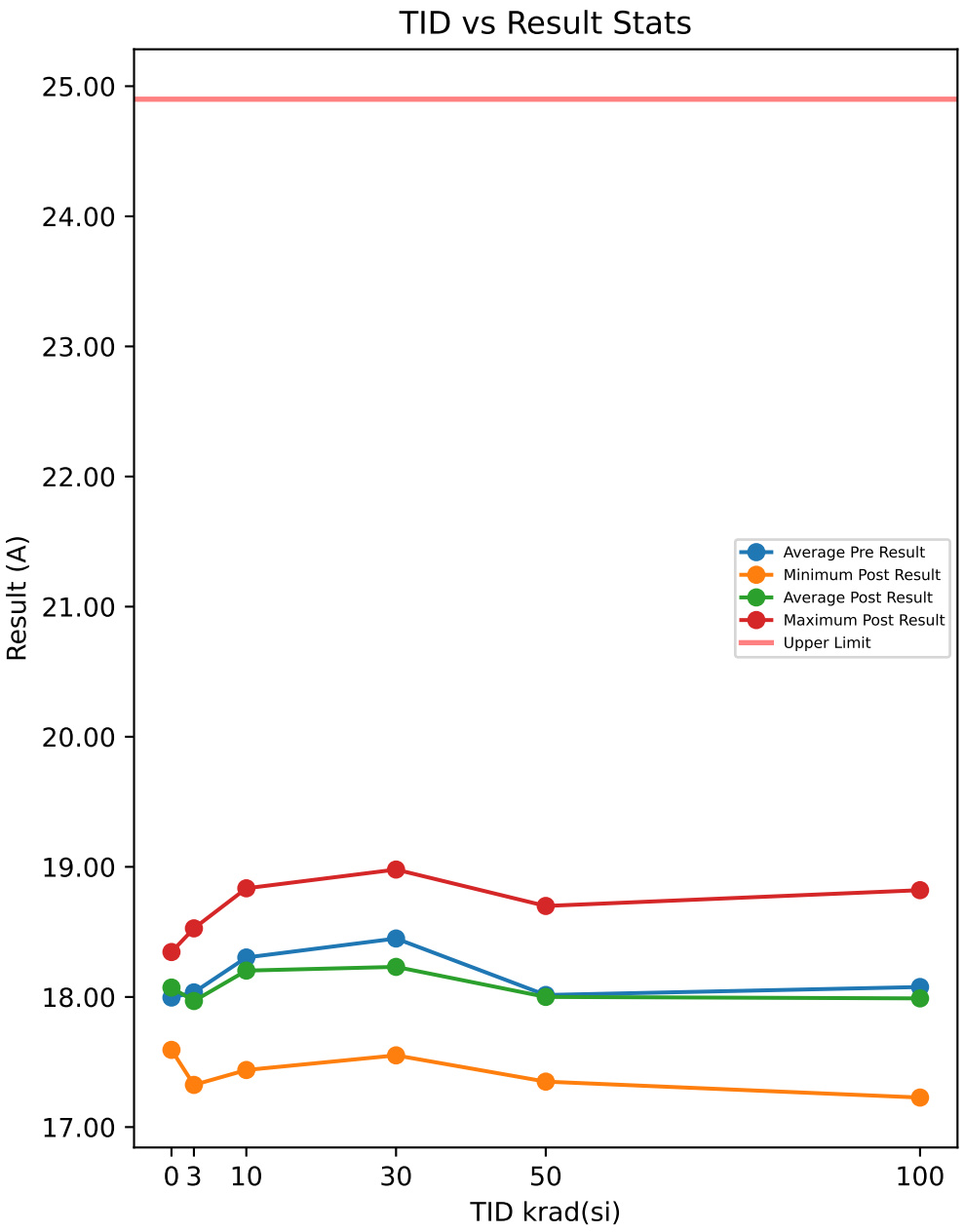
Test Results (Upper Limit = 17.8 (A))

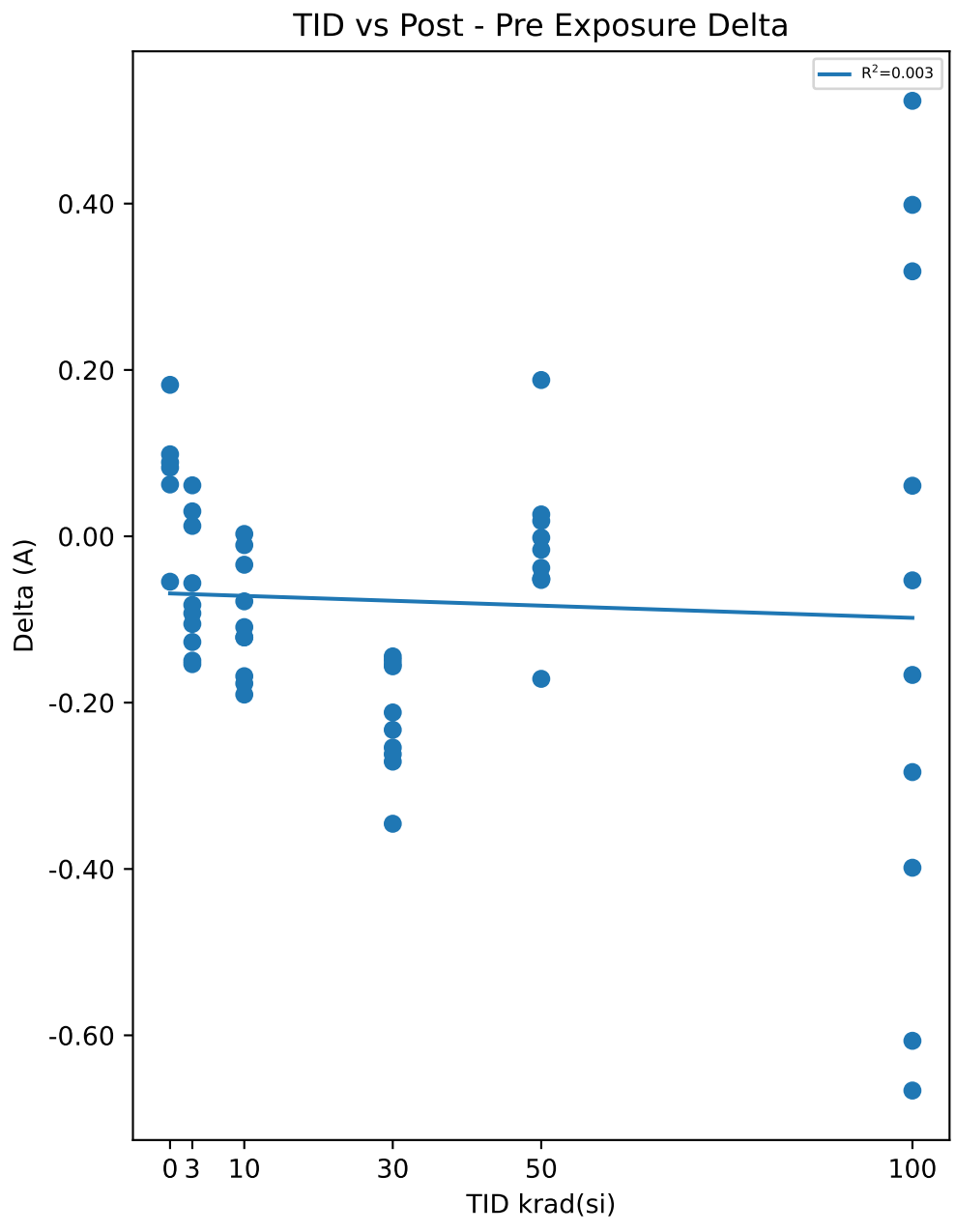
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	LDR Biased	12.754	12.823	0.069
2	3	LDR Biased	13.463	13.321	-0.1421
3	3	LDR Biased	13.088	12.909	-0.1781
4	3	LDR Biased	13.238	13.168	-0.07
5	3	LDR Biased	13.431	13.374	-0.0566
6	10	LDR Biased	13.506	13.344	-0.1622
7	10	LDR Biased	13.672	13.62	-0.0522
8	10	LDR Biased	12.866	12.718	-0.1482
9	10	LDR Biased	13.258	13.072	-0.1859
10	10	LDR Biased	13.44	13.345	-0.0954
11	30	LDR Biased	13.029	12.807	-0.2217
12	30	LDR Biased	13.117	12.987	-0.1301
13	30	LDR Biased	13.509	13.33	-0.179
14	30	LDR Biased	13.234	13.144	-0.0906
15	30	LDR Biased	13.986	13.787	-0.199
16	50	LDR Biased	13.51	13.432	-0.0772
17	50	LDR Biased	13.36	13.224	-0.1357
18	50	LDR Biased	13.121	13.025	-0.0957
19	50	LDR Biased	12.772	12.708	-0.064
20	50	LDR Biased	12.876	12.872	-0.0043
21	100	LDR Biased	13.301	13.32	0.0194
22	100	LDR Biased	13.356	12.826	-0.5308
23	100	LDR Biased	13.499	13.532	0.0328
24	100	LDR Biased	12.863	12.817	-0.0458
25	100	LDR Biased	13.22	12.823	-0.3971
26	3	LDR Unbiased	13.018	13.069	0.0512
27	3	LDR Unbiased	13.274	13.277	0.0036
28	3	LDR Unbiased	13.287	13.149	-0.1379
29	3	LDR Unbiased	12.667	12.669	0.0014
30	3	LDR Unbiased	13.057	12.944	-0.1135
31	10	LDR Unbiased	13.323	13.309	-0.0143
32	10	LDR Unbiased	13.564	13.5	-0.0639
33	10	LDR Unbiased	13.124	13.167	0.0433
34	10	LDR Unbiased	12.778	12.756	-0.0223
35	10	LDR Unbiased	13.731	13.658	-0.0733
36	30	LDR Unbiased	13.482	13.411	-0.0713
37	30	LDR Unbiased	13.542	13.305	-0.2372
38	30	LDR Unbiased	13.32	13.258	-0.0618
39	30	LDR Unbiased	13.542	13.439	-0.1032
40	30	LDR Unbiased	13.38	13.355	-0.0249
41	50	LDR Unbiased	12.742	12.912	0.1702
42	50	LDR Unbiased	13.24	13.38	0.1399
43	50	LDR Unbiased	12.766	12.648	-0.1183
44	50	LDR Unbiased	13.621	13.576	-0.0446
45	50	LDR Unbiased	13.284	13.062	-0.222
46	100	LDR Unbiased	12.881	12.766	-0.1147
47	100	LDR Unbiased	12.953	12.902	-0.0509
48	100	LDR Unbiased	13.022	12.682	-0.3399
49	100	LDR Unbiased	13.201	13.573	0.3715
50	100	LDR Unbiased	13.166	13.424	0.2577
60	0	Correlation	13.206	13.218	0.0123
61	0	Correlation	13.03	13.17	0.1409
62	0	Correlation	13.204	13.256	0.0522
63	0	Correlation	13.246	13.384	0.1389
64	0	Correlation	12.966	12.997	0.0313
65	0	Correlation	12.737	12.823	0.086

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	12.737	13.065	13.246	0.19509	12.823	13.142	13.384	0.20053	0.0123	0.076933	0.1409	0.054563
3	12.667	13.128	13.463	0.26524	12.669	13.07	13.374	0.23043	-0.1781	-0.0573	0.069	0.085945
10	12.778	13.326	13.731	0.32366	12.718	13.249	13.658	0.32529	-0.1859	-0.07744	0.0433	0.072049
30	13.029	13.414	13.986	0.26917	12.807	13.282	13.787	0.26588	-0.2372	-0.13188	-0.0249	0.073364
50	12.742	13.129	13.621	0.32474	12.648	13.084	13.576	0.31279	-0.222	-0.04517	0.1702	0.12067
100	12.863	13.146	13.499	0.21216	12.682	13.066	13.573	0.35112	-0.5308	-0.07978	0.3715	0.28187

Device Test: 20.73 _THRESHOLD|RISE/SW/12////@HIGHSIDE_CURR_LIM_19A





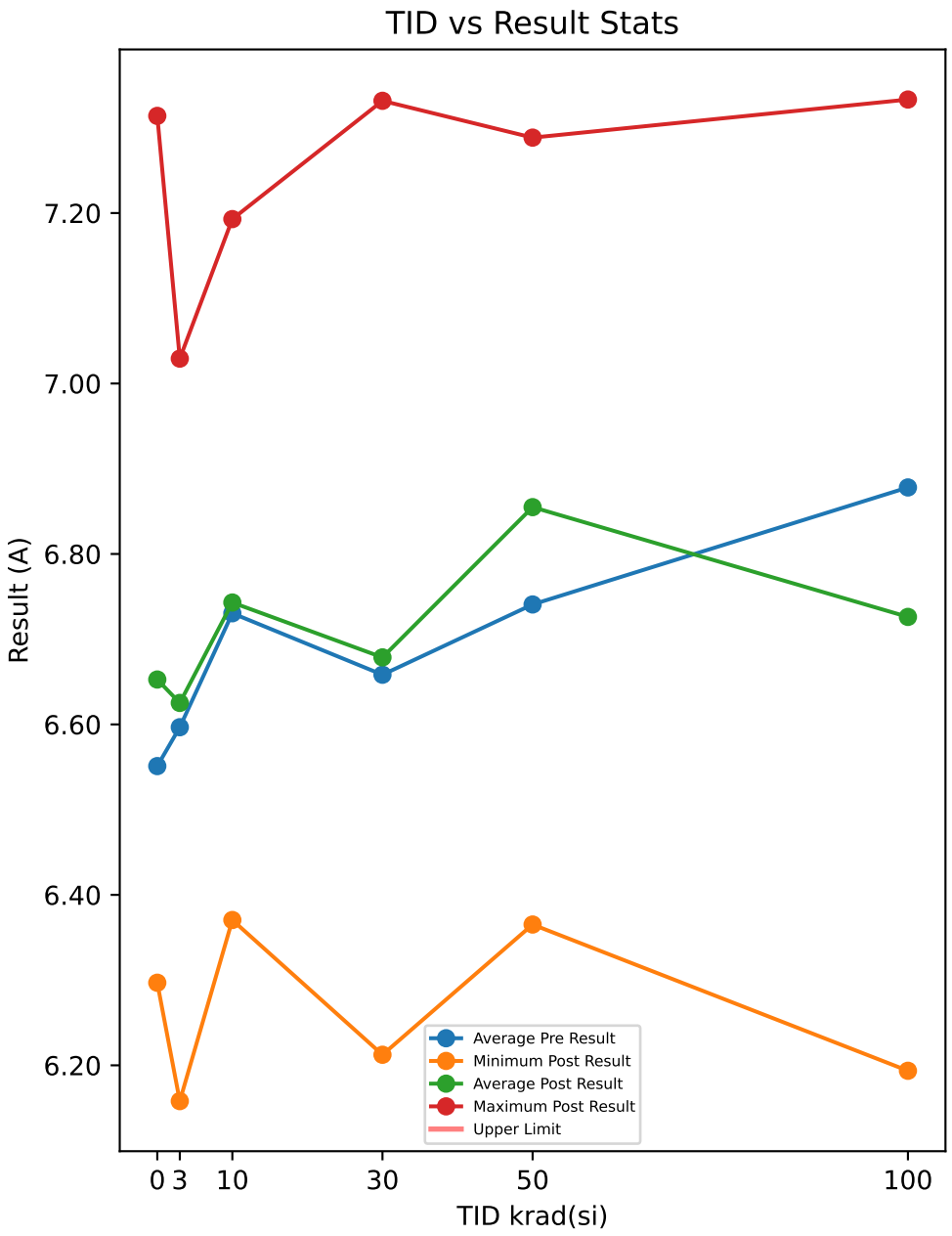
Test Results (Upper Limit = 24.9 (A))

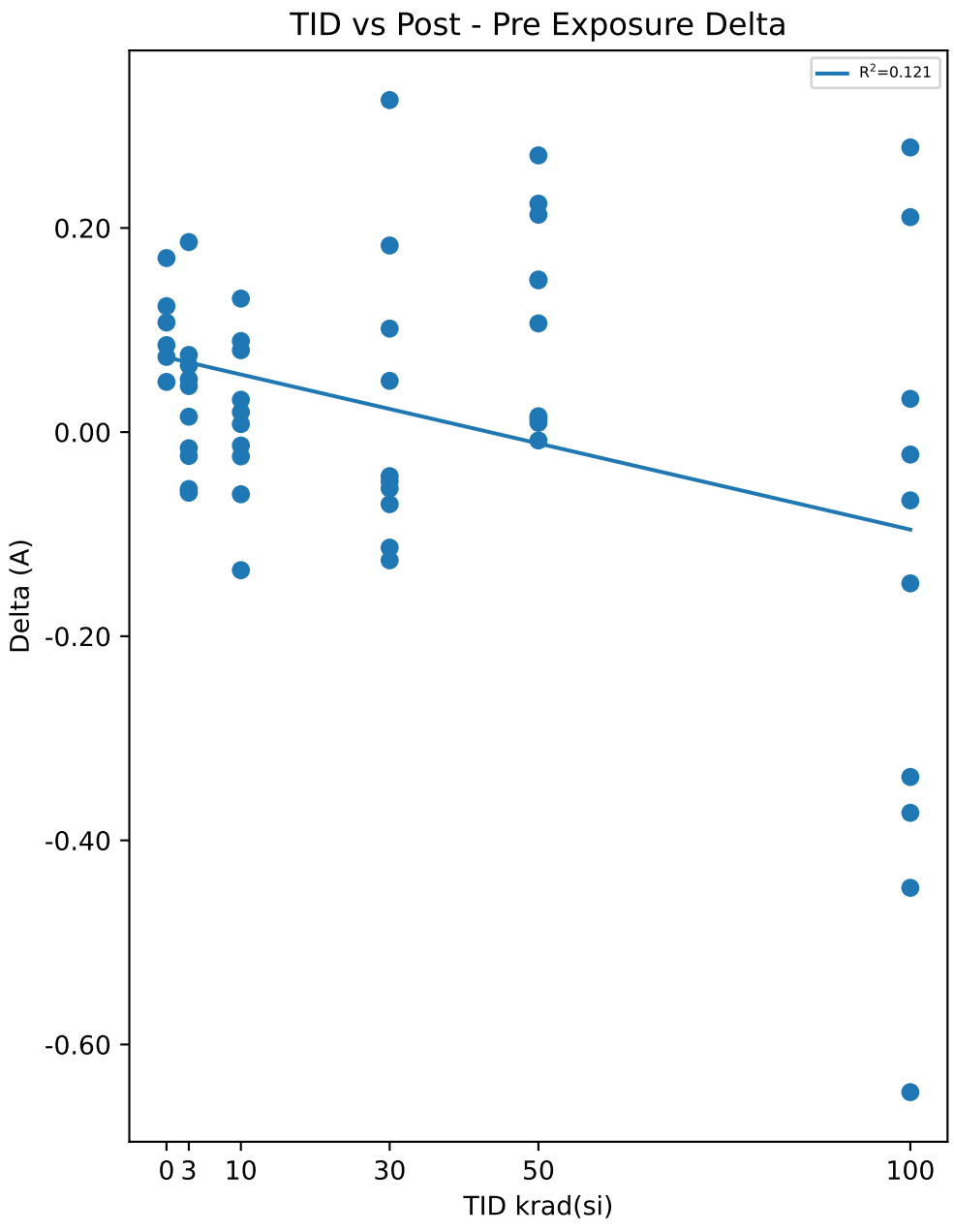
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	LDR Biased	17.623	17.653	0.03
2	3	LDR Biased	18.542	18.392	-0.1495
3	3	LDR Biased	17.886	17.732	-0.1537
4	3	LDR Biased	18.161	18.069	-0.0926
5	3	LDR Biased	18.584	18.527	-0.0563
6	10	LDR Biased	18.446	18.325	-0.1215
7	10	LDR Biased	18.746	18.625	-0.1216
8	10	LDR Biased	17.757	17.567	-0.1903
9	10	LDR Biased	18.086	17.909	-0.177
10	10	LDR Biased	18.549	18.44	-0.1092
11	30	LDR Biased	17.897	17.551	-0.3456
12	30	LDR Biased	17.965	17.809	-0.1563
13	30	LDR Biased	18.69	18.419	-0.2709
14	30	LDR Biased	18.16	17.949	-0.2118
15	30	LDR Biased	19.233	18.979	-0.254
16	50	LDR Biased	18.649	18.598	-0.0508
17	50	LDR Biased	18.418	18.247	-0.1714
18	50	LDR Biased	18.018	17.98	-0.0379
19	50	LDR Biased	17.476	17.425	-0.0512
20	50	LDR Biased	17.68	17.706	0.0263
21	100	LDR Biased	18.397	18.344	-0.053
22	100	LDR Biased	18.29	17.683	-0.6066
23	100	LDR Biased	18.502	18.821	0.3186
24	100	LDR Biased	17.636	17.697	0.0608
25	100	LDR Biased	18.063	17.665	-0.3985
26	3	LDR Unbiased	17.894	17.907	0.0125
27	3	LDR Unbiased	18.213	18.108	-0.1054
28	3	LDR Unbiased	18.224	18.096	-0.1271
29	3	LDR Unbiased	17.407	17.324	-0.0825
30	3	LDR Unbiased	17.819	17.88	0.0613
31	10	LDR Unbiased	18.289	18.278	-0.0106
32	10	LDR Unbiased	18.677	18.598	-0.0782
33	10	LDR Unbiased	18.008	18.011	0.0028
34	10	LDR Unbiased	17.607	17.439	-0.1682
35	10	LDR Unbiased	18.869	18.835	-0.0342
36	30	LDR Unbiased	18.466	18.317	-0.1488
37	30	LDR Unbiased	18.464	18.202	-0.262
38	30	LDR Unbiased	18.404	18.25	-0.1539
39	30	LDR Unbiased	18.836	18.604	-0.2327
40	30	LDR Unbiased	18.376	18.232	-0.1444
41	50	LDR Unbiased	17.585	17.583	-0.0017
42	50	LDR Unbiased	18.182	18.37	0.1879
43	50	LDR Unbiased	17.331	17.349	0.0185
44	50	LDR Unbiased	18.716	18.699	-0.0162
45	50	LDR Unbiased	18.098	18.045	-0.0525
46	100	LDR Unbiased	17.909	17.625	-0.2835
47	100	LDR Unbiased	17.767	17.601	-0.1667
48	100	LDR Unbiased	17.893	17.227	-0.6664
49	100	LDR Unbiased	18.213	18.737	0.5236
50	100	LDR Unbiased	18.093	18.492	0.3985
60	0	Correlation	18.277	18.223	-0.0546
61	0	Correlation	17.994	18.176	0.1821
62	0	Correlation	18.155	18.237	0.0826
63	0	Correlation	18.256	18.345	0.0889
64	0	Correlation	17.76	17.859	0.0986
65	0	Correlation	17.531	17.593	0.0623

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	17.531	17.996	18.277	0.29792	17.593	18.072	18.345	0.28636	-0.0546	0.07665	0.1821	0.076445
3	17.407	18.035	18.584	0.37918	17.324	17.969	18.527	0.35268	-0.1537	-0.06633	0.0613	0.076453
10	17.607	18.303	18.869	0.42886	17.439	18.203	18.835	0.46227	-0.1903	-0.1008	0.0028	0.069207
30	17.897	18.449	19.233	0.40186	17.551	18.231	18.979	0.40318	-0.3456	-0.21804	-0.1444	0.067238
50	17.331	18.015	18.716	0.48833	17.349	18	18.699	0.47862	-0.1714	-0.0149	0.1879	0.090159
100	17.636	18.076	18.502	0.27883	17.227	17.989	18.821	0.55558	-0.6664	-0.08732	0.5236	0.41416

Device Test: 20.74 _THRESHOLD|RISE/SW/12////@HIGHSIDE_CURR_LIM2_6A





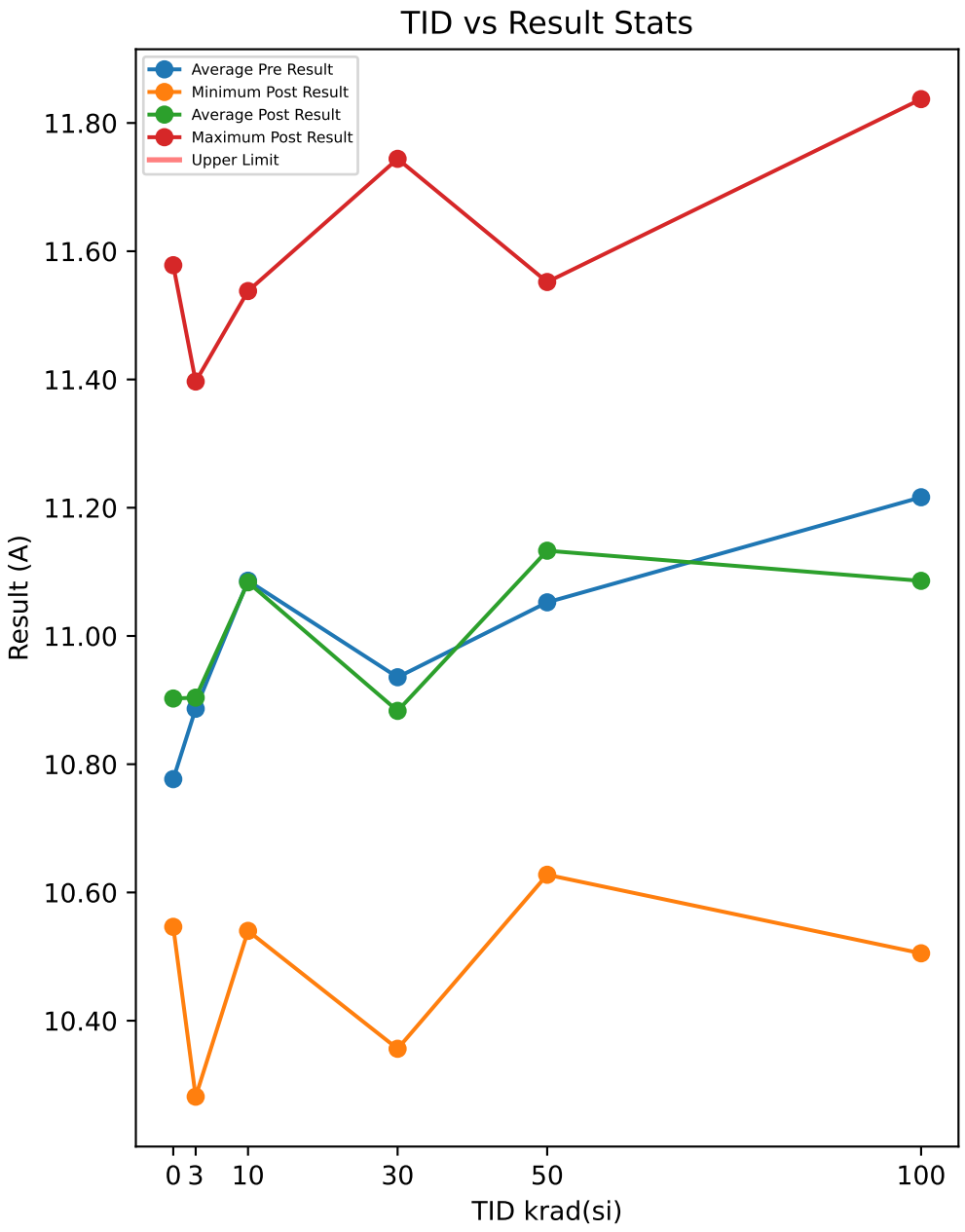
Test Results (No Limits Specified (A))

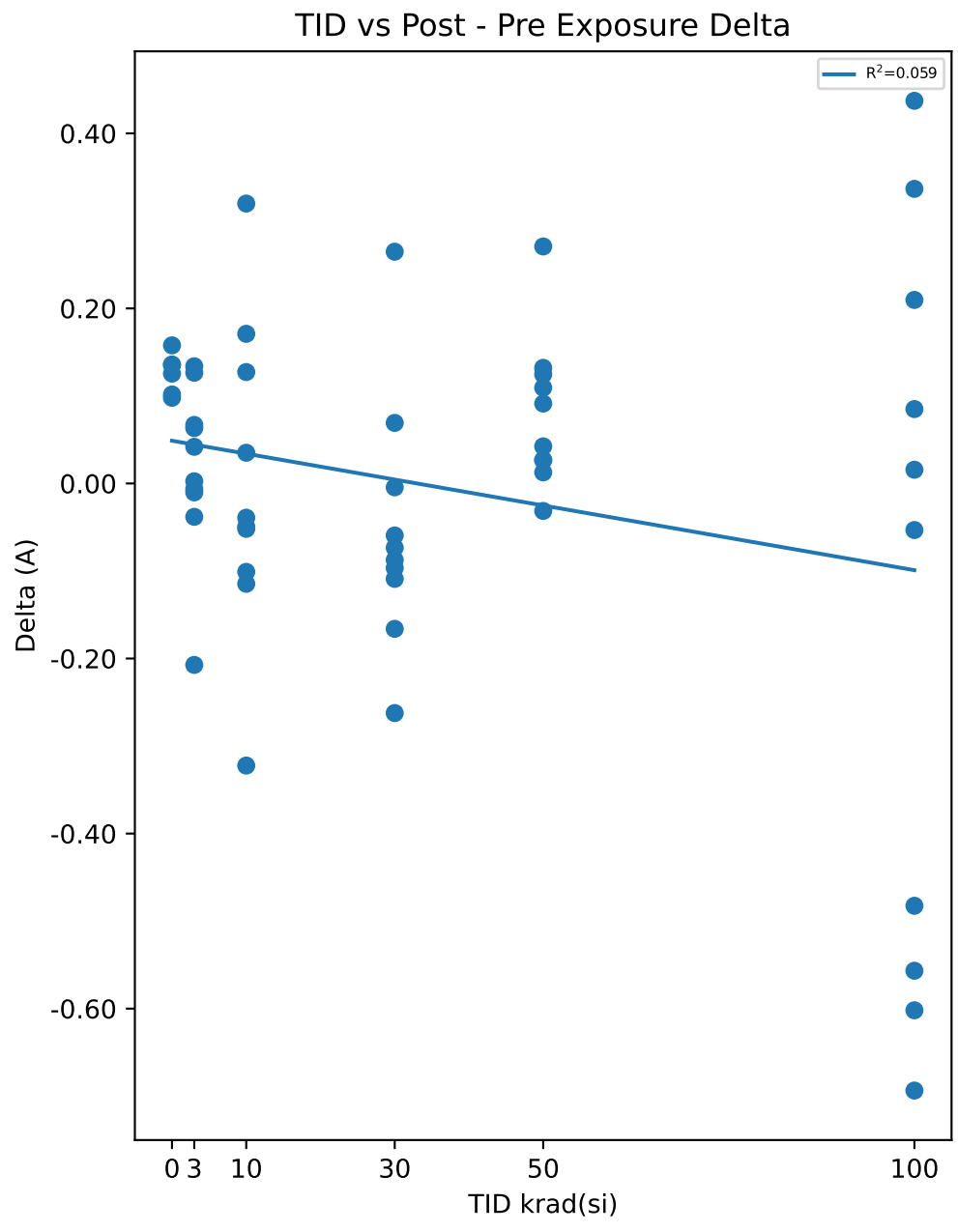
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	LDR Biased	6.1815	6.2571	0.0756
2	3	LDR Biased	6.7113	6.6555	-0.0558
3	3	LDR Biased	6.3191	6.371	0.0519
4	3	LDR Biased	7.045	7.0292	-0.0158
5	3	LDR Biased	6.8692	6.8843	0.0151
6	10	LDR Biased	6.3577	6.4885	0.1308
7	10	LDR Biased	7.0658	7.146	0.0802
8	10	LDR Biased	6.928	6.7927	-0.1353
9	10	LDR Biased	6.792	6.7999	0.0079
10	10	LDR Biased	6.5406	6.5274	-0.0132
11	30	LDR Biased	7.0184	6.9632	-0.0552
12	30	LDR Biased	6.6036	6.6538	0.0502
13	30	LDR Biased	6.3256	6.2124	-0.1132
14	30	LDR Biased	6.28	6.2317	-0.0483
15	30	LDR Biased	6.7393	6.6961	-0.0432
16	50	LDR Biased	6.5393	6.6888	0.1495
17	50	LDR Biased	6.5241	6.5332	0.0091
18	50	LDR Biased	7.2967	7.2885	-0.0082
19	50	LDR Biased	6.6297	6.6452	0.0155
20	50	LDR Biased	6.3524	6.3652	0.0128
21	100	LDR Biased	7.0491	6.9822	-0.0669
22	100	LDR Biased	7.3865	6.7398	-0.6467
23	100	LDR Biased	6.4097	6.3877	-0.022
24	100	LDR Biased	6.4269	6.2787	-0.1482
25	100	LDR Biased	7.2156	6.7691	-0.4465
26	3	LDR Unbiased	6.1129	6.158	0.0451
27	3	LDR Unbiased	6.9862	6.9268	-0.0594
28	3	LDR Unbiased	6.9801	6.9567	-0.0234
29	3	LDR Unbiased	6.0815	6.2677	0.1862
30	3	LDR Unbiased	6.6803	6.7457	0.0654
31	10	LDR Unbiased	6.9249	6.9566	0.0317
32	10	LDR Unbiased	6.3943	6.3705	-0.0238
33	10	LDR Unbiased	6.6065	6.6957	0.0892
34	10	LDR Unbiased	6.5211	6.4602	-0.0609
35	10	LDR Unbiased	7.1733	7.1929	0.0196
36	30	LDR Unbiased	6.7044	6.8058	0.1014
37	30	LDR Unbiased	6.5419	6.4713	-0.0706
38	30	LDR Unbiased	7.0064	7.3317	0.3253
39	30	LDR Unbiased	6.6935	6.5679	-0.1256
40	30	LDR Unbiased	6.6697	6.8525	0.1828
41	50	LDR Unbiased	6.9747	7.1985	0.2238
42	50	LDR Unbiased	6.8532	7.0019	0.1487
43	50	LDR Unbiased	6.6342	6.8472	0.213
44	50	LDR Unbiased	6.8871	6.9936	0.1065
45	50	LDR Unbiased	6.7161	6.9872	0.2711
46	100	LDR Unbiased	6.5666	6.1936	-0.373
47	100	LDR Unbiased	6.9035	6.9361	0.0326
48	100	LDR Unbiased	6.8171	6.4792	-0.3379
49	100	LDR Unbiased	7.1226	7.3332	0.2106
50	100	LDR Unbiased	6.8828	7.1617	0.2789
60	0	Correlation	6.6118	6.661	0.0492
61	0	Correlation	6.2838	6.4543	0.1705
62	0	Correlation	6.5927	6.6664	0.0737
63	0	Correlation	7.2066	7.314	0.1074
64	0	Correlation	6.1735	6.2969	0.1234
65	0	Correlation	6.4382	6.5234	0.0852

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	6.1735	6.5511	7.2066	0.36383	6.2969	6.6527	7.314	0.35221	0.0492	0.10157	0.1705	0.042542
3	6.0815	6.5967	7.045	0.38629	6.158	6.6252	7.0292	0.33214	-0.0594	0.02849	0.1862	0.073742
10	6.3577	6.7304	7.1733	0.28604	6.3705	6.743	7.1929	0.28836	-0.1353	0.01262	0.1308	0.07754
30	6.28	6.6583	7.0184	0.24295	6.2124	6.6786	7.3317	0.33783	-0.1256	0.02036	0.3253	0.1448
50	6.3524	6.7408	7.2967	0.2709	6.3652	6.8549	7.2885	0.29427	-0.0082	0.11418	0.2711	0.10271
100	6.4097	6.878	7.3865	0.33096	6.1936	6.7261	7.3332	0.38431	-0.6467	-0.15191	0.2789	0.29632

Device Test: 20.75 _THRESHOLD|RISE/SW/12////@HIGHSIDE_CURR_LIM2_9A





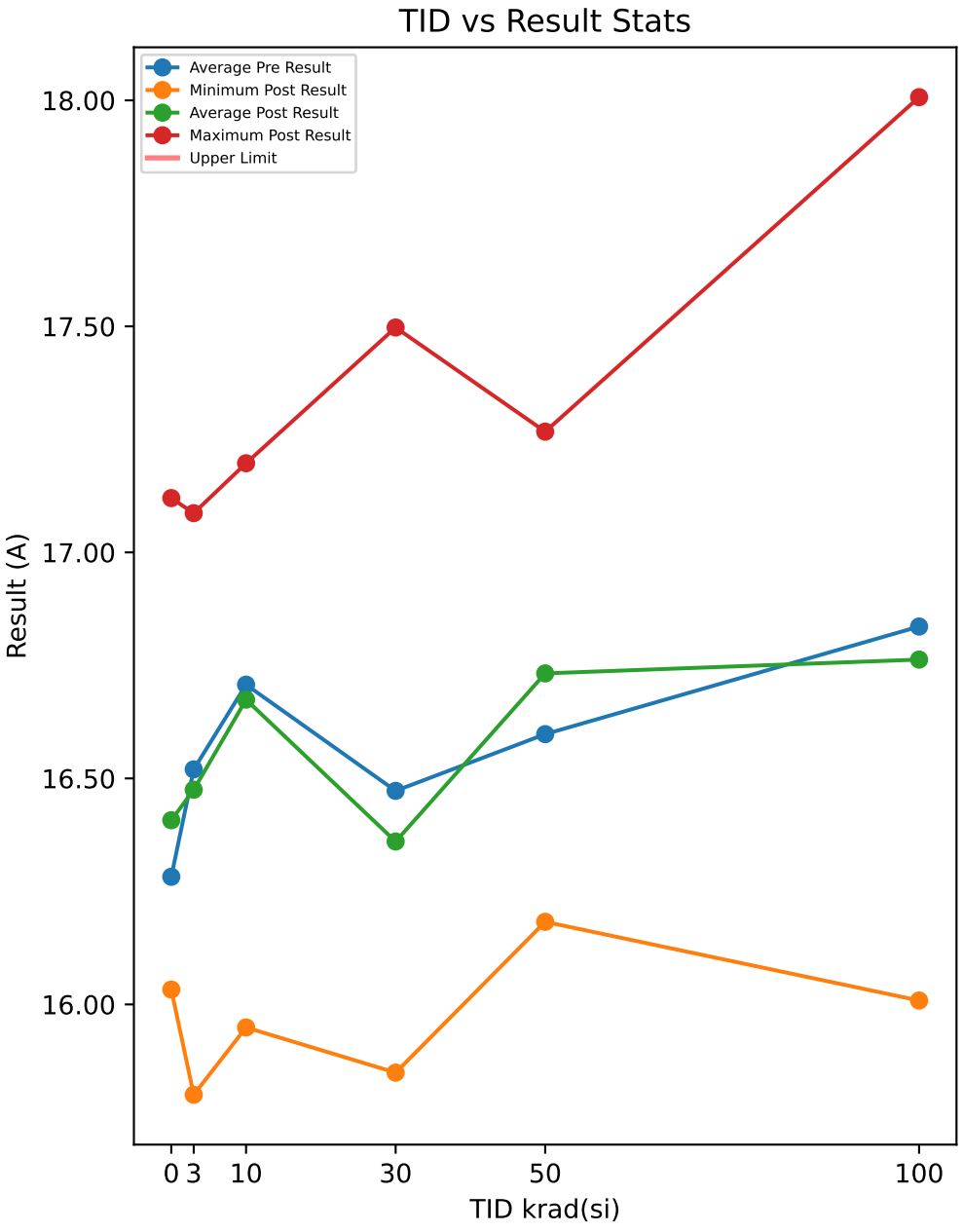
Test Results (No Limits Specified (A))

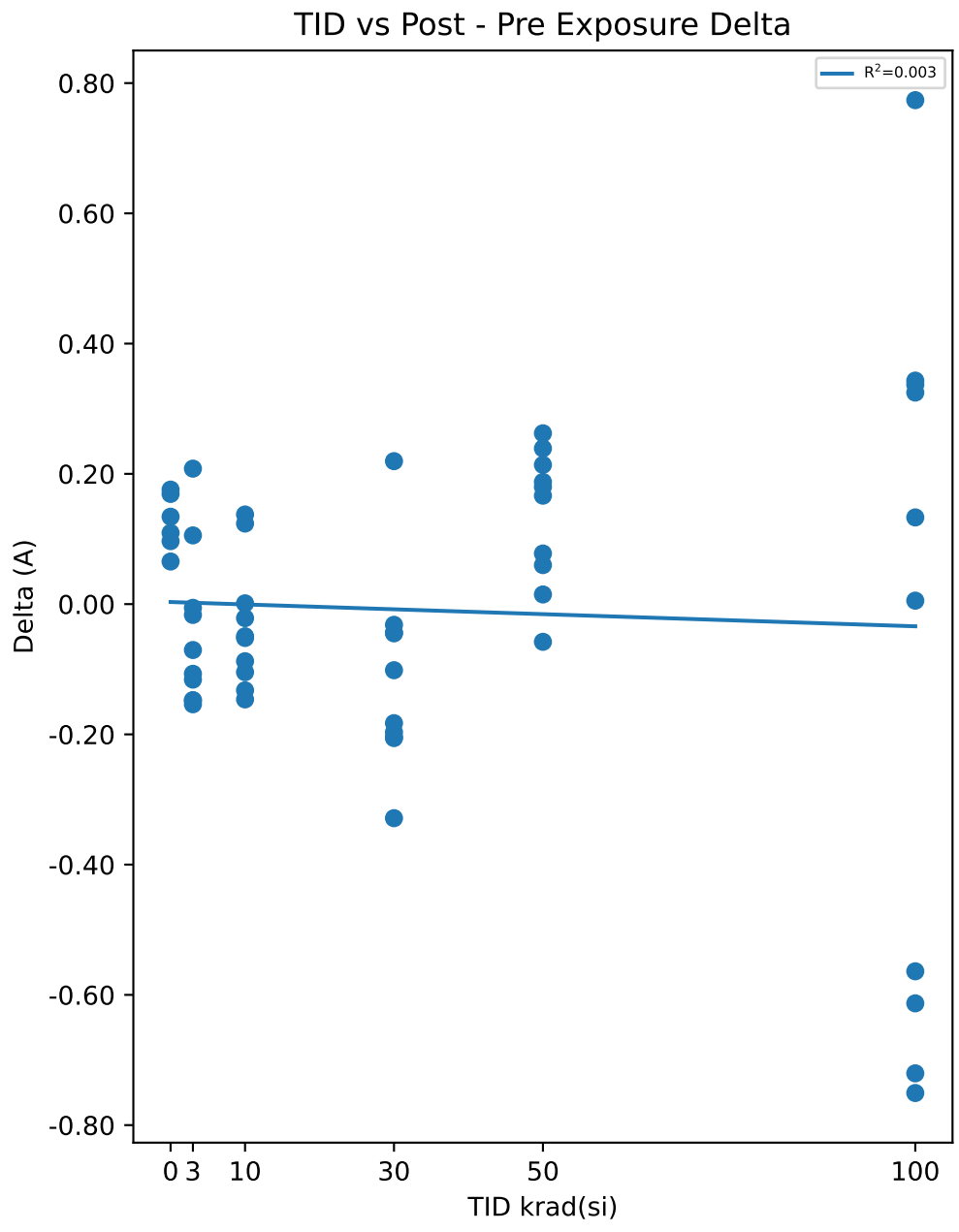
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	LDR Biased	10.397	10.531	0.1339
2	3	LDR Biased	11.083	10.876	-0.2073
3	3	LDR Biased	10.599	10.588	-0.0102
4	3	LDR Biased	11.403	11.397	-0.0063
5	3	LDR Biased	11.118	11.121	0.0025
6	10	LDR Biased	10.514	10.641	0.1273
7	10	LDR Biased	11.405	11.441	0.0351
8	10	LDR Biased	11.381	11.059	-0.3223
9	10	LDR Biased	11.175	11.123	-0.0518
10	10	LDR Biased	10.895	10.794	-0.101
11	30	LDR Biased	11.362	11.265	-0.0966
12	30	LDR Biased	11.02	10.932	-0.0873
13	30	LDR Biased	10.465	10.356	-0.109
14	30	LDR Biased	10.457	10.384	-0.0734
15	30	LDR Biased	10.923	10.864	-0.0594
16	50	LDR Biased	10.735	10.761	0.0268
17	50	LDR Biased	10.947	10.96	0.0127
18	50	LDR Biased	11.416	11.508	0.0913
19	50	LDR Biased	11.033	11.002	-0.0314
20	50	LDR Biased	10.518	10.628	0.1094
21	100	LDR Biased	11.334	11.419	0.085
22	100	LDR Biased	11.835	11.141	-0.6936
23	100	LDR Biased	10.702	10.912	0.2097
24	100	LDR Biased	10.675	10.691	0.0157
25	100	LDR Biased	11.593	11.036	-0.5567
26	3	LDR Unbiased	10.306	10.432	0.1265
27	3	LDR Unbiased	11.28	11.347	0.0669
28	3	LDR Unbiased	11.328	11.37	0.0419
29	3	LDR Unbiased	10.32	10.281	-0.0381
30	3	LDR Unbiased	11.031	11.094	0.0633
31	10	LDR Unbiased	11.426	11.311	-0.1146
32	10	LDR Unbiased	10.589	10.54	-0.0494
33	10	LDR Unbiased	10.954	11.274	0.3198
34	10	LDR Unbiased	10.944	11.115	0.171
35	10	LDR Unbiased	11.577	11.538	-0.0391
36	30	LDR Unbiased	11.15	11.146	-0.0044
37	30	LDR Unbiased	10.773	10.511	-0.2623
38	30	LDR Unbiased	11.479	11.744	0.2648
39	30	LDR Unbiased	10.827	10.661	-0.1661
40	30	LDR Unbiased	10.9	10.969	0.0692
41	50	LDR Unbiased	11.427	11.552	0.1246
42	50	LDR Unbiased	11.115	11.157	0.0424
43	50	LDR Unbiased	10.961	11.232	0.2708
44	50	LDR Unbiased	11.361	11.388	0.0266
45	50	LDR Unbiased	11.01	11.142	0.1321
46	100	LDR Unbiased	10.988	10.505	-0.4825
47	100	LDR Unbiased	11.113	11.06	-0.0532
48	100	LDR Unbiased	11.275	10.673	-0.6019
49	100	LDR Unbiased	11.4	11.837	0.4372
50	100	LDR Unbiased	11.248	11.585	0.3366
60	0	Correlation	10.995	11.096	0.1017
61	0	Correlation	10.547	10.645	0.0979
62	0	Correlation	10.656	10.792	0.1359
63	0	Correlation	11.42	11.578	0.1578
64	0	Correlation	10.411	10.546	0.1354
65	0	Correlation	10.631	10.757	0.1255

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	10.411	10.777	11.42	0.36988	10.546	10.902	11.578	0.37967	0.0979	0.1257	0.1578	0.022704
3	10.306	10.886	11.403	0.43595	10.281	10.904	11.397	0.42009	-0.2073	0.01731	0.1339	0.097609
10	10.514	11.086	11.577	0.36534	10.54	11.084	11.538	0.33326	-0.3223	-0.0025	0.3198	0.17725
30	10.457	10.936	11.479	0.33673	10.356	10.883	11.744	0.43228	-0.2623	-0.05245	0.2648	0.14203
50	10.518	11.052	11.427	0.29449	10.628	11.133	11.552	0.3041	-0.0314	0.08053	0.2708	0.085721
100	10.675	11.216	11.835	0.36464	10.505	11.086	11.837	0.42484	-0.6936	-0.13037	0.4372	0.41831

Device Test: 20.76 _THRESHOLD|RISE/SW/12////@HIGHSIDE_CURR_LIM2_13A





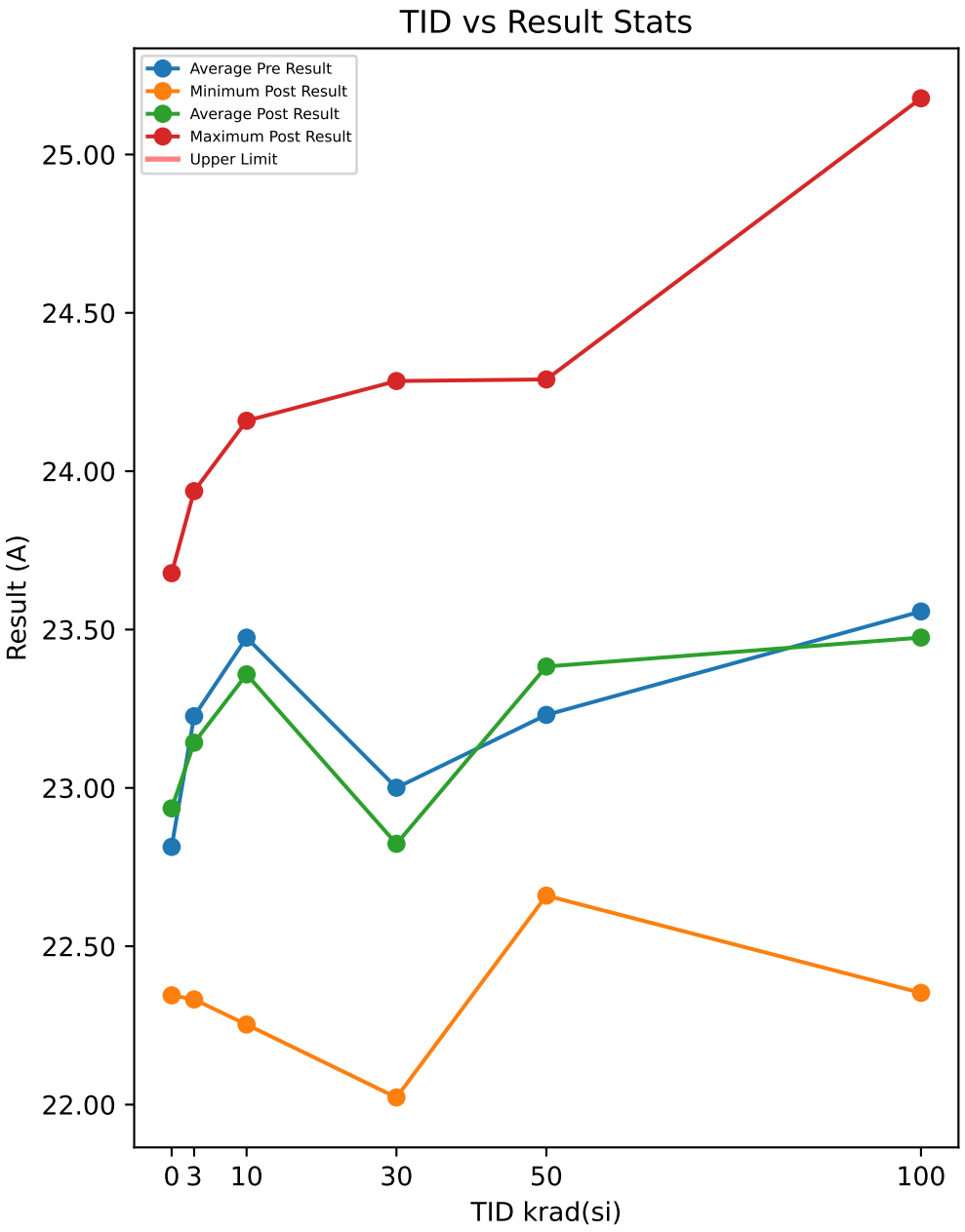
Test Results (No Limits Specified (A))

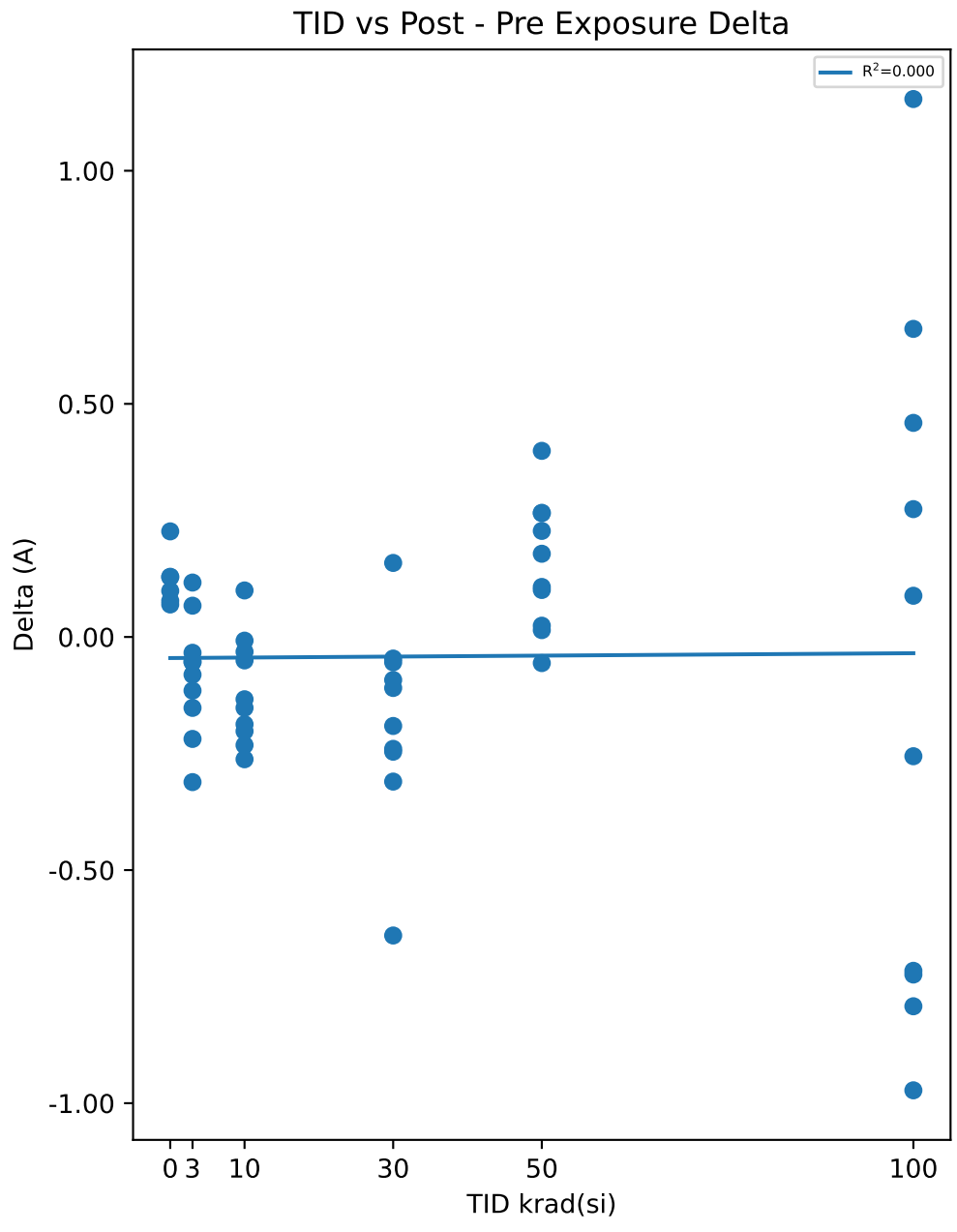
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	LDR Biased	15.993	16.098	0.1055
2	3	LDR Biased	16.602	16.486	-0.1159
3	3	LDR Biased	16.155	16.007	-0.1479
4	3	LDR Biased	17.157	17.087	-0.0705
5	3	LDR Biased	16.67	16.523	-0.1475
6	10	LDR Biased	15.948	15.949	0.0012
7	10	LDR Biased	17.145	17.095	-0.0494
8	10	LDR Biased	16.938	16.806	-0.1324
9	10	LDR Biased	16.808	16.662	-0.1463
10	10	LDR Biased	16.299	16.247	-0.052
11	30	LDR Biased	16.717	16.673	-0.0437
12	30	LDR Biased	16.67	16.464	-0.2057
13	30	LDR Biased	16.032	15.849	-0.1828
14	30	LDR Biased	16.082	15.885	-0.1966
15	30	LDR Biased	16.442	16.34	-0.1015
16	50	LDR Biased	16.019	16.233	0.2138
17	50	LDR Biased	16.71	16.725	0.0148
18	50	LDR Biased	16.738	16.918	0.18
19	50	LDR Biased	16.749	16.691	-0.0579
20	50	LDR Biased	15.995	16.183	0.1876
21	100	LDR Biased	16.818	17.143	0.3248
22	100	LDR Biased	17.437	16.717	-0.7205
23	100	LDR Biased	16.477	16.821	0.3432
24	100	LDR Biased	16.278	16.411	0.1331
25	100	LDR Biased	17.204	16.64	-0.5638
26	3	LDR Unbiased	15.787	15.995	0.208
27	3	LDR Unbiased	17.117	17.011	-0.107
28	3	LDR Unbiased	17.23	17.076	-0.1538
29	3	LDR Unbiased	15.806	15.8	-0.0057
30	3	LDR Unbiased	16.684	16.668	-0.0166
31	10	LDR Unbiased	17.219	17.197	-0.0215
32	10	LDR Unbiased	16.153	16.048	-0.1045
33	10	LDR Unbiased	16.638	16.776	0.1376
34	10	LDR Unbiased	16.709	16.832	0.1237
35	10	LDR Unbiased	17.217	17.129	-0.0877
36	30	LDR Unbiased	16.788	16.756	-0.0318
37	30	LDR Unbiased	16.189	15.86	-0.3287
38	30	LDR Unbiased	17.278	17.497	0.2195
39	30	LDR Unbiased	16.078	15.874	-0.2042
40	30	LDR Unbiased	16.45	16.405	-0.0449
41	50	LDR Unbiased	16.964	17.226	0.2623
42	50	LDR Unbiased	16.397	16.457	0.0599
43	50	LDR Unbiased	16.731	16.898	0.1665
44	50	LDR Unbiased	17.189	17.267	0.0777
45	50	LDR Unbiased	16.486	16.725	0.2391
46	100	LDR Unbiased	16.622	16.009	-0.613
47	100	LDR Unbiased	16.55	16.555	0.0053
48	100	LDR Unbiased	16.798	16.047	-0.7507
49	100	LDR Unbiased	17.233	18.007	0.7738
50	100	LDR Unbiased	16.942	17.279	0.337
60	0	Correlation	16.705	16.802	0.0967
61	0	Correlation	15.857	16.033	0.1758
62	0	Correlation	16.029	16.095	0.0654
63	0	Correlation	16.951	17.12	0.1692
64	0	Correlation	16.094	16.203	0.1094
65	0	Correlation	16.058	16.192	0.1342

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	15.857	16.282	16.951	0.4374	16.033	16.408	17.12	0.4449	0.0654	0.12512	0.1758	0.042931
3	15.787	16.52	17.23	0.55598	15.8	16.475	17.087	0.48404	-0.1538	-0.04514	0.208	0.12086
10	15.948	16.707	17.219	0.45109	15.949	16.674	17.197	0.44848	-0.1463	-0.03313	0.1376	0.097987
30	16.032	16.472	17.278	0.39883	15.849	16.36	17.497	0.53073	-0.3287	-0.11204	0.2195	0.14982
50	15.995	16.598	17.189	0.38117	16.183	16.732	17.267	0.36825	-0.0579	0.13438	0.2623	0.10521
100	16.278	16.836	17.437	0.37059	16.009	16.763	18.007	0.59879	-0.7507	-0.07308	0.7738	0.54531

Device Test: 20.77 _THRESHOLD|RISE/SW/12////@HIGHSIDE_CURR_LIM2_19A





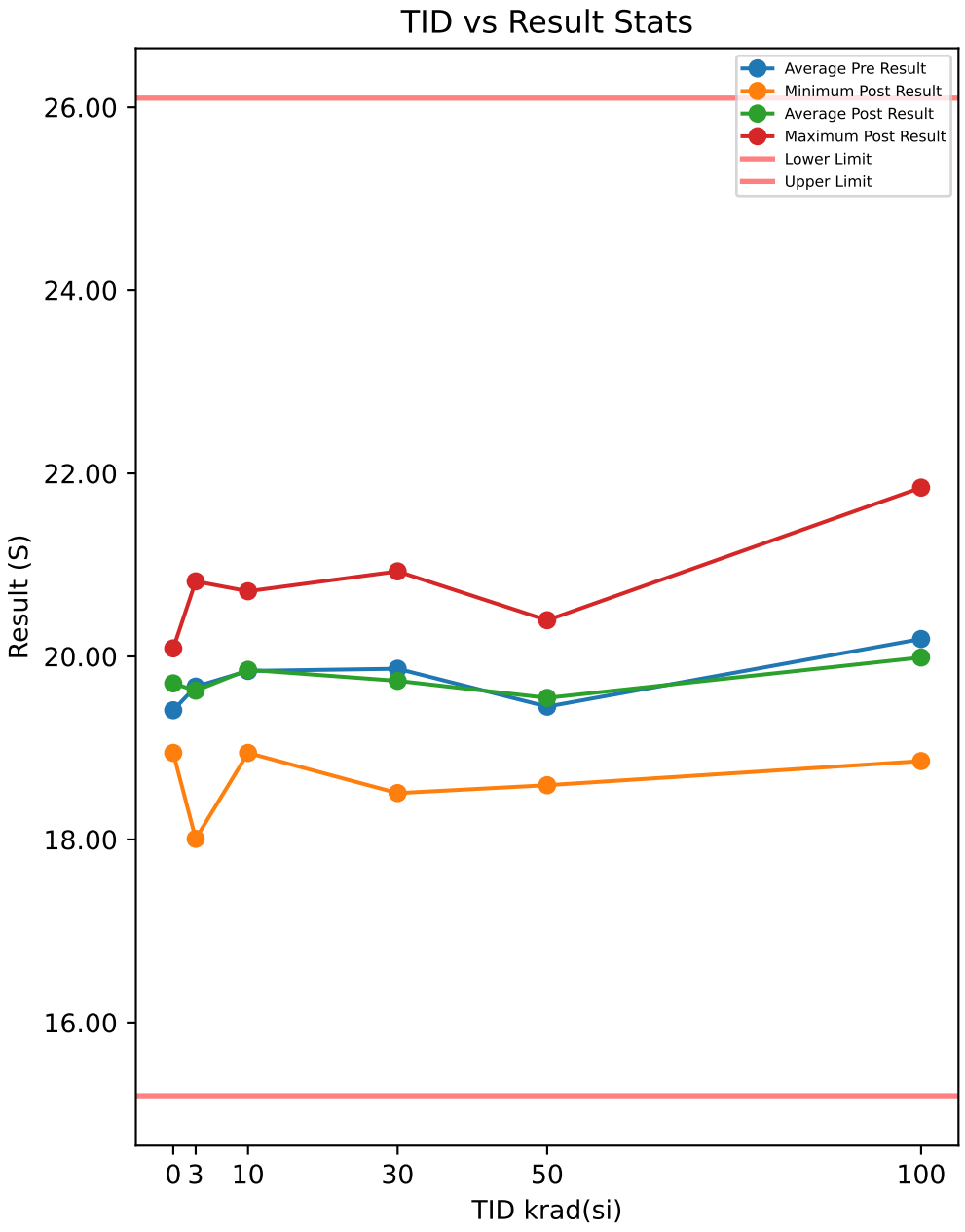
Test Results (No Limits Specified (A))

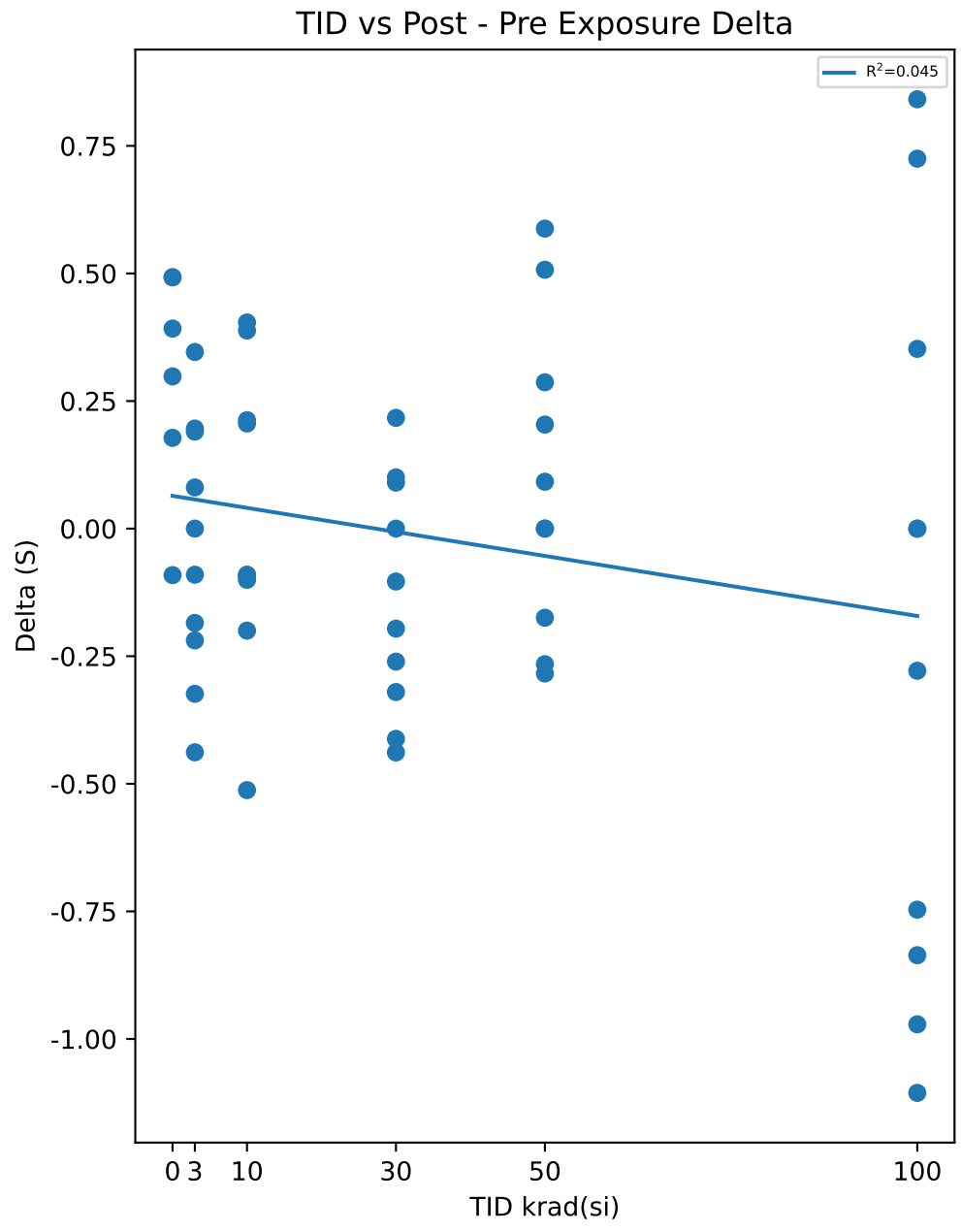
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	LDR Biased	22.57	22.687	0.1167
2	3	LDR Biased	23.375	23.064	-0.3113
3	3	LDR Biased	22.841	22.689	-0.1521
4	3	LDR Biased	23.907	23.873	-0.0339
5	3	LDR Biased	23.293	23.074	-0.2187
6	10	LDR Biased	22.285	22.253	-0.0317
7	10	LDR Biased	24.176	24.126	-0.0503
8	10	LDR Biased	23.605	23.403	-0.2021
9	10	LDR Biased	23.547	23.284	-0.2623
10	10	LDR Biased	22.941	22.709	-0.232
11	30	LDR Biased	23.4	23.09	-0.3102
12	30	LDR Biased	23.18	23.088	-0.0922
13	30	LDR Biased	22.521	22.275	-0.2461
14	30	LDR Biased	22.704	22.464	-0.24
15	30	LDR Biased	22.93	22.821	-0.1094
16	50	LDR Biased	22.432	22.66	0.2275
17	50	LDR Biased	23.567	23.511	-0.056
18	50	LDR Biased	23.285	23.464	0.1785
19	50	LDR Biased	23.268	23.369	0.1008
20	50	LDR Biased	22.577	22.843	0.2662
21	100	LDR Biased	23.611	24.071	0.4592
22	100	LDR Biased	24.093	23.377	-0.7161
23	100	LDR Biased	23.149	23.81	0.6608
24	100	LDR Biased	23.027	23.115	0.0884
25	100	LDR Biased	23.91	23.186	-0.724
26	3	LDR Unbiased	22.503	22.571	0.0671
27	3	LDR Unbiased	23.974	23.921	-0.0531
28	3	LDR Unbiased	24.052	23.937	-0.1151
29	3	LDR Unbiased	22.386	22.332	-0.0539
30	3	LDR Unbiased	23.362	23.281	-0.0809
31	10	LDR Unbiased	24.293	24.159	-0.1336
32	10	LDR Unbiased	22.845	22.658	-0.1873
33	10	LDR Unbiased	23.327	23.427	0.0998
34	10	LDR Unbiased	23.651	23.643	-0.0079
35	10	LDR Unbiased	24.075	23.923	-0.152
36	30	LDR Unbiased	23.428	23.382	-0.0463
37	30	LDR Unbiased	22.672	22.032	-0.6403
38	30	LDR Unbiased	24.126	24.285	0.1588
39	30	LDR Unbiased	22.213	22.023	-0.1909
40	30	LDR Unbiased	22.83	22.776	-0.0544
41	50	LDR Unbiased	23.788	24.188	0.3992
42	50	LDR Unbiased	22.681	22.695	0.0147
43	50	LDR Unbiased	23.454	23.479	0.0242
44	50	LDR Unbiased	24.183	24.29	0.1073
45	50	LDR Unbiased	23.07	23.335	0.2657
46	100	LDR Unbiased	23.332	22.54	-0.7921
47	100	LDR Unbiased	23.248	22.992	-0.2558
48	100	LDR Unbiased	23.325	22.353	-0.9724
49	100	LDR Unbiased	24.024	25.177	1.1538
50	100	LDR Unbiased	23.852	24.126	0.2742
60	0	Correlation	23.6	23.678	0.0776
61	0	Correlation	22.217	22.444	0.2265
62	0	Correlation	22.216	22.345	0.129
63	0	Correlation	23.493	23.621	0.1286
64	0	Correlation	22.842	22.941	0.0989
65	0	Correlation	22.514	22.584	0.0697

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	22.216	22.814	23.6	0.61378	22.345	22.935	23.678	0.58923	0.0697	0.12172	0.2265	0.057013
3	22.386	23.226	24.052	0.62868	22.332	23.143	23.937	0.59613	-0.3113	-0.08352	0.1167	0.12601
10	22.285	23.474	24.293	0.64071	22.253	23.359	24.159	0.64785	-0.2623	-0.11594	0.0998	0.11481
30	22.213	23.001	24.126	0.54979	22.023	22.823	24.285	0.69026	-0.6403	-0.1771	0.1588	0.21028
50	22.432	23.231	24.183	0.5555	22.66	23.383	24.29	0.55689	-0.056	0.15281	0.3992	0.14006
100	23.027	23.557	24.093	0.38968	22.353	23.475	25.177	0.84196	-0.9724	-0.0824	1.1538	0.72028

Device Test: 20.78 _GMPS|STATIC/SW/12////@EA_COMP_ISWITCH_GM_19A_25C





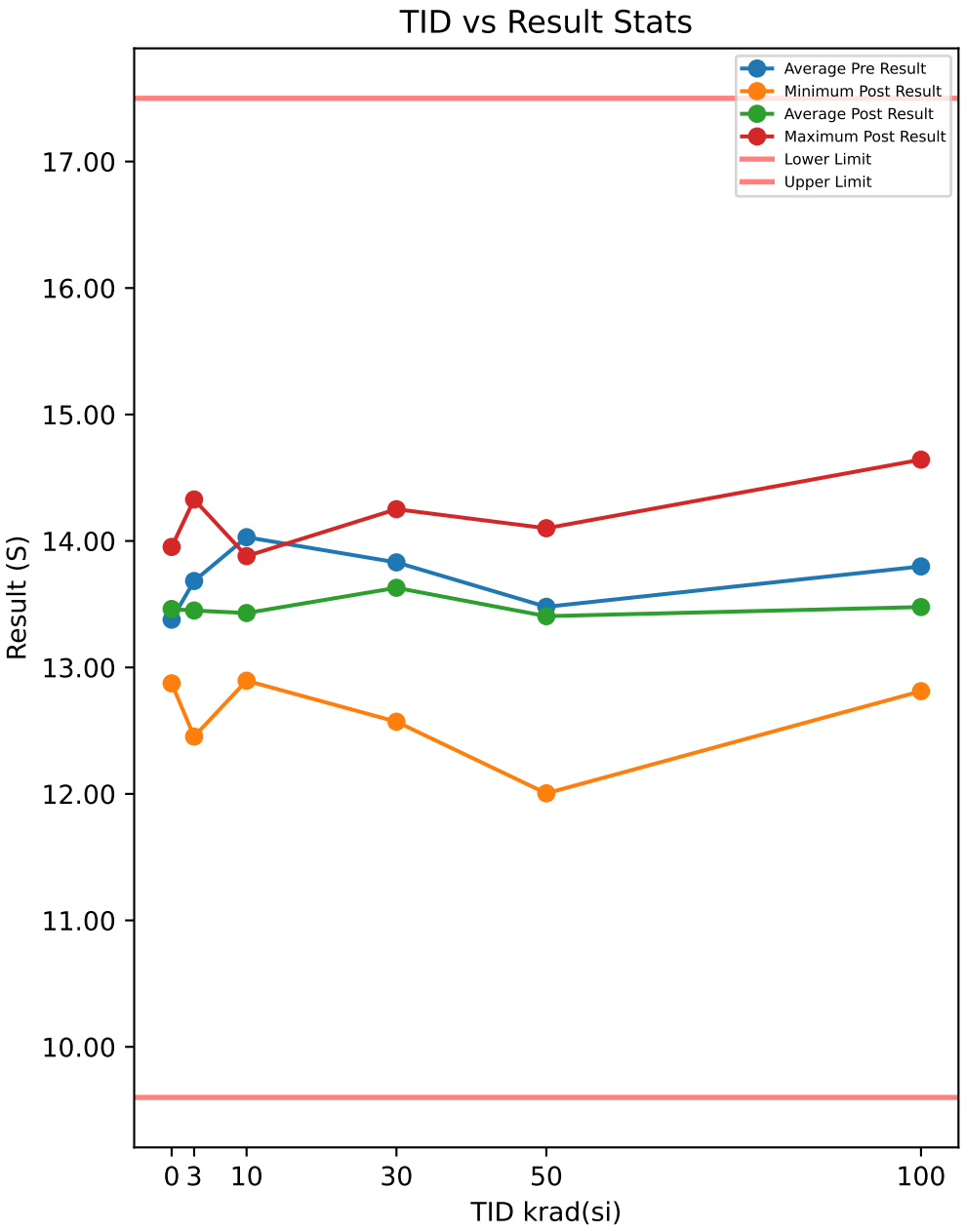
Test Results (Lower Limit = 15.2, Upper Limit = 26.1 (S))

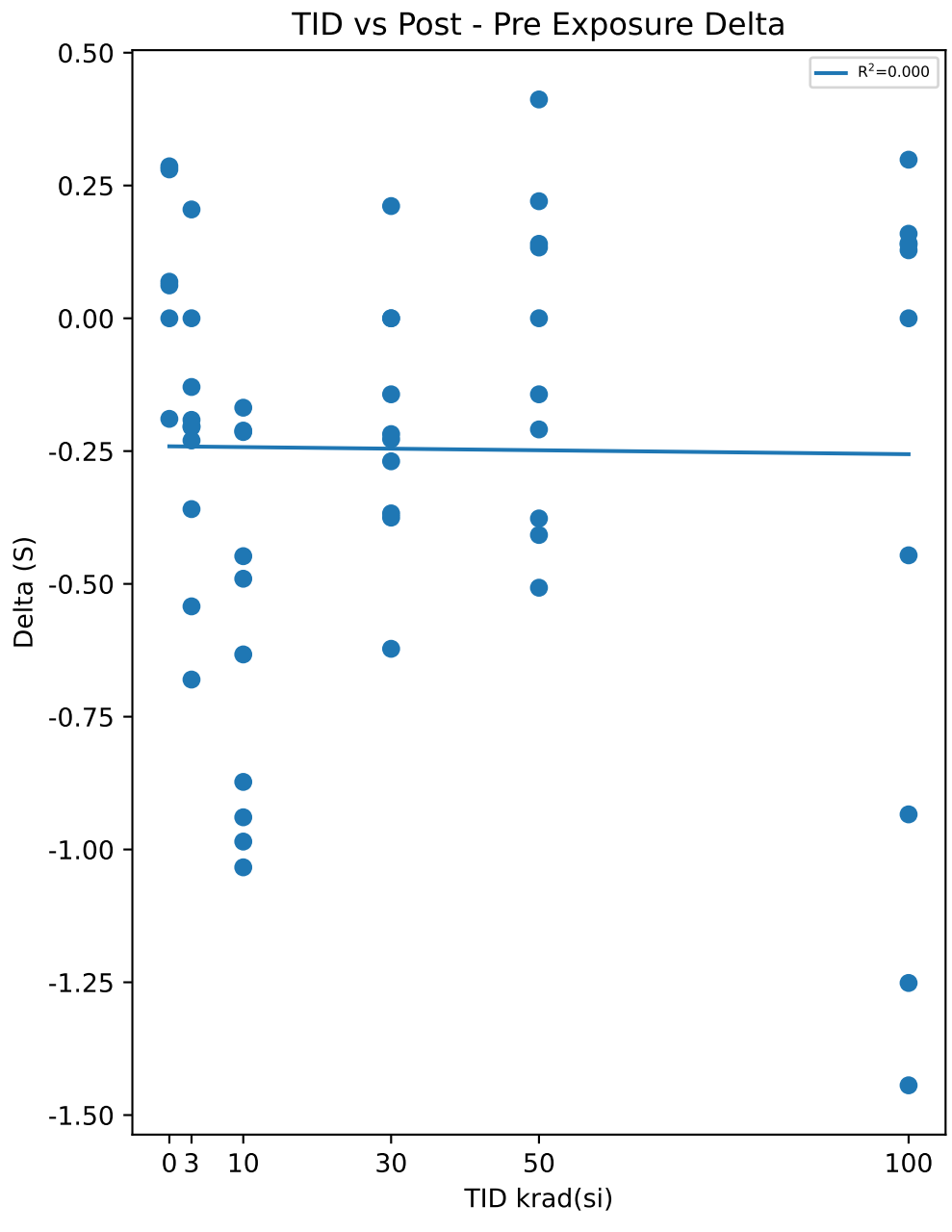
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	LDR Biased	19.692	19.888	0.1961
2	3	LDR Biased	19.312	19.127	-0.1848
3	3	LDR Biased	20.929	20.606	-0.3237
4	3	LDR Biased	21.151	20.712	-0.4383
5	3	LDR Biased	21.039	20.82	-0.219
6	10	LDR Biased	20.5	19.988	-0.5124
7	10	LDR Biased	19.888	20.292	0.4039
8	10	LDR Biased	20.088	19.888	-0.1999
9	10	LDR Biased	19.127	19.036	-0.091
10	10	LDR Biased	20.5	20.712	0.2125
11	30	LDR Biased	18.768	18.507	-0.2606
12	30	LDR Biased	20.395	20.292	-0.1036
13	30	LDR Biased	20.82	20.5	-0.3202
14	30	LDR Biased	20.712	20.929	0.217
15	30	LDR Biased	19.888	19.692	-0.196
16	50	LDR Biased	19.888	19.888	0.0001
17	50	LDR Biased	19.596	19.312	-0.2839
18	50	LDR Biased	19.127	19.219	0.0919
19	50	LDR Biased	18.768	18.593	-0.1746
20	50	LDR Biased	19.5	20.088	0.5879
21	100	LDR Biased	19.888	19.888	-0.0001
22	100	LDR Biased	19.692	18.945	-0.7466
23	100	LDR Biased	21.492	21.844	0.3522
24	100	LDR Biased	19.79	19.79	0
25	100	LDR Biased	21.263	20.292	-0.9713
26	3	LDR Unbiased	19.036	18.945	-0.0903
27	3	LDR Unbiased	18.422	18.768	0.3461
28	3	LDR Unbiased	19.405	19.596	0.1901
29	3	LDR Unbiased	17.926	18.007	0.0807
30	3	LDR Unbiased	19.79	19.79	0
31	10	LDR Unbiased	20.088	19.988	-0.1004
32	10	LDR Unbiased	19.5	19.888	0.3882
33	10	LDR Unbiased	19.036	18.945	-0.0903
34	10	LDR Unbiased	19.5	19.405	-0.0947
35	10	LDR Unbiased	20.189	20.395	0.206
36	30	LDR Unbiased	18.945	19.036	0.0902
37	30	LDR Unbiased	20.5	20.088	-0.412
38	30	LDR Unbiased	19.988	20.088	0.1004
39	30	LDR Unbiased	18.945	18.507	-0.4386
40	30	LDR Unbiased	19.692	19.692	0
41	50	LDR Unbiased	19.888	20.395	0.5073
42	50	LDR Unbiased	19.405	19.692	0.2867
43	50	LDR Unbiased	18.945	18.68	-0.2657
44	50	LDR Unbiased	20.088	20.292	0.2039
45	50	LDR Unbiased	19.312	19.312	0
46	100	LDR Unbiased	19.405	19.127	-0.2785
47	100	LDR Unbiased	19.692	18.856	-0.8359
48	100	LDR Unbiased	20.606	19.5	-1.1057
49	100	LDR Unbiased	20.088	20.929	0.8413
50	100	LDR Unbiased	19.988	20.712	0.7249
60	0	Correlation	19.596	20.088	0.4925
61	0	Correlation	19.596	20.088	0.4925
62	0	Correlation	19.596	19.988	0.392
63	0	Correlation	19.79	20.088	0.2983
64	0	Correlation	18.768	18.945	0.1779
65	0	Correlation	19.127	19.036	-0.0911

Test Statistics (S)

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	18.768	19.412	19.79	0.38476	18.945	19.705	20.088	0.55581	-0.0911	0.29368	0.4925	0.2237
3	17.926	19.67	21.151	1.0989	18.007	19.626	20.82	0.927	-0.4383	-0.04431	0.3461	0.25131
10	19.036	19.842	20.5	0.52756	18.945	19.854	20.712	0.57309	-0.5124	0.01219	0.4039	0.28634
30	18.768	19.865	20.82	0.76418	18.507	19.733	20.929	0.82192	-0.4386	-0.13234	0.217	0.22898
50	18.768	19.452	20.088	0.4295	18.593	19.547	20.395	0.63117	-0.2839	0.09536	0.5879	0.30294
100	19.405	20.19	21.492	0.70192	18.856	19.988	21.844	0.96297	-1.1057	-0.20197	0.8413	0.7031

Device Test: 20.79 _GMPS|STATIC/SW/12////@EA_COMP_ISWITCH_GM_13A_25C





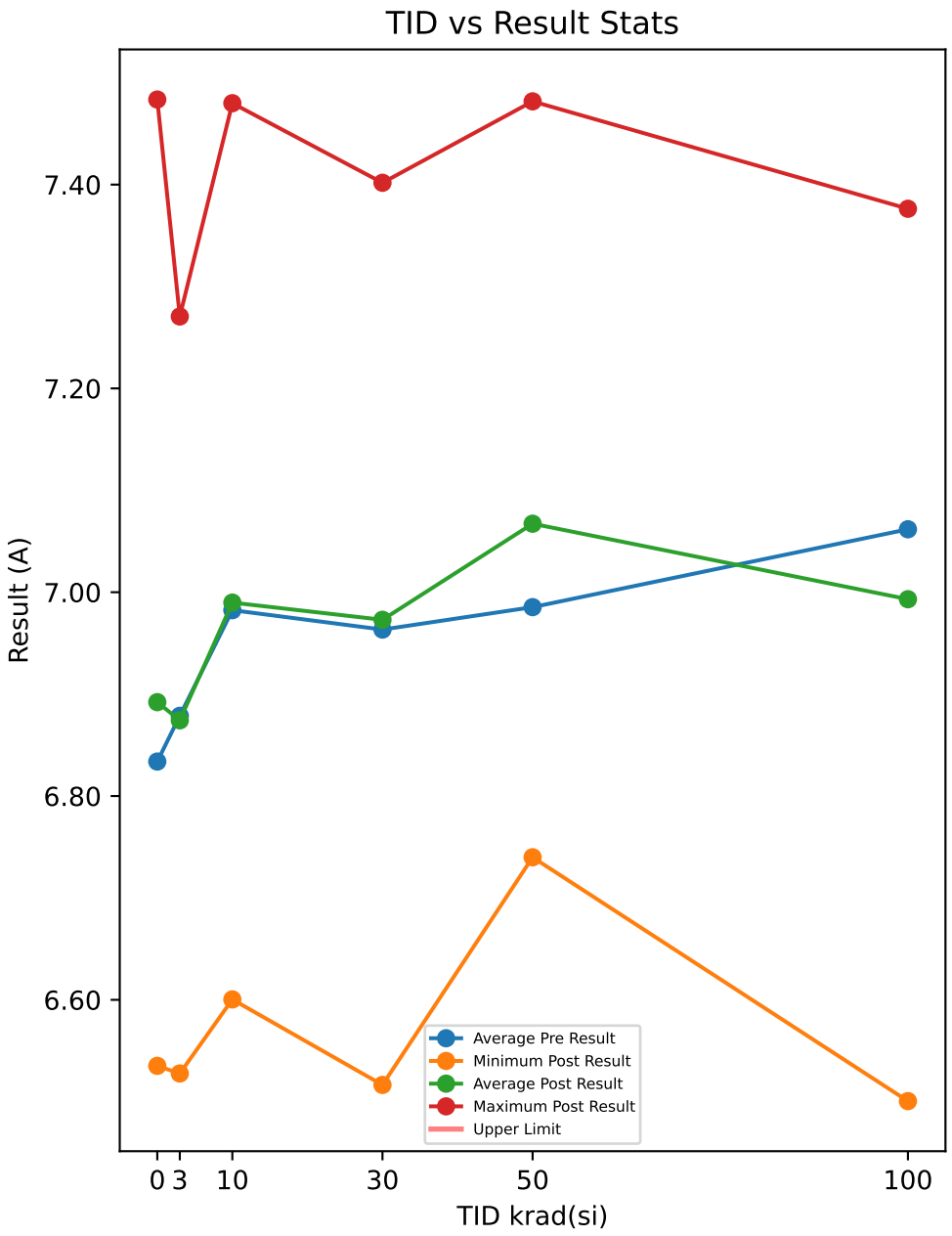
Test Results (Lower Limit = 9.6, Upper Limit = 17.5 (S))

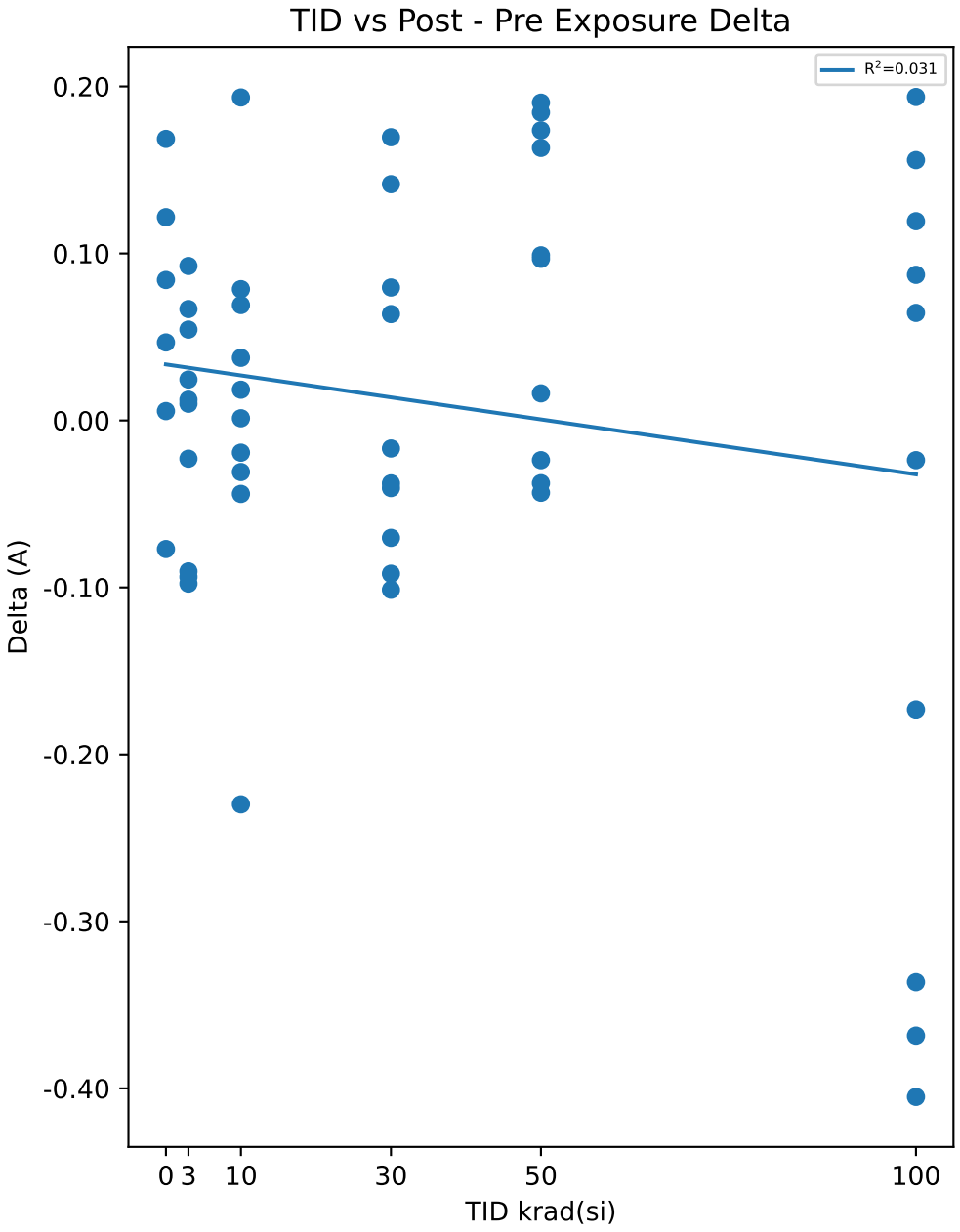
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	LDR Biased	13.193	13.064	-0.1293
2	3	LDR Biased	13.808	13.128	-0.6801
3	3	LDR Biased	14.643	14.101	-0.5423
4	3	LDR Biased	14.328	14.328	0.0001
5	3	LDR Biased	14.405	14.175	-0.23
6	10	LDR Biased	14.724	13.69	-1.0336
7	10	LDR Biased	14.328	13.88	-0.4478
8	10	LDR Biased	13.88	12.895	-0.9851
9	10	LDR Biased	13.597	13.107	-0.4903
10	10	LDR Biased	14.724	13.784	-0.9394
11	30	LDR Biased	13.193	12.571	-0.6222
12	30	LDR Biased	14.176	13.808	-0.3673
13	30	LDR Biased	14.251	14.251	0
14	30	LDR Biased	14.328	14.101	-0.2275
15	30	LDR Biased	13.88	13.737	-0.1431
16	50	LDR Biased	13.88	13.737	-0.1431
17	50	LDR Biased	13.597	13.737	0.1402
18	50	LDR Biased	13.667	13.259	-0.4079
19	50	LDR Biased	13.128	12.751	-0.3768
20	50	LDR Biased	13.325	13.737	0.412
21	100	LDR Biased	13.528	13.667	0.1386
22	100	LDR Biased	13.808	12.874	-0.9339
23	100	LDR Biased	14.484	14.643	0.1592
24	100	LDR Biased	13	13.128	0.1281
25	100	LDR Biased	14.972	13.528	-1.444
26	3	LDR Unbiased	13.392	13.597	0.2049
27	3	LDR Unbiased	13.128	12.937	-0.1912
28	3	LDR Unbiased	13.597	13.392	-0.2049
29	3	LDR Unbiased	12.812	12.453	-0.3592
30	3	LDR Unbiased	13.528	13.325	-0.2029
31	10	LDR Unbiased	14.563	13.69	-0.8728
32	10	LDR Unbiased	13.808	13.597	-0.2114
33	10	LDR Unbiased	13.193	12.979	-0.2141
34	10	LDR Unbiased	13.528	12.895	-0.6328
35	10	LDR Unbiased	13.953	13.784	-0.1683
36	30	LDR Unbiased	13.528	13.259	-0.2692
37	30	LDR Unbiased	14.328	13.953	-0.3752
38	30	LDR Unbiased	14.026	13.808	-0.218
39	30	LDR Unbiased	13	13	0
40	30	LDR Unbiased	13.597	13.808	0.2113
41	50	LDR Unbiased	13.808	13.808	0.0001
42	50	LDR Unbiased	13.737	13.528	-0.2092
43	50	LDR Unbiased	12.512	12.005	-0.5072
44	50	LDR Unbiased	13.88	14.101	0.2204
45	50	LDR Unbiased	13.259	13.392	0.1333
46	100	LDR Unbiased	13.259	12.812	-0.4462
47	100	LDR Unbiased	13.064	13.064	0
48	100	LDR Unbiased	14.251	13	-1.2513
49	100	LDR Unbiased	13.953	14.251	0.2986
50	100	LDR Unbiased	13.667	13.808	0.1415
60	0	Correlation	13.667	13.667	0
61	0	Correlation	13.528	13.808	0.2803
62	0	Correlation	13.528	13.597	0.0689
63	0	Correlation	13.667	13.953	0.2861
64	0	Correlation	13.064	12.874	-0.1893
65	0	Correlation	12.812	12.874	0.0619

Test Statistics (S)

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	12.812	13.378	13.667	0.35502	12.874	13.462	13.953	0.47145	-0.1893	0.08465	0.2861	0.17991
3	12.812	13.683	14.643	0.60523	12.453	13.45	14.328	0.60281	-0.6801	-0.23349	0.2049	0.25206
10	13.193	14.03	14.724	0.53264	12.895	13.43	13.88	0.40791	-1.0336	-0.59956	-0.1683	0.34132
30	13	13.831	14.328	0.48008	12.571	13.63	14.251	0.52441	-0.6222	-0.20112	0.2113	0.23457
50	12.512	13.479	13.88	0.43168	12.005	13.405	14.101	0.6149	-0.5072	-0.07382	0.412	0.30388
100	13	13.799	14.972	0.63552	12.812	13.478	14.643	0.61752	-1.444	-0.32094	0.2986	0.65509

Device Test: 20.8 _THRESHOLD|RISE/SW/4.5////@HIGHSIDE_CURR_LIM2_6A





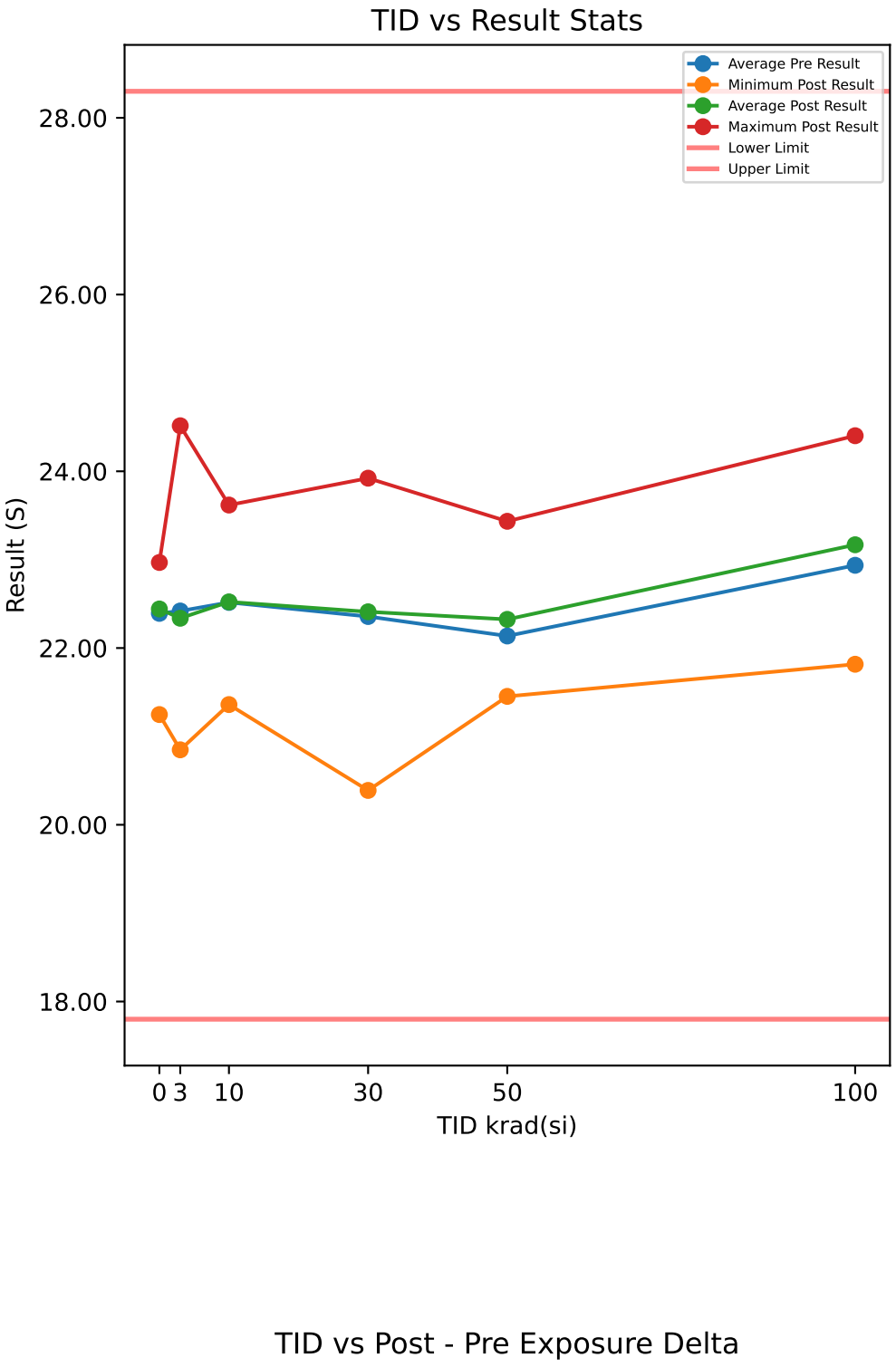
Test Results (No Limits Specified (A))

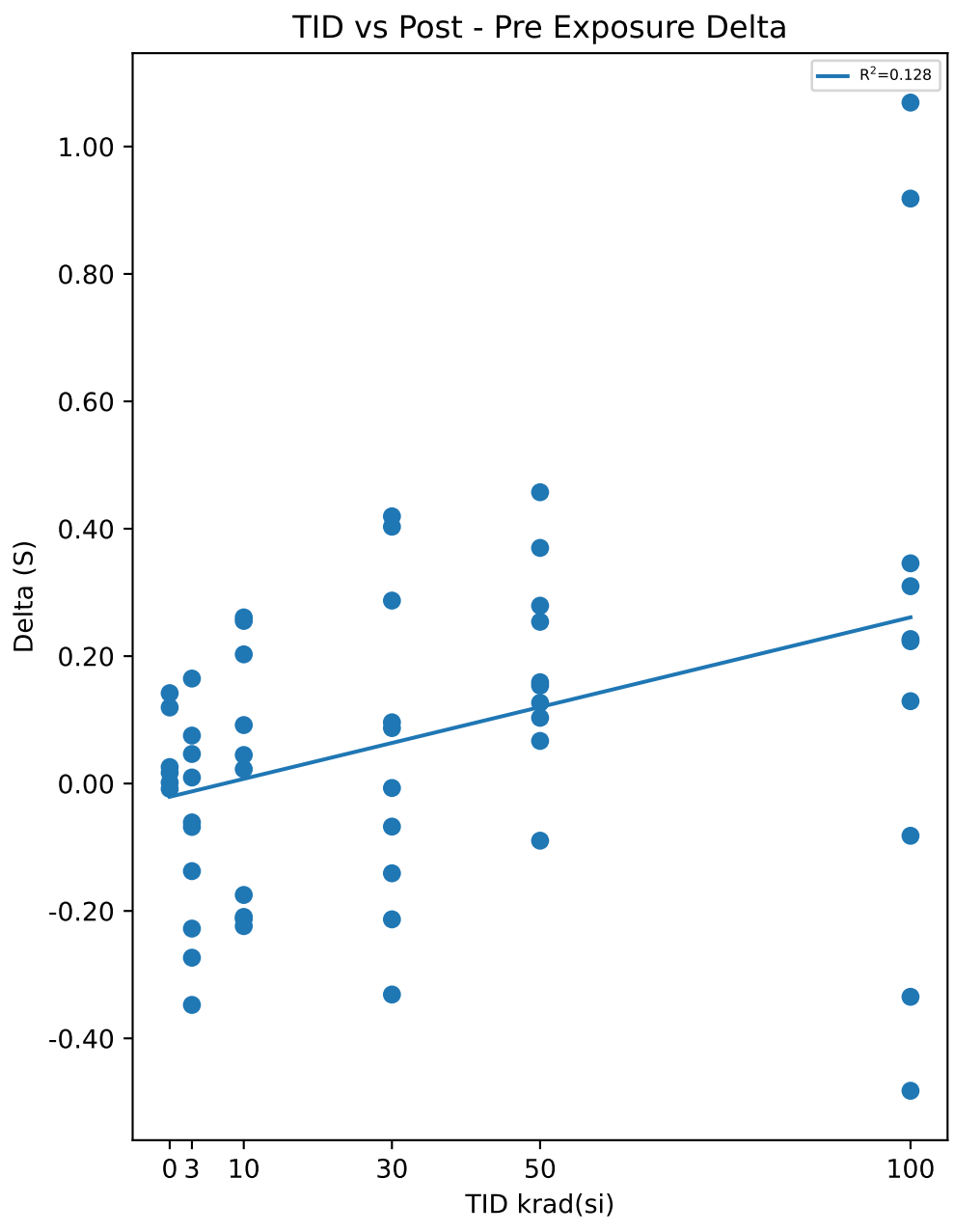
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	LDR Biased	6.4992	6.5536	0.0544
2	3	LDR Biased	6.9831	6.8894	-0.0937
3	3	LDR Biased	6.4953	6.562	0.0667
4	3	LDR Biased	7.2461	7.2706	0.0245
5	3	LDR Biased	7.2056	7.1152	-0.0904
6	10	LDR Biased	6.6313	6.6004	-0.0309
7	10	LDR Biased	7.2388	7.2572	0.0184
8	10	LDR Biased	7.3276	7.0977	-0.2299
9	10	LDR Biased	6.8787	6.9162	0.0375
10	10	LDR Biased	6.818	6.8193	0.0013
11	30	LDR Biased	7.2565	7.3202	0.0637
12	30	LDR Biased	6.9249	6.8872	-0.0377
13	30	LDR Biased	6.5932	6.5229	-0.0703
14	30	LDR Biased	6.5333	6.5165	-0.0168
15	30	LDR Biased	7.1135	7.073	-0.0405
16	50	LDR Biased	6.7237	6.7399	0.0162
17	50	LDR Biased	6.8901	6.8663	-0.0238
18	50	LDR Biased	7.3849	7.4817	0.0968
19	50	LDR Biased	7.0336	6.9903	-0.0433
20	50	LDR Biased	6.5706	6.7443	0.1737
21	100	LDR Biased	6.9597	7.1156	0.1559
22	100	LDR Biased	7.7814	7.3763	-0.4051
23	100	LDR Biased	6.4681	6.5874	0.1193
24	100	LDR Biased	6.5445	6.5207	-0.0238
25	100	LDR Biased	7.3743	7.0059	-0.3684
26	3	LDR Unbiased	6.5153	6.5277	0.0124
27	3	LDR Unbiased	7.0554	7.1479	0.0925
28	3	LDR Unbiased	7.2442	7.1465	-0.0977
29	3	LDR Unbiased	6.5228	6.5328	0.01
30	3	LDR Unbiased	7.02	6.9971	-0.0229
31	10	LDR Unbiased	7.0219	7.0026	-0.0193
32	10	LDR Unbiased	6.7126	6.6686	-0.044
33	10	LDR Unbiased	6.8964	7.0898	0.1934
34	10	LDR Unbiased	6.8973	6.9664	0.0691
35	10	LDR Unbiased	7.4013	7.4799	0.0786
36	30	LDR Unbiased	7.072	7.1516	0.0796
37	30	LDR Unbiased	6.8195	6.7277	-0.0918
38	30	LDR Unbiased	7.2603	7.4018	0.1415
39	30	LDR Unbiased	7.0801	6.9787	-0.1014
40	30	LDR Unbiased	6.9802	7.1498	0.1696
41	50	LDR Unbiased	7.1231	7.2863	0.1632
42	50	LDR Unbiased	7.049	7.1479	0.0989
43	50	LDR Unbiased	6.9996	7.184	0.1844
44	50	LDR Unbiased	7.2477	7.2101	-0.0376
45	50	LDR Unbiased	6.8313	7.0216	0.1903
46	100	LDR Unbiased	6.837	6.5006	-0.3364
47	100	LDR Unbiased	7.1083	7.1955	0.0872
48	100	LDR Unbiased	7.2206	7.0475	-0.1731
49	100	LDR Unbiased	7.2545	7.3189	0.0644
50	100	LDR Unbiased	7.0693	7.263	0.1937
60	0	Correlation	6.8015	6.8856	0.0841
61	0	Correlation	6.6391	6.6858	0.0467
62	0	Correlation	6.8243	6.9929	0.1686
63	0	Correlation	7.3618	7.4835	0.1217
64	0	Correlation	6.5296	6.5352	0.0056
65	0	Correlation	6.8467	6.7697	-0.077

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	6.5296	6.8338	7.3618	0.28654	6.5352	6.8921	7.4835	0.33011	-0.077	0.058283	0.1686	0.087257
3	6.4953	6.8787	7.2461	0.3312	6.5277	6.8743	7.2706	0.3012	-0.0977	-0.00442	0.0925	0.069638
10	6.6313	6.9824	7.4013	0.26043	6.6004	6.9898	7.4799	0.26317	-0.2299	0.00742	0.1934	0.10836
30	6.5333	6.9634	7.2603	0.25089	6.5165	6.9729	7.4018	0.30842	-0.1014	0.00959	0.1696	0.097329
50	6.5706	6.9854	7.3849	0.24205	6.7399	7.0672	7.4817	0.2404	-0.0433	0.08188	0.1903	0.096176
100	6.4681	7.0618	7.7814	0.38889	6.5006	6.9931	7.3763	0.33586	-0.4051	-0.06863	0.1937	0.23195

Device Test: 20.84 _GMPS|STATIC/SW/12////@EA_COMP_ISWITCH_GM_0P5V_19A





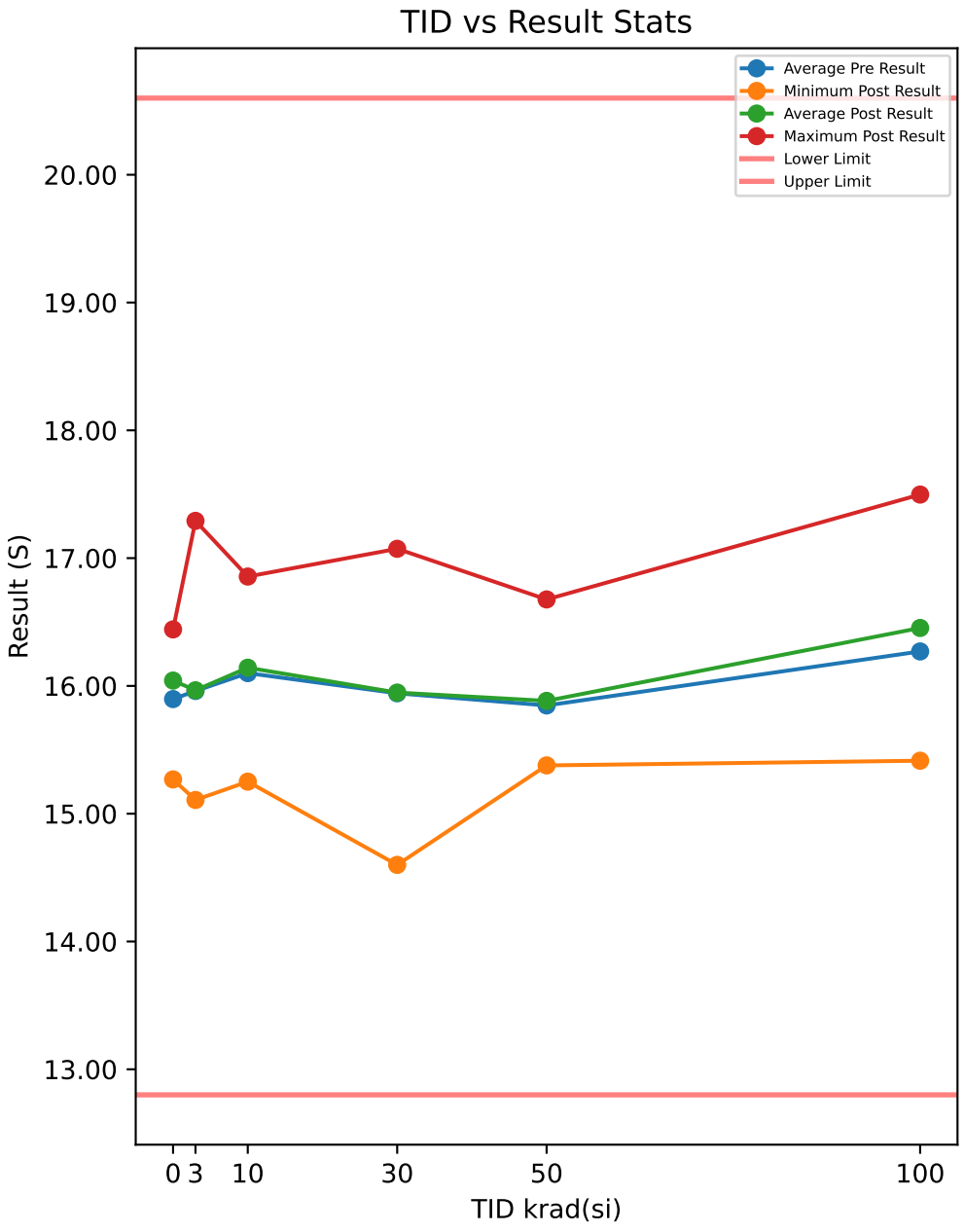
Test Results (Lower Limit = 17.8, Upper Limit = 28.3 (S))

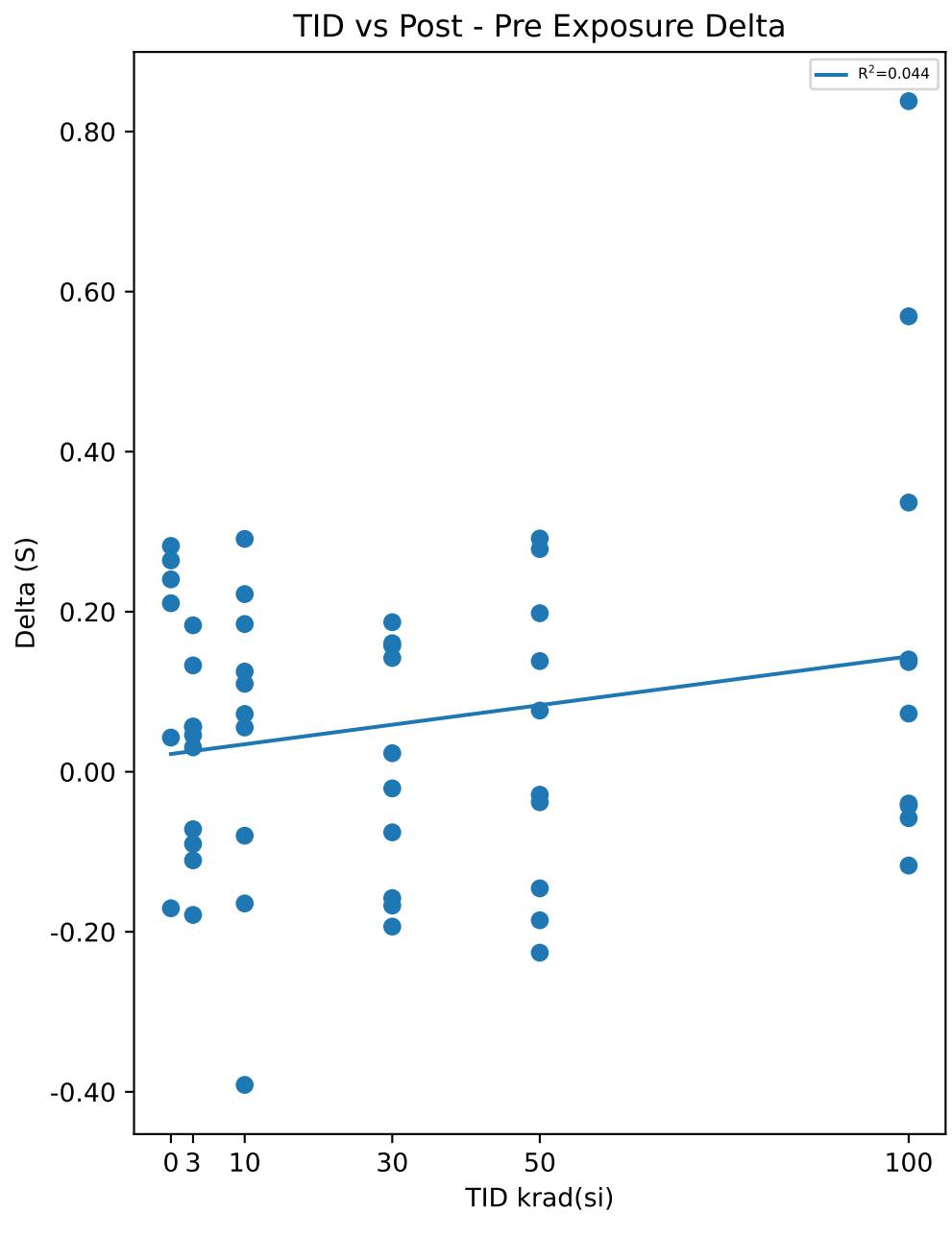
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	LDR Biased	22.767	22.706	-0.061
2	3	LDR Biased	21.871	21.643	-0.2277
3	3	LDR Biased	24.44	24.515	0.0753
4	3	LDR Biased	23.599	23.764	0.1648
5	3	LDR Biased	22.491	22.144	-0.3475
6	10	LDR Biased	22.669	22.494	-0.1749
7	10	LDR Biased	22.792	22.58	-0.2125
8	10	LDR Biased	23.128	22.905	-0.2238
9	10	LDR Biased	21.824	22.027	0.2028
10	10	LDR Biased	23.596	23.618	0.0226
11	30	LDR Biased	21.534	21.393	-0.1409
12	30	LDR Biased	23.454	23.874	0.4195
13	30	LDR Biased	23.044	22.977	-0.0676
14	30	LDR Biased	23.929	23.922	-0.007
15	30	LDR Biased	21.653	21.74	0.0871
16	50	LDR Biased	22.643	22.747	0.1032
17	50	LDR Biased	21.855	22.134	0.2792
18	50	LDR Biased	22.144	22.054	-0.0897
19	50	LDR Biased	21.299	21.453	0.1537
20	50	LDR Biased	22.638	23.095	0.4573
21	100	LDR Biased	22.694	22.918	0.2234
22	100	LDR Biased	21.898	21.817	-0.082
23	100	LDR Biased	23.334	24.402	1.069
24	100	LDR Biased	22.655	22.965	0.3098
25	100	LDR Biased	24.722	24.387	-0.3348
26	3	LDR Unbiased	22.374	22.236	-0.1375
27	3	LDR Unbiased	20.802	20.848	0.0464
28	3	LDR Unbiased	21.794	21.803	0.0095
29	3	LDR Unbiased	21.175	20.901	-0.2734
30	3	LDR Unbiased	22.878	22.81	-0.0681
31	10	LDR Unbiased	22.199	22.46	0.2608
32	10	LDR Unbiased	22.454	22.71	0.2553
33	10	LDR Unbiased	21.268	21.36	0.0918
34	10	LDR Unbiased	22.897	22.688	-0.2094
35	10	LDR Unbiased	22.335	22.38	0.0448
36	30	LDR Unbiased	21.662	22.065	0.4032
37	30	LDR Unbiased	22.773	22.56	-0.2132
38	30	LDR Unbiased	22.809	22.905	0.0961
39	30	LDR Unbiased	20.72	20.389	-0.3312
40	30	LDR Unbiased	21.99	22.277	0.2872
41	50	LDR Unbiased	23.308	23.434	0.1267
42	50	LDR Unbiased	22.065	22.435	0.3699
43	50	LDR Unbiased	21.836	21.995	0.1591
44	50	LDR Unbiased	22.221	22.288	0.0669
45	50	LDR Unbiased	21.355	21.609	0.2539
46	100	LDR Unbiased	22.119	22.345	0.2268
47	100	LDR Unbiased	22.407	22.536	0.1293
48	100	LDR Unbiased	23.787	23.304	-0.4823
49	100	LDR Unbiased	22.984	23.903	0.9183
50	100	LDR Unbiased	22.763	23.109	0.3457
60	0	Correlation	22.377	22.403	0.0259
61	0	Correlation	22.951	22.968	0.017
62	0	Correlation	22.436	22.578	0.1419
63	0	Correlation	22.606	22.725	0.1194
64	0	Correlation	21.245	21.247	0.0017
65	0	Correlation	22.738	22.73	-0.0083

Test Statistics (S)

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	21.245	22.392	22.951	0.59918	21.247	22.442	22.968	0.61444	-0.0083	0.0496	0.1419	0.064285
3	20.802	22.419	24.44	1.0889	20.848	22.337	24.515	1.1658	-0.3475	-0.08192	0.1648	0.16417
10	21.268	22.516	23.596	0.66314	21.36	22.522	23.618	0.58058	-0.2238	0.00575	0.2608	0.1985
30	20.72	22.357	23.929	0.99982	20.389	22.41	23.922	1.0915	-0.3312	0.05332	0.4195	0.25583
50	21.299	22.136	23.308	0.61215	21.453	22.324	23.434	0.62415	-0.0897	0.18802	0.4573	0.15741
100	21.898	22.936	24.722	0.83445	21.817	23.169	24.402	0.85502	-0.4823	0.23232	1.069	0.48663

Device Test: 20.85 _GMPS|STATIC/SW/12////@EA_COMP_ISWITCH_GM_0P5V_13A





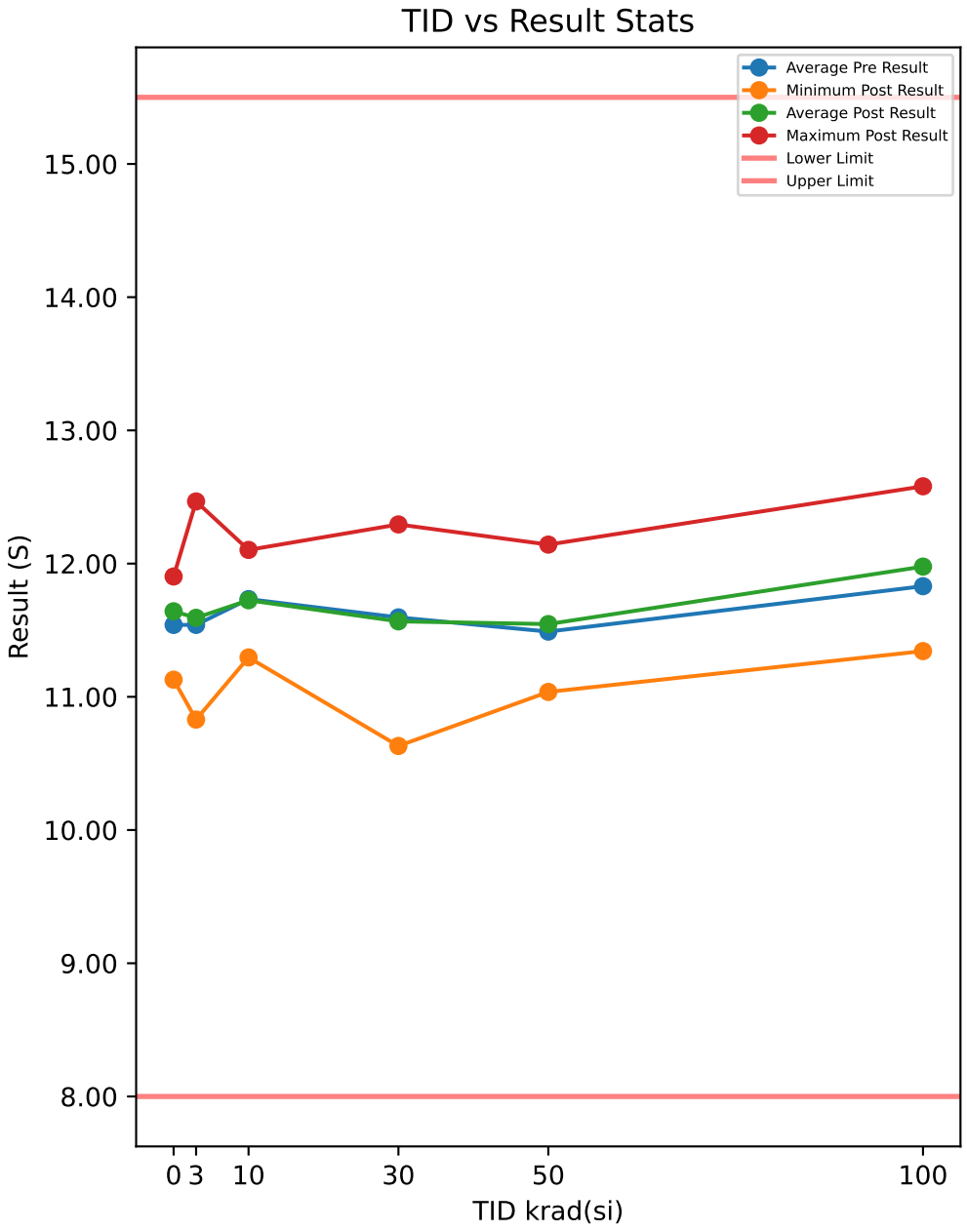
Test Results (Lower Limit = 12.8, Upper Limit = 20.6 (S))

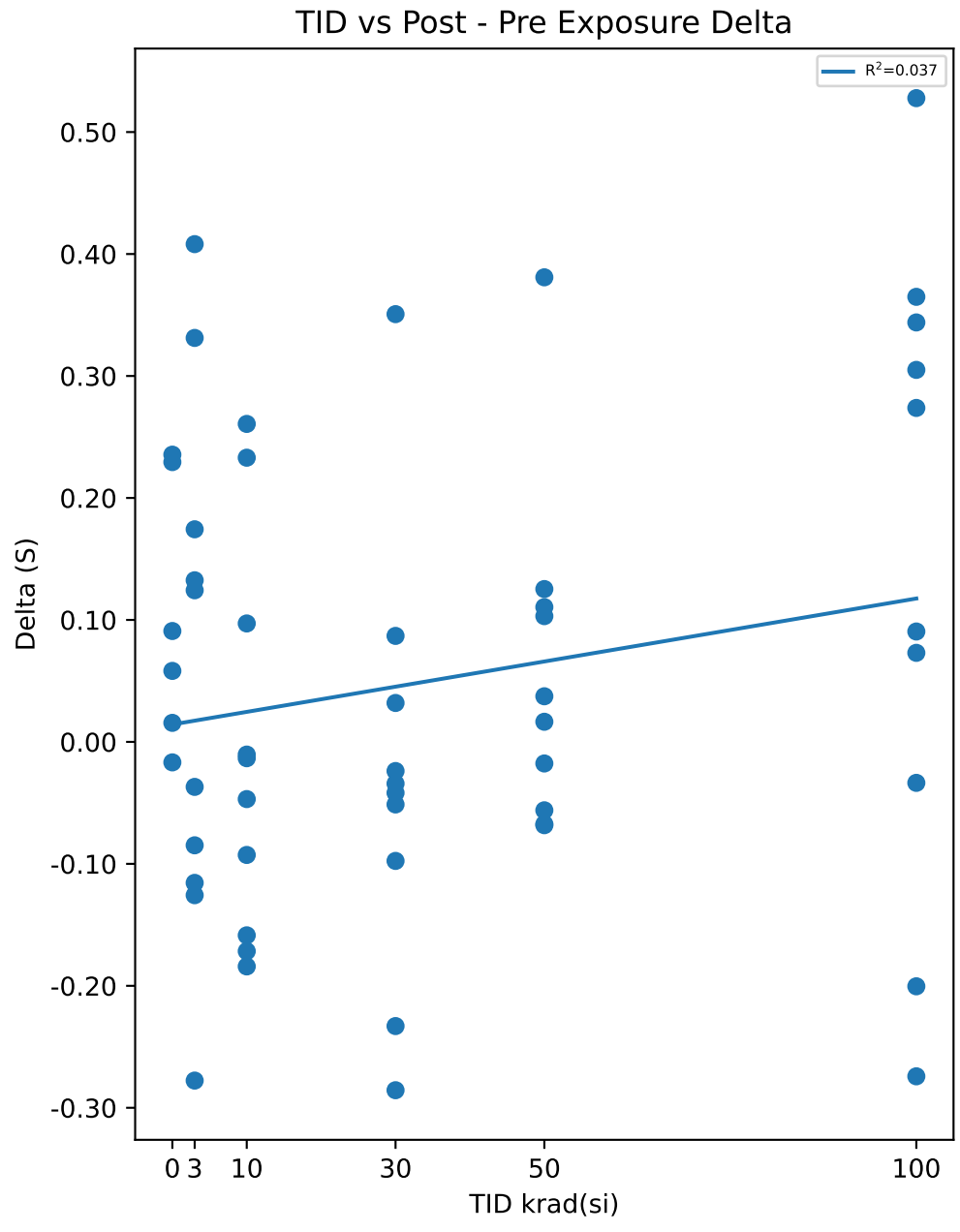
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	LDR Biased	16.146	16.035	-0.1107
2	3	LDR Biased	15.432	15.488	0.056
3	3	LDR Biased	17.382	17.292	-0.0902
4	3	LDR Biased	16.853	16.91	0.0565
5	3	LDR Biased	15.863	15.791	-0.0718
6	10	LDR Biased	16.38	16.215	-0.1646
7	10	LDR Biased	16.168	16.459	0.291
8	10	LDR Biased	16.606	16.215	-0.3913
9	10	LDR Biased	15.43	15.652	0.222
10	10	LDR Biased	16.8	16.856	0.0553
11	30	LDR Biased	15.403	15.209	-0.1935
12	30	LDR Biased	16.69	16.832	0.1422
13	30	LDR Biased	16.195	16.218	0.0232
14	30	LDR Biased	17.094	17.073	-0.0208
15	30	LDR Biased	15.236	15.394	0.1576
16	50	LDR Biased	15.919	16.117	0.1981
17	50	LDR Biased	15.908	15.722	-0.1856
18	50	LDR Biased	15.981	15.755	-0.2261
19	50	LDR Biased	15.24	15.378	0.1383
20	50	LDR Biased	16.262	16.554	0.2915
21	100	LDR Biased	16.109	16.249	0.1403
22	100	LDR Biased	15.532	15.415	-0.1172
23	100	LDR Biased	16.596	17.434	0.838
24	100	LDR Biased	16.066	16.139	0.0727
25	100	LDR Biased	17.555	17.497	-0.058
26	3	LDR Unbiased	15.853	15.898	0.0457
27	3	LDR Unbiased	14.925	15.107	0.183
28	3	LDR Unbiased	15.646	15.467	-0.1789
29	3	LDR Unbiased	15.222	15.252	0.0305
30	3	LDR Unbiased	16.285	16.418	0.1329
31	10	LDR Unbiased	16.257	16.177	-0.0799
32	10	LDR Unbiased	16.04	16.225	0.1846
33	10	LDR Unbiased	15.126	15.251	0.1252
34	10	LDR Unbiased	16.341	16.413	0.0722
35	10	LDR Unbiased	15.853	15.963	0.1099
36	30	LDR Unbiased	15.619	15.806	0.1869
37	30	LDR Unbiased	16.321	16.154	-0.1672
38	30	LDR Unbiased	16.305	16.229	-0.0757
39	30	LDR Unbiased	14.758	14.6	-0.1579
40	30	LDR Unbiased	15.803	15.963	0.1606
41	50	LDR Unbiased	16.705	16.677	-0.0287
42	50	LDR Unbiased	15.588	15.867	0.2783
43	50	LDR Unbiased	15.347	15.423	0.0765
44	50	LDR Unbiased	15.924	15.886	-0.0381
45	50	LDR Unbiased	15.598	15.452	-0.1457
46	100	LDR Unbiased	15.913	15.873	-0.0397
47	100	LDR Unbiased	15.924	16.061	0.1371
48	100	LDR Unbiased	16.731	16.689	-0.0424
49	100	LDR Unbiased	16.239	16.808	0.5691
50	100	LDR Unbiased	16.033	16.369	0.3364
60	0	Correlation	15.775	15.818	0.0427
61	0	Correlation	16.151	16.433	0.2822
62	0	Correlation	15.81	16.05	0.2404
63	0	Correlation	16.232	16.442	0.2106
64	0	Correlation	15.004	15.268	0.2641
65	0	Correlation	16.41	16.24	-0.1706

Test Statistics (S)

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	15.004	15.897	16.41	0.50191	15.268	16.042	16.442	0.44747	-0.1706	0.1449	0.2822	0.17691
3	14.925	15.96	17.382	0.74346	15.107	15.966	17.292	0.71611	-0.1789	0.0053	0.183	0.11439
10	15.126	16.1	16.8	0.51373	15.251	16.143	16.856	0.44325	-0.3913	0.04244	0.291	0.20348
30	14.758	15.942	17.094	0.71035	14.6	15.948	17.073	0.74038	-0.1935	0.00554	0.1869	0.15
50	15.24	15.847	16.705	0.43337	15.378	15.883	16.677	0.45087	-0.2261	0.03585	0.2915	0.1894
100	15.532	16.27	17.555	0.56643	15.415	16.453	17.497	0.66246	-0.1172	0.18363	0.838	0.31025

Device Test: 20.86 _GMPS|STATIC/SW/12////@EA_COMP_ISWITCH_GM_9A





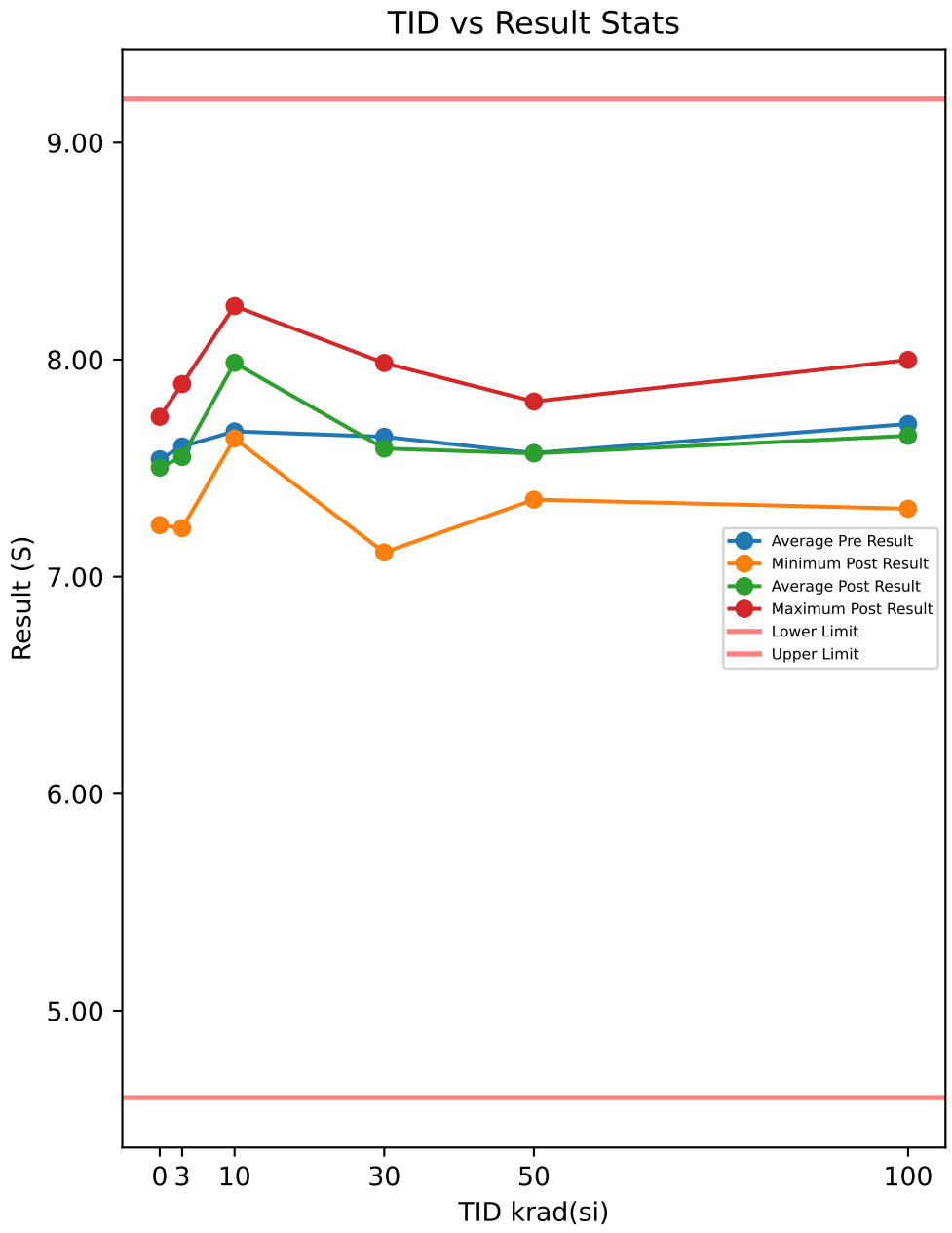
Test Results (Lower Limit = 8.0, Upper Limit = 15.5 (S))

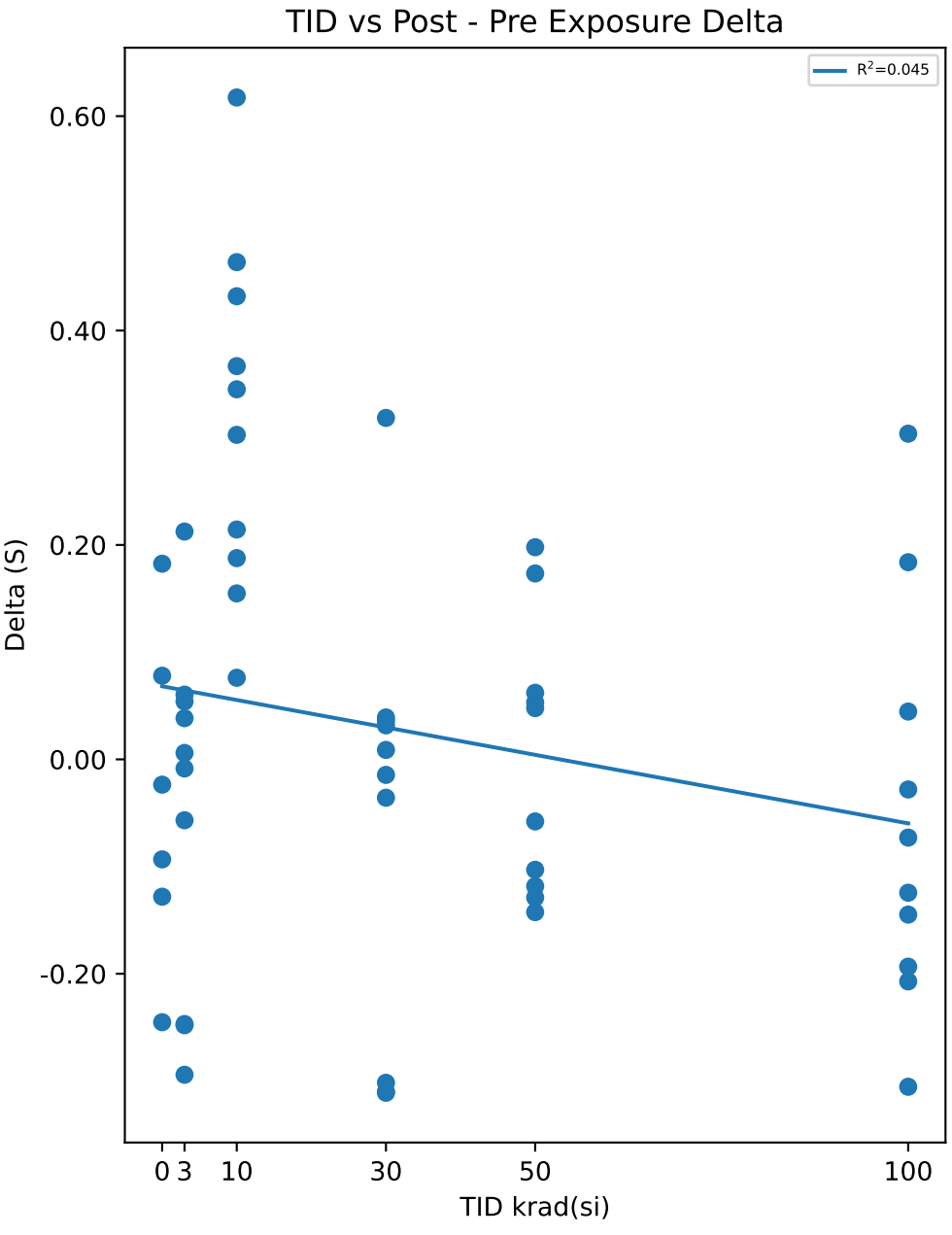
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	LDR Biased	11.622	11.754	0.1325
2	3	LDR Biased	11.3	11.022	-0.2777
3	3	LDR Biased	12.504	12.467	-0.0369
4	3	LDR Biased	12.015	12.423	0.4081
5	3	LDR Biased	11.52	11.394	-0.1257
6	10	LDR Biased	11.682	11.915	0.233
7	10	LDR Biased	12.014	11.842	-0.1716
8	10	LDR Biased	12.033	11.986	-0.0469
9	10	LDR Biased	11.542	11.383	-0.1586
10	10	LDR Biased	12.195	12.103	-0.0927
11	30	LDR Biased	11.188	11.09	-0.0976
12	30	LDR Biased	12.262	12.294	0.0319
13	30	LDR Biased	11.698	11.664	-0.0342
14	30	LDR Biased	12.166	12.114	-0.0513
15	30	LDR Biased	11.116	11.203	0.0869
16	50	LDR Biased	11.684	11.721	0.0374
17	50	LDR Biased	11.407	11.423	0.0165
18	50	LDR Biased	11.549	11.493	-0.0561
19	50	LDR Biased	11.096	11.199	0.1031
20	50	LDR Biased	11.704	12.085	0.3809
21	100	LDR Biased	11.641	11.915	0.2738
22	100	LDR Biased	11.377	11.343	-0.0336
23	100	LDR Biased	12.215	12.58	0.3649
24	100	LDR Biased	11.592	11.897	0.305
25	100	LDR Biased	12.397	12.487	0.0905
26	3	LDR Unbiased	11.554	11.469	-0.0848
27	3	LDR Unbiased	10.945	10.829	-0.1156
28	3	LDR Unbiased	11.23	11.354	0.1243
29	3	LDR Unbiased	10.833	11.164	0.3312
30	3	LDR Unbiased	11.879	12.053	0.1743
31	10	LDR Unbiased	11.827	11.817	-0.0104
32	10	LDR Unbiased	11.545	11.642	0.0971
33	10	LDR Unbiased	11.035	11.296	0.2607
34	10	LDR Unbiased	11.879	11.695	-0.1841
35	10	LDR Unbiased	11.582	11.569	-0.0134
36	30	LDR Unbiased	11.187	11.538	0.3507
37	30	LDR Unbiased	11.845	11.821	-0.0239
38	30	LDR Unbiased	12.15	11.864	-0.2856
39	30	LDR Unbiased	10.673	10.631	-0.0418
40	30	LDR Unbiased	11.678	11.445	-0.233
41	50	LDR Unbiased	12.16	12.143	-0.0177
42	50	LDR Unbiased	11.338	11.464	0.1253
43	50	LDR Unbiased	11.104	11.037	-0.0674
44	50	LDR Unbiased	11.78	11.712	-0.0683
45	50	LDR Unbiased	11.073	11.184	0.1105
46	100	LDR Unbiased	11.873	11.672	-0.2004
47	100	LDR Unbiased	11.676	11.749	0.073
48	100	LDR Unbiased	12.357	12.083	-0.2742
49	100	LDR Unbiased	11.583	12.111	0.5278
50	100	LDR Unbiased	11.593	11.937	0.3439
60	0	Correlation	11.53	11.513	-0.0168
61	0	Correlation	11.822	11.88	0.0582
62	0	Correlation	11.467	11.702	0.2355
63	0	Correlation	11.812	11.903	0.0909
64	0	Correlation	10.899	11.129	0.2294
65	0	Correlation	11.708	11.724	0.0156

Test Statistics (S)

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	10.899	11.54	11.822	0.34584	11.129	11.642	11.903	0.28825	-0.0168	0.10213	0.2355	0.1074
3	10.833	11.54	12.504	0.50371	10.829	11.593	12.467	0.56707	-0.2777	0.05297	0.4081	0.21766
10	11.035	11.733	12.195	0.33295	11.296	11.725	12.103	0.25881	-0.1841	-0.00869	0.2607	0.16003
30	10.673	11.596	12.262	0.5345	10.631	11.566	12.294	0.49917	-0.2856	-0.02979	0.3507	0.17454
50	11.073	11.49	12.16	0.35404	11.037	11.546	12.143	0.37125	-0.0683	0.05642	0.3809	0.13586
100	11.377	11.83	12.397	0.36341	11.343	11.977	12.58	0.36697	-0.2742	0.14707	0.5278	0.2607

Device Test: 20.87 _GMPS|STATIC/SW/12////@EA_COMP_ISWITCH_GM_6A





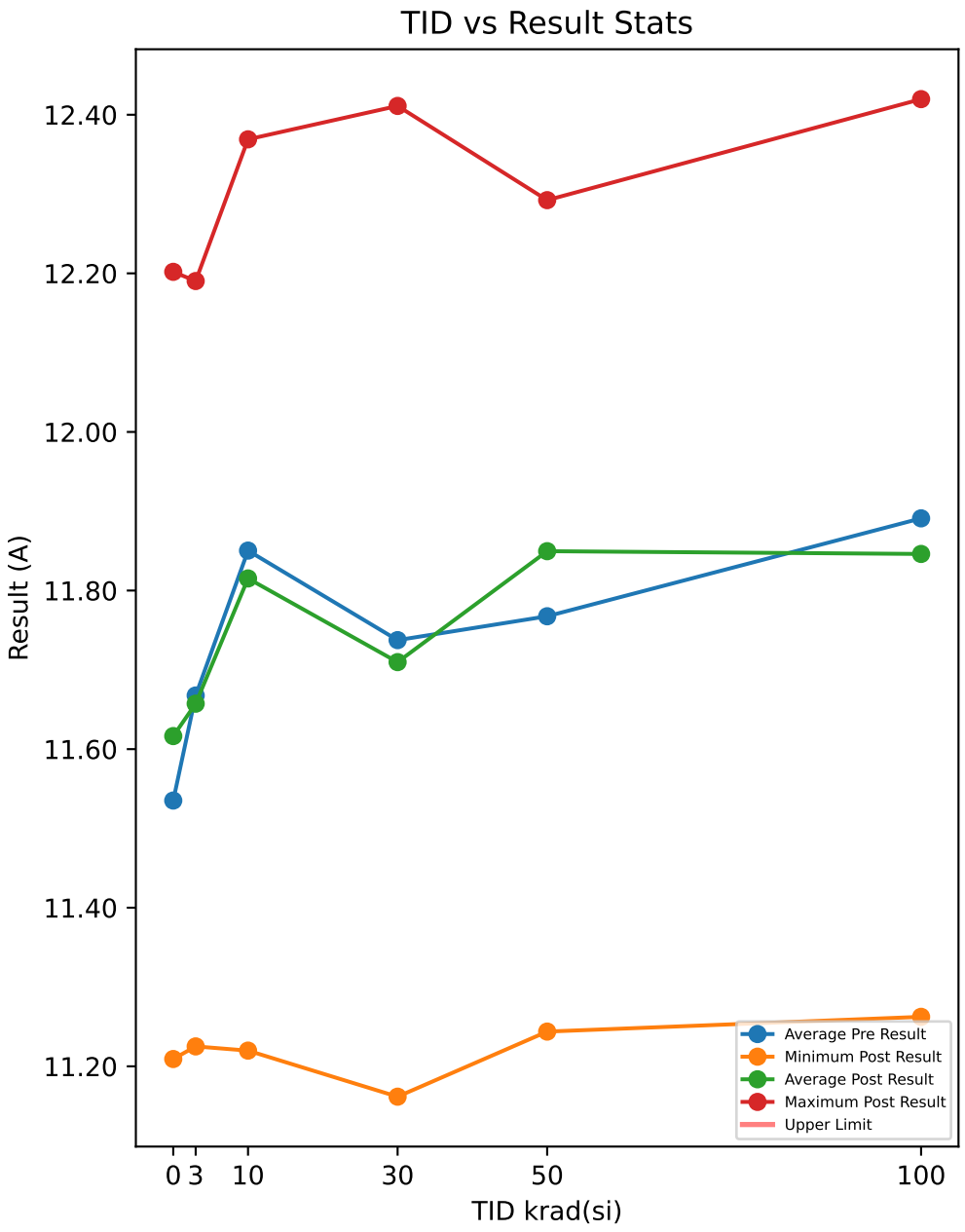
Test Results (Lower Limit = 4.6, Upper Limit = 9.2 (S))

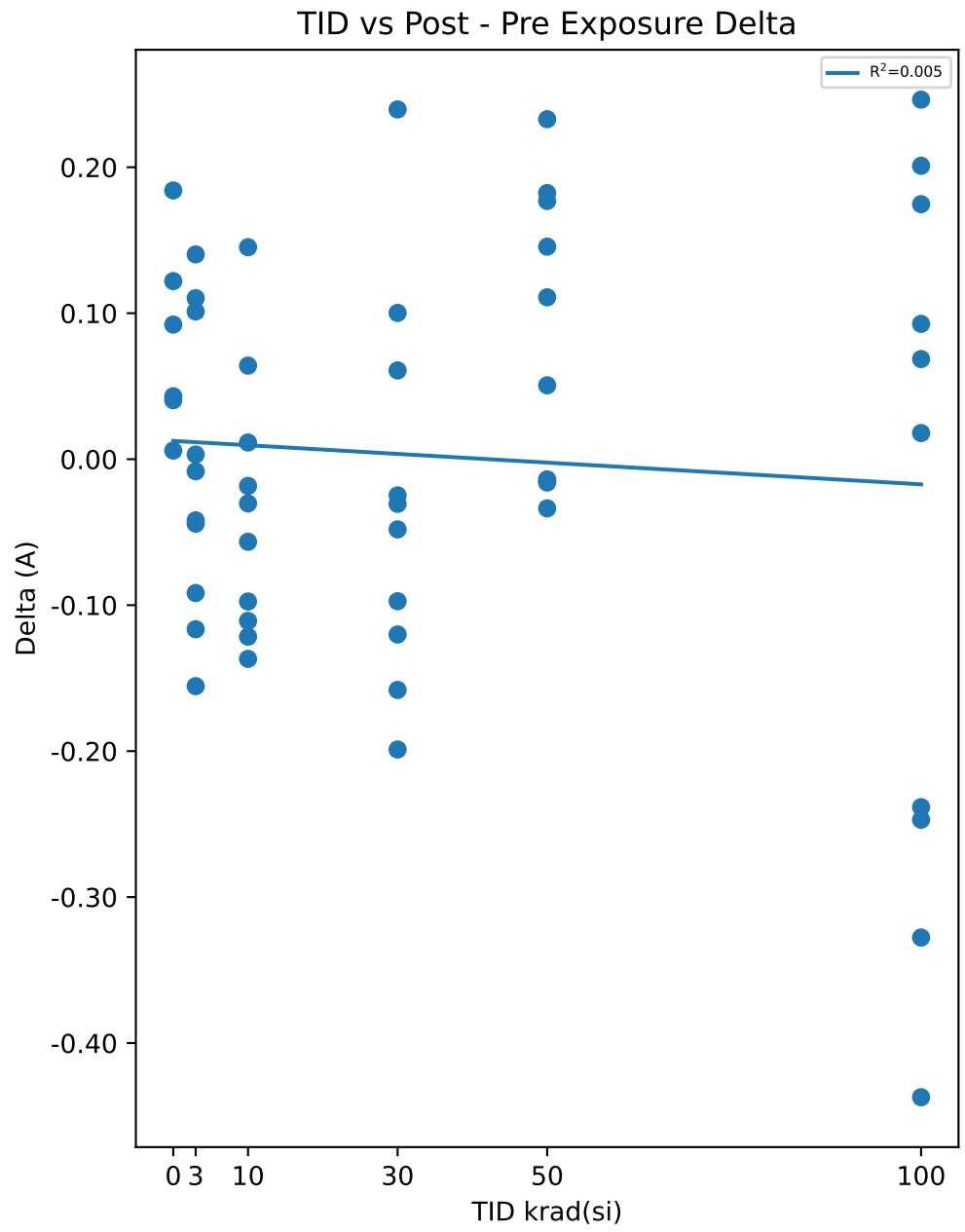
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	LDR Biased	7.4268	7.4652	0.0384
2	3	LDR Biased	7.5674	7.3205	-0.2469
3	3	LDR Biased	7.8204	7.8119	-0.0085
4	3	LDR Biased	7.9256	7.6314	-0.2942
5	3	LDR Biased	7.5953	7.6493	0.054
6	10	LDR Biased	7.648	8.0148	0.3668
7	10	LDR Biased	7.8508	8.1535	0.3027
8	10	LDR Biased	7.7728	7.9276	0.1548
9	10	LDR Biased	7.6447	7.8324	0.1877
10	10	LDR Biased	7.9018	8.247	0.3452
11	30	LDR Biased	7.4138	7.1121	-0.3017
12	30	LDR Biased	7.9455	7.9846	0.0391
13	30	LDR Biased	7.7593	7.7235	-0.0358
14	30	LDR Biased	7.772	7.8037	0.0317
15	30	LDR Biased	7.6463	7.3353	-0.311
16	50	LDR Biased	7.7689	7.6659	-0.103
17	50	LDR Biased	7.8153	7.6728	-0.1425
18	50	LDR Biased	7.509	7.3801	-0.1289
19	50	LDR Biased	7.4229	7.365	-0.0579
20	50	LDR Biased	7.5225	7.7204	0.1979
21	100	LDR Biased	7.8131	7.5077	-0.3054
22	100	LDR Biased	7.3413	7.3132	-0.0281
23	100	LDR Biased	7.9541	7.9987	0.0446
24	100	LDR Biased	7.6428	7.8267	0.1839
25	100	LDR Biased	7.9371	7.8641	-0.073
26	3	LDR Unbiased	7.4548	7.5152	0.0604
27	3	LDR Unbiased	7.3509	7.3569	0.006
28	3	LDR Unbiased	7.4432	7.6557	0.2125
29	3	LDR Unbiased	7.4714	7.2234	-0.248
30	3	LDR Unbiased	7.9444	7.8876	-0.0568
31	10	LDR Unbiased	7.8692	8.0836	0.2144
32	10	LDR Unbiased	7.5966	8.0604	0.4638
33	10	LDR Unbiased	7.205	7.637	0.432
34	10	LDR Unbiased	7.4721	8.0895	0.6174
35	10	LDR Unbiased	7.7327	7.8088	0.0761
36	30	LDR Unbiased	7.2813	7.5998	0.3185
37	30	LDR Unbiased	7.9976	7.6876	-0.31
38	30	LDR Unbiased	7.8046	7.8134	0.0088
39	30	LDR Unbiased	7.1546	7.1401	-0.0145
40	30	LDR Unbiased	7.6702	7.7063	0.0361
41	50	LDR Unbiased	7.7099	7.7631	0.0532
42	50	LDR Unbiased	7.6527	7.5344	-0.1183
43	50	LDR Unbiased	7.3714	7.4192	0.0478
44	50	LDR Unbiased	7.6339	7.8073	0.1734
45	50	LDR Unbiased	7.2928	7.3549	0.0621
46	100	LDR Unbiased	7.6752	7.4818	-0.1934
47	100	LDR Unbiased	7.523	7.3159	-0.2071
48	100	LDR Unbiased	7.984	7.8596	-0.1244
49	100	LDR Unbiased	7.4975	7.8013	0.3038
50	100	LDR Unbiased	7.6662	7.5214	-0.1448
60	0	Correlation	7.6036	7.4755	-0.1281
61	0	Correlation	7.6268	7.6032	-0.0236
62	0	Correlation	7.5542	7.7367	0.1825
63	0	Correlation	7.6208	7.5275	-0.0933
64	0	Correlation	7.483	7.2378	-0.2452
65	0	Correlation	7.358	7.436	0.078

Test Statistics (S)

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	7.358	7.5411	7.6268	0.10457	7.2378	7.5028	7.7367	0.16783	-0.2452	-0.038283	0.1825	0.15257
3	7.3509	7.6	7.9444	0.21821	7.2234	7.5517	7.8876	0.21479	-0.2942	-0.04831	0.2125	0.16405
10	7.205	7.6694	7.9018	0.21148	7.637	7.9855	8.247	0.18348	0.0761	0.31609	0.6174	0.16332
30	7.1546	7.6445	7.9976	0.27812	7.1121	7.5906	7.9846	0.29588	-0.311	-0.05388	0.3185	0.20046
50	7.2928	7.5699	7.8153	0.17452	7.3549	7.5683	7.8073	0.17774	-0.1425	-0.00162	0.1979	0.12608
100	7.3413	7.7034	7.984	0.21606	7.3132	7.649	7.9987	0.24846	-0.3054	-0.05439	0.3038	0.18698

Device Test: 20.9 _THRESHOLD|RISE/SW/4.5////@HIGHSIDE_CURR_LIM2_9A





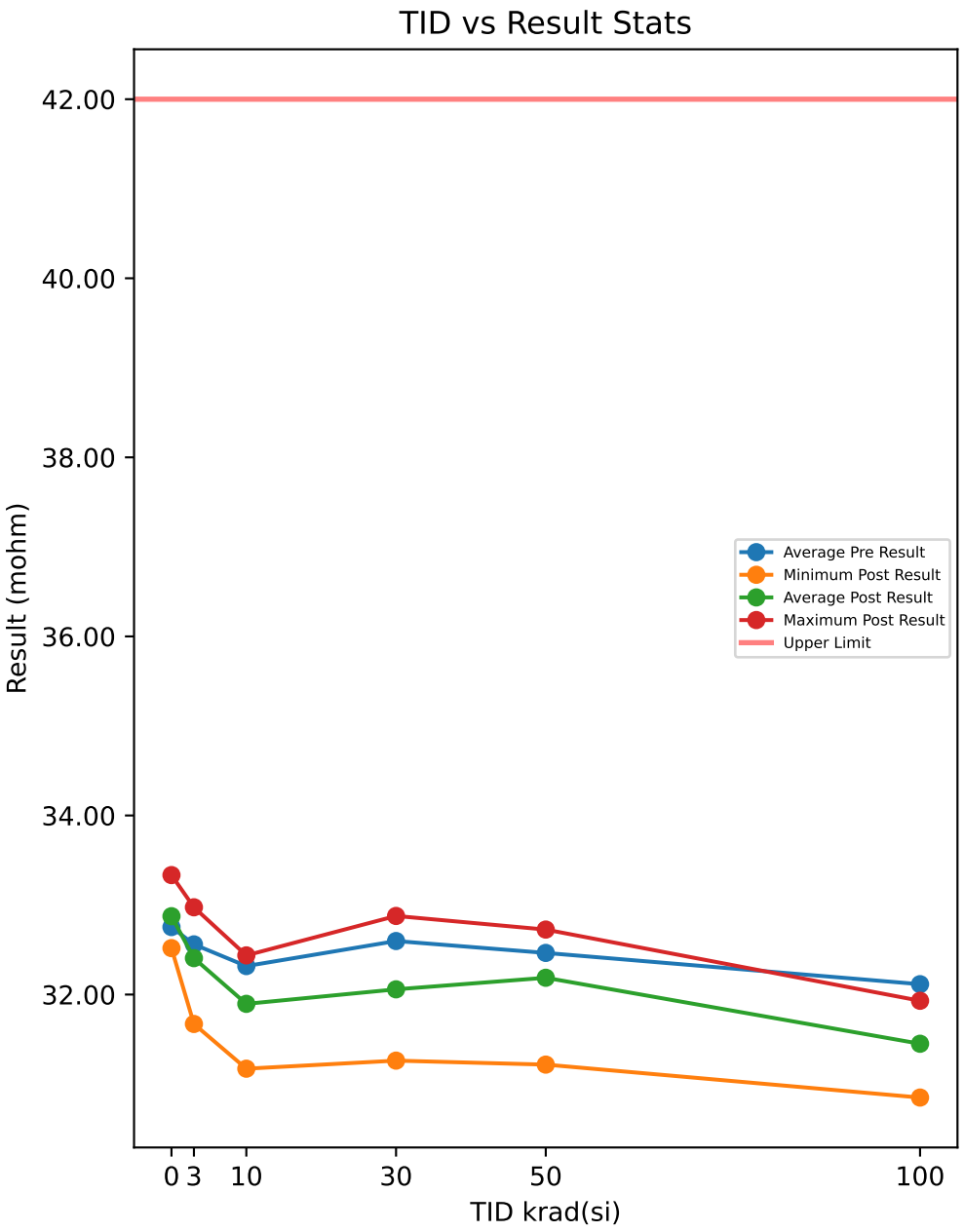
Test Results (No Limits Specified (A))

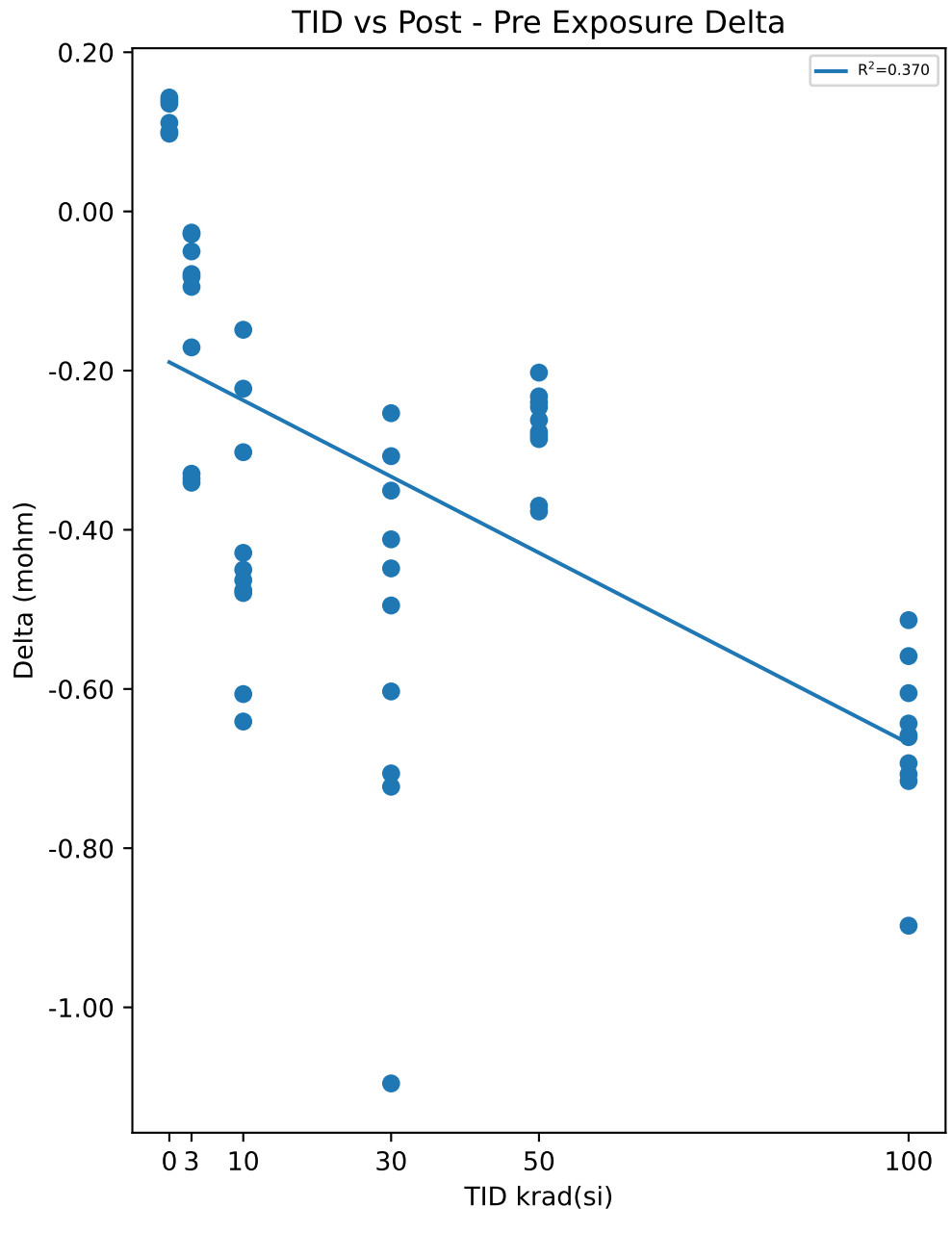
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	LDR Biased	11.183	11.324	0.1403
2	3	LDR Biased	11.737	11.645	-0.0917
3	3	LDR Biased	11.312	11.27	-0.0419
4	3	LDR Biased	12.199	12.19	-0.0083
5	3	LDR Biased	11.945	11.79	-0.1555
6	10	LDR Biased	11.156	11.22	0.0641
7	10	LDR Biased	12.185	12.154	-0.0303
8	10	LDR Biased	12.114	11.992	-0.1216
9	10	LDR Biased	11.722	11.611	-0.1108
10	10	LDR Biased	11.628	11.571	-0.0566
11	30	LDR Biased	12.089	12.041	-0.0481
12	30	LDR Biased	11.706	11.586	-0.1201
13	30	LDR Biased	11.235	11.204	-0.0306
14	30	LDR Biased	11.32	11.162	-0.1581
15	30	LDR Biased	11.951	11.854	-0.0973
16	50	LDR Biased	11.26	11.244	-0.016
17	50	LDR Biased	11.823	11.79	-0.0337
18	50	LDR Biased	12.066	12.177	0.1109
19	50	LDR Biased	11.881	11.867	-0.0138
20	50	LDR Biased	11.385	11.568	0.1823
21	100	LDR Biased	11.774	11.949	0.1747
22	100	LDR Biased	12.658	12.42	-0.2384
23	100	LDR Biased	11.351	11.419	0.0686
24	100	LDR Biased	11.259	11.352	0.0927
25	100	LDR Biased	12.202	11.874	-0.3277
26	3	LDR Unbiased	11.188	11.298	0.1103
27	3	LDR Unbiased	11.896	11.998	0.1012
28	3	LDR Unbiased	12.131	12.015	-0.1165
29	3	LDR Unbiased	11.222	11.225	0.0032
30	3	LDR Unbiased	11.863	11.819	-0.0442
31	10	LDR Unbiased	12.029	11.892	-0.1368
32	10	LDR Unbiased	11.557	11.459	-0.0975
33	10	LDR Unbiased	11.829	11.975	0.1452
34	10	LDR Unbiased	11.899	11.91	0.0114
35	10	LDR Unbiased	12.387	12.369	-0.0183
36	30	LDR Unbiased	12.005	12.065	0.0608
37	30	LDR Unbiased	11.565	11.366	-0.1989
38	30	LDR Unbiased	12.171	12.411	0.2396
39	30	LDR Unbiased	11.588	11.564	-0.0248
40	30	LDR Unbiased	11.745	11.845	0.1002
41	50	LDR Unbiased	11.869	12.102	0.2329
42	50	LDR Unbiased	11.666	11.651	-0.0151
43	50	LDR Unbiased	11.92	12.097	0.1769
44	50	LDR Unbiased	12.242	12.292	0.0506
45	50	LDR Unbiased	11.563	11.709	0.1456
46	100	LDR Unbiased	11.7	11.262	-0.4371
47	100	LDR Unbiased	11.89	11.908	0.0179
48	100	LDR Unbiased	12.154	11.907	-0.247
49	100	LDR Unbiased	12.15	12.397	0.2463
50	100	LDR Unbiased	11.774	11.975	0.201
60	0	Correlation	11.676	11.768	0.0922
61	0	Correlation	11.258	11.38	0.122
62	0	Correlation	11.49	11.674	0.1841
63	0	Correlation	12.162	12.202	0.0404
64	0	Correlation	11.203	11.209	0.0059
65	0	Correlation	11.422	11.465	0.0431

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	11.203	11.535	12.162	0.35038	11.209	11.616	12.202	0.35032	0.0059	0.081283	0.1841	0.065054
3	11.183	11.668	12.199	0.40271	11.225	11.657	12.19	0.35729	-0.1555	-0.01031	0.1403	0.10054
10	11.156	11.85	12.387	0.35573	11.22	11.815	12.369	0.34575	-0.1368	-0.03512	0.1452	0.089894
30	11.235	11.737	12.171	0.31792	11.162	11.71	12.411	0.40533	-0.1989	-0.02773	0.2396	0.13156
50	11.26	11.768	12.242	0.30173	11.244	11.85	12.292	0.32277	-0.0337	0.08206	0.2329	0.09961
100	11.259	11.891	12.658	0.4186	11.262	11.846	12.42	0.39926	-0.4371	-0.0449	0.2463	0.24525

Device Test: 21.14 _LEVEL|LOWSIDE/SW/12/2///@R_LOWSIDE_12V_25C





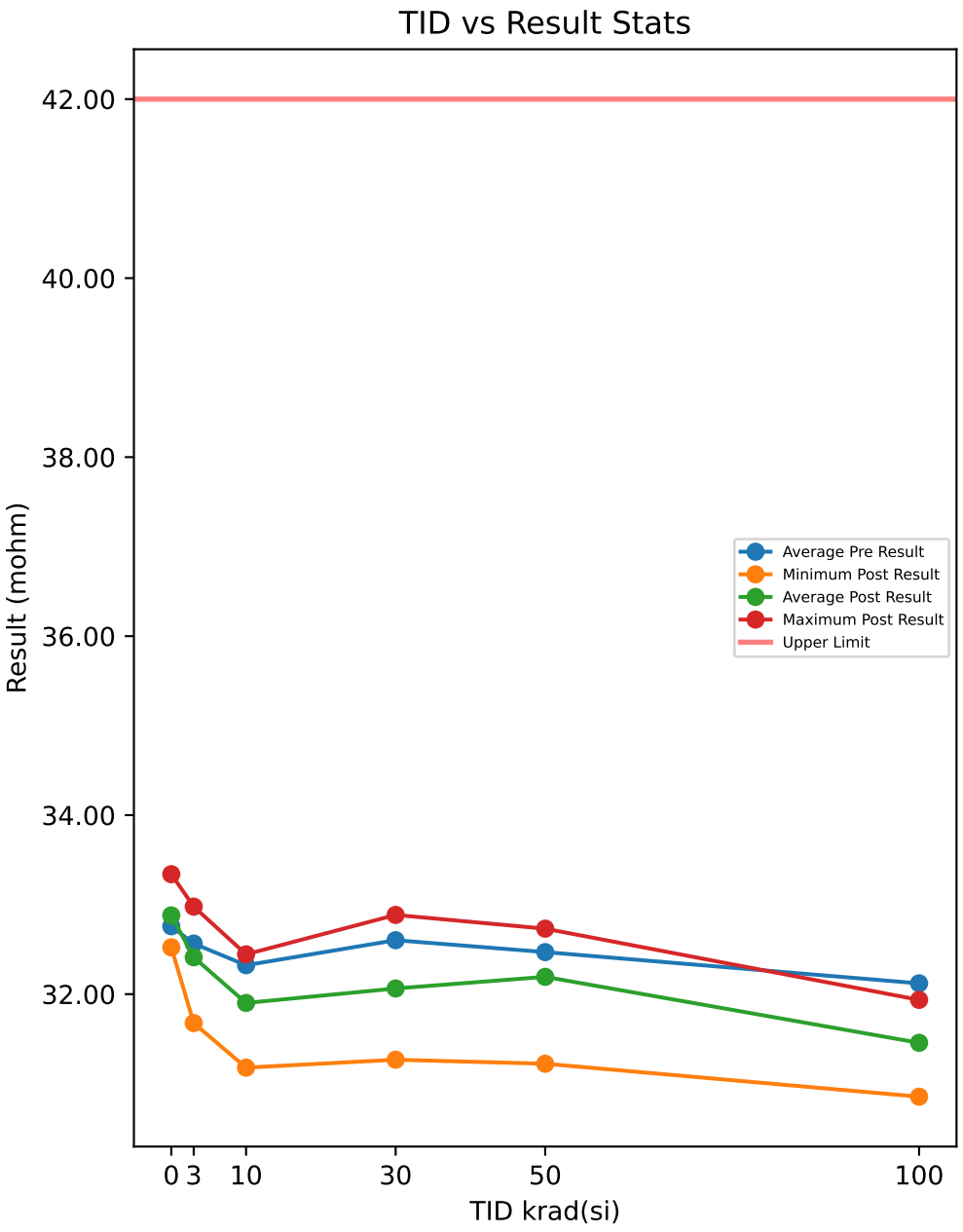
Test Results (Upper Limit = 42.0 (mohm))

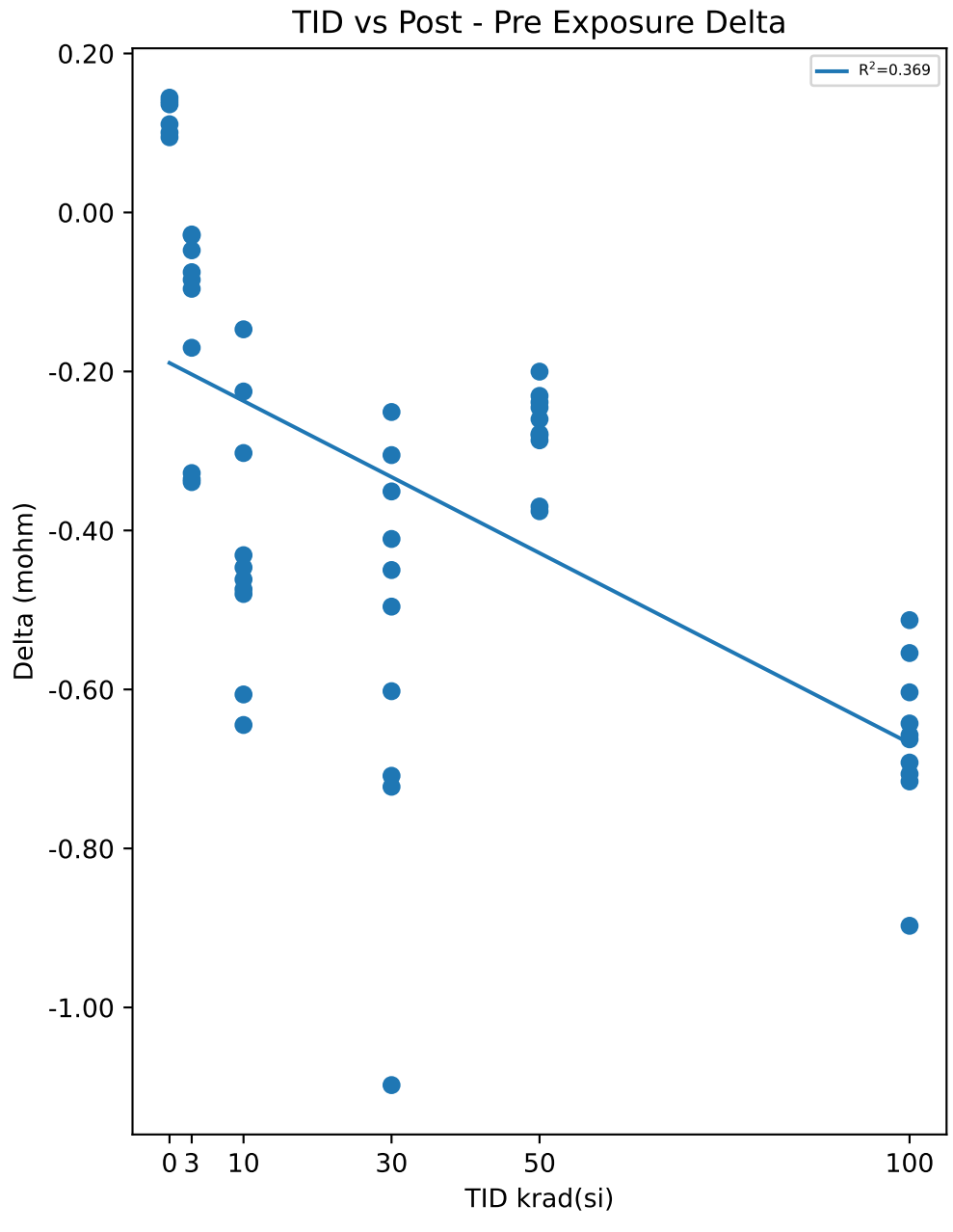
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	LDR Biased	32.468	32.139	-0.3296
2	3	LDR Biased	33.012	32.676	-0.3357
3	3	LDR Biased	32.641	32.3	-0.3408
4	3	LDR Biased	31.842	31.671	-0.1708
5	3	LDR Biased	32.535	32.506	-0.0286
6	10	LDR Biased	31.998	31.535	-0.4633
7	10	LDR Biased	32.086	31.445	-0.6409
8	10	LDR Biased	32.248	31.642	-0.6064
9	10	LDR Biased	31.648	31.172	-0.4761
10	10	LDR Biased	32.885	32.435	-0.4501
11	30	LDR Biased	32.673	31.95	-0.7228
12	30	LDR Biased	32.358	31.262	-1.0956
13	30	LDR Biased	32.473	31.767	-0.7061
14	30	LDR Biased	32.145	31.542	-0.6031
15	30	LDR Biased	33.29	32.878	-0.412
16	50	LDR Biased	32.764	32.386	-0.377
17	50	LDR Biased	32.798	32.428	-0.3698
18	50	LDR Biased	33.007	32.726	-0.2815
19	50	LDR Biased	32.689	32.427	-0.2621
20	50	LDR Biased	32.756	32.47	-0.286
21	100	LDR Biased	32.068	31.17	-0.8974
22	100	LDR Biased	32.293	31.633	-0.6605
23	100	LDR Biased	31.681	31.038	-0.6434
24	100	LDR Biased	32.206	31.549	-0.6579
25	100	LDR Biased	31.71	31.151	-0.5587
26	3	LDR Unbiased	32.401	32.307	-0.0948
27	3	LDR Unbiased	33.057	32.974	-0.0822
28	3	LDR Unbiased	32.776	32.749	-0.0266
29	3	LDR Unbiased	32.759	32.68	-0.0787
30	3	LDR Unbiased	32.114	32.064	-0.0502
31	10	LDR Unbiased	32.2	31.721	-0.4794
32	10	LDR Unbiased	32.866	32.437	-0.429
33	10	LDR Unbiased	32.339	32.036	-0.3025
34	10	LDR Unbiased	32.411	32.188	-0.2227
35	10	LDR Unbiased	32.498	32.35	-0.1487
36	30	LDR Unbiased	32.767	32.271	-0.4951
37	30	LDR Unbiased	32.215	31.766	-0.4485
38	30	LDR Unbiased	31.966	31.616	-0.3508
39	30	LDR Unbiased	33.184	32.877	-0.3075
40	30	LDR Unbiased	32.906	32.652	-0.2535
41	50	LDR Unbiased	31.495	31.218	-0.2772
42	50	LDR Unbiased	32.047	31.801	-0.2459
43	50	LDR Unbiased	32.322	32.12	-0.2025
44	50	LDR Unbiased	32.551	32.311	-0.2399
45	50	LDR Unbiased	32.22	31.988	-0.2324
46	100	LDR Unbiased	32.401	31.694	-0.7071
47	100	LDR Unbiased	32.42	31.704	-0.7157
48	100	LDR Unbiased	31.543	30.849	-0.6933
49	100	LDR Unbiased	32.391	31.786	-0.6052
50	100	LDR Unbiased	32.444	31.93	-0.5135
60	0	Correlation	32.574	32.709	0.1354
61	0	Correlation	33.19	33.287	0.0977
62	0	Correlation	32.407	32.518	0.1113
63	0	Correlation	32.504	32.604	0.1002
64	0	Correlation	33.191	33.334	0.1431
65	0	Correlation	32.658	32.797	0.1392

Test Statistics (mohm)

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	32.407	32.754	33.191	0.34797	32.518	32.875	33.334	0.35071	0.0977	0.12115	0.1431	0.020477
3	31.842	32.56	33.057	0.37886	31.671	32.407	32.974	0.38706	-0.3408	-0.1538	-0.0266	0.13169
10	31.648	32.318	32.885	0.3783	31.172	31.896	32.437	0.4532	-0.6409	-0.42191	-0.1487	0.15613
30	31.966	32.598	33.29	0.44412	31.262	32.058	32.878	0.57909	-1.0956	-0.5395	-0.2535	0.25219
50	31.495	32.465	33.007	0.45135	31.218	32.187	32.726	0.4314	-0.377	-0.27743	-0.2025	0.056585
100	31.543	32.116	32.444	0.3466	30.849	31.45	31.93	0.3665	-0.8974	-0.66527	-0.5135	0.10409

Device Test: 21.15 _LEVEL|LOWSIDE/SW/12/12///@R_LOWSIDE_12V_25C





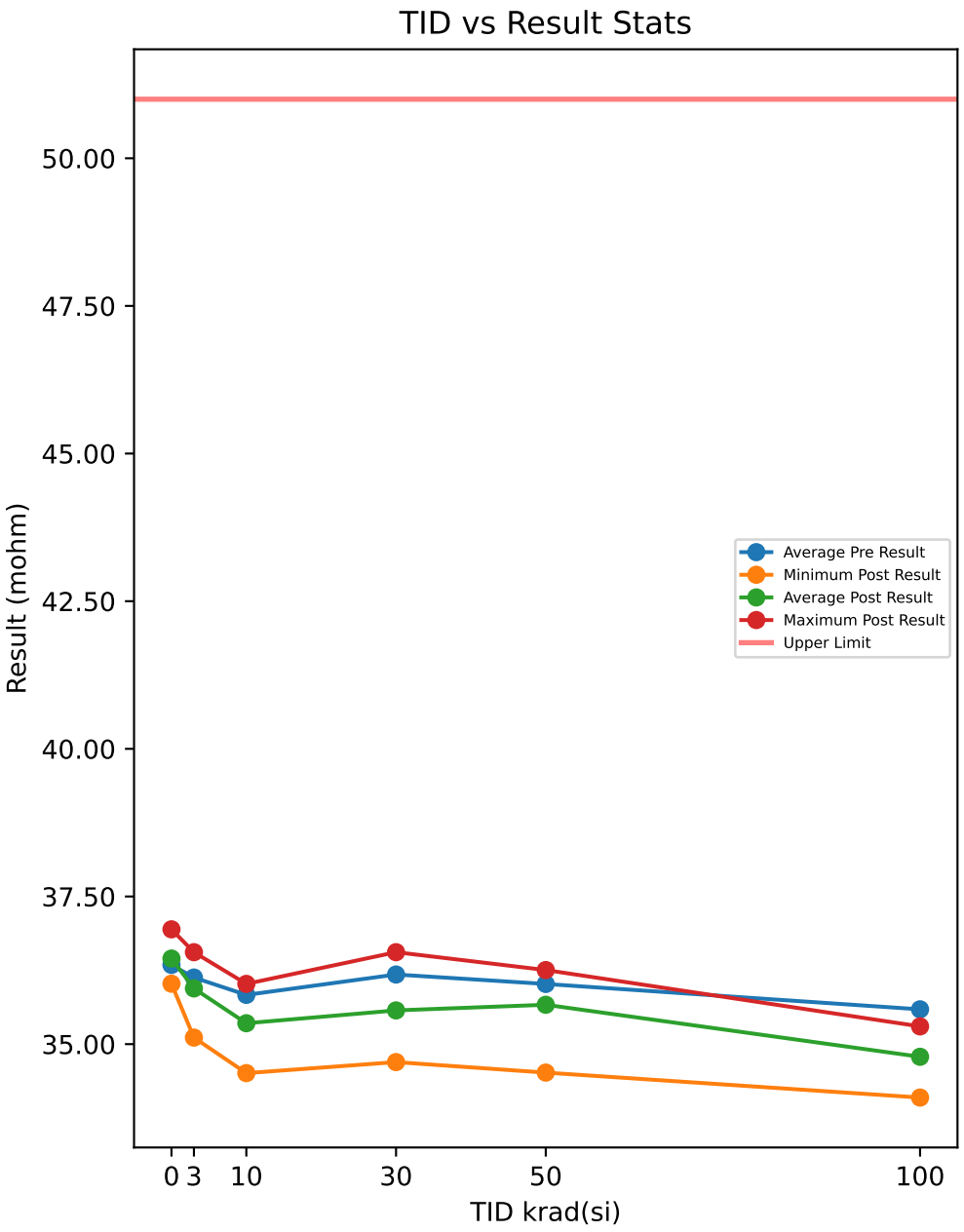
Test Results (Upper Limit = 42.0 (mohm))

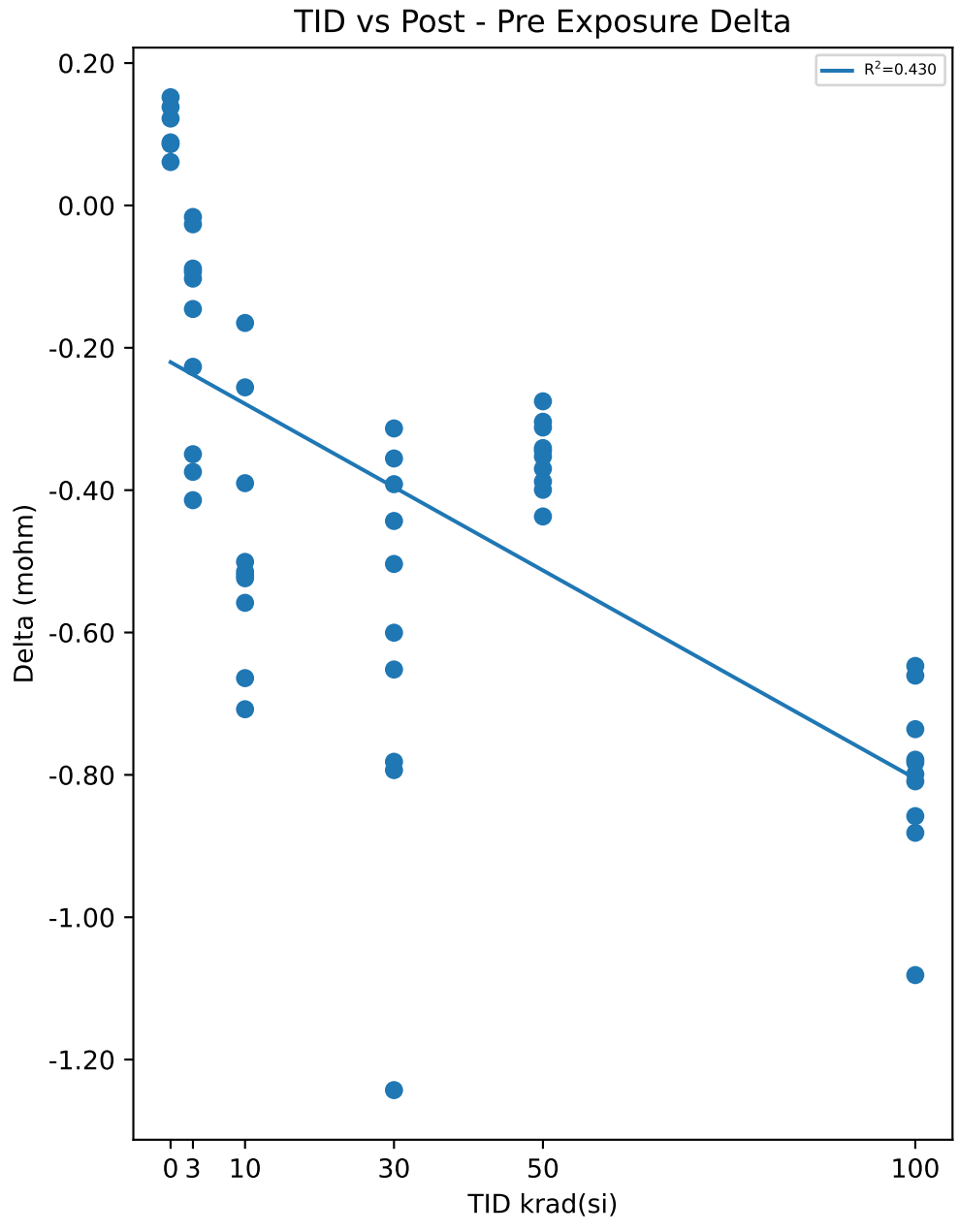
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	LDR Biased	32.472	32.144	-0.3278
2	3	LDR Biased	33.016	32.681	-0.3356
3	3	LDR Biased	32.644	32.305	-0.3392
4	3	LDR Biased	31.847	31.676	-0.1702
5	3	LDR Biased	32.539	32.51	-0.0289
6	10	LDR Biased	32.004	31.542	-0.4616
7	10	LDR Biased	32.092	31.447	-0.6447
8	10	LDR Biased	32.253	31.647	-0.6063
9	10	LDR Biased	31.653	31.179	-0.4739
10	10	LDR Biased	32.891	32.444	-0.4466
11	30	LDR Biased	32.678	31.956	-0.7224
12	30	LDR Biased	32.365	31.267	-1.0977
13	30	LDR Biased	32.478	31.769	-0.7086
14	30	LDR Biased	32.15	31.548	-0.6022
15	30	LDR Biased	33.296	32.885	-0.4107
16	50	LDR Biased	32.768	32.392	-0.3758
17	50	LDR Biased	32.805	32.435	-0.3699
18	50	LDR Biased	33.012	32.731	-0.2804
19	50	LDR Biased	32.692	32.432	-0.26
20	50	LDR Biased	32.761	32.474	-0.2866
21	100	LDR Biased	32.072	31.175	-0.8973
22	100	LDR Biased	32.299	31.636	-0.6627
23	100	LDR Biased	31.687	31.044	-0.6428
24	100	LDR Biased	32.212	31.554	-0.6574
25	100	LDR Biased	31.714	31.16	-0.5542
26	3	LDR Unbiased	32.407	32.311	-0.096
27	3	LDR Unbiased	33.062	32.978	-0.0846
28	3	LDR Unbiased	32.782	32.754	-0.0277
29	3	LDR Unbiased	32.762	32.687	-0.0751
30	3	LDR Unbiased	32.118	32.071	-0.0476
31	10	LDR Unbiased	32.207	31.727	-0.4799
32	10	LDR Unbiased	32.873	32.441	-0.4311
33	10	LDR Unbiased	32.342	32.04	-0.3026
34	10	LDR Unbiased	32.416	32.191	-0.2252
35	10	LDR Unbiased	32.502	32.355	-0.147
36	30	LDR Unbiased	32.772	32.276	-0.4958
37	30	LDR Unbiased	32.22	31.77	-0.4498
38	30	LDR Unbiased	31.971	31.62	-0.3509
39	30	LDR Unbiased	33.188	32.883	-0.3052
40	30	LDR Unbiased	32.91	32.659	-0.251
41	50	LDR Unbiased	31.501	31.222	-0.2785
42	50	LDR Unbiased	32.051	31.806	-0.2454
43	50	LDR Unbiased	32.326	32.126	-0.2002
44	50	LDR Unbiased	32.556	32.317	-0.2387
45	50	LDR Unbiased	32.225	31.994	-0.2307
46	100	LDR Unbiased	32.405	31.699	-0.7063
47	100	LDR Unbiased	32.425	31.71	-0.7157
48	100	LDR Unbiased	31.546	30.854	-0.692
49	100	LDR Unbiased	32.395	31.792	-0.6036
50	100	LDR Unbiased	32.449	31.936	-0.5128
60	0	Correlation	32.578	32.714	0.136
61	0	Correlation	33.195	33.289	0.0946
62	0	Correlation	32.412	32.523	0.111
63	0	Correlation	32.508	32.609	0.1005
64	0	Correlation	33.196	33.34	0.1444
65	0	Correlation	32.663	32.803	0.1401

Test Statistics (mohm)

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	32.412	32.759	33.196	0.348	32.523	32.88	33.34	0.35026	0.0946	0.1211	0.1444	0.0217
3	31.847	32.565	33.062	0.37909	31.676	32.412	32.978	0.38669	-0.3392	-0.15327	-0.0277	0.13126
10	31.653	32.323	32.891	0.37841	31.179	31.901	32.444	0.45316	-0.6447	-0.42189	-0.147	0.15652
30	31.971	32.603	33.296	0.44386	31.267	32.063	32.885	0.57981	-1.0977	-0.53943	-0.251	0.25338
50	31.501	32.47	33.012	0.45105	31.222	32.193	32.731	0.4315	-0.3758	-0.27662	-0.2002	0.05705
100	31.546	32.12	32.449	0.3469	30.854	31.456	31.936	0.36624	-0.8973	-0.66448	-0.5128	0.10474

Device Test: 21.2 _LEVEL|LOWSIDE/SW/4.5/2///@R_LOWSIDE_4V_25C





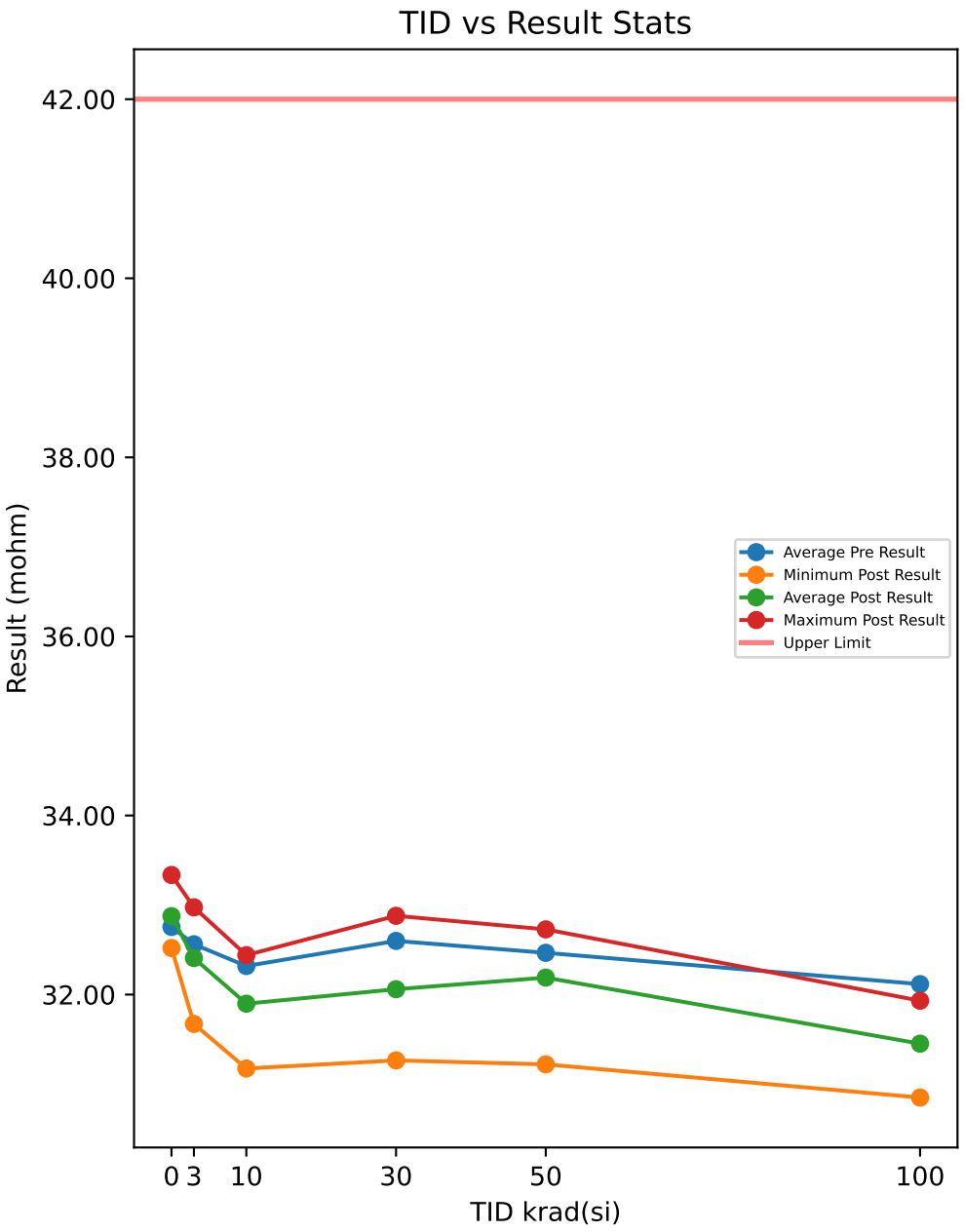
Test Results (Upper Limit = 51.0 (mohm))

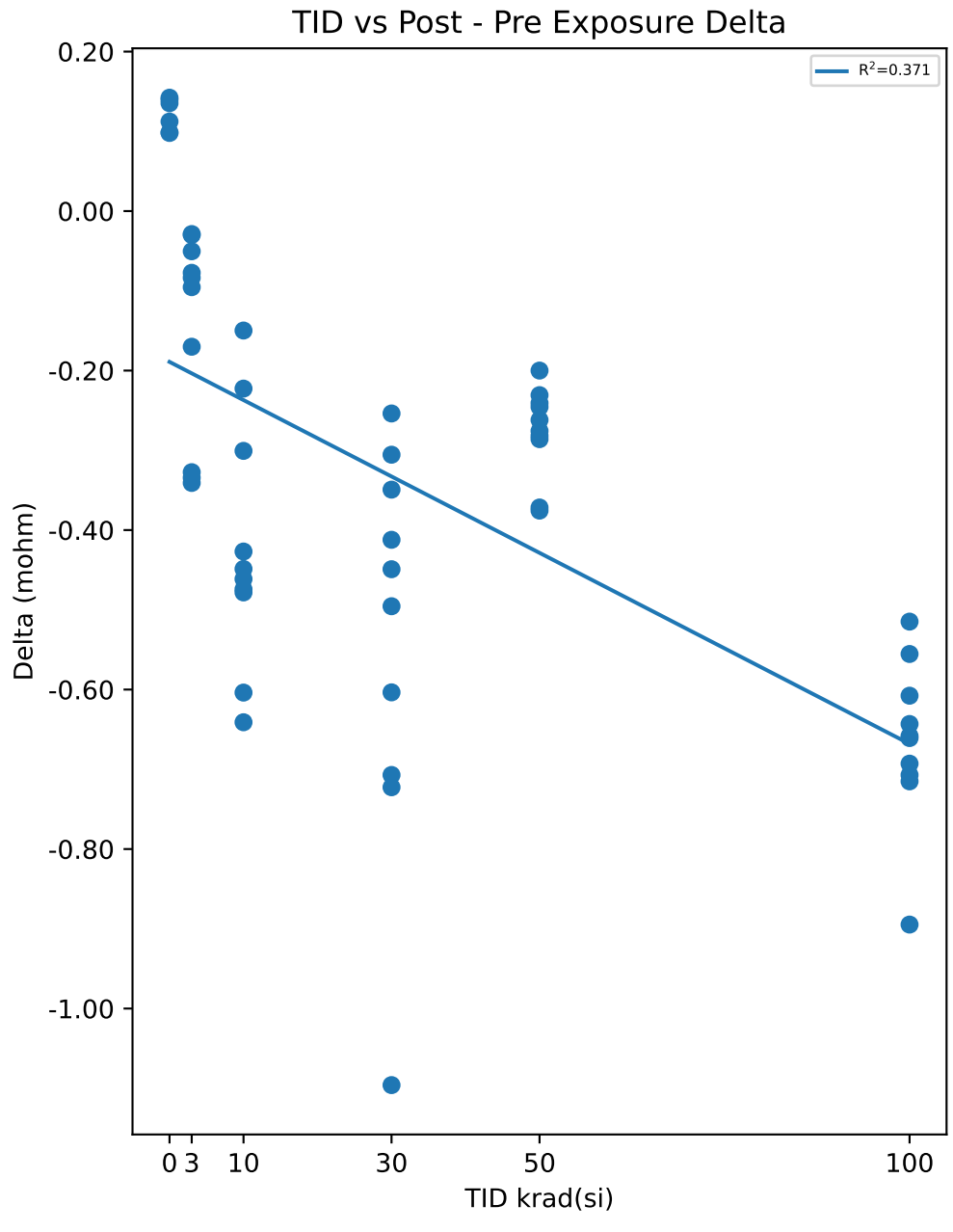
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	LDR Biased	36.051	35.637	-0.4141
2	3	LDR Biased	36.614	36.264	-0.3495
3	3	LDR Biased	36.237	35.862	-0.3743
4	3	LDR Biased	35.337	35.111	-0.2267
5	3	LDR Biased	36.045	36.029	-0.0162
6	10	LDR Biased	35.375	34.874	-0.5008
7	10	LDR Biased	35.537	34.829	-0.7078
8	10	LDR Biased	35.769	35.105	-0.6641
9	10	LDR Biased	35.033	34.509	-0.5238
10	10	LDR Biased	36.535	36.02	-0.5145
11	30	LDR Biased	36.242	35.46	-0.7816
12	30	LDR Biased	35.938	34.696	-1.2429
13	30	LDR Biased	36.01	35.217	-0.7933
14	30	LDR Biased	35.665	35.013	-0.652
15	30	LDR Biased	37	36.557	-0.4433
16	50	LDR Biased	36.338	35.938	-0.3995
17	50	LDR Biased	36.425	35.988	-0.437
18	50	LDR Biased	36.595	36.254	-0.3409
19	50	LDR Biased	36.287	35.975	-0.312
20	50	LDR Biased	36.365	35.977	-0.3879
21	100	LDR Biased	35.483	34.402	-1.0813
22	100	LDR Biased	35.812	35.03	-0.7827
23	100	LDR Biased	35.081	34.302	-0.7787
24	100	LDR Biased	35.636	34.838	-0.7989
25	100	LDR Biased	35.132	34.485	-0.647
26	3	LDR Unbiased	36.004	35.858	-0.1455
27	3	LDR Unbiased	36.659	36.557	-0.1028
28	3	LDR Unbiased	36.37	36.344	-0.0265
29	3	LDR Unbiased	36.344	36.255	-0.0887
30	3	LDR Unbiased	35.611	35.518	-0.0932
31	10	LDR Unbiased	35.712	35.154	-0.5583
32	10	LDR Unbiased	36.526	36.006	-0.5193
33	10	LDR Unbiased	35.863	35.473	-0.3902
34	10	LDR Unbiased	35.961	35.706	-0.2556
35	10	LDR Unbiased	36.027	35.861	-0.1651
36	30	LDR Unbiased	36.315	35.714	-0.6003
37	30	LDR Unbiased	35.784	35.28	-0.5037
38	30	LDR Unbiased	35.405	35.014	-0.3916
39	30	LDR Unbiased	36.875	36.52	-0.3555
40	30	LDR Unbiased	36.551	36.238	-0.3133
41	50	LDR Unbiased	34.888	34.518	-0.3699
42	50	LDR Unbiased	35.519	35.175	-0.3448
43	50	LDR Unbiased	35.862	35.586	-0.2752
44	50	LDR Unbiased	36.158	35.805	-0.3527
45	50	LDR Unbiased	35.752	35.448	-0.3039
46	100	LDR Unbiased	35.904	35.095	-0.8091
47	100	LDR Unbiased	35.963	35.105	-0.858
48	100	LDR Unbiased	34.977	34.095	-0.8814
49	100	LDR Unbiased	35.939	35.203	-0.7358
50	100	LDR Unbiased	35.961	35.3	-0.6606
60	0	Correlation	36.117	36.239	0.1221
61	0	Correlation	36.858	36.919	0.061
62	0	Correlation	35.937	36.023	0.0862
63	0	Correlation	36.057	36.145	0.0886
64	0	Correlation	36.806	36.944	0.1382
65	0	Correlation	36.272	36.424	0.152

Test Statistics (mohm)

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	35.937	36.341	36.858	0.39562	36.023	36.449	36.944	0.39607	0.061	0.10802	0.152	0.03495
3	35.337	36.127	36.659	0.41575	35.111	35.943	36.557	0.43789	-0.4141	-0.18375	-0.0162	0.14785
10	35.033	35.834	36.535	0.46942	34.509	35.354	36.02	0.53605	-0.7078	-0.47995	-0.1651	0.16819
30	35.405	36.179	37	0.51903	34.696	35.571	36.557	0.66223	-1.2429	-0.60775	-0.3133	0.27988
50	34.888	36.019	36.595	0.52014	34.518	35.666	36.254	0.51092	-0.437	-0.35238	-0.2752	0.048392
100	34.977	35.589	35.963	0.39516	34.095	34.786	35.3	0.42784	-1.0813	-0.80335	-0.647	0.12329

Device Test: 21.20 _LEVEL|LOWSIDE/SW/14/2///@R_LOWSIDE_14V_25C





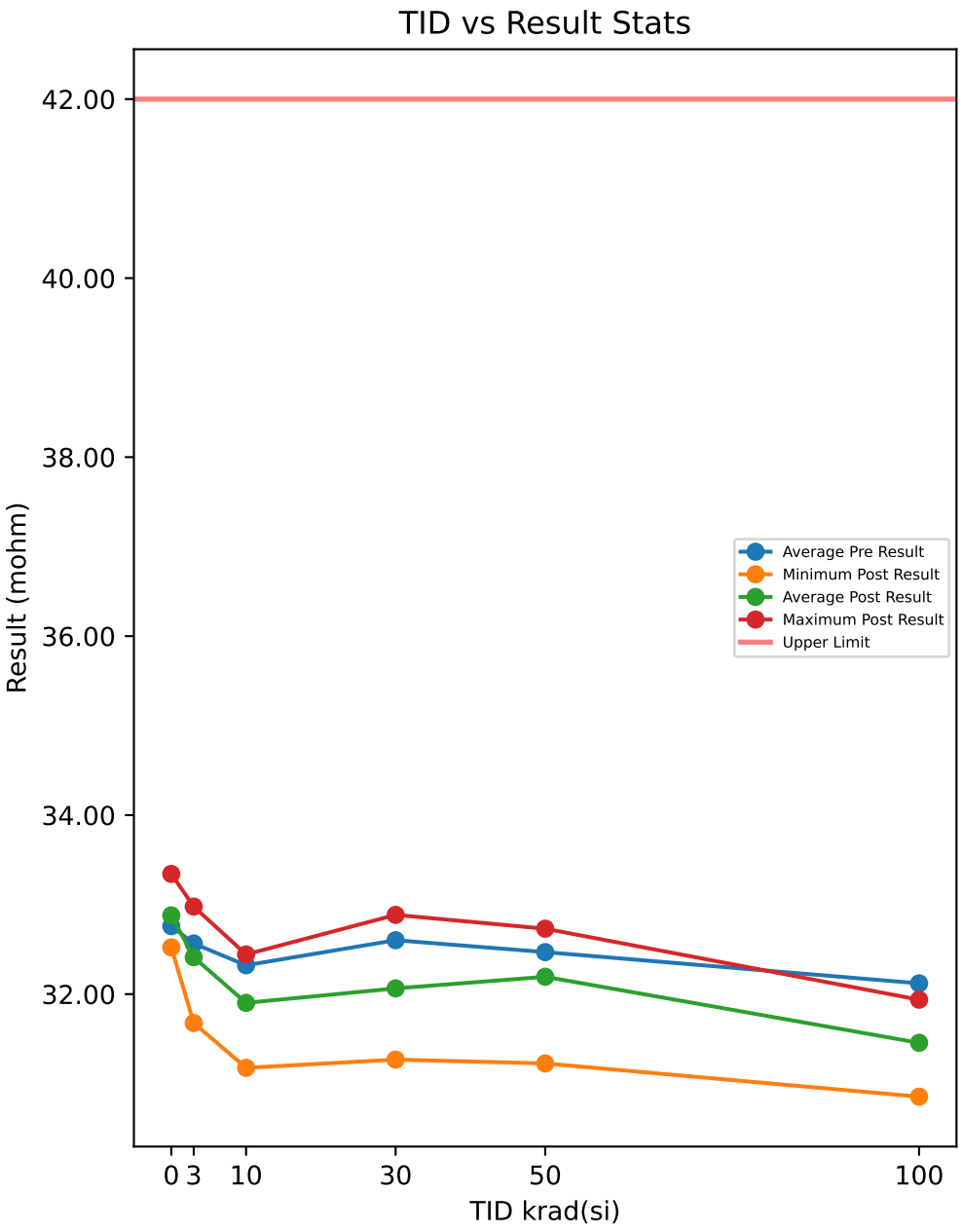
Test Results (Upper Limit = 42.0 (mohm))

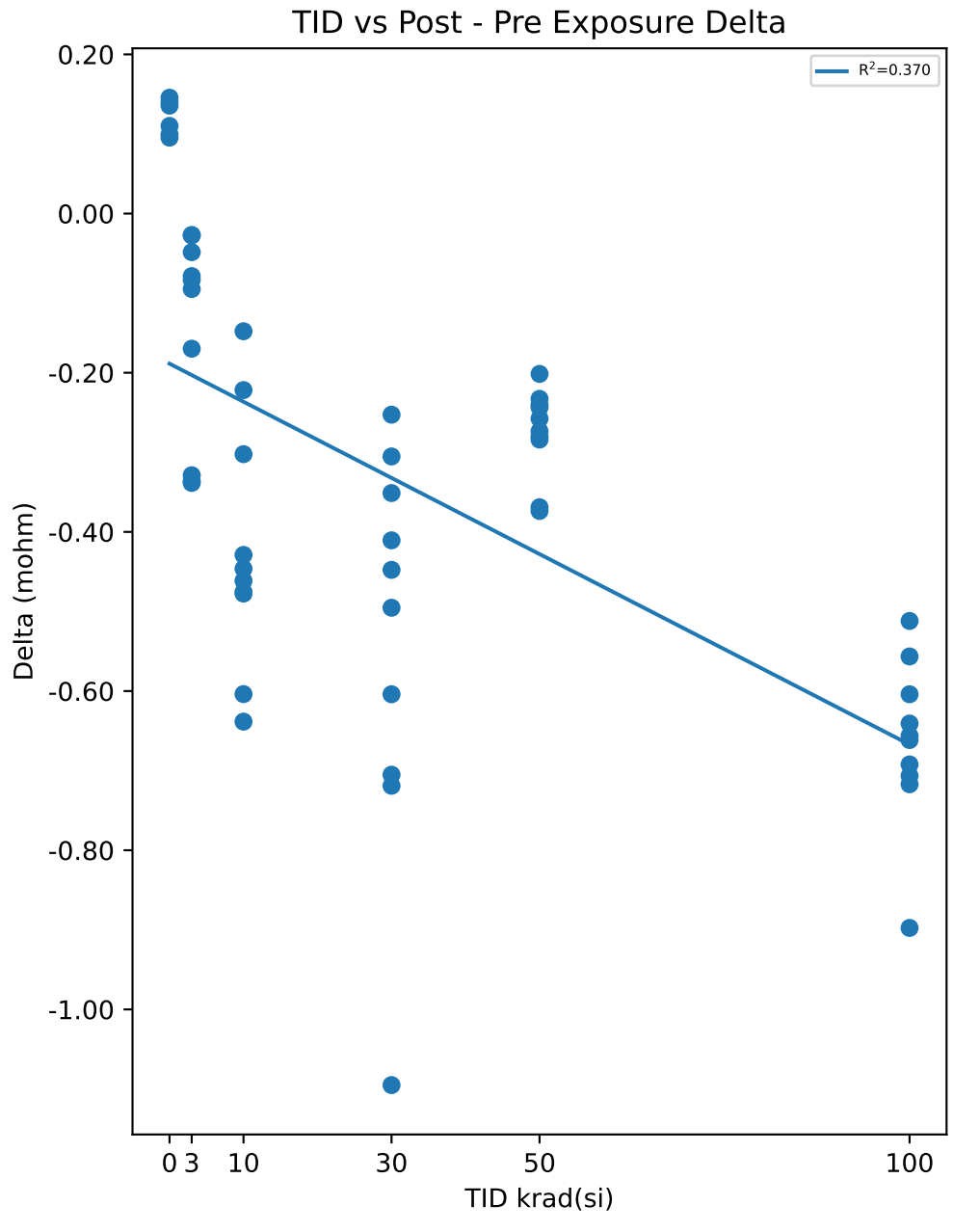
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	LDR Biased	32.468	32.141	-0.3274
2	3	LDR Biased	33.014	32.679	-0.3343
3	3	LDR Biased	32.642	32.302	-0.3409
4	3	LDR Biased	31.842	31.672	-0.1701
5	3	LDR Biased	32.535	32.505	-0.0299
6	10	LDR Biased	32.001	31.54	-0.4614
7	10	LDR Biased	32.086	31.445	-0.641
8	10	LDR Biased	32.248	31.644	-0.6038
9	10	LDR Biased	31.648	31.174	-0.4742
10	10	LDR Biased	32.887	32.438	-0.4488
11	30	LDR Biased	32.675	31.952	-0.7225
12	30	LDR Biased	32.361	31.265	-1.096
13	30	LDR Biased	32.474	31.767	-0.7071
14	30	LDR Biased	32.148	31.545	-0.6035
15	30	LDR Biased	33.292	32.88	-0.4122
16	50	LDR Biased	32.765	32.389	-0.3756
17	50	LDR Biased	32.801	32.429	-0.3717
18	50	LDR Biased	33.01	32.728	-0.2818
19	50	LDR Biased	32.688	32.426	-0.2619
20	50	LDR Biased	32.758	32.472	-0.286
21	100	LDR Biased	32.066	31.172	-0.8947
22	100	LDR Biased	32.294	31.634	-0.6608
23	100	LDR Biased	31.682	31.038	-0.6432
24	100	LDR Biased	32.209	31.55	-0.6582
25	100	LDR Biased	31.71	31.154	-0.5554
26	3	LDR Unbiased	32.402	32.307	-0.0954
27	3	LDR Unbiased	33.058	32.974	-0.0836
28	3	LDR Unbiased	32.778	32.749	-0.0288
29	3	LDR Unbiased	32.761	32.684	-0.0774
30	3	LDR Unbiased	32.116	32.065	-0.0504
31	10	LDR Unbiased	32.201	31.723	-0.4782
32	10	LDR Unbiased	32.867	32.44	-0.4269
33	10	LDR Unbiased	32.339	32.038	-0.3007
34	10	LDR Unbiased	32.411	32.189	-0.2226
35	10	LDR Unbiased	32.5	32.35	-0.1498
36	30	LDR Unbiased	32.768	32.272	-0.4955
37	30	LDR Unbiased	32.217	31.768	-0.4491
38	30	LDR Unbiased	31.967	31.618	-0.3493
39	30	LDR Unbiased	33.184	32.879	-0.3055
40	30	LDR Unbiased	32.907	32.653	-0.2538
41	50	LDR Unbiased	31.496	31.221	-0.2757
42	50	LDR Unbiased	32.049	31.803	-0.2456
43	50	LDR Unbiased	32.323	32.123	-0.2
44	50	LDR Unbiased	32.553	32.312	-0.2408
45	50	LDR Unbiased	32.22	31.989	-0.2308
46	100	LDR Unbiased	32.402	31.695	-0.7071
47	100	LDR Unbiased	32.422	31.707	-0.7151
48	100	LDR Unbiased	31.543	30.85	-0.6929
49	100	LDR Unbiased	32.392	31.785	-0.6077
50	100	LDR Unbiased	32.447	31.932	-0.5148
60	0	Correlation	32.575	32.711	0.1353
61	0	Correlation	33.19	33.289	0.0986
62	0	Correlation	32.407	32.52	0.1123
63	0	Correlation	32.505	32.603	0.098
64	0	Correlation	33.193	33.335	0.1422
65	0	Correlation	32.659	32.798	0.1397

Test Statistics (mohm)

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	32.407	32.755	33.193	0.34825	32.52	32.876	33.335	0.3511	0.098	0.12102	0.1422	0.020543
3	31.842	32.562	33.058	0.37939	31.672	32.408	32.974	0.38709	-0.3409	-0.15382	-0.0288	0.13074
10	31.648	32.319	32.887	0.3784	31.174	31.898	32.44	0.453	-0.641	-0.42074	-0.1498	0.15554
30	31.967	32.599	33.292	0.44381	31.265	32.06	32.88	0.57886	-1.096	-0.53945	-0.2538	0.25259
50	31.496	32.466	33.01	0.45158	31.221	32.189	32.728	0.43093	-0.3756	-0.27699	-0.2	0.057139
100	31.543	32.117	32.447	0.34734	30.85	31.452	31.932	0.36634	-0.8947	-0.66499	-0.5148	0.1034

Device Test: 21.21 _LEVEL|LOWSIDE/SW/14/12///@R_LOWSIDE_14V_25C





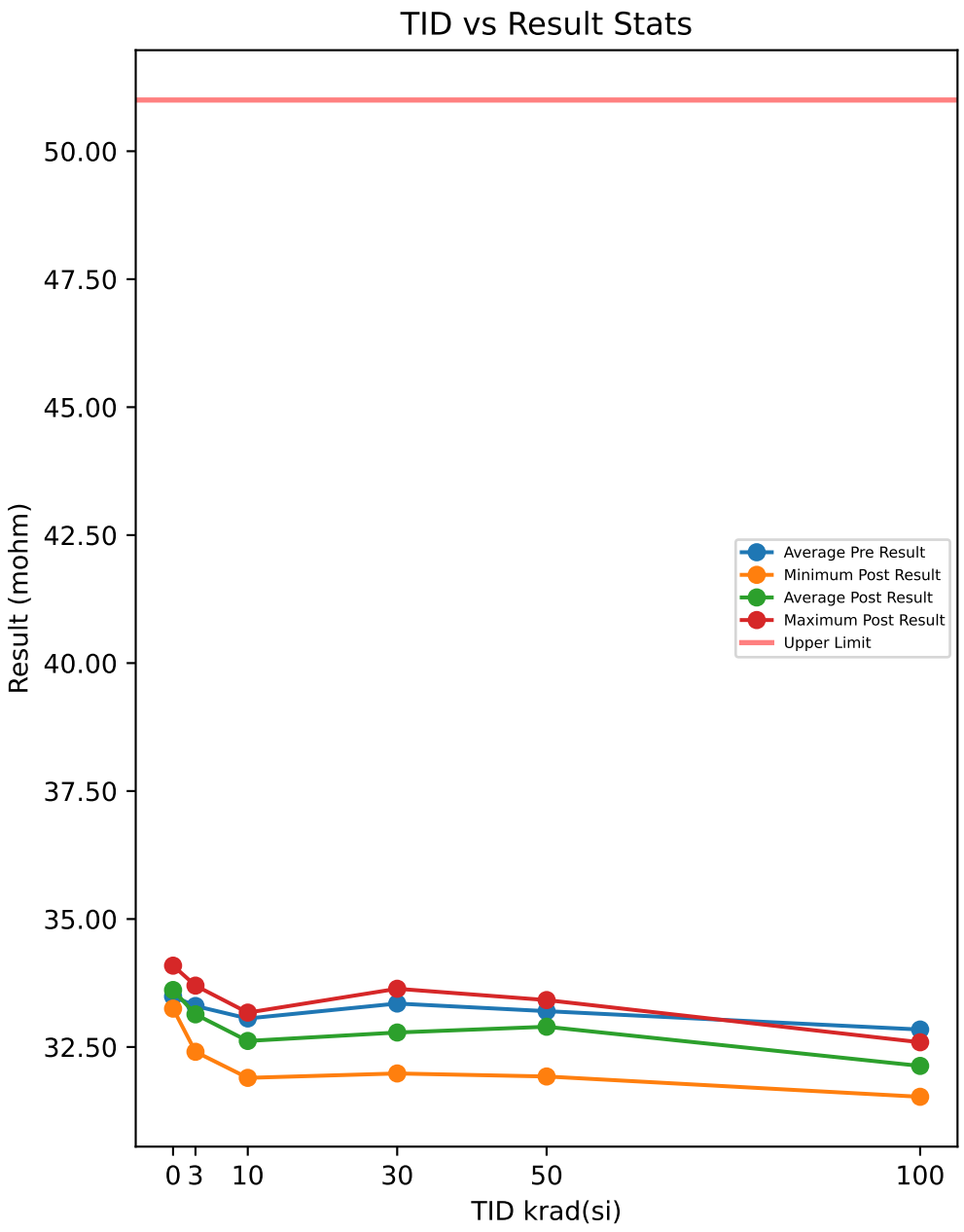
Test Results (Upper Limit = 42.0 (mohm))

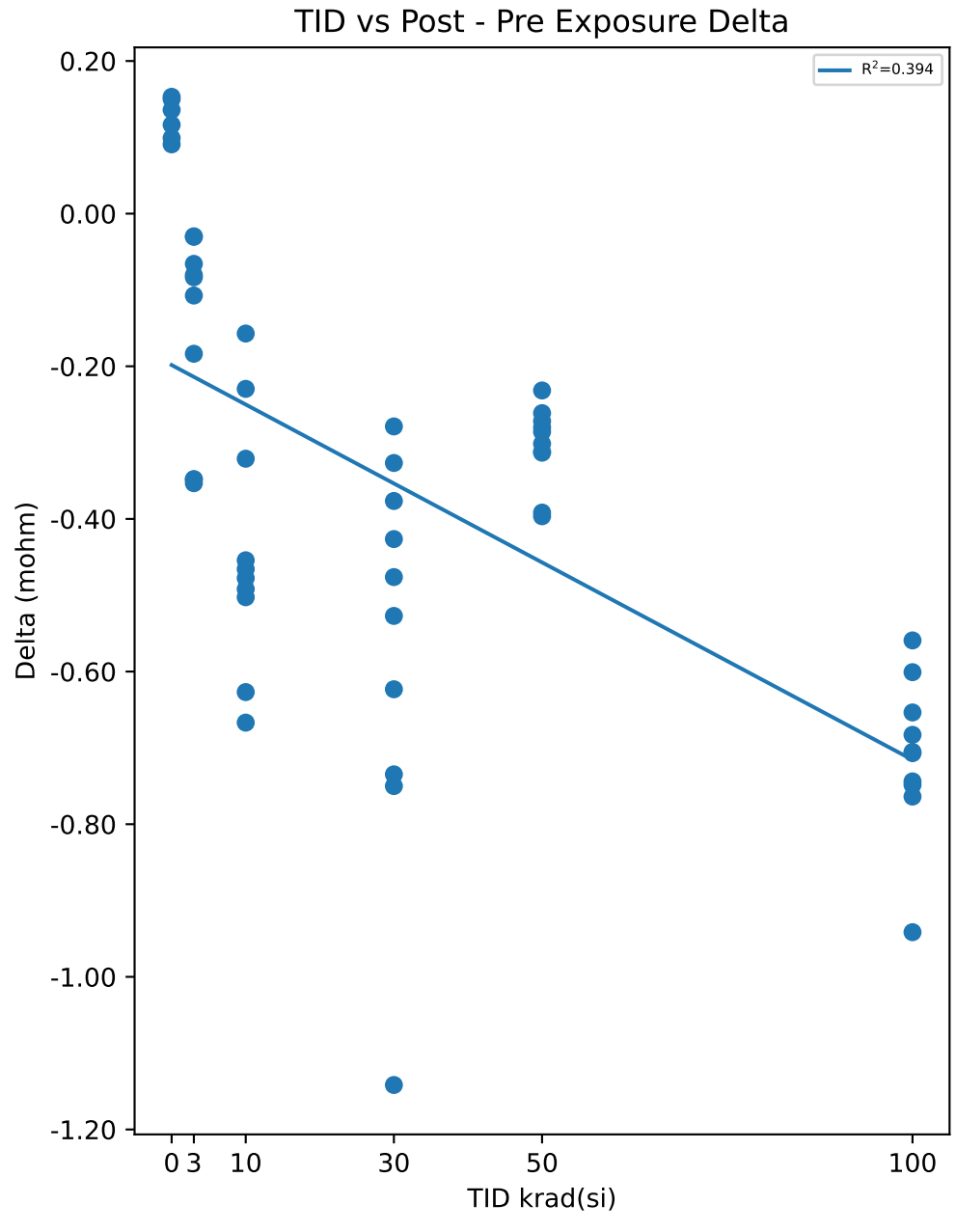
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	LDR Biased	32.472	32.143	-0.3288
2	3	LDR Biased	33.017	32.681	-0.3362
3	3	LDR Biased	32.645	32.307	-0.3385
4	3	LDR Biased	31.847	31.677	-0.1698
5	3	LDR Biased	32.54	32.512	-0.0275
6	10	LDR Biased	32.004	31.543	-0.4614
7	10	LDR Biased	32.09	31.452	-0.6384
8	10	LDR Biased	32.252	31.648	-0.6038
9	10	LDR Biased	31.652	31.177	-0.4755
10	10	LDR Biased	32.89	32.444	-0.4463
11	30	LDR Biased	32.677	31.958	-0.719
12	30	LDR Biased	32.364	31.268	-1.0951
13	30	LDR Biased	32.478	31.773	-0.7051
14	30	LDR Biased	32.151	31.547	-0.604
15	30	LDR Biased	33.296	32.885	-0.4106
16	50	LDR Biased	32.766	32.392	-0.3737
17	50	LDR Biased	32.805	32.436	-0.369
18	50	LDR Biased	33.011	32.731	-0.2802
19	50	LDR Biased	32.691	32.434	-0.2576
20	50	LDR Biased	32.761	32.477	-0.284
21	100	LDR Biased	32.071	31.174	-0.8976
22	100	LDR Biased	32.299	31.638	-0.6615
23	100	LDR Biased	31.685	31.044	-0.6408
24	100	LDR Biased	32.211	31.555	-0.6562
25	100	LDR Biased	31.714	31.158	-0.5565
26	3	LDR Unbiased	32.406	32.312	-0.0948
27	3	LDR Unbiased	33.062	32.978	-0.0835
28	3	LDR Unbiased	32.782	32.755	-0.0269
29	3	LDR Unbiased	32.764	32.685	-0.0786
30	3	LDR Unbiased	32.119	32.07	-0.0485
31	10	LDR Unbiased	32.204	31.727	-0.4775
32	10	LDR Unbiased	32.871	32.442	-0.4289
33	10	LDR Unbiased	32.343	32.04	-0.3023
34	10	LDR Unbiased	32.416	32.194	-0.2218
35	10	LDR Unbiased	32.504	32.356	-0.1479
36	30	LDR Unbiased	32.771	32.276	-0.4953
37	30	LDR Unbiased	32.219	31.772	-0.4477
38	30	LDR Unbiased	31.971	31.62	-0.3512
39	30	LDR Unbiased	33.188	32.883	-0.3052
40	30	LDR Unbiased	32.91	32.658	-0.2527
41	50	LDR Unbiased	31.499	31.226	-0.2735
42	50	LDR Unbiased	32.051	31.808	-0.2436
43	50	LDR Unbiased	32.327	32.125	-0.2015
44	50	LDR Unbiased	32.557	32.317	-0.2403
45	50	LDR Unbiased	32.225	31.992	-0.2328
46	100	LDR Unbiased	32.406	31.699	-0.7065
47	100	LDR Unbiased	32.425	31.708	-0.7171
48	100	LDR Unbiased	31.546	30.854	-0.6922
49	100	LDR Unbiased	32.396	31.792	-0.604
50	100	LDR Unbiased	32.45	31.938	-0.5119
60	0	Correlation	32.577	32.713	0.1356
61	0	Correlation	33.197	33.292	0.0954
62	0	Correlation	32.412	32.522	0.1101
63	0	Correlation	32.509	32.608	0.0994
64	0	Correlation	33.197	33.343	0.1456
65	0	Correlation	32.663	32.803	0.14

Test Statistics (mohm)

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	32.412	32.759	33.197	0.34902	32.522	32.88	33.343	0.35216	0.0954	0.12102	0.1456	0.022
3	31.847	32.565	33.062	0.37917	31.677	32.412	32.978	0.38673	-0.3385	-0.15331	-0.0269	0.13144
10	31.652	32.323	32.89	0.37835	31.177	31.902	32.444	0.45319	-0.6384	-0.42038	-0.1479	0.15547
30	31.971	32.603	33.296	0.4439	31.268	32.064	32.885	0.57929	-1.0951	-0.53859	-0.2527	0.25212
50	31.499	32.469	33.011	0.4513	31.226	32.194	32.731	0.43101	-0.3737	-0.27562	-0.2015	0.056135
100	31.546	32.12	32.45	0.34725	30.854	31.456	31.938	0.3668	-0.8976	-0.66443	-0.5119	0.10482

Device Test: 21.3 _LEVEL|LOWSIDE/SW/4.5/12///@R_LOWSIDE_4V_25C





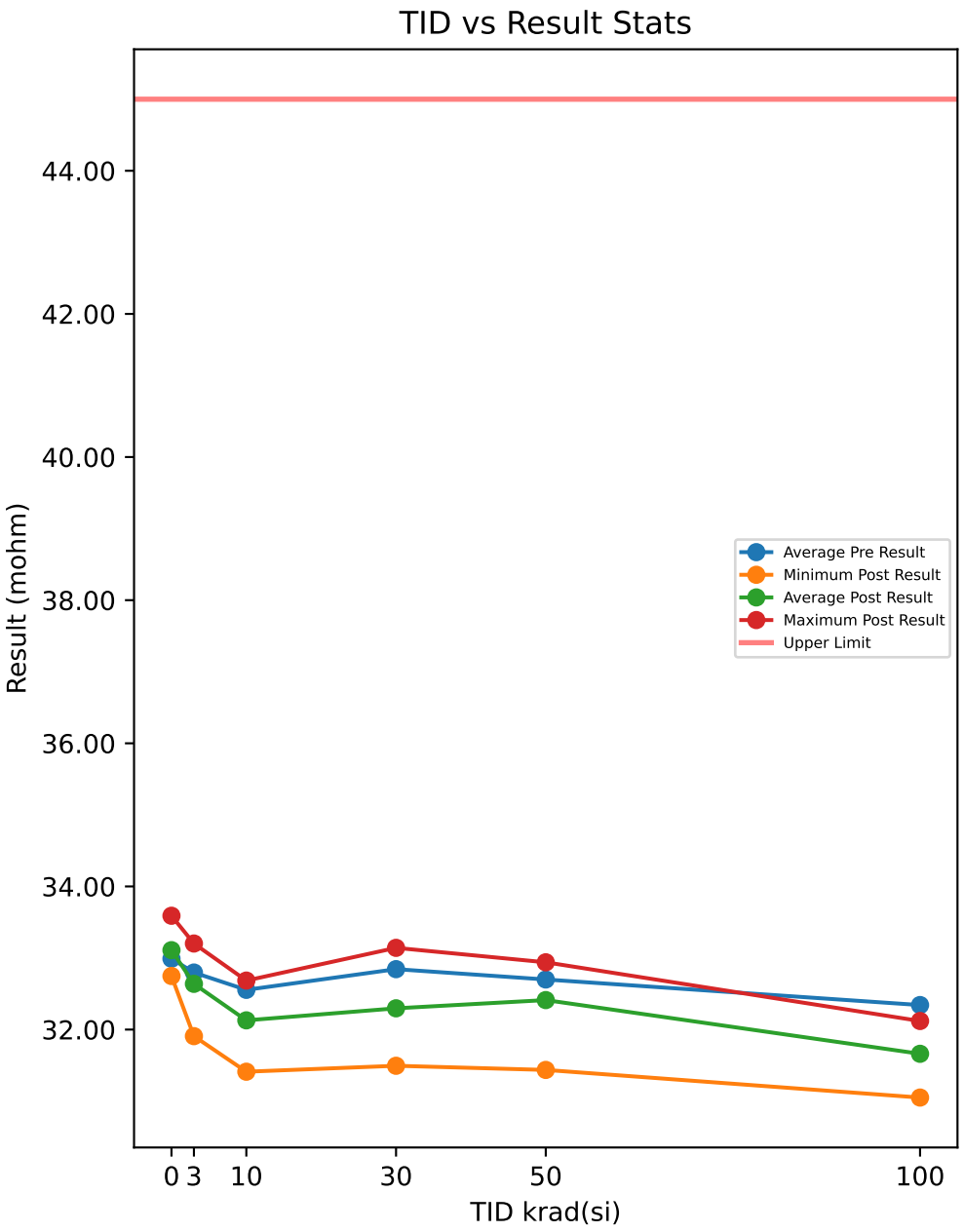
Test Results (Upper Limit = 51.0 (mohm))

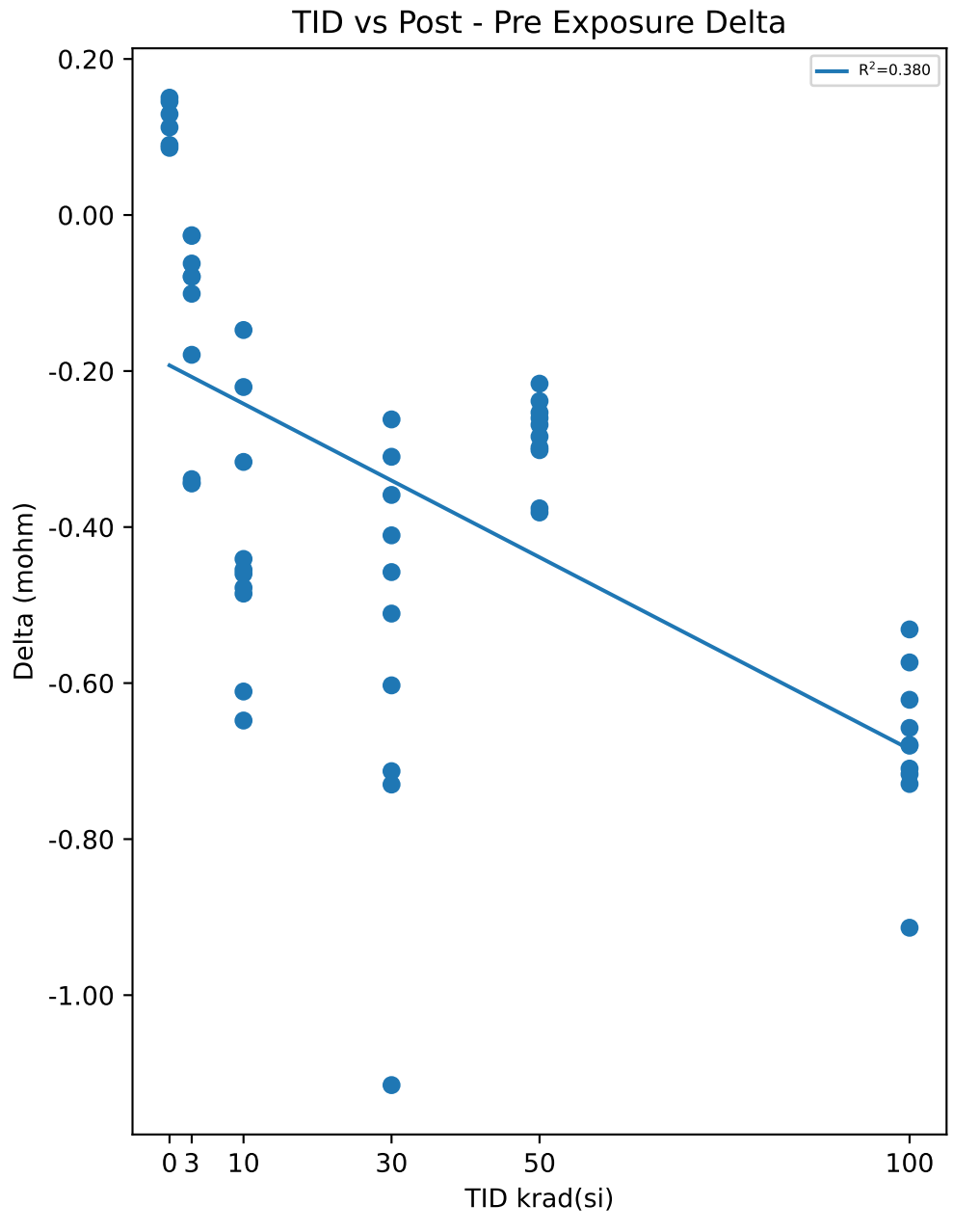
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	LDR Biased	33.214	32.866	-0.3479
2	3	LDR Biased	33.769	33.421	-0.3482
3	3	LDR Biased	33.4	33.046	-0.3532
4	3	LDR Biased	32.59	32.406	-0.1836
5	3	LDR Biased	33.257	33.227	-0.0297
6	10	LDR Biased	32.712	32.235	-0.4776
7	10	LDR Biased	32.824	32.157	-0.6669
8	10	LDR Biased	32.994	32.367	-0.6269
9	10	LDR Biased	32.389	31.897	-0.4919
10	10	LDR Biased	33.638	33.172	-0.4658
11	30	LDR Biased	33.408	32.658	-0.75
12	30	LDR Biased	33.125	31.983	-1.1417
13	30	LDR Biased	33.208	32.474	-0.7347
14	30	LDR Biased	32.897	32.274	-0.6232
15	30	LDR Biased	34.064	33.638	-0.4264
16	50	LDR Biased	33.51	33.119	-0.3917
17	50	LDR Biased	33.557	33.16	-0.3965
18	50	LDR Biased	33.729	33.417	-0.312
19	50	LDR Biased	33.421	33.135	-0.2859
20	50	LDR Biased	33.486	33.173	-0.3132
21	100	LDR Biased	32.778	31.837	-0.9415
22	100	LDR Biased	33.029	32.322	-0.7069
23	100	LDR Biased	32.402	31.719	-0.6829
24	100	LDR Biased	32.908	32.203	-0.7053
25	100	LDR Biased	32.449	31.848	-0.6008
26	3	LDR Unbiased	33.158	33.051	-0.1073
27	3	LDR Unbiased	33.782	33.699	-0.0834
28	3	LDR Unbiased	33.508	33.478	-0.0304
29	3	LDR Unbiased	33.487	33.406	-0.0804
30	3	LDR Unbiased	32.844	32.778	-0.0658
31	10	LDR Unbiased	32.928	32.426	-0.5026
32	10	LDR Unbiased	33.623	33.169	-0.4542
33	10	LDR Unbiased	33.084	32.763	-0.3211
34	10	LDR Unbiased	33.155	32.925	-0.2296
35	10	LDR Unbiased	33.228	33.071	-0.1571
36	30	LDR Unbiased	33.504	32.977	-0.5271
37	30	LDR Unbiased	32.968	32.492	-0.4762
38	30	LDR Unbiased	32.702	32.325	-0.3765
39	30	LDR Unbiased	33.943	33.616	-0.3267
40	30	LDR Unbiased	33.671	33.392	-0.2788
41	50	LDR Unbiased	32.225	31.924	-0.3015
42	50	LDR Unbiased	32.762	32.481	-0.2801
43	50	LDR Unbiased	33.055	32.824	-0.2317
44	50	LDR Unbiased	33.291	33.02	-0.2718
45	50	LDR Unbiased	32.966	32.705	-0.2614
46	100	LDR Unbiased	33.134	32.39	-0.7439
47	100	LDR Unbiased	33.151	32.388	-0.7638
48	100	LDR Unbiased	32.276	31.527	-0.7485
49	100	LDR Unbiased	33.132	32.479	-0.6536
50	100	LDR Unbiased	33.152	32.592	-0.5592
60	0	Correlation	33.302	33.438	0.1359
61	0	Correlation	33.946	34.037	0.0908
62	0	Correlation	33.133	33.25	0.1164
63	0	Correlation	33.226	33.325	0.0991
64	0	Correlation	33.936	34.089	0.1531
65	0	Correlation	33.389	33.539	0.1501

Test Statistics (mohm)

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	33.133	33.489	33.946	0.36047	33.25	33.613	34.089	0.36266	0.0908	0.12423	0.1531	0.026265
3	32.59	33.301	33.782	0.37751	32.406	33.138	33.699	0.38659	-0.3532	-0.16299	-0.0297	0.13587
10	32.389	33.057	33.638	0.38545	31.897	32.618	33.172	0.46068	-0.6669	-0.43937	-0.1571	0.16116
30	32.702	33.349	34.064	0.45136	31.983	32.783	33.638	0.5905	-1.1417	-0.56613	-0.2788	0.25857
50	32.225	33.2	33.729	0.45456	31.924	32.896	33.417	0.43436	-0.3965	-0.30458	-0.2317	0.0531
100	32.276	32.841	33.152	0.34538	31.527	32.13	32.592	0.36659	-0.9415	-0.71064	-0.5592	0.1042

Device Test: 21.8 _LEVEL|LOWSIDE/SW/5/2///@R_LOWSIDE_5V_25C





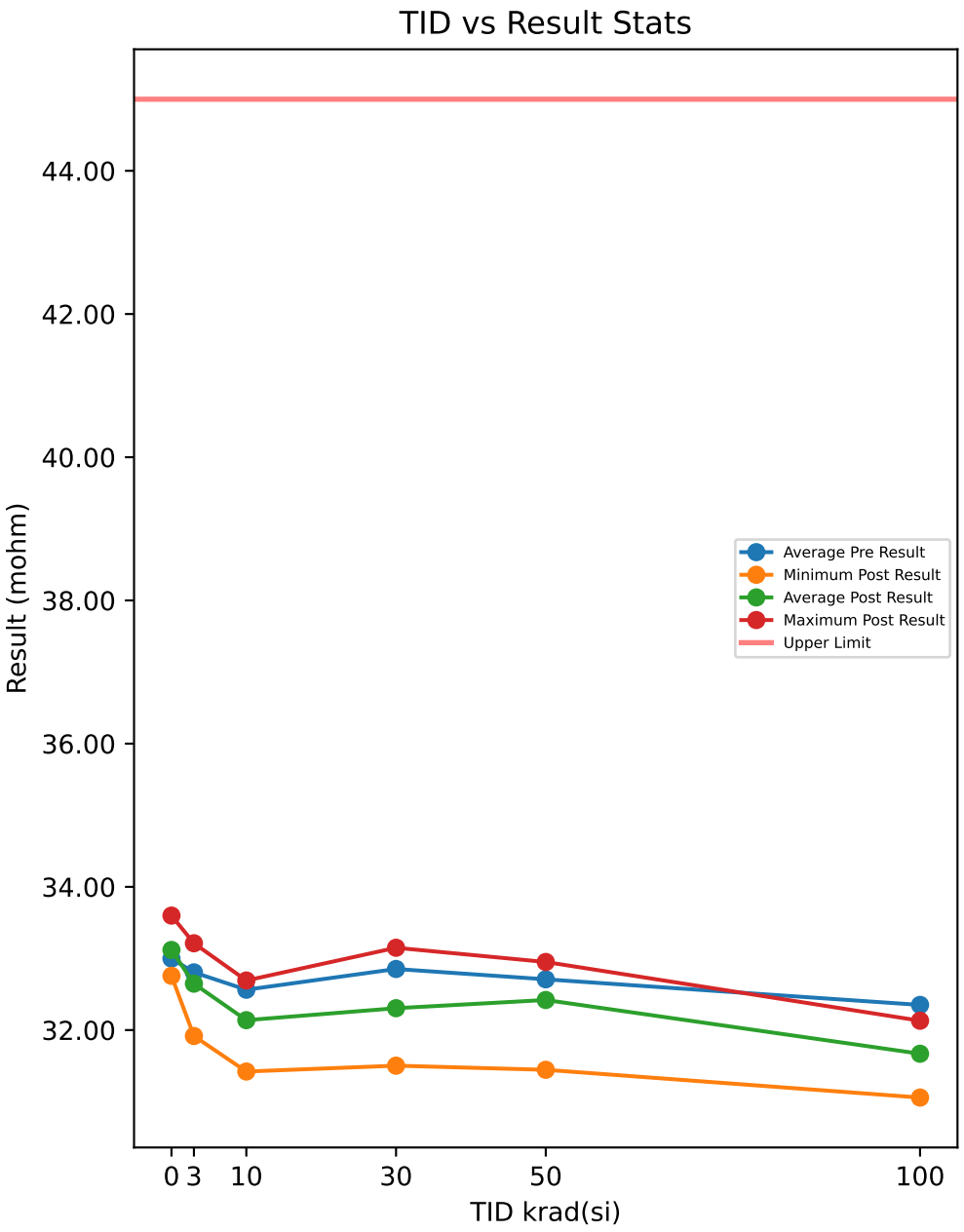
Test Results (Upper Limit = 45.0 (mohm))

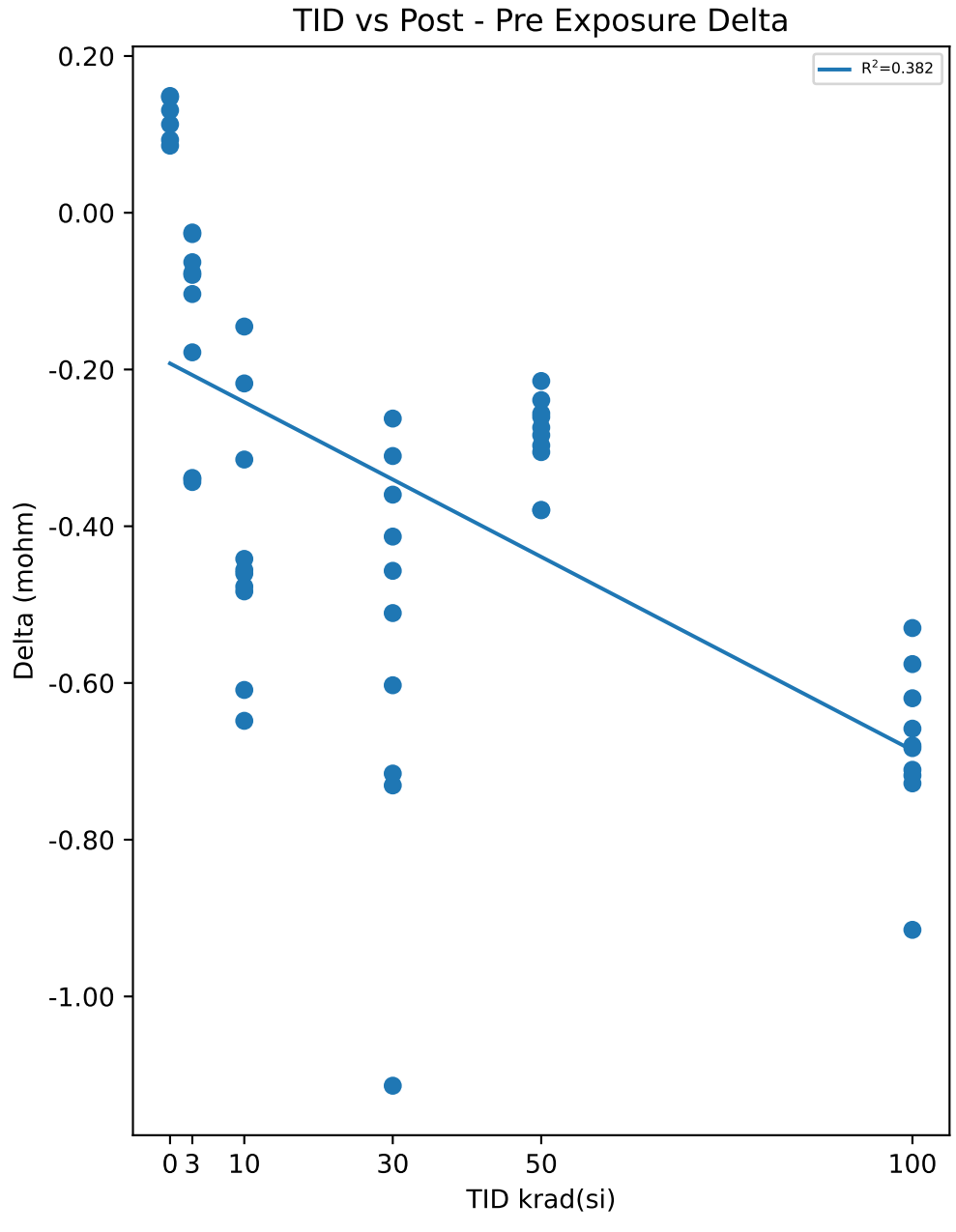
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	LDR Biased	32.701	32.358	-0.3433
2	3	LDR Biased	33.26	32.922	-0.3386
3	3	LDR Biased	32.89	32.546	-0.3441
4	3	LDR Biased	32.087	31.908	-0.1792
5	3	LDR Biased	32.757	32.73	-0.0267
6	10	LDR Biased	32.218	31.759	-0.4599
7	10	LDR Biased	32.319	31.671	-0.648
8	10	LDR Biased	32.492	31.882	-0.6108
9	10	LDR Biased	31.889	31.411	-0.4778
10	10	LDR Biased	33.117	32.662	-0.4547
11	30	LDR Biased	32.909	32.179	-0.73
12	30	LDR Biased	32.609	31.494	-1.1153
13	30	LDR Biased	32.704	31.991	-0.7129
14	30	LDR Biased	32.4	31.797	-0.6029
15	30	LDR Biased	33.552	33.142	-0.4106
16	50	LDR Biased	33.015	32.639	-0.376
17	50	LDR Biased	33.053	32.672	-0.3813
18	50	LDR Biased	33.238	32.94	-0.2981
19	50	LDR Biased	32.905	32.636	-0.2689
20	50	LDR Biased	32.989	32.688	-0.3014
21	100	LDR Biased	32.28	31.367	-0.9136
22	100	LDR Biased	32.534	31.854	-0.6802
23	100	LDR Biased	31.902	31.245	-0.6575
24	100	LDR Biased	32.409	31.73	-0.6792
25	100	LDR Biased	31.951	31.378	-0.5735
26	3	LDR Unbiased	32.65	32.549	-0.1009
27	3	LDR Unbiased	33.282	33.202	-0.0792
28	3	LDR Unbiased	33.009	32.983	-0.0259
29	3	LDR Unbiased	32.989	32.911	-0.0788
30	3	LDR Unbiased	32.341	32.278	-0.0622
31	10	LDR Unbiased	32.417	31.932	-0.4853
32	10	LDR Unbiased	33.126	32.685	-0.4409
33	10	LDR Unbiased	32.586	32.269	-0.3165
34	10	LDR Unbiased	32.66	32.44	-0.2205
35	10	LDR Unbiased	32.725	32.578	-0.1474
36	30	LDR Unbiased	33.013	32.502	-0.5109
37	30	LDR Unbiased	32.46	32.003	-0.4577
38	30	LDR Unbiased	32.198	31.839	-0.3588
39	30	LDR Unbiased	33.43	33.12	-0.3099
40	30	LDR Unbiased	33.165	32.903	-0.262
41	50	LDR Unbiased	31.72	31.436	-0.284
42	50	LDR Unbiased	32.26	31.999	-0.2602
43	50	LDR Unbiased	32.562	32.346	-0.2162
44	50	LDR Unbiased	32.787	32.534	-0.2532
45	50	LDR Unbiased	32.467	32.229	-0.2385
46	100	LDR Unbiased	32.636	31.927	-0.7096
47	100	LDR Unbiased	32.662	31.932	-0.7293
48	100	LDR Unbiased	31.767	31.05	-0.7167
49	100	LDR Unbiased	32.633	32.011	-0.6214
50	100	LDR Unbiased	32.651	32.12	-0.5312
60	0	Correlation	32.805	32.934	0.1293
61	0	Correlation	33.443	33.529	0.0861
62	0	Correlation	32.636	32.748	0.1123
63	0	Correlation	32.732	32.822	0.0898
64	0	Correlation	33.44	33.59	0.1504
65	0	Correlation	32.887	33.032	0.1455

Test Statistics (mohm)

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	32.636	32.99	33.443	0.35917	32.748	33.109	33.59	0.36269	0.0861	0.1189	0.1504	0.027474
3	32.087	32.797	33.282	0.37781	31.908	32.639	33.202	0.38844	-0.3441	-0.15789	-0.0259	0.13402
10	31.889	32.555	33.126	0.38263	31.411	32.129	32.685	0.45621	-0.648	-0.42618	-0.1474	0.15765
30	32.198	32.844	33.552	0.44933	31.494	32.297	33.142	0.58678	-1.1153	-0.5471	-0.262	0.25557
50	31.72	32.7	33.238	0.45633	31.436	32.412	32.94	0.43457	-0.3813	-0.28778	-0.2162	0.054467
100	31.767	32.343	32.662	0.34815	31.05	31.661	32.12	0.37008	-0.9136	-0.68122	-0.5312	0.10362

Device Test: 21.9 _LEVEL|LOWSIDE/SW/5/12///@R_LOWSIDE_5V_25C





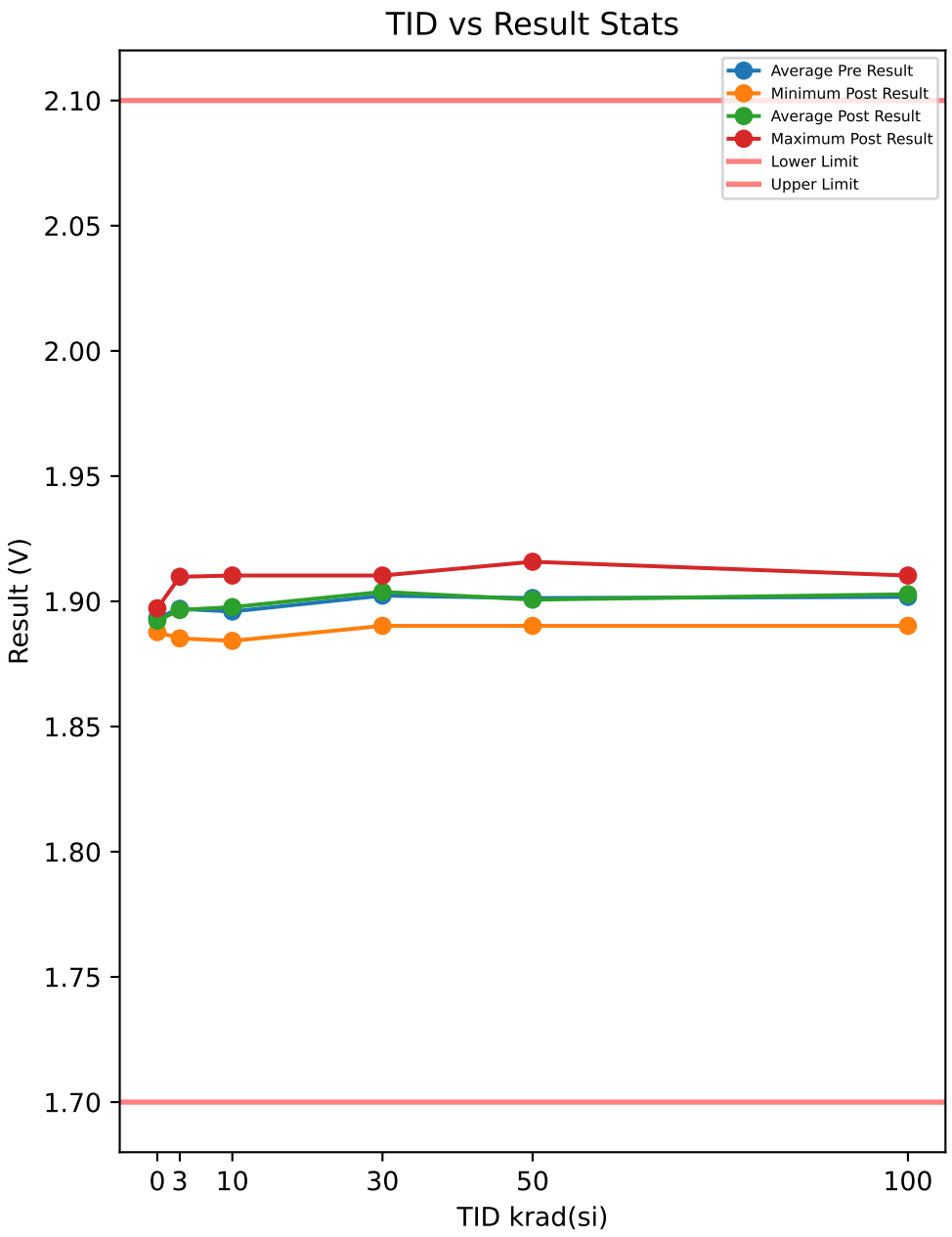
Test Results (Upper Limit = 45.0 (mohm))

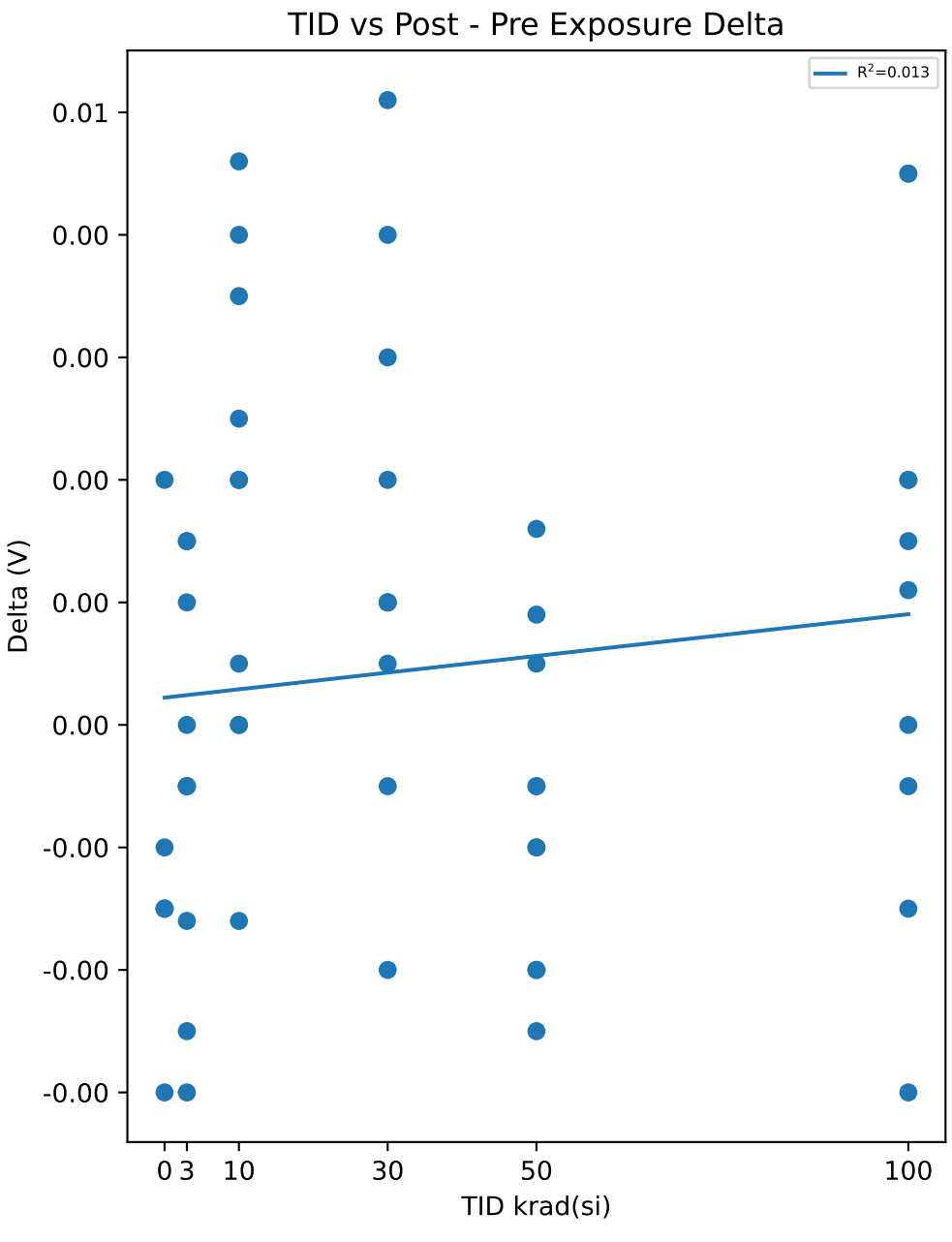
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	LDR Biased	32.71	32.37	-0.3397
2	3	LDR Biased	33.269	32.931	-0.3384
3	3	LDR Biased	32.899	32.555	-0.3436
4	3	LDR Biased	32.095	31.917	-0.1781
5	3	LDR Biased	32.765	32.738	-0.0272
6	10	LDR Biased	32.225	31.765	-0.4604
7	10	LDR Biased	32.327	31.679	-0.6483
8	10	LDR Biased	32.5	31.891	-0.6089
9	10	LDR Biased	31.898	31.421	-0.477
10	10	LDR Biased	33.127	32.671	-0.4557
11	30	LDR Biased	32.916	32.185	-0.7307
12	30	LDR Biased	32.617	31.503	-1.1139
13	30	LDR Biased	32.714	31.998	-0.7156
14	30	LDR Biased	32.408	31.805	-0.6029
15	30	LDR Biased	33.562	33.149	-0.4132
16	50	LDR Biased	33.025	32.646	-0.3792
17	50	LDR Biased	33.061	32.681	-0.3796
18	50	LDR Biased	33.248	32.951	-0.297
19	50	LDR Biased	32.915	32.641	-0.274
20	50	LDR Biased	32.998	32.693	-0.3054
21	100	LDR Biased	32.289	31.374	-0.915
22	100	LDR Biased	32.542	31.862	-0.6799
23	100	LDR Biased	31.911	31.253	-0.6583
24	100	LDR Biased	32.419	31.736	-0.6831
25	100	LDR Biased	31.959	31.383	-0.5759
26	3	LDR Unbiased	32.66	32.556	-0.1037
27	3	LDR Unbiased	33.291	33.212	-0.0793
28	3	LDR Unbiased	33.017	32.991	-0.0252
29	3	LDR Unbiased	32.999	32.922	-0.0767
30	3	LDR Unbiased	32.35	32.287	-0.0631
31	10	LDR Unbiased	32.426	31.943	-0.4831
32	10	LDR Unbiased	33.134	32.692	-0.4417
33	10	LDR Unbiased	32.593	32.279	-0.3149
34	10	LDR Unbiased	32.668	32.45	-0.2178
35	10	LDR Unbiased	32.734	32.589	-0.1452
36	30	LDR Unbiased	33.021	32.51	-0.5108
37	30	LDR Unbiased	32.469	32.012	-0.4569
38	30	LDR Unbiased	32.208	31.848	-0.3597
39	30	LDR Unbiased	33.439	33.129	-0.3104
40	30	LDR Unbiased	33.174	32.911	-0.2626
41	50	LDR Unbiased	31.729	31.445	-0.2838
42	50	LDR Unbiased	32.268	32.007	-0.2605
43	50	LDR Unbiased	32.572	32.357	-0.2147
44	50	LDR Unbiased	32.796	32.54	-0.2561
45	50	LDR Unbiased	32.476	32.236	-0.2391
46	100	LDR Unbiased	32.645	31.934	-0.7108
47	100	LDR Unbiased	32.669	31.941	-0.7281
48	100	LDR Unbiased	31.775	31.057	-0.718
49	100	LDR Unbiased	32.64	32.021	-0.6195
50	100	LDR Unbiased	32.66	32.13	-0.5299
60	0	Correlation	32.812	32.943	0.1308
61	0	Correlation	33.452	33.538	0.0856
62	0	Correlation	32.644	32.757	0.1128
63	0	Correlation	32.739	32.833	0.0931
64	0	Correlation	33.45	33.599	0.149
65	0	Correlation	32.895	33.043	0.1474

Test Statistics (mohm)

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	32.644	32.999	33.452	0.35968	32.757	33.119	33.599	0.3619	0.0856	0.11978	0.149	0.027081
3	32.095	32.806	33.291	0.37796	31.917	32.648	33.212	0.38847	-0.3436	-0.1575	-0.0252	0.1333
10	31.898	32.563	33.134	0.38304	31.421	32.138	32.692	0.45654	-0.6483	-0.4253	-0.1452	0.15832
30	32.208	32.853	33.562	0.44954	31.503	32.305	33.149	0.58665	-1.1139	-0.54767	-0.2626	0.25516
50	31.729	32.709	33.248	0.45662	31.445	32.42	32.951	0.43428	-0.3796	-0.28894	-0.2147	0.054604
100	31.775	32.351	32.669	0.34808	31.057	31.669	32.13	0.371	-0.915	-0.68185	-0.5299	0.10403

Device Test: 22.1 _LEVEL|RISE/COMP/4.5////@V_COMP_SD





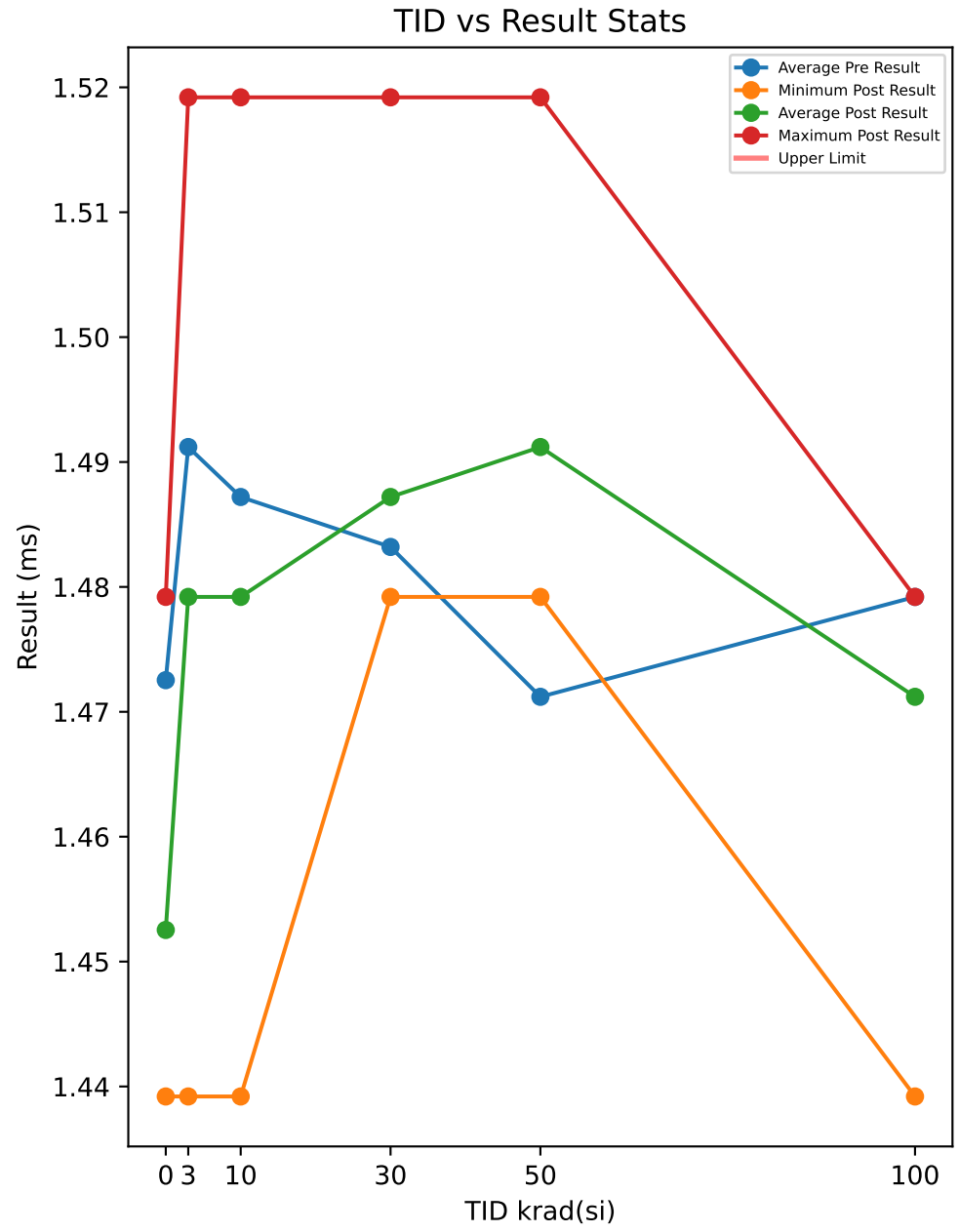
Test Results (Lower Limit = 1.7, Upper Limit = 2.1 (V))

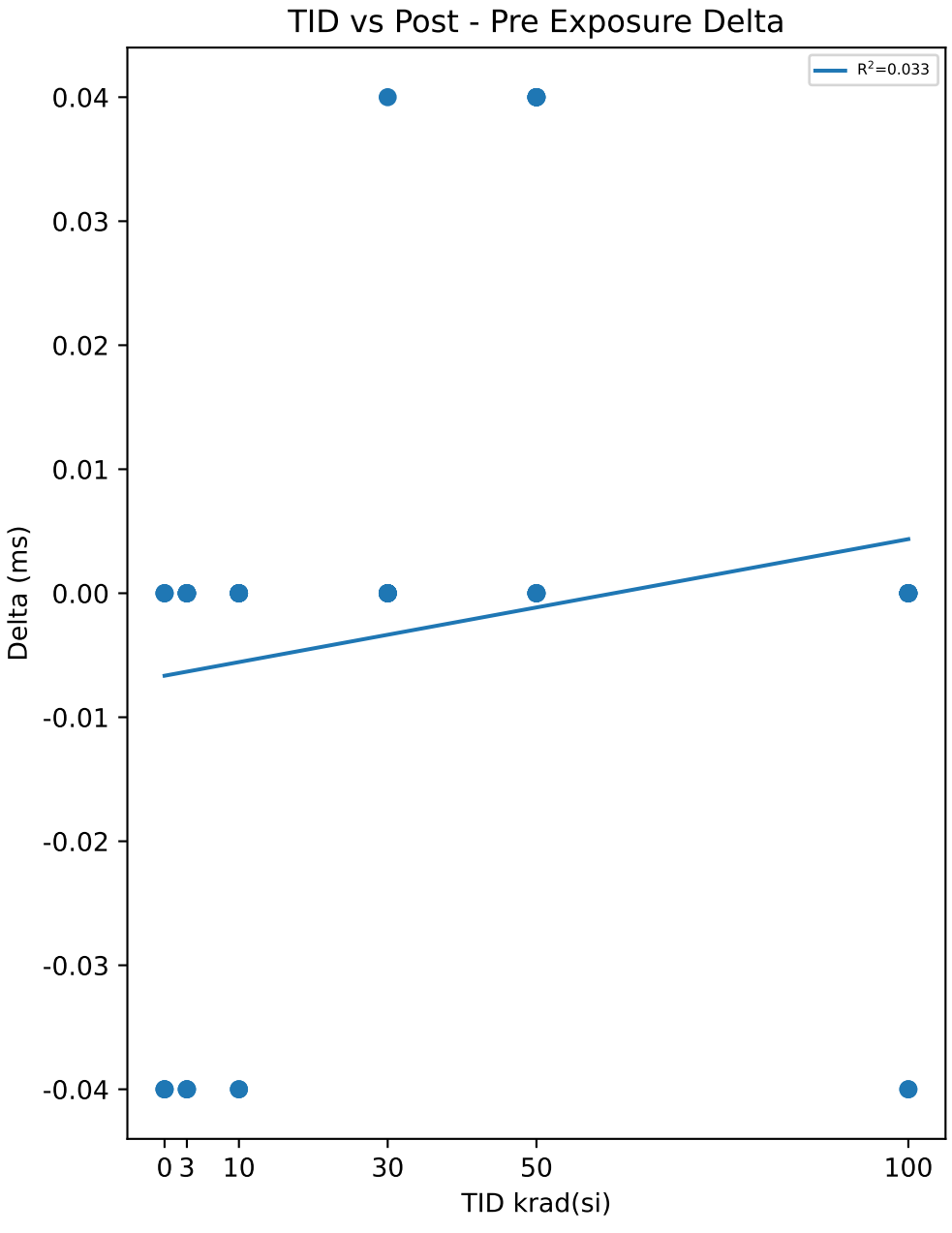
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	LDR Biased	1.9058	1.9073	0.0015
2	3	LDR Biased	1.8927	1.8942	0.0015
3	3	LDR Biased	1.8892	1.8902	0.001
4	3	LDR Biased	1.9018	1.9013	-0.0005
5	3	LDR Biased	1.8927	1.8902	-0.0025
6	10	LDR Biased	1.8932	1.8972	0.004
7	10	LDR Biased	1.8982	1.9028	0.0046
8	10	LDR Biased	1.8967	1.9002	0.0035
9	10	LDR Biased	1.8817	1.8842	0.0025
10	10	LDR Biased	1.8882	1.8902	0.002
11	30	LDR Biased	1.8982	1.9033	0.0051
12	30	LDR Biased	1.9053	1.9093	0.004
13	30	LDR Biased	1.9073	1.9103	0.003
14	30	LDR Biased	1.9093	1.9103	0.001
15	30	LDR Biased	1.9023	1.9018	-0.0005
16	50	LDR Biased	1.8998	1.9007	0.0009
17	50	LDR Biased	1.8967	1.8972	0.0005
18	50	LDR Biased	1.8977	1.8972	-0.0005
19	50	LDR Biased	1.8927	1.8922	-0.0005
20	50	LDR Biased	1.9058	1.9048	-0.001
21	100	LDR Biased	1.8932	1.8977	0.0045
22	100	LDR Biased	1.9083	1.9083	0
23	100	LDR Biased	1.8972	1.8987	0.0015
24	100	LDR Biased	1.8932	1.8902	-0.003
25	100	LDR Biased	1.9118	1.9103	-0.0015
26	3	LDR Unbiased	1.9103	1.9098	-0.0005
27	3	LDR Unbiased	1.8967	1.8967	0
28	3	LDR Unbiased	1.8857	1.8852	-0.0005
29	3	LDR Unbiased	1.9018	1.9002	-0.0016
30	3	LDR Unbiased	1.8932	1.8902	-0.003
31	10	LDR Unbiased	1.8922	1.8942	0.002
32	10	LDR Unbiased	1.9103	1.9103	0
33	10	LDR Unbiased	1.9028	1.9033	0.0005
34	10	LDR Unbiased	1.8967	1.8967	0
35	10	LDR Unbiased	1.8993	1.8977	-0.0016
36	30	LDR Unbiased	1.8922	1.8902	-0.002
37	30	LDR Unbiased	1.9083	1.9093	0.001
38	30	LDR Unbiased	1.9033	1.9053	0.002
39	30	LDR Unbiased	1.8922	1.8927	0.0005
40	30	LDR Unbiased	1.9043	1.9053	0.001
41	50	LDR Unbiased	1.8982	1.8998	0.0016
42	50	LDR Unbiased	1.8922	1.8902	-0.002
43	50	LDR Unbiased	1.9073	1.9048	-0.0025
44	50	LDR Unbiased	1.9058	1.9038	-0.002
45	50	LDR Unbiased	1.9168	1.9158	-0.001
46	100	LDR Unbiased	1.9007	1.9018	0.0011
47	100	LDR Unbiased	1.9058	1.9078	0.002
48	100	LDR Unbiased	1.8998	1.9043	0.0045
49	100	LDR Unbiased	1.9018	1.9013	-0.0005
50	100	LDR Unbiased	1.9058	1.9078	0.002
60	0	Correlation	1.8932	1.8902	-0.003
61	0	Correlation	1.8932	1.8952	0.002
62	0	Correlation	1.8897	1.8882	-0.0015
63	0	Correlation	1.8982	1.8972	-0.001
64	0	Correlation	1.8892	1.8877	-0.0015
65	0	Correlation	1.8967	1.8952	-0.0015

Test Statistics (V)

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	1.8892	1.8934	1.8982	0.0036148	1.8877	1.8923	1.8972	0.0040794	-0.003	-0.0010833	0.002	0.0016558
3	1.8857	1.897	1.9103	0.0077492	1.8852	1.8965	1.9098	0.0080439	-0.003	-0.00046	0.0015	0.0015615
10	1.8817	1.8959	1.9103	0.0078528	1.8842	1.8977	1.9103	0.0072601	-0.0016	0.00175	0.0046	0.0019957
30	1.8922	1.9023	1.9093	0.0061898	1.8902	1.9038	1.9103	0.0071641	-0.002	0.00151	0.0051	0.0021005
50	1.8922	1.9013	1.9168	0.0075975	1.8902	1.9006	1.9158	0.0072955	-0.0025	-0.00065	0.0016	0.0013394
100	1.8932	1.9018	1.9118	0.0062229	1.8902	1.9028	1.9103	0.0061786	-0.003	0.00106	0.0045	0.0024089

Device Test: 22.10 _TIMING|STARTUP/SS_TR/5////@T_SS_5P6NF





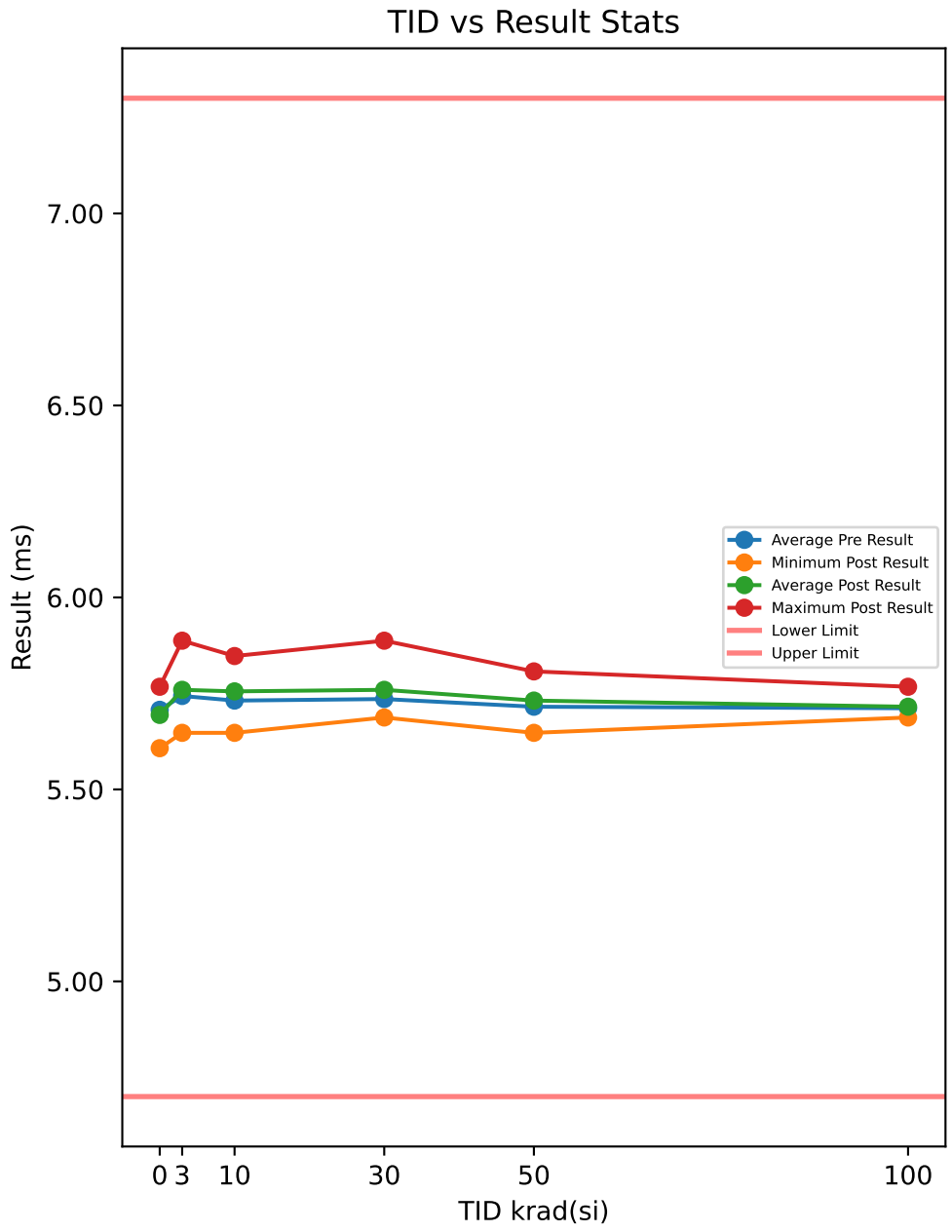
Test Results (No Limits Specified (ms))

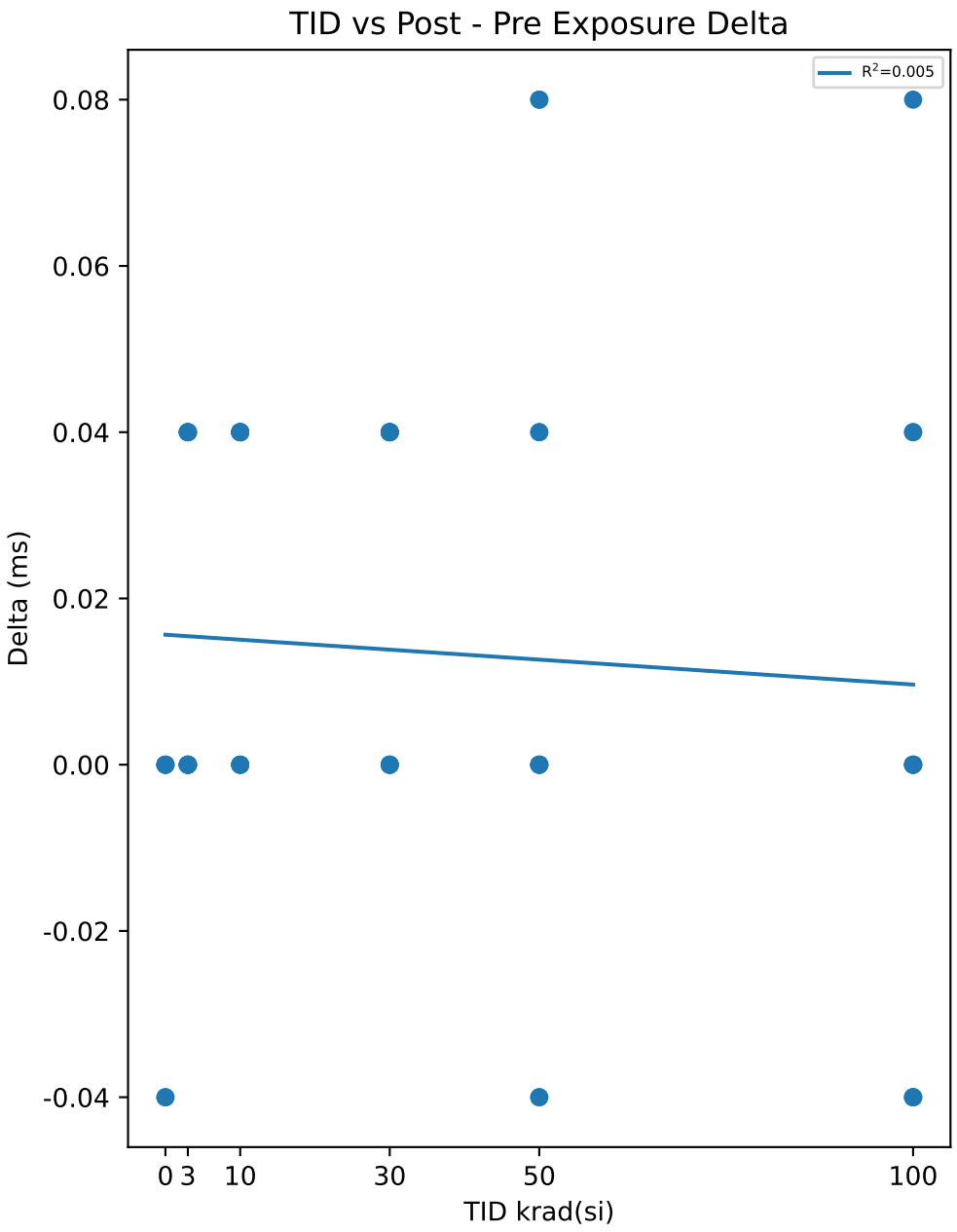
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	LDR Biased	1.4792	1.4792	0
2	3	LDR Biased	1.4792	1.4792	0
3	3	LDR Biased	1.5192	1.4792	-0.04
4	3	LDR Biased	1.4792	1.4792	0
5	3	LDR Biased	1.4792	1.4392	-0.04
6	10	LDR Biased	1.5192	1.4792	-0.04
7	10	LDR Biased	1.4792	1.4792	0
8	10	LDR Biased	1.4392	1.4392	0
9	10	LDR Biased	1.5192	1.4792	-0.04
10	10	LDR Biased	1.4792	1.4792	0
11	30	LDR Biased	1.4792	1.5192	0.04
12	30	LDR Biased	1.4792	1.4792	0
13	30	LDR Biased	1.4792	1.4792	0
14	30	LDR Biased	1.4792	1.4792	0
15	30	LDR Biased	1.4792	1.4792	0
16	50	LDR Biased	1.4392	1.4792	0.04
17	50	LDR Biased	1.4792	1.4792	0
18	50	LDR Biased	1.4792	1.4792	0
19	50	LDR Biased	1.4792	1.5192	0.04
20	50	LDR Biased	1.4392	1.4792	0.04
21	100	LDR Biased	1.4792	1.4792	0
22	100	LDR Biased	1.4792	1.4392	-0.04
23	100	LDR Biased	1.4792	1.4792	0
24	100	LDR Biased	1.4792	1.4392	-0.04
25	100	LDR Biased	1.4792	1.4792	0
26	3	LDR Unbiased	1.4792	1.4392	-0.04
27	3	LDR Unbiased	1.5192	1.5192	0
28	3	LDR Unbiased	1.4792	1.4792	0
29	3	LDR Unbiased	1.5192	1.5192	0
30	3	LDR Unbiased	1.4792	1.4792	0
31	10	LDR Unbiased	1.4792	1.4792	0
32	10	LDR Unbiased	1.4792	1.4792	0
33	10	LDR Unbiased	1.4792	1.4792	0
34	10	LDR Unbiased	1.5192	1.5192	0
35	10	LDR Unbiased	1.4792	1.4792	0
36	30	LDR Unbiased	1.5192	1.5192	0
37	30	LDR Unbiased	1.4792	1.4792	0
38	30	LDR Unbiased	1.4792	1.4792	0
39	30	LDR Unbiased	1.4792	1.4792	0
40	30	LDR Unbiased	1.4792	1.4792	0
41	50	LDR Unbiased	1.4792	1.4792	0
42	50	LDR Unbiased	1.4792	1.5192	0.04
43	50	LDR Unbiased	1.4792	1.4792	0
44	50	LDR Unbiased	1.4792	1.4792	0
45	50	LDR Unbiased	1.4792	1.5192	0.04
46	100	LDR Unbiased	1.4792	1.4792	0
47	100	LDR Unbiased	1.4792	1.4792	0
48	100	LDR Unbiased	1.4792	1.4792	0
49	100	LDR Unbiased	1.4792	1.4792	0
50	100	LDR Unbiased	1.4792	1.4792	0
60	0	Correlation	1.4392	1.4392	0
61	0	Correlation	1.4792	1.4392	-0.04
62	0	Correlation	1.4792	1.4792	0
63	0	Correlation	1.4792	1.4392	-0.04
64	0	Correlation	1.4792	1.4792	0
65	0	Correlation	1.4792	1.4392	-0.04

Test Statistics (ms)

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	1.4392	1.4725	1.4792	0.01633	1.4392	1.4525	1.4792	0.020656	-0.04	-0.02	0	0.021909
3	1.4792	1.4912	1.5192	0.019322	1.4392	1.4792	1.5192	0.026667	-0.04	-0.012	0	0.019322
10	1.4392	1.4872	1.5192	0.025298	1.4392	1.4792	1.5192	0.018856	-0.04	-0.008	0	0.016865
30	1.4792	1.4832	1.5192	0.012649	1.4792	1.4872	1.5192	0.016865	0	0.004	0.04	0.012649
50	1.4392	1.4712	1.4792	0.016865	1.4792	1.4912	1.5192	0.019322	0	0.02	0.04	0.021082
100	1.4792	1.4792	1.4792	0	1.4392	1.4712	1.4792	0.016865	-0.04	-0.008	0	0.016865

Device Test: 22.11 _TIMING|STARTUP/SS_TR/5////@T_SS_22NF





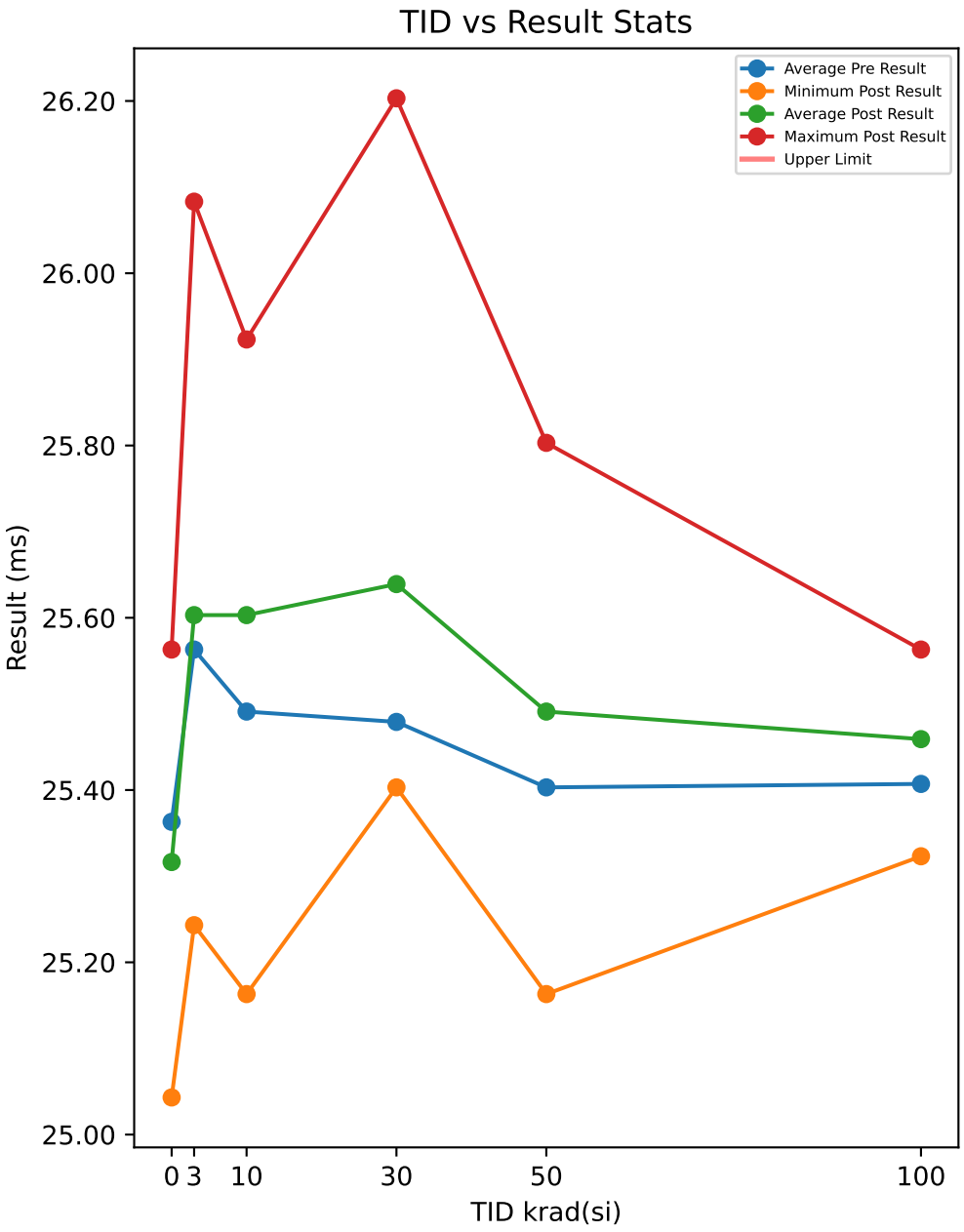
Test Results (Lower Limit = 4.7, Upper Limit = 7.3 (ms))

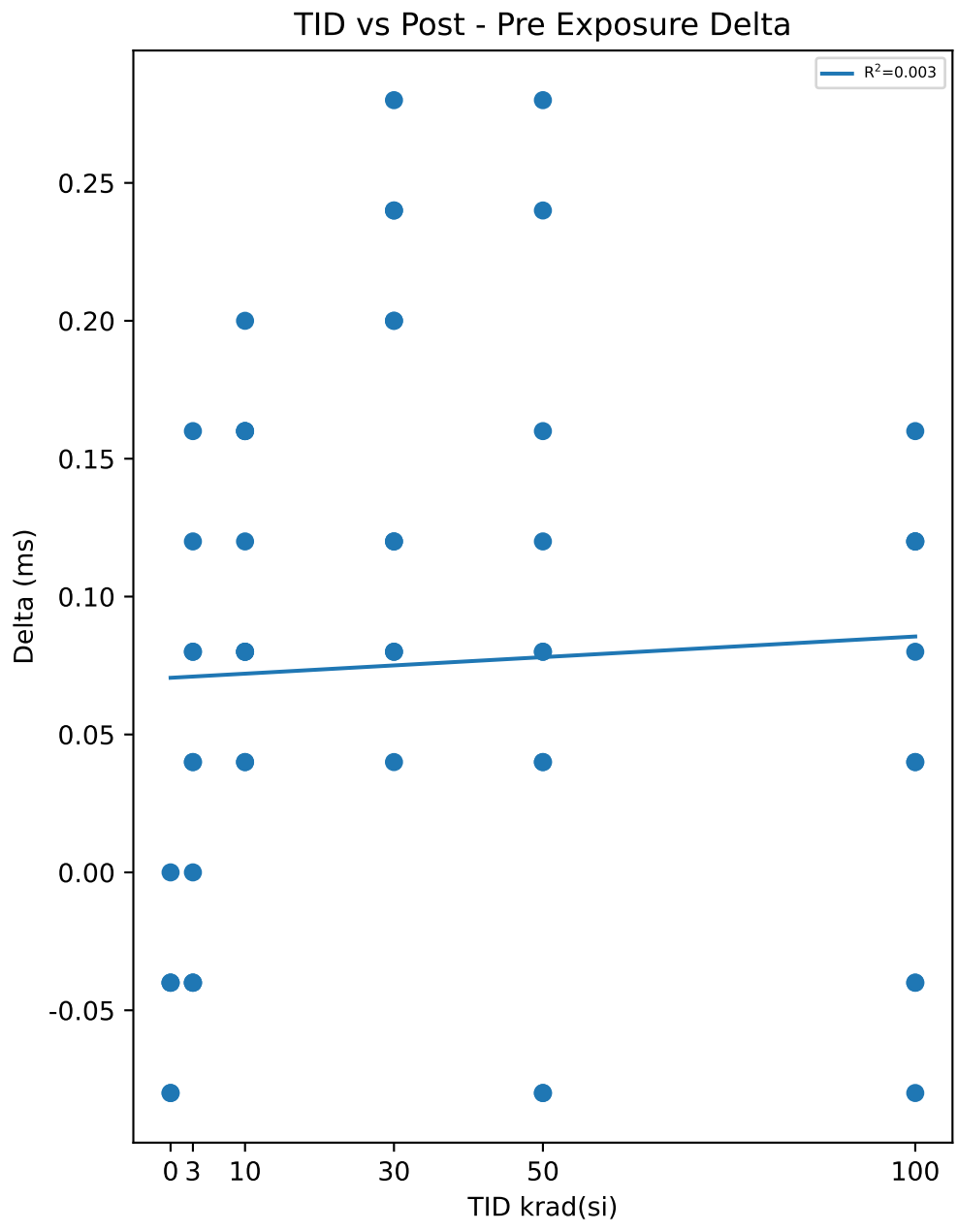
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	LDR Biased	5.6873	5.7273	0.04
2	3	LDR Biased	5.7673	5.8073	0.04
3	3	LDR Biased	5.8073	5.8073	0
4	3	LDR Biased	5.7673	5.7673	0
5	3	LDR Biased	5.6873	5.7273	0.04
6	10	LDR Biased	5.8073	5.8073	0
7	10	LDR Biased	5.6873	5.7273	0.04
8	10	LDR Biased	5.6073	5.6473	0.04
9	10	LDR Biased	5.7673	5.7673	0
10	10	LDR Biased	5.7673	5.7673	0
11	30	LDR Biased	5.7673	5.8073	0.04
12	30	LDR Biased	5.6873	5.7273	0.04
13	30	LDR Biased	5.7273	5.7273	0
14	30	LDR Biased	5.6873	5.6873	0
15	30	LDR Biased	5.7273	5.7673	0.04
16	50	LDR Biased	5.6873	5.6473	-0.04
17	50	LDR Biased	5.7673	5.7273	-0.04
18	50	LDR Biased	5.6873	5.6873	0
19	50	LDR Biased	5.7273	5.8073	0.08
20	50	LDR Biased	5.6473	5.6473	0
21	100	LDR Biased	5.7273	5.6873	-0.04
22	100	LDR Biased	5.7273	5.6873	-0.04
23	100	LDR Biased	5.7273	5.7273	0
24	100	LDR Biased	5.6873	5.6873	0
25	100	LDR Biased	5.6873	5.7673	0.08
26	3	LDR Unbiased	5.6473	5.6473	0
27	3	LDR Unbiased	5.8473	5.8873	0.04
28	3	LDR Unbiased	5.6873	5.6873	0
29	3	LDR Unbiased	5.8073	5.8073	0
30	3	LDR Unbiased	5.7273	5.7273	0
31	10	LDR Unbiased	5.7273	5.7673	0.04
32	10	LDR Unbiased	5.7273	5.7273	0
33	10	LDR Unbiased	5.7273	5.7673	0.04
34	10	LDR Unbiased	5.8073	5.8473	0.04
35	10	LDR Unbiased	5.6873	5.7273	0.04
36	30	LDR Unbiased	5.8473	5.8873	0.04
37	30	LDR Unbiased	5.7273	5.7273	0
38	30	LDR Unbiased	5.7273	5.7673	0.04
39	30	LDR Unbiased	5.7273	5.7273	0
40	30	LDR Unbiased	5.7273	5.7673	0.04
41	50	LDR Unbiased	5.6873	5.7273	0.04
42	50	LDR Unbiased	5.7273	5.8073	0.08
43	50	LDR Unbiased	5.7673	5.7673	0
44	50	LDR Unbiased	5.6873	5.6873	0
45	50	LDR Unbiased	5.7673	5.8073	0.04
46	100	LDR Unbiased	5.7273	5.7273	0
47	100	LDR Unbiased	5.7273	5.6873	-0.04
48	100	LDR Unbiased	5.6873	5.7273	0.04
49	100	LDR Unbiased	5.7273	5.7273	0
50	100	LDR Unbiased	5.6873	5.7273	0.04
60	0	Correlation	5.6073	5.6073	0
61	0	Correlation	5.7273	5.6873	-0.04
62	0	Correlation	5.7273	5.7273	0
63	0	Correlation	5.6873	5.6873	0
64	0	Correlation	5.7673	5.7673	0
65	0	Correlation	5.7273	5.6873	-0.04

Test Statistics (ms)

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	5.6073	5.7073	5.7673	0.055136	5.6073	5.694	5.7673	0.053166	-0.04	-0.013333	0	0.020656
3	5.6473	5.7433	5.8473	0.065862	5.6473	5.7593	5.8873	0.070048	0	0.016	0.04	0.020656
10	5.6073	5.7313	5.8073	0.060955	5.6473	5.7553	5.8473	0.0535	0	0.024	0.04	0.020656
30	5.6873	5.7353	5.8473	0.045412	5.6873	5.7593	5.8873	0.055936	0	0.024	0.04	0.020656
50	5.6473	5.7153	5.7673	0.042374	5.6473	5.7313	5.8073	0.063805	-0.04	0.016	0.08	0.042999
100	5.6873	5.7113	5.7273	0.020656	5.6873	5.7153	5.7673	0.026998	-0.04	0.004	0.08	0.039777

