



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 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).

Table of Contents

1 Device Information	2
1.1 Product Description.....	2
1.2 Device Details.....	2
2 Total Dose Test Setup	3
2.1 Test Overview.....	3
2.2 Test Description and Facilities.....	3
2.3 Test Setup Details.....	3
2.4 Biased Test Configuration and Condition.....	4
3 TID Characterization Test Results	5
3.1 TID Characterization Summary Results.....	5
3.2 Data Sheet Electrical Parameter Characteristics.....	5
4 Applicable and Reference Documents	11
4.1 Applicable Documents.....	11
4.2 Reference Documents.....	11
A Appendix A: HDR Results Report at 100krad(Si)	11
B Revision History	12

List of Figures

Figure 1-1. TPS7H4011-SP Device Used in Exposure.....	2
Figure 2-1. TPS7H4011-SP Bias Diagram.....	3

List of Tables

Table 1-1. Device and Exposure Details.....	2
Table 2-1. HDR: Biased Device Information.....	4
Table 2-2. HDR: Unbiased Device Information.....	4
Table 3-1. Data Sheet Electrical Parameter Characteristics.....	5

Trademarks

All trademarks are the property of their respective owners.

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 <ul style="list-style-type: none"> • Five biased and five unbiased units at 3krad (Si) levels • Five biased and five unbiased units at 10krad (Si) levels • Five biased and five unbiased units at 30krad (Si) levels • Five biased and five unbiased units at 50krad (Si) levels • Five biased and five unbiased units at 100krad (Si) levels • Three control/correlation units with no exposure
HDR Radiation Facility	Texas Instruments, Dallas, TX
HDR Dose Level	100krad(Si)
HDR Dose Rate	179.791 rads(Si)/s ionizing radiation dose rate ¹
HDR Radiation Source	Gamma cell Co-60
Irradiation Temperature	Ambient, room temperature controlled to 25°C (±6°C) per MIL-STD-883 and MIL-STD-750.

1. 100krad 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.

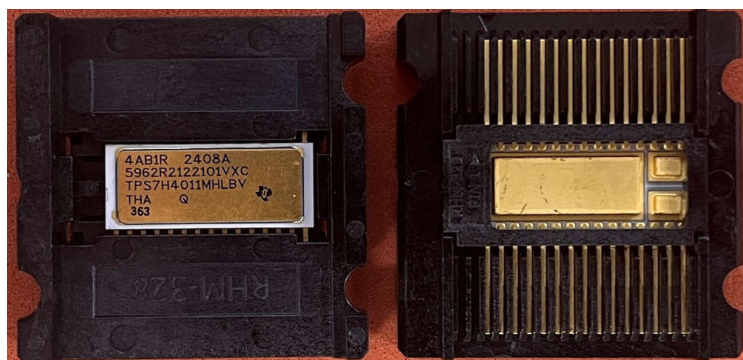


Figure 1-1. TPS7H4011-SP Device Used in Exposure

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.

2.3 Test Setup Details

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

2.3.1 Unbiased

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

2.3.2 Biased

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

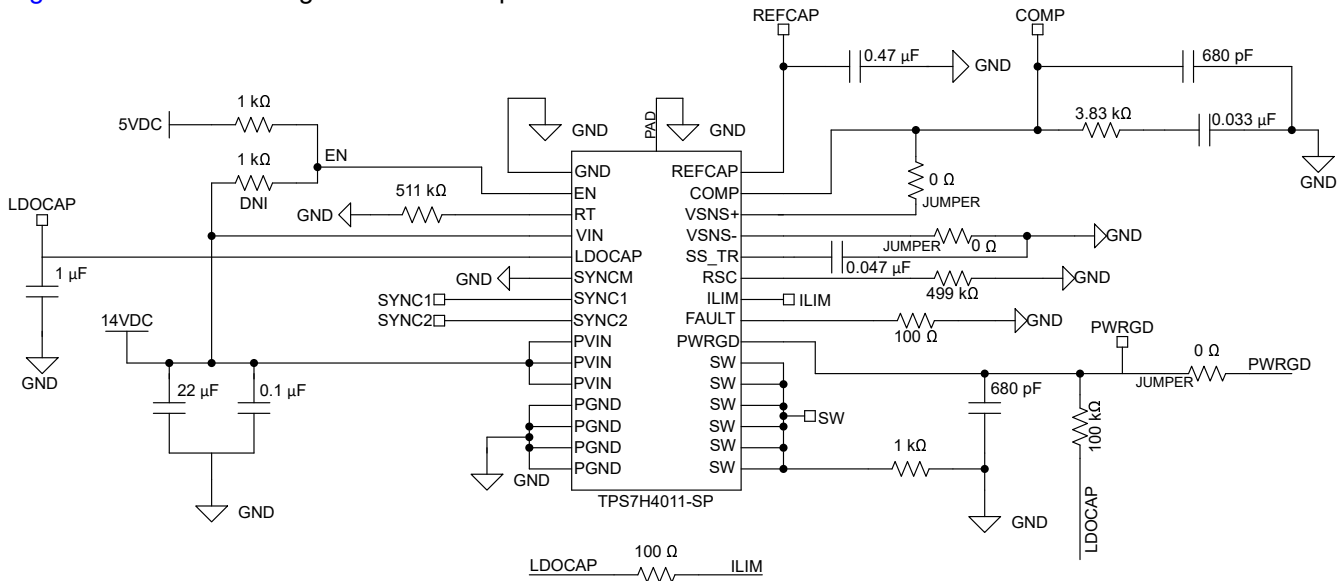


Figure 2-1. TPS7H4011-SP Bias Diagram

2.4 Biased Test Configuration and Condition

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

Table 2-1. HDR: Biased Device Information

Total Samples: 25				
Exposure Levels				
3 krad(Si)	10 krad(Si)	30 krad(Si)	50 krad(Si)	100 krad(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				
3 krad(Si)	10 krad(Si)	30 krad(Si)	50 krad(Si)	100 krad(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

3 TID Characterization Test Results

3.1 TID Characterization Summary Results

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

Overall, the TPS7H4011-SP showed a strong degree of hardness to HDR TID irradiation up to 100krad(Si) for both biased and unbiased exposure conditions. The measurements taken post-irradiation for each sample set showed a marginal shift for most parameters at each dose level for both biased and unbiased. The parameters that did show a greater degree of change 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).

3.2 Data Sheet Electrical Parameter Characteristics

Over $4.5V \leq V_{IN} \leq 14V$, $PV_{IN} = V_{IN}$, $VSNS- = 0V$, open loop configuration, $I_{OUT} = 0A$, $T_A = 25^\circ C$, 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)	$V_{EN} = 7V$, $V_{SENSE} = 1V$	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 propagation 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	

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

PARAMETER		TEST CONDITIONS		SUB-GROUP	MIN	TYP	MAX	UNIT	TEST NUMBERS
$t_{\text{FAULT}(\text{delay})}$	FAULT delay duration			9, 10, 11	26	31	44	$(1/f_{\text{sw}})$ 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	$T_A = -55^\circ\text{C}$	3	0.595	0.598	0.603	V	17.3, 17.11, 17.19, 17.27
			$T_A = 25^\circ\text{C}$	1	0.596	0.6	0.603		
			$T_A = 125^\circ\text{C}$	2	0.596	0.599	0.603		
$V_{\text{REF}(\text{internal})}$	Internal voltage reference (without error amplifier included)	$V_{\text{REF}(\text{internal})} = V_{\text{SS_TR}} - V_{\text{SNS-}}$		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)	$C_{\text{REFCAP}} = 470\text{nF}$		1, 2, 3	1.184	1.2	1.222	V	12.5, 12.10, 12.15, 12.20
$I_{\text{VSNS+}(\text{LKG})}$	VSNS+ input leakage current	$V_{\text{SNS+}} = 0.6\text{V}$		1, 2, 3		10	30	nA	17.5, 17.13, 17.21, 17.29
$I_{\text{VSNS-}}$	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	$V_{\text{SENSE}} = 0.6\text{V}$		1, 2, 3	-2.3		2.9	mV	17.2, 17.10, 17.18, 17.26
g_{mEA}	Error amplifier transconductance	$-10\mu\text{A} < I_{\text{COMP}} < 10\mu\text{A}$, $V_{\text{COMP}} = 1\text{V}$	$T_A = -55^\circ\text{C}$	11	1400	2050	2700	μS	18.1, 18.4, 18.7, 18.10
			$T_A = 25^\circ\text{C}$	9	1200	1650	2100		
			$T_A = 125^\circ\text{C}$	10	1000	1250	1500		
EA_{DC}	Error amplifier DC gain	$V_{\text{SENSE}} = 0.6\text{V}$				11500		V/V	
EA_{ISRC}	Error amplifier source	$V_{\text{COMP}} = 1\text{V}$, 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		
EA_{Ro}	Error amplifier output resistance					7		M Ω	
EA_{BW}	Error amplifier bandwidth					9		MHz	
g_{mps}	Power stage transconductance, 18.3A (typ) current limit	$I_{\text{OUT}} = 12$, $ILM = AVDD$	$T_A = -55^\circ\text{C}$	3	14.4	19.4	24.8	S	20.12, 20.46, 20.80, 20.114
			$T_A = 25^\circ\text{C}$	1	15.2	20.4	26.1		
			$T_A = 125^\circ\text{C}$	2	16	21	27		
g_{mps}	Power stage transconductance, 13.4A (typ) current limit	$I_{\text{OUT}} = 9\text{A}$, $R_{\text{ILIM_TOP}} = 49.9\text{k}\Omega$, $R_{\text{ILIM_BOT}} = 100\text{k}\Omega$	$T_A = -55^\circ\text{C}$	3	9.3	13.3	17	S	20.13, 20.47, 20.81, 20.115
			$T_A = 25^\circ\text{C}$	1	9.6	13.8	17.5		
			$T_A = 125^\circ\text{C}$	2	9.7	14	18.1		
g_{mps}	Power stage transconductance, 18.3A (typ) current limit	$V_{\text{COMP}} = 0.6\text{V}$, $ILIM = AVDD$		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	$V_{\text{COMP}} = 0.65\text{V}$, $R_{\text{ILIM_TOP}} = 49.9\text{k}\Omega$, $R_{\text{ILIM_BOT}} = 100\text{k}\Omega$		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	$V_{\text{COMP}} = 0.65\text{V}$, $R_{\text{ILIM_TOP}} = 100\text{k}\Omega$, $R_{\text{ILIM_BOT}} = 49.9\text{k}\Omega$		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	$V_{\text{COMP}} = 0.75\text{V}$, $ILIM = GND$		1, 2, 3	4.6	7.2	9.2	S	20.21, 20.55, 20.89, 20.123