Device Test: 22.12 _TIMING|STARTUP/SS_TR/5////@T_SS_100NF





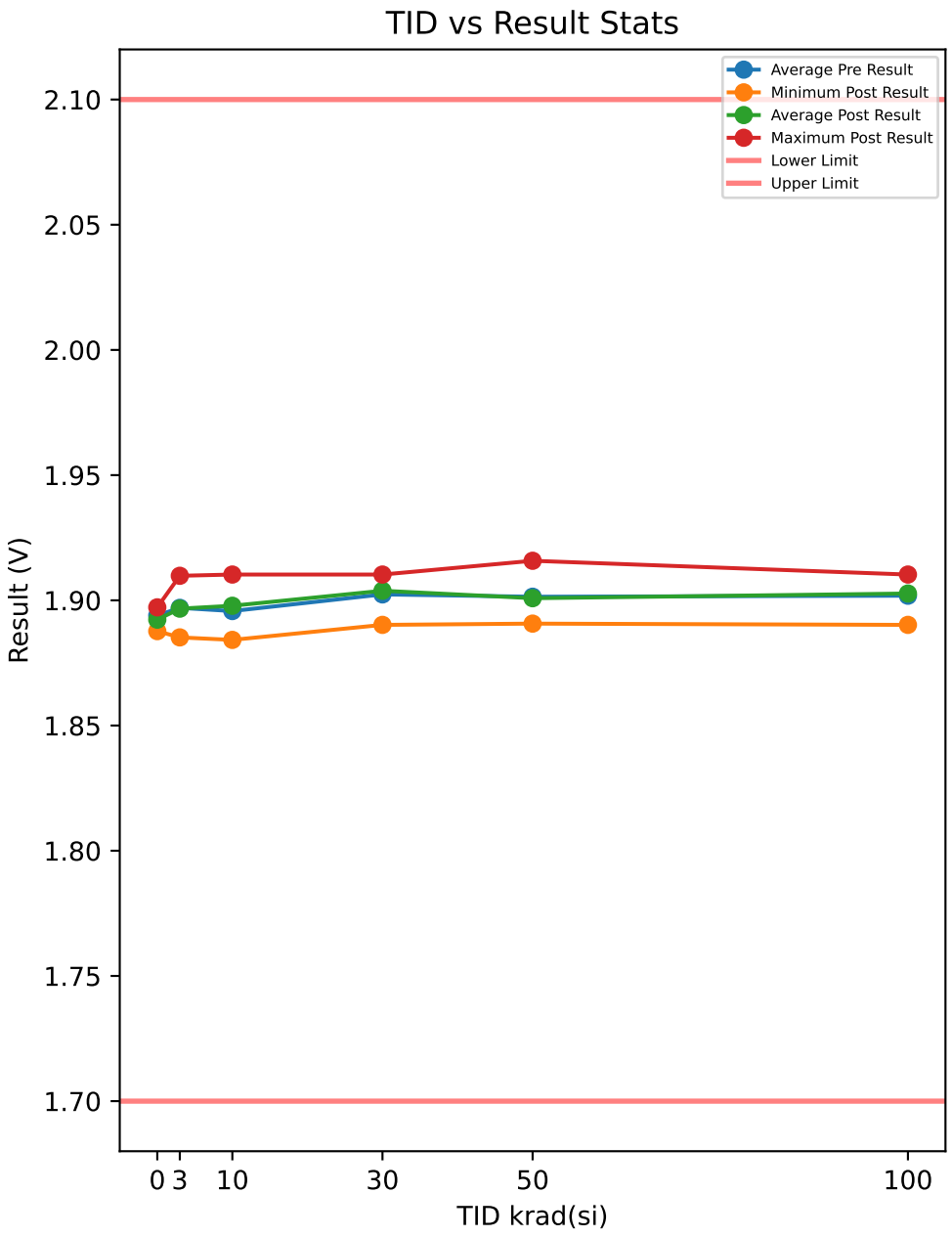
Test Results (No Limits Specified (ms))

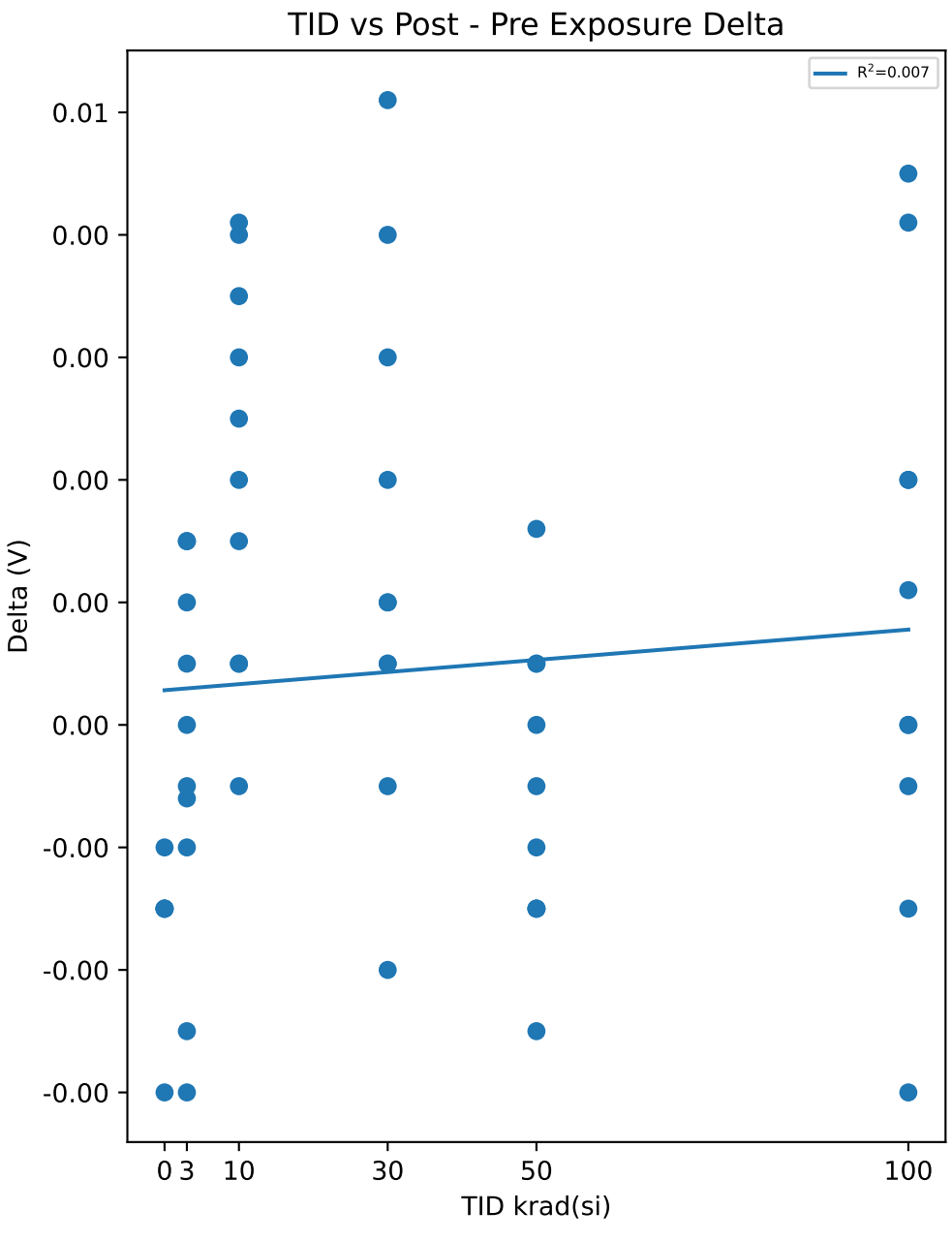
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	LDR Biased	25.283	25.443	0.16
2	3	LDR Biased	25.683	25.723	0.04
3	3	LDR Biased	25.843	25.923	0.08
4	3	LDR Biased	25.643	25.603	-0.04
5	3	LDR Biased	25.323	25.403	0.08
6	10	LDR Biased	25.803	25.923	0.12
7	10	LDR Biased	25.283	25.363	0.08
8	10	LDR Biased	25.003	25.163	0.16
9	10	LDR Biased	25.643	25.723	0.08
10	10	LDR Biased	25.643	25.683	0.04
11	30	LDR Biased	25.563	25.803	0.24
12	30	LDR Biased	25.323	25.563	0.24
13	30	LDR Biased	25.363	25.563	0.2
14	30	LDR Biased	25.323	25.403	0.08
15	30	LDR Biased	25.483	25.603	0.12
16	50	LDR Biased	25.203	25.243	0.04
17	50	LDR Biased	25.563	25.483	-0.08
18	50	LDR Biased	25.363	25.283	-0.08
19	50	LDR Biased	25.523	25.803	0.28
20	50	LDR Biased	25.043	25.163	0.12
21	100	LDR Biased	25.523	25.483	-0.04
22	100	LDR Biased	25.403	25.363	-0.04
23	100	LDR Biased	25.523	25.563	0.04
24	100	LDR Biased	25.243	25.323	0.08
25	100	LDR Biased	25.403	25.523	0.12
26	3	LDR Unbiased	25.203	25.243	0.04
27	3	LDR Unbiased	26.083	26.083	0
28	3	LDR Unbiased	25.323	25.283	-0.04
29	3	LDR Unbiased	25.843	25.803	-0.04
30	3	LDR Unbiased	25.403	25.523	0.12
31	10	LDR Unbiased	25.483	25.643	0.16
32	10	LDR Unbiased	25.563	25.603	0.04
33	10	LDR Unbiased	25.443	25.603	0.16
34	10	LDR Unbiased	25.683	25.883	0.2
35	10	LDR Unbiased	25.363	25.443	0.08
36	30	LDR Unbiased	26.003	26.203	0.2
37	30	LDR Unbiased	25.363	25.483	0.12
38	30	LDR Unbiased	25.523	25.603	0.08
39	30	LDR Unbiased	25.403	25.443	0.04
40	30	LDR Unbiased	25.443	25.723	0.28
41	50	LDR Unbiased	25.323	25.363	0.04
42	50	LDR Unbiased	25.603	25.683	0.08
43	50	LDR Unbiased	25.603	25.763	0.16
44	50	LDR Unbiased	25.243	25.323	0.08
45	50	LDR Unbiased	25.563	25.803	0.24
46	100	LDR Unbiased	25.443	25.483	0.04
47	100	LDR Unbiased	25.483	25.403	-0.08
48	100	LDR Unbiased	25.283	25.403	0.12
49	100	LDR Unbiased	25.443	25.563	0.12
50	100	LDR Unbiased	25.323	25.483	0.16
60	0	Correlation	25.083	25.043	-0.04
61	0	Correlation	25.443	25.363	-0.08
62	0	Correlation	25.403	25.363	-0.04
63	0	Correlation	25.283	25.243	-0.04
64	0	Correlation	25.643	25.563	-0.08
65	0	Correlation	25.323	25.323	0

Test Statistics (ms)

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	25.083	25.363	25.643	0.1859	25.043	25.316	25.563	0.17049	-0.08	-0.046667	0	0.030111
3	25.203	25.563	26.083	0.29755	25.243	25.603	26.083	0.27713	-0.04	0.04	0.16	0.070553
10	25.003	25.491	25.803	0.23232	25.163	25.603	25.923	0.23094	0.04	0.112	0.2	0.055936
30	25.323	25.479	26.003	0.20173	25.403	25.639	26.203	0.23205	0.04	0.16	0.28	0.082192
50	25.043	25.403	25.603	0.19686	25.163	25.491	25.803	0.25001	-0.08	0.088	0.28	0.11896
100	25.243	25.407	25.523	0.096977	25.323	25.459	25.563	0.082624	-0.08	0.052	0.16	0.0823

Device Test: 22.13 _LEVEL|RISE/COMP/12////@V_COMP_SD





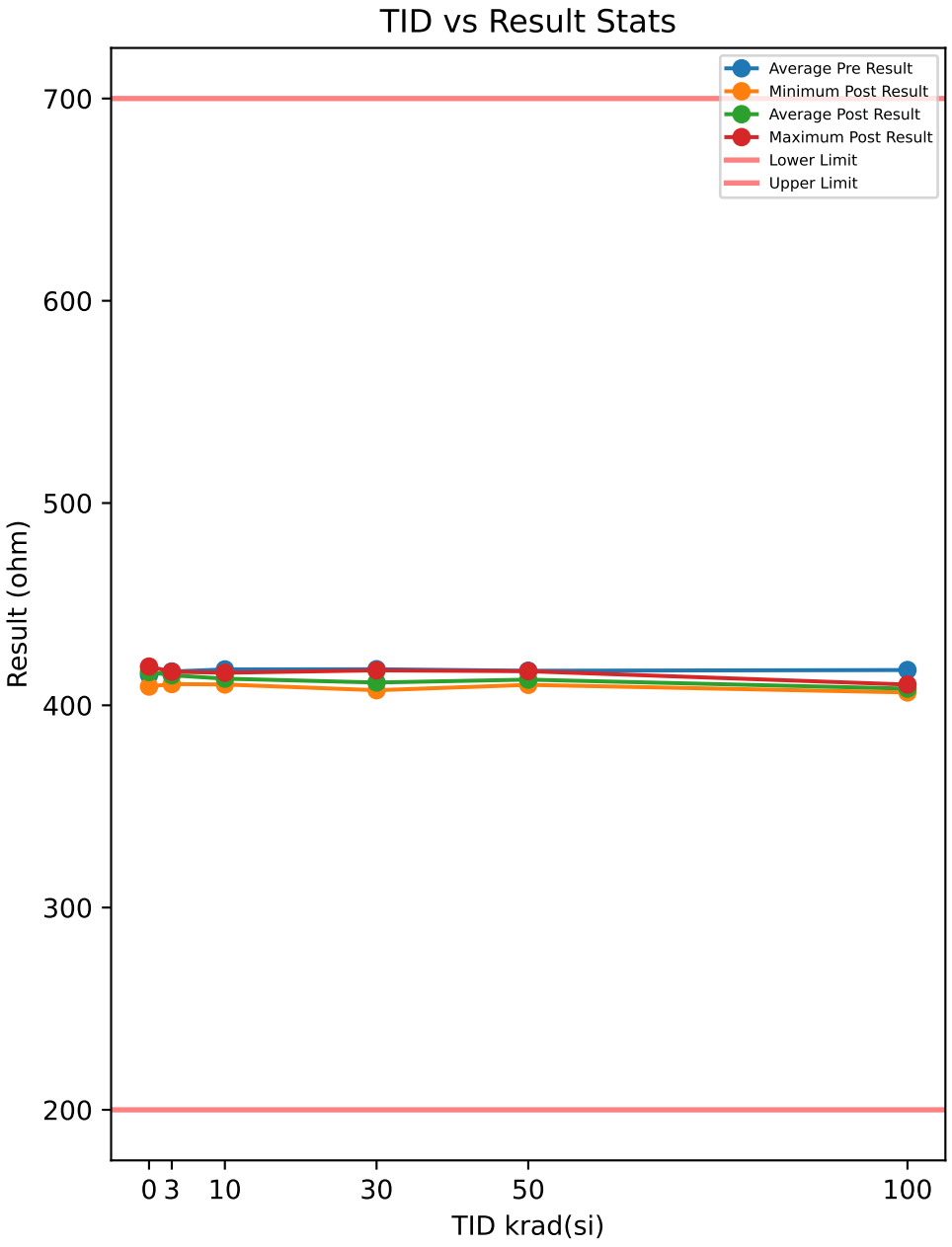
Test Results (Lower Limit = 1.7, Upper Limit = 2.1 (V))

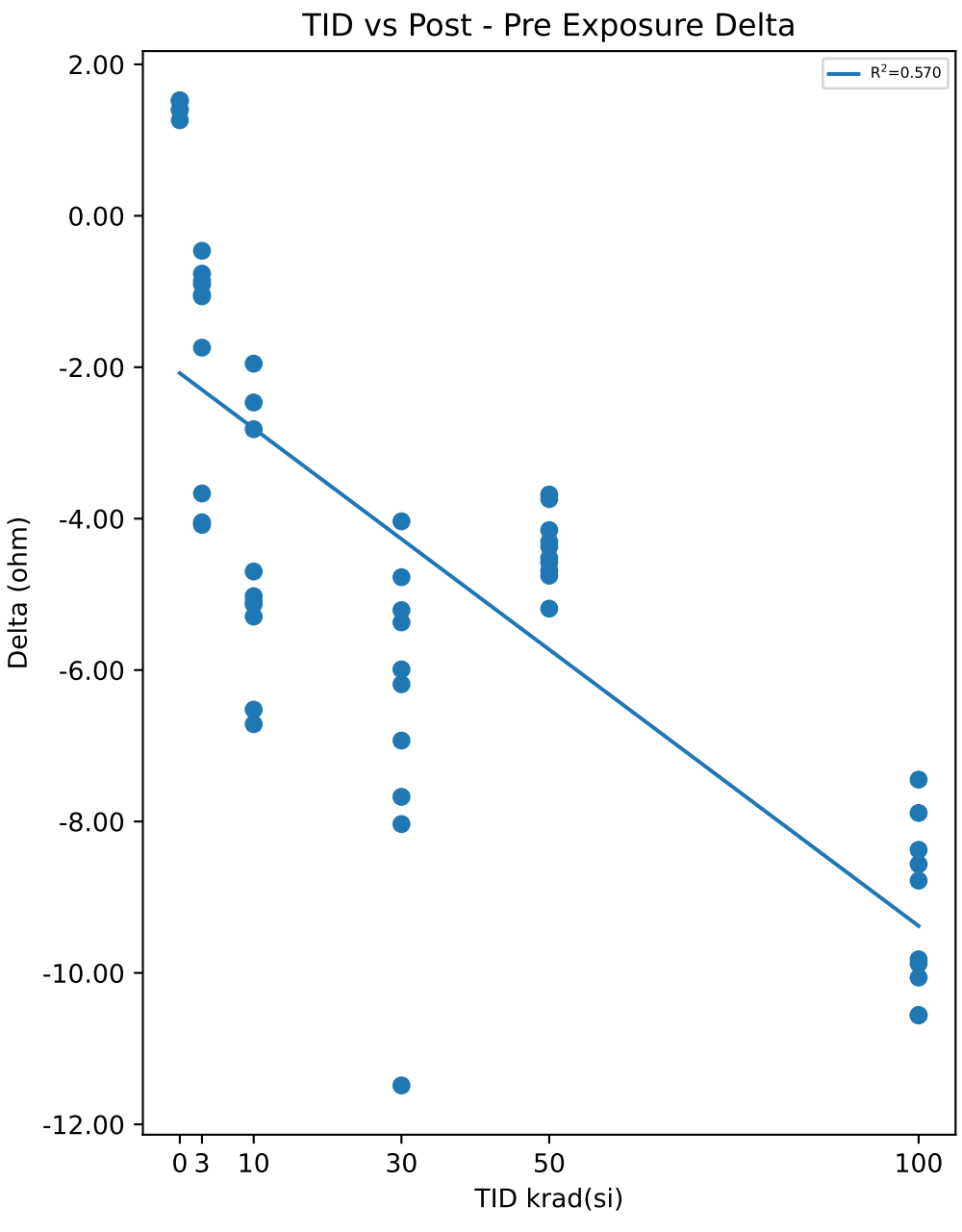
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	LDR Biased	1.9058	1.9073	0.0015
2	3	LDR Biased	1.8932	1.8942	0.001
3	3	LDR Biased	1.8887	1.8902	0.0015
4	3	LDR Biased	1.9018	1.9018	0
5	3	LDR Biased	1.8927	1.8902	-0.0025
6	10	LDR Biased	1.8932	1.8972	0.004
7	10	LDR Biased	1.8987	1.9028	0.0041
8	10	LDR Biased	1.8967	1.9002	0.0035
9	10	LDR Biased	1.8817	1.8842	0.0025
10	10	LDR Biased	1.8882	1.8902	0.002
11	30	LDR Biased	1.8982	1.9033	0.0051
12	30	LDR Biased	1.9053	1.9093	0.004
13	30	LDR Biased	1.9073	1.9103	0.003
14	30	LDR Biased	1.9093	1.9103	0.001
15	30	LDR Biased	1.9023	1.9018	-0.0005
16	50	LDR Biased	1.9002	1.9007	0.0005
17	50	LDR Biased	1.8967	1.8972	0.0005
18	50	LDR Biased	1.8982	1.8982	0
19	50	LDR Biased	1.8927	1.8922	-0.0005
20	50	LDR Biased	1.9058	1.9048	-0.001
21	100	LDR Biased	1.8932	1.8977	0.0045
22	100	LDR Biased	1.9083	1.9078	-0.0005
23	100	LDR Biased	1.8977	1.8977	0
24	100	LDR Biased	1.8932	1.8902	-0.003
25	100	LDR Biased	1.9118	1.9103	-0.0015
26	3	LDR Unbiased	1.9103	1.9098	-0.0005
27	3	LDR Unbiased	1.8967	1.8972	0.0005
28	3	LDR Unbiased	1.8862	1.8852	-0.001
29	3	LDR Unbiased	1.9013	1.9007	-0.0006
30	3	LDR Unbiased	1.8932	1.8902	-0.003
31	10	LDR Unbiased	1.8927	1.8942	0.0015
32	10	LDR Unbiased	1.9108	1.9103	-0.0005
33	10	LDR Unbiased	1.9033	1.9038	0.0005
34	10	LDR Unbiased	1.8937	1.8967	0.003
35	10	LDR Unbiased	1.8982	1.8987	0.0005
36	30	LDR Unbiased	1.8922	1.8902	-0.002
37	30	LDR Unbiased	1.9088	1.9093	0.0005
38	30	LDR Unbiased	1.9033	1.9053	0.002
39	30	LDR Unbiased	1.8927	1.8932	0.0005
40	30	LDR Unbiased	1.9043	1.9053	0.001
41	50	LDR Unbiased	1.8982	1.8998	0.0016
42	50	LDR Unbiased	1.8922	1.8907	-0.0015
43	50	LDR Unbiased	1.9073	1.9048	-0.0025
44	50	LDR Unbiased	1.9058	1.9043	-0.0015
45	50	LDR Unbiased	1.9173	1.9158	-0.0015
46	100	LDR Unbiased	1.9007	1.9018	0.0011
47	100	LDR Unbiased	1.9058	1.9078	0.002
48	100	LDR Unbiased	1.9002	1.9043	0.0041
49	100	LDR Unbiased	1.9018	1.9018	0
50	100	LDR Unbiased	1.9058	1.9078	0.002
60	0	Correlation	1.8932	1.8902	-0.003
61	0	Correlation	1.8967	1.8952	-0.0015
62	0	Correlation	1.8897	1.8882	-0.0015
63	0	Correlation	1.8982	1.8972	-0.001
64	0	Correlation	1.8892	1.8877	-0.0015
65	0	Correlation	1.8967	1.8952	-0.0015

Test Statistics (V)

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	1.8892	1.894	1.8982	0.0038568	1.8877	1.8923	1.8972	0.0040794	-0.003	-0.0016667	-0.001	0.00068313
3	1.8862	1.897	1.9103	0.0076656	1.8852	1.8967	1.9098	0.0081068	-0.003	-0.00031	0.0015	0.0015509
10	1.8817	1.8957	1.9108	0.0079827	1.8842	1.8978	1.9103	0.007311	-0.0005	0.00211	0.0041	0.0015913
30	1.8922	1.9024	1.9093	0.006157	1.8902	1.9038	1.9103	0.0070794	-0.002	0.00146	0.0051	0.0021199
50	1.8922	1.9014	1.9173	0.0076787	1.8907	1.9009	1.9158	0.0071951	-0.0025	-0.00059	0.0016	0.0012396
100	1.8932	1.9019	1.9118	0.0061709	1.8902	1.9027	1.9103	0.0062023	-0.003	0.00087	0.0045	0.0023618

Device Test: 22.14 _LEVEL|SINK/SS_TR/12////@R_SS_DISCHARGE





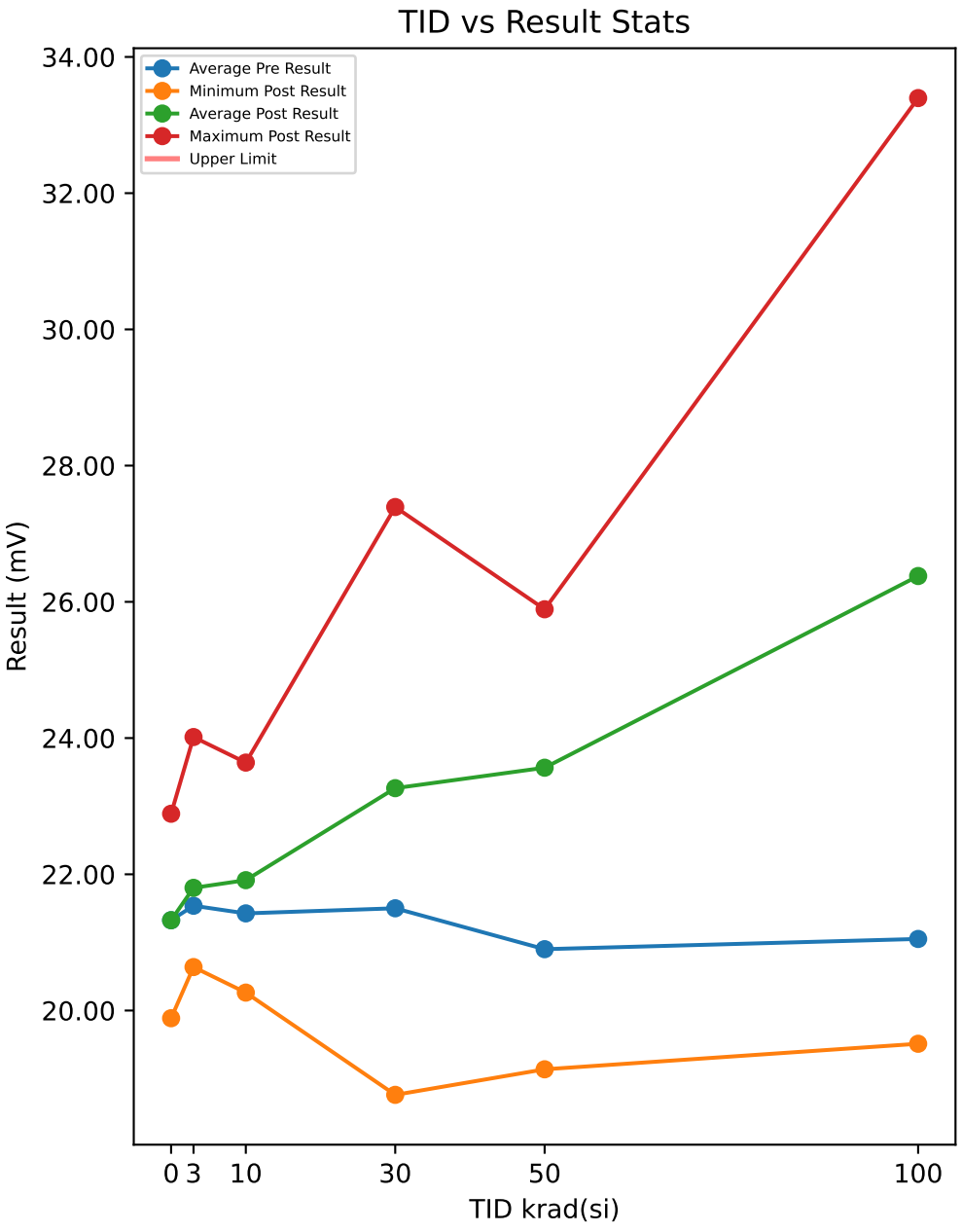
Test Results (Lower Limit = 200.0, Upper Limit = 700.0 (ohm))

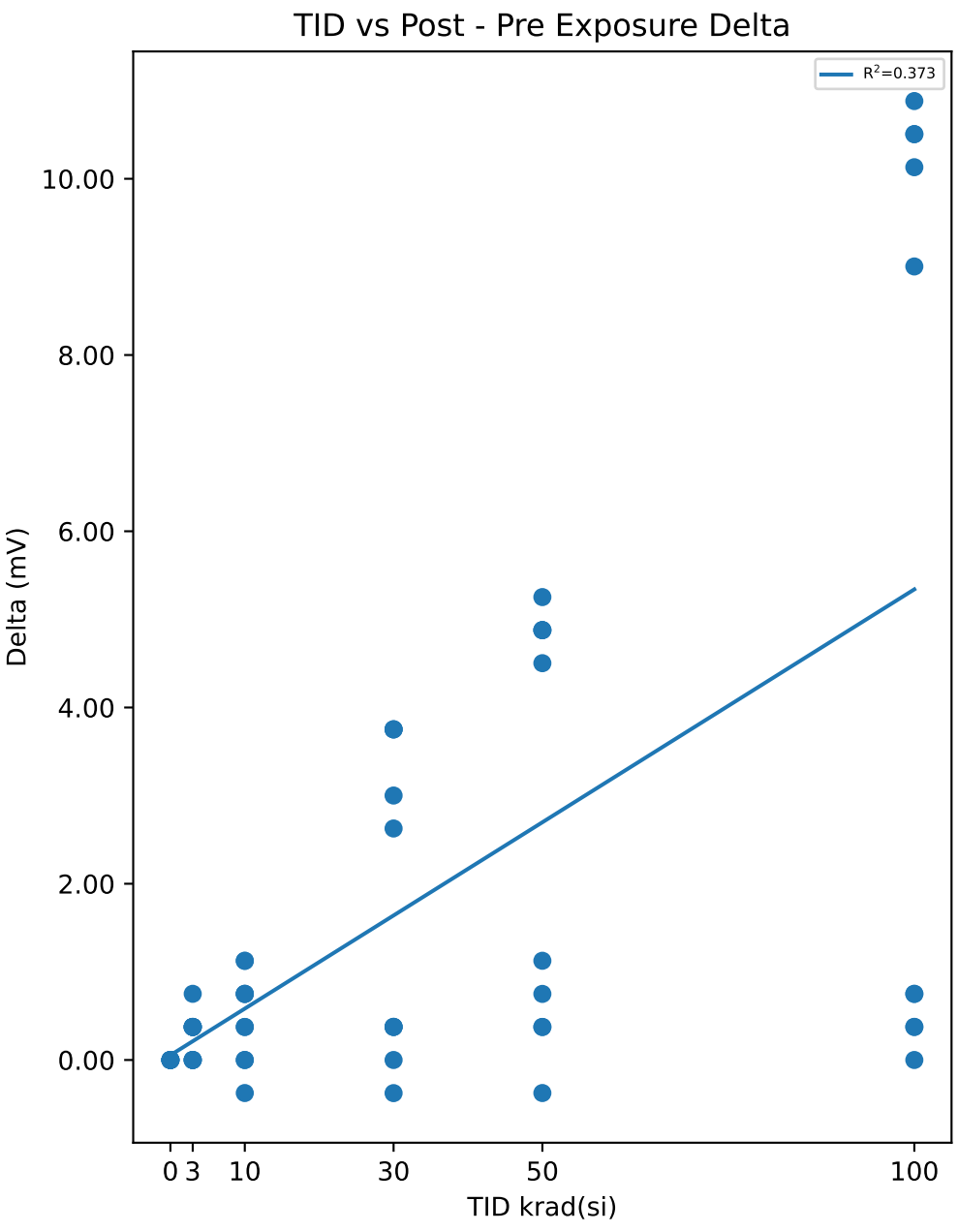
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	LDR Biased	417.67	413.62	-4.0485
2	3	LDR Biased	420.67	416.58	-4.0826
3	3	LDR Biased	415.97	412.3	-3.6674
4	3	LDR Biased	417.03	415.29	-1.7415
5	3	LDR Biased	416.72	415.86	-0.8631
6	10	LDR Biased	418.18	413.15	-5.0246
7	10	LDR Biased	417.02	410.31	-6.7142
8	10	LDR Biased	417.19	410.67	-6.5221
9	10	LDR Biased	419.27	414.14	-5.1308
10	10	LDR Biased	418.88	414.18	-4.6976
11	30	LDR Biased	418.46	410.43	-8.0338
12	30	LDR Biased	418.93	407.45	-11.486
13	30	LDR Biased	417.47	409.79	-7.6741
14	30	LDR Biased	415.58	408.65	-6.9311
15	30	LDR Biased	418.47	413.26	-5.2081
16	50	LDR Biased	416.3	411.11	-5.1886
17	50	LDR Biased	416.29	411.6	-4.6819
18	50	LDR Biased	413.85	410.11	-3.7412
19	50	LDR Biased	421	416.85	-4.151
20	50	LDR Biased	416.43	412.75	-3.6812
21	100	LDR Biased	418.76	408.7	-10.061
22	100	LDR Biased	417.02	408.46	-8.5642
23	100	LDR Biased	415.14	406.36	-8.7813
24	100	LDR Biased	418.13	410.24	-7.8871
25	100	LDR Biased	416.85	409.4	-7.4473
26	3	LDR Unbiased	416.67	415.63	-1.0428
27	3	LDR Unbiased	411.58	410.51	-1.0638
28	3	LDR Unbiased	416.79	416.02	-0.7642
29	3	LDR Unbiased	417.04	416.14	-0.9048
30	3	LDR Unbiased	416.87	416.41	-0.4622
31	10	LDR Unbiased	418.8	413.71	-5.0973
32	10	LDR Unbiased	415.58	410.29	-5.2932
33	10	LDR Unbiased	418.91	416.1	-2.8183
34	10	LDR Unbiased	416.48	414.01	-2.4658
35	10	LDR Unbiased	417.08	415.12	-1.9529
36	30	LDR Unbiased	417.83	411.83	-5.991
37	30	LDR Unbiased	415.96	409.77	-6.1868
38	30	LDR Unbiased	417.79	412.42	-5.37
39	30	LDR Unbiased	422.06	417.28	-4.7732
40	30	LDR Unbiased	415.73	411.7	-4.0352
41	50	LDR Unbiased	416.54	411.79	-4.7537
42	50	LDR Unbiased	420.81	416.29	-4.5173
43	50	LDR Unbiased	415.99	411.41	-4.5783
44	50	LDR Unbiased	416.5	412.2	-4.3023
45	50	LDR Unbiased	417.15	412.78	-4.3689
46	100	LDR Unbiased	417.65	407.09	-10.562
47	100	LDR Unbiased	418.3	407.74	-10.555
48	100	LDR Unbiased	417.33	407.45	-9.8773
49	100	LDR Unbiased	416.74	406.92	-9.8199
50	100	LDR Unbiased	418.4	410.02	-8.3745
60	0	Correlation	416.35	417.87	1.5249
61	0	Correlation	417.75	419.15	1.4031
62	0	Correlation	415.72	416.98	1.2618
63	0	Correlation	415.85	417.25	1.3986
64	0	Correlation	407.74	409.26	1.5193
65	0	Correlation	416.52	418.04	1.5216

Test Statistics (ohm)

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	407.74	414.99	417.75	3.6215	409.26	416.43	419.15	3.5897	1.2618	1.4382	1.5249	0.10485
3	411.58	416.7	420.67	2.2031	410.51	414.84	416.58	2.0299	-4.0826	-1.8641	-0.4622	1.4671
10	415.58	417.74	419.27	1.2396	410.29	413.17	416.1	2.0564	-6.7142	-4.5717	-1.9529	1.6361
30	415.58	417.83	422.06	1.9143	407.45	411.26	417.28	2.7601	-11.486	-6.5689	-4.0352	2.1367
50	413.85	417.09	421	2.1905	410.11	412.69	416.85	2.1937	-5.1886	-4.3964	-3.6812	0.45887
100	415.14	417.43	418.76	1.0651	406.36	408.24	410.24	1.3433	-10.562	-9.193	-7.4473	1.1221

Device Test: 22.15 _LEVEL|STATIC/SS_TR/12////@V_SS_START





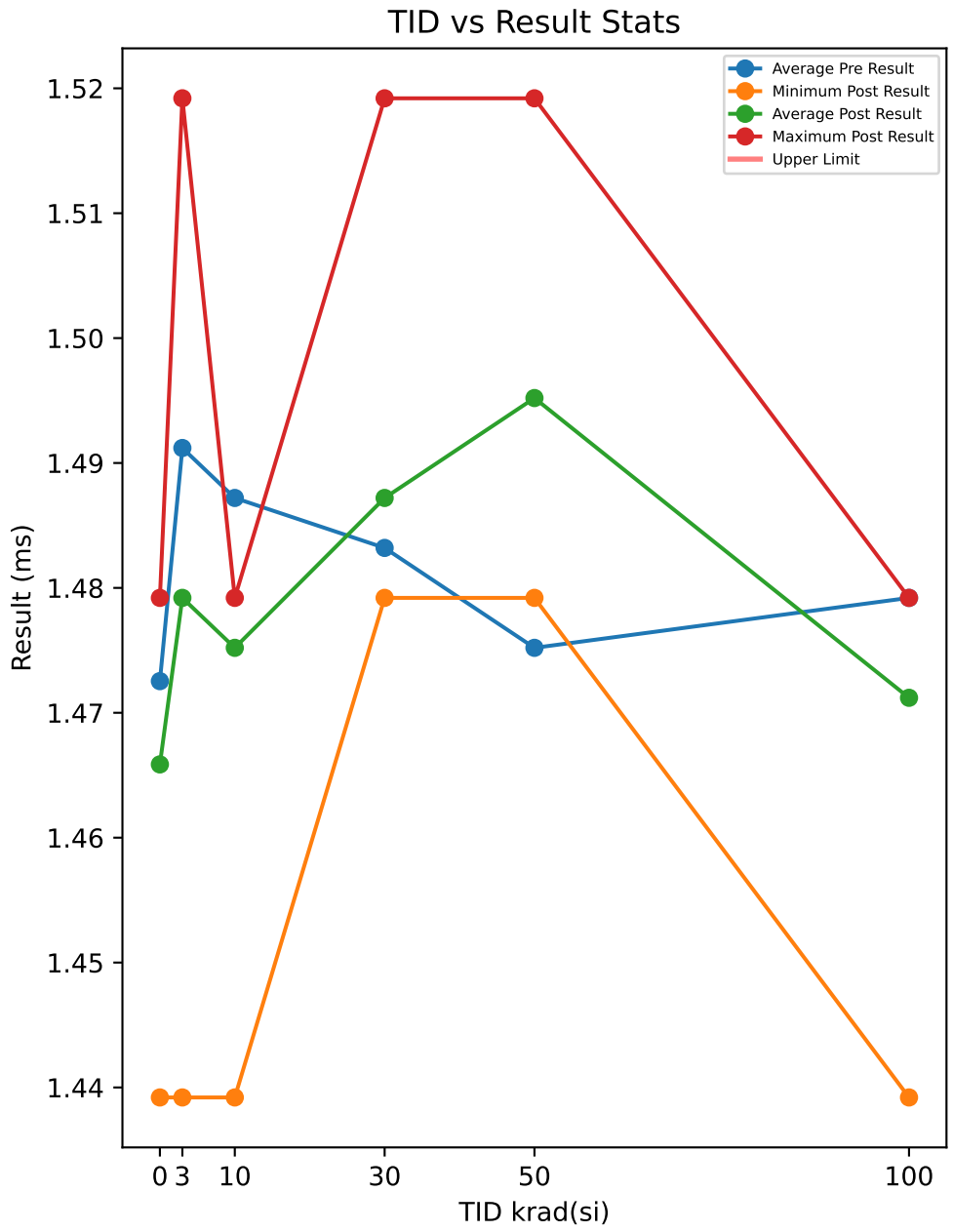
Test Results (No Limits Specified (mV))

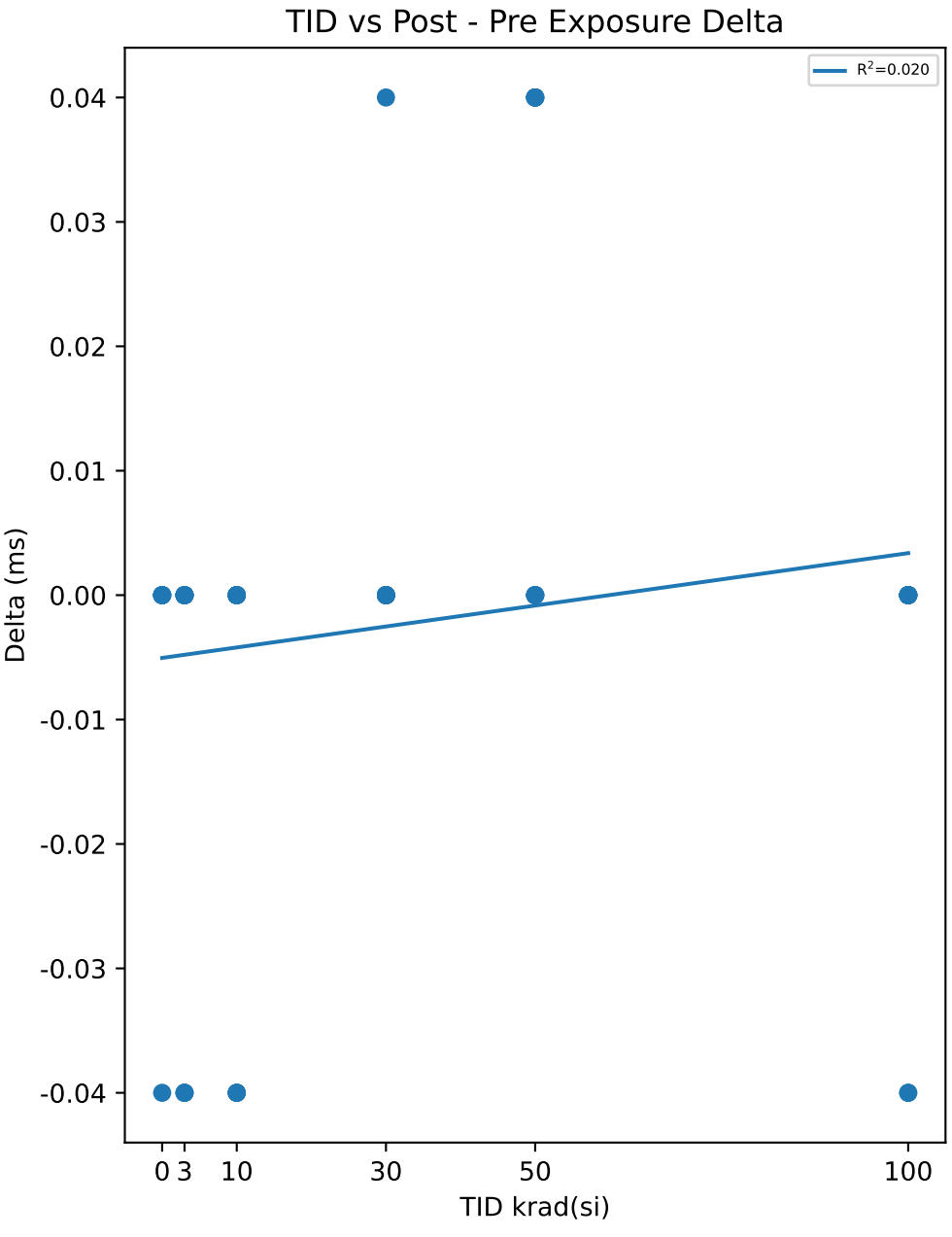
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	LDR Biased	22.514	22.889	0.375
2	3	LDR Biased	19.887	20.638	0.751
3	3	LDR Biased	23.64	24.015	0.375
4	3	LDR Biased	21.388	21.764	0.376
5	3	LDR Biased	22.514	22.889	0.375
6	10	LDR Biased	21.764	22.514	0.75
7	10	LDR Biased	20.263	21.388	1.125
8	10	LDR Biased	21.764	22.514	0.75
9	10	LDR Biased	20.638	21.764	1.126
10	10	LDR Biased	19.512	20.263	0.751
11	30	LDR Biased	23.64	27.392	3.752
12	30	LDR Biased	21.388	24.015	2.627
13	30	LDR Biased	21.764	24.765	3.001
14	30	LDR Biased	21.764	25.516	3.752
15	30	LDR Biased	20.263	24.015	3.752
16	50	LDR Biased	19.887	24.765	4.878
17	50	LDR Biased	20.638	25.516	4.878
18	50	LDR Biased	21.013	25.891	4.878
19	50	LDR Biased	21.013	25.516	4.503
20	50	LDR Biased	19.512	24.765	5.253
21	100	LDR Biased	22.139	31.144	9.005
22	100	LDR Biased	20.263	30.769	10.506
23	100	LDR Biased	20.263	30.394	10.131
24	100	LDR Biased	22.514	33.396	10.882
25	100	LDR Biased	19.887	30.394	10.507
26	3	LDR Unbiased	21.764	21.764	0
27	3	LDR Unbiased	20.263	20.638	0.375
28	3	LDR Unbiased	21.013	21.013	0
29	3	LDR Unbiased	21.388	21.388	0
30	3	LDR Unbiased	21.013	21.013	0
31	10	LDR Unbiased	23.64	23.265	-0.375
32	10	LDR Unbiased	20.263	20.263	0
33	10	LDR Unbiased	22.514	22.889	0.375
34	10	LDR Unbiased	23.64	23.64	0
35	10	LDR Unbiased	20.263	20.638	0.375
36	30	LDR Unbiased	22.514	22.514	0
37	30	LDR Unbiased	22.139	22.514	0.375
38	30	LDR Unbiased	23.265	22.889	-0.376
39	30	LDR Unbiased	19.887	20.263	0.376
40	30	LDR Unbiased	18.386	18.762	0.376
41	50	LDR Unbiased	22.139	21.764	-0.375
42	50	LDR Unbiased	21.764	22.139	0.375
43	50	LDR Unbiased	21.013	22.139	1.126
44	50	LDR Unbiased	23.265	24.015	0.75
45	50	LDR Unbiased	18.762	19.137	0.375
46	100	LDR Unbiased	23.265	24.015	0.75
47	100	LDR Unbiased	19.137	19.512	0.375
48	100	LDR Unbiased	22.139	22.139	0
49	100	LDR Unbiased	21.013	21.764	0.751
50	100	LDR Unbiased	19.887	20.263	0.376
60	0	Correlation	21.388	21.388	0
61	0	Correlation	21.764	21.764	0
62	0	Correlation	22.889	22.889	0
63	0	Correlation	20.263	20.263	0
64	0	Correlation	19.887	19.887	0
65	0	Correlation	21.764	21.764	0

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	19.887	21.326	22.889	1.0983	19.887	21.326	22.889	1.0983	0	0	0	0
3	19.887	21.538	23.64	1.1216	20.638	21.801	24.015	1.125	0	0.2627	0.751	0.25337
10	19.512	21.426	23.64	1.4741	20.263	21.914	23.64	1.2407	-0.375	0.4877	1.126	0.50176
30	18.386	21.501	23.64	1.6025	18.762	23.265	27.392	2.4952	-0.376	1.7635	3.752	1.7514
50	18.762	20.901	23.265	1.3126	19.137	23.565	25.891	2.1864	-0.375	2.6641	5.253	2.3696
100	19.137	21.051	23.265	1.3754	19.512	26.379	33.396	5.3007	0	5.3283	10.882	5.1685

Device Test: 22.16 _TIMING|STARTUP/SS_TR/12////@T_SS_5P6NF





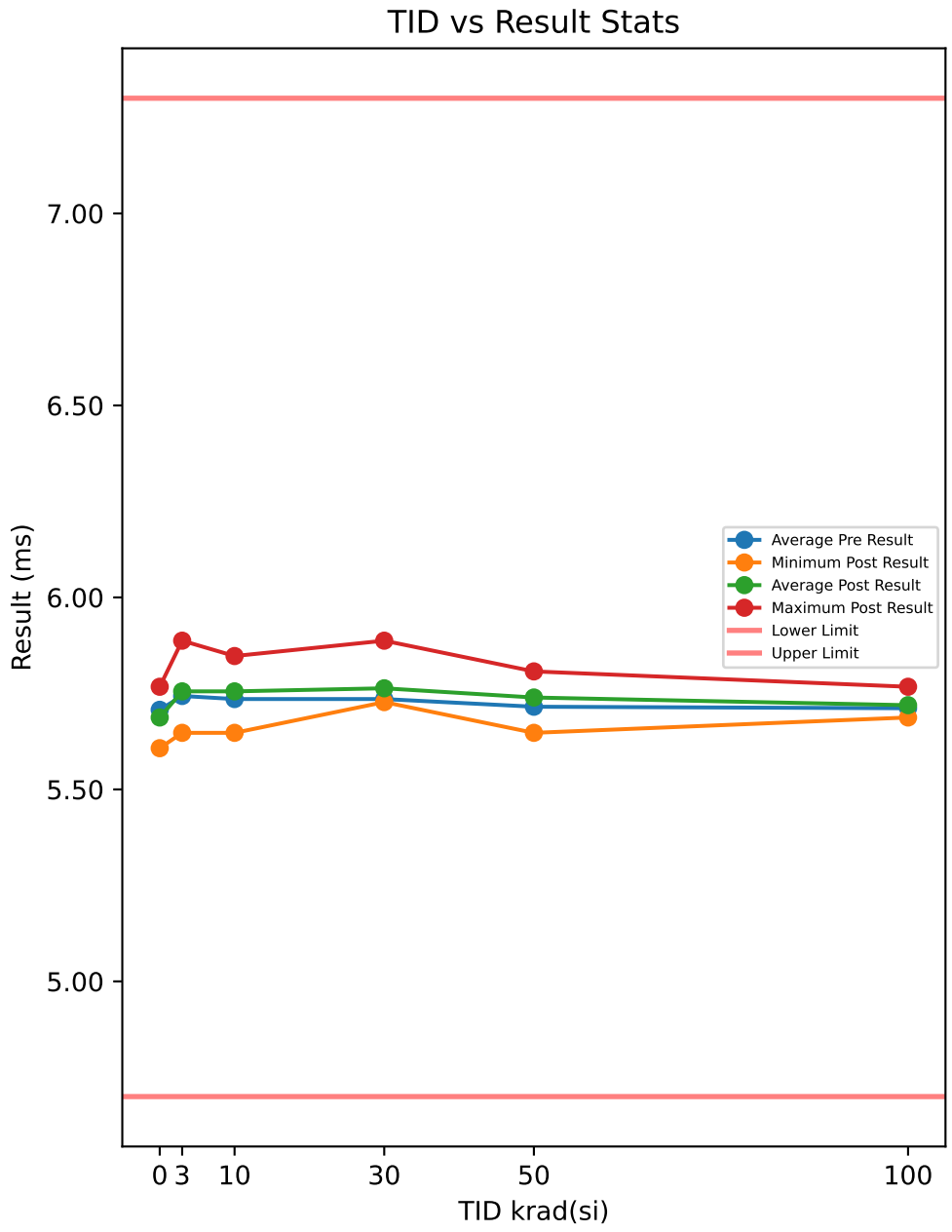
Test Results (No Limits Specified (ms))

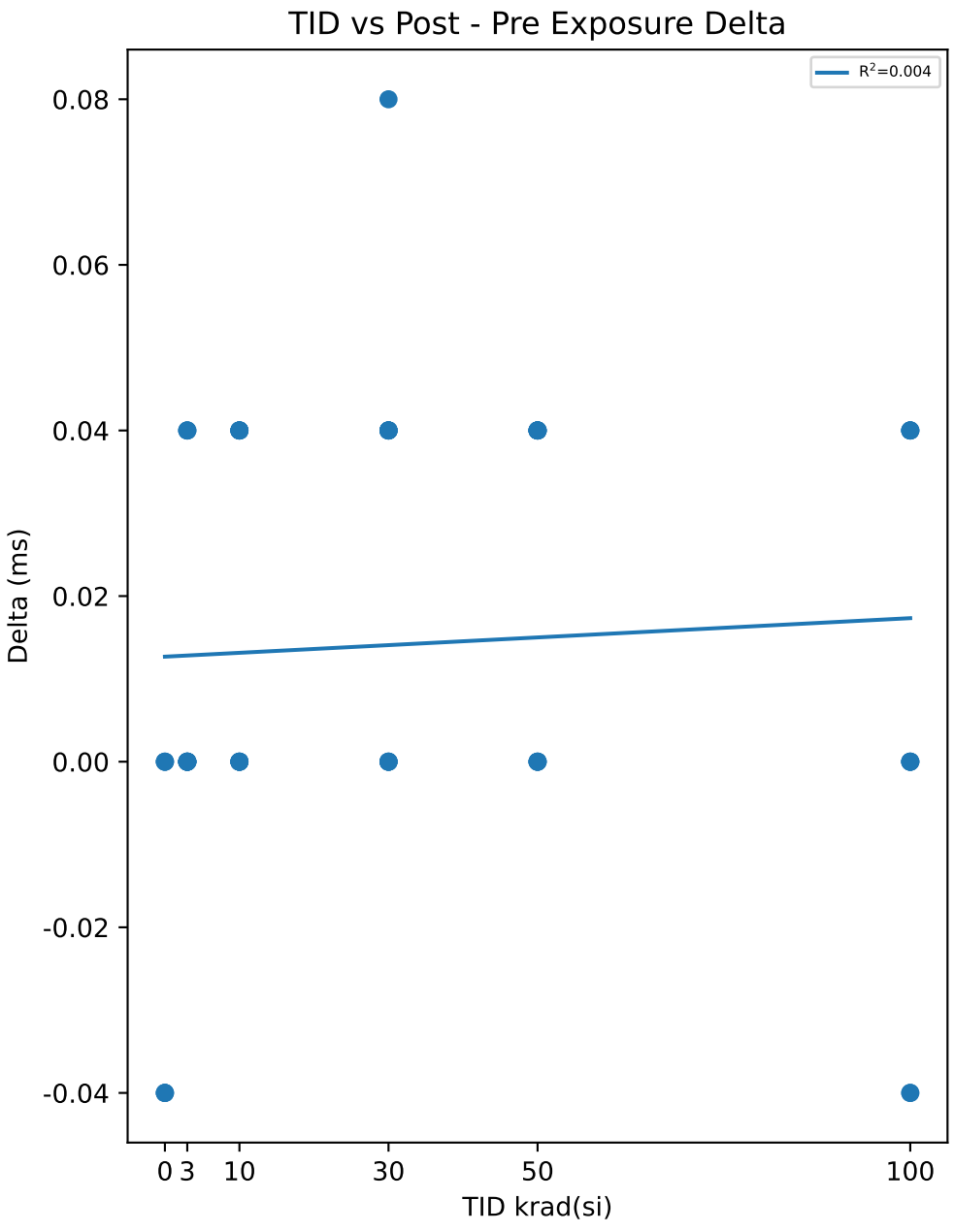
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	LDR Biased	1.4792	1.4792	0
2	3	LDR Biased	1.4792	1.4792	0
3	3	LDR Biased	1.5192	1.4792	-0.04
4	3	LDR Biased	1.4792	1.4792	0
5	3	LDR Biased	1.4792	1.4792	0
6	10	LDR Biased	1.5192	1.4792	-0.04
7	10	LDR Biased	1.4792	1.4792	0
8	10	LDR Biased	1.4392	1.4392	0
9	10	LDR Biased	1.5192	1.4792	-0.04
10	10	LDR Biased	1.4792	1.4792	0
11	30	LDR Biased	1.4792	1.5192	0.04
12	30	LDR Biased	1.4792	1.4792	0
13	30	LDR Biased	1.4792	1.4792	0
14	30	LDR Biased	1.4792	1.4792	0
15	30	LDR Biased	1.4792	1.4792	0
16	50	LDR Biased	1.4792	1.4792	0
17	50	LDR Biased	1.4792	1.4792	0
18	50	LDR Biased	1.4792	1.4792	0
19	50	LDR Biased	1.4792	1.5192	0.04
20	50	LDR Biased	1.4392	1.4792	0.04
21	100	LDR Biased	1.4792	1.4792	0
22	100	LDR Biased	1.4792	1.4392	-0.04
23	100	LDR Biased	1.4792	1.4792	0
24	100	LDR Biased	1.4792	1.4392	-0.04
25	100	LDR Biased	1.4792	1.4792	0
26	3	LDR Unbiased	1.4792	1.4392	-0.04
27	3	LDR Unbiased	1.5192	1.5192	0
28	3	LDR Unbiased	1.4792	1.4792	0
29	3	LDR Unbiased	1.5192	1.4792	-0.04
30	3	LDR Unbiased	1.4792	1.4792	0
31	10	LDR Unbiased	1.4792	1.4792	0
32	10	LDR Unbiased	1.4792	1.4792	0
33	10	LDR Unbiased	1.4792	1.4792	0
34	10	LDR Unbiased	1.5192	1.4792	-0.04
35	10	LDR Unbiased	1.4792	1.4792	0
36	30	LDR Unbiased	1.5192	1.5192	0
37	30	LDR Unbiased	1.4792	1.4792	0
38	30	LDR Unbiased	1.4792	1.4792	0
39	30	LDR Unbiased	1.4792	1.4792	0
40	30	LDR Unbiased	1.4792	1.4792	0
41	50	LDR Unbiased	1.4792	1.4792	0
42	50	LDR Unbiased	1.4792	1.5192	0.04
43	50	LDR Unbiased	1.4792	1.5192	0.04
44	50	LDR Unbiased	1.4792	1.4792	0
45	50	LDR Unbiased	1.4792	1.5192	0.04
46	100	LDR Unbiased	1.4792	1.4792	0
47	100	LDR Unbiased	1.4792	1.4792	0
48	100	LDR Unbiased	1.4792	1.4792	0
49	100	LDR Unbiased	1.4792	1.4792	0
50	100	LDR Unbiased	1.4792	1.4792	0
60	0	Correlation	1.4392	1.4392	0
61	0	Correlation	1.4792	1.4792	0
62	0	Correlation	1.4792	1.4792	0
63	0	Correlation	1.4792	1.4392	-0.04
64	0	Correlation	1.4792	1.4792	0
65	0	Correlation	1.4792	1.4792	0

Test Statistics (ms)

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	1.4392	1.4725	1.4792	0.01633	1.4392	1.4659	1.4792	0.020656	-0.04	-0.0066667	0	0.01633
3	1.4792	1.4912	1.5192	0.019322	1.4392	1.4792	1.5192	0.018856	-0.04	-0.012	0	0.019322
10	1.4392	1.4872	1.5192	0.025298	1.4392	1.4752	1.4792	0.012649	-0.04	-0.012	0	0.019322
30	1.4792	1.4832	1.5192	0.012649	1.4792	1.4872	1.5192	0.016865	0	0.004	0.04	0.012649
50	1.4392	1.4752	1.4792	0.012649	1.4792	1.4952	1.5192	0.020656	0	0.02	0.04	0.021082
100	1.4792	1.4792	1.4792	0	1.4392	1.4712	1.4792	0.016865	-0.04	-0.008	0	0.016865

Device Test: 22.17 _TIMING|STARTUP/SS_TR/12////@T_SS_22NF





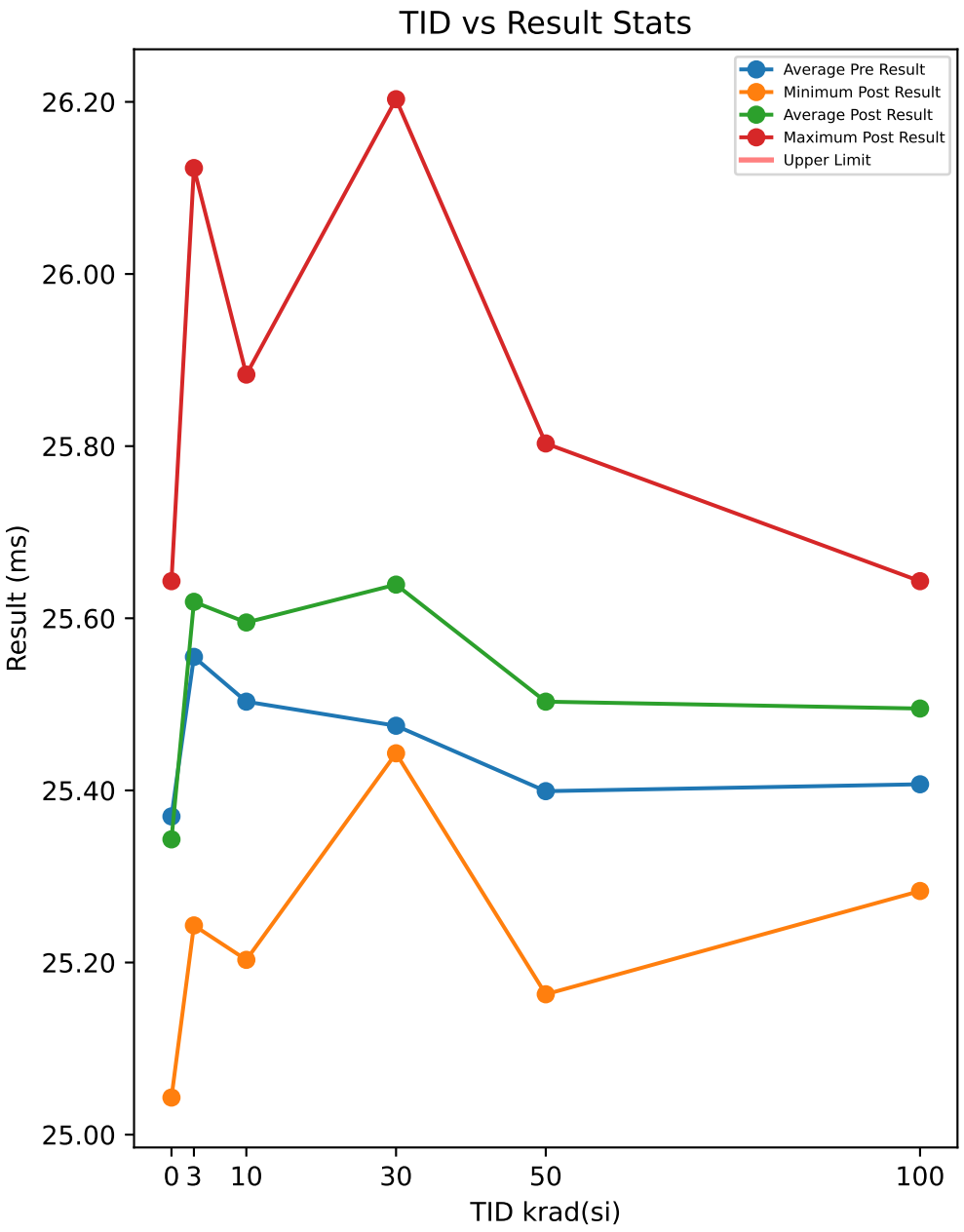
Test Results (Lower Limit = 4.7, Upper Limit = 7.3 (ms))

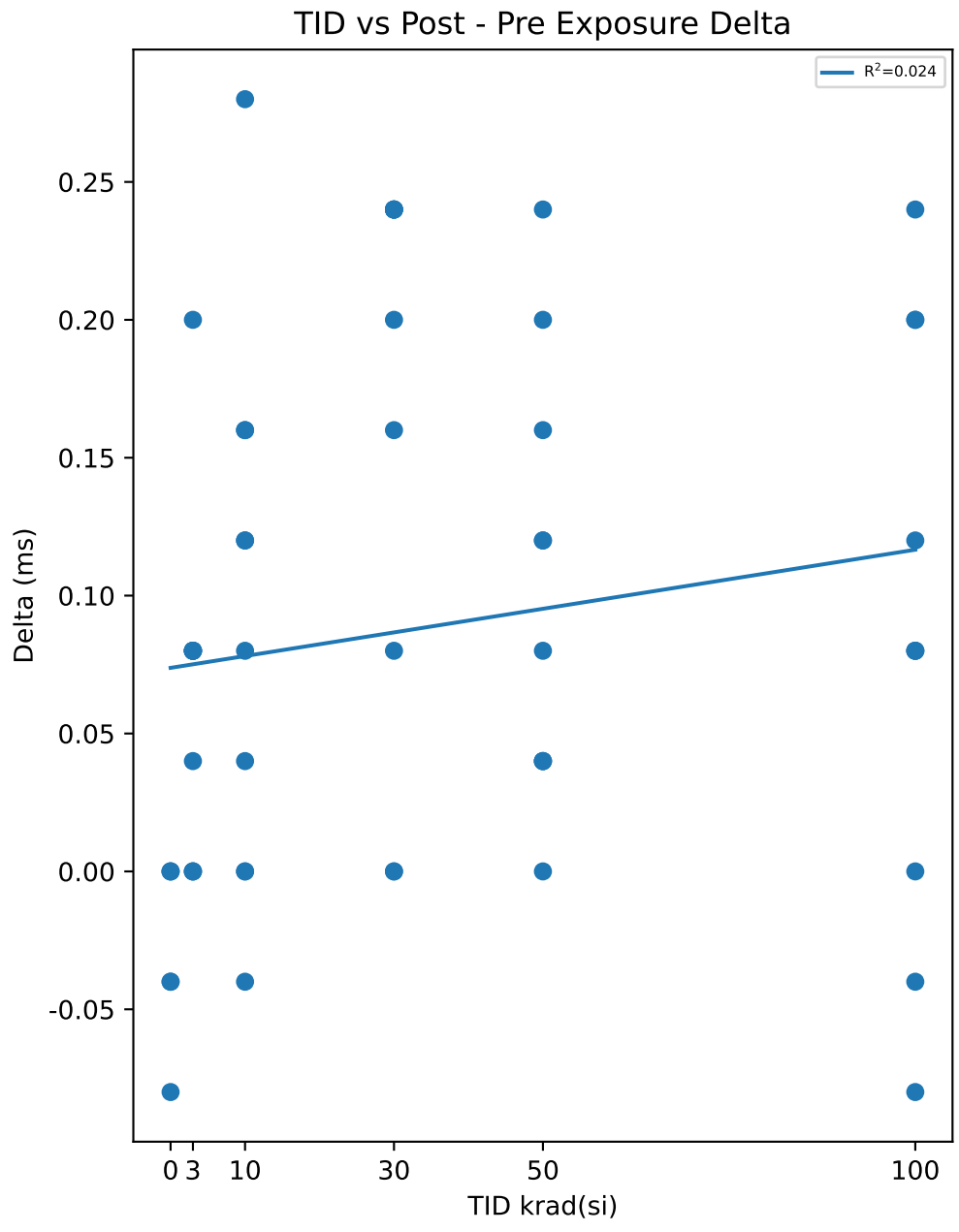
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	LDR Biased	5.6873	5.7273	0.04
2	3	LDR Biased	5.7673	5.8073	0.04
3	3	LDR Biased	5.8073	5.8073	0
4	3	LDR Biased	5.7673	5.7673	0
5	3	LDR Biased	5.6873	5.6873	0
6	10	LDR Biased	5.8073	5.8473	0.04
7	10	LDR Biased	5.6873	5.6873	0
8	10	LDR Biased	5.6473	5.6473	0
9	10	LDR Biased	5.7673	5.7673	0
10	10	LDR Biased	5.7673	5.7673	0
11	30	LDR Biased	5.7673	5.8073	0.04
12	30	LDR Biased	5.7273	5.7273	0
13	30	LDR Biased	5.6873	5.7673	0.08
14	30	LDR Biased	5.6873	5.7273	0.04
15	30	LDR Biased	5.7273	5.7673	0.04
16	50	LDR Biased	5.6873	5.6873	0
17	50	LDR Biased	5.7273	5.7273	0
18	50	LDR Biased	5.6873	5.6873	0
19	50	LDR Biased	5.7673	5.8073	0.04
20	50	LDR Biased	5.6073	5.6473	0.04
21	100	LDR Biased	5.7273	5.7273	0
22	100	LDR Biased	5.7273	5.6873	-0.04
23	100	LDR Biased	5.7273	5.7273	0
24	100	LDR Biased	5.6473	5.6873	0.04
25	100	LDR Biased	5.7273	5.7273	0
26	3	LDR Unbiased	5.6473	5.6473	0
27	3	LDR Unbiased	5.8473	5.8873	0.04
28	3	LDR Unbiased	5.6873	5.6873	0
29	3	LDR Unbiased	5.8073	5.8073	0
30	3	LDR Unbiased	5.7273	5.7273	0
31	10	LDR Unbiased	5.7273	5.7673	0.04
32	10	LDR Unbiased	5.7273	5.7673	0.04
33	10	LDR Unbiased	5.7273	5.7673	0.04
34	10	LDR Unbiased	5.8073	5.8073	0
35	10	LDR Unbiased	5.6873	5.7273	0.04
36	30	LDR Unbiased	5.8473	5.8873	0.04
37	30	LDR Unbiased	5.7273	5.7273	0
38	30	LDR Unbiased	5.7273	5.7273	0
39	30	LDR Unbiased	5.7273	5.7273	0
40	30	LDR Unbiased	5.7273	5.7673	0.04
41	50	LDR Unbiased	5.6873	5.7273	0.04
42	50	LDR Unbiased	5.7673	5.8073	0.04
43	50	LDR Unbiased	5.7673	5.7673	0
44	50	LDR Unbiased	5.6873	5.7273	0.04
45	50	LDR Unbiased	5.7673	5.8073	0.04
46	100	LDR Unbiased	5.7273	5.7273	0
47	100	LDR Unbiased	5.7273	5.6873	-0.04
48	100	LDR Unbiased	5.6873	5.7273	0.04
49	100	LDR Unbiased	5.7273	5.7673	0.04
50	100	LDR Unbiased	5.6873	5.7273	0.04
60	0	Correlation	5.6473	5.6073	-0.04
61	0	Correlation	5.7273	5.6873	-0.04
62	0	Correlation	5.7273	5.6873	-0.04
63	0	Correlation	5.6873	5.6873	0
64	0	Correlation	5.7673	5.7673	0
65	0	Correlation	5.6873	5.6873	0

Test Statistics (ms)

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	5.6473	5.7073	5.7673	0.041952	5.6073	5.6873	5.7673	0.050596	-0.04	-0.02	0	0.021909
3	5.6473	5.7433	5.8473	0.065862	5.6473	5.7553	5.8873	0.073151	0	0.012	0.04	0.019322
10	5.6473	5.7353	5.8073	0.052662	5.6473	5.7553	5.8473	0.056725	0	0.02	0.04	0.021082
30	5.6873	5.7353	5.8473	0.045412	5.7273	5.7633	5.8873	0.051467	0	0.028	0.08	0.026998
50	5.6073	5.7153	5.7673	0.0535	5.6473	5.7393	5.8073	0.056725	0	0.024	0.04	0.020656
100	5.6473	5.7113	5.7273	0.027968	5.6873	5.7193	5.7673	0.025298	-0.04	0.008	0.04	0.031552

Device Test: 22.18 _TIMING|STARTUP/SS_TR/12////@T_SS_100NF





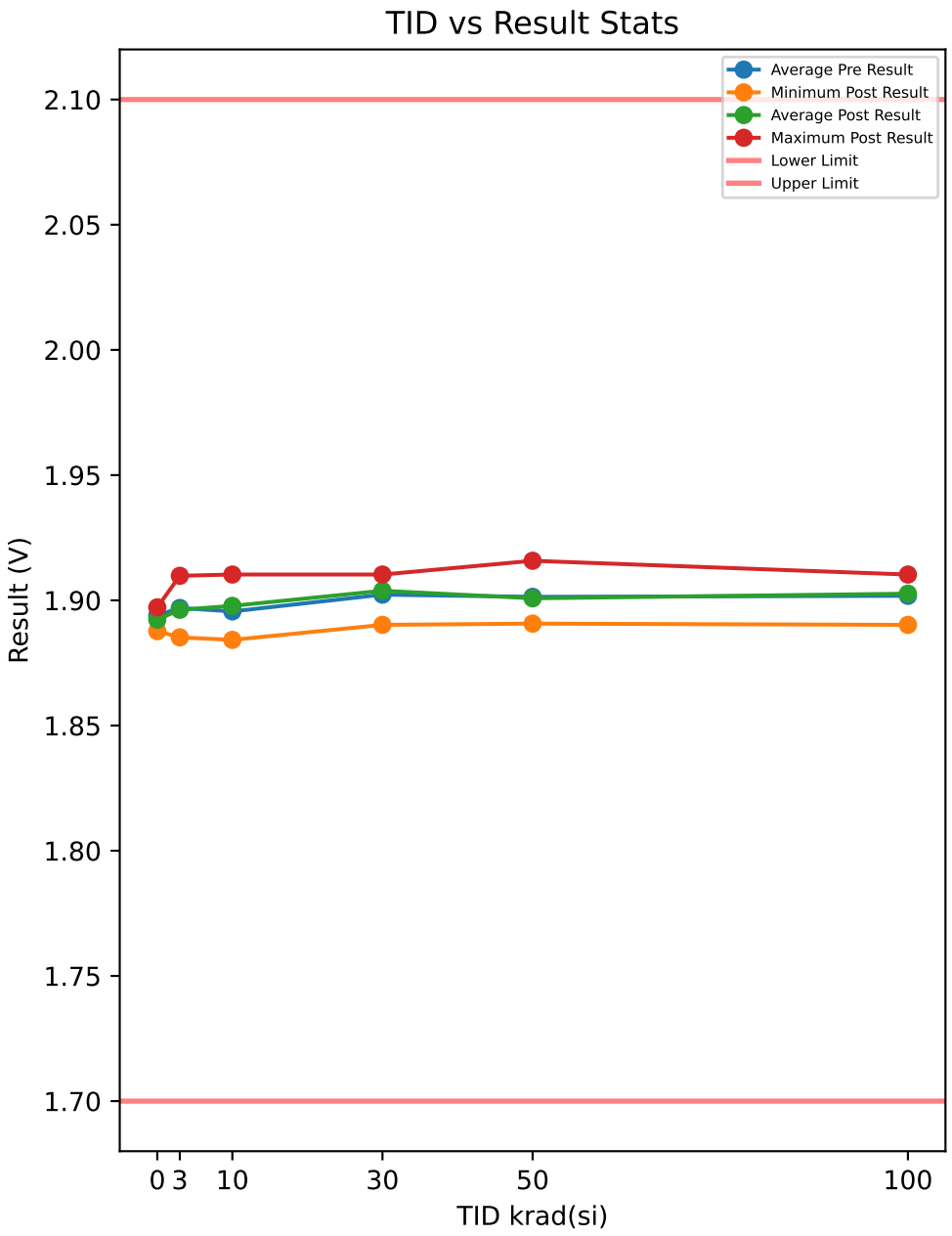
Test Results (No Limits Specified (ms))

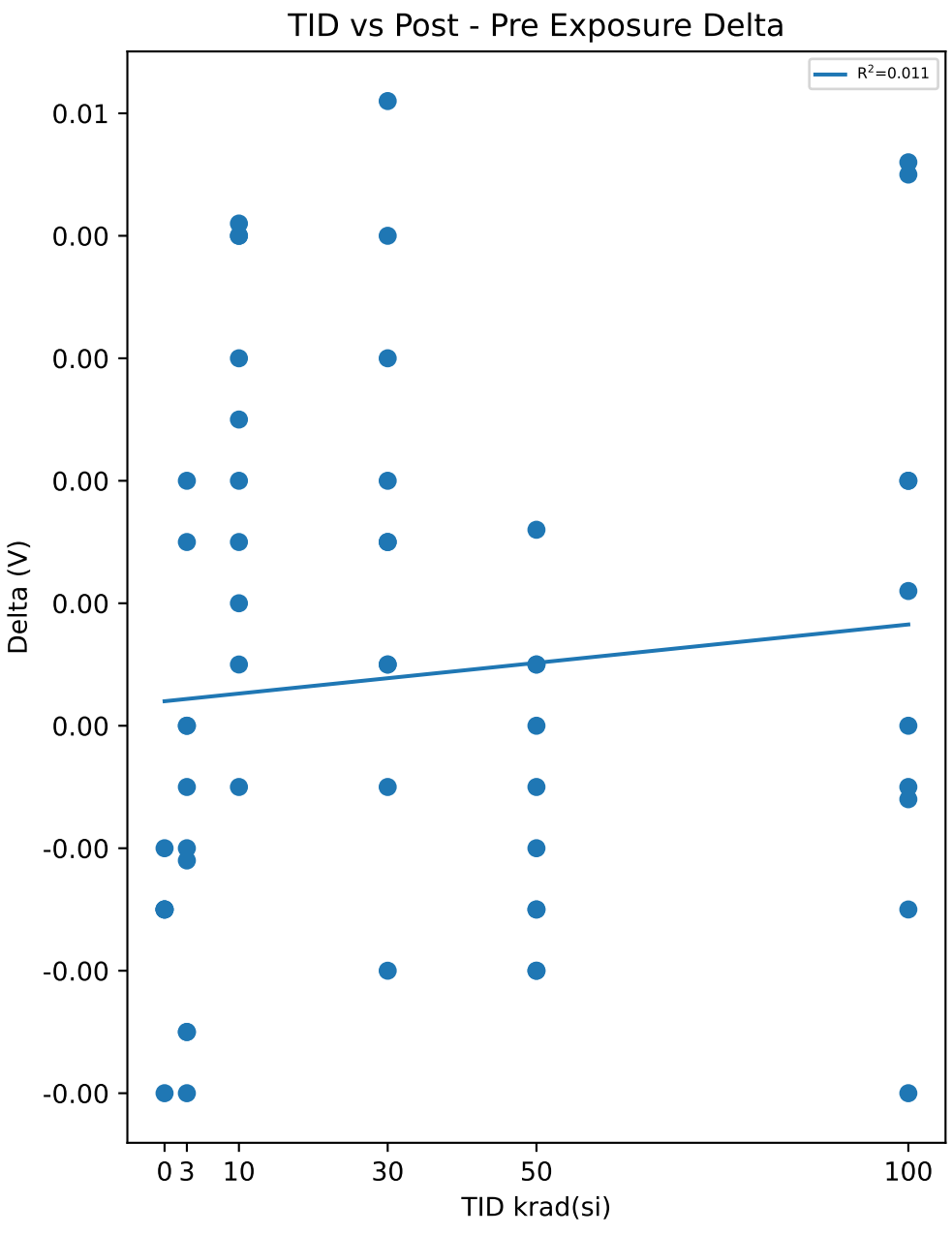
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	LDR Biased	25.363	25.443	0.08
2	3	LDR Biased	25.643	25.723	0.08
3	3	LDR Biased	25.723	25.923	0.2
4	3	LDR Biased	25.643	25.643	0
5	3	LDR Biased	25.243	25.323	0.08
6	10	LDR Biased	25.883	25.883	0
7	10	LDR Biased	25.243	25.403	0.16
8	10	LDR Biased	24.923	25.203	0.28
9	10	LDR Biased	25.683	25.763	0.08
10	10	LDR Biased	25.643	25.643	0
11	30	LDR Biased	25.603	25.843	0.24
12	30	LDR Biased	25.323	25.563	0.24
13	30	LDR Biased	25.363	25.563	0.2
14	30	LDR Biased	25.203	25.443	0.24
15	30	LDR Biased	25.443	25.603	0.16
16	50	LDR Biased	25.163	25.203	0.04
17	50	LDR Biased	25.483	25.483	0
18	50	LDR Biased	25.283	25.323	0.04
19	50	LDR Biased	25.603	25.803	0.2
20	50	LDR Biased	25.043	25.163	0.12
21	100	LDR Biased	25.523	25.443	-0.08
22	100	LDR Biased	25.443	25.443	0
23	100	LDR Biased	25.443	25.523	0.08
24	100	LDR Biased	25.203	25.283	0.08
25	100	LDR Biased	25.443	25.643	0.2
26	3	LDR Unbiased	25.243	25.243	0
27	3	LDR Unbiased	26.043	26.123	0.08
28	3	LDR Unbiased	25.323	25.323	0
29	3	LDR Unbiased	25.843	25.923	0.08
30	3	LDR Unbiased	25.483	25.523	0.04
31	10	LDR Unbiased	25.443	25.603	0.16
32	10	LDR Unbiased	25.523	25.643	0.12
33	10	LDR Unbiased	25.483	25.603	0.12
34	10	LDR Unbiased	25.803	25.843	0.04
35	10	LDR Unbiased	25.403	25.363	-0.04
36	30	LDR Unbiased	25.963	26.203	0.24
37	30	LDR Unbiased	25.443	25.523	0.08
38	30	LDR Unbiased	25.563	25.563	0
39	30	LDR Unbiased	25.443	25.443	0
40	30	LDR Unbiased	25.403	25.643	0.24
41	50	LDR Unbiased	25.323	25.363	0.04
42	50	LDR Unbiased	25.523	25.763	0.24
43	50	LDR Unbiased	25.683	25.763	0.08
44	50	LDR Unbiased	25.243	25.363	0.12
45	50	LDR Unbiased	25.643	25.803	0.16
46	100	LDR Unbiased	25.403	25.483	0.08
47	100	LDR Unbiased	25.523	25.483	-0.04
48	100	LDR Unbiased	25.283	25.523	0.24
49	100	LDR Unbiased	25.483	25.603	0.12
50	100	LDR Unbiased	25.323	25.523	0.2
60	0	Correlation	25.043	25.043	0
61	0	Correlation	25.443	25.443	0
62	0	Correlation	25.443	25.363	-0.08
63	0	Correlation	25.283	25.243	-0.04
64	0	Correlation	25.643	25.643	0
65	0	Correlation	25.363	25.323	-0.04

Test Statistics (ms)

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	25.043	25.37	25.643	0.19987	25.043	25.343	25.643	0.2004	-0.08	-0.026667	0	0.03266
3	25.243	25.555	26.043	0.26985	25.243	25.619	26.123	0.29945	0	0.064	0.2	0.060222
10	24.923	25.503	25.883	0.27984	25.203	25.595	25.883	0.21648	-0.04	0.092	0.28	0.09624
30	25.203	25.475	25.963	0.20552	25.443	25.639	26.203	0.22819	0	0.164	0.24	0.10058
50	25.043	25.399	25.683	0.21864	25.163	25.503	25.803	0.25665	0	0.104	0.24	0.078202
100	25.203	25.407	25.523	0.10575	25.283	25.495	25.643	0.09807	-0.08	0.088	0.24	0.10633

Device Test: 22.19 _LEVEL|RISE/COMP/14////@V_COMP_SD





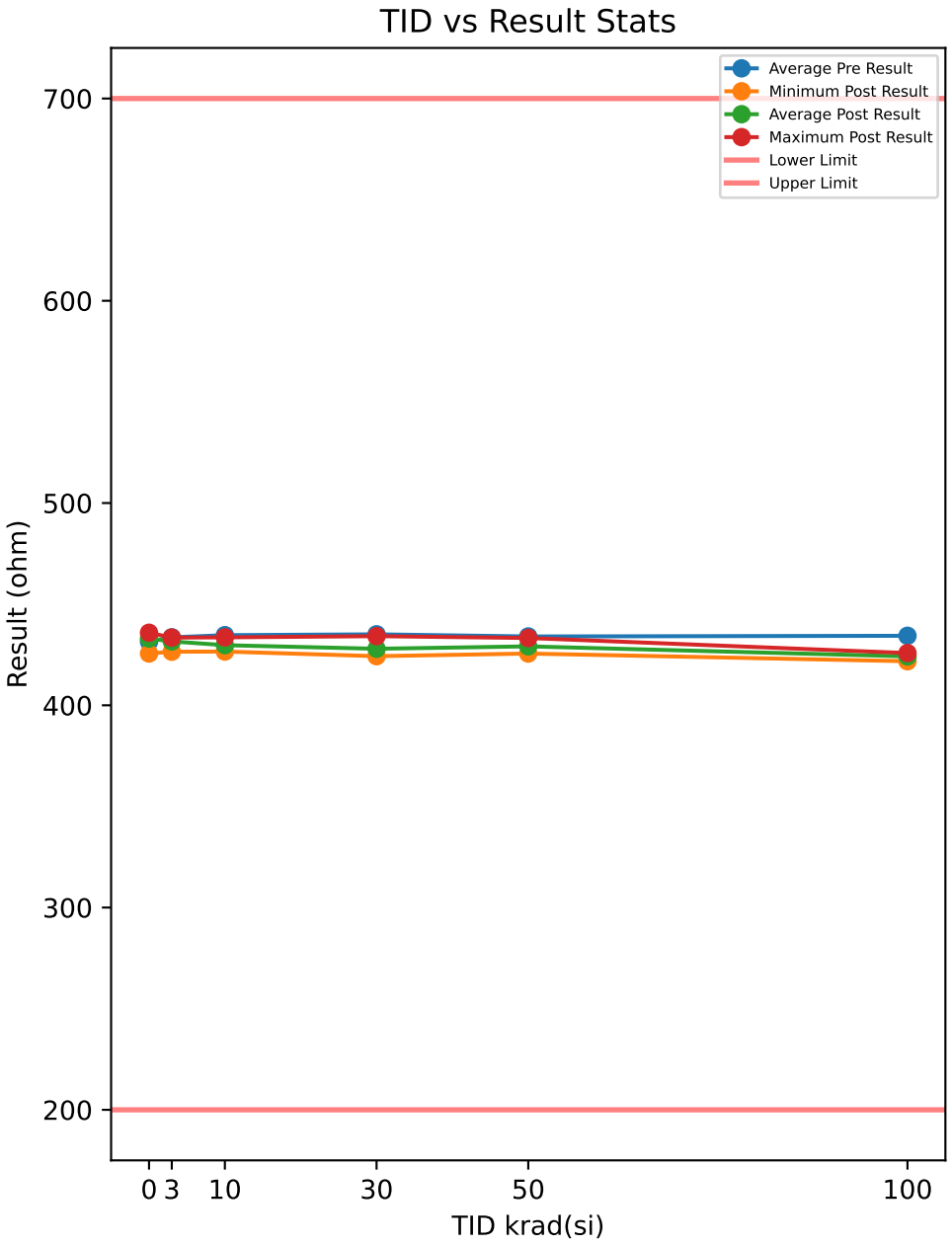
Test Results (Lower Limit = 1.7, Upper Limit = 2.1 (V))

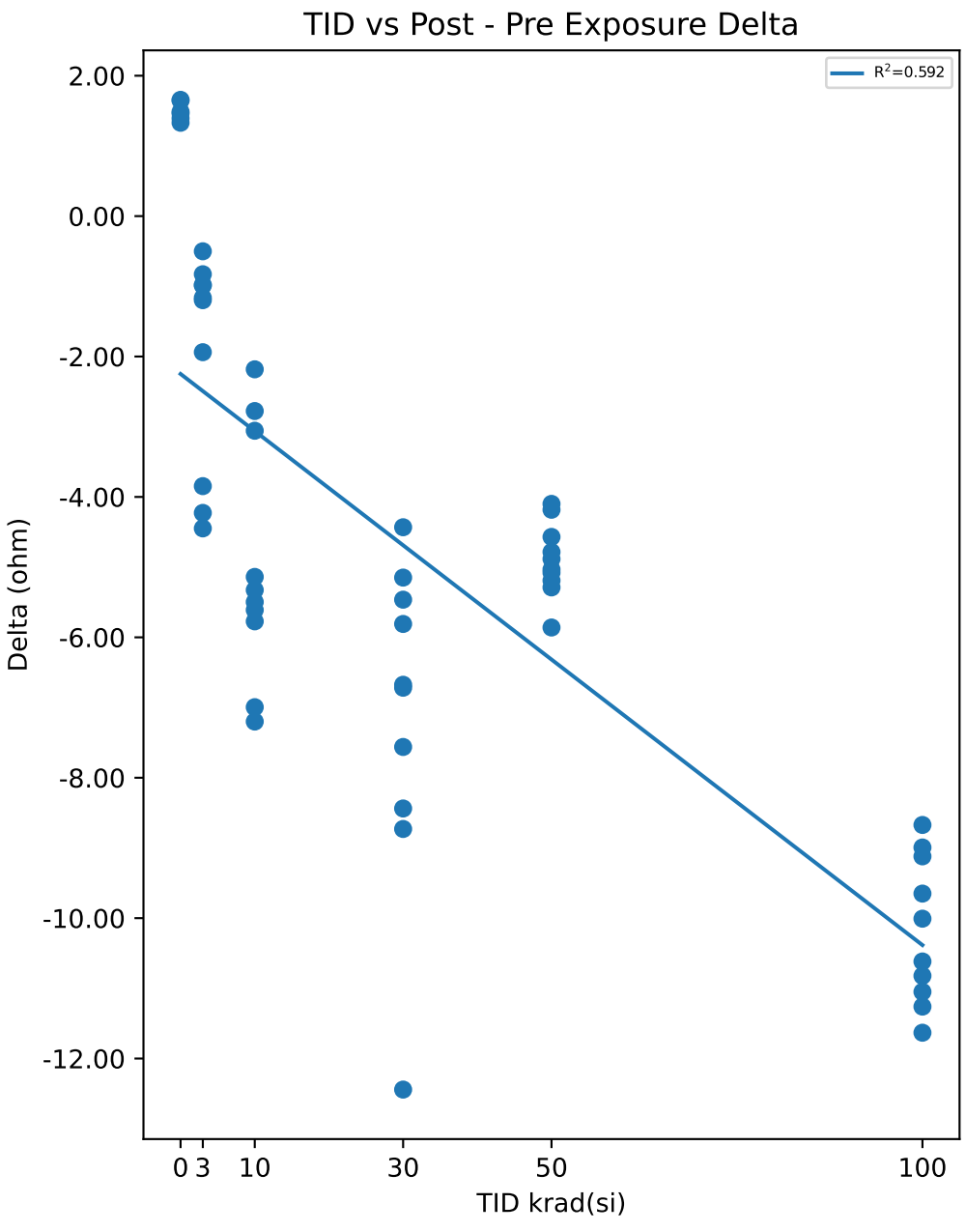
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	LDR Biased	1.9058	1.9073	0.0015
2	3	LDR Biased	1.8932	1.8907	-0.0025
3	3	LDR Biased	1.8882	1.8902	0.002
4	3	LDR Biased	1.9018	1.9018	0
5	3	LDR Biased	1.8927	1.8902	-0.0025
6	10	LDR Biased	1.8932	1.8972	0.004
7	10	LDR Biased	1.8987	1.9028	0.0041
8	10	LDR Biased	1.8962	1.9002	0.004
9	10	LDR Biased	1.8817	1.8842	0.0025
10	10	LDR Biased	1.8882	1.8902	0.002
11	30	LDR Biased	1.8982	1.9033	0.0051
12	30	LDR Biased	1.9053	1.9093	0.004
13	30	LDR Biased	1.9073	1.9103	0.003
14	30	LDR Biased	1.9088	1.9103	0.0015
15	30	LDR Biased	1.9023	1.9018	-0.0005
16	50	LDR Biased	1.9002	1.9007	0.0005
17	50	LDR Biased	1.8967	1.8972	0.0005
18	50	LDR Biased	1.8977	1.8977	0
19	50	LDR Biased	1.8927	1.8922	-0.0005
20	50	LDR Biased	1.9058	1.9048	-0.001
21	100	LDR Biased	1.8932	1.8977	0.0045
22	100	LDR Biased	1.9083	1.9078	-0.0005
23	100	LDR Biased	1.8977	1.8977	0
24	100	LDR Biased	1.8932	1.8902	-0.003
25	100	LDR Biased	1.9118	1.9103	-0.0015
26	3	LDR Unbiased	1.9103	1.9098	-0.0005
27	3	LDR Unbiased	1.8967	1.8967	0
28	3	LDR Unbiased	1.8862	1.8852	-0.001
29	3	LDR Unbiased	1.9013	1.9002	-0.0011
30	3	LDR Unbiased	1.8932	1.8902	-0.003
31	10	LDR Unbiased	1.8922	1.8937	0.0015
32	10	LDR Unbiased	1.9108	1.9103	-0.0005
33	10	LDR Unbiased	1.9028	1.9038	0.001
34	10	LDR Unbiased	1.8937	1.8967	0.003
35	10	LDR Unbiased	1.8982	1.8987	0.0005
36	30	LDR Unbiased	1.8922	1.8902	-0.002
37	30	LDR Unbiased	1.9088	1.9093	0.0005
38	30	LDR Unbiased	1.9033	1.9053	0.002
39	30	LDR Unbiased	1.8927	1.8932	0.0005
40	30	LDR Unbiased	1.9038	1.9053	0.0015
41	50	LDR Unbiased	1.8982	1.8998	0.0016
42	50	LDR Unbiased	1.8922	1.8907	-0.0015
43	50	LDR Unbiased	1.9073	1.9053	-0.002
44	50	LDR Unbiased	1.9058	1.9038	-0.002
45	50	LDR Unbiased	1.9173	1.9158	-0.0015
46	100	LDR Unbiased	1.9007	1.9018	0.0011
47	100	LDR Unbiased	1.9058	1.9078	0.002
48	100	LDR Unbiased	1.9002	1.9048	0.0046
49	100	LDR Unbiased	1.9013	1.9007	-0.0006
50	100	LDR Unbiased	1.9058	1.9078	0.002
60	0	Correlation	1.8932	1.8902	-0.003
61	0	Correlation	1.8967	1.8952	-0.0015
62	0	Correlation	1.8897	1.8882	-0.0015
63	0	Correlation	1.8982	1.8972	-0.001
64	0	Correlation	1.8892	1.8877	-0.0015
65	0	Correlation	1.8967	1.8952	-0.0015

Test Statistics (V)

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	1.8892	1.894	1.8982	0.0038568	1.8877	1.8923	1.8972	0.0040794	-0.003	-0.0016667	-0.001	0.00068313
3	1.8862	1.8969	1.9103	0.007727	1.8852	1.8962	1.9098	0.0082665	-0.003	-0.00071	0.002	0.0016723
10	1.8817	1.8956	1.9108	0.0079478	1.8842	1.8978	1.9103	0.0073403	-0.0005	0.00221	0.0041	0.0015975
30	1.8922	1.9023	1.9088	0.0060802	1.8902	1.9038	1.9103	0.0070794	-0.002	0.00156	0.0051	0.0021062
50	1.8922	1.9014	1.9173	0.0077037	1.8907	1.9008	1.9158	0.007225	-0.002	-0.00059	0.0016	0.001217
100	1.8932	1.9018	1.9118	0.0061734	1.8902	1.9027	1.9103	0.0062472	-0.003	0.00086	0.0046	0.002474

Device Test: 22.2 _LEVEL|SINK/SS_TR/4.5////@R_SS_DISCHARGE





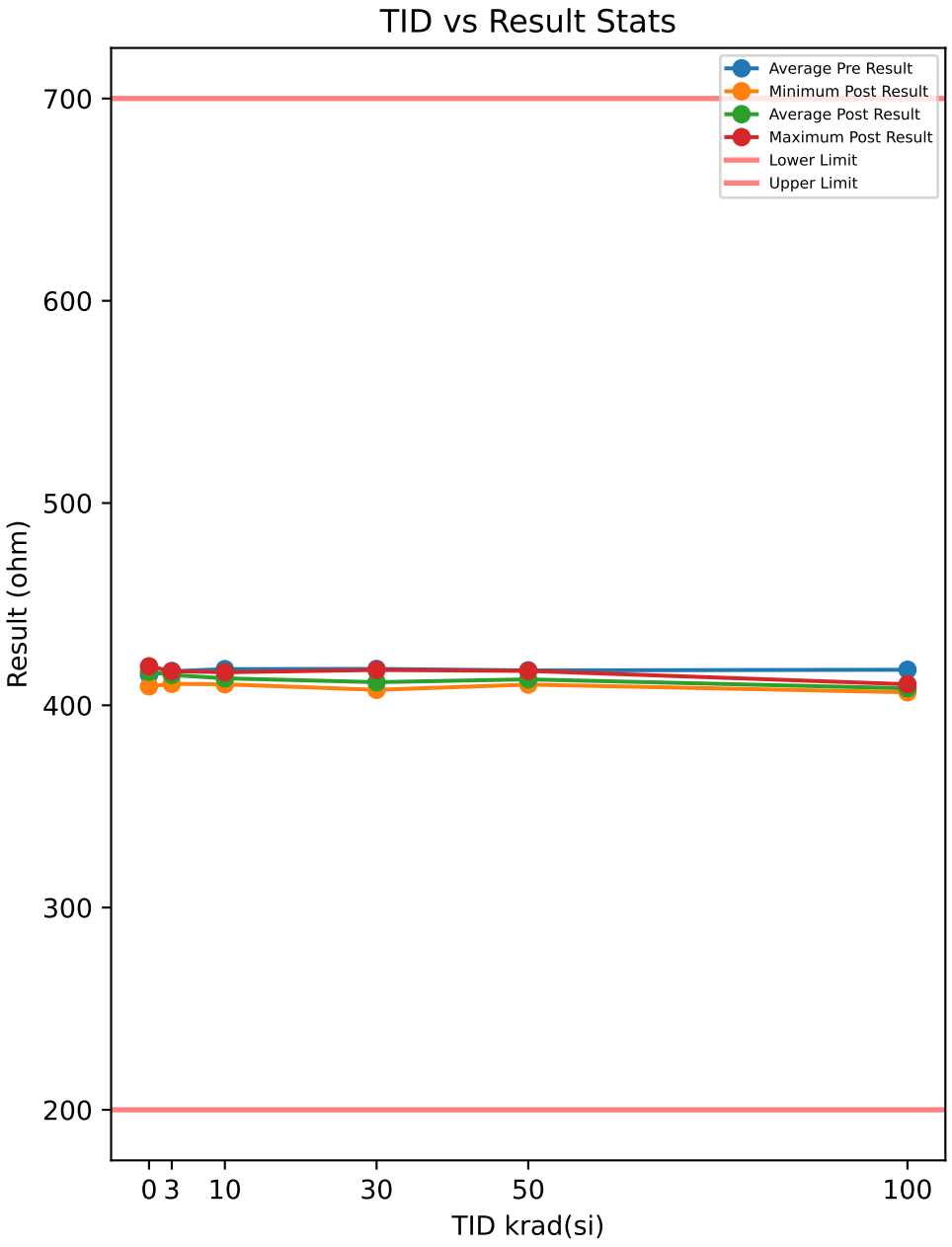
Test Results (Lower Limit = 200.0, Upper Limit = 700.0 (ohm))

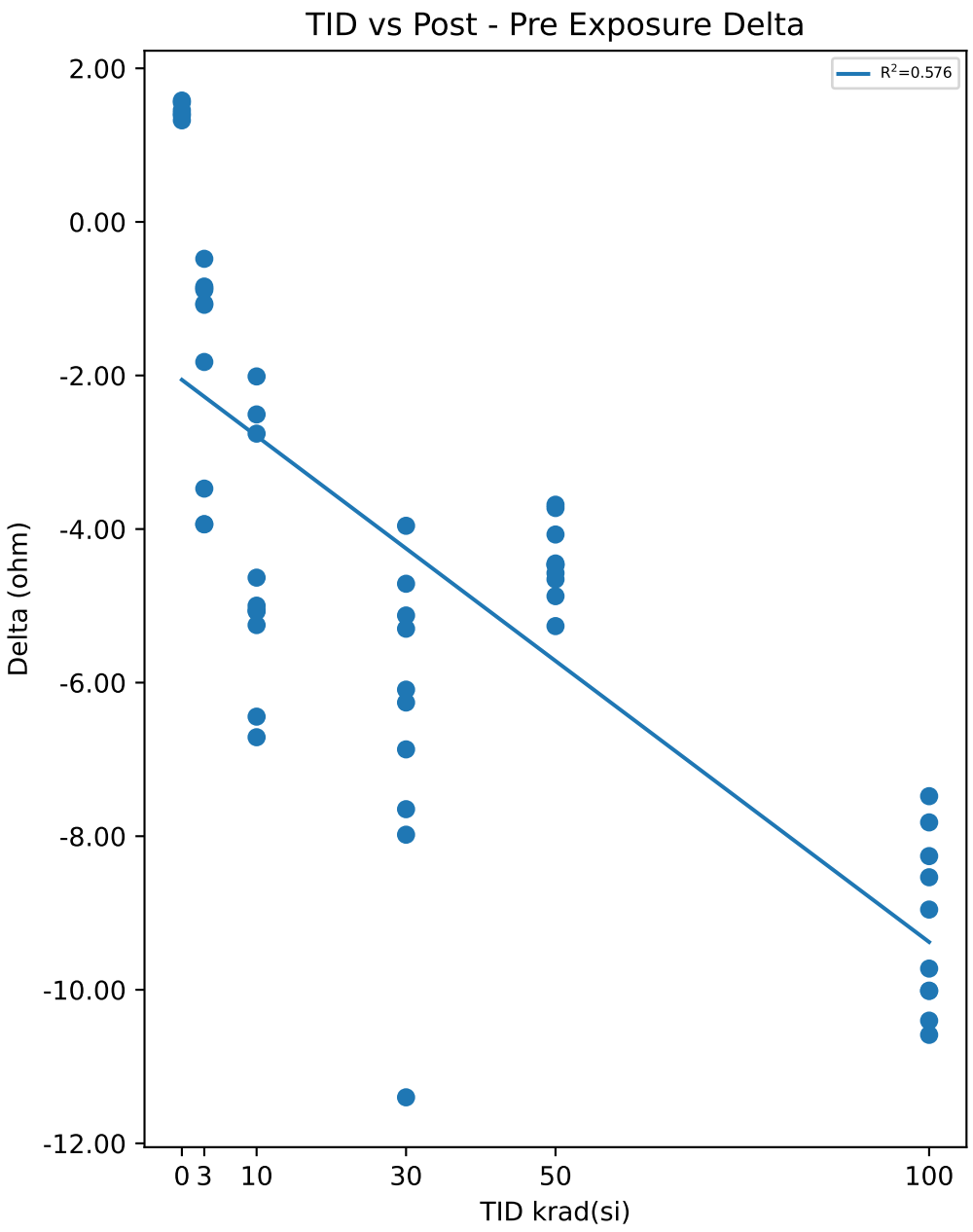
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	LDR Biased	434.79	430.56	-4.2275
2	3	LDR Biased	437.92	433.47	-4.4483
3	3	LDR Biased	433.4	429.55	-3.8462
4	3	LDR Biased	434.31	432.37	-1.9384
5	3	LDR Biased	433.51	432.53	-0.9791
6	10	LDR Biased	434.23	428.9	-5.3261
7	10	LDR Biased	433.78	426.58	-7.1996
8	10	LDR Biased	434.81	427.81	-6.9949
9	10	LDR Biased	436.79	431.18	-5.6104
10	10	LDR Biased	435.48	430.34	-5.1393
11	30	LDR Biased	435.2	426.47	-8.7298
12	30	LDR Biased	436.72	424.28	-12.442
13	30	LDR Biased	434.49	426.05	-8.4381
14	30	LDR Biased	433.35	425.79	-7.5617
15	30	LDR Biased	435.71	430.25	-5.4636
16	50	LDR Biased	433.86	428	-5.86
17	50	LDR Biased	433.54	428.25	-5.2889
18	50	LDR Biased	429.77	425.59	-4.1826
19	50	LDR Biased	437.84	433.27	-4.5694
20	50	LDR Biased	433.12	429.02	-4.099
21	100	LDR Biased	435.47	424.42	-11.049
22	100	LDR Biased	434.46	424.81	-9.6503
23	100	LDR Biased	431.79	421.78	-10.008
24	100	LDR Biased	434.51	425.51	-8.9935
25	100	LDR Biased	434.5	425.83	-8.6726
26	3	LDR Unbiased	434.33	433.17	-1.1632
27	3	LDR Unbiased	427.69	426.5	-1.1974
28	3	LDR Unbiased	433.4	432.58	-0.8278
29	3	LDR Unbiased	433.25	432.26	-0.9878
30	3	LDR Unbiased	433.32	432.82	-0.5009
31	10	LDR Unbiased	435.13	429.63	-5.4967
32	10	LDR Unbiased	432.63	426.86	-5.7723
33	10	LDR Unbiased	436.64	433.59	-3.0572
34	10	LDR Unbiased	433.35	430.57	-2.7765
35	10	LDR Unbiased	433.88	431.7	-2.1823
36	30	LDR Unbiased	434.51	427.83	-6.6755
37	30	LDR Unbiased	433.49	426.77	-6.7178
38	30	LDR Unbiased	435.07	429.26	-5.8095
39	30	LDR Unbiased	439.33	434.18	-5.1491
40	30	LDR Unbiased	433.03	428.6	-4.4319
41	50	LDR Unbiased	433.82	428.63	-5.1906
42	50	LDR Unbiased	437.49	432.61	-4.884
43	50	LDR Unbiased	433.16	428.13	-5.032
44	50	LDR Unbiased	433.42	428.63	-4.7846
45	50	LDR Unbiased	434.36	429.28	-5.0788
46	100	LDR Unbiased	435.33	423.7	-11.632
47	100	LDR Unbiased	435.1	423.84	-11.26
48	100	LDR Unbiased	434.36	423.54	-10.822
49	100	LDR Unbiased	433.51	422.89	-10.617
50	100	LDR Unbiased	434.6	425.48	-9.1199
60	0	Correlation	432.79	434.44	1.6562
61	0	Correlation	434.4	435.86	1.4615
62	0	Correlation	432.3	433.69	1.3925
63	0	Correlation	432.45	433.78	1.3298
64	0	Correlation	424.11	425.6	1.4872
65	0	Correlation	432.85	434.5	1.6468

Test Statistics (ohm)

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	424.11	431.48	434.4	3.6867	425.6	432.98	435.86	3.6964	1.3298	1.4957	1.6562	0.13267
3	427.69	433.59	437.92	2.5005	426.5	431.58	433.47	2.1507	-4.4483	-2.0117	-0.5009	1.542
10	432.63	434.67	436.79	1.3672	426.58	429.72	433.59	2.2242	-7.1996	-4.9555	-2.1823	1.7255
30	433.03	435.09	439.33	1.8727	424.28	427.95	434.18	2.8197	-12.442	-7.1419	-4.4319	2.328
50	429.77	434.04	437.84	2.2863	425.59	429.14	433.27	2.2456	-5.86	-4.897	-4.099	0.52554
100	431.79	434.36	435.47	1.0619	421.78	424.18	425.83	1.2819	-11.632	-10.182	-8.6726	1.0407

Device Test: 22.20 _LEVEL|SINK/SS_TR/14////@R_SS_DISCHARGE





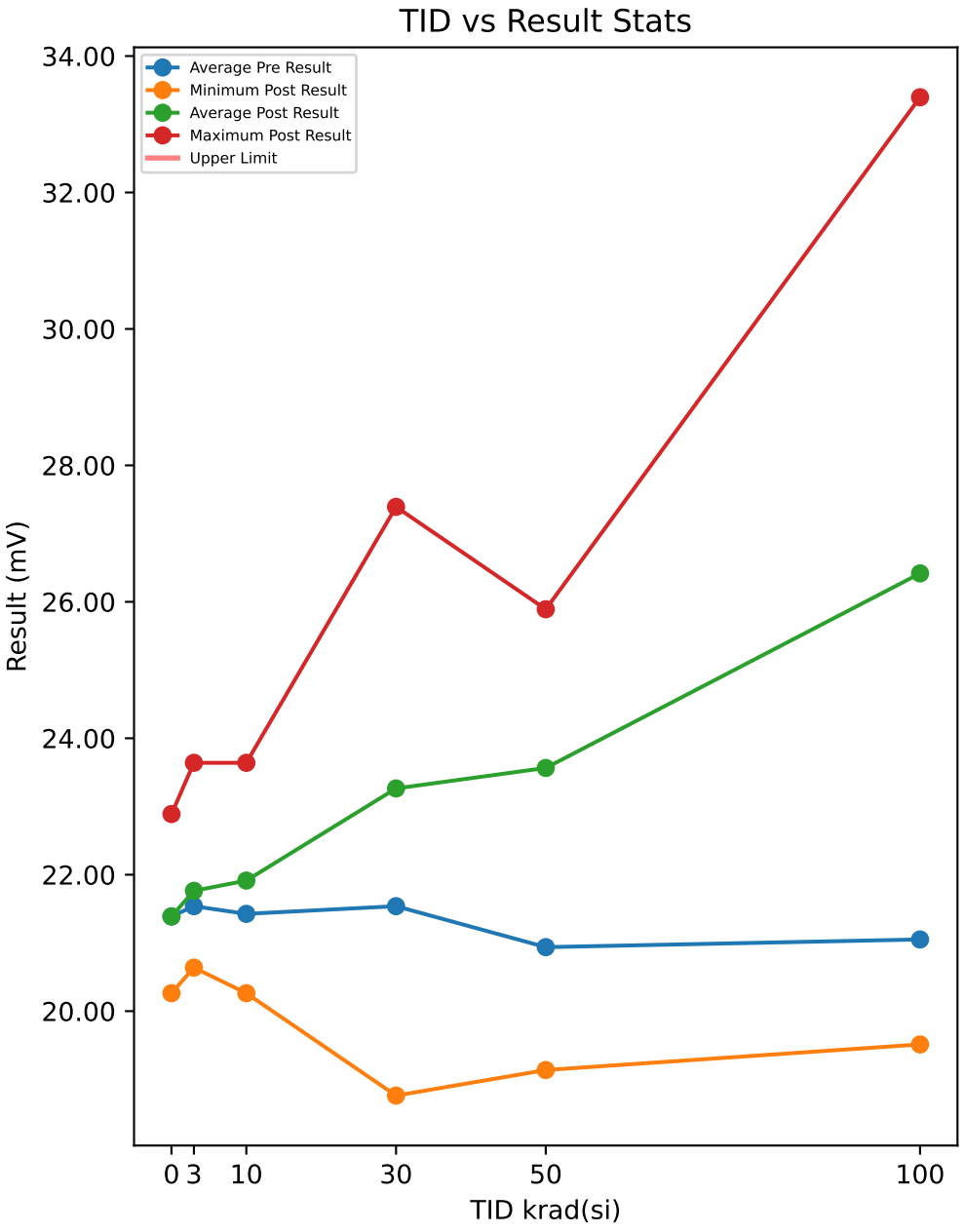
Test Results (Lower Limit = 200.0, Upper Limit = 700.0 (ohm))

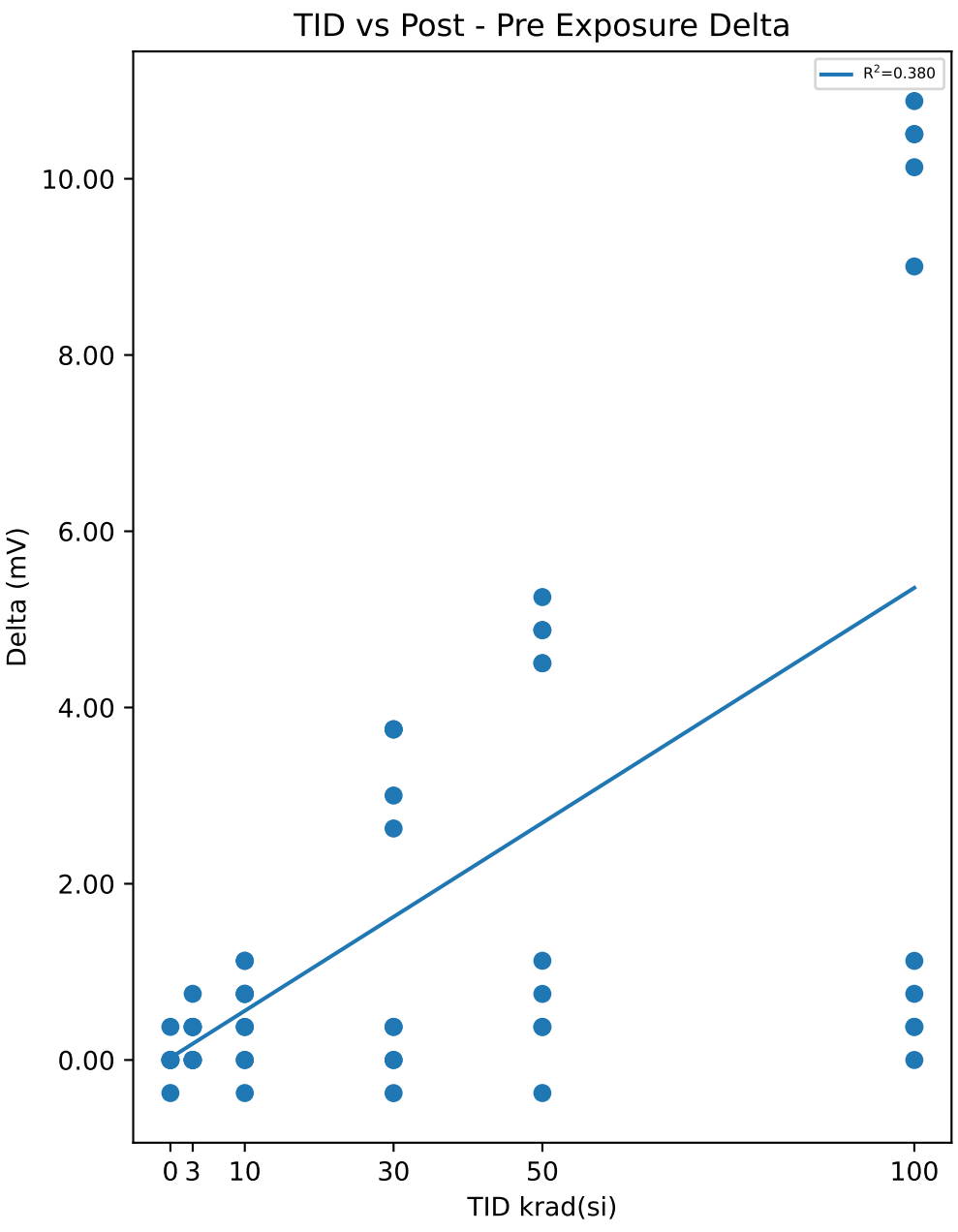
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	LDR Biased	417.76	413.82	-3.9388
2	3	LDR Biased	420.82	416.88	-3.9362
3	3	LDR Biased	416.01	412.54	-3.4733
4	3	LDR Biased	417.24	415.42	-1.8241
5	3	LDR Biased	416.88	415.99	-0.8861
6	10	LDR Biased	418.35	413.35	-4.9976
7	10	LDR Biased	417.2	410.49	-6.7111
8	10	LDR Biased	417.34	410.9	-6.4431
9	10	LDR Biased	419.44	414.37	-5.0723
10	10	LDR Biased	418.99	414.36	-4.633
11	30	LDR Biased	418.57	410.59	-7.9804
12	30	LDR Biased	419.04	407.64	-11.401
13	30	LDR Biased	417.61	409.96	-7.6483
14	30	LDR Biased	415.7	408.83	-6.8694
15	30	LDR Biased	418.56	413.44	-5.1256
16	50	LDR Biased	416.49	411.23	-5.2639
17	50	LDR Biased	416.46	411.81	-4.6549
18	50	LDR Biased	413.98	410.25	-3.7259
19	50	LDR Biased	421.08	417.01	-4.0711
20	50	LDR Biased	416.54	412.86	-3.6831
21	100	LDR Biased	418.9	408.88	-10.015
22	100	LDR Biased	417.16	408.62	-8.5349
23	100	LDR Biased	415.4	406.44	-8.9554
24	100	LDR Biased	418.22	410.4	-7.8201
25	100	LDR Biased	417	409.52	-7.4788
26	3	LDR Unbiased	416.85	415.77	-1.0796
27	3	LDR Unbiased	411.67	410.61	-1.0643
28	3	LDR Unbiased	417	416.14	-0.864
29	3	LDR Unbiased	417.13	416.29	-0.842
30	3	LDR Unbiased	417.04	416.56	-0.4806
31	10	LDR Unbiased	418.89	413.83	-5.0547
32	10	LDR Unbiased	415.63	410.38	-5.2505
33	10	LDR Unbiased	419.08	416.33	-2.7573
34	10	LDR Unbiased	416.59	414.08	-2.5073
35	10	LDR Unbiased	417.21	415.2	-2.0124
36	30	LDR Unbiased	418.1	412.01	-6.0912
37	30	LDR Unbiased	416.19	409.93	-6.2591
38	30	LDR Unbiased	417.93	412.63	-5.298
39	30	LDR Unbiased	422.19	417.48	-4.7124
40	30	LDR Unbiased	415.85	411.89	-3.9576
41	50	LDR Unbiased	416.78	411.9	-4.8739
42	50	LDR Unbiased	420.91	416.45	-4.4654
43	50	LDR Unbiased	416.15	411.57	-4.573
44	50	LDR Unbiased	416.72	412.28	-4.4485
45	50	LDR Unbiased	417.32	412.85	-4.47
46	100	LDR Unbiased	417.81	407.22	-10.587
47	100	LDR Unbiased	418.36	407.96	-10.402
48	100	LDR Unbiased	417.61	407.6	-10.012
49	100	LDR Unbiased	416.81	407.09	-9.724
50	100	LDR Unbiased	418.47	410.21	-8.2591
60	0	Correlation	416.45	418.03	1.5803
61	0	Correlation	417.88	419.27	1.3858
62	0	Correlation	415.78	417.19	1.4117
63	0	Correlation	416.01	417.33	1.3226
64	0	Correlation	407.92	409.38	1.4552
65	0	Correlation	416.6	418.16	1.5542

Test Statistics (ohm)

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	407.92	415.11	417.88	3.5949	409.38	416.56	419.27	3.5949	1.3226	1.4516	1.5803	0.099665
3	411.67	416.84	420.82	2.2206	410.61	415	416.88	2.0394	-3.9388	-1.8389	-0.4806	1.3886
10	415.63	417.87	419.44	1.2594	410.38	413.33	416.33	2.0567	-6.7111	-4.5439	-2.0124	1.6092
30	415.7	417.97	422.19	1.9051	407.64	411.44	417.48	2.7657	-11.401	-6.5343	-3.9576	2.131
50	413.98	417.24	421.08	2.167	410.25	412.82	417.01	2.201	-5.2639	-4.423	-3.6831	0.4886
100	415.4	417.57	418.9	1.0251	406.44	408.4	410.4	1.3564	-10.587	-9.1788	-7.4788	1.1164

Device Test: 22.21 _LEVEL|STATIC/SS_TR/14////@V_SS_START





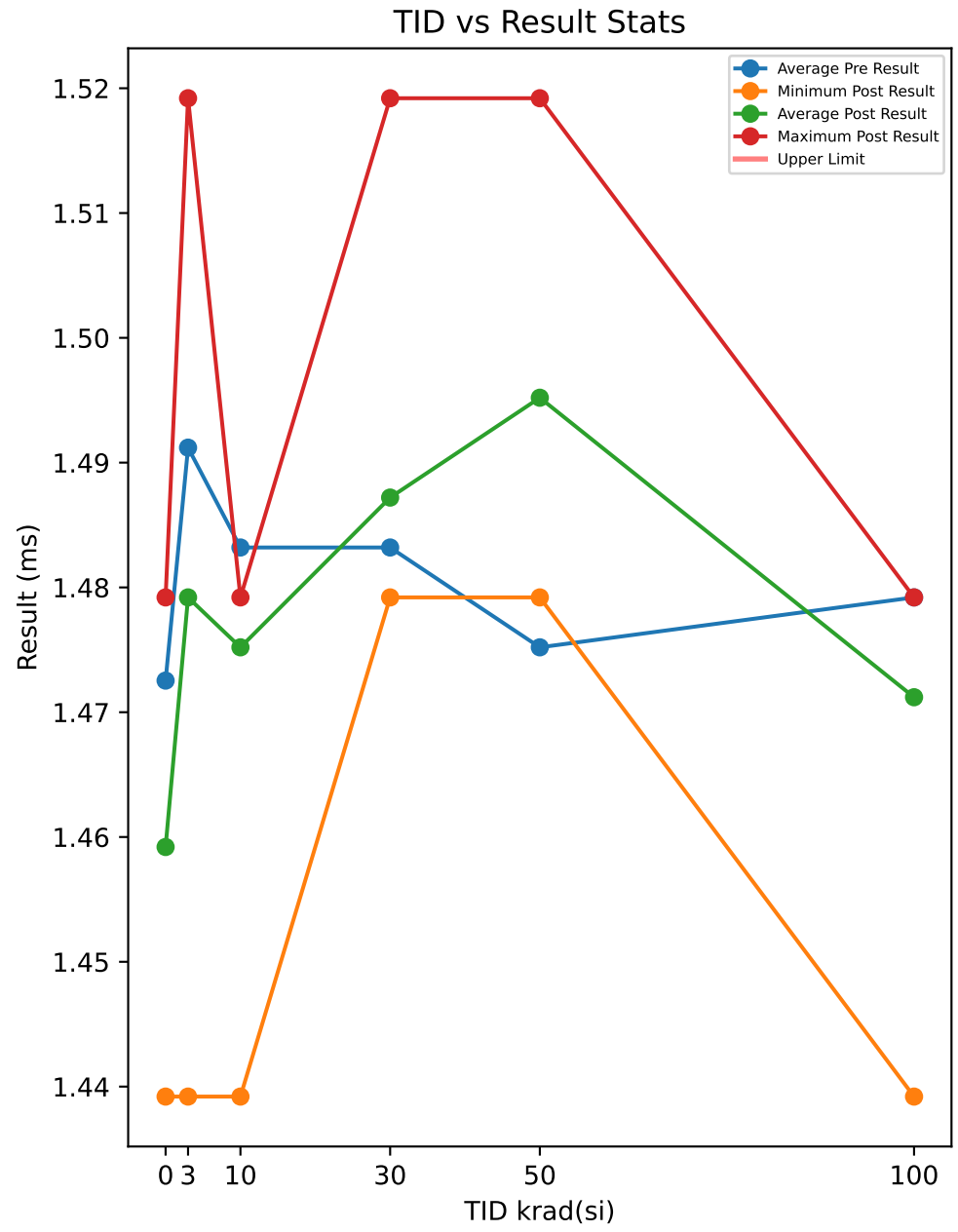
Test Results (No Limits Specified (mV))

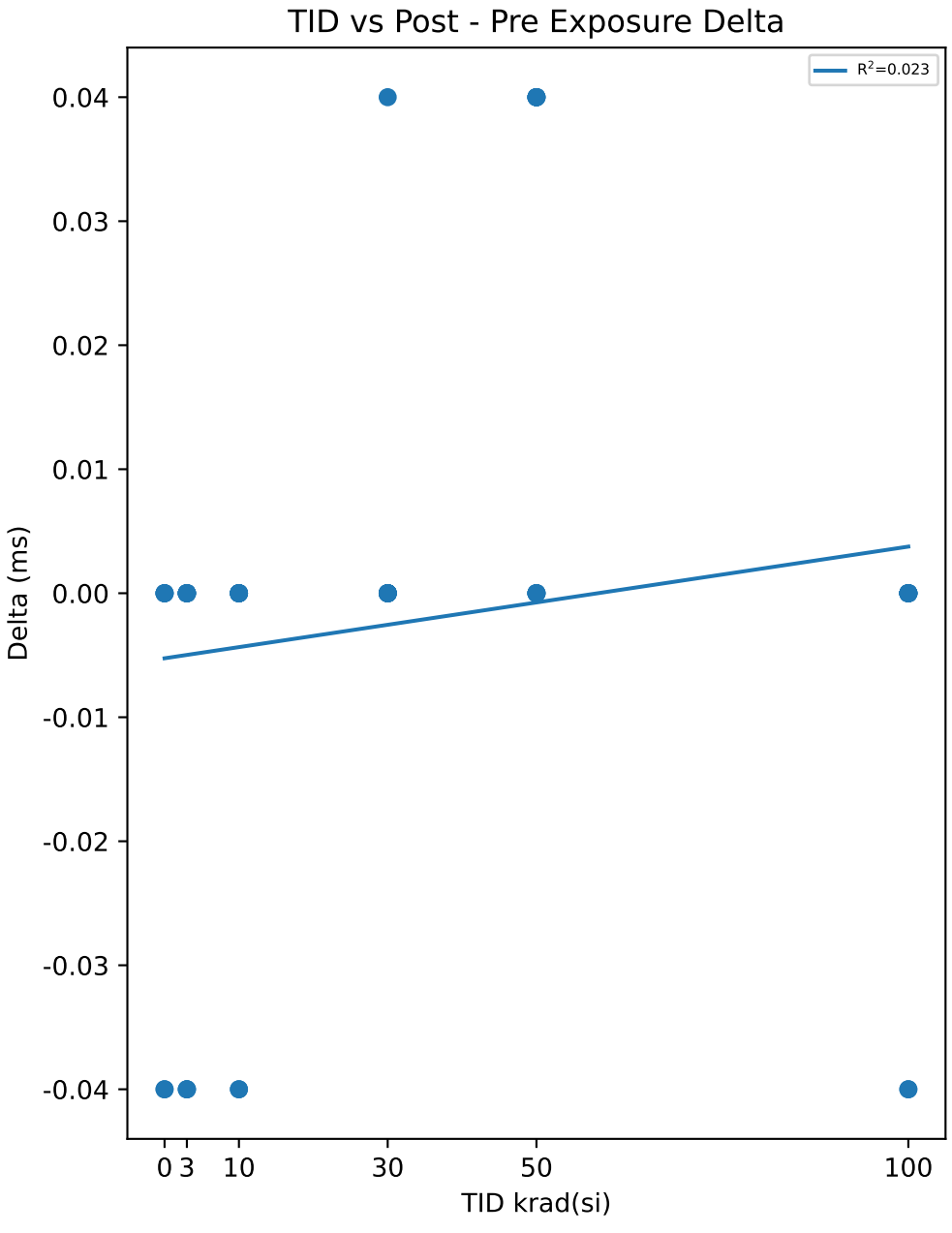
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	LDR Biased	22.514	22.889	0.375
2	3	LDR Biased	19.887	20.638	0.751
3	3	LDR Biased	23.64	23.64	0
4	3	LDR Biased	21.388	21.764	0.376
5	3	LDR Biased	22.514	22.889	0.375
6	10	LDR Biased	21.764	22.514	0.75
7	10	LDR Biased	20.263	21.388	1.125
8	10	LDR Biased	21.764	22.514	0.75
9	10	LDR Biased	20.638	21.764	1.126
10	10	LDR Biased	19.512	20.263	0.751
11	30	LDR Biased	23.64	27.392	3.752
12	30	LDR Biased	21.388	24.015	2.627
13	30	LDR Biased	21.764	24.765	3.001
14	30	LDR Biased	21.764	25.516	3.752
15	30	LDR Biased	20.263	24.015	3.752
16	50	LDR Biased	20.263	24.765	4.502
17	50	LDR Biased	20.638	25.516	4.878
18	50	LDR Biased	21.013	25.891	4.878
19	50	LDR Biased	21.013	25.516	4.503
20	50	LDR Biased	19.512	24.765	5.253
21	100	LDR Biased	22.139	31.144	9.005
22	100	LDR Biased	20.263	30.769	10.506
23	100	LDR Biased	20.263	30.394	10.131
24	100	LDR Biased	22.514	33.396	10.882
25	100	LDR Biased	19.887	30.394	10.507
26	3	LDR Unbiased	21.764	21.764	0
27	3	LDR Unbiased	20.263	20.638	0.375
28	3	LDR Unbiased	21.013	21.013	0
29	3	LDR Unbiased	21.388	21.388	0
30	3	LDR Unbiased	21.013	21.013	0
31	10	LDR Unbiased	23.64	23.265	-0.375
32	10	LDR Unbiased	20.263	20.263	0
33	10	LDR Unbiased	22.514	22.889	0.375
34	10	LDR Unbiased	23.64	23.64	0
35	10	LDR Unbiased	20.263	20.638	0.375
36	30	LDR Unbiased	22.514	22.514	0
37	30	LDR Unbiased	22.139	22.514	0.375
38	30	LDR Unbiased	23.265	22.889	-0.376
39	30	LDR Unbiased	19.887	20.263	0.376
40	30	LDR Unbiased	18.762	18.762	0
41	50	LDR Unbiased	22.139	21.764	-0.375
42	50	LDR Unbiased	21.764	22.139	0.375
43	50	LDR Unbiased	21.013	22.139	1.126
44	50	LDR Unbiased	23.265	24.015	0.75
45	50	LDR Unbiased	18.762	19.137	0.375
46	100	LDR Unbiased	23.265	24.39	1.125
47	100	LDR Unbiased	19.137	19.512	0.375
48	100	LDR Unbiased	22.139	22.139	0
49	100	LDR Unbiased	21.013	21.764	0.751
50	100	LDR Unbiased	19.887	20.263	0.376
60	0	Correlation	21.388	21.388	0
61	0	Correlation	22.139	21.764	-0.375
62	0	Correlation	22.889	22.889	0
63	0	Correlation	20.263	20.263	0
64	0	Correlation	19.887	20.263	0.376
65	0	Correlation	21.764	21.764	0

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	19.887	21.388	22.889	1.1382	20.263	21.389	22.889	1.0067	-0.375	0.00016667	0.376	0.23749
3	19.887	21.538	23.64	1.1216	20.638	21.764	23.64	1.0465	0	0.2252	0.751	0.26249
10	19.512	21.426	23.64	1.4741	20.263	21.914	23.64	1.2407	-0.375	0.4877	1.126	0.50176
30	18.762	21.539	23.64	1.5238	18.762	23.265	27.392	2.4952	-0.376	1.7259	3.752	1.7881
50	18.762	20.938	23.265	1.2854	19.137	23.565	25.891	2.1864	-0.375	2.6265	5.253	2.3332
100	19.137	21.051	23.265	1.3754	19.512	26.417	33.396	5.2835	0	5.3658	10.882	5.1328

Device Test: 22.22 _TIMING|STARTUP/SS_TR/14////@T_SS_5P6NF





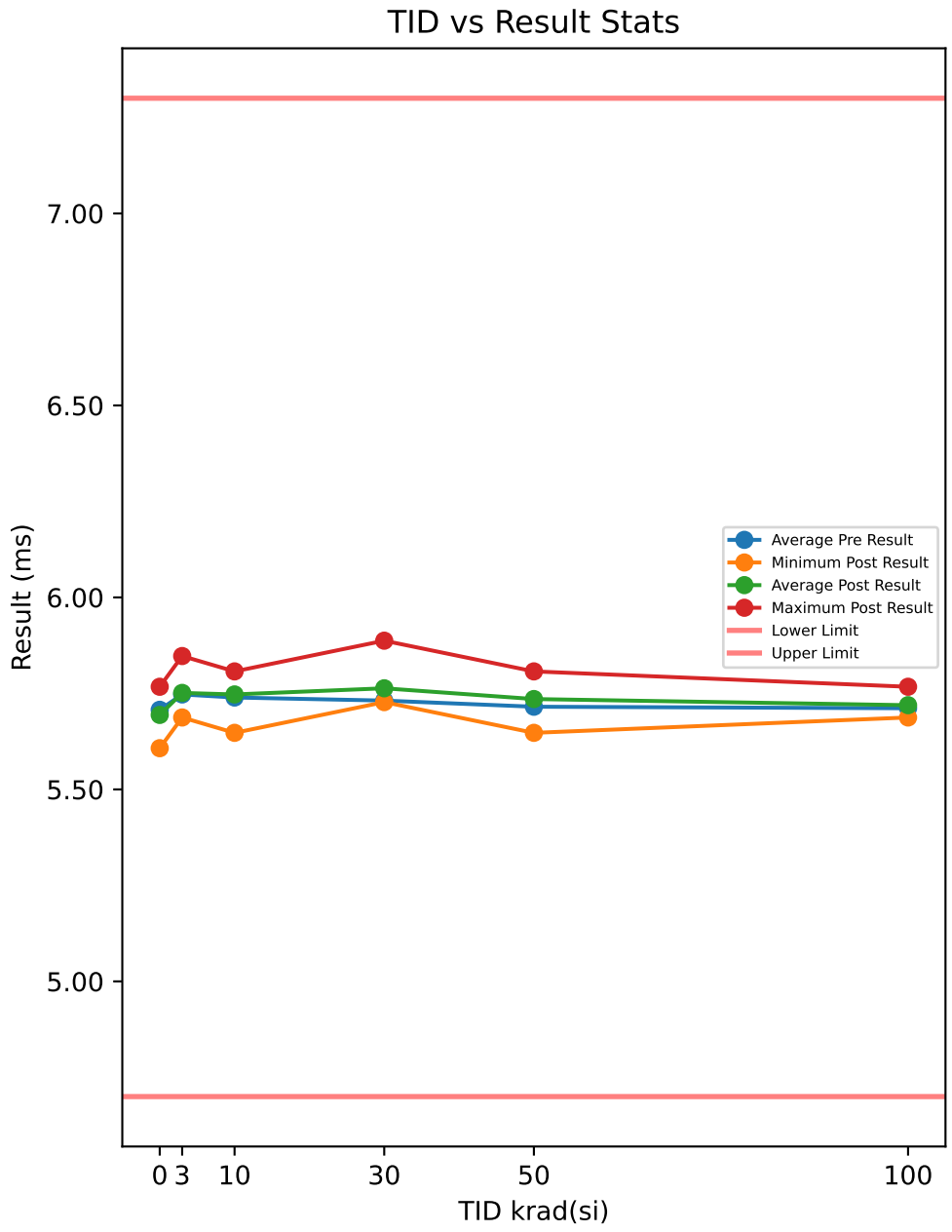
Test Results (No Limits Specified (ms))

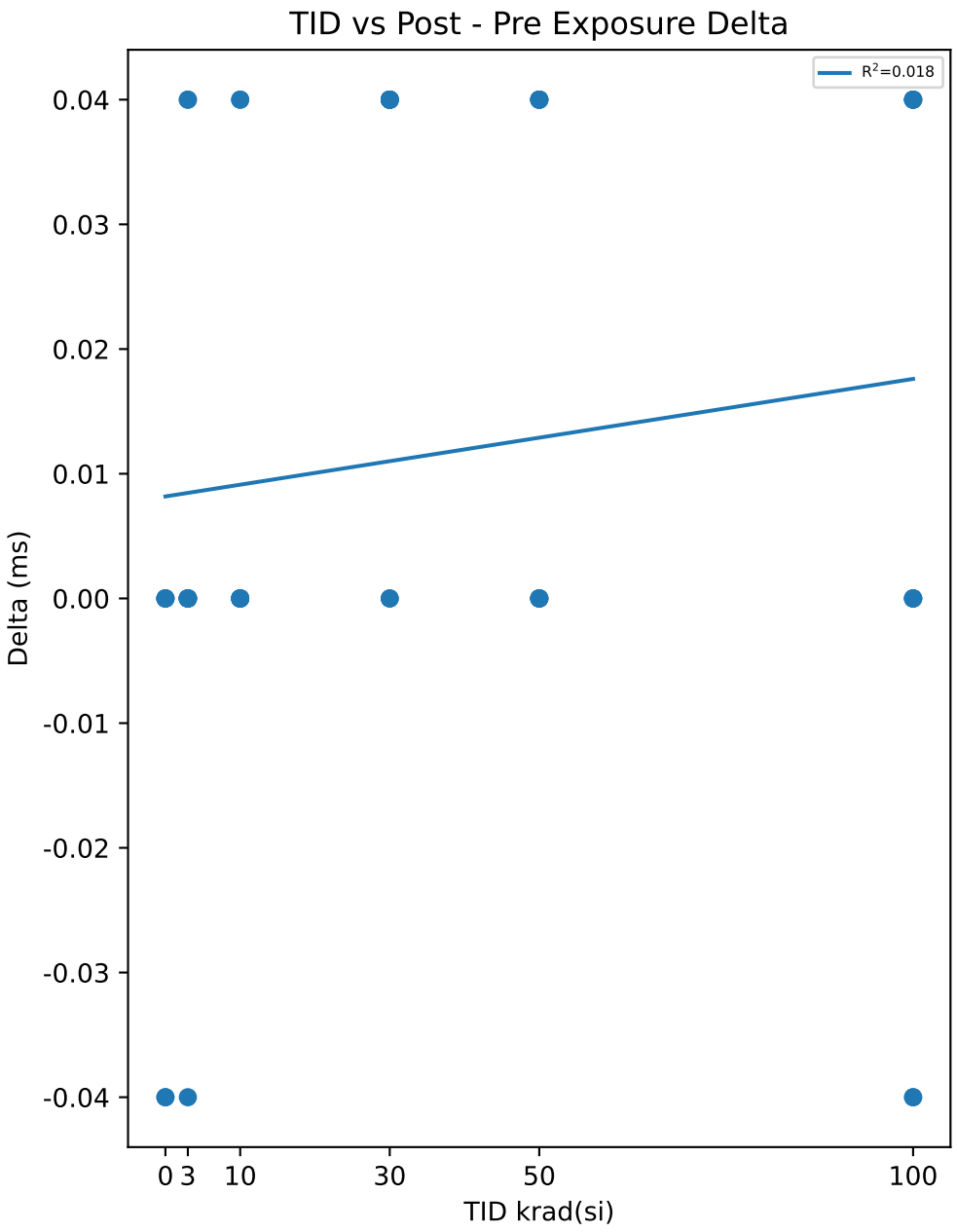
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	LDR Biased	1.4792	1.4792	0
2	3	LDR Biased	1.4792	1.4792	0
3	3	LDR Biased	1.5192	1.4792	-0.04
4	3	LDR Biased	1.4792	1.4792	0
5	3	LDR Biased	1.4792	1.4792	0
6	10	LDR Biased	1.5192	1.4792	-0.04
7	10	LDR Biased	1.4792	1.4792	0
8	10	LDR Biased	1.4392	1.4392	0
9	10	LDR Biased	1.4792	1.4792	0
10	10	LDR Biased	1.4792	1.4792	0
11	30	LDR Biased	1.4792	1.5192	0.04
12	30	LDR Biased	1.4792	1.4792	0
13	30	LDR Biased	1.4792	1.4792	0
14	30	LDR Biased	1.4792	1.4792	0
15	30	LDR Biased	1.4792	1.4792	0
16	50	LDR Biased	1.4792	1.4792	0
17	50	LDR Biased	1.4792	1.4792	0
18	50	LDR Biased	1.4792	1.4792	0
19	50	LDR Biased	1.4792	1.5192	0.04
20	50	LDR Biased	1.4392	1.4792	0.04
21	100	LDR Biased	1.4792	1.4792	0
22	100	LDR Biased	1.4792	1.4792	0
23	100	LDR Biased	1.4792	1.4792	0
24	100	LDR Biased	1.4792	1.4392	-0.04
25	100	LDR Biased	1.4792	1.4792	0
26	3	LDR Unbiased	1.4792	1.4392	-0.04
27	3	LDR Unbiased	1.5192	1.5192	0
28	3	LDR Unbiased	1.4792	1.4792	0
29	3	LDR Unbiased	1.5192	1.4792	-0.04
30	3	LDR Unbiased	1.4792	1.4792	0
31	10	LDR Unbiased	1.4792	1.4792	0
32	10	LDR Unbiased	1.4792	1.4792	0
33	10	LDR Unbiased	1.4792	1.4792	0
34	10	LDR Unbiased	1.5192	1.4792	-0.04
35	10	LDR Unbiased	1.4792	1.4792	0
36	30	LDR Unbiased	1.5192	1.5192	0
37	30	LDR Unbiased	1.4792	1.4792	0
38	30	LDR Unbiased	1.4792	1.4792	0
39	30	LDR Unbiased	1.4792	1.4792	0
40	30	LDR Unbiased	1.4792	1.4792	0
41	50	LDR Unbiased	1.4792	1.4792	0
42	50	LDR Unbiased	1.4792	1.5192	0.04
43	50	LDR Unbiased	1.4792	1.5192	0.04
44	50	LDR Unbiased	1.4792	1.4792	0
45	50	LDR Unbiased	1.4792	1.5192	0.04
46	100	LDR Unbiased	1.4792	1.4792	0
47	100	LDR Unbiased	1.4792	1.4392	-0.04
48	100	LDR Unbiased	1.4792	1.4792	0
49	100	LDR Unbiased	1.4792	1.4792	0
50	100	LDR Unbiased	1.4792	1.4792	0
60	0	Correlation	1.4392	1.4392	0
61	0	Correlation	1.4792	1.4792	0
62	0	Correlation	1.4792	1.4792	0
63	0	Correlation	1.4792	1.4392	-0.04
64	0	Correlation	1.4792	1.4792	0
65	0	Correlation	1.4792	1.4392	-0.04

Test Statistics (ms)

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	1.4392	1.4725	1.4792	0.01633	1.4392	1.4592	1.4792	0.021909	-0.04	-0.013333	0	0.020656
3	1.4792	1.4912	1.5192	0.019322	1.4392	1.4792	1.5192	0.018856	-0.04	-0.012	0	0.019322
10	1.4392	1.4832	1.5192	0.022706	1.4392	1.4752	1.4792	0.012649	-0.04	-0.008	0	0.016865
30	1.4792	1.4832	1.5192	0.012649	1.4792	1.4872	1.5192	0.016865	0	0.004	0.04	0.012649
50	1.4392	1.4752	1.4792	0.012649	1.4792	1.4952	1.5192	0.020656	0	0.02	0.04	0.021082
100	1.4792	1.4792	1.4792	0	1.4392	1.4712	1.4792	0.016865	-0.04	-0.008	0	0.016865

Device Test: 22.23 _TIMING|STARTUP/SS_TR/14////@T_SS_22NF





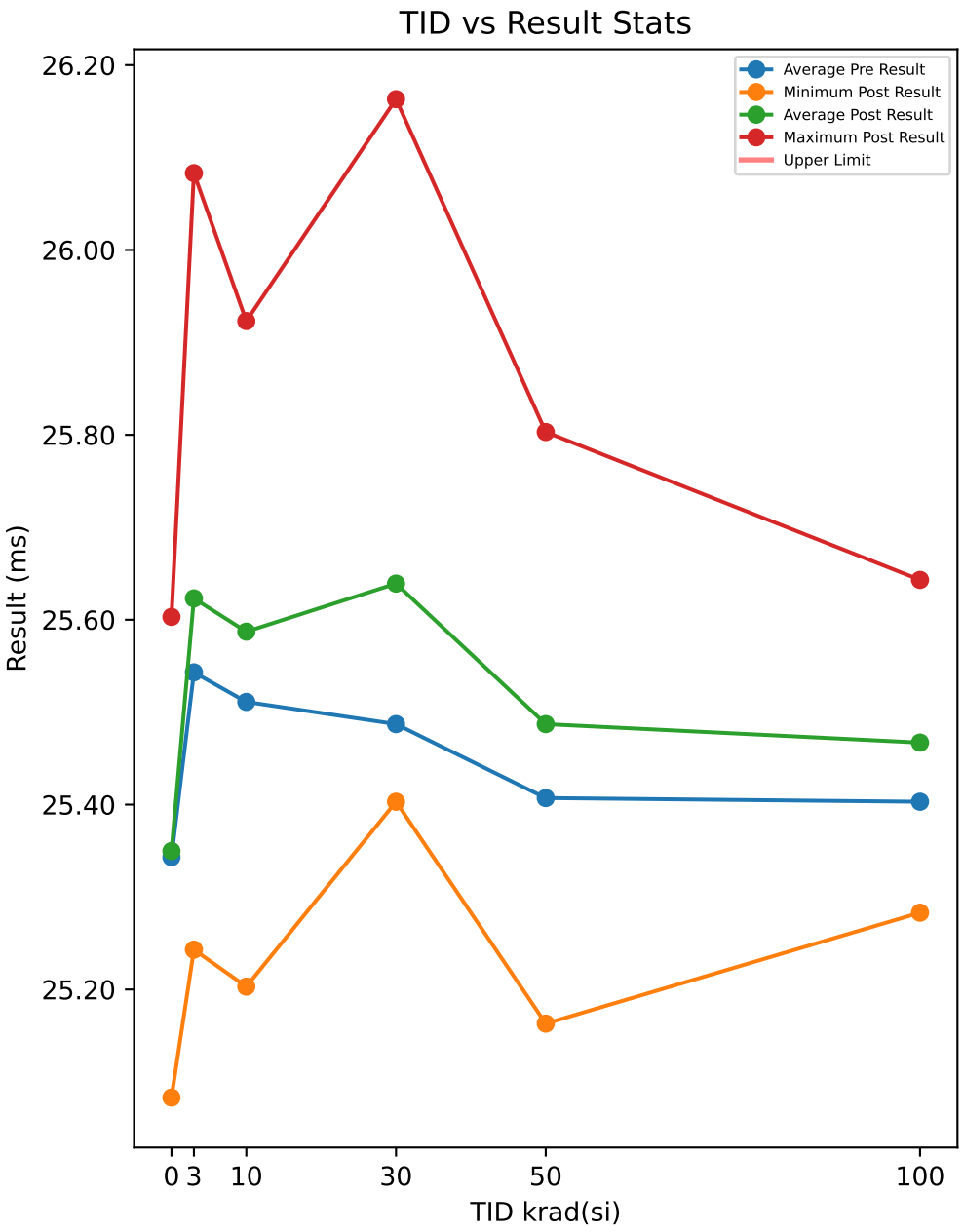
Test Results (Lower Limit = 4.7, Upper Limit = 7.3 (ms))

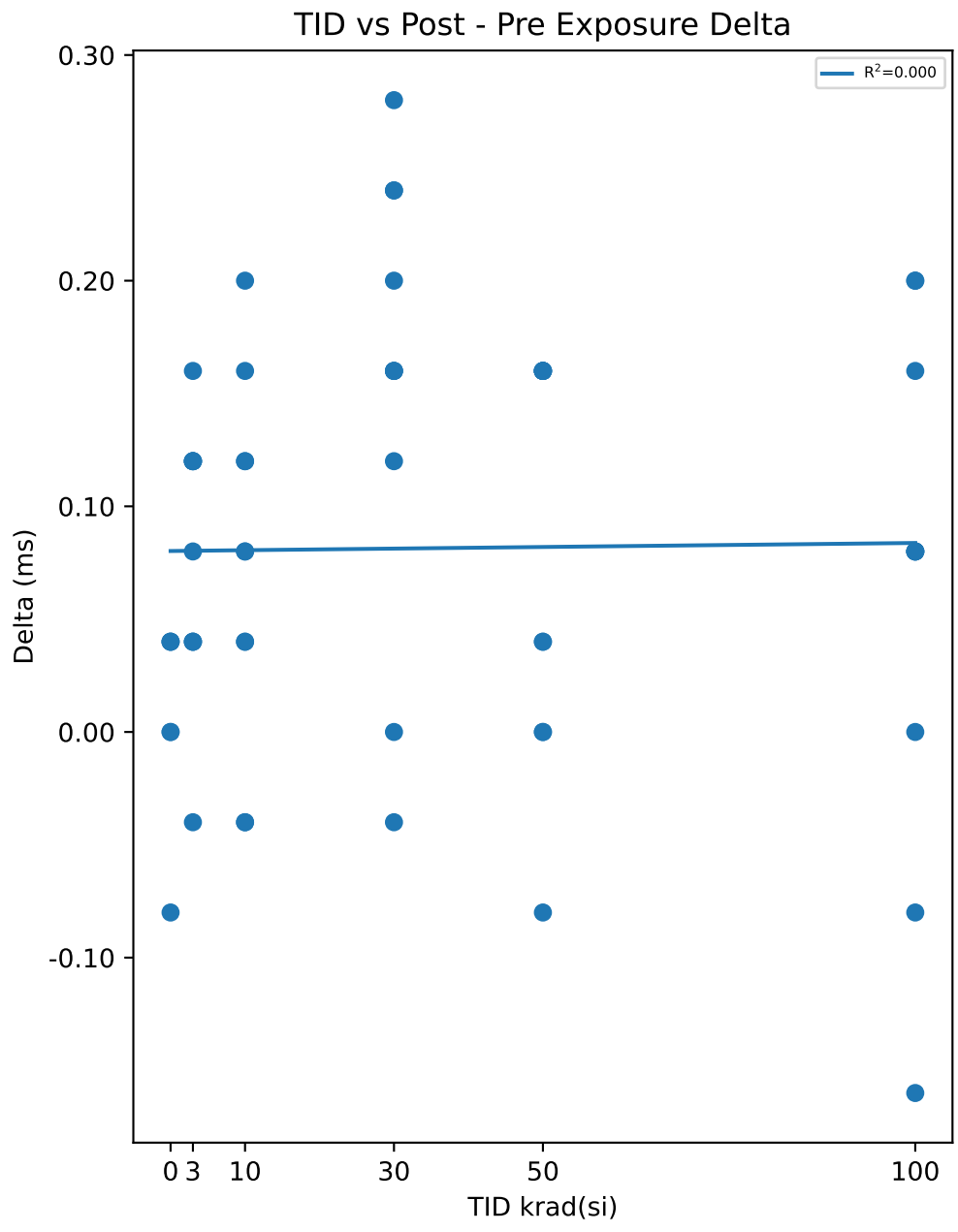
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	LDR Biased	5.6873	5.6873	0
2	3	LDR Biased	5.7673	5.7673	0
3	3	LDR Biased	5.8073	5.8473	0.04
4	3	LDR Biased	5.7673	5.7673	0
5	3	LDR Biased	5.6873	5.6873	0
6	10	LDR Biased	5.8073	5.8073	0
7	10	LDR Biased	5.6873	5.6873	0
8	10	LDR Biased	5.6473	5.6473	0
9	10	LDR Biased	5.7673	5.7673	0
10	10	LDR Biased	5.7673	5.8073	0.04
11	30	LDR Biased	5.7673	5.8073	0.04
12	30	LDR Biased	5.6873	5.7273	0.04
13	30	LDR Biased	5.6873	5.7273	0.04
14	30	LDR Biased	5.6873	5.7273	0.04
15	30	LDR Biased	5.7273	5.7673	0.04
16	50	LDR Biased	5.6473	5.6473	0
17	50	LDR Biased	5.7273	5.7273	0
18	50	LDR Biased	5.6873	5.6873	0
19	50	LDR Biased	5.7673	5.8073	0.04
20	50	LDR Biased	5.6073	5.6473	0.04
21	100	LDR Biased	5.7273	5.7273	0
22	100	LDR Biased	5.7273	5.6873	-0.04
23	100	LDR Biased	5.7273	5.7273	0
24	100	LDR Biased	5.6473	5.6873	0.04
25	100	LDR Biased	5.7273	5.7273	0
26	3	LDR Unbiased	5.6473	5.6873	0.04
27	3	LDR Unbiased	5.8873	5.8473	-0.04
28	3	LDR Unbiased	5.6873	5.6873	0
29	3	LDR Unbiased	5.8073	5.8073	0
30	3	LDR Unbiased	5.7273	5.7273	0
31	10	LDR Unbiased	5.7273	5.7673	0.04
32	10	LDR Unbiased	5.7273	5.7273	0
33	10	LDR Unbiased	5.7273	5.7273	0
34	10	LDR Unbiased	5.8073	5.8073	0
35	10	LDR Unbiased	5.7273	5.7273	0
36	30	LDR Unbiased	5.8473	5.8873	0.04
37	30	LDR Unbiased	5.7273	5.7673	0.04
38	30	LDR Unbiased	5.7273	5.7273	0
39	30	LDR Unbiased	5.7273	5.7273	0
40	30	LDR Unbiased	5.7273	5.7673	0.04
41	50	LDR Unbiased	5.7273	5.7273	0
42	50	LDR Unbiased	5.7673	5.8073	0.04
43	50	LDR Unbiased	5.7673	5.8073	0.04
44	50	LDR Unbiased	5.6873	5.6873	0
45	50	LDR Unbiased	5.7673	5.8073	0.04
46	100	LDR Unbiased	5.7273	5.7273	0
47	100	LDR Unbiased	5.7273	5.6873	-0.04
48	100	LDR Unbiased	5.6873	5.7273	0.04
49	100	LDR Unbiased	5.7273	5.7673	0.04
50	100	LDR Unbiased	5.6873	5.7273	0.04
60	0	Correlation	5.6473	5.6073	-0.04
61	0	Correlation	5.7273	5.6873	-0.04
62	0	Correlation	5.7273	5.7273	0
63	0	Correlation	5.6873	5.6873	0
64	0	Correlation	5.7673	5.7673	0
65	0	Correlation	5.6873	5.6873	0

Test Statistics (ms)

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	5.6473	5.7073	5.7673	0.041952	5.6073	5.694	5.7673	0.053166	-0.04	-0.013333	0	0.020656
3	5.6473	5.7473	5.8873	0.073636	5.6873	5.7513	5.8473	0.065862	-0.04	0.004	0.04	0.022706
10	5.6473	5.7393	5.8073	0.050067	5.6473	5.7473	5.8073	0.05416	0	0.008	0.04	0.016865
30	5.6873	5.7313	5.8473	0.047889	5.7273	5.7633	5.8873	0.051467	0	0.032	0.04	0.016865
50	5.6073	5.7153	5.7673	0.056725	5.6473	5.7353	5.8073	0.067462	0	0.02	0.04	0.021082
100	5.6473	5.7113	5.7273	0.027968	5.6873	5.7193	5.7673	0.025298	-0.04	0.008	0.04	0.031552

Device Test: 22.24 _TIMING|STARTUP/SS_TR/14////@T_SS_100NF





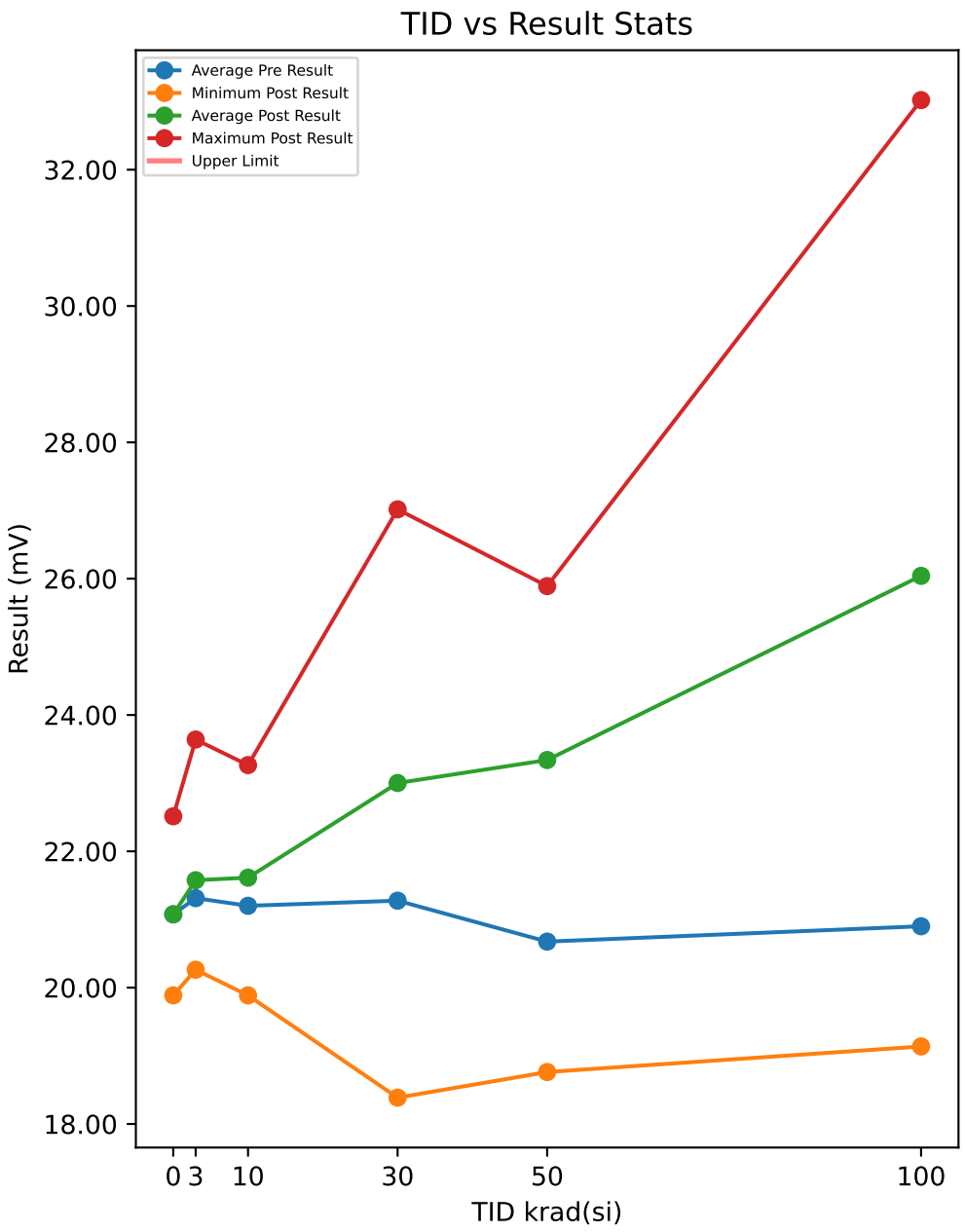
Test Results (No Limits Specified (ms))

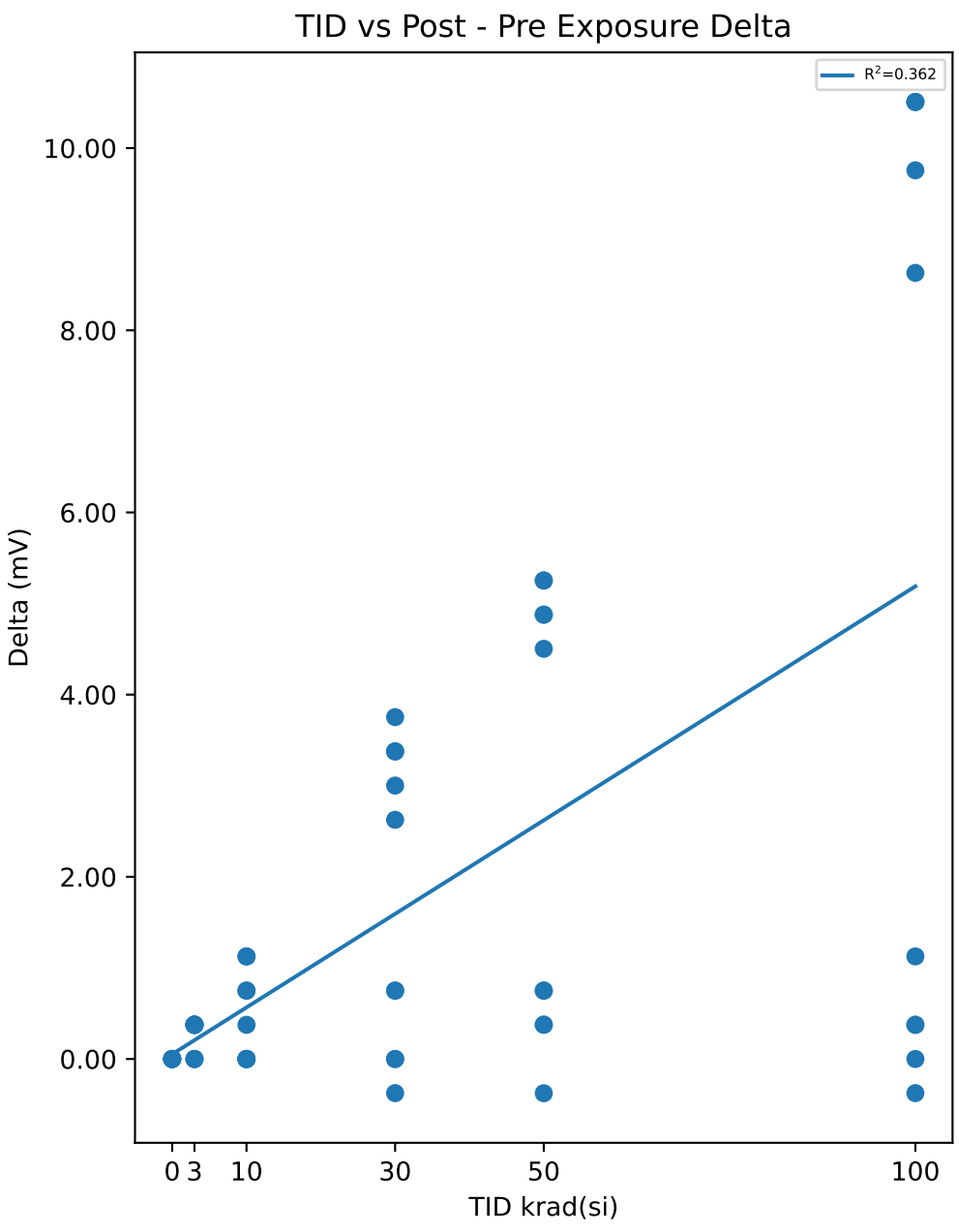
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	LDR Biased	25.403	25.443	0.04
2	3	LDR Biased	25.723	25.803	0.08
3	3	LDR Biased	25.763	25.923	0.16
4	3	LDR Biased	25.643	25.603	-0.04
5	3	LDR Biased	25.323	25.363	0.04
6	10	LDR Biased	25.883	25.923	0.04
7	10	LDR Biased	25.323	25.363	0.04
8	10	LDR Biased	25.003	25.203	0.2
9	10	LDR Biased	25.723	25.683	-0.04
10	10	LDR Biased	25.603	25.723	0.12
11	30	LDR Biased	25.603	25.843	0.24
12	30	LDR Biased	25.363	25.523	0.16
13	30	LDR Biased	25.403	25.563	0.16
14	30	LDR Biased	25.283	25.403	0.12
15	30	LDR Biased	25.403	25.603	0.2
16	50	LDR Biased	25.203	25.243	0.04
17	50	LDR Biased	25.523	25.443	-0.08
18	50	LDR Biased	25.283	25.283	0
19	50	LDR Biased	25.643	25.803	0.16
20	50	LDR Biased	25.003	25.163	0.16
21	100	LDR Biased	25.523	25.443	-0.08
22	100	LDR Biased	25.403	25.403	0
23	100	LDR Biased	25.483	25.563	0.08
24	100	LDR Biased	25.203	25.283	0.08
25	100	LDR Biased	25.443	25.523	0.08
26	3	LDR Unbiased	25.123	25.243	0.12
27	3	LDR Unbiased	25.963	26.083	0.12
28	3	LDR Unbiased	25.243	25.363	0.12
29	3	LDR Unbiased	25.843	25.883	0.04
30	3	LDR Unbiased	25.403	25.523	0.12
31	10	LDR Unbiased	25.443	25.563	0.12
32	10	LDR Unbiased	25.523	25.603	0.08
33	10	LDR Unbiased	25.523	25.483	-0.04
34	10	LDR Unbiased	25.723	25.883	0.16
35	10	LDR Unbiased	25.363	25.443	0.08
36	30	LDR Unbiased	25.923	26.163	0.24
37	30	LDR Unbiased	25.403	25.563	0.16
38	30	LDR Unbiased	25.563	25.563	0
39	30	LDR Unbiased	25.523	25.483	-0.04
40	30	LDR Unbiased	25.403	25.683	0.28
41	50	LDR Unbiased	25.323	25.363	0.04
42	50	LDR Unbiased	25.523	25.683	0.16
43	50	LDR Unbiased	25.723	25.723	0
44	50	LDR Unbiased	25.243	25.403	0.16
45	50	LDR Unbiased	25.603	25.763	0.16
46	100	LDR Unbiased	25.443	25.523	0.08
47	100	LDR Unbiased	25.483	25.323	-0.16
48	100	LDR Unbiased	25.323	25.483	0.16
49	100	LDR Unbiased	25.443	25.643	0.2
50	100	LDR Unbiased	25.283	25.483	0.2
60	0	Correlation	25.043	25.083	0.04
61	0	Correlation	25.443	25.483	0.04
62	0	Correlation	25.403	25.403	0
63	0	Correlation	25.283	25.203	-0.08
64	0	Correlation	25.563	25.603	0.04
65	0	Correlation	25.323	25.323	0

Test Statistics (ms)

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	25.043	25.343	25.563	0.17664	25.083	25.35	25.603	0.18875	-0.08	0.0066667	0.04	0.046762
3	25.123	25.543	25.963	0.28111	25.243	25.623	26.083	0.28363	-0.04	0.08	0.16	0.059628
10	25.003	25.511	25.883	0.24877	25.203	25.587	25.923	0.22564	-0.04	0.076	0.2	0.078768
30	25.283	25.487	25.923	0.1813	25.403	25.639	26.163	0.21864	-0.04	0.152	0.28	0.10293
50	25.003	25.407	25.723	0.22974	25.163	25.487	25.803	0.23585	-0.08	0.08	0.16	0.090431
100	25.203	25.403	25.523	0.10154	25.283	25.467	25.643	0.10865	-0.16	0.064	0.2	0.11654

Device Test: 22.3 _LEVEL|STATIC/SS_TR/4.5////@V_SS_START





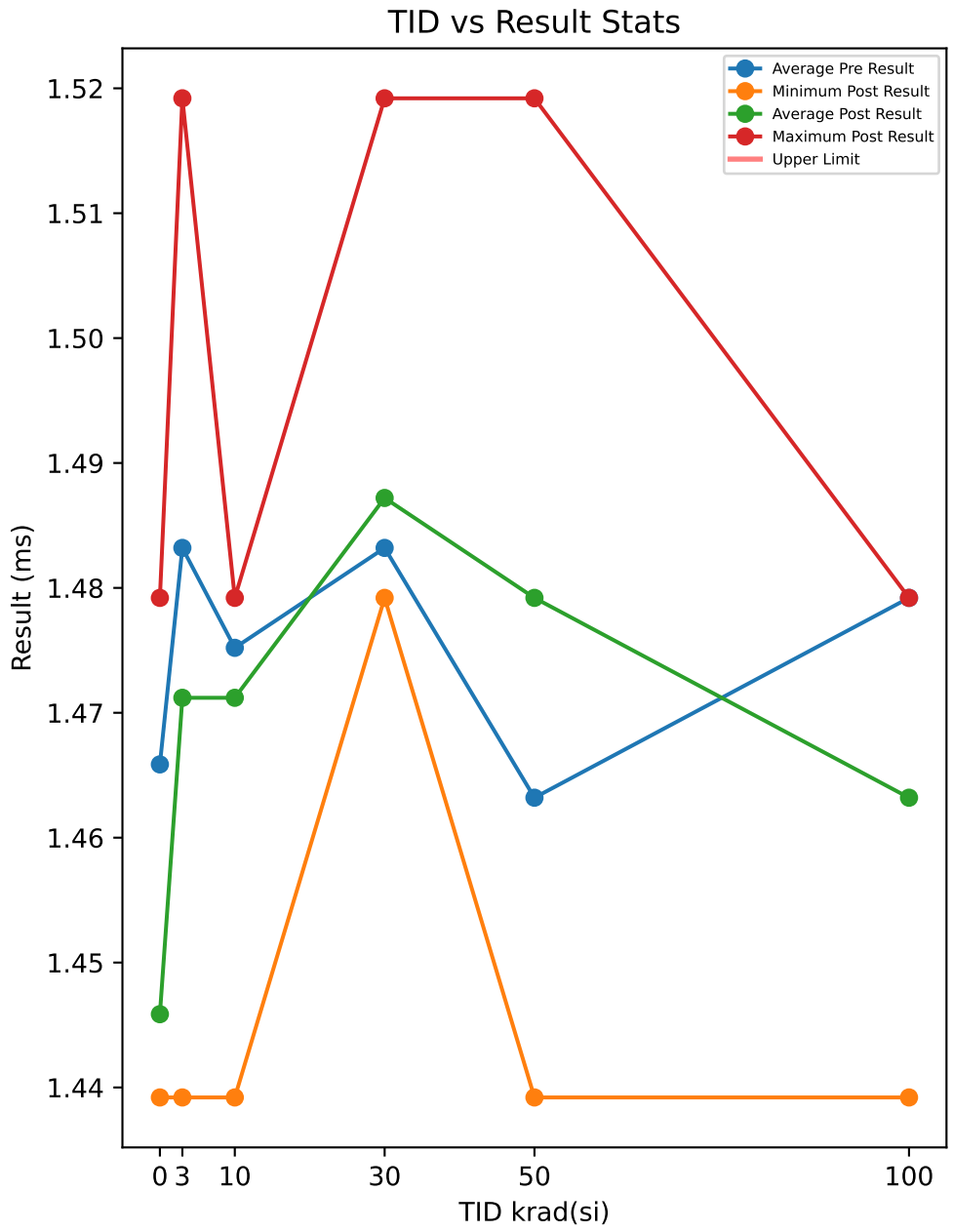
Test Results (No Limits Specified (mV))

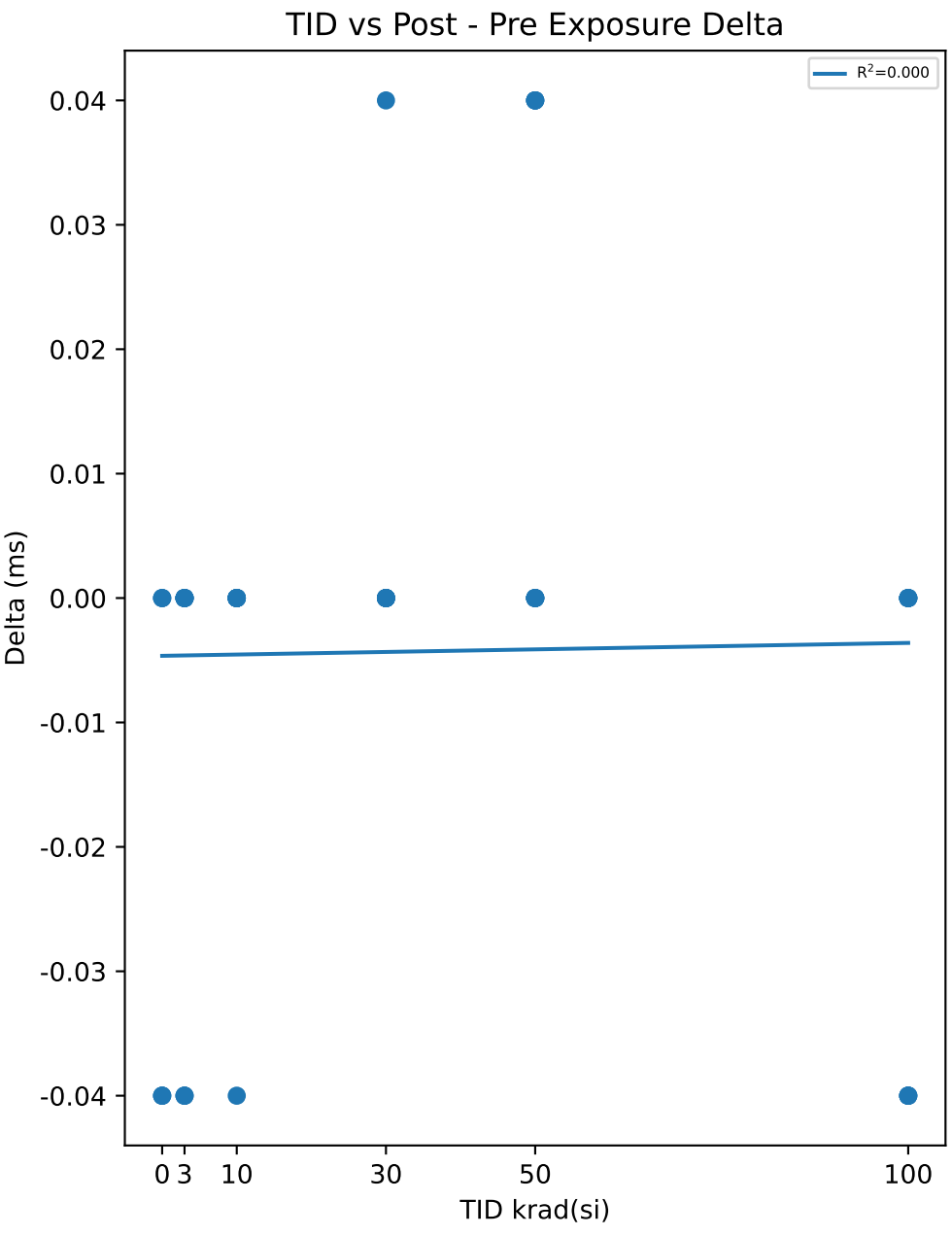
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	LDR Biased	22.139	22.514	0.375
2	3	LDR Biased	19.887	20.263	0.376
3	3	LDR Biased	23.64	23.64	0
4	3	LDR Biased	21.013	21.388	0.375
5	3	LDR Biased	22.139	22.514	0.375
6	10	LDR Biased	21.388	22.139	0.751
7	10	LDR Biased	19.887	21.013	1.126
8	10	LDR Biased	21.764	22.139	0.375
9	10	LDR Biased	20.638	21.388	0.75
10	10	LDR Biased	19.137	20.263	1.126
11	30	LDR Biased	23.64	27.017	3.377
12	30	LDR Biased	21.013	24.015	3.002
13	30	LDR Biased	21.764	24.39	2.626
14	30	LDR Biased	21.388	25.141	3.753
15	30	LDR Biased	20.263	23.64	3.377
16	50	LDR Biased	19.887	24.765	4.878
17	50	LDR Biased	20.263	25.516	5.253
18	50	LDR Biased	20.638	25.891	5.253
19	50	LDR Biased	20.638	25.141	4.503
20	50	LDR Biased	19.512	24.39	4.878
21	100	LDR Biased	22.139	30.769	8.63
22	100	LDR Biased	19.887	30.394	10.507
23	100	LDR Biased	20.263	30.019	9.756
24	100	LDR Biased	22.514	33.021	10.507
25	100	LDR Biased	19.512	30.019	10.507
26	3	LDR Unbiased	21.388	21.764	0.376
27	3	LDR Unbiased	19.887	20.263	0.376
28	3	LDR Unbiased	20.638	21.013	0.375
29	3	LDR Unbiased	21.388	21.388	0
30	3	LDR Unbiased	21.013	21.013	0
31	10	LDR Unbiased	23.265	23.265	0
32	10	LDR Unbiased	19.887	19.887	0
33	10	LDR Unbiased	22.514	22.514	0
34	10	LDR Unbiased	23.265	23.265	0
35	10	LDR Unbiased	20.263	20.263	0
36	30	LDR Unbiased	22.139	22.139	0
37	30	LDR Unbiased	21.764	22.514	0.75
38	30	LDR Unbiased	22.889	22.514	-0.375
39	30	LDR Unbiased	19.512	20.263	0.751
40	30	LDR Unbiased	18.386	18.386	0
41	50	LDR Unbiased	21.764	21.388	-0.376
42	50	LDR Unbiased	21.388	21.764	0.376
43	50	LDR Unbiased	21.013	21.764	0.751
44	50	LDR Unbiased	23.265	24.015	0.75
45	50	LDR Unbiased	18.386	18.762	0.376
46	100	LDR Unbiased	22.889	24.015	1.126
47	100	LDR Unbiased	19.137	19.137	0
48	100	LDR Unbiased	22.139	21.764	-0.375
49	100	LDR Unbiased	21.013	21.388	0.375
50	100	LDR Unbiased	19.512	19.887	0.375
60	0	Correlation	21.013	21.013	0
61	0	Correlation	21.764	21.764	0
62	0	Correlation	22.514	22.514	0
63	0	Correlation	19.887	19.887	0
64	0	Correlation	19.887	19.887	0
65	0	Correlation	21.388	21.388	0

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	19.887	21.076	22.514	1.0459	19.887	21.076	22.514	1.0459	0	0	0	0
3	19.887	21.313	23.64	1.1301	20.263	21.576	23.64	1.065	0	0.2628	0.376	0.18135
10	19.137	21.201	23.265	1.4722	19.887	21.614	23.265	1.2409	0	0.4128	1.126	0.48291
30	18.386	21.276	23.64	1.5629	18.386	23.002	27.017	2.4514	-0.375	1.7261	3.753	1.6423
50	18.386	20.675	23.265	1.3292	18.762	23.34	25.891	2.3048	-0.376	2.6642	5.253	2.441
100	19.137	20.901	22.889	1.4157	19.137	26.041	33.021	5.2837	-0.375	5.1408	10.507	5.1452

Device Test: 22.4 _TIMING|STARTUP/SS_TR/4.5////@T_SS_5P6NF





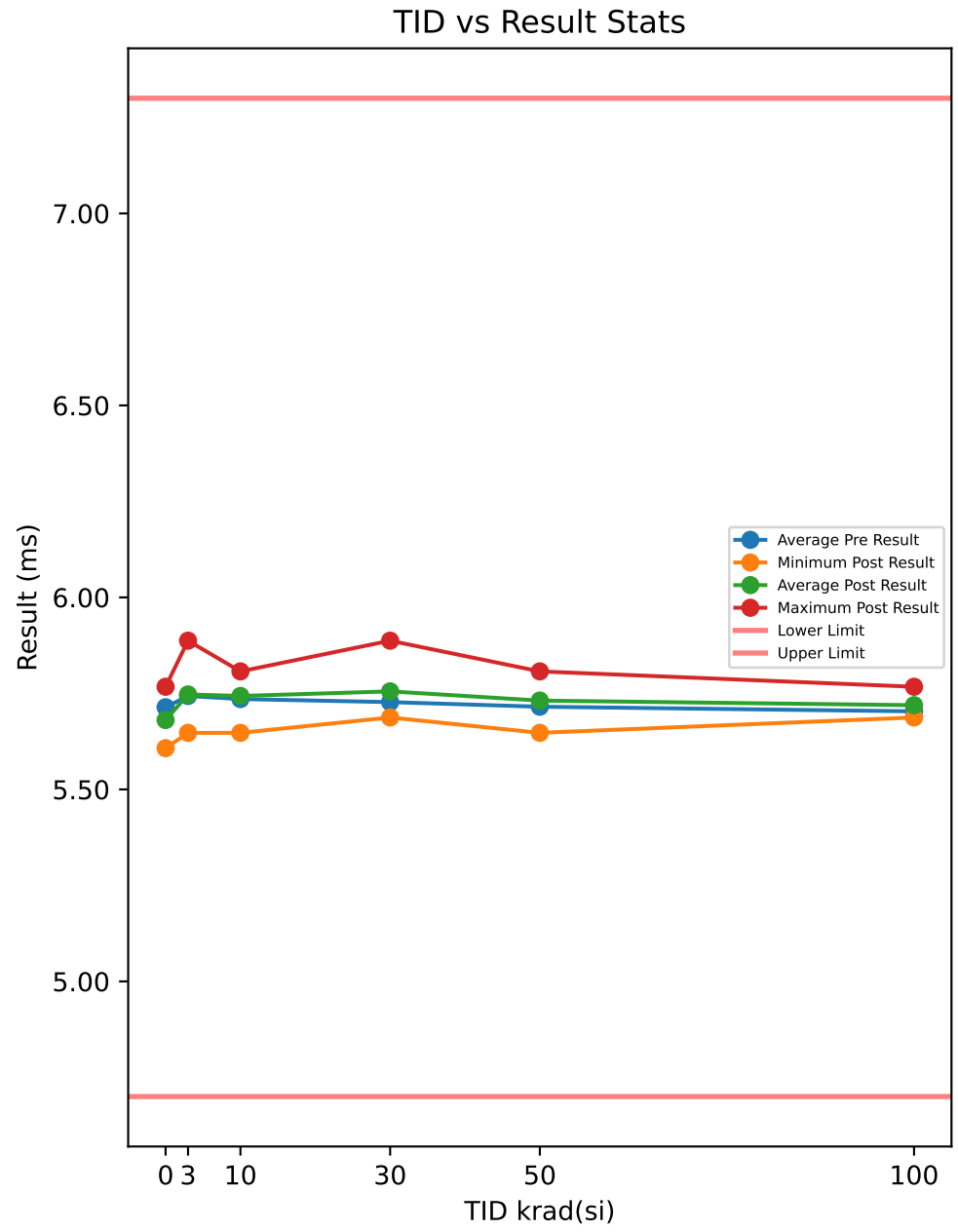
Test Results (No Limits Specified (ms))

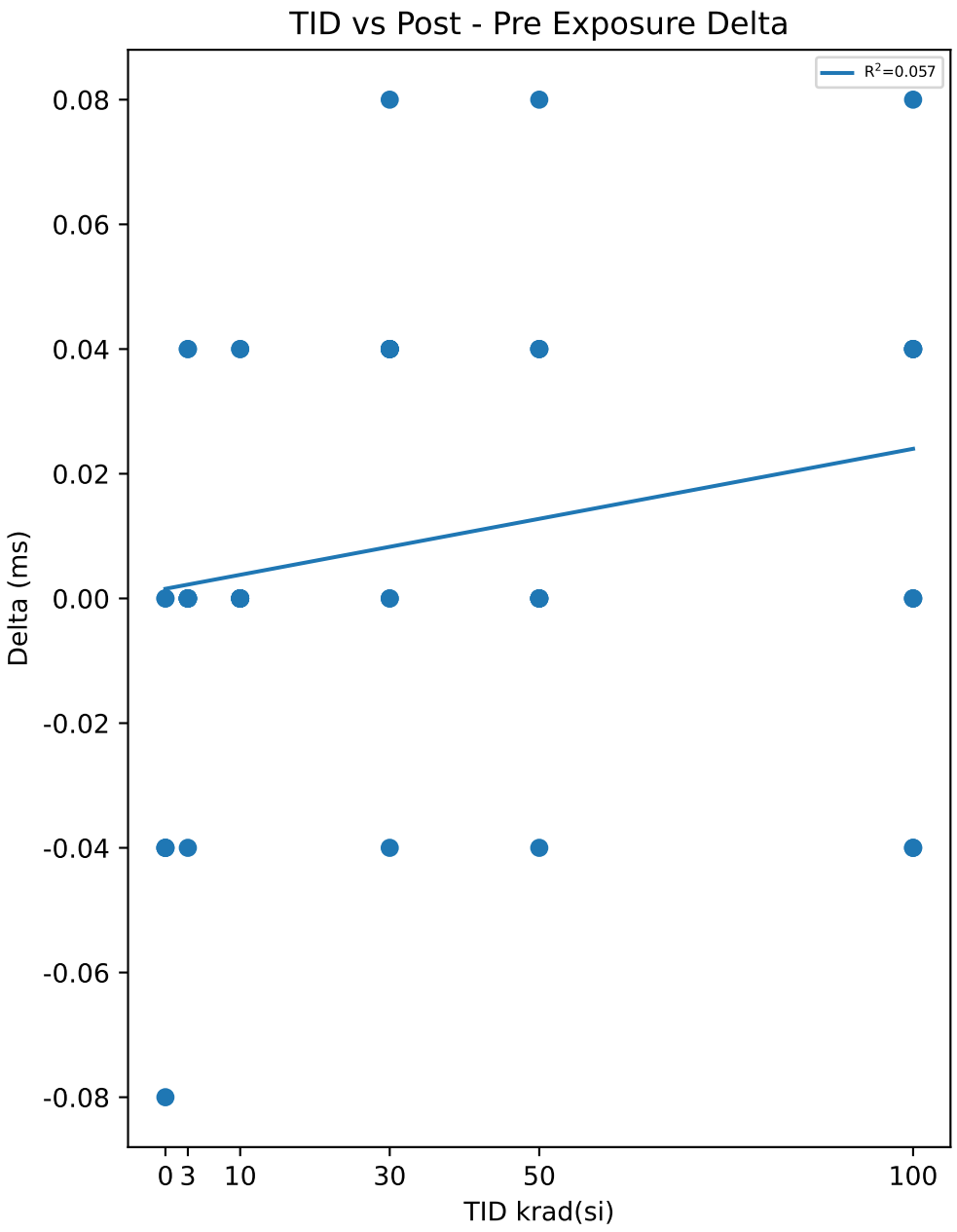
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	LDR Biased	1.4792	1.4392	-0.04
2	3	LDR Biased	1.4792	1.4792	0
3	3	LDR Biased	1.4792	1.4792	0
4	3	LDR Biased	1.4792	1.4792	0
5	3	LDR Biased	1.4792	1.4792	0
6	10	LDR Biased	1.4792	1.4792	0
7	10	LDR Biased	1.4792	1.4392	-0.04
8	10	LDR Biased	1.4392	1.4392	0
9	10	LDR Biased	1.4792	1.4792	0
10	10	LDR Biased	1.4792	1.4792	0
11	30	LDR Biased	1.4792	1.5192	0.04
12	30	LDR Biased	1.4792	1.4792	0
13	30	LDR Biased	1.4792	1.4792	0
14	30	LDR Biased	1.4792	1.4792	0
15	30	LDR Biased	1.4792	1.4792	0
16	50	LDR Biased	1.4392	1.4792	0.04
17	50	LDR Biased	1.4792	1.4792	0
18	50	LDR Biased	1.4392	1.4792	0.04
19	50	LDR Biased	1.4792	1.4792	0
20	50	LDR Biased	1.4392	1.4392	0
21	100	LDR Biased	1.4792	1.4392	-0.04
22	100	LDR Biased	1.4792	1.4392	-0.04
23	100	LDR Biased	1.4792	1.4792	0
24	100	LDR Biased	1.4792	1.4392	-0.04
25	100	LDR Biased	1.4792	1.4792	0
26	3	LDR Unbiased	1.4392	1.4392	0
27	3	LDR Unbiased	1.5192	1.5192	0
28	3	LDR Unbiased	1.4792	1.4392	-0.04
29	3	LDR Unbiased	1.5192	1.4792	-0.04
30	3	LDR Unbiased	1.4792	1.4792	0
31	10	LDR Unbiased	1.4792	1.4792	0
32	10	LDR Unbiased	1.4792	1.4792	0
33	10	LDR Unbiased	1.4792	1.4792	0
34	10	LDR Unbiased	1.4792	1.4792	0
35	10	LDR Unbiased	1.4792	1.4792	0
36	30	LDR Unbiased	1.5192	1.5192	0
37	30	LDR Unbiased	1.4792	1.4792	0
38	30	LDR Unbiased	1.4792	1.4792	0
39	30	LDR Unbiased	1.4792	1.4792	0
40	30	LDR Unbiased	1.4792	1.4792	0
41	50	LDR Unbiased	1.4792	1.4792	0
42	50	LDR Unbiased	1.4792	1.4792	0
43	50	LDR Unbiased	1.4792	1.4792	0
44	50	LDR Unbiased	1.4392	1.4792	0.04
45	50	LDR Unbiased	1.4792	1.5192	0.04
46	100	LDR Unbiased	1.4792	1.4792	0
47	100	LDR Unbiased	1.4792	1.4392	-0.04
48	100	LDR Unbiased	1.4792	1.4792	0
49	100	LDR Unbiased	1.4792	1.4792	0
50	100	LDR Unbiased	1.4792	1.4792	0
60	0	Correlation	1.4392	1.4392	0
61	0	Correlation	1.4792	1.4392	-0.04
62	0	Correlation	1.4792	1.4392	-0.04
63	0	Correlation	1.4392	1.4392	0
64	0	Correlation	1.4792	1.4792	0
65	0	Correlation	1.4792	1.4392	-0.04

Test Statistics (ms)

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	1.4392	1.4659	1.4792	0.020656	1.4392	1.4459	1.4792	0.01633	-0.04	-0.02	0	0.021909
3	1.4392	1.4832	1.5192	0.022706	1.4392	1.4712	1.5192	0.025298	-0.04	-0.012	0	0.019322
10	1.4392	1.4752	1.4792	0.012649	1.4392	1.4712	1.4792	0.016865	-0.04	-0.004	0	0.012649
30	1.4792	1.4832	1.5192	0.012649	1.4792	1.4872	1.5192	0.016865	0	0.004	0.04	0.012649
50	1.4392	1.4632	1.4792	0.020656	1.4392	1.4792	1.5192	0.018856	0	0.016	0.04	0.020656
100	1.4792	1.4792	1.4792	0	1.4392	1.4632	1.4792	0.020656	-0.04	-0.016	0	0.020656

Device Test: 22.5 _TIMING|STARTUP/SS_TR/4.5////@T_SS_22NF





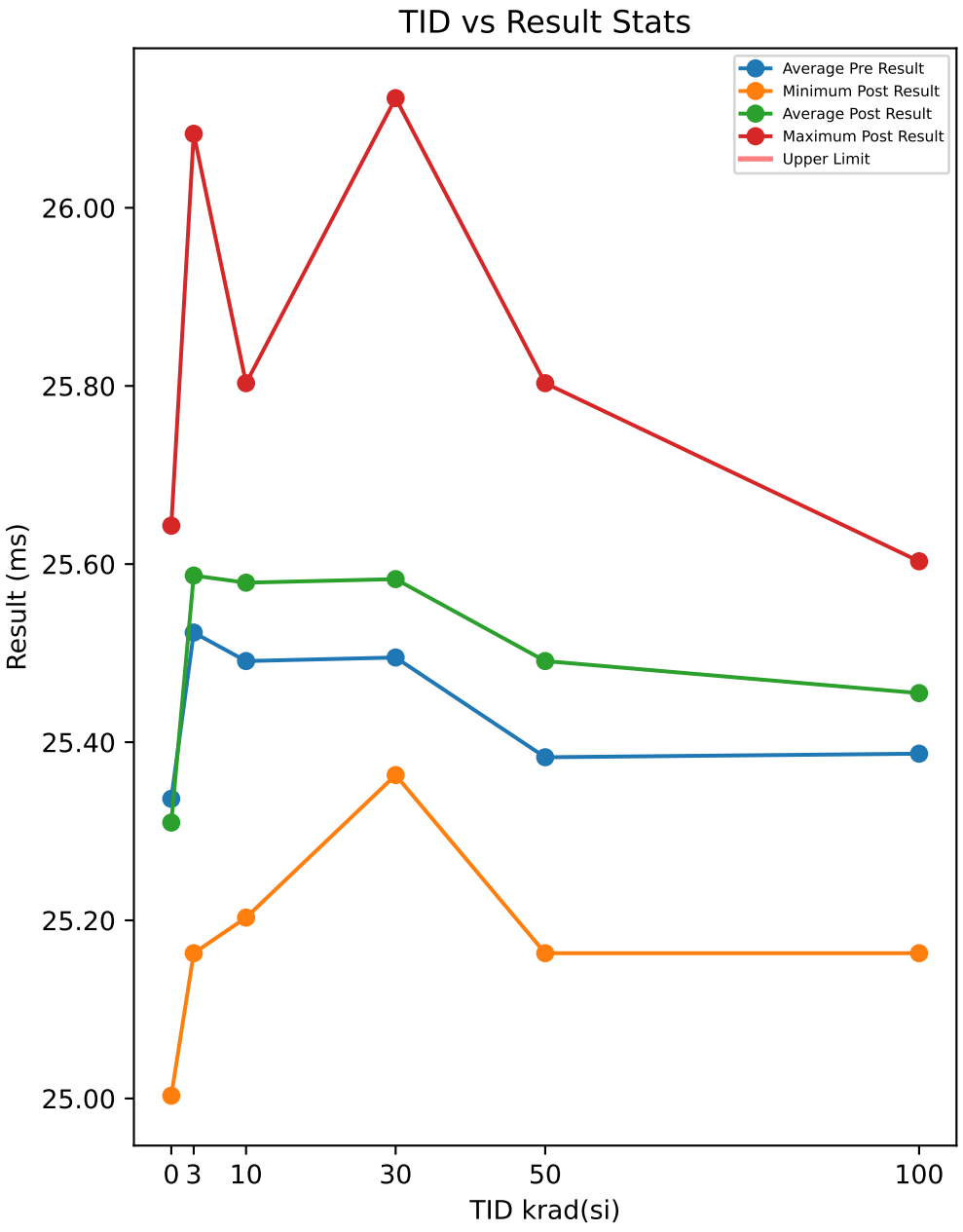
Test Results (Lower Limit = 4.7, Upper Limit = 7.3 (ms))

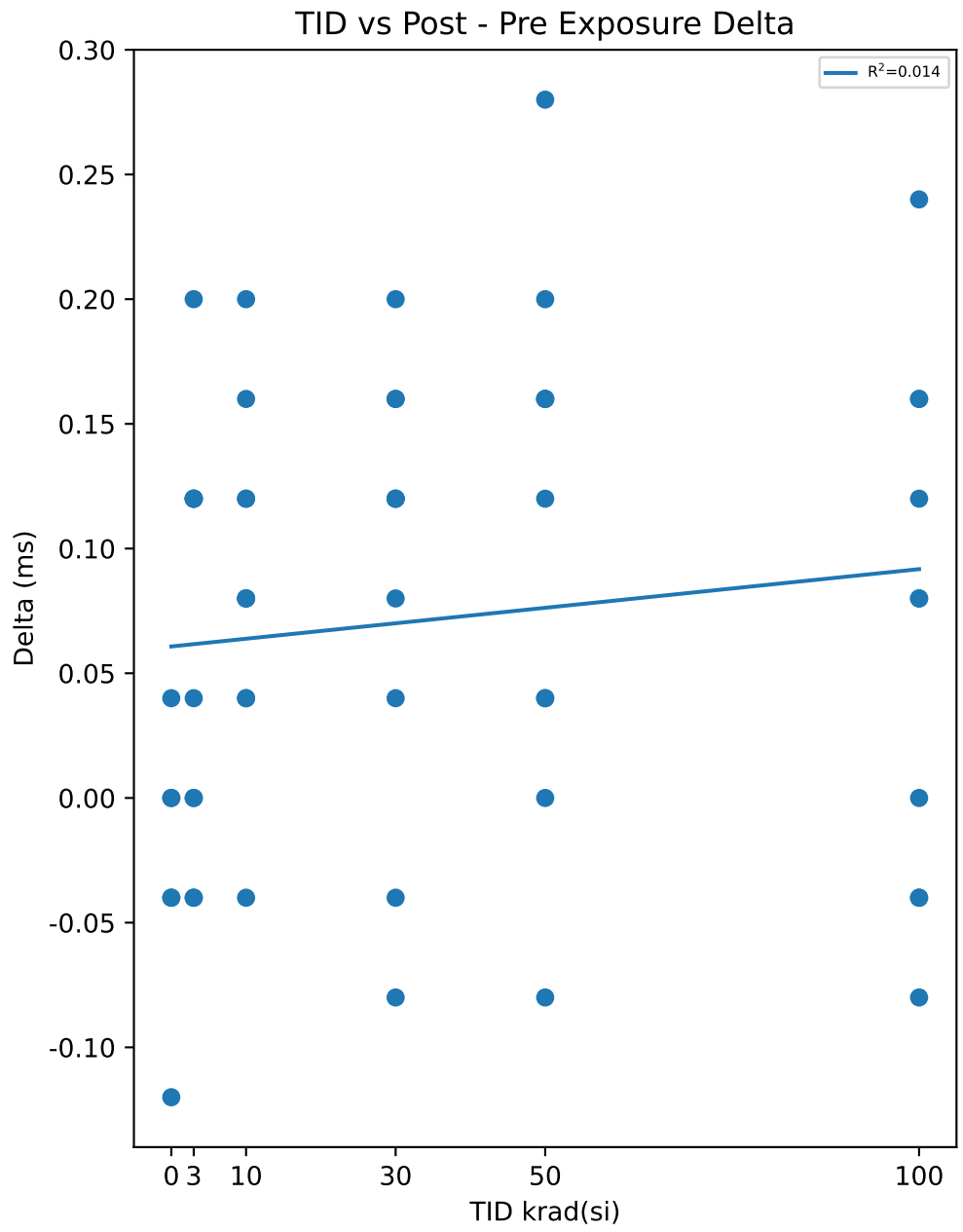
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	LDR Biased	5.6873	5.6873	0
2	3	LDR Biased	5.7673	5.7673	0
3	3	LDR Biased	5.8073	5.8073	0
4	3	LDR Biased	5.7673	5.7673	0
5	3	LDR Biased	5.6873	5.6873	0
6	10	LDR Biased	5.8073	5.8073	0
7	10	LDR Biased	5.6873	5.6873	0
8	10	LDR Biased	5.6473	5.6473	0
9	10	LDR Biased	5.7673	5.7673	0
10	10	LDR Biased	5.7673	5.7673	0
11	30	LDR Biased	5.7673	5.8073	0.04
12	30	LDR Biased	5.6873	5.7273	0.04
13	30	LDR Biased	5.7273	5.7273	0
14	30	LDR Biased	5.6473	5.6873	0.04
15	30	LDR Biased	5.7273	5.7673	0.04
16	50	LDR Biased	5.6473	5.6473	0
17	50	LDR Biased	5.7273	5.7273	0
18	50	LDR Biased	5.7273	5.7273	0
19	50	LDR Biased	5.7273	5.8073	0.08
20	50	LDR Biased	5.6873	5.6473	-0.04
21	100	LDR Biased	5.7273	5.6873	-0.04
22	100	LDR Biased	5.6873	5.7273	0.04
23	100	LDR Biased	5.7273	5.7273	0
24	100	LDR Biased	5.6473	5.6873	0.04
25	100	LDR Biased	5.6873	5.7673	0.08
26	3	LDR Unbiased	5.6873	5.6473	-0.04
27	3	LDR Unbiased	5.8473	5.8873	0.04
28	3	LDR Unbiased	5.6873	5.6873	0
29	3	LDR Unbiased	5.7673	5.8073	0.04
30	3	LDR Unbiased	5.7273	5.7273	0
31	10	LDR Unbiased	5.7273	5.7673	0.04
32	10	LDR Unbiased	5.7273	5.7273	0
33	10	LDR Unbiased	5.7273	5.7273	0
34	10	LDR Unbiased	5.8073	5.8073	0
35	10	LDR Unbiased	5.6873	5.7273	0.04
36	30	LDR Unbiased	5.8473	5.8873	0.04
37	30	LDR Unbiased	5.6873	5.7273	0.04
38	30	LDR Unbiased	5.7673	5.7273	-0.04
39	30	LDR Unbiased	5.7273	5.7273	0
40	30	LDR Unbiased	5.6873	5.7673	0.08
41	50	LDR Unbiased	5.6873	5.7273	0.04
42	50	LDR Unbiased	5.7273	5.7673	0.04
43	50	LDR Unbiased	5.7673	5.7673	0
44	50	LDR Unbiased	5.6873	5.6873	0
45	50	LDR Unbiased	5.7673	5.8073	0.04
46	100	LDR Unbiased	5.7273	5.7273	0
47	100	LDR Unbiased	5.7273	5.6873	-0.04
48	100	LDR Unbiased	5.6873	5.7273	0.04
49	100	LDR Unbiased	5.7273	5.7273	0
50	100	LDR Unbiased	5.6873	5.7273	0.04
60	0	Correlation	5.6473	5.6073	-0.04
61	0	Correlation	5.7673	5.6873	-0.08
62	0	Correlation	5.7273	5.6873	-0.04
63	0	Correlation	5.6873	5.6473	-0.04
64	0	Correlation	5.7673	5.7673	0
65	0	Correlation	5.6873	5.6873	0

Test Statistics (ms)

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	5.6473	5.714	5.7673	0.048442	5.6073	5.6806	5.7673	0.053166	-0.08	-0.033333	0	0.030111
3	5.6873	5.7433	5.8473	0.057194	5.6473	5.7473	5.8873	0.073636	-0.04	0.004	0.04	0.022706
10	5.6473	5.7353	5.8073	0.052662	5.6473	5.7433	5.8073	0.050596	0	0.008	0.04	0.016865
30	5.6473	5.7273	5.8473	0.056569	5.6873	5.7553	5.8873	0.056725	-0.04	0.028	0.08	0.032931
50	5.6473	5.7153	5.7673	0.037947	5.6473	5.7313	5.8073	0.057966	-0.04	0.016	0.08	0.033731
100	5.6473	5.7033	5.7273	0.027968	5.6873	5.7193	5.7673	0.025298	-0.04	0.016	0.08	0.038644

Device Test: 22.6 _TIMING|STARTUP/SS_TR/4.5////@T_SS_100NF





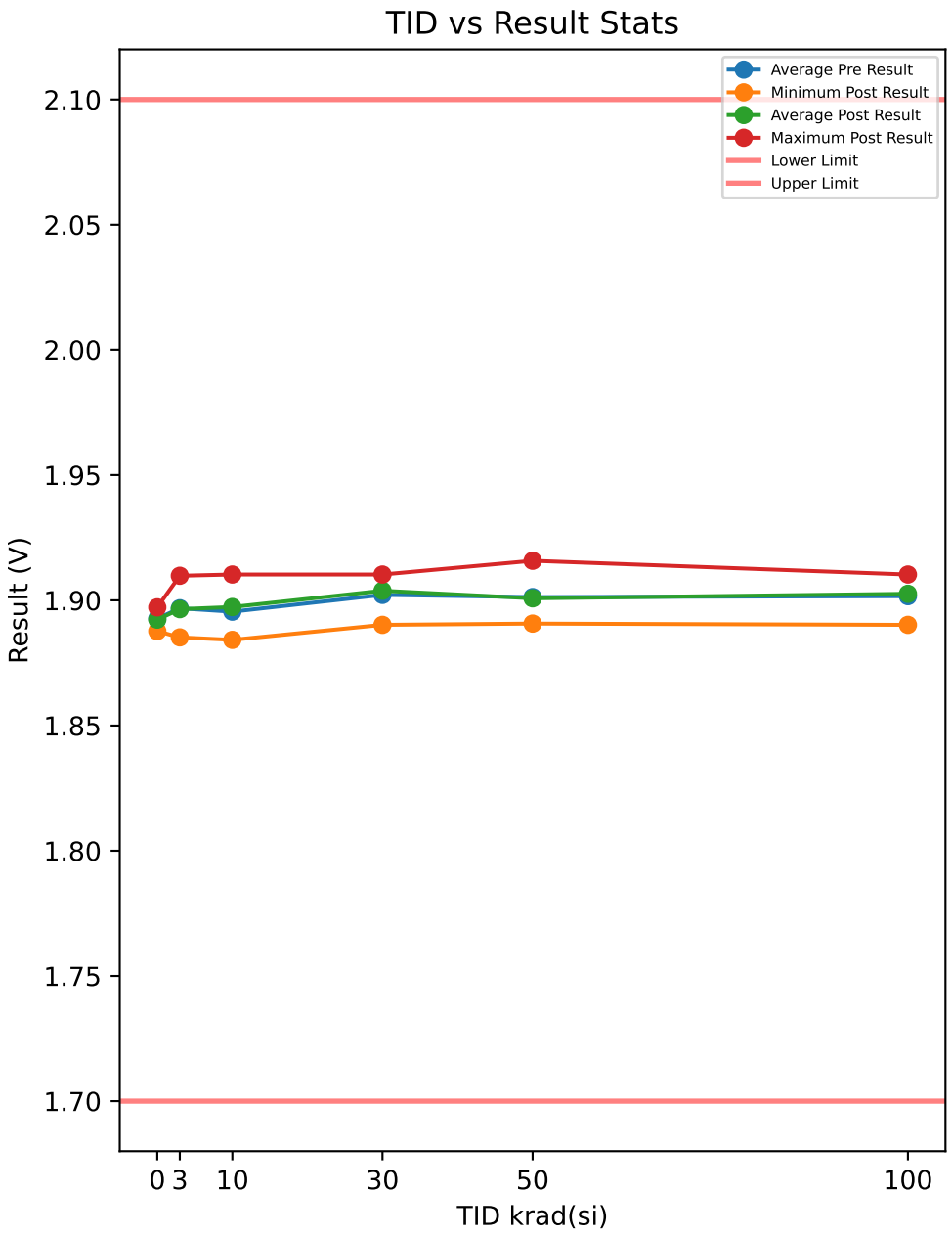
Test Results (No Limits Specified (ms))

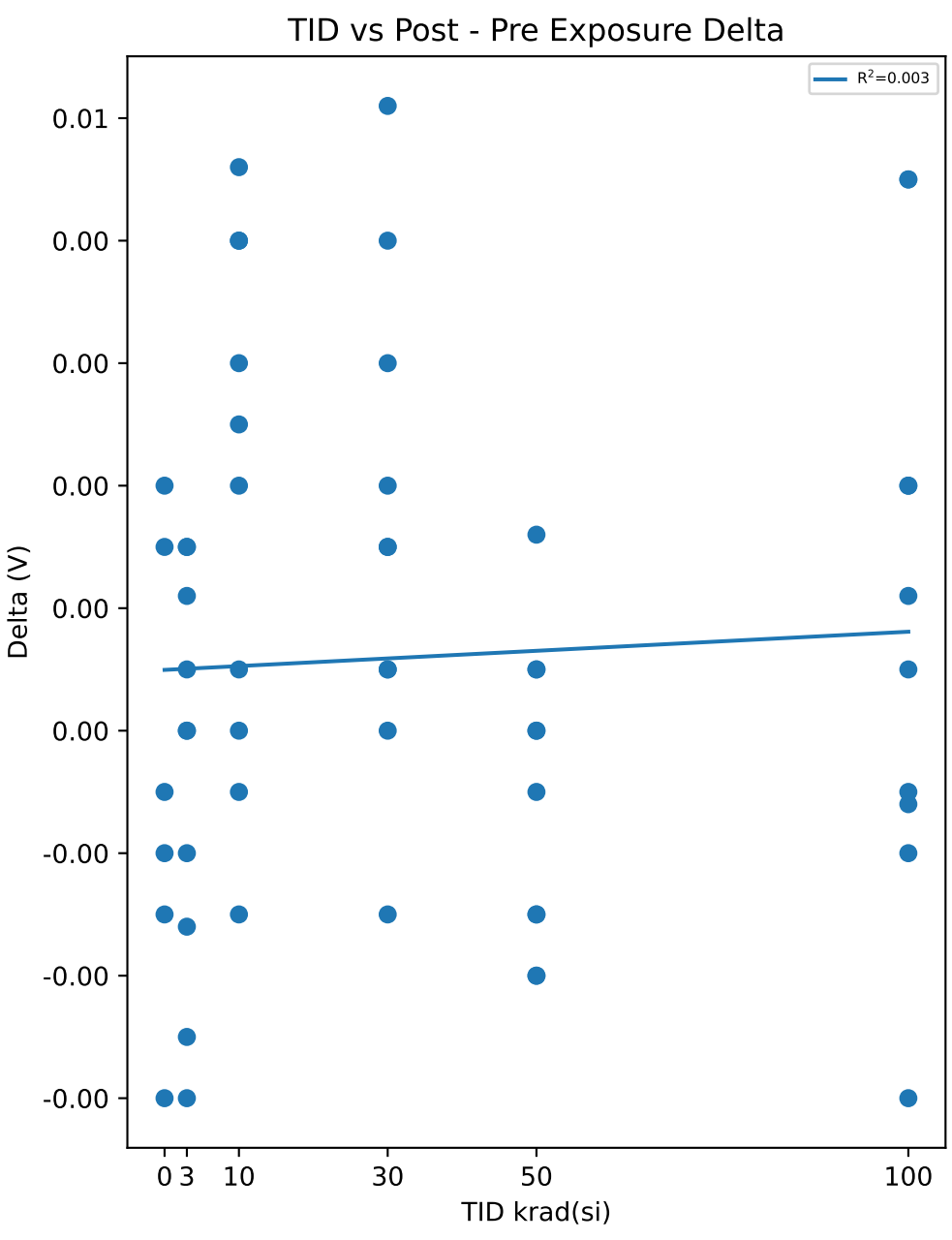
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	LDR Biased	25.283	25.403	0.12
2	3	LDR Biased	25.643	25.763	0.12
3	3	LDR Biased	25.723	25.923	0.2
4	3	LDR Biased	25.603	25.603	0
5	3	LDR Biased	25.323	25.323	0
6	10	LDR Biased	25.843	25.803	-0.04
7	10	LDR Biased	25.243	25.323	0.08
8	10	LDR Biased	25.043	25.203	0.16
9	10	LDR Biased	25.643	25.763	0.12
10	10	LDR Biased	25.563	25.603	0.04
11	30	LDR Biased	25.603	25.763	0.16
12	30	LDR Biased	25.363	25.523	0.16
13	30	LDR Biased	25.403	25.443	0.04
14	30	LDR Biased	25.243	25.363	0.12
15	30	LDR Biased	25.443	25.563	0.12
16	50	LDR Biased	25.203	25.203	0
17	50	LDR Biased	25.523	25.443	-0.08
18	50	LDR Biased	25.283	25.323	0.04
19	50	LDR Biased	25.523	25.803	0.28
20	50	LDR Biased	25.043	25.163	0.12
21	100	LDR Biased	25.483	25.443	-0.04
22	100	LDR Biased	25.403	25.403	0
23	100	LDR Biased	25.443	25.523	0.08
24	100	LDR Biased	25.203	25.163	-0.04
25	100	LDR Biased	25.403	25.563	0.16
26	3	LDR Unbiased	25.203	25.163	-0.04
27	3	LDR Unbiased	25.963	26.083	0.12
28	3	LDR Unbiased	25.283	25.243	-0.04
29	3	LDR Unbiased	25.803	25.843	0.04
30	3	LDR Unbiased	25.403	25.523	0.12
31	10	LDR Unbiased	25.443	25.643	0.2
32	10	LDR Unbiased	25.523	25.603	0.08
33	10	LDR Unbiased	25.443	25.563	0.12
34	10	LDR Unbiased	25.763	25.803	0.04
35	10	LDR Unbiased	25.403	25.483	0.08
36	30	LDR Unbiased	26.003	26.123	0.12
37	30	LDR Unbiased	25.403	25.483	0.08
38	30	LDR Unbiased	25.563	25.523	-0.04
39	30	LDR Unbiased	25.483	25.403	-0.08
40	30	LDR Unbiased	25.443	25.643	0.2
41	50	LDR Unbiased	25.283	25.443	0.16
42	50	LDR Unbiased	25.563	25.723	0.16
43	50	LDR Unbiased	25.643	25.683	0.04
44	50	LDR Unbiased	25.203	25.363	0.16
45	50	LDR Unbiased	25.563	25.763	0.2
46	100	LDR Unbiased	25.403	25.483	0.08
47	100	LDR Unbiased	25.483	25.403	-0.08
48	100	LDR Unbiased	25.323	25.443	0.12
49	100	LDR Unbiased	25.443	25.603	0.16
50	100	LDR Unbiased	25.283	25.523	0.24
60	0	Correlation	25.043	25.003	-0.04
61	0	Correlation	25.443	25.323	-0.12
62	0	Correlation	25.363	25.363	0
63	0	Correlation	25.243	25.243	0
64	0	Correlation	25.603	25.643	0.04
65	0	Correlation	25.323	25.283	-0.04

Test Statistics (ms)

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	25.043	25.336	25.603	0.18875	25.003	25.31	25.643	0.20656	-0.12	-0.026667	0.04	0.05465
3	25.203	25.523	25.963	0.25923	25.163	25.587	26.083	0.30938	-0.04	0.064	0.2	0.082624
10	25.043	25.491	25.843	0.23612	25.203	25.579	25.803	0.19884	-0.04	0.088	0.2	0.067462
30	25.243	25.495	26.003	0.20487	25.363	25.583	26.123	0.22251	-0.08	0.088	0.2	0.090037
50	25.043	25.383	25.643	0.20331	25.163	25.491	25.803	0.23612	-0.08	0.108	0.28	0.10675
100	25.203	25.387	25.483	0.090823	25.163	25.455	25.603	0.12227	-0.08	0.068	0.24	0.10507

Device Test: 22.7 _LEVEL|RISE/COMP/5////@V_COMP_SD





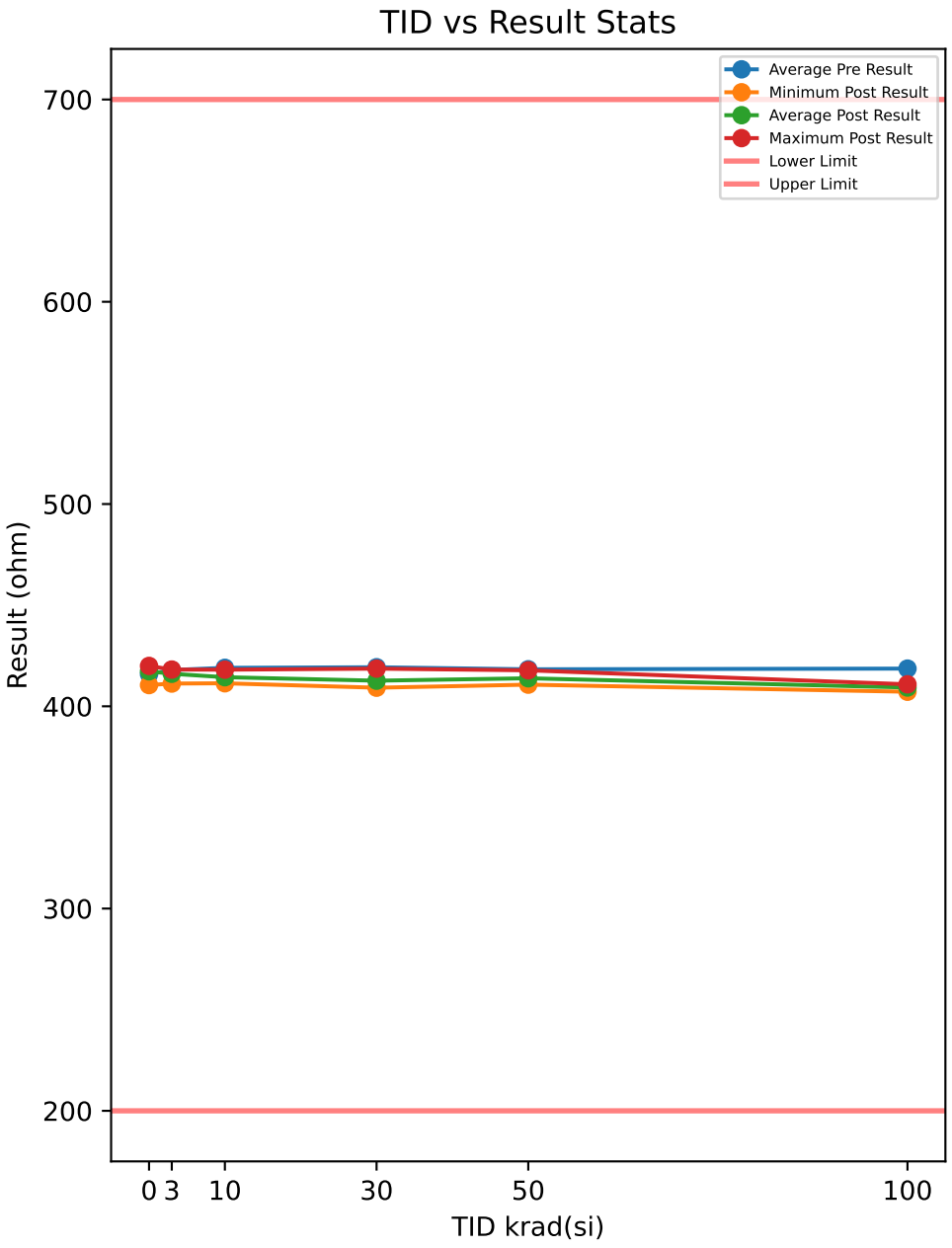
Test Results (Lower Limit = 1.7, Upper Limit = 2.1 (V))

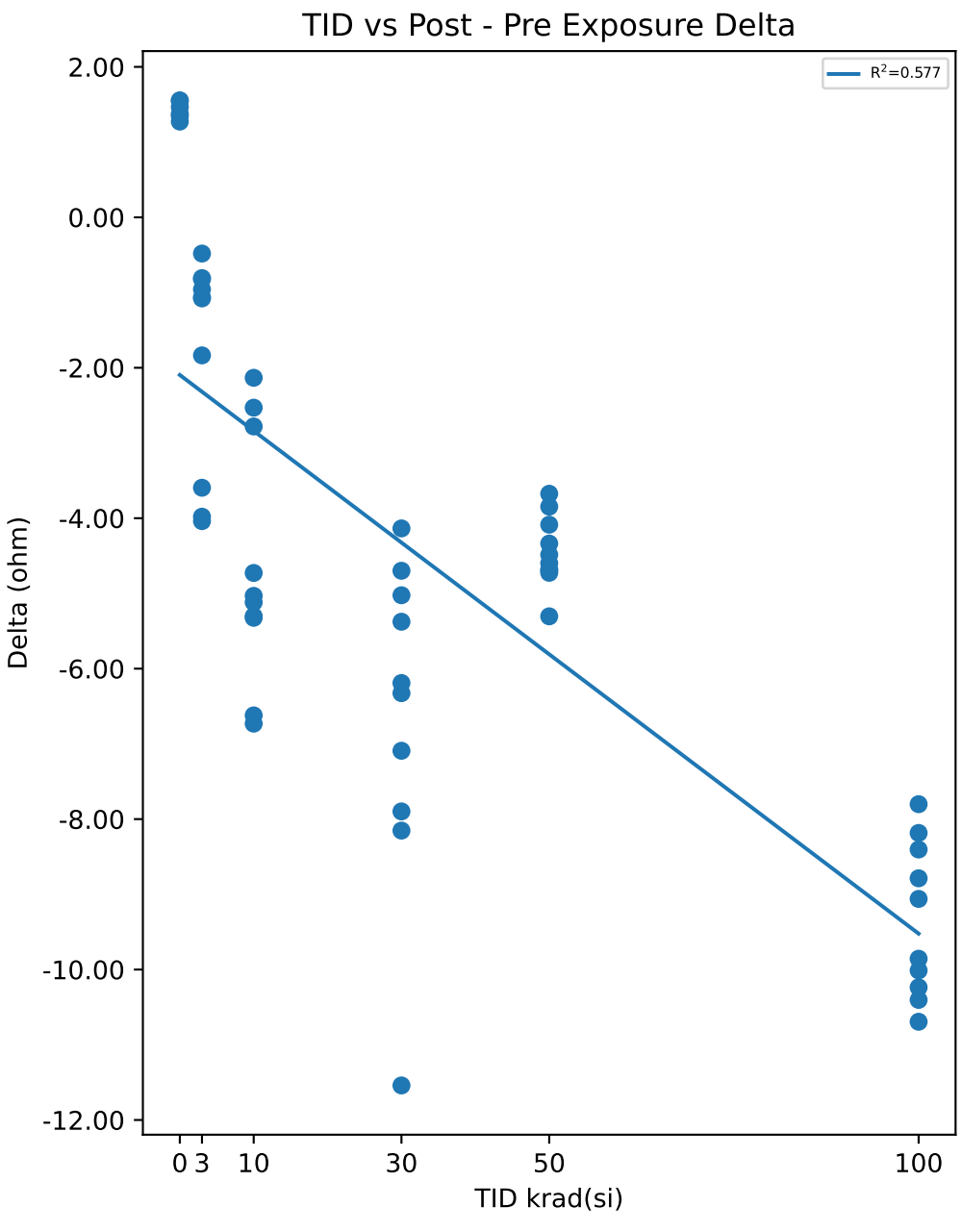
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	LDR Biased	1.9058	1.9073	0.0015
2	3	LDR Biased	1.8927	1.8932	0.0005
3	3	LDR Biased	1.8887	1.8902	0.0015
4	3	LDR Biased	1.9007	1.9018	0.0011
5	3	LDR Biased	1.8927	1.8902	-0.0025
6	10	LDR Biased	1.8932	1.8972	0.004
7	10	LDR Biased	1.8982	1.9028	0.0046
8	10	LDR Biased	1.8962	1.9002	0.004
9	10	LDR Biased	1.8817	1.8842	0.0025
10	10	LDR Biased	1.8882	1.8902	0.002
11	30	LDR Biased	1.8982	1.9033	0.0051
12	30	LDR Biased	1.9053	1.9093	0.004
13	30	LDR Biased	1.9073	1.9103	0.003
14	30	LDR Biased	1.9088	1.9103	0.0015
15	30	LDR Biased	1.9018	1.9018	0
16	50	LDR Biased	1.9002	1.9007	0.0005
17	50	LDR Biased	1.8967	1.8972	0.0005
18	50	LDR Biased	1.8977	1.8977	0
19	50	LDR Biased	1.8922	1.8922	0
20	50	LDR Biased	1.9053	1.9048	-0.0005
21	100	LDR Biased	1.8932	1.8977	0.0045
22	100	LDR Biased	1.9083	1.9078	-0.0005
23	100	LDR Biased	1.8972	1.8977	0.0005
24	100	LDR Biased	1.8932	1.8902	-0.003
25	100	LDR Biased	1.9113	1.9103	-0.001
26	3	LDR Unbiased	1.9098	1.9098	0
27	3	LDR Unbiased	1.8967	1.8967	0
28	3	LDR Unbiased	1.8862	1.8852	-0.001
29	3	LDR Unbiased	1.9018	1.9002	-0.0016
30	3	LDR Unbiased	1.8932	1.8902	-0.003
31	10	LDR Unbiased	1.8922	1.8907	-0.0015
32	10	LDR Unbiased	1.9103	1.9103	0
33	10	LDR Unbiased	1.9028	1.9033	0.0005
34	10	LDR Unbiased	1.8937	1.8967	0.003
35	10	LDR Unbiased	1.8982	1.8977	-0.0005
36	30	LDR Unbiased	1.8917	1.8902	-0.0015
37	30	LDR Unbiased	1.9088	1.9093	0.0005
38	30	LDR Unbiased	1.9033	1.9053	0.002
39	30	LDR Unbiased	1.8927	1.8932	0.0005
40	30	LDR Unbiased	1.9038	1.9053	0.0015
41	50	LDR Unbiased	1.8982	1.8998	0.0016
42	50	LDR Unbiased	1.8922	1.8907	-0.0015
43	50	LDR Unbiased	1.9073	1.9053	-0.002
44	50	LDR Unbiased	1.9058	1.9038	-0.002
45	50	LDR Unbiased	1.9173	1.9158	-0.0015
46	100	LDR Unbiased	1.9007	1.9018	0.0011
47	100	LDR Unbiased	1.9058	1.9078	0.002
48	100	LDR Unbiased	1.8998	1.9043	0.0045
49	100	LDR Unbiased	1.9013	1.9007	-0.0006
50	100	LDR Unbiased	1.9058	1.9078	0.002
60	0	Correlation	1.8932	1.8902	-0.003
61	0	Correlation	1.8932	1.8952	0.002
62	0	Correlation	1.8897	1.8882	-0.0015
63	0	Correlation	1.8982	1.8972	-0.001
64	0	Correlation	1.8882	1.8877	-0.0005
65	0	Correlation	1.8937	1.8952	0.0015

Test Statistics (V)

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	1.8882	1.8927	1.8982	0.0034928	1.8877	1.8923	1.8972	0.0040794	-0.003	-0.00041667	0.002	0.0018819
3	1.8862	1.8968	1.9098	0.0075628	1.8852	1.8965	1.9098	0.0081172	-0.003	-0.00035	0.0015	0.0016174
10	1.8817	1.8955	1.9103	0.0078212	1.8842	1.8973	1.9103	0.007526	-0.0015	0.00186	0.0046	0.002123
30	1.8917	1.9022	1.9088	0.0061749	1.8902	1.9038	1.9103	0.0070794	-0.0015	0.00166	0.0051	0.0019637
50	1.8922	1.9013	1.9173	0.0077374	1.8907	1.9008	1.9158	0.007225	-0.002	-0.00049	0.0016	0.0012206
100	1.8932	1.9017	1.9113	0.0061359	1.8902	1.9026	1.9103	0.0062301	-0.003	0.00095	0.0045	0.0023932

Device Test: 22.8 _LEVEL|SINK/SS_TR/5////@R_SS_DISCHARGE





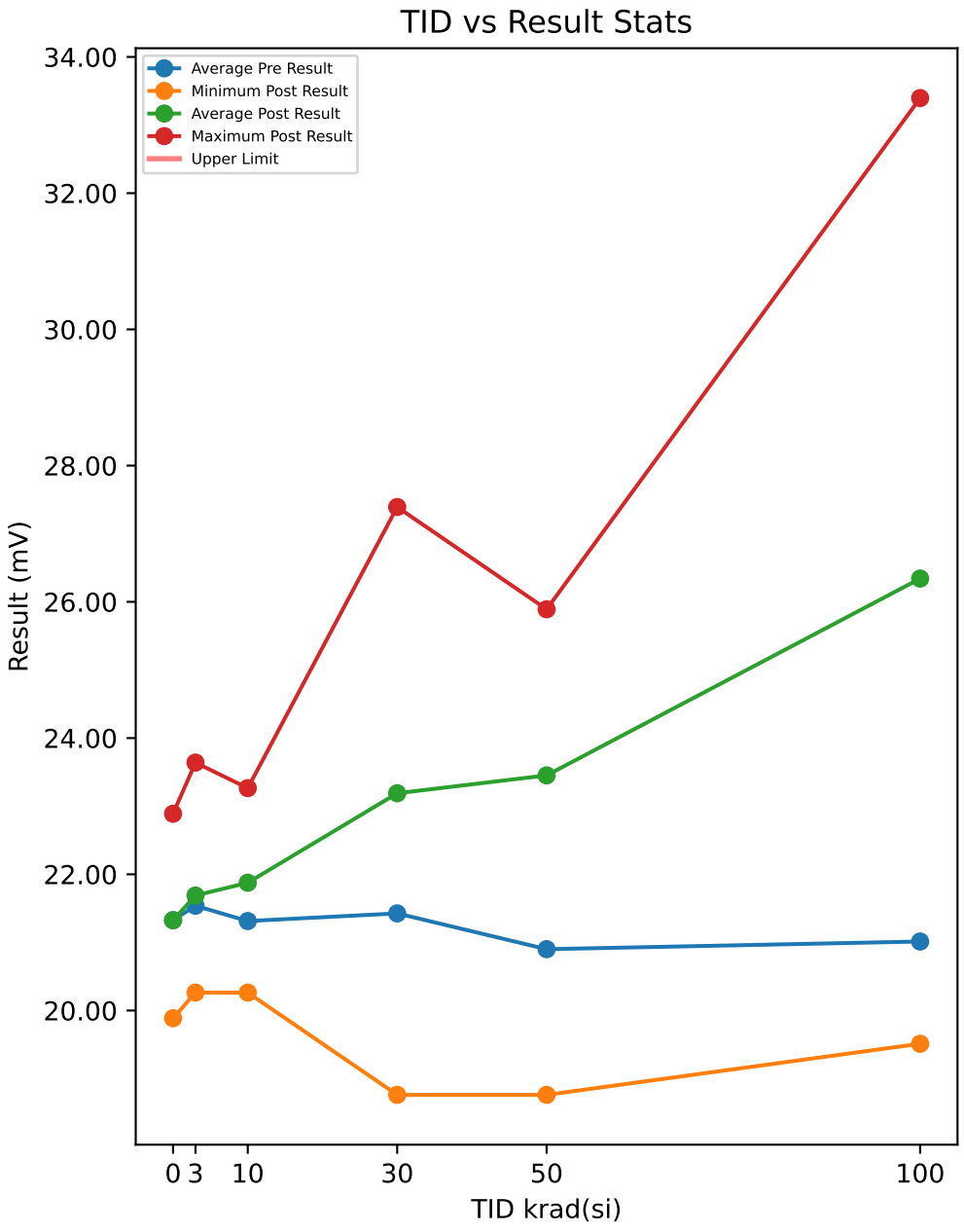
Test Results (Lower Limit = 200.0, Upper Limit = 700.0 (ohm))

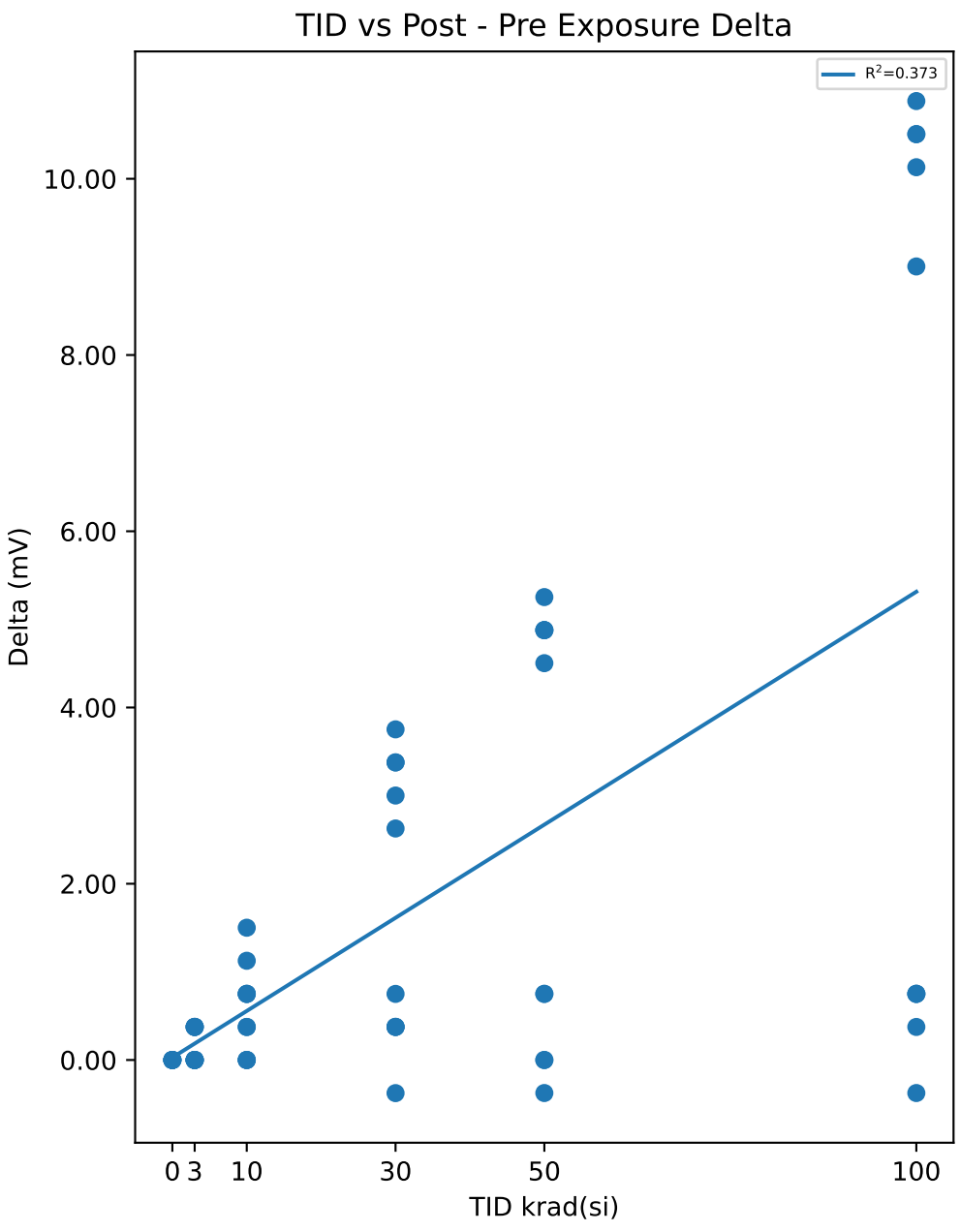
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	LDR Biased	419.01	415.03	-3.9797
2	3	LDR Biased	422.2	418.16	-4.0388
3	3	LDR Biased	417.74	414.15	-3.595
4	3	LDR Biased	418.6	416.76	-1.8353
5	3	LDR Biased	417.75	416.93	-0.8216
6	10	LDR Biased	418.88	413.85	-5.0322
7	10	LDR Biased	418.11	411.38	-6.7309
8	10	LDR Biased	418.99	412.37	-6.6214
9	10	LDR Biased	421.2	415.9	-5.3031
10	10	LDR Biased	419.65	414.92	-4.7278
11	30	LDR Biased	419.44	411.28	-8.1527
12	30	LDR Biased	420.73	409.19	-11.541
13	30	LDR Biased	418.71	410.82	-7.8977
14	30	LDR Biased	417.63	410.54	-7.0917
15	30	LDR Biased	419.84	414.82	-5.0242
16	50	LDR Biased	418.11	412.81	-5.3044
17	50	LDR Biased	417.84	413.16	-4.681
18	50	LDR Biased	414.55	410.7	-3.8459
19	50	LDR Biased	421.87	417.78	-4.0861
20	50	LDR Biased	417.34	413.67	-3.6749
21	100	LDR Biased	419.8	409.56	-10.237
22	100	LDR Biased	418.64	409.86	-8.787
23	100	LDR Biased	416.26	407.2	-9.0608
24	100	LDR Biased	418.8	410.62	-8.1842
25	100	LDR Biased	418.68	410.87	-7.8018
26	3	LDR Unbiased	418.4	417.32	-1.0778
27	3	LDR Unbiased	412.31	411.24	-1.0629
28	3	LDR Unbiased	417.82	417.01	-0.8082
29	3	LDR Unbiased	417.89	416.93	-0.9579
30	3	LDR Unbiased	417.71	417.23	-0.4818
31	10	LDR Unbiased	419.48	414.36	-5.1179
32	10	LDR Unbiased	417	411.67	-5.3238
33	10	LDR Unbiased	420.89	418.11	-2.7802
34	10	LDR Unbiased	417.84	415.31	-2.5307
35	10	LDR Unbiased	418.13	416	-2.1335
36	30	LDR Unbiased	419	412.81	-6.191
37	30	LDR Unbiased	417.62	411.3	-6.3254
38	30	LDR Unbiased	419.37	413.99	-5.3761
39	30	LDR Unbiased	423.32	418.62	-4.6986
40	30	LDR Unbiased	417.41	413.27	-4.1357
41	50	LDR Unbiased	417.86	413.14	-4.7259
42	50	LDR Unbiased	421.64	417.15	-4.4852
43	50	LDR Unbiased	417.48	412.88	-4.5976
44	50	LDR Unbiased	417.54	413.21	-4.337
45	50	LDR Unbiased	418.74	414.04	-4.6966
46	100	LDR Unbiased	419.44	408.75	-10.694
47	100	LDR Unbiased	419.46	409.05	-10.403
48	100	LDR Unbiased	418.55	408.54	-10.012
49	100	LDR Unbiased	417.91	408.05	-9.8563
50	100	LDR Unbiased	418.83	410.42	-8.4045
60	0	Correlation	417.16	418.63	1.4673
61	0	Correlation	418.59	419.96	1.377
62	0	Correlation	416.84	418.18	1.3465
63	0	Correlation	416.67	417.95	1.2726
64	0	Correlation	408.94	410.49	1.5551
65	0	Correlation	417.08	418.63	1.5488

Test Statistics (ohm)

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	408.94	415.88	418.59	3.4682	410.49	417.31	419.96	3.4104	1.2726	1.4279	1.5551	0.11462
3	412.31	417.94	422.2	2.3993	411.24	416.08	418.16	2.0599	-4.0388	-1.8659	-0.4818	1.4297
10	417	419.02	421.2	1.3326	411.38	414.39	418.11	2.1247	-6.7309	-4.6302	-2.1335	1.6256
30	417.41	419.31	423.32	1.7675	409.19	412.66	418.62	2.7088	-11.541	-6.6434	-4.1357	2.1766
50	414.55	418.3	421.87	2.1278	410.7	413.85	417.78	2.1022	-5.3044	-4.4435	-3.6749	0.4777
100	416.26	418.64	419.8	0.9963	407.2	409.29	410.87	1.1921	-10.694	-9.3441	-7.8018	1.0246

Device Test: 22.9 _LEVEL|STATIC/SS_TR/5////@V_SS_START





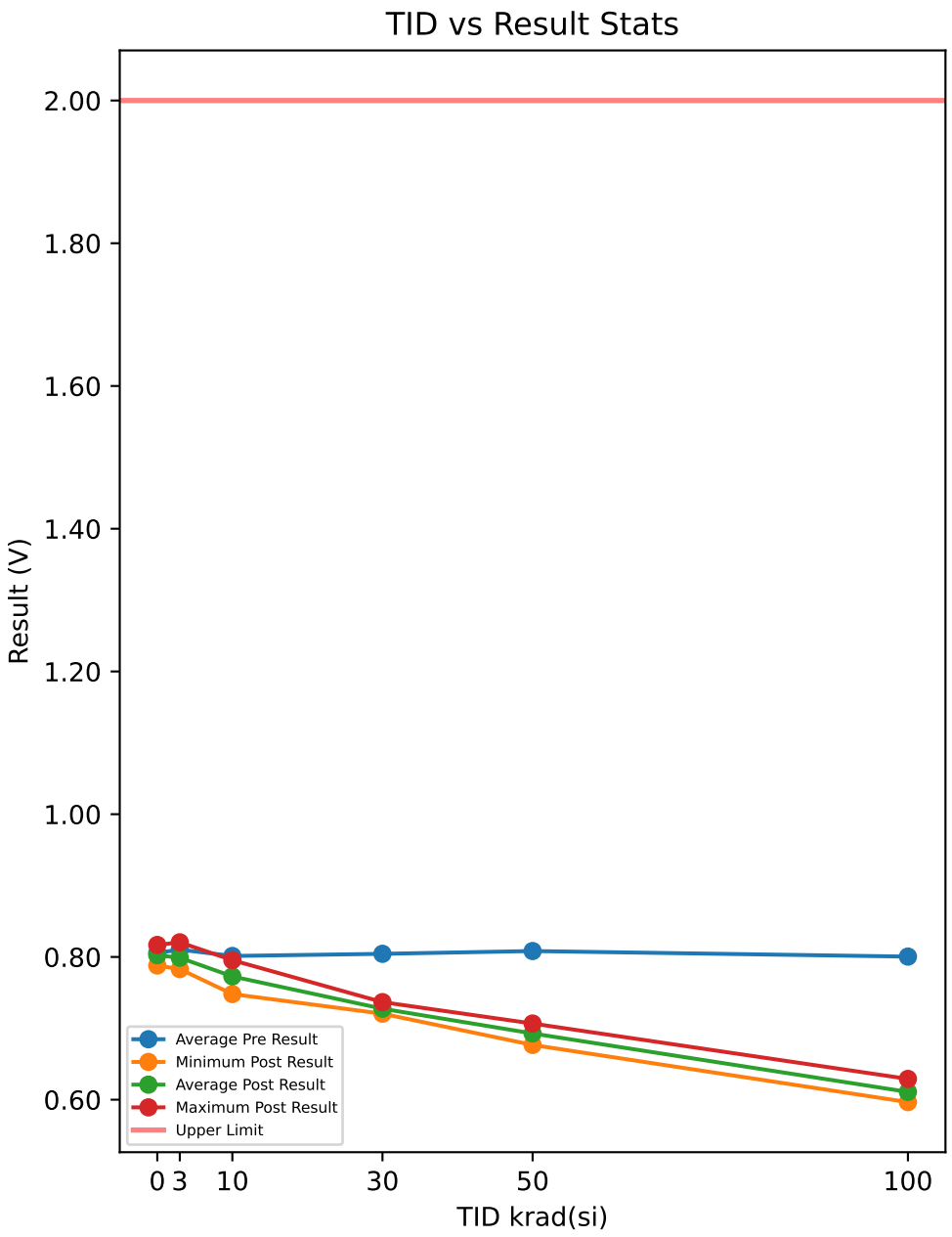
Test Results (No Limits Specified (mV))

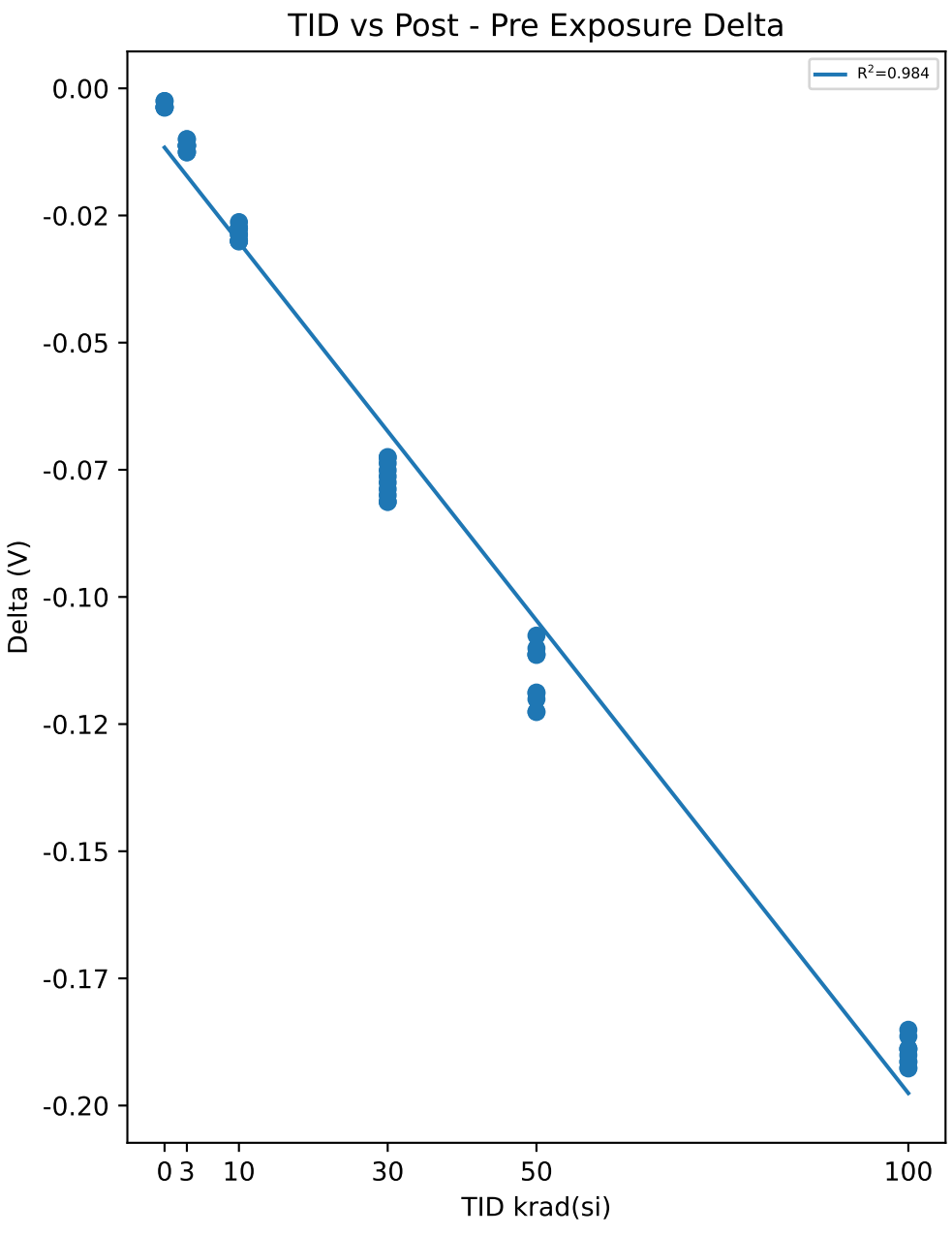
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	LDR Biased	22.514	22.514	0
2	3	LDR Biased	19.887	20.263	0.376
3	3	LDR Biased	23.64	23.64	0
4	3	LDR Biased	21.388	21.764	0.376
5	3	LDR Biased	22.514	22.889	0.375
6	10	LDR Biased	21.764	22.514	0.75
7	10	LDR Biased	19.887	21.388	1.501
8	10	LDR Biased	21.764	22.514	0.75
9	10	LDR Biased	20.638	21.764	1.126
10	10	LDR Biased	19.512	20.263	0.751
11	30	LDR Biased	23.64	27.392	3.752
12	30	LDR Biased	21.388	24.015	2.627
13	30	LDR Biased	21.764	24.765	3.001
14	30	LDR Biased	21.764	25.141	3.377
15	30	LDR Biased	20.263	23.64	3.377
16	50	LDR Biased	19.887	24.765	4.878
17	50	LDR Biased	20.638	25.516	4.878
18	50	LDR Biased	21.013	25.891	4.878
19	50	LDR Biased	21.013	25.516	4.503
20	50	LDR Biased	19.512	24.765	5.253
21	100	LDR Biased	22.139	31.144	9.005
22	100	LDR Biased	20.263	30.769	10.506
23	100	LDR Biased	20.263	30.394	10.131
24	100	LDR Biased	22.514	33.396	10.882
25	100	LDR Biased	19.887	30.394	10.507
26	3	LDR Unbiased	21.764	21.764	0
27	3	LDR Unbiased	20.263	20.638	0.375
28	3	LDR Unbiased	21.013	21.013	0
29	3	LDR Unbiased	21.388	21.388	0
30	3	LDR Unbiased	21.013	21.013	0
31	10	LDR Unbiased	23.265	23.265	0
32	10	LDR Unbiased	20.263	20.263	0
33	10	LDR Unbiased	22.514	22.889	0.375
34	10	LDR Unbiased	23.265	23.265	0
35	10	LDR Unbiased	20.263	20.638	0.375
36	30	LDR Unbiased	22.139	22.514	0.375
37	30	LDR Unbiased	21.764	22.514	0.75
38	30	LDR Unbiased	23.265	22.889	-0.376
39	30	LDR Unbiased	19.887	20.263	0.376
40	30	LDR Unbiased	18.386	18.762	0.376
41	50	LDR Unbiased	22.139	21.764	-0.375
42	50	LDR Unbiased	21.764	21.764	0
43	50	LDR Unbiased	21.013	21.764	0.751
44	50	LDR Unbiased	23.265	24.015	0.75
45	50	LDR Unbiased	18.762	18.762	0
46	100	LDR Unbiased	23.265	24.015	0.75
47	100	LDR Unbiased	19.137	19.512	0.375
48	100	LDR Unbiased	22.139	21.764	-0.375
49	100	LDR Unbiased	21.013	21.764	0.751
50	100	LDR Unbiased	19.512	20.263	0.751
60	0	Correlation	21.388	21.388	0
61	0	Correlation	21.764	21.764	0
62	0	Correlation	22.889	22.889	0
63	0	Correlation	20.263	20.263	0
64	0	Correlation	19.887	19.887	0
65	0	Correlation	21.764	21.764	0

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	19.887	21.326	22.889	1.0983	19.887	21.326	22.889	1.0983	0	0	0	0
3	19.887	21.538	23.64	1.1216	20.263	21.689	23.64	1.0583	0	0.1502	0.376	0.19391
10	19.512	21.313	23.265	1.3907	20.263	21.876	23.265	1.1872	0	0.5628	1.501	0.50812
30	18.386	21.426	23.64	1.567	18.762	23.19	27.392	2.4496	-0.376	1.7635	3.752	1.5924
50	18.762	20.901	23.265	1.3126	18.762	23.452	25.891	2.328	-0.375	2.5516	5.253	2.4814
100	19.137	21.013	23.265	1.4152	19.512	26.342	33.396	5.3353	-0.375	5.3283	10.882	5.1745

Device Test: 23.1 _VIN|VALID/PWRGD/0////@MIN_VIN_FOR_PWRGD_OUTPUT





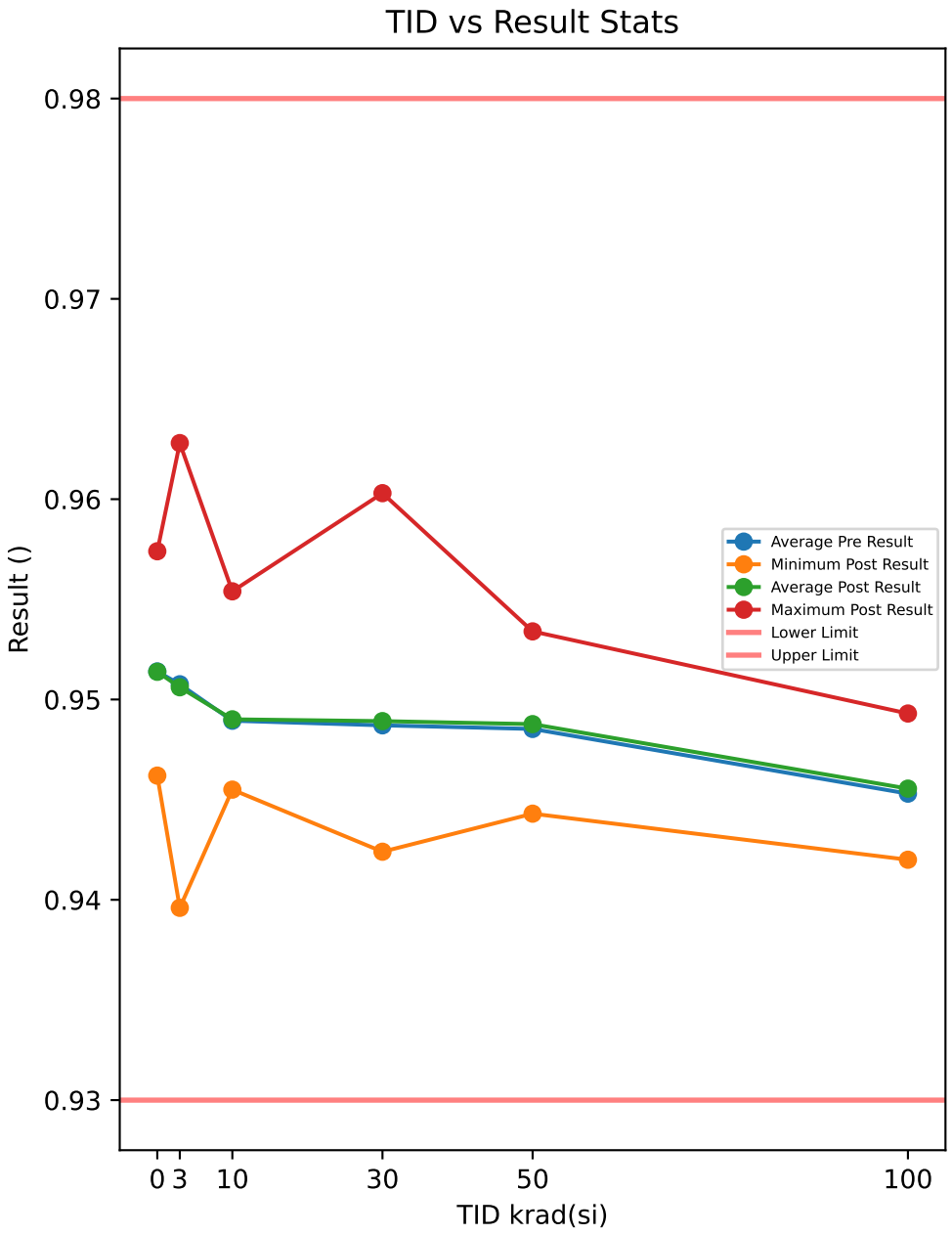
Test Results (Upper Limit = 2.0 (V))

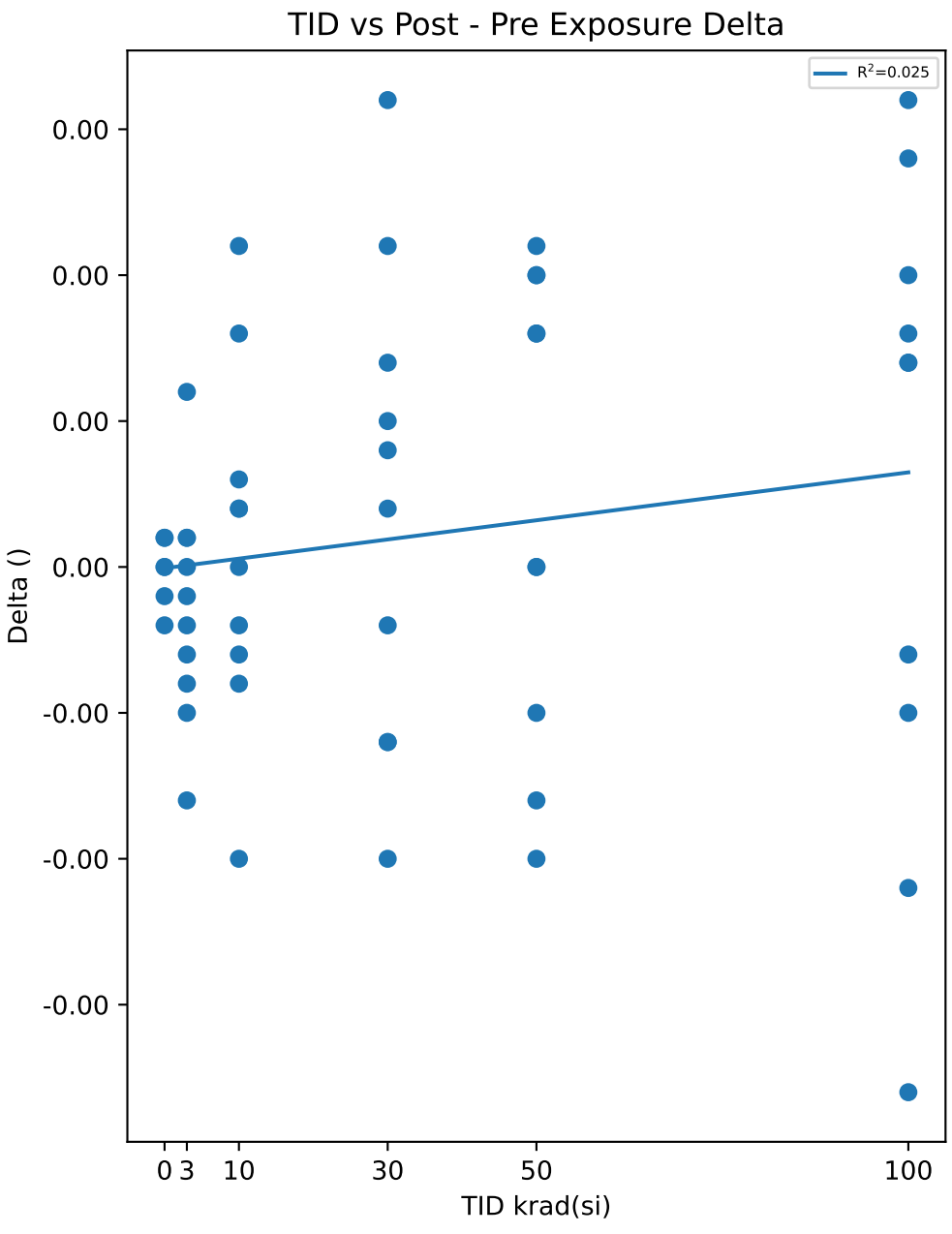
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	LDR Biased	0.8055	0.7955	-0.01
2	3	LDR Biased	0.818	0.808	-0.01
3	3	LDR Biased	0.8293	0.818	-0.0113
4	3	LDR Biased	0.7967	0.7842	-0.0125
5	3	LDR Biased	0.7942	0.783	-0.0112
6	10	LDR Biased	0.7942	0.7667	-0.0275
7	10	LDR Biased	0.7767	0.748	-0.0287
8	10	LDR Biased	0.8068	0.7805	-0.0263
9	10	LDR Biased	0.8055	0.778	-0.0275
10	10	LDR Biased	0.8093	0.7805	-0.0288
11	30	LDR Biased	0.8005	0.7242	-0.0763
12	30	LDR Biased	0.8068	0.7342	-0.0726
13	30	LDR Biased	0.7967	0.723	-0.0737
14	30	LDR Biased	0.8093	0.7342	-0.0751
15	30	LDR Biased	0.793	0.7205	-0.0725
16	50	LDR Biased	0.8143	0.7029	-0.1114
17	50	LDR Biased	0.7967	0.6854	-0.1113
18	50	LDR Biased	0.8068	0.6992	-0.1076
19	50	LDR Biased	0.8168	0.7067	-0.1101
20	50	LDR Biased	0.8055	0.6942	-0.1113
21	100	LDR Biased	0.8055	0.6166	-0.1889
22	100	LDR Biased	0.8093	0.6204	-0.1889
23	100	LDR Biased	0.7817	0.5966	-0.1851
24	100	LDR Biased	0.7993	0.6129	-0.1864
25	100	LDR Biased	0.7967	0.6079	-0.1888
26	3	LDR Unbiased	0.798	0.7867	-0.0113
27	3	LDR Unbiased	0.8318	0.8205	-0.0113
28	3	LDR Unbiased	0.8155	0.8043	-0.0112
29	3	LDR Unbiased	0.8018	0.7892	-0.0126
30	3	LDR Unbiased	0.8118	0.7993	-0.0125
31	10	LDR Unbiased	0.8255	0.7955	-0.03
32	10	LDR Unbiased	0.783	0.753	-0.03
33	10	LDR Unbiased	0.8105	0.783	-0.0275
34	10	LDR Unbiased	0.8093	0.7792	-0.0301
35	10	LDR Unbiased	0.793	0.763	-0.03
36	30	LDR Unbiased	0.8005	0.7205	-0.08
37	30	LDR Unbiased	0.8043	0.723	-0.0813
38	30	LDR Unbiased	0.8055	0.728	-0.0775
39	30	LDR Unbiased	0.8118	0.7305	-0.0813
40	30	LDR Unbiased	0.8155	0.7367	-0.0788
41	50	LDR Unbiased	0.8205	0.6979	-0.1226
42	50	LDR Unbiased	0.8093	0.6904	-0.1189
43	50	LDR Unbiased	0.8043	0.6842	-0.1201
44	50	LDR Unbiased	0.813	0.6904	-0.1226
45	50	LDR Unbiased	0.7955	0.6767	-0.1188
46	100	LDR Unbiased	0.8218	0.6291	-0.1927
47	100	LDR Unbiased	0.7955	0.6041	-0.1914
48	100	LDR Unbiased	0.813	0.6229	-0.1901
49	100	LDR Unbiased	0.7917	0.5991	-0.1926
50	100	LDR Unbiased	0.7905	0.5991	-0.1914
60	0	Correlation	0.7905	0.788	-0.0025
61	0	Correlation	0.8155	0.8118	-0.0037
62	0	Correlation	0.8105	0.8068	-0.0037
63	0	Correlation	0.8018	0.798	-0.0038
64	0	Correlation	0.8193	0.8168	-0.0025
65	0	Correlation	0.7967	0.793	-0.0037

Test Statistics (V)

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	0.7905	0.80572	0.8193	0.011236	0.788	0.8024	0.8168	0.011226	-0.0038	-0.0033167	-0.0025	0.00063377
3	0.7942	0.81026	0.8318	0.013344	0.783	0.79887	0.8205	0.013609	-0.0126	-0.01139	-0.01	0.00093625
10	0.7767	0.80138	0.8255	0.014551	0.748	0.77274	0.7955	0.014705	-0.0301	-0.02864	-0.0263	0.0013778
30	0.793	0.80439	0.8155	0.0069011	0.7205	0.72748	0.7367	0.0060833	-0.0813	-0.07691	-0.0725	0.0033992
50	0.7955	0.80827	0.8205	0.0081966	0.6767	0.6928	0.7067	0.0092111	-0.1226	-0.11547	-0.1076	0.0056576
100	0.7817	0.8005	0.8218	0.011945	0.5966	0.61087	0.6291	0.011256	-0.1927	-0.18963	-0.1851	0.0025263

Device Test: 23.10 _HRESHOLD|RISE/PWRGD/5////@VSENSE_VTH_RISING_GOOD





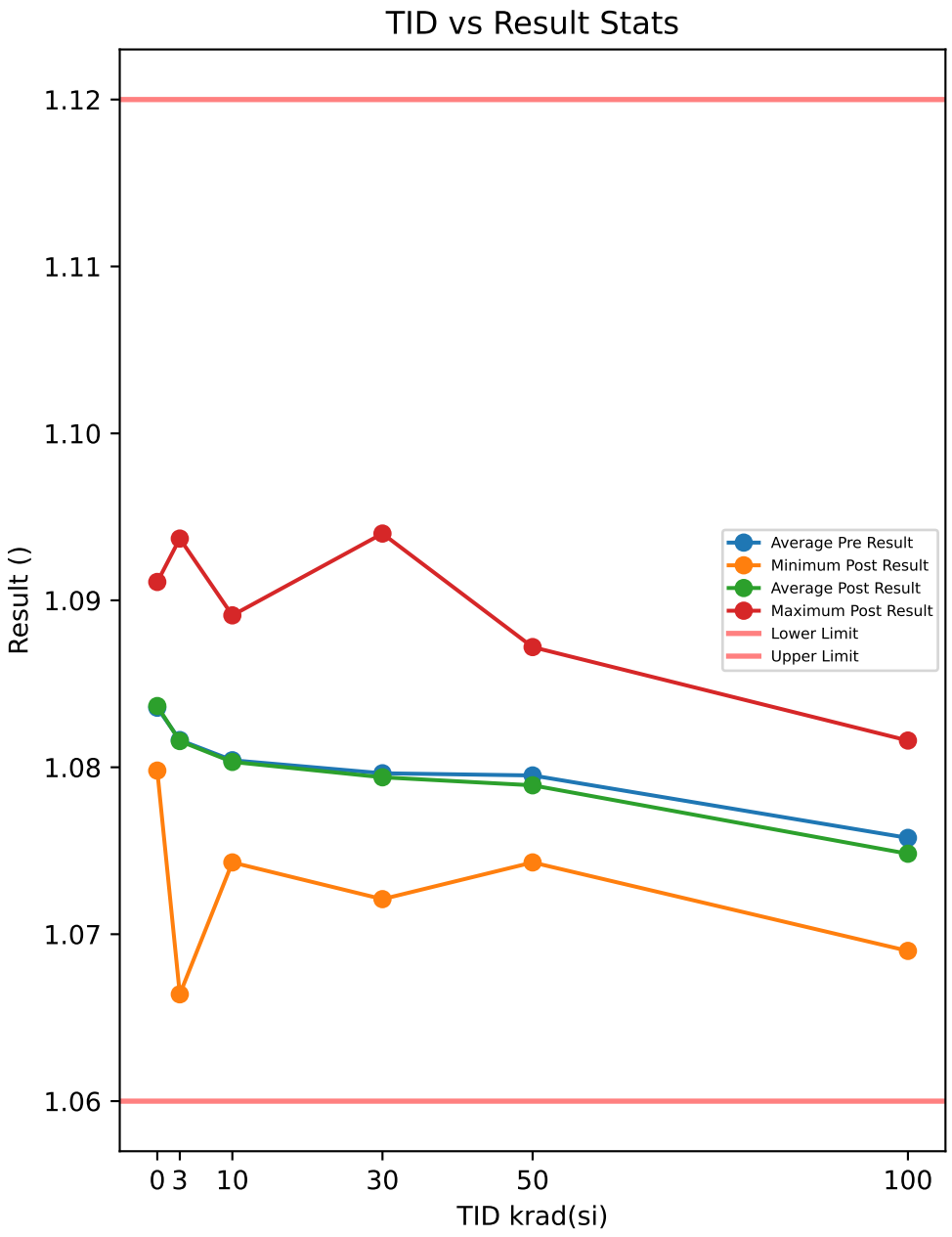
Test Results (Lower Limit = 0.93, Upper Limit = 0.98 ())

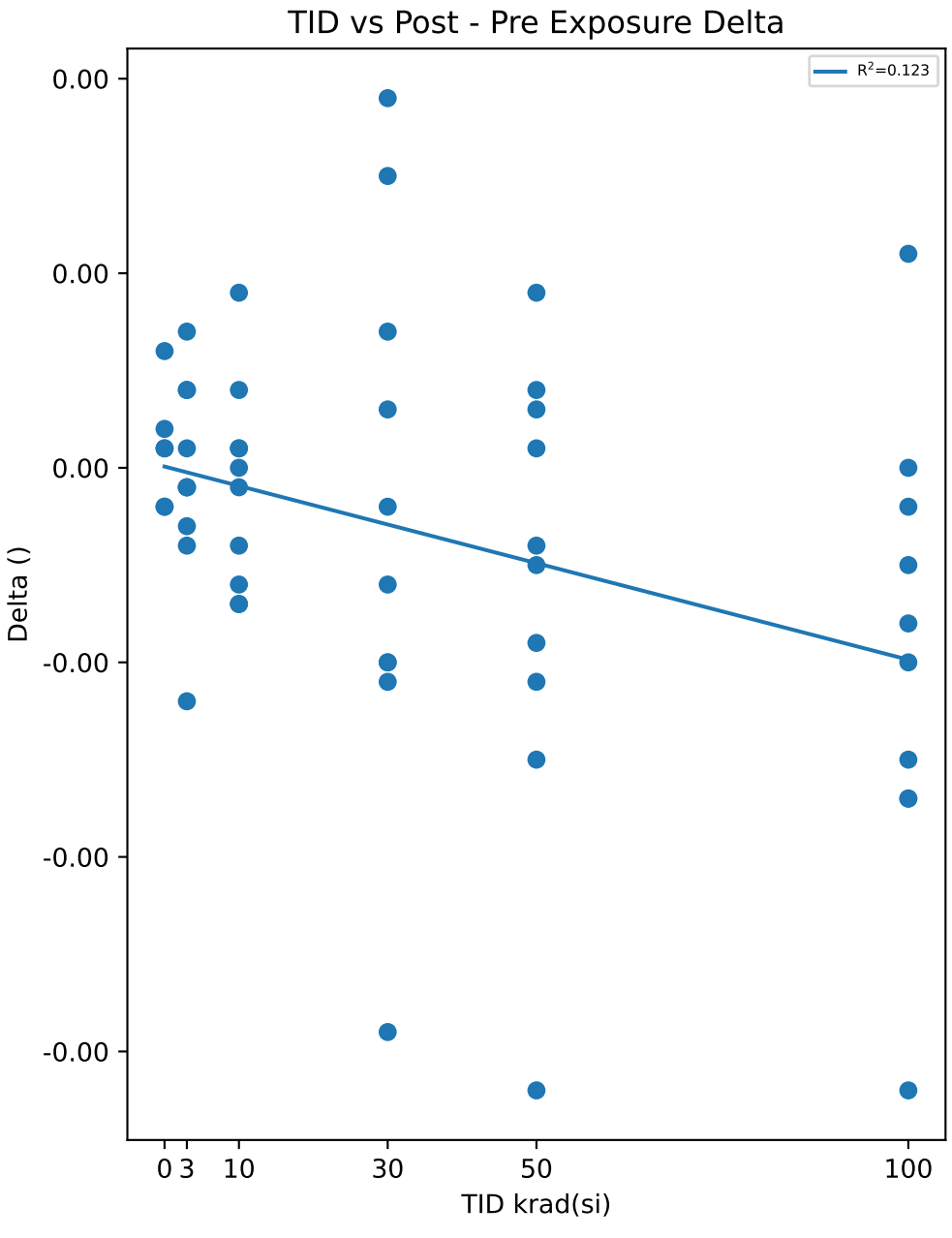
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	LDR Biased	0.9409	0.9408	-0.0001
2	3	LDR Biased	0.9404	0.9396	-0.0008
3	3	LDR Biased	0.9467	0.9465	-0.0002
4	3	LDR Biased	0.9566	0.9567	0.0001
5	3	LDR Biased	0.9573	0.9569	-0.0004
6	10	LDR Biased	0.9507	0.9497	-0.001
7	10	LDR Biased	0.9453	0.9456	0.0003
8	10	LDR Biased	0.9444	0.9455	0.0011
9	10	LDR Biased	0.9477	0.9475	-0.0002
10	10	LDR Biased	0.9516	0.9512	-0.0004
11	30	LDR Biased	0.9519	0.9535	0.0016
12	30	LDR Biased	0.948	0.9487	0.0007
13	30	LDR Biased	0.9427	0.9432	0.0005
14	30	LDR Biased	0.9582	0.9572	-0.001
15	30	LDR Biased	0.9454	0.9456	0.0002
16	50	LDR Biased	0.9469	0.9477	0.0008
17	50	LDR Biased	0.9534	0.9529	-0.0005
18	50	LDR Biased	0.9523	0.9534	0.0011
19	50	LDR Biased	0.9506	0.9516	0.001
20	50	LDR Biased	0.9508	0.95	-0.0008
21	100	LDR Biased	0.9463	0.9473	0.001
22	100	LDR Biased	0.9449	0.9456	0.0007
23	100	LDR Biased	0.9431	0.942	-0.0011
24	100	LDR Biased	0.9452	0.9449	-0.0003
25	100	LDR Biased	0.9454	0.9462	0.0008
26	3	LDR Unbiased	0.9519	0.9519	0
27	3	LDR Unbiased	0.9503	0.95	-0.0003
28	3	LDR Unbiased	0.9537	0.9532	-0.0005
29	3	LDR Unbiased	0.9476	0.9477	0.0001
30	3	LDR Unbiased	0.9622	0.9628	0.0006
31	10	LDR Unbiased	0.9546	0.9554	0.0008
32	10	LDR Unbiased	0.9468	0.9465	-0.0003
33	10	LDR Unbiased	0.9525	0.9527	0.0002
34	10	LDR Unbiased	0.9489	0.9491	0.0002
35	10	LDR Unbiased	0.9469	0.9469	0
36	30	LDR Unbiased	0.9413	0.9424	0.0011
37	30	LDR Unbiased	0.947	0.9468	-0.0002
38	30	LDR Unbiased	0.9496	0.949	-0.0006
39	30	LDR Unbiased	0.9431	0.9425	-0.0006
40	30	LDR Unbiased	0.9599	0.9603	0.0004
41	50	LDR Unbiased	0.9475	0.9465	-0.001
42	50	LDR Unbiased	0.9433	0.9443	0.001
43	50	LDR Unbiased	0.9475	0.9483	0.0008
44	50	LDR Unbiased	0.9458	0.9458	0
45	50	LDR Unbiased	0.9472	0.9472	0
46	100	LDR Unbiased	0.9498	0.9493	-0.0005
47	100	LDR Unbiased	0.947	0.9484	0.0014
48	100	LDR Unbiased	0.944	0.9422	-0.0018
49	100	LDR Unbiased	0.9452	0.9459	0.0007
50	100	LDR Unbiased	0.9421	0.9437	0.0016
60	0	Correlation	0.9514	0.9514	0
61	0	Correlation	0.9501	0.9501	0
62	0	Correlation	0.9492	0.949	-0.0002
63	0	Correlation	0.9461	0.9462	0.0001
64	0	Correlation	0.9541	0.9542	0.0001
65	0	Correlation	0.9575	0.9574	-0.0001

Test Statistics ()

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	0.9461	0.9514	0.9575	0.0039779	0.9462	0.95138	0.9574	0.003958	-0.0002	-1.6667e-05	0.0001	0.0001169
3	0.9404	0.95076	0.9622	0.0070626	0.9396	0.95061	0.9628	0.0072787	-0.0008	-0.00015	0.0006	0.00038658
10	0.9444	0.94894	0.9546	0.003317	0.9455	0.94901	0.9554	0.003278	-0.001	7e-05	0.0011	0.00060194
30	0.9413	0.94871	0.9599	0.006352	0.9424	0.94892	0.9603	0.0062455	-0.001	0.00021	0.0016	0.00081847
50	0.9433	0.94853	0.9534	0.0031397	0.9443	0.94877	0.9534	0.0030876	-0.001	0.00024	0.0011	0.00080305
100	0.9421	0.9453	0.9498	0.002137	0.942	0.94555	0.9493	0.0024373	-0.0018	0.00025	0.0016	0.0011208

Device Test: 23.11 _HRESHOLD|RISE/PWRGD/5////@VSENSE_VTH_RISING_FAULT





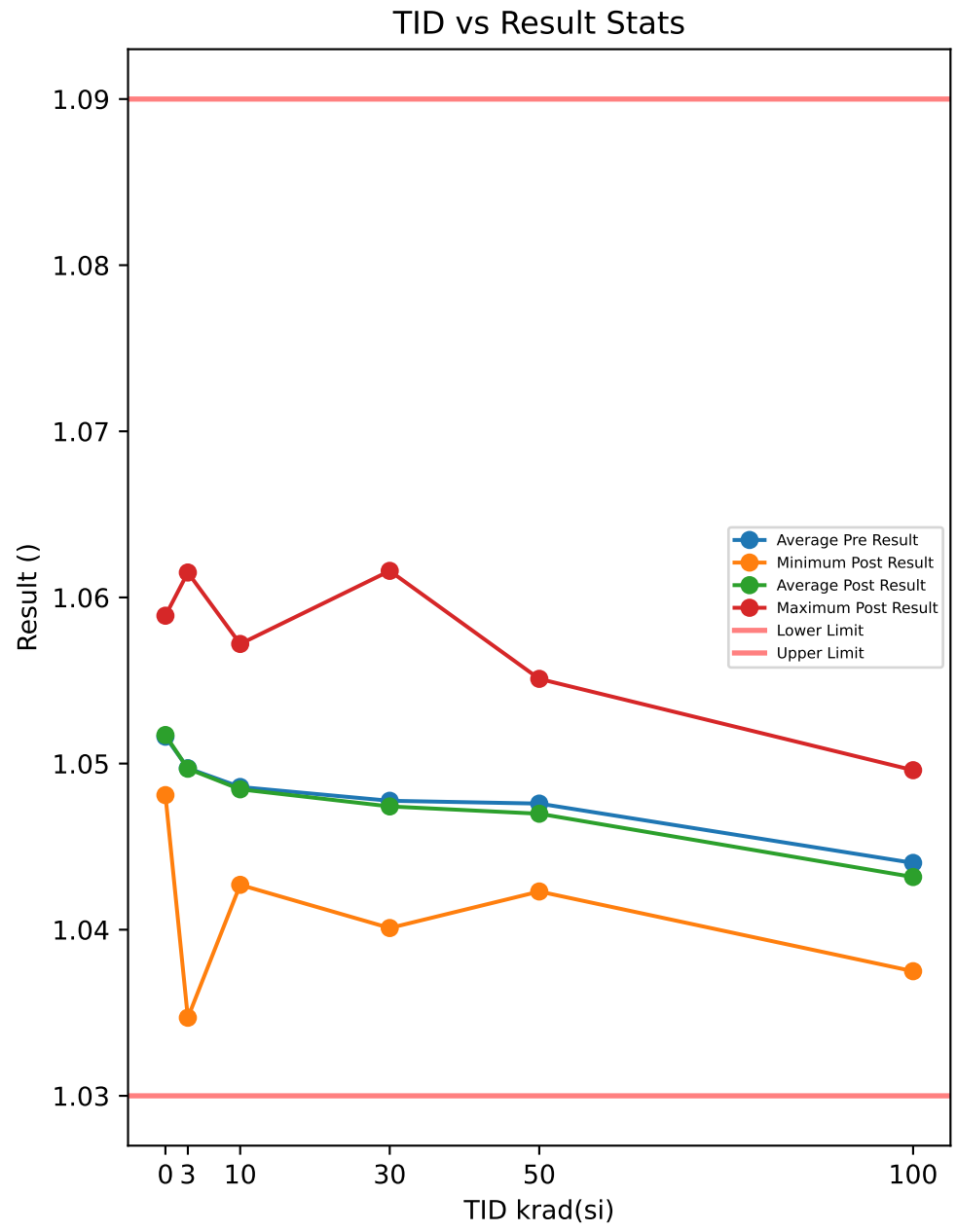
Test Results (Lower Limit = 1.06, Upper Limit = 1.12 ())

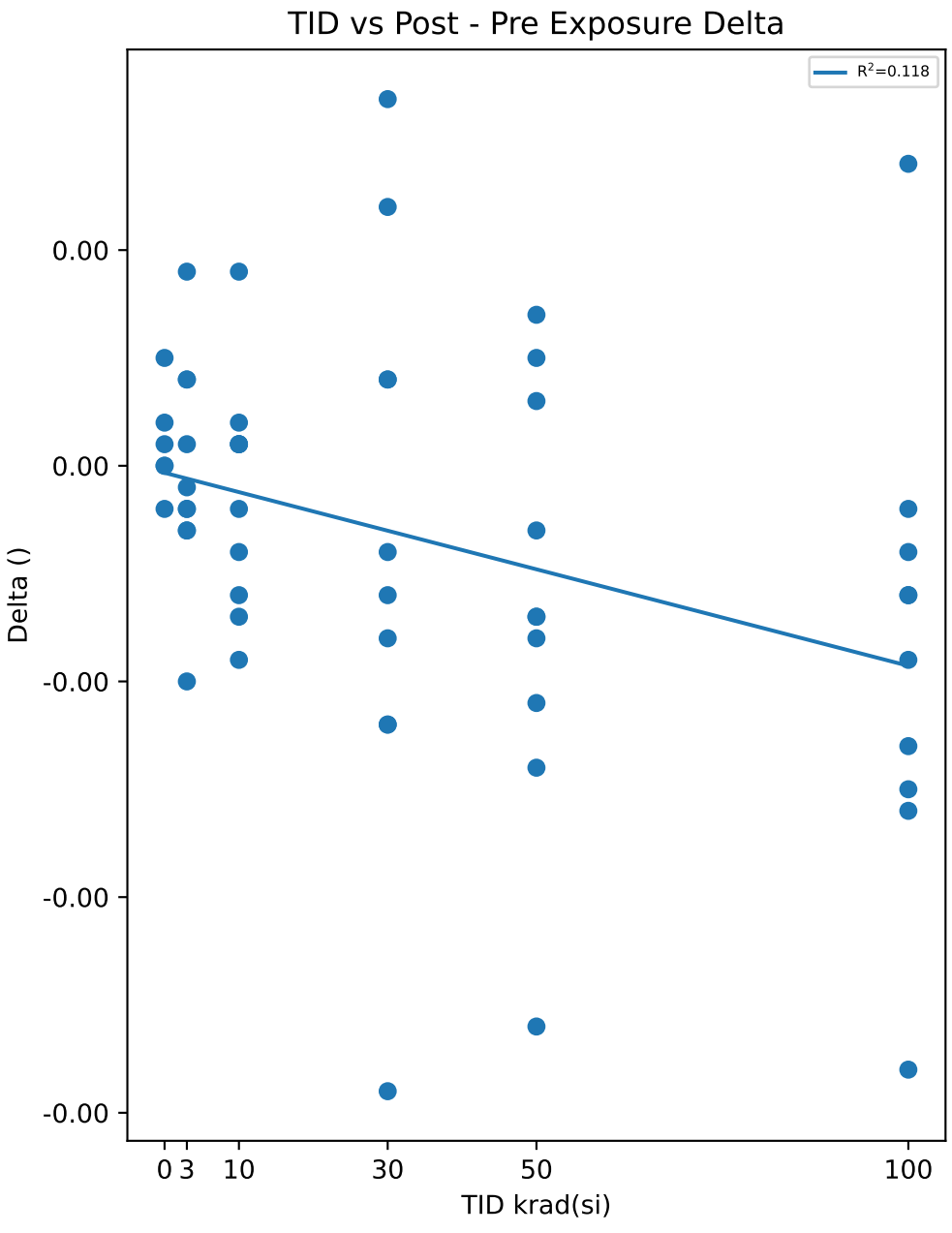
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	LDR Biased	1.0679	1.0675	-0.0004
2	3	LDR Biased	1.0676	1.0664	-0.0012
3	3	LDR Biased	1.0761	1.0762	0.0001
4	3	LDR Biased	1.089	1.0887	-0.0003
5	3	LDR Biased	1.093	1.0929	-0.0001
6	10	LDR Biased	1.0802	1.0795	-0.0007
7	10	LDR Biased	1.0743	1.0743	0
8	10	LDR Biased	1.0785	1.0786	0.0001
9	10	LDR Biased	1.0787	1.0781	-0.0006
10	10	LDR Biased	1.0837	1.0836	-0.0001
11	30	LDR Biased	1.0808	1.0827	0.0019
12	30	LDR Biased	1.0792	1.0782	-0.001
13	30	LDR Biased	1.0749	1.0738	-0.0011
14	30	LDR Biased	1.0901	1.0872	-0.0029
15	30	LDR Biased	1.0768	1.0758	-0.001
16	50	LDR Biased	1.0761	1.0756	-0.0005
17	50	LDR Biased	1.083	1.0798	-0.0032
18	50	LDR Biased	1.0871	1.0872	0.0001
19	50	LDR Biased	1.081	1.0806	-0.0004
20	50	LDR Biased	1.0839	1.0824	-0.0015
21	100	LDR Biased	1.0775	1.0758	-0.0017
22	100	LDR Biased	1.0764	1.0762	-0.0002
23	100	LDR Biased	1.0722	1.069	-0.0032
24	100	LDR Biased	1.0761	1.0744	-0.0017
25	100	LDR Biased	1.0761	1.0753	-0.0008
26	3	LDR Unbiased	1.0836	1.084	0.0004
27	3	LDR Unbiased	1.0817	1.0816	-0.0001
28	3	LDR Unbiased	1.0847	1.0846	-0.0001
29	3	LDR Unbiased	1.0797	1.0801	0.0004
30	3	LDR Unbiased	1.093	1.0937	0.0007
31	10	LDR Unbiased	1.0882	1.0891	0.0009
32	10	LDR Unbiased	1.0782	1.0786	0.0004
33	10	LDR Unbiased	1.0842	1.0838	-0.0004
34	10	LDR Unbiased	1.079	1.0791	0.0001
35	10	LDR Unbiased	1.0792	1.0785	-0.0007
36	30	LDR Unbiased	1.0714	1.0721	0.0007
37	30	LDR Unbiased	1.0807	1.0801	-0.0006
38	30	LDR Unbiased	1.0772	1.0775	0.0003
39	30	LDR Unbiased	1.0728	1.0726	-0.0002
40	30	LDR Unbiased	1.0925	1.094	0.0015
41	50	LDR Unbiased	1.0816	1.0819	0.0003
42	50	LDR Unbiased	1.0741	1.075	0.0009
43	50	LDR Unbiased	1.076	1.0749	-0.0011
44	50	LDR Unbiased	1.0752	1.0743	-0.0009
45	50	LDR Unbiased	1.0771	1.0775	0.0004
46	100	LDR Unbiased	1.0826	1.0816	-0.001
47	100	LDR Unbiased	1.0775	1.0775	0
48	100	LDR Unbiased	1.0727	1.0712	-0.0015
49	100	LDR Unbiased	1.074	1.0735	-0.0005
50	100	LDR Unbiased	1.0726	1.0737	0.0011
60	0	Correlation	1.0796	1.0798	0.0002
61	0	Correlation	1.0843	1.0841	-0.0002
62	0	Correlation	1.0808	1.0806	-0.0002
63	0	Correlation	1.0815	1.0821	0.0006
64	0	Correlation	1.0842	1.0843	0.0001
65	0	Correlation	1.091	1.0911	0.0001

Test Statistics ()

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	1.0796	1.0836	1.091	0.0040952	1.0798	1.0837	1.0911	0.0040658	-0.0002	0.0001	0.0006	0.00029665
3	1.0676	1.0816	1.093	0.0091034	1.0664	1.0816	1.0937	0.0094312	-0.0012	-6e-05	0.0007	0.00052747
10	1.0743	1.0804	1.0882	0.003918	1.0743	1.0803	1.0891	0.0041166	-0.0007	-0.0001	0.0009	0.0005164
30	1.0714	1.0796	1.0925	0.0069011	1.0721	1.0794	1.094	0.0069465	-0.0029	-0.00024	0.0019	0.0014096
50	1.0741	1.0795	1.0871	0.0043875	1.0743	1.0789	1.0872	0.0042039	-0.0032	-0.00059	0.0009	0.0011789
100	1.0722	1.0758	1.0826	0.0031376	1.069	1.0748	1.0816	0.0034383	-0.0032	-0.00095	0.0011	0.0011731

Device Test: 23.12 _HRESHOLD|FALL/PWRGD/5////@VSENSE_VTH_FALLING_GOOD





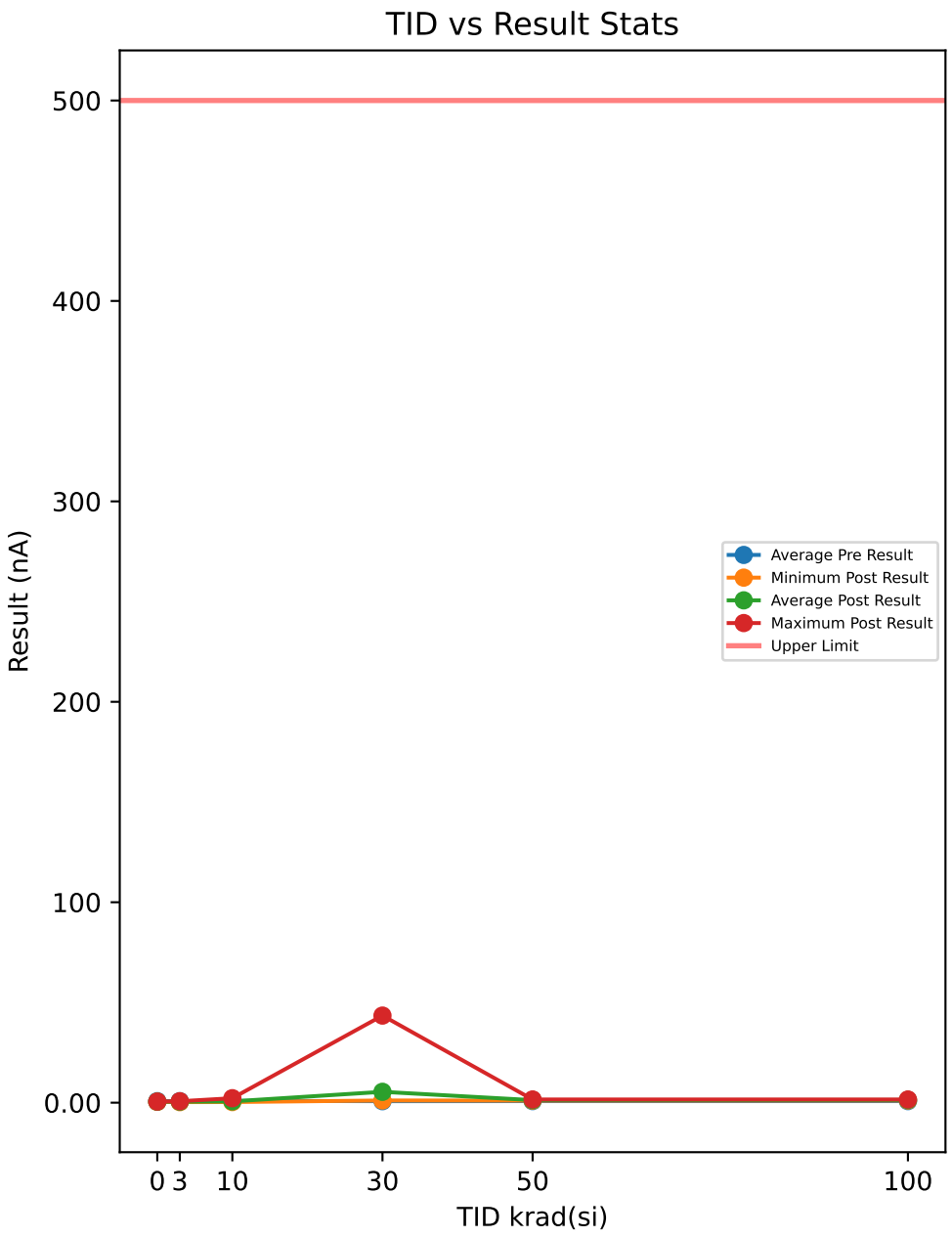
Test Results (Lower Limit = 1.03, Upper Limit = 1.09 ())

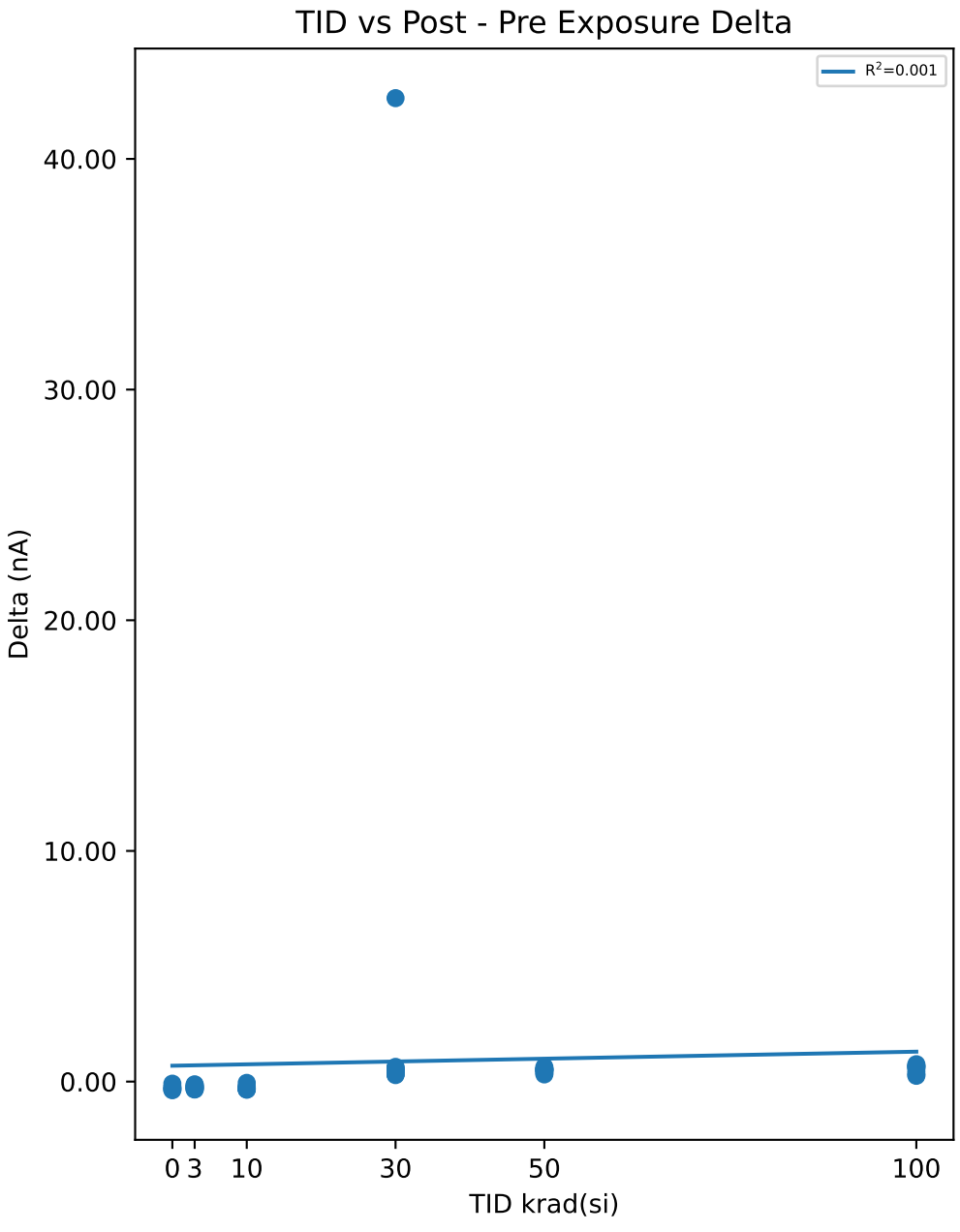
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	LDR Biased	1.0362	1.036	-0.0002
2	3	LDR Biased	1.0357	1.0347	-0.001
3	3	LDR Biased	1.0446	1.0444	-0.0002
4	3	LDR Biased	1.0567	1.0564	-0.0003
5	3	LDR Biased	1.0609	1.0608	-0.0001
6	10	LDR Biased	1.0485	1.0476	-0.0009
7	10	LDR Biased	1.0426	1.0427	0.0001
8	10	LDR Biased	1.0466	1.0467	0.0001
9	10	LDR Biased	1.0468	1.0462	-0.0006
10	10	LDR Biased	1.0519	1.0517	-0.0002
11	30	LDR Biased	1.0489	1.0506	0.0017
12	30	LDR Biased	1.0475	1.0463	-0.0012
13	30	LDR Biased	1.0431	1.0423	-0.0008
14	30	LDR Biased	1.0578	1.0549	-0.0029
15	30	LDR Biased	1.045	1.0438	-0.0012
16	50	LDR Biased	1.0444	1.0437	-0.0007
17	50	LDR Biased	1.0506	1.048	-0.0026
18	50	LDR Biased	1.0554	1.0551	-0.0003
19	50	LDR Biased	1.0493	1.0486	-0.0007
20	50	LDR Biased	1.0518	1.0504	-0.0014
21	100	LDR Biased	1.0456	1.044	-0.0016
22	100	LDR Biased	1.0449	1.0445	-0.0004
23	100	LDR Biased	1.0403	1.0375	-0.0028
24	100	LDR Biased	1.0444	1.0429	-0.0015
25	100	LDR Biased	1.0442	1.0436	-0.0006
26	3	LDR Unbiased	1.0517	1.0521	0.0004
27	3	LDR Unbiased	1.05	1.0497	-0.0003
28	3	LDR Unbiased	1.0528	1.0529	0.0001
29	3	LDR Unbiased	1.048	1.0484	0.0004
30	3	LDR Unbiased	1.0606	1.0615	0.0009
31	10	LDR Unbiased	1.0563	1.0572	0.0009
32	10	LDR Unbiased	1.0465	1.0467	0.0002
33	10	LDR Unbiased	1.0519	1.0515	-0.0004
34	10	LDR Unbiased	1.0473	1.0474	0.0001
35	10	LDR Unbiased	1.0475	1.0468	-0.0007
36	30	LDR Unbiased	1.0397	1.0401	0.0004
37	30	LDR Unbiased	1.0488	1.0482	-0.0006
38	30	LDR Unbiased	1.0453	1.0457	0.0004
39	30	LDR Unbiased	1.0411	1.0407	-0.0004
40	30	LDR Unbiased	1.0604	1.0616	0.0012
41	50	LDR Unbiased	1.0495	1.05	0.0005
42	50	LDR Unbiased	1.0426	1.0433	0.0007
43	50	LDR Unbiased	1.044	1.0429	-0.0011
44	50	LDR Unbiased	1.0431	1.0423	-0.0008
45	50	LDR Unbiased	1.0452	1.0455	0.0003
46	100	LDR Unbiased	1.0505	1.0496	-0.0009
47	100	LDR Unbiased	1.0458	1.0456	-0.0002
48	100	LDR Unbiased	1.041	1.0397	-0.0013
49	100	LDR Unbiased	1.0423	1.0417	-0.0006
50	100	LDR Unbiased	1.0412	1.0426	0.0014
60	0	Correlation	1.0479	1.0481	0.0002
61	0	Correlation	1.052	1.052	0
62	0	Correlation	1.0491	1.0489	-0.0002
63	0	Correlation	1.0495	1.05	0.0005
64	0	Correlation	1.0523	1.0524	0.0001
65	0	Correlation	1.0589	1.0589	0

Test Statistics ()

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	1.0479	1.0516	1.0589	0.003957	1.0481	1.0517	1.0589	0.0039015	-0.0002	0.0001	0.0005	0.00023664
3	1.0357	1.0497	1.0609	0.0089075	1.0347	1.0497	1.0615	0.0092244	-0.001	-3e-05	0.0009	0.00051651
10	1.0426	1.0486	1.0563	0.0038243	1.0427	1.0485	1.0572	0.004017	-0.0009	-0.00014	0.0009	0.00053166
30	1.0397	1.0478	1.0604	0.0067307	1.0401	1.0474	1.0616	0.0067496	-0.0029	-0.00034	0.0017	0.001331
50	1.0426	1.0476	1.0554	0.0043229	1.0423	1.047	1.0551	0.0041561	-0.0026	-0.00061	0.0007	0.00098596
100	1.0403	1.044	1.0505	0.0030272	1.0375	1.0432	1.0496	0.0032769	-0.0028	-0.00085	0.0014	0.0010957

Device Test: 23.13 _LEAK|MAX/PWRGD/5////@PWRGD_OUTPUT_HIGH_LEAK





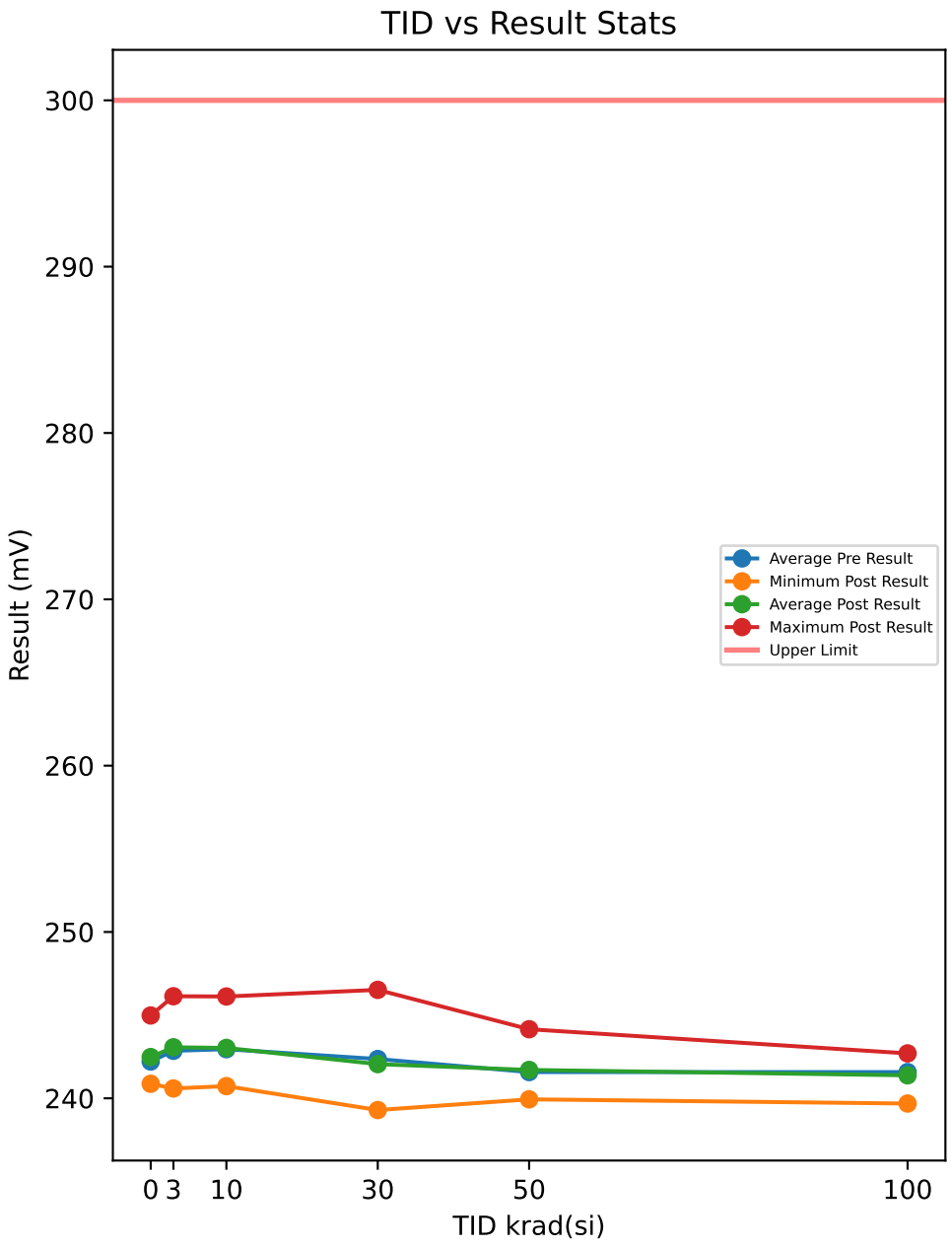
Test Results (Upper Limit = 500.0 (nA))