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(Ikg)}	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%, V _{SNS-} = 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

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	$f_{SW} = 100\text{kHz}$, ILIM = AVDD	$R_{SC} = 1.1\text{M}\Omega$			-0.7		A/ μs		
			$R_{SC} = 80.6\text{k}\Omega$			-8.8				
		$f_{SW} = 500\text{kHz}$, ILIM = AVDD	$R_{SC} = 196\text{k}\Omega$			-4.2				
			$R_{SC} = 1.1\text{M}\Omega$			-1.2				
		$f_{SW} = 1000\text{kHz}$, ILIM = AVDD	$R_{SC} = 80.6\text{k}\Omega$			-10.5				
			$R_{SC} = 196\text{k}\Omega$			-5.1				
		$R_{SC} = 1.1\text{M}\Omega$			-2.1					
	Slope compensation with 13.4A (typ) current limit	$f_{SW} = 500\text{kHz}$, $R_{ILIM_TOP} = 49.9\text{k}\Omega$, $R_{ILIM_BOT} = 100\text{k}\Omega$	$R_{SC} = 196\text{k}\Omega$			-3.2		A/ μs		
	Slope compensation with 9A (typ) current limit	$f_{SW} = 500\text{kHz}$, $R_{ILIM_TOP} = 100\text{k}\Omega$, $R_{ILIM_BOT} = 49.9\text{k}\Omega$	$R_{SC} = 196\text{k}\Omega$			-2.4		A/ μs		
	Slope compensation with 5.6A (typ) current limit	$f_{SW} = 500\text{kHz}$, ILIM = GND	$R_{SC} = 196\text{k}\Omega$			-1.8		A/ μs		
MINIMUM ON TIME AND DEAD TIME										
$t_{on(min)}$	Minimum on time	50% to 50% of VIN, $I_{SW} = 2\text{A}$	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	$I_{SW} = 2\text{A}$				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	$R_{RT} = 511\text{k}\Omega$		4, 5, 6	90	100	120	kHz	24.14, 24.15, 24.54, 24.55, 24.94, 24.95, 24.134, 24.135	
			$R_{RT} = 90.9\text{k}\Omega$		4, 5, 6	450	500		550	24.26, 24.27, 24.66, 24.67, 24.106, 24.107, 24.146, 24.147
		$R_{RT} = 40.2\text{k}\Omega$	VIN = 4.5V	4, 5, 6	850	1000	1150		24.28, 24.29	
			$5\text{V} \leq \text{VIN} \leq 14\text{V}$	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%)	Load = 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%)	Load = 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

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, IOU = 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, IOU = 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, IOU = 12A			184						
V _{SYNC(OH)}	SYNC1, SYNC2 output high	SNYCM = GND, IOH = 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 _{SYNC(OL)}	SYNC1, SYNC2 output low	SYNCM = GND, IO _L = 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	

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

PARAMETER		TEST CONDITIONS		SUB-GROUP	MIN	TYP	MAX	UNIT	TEST NUMBERS
V _{IN(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)	P _{VIN} = V _{IN} = 4.5V	T _A = -55°C	3		38	53	mΩ	20.2,20.3
			T _A = 25°C	1		50	61		
			T _A = 125°C	2		64	79		
		P _{VIN} = V _{IN} = 5V	T _A = -55°C	3		36	50		20.36, 20.37
			T _A = 25°C	1		48	60		
			T _A = 125°C	2		62	73		
		P _{VIN} = V _{IN} = 12V	T _A = -55°C	3		34	45		20.70, 20.71
			T _A = 25°C	1		45	53		
			T _A = 125°C	2		59	67		
		P _{VIN} = V _{IN} = 14V	T _A = -55°C	3		34	45		20.104,20.105
			T _A = 25°C	1		45	53		
			T _A = 125°C	2		59	67		
R _{DS_ON_LS}	Low-side switch resistance at I _{LS} = 12A (lead length ≈ 3mm)	P _{VIN} = V _{IN} = 4.5V	T _A = -55°C	3		25	40	mΩ	21.2,21.3
			T _A = 25°C	1		35	51		
			T _A = 125°C	2		51	61		
		P _{VIN} = V _{IN} = 5V	T _A = -55°C	3		23	35		21.8,21.9
			T _A = 25°C	1		33	45		
			T _A = 125°C	2		48	56		
		P _{VIN} = V _{IN} = 12V	T _A = -55°C	3		23	32		21.14, 21.15
			T _A = 25°C	1		33	42		
			T _A = 125°C	2		47	55		
		P _{VIN} = V _{IN} = 14V	T _A = -55°C	3		23	32		21.20, 21.21
			T _A = 25°C	1		33	42		
			T _A = 125°C	2		47	55		