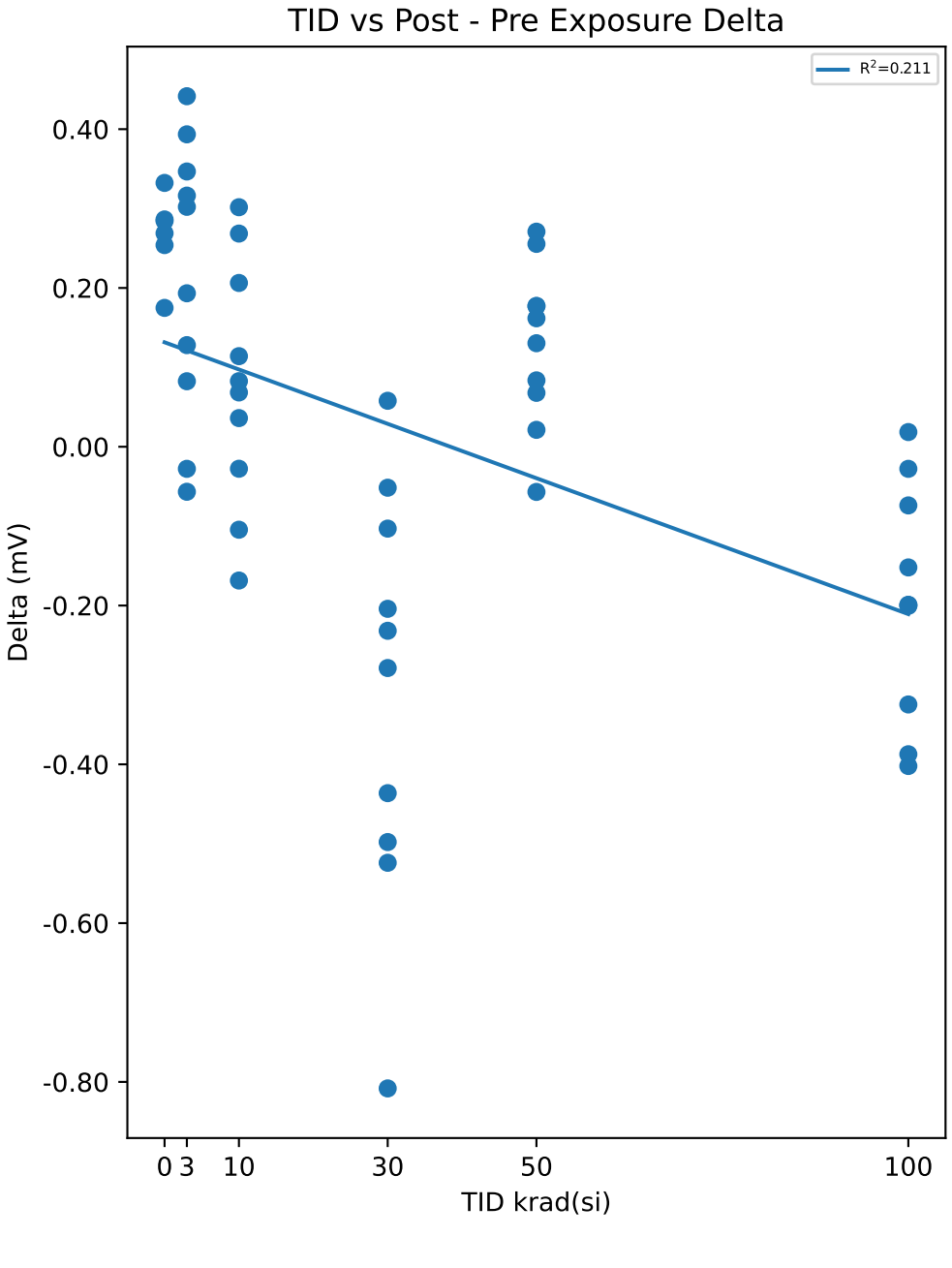
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	LDR Biased	0.7604	0.4179	-0.3425
2	3	LDR Biased	0.4764	0.3586	-0.1178
3	3	LDR Biased	0.6481	0.4648	-0.1833
4	3	LDR Biased	0.6106	0.2805	-0.3301
5	3	LDR Biased	0.62	0.471	-0.149
6	10	LDR Biased	0.7885	0.7334	-0.0551
7	10	LDR Biased	2.549	2.2326	-0.3164
8	10	LDR Biased	0.8072	0.5928	-0.2144
9	10	LDR Biased	0.7948	0.4648	-0.33
10	10	LDR Biased	0.7042	0.3617	-0.3425
11	30	LDR Biased	0.8197	43.454	42.634
12	30	LDR Biased	0.776	1.1048	0.3288
13	30	LDR Biased	0.7542	1.2017	0.4475
14	30	LDR Biased	0.62	1.1705	0.5505
15	30	LDR Biased	0.6512	1.1142	0.463
16	50	LDR Biased	1.0819	1.6023	0.5204
17	50	LDR Biased	0.7417	1.0532	0.3115
18	50	LDR Biased	0.7167	1.0875	0.3708
19	50	LDR Biased	0.8166	1.2404	0.4238
20	50	LDR Biased	0.7011	1.1936	0.4925
21	100	LDR Biased	0.8385	1.5923	0.7538
22	100	LDR Biased	0.6699	1.3237	0.6538
23	100	LDR Biased	0.9945	1.3549	0.3604
24	100	LDR Biased	0.8509	1.1019	0.251
25	100	LDR Biased	0.7198	1.3331	0.6133
26	3	LDR Unbiased	0.7635	0.4429	-0.3206
27	3	LDR Unbiased	0.8728	0.6428	-0.23
28	3	LDR Unbiased	0.7854	0.5241	-0.2613
29	3	LDR Unbiased	0.9727	0.7209	-0.2518
30	3	LDR Unbiased	0.8822	0.6366	-0.2456
31	10	LDR Unbiased	0.6512	0.4242	-0.227
32	10	LDR Unbiased	0.8572	0.5085	-0.3487
33	10	LDR Unbiased	0.7355	0.4367	-0.2988
34	10	LDR Unbiased	0.6044	0.318	-0.2864
35	10	LDR Unbiased	0.7198	0.4429	-0.2769
36	30	LDR Unbiased	0.7667	1.2799	0.5132
37	30	LDR Unbiased	0.8697	1.1861	0.3164
38	30	LDR Unbiased	0.9383	1.2205	0.2822
39	30	LDR Unbiased	0.6324	1.2705	0.6381
40	30	LDR Unbiased	0.6449	1.2299	0.585
41	50	LDR Unbiased	0.6699	1.3059	0.636
42	50	LDR Unbiased	0.9696	1.4837	0.5141
43	50	LDR Unbiased	0.7542	1.2716	0.5174
44	50	LDR Unbiased	0.7074	1.2778	0.5704
45	50	LDR Unbiased	0.723	1.2466	0.5236
46	100	LDR Unbiased	0.826	1.1144	0.2884
47	100	LDR Unbiased	0.8197	1.4236	0.6039
48	100	LDR Unbiased	0.7011	1.1863	0.4852
49	100	LDR Unbiased	0.7198	1.3924	0.6726
50	100	LDR Unbiased	0.7355	1.4361	0.7006
60	0	Correlation	0.7448	0.5085	-0.2363
61	0	Correlation	0.826	0.4835	-0.3425
62	0	Correlation	0.7979	0.5491	-0.2488
63	0	Correlation	0.8822	0.5085	-0.3737
64	0	Correlation	0.5201	0.4304	-0.0897
65	0	Correlation	0.7511	0.4336	-0.3175

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	0.5201	0.75368	0.8822	0.12518	0.4304	0.4856	0.5491	0.046554	-0.3737	-0.26808	-0.0897	0.10231
3	0.4764	0.73921	0.9727	0.15059	0.2805	0.49601	0.7209	0.13684	-0.3425	-0.2432	-0.1178	0.076137
10	0.6044	0.92118	2.549	0.57695	0.318	0.65156	2.2326	0.56783	-0.3487	-0.26962	-0.0551	0.087857
30	0.62	0.74731	0.9383	0.10908	1.1048	5.4232	43.454	13.363	0.2822	4.6759	42.634	13.338
50	0.6699	0.78821	1.0819	0.13365	1.0532	1.2763	1.6023	0.16486	0.3115	0.48805	0.636	0.095211
100	0.6699	0.78757	0.9945	0.09727	1.1019	1.3259	1.5923	0.15361	0.251	0.5383	0.7538	0.1806

Device Test: 23.14 _VOL|2mA/PWRGD/5////@PWRGD_OUTPUT_LOW





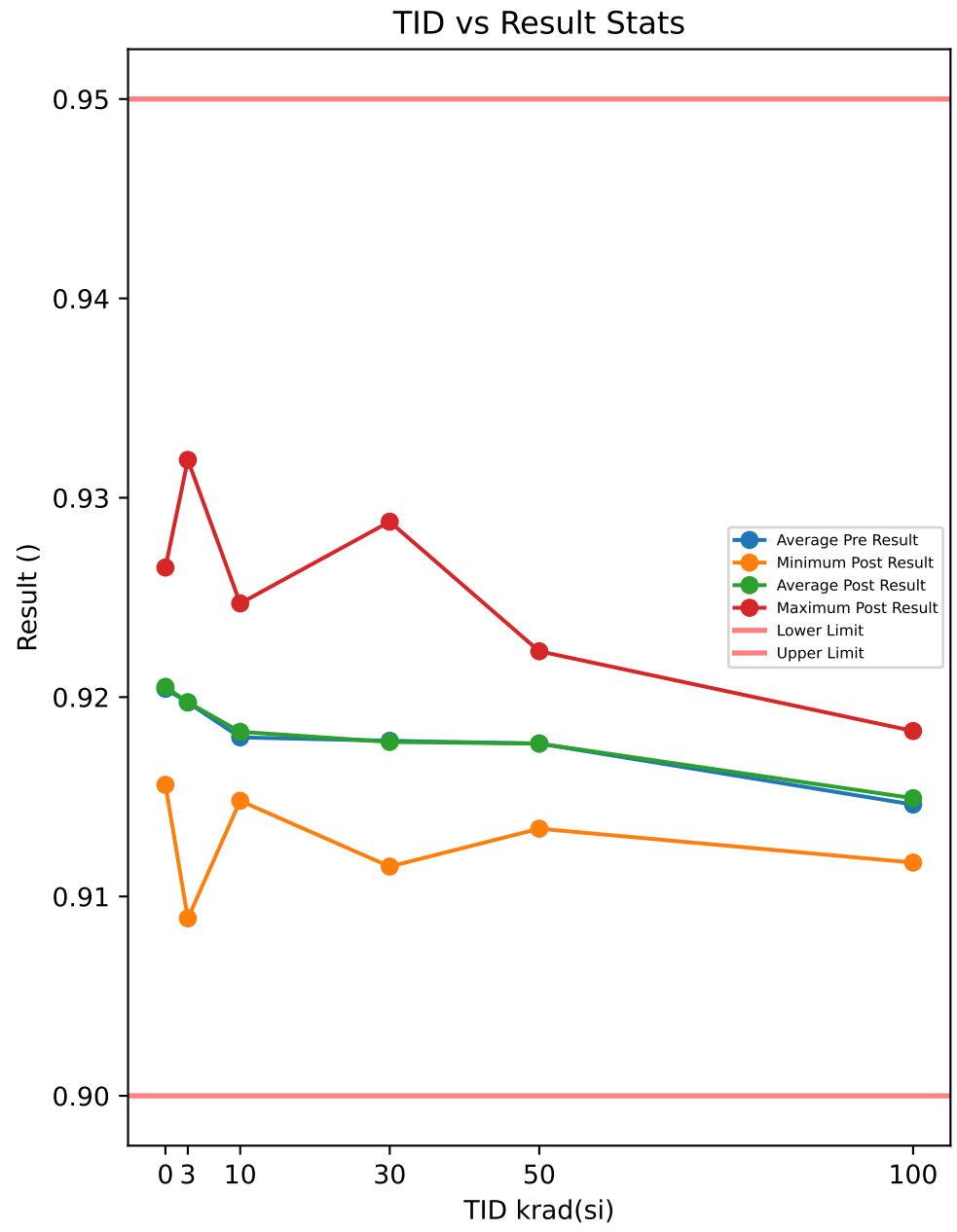
Test Results (Upper Limit = 300.0 (mV))

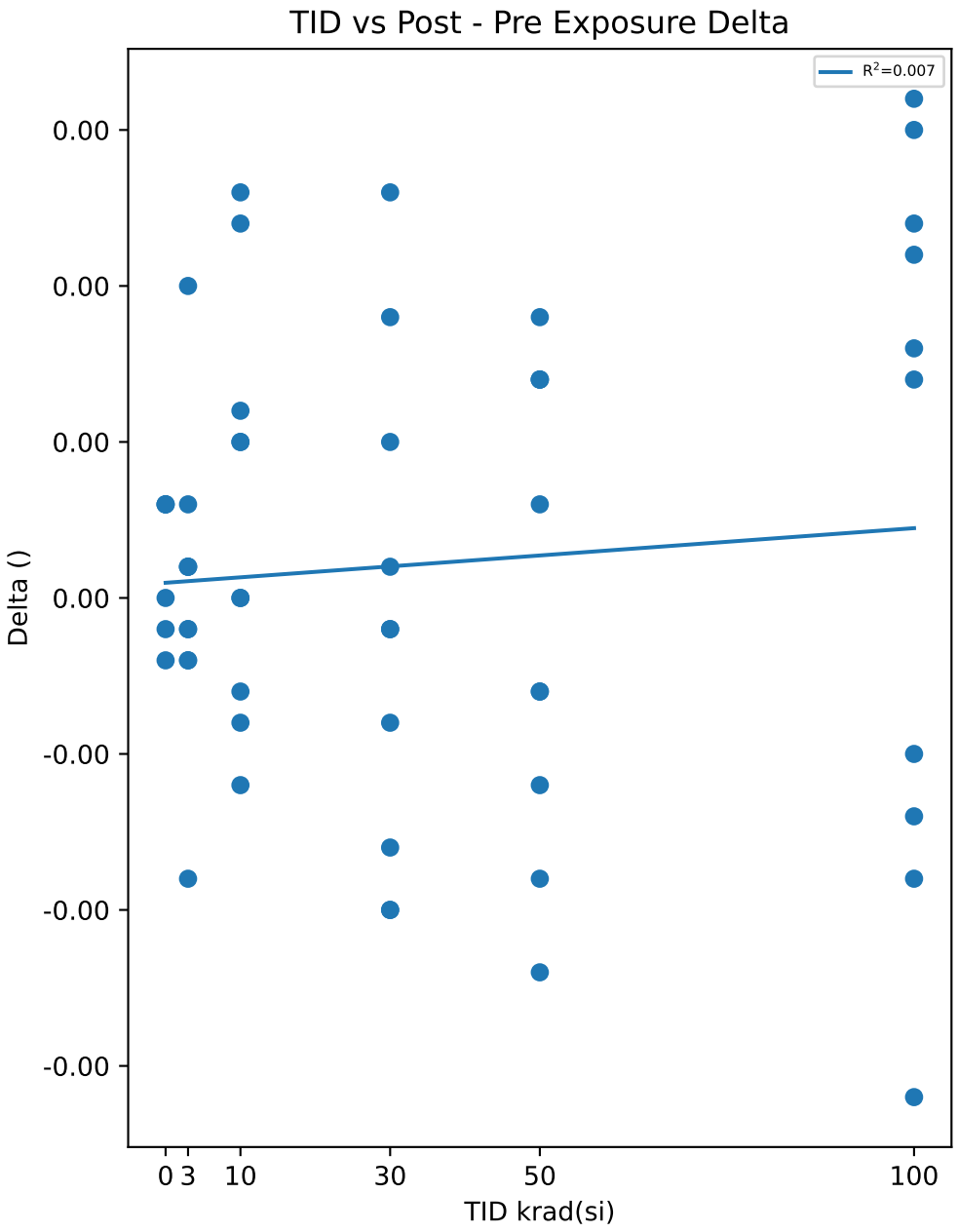
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	LDR Biased	240.46	240.59	0.128
2	3	LDR Biased	245.85	245.79	-0.0567
3	3	LDR Biased	243.26	243.34	0.0825
4	3	LDR Biased	241.32	241.29	-0.0278
5	3	LDR Biased	240.71	241.06	0.3467
6	10	LDR Biased	246.05	246.12	0.0684
7	10	LDR Biased	241.17	241	-0.1685
8	10	LDR Biased	241.37	241.34	-0.0277
9	10	LDR Biased	244.1	244	-0.1045
10	10	LDR Biased	243.3	243.39	0.0826
11	30	LDR Biased	242.99	242.47	-0.524
12	30	LDR Biased	241.59	240.78	-0.8082
13	30	LDR Biased	240.23	239.73	-0.4979
14	30	LDR Biased	239.73	239.29	-0.4363
15	30	LDR Biased	240.39	240.15	-0.2318
16	50	LDR Biased	241.15	241.09	-0.0569
17	50	LDR Biased	242.65	242.73	0.0836
18	50	LDR Biased	241.1	241.23	0.1304
19	50	LDR Biased	242.54	242.81	0.2709
20	50	LDR Biased	239.92	239.94	0.0213
21	100	LDR Biased	242.46	242.06	-0.4021
22	100	LDR Biased	241.21	240.89	-0.3246
23	100	LDR Biased	240.2	240.22	0.0185
24	100	LDR Biased	242.85	242.7	-0.152
25	100	LDR Biased	242.15	241.95	-0.1992
26	3	LDR Unbiased	240.68	241.08	0.3935
27	3	LDR Unbiased	245.3	245.61	0.3022
28	3	LDR Unbiased	242.84	243.28	0.4415
29	3	LDR Unbiased	245.94	246.14	0.1933
30	3	LDR Unbiased	242.18	242.5	0.3163
31	10	LDR Unbiased	244.05	244.09	0.0361
32	10	LDR Unbiased	240.93	241.14	0.2063
33	10	LDR Unbiased	243.88	244	0.1141
34	10	LDR Unbiased	244.19	244.5	0.3017
35	10	LDR Unbiased	240.46	240.73	0.2685
36	30	LDR Unbiased	246.72	246.52	-0.2041
37	30	LDR Unbiased	240.39	240.11	-0.2787
38	30	LDR Unbiased	242.21	242.11	-0.1031
39	30	LDR Unbiased	244.68	244.63	-0.0516
40	30	LDR Unbiased	244.69	244.75	0.0579
41	50	LDR Unbiased	239.9	240.06	0.1618
42	50	LDR Unbiased	244.09	244.15	0.0679
43	50	LDR Unbiased	241.9	242.08	0.1773
44	50	LDR Unbiased	239.79	240.05	0.2555
45	50	LDR Unbiased	242.73	242.9	0.1772
46	100	LDR Unbiased	242.18	241.98	-0.1992
47	100	LDR Unbiased	242.77	242.7	-0.0739
48	100	LDR Unbiased	240.85	240.47	-0.3873
49	100	LDR Unbiased	241.2	241.17	-0.0278
50	100	LDR Unbiased	239.89	239.69	-0.2004
60	0	Correlation	240.7	240.87	0.1749
61	0	Correlation	242.68	242.93	0.254
62	0	Correlation	242.93	243.26	0.3323
63	0	Correlation	240.96	241.25	0.2843
64	0	Correlation	244.69	244.98	0.2863
65	0	Correlation	241.31	241.58	0.2689

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	240.7	242.21	244.69	1.5211	240.87	242.48	244.98	1.5487	0.1749	0.26678	0.3323	0.052136
3	240.46	242.86	245.94	2.1728	240.59	243.07	246.14	2.1344	-0.0567	0.21195	0.4415	0.17533
10	240.46	242.95	246.05	1.8454	240.73	243.03	246.12	1.8458	-0.1685	0.0777	0.3017	0.15319
30	239.73	242.36	246.72	2.3603	239.29	242.05	246.52	2.4957	-0.8082	-0.30778	0.0579	0.26001
50	239.79	241.58	244.09	1.451	239.94	241.71	244.15	1.4532	-0.0569	0.1289	0.2709	0.1021
100	239.89	241.58	242.85	1.059	239.69	241.38	242.7	1.053	-0.4021	-0.1948	0.0185	0.14406

Device Test: 23.16 _HRESHOLD|FALL/PWRGD/12////@VSENSE_VTH_FALLING_FAULT





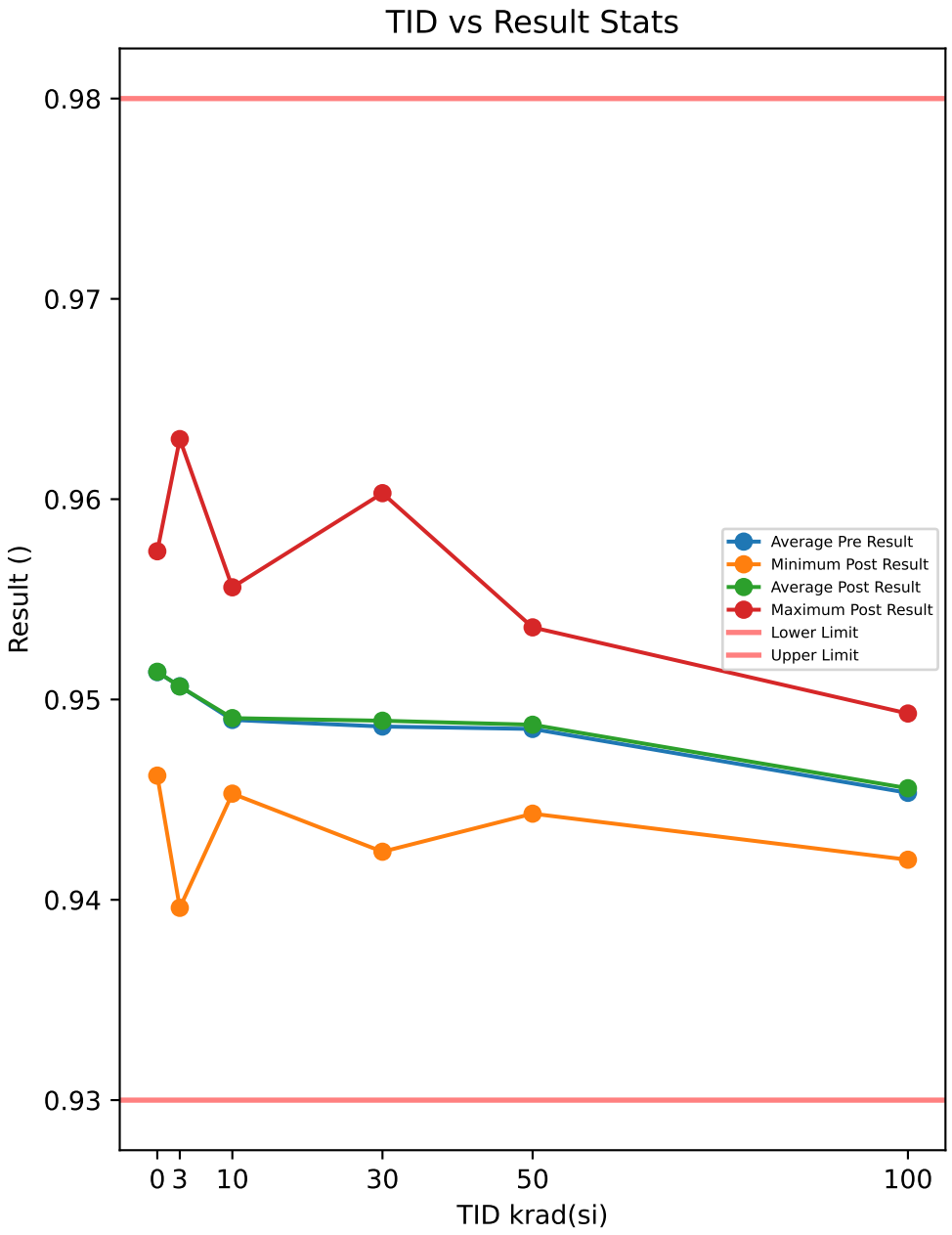
Test Results (Lower Limit = 0.9, Upper Limit = 0.95 ())

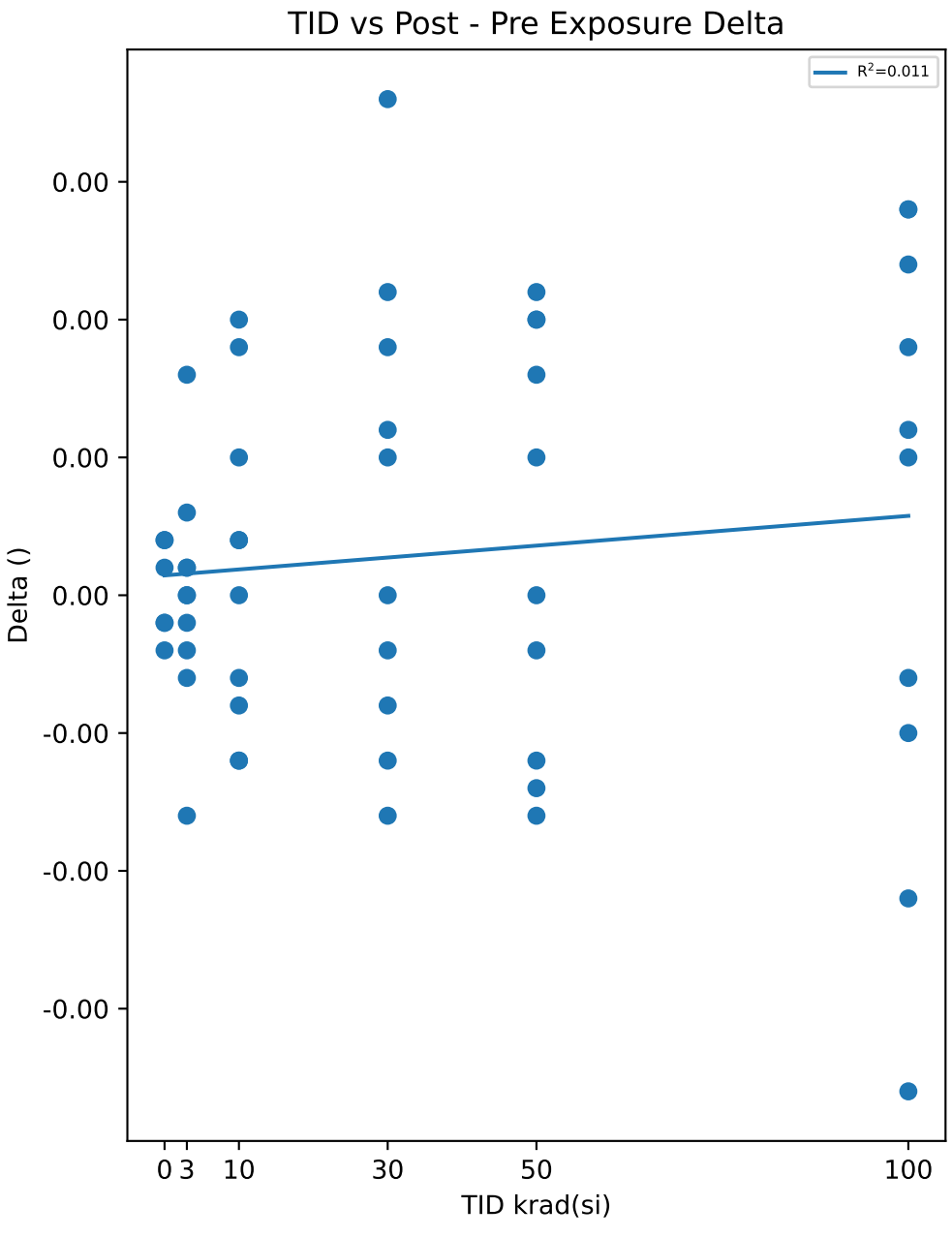
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	LDR Biased	0.9103	0.9106	0.0003
2	3	LDR Biased	0.9098	0.9089	-0.0009
3	3	LDR Biased	0.9156	0.9157	0.0001
4	3	LDR Biased	0.9253	0.9254	0.0001
5	3	LDR Biased	0.9261	0.9259	-0.0002
6	10	LDR Biased	0.9196	0.9193	-0.0003
7	10	LDR Biased	0.9145	0.915	0.0005
8	10	LDR Biased	0.9136	0.9148	0.0012
9	10	LDR Biased	0.917	0.9164	-0.0006
10	10	LDR Biased	0.9205	0.9201	-0.0004
11	30	LDR Biased	0.9207	0.922	0.0013
12	30	LDR Biased	0.9171	0.9176	0.0005
13	30	LDR Biased	0.9122	0.9123	0.0001
14	30	LDR Biased	0.9271	0.9261	-0.001
15	30	LDR Biased	0.9145	0.9144	-0.0001
16	50	LDR Biased	0.9161	0.9168	0.0007
17	50	LDR Biased	0.9223	0.9217	-0.0006
18	50	LDR Biased	0.9216	0.9223	0.0007
19	50	LDR Biased	0.9195	0.9204	0.0009
20	50	LDR Biased	0.9198	0.9189	-0.0009
21	100	LDR Biased	0.9155	0.9171	0.0016
22	100	LDR Biased	0.9137	0.9152	0.0015
23	100	LDR Biased	0.9124	0.9117	-0.0007
24	100	LDR Biased	0.9143	0.9138	-0.0005
25	100	LDR Biased	0.9149	0.9157	0.0008
26	3	LDR Unbiased	0.9211	0.921	-0.0001
27	3	LDR Unbiased	0.919	0.9191	0.0001
28	3	LDR Unbiased	0.9225	0.9223	-0.0002
29	3	LDR Unbiased	0.9167	0.9166	-0.0001
30	3	LDR Unbiased	0.9309	0.9319	0.001
31	10	LDR Unbiased	0.9234	0.9247	0.0013
32	10	LDR Unbiased	0.9159	0.9159	0
33	10	LDR Unbiased	0.9215	0.922	0.0005
34	10	LDR Unbiased	0.9178	0.9184	0.0006
35	10	LDR Unbiased	0.916	0.916	0
36	30	LDR Unbiased	0.9107	0.9116	0.0009
37	30	LDR Unbiased	0.9159	0.9155	-0.0004
38	30	LDR Unbiased	0.9187	0.9177	-0.001
39	30	LDR Unbiased	0.9123	0.9115	-0.0008
40	30	LDR Unbiased	0.9289	0.9288	-0.0001
41	50	LDR Unbiased	0.9166	0.9154	-0.0012
42	50	LDR Unbiased	0.9127	0.9134	0.0007
43	50	LDR Unbiased	0.9166	0.9169	0.0003
44	50	LDR Unbiased	0.9152	0.9149	-0.0003
45	50	LDR Unbiased	0.9163	0.916	-0.0003
46	100	LDR Unbiased	0.9192	0.9183	-0.0009
47	100	LDR Unbiased	0.9164	0.9176	0.0012
48	100	LDR Unbiased	0.9133	0.9117	-0.0016
49	100	LDR Unbiased	0.9145	0.9152	0.0007
50	100	LDR Unbiased	0.9119	0.913	0.0011
60	0	Correlation	0.9206	0.9204	-0.0002
61	0	Correlation	0.9193	0.9193	0
62	0	Correlation	0.9181	0.918	-0.0001
63	0	Correlation	0.9153	0.9156	0.0003
64	0	Correlation	0.923	0.9233	0.0003
65	0	Correlation	0.9262	0.9265	0.0003

Test Statistics ()

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	0.9153	0.92042	0.9262	0.0038196	0.9156	0.92052	0.9265	0.0038871	-0.0002	0.0001	0.0003	0.00022804
3	0.9098	0.91973	0.9309	0.0068331	0.9089	0.91974	0.9319	0.0070995	-0.0009	1e-05	0.001	0.00047481
10	0.9136	0.91798	0.9234	0.0031846	0.9148	0.91826	0.9247	0.0032776	-0.0006	0.00028	0.0013	0.00065115
30	0.9107	0.91781	0.9289	0.0061997	0.9115	0.91775	0.9288	0.0060808	-0.001	-6e-05	0.0013	0.00078486
50	0.9127	0.91767	0.9223	0.0030222	0.9134	0.91767	0.9223	0.0030155	-0.0012	2.2204e-17	0.0009	0.00075719
100	0.9119	0.91461	0.9192	0.0021089	0.9117	0.91493	0.9183	0.0023523	-0.0016	0.00032	0.0016	0.001139

Device Test: 23.17 _HRESHOLD|RISE/PWRGD/12////@VSENSE_VTH_RISING_GOOD





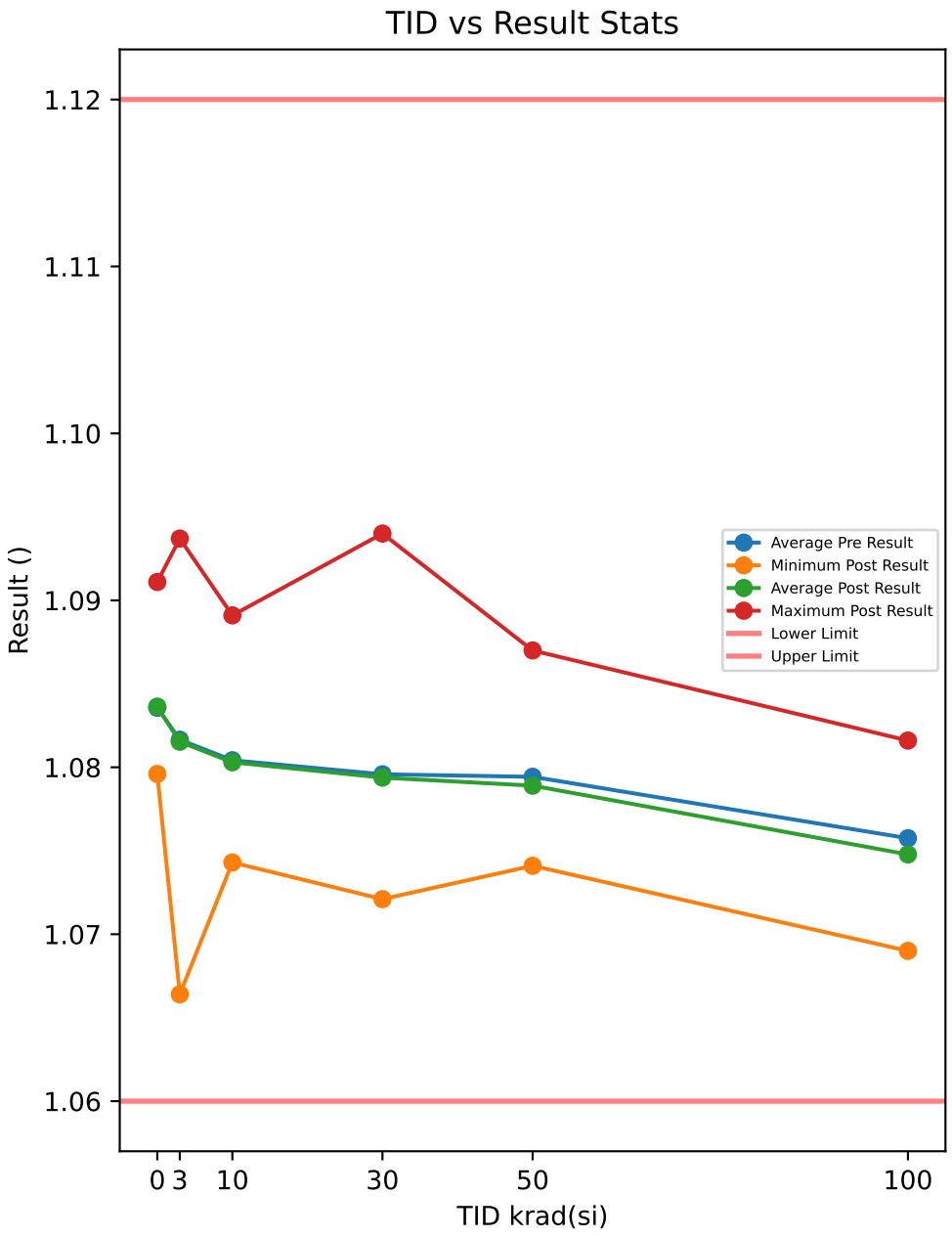
Test Results (Lower Limit = 0.93, Upper Limit = 0.98 ())

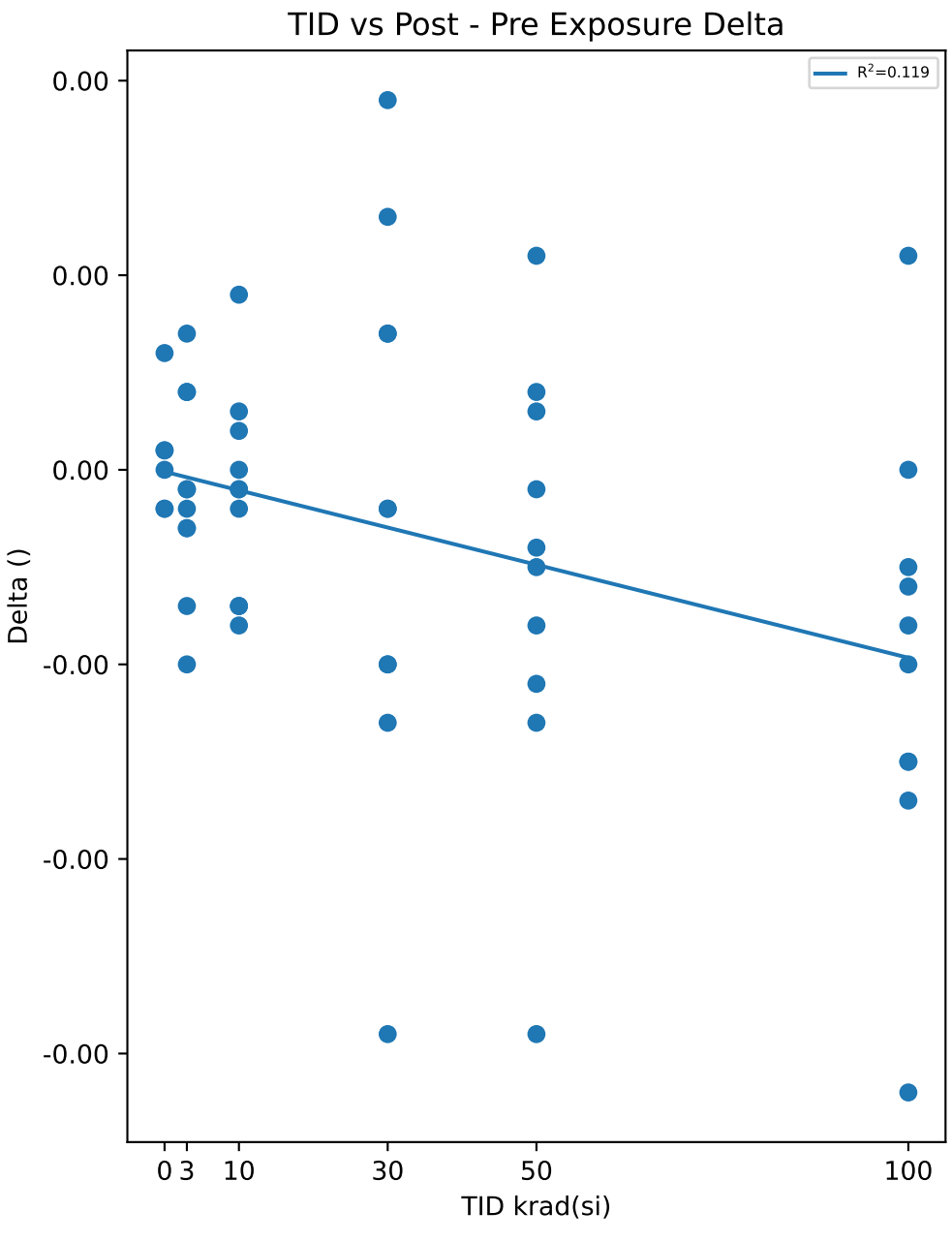
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	LDR Biased	0.9409	0.9408	-0.0001
2	3	LDR Biased	0.9404	0.9396	-0.0008
3	3	LDR Biased	0.9465	0.9465	0
4	3	LDR Biased	0.9564	0.9565	0.0001
5	3	LDR Biased	0.9571	0.9569	-0.0002
6	10	LDR Biased	0.9507	0.9501	-0.0006
7	10	LDR Biased	0.9453	0.9458	0.0005
8	10	LDR Biased	0.9444	0.9453	0.0009
9	10	LDR Biased	0.9481	0.9475	-0.0006
10	10	LDR Biased	0.9516	0.9512	-0.0004
11	30	LDR Biased	0.9517	0.9535	0.0018
12	30	LDR Biased	0.948	0.9489	0.0009
13	30	LDR Biased	0.9427	0.9432	0.0005
14	30	LDR Biased	0.958	0.9572	-0.0008
15	30	LDR Biased	0.9456	0.9456	0
16	50	LDR Biased	0.9469	0.9474	0.0005
17	50	LDR Biased	0.9534	0.9527	-0.0007
18	50	LDR Biased	0.9525	0.9536	0.0011
19	50	LDR Biased	0.9506	0.9516	0.001
20	50	LDR Biased	0.9506	0.95	-0.0006
21	100	LDR Biased	0.9461	0.9475	0.0014
22	100	LDR Biased	0.9449	0.9454	0.0005
23	100	LDR Biased	0.9431	0.942	-0.0011
24	100	LDR Biased	0.9452	0.9449	-0.0003
25	100	LDR Biased	0.9456	0.9462	0.0006
26	3	LDR Unbiased	0.9519	0.9519	0
27	3	LDR Unbiased	0.9501	0.9504	0.0003
28	3	LDR Unbiased	0.9535	0.9532	-0.0003
29	3	LDR Unbiased	0.9476	0.9477	0.0001
30	3	LDR Unbiased	0.9622	0.963	0.0008
31	10	LDR Unbiased	0.9546	0.9556	0.001
32	10	LDR Unbiased	0.9468	0.9465	-0.0003
33	10	LDR Unbiased	0.9525	0.9527	0.0002
34	10	LDR Unbiased	0.9489	0.9491	0.0002
35	10	LDR Unbiased	0.9469	0.9469	0
36	30	LDR Unbiased	0.9413	0.9424	0.0011
37	30	LDR Unbiased	0.947	0.9468	-0.0002
38	30	LDR Unbiased	0.9494	0.949	-0.0004
39	30	LDR Unbiased	0.9431	0.9425	-0.0006
40	30	LDR Unbiased	0.9597	0.9603	0.0006
41	50	LDR Unbiased	0.9475	0.9467	-0.0008
42	50	LDR Unbiased	0.9433	0.9443	0.001
43	50	LDR Unbiased	0.9473	0.9481	0.0008
44	50	LDR Unbiased	0.946	0.9458	-0.0002
45	50	LDR Unbiased	0.9472	0.9472	0
46	100	LDR Unbiased	0.9498	0.9493	-0.0005
47	100	LDR Unbiased	0.947	0.9482	0.0012
48	100	LDR Unbiased	0.9442	0.9424	-0.0018
49	100	LDR Unbiased	0.9452	0.9461	0.0009
50	100	LDR Unbiased	0.9423	0.9437	0.0014
60	0	Correlation	0.9514	0.9516	0.0002
61	0	Correlation	0.9501	0.9503	0.0002
62	0	Correlation	0.949	0.9488	-0.0002
63	0	Correlation	0.9461	0.9462	0.0001
64	0	Correlation	0.9541	0.954	-0.0001
65	0	Correlation	0.9575	0.9574	-0.0001

Test Statistics ()

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	0.9461	0.95137	0.9575	0.0040008	0.9462	0.95138	0.9574	0.0039448	-0.0002	1.6667e-05	0.0002	0.00017224
3	0.9404	0.95066	0.9622	0.0070293	0.9396	0.95065	0.963	0.0072952	-0.0008	-1e-05	0.0008	0.00041218
10	0.9444	0.94898	0.9546	0.0033028	0.9453	0.94907	0.9556	0.003335	-0.0006	9e-05	0.001	0.00058013
30	0.9413	0.94865	0.9597	0.0062545	0.9424	0.94894	0.9603	0.006245	-0.0008	0.00029	0.0018	0.00083193
50	0.9433	0.94853	0.9534	0.0031411	0.9443	0.94874	0.9536	0.0030942	-0.0008	0.00021	0.0011	0.00075931
100	0.9423	0.94534	0.9498	0.0020839	0.942	0.94557	0.9493	0.0024037	-0.0018	0.00023	0.0014	0.0011076

Device Test: 23.18 _HRESHOLD|RISE/PWRGD/12////@VSENSE_VTH_RISING_FAULT





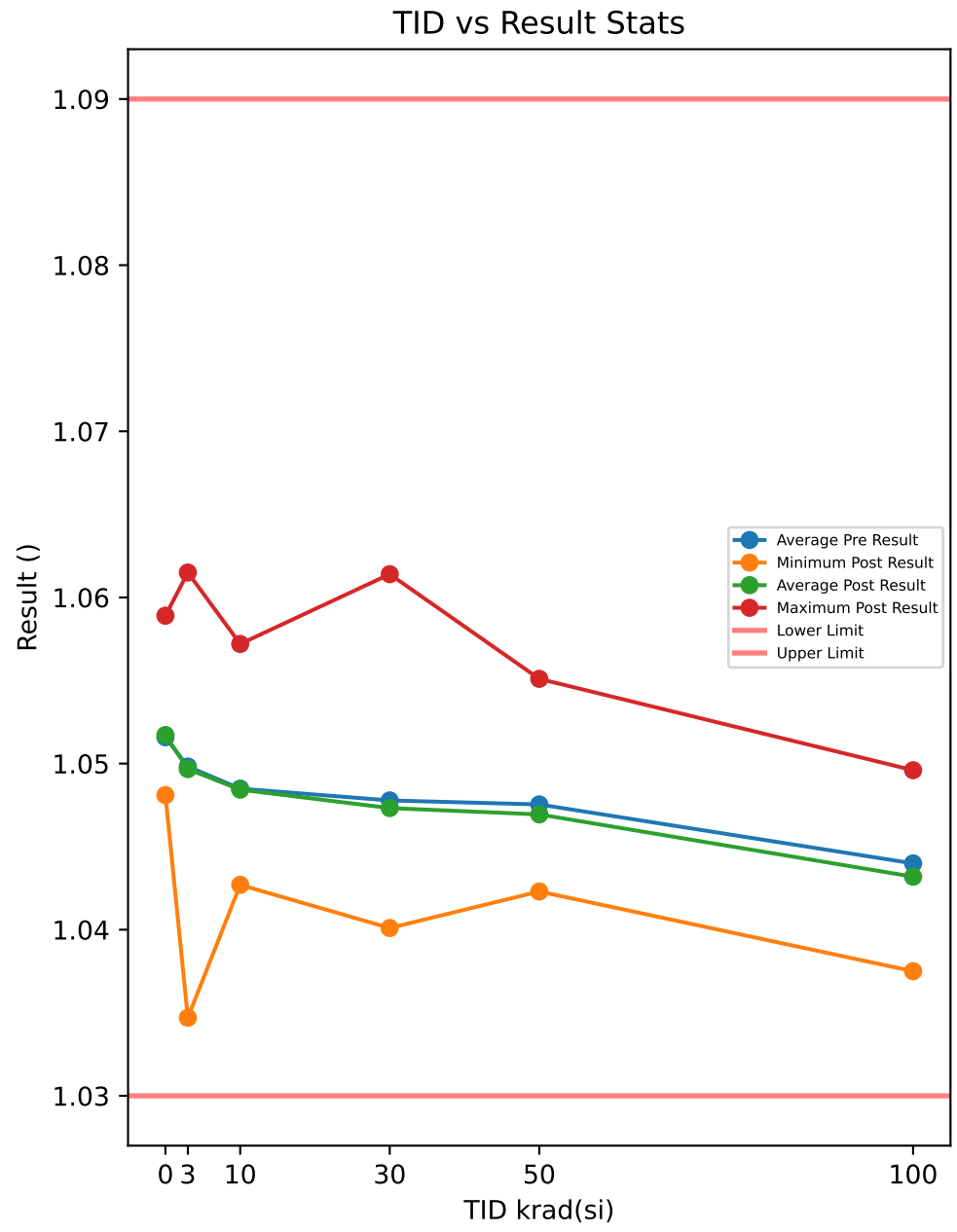
Test Results (Lower Limit = 1.06, Upper Limit = 1.12 ())

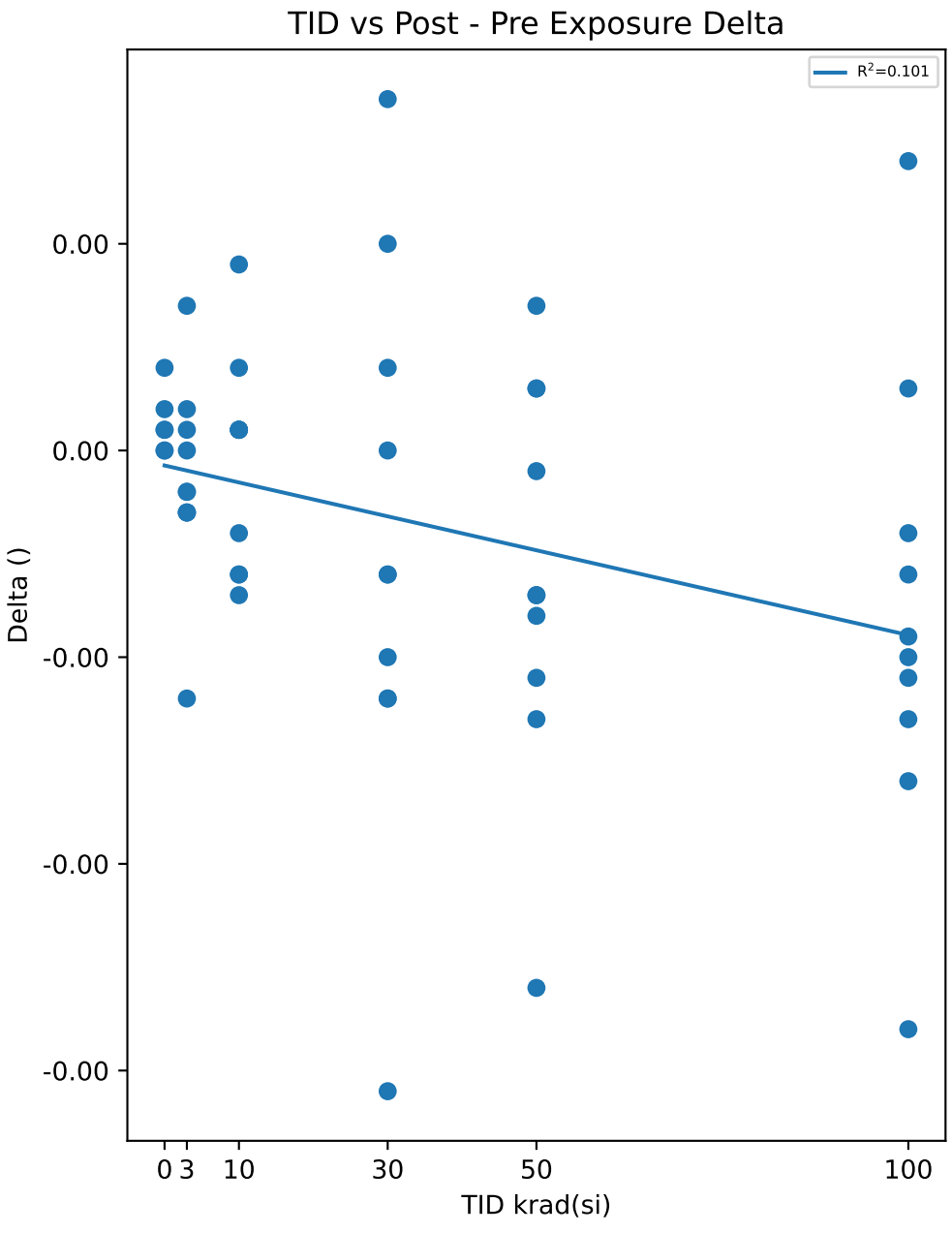
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	LDR Biased	1.0679	1.0672	-0.0007
2	3	LDR Biased	1.0674	1.0664	-0.001
3	3	LDR Biased	1.0761	1.0759	-0.0002
4	3	LDR Biased	1.089	1.0887	-0.0003
5	3	LDR Biased	1.0932	1.0929	-0.0003
6	10	LDR Biased	1.0802	1.0795	-0.0007
7	10	LDR Biased	1.0743	1.0743	0
8	10	LDR Biased	1.0787	1.0786	-0.0001
9	10	LDR Biased	1.0787	1.0779	-0.0008
10	10	LDR Biased	1.0837	1.0836	-0.0001
11	30	LDR Biased	1.0808	1.0827	0.0019
12	30	LDR Biased	1.0792	1.0782	-0.001
13	30	LDR Biased	1.0749	1.0736	-0.0013
14	30	LDR Biased	1.0899	1.087	-0.0029
15	30	LDR Biased	1.0768	1.0758	-0.001
16	50	LDR Biased	1.0761	1.0756	-0.0005
17	50	LDR Biased	1.0827	1.0798	-0.0029
18	50	LDR Biased	1.0871	1.087	-0.0001
19	50	LDR Biased	1.081	1.0806	-0.0004
20	50	LDR Biased	1.0834	1.0826	-0.0008
21	100	LDR Biased	1.0775	1.0758	-0.0017
22	100	LDR Biased	1.0764	1.0758	-0.0006
23	100	LDR Biased	1.0722	1.069	-0.0032
24	100	LDR Biased	1.0759	1.0744	-0.0015
25	100	LDR Biased	1.0761	1.0753	-0.0008
26	3	LDR Unbiased	1.0836	1.084	0.0004
27	3	LDR Unbiased	1.0817	1.0816	-0.0001
28	3	LDR Unbiased	1.0849	1.0848	-0.0001
29	3	LDR Unbiased	1.0797	1.0801	0.0004
30	3	LDR Unbiased	1.093	1.0937	0.0007
31	10	LDR Unbiased	1.0882	1.0891	0.0009
32	10	LDR Unbiased	1.0784	1.0786	0.0002
33	10	LDR Unbiased	1.084	1.0838	-0.0002
34	10	LDR Unbiased	1.0788	1.0791	0.0003
35	10	LDR Unbiased	1.0792	1.0785	-0.0007
36	30	LDR Unbiased	1.0714	1.0721	0.0007
37	30	LDR Unbiased	1.0805	1.0803	-0.0002
38	30	LDR Unbiased	1.0768	1.0775	0.0007
39	30	LDR Unbiased	1.0728	1.0726	-0.0002
40	30	LDR Unbiased	1.0927	1.094	0.0013
41	50	LDR Unbiased	1.0816	1.0819	0.0003
42	50	LDR Unbiased	1.0739	1.075	0.0011
43	50	LDR Unbiased	1.0762	1.0749	-0.0013
44	50	LDR Unbiased	1.0752	1.0741	-0.0011
45	50	LDR Unbiased	1.0771	1.0775	0.0004
46	100	LDR Unbiased	1.0826	1.0816	-0.001
47	100	LDR Unbiased	1.0775	1.0775	0
48	100	LDR Unbiased	1.0727	1.0712	-0.0015
49	100	LDR Unbiased	1.074	1.0735	-0.0005
50	100	LDR Unbiased	1.0726	1.0737	0.0011
60	0	Correlation	1.0796	1.0796	0
61	0	Correlation	1.0843	1.0841	-0.0002
62	0	Correlation	1.0808	1.0806	-0.0002
63	0	Correlation	1.0815	1.0821	0.0006
64	0	Correlation	1.0842	1.0843	0.0001
65	0	Correlation	1.091	1.0911	0.0001

Test Statistics ()

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	1.0796	1.0836	1.091	0.0040952	1.0796	1.0836	1.0911	0.0041045	-0.0002	6.6667e-05	0.0006	0.00029439
3	1.0674	1.0817	1.0932	0.0091733	1.0664	1.0815	1.0937	0.0095079	-0.001	-0.00012	0.0007	0.00051597
10	1.0743	1.0804	1.0882	0.0038832	1.0743	1.0803	1.0891	0.004129	-0.0008	-0.00012	0.0009	0.00052451
30	1.0714	1.0796	1.0927	0.006923	1.0721	1.0794	1.094	0.0069426	-0.0029	-0.0002	0.0019	0.0014166
50	1.0739	1.0794	1.0871	0.004319	1.0741	1.0789	1.087	0.0042045	-0.0029	-0.00053	0.0011	0.0011066
100	1.0722	1.0757	1.0826	0.0031359	1.069	1.0748	1.0816	0.0034227	-0.0032	-0.00097	0.0011	0.0011392

Device Test: 23.19 _HRESHOLD|FALL/PWRGD/12////@VSENSE_VTH_FALLING_GOOD





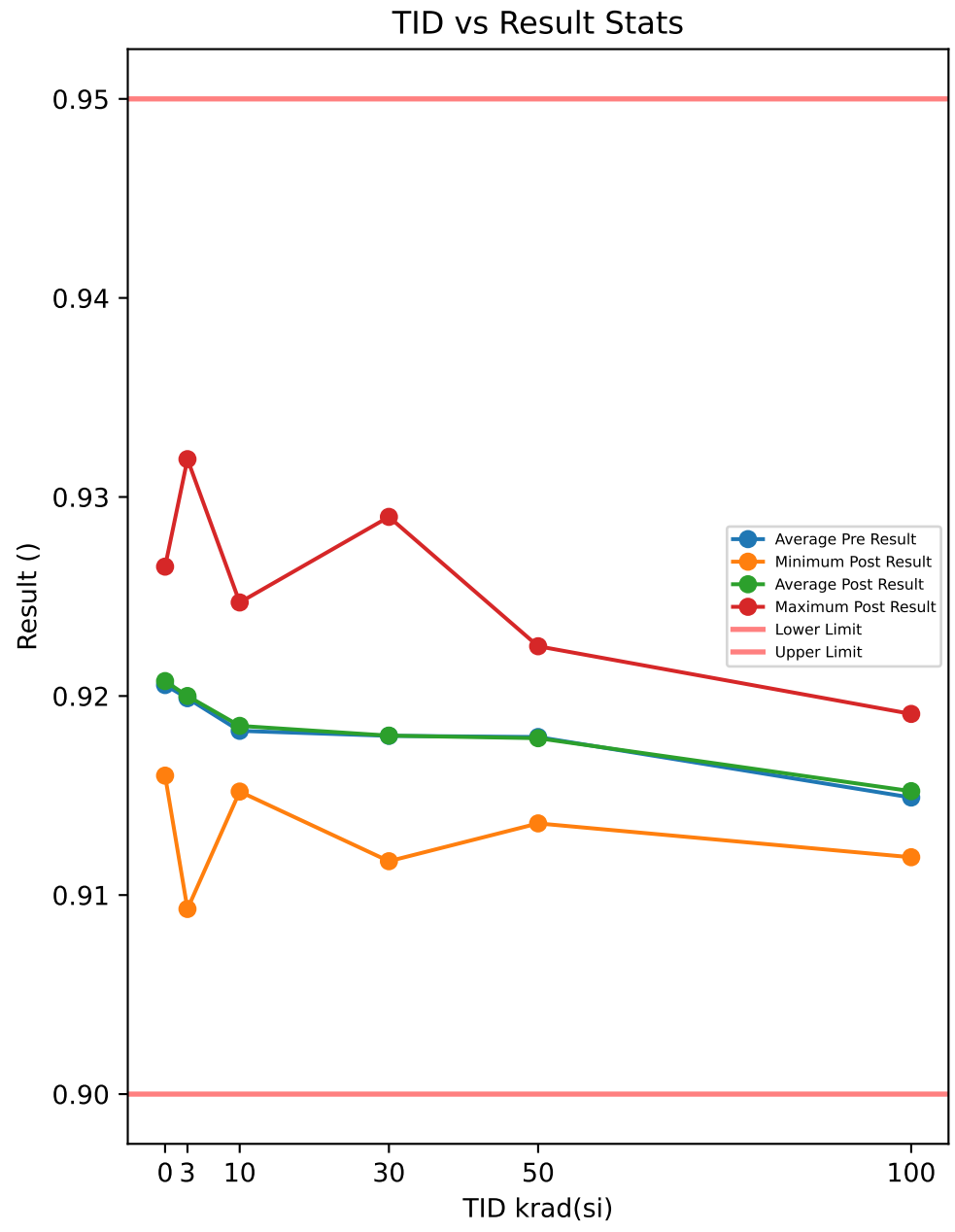
Test Results (Lower Limit = 1.03, Upper Limit = 1.09 ())

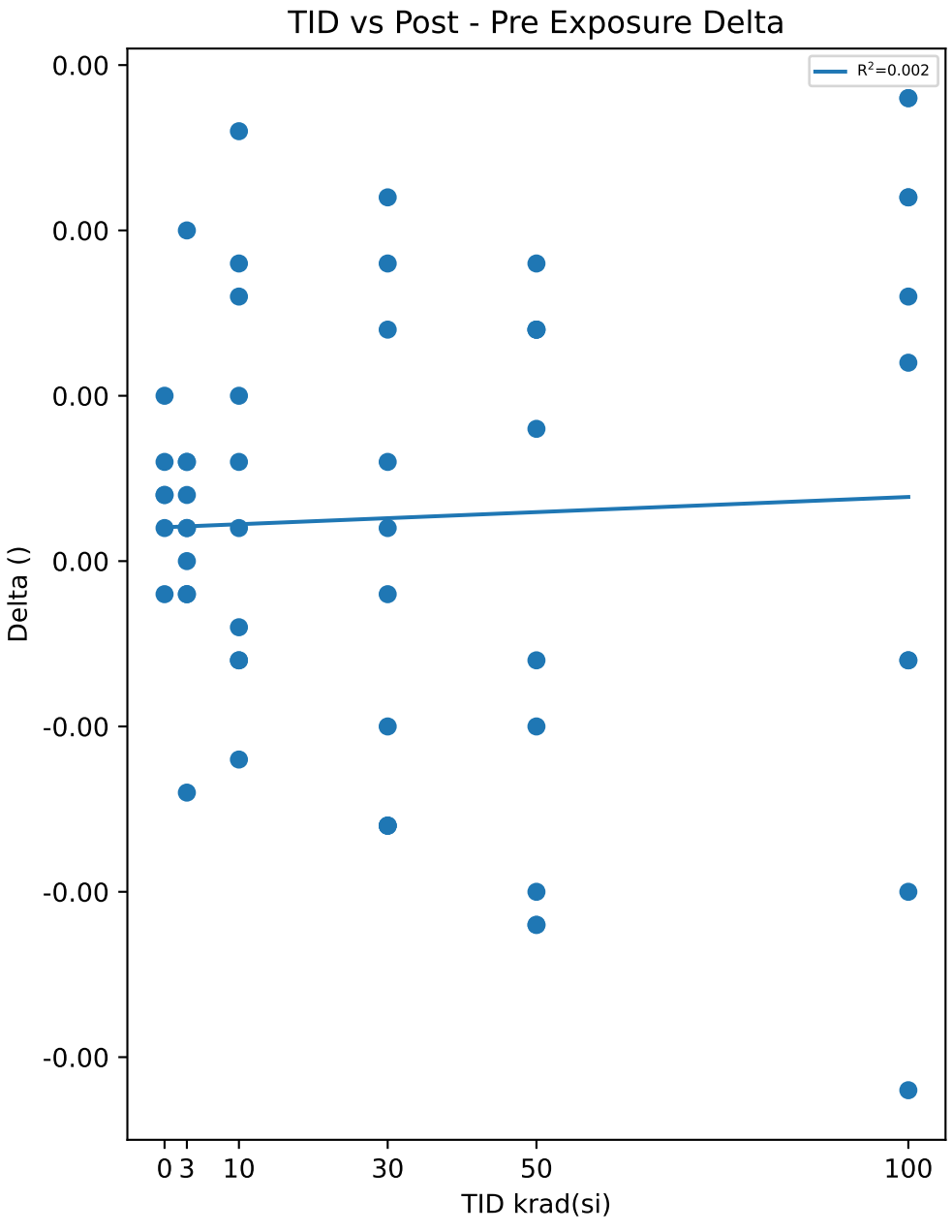
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	LDR Biased	1.0362	1.036	-0.0002
2	3	LDR Biased	1.0359	1.0347	-0.0012
3	3	LDR Biased	1.0446	1.0444	-0.0002
4	3	LDR Biased	1.0569	1.0566	-0.0003
5	3	LDR Biased	1.0609	1.0606	-0.0003
6	10	LDR Biased	1.0483	1.0476	-0.0007
7	10	LDR Biased	1.0426	1.0427	0.0001
8	10	LDR Biased	1.0466	1.0467	0.0001
9	10	LDR Biased	1.0468	1.0462	-0.0006
10	10	LDR Biased	1.0516	1.0517	0.0001
11	30	LDR Biased	1.0489	1.0506	0.0017
12	30	LDR Biased	1.0475	1.0463	-0.0012
13	30	LDR Biased	1.0433	1.0421	-0.0012
14	30	LDR Biased	1.0578	1.0547	-0.0031
15	30	LDR Biased	1.0448	1.0438	-0.001
16	50	LDR Biased	1.0442	1.0435	-0.0007
17	50	LDR Biased	1.0506	1.048	-0.0026
18	50	LDR Biased	1.0552	1.0551	-0.0001
19	50	LDR Biased	1.0493	1.0486	-0.0007
20	50	LDR Biased	1.0515	1.0502	-0.0013
21	100	LDR Biased	1.0456	1.044	-0.0016
22	100	LDR Biased	1.0449	1.0445	-0.0004
23	100	LDR Biased	1.0403	1.0375	-0.0028
24	100	LDR Biased	1.0442	1.0429	-0.0013
25	100	LDR Biased	1.0444	1.0434	-0.001
26	3	LDR Unbiased	1.0519	1.0519	0
27	3	LDR Unbiased	1.05	1.0497	-0.0003
28	3	LDR Unbiased	1.0528	1.0529	0.0001
29	3	LDR Unbiased	1.0482	1.0484	0.0002
30	3	LDR Unbiased	1.0608	1.0615	0.0007
31	10	LDR Unbiased	1.0563	1.0572	0.0009
32	10	LDR Unbiased	1.0463	1.0467	0.0004
33	10	LDR Unbiased	1.0519	1.0515	-0.0004
34	10	LDR Unbiased	1.0473	1.0474	0.0001
35	10	LDR Unbiased	1.0472	1.0466	-0.0006
36	30	LDR Unbiased	1.0397	1.0401	0.0004
37	30	LDR Unbiased	1.0488	1.0482	-0.0006
38	30	LDR Unbiased	1.0455	1.0455	0
39	30	LDR Unbiased	1.0411	1.0405	-0.0006
40	30	LDR Unbiased	1.0604	1.0614	0.001
41	50	LDR Unbiased	1.0497	1.05	0.0003
42	50	LDR Unbiased	1.0426	1.0433	0.0007
43	50	LDR Unbiased	1.044	1.0429	-0.0011
44	50	LDR Unbiased	1.0431	1.0423	-0.0008
45	50	LDR Unbiased	1.0452	1.0455	0.0003
46	100	LDR Unbiased	1.0505	1.0496	-0.0009
47	100	LDR Unbiased	1.0455	1.0458	0.0003
48	100	LDR Unbiased	1.041	1.0399	-0.0011
49	100	LDR Unbiased	1.0423	1.0417	-0.0006
50	100	LDR Unbiased	1.0412	1.0426	0.0014
60	0	Correlation	1.0479	1.0481	0.0002
61	0	Correlation	1.052	1.0524	0.0004
62	0	Correlation	1.0489	1.0489	0
63	0	Correlation	1.0495	1.0496	0.0001
64	0	Correlation	1.0523	1.0524	0.0001
65	0	Correlation	1.0589	1.0589	0

Test Statistics ()

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	1.0479	1.0516	1.0589	0.0039832	1.0481	1.0517	1.0589	0.0039504	0	0.00013333	0.0004	0.00015055
3	1.0359	1.0498	1.0609	0.0089184	1.0347	1.0497	1.0615	0.0092087	-0.0012	-0.00015	0.0007	0.00048362
10	1.0426	1.0485	1.0563	0.00382	1.0427	1.0484	1.0572	0.0040266	-0.0007	-6e-05	0.0009	0.00051034
30	1.0397	1.0478	1.0604	0.0067173	1.0401	1.0473	1.0614	0.0067237	-0.0031	-0.00046	0.0017	0.0013393
50	1.0426	1.0475	1.0552	0.0042787	1.0423	1.0469	1.0551	0.0041562	-0.0026	-0.0006	0.0007	0.00096379
100	1.0403	1.044	1.0505	0.003009	1.0375	1.0432	1.0496	0.0032689	-0.0028	-0.0008	0.0014	0.0011195

Device Test: 23.2 _HRESHOLD|FALL/PWRGD/4.5////@VSENSE_VTH_FALLING_FAULT





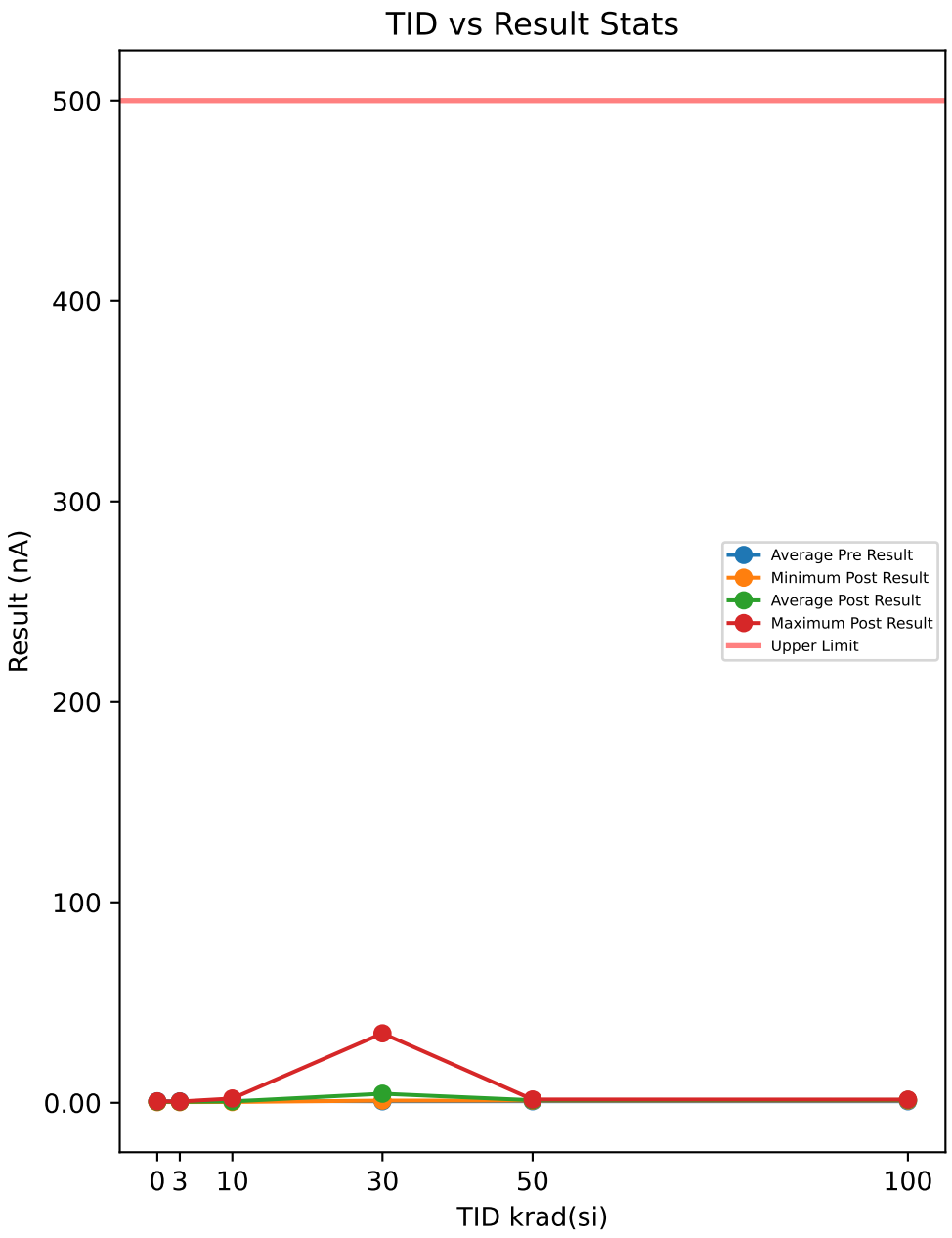
Test Results (Lower Limit = 0.9, Upper Limit = 0.95 ())

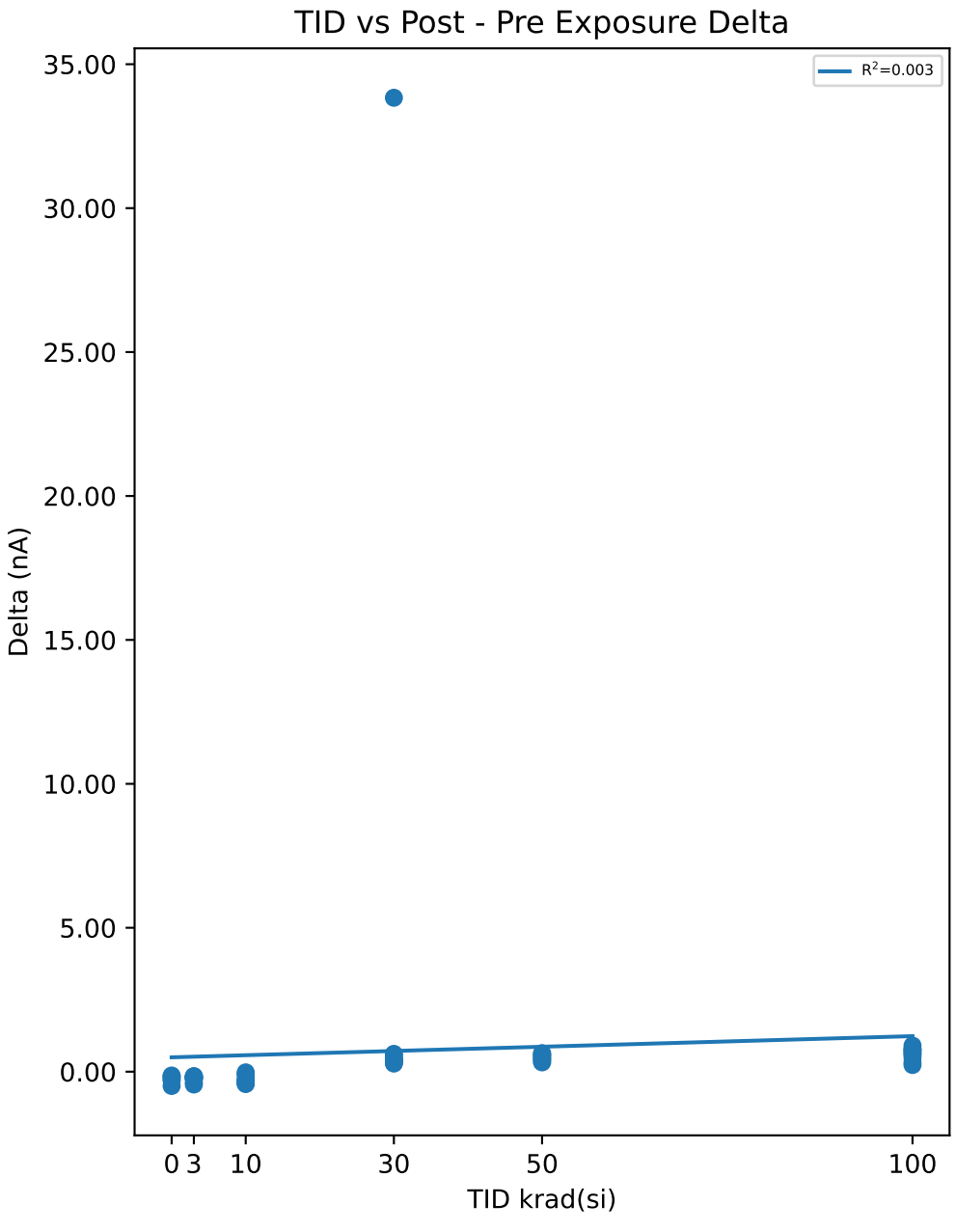
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	LDR Biased	0.9107	0.9106	-0.0001
2	3	LDR Biased	0.91	0.9093	-0.0007
3	3	LDR Biased	0.916	0.9162	0.0002
4	3	LDR Biased	0.9255	0.9258	0.0003
5	3	LDR Biased	0.9261	0.9261	0
6	10	LDR Biased	0.9198	0.9195	-0.0003
7	10	LDR Biased	0.9147	0.9152	0.0005
8	10	LDR Biased	0.914	0.9153	0.0013
9	10	LDR Biased	0.9172	0.9166	-0.0006
10	10	LDR Biased	0.9207	0.9205	-0.0002
11	30	LDR Biased	0.9211	0.9222	0.0011
12	30	LDR Biased	0.9171	0.9178	0.0007
13	30	LDR Biased	0.9122	0.9125	0.0003
14	30	LDR Biased	0.9271	0.9263	-0.0008
15	30	LDR Biased	0.9149	0.9148	-0.0001
16	50	LDR Biased	0.9161	0.9168	0.0007
17	50	LDR Biased	0.923	0.9219	-0.0011
18	50	LDR Biased	0.9218	0.9225	0.0007
19	50	LDR Biased	0.9199	0.9206	0.0007
20	50	LDR Biased	0.9202	0.9191	-0.0011
21	100	LDR Biased	0.9157	0.9171	0.0014
22	100	LDR Biased	0.9144	0.915	0.0006
23	100	LDR Biased	0.9129	0.9119	-0.001
24	100	LDR Biased	0.9147	0.9144	-0.0003
25	100	LDR Biased	0.9153	0.9161	0.0008
26	3	LDR Unbiased	0.9211	0.921	-0.0001
27	3	LDR Unbiased	0.9194	0.9195	0.0001
28	3	LDR Unbiased	0.9225	0.9226	0.0001
29	3	LDR Unbiased	0.9167	0.917	0.0003
30	3	LDR Unbiased	0.9309	0.9319	0.001
31	10	LDR Unbiased	0.9238	0.9247	0.0009
32	10	LDR Unbiased	0.9162	0.9159	-0.0003
33	10	LDR Unbiased	0.9219	0.922	0.0001
34	10	LDR Unbiased	0.918	0.9188	0.0008
35	10	LDR Unbiased	0.9162	0.9165	0.0003
36	30	LDR Unbiased	0.9109	0.9118	0.0009
37	30	LDR Unbiased	0.9164	0.9159	-0.0005
38	30	LDR Unbiased	0.9189	0.9181	-0.0008
39	30	LDR Unbiased	0.9125	0.9117	-0.0008
40	30	LDR Unbiased	0.9289	0.929	0.0001
41	50	LDR Unbiased	0.9168	0.9158	-0.001
42	50	LDR Unbiased	0.9127	0.9136	0.0009
43	50	LDR Unbiased	0.9168	0.9172	0.0004
44	50	LDR Unbiased	0.9156	0.9151	-0.0005
45	50	LDR Unbiased	0.9165	0.9162	-0.0003
46	100	LDR Unbiased	0.9194	0.9191	-0.0003
47	100	LDR Unbiased	0.9164	0.9178	0.0014
48	100	LDR Unbiased	0.9138	0.9122	-0.0016
49	100	LDR Unbiased	0.9145	0.9156	0.0011
50	100	LDR Unbiased	0.9119	0.913	0.0011
60	0	Correlation	0.9208	0.921	0.0002
61	0	Correlation	0.9193	0.9195	0.0002
62	0	Correlation	0.9181	0.9182	0.0001
63	0	Correlation	0.9155	0.916	0.0005
64	0	Correlation	0.923	0.9233	0.0003
65	0	Correlation	0.9266	0.9265	-0.0001

Test Statistics ()

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	0.9155	0.92055	0.9266	0.0038919	0.916	0.92075	0.9265	0.0037485	-0.0001	0.0002	0.0005	0.0002
3	0.91	0.91989	0.9309	0.0067276	0.9093	0.92	0.9319	0.0070456	-0.0007	0.00011	0.001	0.00042544
10	0.914	0.91825	0.9238	0.0032105	0.9152	0.9185	0.9247	0.0031847	-0.0006	0.00025	0.0013	0.00061869
30	0.9109	0.918	0.9289	0.0061402	0.9117	0.91801	0.929	0.0060609	-0.0008	1e-05	0.0011	0.00072946
50	0.9127	0.91794	0.923	0.0031701	0.9136	0.91788	0.9225	0.003004	-0.0011	-6e-05	0.0009	0.00082758
100	0.9119	0.9149	0.9194	0.0020537	0.9119	0.91522	0.9191	0.0024027	-0.0016	0.00032	0.0014	0.001057

Device Test: 23.20 _LEAK|MAX/PWRGD/12////@PWRGD_OUTPUT_HIGH_LEAK





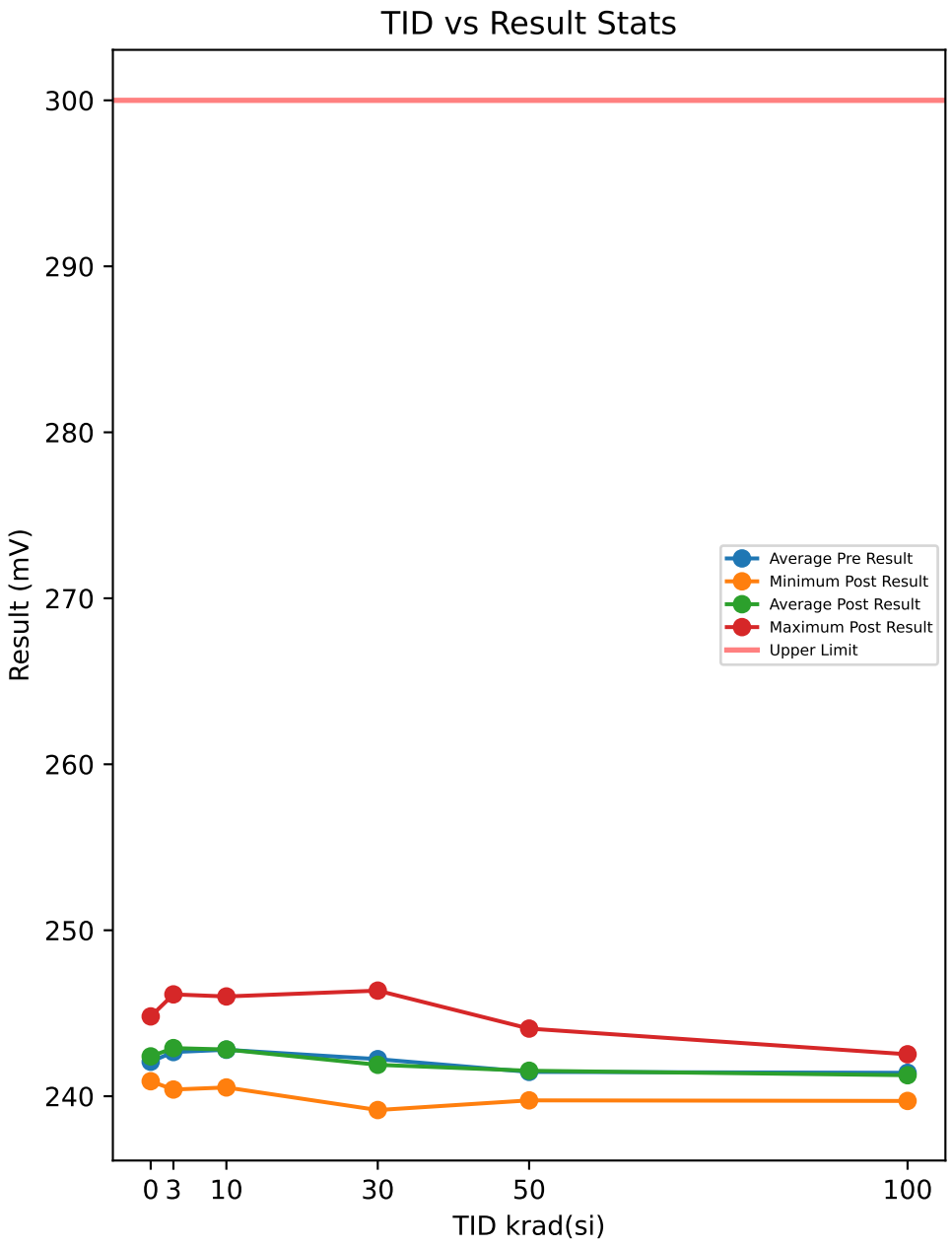
Test Results (Upper Limit = 500.0 (nA))

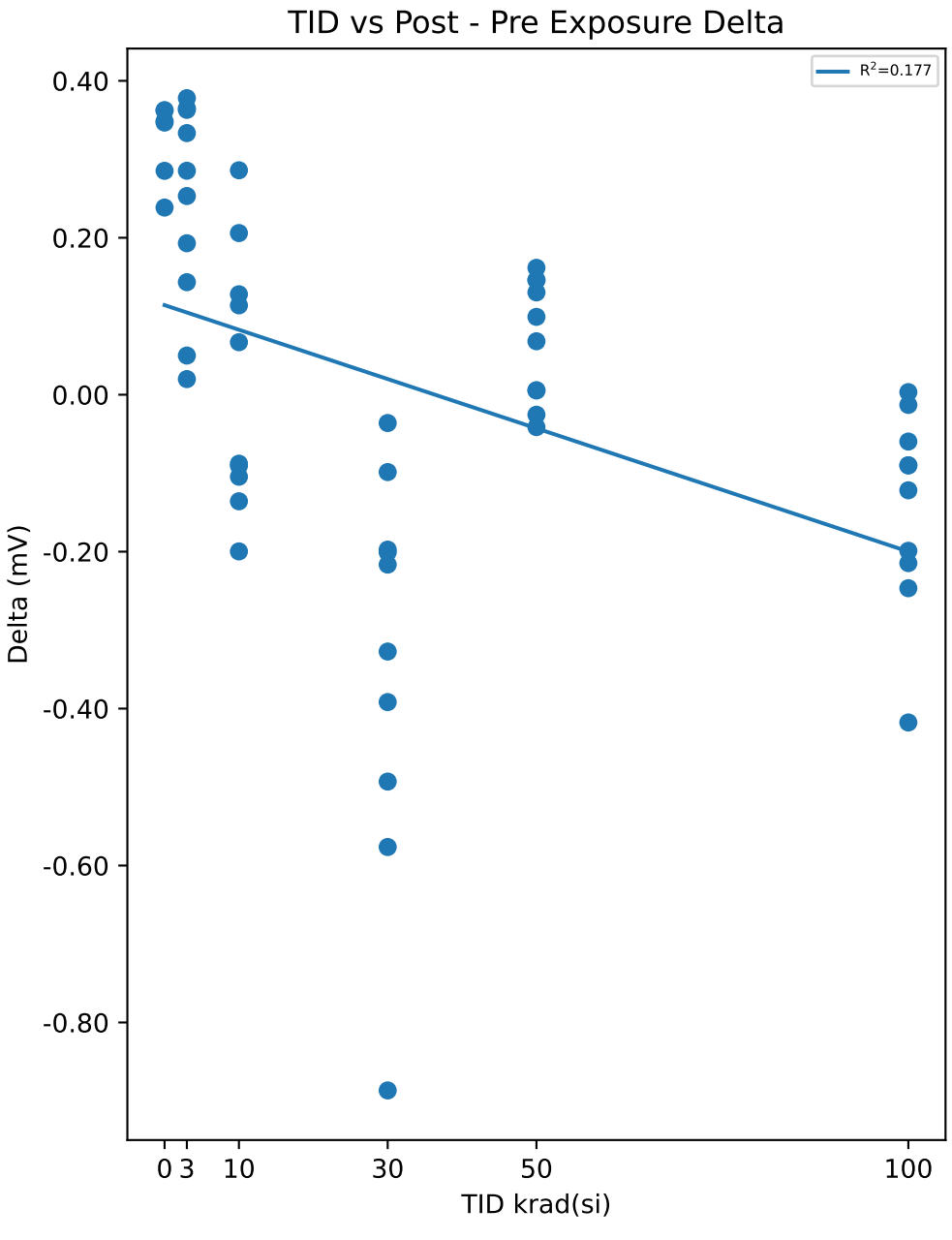
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	LDR Biased	0.7948	0.3492	-0.4456
2	3	LDR Biased	0.5388	0.3836	-0.1552
3	3	LDR Biased	0.6855	0.4398	-0.2457
4	3	LDR Biased	0.5887	0.4023	-0.1864
5	3	LDR Biased	0.6668	0.4835	-0.1833
6	10	LDR Biased	0.8572	0.5554	-0.3018
7	10	LDR Biased	2.4991	2.1545	-0.3446
8	10	LDR Biased	0.9571	0.5741	-0.383
9	10	LDR Biased	0.673	0.6491	-0.0239
10	10	LDR Biased	0.8229	0.393	-0.4299
11	30	LDR Biased	0.8385	34.673	33.835
12	30	LDR Biased	0.7916	1.1048	0.3132
13	30	LDR Biased	0.8416	1.2518	0.4102
14	30	LDR Biased	0.673	1.233	0.56
15	30	LDR Biased	0.7074	1.3268	0.6194
16	50	LDR Biased	1.213	1.6584	0.4454
17	50	LDR Biased	0.7979	1.1219	0.324
18	50	LDR Biased	0.8041	1.1468	0.3427
19	50	LDR Biased	0.6918	1.1499	0.4581
20	50	LDR Biased	0.6137	1.256	0.6423
21	100	LDR Biased	0.8447	1.5829	0.7382
22	100	LDR Biased	0.7667	1.3643	0.5976
23	100	LDR Biased	0.9633	1.4517	0.4884
24	100	LDR Biased	0.9352	1.1675	0.2323
25	100	LDR Biased	0.6824	1.4549	0.7725
26	3	LDR Unbiased	0.6668	0.4523	-0.2145
27	3	LDR Unbiased	0.8416	0.6491	-0.1925
28	3	LDR Unbiased	0.7323	0.496	-0.2363
29	3	LDR Unbiased	0.9165	0.546	-0.3705
30	3	LDR Unbiased	0.8072	0.6428	-0.1644
31	10	LDR Unbiased	0.7573	0.4273	-0.33
32	10	LDR Unbiased	0.8822	0.4804	-0.4018
33	10	LDR Unbiased	0.6137	0.5023	-0.1114
34	10	LDR Unbiased	0.6387	0.571	-0.0677
35	10	LDR Unbiased	0.7105	0.4461	-0.2644
36	30	LDR Unbiased	0.7979	1.2049	0.407
37	30	LDR Unbiased	0.7948	1.1955	0.4007
38	30	LDR Unbiased	0.8478	1.1298	0.282
39	30	LDR Unbiased	0.673	1.1611	0.4881
40	30	LDR Unbiased	0.7885	1.1329	0.3444
41	50	LDR Unbiased	0.6949	1.2342	0.5393
42	50	LDR Unbiased	0.9196	1.5461	0.6265
43	50	LDR Unbiased	0.6168	1.1811	0.5643
44	50	LDR Unbiased	0.7136	1.281	0.5674
45	50	LDR Unbiased	0.8946	1.3153	0.4207
46	100	LDR Unbiased	0.8353	1.155	0.3197
47	100	LDR Unbiased	0.929	1.5985	0.6695
48	100	LDR Unbiased	0.5856	1.2206	0.635
49	100	LDR Unbiased	0.6543	1.4393	0.785
50	100	LDR Unbiased	0.698	1.6048	0.9068
60	0	Correlation	0.7729	0.5085	-0.2644
61	0	Correlation	0.801	0.5023	-0.2987
62	0	Correlation	0.8697	0.7365	-0.1332
63	0	Correlation	0.8509	0.3555	-0.4954
64	0	Correlation	0.5357	0.368	-0.1677
65	0	Correlation	0.6793	0.4991	-0.1802

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	0.5357	0.75158	0.8697	0.12533	0.3555	0.49498	0.7365	0.13723	-0.4954	-0.2566	-0.1332	0.13253
3	0.5388	0.7239	0.9165	0.11715	0.3492	0.48446	0.6491	0.10239	-0.4456	-0.23944	-0.1552	0.095012
10	0.6137	0.94117	2.4991	0.55873	0.393	0.67532	2.1545	0.52555	-0.4299	-0.26585	-0.0239	0.14621
30	0.673	0.77541	0.8478	0.067097	1.1048	4.5414	34.673	10.587	0.282	3.766	33.835	10.566
50	0.6137	0.796	1.213	0.18018	1.1219	1.2891	1.6584	0.17843	0.324	0.49307	0.6423	0.11192
100	0.5856	0.78945	0.9633	0.13176	1.155	1.404	1.6048	0.17302	0.2323	0.6145	0.9068	0.21276

Device Test: 23.21 _VOL|2mA/PWRGD/12////@PWRGD_OUTPUT_LOW





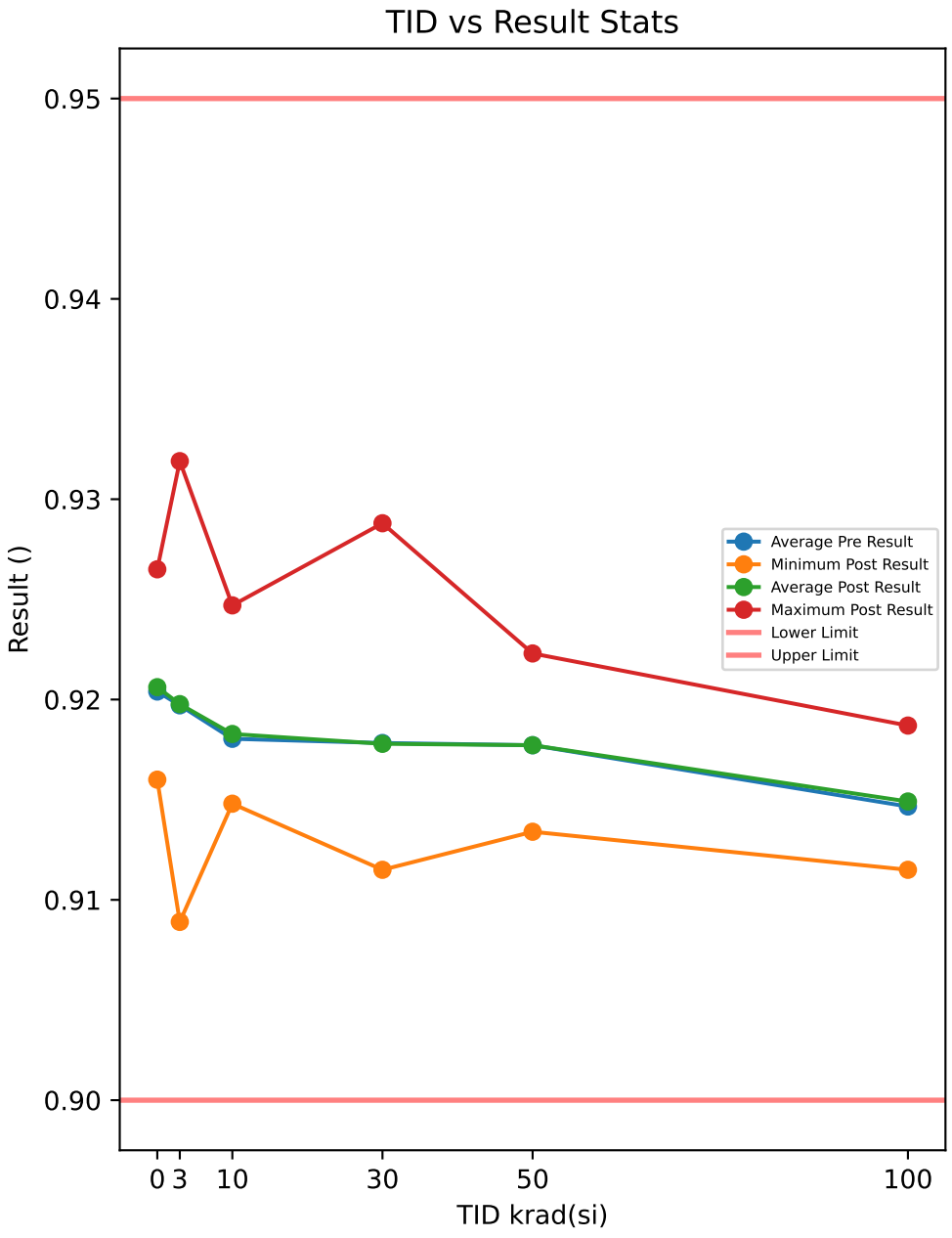
Test Results (Upper Limit = 300.0 (mV))

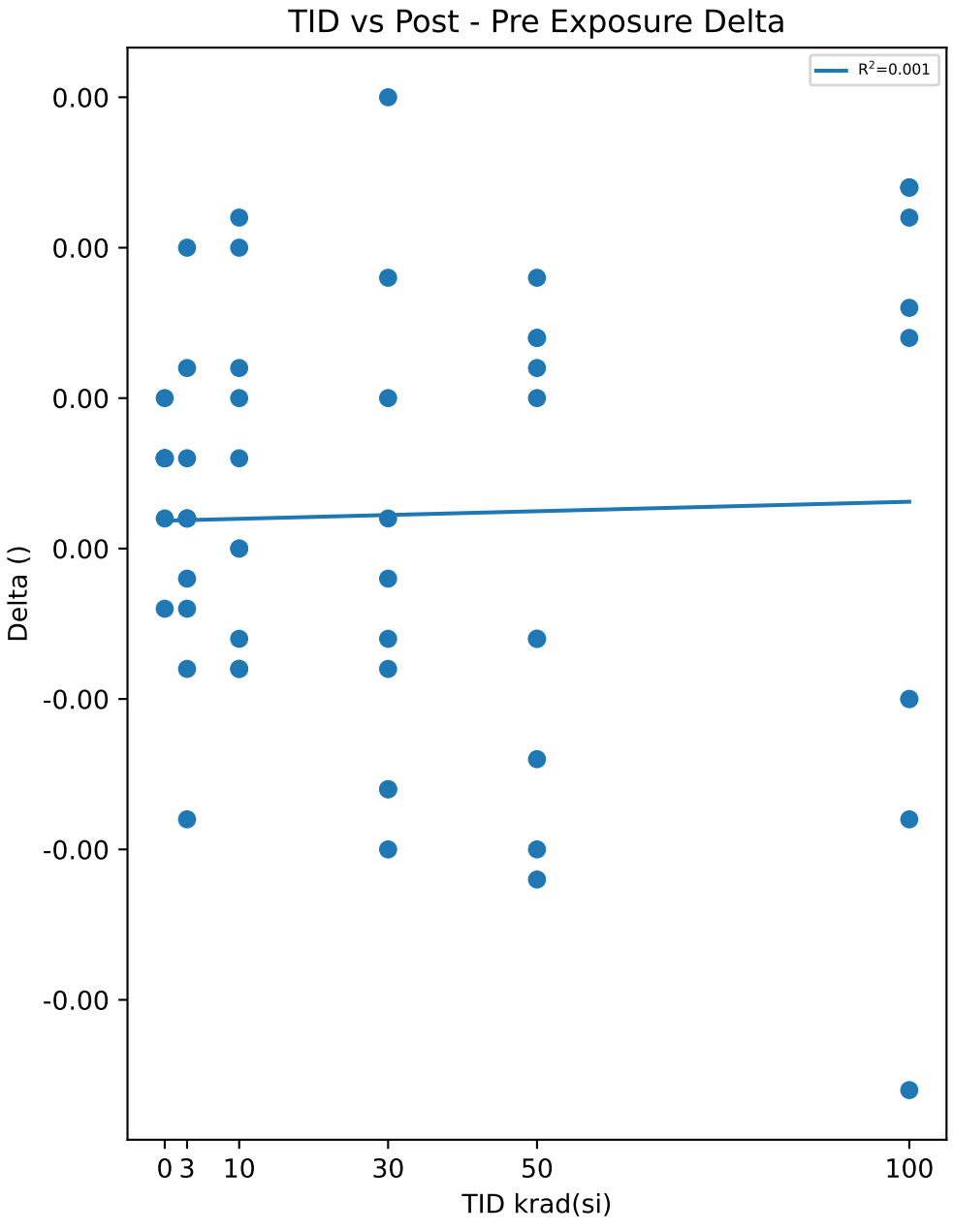
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	LDR Biased	240.26	240.4	0.1434
2	3	LDR Biased	245.57	245.76	0.193
3	3	LDR Biased	242.96	242.98	0.0199
4	3	LDR Biased	241.01	241.26	0.2532
5	3	LDR Biased	240.56	240.94	0.3779
6	10	LDR Biased	246.1	246.01	-0.0879
7	10	LDR Biased	240.96	240.87	-0.0905
8	10	LDR Biased	241.17	240.97	-0.1997
9	10	LDR Biased	243.87	243.73	-0.1358
10	10	LDR Biased	243.24	243.31	0.0669
11	30	LDR Biased	242.87	242.37	-0.493
12	30	LDR Biased	241.48	240.59	-0.8866
13	30	LDR Biased	240.12	239.54	-0.5764
14	30	LDR Biased	239.5	239.17	-0.3273
15	30	LDR Biased	240.2	239.98	-0.2165
16	50	LDR Biased	240.85	240.86	0.0056
17	50	LDR Biased	242.59	242.59	0.0055
18	50	LDR Biased	241.13	241.09	-0.0413
19	50	LDR Biased	242.49	242.64	0.146
20	50	LDR Biased	239.78	239.75	-0.0255
21	100	LDR Biased	242.41	242	-0.4177
22	100	LDR Biased	241.06	240.81	-0.2466
23	100	LDR Biased	240.1	240.04	-0.0597
24	100	LDR Biased	242.73	242.53	-0.1989
25	100	LDR Biased	241.85	241.76	-0.09
26	3	LDR Unbiased	240.57	240.62	0.0499
27	3	LDR Unbiased	245.12	245.45	0.3334
28	3	LDR Unbiased	242.79	243.07	0.2854
29	3	LDR Unbiased	245.77	246.14	0.365
30	3	LDR Unbiased	242.01	242.37	0.363
31	10	LDR Unbiased	243.99	243.89	-0.1045
32	10	LDR Unbiased	240.7	240.83	0.128
33	10	LDR Unbiased	243.59	243.7	0.1139
34	10	LDR Unbiased	244.05	244.34	0.286
35	10	LDR Unbiased	240.32	240.53	0.206
36	30	LDR Unbiased	246.75	246.36	-0.3917
37	30	LDR Unbiased	240.21	240.01	-0.2008
38	30	LDR Unbiased	242.02	241.83	-0.1974
39	30	LDR Unbiased	244.6	244.5	-0.0986
40	30	LDR Unbiased	244.6	244.56	-0.0361
41	50	LDR Unbiased	239.75	239.89	0.1462
42	50	LDR Unbiased	243.94	244.08	0.1304
43	50	LDR Unbiased	241.73	241.89	0.1617
44	50	LDR Unbiased	239.78	239.84	0.0681
45	50	LDR Unbiased	242.62	242.72	0.0992
46	100	LDR Unbiased	241.96	241.87	-0.09
47	100	LDR Unbiased	242.68	242.47	-0.2146
48	100	LDR Unbiased	240.64	240.51	-0.1218
49	100	LDR Unbiased	240.95	240.95	0.0033
50	100	LDR Unbiased	239.73	239.72	-0.013
60	0	Correlation	240.54	240.9	0.3622
61	0	Correlation	242.63	242.92	0.2853
62	0	Correlation	242.84	243.07	0.2385
63	0	Correlation	240.81	241.15	0.3468
64	0	Correlation	244.46	244.81	0.3487
65	0	Correlation	241.18	241.54	0.3626

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	240.54	242.08	244.46	1.5058	240.9	242.4	244.81	1.4866	0.2385	0.32402	0.3626	0.050768
3	240.26	242.66	245.77	2.1591	240.4	242.9	246.14	2.1967	0.0199	0.23841	0.3779	0.132
10	240.32	242.8	246.1	1.8981	240.53	242.82	246.01	1.8836	-0.1997	0.01824	0.286	0.16326
30	239.5	242.24	246.75	2.4232	239.17	241.89	246.36	2.4941	-0.8866	-0.34244	-0.0361	0.25526
50	239.75	241.47	243.94	1.4531	239.75	241.54	244.08	1.4796	-0.0413	0.06959	0.1617	0.077681
100	239.73	241.41	242.73	1.0711	239.72	241.27	242.53	0.99702	-0.4177	-0.1449	0.0033	0.12724

Device Test: 23.23 _HRESHOLD|FALL/PWRGD/14////@VSENSE_VTH_FALLING_FAULT





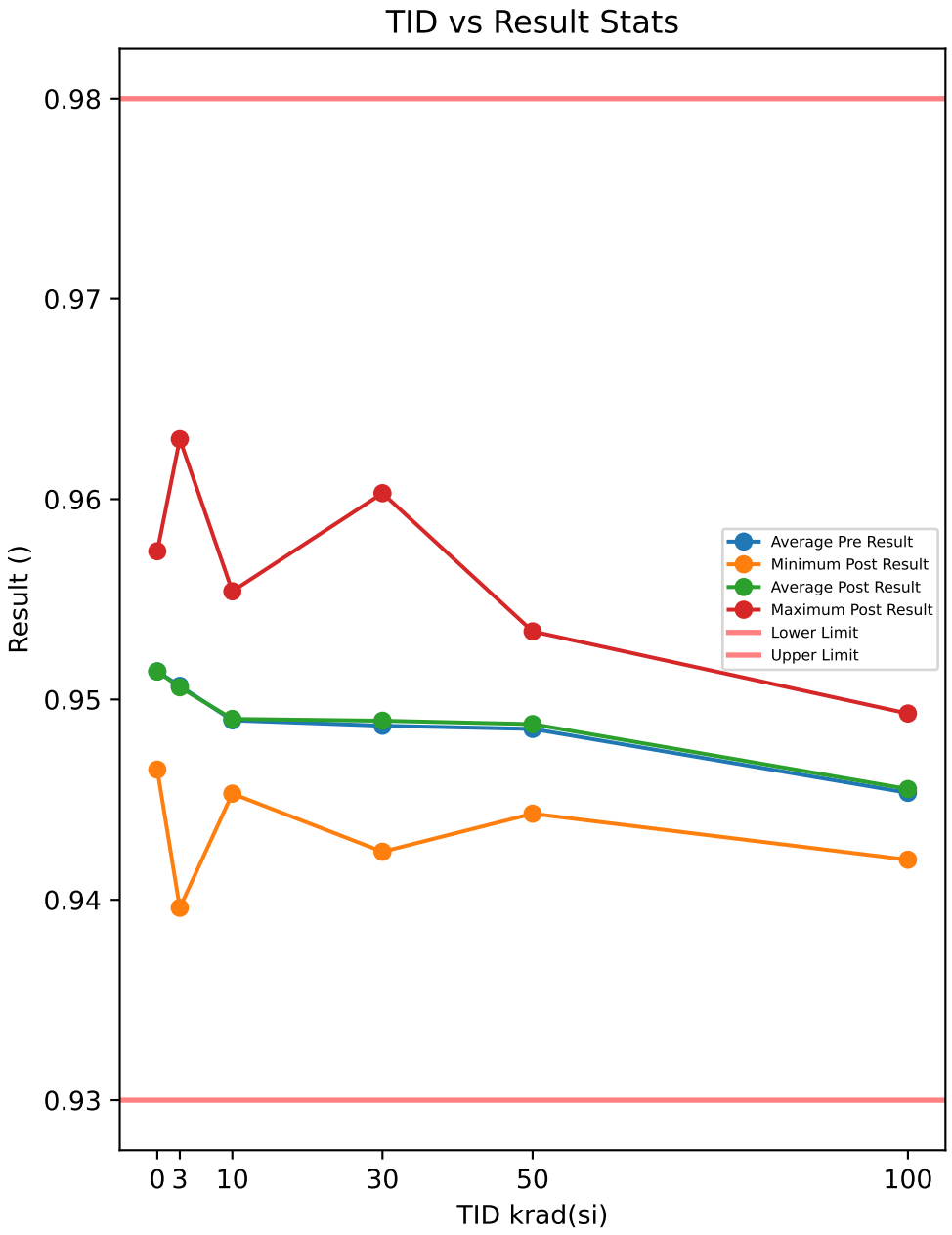
Test Results (Lower Limit = 0.9, Upper Limit = 0.95 ())

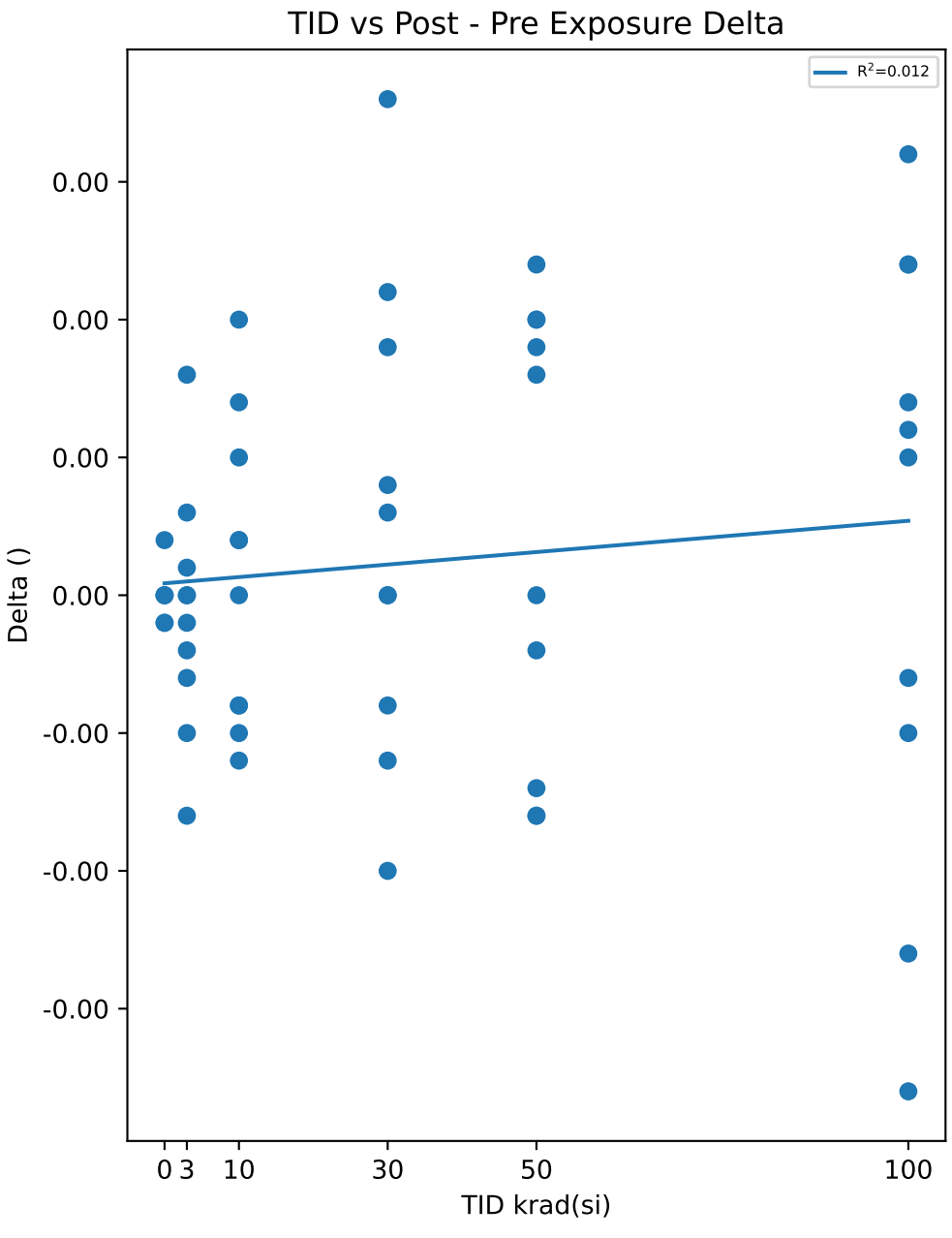
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	LDR Biased	0.9103	0.9106	0.0003
2	3	LDR Biased	0.9098	0.9089	-0.0009
3	3	LDR Biased	0.9156	0.9162	0.0006
4	3	LDR Biased	0.9253	0.9254	0.0001
5	3	LDR Biased	0.9261	0.9259	-0.0002
6	10	LDR Biased	0.9196	0.9193	-0.0003
7	10	LDR Biased	0.9147	0.915	0.0003
8	10	LDR Biased	0.9138	0.9148	0.001
9	10	LDR Biased	0.917	0.9166	-0.0004
10	10	LDR Biased	0.9205	0.9201	-0.0004
11	30	LDR Biased	0.9207	0.9222	0.0015
12	30	LDR Biased	0.9171	0.9176	0.0005
13	30	LDR Biased	0.9122	0.9123	0.0001
14	30	LDR Biased	0.9271	0.9261	-0.001
15	30	LDR Biased	0.9147	0.9144	-0.0003
16	50	LDR Biased	0.9161	0.9166	0.0005
17	50	LDR Biased	0.9228	0.9217	-0.0011
18	50	LDR Biased	0.9216	0.9223	0.0007
19	50	LDR Biased	0.9197	0.9204	0.0007
20	50	LDR Biased	0.9198	0.9191	-0.0007
21	100	LDR Biased	0.9155	0.9167	0.0012
22	100	LDR Biased	0.914	0.9152	0.0012
23	100	LDR Biased	0.9126	0.9117	-0.0009
24	100	LDR Biased	0.9143	0.9138	-0.0005
25	100	LDR Biased	0.9149	0.9157	0.0008
26	3	LDR Unbiased	0.9211	0.921	-0.0001
27	3	LDR Unbiased	0.919	0.9191	0.0001
28	3	LDR Unbiased	0.9225	0.9221	-0.0004
29	3	LDR Unbiased	0.9165	0.9166	0.0001
30	3	LDR Unbiased	0.9309	0.9319	0.001
31	10	LDR Unbiased	0.9236	0.9247	0.0011
32	10	LDR Unbiased	0.9159	0.9159	0
33	10	LDR Unbiased	0.9215	0.922	0.0005
34	10	LDR Unbiased	0.9178	0.9184	0.0006
35	10	LDR Unbiased	0.916	0.916	0
36	30	LDR Unbiased	0.9107	0.9116	0.0009
37	30	LDR Unbiased	0.9159	0.9155	-0.0004
38	30	LDR Unbiased	0.9187	0.9179	-0.0008
39	30	LDR Unbiased	0.9123	0.9115	-0.0008
40	30	LDR Unbiased	0.9289	0.9288	-0.0001
41	50	LDR Unbiased	0.9166	0.9156	-0.001
42	50	LDR Unbiased	0.9125	0.9134	0.0009
43	50	LDR Unbiased	0.9166	0.9172	0.0006
44	50	LDR Unbiased	0.9152	0.9149	-0.0003
45	50	LDR Unbiased	0.9163	0.916	-0.0003
46	100	LDR Unbiased	0.9192	0.9187	-0.0005
47	100	LDR Unbiased	0.9164	0.9176	0.0012
48	100	LDR Unbiased	0.9133	0.9115	-0.0018
49	100	LDR Unbiased	0.9145	0.9152	0.0007
50	100	LDR Unbiased	0.9119	0.913	0.0011
60	0	Correlation	0.9206	0.9204	-0.0002
61	0	Correlation	0.919	0.9193	0.0003
62	0	Correlation	0.9181	0.9182	0.0001
63	0	Correlation	0.9155	0.916	0.0005
64	0	Correlation	0.923	0.9233	0.0003
65	0	Correlation	0.9262	0.9265	0.0003

Test Statistics ()

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	0.9155	0.9204	0.9262	0.0037868	0.916	0.92062	0.9265	0.0037616	-0.0002	0.00021667	0.0005	0.00024014
3	0.9098	0.91971	0.9309	0.0068432	0.9089	0.91977	0.9319	0.007062	-0.0009	6e-05	0.001	0.00052324
10	0.9138	0.91804	0.9236	0.003169	0.9148	0.91828	0.9247	0.0032656	-0.0004	0.00024	0.0011	0.00055217
30	0.9107	0.91783	0.9289	0.0061882	0.9115	0.91779	0.9288	0.0060967	-0.001	-4e-05	0.0015	0.00080581
50	0.9125	0.91772	0.9228	0.0031597	0.9134	0.91772	0.9223	0.0030092	-0.0011	2.2204e-17	0.0009	0.00076594
100	0.9119	0.91466	0.9192	0.0020738	0.9115	0.91491	0.9187	0.0024131	-0.0018	0.00025	0.0012	0.0010845

Device Test: 23.24 _HRESHOLD|RISE/PWRGD/14////@VSENSE_VTH_RISING_GOOD





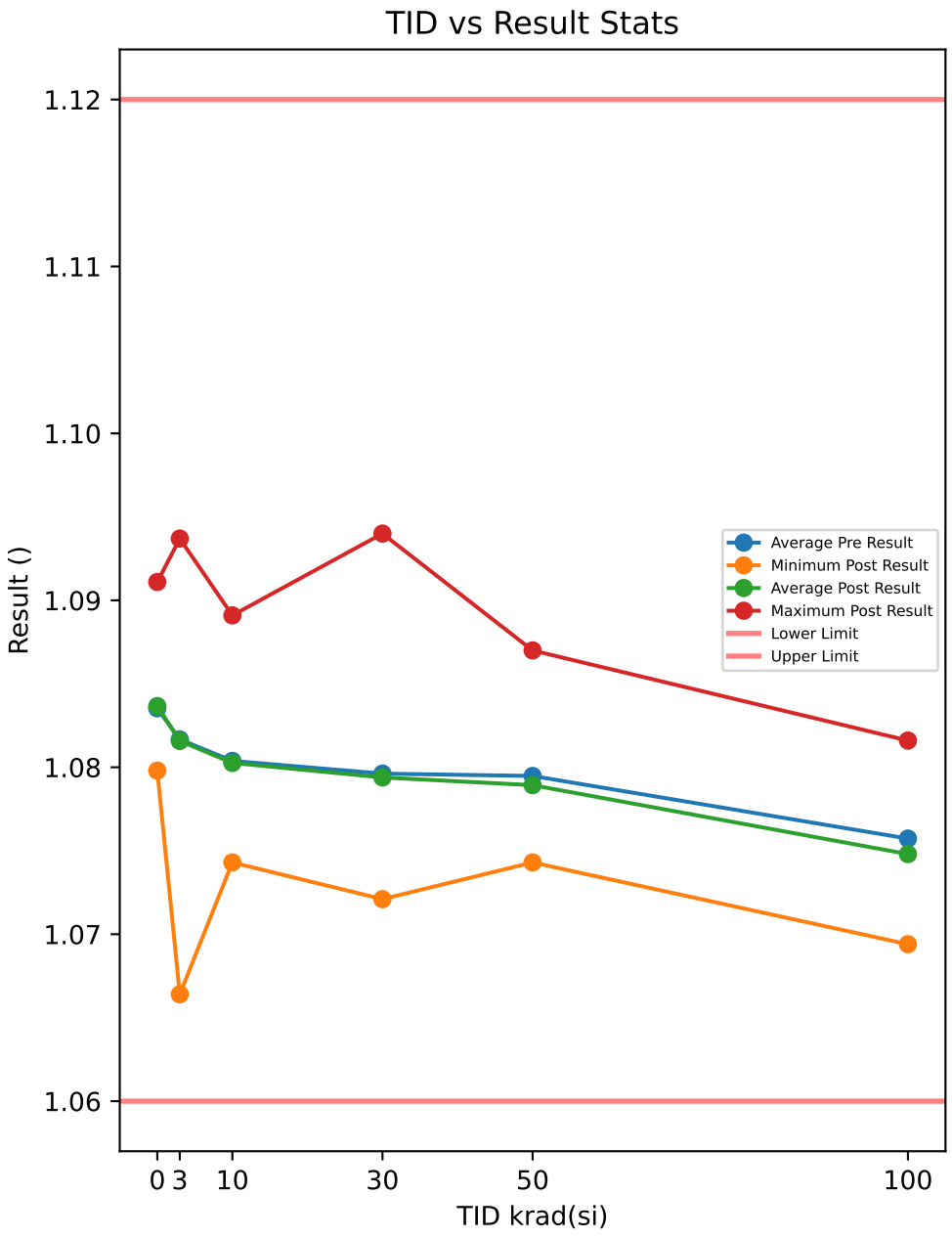
Test Results (Lower Limit = 0.93, Upper Limit = 0.98 ())

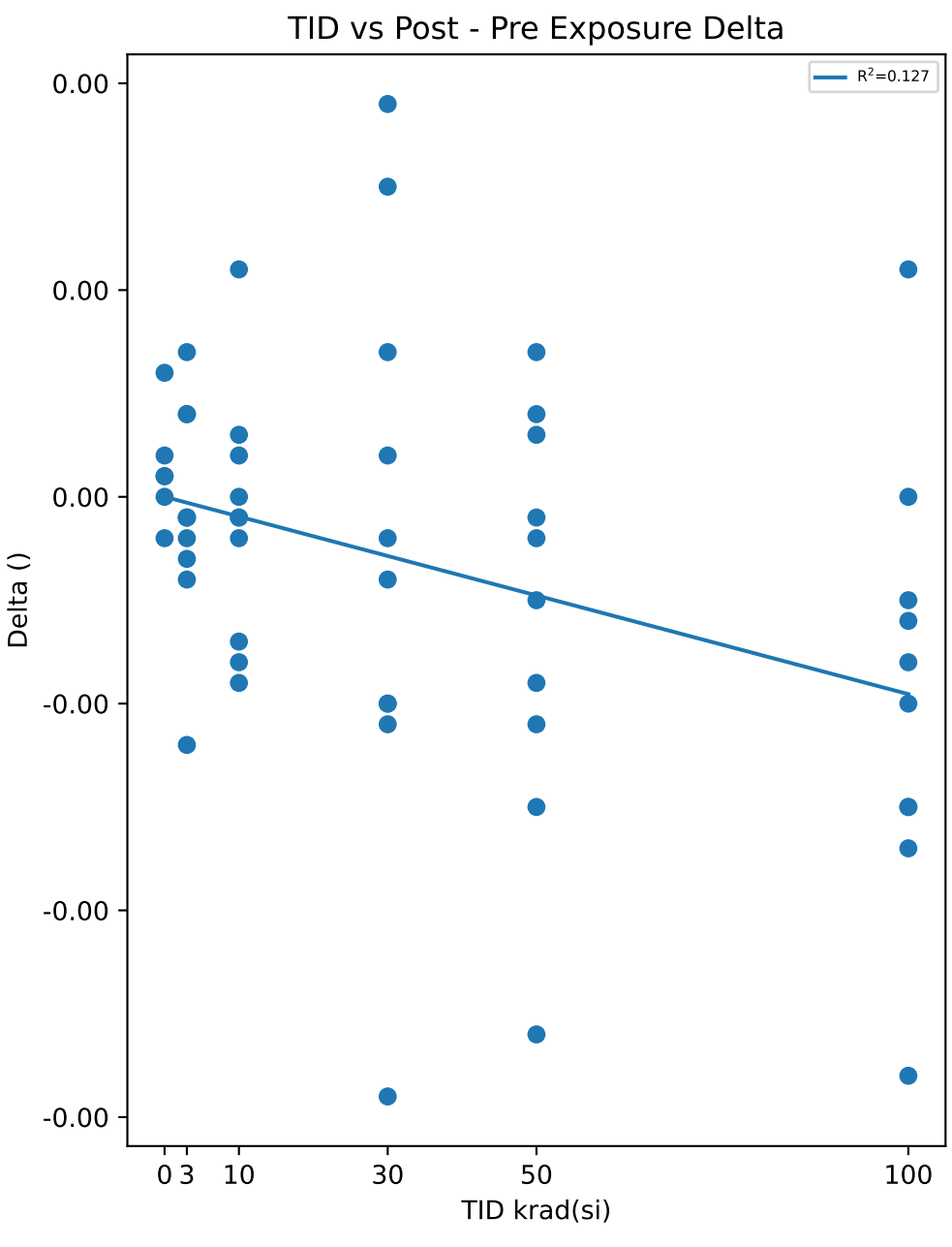
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	LDR Biased	0.9409	0.9406	-0.0003
2	3	LDR Biased	0.9404	0.9396	-0.0008
3	3	LDR Biased	0.9467	0.9465	-0.0002
4	3	LDR Biased	0.9564	0.9565	0.0001
5	3	LDR Biased	0.9571	0.9571	0
6	10	LDR Biased	0.9507	0.9501	-0.0006
7	10	LDR Biased	0.9453	0.9458	0.0005
8	10	LDR Biased	0.9446	0.9453	0.0007
9	10	LDR Biased	0.9479	0.9475	-0.0004
10	10	LDR Biased	0.9516	0.9512	-0.0004
11	30	LDR Biased	0.9517	0.9535	0.0018
12	30	LDR Biased	0.948	0.9489	0.0009
13	30	LDR Biased	0.9429	0.9432	0.0003
14	30	LDR Biased	0.9582	0.9572	-0.001
15	30	LDR Biased	0.9456	0.9456	0
16	50	LDR Biased	0.9469	0.9477	0.0008
17	50	LDR Biased	0.9534	0.9527	-0.0007
18	50	LDR Biased	0.9525	0.9534	0.0009
19	50	LDR Biased	0.9504	0.9516	0.0012
20	50	LDR Biased	0.9508	0.95	-0.0008
21	100	LDR Biased	0.9463	0.9475	0.0012
22	100	LDR Biased	0.9449	0.9456	0.0007
23	100	LDR Biased	0.9433	0.942	-0.0013
24	100	LDR Biased	0.9452	0.9449	-0.0003
25	100	LDR Biased	0.9456	0.9462	0.0006
26	3	LDR Unbiased	0.9519	0.9519	0
27	3	LDR Unbiased	0.9501	0.95	-0.0001
28	3	LDR Unbiased	0.9537	0.9532	-0.0005
29	3	LDR Unbiased	0.9474	0.9477	0.0003
30	3	LDR Unbiased	0.9622	0.963	0.0008
31	10	LDR Unbiased	0.9544	0.9554	0.001
32	10	LDR Unbiased	0.947	0.9465	-0.0005
33	10	LDR Unbiased	0.9525	0.9527	0.0002
34	10	LDR Unbiased	0.9487	0.9489	0.0002
35	10	LDR Unbiased	0.9469	0.9469	0
36	30	LDR Unbiased	0.9413	0.9424	0.0011
37	30	LDR Unbiased	0.9468	0.9468	0
38	30	LDR Unbiased	0.9494	0.949	-0.0004
39	30	LDR Unbiased	0.9431	0.9425	-0.0006
40	30	LDR Unbiased	0.9599	0.9603	0.0004
41	50	LDR Unbiased	0.9475	0.9467	-0.0008
42	50	LDR Unbiased	0.9433	0.9443	0.001
43	50	LDR Unbiased	0.9473	0.9483	0.001
44	50	LDR Unbiased	0.946	0.9458	-0.0002
45	50	LDR Unbiased	0.9472	0.9472	0
46	100	LDR Unbiased	0.9498	0.9493	-0.0005
47	100	LDR Unbiased	0.9468	0.9484	0.0016
48	100	LDR Unbiased	0.9442	0.9424	-0.0018
49	100	LDR Unbiased	0.945	0.9455	0.0005
50	100	LDR Unbiased	0.9423	0.9435	0.0012
60	0	Correlation	0.9514	0.9514	0
61	0	Correlation	0.9501	0.9501	0
62	0	Correlation	0.949	0.949	0
63	0	Correlation	0.9463	0.9465	0.0002
64	0	Correlation	0.9541	0.954	-0.0001
65	0	Correlation	0.9575	0.9574	-0.0001

Test Statistics ()

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	0.9463	0.9514	0.9575	0.0039487	0.9465	0.9514	0.9574	0.0038528	-0.0001	0	0.0002	0.00010954
3	0.9404	0.95068	0.9622	0.0070357	0.9396	0.95061	0.963	0.0073473	-0.0008	-7e-05	0.0008	0.00043729
10	0.9446	0.94896	0.9544	0.0032284	0.9453	0.94903	0.9554	0.0032921	-0.0006	7e-05	0.001	0.00054782
30	0.9413	0.94869	0.9599	0.0063127	0.9424	0.94894	0.9603	0.006245	-0.001	0.00025	0.0018	0.0008436
50	0.9433	0.94853	0.9534	0.0031426	0.9443	0.94877	0.9534	0.0030427	-0.0008	0.00024	0.0012	0.00082489
100	0.9423	0.94534	0.9498	0.002056	0.942	0.94553	0.9493	0.0024395	-0.0018	0.00019	0.0016	0.0011279

Device Test: 23.25 _HRESHOLD|RISE/PWRGD/14////@VSENSE_VTH_RISING_FAULT





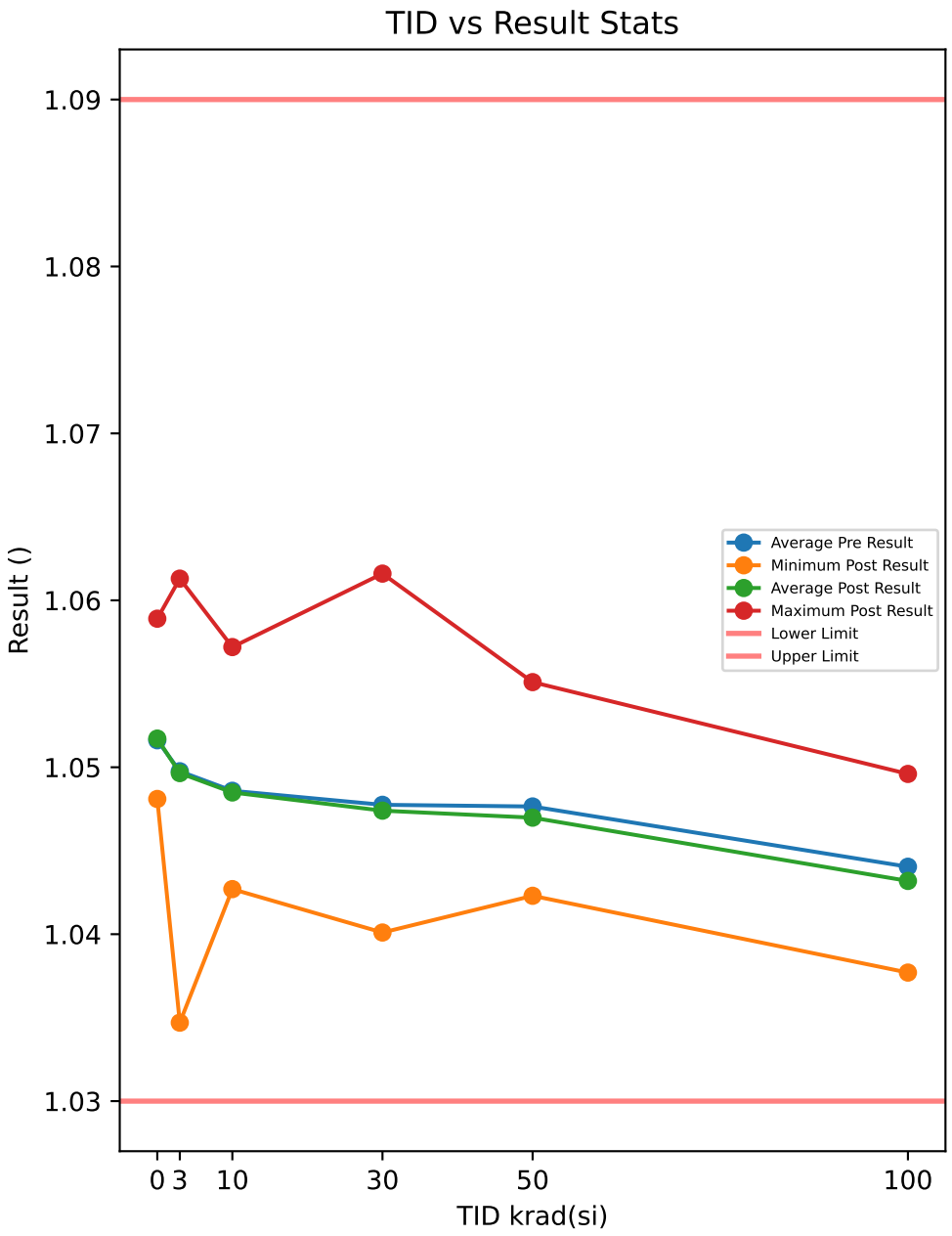
Test Results (Lower Limit = 1.06, Upper Limit = 1.12 ())

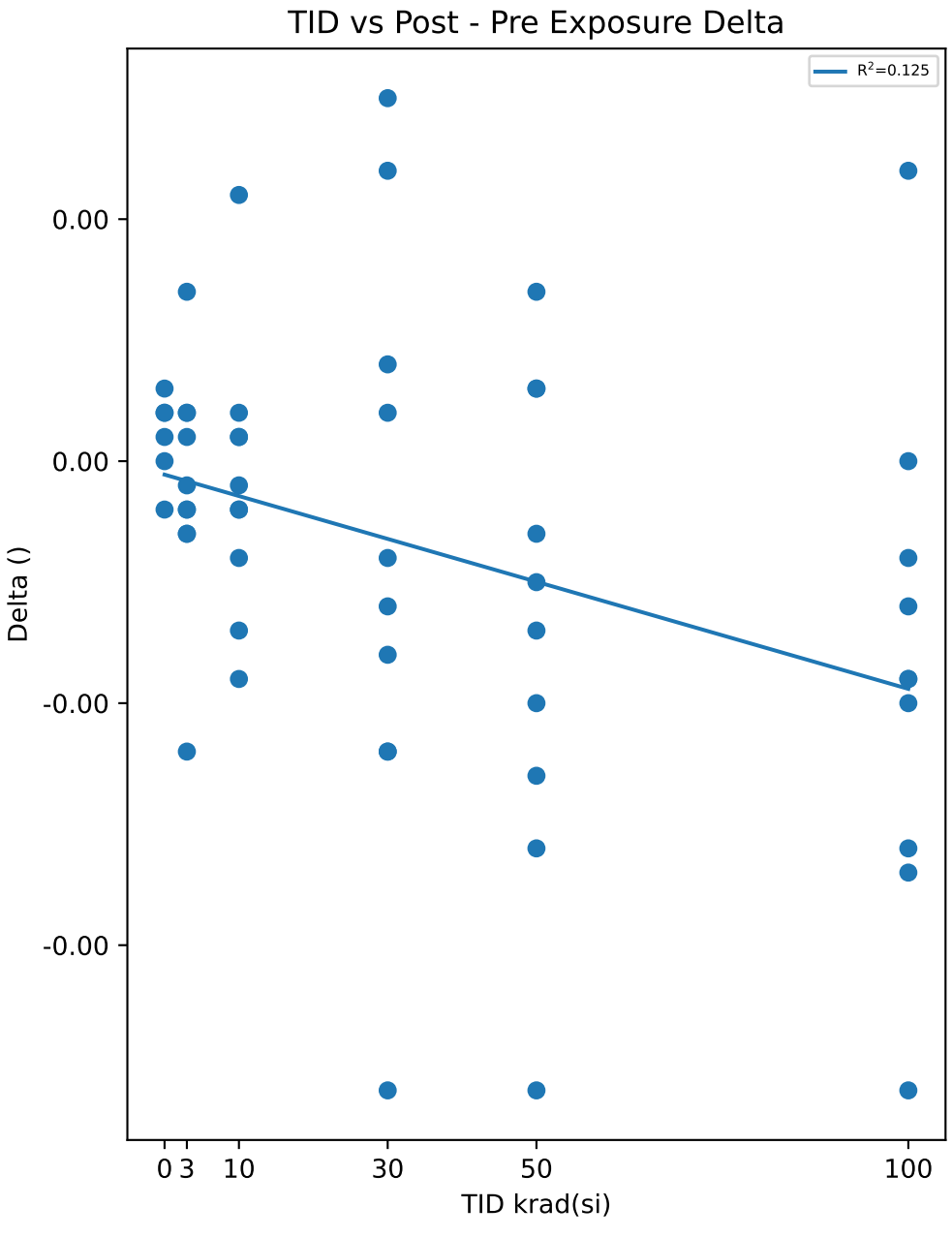
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	LDR Biased	1.0679	1.0675	-0.0004
2	3	LDR Biased	1.0676	1.0664	-0.0012
3	3	LDR Biased	1.0761	1.0759	-0.0002
4	3	LDR Biased	1.089	1.0887	-0.0003
5	3	LDR Biased	1.0932	1.0931	-0.0001
6	10	LDR Biased	1.0802	1.0795	-0.0007
7	10	LDR Biased	1.0743	1.0743	0
8	10	LDR Biased	1.0785	1.0784	-0.0001
9	10	LDR Biased	1.0787	1.0779	-0.0008
10	10	LDR Biased	1.0837	1.0836	-0.0001
11	30	LDR Biased	1.0808	1.0827	0.0019
12	30	LDR Biased	1.0792	1.0782	-0.001
13	30	LDR Biased	1.0749	1.0738	-0.0011
14	30	LDR Biased	1.0901	1.0872	-0.0029
15	30	LDR Biased	1.0768	1.0758	-0.001
16	50	LDR Biased	1.0761	1.0756	-0.0005
17	50	LDR Biased	1.0827	1.0801	-0.0026
18	50	LDR Biased	1.0871	1.087	-0.0001
19	50	LDR Biased	1.081	1.0808	-0.0002
20	50	LDR Biased	1.0839	1.0824	-0.0015
21	100	LDR Biased	1.0775	1.0758	-0.0017
22	100	LDR Biased	1.0764	1.0758	-0.0006
23	100	LDR Biased	1.0722	1.0694	-0.0028
24	100	LDR Biased	1.0759	1.0744	-0.0015
25	100	LDR Biased	1.0761	1.0753	-0.0008
26	3	LDR Unbiased	1.0836	1.084	0.0004
27	3	LDR Unbiased	1.0817	1.0816	-0.0001
28	3	LDR Unbiased	1.0849	1.0848	-0.0001
29	3	LDR Unbiased	1.0797	1.0801	0.0004
30	3	LDR Unbiased	1.093	1.0937	0.0007
31	10	LDR Unbiased	1.088	1.0891	0.0011
32	10	LDR Unbiased	1.0784	1.0786	0.0002
33	10	LDR Unbiased	1.084	1.0838	-0.0002
34	10	LDR Unbiased	1.0788	1.0791	0.0003
35	10	LDR Unbiased	1.0792	1.0783	-0.0009
36	30	LDR Unbiased	1.0714	1.0721	0.0007
37	30	LDR Unbiased	1.0807	1.0803	-0.0004
38	30	LDR Unbiased	1.077	1.0772	0.0002
39	30	LDR Unbiased	1.0728	1.0726	-0.0002
40	30	LDR Unbiased	1.0925	1.094	0.0015
41	50	LDR Unbiased	1.0816	1.0819	0.0003
42	50	LDR Unbiased	1.0741	1.0748	0.0007
43	50	LDR Unbiased	1.076	1.0749	-0.0011
44	50	LDR Unbiased	1.0752	1.0743	-0.0009
45	50	LDR Unbiased	1.0771	1.0775	0.0004
46	100	LDR Unbiased	1.0826	1.0816	-0.001
47	100	LDR Unbiased	1.0775	1.0775	0
48	100	LDR Unbiased	1.0727	1.0712	-0.0015
49	100	LDR Unbiased	1.0738	1.0733	-0.0005
50	100	LDR Unbiased	1.0726	1.0737	0.0011
60	0	Correlation	1.0796	1.0798	0.0002
61	0	Correlation	1.0841	1.0841	0
62	0	Correlation	1.0808	1.0806	-0.0002
63	0	Correlation	1.0815	1.0821	0.0006
64	0	Correlation	1.0842	1.0843	0.0001
65	0	Correlation	1.091	1.0911	0.0001

Test Statistics ()

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	1.0796	1.0835	1.091	0.0040888	1.0798	1.0837	1.0911	0.0040658	-0.0002	0.00013333	0.0006	0.00026583
3	1.0676	1.0817	1.0932	0.0091389	1.0664	1.0816	1.0937	0.0094848	-0.0012	-9e-05	0.0007	0.00052589
10	1.0743	1.0804	1.088	0.0038493	1.0743	1.0803	1.0891	0.0041487	-0.0009	-0.00012	0.0011	0.00059591
30	1.0714	1.0796	1.0925	0.0069092	1.0721	1.0794	1.094	0.0069588	-0.0029	-0.00023	0.0019	0.0014016
50	1.0741	1.0795	1.0871	0.0043619	1.0743	1.0789	1.087	0.0041995	-0.0026	-0.00055	0.0007	0.0010025
100	1.0722	1.0757	1.0826	0.0031489	1.0694	1.0748	1.0816	0.0033586	-0.0028	-0.00093	0.0011	0.0010563

Device Test: 23.26 _HRESHOLD|FALL/PWRGD/14////@VSENSE_VTH_FALLING_GOOD





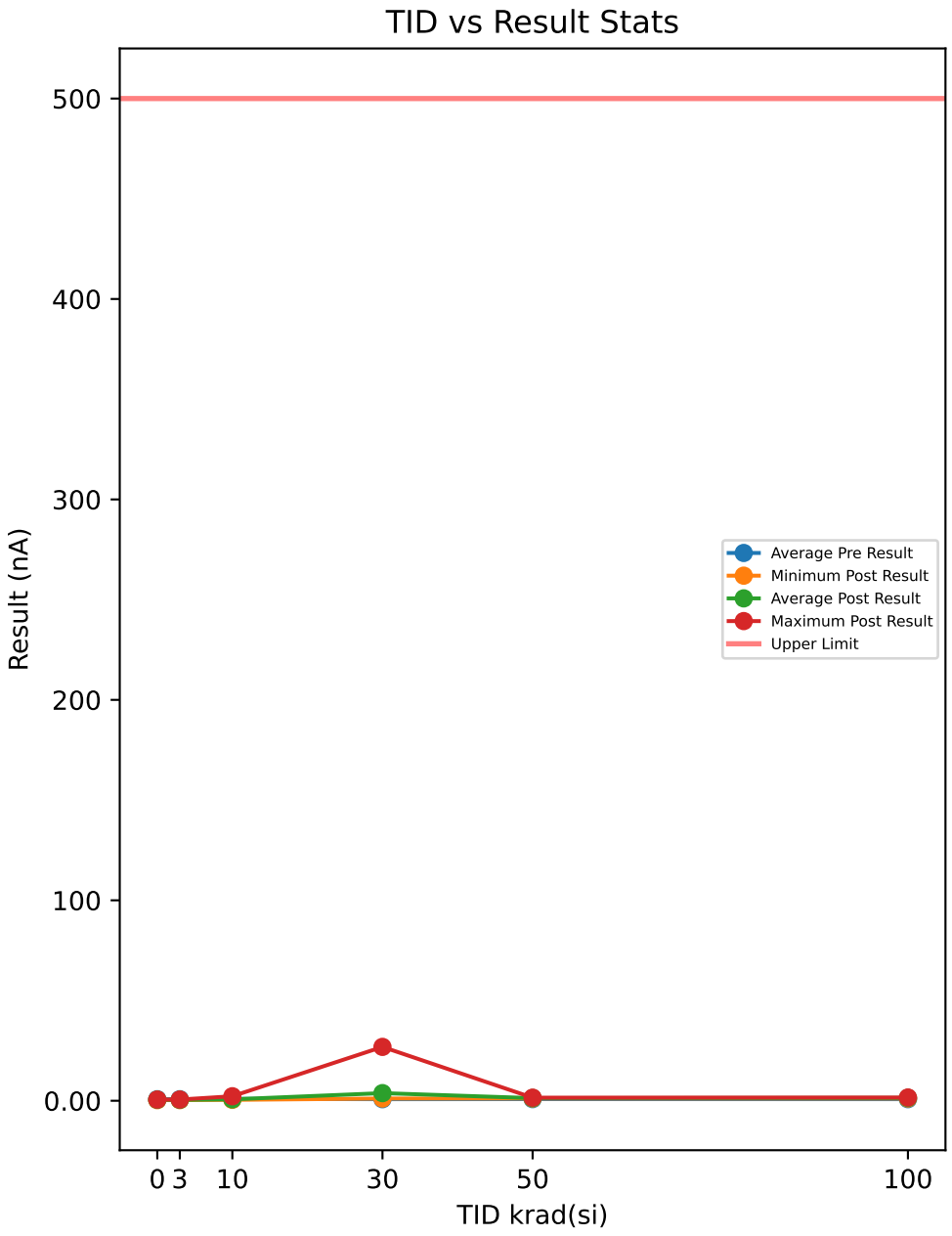
Test Results (Lower Limit = 1.03, Upper Limit = 1.09 ())

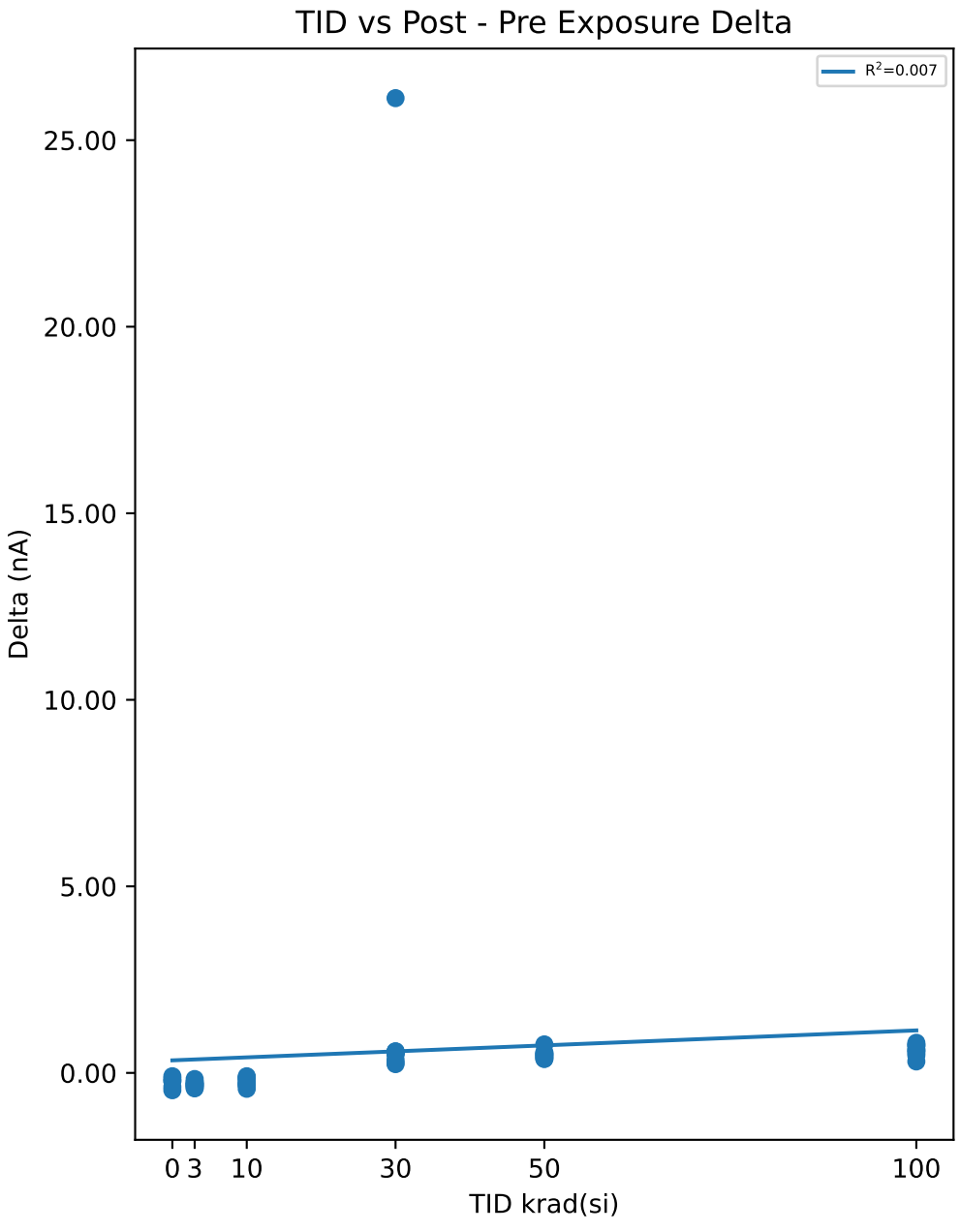
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	LDR Biased	1.0362	1.036	-0.0002
2	3	LDR Biased	1.0359	1.0347	-0.0012
3	3	LDR Biased	1.0446	1.0444	-0.0002
4	3	LDR Biased	1.0567	1.0566	-0.0001
5	3	LDR Biased	1.0609	1.0606	-0.0003
6	10	LDR Biased	1.0485	1.0476	-0.0009
7	10	LDR Biased	1.0426	1.0427	0.0001
8	10	LDR Biased	1.0468	1.0467	-0.0001
9	10	LDR Biased	1.0468	1.0464	-0.0004
10	10	LDR Biased	1.0519	1.0517	-0.0002
11	30	LDR Biased	1.0491	1.0506	0.0015
12	30	LDR Biased	1.0475	1.0463	-0.0012
13	30	LDR Biased	1.0431	1.0423	-0.0008
14	30	LDR Biased	1.0575	1.0549	-0.0026
15	30	LDR Biased	1.045	1.0438	-0.0012
16	50	LDR Biased	1.0444	1.0437	-0.0007
17	50	LDR Biased	1.0506	1.048	-0.0026
18	50	LDR Biased	1.0554	1.0551	-0.0003
19	50	LDR Biased	1.0493	1.0488	-0.0005
20	50	LDR Biased	1.0518	1.0502	-0.0016
21	100	LDR Biased	1.0456	1.044	-0.0016
22	100	LDR Biased	1.0449	1.0445	-0.0004
23	100	LDR Biased	1.0403	1.0377	-0.0026
24	100	LDR Biased	1.0444	1.0427	-0.0017
25	100	LDR Biased	1.0444	1.0434	-0.001
26	3	LDR Unbiased	1.0517	1.0519	0.0002
27	3	LDR Unbiased	1.05	1.0497	-0.0003
28	3	LDR Unbiased	1.0528	1.0529	0.0001
29	3	LDR Unbiased	1.0482	1.0484	0.0002
30	3	LDR Unbiased	1.0606	1.0613	0.0007
31	10	LDR Unbiased	1.0561	1.0572	0.0011
32	10	LDR Unbiased	1.0465	1.0467	0.0002
33	10	LDR Unbiased	1.0519	1.0517	-0.0002
34	10	LDR Unbiased	1.0473	1.0474	0.0001
35	10	LDR Unbiased	1.0475	1.0468	-0.0007
36	30	LDR Unbiased	1.0397	1.0401	0.0004
37	30	LDR Unbiased	1.0486	1.0482	-0.0004
38	30	LDR Unbiased	1.0453	1.0455	0.0002
39	30	LDR Unbiased	1.0413	1.0407	-0.0006
40	30	LDR Unbiased	1.0604	1.0616	0.0012
41	50	LDR Unbiased	1.0497	1.05	0.0003
42	50	LDR Unbiased	1.0426	1.0433	0.0007
43	50	LDR Unbiased	1.0442	1.0429	-0.0013
44	50	LDR Unbiased	1.0433	1.0423	-0.001
45	50	LDR Unbiased	1.0452	1.0455	0.0003
46	100	LDR Unbiased	1.0505	1.0496	-0.0009
47	100	LDR Unbiased	1.0458	1.0458	0
48	100	LDR Unbiased	1.0408	1.0399	-0.0009
49	100	LDR Unbiased	1.0423	1.0417	-0.0006
50	100	LDR Unbiased	1.0414	1.0426	0.0012
60	0	Correlation	1.0479	1.0481	0.0002
61	0	Correlation	1.052	1.0522	0.0002
62	0	Correlation	1.0489	1.0489	0
63	0	Correlation	1.0495	1.0498	0.0003
64	0	Correlation	1.0523	1.0524	0.0001
65	0	Correlation	1.0591	1.0589	-0.0002

Test Statistics ()

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	1.0479	1.0516	1.0591	0.0040568	1.0481	1.0517	1.0589	0.003924	-0.0002	0.0001	0.0003	0.00017889
3	1.0359	1.0498	1.0609	0.0088686	1.0347	1.0496	1.0613	0.0091803	-0.0012	-0.00011	0.0007	0.00049092
10	1.0426	1.0486	1.0561	0.0037687	1.0427	1.0485	1.0572	0.0040223	-0.0009	-0.0001	0.0011	0.00054975
30	1.0397	1.0477	1.0604	0.0066607	1.0401	1.0474	1.0616	0.0067556	-0.0026	-0.00035	0.0015	0.0012232
50	1.0426	1.0476	1.0554	0.0042922	1.0423	1.047	1.0551	0.0041475	-0.0026	-0.00067	0.0007	0.0010012
100	1.0403	1.044	1.0505	0.0030321	1.0377	1.0432	1.0496	0.0032333	-0.0026	-0.00085	0.0012	0.0010309

Device Test: 23.27 _LEAK|MAX/PWRGD/14////@PWRGD_OUTPUT_HIGH_LEAK





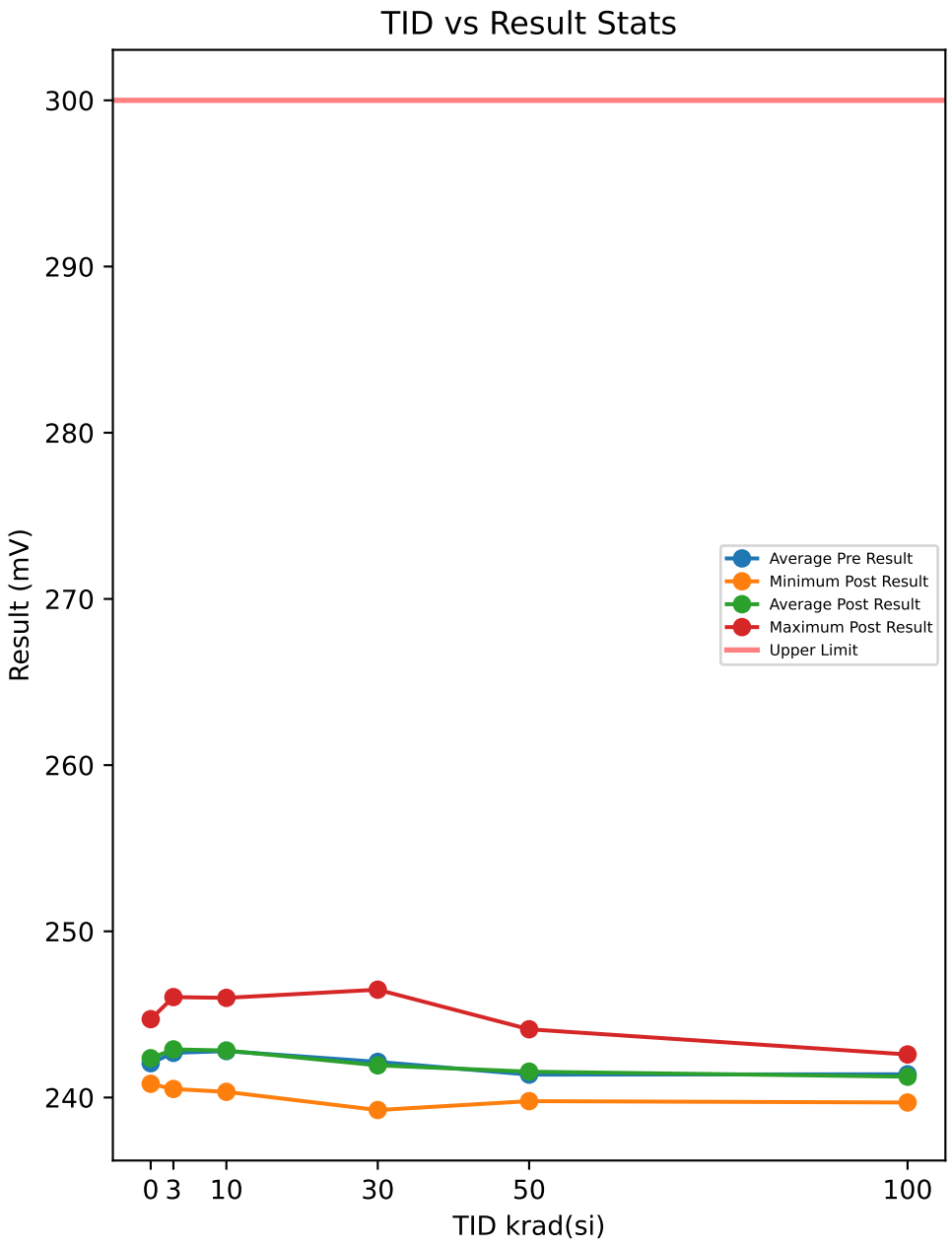
Test Results (Upper Limit = 500.0 (nA))

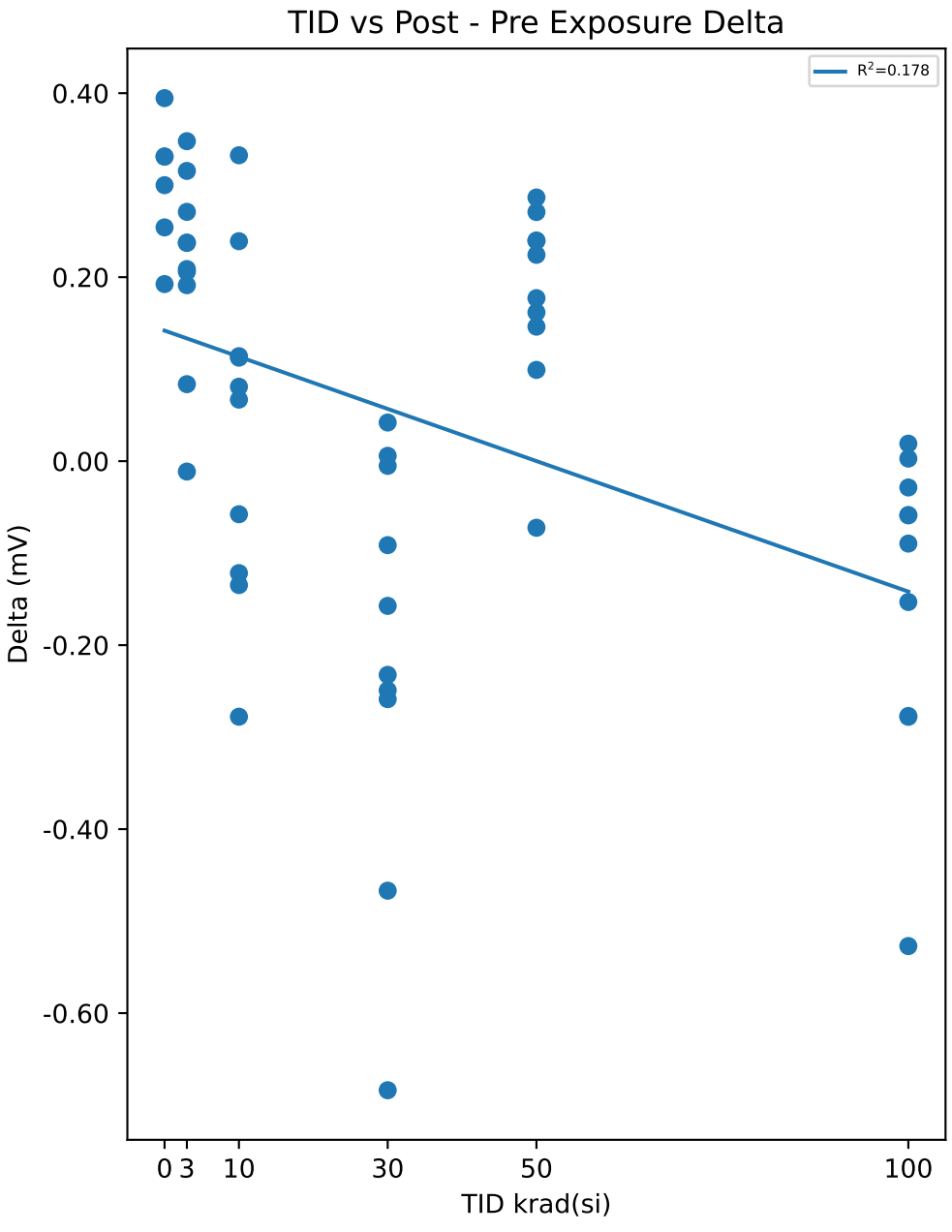
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	LDR Biased	0.7667	0.3524	-0.4143
2	3	LDR Biased	0.6168	0.3336	-0.2832
3	3	LDR Biased	0.6418	0.3242	-0.3176
4	3	LDR Biased	0.5794	0.3399	-0.2395
5	3	LDR Biased	0.6543	0.4898	-0.1645
6	10	LDR Biased	0.8978	0.571	-0.3268
7	10	LDR Biased	2.6707	2.2451	-0.4256
8	10	LDR Biased	0.8197	0.521	-0.2987
9	10	LDR Biased	0.8072	0.6522	-0.155
10	10	LDR Biased	0.7261	0.4523	-0.2738
11	30	LDR Biased	0.7448	26.871	26.127
12	30	LDR Biased	0.7542	1.1048	0.3506
13	30	LDR Biased	0.9103	1.183	0.2727
14	30	LDR Biased	0.7667	1.2893	0.5226
15	30	LDR Biased	0.7167	1.2924	0.5757
16	50	LDR Biased	1.1568	1.5368	0.38
17	50	LDR Biased	0.7698	1.1437	0.3739
18	50	LDR Biased	0.6574	1.1499	0.4925
19	50	LDR Biased	0.7854	1.256	0.4706
20	50	LDR Biased	0.7355	1.2342	0.4987
21	100	LDR Biased	0.9852	1.5985	0.6133
22	100	LDR Biased	0.801	1.3268	0.5258
23	100	LDR Biased	0.8728	1.4517	0.5789
24	100	LDR Biased	0.8197	1.1269	0.3072
25	100	LDR Biased	0.7105	1.5173	0.8068
26	3	LDR Unbiased	0.8229	0.4648	-0.3581
27	3	LDR Unbiased	0.9009	0.5835	-0.3174
28	3	LDR Unbiased	0.7854	0.4585	-0.3269
29	3	LDR Unbiased	0.8572	0.6022	-0.255
30	3	LDR Unbiased	0.9009	0.5054	-0.3955
31	10	LDR Unbiased	0.5825	0.4929	-0.0896
32	10	LDR Unbiased	0.8229	0.4991	-0.3238
33	10	LDR Unbiased	0.6605	0.5241	-0.1364
34	10	LDR Unbiased	0.6761	0.546	-0.1301
35	10	LDR Unbiased	0.7823	0.5522	-0.2301
36	30	LDR Unbiased	0.7542	1.3299	0.5757
37	30	LDR Unbiased	0.7854	1.2768	0.4914
38	30	LDR Unbiased	0.9196	1.1548	0.2352
39	30	LDR Unbiased	0.7105	1.2518	0.5413
40	30	LDR Unbiased	0.723	1.283	0.56
41	50	LDR Unbiased	0.8322	1.2654	0.4332
42	50	LDR Unbiased	1.0975	1.518	0.4205
43	50	LDR Unbiased	0.7417	1.2716	0.5299
44	50	LDR Unbiased	0.6918	1.2435	0.5517
45	50	LDR Unbiased	0.7261	1.49	0.7639
46	100	LDR Unbiased	0.8541	1.3237	0.4696
47	100	LDR Unbiased	0.8728	1.6204	0.7476
48	100	LDR Unbiased	0.5419	1.1613	0.6194
49	100	LDR Unbiased	0.7074	1.4611	0.7537
50	100	LDR Unbiased	0.7604	1.4705	0.7101
60	0	Correlation	0.7479	0.596	-0.1519
61	0	Correlation	0.929	0.4648	-0.4642
62	0	Correlation	0.904	0.5273	-0.3767
63	0	Correlation	0.6418	0.5522	-0.0896
64	0	Correlation	0.5232	0.3024	-0.2208
65	0	Correlation	0.7386	0.5304	-0.2082

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	0.5232	0.74742	0.929	0.15427	0.3024	0.49552	0.596	0.10371	-0.4642	-0.2519	-0.0896	0.14133
3	0.5794	0.75263	0.9009	0.12089	0.3242	0.44543	0.6022	0.10368	-0.4143	-0.3072	-0.1645	0.07506
10	0.5825	0.94458	2.6707	0.61363	0.4523	0.70559	2.2451	0.54356	-0.4256	-0.23899	-0.0896	0.1087
30	0.7105	0.77854	0.9196	0.075504	1.1048	3.8037	26.871	8.1054	0.2352	3.0252	26.127	8.118
50	0.6574	0.81942	1.1568	0.16973	1.1437	1.3109	1.5368	0.14792	0.3739	0.49149	0.7639	0.11279
100	0.5419	0.79258	0.9852	0.1213	1.1269	1.4058	1.6204	0.1685	0.3072	0.61324	0.8068	0.15194

Device Test: 23.28 _VOL|2mA/PWRGD/14////@PWRGD_OUTPUT_LOW





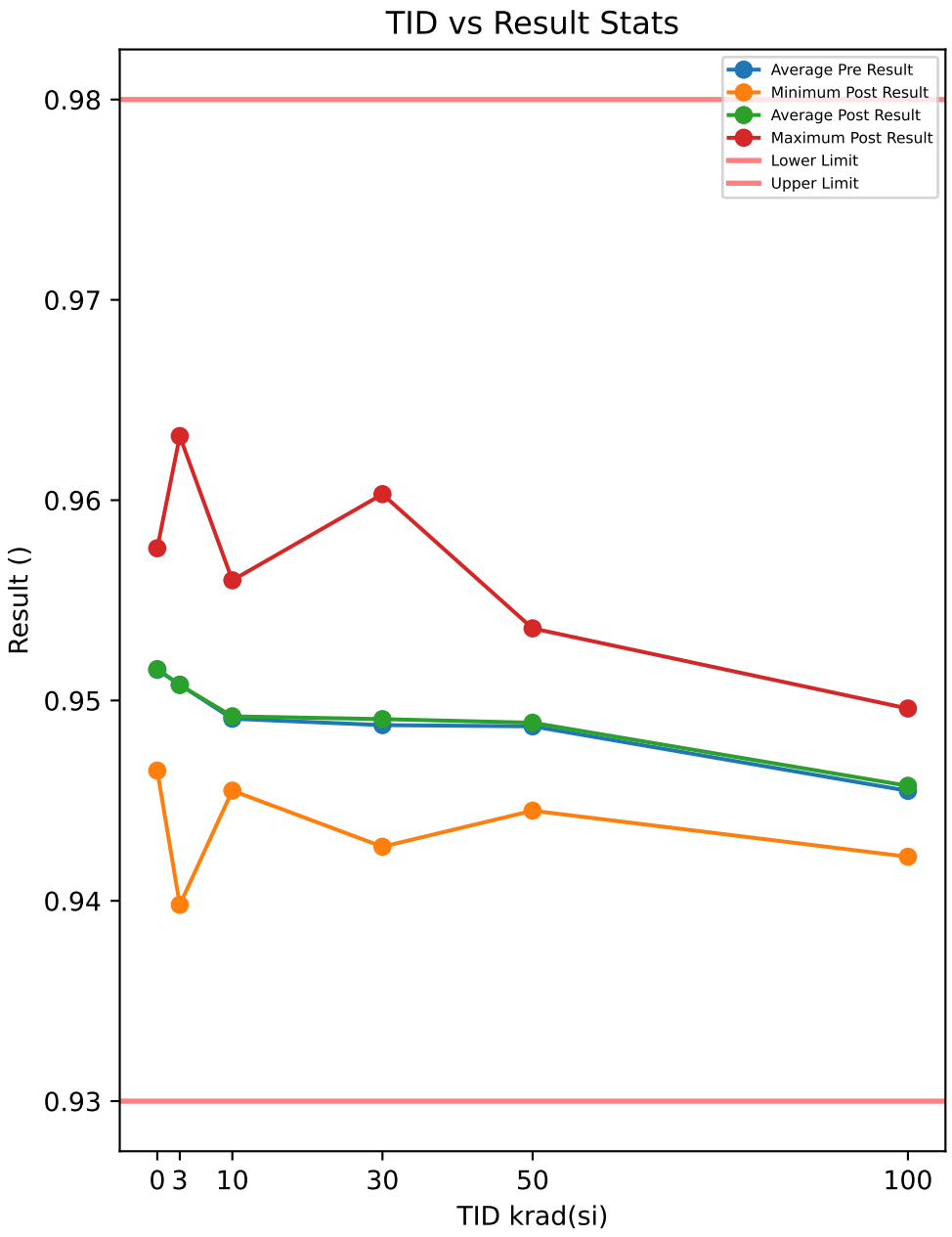
Test Results (Upper Limit = 300.0 (mV))

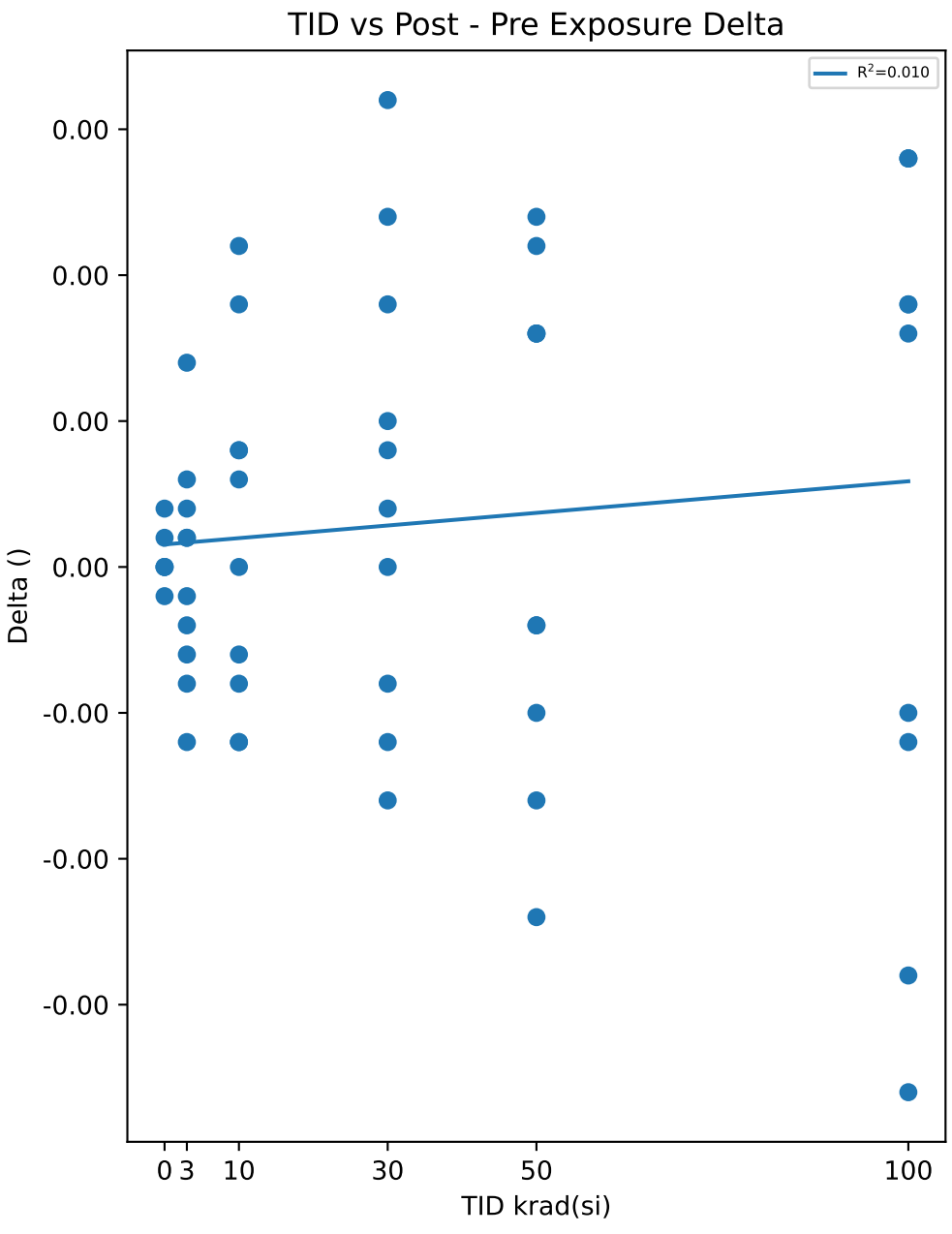
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	LDR Biased	240.31	240.51	0.206
2	3	LDR Biased	245.66	245.75	0.0837
3	3	LDR Biased	243.1	243.09	-0.0113
4	3	LDR Biased	240.93	241.17	0.2376
5	3	LDR Biased	240.6	240.92	0.3155
6	10	LDR Biased	246.13	246	-0.1347
7	10	LDR Biased	240.92	240.79	-0.1217
8	10	LDR Biased	241.26	240.98	-0.2778
9	10	LDR Biased	243.9	243.84	-0.0577
10	10	LDR Biased	243.27	243.34	0.0669
11	30	LDR Biased	242.71	242.45	-0.2587
12	30	LDR Biased	241.24	240.56	-0.6838
13	30	LDR Biased	240.07	239.61	-0.4669
14	30	LDR Biased	239.5	239.25	-0.2491
15	30	LDR Biased	240.14	239.9	-0.2323
16	50	LDR Biased	240.92	240.84	-0.0724
17	50	LDR Biased	242.4	242.58	0.1772
18	50	LDR Biased	240.99	241.16	0.1617
19	50	LDR Biased	242.52	242.62	0.0992
20	50	LDR Biased	239.64	239.78	0.1462
21	100	LDR Biased	242.43	241.9	-0.5271
22	100	LDR Biased	240.96	240.69	-0.2779
23	100	LDR Biased	240.06	240.06	0.0028
24	100	LDR Biased	242.73	242.45	-0.277
25	100	LDR Biased	241.88	241.83	-0.0587
26	3	LDR Unbiased	240.42	240.65	0.2372
27	3	LDR Unbiased	245.21	245.48	0.271
28	3	LDR Unbiased	242.71	243.06	0.3478
29	3	LDR Unbiased	245.83	246.04	0.2088
30	3	LDR Unbiased	242.09	242.28	0.1913
31	10	LDR Unbiased	243.9	244.01	0.1141
32	10	LDR Unbiased	240.73	240.84	0.1125
33	10	LDR Unbiased	243.54	243.87	0.3325
34	10	LDR Unbiased	244.02	244.26	0.2391
35	10	LDR Unbiased	240.26	240.34	0.0809
36	30	LDR Unbiased	246.65	246.49	-0.1573
37	30	LDR Unbiased	240.23	240.14	-0.0913
38	30	LDR Unbiased	241.93	241.94	0.0058
39	30	LDR Unbiased	244.44	244.44	-0.0051
40	30	LDR Unbiased	244.54	244.58	0.042
41	50	LDR Unbiased	239.67	239.89	0.2243
42	50	LDR Unbiased	243.84	244.11	0.2708
43	50	LDR Unbiased	241.63	241.92	0.2866
44	50	LDR Unbiased	239.62	239.86	0.2398
45	50	LDR Unbiased	242.56	242.79	0.2396
46	100	LDR Unbiased	241.79	241.73	-0.0588
47	100	LDR Unbiased	242.68	242.59	-0.0896
48	100	LDR Unbiased	240.65	240.5	-0.1531
49	100	LDR Unbiased	241.07	241.09	0.019
50	100	LDR Unbiased	239.73	239.7	-0.0286
60	0	Correlation	240.49	240.83	0.331
61	0	Correlation	242.63	243.03	0.3946
62	0	Correlation	242.82	243.07	0.2541
63	0	Correlation	240.81	241.14	0.3312
64	0	Correlation	244.52	244.71	0.1925
65	0	Correlation	241.1	241.4	0.3

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	240.49	242.06	244.52	1.5431	240.83	242.36	244.71	1.501	0.1925	0.30057	0.3946	0.070064
3	240.31	242.69	245.83	2.2081	240.51	242.9	246.04	2.1791	-0.0113	0.20876	0.3478	0.10573
10	240.26	242.79	246.13	1.8981	240.34	242.83	246	1.9305	-0.2778	0.03541	0.3325	0.18419
30	239.5	242.14	246.65	2.3913	239.25	241.94	246.49	2.4981	-0.6838	-0.20967	0.042	0.22701
50	239.62	241.38	243.84	1.4628	239.78	241.56	244.11	1.4837	-0.0724	0.1773	0.2866	0.10559
100	239.73	241.4	242.73	1.0698	239.7	241.25	242.59	0.99731	-0.5271	-0.1449	0.019	0.17042

Device Test: 23.3 _HRESHOLD|RISE/PWRGD/4.5////@VSENSE_VTH_RISING_GOOD





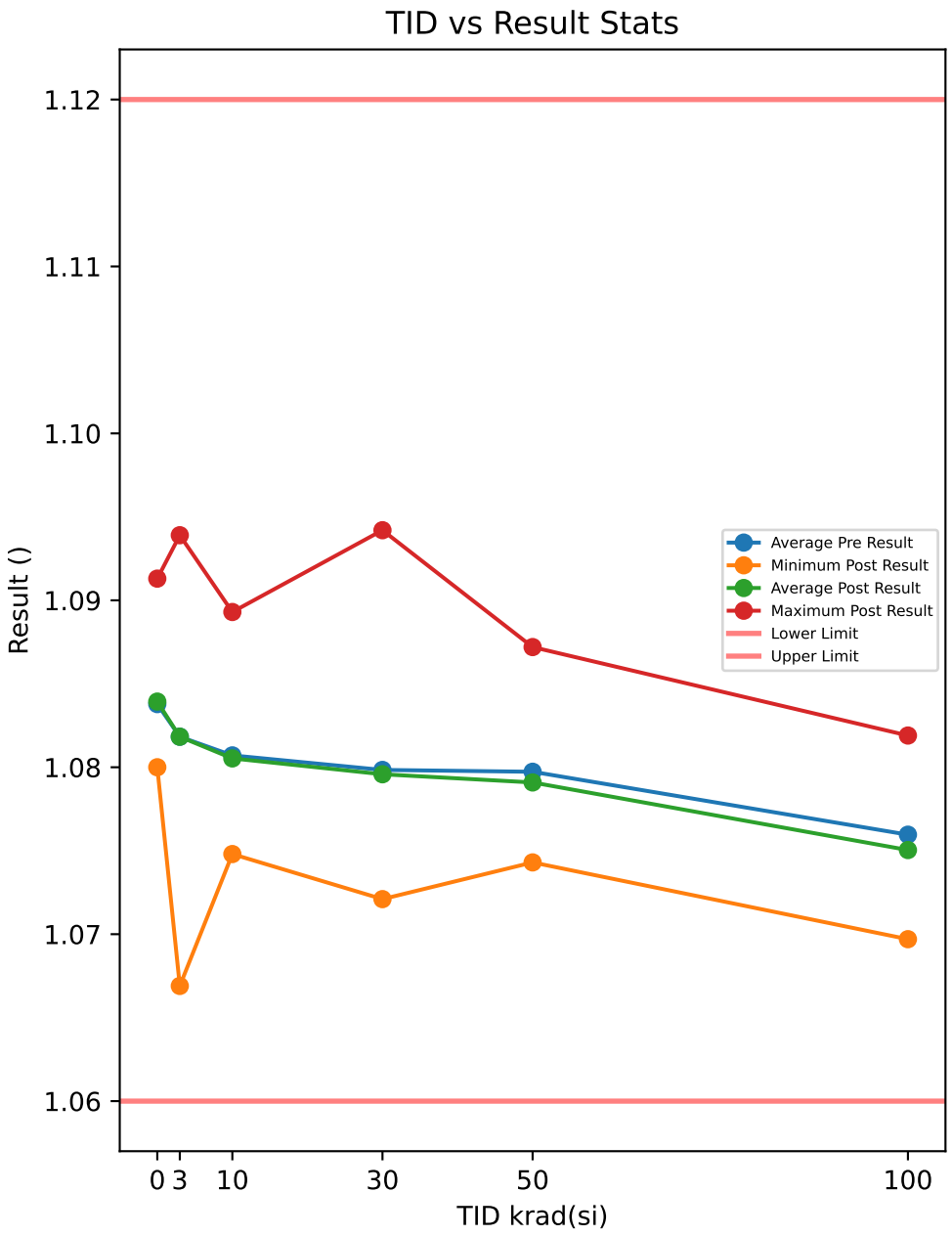
Test Results (Lower Limit = 0.93, Upper Limit = 0.98 ())

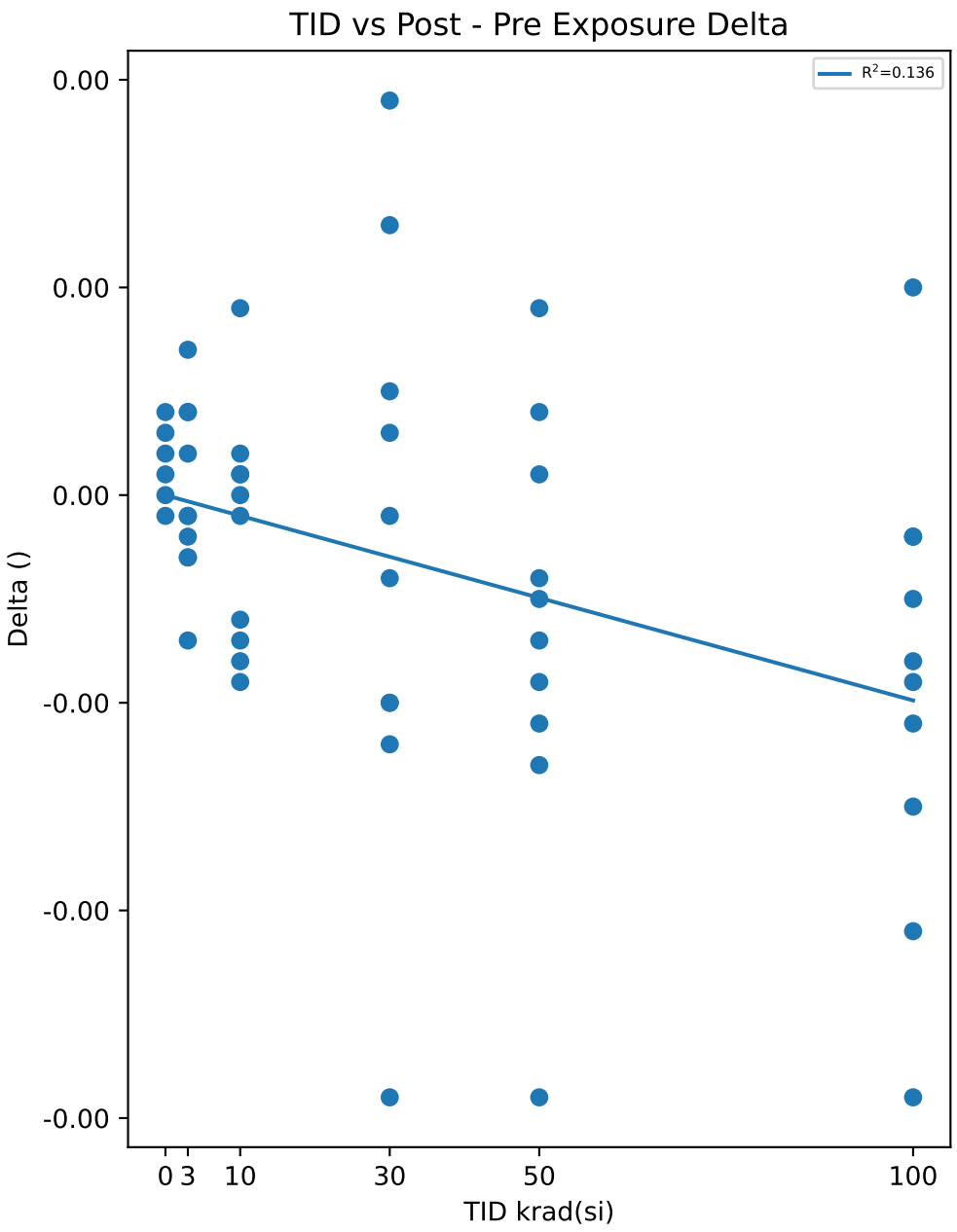
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	LDR Biased	0.9409	0.9408	-0.0001
2	3	LDR Biased	0.9404	0.9398	-0.0006
3	3	LDR Biased	0.9467	0.9465	-0.0002
4	3	LDR Biased	0.9566	0.9567	0.0001
5	3	LDR Biased	0.9573	0.9569	-0.0004
6	10	LDR Biased	0.9507	0.9501	-0.0006
7	10	LDR Biased	0.9455	0.9458	0.0003
8	10	LDR Biased	0.9446	0.9455	0.0009
9	10	LDR Biased	0.9481	0.9475	-0.0006
10	10	LDR Biased	0.9516	0.9512	-0.0004
11	30	LDR Biased	0.9519	0.9535	0.0016
12	30	LDR Biased	0.948	0.9489	0.0009
13	30	LDR Biased	0.9429	0.9434	0.0005
14	30	LDR Biased	0.9582	0.9574	-0.0008
15	30	LDR Biased	0.9454	0.9458	0.0004
16	50	LDR Biased	0.9471	0.9479	0.0008
17	50	LDR Biased	0.9534	0.9529	-0.0005
18	50	LDR Biased	0.9525	0.9536	0.0011
19	50	LDR Biased	0.9508	0.9516	0.0008
20	50	LDR Biased	0.951	0.9502	-0.0008
21	100	LDR Biased	0.9463	0.9477	0.0014
22	100	LDR Biased	0.9451	0.946	0.0009
23	100	LDR Biased	0.9436	0.9422	-0.0014
24	100	LDR Biased	0.9454	0.9449	-0.0005
25	100	LDR Biased	0.9456	0.9464	0.0008
26	3	LDR Unbiased	0.9519	0.9521	0.0002
27	3	LDR Unbiased	0.9503	0.9504	0.0001
28	3	LDR Unbiased	0.9537	0.9534	-0.0003
29	3	LDR Unbiased	0.9476	0.9479	0.0003
30	3	LDR Unbiased	0.9625	0.9632	0.0007
31	10	LDR Unbiased	0.9549	0.956	0.0011
32	10	LDR Unbiased	0.9468	0.9465	-0.0003
33	10	LDR Unbiased	0.9527	0.9531	0.0004
34	10	LDR Unbiased	0.9489	0.9493	0.0004
35	10	LDR Unbiased	0.9471	0.9471	0
36	30	LDR Unbiased	0.9415	0.9427	0.0012
37	30	LDR Unbiased	0.947	0.947	0
38	30	LDR Unbiased	0.9496	0.949	-0.0006
39	30	LDR Unbiased	0.9431	0.9427	-0.0004
40	30	LDR Unbiased	0.9601	0.9603	0.0002
41	50	LDR Unbiased	0.9479	0.9467	-0.0012
42	50	LDR Unbiased	0.9433	0.9445	0.0012
43	50	LDR Unbiased	0.9475	0.9483	0.0008
44	50	LDR Unbiased	0.9462	0.946	-0.0002
45	50	LDR Unbiased	0.9474	0.9472	-0.0002
46	100	LDR Unbiased	0.9502	0.9496	-0.0006
47	100	LDR Unbiased	0.947	0.9484	0.0014
48	100	LDR Unbiased	0.9442	0.9424	-0.0018
49	100	LDR Unbiased	0.9452	0.9461	0.0009
50	100	LDR Unbiased	0.9423	0.9437	0.0014
60	0	Correlation	0.9514	0.9516	0.0002
61	0	Correlation	0.9501	0.9501	0
62	0	Correlation	0.9492	0.9492	0
63	0	Correlation	0.9465	0.9465	0
64	0	Correlation	0.9543	0.9544	0.0001
65	0	Correlation	0.9577	0.9576	-0.0001

Test Statistics ()

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	0.9465	0.95153	0.9577	0.0039632	0.9465	0.95157	0.9576	0.003946	-0.0001	3.3333e-05	0.0002	0.00010328
3	0.9404	0.95079	0.9625	0.007117	0.9398	0.95077	0.9632	0.0073203	-0.0006	-2e-05	0.0007	0.00037947
10	0.9446	0.94909	0.9549	0.0033158	0.9455	0.94921	0.956	0.0034336	-0.0006	0.00012	0.0011	0.00060148
30	0.9415	0.94877	0.9601	0.0063449	0.9427	0.94907	0.9603	0.0061774	-0.0008	0.0003	0.0016	0.00078316
50	0.9433	0.94871	0.9534	0.0031264	0.9445	0.94889	0.9536	0.0030538	-0.0012	0.00018	0.0012	0.00085997
100	0.9423	0.94549	0.9502	0.0021289	0.9422	0.94574	0.9496	0.0024722	-0.0018	0.00025	0.0014	0.0012168

Device Test: 23.4 _HRESHOLD|RISE/PWRGD/4.5////@VSENSE_VTH_RISING_FAULT





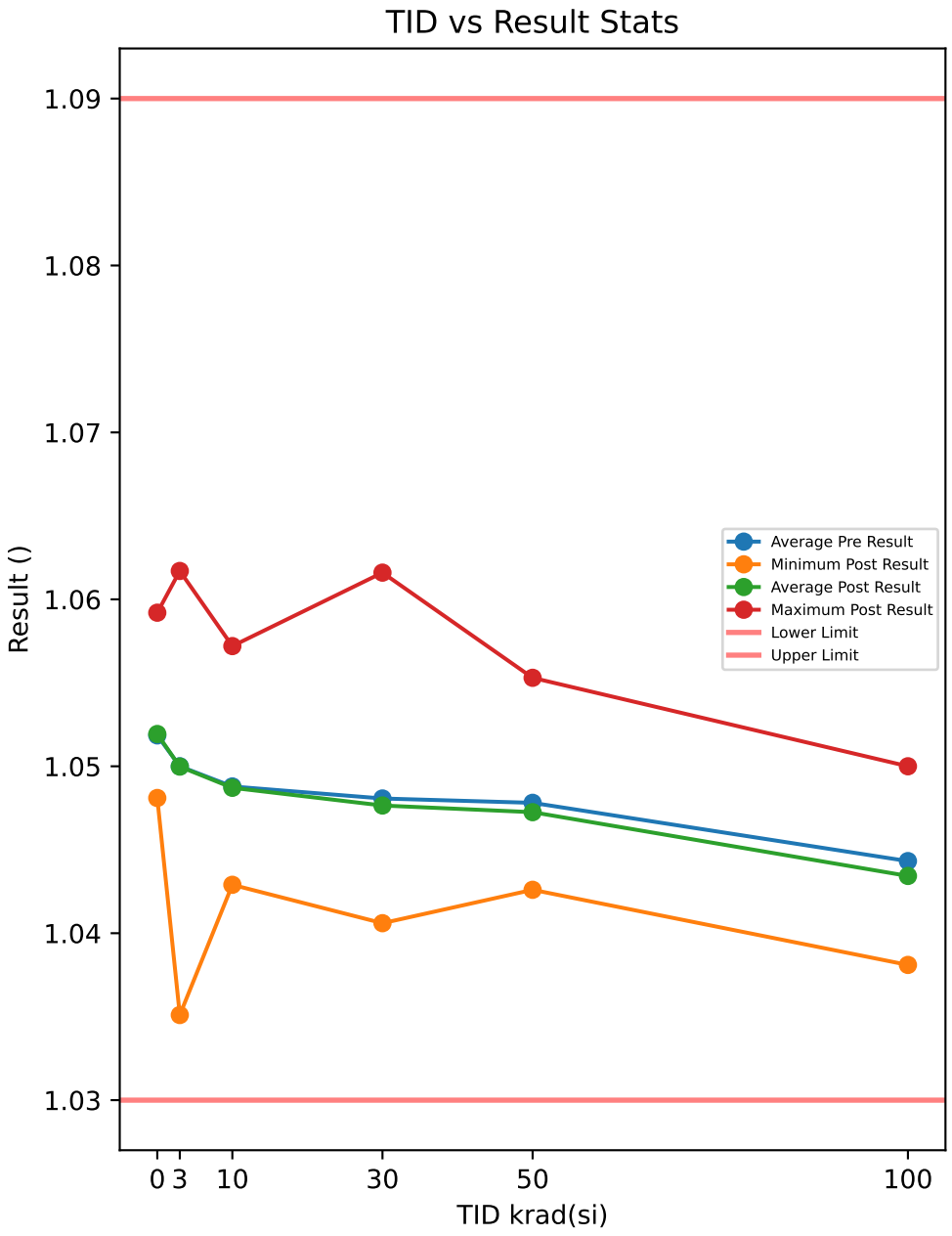
Test Results (Lower Limit = 1.06, Upper Limit = 1.12 ())

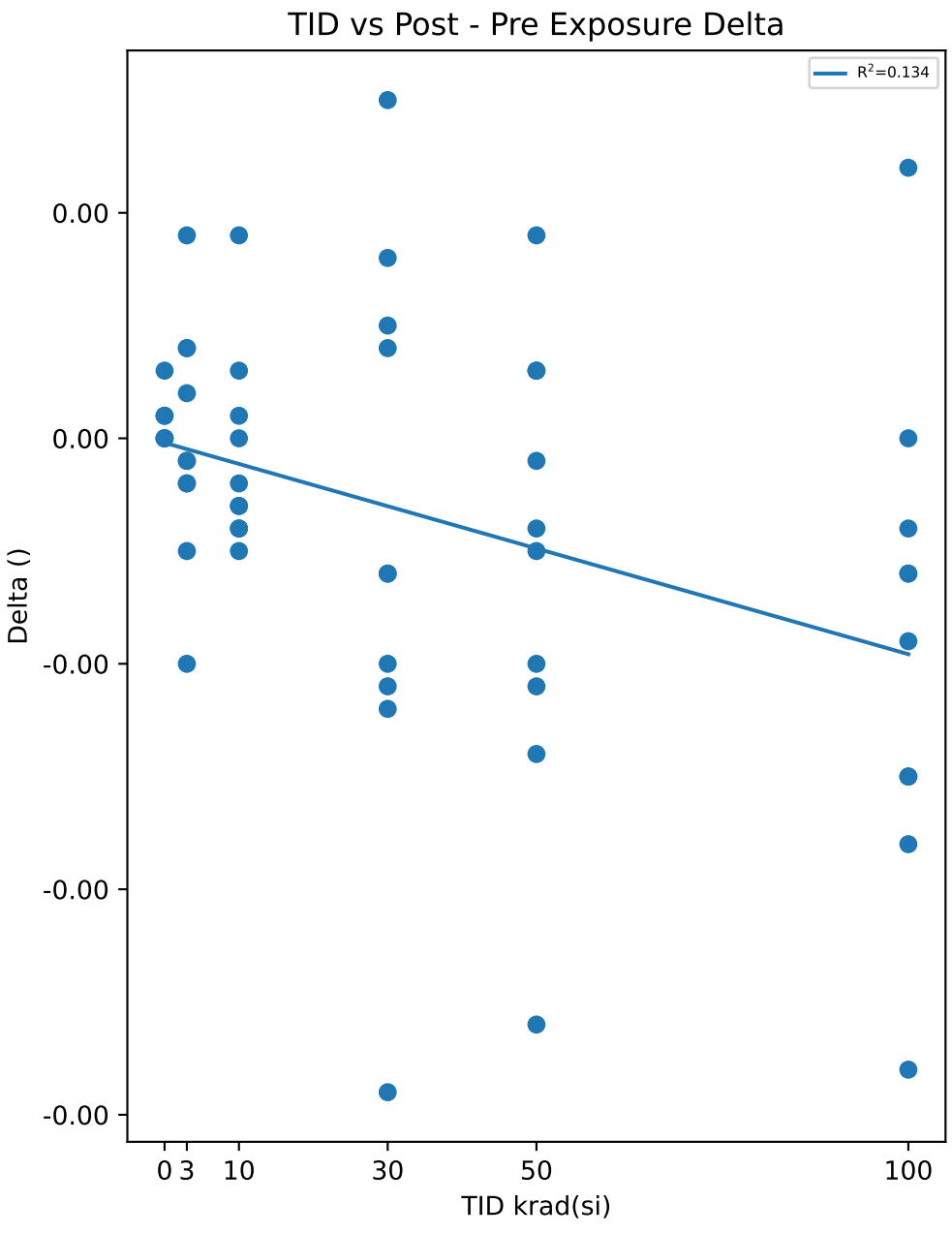
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	LDR Biased	1.0681	1.0679	-0.0002
2	3	LDR Biased	1.0676	1.0669	-0.0007
3	3	LDR Biased	1.0765	1.0764	-0.0001
4	3	LDR Biased	1.089	1.0887	-0.0003
5	3	LDR Biased	1.0932	1.0931	-0.0001
6	10	LDR Biased	1.0804	1.0797	-0.0007
7	10	LDR Biased	1.0747	1.0748	0.0001
8	10	LDR Biased	1.0787	1.0788	0.0001
9	10	LDR Biased	1.0789	1.0781	-0.0008
10	10	LDR Biased	1.084	1.084	0
11	30	LDR Biased	1.081	1.0829	0.0019
12	30	LDR Biased	1.0794	1.0784	-0.001
13	30	LDR Biased	1.0751	1.0741	-0.001
14	30	LDR Biased	1.0901	1.0872	-0.0029
15	30	LDR Biased	1.0772	1.076	-0.0012
16	50	LDR Biased	1.0763	1.0758	-0.0005
17	50	LDR Biased	1.083	1.0801	-0.0029
18	50	LDR Biased	1.0876	1.0872	-0.0004
19	50	LDR Biased	1.0815	1.0808	-0.0007
20	50	LDR Biased	1.0839	1.0828	-0.0011
21	100	LDR Biased	1.0779	1.0758	-0.0021
22	100	LDR Biased	1.0764	1.0762	-0.0002
23	100	LDR Biased	1.0726	1.0697	-0.0029
24	100	LDR Biased	1.0761	1.0746	-0.0015
25	100	LDR Biased	1.0765	1.0757	-0.0008
26	3	LDR Unbiased	1.0836	1.084	0.0004
27	3	LDR Unbiased	1.0821	1.0818	-0.0003
28	3	LDR Unbiased	1.0849	1.0851	0.0002
29	3	LDR Unbiased	1.0801	1.0805	0.0004
30	3	LDR Unbiased	1.0932	1.0939	0.0007
31	10	LDR Unbiased	1.0884	1.0893	0.0009
32	10	LDR Unbiased	1.0786	1.0788	0.0002
33	10	LDR Unbiased	1.0844	1.0838	-0.0006
34	10	LDR Unbiased	1.0794	1.0793	-0.0001
35	10	LDR Unbiased	1.0796	1.0787	-0.0009
36	30	LDR Unbiased	1.0716	1.0721	0.0005
37	30	LDR Unbiased	1.0807	1.0806	-0.0001
38	30	LDR Unbiased	1.0774	1.0777	0.0003
39	30	LDR Unbiased	1.073	1.0726	-0.0004
40	30	LDR Unbiased	1.0929	1.0942	0.0013
41	50	LDR Unbiased	1.082	1.0821	0.0001
42	50	LDR Unbiased	1.0741	1.075	0.0009
43	50	LDR Unbiased	1.0764	1.0751	-0.0013
44	50	LDR Unbiased	1.0752	1.0743	-0.0009
45	50	LDR Unbiased	1.0773	1.0777	0.0004
46	100	LDR Unbiased	1.0828	1.0819	-0.0009
47	100	LDR Unbiased	1.0777	1.0775	-0.0002
48	100	LDR Unbiased	1.0727	1.0716	-0.0011
49	100	LDR Unbiased	1.074	1.0735	-0.0005
50	100	LDR Unbiased	1.0729	1.0739	0.001
60	0	Correlation	1.0796	1.08	0.0004
61	0	Correlation	1.0843	1.0845	0.0002
62	0	Correlation	1.081	1.081	0
63	0	Correlation	1.082	1.0821	0.0001
64	0	Correlation	1.0844	1.0847	0.0003
65	0	Correlation	1.0914	1.0913	-0.0001

Test Statistics ()

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	1.0796	1.0838	1.0914	0.0041734	1.08	1.0839	1.0913	0.0040648	-0.0001	0.00015	0.0004	0.00018708
3	1.0676	1.0818	1.0932	0.0090982	1.0669	1.0818	1.0939	0.0093304	-0.0007	2.2204e-17	0.0007	0.00041899
10	1.0747	1.0807	1.0884	0.0038659	1.0748	1.0805	1.0893	0.0040814	-0.0009	-0.00018	0.0009	0.00056332
30	1.0716	1.0798	1.0929	0.0068975	1.0721	1.0796	1.0942	0.0069627	-0.0029	-0.00026	0.0019	0.0013737
50	1.0741	1.0797	1.0876	0.0044632	1.0743	1.0791	1.0872	0.0042281	-0.0029	-0.00064	0.0009	0.001049
100	1.0726	1.076	1.0828	0.0031483	1.0697	1.075	1.0819	0.0033281	-0.0029	-0.00092	0.001	0.001085

Device Test: 23.5 _HRESHOLD|FALL/PWRGD/4.5////@VSENSE_VTH_FALLING_GOOD





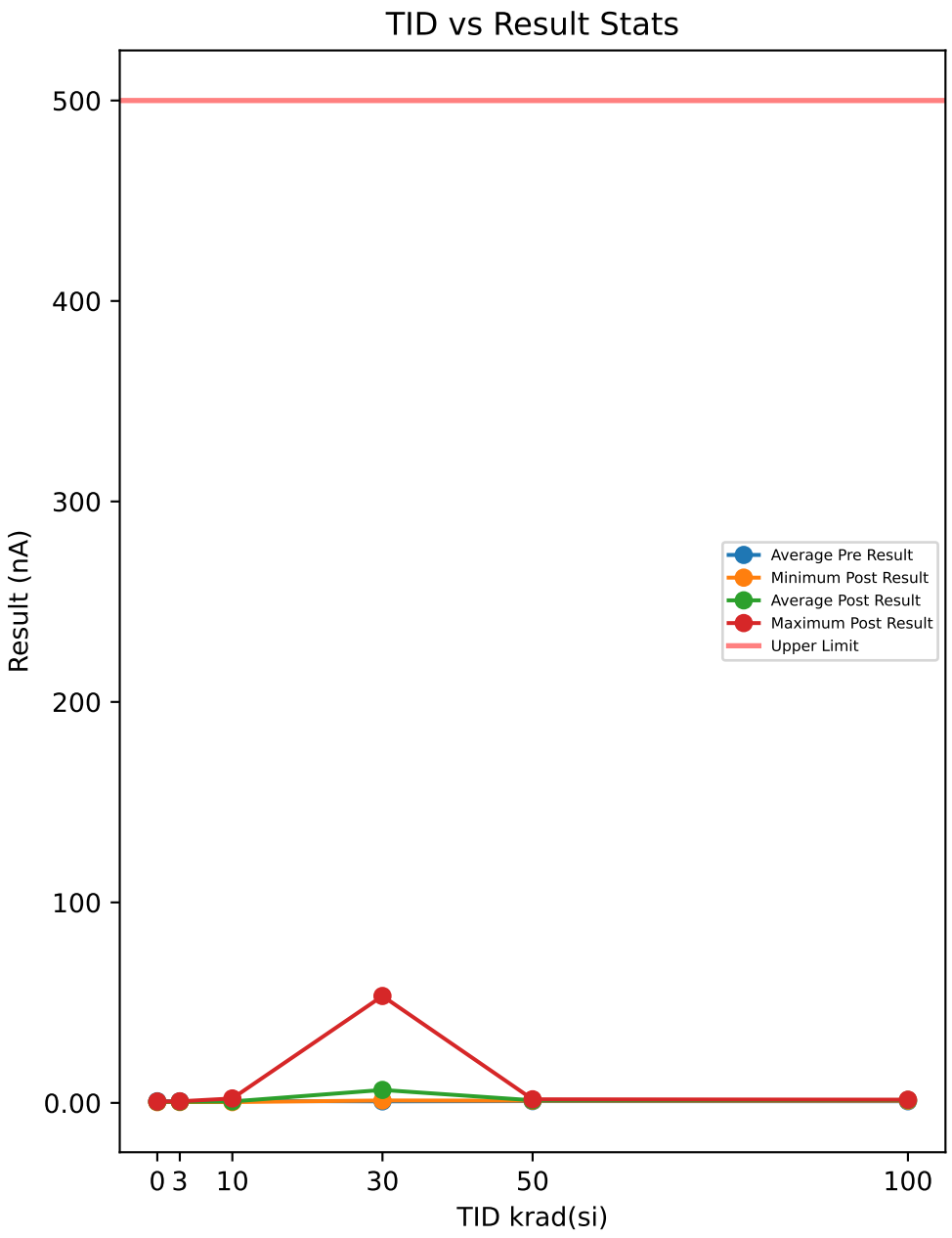
Test Results (Lower Limit = 1.03, Upper Limit = 1.09 ())

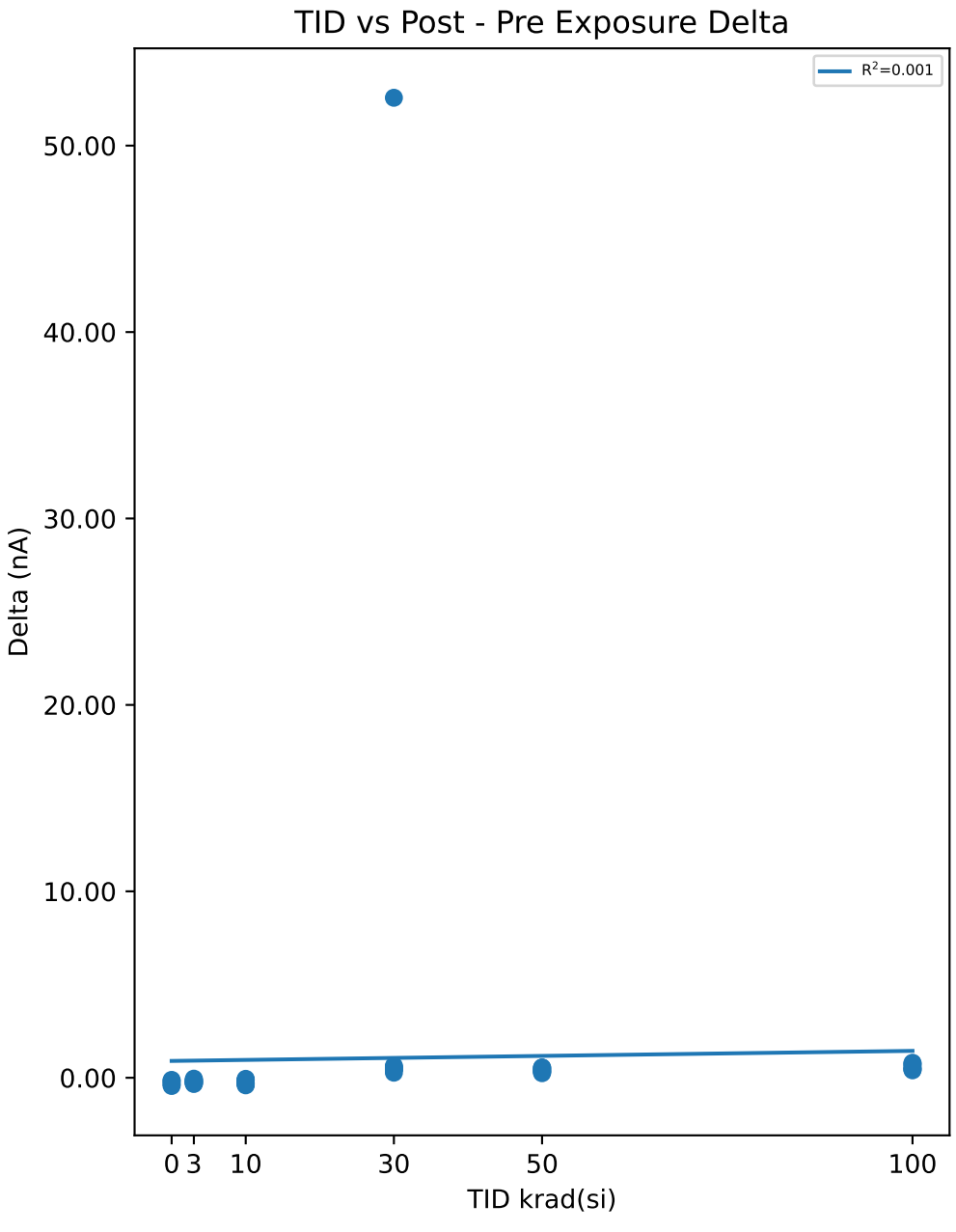
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	LDR Biased	1.0368	1.0366	-0.0002
2	3	LDR Biased	1.0361	1.0351	-0.001
3	3	LDR Biased	1.0448	1.0446	-0.0002
4	3	LDR Biased	1.0571	1.057	-0.0001
5	3	LDR Biased	1.0611	1.061	-0.0001
6	10	LDR Biased	1.0485	1.048	-0.0005
7	10	LDR Biased	1.0428	1.0429	0.0001
8	10	LDR Biased	1.0474	1.0471	-0.0003
9	10	LDR Biased	1.0468	1.0464	-0.0004
10	10	LDR Biased	1.0521	1.0519	-0.0002
11	30	LDR Biased	1.0493	1.0508	0.0015
12	30	LDR Biased	1.0477	1.0465	-0.0012
13	30	LDR Biased	1.0436	1.0425	-0.0011
14	30	LDR Biased	1.058	1.0551	-0.0029
15	30	LDR Biased	1.0452	1.0442	-0.001
16	50	LDR Biased	1.0444	1.044	-0.0004
17	50	LDR Biased	1.0508	1.0482	-0.0026
18	50	LDR Biased	1.0554	1.0553	-0.0001
19	50	LDR Biased	1.0495	1.049	-0.0005
20	50	LDR Biased	1.052	1.0506	-0.0014
21	100	LDR Biased	1.046	1.0442	-0.0018
22	100	LDR Biased	1.0451	1.0447	-0.0004
23	100	LDR Biased	1.0409	1.0381	-0.0028
24	100	LDR Biased	1.0446	1.0431	-0.0015
25	100	LDR Biased	1.0446	1.044	-0.0006
26	3	LDR Unbiased	1.0519	1.0521	0.0002
27	3	LDR Unbiased	1.0502	1.0497	-0.0005
28	3	LDR Unbiased	1.053	1.0534	0.0004
29	3	LDR Unbiased	1.0482	1.0486	0.0004
30	3	LDR Unbiased	1.0608	1.0617	0.0009
31	10	LDR Unbiased	1.0563	1.0572	0.0009
32	10	LDR Unbiased	1.0469	1.0469	0
33	10	LDR Unbiased	1.0523	1.0519	-0.0004
34	10	LDR Unbiased	1.0473	1.0476	0.0003
35	10	LDR Unbiased	1.0475	1.0472	-0.0003
36	30	LDR Unbiased	1.0401	1.0406	0.0005
37	30	LDR Unbiased	1.049	1.0484	-0.0006
38	30	LDR Unbiased	1.0455	1.0459	0.0004
39	30	LDR Unbiased	1.0415	1.0409	-0.0006
40	30	LDR Unbiased	1.0608	1.0616	0.0008
41	50	LDR Unbiased	1.0499	1.0502	0.0003
42	50	LDR Unbiased	1.0428	1.0437	0.0009
43	50	LDR Unbiased	1.0442	1.0432	-0.001
44	50	LDR Unbiased	1.0437	1.0426	-0.0011
45	50	LDR Unbiased	1.0454	1.0457	0.0003
46	100	LDR Unbiased	1.0509	1.05	-0.0009
47	100	LDR Unbiased	1.0458	1.0458	0
48	100	LDR Unbiased	1.0414	1.0399	-0.0015
49	100	LDR Unbiased	1.0425	1.0419	-0.0006
50	100	LDR Unbiased	1.0414	1.0426	0.0012
60	0	Correlation	1.0481	1.0481	0
61	0	Correlation	1.0524	1.0524	0
62	0	Correlation	1.0491	1.0491	0
63	0	Correlation	1.0499	1.05	0.0001
64	0	Correlation	1.0525	1.0528	0.0003
65	0	Correlation	1.0591	1.0592	0.0001

Test Statistics ()

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	1.0481	1.0518	1.0591	0.0039677	1.0481	1.0519	1.0592	0.0040058	0	8.3333e-05	0.0003	0.0001169
3	1.0361	1.05	1.0611	0.0088232	1.0351	1.05	1.0617	0.0091629	-0.001	-2e-05	0.0009	0.00052873
10	1.0428	1.0488	1.0563	0.0037858	1.0429	1.0487	1.0572	0.0039639	-0.0005	-8e-05	0.0009	0.00042635
30	1.0401	1.0481	1.0608	0.0067056	1.0406	1.0476	1.0616	0.0066555	-0.0029	-0.00042	0.0015	0.0012612
50	1.0428	1.0478	1.0554	0.004266	1.0426	1.0473	1.0553	0.0041135	-0.0026	-0.00056	0.0009	0.0010113
100	1.0409	1.0443	1.0509	0.0030025	1.0381	1.0434	1.05	0.0032544	-0.0028	-0.00089	0.0012	0.0010949

Device Test: 23.6 _LEAK|MAX/PWRGD/4.5////@PWRGD_OUTPUT_HIGH_LEAK





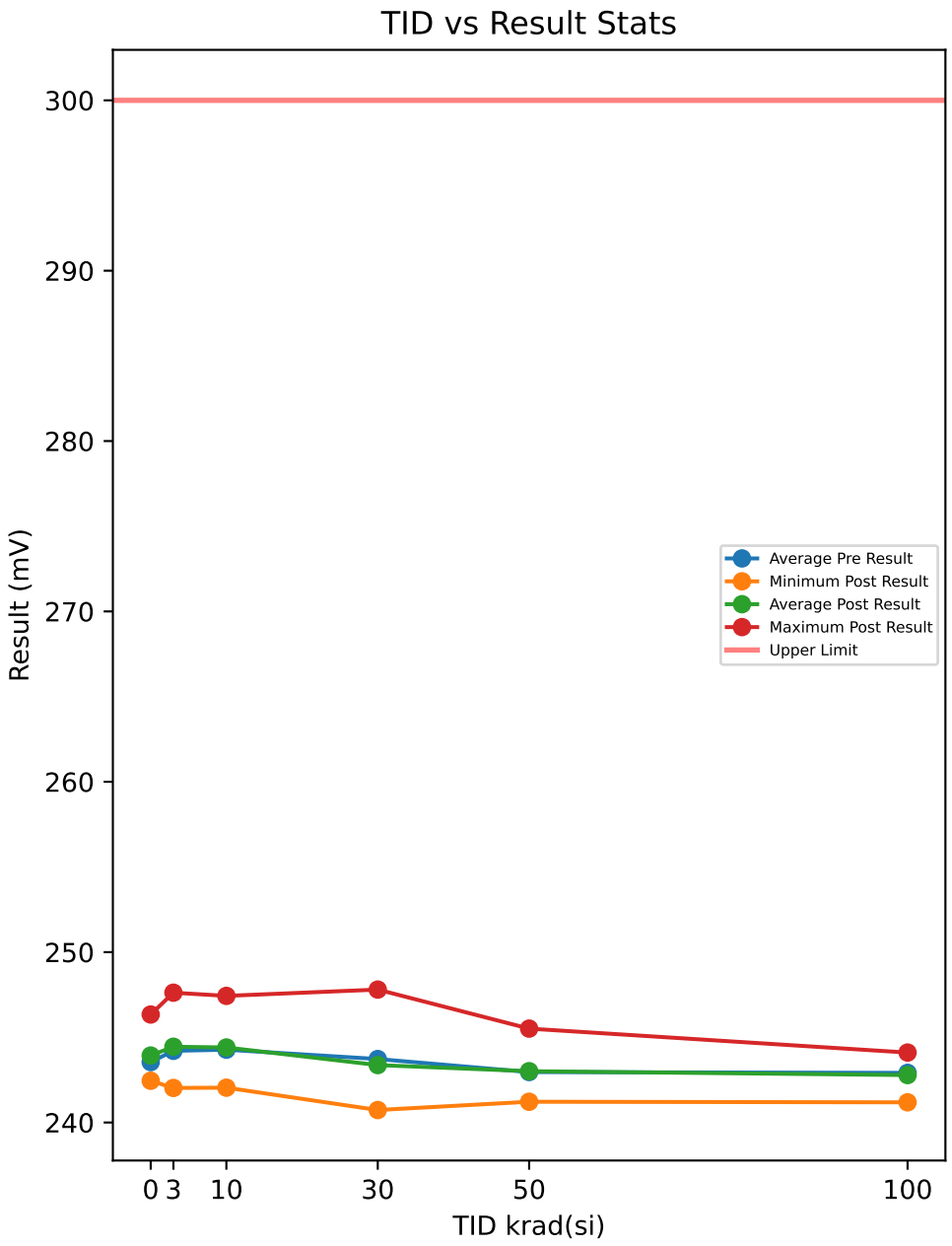
Test Results (Upper Limit = 500.0 (nA))

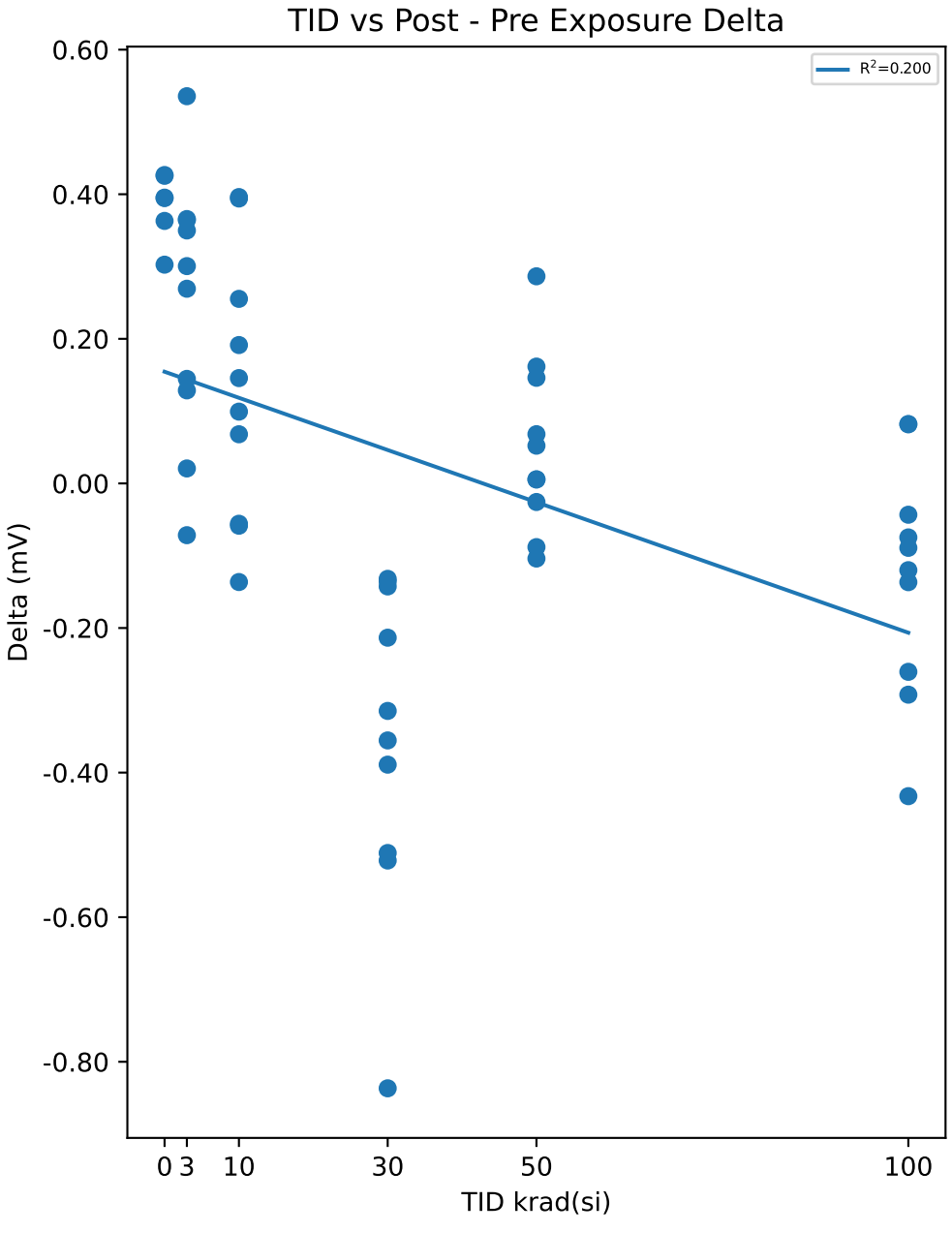
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	LDR Biased	0.7573	0.4242	-0.3331
2	3	LDR Biased	0.6637	0.4991	-0.1646
3	3	LDR Biased	0.7604	0.4773	-0.2831
4	3	LDR Biased	0.8291	0.5554	-0.2737
5	3	LDR Biased	0.5919	0.5429	-0.049
6	10	LDR Biased	0.6918	0.5616	-0.1302
7	10	LDR Biased	2.5708	2.2138	-0.357
8	10	LDR Biased	0.8728	0.6053	-0.2675
9	10	LDR Biased	0.7167	0.5991	-0.1176
10	10	LDR Biased	0.8229	0.5585	-0.2644
11	30	LDR Biased	0.7542	53.323	52.568
12	30	LDR Biased	0.7854	1.2174	0.432
13	30	LDR Biased	0.7323	1.208	0.4757
14	30	LDR Biased	0.6886	1.2299	0.5413
15	30	LDR Biased	0.6605	1.3018	0.6413
16	50	LDR Biased	1.316	1.7894	0.4734
17	50	LDR Biased	0.8041	1.1531	0.349
18	50	LDR Biased	0.8229	1.1219	0.299
19	50	LDR Biased	0.8634	1.1094	0.246
20	50	LDR Biased	0.7479	1.2841	0.5362
21	100	LDR Biased	1.0008	1.5579	0.5571
22	100	LDR Biased	0.7386	1.4705	0.7319
23	100	LDR Biased	0.9508	1.3799	0.4291
24	100	LDR Biased	0.8666	1.3299	0.4633
25	100	LDR Biased	0.8291	1.3924	0.5633
26	3	LDR Unbiased	0.7542	0.4679	-0.2863
27	3	LDR Unbiased	0.8978	0.7615	-0.1363
28	3	LDR Unbiased	0.6356	0.4804	-0.1552
29	3	LDR Unbiased	1.0133	0.7834	-0.2299
30	3	LDR Unbiased	0.8291	0.724	-0.1051
31	10	LDR Unbiased	0.5419	0.4835	-0.0584
32	10	LDR Unbiased	0.7885	0.471	-0.3175
33	10	LDR Unbiased	0.7542	0.6366	-0.1176
34	10	LDR Unbiased	0.7198	0.3961	-0.3237
35	10	LDR Unbiased	0.9914	0.5866	-0.4048
36	30	LDR Unbiased	0.7355	1.2393	0.5038
37	30	LDR Unbiased	0.8541	1.3331	0.479
38	30	LDR Unbiased	0.9477	1.2205	0.2728
39	30	LDR Unbiased	0.8291	1.2862	0.4571
40	30	LDR Unbiased	0.6637	1.2393	0.5756
41	50	LDR Unbiased	0.8728	1.1842	0.3114
42	50	LDR Unbiased	1.135	1.5524	0.4174
43	50	LDR Unbiased	0.801	1.3527	0.5517
44	50	LDR Unbiased	0.8291	1.203	0.3739
45	50	LDR Unbiased	0.6855	1.2154	0.5299
46	100	LDR Unbiased	0.6949	1.0957	0.4008
47	100	LDR Unbiased	0.8447	1.533	0.6883
48	100	LDR Unbiased	0.6793	1.1394	0.4601
49	100	LDR Unbiased	0.8197	1.5985	0.7788
50	100	LDR Unbiased	0.7604	1.5611	0.8007
60	0	Correlation	0.776	0.4367	-0.3393
61	0	Correlation	0.7542	0.571	-0.1832
62	0	Correlation	1.0133	0.6709	-0.3424
63	0	Correlation	0.6605	0.546	-0.1145
64	0	Correlation	0.8166	0.3773	-0.4393
65	0	Correlation	0.8166	0.6428	-0.1738

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	0.6605	0.8062	1.0133	0.11658	0.3773	0.54078	0.6709	0.11475	-0.4393	-0.26542	-0.1145	0.12613
3	0.5919	0.77324	1.0133	0.12649	0.4242	0.57161	0.7834	0.13341	-0.3331	-0.20163	-0.049	0.092792
10	0.5419	0.94708	2.5708	0.58269	0.3961	0.71121	2.2138	0.53304	-0.4048	-0.23587	-0.0584	0.1202
30	0.6605	0.76511	0.9477	0.091237	1.208	6.4598	53.323	16.466	0.2728	5.6947	52.568	16.47
50	0.6855	0.88777	1.316	0.1909	1.1094	1.2966	1.7894	0.21749	0.246	0.40879	0.5517	0.10975
100	0.6793	0.81849	1.0008	0.10449	1.0957	1.4058	1.5985	0.17591	0.4008	0.58734	0.8007	0.15136

Device Test: 23.7 _VOL|2mA/PWRGD/4.5////@PWRGD_OUTPUT_LOW





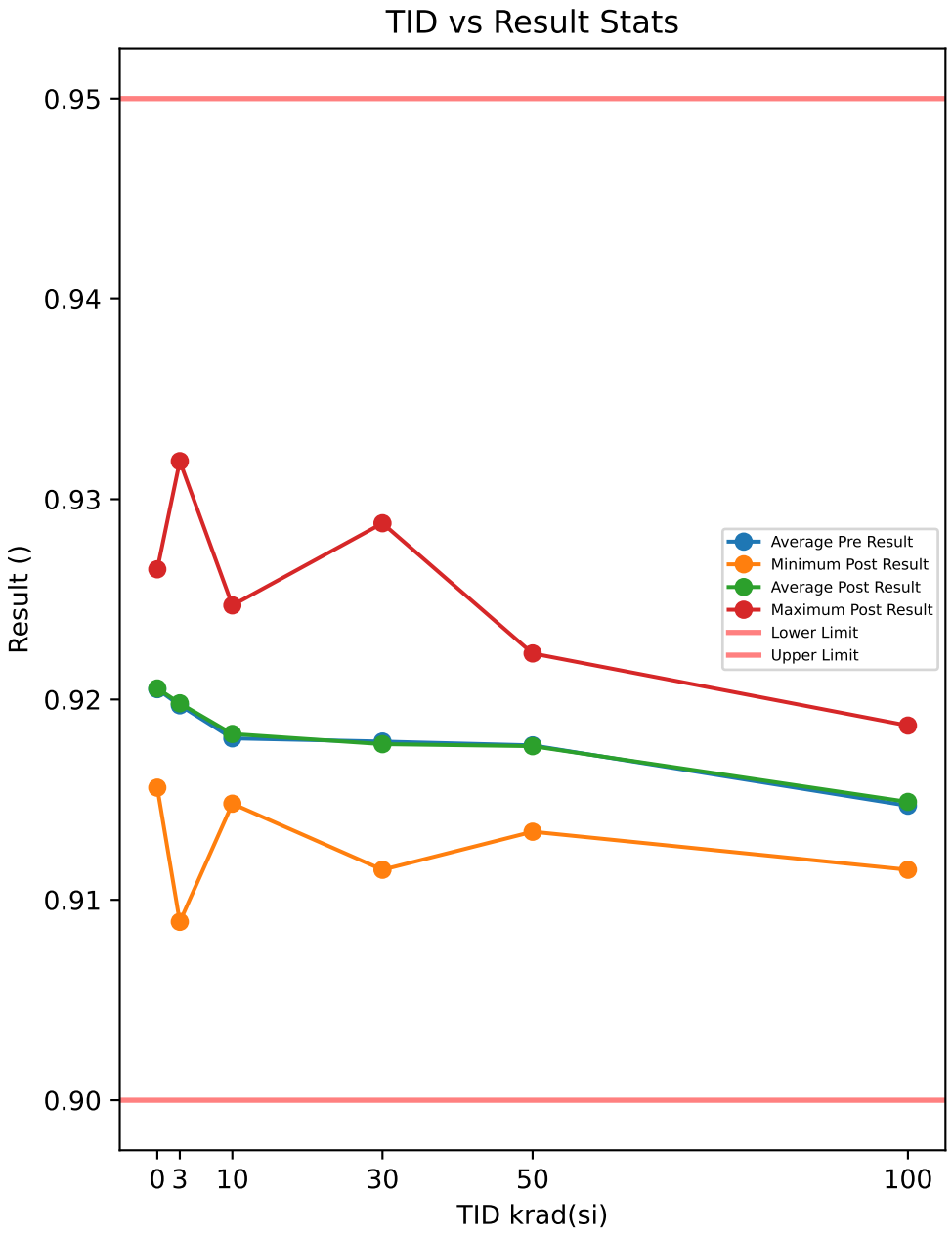
Test Results (Upper Limit = 300.0 (mV))

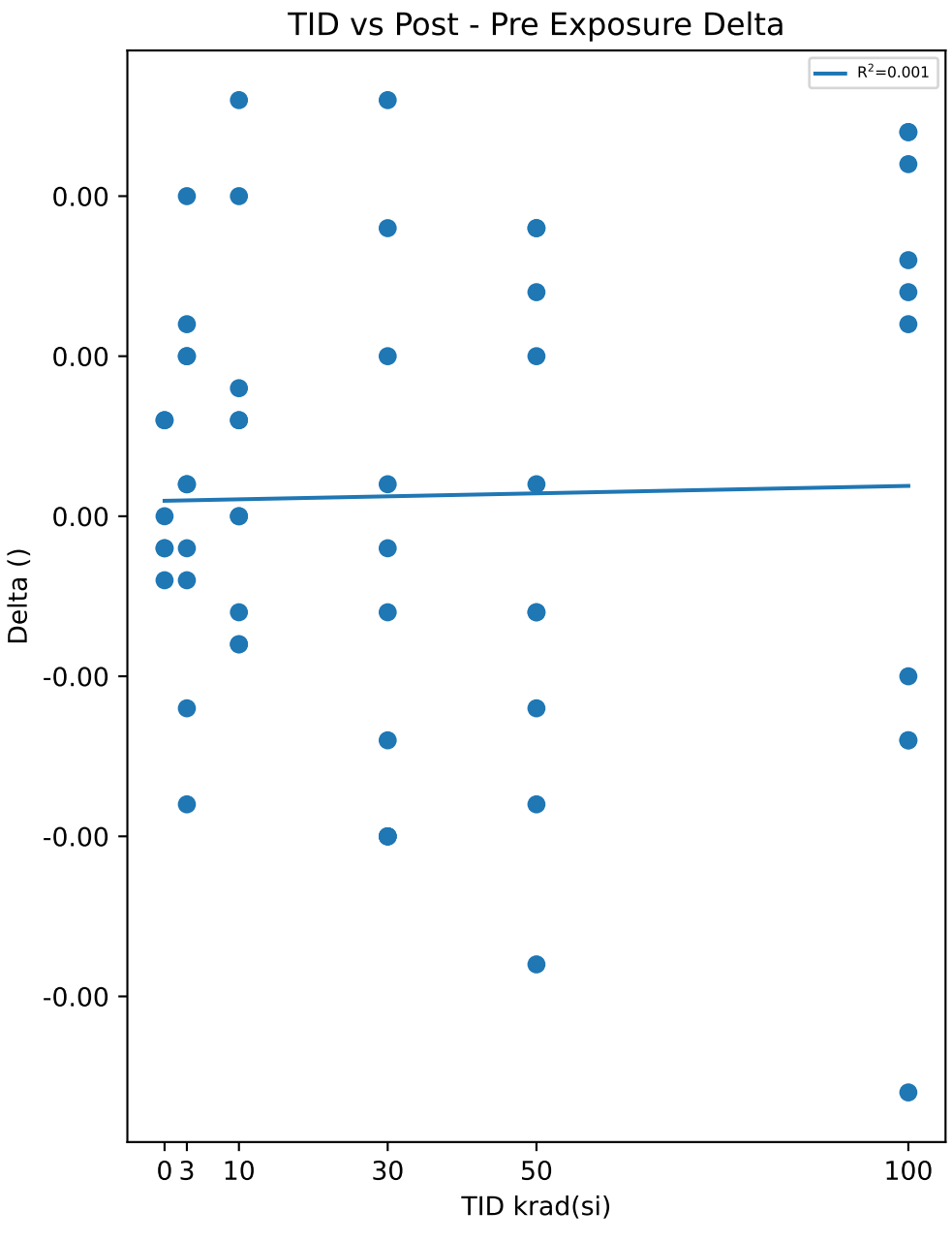
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	LDR Biased	241.9	242.03	0.1287
2	3	LDR Biased	247.19	247.12	-0.0716
3	3	LDR Biased	244.57	244.59	0.0207
4	3	LDR Biased	242.56	242.7	0.1446
5	3	LDR Biased	242.13	242.43	0.3006
6	10	LDR Biased	247.49	247.43	-0.0558
7	10	LDR Biased	242.37	242.31	-0.0585
8	10	LDR Biased	242.77	242.64	-0.1364
9	10	LDR Biased	245.35	245.45	0.0993
10	10	LDR Biased	244.71	244.86	0.1457
11	30	LDR Biased	244.23	243.7	-0.5216
12	30	LDR Biased	243.02	242.19	-0.8367
13	30	LDR Biased	241.48	240.97	-0.5112
14	30	LDR Biased	241.09	240.73	-0.3555
15	30	LDR Biased	241.62	241.48	-0.1356
16	50	LDR Biased	242.49	242.4	-0.0881
17	50	LDR Biased	244.13	244.03	-0.1039
18	50	LDR Biased	242.59	242.56	-0.0257
19	50	LDR Biased	244.07	244.08	0.0055
20	50	LDR Biased	241.21	241.22	0.0056
21	100	LDR Biased	243.9	243.47	-0.4326
22	100	LDR Biased	242.43	242.29	-0.1366
23	100	LDR Biased	241.6	241.56	-0.0433
24	100	LDR Biased	244.27	244.01	-0.2606
25	100	LDR Biased	243.48	243.39	-0.0891
26	3	LDR Unbiased	242.01	242.28	0.2693
27	3	LDR Unbiased	246.77	247.12	0.3499
28	3	LDR Unbiased	244.23	244.59	0.3642
29	3	LDR Unbiased	247.25	247.62	0.3657
30	3	LDR Unbiased	243.46	244	0.5356
31	10	LDR Unbiased	245.4	245.46	0.068
32	10	LDR Unbiased	242.31	242.5	0.1914
33	10	LDR Unbiased	245.13	245.39	0.2553
34	10	LDR Unbiased	245.57	245.96	0.3961
35	10	LDR Unbiased	241.65	242.04	0.3941
36	30	LDR Unbiased	248.19	247.8	-0.389
37	30	LDR Unbiased	241.81	241.59	-0.2134
38	30	LDR Unbiased	243.49	243.36	-0.132
39	30	LDR Unbiased	246.15	245.83	-0.3147
40	30	LDR Unbiased	246.19	246.05	-0.1425
41	50	LDR Unbiased	241.31	241.45	0.1461
42	50	LDR Unbiased	245.46	245.51	0.0522
43	50	LDR Unbiased	243.09	243.37	0.2865
44	50	LDR Unbiased	241.21	241.28	0.0681
45	50	LDR Unbiased	244.05	244.22	0.1616
46	100	LDR Unbiased	243.57	243.28	-0.2922
47	100	LDR Unbiased	244.23	244.11	-0.12
48	100	LDR Unbiased	241.96	242.04	0.0818
49	100	LDR Unbiased	242.43	242.51	0.0821
50	100	LDR Unbiased	241.26	241.19	-0.0747
60	0	Correlation	242.02	242.45	0.4255
61	0	Correlation	244.02	244.42	0.3953
62	0	Correlation	244.26	244.68	0.4266
63	0	Correlation	242.27	242.64	0.3631
64	0	Correlation	246.04	246.34	0.3026
65	0	Correlation	242.66	243.06	0.3947

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	242.02	243.55	246.04	1.5261	242.45	243.93	246.34	1.4986	0.3026	0.38463	0.4266	0.046561
3	241.9	244.21	247.25	2.1765	242.03	244.45	247.62	2.1669	-0.0716	0.24077	0.5356	0.18315
10	241.65	244.27	247.49	1.8854	242.04	244.4	247.43	1.877	-0.1364	0.12992	0.3961	0.18442
30	241.09	243.73	248.19	2.4224	240.73	243.37	247.8	2.446	-0.8367	-0.35522	-0.132	0.22362
50	241.21	242.96	245.46	1.4629	241.22	243.01	245.51	1.4608	-0.1039	0.05079	0.2865	0.12036
100	241.26	242.91	244.27	1.111	241.19	242.78	244.11	1.0135	-0.4326	-0.12852	0.0821	0.16233

Device Test: 23.9 _HRESHOLD|FALL/PWRGD/5////@VSENSE_VTH_FALLING_FAULT





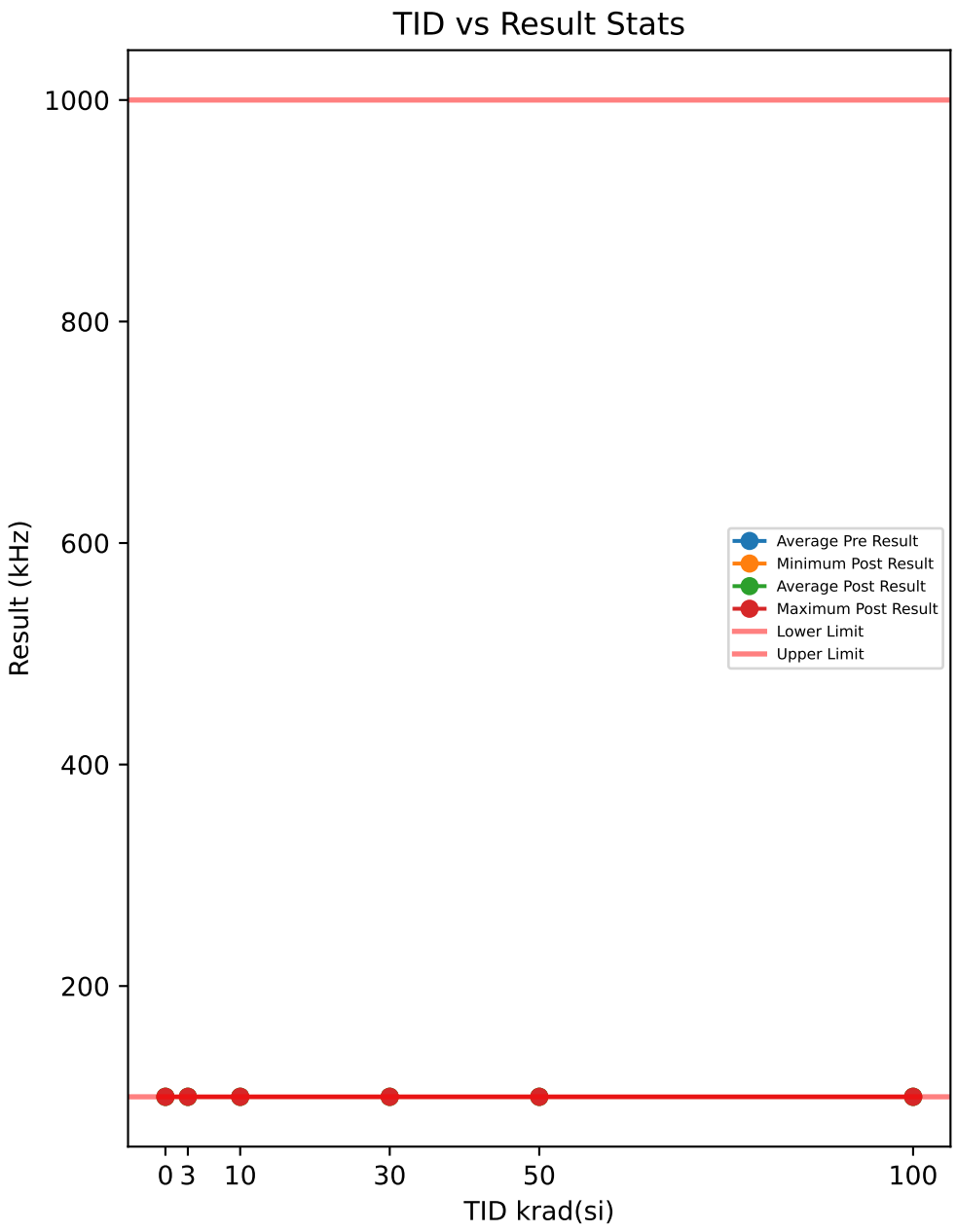
Test Results (Lower Limit = 0.9, Upper Limit = 0.95 ())

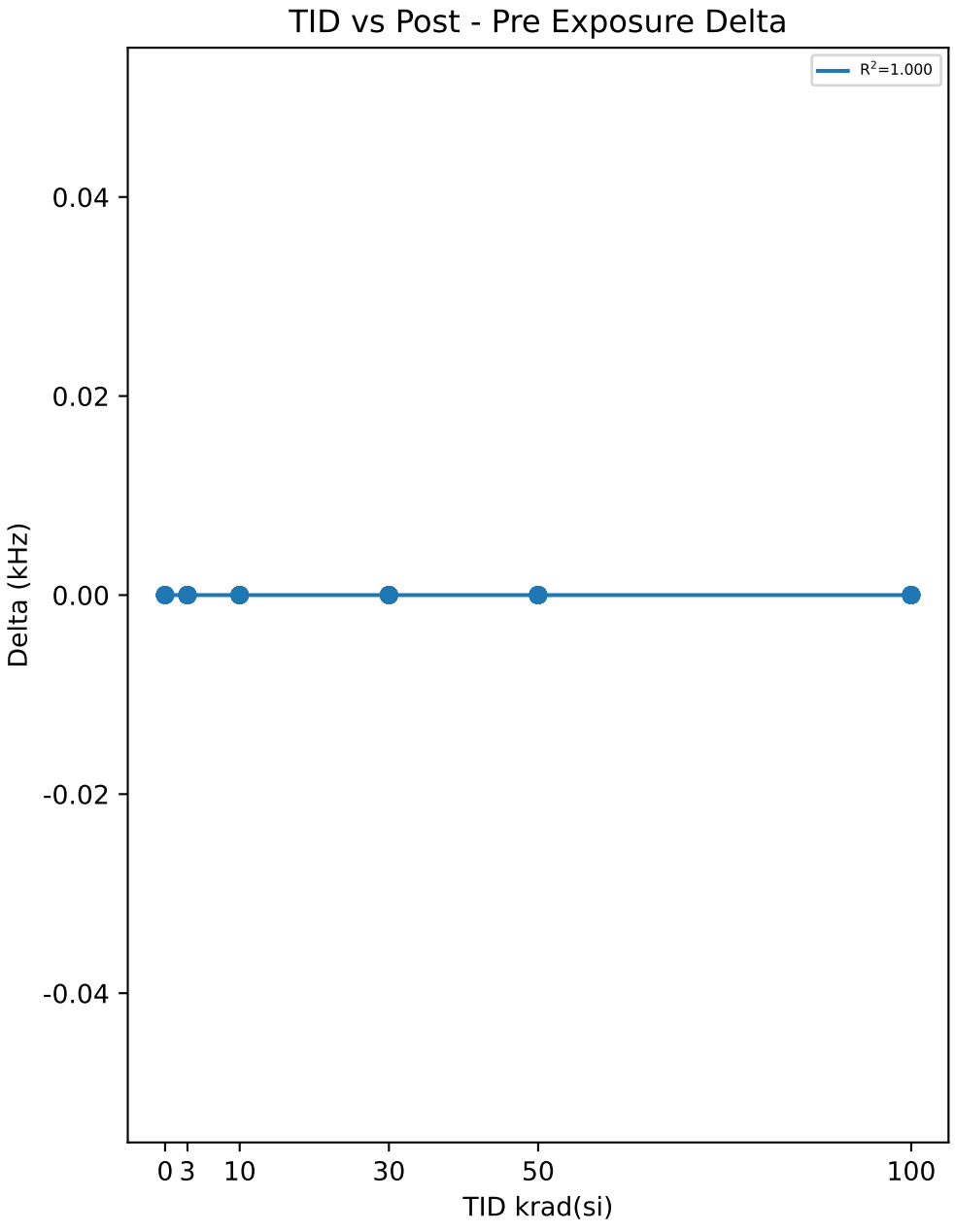
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	LDR Biased	0.9103	0.9104	0.0001
2	3	LDR Biased	0.9098	0.9089	-0.0009
3	3	LDR Biased	0.9156	0.9162	0.0006
4	3	LDR Biased	0.9253	0.9254	0.0001
5	3	LDR Biased	0.9261	0.9259	-0.0002
6	10	LDR Biased	0.9196	0.9193	-0.0003
7	10	LDR Biased	0.9147	0.915	0.0003
8	10	LDR Biased	0.9138	0.9148	0.001
9	10	LDR Biased	0.917	0.9166	-0.0004
10	10	LDR Biased	0.9205	0.9201	-0.0004
11	30	LDR Biased	0.9207	0.922	0.0013
12	30	LDR Biased	0.9171	0.9176	0.0005
13	30	LDR Biased	0.9122	0.9123	0.0001
14	30	LDR Biased	0.9271	0.9261	-0.001
15	30	LDR Biased	0.9147	0.9144	-0.0003
16	50	LDR Biased	0.9159	0.9168	0.0009
17	50	LDR Biased	0.9223	0.9217	-0.0006
18	50	LDR Biased	0.9218	0.9223	0.0005
19	50	LDR Biased	0.9195	0.9204	0.0009
20	50	LDR Biased	0.9198	0.9189	-0.0009
21	100	LDR Biased	0.9155	0.9167	0.0012
22	100	LDR Biased	0.9142	0.9148	0.0006
23	100	LDR Biased	0.9126	0.9119	-0.0007
24	100	LDR Biased	0.9145	0.9138	-0.0007
25	100	LDR Biased	0.9149	0.9157	0.0008
26	3	LDR Unbiased	0.9211	0.921	-0.0001
27	3	LDR Unbiased	0.919	0.9195	0.0005
28	3	LDR Unbiased	0.9225	0.9219	-0.0006
29	3	LDR Unbiased	0.9165	0.917	0.0005
30	3	LDR Unbiased	0.9309	0.9319	0.001
31	10	LDR Unbiased	0.9234	0.9247	0.0013
32	10	LDR Unbiased	0.9159	0.9159	0
33	10	LDR Unbiased	0.9217	0.922	0.0003
34	10	LDR Unbiased	0.918	0.9184	0.0004
35	10	LDR Unbiased	0.916	0.916	0
36	30	LDR Unbiased	0.9107	0.9116	0.0009
37	30	LDR Unbiased	0.9164	0.9157	-0.0007
38	30	LDR Unbiased	0.9187	0.9177	-0.001
39	30	LDR Unbiased	0.9125	0.9115	-0.001
40	30	LDR Unbiased	0.9289	0.9288	-0.0001
41	50	LDR Unbiased	0.9168	0.9154	-0.0014
42	50	LDR Unbiased	0.9127	0.9134	0.0007
43	50	LDR Unbiased	0.9168	0.9169	0.0001
44	50	LDR Unbiased	0.9152	0.9149	-0.0003
45	50	LDR Unbiased	0.9163	0.916	-0.0003
46	100	LDR Unbiased	0.9192	0.9187	-0.0005
47	100	LDR Unbiased	0.9164	0.9176	0.0012
48	100	LDR Unbiased	0.9133	0.9115	-0.0018
49	100	LDR Unbiased	0.9145	0.9152	0.0007
50	100	LDR Unbiased	0.9119	0.913	0.0011
60	0	Correlation	0.9206	0.9204	-0.0002
61	0	Correlation	0.9193	0.9193	0
62	0	Correlation	0.9183	0.9182	-0.0001
63	0	Correlation	0.9153	0.9156	0.0003
64	0	Correlation	0.923	0.9233	0.0003
65	0	Correlation	0.9266	0.9265	-0.0001

Test Statistics ()

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	0.9153	0.92052	0.9266	0.0039189	0.9156	0.92055	0.9265	0.003862	-0.0002	3.3333e-05	0.0003	0.00021602
3	0.9098	0.91971	0.9309	0.0068432	0.9089	0.91981	0.9319	0.0070623	-0.0009	0.0001	0.001	0.00057735
10	0.9138	0.91806	0.9234	0.0031546	0.9148	0.91828	0.9247	0.0032656	-0.0004	0.00022	0.0013	0.0005731
30	0.9107	0.9179	0.9289	0.006153	0.9115	0.91777	0.9288	0.0060729	-0.001	-0.00013	0.0013	0.00082872
50	0.9127	0.91771	0.9223	0.0030494	0.9134	0.91767	0.9223	0.0030155	-0.0014	-4e-05	0.0009	0.00079331
100	0.9119	0.9147	0.9192	0.0020645	0.9115	0.91489	0.9187	0.0023826	-0.0018	0.00019	0.0012	0.0010376

Device Test: 24.1 _FREQ|100kHz/SYNC1/4.5//OPEN//@SYNC_FREQ_RANGE





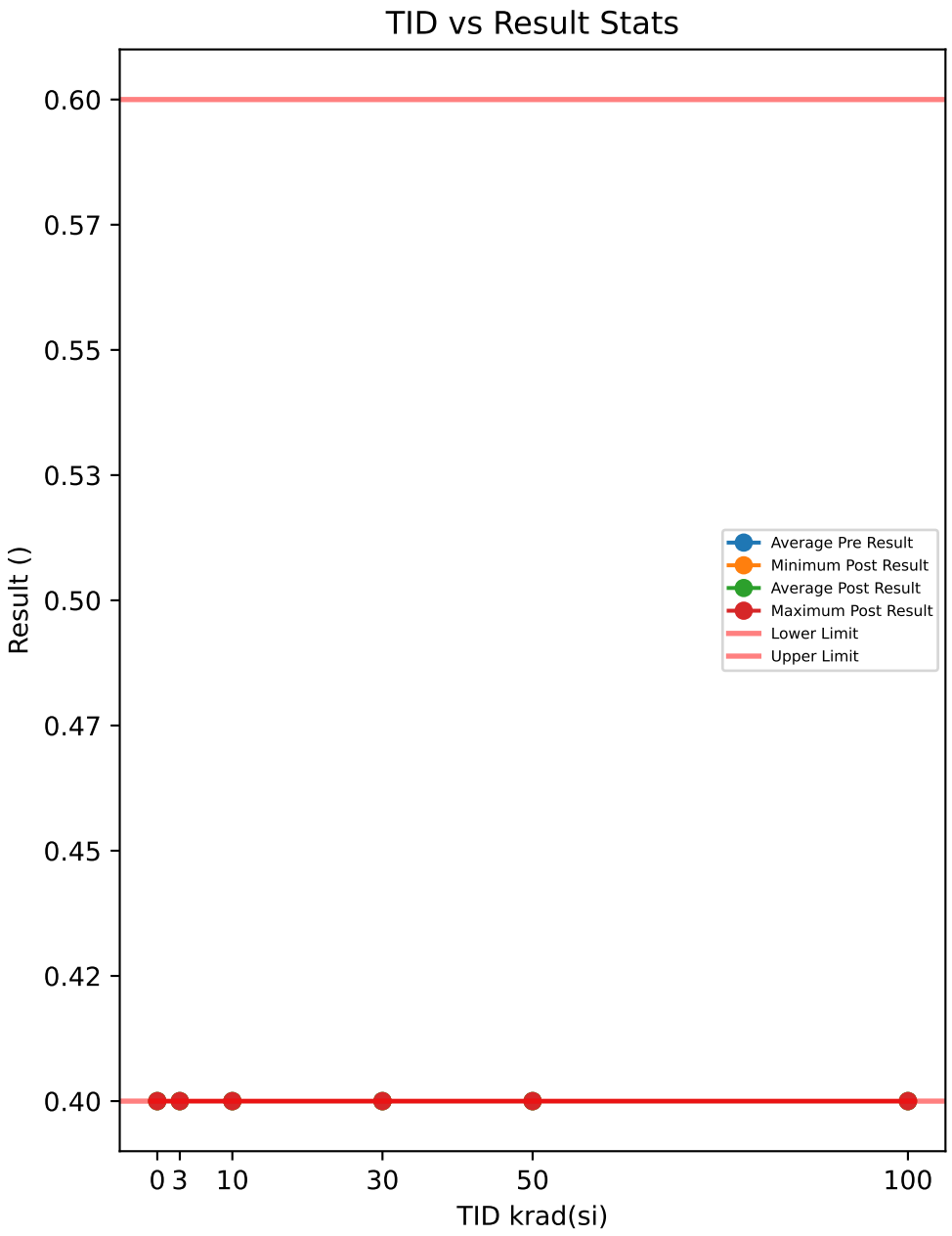
Test Results (Lower Limit = 100.0, Upper Limit = 1000.0 (kHz))

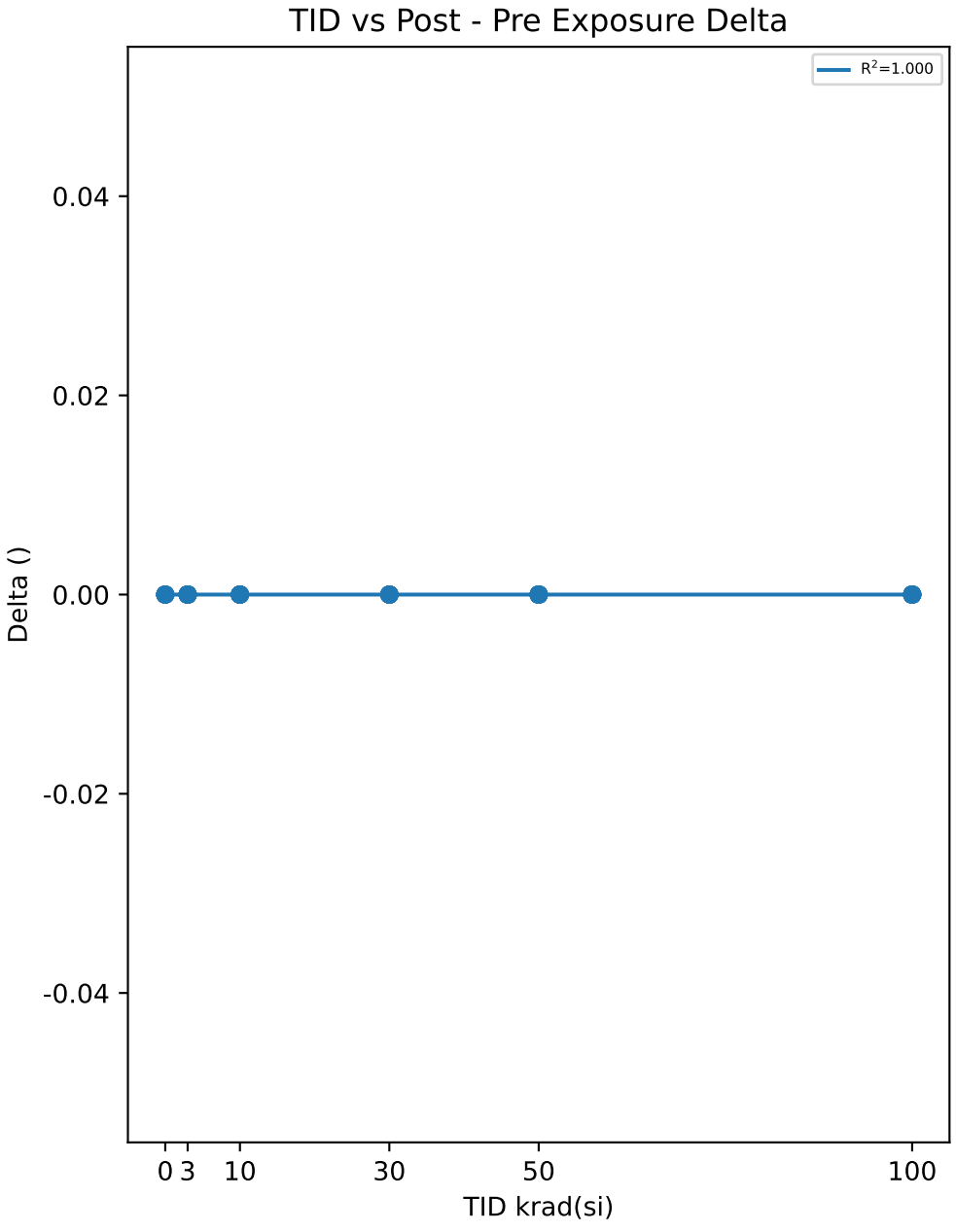
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	LDR Biased	100	100	0
2	3	LDR Biased	100	100	0
3	3	LDR Biased	100	100	0
4	3	LDR Biased	100	100	0
5	3	LDR Biased	100	100	0
6	10	LDR Biased	100	100	0
7	10	LDR Biased	100	100	0
8	10	LDR Biased	100	100	0
9	10	LDR Biased	100	100	0
10	10	LDR Biased	100	100	0
11	30	LDR Biased	100	100	0
12	30	LDR Biased	100	100	0
13	30	LDR Biased	100	100	0
14	30	LDR Biased	100	100	0
15	30	LDR Biased	100	100	0
16	50	LDR Biased	100	100	0
17	50	LDR Biased	100	100	0
18	50	LDR Biased	100	100	0
19	50	LDR Biased	100	100	0
20	50	LDR Biased	100	100	0
21	100	LDR Biased	100	100	0
22	100	LDR Biased	100	100	0
23	100	LDR Biased	100	100	0
24	100	LDR Biased	100	100	0
25	100	LDR Biased	100	100	0
26	3	LDR Unbiased	100	100	0
27	3	LDR Unbiased	100	100	0
28	3	LDR Unbiased	100	100	0
29	3	LDR Unbiased	100	100	0
30	3	LDR Unbiased	100	100	0
31	10	LDR Unbiased	100	100	0
32	10	LDR Unbiased	100	100	0
33	10	LDR Unbiased	100	100	0
34	10	LDR Unbiased	100	100	0
35	10	LDR Unbiased	100	100	0
36	30	LDR Unbiased	100	100	0
37	30	LDR Unbiased	100	100	0
38	30	LDR Unbiased	100	100	0
39	30	LDR Unbiased	100	100	0
40	30	LDR Unbiased	100	100	0
41	50	LDR Unbiased	100	100	0
42	50	LDR Unbiased	100	100	0
43	50	LDR Unbiased	100	100	0
44	50	LDR Unbiased	100	100	0
45	50	LDR Unbiased	100	100	0
46	100	LDR Unbiased	100	100	0
47	100	LDR Unbiased	100	100	0
48	100	LDR Unbiased	100	100	0
49	100	LDR Unbiased	100	100	0
50	100	LDR Unbiased	100	100	0
60	0	Correlation	100	100	0
61	0	Correlation	100	100	0
62	0	Correlation	100	100	0
63	0	Correlation	100	100	0
64	0	Correlation	100	100	0
65	0	Correlation	100	100	0

Test Statistics (kHz)

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

Device Test: 24.10 _UTYCYCLE|GNG_40%/SYNC1/4.5//OPEN//@SYNC_IN_DUTY_CYCLE_RANGE





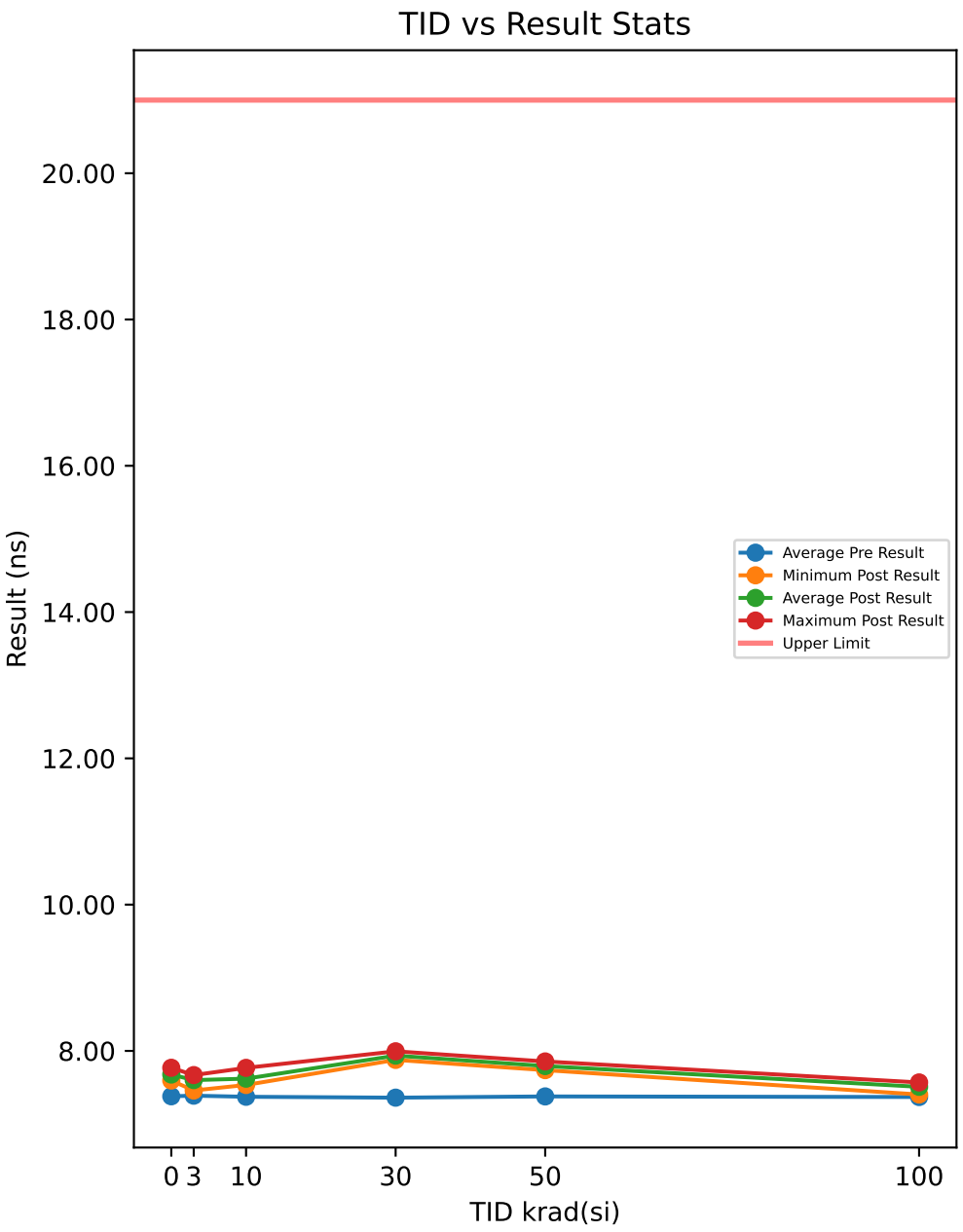
Test Results (Lower Limit = 0.4, Upper Limit = 0.6 ())

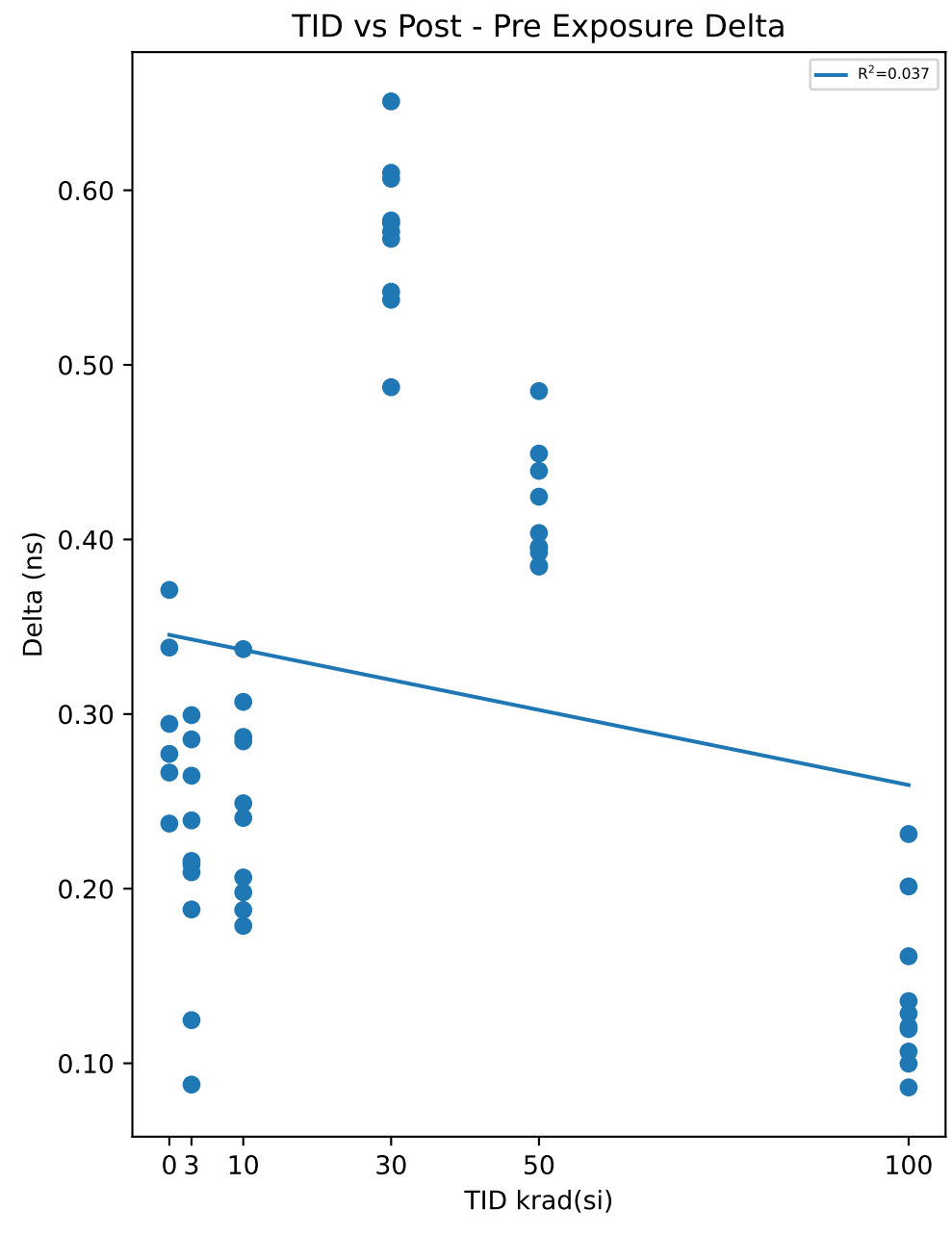
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	LDR Biased	0.4	0.4	0
2	3	LDR Biased	0.4	0.4	0
3	3	LDR Biased	0.4	0.4	0
4	3	LDR Biased	0.4	0.4	0
5	3	LDR Biased	0.4	0.4	0
6	10	LDR Biased	0.4	0.4	0
7	10	LDR Biased	0.4	0.4	0
8	10	LDR Biased	0.4	0.4	0
9	10	LDR Biased	0.4	0.4	0
10	10	LDR Biased	0.4	0.4	0
11	30	LDR Biased	0.4	0.4	0
12	30	LDR Biased	0.4	0.4	0
13	30	LDR Biased	0.4	0.4	0
14	30	LDR Biased	0.4	0.4	0
15	30	LDR Biased	0.4	0.4	0
16	50	LDR Biased	0.4	0.4	0
17	50	LDR Biased	0.4	0.4	0
18	50	LDR Biased	0.4	0.4	0
19	50	LDR Biased	0.4	0.4	0
20	50	LDR Biased	0.4	0.4	0
21	100	LDR Biased	0.4	0.4	0
22	100	LDR Biased	0.4	0.4	0
23	100	LDR Biased	0.4	0.4	0
24	100	LDR Biased	0.4	0.4	0
25	100	LDR Biased	0.4	0.4	0
26	3	LDR Unbiased	0.4	0.4	0
27	3	LDR Unbiased	0.4	0.4	0
28	3	LDR Unbiased	0.4	0.4	0
29	3	LDR Unbiased	0.4	0.4	0
30	3	LDR Unbiased	0.4	0.4	0
31	10	LDR Unbiased	0.4	0.4	0
32	10	LDR Unbiased	0.4	0.4	0
33	10	LDR Unbiased	0.4	0.4	0
34	10	LDR Unbiased	0.4	0.4	0
35	10	LDR Unbiased	0.4	0.4	0
36	30	LDR Unbiased	0.4	0.4	0
37	30	LDR Unbiased	0.4	0.4	0
38	30	LDR Unbiased	0.4	0.4	0
39	30	LDR Unbiased	0.4	0.4	0
40	30	LDR Unbiased	0.4	0.4	0
41	50	LDR Unbiased	0.4	0.4	0
42	50	LDR Unbiased	0.4	0.4	0
43	50	LDR Unbiased	0.4	0.4	0
44	50	LDR Unbiased	0.4	0.4	0
45	50	LDR Unbiased	0.4	0.4	0
46	100	LDR Unbiased	0.4	0.4	0
47	100	LDR Unbiased	0.4	0.4	0
48	100	LDR Unbiased	0.4	0.4	0
49	100	LDR Unbiased	0.4	0.4	0
50	100	LDR Unbiased	0.4	0.4	0
60	0	Correlation	0.4	0.4	0
61	0	Correlation	0.4	0.4	0
62	0	Correlation	0.4	0.4	0
63	0	Correlation	0.4	0.4	0
64	0	Correlation	0.4	0.4	0
65	0	Correlation	0.4	0.4	0

Test Statistics ()

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	0.4	0.4	0.4	0	0.4	0.4	0.4	0	0	0	0	0
3	0.4	0.4	0.4	0	0.4	0.4	0.4	0	0	0	0	0
10	0.4	0.4	0.4	0	0.4	0.4	0.4	0	0	0	0	0
30	0.4	0.4	0.4	0	0.4	0.4	0.4	0	0	0	0	0
50	0.4	0.4	0.4	0	0.4	0.4	0.4	0	0	0	0	0
100	0.4	0.4	0.4	0	0.4	0.4	0.4	0	0	0	0	0

Device Test: 24.100 _TIMING|FALL/SYNC1/12//511k//@SYNC_HL_FALL_TIME





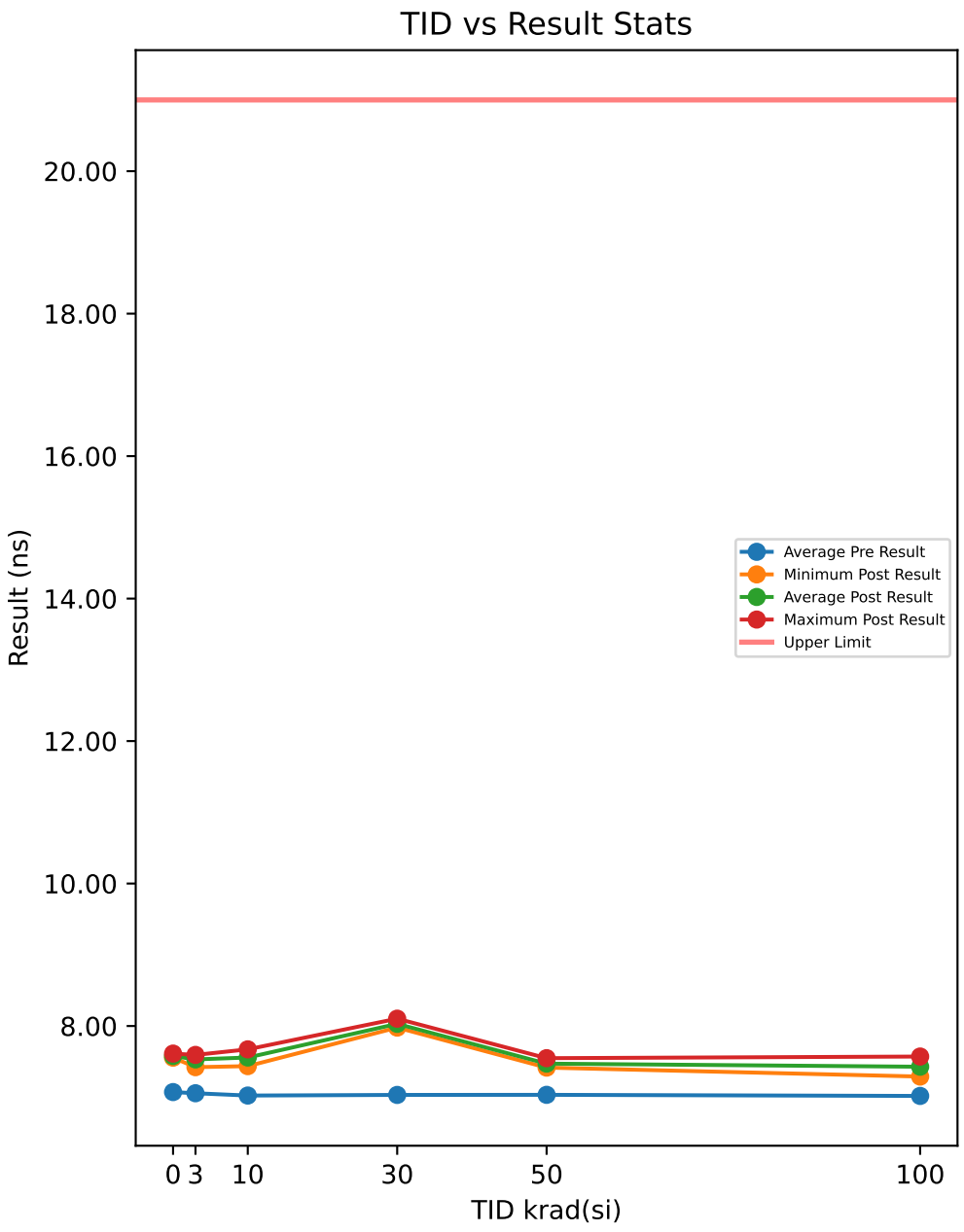
Test Results (Upper Limit = 21.0 (ns))

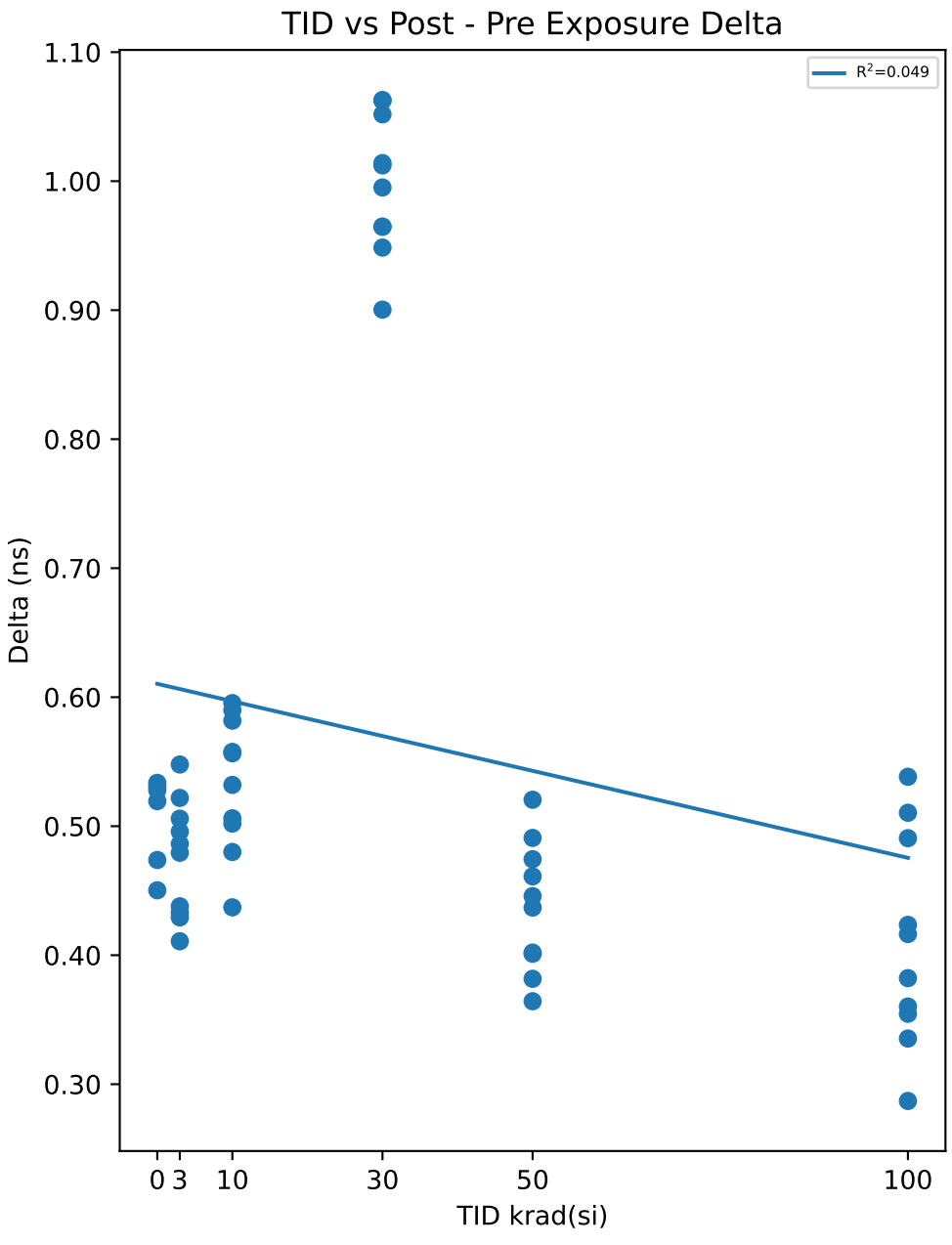
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	LDR Biased	7.3838	7.6693	0.2855
2	3	LDR Biased	7.3996	7.5243	0.1247
3	3	LDR Biased	7.3711	7.4589	0.0878
4	3	LDR Biased	7.3723	7.637	0.2647
5	3	LDR Biased	7.3524	7.5405	0.1881
6	10	LDR Biased	7.4611	7.7681	0.307
7	10	LDR Biased	7.3809	7.5596	0.1787
8	10	LDR Biased	7.3284	7.5773	0.2489
9	10	LDR Biased	7.3467	7.5345	0.1878
10	10	LDR Biased	7.487	7.6934	0.2064
11	30	LDR Biased	7.3834	7.9934	0.61
12	30	LDR Biased	7.3899	7.8771	0.4872
13	30	LDR Biased	7.3742	7.9115	0.5373
14	30	LDR Biased	7.3124	7.8887	0.5763
15	30	LDR Biased	7.3673	7.9092	0.5419
16	50	LDR Biased	7.252	7.737	0.485
17	50	LDR Biased	7.3473	7.7398	0.3925
18	50	LDR Biased	7.359	7.7835	0.4245
19	50	LDR Biased	7.4066	7.8558	0.4492
20	50	LDR Biased	7.4413	7.8371	0.3958
21	100	LDR Biased	7.3715	7.4911	0.1196
22	100	LDR Biased	7.318	7.4042	0.0862
23	100	LDR Biased	7.3676	7.5689	0.2013
24	100	LDR Biased	7.4202	7.5487	0.1285
25	100	LDR Biased	7.2803	7.5116	0.2313
26	3	LDR Unbiased	7.3702	7.5796	0.2094
27	3	LDR Unbiased	7.414	7.6299	0.2159
28	3	LDR Unbiased	7.4185	7.6576	0.2391
29	3	LDR Unbiased	7.4319	7.6457	0.2138
30	3	LDR Unbiased	7.3659	7.6653	0.2994
31	10	LDR Unbiased	7.3805	7.6649	0.2844
32	10	LDR Unbiased	7.3536	7.5515	0.1979
33	10	LDR Unbiased	7.3378	7.5783	0.2405
34	10	LDR Unbiased	7.3264	7.6133	0.2869
35	10	LDR Unbiased	7.3267	7.6639	0.3372
36	30	LDR Unbiased	7.3346	7.9855	0.6509
37	30	LDR Unbiased	7.3615	7.9681	0.6066
38	30	LDR Unbiased	7.3116	7.8928	0.5812
39	30	LDR Unbiased	7.4118	7.9945	0.5827
40	30	LDR Unbiased	7.3601	7.9323	0.5722
41	50	LDR Unbiased	7.3747	7.7592	0.3845
42	50	LDR Unbiased	7.4569	7.8418	0.3849
43	50	LDR Unbiased	7.3766	7.7803	0.4037
44	50	LDR Unbiased	7.3779	7.8172	0.4393
45	50	LDR Unbiased	7.3832	7.7782	0.395
46	100	LDR Unbiased	7.3388	7.4386	0.0998
47	100	LDR Unbiased	7.388	7.5236	0.1356
48	100	LDR Unbiased	7.3603	7.5216	0.1613
49	100	LDR Unbiased	7.4057	7.5124	0.1067
50	100	LDR Unbiased	7.4469	7.5679	0.121
60	0	Correlation	7.4315	7.7087	0.2772
61	0	Correlation	7.3956	7.6621	0.2665
62	0	Correlation	7.303	7.5974	0.2944
63	0	Correlation	7.4312	7.7693	0.3381
64	0	Correlation	7.3577	7.595	0.2373
65	0	Correlation	7.3588	7.7299	0.3711

Test Statistics (ns)

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	7.303	7.3796	7.4315	0.049783	7.595	7.6771	7.7693	0.071561	0.2373	0.29743	0.3711	0.049137
3	7.3524	7.388	7.4319	0.026437	7.4589	7.6008	7.6693	0.071744	0.0878	0.21284	0.2994	0.066824
10	7.3264	7.3729	7.487	0.05724	7.5345	7.6205	7.7681	0.074922	0.1787	0.24757	0.3372	0.05477
30	7.3116	7.3607	7.4118	0.032712	7.8771	7.9353	7.9945	0.046065	0.4872	0.57463	0.6509	0.045112
50	7.252	7.3775	7.4569	0.056043	7.737	7.793	7.8558	0.042733	0.3845	0.41544	0.485	0.033312
100	7.2803	7.3697	7.4469	0.04928	7.4042	7.5089	7.5689	0.053002	0.0862	0.13913	0.2313	0.046053

Device Test: 24.101 _TIMING|FALL/SYNC2/12//511k//@SYNC_HL_FALL_TIME





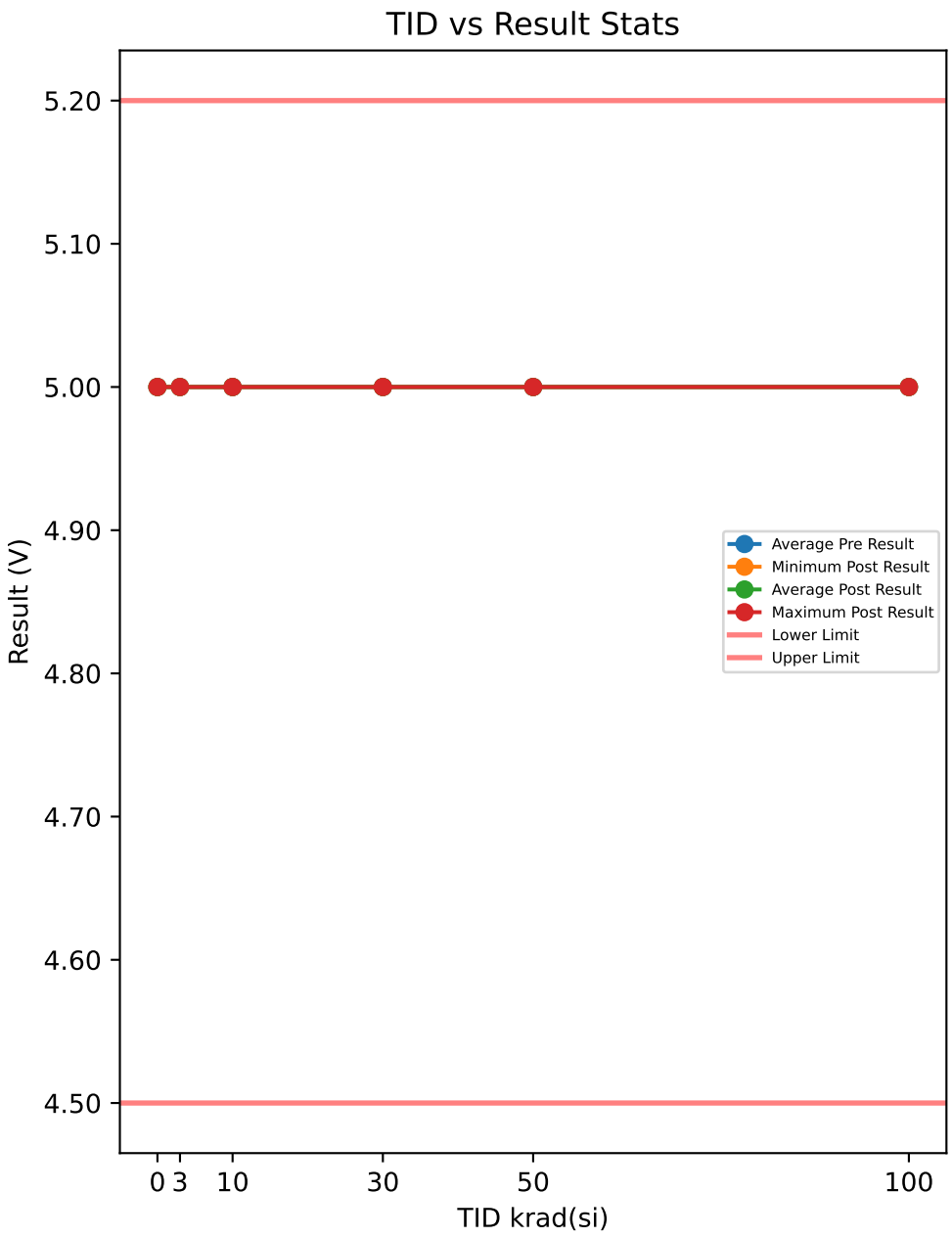
Test Results (Upper Limit = 21.0 (ns))

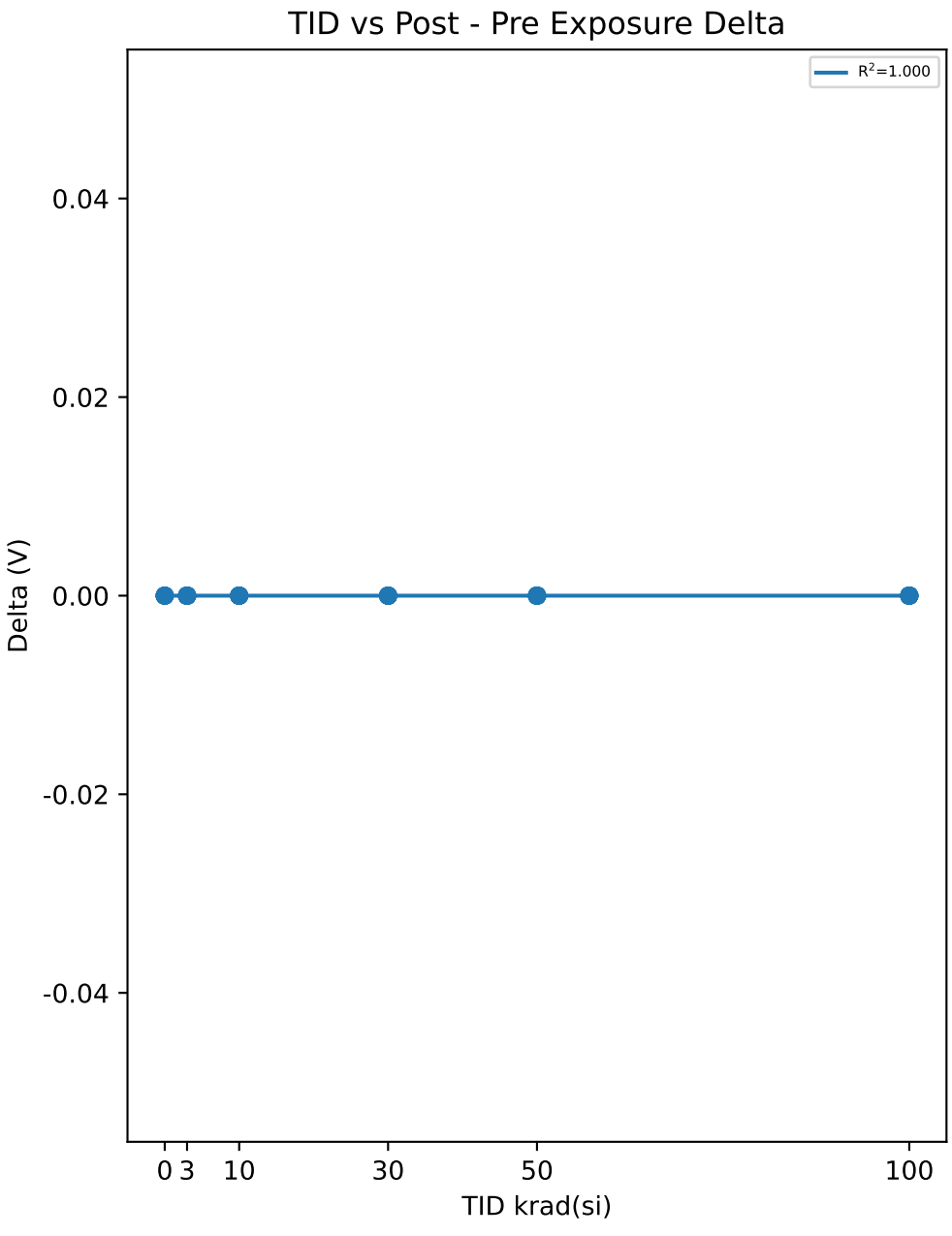
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	LDR Biased	7.0112	7.422	0.4108
2	3	LDR Biased	7.1073	7.5452	0.4379
3	3	LDR Biased	7.0508	7.5466	0.4958
4	3	LDR Biased	7.0573	7.4903	0.433
5	3	LDR Biased	7.0911	7.5204	0.4293
6	10	LDR Biased	7.1101	7.5472	0.4371
7	10	LDR Biased	6.9912	7.5812	0.59
8	10	LDR Biased	6.985	7.487	0.502
9	10	LDR Biased	7.0052	7.587	0.5818
10	10	LDR Biased	7.1159	7.6724	0.5565
11	30	LDR Biased	7.0272	8.0412	1.014
12	30	LDR Biased	7.0129	7.9776	0.9647
13	30	LDR Biased	7.0914	8.0399	0.9485
14	30	LDR Biased	7.0175	7.9822	0.9647
15	30	LDR Biased	6.9767	8.0285	1.0518
16	50	LDR Biased	6.9334	7.4243	0.4909
17	50	LDR Biased	6.963	7.4374	0.4744
18	50	LDR Biased	6.9917	7.5122	0.5205
19	50	LDR Biased	7.0875	7.5486	0.4611
20	50	LDR Biased	7.1018	7.5387	0.4369
21	100	LDR Biased	7.0055	7.429	0.4235
22	100	LDR Biased	7.0059	7.3413	0.3354
23	100	LDR Biased	7.0305	7.5688	0.5383
24	100	LDR Biased	7.0808	7.5715	0.4907
25	100	LDR Biased	6.9898	7.5002	0.5104
26	3	LDR Unbiased	6.9826	7.5304	0.5478
27	3	LDR Unbiased	7.1149	7.5943	0.4794
28	3	LDR Unbiased	7.0703	7.5761	0.5058
29	3	LDR Unbiased	7.0688	7.5551	0.4863
30	3	LDR Unbiased	7.0076	7.5295	0.5219
31	10	LDR Unbiased	7.0676	7.5476	0.48
32	10	LDR Unbiased	6.9662	7.5238	0.5576
33	10	LDR Unbiased	6.9307	7.4368	0.5061
34	10	LDR Unbiased	7.0176	7.5496	0.532
35	10	LDR Unbiased	7.0498	7.6452	0.5954
36	30	LDR Unbiased	7.0736	8.0687	0.9951
37	30	LDR Unbiased	7.0045	8.0167	1.0122
38	30	LDR Unbiased	7.0803	7.9807	0.9004
39	30	LDR Unbiased	7.0401	8.103	1.0629
40	30	LDR Unbiased	7.0017	8.0641	1.0624
41	50	LDR Unbiased	7.0306	7.4764	0.4458
42	50	LDR Unbiased	7.1267	7.5084	0.3817
43	50	LDR Unbiased	7.0518	7.4161	0.3643
44	50	LDR Unbiased	7.037	7.4381	0.4011
45	50	LDR Unbiased	7.0158	7.4178	0.402
46	100	LDR Unbiased	6.9739	7.3341	0.3602
47	100	LDR Unbiased	7.0034	7.2904	0.287
48	100	LDR Unbiased	6.9926	7.3748	0.3822
49	100	LDR Unbiased	7.0449	7.3995	0.3546
50	100	LDR Unbiased	7.0576	7.474	0.4164
60	0	Correlation	7.1053	7.5556	0.4503
61	0	Correlation	7.139	7.6128	0.4738
62	0	Correlation	7.0457	7.5651	0.5194
63	0	Correlation	7.0746	7.6025	0.5279
64	0	Correlation	7.0282	7.5587	0.5305
65	0	Correlation	7.0428	7.5764	0.5336

Test Statistics (ns)

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	7.0282	7.0726	7.139	0.04258	7.5556	7.5785	7.6128	0.023887	0.4503	0.50592	0.5336	0.035101
3	6.9826	7.0562	7.1149	0.044054	7.422	7.531	7.5943	0.047981	0.4108	0.4748	0.5478	0.045188
10	6.9307	7.0239	7.1159	0.060976	7.4368	7.5578	7.6724	0.069334	0.4371	0.53385	0.5954	0.052032
30	6.9767	7.0326	7.0914	0.037983	7.9776	8.0303	8.103	0.041969	0.9004	0.99767	1.0629	0.053658
50	6.9334	7.0339	7.1267	0.061166	7.4161	7.4718	7.5486	0.051597	0.3643	0.43787	0.5205	0.050315
100	6.9739	7.0185	7.0808	0.033814	7.2904	7.4284	7.5715	0.098125	0.287	0.40987	0.5383	0.081849

Device Test: 24.102 _LEVELS|VOH/SYNC1/12//511k//@SYNC_OUT_HIGH_7V





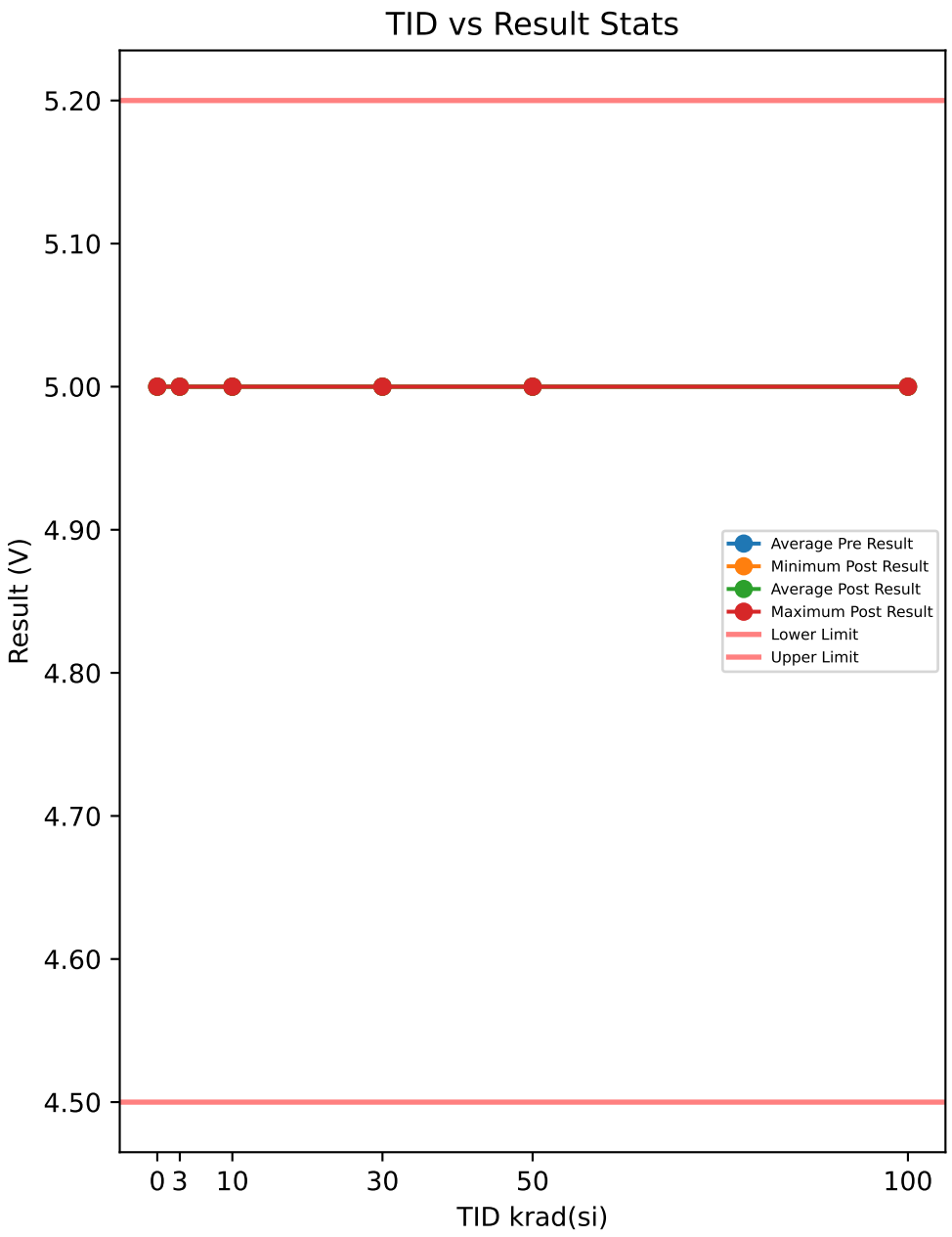
Test Results (Lower Limit = 4.5, Upper Limit = 5.2 (V))