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

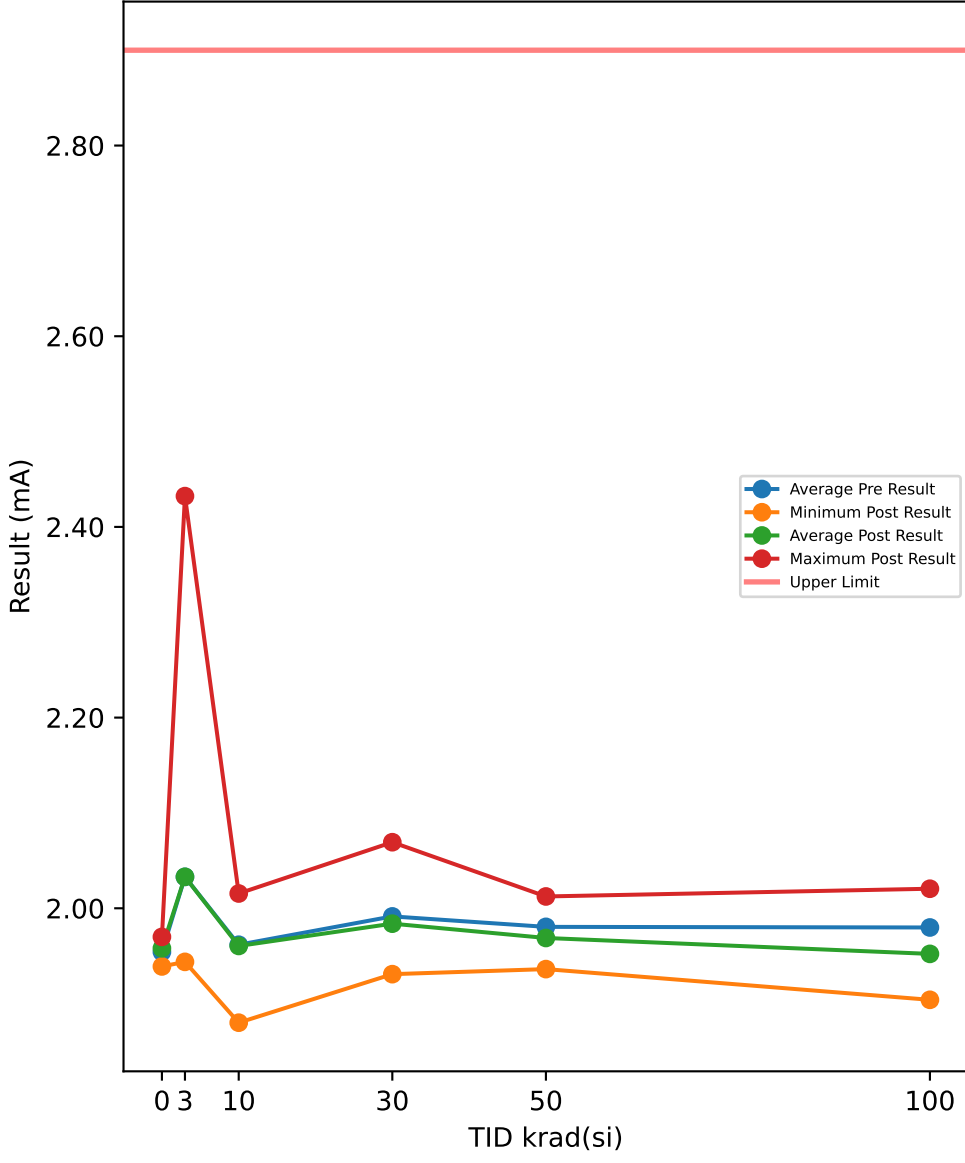
Texas Instruments total ionizing dose radiation (total dose) test procedure follows the standards put forth in MIL-STD-883 TM 1019. The document can be found at the DLA website.

A Appendix A: HDR Results Report at 100krad(Si)