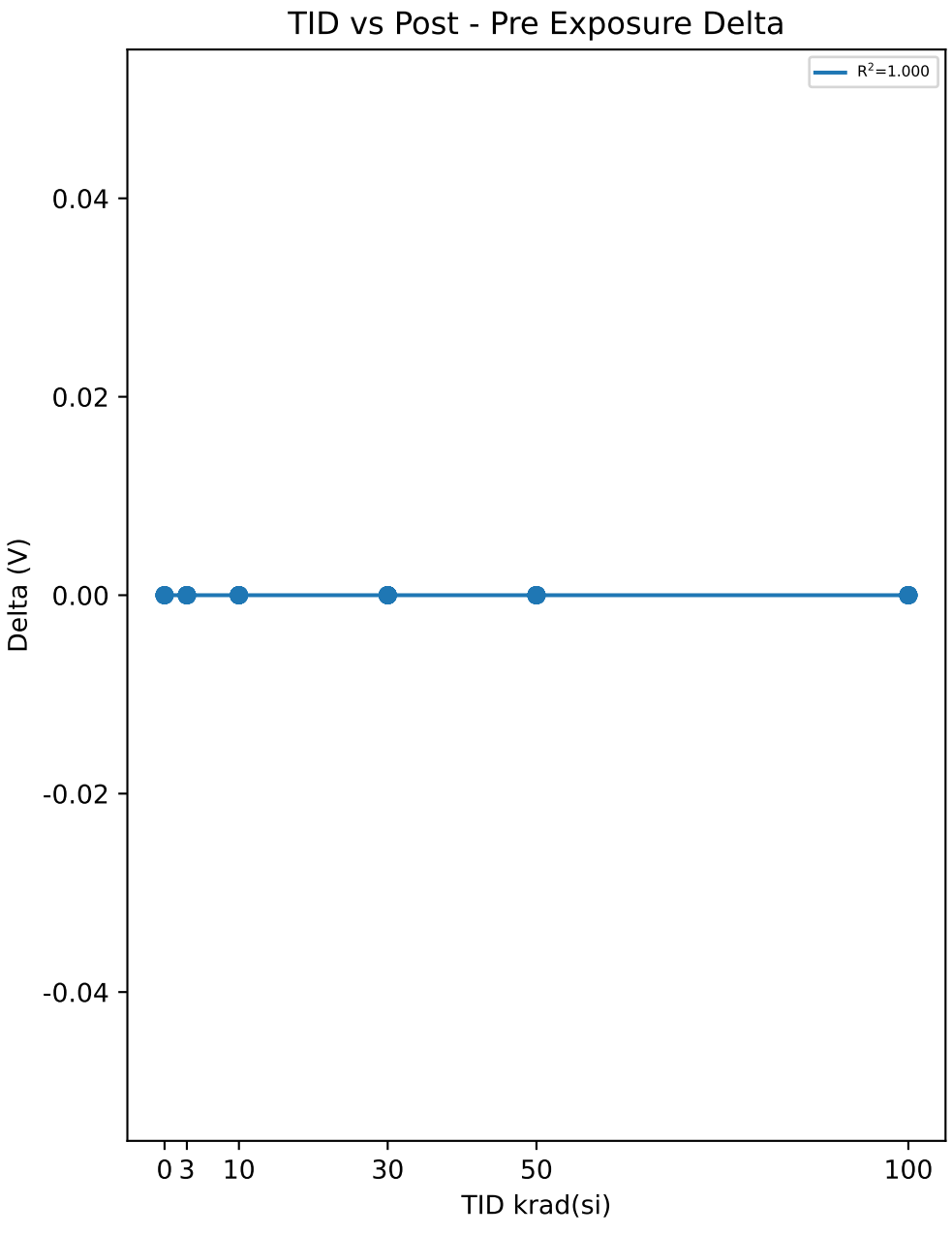
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	LDR Biased	5	5	0
2	3	LDR Biased	5	5	0
3	3	LDR Biased	5	5	0
4	3	LDR Biased	5	5	0
5	3	LDR Biased	5	5	0
6	10	LDR Biased	5	5	0
7	10	LDR Biased	5	5	0
8	10	LDR Biased	5	5	0
9	10	LDR Biased	5	5	0
10	10	LDR Biased	5	5	0
11	30	LDR Biased	5	5	0
12	30	LDR Biased	5	5	0
13	30	LDR Biased	5	5	0
14	30	LDR Biased	5	5	0
15	30	LDR Biased	5	5	0
16	50	LDR Biased	5	5	0
17	50	LDR Biased	5	5	0
18	50	LDR Biased	5	5	0
19	50	LDR Biased	5	5	0
20	50	LDR Biased	5	5	0
21	100	LDR Biased	5	5	0
22	100	LDR Biased	5	5	0
23	100	LDR Biased	5	5	0
24	100	LDR Biased	5	5	0
25	100	LDR Biased	5	5	0
26	3	LDR Unbiased	5	5	0
27	3	LDR Unbiased	5	5	0
28	3	LDR Unbiased	5	5	0
29	3	LDR Unbiased	5	5	0
30	3	LDR Unbiased	5	5	0
31	10	LDR Unbiased	5	5	0
32	10	LDR Unbiased	5	5	0
33	10	LDR Unbiased	5	5	0
34	10	LDR Unbiased	5	5	0
35	10	LDR Unbiased	5	5	0
36	30	LDR Unbiased	5	5	0
37	30	LDR Unbiased	5	5	0
38	30	LDR Unbiased	5	5	0
39	30	LDR Unbiased	5	5	0
40	30	LDR Unbiased	5	5	0
41	50	LDR Unbiased	5	5	0
42	50	LDR Unbiased	5	5	0
43	50	LDR Unbiased	5	5	0
44	50	LDR Unbiased	5	5	0
45	50	LDR Unbiased	5	5	0
46	100	LDR Unbiased	5	5	0
47	100	LDR Unbiased	5	5	0
48	100	LDR Unbiased	5	5	0
49	100	LDR Unbiased	5	5	0
50	100	LDR Unbiased	5	5	0
60	0	Correlation	5	5	0
61	0	Correlation	5	5	0
62	0	Correlation	5	5	0
63	0	Correlation	5	5	0
64	0	Correlation	5	5	0
65	0	Correlation	5	5	0

Test Statistics (V)

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	5	5	5	0	5	5	5	0	0	0	0	0
3	5	5	5	0	5	5	5	0	0	0	0	0
10	5	5	5	0	5	5	5	0	0	0	0	0
30	5	5	5	0	5	5	5	0	0	0	0	0
50	5	5	5	0	5	5	5	0	0	0	0	0
100	5	5	5	0	5	5	5	0	0	0	0	0

Device Test: 24.103 _LEVELS|VOH/SYNC2/12//511k//@SYNC_OUT_HIGH_7V





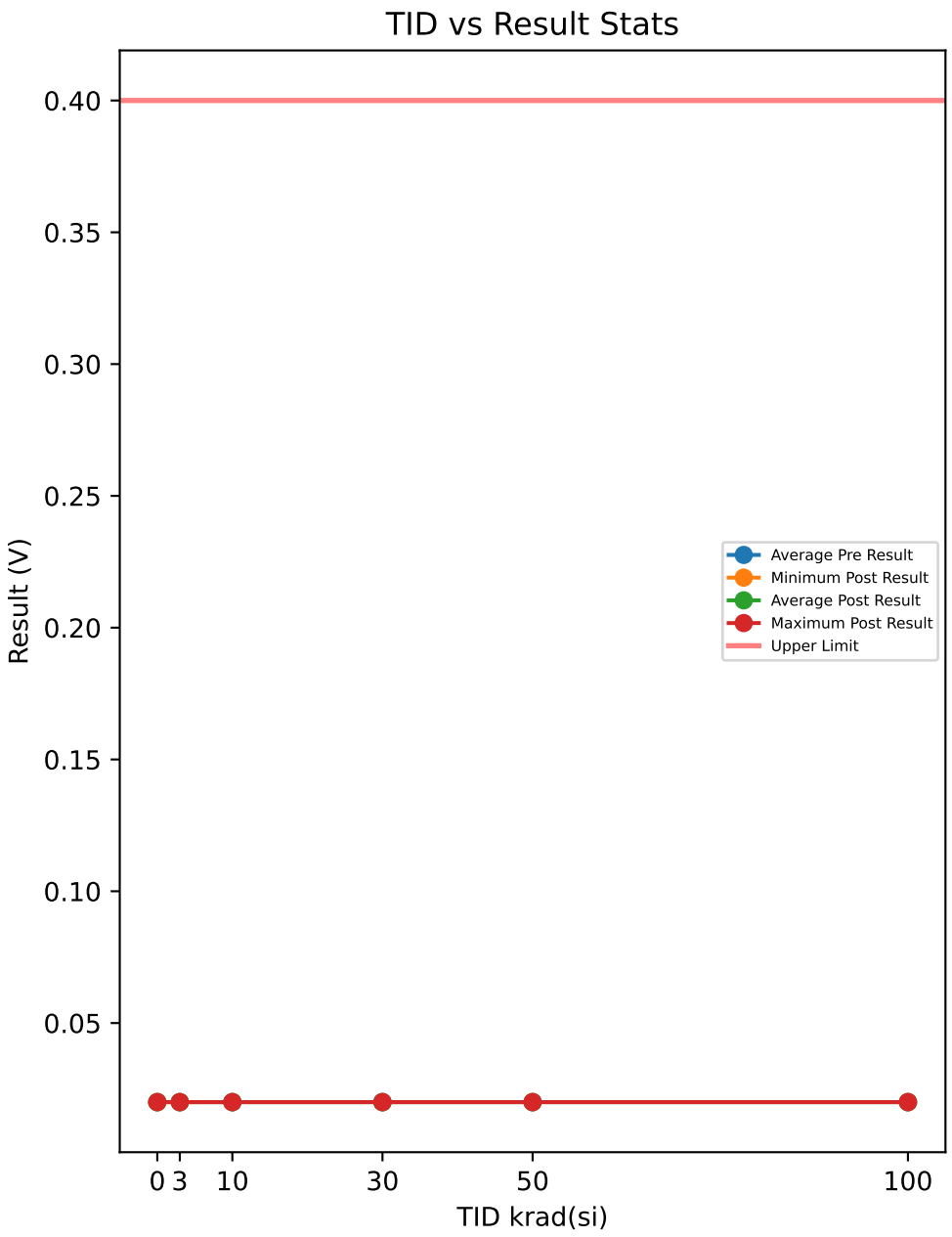
Test Results (Lower Limit = 4.5, Upper Limit = 5.2 (V))

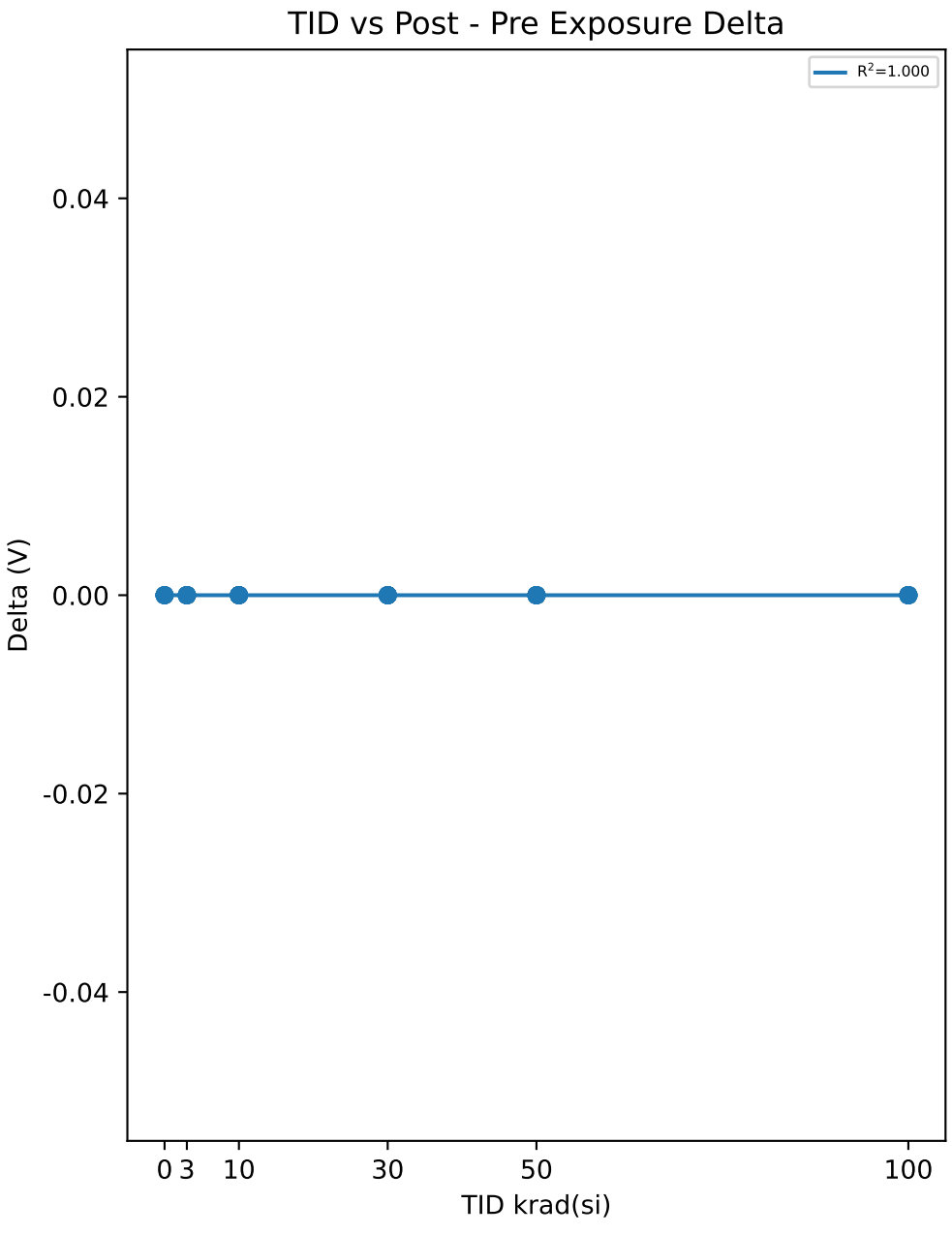
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	LDR Biased	5	5	0
2	3	LDR Biased	5	5	0
3	3	LDR Biased	5	5	0
4	3	LDR Biased	5	5	0
5	3	LDR Biased	5	5	0
6	10	LDR Biased	5	5	0
7	10	LDR Biased	5	5	0
8	10	LDR Biased	5	5	0
9	10	LDR Biased	5	5	0
10	10	LDR Biased	5	5	0
11	30	LDR Biased	5	5	0
12	30	LDR Biased	5	5	0
13	30	LDR Biased	5	5	0
14	30	LDR Biased	5	5	0
15	30	LDR Biased	5	5	0
16	50	LDR Biased	5	5	0
17	50	LDR Biased	5	5	0
18	50	LDR Biased	5	5	0
19	50	LDR Biased	5	5	0
20	50	LDR Biased	5	5	0
21	100	LDR Biased	5	5	0
22	100	LDR Biased	5	5	0
23	100	LDR Biased	5	5	0
24	100	LDR Biased	5	5	0
25	100	LDR Biased	5	5	0
26	3	LDR Unbiased	5	5	0
27	3	LDR Unbiased	5	5	0
28	3	LDR Unbiased	5	5	0
29	3	LDR Unbiased	5	5	0
30	3	LDR Unbiased	5	5	0
31	10	LDR Unbiased	5	5	0
32	10	LDR Unbiased	5	5	0
33	10	LDR Unbiased	5	5	0
34	10	LDR Unbiased	5	5	0
35	10	LDR Unbiased	5	5	0
36	30	LDR Unbiased	5	5	0
37	30	LDR Unbiased	5	5	0
38	30	LDR Unbiased	5	5	0
39	30	LDR Unbiased	5	5	0
40	30	LDR Unbiased	5	5	0
41	50	LDR Unbiased	5	5	0
42	50	LDR Unbiased	5	5	0
43	50	LDR Unbiased	5	5	0
44	50	LDR Unbiased	5	5	0
45	50	LDR Unbiased	5	5	0
46	100	LDR Unbiased	5	5	0
47	100	LDR Unbiased	5	5	0
48	100	LDR Unbiased	5	5	0
49	100	LDR Unbiased	5	5	0
50	100	LDR Unbiased	5	5	0
60	0	Correlation	5	5	0
61	0	Correlation	5	5	0
62	0	Correlation	5	5	0
63	0	Correlation	5	5	0
64	0	Correlation	5	5	0
65	0	Correlation	5	5	0

Test Statistics (V)

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	5	5	5	0	5	5	5	0	0	0	0	0
3	5	5	5	0	5	5	5	0	0	0	0	0
10	5	5	5	0	5	5	5	0	0	0	0	0
30	5	5	5	0	5	5	5	0	0	0	0	0
50	5	5	5	0	5	5	5	0	0	0	0	0
100	5	5	5	0	5	5	5	0	0	0	0	0

Device Test: 24.104 _LEVELS|VOL/SYNC1/12//511k//@SYNC_OUT_LOW





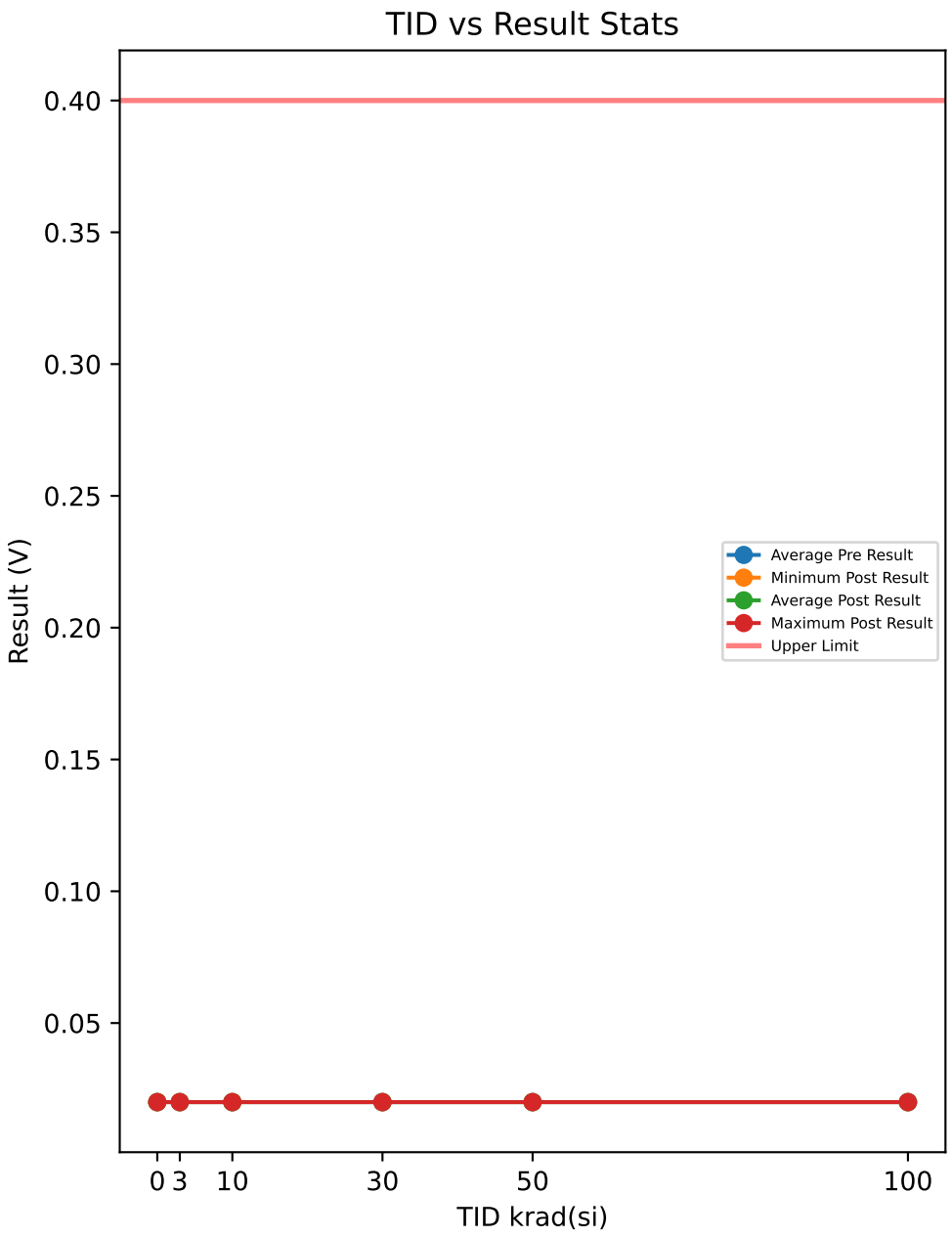
Test Results (Upper Limit = 0.4 (V))

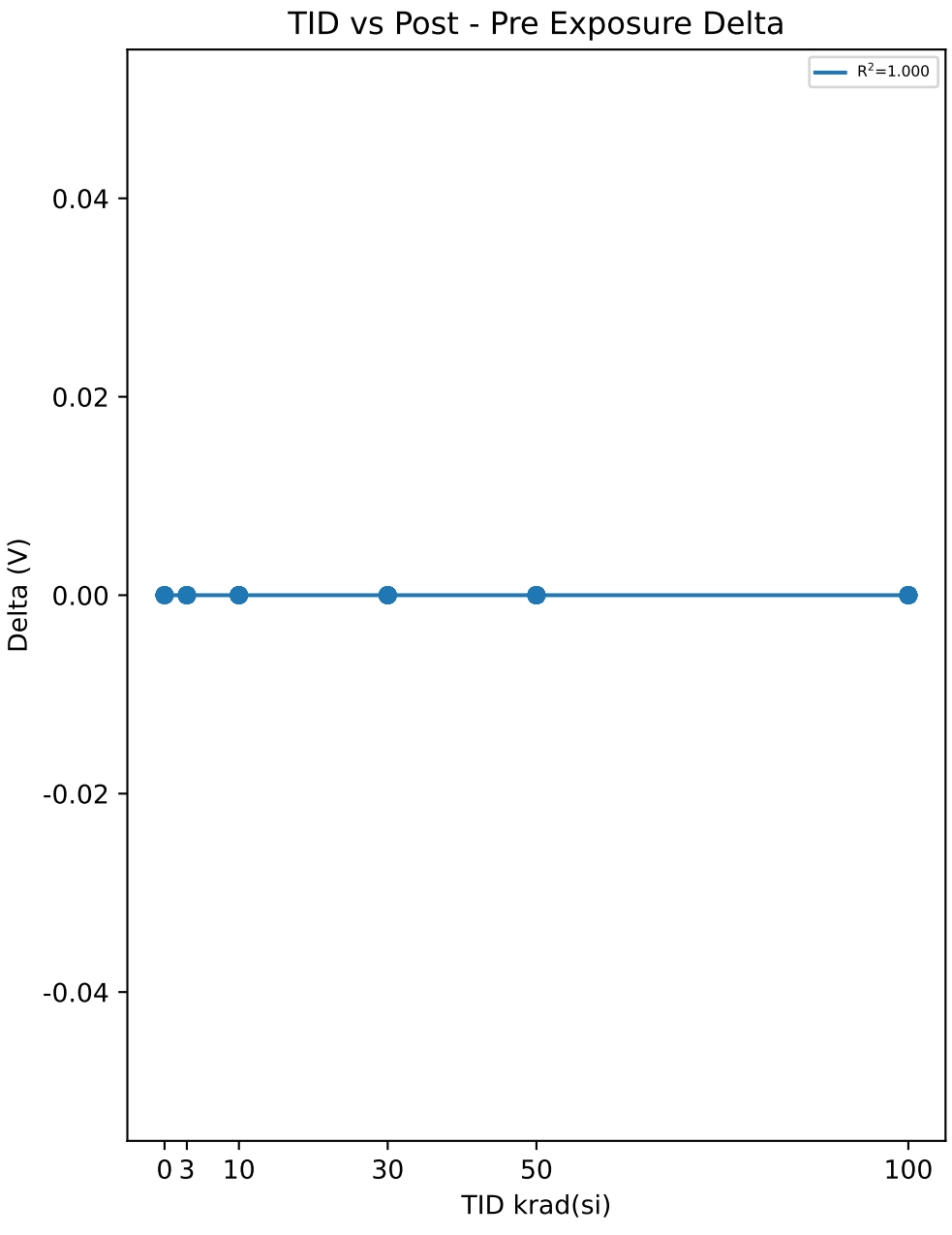
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	LDR Biased	0.02	0.02	0
2	3	LDR Biased	0.02	0.02	0
3	3	LDR Biased	0.02	0.02	0
4	3	LDR Biased	0.02	0.02	0
5	3	LDR Biased	0.02	0.02	0
6	10	LDR Biased	0.02	0.02	0
7	10	LDR Biased	0.02	0.02	0
8	10	LDR Biased	0.02	0.02	0
9	10	LDR Biased	0.02	0.02	0
10	10	LDR Biased	0.02	0.02	0
11	30	LDR Biased	0.02	0.02	0
12	30	LDR Biased	0.02	0.02	0
13	30	LDR Biased	0.02	0.02	0
14	30	LDR Biased	0.02	0.02	0
15	30	LDR Biased	0.02	0.02	0
16	50	LDR Biased	0.02	0.02	0
17	50	LDR Biased	0.02	0.02	0
18	50	LDR Biased	0.02	0.02	0
19	50	LDR Biased	0.02	0.02	0
20	50	LDR Biased	0.02	0.02	0
21	100	LDR Biased	0.02	0.02	0
22	100	LDR Biased	0.02	0.02	0
23	100	LDR Biased	0.02	0.02	0
24	100	LDR Biased	0.02	0.02	0
25	100	LDR Biased	0.02	0.02	0
26	3	LDR Unbiased	0.02	0.02	0
27	3	LDR Unbiased	0.02	0.02	0
28	3	LDR Unbiased	0.02	0.02	0
29	3	LDR Unbiased	0.02	0.02	0
30	3	LDR Unbiased	0.02	0.02	0
31	10	LDR Unbiased	0.02	0.02	0
32	10	LDR Unbiased	0.02	0.02	0
33	10	LDR Unbiased	0.02	0.02	0
34	10	LDR Unbiased	0.02	0.02	0
35	10	LDR Unbiased	0.02	0.02	0
36	30	LDR Unbiased	0.02	0.02	0
37	30	LDR Unbiased	0.02	0.02	0
38	30	LDR Unbiased	0.02	0.02	0
39	30	LDR Unbiased	0.02	0.02	0
40	30	LDR Unbiased	0.02	0.02	0
41	50	LDR Unbiased	0.02	0.02	0
42	50	LDR Unbiased	0.02	0.02	0
43	50	LDR Unbiased	0.02	0.02	0
44	50	LDR Unbiased	0.02	0.02	0
45	50	LDR Unbiased	0.02	0.02	0
46	100	LDR Unbiased	0.02	0.02	0
47	100	LDR Unbiased	0.02	0.02	0
48	100	LDR Unbiased	0.02	0.02	0
49	100	LDR Unbiased	0.02	0.02	0
50	100	LDR Unbiased	0.02	0.02	0
60	0	Correlation	0.02	0.02	0
61	0	Correlation	0.02	0.02	0
62	0	Correlation	0.02	0.02	0
63	0	Correlation	0.02	0.02	0
64	0	Correlation	0.02	0.02	0
65	0	Correlation	0.02	0.02	0

Test Statistics (V)

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	0.02	0.02	0.02	0	0.02	0.02	0.02	0	0	0	0	0
3	0.02	0.02	0.02	0	0.02	0.02	0.02	0	0	0	0	0
10	0.02	0.02	0.02	0	0.02	0.02	0.02	0	0	0	0	0
30	0.02	0.02	0.02	0	0.02	0.02	0.02	0	0	0	0	0
50	0.02	0.02	0.02	0	0.02	0.02	0.02	0	0	0	0	0
100	0.02	0.02	0.02	0	0.02	0.02	0.02	0	0	0	0	0

Device Test: 24.105 _LEVELS|VOL/SYNC2/12//511k//@SYNC_OUT_LOW





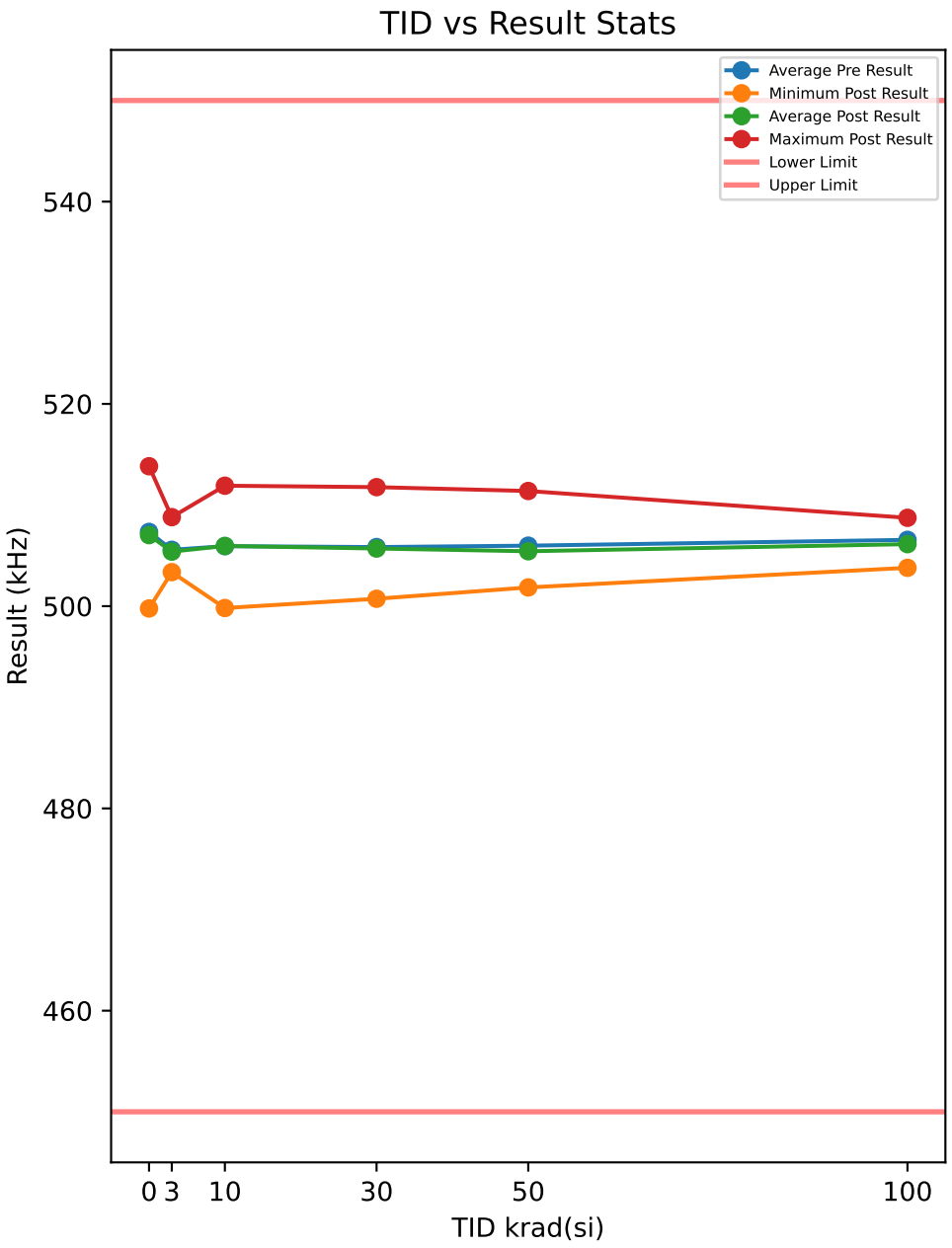
Test Results (Upper Limit = 0.4 (V))

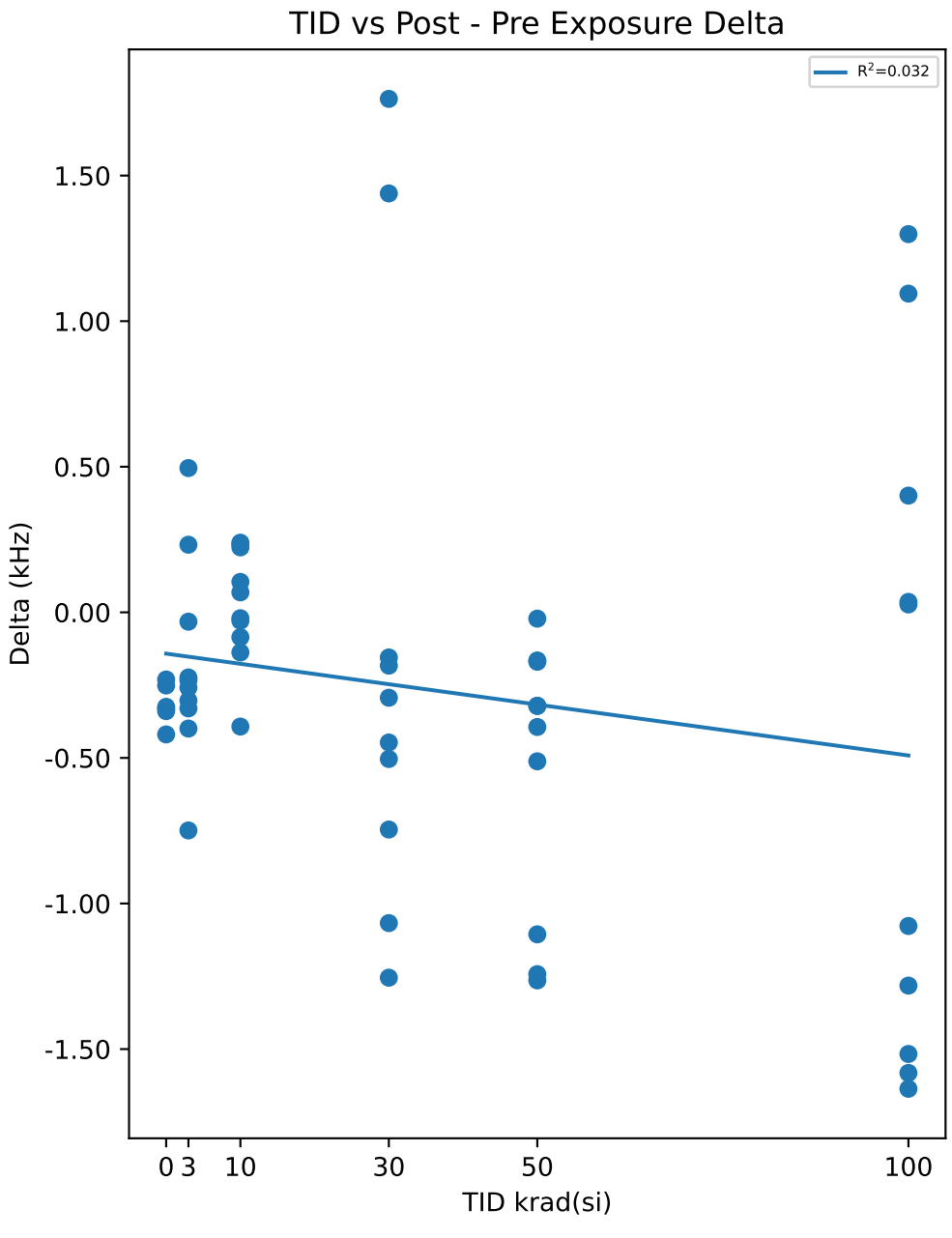
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	LDR Biased	0.02	0.02	0
2	3	LDR Biased	0.02	0.02	0
3	3	LDR Biased	0.02	0.02	0
4	3	LDR Biased	0.02	0.02	0
5	3	LDR Biased	0.02	0.02	0
6	10	LDR Biased	0.02	0.02	0
7	10	LDR Biased	0.02	0.02	0
8	10	LDR Biased	0.02	0.02	0
9	10	LDR Biased	0.02	0.02	0
10	10	LDR Biased	0.02	0.02	0
11	30	LDR Biased	0.02	0.02	0
12	30	LDR Biased	0.02	0.02	0
13	30	LDR Biased	0.02	0.02	0
14	30	LDR Biased	0.02	0.02	0
15	30	LDR Biased	0.02	0.02	0
16	50	LDR Biased	0.02	0.02	0
17	50	LDR Biased	0.02	0.02	0
18	50	LDR Biased	0.02	0.02	0
19	50	LDR Biased	0.02	0.02	0
20	50	LDR Biased	0.02	0.02	0
21	100	LDR Biased	0.02	0.02	0
22	100	LDR Biased	0.02	0.02	0
23	100	LDR Biased	0.02	0.02	0
24	100	LDR Biased	0.02	0.02	0
25	100	LDR Biased	0.02	0.02	0
26	3	LDR Unbiased	0.02	0.02	0
27	3	LDR Unbiased	0.02	0.02	0
28	3	LDR Unbiased	0.02	0.02	0
29	3	LDR Unbiased	0.02	0.02	0
30	3	LDR Unbiased	0.02	0.02	0
31	10	LDR Unbiased	0.02	0.02	0
32	10	LDR Unbiased	0.02	0.02	0
33	10	LDR Unbiased	0.02	0.02	0
34	10	LDR Unbiased	0.02	0.02	0
35	10	LDR Unbiased	0.02	0.02	0
36	30	LDR Unbiased	0.02	0.02	0
37	30	LDR Unbiased	0.02	0.02	0
38	30	LDR Unbiased	0.02	0.02	0
39	30	LDR Unbiased	0.02	0.02	0
40	30	LDR Unbiased	0.02	0.02	0
41	50	LDR Unbiased	0.02	0.02	0
42	50	LDR Unbiased	0.02	0.02	0
43	50	LDR Unbiased	0.02	0.02	0
44	50	LDR Unbiased	0.02	0.02	0
45	50	LDR Unbiased	0.02	0.02	0
46	100	LDR Unbiased	0.02	0.02	0
47	100	LDR Unbiased	0.02	0.02	0
48	100	LDR Unbiased	0.02	0.02	0
49	100	LDR Unbiased	0.02	0.02	0
50	100	LDR Unbiased	0.02	0.02	0
60	0	Correlation	0.02	0.02	0
61	0	Correlation	0.02	0.02	0
62	0	Correlation	0.02	0.02	0
63	0	Correlation	0.02	0.02	0
64	0	Correlation	0.02	0.02	0
65	0	Correlation	0.02	0.02	0

Test Statistics (V)

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	0.02	0.02	0.02	0	0.02	0.02	0.02	0	0	0	0	0
3	0.02	0.02	0.02	0	0.02	0.02	0.02	0	0	0	0	0
10	0.02	0.02	0.02	0	0.02	0.02	0.02	0	0	0	0	0
30	0.02	0.02	0.02	0	0.02	0.02	0.02	0	0	0	0	0
50	0.02	0.02	0.02	0	0.02	0.02	0.02	0	0	0	0	0
100	0.02	0.02	0.02	0	0.02	0.02	0.02	0	0	0	0	0

Device Test: 24.106 _FREQ|500kHz/SYNC1/12//90.9k//@EXT_SET_FREQ_500KHZ_12V





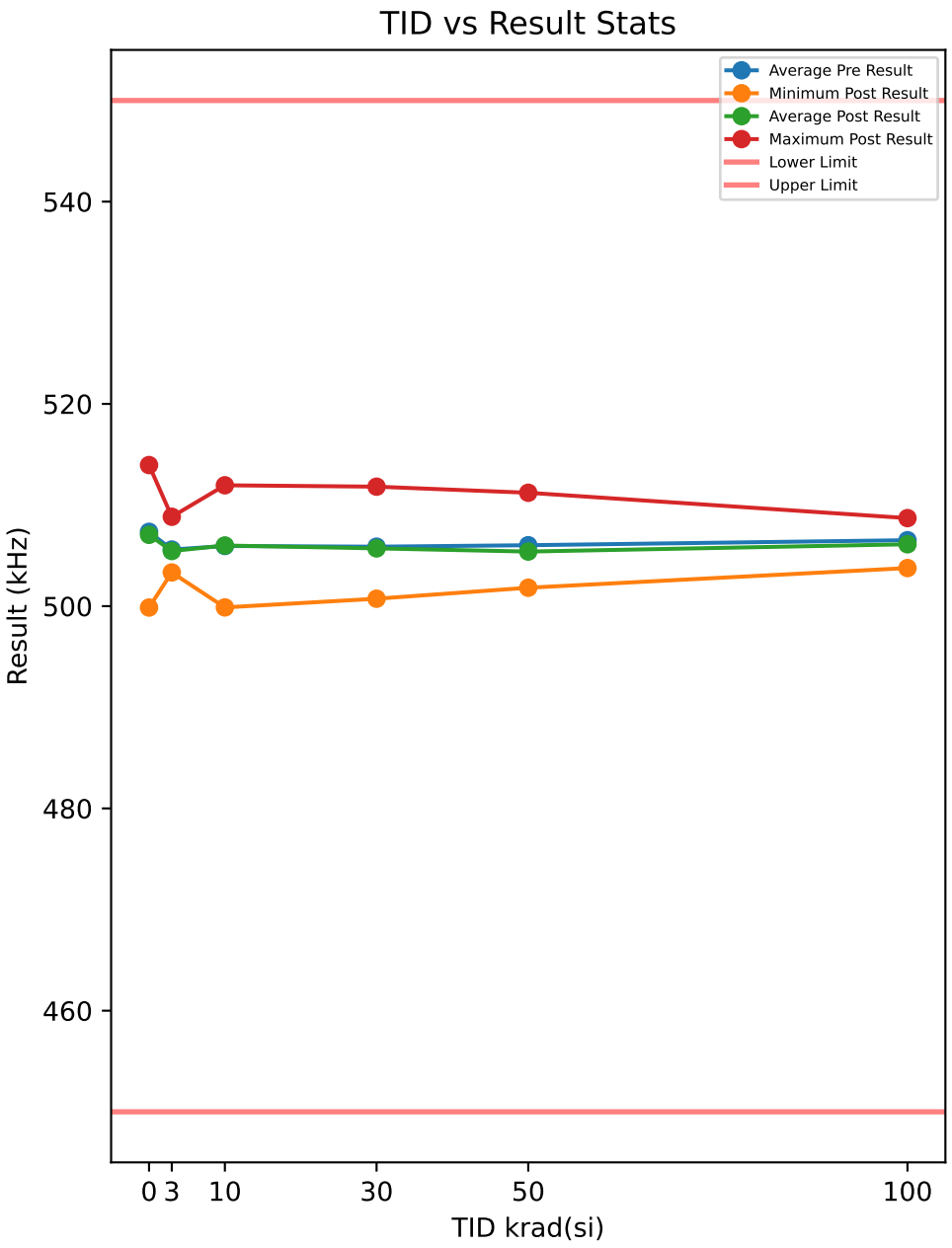
Test Results (Lower Limit = 450.0, Upper Limit = 550.0 (kHz))

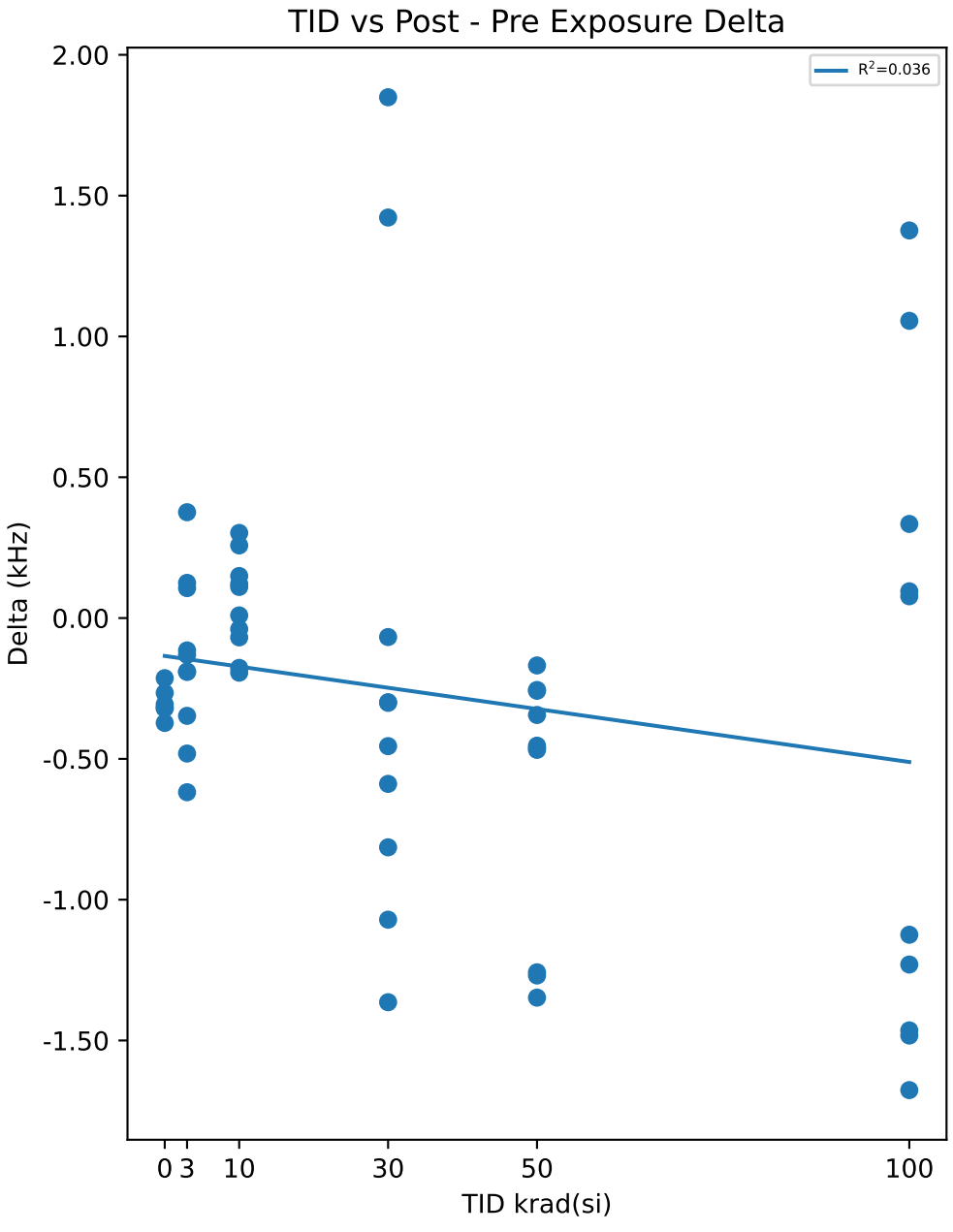
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	LDR Biased	503.3	503.54	0.2322
2	3	LDR Biased	504.91	504.88	-0.0321
3	3	LDR Biased	508.31	508.8	0.4955
4	3	LDR Biased	506.29	505.99	-0.3028
5	3	LDR Biased	504.75	504.42	-0.3298
6	10	LDR Biased	509.49	509.46	-0.0289
7	10	LDR Biased	499.59	499.82	0.2231
8	10	LDR Biased	504.78	505.02	0.2392
9	10	LDR Biased	502.45	502.69	0.2342
10	10	LDR Biased	505.47	505.58	0.1046
11	30	LDR Biased	502.29	503.73	1.4387
12	30	LDR Biased	510	511.77	1.7634
13	30	LDR Biased	508.7	508.52	-0.183
14	30	LDR Biased	506.35	505.9	-0.4471
15	30	LDR Biased	502.18	501.43	-0.746
16	50	LDR Biased	505.6	505.28	-0.3209
17	50	LDR Biased	502.02	501.85	-0.1653
18	50	LDR Biased	507.69	507.37	-0.3215
19	50	LDR Biased	502.53	502.14	-0.3937
20	50	LDR Biased	508.66	508.49	-0.1698
21	100	LDR Biased	505.94	507.24	1.299
22	100	LDR Biased	505.31	503.79	-1.5168
23	100	LDR Biased	508.71	508.74	0.027
24	100	LDR Biased	504.44	504.84	0.4009
25	100	LDR Biased	509.16	508.08	-1.0772
26	3	LDR Unbiased	503.88	503.64	-0.2334
27	3	LDR Unbiased	507.32	506.92	-0.3992
28	3	LDR Unbiased	505.18	504.92	-0.2586
29	3	LDR Unbiased	507.65	507.42	-0.2237
30	3	LDR Unbiased	504.11	503.36	-0.7491
31	10	LDR Unbiased	509.61	509.22	-0.3923
32	10	LDR Unbiased	505.82	505.8	-0.0203
33	10	LDR Unbiased	512.05	511.91	-0.1377
34	10	LDR Unbiased	507.55	507.62	0.0687
35	10	LDR Unbiased	502.5	502.41	-0.0854
36	30	LDR Unbiased	508.6	508.3	-0.2933
37	30	LDR Unbiased	506.68	505.61	-1.0673
38	30	LDR Unbiased	502.94	502.78	-0.155
39	30	LDR Unbiased	501.98	500.73	-1.2548
40	30	LDR Unbiased	508.72	508.21	-0.5037
41	50	LDR Unbiased	505.72	504.62	-1.1059
42	50	LDR Unbiased	503.91	502.67	-1.2426
43	50	LDR Unbiased	507.01	505.75	-1.2641
44	50	LDR Unbiased	511.41	511.39	-0.0217
45	50	LDR Unbiased	505.25	504.74	-0.5117
46	100	LDR Unbiased	506.52	507.62	1.0946
47	100	LDR Unbiased	505.44	503.86	-1.582
48	100	LDR Unbiased	506.93	505.29	-1.6364
49	100	LDR Unbiased	504.55	504.59	0.0359
50	100	LDR Unbiased	508.54	507.26	-1.282
60	0	Correlation	507.54	507.31	-0.2307
61	0	Correlation	509.6	509.27	-0.3312
62	0	Correlation	500.11	499.77	-0.3393
63	0	Correlation	505.22	504.96	-0.2513
64	0	Correlation	514.16	513.83	-0.3245
65	0	Correlation	507.42	507	-0.4193

Test Statistics (kHz)

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	500.11	507.34	514.16	4.657	499.77	507.02	513.83	4.6552	-0.4193	-0.31605	-0.2307	0.067793
3	503.3	505.57	508.31	1.7245	503.36	505.39	508.8	1.8404	-0.7491	-0.1801	0.4955	0.34456
10	499.59	505.93	512.05	3.8274	499.82	505.95	511.91	3.6988	-0.3923	0.02052	0.2392	0.19852
30	501.98	505.84	510	3.192	500.73	505.7	511.77	3.5474	-1.2548	-0.14481	1.7634	0.99091
50	502.02	505.98	511.41	2.853	501.85	505.43	511.39	3.0026	-1.2641	-0.55172	-0.0217	0.47151
100	504.44	506.56	509.16	1.7367	503.79	506.13	508.74	1.8467	-1.6364	-0.4237	1.299	1.1323

Device Test: 24.107 _FREQ|500kHz/SYNC2/12//90.9k//@EXT_SET_FREQ_500KHZ_12V





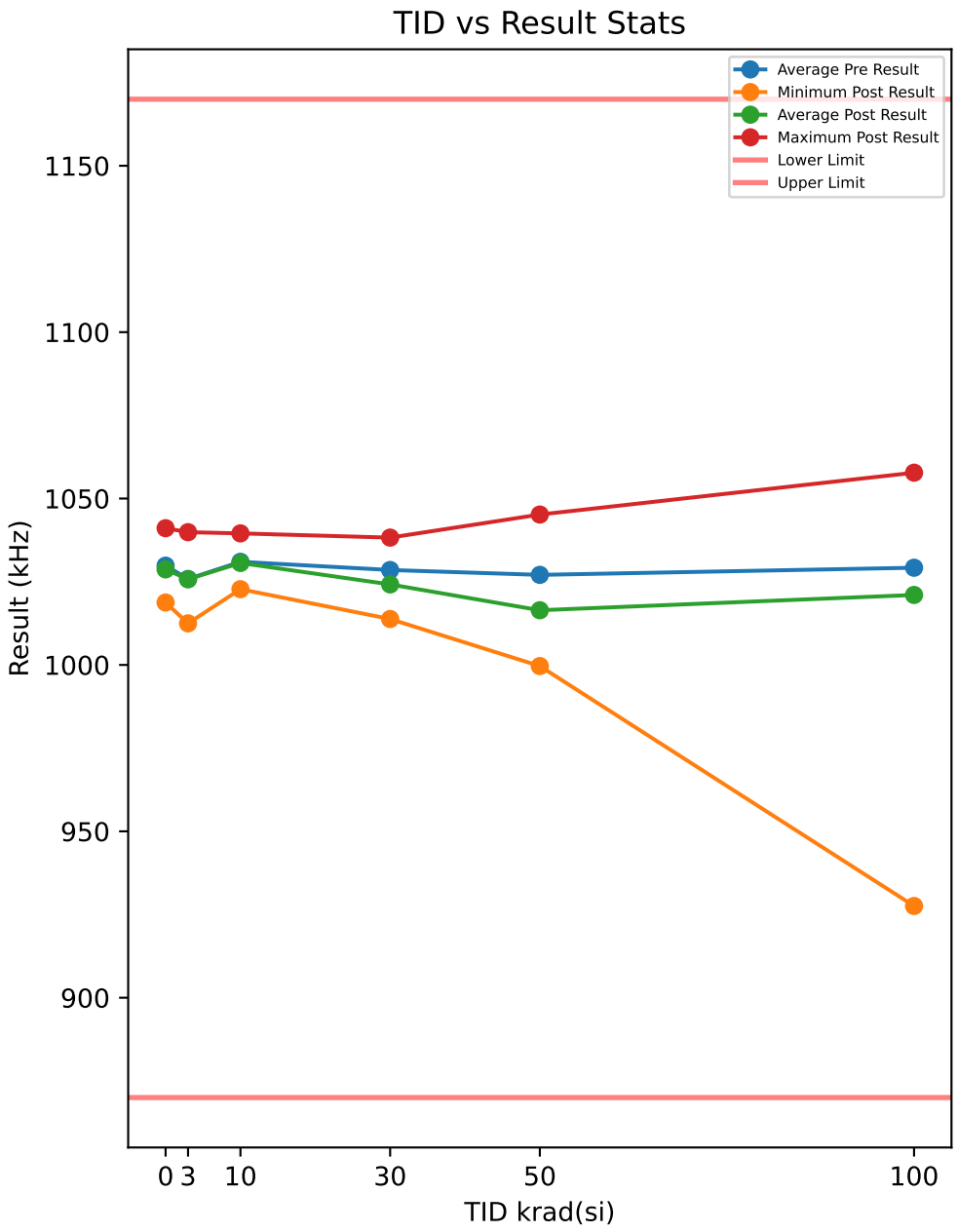
Test Results (Lower Limit = 450.0, Upper Limit = 550.0 (kHz))

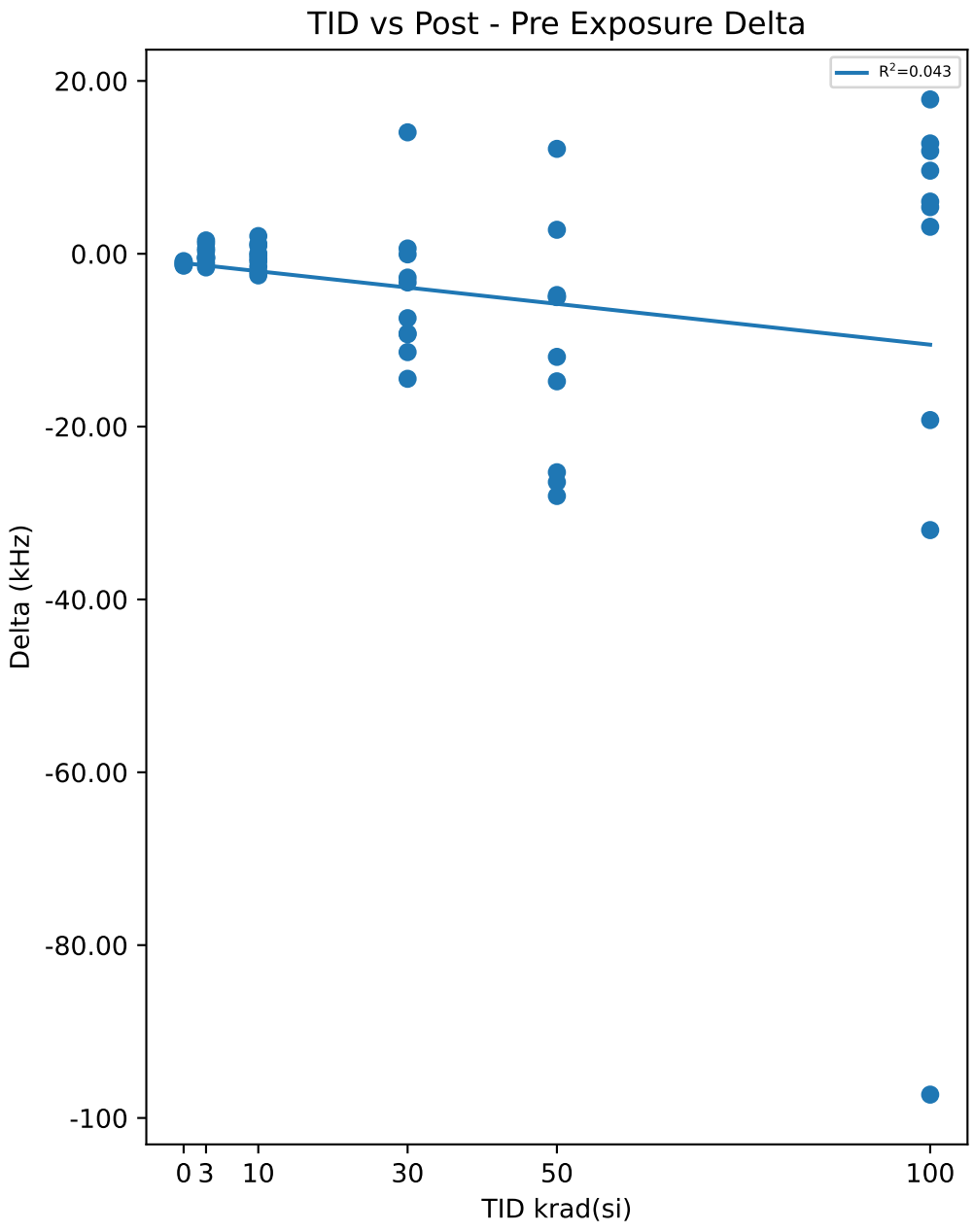
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	LDR Biased	503.5	503.63	0.1249
2	3	LDR Biased	504.9	505	0.1063
3	3	LDR Biased	508.46	508.84	0.3758
4	3	LDR Biased	506.3	506.11	-0.1912
5	3	LDR Biased	504.79	504.44	-0.3472
6	10	LDR Biased	509.62	509.44	-0.177
7	10	LDR Biased	499.62	499.88	0.2579
8	10	LDR Biased	504.83	505.13	0.3023
9	10	LDR Biased	502.54	502.69	0.1493
10	10	LDR Biased	505.42	505.53	0.1105
11	30	LDR Biased	502.35	503.77	1.4222
12	30	LDR Biased	509.97	511.81	1.8493
13	30	LDR Biased	508.64	508.57	-0.0674
14	30	LDR Biased	506.37	505.92	-0.4548
15	30	LDR Biased	502.21	501.4	-0.8141
16	50	LDR Biased	505.59	505.12	-0.468
17	50	LDR Biased	501.99	501.82	-0.1683
18	50	LDR Biased	507.79	507.33	-0.4617
19	50	LDR Biased	502.49	502.23	-0.2554
20	50	LDR Biased	508.81	508.47	-0.3441
21	100	LDR Biased	505.85	507.23	1.3763
22	100	LDR Biased	505.23	503.77	-1.4641
23	100	LDR Biased	508.63	508.71	0.0773
24	100	LDR Biased	504.39	504.73	0.3342
25	100	LDR Biased	509.15	508.03	-1.1245
26	3	LDR Unbiased	503.79	503.67	-0.1149
27	3	LDR Unbiased	507.42	506.94	-0.4811
28	3	LDR Unbiased	505.11	504.98	-0.1307
29	3	LDR Unbiased	507.75	507.56	-0.1901
30	3	LDR Unbiased	503.95	503.33	-0.6185
31	10	LDR Unbiased	509.64	509.44	-0.194
32	10	LDR Unbiased	505.79	505.91	0.1214
33	10	LDR Unbiased	512.02	511.95	-0.0686
34	10	LDR Unbiased	507.56	507.52	-0.0393
35	10	LDR Unbiased	502.45	502.46	0.0094
36	30	LDR Unbiased	508.63	508.33	-0.2988
37	30	LDR Unbiased	506.73	505.65	-1.0711
38	30	LDR Unbiased	503	502.7	-0.301
39	30	LDR Unbiased	502.1	500.74	-1.3641
40	30	LDR Unbiased	508.81	508.22	-0.5888
41	50	LDR Unbiased	505.94	504.68	-1.2579
42	50	LDR Unbiased	503.94	502.67	-1.2692
43	50	LDR Unbiased	507.01	505.66	-1.3478
44	50	LDR Unbiased	511.47	511.21	-0.2582
45	50	LDR Unbiased	505.22	504.77	-0.4532
46	100	LDR Unbiased	506.62	507.67	1.0554
47	100	LDR Unbiased	505.32	503.83	-1.4824
48	100	LDR Unbiased	506.95	505.27	-1.6762
49	100	LDR Unbiased	504.51	504.61	0.095
50	100	LDR Unbiased	508.56	507.33	-1.2303
60	0	Correlation	507.48	507.26	-0.2135
61	0	Correlation	509.56	509.29	-0.2658
62	0	Correlation	500.23	499.86	-0.3724
63	0	Correlation	505.28	504.96	-0.3184
64	0	Correlation	514.26	513.95	-0.3064
65	0	Correlation	507.3	506.98	-0.3208

Test Statistics (kHz)

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	500.23	507.35	514.26	4.6376	499.86	507.05	513.95	4.6635	-0.3724	-0.29955	-0.2135	0.05423
3	503.5	505.6	508.46	1.7761	503.33	505.45	508.84	1.8548	-0.6185	-0.14667	0.3758	0.29637
10	499.62	505.95	512.02	3.8303	499.88	506	511.95	3.7033	-0.194	0.04719	0.3023	0.17002
30	502.1	505.88	509.97	3.16	500.74	505.71	511.81	3.5715	-1.3641	-0.16886	1.8493	1.031
50	501.99	506.03	511.47	2.8962	501.82	505.4	511.21	2.949	-1.3478	-0.62838	-0.1683	0.46873
100	504.39	506.52	509.15	1.7582	503.77	506.12	508.71	1.8601	-1.6762	-0.40393	1.3763	1.127

Device Test: 24.108 _FREQ|1MHz/SYNC1/12//34.8k//@EXT_SET_FREQ_1000KHZ_12V





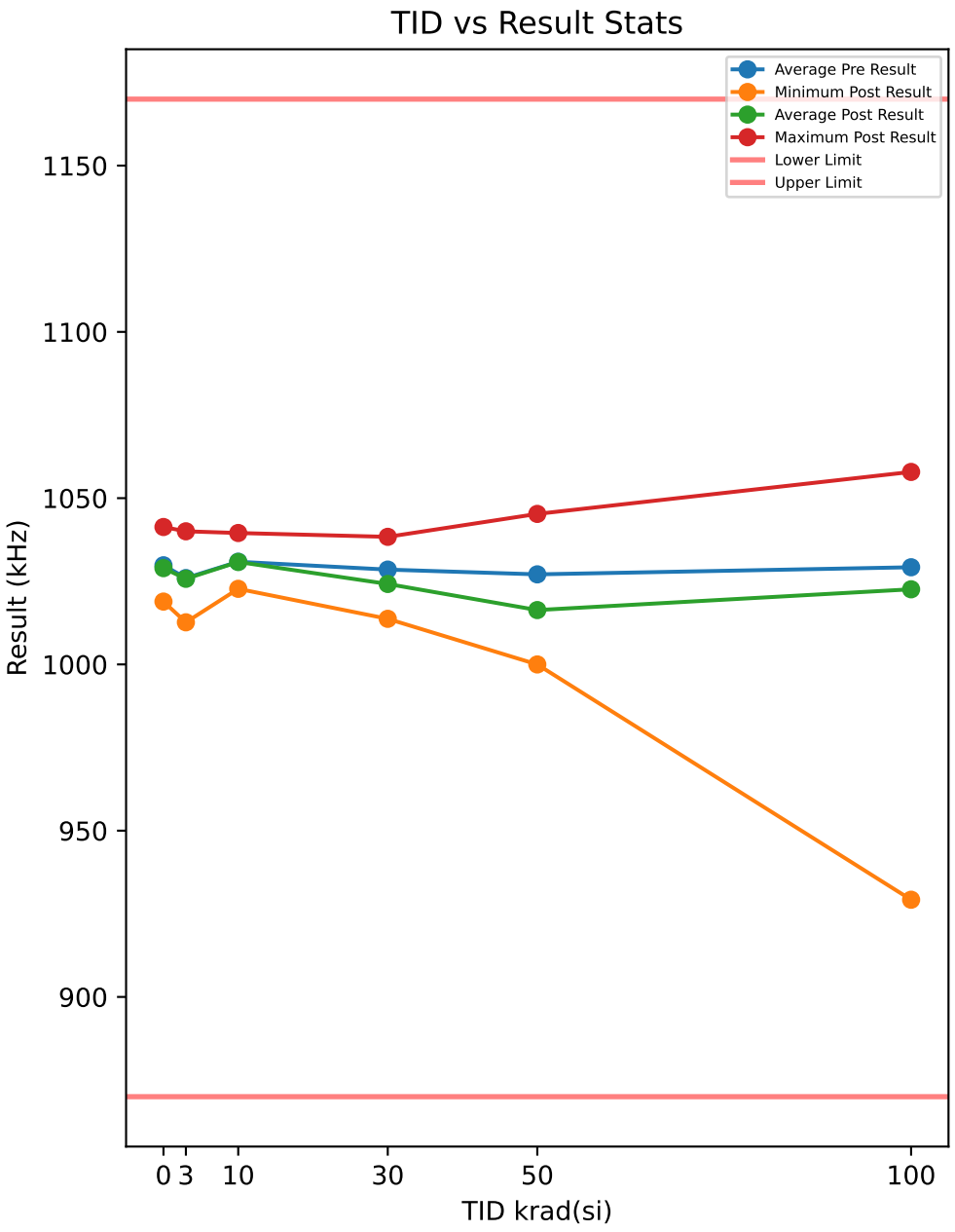
Test Results (Lower Limit = 870.0, Upper Limit = 1170.0 (kHz))

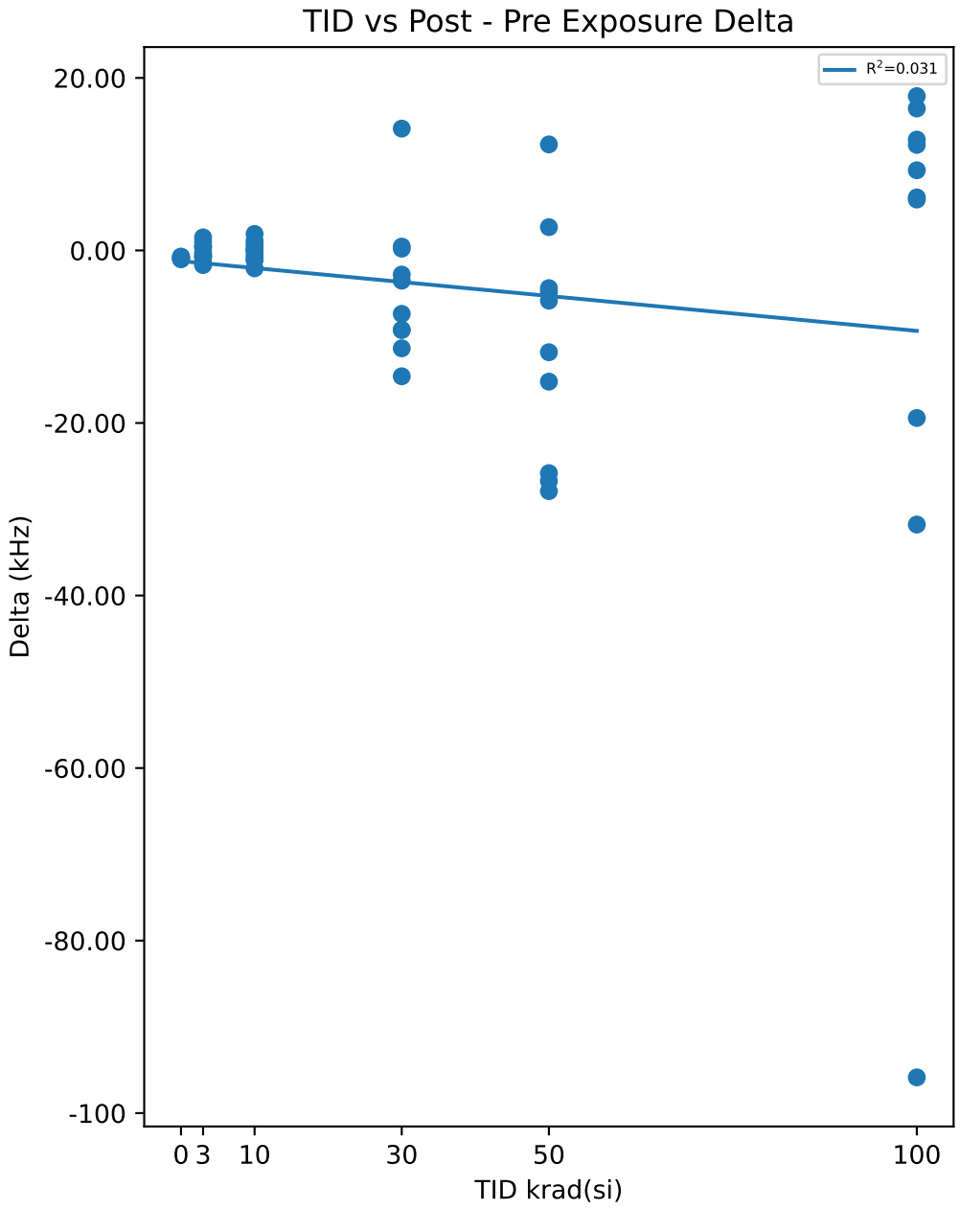
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	LDR Biased	1013	1012.5	-0.4816
2	3	LDR Biased	1033.7	1034.9	1.219
3	3	LDR Biased	1038.3	1039.9	1.5465
4	3	LDR Biased	1031.5	1032.1	0.6062
5	3	LDR Biased	1022	1022.4	0.3376
6	10	LDR Biased	1037.2	1037	-0.1737
7	10	LDR Biased	1022	1023.1	1.1636
8	10	LDR Biased	1035.5	1033	-2.5034
9	10	LDR Biased	1020.7	1022.8	2.0498
10	10	LDR Biased	1029.5	1030.4	0.9281
11	30	LDR Biased	1024.2	1038.3	14.054
12	30	LDR Biased	1028.6	1017.2	-11.38
13	30	LDR Biased	1028.8	1014.3	-14.467
14	30	LDR Biased	1034.2	1031.4	-2.7546
15	30	LDR Biased	1021.7	1021.7	-0.0659
16	50	LDR Biased	1033.1	1045.2	12.141
17	50	LDR Biased	1025.2	1027.9	2.7773
18	50	LDR Biased	1027.5	1002.2	-25.282
19	50	LDR Biased	1023.8	1011.9	-11.93
20	50	LDR Biased	1026.8	1000.3	-26.419
21	100	LDR Biased	1030.2	1033.3	3.1234
22	100	LDR Biased	1022.8	1032.4	9.6169
23	100	LDR Biased	1039.9	1057.8	17.861
24	100	LDR Biased	1029.5	1042.3	12.768
25	100	LDR Biased	1029.1	1009.9	-19.241
26	3	LDR Unbiased	1016.4	1015.3	-1.1021
27	3	LDR Unbiased	1023.9	1023.3	-0.6027
28	3	LDR Unbiased	1035	1034.6	-0.4297
29	3	LDR Unbiased	1024.8	1024.5	-0.3381
30	3	LDR Unbiased	1019.5	1017.9	-1.5801
31	10	LDR Unbiased	1040.4	1039.5	-0.878
32	10	LDR Unbiased	1029.6	1029.6	0.0506
33	10	LDR Unbiased	1038.1	1036	-2.0925
34	10	LDR Unbiased	1031.5	1030	-1.4887
35	10	LDR Unbiased	1025.4	1024.9	-0.5599
36	30	LDR Unbiased	1028.2	1019	-9.2124
37	30	LDR Unbiased	1031.8	1022.5	-9.3107
38	30	LDR Unbiased	1030.8	1031.4	0.6095
39	30	LDR Unbiased	1021.3	1013.8	-7.4539
40	30	LDR Unbiased	1035.8	1032.5	-3.3207
41	50	LDR Unbiased	1030.7	1025.9	-4.7744
42	50	LDR Unbiased	1026.5	1021.5	-4.9914
43	50	LDR Unbiased	1027.3	1022.3	-5.0131
44	50	LDR Unbiased	1027.7	999.66	-28.027
45	50	LDR Unbiased	1022.2	1007.4	-14.759
46	100	LDR Unbiased	1036.2	1048.1	11.894
47	100	LDR Unbiased	1029.9	1035.9	6.0403
48	100	LDR Unbiased	1033.8	1039.2	5.3931
49	100	LDR Unbiased	1024.9	927.57	-97.3
50	100	LDR Unbiased	1015.7	983.77	-31.974
60	0	Correlation	1026.6	1025.3	-1.3126
61	0	Correlation	1031	1030	-0.9159
62	0	Correlation	1019.6	1018.8	-0.8493
63	0	Correlation	1029.4	1028.2	-1.2031
64	0	Correlation	1042.5	1041.1	-1.375
65	0	Correlation	1030	1028.9	-1.0533

Test Statistics (kHz)

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	1019.6	1029.8	1042.5	7.4334	1018.8	1028.7	1041.1	7.2984	-1.375	-1.1182	-0.8493	0.21372
3	1013	1025.8	1038.3	8.4843	1012.5	1025.7	1039.9	9.2325	-1.5801	-0.0825	1.5465	0.99423
10	1020.7	1031	1040.4	6.8418	1022.8	1030.6	1039.5	5.8498	-2.5034	-0.35041	2.0498	1.4594
30	1021.3	1028.5	1035.8	4.9258	1013.8	1024.2	1038.3	8.5694	-14.467	-4.3301	14.054	8.1302
50	1022.2	1027.1	1033.1	3.132	999.66	1016.4	1045.2	14.731	-28.027	-10.628	12.141	13.255
100	1015.7	1029.2	1039.9	6.892	927.57	1021	1057.8	38.896	-97.3	-8.1819	17.861	34.931

Device Test: 24.109 _FREQ|1MHz/SYNC2/12//34.8k//@EXT_SET_FREQ_1000KHZ_12V





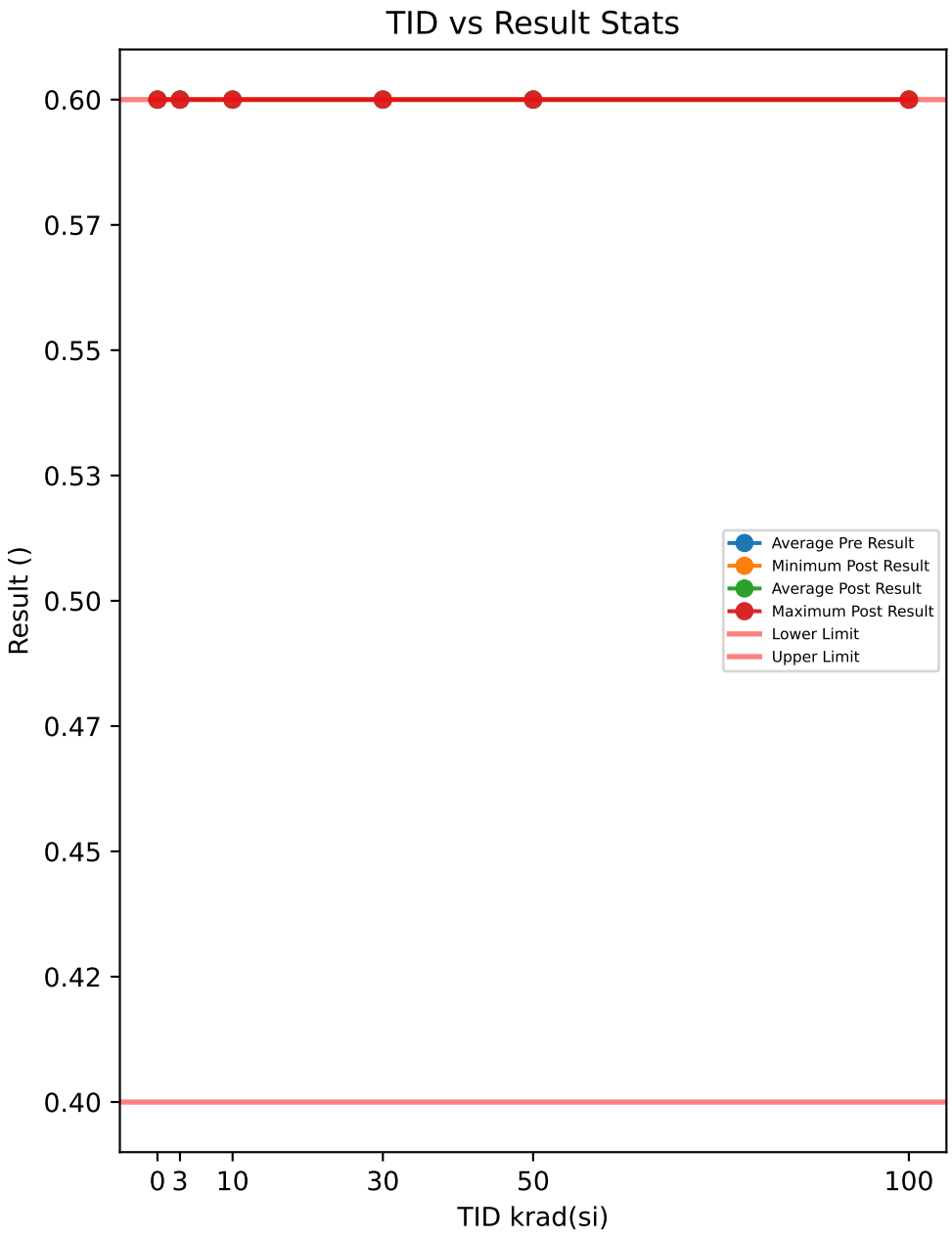
Test Results (Lower Limit = 870.0, Upper Limit = 1170.0 (kHz))

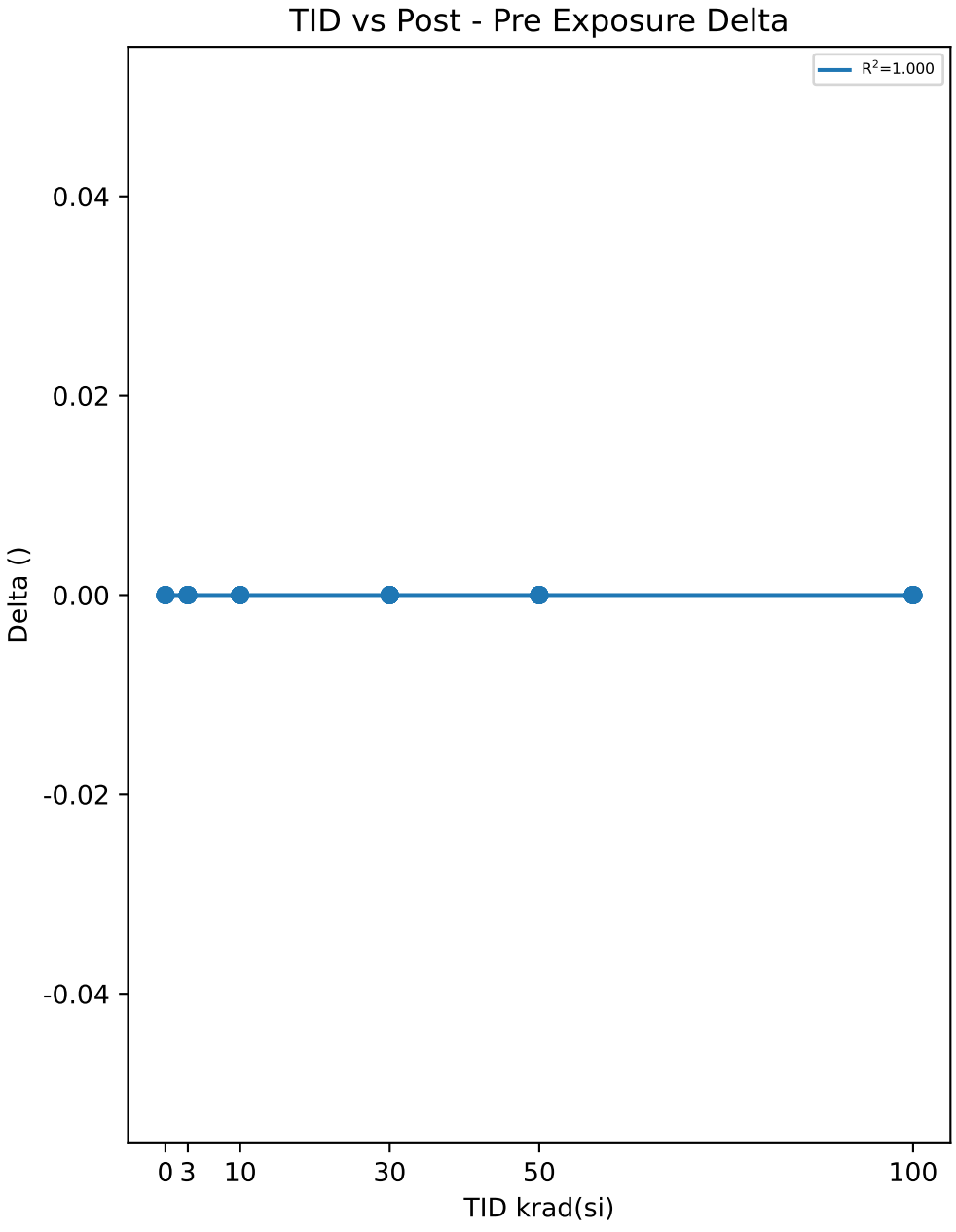
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	LDR Biased	1013.4	1012.7	-0.7067
2	3	LDR Biased	1034	1035	0.9991
3	3	LDR Biased	1038.5	1040	1.5176
4	3	LDR Biased	1031.4	1031.9	0.4704
5	3	LDR Biased	1022.2	1022.5	0.3863
6	10	LDR Biased	1037	1037.3	0.3152
7	10	LDR Biased	1022.1	1023.3	1.1249
8	10	LDR Biased	1035.2	1033.1	-2.0726
9	10	LDR Biased	1020.8	1022.7	1.914
10	10	LDR Biased	1029.7	1030.4	0.7087
11	30	LDR Biased	1024.2	1038.4	14.125
12	30	LDR Biased	1028.6	1017.3	-11.346
13	30	LDR Biased	1028.9	1014.3	-14.586
14	30	LDR Biased	1034.2	1031.4	-2.791
15	30	LDR Biased	1021.6	1021.8	0.21
16	50	LDR Biased	1033	1045.3	12.293
17	50	LDR Biased	1024.9	1027.6	2.7043
18	50	LDR Biased	1027.6	1001.8	-25.811
19	50	LDR Biased	1023.9	1012.1	-11.797
20	50	LDR Biased	1026.8	1000.1	-26.734
21	100	LDR Biased	1030.1	1046.5	16.459
22	100	LDR Biased	1022.8	1032.1	9.2946
23	100	LDR Biased	1040	1057.9	17.891
24	100	LDR Biased	1029.4	1042.2	12.854
25	100	LDR Biased	1029.3	1009.9	-19.417
26	3	LDR Unbiased	1016.7	1015.2	-1.5091
27	3	LDR Unbiased	1024.1	1023.2	-0.8269
28	3	LDR Unbiased	1034.9	1034.6	-0.2846
29	3	LDR Unbiased	1025	1024.4	-0.5801
30	3	LDR Unbiased	1019.6	1017.9	-1.6974
31	10	LDR Unbiased	1040.1	1039.5	-0.5926
32	10	LDR Unbiased	1029.7	1029.7	0.0229
33	10	LDR Unbiased	1037.6	1036.5	-1.1038
34	10	LDR Unbiased	1031.2	1030.2	-1.012
35	10	LDR Unbiased	1025.2	1025.2	-0.0545
36	30	LDR Unbiased	1028	1018.8	-9.2018
37	30	LDR Unbiased	1031.6	1022.4	-9.2142
38	30	LDR Unbiased	1030.9	1031.4	0.4477
39	30	LDR Unbiased	1021.1	1013.7	-7.346
40	30	LDR Unbiased	1035.9	1032.4	-3.503
41	50	LDR Unbiased	1030.7	1026.3	-4.3665
42	50	LDR Unbiased	1026.4	1021.6	-4.7905
43	50	LDR Unbiased	1027.3	1021.5	-5.8214
44	50	LDR Unbiased	1027.9	999.99	-27.898
45	50	LDR Unbiased	1022.4	1007.2	-15.205
46	100	LDR Unbiased	1036.1	1048.3	12.242
47	100	LDR Unbiased	1029.7	1035.9	6.1482
48	100	LDR Unbiased	1033.5	1039.4	5.9037
49	100	LDR Unbiased	1025.1	929.23	-95.857
50	100	LDR Unbiased	1016.2	984.47	-31.772
60	0	Correlation	1026.4	1025.7	-0.7139
61	0	Correlation	1031.1	1030.1	-0.9732
62	0	Correlation	1019.7	1018.9	-0.7734
63	0	Correlation	1029.3	1028.6	-0.7567
64	0	Correlation	1042.3	1041.3	-1.0221
65	0	Correlation	1030	1029.1	-0.9062

Test Statistics (kHz)

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	1019.7	1029.8	1042.3	7.3971	1018.9	1029	1041.3	7.2998	-1.0221	-0.85758	-0.7139	0.12705
3	1013.4	1026	1038.5	8.412	1012.7	1025.7	1040	9.2485	-1.6974	-0.22314	1.5176	1.0506
10	1020.8	1030.9	1040.1	6.6611	1022.7	1030.8	1039.5	5.8874	-2.0726	-0.07498	1.914	1.1722
30	1021.1	1028.5	1035.9	5.0007	1013.7	1024.2	1038.4	8.5911	-14.586	-4.3205	14.125	8.1526
50	1022.4	1027.1	1033	3.0937	999.99	1016.3	1045.3	14.768	-27.898	-10.743	12.293	13.375
100	1016.2	1029.2	1040	6.7402	929.23	1022.6	1057.9	39.083	-95.857	-6.6253	17.891	35.279

Device Test: 24.11 _UTYCYCLE|GNG_60%/SYNC1/4.5//OPEN//@SYNC_IN_DUTY_CYCLE_RANGE





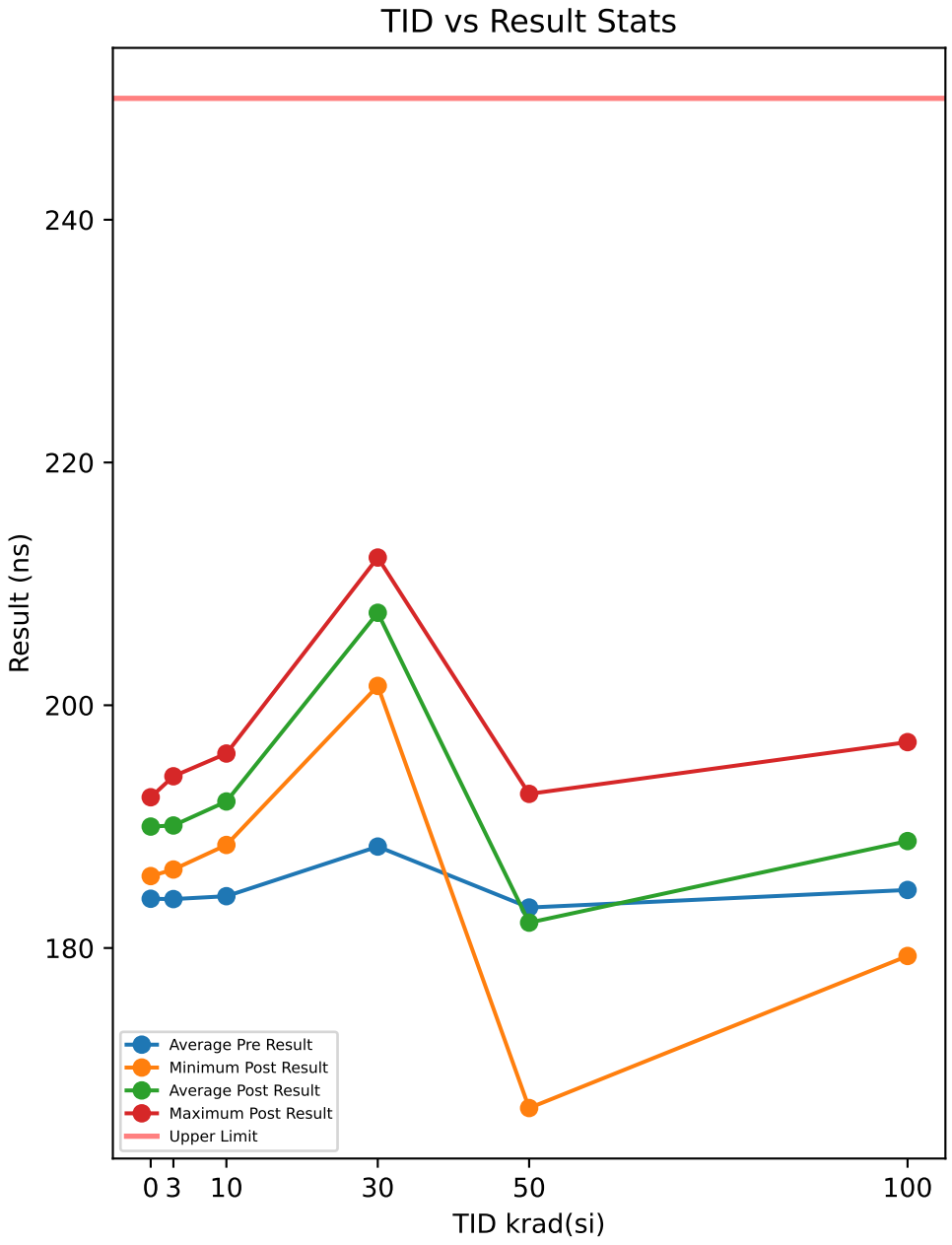
Test Results (Lower Limit = 0.4, Upper Limit = 0.6 ())

Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	LDR Biased	0.6	0.6	0
2	3	LDR Biased	0.6	0.6	0
3	3	LDR Biased	0.6	0.6	0
4	3	LDR Biased	0.6	0.6	0
5	3	LDR Biased	0.6	0.6	0
6	10	LDR Biased	0.6	0.6	0
7	10	LDR Biased	0.6	0.6	0
8	10	LDR Biased	0.6	0.6	0
9	10	LDR Biased	0.6	0.6	0
10	10	LDR Biased	0.6	0.6	0
11	30	LDR Biased	0.6	0.6	0
12	30	LDR Biased	0.6	0.6	0
13	30	LDR Biased	0.6	0.6	0
14	30	LDR Biased	0.6	0.6	0
15	30	LDR Biased	0.6	0.6	0
16	50	LDR Biased	0.6	0.6	0
17	50	LDR Biased	0.6	0.6	0
18	50	LDR Biased	0.6	0.6	0
19	50	LDR Biased	0.6	0.6	0
20	50	LDR Biased	0.6	0.6	0
21	100	LDR Biased	0.6	0.6	0
22	100	LDR Biased	0.6	0.6	0
23	100	LDR Biased	0.6	0.6	0
24	100	LDR Biased	0.6	0.6	0
25	100	LDR Biased	0.6	0.6	0
26	3	LDR Unbiased	0.6	0.6	0
27	3	LDR Unbiased	0.6	0.6	0
28	3	LDR Unbiased	0.6	0.6	0
29	3	LDR Unbiased	0.6	0.6	0
30	3	LDR Unbiased	0.6	0.6	0
31	10	LDR Unbiased	0.6	0.6	0
32	10	LDR Unbiased	0.6	0.6	0
33	10	LDR Unbiased	0.6	0.6	0
34	10	LDR Unbiased	0.6	0.6	0
35	10	LDR Unbiased	0.6	0.6	0
36	30	LDR Unbiased	0.6	0.6	0
37	30	LDR Unbiased	0.6	0.6	0
38	30	LDR Unbiased	0.6	0.6	0
39	30	LDR Unbiased	0.6	0.6	0
40	30	LDR Unbiased	0.6	0.6	0
41	50	LDR Unbiased	0.6	0.6	0
42	50	LDR Unbiased	0.6	0.6	0
43	50	LDR Unbiased	0.6	0.6	0
44	50	LDR Unbiased	0.6	0.6	0
45	50	LDR Unbiased	0.6	0.6	0
46	100	LDR Unbiased	0.6	0.6	0
47	100	LDR Unbiased	0.6	0.6	0
48	100	LDR Unbiased	0.6	0.6	0
49	100	LDR Unbiased	0.6	0.6	0
50	100	LDR Unbiased	0.6	0.6	0
60	0	Correlation	0.6	0.6	0
61	0	Correlation	0.6	0.6	0
62	0	Correlation	0.6	0.6	0
63	0	Correlation	0.6	0.6	0
64	0	Correlation	0.6	0.6	0
65	0	Correlation	0.6	0.6	0

Test Statistics ()

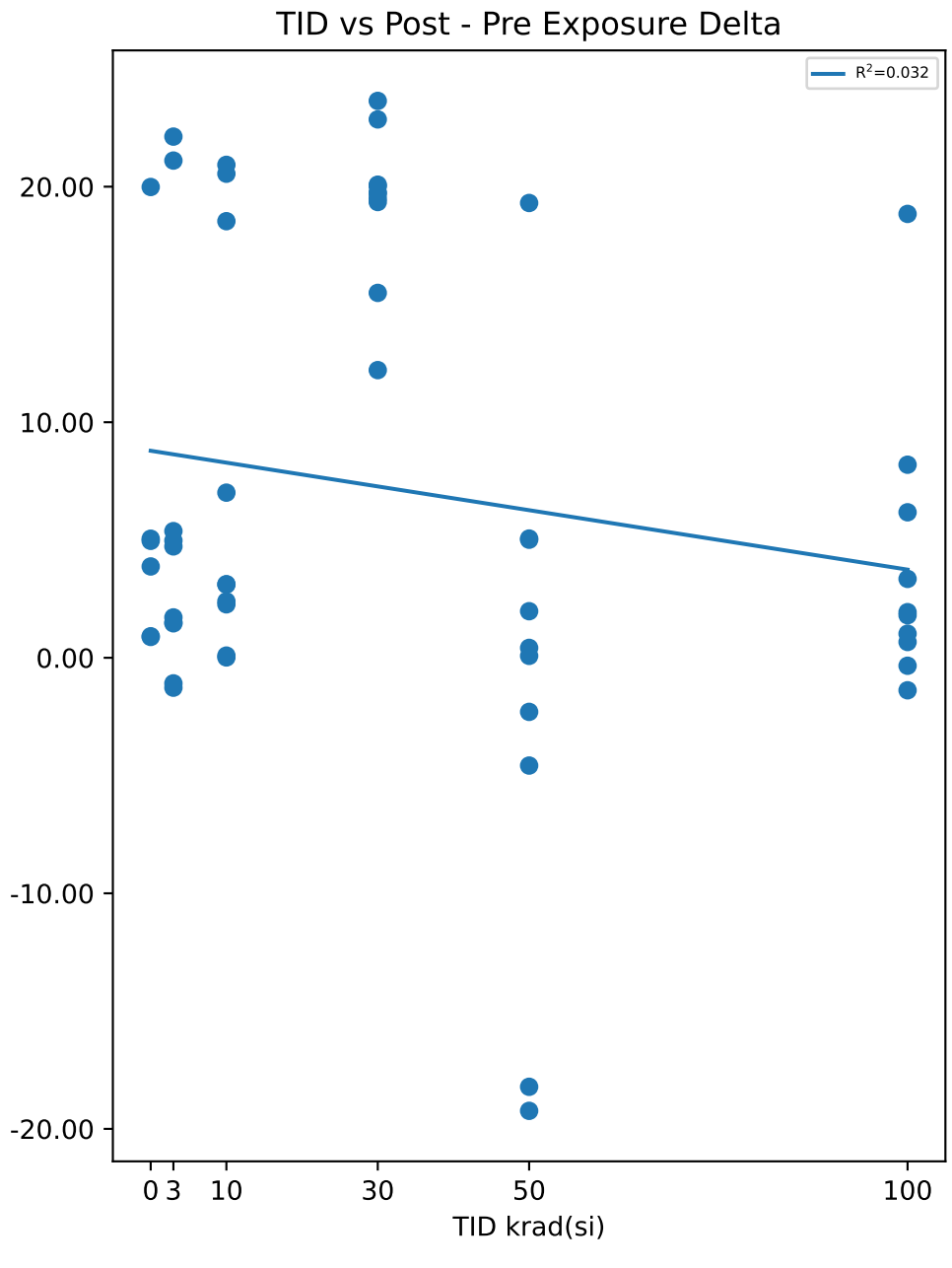
krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	0.6	0.6	0.6	0	0.6	0.6	0.6	0	0	0	0	0
3	0.6	0.6	0.6	0	0.6	0.6	0.6	0	0	0	0	0
10	0.6	0.6	0.6	0	0.6	0.6	0.6	0	0	0	0	0
30	0.6	0.6	0.6	0	0.6	0.6	0.6	0	0	0	0	0
50	0.6	0.6	0.6	0	0.6	0.6	0.6	0	0	0	0	0
100	0.6	0.6	0.6	0	0.6	0.6	0.6	0	0	0	0	0

Device Test: 24.111 _TIMING|MINON/SW/12//511k//@ON_TIME_MIN_12V



Test Results (Upper Limit = 250.0 (ns))

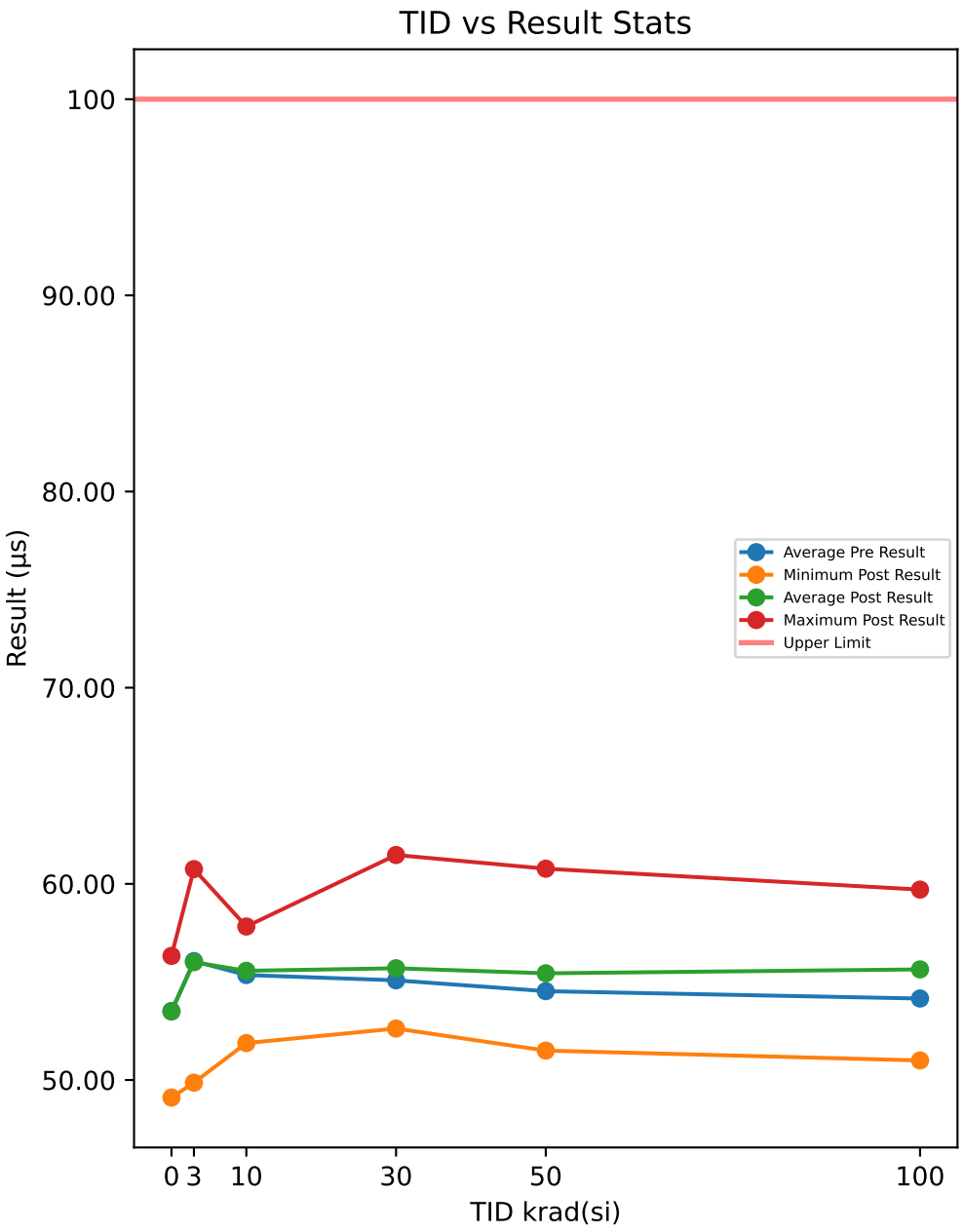
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	LDR Biased	181.09	186.47	5.377
2	3	LDR Biased	186.36	191.34	4.9781
3	3	LDR Biased	169.22	190.32	21.108
4	3	LDR Biased	187.04	188.75	1.714
5	3	LDR Biased	189.81	188.54	-1.2703
6	10	LDR Biased	190.72	193.12	2.3961
7	10	LDR Biased	192.34	192.36	0.0147
8	10	LDR Biased	185.1	192.11	7.0101
9	10	LDR Biased	189.32	192.43	3.1081
10	10	LDR Biased	192.02	192.12	0.093
11	30	LDR Biased	189.13	208.63	19.502
12	30	LDR Biased	187.3	207.38	20.085
13	30	LDR Biased	186.28	209.92	23.642
14	30	LDR Biased	186.66	206.41	19.759
15	30	LDR Biased	192.79	208.28	15.491
16	50	LDR Biased	169.15	188.45	19.308
17	50	LDR Biased	183.94	188.95	5.0118
18	50	LDR Biased	182.6	183.02	0.4198
19	50	LDR Biased	176.14	171.57	-4.5764
20	50	LDR Biased	194.21	191.91	-2.2968
21	100	LDR Biased	168.96	187.81	18.844
22	100	LDR Biased	193.31	193.98	0.67
23	100	LDR Biased	177.54	179.34	1.8051
24	100	LDR Biased	182.62	185.97	3.3489
25	100	LDR Biased	188.4	190.33	1.9366
26	3	LDR Unbiased	165.48	187.6	22.126
27	3	LDR Unbiased	189.42	194.15	4.7279
28	3	LDR Unbiased	192.32	193.81	1.4953
29	3	LDR Unbiased	191.36	192.82	1.4628
30	3	LDR Unbiased	188.21	187.12	-1.0869
31	10	LDR Unbiased	175.47	196.02	20.55
32	10	LDR Unbiased	169.59	190.52	20.928
33	10	LDR Unbiased	174.04	192.58	18.535
34	10	LDR Unbiased	188.72	190.99	2.2687
35	10	LDR Unbiased	185.37	188.49	3.1242
36	30	LDR Unbiased	191.17	210.52	19.349
37	30	LDR Unbiased	184.79	204.49	19.702
38	30	LDR Unbiased	183.93	206.79	22.856
39	30	LDR Unbiased	189.38	201.59	12.213
40	30	LDR Unbiased	192.15	212.17	20.018
41	50	LDR Unbiased	176.84	176.92	0.0809
42	50	LDR Unbiased	187.99	169.77	-18.214
43	50	LDR Unbiased	190.72	192.7	1.9767
44	50	LDR Unbiased	185.72	190.78	5.0616
45	50	LDR Unbiased	186.05	166.81	-19.235
46	100	LDR Unbiased	187.28	188.3	1.0222
47	100	LDR Unbiased	188.17	194.35	6.1764
48	100	LDR Unbiased	188.77	196.96	8.196
49	100	LDR Unbiased	186.42	185.04	-1.3808
50	100	LDR Unbiased	186.35	186.02	-0.3386
60	0	Correlation	180.96	185.92	4.9638
61	0	Correlation	172.43	192.42	19.987
62	0	Correlation	190.25	191.13	0.885
63	0	Correlation	184.84	188.72	3.8764
64	0	Correlation	190.94	191.85	0.913
65	0	Correlation	184.92	189.97	5.0546

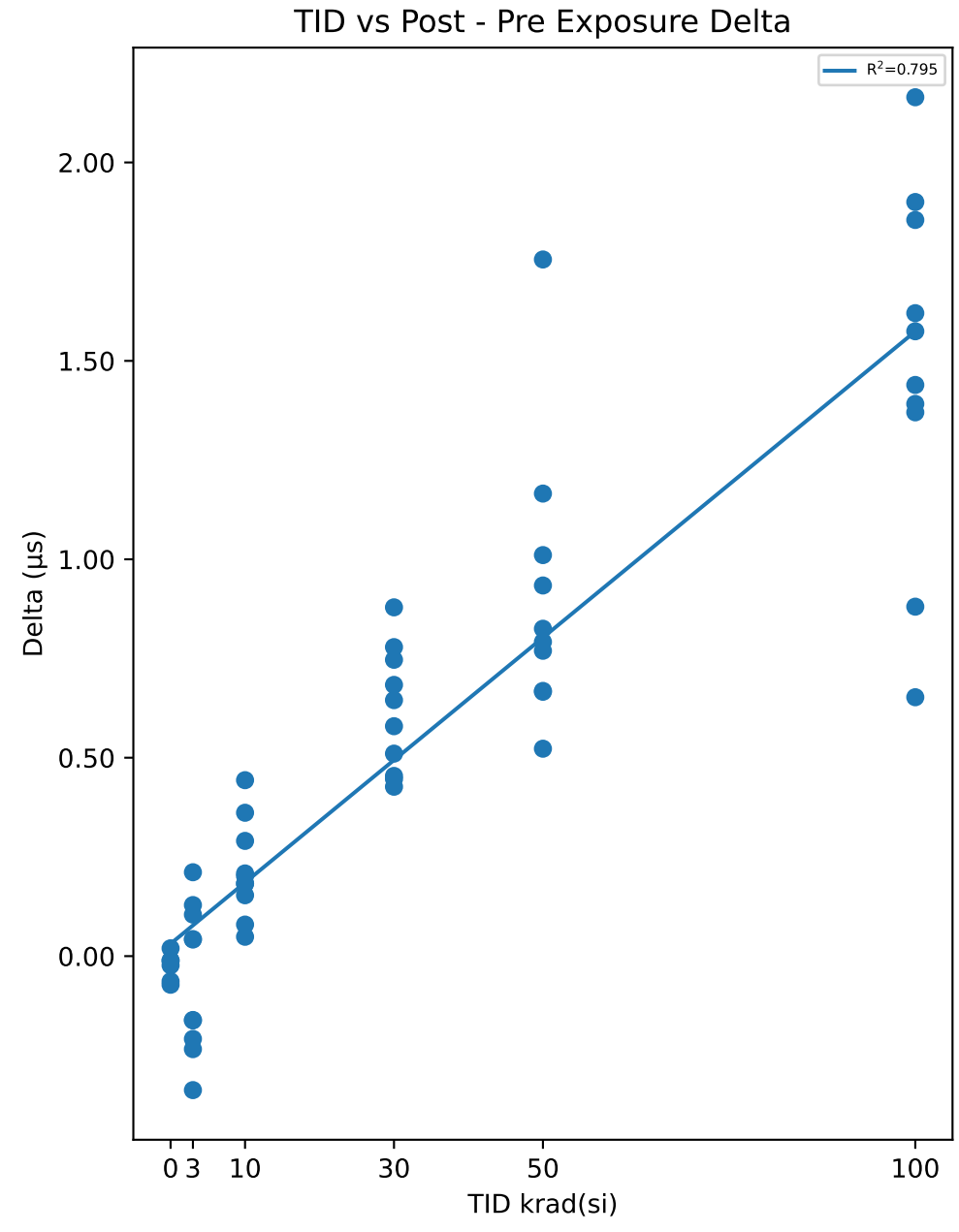


Test Statistics (ns)

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	172.43	184.06	190.94	6.808	185.92	190	192.42	2.4007	0.885	5.9466	19.987	7.1293
3	165.48	184.03	192.32	9.3639	186.47	190.09	194.15	2.8232	-1.2703	6.0632	22.126	8.5221
10	169.59	184.27	192.34	8.2435	188.49	192.07	196.02	1.9319	0.0147	7.8028	20.928	8.6568
30	183.93	188.36	192.79	3.0586	201.59	207.62	212.17	3.0573	12.213	19.262	23.642	3.296
50	169.15	183.34	194.21	7.4797	166.81	182.09	192.7	9.974	-19.235	-1.2464	19.308	11.255
100	168.96	184.78	193.31	6.928	179.34	188.81	196.96	5.2406	-1.3808	4.028	18.844	5.962

Device Test: 24.112 _TIMING|DELAY/EN/12//511k//@T_EN_DELAY





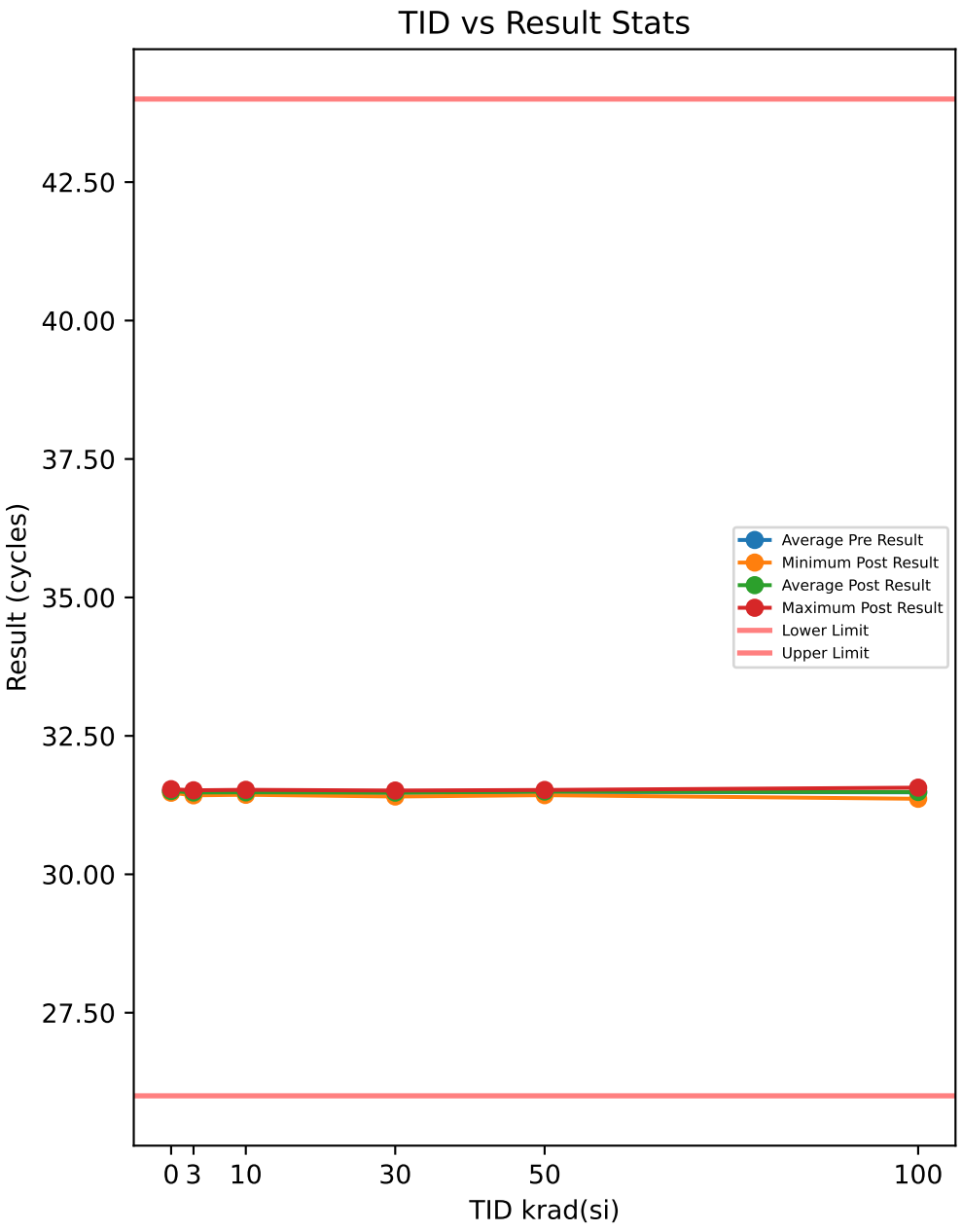
Test Results (Upper Limit = 100.0 (µs))

Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	LDR Biased	50.202	49.864	-0.3376
2	3	LDR Biased	55.268	55.396	0.1287
3	3	LDR Biased	54.975	55.186	0.2114
4	3	LDR Biased	56.563	56.328	-0.2344
5	3	LDR Biased	56.812	56.651	-0.1609
6	10	LDR Biased	52.789	52.838	0.0488
7	10	LDR Biased	55.424	55.715	0.2904
8	10	LDR Biased	57.382	57.826	0.4434
9	10	LDR Biased	56.836	57.044	0.2084
10	10	LDR Biased	56.011	56.213	0.2018
11	30	LDR Biased	54.85	55.495	0.6451
12	30	LDR Biased	53.273	53.852	0.5794
13	30	LDR Biased	52.177	52.624	0.4464
14	30	LDR Biased	56.386	56.84	0.4541
15	30	LDR Biased	55.267	55.95	0.6835
16	50	LDR Biased	53.255	53.923	0.6683
17	50	LDR Biased	56.598	57.763	1.1656
18	50	LDR Biased	50.978	51.501	0.5227
19	50	LDR Biased	53.472	54.138	0.6662
20	50	LDR Biased	52.758	53.528	0.7695
21	100	LDR Biased	51.871	53.492	1.6202
22	100	LDR Biased	54.703	56.867	2.1643
23	100	LDR Biased	55.069	56.508	1.4393
24	100	LDR Biased	54.862	56.762	1.9003
25	100	LDR Biased	51.87	53.24	1.3703
26	3	LDR Unbiased	54.673	54.511	-0.162
27	3	LDR Unbiased	58.549	58.591	0.0419
28	3	LDR Unbiased	60.96	60.752	-0.2086
29	3	LDR Unbiased	60.457	60.562	0.1047
30	3	LDR Unbiased	52.159	52.202	0.0429
31	10	LDR Unbiased	55.766	56.128	0.3613
32	10	LDR Unbiased	53.346	53.528	0.1823
33	10	LDR Unbiased	57.02	57.173	0.1534
34	10	LDR Unbiased	57.245	57.325	0.0795
35	10	LDR Unbiased	51.7	51.883	0.1835
36	30	LDR Unbiased	54.69	55.201	0.5103
37	30	LDR Unbiased	60.592	61.471	0.8789
38	30	LDR Unbiased	53.2	53.627	0.4269
39	30	LDR Unbiased	56.039	56.786	0.7468
40	30	LDR Unbiased	54.345	55.123	0.7787
41	50	LDR Unbiased	59.018	60.773	1.7555
42	50	LDR Unbiased	56.6	57.534	0.934
43	50	LDR Unbiased	52.259	53.27	1.0106
44	50	LDR Unbiased	50.829	51.654	0.825
45	50	LDR Unbiased	59.526	60.318	0.7919
46	100	LDR Unbiased	58.133	59.707	1.5746
47	100	LDR Unbiased	52.682	54.073	1.3916
48	100	LDR Unbiased	57.621	59.476	1.8551
49	100	LDR Unbiased	50.117	50.997	0.8806
50	100	LDR Unbiased	54.614	55.267	0.6524
60	0	Correlation	53.967	53.956	-0.0108
61	0	Correlation	49.117	49.106	-0.0114
62	0	Correlation	56.307	56.327	0.0197
63	0	Correlation	52.363	52.299	-0.0634
64	0	Correlation	52.972	52.949	-0.0231
65	0	Correlation	56.382	56.31	-0.0721

Test Statistics (µs)

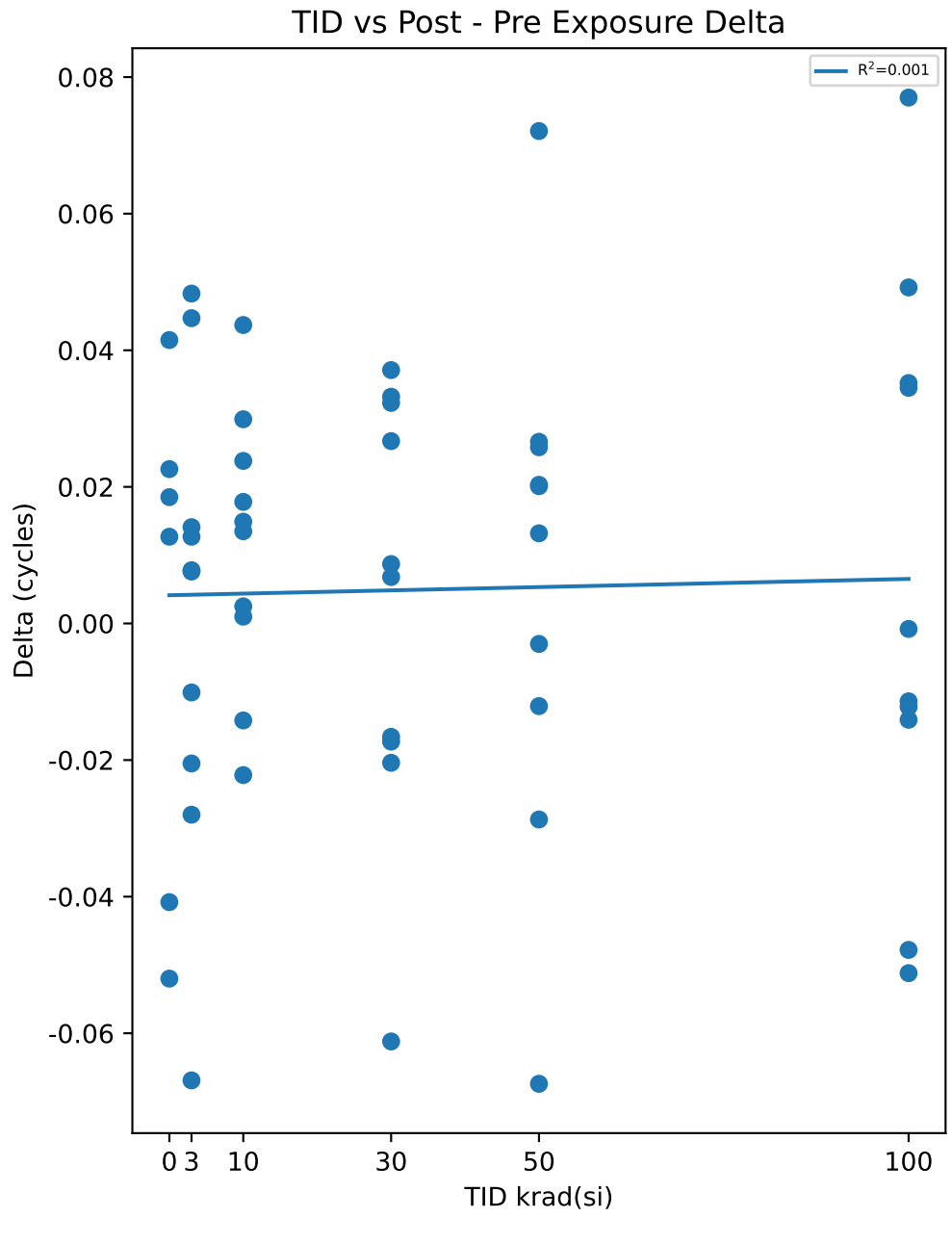
krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	49.117	53.518	56.382	2.727	49.106	53.491	56.327	2.7258	-0.0721	-0.02685	0.0197	0.034816
3	50.202	56.062	60.96	3.3932	49.864	56.004	60.752	3.431	-0.3376	-0.05739	0.2114	0.18482
10	51.7	55.352	57.382	2.034	51.883	55.567	57.826	2.0785	0.0488	0.21528	0.4434	0.12079
30	52.177	55.082	60.592	2.3337	52.624	55.697	61.471	2.4415	0.4269	0.61501	0.8789	0.15682
50	50.829	54.529	59.526	3.1801	51.501	55.44	60.773	3.4032	0.5227	0.91093	1.7555	0.34955
100	50.117	54.154	58.133	2.5517	50.997	55.639	59.707	2.775	0.6524	1.4849	2.1643	0.45701

Device Test: 24.114 _TIMING|DELAY/FAULT/12//511k//@T_FAULT_DELAY



Test Results (Lower Limit = 26.0, Upper Limit = 44.0 (cycles))

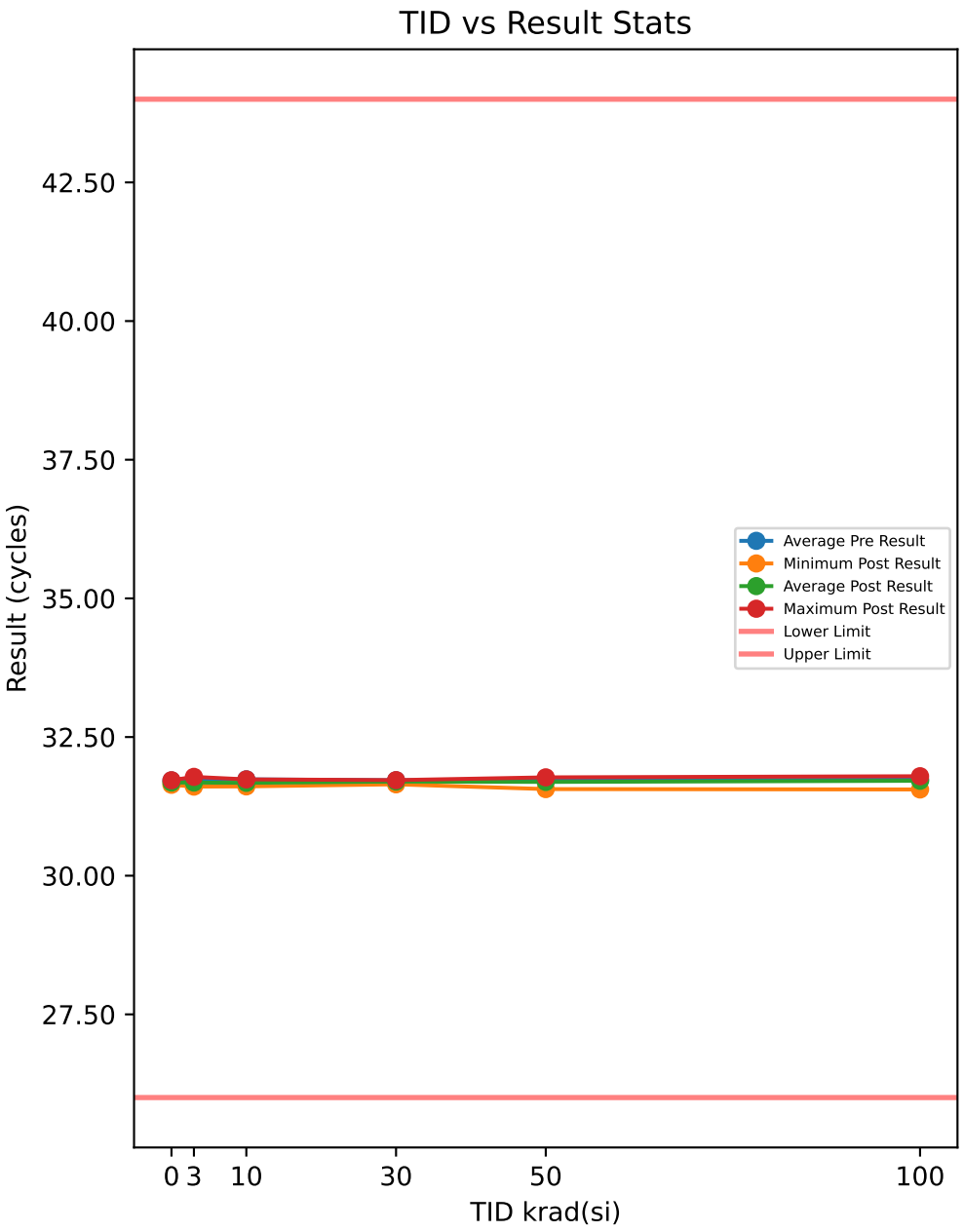
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	LDR Biased	31.465	31.513	0.0483
2	3	LDR Biased	31.464	31.478	0.0141
3	3	LDR Biased	31.493	31.427	-0.0669
4	3	LDR Biased	31.51	31.517	0.0076
5	3	LDR Biased	31.473	31.517	0.0447
6	10	LDR Biased	31.434	31.436	0.0025
7	10	LDR Biased	31.478	31.464	-0.0142
8	10	LDR Biased	31.467	31.497	0.0299
9	10	LDR Biased	31.489	31.502	0.0135
10	10	LDR Biased	31.478	31.502	0.0238
11	30	LDR Biased	31.482	31.462	-0.0204
12	30	LDR Biased	31.501	31.484	-0.0173
13	30	LDR Biased	31.471	31.504	0.0323
14	30	LDR Biased	31.506	31.513	0.0068
15	30	LDR Biased	31.477	31.461	-0.0166
16	50	LDR Biased	31.526	31.523	-0.003
17	50	LDR Biased	31.458	31.429	-0.0287
18	50	LDR Biased	31.483	31.497	0.0132
19	50	LDR Biased	31.528	31.46	-0.0674
20	50	LDR Biased	31.481	31.507	0.0266
21	100	LDR Biased	31.488	31.523	0.0352
22	100	LDR Biased	31.482	31.47	-0.0122
23	100	LDR Biased	31.488	31.565	0.077
24	100	LDR Biased	31.492	31.478	-0.0141
25	100	LDR Biased	31.449	31.448	-0.0008
26	3	LDR Unbiased	31.504	31.476	-0.028
27	3	LDR Unbiased	31.443	31.433	-0.0101
28	3	LDR Unbiased	31.467	31.474	0.0078
29	3	LDR Unbiased	31.46	31.472	0.0127
30	3	LDR Unbiased	31.489	31.468	-0.0205
31	10	LDR Unbiased	31.482	31.483	0.001
32	10	LDR Unbiased	31.455	31.47	0.0149
33	10	LDR Unbiased	31.444	31.488	0.0437
34	10	LDR Unbiased	31.462	31.44	-0.0222
35	10	LDR Unbiased	31.508	31.526	0.0178
36	30	LDR Unbiased	31.466	31.405	-0.0612
37	30	LDR Unbiased	31.451	31.488	0.0371
38	30	LDR Unbiased	31.454	31.488	0.0332
39	30	LDR Unbiased	31.448	31.457	0.0087
40	30	LDR Unbiased	31.467	31.493	0.0267
41	50	LDR Unbiased	31.495	31.521	0.0258
42	50	LDR Unbiased	31.451	31.523	0.0721
43	50	LDR Unbiased	31.471	31.492	0.0203
44	50	LDR Unbiased	31.494	31.515	0.0201
45	50	LDR Unbiased	31.495	31.483	-0.0121
46	100	LDR Unbiased	31.541	31.49	-0.0512
47	100	LDR Unbiased	31.438	31.426	-0.0114
48	100	LDR Unbiased	31.412	31.364	-0.0478
49	100	LDR Unbiased	31.506	31.555	0.0492
50	100	LDR Unbiased	31.51	31.545	0.0345
60	0	Correlation	31.514	31.473	-0.0408
61	0	Correlation	31.501	31.513	0.0127
62	0	Correlation	31.469	31.488	0.0185
63	0	Correlation	31.546	31.494	-0.052
64	0	Correlation	31.493	31.516	0.0226
65	0	Correlation	31.496	31.538	0.0415

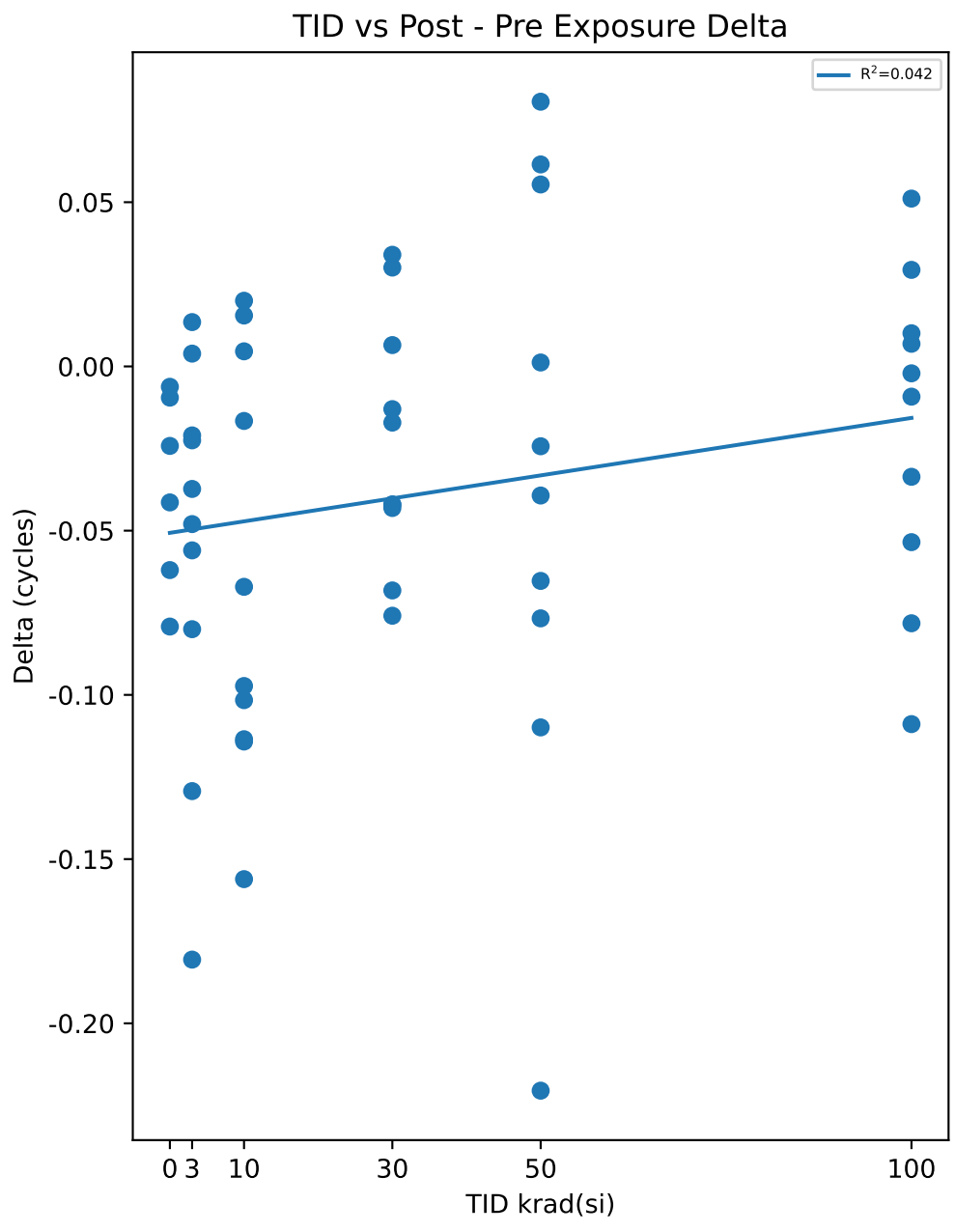


Test Statistics (cycles)

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	31.469	31.503	31.546	0.025415	31.473	31.504	31.538	0.023112	-0.052	0.00041667	0.0415	0.037694
3	31.443	31.477	31.51	0.021329	31.427	31.478	31.517	0.031907	-0.0669	0.00097	0.0483	0.03429
10	31.434	31.47	31.508	0.021998	31.436	31.481	31.526	0.028506	-0.0222	0.01107	0.0437	0.01991
30	31.448	31.472	31.506	0.019815	31.405	31.475	31.513	0.030876	-0.0612	0.00293	0.0371	0.031636
50	31.451	31.488	31.528	0.025375	31.429	31.495	31.523	0.030747	-0.0674	0.00669	0.0721	0.03747
100	31.412	31.481	31.541	0.038067	31.364	31.486	31.565	0.063396	-0.0512	0.00584	0.077	0.041929

Device Test: 24.116 _TIMING|DELAY/FAULT/12//90.9k//@T_FAULT_DELAY





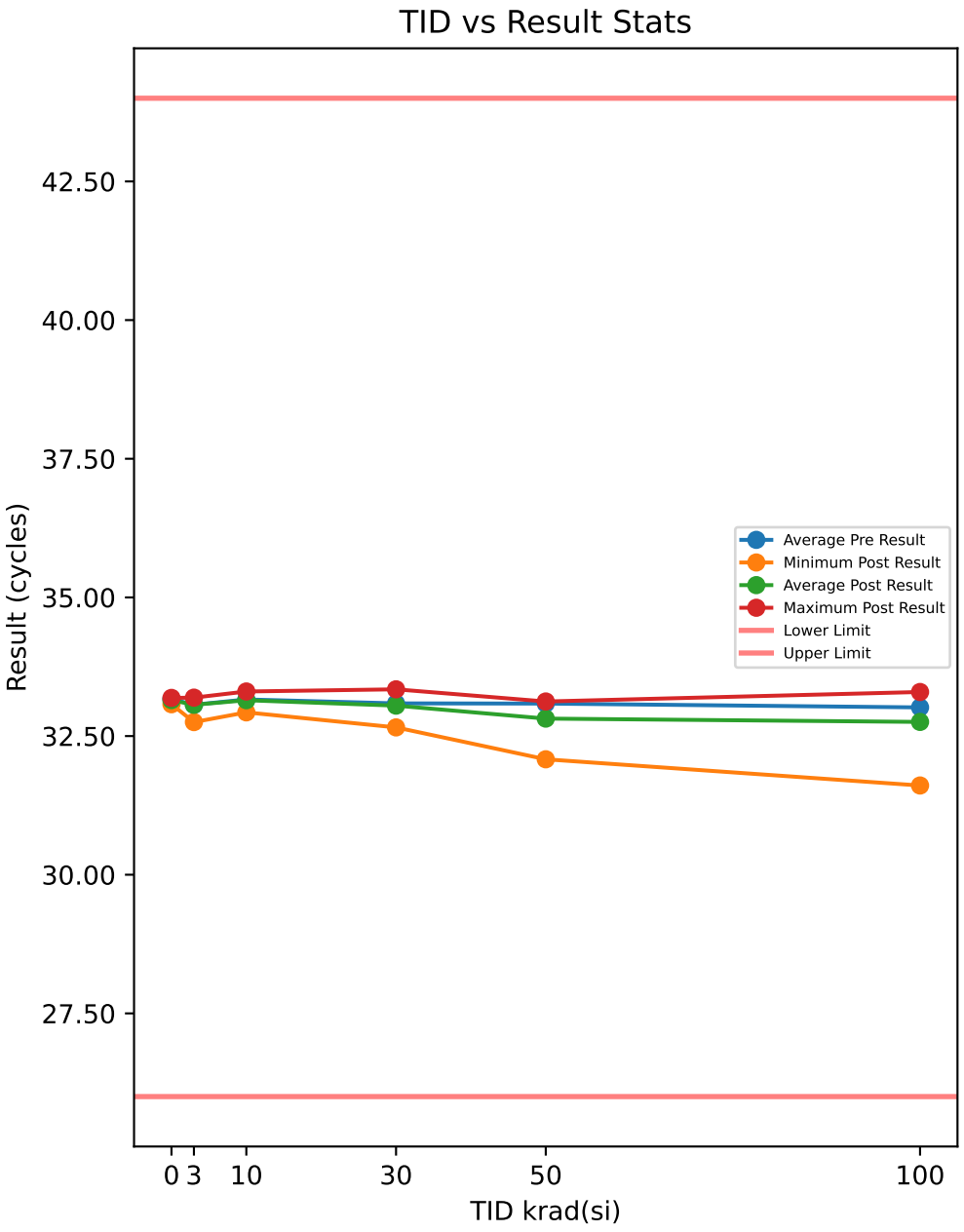
Test Results (Lower Limit = 26.0, Upper Limit = 44.0 (cycles))

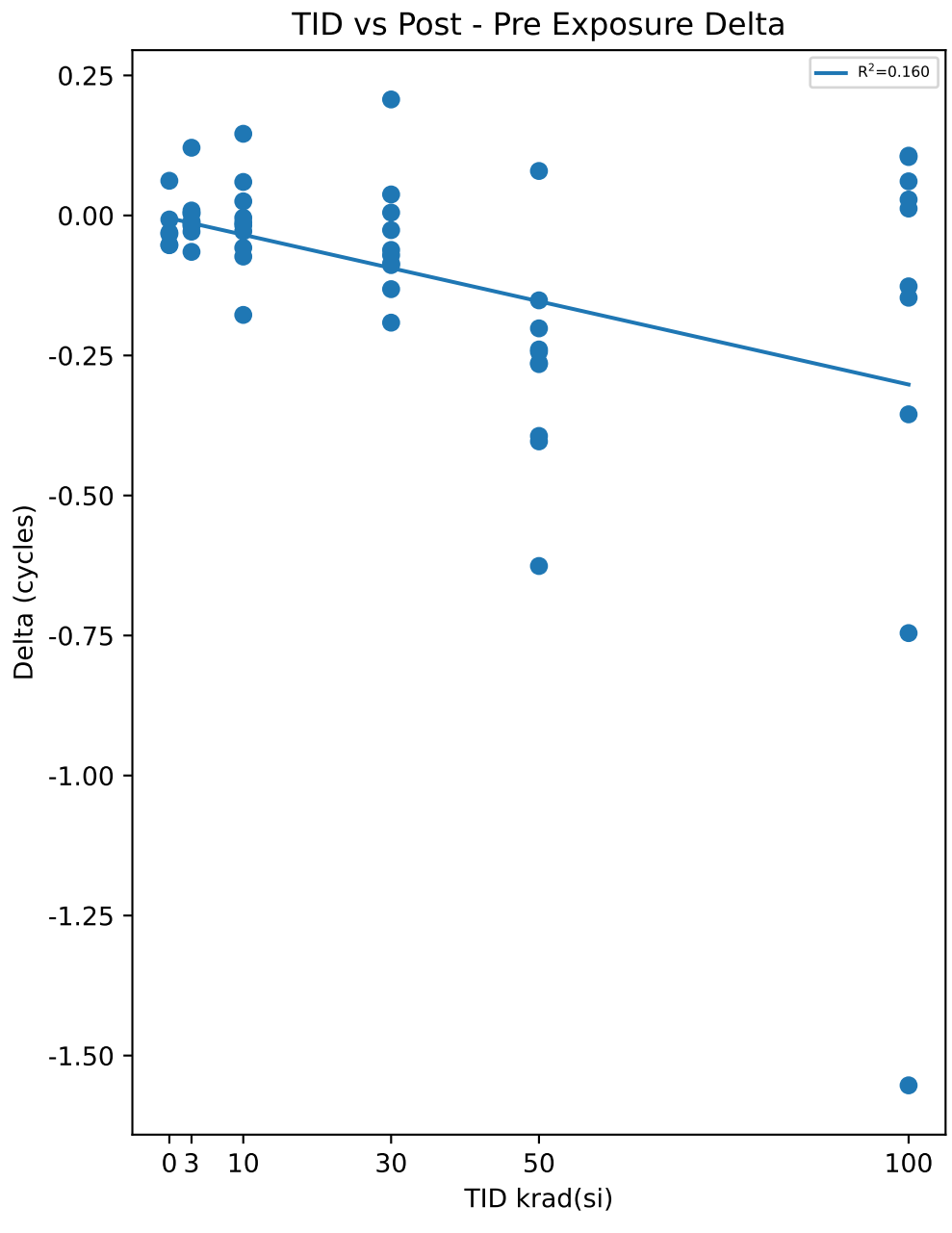
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	LDR Biased	31.706	31.72	0.0135
2	3	LDR Biased	31.734	31.712	-0.0225
3	3	LDR Biased	31.79	31.61	-0.1806
4	3	LDR Biased	31.736	31.607	-0.1293
5	3	LDR Biased	31.778	31.782	0.0039
6	10	LDR Biased	31.76	31.647	-0.1135
7	10	LDR Biased	31.771	31.674	-0.0973
8	10	LDR Biased	31.733	31.717	-0.0166
9	10	LDR Biased	31.649	31.669	0.02
10	10	LDR Biased	31.714	31.719	0.0046
11	30	LDR Biased	31.724	31.648	-0.0759
12	30	LDR Biased	31.695	31.682	-0.013
13	30	LDR Biased	31.782	31.713	-0.0682
14	30	LDR Biased	31.757	31.715	-0.042
15	30	LDR Biased	31.694	31.677	-0.0171
16	50	LDR Biased	31.702	31.764	0.0615
17	50	LDR Biased	31.748	31.724	-0.0243
18	50	LDR Biased	31.756	31.717	-0.0393
19	50	LDR Biased	31.648	31.729	0.0806
20	50	LDR Biased	31.718	31.773	0.0554
21	100	LDR Biased	31.746	31.744	-0.0021
22	100	LDR Biased	31.686	31.632	-0.0535
23	100	LDR Biased	31.783	31.794	0.0101
24	100	LDR Biased	31.716	31.745	0.0294
25	100	LDR Biased	31.697	31.748	0.0511
26	3	LDR Unbiased	31.72	31.664	-0.056
27	3	LDR Unbiased	31.704	31.624	-0.08
28	3	LDR Unbiased	31.712	31.664	-0.048
29	3	LDR Unbiased	31.758	31.737	-0.021
30	3	LDR Unbiased	31.708	31.671	-0.0373
31	10	LDR Unbiased	31.808	31.651	-0.1561
32	10	LDR Unbiased	31.712	31.61	-0.1016
33	10	LDR Unbiased	31.746	31.632	-0.1142
34	10	LDR Unbiased	31.754	31.687	-0.0671
35	10	LDR Unbiased	31.721	31.737	0.0155
36	30	LDR Unbiased	31.639	31.673	0.034
37	30	LDR Unbiased	31.693	31.723	0.0301
38	30	LDR Unbiased	31.752	31.709	-0.0431
39	30	LDR Unbiased	31.708	31.715	0.0065
40	30	LDR Unbiased	31.757	31.715	-0.0421
41	50	LDR Unbiased	31.722	31.657	-0.0653
42	50	LDR Unbiased	31.742	31.666	-0.0767
43	50	LDR Unbiased	31.688	31.689	0.0012
44	50	LDR Unbiased	31.74	31.63	-0.1099
45	50	LDR Unbiased	31.782	31.562	-0.2205
46	100	LDR Unbiased	31.755	31.721	-0.0336
47	100	LDR Unbiased	31.72	31.642	-0.0782
48	100	LDR Unbiased	31.664	31.555	-0.1089
49	100	LDR Unbiased	31.752	31.743	-0.0092
50	100	LDR Unbiased	31.784	31.791	0.0069
60	0	Correlation	31.746	31.721	-0.0242
61	0	Correlation	31.743	31.663	-0.0792
62	0	Correlation	31.696	31.689	-0.0062
63	0	Correlation	31.718	31.656	-0.062
64	0	Correlation	31.681	31.64	-0.0414
65	0	Correlation	31.718	31.709	-0.0095

Test Statistics (cycles)

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	31.681	31.717	31.746	0.025419	31.64	31.68	31.721	0.032029	-0.0792	-0.037083	-0.0062	0.029305
3	31.704	31.735	31.79	0.031065	31.607	31.679	31.782	0.058024	-0.1806	-0.05573	0.0135	0.060233
10	31.649	31.737	31.808	0.042441	31.61	31.674	31.737	0.04089	-0.1561	-0.06263	0.02	0.063504
30	31.639	31.72	31.782	0.042664	31.648	31.697	31.723	0.025221	-0.0759	-0.02308	0.034	0.038071
50	31.648	31.725	31.782	0.03824	31.562	31.691	31.773	0.064545	-0.2205	-0.03373	0.0806	0.091258
100	31.664	31.73	31.784	0.040654	31.555	31.711	31.794	0.076989	-0.1089	-0.0188	0.0511	0.049605

Device Test: 24.118 _TIMING|DELAY/FAULT/12//34.8k//@T_FAULT_DELAY





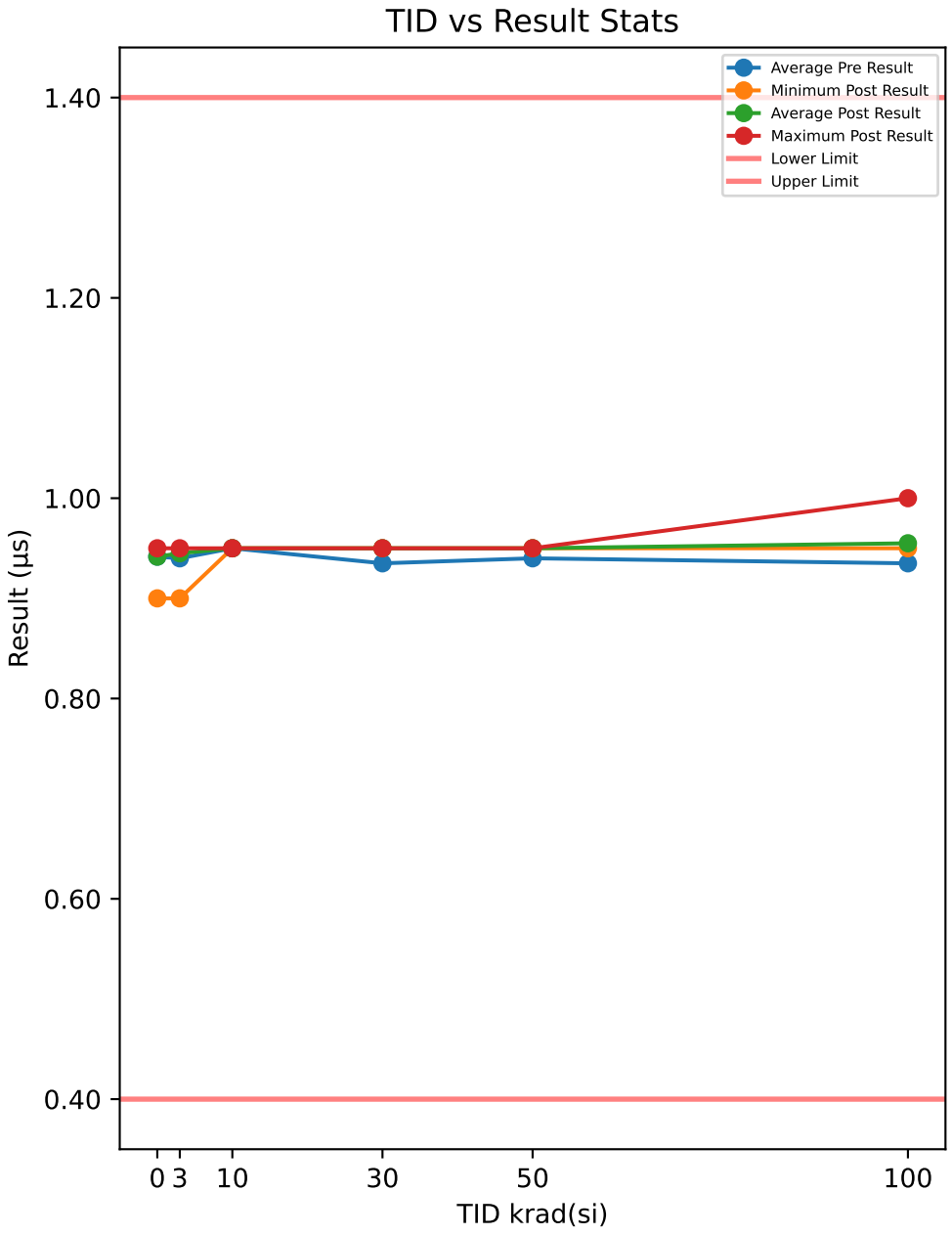
Test Results (Lower Limit = 26.0, Upper Limit = 44.0 (cycles))

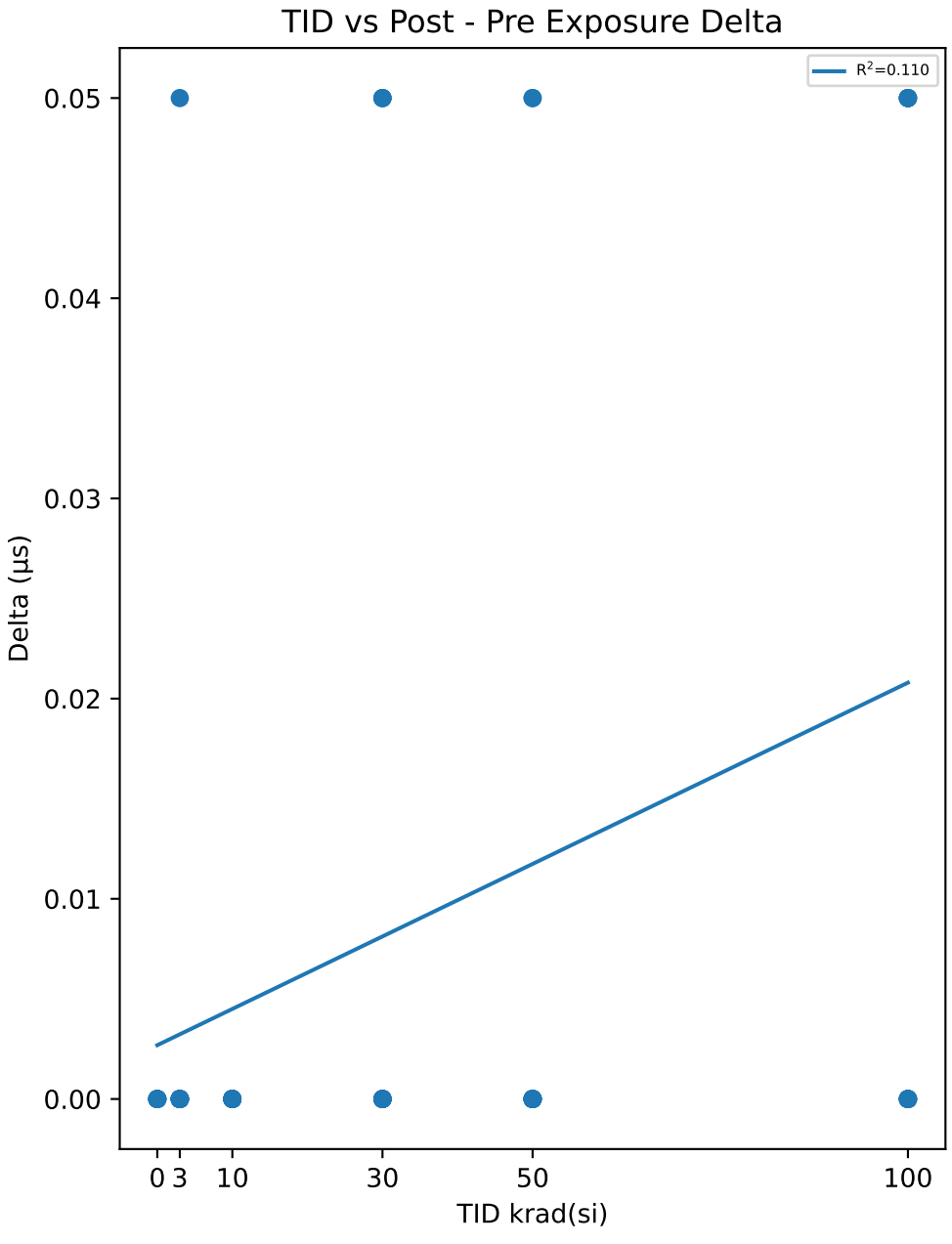
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	LDR Biased	32.764	32.752	-0.0126
2	3	LDR Biased	33.13	33.134	0.0042
3	3	LDR Biased	33.176	33.147	-0.0289
4	3	LDR Biased	33.184	33.193	0.0088
5	3	LDR Biased	33.123	33.126	0.0035
6	10	LDR Biased	33.158	33.141	-0.0177
7	10	LDR Biased	33.16	33.156	-0.0041
8	10	LDR Biased	33.192	33.179	-0.0127
9	10	LDR Biased	33.105	32.927	-0.1776
10	10	LDR Biased	33.151	33.176	0.0252
11	30	LDR Biased	33.173	33.178	0.0051
12	30	LDR Biased	33.086	33.015	-0.0709
13	30	LDR Biased	32.745	32.656	-0.0886
14	30	LDR Biased	33.136	33.343	0.2071
15	30	LDR Biased	33.118	32.986	-0.1316
16	50	LDR Biased	33.15	32.907	-0.2435
17	50	LDR Biased	33.212	33.011	-0.2016
18	50	LDR Biased	33.144	32.751	-0.3937
19	50	LDR Biased	33.15	32.884	-0.2654
20	50	LDR Biased	33.012	32.609	-0.4034
21	100	LDR Biased	33.133	32.778	-0.3551
22	100	LDR Biased	32.94	32.194	-0.7457
23	100	LDR Biased	33.188	33.294	0.1067
24	100	LDR Biased	33.098	33.111	0.0123
25	100	LDR Biased	33.084	33.188	0.1043
26	3	LDR Unbiased	32.848	32.968	0.1209
27	3	LDR Unbiased	33.103	33.038	-0.065
28	3	LDR Unbiased	33.196	33.177	-0.0188
29	3	LDR Unbiased	33.059	33.042	-0.0164
30	3	LDR Unbiased	33.066	33.056	-0.0104
31	10	LDR Unbiased	33.183	33.243	0.0598
32	10	LDR Unbiased	33.158	33.304	0.1458
33	10	LDR Unbiased	33.127	33.069	-0.0577
34	10	LDR Unbiased	33.197	33.168	-0.0283
35	10	LDR Unbiased	33.171	33.097	-0.0734
36	30	LDR Unbiased	33.072	33.01	-0.0616
37	30	LDR Unbiased	33.14	32.949	-0.1914
38	30	LDR Unbiased	33.13	33.168	0.0375
39	30	LDR Unbiased	33.128	33.043	-0.0857
40	30	LDR Unbiased	33.166	33.14	-0.0262
41	50	LDR Unbiased	33.178	32.938	-0.2393
42	50	LDR Unbiased	33.088	32.936	-0.1516
43	50	LDR Unbiased	33.173	32.91	-0.2634
44	50	LDR Unbiased	32.707	32.081	-0.6259
45	50	LDR Unbiased	33.044	33.123	0.0794
46	100	LDR Unbiased	33.144	33.204	0.0609
47	100	LDR Unbiased	33.135	33.008	-0.1266
48	100	LDR Unbiased	33.145	32.998	-0.1469
49	100	LDR Unbiased	33.162	31.609	-1.5532
50	100	LDR Unbiased	32.139	32.167	0.0284
60	0	Correlation	33.126	33.074	-0.0526
61	0	Correlation	33.211	33.158	-0.0531
62	0	Correlation	33.123	33.185	0.0619
63	0	Correlation	33.156	33.149	-0.0072
64	0	Correlation	33.221	33.188	-0.0331
65	0	Correlation	33.169	33.138	-0.0306

Test Statistics (cycles)

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	33.123	33.168	33.221	0.041396	33.074	33.149	33.188	0.041588	-0.0531	-0.019117	0.0619	0.043149
3	32.764	33.065	33.196	0.14533	32.752	33.063	33.193	0.13028	-0.065	-0.00147	0.1209	0.047903
10	33.105	33.16	33.197	0.028283	32.927	33.146	33.304	0.1016	-0.1776	-0.01407	0.1458	0.08501
30	32.745	33.089	33.173	0.12502	32.656	33.049	33.343	0.18146	-0.1914	-0.04063	0.2071	0.10877
50	32.707	33.086	33.212	0.1469	32.081	32.815	33.123	0.29257	-0.6259	-0.27084	0.0794	0.18326
100	32.139	33.017	33.188	0.31599	31.609	32.755	33.294	0.56822	-1.5532	-0.26149	0.1067	0.52444

Device Test: 24.119 _TIMING|MINON/FAULT/12//511k//@T_FAULT_MIN





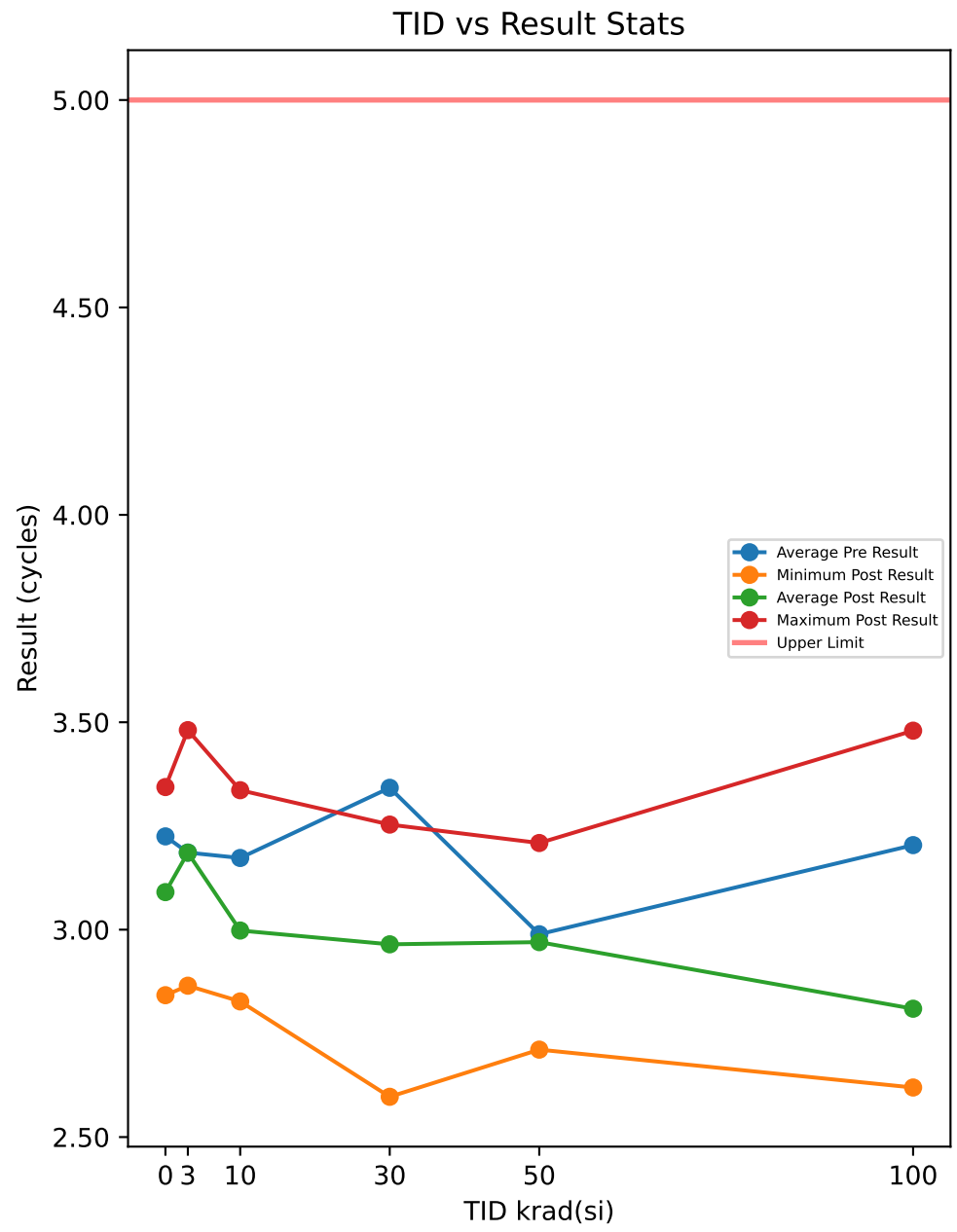
Test Results (Lower Limit = 0.4, Upper Limit = 1.4 (µs))

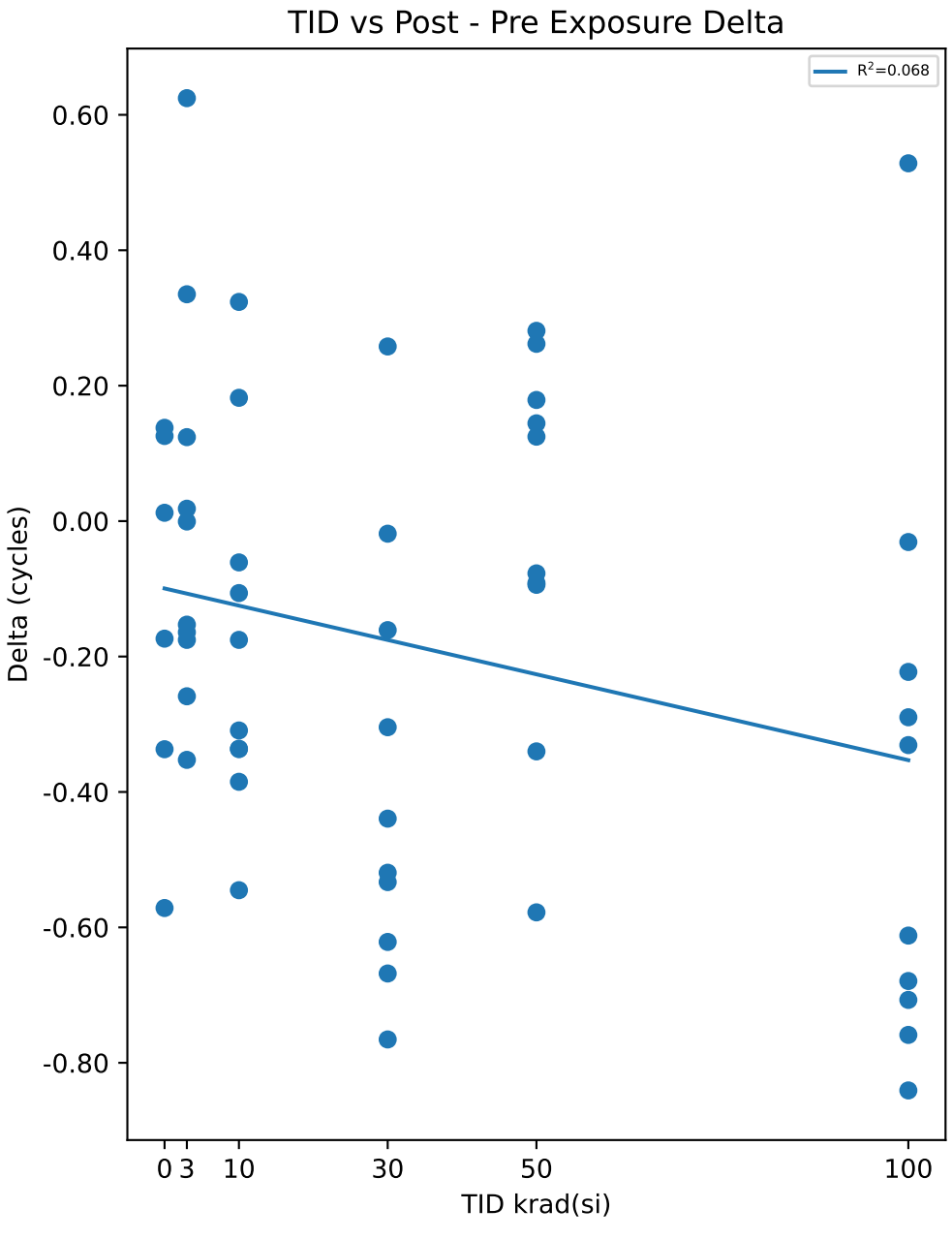
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	LDR Biased	0.95	0.95	0
2	3	LDR Biased	0.95	0.95	0
3	3	LDR Biased	0.95	0.95	0
4	3	LDR Biased	0.95	0.95	0
5	3	LDR Biased	0.9	0.9	0
6	10	LDR Biased	0.95	0.95	0
7	10	LDR Biased	0.95	0.95	0
8	10	LDR Biased	0.95	0.95	0
9	10	LDR Biased	0.95	0.95	0
10	10	LDR Biased	0.95	0.95	0
11	30	LDR Biased	0.95	0.95	0
12	30	LDR Biased	0.95	0.95	0
13	30	LDR Biased	0.9	0.95	0.05
14	30	LDR Biased	0.95	0.95	0
15	30	LDR Biased	0.9	0.95	0.05
16	50	LDR Biased	0.95	0.95	0
17	50	LDR Biased	0.95	0.95	0
18	50	LDR Biased	0.95	0.95	0
19	50	LDR Biased	0.95	0.95	0
20	50	LDR Biased	0.9	0.95	0.05
21	100	LDR Biased	0.95	0.95	0
22	100	LDR Biased	0.95	0.95	0
23	100	LDR Biased	0.9	0.95	0.05
24	100	LDR Biased	0.95	0.95	0
25	100	LDR Biased	0.95	0.95	0
26	3	LDR Unbiased	0.9	0.95	0.05
27	3	LDR Unbiased	0.95	0.95	0
28	3	LDR Unbiased	0.95	0.95	0
29	3	LDR Unbiased	0.95	0.95	0
30	3	LDR Unbiased	0.95	0.95	0
31	10	LDR Unbiased	0.95	0.95	0
32	10	LDR Unbiased	0.95	0.95	0
33	10	LDR Unbiased	0.95	0.95	0
34	10	LDR Unbiased	0.95	0.95	0
35	10	LDR Unbiased	0.95	0.95	0
36	30	LDR Unbiased	0.95	0.95	0
37	30	LDR Unbiased	0.9	0.95	0.05
38	30	LDR Unbiased	0.95	0.95	0
39	30	LDR Unbiased	0.95	0.95	0
40	30	LDR Unbiased	0.95	0.95	0
41	50	LDR Unbiased	0.95	0.95	0
42	50	LDR Unbiased	0.95	0.95	0
43	50	LDR Unbiased	0.95	0.95	0
44	50	LDR Unbiased	0.9	0.95	0.05
45	50	LDR Unbiased	0.95	0.95	0
46	100	LDR Unbiased	0.95	0.95	0
47	100	LDR Unbiased	0.95	1	0.05
48	100	LDR Unbiased	0.9	0.95	0.05
49	100	LDR Unbiased	0.95	0.95	0
50	100	LDR Unbiased	0.9	0.95	0.05
60	0	Correlation	0.9	0.9	0
61	0	Correlation	0.95	0.95	0
62	0	Correlation	0.95	0.95	0
63	0	Correlation	0.95	0.95	0
64	0	Correlation	0.95	0.95	0
65	0	Correlation	0.95	0.95	0

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	0.9	0.94167	0.95	0.020412	0.9	0.94167	0.95	0.020412	0	0	0	0
3	0.9	0.94	0.95	0.021082	0.9	0.945	0.95	0.015811	0	0.005	0.05	0.015811
10	0.95	0.95	0.95	0	0.95	0.95	0.95	0	0	0	0	0
30	0.9	0.935	0.95	0.024152	0.95	0.95	0.95	0	0	0.015	0.05	0.024152
50	0.9	0.94	0.95	0.021082	0.95	0.95	0.95	0	0	0.01	0.05	0.021082
100	0.9	0.935	0.95	0.024152	0.95	0.955	1	0.015811	0	0.02	0.05	0.02582

Device Test: 24.12 _TIMING|CLKDETECT/SYNC1/4.5//511k//@T_CLOCK_DET





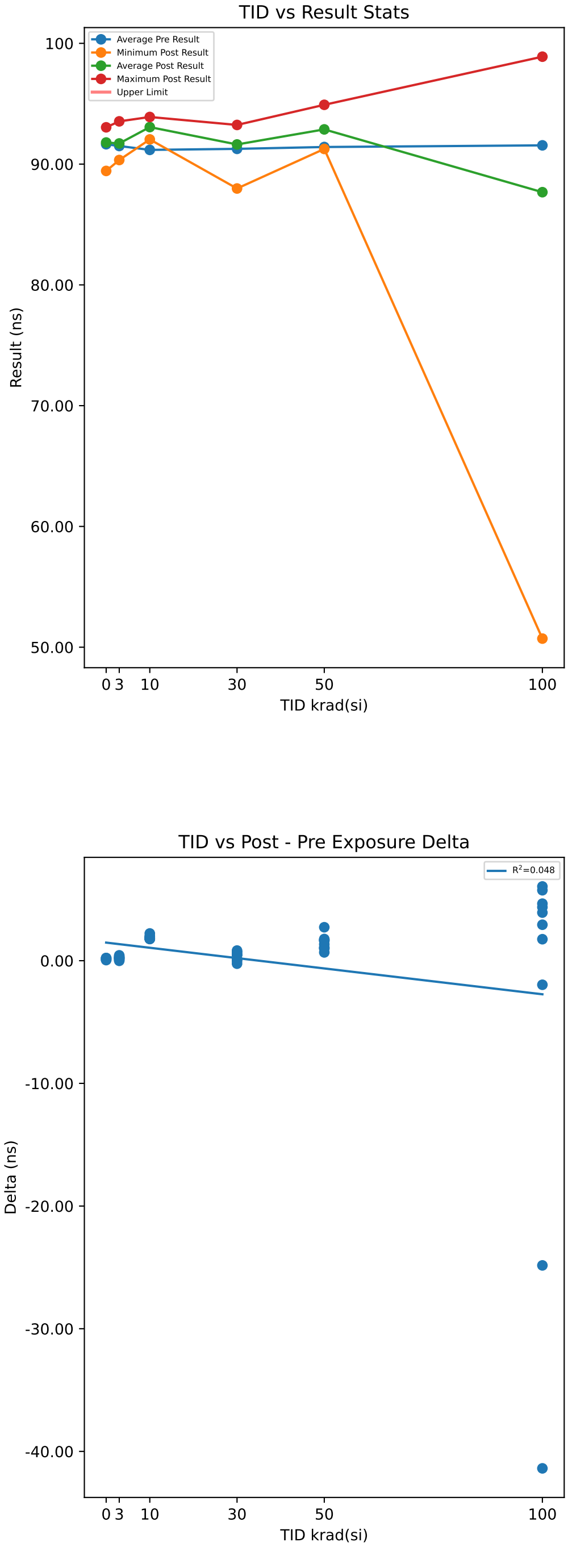
Test Results (Upper Limit = 5.0 (cycles))

Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	LDR Biased	3.3298	3.1544	-0.1754
2	3	LDR Biased	3.4823	3.1297	-0.3526
3	3	LDR Biased	3.5753	3.4224	-0.1529
4	3	LDR Biased	2.7195	3.3441	0.6246
5	3	LDR Biased	3.1236	2.8649	-0.2587
6	10	LDR Biased	3.2828	2.8978	-0.385
7	10	LDR Biased	3.3737	2.8286	-0.5451
8	10	LDR Biased	2.7095	2.8916	0.1821
9	10	LDR Biased	2.7197	3.0434	0.3237
10	10	LDR Biased	3.1637	2.827	-0.3367
11	30	LDR Biased	3.5293	2.8612	-0.6681
12	30	LDR Biased	2.9317	2.7707	-0.161
13	30	LDR Biased	3.5577	3.2533	-0.3044
14	30	LDR Biased	3.5692	2.9477	-0.6215
15	30	LDR Biased	3.06	3.0414	-0.0186
16	50	LDR Biased	3.1244	3.0303	-0.0941
17	50	LDR Biased	2.9437	3.0684	0.1247
18	50	LDR Biased	2.8511	2.7739	-0.0772
19	50	LDR Biased	2.6952	2.957	0.2618
20	50	LDR Biased	2.9044	3.0488	0.1444
21	100	LDR Biased	3.0635	2.8408	-0.2227
22	100	LDR Biased	3.2316	2.6195	-0.6121
23	100	LDR Biased	3.4358	2.7566	-0.6792
24	100	LDR Biased	3.1055	2.8158	-0.2897
25	100	LDR Biased	3.5081	2.6673	-0.8408
26	3	LDR Unbiased	3.0342	2.87	-0.1642
27	3	LDR Unbiased	3.4627	3.481	0.0183
28	3	LDR Unbiased	3.4712	3.4706	-0.0006
29	3	LDR Unbiased	2.815	2.939	0.124
30	3	LDR Unbiased	2.8448	3.1798	0.335
31	10	LDR Unbiased	3.4425	3.3362	-0.1063
32	10	LDR Unbiased	3.1019	3.0409	-0.061
33	10	LDR Unbiased	3.3654	3.19	-0.1754
34	10	LDR Unbiased	3.2774	2.9412	-0.3362
35	10	LDR Unbiased	3.2916	2.9824	-0.3092
36	30	LDR Unbiased	3.4965	2.9772	-0.5193
37	30	LDR Unbiased	3.5159	2.9828	-0.5331
38	30	LDR Unbiased	3.4316	2.9922	-0.4394
39	30	LDR Unbiased	3.3626	2.5971	-0.7655
40	30	LDR Unbiased	2.9654	3.2233	0.2579
41	50	LDR Unbiased	3.03	3.2089	0.1789
42	50	LDR Unbiased	3.2133	2.8732	-0.3401
43	50	LDR Unbiased	2.8311	3.1121	0.281
44	50	LDR Unbiased	3.0074	2.9161	-0.0913
45	50	LDR Unbiased	3.2886	2.7108	-0.5778
46	100	LDR Unbiased	2.6596	2.6287	-0.0309
47	100	LDR Unbiased	2.9513	3.4797	0.5284
48	100	LDR Unbiased	3.4548	2.7477	-0.7071
49	100	LDR Unbiased	3.0822	2.7514	-0.3308
50	100	LDR Unbiased	3.5456	2.7868	-0.7588
60	0	Correlation	3.4955	2.9241	-0.5714
61	0	Correlation	3.0752	3.2009	0.1257
62	0	Correlation	3.0712	3.209	0.1378
63	0	Correlation	2.8297	2.842	0.0123
64	0	Correlation	3.5174	3.3438	-0.1736
65	0	Correlation	3.3601	3.0232	-0.3369

Test Statistics (cycles)

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	2.8297	3.2248	3.5174	0.27542	2.842	3.0905	3.3438	0.19202	-0.5714	-0.13435	0.1378	0.2817
3	2.7195	3.1858	3.5753	0.31912	2.8649	3.1856	3.481	0.23969	-0.3526	-0.00025	0.6246	0.29635
10	2.7095	3.1728	3.4425	0.26085	2.827	2.9979	3.3362	0.16259	-0.5451	-0.17491	0.3237	0.26774
30	2.9317	3.342	3.5692	0.25506	2.5971	2.9647	3.2533	0.19467	-0.7655	-0.3773	0.2579	0.32101
50	2.6952	2.9889	3.2886	0.18254	2.7108	2.9699	3.2089	0.15452	-0.5778	-0.01897	0.281	0.27588
100	2.6596	3.2038	3.5456	0.28501	2.6195	2.8094	3.4797	0.24714	-0.8408	-0.39437	0.5284	0.41986

Device Test: 24.120 _TIMING|DELAY/SW/12//511k//@T_DEAD



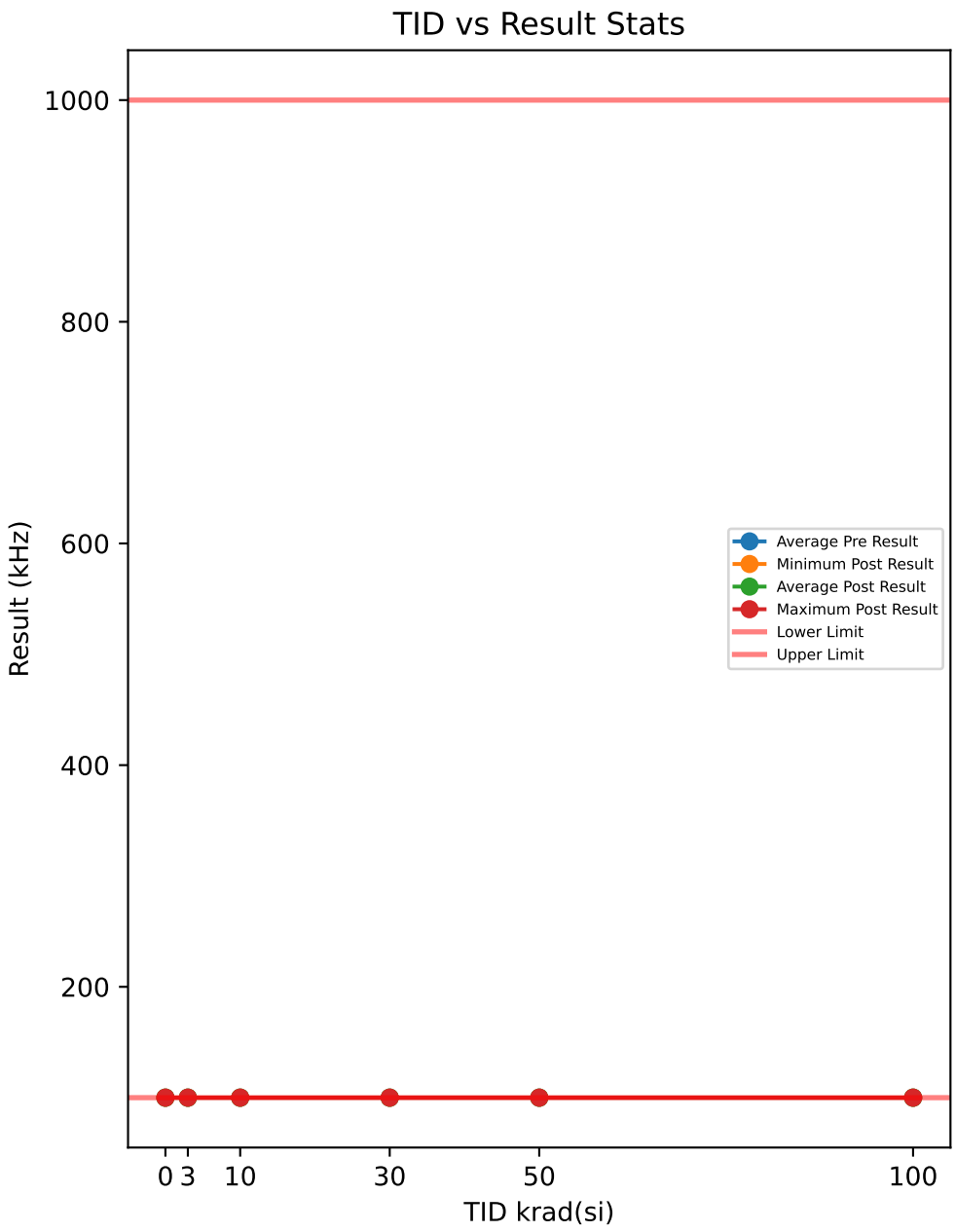
Test Results (No Limits Specified (ns))

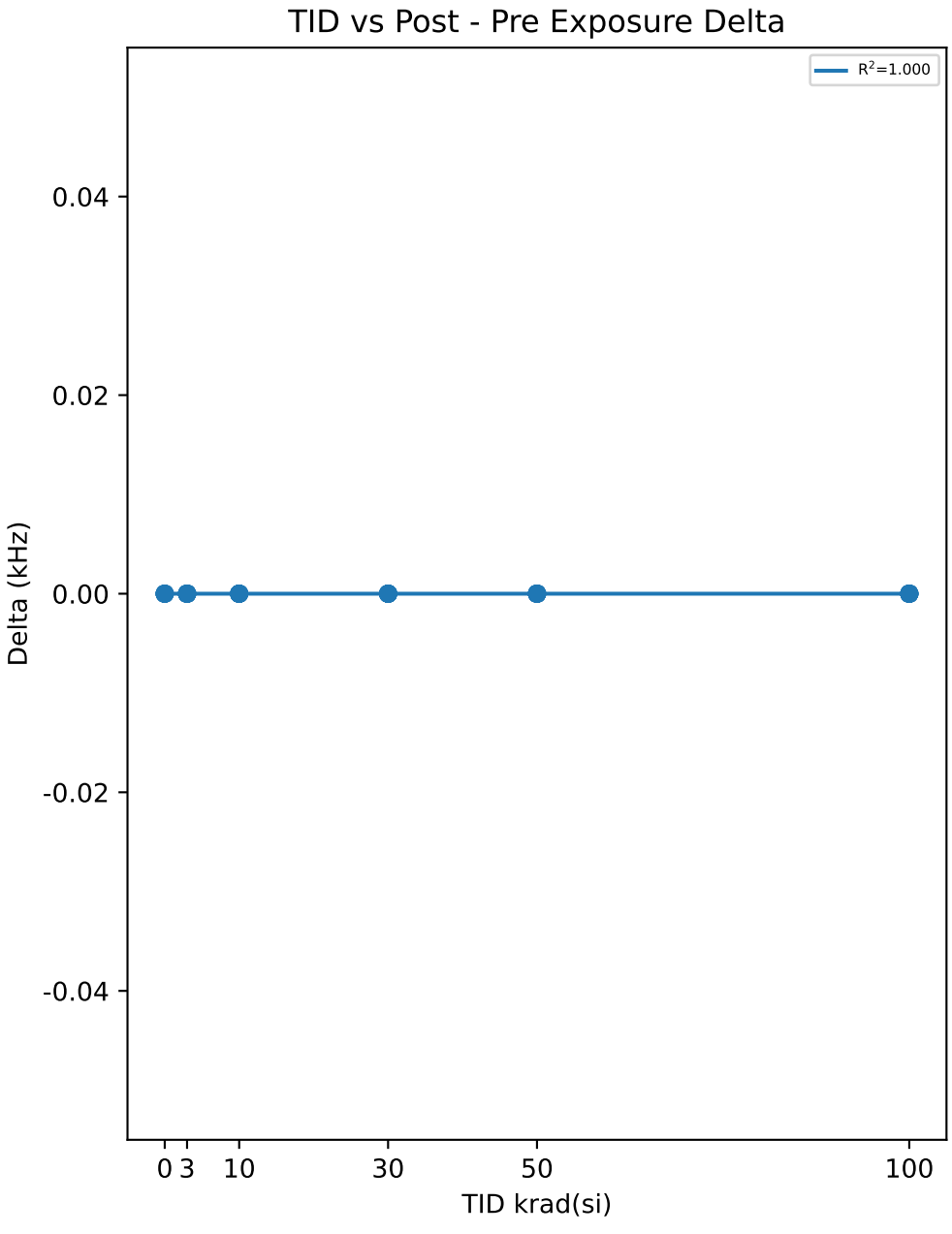
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	LDR Biased	93.222	93.54	0.3184
2	3	LDR Biased	91.757	91.82	0.0627
3	3	LDR Biased	91.376	91.58	0.2041
4	3	LDR Biased	91.337	91.326	-0.0108
5	3	LDR Biased	92.341	92.538	0.1975
6	10	LDR Biased	90.819	92.781	1.9616
7	10	LDR Biased	91.478	93.259	1.7807
8	10	LDR Biased	91.362	93.249	1.8876
9	10	LDR Biased	91.49	93.274	1.7844
10	10	LDR Biased	91.012	92.779	1.7676
11	30	LDR Biased	90.918	90.886	-0.0323
12	30	LDR Biased	91.862	92.344	0.4826
13	30	LDR Biased	92.402	93.093	0.6917
14	30	LDR Biased	92.416	93.243	0.8278
15	30	LDR Biased	92.219	92.932	0.7136
16	50	LDR Biased	92.183	94.91	2.7269
17	50	LDR Biased	90.966	92.298	1.3322
18	50	LDR Biased	89.611	91.304	1.6932
19	50	LDR Biased	90.919	92.687	1.7683
20	50	LDR Biased	91.504	93.115	1.6109
21	100	LDR Biased	91.606	95.965	4.3592
22	100	LDR Biased	90.356	65.518	-24.838
23	100	LDR Biased	92.843	98.895	6.0523
24	100	LDR Biased	91.633	95.554	3.9211
25	100	LDR Biased	91.173	94.104	2.9313
26	3	LDR Unbiased	91.496	91.933	0.4375
27	3	LDR Unbiased	90.461	90.566	0.1049
28	3	LDR Unbiased	91.444	91.792	0.3486
29	3	LDR Unbiased	90.122	90.34	0.2172
30	3	LDR Unbiased	91.443	91.678	0.2355
31	10	LDR Unbiased	91.779	93.614	1.8355
32	10	LDR Unbiased	91.546	93.332	1.7858
33	10	LDR Unbiased	90.195	92.046	1.851
34	10	LDR Unbiased	90.417	92.413	1.9957
35	10	LDR Unbiased	91.681	93.903	2.2215
36	30	LDR Unbiased	88.226	87.981	-0.2446
37	30	LDR Unbiased	91.299	91.467	0.1681
38	30	LDR Unbiased	90.648	91.112	0.4644
39	30	LDR Unbiased	91.371	91.857	0.4861
40	30	LDR Unbiased	91.27	91.362	0.0917
41	50	LDR Unbiased	92.562	94.233	1.6714
42	50	LDR Unbiased	92.065	93.055	0.9897
43	50	LDR Unbiased	90.581	91.256	0.6755
44	50	LDR Unbiased	92.343	93.371	1.0276
45	50	LDR Unbiased	91.43	92.521	1.091
46	100	LDR Unbiased	92.095	50.713	-41.382
47	100	LDR Unbiased	90.821	92.573	1.7519
48	100	LDR Unbiased	89.245	87.283	-1.9625
49	100	LDR Unbiased	93.025	98.767	5.7424
50	100	LDR Unbiased	92.735	97.385	4.6501
60	0	Correlation	92.953	93.047	0.0943
61	0	Correlation	91.179	91.258	0.0787
62	0	Correlation	89.388	89.436	0.0482
63	0	Correlation	92.324	92.536	0.2126
64	0	Correlation	91.493	91.702	0.2085
65	0	Correlation	92.538	92.757	0.219

Test Statistics (ns)

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	89.388	91.646	92.953	1.2887	89.436	91.789	93.047	1.3345	0.0482	0.14355	0.219	0.077977
3	90.122	91.5	93.222	0.86699	90.34	91.711	93.54	0.91032	-0.0108	0.21156	0.4375	0.13543
10	90.195	91.178	91.779	0.54481	92.046	93.065	93.903	0.55926	1.7676	1.8871	2.2215	0.14124
30	88.226	91.263	92.416	1.2308	87.981	91.628	93.243	1.5361	-0.2446	0.36491	0.8278	0.35335
50	89.611	91.416	92.562	0.91877	91.256	92.875	94.91	1.1501	0.6755	1.4587	2.7269	0.57716
100	89.245	91.553	93.025	1.2004	50.713	87.676	98.895	16.318	-41.382	-3.8774	6.0523	16.056

Device Test: 24.121 _FREQ|100kHz/SYNC1/14//OPEN//@SYNC_FREQ_RANGE





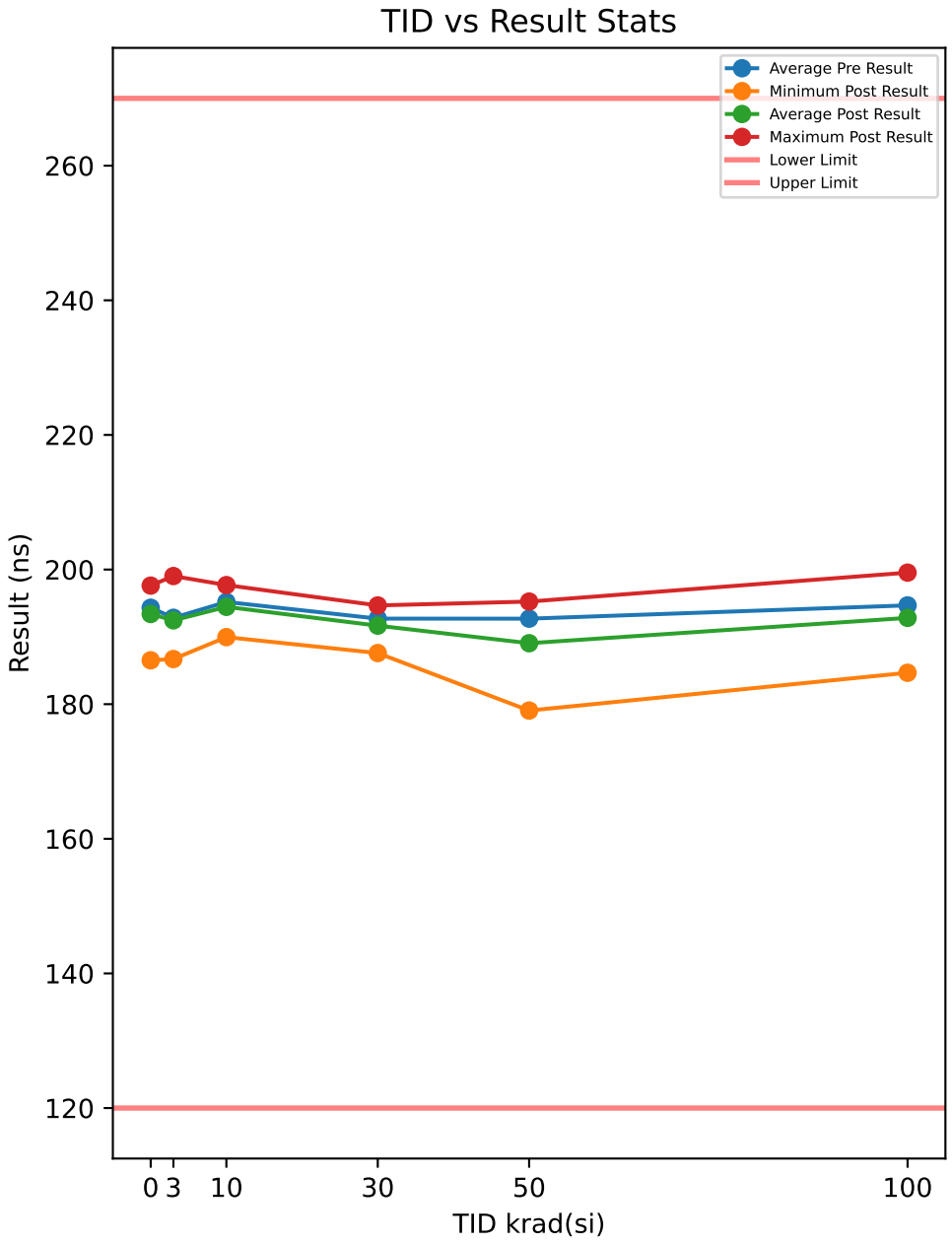
Test Results (Lower Limit = 100.0, Upper Limit = 1000.0 (kHz))

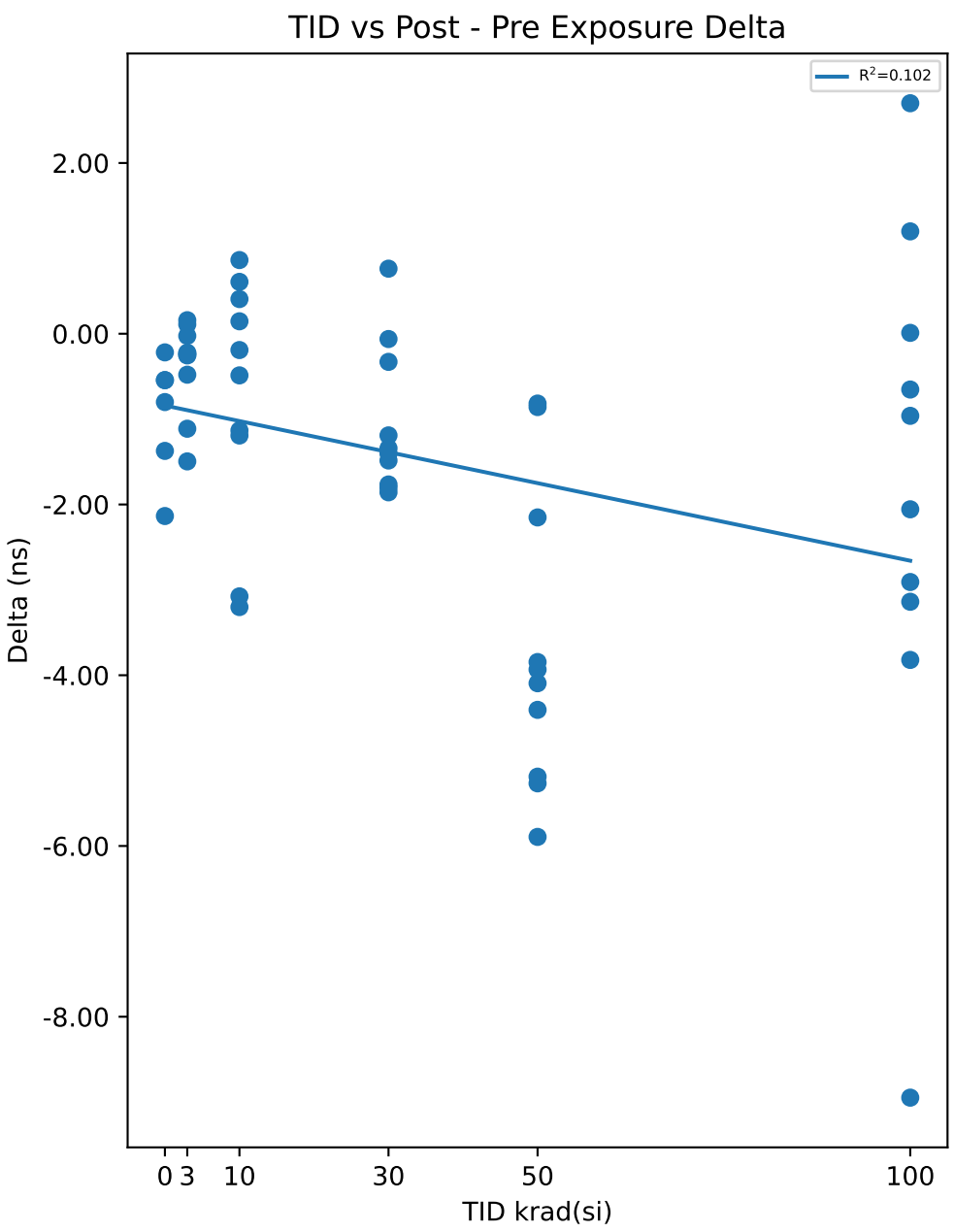
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	LDR Biased	100	100	0
2	3	LDR Biased	100	100	0
3	3	LDR Biased	100	100	0
4	3	LDR Biased	100	100	0
5	3	LDR Biased	100	100	0
6	10	LDR Biased	100	100	0
7	10	LDR Biased	100	100	0
8	10	LDR Biased	100	100	0
9	10	LDR Biased	100	100	0
10	10	LDR Biased	100	100	0
11	30	LDR Biased	100	100	0
12	30	LDR Biased	100	100	0
13	30	LDR Biased	100	100	0
14	30	LDR Biased	100	100	0
15	30	LDR Biased	100	100	0
16	50	LDR Biased	100	100	0
17	50	LDR Biased	100	100	0
18	50	LDR Biased	100	100	0
19	50	LDR Biased	100	100	0
20	50	LDR Biased	100	100	0
21	100	LDR Biased	100	100	0
22	100	LDR Biased	100	100	0
23	100	LDR Biased	100	100	0
24	100	LDR Biased	100	100	0
25	100	LDR Biased	100	100	0
26	3	LDR Unbiased	100	100	0
27	3	LDR Unbiased	100	100	0
28	3	LDR Unbiased	100	100	0
29	3	LDR Unbiased	100	100	0
30	3	LDR Unbiased	100	100	0
31	10	LDR Unbiased	100	100	0
32	10	LDR Unbiased	100	100	0
33	10	LDR Unbiased	100	100	0
34	10	LDR Unbiased	100	100	0
35	10	LDR Unbiased	100	100	0
36	30	LDR Unbiased	100	100	0
37	30	LDR Unbiased	100	100	0
38	30	LDR Unbiased	100	100	0
39	30	LDR Unbiased	100	100	0
40	30	LDR Unbiased	100	100	0
41	50	LDR Unbiased	100	100	0
42	50	LDR Unbiased	100	100	0
43	50	LDR Unbiased	100	100	0
44	50	LDR Unbiased	100	100	0
45	50	LDR Unbiased	100	100	0
46	100	LDR Unbiased	100	100	0
47	100	LDR Unbiased	100	100	0
48	100	LDR Unbiased	100	100	0
49	100	LDR Unbiased	100	100	0
50	100	LDR Unbiased	100	100	0
60	0	Correlation	100	100	0
61	0	Correlation	100	100	0
62	0	Correlation	100	100	0
63	0	Correlation	100	100	0
64	0	Correlation	100	100	0
65	0	Correlation	100	100	0

Test Statistics (kHz)

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

Device Test: 24.122 _TIMING|DELAY/SYNC1/14//OPEN//@SYNC1_SW_DELAY





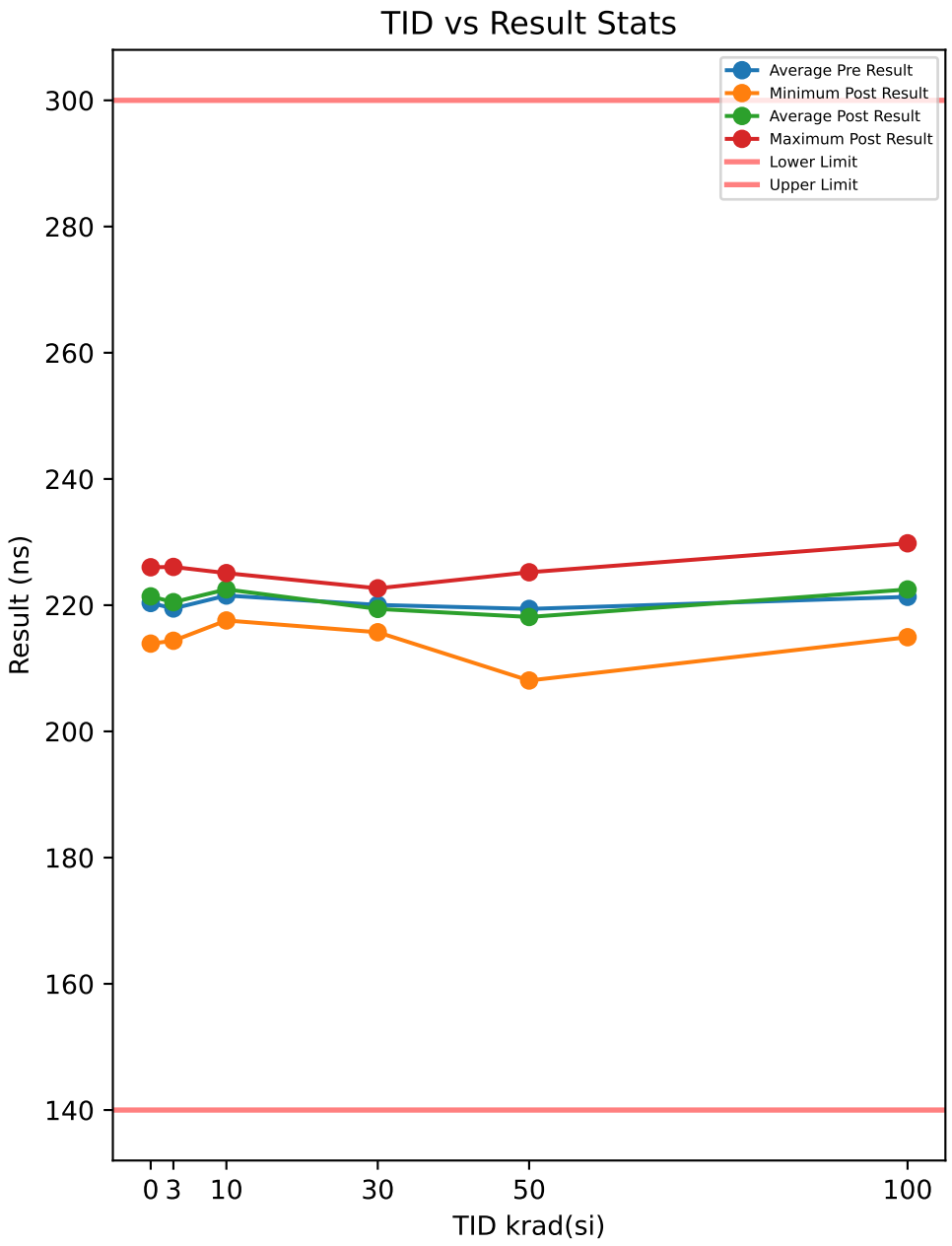
Test Results (Lower Limit = 120.0, Upper Limit = 270.0 (ns))

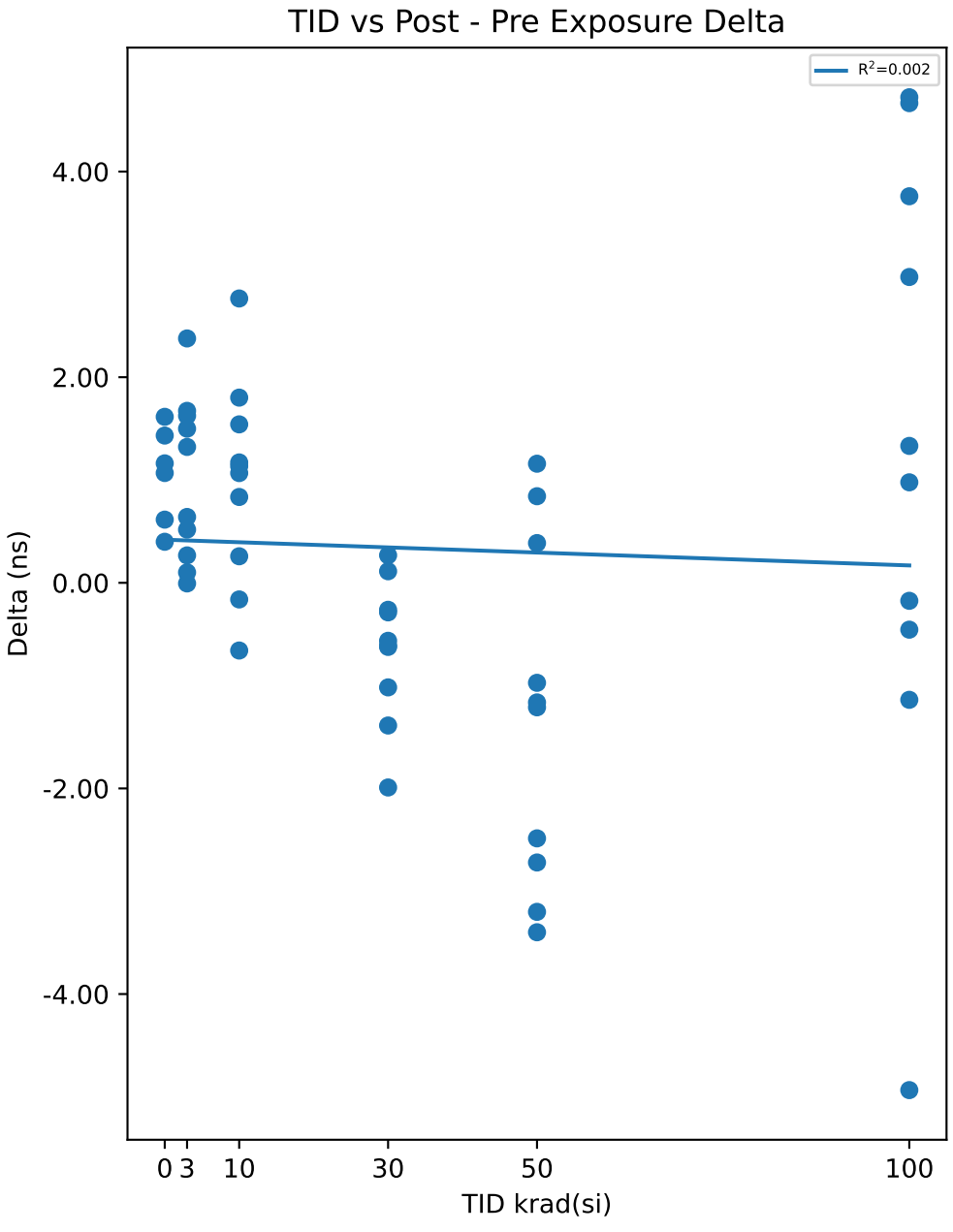
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	LDR Biased	199.06	199.03	-0.0248
2	3	LDR Biased	194.99	194.75	-0.2481
3	3	LDR Biased	186.96	186.7	-0.2536
4	3	LDR Biased	198.19	196.69	-1.4953
5	3	LDR Biased	189.31	189.08	-0.2299
6	10	LDR Biased	196.83	197.69	0.8631
7	10	LDR Biased	198.49	197.3	-1.192
8	10	LDR Biased	193.39	190.19	-3.2014
9	10	LDR Biased	195.8	196.21	0.4062
10	10	LDR Biased	196.6	196.41	-0.1909
11	30	LDR Biased	192.38	190.58	-1.8052
12	30	LDR Biased	193.44	192.25	-1.1907
13	30	LDR Biased	190.54	190.48	-0.0619
14	30	LDR Biased	194.05	192.64	-1.4033
15	30	LDR Biased	193.91	194.67	0.7622
16	50	LDR Biased	191.53	190.71	-0.8179
17	50	LDR Biased	192.82	187.55	-5.2664
18	50	LDR Biased	183.14	179.05	-4.0938
19	50	LDR Biased	190.52	188.37	-2.1516
20	50	LDR Biased	192.35	187.95	-4.4056
21	100	LDR Biased	200.19	199.54	-0.6535
22	100	LDR Biased	200.87	197.73	-3.1394
23	100	LDR Biased	194.5	197.2	2.7
24	100	LDR Biased	194.37	194.38	0.0103
25	100	LDR Biased	187.18	188.38	1.1989
26	3	LDR Unbiased	190.7	190.22	-0.4797
27	3	LDR Unbiased	195.38	195.49	0.1101
28	3	LDR Unbiased	191.96	192.12	0.1586
29	3	LDR Unbiased	190.81	189.7	-1.1126
30	3	LDR Unbiased	190.96	190.74	-0.222
31	10	LDR Unbiased	195.84	196.44	0.6077
32	10	LDR Unbiased	197.82	194.74	-3.0762
33	10	LDR Unbiased	189.81	189.96	0.1458
34	10	LDR Unbiased	192.04	191.55	-0.4877
35	10	LDR Unbiased	195.21	194.08	-1.1327
36	30	LDR Unbiased	187.92	187.59	-0.3294
37	30	LDR Unbiased	194.05	192.28	-1.7655
38	30	LDR Unbiased	193.41	191.55	-1.8573
39	30	LDR Unbiased	195.82	194.33	-1.4848
40	30	LDR Unbiased	191.58	190.24	-1.3415
41	50	LDR Unbiased	199.18	195.24	-3.9336
42	50	LDR Unbiased	198.52	194.68	-3.8455
43	50	LDR Unbiased	193.72	187.83	-5.8938
44	50	LDR Unbiased	194.28	189.09	-5.1883
45	50	LDR Unbiased	190.96	190.1	-0.8588
46	100	LDR Unbiased	195.28	191.46	-3.8206
47	100	LDR Unbiased	195.32	193.26	-2.0564
48	100	LDR Unbiased	193.61	184.66	-8.9479
49	100	LDR Unbiased	194.01	193.05	-0.9616
50	100	LDR Unbiased	191.42	188.51	-2.9081
60	0	Correlation	190.76	188.62	-2.1352
61	0	Correlation	187.06	186.52	-0.5435
62	0	Correlation	195.05	194.83	-0.2183
63	0	Correlation	198.41	197.61	-0.8003
64	0	Correlation	196.52	195.97	-0.5436
65	0	Correlation	198.18	196.81	-1.3724

Test Statistics (ns)

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	187.06	194.33	198.41	4.5258	186.52	193.39	197.61	4.6527	-2.1352	-0.93555	-0.2183	0.70286
3	186.96	192.83	199.06	3.9213	186.7	192.45	199.03	3.8843	-1.4953	-0.37973	0.1586	0.52997
10	189.81	195.18	198.49	2.6942	189.96	194.46	197.69	2.9149	-3.2014	-0.72581	0.8631	1.4423
30	187.92	192.71	195.82	2.2284	187.59	191.66	194.67	2.0826	-1.8573	-1.0477	0.7622	0.87764
50	183.14	192.7	199.18	4.472	179.05	189.06	195.24	4.4631	-5.8938	-3.6455	-0.8179	1.7937
100	187.18	194.68	200.87	3.916	184.66	192.82	199.54	4.6873	-8.9479	-1.8578	2.7	3.2105

Device Test: 24.123 _TIMING|DELAY/SYNC1/14//OPEN//@SYNC1_SW_DELAY_INV





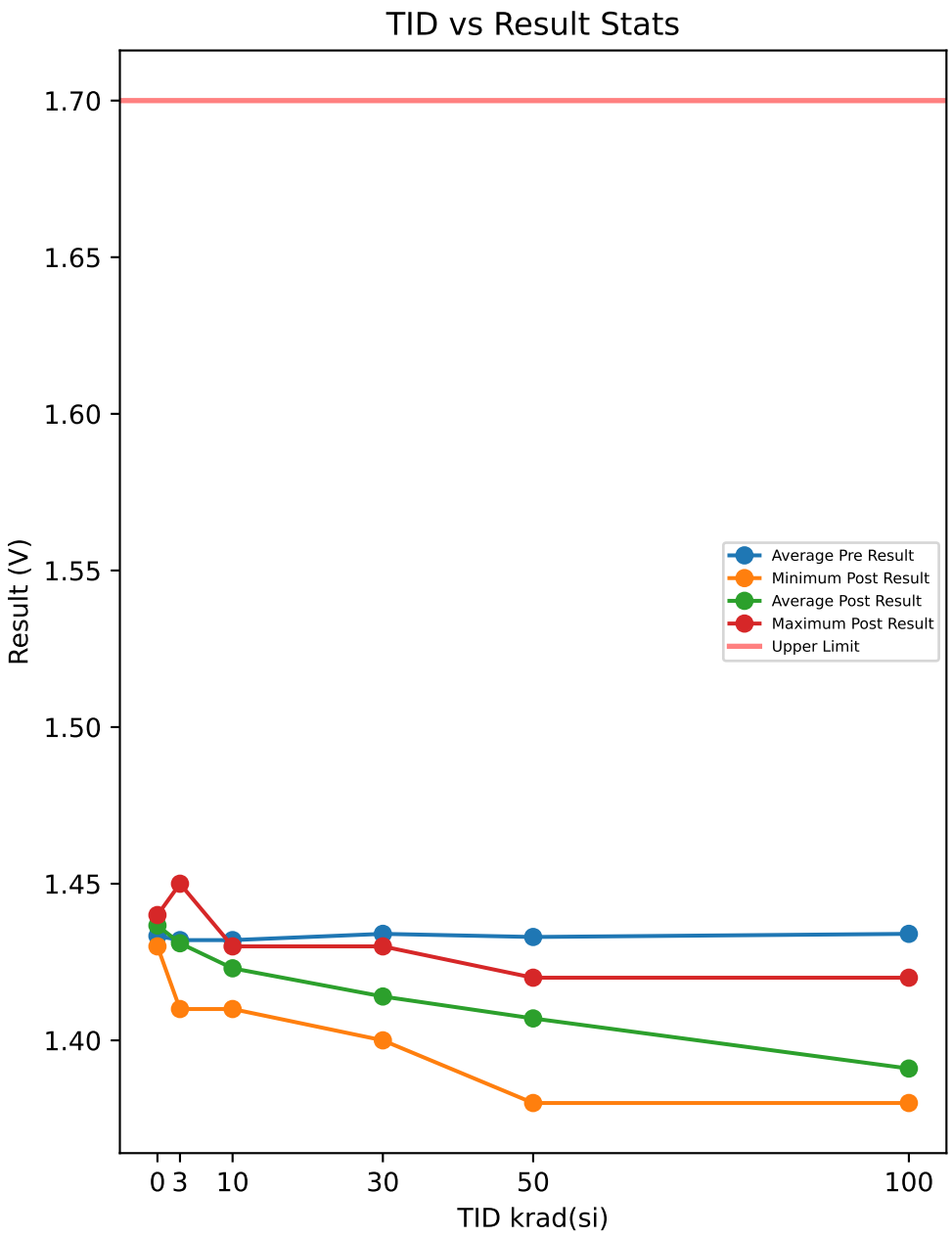
Test Results (Lower Limit = 140.0, Upper Limit = 300.0 (ns))

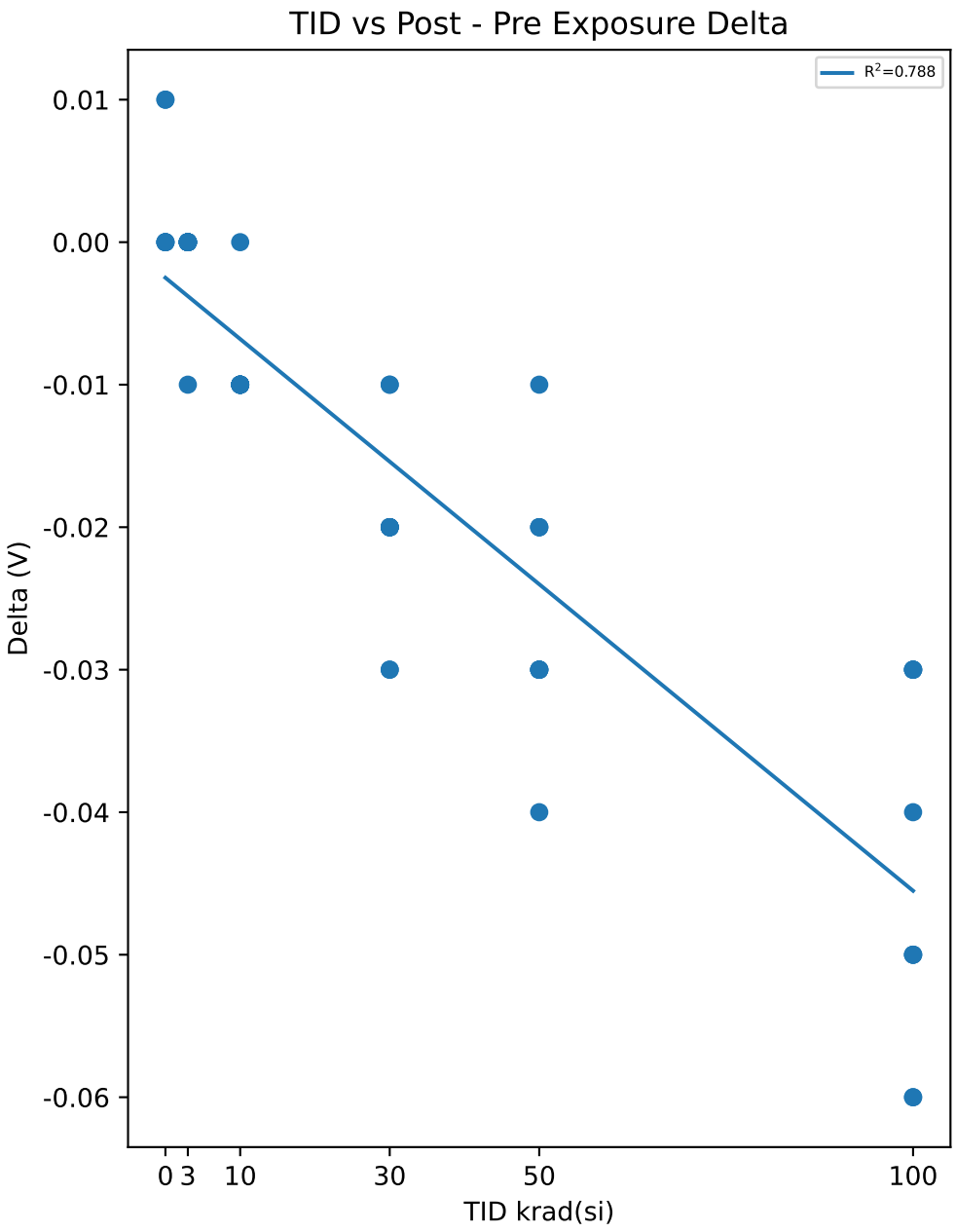
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	LDR Biased	225.54	226.06	0.5178
2	3	LDR Biased	221.92	222.56	0.6406
3	3	LDR Biased	214.26	214.36	0.1012
4	3	LDR Biased	224.34	224.6	0.2668
5	3	LDR Biased	214.27	215.94	1.6727
6	10	LDR Biased	224.51	224.77	0.2582
7	10	LDR Biased	223.46	224.6	1.1352
8	10	LDR Biased	218.24	217.58	-0.6585
9	10	LDR Biased	222.66	224.2	1.5412
10	10	LDR Biased	223.28	225.08	1.8015
11	30	LDR Biased	219.63	218.25	-1.3879
12	30	LDR Biased	222.41	220.42	-1.9907
13	30	LDR Biased	218.11	217.85	-0.2624
14	30	LDR Biased	220.82	220.21	-0.6108
15	30	LDR Biased	221.34	221.61	0.268
16	50	LDR Biased	218.78	219.94	1.1586
17	50	LDR Biased	220.29	216.89	-3.399
18	50	LDR Biased	210.55	208.06	-2.4857
19	50	LDR Biased	217.75	218.59	0.8423
20	50	LDR Biased	217.97	215.25	-2.7203
21	100	LDR Biased	226.83	229.8	2.9748
22	100	LDR Biased	226.81	227.79	0.9775
23	100	LDR Biased	220.74	225.41	4.6658
24	100	LDR Biased	222.03	223.36	1.3317
25	100	LDR Biased	213.53	217.29	3.7601
26	3	LDR Unbiased	215.47	217.84	2.377
27	3	LDR Unbiased	222.85	224.35	1.4994
28	3	LDR Unbiased	220.56	220.55	-0.0059
29	3	LDR Unbiased	217.41	218.74	1.3219
30	3	LDR Unbiased	218.13	219.76	1.6251
31	10	LDR Unbiased	223.42	224.49	1.0675
32	10	LDR Unbiased	223.92	223.76	-0.1617
33	10	LDR Unbiased	216.38	219.15	2.7657
34	10	LDR Unbiased	217.71	218.88	1.1711
35	10	LDR Unbiased	221.7	222.54	0.8351
36	30	LDR Unbiased	216.33	215.71	-0.6235
37	30	LDR Unbiased	220.02	219.74	-0.2874
38	30	LDR Unbiased	220.42	219.4	-1.0171
39	30	LDR Unbiased	222.56	222.67	0.1124
40	30	LDR Unbiased	218.79	218.23	-0.5641
41	50	LDR Unbiased	226.38	225.22	-1.1634
42	50	LDR Unbiased	224.67	223.46	-1.2109
43	50	LDR Unbiased	221.08	217.87	-3.2006
44	50	LDR Unbiased	219.4	218.43	-0.9726
45	50	LDR Unbiased	217.23	217.62	0.3866
46	100	LDR Unbiased	222.85	221.71	-1.1381
47	100	LDR Unbiased	223.06	222.89	-0.1751
48	100	LDR Unbiased	219.86	214.92	-4.9344
49	100	LDR Unbiased	218.88	223.6	4.7231
50	100	LDR Unbiased	218.6	218.14	-0.4557
60	0	Correlation	215.7	217.13	1.4324
61	0	Correlation	212.75	213.91	1.162
62	0	Correlation	222.77	223.17	0.3993
63	0	Correlation	224.94	226.01	1.0681
64	0	Correlation	222	223.62	1.6146
65	0	Correlation	223.92	224.53	0.6146

Test Statistics (ns)

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	212.75	220.35	224.94	4.9363	213.91	221.39	226.01	4.7633	0.3993	1.0485	1.6146	0.46709
3	214.26	219.48	225.54	4.1561	214.36	220.48	226.06	3.888	-0.0059	1.0017	2.377	0.80356
10	216.38	221.53	224.51	2.9486	217.58	222.5	225.08	2.8527	-0.6585	0.97553	2.7657	0.98752
30	216.33	220.04	222.56	1.9309	215.71	219.41	222.67	2.0025	-1.9907	-0.63635	0.268	0.68233
50	210.55	219.41	226.38	4.3243	208.06	218.13	225.22	4.6389	-3.399	-1.2765	1.1586	1.6683
100	213.53	221.32	226.83	3.9846	214.92	222.49	229.8	4.6671	-4.9344	1.173	4.7231	3.0169

Device Test: 24.124 _THRESHOLD|RISE/SYNC1/14//OPEN//@SYNC1_VIH





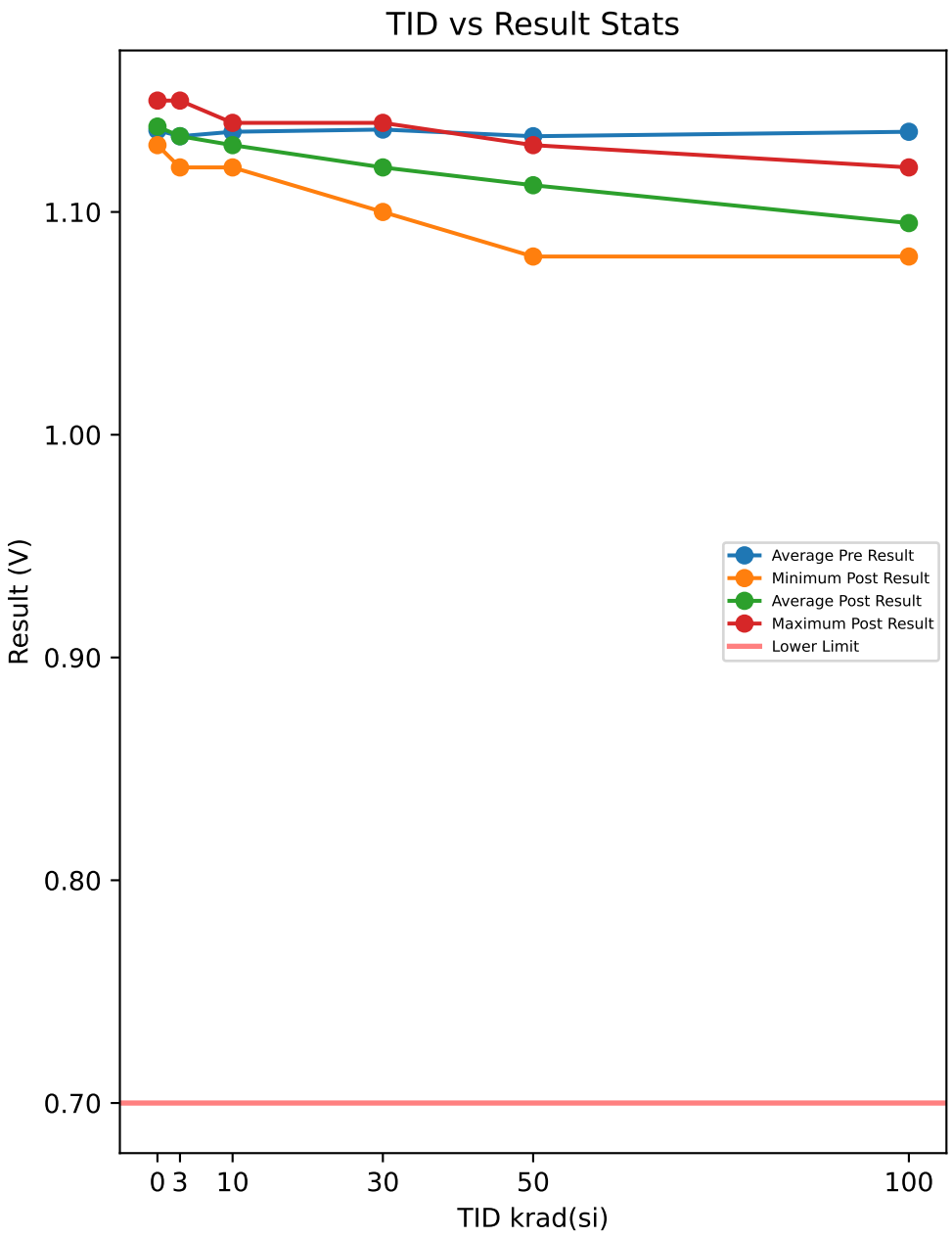
Test Results (Upper Limit = 1.7 (V))

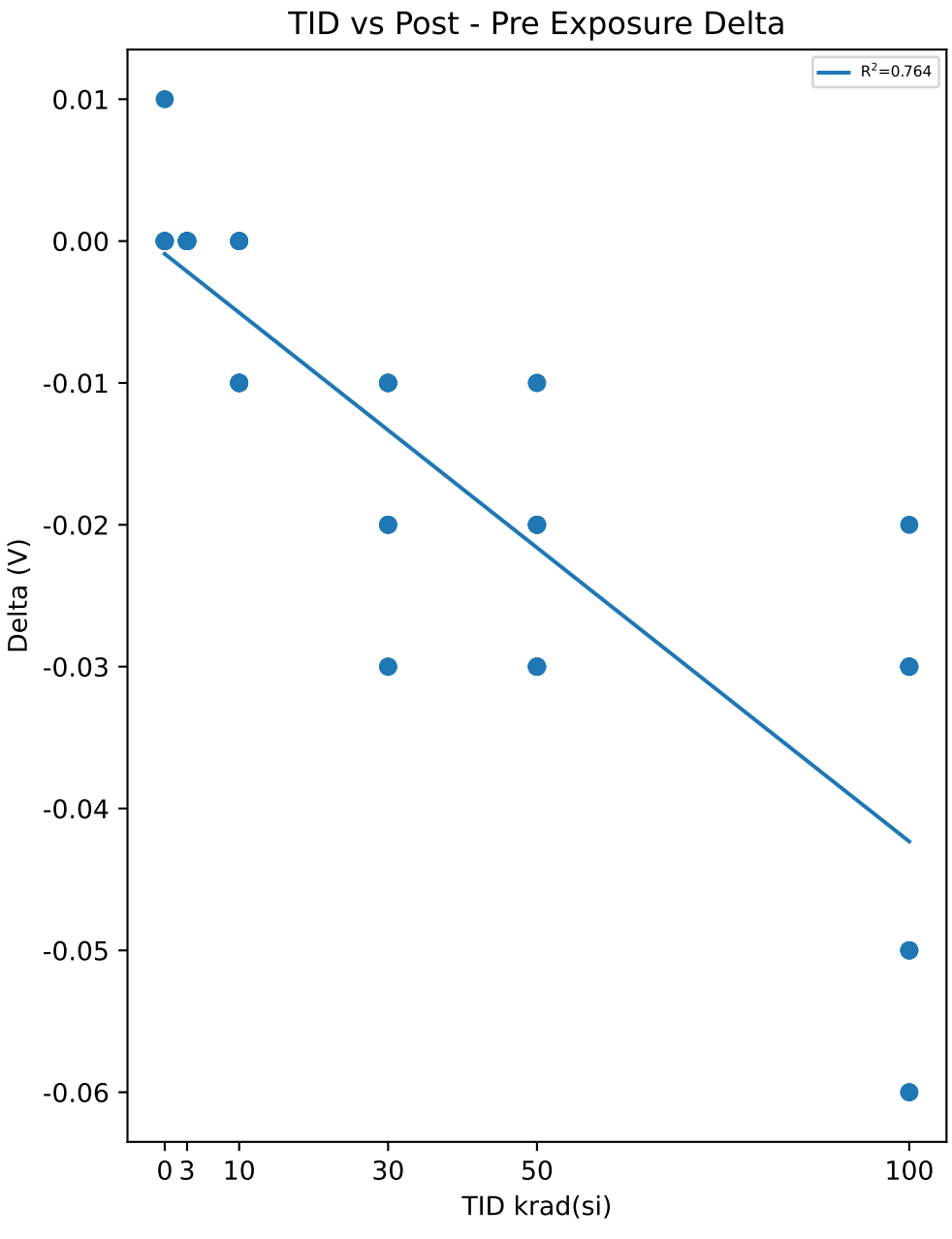
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	LDR Biased	1.44	1.44	0
2	3	LDR Biased	1.42	1.41	-0.01
3	3	LDR Biased	1.42	1.42	0
4	3	LDR Biased	1.44	1.44	0
5	3	LDR Biased	1.44	1.44	0
6	10	LDR Biased	1.43	1.42	-0.01
7	10	LDR Biased	1.44	1.43	-0.01
8	10	LDR Biased	1.44	1.43	-0.01
9	10	LDR Biased	1.42	1.42	0
10	10	LDR Biased	1.42	1.41	-0.01
11	30	LDR Biased	1.43	1.42	-0.01
12	30	LDR Biased	1.43	1.41	-0.02
13	30	LDR Biased	1.44	1.42	-0.02
14	30	LDR Biased	1.45	1.43	-0.02
15	30	LDR Biased	1.44	1.43	-0.01
16	50	LDR Biased	1.44	1.41	-0.03
17	50	LDR Biased	1.44	1.42	-0.02
18	50	LDR Biased	1.42	1.4	-0.02
19	50	LDR Biased	1.43	1.41	-0.02
20	50	LDR Biased	1.43	1.42	-0.01
21	100	LDR Biased	1.42	1.39	-0.03
22	100	LDR Biased	1.43	1.4	-0.03
23	100	LDR Biased	1.44	1.4	-0.04
24	100	LDR Biased	1.43	1.4	-0.03
25	100	LDR Biased	1.45	1.42	-0.03
26	3	LDR Unbiased	1.45	1.45	0
27	3	LDR Unbiased	1.42	1.42	0
28	3	LDR Unbiased	1.42	1.42	0
29	3	LDR Unbiased	1.43	1.43	0
30	3	LDR Unbiased	1.44	1.44	0
31	10	LDR Unbiased	1.43	1.42	-0.01
32	10	LDR Unbiased	1.44	1.43	-0.01
33	10	LDR Unbiased	1.43	1.42	-0.01
34	10	LDR Unbiased	1.43	1.42	-0.01
35	10	LDR Unbiased	1.44	1.43	-0.01
36	30	LDR Unbiased	1.42	1.4	-0.02
37	30	LDR Unbiased	1.44	1.42	-0.02
38	30	LDR Unbiased	1.43	1.41	-0.02
39	30	LDR Unbiased	1.43	1.4	-0.03
40	30	LDR Unbiased	1.43	1.4	-0.03
41	50	LDR Unbiased	1.44	1.41	-0.03
42	50	LDR Unbiased	1.41	1.38	-0.03
43	50	LDR Unbiased	1.44	1.41	-0.03
44	50	LDR Unbiased	1.44	1.41	-0.03
45	50	LDR Unbiased	1.44	1.4	-0.04
46	100	LDR Unbiased	1.43	1.38	-0.05
47	100	LDR Unbiased	1.43	1.38	-0.05
48	100	LDR Unbiased	1.44	1.38	-0.06
49	100	LDR Unbiased	1.44	1.38	-0.06
50	100	LDR Unbiased	1.43	1.38	-0.05
60	0	Correlation	1.44	1.44	0
61	0	Correlation	1.43	1.43	0
62	0	Correlation	1.43	1.43	0
63	0	Correlation	1.44	1.44	0
64	0	Correlation	1.43	1.44	0.01
65	0	Correlation	1.43	1.44	0.01

Test Statistics (V)

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	1.43	1.4333	1.44	0.005164	1.43	1.4367	1.44	0.005164	0	0.0033333	0.01	0.005164
3	1.42	1.432	1.45	0.011353	1.41	1.431	1.45	0.012867	-0.01	-0.001	0	0.0031623
10	1.42	1.432	1.44	0.0078881	1.41	1.423	1.43	0.0067495	-0.01	-0.009	0	0.0031623
30	1.42	1.434	1.45	0.0084327	1.4	1.414	1.43	0.011738	-0.03	-0.02	-0.01	0.0066667
50	1.41	1.433	1.44	0.010593	1.38	1.407	1.42	0.011595	-0.04	-0.026	-0.01	0.0084327
100	1.42	1.434	1.45	0.0084327	1.38	1.391	1.42	0.013703	-0.06	-0.043	-0.03	0.012517

Device Test: 24.125 _THRESHOLD|FALL/SYNC1/14//OPEN//@SYNC1_VIL





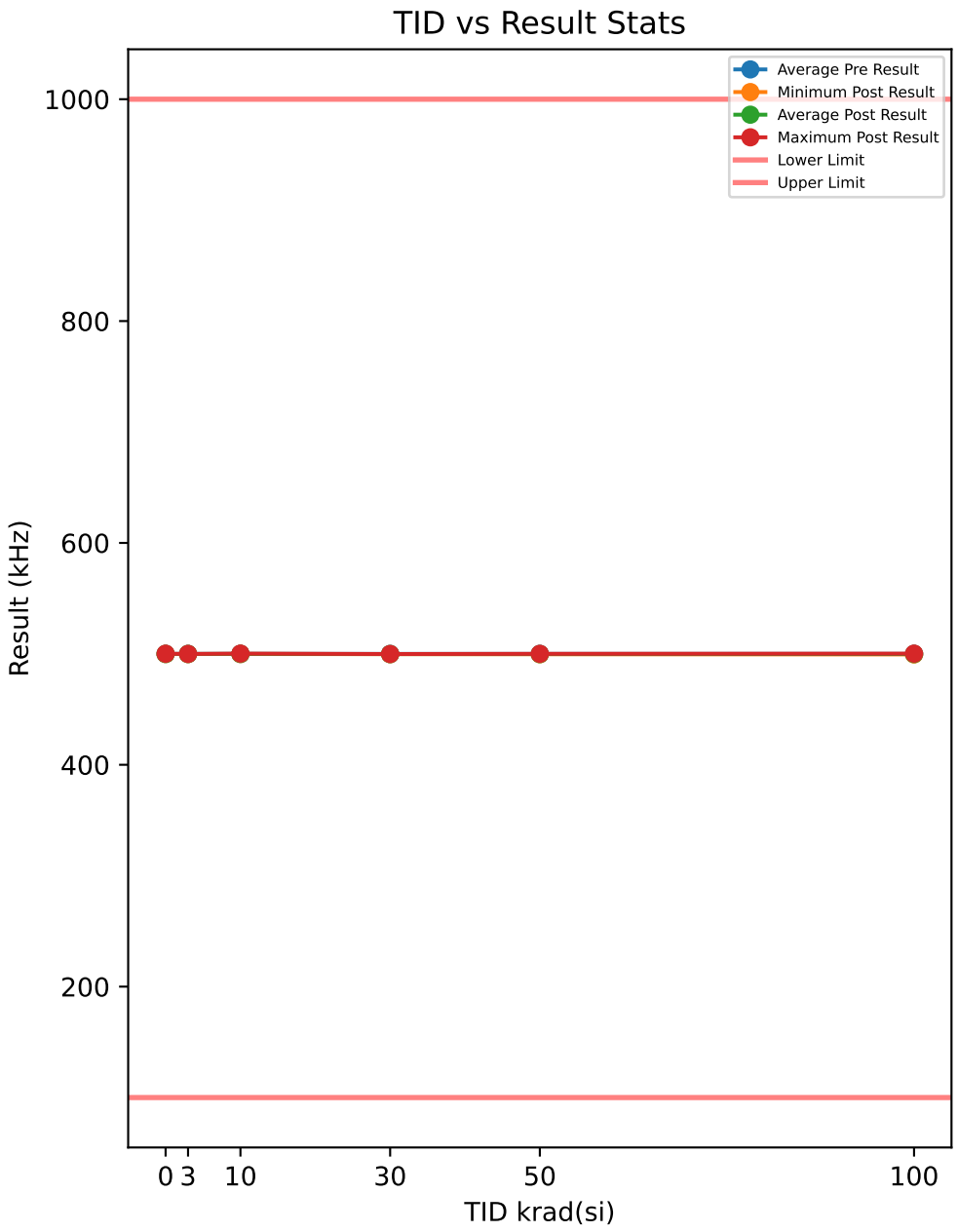
Test Results (Lower Limit = 0.7 (V))

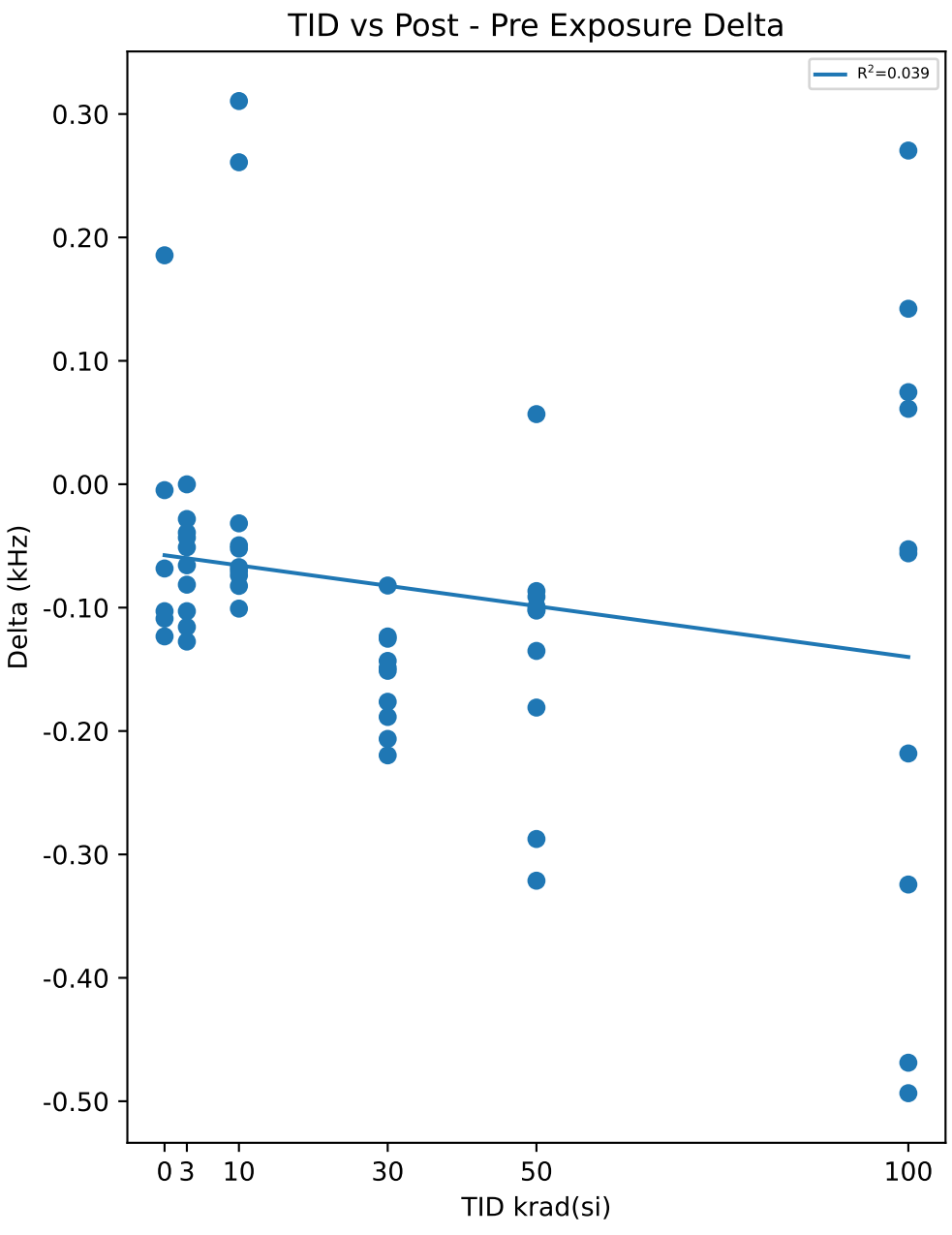
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	LDR Biased	1.14	1.14	0
2	3	LDR Biased	1.12	1.12	0
3	3	LDR Biased	1.13	1.13	0
4	3	LDR Biased	1.14	1.14	0
5	3	LDR Biased	1.14	1.14	0
6	10	LDR Biased	1.14	1.13	-0.01
7	10	LDR Biased	1.15	1.14	-0.01
8	10	LDR Biased	1.14	1.13	-0.01
9	10	LDR Biased	1.12	1.12	0
10	10	LDR Biased	1.12	1.12	0
11	30	LDR Biased	1.14	1.13	-0.01
12	30	LDR Biased	1.13	1.12	-0.01
13	30	LDR Biased	1.14	1.12	-0.02
14	30	LDR Biased	1.15	1.14	-0.01
15	30	LDR Biased	1.14	1.13	-0.01
16	50	LDR Biased	1.14	1.13	-0.01
17	50	LDR Biased	1.14	1.13	-0.01
18	50	LDR Biased	1.12	1.1	-0.02
19	50	LDR Biased	1.13	1.11	-0.02
20	50	LDR Biased	1.14	1.12	-0.02
21	100	LDR Biased	1.12	1.1	-0.02
22	100	LDR Biased	1.13	1.1	-0.03
23	100	LDR Biased	1.14	1.11	-0.03
24	100	LDR Biased	1.13	1.1	-0.03
25	100	LDR Biased	1.15	1.12	-0.03
26	3	LDR Unbiased	1.15	1.15	0
27	3	LDR Unbiased	1.13	1.13	0
28	3	LDR Unbiased	1.12	1.12	0
29	3	LDR Unbiased	1.13	1.13	0
30	3	LDR Unbiased	1.14	1.14	0
31	10	LDR Unbiased	1.14	1.13	-0.01
32	10	LDR Unbiased	1.14	1.14	0
33	10	LDR Unbiased	1.13	1.12	-0.01
34	10	LDR Unbiased	1.14	1.13	-0.01
35	10	LDR Unbiased	1.14	1.14	0
36	30	LDR Unbiased	1.13	1.11	-0.02
37	30	LDR Unbiased	1.15	1.12	-0.03
38	30	LDR Unbiased	1.13	1.11	-0.02
39	30	LDR Unbiased	1.13	1.1	-0.03
40	30	LDR Unbiased	1.13	1.12	-0.01
41	50	LDR Unbiased	1.14	1.11	-0.03
42	50	LDR Unbiased	1.11	1.08	-0.03
43	50	LDR Unbiased	1.14	1.12	-0.02
44	50	LDR Unbiased	1.14	1.11	-0.03
45	50	LDR Unbiased	1.14	1.11	-0.03
46	100	LDR Unbiased	1.14	1.08	-0.06
47	100	LDR Unbiased	1.14	1.09	-0.05
48	100	LDR Unbiased	1.13	1.08	-0.05
49	100	LDR Unbiased	1.14	1.09	-0.05
50	100	LDR Unbiased	1.14	1.08	-0.06
60	0	Correlation	1.14	1.14	0
61	0	Correlation	1.13	1.13	0
62	0	Correlation	1.13	1.13	0
63	0	Correlation	1.14	1.15	0.01
64	0	Correlation	1.14	1.14	0
65	0	Correlation	1.14	1.14	0

Test Statistics (V)

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	1.13	1.1367	1.14	0.005164	1.13	1.1383	1.15	0.0075277	0	0.0016667	0.01	0.0040825
3	1.12	1.134	1.15	0.0096609	1.12	1.134	1.15	0.0096609	0	0	0	0
10	1.12	1.136	1.15	0.0096609	1.12	1.13	1.14	0.008165	-0.01	-0.006	0	0.005164
30	1.13	1.137	1.15	0.0082327	1.1	1.12	1.14	0.011547	-0.03	-0.017	-0.01	0.0082327
50	1.11	1.134	1.14	0.01075	1.08	1.112	1.13	0.014757	-0.03	-0.022	-0.01	0.0078881
100	1.12	1.136	1.15	0.0084327	1.08	1.095	1.12	0.01354	-0.06	-0.041	-0.02	0.014491

Device Test: 24.128 _FREQ|500kHz/SYNC1/14//OPEN//@SYNC_FREQ_RANGE





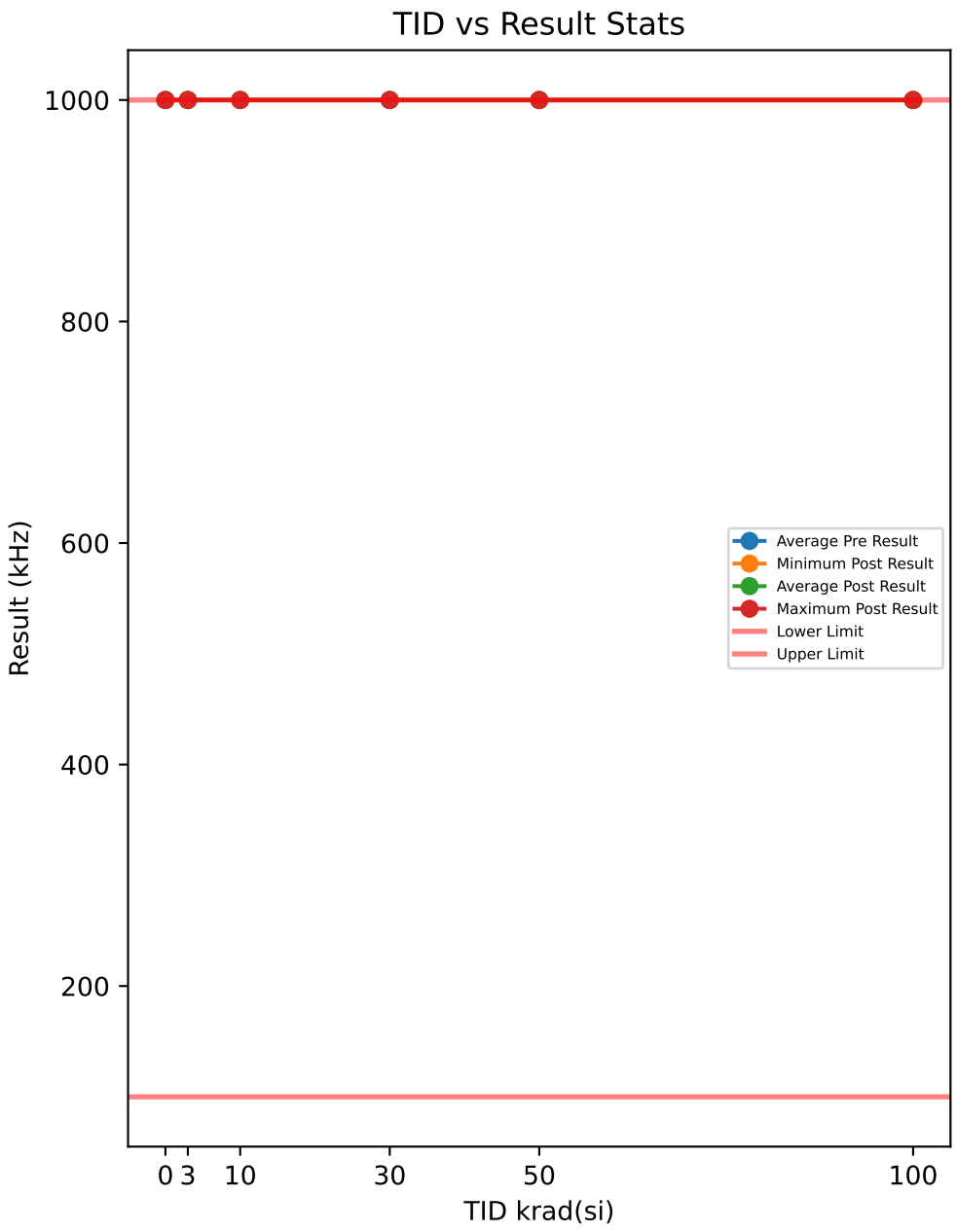
Test Results (Lower Limit = 100.0, Upper Limit = 1000.0 (kHz))

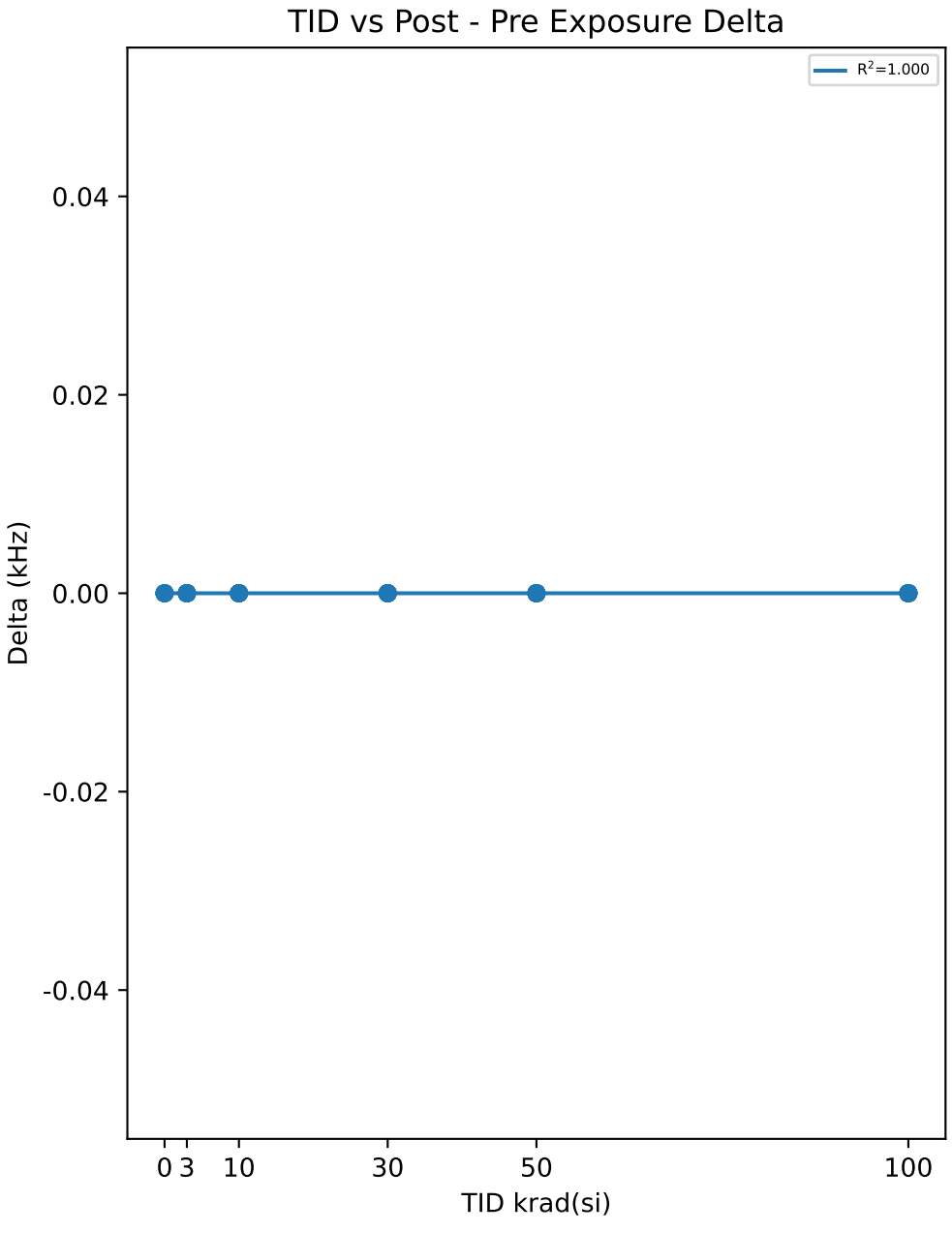
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	LDR Biased	499.92	499.92	-0.0001
2	3	LDR Biased	499.94	499.84	-0.1029
3	3	LDR Biased	499.95	499.84	-0.1157
4	3	LDR Biased	499.96	499.92	-0.0433
5	3	LDR Biased	499.96	499.93	-0.0392
6	10	LDR Biased	499.97	499.9	-0.0739
7	10	LDR Biased	499.94	499.89	-0.0495
8	10	LDR Biased	499.97	500.23	0.2609
9	10	LDR Biased	499.98	499.91	-0.0702
10	10	LDR Biased	499.94	499.91	-0.0317
11	30	LDR Biased	499.96	499.75	-0.2064
12	30	LDR Biased	499.95	499.77	-0.1763
13	30	LDR Biased	499.93	499.81	-0.1234
14	30	LDR Biased	499.95	499.8	-0.1432
15	30	LDR Biased	499.94	499.72	-0.2197
16	50	LDR Biased	499.96	499.64	-0.3213
17	50	LDR Biased	499.97	500.03	0.0568
18	50	LDR Biased	499.96	499.67	-0.2875
19	50	LDR Biased	499.95	499.85	-0.1024
20	50	LDR Biased	499.97	499.88	-0.0866
21	100	LDR Biased	499.97	499.5	-0.4688
22	100	LDR Biased	499.96	500.1	0.1422
23	100	LDR Biased	499.94	499.45	-0.4935
24	100	LDR Biased	499.95	500.01	0.0611
25	100	LDR Biased	499.95	499.73	-0.2182
26	3	LDR Unbiased	499.94	499.82	-0.1275
27	3	LDR Unbiased	499.95	499.92	-0.0282
28	3	LDR Unbiased	499.94	499.86	-0.0814
29	3	LDR Unbiased	499.96	499.89	-0.0657
30	3	LDR Unbiased	499.94	499.89	-0.0511
31	10	LDR Unbiased	499.94	499.84	-0.1008
32	10	LDR Unbiased	499.96	499.9	-0.0672
33	10	LDR Unbiased	499.96	499.87	-0.0824
34	10	LDR Unbiased	499.94	499.88	-0.0521
35	10	LDR Unbiased	499.92	500.23	0.3105
36	30	LDR Unbiased	499.95	499.8	-0.1487
37	30	LDR Unbiased	499.92	499.84	-0.0821
38	30	LDR Unbiased	499.96	499.81	-0.1512
39	30	LDR Unbiased	499.93	499.74	-0.1886
40	30	LDR Unbiased	499.94	499.81	-0.1252
41	50	LDR Unbiased	499.95	499.85	-0.099
42	50	LDR Unbiased	499.94	499.84	-0.1018
43	50	LDR Unbiased	499.92	499.74	-0.181
44	50	LDR Unbiased	499.93	499.84	-0.0912
45	50	LDR Unbiased	499.97	499.84	-0.1351
46	100	LDR Unbiased	499.94	500.21	0.2704
47	100	LDR Unbiased	499.98	499.93	-0.0527
48	100	LDR Unbiased	499.97	499.92	-0.056
49	100	LDR Unbiased	499.94	500.02	0.0746
50	100	LDR Unbiased	499.98	499.65	-0.3244
60	0	Correlation	499.94	500.13	0.1855
61	0	Correlation	499.95	499.94	-0.0048
62	0	Correlation	499.95	499.83	-0.1233
63	0	Correlation	499.95	499.84	-0.1089
64	0	Correlation	499.93	499.83	-0.1029
65	0	Correlation	499.95	499.88	-0.0683

Test Statistics (kHz)

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	499.93	499.95	499.95	0.006477	499.83	499.91	500.13	0.11703	-0.1233	-0.037117	0.1855	0.11703
3	499.92	499.95	499.96	0.013043	499.82	499.88	499.93	0.04045	-0.1275	-0.06551	-0.0001	0.040928
10	499.92	499.95	499.98	0.018948	499.84	499.96	500.23	0.14651	-0.1008	0.00436	0.3105	0.14993
30	499.92	499.94	499.96	0.012936	499.72	499.79	499.84	0.036502	-0.2197	-0.15648	-0.0821	0.041877
50	499.92	499.95	499.97	0.018494	499.64	499.82	500.03	0.11228	-0.3213	-0.13491	0.0568	0.1078
100	499.94	499.96	499.98	0.015583	499.45	499.85	500.21	0.25495	-0.4935	-0.10653	0.2704	0.2606

Device Test: 24.129 _FREQ|1000kHz/SYNC1/14//OPEN//@SYNC_FREQ_RANGE





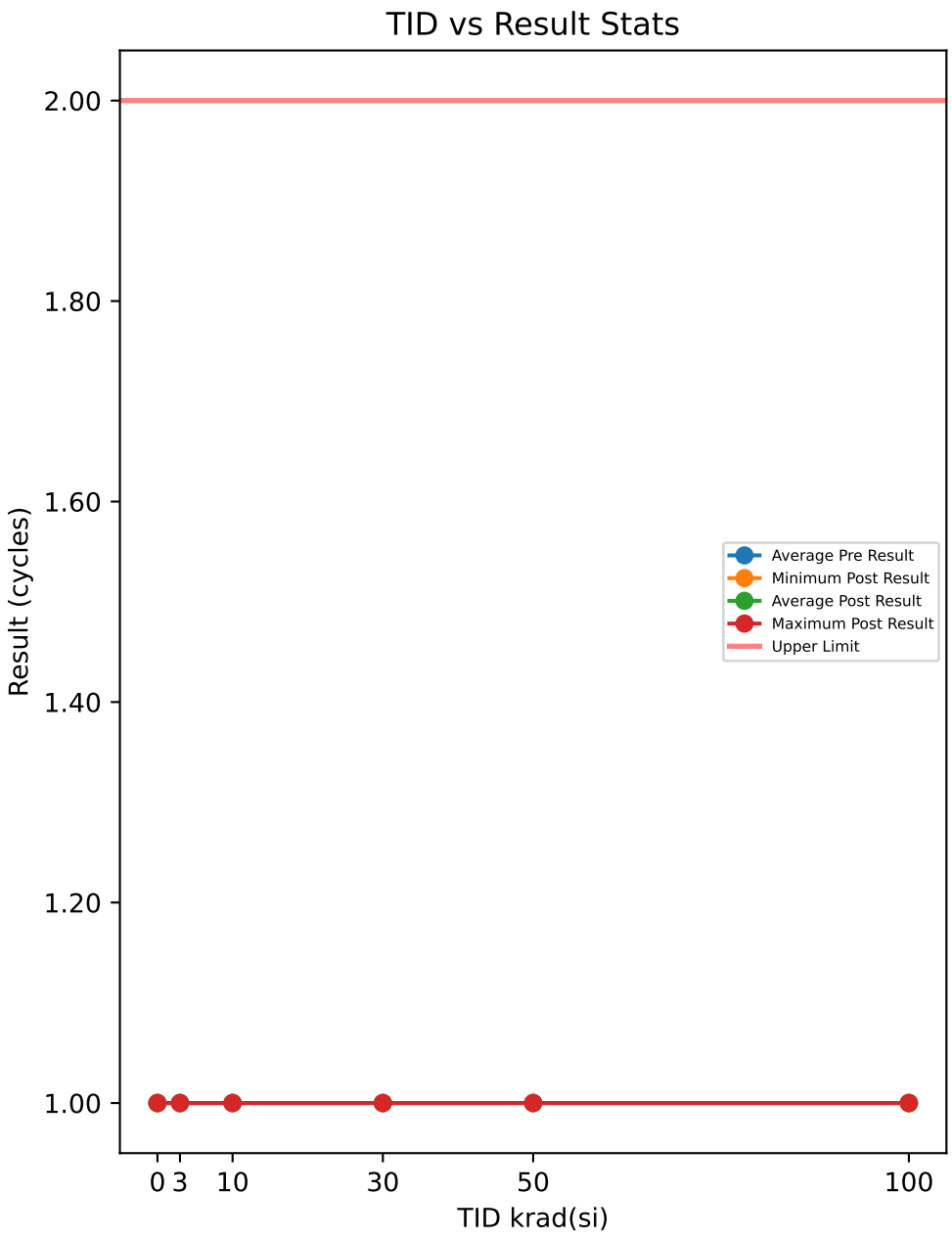
Test Results (Lower Limit = 100.0, Upper Limit = 1000.0 (kHz))

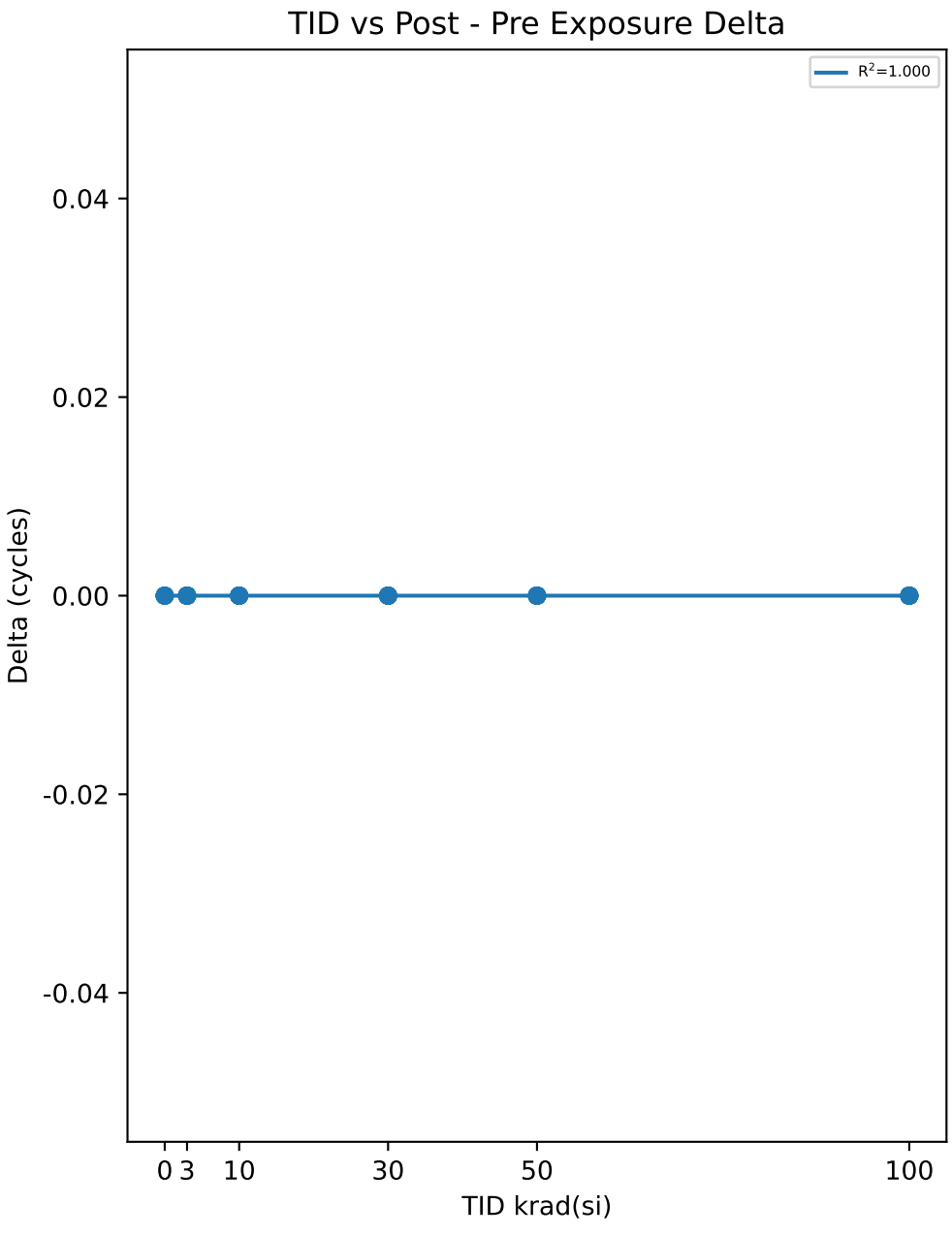
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	LDR Biased	1000	1000	0
2	3	LDR Biased	1000	1000	0
3	3	LDR Biased	1000	1000	0
4	3	LDR Biased	1000	1000	0
5	3	LDR Biased	1000	1000	0
6	10	LDR Biased	1000	1000	0
7	10	LDR Biased	1000	1000	0
8	10	LDR Biased	1000	1000	0
9	10	LDR Biased	1000	1000	0
10	10	LDR Biased	1000	1000	0
11	30	LDR Biased	1000	1000	0
12	30	LDR Biased	1000	1000	0
13	30	LDR Biased	1000	1000	0
14	30	LDR Biased	1000	1000	0
15	30	LDR Biased	1000	1000	0
16	50	LDR Biased	1000	1000	0
17	50	LDR Biased	1000	1000	0
18	50	LDR Biased	1000	1000	0
19	50	LDR Biased	1000	1000	0
20	50	LDR Biased	1000	1000	0
21	100	LDR Biased	1000	1000	0
22	100	LDR Biased	1000	1000	0
23	100	LDR Biased	1000	1000	0
24	100	LDR Biased	1000	1000	0
25	100	LDR Biased	1000	1000	0
26	3	LDR Unbiased	1000	1000	0
27	3	LDR Unbiased	1000	1000	0
28	3	LDR Unbiased	1000	1000	0
29	3	LDR Unbiased	1000	1000	0
30	3	LDR Unbiased	1000	1000	0
31	10	LDR Unbiased	1000	1000	0
32	10	LDR Unbiased	1000	1000	0
33	10	LDR Unbiased	1000	1000	0
34	10	LDR Unbiased	1000	1000	0
35	10	LDR Unbiased	1000	1000	0
36	30	LDR Unbiased	1000	1000	0
37	30	LDR Unbiased	1000	1000	0
38	30	LDR Unbiased	1000	1000	0
39	30	LDR Unbiased	1000	1000	0
40	30	LDR Unbiased	1000	1000	0
41	50	LDR Unbiased	1000	1000	0
42	50	LDR Unbiased	1000	1000	0
43	50	LDR Unbiased	1000	1000	0
44	50	LDR Unbiased	1000	1000	0
45	50	LDR Unbiased	1000	1000	0
46	100	LDR Unbiased	1000	1000	0
47	100	LDR Unbiased	1000	1000	0
48	100	LDR Unbiased	1000	1000	0
49	100	LDR Unbiased	1000	1000	0
50	100	LDR Unbiased	1000	1000	0
60	0	Correlation	1000	1000	0
61	0	Correlation	1000	1000	0
62	0	Correlation	1000	1000	0
63	0	Correlation	1000	1000	0
64	0	Correlation	1000	1000	0
65	0	Correlation	1000	1000	0

Test Statistics (kHz)

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	1000	1000	1000	0	1000	1000	1000	0	0	0	0	0
3	1000	1000	1000	0	1000	1000	1000	0	0	0	0	0
10	1000	1000	1000	0	1000	1000	1000	0	0	0	0	0
30	1000	1000	1000	0	1000	1000	1000	0	0	0	0	0
50	1000	1000	1000	0	1000	1000	1000	0	0	0	0	0
100	1000	1000	1000	0	1000	1000	1000	0	0	0	0	0

Device Test: 24.13 _TIMING|CLKDETECT/SYNC1/4.5//511k//@T_CLOCK_DET_EXT





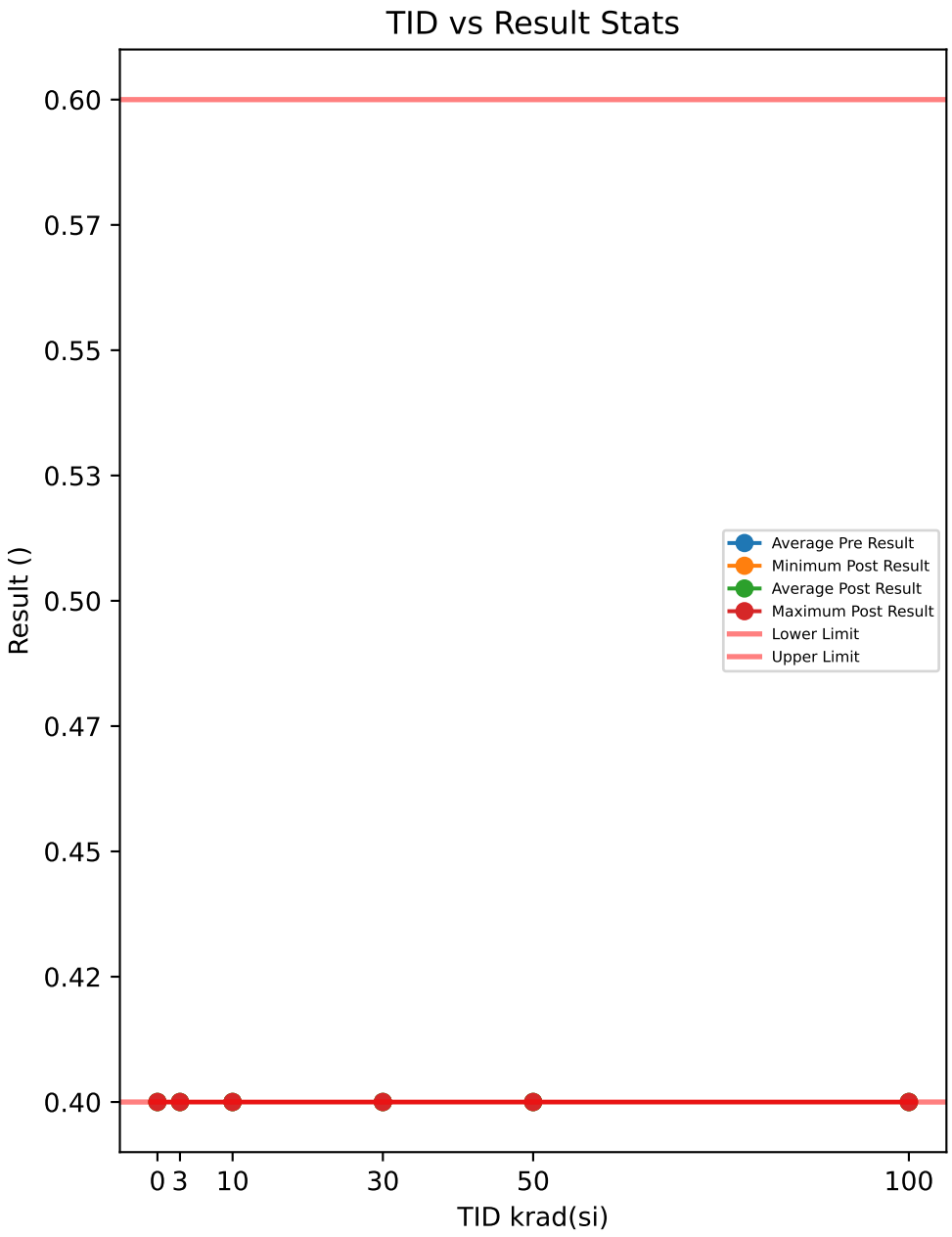
Test Results (Upper Limit = 2.0 (cycles))

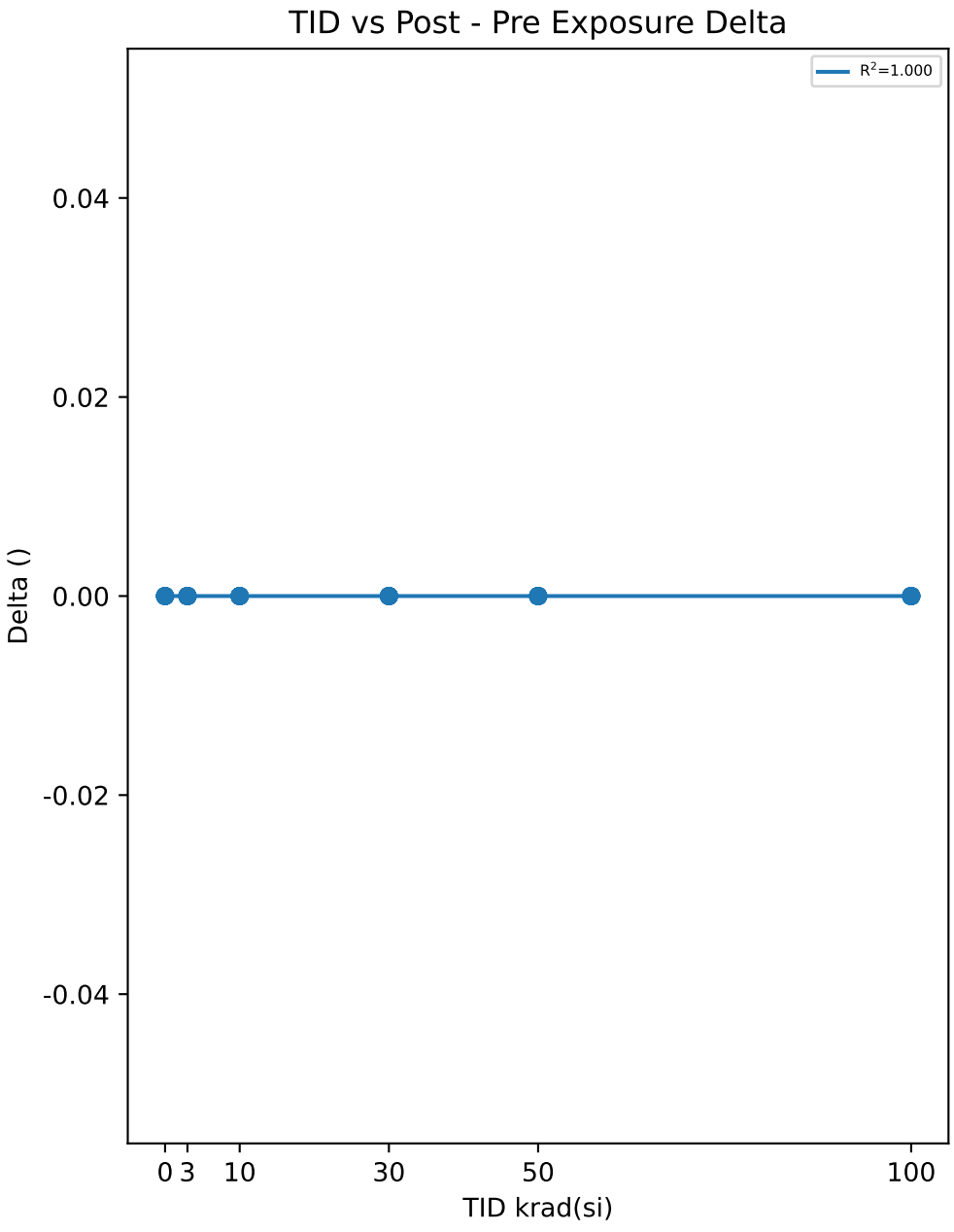
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	LDR Biased	1	1	0
2	3	LDR Biased	1	1	0
3	3	LDR Biased	1	1	0
4	3	LDR Biased	1	1	0
5	3	LDR Biased	1	1	0
6	10	LDR Biased	1	1	0
7	10	LDR Biased	1	1	0
8	10	LDR Biased	1	1	0
9	10	LDR Biased	1	1	0
10	10	LDR Biased	1	1	0
11	30	LDR Biased	1	1	0
12	30	LDR Biased	1	1	0
13	30	LDR Biased	1	1	0
14	30	LDR Biased	1	1	0
15	30	LDR Biased	1	1	0
16	50	LDR Biased	1	1	0
17	50	LDR Biased	1	1	0
18	50	LDR Biased	1	1	0
19	50	LDR Biased	1	1	0
20	50	LDR Biased	1	1	0
21	100	LDR Biased	1	1	0
22	100	LDR Biased	1	1	0
23	100	LDR Biased	1	1	0
24	100	LDR Biased	1	1	0
25	100	LDR Biased	1	1	0
26	3	LDR Unbiased	1	1	0
27	3	LDR Unbiased	1	1	0
28	3	LDR Unbiased	1	1	0
29	3	LDR Unbiased	1	1	0
30	3	LDR Unbiased	1	1	0
31	10	LDR Unbiased	1	1	0
32	10	LDR Unbiased	1	1	0
33	10	LDR Unbiased	1	1	0
34	10	LDR Unbiased	1	1	0
35	10	LDR Unbiased	1	1	0
36	30	LDR Unbiased	1	1	0
37	30	LDR Unbiased	1	1	0
38	30	LDR Unbiased	1	1	0
39	30	LDR Unbiased	1	1	0
40	30	LDR Unbiased	1	1	0
41	50	LDR Unbiased	1	1	0
42	50	LDR Unbiased	1	1	0
43	50	LDR Unbiased	1	1	0
44	50	LDR Unbiased	1	1	0
45	50	LDR Unbiased	1	1	0
46	100	LDR Unbiased	1	1	0
47	100	LDR Unbiased	1	1	0
48	100	LDR Unbiased	1	1	0
49	100	LDR Unbiased	1	1	0
50	100	LDR Unbiased	1	1	0
60	0	Correlation	1	1	0
61	0	Correlation	1	1	0
62	0	Correlation	1	1	0
63	0	Correlation	1	1	0
64	0	Correlation	1	1	0
65	0	Correlation	1	1	0

Test Statistics (cycles)

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	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	1	1	0	1	1	1	0	0	0	0	0
3	1	1	1	0	1	1	1	0	0	0	0	0
10	1	1	1	0	1	1	1	0	0	0	0	0
30	1	1	1	0	1	1	1	0	0	0	0	0
50	1	1	1	0	1	1	1	0	0	0	0	0
100	1	1	1	0	1	1	1	0	0	0	0	0

Device Test: 24.130 _UTYCYCLE|GNG_40%/SYNC1/14//OPEN//@SYNC_IN_DUTY_CYCLE_RANGE





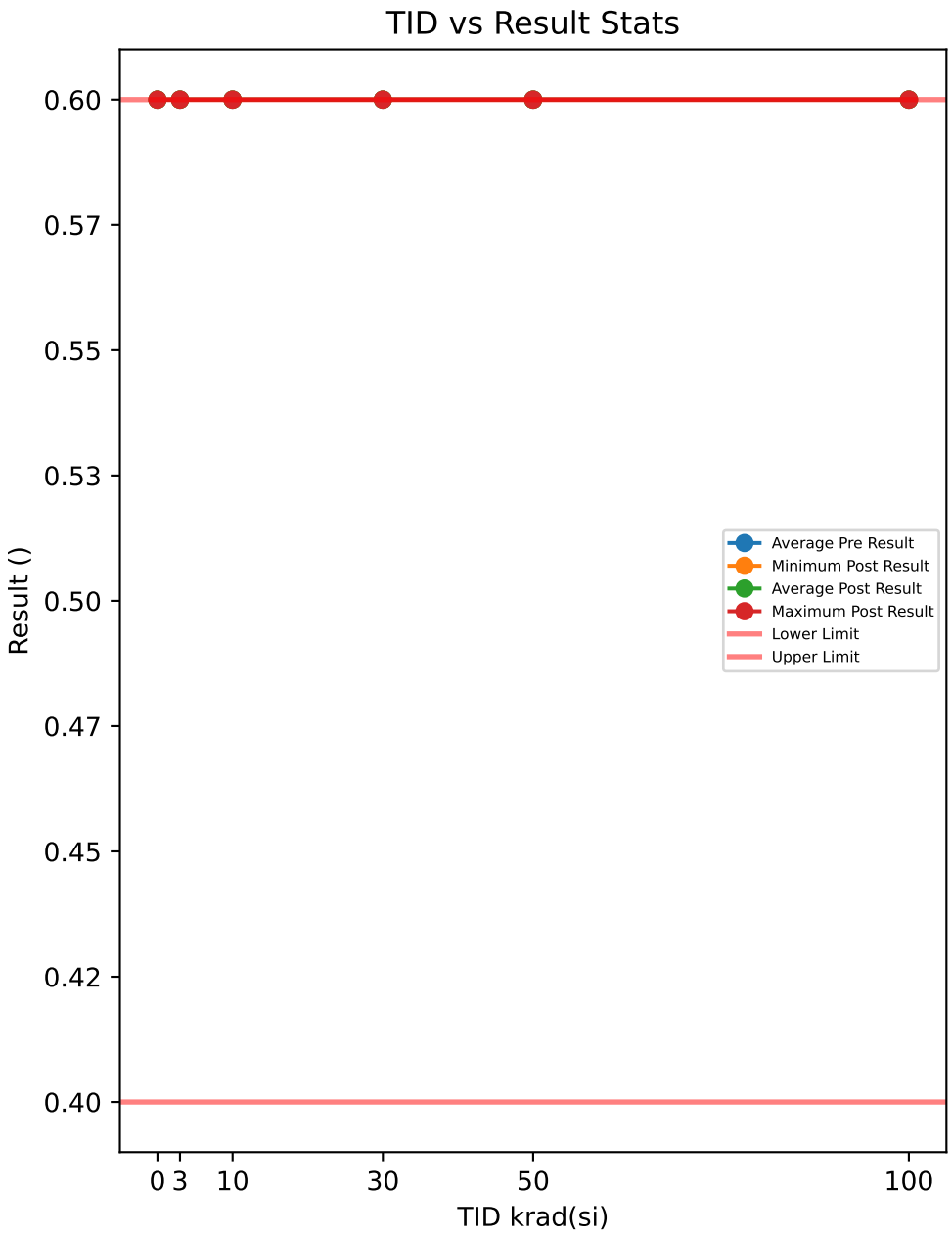
Test Results (Lower Limit = 0.4, Upper Limit = 0.6 ())

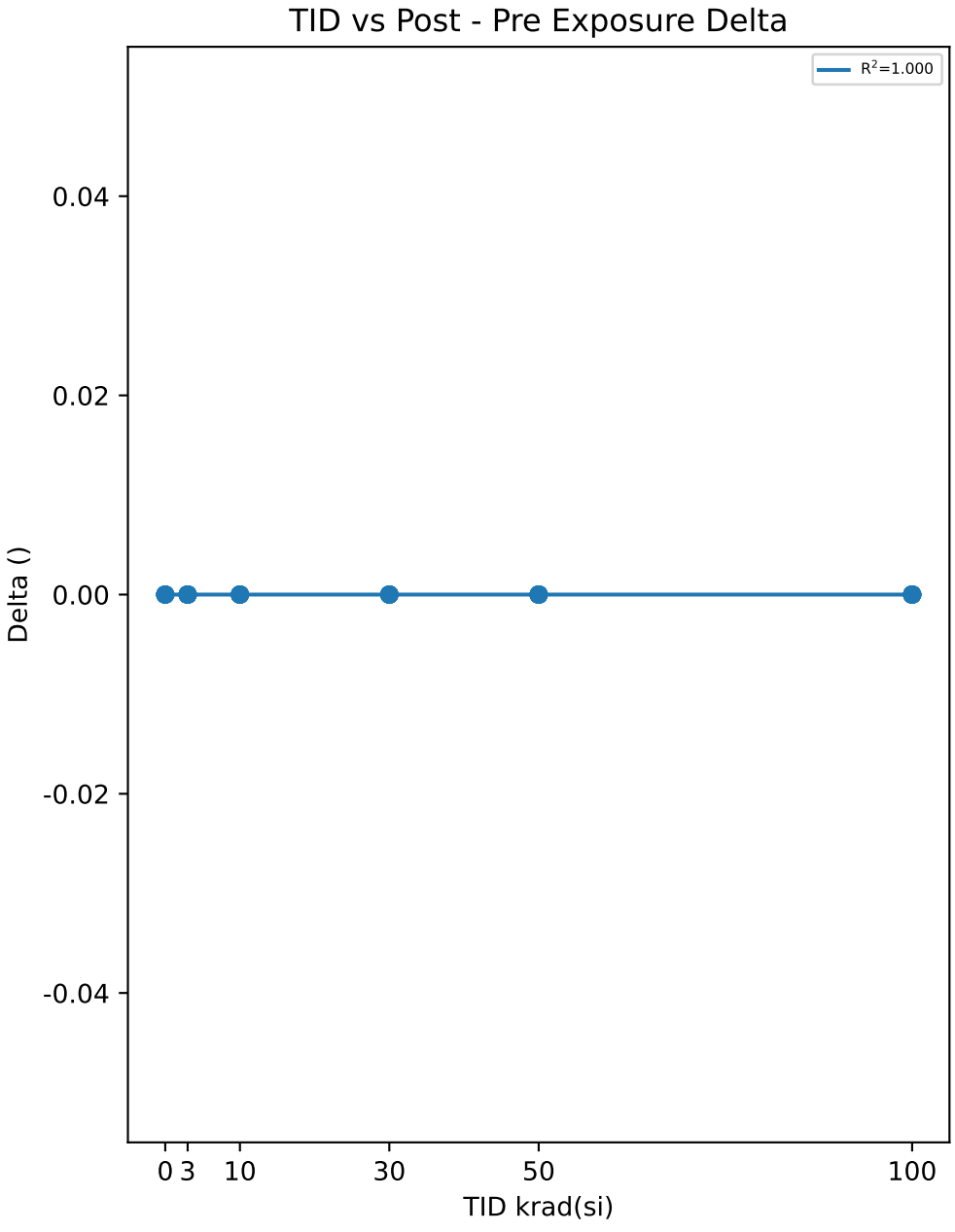
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	LDR Biased	0.4	0.4	0
2	3	LDR Biased	0.4	0.4	0
3	3	LDR Biased	0.4	0.4	0
4	3	LDR Biased	0.4	0.4	0
5	3	LDR Biased	0.4	0.4	0
6	10	LDR Biased	0.4	0.4	0
7	10	LDR Biased	0.4	0.4	0
8	10	LDR Biased	0.4	0.4	0
9	10	LDR Biased	0.4	0.4	0
10	10	LDR Biased	0.4	0.4	0
11	30	LDR Biased	0.4	0.4	0
12	30	LDR Biased	0.4	0.4	0
13	30	LDR Biased	0.4	0.4	0
14	30	LDR Biased	0.4	0.4	0
15	30	LDR Biased	0.4	0.4	0
16	50	LDR Biased	0.4	0.4	0
17	50	LDR Biased	0.4	0.4	0
18	50	LDR Biased	0.4	0.4	0
19	50	LDR Biased	0.4	0.4	0
20	50	LDR Biased	0.4	0.4	0
21	100	LDR Biased	0.4	0.4	0
22	100	LDR Biased	0.4	0.4	0
23	100	LDR Biased	0.4	0.4	0
24	100	LDR Biased	0.4	0.4	0
25	100	LDR Biased	0.4	0.4	0
26	3	LDR Unbiased	0.4	0.4	0
27	3	LDR Unbiased	0.4	0.4	0
28	3	LDR Unbiased	0.4	0.4	0
29	3	LDR Unbiased	0.4	0.4	0
30	3	LDR Unbiased	0.4	0.4	0
31	10	LDR Unbiased	0.4	0.4	0
32	10	LDR Unbiased	0.4	0.4	0
33	10	LDR Unbiased	0.4	0.4	0
34	10	LDR Unbiased	0.4	0.4	0
35	10	LDR Unbiased	0.4	0.4	0
36	30	LDR Unbiased	0.4	0.4	0
37	30	LDR Unbiased	0.4	0.4	0
38	30	LDR Unbiased	0.4	0.4	0
39	30	LDR Unbiased	0.4	0.4	0
40	30	LDR Unbiased	0.4	0.4	0
41	50	LDR Unbiased	0.4	0.4	0
42	50	LDR Unbiased	0.4	0.4	0
43	50	LDR Unbiased	0.4	0.4	0
44	50	LDR Unbiased	0.4	0.4	0
45	50	LDR Unbiased	0.4	0.4	0
46	100	LDR Unbiased	0.4	0.4	0
47	100	LDR Unbiased	0.4	0.4	0
48	100	LDR Unbiased	0.4	0.4	0
49	100	LDR Unbiased	0.4	0.4	0
50	100	LDR Unbiased	0.4	0.4	0
60	0	Correlation	0.4	0.4	0
61	0	Correlation	0.4	0.4	0
62	0	Correlation	0.4	0.4	0
63	0	Correlation	0.4	0.4	0
64	0	Correlation	0.4	0.4	0
65	0	Correlation	0.4	0.4	0

Test Statistics ()

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	0.4	0.4	0.4	0	0.4	0.4	0.4	0	0	0	0	0
3	0.4	0.4	0.4	0	0.4	0.4	0.4	0	0	0	0	0
10	0.4	0.4	0.4	0	0.4	0.4	0.4	0	0	0	0	0
30	0.4	0.4	0.4	0	0.4	0.4	0.4	0	0	0	0	0
50	0.4	0.4	0.4	0	0.4	0.4	0.4	0	0	0	0	0
100	0.4	0.4	0.4	0	0.4	0.4	0.4	0	0	0	0	0

Device Test: 24.131 _UTYCYCLE|GNG_60%/SYNC1/14//OPEN//@SYNC_IN_DUTY_CYCLE_RANGE





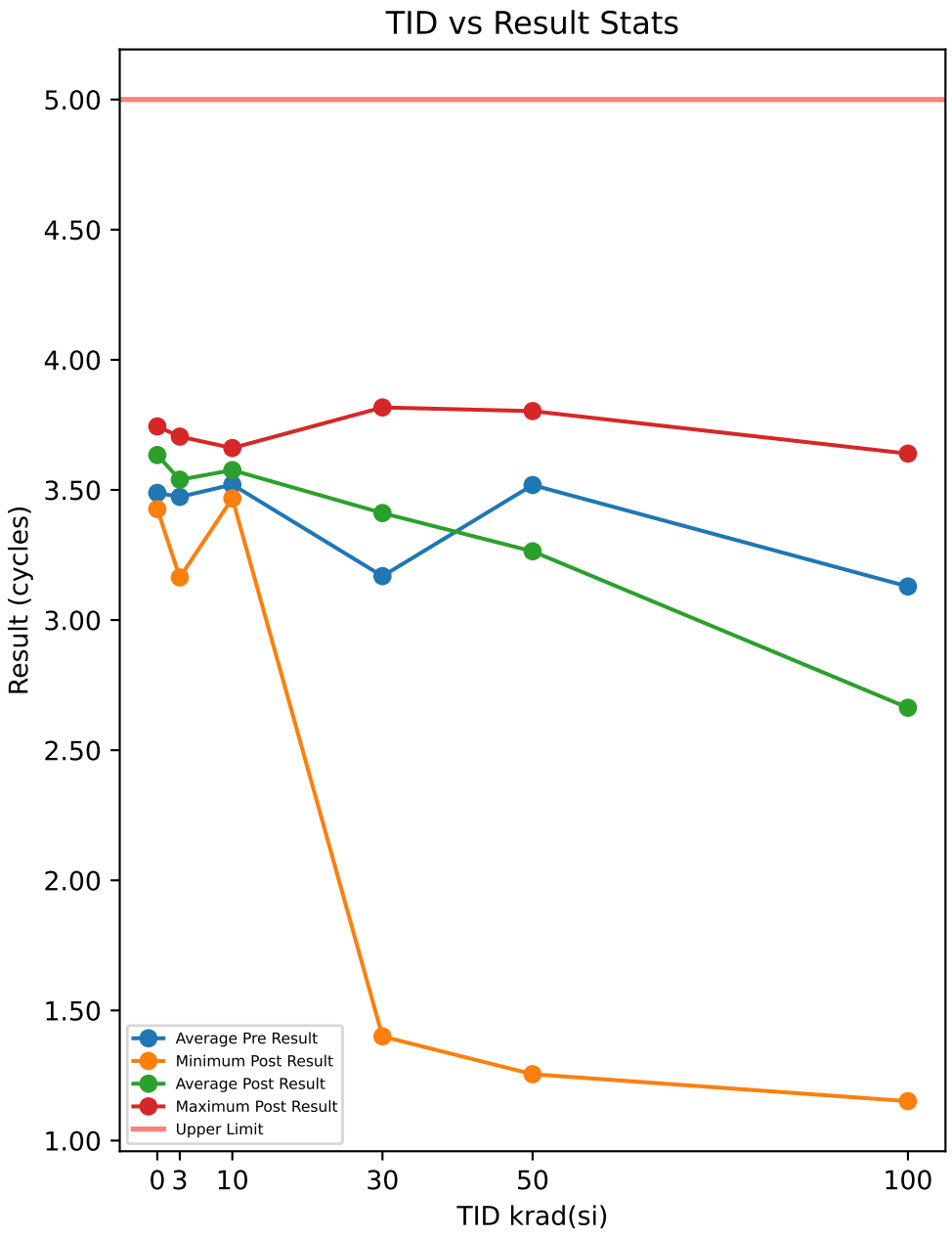
Test Results (Lower Limit = 0.4, Upper Limit = 0.6 ())

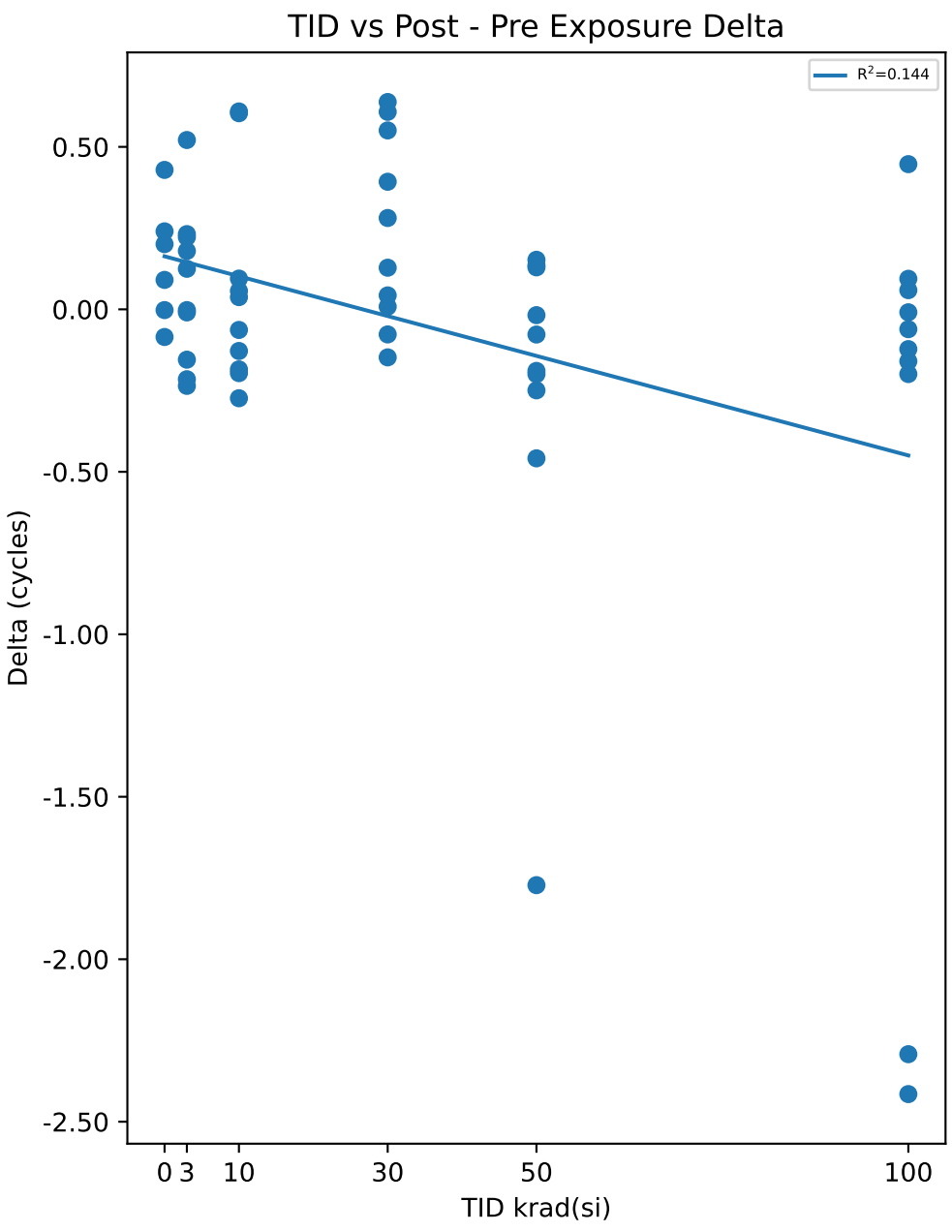
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	LDR Biased	0.6	0.6	0
2	3	LDR Biased	0.6	0.6	0
3	3	LDR Biased	0.6	0.6	0
4	3	LDR Biased	0.6	0.6	0
5	3	LDR Biased	0.6	0.6	0
6	10	LDR Biased	0.6	0.6	0
7	10	LDR Biased	0.6	0.6	0
8	10	LDR Biased	0.6	0.6	0
9	10	LDR Biased	0.6	0.6	0
10	10	LDR Biased	0.6	0.6	0
11	30	LDR Biased	0.6	0.6	0
12	30	LDR Biased	0.6	0.6	0
13	30	LDR Biased	0.6	0.6	0
14	30	LDR Biased	0.6	0.6	0
15	30	LDR Biased	0.6	0.6	0
16	50	LDR Biased	0.6	0.6	0
17	50	LDR Biased	0.6	0.6	0
18	50	LDR Biased	0.6	0.6	0
19	50	LDR Biased	0.6	0.6	0
20	50	LDR Biased	0.6	0.6	0
21	100	LDR Biased	0.6	0.6	0
22	100	LDR Biased	0.6	0.6	0
23	100	LDR Biased	0.6	0.6	0
24	100	LDR Biased	0.6	0.6	0
25	100	LDR Biased	0.6	0.6	0
26	3	LDR Unbiased	0.6	0.6	0
27	3	LDR Unbiased	0.6	0.6	0
28	3	LDR Unbiased	0.6	0.6	0
29	3	LDR Unbiased	0.6	0.6	0
30	3	LDR Unbiased	0.6	0.6	0
31	10	LDR Unbiased	0.6	0.6	0
32	10	LDR Unbiased	0.6	0.6	0
33	10	LDR Unbiased	0.6	0.6	0
34	10	LDR Unbiased	0.6	0.6	0
35	10	LDR Unbiased	0.6	0.6	0
36	30	LDR Unbiased	0.6	0.6	0
37	30	LDR Unbiased	0.6	0.6	0
38	30	LDR Unbiased	0.6	0.6	0
39	30	LDR Unbiased	0.6	0.6	0
40	30	LDR Unbiased	0.6	0.6	0
41	50	LDR Unbiased	0.6	0.6	0
42	50	LDR Unbiased	0.6	0.6	0
43	50	LDR Unbiased	0.6	0.6	0
44	50	LDR Unbiased	0.6	0.6	0
45	50	LDR Unbiased	0.6	0.6	0
46	100	LDR Unbiased	0.6	0.6	0
47	100	LDR Unbiased	0.6	0.6	0
48	100	LDR Unbiased	0.6	0.6	0
49	100	LDR Unbiased	0.6	0.6	0
50	100	LDR Unbiased	0.6	0.6	0
60	0	Correlation	0.6	0.6	0
61	0	Correlation	0.6	0.6	0
62	0	Correlation	0.6	0.6	0
63	0	Correlation	0.6	0.6	0
64	0	Correlation	0.6	0.6	0
65	0	Correlation	0.6	0.6	0

Test Statistics ()

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	0.6	0.6	0.6	0	0.6	0.6	0.6	0	0	0	0	0
3	0.6	0.6	0.6	0	0.6	0.6	0.6	0	0	0	0	0
10	0.6	0.6	0.6	0	0.6	0.6	0.6	0	0	0	0	0
30	0.6	0.6	0.6	0	0.6	0.6	0.6	0	0	0	0	0
50	0.6	0.6	0.6	0	0.6	0.6	0.6	0	0	0	0	0
100	0.6	0.6	0.6	0	0.6	0.6	0.6	0	0	0	0	0

Device Test: 24.132 _TIMING|CLKDETECT/SYNC1/14//511k//@T_CLOCK_DET





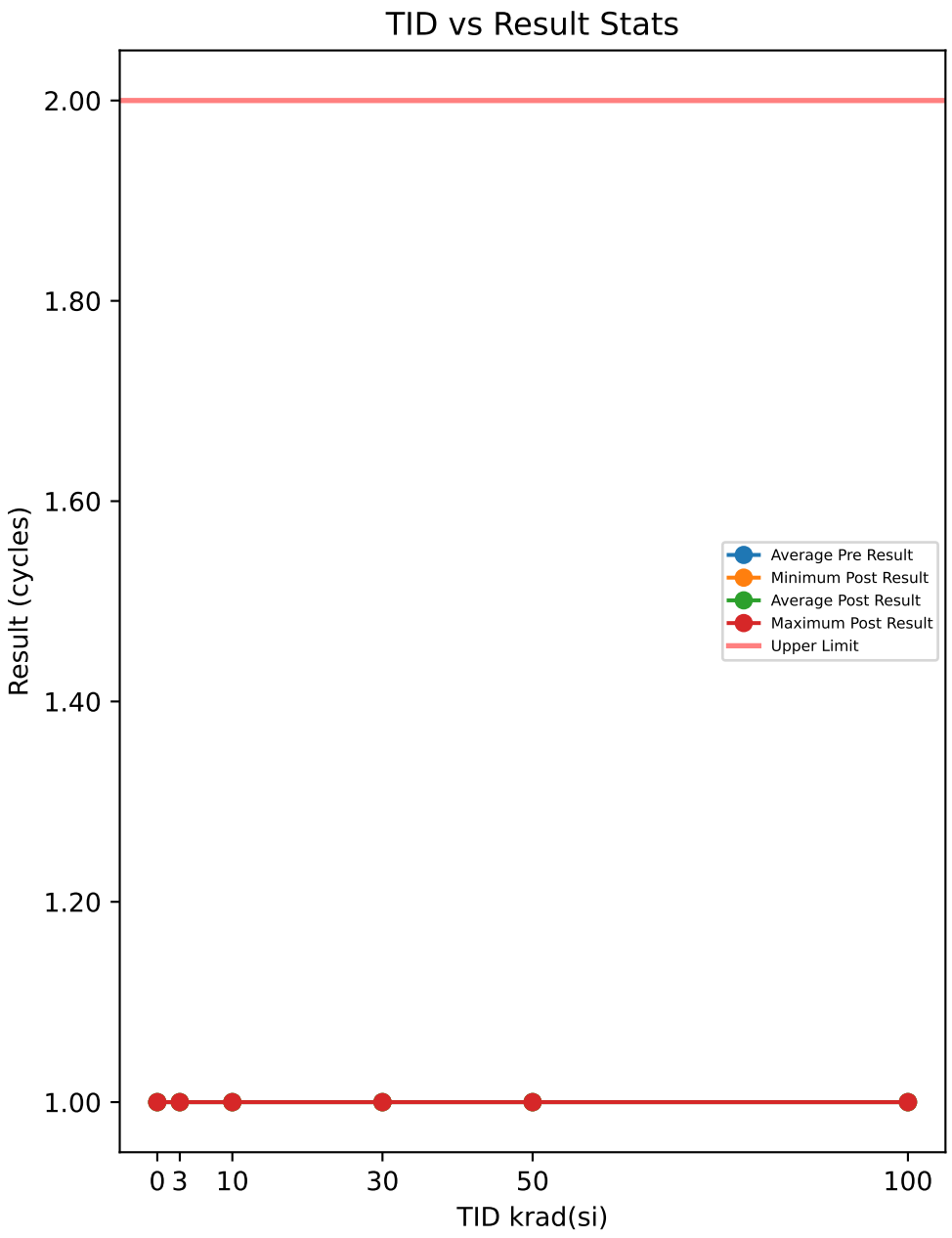
Test Results (Upper Limit = 5.0 (cycles))

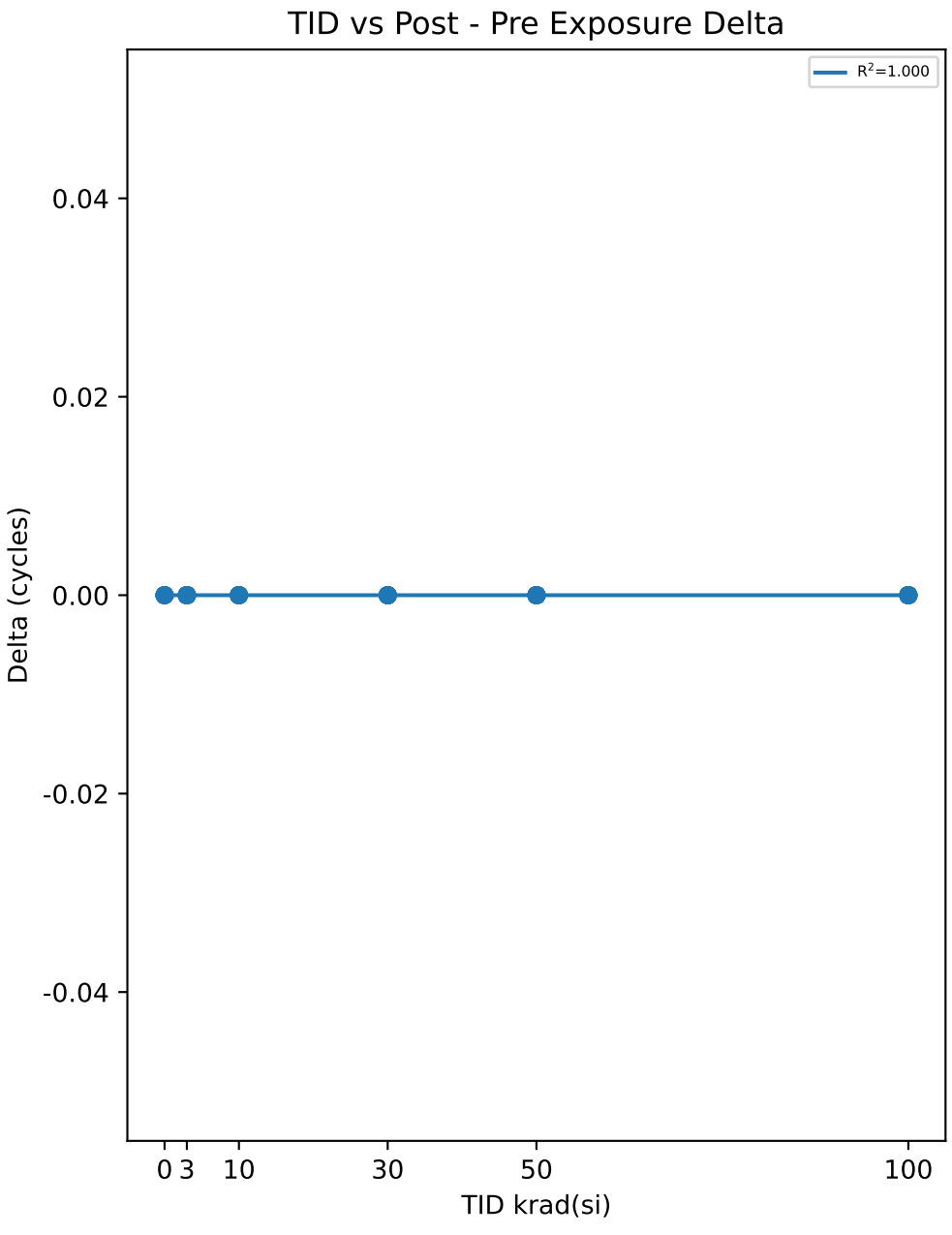
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	LDR Biased	3.1838	3.7049	0.5211
2	3	LDR Biased	3.6448	3.6425	-0.0023
3	3	LDR Biased	3.6561	3.6466	-0.0095
4	3	LDR Biased	3.5634	3.4085	-0.1549
5	3	LDR Biased	3.753	3.5175	-0.2355
6	10	LDR Biased	3.5942	3.5308	-0.0634
7	10	LDR Biased	3.5794	3.6361	0.0567
8	10	LDR Biased	3.7761	3.5025	-0.2736
9	10	LDR Biased	3.5251	3.6197	0.0946
10	10	LDR Biased	3.5743	3.6119	0.0376
11	30	LDR Biased	3.267	3.5481	0.2811
12	30	LDR Biased	3.0641	3.6719	0.6078
13	30	LDR Biased	3.7166	3.6394	-0.0772
14	30	LDR Biased	3.6589	3.6673	0.0084
15	30	LDR Biased	3.1899	3.5825	0.3926
16	50	LDR Biased	3.5018	3.6375	0.1357
17	50	LDR Biased	3.4607	3.3832	-0.0775
18	50	LDR Biased	3.5646	3.1061	-0.4585
19	50	LDR Biased	3.6921	3.4428	-0.2493
20	50	LDR Biased	3.6737	3.8029	0.1292
21	100	LDR Biased	3.8019	3.6028	-0.1991
22	100	LDR Biased	1.2046	1.2986	0.094
23	100	LDR Biased	3.6006	3.5395	-0.0611
24	100	LDR Biased	3.5806	3.6396	0.059
25	100	LDR Biased	3.5981	1.3059	-2.2922
26	3	LDR Unbiased	3.4435	3.6231	0.1796
27	3	LDR Unbiased	3.379	3.1639	-0.2151
28	3	LDR Unbiased	3.5706	3.6954	0.1248
29	3	LDR Unbiased	3.0943	3.3165	0.2222
30	3	LDR Unbiased	3.4431	3.6746	0.2315
31	10	LDR Unbiased	3.8221	3.6373	-0.1848
32	10	LDR Unbiased	2.864	3.4675	0.6035
33	10	LDR Unbiased	3.6077	3.4795	-0.1282
34	10	LDR Unbiased	3.8101	3.6138	-0.1963
35	10	LDR Unbiased	3.052	3.661	0.609
36	30	LDR Unbiased	1.3574	1.4003	0.0429
37	30	LDR Unbiased	3.5579	3.4101	-0.1478
38	30	LDR Unbiased	3.131	3.6816	0.5506
39	30	LDR Unbiased	3.1789	3.8169	0.638
40	30	LDR Unbiased	3.5653	3.6934	0.1281
41	50	LDR Unbiased	3.6081	3.7606	0.1525
42	50	LDR Unbiased	3.5846	3.5667	-0.0179
43	50	LDR Unbiased	3.0271	1.2551	-1.772
44	50	LDR Unbiased	3.5223	3.3328	-0.1895
45	50	LDR Unbiased	3.553	3.3535	-0.1995
46	100	LDR Unbiased	3.5244	3.5153	-0.0091
47	100	LDR Unbiased	3.5665	1.1515	-2.415
48	100	LDR Unbiased	1.2031	1.6499	0.4468
49	100	LDR Unbiased	3.5863	3.4639	-0.1224
50	100	LDR Unbiased	3.6238	3.4641	-0.1597
60	0	Correlation	3.6322	3.6299	-0.0023
61	0	Correlation	3.4062	3.6462	0.24
62	0	Correlation	3.5116	3.4265	-0.0851
63	0	Correlation	3.2889	3.718	0.4291
64	0	Correlation	3.5435	3.7441	0.2006
65	0	Correlation	3.5491	3.6397	0.0906

Test Statistics (cycles)

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	3.2889	3.4886	3.6322	0.12206	3.4265	3.6341	3.7441	0.11174	-0.0851	0.14548	0.4291	0.18462
3	3.0943	3.4732	3.753	0.20997	3.1639	3.5394	3.7049	0.18482	-0.2355	0.06619	0.5211	0.23672
10	2.864	3.5205	3.8221	0.31799	3.4675	3.576	3.661	0.072841	-0.2736	0.05551	0.609	0.31373
30	1.3574	3.1687	3.7166	0.67927	1.4003	3.4112	3.8169	0.71451	-0.1478	0.24245	0.638	0.2927
50	3.0271	3.5188	3.6921	0.1871	1.2551	3.2641	3.8029	0.73694	-1.772	-0.25468	0.1525	0.56805
100	1.2031	3.129	3.8019	1.0173	1.1515	2.6631	3.6396	1.1367	-2.415	-0.46588	0.4468	1.0117

Device Test: 24.133 _TIMING|CLKDETECT/SYNC1/14//511k//@T_CLOCK_DET_EXT





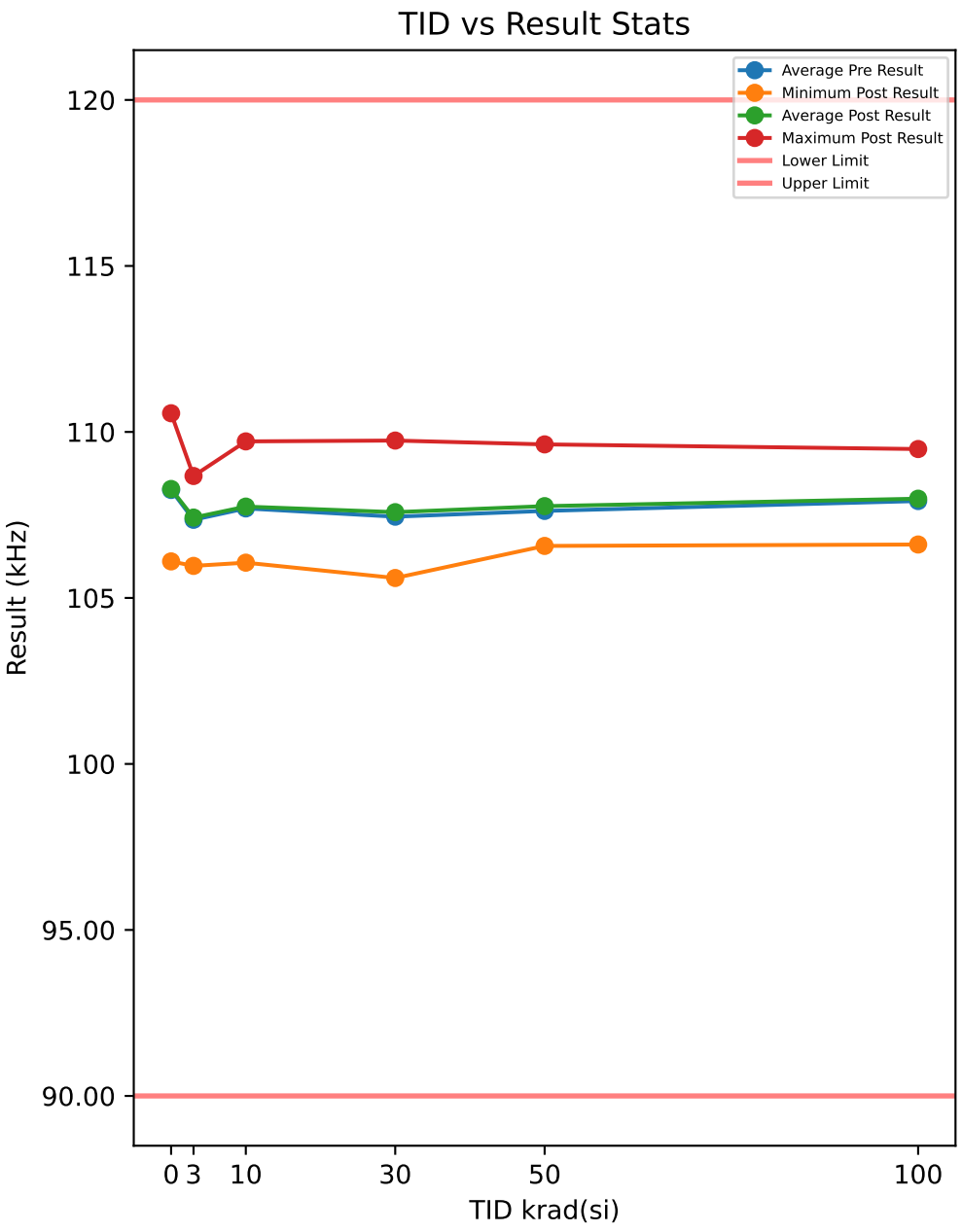
Test Results (Upper Limit = 2.0 (cycles))

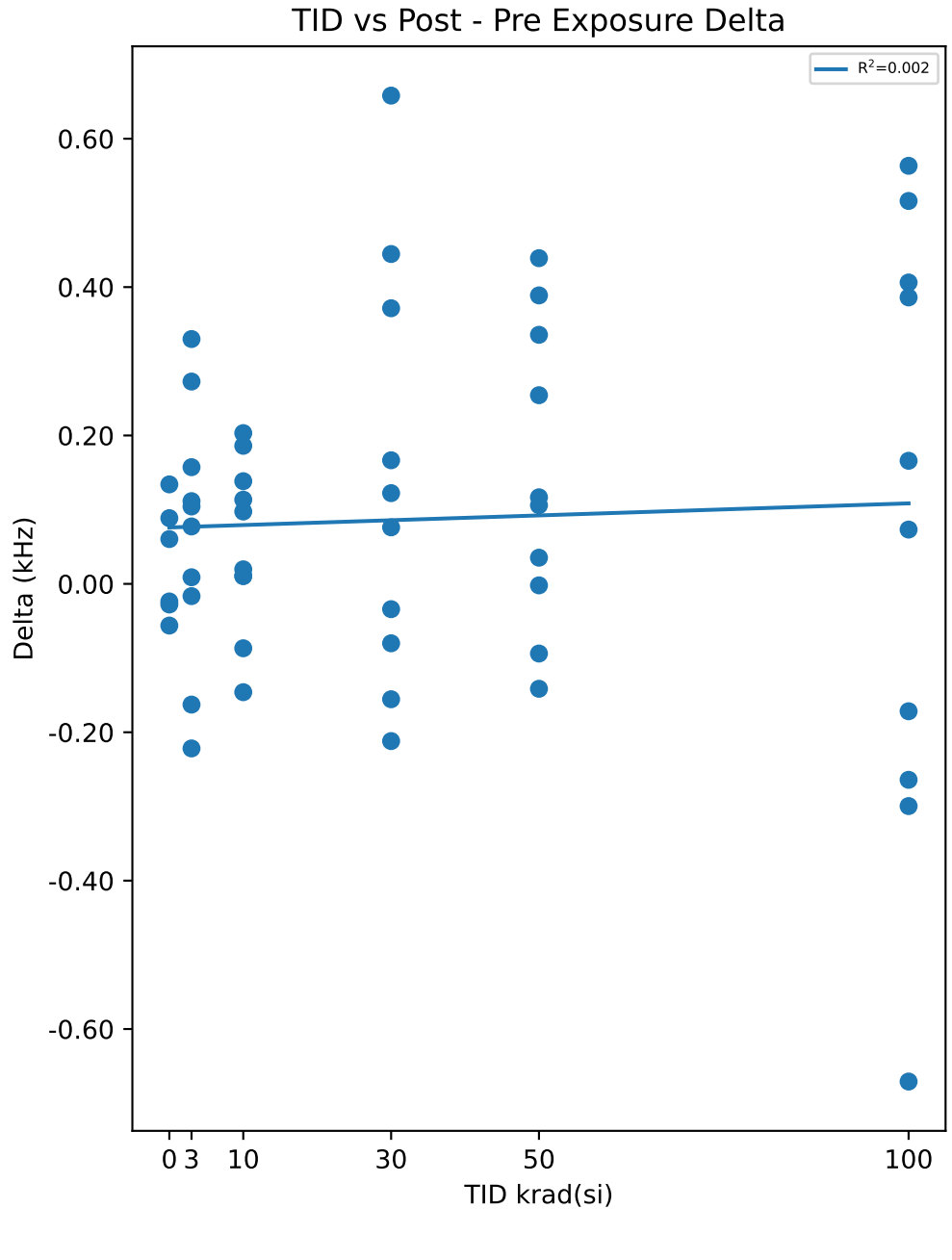
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	LDR Biased	1	1	0
2	3	LDR Biased	1	1	0
3	3	LDR Biased	1	1	0
4	3	LDR Biased	1	1	0
5	3	LDR Biased	1	1	0
6	10	LDR Biased	1	1	0
7	10	LDR Biased	1	1	0
8	10	LDR Biased	1	1	0
9	10	LDR Biased	1	1	0
10	10	LDR Biased	1	1	0
11	30	LDR Biased	1	1	0
12	30	LDR Biased	1	1	0
13	30	LDR Biased	1	1	0
14	30	LDR Biased	1	1	0
15	30	LDR Biased	1	1	0
16	50	LDR Biased	1	1	0
17	50	LDR Biased	1	1	0
18	50	LDR Biased	1	1	0
19	50	LDR Biased	1	1	0
20	50	LDR Biased	1	1	0
21	100	LDR Biased	1	1	0
22	100	LDR Biased	1	1	0
23	100	LDR Biased	1	1	0
24	100	LDR Biased	1	1	0
25	100	LDR Biased	1	1	0
26	3	LDR Unbiased	1	1	0
27	3	LDR Unbiased	1	1	0
28	3	LDR Unbiased	1	1	0
29	3	LDR Unbiased	1	1	0
30	3	LDR Unbiased	1	1	0
31	10	LDR Unbiased	1	1	0
32	10	LDR Unbiased	1	1	0
33	10	LDR Unbiased	1	1	0
34	10	LDR Unbiased	1	1	0
35	10	LDR Unbiased	1	1	0
36	30	LDR Unbiased	1	1	0
37	30	LDR Unbiased	1	1	0
38	30	LDR Unbiased	1	1	0
39	30	LDR Unbiased	1	1	0
40	30	LDR Unbiased	1	1	0
41	50	LDR Unbiased	1	1	0
42	50	LDR Unbiased	1	1	0
43	50	LDR Unbiased	1	1	0
44	50	LDR Unbiased	1	1	0
45	50	LDR Unbiased	1	1	0
46	100	LDR Unbiased	1	1	0
47	100	LDR Unbiased	1	1	0
48	100	LDR Unbiased	1	1	0
49	100	LDR Unbiased	1	1	0
50	100	LDR Unbiased	1	1	0
60	0	Correlation	1	1	0
61	0	Correlation	1	1	0
62	0	Correlation	1	1	0
63	0	Correlation	1	1	0
64	0	Correlation	1	1	0
65	0	Correlation	1	1	0

Test Statistics (cycles)

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	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	1	1	0	1	1	1	0	0	0	0	0
3	1	1	1	0	1	1	1	0	0	0	0	0
10	1	1	1	0	1	1	1	0	0	0	0	0
30	1	1	1	0	1	1	1	0	0	0	0	0
50	1	1	1	0	1	1	1	0	0	0	0	0
100	1	1	1	0	1	1	1	0	0	0	0	0

Device Test: 24.134 _FREQ|100kHz/SYNC1/14//511k//@EXT_SET_FREQ_100KHZ_14V





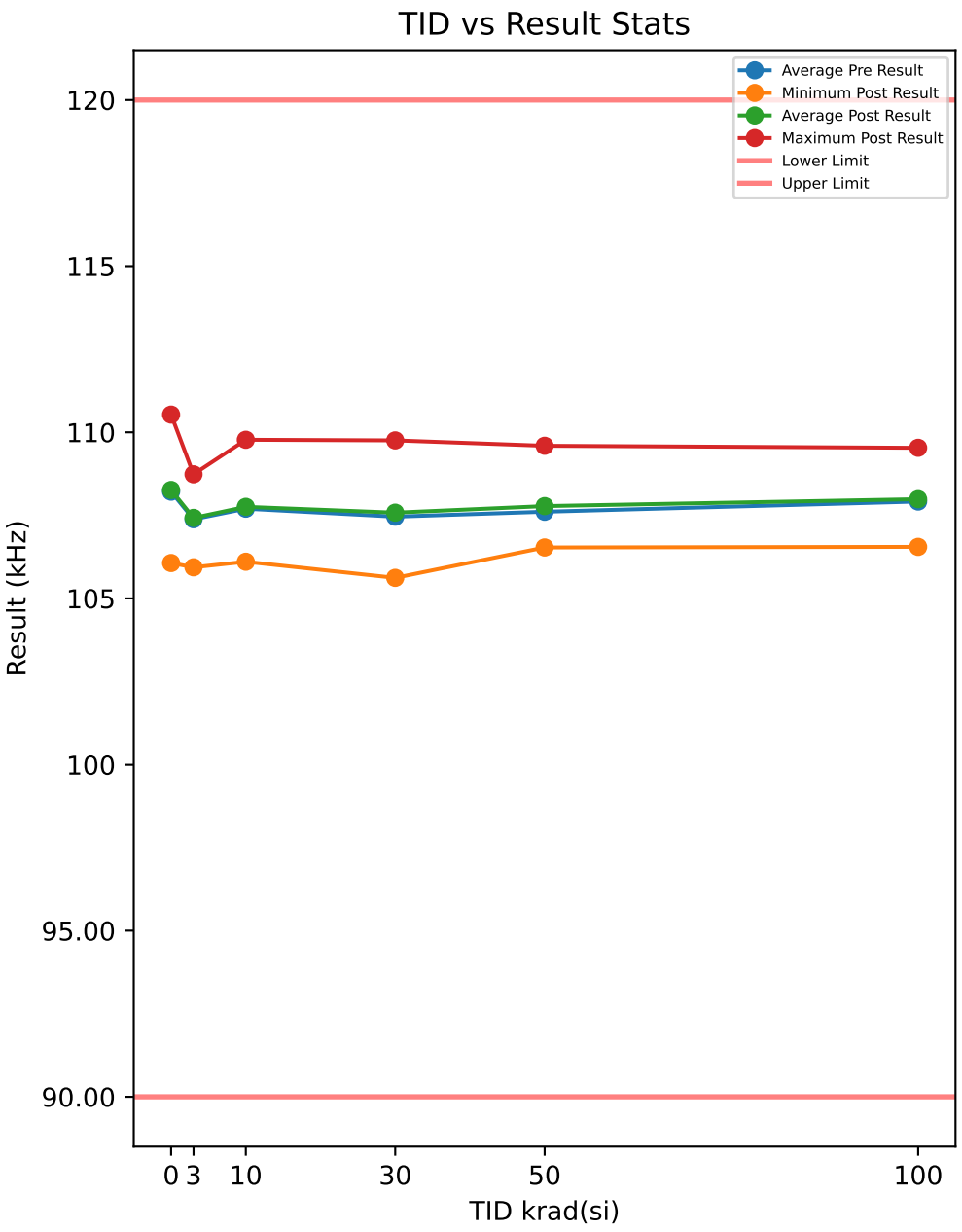
Test Results (Lower Limit = 90.0, Upper Limit = 120.0 (kHz))

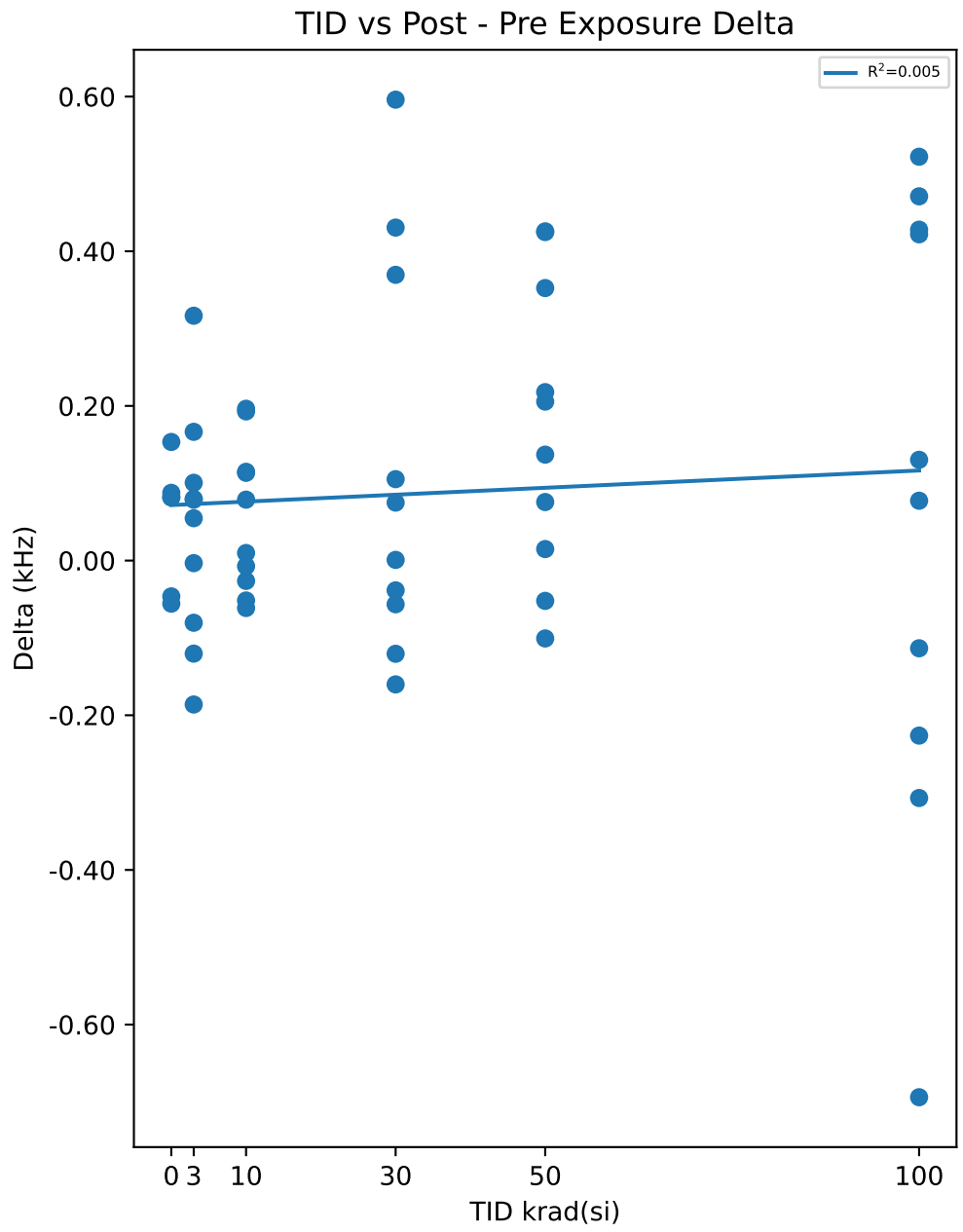
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	LDR Biased	106.89	107.01	0.1115
2	3	LDR Biased	108.18	108.19	0.0089
3	3	LDR Biased	108.34	108.67	0.33
4	3	LDR Biased	107.38	107.65	0.2727
5	3	LDR Biased	107.43	107.26	-0.1627
6	10	LDR Biased	109.8	109.72	-0.0868
7	10	LDR Biased	106.16	106.17	0.0106
8	10	LDR Biased	108.81	108.83	0.0196
9	10	LDR Biased	106.21	106.06	-0.146
10	10	LDR Biased	107.11	107.29	0.1861
11	30	LDR Biased	105.85	106.51	0.6581
12	30	LDR Biased	109.3	109.74	0.4446
13	30	LDR Biased	107.98	107.83	-0.1555
14	30	LDR Biased	108.67	108.79	0.1223
15	30	LDR Biased	105.63	105.6	-0.0341
16	50	LDR Biased	108.87	109.13	0.2543
17	50	LDR Biased	106.57	106.57	-0.002
18	50	LDR Biased	106.97	107	0.0353
19	50	LDR Biased	106.54	106.64	0.106
20	50	LDR Biased	107.95	108.29	0.3357
21	100	LDR Biased	107.42	107.98	0.5635
22	100	LDR Biased	107.84	107.67	-0.1717
23	100	LDR Biased	109.08	109.48	0.4062
24	100	LDR Biased	107.58	108.1	0.5161
25	100	LDR Biased	107.64	107.71	0.0732
26	3	LDR Unbiased	106.19	106.29	0.1043
27	3	LDR Unbiased	107.11	106.89	-0.2218
28	3	LDR Unbiased	107.72	107.8	0.0774
29	3	LDR Unbiased	108.31	108.47	0.1573
30	3	LDR Unbiased	105.98	105.97	-0.0165
31	10	LDR Unbiased	109.1	109.11	0.0106
32	10	LDR Unbiased	107.45	107.65	0.2032
33	10	LDR Unbiased	108.57	108.66	0.0975
34	10	LDR Unbiased	107.26	107.4	0.1384
35	10	LDR Unbiased	106.49	106.6	0.1135
36	30	LDR Unbiased	107.63	107.79	0.1666
37	30	LDR Unbiased	108.38	108.17	-0.2119
38	30	LDR Unbiased	106.46	106.84	0.3715
39	30	LDR Unbiased	105.72	105.64	-0.0801
40	30	LDR Unbiased	108.85	108.93	0.0762
41	50	LDR Unbiased	107.74	107.65	-0.0939
42	50	LDR Unbiased	107.31	107.17	-0.1414
43	50	LDR Unbiased	108.32	108.44	0.1167
44	50	LDR Unbiased	109.19	109.63	0.439
45	50	LDR Unbiased	106.75	107.14	0.3888
46	100	LDR Unbiased	108.83	109.22	0.3861
47	100	LDR Unbiased	107.7	107.44	-0.2641
48	100	LDR Unbiased	108.45	107.78	-0.6708
49	100	LDR Unbiased	106.44	106.61	0.1659
50	100	LDR Unbiased	108.21	107.91	-0.2995
60	0	Correlation	108.43	108.4	-0.0278
61	0	Correlation	108.26	108.35	0.0886
62	0	Correlation	106.16	106.1	-0.0562
63	0	Correlation	107.76	107.73	-0.0237
64	0	Correlation	110.43	110.56	0.1341
65	0	Correlation	108.48	108.54	0.0604

Test Statistics (kHz)

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	106.16	108.25	110.43	1.3754	106.1	108.28	110.56	1.4387	-0.0562	0.029233	0.1341	0.075956
3	105.98	107.35	108.34	0.83226	105.97	107.42	108.67	0.90221	-0.2218	0.06611	0.33	0.17308
10	106.16	107.7	109.8	1.2921	106.06	107.75	109.72	1.2784	-0.146	0.05467	0.2032	0.11404
30	105.63	107.45	109.3	1.408	105.6	107.58	109.74	1.4055	-0.2119	0.13577	0.6581	0.2808
50	106.54	107.62	109.19	0.95469	106.57	107.76	109.63	1.0585	-0.1414	0.14385	0.439	0.20255
100	106.44	107.92	109.08	0.76168	106.61	107.99	109.48	0.83013	-0.6708	0.07049	0.5635	0.41097

Device Test: 24.135 _FREQ|100kHz/SYNC2/14//511k//@EXT_SET_FREQ_100KHZ_14V





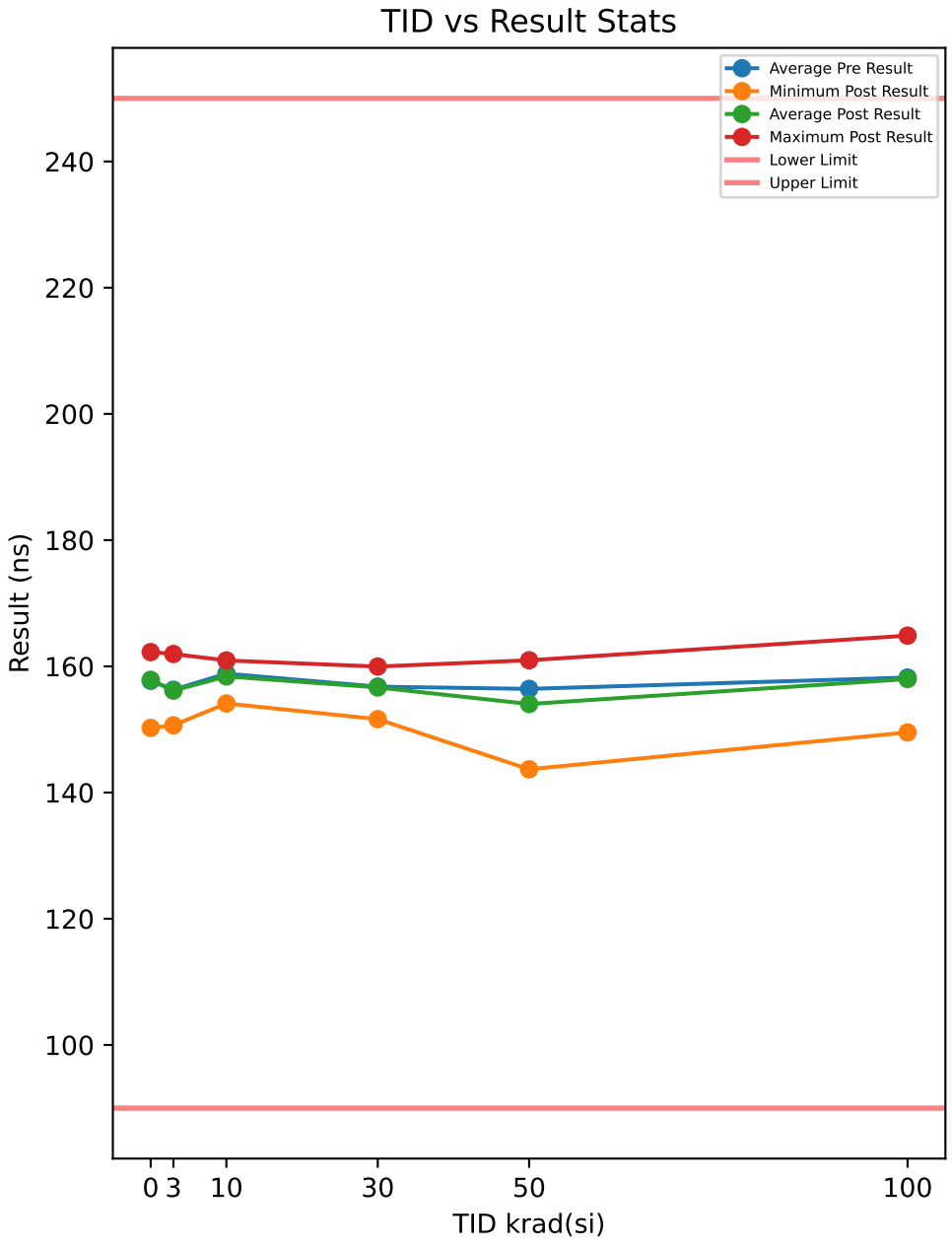
Test Results (Lower Limit = 90.0, Upper Limit = 120.0 (kHz))

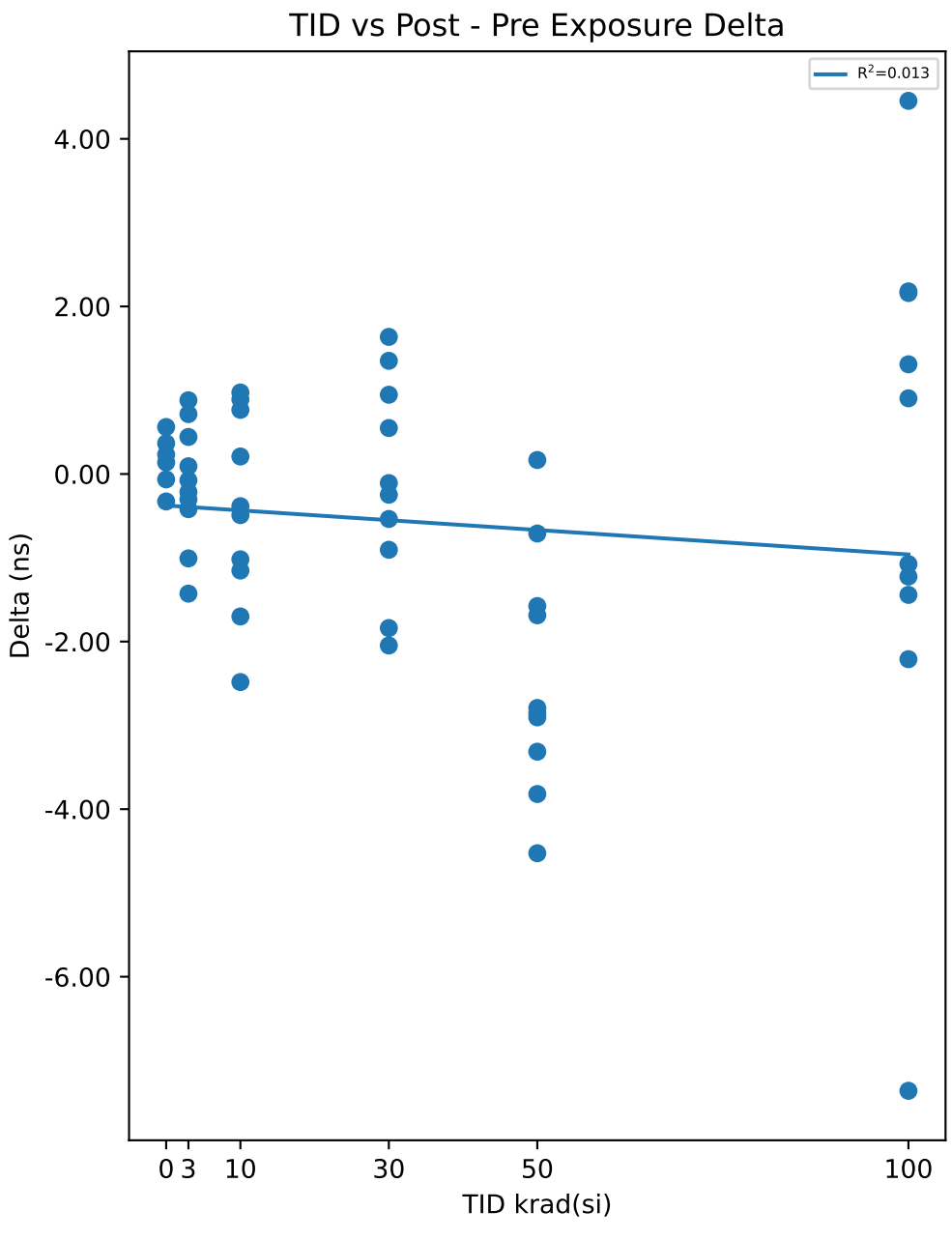
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	LDR Biased	106.93	107.01	0.0799
2	3	LDR Biased	108.16	108.16	-0.0033
3	3	LDR Biased	108.42	108.74	0.3166
4	3	LDR Biased	107.45	107.62	0.1665
5	3	LDR Biased	107.4	107.28	-0.1203
6	10	LDR Biased	109.8	109.77	-0.0263
7	10	LDR Biased	106.17	106.1	-0.0613
8	10	LDR Biased	108.84	108.83	-0.0072
9	10	LDR Biased	106.16	106.11	-0.0516
10	10	LDR Biased	107.18	107.29	0.1135
11	30	LDR Biased	105.88	106.48	0.596
12	30	LDR Biased	109.33	109.76	0.4306
13	30	LDR Biased	107.95	107.89	-0.0565
14	30	LDR Biased	108.7	108.77	0.075
15	30	LDR Biased	105.62	105.62	0.0009
16	50	LDR Biased	108.91	109.12	0.2056
17	50	LDR Biased	106.59	106.53	-0.0521
18	50	LDR Biased	106.88	107.1	0.2178
19	50	LDR Biased	106.54	106.62	0.0757
20	50	LDR Biased	107.93	108.35	0.4248
21	100	LDR Biased	107.41	107.93	0.5222
22	100	LDR Biased	107.82	107.71	-0.1134
23	100	LDR Biased	109.11	109.53	0.4219
24	100	LDR Biased	107.63	108.1	0.471
25	100	LDR Biased	107.66	107.73	0.0774
26	3	LDR Unbiased	106.21	106.29	0.0787
27	3	LDR Unbiased	107.1	106.92	-0.1861
28	3	LDR Unbiased	107.73	107.79	0.0548
29	3	LDR Unbiased	108.4	108.5	0.1006
30	3	LDR Unbiased	106.02	105.94	-0.0804
31	10	LDR Unbiased	109.09	109.2	0.1148
32	10	LDR Unbiased	107.5	107.57	0.0788
33	10	LDR Unbiased	108.57	108.58	0.0098
34	10	LDR Unbiased	107.21	107.41	0.1929
35	10	LDR Unbiased	106.49	106.68	0.1963
36	30	LDR Unbiased	107.65	107.75	0.1053
37	30	LDR Unbiased	108.34	108.18	-0.1601
38	30	LDR Unbiased	106.46	106.83	0.3695
39	30	LDR Unbiased	105.76	105.64	-0.1205
40	30	LDR Unbiased	108.92	108.88	-0.0385
41	50	LDR Unbiased	107.7	107.6	-0.1007
42	50	LDR Unbiased	107.22	107.23	0.0149
43	50	LDR Unbiased	108.35	108.48	0.137
44	50	LDR Unbiased	109.17	109.59	0.4257
45	50	LDR Unbiased	106.8	107.15	0.3524
46	100	LDR Unbiased	108.79	109.22	0.4279
47	100	LDR Unbiased	107.65	107.42	-0.2263
48	100	LDR Unbiased	108.46	107.76	-0.6939
49	100	LDR Unbiased	106.42	106.55	0.1303
50	100	LDR Unbiased	108.22	107.91	-0.307
60	0	Correlation	108.41	108.36	-0.0557
61	0	Correlation	108.21	108.36	0.1534
62	0	Correlation	106.11	106.06	-0.0463
63	0	Correlation	107.61	107.7	0.0876
64	0	Correlation	110.45	110.53	0.0816
65	0	Correlation	108.48	108.57	0.082

Test Statistics (kHz)

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	106.11	108.21	110.45	1.407	106.06	108.26	110.53	1.4428	-0.0557	0.050433	0.1534	0.083154
3	106.02	107.38	108.42	0.84079	105.94	107.42	108.74	0.9149	-0.1861	0.0407	0.3166	0.14632
10	106.16	107.7	109.8	1.2972	106.1	107.76	109.77	1.2896	-0.0613	0.05597	0.1963	0.096579
30	105.62	107.46	109.33	1.4126	105.62	107.58	109.76	1.4034	-0.1601	0.12017	0.596	0.25697
50	106.54	107.61	109.17	0.96009	106.53	107.78	109.59	1.0534	-0.1007	0.17011	0.4257	0.18967
100	106.42	107.92	109.11	0.76794	106.55	107.99	109.53	0.85041	-0.6939	0.07101	0.5222	0.40387

Device Test: 24.136 _TIMING|DELAY/SYNC1/14//511k//@SYNC1_SW_DELAY_OUTPUT





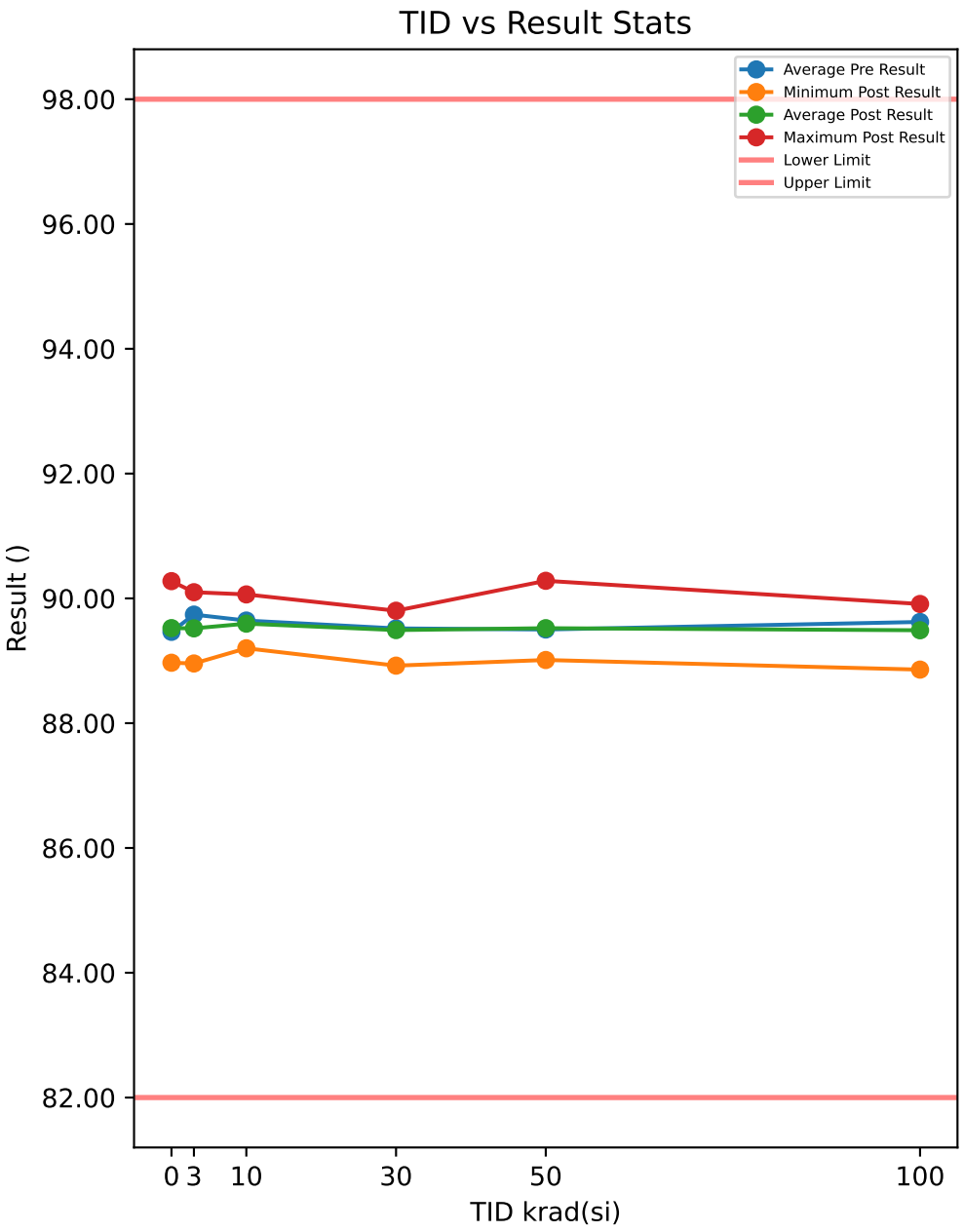
Test Results (Lower Limit = 90.0, Upper Limit = 250.0 (ns))

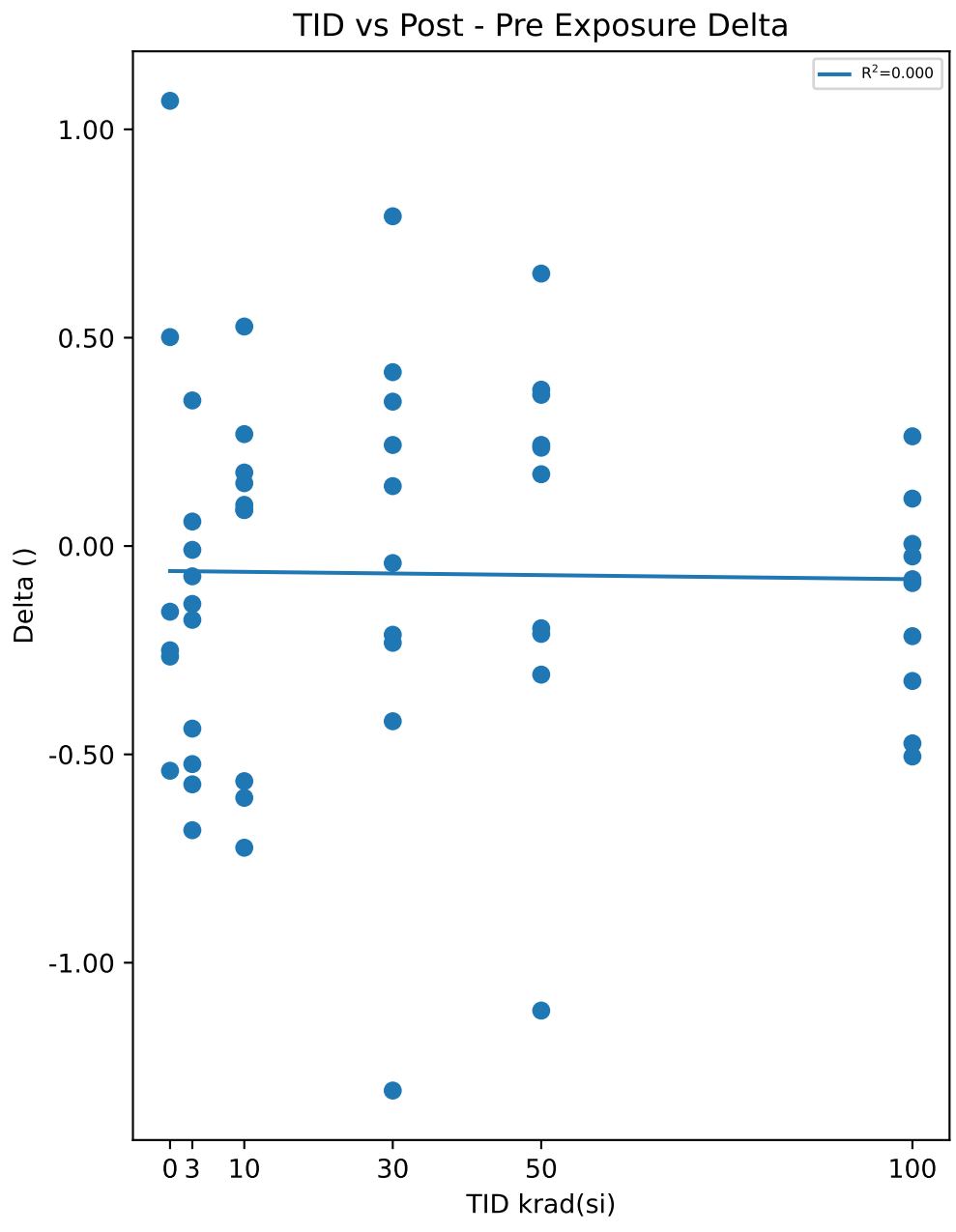
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	LDR Biased	162.38	161.96	-0.4198
2	3	LDR Biased	157.16	157.6	0.4422
3	3	LDR Biased	150.95	150.65	-0.3036
4	3	LDR Biased	162.03	160.6	-1.4279
5	3	LDR Biased	151.32	152.03	0.715
6	10	LDR Biased	161.32	160.93	-0.3844
7	10	LDR Biased	162.19	160.49	-1.7005
8	10	LDR Biased	155.79	155.3	-0.4906
9	10	LDR Biased	158.76	159.73	0.9727
10	10	LDR Biased	161.35	160.19	-1.152
11	30	LDR Biased	157.7	155.86	-1.8384
12	30	LDR Biased	157.62	158.17	0.5485
13	30	LDR Biased	154.89	154.65	-0.2474
14	30	LDR Biased	157.91	157.8	-0.1087
15	30	LDR Biased	158.33	159.97	1.6365
16	50	LDR Biased	156.03	156.2	0.1673
17	50	LDR Biased	156.65	153.34	-3.3143
18	50	LDR Biased	146.59	143.69	-2.9043
19	50	LDR Biased	154.98	153.4	-1.5762
20	50	LDR Biased	156.05	152.24	-3.8193
21	100	LDR Biased	162.7	164.86	2.1602
22	100	LDR Biased	164.11	162.67	-1.4428
23	100	LDR Biased	158.53	162.99	4.4537
24	100	LDR Biased	158.54	159.44	0.9032
25	100	LDR Biased	151.06	153.24	2.1794
26	3	LDR Unbiased	152.36	153.24	0.8802
27	3	LDR Unbiased	159.8	159.9	0.0922
28	3	LDR Unbiased	157.16	156.95	-0.2144
29	3	LDR Unbiased	153.59	153.52	-0.0752
30	3	LDR Unbiased	156.11	155.1	-1.0073
31	10	LDR Unbiased	160.64	160.85	0.2087
32	10	LDR Unbiased	161.31	158.82	-2.4833
33	10	LDR Unbiased	153.22	154.11	0.8907
34	10	LDR Unbiased	155.91	154.89	-1.0185
35	10	LDR Unbiased	157.95	158.72	0.7656
36	30	LDR Unbiased	152.53	151.63	-0.9045
37	30	LDR Unbiased	157.29	156.76	-0.5368
38	30	LDR Unbiased	158.67	156.63	-2.0469
39	30	LDR Unbiased	158.19	159.54	1.3507
40	30	LDR Unbiased	154.66	155.61	0.9459
41	50	LDR Unbiased	163.81	160.96	-2.853
42	50	LDR Unbiased	160.33	158.65	-1.6864
43	50	LDR Unbiased	158.21	153.69	-4.5262
44	50	LDR Unbiased	157.77	154.98	-2.7925
45	50	LDR Unbiased	153.87	153.16	-0.7103
46	100	LDR Unbiased	158.85	157.62	-1.2239
47	100	LDR Unbiased	159.57	157.36	-2.2102
48	100	LDR Unbiased	156.89	149.53	-7.3614
49	100	LDR Unbiased	156.94	158.25	1.3092
50	100	LDR Unbiased	154.98	153.91	-1.0747
60	0	Correlation	152.76	153.33	0.5606
61	0	Correlation	150.31	150.24	-0.0644
62	0	Correlation	158.95	159.18	0.2318
63	0	Correlation	162.59	162.26	-0.3279
64	0	Correlation	160.28	160.64	0.3666
65	0	Correlation	161.39	161.53	0.138

Test Statistics (ns)

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	150.31	157.71	162.59	4.9939	150.24	157.86	162.26	4.9167	-0.3279	0.15078	0.5606	0.31518
3	150.95	156.29	162.38	4.2143	150.65	156.16	161.96	3.8592	-1.4279	-0.13186	0.8802	0.72186
10	153.22	158.84	162.19	3.0397	154.11	158.4	160.93	2.631	-2.4833	-0.43916	0.9727	1.1668
30	152.53	156.78	158.67	2.0317	151.63	156.66	159.97	2.4483	-2.0469	-0.12011	1.6365	1.2606
50	146.59	156.43	163.81	4.4784	143.69	154.03	160.96	4.5565	-4.5262	-2.4015	0.1673	1.4383
100	151.06	158.22	164.11	3.6879	149.53	157.99	164.86	4.8035	-7.3614	-0.23073	4.4537	3.2499

Device Test: 24.137 _TIMING|PHASESHIFT/SYNC1/14//511k//@SYNC_PH_SHIFT





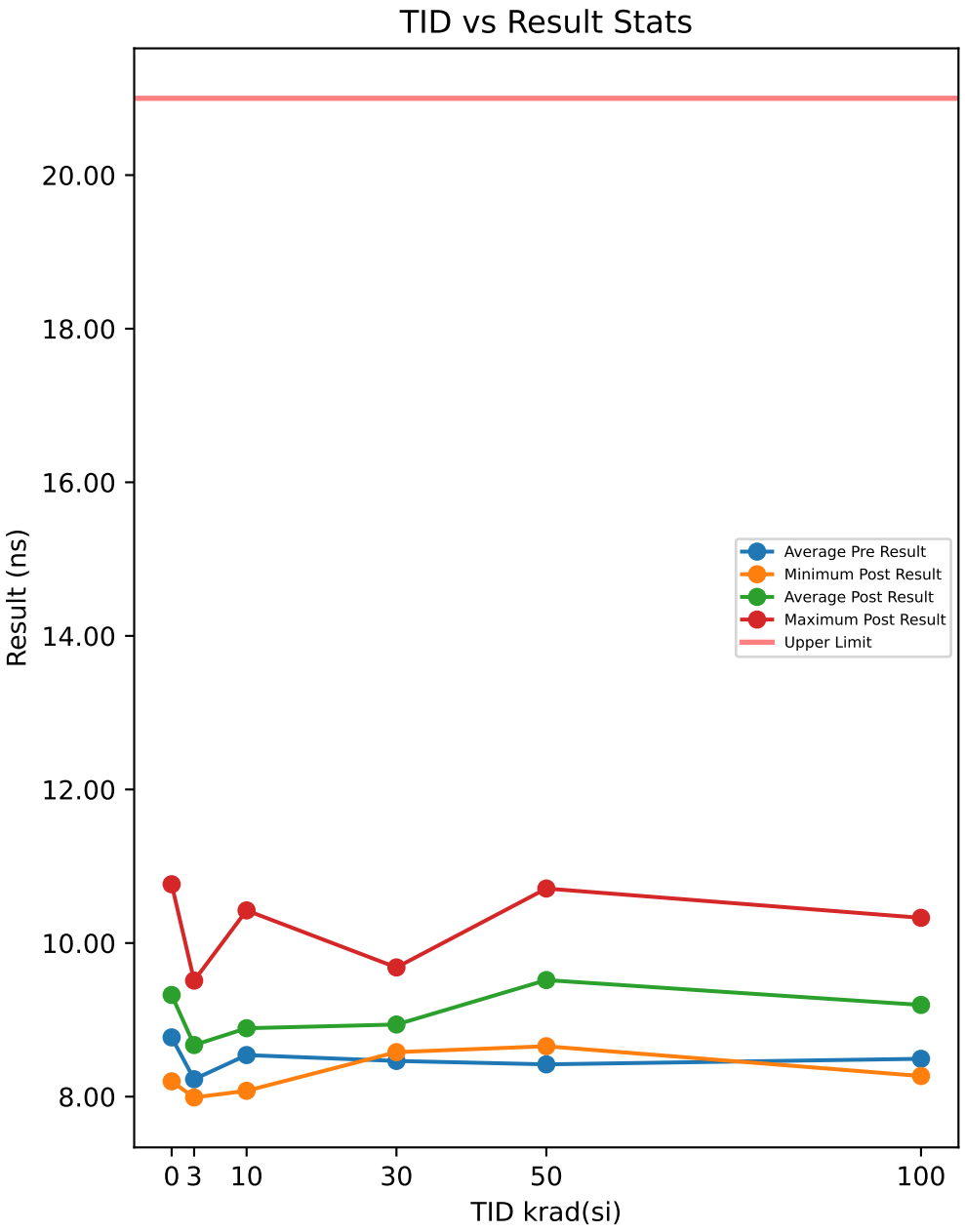
Test Results (Lower Limit = 82.0, Upper Limit = 98.0 ())

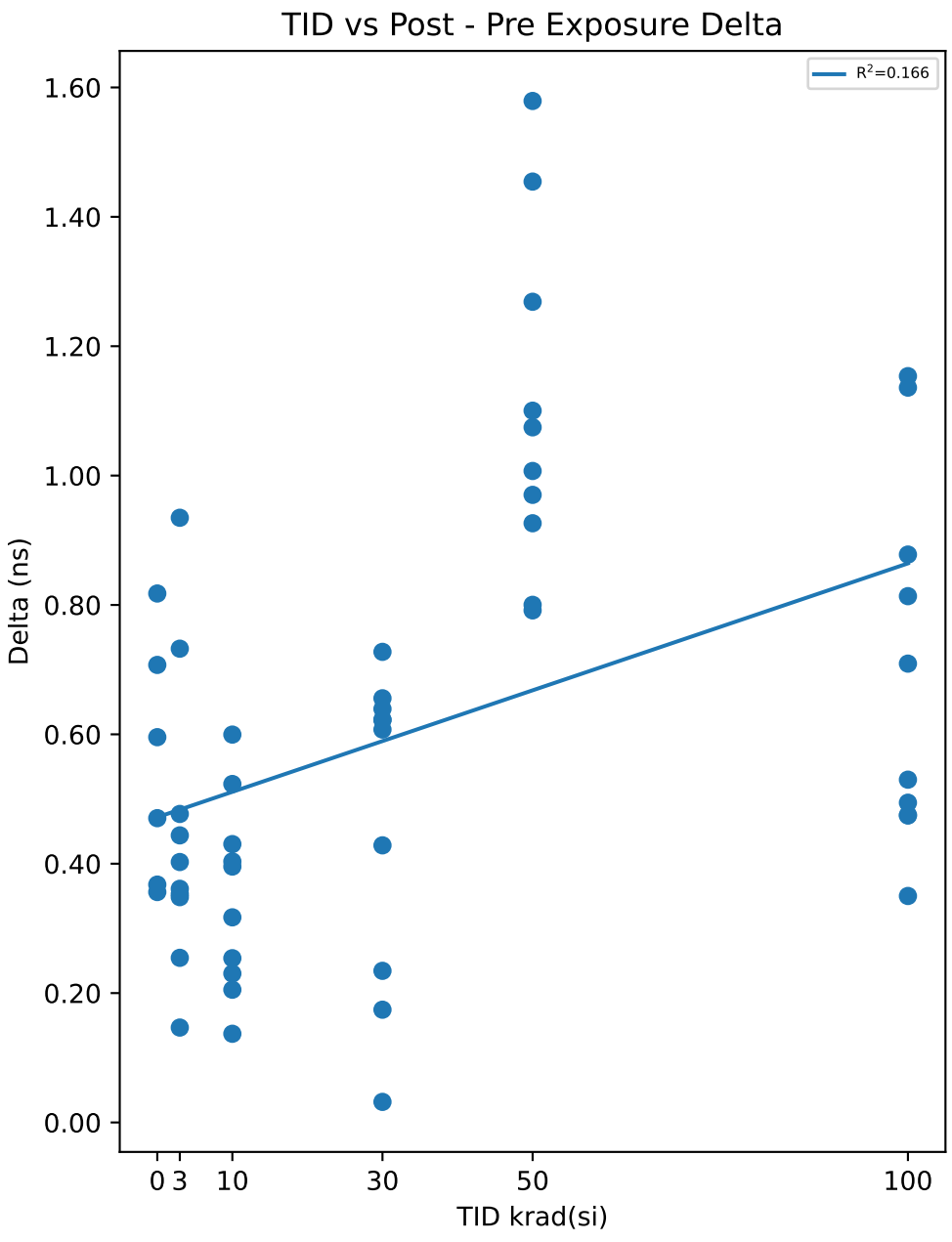
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	LDR Biased	89.939	89.501	-0.4382
2	3	LDR Biased	89.749	90.099	0.3494
3	3	LDR Biased	89.729	89.656	-0.0727
4	3	LDR Biased	89.639	88.957	-0.682
5	3	LDR Biased	90.004	89.432	-0.5719
6	10	LDR Biased	90.355	89.75	-0.6043
7	10	LDR Biased	89.415	89.591	0.1764
8	10	LDR Biased	89.68	89.778	0.0988
9	10	LDR Biased	89.312	89.398	0.0863
10	10	LDR Biased	89.503	89.771	0.2686
11	30	LDR Biased	89.816	89.775	-0.0409
12	30	LDR Biased	89.566	89.333	-0.2323
13	30	LDR Biased	89.46	89.04	-0.4205
14	30	LDR Biased	89.582	89.369	-0.2129
15	30	LDR Biased	89.56	89.802	0.2425
16	50	LDR Biased	89.493	89.184	-0.3086
17	50	LDR Biased	89.265	89.627	0.3629
18	50	LDR Biased	89.459	89.834	0.3752
19	50	LDR Biased	90.127	89.013	-1.1149
20	50	LDR Biased	89.449	89.692	0.2426
21	100	LDR Biased	89.704	89.624	-0.0796
22	100	LDR Biased	89.647	89.91	0.2633
23	100	LDR Biased	89.485	89.46	-0.0249
24	100	LDR Biased	89.707	89.821	0.1138
25	100	LDR Biased	88.947	88.858	-0.0888
26	3	LDR Unbiased	89.456	89.279	-0.1771
27	3	LDR Unbiased	89.704	89.565	-0.139
28	3	LDR Unbiased	89.468	89.527	0.0588
29	3	LDR Unbiased	89.505	89.496	-0.0092
30	3	LDR Unbiased	90.206	89.683	-0.5233
31	10	LDR Unbiased	89.464	89.551	0.0867
32	10	LDR Unbiased	89.429	89.579	0.1508
33	10	LDR Unbiased	89.924	89.2	-0.724
34	10	LDR Unbiased	89.83	89.266	-0.5643
35	10	LDR Unbiased	89.537	90.064	0.5268
36	30	LDR Unbiased	90.229	88.922	-1.3068
37	30	LDR Unbiased	89.296	89.713	0.4173
38	30	LDR Unbiased	89.41	89.554	0.1438
39	30	LDR Unbiased	89.305	89.651	0.3465
40	30	LDR Unbiased	88.966	89.758	0.7914
41	50	LDR Unbiased	89.132	89.368	0.236
42	50	LDR Unbiased	89.488	89.278	-0.2109
43	50	LDR Unbiased	89.286	89.458	0.1723
44	50	LDR Unbiased	89.628	90.282	0.6539
45	50	LDR Unbiased	89.685	89.488	-0.1973
46	100	LDR Unbiased	89.82	89.825	0.0051
47	100	LDR Unbiased	89.574	89.25	-0.3239
48	100	LDR Unbiased	89.691	89.474	-0.2163
49	100	LDR Unbiased	89.906	89.433	-0.4736
50	100	LDR Unbiased	89.74	89.235	-0.5051
60	0	Correlation	89.234	88.969	-0.2653
61	0	Correlation	89.779	89.239	-0.5393
62	0	Correlation	89.434	89.184	-0.2502
63	0	Correlation	89.208	90.276	1.0685
64	0	Correlation	89.781	89.624	-0.1576
65	0	Correlation	89.347	89.848	0.5014

Test Statistics ()

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	89.208	89.464	89.781	0.25807	88.969	89.523	90.276	0.4871	-0.5393	0.059583	1.0685	0.6034
3	89.456	89.74	90.206	0.24672	88.957	89.519	90.099	0.29187	-0.682	-0.22052	0.3494	0.32547
10	89.312	89.645	90.355	0.31497	89.2	89.595	90.064	0.26109	-0.724	-0.04982	0.5268	0.42311
30	88.966	89.519	90.229	0.33603	88.922	89.492	89.802	0.3153	-1.3068	-0.02719	0.7914	0.57524
50	89.132	89.501	90.127	0.27601	89.013	89.522	90.282	0.36167	-1.1149	0.02112	0.6539	0.50127
100	88.947	89.622	89.906	0.26449	88.858	89.489	89.91	0.32362	-0.5051	-0.133	0.2633	0.24752

Device Test: 24.138 _TIMING|RISE/SYNC1/14//511k//@SYNC_LH_RISE_TIME





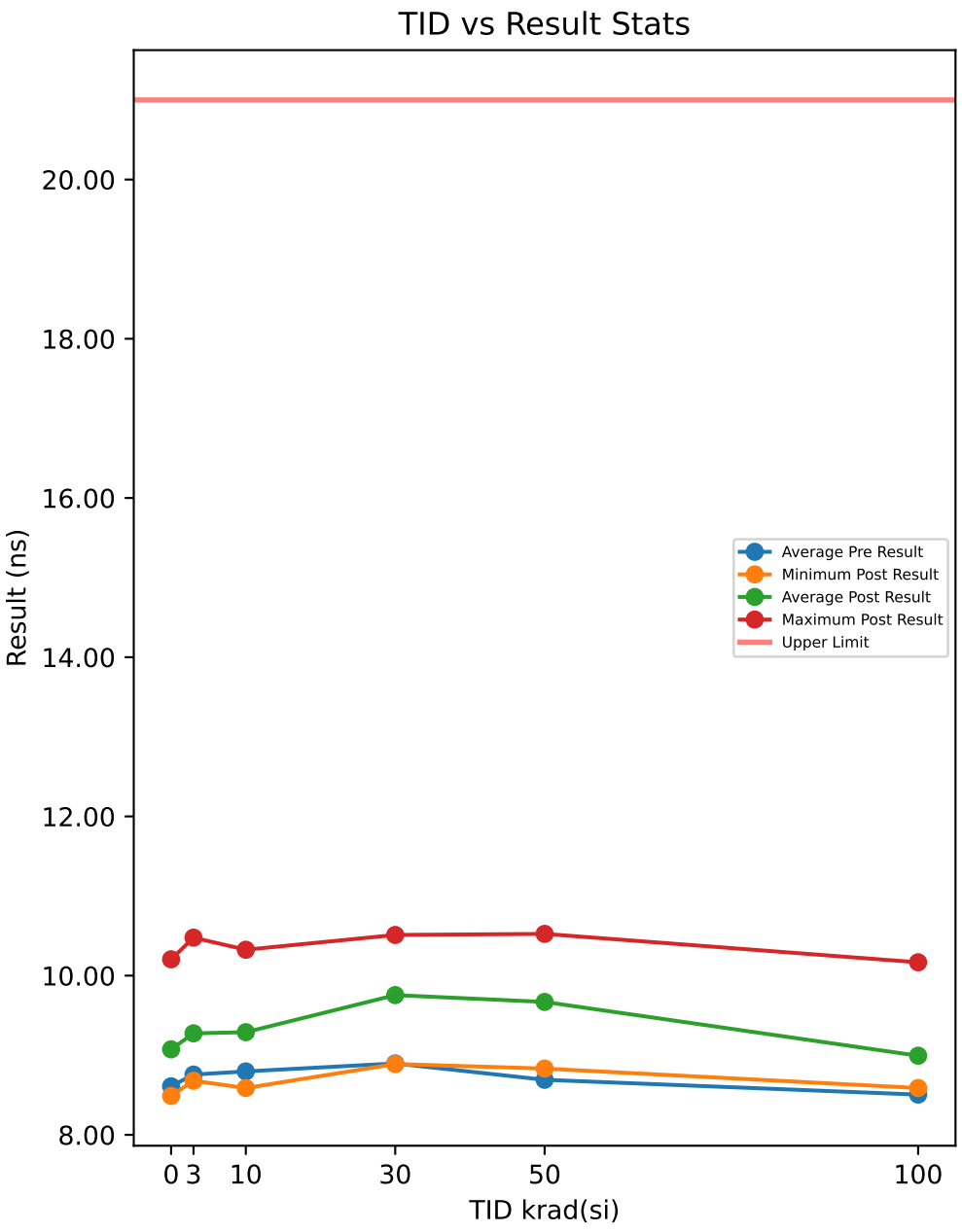
Test Results (Upper Limit = 21.0 (ns))

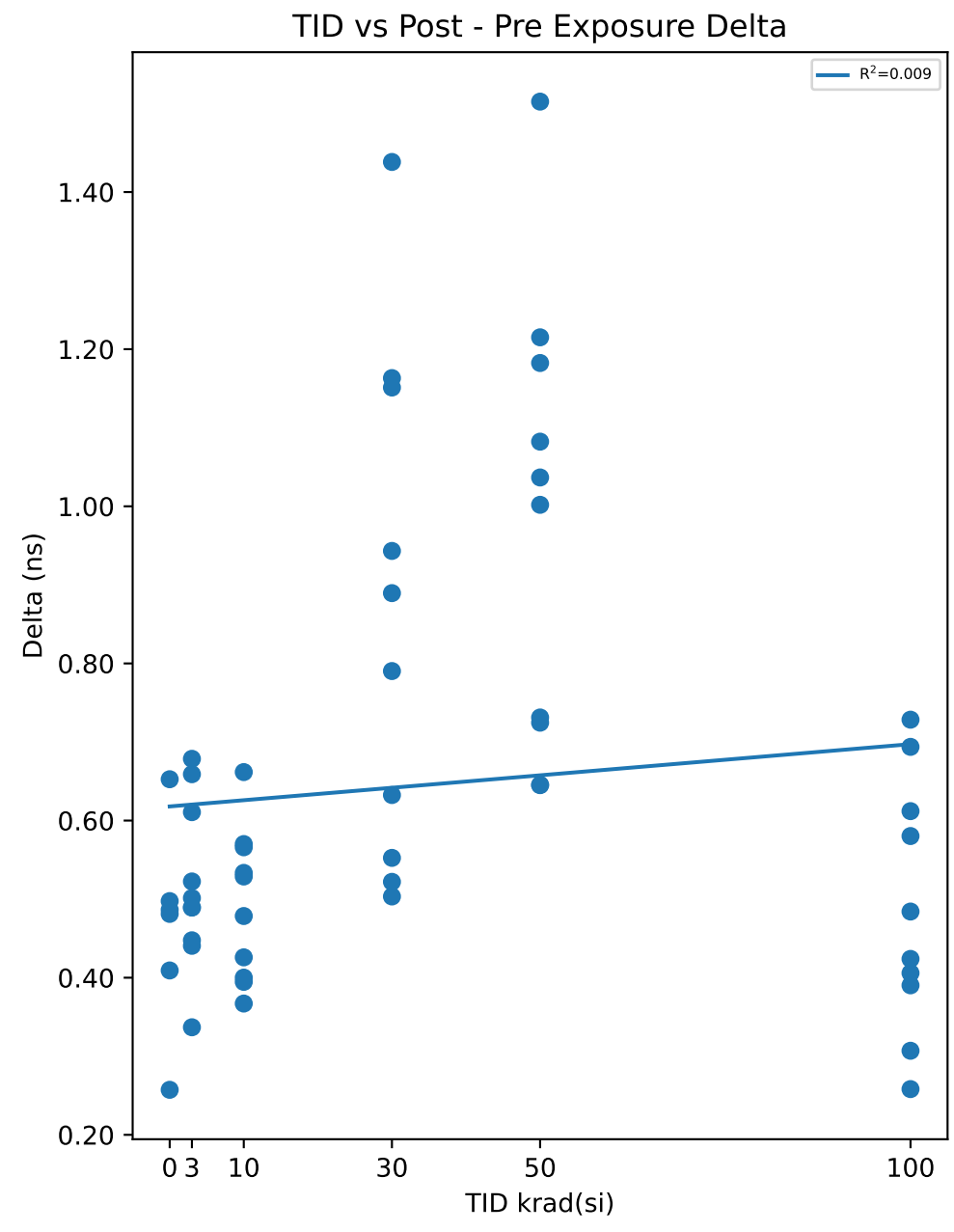
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	LDR Biased	8.0268	8.3798	0.353
2	3	LDR Biased	8.4332	8.8358	0.4026
3	3	LDR Biased	8.871	9.3479	0.4769
4	3	LDR Biased	8.1791	8.9115	0.7324
5	3	LDR Biased	8.1368	8.3913	0.2545
6	10	LDR Biased	9.9949	10.425	0.4303
7	10	LDR Biased	7.9575	8.2114	0.2539
8	10	LDR Biased	8.8583	9.4579	0.5996
9	10	LDR Biased	7.9389	8.076	0.1371
10	10	LDR Biased	8.062	8.4655	0.4035
11	30	LDR Biased	7.9866	8.594	0.6074
12	30	LDR Biased	9.254	9.6824	0.4284
13	30	LDR Biased	8.2725	8.8953	0.6228
14	30	LDR Biased	8.9802	9.2146	0.2344
15	30	LDR Biased	7.9239	8.5796	0.6557
16	50	LDR Biased	8.8524	10.431	1.5791
17	50	LDR Biased	7.8646	8.6562	0.7916
18	50	LDR Biased	8.0036	8.9299	0.9263
19	50	LDR Biased	8.0245	8.8247	0.8002
20	50	LDR Biased	8.507	9.9615	1.4545
21	100	LDR Biased	8.1431	9.021	0.8779
22	100	LDR Biased	8.4617	8.956	0.4943
23	100	LDR Biased	9.5149	10.329	0.8136
24	100	LDR Biased	8.1862	9.3222	1.136
25	100	LDR Biased	8.1991	8.9084	0.7093
26	3	LDR Unbiased	7.8844	8.2456	0.3612
27	3	LDR Unbiased	8.0568	8.4051	0.3483
28	3	LDR Unbiased	8.2572	8.701	0.4438
29	3	LDR Unbiased	8.5763	9.5111	0.9348
30	3	LDR Unbiased	7.8428	7.9895	0.1467
31	10	LDR Unbiased	9.5121	9.7423	0.2302
32	10	LDR Unbiased	8.2818	8.5989	0.3171
33	10	LDR Unbiased	8.8602	9.2558	0.3956
34	10	LDR Unbiased	7.9508	8.474	0.5232
35	10	LDR Unbiased	7.9967	8.2019	0.2052
36	30	LDR Unbiased	8.34	8.962	0.622
37	30	LDR Unbiased	8.852	9.0263	0.1743
38	30	LDR Unbiased	7.9062	8.6337	0.7275
39	30	LDR Unbiased	7.9634	8.6027	0.6393
40	30	LDR Unbiased	9.1692	9.201	0.0318
41	50	LDR Unbiased	8.2783	9.3529	1.0746
42	50	LDR Unbiased	8.1211	9.2214	1.1003
43	50	LDR Unbiased	8.8258	10.095	1.2687
44	50	LDR Unbiased	9.7396	10.71	0.9702
45	50	LDR Unbiased	7.9884	8.9955	1.0071
46	100	LDR Unbiased	8.6719	9.8256	1.1537
47	100	LDR Unbiased	8.2938	8.8237	0.5299
48	100	LDR Unbiased	8.9406	9.4151	0.4745
49	100	LDR Unbiased	7.9185	8.2686	0.3501
50	100	LDR Unbiased	8.597	9.0723	0.4753
60	0	Correlation	8.8166	9.1728	0.3562
61	0	Correlation	8.6439	9.3512	0.7073
62	0	Correlation	7.8316	8.1993	0.3677
63	0	Correlation	8.2829	8.8785	0.5956
64	0	Correlation	10.295	10.766	0.4704
65	0	Correlation	8.7589	9.5766	0.8177

Test Statistics (ns)

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	7.8316	8.7715	10.295	0.83218	8.1993	9.324	10.766	0.85198	0.3562	0.55248	0.8177	0.18739
3	7.8428	8.2264	8.871	0.32053	7.9895	8.6719	9.5111	0.48637	0.1467	0.44542	0.9348	0.22984
10	7.9389	8.5413	9.9949	0.73814	8.076	8.8909	10.425	0.78699	0.1371	0.34957	0.5996	0.14706
30	7.9062	8.4648	9.254	0.54486	8.5796	8.9392	9.6824	0.35929	0.0318	0.47436	0.7275	0.24297
50	7.8646	8.4205	9.7396	0.58066	8.6562	9.5178	10.71	0.72582	0.7916	1.0973	1.5791	0.2635
100	7.9185	8.4927	9.5149	0.4668	8.2686	9.1941	10.329	0.57036	0.3501	0.70146	1.1537	0.28589

Device Test: 24.139 _TIMING|RISE/SYNC2/14//511k//@SYNC_LH_RISE_TIME





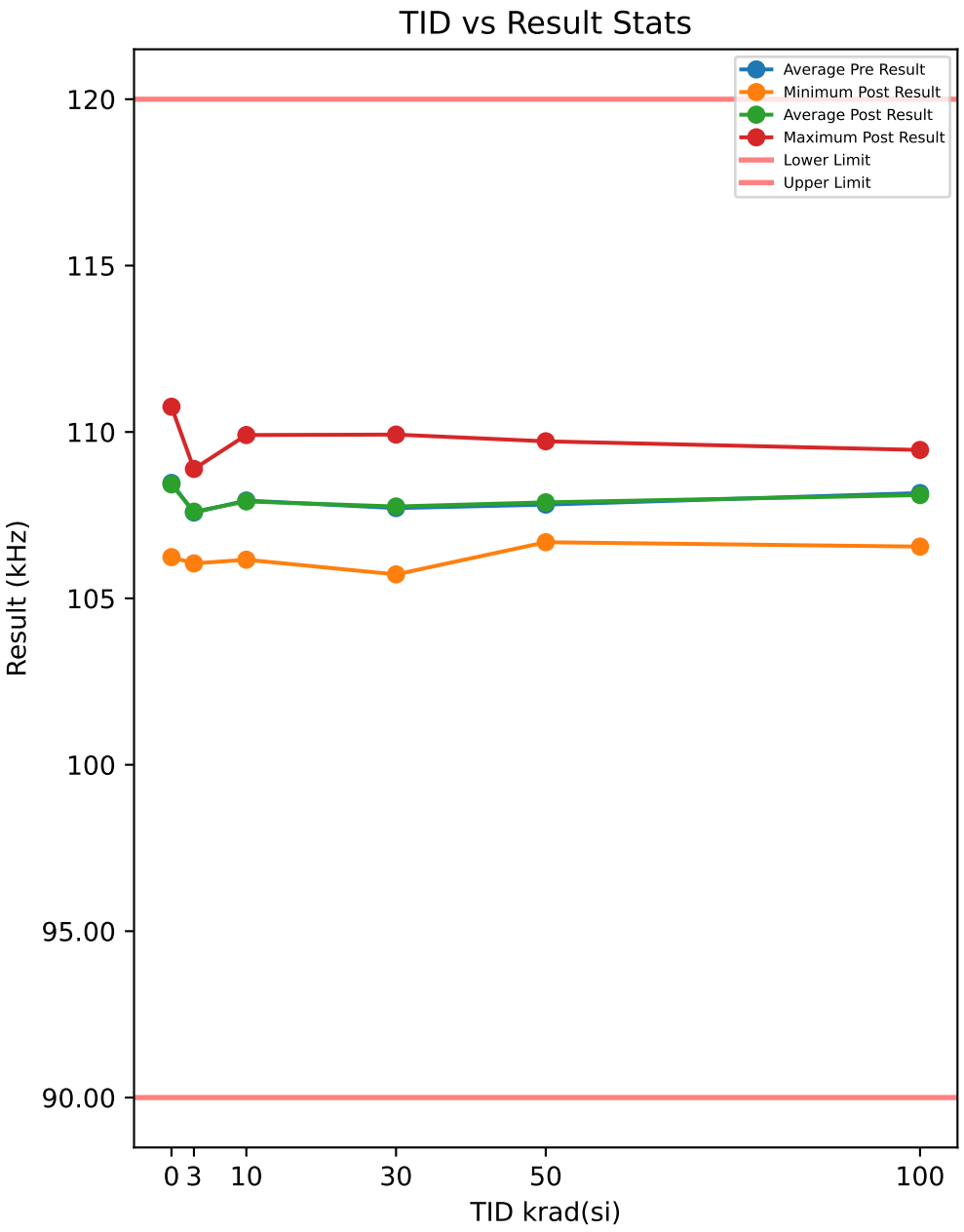
Test Results (Upper Limit = 21.0 (ns))

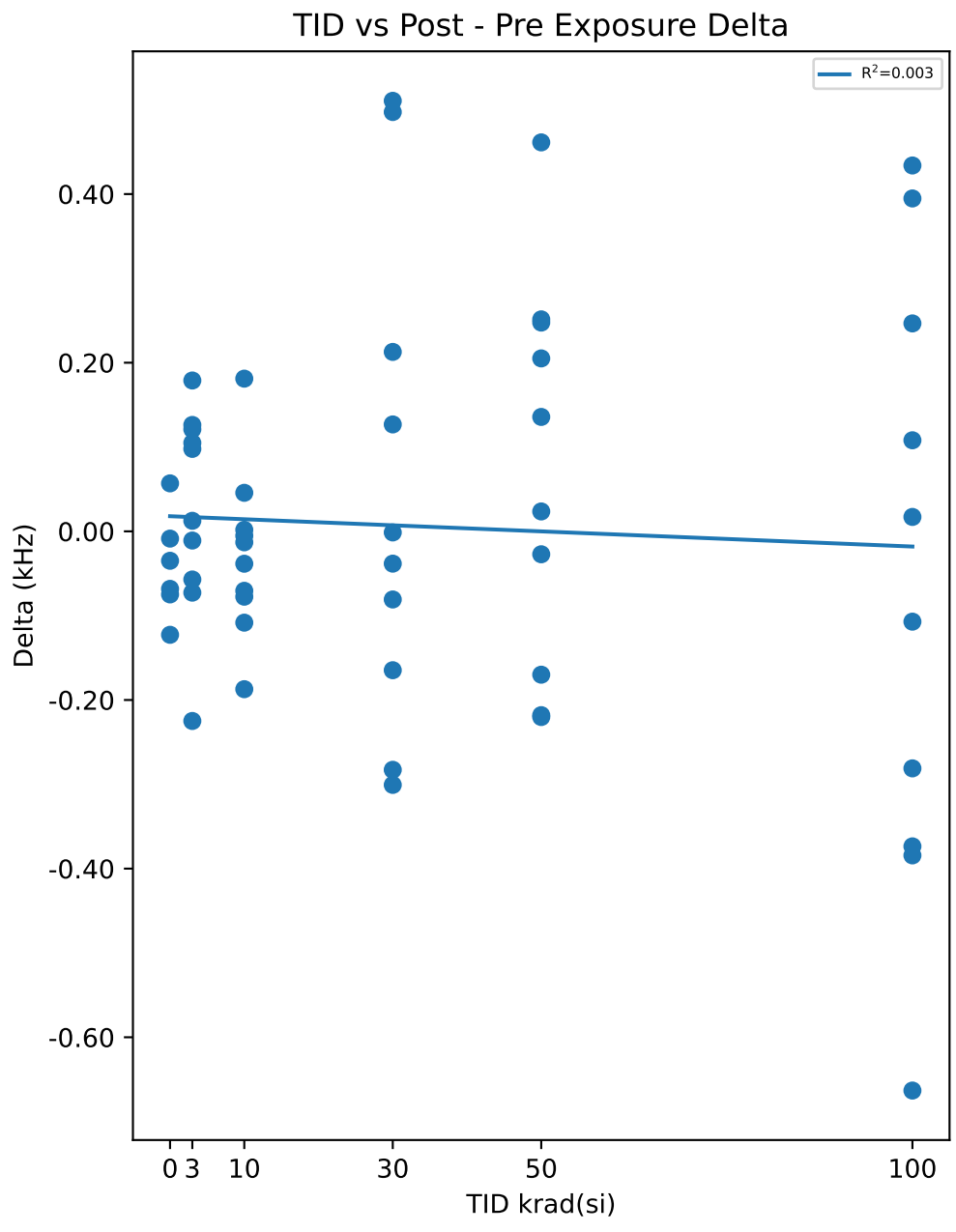
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	LDR Biased	8.929	9.4515	0.5225
2	3	LDR Biased	8.3159	8.7635	0.4476
3	3	LDR Biased	8.239	8.6796	0.4406
4	3	LDR Biased	8.4734	8.9627	0.4893
5	3	LDR Biased	8.5964	9.0978	0.5014
6	10	LDR Biased	8.1844	8.6629	0.4785
7	10	LDR Biased	9.7967	10.325	0.5288
8	10	LDR Biased	8.221	8.5881	0.3671
9	10	LDR Biased	9.7552	10.321	0.566
10	10	LDR Biased	8.8219	9.4836	0.6617
11	30	LDR Biased	9.8391	10.392	0.5525
12	30	LDR Biased	8.2573	8.8898	0.6325
13	30	LDR Biased	8.4232	9.8615	1.4383
14	30	LDR Biased	8.2316	9.1748	0.9432
15	30	LDR Biased	9.9423	10.446	0.5034
16	50	LDR Biased	8.1873	8.8324	0.6451
17	50	LDR Biased	9.1385	10.354	1.2151
18	50	LDR Biased	9.096	10.133	1.0367
19	50	LDR Biased	9.342	10.524	1.1824
20	50	LDR Biased	8.4233	9.1545	0.7312
21	100	LDR Biased	8.6458	8.904	0.2582
22	100	LDR Biased	8.3778	8.8017	0.4239
23	100	LDR Biased	8.2814	8.5884	0.307
24	100	LDR Biased	8.4643	8.8702	0.4059
25	100	LDR Biased	8.4174	8.8077	0.3903
26	3	LDR Unbiased	9.5574	10.216	0.659
27	3	LDR Unbiased	8.7136	9.3922	0.6786
28	3	LDR Unbiased	8.5305	9.0199	0.4894
29	3	LDR Unbiased	8.3512	8.6881	0.3369
30	3	LDR Unbiased	9.8665	10.477	0.6107
31	10	LDR Unbiased	8.2856	8.7115	0.4259
32	10	LDR Unbiased	8.5172	9.0506	0.5334
33	10	LDR Unbiased	8.2675	8.6676	0.4001
34	10	LDR Unbiased	8.5017	9.0718	0.5701
35	10	LDR Unbiased	9.6167	10.011	0.3947
36	30	LDR Unbiased	8.3909	9.5541	1.1632
37	30	LDR Unbiased	8.3349	9.4861	1.1512
38	30	LDR Unbiased	9.4001	10.19	0.7903
39	30	LDR Unbiased	9.989	10.511	0.522
40	30	LDR Unbiased	8.1593	9.0488	0.8895
41	50	LDR Unbiased	8.4671	9.5494	1.0823
42	50	LDR Unbiased	8.6949	10.21	1.5151
43	50	LDR Unbiased	8.2214	8.946	0.7246
44	50	LDR Unbiased	8.225	8.8705	0.6455
45	50	LDR Unbiased	9.1203	10.122	1.0019
46	100	LDR Unbiased	8.1283	8.6125	0.4842
47	100	LDR Unbiased	8.4657	9.0777	0.612
48	100	LDR Unbiased	8.3349	8.9152	0.5803
49	100	LDR Unbiased	9.4736	10.167	0.6938
50	100	LDR Unbiased	8.4667	9.1951	0.7284
60	0	Correlation	8.4669	8.9534	0.4865
61	0	Correlation	8.3449	8.8424	0.4975
62	0	Correlation	9.9477	10.205	0.2573
63	0	Correlation	8.4876	9.1402	0.6526
64	0	Correlation	8.0797	8.4889	0.4092
65	0	Correlation	8.3326	8.8138	0.4812

Test Statistics (ns)

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	8.0797	8.6099	9.9477	0.67132	8.4889	9.0739	10.205	0.59359	0.2573	0.46405	0.6526	0.12901
3	8.239	8.7573	9.8665	0.54652	8.6796	9.2749	10.477	0.62637	0.3369	0.5176	0.6786	0.10538
10	8.1844	8.7968	9.7967	0.66704	8.5881	9.2894	10.325	0.69972	0.3671	0.49263	0.6617	0.095162
30	8.1593	8.8968	9.989	0.79011	8.8898	9.7554	10.511	0.61022	0.5034	0.85861	1.4383	0.31824
50	8.1873	8.6916	9.342	0.44542	8.8324	9.6696	10.524	0.67105	0.6451	0.97799	1.5151	0.28826
100	8.1283	8.5056	9.4736	0.36627	8.5884	8.994	10.167	0.45163	0.2582	0.4884	0.7284	0.15987

Device Test: 24.14 _FREQ|100kHz/SYNC1/4.5//511k//@EXT_SET_FREQ_100KHZ_4V





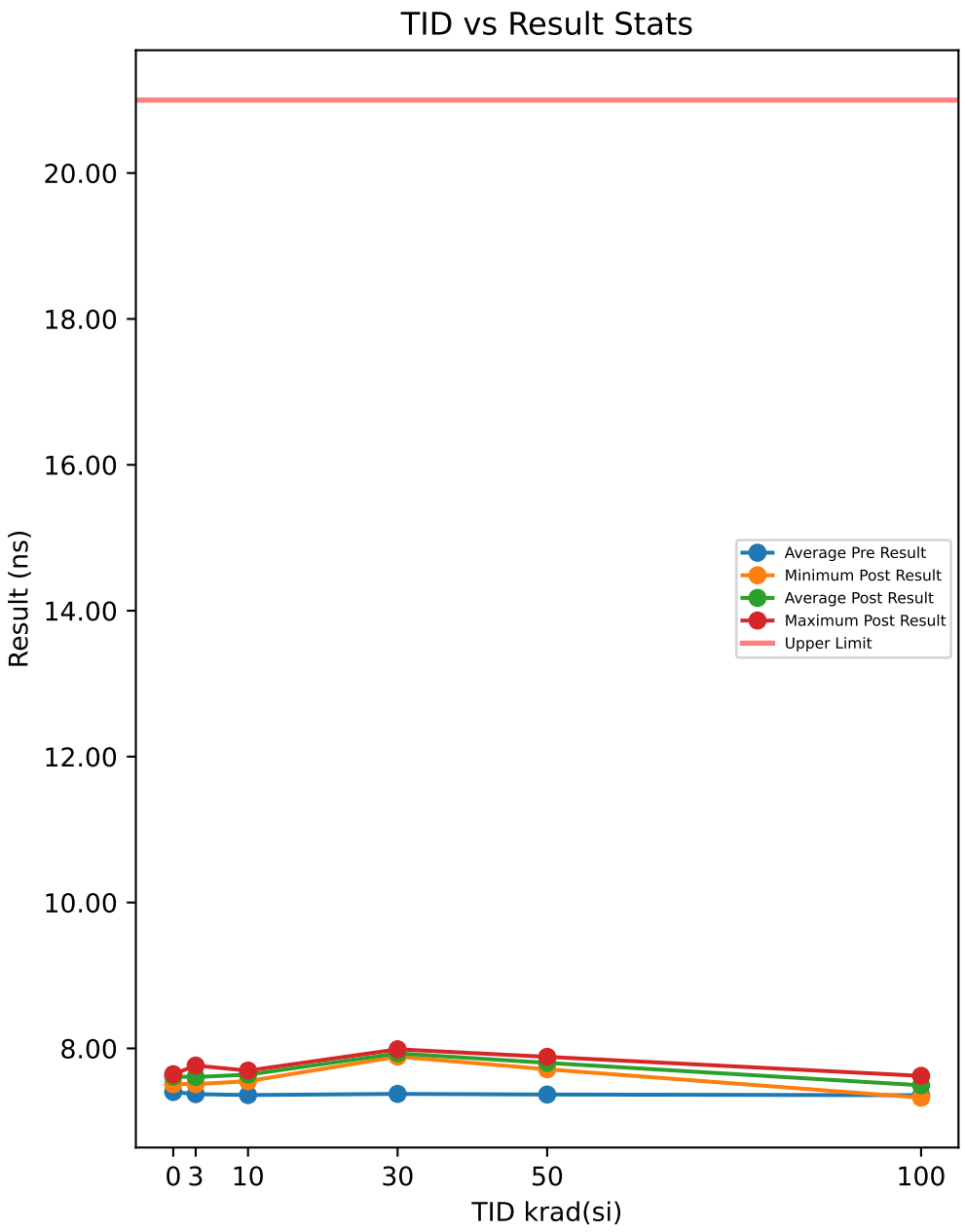
Test Results (Lower Limit = 90.0, Upper Limit = 120.0 (kHz))

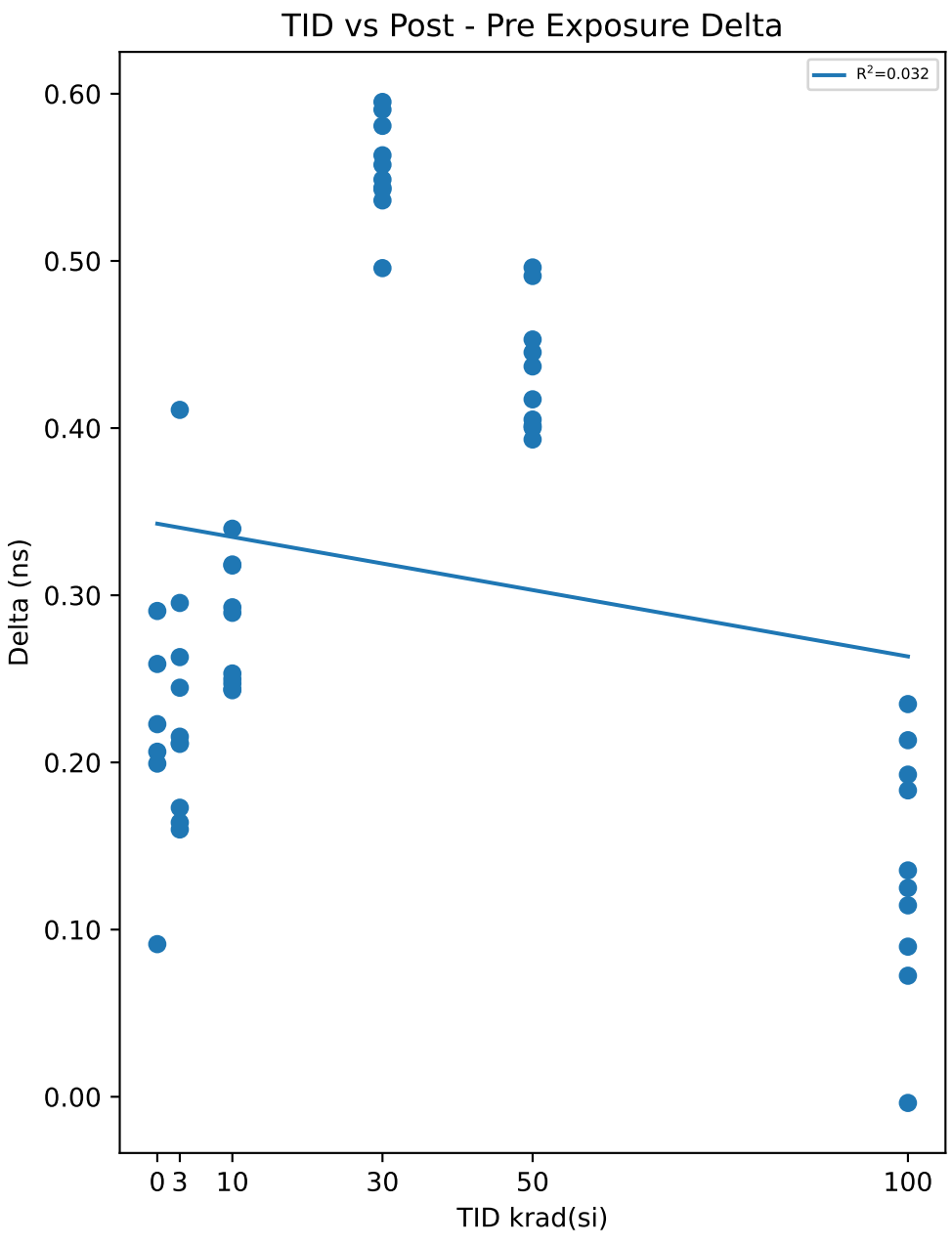
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	LDR Biased	107.15	107.16	0.0125
2	3	LDR Biased	108.22	108.34	0.121
3	3	LDR Biased	108.71	108.89	0.1789
4	3	LDR Biased	107.79	107.88	0.0978
5	3	LDR Biased	107.48	107.46	-0.0109
6	10	LDR Biased	110.1	109.91	-0.1872
7	10	LDR Biased	106.25	106.21	-0.0384
8	10	LDR Biased	108.93	108.92	-0.013
9	10	LDR Biased	106.27	106.16	-0.1083
10	10	LDR Biased	107.47	107.47	0.0018
11	30	LDR Biased	106.19	106.71	0.5106
12	30	LDR Biased	109.42	109.92	0.4973
13	30	LDR Biased	108.16	107.99	-0.1647
14	30	LDR Biased	108.97	108.93	-0.0383
15	30	LDR Biased	106	105.72	-0.2828
16	50	LDR Biased	108.89	109.14	0.2514
17	50	LDR Biased	106.66	106.69	0.0236
18	50	LDR Biased	107.06	107.2	0.1357
19	50	LDR Biased	106.92	106.7	-0.218
20	50	LDR Biased	108.23	108.43	0.2051
21	100	LDR Biased	107.52	107.95	0.4339
22	100	LDR Biased	108.22	107.94	-0.2811
23	100	LDR Biased	109.35	109.46	0.108
24	100	LDR Biased	107.91	108.16	0.2466
25	100	LDR Biased	107.95	107.97	0.0171
26	3	LDR Unbiased	106.33	106.45	0.1262
27	3	LDR Unbiased	107.36	107.28	-0.0727
28	3	LDR Unbiased	107.95	107.89	-0.0571
29	3	LDR Unbiased	108.54	108.65	0.1049
30	3	LDR Unbiased	106.28	106.05	-0.2249
31	10	LDR Unbiased	109.4	109.33	-0.0705
32	10	LDR Unbiased	107.91	107.9	-0.0052
33	10	LDR Unbiased	108.94	108.86	-0.0775
34	10	LDR Unbiased	107.56	107.6	0.0457
35	10	LDR Unbiased	106.6	106.78	0.1811
36	30	LDR Unbiased	108.14	108.14	-0.0013
37	30	LDR Unbiased	108.7	108.4	-0.3007
38	30	LDR Unbiased	106.74	106.96	0.2128
39	30	LDR Unbiased	105.81	105.73	-0.0808
40	30	LDR Unbiased	108.99	109.12	0.1268
41	50	LDR Unbiased	107.99	107.77	-0.2202
42	50	LDR Unbiased	107.35	107.32	-0.0272
43	50	LDR Unbiased	108.78	108.61	-0.17
44	50	LDR Unbiased	109.47	109.72	0.2476
45	50	LDR Unbiased	106.83	107.3	0.4613
46	100	LDR Unbiased	108.81	109.2	0.3948
47	100	LDR Unbiased	107.96	107.59	-0.3736
48	100	LDR Unbiased	108.98	108.32	-0.6632
49	100	LDR Unbiased	106.66	106.56	-0.1071
50	100	LDR Unbiased	108.28	107.89	-0.3843
60	0	Correlation	108.44	108.37	-0.0748
61	0	Correlation	108.54	108.53	-0.0086
62	0	Correlation	106.36	106.24	-0.1227
63	0	Correlation	107.87	107.92	0.0569
64	0	Correlation	110.79	110.76	-0.0349
65	0	Correlation	108.81	108.74	-0.0682

Test Statistics (kHz)

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	106.36	108.47	110.79	1.4373	106.24	108.43	110.76	1.4554	-0.1227	-0.04205	0.0569	0.062003
3	106.28	107.58	108.71	0.83734	106.05	107.61	108.89	0.91289	-0.2249	0.02757	0.1789	0.12245
10	106.25	107.94	110.1	1.3569	106.16	107.91	109.91	1.3095	-0.1872	-0.02715	0.1811	0.098284
30	105.81	107.71	109.42	1.3869	105.72	107.76	109.92	1.4361	-0.3007	0.04789	0.5106	0.28905
50	106.66	107.82	109.47	0.99445	106.69	107.89	109.72	1.041	-0.2202	0.06893	0.4613	0.23009
100	106.66	108.16	109.35	0.76937	106.56	108.1	109.46	0.80776	-0.6632	-0.06089	0.4339	0.36475

Device Test: 24.140 _TIMING|FALL/SYNC1/14//511k//@SYNC_HL_FALL_TIME





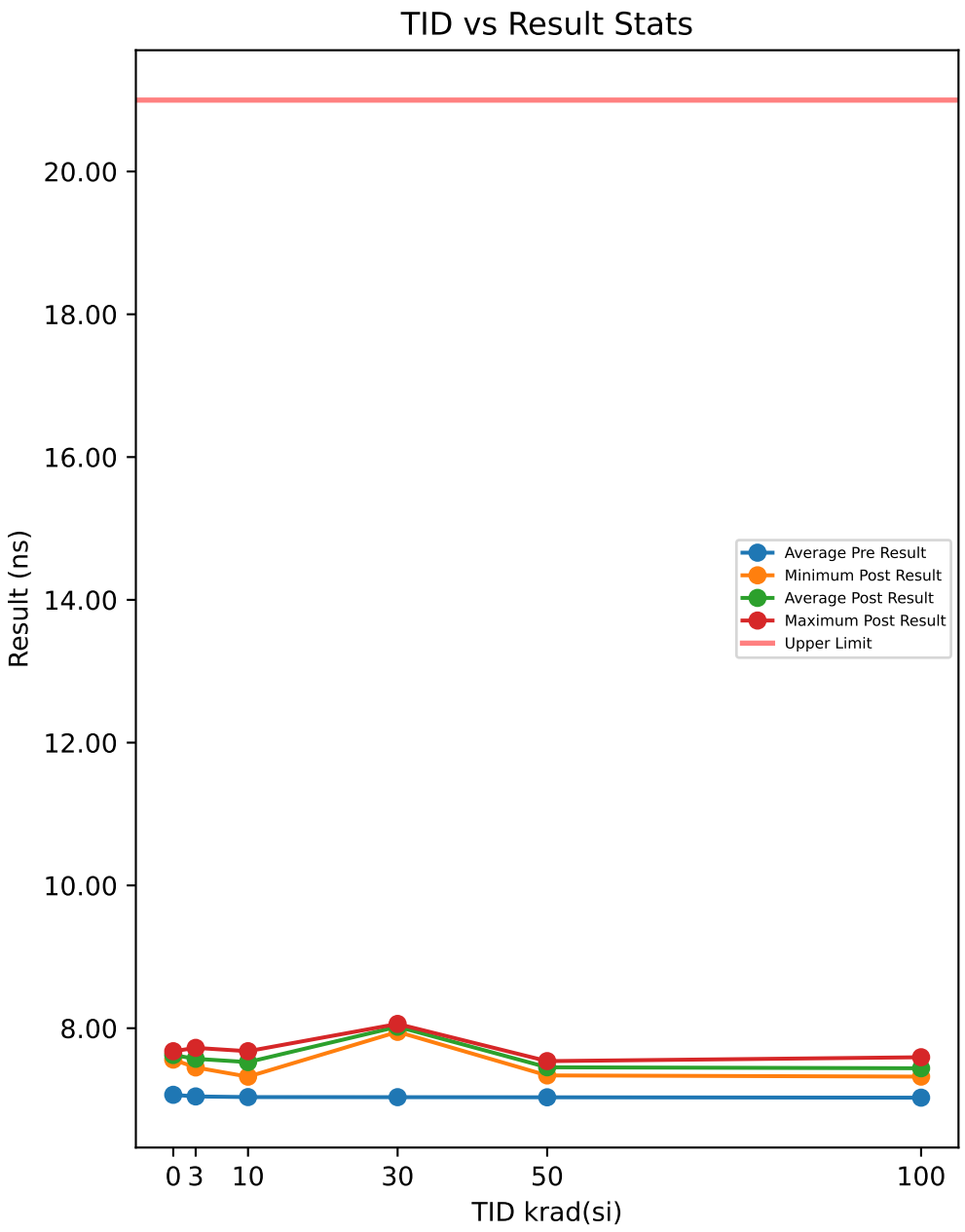
Test Results (Upper Limit = 21.0 (ns))

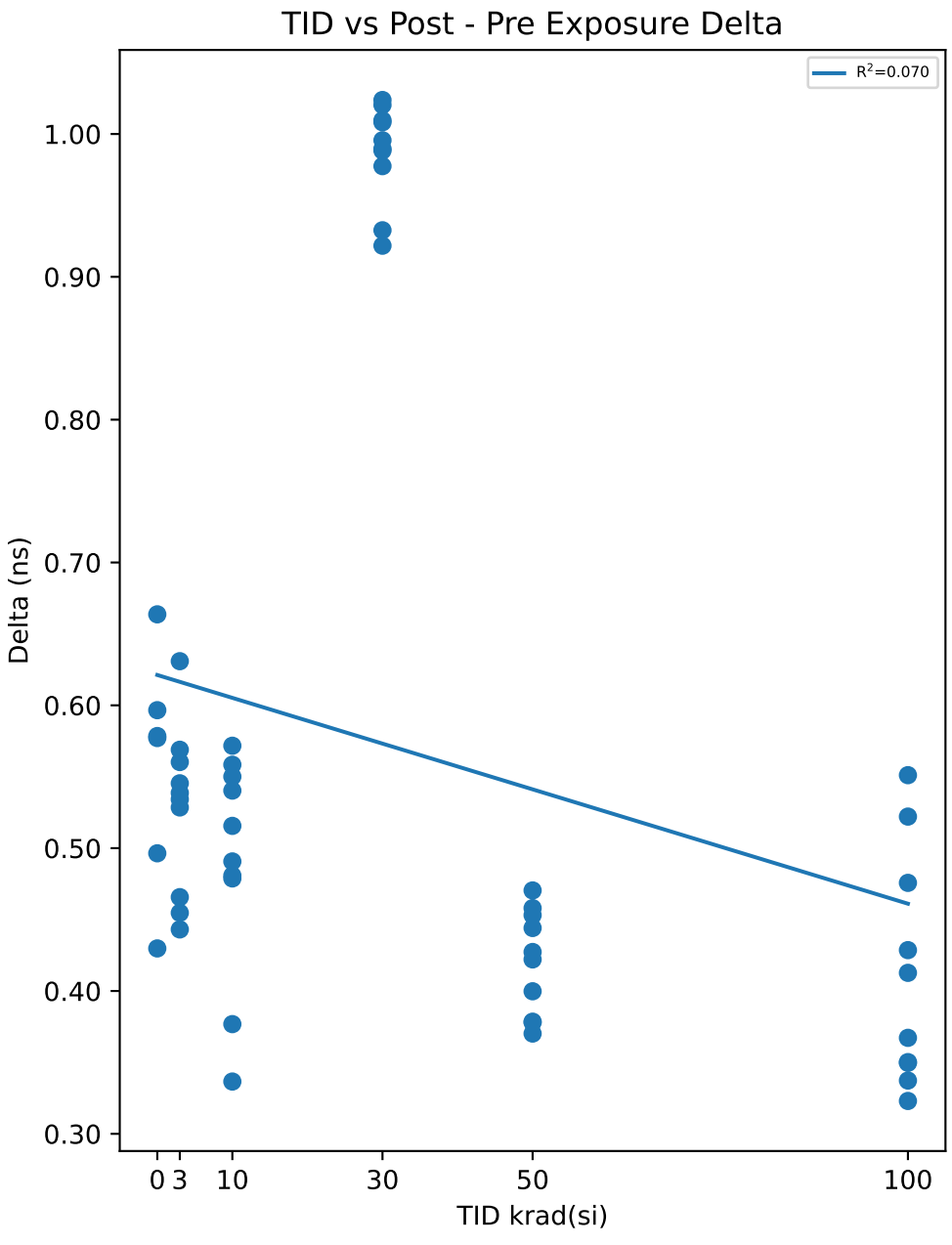
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	LDR Biased	7.4101	7.6255	0.2154
2	3	LDR Biased	7.3387	7.5498	0.2111
3	3	LDR Biased	7.3465	7.5106	0.1641
4	3	LDR Biased	7.3533	7.7642	0.4109
5	3	LDR Biased	7.3596	7.5711	0.2115
6	10	LDR Biased	7.3639	7.6823	0.3184
7	10	LDR Biased	7.4052	7.6584	0.2532
8	10	LDR Biased	7.312	7.6048	0.2928
9	10	LDR Biased	7.3079	7.6477	0.3398
10	10	LDR Biased	7.4206	7.6645	0.2439
11	30	LDR Biased	7.3927	7.9878	0.5951
12	30	LDR Biased	7.3437	7.8875	0.5438
13	30	LDR Biased	7.3272	7.8904	0.5632
14	30	LDR Biased	7.3786	7.9148	0.5362
15	30	LDR Biased	7.3414	7.9222	0.5808
16	50	LDR Biased	7.3121	7.7135	0.4014
17	50	LDR Biased	7.3547	7.7916	0.4369
18	50	LDR Biased	7.3385	7.7915	0.453
19	50	LDR Biased	7.3885	7.8846	0.4961
20	50	LDR Biased	7.3567	7.8477	0.491
21	100	LDR Biased	7.3953	7.5786	0.1833
22	100	LDR Biased	7.3284	7.3247	-0.0037
23	100	LDR Biased	7.3479	7.5828	0.2349
24	100	LDR Biased	7.4099	7.6232	0.2133
25	100	LDR Biased	7.2939	7.4866	0.1927
26	3	LDR Unbiased	7.2939	7.5569	0.263
27	3	LDR Unbiased	7.4315	7.7269	0.2954
28	3	LDR Unbiased	7.4214	7.6661	0.2447
29	3	LDR Unbiased	7.3841	7.557	0.1729
30	3	LDR Unbiased	7.3938	7.5537	0.1599
31	10	LDR Unbiased	7.4055	7.695	0.2895
32	10	LDR Unbiased	7.3284	7.5716	0.2432
33	10	LDR Unbiased	7.3008	7.5507	0.2499
34	10	LDR Unbiased	7.3821	7.6293	0.2472
35	10	LDR Unbiased	7.3779	7.6957	0.3178
36	30	LDR Unbiased	7.3987	7.9415	0.5428
37	30	LDR Unbiased	7.418	7.9137	0.4957
38	30	LDR Unbiased	7.3633	7.9208	0.5575
39	30	LDR Unbiased	7.4223	7.971	0.5487
40	30	LDR Unbiased	7.3771	7.9676	0.5905
41	50	LDR Unbiased	7.3934	7.7866	0.3932
42	50	LDR Unbiased	7.4159	7.8331	0.4172
43	50	LDR Unbiased	7.3449	7.7902	0.4453
44	50	LDR Unbiased	7.4075	7.8126	0.4051
45	50	LDR Unbiased	7.3658	7.766	0.4002
46	100	LDR Unbiased	7.3094	7.4239	0.1145
47	100	LDR Unbiased	7.3215	7.4569	0.1354
48	100	LDR Unbiased	7.3994	7.4892	0.0898
49	100	LDR Unbiased	7.3973	7.5222	0.1249
50	100	LDR Unbiased	7.3813	7.4537	0.0724
60	0	Correlation	7.4186	7.6415	0.2229
61	0	Correlation	7.4208	7.6272	0.2064
62	0	Correlation	7.365	7.6239	0.2589
63	0	Correlation	7.4353	7.6346	0.1993
64	0	Correlation	7.3554	7.646	0.2906
65	0	Correlation	7.4194	7.5107	0.0913

Test Statistics (ns)

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	7.3554	7.4024	7.4353	0.033407	7.5107	7.614	7.646	0.051279	0.0913	0.21157	0.2906	0.0682
3	7.2939	7.3733	7.4315	0.042687	7.5106	7.6082	7.7642	0.084731	0.1599	0.23489	0.4109	0.075644
10	7.3008	7.3604	7.4206	0.044882	7.5507	7.64	7.6957	0.050466	0.2432	0.27957	0.3398	0.03665
30	7.3272	7.3763	7.4223	0.032476	7.8875	7.9317	7.9878	0.034245	0.4957	0.55543	0.5951	0.029419
50	7.3121	7.3678	7.4159	0.032927	7.7135	7.8017	7.8846	0.046801	0.3932	0.43394	0.4961	0.037401
100	7.2939	7.3584	7.4099	0.043032	7.3247	7.4942	7.6232	0.087677	-0.0037	0.13575	0.2349	0.07264

Device Test: 24.141 _TIMING|FALL/SYNC2/14//511k//@SYNC_HL_FALL_TIME





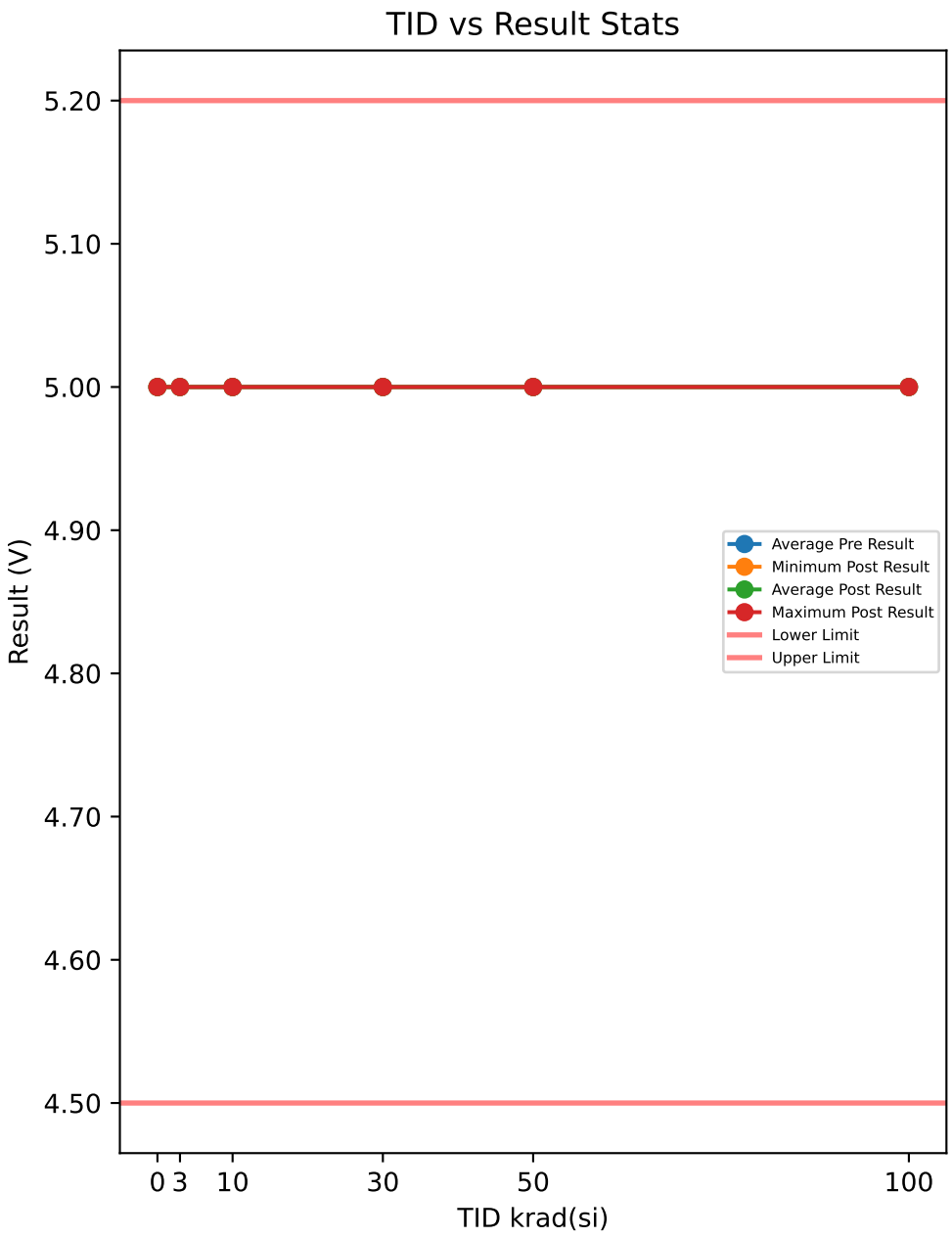
Test Results (Upper Limit = 21.0 (ns))

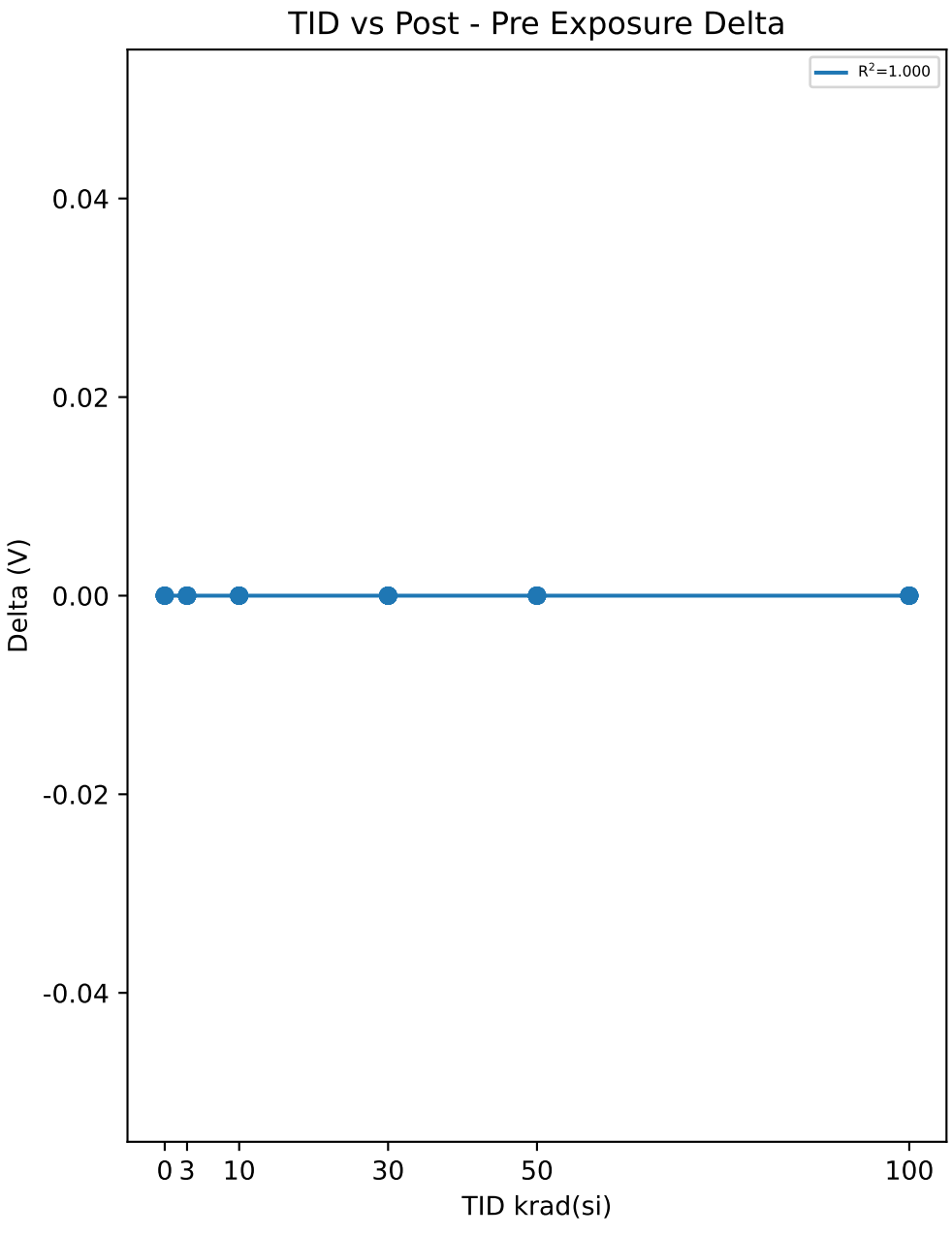
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	LDR Biased	6.9846	7.4503	0.4657
2	3	LDR Biased	7.0558	7.6012	0.5454
3	3	LDR Biased	7.0229	7.5514	0.5285
4	3	LDR Biased	7.0368	7.5971	0.5603
5	3	LDR Biased	7.0186	7.4617	0.4431
6	10	LDR Biased	7.0983	7.4751	0.3768
7	10	LDR Biased	7.031	7.5118	0.4808
8	10	LDR Biased	6.9843	7.3209	0.3366
9	10	LDR Biased	6.9731	7.4887	0.5156
10	10	LDR Biased	7.1279	7.678	0.5501
11	30	LDR Biased	7.016	8.0363	1.0203
12	30	LDR Biased	7.0106	7.999	0.9884
13	30	LDR Biased	7.0458	8.0355	0.9897
14	30	LDR Biased	7.0135	8.0091	0.9956
15	30	LDR Biased	7.0269	7.9487	0.9218
16	50	LDR Biased	6.9683	7.3385	0.3702
17	50	LDR Biased	6.9396	7.41	0.4704
18	50	LDR Biased	7.0582	7.4855	0.4273
19	50	LDR Biased	7.0855	7.5386	0.4531
20	50	LDR Biased	7.0737	7.4735	0.3998
21	100	LDR Biased	7.0576	7.4078	0.3502
22	100	LDR Biased	6.9987	7.3217	0.323
23	100	LDR Biased	7.0421	7.5932	0.5511
24	100	LDR Biased	7.0672	7.5429	0.4757
25	100	LDR Biased	6.9447	7.4668	0.5221
26	3	LDR Unbiased	7.055	7.5892	0.5342
27	3	LDR Unbiased	7.0936	7.7245	0.6309
28	3	LDR Unbiased	7.0856	7.6243	0.5387
29	3	LDR Unbiased	7.0333	7.6022	0.5689
30	3	LDR Unbiased	7.0564	7.5111	0.4547
31	10	LDR Unbiased	7.0905	7.5812	0.4907
32	10	LDR Unbiased	7.0152	7.5555	0.5403
33	10	LDR Unbiased	6.954	7.5257	0.5717
34	10	LDR Unbiased	7.0547	7.5335	0.4788
35	10	LDR Unbiased	7.0234	7.5818	0.5584
36	30	LDR Unbiased	7.0518	8.06	1.0082
37	30	LDR Unbiased	6.9955	8.0051	1.0096
38	30	LDR Unbiased	7.0548	8.0323	0.9775
39	30	LDR Unbiased	7.0904	8.023	0.9326
40	30	LDR Unbiased	7.034	8.0578	1.0238
41	50	LDR Unbiased	7.0694	7.4479	0.3785
42	50	LDR Unbiased	7.1168	7.5389	0.4221
43	50	LDR Unbiased	7.0432	7.4212	0.378
44	50	LDR Unbiased	6.9845	7.4425	0.458
45	50	LDR Unbiased	6.9834	7.4275	0.4441
46	100	LDR Unbiased	7.0482	7.3979	0.3497
47	100	LDR Unbiased	7.0089	7.4375	0.4286
48	100	LDR Unbiased	7.027	7.4397	0.4127
49	100	LDR Unbiased	6.9753	7.3425	0.3672
50	100	LDR Unbiased	7.1016	7.4389	0.3373
60	0	Correlation	7.0935	7.672	0.5785
61	0	Correlation	7.1409	7.5707	0.4298
62	0	Correlation	7.0139	7.6776	0.6637
63	0	Correlation	7.0916	7.6687	0.5771
64	0	Correlation	6.999	7.5956	0.5966
65	0	Correlation	7.0638	7.5602	0.4964

Test Statistics (ns)

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	6.999	7.0671	7.1409	0.053334	7.5602	7.6241	7.6776	0.054576	0.4298	0.55702	0.6637	0.082063
3	6.9846	7.0443	7.0936	0.032299	7.4503	7.5713	7.7245	0.081505	0.4431	0.52704	0.6309	0.05794
10	6.954	7.0352	7.1279	0.057359	7.3209	7.5252	7.678	0.092156	0.3366	0.48998	0.5717	0.077965
30	6.9955	7.0339	7.0904	0.027677	7.9487	8.0207	8.06	0.032585	0.9218	0.98675	1.0238	0.034652
50	6.9396	7.0323	7.1168	0.058893	7.3385	7.4524	7.5389	0.060494	0.3702	0.42015	0.4704	0.036655
100	6.9447	7.0271	7.1016	0.046391	7.3217	7.4389	7.5932	0.082383	0.323	0.41176	0.5511	0.080975

Device Test: 24.142 _LEVELS|VOH/SYNC1/14//511k//@SYNC_OUT_HIGH_7V





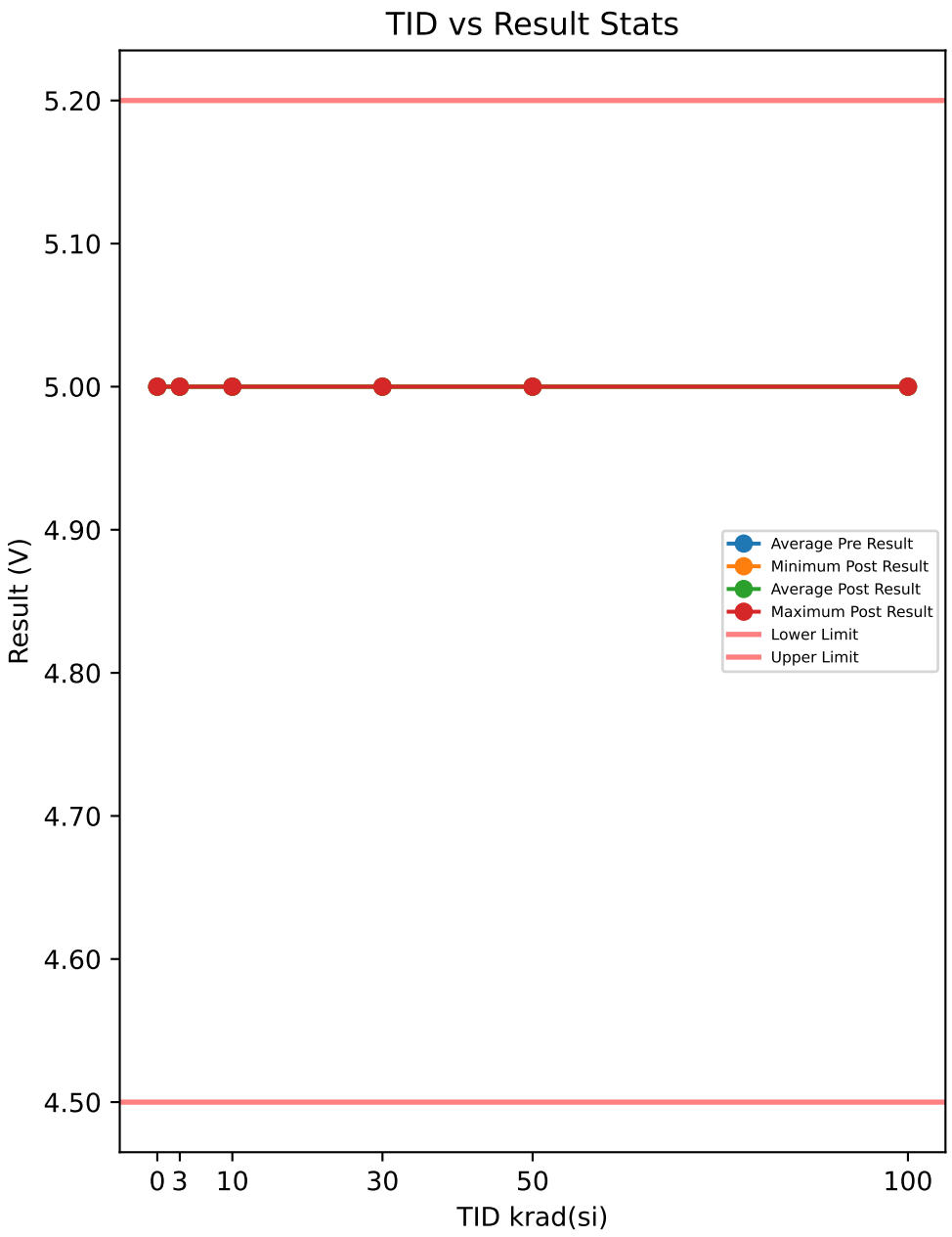
Test Results (Lower Limit = 4.5, Upper Limit = 5.2 (V))

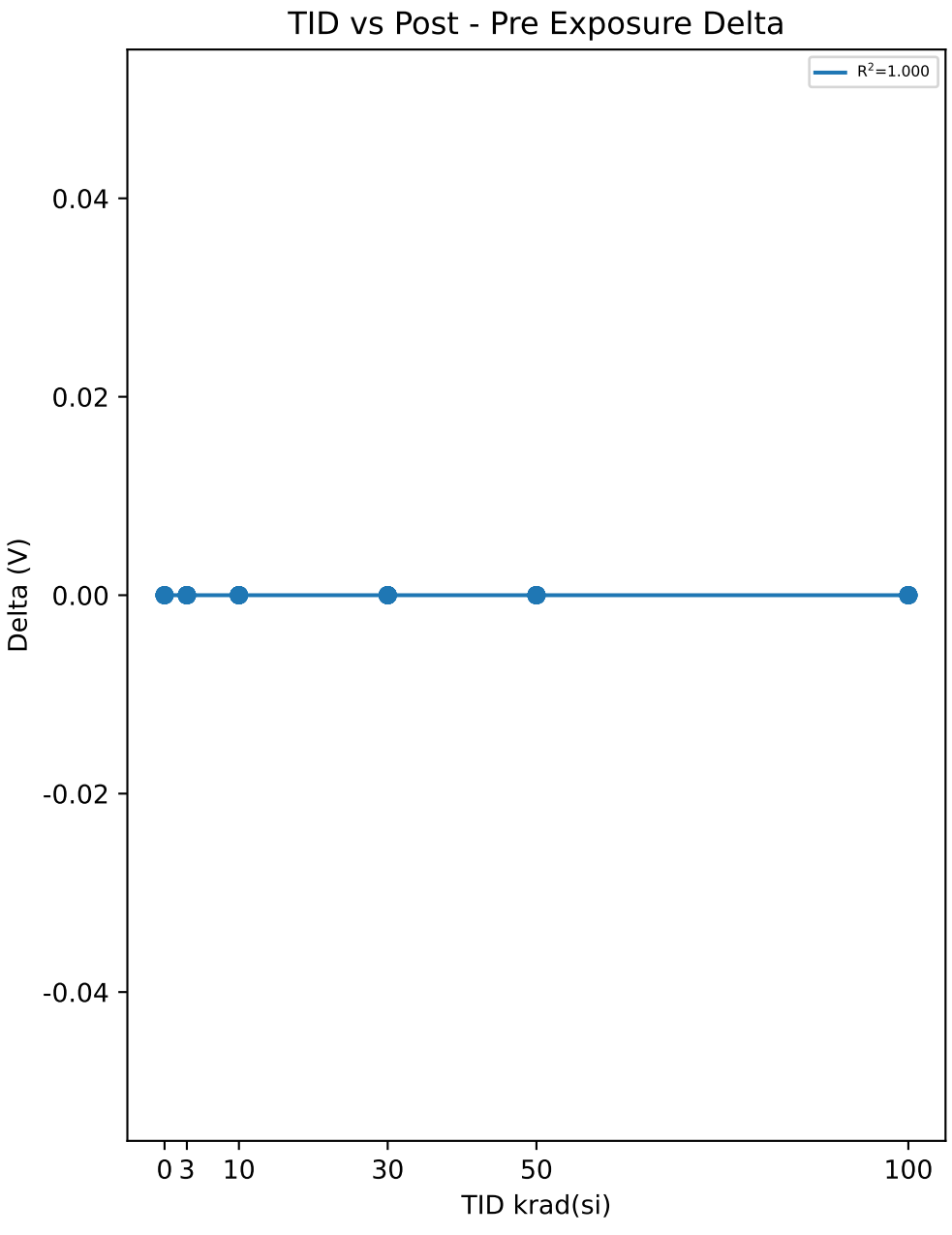
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	LDR Biased	5	5	0
2	3	LDR Biased	5	5	0
3	3	LDR Biased	5	5	0
4	3	LDR Biased	5	5	0
5	3	LDR Biased	5	5	0
6	10	LDR Biased	5	5	0
7	10	LDR Biased	5	5	0
8	10	LDR Biased	5	5	0
9	10	LDR Biased	5	5	0
10	10	LDR Biased	5	5	0
11	30	LDR Biased	5	5	0
12	30	LDR Biased	5	5	0
13	30	LDR Biased	5	5	0
14	30	LDR Biased	5	5	0
15	30	LDR Biased	5	5	0
16	50	LDR Biased	5	5	0
17	50	LDR Biased	5	5	0
18	50	LDR Biased	5	5	0
19	50	LDR Biased	5	5	0
20	50	LDR Biased	5	5	0
21	100	LDR Biased	5	5	0
22	100	LDR Biased	5	5	0
23	100	LDR Biased	5	5	0
24	100	LDR Biased	5	5	0
25	100	LDR Biased	5	5	0
26	3	LDR Unbiased	5	5	0
27	3	LDR Unbiased	5	5	0
28	3	LDR Unbiased	5	5	0
29	3	LDR Unbiased	5	5	0
30	3	LDR Unbiased	5	5	0
31	10	LDR Unbiased	5	5	0
32	10	LDR Unbiased	5	5	0
33	10	LDR Unbiased	5	5	0
34	10	LDR Unbiased	5	5	0
35	10	LDR Unbiased	5	5	0
36	30	LDR Unbiased	5	5	0
37	30	LDR Unbiased	5	5	0
38	30	LDR Unbiased	5	5	0
39	30	LDR Unbiased	5	5	0
40	30	LDR Unbiased	5	5	0
41	50	LDR Unbiased	5	5	0
42	50	LDR Unbiased	5	5	0
43	50	LDR Unbiased	5	5	0
44	50	LDR Unbiased	5	5	0
45	50	LDR Unbiased	5	5	0
46	100	LDR Unbiased	5	5	0
47	100	LDR Unbiased	5	5	0
48	100	LDR Unbiased	5	5	0
49	100	LDR Unbiased	5	5	0
50	100	LDR Unbiased	5	5	0
60	0	Correlation	5	5	0
61	0	Correlation	5	5	0
62	0	Correlation	5	5	0
63	0	Correlation	5	5	0
64	0	Correlation	5	5	0
65	0	Correlation	5	5	0

Test Statistics (V)

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	5	5	5	0	5	5	5	0	0	0	0	0
3	5	5	5	0	5	5	5	0	0	0	0	0
10	5	5	5	0	5	5	5	0	0	0	0	0
30	5	5	5	0	5	5	5	0	0	0	0	0
50	5	5	5	0	5	5	5	0	0	0	0	0
100	5	5	5	0	5	5	5	0	0	0	0	0

Device Test: 24.143 _LEVELS|VOH/SYNC2/14//511k//@SYNC_OUT_HIGH_7V





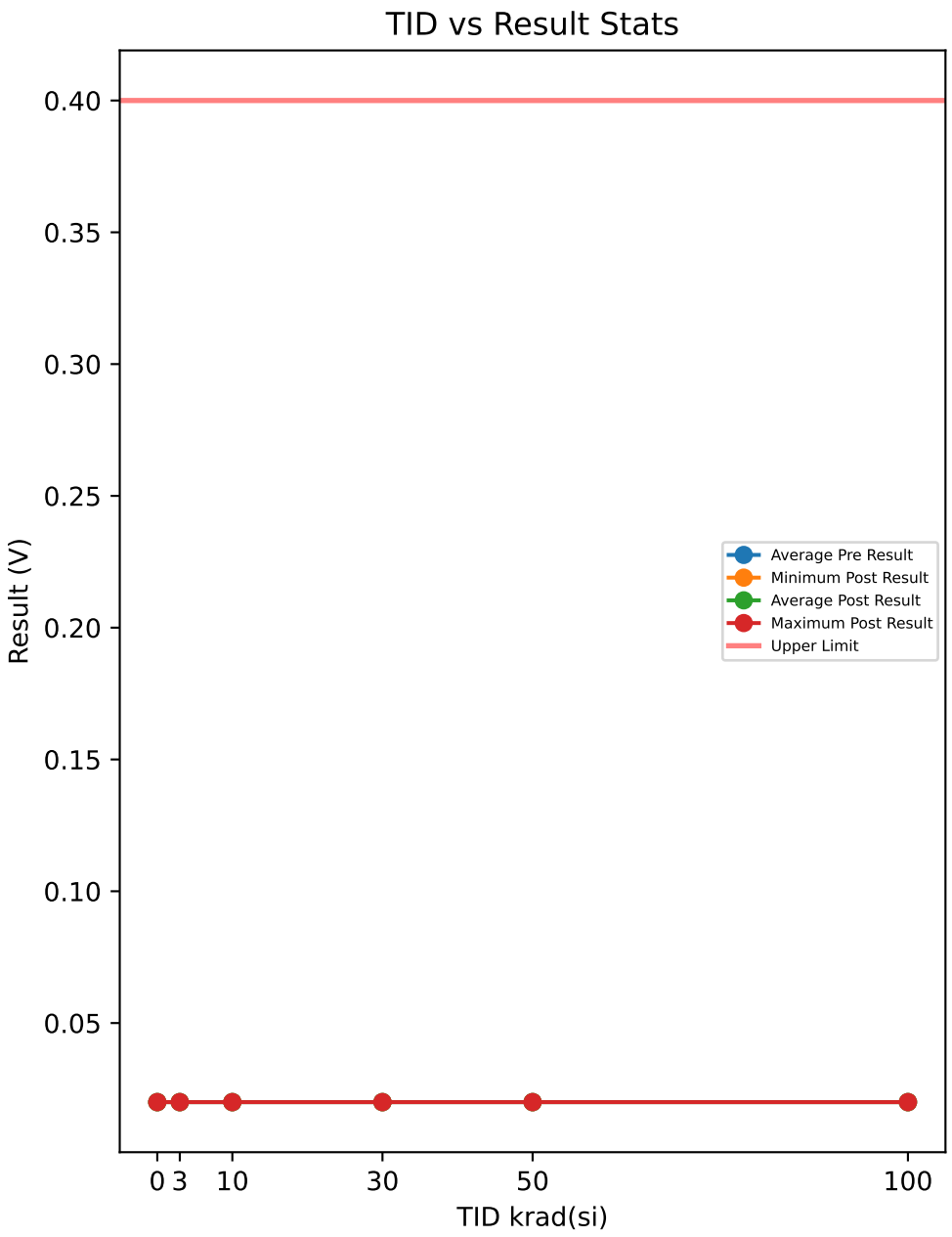
Test Results (Lower Limit = 4.5, Upper Limit = 5.2 (V))

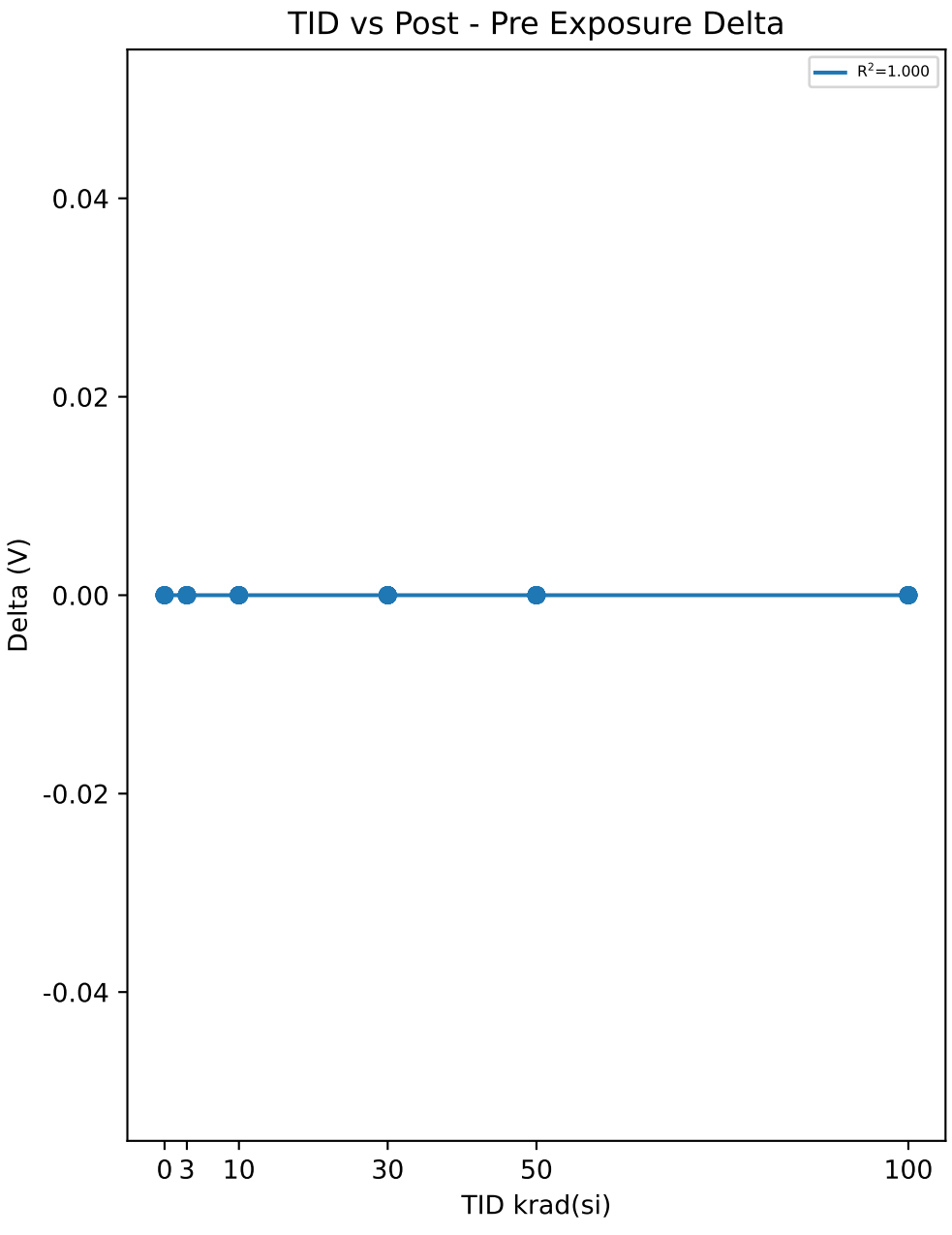
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	LDR Biased	5	5	0
2	3	LDR Biased	5	5	0
3	3	LDR Biased	5	5	0
4	3	LDR Biased	5	5	0
5	3	LDR Biased	5	5	0
6	10	LDR Biased	5	5	0
7	10	LDR Biased	5	5	0
8	10	LDR Biased	5	5	0
9	10	LDR Biased	5	5	0
10	10	LDR Biased	5	5	0
11	30	LDR Biased	5	5	0
12	30	LDR Biased	5	5	0
13	30	LDR Biased	5	5	0
14	30	LDR Biased	5	5	0
15	30	LDR Biased	5	5	0
16	50	LDR Biased	5	5	0
17	50	LDR Biased	5	5	0
18	50	LDR Biased	5	5	0
19	50	LDR Biased	5	5	0
20	50	LDR Biased	5	5	0
21	100	LDR Biased	5	5	0
22	100	LDR Biased	5	5	0
23	100	LDR Biased	5	5	0
24	100	LDR Biased	5	5	0
25	100	LDR Biased	5	5	0
26	3	LDR Unbiased	5	5	0
27	3	LDR Unbiased	5	5	0
28	3	LDR Unbiased	5	5	0
29	3	LDR Unbiased	5	5	0
30	3	LDR Unbiased	5	5	0
31	10	LDR Unbiased	5	5	0
32	10	LDR Unbiased	5	5	0
33	10	LDR Unbiased	5	5	0
34	10	LDR Unbiased	5	5	0
35	10	LDR Unbiased	5	5	0
36	30	LDR Unbiased	5	5	0
37	30	LDR Unbiased	5	5	0
38	30	LDR Unbiased	5	5	0
39	30	LDR Unbiased	5	5	0
40	30	LDR Unbiased	5	5	0
41	50	LDR Unbiased	5	5	0
42	50	LDR Unbiased	5	5	0
43	50	LDR Unbiased	5	5	0
44	50	LDR Unbiased	5	5	0
45	50	LDR Unbiased	5	5	0
46	100	LDR Unbiased	5	5	0
47	100	LDR Unbiased	5	5	0
48	100	LDR Unbiased	5	5	0
49	100	LDR Unbiased	5	5	0
50	100	LDR Unbiased	5	5	0
60	0	Correlation	5	5	0
61	0	Correlation	5	5	0
62	0	Correlation	5	5	0
63	0	Correlation	5	5	0
64	0	Correlation	5	5	0
65	0	Correlation	5	5	0

Test Statistics (V)

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	5	5	5	0	5	5	5	0	0	0	0	0
3	5	5	5	0	5	5	5	0	0	0	0	0
10	5	5	5	0	5	5	5	0	0	0	0	0
30	5	5	5	0	5	5	5	0	0	0	0	0
50	5	5	5	0	5	5	5	0	0	0	0	0
100	5	5	5	0	5	5	5	0	0	0	0	0

Device Test: 24.144 _LEVELS|VOL/SYNC1/14//511k//@SYNC_OUT_LOW





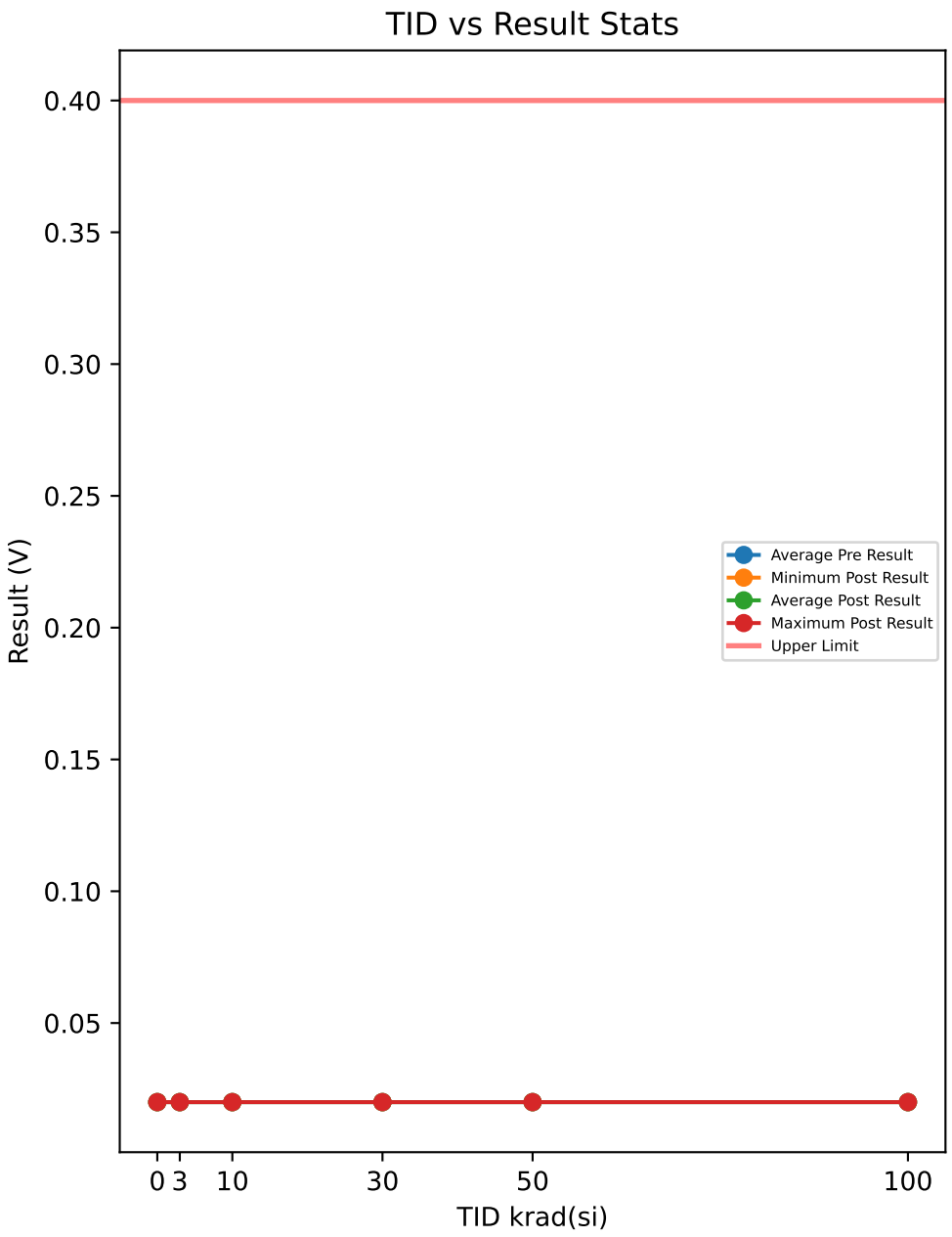
Test Results (Upper Limit = 0.4 (V))

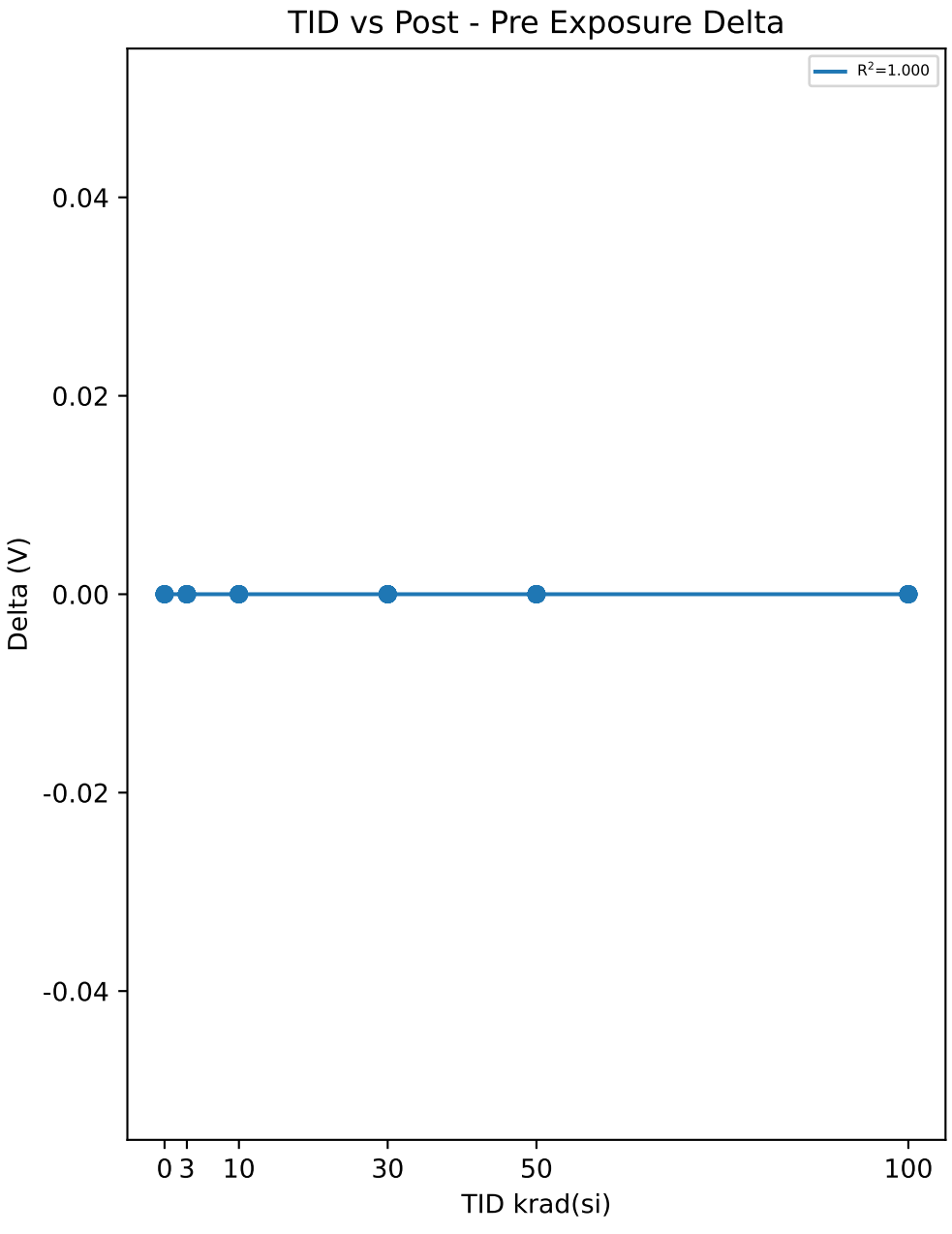
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	LDR Biased	0.02	0.02	0
2	3	LDR Biased	0.02	0.02	0
3	3	LDR Biased	0.02	0.02	0
4	3	LDR Biased	0.02	0.02	0
5	3	LDR Biased	0.02	0.02	0
6	10	LDR Biased	0.02	0.02	0
7	10	LDR Biased	0.02	0.02	0
8	10	LDR Biased	0.02	0.02	0
9	10	LDR Biased	0.02	0.02	0
10	10	LDR Biased	0.02	0.02	0
11	30	LDR Biased	0.02	0.02	0
12	30	LDR Biased	0.02	0.02	0
13	30	LDR Biased	0.02	0.02	0
14	30	LDR Biased	0.02	0.02	0
15	30	LDR Biased	0.02	0.02	0
16	50	LDR Biased	0.02	0.02	0
17	50	LDR Biased	0.02	0.02	0
18	50	LDR Biased	0.02	0.02	0
19	50	LDR Biased	0.02	0.02	0
20	50	LDR Biased	0.02	0.02	0
21	100	LDR Biased	0.02	0.02	0
22	100	LDR Biased	0.02	0.02	0
23	100	LDR Biased	0.02	0.02	0
24	100	LDR Biased	0.02	0.02	0
25	100	LDR Biased	0.02	0.02	0
26	3	LDR Unbiased	0.02	0.02	0
27	3	LDR Unbiased	0.02	0.02	0
28	3	LDR Unbiased	0.02	0.02	0
29	3	LDR Unbiased	0.02	0.02	0
30	3	LDR Unbiased	0.02	0.02	0
31	10	LDR Unbiased	0.02	0.02	0
32	10	LDR Unbiased	0.02	0.02	0
33	10	LDR Unbiased	0.02	0.02	0
34	10	LDR Unbiased	0.02	0.02	0
35	10	LDR Unbiased	0.02	0.02	0
36	30	LDR Unbiased	0.02	0.02	0
37	30	LDR Unbiased	0.02	0.02	0
38	30	LDR Unbiased	0.02	0.02	0
39	30	LDR Unbiased	0.02	0.02	0
40	30	LDR Unbiased	0.02	0.02	0
41	50	LDR Unbiased	0.02	0.02	0
42	50	LDR Unbiased	0.02	0.02	0
43	50	LDR Unbiased	0.02	0.02	0
44	50	LDR Unbiased	0.02	0.02	0
45	50	LDR Unbiased	0.02	0.02	0
46	100	LDR Unbiased	0.02	0.02	0
47	100	LDR Unbiased	0.02	0.02	0
48	100	LDR Unbiased	0.02	0.02	0
49	100	LDR Unbiased	0.02	0.02	0
50	100	LDR Unbiased	0.02	0.02	0
60	0	Correlation	0.02	0.02	0
61	0	Correlation	0.02	0.02	0
62	0	Correlation	0.02	0.02	0
63	0	Correlation	0.02	0.02	0
64	0	Correlation	0.02	0.02	0
65	0	Correlation	0.02	0.02	0

Test Statistics (V)

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	0.02	0.02	0.02	0	0.02	0.02	0.02	0	0	0	0	0
3	0.02	0.02	0.02	0	0.02	0.02	0.02	0	0	0	0	0
10	0.02	0.02	0.02	0	0.02	0.02	0.02	0	0	0	0	0
30	0.02	0.02	0.02	0	0.02	0.02	0.02	0	0	0	0	0
50	0.02	0.02	0.02	0	0.02	0.02	0.02	0	0	0	0	0
100	0.02	0.02	0.02	0	0.02	0.02	0.02	0	0	0	0	0

Device Test: 24.145 _LEVELS|VOL/SYNC2/14//511k//@SYNC_OUT_LOW





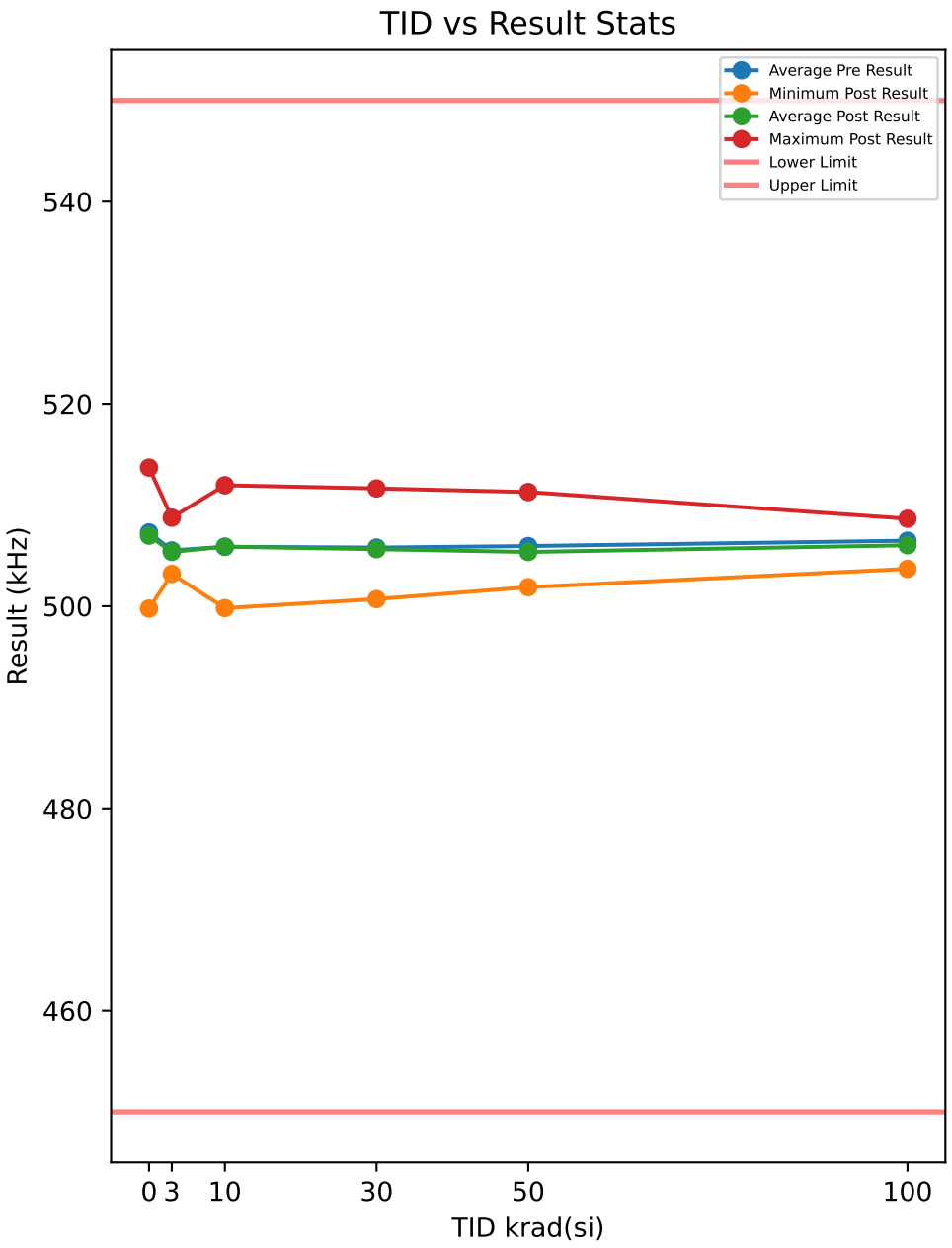
Test Results (Upper Limit = 0.4 (V))

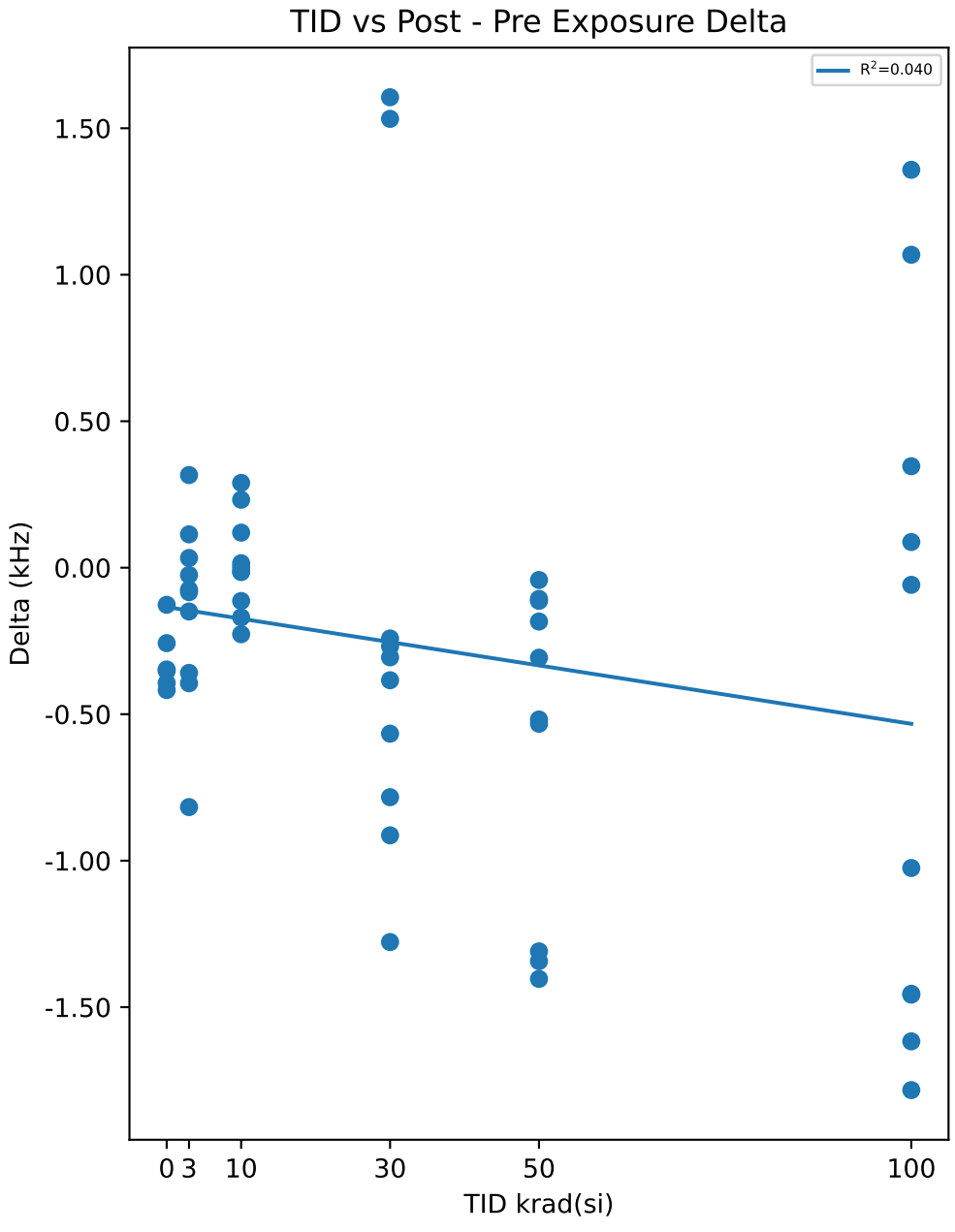
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	LDR Biased	0.02	0.02	0
2	3	LDR Biased	0.02	0.02	0
3	3	LDR Biased	0.02	0.02	0
4	3	LDR Biased	0.02	0.02	0
5	3	LDR Biased	0.02	0.02	0
6	10	LDR Biased	0.02	0.02	0
7	10	LDR Biased	0.02	0.02	0
8	10	LDR Biased	0.02	0.02	0
9	10	LDR Biased	0.02	0.02	0
10	10	LDR Biased	0.02	0.02	0
11	30	LDR Biased	0.02	0.02	0
12	30	LDR Biased	0.02	0.02	0
13	30	LDR Biased	0.02	0.02	0
14	30	LDR Biased	0.02	0.02	0
15	30	LDR Biased	0.02	0.02	0
16	50	LDR Biased	0.02	0.02	0
17	50	LDR Biased	0.02	0.02	0
18	50	LDR Biased	0.02	0.02	0
19	50	LDR Biased	0.02	0.02	0
20	50	LDR Biased	0.02	0.02	0
21	100	LDR Biased	0.02	0.02	0
22	100	LDR Biased	0.02	0.02	0
23	100	LDR Biased	0.02	0.02	0
24	100	LDR Biased	0.02	0.02	0
25	100	LDR Biased	0.02	0.02	0
26	3	LDR Unbiased	0.02	0.02	0
27	3	LDR Unbiased	0.02	0.02	0
28	3	LDR Unbiased	0.02	0.02	0
29	3	LDR Unbiased	0.02	0.02	0
30	3	LDR Unbiased	0.02	0.02	0
31	10	LDR Unbiased	0.02	0.02	0
32	10	LDR Unbiased	0.02	0.02	0
33	10	LDR Unbiased	0.02	0.02	0
34	10	LDR Unbiased	0.02	0.02	0
35	10	LDR Unbiased	0.02	0.02	0
36	30	LDR Unbiased	0.02	0.02	0
37	30	LDR Unbiased	0.02	0.02	0
38	30	LDR Unbiased	0.02	0.02	0
39	30	LDR Unbiased	0.02	0.02	0
40	30	LDR Unbiased	0.02	0.02	0
41	50	LDR Unbiased	0.02	0.02	0
42	50	LDR Unbiased	0.02	0.02	0
43	50	LDR Unbiased	0.02	0.02	0
44	50	LDR Unbiased	0.02	0.02	0
45	50	LDR Unbiased	0.02	0.02	0
46	100	LDR Unbiased	0.02	0.02	0
47	100	LDR Unbiased	0.02	0.02	0
48	100	LDR Unbiased	0.02	0.02	0
49	100	LDR Unbiased	0.02	0.02	0
50	100	LDR Unbiased	0.02	0.02	0
60	0	Correlation	0.02	0.02	0
61	0	Correlation	0.02	0.02	0
62	0	Correlation	0.02	0.02	0
63	0	Correlation	0.02	0.02	0
64	0	Correlation	0.02	0.02	0
65	0	Correlation	0.02	0.02	0

Test Statistics (V)

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	0.02	0.02	0.02	0	0.02	0.02	0.02	0	0	0	0	0
3	0.02	0.02	0.02	0	0.02	0.02	0.02	0	0	0	0	0
10	0.02	0.02	0.02	0	0.02	0.02	0.02	0	0	0	0	0
30	0.02	0.02	0.02	0	0.02	0.02	0.02	0	0	0	0	0
50	0.02	0.02	0.02	0	0.02	0.02	0.02	0	0	0	0	0
100	0.02	0.02	0.02	0	0.02	0.02	0.02	0	0	0	0	0

Device Test: 24.146 _FREQ|500kHz/SYNC1/14//90.9k//@EXT_SET_FREQ_500KHZ_14V





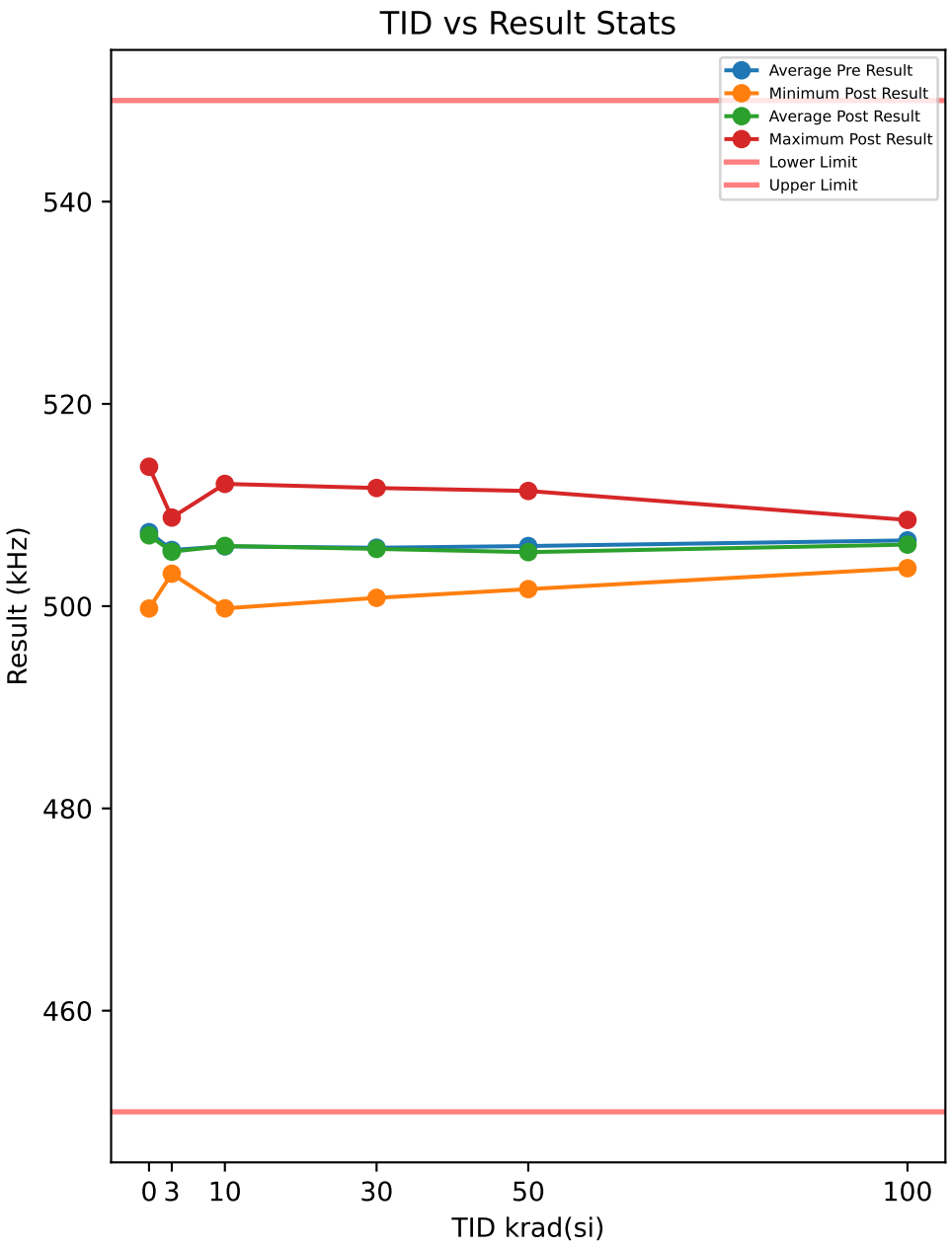
Test Results (Lower Limit = 450.0, Upper Limit = 550.0 (kHz))

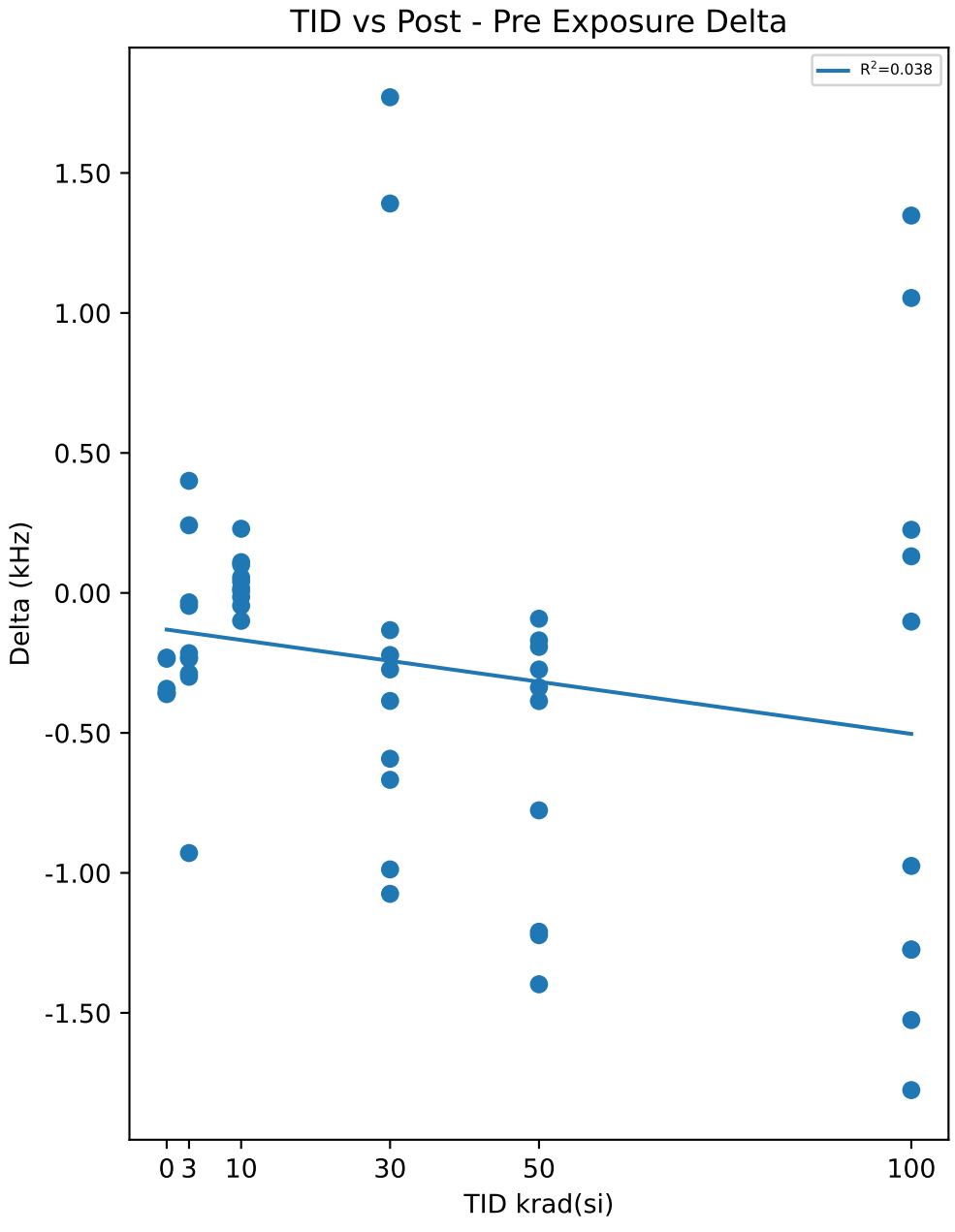
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	LDR Biased	503.33	503.44	0.1138
2	3	LDR Biased	504.8	504.84	0.0332
3	3	LDR Biased	508.44	508.75	0.3162
4	3	LDR Biased	506.2	506.13	-0.0751
5	3	LDR Biased	504.7	504.31	-0.3944
6	10	LDR Biased	509.47	509.24	-0.227
7	10	LDR Biased	499.58	499.81	0.2321
8	10	LDR Biased	504.69	504.98	0.2894
9	10	LDR Biased	502.35	502.47	0.1197
10	10	LDR Biased	505.48	505.47	-0.0132
11	30	LDR Biased	502.18	503.71	1.5321
12	30	LDR Biased	510.03	511.63	1.6058
13	30	LDR Biased	508.72	508.48	-0.2416
14	30	LDR Biased	506.25	505.86	-0.3841
15	30	LDR Biased	502.11	501.33	-0.7833
16	50	LDR Biased	505.46	505.16	-0.3072
17	50	LDR Biased	501.99	501.87	-0.1131
18	50	LDR Biased	507.78	507.26	-0.5182
19	50	LDR Biased	502.31	502.13	-0.1837
20	50	LDR Biased	508.48	508.44	-0.042
21	100	LDR Biased	505.82	507.18	1.3581
22	100	LDR Biased	505.14	503.68	-1.4572
23	100	LDR Biased	508.7	508.64	-0.0585
24	100	LDR Biased	504.36	504.71	0.3464
25	100	LDR Biased	509.03	508	-1.025
26	3	LDR Unbiased	503.75	503.72	-0.025
27	3	LDR Unbiased	507.22	506.86	-0.3591
28	3	LDR Unbiased	505.01	504.92	-0.0834
29	3	LDR Unbiased	507.6	507.45	-0.1495
30	3	LDR Unbiased	504	503.19	-0.8171
31	10	LDR Unbiased	509.49	509.38	-0.1136
32	10	LDR Unbiased	505.7	505.69	-0.0149
33	10	LDR Unbiased	511.93	511.95	0.0152
34	10	LDR Unbiased	507.66	507.49	-0.1696
35	10	LDR Unbiased	502.33	502.34	0.003
36	30	LDR Unbiased	508.52	508.22	-0.306
37	30	LDR Unbiased	506.51	505.6	-0.9136
38	30	LDR Unbiased	502.93	502.66	-0.268
39	30	LDR Unbiased	501.98	500.7	-1.2777
40	30	LDR Unbiased	508.7	508.13	-0.5665
41	50	LDR Unbiased	505.92	504.61	-1.3096
42	50	LDR Unbiased	503.98	502.57	-1.4035
43	50	LDR Unbiased	506.87	505.52	-1.3428
44	50	LDR Unbiased	511.39	511.28	-0.1065
45	50	LDR Unbiased	505.24	504.71	-0.5326
46	100	LDR Unbiased	506.44	507.51	1.0682
47	100	LDR Unbiased	505.38	503.76	-1.6167
48	100	LDR Unbiased	506.94	505.16	-1.7831
49	100	LDR Unbiased	504.44	504.52	0.0877
50	100	LDR Unbiased	508.48	507.02	-1.4543
60	0	Correlation	507.56	507.15	-0.4176
61	0	Correlation	509.5	509.11	-0.3933
62	0	Correlation	500.11	499.76	-0.3474
63	0	Correlation	505.16	505.04	-0.1266
64	0	Correlation	514.05	513.69	-0.352
65	0	Correlation	507.36	507.1	-0.2575

Test Statistics (kHz)

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	500.11	507.29	514.05	4.6188	499.76	506.97	513.69	4.5933	-0.4176	-0.31573	-0.1266	0.10759
3	503.33	505.5	508.44	1.761	503.19	505.36	508.75	1.8682	-0.8171	-0.14404	0.3162	0.31522
10	499.58	505.87	511.93	3.8307	499.81	505.88	511.95	3.7265	-0.227	0.01211	0.2894	0.16476
30	501.98	505.79	510.03	3.2055	500.7	505.63	511.63	3.5349	-1.2777	-0.16029	1.6058	0.96851
50	501.99	505.94	511.39	2.8622	501.87	505.36	511.28	2.9733	-1.4035	-0.58592	-0.042	0.55389
100	504.36	506.47	509.03	1.755	503.68	506.02	508.64	1.8446	-1.7831	-0.45344	1.3581	1.1615

Device Test: 24.147 _FREQ|500kHz/SYNC2/14//90.9k//@EXT_SET_FREQ_500KHZ_14V





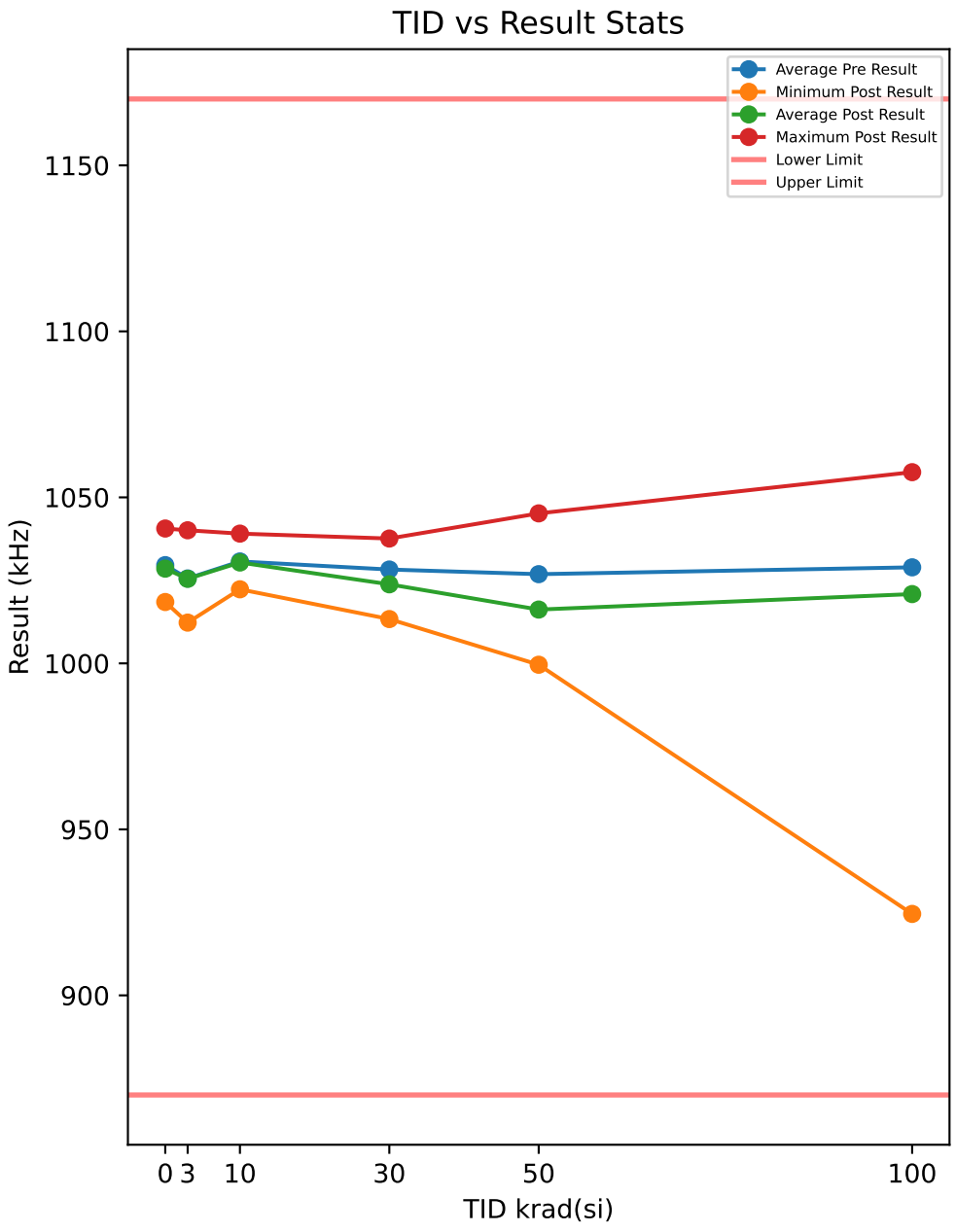
Test Results (Lower Limit = 450.0, Upper Limit = 550.0 (kHz))

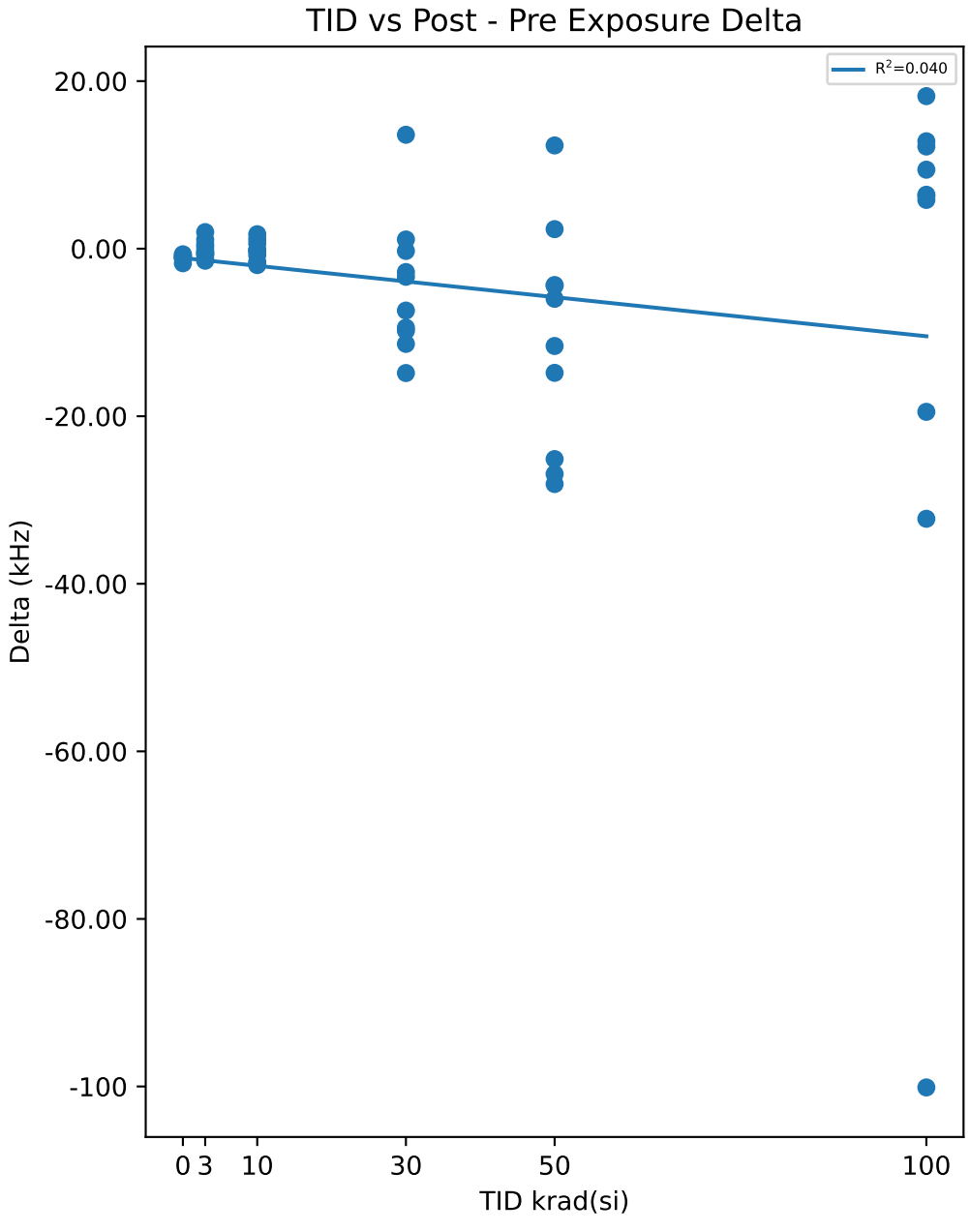
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	LDR Biased	503.32	503.56	0.2416
2	3	LDR Biased	504.9	504.86	-0.0337
3	3	LDR Biased	508.36	508.76	0.4004
4	3	LDR Biased	506.27	506.22	-0.0461
5	3	LDR Biased	504.64	504.35	-0.2876
6	10	LDR Biased	509.55	509.5	-0.0455
7	10	LDR Biased	499.67	499.78	0.1099
8	10	LDR Biased	504.81	505.04	0.2292
9	10	LDR Biased	502.52	502.54	0.0164
10	10	LDR Biased	505.37	505.43	0.0555
11	30	LDR Biased	502.26	503.65	1.3909
12	30	LDR Biased	509.91	511.68	1.7705
13	30	LDR Biased	508.62	508.4	-0.2219
14	30	LDR Biased	506.28	505.89	-0.3858
15	30	LDR Biased	502.04	501.38	-0.6677
16	50	LDR Biased	505.42	505.15	-0.2736
17	50	LDR Biased	501.85	501.68	-0.1696
18	50	LDR Biased	507.76	507.37	-0.3862
19	50	LDR Biased	502.42	502.08	-0.3375
20	50	LDR Biased	508.56	508.37	-0.1928
21	100	LDR Biased	505.95	507.3	1.3479
22	100	LDR Biased	505.11	503.84	-1.2744
23	100	LDR Biased	508.63	508.52	-0.1024
24	100	LDR Biased	504.44	504.67	0.2255
25	100	LDR Biased	509.03	508.06	-0.9752
26	3	LDR Unbiased	503.84	503.63	-0.2152
27	3	LDR Unbiased	507.28	506.98	-0.2995
28	3	LDR Unbiased	505.06	504.83	-0.2306
29	3	LDR Unbiased	507.73	507.49	-0.2341
30	3	LDR Unbiased	504.14	503.21	-0.9291
31	10	LDR Unbiased	509.6	509.5	-0.0997
32	10	LDR Unbiased	505.76	505.8	0.041
33	10	LDR Unbiased	511.99	512.09	0.1005
34	10	LDR Unbiased	507.55	507.53	-0.0144
35	10	LDR Unbiased	502.31	502.32	0.0072
36	30	LDR Unbiased	508.48	508.35	-0.1329
37	30	LDR Unbiased	506.6	505.61	-0.9877
38	30	LDR Unbiased	503.01	502.73	-0.2733
39	30	LDR Unbiased	501.9	500.82	-1.0749
40	30	LDR Unbiased	508.67	508.08	-0.5923
41	50	LDR Unbiased	505.88	504.66	-1.2224
42	50	LDR Unbiased	503.81	502.6	-1.2102
43	50	LDR Unbiased	506.95	505.56	-1.3979
44	50	LDR Unbiased	511.48	511.39	-0.0921
45	50	LDR Unbiased	505.31	504.53	-0.7766
46	100	LDR Unbiased	506.6	507.65	1.0536
47	100	LDR Unbiased	505.53	503.75	-1.7759
48	100	LDR Unbiased	506.83	505.3	-1.5257
49	100	LDR Unbiased	504.43	504.56	0.1308
50	100	LDR Unbiased	508.47	507.19	-1.2737
60	0	Correlation	507.64	507.28	-0.3615
61	0	Correlation	509.53	509.17	-0.3571
62	0	Correlation	500	499.76	-0.231
63	0	Correlation	505.29	504.95	-0.3425
64	0	Correlation	514.14	513.79	-0.3566
65	0	Correlation	507.31	507.08	-0.2352

Test Statistics (kHz)

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	500	507.32	514.14	4.6756	499.76	507	513.79	4.6351	-0.3615	-0.31398	-0.231	0.062991
3	503.32	505.55	508.36	1.7489	503.21	505.39	508.76	1.8822	-0.9291	-0.16339	0.4004	0.35667
10	499.67	505.91	511.99	3.8212	499.78	505.95	512.09	3.793	-0.0997	0.04001	0.2292	0.091895
30	501.9	505.78	509.91	3.1775	500.82	505.66	511.68	3.5164	-1.0749	-0.11751	1.7705	0.95156
50	501.85	505.94	511.48	2.9098	501.68	505.34	511.39	3.0289	-1.3979	-0.60589	-0.0921	0.50082
100	504.43	506.5	509.03	1.7191	503.75	506.08	508.52	1.8379	-1.7759	-0.41695	1.3479	1.1028

Device Test: 24.148 _FREQ|1MHz/SYNC1/14//34.8k//@EXT_SET_FREQ_1000KHZ14V





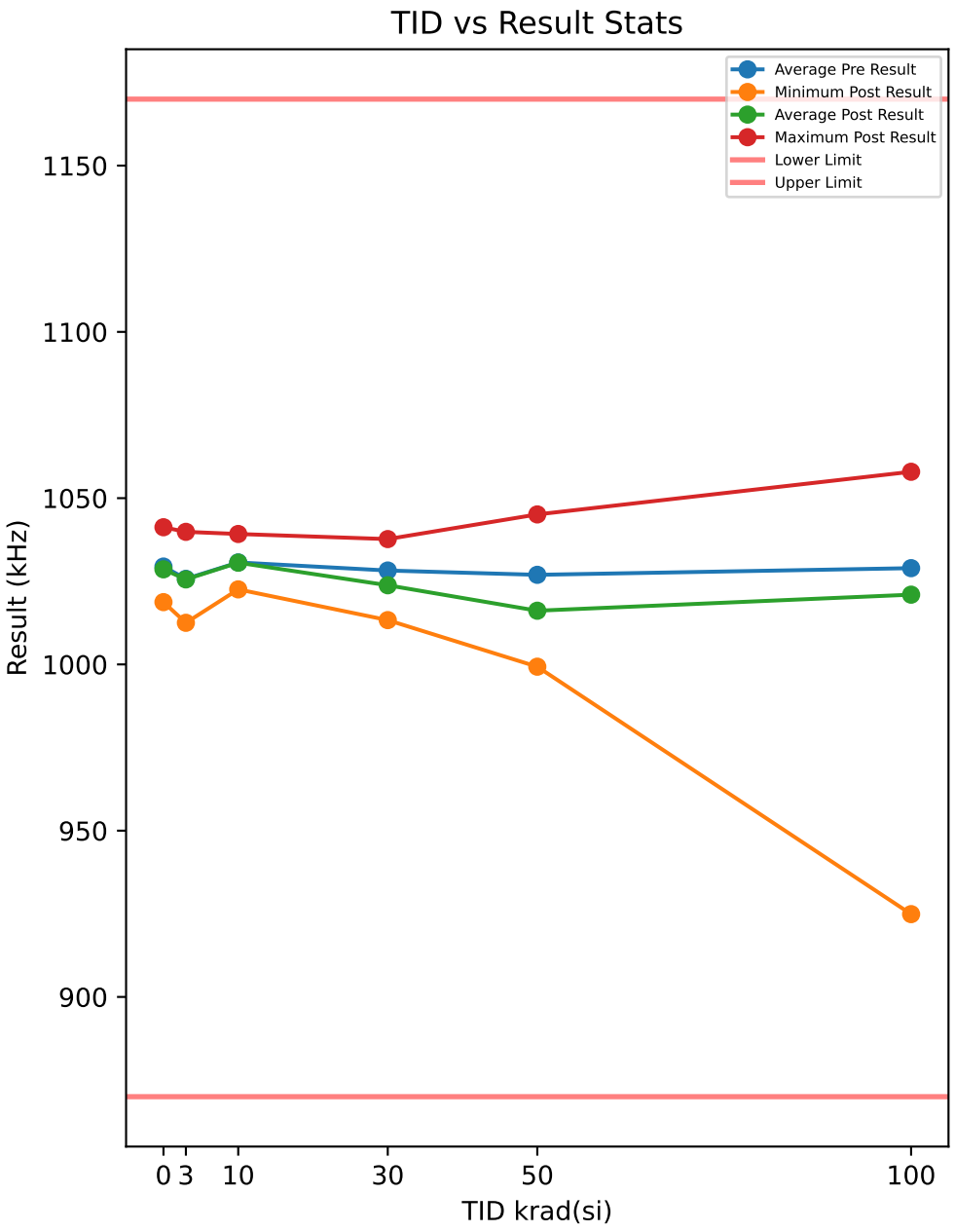
Test Results (Lower Limit = 870.0, Upper Limit = 1170.0 (kHz))

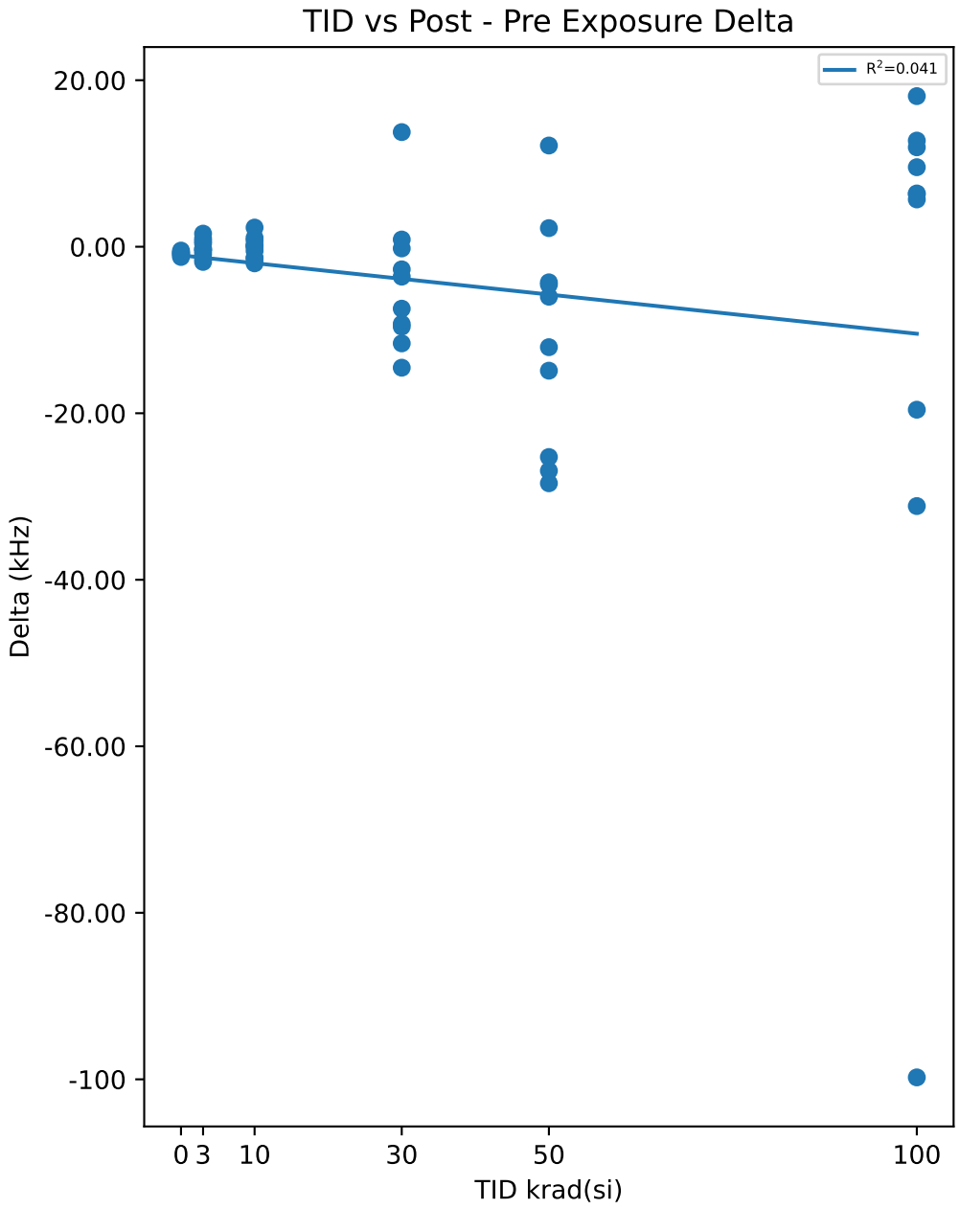
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	LDR Biased	1012.8	1012.3	-0.5089
2	3	LDR Biased	1033.5	1034.6	1.071
3	3	LDR Biased	1038.1	1040.1	1.9766
4	3	LDR Biased	1031.2	1031.8	0.5347
5	3	LDR Biased	1021.8	1022	0.1983
6	10	LDR Biased	1036.8	1036.6	-0.1749
7	10	LDR Biased	1021.7	1022.9	1.1491
8	10	LDR Biased	1035.1	1033.1	-1.9577
9	10	LDR Biased	1020.6	1022.3	1.7261
10	10	LDR Biased	1029.5	1030.1	0.6105
11	30	LDR Biased	1024	1037.6	13.597
12	30	LDR Biased	1028.2	1016.8	-11.365
13	30	LDR Biased	1028.8	1014	-14.844
14	30	LDR Biased	1034.1	1031.3	-2.7883
15	30	LDR Biased	1021.4	1021.1	-0.2706
16	50	LDR Biased	1032.9	1045.2	12.322
17	50	LDR Biased	1024.9	1027.3	2.3311
18	50	LDR Biased	1027.2	1002.1	-25.116
19	50	LDR Biased	1023.5	1011.9	-11.615
20	50	LDR Biased	1026.7	999.84	-26.893
21	100	LDR Biased	1029.8	1036.1	6.295
22	100	LDR Biased	1022.4	1031.9	9.4278
23	100	LDR Biased	1039.4	1057.6	18.208
24	100	LDR Biased	1029.3	1042.1	12.82
25	100	LDR Biased	1028.9	1009.4	-19.475
26	3	LDR Unbiased	1016.2	1014.9	-1.2892
27	3	LDR Unbiased	1023.8	1023	-0.7937
28	3	LDR Unbiased	1034.7	1034.4	-0.2633
29	3	LDR Unbiased	1024.5	1023.9	-0.5893
30	3	LDR Unbiased	1019.1	1017.7	-1.4372
31	10	LDR Unbiased	1039.8	1039.1	-0.7646
32	10	LDR Unbiased	1029.4	1029.3	-0.1302
33	10	LDR Unbiased	1037.8	1036	-1.7849
34	10	LDR Unbiased	1031.2	1029.7	-1.5747
35	10	LDR Unbiased	1025	1024.7	-0.2978
36	30	LDR Unbiased	1028.1	1018.6	-9.4313
37	30	LDR Unbiased	1031.3	1021.5	-9.7919
38	30	LDR Unbiased	1030.5	1031.6	1.0978
39	30	LDR Unbiased	1020.7	1013.3	-7.3877
40	30	LDR Unbiased	1035.5	1032.2	-3.3561
41	50	LDR Unbiased	1030.6	1026.2	-4.415
42	50	LDR Unbiased	1026	1021.6	-4.3428
43	50	LDR Unbiased	1027	1021	-5.9839
44	50	LDR Unbiased	1027.7	999.59	-28.091
45	50	LDR Unbiased	1022.2	1007.4	-14.821
46	100	LDR Unbiased	1035.9	1048.1	12.193
47	100	LDR Unbiased	1029.4	1035.9	6.4393
48	100	LDR Unbiased	1033.5	1039.3	5.8185
49	100	LDR Unbiased	1024.6	924.53	-100.11
50	100	LDR Unbiased	1016	983.73	-32.24
60	0	Correlation	1026.2	1025.5	-0.6693
61	0	Correlation	1030.8	1029.8	-0.9888
62	0	Correlation	1019.3	1018.5	-0.7786
63	0	Correlation	1029.1	1028	-1.0796
64	0	Correlation	1042.4	1040.6	-1.7411
65	0	Correlation	1029.9	1028.7	-1.1249

Test Statistics (kHz)

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	1019.3	1029.6	1042.4	7.5224	1018.5	1028.5	1040.6	7.1825	-1.7411	-1.0637	-0.6693	0.37558
3	1012.8	1025.6	1038.1	8.4736	1012.3	1025.5	1040.1	9.3246	-1.4372	-0.1101	1.9766	1.0693
10	1020.6	1030.7	1039.8	6.743	1022.3	1030.4	1039.1	5.865	-1.9577	-0.31991	1.7261	1.2413
30	1020.7	1028.3	1035.5	4.9821	1013.3	1023.8	1037.6	8.6341	-14.844	-4.454	13.597	8.1359
50	1022.2	1026.9	1032.9	3.138	999.59	1016.2	1045.2	14.73	-28.091	-10.662	12.322	13.301
100	1016	1028.9	1039.4	6.7379	924.53	1020.9	1057.6	39.794	-100.11	-8.0626	18.208	35.962

Device Test: 24.149 _FREQ|1MHz/SYNC2/14//34.8k//@EXT_SET_FREQ_1000KHZ14V





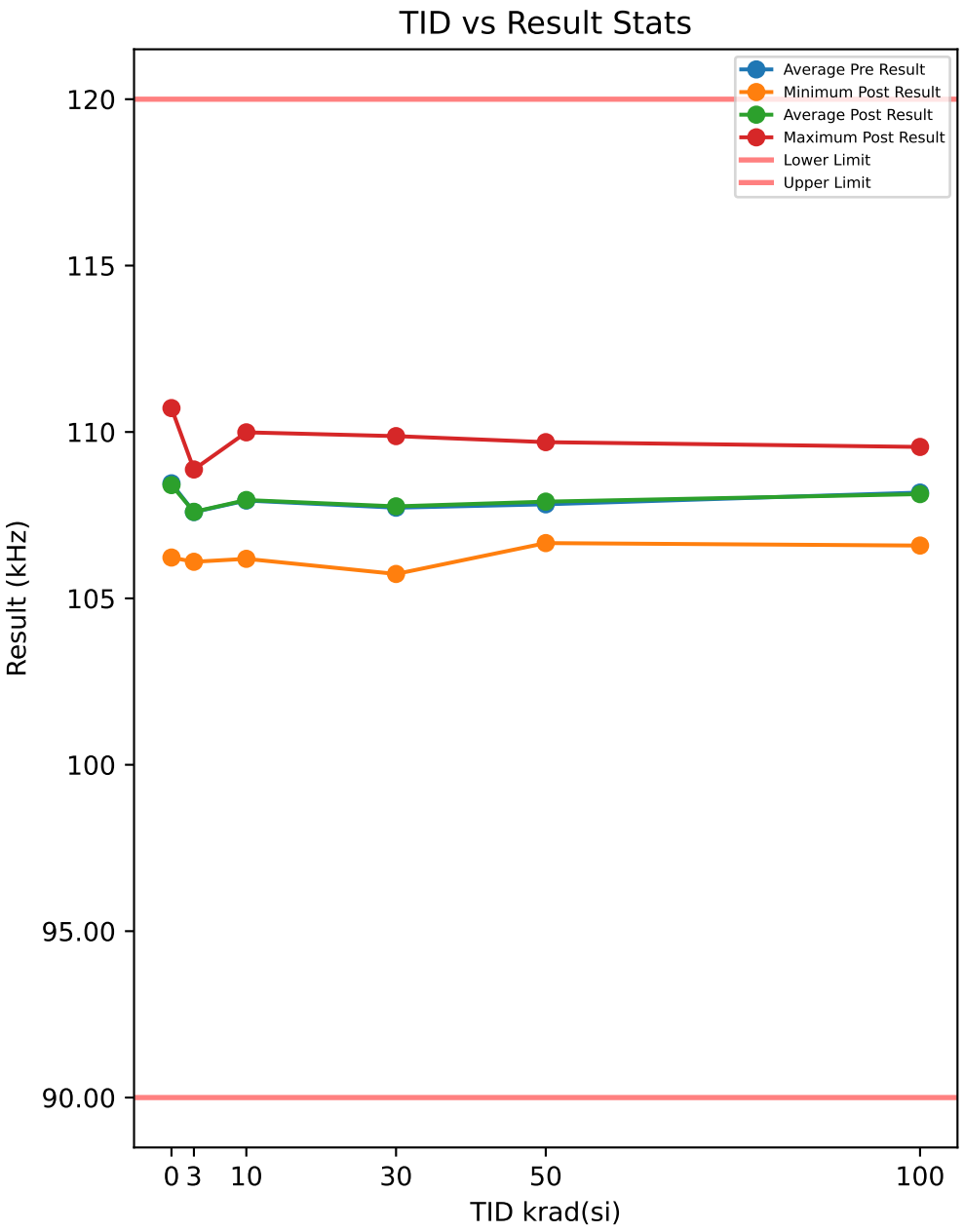
Test Results (Lower Limit = 870.0, Upper Limit = 1170.0 (kHz))

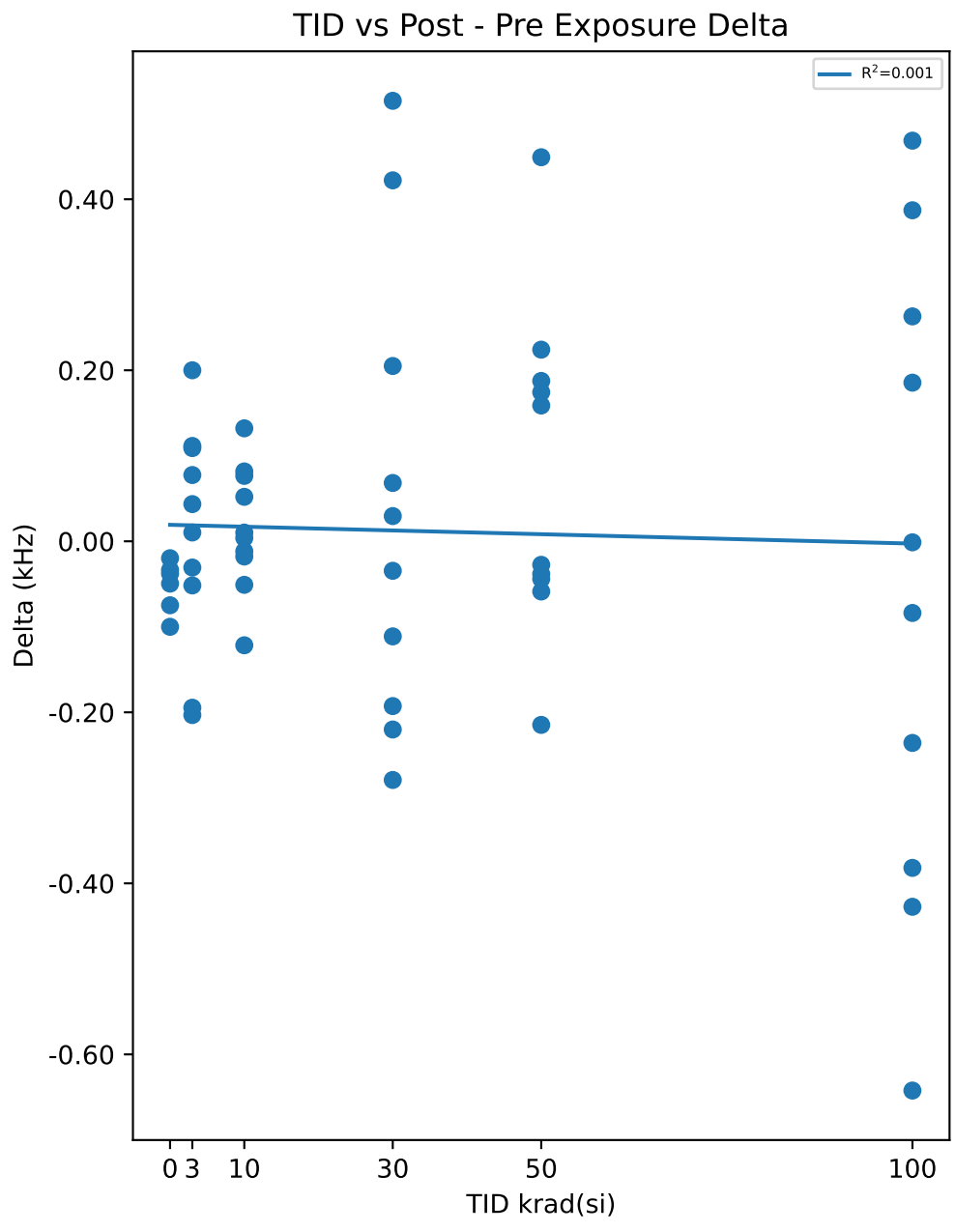
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	LDR Biased	1012.8	1012.5	-0.305
2	3	LDR Biased	1033.7	1034.7	0.9789
3	3	LDR Biased	1038.3	1039.9	1.5732
4	3	LDR Biased	1031.3	1032	0.6658
5	3	LDR Biased	1022	1022.4	0.4019
6	10	LDR Biased	1036.9	1036.9	-0.0053
7	10	LDR Biased	1021.9	1023	1.076
8	10	LDR Biased	1035	1033	-1.994
9	10	LDR Biased	1020.3	1022.6	2.3022
10	10	LDR Biased	1029.5	1030.3	0.7584
11	30	LDR Biased	1023.9	1037.7	13.768
12	30	LDR Biased	1028.2	1016.6	-11.607
13	30	LDR Biased	1028.8	1014.3	-14.529
14	30	LDR Biased	1033.7	1031	-2.7152
15	30	LDR Biased	1021.4	1021.2	-0.2024
16	50	LDR Biased	1033	1045.1	12.157
17	50	LDR Biased	1024.9	1027.1	2.2356
18	50	LDR Biased	1027.4	1002.1	-25.258
19	50	LDR Biased	1023.5	1011.4	-12.064
20	50	LDR Biased	1026.7	999.79	-26.909
21	100	LDR Biased	1030	1036.4	6.3968
22	100	LDR Biased	1022.5	1032.1	9.5522
23	100	LDR Biased	1039.8	1057.9	18.09
24	100	LDR Biased	1029.1	1041.9	12.749
25	100	LDR Biased	1028.9	1009.3	-19.573
26	3	LDR Unbiased	1016.5	1015.1	-1.4764
27	3	LDR Unbiased	1023.8	1022.9	-0.8988
28	3	LDR Unbiased	1034.6	1034.3	-0.2753
29	3	LDR Unbiased	1024.8	1024.2	-0.5122
30	3	LDR Unbiased	1019.5	1017.7	-1.8225
31	10	LDR Unbiased	1039.7	1039.2	-0.4899
32	10	LDR Unbiased	1029.3	1029.5	0.1713
33	10	LDR Unbiased	1037.7	1036.3	-1.4024
34	10	LDR Unbiased	1031.2	1029.9	-1.3169
35	10	LDR Unbiased	1025	1025.2	0.1443
36	30	LDR Unbiased	1027.9	1018.6	-9.27
37	30	LDR Unbiased	1031.3	1021.7	-9.5985
38	30	LDR Unbiased	1030.7	1031.5	0.8669
39	30	LDR Unbiased	1020.8	1013.3	-7.4397
40	30	LDR Unbiased	1035.6	1032	-3.5933
41	50	LDR Unbiased	1030.7	1026.2	-4.5498
42	50	LDR Unbiased	1026.4	1022.1	-4.2771
43	50	LDR Unbiased	1027	1021	-6.0024
44	50	LDR Unbiased	1027.7	999.31	-28.408
45	50	LDR Unbiased	1022.2	1007.4	-14.888
46	100	LDR Unbiased	1036.1	1048.1	11.943
47	100	LDR Unbiased	1029.5	1035.8	6.3353
48	100	LDR Unbiased	1033.5	1039.2	5.6807
49	100	LDR Unbiased	1024.7	924.9	-99.768
50	100	LDR Unbiased	1015.2	984.05	-31.148
60	0	Correlation	1026.1	1025.2	-0.8314
61	0	Correlation	1030.8	1029.6	-1.2297
62	0	Correlation	1019.2	1018.7	-0.4612
63	0	Correlation	1029.1	1028.1	-1.036
64	0	Correlation	1041.9	1041.3	-0.6693
65	0	Correlation	1029.4	1028.6	-0.7809

Test Statistics (kHz)

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	1019.2	1029.4	1041.9	7.4068	1018.7	1028.6	1041.3	7.3503	-1.2297	-0.83475	-0.4612	0.27067
3	1012.8	1025.7	1038.3	8.4376	1012.5	1025.6	1039.9	9.2386	-1.8225	-0.16704	1.5732	1.0801
10	1020.3	1030.7	1039.7	6.7396	1022.6	1030.6	1039.2	5.8289	-1.994	-0.07563	2.3022	1.2885
30	1020.8	1028.2	1035.6	4.9595	1013.3	1023.8	1037.7	8.579	-14.529	-4.432	13.768	8.1202
50	1022.2	1026.9	1033	3.1559	999.31	1016.1	1045.1	14.777	-28.408	-10.796	12.157	13.327
100	1015.2	1028.9	1039.8	7.0032	924.9	1021	1057.9	39.696	-99.768	-7.9741	18.09	35.758

Device Test: 24.15 _FREQ|100kHz/SYNC2/4.5//511k//@EXT_SET_FREQ_100KHZ_4V





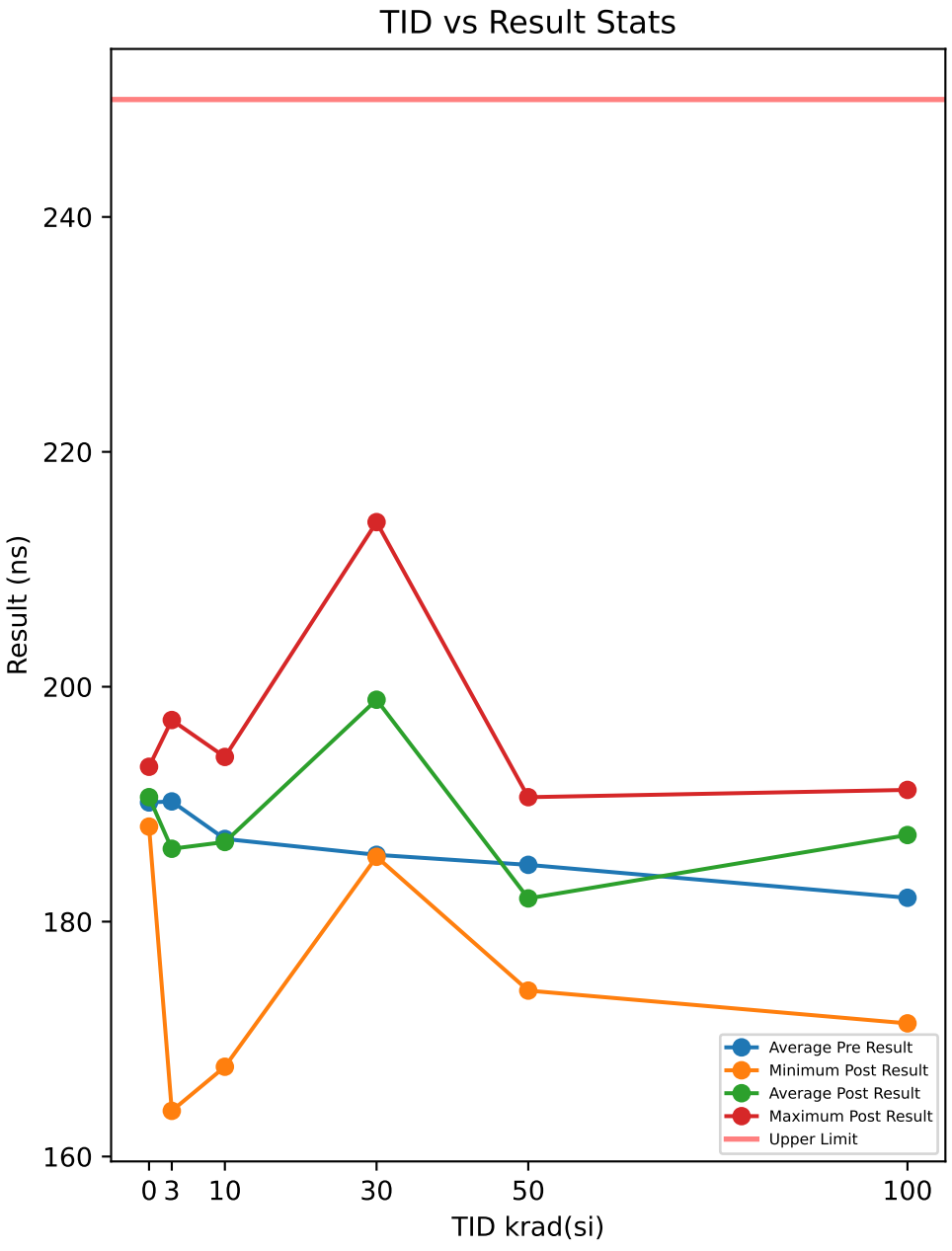
Test Results (Lower Limit = 90.0, Upper Limit = 120.0 (kHz))

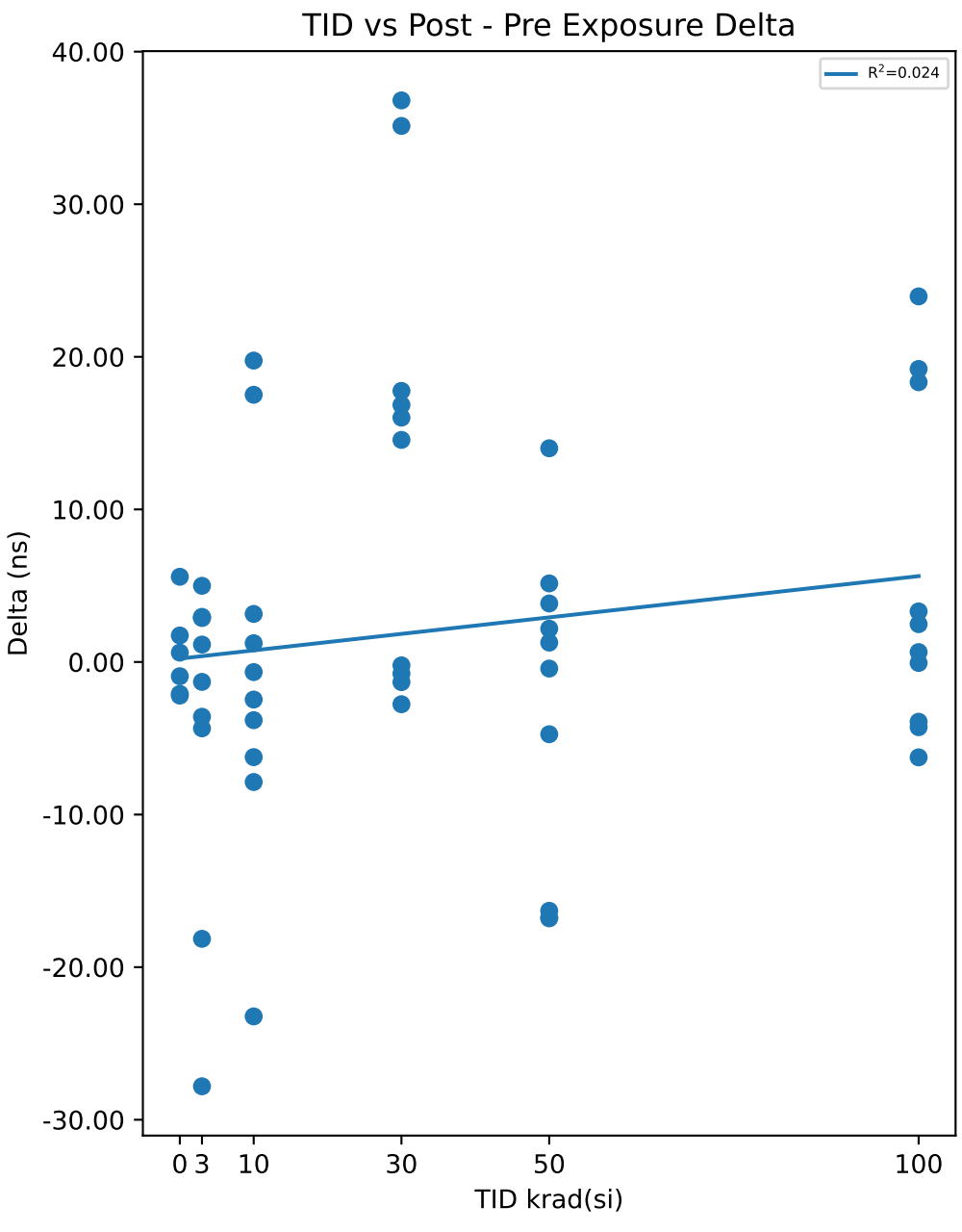
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	LDR Biased	107.16	107.17	0.0103
2	3	LDR Biased	108.26	108.3	0.0435
3	3	LDR Biased	108.67	108.87	0.2
4	3	LDR Biased	107.79	107.91	0.1115
5	3	LDR Biased	107.48	107.43	-0.0516
6	10	LDR Biased	110.11	109.99	-0.1216
7	10	LDR Biased	106.25	106.31	0.052
8	10	LDR Biased	108.91	108.99	0.0817
9	10	LDR Biased	106.21	106.19	-0.0178
10	10	LDR Biased	107.49	107.47	-0.0117
11	30	LDR Biased	106.21	106.73	0.5151
12	30	LDR Biased	109.45	109.88	0.4221
13	30	LDR Biased	108.22	108	-0.2201
14	30	LDR Biased	108.87	108.9	0.0295
15	30	LDR Biased	105.97	105.77	-0.1927
16	50	LDR Biased	108.88	109.11	0.2241
17	50	LDR Biased	106.69	106.66	-0.0275
18	50	LDR Biased	107.06	107.22	0.1588
19	50	LDR Biased	106.81	106.76	-0.044
20	50	LDR Biased	108.28	108.45	0.1743
21	100	LDR Biased	107.48	107.95	0.4685
22	100	LDR Biased	108.26	108.02	-0.2358
23	100	LDR Biased	109.37	109.55	0.1855
24	100	LDR Biased	107.94	108.2	0.263
25	100	LDR Biased	107.96	107.96	-0.0012
26	3	LDR Unbiased	106.33	106.44	0.109
27	3	LDR Unbiased	107.42	107.22	-0.1946
28	3	LDR Unbiased	107.95	107.92	-0.0307
29	3	LDR Unbiased	108.57	108.65	0.0775
30	3	LDR Unbiased	106.3	106.1	-0.2032
31	10	LDR Unbiased	109.46	109.46	0.0039
32	10	LDR Unbiased	107.86	107.87	0.0102
33	10	LDR Unbiased	108.94	108.89	-0.0509
34	10	LDR Unbiased	107.55	107.63	0.0765
35	10	LDR Unbiased	106.62	106.75	0.1321
36	30	LDR Unbiased	108.17	108.14	-0.0345
37	30	LDR Unbiased	108.7	108.42	-0.2791
38	30	LDR Unbiased	106.77	106.97	0.205
39	30	LDR Unbiased	105.84	105.73	-0.1112
40	30	LDR Unbiased	109.04	109.11	0.0682
41	50	LDR Unbiased	108.05	107.84	-0.2147
42	50	LDR Unbiased	107.37	107.34	-0.0382
43	50	LDR Unbiased	108.71	108.65	-0.0587
44	50	LDR Unbiased	109.51	109.69	0.1875
45	50	LDR Unbiased	106.9	107.35	0.4491
46	100	LDR Unbiased	108.88	109.27	0.3871
47	100	LDR Unbiased	107.99	107.61	-0.3819
48	100	LDR Unbiased	108.97	108.33	-0.6423
49	100	LDR Unbiased	106.67	106.59	-0.0838
50	100	LDR Unbiased	108.27	107.85	-0.4274
60	0	Correlation	108.51	108.41	-0.1
61	0	Correlation	108.5	108.46	-0.0379
62	0	Correlation	106.3	106.23	-0.0748
63	0	Correlation	107.88	107.84	-0.0335
64	0	Correlation	110.77	110.72	-0.0495
65	0	Correlation	108.79	108.77	-0.0198

Test Statistics (kHz)

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	106.3	108.46	110.77	1.4447	106.23	108.4	110.72	1.4523	-0.1	-0.052583	-0.0198	0.029685
3	106.3	107.59	108.67	0.83135	106.1	107.6	108.87	0.90427	-0.2032	0.00717	0.2	0.13105
10	106.21	107.94	110.11	1.3713	106.19	107.96	109.99	1.3332	-0.1216	0.01544	0.1321	0.073218
30	105.84	107.72	109.45	1.3848	105.73	107.77	109.88	1.4129	-0.2791	0.04023	0.5151	0.26913
50	106.69	107.83	109.51	0.99761	106.66	107.91	109.69	1.025	-0.2147	0.08107	0.4491	0.19167
100	106.67	108.18	109.37	0.77745	106.59	108.13	109.55	0.8272	-0.6423	-0.04683	0.4685	0.37338

Device Test: 24.151 _TIMING|MINON/SW/14//511k//@ON_TIME_MIN_14V





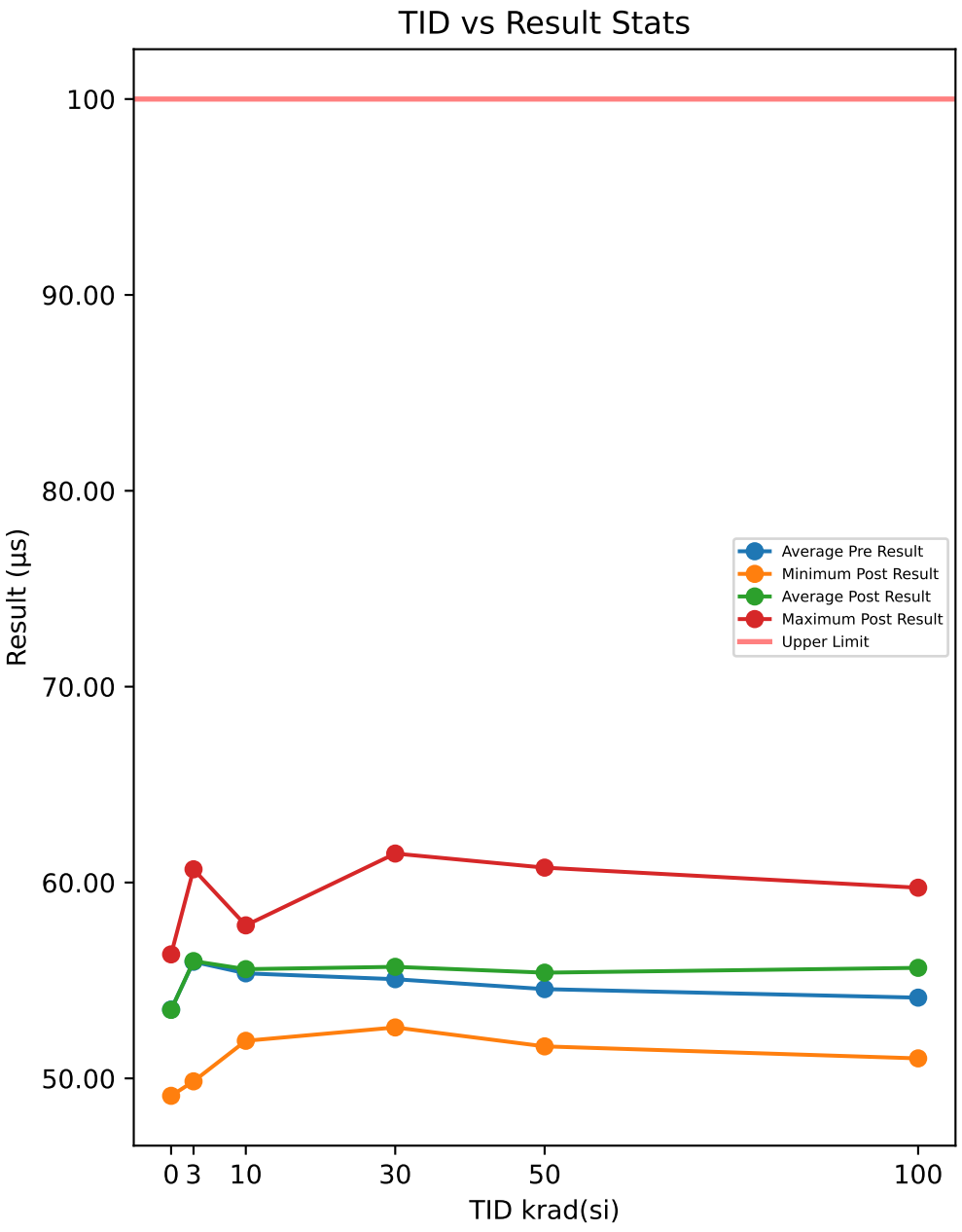
Test Results (Upper Limit = 250.0 (ns))

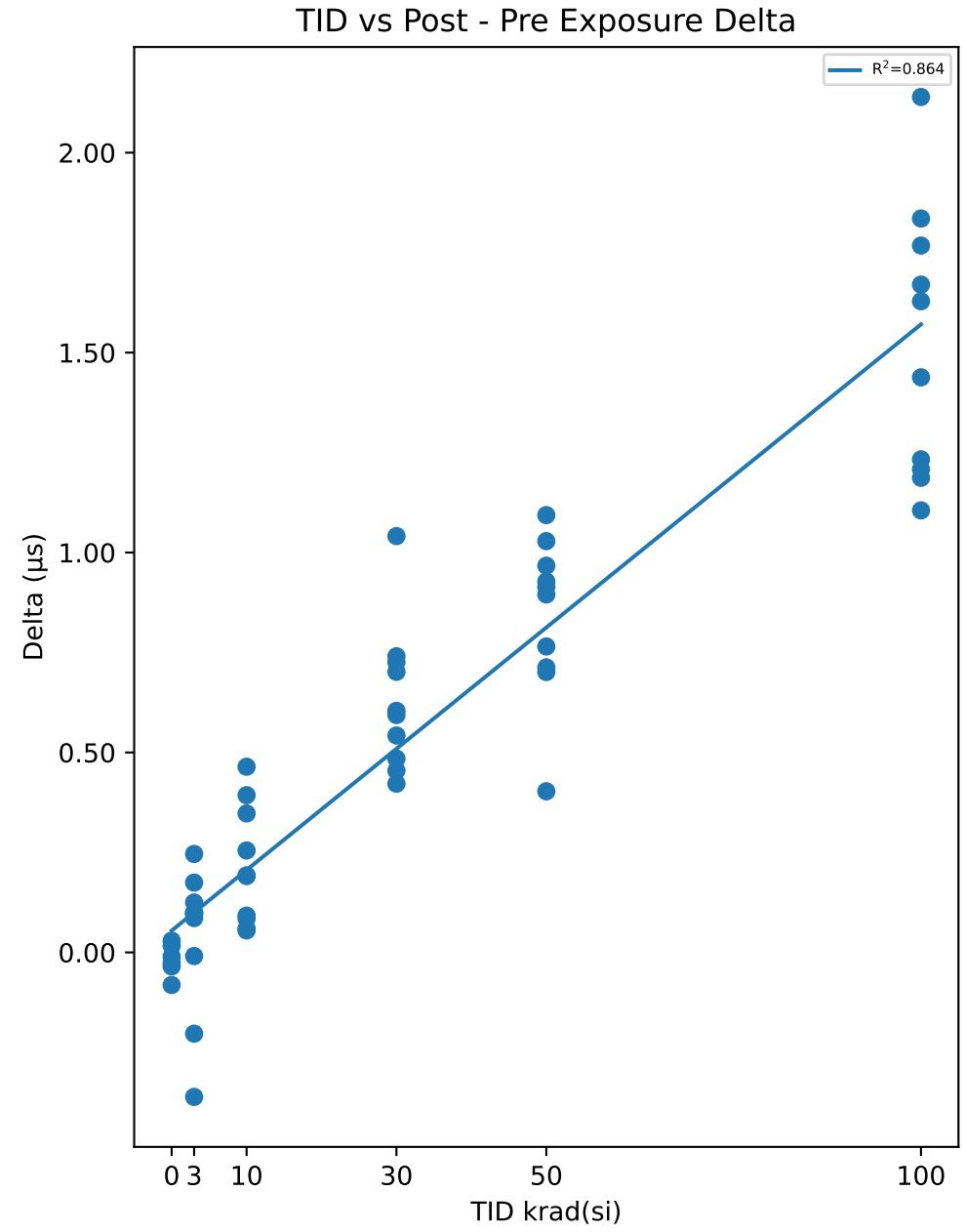
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	LDR Biased	181.42	177.83	-3.5897
2	3	LDR Biased	191.43	194.38	2.9563
3	3	LDR Biased	191.7	163.89	-27.807
4	3	LDR Biased	189.27	192.18	2.9118
5	3	LDR Biased	187.82	169.68	-18.142
6	10	LDR Biased	192.95	190.49	-2.4624
7	10	LDR Biased	190.87	167.64	-23.227
8	10	LDR Biased	190.87	194.02	3.1491
9	10	LDR Biased	190.86	192.09	1.2295
10	10	LDR Biased	189.43	185.62	-3.8135
11	30	LDR Biased	191.36	208.21	16.848
12	30	LDR Biased	190.64	205.2	14.555
13	30	LDR Biased	190.95	189.63	-1.318
14	30	LDR Biased	185.74	185.52	-0.222
15	30	LDR Biased	190.94	190.18	-0.7601
16	50	LDR Biased	172.46	186.47	14.005
17	50	LDR Biased	175.16	174.73	-0.4308
18	50	LDR Biased	192.03	187.3	-4.7347
19	50	LDR Biased	195.69	179.38	-16.306
20	50	LDR Biased	175.3	176.57	1.2709
21	100	LDR Biased	190.57	191.22	0.6486
22	100	LDR Biased	194.98	191.06	-3.9161
23	100	LDR Biased	180.67	183.15	2.4796
24	100	LDR Biased	164.12	188.08	23.96
25	100	LDR Biased	172.64	190.98	18.335
26	3	LDR Unbiased	189.62	185.27	-4.3469
27	3	LDR Unbiased	193.5	196.38	2.8839
28	3	LDR Unbiased	196.03	197.17	1.1419
29	3	LDR Unbiased	196.04	194.73	-1.3046
30	3	LDR Unbiased	185.53	190.52	4.9925
31	10	LDR Unbiased	179.57	171.7	-7.8663
32	10	LDR Unbiased	172.82	190.33	17.513
33	10	LDR Unbiased	198.4	192.17	-6.2346
34	10	LDR Unbiased	172.83	192.59	19.753
35	10	LDR Unbiased	191.81	191.15	-0.6601
36	30	LDR Unbiased	176.97	194.73	17.766
37	30	LDR Unbiased	172.58	207.71	35.132
38	30	LDR Unbiased	190.49	206.51	16.015
39	30	LDR Unbiased	190	187.23	-2.7687
40	30	LDR Unbiased	177.21	214.02	36.804
41	50	LDR Unbiased	178.07	183.23	5.1502
42	50	LDR Unbiased	186.76	190.6	3.8342
43	50	LDR Unbiased	195.63	178.83	-16.8
44	50	LDR Unbiased	190.88	174.13	-16.753
45	50	LDR Unbiased	186.36	188.54	2.1822
46	100	LDR Unbiased	187.82	191.14	3.3131
47	100	LDR Unbiased	195.18	190.91	-4.2726
48	100	LDR Unbiased	177.59	171.34	-6.2503
49	100	LDR Unbiased	168	187.2	19.203
50	100	LDR Unbiased	188.73	188.67	-0.063
60	0	Correlation	184.05	189.63	5.5854
61	0	Correlation	195.28	193.19	-2.0902
62	0	Correlation	191.73	189.52	-2.2011
63	0	Correlation	189.54	190.16	0.6135
64	0	Correlation	191.27	193.01	1.7367
65	0	Correlation	189.03	188.09	-0.9344

Test Statistics (ns)

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	184.05	190.15	195.28	3.712	188.09	190.6	193.19	2.0526	-2.2011	0.45165	5.5854	2.948
3	181.42	190.23	196.04	4.5743	163.89	186.2	197.17	11.831	-27.807	-4.0305	4.9925	10.673
10	172.82	187.04	198.4	8.7964	167.64	186.78	194.02	9.3319	-23.227	-0.26187	19.753	12.333
30	172.58	185.69	191.36	7.2532	185.52	198.89	214.02	10.46	-2.7687	13.205	36.804	14.617
50	172.46	184.84	195.69	8.8944	174.13	181.98	190.6	6.031	-16.8	-2.8582	14.005	10.612
100	164.12	182.03	195.18	11.151	171.34	187.37	191.22	6.1932	-6.2503	5.3438	23.96	10.973

Device Test: 24.152 _TIMING|DELAY/EN/14//511k//@T_EN_DELAY





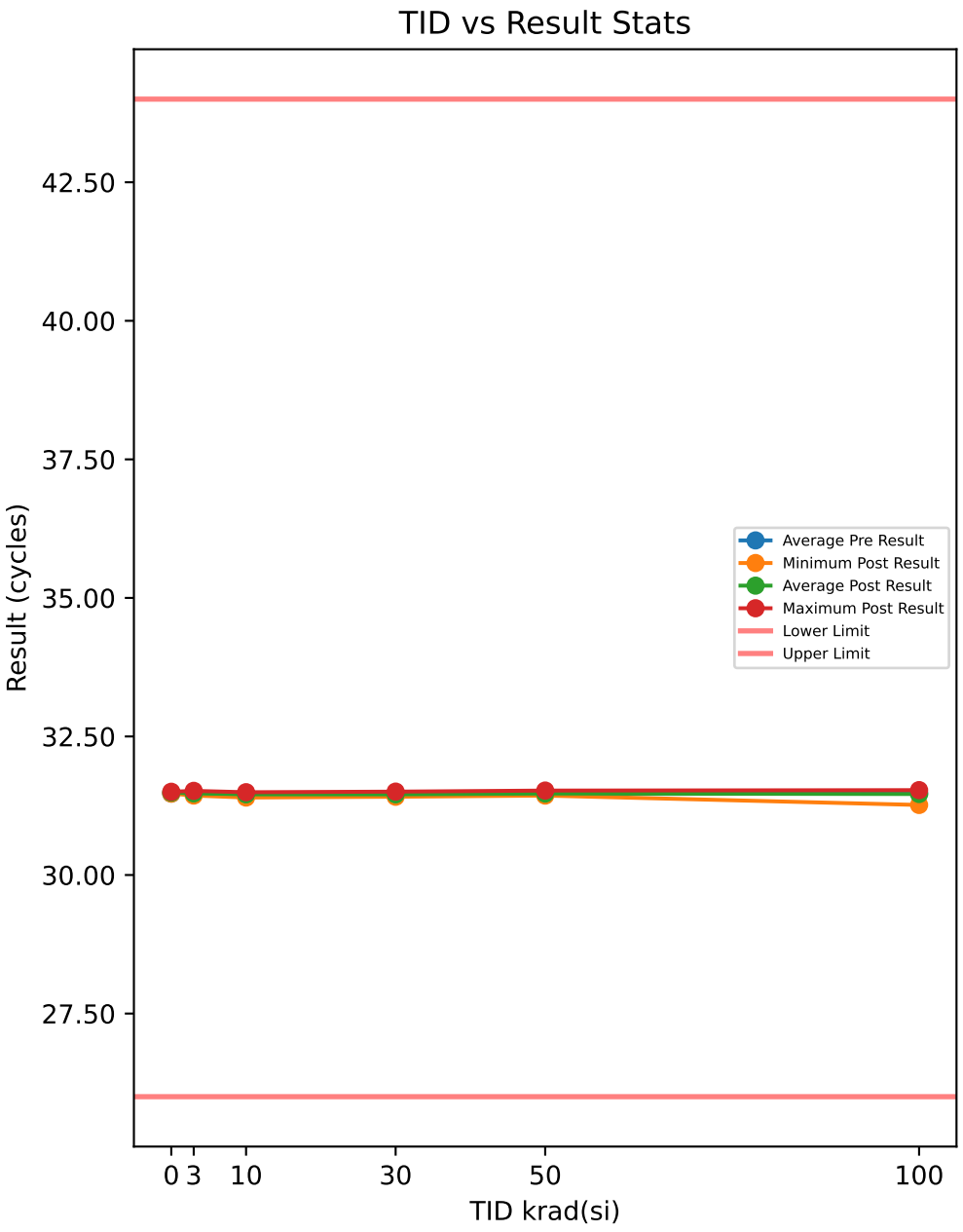
Test Results (Upper Limit = 100.0 (µs))

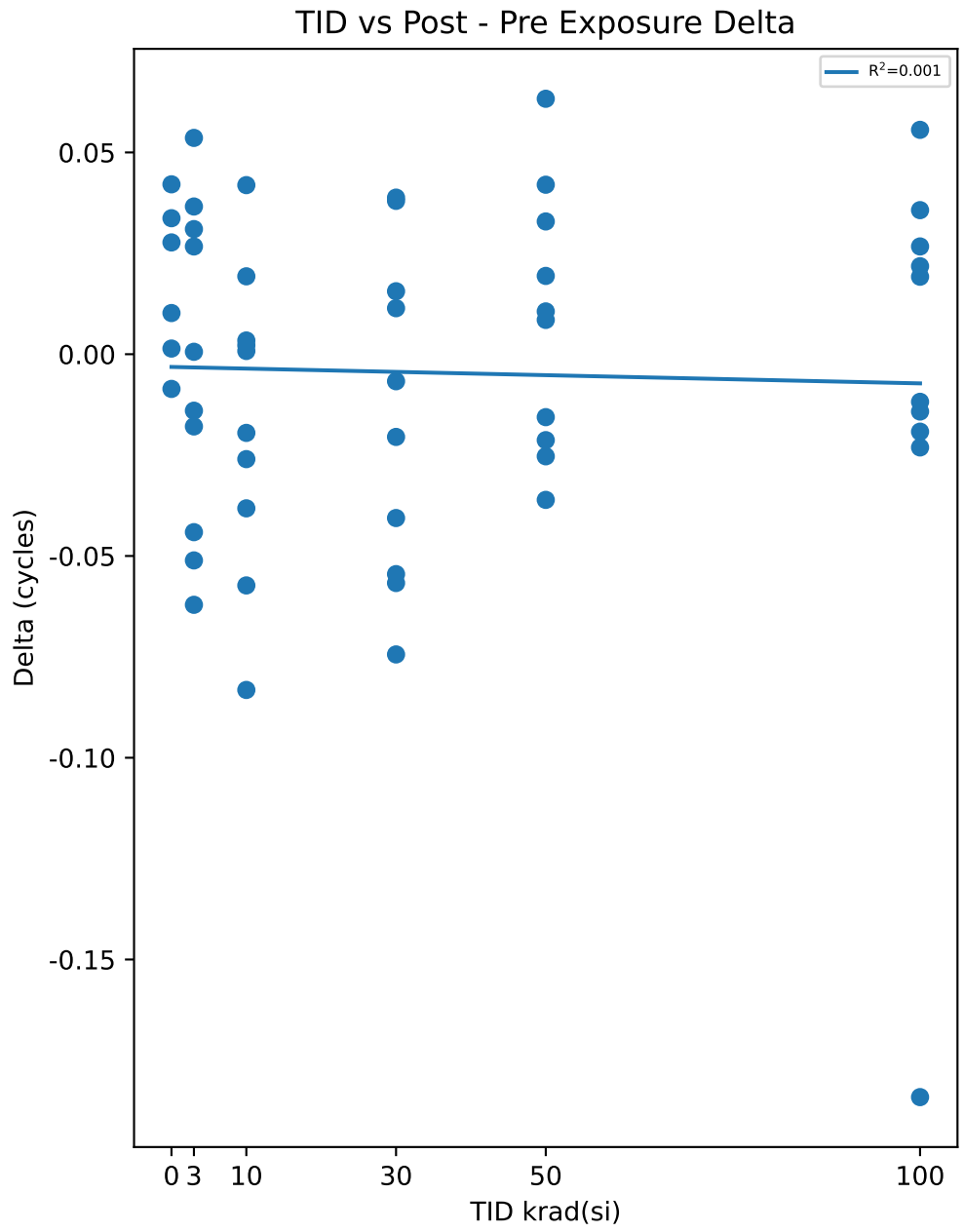
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	LDR Biased	50.211	49.849	-0.3614
2	3	LDR Biased	55.171	55.346	0.1745
3	3	LDR Biased	54.925	55.172	0.2462
4	3	LDR Biased	56.35	56.341	-0.0091
5	3	LDR Biased	56.565	56.665	0.0997
6	10	LDR Biased	52.723	52.815	0.092
7	10	LDR Biased	55.375	55.722	0.3475
8	10	LDR Biased	57.348	57.813	0.4643
9	10	LDR Biased	56.829	57.084	0.2549
10	10	LDR Biased	56.165	56.25	0.0848
11	30	LDR Biased	54.842	55.544	0.7016
12	30	LDR Biased	53.258	53.852	0.5936
13	30	LDR Biased	52.117	52.601	0.4847
14	30	LDR Biased	56.373	56.827	0.4547
15	30	LDR Biased	55.279	56.004	0.7255
16	50	LDR Biased	53.24	53.941	0.7011
17	50	LDR Biased	56.517	57.412	0.8951
18	50	LDR Biased	50.667	51.634	0.9671
19	50	LDR Biased	53.501	53.904	0.4029
20	50	LDR Biased	52.79	53.503	0.7127
21	100	LDR Biased	51.895	53.523	1.6284
22	100	LDR Biased	54.684	56.823	2.1393
23	100	LDR Biased	55.03	56.468	1.4381
24	100	LDR Biased	54.996	56.764	1.7677
25	100	LDR Biased	52.181	53.286	1.1054
26	3	LDR Unbiased	54.387	54.486	0.099
27	3	LDR Unbiased	58.492	58.588	0.0954
28	3	LDR Unbiased	60.879	60.675	-0.2033
29	3	LDR Unbiased	60.443	60.529	0.0858
30	3	LDR Unbiased	52.112	52.236	0.1248
31	10	LDR Unbiased	55.744	56.137	0.3932
32	10	LDR Unbiased	53.343	53.534	0.1909
33	10	LDR Unbiased	57.078	57.137	0.0594
34	10	LDR Unbiased	57.306	57.361	0.0549
35	10	LDR Unbiased	51.726	51.919	0.1927
36	30	LDR Unbiased	54.763	55.185	0.4219
37	30	LDR Unbiased	60.438	61.479	1.0411
38	30	LDR Unbiased	53.079	53.622	0.5424
39	30	LDR Unbiased	56.028	56.769	0.7405
40	30	LDR Unbiased	54.465	55.069	0.6042
41	50	LDR Unbiased	59.206	60.3	1.0936
42	50	LDR Unbiased	56.789	57.554	0.765
43	50	LDR Unbiased	52.25	53.278	1.0285
44	50	LDR Unbiased	50.769	51.696	0.9276
45	50	LDR Unbiased	59.846	60.76	0.9138
46	100	LDR Unbiased	58.065	59.735	1.67
47	100	LDR Unbiased	52.853	54.061	1.2084
48	100	LDR Unbiased	57.624	59.459	1.8353
49	100	LDR Unbiased	49.788	51.021	1.2329
50	100	LDR Unbiased	54.109	55.296	1.1868
60	0	Correlation	54.04	53.959	-0.0815
61	0	Correlation	49.093	49.11	0.0169
62	0	Correlation	56.337	56.311	-0.0252
63	0	Correlation	52.336	52.365	0.0293
64	0	Correlation	52.95	52.915	-0.035
65	0	Correlation	56.342	56.331	-0.0104

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	49.093	53.516	56.342	2.7383	49.11	53.499	56.331	2.7215	-0.0815	-0.01765	0.0293	0.039713
3	50.211	55.953	60.879	3.3871	49.849	55.989	60.675	3.416	-0.3614	0.03516	0.2462	0.18333
10	51.726	55.364	57.348	2.0512	51.919	55.577	57.813	2.0778	0.0549	0.21346	0.4643	0.14759
30	52.117	55.064	60.438	2.3082	52.601	55.695	61.479	2.4478	0.4219	0.63102	1.0411	0.18265
50	50.667	54.558	59.846	3.3199	51.634	55.398	60.76	3.3632	0.4029	0.84074	1.0936	0.2012
100	49.788	54.123	58.065	2.5568	51.021	55.644	59.735	2.7623	1.1054	1.5212	2.1393	0.34119

Device Test: 24.154 _TIMING|DELAY/FAULT/14//511k//@T_FAULT_DELAY





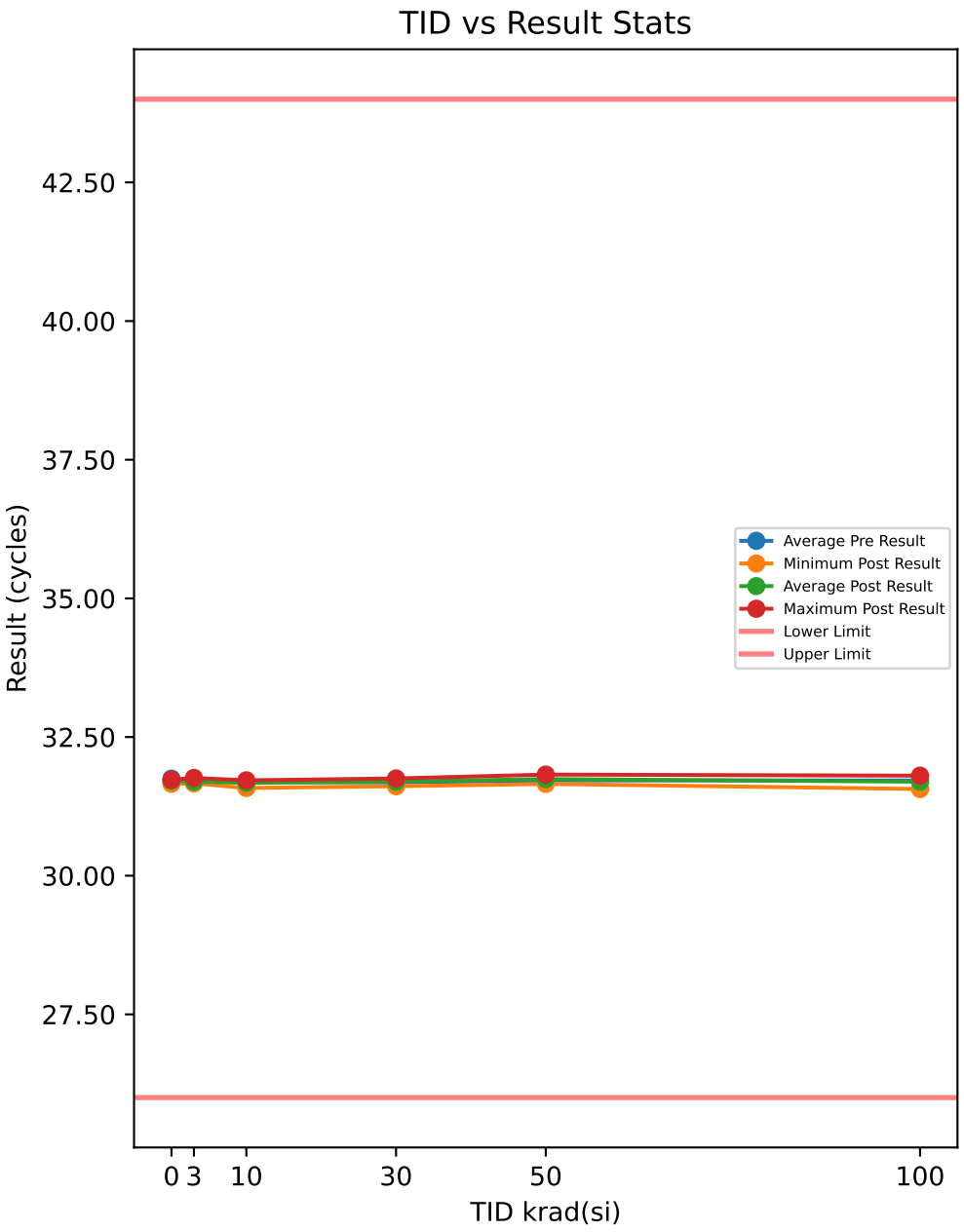
Test Results (Lower Limit = 26.0, Upper Limit = 44.0 (cycles))

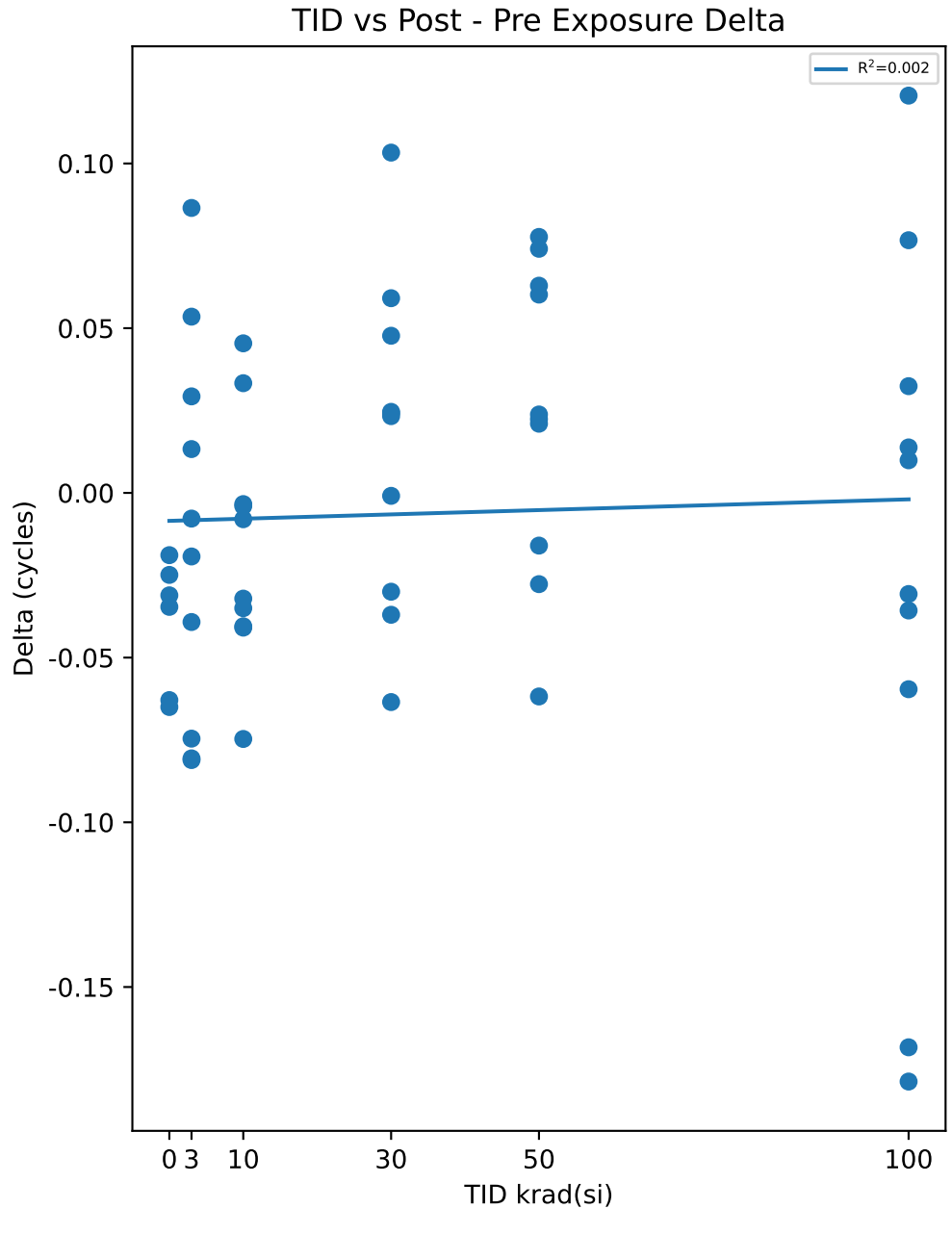
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	LDR Biased	31.429	31.46	0.031
2	3	LDR Biased	31.485	31.434	-0.0511
3	3	LDR Biased	31.441	31.477	0.0366
4	3	LDR Biased	31.443	31.497	0.0536
5	3	LDR Biased	31.46	31.486	0.0267
6	10	LDR Biased	31.496	31.413	-0.0832
7	10	LDR Biased	31.471	31.452	-0.0195
8	10	LDR Biased	31.474	31.494	0.0193
9	10	LDR Biased	31.465	31.468	0.0022
10	10	LDR Biased	31.443	31.444	0.0008
11	30	LDR Biased	31.467	31.412	-0.0545
12	30	LDR Biased	31.506	31.449	-0.0567
13	30	LDR Biased	31.459	31.497	0.038
14	30	LDR Biased	31.493	31.473	-0.0205
15	30	LDR Biased	31.445	31.484	0.0388
16	50	LDR Biased	31.491	31.524	0.0329
17	50	LDR Biased	31.483	31.461	-0.0213
18	50	LDR Biased	31.455	31.497	0.042
19	50	LDR Biased	31.437	31.457	0.0194
20	50	LDR Biased	31.446	31.457	0.0106
21	100	LDR Biased	31.468	31.487	0.0192
22	100	LDR Biased	31.464	31.441	-0.0231
23	100	LDR Biased	31.491	31.471	-0.0192
24	100	LDR Biased	31.441	31.477	0.0357
25	100	LDR Biased	31.479	31.465	-0.0142
26	3	LDR Unbiased	31.504	31.442	-0.0621
27	3	LDR Unbiased	31.493	31.475	-0.0179
28	3	LDR Unbiased	31.518	31.518	0.0006
29	3	LDR Unbiased	31.525	31.481	-0.0441
30	3	LDR Unbiased	31.468	31.454	-0.014
31	10	LDR Unbiased	31.502	31.464	-0.0382
32	10	LDR Unbiased	31.455	31.398	-0.0573
33	10	LDR Unbiased	31.462	31.465	0.0034
34	10	LDR Unbiased	31.496	31.47	-0.026
35	10	LDR Unbiased	31.442	31.484	0.0419
36	30	LDR Unbiased	31.409	31.42	0.0114
37	30	LDR Unbiased	31.495	31.421	-0.0744
38	30	LDR Unbiased	31.46	31.454	-0.0067
39	30	LDR Unbiased	31.477	31.436	-0.0406
40	30	LDR Unbiased	31.489	31.505	0.0156
41	50	LDR Unbiased	31.455	31.464	0.0085
42	50	LDR Unbiased	31.474	31.449	-0.0253
43	50	LDR Unbiased	31.449	31.433	-0.0156
44	50	LDR Unbiased	31.421	31.485	0.0633
45	50	LDR Unbiased	31.507	31.471	-0.0361
46	100	LDR Unbiased	31.46	31.482	0.0218
47	100	LDR Unbiased	31.486	31.474	-0.0118
48	100	LDR Unbiased	31.448	31.264	-0.1841
49	100	LDR Unbiased	31.476	31.532	0.0556
50	100	LDR Unbiased	31.492	31.519	0.0267
60	0	Correlation	31.498	31.499	0.0014
61	0	Correlation	31.437	31.479	0.0421
62	0	Correlation	31.451	31.484	0.0337
63	0	Correlation	31.481	31.491	0.0102
64	0	Correlation	31.477	31.468	-0.0086
65	0	Correlation	31.474	31.502	0.0277

Test Statistics (cycles)

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	31.437	31.47	31.498	0.021984	31.468	31.487	31.502	0.012617	-0.0086	0.01775	0.0421	0.019824
3	31.429	31.477	31.525	0.033519	31.434	31.472	31.518	0.025687	-0.0621	-0.00407	0.0536	0.040346
10	31.442	31.471	31.502	0.02158	31.398	31.455	31.494	0.030059	-0.0832	-0.01566	0.0419	0.037139
30	31.409	31.47	31.506	0.028801	31.412	31.455	31.505	0.033174	-0.0744	-0.01496	0.0388	0.040714
50	31.421	31.462	31.507	0.026307	31.433	31.47	31.524	0.026025	-0.0361	0.00784	0.0633	0.032386
100	31.441	31.47	31.492	0.017462	31.264	31.461	31.532	0.073975	-0.1841	-0.00934	0.0556	0.066822

Device Test: 24.156 _TIMING|DELAY/FAULT/14//90.9k//@T_FAULT_DELAY





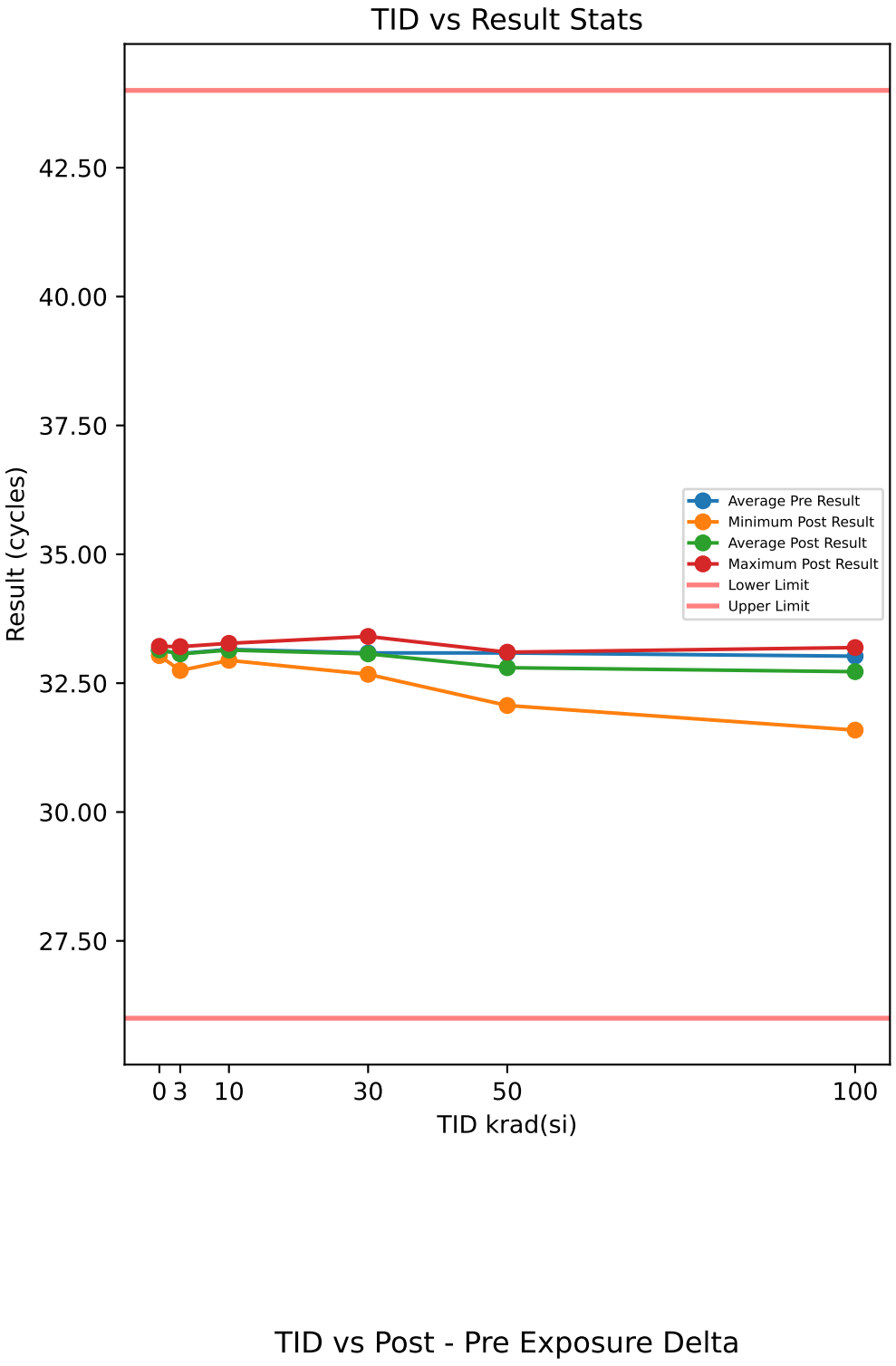
Test Results (Lower Limit = 26.0, Upper Limit = 44.0 (cycles))

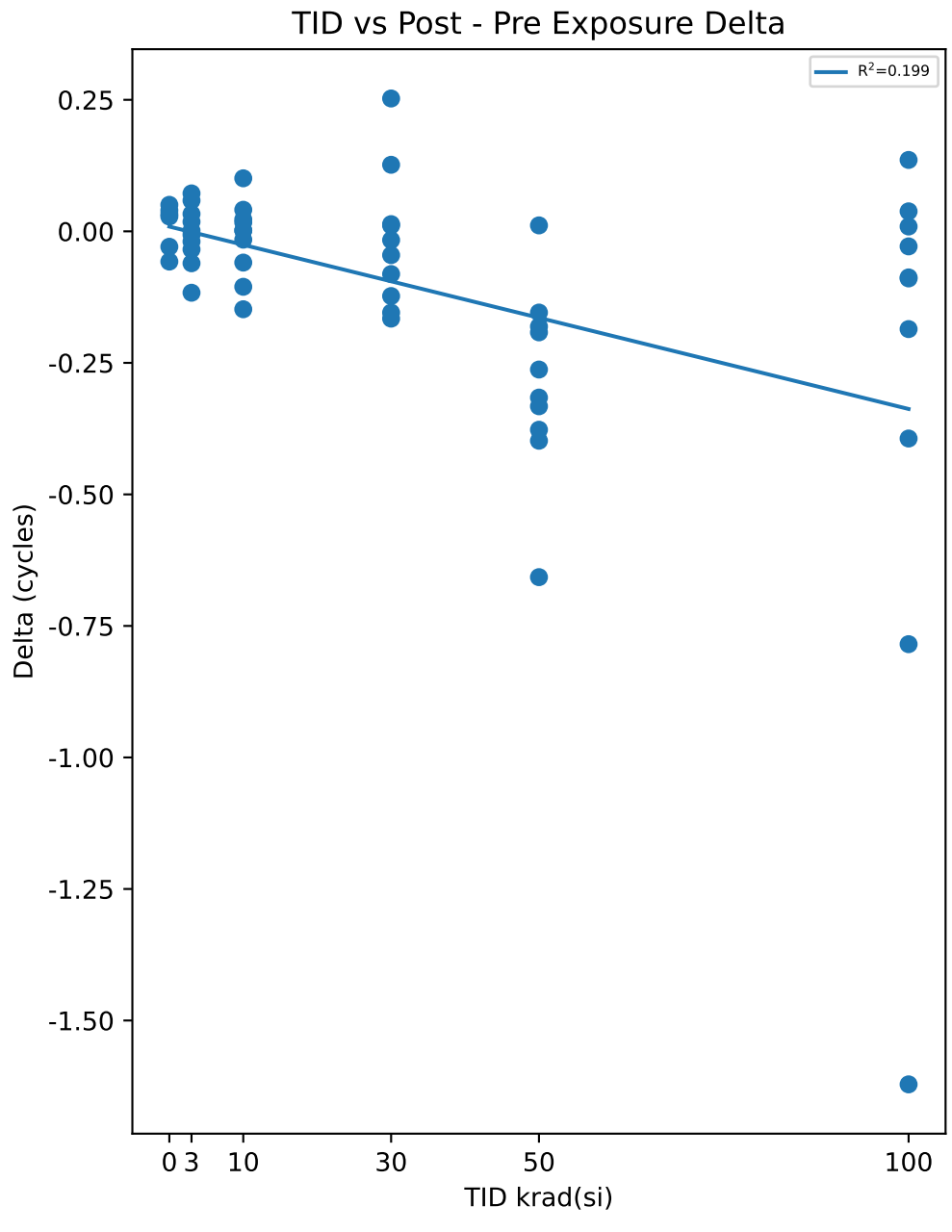
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	LDR Biased	31.763	31.682	-0.0811
2	3	LDR Biased	31.722	31.683	-0.0392
3	3	LDR Biased	31.677	31.763	0.0865
4	3	LDR Biased	31.759	31.685	-0.0746
5	3	LDR Biased	31.722	31.703	-0.0193
6	10	LDR Biased	31.742	31.667	-0.0747
7	10	LDR Biased	31.712	31.704	-0.008
8	10	LDR Biased	31.729	31.694	-0.035
9	10	LDR Biased	31.711	31.708	-0.0034
10	10	LDR Biased	31.642	31.688	0.0454
11	30	LDR Biased	31.674	31.698	0.0233
12	30	LDR Biased	31.706	31.753	0.0477
13	30	LDR Biased	31.719	31.744	0.0242
14	30	LDR Biased	31.77	31.74	-0.03
15	30	LDR Biased	31.722	31.685	-0.037
16	50	LDR Biased	31.763	31.823	0.0602
17	50	LDR Biased	31.697	31.771	0.0741
18	50	LDR Biased	31.771	31.709	-0.0618
19	50	LDR Biased	31.684	31.761	0.0777
20	50	LDR Biased	31.787	31.759	-0.0277
21	100	LDR Biased	31.698	31.774	0.0767
22	100	LDR Biased	31.752	31.692	-0.0596
23	100	LDR Biased	31.683	31.803	0.1206
24	100	LDR Biased	31.701	31.734	0.0324
25	100	LDR Biased	31.679	31.689	0.0099
26	3	LDR Unbiased	31.63	31.683	0.0535
27	3	LDR Unbiased	31.695	31.709	0.0133
28	3	LDR Unbiased	31.655	31.685	0.0293
29	3	LDR Unbiased	31.745	31.665	-0.0806
30	3	LDR Unbiased	31.714	31.707	-0.0078
31	10	LDR Unbiased	31.732	31.691	-0.0409
32	10	LDR Unbiased	31.622	31.581	-0.0405
33	10	LDR Unbiased	31.666	31.634	-0.0321
34	10	LDR Unbiased	31.658	31.654	-0.004
35	10	LDR Unbiased	31.686	31.719	0.0333
36	30	LDR Unbiased	31.614	31.613	-0.0009
37	30	LDR Unbiased	31.724	31.66	-0.0635
38	30	LDR Unbiased	31.651	31.71	0.0591
39	30	LDR Unbiased	31.595	31.698	0.1033
40	30	LDR Unbiased	31.653	31.677	0.0246
41	50	LDR Unbiased	31.758	31.78	0.0224
42	50	LDR Unbiased	31.749	31.772	0.0238
43	50	LDR Unbiased	31.592	31.655	0.0629
44	50	LDR Unbiased	31.714	31.698	-0.016
45	50	LDR Unbiased	31.672	31.693	0.021
46	100	LDR Unbiased	31.753	31.718	-0.0357
47	100	LDR Unbiased	31.752	31.583	-0.1683
48	100	LDR Unbiased	31.742	31.563	-0.1787
49	100	LDR Unbiased	31.722	31.691	-0.0307
50	100	LDR Unbiased	31.688	31.701	0.0138
60	0	Correlation	31.754	31.729	-0.0249
61	0	Correlation	31.775	31.712	-0.0629
62	0	Correlation	31.692	31.658	-0.0346
63	0	Correlation	31.734	31.715	-0.0189
64	0	Correlation	31.791	31.726	-0.065
65	0	Correlation	31.754	31.723	-0.0311

Test Statistics (cycles)

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	31.692	31.75	31.791	0.034435	31.658	31.711	31.729	0.026659	-0.065	-0.039567	-0.0189	0.019646
3	31.63	31.708	31.763	0.044163	31.665	31.696	31.763	0.027034	-0.0811	-0.012	0.0865	0.058261
10	31.622	31.69	31.742	0.041427	31.581	31.674	31.719	0.041596	-0.0747	-0.01599	0.0454	0.036291
30	31.595	31.683	31.77	0.054957	31.613	31.698	31.753	0.042473	-0.0635	0.01508	0.1033	0.049666
50	31.592	31.719	31.787	0.059405	31.655	31.742	31.823	0.051097	-0.0618	0.02366	0.0777	0.046978
100	31.679	31.717	31.753	0.03064	31.563	31.695	31.803	0.074615	-0.1787	-0.02196	0.1206	0.096015

Device Test: 24.158 _TIMING|DELAY/FAULT/14//34.8k//@T_FAULT_DELAY





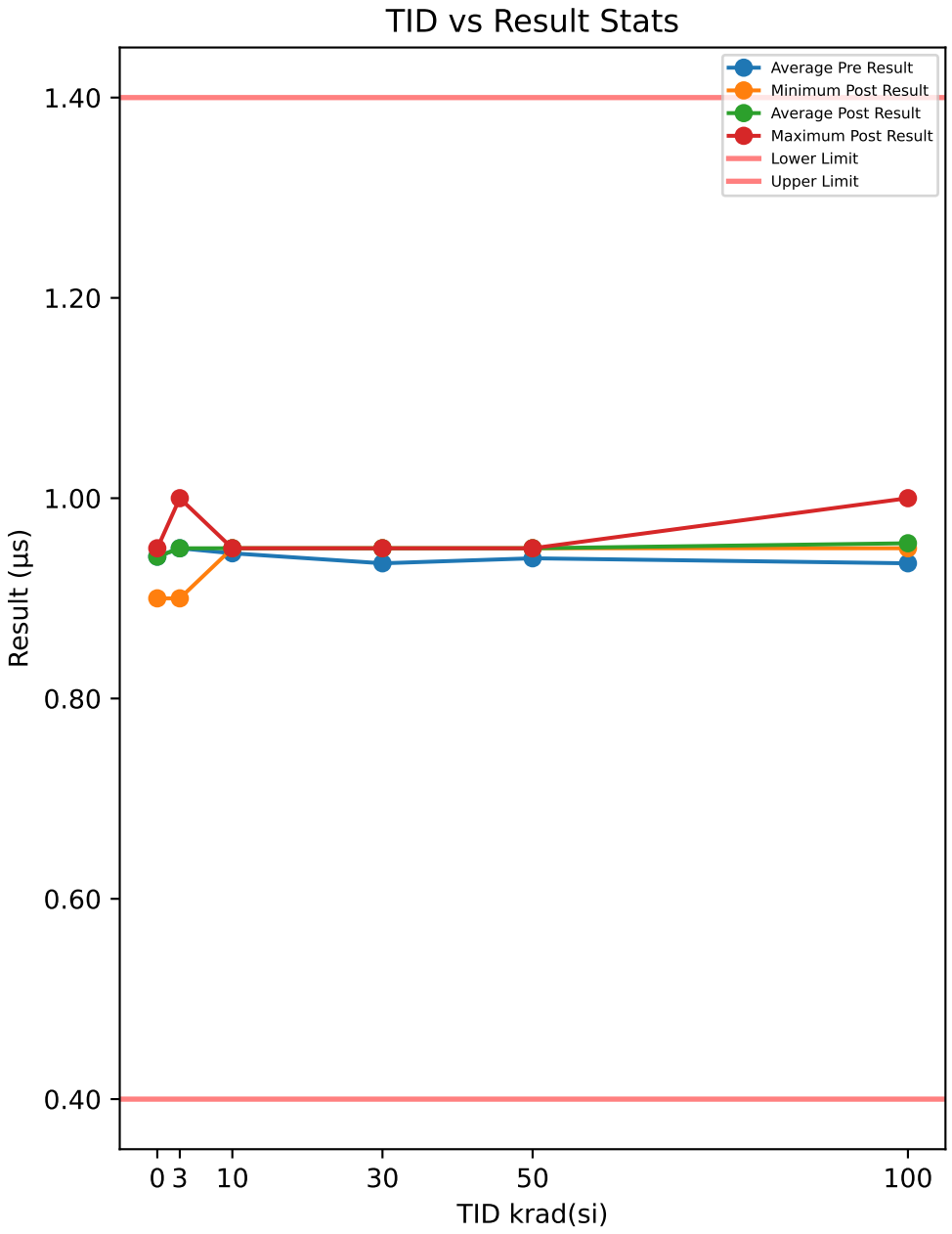
Test Results (Lower Limit = 26.0, Upper Limit = 44.0 (cycles))

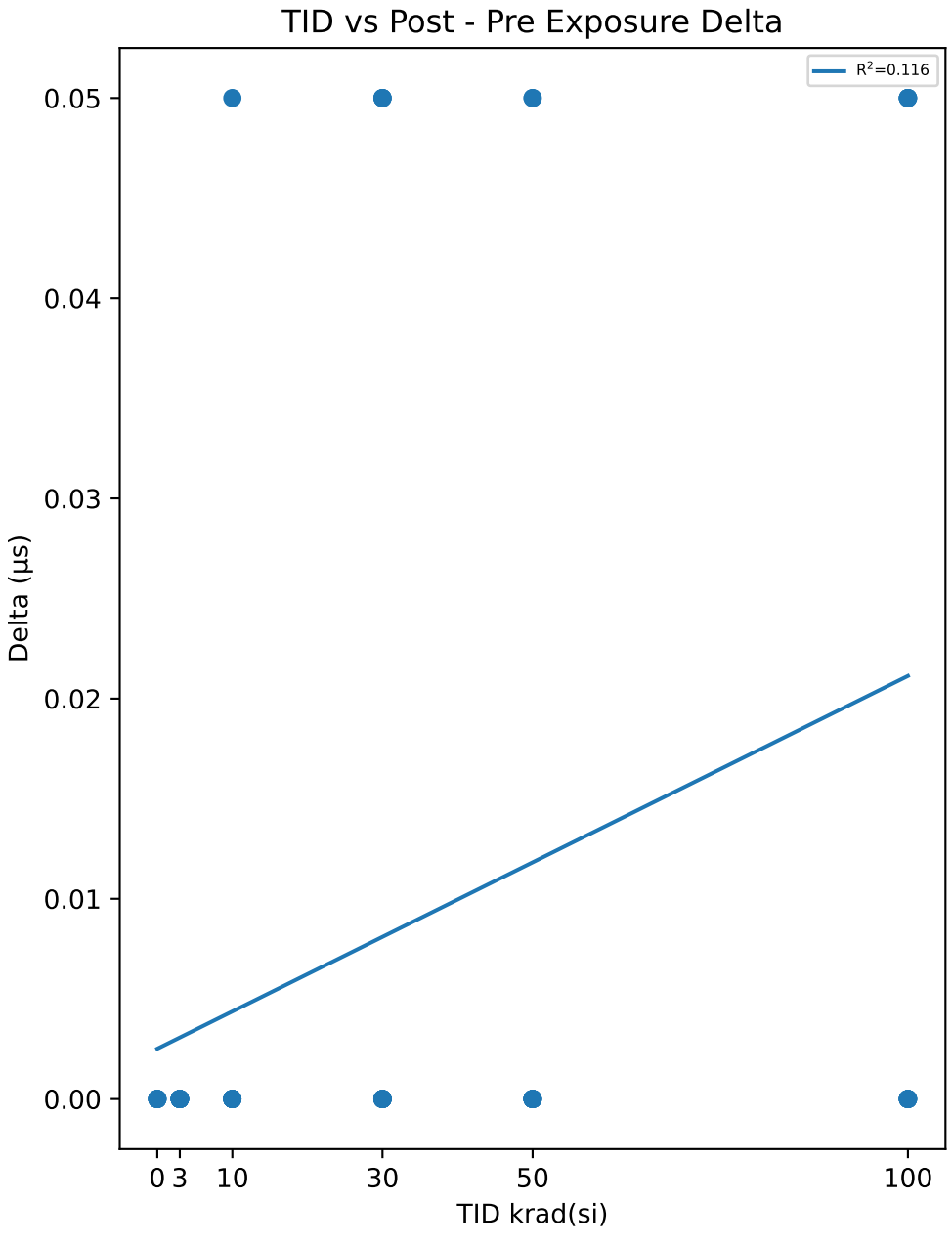
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	LDR Biased	32.673	32.746	0.0721
2	3	LDR Biased	33.178	33.196	0.0182
3	3	LDR Biased	33.188	33.182	-0.0065
4	3	LDR Biased	33.206	33.208	0.0015
5	3	LDR Biased	33.069	33.102	0.0331
6	10	LDR Biased	33.157	33.174	0.017
7	10	LDR Biased	33.117	33.158	0.041
8	10	LDR Biased	33.185	33.187	0.0016
9	10	LDR Biased	33.09	32.942	-0.1481
10	10	LDR Biased	33.165	33.149	-0.0158
11	30	LDR Biased	33.126	33.253	0.1265
12	30	LDR Biased	33.009	33.023	0.0137
13	30	LDR Biased	32.794	32.671	-0.123
14	30	LDR Biased	33.154	33.407	0.2525
15	30	LDR Biased	33.141	32.975	-0.1659
16	50	LDR Biased	33.142	32.987	-0.1544
17	50	LDR Biased	33.187	33.006	-0.1809
18	50	LDR Biased	33.116	32.718	-0.398
19	50	LDR Biased	33.148	32.956	-0.192
20	50	LDR Biased	32.992	32.615	-0.3771
21	100	LDR Biased	33.123	32.729	-0.3938
22	100	LDR Biased	32.927	32.142	-0.7847
23	100	LDR Biased	33.153	33.191	0.038
24	100	LDR Biased	33.186	33.096	-0.0895
25	100	LDR Biased	33.042	33.178	0.1357
26	3	LDR Unbiased	32.878	32.936	0.0586
27	3	LDR Unbiased	33.081	33.046	-0.0344
28	3	LDR Unbiased	33.228	33.209	-0.0194
29	3	LDR Unbiased	33.129	33.069	-0.0607
30	3	LDR Unbiased	33.109	32.993	-0.1167
31	10	LDR Unbiased	33.14	33.163	0.0227
32	10	LDR Unbiased	33.172	33.273	0.1008
33	10	LDR Unbiased	33.186	33.081	-0.1054
34	10	LDR Unbiased	33.232	33.172	-0.0594
35	10	LDR Unbiased	33.111	33.113	0.0018
36	30	LDR Unbiased	33.069	33.052	-0.0166
37	30	LDR Unbiased	33.099	32.944	-0.1545
38	30	LDR Unbiased	33.154	33.165	0.0111
39	30	LDR Unbiased	33.105	33.023	-0.0812
40	30	LDR Unbiased	33.219	33.173	-0.0452
41	50	LDR Unbiased	33.162	32.83	-0.3325
42	50	LDR Unbiased	33.163	32.847	-0.316
43	50	LDR Unbiased	33.136	32.874	-0.2627
44	50	LDR Unbiased	32.724	32.067	-0.6573
45	50	LDR Unbiased	33.09	33.101	0.0113
46	100	LDR Unbiased	33.179	33.151	-0.0286
47	100	LDR Unbiased	33.185	32.999	-0.1858
48	100	LDR Unbiased	33.132	33.044	-0.0876
49	100	LDR Unbiased	33.211	31.589	-1.6214
50	100	LDR Unbiased	32.099	32.108	0.0092
60	0	Correlation	33.092	33.035	-0.0575
61	0	Correlation	33.141	33.169	0.0281
62	0	Correlation	33.112	33.145	0.0325
63	0	Correlation	33.185	33.156	-0.0293
64	0	Correlation	33.175	33.215	0.0398
65	0	Correlation	33.11	33.161	0.0504

Test Statistics (cycles)

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	33.092	33.136	33.185	0.037629	33.035	33.147	33.215	0.060001	-0.0575	0.010667	0.0504	0.043479
3	32.673	33.074	33.228	0.17269	32.746	33.069	33.209	0.14805	-0.1167	-0.00542	0.0721	0.056444
10	33.09	33.156	33.232	0.042176	32.942	33.141	33.273	0.085754	-0.1481	-0.01438	0.1008	0.072575
30	32.794	33.087	33.219	0.11702	32.671	33.069	33.407	0.19861	-0.1659	-0.01826	0.2525	0.13003
50	32.724	33.086	33.187	0.13825	32.067	32.8	33.101	0.29425	-0.6573	-0.28596	0.0113	0.17885
100	32.099	33.024	33.211	0.33565	31.589	32.723	33.191	0.5704	-1.6214	-0.30085	0.1357	0.53392

Device Test: 24.159 _TIMING|MINON/FAULT/14//511k//@T_FAULT_MIN





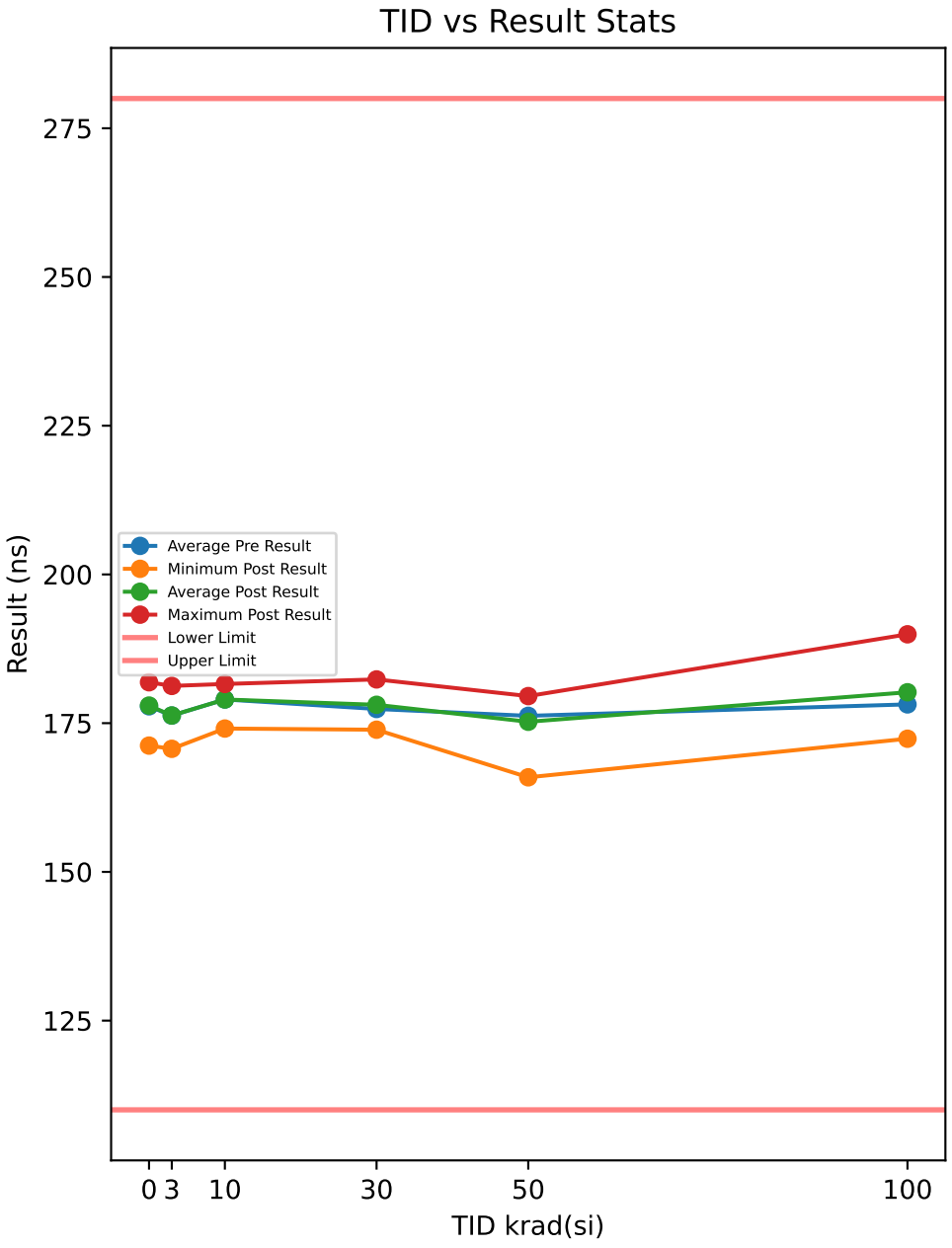
Test Results (Lower Limit = 0.4, Upper Limit = 1.4 (µs))

Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	LDR Biased	0.95	0.95	0
2	3	LDR Biased	0.95	0.95	0
3	3	LDR Biased	0.95	0.95	0
4	3	LDR Biased	0.95	0.95	0
5	3	LDR Biased	0.9	0.9	0
6	10	LDR Biased	0.95	0.95	0
7	10	LDR Biased	0.95	0.95	0
8	10	LDR Biased	0.95	0.95	0
9	10	LDR Biased	0.95	0.95	0
10	10	LDR Biased	0.95	0.95	0
11	30	LDR Biased	0.95	0.95	0
12	30	LDR Biased	0.95	0.95	0
13	30	LDR Biased	0.9	0.95	0.05
14	30	LDR Biased	0.95	0.95	0
15	30	LDR Biased	0.9	0.95	0.05
16	50	LDR Biased	0.95	0.95	0
17	50	LDR Biased	0.95	0.95	0
18	50	LDR Biased	0.95	0.95	0
19	50	LDR Biased	0.95	0.95	0
20	50	LDR Biased	0.9	0.95	0.05
21	100	LDR Biased	0.95	0.95	0
22	100	LDR Biased	0.9	0.95	0.05
23	100	LDR Biased	0.9	0.95	0.05
24	100	LDR Biased	0.95	0.95	0
25	100	LDR Biased	0.95	0.95	0
26	3	LDR Unbiased	0.95	0.95	0
27	3	LDR Unbiased	1	1	0
28	3	LDR Unbiased	0.95	0.95	0
29	3	LDR Unbiased	0.95	0.95	0
30	3	LDR Unbiased	0.95	0.95	0
31	10	LDR Unbiased	0.95	0.95	0
32	10	LDR Unbiased	0.95	0.95	0
33	10	LDR Unbiased	0.95	0.95	0
34	10	LDR Unbiased	0.95	0.95	0
35	10	LDR Unbiased	0.9	0.95	0.05
36	30	LDR Unbiased	0.95	0.95	0
37	30	LDR Unbiased	0.9	0.95	0.05
38	30	LDR Unbiased	0.95	0.95	0
39	30	LDR Unbiased	0.95	0.95	0
40	30	LDR Unbiased	0.95	0.95	0
41	50	LDR Unbiased	0.95	0.95	0
42	50	LDR Unbiased	0.95	0.95	0
43	50	LDR Unbiased	0.95	0.95	0
44	50	LDR Unbiased	0.9	0.95	0.05
45	50	LDR Unbiased	0.95	0.95	0
46	100	LDR Unbiased	0.95	0.95	0
47	100	LDR Unbiased	0.95	1	0.05
48	100	LDR Unbiased	0.95	0.95	0
49	100	LDR Unbiased	0.95	0.95	0
50	100	LDR Unbiased	0.9	0.95	0.05
60	0	Correlation	0.9	0.9	0
61	0	Correlation	0.95	0.95	0
62	0	Correlation	0.95	0.95	0
63	0	Correlation	0.95	0.95	0
64	0	Correlation	0.95	0.95	0
65	0	Correlation	0.95	0.95	0