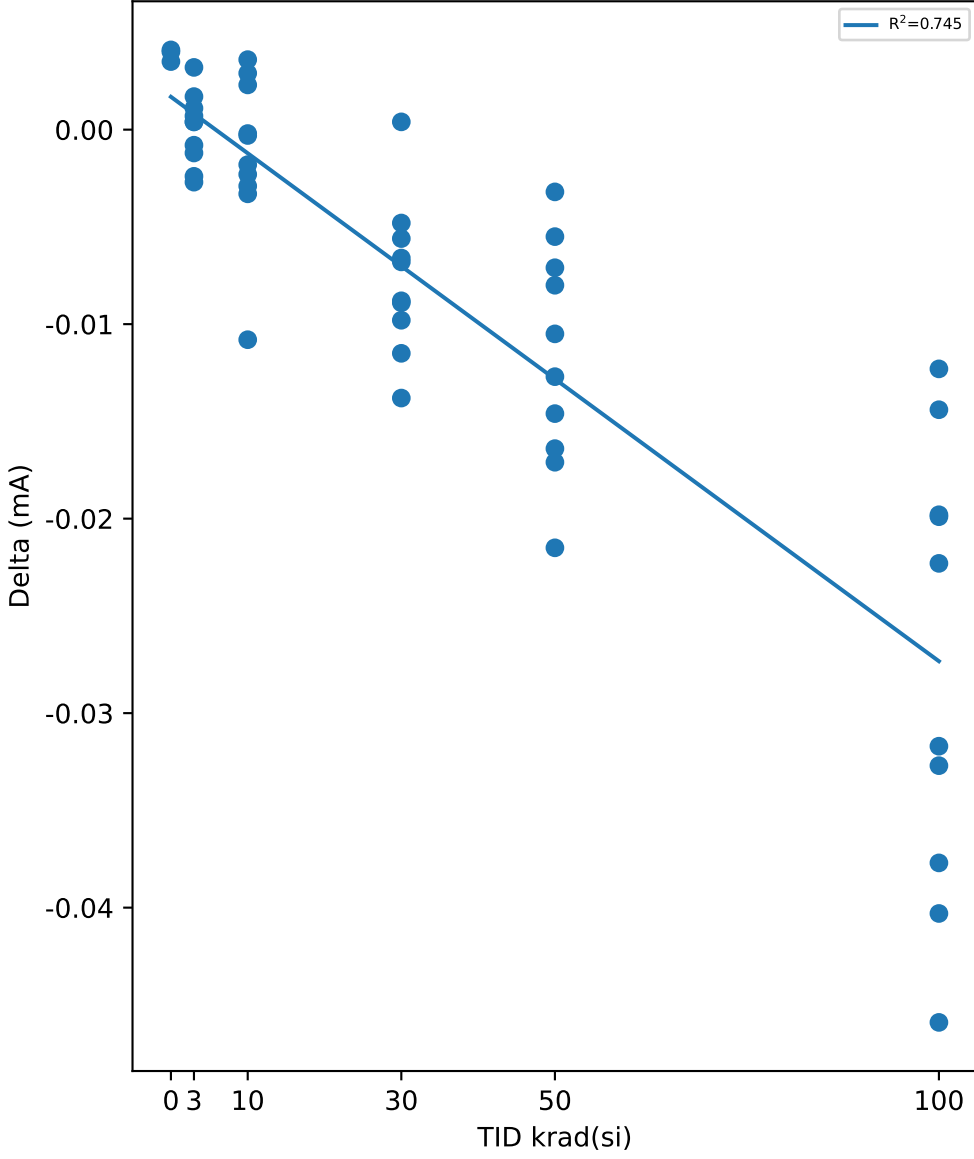
This appendix contains the HDR TID report data.

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

TID vs Result Stats



TID vs Post - Pre Exposure Delta



Test Results (Upper Limit = 2.9 (mA))

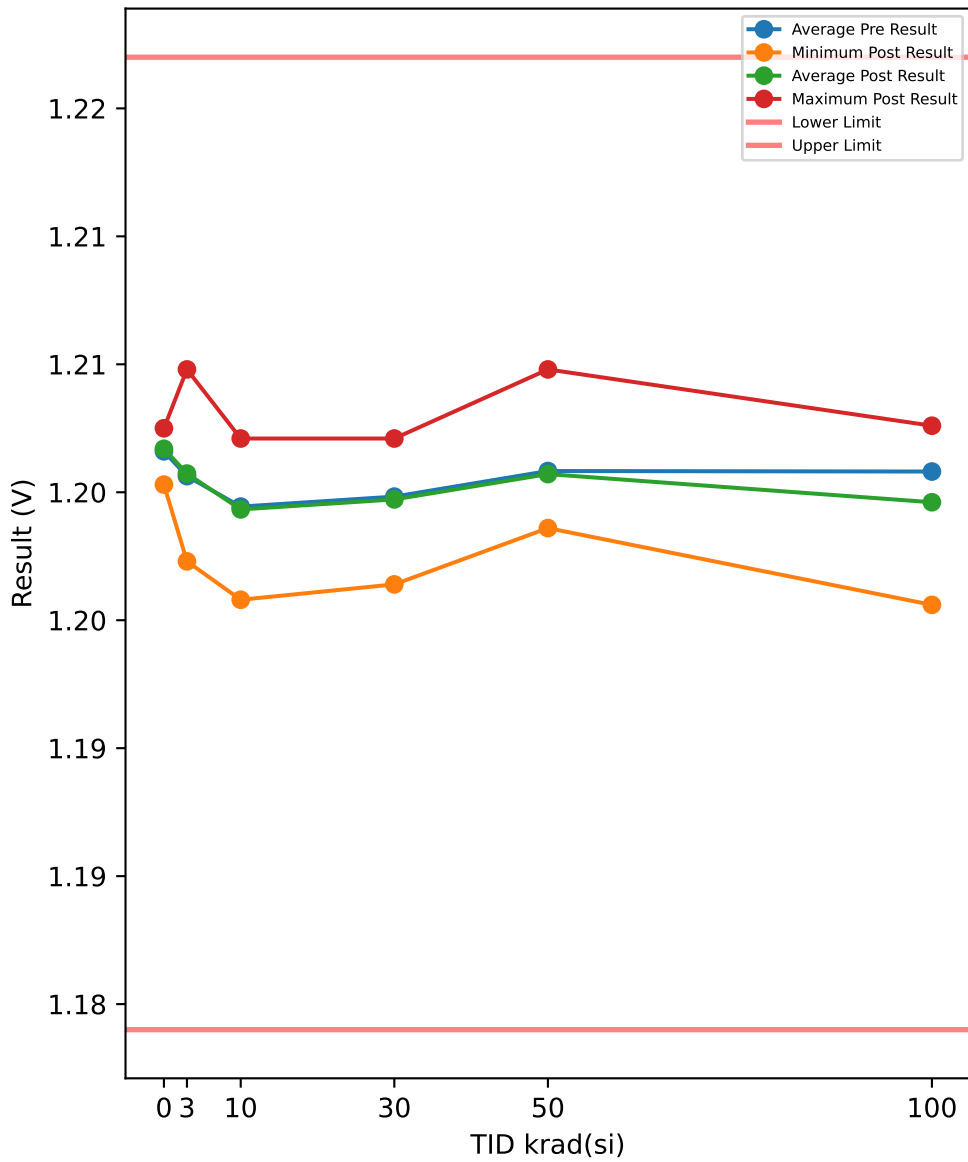
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
390	100	Biased	2.0346	2.0147	-0.0199
392	100	Biased	2.0349	2.0205	-0.0144
393	100	Biased	1.936	1.9162	-0.0198
394	100	Biased	2.0311	1.9994	-0.0317
395	100	Biased	1.9558	1.9435	-0.0123
412	100	Unbiased	1.9652	1.9325	-0.0327
413	100	Unbiased	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)