Test Statistics (µs)

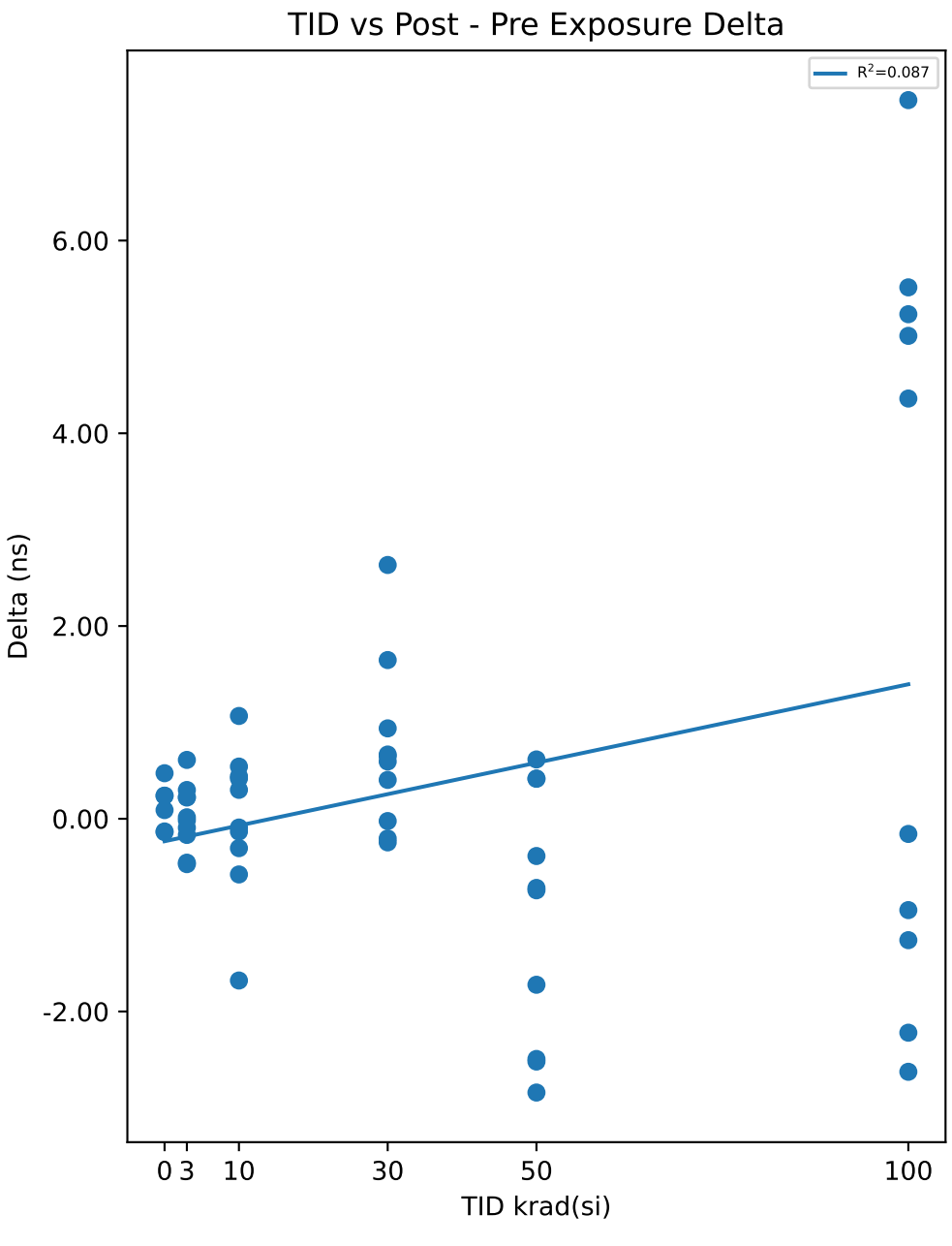
krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	0.9	0.94167	0.95	0.020412	0.9	0.94167	0.95	0.020412	0	0	0	0
3	0.9	0.95	1	0.02357	0.9	0.95	1	0.02357	0	0	0	0
10	0.9	0.945	0.95	0.015811	0.95	0.95	0.95	0	0	0.005	0.05	0.015811
30	0.9	0.935	0.95	0.024152	0.95	0.95	0.95	0	0	0.015	0.05	0.024152
50	0.9	0.94	0.95	0.021082	0.95	0.95	0.95	0	0	0.01	0.05	0.021082
100	0.9	0.935	0.95	0.024152	0.95	0.955	1	0.015811	0	0.02	0.05	0.02582

Device Test: 24.16 _TIMING|DELAY/SYNC1/4.5//511k//@SYNC1_SW_DELAY_OUTPUT_4V



Test Results (Lower Limit = 110.0, Upper Limit = 280.0 (ns))

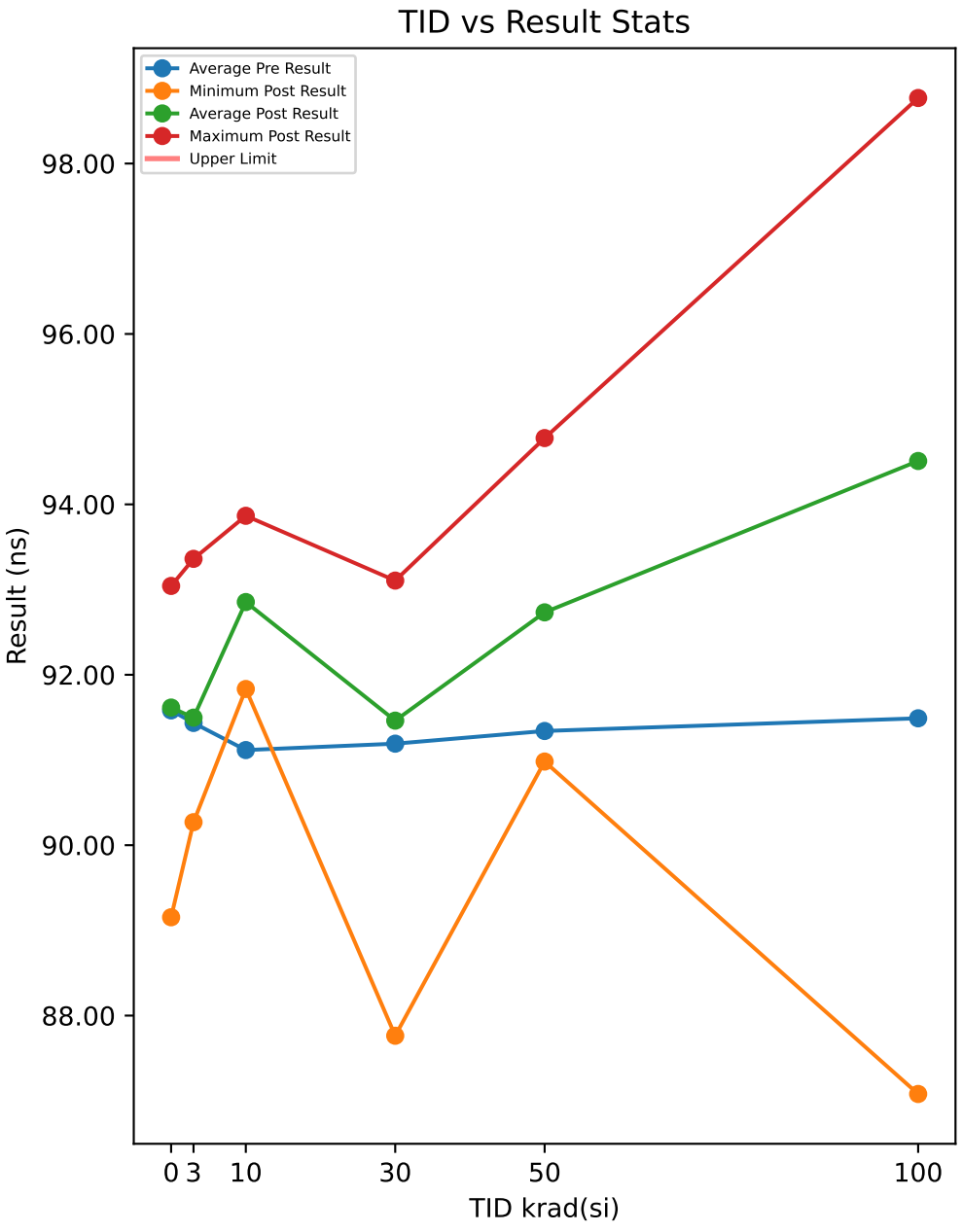
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	LDR Biased	181.54	181.09	-0.4555
2	3	LDR Biased	177.91	178.21	0.2986
3	3	LDR Biased	171.16	170.69	-0.4708
4	3	LDR Biased	181.35	181.26	-0.0929
5	3	LDR Biased	172.21	172.83	0.6107
6	10	LDR Biased	181.17	181.59	0.4184
7	10	LDR Biased	181.1	180.52	-0.5778
8	10	LDR Biased	177.18	177.04	-0.1329
9	10	LDR Biased	178.29	178.73	0.4411
10	10	LDR Biased	180.6	180.9	0.3001
11	30	LDR Biased	177.03	177.97	0.938
12	30	LDR Biased	178.79	179.45	0.6667
13	30	LDR Biased	175.2	175.6	0.4032
14	30	LDR Biased	177.12	177.71	0.5942
15	30	LDR Biased	179.72	182.35	2.6336
16	50	LDR Biased	175.35	175.76	0.4153
17	50	LDR Biased	176.51	175.8	-0.7176
18	50	LDR Biased	166.28	165.9	-0.3865
19	50	LDR Biased	175.38	176	0.6155
20	50	LDR Biased	175.6	176.02	0.417
21	100	LDR Biased	180.47	184.83	4.3606
22	100	LDR Biased	184.42	189.94	5.5143
23	100	LDR Biased	177.5	182.73	5.2356
24	100	LDR Biased	177.58	182.59	5.0111
25	100	LDR Biased	171.92	179.38	7.4573
26	3	LDR Unbiased	175.11	175.33	0.2205
27	3	LDR Unbiased	177.91	177.74	-0.1678
28	3	LDR Unbiased	175.19	175.21	0.0153
29	3	LDR Unbiased	175.25	175.24	-0.0158
30	3	LDR Unbiased	175.09	175.31	0.2243
31	10	LDR Unbiased	180.84	180.75	-0.091
32	10	LDR Unbiased	182.61	180.93	-1.6785
33	10	LDR Unbiased	174.94	176	1.0667
34	10	LDR Unbiased	174.4	174.09	-0.3049
35	10	LDR Unbiased	178.71	179.25	0.5417
36	30	LDR Unbiased	174.1	173.9	-0.205
37	30	LDR Unbiased	179.63	179.39	-0.245
38	30	LDR Unbiased	177.55	177.53	-0.0238
39	30	LDR Unbiased	179.13	180.78	1.6469
40	30	LDR Unbiased	175.54	176.19	0.6494
41	50	LDR Unbiased	182.04	179.55	-2.4925
42	50	LDR Unbiased	179.1	177.38	-1.7224
43	50	LDR Unbiased	178.69	176.17	-2.5192
44	50	LDR Unbiased	178.81	175.97	-2.8409
45	50	LDR Unbiased	174.53	173.79	-0.7422
46	100	LDR Unbiased	178.49	177.23	-1.2598
47	100	LDR Unbiased	179.71	179.55	-0.1574
48	100	LDR Unbiased	180.39	178.17	-2.2199
49	100	LDR Unbiased	176.07	175.12	-0.9479
50	100	LDR Unbiased	175.01	172.38	-2.6256
60	0	Correlation	173.91	174.38	0.4726
61	0	Correlation	171.14	171.23	0.0901
62	0	Correlation	178.95	178.81	-0.1316
63	0	Correlation	181.5	181.36	-0.1381
64	0	Correlation	179.85	180.09	0.2389
65	0	Correlation	181.63	181.87	0.2398

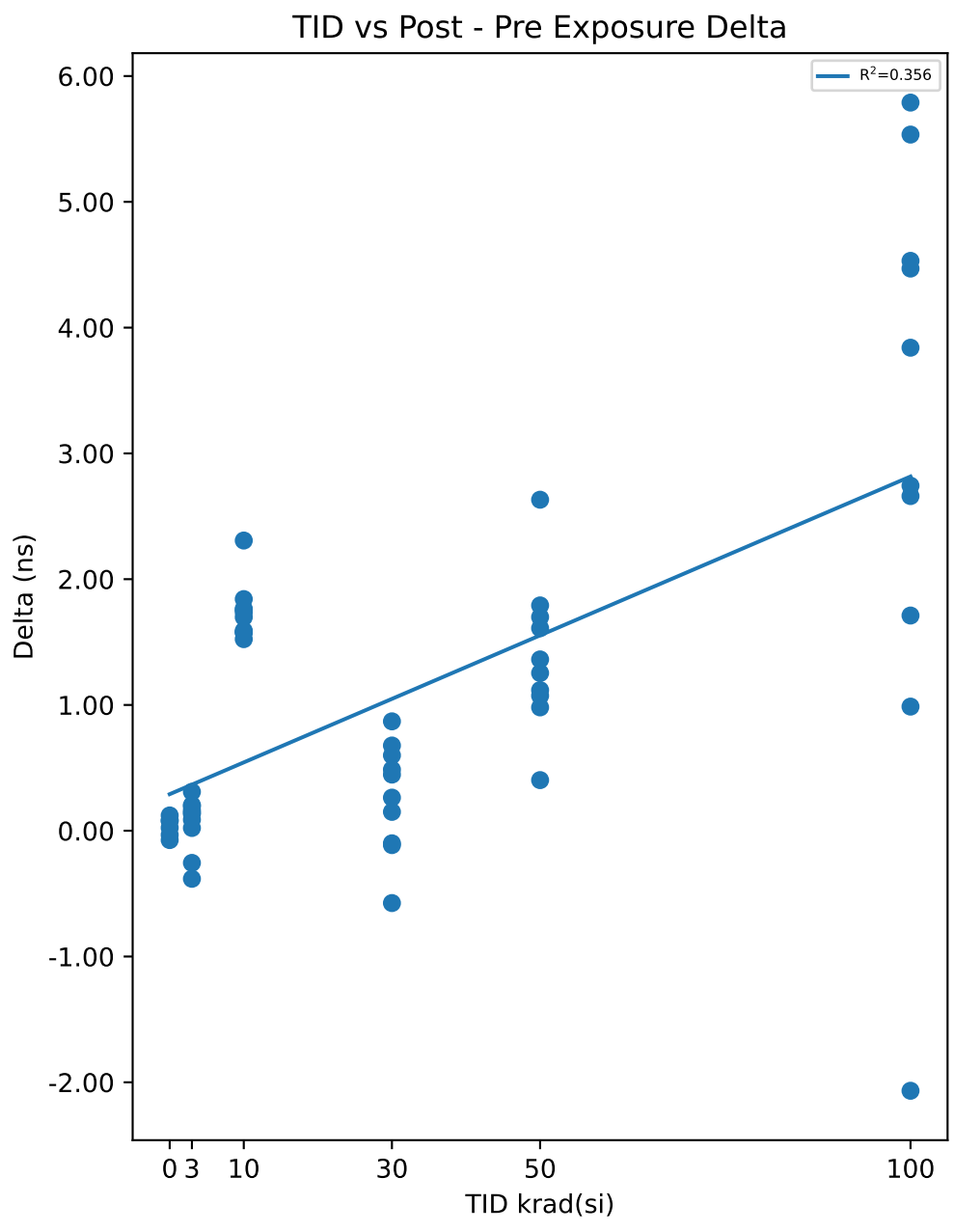


Test Statistics (ns)

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	171.14	177.83	181.63	4.3239	171.23	177.96	181.87	4.2504	-0.1381	0.12862	0.4726	0.23798
3	171.16	176.27	181.54	3.4399	170.69	176.29	181.26	3.3503	-0.4708	0.01666	0.6107	0.33742
10	174.4	178.98	182.61	2.7828	174.09	178.98	181.59	2.5039	-1.6785	-0.00171	1.0667	0.75727
30	174.1	177.38	179.72	1.9643	173.9	178.09	182.35	2.5128	-0.245	0.70582	2.6336	0.88384
50	166.28	176.23	182.04	4.1966	165.9	175.23	179.55	3.5853	-2.8409	-0.99735	0.6155	1.3161
100	171.92	178.16	184.42	3.4315	172.38	180.19	189.94	5.0474	-2.6256	2.0368	7.4573	3.8065

Device Test: 24.160 _TIMING|DELAY/SW/14//511k//@T_DEAD





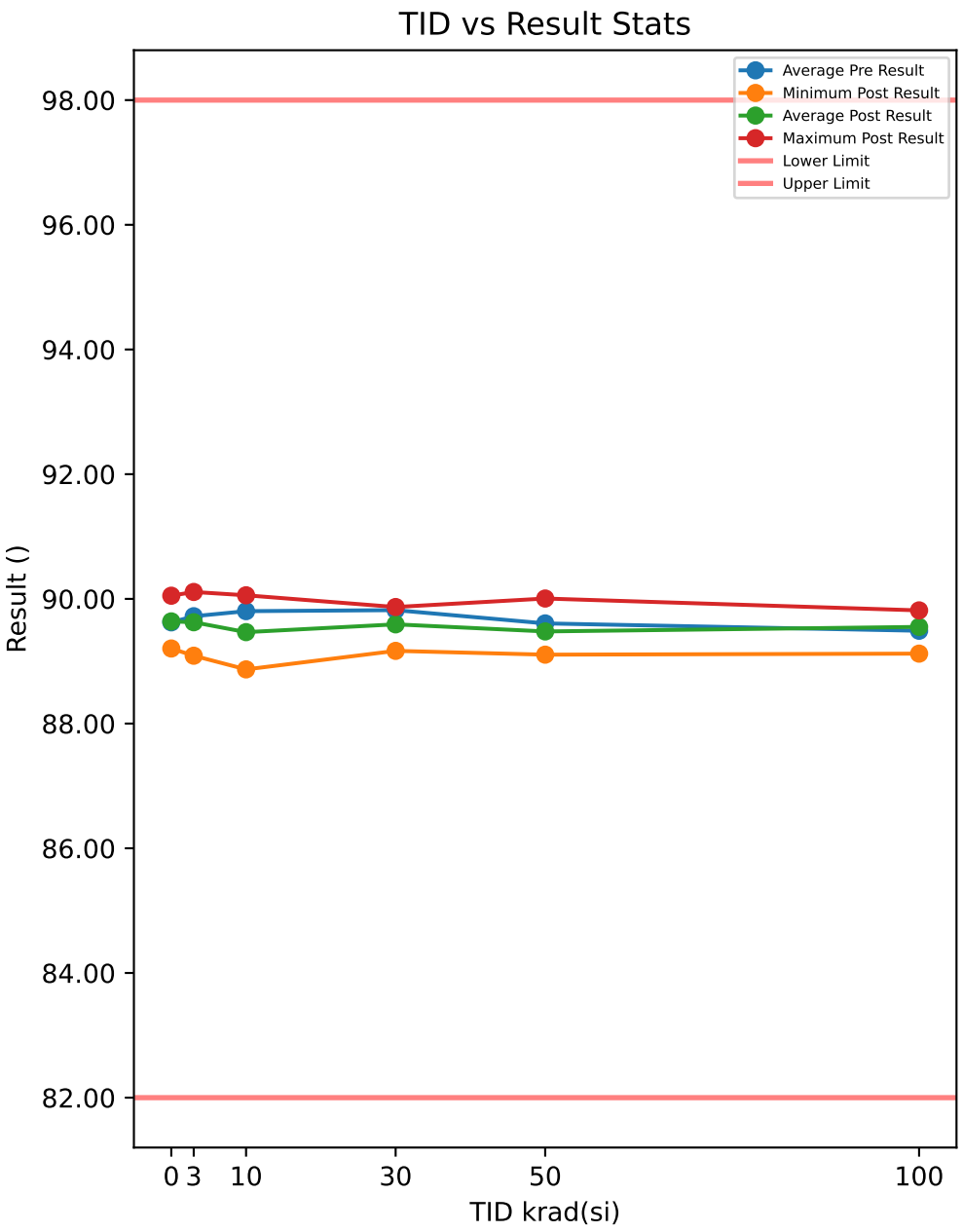
Test Results (No Limits Specified (ns))

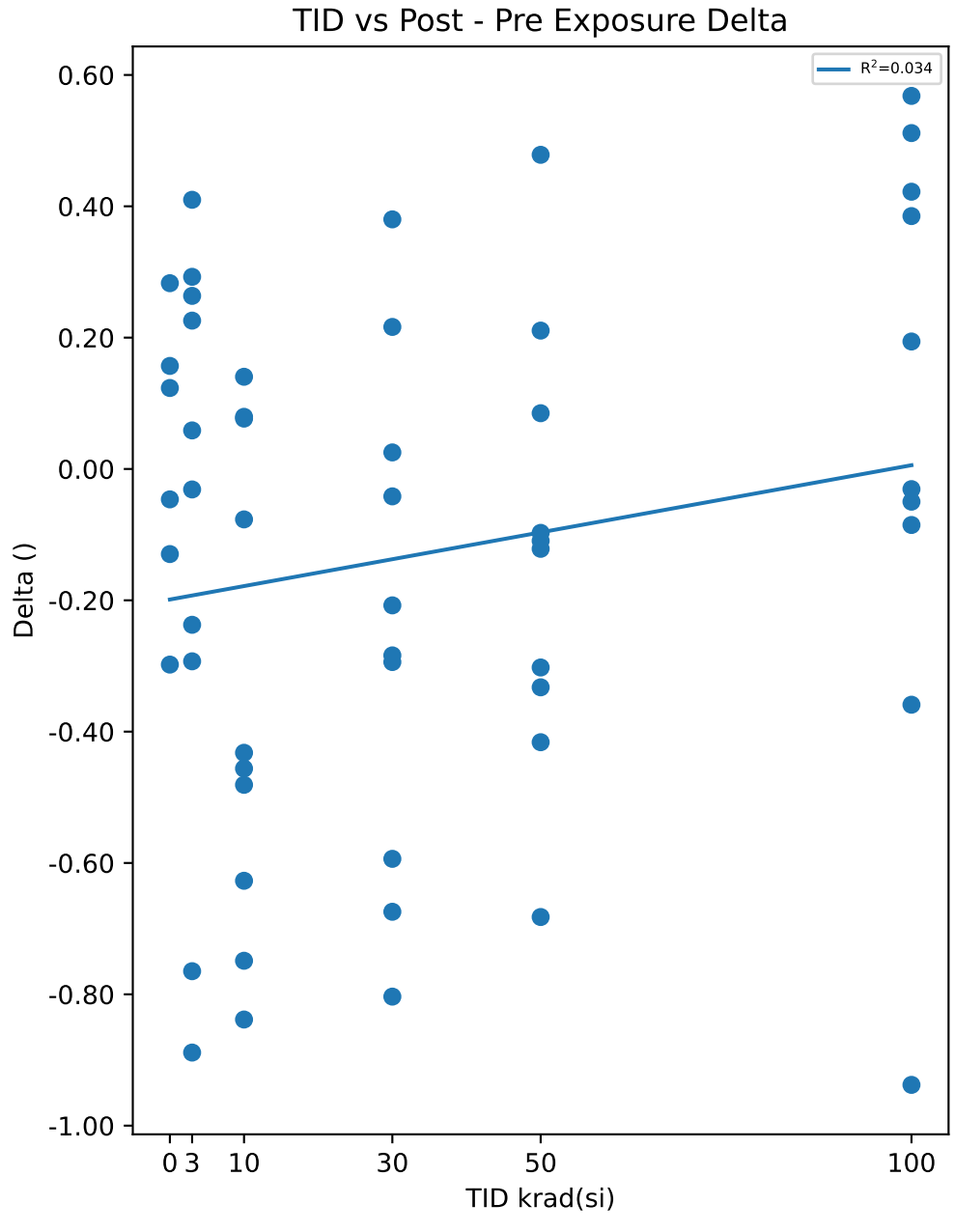
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	LDR Biased	93.051	93.361	0.3093
2	3	LDR Biased	91.921	91.539	-0.3821
3	3	LDR Biased	91.477	91.221	-0.2557
4	3	LDR Biased	91.04	91.184	0.1447
5	3	LDR Biased	92.29	92.311	0.022
6	10	LDR Biased	90.828	92.408	1.5804
7	10	LDR Biased	91.423	93.179	1.756
8	10	LDR Biased	91.288	92.986	1.6979
9	10	LDR Biased	91.399	92.922	1.5232
10	10	LDR Biased	90.983	92.719	1.7367
11	30	LDR Biased	90.912	90.812	-0.0999
12	30	LDR Biased	91.735	92.222	0.4864
13	30	LDR Biased	92.33	93.007	0.6775
14	30	LDR Biased	92.236	93.105	0.8697
15	30	LDR Biased	92.049	92.648	0.5994
16	50	LDR Biased	92.146	94.778	2.6317
17	50	LDR Biased	90.847	92.101	1.2538
18	50	LDR Biased	89.436	91.135	1.6989
19	50	LDR Biased	90.799	92.59	1.7914
20	50	LDR Biased	91.445	93.056	1.6104
21	100	LDR Biased	91.459	95.99	4.5308
22	100	LDR Biased	90.15	91.137	0.9869
23	100	LDR Biased	92.98	98.769	5.7891
24	100	LDR Biased	91.497	95.338	3.8403
25	100	LDR Biased	91.264	93.925	2.6607
26	3	LDR Unbiased	91.556	91.76	0.2037
27	3	LDR Unbiased	90.243	90.33	0.0877
28	3	LDR Unbiased	91.389	91.585	0.1961
29	3	LDR Unbiased	90.136	90.27	0.1344
30	3	LDR Unbiased	91.244	91.408	0.1644
31	10	LDR Unbiased	91.616	93.458	1.8416
32	10	LDR Unbiased	91.445	93.035	1.5905
33	10	LDR Unbiased	90.26	91.833	1.5733
34	10	LDR Unbiased	90.364	92.129	1.7651
35	10	LDR Unbiased	91.559	93.866	2.3072
36	30	LDR Unbiased	88.338	87.763	-0.575
37	30	LDR Unbiased	91.306	91.192	-0.1142
38	30	LDR Unbiased	90.548	90.811	0.2633
39	30	LDR Unbiased	91.388	91.835	0.4464
40	30	LDR Unbiased	91.072	91.222	0.15
41	50	LDR Unbiased	92.609	93.971	1.3621
42	50	LDR Unbiased	91.993	92.974	0.9807
43	50	LDR Unbiased	90.579	90.982	0.4025
44	50	LDR Unbiased	92.155	93.273	1.1181
45	50	LDR Unbiased	91.392	92.465	1.0733
46	100	LDR Unbiased	91.976	94.719	2.7431
47	100	LDR Unbiased	90.653	92.364	1.7109
48	100	LDR Unbiased	89.147	87.08	-2.0674
49	100	LDR Unbiased	93.051	98.586	5.5347
50	100	LDR Unbiased	92.713	97.182	4.4695
60	0	Correlation	92.96	93.043	0.0826
61	0	Correlation	91.124	91.091	-0.033
62	0	Correlation	89.228	89.154	-0.0742
63	0	Correlation	92.251	92.274	0.0239
64	0	Correlation	91.483	91.604	0.1216
65	0	Correlation	92.445	92.523	0.0786

Test Statistics (ns)

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	89.228	91.582	92.96	1.3304	89.154	91.615	93.043	1.3877	-0.0742	0.03325	0.1216	0.075259
3	90.136	91.435	93.051	0.87564	90.27	91.497	93.361	0.89834	-0.3821	0.06245	0.3093	0.21659
10	90.26	91.116	91.616	0.48973	91.833	92.853	93.866	0.6087	1.5232	1.7372	2.3072	0.2254
30	88.338	91.191	92.33	1.1602	87.763	91.462	93.105	1.5588	-0.575	0.27036	0.8697	0.4378
50	89.436	91.34	92.609	0.94914	90.982	92.733	94.778	1.1683	0.4025	1.3923	2.6317	0.59471
100	89.147	91.489	93.051	1.266	87.08	94.509	98.769	3.5954	-2.0674	3.0199	5.7891	2.3801

Device Test: 24.17 _TIMING|PHASESHIFT/SYNC1/4.5//511k//@SYNC_PH_SHIFT





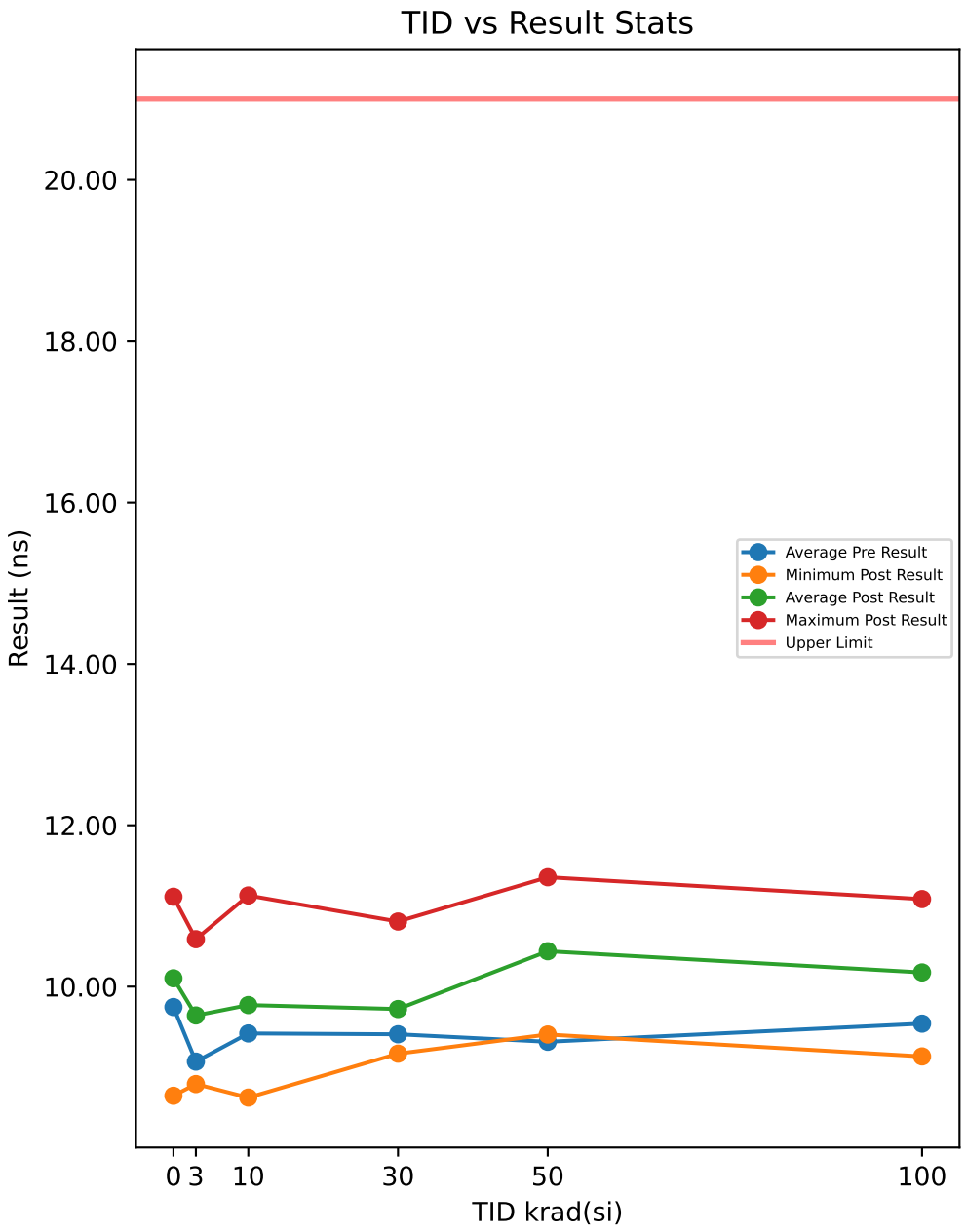
Test Results (Lower Limit = 82.0, Upper Limit = 98.0 ())

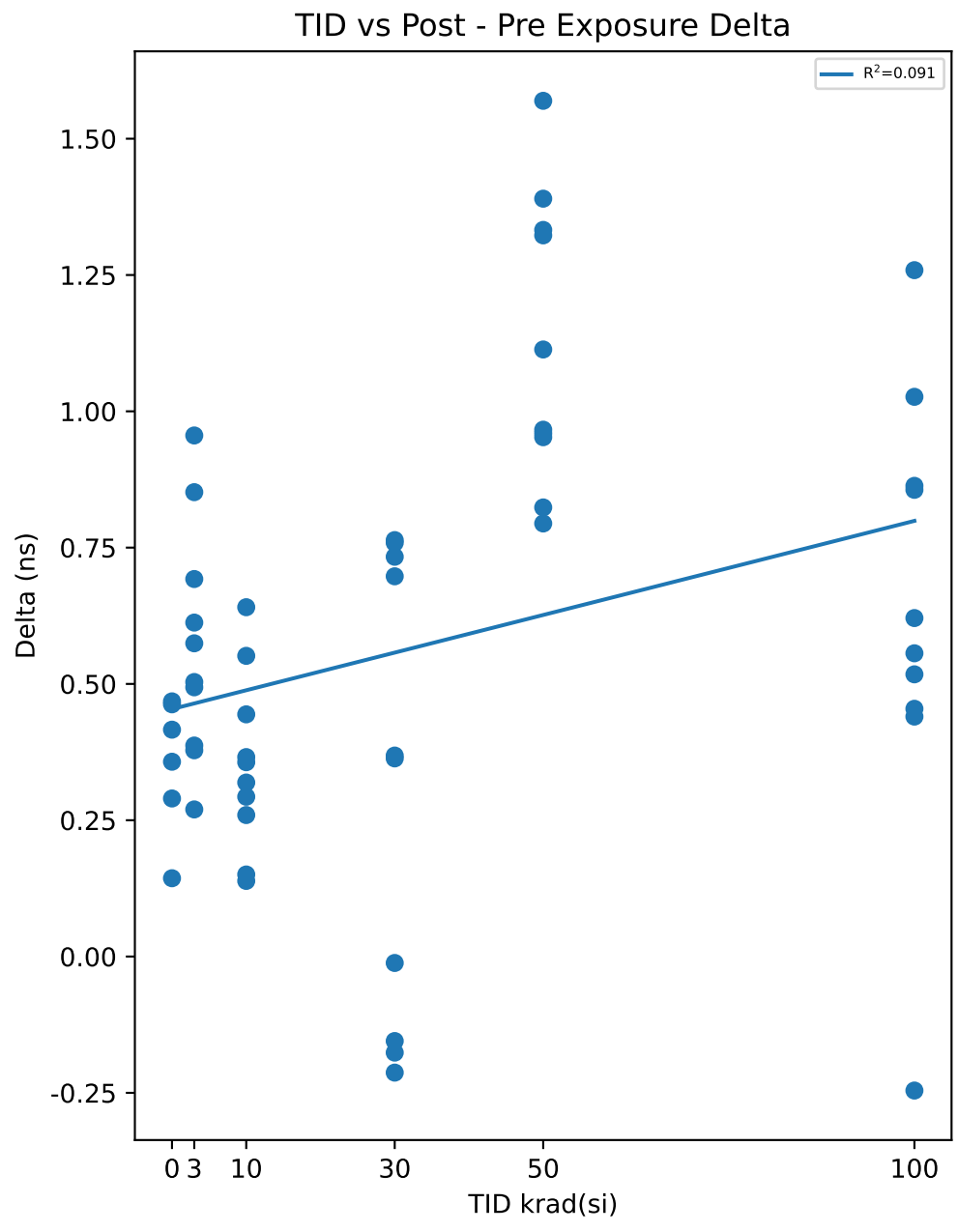
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	LDR Biased	90.2	89.311	-0.8887
2	3	LDR Biased	89.491	89.784	0.2926
3	3	LDR Biased	90.114	89.822	-0.2929
4	3	LDR Biased	89.333	89.597	0.2636
5	3	LDR Biased	89.55	89.776	0.2259
6	10	LDR Biased	89.483	89.624	0.1404
7	10	LDR Biased	89.478	89.555	0.0767
8	10	LDR Biased	89.414	89.337	-0.0768
9	10	LDR Biased	89.707	88.869	-0.8384
10	10	LDR Biased	89.534	89.102	-0.4322
11	30	LDR Biased	89.76	89.718	-0.0417
12	30	LDR Biased	89.97	89.166	-0.8035
13	30	LDR Biased	89.846	89.252	-0.5937
14	30	LDR Biased	89.844	89.869	0.0252
15	30	LDR Biased	89.951	89.744	-0.2077
16	50	LDR Biased	89.527	90.006	0.4784
17	50	LDR Biased	89.7	89.284	-0.4161
18	50	LDR Biased	89.512	89.597	0.0849
19	50	LDR Biased	89.602	89.27	-0.3325
20	50	LDR Biased	89.993	89.311	-0.6823
21	100	LDR Biased	89.184	89.569	0.3851
22	100	LDR Biased	89.692	89.607	-0.0853
23	100	LDR Biased	89.145	89.339	0.1941
24	100	LDR Biased	89.31	89.732	0.4222
25	100	LDR Biased	89.782	89.751	-0.0307
26	3	LDR Unbiased	89.617	89.379	-0.2373
27	3	LDR Unbiased	89.853	89.088	-0.7648
28	3	LDR Unbiased	89.647	89.616	-0.0312
29	3	LDR Unbiased	89.712	89.77	0.0587
30	3	LDR Unbiased	89.701	90.111	0.4099
31	10	LDR Unbiased	90.311	89.684	-0.6271
32	10	LDR Unbiased	89.887	89.406	-0.481
33	10	LDR Unbiased	90.265	89.516	-0.7489
34	10	LDR Unbiased	89.978	90.058	0.0794
35	10	LDR Unbiased	89.97	89.514	-0.4562
36	30	LDR Unbiased	90.022	89.738	-0.2839
37	30	LDR Unbiased	90.216	89.541	-0.6743
38	30	LDR Unbiased	89.24	89.62	0.3801
39	30	LDR Unbiased	89.494	89.71	0.2163
40	30	LDR Unbiased	89.85	89.556	-0.294
41	50	LDR Unbiased	89.227	89.105	-0.1216
42	50	LDR Unbiased	89.928	89.83	-0.0973
43	50	LDR Unbiased	89.277	89.488	0.2107
44	50	LDR Unbiased	89.534	89.425	-0.1094
45	50	LDR Unbiased	89.766	89.464	-0.3023
46	100	LDR Unbiased	89.301	89.813	0.5115
47	100	LDR Unbiased	89.481	89.122	-0.359
48	100	LDR Unbiased	90.086	89.148	-0.9379
49	100	LDR Unbiased	89.659	89.61	-0.0498
50	100	LDR Unbiased	89.247	89.815	0.5681
60	0	Correlation	89.541	89.698	0.1569
61	0	Correlation	89.768	90.051	0.2829
62	0	Correlation	89.502	89.204	-0.2979
63	0	Correlation	89.547	89.417	-0.1296
64	0	Correlation	89.549	89.502	-0.0463
65	0	Correlation	89.837	89.961	0.1233

Test Statistics ()

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	89.502	89.624	89.837	0.14122	89.204	89.639	90.051	0.32668	-0.2979	0.014883	0.2829	0.2127
3	89.333	89.722	90.2	0.26894	89.088	89.625	90.111	0.29656	-0.8887	-0.09642	0.4099	0.44751
10	89.414	89.803	90.311	0.32973	88.869	89.467	90.058	0.32386	-0.8384	-0.33641	0.1404	0.36353
30	89.24	89.819	90.216	0.27591	89.166	89.592	89.869	0.22427	-0.8035	-0.22772	0.3801	0.38558
50	89.227	89.607	89.993	0.24947	89.105	89.478	90.006	0.27238	-0.6823	-0.12875	0.4784	0.33192
100	89.145	89.489	90.086	0.30729	89.122	89.551	89.815	0.26023	-0.9379	0.06183	0.5681	0.46303

Device Test: 24.18 _TIMING|RISE/SYNC1/4.5//511k//@SYNC_LH_RISE_TIME





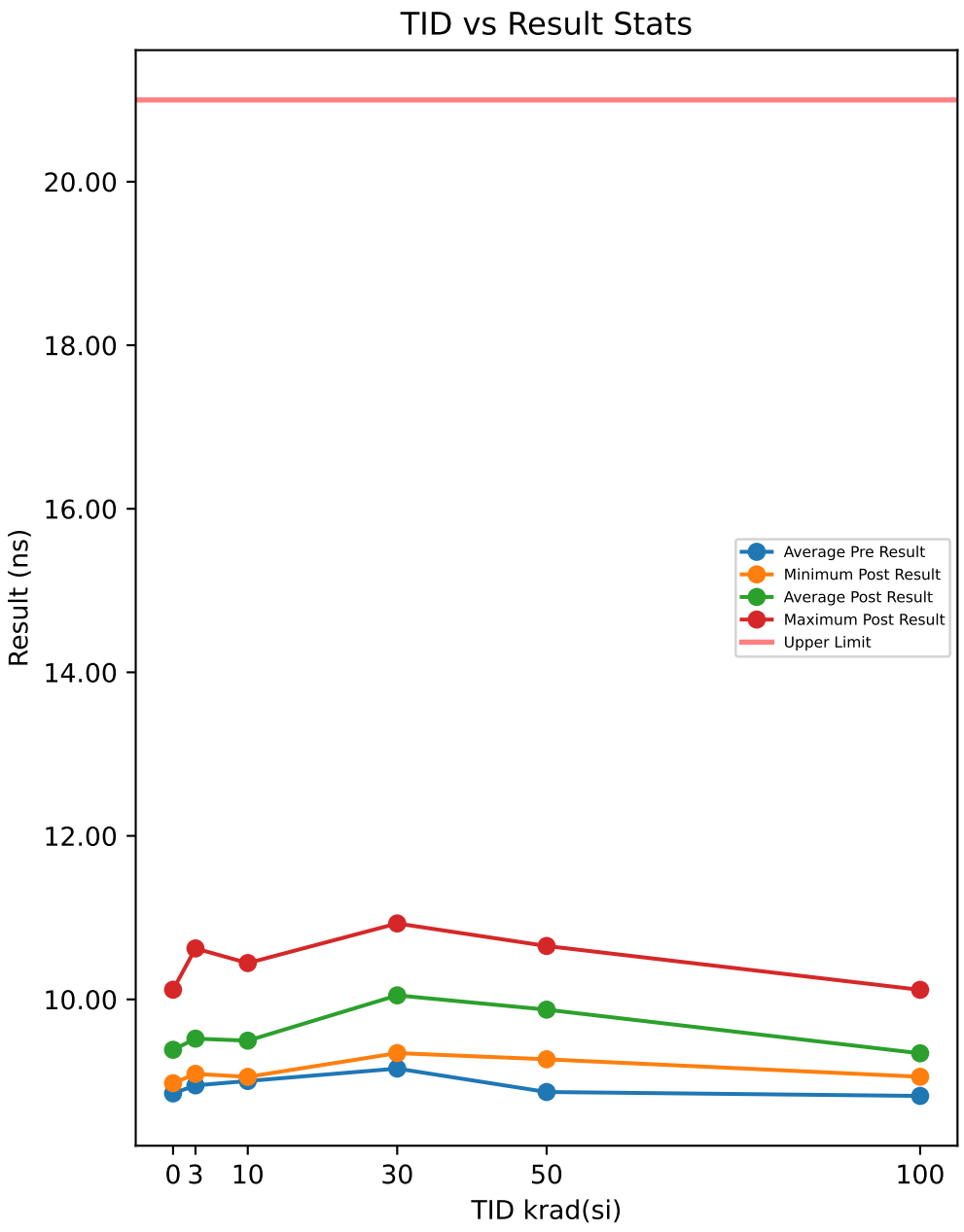
Test Results (Upper Limit = 21.0 (ns))

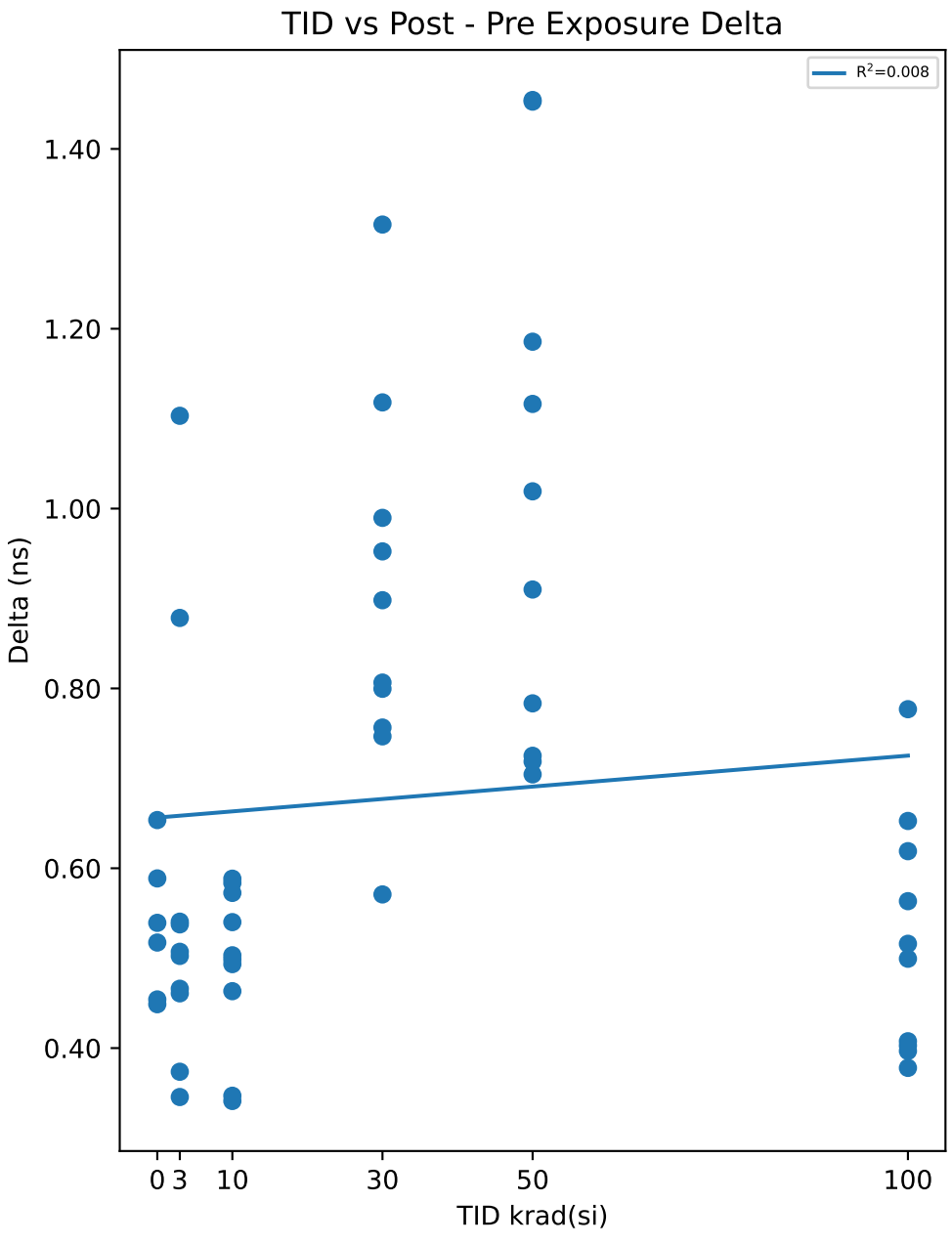
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	LDR Biased	8.6969	9.1907	0.4938
2	3	LDR Biased	9.5262	10.378	0.8517
3	3	LDR Biased	9.9721	10.242	0.2698
4	3	LDR Biased	9.1292	9.7417	0.6125
5	3	LDR Biased	8.9348	9.5093	0.5745
6	10	LDR Biased	10.811	11.13	0.3191
7	10	LDR Biased	8.4861	8.6248	0.1387
8	10	LDR Biased	10.139	10.584	0.4442
9	10	LDR Biased	8.4442	8.7037	0.2595
10	10	LDR Biased	8.8508	9.2072	0.3564
11	30	LDR Biased	8.4525	9.2114	0.7589
12	30	LDR Biased	10.438	10.807	0.3686
13	30	LDR Biased	9.6321	9.4771	-0.155
14	30	LDR Biased	10.351	10.138	-0.2129
15	30	LDR Biased	8.484	9.1814	0.6974
16	50	LDR Biased	10.259	11.219	0.9596
17	50	LDR Biased	8.4539	9.4064	0.9525
18	50	LDR Biased	8.626	10.016	1.39
19	50	LDR Biased	8.6099	9.7233	1.1134
20	50	LDR Biased	9.6009	10.924	1.3227
21	100	LDR Biased	8.8736	10.133	1.2589
22	100	LDR Biased	9.5306	10.151	0.6208
23	100	LDR Biased	10.567	11.085	0.5176
24	100	LDR Biased	9.0592	10.086	1.0266
25	100	LDR Biased	9.1962	10.059	0.8633
26	3	LDR Unbiased	8.4855	8.8725	0.387
27	3	LDR Unbiased	8.7553	9.2588	0.5035
28	3	LDR Unbiased	9.1605	9.8529	0.6924
29	3	LDR Unbiased	9.632	10.588	0.9557
30	3	LDR Unbiased	8.4138	8.7921	0.3783
31	10	LDR Unbiased	10.506	10.799	0.2931
32	10	LDR Unbiased	9.1971	9.8378	0.6407
33	10	LDR Unbiased	10.277	10.427	0.1505
34	10	LDR Unbiased	8.9578	9.5093	0.5515
35	10	LDR Unbiased	8.5272	8.893	0.3658
36	30	LDR Unbiased	9.3749	9.7383	0.3634
37	30	LDR Unbiased	10.06	9.8835	-0.1762
38	30	LDR Unbiased	8.5635	9.3273	0.7638
39	30	LDR Unbiased	8.4357	9.1689	0.7332
40	30	LDR Unbiased	10.301	10.289	-0.0118
41	50	LDR Unbiased	9.4987	10.465	0.9663
42	50	LDR Unbiased	8.8263	10.159	1.3327
43	50	LDR Unbiased	10.151	10.946	0.7943
44	50	LDR Unbiased	10.532	11.356	0.8237
45	50	LDR Unbiased	8.6046	10.174	1.5695
46	100	LDR Unbiased	10.011	10.867	0.856
47	100	LDR Unbiased	9.4332	9.8733	0.4401
48	100	LDR Unbiased	10.407	10.161	-0.2458
49	100	LDR Unbiased	8.5787	9.1349	0.5562
50	100	LDR Unbiased	9.7535	10.208	0.4544
60	0	Correlation	9.8254	10.242	0.4161
61	0	Correlation	9.9139	10.382	0.468
62	0	Correlation	8.3572	8.6471	0.2899
63	0	Correlation	9.2712	9.7338	0.4626
64	0	Correlation	10.97	11.114	0.1436
65	0	Correlation	10.144	10.502	0.3573

Test Statistics (ns)

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	8.3572	9.7471	10.97	0.87711	8.6471	10.103	11.114	0.84072	0.1436	0.35625	0.468	0.1241
3	8.4138	9.0706	9.9721	0.51405	8.7921	9.6425	10.588	0.62652	0.2698	0.57192	0.9557	0.21486
10	8.4442	9.4196	10.811	0.91731	8.6248	9.7715	11.13	0.91944	0.1387	0.35195	0.6407	0.16023
30	8.4357	9.4093	10.438	0.85954	9.1689	9.7222	10.807	0.55503	-0.2129	0.31294	0.7638	0.41799
50	8.4539	9.3163	10.532	0.79194	9.4064	10.439	11.356	0.65377	0.7943	1.1225	1.5695	0.26511
100	8.5787	9.541	10.567	0.65003	9.1349	10.176	11.085	0.52751	-0.2458	0.63481	1.2589	0.40963

Device Test: 24.19 _TIMING|RISE/SYNC2/4.5//511k//@SYNC_LH_RISE_TIME





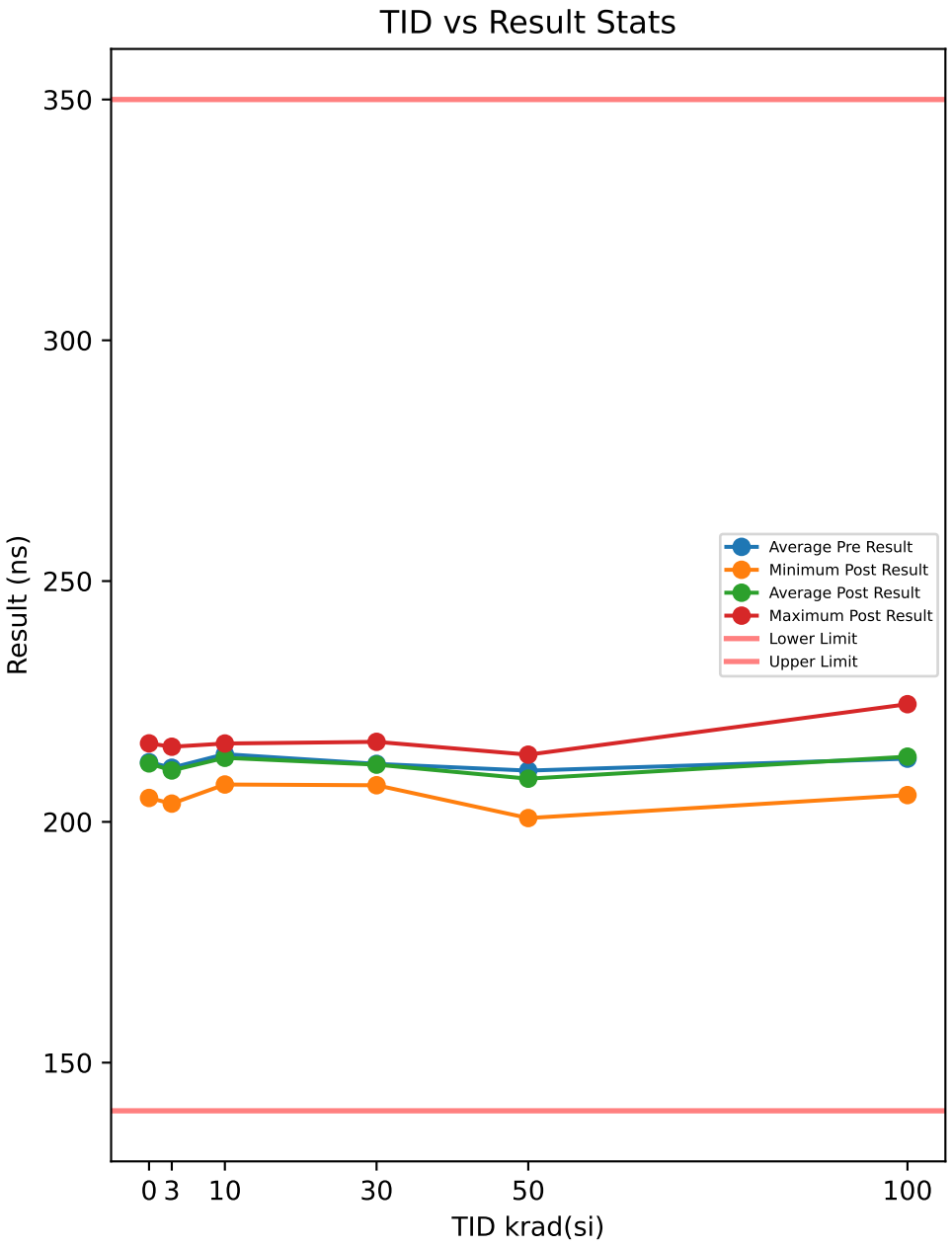
Test Results (Upper Limit = 21.0 (ns))

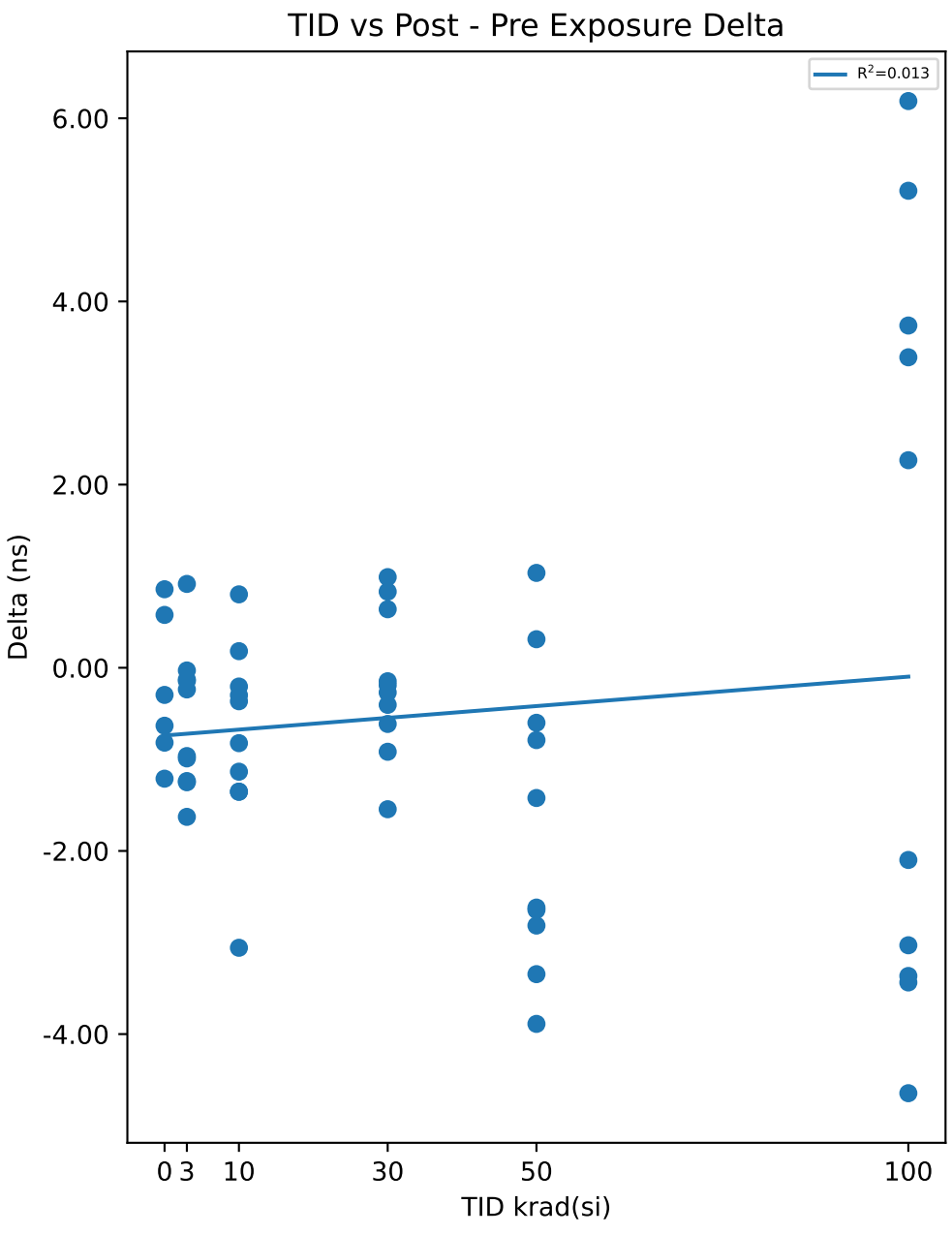
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	LDR Biased	8.9758	9.4367	0.4609
2	3	LDR Biased	8.7383	9.2454	0.5071
3	3	LDR Biased	8.6437	9.1843	0.5406
4	3	LDR Biased	8.8672	9.3697	0.5025
5	3	LDR Biased	8.9191	9.4567	0.5376
6	10	LDR Biased	8.4749	9.0585	0.5836
7	10	LDR Biased	9.9166	10.264	0.347
8	10	LDR Biased	8.6577	9.1978	0.5401
9	10	LDR Biased	9.8716	10.444	0.5726
10	10	LDR Biased	8.7961	9.2594	0.4633
11	30	LDR Biased	9.7047	10.603	0.8981
12	30	LDR Biased	8.5966	9.3433	0.7467
13	30	LDR Biased	8.7957	9.9138	1.1181
14	30	LDR Biased	8.6526	9.4522	0.7996
15	30	LDR Biased	10.295	10.866	0.5709
16	50	LDR Biased	8.6189	9.344	0.7251
17	50	LDR Biased	9.2005	10.653	1.4526
18	50	LDR Biased	9.0223	10.208	1.1856
19	50	LDR Biased	9.1847	10.639	1.4544
20	50	LDR Biased	8.69	9.4087	0.7187
21	100	LDR Biased	8.8877	9.2657	0.378
22	100	LDR Biased	8.8426	9.2394	0.3968
23	100	LDR Biased	8.6509	9.0537	0.4028
24	100	LDR Biased	8.7985	9.2979	0.4994
25	100	LDR Biased	8.8323	9.2399	0.4076
26	3	LDR Unbiased	9.4412	10.32	0.8784
27	3	LDR Unbiased	8.9092	9.2829	0.3737
28	3	LDR Unbiased	8.7276	9.1936	0.466
29	3	LDR Unbiased	8.7438	9.0894	0.3456
30	3	LDR Unbiased	9.5199	10.623	1.1032
31	10	LDR Unbiased	8.5647	9.0634	0.4987
32	10	LDR Unbiased	8.8539	9.3473	0.4934
33	10	LDR Unbiased	8.7114	9.0526	0.3412
34	10	LDR Unbiased	8.8572	9.3604	0.5032
35	10	LDR Unbiased	9.3162	9.9046	0.5884
36	30	LDR Unbiased	8.7302	9.7199	0.9897
37	30	LDR Unbiased	8.7305	9.6829	0.9524
38	30	LDR Unbiased	9.199	10.515	1.3159
39	30	LDR Unbiased	10.172	10.929	0.7565
40	30	LDR Unbiased	8.6638	9.4703	0.8065
41	50	LDR Unbiased	8.7929	9.7029	0.91
42	50	LDR Unbiased	8.9273	10.044	1.1164
43	50	LDR Unbiased	8.6309	9.4143	0.7834
44	50	LDR Unbiased	8.5631	9.2675	0.7044
45	50	LDR Unbiased	9.0439	10.063	1.0192
46	100	LDR Unbiased	8.5782	9.0942	0.516
47	100	LDR Unbiased	8.7781	9.4307	0.6526
48	100	LDR Unbiased	8.6731	9.2365	0.5634
49	100	LDR Unbiased	9.34	10.117	0.7769
50	100	LDR Unbiased	8.813	9.432	0.619
60	0	Correlation	8.8207	9.36	0.5393
61	0	Correlation	8.7029	9.1517	0.4488
62	0	Correlation	9.601	10.118	0.5174
63	0	Correlation	8.7987	9.3874	0.5887
64	0	Correlation	8.5208	8.9749	0.4541
65	0	Correlation	8.6567	9.3103	0.6536

Test Statistics (ns)

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	8.5208	8.8501	9.601	0.38337	8.9749	9.3838	10.118	0.39158	0.4488	0.53365	0.6536	0.079047
3	8.6437	8.9486	9.5199	0.29941	9.0894	9.5201	10.623	0.51919	0.3456	0.57156	1.1032	0.23604
10	8.4749	9.002	9.9166	0.52162	9.0526	9.4952	10.444	0.51809	0.3412	0.49315	0.5884	0.088971
30	8.5966	9.154	10.295	0.66102	9.3433	10.049	10.929	0.61588	0.5709	0.89544	1.3159	0.21144
50	8.5631	8.8674	9.2005	0.23983	9.2675	9.8744	10.653	0.52433	0.7044	1.007	1.4544	0.28988
100	8.5782	8.8194	9.34	0.20724	9.0537	9.3407	10.117	0.29829	0.378	0.52125	0.7769	0.13225

Device Test: 24.2 _TIMING|DELAY/SYNC1/4.5//OPEN//@SYNC1_SW_DELAY_4V





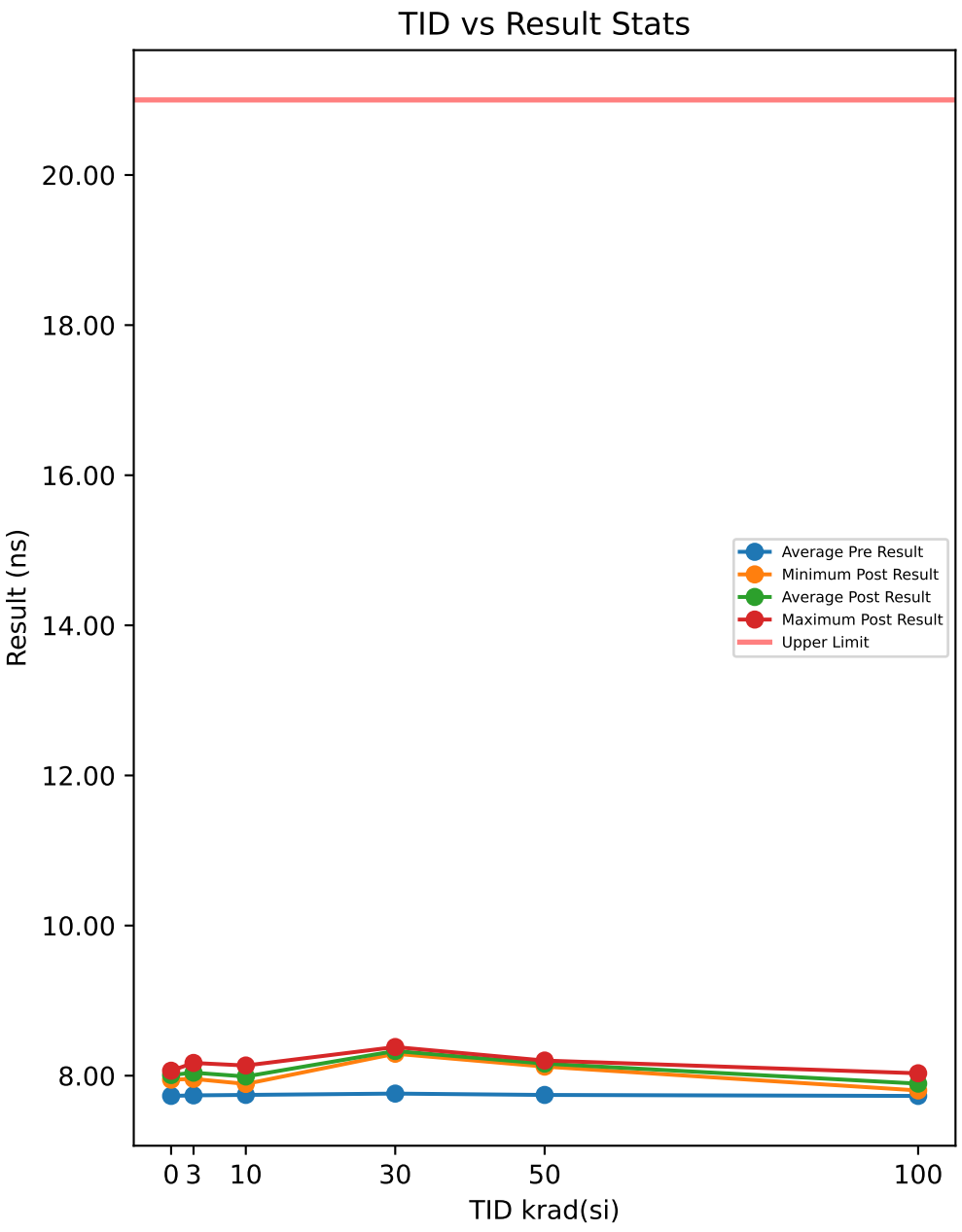
Test Results (Lower Limit = 140.0, Upper Limit = 350.0 (ns))

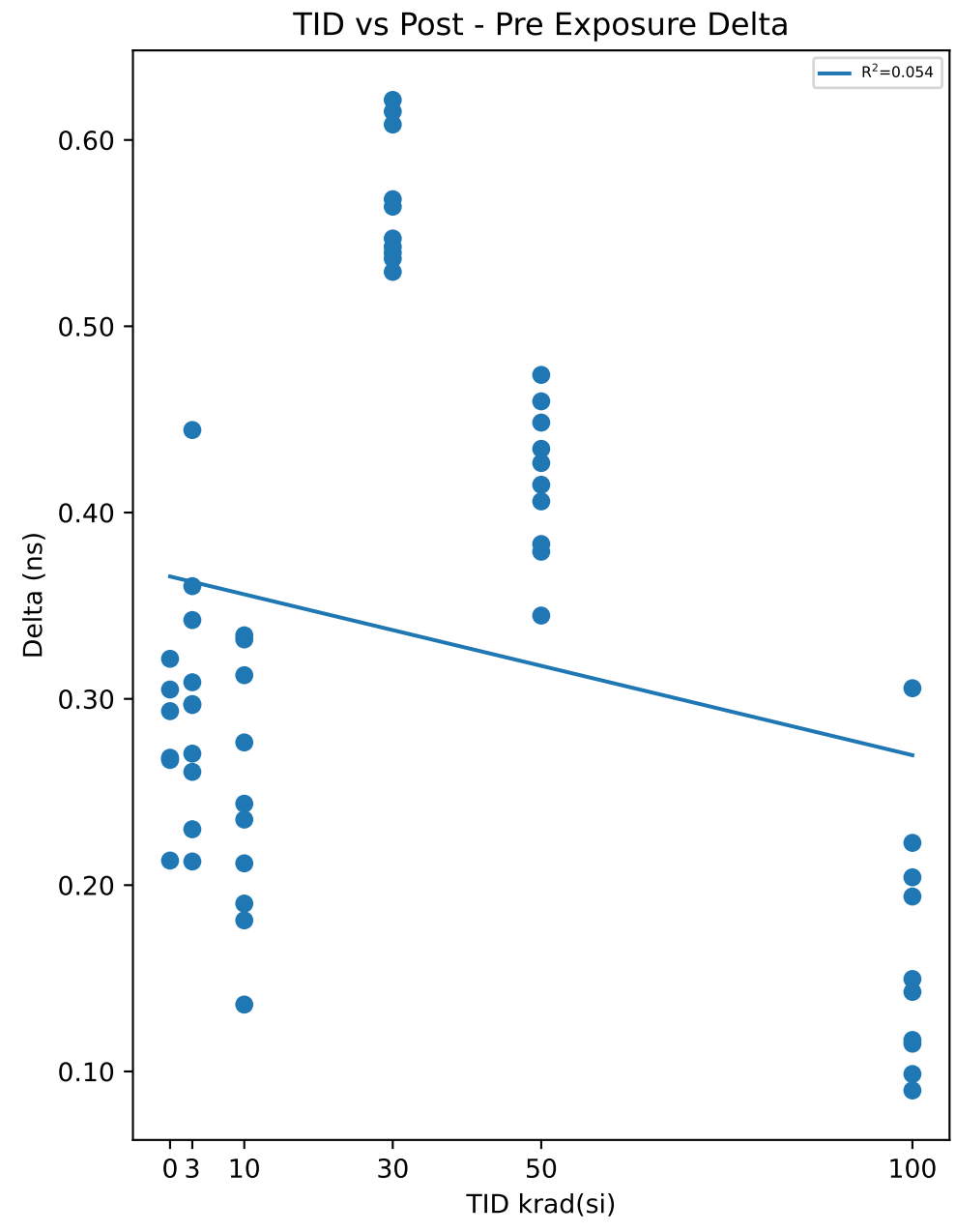
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	LDR Biased	215.81	215.57	-0.2364
2	3	LDR Biased	213.9	212.67	-1.237
3	3	LDR Biased	205.42	203.79	-1.628
4	3	LDR Biased	216.56	215.6	-0.964
5	3	LDR Biased	207.63	207.49	-0.1442
6	10	LDR Biased	216.48	216.27	-0.2049
7	10	LDR Biased	216.29	215.99	-0.2994
8	10	LDR Biased	212.06	210.93	-1.1348
9	10	LDR Biased	213.59	213.77	0.1813
10	10	LDR Biased	216.29	215.46	-0.8232
11	30	LDR Biased	212.36	212.09	-0.27
12	30	LDR Biased	212.29	212.1	-0.1909
13	30	LDR Biased	208.79	209.78	0.9898
14	30	LDR Biased	210.86	210.71	-0.1472
15	30	LDR Biased	215.98	216.62	0.6392
16	50	LDR Biased	209.75	209.15	-0.6008
17	50	LDR Biased	211.57	210.15	-1.422
18	50	LDR Biased	199.75	200.79	1.0359
19	50	LDR Biased	209.32	209.63	0.3117
20	50	LDR Biased	209.68	208.89	-0.7897
21	100	LDR Biased	215.67	219.06	3.3902
22	100	LDR Biased	219.23	224.44	5.2086
23	100	LDR Biased	211.46	215.2	3.7371
24	100	LDR Biased	213.6	215.86	2.2664
25	100	LDR Biased	207.2	213.39	6.1881
26	3	LDR Unbiased	210.28	210.25	-0.0294
27	3	LDR Unbiased	213.19	211.94	-1.2501
28	3	LDR Unbiased	209.57	209.44	-0.1274
29	3	LDR Unbiased	210.07	209.08	-0.9896
30	3	LDR Unbiased	209.96	210.88	0.9155
31	10	LDR Unbiased	215.68	214.33	-1.3529
32	10	LDR Unbiased	217.75	214.69	-3.0575
33	10	LDR Unbiased	208.99	209.79	0.8016
34	10	LDR Unbiased	209.11	207.76	-1.3534
35	10	LDR Unbiased	214.37	214	-0.3655
36	30	LDR Unbiased	208.01	207.6	-0.4049
37	30	LDR Unbiased	214.34	213.72	-0.6134
38	30	LDR Unbiased	213	211.45	-1.5446
39	30	LDR Unbiased	214.5	215.33	0.8312
40	30	LDR Unbiased	210.29	209.38	-0.9172
41	50	LDR Unbiased	216.57	213.95	-2.6187
42	50	LDR Unbiased	214.52	211.87	-2.6442
43	50	LDR Unbiased	213.08	210.27	-2.8148
44	50	LDR Unbiased	211.69	208.34	-3.3455
45	50	LDR Unbiased	210.51	206.62	-3.8887
46	100	LDR Unbiased	212.02	208.99	-3.0301
47	100	LDR Unbiased	214.84	212.74	-2.0987
48	100	LDR Unbiased	214.87	211.51	-3.3655
49	100	LDR Unbiased	212.12	208.68	-3.436
50	100	LDR Unbiased	210.2	205.56	-4.6455
60	0	Correlation	208.1	207.8	-0.2964
61	0	Correlation	205.78	204.96	-0.8177
62	0	Correlation	214.66	213.45	-1.2111
63	0	Correlation	215.36	215.93	0.5772
64	0	Correlation	213.53	214.39	0.8574
65	0	Correlation	216.93	216.3	-0.6329

Test Statistics (ns)

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	205.78	212.39	216.93	4.4264	204.96	212.14	216.3	4.6641	-1.2111	-0.25392	0.8574	0.81305
3	205.42	211.24	216.56	3.5548	203.79	210.67	215.6	3.5845	-1.628	-0.56906	0.9155	0.77068
10	208.99	214.06	217.75	3.1004	207.76	213.3	216.27	2.8503	-3.0575	-0.76087	0.8016	1.0608
30	208.01	212.04	215.98	2.5641	207.6	211.88	216.62	2.7557	-1.5446	-0.1628	0.9898	0.79669
50	199.75	210.64	216.57	4.4738	200.79	208.97	213.95	3.4904	-3.8887	-1.6777	1.0359	1.637
100	207.2	213.12	219.23	3.3099	205.56	213.54	224.44	5.4787	-4.6455	0.42146	6.1881	4.1169

Device Test: 24.20 _TIMING|FALL/SYNC1/4.5//511k//@SYNC_HL_FALL_TIME





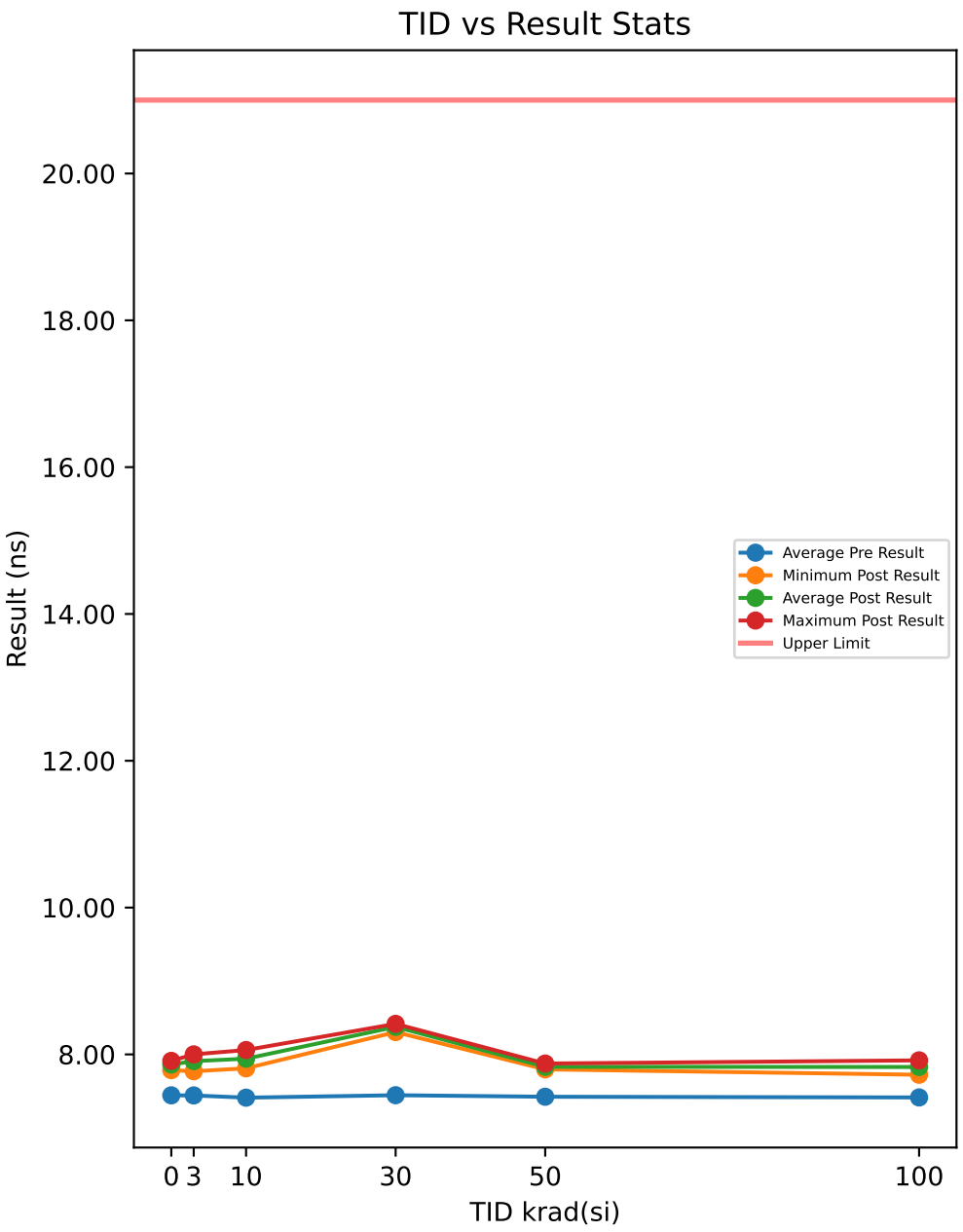
Test Results (Upper Limit = 21.0 (ns))

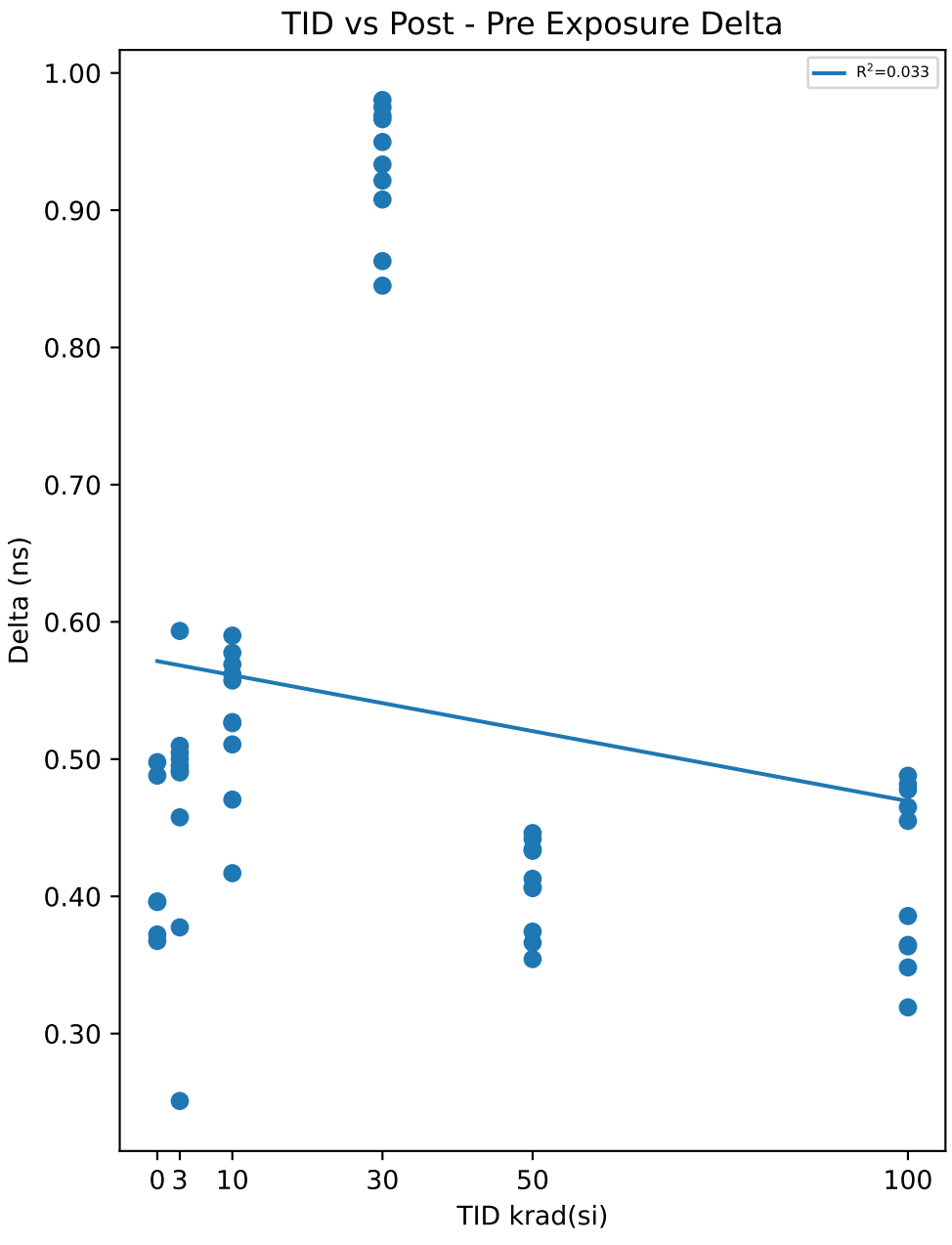
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	LDR Biased	7.7536	8.0242	0.2706
2	3	LDR Biased	7.7534	8.0957	0.3423
3	3	LDR Biased	7.7589	8.0197	0.2608
4	3	LDR Biased	7.7404	8.1009	0.3605
5	3	LDR Biased	7.7142	8.0231	0.3089
6	10	LDR Biased	7.7	7.8901	0.1901
7	10	LDR Biased	7.7204	7.9321	0.2117
8	10	LDR Biased	7.7488	7.9925	0.2437
9	10	LDR Biased	7.7113	8.0432	0.3319
10	10	LDR Biased	7.8014	8.1355	0.3341
11	30	LDR Biased	7.7666	8.3029	0.5363
12	30	LDR Biased	7.7484	8.2955	0.5471
13	30	LDR Biased	7.7242	8.2924	0.5682
14	30	LDR Biased	7.7764	8.3406	0.5642
15	30	LDR Biased	7.7665	8.3818	0.6153
16	50	LDR Biased	7.6469	8.1208	0.4739
17	50	LDR Biased	7.7493	8.1553	0.406
18	50	LDR Biased	7.6755	8.1238	0.4483
19	50	LDR Biased	7.811	8.19	0.379
20	50	LDR Biased	7.7302	8.1899	0.4597
21	100	LDR Biased	7.739	7.9432	0.2042
22	100	LDR Biased	7.7222	7.9161	0.1939
23	100	LDR Biased	7.7426	7.8922	0.1496
24	100	LDR Biased	7.7262	8.0319	0.3057
25	100	LDR Biased	7.7004	7.9231	0.2227
26	3	LDR Unbiased	7.7254	8.1697	0.4443
27	3	LDR Unbiased	7.7273	7.9573	0.23
28	3	LDR Unbiased	7.708	8.0047	0.2967
29	3	LDR Unbiased	7.7719	7.9846	0.2127
30	3	LDR Unbiased	7.7225	8.0197	0.2972
31	10	LDR Unbiased	7.7682	7.9041	0.1359
32	10	LDR Unbiased	7.7562	8.0328	0.2766
33	10	LDR Unbiased	7.7573	7.9925	0.2352
34	10	LDR Unbiased	7.7365	7.9176	0.1811
35	10	LDR Unbiased	7.737	8.0497	0.3127
36	30	LDR Unbiased	7.7685	8.308	0.5395
37	30	LDR Unbiased	7.7551	8.3634	0.6083
38	30	LDR Unbiased	7.6902	8.3117	0.6215
39	30	LDR Unbiased	7.8208	8.35	0.5292
40	30	LDR Unbiased	7.7968	8.3395	0.5427
41	50	LDR Unbiased	7.7656	8.1487	0.3831
42	50	LDR Unbiased	7.7614	8.188	0.4266
43	50	LDR Unbiased	7.7868	8.2017	0.4149
44	50	LDR Unbiased	7.7236	8.1578	0.4342
45	50	LDR Unbiased	7.7831	8.1278	0.3447
46	100	LDR Unbiased	7.6862	7.8031	0.1169
47	100	LDR Unbiased	7.7531	7.8429	0.0898
48	100	LDR Unbiased	7.7506	7.8492	0.0986
49	100	LDR Unbiased	7.769	7.8839	0.1149
50	100	LDR Unbiased	7.7132	7.8559	0.1427
60	0	Correlation	7.7333	7.9465	0.2132
61	0	Correlation	7.7171	8.0221	0.305
62	0	Correlation	7.7447	8.0662	0.3215
63	0	Correlation	7.7111	8.0045	0.2934
64	0	Correlation	7.7574	8.0258	0.2684
65	0	Correlation	7.7193	7.9865	0.2672

Test Statistics (ns)

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	7.7111	7.7305	7.7574	0.017969	7.9465	8.0086	8.0662	0.040392	0.2132	0.27812	0.3215	0.038121
3	7.708	7.7376	7.7719	0.021214	7.9573	8.04	8.1697	0.063375	0.2127	0.3024	0.4443	0.067688
10	7.7	7.7437	7.8014	0.029619	7.8901	7.989	8.1355	0.078423	0.1359	0.2453	0.3341	0.067723
30	7.6902	7.7614	7.8208	0.036166	8.2924	8.3286	8.3818	0.030801	0.5292	0.56723	0.6215	0.035169
50	7.6469	7.7433	7.811	0.050957	8.1208	8.1604	8.2017	0.030467	0.3447	0.41704	0.4739	0.039965
100	7.6862	7.7302	7.769	0.025539	7.8031	7.8942	8.0319	0.0643	0.0898	0.1639	0.3057	0.067583

Device Test: 24.21 _TIMING|FALL/SYNC2/4.5//511k//@SYNC_HL_FALL_TIME





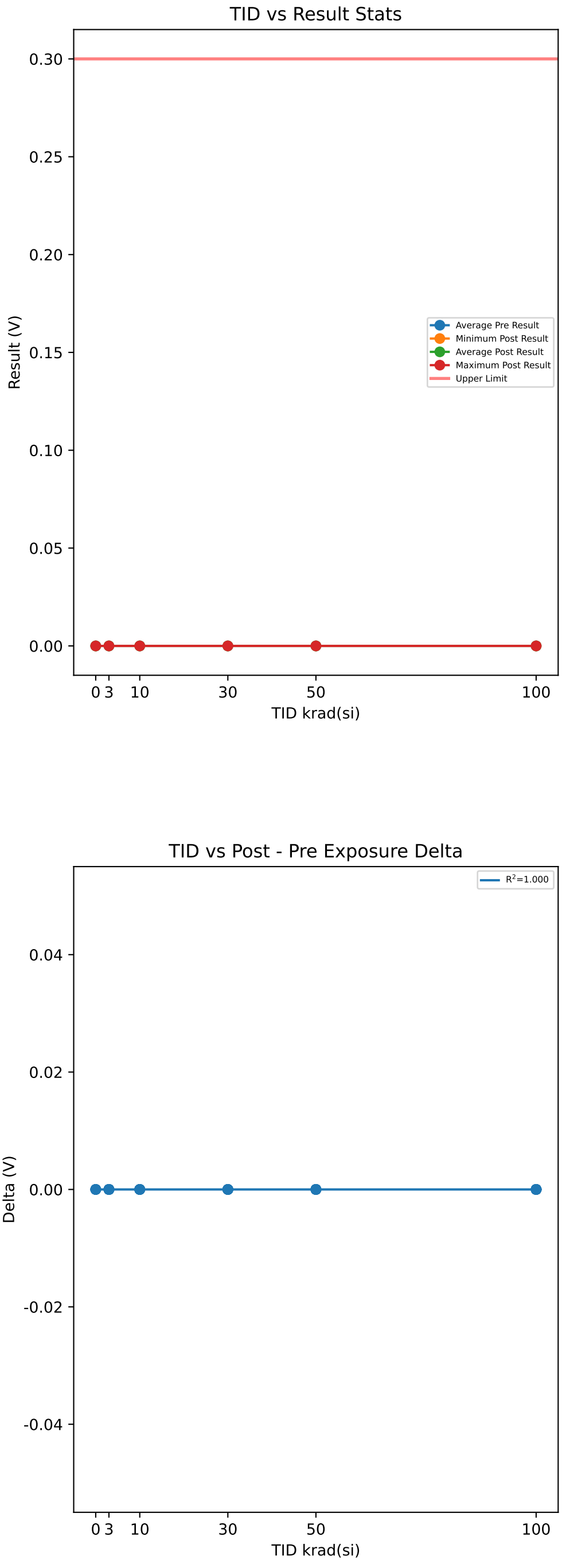
Test Results (Upper Limit = 21.0 (ns))

Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	LDR Biased	7.4216	7.9216	0.5
2	3	LDR Biased	7.5195	7.7704	0.2509
3	3	LDR Biased	7.458	7.9497	0.4917
4	3	LDR Biased	7.4529	7.9105	0.4576
5	3	LDR Biased	7.4136	7.9087	0.4951
6	10	LDR Biased	7.3523	7.863	0.5107
7	10	LDR Biased	7.3975	7.9593	0.5618
8	10	LDR Biased	7.3554	7.9244	0.569
9	10	LDR Biased	7.3934	7.8103	0.4169
10	10	LDR Biased	7.4696	8.0596	0.59
11	30	LDR Biased	7.4591	8.3041	0.845
12	30	LDR Biased	7.5107	8.3736	0.8629
13	30	LDR Biased	7.4236	8.3925	0.9689
14	30	LDR Biased	7.4346	8.3679	0.9333
15	30	LDR Biased	7.4459	8.3537	0.9078
16	50	LDR Biased	7.3636	7.8097	0.4461
17	50	LDR Biased	7.4667	7.821	0.3543
18	50	LDR Biased	7.4263	7.8329	0.4066
19	50	LDR Biased	7.4876	7.8619	0.3743
20	50	LDR Biased	7.4247	7.8375	0.4128
21	100	LDR Biased	7.4477	7.7668	0.3191
22	100	LDR Biased	7.3698	7.8248	0.455
23	100	LDR Biased	7.4534	7.9184	0.465
24	100	LDR Biased	7.441	7.9187	0.4777
25	100	LDR Biased	7.3962	7.8778	0.4816
26	3	LDR Unbiased	7.4256	7.9302	0.5046
27	3	LDR Unbiased	7.4578	7.8352	0.3774
28	3	LDR Unbiased	7.4068	8.0002	0.5934
29	3	LDR Unbiased	7.4269	7.9172	0.4903
30	3	LDR Unbiased	7.4283	7.938	0.5097
31	10	LDR Unbiased	7.4839	7.9544	0.4705
32	10	LDR Unbiased	7.4287	7.986	0.5573
33	10	LDR Unbiased	7.46	7.987	0.527
34	10	LDR Unbiased	7.3947	7.9722	0.5775
35	10	LDR Unbiased	7.3709	7.8971	0.5262
36	30	LDR Unbiased	7.4501	8.3717	0.9216
37	30	LDR Unbiased	7.4284	8.3947	0.9663
38	30	LDR Unbiased	7.4033	8.3836	0.9803
39	30	LDR Unbiased	7.441	8.4161	0.9751
40	30	LDR Unbiased	7.4425	8.3922	0.9497
41	50	LDR Unbiased	7.4094	7.8154	0.406
42	50	LDR Unbiased	7.4231	7.8575	0.4344
43	50	LDR Unbiased	7.4337	7.8755	0.4418
44	50	LDR Unbiased	7.368	7.8012	0.4332
45	50	LDR Unbiased	7.4299	7.7961	0.3662
46	100	LDR Unbiased	7.4013	7.8892	0.4879
47	100	LDR Unbiased	7.4131	7.7613	0.3482
48	100	LDR Unbiased	7.4664	7.8521	0.3857
49	100	LDR Unbiased	7.3593	7.7229	0.3636
50	100	LDR Unbiased	7.3869	7.7515	0.3646
60	0	Correlation	7.4132	7.7854	0.3722
61	0	Correlation	7.4782	7.8741	0.3959
62	0	Correlation	7.4111	7.8991	0.488
63	0	Correlation	7.462	7.8295	0.3675
64	0	Correlation	7.414	7.9118	0.4978
65	0	Correlation	7.4756	7.8719	0.3963

Test Statistics (ns)

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	7.4111	7.4424	7.4782	0.032884	7.7854	7.862	7.9118	0.046957	0.3675	0.41962	0.4978	0.058068
3	7.4068	7.4411	7.5195	0.032946	7.7704	7.9082	8.0002	0.06337	0.2509	0.46707	0.5934	0.092533
10	7.3523	7.4106	7.4839	0.047568	7.8103	7.9413	8.0596	0.07076	0.4169	0.53069	0.59	0.0536
30	7.4033	7.4439	7.5107	0.028153	8.3041	8.375	8.4161	0.030363	0.845	0.93109	0.9803	0.047226
50	7.3636	7.4233	7.4876	0.038	7.7961	7.8309	7.8755	0.027052	0.3543	0.40757	0.4461	0.032863
100	7.3593	7.4135	7.4664	0.036998	7.7229	7.8284	7.9187	0.073262	0.3191	0.41484	0.4879	0.064533

Device Test: 24.22 _LEVELS|VOH/SYNC1/4.5//511k//@SYNC_OUT_HIGH



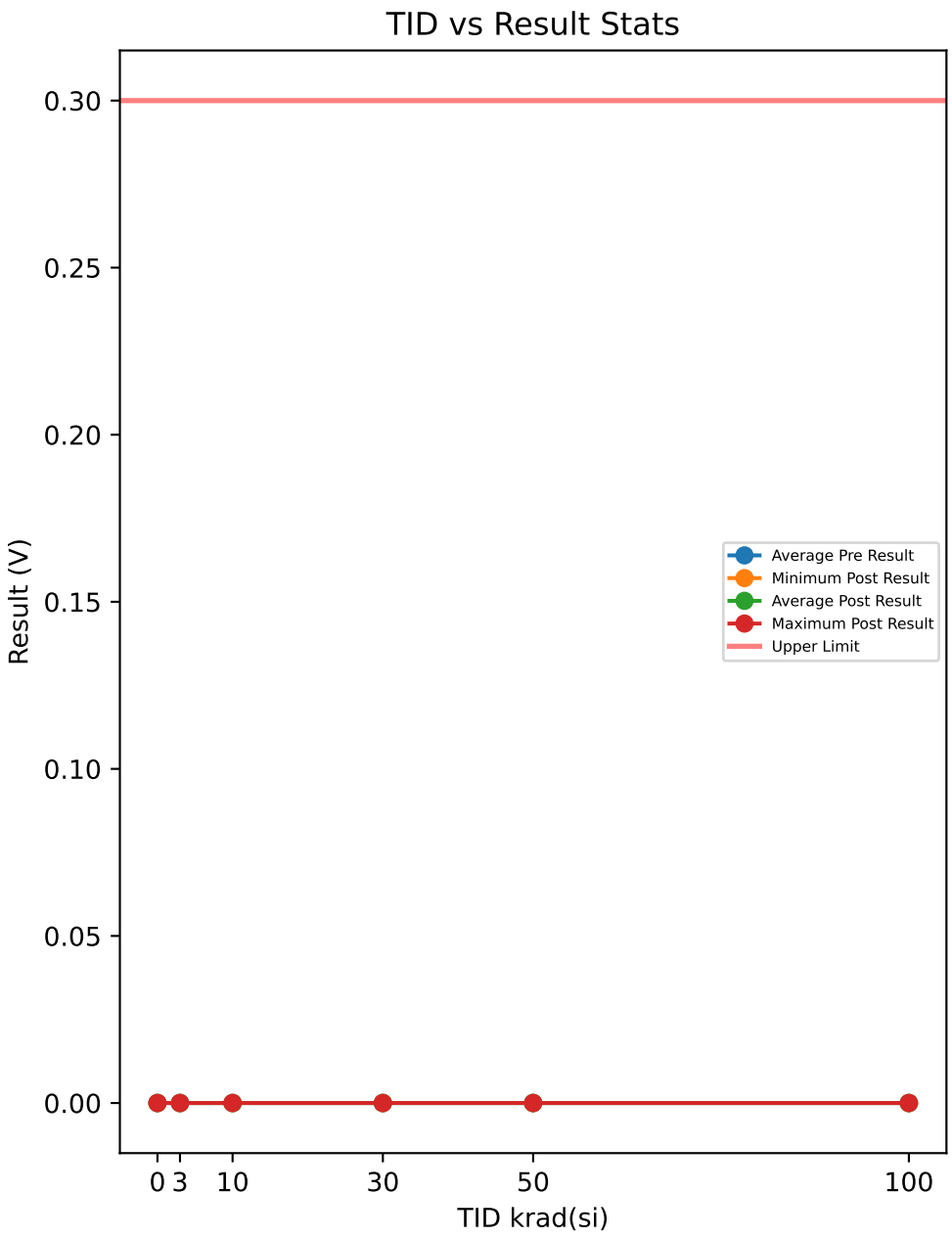
Test Results (Upper Limit = 0.3 (V))

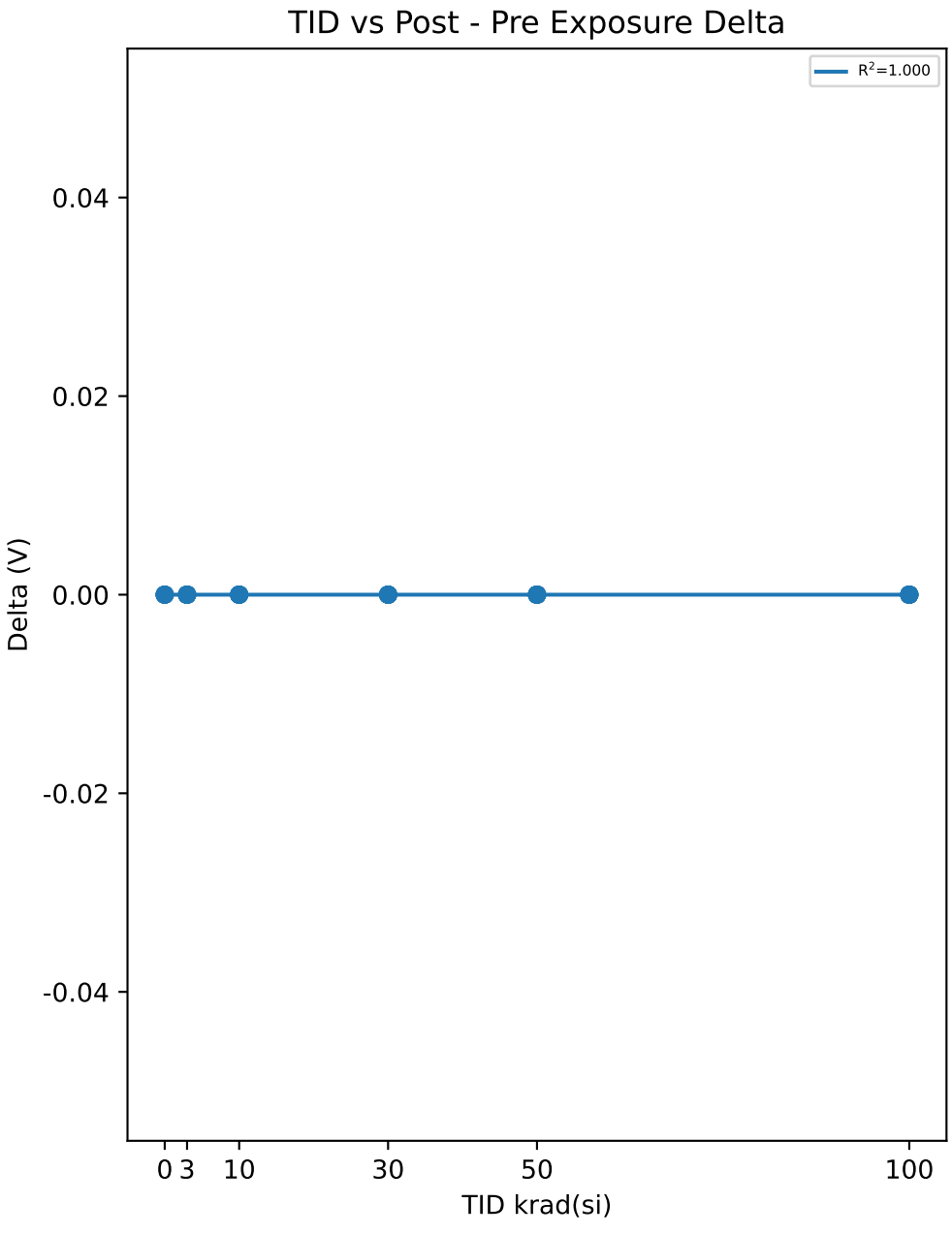
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	LDR Biased	0	0	0
2	3	LDR Biased	0	0	0
3	3	LDR Biased	0	0	0
4	3	LDR Biased	0	0	0
5	3	LDR Biased	0	0	0
6	10	LDR Biased	0	0	0
7	10	LDR Biased	0	0	0
8	10	LDR Biased	0	0	0
9	10	LDR Biased	0	0	0
10	10	LDR Biased	0	0	0
11	30	LDR Biased	0	0	0
12	30	LDR Biased	0	0	0
13	30	LDR Biased	0	0	0
14	30	LDR Biased	0	0	0
15	30	LDR Biased	0	0	0
16	50	LDR Biased	0	0	0
17	50	LDR Biased	0	0	0
18	50	LDR Biased	0	0	0
19	50	LDR Biased	0	0	0
20	50	LDR Biased	0	0	0
21	100	LDR Biased	0	0	0
22	100	LDR Biased	0	0	0
23	100	LDR Biased	0	0	0
24	100	LDR Biased	0	0	0
25	100	LDR Biased	0	0	0
26	3	LDR Unbiased	0	0	0
27	3	LDR Unbiased	0	0	0
28	3	LDR Unbiased	0	0	0
29	3	LDR Unbiased	0	0	0
30	3	LDR Unbiased	0	0	0
31	10	LDR Unbiased	0	0	0
32	10	LDR Unbiased	0	0	0
33	10	LDR Unbiased	0	0	0
34	10	LDR Unbiased	0	0	0
35	10	LDR Unbiased	0	0	0
36	30	LDR Unbiased	0	0	0
37	30	LDR Unbiased	0	0	0
38	30	LDR Unbiased	0	0	0
39	30	LDR Unbiased	0	0	0
40	30	LDR Unbiased	0	0	0
41	50	LDR Unbiased	0	0	0
42	50	LDR Unbiased	0	0	0
43	50	LDR Unbiased	0	0	0
44	50	LDR Unbiased	0	0	0
45	50	LDR Unbiased	0	0	0
46	100	LDR Unbiased	0	0	0
47	100	LDR Unbiased	0	0	0
48	100	LDR Unbiased	0	0	0
49	100	LDR Unbiased	0	0	0
50	100	LDR Unbiased	0	0	0
60	0	Correlation	0	0	0
61	0	Correlation	0	0	0
62	0	Correlation	0	0	0
63	0	Correlation	0	0	0
64	0	Correlation	0	0	0
65	0	Correlation	0	0	0

Test Statistics (V)

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

Device Test: 24.23 _LEVELS|VOH/SYNC2/4.5//511k//@SYNC_OUT_HIGH





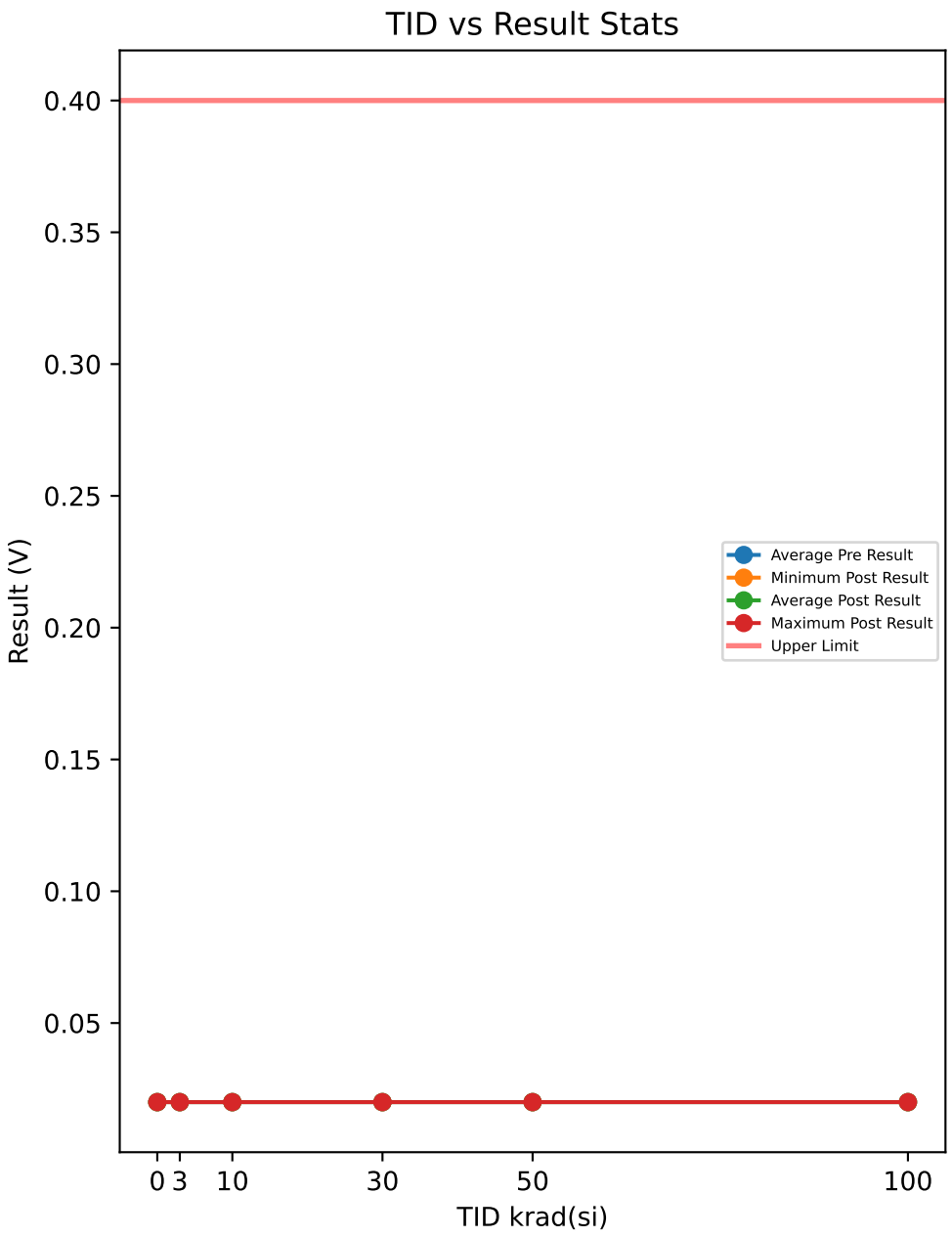
Test Results (Upper Limit = 0.3 (V))

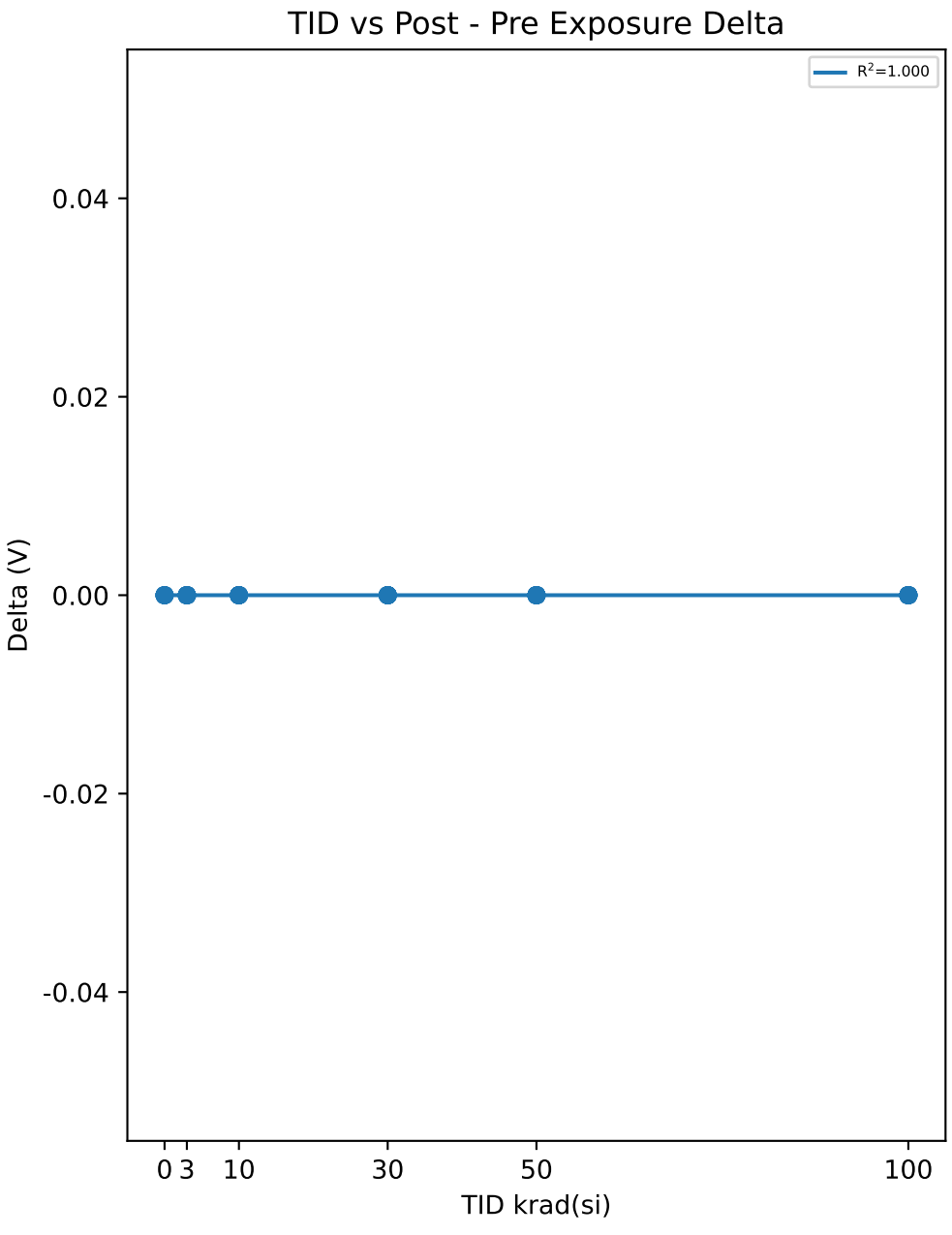
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	LDR Biased	0	0	0
2	3	LDR Biased	0	0	0
3	3	LDR Biased	0	0	0
4	3	LDR Biased	0	0	0
5	3	LDR Biased	0	0	0
6	10	LDR Biased	0	0	0
7	10	LDR Biased	0	0	0
8	10	LDR Biased	0	0	0
9	10	LDR Biased	0	0	0
10	10	LDR Biased	0	0	0
11	30	LDR Biased	0	0	0
12	30	LDR Biased	0	0	0
13	30	LDR Biased	0	0	0
14	30	LDR Biased	0	0	0
15	30	LDR Biased	0	0	0
16	50	LDR Biased	0	0	0
17	50	LDR Biased	0	0	0
18	50	LDR Biased	0	0	0
19	50	LDR Biased	0	0	0
20	50	LDR Biased	0	0	0
21	100	LDR Biased	0	0	0
22	100	LDR Biased	0	0	0
23	100	LDR Biased	0	0	0
24	100	LDR Biased	0	0	0
25	100	LDR Biased	0	0	0
26	3	LDR Unbiased	0	0	0
27	3	LDR Unbiased	0	0	0
28	3	LDR Unbiased	0	0	0
29	3	LDR Unbiased	0	0	0
30	3	LDR Unbiased	0	0	0
31	10	LDR Unbiased	0	0	0
32	10	LDR Unbiased	0	0	0
33	10	LDR Unbiased	0	0	0
34	10	LDR Unbiased	0	0	0
35	10	LDR Unbiased	0	0	0
36	30	LDR Unbiased	0	0	0
37	30	LDR Unbiased	0	0	0
38	30	LDR Unbiased	0	0	0
39	30	LDR Unbiased	0	0	0
40	30	LDR Unbiased	0	0	0
41	50	LDR Unbiased	0	0	0
42	50	LDR Unbiased	0	0	0
43	50	LDR Unbiased	0	0	0
44	50	LDR Unbiased	0	0	0
45	50	LDR Unbiased	0	0	0
46	100	LDR Unbiased	0	0	0
47	100	LDR Unbiased	0	0	0
48	100	LDR Unbiased	0	0	0
49	100	LDR Unbiased	0	0	0
50	100	LDR Unbiased	0	0	0
60	0	Correlation	0	0	0
61	0	Correlation	0	0	0
62	0	Correlation	0	0	0
63	0	Correlation	0	0	0
64	0	Correlation	0	0	0
65	0	Correlation	0	0	0

Test Statistics (V)

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

Device Test: 24.24 _LEVELS|VOL/SYNC1/4.5//511k//@SYNC_OUT_LOW





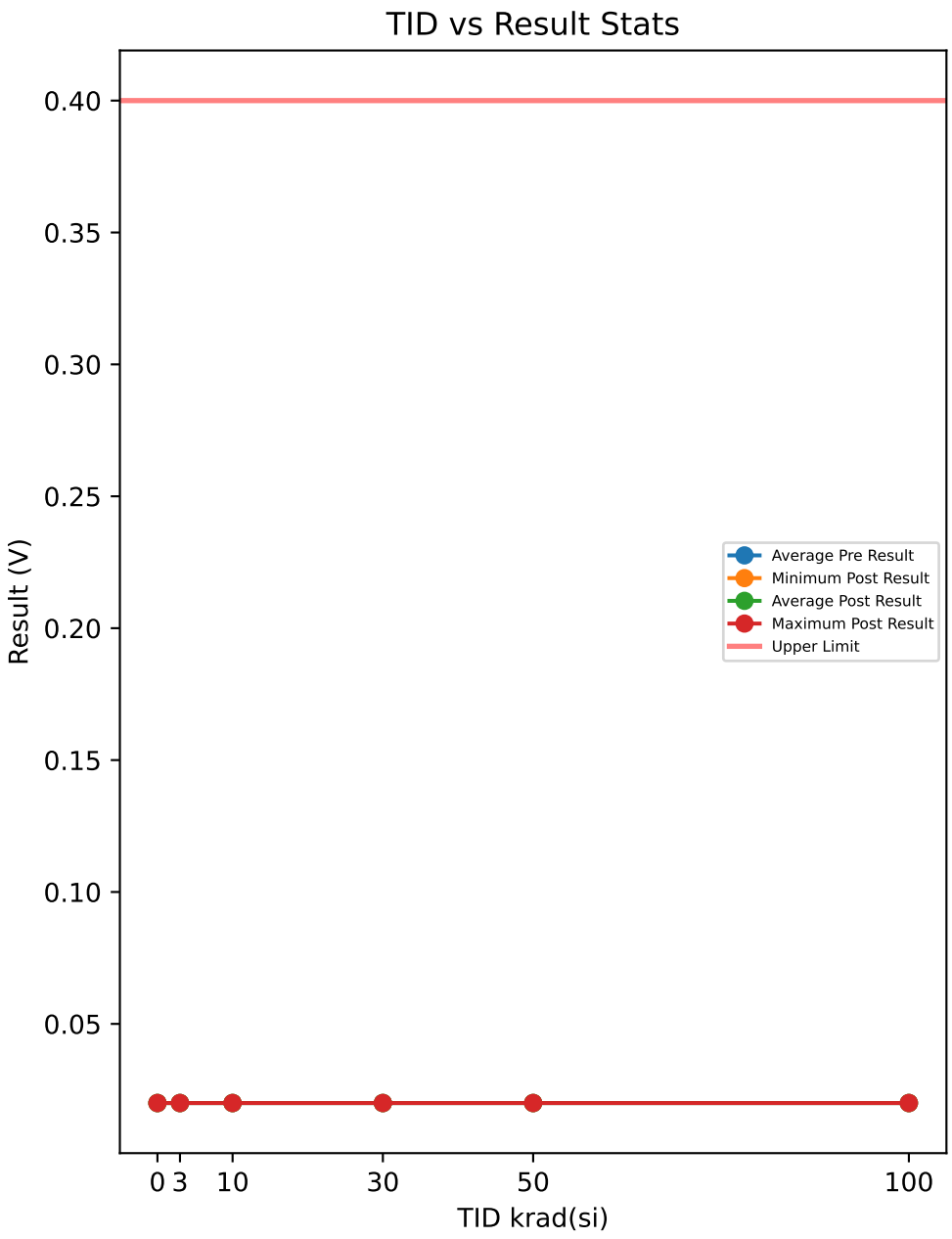
Test Results (Upper Limit = 0.4 (V))

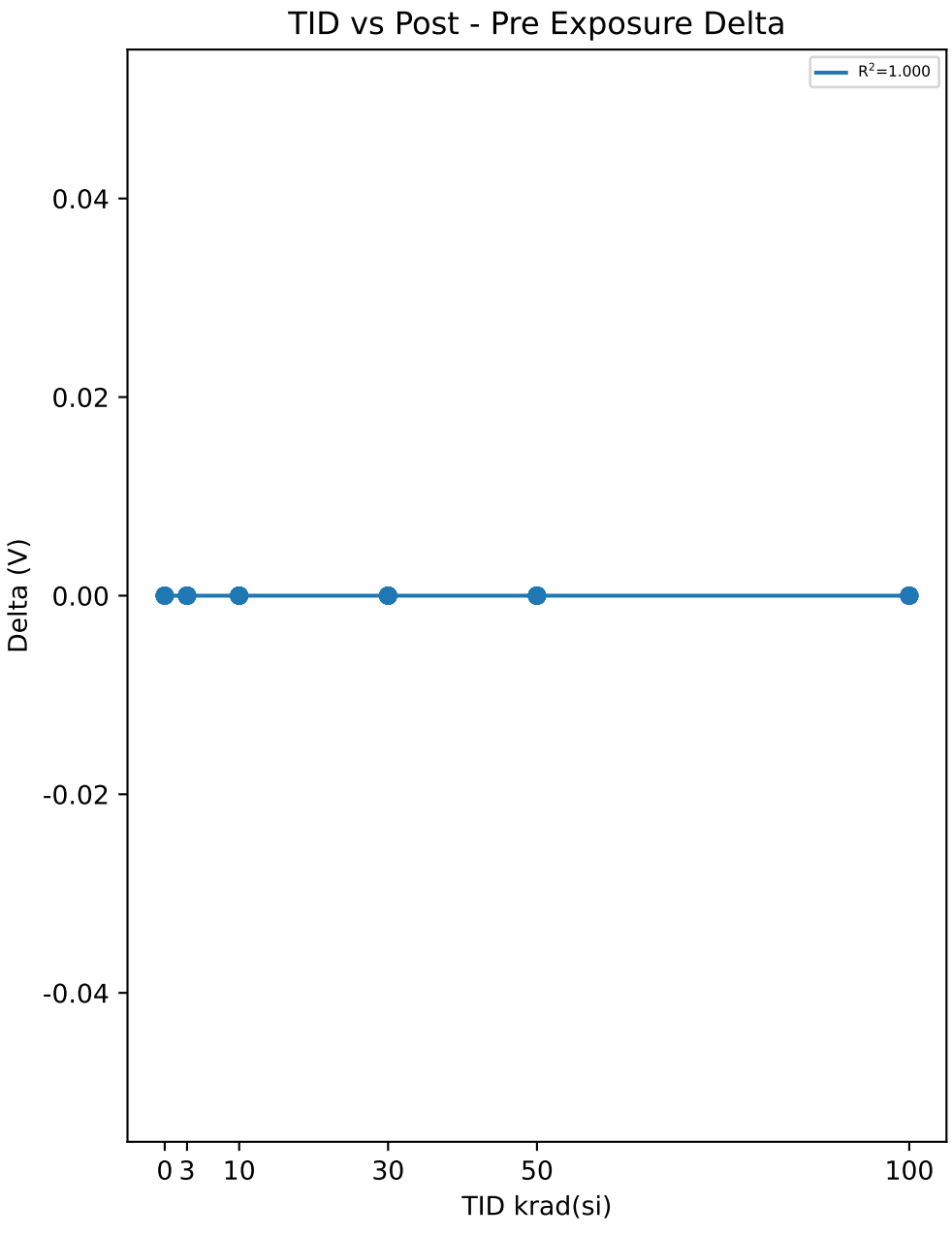
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	LDR Biased	0.02	0.02	0
2	3	LDR Biased	0.02	0.02	0
3	3	LDR Biased	0.02	0.02	0
4	3	LDR Biased	0.02	0.02	0
5	3	LDR Biased	0.02	0.02	0
6	10	LDR Biased	0.02	0.02	0
7	10	LDR Biased	0.02	0.02	0
8	10	LDR Biased	0.02	0.02	0
9	10	LDR Biased	0.02	0.02	0
10	10	LDR Biased	0.02	0.02	0
11	30	LDR Biased	0.02	0.02	0
12	30	LDR Biased	0.02	0.02	0
13	30	LDR Biased	0.02	0.02	0
14	30	LDR Biased	0.02	0.02	0
15	30	LDR Biased	0.02	0.02	0
16	50	LDR Biased	0.02	0.02	0
17	50	LDR Biased	0.02	0.02	0
18	50	LDR Biased	0.02	0.02	0
19	50	LDR Biased	0.02	0.02	0
20	50	LDR Biased	0.02	0.02	0
21	100	LDR Biased	0.02	0.02	0
22	100	LDR Biased	0.02	0.02	0
23	100	LDR Biased	0.02	0.02	0
24	100	LDR Biased	0.02	0.02	0
25	100	LDR Biased	0.02	0.02	0
26	3	LDR Unbiased	0.02	0.02	0
27	3	LDR Unbiased	0.02	0.02	0
28	3	LDR Unbiased	0.02	0.02	0
29	3	LDR Unbiased	0.02	0.02	0
30	3	LDR Unbiased	0.02	0.02	0
31	10	LDR Unbiased	0.02	0.02	0
32	10	LDR Unbiased	0.02	0.02	0
33	10	LDR Unbiased	0.02	0.02	0
34	10	LDR Unbiased	0.02	0.02	0
35	10	LDR Unbiased	0.02	0.02	0
36	30	LDR Unbiased	0.02	0.02	0
37	30	LDR Unbiased	0.02	0.02	0
38	30	LDR Unbiased	0.02	0.02	0
39	30	LDR Unbiased	0.02	0.02	0
40	30	LDR Unbiased	0.02	0.02	0
41	50	LDR Unbiased	0.02	0.02	0
42	50	LDR Unbiased	0.02	0.02	0
43	50	LDR Unbiased	0.02	0.02	0
44	50	LDR Unbiased	0.02	0.02	0
45	50	LDR Unbiased	0.02	0.02	0
46	100	LDR Unbiased	0.02	0.02	0
47	100	LDR Unbiased	0.02	0.02	0
48	100	LDR Unbiased	0.02	0.02	0
49	100	LDR Unbiased	0.02	0.02	0
50	100	LDR Unbiased	0.02	0.02	0
60	0	Correlation	0.02	0.02	0
61	0	Correlation	0.02	0.02	0
62	0	Correlation	0.02	0.02	0
63	0	Correlation	0.02	0.02	0
64	0	Correlation	0.02	0.02	0
65	0	Correlation	0.02	0.02	0

Test Statistics (V)

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	0.02	0.02	0.02	0	0.02	0.02	0.02	0	0	0	0	0
3	0.02	0.02	0.02	0	0.02	0.02	0.02	0	0	0	0	0
10	0.02	0.02	0.02	0	0.02	0.02	0.02	0	0	0	0	0
30	0.02	0.02	0.02	0	0.02	0.02	0.02	0	0	0	0	0
50	0.02	0.02	0.02	0	0.02	0.02	0.02	0	0	0	0	0
100	0.02	0.02	0.02	0	0.02	0.02	0.02	0	0	0	0	0

Device Test: 24.25 _LEVELS|VOL/SYNC2/4.5//511k//@SYNC_OUT_LOW





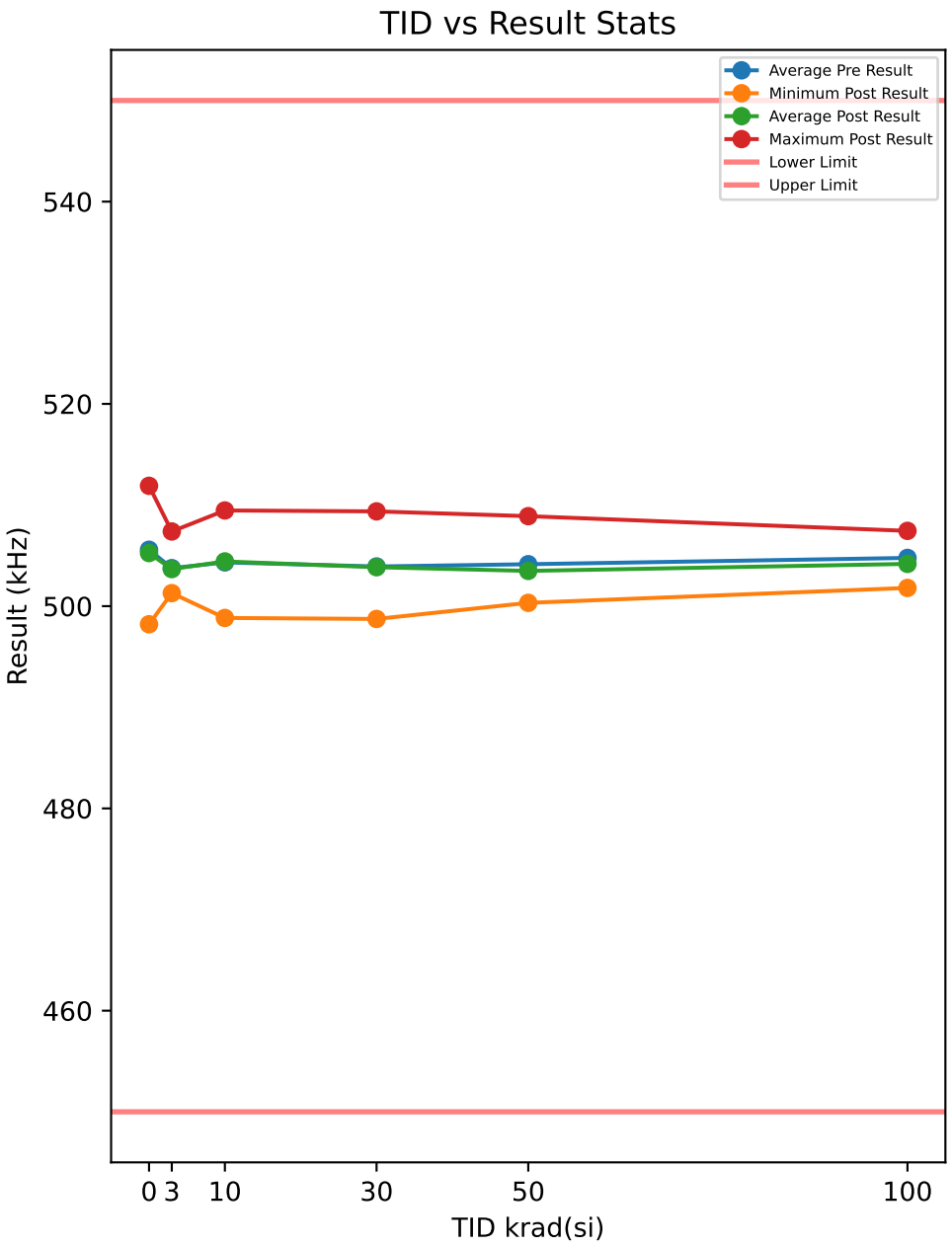
Test Results (Upper Limit = 0.4 (V))

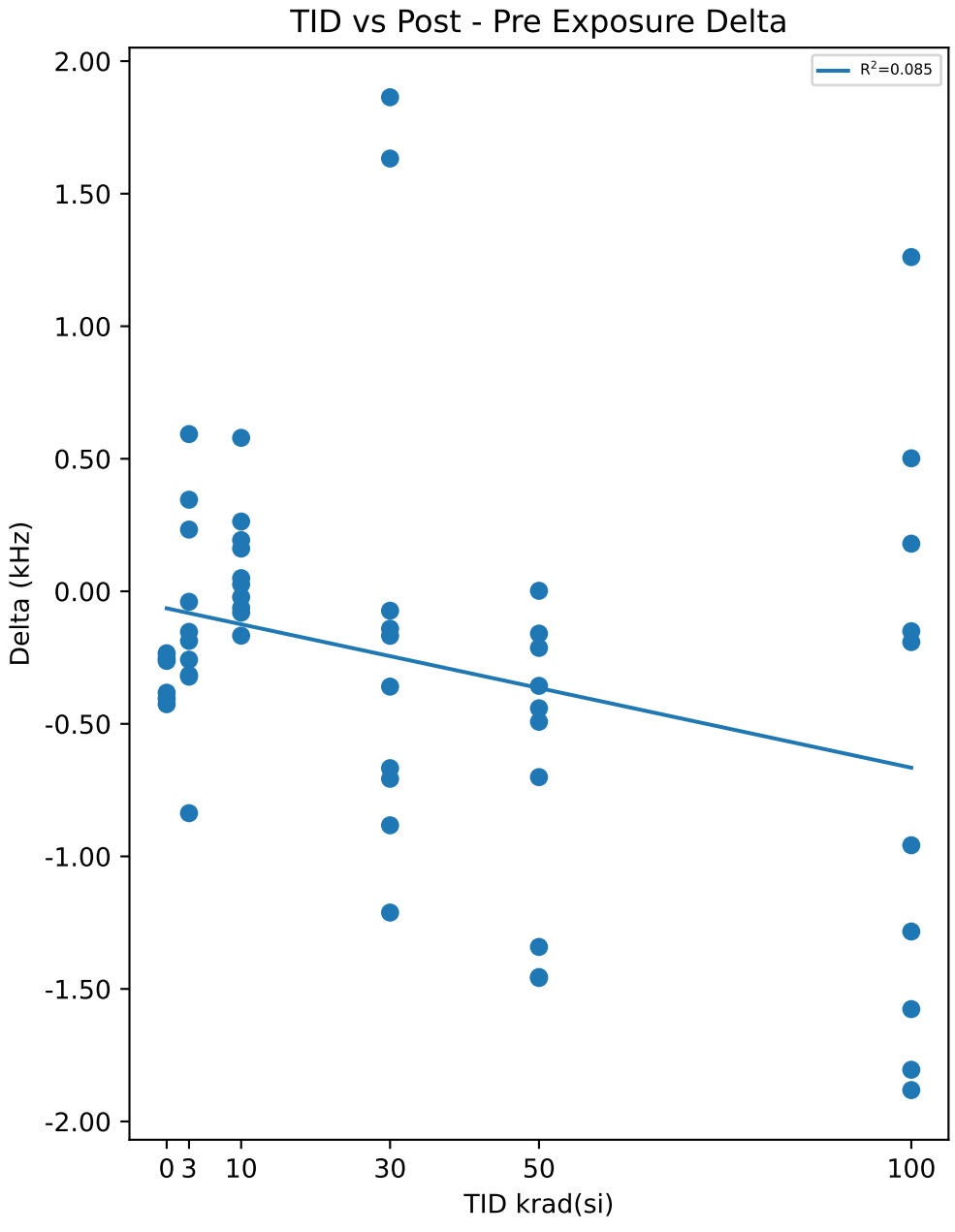
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	LDR Biased	0.02	0.02	0
2	3	LDR Biased	0.02	0.02	0
3	3	LDR Biased	0.02	0.02	0
4	3	LDR Biased	0.02	0.02	0
5	3	LDR Biased	0.02	0.02	0
6	10	LDR Biased	0.02	0.02	0
7	10	LDR Biased	0.02	0.02	0
8	10	LDR Biased	0.02	0.02	0
9	10	LDR Biased	0.02	0.02	0
10	10	LDR Biased	0.02	0.02	0
11	30	LDR Biased	0.02	0.02	0
12	30	LDR Biased	0.02	0.02	0
13	30	LDR Biased	0.02	0.02	0
14	30	LDR Biased	0.02	0.02	0
15	30	LDR Biased	0.02	0.02	0
16	50	LDR Biased	0.02	0.02	0
17	50	LDR Biased	0.02	0.02	0
18	50	LDR Biased	0.02	0.02	0
19	50	LDR Biased	0.02	0.02	0
20	50	LDR Biased	0.02	0.02	0
21	100	LDR Biased	0.02	0.02	0
22	100	LDR Biased	0.02	0.02	0
23	100	LDR Biased	0.02	0.02	0
24	100	LDR Biased	0.02	0.02	0
25	100	LDR Biased	0.02	0.02	0
26	3	LDR Unbiased	0.02	0.02	0
27	3	LDR Unbiased	0.02	0.02	0
28	3	LDR Unbiased	0.02	0.02	0
29	3	LDR Unbiased	0.02	0.02	0
30	3	LDR Unbiased	0.02	0.02	0
31	10	LDR Unbiased	0.02	0.02	0
32	10	LDR Unbiased	0.02	0.02	0
33	10	LDR Unbiased	0.02	0.02	0
34	10	LDR Unbiased	0.02	0.02	0
35	10	LDR Unbiased	0.02	0.02	0
36	30	LDR Unbiased	0.02	0.02	0
37	30	LDR Unbiased	0.02	0.02	0
38	30	LDR Unbiased	0.02	0.02	0
39	30	LDR Unbiased	0.02	0.02	0
40	30	LDR Unbiased	0.02	0.02	0
41	50	LDR Unbiased	0.02	0.02	0
42	50	LDR Unbiased	0.02	0.02	0
43	50	LDR Unbiased	0.02	0.02	0
44	50	LDR Unbiased	0.02	0.02	0
45	50	LDR Unbiased	0.02	0.02	0
46	100	LDR Unbiased	0.02	0.02	0
47	100	LDR Unbiased	0.02	0.02	0
48	100	LDR Unbiased	0.02	0.02	0
49	100	LDR Unbiased	0.02	0.02	0
50	100	LDR Unbiased	0.02	0.02	0
60	0	Correlation	0.02	0.02	0
61	0	Correlation	0.02	0.02	0
62	0	Correlation	0.02	0.02	0
63	0	Correlation	0.02	0.02	0
64	0	Correlation	0.02	0.02	0
65	0	Correlation	0.02	0.02	0

Test Statistics (V)

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	0.02	0.02	0.02	0	0.02	0.02	0.02	0	0	0	0	0
3	0.02	0.02	0.02	0	0.02	0.02	0.02	0	0	0	0	0
10	0.02	0.02	0.02	0	0.02	0.02	0.02	0	0	0	0	0
30	0.02	0.02	0.02	0	0.02	0.02	0.02	0	0	0	0	0
50	0.02	0.02	0.02	0	0.02	0.02	0.02	0	0	0	0	0
100	0.02	0.02	0.02	0	0.02	0.02	0.02	0	0	0	0	0

Device Test: 24.26 _FREQ|500kHz/SYNC1/4.5//90.9k//@EXT_SET_FREQ_500KHZ_4V





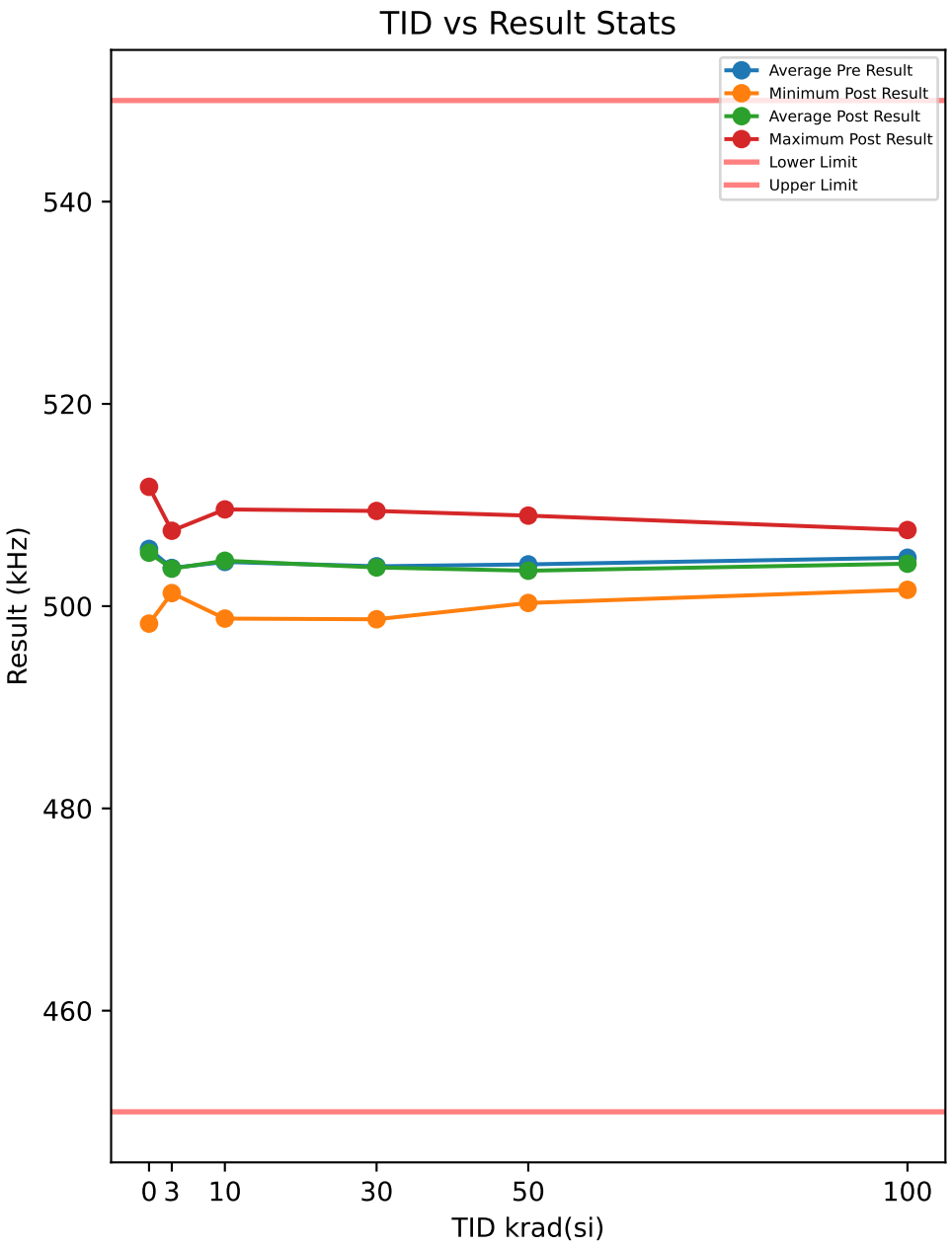
Test Results (Lower Limit = 450.0, Upper Limit = 550.0 (kHz))

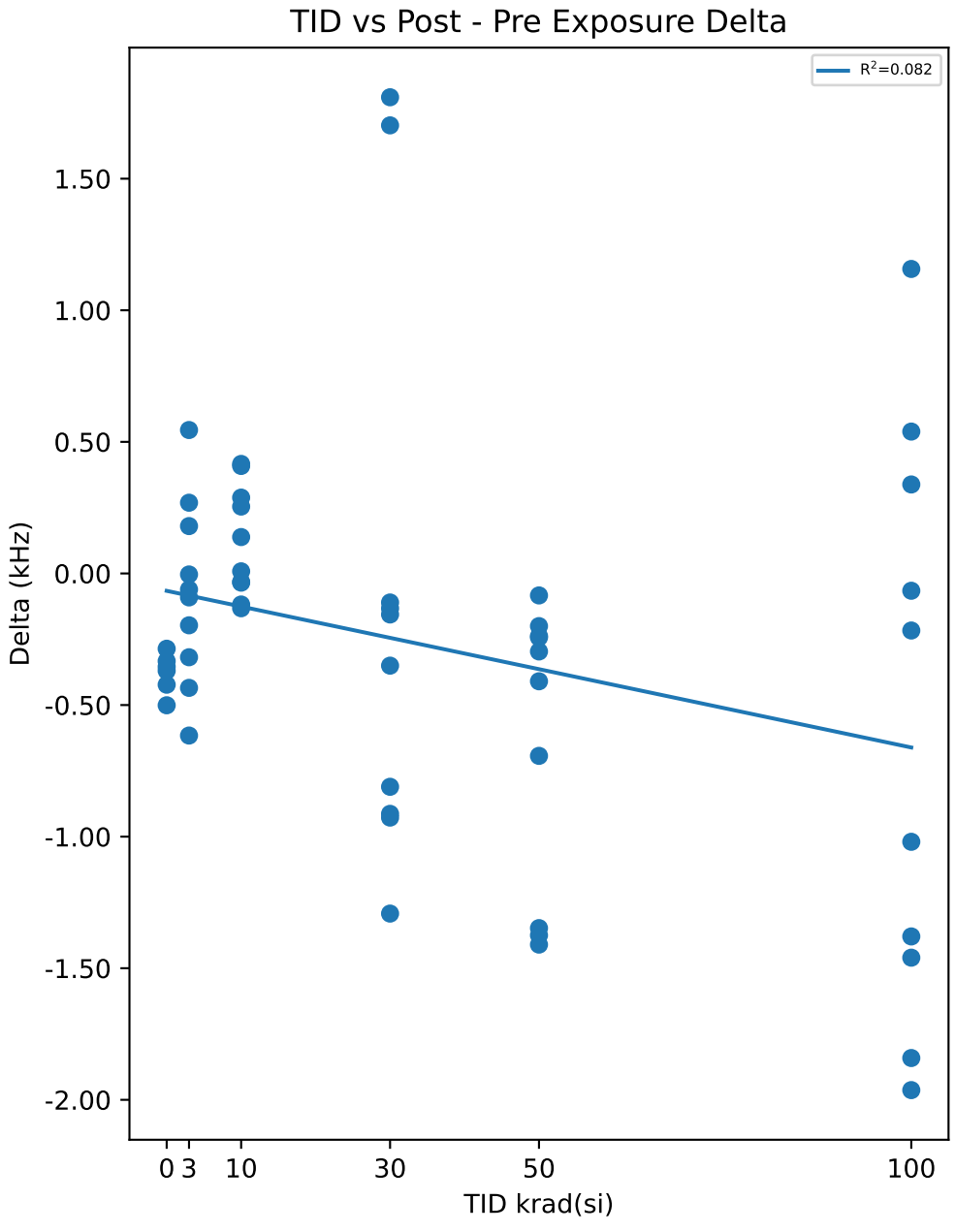
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	LDR Biased	501.01	501.36	0.3455
2	3	LDR Biased	503.34	503.57	0.2328
3	3	LDR Biased	506.79	507.38	0.5931
4	3	LDR Biased	504.77	504.58	-0.187
5	3	LDR Biased	502.97	502.65	-0.3158
6	10	LDR Biased	508.07	508.12	0.0495
7	10	LDR Biased	498.25	498.83	0.5789
8	10	LDR Biased	504.07	504.26	0.1932
9	10	LDR Biased	500.43	500.59	0.1613
10	10	LDR Biased	503.77	504.03	0.2633
11	30	LDR Biased	500.64	502.27	1.6326
12	30	LDR Biased	507.51	509.37	1.8638
13	30	LDR Biased	506.33	506.26	-0.0732
14	30	LDR Biased	504.88	504.52	-0.3596
15	30	LDR Biased	500.25	499.59	-0.6673
16	50	LDR Biased	504.13	503.68	-0.4413
17	50	LDR Biased	500.43	500.43	0.0019
18	50	LDR Biased	505.75	505.26	-0.4922
19	50	LDR Biased	500.68	500.33	-0.3567
20	50	LDR Biased	506.43	506.27	-0.1596
21	100	LDR Biased	504.04	505.3	1.2609
22	100	LDR Biased	503.09	501.8	-1.2834
23	100	LDR Biased	507.6	507.44	-0.1506
24	100	LDR Biased	502.79	502.97	0.1796
25	100	LDR Biased	506.7	505.74	-0.958
26	3	LDR Unbiased	501.54	501.5	-0.0396
27	3	LDR Unbiased	505.19	504.86	-0.3221
28	3	LDR Unbiased	503.82	503.66	-0.153
29	3	LDR Unbiased	506.04	505.78	-0.2579
30	3	LDR Unbiased	502.13	501.29	-0.837
31	10	LDR Unbiased	508.27	508.1	-0.1674
32	10	LDR Unbiased	504.22	504.24	0.0262
33	10	LDR Unbiased	509.52	509.46	-0.0625
34	10	LDR Unbiased	505.82	505.79	-0.0218
35	10	LDR Unbiased	500.87	500.79	-0.0804
36	30	LDR Unbiased	506.41	506.27	-0.1412
37	30	LDR Unbiased	504.71	503.83	-0.8828
38	30	LDR Unbiased	501.42	501.25	-0.1679
39	30	LDR Unbiased	499.95	498.74	-1.212
40	30	LDR Unbiased	507.13	506.42	-0.7073
41	50	LDR Unbiased	504.4	502.94	-1.4552
42	50	LDR Unbiased	502.01	500.67	-1.3416
43	50	LDR Unbiased	505.35	503.89	-1.4587
44	50	LDR Unbiased	509.11	508.9	-0.2135
45	50	LDR Unbiased	503.18	502.48	-0.701
46	100	LDR Unbiased	505.27	505.77	0.5017
47	100	LDR Unbiased	503.73	501.93	-1.8049
48	100	LDR Unbiased	505.36	503.48	-1.8817
49	100	LDR Unbiased	502.75	502.56	-0.1916
50	100	LDR Unbiased	506.39	504.81	-1.5762
60	0	Correlation	505.74	505.5	-0.2338
61	0	Correlation	507.52	507.13	-0.3825
62	0	Correlation	498.63	498.21	-0.4259
63	0	Correlation	503.71	503.44	-0.2626
64	0	Correlation	512.15	511.9	-0.2518
65	0	Correlation	505.71	505.31	-0.4051

Test Statistics (kHz)

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	498.63	505.58	512.15	4.4431	498.21	505.25	511.9	4.4869	-0.4259	-0.32695	-0.2338	0.086544
3	501.01	503.76	506.79	1.9257	501.29	503.66	507.38	2.0348	-0.837	-0.0941	0.5931	0.40377
10	498.25	504.33	509.52	3.6988	498.83	504.42	509.46	3.5552	-0.1674	0.09403	0.5789	0.21638
30	499.95	503.92	507.51	3.0365	498.74	503.85	509.37	3.3796	-1.212	-0.07149	1.8638	1.0255
50	500.43	504.15	509.11	2.6923	500.33	503.49	508.9	2.7673	-1.4587	-0.66179	0.0019	0.55701
100	502.75	504.77	507.6	1.7442	501.8	504.18	507.44	1.9036	-1.8817	-0.59042	1.2609	1.0695

Device Test: 24.27 _FREQ|500kHz/SYNC2/4.5//90.9k//@EXT_SET_FREQ_500KHZ_4V





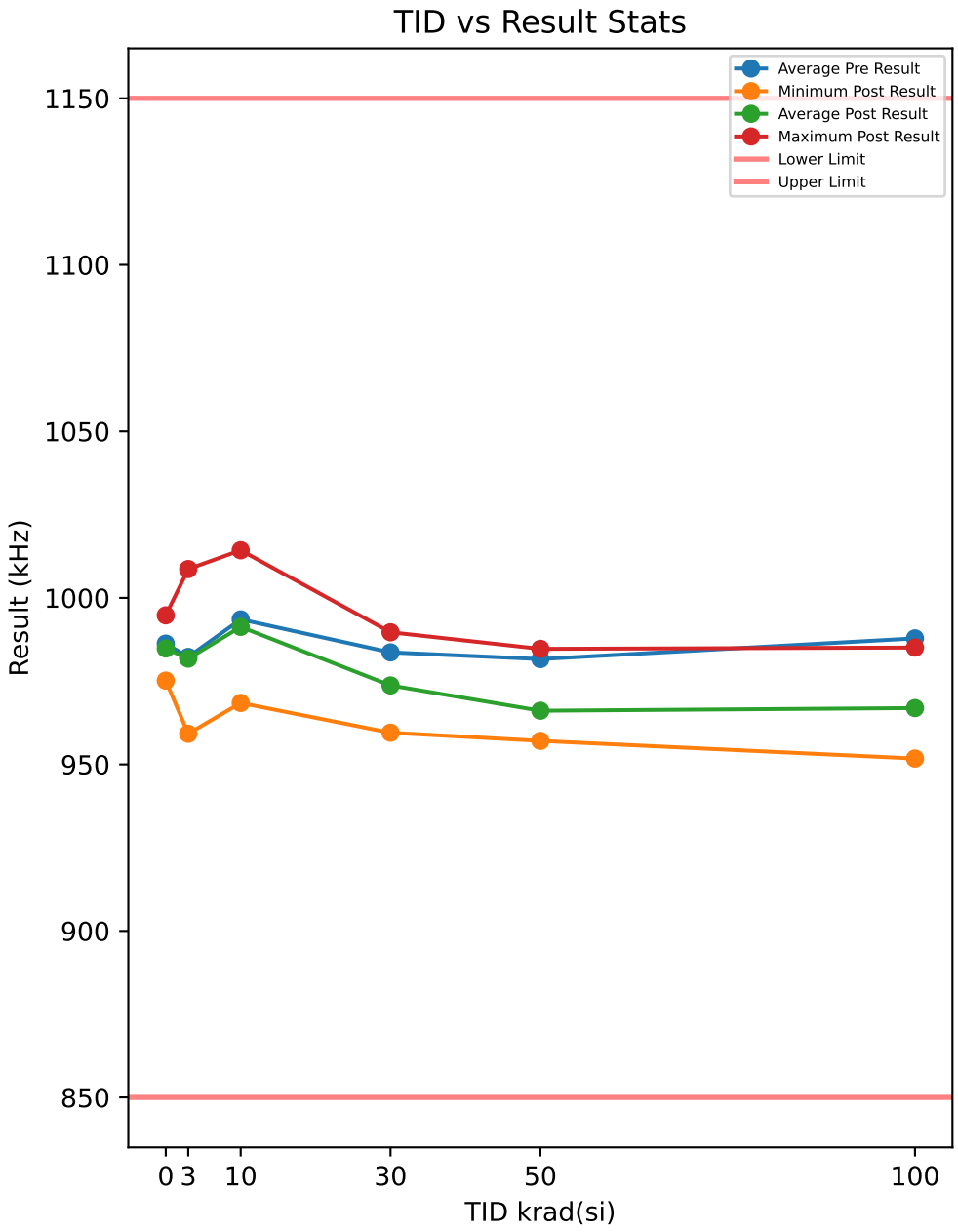
Test Results (Lower Limit = 450.0, Upper Limit = 550.0 (kHz))

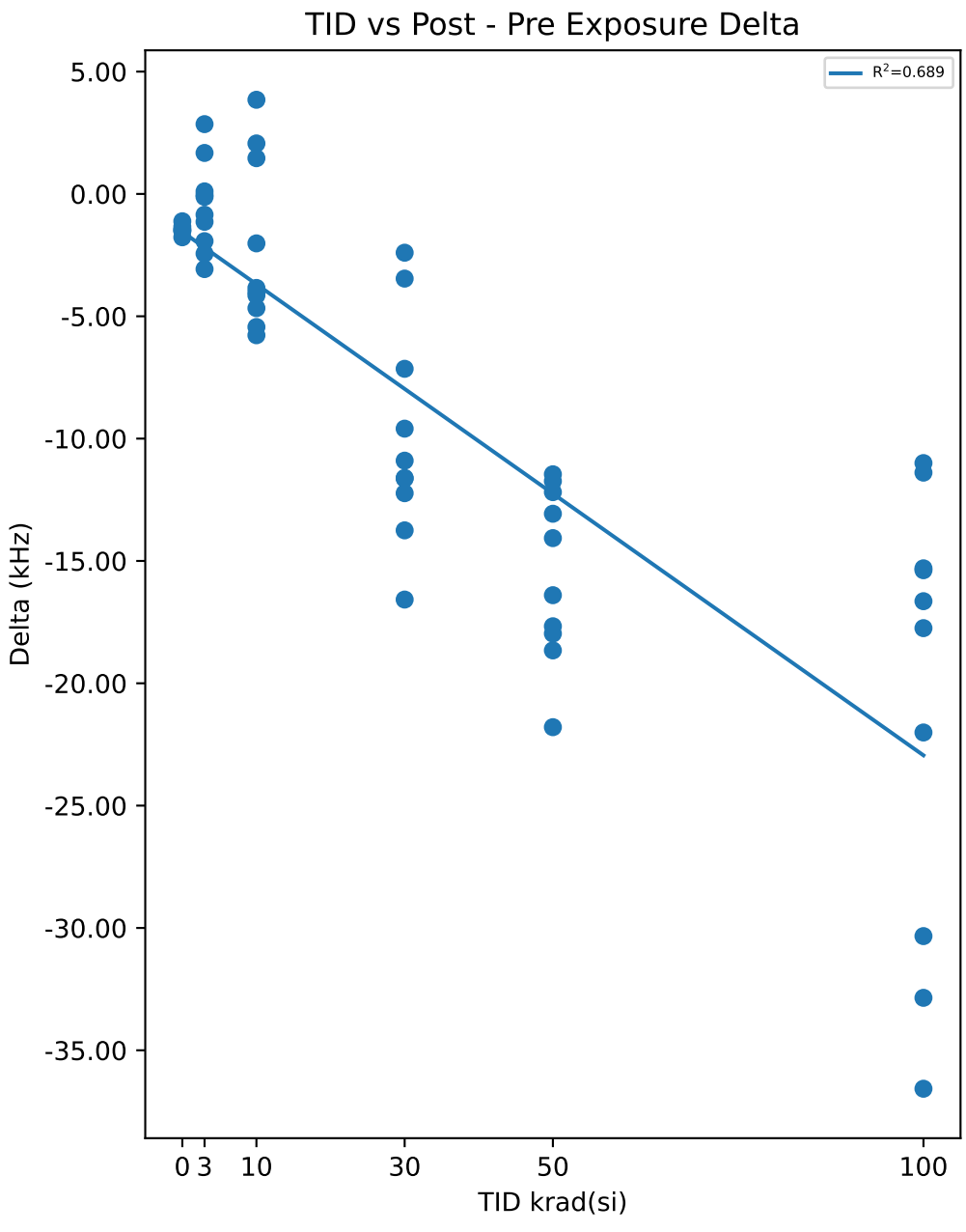
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	LDR Biased	501.02	501.29	0.2688
2	3	LDR Biased	503.37	503.55	0.18
3	3	LDR Biased	506.91	507.45	0.545
4	3	LDR Biased	504.74	504.73	-0.0038
5	3	LDR Biased	502.97	502.65	-0.3184
6	10	LDR Biased	508.07	508.03	-0.0349
7	10	LDR Biased	498.52	498.77	0.2542
8	10	LDR Biased	504.04	504.44	0.4085
9	10	LDR Biased	500.36	500.78	0.4162
10	10	LDR Biased	503.76	504.05	0.2882
11	30	LDR Biased	500.52	502.22	1.7026
12	30	LDR Biased	507.6	509.41	1.8094
13	30	LDR Biased	506.35	506.24	-0.1103
14	30	LDR Biased	504.82	504.47	-0.3503
15	30	LDR Biased	500.4	499.49	-0.9134
16	50	LDR Biased	503.98	503.68	-0.2964
17	50	LDR Biased	500.44	500.35	-0.0835
18	50	LDR Biased	505.78	505.37	-0.4097
19	50	LDR Biased	500.56	500.31	-0.243
20	50	LDR Biased	506.46	506.22	-0.2378
21	100	LDR Biased	504	505.15	1.157
22	100	LDR Biased	503.07	501.61	-1.4599
23	100	LDR Biased	507.59	507.53	-0.0657
24	100	LDR Biased	502.82	503.16	0.3381
25	100	LDR Biased	506.9	505.88	-1.0196
26	3	LDR Unbiased	501.62	501.56	-0.0608
27	3	LDR Unbiased	505.28	504.84	-0.4347
28	3	LDR Unbiased	503.78	503.69	-0.091
29	3	LDR Unbiased	505.99	505.79	-0.197
30	3	LDR Unbiased	502.11	501.49	-0.6159
31	10	LDR Unbiased	508.3	508.17	-0.1322
32	10	LDR Unbiased	504.26	504.4	0.1383
33	10	LDR Unbiased	509.56	509.57	0.0081
34	10	LDR Unbiased	505.86	505.83	-0.0318
35	10	LDR Unbiased	501	500.88	-0.118
36	30	LDR Unbiased	506.4	506.24	-0.1559
37	30	LDR Unbiased	504.7	503.77	-0.9276
38	30	LDR Unbiased	501.44	501.31	-0.1327
39	30	LDR Unbiased	500	498.7	-1.2924
40	30	LDR Unbiased	507.2	506.39	-0.8106
41	50	LDR Unbiased	504.3	502.96	-1.3476
42	50	LDR Unbiased	502.15	500.74	-1.4102
43	50	LDR Unbiased	505.29	503.91	-1.3749
44	50	LDR Unbiased	509.15	508.95	-0.2001
45	50	LDR Unbiased	503.22	502.52	-0.6931
46	100	LDR Unbiased	505.3	505.84	0.5391
47	100	LDR Unbiased	503.8	501.96	-1.8412
48	100	LDR Unbiased	505.4	503.44	-1.9631
49	100	LDR Unbiased	502.73	502.51	-0.2168
50	100	LDR Unbiased	506.29	504.91	-1.3792
60	0	Correlation	505.87	505.5	-0.3698
61	0	Correlation	507.54	507.25	-0.286
62	0	Correlation	498.63	498.27	-0.3546
63	0	Correlation	503.87	503.44	-0.4227
64	0	Correlation	512.3	511.8	-0.5009
65	0	Correlation	505.77	505.44	-0.3329

Test Statistics (kHz)

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	498.63	505.66	512.3	4.4795	498.27	505.28	511.8	4.4479	-0.5009	-0.37782	-0.286	0.07512
3	501.02	503.78	506.91	1.936	501.29	503.7	507.45	2.0342	-0.6159	-0.07278	0.545	0.34467
10	498.52	504.37	509.56	3.658	498.77	504.49	509.57	3.5488	-0.1322	0.11966	0.4162	0.21013
30	500	503.94	507.6	3.0423	498.7	503.82	509.41	3.3968	-1.2924	-0.11812	1.8094	1.0663
50	500.44	504.13	509.15	2.7065	500.31	503.5	508.95	2.7842	-1.4102	-0.62963	-0.0835	0.54051
100	502.73	504.79	507.59	1.7595	501.61	504.2	507.53	1.9498	-1.9631	-0.59113	1.157	1.0861

Device Test: 24.28 _FREQ|1MHz/SYNC1/4.5//34.8k//@EXT_SET_FREQ_1000KHZ_4V





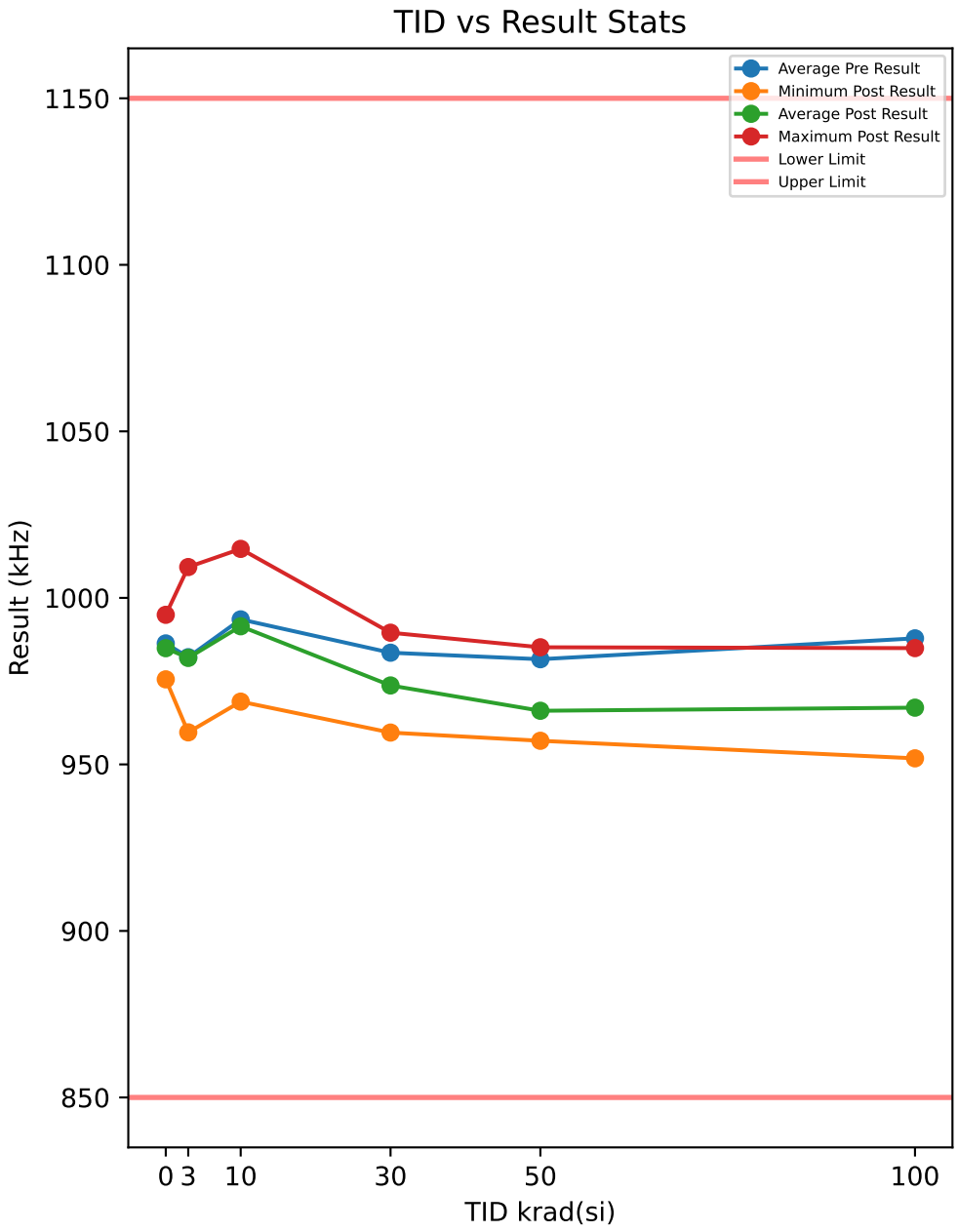
Test Results (Lower Limit = 850.0, Upper Limit = 1150.0 (kHz))

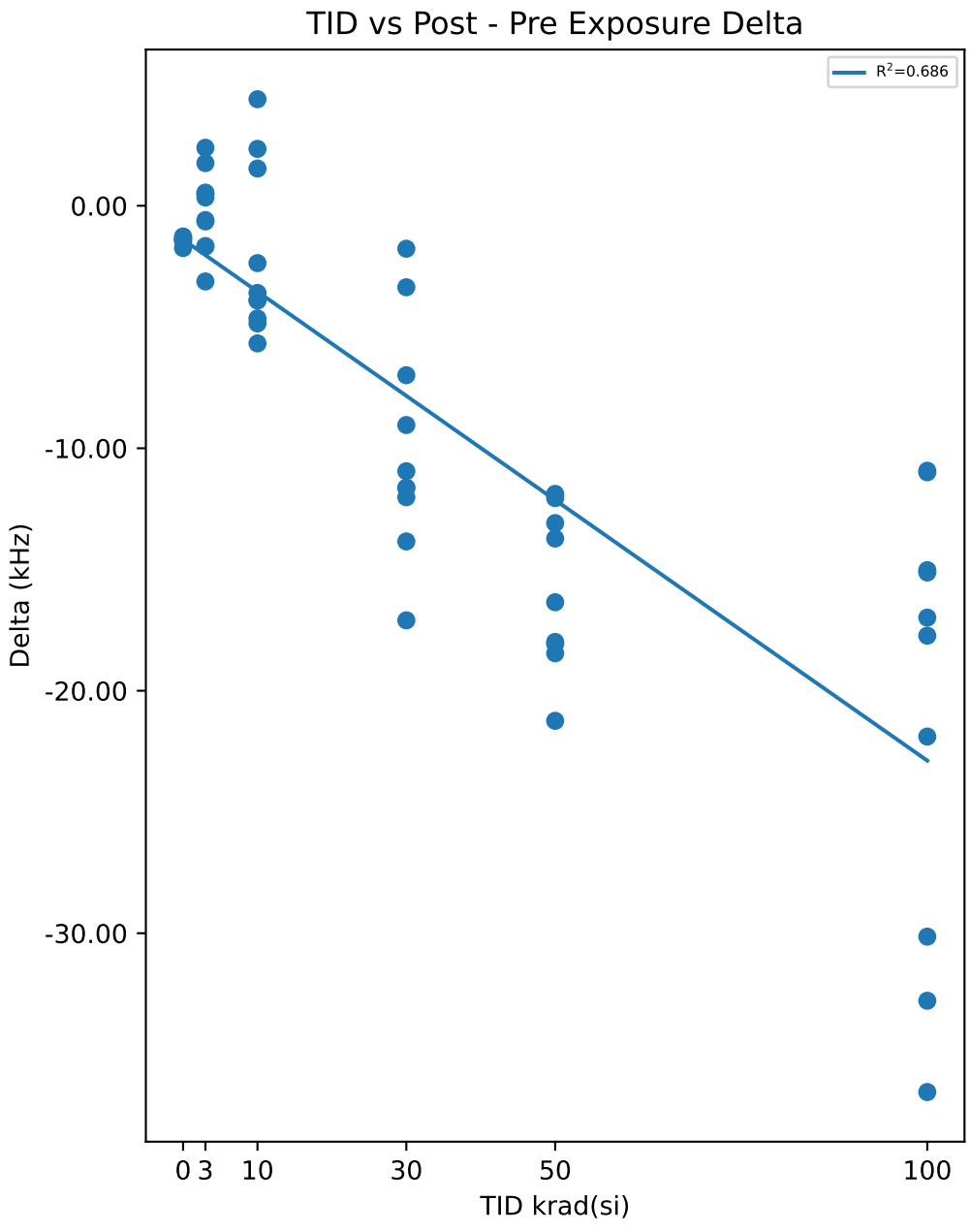
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	LDR Biased	959.32	959.2	-0.1202
2	3	LDR Biased	1003.7	1006.5	2.8529
3	3	LDR Biased	1002.5	1004.2	1.6753
4	3	LDR Biased	991.72	991.68	-0.0403
5	3	LDR Biased	972.88	972.99	0.1053
6	10	LDR Biased	1004.1	999.43	-4.6677
7	10	LDR Biased	992.65	996.5	3.8489
8	10	LDR Biased	1012.2	1014.3	2.0641
9	10	LDR Biased	966.99	968.45	1.4607
10	10	LDR Biased	991.64	987.5	-4.1444
11	30	LDR Biased	981.98	979.58	-2.4018
12	30	LDR Biased	970.68	967.22	-3.4604
13	30	LDR Biased	973.76	966.61	-7.1468
14	30	LDR Biased	1001.3	989.67	-11.607
15	30	LDR Biased	976.1	965.2	-10.901
16	50	LDR Biased	1003.4	984.7	-18.656
17	50	LDR Biased	989.55	971.58	-17.968
18	50	LDR Biased	974.6	963.14	-11.458
19	50	LDR Biased	979.91	963.51	-16.4
20	50	LDR Biased	972.14	959.96	-12.188
21	100	LDR Biased	986.53	971.15	-15.379
22	100	LDR Biased	967.52	956.13	-11.391
23	100	LDR Biased	1017.9	985.09	-32.856
24	100	LDR Biased	992.56	975.92	-16.645
25	100	LDR Biased	974.75	963.75	-11
26	3	LDR Unbiased	962.7	961.85	-0.8491
27	3	LDR Unbiased	971.9	969.97	-1.9296
28	3	LDR Unbiased	1011.1	1008.7	-2.4394
29	3	LDR Unbiased	977.07	975.93	-1.1391
30	3	LDR Unbiased	969.77	966.7	-3.0709
31	10	LDR Unbiased	1014.7	1010.7	-4.0089
32	10	LDR Unbiased	987.58	985.56	-2.0205
33	10	LDR Unbiased	984.57	980.73	-3.8419
34	10	LDR Unbiased	988.05	982.61	-5.4385
35	10	LDR Unbiased	992.95	987.17	-5.7746
36	30	LDR Unbiased	977.22	967.62	-9.5931
37	30	LDR Unbiased	988.05	971.47	-16.579
38	30	LDR Unbiased	998.08	986.44	-11.633
39	30	LDR Unbiased	971.75	959.52	-12.231
40	30	LDR Unbiased	997.53	983.78	-13.75
41	50	LDR Unbiased	990.66	968.87	-21.794
42	50	LDR Unbiased	979.86	965.79	-14.067
43	50	LDR Unbiased	983.09	965.42	-17.67
44	50	LDR Unbiased	972.88	961.14	-11.739
45	50	LDR Unbiased	970.13	957.06	-13.071
46	100	LDR Unbiased	1010.6	974	-36.571
47	100	LDR Unbiased	986.98	964.97	-22.011
48	100	LDR Unbiased	997.49	967.16	-30.333
49	100	LDR Unbiased	976.94	959.2	-17.747
50	100	LDR Unbiased	967.06	951.76	-15.302
60	0	Correlation	979.33	978.21	-1.1168
61	0	Correlation	981.77	980.28	-1.4861
62	0	Correlation	976.5	975.16	-1.3419
63	0	Correlation	995.11	993.33	-1.7711
64	0	Correlation	996.21	994.75	-1.4563
65	0	Correlation	988.65	987.13	-1.5179

Test Statistics (kHz)

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	976.5	986.26	996.21	8.3235	975.16	984.81	994.75	8.1744	-1.7711	-1.4484	-1.1168	0.21529
3	959.32	982.26	1011.1	18.487	959.2	981.77	1008.7	19.205	-3.0709	-0.49551	2.8529	1.8148
10	966.99	993.54	1014.7	13.999	968.45	991.29	1014.3	14.028	-5.7746	-2.2523	3.8489	3.4526
30	970.68	983.64	1001.3	11.737	959.52	973.71	989.67	10.334	-16.579	-9.9302	-2.4018	4.4363
50	970.13	981.62	1003.4	10.397	957.06	966.12	984.7	7.7729	-21.794	-15.501	-11.458	3.5054
100	967.06	987.83	1017.9	17.242	951.76	966.91	985.09	9.9937	-36.571	-20.923	-11	9.1715

Device Test: 24.29 _FREQ|1MHz/SYNC2/4.5//34.8k//@EXT_SET_FREQ_1000KHZ_4V





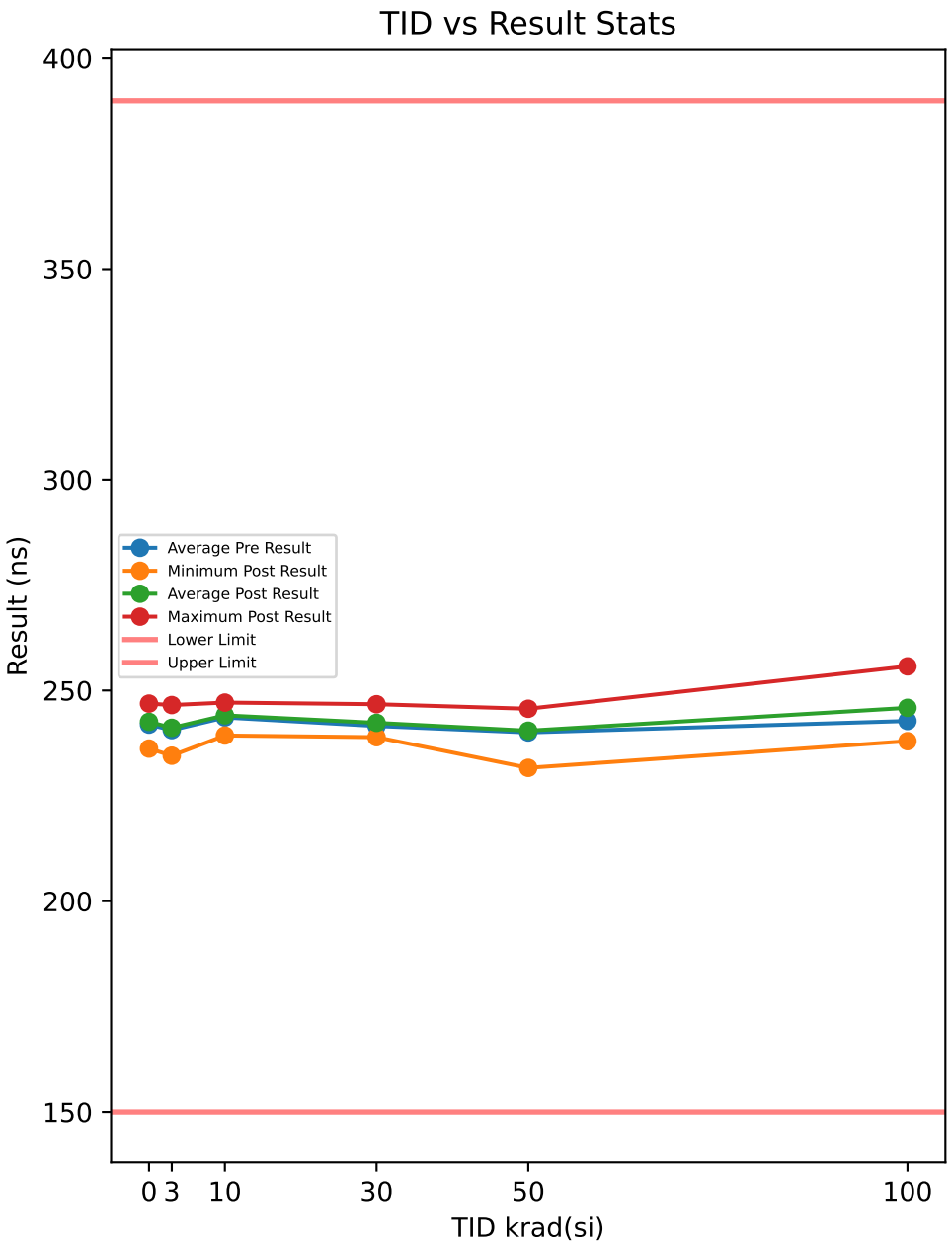
Test Results (Lower Limit = 850.0, Upper Limit = 1150.0 (kHz))

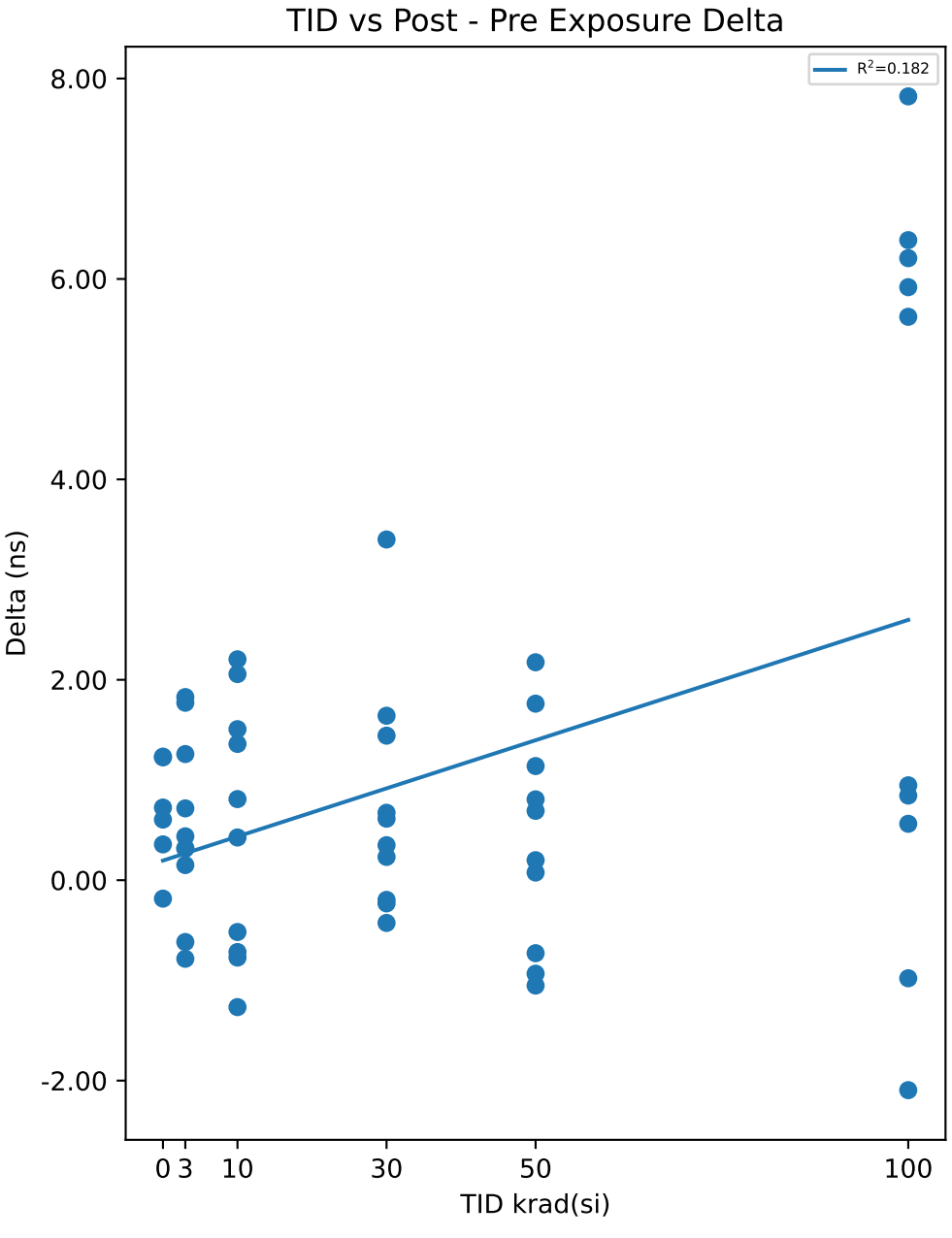
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	LDR Biased	959.12	959.62	0.502
2	3	LDR Biased	1004.1	1006.5	2.3918
3	3	LDR Biased	1002.3	1004.1	1.7593
4	3	LDR Biased	991.46	992.01	0.5424
5	3	LDR Biased	972.8	973.14	0.3411
6	10	LDR Biased	1004.1	999.41	-4.6451
7	10	LDR Biased	992.45	996.84	4.3953
8	10	LDR Biased	1012.4	1014.7	2.3456
9	10	LDR Biased	967.31	968.85	1.5349
10	10	LDR Biased	991.29	987.4	-3.8876
11	30	LDR Biased	981.57	979.79	-1.7716
12	30	LDR Biased	970.58	967.22	-3.3601
13	30	LDR Biased	973.77	966.78	-6.9875
14	30	LDR Biased	1001.2	989.54	-11.624
15	30	LDR Biased	976.25	965.3	-10.947
16	50	LDR Biased	1003.6	985.17	-18.455
17	50	LDR Biased	989.61	971.55	-18.068
18	50	LDR Biased	974.85	962.79	-12.056
19	50	LDR Biased	979.89	963.54	-16.351
20	50	LDR Biased	971.78	959.85	-11.934
21	100	LDR Biased	986.76	971.74	-15.025
22	100	LDR Biased	967.38	956.39	-10.991
23	100	LDR Biased	1017.7	984.91	-32.784
24	100	LDR Biased	992.76	975.78	-16.984
25	100	LDR Biased	974.97	964.04	-10.927
26	3	LDR Unbiased	962.64	962	-0.6455
27	3	LDR Unbiased	971.75	970.09	-1.6617
28	3	LDR Unbiased	1010.9	1009.3	-1.6809
29	3	LDR Unbiased	976.88	976.29	-0.5898
30	3	LDR Unbiased	969.85	966.73	-3.1211
31	10	LDR Unbiased	1014.7	1010.8	-3.9072
32	10	LDR Unbiased	987.83	985.47	-2.3649
33	10	LDR Unbiased	984.51	980.92	-3.5956
34	10	LDR Unbiased	987.72	982.87	-4.8515
35	10	LDR Unbiased	993.15	987.47	-5.6755
36	30	LDR Unbiased	976.8	967.75	-9.0419
37	30	LDR Unbiased	988.27	971.18	-17.096
38	30	LDR Unbiased	997.89	986.25	-11.64
39	30	LDR Unbiased	971.58	959.56	-12.021
40	30	LDR Unbiased	997.49	983.65	-13.843
41	50	LDR Unbiased	990.25	969.01	-21.241
42	50	LDR Unbiased	979.52	965.79	-13.723
43	50	LDR Unbiased	983.19	965.2	-17.988
44	50	LDR Unbiased	972.93	961.05	-11.882
45	50	LDR Unbiased	970.18	957.09	-13.087
46	100	LDR Unbiased	1010.4	973.89	-36.55
47	100	LDR Unbiased	987.06	965.17	-21.89
48	100	LDR Unbiased	997.43	967.29	-30.14
49	100	LDR Unbiased	977.03	959.3	-17.73
50	100	LDR Unbiased	966.94	951.82	-15.124
60	0	Correlation	979.14	977.87	-1.2661
61	0	Correlation	981.7	980.29	-1.4181
62	0	Correlation	977	975.54	-1.4584
63	0	Correlation	994.93	993.18	-1.7438
64	0	Correlation	996.24	994.92	-1.328
65	0	Correlation	988.93	987.55	-1.3796

Test Statistics (kHz)

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	977	986.32	996.24	8.2364	975.54	984.89	994.92	8.1766	-1.7438	-1.4323	-1.2661	0.16685
3	959.12	982.19	1010.9	18.526	959.62	981.97	1009.3	19.196	-3.1211	-0.21624	2.3918	1.6701
10	967.31	993.54	1014.7	13.971	968.85	991.48	1014.7	14.035	-5.6755	-2.0652	4.3953	3.508
30	970.58	983.54	1001.2	11.75	959.56	973.7	989.54	10.256	-17.096	-9.8333	-1.7716	4.6779
50	970.18	981.58	1003.6	10.442	957.09	966.1	985.17	7.9289	-21.241	-15.478	-11.882	3.3639
100	966.94	987.85	1017.7	17.186	951.82	967.03	984.91	9.9021	-36.55	-20.815	-10.927	9.2096

Device Test: 24.3 _TIMING|DELAY/SYNC1/4.5//OPEN//@SYNC1_SW_DELAY_INV_4V





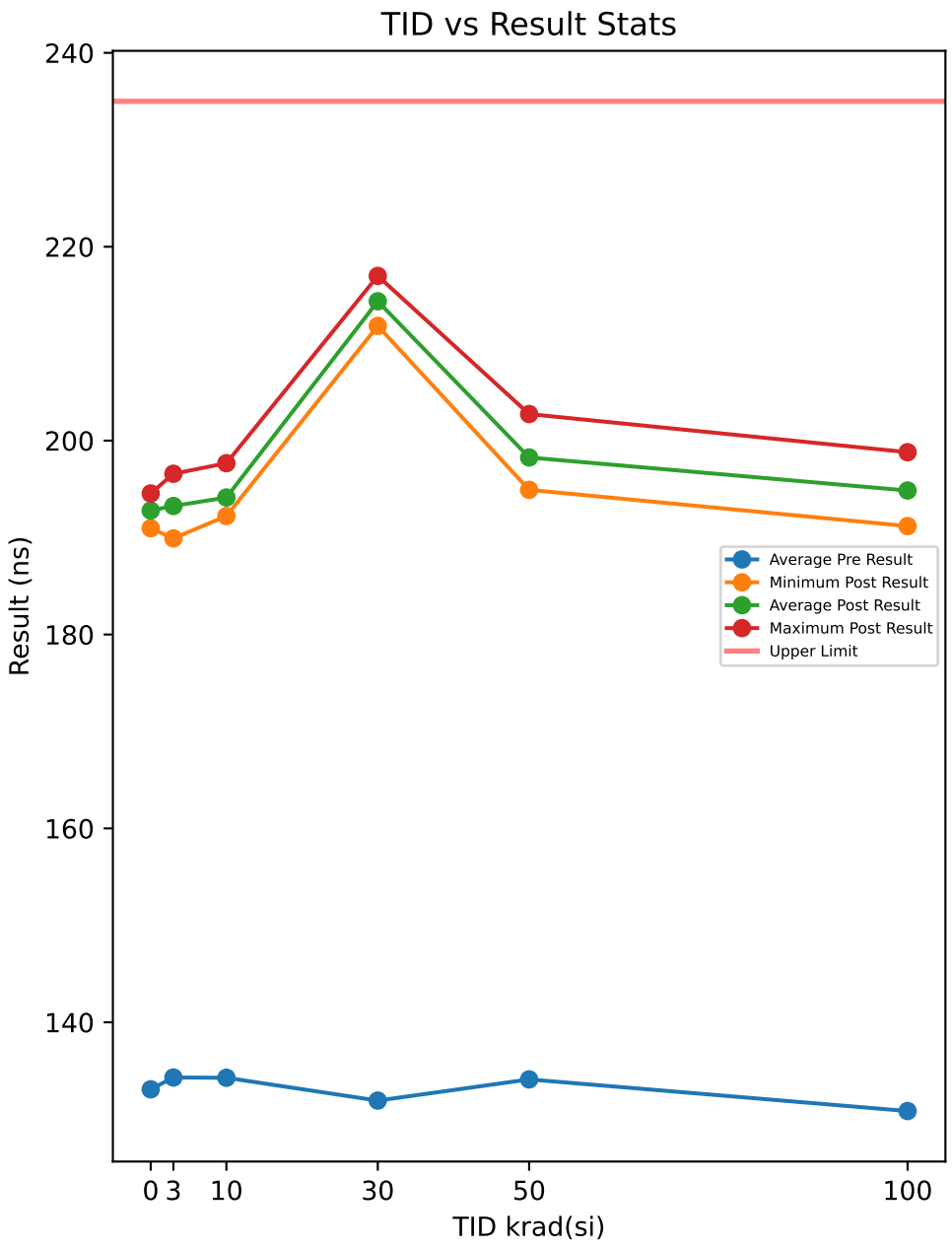
Test Results (Lower Limit = 150.0, Upper Limit = 390.0 (ns))

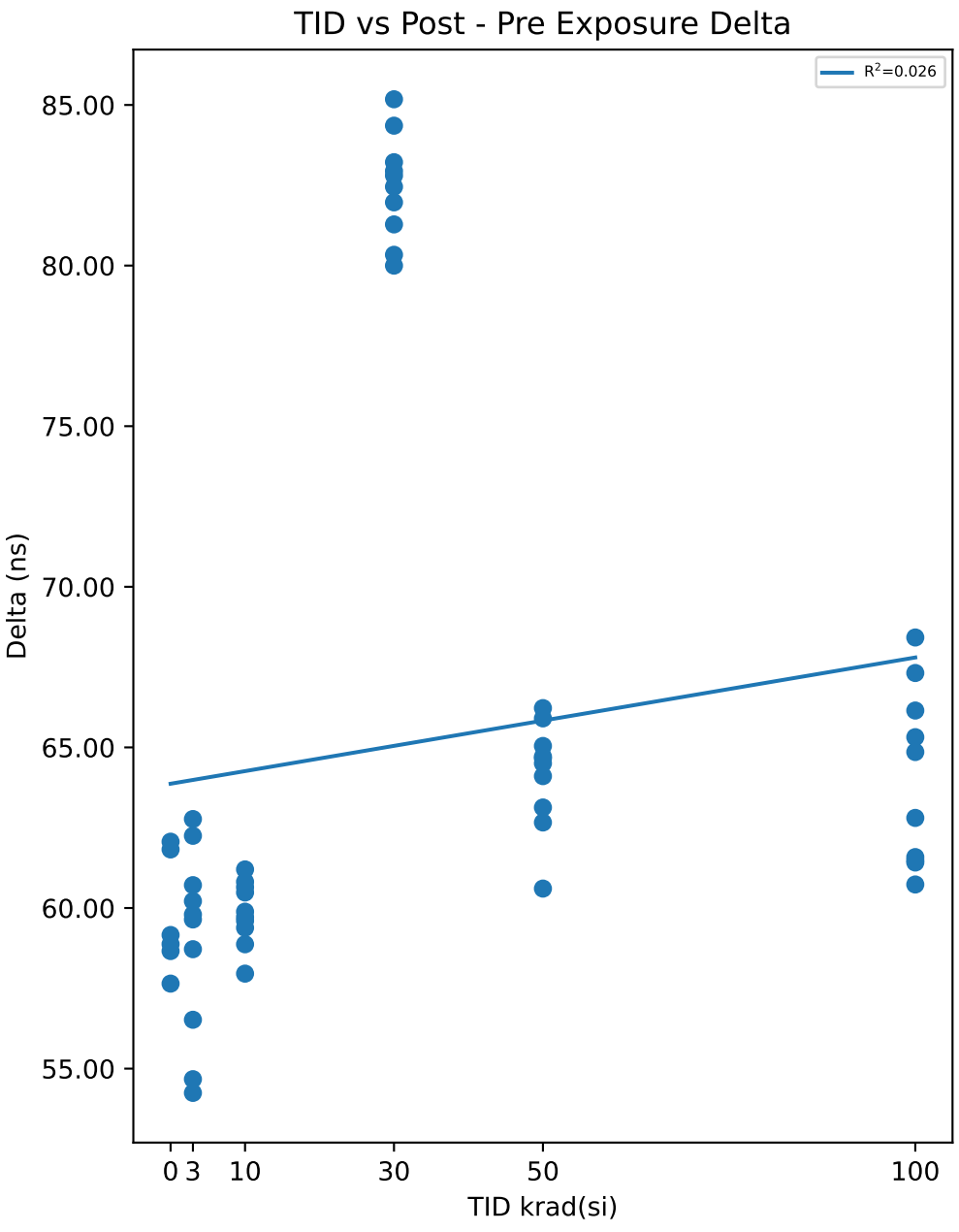
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	LDR Biased	245.82	246.54	0.7167
2	3	LDR Biased	243.73	243.89	0.1511
3	3	LDR Biased	235.31	234.53	-0.784
4	3	LDR Biased	245.28	244.66	-0.617
5	3	LDR Biased	235.62	237.44	1.8274
6	10	LDR Biased	245.5	247.01	1.5071
7	10	LDR Biased	245.99	245.47	-0.5168
8	10	LDR Biased	241.55	240.83	-0.7171
9	10	LDR Biased	243.91	245.97	2.0571
10	10	LDR Biased	245.77	247.13	1.3601
11	30	LDR Biased	241.82	242.43	0.6138
12	30	LDR Biased	241.67	242.35	0.6728
13	30	LDR Biased	238.27	239.91	1.6411
14	30	LDR Biased	241.4	240.97	-0.4265
15	30	LDR Biased	243.33	246.73	3.3999
16	50	LDR Biased	239.31	240.12	0.8068
17	50	LDR Biased	240.32	240.39	0.0765
18	50	LDR Biased	230.95	231.64	0.6921
19	50	LDR Biased	239.49	241.67	2.1747
20	50	LDR Biased	239.34	239.54	0.1997
21	100	LDR Biased	245.43	251.63	6.2075
22	100	LDR Biased	249.33	255.72	6.3875
23	100	LDR Biased	241.18	246.8	5.6225
24	100	LDR Biased	242.25	248.17	5.918
25	100	LDR Biased	236.88	244.7	7.822
26	3	LDR Unbiased	238.79	240.56	1.7708
27	3	LDR Unbiased	242.83	243.15	0.3193
28	3	LDR Unbiased	239.62	240.06	0.4378
29	3	LDR Unbiased	239.96	240.28	0.3156
30	3	LDR Unbiased	238.95	240.2	1.2588
31	10	LDR Unbiased	243.88	244.31	0.4262
32	10	LDR Unbiased	246.78	245.51	-1.2664
33	10	LDR Unbiased	238.63	240.84	2.2041
34	10	LDR Unbiased	240.08	239.31	-0.772
35	10	LDR Unbiased	243.75	244.56	0.8094
36	30	LDR Unbiased	238.68	238.91	0.2323
37	30	LDR Unbiased	243.77	243.58	-0.1964
38	30	LDR Unbiased	242.4	242.17	-0.2314
39	30	LDR Unbiased	244.11	245.56	1.4425
40	30	LDR Unbiased	240.15	240.5	0.3494
41	50	LDR Unbiased	245.78	245.05	-0.7285
42	50	LDR Unbiased	244.52	245.66	1.1391
43	50	LDR Unbiased	241.87	240.94	-0.9329
44	50	LDR Unbiased	240.85	239.8	-1.0512
45	50	LDR Unbiased	237.89	239.66	1.7619
46	100	LDR Unbiased	242.5	241.52	-0.9788
47	100	LDR Unbiased	244.47	245.31	0.8447
48	100	LDR Unbiased	243.73	244.68	0.9468
49	100	LDR Unbiased	241.71	242.28	0.5628
50	100	LDR Unbiased	240.06	237.97	-2.0952
60	0	Correlation	236.62	237.85	1.2258
61	0	Correlation	234.98	236.21	1.233
62	0	Correlation	244.29	244.1	-0.184
63	0	Correlation	245.01	245.61	0.6051
64	0	Correlation	243.92	244.65	0.7249
65	0	Correlation	246.53	246.88	0.3574

Test Statistics (ns)

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	234.98	241.89	246.53	4.8302	236.21	242.55	246.88	4.4112	-0.184	0.66037	1.233	0.54029
3	235.31	240.59	245.82	3.7146	234.53	241.13	246.54	3.5541	-0.784	0.53965	1.8274	0.88647
10	238.63	243.58	246.78	2.6987	239.31	244.09	247.13	2.779	-1.2664	0.50917	2.2041	1.2665
30	238.27	241.56	244.11	2.0134	238.91	242.31	246.73	2.4523	-0.4265	0.74975	3.3999	1.1543
50	230.95	240.03	245.78	4.0236	231.64	240.45	245.66	3.7955	-1.0512	0.41382	2.1747	1.1106
100	236.88	242.75	249.33	3.3316	237.97	245.88	255.72	5.0968	-2.0952	3.1238	7.822	3.6032

Device Test: 24.31 _TIMING|MINON/SW/4.5//511k//@ON_TIME_MIN_4V





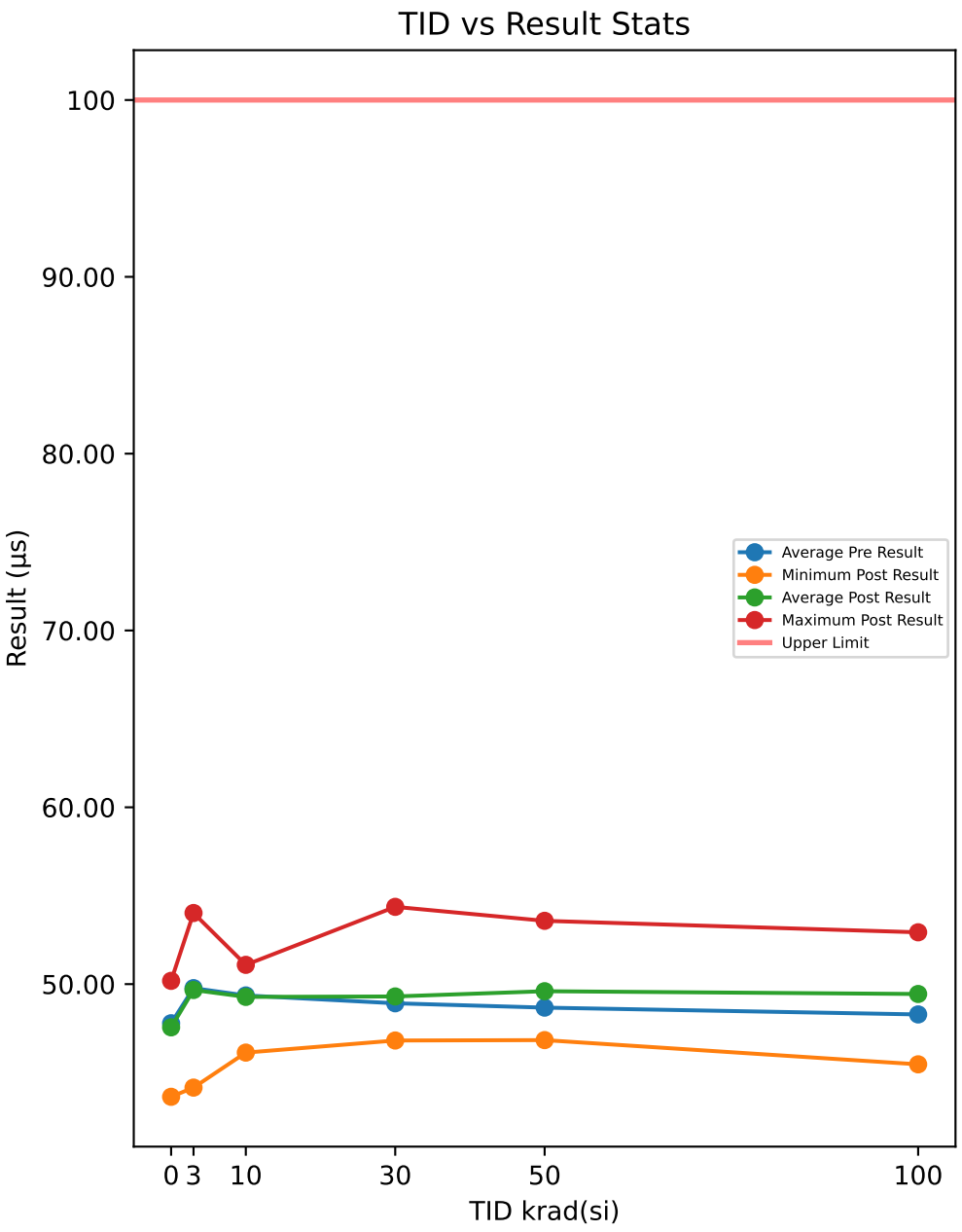
Test Results (Upper Limit = 235.0 (ns))

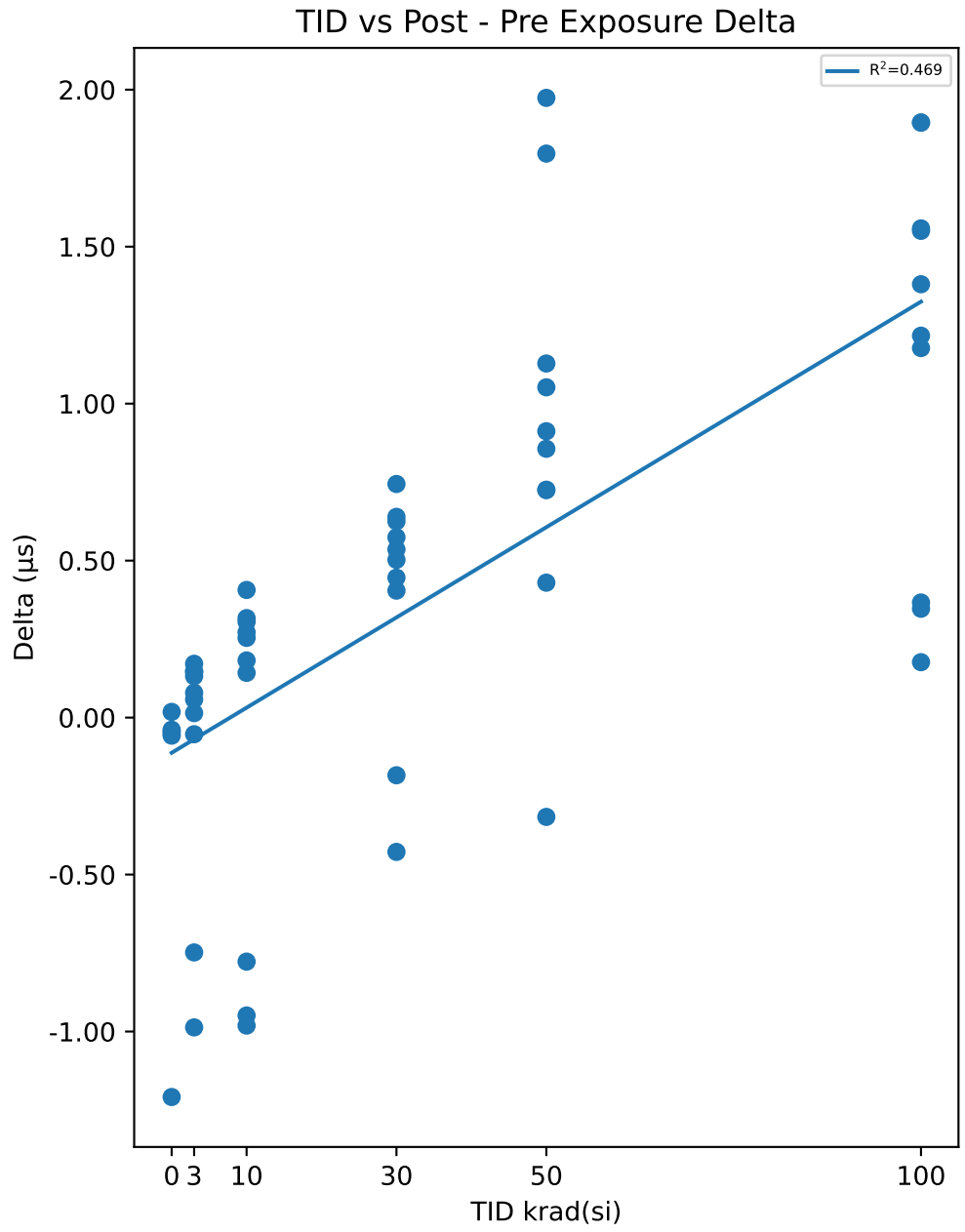
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	LDR Biased	131.35	191.57	60.214
2	3	LDR Biased	136.2	194.92	58.718
3	3	LDR Biased	129.36	192.13	62.769
4	3	LDR Biased	133.63	193.27	59.644
5	3	LDR Biased	133.18	192.97	59.795
6	10	LDR Biased	135.64	196.46	60.816
7	10	LDR Biased	134.47	194.19	59.718
8	10	LDR Biased	134.61	195.09	60.483
9	10	LDR Biased	134.6	192.55	57.957
10	10	LDR Biased	133.8	193.4	59.602
11	30	LDR Biased	130.87	214.08	83.218
12	30	LDR Biased	129.08	214.26	85.177
13	30	LDR Biased	132.93	215.38	82.454
14	30	LDR Biased	132.19	214.16	81.968
15	30	LDR Biased	134.07	214.41	80.336
16	50	LDR Biased	131.75	197.97	66.223
17	50	LDR Biased	134.08	197.21	63.129
18	50	LDR Biased	130.42	194.92	64.504
19	50	LDR Biased	132.24	198.14	65.903
20	50	LDR Biased	135.92	200.64	64.713
21	100	LDR Biased	133.44	195.02	61.585
22	100	LDR Biased	131.3	196.15	64.856
23	100	LDR Biased	125.74	193.06	67.316
24	100	LDR Biased	125.86	191.18	65.318
25	100	LDR Biased	132.83	194.24	61.417
26	3	LDR Unbiased	127.67	189.92	62.248
27	3	LDR Unbiased	141.91	196.58	54.671
28	3	LDR Unbiased	141.28	195.53	54.244
29	3	LDR Unbiased	138.33	194.85	56.521
30	3	LDR Unbiased	130.15	190.86	60.711
31	10	LDR Unbiased	137.79	197.67	59.886
32	10	LDR Unbiased	132.54	193.19	60.648
33	10	LDR Unbiased	134.3	193.18	58.871
34	10	LDR Unbiased	134.01	193.39	59.386
35	10	LDR Unbiased	131.02	192.22	61.202
36	30	LDR Unbiased	134.01	215.29	81.281
37	30	LDR Unbiased	129.84	214.19	84.355
38	30	LDR Unbiased	130.35	213.15	82.803
39	30	LDR Unbiased	128.89	211.83	82.944
40	30	LDR Unbiased	136.99	216.99	79.998
41	50	LDR Unbiased	142.14	202.74	60.605
42	50	LDR Unbiased	133.38	197.48	64.106
43	50	LDR Unbiased	137.05	199.71	62.663
44	50	LDR Unbiased	132.7	197.36	64.661
45	50	LDR Unbiased	131.43	196.47	65.044
46	100	LDR Unbiased	132.22	193.7	61.484
47	100	LDR Unbiased	138.07	198.81	60.732
48	100	LDR Unbiased	129.43	195.58	66.148
49	100	LDR Unbiased	128.07	196.49	68.422
50	100	LDR Unbiased	131.49	194.3	62.804
60	0	Correlation	129.39	191.46	62.064
61	0	Correlation	135.39	194.55	59.16
62	0	Correlation	133.32	190.96	57.646
63	0	Correlation	133.61	192.49	58.877
64	0	Correlation	131.94	193.77	61.823
65	0	Correlation	134.86	193.52	58.66

Test Statistics (ns)

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	129.39	133.09	135.39	2.1769	190.96	192.79	194.55	1.3976	57.646	59.705	62.064	1.8092
3	127.67	134.31	141.91	4.9729	189.92	193.26	196.58	2.1762	54.244	58.953	62.769	2.9395
10	131.02	134.28	137.79	1.7747	192.22	194.13	197.67	1.7603	57.957	59.857	61.202	0.97956
30	128.89	131.92	136.99	2.6034	211.83	214.38	216.99	1.3676	79.998	82.453	85.177	1.6365
50	130.42	134.11	142.14	3.4767	194.92	198.26	202.74	2.2307	60.605	64.155	66.223	1.6566
100	125.74	130.84	138.07	3.7414	191.18	194.85	198.81	2.0894	60.732	64.008	68.422	2.7602

Device Test: 24.32 _TIMING|DELAY/EN/4.5//511k//@T_EN_DELAY





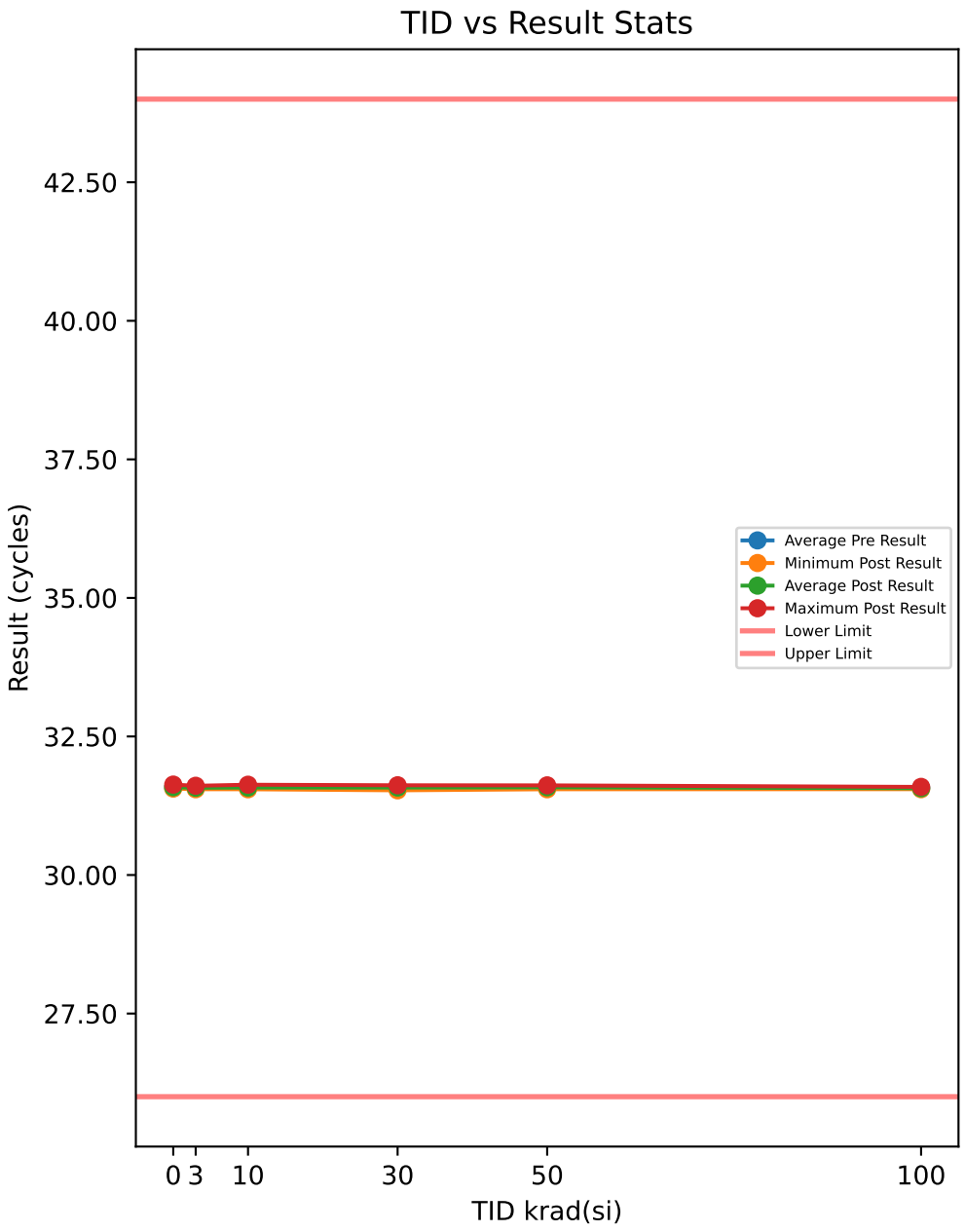
Test Results (Upper Limit = 100.0 (µs))

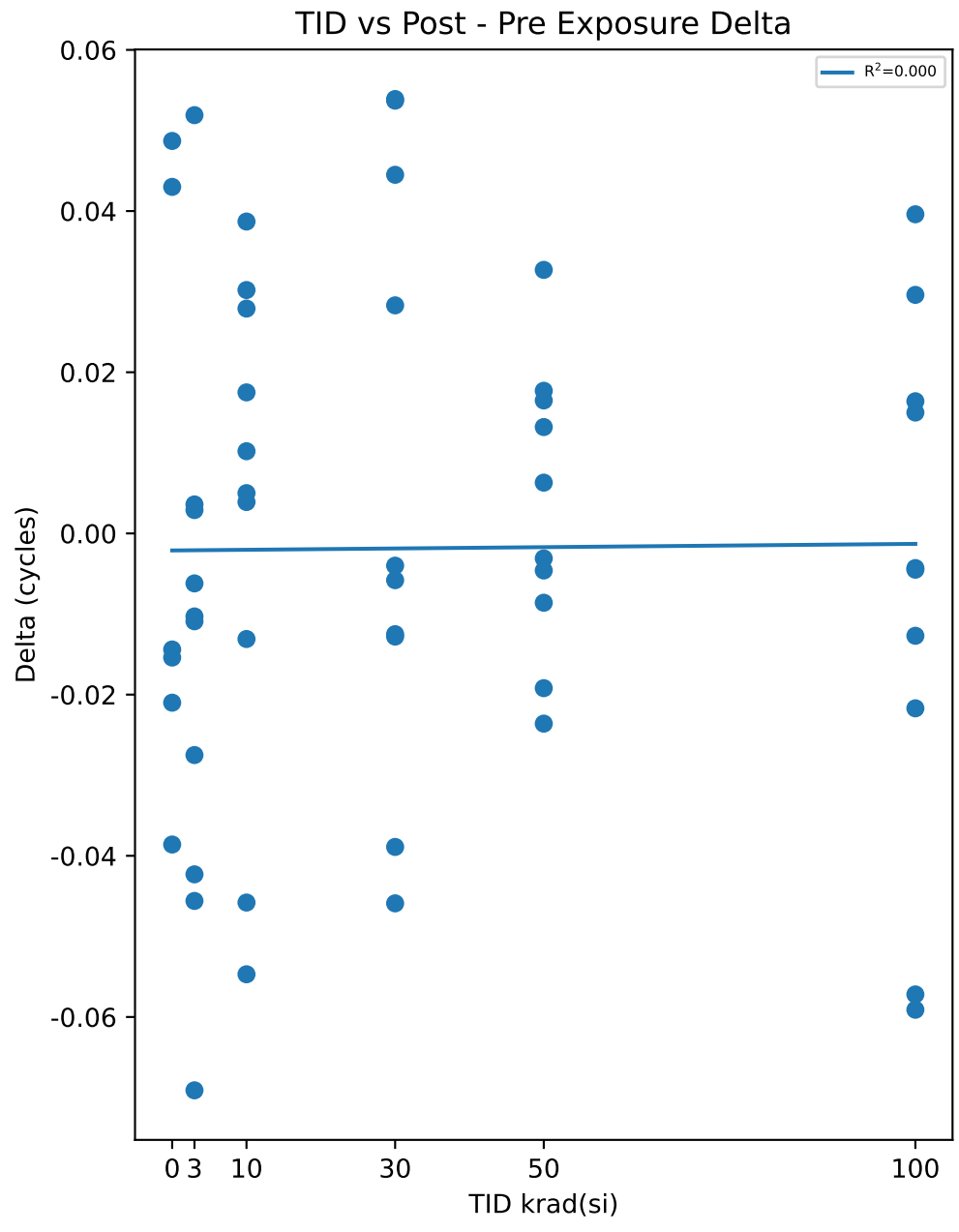
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	LDR Biased	44.001	44.147	0.1454
2	3	LDR Biased	48.811	48.983	0.1714
3	3	LDR Biased	49.505	48.757	-0.748
4	3	LDR Biased	49.854	49.912	0.0578
5	3	LDR Biased	50.198	50.33	0.1318
6	10	LDR Biased	47.793	47.016	-0.7773
7	10	LDR Biased	49.185	49.49	0.305
8	10	LDR Biased	50.683	51.09	0.4065
9	10	LDR Biased	51.378	50.429	-0.9488
10	10	LDR Biased	49.768	50.022	0.2539
11	30	LDR Biased	49.721	49.293	-0.4278
12	30	LDR Biased	47.005	47.54	0.5357
13	30	LDR Biased	46.236	46.811	0.5742
14	30	LDR Biased	49.765	50.17	0.4045
15	30	LDR Biased	48.892	49.517	0.6252
16	50	LDR Biased	47.058	47.783	0.7258
17	50	LDR Biased	51.047	52.099	1.052
18	50	LDR Biased	45.037	46.833	1.7964
19	50	LDR Biased	48.644	49.074	0.4298
20	50	LDR Biased	46.885	47.61	0.7245
21	100	LDR Biased	46.072	47.63	1.5581
22	100	LDR Biased	48.288	50.183	1.8955
23	100	LDR Biased	50.067	50.413	0.3467
24	100	LDR Biased	48.815	50.71	1.8951
25	100	LDR Biased	45.776	47.156	1.3803
26	3	LDR Unbiased	48.001	48.149	0.1475
27	3	LDR Unbiased	52.04	52.119	0.0792
28	3	LDR Unbiased	54.075	54.022	-0.053
29	3	LDR Unbiased	53.806	53.82	0.0142
30	3	LDR Unbiased	47.422	46.435	-0.9868
31	10	LDR Unbiased	49.682	49.999	0.3169
32	10	LDR Unbiased	47.161	47.343	0.182
33	10	LDR Unbiased	51.388	50.407	-0.981
34	10	LDR Unbiased	50.7	50.843	0.1425
35	10	LDR Unbiased	45.855	46.127	0.2717
36	30	LDR Unbiased	48.432	48.878	0.4457
37	30	LDR Unbiased	54.553	54.37	-0.1837
38	30	LDR Unbiased	46.91	47.413	0.5025
39	30	LDR Unbiased	49.633	50.273	0.6394
40	30	LDR Unbiased	48.012	48.756	0.744
41	50	LDR Unbiased	52.422	53.55	1.1278
42	50	LDR Unbiased	50.356	51.212	0.8562
43	50	LDR Unbiased	46.227	47.139	0.9121
44	50	LDR Unbiased	45.131	47.105	1.9739
45	50	LDR Unbiased	53.896	53.58	-0.3163
46	100	LDR Unbiased	51.38	52.93	1.5504
47	100	LDR Unbiased	46.679	47.895	1.2164
48	100	LDR Unbiased	52.136	52.503	0.3666
49	100	LDR Unbiased	45.287	45.464	0.1765
50	100	LDR Unbiased	48.353	49.531	1.177
60	0	Correlation	48.037	48.055	0.0181
61	0	Correlation	43.671	43.627	-0.0432
62	0	Correlation	51.115	49.907	-1.2085
63	0	Correlation	46.642	46.59	-0.0517
64	0	Correlation	47.009	46.97	-0.0386
65	0	Correlation	50.242	50.185	-0.0575

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	43.671	47.786	51.115	2.6845	43.627	47.556	50.185	2.4247	-1.2085	-0.23023	0.0181	0.48002
3	44.001	49.771	54.075	3.0381	44.147	49.667	54.022	3.1135	-0.9868	-0.10405	0.1714	0.41194
10	45.855	49.359	51.388	1.8741	46.127	49.276	51.09	1.7714	-0.981	-0.08286	0.4065	0.57238
30	46.236	48.916	54.553	2.3469	46.811	49.302	54.37	2.1286	-0.4278	0.38597	0.744	0.38177
50	45.037	48.67	53.896	3.1155	46.833	49.599	53.58	2.7437	-0.3163	0.92822	1.9739	0.64872
100	45.287	48.285	52.136	2.3718	45.464	49.442	52.93	2.3892	0.1765	1.1563	1.8955	0.64138

Device Test: 24.34 _TIMING|DELAY/FAULT/4.5//511k//@T_FAULT_DELAY





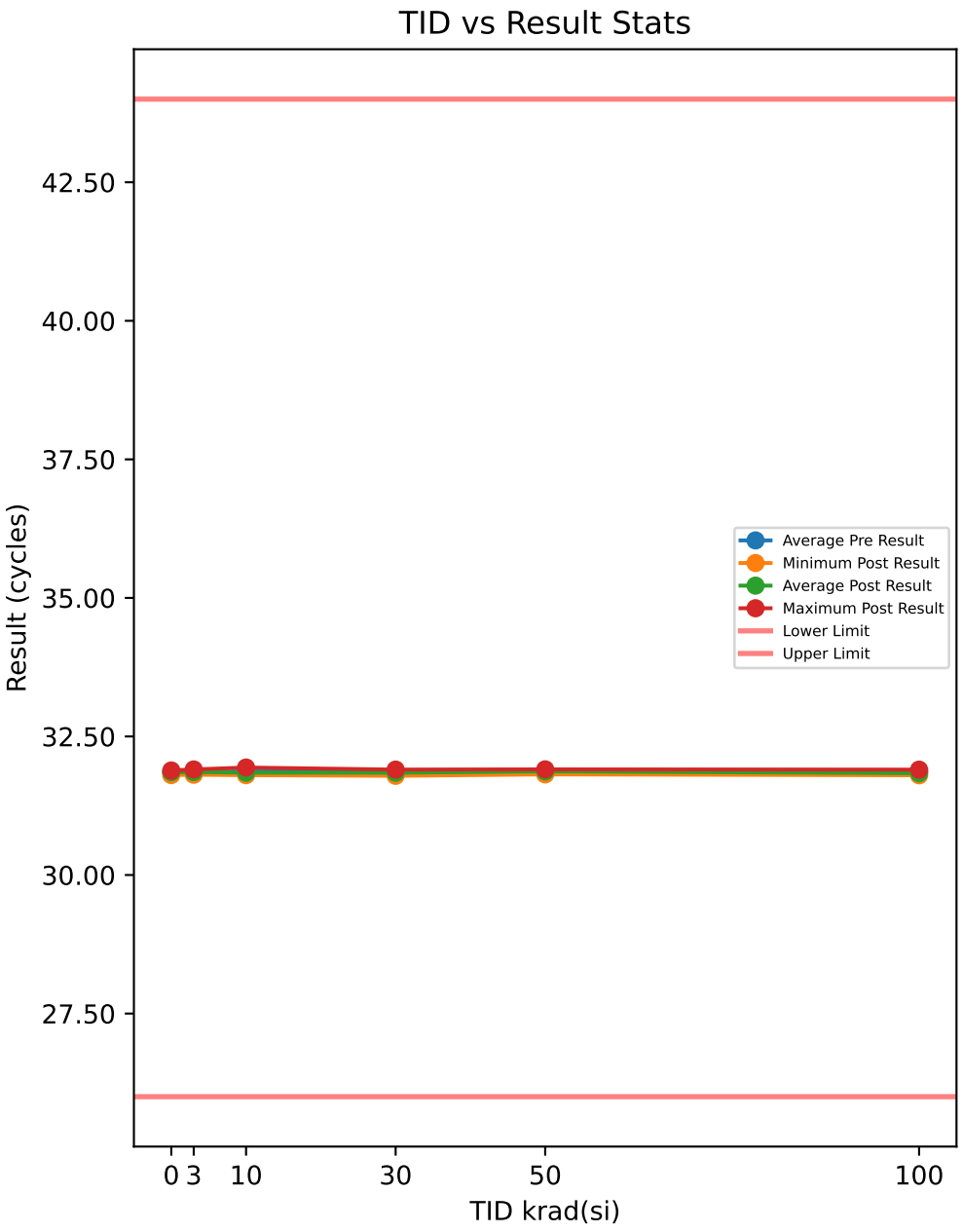
Test Results (Lower Limit = 26.0, Upper Limit = 44.0 (cycles))

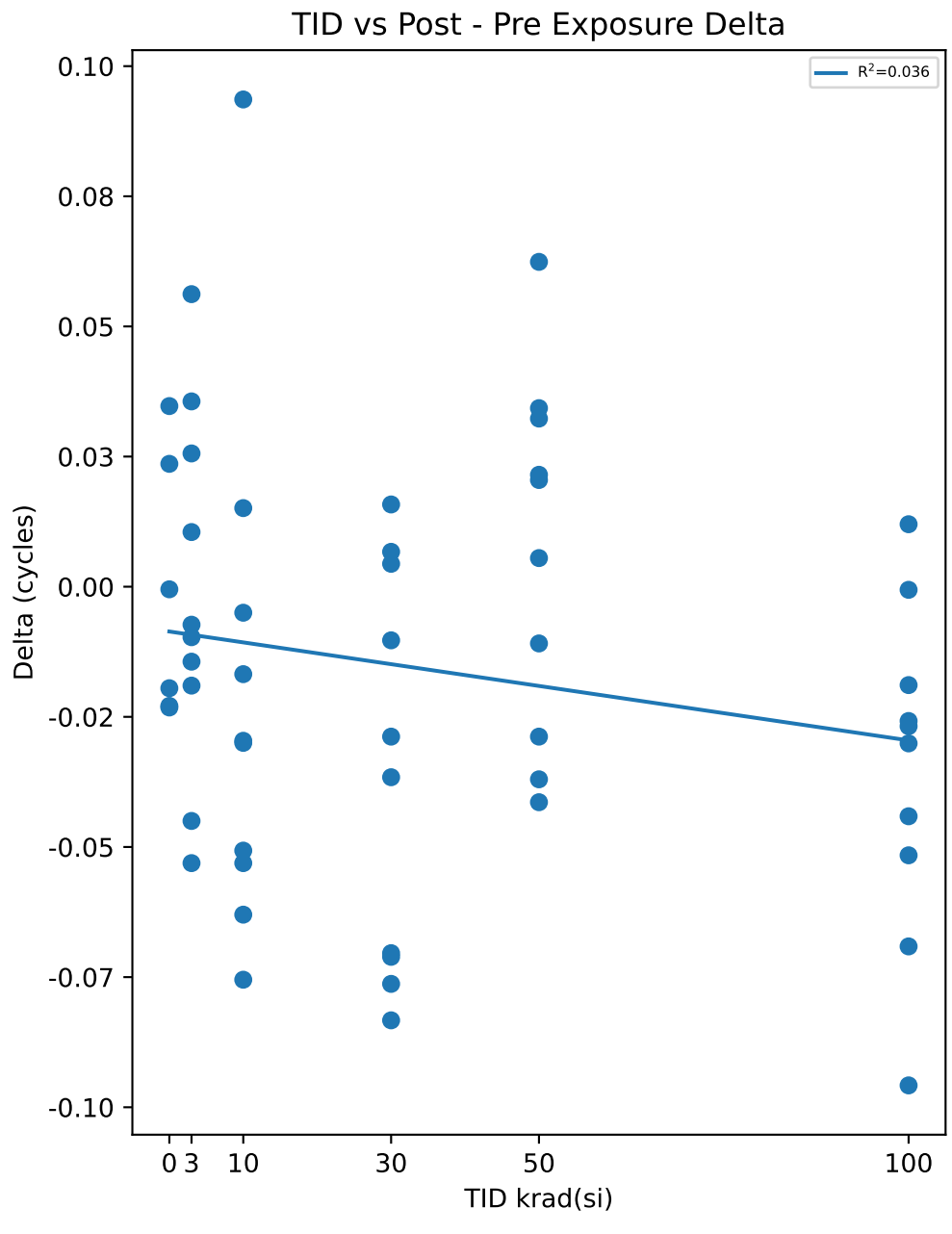
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	LDR Biased	31.577	31.566	-0.0109
2	3	LDR Biased	31.595	31.599	0.0036
3	3	LDR Biased	31.628	31.582	-0.0456
4	3	LDR Biased	31.591	31.585	-0.0062
5	3	LDR Biased	31.591	31.564	-0.0275
6	10	LDR Biased	31.532	31.562	0.0302
7	10	LDR Biased	31.594	31.599	0.005
8	10	LDR Biased	31.543	31.56	0.0175
9	10	LDR Biased	31.61	31.555	-0.0547
10	10	LDR Biased	31.59	31.629	0.0387
11	30	LDR Biased	31.61	31.571	-0.0389
12	30	LDR Biased	31.578	31.566	-0.0128
13	30	LDR Biased	31.574	31.528	-0.0459
14	30	LDR Biased	31.603	31.599	-0.004
15	30	LDR Biased	31.548	31.602	0.0537
16	50	LDR Biased	31.576	31.589	0.0132
17	50	LDR Biased	31.567	31.547	-0.0192
18	50	LDR Biased	31.585	31.618	0.0327
19	50	LDR Biased	31.58	31.571	-0.0086
20	50	LDR Biased	31.584	31.58	-0.0046
21	100	LDR Biased	31.576	31.572	-0.0043
22	100	LDR Biased	31.574	31.59	0.0164
23	100	LDR Biased	31.624	31.565	-0.0591
24	100	LDR Biased	31.52	31.55	0.0296
25	100	LDR Biased	31.559	31.574	0.015
26	3	LDR Unbiased	31.56	31.563	0.0029
27	3	LDR Unbiased	31.558	31.61	0.0519
28	3	LDR Unbiased	31.618	31.549	-0.0691
29	3	LDR Unbiased	31.59	31.548	-0.0423
30	3	LDR Unbiased	31.59	31.58	-0.0103
31	10	LDR Unbiased	31.579	31.583	0.0039
32	10	LDR Unbiased	31.56	31.547	-0.0131
33	10	LDR Unbiased	31.564	31.592	0.0279
34	10	LDR Unbiased	31.587	31.597	0.0102
35	10	LDR Unbiased	31.601	31.555	-0.0458
36	30	LDR Unbiased	31.552	31.546	-0.0058
37	30	LDR Unbiased	31.529	31.573	0.0445
38	30	LDR Unbiased	31.547	31.575	0.0283
39	30	LDR Unbiased	31.615	31.602	-0.0125
40	30	LDR Unbiased	31.565	31.619	0.0539
41	50	LDR Unbiased	31.612	31.588	-0.0236
42	50	LDR Unbiased	31.581	31.597	0.0165
43	50	LDR Unbiased	31.549	31.555	0.0063
44	50	LDR Unbiased	31.578	31.596	0.0177
45	50	LDR Unbiased	31.594	31.591	-0.0031
46	100	LDR Unbiased	31.626	31.569	-0.0572
47	100	LDR Unbiased	31.561	31.549	-0.0127
48	100	LDR Unbiased	31.582	31.56	-0.0217
49	100	LDR Unbiased	31.527	31.567	0.0396
50	100	LDR Unbiased	31.564	31.56	-0.0045
60	0	Correlation	31.598	31.56	-0.0386
61	0	Correlation	31.581	31.566	-0.0154
62	0	Correlation	31.591	31.577	-0.0144
63	0	Correlation	31.56	31.603	0.043
64	0	Correlation	31.583	31.631	0.0487
65	0	Correlation	31.586	31.565	-0.021

Test Statistics (cycles)

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	31.56	31.583	31.598	0.013025	31.56	31.584	31.631	0.028092	-0.0386	0.00038333	0.0487	0.036319
3	31.558	31.59	31.628	0.021805	31.548	31.575	31.61	0.020427	-0.0691	-0.01535	0.0519	0.03337
10	31.532	31.576	31.61	0.025406	31.547	31.578	31.629	0.026364	-0.0547	0.00198	0.0387	0.031377
30	31.529	31.572	31.615	0.029405	31.528	31.578	31.619	0.02802	-0.0459	0.00605	0.0539	0.036808
50	31.549	31.581	31.612	0.0163	31.547	31.583	31.618	0.020747	-0.0236	0.00273	0.0327	0.017716
100	31.52	31.571	31.626	0.034562	31.549	31.566	31.59	0.012136	-0.0591	-0.00589	0.0396	0.033378

Device Test: 24.36 _TIMING|DELAY/FAULT/4.5//90.9k//@T_FAULT_DELAY





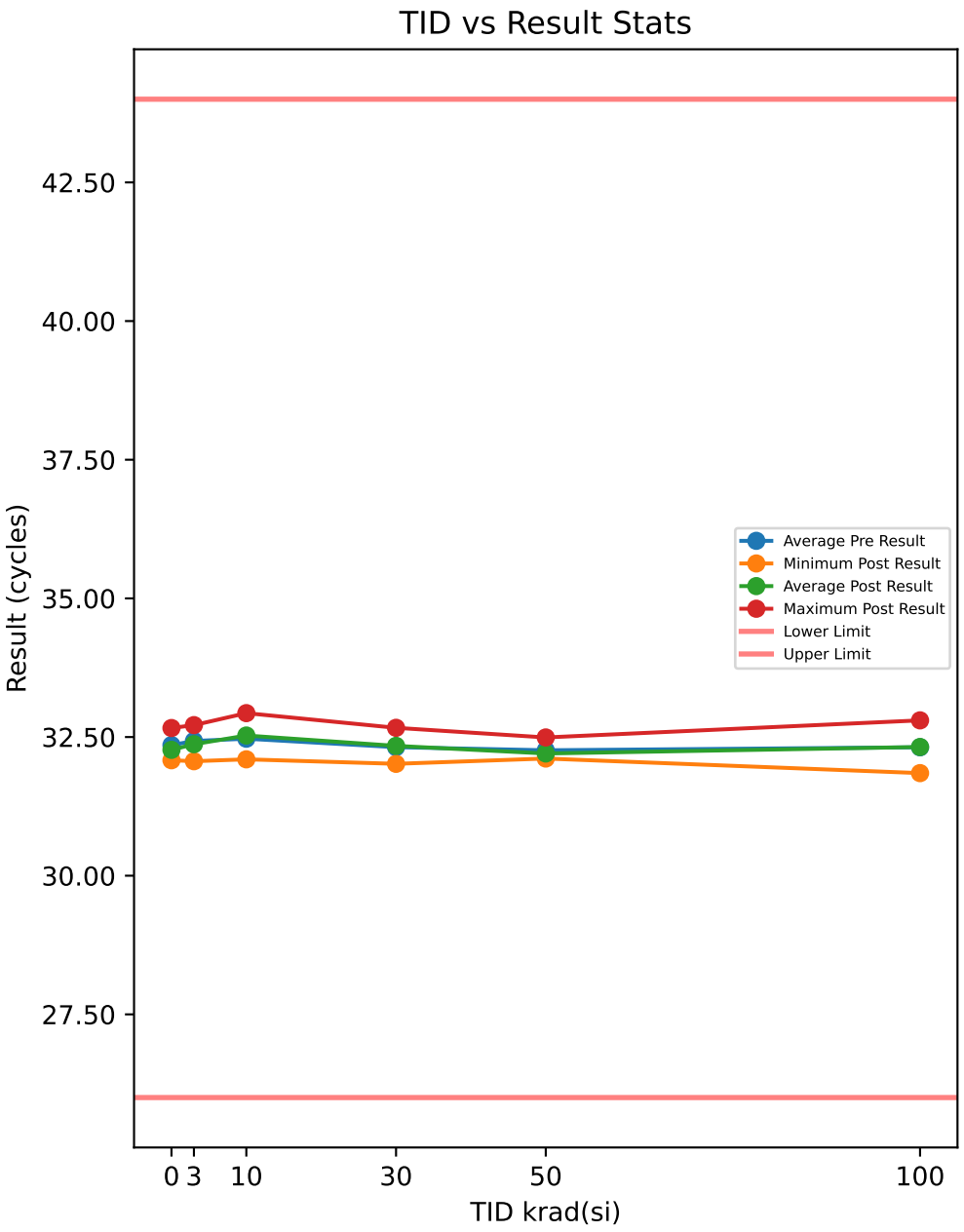
Test Results (Lower Limit = 26.0, Upper Limit = 44.0 (cycles))

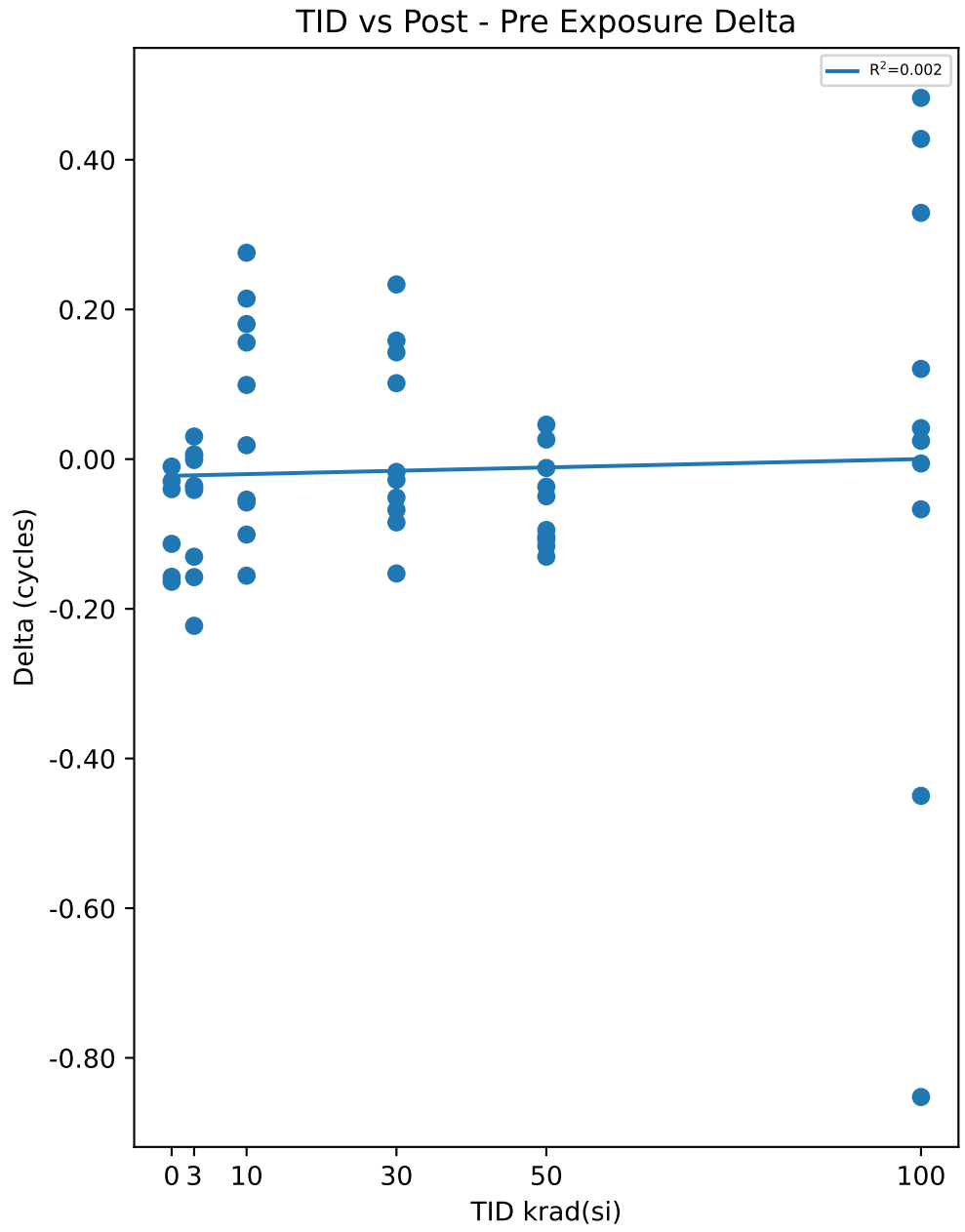
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	LDR Biased	31.845	31.855	0.0105
2	3	LDR Biased	31.863	31.853	-0.0097
3	3	LDR Biased	31.896	31.843	-0.0531
4	3	LDR Biased	31.86	31.846	-0.0144
5	3	LDR Biased	31.82	31.876	0.0562
6	10	LDR Biased	31.877	31.802	-0.0755
7	10	LDR Biased	31.837	31.832	-0.005
8	10	LDR Biased	31.89	31.905	0.0151
9	10	LDR Biased	31.891	31.874	-0.0168
10	10	LDR Biased	31.865	31.802	-0.063
11	30	LDR Biased	31.887	31.891	0.0044
12	30	LDR Biased	31.838	31.854	0.0158
13	30	LDR Biased	31.884	31.847	-0.0366
14	30	LDR Biased	31.861	31.79	-0.0704
15	30	LDR Biased	31.894	31.818	-0.0763
16	50	LDR Biased	31.886	31.849	-0.037
17	50	LDR Biased	31.901	31.89	-0.0109
18	50	LDR Biased	31.867	31.901	0.0343
19	50	LDR Biased	31.886	31.906	0.0205
20	50	LDR Biased	31.86	31.865	0.0055
21	100	LDR Biased	31.841	31.814	-0.0268
22	100	LDR Biased	31.847	31.828	-0.0189
23	100	LDR Biased	31.867	31.837	-0.0301
24	100	LDR Biased	31.826	31.8	-0.0258
25	100	LDR Biased	31.914	31.818	-0.0958
26	3	LDR Unbiased	31.87	31.825	-0.045
27	3	LDR Unbiased	31.891	31.872	-0.019
28	3	LDR Unbiased	31.869	31.905	0.0356
29	3	LDR Unbiased	31.817	31.81	-0.0073
30	3	LDR Unbiased	31.876	31.901	0.0256
31	10	LDR Unbiased	31.845	31.815	-0.0296
32	10	LDR Unbiased	31.86	31.807	-0.0531
33	10	LDR Unbiased	31.883	31.853	-0.03
34	10	LDR Unbiased	31.886	31.835	-0.0507
35	10	LDR Unbiased	31.845	31.939	0.0936
36	30	LDR Unbiased	31.912	31.902	-0.0103
37	30	LDR Unbiased	31.872	31.843	-0.0288
38	30	LDR Unbiased	31.894	31.823	-0.0711
39	30	LDR Unbiased	31.886	31.803	-0.0833
40	30	LDR Unbiased	31.877	31.883	0.0067
41	50	LDR Unbiased	31.816	31.878	0.0624
42	50	LDR Unbiased	31.835	31.867	0.0323
43	50	LDR Unbiased	31.844	31.816	-0.0288
44	50	LDR Unbiased	31.863	31.821	-0.0414
45	50	LDR Unbiased	31.883	31.905	0.0215
46	100	LDR Unbiased	31.901	31.849	-0.0516
47	100	LDR Unbiased	31.843	31.842	-0.0006
48	100	LDR Unbiased	31.898	31.829	-0.0691
49	100	LDR Unbiased	31.889	31.901	0.012
50	100	LDR Unbiased	31.897	31.853	-0.0441
60	0	Correlation	31.874	31.85	-0.0232
61	0	Correlation	31.885	31.862	-0.0229
62	0	Correlation	31.88	31.879	-0.0005
63	0	Correlation	31.831	31.854	0.0236
64	0	Correlation	31.823	31.804	-0.0195
65	0	Correlation	31.851	31.886	0.0347

Test Statistics (cycles)

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	31.823	31.857	31.885	0.026214	31.804	31.856	31.886	0.029136	-0.0232	-0.0013	0.0347	0.025275
3	31.817	31.861	31.896	0.026607	31.81	31.859	31.905	0.030562	-0.0531	-0.00206	0.0562	0.034495
10	31.837	31.868	31.891	0.020229	31.802	31.846	31.939	0.046571	-0.0755	-0.0215	0.0936	0.048887
30	31.838	31.88	31.912	0.020276	31.79	31.845	31.902	0.037884	-0.0833	-0.03499	0.0158	0.038178
50	31.816	31.864	31.901	0.026392	31.816	31.87	31.906	0.032894	-0.0414	0.00584	0.0624	0.034507
100	31.826	31.872	31.914	0.031159	31.8	31.837	31.901	0.027711	-0.0958	-0.03508	0.012	0.031702

Device Test: 24.38 _TIMING|DELAY/FAULT/4.5//34.8k//@T_FAULT_DELAY





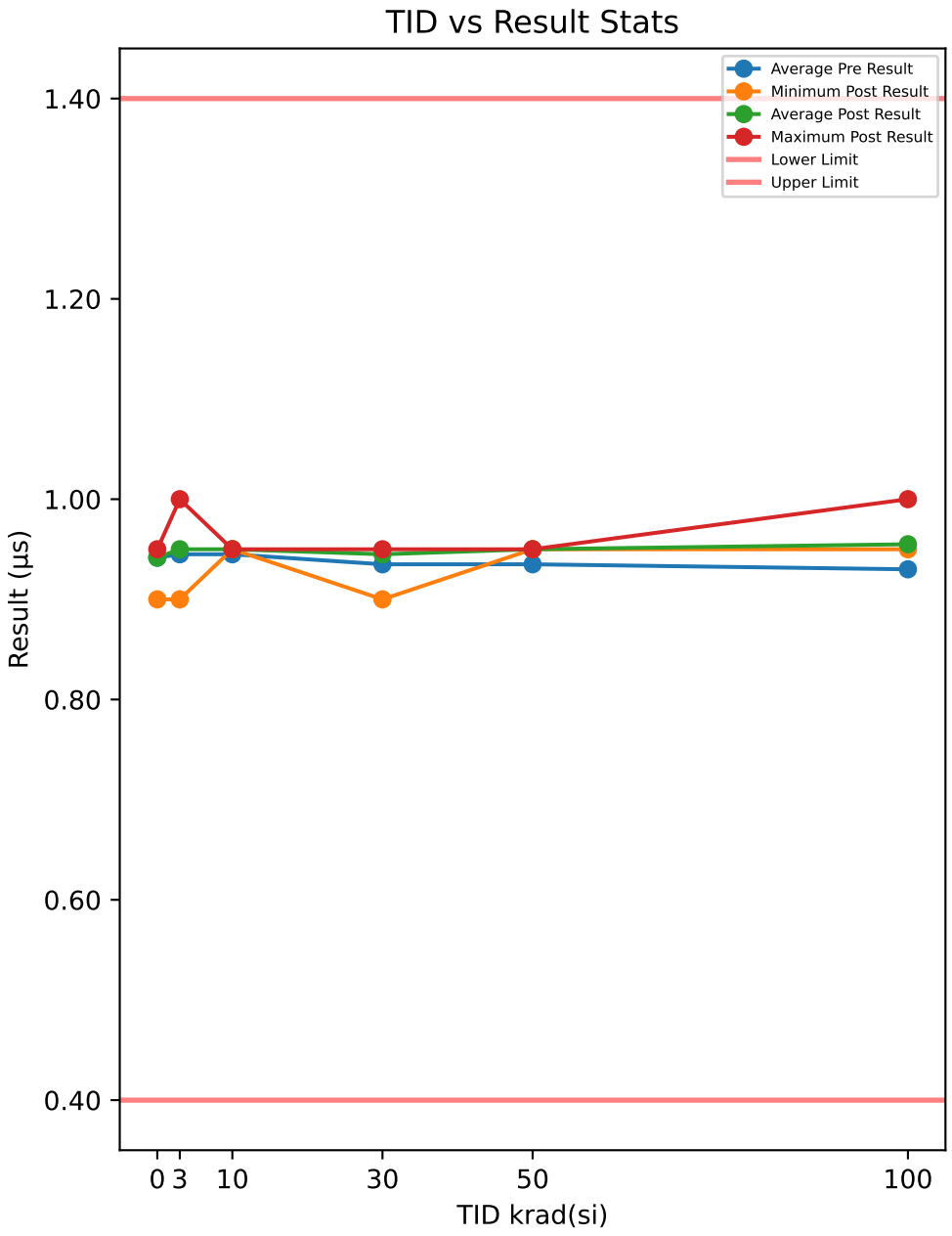
Test Results (Lower Limit = 26.0, Upper Limit = 44.0 (cycles))

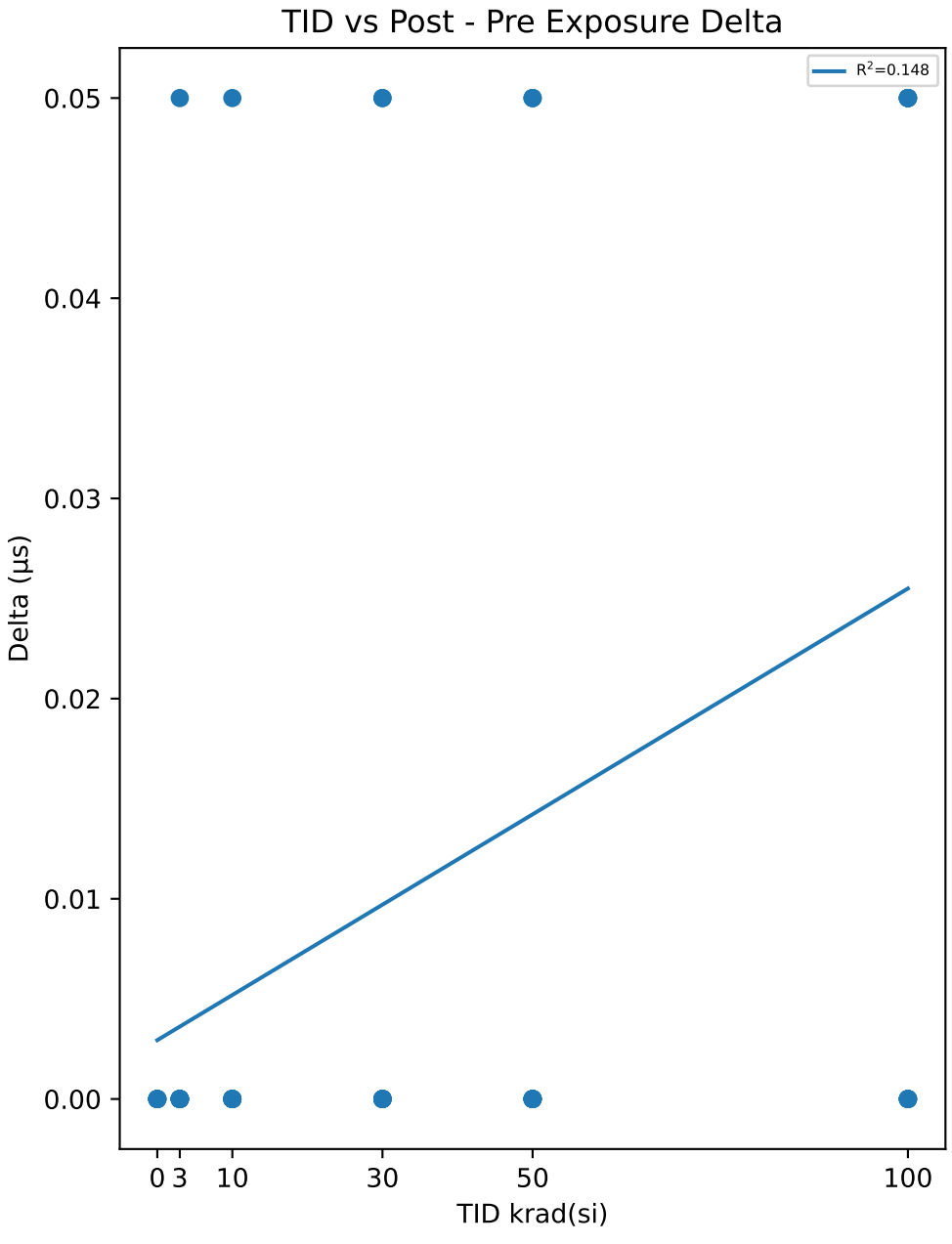
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	LDR Biased	32.312	32.154	-0.1577
2	3	LDR Biased	32.752	32.715	-0.0372
3	3	LDR Biased	32.563	32.562	-0.0011
4	3	LDR Biased	32.389	32.353	-0.0356
5	3	LDR Biased	32.194	32.064	-0.1304
6	10	LDR Biased	32.775	32.931	0.1558
7	10	LDR Biased	32.498	32.773	0.2758
8	10	LDR Biased	32.522	32.703	0.1805
9	10	LDR Biased	32.224	32.166	-0.0579
10	10	LDR Biased	32.427	32.642	0.2145
11	30	LDR Biased	32.323	32.557	0.2334
12	30	LDR Biased	32.23	32.203	-0.0277
13	30	LDR Biased	32.215	32.164	-0.0514
14	30	LDR Biased	32.513	32.496	-0.0171
15	30	LDR Biased	32.065	32.167	0.1015
16	50	LDR Biased	32.504	32.492	-0.0118
17	50	LDR Biased	32.393	32.289	-0.1039
18	50	LDR Biased	32.288	32.172	-0.1163
19	50	LDR Biased	32.083	32.129	0.0461
20	50	LDR Biased	32.199	32.225	0.0262
21	100	LDR Biased	32.187	32.614	0.4278
22	100	LDR Biased	32.215	32.209	-0.0058
23	100	LDR Biased	32.702	31.85	-0.8523
24	100	LDR Biased	32.198	32.239	0.0414
25	100	LDR Biased	32.185	32.668	0.4827
26	3	LDR Unbiased	32.262	32.221	-0.0412
27	3	LDR Unbiased	32.375	32.381	0.0064
28	3	LDR Unbiased	32.844	32.622	-0.2227
29	3	LDR Unbiased	32.425	32.456	0.0302
30	3	LDR Unbiased	32.172	32.176	0.0042
31	10	LDR Unbiased	32.873	32.772	-0.1008
32	10	LDR Unbiased	32.366	32.465	0.0991
33	10	LDR Unbiased	32.2	32.146	-0.0541
34	10	LDR Unbiased	32.559	32.578	0.0186
35	10	LDR Unbiased	32.254	32.098	-0.1557
36	30	LDR Unbiased	32.508	32.666	0.1584
37	30	LDR Unbiased	32.17	32.017	-0.1528
38	30	LDR Unbiased	32.269	32.411	0.1427
39	30	LDR Unbiased	32.231	32.146	-0.0845
40	30	LDR Unbiased	32.65	32.582	-0.0678
41	50	LDR Unbiased	32.243	32.113	-0.1304
42	50	LDR Unbiased	32.235	32.128	-0.1073
43	50	LDR Unbiased	32.238	32.143	-0.0947
44	50	LDR Unbiased	32.218	32.168	-0.0497
45	50	LDR Unbiased	32.213	32.176	-0.0369
46	100	LDR Unbiased	32.641	32.191	-0.4499
47	100	LDR Unbiased	32.472	32.801	0.3291
48	100	LDR Unbiased	32.201	32.225	0.0245
49	100	LDR Unbiased	32.167	32.287	0.1206
50	100	LDR Unbiased	32.187	32.12	-0.067
60	0	Correlation	32.249	32.136	-0.1132
61	0	Correlation	32.258	32.217	-0.0401
62	0	Correlation	32.246	32.082	-0.1639
63	0	Correlation	32.502	32.345	-0.1572
64	0	Correlation	32.692	32.662	-0.0294
65	0	Correlation	32.182	32.172	-0.0099

Test Statistics (cycles)

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	32.182	32.355	32.692	0.19895	32.082	32.269	32.662	0.21236	-0.1639	-0.085617	-0.0099	0.067791
3	32.172	32.429	32.844	0.22657	32.064	32.37	32.715	0.21772	-0.2227	-0.05851	0.0302	0.08337
10	32.2	32.47	32.873	0.22585	32.098	32.527	32.931	0.29685	-0.1557	0.05758	0.2758	0.14781
30	32.065	32.317	32.65	0.18199	32.017	32.341	32.666	0.22677	-0.1528	0.02347	0.2334	0.12628
50	32.083	32.261	32.504	0.11481	32.113	32.204	32.492	0.11425	-0.1304	-0.05787	0.0461	0.06245
100	32.167	32.315	32.702	0.20805	31.85	32.32	32.801	0.28778	-0.8523	0.00511	0.4827	0.40473

Device Test: 24.39 _TIMING|MINON/FAULT/4.5//511k//@T_FAULT_MIN





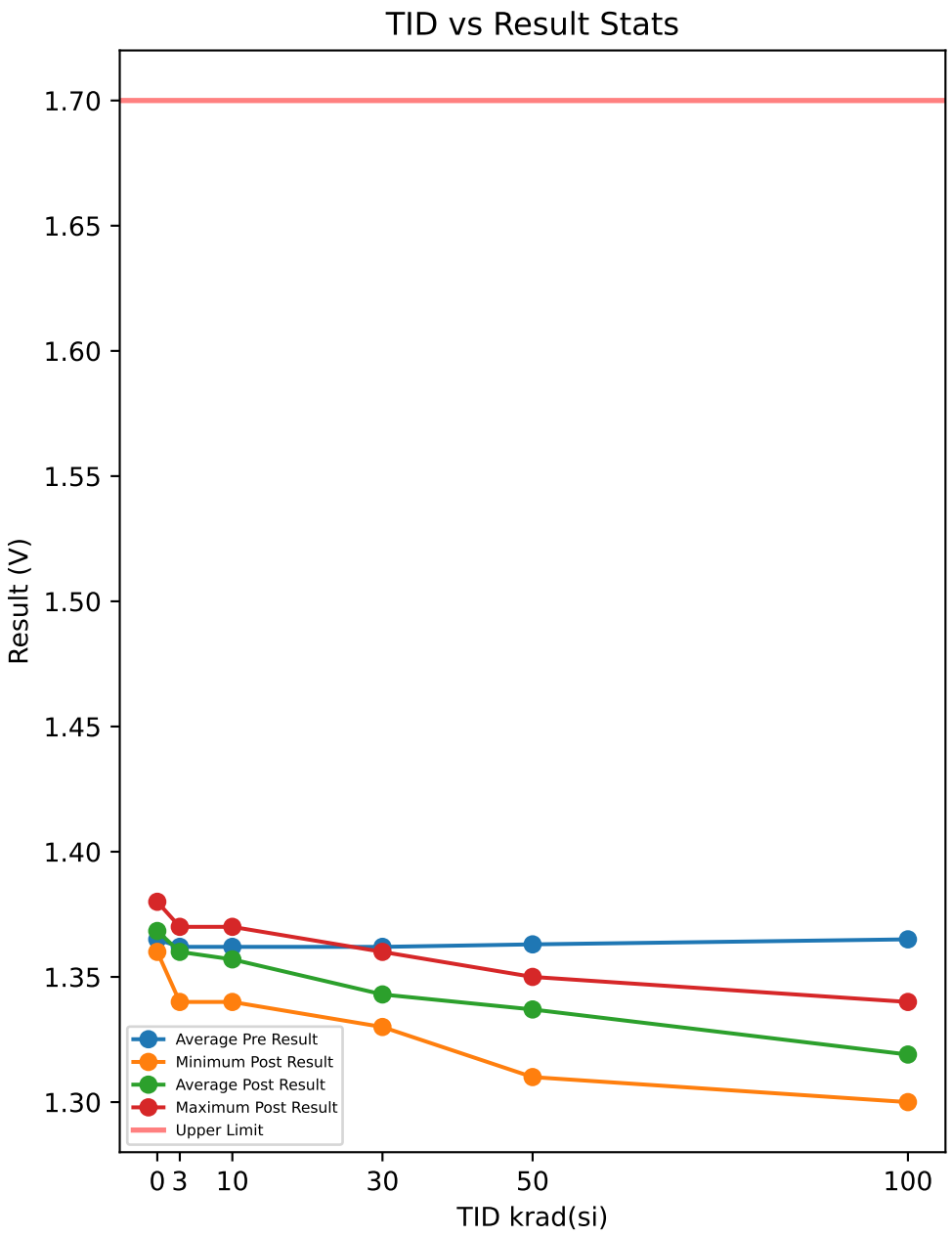
Test Results (Lower Limit = 0.4, Upper Limit = 1.4 (µs))

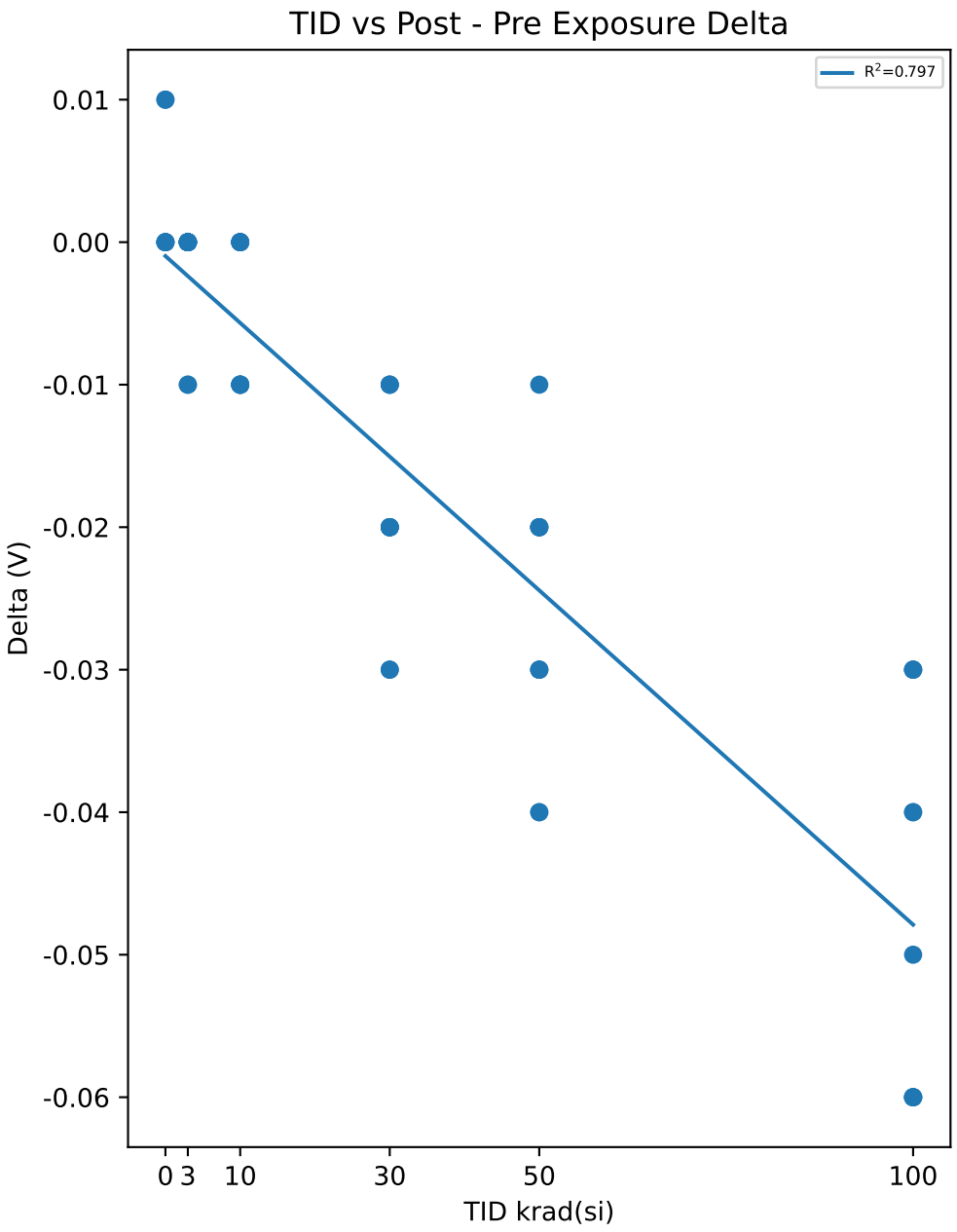
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	LDR Biased	0.95	0.95	0
2	3	LDR Biased	0.95	0.95	0
3	3	LDR Biased	0.95	0.95	0
4	3	LDR Biased	0.95	0.95	0
5	3	LDR Biased	0.9	0.9	0
6	10	LDR Biased	0.95	0.95	0
7	10	LDR Biased	0.95	0.95	0
8	10	LDR Biased	0.95	0.95	0
9	10	LDR Biased	0.95	0.95	0
10	10	LDR Biased	0.95	0.95	0
11	30	LDR Biased	0.95	0.95	0
12	30	LDR Biased	0.95	0.95	0
13	30	LDR Biased	0.9	0.95	0.05
14	30	LDR Biased	0.95	0.95	0
15	30	LDR Biased	0.9	0.9	0
16	50	LDR Biased	0.95	0.95	0
17	50	LDR Biased	0.95	0.95	0
18	50	LDR Biased	0.95	0.95	0
19	50	LDR Biased	0.95	0.95	0
20	50	LDR Biased	0.9	0.95	0.05
21	100	LDR Biased	0.95	0.95	0
22	100	LDR Biased	0.9	0.95	0.05
23	100	LDR Biased	0.9	0.95	0.05
24	100	LDR Biased	0.95	0.95	0
25	100	LDR Biased	0.95	0.95	0
26	3	LDR Unbiased	0.95	0.95	0
27	3	LDR Unbiased	0.95	1	0.05
28	3	LDR Unbiased	0.95	0.95	0
29	3	LDR Unbiased	0.95	0.95	0
30	3	LDR Unbiased	0.95	0.95	0
31	10	LDR Unbiased	0.95	0.95	0
32	10	LDR Unbiased	0.95	0.95	0
33	10	LDR Unbiased	0.95	0.95	0
34	10	LDR Unbiased	0.95	0.95	0
35	10	LDR Unbiased	0.9	0.95	0.05
36	30	LDR Unbiased	0.95	0.95	0
37	30	LDR Unbiased	0.9	0.95	0.05
38	30	LDR Unbiased	0.95	0.95	0
39	30	LDR Unbiased	0.95	0.95	0
40	30	LDR Unbiased	0.95	0.95	0
41	50	LDR Unbiased	0.9	0.95	0.05
42	50	LDR Unbiased	0.95	0.95	0
43	50	LDR Unbiased	0.95	0.95	0
44	50	LDR Unbiased	0.9	0.95	0.05
45	50	LDR Unbiased	0.95	0.95	0
46	100	LDR Unbiased	0.95	0.95	0
47	100	LDR Unbiased	0.95	1	0.05
48	100	LDR Unbiased	0.9	0.95	0.05
49	100	LDR Unbiased	0.95	0.95	0
50	100	LDR Unbiased	0.9	0.95	0.05
60	0	Correlation	0.9	0.9	0
61	0	Correlation	0.95	0.95	0
62	0	Correlation	0.95	0.95	0
63	0	Correlation	0.95	0.95	0
64	0	Correlation	0.95	0.95	0
65	0	Correlation	0.95	0.95	0

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	0.9	0.94167	0.95	0.020412	0.9	0.94167	0.95	0.020412	0	0	0	0
3	0.9	0.945	0.95	0.015811	0.9	0.95	1	0.02357	0	0.005	0.05	0.015811
10	0.9	0.945	0.95	0.015811	0.95	0.95	0.95	0	0	0.005	0.05	0.015811
30	0.9	0.935	0.95	0.024152	0.9	0.945	0.95	0.015811	0	0.01	0.05	0.021082
50	0.9	0.935	0.95	0.024152	0.95	0.95	0.95	0	0	0.015	0.05	0.024152
100	0.9	0.93	0.95	0.02582	0.95	0.955	1	0.015811	0	0.025	0.05	0.026352

Device Test: 24.4 _THRESHOLD|RISE/SYNC1/4.5//OPEN//@SYNC1_VIH





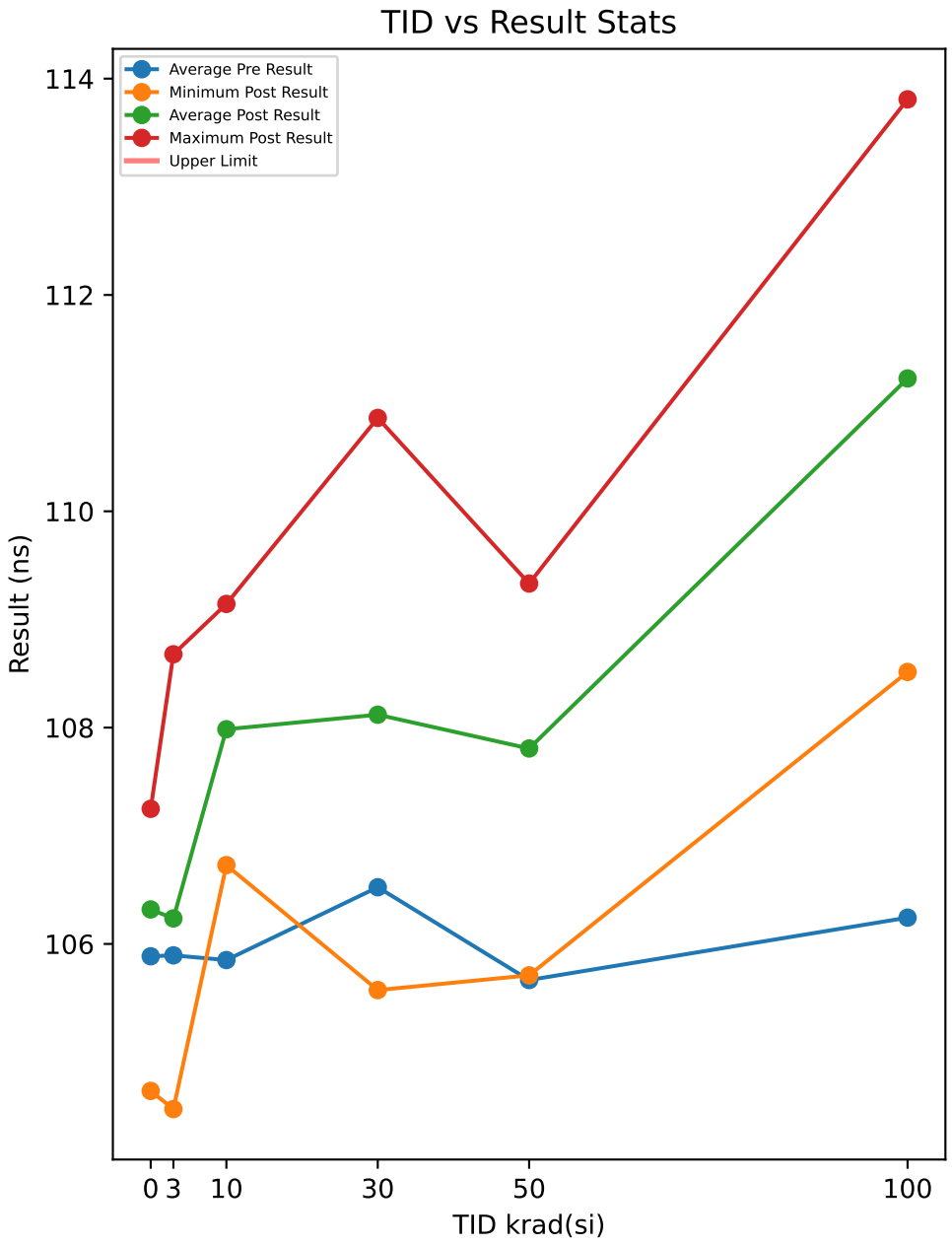
Test Results (Upper Limit = 1.7 (V))

Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	LDR Biased	1.37	1.37	0
2	3	LDR Biased	1.35	1.34	-0.01
3	3	LDR Biased	1.35	1.35	0
4	3	LDR Biased	1.37	1.37	0
5	3	LDR Biased	1.37	1.37	0
6	10	LDR Biased	1.36	1.36	0
7	10	LDR Biased	1.37	1.37	0
8	10	LDR Biased	1.37	1.36	-0.01
9	10	LDR Biased	1.35	1.35	0
10	10	LDR Biased	1.35	1.34	-0.01
11	30	LDR Biased	1.36	1.35	-0.01
12	30	LDR Biased	1.36	1.34	-0.02
13	30	LDR Biased	1.36	1.35	-0.01
14	30	LDR Biased	1.37	1.36	-0.01
15	30	LDR Biased	1.37	1.35	-0.02
16	50	LDR Biased	1.36	1.35	-0.01
17	50	LDR Biased	1.37	1.35	-0.02
18	50	LDR Biased	1.35	1.33	-0.02
19	50	LDR Biased	1.36	1.34	-0.02
20	50	LDR Biased	1.37	1.35	-0.02
21	100	LDR Biased	1.35	1.32	-0.03
22	100	LDR Biased	1.36	1.33	-0.03
23	100	LDR Biased	1.37	1.33	-0.04
24	100	LDR Biased	1.36	1.33	-0.03
25	100	LDR Biased	1.38	1.34	-0.04
26	3	LDR Unbiased	1.38	1.37	-0.01
27	3	LDR Unbiased	1.35	1.35	0
28	3	LDR Unbiased	1.35	1.35	0
29	3	LDR Unbiased	1.36	1.36	0
30	3	LDR Unbiased	1.37	1.37	0
31	10	LDR Unbiased	1.37	1.36	-0.01
32	10	LDR Unbiased	1.37	1.37	0
33	10	LDR Unbiased	1.35	1.35	0
34	10	LDR Unbiased	1.36	1.35	-0.01
35	10	LDR Unbiased	1.37	1.36	-0.01
36	30	LDR Unbiased	1.35	1.33	-0.02
37	30	LDR Unbiased	1.37	1.34	-0.03
38	30	LDR Unbiased	1.36	1.34	-0.02
39	30	LDR Unbiased	1.36	1.34	-0.02
40	30	LDR Unbiased	1.36	1.33	-0.03
41	50	LDR Unbiased	1.37	1.34	-0.03
42	50	LDR Unbiased	1.34	1.31	-0.03
43	50	LDR Unbiased	1.37	1.33	-0.04
44	50	LDR Unbiased	1.37	1.34	-0.03
45	50	LDR Unbiased	1.37	1.33	-0.04
46	100	LDR Unbiased	1.36	1.3	-0.06
47	100	LDR Unbiased	1.37	1.31	-0.06
48	100	LDR Unbiased	1.36	1.31	-0.05
49	100	LDR Unbiased	1.37	1.31	-0.06
50	100	LDR Unbiased	1.37	1.31	-0.06
60	0	Correlation	1.37	1.38	0.01
61	0	Correlation	1.36	1.36	0
62	0	Correlation	1.36	1.36	0
63	0	Correlation	1.37	1.37	0
64	0	Correlation	1.36	1.37	0.01
65	0	Correlation	1.37	1.37	0

Test Statistics (V)

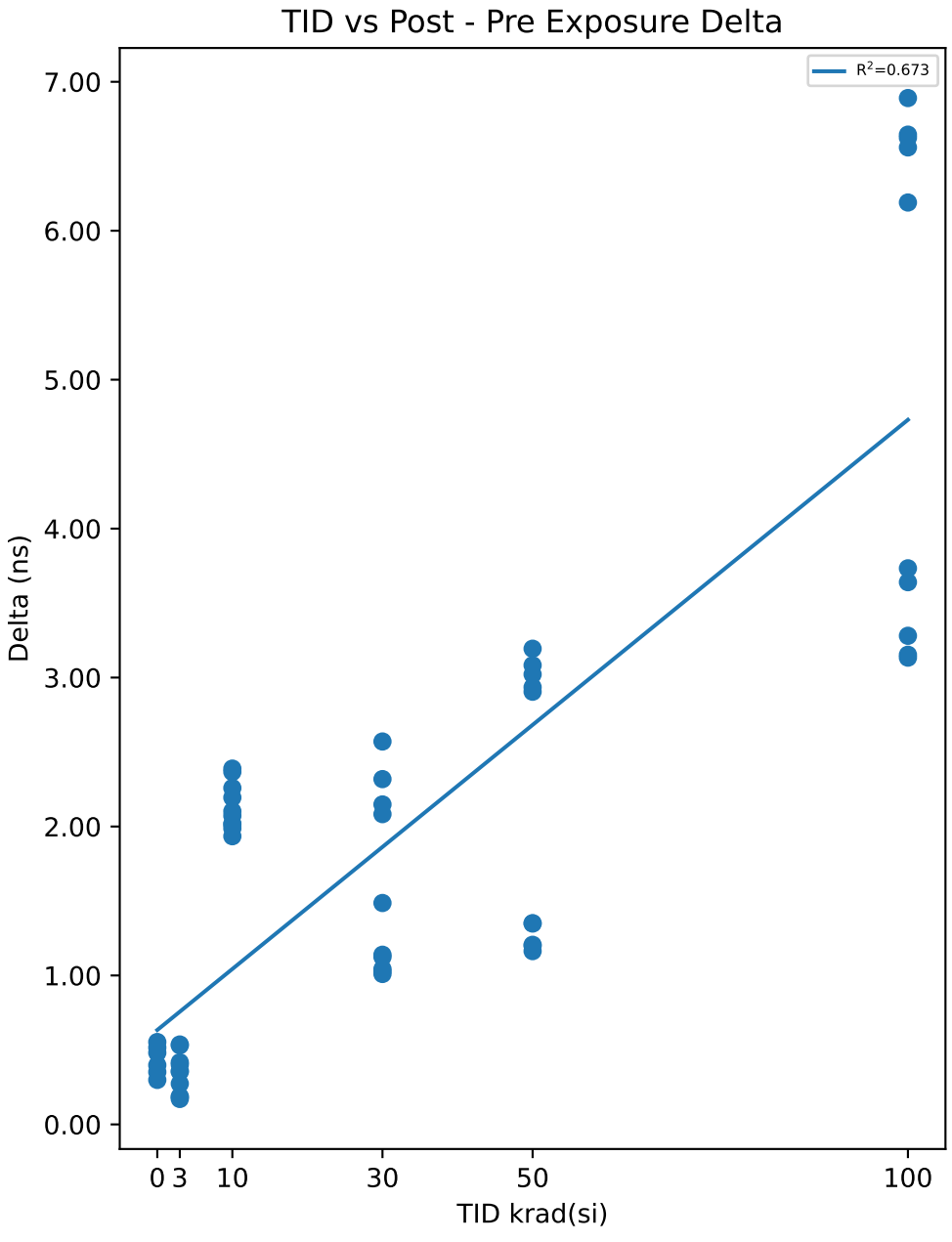
krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	1.36	1.365	1.37	0.0054772	1.36	1.3683	1.38	0.0075277	0	0.0033333	0.01	0.005164
3	1.35	1.362	1.38	0.011353	1.34	1.36	1.37	0.011547	-0.01	-0.002	0	0.0042164
10	1.35	1.362	1.37	0.0091894	1.34	1.357	1.37	0.0094868	-0.01	-0.005	0	0.0052705
30	1.35	1.362	1.37	0.0063246	1.33	1.343	1.36	0.0094868	-0.03	-0.019	-0.01	0.0073786
50	1.34	1.363	1.37	0.010593	1.31	1.337	1.35	0.012517	-0.04	-0.026	-0.01	0.0096609
100	1.35	1.365	1.38	0.0084984	1.3	1.319	1.34	0.012867	-0.06	-0.046	-0.03	0.013499

Device Test: 24.40 _TIMING|DELAY/SW/4.5//511k//@T_DEAD



Test Results (No Limits Specified (ns))

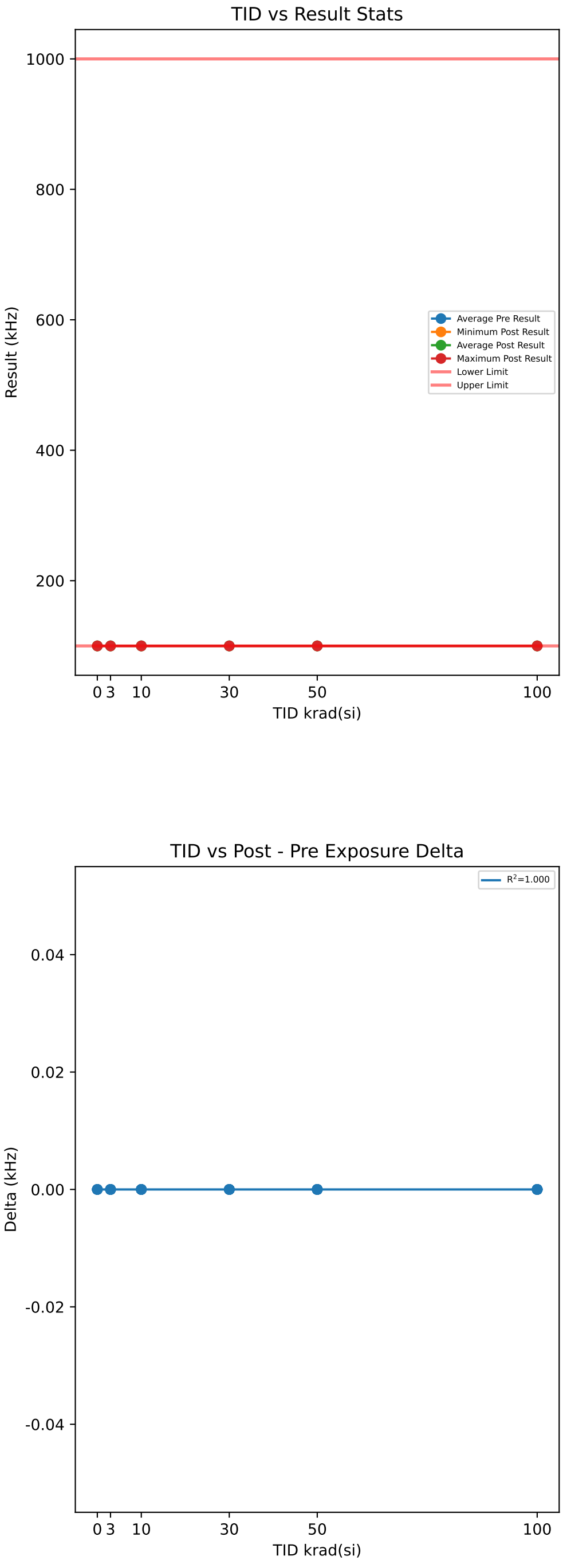
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	LDR Biased	108.15	108.68	0.5311
2	3	LDR Biased	106	106.18	0.1838
3	3	LDR Biased	104.87	105.04	0.1709
4	3	LDR Biased	106.29	106.7	0.4022
5	3	LDR Biased	107.13	107.55	0.4169
6	10	LDR Biased	105.25	107.44	2.1947
7	10	LDR Biased	106.41	108.42	2.0136
8	10	LDR Biased	105.71	107.78	2.0723
9	10	LDR Biased	105.47	107.83	2.3666
10	10	LDR Biased	105.94	108.2	2.2586
11	30	LDR Biased	105.96	108.11	2.1482
12	30	LDR Biased	107.08	108.56	1.4865
13	30	LDR Biased	107.1	109.18	2.0832
14	30	LDR Biased	106.48	108.8	2.3183
15	30	LDR Biased	108.29	110.86	2.5708
16	50	LDR Biased	105.83	108.74	2.905
17	50	LDR Biased	105.47	108.56	3.0827
18	50	LDR Biased	102.77	105.71	2.9352
19	50	LDR Biased	106.31	109.33	3.0215
20	50	LDR Biased	105.88	109.08	3.1937
21	100	LDR Biased	105.57	111.76	6.1895
22	100	LDR Biased	106.58	113.14	6.5595
23	100	LDR Biased	106.92	113.81	6.8909
24	100	LDR Biased	105.6	112.24	6.6452
25	100	LDR Biased	106.39	113.01	6.6247
26	3	LDR Unbiased	107.57	107.93	0.3554
27	3	LDR Unbiased	104.36	104.63	0.2735
28	3	LDR Unbiased	104.12	104.47	0.3561
29	3	LDR Unbiased	104.77	105.3	0.5365
30	3	LDR Unbiased	105.69	105.88	0.1874
31	10	LDR Unbiased	105.71	107.7	1.9874
32	10	LDR Unbiased	107.21	109.14	1.9349
33	10	LDR Unbiased	105.52	107.54	2.0193
34	10	LDR Unbiased	104.63	106.73	2.1026
35	10	LDR Unbiased	106.66	109.05	2.3888
36	30	LDR Unbiased	104.56	105.57	1.01
37	30	LDR Unbiased	107.39	108.43	1.0437
38	30	LDR Unbiased	105.86	106.89	1.0276
39	30	LDR Unbiased	106.64	107.77	1.1243
40	30	LDR Unbiased	105.88	107.02	1.1392
41	50	LDR Unbiased	106.86	108.06	1.2001
42	50	LDR Unbiased	105.41	106.58	1.1634
43	50	LDR Unbiased	106.1	107.45	1.3488
44	50	LDR Unbiased	106.54	107.89	1.351
45	50	LDR Unbiased	105.46	106.67	1.2058
46	100	LDR Unbiased	105.65	108.81	3.1533
47	100	LDR Unbiased	105.38	108.51	3.1339
48	100	LDR Unbiased	106.78	110.06	3.2805
49	100	LDR Unbiased	106.91	110.55	3.6405
50	100	LDR Unbiased	106.66	110.39	3.7335
60	0	Correlation	106.56	106.91	0.3517
61	0	Correlation	105.61	106.13	0.5158
62	0	Correlation	104.34	104.64	0.2988
63	0	Correlation	106.47	106.87	0.3979
64	0	Correlation	105.56	106.11	0.553
65	0	Correlation	106.77	107.25	0.4812



Test Statistics (ns)

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	104.34	105.89	106.77	0.91032	104.64	106.32	107.25	0.93991	0.2988	0.43307	0.553	0.099429
3	104.12	105.89	108.15	1.393	104.47	106.24	108.68	1.4477	0.1709	0.34138	0.5365	0.13585
10	104.63	105.85	107.21	0.74376	106.73	107.98	109.14	0.74011	1.9349	2.1339	2.3888	0.16049
30	104.56	106.52	108.29	1.0297	105.57	108.12	110.86	1.4432	1.01	1.5952	2.5708	0.61724
50	102.77	105.67	106.86	1.1245	105.71	107.81	109.33	1.1911	1.1634	2.1407	3.1937	0.93998
100	105.38	106.24	106.92	0.61997	108.51	111.23	113.81	1.842	3.1339	4.9852	6.8909	1.7019

Device Test: 24.41 _FREQ|100kHz/SYNC1/5//OPEN//@SYNC_FREQ_RANGE



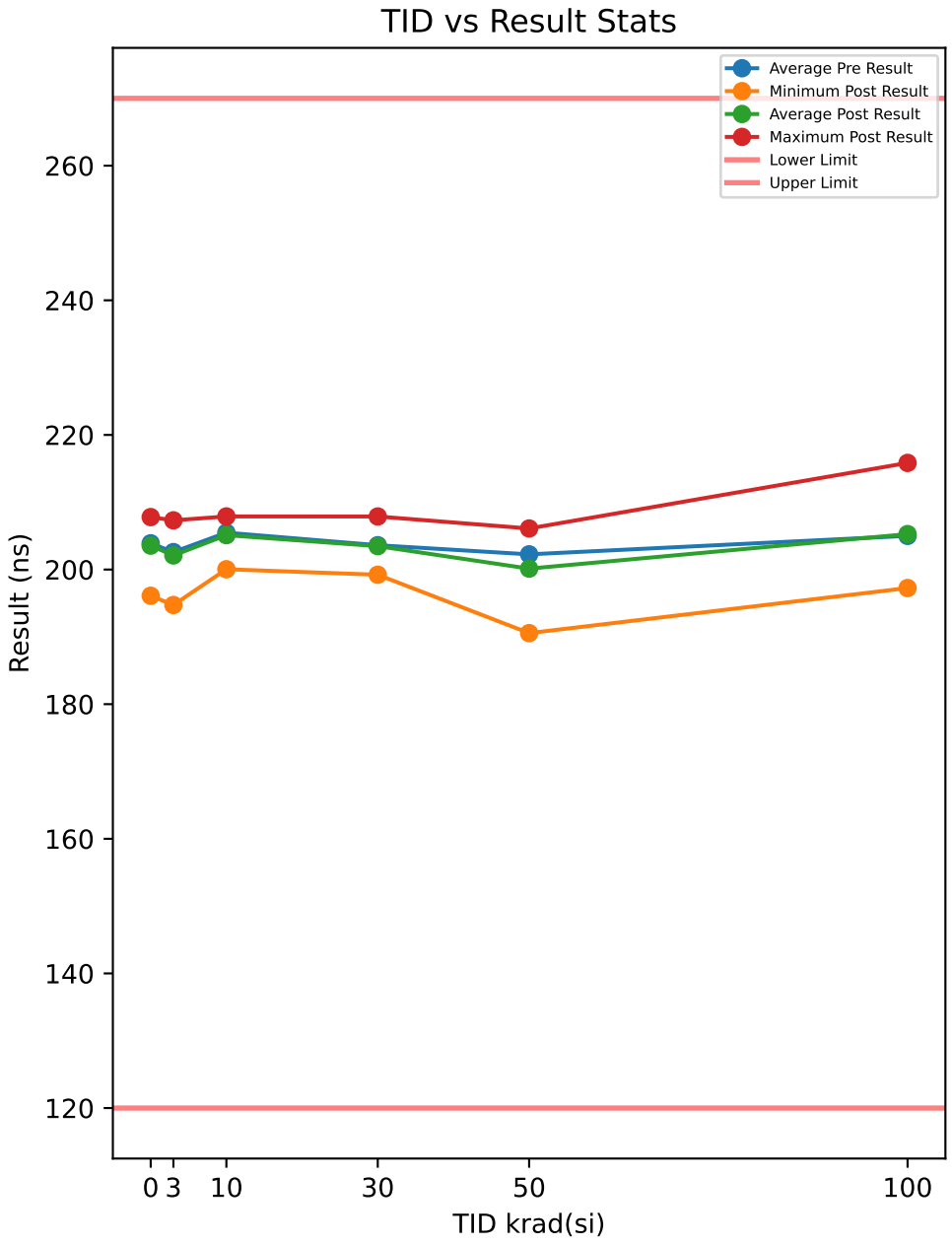
Test Results (Lower Limit = 100.0, Upper Limit = 1000.0 (kHz))

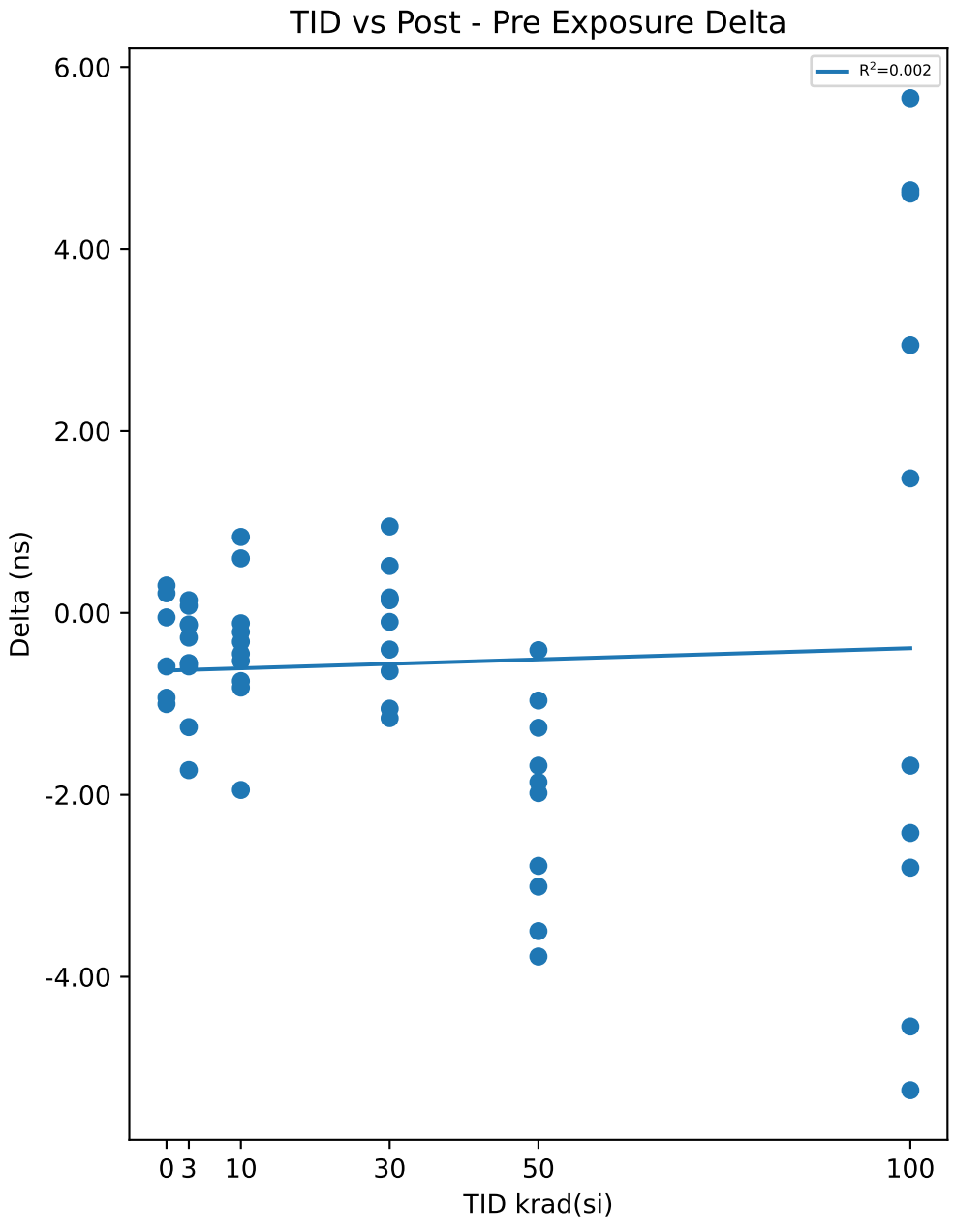
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	LDR Biased	100	100	0
2	3	LDR Biased	100	100	0
3	3	LDR Biased	100	100	0
4	3	LDR Biased	100	100	0
5	3	LDR Biased	100	100	0
6	10	LDR Biased	100	100	0
7	10	LDR Biased	100	100	0
8	10	LDR Biased	100	100	0
9	10	LDR Biased	100	100	0
10	10	LDR Biased	100	100	0
11	30	LDR Biased	100	100	0
12	30	LDR Biased	100	100	0
13	30	LDR Biased	100	100	0
14	30	LDR Biased	100	100	0
15	30	LDR Biased	100	100	0
16	50	LDR Biased	100	100	0
17	50	LDR Biased	100	100	0
18	50	LDR Biased	100	100	0
19	50	LDR Biased	100	100	0
20	50	LDR Biased	100	100	0
21	100	LDR Biased	100	100	0
22	100	LDR Biased	100	100	0
23	100	LDR Biased	100	100	0
24	100	LDR Biased	100	100	0
25	100	LDR Biased	100	100	0
26	3	LDR Unbiased	100	100	0
27	3	LDR Unbiased	100	100	0
28	3	LDR Unbiased	100	100	0
29	3	LDR Unbiased	100	100	0
30	3	LDR Unbiased	100	100	0
31	10	LDR Unbiased	100	100	0
32	10	LDR Unbiased	100	100	0
33	10	LDR Unbiased	100	100	0
34	10	LDR Unbiased	100	100	0
35	10	LDR Unbiased	100	100	0
36	30	LDR Unbiased	100	100	0
37	30	LDR Unbiased	100	100	0
38	30	LDR Unbiased	100	100	0
39	30	LDR Unbiased	100	100	0
40	30	LDR Unbiased	100	100	0
41	50	LDR Unbiased	100	100	0
42	50	LDR Unbiased	100	100	0
43	50	LDR Unbiased	100	100	0
44	50	LDR Unbiased	100	100	0
45	50	LDR Unbiased	100	100	0
46	100	LDR Unbiased	100	100	0
47	100	LDR Unbiased	100	100	0
48	100	LDR Unbiased	100	100	0
49	100	LDR Unbiased	100	100	0
50	100	LDR Unbiased	100	100	0
60	0	Correlation	100	100	0
61	0	Correlation	100	100	0
62	0	Correlation	100	100	0
63	0	Correlation	100	100	0
64	0	Correlation	100	100	0
65	0	Correlation	100	100	0

Test Statistics (kHz)

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

Device Test: 24.42 _TIMING|DELAY/SYNC1/5//OPEN//@SYNC1_SW_DELAY





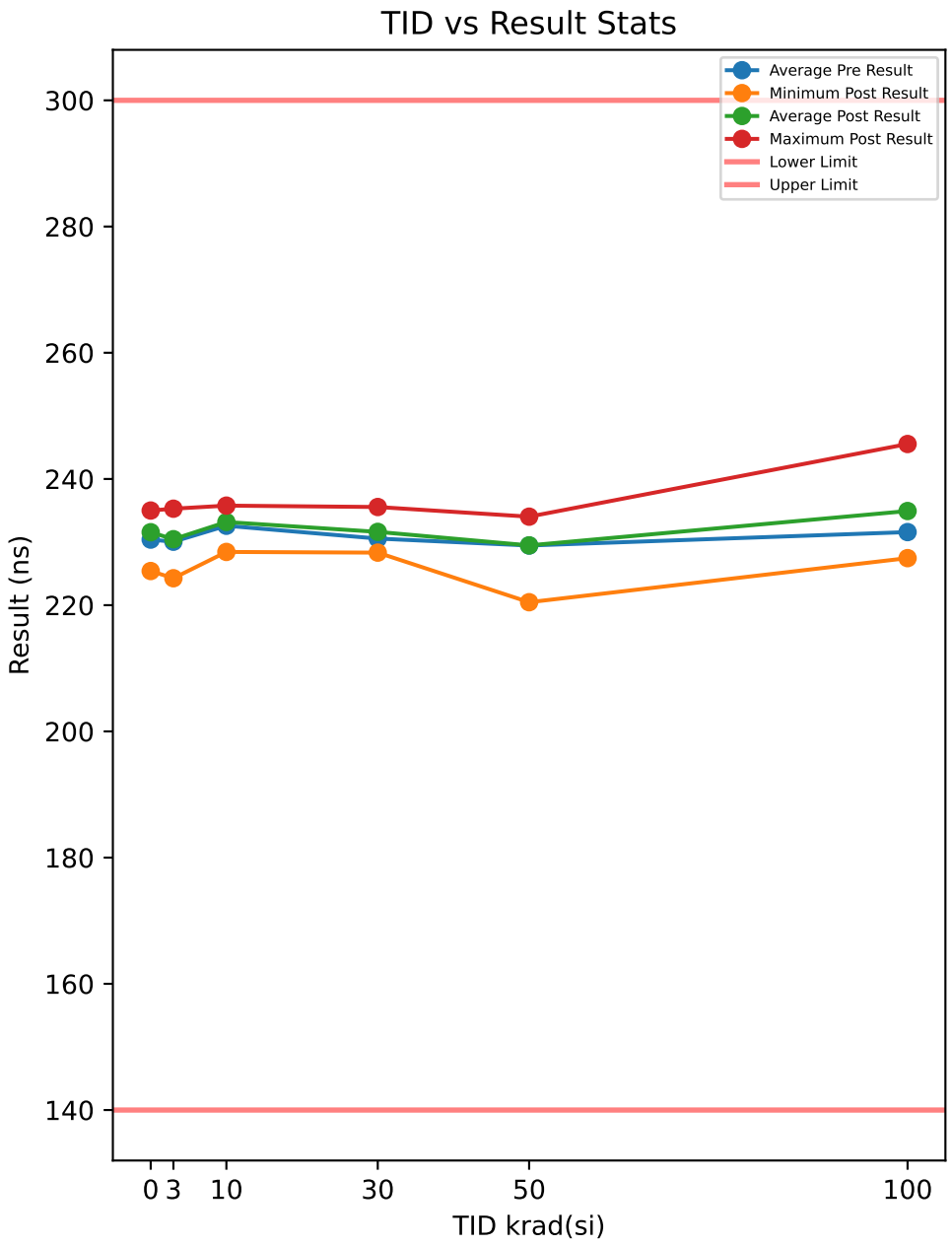
Test Results (Lower Limit = 120.0, Upper Limit = 270.0 (ns))