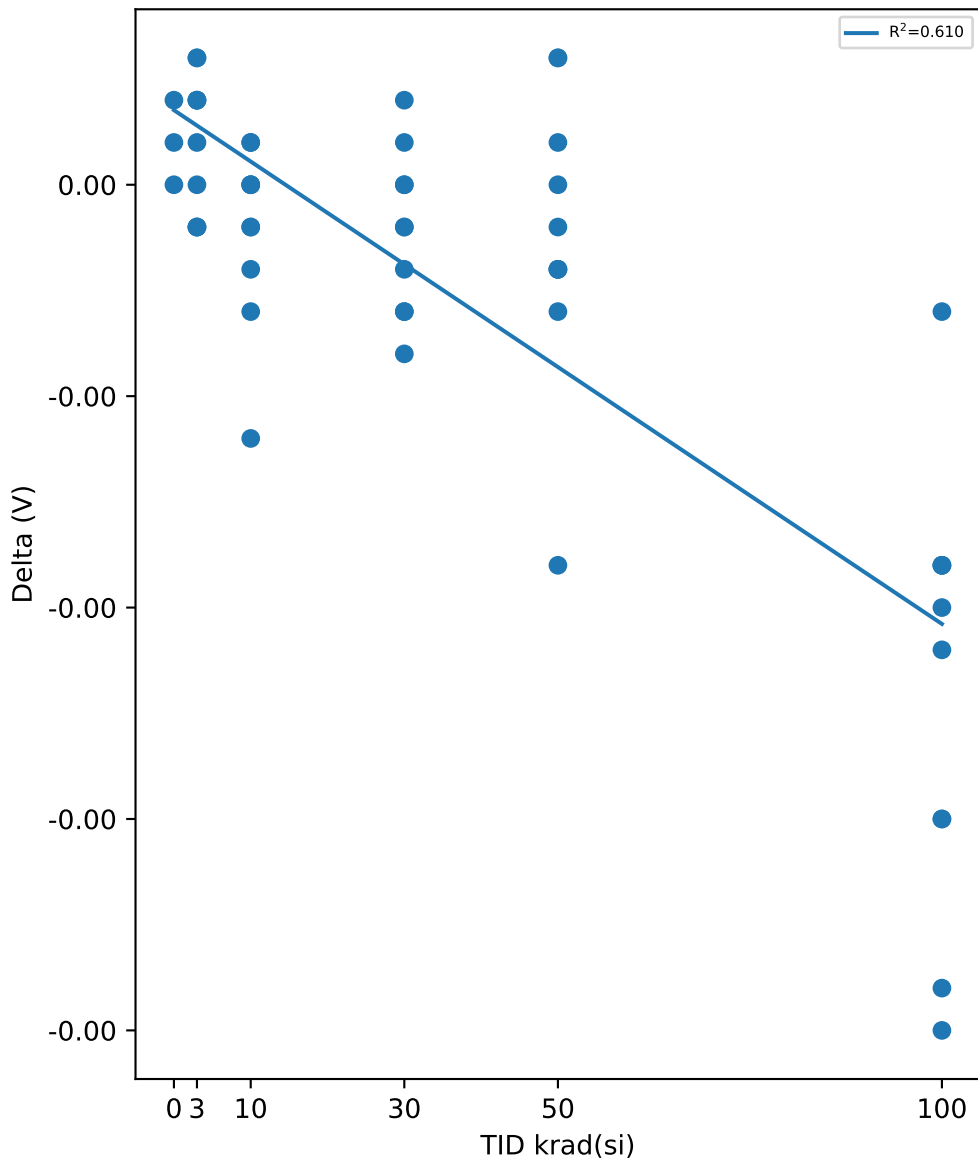
TID vs Result Stats



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

TID vs Post - Pre Exposure Delta

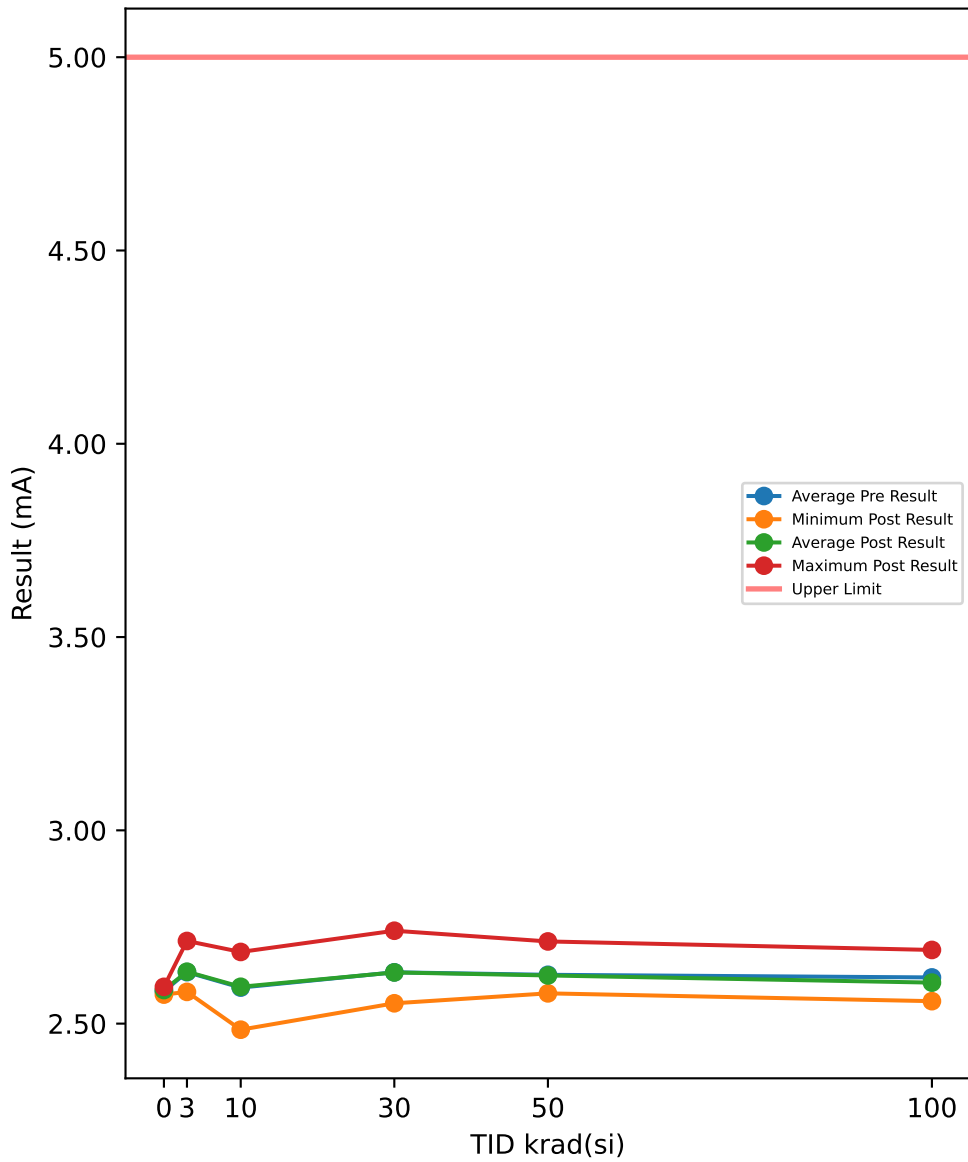


Test Statistics (V)

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	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)