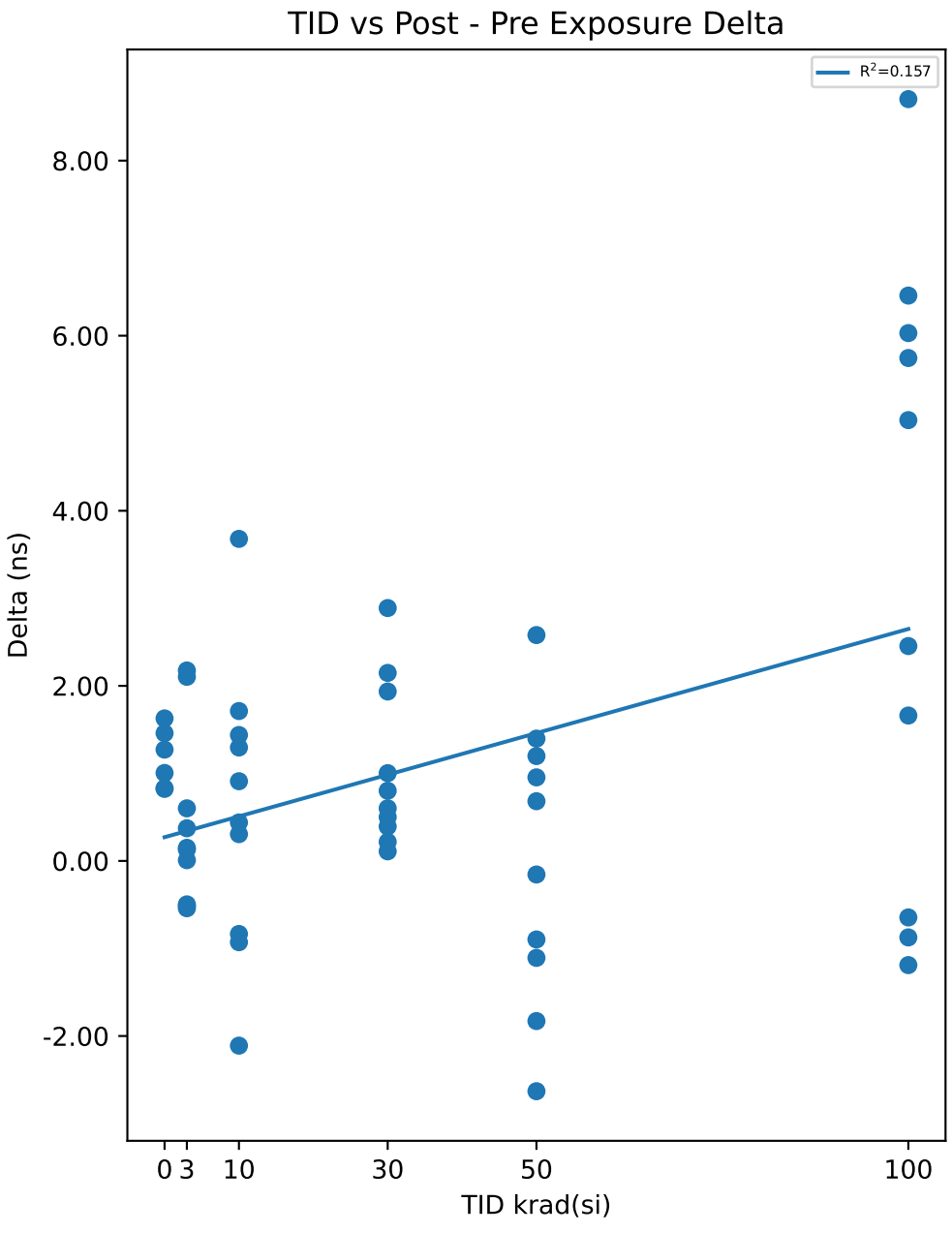
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	LDR Biased	208.56	207.31	-1.2561
2	3	LDR Biased	204.68	204.12	-0.5596
3	3	LDR Biased	196.46	194.73	-1.7287
4	3	LDR Biased	207.78	207.19	-0.588
5	3	LDR Biased	198.82	198.27	-0.552
6	10	LDR Biased	208.01	207.89	-0.1144
7	10	LDR Biased	207.53	207	-0.5277
8	10	LDR Biased	202.45	201.7	-0.7497
9	10	LDR Biased	206.44	205.99	-0.4494
10	10	LDR Biased	208.51	207.69	-0.8215
11	30	LDR Biased	204.03	202.97	-1.0531
12	30	LDR Biased	204.04	204.19	0.1559
13	30	LDR Biased	201.28	200.64	-0.6398
14	30	LDR Biased	202.65	202.81	0.1692
15	30	LDR Biased	207.37	207.88	0.5157
16	50	LDR Biased	199.8	199.39	-0.4101
17	50	LDR Biased	202.45	201.18	-1.263
18	50	LDR Biased	191.52	190.56	-0.9634
19	50	LDR Biased	203.2	201.34	-1.86
20	50	LDR Biased	202.11	200.13	-1.9813
21	100	LDR Biased	208.87	211.81	2.9436
22	100	LDR Biased	211.2	215.84	4.645
23	100	LDR Biased	202.15	206.76	4.6085
24	100	LDR Biased	205.64	207.12	1.4786
25	100	LDR Biased	198.41	204.07	5.6583
26	3	LDR Unbiased	201.16	200.89	-0.2718
27	3	LDR Unbiased	205.33	205.21	-0.1276
28	3	LDR Unbiased	200.83	200.97	0.139
29	3	LDR Unbiased	201.19	201.27	0.0782
30	3	LDR Unbiased	201.14	201.01	-0.1355
31	10	LDR Unbiased	206.05	206.89	0.8347
32	10	LDR Unbiased	209.28	207.34	-1.947
33	10	LDR Unbiased	201.41	201.09	-0.3175
34	10	LDR Unbiased	200.26	200.05	-0.2109
35	10	LDR Unbiased	204.85	205.45	0.5997
36	30	LDR Unbiased	200.39	199.23	-1.1574
37	30	LDR Unbiased	205.28	205.42	0.1391
38	30	LDR Unbiased	204.09	203.68	-0.4033
39	30	LDR Unbiased	205.79	206.74	0.9498
40	30	LDR Unbiased	201.26	201.16	-0.0993
41	50	LDR Unbiased	209.88	206.1	-3.7773
42	50	LDR Unbiased	205.93	202.92	-3.0091
43	50	LDR Unbiased	204.03	200.53	-3.4985
44	50	LDR Unbiased	203.02	200.24	-2.7811
45	50	LDR Unbiased	200.63	198.95	-1.68
46	100	LDR Unbiased	204.05	201.25	-2.8009
47	100	LDR Unbiased	206.94	205.26	-1.6799
48	100	LDR Unbiased	207.79	202.54	-5.2473
49	100	LDR Unbiased	203.18	200.76	-2.4195
50	100	LDR Unbiased	201.8	197.25	-4.5467
60	0	Correlation	199.7	199.11	-0.5885
61	0	Correlation	197.11	196.1	-1.0023
62	0	Correlation	205.48	205.43	-0.0496
63	0	Correlation	208.72	207.79	-0.9327
64	0	Correlation	205.67	205.89	0.2148
65	0	Correlation	206.69	206.99	0.3012

Test Statistics (ns)

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	197.11	203.9	208.72	4.4829	196.1	203.55	207.79	4.7742	-1.0023	-0.34285	0.3012	0.57531
3	196.46	202.6	208.56	3.8792	194.73	202.09	207.31	3.9486	-1.7287	-0.50021	0.139	0.5927
10	200.26	205.48	209.28	3.1439	200.05	205.11	207.89	2.9899	-1.947	-0.37037	0.8347	0.77108
30	200.39	203.62	207.37	2.2241	199.23	203.47	207.88	2.719	-1.1574	-0.14232	0.9498	0.67233
50	191.52	202.26	209.88	4.717	190.56	200.14	206.1	3.9414	-3.7773	-2.1224	-0.4101	1.1131
100	198.41	205	211.2	3.8202	197.25	205.27	215.84	5.4756	-5.2473	0.26397	5.6583	4.0786

Device Test: 24.43 _TIMING|DELAY/SYNC1/5//OPEN//@SYNC1_SW_DELAY_INV





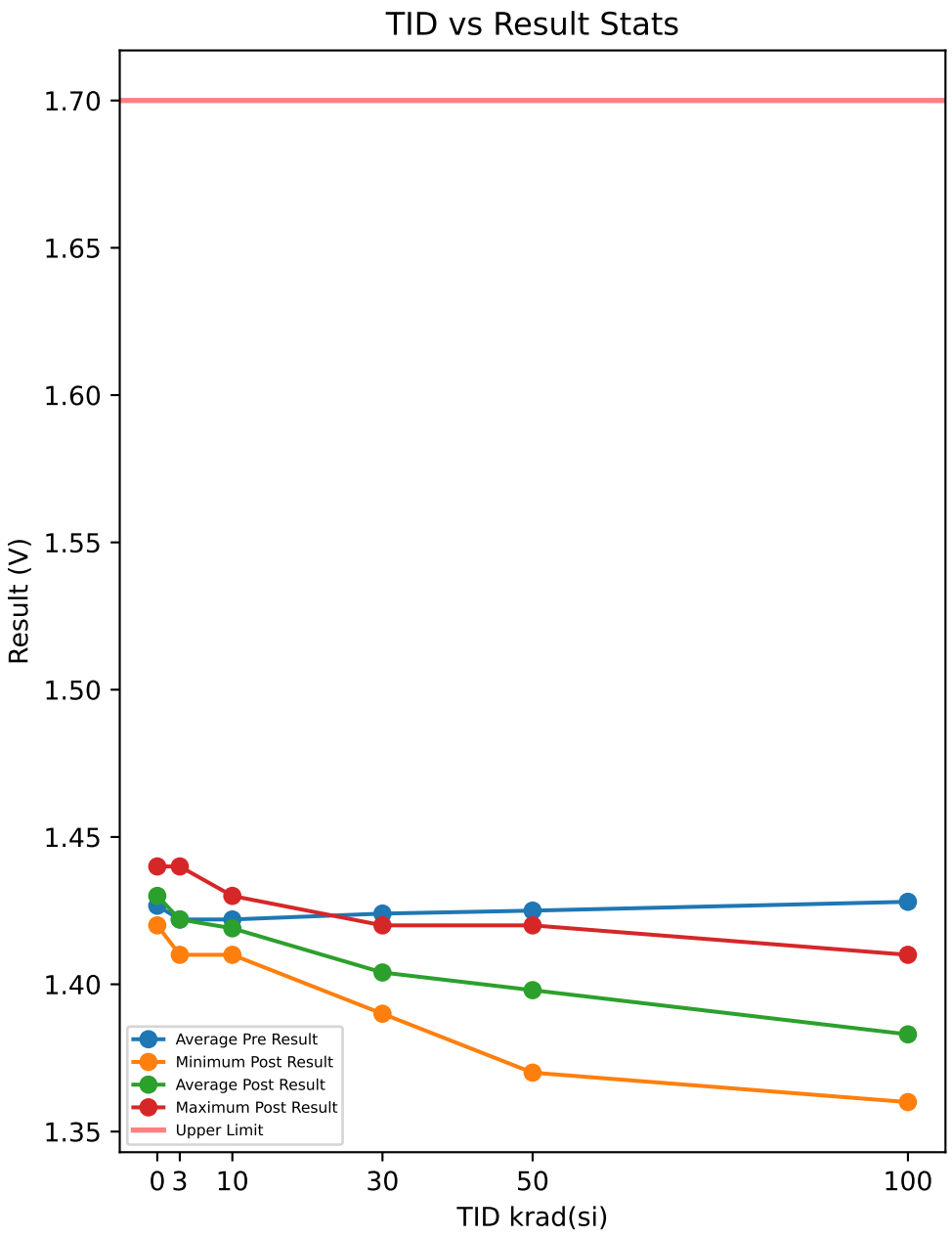
Test Results (Lower Limit = 140.0, Upper Limit = 300.0 (ns))

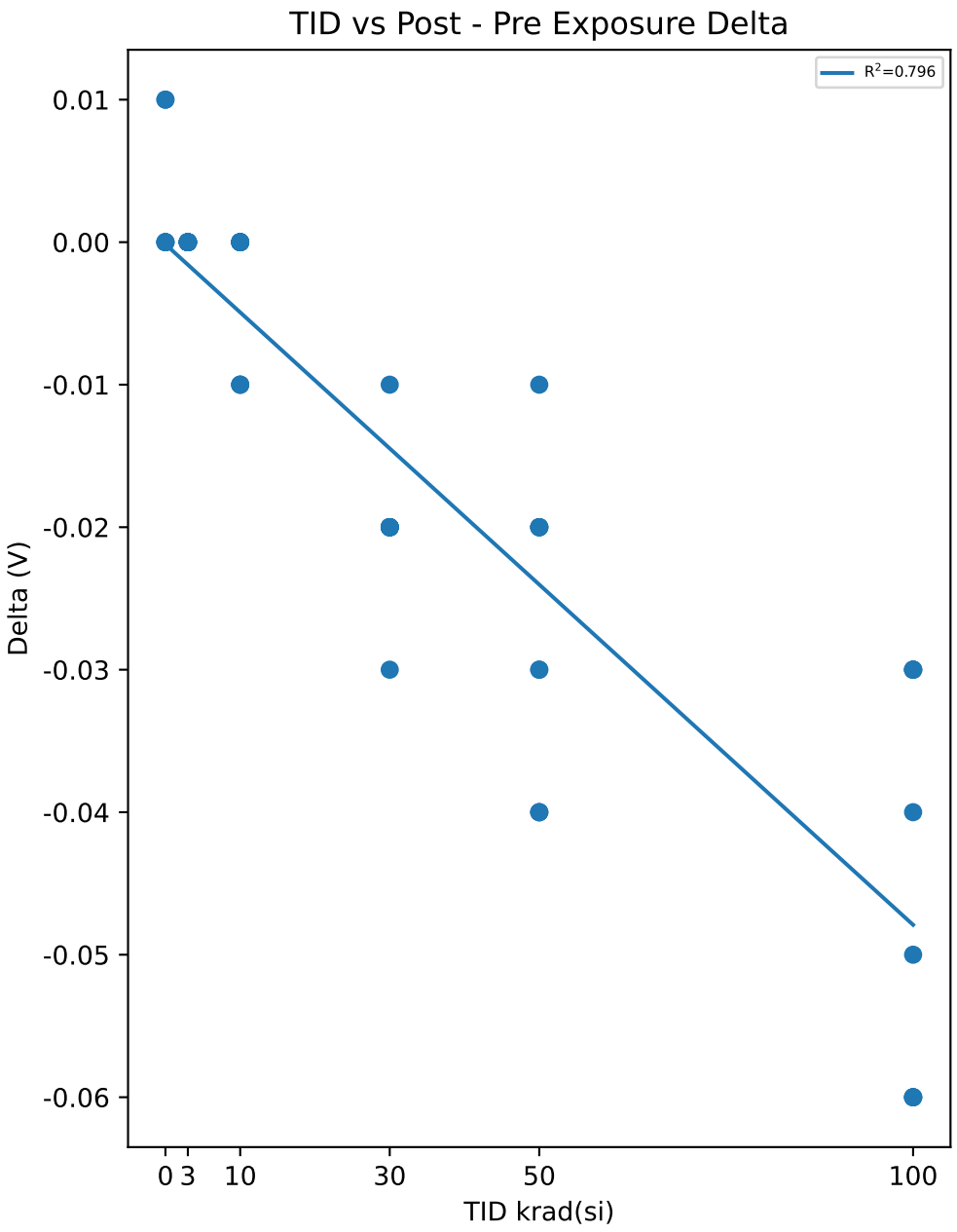
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	LDR Biased	235.81	235.29	-0.5176
2	3	LDR Biased	232.95	233.08	0.1306
3	3	LDR Biased	224.77	224.27	-0.4964
4	3	LDR Biased	235	235.01	0.0084
5	3	LDR Biased	225.11	227.29	2.1756
6	10	LDR Biased	234.06	235.78	1.7122
7	10	LDR Biased	235.17	234.33	-0.8345
8	10	LDR Biased	229.81	230.12	0.3062
9	10	LDR Biased	232.75	234.19	1.4385
10	10	LDR Biased	234.38	235.68	1.296
11	30	LDR Biased	230.34	231.34	1.0025
12	30	LDR Biased	232.09	232.3	0.2177
13	30	LDR Biased	227.83	228.33	0.5008
14	30	LDR Biased	229.34	230.14	0.8016
15	30	LDR Biased	232.61	235.5	2.8887
16	50	LDR Biased	227.41	228.81	1.3971
17	50	LDR Biased	230.3	230.14	-0.155
18	50	LDR Biased	219.79	220.47	0.6822
19	50	LDR Biased	228.56	231.14	2.5801
20	50	LDR Biased	227.81	228.76	0.9545
21	100	LDR Biased	235.52	240.56	5.0358
22	100	LDR Biased	239.08	245.54	6.4583
23	100	LDR Biased	230.72	236.46	5.745
24	100	LDR Biased	231.15	237.18	6.0298
25	100	LDR Biased	224.56	233.27	8.7026
26	3	LDR Unbiased	227.78	229.88	2.1034
27	3	LDR Unbiased	231.43	232.03	0.6007
28	3	LDR Unbiased	229.31	229.46	0.1495
29	3	LDR Unbiased	229.69	229.15	-0.5404
30	3	LDR Unbiased	228.72	229.09	0.373
31	10	LDR Unbiased	233.32	233.76	0.4392
32	10	LDR Unbiased	236.83	234.72	-2.1101
33	10	LDR Unbiased	227.3	230.98	3.6789
34	10	LDR Unbiased	229.37	228.44	-0.9285
35	10	LDR Unbiased	232.86	233.77	0.9105
36	30	LDR Unbiased	228.37	228.48	0.1098
37	30	LDR Unbiased	232.37	232.77	0.3937
38	30	LDR Unbiased	231.4	232	0.6013
39	30	LDR Unbiased	233.41	235.56	2.1478
40	30	LDR Unbiased	227.81	229.74	1.9355
41	50	LDR Unbiased	235.13	234.03	-1.1075
42	50	LDR Unbiased	235.54	233.71	-1.8292
43	50	LDR Unbiased	231.96	229.33	-2.6307
44	50	LDR Unbiased	230.26	229.36	-0.8973
45	50	LDR Unbiased	227.8	229	1.1982
46	100	LDR Unbiased	232.16	231.29	-0.8737
47	100	LDR Unbiased	232.6	235.05	2.4546
48	100	LDR Unbiased	233.42	232.23	-1.1901
49	100	LDR Unbiased	228.52	230.18	1.6609
50	100	LDR Unbiased	228.1	227.46	-0.6456
60	0	Correlation	225.57	227.03	1.4594
61	0	Correlation	223.78	225.41	1.6279
62	0	Correlation	232.62	233.89	1.2717
63	0	Correlation	233.88	234.71	0.8302
64	0	Correlation	232.52	233.34	0.8233
65	0	Correlation	233.99	235	1.0047

Test Statistics (ns)

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	223.78	230.39	233.99	4.5058	225.41	231.56	235	4.2108	0.8233	1.1695	1.6279	0.33668
3	224.77	230.06	235.81	3.7694	224.27	230.45	235.29	3.4426	-0.5404	0.39868	2.1756	0.9952
10	227.3	232.59	236.83	2.9202	228.44	233.18	235.78	2.4747	-2.1101	0.59084	3.6789	1.6279
30	227.81	230.56	233.41	2.1085	228.33	231.62	235.56	2.5593	0.1098	1.0599	2.8887	0.93947
50	219.79	229.46	235.54	4.4822	220.47	229.47	234.03	3.7144	-2.6307	0.01924	2.5801	1.6241
100	224.56	231.58	239.08	4.0584	227.46	234.92	245.54	5.3068	-1.1901	3.3378	8.7026	3.5299

Device Test: 24.44 _THRESHOLD|RISE/SYNC1/5//OPEN//@SYNC1_VIH





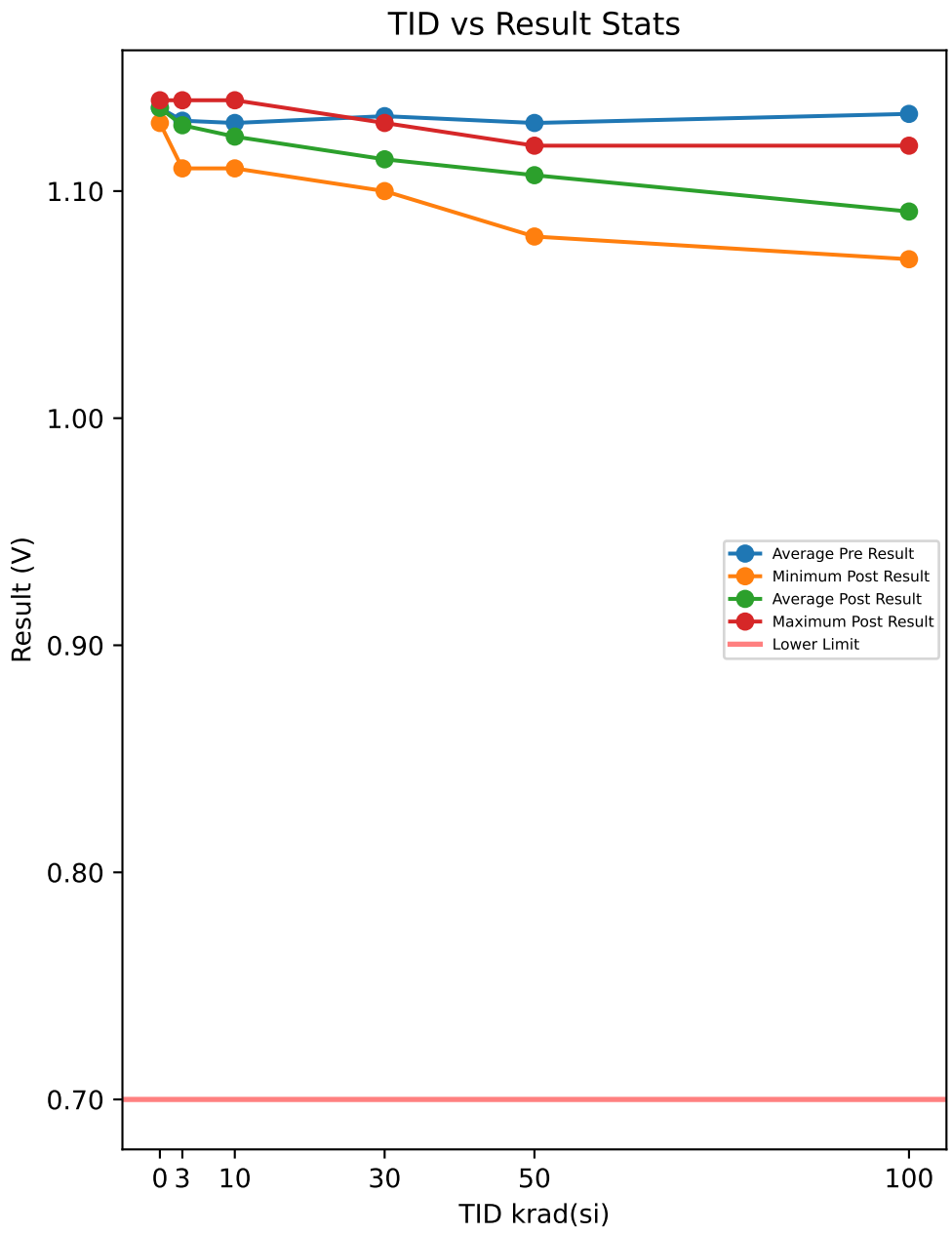
Test Results (Upper Limit = 1.7 (V))

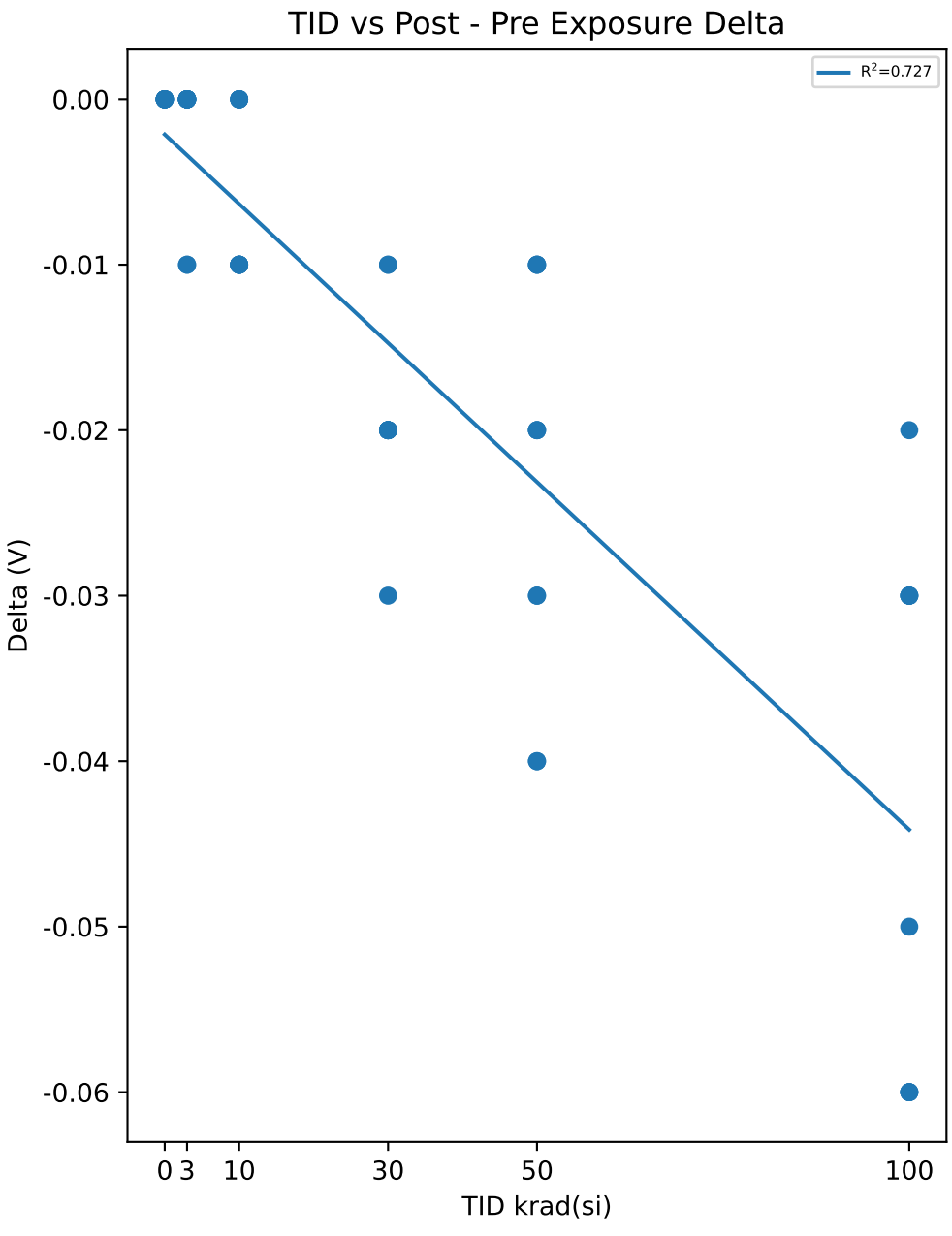
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	LDR Biased	1.43	1.43	0
2	3	LDR Biased	1.41	1.41	0
3	3	LDR Biased	1.41	1.41	0
4	3	LDR Biased	1.43	1.43	0
5	3	LDR Biased	1.43	1.43	0
6	10	LDR Biased	1.42	1.42	0
7	10	LDR Biased	1.43	1.43	0
8	10	LDR Biased	1.43	1.42	-0.01
9	10	LDR Biased	1.41	1.41	0
10	10	LDR Biased	1.41	1.41	0
11	30	LDR Biased	1.42	1.41	-0.01
12	30	LDR Biased	1.42	1.4	-0.02
13	30	LDR Biased	1.43	1.41	-0.02
14	30	LDR Biased	1.44	1.42	-0.02
15	30	LDR Biased	1.43	1.41	-0.02
16	50	LDR Biased	1.42	1.4	-0.02
17	50	LDR Biased	1.43	1.42	-0.01
18	50	LDR Biased	1.41	1.39	-0.02
19	50	LDR Biased	1.42	1.4	-0.02
20	50	LDR Biased	1.43	1.41	-0.02
21	100	LDR Biased	1.42	1.38	-0.04
22	100	LDR Biased	1.42	1.39	-0.03
23	100	LDR Biased	1.43	1.4	-0.03
24	100	LDR Biased	1.43	1.4	-0.03
25	100	LDR Biased	1.44	1.41	-0.03
26	3	LDR Unbiased	1.44	1.44	0
27	3	LDR Unbiased	1.41	1.41	0
28	3	LDR Unbiased	1.41	1.41	0
29	3	LDR Unbiased	1.42	1.42	0
30	3	LDR Unbiased	1.43	1.43	0
31	10	LDR Unbiased	1.43	1.42	-0.01
32	10	LDR Unbiased	1.43	1.43	0
33	10	LDR Unbiased	1.41	1.41	0
34	10	LDR Unbiased	1.42	1.41	-0.01
35	10	LDR Unbiased	1.43	1.43	0
36	30	LDR Unbiased	1.41	1.39	-0.02
37	30	LDR Unbiased	1.43	1.41	-0.02
38	30	LDR Unbiased	1.42	1.4	-0.02
39	30	LDR Unbiased	1.42	1.4	-0.02
40	30	LDR Unbiased	1.42	1.39	-0.03
41	50	LDR Unbiased	1.43	1.4	-0.03
42	50	LDR Unbiased	1.41	1.37	-0.04
43	50	LDR Unbiased	1.43	1.4	-0.03
44	50	LDR Unbiased	1.44	1.4	-0.04
45	50	LDR Unbiased	1.43	1.39	-0.04
46	100	LDR Unbiased	1.42	1.36	-0.06
47	100	LDR Unbiased	1.43	1.37	-0.06
48	100	LDR Unbiased	1.43	1.37	-0.06
49	100	LDR Unbiased	1.43	1.38	-0.05
50	100	LDR Unbiased	1.43	1.37	-0.06
60	0	Correlation	1.44	1.44	0
61	0	Correlation	1.42	1.43	0.01
62	0	Correlation	1.42	1.42	0
63	0	Correlation	1.43	1.43	0
64	0	Correlation	1.42	1.43	0.01
65	0	Correlation	1.43	1.43	0

Test Statistics (V)

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	1.42	1.4267	1.44	0.008165	1.42	1.43	1.44	0.0063246	0	0.0033333	0.01	0.005164
3	1.41	1.422	1.44	0.011353	1.41	1.422	1.44	0.011353	0	0	0	0
10	1.41	1.422	1.43	0.0091894	1.41	1.419	1.43	0.008756	-0.01	-0.003	0	0.0048305
30	1.41	1.424	1.44	0.0084327	1.39	1.404	1.42	0.0096609	-0.03	-0.02	-0.01	0.004714
50	1.41	1.425	1.44	0.0097183	1.37	1.398	1.42	0.013166	-0.04	-0.027	-0.01	0.010593
100	1.42	1.428	1.44	0.0063246	1.36	1.383	1.41	0.016364	-0.06	-0.045	-0.03	0.014337

Device Test: 24.45 _THRESHOLD|FALL/SYNC1/5//OPEN//@SYNC1_VIL





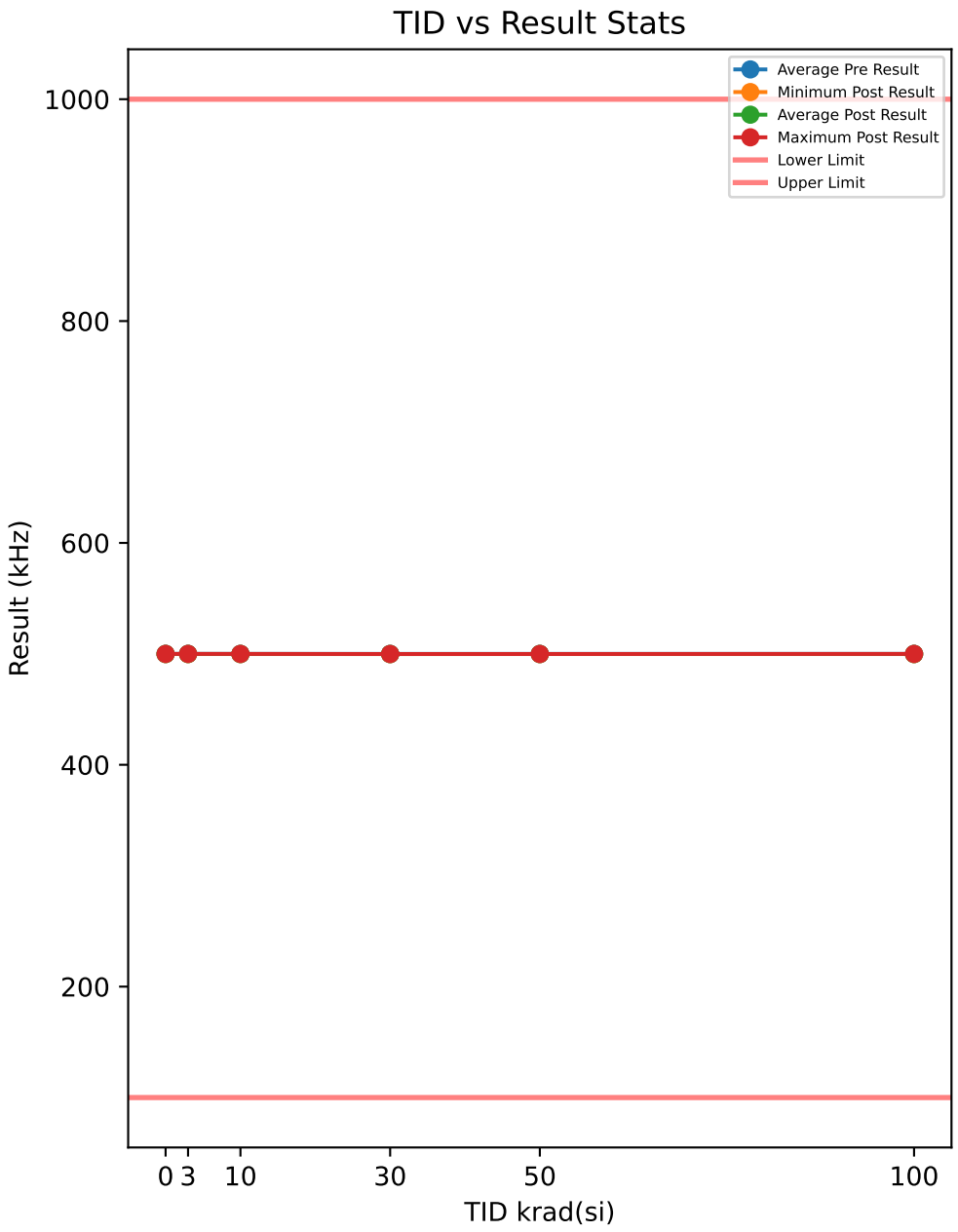
Test Results (Lower Limit = 0.7 (V))

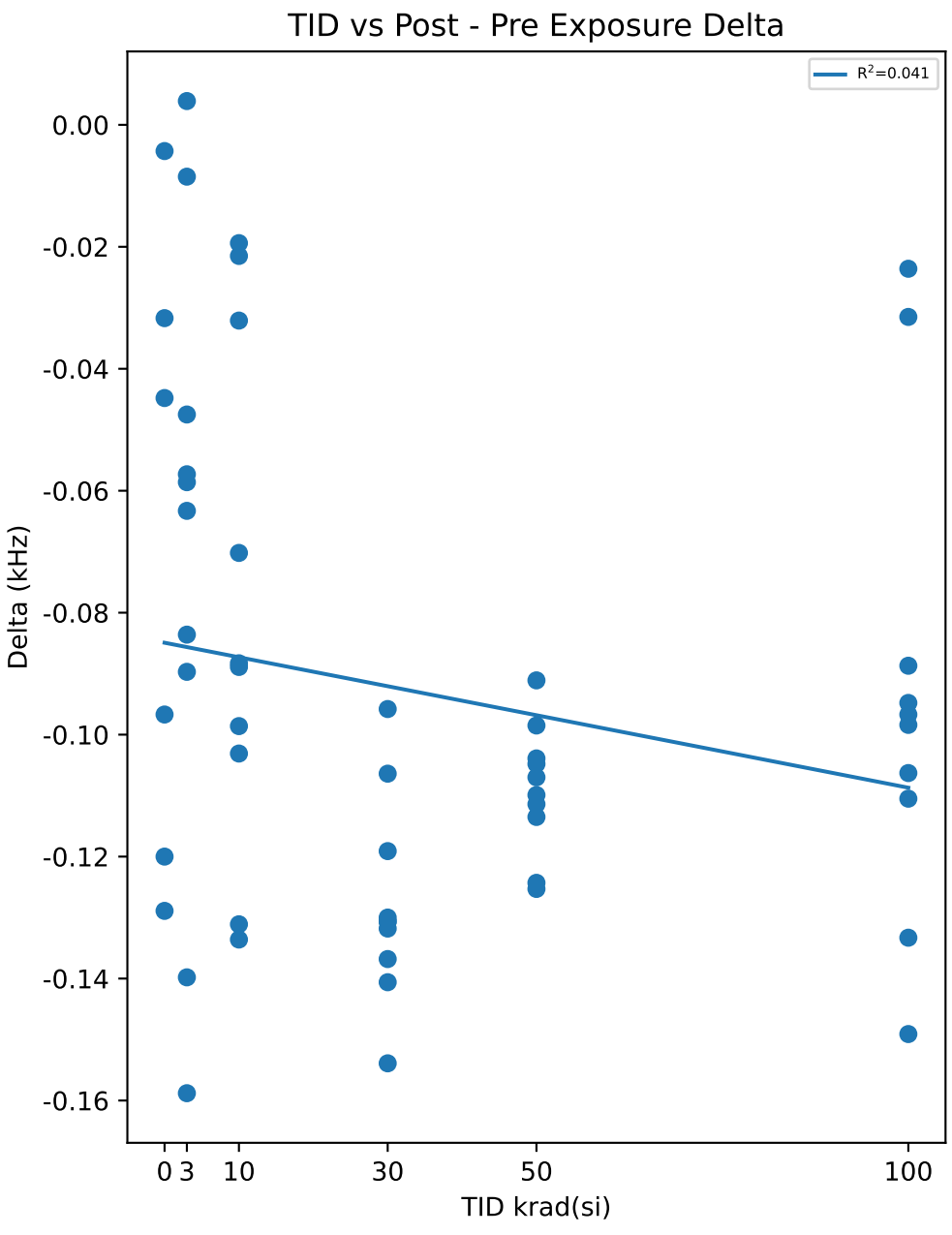
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	LDR Biased	1.14	1.14	0
2	3	LDR Biased	1.11	1.11	0
3	3	LDR Biased	1.12	1.12	0
4	3	LDR Biased	1.14	1.14	0
5	3	LDR Biased	1.14	1.13	-0.01
6	10	LDR Biased	1.13	1.13	0
7	10	LDR Biased	1.14	1.14	0
8	10	LDR Biased	1.13	1.13	0
9	10	LDR Biased	1.12	1.11	-0.01
10	10	LDR Biased	1.12	1.11	-0.01
11	30	LDR Biased	1.14	1.12	-0.02
12	30	LDR Biased	1.13	1.11	-0.02
13	30	LDR Biased	1.13	1.12	-0.01
14	30	LDR Biased	1.14	1.13	-0.01
15	30	LDR Biased	1.14	1.12	-0.02
16	50	LDR Biased	1.13	1.12	-0.01
17	50	LDR Biased	1.14	1.12	-0.02
18	50	LDR Biased	1.12	1.1	-0.02
19	50	LDR Biased	1.12	1.11	-0.01
20	50	LDR Biased	1.13	1.12	-0.01
21	100	LDR Biased	1.12	1.09	-0.03
22	100	LDR Biased	1.13	1.1	-0.03
23	100	LDR Biased	1.14	1.11	-0.03
24	100	LDR Biased	1.13	1.1	-0.03
25	100	LDR Biased	1.14	1.12	-0.02
26	3	LDR Unbiased	1.14	1.14	0
27	3	LDR Unbiased	1.13	1.12	-0.01
28	3	LDR Unbiased	1.12	1.12	0
29	3	LDR Unbiased	1.13	1.13	0
30	3	LDR Unbiased	1.14	1.14	0
31	10	LDR Unbiased	1.13	1.13	0
32	10	LDR Unbiased	1.14	1.13	-0.01
33	10	LDR Unbiased	1.12	1.11	-0.01
34	10	LDR Unbiased	1.13	1.12	-0.01
35	10	LDR Unbiased	1.14	1.13	-0.01
36	30	LDR Unbiased	1.13	1.11	-0.02
37	30	LDR Unbiased	1.14	1.12	-0.02
38	30	LDR Unbiased	1.13	1.1	-0.03
39	30	LDR Unbiased	1.12	1.1	-0.02
40	30	LDR Unbiased	1.13	1.11	-0.02
41	50	LDR Unbiased	1.14	1.1	-0.04
42	50	LDR Unbiased	1.11	1.08	-0.03
43	50	LDR Unbiased	1.14	1.11	-0.03
44	50	LDR Unbiased	1.14	1.1	-0.04
45	50	LDR Unbiased	1.13	1.11	-0.02
46	100	LDR Unbiased	1.13	1.07	-0.06
47	100	LDR Unbiased	1.14	1.08	-0.06
48	100	LDR Unbiased	1.13	1.08	-0.05
49	100	LDR Unbiased	1.14	1.08	-0.06
50	100	LDR Unbiased	1.14	1.08	-0.06
60	0	Correlation	1.14	1.14	0
61	0	Correlation	1.13	1.13	0
62	0	Correlation	1.13	1.13	0
63	0	Correlation	1.14	1.14	0
64	0	Correlation	1.14	1.14	0
65	0	Correlation	1.14	1.14	0

Test Statistics (V)

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	1.13	1.1367	1.14	0.005164	1.13	1.1367	1.14	0.005164	0	0	0	0
3	1.11	1.131	1.14	0.011005	1.11	1.129	1.14	0.011005	-0.01	-0.002	0	0.0042164
10	1.12	1.13	1.14	0.008165	1.11	1.124	1.14	0.01075	-0.01	-0.006	0	0.005164
30	1.12	1.133	1.14	0.0067495	1.1	1.114	1.13	0.0096609	-0.03	-0.019	-0.01	0.0056765
50	1.11	1.13	1.14	0.010541	1.08	1.107	1.12	0.012517	-0.04	-0.023	-0.01	0.011595
100	1.12	1.134	1.14	0.0069921	1.07	1.091	1.12	0.015951	-0.06	-0.043	-0.02	0.016364

Device Test: 24.48 _FREQ|500kHz/SYNC1/5//OPEN//@SYNC_FREQ_RANGE





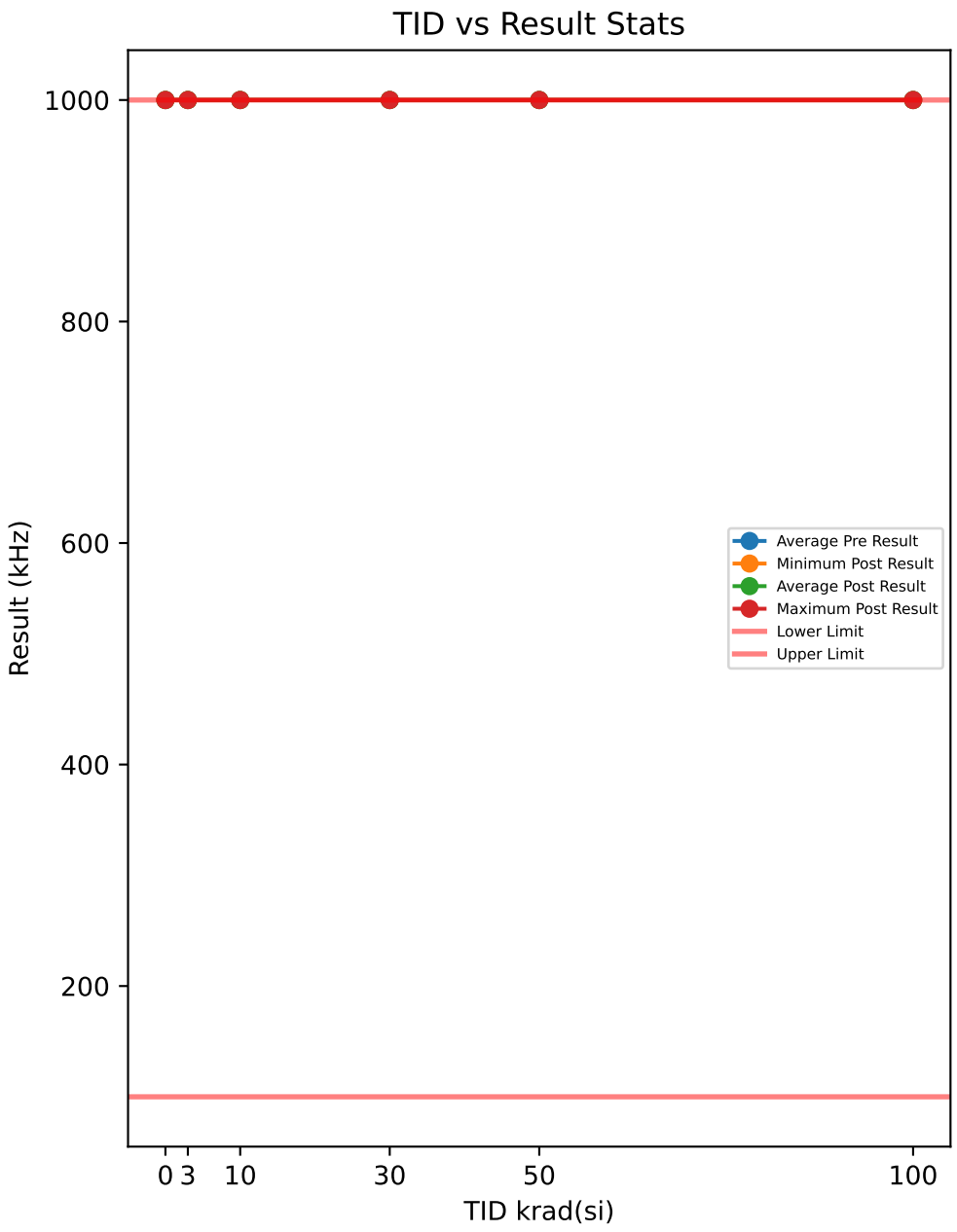
Test Results (Lower Limit = 100.0, Upper Limit = 1000.0 (kHz))

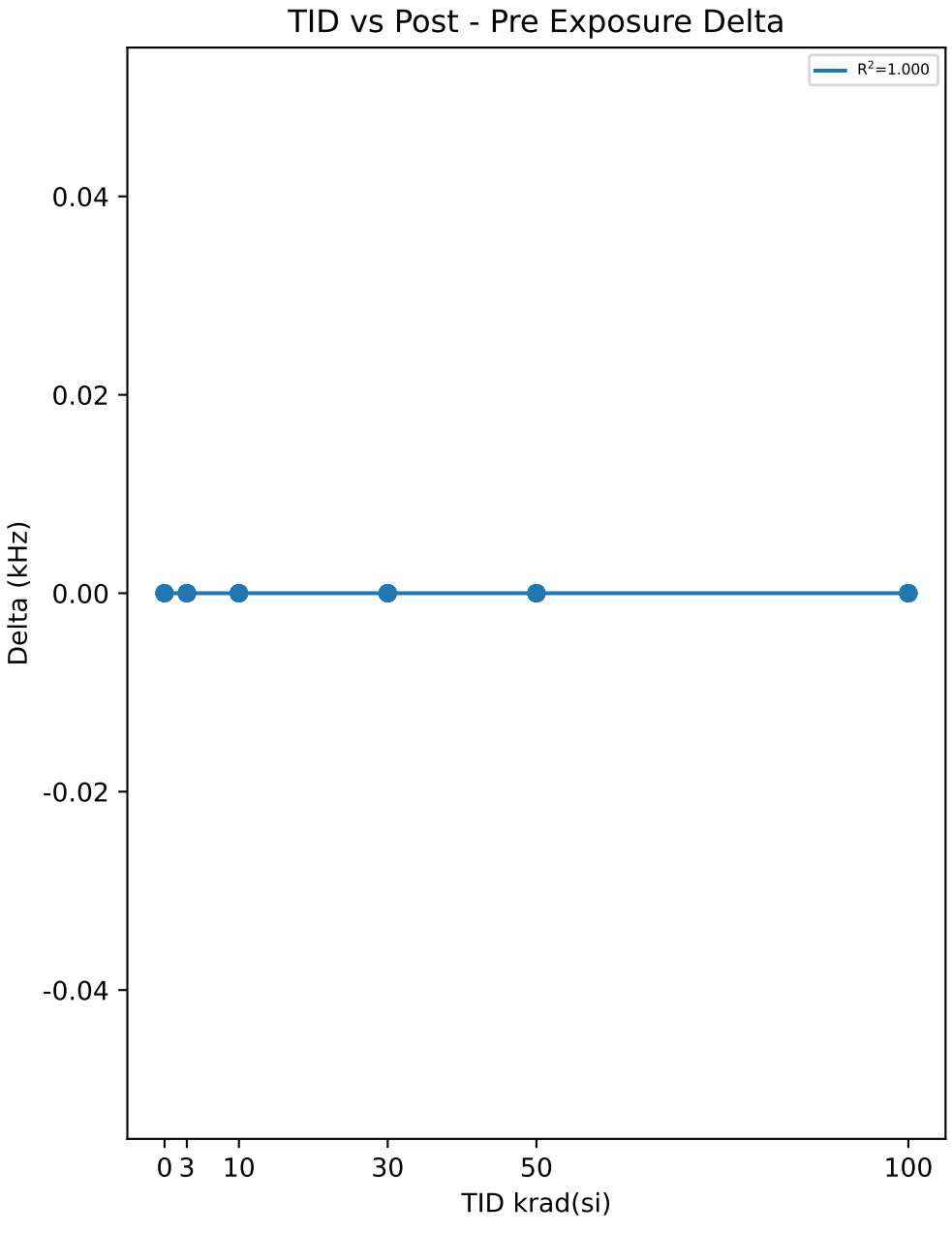
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	LDR Biased	499.96	499.87	-0.0836
2	3	LDR Biased	499.93	499.86	-0.0633
3	3	LDR Biased	499.95	499.81	-0.1398
4	3	LDR Biased	499.96	499.9	-0.0573
5	3	LDR Biased	499.96	499.87	-0.0897
6	10	LDR Biased	499.93	499.83	-0.0986
7	10	LDR Biased	499.92	499.85	-0.0702
8	10	LDR Biased	499.95	499.86	-0.0889
9	10	LDR Biased	499.97	499.84	-0.1336
10	10	LDR Biased	499.96	499.94	-0.0215
11	30	LDR Biased	499.95	499.82	-0.1306
12	30	LDR Biased	499.93	499.84	-0.0958
13	30	LDR Biased	499.96	499.82	-0.1318
14	30	LDR Biased	499.97	499.81	-0.1539
15	30	LDR Biased	499.96	499.82	-0.1406
16	50	LDR Biased	499.95	499.84	-0.1039
17	50	LDR Biased	499.96	499.85	-0.1048
18	50	LDR Biased	499.95	499.86	-0.0911
19	50	LDR Biased	499.95	499.84	-0.1114
20	50	LDR Biased	499.96	499.84	-0.1253
21	100	LDR Biased	499.95	499.81	-0.1333
22	100	LDR Biased	499.94	499.91	-0.0315
23	100	LDR Biased	499.96	499.85	-0.1105
24	100	LDR Biased	499.95	499.86	-0.0967
25	100	LDR Biased	499.96	499.93	-0.0236
26	3	LDR Unbiased	499.94	499.95	0.0039
27	3	LDR Unbiased	499.96	499.95	-0.0085
28	3	LDR Unbiased	499.97	499.91	-0.0586
29	3	LDR Unbiased	499.97	499.92	-0.0475
30	3	LDR Unbiased	499.98	499.82	-0.1588
31	10	LDR Unbiased	499.95	499.85	-0.1031
32	10	LDR Unbiased	499.94	499.92	-0.0194
33	10	LDR Unbiased	499.95	499.82	-0.1311
34	10	LDR Unbiased	499.96	499.87	-0.0883
35	10	LDR Unbiased	499.94	499.91	-0.0321
36	30	LDR Unbiased	499.95	499.82	-0.1307
37	30	LDR Unbiased	499.96	499.82	-0.1368
38	30	LDR Unbiased	499.93	499.81	-0.1191
39	30	LDR Unbiased	499.95	499.84	-0.1064
40	30	LDR Unbiased	499.97	499.84	-0.13
41	50	LDR Unbiased	499.96	499.85	-0.1099
42	50	LDR Unbiased	499.94	499.83	-0.107
43	50	LDR Unbiased	499.96	499.84	-0.1135
44	50	LDR Unbiased	499.94	499.85	-0.0985
45	50	LDR Unbiased	499.97	499.84	-0.1243
46	100	LDR Unbiased	499.95	499.84	-0.1063
47	100	LDR Unbiased	499.96	499.87	-0.0948
48	100	LDR Unbiased	499.94	499.85	-0.0887
49	100	LDR Unbiased	499.96	499.81	-0.1491
50	100	LDR Unbiased	499.94	499.84	-0.0984
60	0	Correlation	499.94	499.89	-0.0448
61	0	Correlation	499.94	499.85	-0.0967
62	0	Correlation	499.98	499.86	-0.12
63	0	Correlation	499.94	499.93	-0.0043
64	0	Correlation	499.96	499.83	-0.1289
65	0	Correlation	499.96	499.93	-0.0317

Test Statistics (kHz)

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	499.94	499.95	499.98	0.018767	499.83	499.88	499.93	0.043456	-0.1289	-0.071067	-0.0043	0.051174
3	499.93	499.96	499.98	0.015049	499.81	499.89	499.95	0.046733	-0.1588	-0.07032	0.0039	0.051007
10	499.92	499.95	499.97	0.015982	499.82	499.87	499.94	0.040372	-0.1336	-0.07868	-0.0194	0.042137
30	499.93	499.95	499.97	0.014047	499.81	499.82	499.84	0.011422	-0.1539	-0.12757	-0.0958	0.016734
50	499.94	499.95	499.97	0.0096185	499.83	499.84	499.86	0.0089987	-0.1253	-0.10897	-0.0911	0.010567
100	499.94	499.95	499.96	0.0091716	499.81	499.86	499.93	0.03844	-0.1491	-0.09329	-0.0236	0.039323

Device Test: 24.49 _FREQ|1000kHz/SYNC1/5//OPEN//@SYNC_FREQ_RANGE





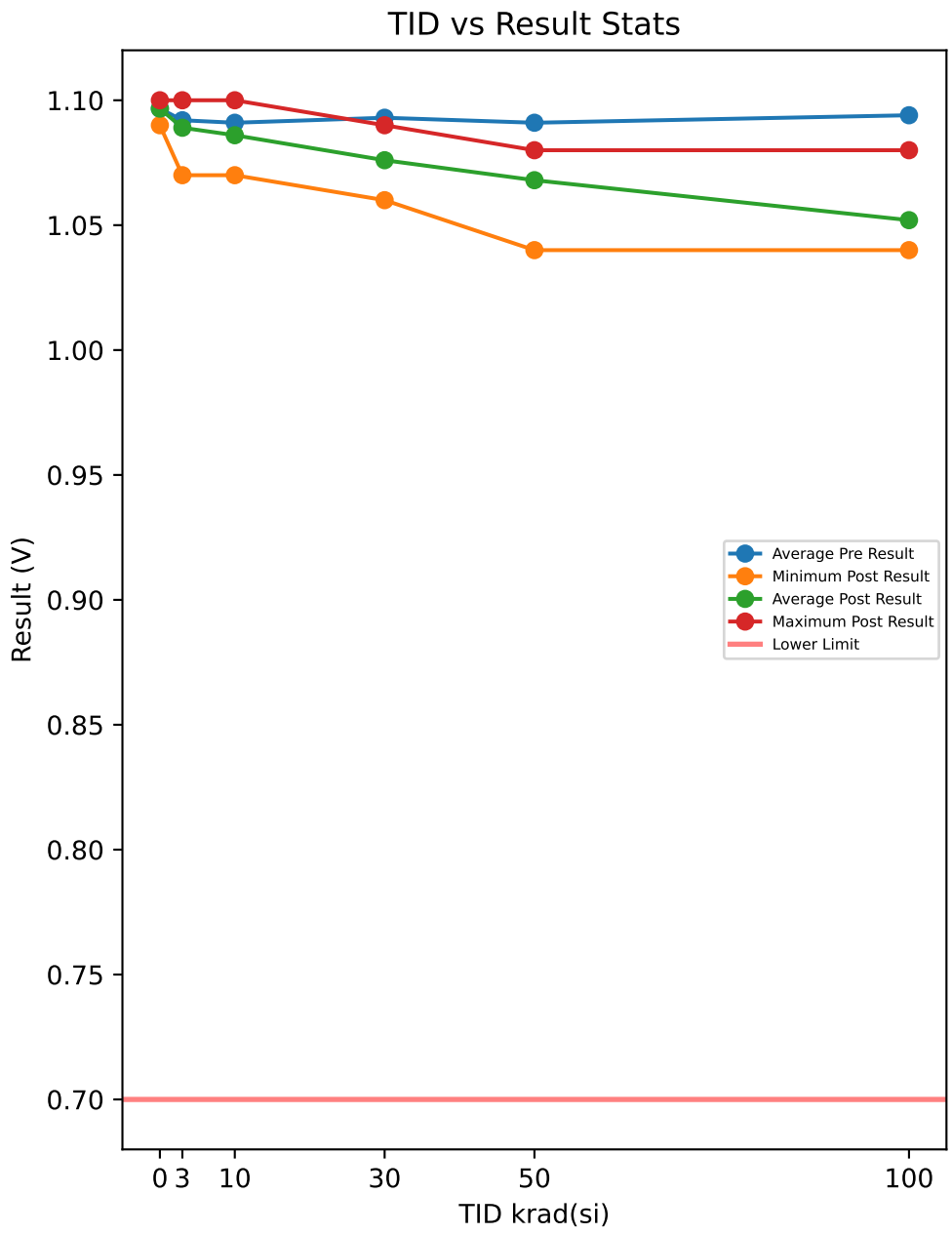
Test Results (Lower Limit = 100.0, Upper Limit = 1000.0 (kHz))

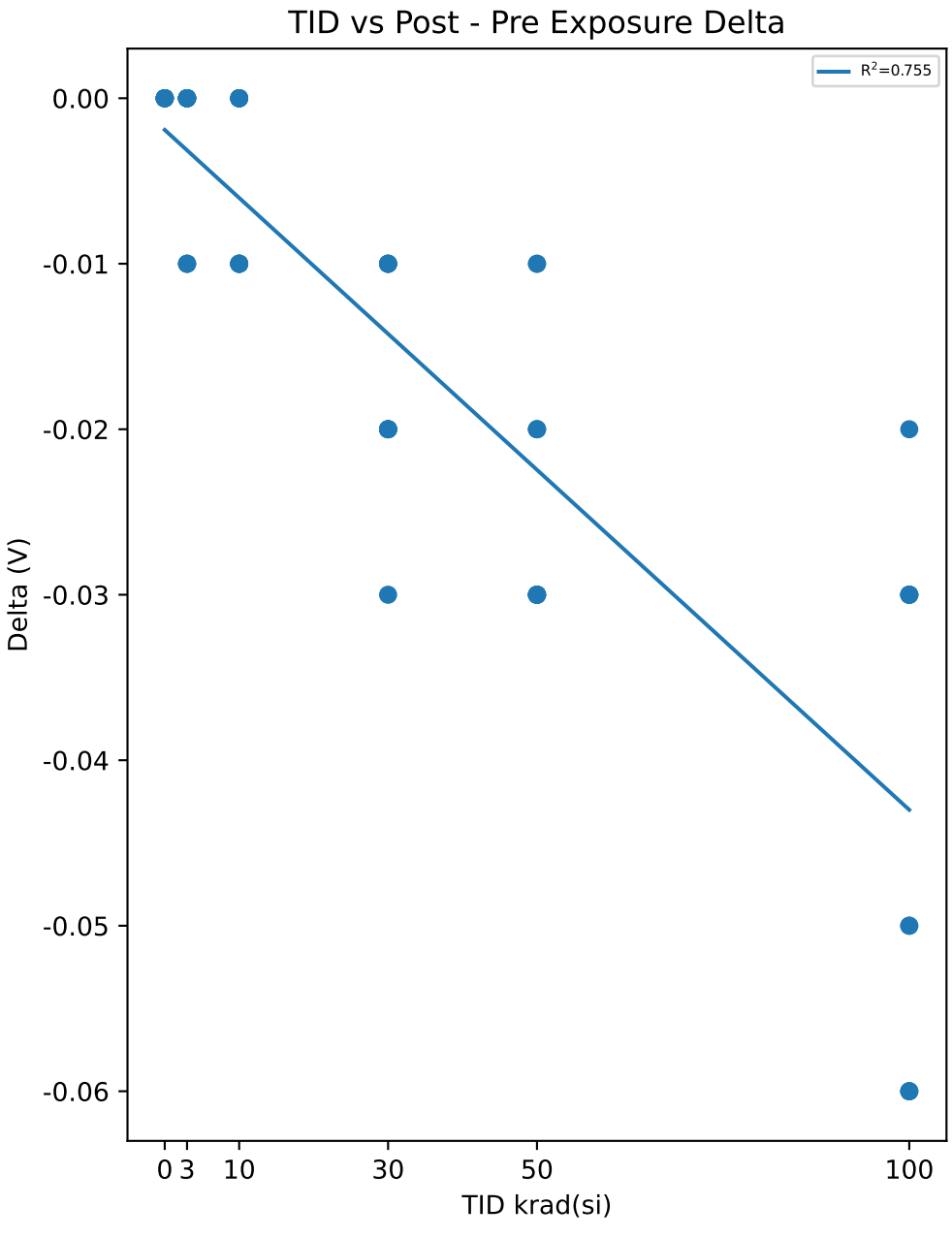
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	LDR Biased	1000	1000	0
2	3	LDR Biased	1000	1000	0
3	3	LDR Biased	1000	1000	0
4	3	LDR Biased	1000	1000	0
5	3	LDR Biased	1000	1000	0
6	10	LDR Biased	1000	1000	0
7	10	LDR Biased	1000	1000	0
8	10	LDR Biased	1000	1000	0
9	10	LDR Biased	1000	1000	0
10	10	LDR Biased	1000	1000	0
11	30	LDR Biased	1000	1000	0
12	30	LDR Biased	1000	1000	0
13	30	LDR Biased	1000	1000	0
14	30	LDR Biased	1000	1000	0
15	30	LDR Biased	1000	1000	0
16	50	LDR Biased	1000	1000	0
17	50	LDR Biased	1000	1000	0
18	50	LDR Biased	1000	1000	0
19	50	LDR Biased	1000	1000	0
20	50	LDR Biased	1000	1000	0
21	100	LDR Biased	1000	1000	0
22	100	LDR Biased	1000	1000	0
23	100	LDR Biased	1000	1000	0
24	100	LDR Biased	1000	1000	0
25	100	LDR Biased	1000	1000	0
26	3	LDR Unbiased	1000	1000	0
27	3	LDR Unbiased	1000	1000	0
28	3	LDR Unbiased	1000	1000	0
29	3	LDR Unbiased	1000	1000	0
30	3	LDR Unbiased	1000	1000	0
31	10	LDR Unbiased	1000	1000	0
32	10	LDR Unbiased	1000	1000	0
33	10	LDR Unbiased	1000	1000	0
34	10	LDR Unbiased	1000	1000	0
35	10	LDR Unbiased	1000	1000	0
36	30	LDR Unbiased	1000	1000	0
37	30	LDR Unbiased	1000	1000	0
38	30	LDR Unbiased	1000	1000	0
39	30	LDR Unbiased	1000	1000	0
40	30	LDR Unbiased	1000	1000	0
41	50	LDR Unbiased	1000	1000	0
42	50	LDR Unbiased	1000	1000	0
43	50	LDR Unbiased	1000	1000	0
44	50	LDR Unbiased	1000	1000	0
45	50	LDR Unbiased	1000	1000	0
46	100	LDR Unbiased	1000	1000	0
47	100	LDR Unbiased	1000	1000	0
48	100	LDR Unbiased	1000	1000	0
49	100	LDR Unbiased	1000	1000	0
50	100	LDR Unbiased	1000	1000	0
60	0	Correlation	1000	1000	0
61	0	Correlation	1000	1000	0
62	0	Correlation	1000	1000	0
63	0	Correlation	1000	1000	0
64	0	Correlation	1000	1000	0
65	0	Correlation	1000	1000	0

Test Statistics (kHz)

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	1000	1000	1000	0	1000	1000	1000	0	0	0	0	0
3	1000	1000	1000	0	1000	1000	1000	0	0	0	0	0
10	1000	1000	1000	0	1000	1000	1000	0	0	0	0	0
30	1000	1000	1000	0	1000	1000	1000	0	0	0	0	0
50	1000	1000	1000	0	1000	1000	1000	0	0	0	0	0
100	1000	1000	1000	0	1000	1000	1000	0	0	0	0	0

Device Test: 24.5 _THRESHOLD|FALL/SYNC1/4.5//OPEN//@SYNC1_VIL





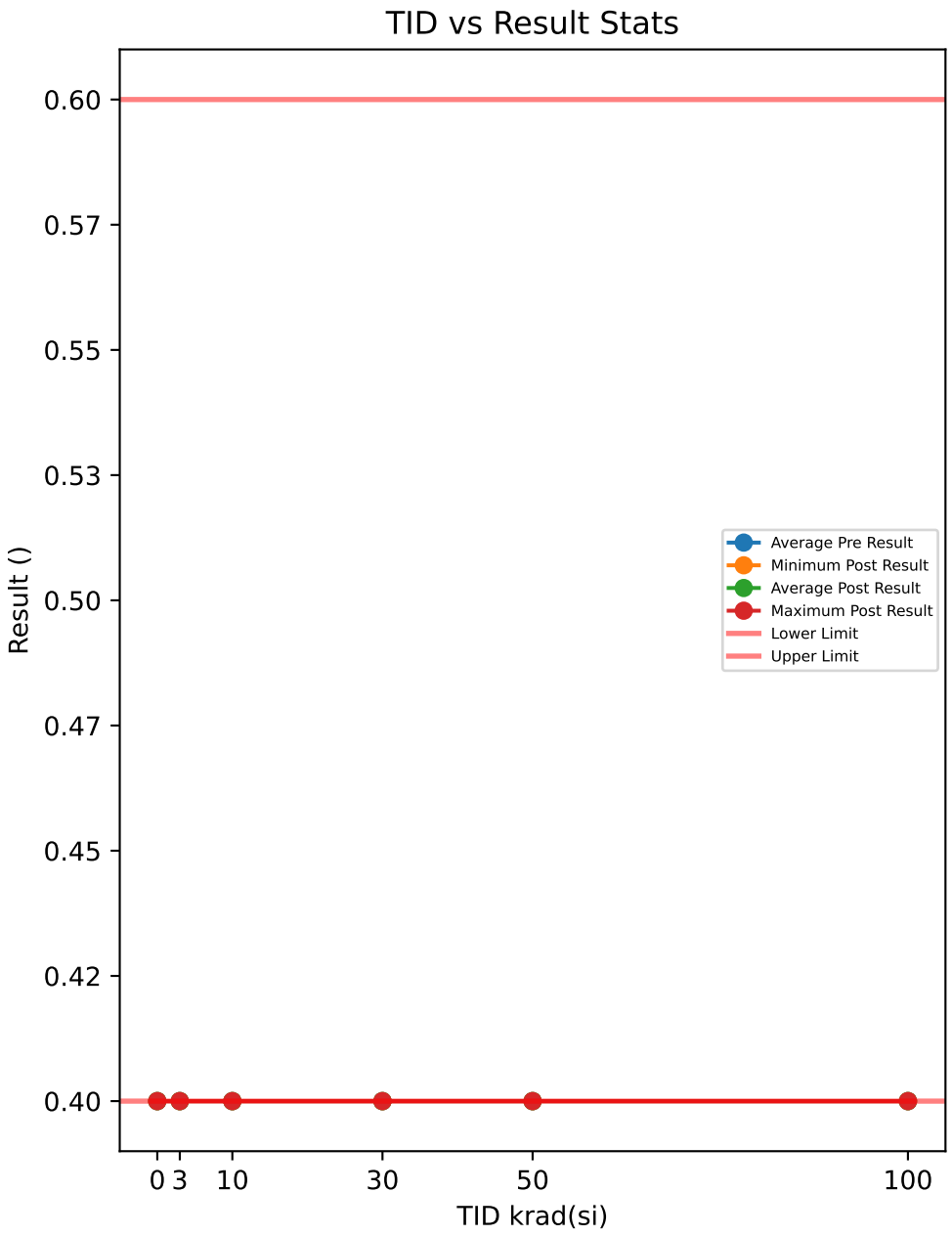
Test Results (Lower Limit = 0.7 (V))

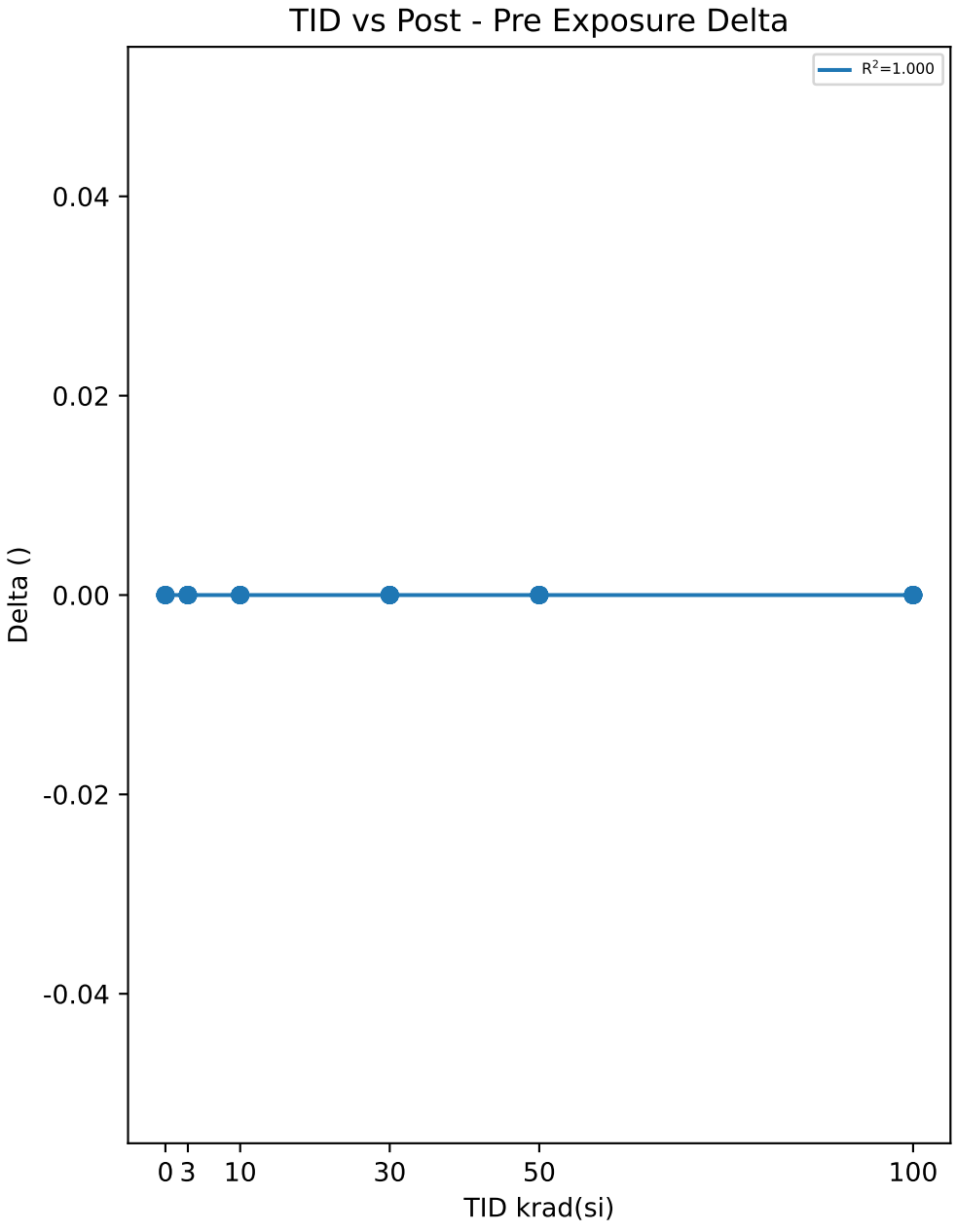
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	LDR Biased	1.1	1.09	-0.01
2	3	LDR Biased	1.08	1.07	-0.01
3	3	LDR Biased	1.08	1.08	0
4	3	LDR Biased	1.1	1.1	0
5	3	LDR Biased	1.1	1.1	0
6	10	LDR Biased	1.09	1.09	0
7	10	LDR Biased	1.1	1.1	0
8	10	LDR Biased	1.09	1.09	0
9	10	LDR Biased	1.08	1.07	-0.01
10	10	LDR Biased	1.08	1.08	0
11	30	LDR Biased	1.1	1.09	-0.01
12	30	LDR Biased	1.09	1.08	-0.01
13	30	LDR Biased	1.09	1.08	-0.01
14	30	LDR Biased	1.1	1.09	-0.01
15	30	LDR Biased	1.1	1.08	-0.02
16	50	LDR Biased	1.09	1.08	-0.01
17	50	LDR Biased	1.1	1.08	-0.02
18	50	LDR Biased	1.08	1.06	-0.02
19	50	LDR Biased	1.08	1.07	-0.01
20	50	LDR Biased	1.1	1.08	-0.02
21	100	LDR Biased	1.08	1.05	-0.03
22	100	LDR Biased	1.09	1.06	-0.03
23	100	LDR Biased	1.1	1.07	-0.03
24	100	LDR Biased	1.09	1.06	-0.03
25	100	LDR Biased	1.1	1.08	-0.02
26	3	LDR Unbiased	1.1	1.1	0
27	3	LDR Unbiased	1.09	1.08	-0.01
28	3	LDR Unbiased	1.08	1.08	0
29	3	LDR Unbiased	1.09	1.09	0
30	3	LDR Unbiased	1.1	1.1	0
31	10	LDR Unbiased	1.1	1.09	-0.01
32	10	LDR Unbiased	1.1	1.09	-0.01
33	10	LDR Unbiased	1.08	1.07	-0.01
34	10	LDR Unbiased	1.09	1.09	0
35	10	LDR Unbiased	1.1	1.09	-0.01
36	30	LDR Unbiased	1.09	1.06	-0.03
37	30	LDR Unbiased	1.1	1.08	-0.02
38	30	LDR Unbiased	1.09	1.07	-0.02
39	30	LDR Unbiased	1.08	1.06	-0.02
40	30	LDR Unbiased	1.09	1.07	-0.02
41	50	LDR Unbiased	1.09	1.06	-0.03
42	50	LDR Unbiased	1.07	1.04	-0.03
43	50	LDR Unbiased	1.1	1.07	-0.03
44	50	LDR Unbiased	1.1	1.07	-0.03
45	50	LDR Unbiased	1.1	1.07	-0.03
46	100	LDR Unbiased	1.09	1.04	-0.05
47	100	LDR Unbiased	1.1	1.04	-0.06
48	100	LDR Unbiased	1.09	1.04	-0.05
49	100	LDR Unbiased	1.1	1.04	-0.06
50	100	LDR Unbiased	1.1	1.04	-0.06
60	0	Correlation	1.1	1.1	0
61	0	Correlation	1.09	1.09	0
62	0	Correlation	1.09	1.09	0
63	0	Correlation	1.1	1.1	0
64	0	Correlation	1.1	1.1	0
65	0	Correlation	1.1	1.1	0

Test Statistics (V)

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	1.09	1.0967	1.1	0.005164	1.09	1.0967	1.1	0.005164	0	0	0	0
3	1.08	1.092	1.1	0.0091894	1.07	1.089	1.1	0.011005	-0.01	-0.003	0	0.0048305
10	1.08	1.091	1.1	0.008756	1.07	1.086	1.1	0.0096609	-0.01	-0.005	0	0.0052705
30	1.08	1.093	1.1	0.0067495	1.06	1.076	1.09	0.01075	-0.03	-0.017	-0.01	0.0067495
50	1.07	1.091	1.1	0.011005	1.04	1.068	1.08	0.012293	-0.03	-0.023	-0.01	0.0082327
100	1.08	1.094	1.1	0.0069921	1.04	1.052	1.08	0.014757	-0.06	-0.042	-0.02	0.015492

Device Test: 24.50 _UTYCYCLE|GNG_40%/SYNC1/5//OPEN//@SYNC_IN_DUTY_CYCLE_RANGE





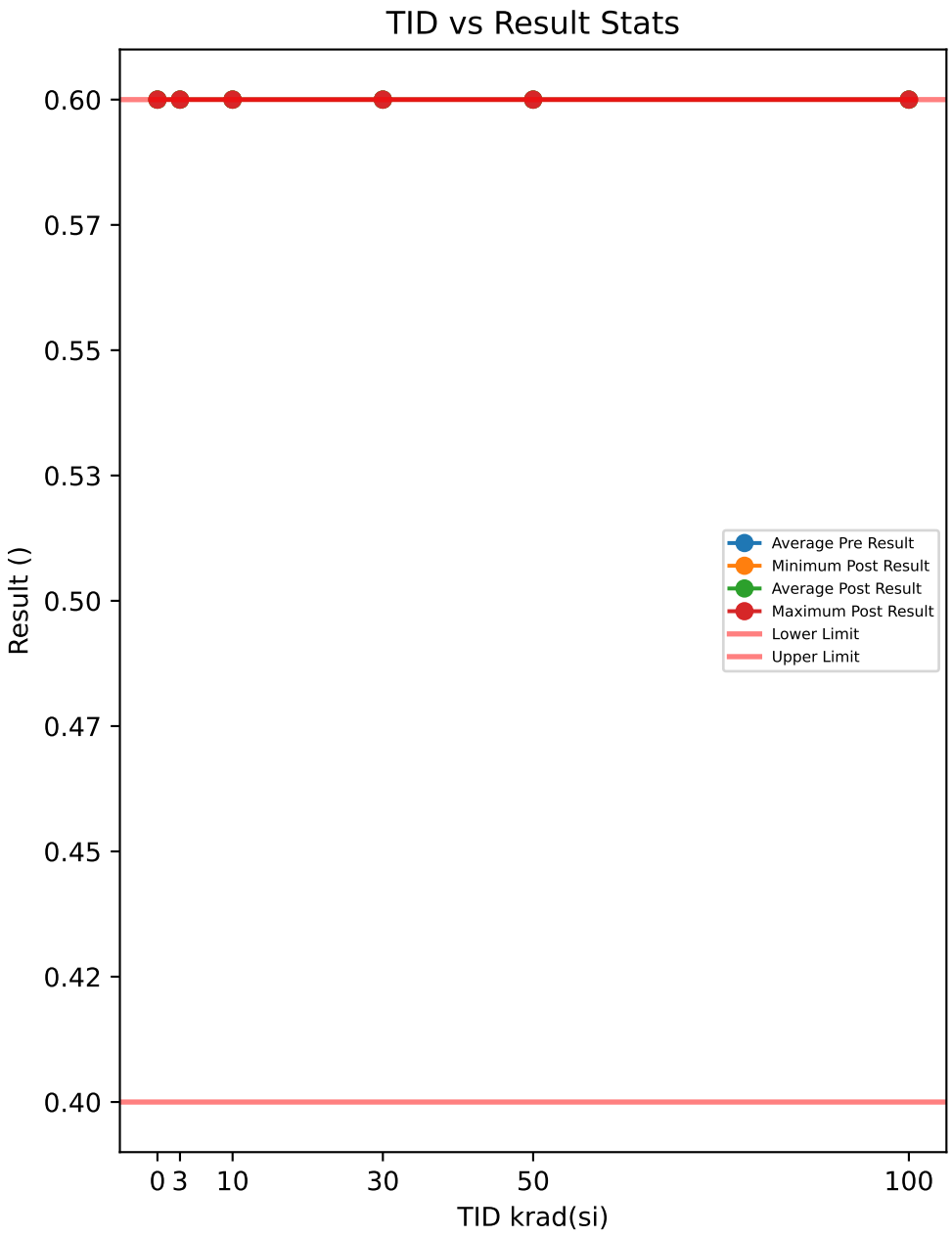
Test Results (Lower Limit = 0.4, Upper Limit = 0.6 ())

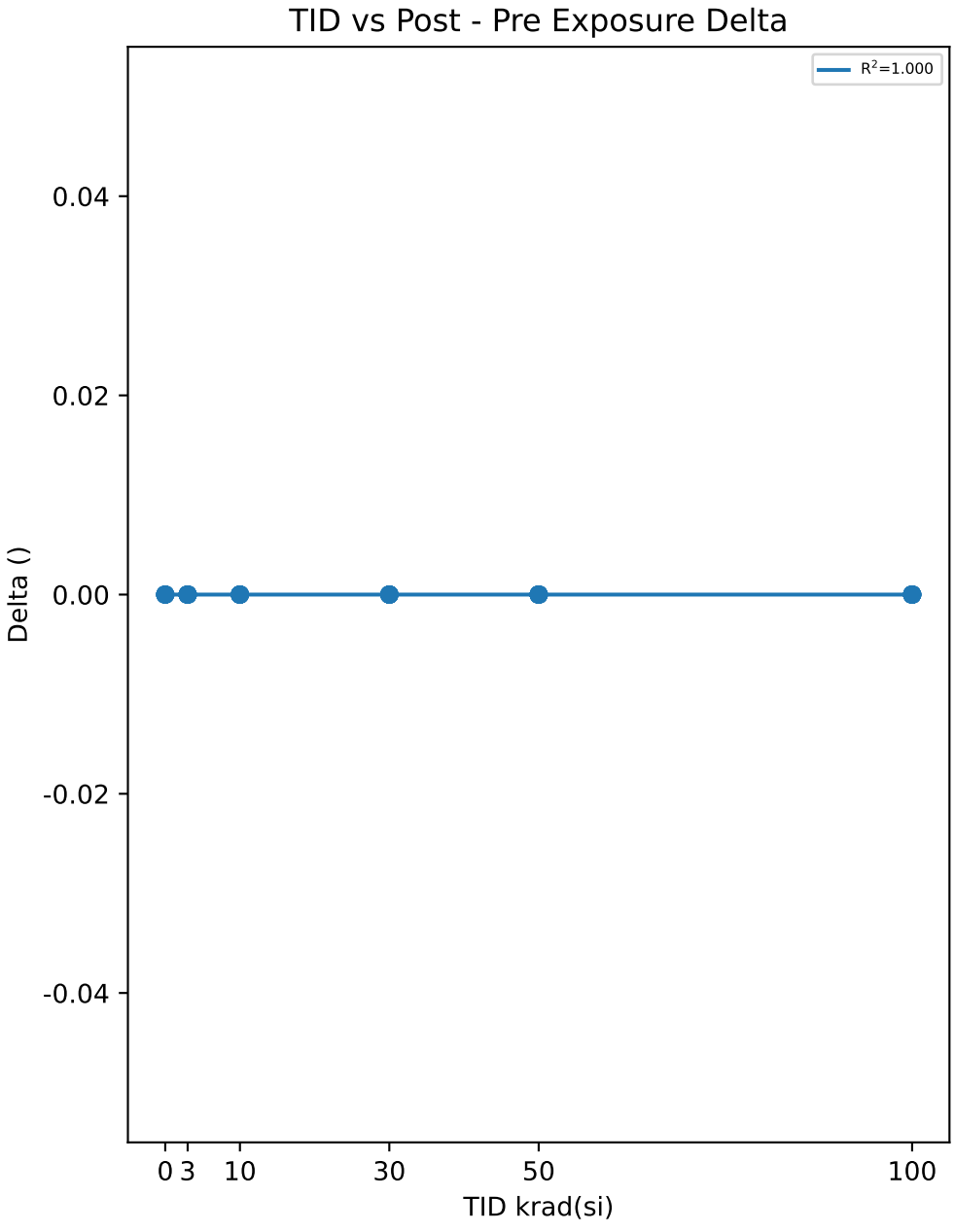
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	LDR Biased	0.4	0.4	0
2	3	LDR Biased	0.4	0.4	0
3	3	LDR Biased	0.4	0.4	0
4	3	LDR Biased	0.4	0.4	0
5	3	LDR Biased	0.4	0.4	0
6	10	LDR Biased	0.4	0.4	0
7	10	LDR Biased	0.4	0.4	0
8	10	LDR Biased	0.4	0.4	0
9	10	LDR Biased	0.4	0.4	0
10	10	LDR Biased	0.4	0.4	0
11	30	LDR Biased	0.4	0.4	0
12	30	LDR Biased	0.4	0.4	0
13	30	LDR Biased	0.4	0.4	0
14	30	LDR Biased	0.4	0.4	0
15	30	LDR Biased	0.4	0.4	0
16	50	LDR Biased	0.4	0.4	0
17	50	LDR Biased	0.4	0.4	0
18	50	LDR Biased	0.4	0.4	0
19	50	LDR Biased	0.4	0.4	0
20	50	LDR Biased	0.4	0.4	0
21	100	LDR Biased	0.4	0.4	0
22	100	LDR Biased	0.4	0.4	0
23	100	LDR Biased	0.4	0.4	0
24	100	LDR Biased	0.4	0.4	0
25	100	LDR Biased	0.4	0.4	0
26	3	LDR Unbiased	0.4	0.4	0
27	3	LDR Unbiased	0.4	0.4	0
28	3	LDR Unbiased	0.4	0.4	0
29	3	LDR Unbiased	0.4	0.4	0
30	3	LDR Unbiased	0.4	0.4	0
31	10	LDR Unbiased	0.4	0.4	0
32	10	LDR Unbiased	0.4	0.4	0
33	10	LDR Unbiased	0.4	0.4	0
34	10	LDR Unbiased	0.4	0.4	0
35	10	LDR Unbiased	0.4	0.4	0
36	30	LDR Unbiased	0.4	0.4	0
37	30	LDR Unbiased	0.4	0.4	0
38	30	LDR Unbiased	0.4	0.4	0
39	30	LDR Unbiased	0.4	0.4	0
40	30	LDR Unbiased	0.4	0.4	0
41	50	LDR Unbiased	0.4	0.4	0
42	50	LDR Unbiased	0.4	0.4	0
43	50	LDR Unbiased	0.4	0.4	0
44	50	LDR Unbiased	0.4	0.4	0
45	50	LDR Unbiased	0.4	0.4	0
46	100	LDR Unbiased	0.4	0.4	0
47	100	LDR Unbiased	0.4	0.4	0
48	100	LDR Unbiased	0.4	0.4	0
49	100	LDR Unbiased	0.4	0.4	0
50	100	LDR Unbiased	0.4	0.4	0
60	0	Correlation	0.4	0.4	0
61	0	Correlation	0.4	0.4	0
62	0	Correlation	0.4	0.4	0
63	0	Correlation	0.4	0.4	0
64	0	Correlation	0.4	0.4	0
65	0	Correlation	0.4	0.4	0

Test Statistics ()

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	0.4	0.4	0.4	0	0.4	0.4	0.4	0	0	0	0	0
3	0.4	0.4	0.4	0	0.4	0.4	0.4	0	0	0	0	0
10	0.4	0.4	0.4	0	0.4	0.4	0.4	0	0	0	0	0
30	0.4	0.4	0.4	0	0.4	0.4	0.4	0	0	0	0	0
50	0.4	0.4	0.4	0	0.4	0.4	0.4	0	0	0	0	0
100	0.4	0.4	0.4	0	0.4	0.4	0.4	0	0	0	0	0

Device Test: 24.51 _UTYCYCLE|GNG_60%/SYNC1/5//OPEN//@SYNC_IN_DUTY_CYCLE_RANGE





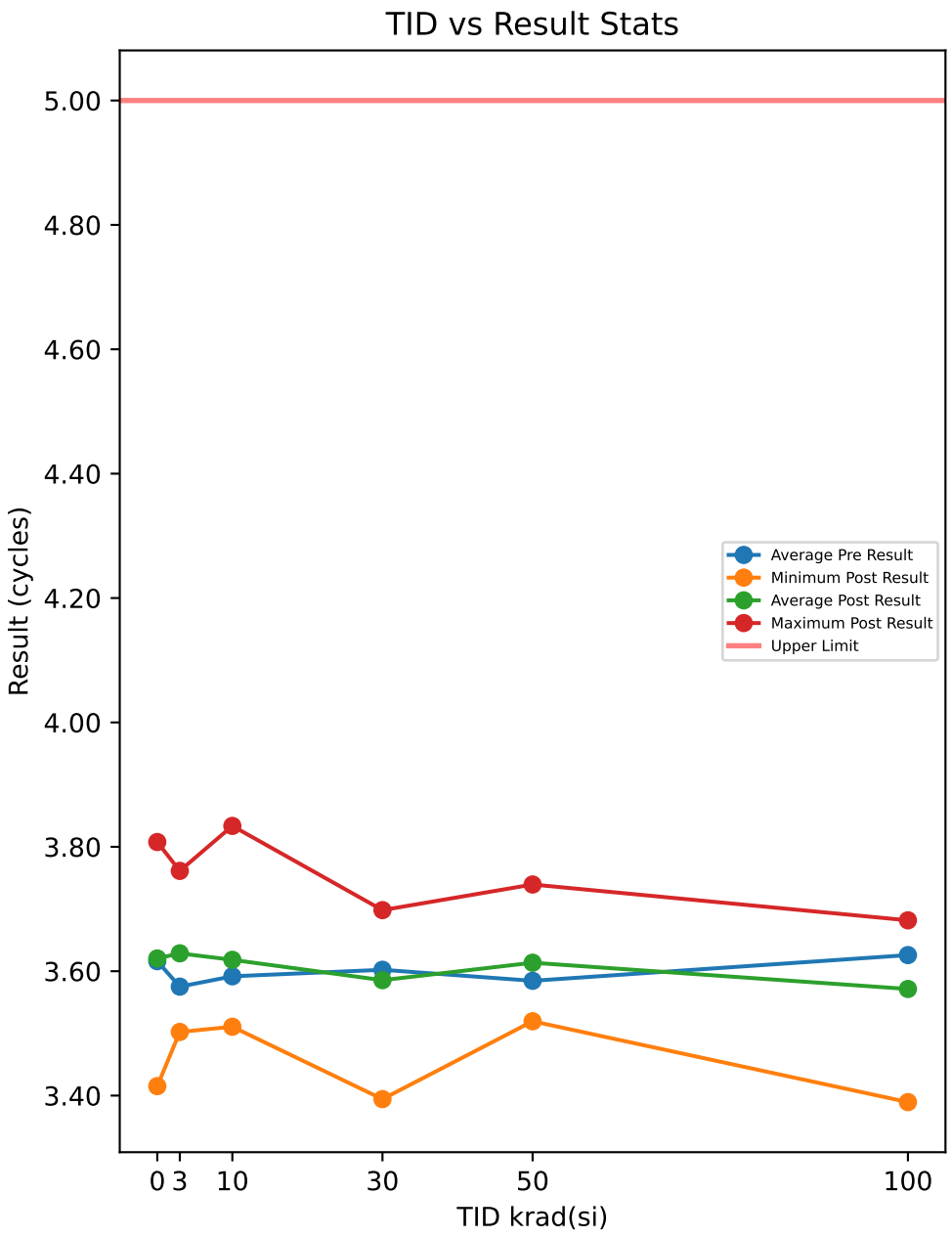
Test Results (Lower Limit = 0.4, Upper Limit = 0.6 ())

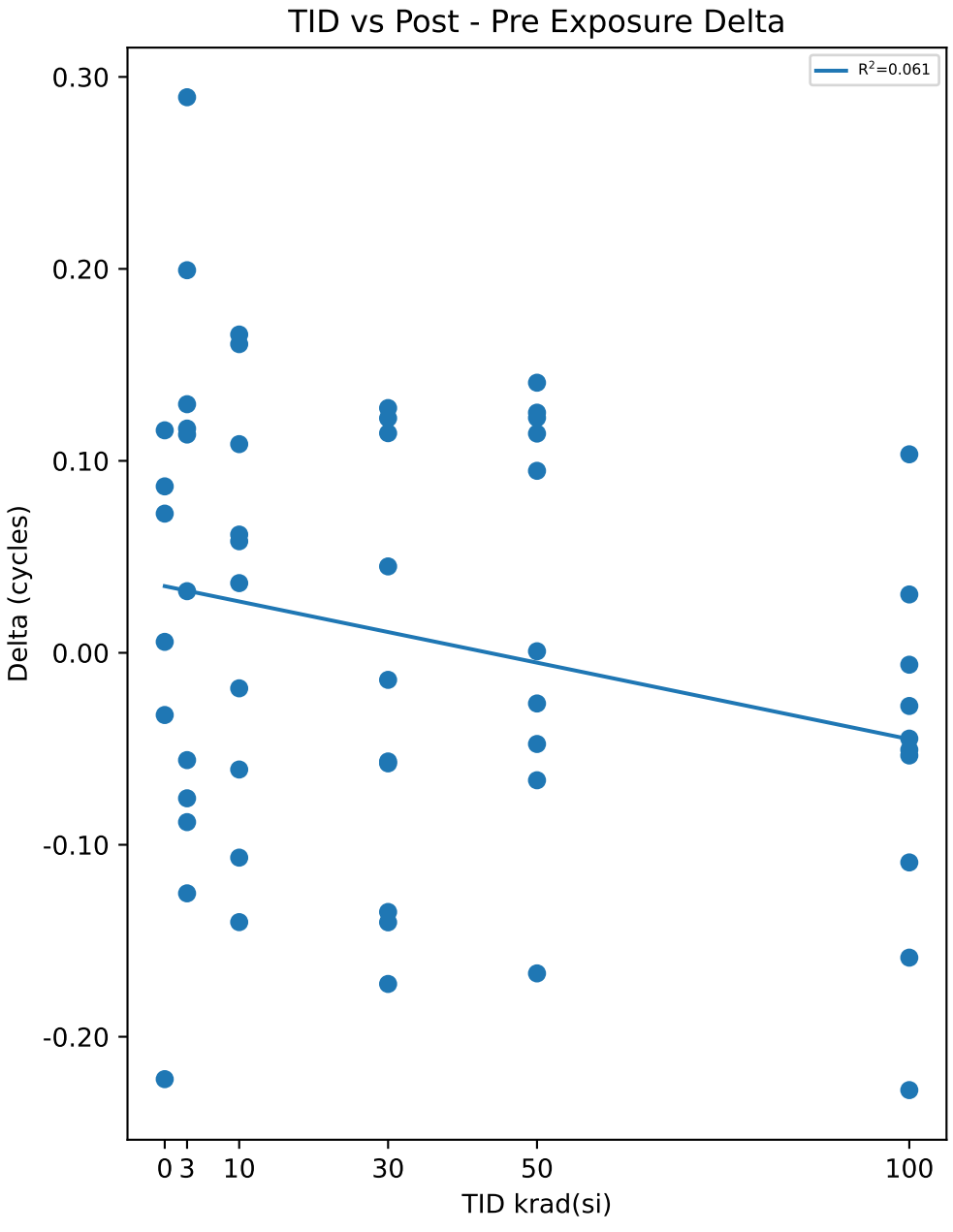
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	LDR Biased	0.6	0.6	0
2	3	LDR Biased	0.6	0.6	0
3	3	LDR Biased	0.6	0.6	0
4	3	LDR Biased	0.6	0.6	0
5	3	LDR Biased	0.6	0.6	0
6	10	LDR Biased	0.6	0.6	0
7	10	LDR Biased	0.6	0.6	0
8	10	LDR Biased	0.6	0.6	0
9	10	LDR Biased	0.6	0.6	0
10	10	LDR Biased	0.6	0.6	0
11	30	LDR Biased	0.6	0.6	0
12	30	LDR Biased	0.6	0.6	0
13	30	LDR Biased	0.6	0.6	0
14	30	LDR Biased	0.6	0.6	0
15	30	LDR Biased	0.6	0.6	0
16	50	LDR Biased	0.6	0.6	0
17	50	LDR Biased	0.6	0.6	0
18	50	LDR Biased	0.6	0.6	0
19	50	LDR Biased	0.6	0.6	0
20	50	LDR Biased	0.6	0.6	0
21	100	LDR Biased	0.6	0.6	0
22	100	LDR Biased	0.6	0.6	0
23	100	LDR Biased	0.6	0.6	0
24	100	LDR Biased	0.6	0.6	0
25	100	LDR Biased	0.6	0.6	0
26	3	LDR Unbiased	0.6	0.6	0
27	3	LDR Unbiased	0.6	0.6	0
28	3	LDR Unbiased	0.6	0.6	0
29	3	LDR Unbiased	0.6	0.6	0
30	3	LDR Unbiased	0.6	0.6	0
31	10	LDR Unbiased	0.6	0.6	0
32	10	LDR Unbiased	0.6	0.6	0
33	10	LDR Unbiased	0.6	0.6	0
34	10	LDR Unbiased	0.6	0.6	0
35	10	LDR Unbiased	0.6	0.6	0
36	30	LDR Unbiased	0.6	0.6	0
37	30	LDR Unbiased	0.6	0.6	0
38	30	LDR Unbiased	0.6	0.6	0
39	30	LDR Unbiased	0.6	0.6	0
40	30	LDR Unbiased	0.6	0.6	0
41	50	LDR Unbiased	0.6	0.6	0
42	50	LDR Unbiased	0.6	0.6	0
43	50	LDR Unbiased	0.6	0.6	0
44	50	LDR Unbiased	0.6	0.6	0
45	50	LDR Unbiased	0.6	0.6	0
46	100	LDR Unbiased	0.6	0.6	0
47	100	LDR Unbiased	0.6	0.6	0
48	100	LDR Unbiased	0.6	0.6	0
49	100	LDR Unbiased	0.6	0.6	0
50	100	LDR Unbiased	0.6	0.6	0
60	0	Correlation	0.6	0.6	0
61	0	Correlation	0.6	0.6	0
62	0	Correlation	0.6	0.6	0
63	0	Correlation	0.6	0.6	0
64	0	Correlation	0.6	0.6	0
65	0	Correlation	0.6	0.6	0

Test Statistics ()

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	0.6	0.6	0.6	0	0.6	0.6	0.6	0	0	0	0	0
3	0.6	0.6	0.6	0	0.6	0.6	0.6	0	0	0	0	0
10	0.6	0.6	0.6	0	0.6	0.6	0.6	0	0	0	0	0
30	0.6	0.6	0.6	0	0.6	0.6	0.6	0	0	0	0	0
50	0.6	0.6	0.6	0	0.6	0.6	0.6	0	0	0	0	0
100	0.6	0.6	0.6	0	0.6	0.6	0.6	0	0	0	0	0

Device Test: 24.52 _TIMING|CLKDETECT/SYNC1/5//511k//@T_CLOCK_DET





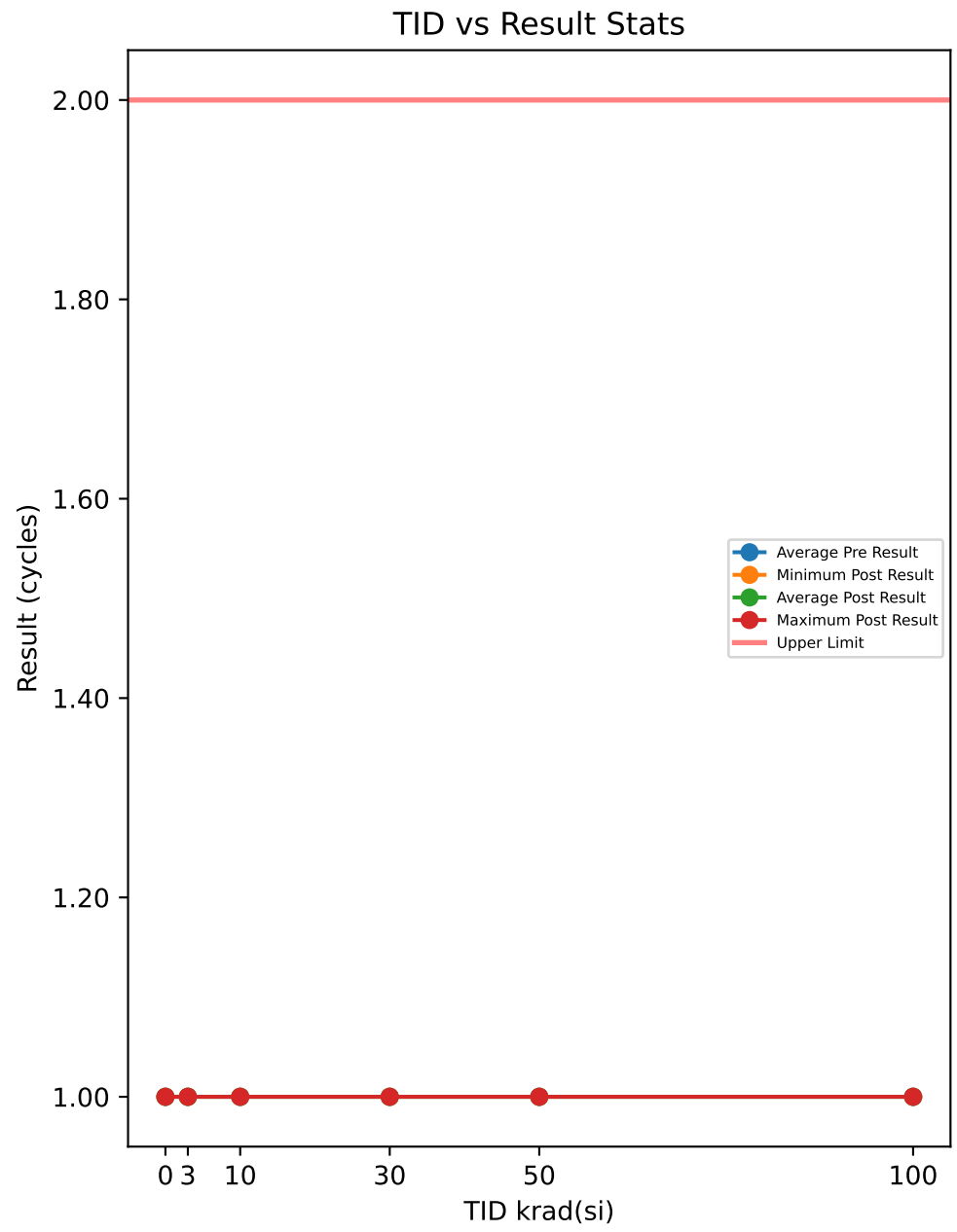
Test Results (Upper Limit = 5.0 (cycles))

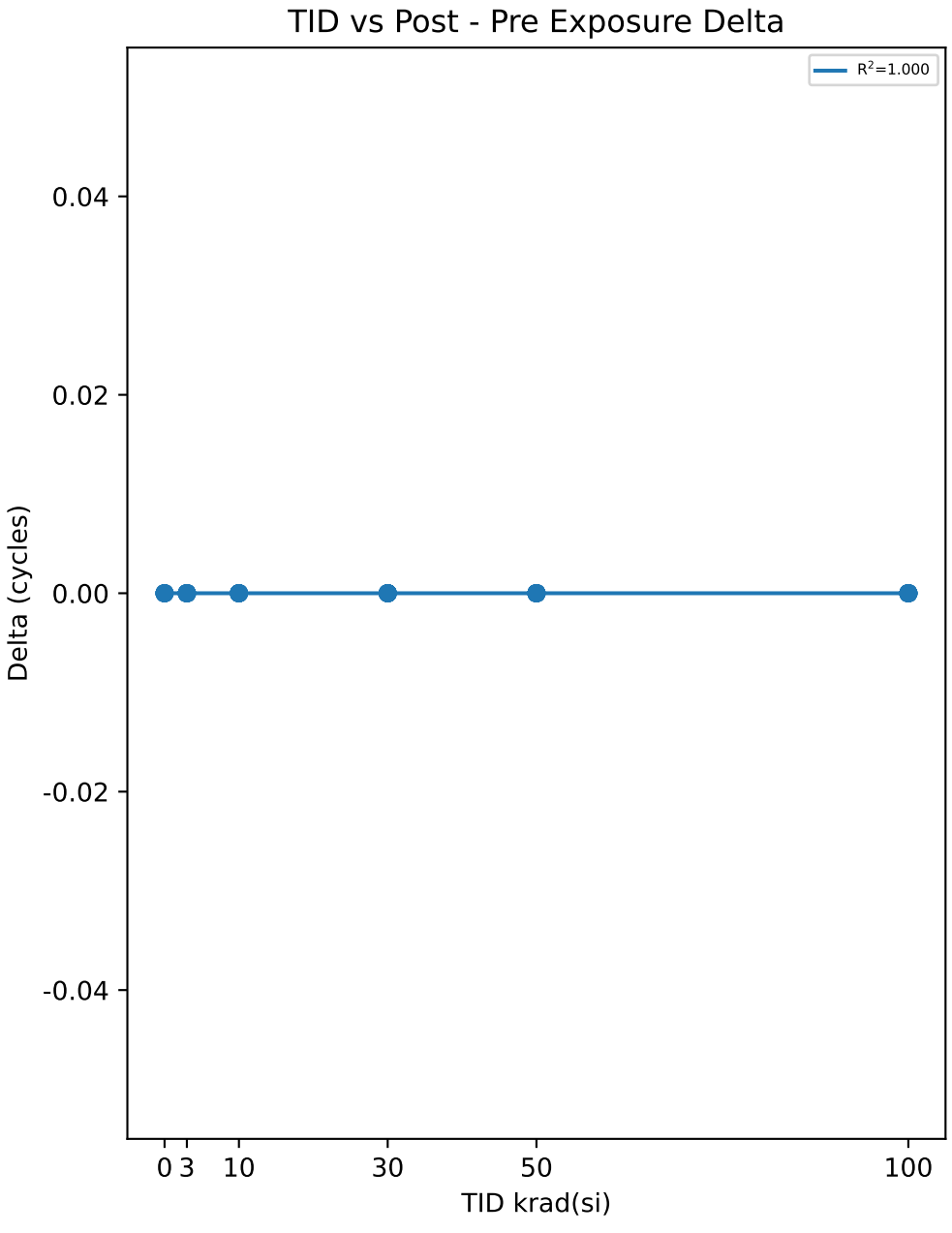
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	LDR Biased	3.5306	3.5627	0.0321
2	3	LDR Biased	3.5175	3.647	0.1295
3	3	LDR Biased	3.4867	3.686	0.1993
4	3	LDR Biased	3.5582	3.5023	-0.0559
5	3	LDR Biased	3.6651	3.5893	-0.0758
6	10	LDR Biased	3.4526	3.5107	0.0581
7	10	LDR Biased	3.5802	3.746	0.1658
8	10	LDR Biased	3.445	3.5537	0.1087
9	10	LDR Biased	3.6728	3.8336	0.1608
10	10	LDR Biased	3.5733	3.5125	-0.0608
11	30	LDR Biased	3.6174	3.6624	0.045
12	30	LDR Biased	3.6306	3.4902	-0.1404
13	30	LDR Biased	3.7044	3.6478	-0.0566
14	30	LDR Biased	3.7303	3.5953	-0.135
15	30	LDR Biased	3.556	3.6704	0.1144
16	50	LDR Biased	3.7121	3.5451	-0.167
17	50	LDR Biased	3.62	3.7342	0.1142
18	50	LDR Biased	3.5291	3.5299	0.0008
19	50	LDR Biased	3.6341	3.7289	0.0948
20	50	LDR Biased	3.558	3.6804	0.1224
21	100	LDR Biased	3.6904	3.5316	-0.1588
22	100	LDR Biased	3.688	3.6818	-0.0062
23	100	LDR Biased	3.5768	3.6802	0.1034
24	100	LDR Biased	3.5534	3.5257	-0.0277
25	100	LDR Biased	3.5268	3.5572	0.0304
26	3	LDR Unbiased	3.4511	3.7405	0.2894
27	3	LDR Unbiased	3.6864	3.5611	-0.1253
28	3	LDR Unbiased	3.4515	3.5683	0.1168
29	3	LDR Unbiased	3.7568	3.6686	-0.0882
30	3	LDR Unbiased	3.6476	3.7613	0.1137
31	10	LDR Unbiased	3.6247	3.6062	-0.0185
32	10	LDR Unbiased	3.6607	3.5204	-0.1403
33	10	LDR Unbiased	3.6917	3.585	-0.1067
34	10	LDR Unbiased	3.5515	3.5878	0.0363
35	10	LDR Unbiased	3.6653	3.7269	0.0616
36	30	LDR Unbiased	3.4745	3.5967	0.1222
37	30	LDR Unbiased	3.573	3.5589	-0.0141
38	30	LDR Unbiased	3.5707	3.6982	0.1275
39	30	LDR Unbiased	3.599	3.5414	-0.0576
40	30	LDR Unbiased	3.5668	3.3943	-0.1725
41	50	LDR Unbiased	3.6587	3.5923	-0.0664
42	50	LDR Unbiased	3.5745	3.527	-0.0475
43	50	LDR Unbiased	3.3989	3.5396	0.1407
44	50	LDR Unbiased	3.5459	3.5195	-0.0264
45	50	LDR Unbiased	3.6143	3.7394	0.1251
46	100	LDR Unbiased	3.6173	3.3895	-0.2278
47	100	LDR Unbiased	3.6196	3.5749	-0.0447
48	100	LDR Unbiased	3.6644	3.5552	-0.1092
49	100	LDR Unbiased	3.6231	3.5696	-0.0535
50	100	LDR Unbiased	3.6991	3.6486	-0.0505
60	0	Correlation	3.6373	3.4152	-0.2221
61	0	Correlation	3.6422	3.7147	0.0725
62	0	Correlation	3.6918	3.8077	0.1159
63	0	Correlation	3.5962	3.6829	0.0867
64	0	Correlation	3.4979	3.5036	0.0057
65	0	Correlation	3.6311	3.5987	-0.0324

Test Statistics (cycles)

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	3.4979	3.6161	3.6918	0.065503	3.4152	3.6205	3.8077	0.14429	-0.2221	0.0043833	0.1159	0.12369
3	3.4511	3.5751	3.7568	0.10688	3.5023	3.6287	3.7613	0.085242	-0.1253	0.05356	0.2894	0.13804
10	3.445	3.5918	3.6917	0.088695	3.5107	3.6183	3.8336	0.11214	-0.1403	0.0265	0.1658	0.10632
30	3.4745	3.6023	3.7303	0.074119	3.3943	3.5856	3.6982	0.093225	-0.1725	-0.01671	0.1275	0.11447
50	3.3989	3.5846	3.7121	0.085767	3.5195	3.6136	3.7394	0.095515	-0.167	0.02907	0.1407	0.10502
100	3.5268	3.6259	3.6991	0.060062	3.3895	3.5714	3.6818	0.086426	-0.2278	-0.05446	0.1034	0.093813

Device Test: 24.53 _TIMING|CLKDETECT/SYNC1/5//511k//@T_CLOCK_DET_EXT





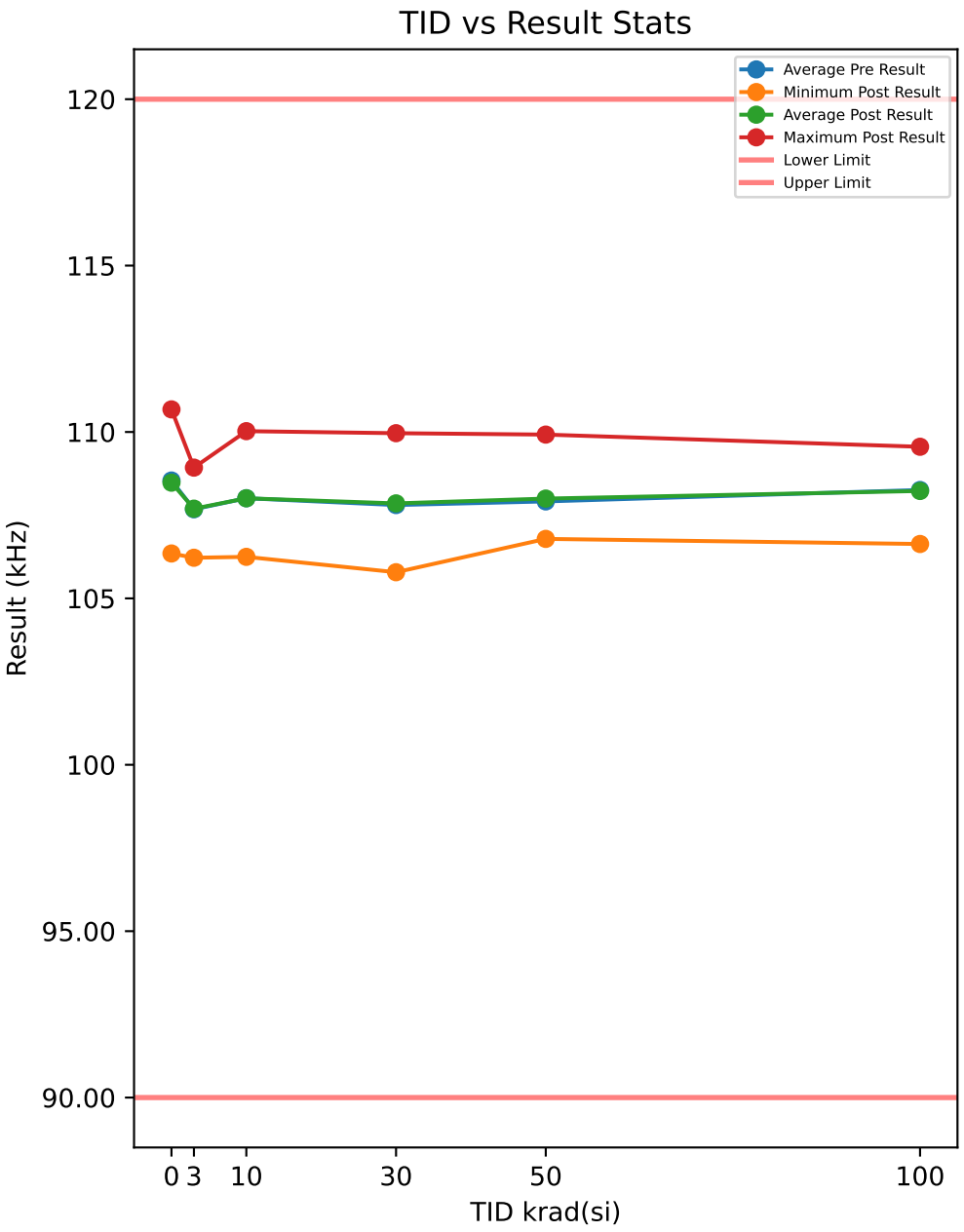
Test Results (Upper Limit = 2.0 (cycles))

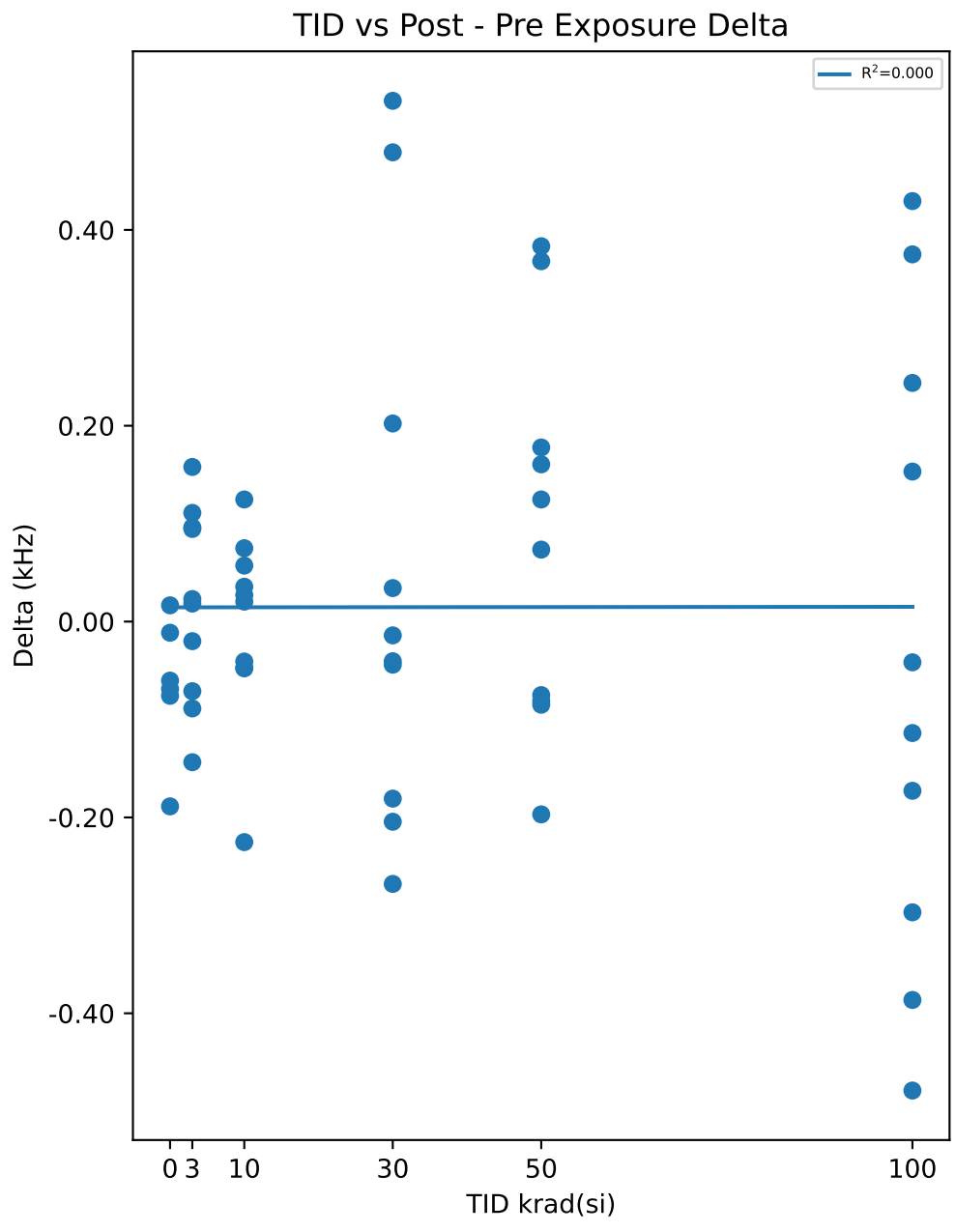
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	LDR Biased	1	1	0
2	3	LDR Biased	1	1	0
3	3	LDR Biased	1	1	0
4	3	LDR Biased	1	1	0
5	3	LDR Biased	1	1	0
6	10	LDR Biased	1	1	0
7	10	LDR Biased	1	1	0
8	10	LDR Biased	1	1	0
9	10	LDR Biased	1	1	0
10	10	LDR Biased	1	1	0
11	30	LDR Biased	1	1	0
12	30	LDR Biased	1	1	0
13	30	LDR Biased	1	1	0
14	30	LDR Biased	1	1	0
15	30	LDR Biased	1	1	0
16	50	LDR Biased	1	1	0
17	50	LDR Biased	1	1	0
18	50	LDR Biased	1	1	0
19	50	LDR Biased	1	1	0
20	50	LDR Biased	1	1	0
21	100	LDR Biased	1	1	0
22	100	LDR Biased	1	1	0
23	100	LDR Biased	1	1	0
24	100	LDR Biased	1	1	0
25	100	LDR Biased	1	1	0
26	3	LDR Unbiased	1	1	0
27	3	LDR Unbiased	1	1	0
28	3	LDR Unbiased	1	1	0
29	3	LDR Unbiased	1	1	0
30	3	LDR Unbiased	1	1	0
31	10	LDR Unbiased	1	1	0
32	10	LDR Unbiased	1	1	0
33	10	LDR Unbiased	1	1	0
34	10	LDR Unbiased	1	1	0
35	10	LDR Unbiased	1	1	0
36	30	LDR Unbiased	1	1	0
37	30	LDR Unbiased	1	1	0
38	30	LDR Unbiased	1	1	0
39	30	LDR Unbiased	1	1	0
40	30	LDR Unbiased	1	1	0
41	50	LDR Unbiased	1	1	0
42	50	LDR Unbiased	1	1	0
43	50	LDR Unbiased	1	1	0
44	50	LDR Unbiased	1	1	0
45	50	LDR Unbiased	1	1	0
46	100	LDR Unbiased	1	1	0
47	100	LDR Unbiased	1	1	0
48	100	LDR Unbiased	1	1	0
49	100	LDR Unbiased	1	1	0
50	100	LDR Unbiased	1	1	0
60	0	Correlation	1	1	0
61	0	Correlation	1	1	0
62	0	Correlation	1	1	0
63	0	Correlation	1	1	0
64	0	Correlation	1	1	0
65	0	Correlation	1	1	0

Test Statistics (cycles)

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	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	1	1	0	1	1	1	0	0	0	0	0
3	1	1	1	0	1	1	1	0	0	0	0	0
10	1	1	1	0	1	1	1	0	0	0	0	0
30	1	1	1	0	1	1	1	0	0	0	0	0
50	1	1	1	0	1	1	1	0	0	0	0	0
100	1	1	1	0	1	1	1	0	0	0	0	0

Device Test: 24.54 _FREQ|100kHz/SYNC1/5//511k//@EXT_SET_FREQ_100KHZ_5V





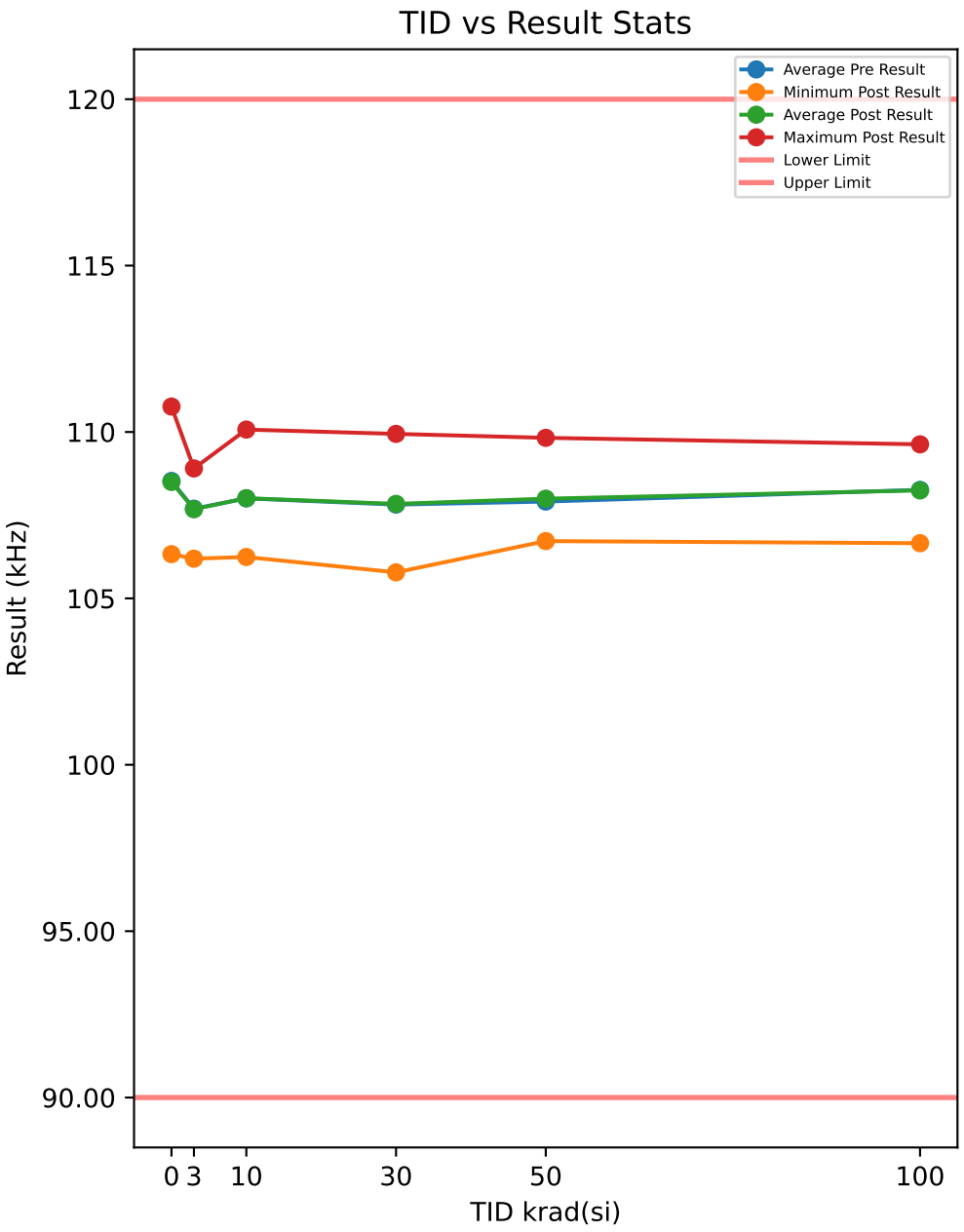
Test Results (Lower Limit = 90.0, Upper Limit = 120.0 (kHz))

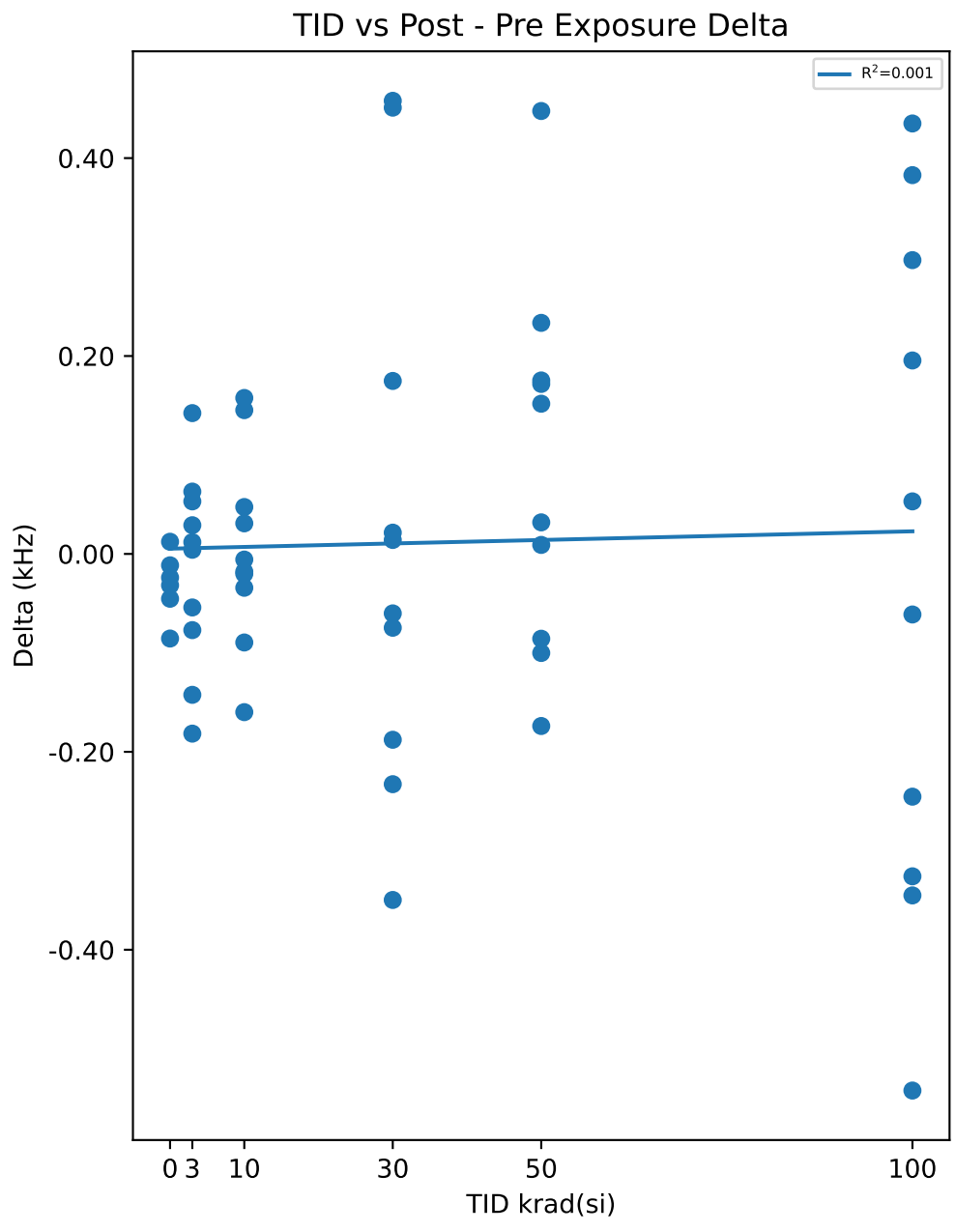
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	LDR Biased	107.31	107.24	-0.0711
2	3	LDR Biased	108.4	108.5	0.0963
3	3	LDR Biased	108.77	108.93	0.1579
4	3	LDR Biased	107.88	107.97	0.0946
5	3	LDR Biased	107.51	107.49	-0.02
6	10	LDR Biased	110.25	110.02	-0.2252
7	10	LDR Biased	106.31	106.27	-0.0473
8	10	LDR Biased	108.99	109.02	0.0271
9	10	LDR Biased	106.29	106.25	-0.0408
10	10	LDR Biased	107.57	107.59	0.0204
11	30	LDR Biased	106.33	106.8	0.4792
12	30	LDR Biased	109.43	109.96	0.5318
13	30	LDR Biased	108.29	108.11	-0.1808
14	30	LDR Biased	109.04	109	-0.044
15	30	LDR Biased	105.99	105.79	-0.2044
16	50	LDR Biased	109.02	109.14	0.1247
17	50	LDR Biased	106.71	106.79	0.0735
18	50	LDR Biased	107.12	107.3	0.1778
19	50	LDR Biased	106.99	106.91	-0.0849
20	50	LDR Biased	108.36	108.52	0.1606
21	100	LDR Biased	107.66	108.09	0.4294
22	100	LDR Biased	108.28	108.11	-0.1728
23	100	LDR Biased	109.4	109.56	0.1532
24	100	LDR Biased	107.98	108.23	0.2437
25	100	LDR Biased	108.03	107.99	-0.0416
26	3	LDR Unbiased	106.42	106.43	0.0184
27	3	LDR Unbiased	107.48	107.39	-0.0887
28	3	LDR Unbiased	108.03	108.05	0.023
29	3	LDR Unbiased	108.62	108.73	0.111
30	3	LDR Unbiased	106.36	106.22	-0.1436
31	10	LDR Unbiased	109.51	109.54	0.0356
32	10	LDR Unbiased	107.88	107.94	0.0572
33	10	LDR Unbiased	109.02	108.97	-0.0477
34	10	LDR Unbiased	107.63	107.7	0.0749
35	10	LDR Unbiased	106.65	106.78	0.1247
36	30	LDR Unbiased	108.27	108.26	-0.0141
37	30	LDR Unbiased	108.82	108.55	-0.2679
38	30	LDR Unbiased	106.87	107.08	0.2023
39	30	LDR Unbiased	105.86	105.82	-0.0405
40	30	LDR Unbiased	109.14	109.17	0.0342
41	50	LDR Unbiased	108.09	107.9	-0.1969
42	50	LDR Unbiased	107.49	107.42	-0.0751
43	50	LDR Unbiased	108.81	108.73	-0.0811
44	50	LDR Unbiased	109.55	109.92	0.368
45	50	LDR Unbiased	106.99	107.37	0.3833
46	100	LDR Unbiased	108.94	109.32	0.375
47	100	LDR Unbiased	108.08	107.79	-0.2969
48	100	LDR Unbiased	109.05	108.57	-0.4789
49	100	LDR Unbiased	106.75	106.63	-0.1138
50	100	LDR Unbiased	108.38	107.99	-0.3864
60	0	Correlation	108.54	108.47	-0.0758
61	0	Correlation	108.65	108.59	-0.0603
62	0	Correlation	106.36	106.35	-0.0114
63	0	Correlation	107.99	107.92	-0.0688
64	0	Correlation	110.87	110.68	-0.1887
65	0	Correlation	108.84	108.85	0.0166

Test Statistics (kHz)

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	106.36	108.54	110.87	1.4541	106.35	108.48	110.68	1.403	-0.1887	-0.064733	0.0166	0.070691
3	106.36	107.68	108.77	0.8355	106.22	107.7	108.93	0.91535	-0.1436	0.01778	0.1579	0.098391
10	106.29	108.01	110.25	1.3853	106.25	108.01	110.02	1.3451	-0.2252	-0.00211	0.1247	0.096435
30	105.86	107.8	109.43	1.3962	105.79	107.85	109.96	1.4262	-0.2679	0.04958	0.5318	0.27487
50	106.71	107.91	109.55	0.99392	106.79	108	109.92	1.038	-0.1969	0.08499	0.3833	0.19626
100	106.75	108.26	109.4	0.76217	106.63	108.23	109.56	0.81333	-0.4789	-0.02891	0.4294	0.31813

Device Test: 24.55 _FREQ|100kHz/SYNC2/5//511k//@EXT_SET_FREQ_100KHZ_5V





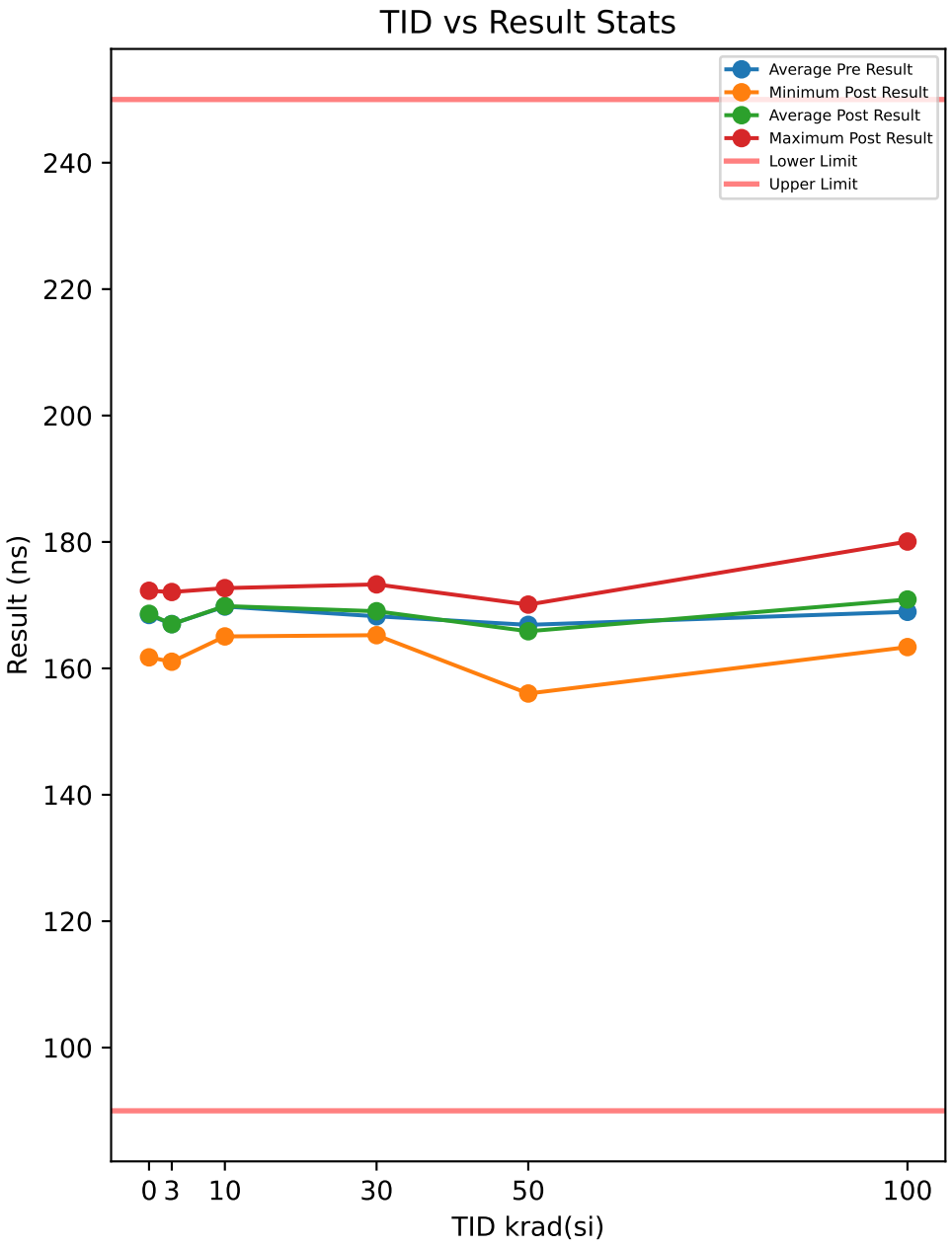
Test Results (Lower Limit = 90.0, Upper Limit = 120.0 (kHz))

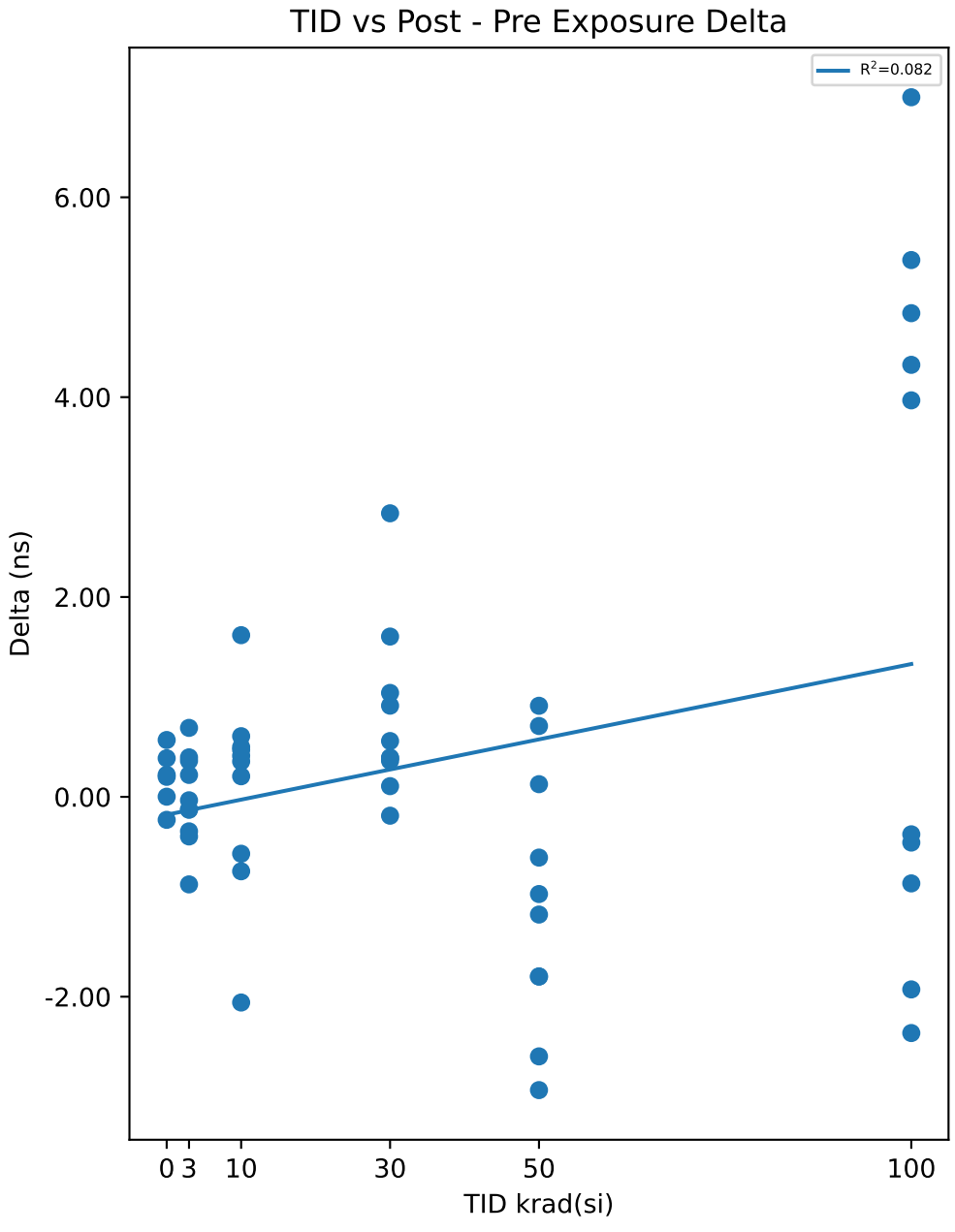
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	LDR Biased	107.3	107.24	-0.0541
2	3	LDR Biased	108.39	108.39	0.0042
3	3	LDR Biased	108.76	108.9	0.1423
4	3	LDR Biased	107.88	107.93	0.0531
5	3	LDR Biased	107.54	107.56	0.0119
6	10	LDR Biased	110.23	110.07	-0.1599
7	10	LDR Biased	106.3	106.33	0.0309
8	10	LDR Biased	109.05	109.03	-0.0179
9	10	LDR Biased	106.28	106.24	-0.0342
10	10	LDR Biased	107.5	107.54	0.0474
11	30	LDR Biased	106.33	106.79	0.4579
12	30	LDR Biased	109.49	109.94	0.451
13	30	LDR Biased	108.28	108.09	-0.1878
14	30	LDR Biased	109.03	108.97	-0.0601
15	30	LDR Biased	106.01	105.78	-0.2327
16	50	LDR Biased	109.03	109.2	0.1718
17	50	LDR Biased	106.71	106.72	0.0091
18	50	LDR Biased	107.1	107.34	0.2335
19	50	LDR Biased	106.98	106.88	-0.1001
20	50	LDR Biased	108.37	108.53	0.1518
21	100	LDR Biased	107.65	108.09	0.435
22	100	LDR Biased	108.38	108.13	-0.2453
23	100	LDR Biased	109.43	109.63	0.1955
24	100	LDR Biased	107.99	108.28	0.2969
25	100	LDR Biased	108.04	108.1	0.0531
26	3	LDR Unbiased	106.46	106.53	0.063
27	3	LDR Unbiased	107.55	107.41	-0.1424
28	3	LDR Unbiased	108.05	107.97	-0.077
29	3	LDR Unbiased	108.63	108.66	0.029
30	3	LDR Unbiased	106.37	106.19	-0.1816
31	10	LDR Unbiased	109.52	109.52	-0.0057
32	10	LDR Unbiased	107.94	107.92	-0.0201
33	10	LDR Unbiased	109.06	108.97	-0.0895
34	10	LDR Unbiased	107.59	107.74	0.1453
35	10	LDR Unbiased	106.59	106.74	0.1576
36	30	LDR Unbiased	108.24	108.25	0.0141
37	30	LDR Unbiased	108.85	108.5	-0.3497
38	30	LDR Unbiased	106.85	107.02	0.1748
39	30	LDR Unbiased	105.93	105.86	-0.0746
40	30	LDR Unbiased	109.16	109.18	0.0215
41	50	LDR Unbiased	108.09	107.91	-0.1739
42	50	LDR Unbiased	107.44	107.47	0.0319
43	50	LDR Unbiased	108.78	108.7	-0.0857
44	50	LDR Unbiased	109.65	109.82	0.1753
45	50	LDR Unbiased	106.94	107.39	0.4476
46	100	LDR Unbiased	108.94	109.32	0.3828
47	100	LDR Unbiased	108.09	107.75	-0.3451
48	100	LDR Unbiased	109	108.46	-0.5423
49	100	LDR Unbiased	106.72	106.66	-0.0612
50	100	LDR Unbiased	108.36	108.03	-0.3258
60	0	Correlation	108.51	108.53	0.0123
61	0	Correlation	108.66	108.57	-0.0855
62	0	Correlation	106.36	106.33	-0.0317
63	0	Correlation	107.95	107.94	-0.0115
64	0	Correlation	110.81	110.76	-0.0453
65	0	Correlation	108.88	108.86	-0.0239

Test Statistics (kHz)

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	106.36	108.53	110.81	1.4406	106.33	108.5	110.76	1.4344	-0.0855	-0.030933	0.0123	0.033108
3	106.37	107.69	108.76	0.82475	106.19	107.68	108.9	0.87837	-0.1816	-0.01516	0.1423	0.098799
10	106.28	108.01	110.23	1.4061	106.24	108.01	110.07	1.3467	-0.1599	0.00539	0.1576	0.096819
30	105.93	107.82	109.49	1.3943	105.78	107.84	109.94	1.4187	-0.3497	0.02144	0.4579	0.27092
50	106.71	107.91	109.65	1.0213	106.72	108	109.82	1.0283	-0.1739	0.08613	0.4476	0.18639
100	106.72	108.26	109.43	0.76743	106.66	108.24	109.63	0.81636	-0.5423	-0.01564	0.435	0.34087

Device Test: 24.56 _TIMING|DELAY/SYNC1/5//511k//@SYNC1_SW_DELAY_OUTPUT





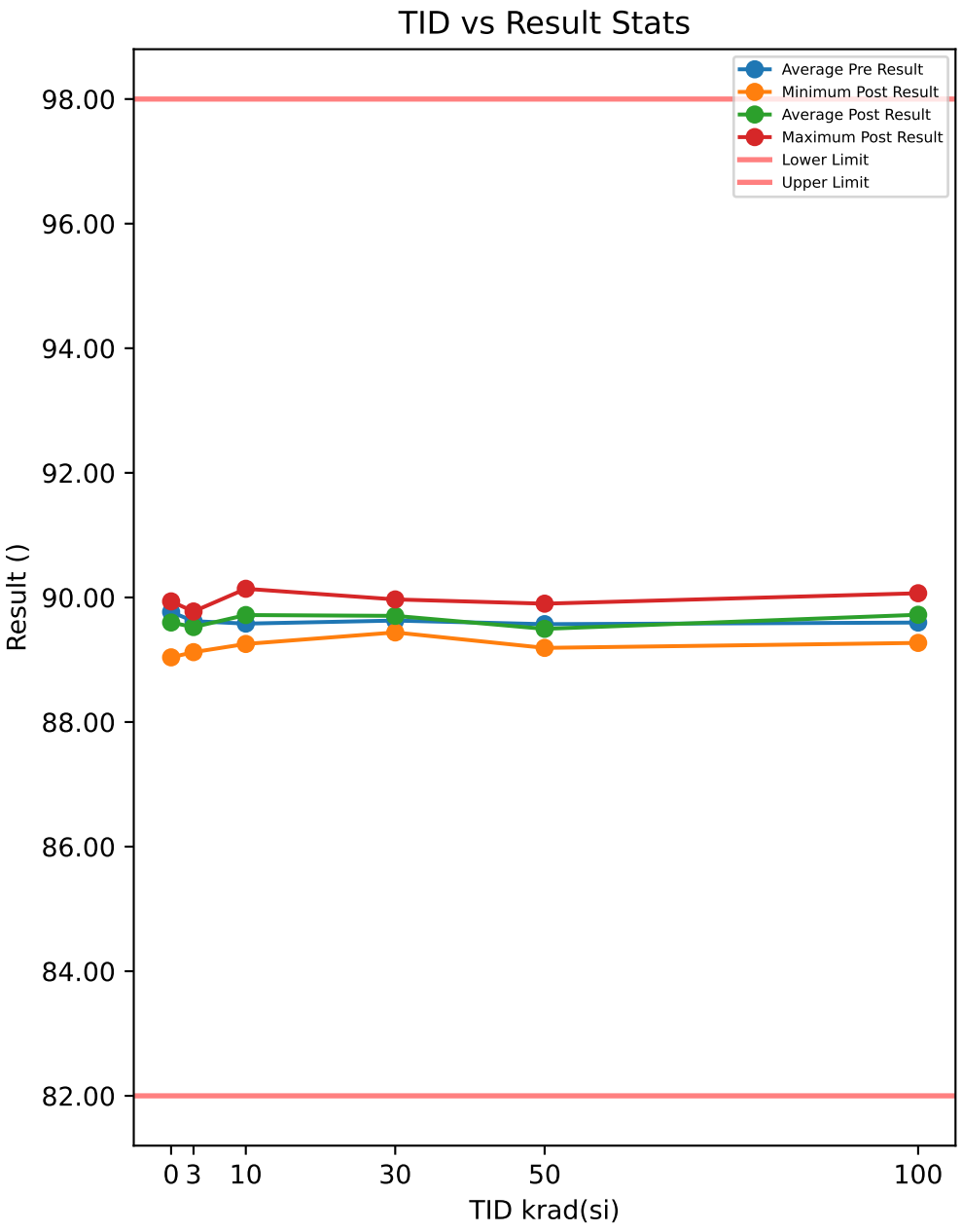
Test Results (Lower Limit = 90.0, Upper Limit = 250.0 (ns))

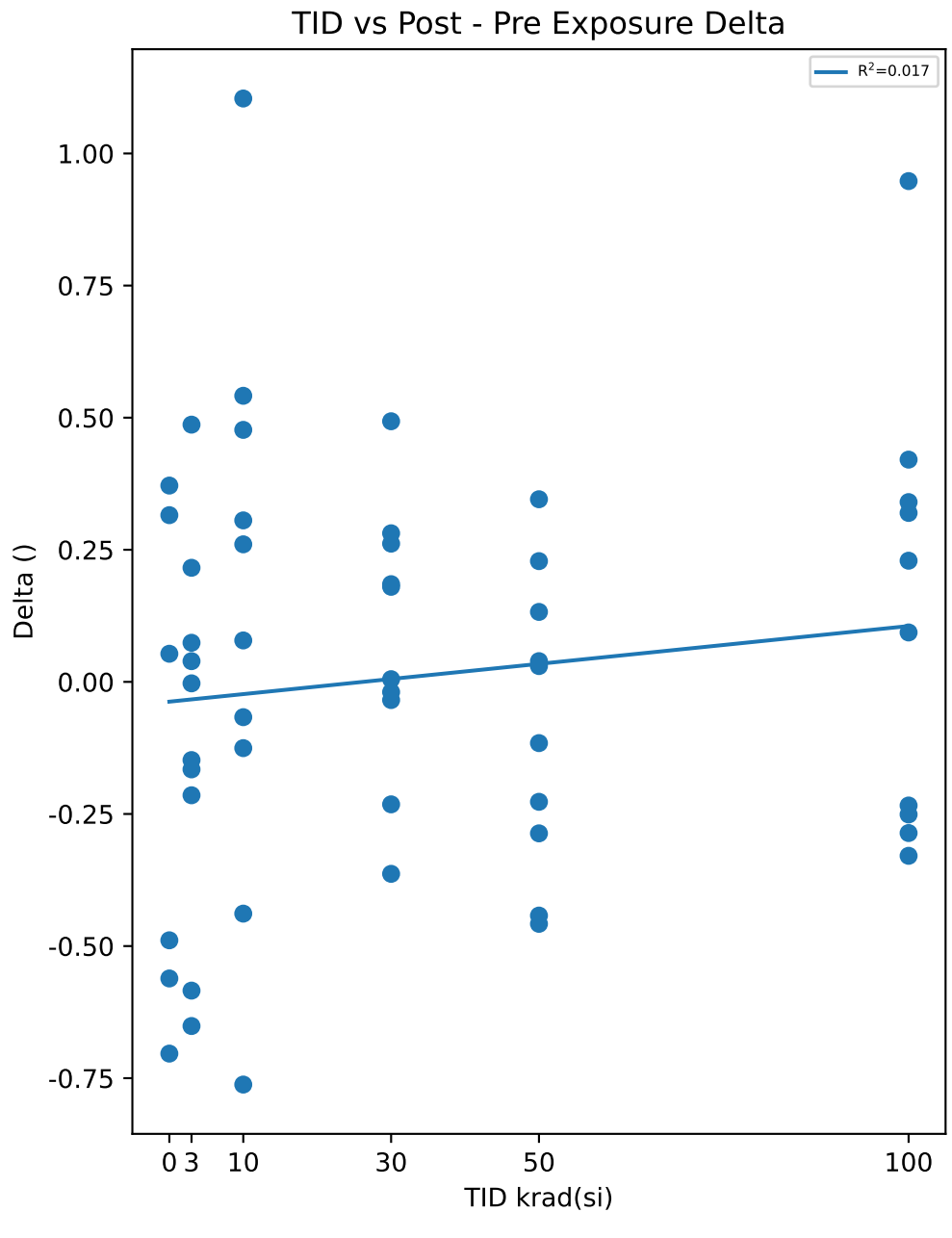
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	LDR Biased	172.43	172.08	-0.3454
2	3	LDR Biased	168.81	169.21	0.3952
3	3	LDR Biased	161.17	161.05	-0.1248
4	3	LDR Biased	172.48	171.6	-0.8762
5	3	LDR Biased	162.95	163.64	0.6901
6	10	LDR Biased	172.09	172.7	0.6069
7	10	LDR Biased	172.04	171.3	-0.7449
8	10	LDR Biased	167.57	167.77	0.206
9	10	LDR Biased	169.42	169.89	0.471
10	10	LDR Biased	171.57	171.98	0.4107
11	30	LDR Biased	167.95	168.86	0.9123
12	30	LDR Biased	170.18	170.28	0.107
13	30	LDR Biased	165.75	166.14	0.3928
14	30	LDR Biased	167.86	168.41	0.5584
15	30	LDR Biased	170.45	173.29	2.8376
16	50	LDR Biased	165.9	166.81	0.9113
17	50	LDR Biased	167.17	166.2	-0.9727
18	50	LDR Biased	157.2	156.02	-1.1781
19	50	LDR Biased	166.64	166.76	0.1267
20	50	LDR Biased	165.87	166.58	0.7089
21	100	LDR Biased	171.83	175.79	3.9679
22	100	LDR Biased	175.22	180.06	4.8403
23	100	LDR Biased	168.11	173.48	5.372
24	100	LDR Biased	168.73	173.05	4.3234
25	100	LDR Biased	162.52	169.52	7.0012
26	3	LDR Unbiased	165.74	166.1	0.3607
27	3	LDR Unbiased	169.17	168.77	-0.3964
28	3	LDR Unbiased	165.52	165.74	0.2194
29	3	LDR Unbiased	165.91	165.78	-0.1293
30	3	LDR Unbiased	165.91	165.87	-0.0346
31	10	LDR Unbiased	171.44	171.8	0.3544
32	10	LDR Unbiased	173.38	171.32	-2.0583
33	10	LDR Unbiased	165.23	166.85	1.6179
34	10	LDR Unbiased	165.62	165.05	-0.5695
35	10	LDR Unbiased	169.45	169.95	0.4986
36	30	LDR Unbiased	164.86	165.25	0.3878
37	30	LDR Unbiased	169.94	170.3	0.3606
38	30	LDR Unbiased	168.84	168.65	-0.1887
39	30	LDR Unbiased	170.47	172.07	1.6041
40	30	LDR Unbiased	166.09	167.13	1.04
41	50	LDR Unbiased	172.69	170.09	-2.5975
42	50	LDR Unbiased	169.88	168.08	-1.7982
43	50	LDR Unbiased	168.97	167.17	-1.7979
44	50	LDR Unbiased	169.26	166.32	-2.9349
45	50	LDR Unbiased	165.28	164.68	-0.6079
46	100	LDR Unbiased	169.17	168.3	-0.8663
47	100	LDR Unbiased	170.68	170.31	-0.3751
48	100	LDR Unbiased	170.96	169.03	-1.9272
49	100	LDR Unbiased	166.5	166.04	-0.4575
50	100	LDR Unbiased	165.73	163.37	-2.3638
60	0	Correlation	164.36	164.93	0.5687
61	0	Correlation	161.54	161.74	0.2003
62	0	Correlation	170.41	170.18	-0.2302
63	0	Correlation	172.28	172.28	0.0015
64	0	Correlation	170.53	170.75	0.2205
65	0	Correlation	171.53	171.92	0.3862

Test Statistics (ns)

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	161.54	168.44	172.28	4.3986	161.74	168.63	172.28	4.2929	-0.2302	0.19117	0.5687	0.28108
3	161.17	167.01	172.48	3.7102	161.05	166.98	172.08	3.445	-0.8762	-0.02413	0.6901	0.45735
10	165.23	169.78	173.38	2.837	165.05	169.86	172.7	2.5166	-2.0583	0.07928	1.6179	0.99141
30	164.86	168.24	170.47	2.0893	165.25	169.04	173.29	2.5236	-0.1887	0.80119	2.8376	0.87645
50	157.2	166.88	172.69	4.0975	156.02	165.87	170.09	3.7311	-2.9349	-1.014	0.9113	1.3164
100	162.52	168.94	175.22	3.5469	163.37	170.9	180.06	4.8542	-2.3638	1.9515	7.0012	3.465

Device Test: 24.57 _TIMING|PHASESHIFT/SYNC1/5//511k//@SYNC_PH_SHIFT





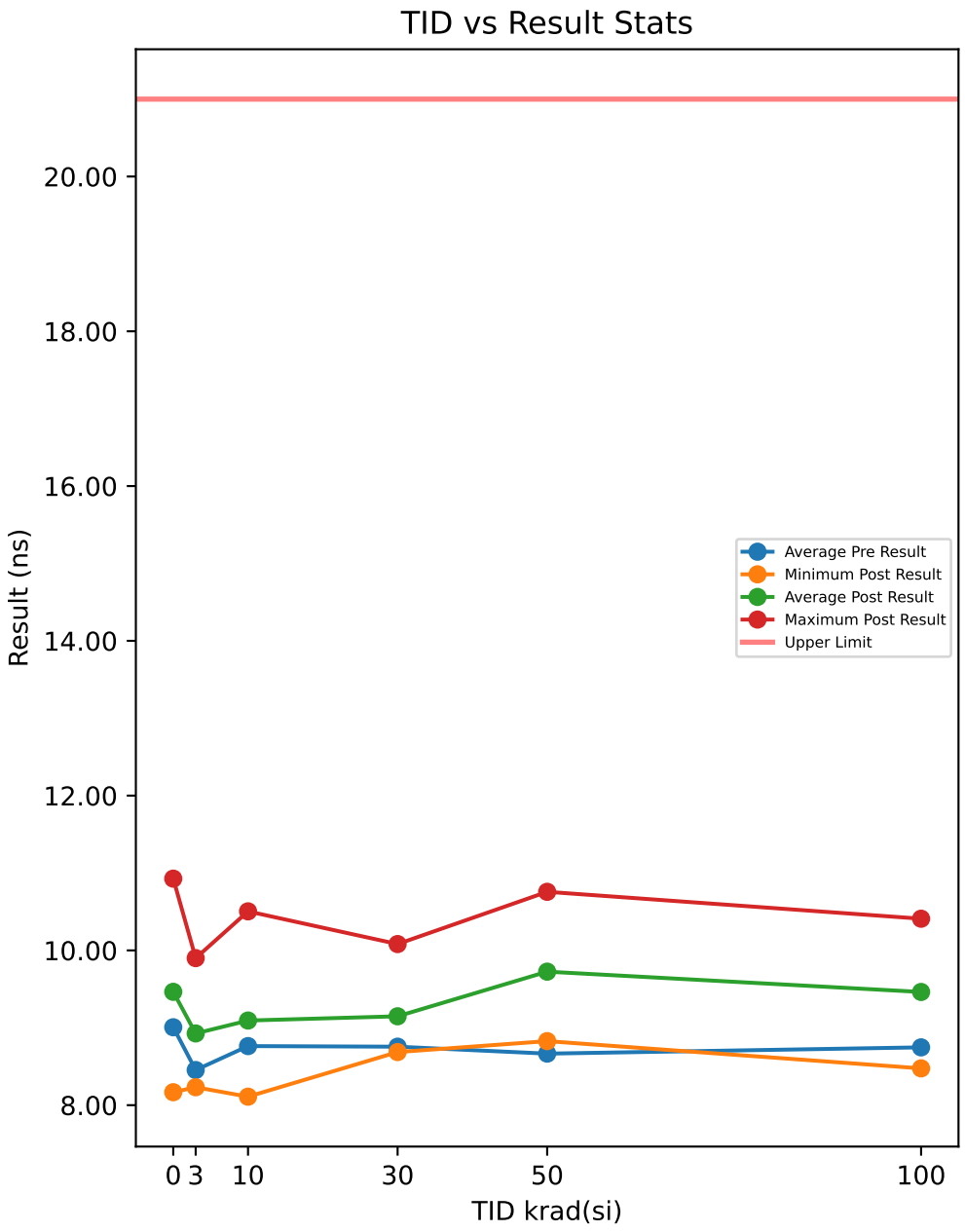
Test Results (Lower Limit = 82.0, Upper Limit = 98.0 ())

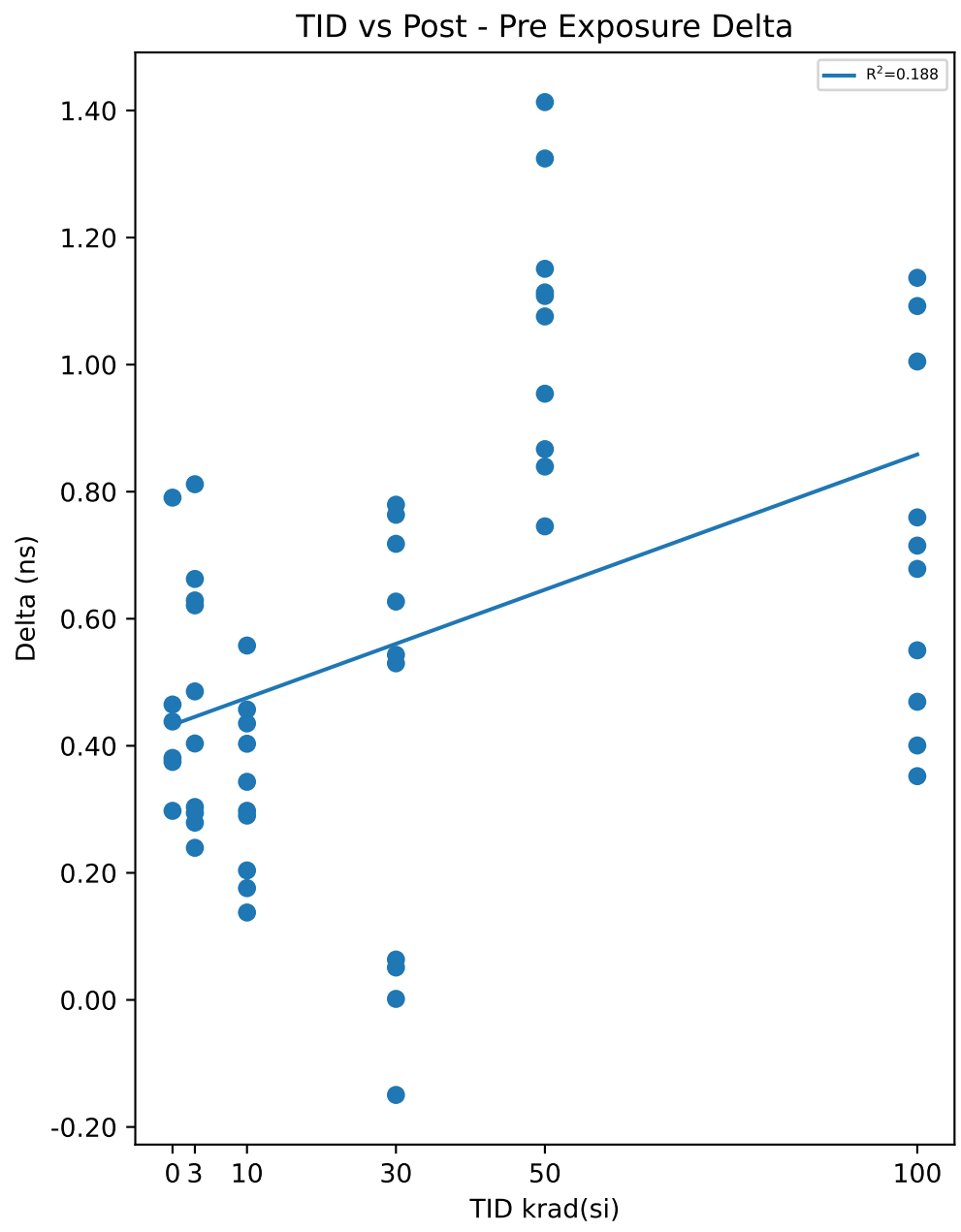
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	LDR Biased	89.673	89.67	-0.0028
2	3	LDR Biased	88.95	89.436	0.4868
3	3	LDR Biased	89.532	89.748	0.2159
4	3	LDR Biased	89.335	89.374	0.0392
5	3	LDR Biased	89.956	89.372	-0.5843
6	10	LDR Biased	89.362	89.839	0.4769
7	10	LDR Biased	89.692	89.253	-0.4386
8	10	LDR Biased	89.554	89.632	0.0784
9	10	LDR Biased	89.035	90.139	1.104
10	10	LDR Biased	90.128	90.003	-0.1254
11	30	LDR Biased	89.342	89.835	0.4932
12	30	LDR Biased	89.527	89.507	-0.0193
13	30	LDR Biased	89.818	89.455	-0.3633
14	30	LDR Biased	89.914	89.919	0.0051
15	30	LDR Biased	89.473	89.438	-0.0344
16	50	LDR Biased	89.254	89.293	0.0392
17	50	LDR Biased	90.035	89.577	-0.4579
18	50	LDR Biased	89.323	89.207	-0.1159
19	50	LDR Biased	89.871	89.644	-0.227
20	50	LDR Biased	89.709	89.841	0.1324
21	100	LDR Biased	89.504	89.27	-0.234
22	100	LDR Biased	89.657	89.977	0.3197
23	100	LDR Biased	89.541	89.77	0.2293
24	100	LDR Biased	89.119	90.067	0.9477
25	100	LDR Biased	89.795	89.544	-0.2509
26	3	LDR Unbiased	89.541	89.393	-0.148
27	3	LDR Unbiased	89.925	89.76	-0.1656
28	3	LDR Unbiased	89.773	89.122	-0.6513
29	3	LDR Unbiased	89.522	89.596	0.074
30	3	LDR Unbiased	89.989	89.774	-0.2146
31	10	LDR Unbiased	89.475	89.735	0.2603
32	10	LDR Unbiased	89.15	89.691	0.5414
33	10	LDR Unbiased	89.401	89.707	0.3056
34	10	LDR Unbiased	90.137	89.375	-0.7621
35	10	LDR Unbiased	89.865	89.799	-0.0668
36	30	LDR Unbiased	89.788	89.968	0.1799
37	30	LDR Unbiased	89.577	89.859	0.2812
38	30	LDR Unbiased	89.27	89.455	0.1849
39	30	LDR Unbiased	90.039	89.807	-0.2318
40	30	LDR Unbiased	89.538	89.799	0.2616
41	50	LDR Unbiased	89.482	89.512	0.0299
42	50	LDR Unbiased	89.554	89.9	0.3456
43	50	LDR Unbiased	89.632	89.19	-0.4423
44	50	LDR Unbiased	89.535	89.249	-0.2867
45	50	LDR Unbiased	89.314	89.543	0.2285
46	100	LDR Unbiased	90.046	89.759	-0.2861
47	100	LDR Unbiased	89.485	89.825	0.3402
48	100	LDR Unbiased	90.114	89.785	-0.3292
49	100	LDR Unbiased	89.208	89.629	0.4206
50	100	LDR Unbiased	89.498	89.591	0.0935
60	0	Correlation	90.116	89.627	-0.4891
61	0	Correlation	89.463	89.516	0.0532
62	0	Correlation	89.621	89.937	0.3155
63	0	Correlation	89.742	89.038	-0.7035
64	0	Correlation	90.286	89.725	-0.5613
65	0	Correlation	89.373	89.744	0.3715

Test Statistics ()

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	89.373	89.767	90.286	0.36356	89.038	89.598	89.937	0.30756	-0.7035	-0.16895	0.3715	0.47293
3	88.95	89.62	89.989	0.32024	89.122	89.525	89.774	0.21787	-0.6513	-0.09507	0.4868	0.34338
10	89.035	89.58	90.137	0.37686	89.253	89.717	90.139	0.2628	-0.7621	0.13737	1.104	0.52824
30	89.27	89.629	90.039	0.25109	89.438	89.704	89.968	0.21347	-0.3633	0.07571	0.4932	0.25545
50	89.254	89.571	90.035	0.25061	89.19	89.496	89.9	0.25654	-0.4579	-0.07542	0.3456	0.27632
100	89.119	89.597	90.114	0.32056	89.27	89.722	90.067	0.22696	-0.3292	0.12508	0.9477	0.40904

Device Test: 24.58 _TIMING|RISE/SYNC1/5//511k//@SYNC_LH_RISE_TIME





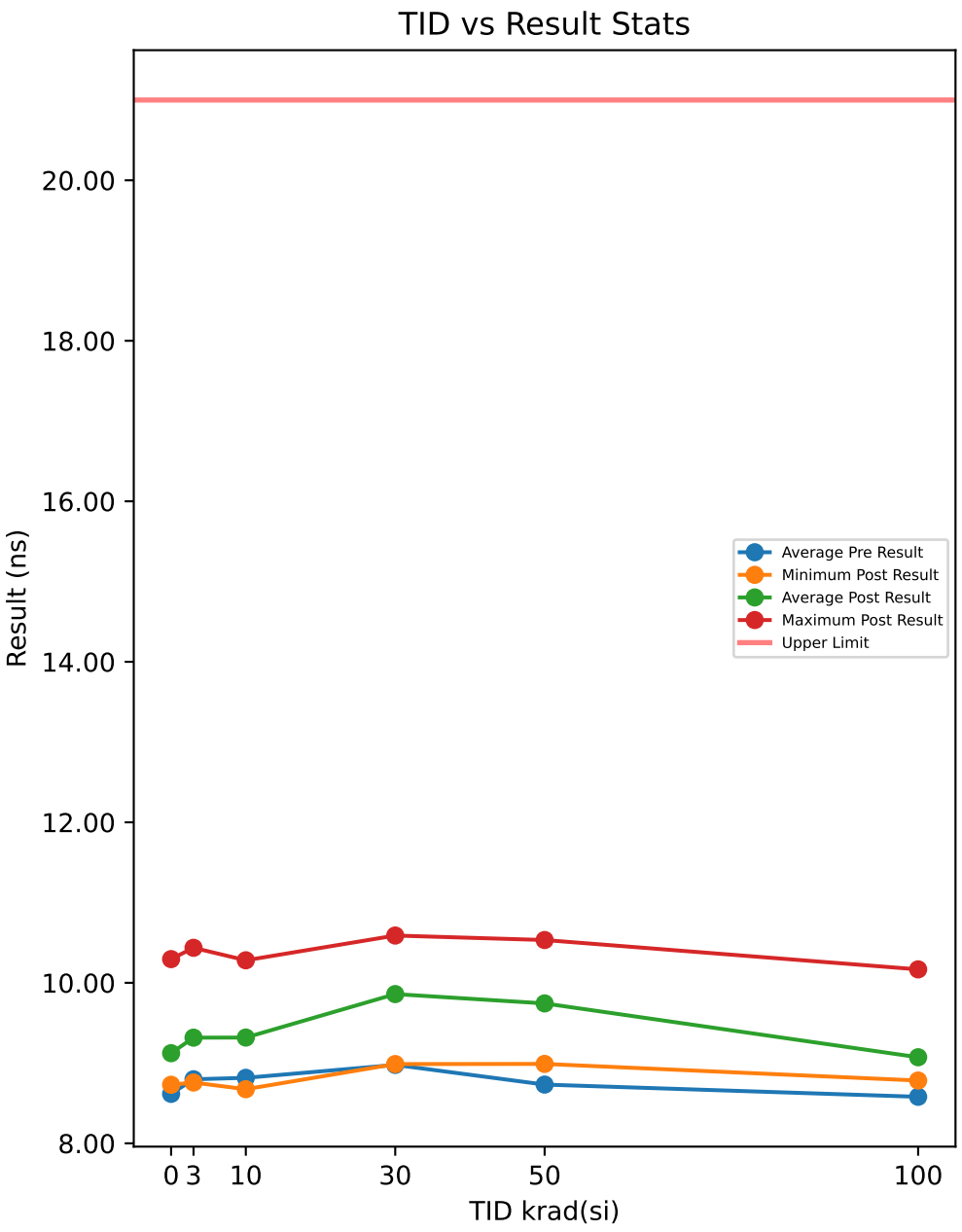
Test Results (Upper Limit = 21.0 (ns))

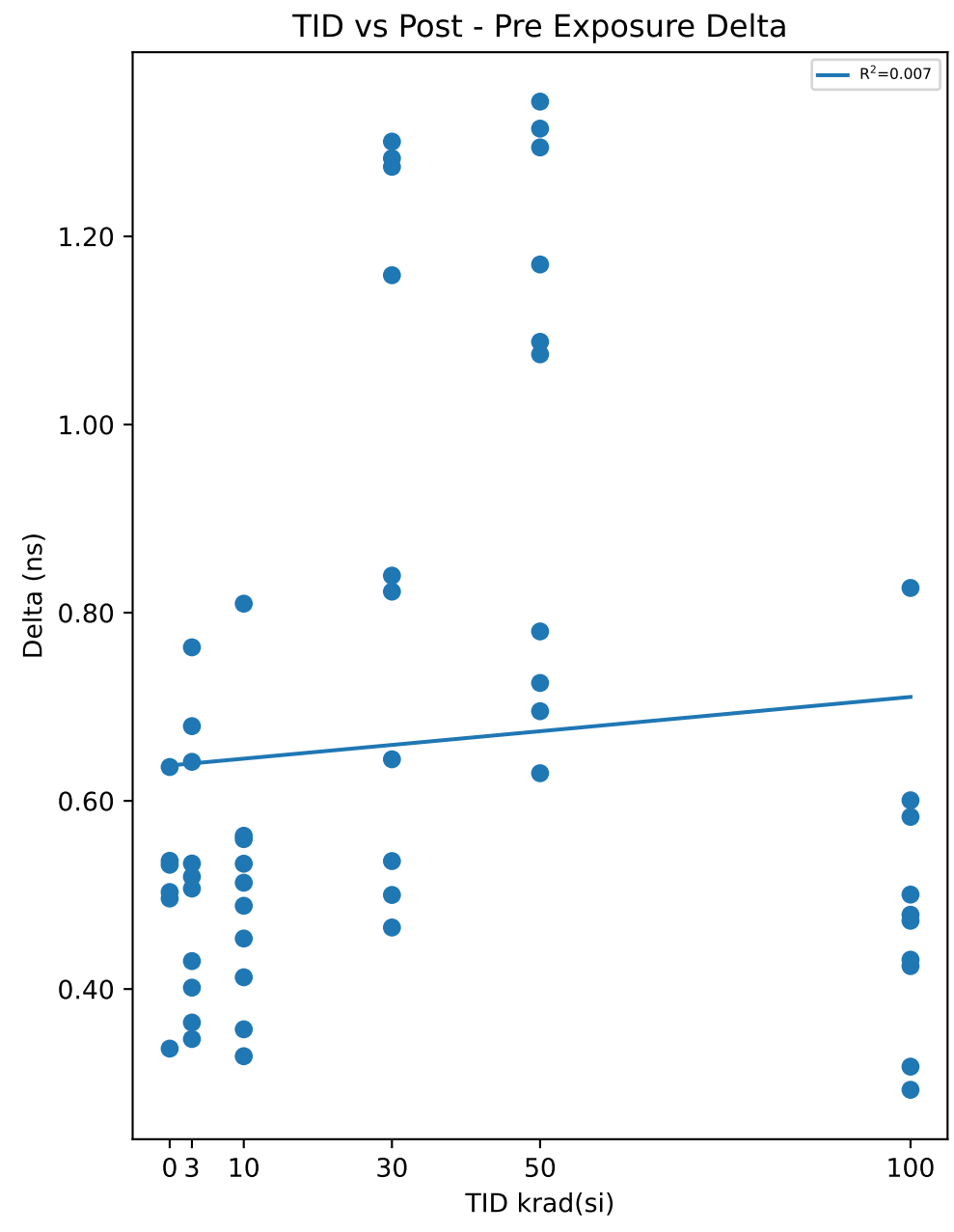
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	LDR Biased	8.1564	8.642	0.4856
2	3	LDR Biased	8.7761	9.3971	0.621
3	3	LDR Biased	9.2076	9.5019	0.2943
4	3	LDR Biased	8.4621	8.8657	0.4036
5	3	LDR Biased	8.2929	8.9217	0.6288
6	10	LDR Biased	10.214	10.505	0.2901
7	10	LDR Biased	8.0564	8.2323	0.1759
8	10	LDR Biased	9.3513	9.5551	0.2038
9	10	LDR Biased	7.972	8.1096	0.1376
10	10	LDR Biased	8.1913	8.5346	0.3433
11	30	LDR Biased	7.9684	8.6863	0.7179
12	30	LDR Biased	10.018	10.082	0.0635
13	30	LDR Biased	8.5502	9.0934	0.5432
14	30	LDR Biased	9.4437	9.4453	0.0016
15	30	LDR Biased	8.0766	8.7036	0.627
16	50	LDR Biased	9.4273	10.535	1.108
17	50	LDR Biased	8.082	8.8274	0.7454
18	50	LDR Biased	8.0631	9.1767	1.1136
19	50	LDR Biased	8.1537	8.9932	0.8395
20	50	LDR Biased	8.8243	10.238	1.4132
21	100	LDR Biased	8.3114	9.4036	1.0922
22	100	LDR Biased	8.6249	9.3844	0.7595
23	100	LDR Biased	9.731	10.409	0.6784
24	100	LDR Biased	8.4086	9.5452	1.1366
25	100	LDR Biased	8.5357	9.086	0.5503
26	3	LDR Unbiased	8.0022	8.2812	0.279
27	3	LDR Unbiased	8.2349	8.5385	0.3036
28	3	LDR Unbiased	8.3266	8.9892	0.6626
29	3	LDR Unbiased	9.0883	9.9	0.8117
30	3	LDR Unbiased	7.9925	8.2319	0.2394
31	10	LDR Unbiased	9.8549	10.312	0.4571
32	10	LDR Unbiased	8.3742	8.7774	0.4032
33	10	LDR Unbiased	9.3522	9.6499	0.2977
34	10	LDR Unbiased	8.2385	8.7963	0.5578
35	10	LDR Unbiased	8.0289	8.4641	0.4352
36	30	LDR Unbiased	8.587	9.1168	0.5298
37	30	LDR Unbiased	9.403	9.2534	-0.1496
38	30	LDR Unbiased	8.0658	8.8453	0.7795
39	30	LDR Unbiased	8.0418	8.8054	0.7636
40	30	LDR Unbiased	9.4024	9.4534	0.051
41	50	LDR Unbiased	8.5377	9.6885	1.1508
42	50	LDR Unbiased	8.2853	9.3611	1.0758
43	50	LDR Unbiased	9.3337	10.288	0.9542
44	50	LDR Unbiased	9.89	10.757	0.8669
45	50	LDR Unbiased	8.0634	9.3878	1.3244
46	100	LDR Unbiased	9.1902	10.195	1.0049
47	100	LDR Unbiased	8.553	9.0223	0.4693
48	100	LDR Unbiased	9.3227	9.6749	0.3522
49	100	LDR Unbiased	8.075	8.4755	0.4005
50	100	LDR Unbiased	8.7174	9.4325	0.7151
60	0	Correlation	8.8367	9.6273	0.7906
61	0	Correlation	9.0321	9.4067	0.3746
62	0	Correlation	7.8697	8.1673	0.2976
63	0	Correlation	8.4688	8.8497	0.3809
64	0	Correlation	10.462	10.927	0.4649
65	0	Correlation	9.3711	9.8093	0.4382

Test Statistics (ns)

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	7.8697	9.0068	10.462	0.879	8.1673	9.4646	10.927	0.93262	0.2976	0.4578	0.7906	0.17303
3	7.9925	8.454	9.2076	0.43075	8.2319	8.9269	9.9	0.54142	0.2394	0.47296	0.8117	0.19851
10	7.972	8.7634	10.214	0.84387	8.1096	9.0936	10.505	0.85666	0.1376	0.33017	0.5578	0.13498
30	7.9684	8.7557	10.018	0.74846	8.6863	9.1485	10.082	0.4331	-0.1496	0.39275	0.7795	0.35924
50	8.0631	8.6661	9.89	0.67	8.8274	9.7252	10.757	0.68233	0.7454	1.0592	1.4132	0.21197
100	8.075	8.747	9.731	0.51099	8.4755	9.4629	10.409	0.55831	0.3522	0.7159	1.1366	0.2839

Device Test: 24.59 _TIMING|RISE/SYNC2/5//511k//@SYNC_LH_RISE_TIME





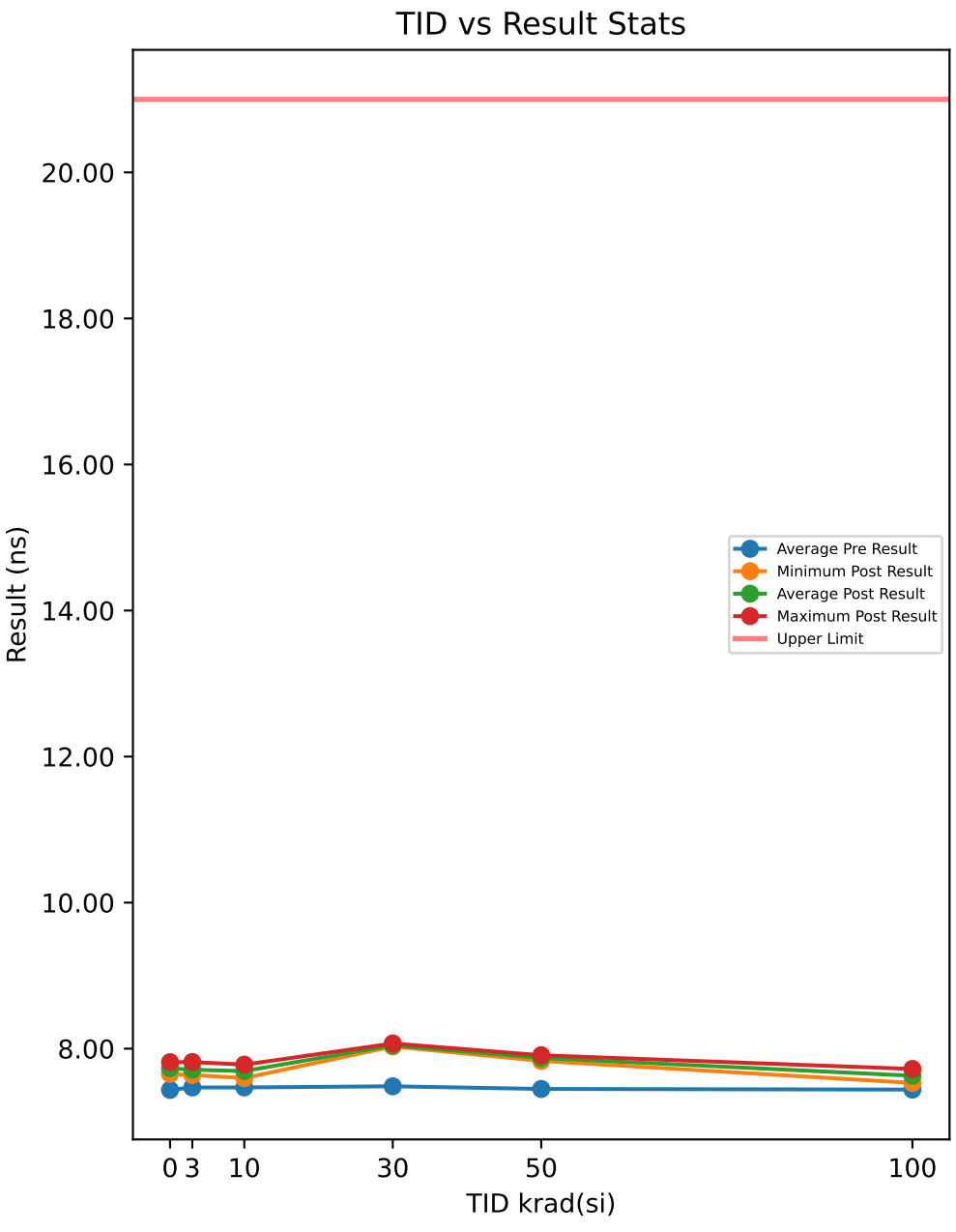
Test Results (Upper Limit = 21.0 (ns))

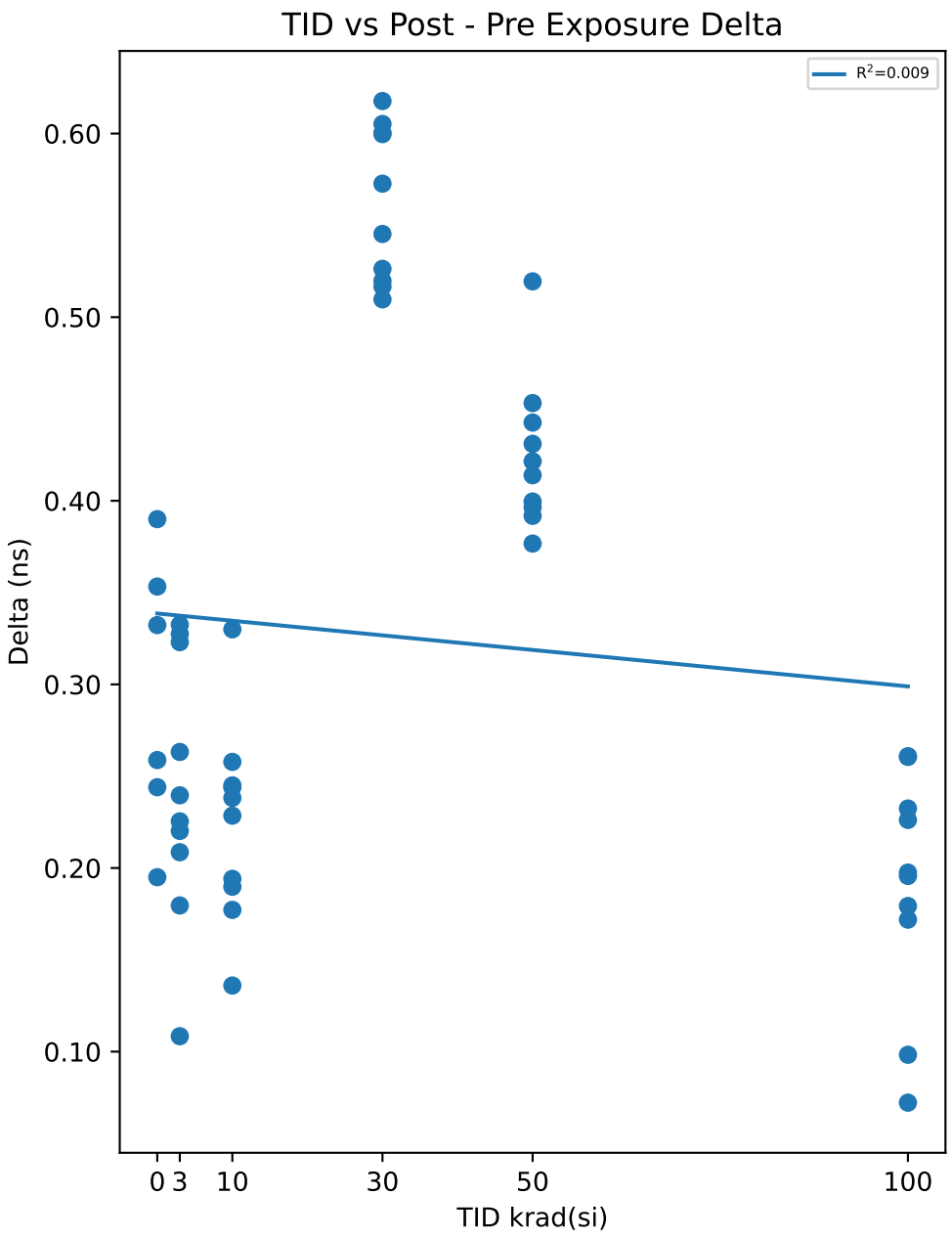
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	LDR Biased	8.8083	9.3417	0.5334
2	3	LDR Biased	8.5071	8.8715	0.3644
3	3	LDR Biased	8.4103	8.7572	0.3469
4	3	LDR Biased	8.5863	9.0931	0.5068
5	3	LDR Biased	8.7626	9.1923	0.4297
6	10	LDR Biased	8.2206	8.6743	0.4537
7	10	LDR Biased	9.8318	10.16	0.3286
8	10	LDR Biased	8.341	8.9039	0.5629
9	10	LDR Biased	9.7473	10.28	0.5332
10	10	LDR Biased	8.7004	9.1129	0.4125
11	30	LDR Biased	9.8949	10.395	0.5
12	30	LDR Biased	8.3432	8.9874	0.6442
13	30	LDR Biased	8.5689	9.8696	1.3007
14	30	LDR Biased	8.3805	9.2199	0.8394
15	30	LDR Biased	10.053	10.589	0.536
16	50	LDR Biased	8.3599	8.9893	0.6294
17	50	LDR Biased	9.2387	10.533	1.2945
18	50	LDR Biased	8.9247	10.013	1.0879
19	50	LDR Biased	9.1564	10.5	1.3432
20	50	LDR Biased	8.4559	9.236	0.7801
21	100	LDR Biased	8.6554	8.9483	0.2929
22	100	LDR Biased	8.5102	8.9346	0.4244
23	100	LDR Biased	8.3511	8.7823	0.4312
24	100	LDR Biased	8.5067	9.0071	0.5004
25	100	LDR Biased	8.5806	9.0596	0.479
26	3	LDR Unbiased	9.599	10.362	0.7632
27	3	LDR Unbiased	8.6884	9.3299	0.6415
28	3	LDR Unbiased	8.4632	8.9826	0.5194
29	3	LDR Unbiased	8.3976	8.7991	0.4015
30	3	LDR Unbiased	9.7567	10.436	0.6794
31	10	LDR Unbiased	8.3366	8.6938	0.3572
32	10	LDR Unbiased	8.6271	9.1401	0.513
33	10	LDR Unbiased	8.353	8.9123	0.5593
34	10	LDR Unbiased	8.7342	9.2227	0.4885
35	10	LDR Unbiased	9.2682	10.078	0.8096
36	30	LDR Unbiased	8.4944	9.7683	1.2739
37	30	LDR Unbiased	8.4201	9.5788	1.1587
38	30	LDR Unbiased	9.1326	10.416	1.283
39	30	LDR Unbiased	10.118	10.584	0.4654
40	30	LDR Unbiased	8.3642	9.1866	0.8224
41	50	LDR Unbiased	8.4686	9.6387	1.1701
42	50	LDR Unbiased	8.725	10.04	1.3145
43	50	LDR Unbiased	8.4425	9.1378	0.6953
44	50	LDR Unbiased	8.2796	9.0049	0.7253
45	50	LDR Unbiased	9.2664	10.341	1.0746
46	100	LDR Unbiased	8.4016	8.8742	0.4726
47	100	LDR Unbiased	8.518	9.101	0.583
48	100	LDR Unbiased	8.4061	9.0067	0.6006
49	100	LDR Unbiased	9.3411	10.167	0.8263
50	100	LDR Unbiased	8.5262	8.8437	0.3175
60	0	Correlation	8.4582	8.9903	0.5321
61	0	Correlation	8.384	8.8802	0.4962
62	0	Correlation	9.6593	10.295	0.636
63	0	Correlation	8.5942	8.9309	0.3367
64	0	Correlation	8.1933	8.7296	0.5363
65	0	Correlation	8.4086	8.9117	0.5031

Test Statistics (ns)

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	8.1933	8.6163	9.6593	0.52714	8.7296	9.123	10.295	0.58089	0.3367	0.50673	0.636	0.097224
3	8.3976	8.798	9.7567	0.48605	8.7572	9.3166	10.436	0.60582	0.3469	0.51862	0.7632	0.13985
10	8.2206	8.816	9.8318	0.59477	8.6743	9.3179	10.28	0.6179	0.3286	0.50185	0.8096	0.1351
30	8.3432	8.977	10.118	0.75793	8.9874	9.8594	10.589	0.61124	0.4654	0.88237	1.3007	0.34438
50	8.2796	8.7318	9.2664	0.38473	8.9893	9.7433	10.533	0.62022	0.6294	1.0115	1.3432	0.27855
100	8.3511	8.5797	9.3411	0.28214	8.7823	9.0725	10.167	0.39703	0.2929	0.49279	0.8263	0.15304

Device Test: 24.60 _TIMING|FALL/SYNC1/5//511k//@SYNC_HL_FALL_TIME





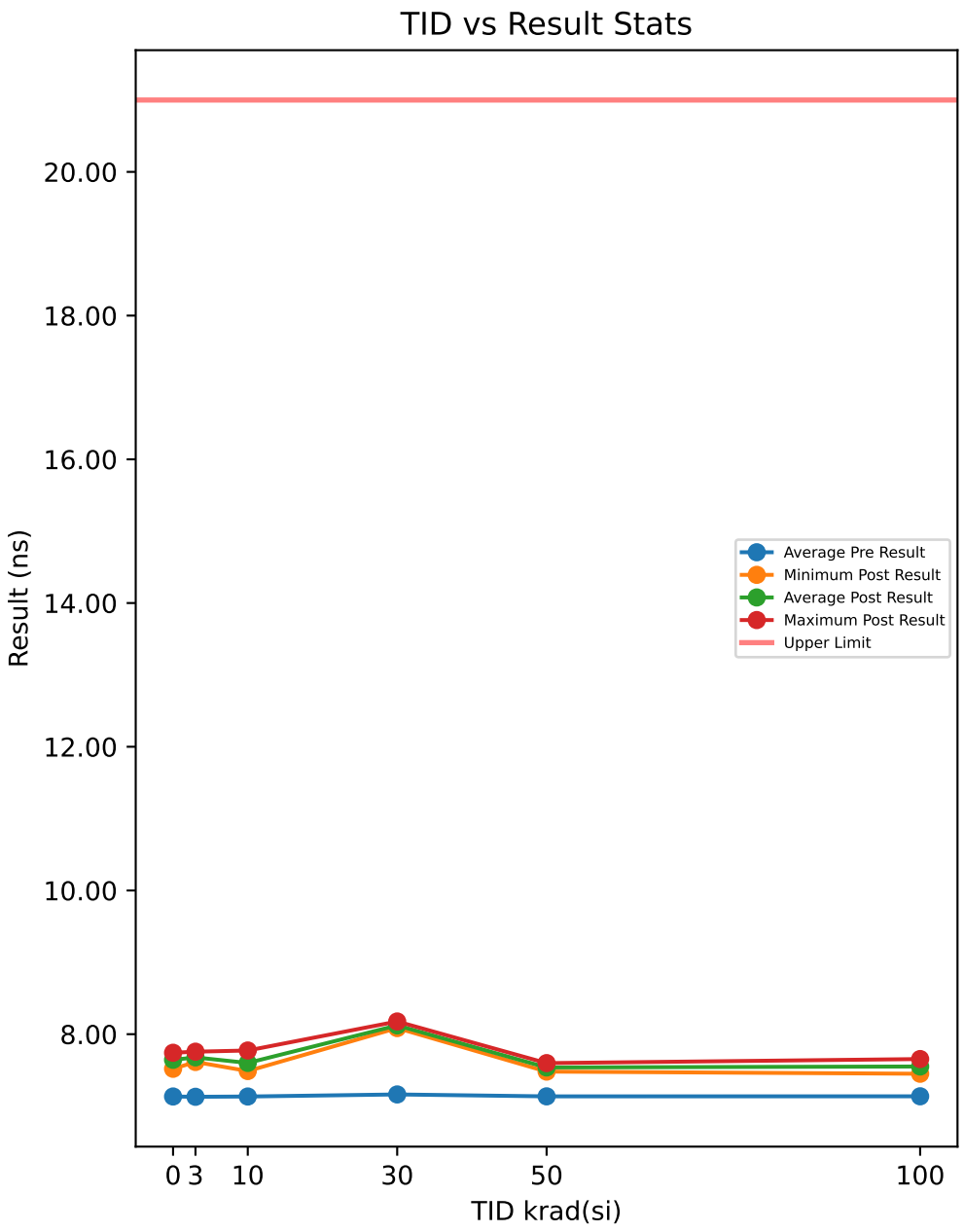
Test Results (Upper Limit = 21.0 (ns))

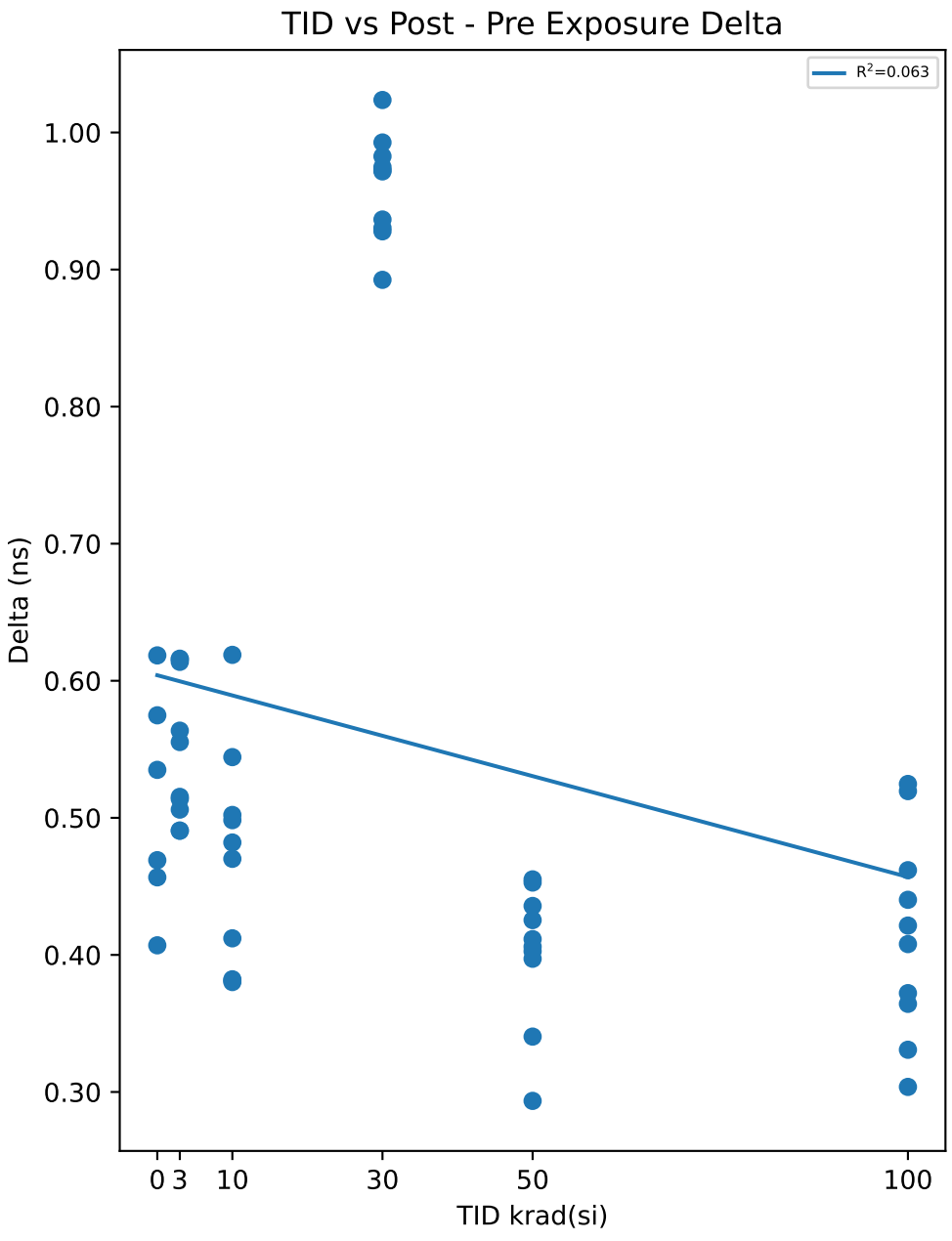
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	LDR Biased	7.4841	7.8166	0.3325
2	3	LDR Biased	7.4784	7.8014	0.323
3	3	LDR Biased	7.4657	7.6859	0.2202
4	3	LDR Biased	7.43	7.6932	0.2632
5	3	LDR Biased	7.4612	7.6866	0.2254
6	10	LDR Biased	7.4242	7.7542	0.33
7	10	LDR Biased	7.4728	7.6669	0.1941
8	10	LDR Biased	7.4925	7.721	0.2285
9	10	LDR Biased	7.4376	7.6954	0.2578
10	10	LDR Biased	7.5374	7.7813	0.2439
11	30	LDR Biased	7.5024	8.0477	0.5453
12	30	LDR Biased	7.4678	8.0405	0.5727
13	30	LDR Biased	7.5088	8.0351	0.5263
14	30	LDR Biased	7.538	8.0477	0.5097
15	30	LDR Biased	7.5104	8.0302	0.5198
16	50	LDR Biased	7.4011	7.8321	0.431
17	50	LDR Biased	7.4618	7.8833	0.4215
18	50	LDR Biased	7.4457	7.8375	0.3918
19	50	LDR Biased	7.5074	7.9038	0.3964
20	50	LDR Biased	7.3904	7.9099	0.5195
21	100	LDR Biased	7.4361	7.6154	0.1793
22	100	LDR Biased	7.4176	7.6151	0.1975
23	100	LDR Biased	7.3975	7.6584	0.2609
24	100	LDR Biased	7.4614	7.7219	0.2605
25	100	LDR Biased	7.4375	7.6637	0.2262
26	3	LDR Unbiased	7.471	7.7106	0.2396
27	3	LDR Unbiased	7.4581	7.6667	0.2086
28	3	LDR Unbiased	7.4958	7.6754	0.1796
29	3	LDR Unbiased	7.532	7.6404	0.1084
30	3	LDR Unbiased	7.4095	7.737	0.3275
31	10	LDR Unbiased	7.4693	7.7075	0.2382
32	10	LDR Unbiased	7.4386	7.6836	0.245
33	10	LDR Unbiased	7.4928	7.67	0.1772
34	10	LDR Unbiased	7.461	7.597	0.136
35	10	LDR Unbiased	7.4643	7.6541	0.1898
36	30	LDR Unbiased	7.4484	8.0481	0.5997
37	30	LDR Unbiased	7.4599	8.0651	0.6052
38	30	LDR Unbiased	7.4357	8.0361	0.6004
39	30	LDR Unbiased	7.4536	8.0713	0.6177
40	30	LDR Unbiased	7.5213	8.038	0.5167
41	50	LDR Unbiased	7.4593	7.8732	0.4139
42	50	LDR Unbiased	7.4456	7.8882	0.4426
43	50	LDR Unbiased	7.5143	7.891	0.3767
44	50	LDR Unbiased	7.4057	7.8589	0.4532
45	50	LDR Unbiased	7.4508	7.8504	0.3996
46	100	LDR Unbiased	7.516	7.6143	0.0983
47	100	LDR Unbiased	7.3916	7.5873	0.1957
48	100	LDR Unbiased	7.4589	7.5311	0.0722
49	100	LDR Unbiased	7.4557	7.6276	0.1719
50	100	LDR Unbiased	7.4242	7.6566	0.2324
60	0	Correlation	7.4567	7.7155	0.2588
61	0	Correlation	7.461	7.8143	0.3533
62	0	Correlation	7.3611	7.7511	0.39
63	0	Correlation	7.4681	7.7121	0.244
64	0	Correlation	7.4047	7.737	0.3323
65	0	Correlation	7.4592	7.6542	0.195

Test Statistics (ns)

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	7.3611	7.4351	7.4681	0.042912	7.6542	7.7307	7.8143	0.052676	0.195	0.29557	0.39	0.074464
3	7.4095	7.4686	7.532	0.03376	7.6404	7.7114	7.8166	0.057498	0.1084	0.2428	0.3325	0.071585
10	7.4242	7.4691	7.5374	0.033024	7.597	7.6931	7.7813	0.052249	0.136	0.22405	0.33	0.053161
30	7.4357	7.4846	7.538	0.035468	8.0302	8.046	8.0713	0.013232	0.5097	0.56135	0.6177	0.042291
50	7.3904	7.4482	7.5143	0.04159	7.8321	7.8728	7.9099	0.027108	0.3767	0.42462	0.5195	0.040965
100	7.3916	7.4397	7.516	0.036145	7.5311	7.6291	7.7219	0.050968	0.0722	0.18949	0.2609	0.063175

Device Test: 24.61 _TIMING|FALL/SYNC2/5//511k//@SYNC_HL_FALL_TIME





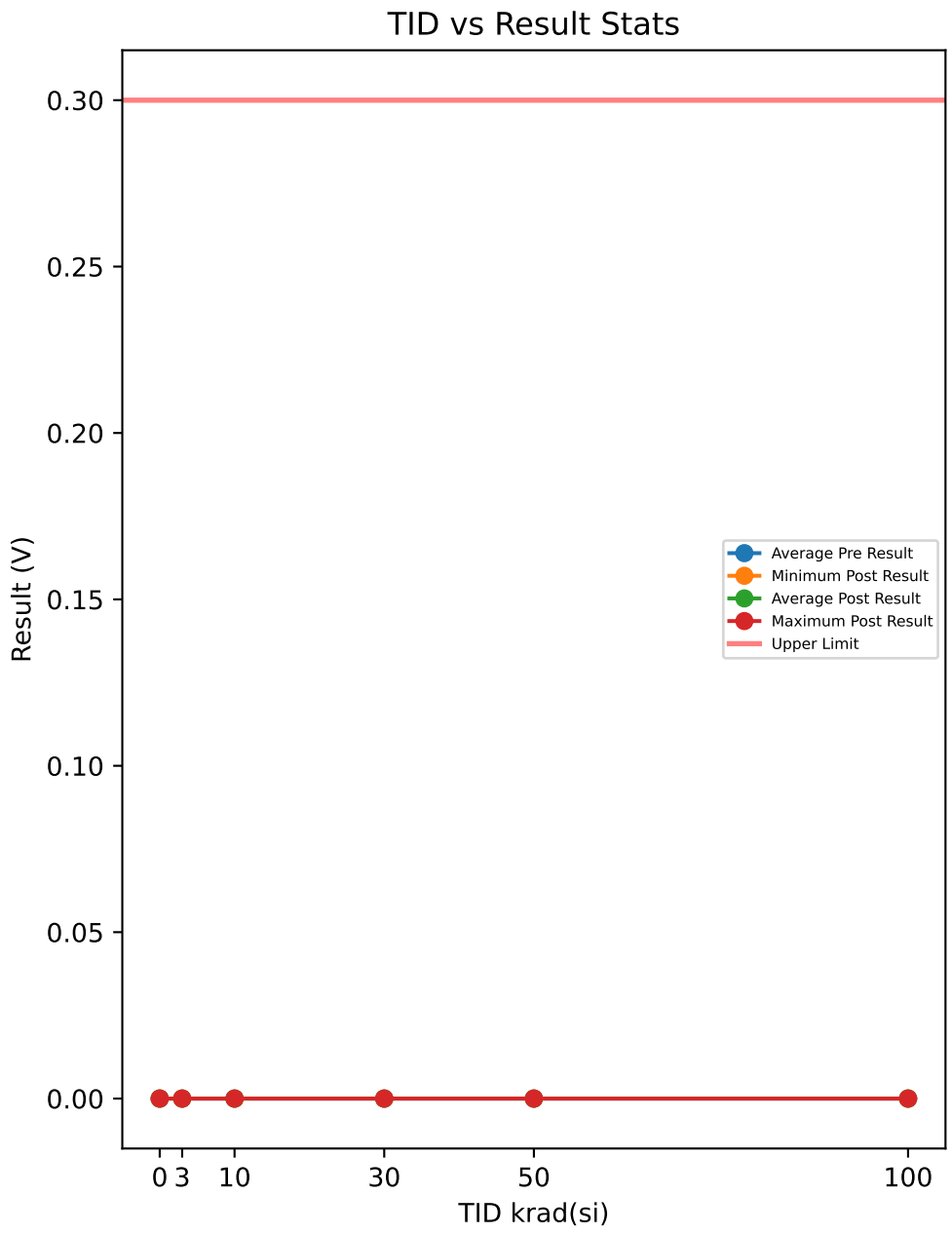
Test Results (Upper Limit = 21.0 (ns))

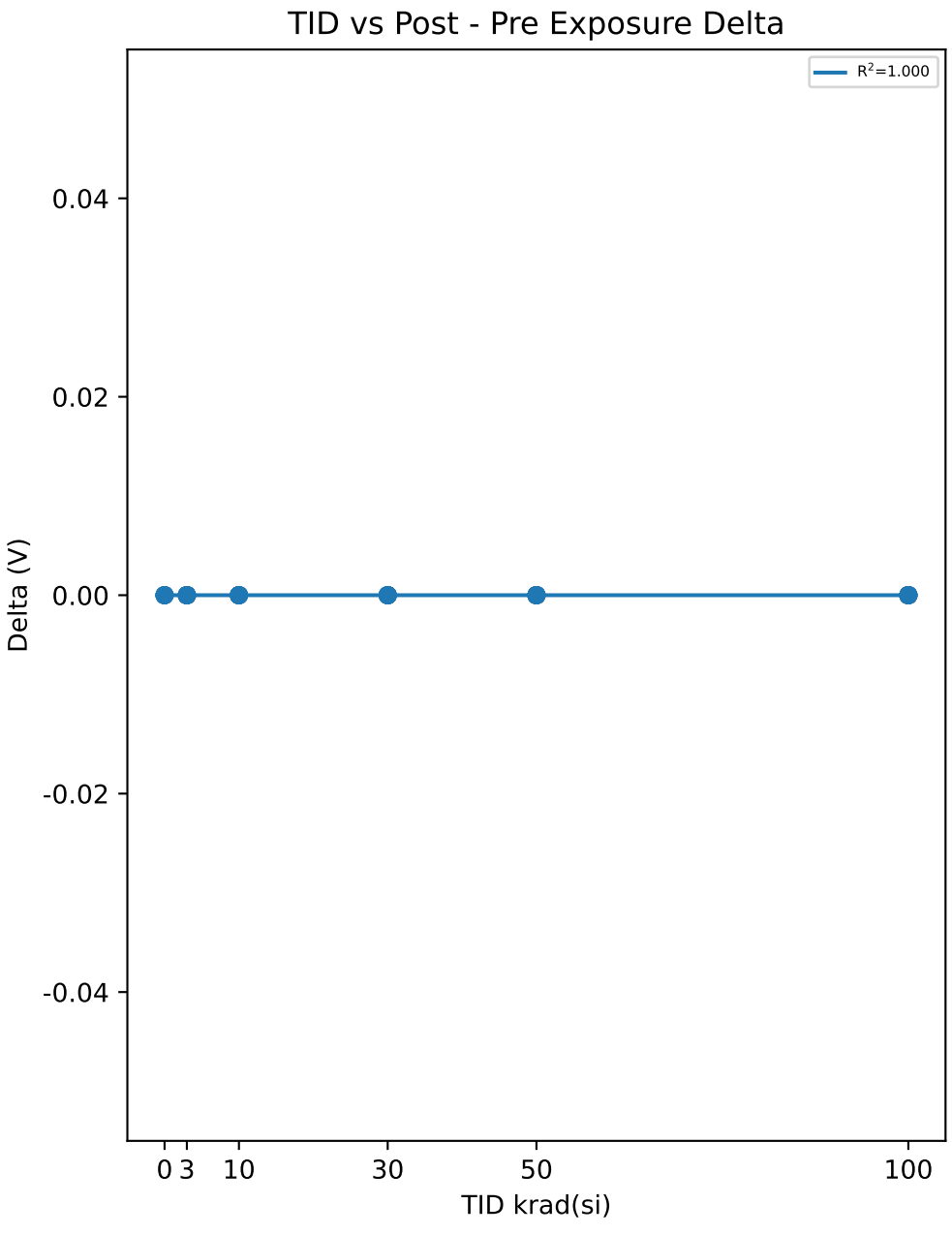
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	LDR Biased	7.121	7.6846	0.5636
2	3	LDR Biased	7.1354	7.7492	0.6138
3	3	LDR Biased	7.1407	7.7564	0.6157
4	3	LDR Biased	7.0955	7.7116	0.6161
5	3	LDR Biased	7.1326	7.6464	0.5138
6	10	LDR Biased	7.1327	7.514	0.3813
7	10	LDR Biased	7.0835	7.5536	0.4701
8	10	LDR Biased	7.1575	7.6558	0.4983
9	10	LDR Biased	7.1048	7.487	0.3822
10	10	LDR Biased	7.1444	7.6887	0.5443
11	30	LDR Biased	7.1177	8.0893	0.9716
12	30	LDR Biased	7.1471	8.1398	0.9927
13	30	LDR Biased	7.1546	8.085	0.9304
14	30	LDR Biased	7.1812	8.1091	0.9279
15	30	LDR Biased	7.1083	8.132	1.0237
16	50	LDR Biased	7.0991	7.5051	0.406
17	50	LDR Biased	7.1399	7.5371	0.3972
18	50	LDR Biased	7.0656	7.5184	0.4528
19	50	LDR Biased	7.1427	7.5681	0.4254
20	50	LDR Biased	7.1615	7.5972	0.4357
21	100	LDR Biased	7.1198	7.6393	0.5195
22	100	LDR Biased	7.1097	7.5715	0.4618
23	100	LDR Biased	7.1293	7.654	0.5247
24	100	LDR Biased	7.1308	7.571	0.4402
25	100	LDR Biased	7.1472	7.5551	0.4079
26	3	LDR Unbiased	7.1391	7.6944	0.5553
27	3	LDR Unbiased	7.1459	7.6612	0.5153
28	3	LDR Unbiased	7.1424	7.6331	0.4907
29	3	LDR Unbiased	7.1226	7.6132	0.4906
30	3	LDR Unbiased	7.1114	7.6174	0.506
31	10	LDR Unbiased	7.1389	7.551	0.4121
32	10	LDR Unbiased	7.1314	7.6134	0.482
33	10	LDR Unbiased	7.154	7.7729	0.6189
34	10	LDR Unbiased	7.1078	7.6099	0.5021
35	10	LDR Unbiased	7.1711	7.5513	0.3802
36	30	LDR Unbiased	7.1942	8.1768	0.9826
37	30	LDR Unbiased	7.1396	8.1144	0.9748
38	30	LDR Unbiased	7.1663	8.1028	0.9365
39	30	LDR Unbiased	7.1984	8.171	0.9726
40	30	LDR Unbiased	7.2065	8.099	0.8925
41	50	LDR Unbiased	7.1332	7.5359	0.4027
42	50	LDR Unbiased	7.1817	7.5932	0.4115
43	50	LDR Unbiased	7.1916	7.4851	0.2935
44	50	LDR Unbiased	7.0926	7.5477	0.4551
45	50	LDR Unbiased	7.139	7.4794	0.3404
46	100	LDR Unbiased	7.1932	7.5575	0.3643
47	100	LDR Unbiased	7.1026	7.4747	0.3721
48	100	LDR Unbiased	7.1182	7.5396	0.4214
49	100	LDR Unbiased	7.1186	7.4494	0.3308
50	100	LDR Unbiased	7.1857	7.4894	0.3037
60	0	Correlation	7.1478	7.6044	0.4566
61	0	Correlation	7.1695	7.7045	0.535
62	0	Correlation	7.1114	7.5184	0.407
63	0	Correlation	7.1229	7.7414	0.6185
64	0	Correlation	7.0992	7.674	0.5748
65	0	Correlation	7.1463	7.6154	0.4691

Test Statistics (ns)

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	7.0992	7.1329	7.1695	0.026226	7.5184	7.643	7.7414	0.080253	0.407	0.51017	0.6185	0.079661
3	7.0955	7.1287	7.1459	0.015965	7.6132	7.6768	7.7564	0.051435	0.4906	0.54809	0.6161	0.052098
10	7.0835	7.1326	7.1711	0.026955	7.487	7.5998	7.7729	0.087078	0.3802	0.46715	0.6189	0.079288
30	7.1083	7.1614	7.2065	0.033912	8.085	8.1219	8.1768	0.032285	0.8925	0.96053	1.0237	0.038242
50	7.0656	7.1347	7.1916	0.039569	7.4794	7.5367	7.5972	0.04115	0.2935	0.40203	0.4551	0.05031
100	7.1026	7.1355	7.1932	0.030959	7.4494	7.5502	7.654	0.06612	0.3037	0.41464	0.5247	0.074355

Device Test: 24.62 _LEVELS|VOH/SYNC1/5//511k//@SYNC_OUT_HIGH





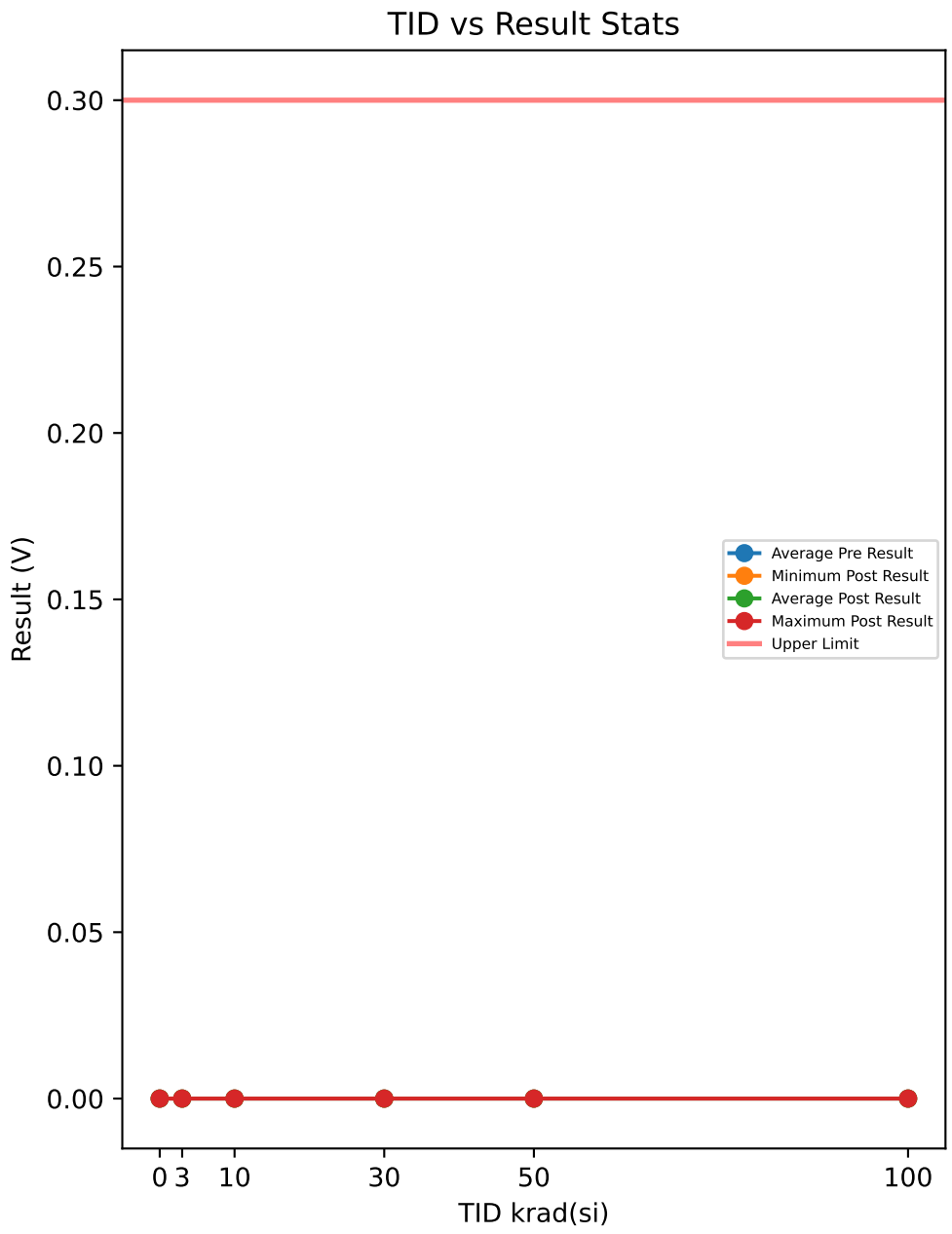
Test Results (Upper Limit = 0.3 (V))

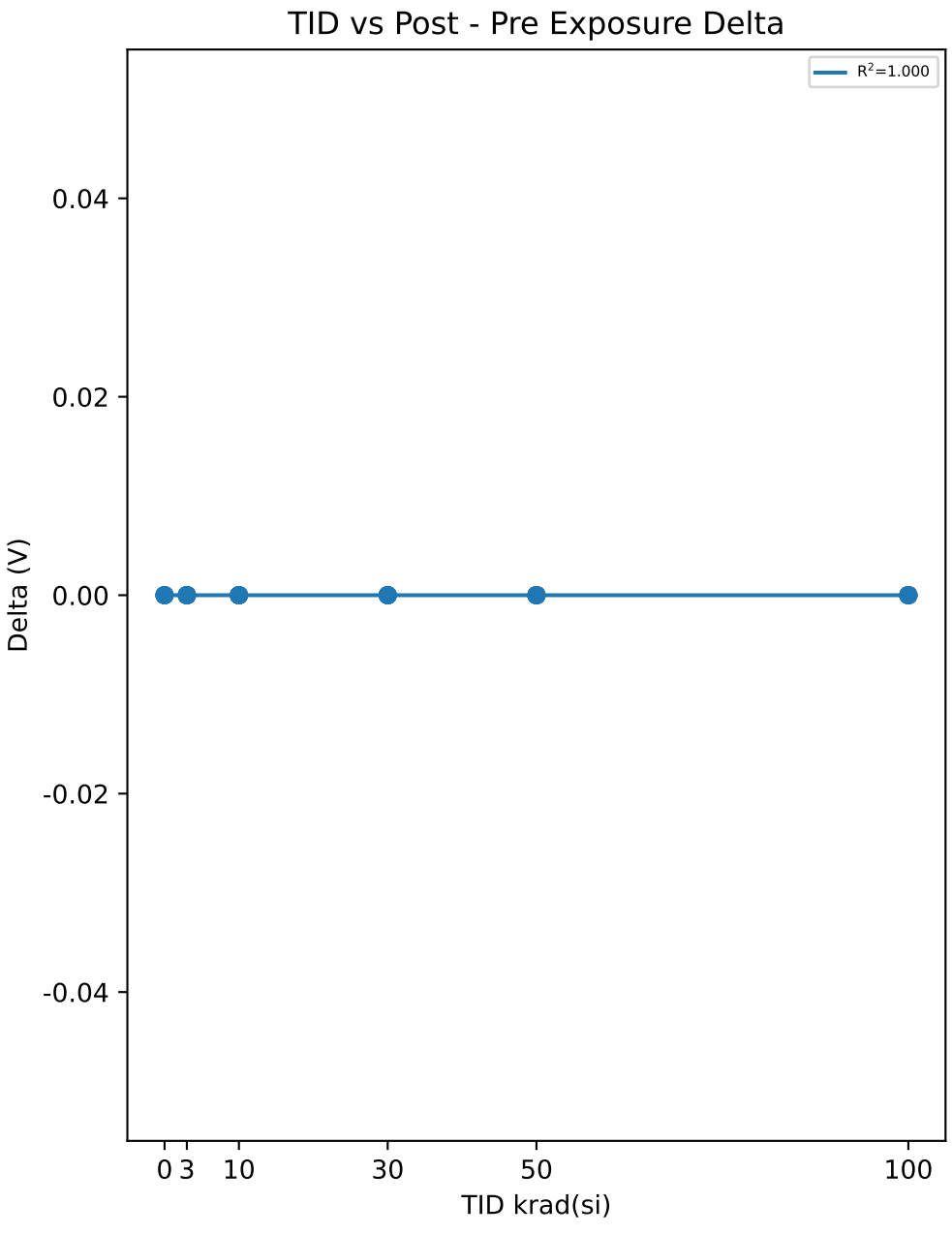
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	LDR Biased	0	0	0
2	3	LDR Biased	0	0	0
3	3	LDR Biased	0	0	0
4	3	LDR Biased	0	0	0
5	3	LDR Biased	0	0	0
6	10	LDR Biased	0	0	0
7	10	LDR Biased	0	0	0
8	10	LDR Biased	0	0	0
9	10	LDR Biased	0	0	0
10	10	LDR Biased	0	0	0
11	30	LDR Biased	0	0	0
12	30	LDR Biased	0	0	0
13	30	LDR Biased	0	0	0
14	30	LDR Biased	0	0	0
15	30	LDR Biased	0	0	0
16	50	LDR Biased	0	0	0
17	50	LDR Biased	0	0	0
18	50	LDR Biased	0	0	0
19	50	LDR Biased	0	0	0
20	50	LDR Biased	0	0	0
21	100	LDR Biased	0	0	0
22	100	LDR Biased	0	0	0
23	100	LDR Biased	0	0	0
24	100	LDR Biased	0	0	0
25	100	LDR Biased	0	0	0
26	3	LDR Unbiased	0	0	0
27	3	LDR Unbiased	0	0	0
28	3	LDR Unbiased	0	0	0
29	3	LDR Unbiased	0	0	0
30	3	LDR Unbiased	0	0	0
31	10	LDR Unbiased	0	0	0
32	10	LDR Unbiased	0	0	0
33	10	LDR Unbiased	0	0	0
34	10	LDR Unbiased	0	0	0
35	10	LDR Unbiased	0	0	0
36	30	LDR Unbiased	0	0	0
37	30	LDR Unbiased	0	0	0
38	30	LDR Unbiased	0	0	0
39	30	LDR Unbiased	0	0	0
40	30	LDR Unbiased	0	0	0
41	50	LDR Unbiased	0	0	0
42	50	LDR Unbiased	0	0	0
43	50	LDR Unbiased	0	0	0
44	50	LDR Unbiased	0	0	0
45	50	LDR Unbiased	0	0	0
46	100	LDR Unbiased	0	0	0
47	100	LDR Unbiased	0	0	0
48	100	LDR Unbiased	0	0	0
49	100	LDR Unbiased	0	0	0
50	100	LDR Unbiased	0	0	0
60	0	Correlation	0	0	0
61	0	Correlation	0	0	0
62	0	Correlation	0	0	0
63	0	Correlation	0	0	0
64	0	Correlation	0	0	0
65	0	Correlation	0	0	0

Test Statistics (V)

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

Device Test: 24.63 _LEVELS|VOH/SYNC2/5//511k//@SYNC_OUT_HIGH





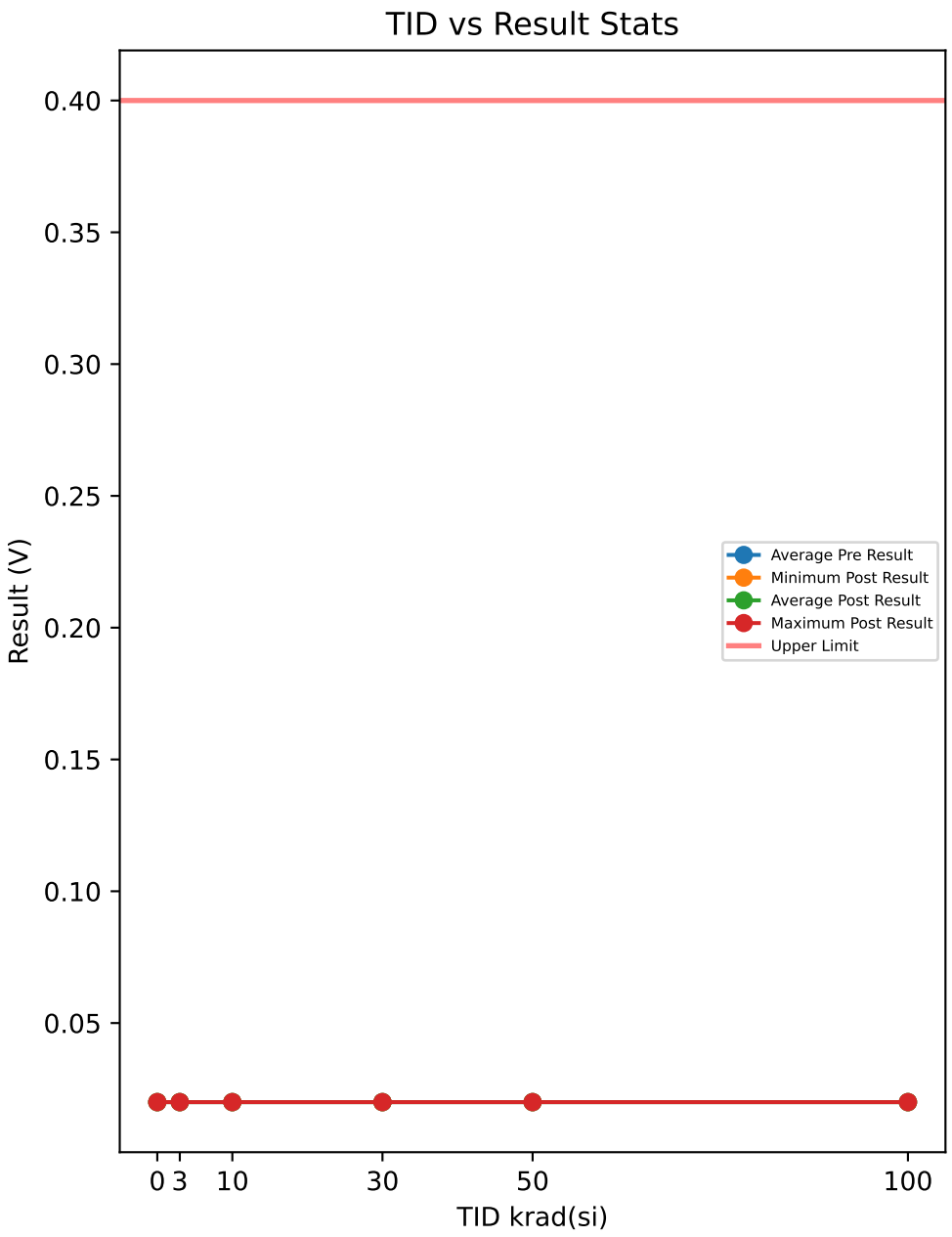
Test Results (Upper Limit = 0.3 (V))

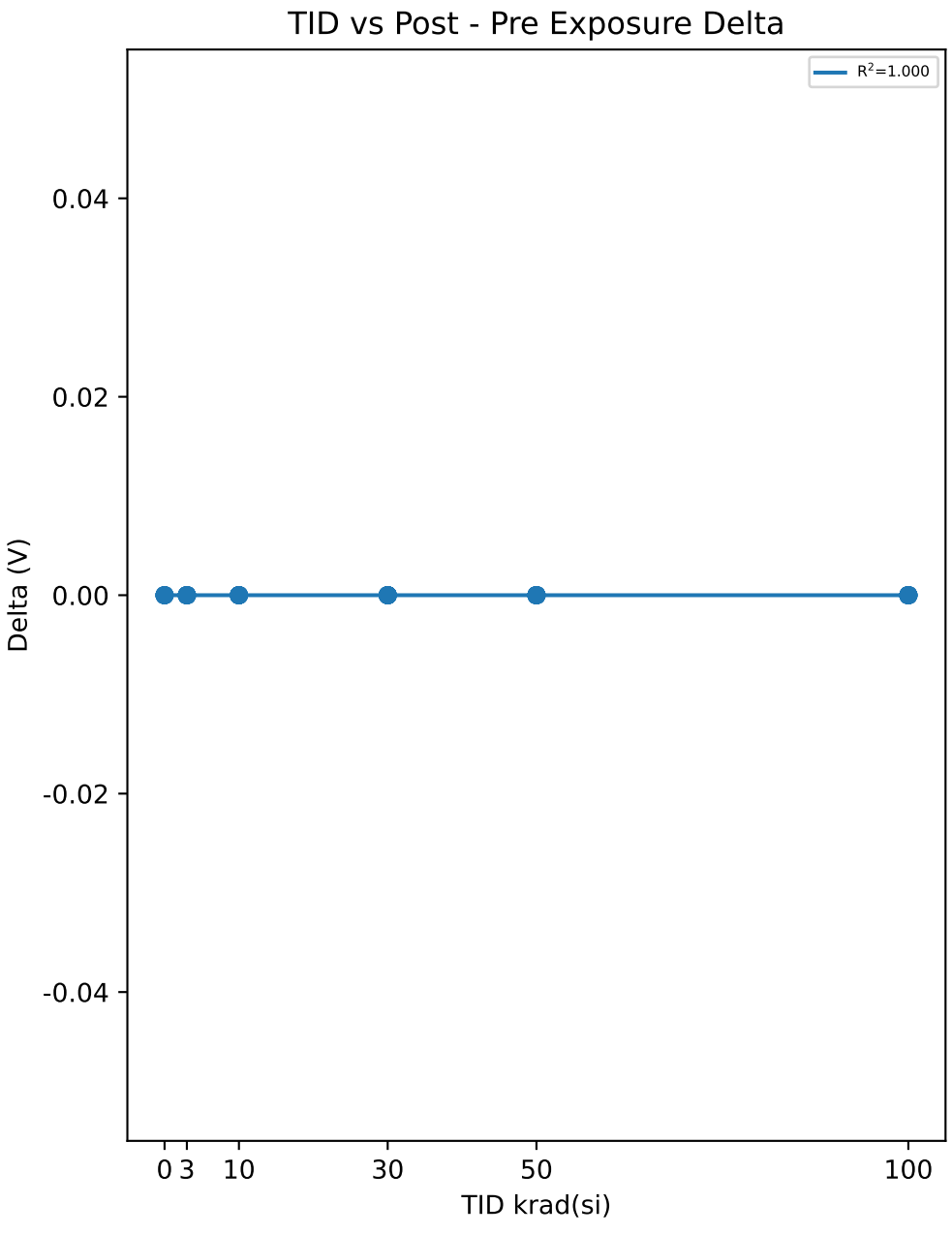
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	LDR Biased	0	0	0
2	3	LDR Biased	0	0	0
3	3	LDR Biased	0	0	0
4	3	LDR Biased	0	0	0
5	3	LDR Biased	0	0	0
6	10	LDR Biased	0	0	0
7	10	LDR Biased	0	0	0
8	10	LDR Biased	0	0	0
9	10	LDR Biased	0	0	0
10	10	LDR Biased	0	0	0
11	30	LDR Biased	0	0	0
12	30	LDR Biased	0	0	0
13	30	LDR Biased	0	0	0
14	30	LDR Biased	0	0	0
15	30	LDR Biased	0	0	0
16	50	LDR Biased	0	0	0
17	50	LDR Biased	0	0	0
18	50	LDR Biased	0	0	0
19	50	LDR Biased	0	0	0
20	50	LDR Biased	0	0	0
21	100	LDR Biased	0	0	0
22	100	LDR Biased	0	0	0
23	100	LDR Biased	0	0	0
24	100	LDR Biased	0	0	0
25	100	LDR Biased	0	0	0
26	3	LDR Unbiased	0	0	0
27	3	LDR Unbiased	0	0	0
28	3	LDR Unbiased	0	0	0
29	3	LDR Unbiased	0	0	0
30	3	LDR Unbiased	0	0	0
31	10	LDR Unbiased	0	0	0
32	10	LDR Unbiased	0	0	0
33	10	LDR Unbiased	0	0	0
34	10	LDR Unbiased	0	0	0
35	10	LDR Unbiased	0	0	0
36	30	LDR Unbiased	0	0	0
37	30	LDR Unbiased	0	0	0
38	30	LDR Unbiased	0	0	0
39	30	LDR Unbiased	0	0	0
40	30	LDR Unbiased	0	0	0
41	50	LDR Unbiased	0	0	0
42	50	LDR Unbiased	0	0	0
43	50	LDR Unbiased	0	0	0
44	50	LDR Unbiased	0	0	0
45	50	LDR Unbiased	0	0	0
46	100	LDR Unbiased	0	0	0
47	100	LDR Unbiased	0	0	0
48	100	LDR Unbiased	0	0	0
49	100	LDR Unbiased	0	0	0
50	100	LDR Unbiased	0	0	0
60	0	Correlation	0	0	0
61	0	Correlation	0	0	0
62	0	Correlation	0	0	0
63	0	Correlation	0	0	0
64	0	Correlation	0	0	0
65	0	Correlation	0	0	0

Test Statistics (V)

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

Device Test: 24.64 _LEVELS|VOL/SYNC1/5//511k//@SYNC_OUT_LOW





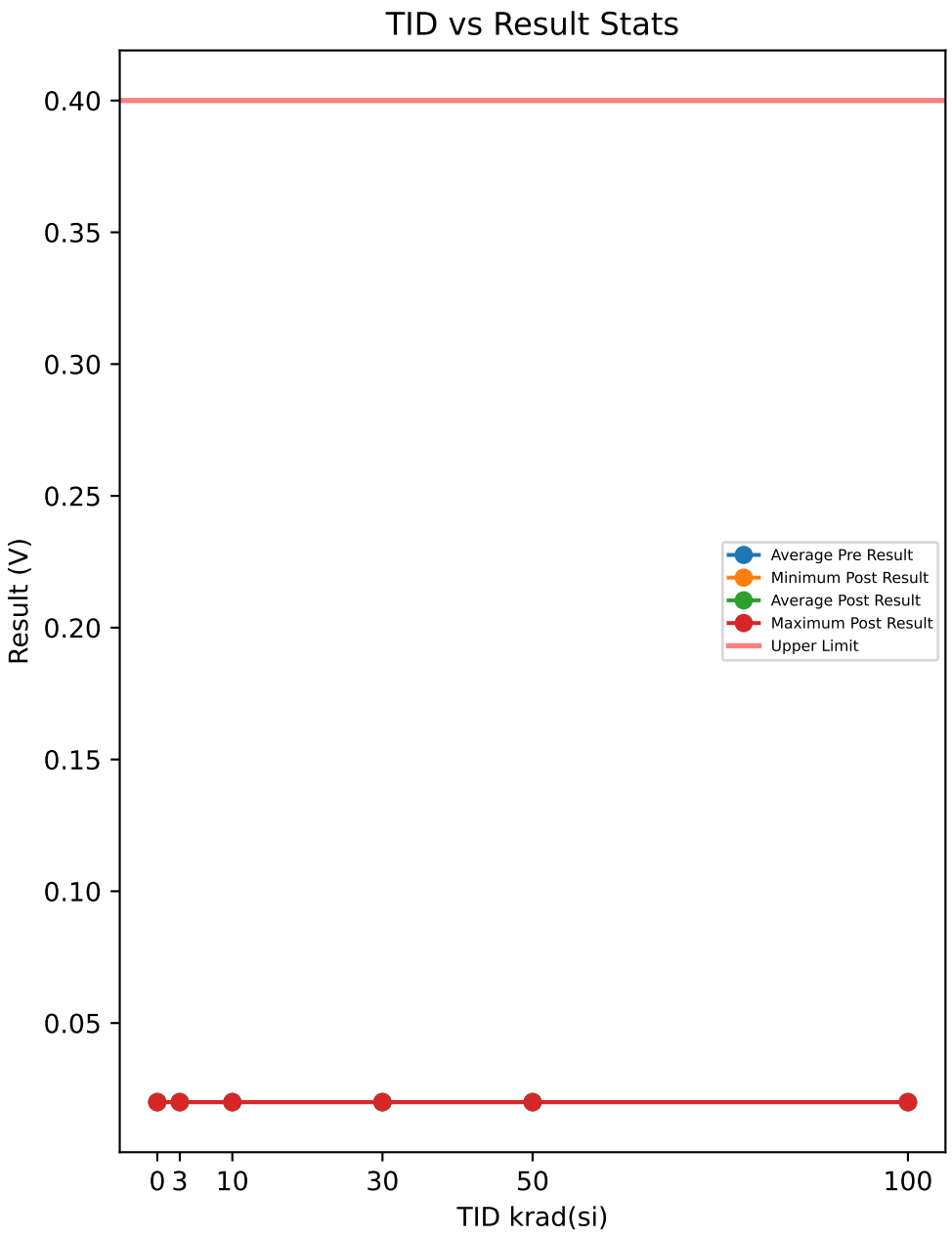
Test Results (Upper Limit = 0.4 (V))

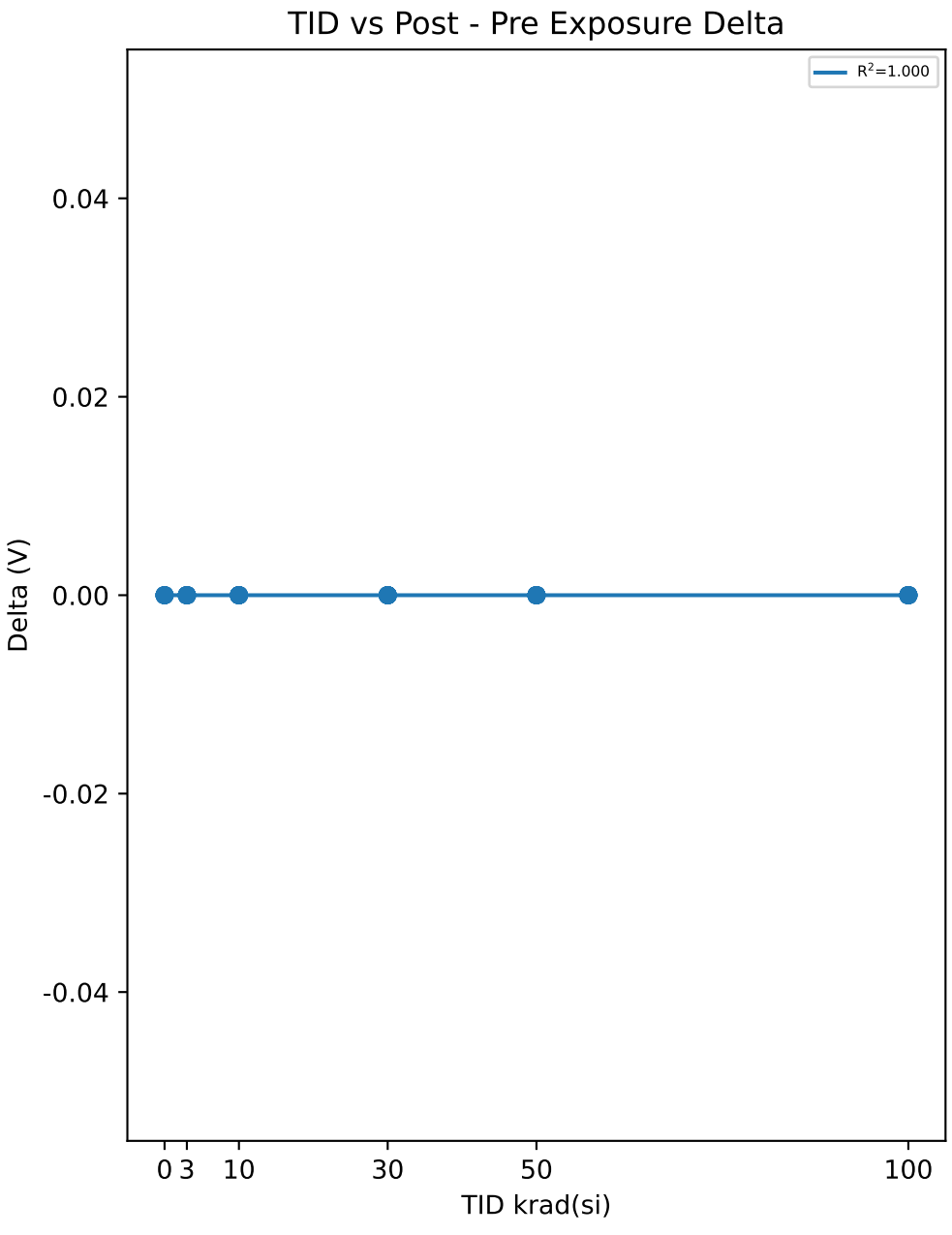
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	LDR Biased	0.02	0.02	0
2	3	LDR Biased	0.02	0.02	0
3	3	LDR Biased	0.02	0.02	0
4	3	LDR Biased	0.02	0.02	0
5	3	LDR Biased	0.02	0.02	0
6	10	LDR Biased	0.02	0.02	0
7	10	LDR Biased	0.02	0.02	0
8	10	LDR Biased	0.02	0.02	0
9	10	LDR Biased	0.02	0.02	0
10	10	LDR Biased	0.02	0.02	0
11	30	LDR Biased	0.02	0.02	0
12	30	LDR Biased	0.02	0.02	0
13	30	LDR Biased	0.02	0.02	0
14	30	LDR Biased	0.02	0.02	0
15	30	LDR Biased	0.02	0.02	0
16	50	LDR Biased	0.02	0.02	0
17	50	LDR Biased	0.02	0.02	0
18	50	LDR Biased	0.02	0.02	0
19	50	LDR Biased	0.02	0.02	0
20	50	LDR Biased	0.02	0.02	0
21	100	LDR Biased	0.02	0.02	0
22	100	LDR Biased	0.02	0.02	0
23	100	LDR Biased	0.02	0.02	0
24	100	LDR Biased	0.02	0.02	0
25	100	LDR Biased	0.02	0.02	0
26	3	LDR Unbiased	0.02	0.02	0
27	3	LDR Unbiased	0.02	0.02	0
28	3	LDR Unbiased	0.02	0.02	0
29	3	LDR Unbiased	0.02	0.02	0
30	3	LDR Unbiased	0.02	0.02	0
31	10	LDR Unbiased	0.02	0.02	0
32	10	LDR Unbiased	0.02	0.02	0
33	10	LDR Unbiased	0.02	0.02	0
34	10	LDR Unbiased	0.02	0.02	0
35	10	LDR Unbiased	0.02	0.02	0
36	30	LDR Unbiased	0.02	0.02	0
37	30	LDR Unbiased	0.02	0.02	0
38	30	LDR Unbiased	0.02	0.02	0
39	30	LDR Unbiased	0.02	0.02	0
40	30	LDR Unbiased	0.02	0.02	0
41	50	LDR Unbiased	0.02	0.02	0
42	50	LDR Unbiased	0.02	0.02	0
43	50	LDR Unbiased	0.02	0.02	0
44	50	LDR Unbiased	0.02	0.02	0
45	50	LDR Unbiased	0.02	0.02	0
46	100	LDR Unbiased	0.02	0.02	0
47	100	LDR Unbiased	0.02	0.02	0
48	100	LDR Unbiased	0.02	0.02	0
49	100	LDR Unbiased	0.02	0.02	0
50	100	LDR Unbiased	0.02	0.02	0
60	0	Correlation	0.02	0.02	0
61	0	Correlation	0.02	0.02	0
62	0	Correlation	0.02	0.02	0
63	0	Correlation	0.02	0.02	0
64	0	Correlation	0.02	0.02	0
65	0	Correlation	0.02	0.02	0

Test Statistics (V)

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	0.02	0.02	0.02	0	0.02	0.02	0.02	0	0	0	0	0
3	0.02	0.02	0.02	0	0.02	0.02	0.02	0	0	0	0	0
10	0.02	0.02	0.02	0	0.02	0.02	0.02	0	0	0	0	0
30	0.02	0.02	0.02	0	0.02	0.02	0.02	0	0	0	0	0
50	0.02	0.02	0.02	0	0.02	0.02	0.02	0	0	0	0	0
100	0.02	0.02	0.02	0	0.02	0.02	0.02	0	0	0	0	0

Device Test: 24.65 _LEVELS|VOL/SYNC2/5//511k//@SYNC_OUT_LOW





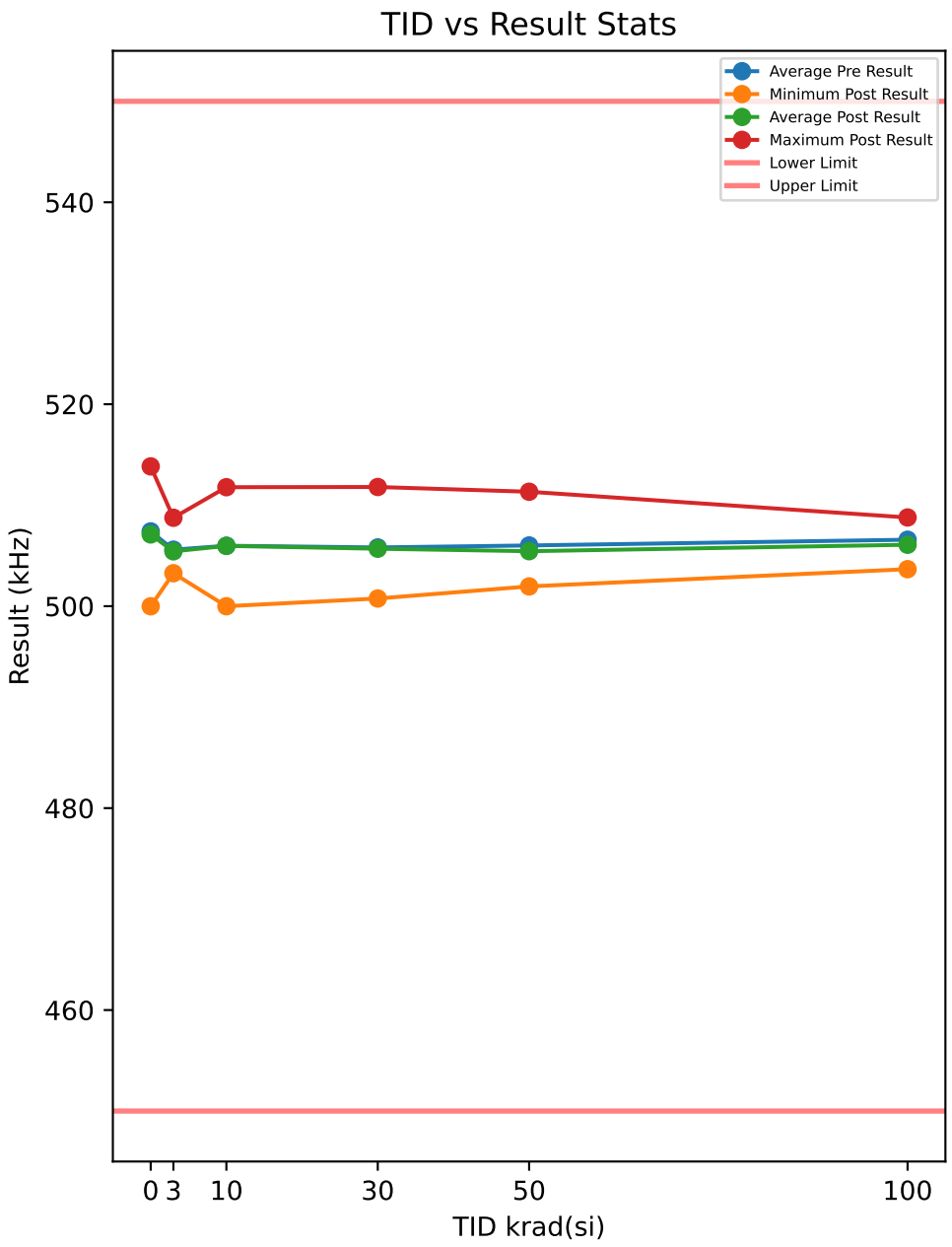
Test Results (Upper Limit = 0.4 (V))

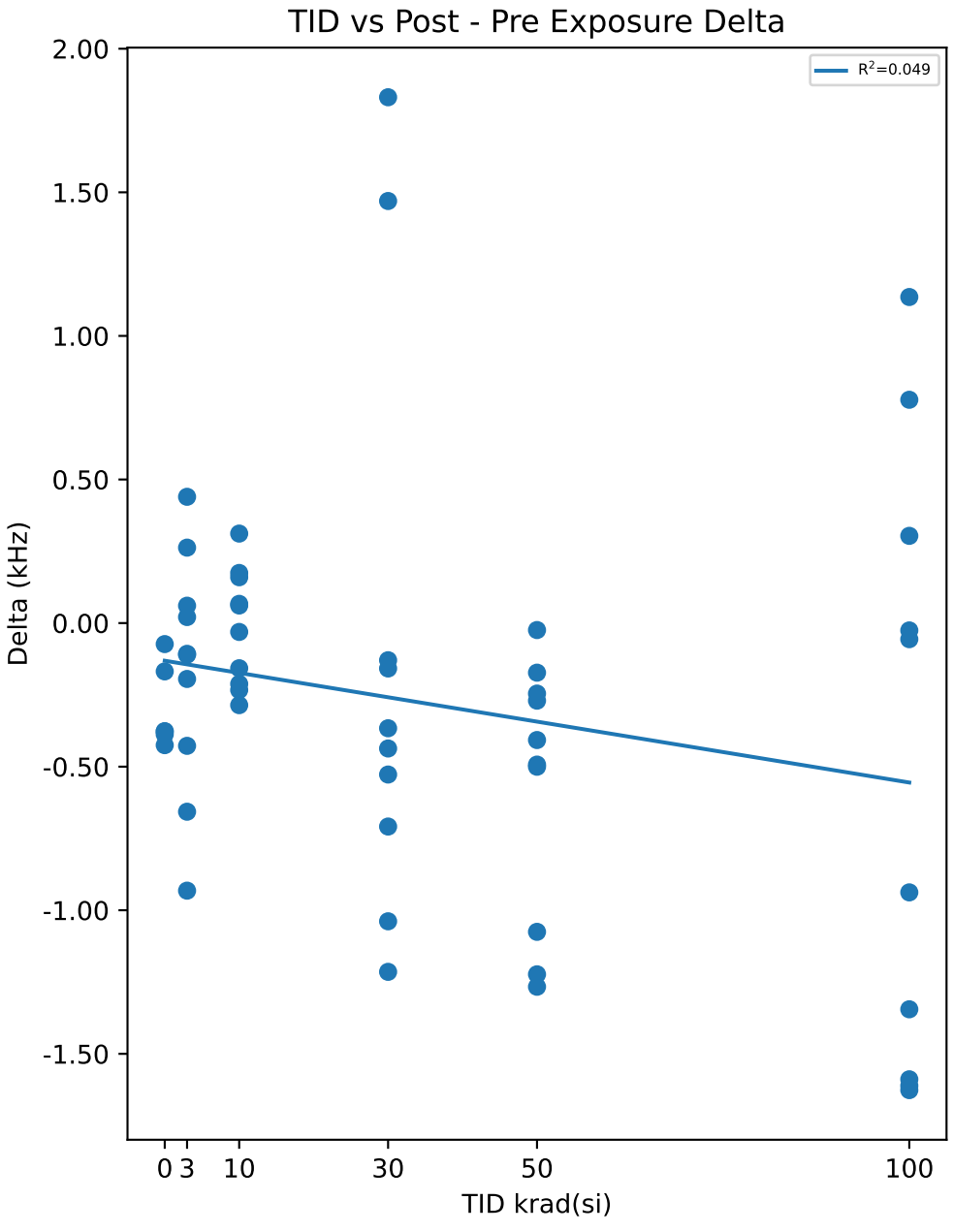
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	LDR Biased	0.02	0.02	0
2	3	LDR Biased	0.02	0.02	0
3	3	LDR Biased	0.02	0.02	0
4	3	LDR Biased	0.02	0.02	0
5	3	LDR Biased	0.02	0.02	0
6	10	LDR Biased	0.02	0.02	0
7	10	LDR Biased	0.02	0.02	0
8	10	LDR Biased	0.02	0.02	0
9	10	LDR Biased	0.02	0.02	0
10	10	LDR Biased	0.02	0.02	0
11	30	LDR Biased	0.02	0.02	0
12	30	LDR Biased	0.02	0.02	0
13	30	LDR Biased	0.02	0.02	0
14	30	LDR Biased	0.02	0.02	0
15	30	LDR Biased	0.02	0.02	0
16	50	LDR Biased	0.02	0.02	0
17	50	LDR Biased	0.02	0.02	0
18	50	LDR Biased	0.02	0.02	0
19	50	LDR Biased	0.02	0.02	0
20	50	LDR Biased	0.02	0.02	0
21	100	LDR Biased	0.02	0.02	0
22	100	LDR Biased	0.02	0.02	0
23	100	LDR Biased	0.02	0.02	0
24	100	LDR Biased	0.02	0.02	0
25	100	LDR Biased	0.02	0.02	0
26	3	LDR Unbiased	0.02	0.02	0
27	3	LDR Unbiased	0.02	0.02	0
28	3	LDR Unbiased	0.02	0.02	0
29	3	LDR Unbiased	0.02	0.02	0
30	3	LDR Unbiased	0.02	0.02	0
31	10	LDR Unbiased	0.02	0.02	0
32	10	LDR Unbiased	0.02	0.02	0
33	10	LDR Unbiased	0.02	0.02	0
34	10	LDR Unbiased	0.02	0.02	0
35	10	LDR Unbiased	0.02	0.02	0
36	30	LDR Unbiased	0.02	0.02	0
37	30	LDR Unbiased	0.02	0.02	0
38	30	LDR Unbiased	0.02	0.02	0
39	30	LDR Unbiased	0.02	0.02	0
40	30	LDR Unbiased	0.02	0.02	0
41	50	LDR Unbiased	0.02	0.02	0
42	50	LDR Unbiased	0.02	0.02	0
43	50	LDR Unbiased	0.02	0.02	0
44	50	LDR Unbiased	0.02	0.02	0
45	50	LDR Unbiased	0.02	0.02	0
46	100	LDR Unbiased	0.02	0.02	0
47	100	LDR Unbiased	0.02	0.02	0
48	100	LDR Unbiased	0.02	0.02	0
49	100	LDR Unbiased	0.02	0.02	0
50	100	LDR Unbiased	0.02	0.02	0
60	0	Correlation	0.02	0.02	0
61	0	Correlation	0.02	0.02	0
62	0	Correlation	0.02	0.02	0
63	0	Correlation	0.02	0.02	0
64	0	Correlation	0.02	0.02	0
65	0	Correlation	0.02	0.02	0

Test Statistics (V)

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	0.02	0.02	0.02	0	0.02	0.02	0.02	0	0	0	0	0
3	0.02	0.02	0.02	0	0.02	0.02	0.02	0	0	0	0	0
10	0.02	0.02	0.02	0	0.02	0.02	0.02	0	0	0	0	0
30	0.02	0.02	0.02	0	0.02	0.02	0.02	0	0	0	0	0
50	0.02	0.02	0.02	0	0.02	0.02	0.02	0	0	0	0	0
100	0.02	0.02	0.02	0	0.02	0.02	0.02	0	0	0	0	0

Device Test: 24.66 _FREQ|500kHz/SYNC1/5//90.9k//@EXT_SET_FREQ_500KHZ_5V





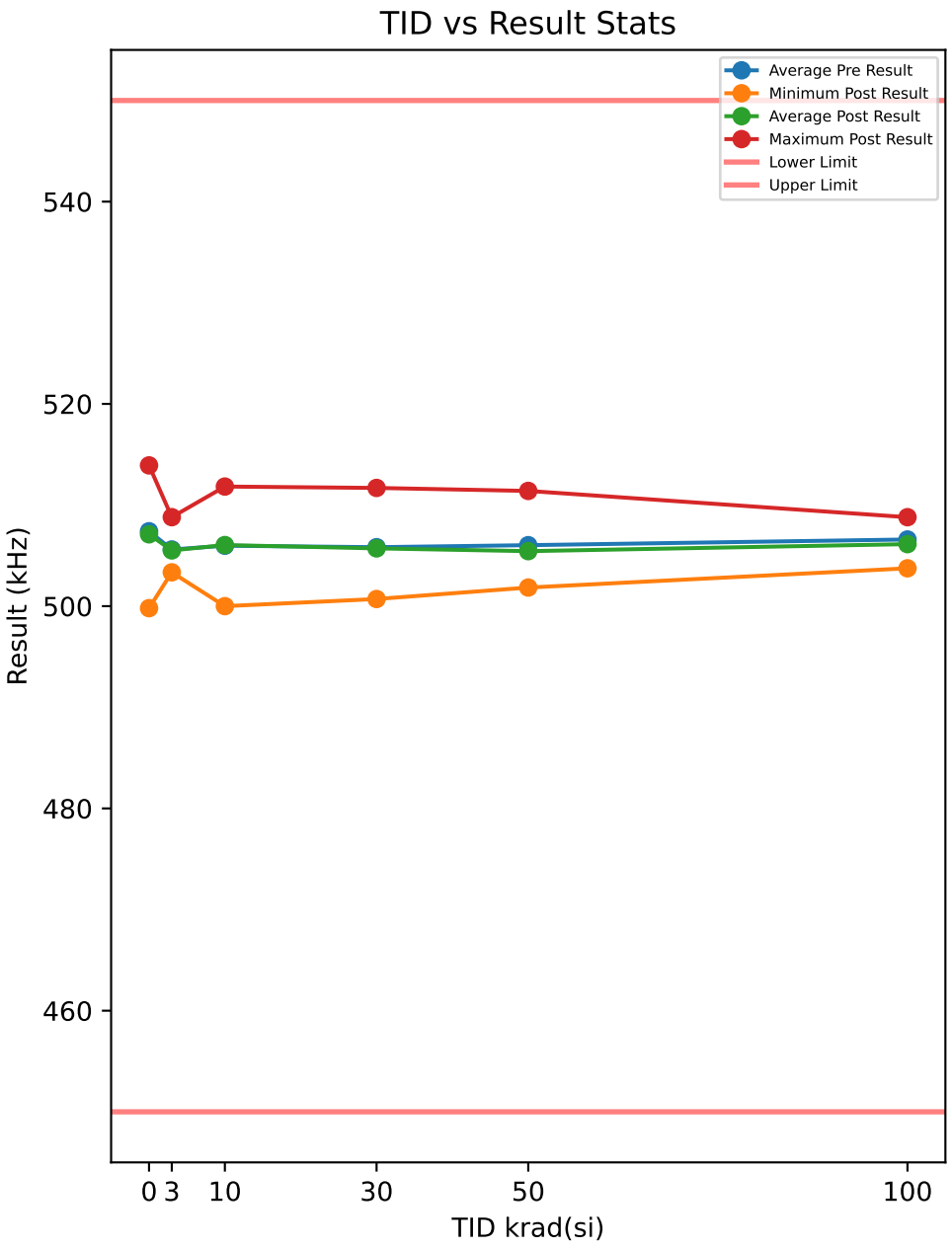
Test Results (Lower Limit = 450.0, Upper Limit = 550.0 (kHz))

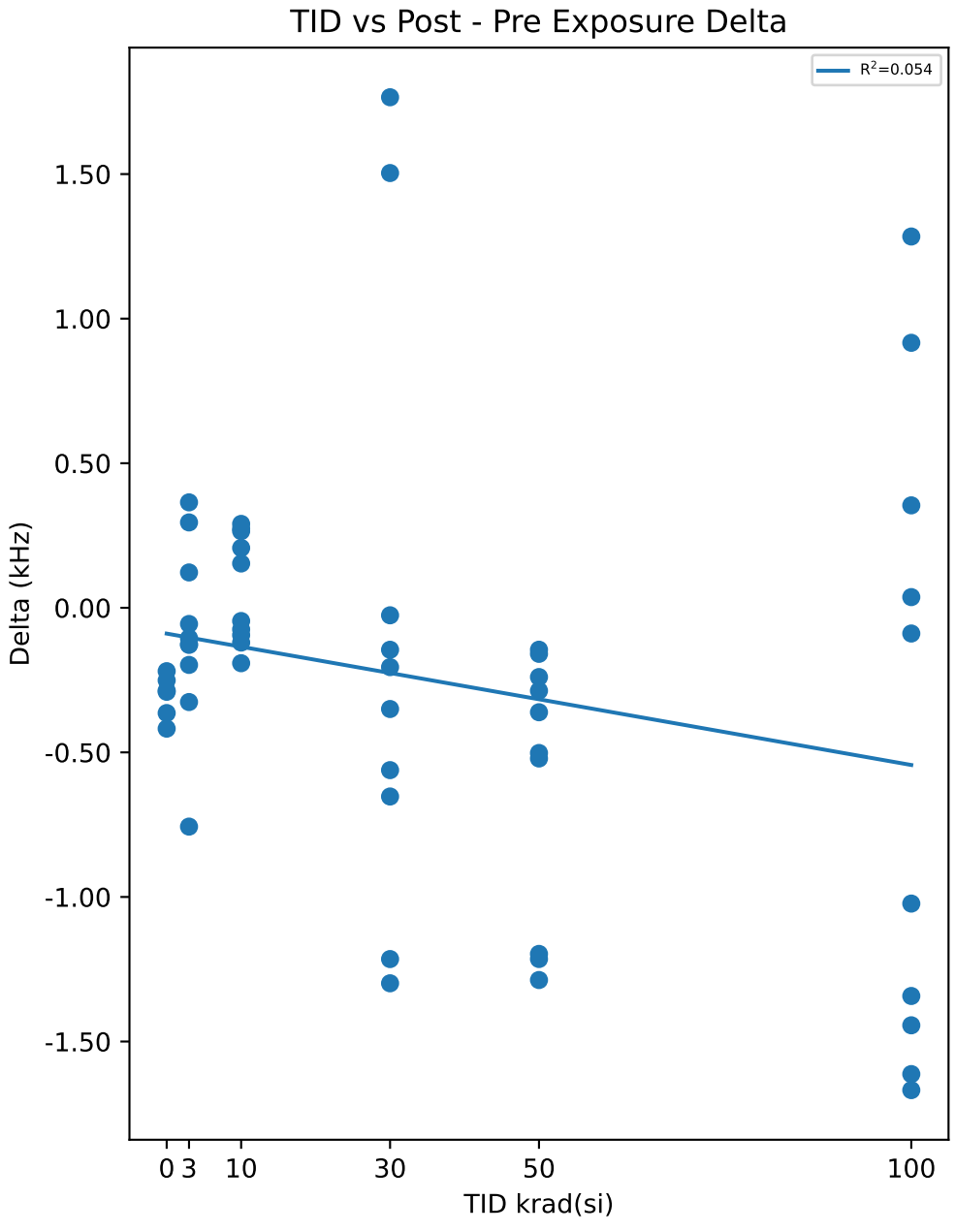
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	LDR Biased	503.28	503.54	0.2627
2	3	LDR Biased	504.87	504.89	0.021
3	3	LDR Biased	508.32	508.76	0.4397
4	3	LDR Biased	506.16	506.22	0.0605
5	3	LDR Biased	504.83	504.4	-0.4275
6	10	LDR Biased	509.7	509.49	-0.2119
7	10	LDR Biased	499.82	499.99	0.1745
8	10	LDR Biased	504.86	505.17	0.3116
9	10	LDR Biased	502.45	502.52	0.0669
10	10	LDR Biased	505.41	505.57	0.1596
11	30	LDR Biased	502.35	503.82	1.4697
12	30	LDR Biased	509.97	511.8	1.831
13	30	LDR Biased	508.59	508.46	-0.1294
14	30	LDR Biased	506.3	505.86	-0.4367
15	30	LDR Biased	502.14	501.43	-0.7085
16	50	LDR Biased	505.54	505.13	-0.4073
17	50	LDR Biased	501.98	501.96	-0.0243
18	50	LDR Biased	507.92	507.42	-0.5003
19	50	LDR Biased	502.49	502.24	-0.2455
20	50	LDR Biased	508.63	508.36	-0.2702
21	100	LDR Biased	505.96	507.09	1.1354
22	100	LDR Biased	505.25	503.66	-1.5887
23	100	LDR Biased	508.81	508.79	-0.0256
24	100	LDR Biased	504.47	504.77	0.3037
25	100	LDR Biased	508.96	508.02	-0.9378
26	3	LDR Unbiased	503.89	503.78	-0.1071
27	3	LDR Unbiased	507.48	506.82	-0.6569
28	3	LDR Unbiased	505.15	505.04	-0.1101
29	3	LDR Unbiased	507.77	507.58	-0.1946
30	3	LDR Unbiased	504.2	503.26	-0.9318
31	10	LDR Unbiased	509.78	509.49	-0.2858
32	10	LDR Unbiased	505.75	505.81	0.0612
33	10	LDR Unbiased	511.94	511.78	-0.1573
34	10	LDR Unbiased	507.53	507.5	-0.0309
35	10	LDR Unbiased	502.6	502.36	-0.233
36	30	LDR Unbiased	508.65	508.28	-0.3663
37	30	LDR Unbiased	506.57	505.53	-1.0385
38	30	LDR Unbiased	502.9	502.74	-0.1581
39	30	LDR Unbiased	501.98	500.76	-1.2145
40	30	LDR Unbiased	508.73	508.2	-0.5274
41	50	LDR Unbiased	505.95	504.68	-1.2664
42	50	LDR Unbiased	503.88	502.8	-1.0752
43	50	LDR Unbiased	506.97	505.75	-1.2231
44	50	LDR Unbiased	511.51	511.33	-0.1727
45	50	LDR Unbiased	505.26	504.77	-0.4928
46	100	LDR Unbiased	506.61	507.38	0.7776
47	100	LDR Unbiased	505.44	503.81	-1.6263
48	100	LDR Unbiased	507.03	505.42	-1.6112
49	100	LDR Unbiased	504.57	504.52	-0.0561
50	100	LDR Unbiased	508.71	507.37	-1.3449
60	0	Correlation	507.68	507.25	-0.4251
61	0	Correlation	509.66	509.28	-0.3774
62	0	Correlation	500.06	499.99	-0.0732
63	0	Correlation	505.39	505.01	-0.3765
64	0	Correlation	514.23	513.84	-0.3875
65	0	Correlation	507.42	507.25	-0.1683

Test Statistics (kHz)

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	500.06	507.41	514.23	4.6847	499.99	507.11	513.84	4.5871	-0.4251	-0.30133	-0.0732	0.14417
3	503.28	505.59	508.32	1.7498	503.26	505.43	508.76	1.8472	-0.9318	-0.16441	0.4397	0.41367
10	499.82	505.98	511.94	3.7965	499.99	505.97	511.78	3.688	-0.2858	-0.01451	0.3116	0.20158
30	501.98	505.82	509.97	3.1792	500.76	505.69	511.8	3.5381	-1.2145	-0.12787	1.831	1.0027
50	501.98	506.01	511.51	2.8983	501.96	505.45	511.33	2.9382	-1.2664	-0.56778	-0.0243	0.45397
100	504.47	506.58	508.96	1.7427	503.66	506.08	508.79	1.8578	-1.6263	-0.49739	1.1354	1.0525

Device Test: 24.67 _FREQ|500kHz/SYNC2/5//90.9k//@EXT_SET_FREQ_500KHZ_5V





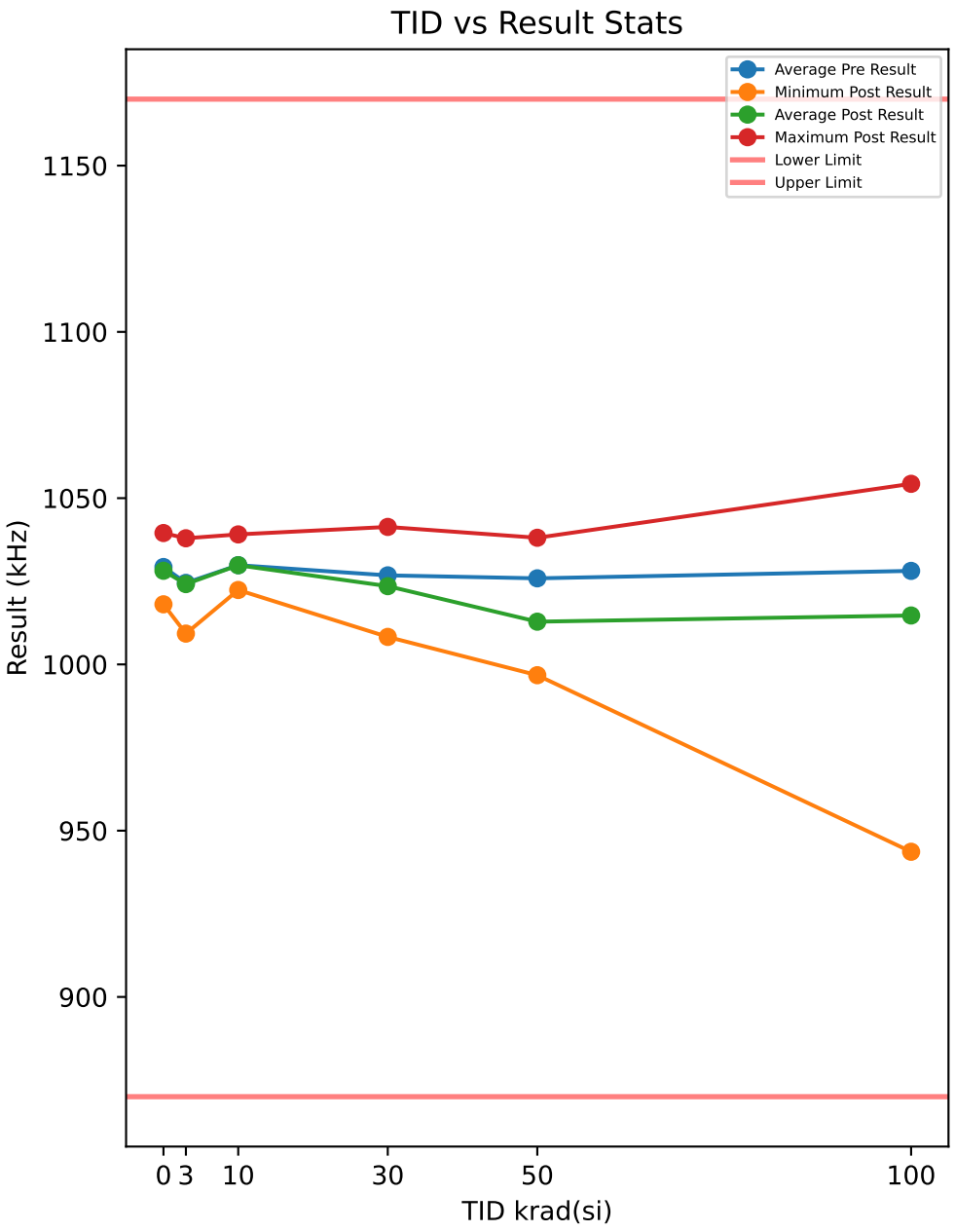
Test Results (Lower Limit = 450.0, Upper Limit = 550.0 (kHz))

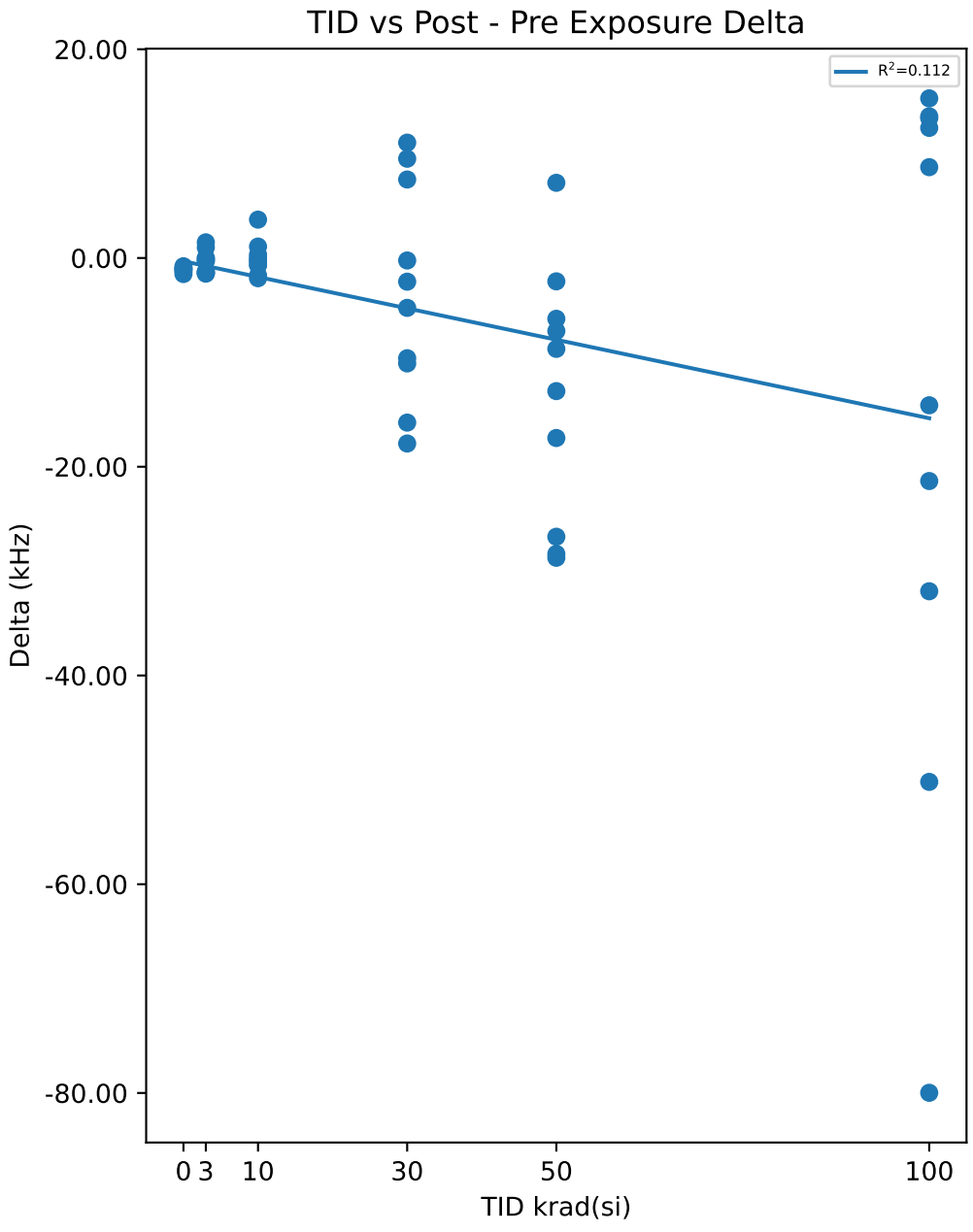
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	LDR Biased	503.52	503.64	0.1223
2	3	LDR Biased	504.79	505.08	0.2953
3	3	LDR Biased	508.44	508.8	0.3647
4	3	LDR Biased	506.3	506.17	-0.1266
5	3	LDR Biased	504.8	504.6	-0.1975
6	10	LDR Biased	509.68	509.49	-0.1916
7	10	LDR Biased	499.73	500	0.2651
8	10	LDR Biased	505	505.2	0.207
9	10	LDR Biased	502.37	502.66	0.2902
10	10	LDR Biased	505.43	505.71	0.2735
11	30	LDR Biased	502.38	503.88	1.5036
12	30	LDR Biased	509.92	511.69	1.7657
13	30	LDR Biased	508.57	508.55	-0.0259
14	30	LDR Biased	506.35	506	-0.35
15	30	LDR Biased	502.01	501.45	-0.5614
16	50	LDR Biased	505.59	505.23	-0.3612
17	50	LDR Biased	501.98	501.84	-0.1449
18	50	LDR Biased	507.97	507.45	-0.5211
19	50	LDR Biased	502.44	502.21	-0.2395
20	50	LDR Biased	508.65	508.36	-0.2868
21	100	LDR Biased	506	507.29	1.2841
22	100	LDR Biased	505.19	503.74	-1.4439
23	100	LDR Biased	508.76	508.8	0.037
24	100	LDR Biased	504.48	504.84	0.3543
25	100	LDR Biased	509.05	508.03	-1.0229
26	3	LDR Unbiased	503.81	503.71	-0.1048
27	3	LDR Unbiased	507.37	507.04	-0.3259
28	3	LDR Unbiased	505.17	505.11	-0.0559
29	3	LDR Unbiased	507.76	507.63	-0.1281
30	3	LDR Unbiased	504.1	503.34	-0.7567
31	10	LDR Unbiased	509.75	509.65	-0.0945
32	10	LDR Unbiased	505.85	505.8	-0.0457
33	10	LDR Unbiased	511.9	511.83	-0.0746
34	10	LDR Unbiased	507.61	507.49	-0.1202
35	10	LDR Unbiased	502.44	502.59	0.1533
36	30	LDR Unbiased	508.63	508.42	-0.2051
37	30	LDR Unbiased	506.7	505.49	-1.2148
38	30	LDR Unbiased	502.92	502.77	-0.1451
39	30	LDR Unbiased	502.01	500.71	-1.2986
40	30	LDR Unbiased	508.82	508.17	-0.6526
41	50	LDR Unbiased	506	504.71	-1.2873
42	50	LDR Unbiased	503.9	502.7	-1.197
43	50	LDR Unbiased	506.96	505.75	-1.2146
44	50	LDR Unbiased	511.55	511.39	-0.1592
45	50	LDR Unbiased	505.25	504.75	-0.5021
46	100	LDR Unbiased	506.65	507.57	0.9165
47	100	LDR Unbiased	505.52	503.85	-1.668
48	100	LDR Unbiased	507.07	505.46	-1.6126
49	100	LDR Unbiased	504.58	504.49	-0.0889
50	100	LDR Unbiased	508.62	507.28	-1.3425
60	0	Correlation	507.6	507.38	-0.2192
61	0	Correlation	509.61	509.24	-0.364
62	0	Correlation	500.22	499.8	-0.4179
63	0	Correlation	505.34	505.05	-0.2905
64	0	Correlation	514.21	513.92	-0.2863
65	0	Correlation	507.47	507.22	-0.2509

Test Statistics (kHz)

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	500.22	507.41	514.21	4.6261	499.8	507.1	513.92	4.6611	-0.4179	-0.3048	-0.2192	0.073587
3	503.52	505.6	508.44	1.75	503.34	505.51	508.8	1.8466	-0.7567	-0.09132	0.3647	0.31905
10	499.73	505.98	511.9	3.8225	500	506.04	511.83	3.6702	-0.1916	0.06625	0.2902	0.18841
30	502.01	505.83	509.92	3.1922	500.71	505.71	511.69	3.5356	-1.2986	-0.11842	1.7657	1.018
50	501.98	506.03	511.55	2.9166	501.84	505.44	511.39	2.9832	-1.2873	-0.59137	-0.1449	0.46045
100	504.48	506.59	509.05	1.735	503.74	506.13	508.8	1.8606	-1.668	-0.45869	1.2841	1.0973

Device Test: 24.68 _FREQ|1MHz/SYNC1/5//34.8k//@EXT_SET_FREQ_1000KHZ_5V





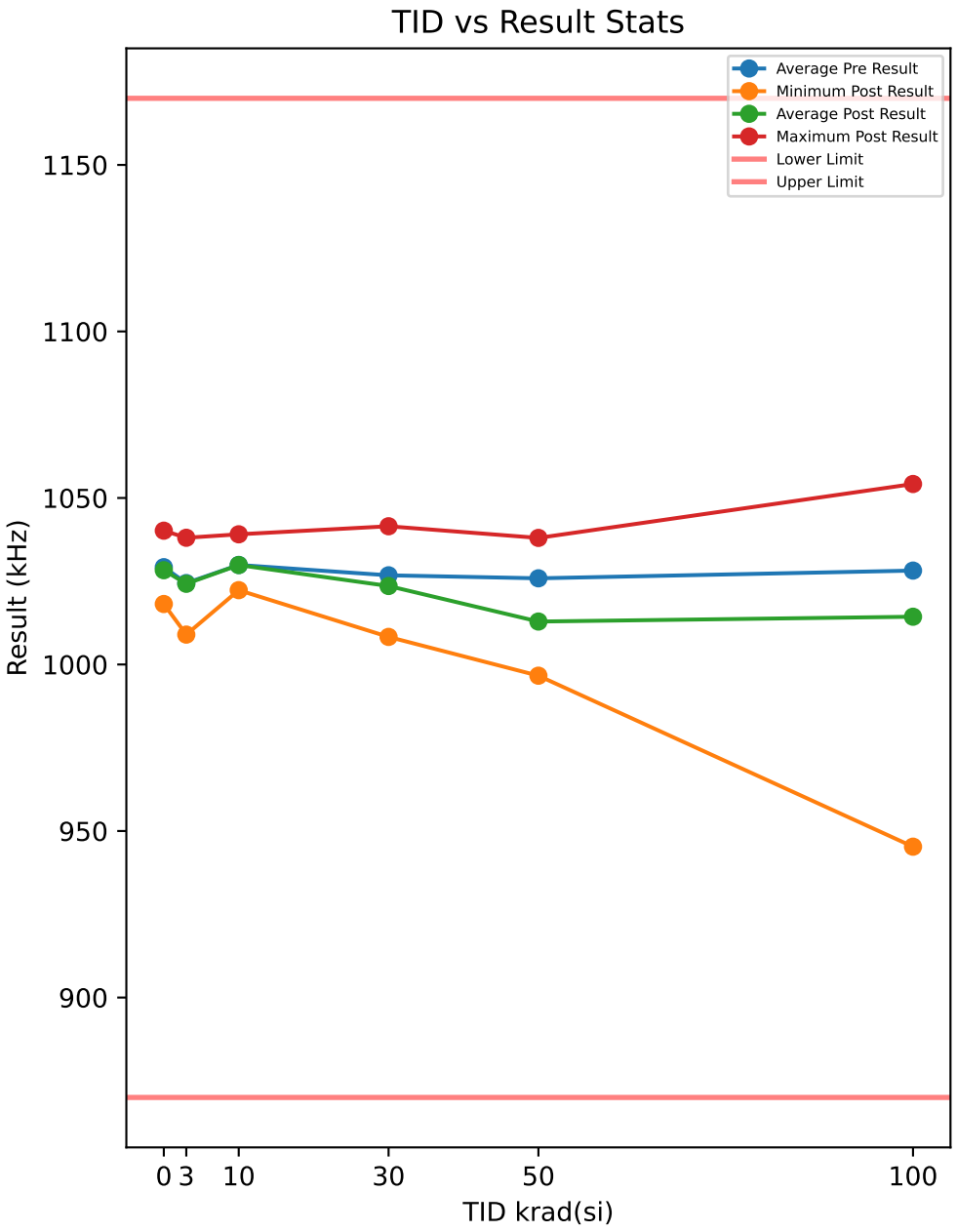
Test Results (Lower Limit = 870.0, Upper Limit = 1170.0 (kHz))

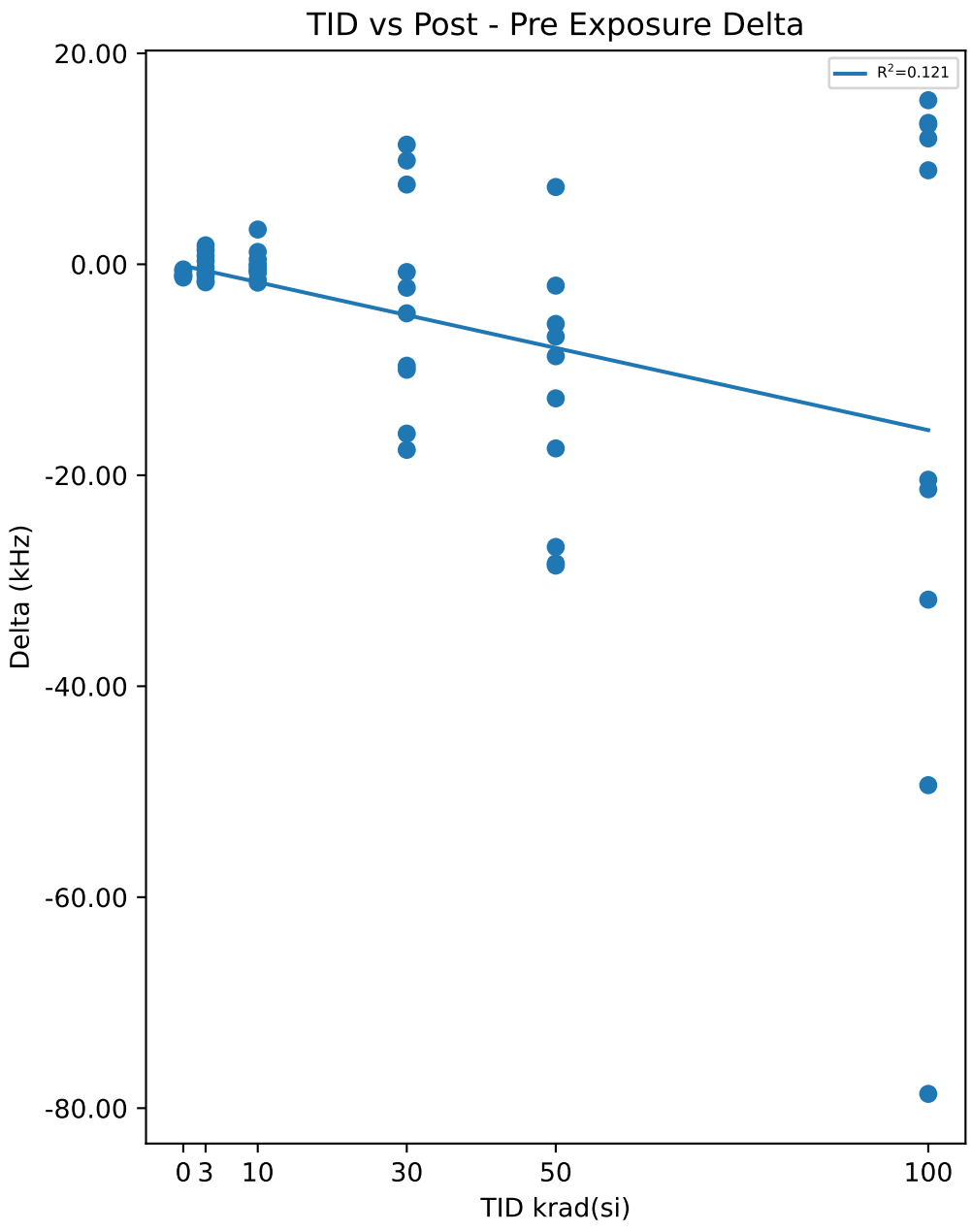
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	LDR Biased	1010.6	1009.3	-1.3815
2	3	LDR Biased	1032.6	1033.6	1.0115
3	3	LDR Biased	1036.4	1037.9	1.499
4	3	LDR Biased	1030.2	1030.2	-0.0193
5	3	LDR Biased	1021.5	1021.5	-0.0133
6	10	LDR Biased	1036.7	1036.7	0.0367
7	10	LDR Biased	1021.3	1022.4	1.0957
8	10	LDR Biased	1033.4	1031.5	-1.9366
9	10	LDR Biased	1018.9	1022.5	3.6748
10	10	LDR Biased	1029.5	1029.8	0.3179
11	30	LDR Biased	1023.6	1034.7	11.052
12	30	LDR Biased	1024	1008.3	-15.772
13	30	LDR Biased	1027.4	1009.7	-17.774
14	30	LDR Biased	1031.4	1031.1	-0.2394
15	30	LDR Biased	1020.3	1018	-2.2683
16	50	LDR Biased	1030.9	1038.1	7.204
17	50	LDR Biased	1023.9	1021.6	-2.2382
18	50	LDR Biased	1027.4	1000.7	-26.707
19	50	LDR Biased	1023	1016	-6.9983
20	50	LDR Biased	1026	997.25	-28.723
21	100	LDR Biased	1029.4	1015.3	-14.111
22	100	LDR Biased	1020.8	970.65	-50.194
23	100	LDR Biased	1039	1054.3	15.293
24	100	LDR Biased	1029.1	1041.6	12.468
25	100	LDR Biased	1027.1	1005.8	-21.37
26	3	LDR Unbiased	1012.3	1011	-1.2862
27	3	LDR Unbiased	1023.9	1022.4	-1.5003
28	3	LDR Unbiased	1034	1033.8	-0.2483
29	3	LDR Unbiased	1024.4	1024.1	-0.2936
30	3	LDR Unbiased	1019.1	1017.7	-1.4392
31	10	LDR Unbiased	1039.8	1039.1	-0.693
32	10	LDR Unbiased	1028.5	1028.2	-0.2614
33	10	LDR Unbiased	1035.7	1035.1	-0.6281
34	10	LDR Unbiased	1030.2	1028.5	-1.6689
35	10	LDR Unbiased	1024.6	1024.4	-0.2108
36	30	LDR Unbiased	1027.5	1017.4	-10.102
37	30	LDR Unbiased	1030.3	1025.5	-4.7774
38	30	LDR Unbiased	1029.4	1038.9	9.5115
39	30	LDR Unbiased	1020	1010.4	-9.6053
40	30	LDR Unbiased	1033.8	1041.3	7.5205
41	50	LDR Unbiased	1029.7	1021	-8.7063
42	50	LDR Unbiased	1025.7	1019.9	-5.8243
43	50	LDR Unbiased	1025.7	1013	-12.754
44	50	LDR Unbiased	1025.1	996.75	-28.349
45	50	LDR Unbiased	1021.4	1004.2	-17.246
46	100	LDR Unbiased	1034.4	1043.1	8.7029
47	100	LDR Unbiased	1028.8	1042.2	13.397
48	100	LDR Unbiased	1033.1	1046.6	13.574
49	100	LDR Unbiased	1023.6	943.66	-79.983
50	100	LDR Unbiased	1015.8	983.83	-31.931
60	0	Correlation	1026.2	1025.1	-1.1384
61	0	Correlation	1031	1029.8	-1.2719
62	0	Correlation	1018.9	1018.1	-0.7908
63	0	Correlation	1029	1028	-0.994
64	0	Correlation	1041	1039.5	-1.5358
65	0	Correlation	1029.6	1028.5	-1.033

Test Statistics (kHz)

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	1018.9	1029.3	1041	7.2057	1018.1	1028.2	1039.5	6.9693	-1.5358	-1.1273	-0.7908	0.25605
3	1010.6	1024.5	1036.4	8.8953	1009.3	1024.2	1037.9	9.7553	-1.5003	-0.36712	1.499	1.0518
10	1018.9	1029.8	1039.8	6.8062	1022.4	1029.8	1039.1	5.8388	-1.9366	-0.02737	3.6748	1.5749
30	1020	1026.8	1033.8	4.6749	1008.3	1023.5	1041.3	12.497	-17.774	-3.2455	11.052	10.279
50	1021.4	1025.9	1030.9	2.8843	996.75	1012.9	1038.1	13.188	-28.723	-13.034	7.204	12.105
100	1015.8	1028.1	1039	6.7728	943.66	1014.7	1054.3	37.857	-79.983	-13.415	15.293	32.696

Device Test: 24.69 _FREQ|1MHz/SYNC2/5//34.8k//@EXT_SET_FREQ_1000KHZ_5V





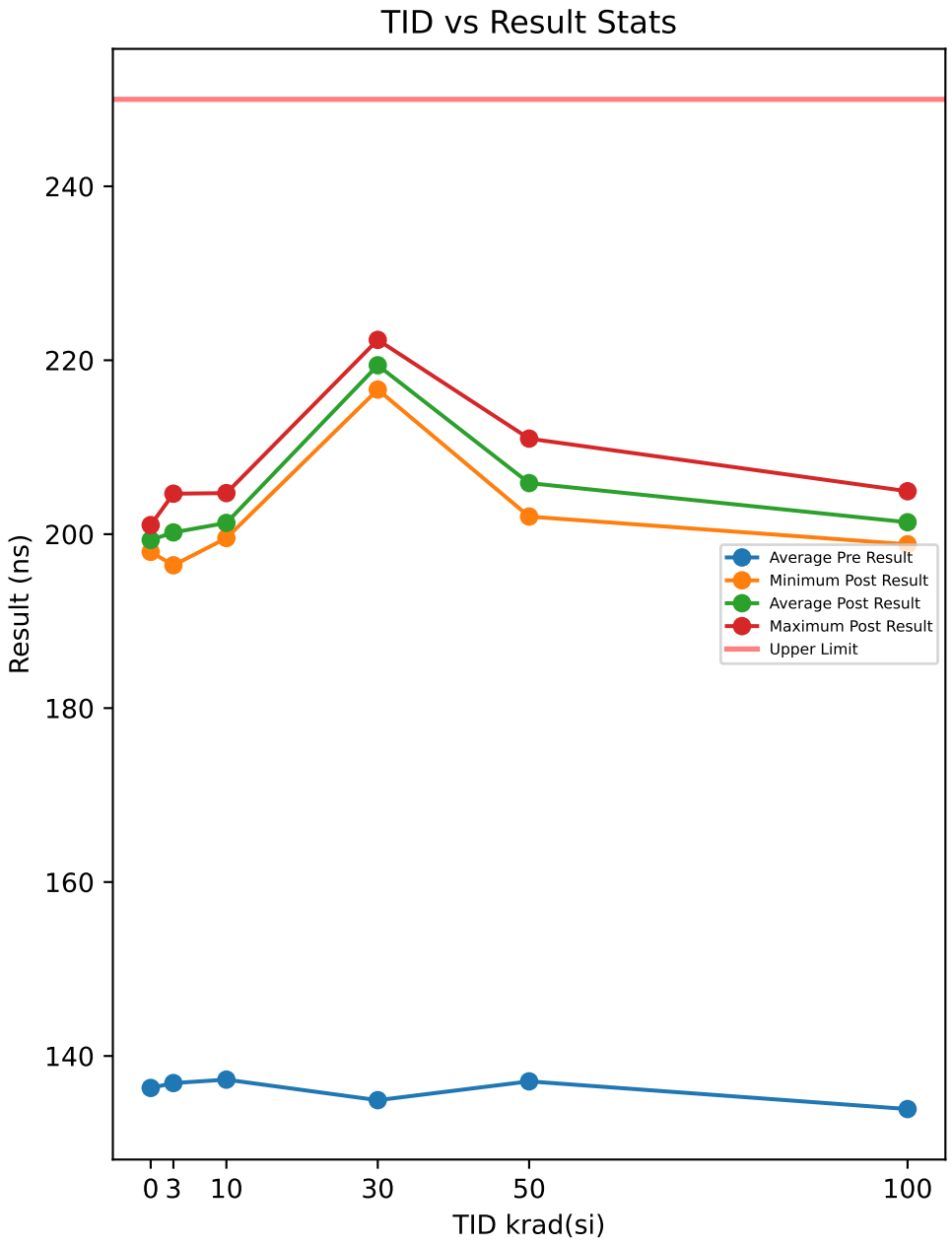
Test Results (Lower Limit = 870.0, Upper Limit = 1170.0 (kHz))

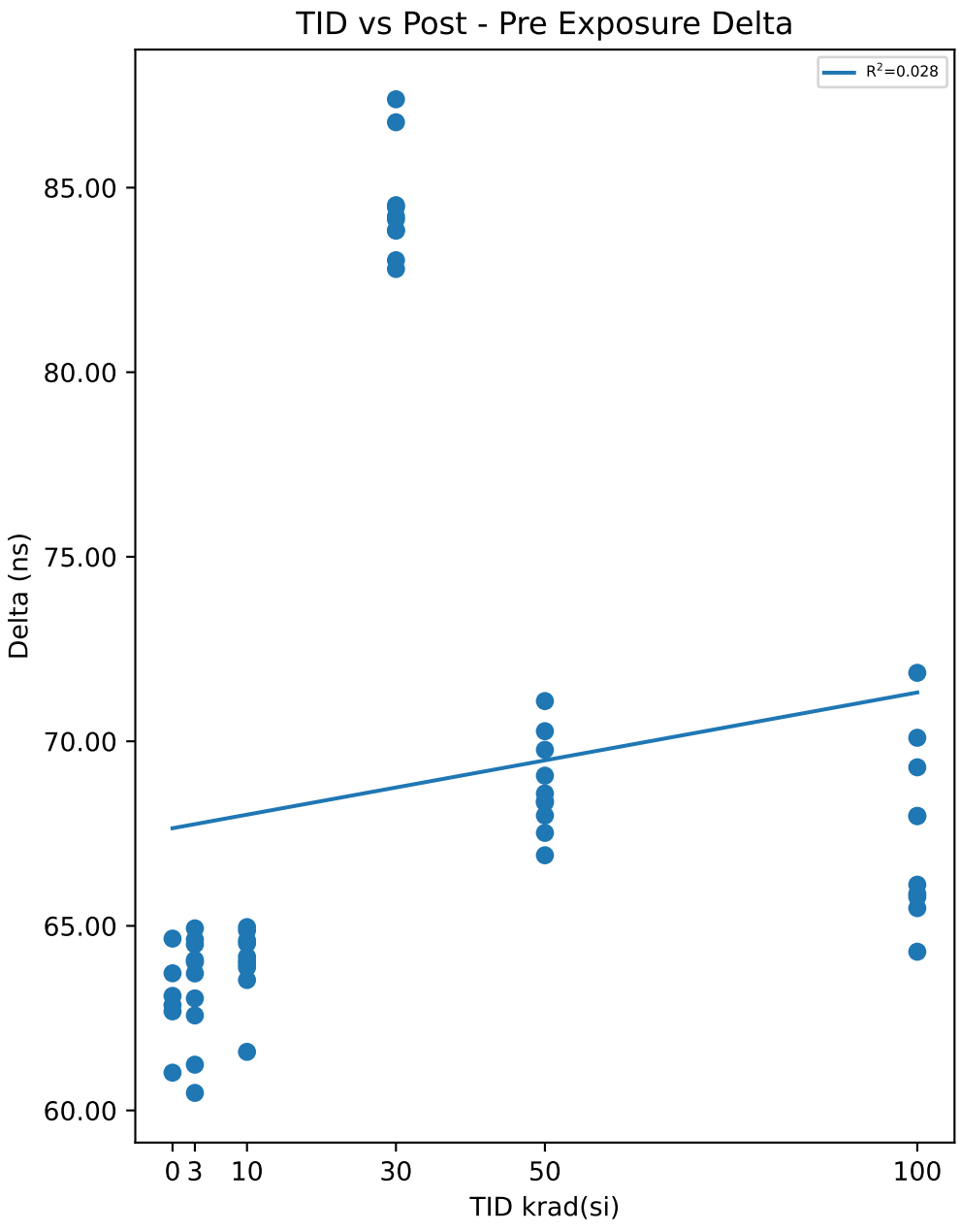
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	LDR Biased	1010.7	1009	-1.7104
2	3	LDR Biased	1032.4	1033.7	1.3589
3	3	LDR Biased	1036.3	1038	1.7975
4	3	LDR Biased	1030.2	1031	0.8012
5	3	LDR Biased	1021.4	1021.7	0.3184
6	10	LDR Biased	1036.9	1036.9	-0.0352
7	10	LDR Biased	1021.5	1022.7	1.1698
8	10	LDR Biased	1033.4	1031.6	-1.7371
9	10	LDR Biased	1019	1022.3	3.2962
10	10	LDR Biased	1029.6	1030.1	0.4593
11	30	LDR Biased	1023.4	1034.8	11.342
12	30	LDR Biased	1024.3	1008.3	-16.052
13	30	LDR Biased	1027.4	1009.8	-17.59
14	30	LDR Biased	1031.4	1030.7	-0.7355
15	30	LDR Biased	1020.4	1018.1	-2.2226
16	50	LDR Biased	1030.7	1038	7.3254
17	50	LDR Biased	1023.7	1021.7	-2.024
18	50	LDR Biased	1027.5	1000.7	-26.8
19	50	LDR Biased	1023.1	1016.2	-6.852
20	50	LDR Biased	1025.7	997.16	-28.563
21	100	LDR Biased	1029.4	1008.9	-20.425
22	100	LDR Biased	1020.7	971.29	-49.38
23	100	LDR Biased	1038.6	1054.2	15.552
24	100	LDR Biased	1029.5	1041.4	11.931
25	100	LDR Biased	1027.2	1005.8	-21.33
26	3	LDR Unbiased	1011.7	1010.8	-0.8803
27	3	LDR Unbiased	1023.8	1022.7	-1.1454
28	3	LDR Unbiased	1034.5	1033.6	-0.8454
29	3	LDR Unbiased	1024.4	1024.1	-0.2832
30	3	LDR Unbiased	1019.2	1017.7	-1.5723
31	10	LDR Unbiased	1039.7	1039.1	-0.6072
32	10	LDR Unbiased	1028.6	1028.1	-0.4924
33	10	LDR Unbiased	1035.8	1035	-0.8048
34	10	LDR Unbiased	1029.9	1028.4	-1.4662
35	10	LDR Unbiased	1024.6	1024.4	-0.1271
36	30	LDR Unbiased	1027.5	1017.5	-9.997
37	30	LDR Unbiased	1030.1	1025.4	-4.6485
38	30	LDR Unbiased	1029.3	1039.1	9.8356
39	30	LDR Unbiased	1020	1010.4	-9.6172
40	30	LDR Unbiased	1033.9	1041.5	7.5597
41	50	LDR Unbiased	1029.9	1021.2	-8.7173
42	50	LDR Unbiased	1025.9	1020.3	-5.6553
43	50	LDR Unbiased	1025.8	1013	-12.712
44	50	LDR Unbiased	1025	996.63	-28.353
45	50	LDR Unbiased	1021.6	1004.1	-17.456
46	100	LDR Unbiased	1034.4	1043.3	8.9101
47	100	LDR Unbiased	1029	1042.2	13.236
48	100	LDR Unbiased	1033.4	1046.8	13.405
49	100	LDR Unbiased	1023.9	945.29	-78.647
50	100	LDR Unbiased	1015.9	984.08	-31.791
60	0	Correlation	1026.4	1025.1	-1.2577
61	0	Correlation	1030.8	1029.7	-1.1075
62	0	Correlation	1018.6	1018.2	-0.4884
63	0	Correlation	1028.9	1027.9	-0.9496
64	0	Correlation	1040.8	1040.2	-0.578
65	0	Correlation	1029.9	1028.8	-1.1011

Test Statistics (kHz)

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	1018.6	1029.2	1040.8	7.156	1018.2	1028.3	1040.2	7.1613	-1.2577	-0.91372	-0.4884	0.31173
3	1010.7	1024.4	1036.3	8.9803	1009	1024.2	1038	9.894	-1.7104	-0.2161	1.7975	1.2308
10	1019	1029.9	1039.7	6.7603	1022.3	1029.9	1039.1	5.8435	-1.7371	-0.03447	3.2962	1.4482
30	1020	1026.8	1033.9	4.6609	1008.3	1023.6	1041.5	12.504	-17.59	-3.2124	11.342	10.36
50	1021.6	1025.9	1030.7	2.8601	996.63	1012.9	1038	13.249	-28.563	-12.981	7.3254	12.165
100	1015.9	1028.2	1038.6	6.7162	945.29	1014.3	1054.2	37.461	-78.647	-13.854	15.552	32.328

Device Test: 24.71 _TIMING|MINON/SW/5//511k//@ON_TIME_MIN_5V





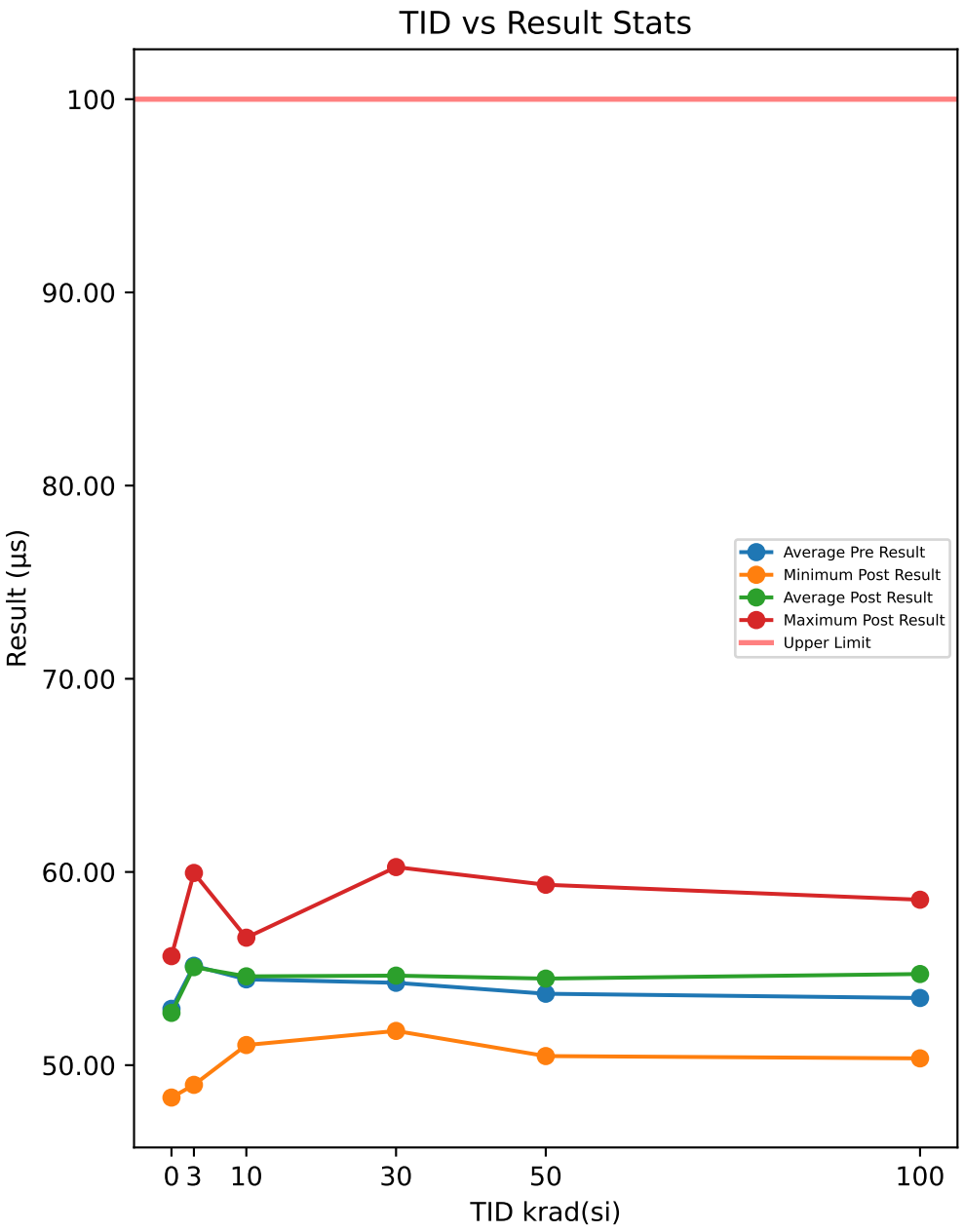
Test Results (Upper Limit = 250.0 (ns))

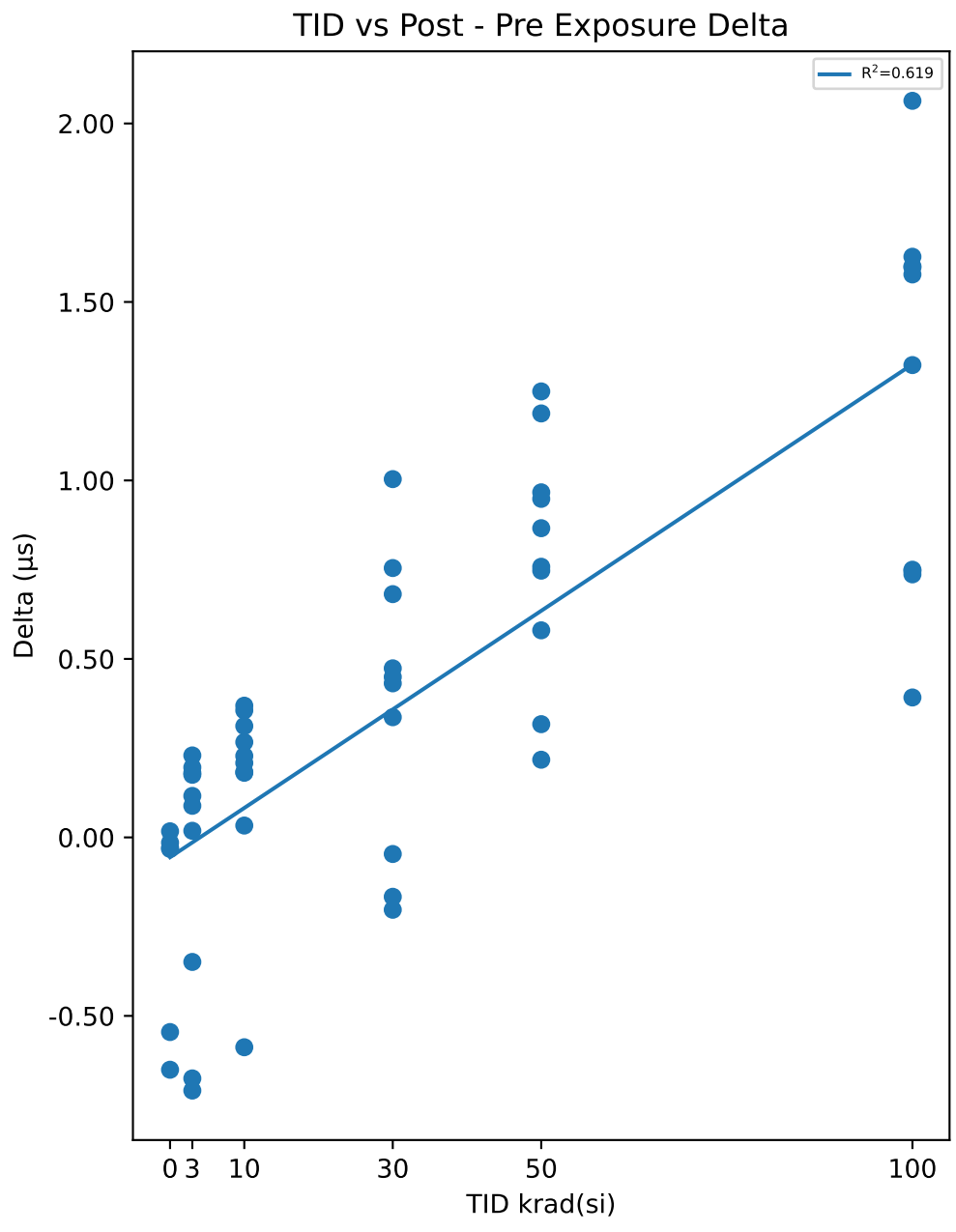
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	LDR Biased	133.39	196.42	63.035
2	3	LDR Biased	139.72	200.96	61.239
3	3	LDR Biased	135.39	199.41	64.021
4	3	LDR Biased	134.8	199.73	64.933
5	3	LDR Biased	134.83	198.91	64.078
6	10	LDR Biased	140.72	202.3	61.587
7	10	LDR Biased	138.27	202.33	64.056
8	10	LDR Biased	137.18	201.34	64.166
9	10	LDR Biased	136.5	200.48	63.976
10	10	LDR Biased	135.53	200.41	64.876
11	30	LDR Biased	133.94	218.46	84.524
12	30	LDR Biased	131.37	218.76	87.394
13	30	LDR Biased	136.81	220.65	83.847
14	30	LDR Biased	135.03	219.5	84.473
15	30	LDR Biased	136.77	219.56	82.796
16	50	LDR Biased	136.13	204.48	68.341
17	50	LDR Biased	134.3	204.57	70.274
18	50	LDR Biased	132.96	202.03	69.069
19	50	LDR Biased	137.86	206.24	68.381
20	50	LDR Biased	139.91	207.9	67.989
21	100	LDR Biased	137.45	201.75	64.3
22	100	LDR Biased	134.15	202.13	67.98
23	100	LDR Biased	130.87	198.84	67.974
24	100	LDR Biased	127.11	198.97	71.855
25	100	LDR Biased	135.96	201.74	65.782
26	3	LDR Unbiased	133.04	197.54	64.5
27	3	LDR Unbiased	140.94	204.65	63.712
28	3	LDR Unbiased	143.3	203.77	60.475
29	3	LDR Unbiased	140.27	202.84	62.574
30	3	LDR Unbiased	133.18	197.81	64.629
31	10	LDR Unbiased	141.19	204.72	63.533
32	10	LDR Unbiased	134.95	199.55	64.608
33	10	LDR Unbiased	136.6	200.47	63.873
34	10	LDR Unbiased	136.42	201.38	64.966
35	10	LDR Unbiased	135.45	199.97	64.524
36	30	LDR Unbiased	137.67	220.71	83.034
37	30	LDR Unbiased	134.98	219.12	84.139
38	30	LDR Unbiased	131.7	218.48	86.772
39	30	LDR Unbiased	132.4	216.63	84.223
40	30	LDR Unbiased	138.51	222.34	83.834
41	50	LDR Unbiased	144.08	210.99	66.912
42	50	LDR Unbiased	136.14	204.72	68.588
43	50	LDR Unbiased	138.66	206.18	67.519
44	50	LDR Unbiased	136.93	206.7	69.769
45	50	LDR Unbiased	133.84	204.93	71.09
46	100	LDR Unbiased	134.81	200.92	66.116
47	100	LDR Unbiased	139.46	204.94	65.48
48	100	LDR Unbiased	135.36	201.23	65.869
49	100	LDR Unbiased	131.84	201.94	70.096
50	100	LDR Unbiased	131.96	201.26	69.296
60	0	Correlation	133.31	197.96	64.655
61	0	Correlation	137.94	201.04	63.102
62	0	Correlation	134.37	198.08	63.716
63	0	Correlation	135.99	198.84	62.853
64	0	Correlation	138.6	199.62	61.023
65	0	Correlation	137.74	200.43	62.683

Test Statistics (ns)

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	133.31	136.32	138.6	2.1368	197.96	199.33	201.04	1.2559	61.023	63.005	64.655	1.2077
3	133.04	136.89	143.3	3.7801	196.42	200.21	204.65	2.783	60.475	63.32	64.933	1.4904
10	134.95	137.28	141.19	2.1544	199.55	201.3	204.72	1.5192	61.587	64.016	64.966	0.96773
30	131.37	134.92	138.51	2.532	216.63	219.42	222.34	1.5593	82.796	84.504	87.394	1.4783
50	132.96	137.08	144.08	3.2847	202.03	205.87	210.99	2.4002	66.912	68.793	71.09	1.2788
100	127.11	133.9	139.46	3.5596	198.84	201.37	204.94	1.7102	64.3	67.475	71.855	2.3859

Device Test: 24.72 _TIMING|DELAY/EN/5//511k//@T_EN_DELAY





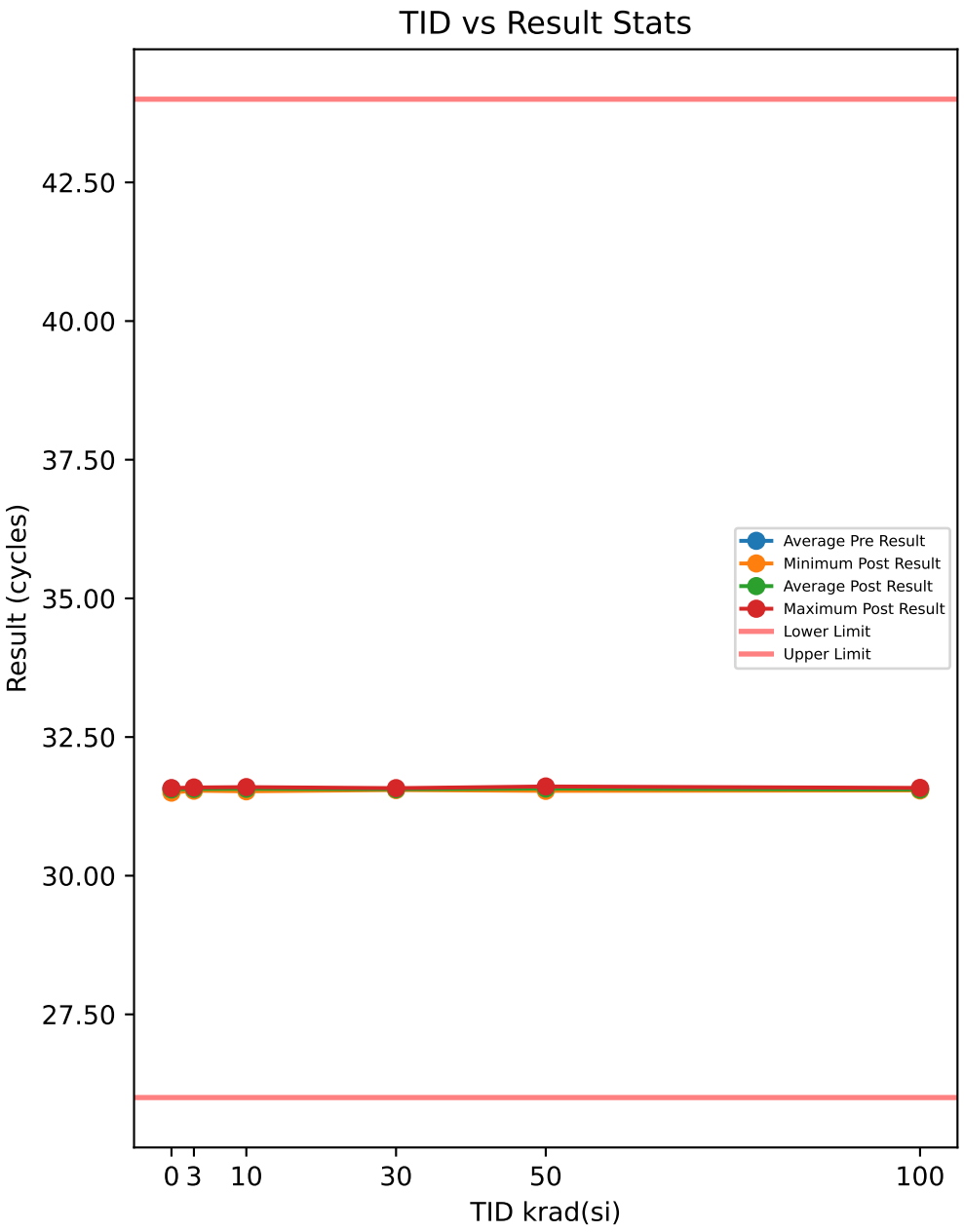
Test Results (Upper Limit = 100.0 (µs))

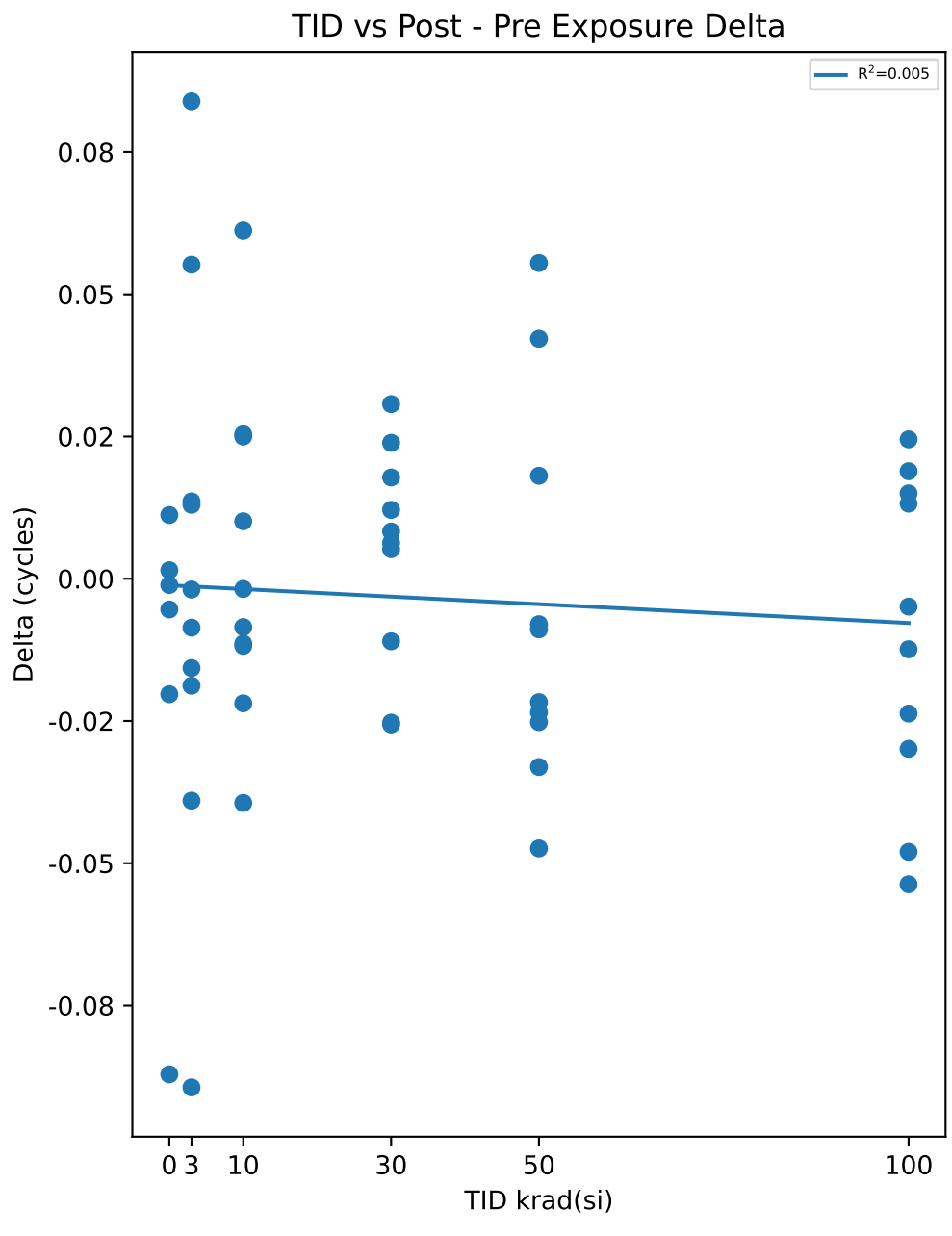
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	LDR Biased	48.751	48.981	0.2296
2	3	LDR Biased	54.12	54.317	0.1961
3	3	LDR Biased	53.807	53.988	0.1808
4	3	LDR Biased	55.959	55.284	-0.6752
5	3	LDR Biased	55.709	55.797	0.0885
6	10	LDR Biased	52.049	52.082	0.0332
7	10	LDR Biased	54.513	54.825	0.3119
8	10	LDR Biased	56.242	56.598	0.3558
9	10	LDR Biased	55.625	55.892	0.2668
10	10	LDR Biased	55.22	55.428	0.2085
11	30	LDR Biased	54.66	54.614	-0.0465
12	30	LDR Biased	52.876	52.71	-0.1664
13	30	LDR Biased	51.299	51.772	0.4736
14	30	LDR Biased	55.192	55.641	0.4495
15	30	LDR Biased	54.191	54.873	0.6815
16	50	LDR Biased	52.182	52.941	0.7582
17	50	LDR Biased	55.995	56.313	0.3172
18	50	LDR Biased	49.891	50.471	0.5801
19	50	LDR Biased	52.645	53.833	1.1877
20	50	LDR Biased	52.003	52.75	0.7473
21	100	LDR Biased	51.093	52.693	1.6
22	100	LDR Biased	53.494	55.558	2.0635
23	100	LDR Biased	54.217	55.814	1.5969
24	100	LDR Biased	54.766	56.089	1.3232
25	100	LDR Biased	51.429	52.179	0.7499
26	3	LDR Unbiased	53.238	53.413	0.1754
27	3	LDR Unbiased	58.152	57.803	-0.3489
28	3	LDR Unbiased	59.931	59.95	0.0185
29	3	LDR Unbiased	59.611	59.727	0.1162
30	3	LDR Unbiased	52.174	51.465	-0.7092
31	10	LDR Unbiased	55.018	55.387	0.369
32	10	LDR Unbiased	52.262	52.49	0.2281
33	10	LDR Unbiased	55.69	55.871	0.181
34	10	LDR Unbiased	56.17	56.354	0.1835
35	10	LDR Unbiased	51.63	51.042	-0.5879
36	30	LDR Unbiased	53.705	54.137	0.4316
37	30	LDR Unbiased	59.249	60.253	1.0037
38	30	LDR Unbiased	52.755	52.553	-0.2027
39	30	LDR Unbiased	55.023	55.778	0.7546
40	30	LDR Unbiased	53.68	54.017	0.3367
41	50	LDR Unbiased	58.089	59.339	1.2494
42	50	LDR Unbiased	55.839	56.788	0.9484
43	50	LDR Unbiased	51.227	52.194	0.9667
44	50	LDR Unbiased	49.99	50.856	0.8662
45	50	LDR Unbiased	59.108	59.325	0.2176
46	100	LDR Unbiased	56.986	58.563	1.5771
47	100	LDR Unbiased	52.257	52.994	0.7369
48	100	LDR Unbiased	56.551	58.178	1.6267
49	100	LDR Unbiased	49.605	50.352	0.7469
50	100	LDR Unbiased	54.368	54.76	0.392
60	0	Correlation	53.26	53.231	-0.029
61	0	Correlation	48.356	48.323	-0.0323
62	0	Correlation	55.99	55.339	-0.6509
63	0	Correlation	51.664	51.649	-0.0146
64	0	Correlation	52.599	52.053	-0.5453
65	0	Correlation	55.625	55.642	0.0171

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	48.356	52.916	55.99	2.8061	48.323	52.706	55.642	2.7047	-0.6509	-0.20917	0.0171	0.30361
3	48.751	55.145	59.931	3.4809	48.981	55.072	59.95	3.4656	-0.7092	-0.07282	0.2296	0.36574
10	51.63	54.442	56.242	1.78	51.042	54.597	56.598	1.9765	-0.5879	0.15499	0.369	0.27882
30	51.299	54.263	59.249	2.1108	51.772	54.635	60.253	2.3759	-0.2027	0.37156	1.0037	0.40244
50	49.891	53.697	59.108	3.3173	50.471	54.481	59.339	3.2657	0.2176	0.78388	1.2494	0.33814
100	49.605	53.476	56.986	2.3834	50.352	54.718	58.563	2.6484	0.392	1.2413	2.0635	0.54373

Device Test: 24.74 _TIMING|DELAY/FAULT/5//511k//@T_FAULT_DELAY





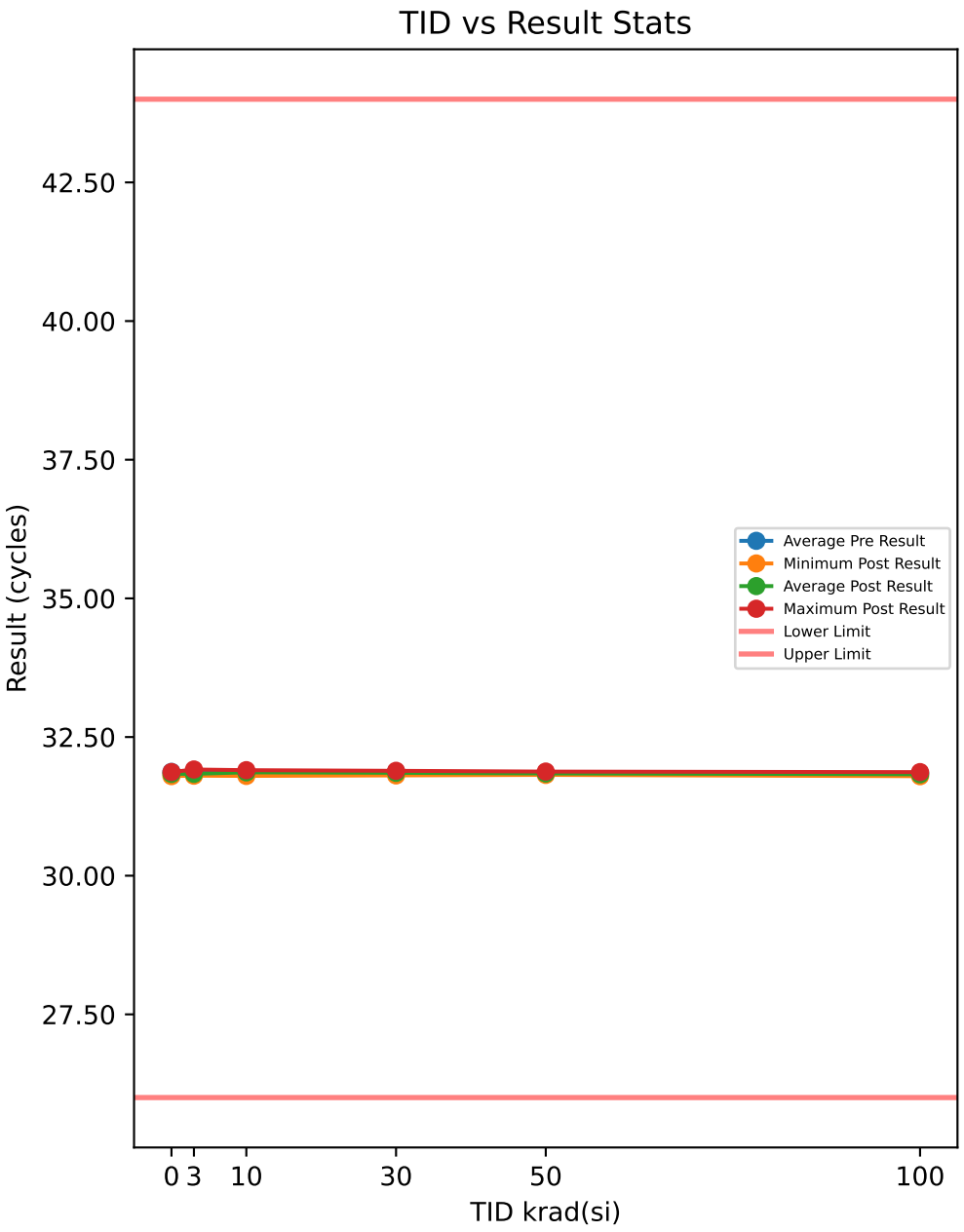
Test Results (Lower Limit = 26.0, Upper Limit = 44.0 (cycles))

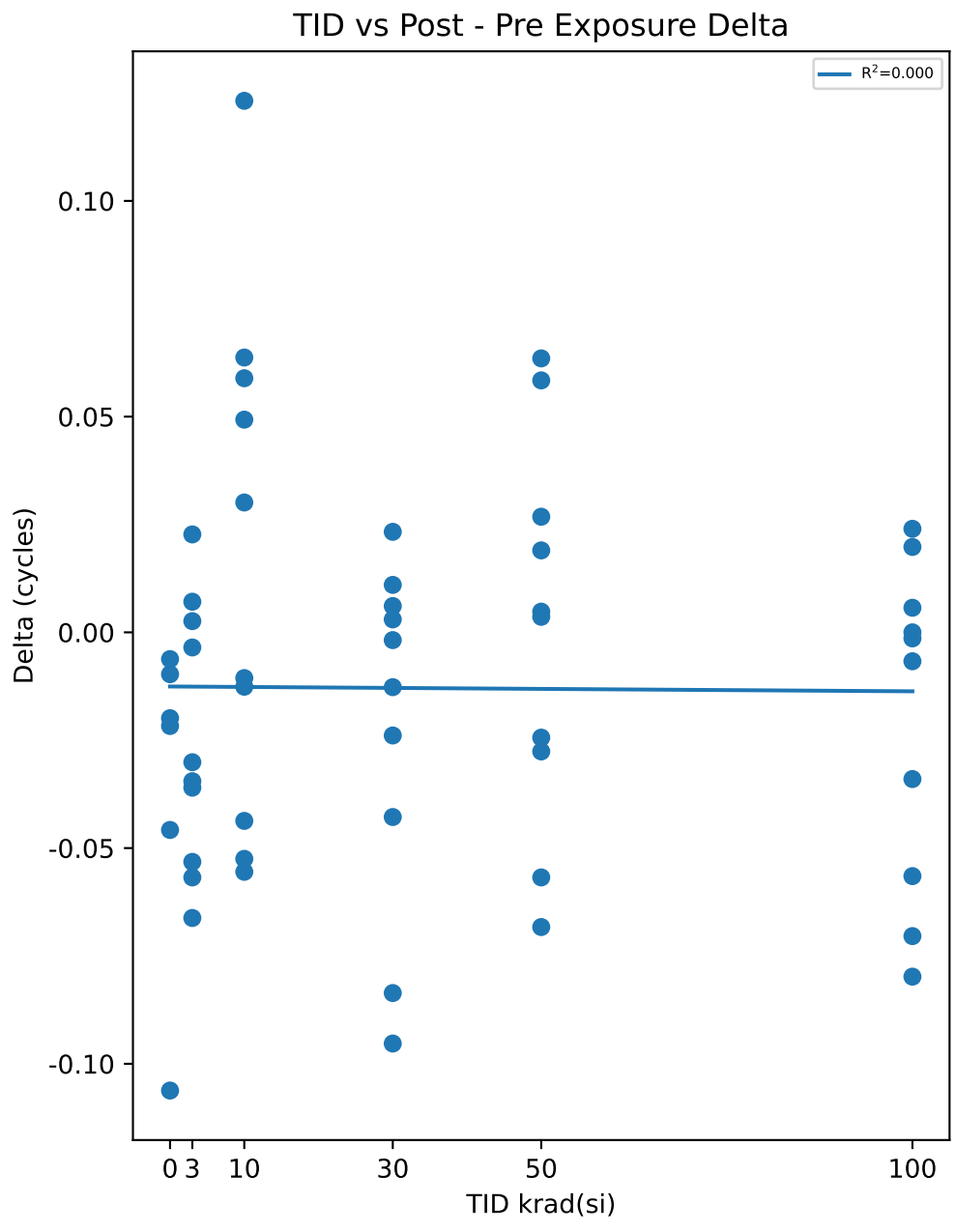
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	LDR Biased	31.55	31.535	-0.0157
2	3	LDR Biased	31.502	31.585	0.0839
3	3	LDR Biased	31.587	31.578	-0.0086
4	3	LDR Biased	31.571	31.569	-0.0019
5	3	LDR Biased	31.535	31.591	0.0552
6	10	LDR Biased	31.587	31.575	-0.0118
7	10	LDR Biased	31.549	31.56	0.0101
8	10	LDR Biased	31.548	31.573	0.025
9	10	LDR Biased	31.569	31.558	-0.0114
10	10	LDR Biased	31.572	31.597	0.0254
11	30	LDR Biased	31.572	31.546	-0.0256
12	30	LDR Biased	31.549	31.561	0.0121
13	30	LDR Biased	31.545	31.569	0.0239
14	30	LDR Biased	31.564	31.571	0.0063
15	30	LDR Biased	31.561	31.579	0.0178
16	50	LDR Biased	31.562	31.529	-0.0331
17	50	LDR Biased	31.581	31.573	-0.008
18	50	LDR Biased	31.544	31.586	0.0422
19	50	LDR Biased	31.577	31.556	-0.0217
20	50	LDR Biased	31.561	31.537	-0.0235
21	100	LDR Biased	31.532	31.556	0.0245
22	100	LDR Biased	31.596	31.583	-0.0124
23	100	LDR Biased	31.542	31.537	-0.0049
24	100	LDR Biased	31.562	31.538	-0.0237
25	100	LDR Biased	31.535	31.554	0.0189
26	3	LDR Unbiased	31.583	31.564	-0.0188
27	3	LDR Unbiased	31.622	31.532	-0.0894
28	3	LDR Unbiased	31.56	31.573	0.013
29	3	LDR Unbiased	31.583	31.544	-0.039
30	3	LDR Unbiased	31.55	31.564	0.0136
31	10	LDR Unbiased	31.596	31.574	-0.0219
32	10	LDR Unbiased	31.58	31.578	-0.0018
33	10	LDR Unbiased	31.552	31.543	-0.0085
34	10	LDR Unbiased	31.561	31.521	-0.0394
35	10	LDR Unbiased	31.528	31.59	0.0612
36	30	LDR Unbiased	31.556	31.545	-0.011
37	30	LDR Unbiased	31.543	31.548	0.0052
38	30	LDR Unbiased	31.543	31.552	0.0083
39	30	LDR Unbiased	31.569	31.544	-0.0253
40	30	LDR Unbiased	31.546	31.576	0.0307
41	50	LDR Unbiased	31.578	31.596	0.0181
42	50	LDR Unbiased	31.595	31.586	-0.0089
43	50	LDR Unbiased	31.608	31.561	-0.0474
44	50	LDR Unbiased	31.596	31.57	-0.0252
45	50	LDR Unbiased	31.553	31.609	0.0555
46	100	LDR Unbiased	31.6	31.57	-0.0299
47	100	LDR Unbiased	31.592	31.544	-0.048
48	100	LDR Unbiased	31.547	31.56	0.0132
49	100	LDR Unbiased	31.528	31.543	0.015
50	100	LDR Unbiased	31.597	31.543	-0.0537
60	0	Correlation	31.568	31.579	0.0112
61	0	Correlation	31.585	31.498	-0.0871
62	0	Correlation	31.564	31.559	-0.0054
63	0	Correlation	31.554	31.552	-0.0011
64	0	Correlation	31.558	31.56	0.0015
65	0	Correlation	31.599	31.579	-0.0203

Test Statistics (cycles)

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	31.554	31.571	31.599	0.01721	31.498	31.555	31.579	0.02987	-0.0871	-0.016867	0.0112	0.035916
3	31.502	31.564	31.622	0.032844	31.532	31.563	31.591	0.020383	-0.0894	-0.00077	0.0839	0.047872
10	31.528	31.564	31.596	0.020458	31.521	31.567	31.597	0.022311	-0.0394	0.00269	0.0612	0.028717
30	31.543	31.555	31.572	0.011212	31.544	31.559	31.579	0.013653	-0.0256	0.00424	0.0307	0.019291
50	31.544	31.576	31.608	0.020414	31.529	31.57	31.609	0.025273	-0.0474	-0.0052	0.0555	0.033437
100	31.528	31.563	31.6	0.029931	31.537	31.553	31.583	0.014962	-0.0537	-0.0101	0.0245	0.028201

Device Test: 24.76 _TIMING|DELAY/FAULT/5//90.9k//@T_FAULT_DELAY





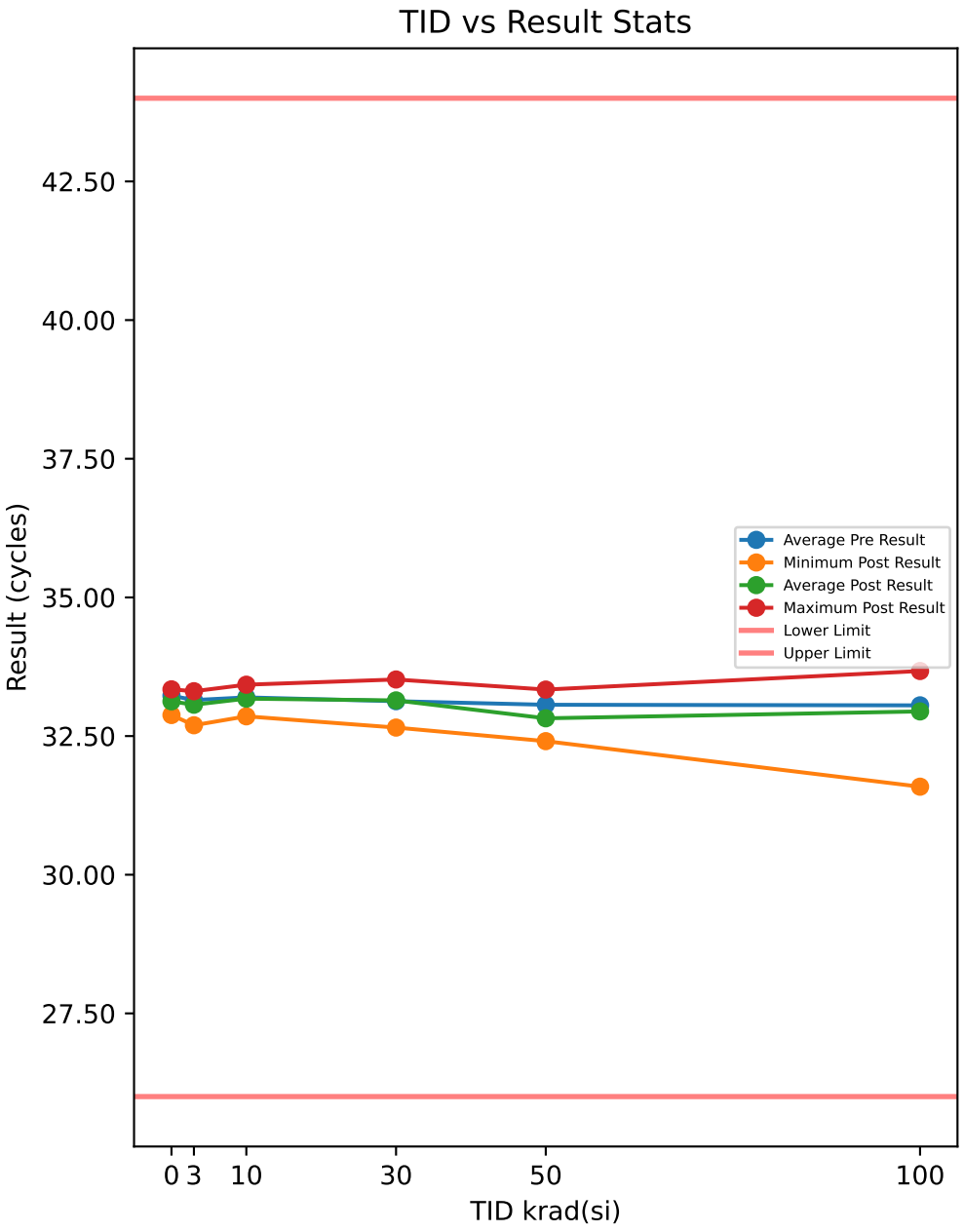
Test Results (Lower Limit = 26.0, Upper Limit = 44.0 (cycles))

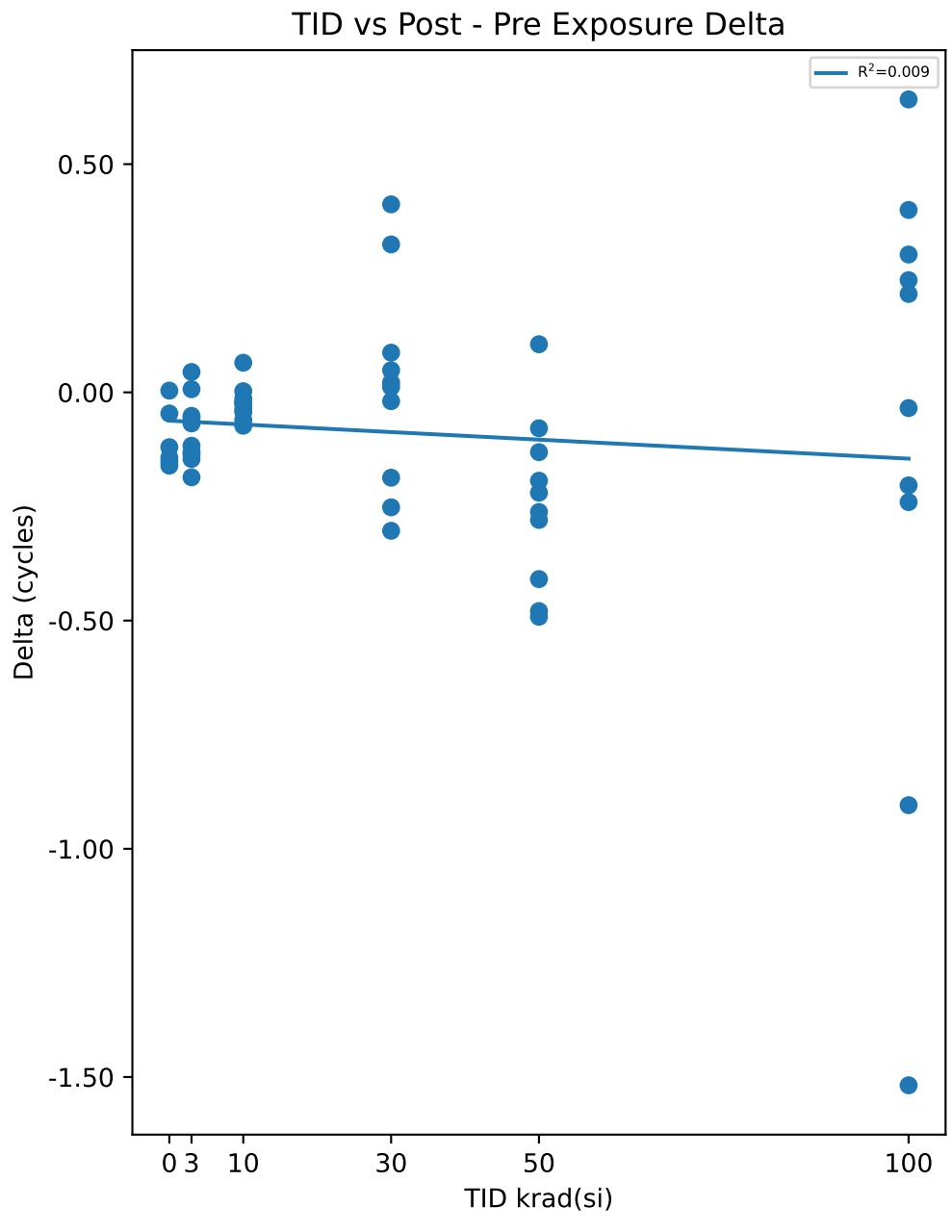
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	LDR Biased	31.858	31.823	-0.0345
2	3	LDR Biased	31.827	31.824	-0.0035
3	3	LDR Biased	31.862	31.809	-0.0532
4	3	LDR Biased	31.864	31.866	0.0026
5	3	LDR Biased	31.842	31.849	0.0071
6	10	LDR Biased	31.836	31.895	0.0589
7	10	LDR Biased	31.779	31.903	0.1232
8	10	LDR Biased	31.852	31.799	-0.0525
9	10	LDR Biased	31.796	31.86	0.0637
10	10	LDR Biased	31.896	31.853	-0.0437
11	30	LDR Biased	31.86	31.872	0.011
12	30	LDR Biased	31.901	31.889	-0.0127
13	30	LDR Biased	31.869	31.845	-0.0239
14	30	LDR Biased	31.904	31.808	-0.0953
15	30	LDR Biased	31.842	31.848	0.0061
16	50	LDR Biased	31.821	31.84	0.019
17	50	LDR Biased	31.852	31.856	0.0036
18	50	LDR Biased	31.888	31.82	-0.0683
19	50	LDR Biased	31.801	31.828	0.0268
20	50	LDR Biased	31.801	31.859	0.0584
21	100	LDR Biased	31.88	31.8	-0.0798
22	100	LDR Biased	31.851	31.794	-0.0565
23	100	LDR Biased	31.824	31.83	0.0057
24	100	LDR Biased	31.848	31.868	0.0198
25	100	LDR Biased	31.914	31.843	-0.0704
26	3	LDR Unbiased	31.86	31.803	-0.0568
27	3	LDR Unbiased	31.892	31.915	0.0227
28	3	LDR Unbiased	31.895	31.829	-0.0662
29	3	LDR Unbiased	31.863	31.833	-0.0301
30	3	LDR Unbiased	31.854	31.818	-0.036
31	10	LDR Unbiased	31.929	31.874	-0.0555
32	10	LDR Unbiased	31.825	31.855	0.0301
33	10	LDR Unbiased	31.857	31.845	-0.0126
34	10	LDR Unbiased	31.871	31.86	-0.0106
35	10	LDR Unbiased	31.846	31.895	0.0493
36	30	LDR Unbiased	31.881	31.838	-0.0428
37	30	LDR Unbiased	31.922	31.839	-0.0836
38	30	LDR Unbiased	31.822	31.845	0.0233
39	30	LDR Unbiased	31.877	31.876	-0.0018
40	30	LDR Unbiased	31.888	31.891	0.003
41	50	LDR Unbiased	31.895	31.839	-0.0568
42	50	LDR Unbiased	31.872	31.877	0.0048
43	50	LDR Unbiased	31.812	31.876	0.0635
44	50	LDR Unbiased	31.859	31.831	-0.0276
45	50	LDR Unbiased	31.842	31.817	-0.0244
46	100	LDR Unbiased	31.823	31.847	0.024
47	100	LDR Unbiased	31.85	31.816	-0.034
48	100	LDR Unbiased	31.856	31.856	0
49	100	LDR Unbiased	31.812	31.81	-0.0014
50	100	LDR Unbiased	31.832	31.826	-0.0067
60	0	Correlation	31.844	31.838	-0.0062
61	0	Correlation	31.859	31.839	-0.0199
62	0	Correlation	31.902	31.796	-0.1062
63	0	Correlation	31.843	31.821	-0.0217
64	0	Correlation	31.9	31.854	-0.0458
65	0	Correlation	31.878	31.869	-0.0097

Test Statistics (cycles)

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	31.843	31.871	31.902	0.026466	31.796	31.836	31.869	0.025532	-0.1062	-0.034917	-0.0062	0.037578
3	31.827	31.862	31.895	0.020296	31.803	31.837	31.915	0.032919	-0.0662	-0.02479	0.0227	0.030314
10	31.779	31.849	31.929	0.044247	31.799	31.864	31.903	0.030479	-0.0555	0.01503	0.1232	0.059442
30	31.822	31.877	31.922	0.030048	31.808	31.855	31.891	0.026035	-0.0953	-0.02167	0.0233	0.04035
50	31.801	31.844	31.895	0.034921	31.817	31.844	31.877	0.02173	-0.0683	-0.0001	0.0635	0.04448
100	31.812	31.849	31.914	0.030122	31.794	31.829	31.868	0.024472	-0.0798	-0.01993	0.024	0.037635

Device Test: 24.78 _TIMING|DELAY/FAULT/5//34.8k//@T_FAULT_DELAY





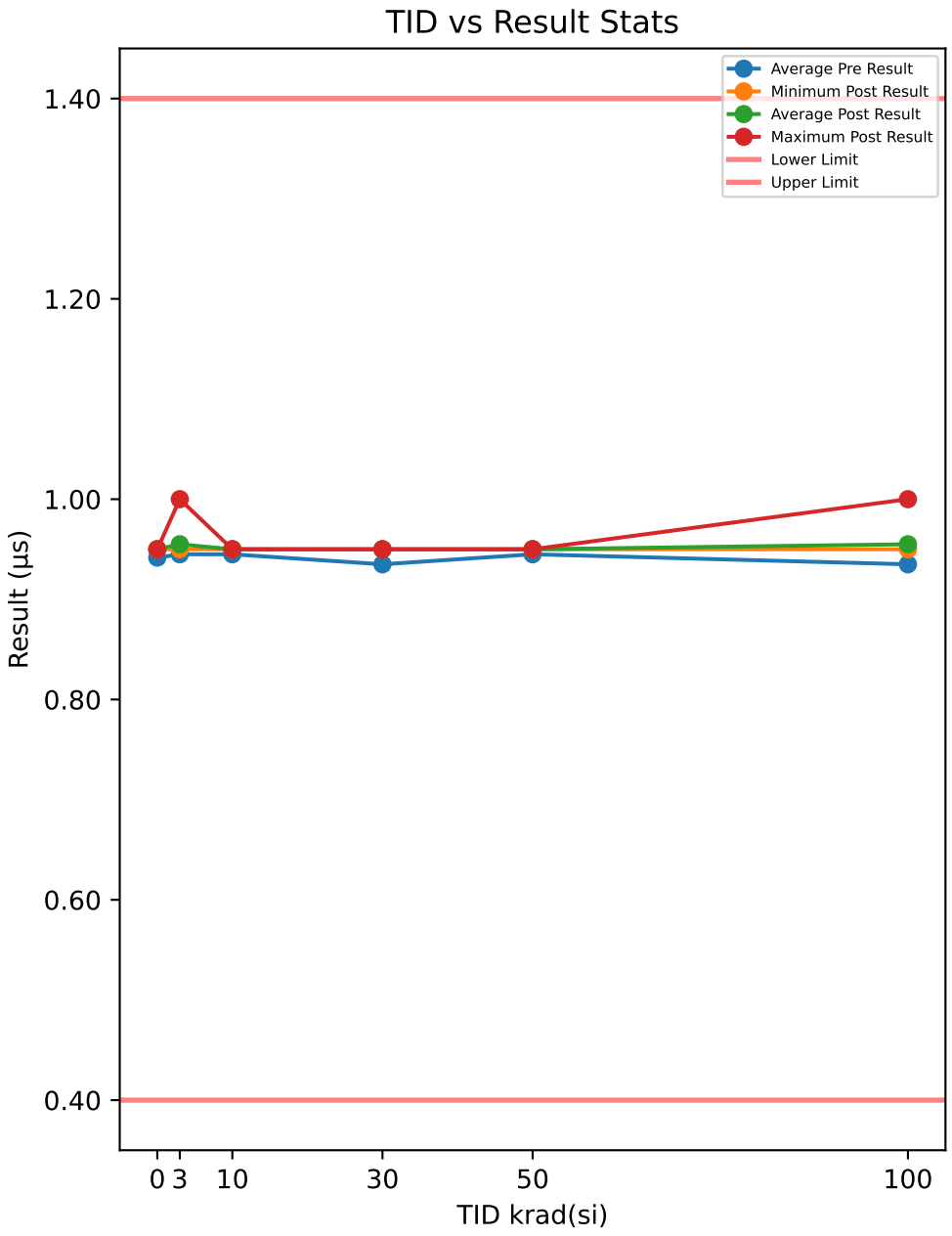
Test Results (Lower Limit = 26.0, Upper Limit = 44.0 (cycles))

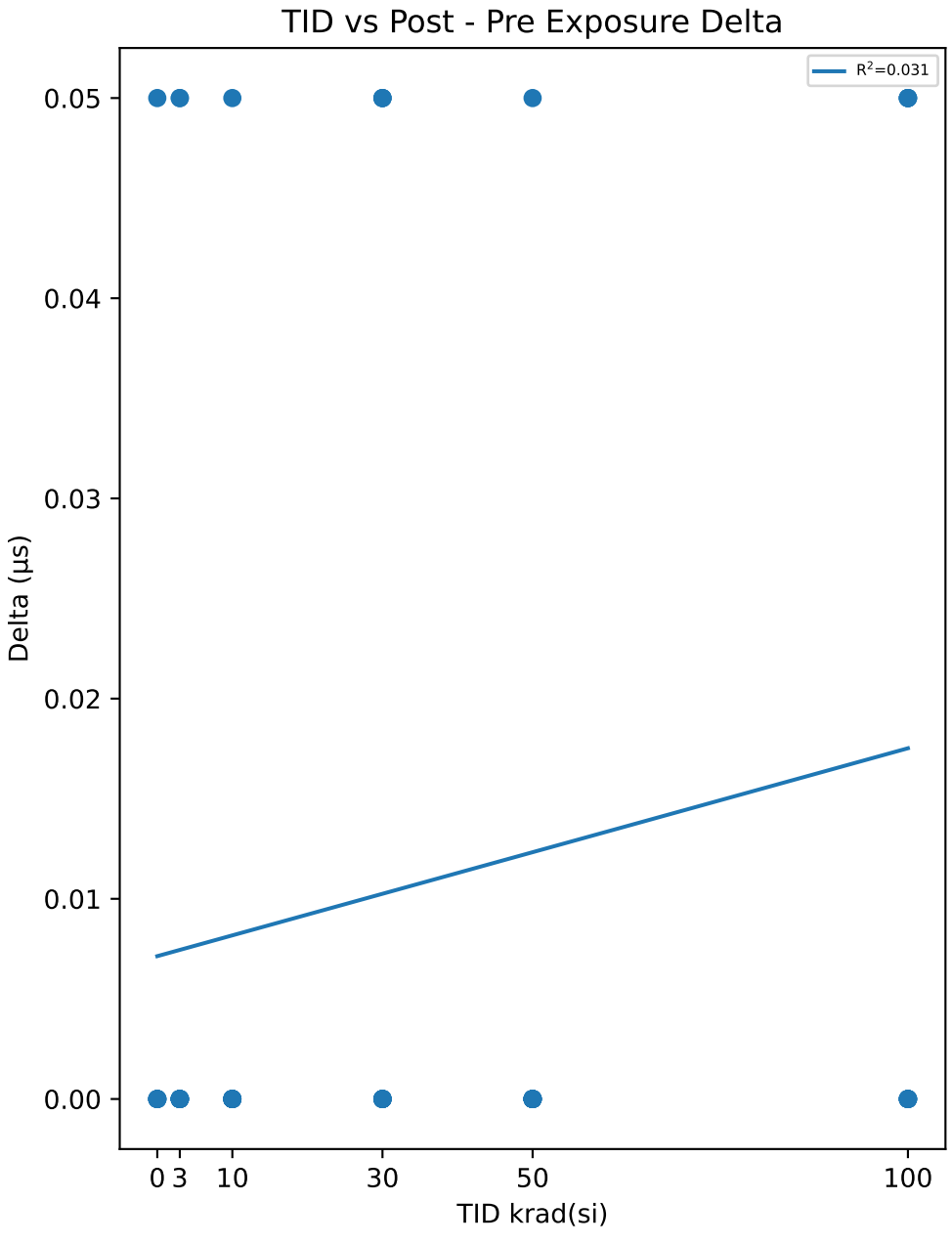
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	LDR Biased	32.747	32.695	-0.0515
2	3	LDR Biased	33.264	33.309	0.0446
3	3	LDR Biased	33.329	33.198	-0.1306
4	3	LDR Biased	33.255	33.187	-0.068
5	3	LDR Biased	33.021	32.875	-0.146
6	10	LDR Biased	33.316	33.255	-0.0601
7	10	LDR Biased	33.264	33.238	-0.0259
8	10	LDR Biased	33.24	33.218	-0.022
9	10	LDR Biased	32.943	32.9	-0.0431
10	10	LDR Biased	33.3	33.303	0.0025
11	30	LDR Biased	33.342	33.429	0.087
12	30	LDR Biased	32.881	32.862	-0.0193
13	30	LDR Biased	32.905	32.653	-0.2519
14	30	LDR Biased	33.189	33.513	0.3241
15	30	LDR Biased	32.877	32.888	0.0117
16	50	LDR Biased	33.233	33.338	0.1054
17	50	LDR Biased	33.26	33.066	-0.1936
18	50	LDR Biased	33.034	32.814	-0.2199
19	50	LDR Biased	32.931	32.8	-0.131
20	50	LDR Biased	33.017	32.525	-0.4917
21	100	LDR Biased	33.069	32.865	-0.2038
22	100	LDR Biased	32.843	31.938	-0.9044
23	100	LDR Biased	33.229	33.475	0.2458
24	100	LDR Biased	33.005	33.405	0.3996
25	100	LDR Biased	33.051	33.266	0.2156
26	3	LDR Unbiased	32.771	32.715	-0.0564
27	3	LDR Unbiased	33.32	33.203	-0.117
28	3	LDR Unbiased	33.266	33.273	0.007
29	3	LDR Unbiased	33.48	33.294	-0.1861
30	3	LDR Unbiased	33.038	32.902	-0.1357
31	10	LDR Unbiased	33.284	33.262	-0.0224
32	10	LDR Unbiased	33.223	33.288	0.0649
33	10	LDR Unbiased	33.033	32.996	-0.037
34	10	LDR Unbiased	33.44	33.426	-0.0137
35	10	LDR Unbiased	32.929	32.856	-0.0731
36	30	LDR Unbiased	33.519	33.331	-0.187
37	30	LDR Unbiased	32.984	33.006	0.0216
38	30	LDR Unbiased	33.108	33.52	0.4119
39	30	LDR Unbiased	33.085	32.782	-0.3033
40	30	LDR Unbiased	33.397	33.445	0.0484
41	50	LDR Unbiased	33.046	32.767	-0.2795
42	50	LDR Unbiased	33.136	32.657	-0.4792
43	50	LDR Unbiased	33.11	32.848	-0.2621
44	50	LDR Unbiased	32.817	32.408	-0.4091
45	50	LDR Unbiased	33.06	32.981	-0.0787
46	100	LDR Unbiased	33.278	33.243	-0.0344
47	100	LDR Unbiased	33.371	33.673	0.302
48	100	LDR Unbiased	32.931	33.573	0.6417
49	100	LDR Unbiased	33.105	31.587	-1.5182
50	100	LDR Unbiased	32.656	32.415	-0.2404
60	0	Correlation	32.876	32.88	0.0038
61	0	Correlation	33.255	33.104	-0.1512
62	0	Correlation	33.185	33.042	-0.1429
63	0	Correlation	33.374	33.214	-0.1606
64	0	Correlation	33.462	33.342	-0.1201
65	0	Correlation	33.218	33.171	-0.0463

Test Statistics (cycles)

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	32.876	33.228	33.462	0.20163	32.88	33.125	33.342	0.15805	-0.1606	-0.10288	0.0038	0.066553
3	32.747	33.149	33.48	0.24552	32.695	33.065	33.309	0.24233	-0.1861	-0.08397	0.0446	0.072338
10	32.929	33.197	33.44	0.17046	32.856	33.174	33.426	0.189	-0.0731	-0.02299	0.0649	0.037946
30	32.877	33.129	33.519	0.22877	32.653	33.143	33.52	0.33683	-0.3033	0.01432	0.4119	0.22948
50	32.817	33.064	33.26	0.13174	32.408	32.82	33.338	0.26711	-0.4917	-0.24394	0.1054	0.18584
100	32.656	33.054	33.371	0.21207	31.587	32.944	33.673	0.72674	-1.5182	-0.10965	0.6417	0.65597

Device Test: 24.79 _TIMING|MINON/FAULT/5//511k//@T_FAULT_MIN





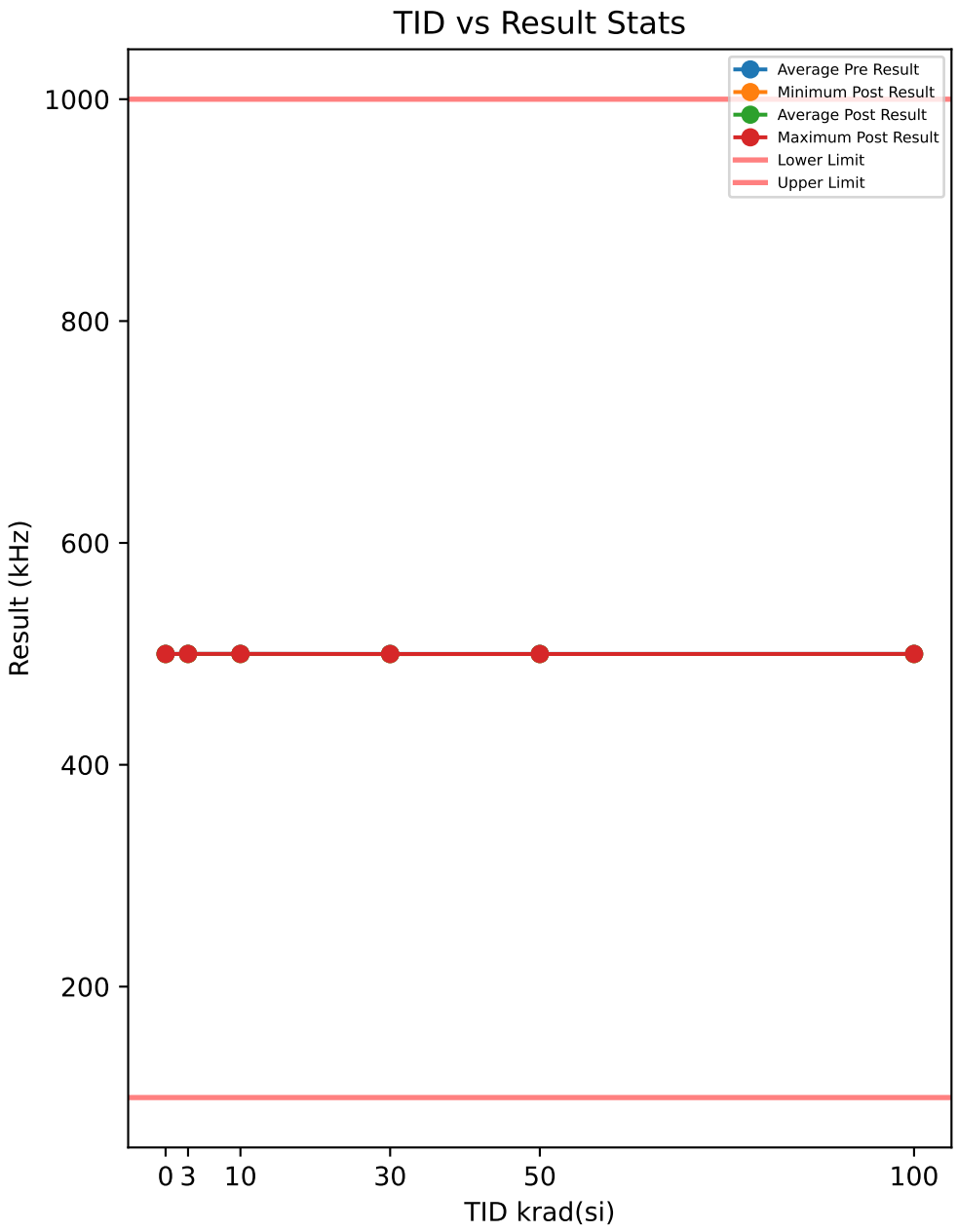
Test Results (Lower Limit = 0.4, Upper Limit = 1.4 (µs))

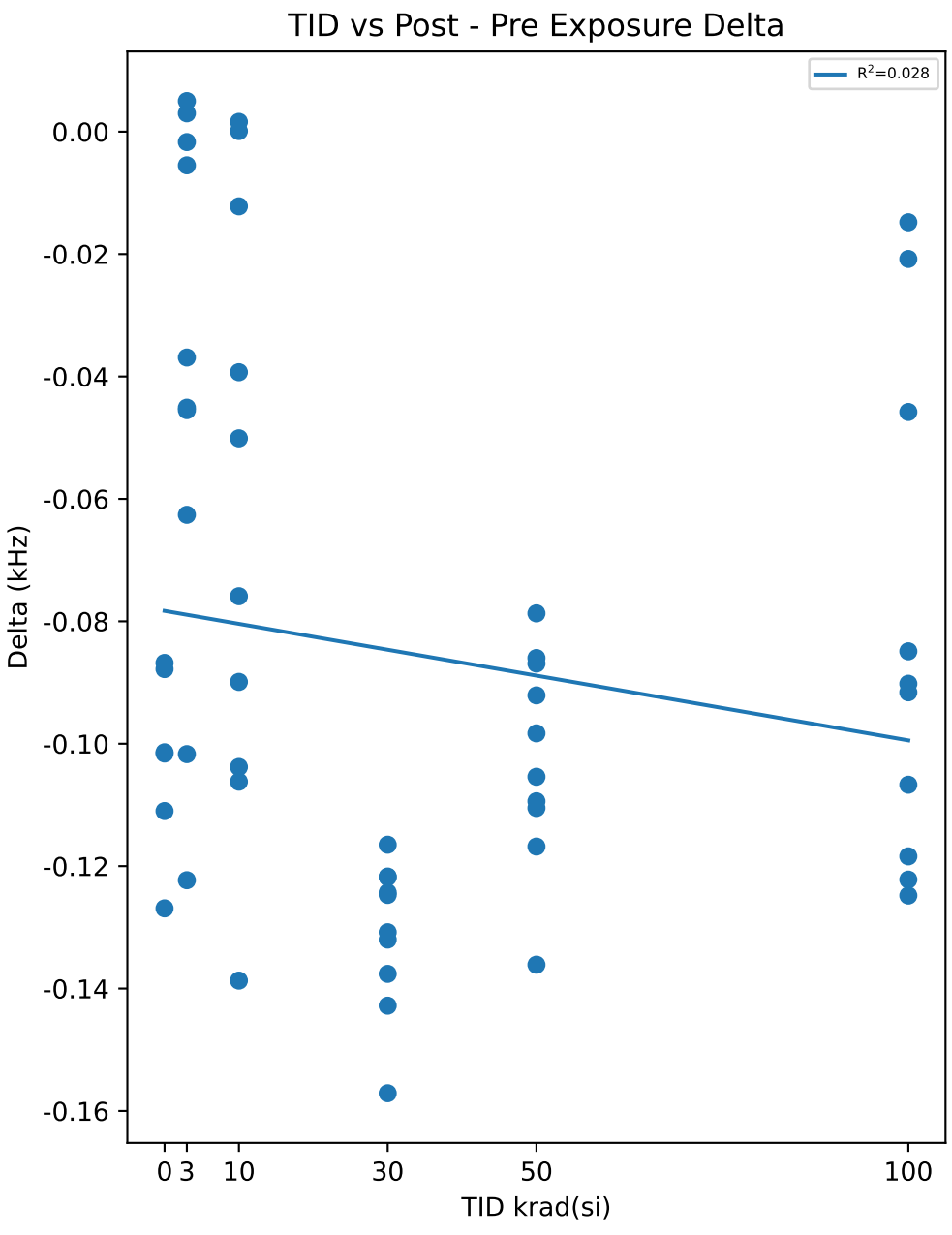
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	LDR Biased	0.95	0.95	0
2	3	LDR Biased	0.95	0.95	0
3	3	LDR Biased	0.95	0.95	0
4	3	LDR Biased	0.95	0.95	0
5	3	LDR Biased	0.9	0.95	0.05
6	10	LDR Biased	0.95	0.95	0
7	10	LDR Biased	0.95	0.95	0
8	10	LDR Biased	0.9	0.95	0.05
9	10	LDR Biased	0.95	0.95	0
10	10	LDR Biased	0.95	0.95	0
11	30	LDR Biased	0.95	0.95	0
12	30	LDR Biased	0.95	0.95	0
13	30	LDR Biased	0.9	0.95	0.05
14	30	LDR Biased	0.95	0.95	0
15	30	LDR Biased	0.9	0.95	0.05
16	50	LDR Biased	0.95	0.95	0
17	50	LDR Biased	0.95	0.95	0
18	50	LDR Biased	0.95	0.95	0
19	50	LDR Biased	0.95	0.95	0
20	50	LDR Biased	0.95	0.95	0
21	100	LDR Biased	0.95	0.95	0
22	100	LDR Biased	0.9	0.95	0.05
23	100	LDR Biased	0.9	0.95	0.05
24	100	LDR Biased	0.95	0.95	0
25	100	LDR Biased	0.95	0.95	0
26	3	LDR Unbiased	0.95	0.95	0
27	3	LDR Unbiased	0.95	1	0.05
28	3	LDR Unbiased	0.95	0.95	0
29	3	LDR Unbiased	0.95	0.95	0
30	3	LDR Unbiased	0.95	0.95	0
31	10	LDR Unbiased	0.95	0.95	0
32	10	LDR Unbiased	0.95	0.95	0
33	10	LDR Unbiased	0.95	0.95	0
34	10	LDR Unbiased	0.95	0.95	0
35	10	LDR Unbiased	0.95	0.95	0
36	30	LDR Unbiased	0.95	0.95	0
37	30	LDR Unbiased	0.9	0.95	0.05
38	30	LDR Unbiased	0.95	0.95	0
39	30	LDR Unbiased	0.95	0.95	0
40	30	LDR Unbiased	0.95	0.95	0
41	50	LDR Unbiased	0.95	0.95	0
42	50	LDR Unbiased	0.95	0.95	0
43	50	LDR Unbiased	0.95	0.95	0
44	50	LDR Unbiased	0.9	0.95	0.05
45	50	LDR Unbiased	0.95	0.95	0
46	100	LDR Unbiased	0.95	0.95	0
47	100	LDR Unbiased	0.95	1	0.05
48	100	LDR Unbiased	0.95	0.95	0
49	100	LDR Unbiased	0.95	0.95	0
50	100	LDR Unbiased	0.9	0.95	0.05
60	0	Correlation	0.9	0.95	0.05
61	0	Correlation	0.95	0.95	0
62	0	Correlation	0.95	0.95	0
63	0	Correlation	0.95	0.95	0
64	0	Correlation	0.95	0.95	0
65	0	Correlation	0.95	0.95	0

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	0.9	0.94167	0.95	0.020412	0.95	0.95	0.95	0	0	0.0083333	0.05	0.020412
3	0.9	0.945	0.95	0.015811	0.95	0.955	1	0.015811	0	0.01	0.05	0.021082
10	0.9	0.945	0.95	0.015811	0.95	0.95	0.95	0	0	0.005	0.05	0.015811
30	0.9	0.935	0.95	0.024152	0.95	0.95	0.95	0	0	0.015	0.05	0.024152
50	0.9	0.945	0.95	0.015811	0.95	0.95	0.95	0	0	0.005	0.05	0.015811
100	0.9	0.935	0.95	0.024152	0.95	0.955	1	0.015811	0	0.02	0.05	0.02582

Device Test: 24.8 _FREQ|500kHz/SYNC1/4.5//OPEN//@SYNC_FREQ_RANGE





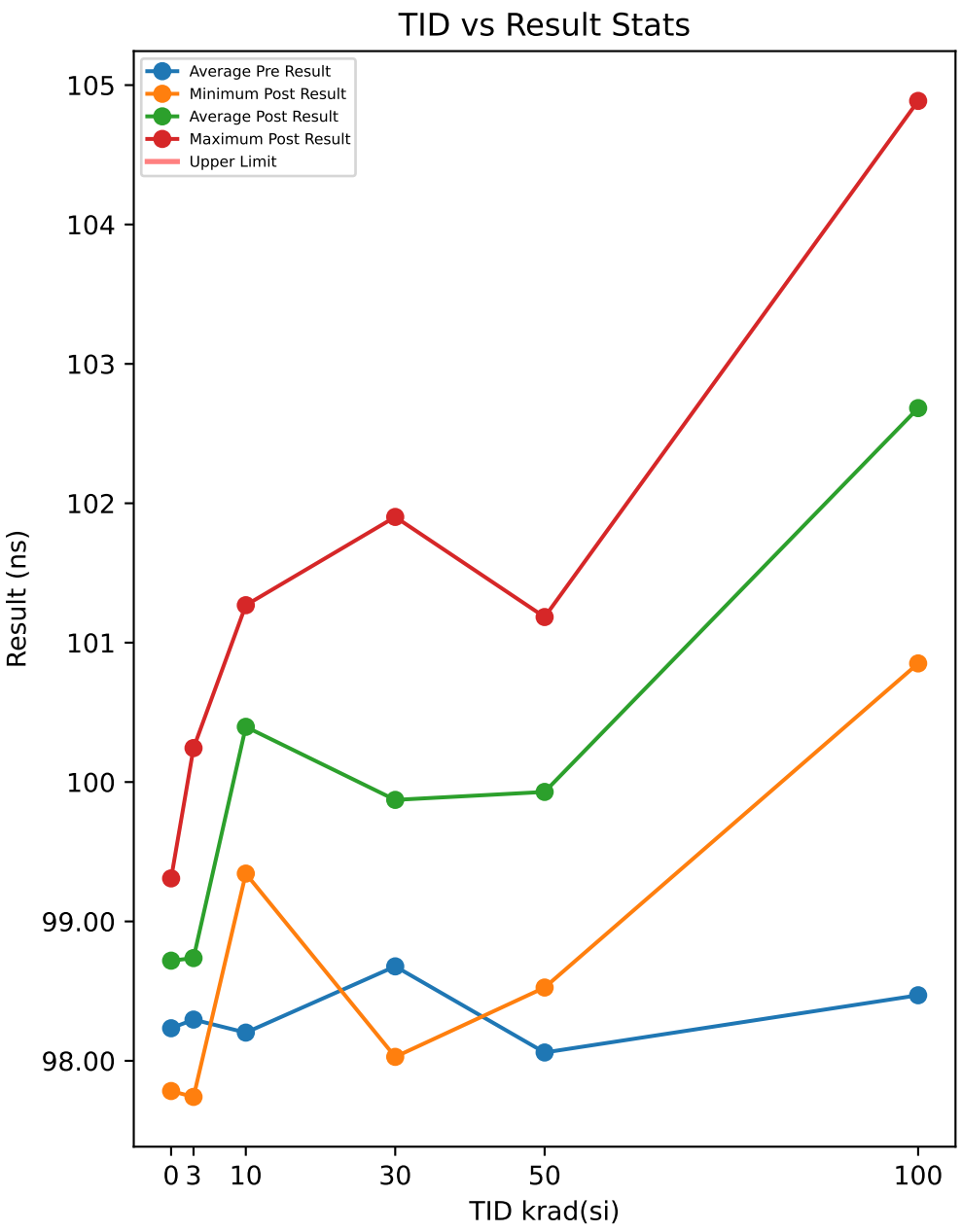
Test Results (Lower Limit = 100.0, Upper Limit = 1000.0 (kHz))

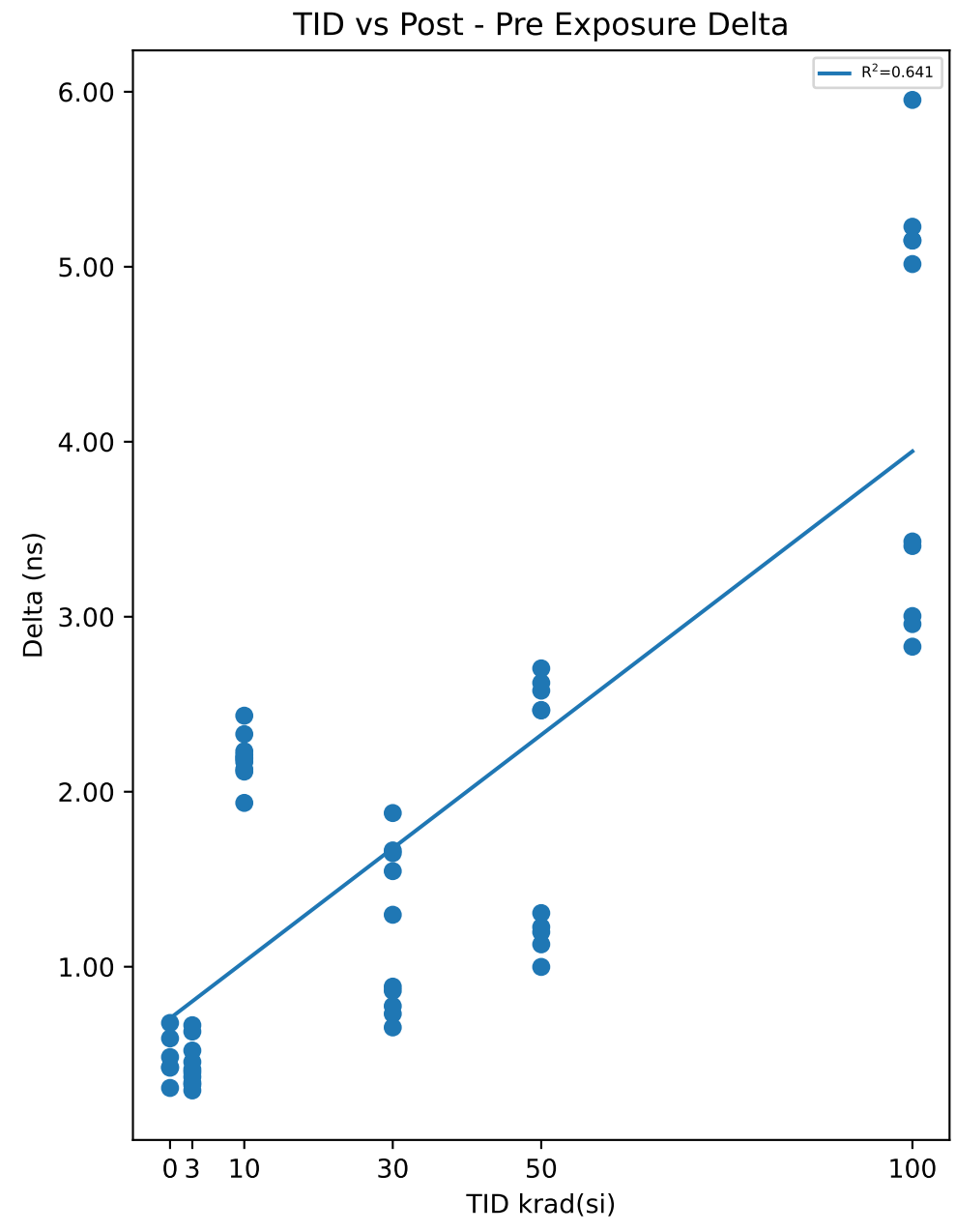
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	LDR Biased	499.97	499.93	-0.0455
2	3	LDR Biased	499.93	499.83	-0.1017
3	3	LDR Biased	499.95	499.91	-0.0369
4	3	LDR Biased	499.95	499.95	-0.0017
5	3	LDR Biased	499.95	499.88	-0.0626
6	10	LDR Biased	499.96	499.87	-0.0899
7	10	LDR Biased	499.94	499.89	-0.0501
8	10	LDR Biased	499.96	499.96	0.0001
9	10	LDR Biased	499.94	499.93	-0.0122
10	10	LDR Biased	499.93	499.89	-0.0393
11	30	LDR Biased	499.95	499.81	-0.1376
12	30	LDR Biased	499.93	499.8	-0.1217
13	30	LDR Biased	499.94	499.82	-0.1247
14	30	LDR Biased	499.94	499.82	-0.1165
15	30	LDR Biased	499.97	499.83	-0.1428
16	50	LDR Biased	499.98	499.85	-0.1361
17	50	LDR Biased	499.92	499.83	-0.086
18	50	LDR Biased	499.97	499.85	-0.1168
19	50	LDR Biased	499.94	499.85	-0.0921
20	50	LDR Biased	499.94	499.86	-0.0787
21	100	LDR Biased	499.94	499.92	-0.0148
22	100	LDR Biased	499.95	499.9	-0.0458
23	100	LDR Biased	499.94	499.85	-0.0902
24	100	LDR Biased	499.97	499.86	-0.1067
25	100	LDR Biased	499.96	499.86	-0.0916
26	3	LDR Unbiased	499.94	499.9	-0.0451
27	3	LDR Unbiased	499.93	499.93	-0.0055
28	3	LDR Unbiased	499.95	499.96	0.003
29	3	LDR Unbiased	499.96	499.83	-0.1223
30	3	LDR Unbiased	499.95	499.96	0.005
31	10	LDR Unbiased	499.97	499.87	-0.1038
32	10	LDR Unbiased	499.96	499.86	-0.1062
33	10	LDR Unbiased	499.94	499.87	-0.0759
34	10	LDR Unbiased	499.96	499.96	0.0016
35	10	LDR Unbiased	499.96	499.82	-0.1387
36	30	LDR Unbiased	499.95	499.83	-0.1218
37	30	LDR Unbiased	499.94	499.81	-0.1308
38	30	LDR Unbiased	499.94	499.82	-0.1243
39	30	LDR Unbiased	499.97	499.84	-0.132
40	30	LDR Unbiased	499.97	499.81	-0.1571
41	50	LDR Unbiased	499.96	499.85	-0.1105
42	50	LDR Unbiased	499.94	499.84	-0.0983
43	50	LDR Unbiased	499.95	499.85	-0.1054
44	50	LDR Unbiased	499.93	499.85	-0.0869
45	50	LDR Unbiased	499.95	499.84	-0.1094
46	100	LDR Unbiased	499.93	499.91	-0.0208
47	100	LDR Unbiased	499.97	499.85	-0.1184
48	100	LDR Unbiased	499.96	499.84	-0.1222
49	100	LDR Unbiased	499.96	499.84	-0.1248
50	100	LDR Unbiased	499.95	499.87	-0.0849
60	0	Correlation	499.96	499.83	-0.1269
61	0	Correlation	499.95	499.87	-0.0878
62	0	Correlation	499.97	499.88	-0.0868
63	0	Correlation	499.95	499.83	-0.111
64	0	Correlation	499.94	499.84	-0.1014
65	0	Correlation	499.95	499.85	-0.1016

Test Statistics (kHz)

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	499.94	499.95	499.97	0.0098998	499.83	499.85	499.88	0.019868	-0.1269	-0.10258	-0.0868	0.015048
3	499.93	499.95	499.97	0.011645	499.83	499.91	499.96	0.046203	-0.1223	-0.04133	0.005	0.04431
10	499.93	499.95	499.97	0.012624	499.82	499.89	499.96	0.045552	-0.1387	-0.06144	0.0016	0.048979
30	499.93	499.95	499.97	0.015471	499.8	499.82	499.84	0.010008	-0.1571	-0.13093	-0.1165	0.012161
50	499.92	499.95	499.98	0.018567	499.83	499.84	499.86	0.0071644	-0.1361	-0.10202	-0.0787	0.017189
100	499.93	499.95	499.97	0.012361	499.84	499.87	499.92	0.030946	-0.1248	-0.08202	-0.0148	0.040991

Device Test: 24.80 _TIMING|DELAY/SW/5//511k//@T_DEAD





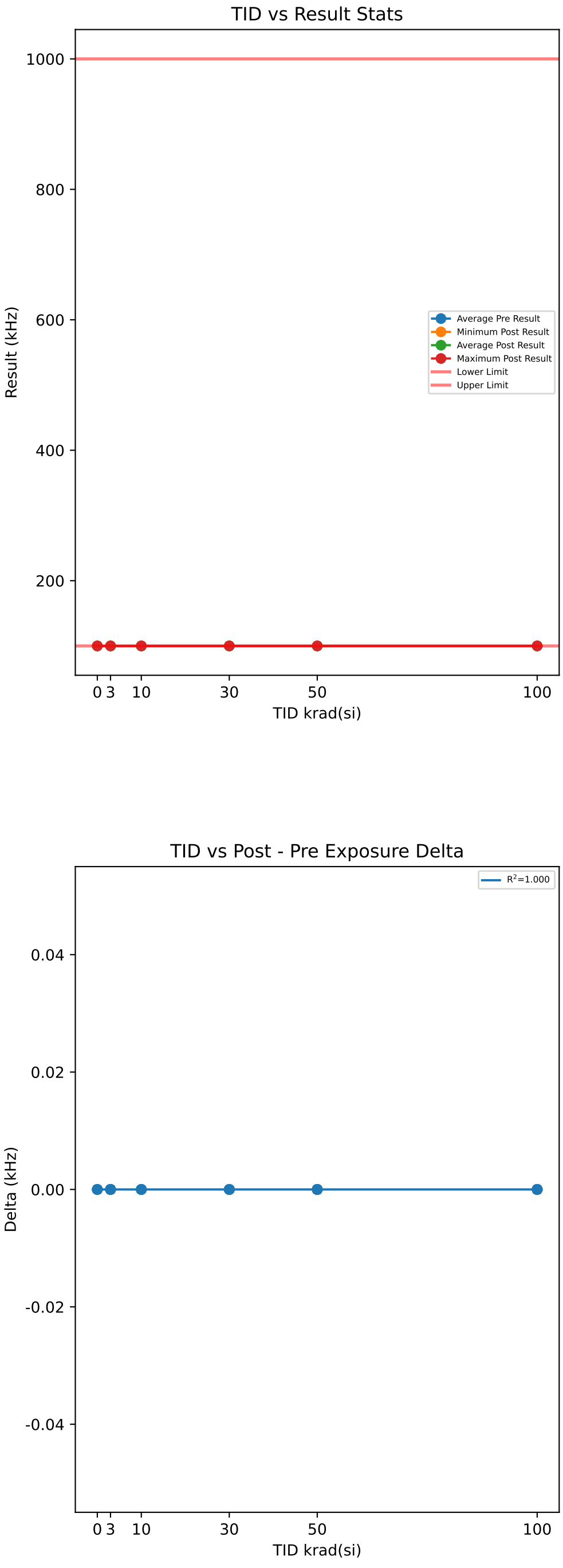
Test Results (No Limits Specified (ns))

Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	LDR Biased	99.918	100.24	0.3256
2	3	LDR Biased	98.413	98.828	0.4143
3	3	LDR Biased	97.683	97.976	0.2931
4	3	LDR Biased	98.502	98.839	0.3374
5	3	LDR Biased	99.195	99.593	0.3973
6	10	LDR Biased	97.812	100.14	2.3292
7	10	LDR Biased	98.675	100.79	2.1153
8	10	LDR Biased	98.11	100.32	2.2102
9	10	LDR Biased	97.955	100.19	2.2316
10	10	LDR Biased	98.129	100.56	2.4346
11	30	LDR Biased	98.253	99.799	1.5464
12	30	LDR Biased	99.028	100.33	1.297
13	30	LDR Biased	98.976	100.64	1.6646
14	30	LDR Biased	98.551	100.2	1.649
15	30	LDR Biased	100.02	101.9	1.8783
16	50	LDR Biased	97.988	100.57	2.5778
17	50	LDR Biased	97.869	100.34	2.467
18	50	LDR Biased	96.061	98.526	2.4645
19	50	LDR Biased	98.479	101.18	2.7049
20	50	LDR Biased	98.102	100.72	2.6223
21	100	LDR Biased	97.986	103	5.0155
22	100	LDR Biased	98.772	103.92	5.1506
23	100	LDR Biased	98.933	104.89	5.9534
24	100	LDR Biased	98.041	103.27	5.2287
25	100	LDR Biased	98.512	103.66	5.1497
26	3	LDR Unbiased	99.373	99.829	0.456
27	3	LDR Unbiased	97.117	97.747	0.6296
28	3	LDR Unbiased	97.075	97.741	0.6658
29	3	LDR Unbiased	97.559	98.08	0.5211
30	3	LDR Unbiased	98.122	98.493	0.3708
31	10	LDR Unbiased	98.132	100.07	1.9362
32	10	LDR Unbiased	99.14	101.27	2.1287
33	10	LDR Unbiased	98.01	100.2	2.1881
34	10	LDR Unbiased	97.149	99.343	2.1944
35	10	LDR Unbiased	98.91	101.08	2.1703
36	30	LDR Unbiased	97.297	98.028	0.7311
37	30	LDR Unbiased	99.25	100.03	0.775
38	30	LDR Unbiased	98.391	99.044	0.6532
39	30	LDR Unbiased	98.795	99.681	0.8863
40	30	LDR Unbiased	98.211	99.074	0.8628
41	50	LDR Unbiased	98.881	100.08	1.198
42	50	LDR Unbiased	98.044	99.172	1.128
43	50	LDR Unbiased	98.427	99.733	1.3065
44	50	LDR Unbiased	98.725	99.952	1.2269
45	50	LDR Unbiased	98.021	99.02	0.9989
46	100	LDR Unbiased	98.056	101.01	2.9582
47	100	LDR Unbiased	97.847	100.85	3.0039
48	100	LDR Unbiased	98.743	101.57	2.829
49	100	LDR Unbiased	99.002	102.43	3.4301
50	100	LDR Unbiased	98.812	102.22	3.4043
60	0	Correlation	98.73	99.153	0.423
61	0	Correlation	97.967	98.393	0.4262
62	0	Correlation	97.105	97.783	0.6786
63	0	Correlation	98.569	99.159	0.5905
64	0	Correlation	98.029	98.513	0.4838
65	0	Correlation	99.001	99.309	0.3073

Test Statistics (ns)

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	97.105	98.234	99.001	0.68353	97.783	98.718	99.309	0.59238	0.3073	0.4849	0.6786	0.13228
3	97.075	98.296	99.918	0.97092	97.741	98.737	100.24	0.89783	0.2931	0.4411	0.6658	0.12746
10	97.149	98.202	99.14	0.57572	99.343	100.4	101.27	0.55611	1.9362	2.1939	2.4346	0.13139
30	97.297	98.678	100.02	0.72786	98.028	99.872	101.9	1.0441	0.6532	1.1944	1.8783	0.46167
50	96.061	98.06	98.881	0.77932	98.526	99.929	101.18	0.83052	0.9989	1.8695	2.7049	0.74281
100	97.847	98.47	99.002	0.44212	100.85	102.68	104.89	1.3104	2.829	4.2123	5.9534	1.187

Device Test: 24.81 _FREQ|100kHz/SYNC1/12//OPEN//@SYNC_FREQ_RANGE



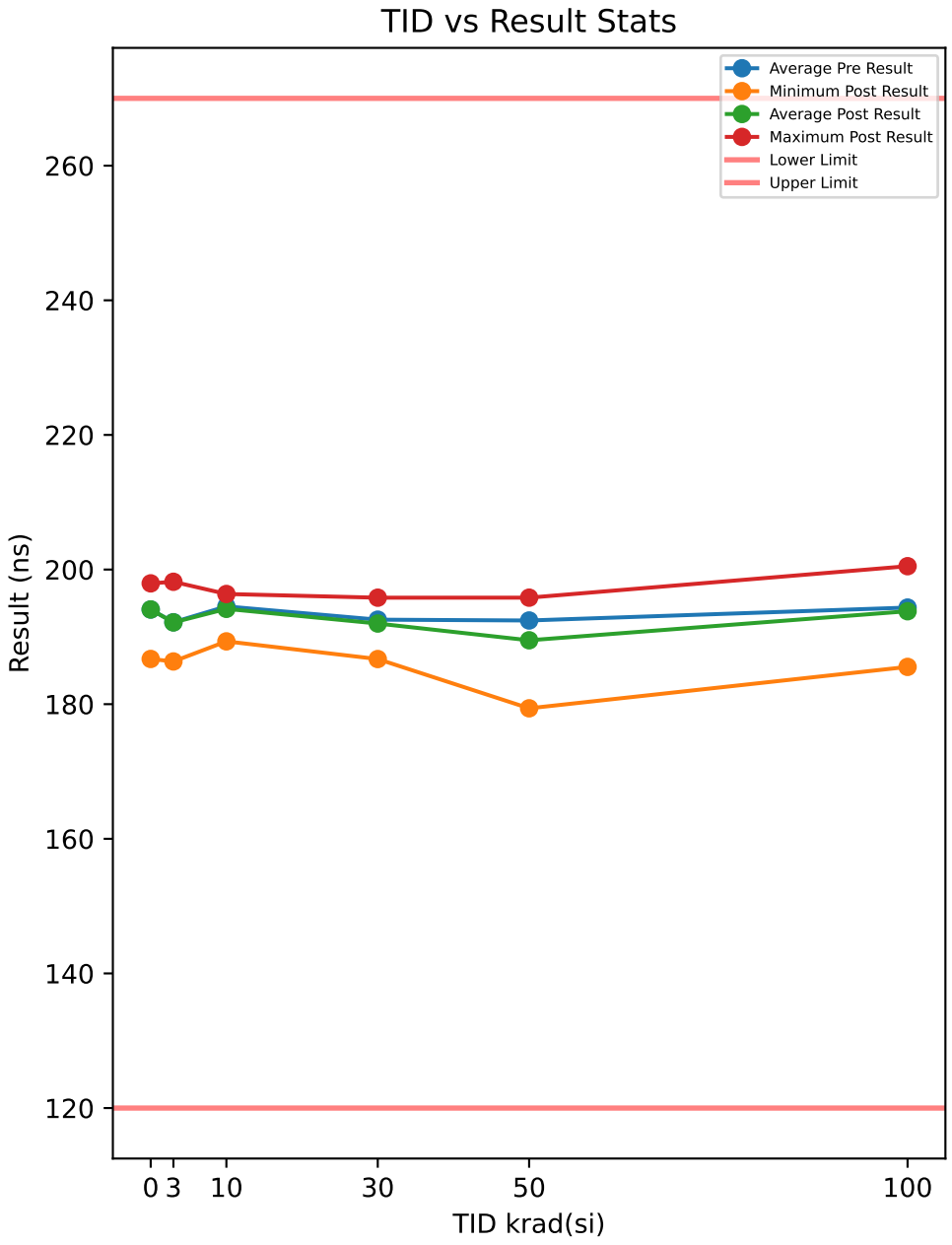
Test Results (Lower Limit = 100.0, Upper Limit = 1000.0 (kHz))

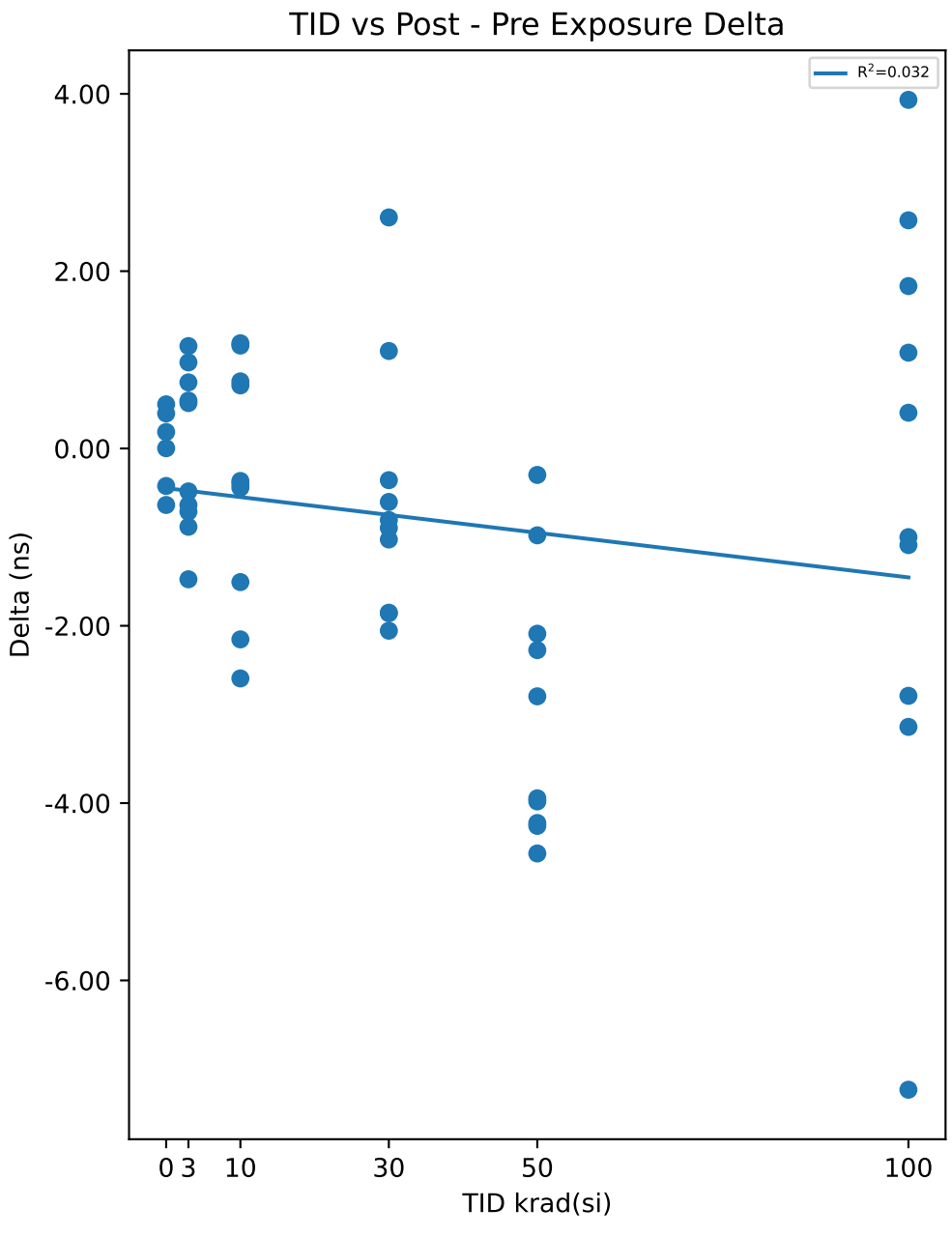
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	LDR Biased	100	100	0
2	3	LDR Biased	100	100	0
3	3	LDR Biased	100	100	0
4	3	LDR Biased	100	100	0
5	3	LDR Biased	100	100	0
6	10	LDR Biased	100	100	0
7	10	LDR Biased	100	100	0
8	10	LDR Biased	100	100	0
9	10	LDR Biased	100	100	0
10	10	LDR Biased	100	100	0
11	30	LDR Biased	100	100	0
12	30	LDR Biased	100	100	0
13	30	LDR Biased	100	100	0
14	30	LDR Biased	100	100	0
15	30	LDR Biased	100	100	0
16	50	LDR Biased	100	100	0
17	50	LDR Biased	100	100	0
18	50	LDR Biased	100	100	0
19	50	LDR Biased	100	100	0
20	50	LDR Biased	100	100	0
21	100	LDR Biased	100	100	0
22	100	LDR Biased	100	100	0
23	100	LDR Biased	100	100	0
24	100	LDR Biased	100	100	0
25	100	LDR Biased	100	100	0
26	3	LDR Unbiased	100	100	0
27	3	LDR Unbiased	100	100	0
28	3	LDR Unbiased	100	100	0
29	3	LDR Unbiased	100	100	0
30	3	LDR Unbiased	100	100	0
31	10	LDR Unbiased	100	100	0
32	10	LDR Unbiased	100	100	0
33	10	LDR Unbiased	100	100	0
34	10	LDR Unbiased	100	100	0
35	10	LDR Unbiased	100	100	0
36	30	LDR Unbiased	100	100	0
37	30	LDR Unbiased	100	100	0
38	30	LDR Unbiased	100	100	0
39	30	LDR Unbiased	100	100	0
40	30	LDR Unbiased	100	100	0
41	50	LDR Unbiased	100	100	0
42	50	LDR Unbiased	100	100	0
43	50	LDR Unbiased	100	100	0
44	50	LDR Unbiased	100	100	0
45	50	LDR Unbiased	100	100	0
46	100	LDR Unbiased	100	100	0
47	100	LDR Unbiased	100	100	0
48	100	LDR Unbiased	100	100	0
49	100	LDR Unbiased	100	100	0
50	100	LDR Unbiased	100	100	0
60	0	Correlation	100	100	0
61	0	Correlation	100	100	0
62	0	Correlation	100	100	0
63	0	Correlation	100	100	0
64	0	Correlation	100	100	0
65	0	Correlation	100	100	0

Test Statistics (kHz)

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

Device Test: 24.82 _TIMING|DELAY/SYNC1/12//OPEN//@SYNC1_SW_DELAY





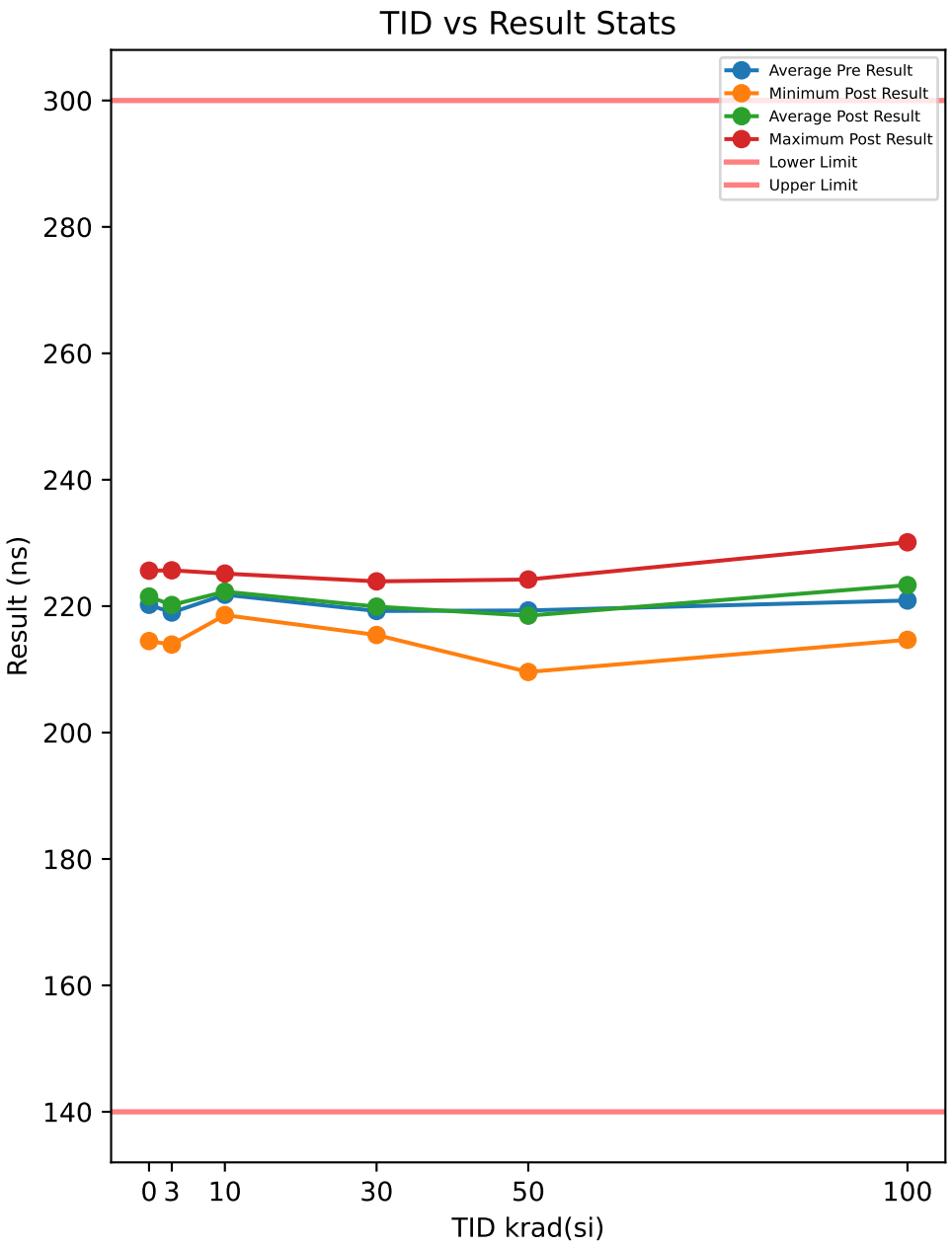
Test Results (Lower Limit = 120.0, Upper Limit = 270.0 (ns))

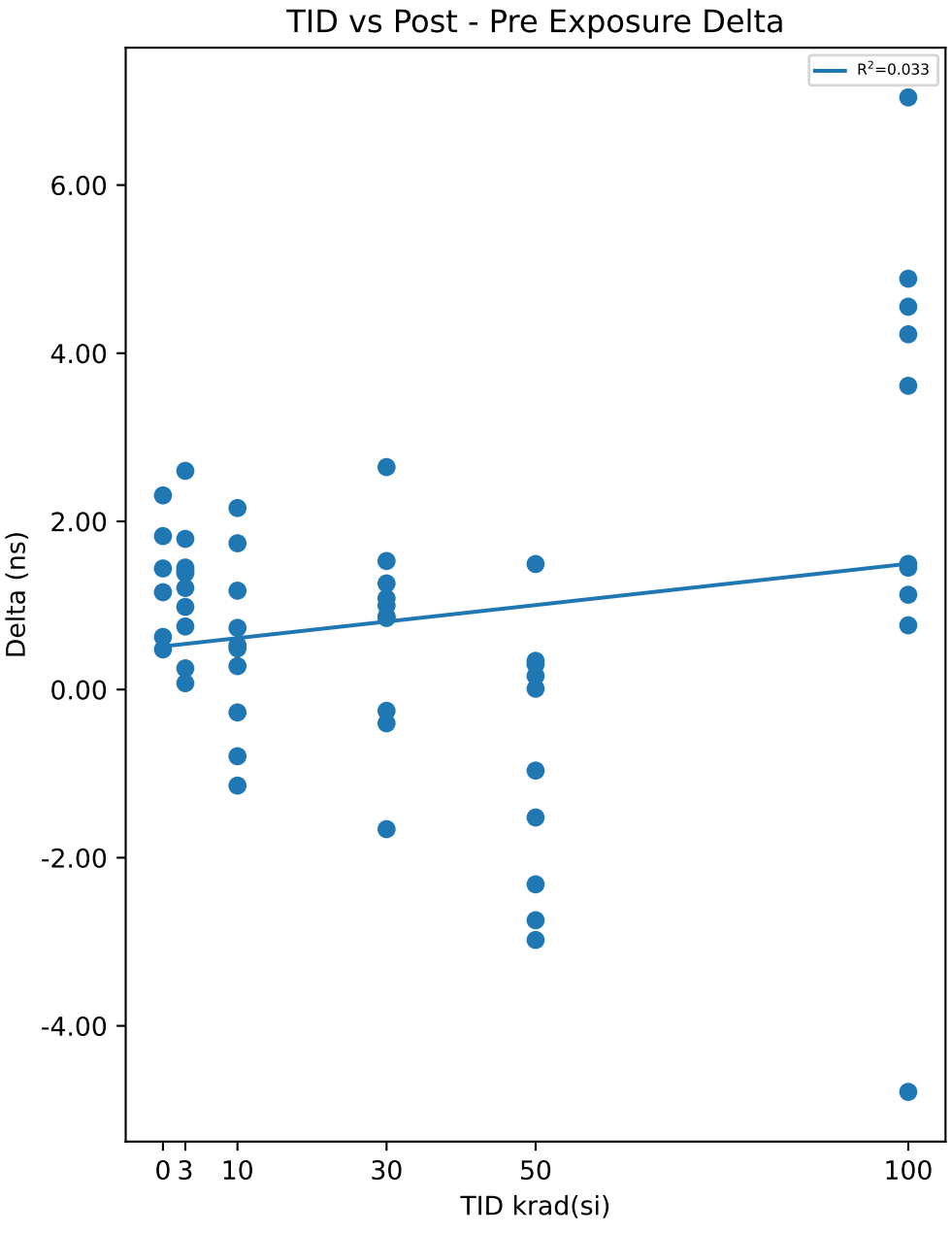
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	LDR Biased	197.67	198.18	0.512
2	3	LDR Biased	194.48	193.84	-0.6374
3	3	LDR Biased	185.6	186.34	0.7455
4	3	LDR Biased	196.7	196.22	-0.4843
5	3	LDR Biased	189.04	188.15	-0.8834
6	10	LDR Biased	196.61	196.22	-0.3974
7	10	LDR Biased	198.54	195.94	-2.5938
8	10	LDR Biased	192.6	191.09	-1.5072
9	10	LDR Biased	194.6	195.76	1.1606
10	10	LDR Biased	195.66	196.37	0.7116
11	30	LDR Biased	191.96	191.06	-0.8965
12	30	LDR Biased	194.27	192.42	-1.8579
13	30	LDR Biased	190.92	189.89	-1.0267
14	30	LDR Biased	193.96	193.15	-0.8068
15	30	LDR Biased	193.21	195.82	2.6061
16	50	LDR Biased	192.24	191.94	-0.2985
17	50	LDR Biased	193.61	189.04	-4.5682
18	50	LDR Biased	183.61	179.38	-4.2245
19	50	LDR Biased	190.27	189.29	-0.9796
20	50	LDR Biased	191.75	189.48	-2.2744
21	100	LDR Biased	200.1	200.5	0.403
22	100	LDR Biased	199.53	198.53	-1.0001
23	100	LDR Biased	194.7	198.63	3.9322
24	100	LDR Biased	194.64	195.72	1.0805
25	100	LDR Biased	186.75	189.32	2.5736
26	3	LDR Unbiased	189.67	190.21	0.5402
27	3	LDR Unbiased	194.37	195.34	0.9709
28	3	LDR Unbiased	192.94	192.23	-0.7122
29	3	LDR Unbiased	190.97	189.5	-1.4755
30	3	LDR Unbiased	190.28	191.44	1.1548
31	10	LDR Unbiased	196.57	196.13	-0.4423
32	10	LDR Unbiased	196.95	194.8	-2.1533
33	10	LDR Unbiased	188.57	189.33	0.7567
34	10	LDR Unbiased	190.36	189.99	-0.3665
35	10	LDR Unbiased	194.79	195.98	1.1868
36	30	LDR Unbiased	188.76	186.7	-2.0555
37	30	LDR Unbiased	192.64	192.04	-0.6032
38	30	LDR Unbiased	193.94	192.08	-1.8526
39	30	LDR Unbiased	194.54	195.64	1.0995
40	30	LDR Unbiased	191.34	190.98	-0.3576
41	50	LDR Unbiased	199.8	195.82	-3.9811
42	50	LDR Unbiased	196.31	193.51	-2.7957
43	50	LDR Unbiased	192.82	188.56	-4.2571
44	50	LDR Unbiased	192.96	189.02	-3.9459
45	50	LDR Unbiased	190.94	188.85	-2.0896
46	100	LDR Unbiased	195.56	192.77	-2.7901
47	100	LDR Unbiased	195.86	192.72	-3.1405
48	100	LDR Unbiased	192.77	185.54	-7.2332
49	100	LDR Unbiased	192.58	194.41	1.8318
50	100	LDR Unbiased	191.02	189.93	-1.0899
60	0	Correlation	190.7	190.27	-0.4231
61	0	Correlation	186.22	186.72	0.4979
62	0	Correlation	195.4	195.8	0.3951
63	0	Correlation	197.94	197.95	0.0026
64	0	Correlation	195.93	196.12	0.1859
65	0	Correlation	198.2	197.56	-0.6373

Test Statistics (ns)

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	186.22	194.07	198.2	4.6974	186.72	194.07	197.95	4.5364	-0.6373	0.0035167	0.4979	0.45247
3	185.6	192.17	197.67	3.739	186.34	192.15	198.18	3.756	-1.4755	-0.02694	1.1548	0.91191
10	188.57	194.52	198.54	3.1341	189.33	194.16	196.37	2.8398	-2.5938	-0.36448	1.1868	1.3593
30	188.76	192.55	194.54	1.8304	186.7	191.98	195.82	2.6619	-2.0555	-0.57512	2.6061	1.4454
50	183.61	192.43	199.8	4.169	179.38	189.49	195.82	4.2965	-4.5682	-2.9415	-0.2985	1.4959
100	186.75	194.35	200.1	3.9207	185.54	193.81	200.5	4.7167	-7.2332	-0.54327	3.9322	3.2655

Device Test: 24.83 _TIMING|DELAY/SYNC1/12//OPEN//@SYNC1_SW_DELAY_INV





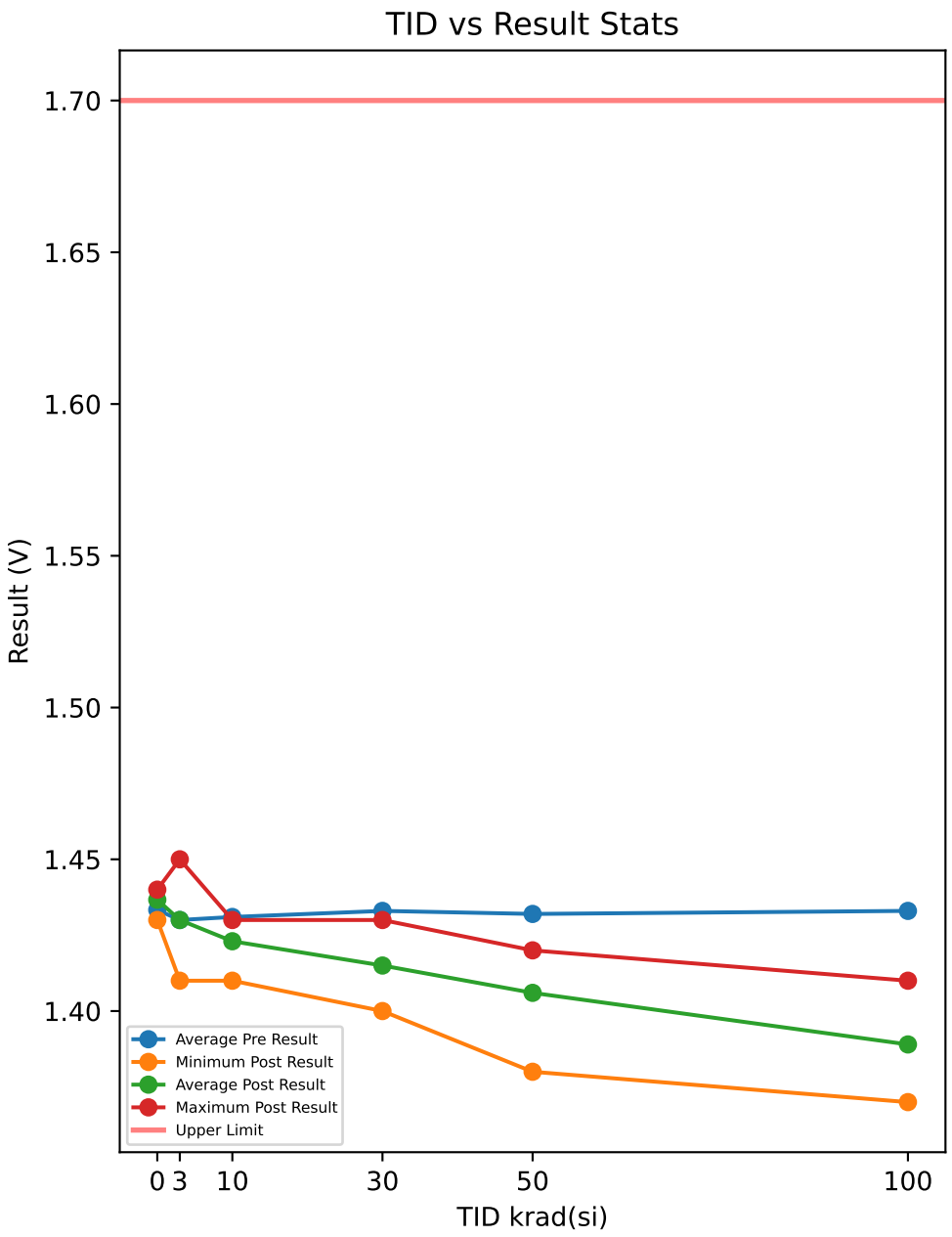
Test Results (Lower Limit = 140.0, Upper Limit = 300.0 (ns))

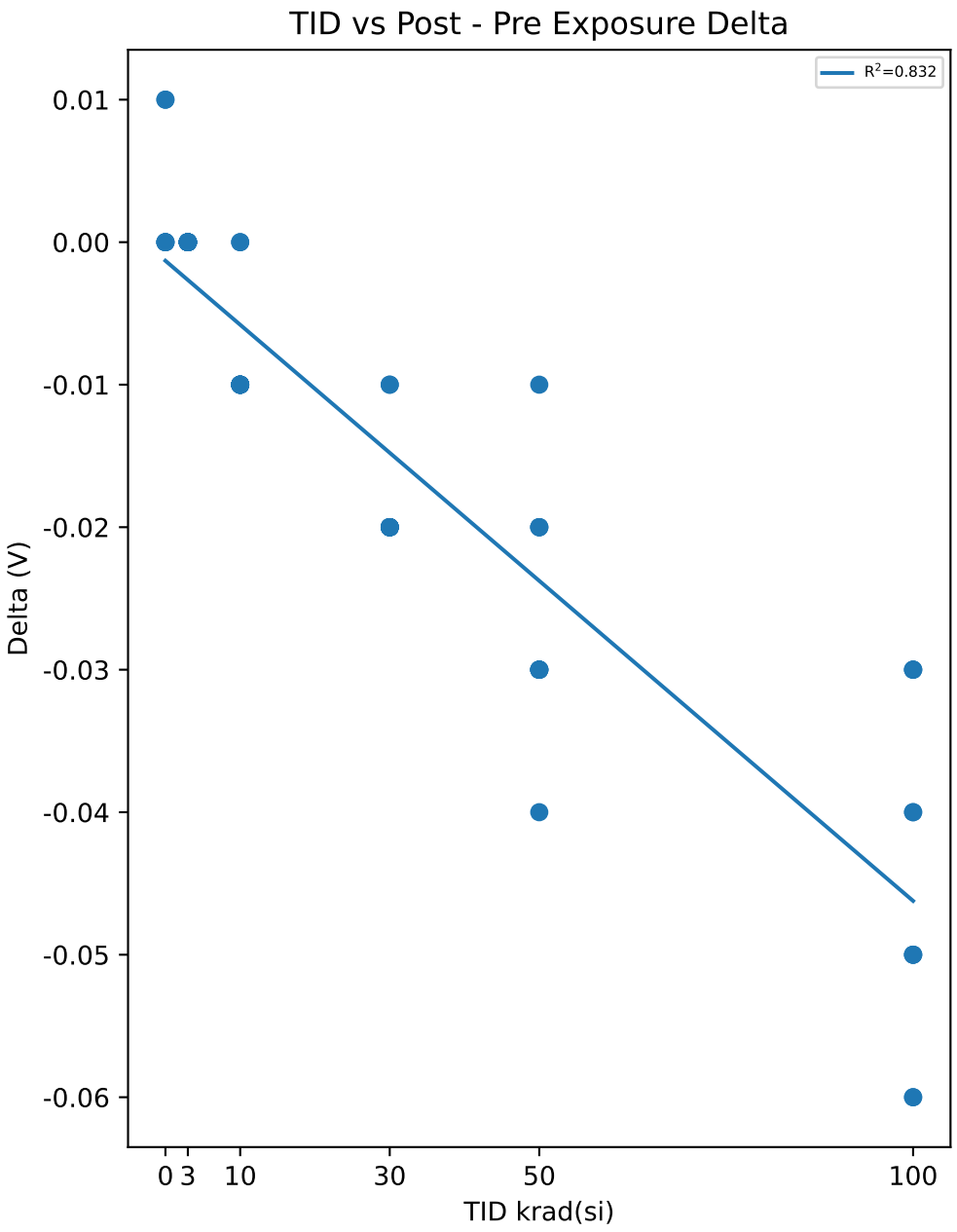
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	LDR Biased	225.59	225.67	0.0753
2	3	LDR Biased	221.58	222.56	0.9829
3	3	LDR Biased	213.18	213.93	0.7498
4	3	LDR Biased	224.19	224.44	0.2518
5	3	LDR Biased	214.31	216.91	2.6008
6	10	LDR Biased	224.66	225.15	0.4895
7	10	LDR Biased	223.22	223.5	0.2786
8	10	LDR Biased	219.38	218.58	-0.7933
9	10	LDR Biased	222.97	224.14	1.1757
10	10	LDR Biased	224.84	224.56	-0.2726
11	30	LDR Biased	219.24	218.84	-0.4016
12	30	LDR Biased	221.86	220.2	-1.6607
13	30	LDR Biased	216.88	218.14	1.262
14	30	LDR Biased	219.38	220.25	0.8693
15	30	LDR Biased	220.44	223.09	2.6457
16	50	LDR Biased	218.89	219.23	0.3407
17	50	LDR Biased	218.61	218.91	0.2994
18	50	LDR Biased	209.43	209.59	0.1612
19	50	LDR Biased	217.96	217.97	0.0095
20	50	LDR Biased	219.17	216.43	-2.7443
21	100	LDR Biased	225.88	230.1	4.2251
22	100	LDR Biased	227.19	228.32	1.1274
23	100	LDR Biased	220.42	227.46	7.0425
24	100	LDR Biased	220.92	224.53	3.6127
25	100	LDR Biased	214.04	218.93	4.8862
26	3	LDR Unbiased	215.49	216.9	1.4119
27	3	LDR Unbiased	222.37	223.82	1.4506
28	3	LDR Unbiased	218.7	220.49	1.7919
29	3	LDR Unbiased	216.78	218.16	1.3844
30	3	LDR Unbiased	217.72	218.93	1.2076
31	10	LDR Unbiased	223.36	224.09	0.7335
32	10	LDR Unbiased	223.97	222.83	-1.1427
33	10	LDR Unbiased	216.71	218.87	2.1586
34	10	LDR Unbiased	218.38	218.91	0.5259
35	10	LDR Unbiased	220.59	222.33	1.7396
36	30	LDR Unbiased	214.59	215.44	0.851
37	30	LDR Unbiased	219.31	220.39	1.084
38	30	LDR Unbiased	220.35	220.09	-0.2532
39	30	LDR Unbiased	222.39	223.92	1.5284
40	30	LDR Unbiased	217.88	218.88	0.9999
41	50	LDR Unbiased	226.4	224.09	-2.317
42	50	LDR Unbiased	225.74	224.22	-1.522
43	50	LDR Unbiased	220.65	217.67	-2.9787
44	50	LDR Unbiased	220.2	219.23	-0.9641
45	50	LDR Unbiased	216.13	217.63	1.4927
46	100	LDR Unbiased	222.33	223.1	0.7637
47	100	LDR Unbiased	221.1	222.55	1.4493
48	100	LDR Unbiased	219.46	214.67	-4.7854
49	100	LDR Unbiased	219.01	223.57	4.5532
50	100	LDR Unbiased	218.58	220.07	1.494
60	0	Correlation	215.41	217.72	2.3091
61	0	Correlation	214	214.48	0.4775
62	0	Correlation	222.01	223.17	1.1574
63	0	Correlation	224.98	225.61	0.6254
64	0	Correlation	222.1	223.54	1.4399
65	0	Correlation	222.78	224.6	1.825

Test Statistics (ns)

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	214	220.21	224.98	4.4212	214.48	221.52	225.61	4.4048	0.4775	1.3057	2.3091	0.70217
3	213.18	218.99	225.59	4.2592	213.93	220.18	225.67	3.8506	0.0753	1.1907	2.6008	0.7354
10	216.71	221.81	224.84	2.8446	218.58	222.3	225.15	2.5529	-1.1427	0.48928	2.1586	1.0443
30	214.59	219.23	222.39	2.323	215.44	219.92	223.92	2.4035	-1.6607	0.69248	2.6457	1.1912
50	209.43	219.32	226.4	4.7663	209.59	218.5	224.22	4.0899	-2.9787	-0.82226	1.4927	1.5172
100	214.04	220.89	227.19	3.7217	214.67	223.33	230.1	4.6527	-4.7854	2.4369	7.0425	3.2457

Device Test: 24.84 _THRESHOLD|RISE/SYNC1/12//OPEN//@SYNC1_VIH





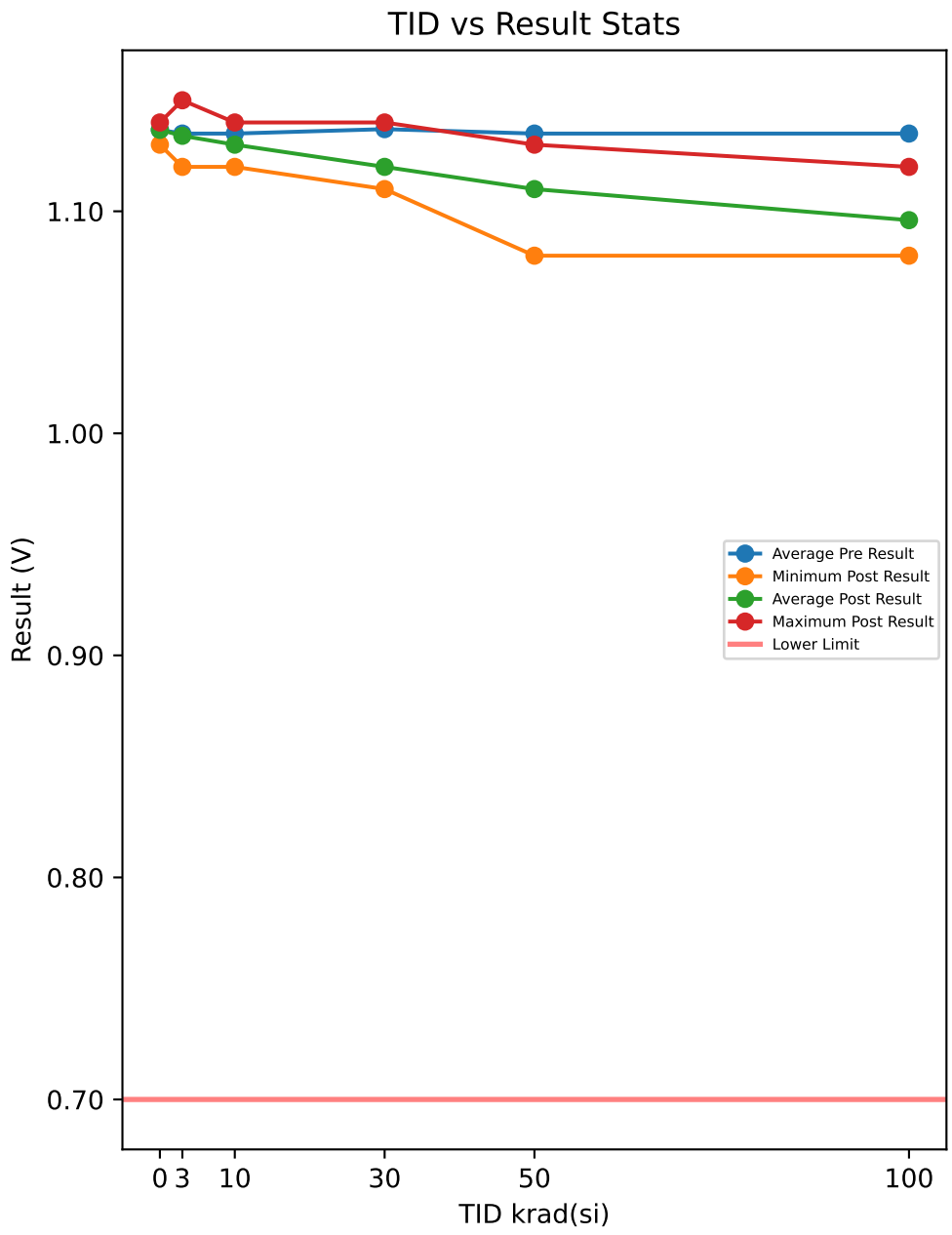
Test Results (Upper Limit = 1.7 (V))

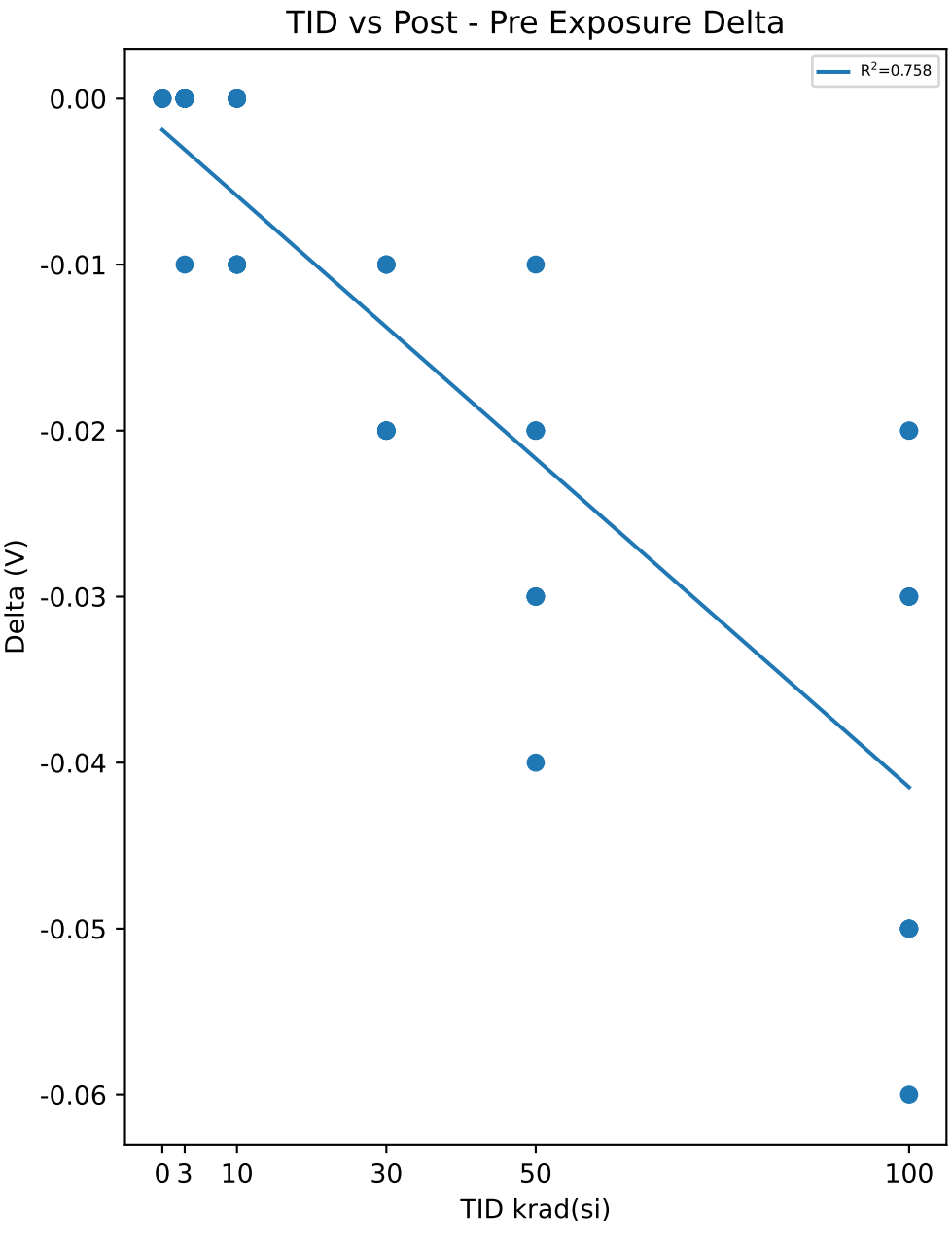
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	LDR Biased	1.44	1.44	0
2	3	LDR Biased	1.41	1.41	0
3	3	LDR Biased	1.42	1.42	0
4	3	LDR Biased	1.44	1.44	0
5	3	LDR Biased	1.44	1.44	0
6	10	LDR Biased	1.43	1.42	-0.01
7	10	LDR Biased	1.44	1.43	-0.01
8	10	LDR Biased	1.44	1.43	-0.01
9	10	LDR Biased	1.42	1.42	0
10	10	LDR Biased	1.42	1.41	-0.01
11	30	LDR Biased	1.43	1.41	-0.02
12	30	LDR Biased	1.43	1.41	-0.02
13	30	LDR Biased	1.44	1.42	-0.02
14	30	LDR Biased	1.45	1.43	-0.02
15	30	LDR Biased	1.44	1.43	-0.01
16	50	LDR Biased	1.43	1.41	-0.02
17	50	LDR Biased	1.44	1.42	-0.02
18	50	LDR Biased	1.42	1.4	-0.02
19	50	LDR Biased	1.43	1.4	-0.03
20	50	LDR Biased	1.43	1.42	-0.01
21	100	LDR Biased	1.42	1.39	-0.03
22	100	LDR Biased	1.43	1.4	-0.03
23	100	LDR Biased	1.44	1.4	-0.04
24	100	LDR Biased	1.43	1.4	-0.03
25	100	LDR Biased	1.45	1.41	-0.04
26	3	LDR Unbiased	1.45	1.45	0
27	3	LDR Unbiased	1.42	1.42	0
28	3	LDR Unbiased	1.42	1.42	0
29	3	LDR Unbiased	1.43	1.43	0
30	3	LDR Unbiased	1.43	1.43	0
31	10	LDR Unbiased	1.43	1.42	-0.01
32	10	LDR Unbiased	1.44	1.43	-0.01
33	10	LDR Unbiased	1.42	1.42	0
34	10	LDR Unbiased	1.43	1.42	-0.01
35	10	LDR Unbiased	1.44	1.43	-0.01
36	30	LDR Unbiased	1.42	1.4	-0.02
37	30	LDR Unbiased	1.44	1.42	-0.02
38	30	LDR Unbiased	1.43	1.41	-0.02
39	30	LDR Unbiased	1.43	1.41	-0.02
40	30	LDR Unbiased	1.42	1.41	-0.01
41	50	LDR Unbiased	1.44	1.41	-0.03
42	50	LDR Unbiased	1.41	1.38	-0.03
43	50	LDR Unbiased	1.44	1.41	-0.03
44	50	LDR Unbiased	1.44	1.41	-0.03
45	50	LDR Unbiased	1.44	1.4	-0.04
46	100	LDR Unbiased	1.43	1.38	-0.05
47	100	LDR Unbiased	1.43	1.38	-0.05
48	100	LDR Unbiased	1.43	1.38	-0.05
49	100	LDR Unbiased	1.44	1.38	-0.06
50	100	LDR Unbiased	1.43	1.37	-0.06
60	0	Correlation	1.44	1.44	0
61	0	Correlation	1.43	1.43	0
62	0	Correlation	1.43	1.43	0
63	0	Correlation	1.44	1.44	0
64	0	Correlation	1.43	1.44	0.01
65	0	Correlation	1.43	1.44	0.01

Test Statistics (V)

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	1.43	1.4333	1.44	0.005164	1.43	1.4367	1.44	0.005164	0	0.0033333	0.01	0.005164
3	1.41	1.43	1.45	0.012472	1.41	1.43	1.45	0.012472	0	0	0	0
10	1.42	1.431	1.44	0.008756	1.41	1.423	1.43	0.0067495	-0.01	-0.008	0	0.0042164
30	1.42	1.433	1.45	0.0094868	1.4	1.415	1.43	0.0097183	-0.02	-0.018	-0.01	0.0042164
50	1.41	1.432	1.44	0.010328	1.38	1.406	1.42	0.011738	-0.04	-0.026	-0.01	0.0084327
100	1.42	1.433	1.45	0.0082327	1.37	1.389	1.41	0.012867	-0.06	-0.044	-0.03	0.011738

Device Test: 24.85 _THRESHOLD|FALL/SYNC1/12//OPEN//@SYNC1_VIL





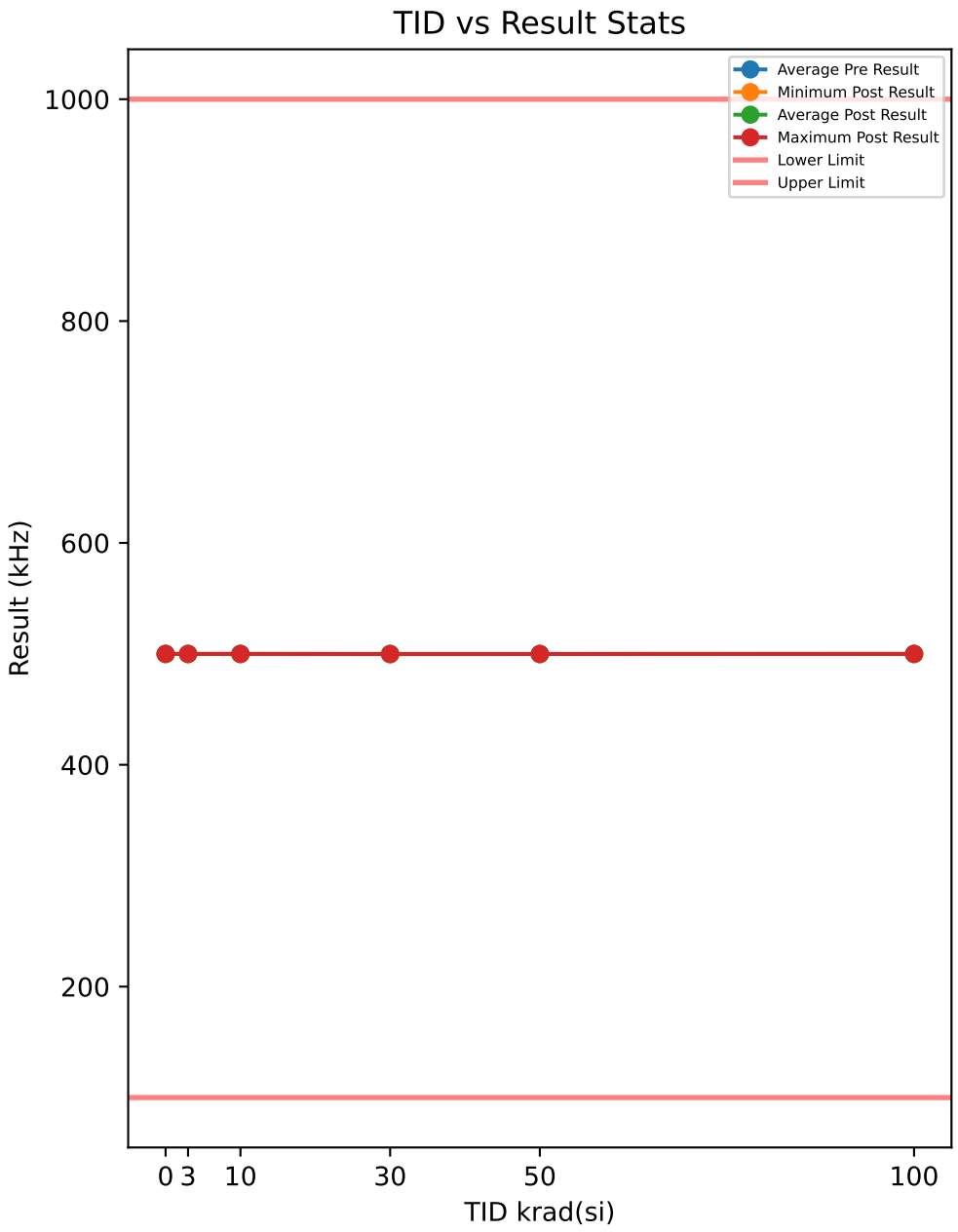
Test Results (Lower Limit = 0.7 (V))

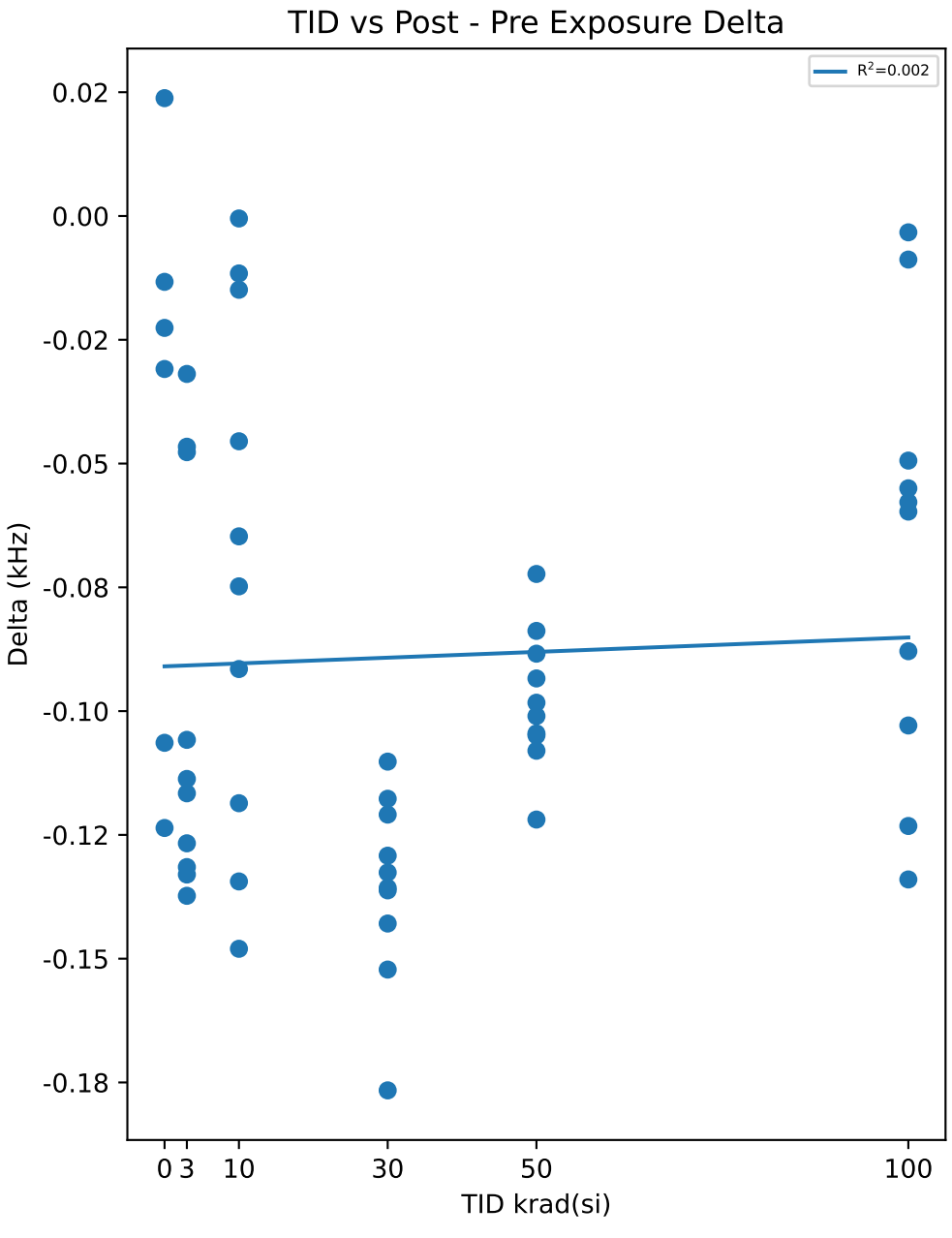
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	LDR Biased	1.14	1.14	0
2	3	LDR Biased	1.12	1.12	0
3	3	LDR Biased	1.13	1.13	0
4	3	LDR Biased	1.14	1.14	0
5	3	LDR Biased	1.14	1.14	0
6	10	LDR Biased	1.14	1.13	-0.01
7	10	LDR Biased	1.15	1.14	-0.01
8	10	LDR Biased	1.14	1.13	-0.01
9	10	LDR Biased	1.12	1.12	0
10	10	LDR Biased	1.12	1.12	0
11	30	LDR Biased	1.14	1.13	-0.01
12	30	LDR Biased	1.14	1.12	-0.02
13	30	LDR Biased	1.14	1.12	-0.02
14	30	LDR Biased	1.15	1.14	-0.01
15	30	LDR Biased	1.14	1.13	-0.01
16	50	LDR Biased	1.14	1.12	-0.02
17	50	LDR Biased	1.14	1.13	-0.01
18	50	LDR Biased	1.12	1.1	-0.02
19	50	LDR Biased	1.13	1.11	-0.02
20	50	LDR Biased	1.14	1.12	-0.02
21	100	LDR Biased	1.12	1.1	-0.02
22	100	LDR Biased	1.13	1.11	-0.02
23	100	LDR Biased	1.14	1.11	-0.03
24	100	LDR Biased	1.13	1.1	-0.03
25	100	LDR Biased	1.15	1.12	-0.03
26	3	LDR Unbiased	1.15	1.15	0
27	3	LDR Unbiased	1.13	1.13	0
28	3	LDR Unbiased	1.13	1.12	-0.01
29	3	LDR Unbiased	1.13	1.13	0
30	3	LDR Unbiased	1.14	1.14	0
31	10	LDR Unbiased	1.14	1.13	-0.01
32	10	LDR Unbiased	1.14	1.14	0
33	10	LDR Unbiased	1.13	1.12	-0.01
34	10	LDR Unbiased	1.13	1.13	0
35	10	LDR Unbiased	1.14	1.14	0
36	30	LDR Unbiased	1.13	1.11	-0.02
37	30	LDR Unbiased	1.14	1.12	-0.02
38	30	LDR Unbiased	1.13	1.11	-0.02
39	30	LDR Unbiased	1.13	1.11	-0.02
40	30	LDR Unbiased	1.13	1.11	-0.02
41	50	LDR Unbiased	1.14	1.11	-0.03
42	50	LDR Unbiased	1.11	1.08	-0.03
43	50	LDR Unbiased	1.14	1.11	-0.03
44	50	LDR Unbiased	1.14	1.11	-0.03
45	50	LDR Unbiased	1.15	1.11	-0.04
46	100	LDR Unbiased	1.13	1.08	-0.05
47	100	LDR Unbiased	1.14	1.09	-0.05
48	100	LDR Unbiased	1.13	1.08	-0.05
49	100	LDR Unbiased	1.14	1.09	-0.05
50	100	LDR Unbiased	1.14	1.08	-0.06
60	0	Correlation	1.14	1.14	0
61	0	Correlation	1.13	1.13	0
62	0	Correlation	1.13	1.13	0
63	0	Correlation	1.14	1.14	0
64	0	Correlation	1.14	1.14	0
65	0	Correlation	1.14	1.14	0

Test Statistics (V)

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	1.13	1.1367	1.14	0.005164	1.13	1.1367	1.14	0.005164	0	0	0	0
3	1.12	1.135	1.15	0.0084984	1.12	1.134	1.15	0.0096609	-0.01	-0.001	0	0.0031623
10	1.12	1.135	1.15	0.0097183	1.12	1.13	1.14	0.008165	-0.01	-0.005	0	0.0052705
30	1.13	1.137	1.15	0.0067495	1.11	1.12	1.14	0.010541	-0.02	-0.017	-0.01	0.0048305
50	1.11	1.135	1.15	0.011785	1.08	1.11	1.13	0.013333	-0.04	-0.025	-0.01	0.0084984
100	1.12	1.135	1.15	0.0084984	1.08	1.096	1.12	0.014298	-0.06	-0.039	-0.02	0.014491

Device Test: 24.88 _FREQ|500kHz/SYNC1/12//OPEN//@SYNC_FREQ_RANGE





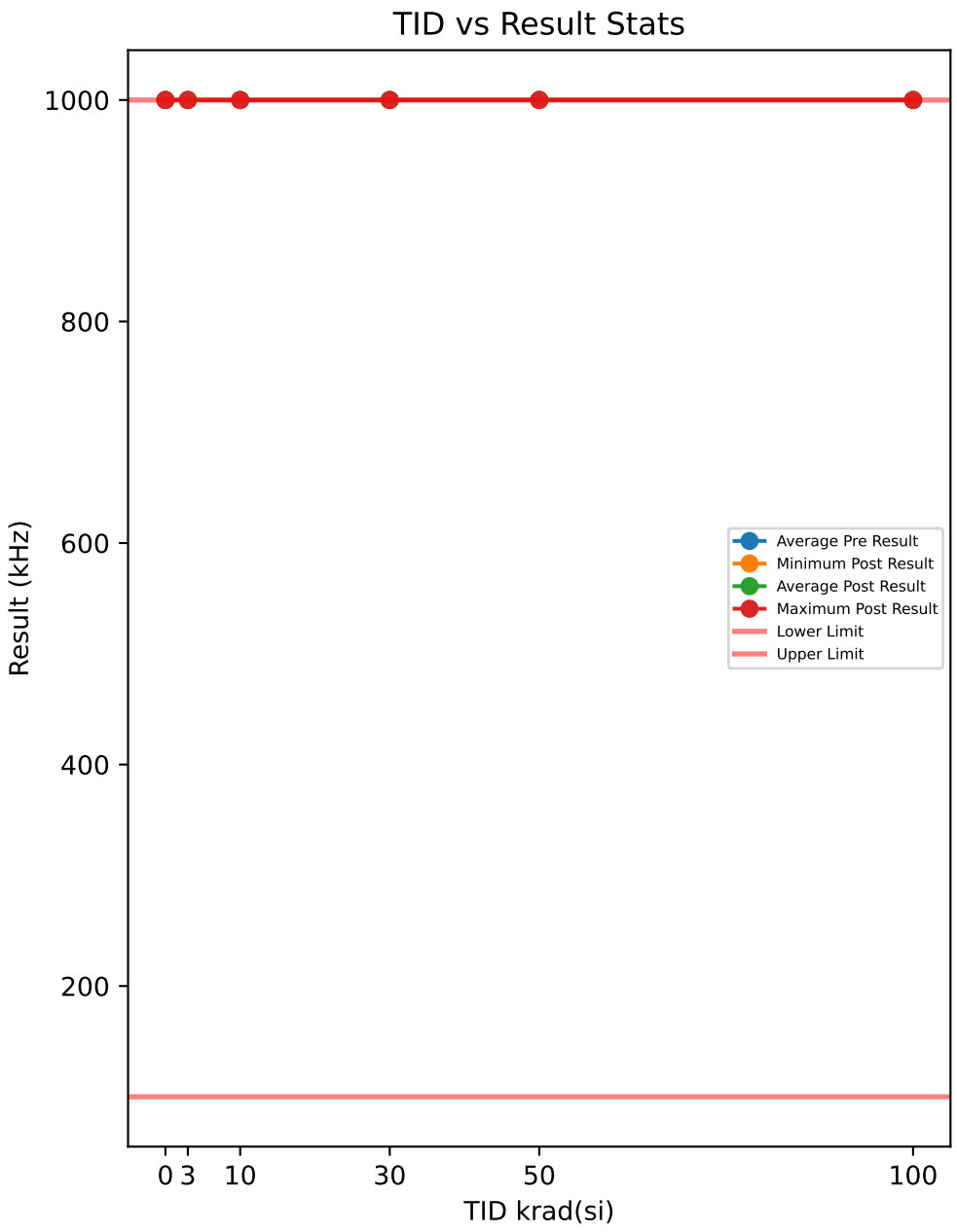
Test Results (Lower Limit = 100.0, Upper Limit = 1000.0 (kHz))

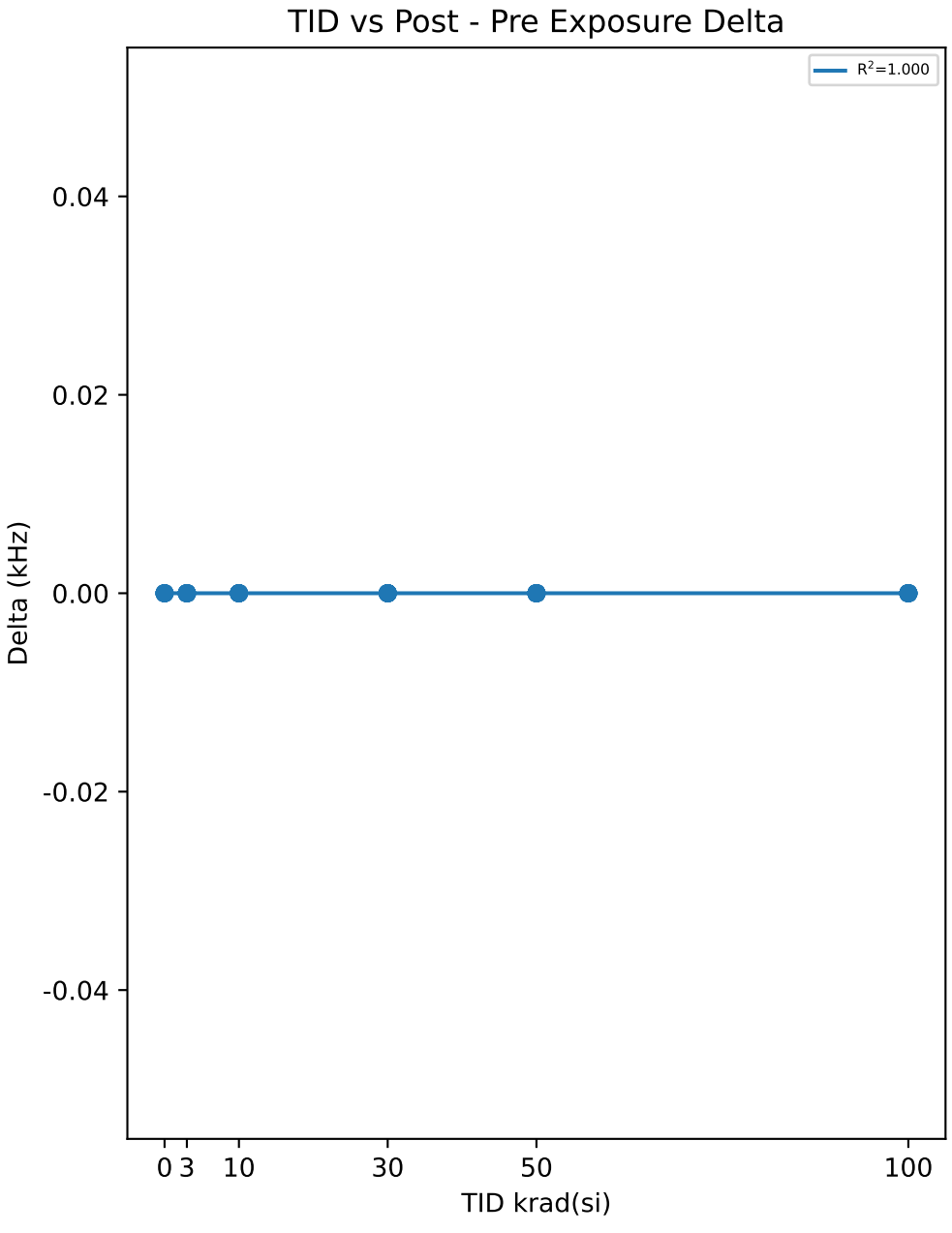
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	LDR Biased	499.98	499.86	-0.1267
2	3	LDR Biased	499.95	499.91	-0.0466
3	3	LDR Biased	499.94	499.81	-0.1315
4	3	LDR Biased	499.95	499.81	-0.133
5	3	LDR Biased	499.96	499.91	-0.0477
6	10	LDR Biased	499.97	499.85	-0.1186
7	10	LDR Biased	499.96	499.89	-0.0647
8	10	LDR Biased	499.96	499.87	-0.0915
9	10	LDR Biased	499.92	499.85	-0.0748
10	10	LDR Biased	499.94	499.94	-0.0005
11	30	LDR Biased	499.94	499.79	-0.1522
12	30	LDR Biased	499.93	499.81	-0.1177
13	30	LDR Biased	499.98	499.81	-0.1766
14	30	LDR Biased	499.95	499.82	-0.1292
15	30	LDR Biased	499.94	499.83	-0.1102
16	50	LDR Biased	499.95	499.85	-0.101
17	50	LDR Biased	499.95	499.85	-0.0983
18	50	LDR Biased	499.95	499.85	-0.1045
19	50	LDR Biased	499.93	499.84	-0.0884
20	50	LDR Biased	499.94	499.85	-0.0934
21	100	LDR Biased	499.95	499.9	-0.0494
22	100	LDR Biased	499.95	499.86	-0.0879
23	100	LDR Biased	499.98	499.92	-0.0597
24	100	LDR Biased	499.96	499.84	-0.1232
25	100	LDR Biased	499.97	499.91	-0.0578
26	3	LDR Unbiased	499.95	499.84	-0.1137
27	3	LDR Unbiased	499.95	499.84	-0.1058
28	3	LDR Unbiased	499.96	499.93	-0.0319
29	3	LDR Unbiased	499.95	499.83	-0.1166
30	3	LDR Unbiased	499.97	499.83	-0.1373
31	10	LDR Unbiased	499.94	499.93	-0.0149
32	10	LDR Unbiased	499.95	499.94	-0.0116
33	10	LDR Unbiased	499.97	499.82	-0.148
34	10	LDR Unbiased	499.93	499.89	-0.0455
35	10	LDR Unbiased	499.97	499.84	-0.1344
36	30	LDR Unbiased	499.94	499.81	-0.1357
37	30	LDR Unbiased	499.95	499.81	-0.1429
38	30	LDR Unbiased	499.94	499.8	-0.1362
39	30	LDR Unbiased	499.93	499.8	-0.1326
40	30	LDR Unbiased	499.94	499.82	-0.1209
41	50	LDR Unbiased	499.94	499.85	-0.0838
42	50	LDR Unbiased	499.92	499.85	-0.0723
43	50	LDR Unbiased	499.96	499.85	-0.108
44	50	LDR Unbiased	499.95	499.84	-0.1049
45	50	LDR Unbiased	499.96	499.84	-0.1219
46	100	LDR Unbiased	499.95	499.89	-0.055
47	100	LDR Unbiased	499.94	499.94	-0.0033
48	100	LDR Unbiased	499.95	499.85	-0.1029
49	100	LDR Unbiased	499.96	499.95	-0.0088
50	100	LDR Unbiased	499.95	499.82	-0.134
60	0	Correlation	499.95	499.92	-0.0309
61	0	Correlation	499.94	499.82	-0.1236
62	0	Correlation	499.93	499.82	-0.1064
63	0	Correlation	499.95	499.94	-0.0133
64	0	Correlation	499.93	499.96	0.0238
65	0	Correlation	499.96	499.94	-0.0226

Test Statistics (kHz)

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	499.93	499.94	499.96	0.011439	499.82	499.9	499.96	0.061437	-0.1236	-0.0455	0.0238	0.057246
3	499.94	499.96	499.98	0.012898	499.81	499.86	499.93	0.042863	-0.1373	-0.09908	-0.0319	0.040686
10	499.92	499.95	499.97	0.016548	499.82	499.88	499.94	0.043591	-0.148	-0.07045	-0.0005	0.052685
30	499.93	499.95	499.98	0.014984	499.79	499.81	499.83	0.012837	-0.1766	-0.13542	-0.1102	0.018978
50	499.92	499.94	499.96	0.012536	499.84	499.85	499.85	0.0057518	-0.1219	-0.09765	-0.0723	0.013922
100	499.94	499.96	499.98	0.012401	499.82	499.89	499.95	0.045341	-0.134	-0.0682	-0.0033	0.043964

Device Test: 24.89 _FREQ|1000kHz/SYNC1/12//OPEN//@SYNC_FREQ_RANGE





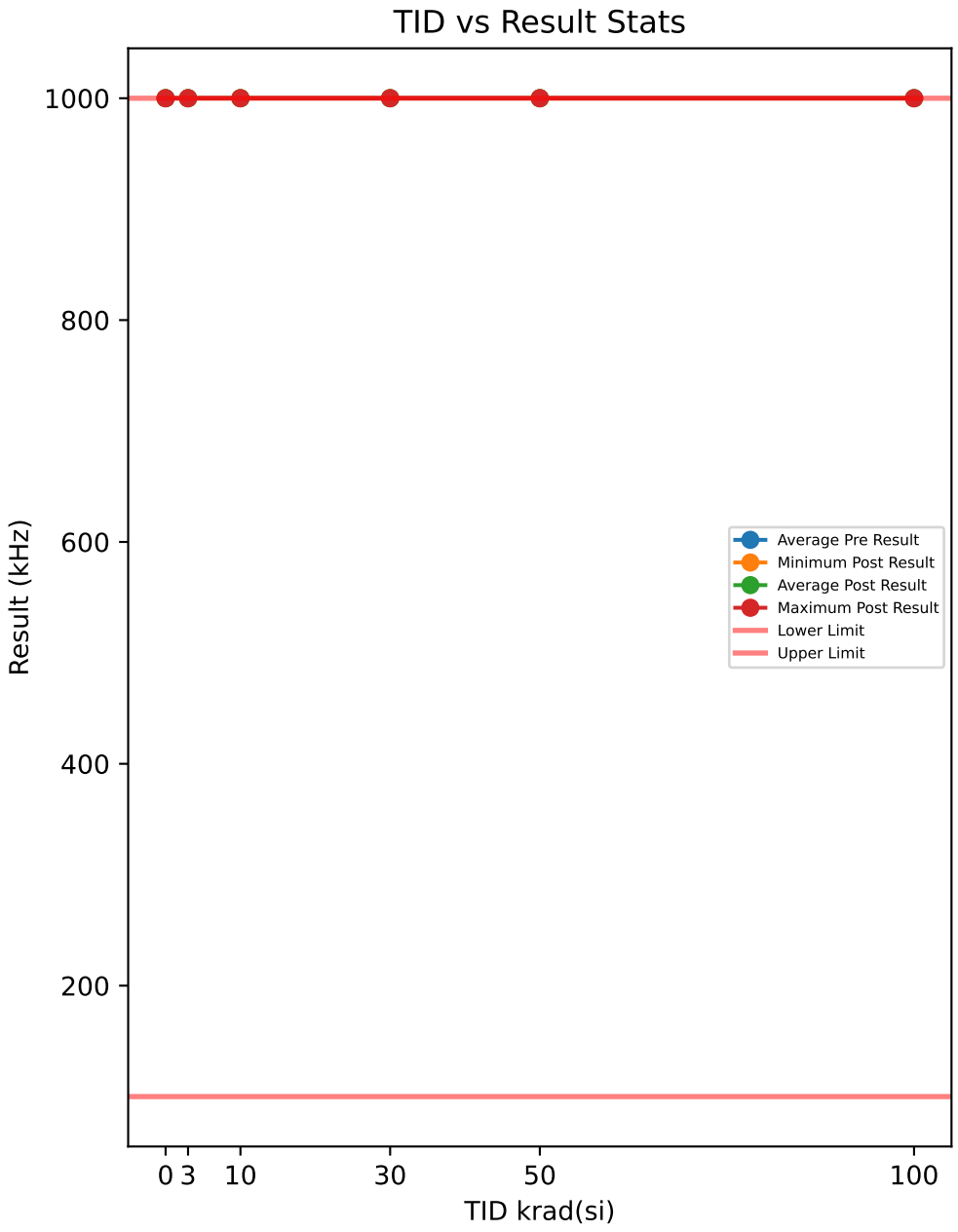
Test Results (Lower Limit = 100.0, Upper Limit = 1000.0 (kHz))

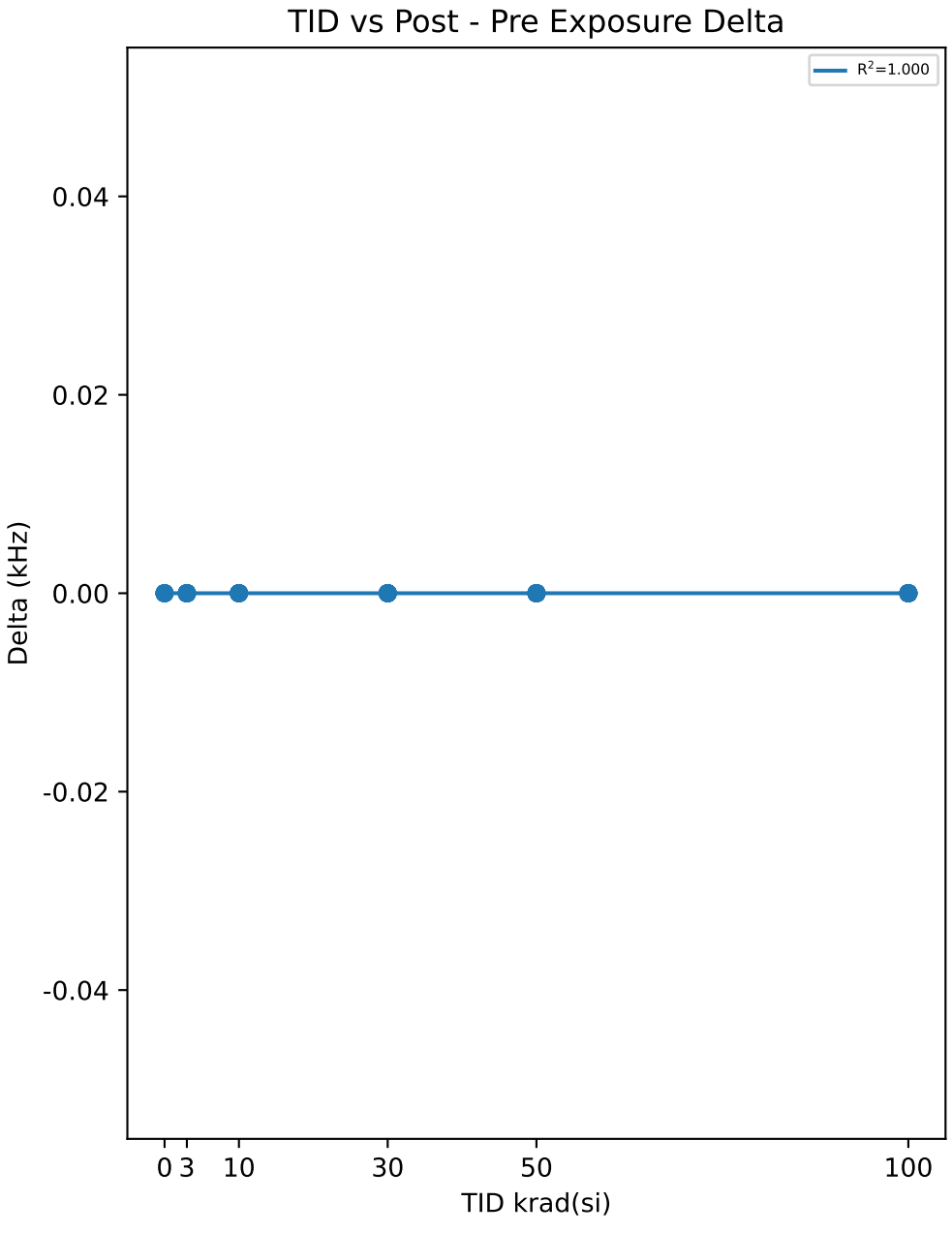
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	LDR Biased	1000	1000	0
2	3	LDR Biased	1000	1000	0
3	3	LDR Biased	1000	1000	0
4	3	LDR Biased	1000	1000	0
5	3	LDR Biased	1000	1000	0
6	10	LDR Biased	1000	1000	0
7	10	LDR Biased	1000	1000	0
8	10	LDR Biased	1000	1000	0
9	10	LDR Biased	1000	1000	0
10	10	LDR Biased	1000	1000	0
11	30	LDR Biased	1000	1000	0
12	30	LDR Biased	1000	1000	0
13	30	LDR Biased	1000	1000	0
14	30	LDR Biased	1000	1000	0
15	30	LDR Biased	1000	1000	0
16	50	LDR Biased	1000	1000	0
17	50	LDR Biased	1000	1000	0
18	50	LDR Biased	1000	1000	0
19	50	LDR Biased	1000	1000	0
20	50	LDR Biased	1000	1000	0
21	100	LDR Biased	1000	1000	0
22	100	LDR Biased	1000	1000	0
23	100	LDR Biased	1000	1000	0
24	100	LDR Biased	1000	1000	0
25	100	LDR Biased	1000	1000	0
26	3	LDR Unbiased	1000	1000	0
27	3	LDR Unbiased	1000	1000	0
28	3	LDR Unbiased	1000	1000	0
29	3	LDR Unbiased	1000	1000	0
30	3	LDR Unbiased	1000	1000	0
31	10	LDR Unbiased	1000	1000	0
32	10	LDR Unbiased	1000	1000	0
33	10	LDR Unbiased	1000	1000	0
34	10	LDR Unbiased	1000	1000	0
35	10	LDR Unbiased	1000	1000	0
36	30	LDR Unbiased	1000	1000	0
37	30	LDR Unbiased	1000	1000	0
38	30	LDR Unbiased	1000	1000	0
39	30	LDR Unbiased	1000	1000	0
40	30	LDR Unbiased	1000	1000	0
41	50	LDR Unbiased	1000	1000	0
42	50	LDR Unbiased	1000	1000	0
43	50	LDR Unbiased	1000	1000	0
44	50	LDR Unbiased	1000	1000	0
45	50	LDR Unbiased	1000	1000	0
46	100	LDR Unbiased	1000	1000	0
47	100	LDR Unbiased	1000	1000	0
48	100	LDR Unbiased	1000	1000	0
49	100	LDR Unbiased	1000	1000	0
50	100	LDR Unbiased	1000	1000	0
60	0	Correlation	1000	1000	0
61	0	Correlation	1000	1000	0
62	0	Correlation	1000	1000	0
63	0	Correlation	1000	1000	0
64	0	Correlation	1000	1000	0
65	0	Correlation	1000	1000	0

Test Statistics (kHz)

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	1000	1000	1000	0	1000	1000	1000	0	0	0	0	0
3	1000	1000	1000	0	1000	1000	1000	0	0	0	0	0
10	1000	1000	1000	0	1000	1000	1000	0	0	0	0	0
30	1000	1000	1000	0	1000	1000	1000	0	0	0	0	0
50	1000	1000	1000	0	1000	1000	1000	0	0	0	0	0
100	1000	1000	1000	0	1000	1000	1000	0	0	0	0	0

Device Test: 24.9 _FREQ|1000kHz/SYNC1/4.5//OPEN//@SYNC_FREQ_RANGE





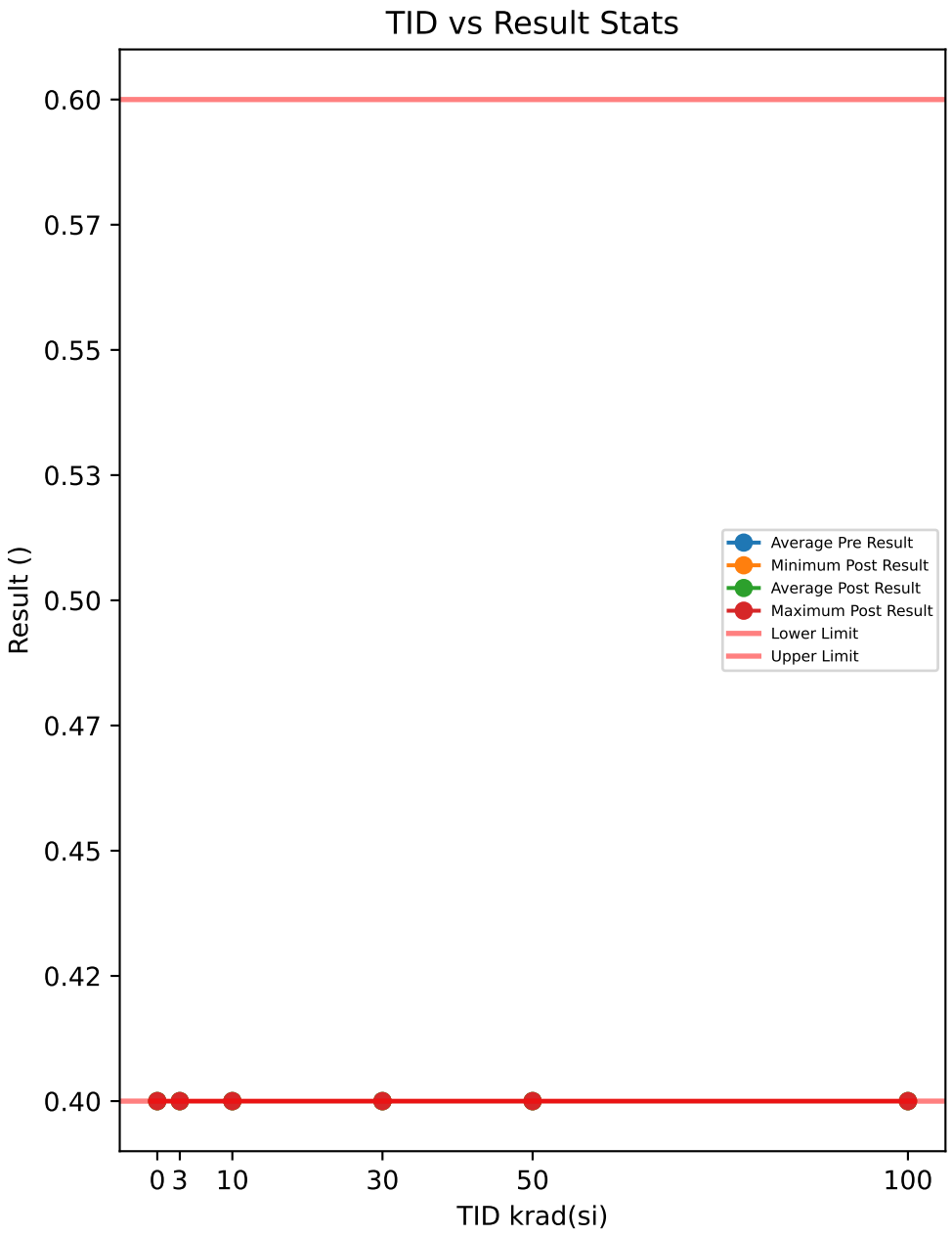
Test Results (Lower Limit = 100.0, Upper Limit = 1000.0 (kHz))

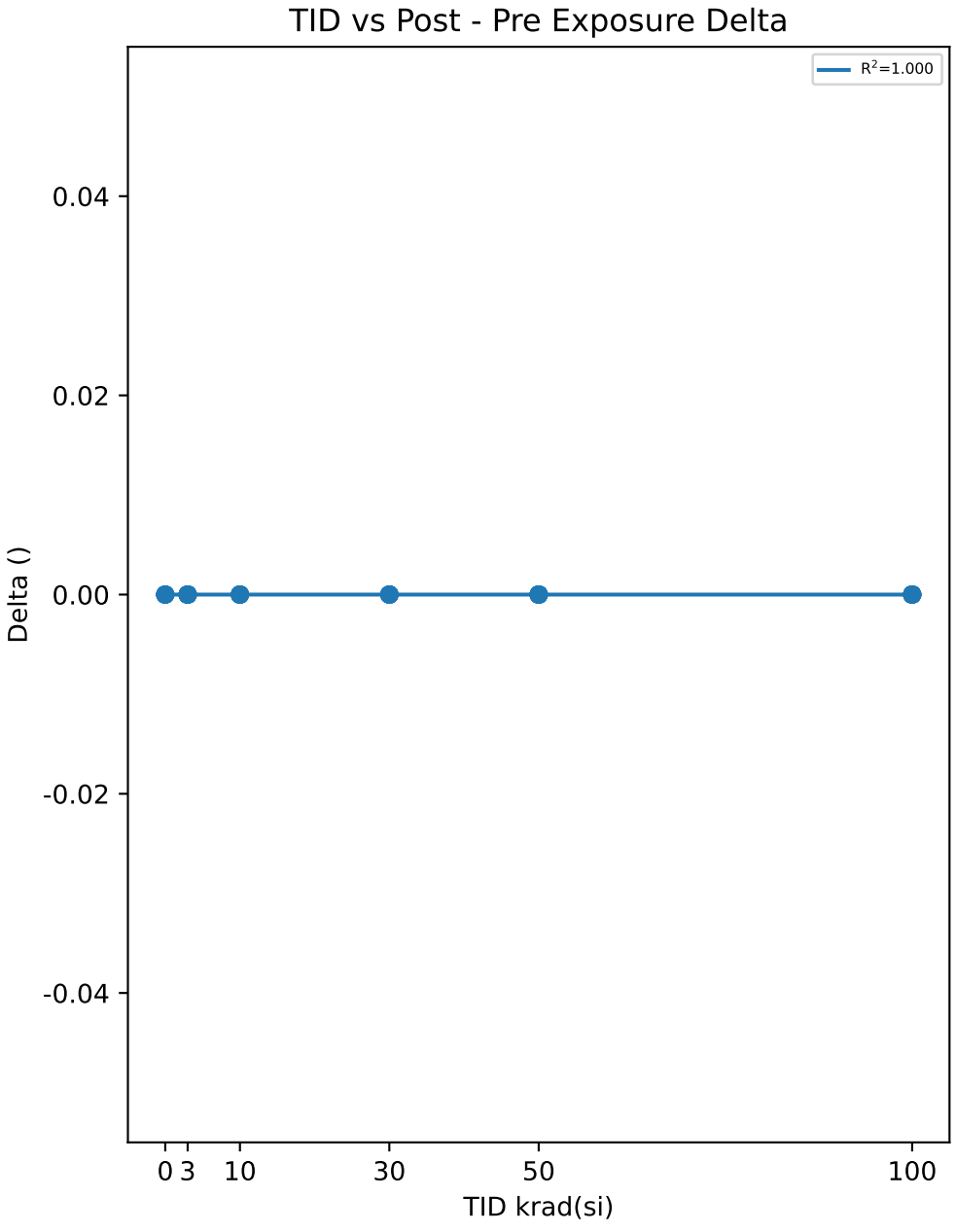
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	LDR Biased	1000	1000	0
2	3	LDR Biased	1000	1000	0
3	3	LDR Biased	1000	1000	0
4	3	LDR Biased	1000	1000	0
5	3	LDR Biased	1000	1000	0
6	10	LDR Biased	1000	1000	0
7	10	LDR Biased	1000	1000	0
8	10	LDR Biased	1000	1000	0
9	10	LDR Biased	1000	1000	0
10	10	LDR Biased	1000	1000	0
11	30	LDR Biased	1000	1000	0
12	30	LDR Biased	1000	1000	0
13	30	LDR Biased	1000	1000	0
14	30	LDR Biased	1000	1000	0
15	30	LDR Biased	1000	1000	0
16	50	LDR Biased	1000	1000	0
17	50	LDR Biased	1000	1000	0
18	50	LDR Biased	1000	1000	0
19	50	LDR Biased	1000	1000	0
20	50	LDR Biased	1000	1000	0
21	100	LDR Biased	1000	1000	0
22	100	LDR Biased	1000	1000	0
23	100	LDR Biased	1000	1000	0
24	100	LDR Biased	1000	1000	0
25	100	LDR Biased	1000	1000	0
26	3	LDR Unbiased	1000	1000	0
27	3	LDR Unbiased	1000	1000	0
28	3	LDR Unbiased	1000	1000	0
29	3	LDR Unbiased	1000	1000	0
30	3	LDR Unbiased	1000	1000	0
31	10	LDR Unbiased	1000	1000	0
32	10	LDR Unbiased	1000	1000	0
33	10	LDR Unbiased	1000	1000	0
34	10	LDR Unbiased	1000	1000	0
35	10	LDR Unbiased	1000	1000	0
36	30	LDR Unbiased	1000	1000	0
37	30	LDR Unbiased	1000	1000	0
38	30	LDR Unbiased	1000	1000	0
39	30	LDR Unbiased	1000	1000	0
40	30	LDR Unbiased	1000	1000	0
41	50	LDR Unbiased	1000	1000	0
42	50	LDR Unbiased	1000	1000	0
43	50	LDR Unbiased	1000	1000	0
44	50	LDR Unbiased	1000	1000	0
45	50	LDR Unbiased	1000	1000	0
46	100	LDR Unbiased	1000	1000	0
47	100	LDR Unbiased	1000	1000	0
48	100	LDR Unbiased	1000	1000	0
49	100	LDR Unbiased	1000	1000	0
50	100	LDR Unbiased	1000	1000	0
60	0	Correlation	1000	1000	0
61	0	Correlation	1000	1000	0
62	0	Correlation	1000	1000	0
63	0	Correlation	1000	1000	0
64	0	Correlation	1000	1000	0
65	0	Correlation	1000	1000	0

Test Statistics (kHz)

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	1000	1000	1000	0	1000	1000	1000	0	0	0	0	0
3	1000	1000	1000	0	1000	1000	1000	0	0	0	0	0
10	1000	1000	1000	0	1000	1000	1000	0	0	0	0	0
30	1000	1000	1000	0	1000	1000	1000	0	0	0	0	0
50	1000	1000	1000	0	1000	1000	1000	0	0	0	0	0
100	1000	1000	1000	0	1000	1000	1000	0	0	0	0	0

Device Test: 24.90 _UTYCYCLE|GNG_40%/SYNC1/12//OPEN//@SYNC_IN_DUTY_CYCLE_RANGE





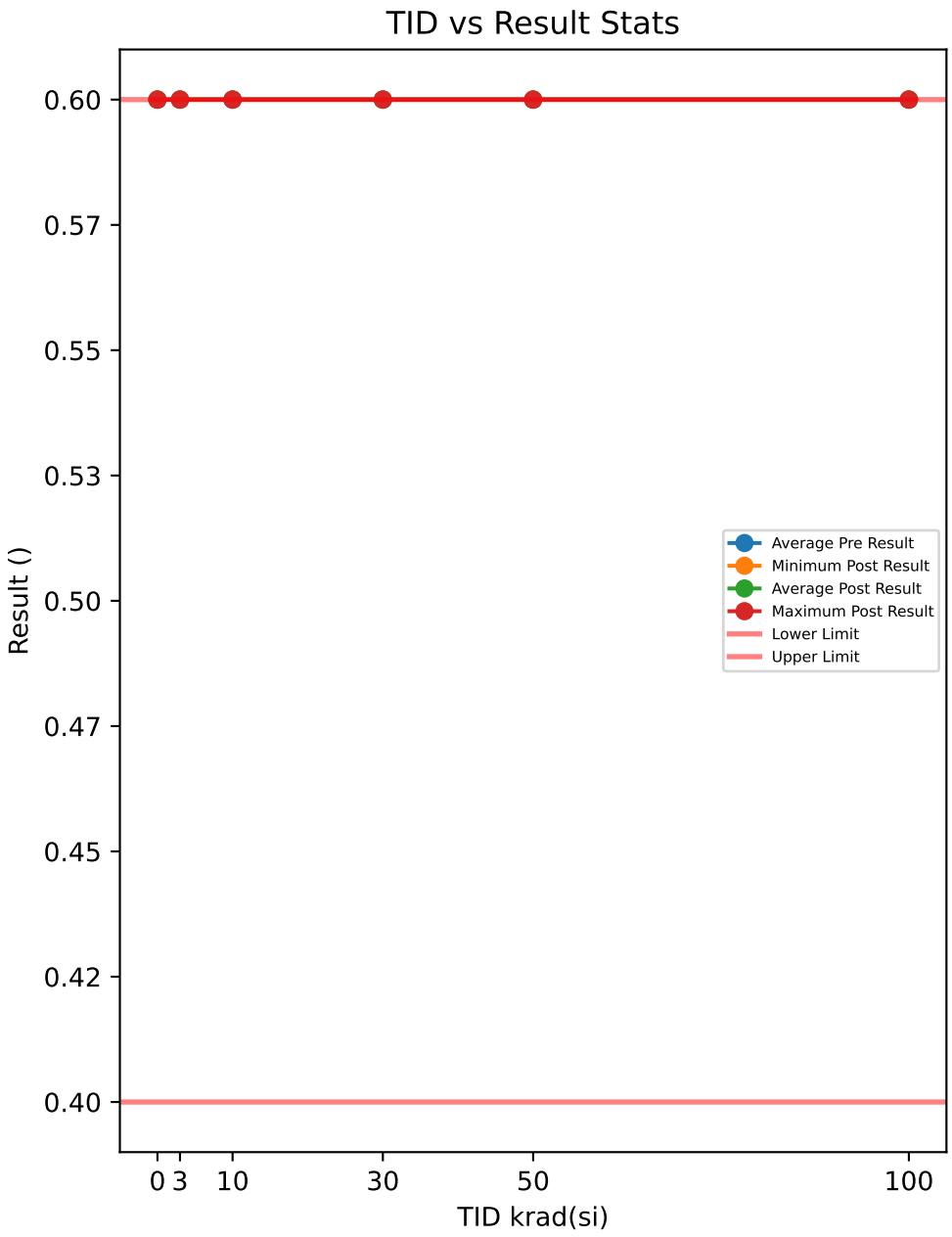
Test Results (Lower Limit = 0.4, Upper Limit = 0.6 ())

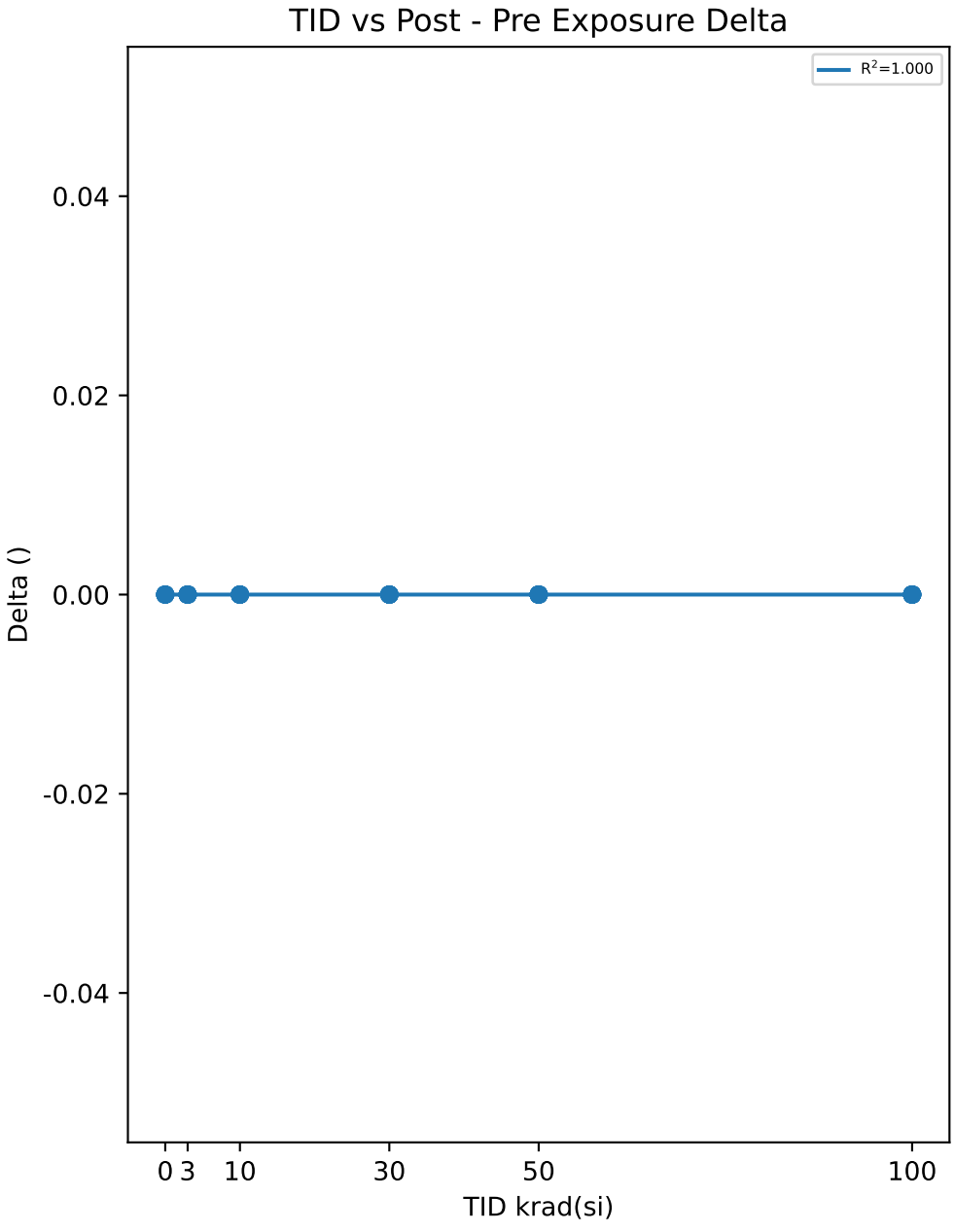
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	LDR Biased	0.4	0.4	0
2	3	LDR Biased	0.4	0.4	0
3	3	LDR Biased	0.4	0.4	0
4	3	LDR Biased	0.4	0.4	0
5	3	LDR Biased	0.4	0.4	0
6	10	LDR Biased	0.4	0.4	0
7	10	LDR Biased	0.4	0.4	0
8	10	LDR Biased	0.4	0.4	0
9	10	LDR Biased	0.4	0.4	0
10	10	LDR Biased	0.4	0.4	0
11	30	LDR Biased	0.4	0.4	0
12	30	LDR Biased	0.4	0.4	0
13	30	LDR Biased	0.4	0.4	0
14	30	LDR Biased	0.4	0.4	0
15	30	LDR Biased	0.4	0.4	0
16	50	LDR Biased	0.4	0.4	0
17	50	LDR Biased	0.4	0.4	0
18	50	LDR Biased	0.4	0.4	0
19	50	LDR Biased	0.4	0.4	0
20	50	LDR Biased	0.4	0.4	0
21	100	LDR Biased	0.4	0.4	0
22	100	LDR Biased	0.4	0.4	0
23	100	LDR Biased	0.4	0.4	0
24	100	LDR Biased	0.4	0.4	0
25	100	LDR Biased	0.4	0.4	0
26	3	LDR Unbiased	0.4	0.4	0
27	3	LDR Unbiased	0.4	0.4	0
28	3	LDR Unbiased	0.4	0.4	0
29	3	LDR Unbiased	0.4	0.4	0
30	3	LDR Unbiased	0.4	0.4	0
31	10	LDR Unbiased	0.4	0.4	0
32	10	LDR Unbiased	0.4	0.4	0
33	10	LDR Unbiased	0.4	0.4	0
34	10	LDR Unbiased	0.4	0.4	0
35	10	LDR Unbiased	0.4	0.4	0
36	30	LDR Unbiased	0.4	0.4	0
37	30	LDR Unbiased	0.4	0.4	0
38	30	LDR Unbiased	0.4	0.4	0
39	30	LDR Unbiased	0.4	0.4	0
40	30	LDR Unbiased	0.4	0.4	0
41	50	LDR Unbiased	0.4	0.4	0
42	50	LDR Unbiased	0.4	0.4	0
43	50	LDR Unbiased	0.4	0.4	0
44	50	LDR Unbiased	0.4	0.4	0
45	50	LDR Unbiased	0.4	0.4	0
46	100	LDR Unbiased	0.4	0.4	0
47	100	LDR Unbiased	0.4	0.4	0
48	100	LDR Unbiased	0.4	0.4	0
49	100	LDR Unbiased	0.4	0.4	0
50	100	LDR Unbiased	0.4	0.4	0
60	0	Correlation	0.4	0.4	0
61	0	Correlation	0.4	0.4	0
62	0	Correlation	0.4	0.4	0
63	0	Correlation	0.4	0.4	0
64	0	Correlation	0.4	0.4	0
65	0	Correlation	0.4	0.4	0

Test Statistics ()

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	0.4	0.4	0.4	0	0.4	0.4	0.4	0	0	0	0	0
3	0.4	0.4	0.4	0	0.4	0.4	0.4	0	0	0	0	0
10	0.4	0.4	0.4	0	0.4	0.4	0.4	0	0	0	0	0
30	0.4	0.4	0.4	0	0.4	0.4	0.4	0	0	0	0	0
50	0.4	0.4	0.4	0	0.4	0.4	0.4	0	0	0	0	0
100	0.4	0.4	0.4	0	0.4	0.4	0.4	0	0	0	0	0

Device Test: 24.91 _UTYCYCLE|GNG_60%/SYNC1/12//OPEN//@SYNC_IN_DUTY_CYCLE_RANGE





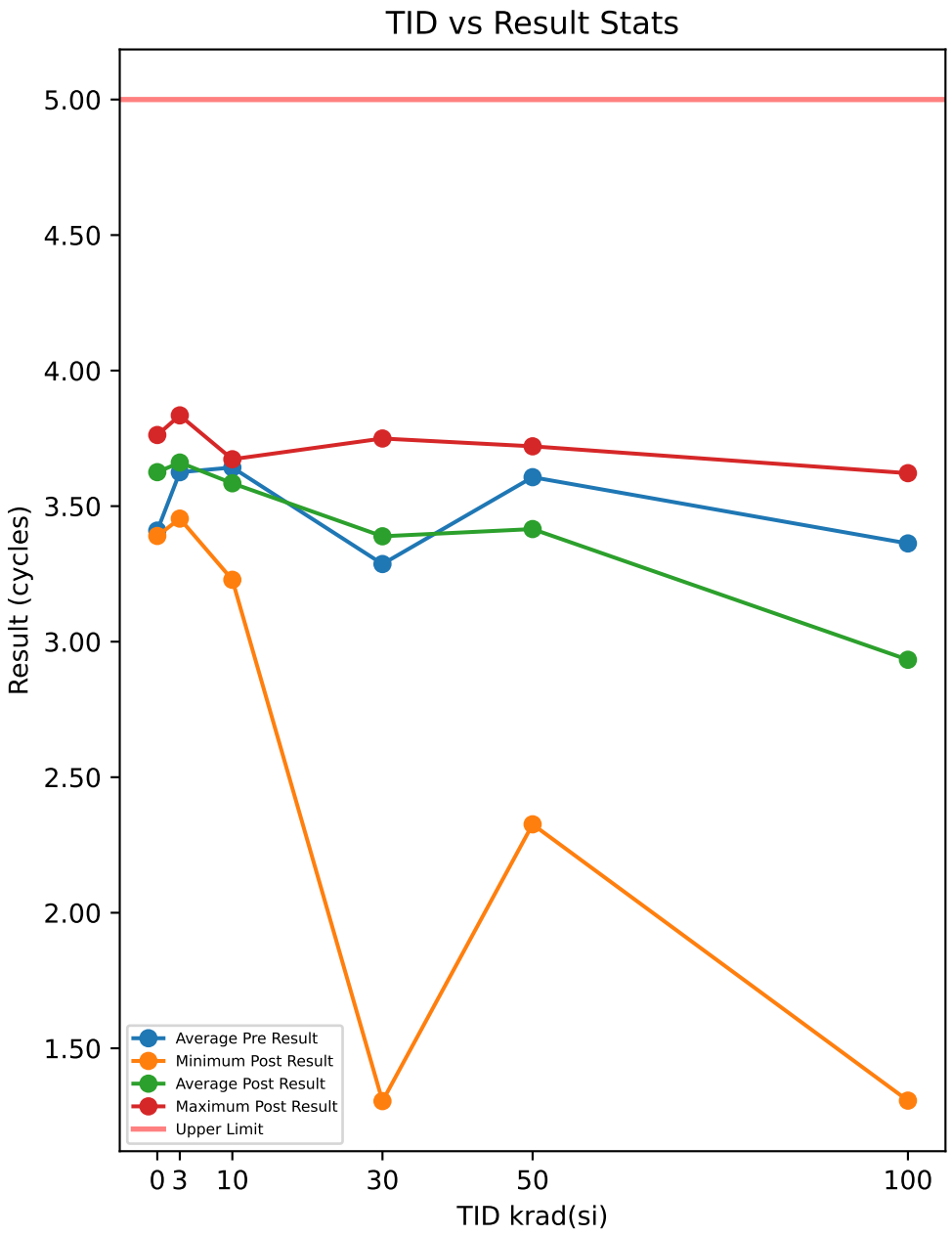
Test Results (Lower Limit = 0.4, Upper Limit = 0.6 ())

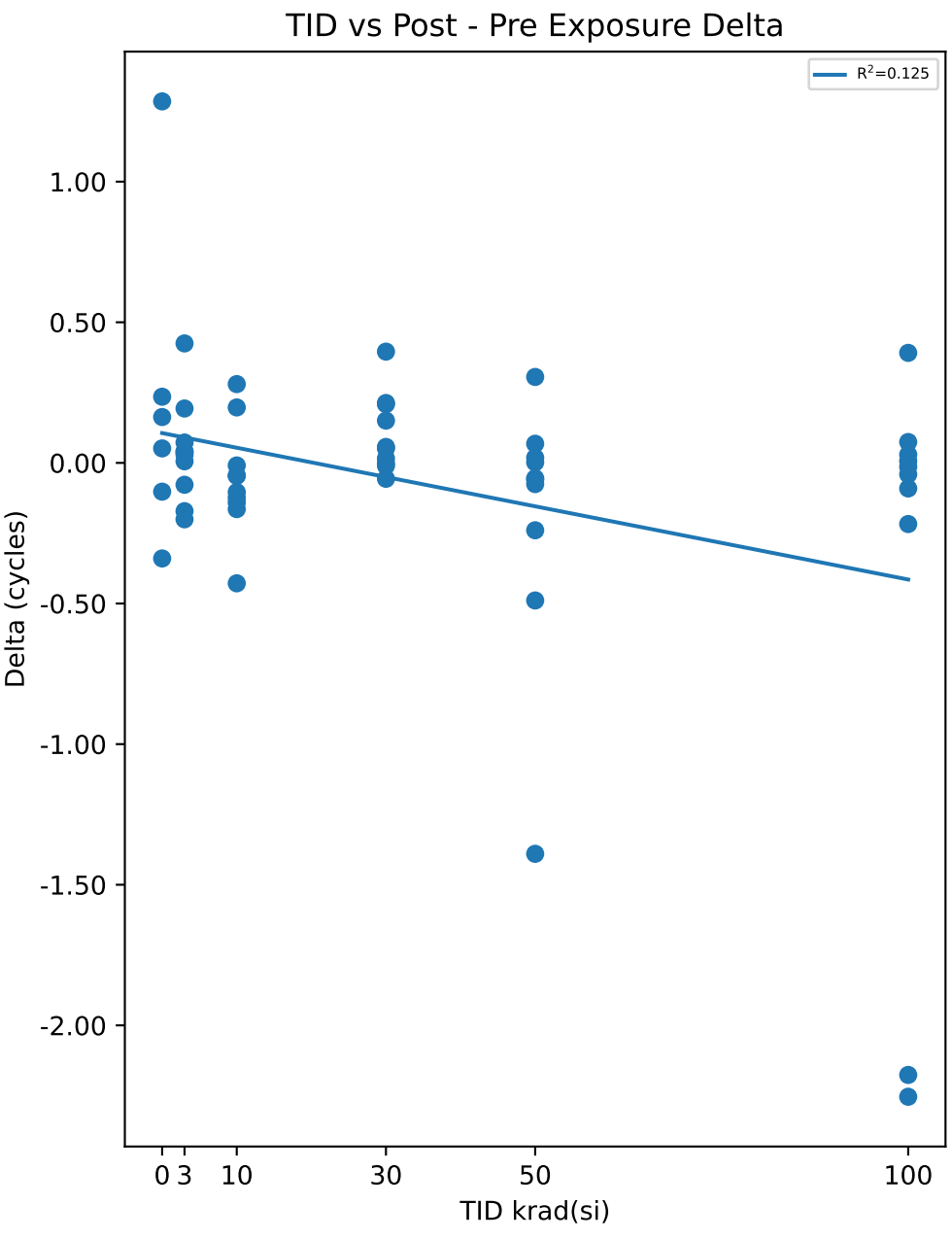
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	LDR Biased	0.6	0.6	0
2	3	LDR Biased	0.6	0.6	0
3	3	LDR Biased	0.6	0.6	0
4	3	LDR Biased	0.6	0.6	0
5	3	LDR Biased	0.6	0.6	0
6	10	LDR Biased	0.6	0.6	0
7	10	LDR Biased	0.6	0.6	0
8	10	LDR Biased	0.6	0.6	0
9	10	LDR Biased	0.6	0.6	0
10	10	LDR Biased	0.6	0.6	0
11	30	LDR Biased	0.6	0.6	0
12	30	LDR Biased	0.6	0.6	0
13	30	LDR Biased	0.6	0.6	0
14	30	LDR Biased	0.6	0.6	0
15	30	LDR Biased	0.6	0.6	0
16	50	LDR Biased	0.6	0.6	0
17	50	LDR Biased	0.6	0.6	0
18	50	LDR Biased	0.6	0.6	0
19	50	LDR Biased	0.6	0.6	0
20	50	LDR Biased	0.6	0.6	0
21	100	LDR Biased	0.6	0.6	0
22	100	LDR Biased	0.6	0.6	0
23	100	LDR Biased	0.6	0.6	0
24	100	LDR Biased	0.6	0.6	0
25	100	LDR Biased	0.6	0.6	0
26	3	LDR Unbiased	0.6	0.6	0
27	3	LDR Unbiased	0.6	0.6	0
28	3	LDR Unbiased	0.6	0.6	0
29	3	LDR Unbiased	0.6	0.6	0
30	3	LDR Unbiased	0.6	0.6	0
31	10	LDR Unbiased	0.6	0.6	0
32	10	LDR Unbiased	0.6	0.6	0
33	10	LDR Unbiased	0.6	0.6	0
34	10	LDR Unbiased	0.6	0.6	0
35	10	LDR Unbiased	0.6	0.6	0
36	30	LDR Unbiased	0.6	0.6	0
37	30	LDR Unbiased	0.6	0.6	0
38	30	LDR Unbiased	0.6	0.6	0
39	30	LDR Unbiased	0.6	0.6	0
40	30	LDR Unbiased	0.6	0.6	0
41	50	LDR Unbiased	0.6	0.6	0
42	50	LDR Unbiased	0.6	0.6	0
43	50	LDR Unbiased	0.6	0.6	0
44	50	LDR Unbiased	0.6	0.6	0
45	50	LDR Unbiased	0.6	0.6	0
46	100	LDR Unbiased	0.6	0.6	0
47	100	LDR Unbiased	0.6	0.6	0
48	100	LDR Unbiased	0.6	0.6	0
49	100	LDR Unbiased	0.6	0.6	0
50	100	LDR Unbiased	0.6	0.6	0
60	0	Correlation	0.6	0.6	0
61	0	Correlation	0.6	0.6	0
62	0	Correlation	0.6	0.6	0
63	0	Correlation	0.6	0.6	0
64	0	Correlation	0.6	0.6	0
65	0	Correlation	0.6	0.6	0

Test Statistics ()

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	0.6	0.6	0.6	0	0.6	0.6	0.6	0	0	0	0	0
3	0.6	0.6	0.6	0	0.6	0.6	0.6	0	0	0	0	0
10	0.6	0.6	0.6	0	0.6	0.6	0.6	0	0	0	0	0
30	0.6	0.6	0.6	0	0.6	0.6	0.6	0	0	0	0	0
50	0.6	0.6	0.6	0	0.6	0.6	0.6	0	0	0	0	0
100	0.6	0.6	0.6	0	0.6	0.6	0.6	0	0	0	0	0

Device Test: 24.92 _TIMING|CLKDETECT/SYNC1/12//511k//@T_CLOCK_DET





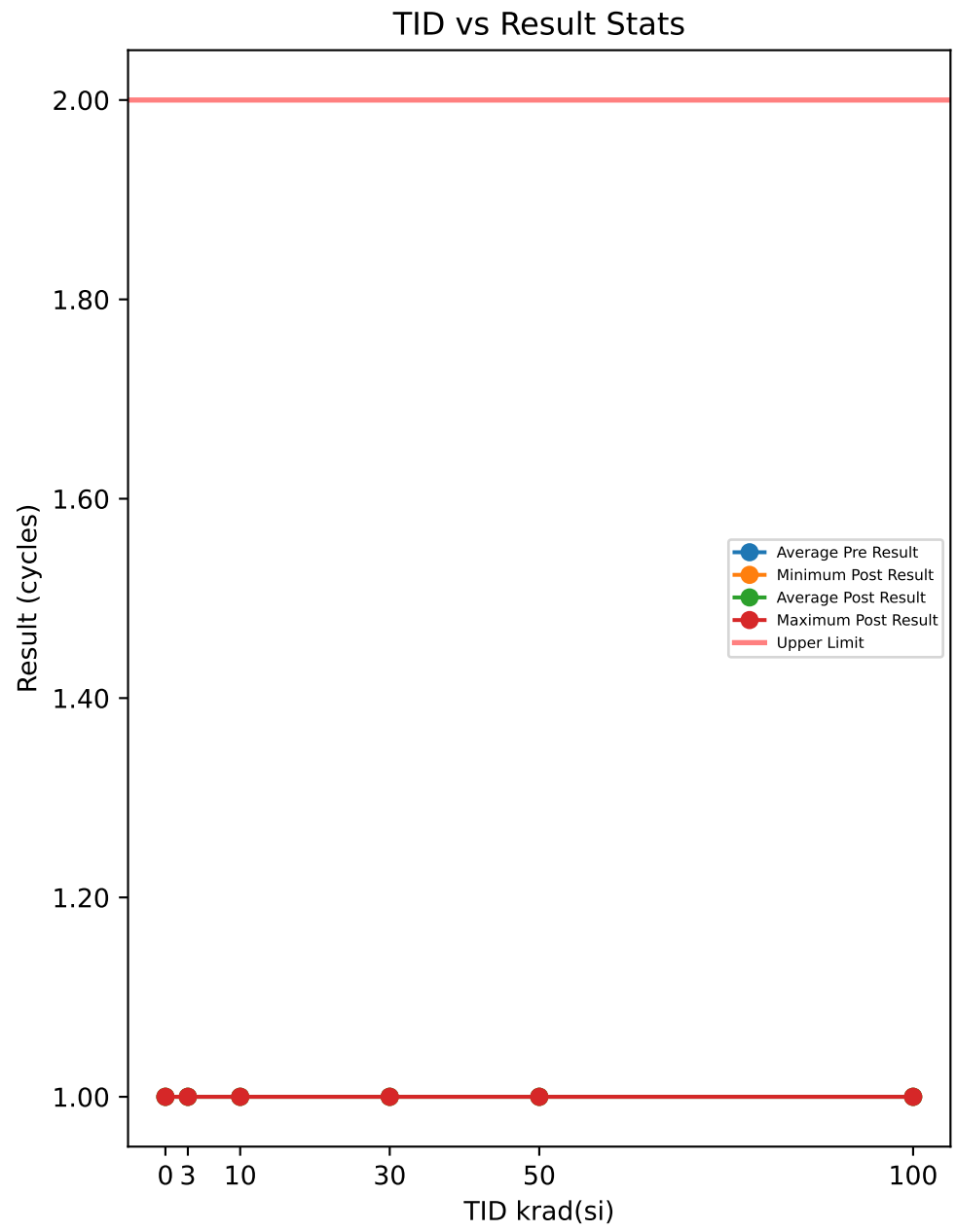
Test Results (Upper Limit = 5.0 (cycles))

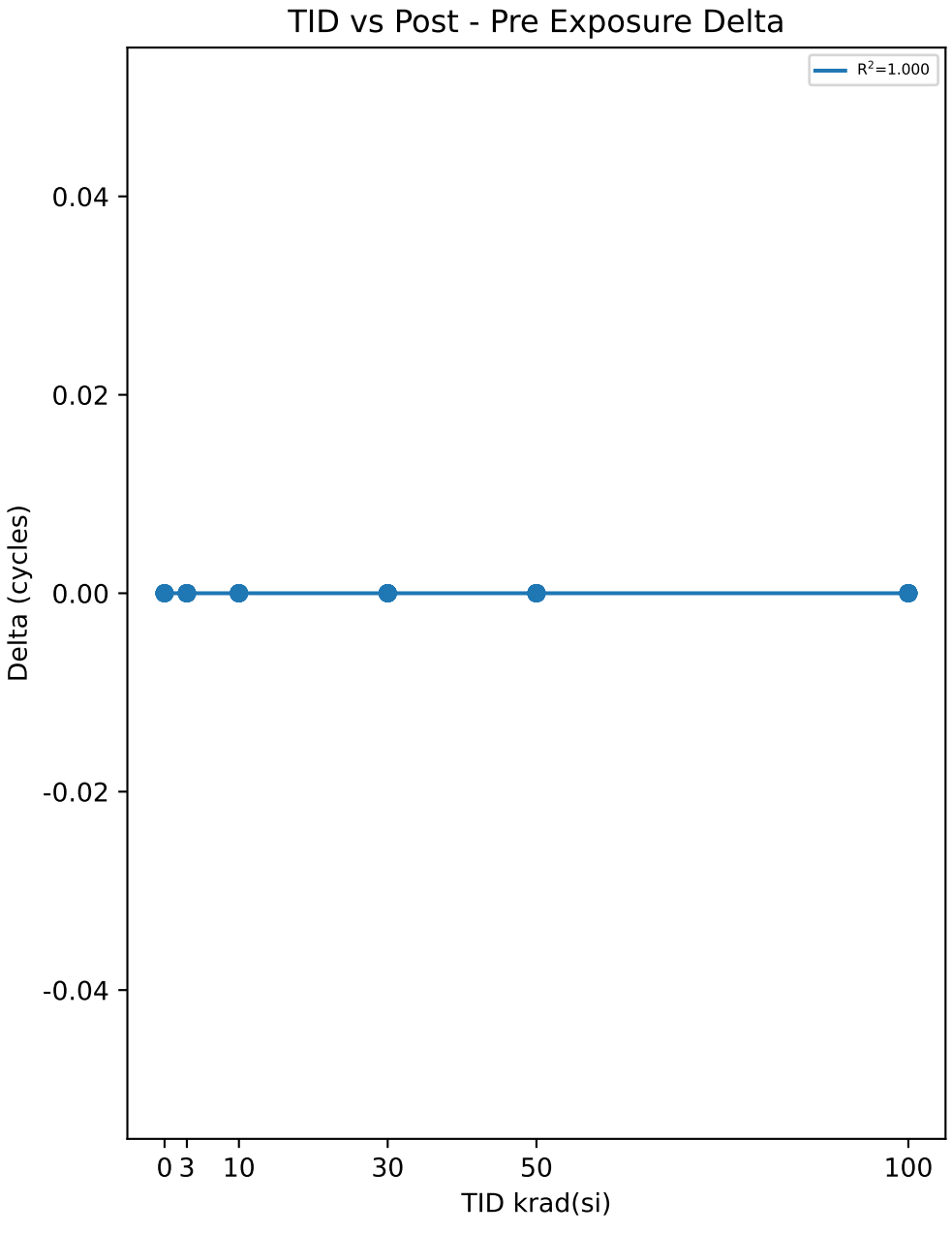
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	LDR Biased	3.41	3.8348	0.4248
2	3	LDR Biased	3.5907	3.7841	0.1934
3	3	LDR Biased	3.6009	3.6733	0.0724
4	3	LDR Biased	3.6148	3.6445	0.0297
5	3	LDR Biased	3.8446	3.644	-0.2006
6	10	LDR Biased	3.7128	3.5484	-0.1644
7	10	LDR Biased	3.723	3.6191	-0.1039
8	10	LDR Biased	3.4758	3.673	0.1972
9	10	LDR Biased	3.3461	3.6262	0.2801
10	10	LDR Biased	3.8125	3.6715	-0.141
11	30	LDR Biased	3.3829	3.4396	0.0567
12	30	LDR Biased	3.5506	3.4941	-0.0565
13	30	LDR Biased	3.6414	3.6574	0.016
14	30	LDR Biased	3.5574	3.5558	-0.0016
15	30	LDR Biased	3.3123	3.7079	0.3956
16	50	LDR Biased	3.7311	3.6721	-0.059
17	50	LDR Biased	3.7095	3.7113	0.0018
18	50	LDR Biased	3.617	3.5416	-0.0754
19	50	LDR Biased	3.2226	3.5282	0.3056
20	50	LDR Biased	3.7023	3.7207	0.0184
21	100	LDR Biased	3.6035	3.6101	0.0066
22	100	LDR Biased	3.6044	1.3506	-2.2538
23	100	LDR Biased	3.5102	3.5844	0.0742
24	100	LDR Biased	3.5438	3.5734	0.0296
25	100	LDR Biased	3.6419	3.551	-0.0909
26	3	LDR Unbiased	3.6248	3.547	-0.0778
27	3	LDR Unbiased	3.6256	3.454	-0.1716
28	3	LDR Unbiased	3.6537	3.6949	0.0412
29	3	LDR Unbiased	3.67	3.6757	0.0057
30	3	LDR Unbiased	3.6163	3.6557	0.0394
31	10	LDR Unbiased	3.7088	3.6638	-0.045
32	10	LDR Unbiased	3.7892	3.6657	-0.1235
33	10	LDR Unbiased	3.6565	3.2283	-0.4282
34	10	LDR Unbiased	3.5668	3.5577	-0.0091
35	10	LDR Unbiased	3.6351	3.5894	-0.0457
36	30	LDR Unbiased	1.2537	1.3051	0.0514
37	30	LDR Unbiased	3.3587	3.5676	0.2089
38	30	LDR Unbiased	3.5431	3.6934	0.1503
39	30	LDR Unbiased	3.7276	3.7174	-0.0102
40	30	LDR Unbiased	3.5366	3.7495	0.2129
41	50	LDR Unbiased	3.7322	3.4926	-0.2396
42	50	LDR Unbiased	3.5788	3.6469	0.0681
43	50	LDR Unbiased	3.7162	2.3262	-1.39
44	50	LDR Unbiased	3.5654	3.5106	-0.0548
45	50	LDR Unbiased	3.493	3.0038	-0.4892
46	100	LDR Unbiased	3.6623	3.6216	-0.0407
47	100	LDR Unbiased	3.4832	1.3069	-2.1763
48	100	LDR Unbiased	1.2549	1.6461	0.3912
49	100	LDR Unbiased	3.7682	3.5508	-0.2174
50	100	LDR Unbiased	3.5514	3.5377	-0.0137
60	0	Correlation	3.4645	3.6276	0.1631
61	0	Correlation	3.7298	3.39	-0.3398
62	0	Correlation	2.477	3.7624	1.2854
63	0	Correlation	3.6316	3.6831	0.0515
64	0	Correlation	3.4553	3.6906	0.2353
65	0	Correlation	3.7006	3.5983	-0.1023

Test Statistics (cycles)

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	2.477	3.4098	3.7298	0.47145	3.39	3.6253	3.7624	0.12845	-0.3398	0.21553	1.2854	0.56286
3	3.41	3.6251	3.8446	0.10501	3.454	3.6608	3.8348	0.10714	-0.2006	0.03566	0.4248	0.17959
10	3.3461	3.6427	3.8125	0.14448	3.2283	3.5843	3.673	0.13339	-0.4282	-0.05835	0.2801	0.19545
30	1.2537	3.2864	3.7276	0.72568	1.3051	3.3888	3.7495	0.73938	-0.0565	0.10235	0.3956	0.13853
50	3.2226	3.6068	3.7322	0.15846	2.3262	3.4154	3.7207	0.43457	-1.39	-0.19141	0.3056	0.46821
100	1.2549	3.3624	3.7682	0.74506	1.3069	2.9333	3.6216	1.0382	-2.2538	-0.42912	0.3912	0.95401

Device Test: 24.93 _TIMING|CLKDETECT/SYNC1/12//511k//@T_CLOCK_DET_EXT





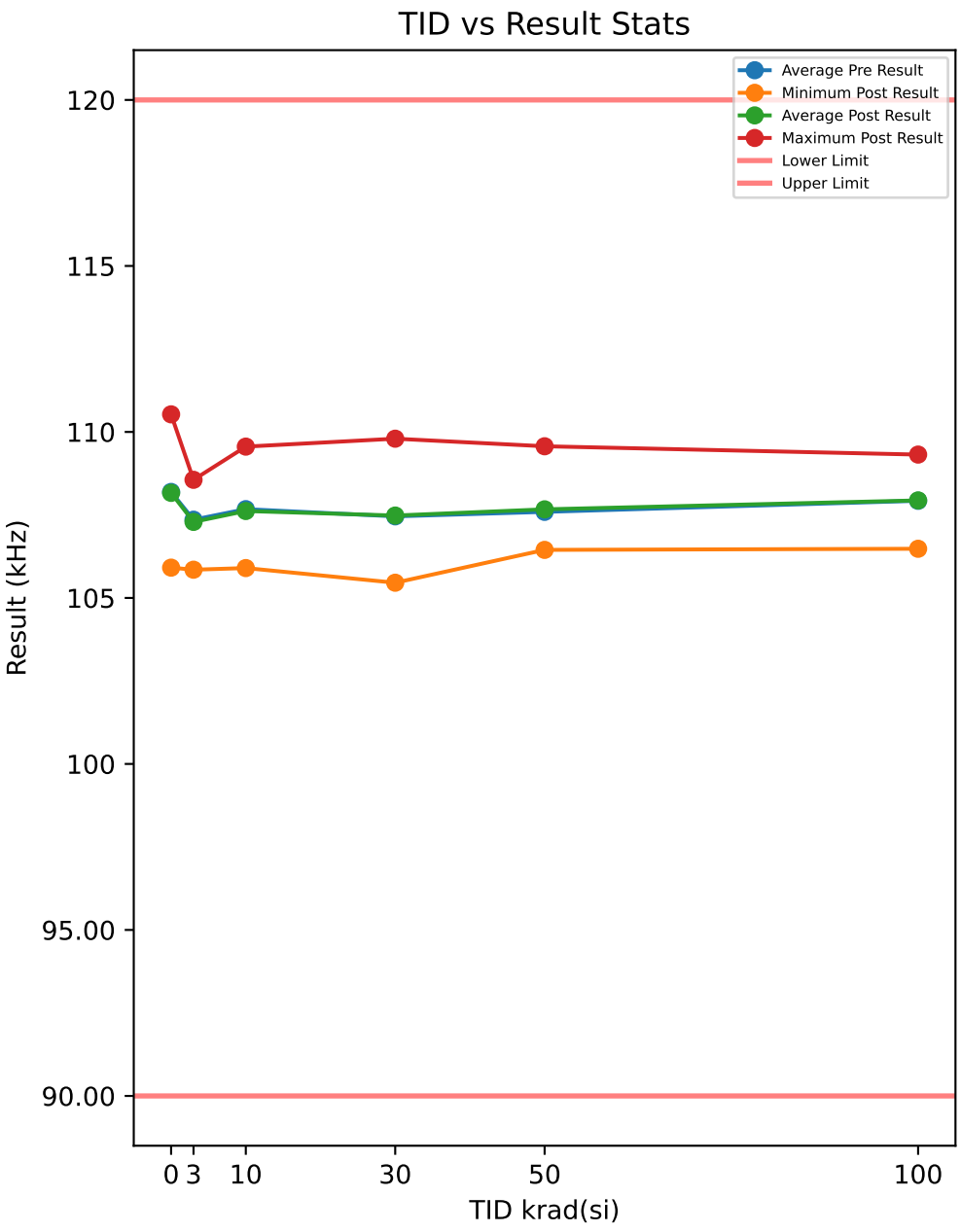
Test Results (Upper Limit = 2.0 (cycles))

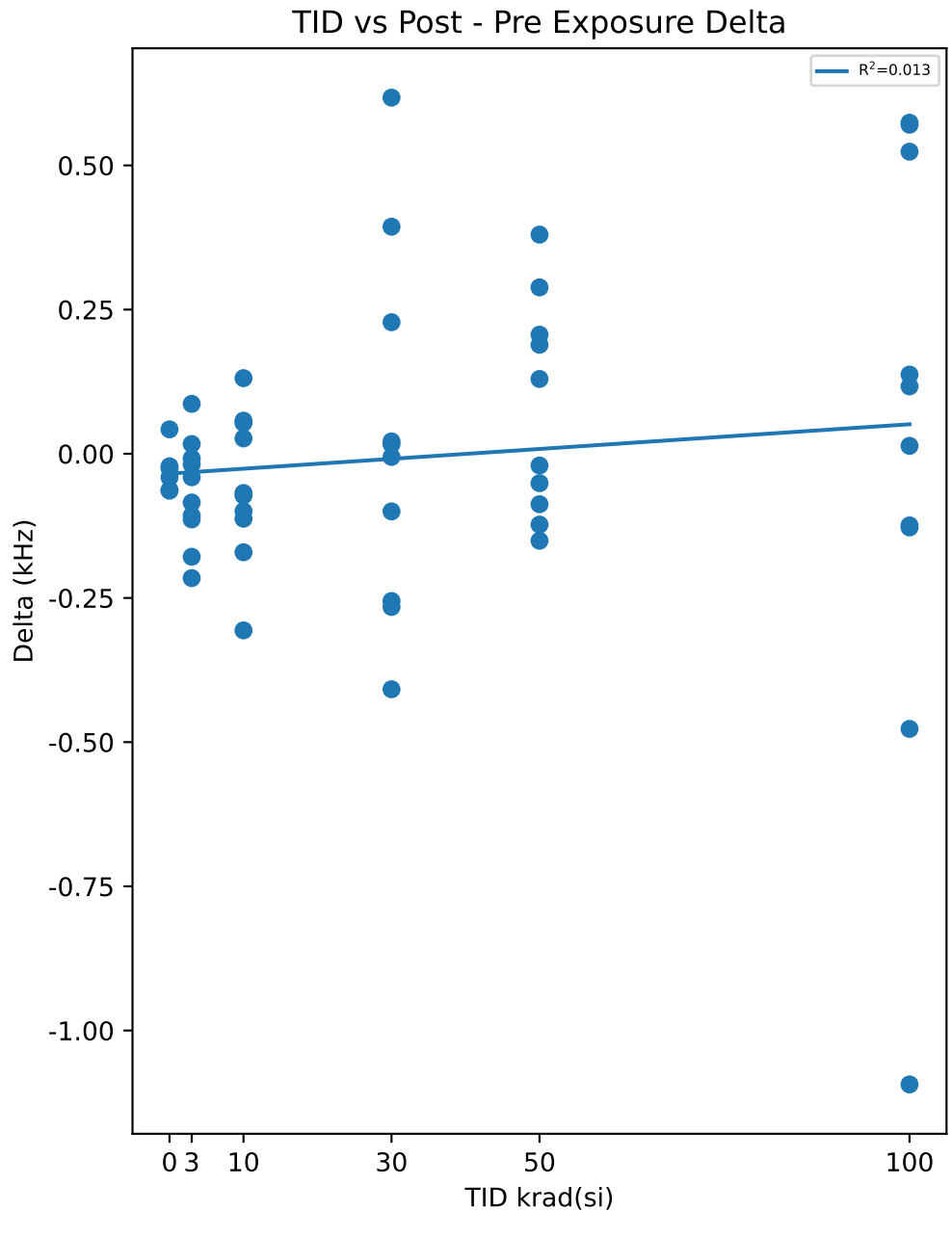
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	LDR Biased	1	1	0
2	3	LDR Biased	1	1	0
3	3	LDR Biased	1	1	0
4	3	LDR Biased	1	1	0
5	3	LDR Biased	1	1	0
6	10	LDR Biased	1	1	0
7	10	LDR Biased	1	1	0
8	10	LDR Biased	1	1	0
9	10	LDR Biased	1	1	0
10	10	LDR Biased	1	1	0
11	30	LDR Biased	1	1	0
12	30	LDR Biased	1	1	0
13	30	LDR Biased	1	1	0
14	30	LDR Biased	1	1	0
15	30	LDR Biased	1	1	0
16	50	LDR Biased	1	1	0
17	50	LDR Biased	1	1	0
18	50	LDR Biased	1	1	0
19	50	LDR Biased	1	1	0
20	50	LDR Biased	1	1	0
21	100	LDR Biased	1	1	0
22	100	LDR Biased	1	1	0
23	100	LDR Biased	1	1	0
24	100	LDR Biased	1	1	0
25	100	LDR Biased	1	1	0
26	3	LDR Unbiased	1	1	0
27	3	LDR Unbiased	1	1	0
28	3	LDR Unbiased	1	1	0
29	3	LDR Unbiased	1	1	0
30	3	LDR Unbiased	1	1	0
31	10	LDR Unbiased	1	1	0
32	10	LDR Unbiased	1	1	0
33	10	LDR Unbiased	1	1	0
34	10	LDR Unbiased	1	1	0
35	10	LDR Unbiased	1	1	0
36	30	LDR Unbiased	1	1	0
37	30	LDR Unbiased	1	1	0
38	30	LDR Unbiased	1	1	0
39	30	LDR Unbiased	1	1	0
40	30	LDR Unbiased	1	1	0
41	50	LDR Unbiased	1	1	0
42	50	LDR Unbiased	1	1	0
43	50	LDR Unbiased	1	1	0
44	50	LDR Unbiased	1	1	0
45	50	LDR Unbiased	1	1	0
46	100	LDR Unbiased	1	1	0
47	100	LDR Unbiased	1	1	0
48	100	LDR Unbiased	1	1	0
49	100	LDR Unbiased	1	1	0
50	100	LDR Unbiased	1	1	0
60	0	Correlation	1	1	0
61	0	Correlation	1	1	0
62	0	Correlation	1	1	0
63	0	Correlation	1	1	0
64	0	Correlation	1	1	0
65	0	Correlation	1	1	0

Test Statistics (cycles)

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	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	1	1	0	1	1	1	0	0	0	0	0
3	1	1	1	0	1	1	1	0	0	0	0	0
10	1	1	1	0	1	1	1	0	0	0	0	0
30	1	1	1	0	1	1	1	0	0	0	0	0
50	1	1	1	0	1	1	1	0	0	0	0	0
100	1	1	1	0	1	1	1	0	0	0	0	0

Device Test: 24.94 _FREQ|100kHz/SYNC1/12//511k//@EXT_SET_FREQ_100KHZ_12V





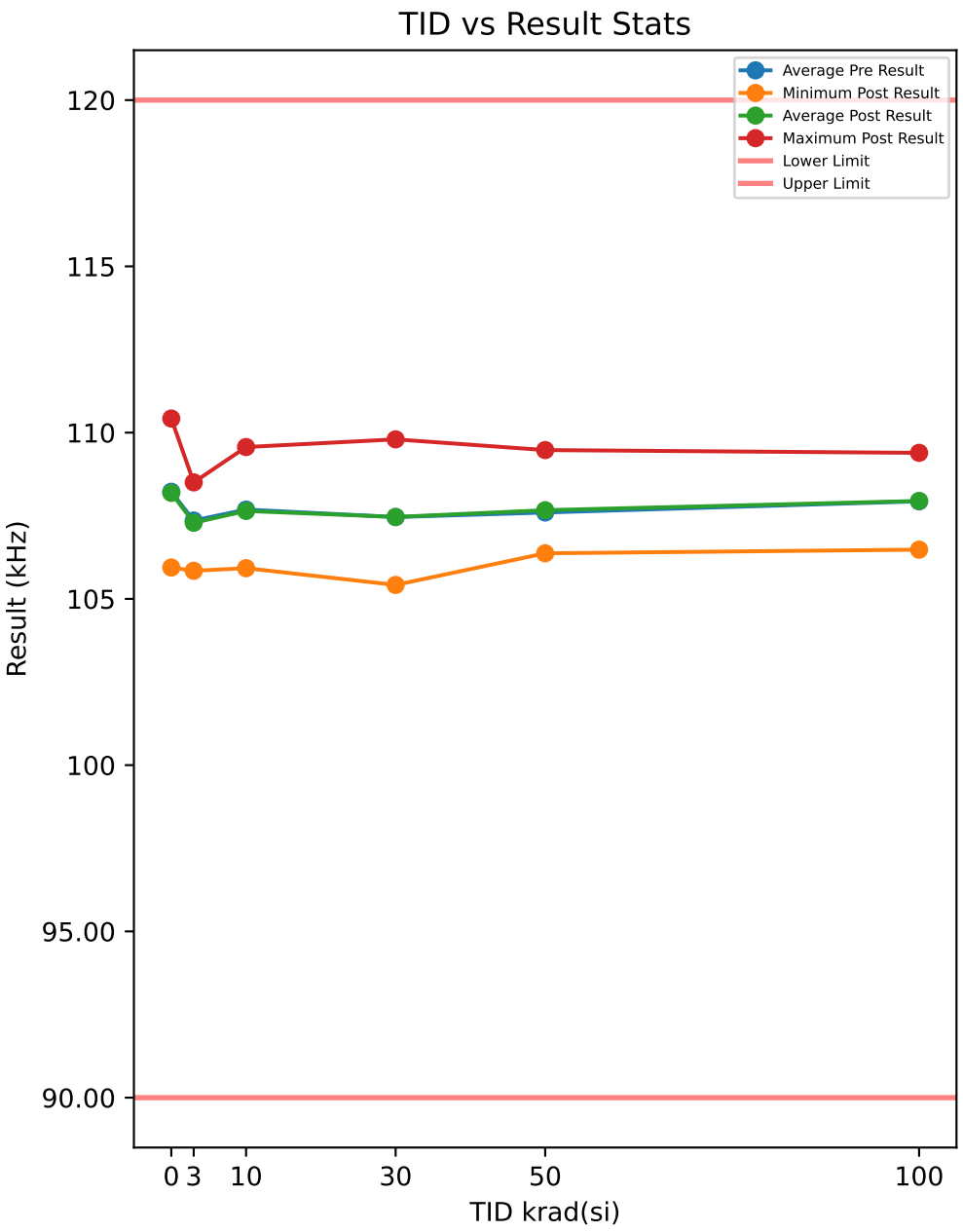
Test Results (Lower Limit = 90.0, Upper Limit = 120.0 (kHz))

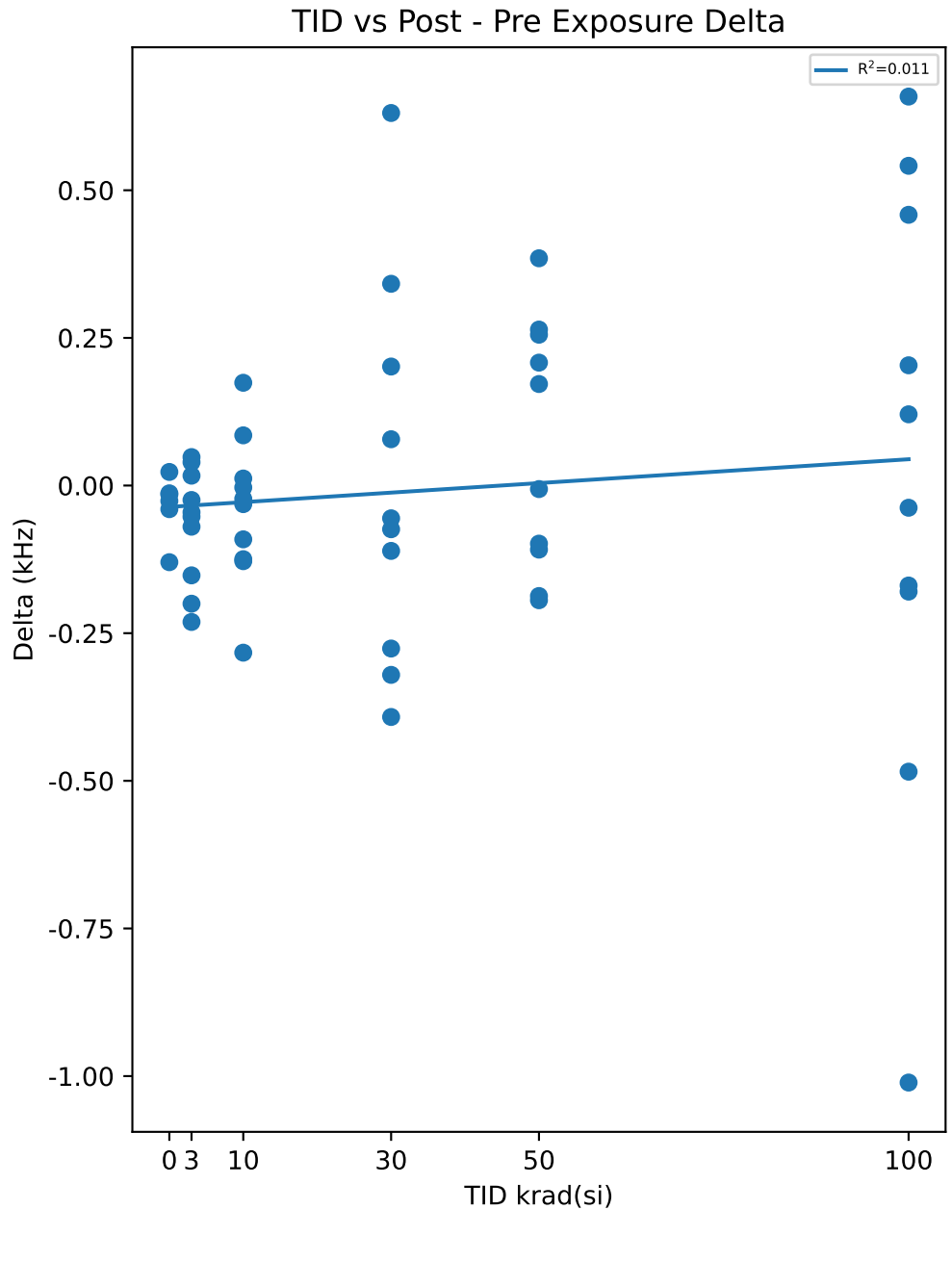
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	LDR Biased	106.99	106.88	-0.1138
2	3	LDR Biased	108.02	108.04	0.0169
3	3	LDR Biased	108.47	108.56	0.0865
4	3	LDR Biased	107.56	107.45	-0.1071
5	3	LDR Biased	107.29	107.25	-0.0407
6	10	LDR Biased	109.86	109.56	-0.3062
7	10	LDR Biased	105.93	105.95	0.0266
8	10	LDR Biased	108.75	108.81	0.0574
9	10	LDR Biased	106.07	105.9	-0.1708
10	10	LDR Biased	107.23	107.15	-0.0724
11	30	LDR Biased	105.94	106.33	0.3937
12	30	LDR Biased	109.18	109.8	0.6175
13	30	LDR Biased	108.01	107.75	-0.2553
14	30	LDR Biased	108.74	108.73	-0.0055
15	30	LDR Biased	105.72	105.46	-0.2656
16	50	LDR Biased	108.79	108.98	0.189
17	50	LDR Biased	106.47	106.45	-0.0204
18	50	LDR Biased	106.83	107.04	0.2065
19	50	LDR Biased	106.6	106.54	-0.051
20	50	LDR Biased	108.05	108.18	0.1297
21	100	LDR Biased	107.33	107.9	0.574
22	100	LDR Biased	107.89	107.76	-0.1277
23	100	LDR Biased	109.18	109.32	0.1373
24	100	LDR Biased	107.65	108.17	0.5238
25	100	LDR Biased	107.69	107.81	0.1169
26	3	LDR Unbiased	106.09	106.07	-0.0184
27	3	LDR Unbiased	107.12	106.9	-0.2156
28	3	LDR Unbiased	107.77	107.68	-0.0845
29	3	LDR Unbiased	108.23	108.22	-0.0081
30	3	LDR Unbiased	106.03	105.85	-0.1786
31	10	LDR Unbiased	109.18	109.07	-0.1126
32	10	LDR Unbiased	107.52	107.45	-0.068
33	10	LDR Unbiased	108.62	108.52	-0.0996
34	10	LDR Unbiased	107.25	107.3	0.0536
35	10	LDR Unbiased	106.34	106.47	0.1311
36	30	LDR Unbiased	107.71	107.61	-0.0999
37	30	LDR Unbiased	108.46	108.06	-0.4083
38	30	LDR Unbiased	106.47	106.7	0.2281
39	30	LDR Unbiased	105.59	105.61	0.0167
40	30	LDR Unbiased	108.75	108.77	0.0215
41	50	LDR Unbiased	107.78	107.63	-0.1508
42	50	LDR Unbiased	107.13	107.05	-0.0875
43	50	LDR Unbiased	108.37	108.24	-0.1228
44	50	LDR Unbiased	109.28	109.57	0.2885
45	50	LDR Unbiased	106.63	107.01	0.38
46	100	LDR Unbiased	108.68	109.26	0.5705
47	100	LDR Unbiased	107.73	107.25	-0.477
48	100	LDR Unbiased	108.58	107.49	-1.0935
49	100	LDR Unbiased	106.47	106.48	0.0137
50	100	LDR Unbiased	108.07	107.94	-0.1242
60	0	Correlation	108.26	108.24	-0.0217
61	0	Correlation	108.26	108.22	-0.041
62	0	Correlation	105.98	105.91	-0.064
63	0	Correlation	107.67	107.61	-0.0628
64	0	Correlation	110.49	110.53	0.0423
65	0	Correlation	108.5	108.47	-0.0252

Test Statistics (kHz)

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	105.98	108.19	110.49	1.453	105.91	108.16	110.53	1.4889	-0.064	-0.028733	0.0423	0.039147
3	106.03	107.36	108.47	0.83133	105.85	107.29	108.56	0.88802	-0.2156	-0.06634	0.0865	0.091749
10	105.93	107.67	109.86	1.3705	105.9	107.62	109.56	1.3103	-0.3062	-0.05609	0.1311	0.12823
30	105.59	107.46	109.18	1.3912	105.46	107.48	109.8	1.4354	-0.4083	0.02429	0.6175	0.31546
50	106.47	107.59	109.28	1.006	106.45	107.67	109.57	1.0489	-0.1508	0.07612	0.38	0.1866
100	106.47	107.93	109.18	0.76398	106.48	107.94	109.32	0.85256	-1.0935	0.01138	0.574	0.51809

Device Test: 24.95 _FREQ|100kHz/SYNC2/12//511k//@EXT_SET_FREQ_100KHZ_12V





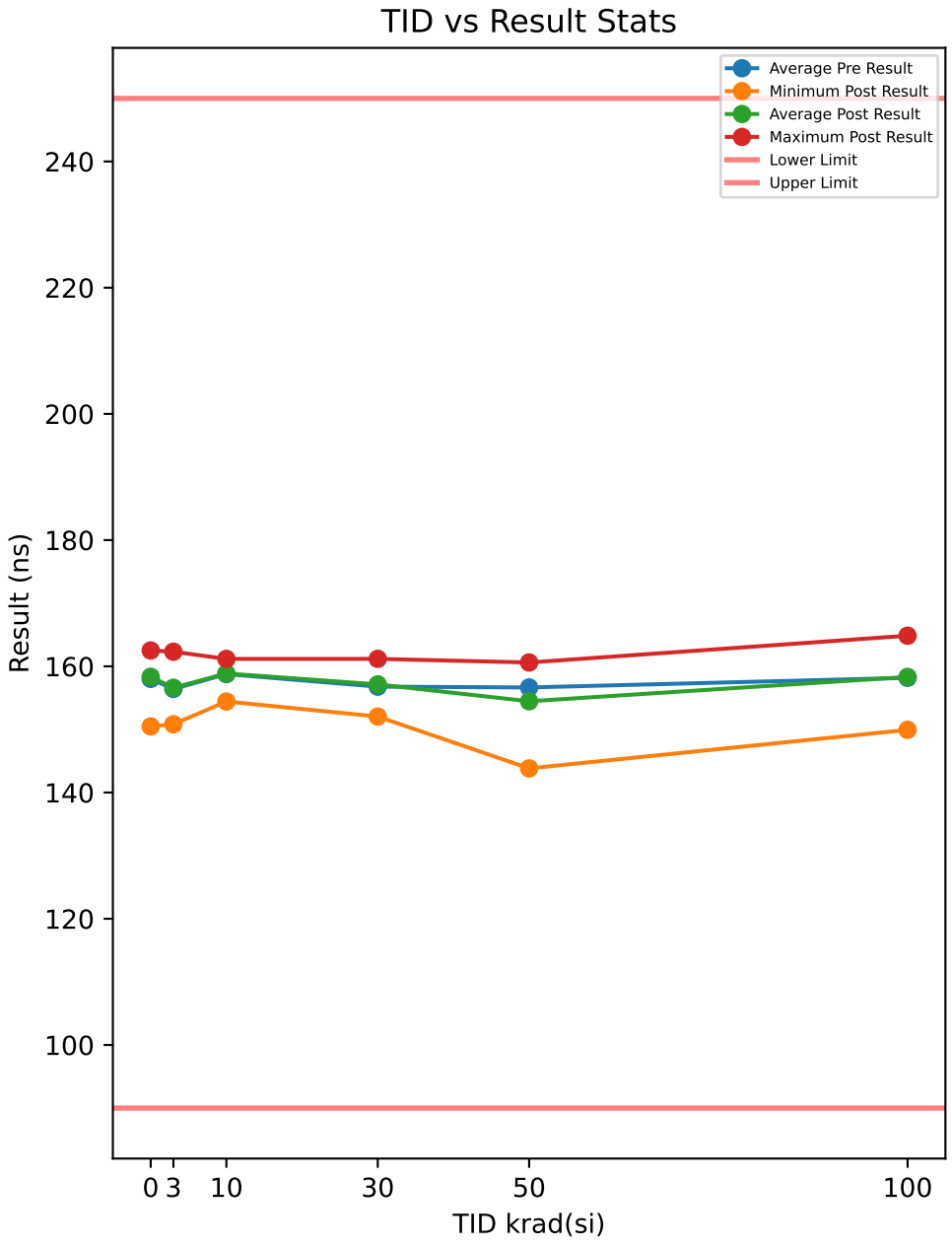
Test Results (Lower Limit = 90.0, Upper Limit = 120.0 (kHz))

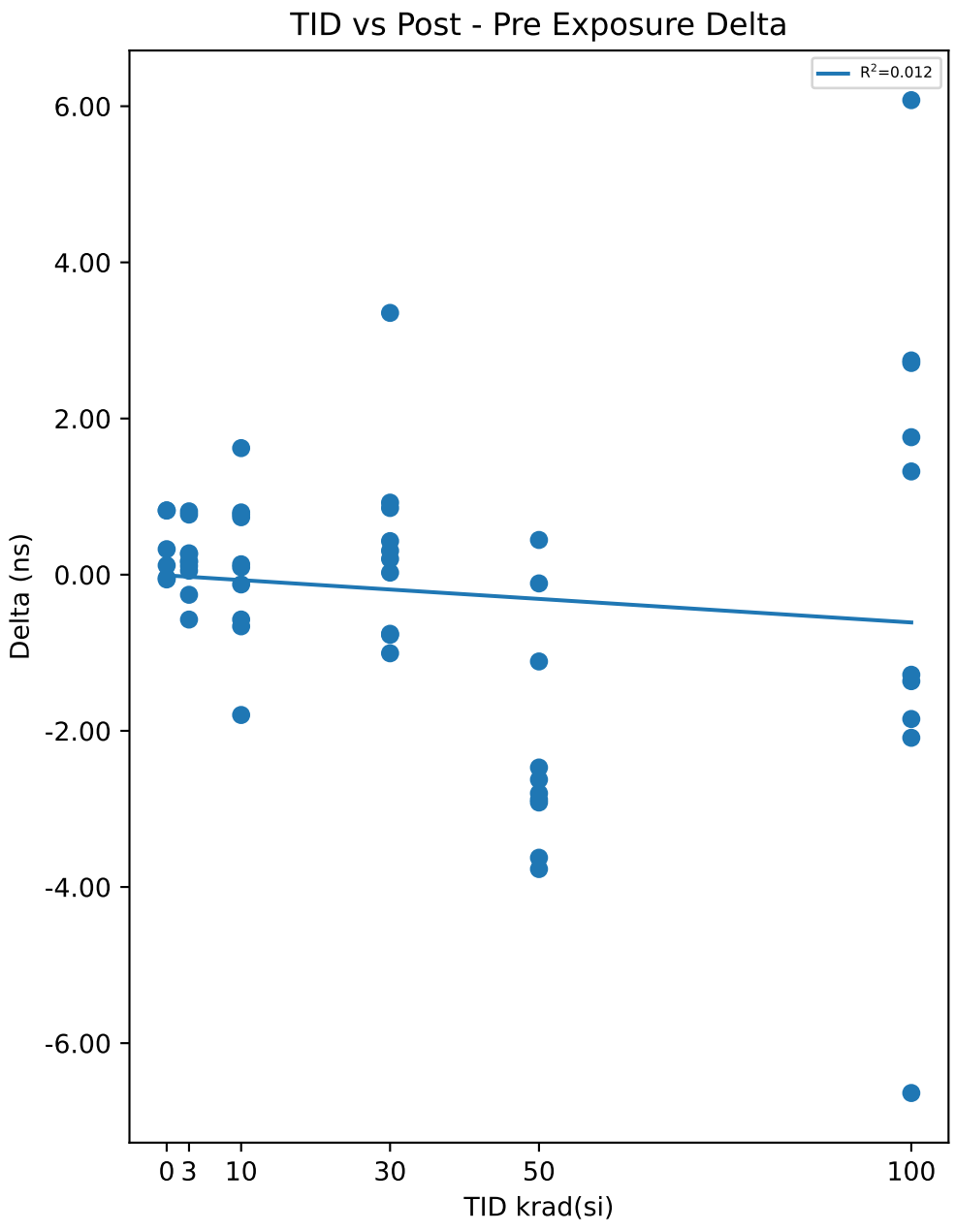
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	LDR Biased	107.01	106.85	-0.1521
2	3	LDR Biased	108.05	108.06	0.0167
3	3	LDR Biased	108.46	108.5	0.0395
4	3	LDR Biased	107.56	107.49	-0.0697
5	3	LDR Biased	107.22	107.17	-0.0527
6	10	LDR Biased	109.85	109.57	-0.283
7	10	LDR Biased	106.06	105.97	-0.0911
8	10	LDR Biased	108.76	108.85	0.085
9	10	LDR Biased	106.05	105.92	-0.1281
10	10	LDR Biased	107.16	107.13	-0.0315
11	30	LDR Biased	105.92	106.26	0.3416
12	30	LDR Biased	109.17	109.8	0.6308
13	30	LDR Biased	108.01	107.74	-0.276
14	30	LDR Biased	108.75	108.69	-0.0555
15	30	LDR Biased	105.74	105.42	-0.3206
16	50	LDR Biased	108.76	109.01	0.2554
17	50	LDR Biased	106.38	106.37	-0.006
18	50	LDR Biased	106.84	107.1	0.2641
19	50	LDR Biased	106.62	106.52	-0.0984
20	50	LDR Biased	108.02	108.19	0.1719
21	100	LDR Biased	107.3	107.96	0.6586
22	100	LDR Biased	107.94	107.77	-0.1693
23	100	LDR Biased	109.19	109.39	0.2036
24	100	LDR Biased	107.65	108.11	0.4584
25	100	LDR Biased	107.71	107.83	0.1206
26	3	LDR Unbiased	106.09	106.07	-0.0245
27	3	LDR Unbiased	107.14	106.94	-0.2001
28	3	LDR Unbiased	107.73	107.69	-0.0453
29	3	LDR Unbiased	108.23	108.27	0.0482
30	3	LDR Unbiased	106.08	105.84	-0.231
31	10	LDR Unbiased	109.18	109.16	-0.0225
32	10	LDR Unbiased	107.52	107.52	-0.0033
33	10	LDR Unbiased	108.67	108.55	-0.1247
34	10	LDR Unbiased	107.28	107.29	0.0119
35	10	LDR Unbiased	106.32	106.5	0.174
36	30	LDR Unbiased	107.72	107.61	-0.1107
37	30	LDR Unbiased	108.46	108.07	-0.3919
38	30	LDR Unbiased	106.47	106.67	0.2015
39	30	LDR Unbiased	105.57	105.64	0.0784
40	30	LDR Unbiased	108.81	108.74	-0.074
41	50	LDR Unbiased	107.84	107.66	-0.1871
42	50	LDR Unbiased	107.14	107.03	-0.1085
43	50	LDR Unbiased	108.46	108.27	-0.1942
44	50	LDR Unbiased	109.27	109.48	0.2081
45	50	LDR Unbiased	106.66	107.05	0.3848
46	100	LDR Unbiased	108.73	109.27	0.5414
47	100	LDR Unbiased	107.74	107.26	-0.4845
48	100	LDR Unbiased	108.52	107.51	-1.0109
49	100	LDR Unbiased	106.52	106.48	-0.0376
50	100	LDR Unbiased	108.05	107.87	-0.1796
60	0	Correlation	108.31	108.28	-0.0261
61	0	Correlation	108.28	108.3	0.023
62	0	Correlation	105.98	105.94	-0.04
63	0	Correlation	107.67	107.65	-0.0132
64	0	Correlation	110.55	110.42	-0.1298
65	0	Correlation	108.54	108.53	-0.015

Test Statistics (kHz)

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	105.98	108.22	110.55	1.4744	105.94	108.19	110.42	1.4463	-0.1298	-0.033517	0.023	0.051609
3	106.08	107.36	108.46	0.82128	105.84	107.29	108.5	0.89137	-0.231	-0.0671	0.0482	0.097731
10	106.05	107.69	109.85	1.3612	105.92	107.64	109.57	1.3219	-0.283	-0.04133	0.174	0.12579
30	105.57	107.46	109.17	1.4016	105.42	107.46	109.8	1.438	-0.3919	0.00236	0.6308	0.31879
50	106.38	107.6	109.27	1.0125	106.37	107.67	109.48	1.0445	-0.1942	0.06901	0.3848	0.21147
100	106.52	107.93	109.19	0.75495	106.48	107.94	109.39	0.86448	-1.0109	0.01007	0.6586	0.50673

Device Test: 24.96 _TIMING|DELAY/SYNC1/12//511k//@SYNC1_SW_DELAY_OUTPUT





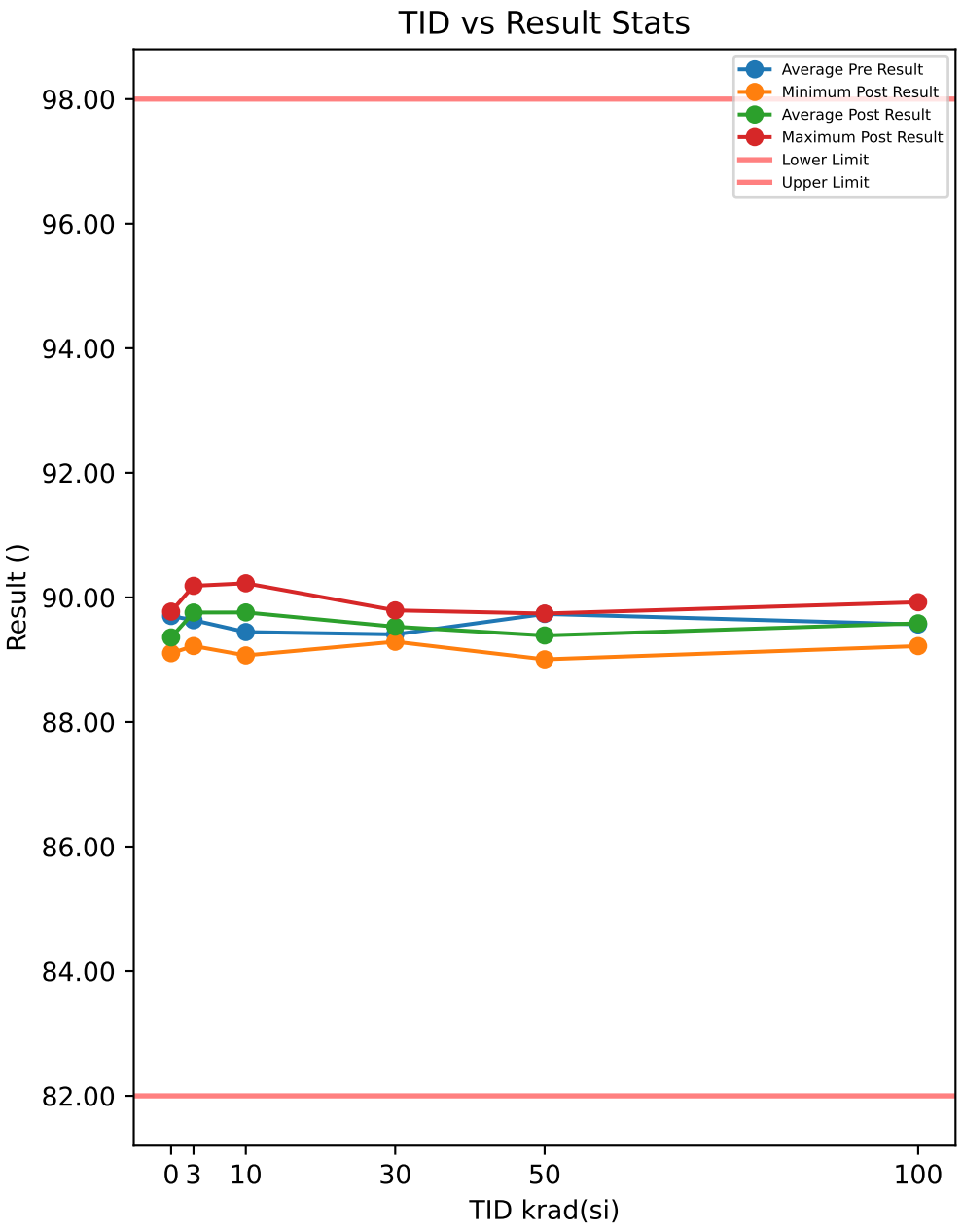
Test Results (Lower Limit = 90.0, Upper Limit = 250.0 (ns))

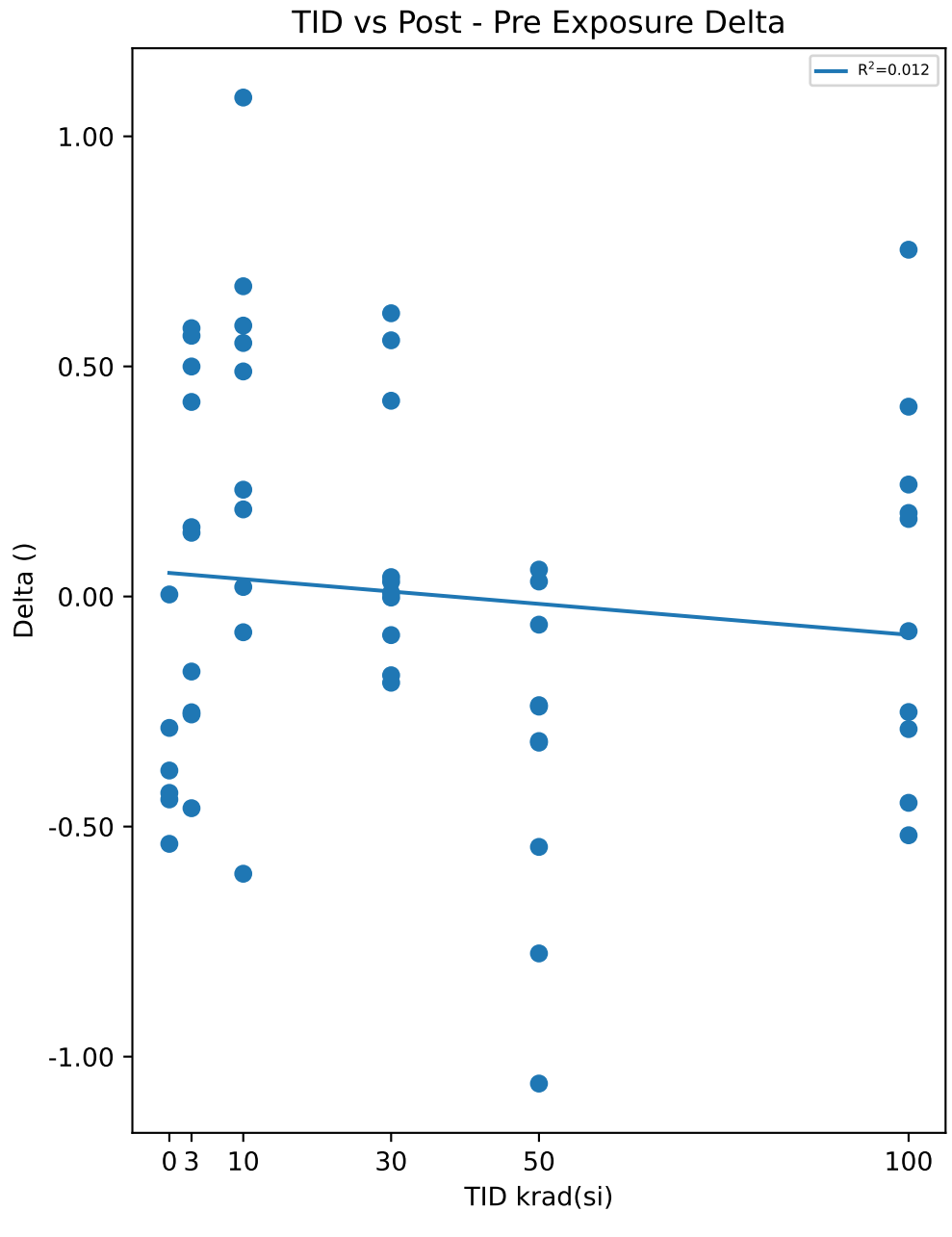
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	LDR Biased	162.05	162.31	0.2654
2	3	LDR Biased	158.36	158.53	0.1714
3	3	LDR Biased	150.71	150.82	0.1131
4	3	LDR Biased	161.68	161.11	-0.5747
5	3	LDR Biased	152.08	152.89	0.8114
6	10	LDR Biased	161.04	161.18	0.1331
7	10	LDR Biased	161.72	161.05	-0.6615
8	10	LDR Biased	156.47	155.89	-0.5743
9	10	LDR Biased	159.58	160.32	0.7358
10	10	LDR Biased	160.75	160.62	-0.1249
11	30	LDR Biased	157.26	156.51	-0.7569
12	30	LDR Biased	158.71	157.94	-0.7707
13	30	LDR Biased	154.69	154.89	0.2017
14	30	LDR Biased	157.77	158.2	0.4301
15	30	LDR Biased	157.83	161.18	3.3529
16	50	LDR Biased	156.39	156.84	0.4446
17	50	LDR Biased	157.42	154.5	-2.9181
18	50	LDR Biased	147.6	143.83	-3.7701
19	50	LDR Biased	154.37	154.26	-0.112
20	50	LDR Biased	155.74	152.94	-2.8001
21	100	LDR Biased	163.09	164.85	1.7607
22	100	LDR Biased	163.79	162.43	-1.3639
23	100	LDR Biased	158.12	164.2	6.0775
24	100	LDR Biased	158.18	159.5	1.3221
25	100	LDR Biased	150.57	153.32	2.7436
26	3	LDR Unbiased	153.4	154.17	0.7696
27	3	LDR Unbiased	159.31	159.59	0.2734
28	3	LDR Unbiased	156.76	156.5	-0.2575
29	3	LDR Unbiased	154.17	154.34	0.1681
30	3	LDR Unbiased	155.62	155.67	0.0509
31	10	LDR Unbiased	160.19	160.96	0.7716
32	10	LDR Unbiased	161.07	159.27	-1.7971
33	10	LDR Unbiased	152.8	154.43	1.621
34	10	LDR Unbiased	155.11	155.21	0.0951
35	10	LDR Unbiased	158.97	159.76	0.7973
36	30	LDR Unbiased	152.02	152.04	0.0261
37	30	LDR Unbiased	156.85	157.16	0.3067
38	30	LDR Unbiased	158.24	157.23	-1.0067
39	30	LDR Unbiased	159.03	159.89	0.8542
40	30	LDR Unbiased	155.4	156.32	0.9229
41	50	LDR Unbiased	163.49	160.61	-2.8809
42	50	LDR Unbiased	161.41	158.94	-2.47
43	50	LDR Unbiased	157.77	154.15	-3.6252
44	50	LDR Unbiased	157.84	155.22	-2.6244
45	50	LDR Unbiased	154.47	153.36	-1.1116
46	100	LDR Unbiased	159.78	157.7	-2.0892
47	100	LDR Unbiased	159.27	157.99	-1.2818
48	100	LDR Unbiased	156.57	149.93	-6.6388
49	100	LDR Unbiased	156.57	159.28	2.7114
50	100	LDR Unbiased	155.8	153.95	-1.8484
60	0	Correlation	153.62	154.44	0.824
61	0	Correlation	150.15	150.47	0.3265
62	0	Correlation	159.89	160.01	0.1186
63	0	Correlation	162.55	162.51	-0.0421
64	0	Correlation	160.21	161.03	0.8209
65	0	Correlation	161.66	161.6	-0.0606

Test Statistics (ns)

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	150.15	158.01	162.55	4.9695	150.47	158.34	162.51	4.799	-0.0606	0.33122	0.824	0.40515
3	150.71	156.41	162.05	3.9151	150.82	156.59	162.31	3.7223	-0.5747	0.17911	0.8114	0.41428
10	152.8	158.77	161.72	2.9812	154.43	158.87	161.18	2.6373	-1.7971	0.09961	1.621	0.96265
30	152.02	156.78	159.03	2.1664	152.04	157.14	161.18	2.5338	-1.0067	0.35603	3.3529	1.2497
50	147.6	156.65	163.49	4.2877	143.83	154.46	160.61	4.4818	-3.7701	-2.1868	0.4446	1.4386
100	150.57	158.17	163.79	3.7722	149.93	158.31	164.85	4.8458	-6.6388	0.13932	6.0775	3.5249

Device Test: 24.97 _TIMING|PHASESHIFT/SYNC1/12//511k//@SYNC_PH_SHIFT





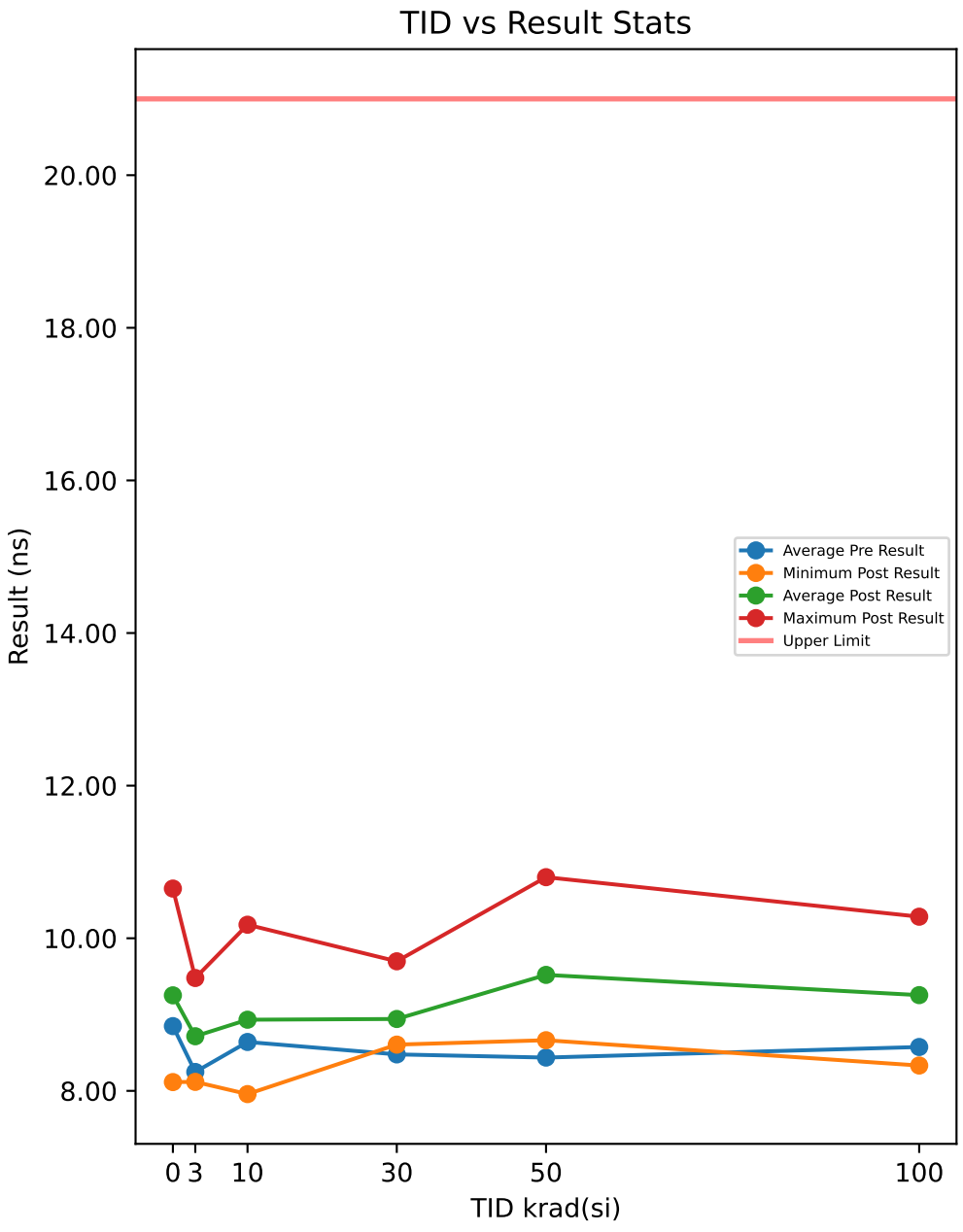
Test Results (Lower Limit = 82.0, Upper Limit = 98.0 ())

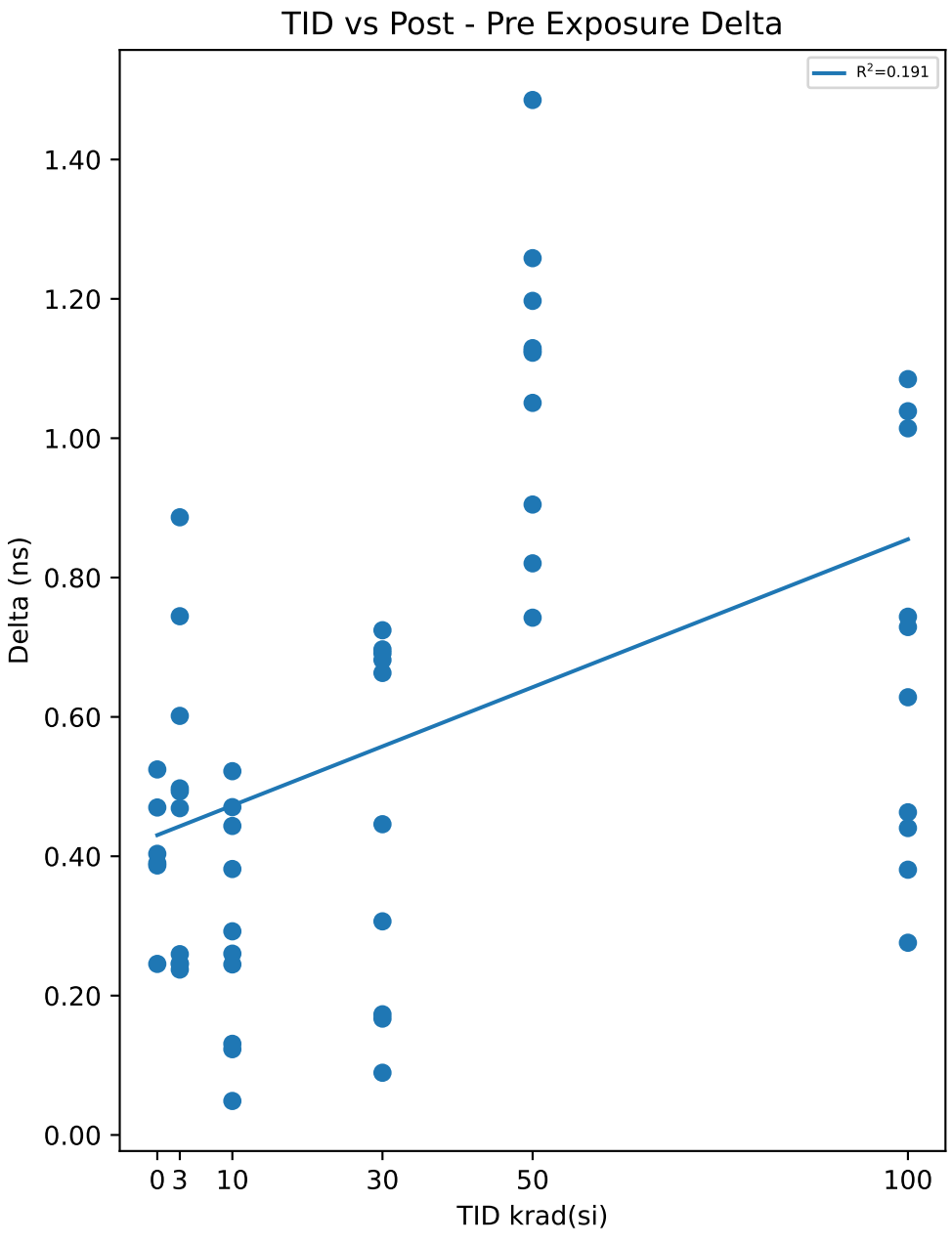
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	LDR Biased	89.21	89.777	0.5666
2	3	LDR Biased	89.603	90.186	0.5831
3	3	LDR Biased	89.728	89.879	0.1507
4	3	LDR Biased	89.683	89.427	-0.2563
5	3	LDR Biased	89.937	89.686	-0.2516
6	10	LDR Biased	89.142	90.227	1.0843
7	10	LDR Biased	89.646	90.135	0.4891
8	10	LDR Biased	89.604	89.624	0.0207
9	10	LDR Biased	89.281	89.87	0.5887
10	10	LDR Biased	89.488	89.678	0.1893
11	30	LDR Biased	89.388	89.43	0.0421
12	30	LDR Biased	89.149	89.765	0.6155
13	30	LDR Biased	89.476	89.288	-0.1874
14	30	LDR Biased	89.323	89.32	-0.0023
15	30	LDR Biased	89.718	89.546	-0.1712
16	50	LDR Biased	90.056	89.742	-0.3142
17	50	LDR Biased	89.667	89.427	-0.2393
18	50	LDR Biased	89.671	89.729	0.0584
19	50	LDR Biased	89.832	89.056	-0.7757
20	50	LDR Biased	89.577	89.515	-0.0612
21	100	LDR Biased	89.307	89.72	0.4125
22	100	LDR Biased	89.304	89.547	0.2433
23	100	LDR Biased	89.63	89.812	0.1815
24	100	LDR Biased	89.738	89.219	-0.5189
25	100	LDR Biased	89.966	89.891	-0.0753
26	3	LDR Unbiased	89.413	89.913	0.4998
27	3	LDR Unbiased	89.48	89.618	0.1385
28	3	LDR Unbiased	89.68	89.22	-0.4601
29	3	LDR Unbiased	89.745	90.168	0.4228
30	3	LDR Unbiased	89.868	89.705	-0.1631
31	10	LDR Unbiased	89.4	89.951	0.5509
32	10	LDR Unbiased	89.568	89.8	0.2321
33	10	LDR Unbiased	89.349	90.023	0.6742
34	10	LDR Unbiased	89.819	89.217	-0.6025
35	10	LDR Unbiased	89.147	89.069	-0.0777
36	30	LDR Unbiased	89.486	89.402	-0.0839
37	30	LDR Unbiased	89.497	89.529	0.032
38	30	LDR Unbiased	89.503	89.51	0.0078
39	30	LDR Unbiased	89.367	89.793	0.4254
40	30	LDR Unbiased	89.161	89.718	0.5567
41	50	LDR Unbiased	89.55	89.232	-0.3176
42	50	LDR Unbiased	89.55	89.006	-0.5442
43	50	LDR Unbiased	89.416	89.449	0.0326
44	50	LDR Unbiased	90.212	89.154	-1.0585
45	50	LDR Unbiased	89.821	89.585	-0.2362
46	100	LDR Unbiased	89.749	89.498	-0.2511
47	100	LDR Unbiased	89.288	89.457	0.1685
48	100	LDR Unbiased	89.17	89.923	0.7536
49	100	LDR Unbiased	89.772	89.323	-0.4484
50	100	LDR Unbiased	89.737	89.449	-0.2881
60	0	Correlation	89.768	89.773	0.0044
61	0	Correlation	89.762	89.477	-0.2856
62	0	Correlation	89.807	89.27	-0.5375
63	0	Correlation	89.783	89.342	-0.441
64	0	Correlation	89.56	89.182	-0.3782
65	0	Correlation	89.532	89.105	-0.4268

Test Statistics ()

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	89.532	89.702	89.807	0.12231	89.105	89.358	89.773	0.24047	-0.5375	-0.34412	0.0044	0.18956
3	89.21	89.635	89.937	0.21753	89.22	89.758	90.186	0.30126	-0.4601	0.12304	0.5831	0.38692
10	89.142	89.444	89.819	0.22143	89.069	89.759	90.227	0.37643	-0.6025	0.31491	1.0843	0.46987
30	89.149	89.407	89.718	0.17011	89.288	89.53	89.793	0.17916	-0.1874	0.12347	0.6155	0.29657
50	89.416	89.735	90.212	0.24759	89.006	89.39	89.742	0.26607	-1.0585	-0.34559	0.0584	0.35666
100	89.17	89.566	89.966	0.27252	89.219	89.584	89.923	0.2413	-0.5189	0.01776	0.7536	0.40517

Device Test: 24.98 _TIMING|RISE/SYNC1/12//511k//@SYNC_LH_RISE_TIME





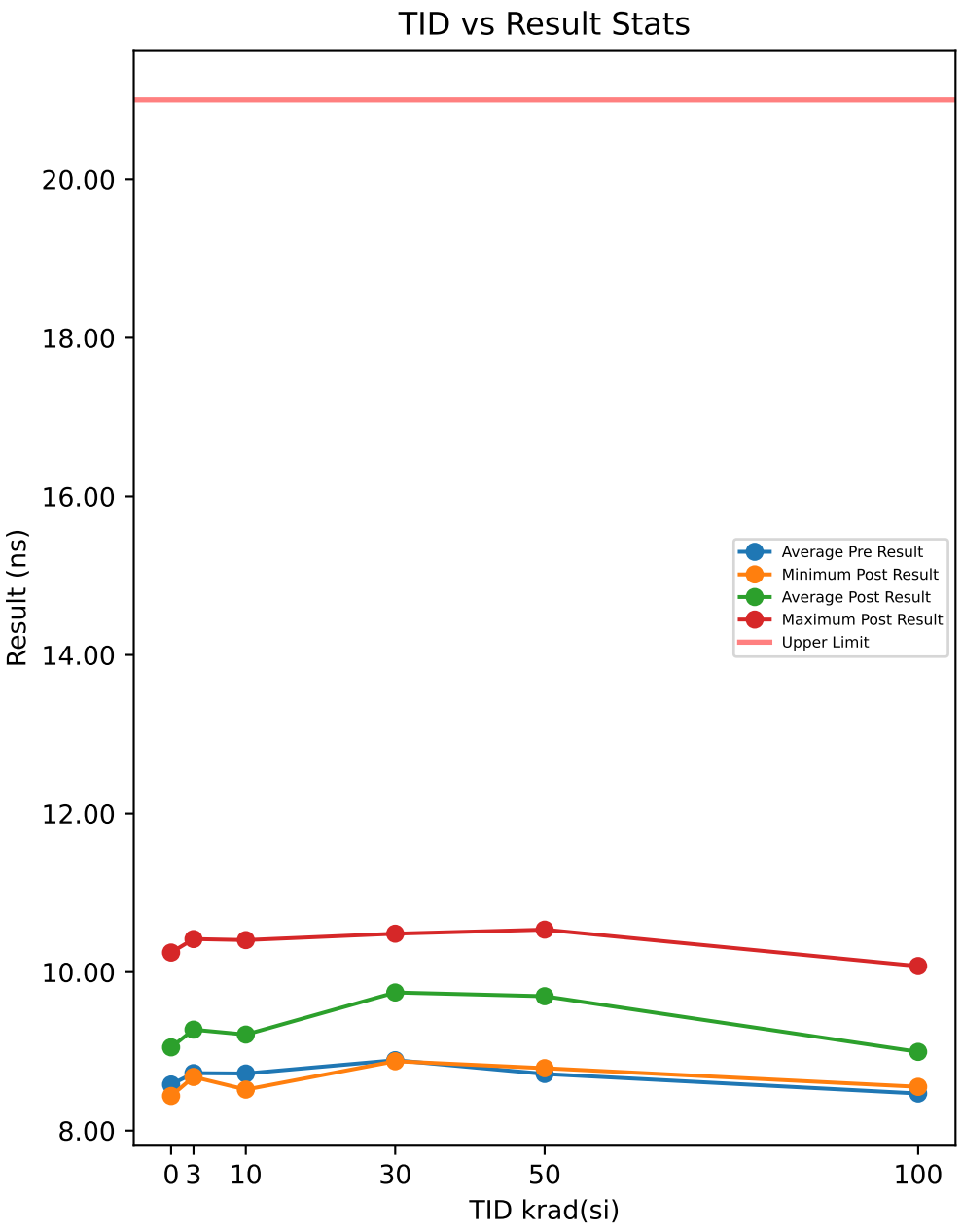
Test Results (Upper Limit = 21.0 (ns))

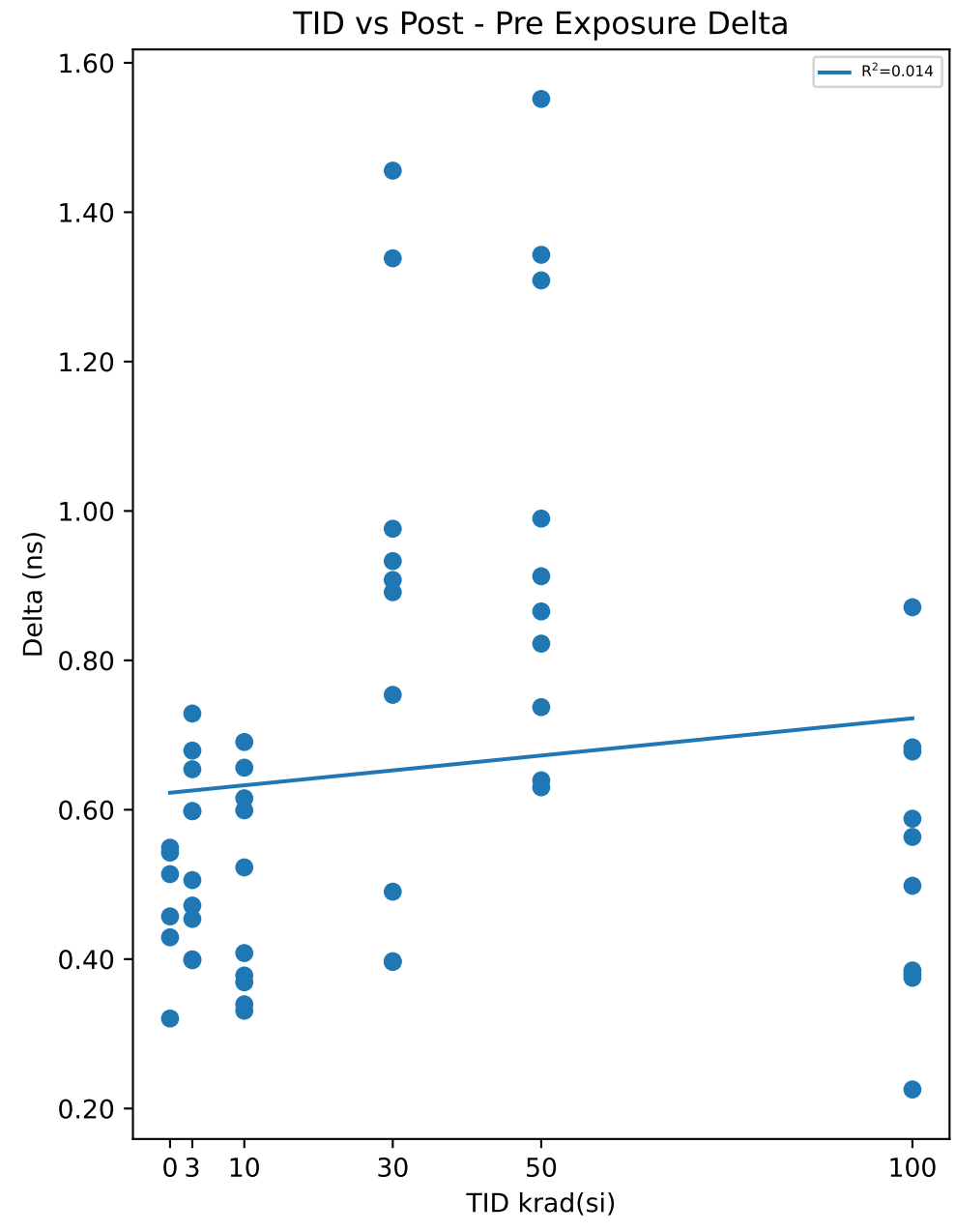
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	LDR Biased	8.0592	8.3043	0.2451
2	3	LDR Biased	8.312	9.1985	0.8865
3	3	LDR Biased	8.7345	9.479	0.7445
4	3	LDR Biased	8.1924	8.6856	0.4932
5	3	LDR Biased	8.1111	8.6085	0.4974
6	10	LDR Biased	10.129	10.177	0.0488
7	10	LDR Biased	7.9902	8.121	0.1308
8	10	LDR Biased	9.1986	9.4909	0.2923
9	10	LDR Biased	7.8346	7.9577	0.1231
10	10	LDR Biased	8.1496	8.4098	0.2602
11	30	LDR Biased	7.905	8.6294	0.7244
12	30	LDR Biased	9.5309	9.6979	0.167
13	30	LDR Biased	8.4526	8.8986	0.446
14	30	LDR Biased	8.92	9.0932	0.1732
15	30	LDR Biased	7.9479	8.611	0.6631
16	50	LDR Biased	9.152	10.349	1.1971
17	50	LDR Biased	7.8433	8.6637	0.8204
18	50	LDR Biased	7.9779	9.1033	1.1254
19	50	LDR Biased	8.0231	8.7655	0.7424
20	50	LDR Biased	8.3268	9.8122	1.4854
21	100	LDR Biased	8.2225	9.2367	1.0142
22	100	LDR Biased	8.4788	9.107	0.6282
23	100	LDR Biased	9.5535	10.283	0.729
24	100	LDR Biased	8.2932	9.378	1.0848
25	100	LDR Biased	8.1984	8.9422	0.7438
26	3	LDR Unbiased	7.8841	8.1436	0.2595
27	3	LDR Unbiased	8.1816	8.419	0.2374
28	3	LDR Unbiased	8.2825	8.7515	0.469
29	3	LDR Unbiased	8.8472	9.4487	0.6015
30	3	LDR Unbiased	7.8715	8.1178	0.2463
31	10	LDR Unbiased	9.568	10.09	0.5221
32	10	LDR Unbiased	8.3176	8.6993	0.3817
33	10	LDR Unbiased	9.1511	9.6216	0.4705
34	10	LDR Unbiased	8.0917	8.5352	0.4435
35	10	LDR Unbiased	7.9778	8.2226	0.2448
36	30	LDR Unbiased	8.3178	9.0091	0.6913
37	30	LDR Unbiased	8.8918	8.9811	0.0893
38	30	LDR Unbiased	7.9859	8.6828	0.6969
39	30	LDR Unbiased	7.9245	8.6062	0.6817
40	30	LDR Unbiased	8.9034	9.21	0.3066
41	50	LDR Unbiased	8.4174	9.3222	0.9048
42	50	LDR Unbiased	8.1255	9.1762	1.0507
43	50	LDR Unbiased	8.8852	10.144	1.2584
44	50	LDR Unbiased	9.6777	10.8	1.1227
45	50	LDR Unbiased	7.9341	9.0633	1.1292
46	100	LDR Unbiased	8.968	10.007	1.0387
47	100	LDR Unbiased	8.4624	8.9029	0.4405
48	100	LDR Unbiased	8.9903	9.2662	0.2759
49	100	LDR Unbiased	7.9515	8.3322	0.3807
50	100	LDR Unbiased	8.6303	9.0934	0.4631
60	0	Correlation	8.8108	9.2143	0.4035
61	0	Correlation	8.7591	9.2837	0.5246
62	0	Correlation	7.8697	8.1152	0.2455
63	0	Correlation	8.3293	8.7993	0.47
64	0	Correlation	10.264	10.651	0.3868
65	0	Correlation	9.0575	9.4477	0.3902

Test Statistics (ns)

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	7.8697	8.8484	10.264	0.81058	8.1152	9.2519	10.651	0.83612	0.2455	0.40343	0.5246	0.094347
3	7.8715	8.2476	8.8472	0.32267	8.1178	8.7157	9.479	0.50649	0.2374	0.46804	0.8865	0.22765
10	7.8346	8.6408	10.129	0.80311	7.9577	8.9326	10.177	0.83498	0.0488	0.29178	0.5221	0.1608
30	7.905	8.478	9.5309	0.56178	8.6062	8.9419	9.6979	0.34338	0.0893	0.46395	0.7244	0.25799
50	7.8433	8.4363	9.6777	0.60996	8.6637	9.5199	10.8	0.71827	0.7424	1.0837	1.4854	0.21832
100	7.9515	8.5749	9.5535	0.47652	8.3322	9.2548	10.283	0.55355	0.2759	0.67989	1.0848	0.29262

Device Test: 24.99 _TIMING|RISE/SYNC2/12//511k//@SYNC_LH_RISE_TIME





Test Results (Upper Limit = 21.0 (ns))

Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	LDR Biased	8.8504	9.4486	0.5982
2	3	LDR Biased	8.3887	8.7872	0.3985
3	3	LDR Biased	8.2235	8.6773	0.4538
4	3	LDR Biased	8.5296	9.0354	0.5058
5	3	LDR Biased	8.6403	9.2383	0.598
6	10	LDR Biased	8.176	8.5841	0.4081
7	10	LDR Biased	9.788	10.403	0.6153
8	10	LDR Biased	8.1641	8.5331	0.369
9	10	LDR Biased	9.653	10.176	0.5228
10	10	LDR Biased	8.6747	9.0527	0.378
11	30	LDR Biased	9.839	10.329	0.4903
12	30	LDR Biased	8.1215	8.8753	0.7538
13	30	LDR Biased	8.3645	9.8201	1.4556
14	30	LDR Biased	8.2704	9.1616	0.8912
15	30	LDR Biased	10.018	10.415	0.3962
16	50	LDR Biased	8.1483	8.7877	0.6394
17	50	LDR Biased	9.401	10.314	0.9126
18	50	LDR Biased	9.1341	9.9996	0.8655
19	50	LDR Biased	9.1922	10.535	1.343
20	50	LDR Biased	8.4642	9.2866	0.8224
21	100	LDR Biased	8.5715	8.797	0.2255
22	100	LDR Biased	8.3439	8.9319	0.588
23	100	LDR Biased	8.2639	8.6389	0.375
24	100	LDR Biased	8.4685	8.8486	0.3801
25	100	LDR Biased	8.3833	9.0612	0.6779
26	3	LDR Unbiased	9.4876	10.142	0.6542
27	3	LDR Unbiased	8.7123	9.3915	0.6792
28	3	LDR Unbiased	8.4003	8.872	0.4717
29	3	LDR Unbiased	8.3297	8.7294	0.3997
30	3	LDR Unbiased	9.6877	10.416	0.7288
31	10	LDR Unbiased	8.2662	8.5971	0.3309
32	10	LDR Unbiased	8.4176	9.0168	0.5992
33	10	LDR Unbiased	8.1785	8.518	0.3395
34	10	LDR Unbiased	8.4572	9.1135	0.6563
35	10	LDR Unbiased	9.4299	10.121	0.6907
36	30	LDR Unbiased	8.4099	9.7482	1.3383
37	30	LDR Unbiased	8.3371	9.3133	0.9762
38	30	LDR Unbiased	9.2905	10.198	0.9076
39	30	LDR Unbiased	10.087	10.484	0.3972
40	30	LDR Unbiased	8.1464	9.0793	0.9329
41	50	LDR Unbiased	8.4364	9.7451	1.3087
42	50	LDR Unbiased	8.7235	10.275	1.5516
43	50	LDR Unbiased	8.2997	9.0371	0.7374
44	50	LDR Unbiased	8.2254	8.8554	0.63
45	50	LDR Unbiased	9.1259	10.116	0.9898
46	100	LDR Unbiased	8.1681	8.5529	0.3848
47	100	LDR Unbiased	8.4323	9.1158	0.6835
48	100	LDR Unbiased	8.3293	8.8275	0.4982
49	100	LDR Unbiased	9.2049	10.076	0.8711
50	100	LDR Unbiased	8.5208	9.0844	0.5636
60	0	Correlation	8.4099	8.9591	0.5492
61	0	Correlation	8.3275	8.8413	0.5138
62	0	Correlation	9.7034	10.246	0.5426
63	0	Correlation	8.4929	8.9501	0.4572
64	0	Correlation	8.1172	8.4377	0.3205
65	0	Correlation	8.4392	8.8684	0.4292

Test Statistics (ns)

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	8.1172	8.5817	9.7034	0.56503	8.4377	9.0504	10.246	0.61646	0.3205	0.46875	0.5492	0.086754
3	8.2235	8.725	9.6877	0.49395	8.6773	9.2738	10.416	0.59741	0.3985	0.54879	0.7288	0.1188
10	8.1641	8.7205	9.788	0.64822	8.518	9.2115	10.403	0.7425	0.3309	0.49098	0.6907	0.14082
30	8.1215	8.8885	10.087	0.82372	8.8753	9.7424	10.484	0.60306	0.3962	0.85393	1.4556	0.36247
50	8.1483	8.7151	9.401	0.46149	8.7877	9.6951	10.535	0.65193	0.63	0.98004	1.5516	0.31737
100	8.1681	8.4687	9.2049	0.28503	8.5529	8.9934	10.076	0.42301	0.2255	0.52477	0.8711	0.1907

7 Revision History

NOTE: Page numbers for previous revisions may differ from page numbers in the current version.

Changes from Revision A (August 2024) to Revision B (May 2026)	Page
• Updated TID report with low dose rate (LDR) exposure details	1
• Updated table to include LDR exposure details	2
• Updated details to include LDR	4
• Updated biased and unbiased device information for LDR exposure	5
• Added test parameter decoder	12
• Added LDR Results	13

Changes from Revision * (April 2024) to Revision A (August 2024)	Page
• Updated electrical parameter limits for device release	6

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