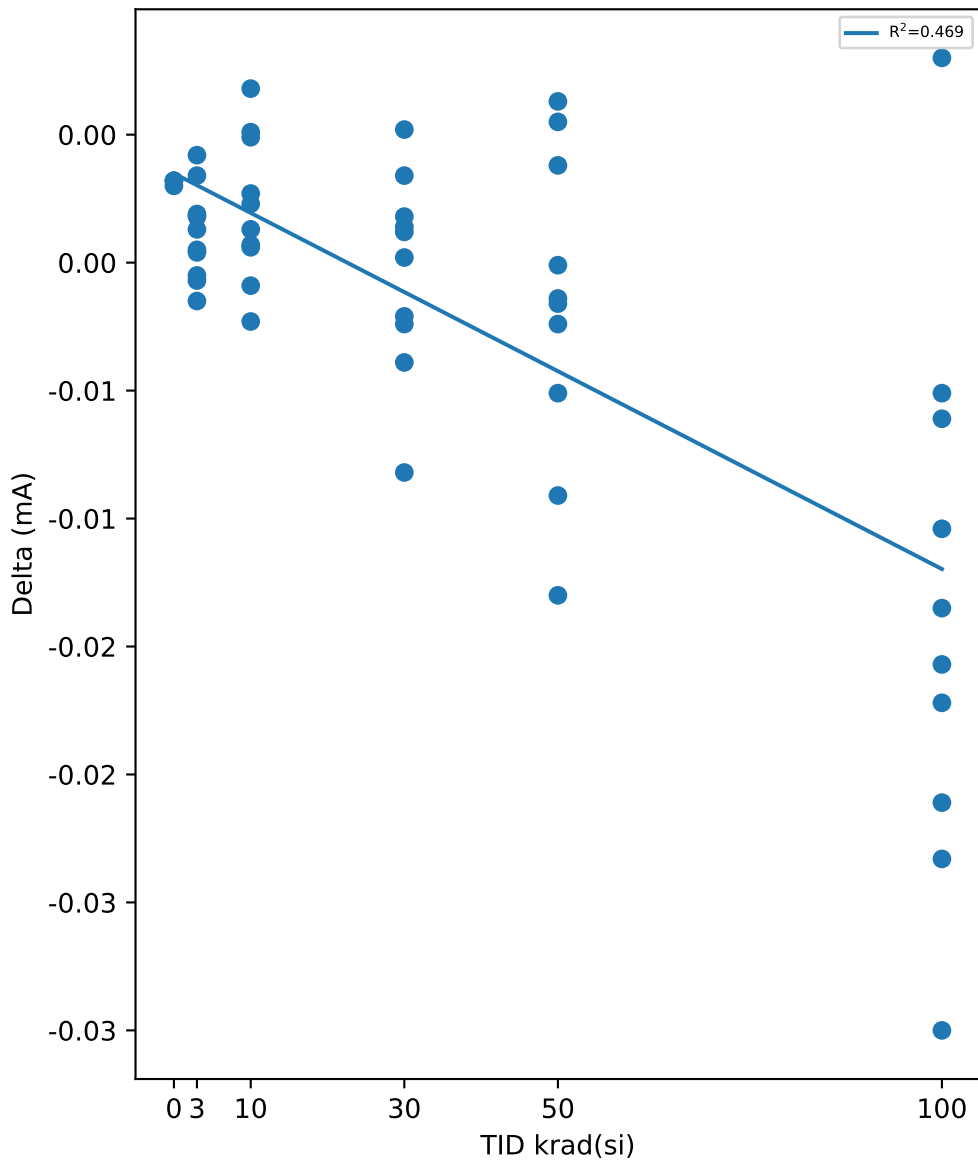
TID vs Result Stats



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

TID vs Post - Pre Exposure Delta

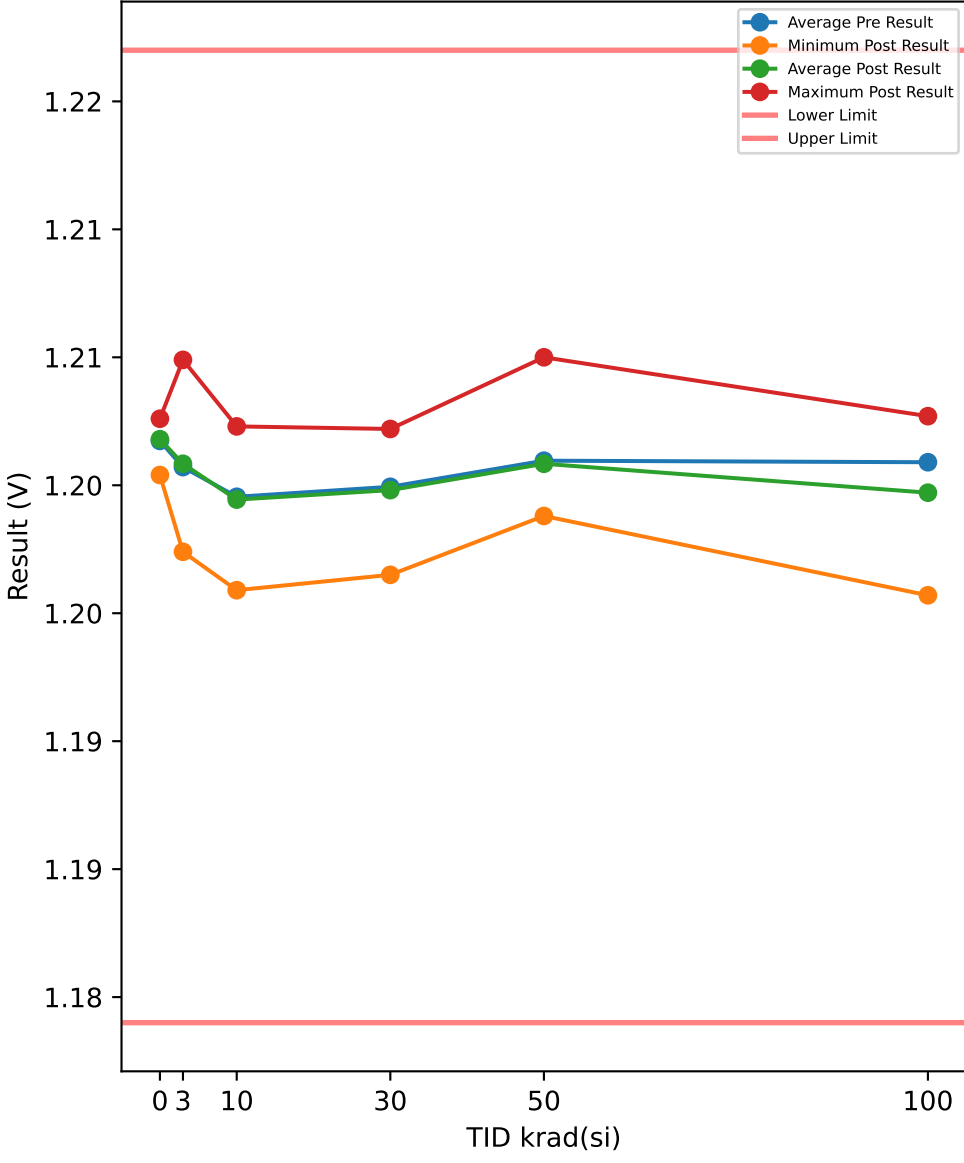


Test Statistics (mA)

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	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)

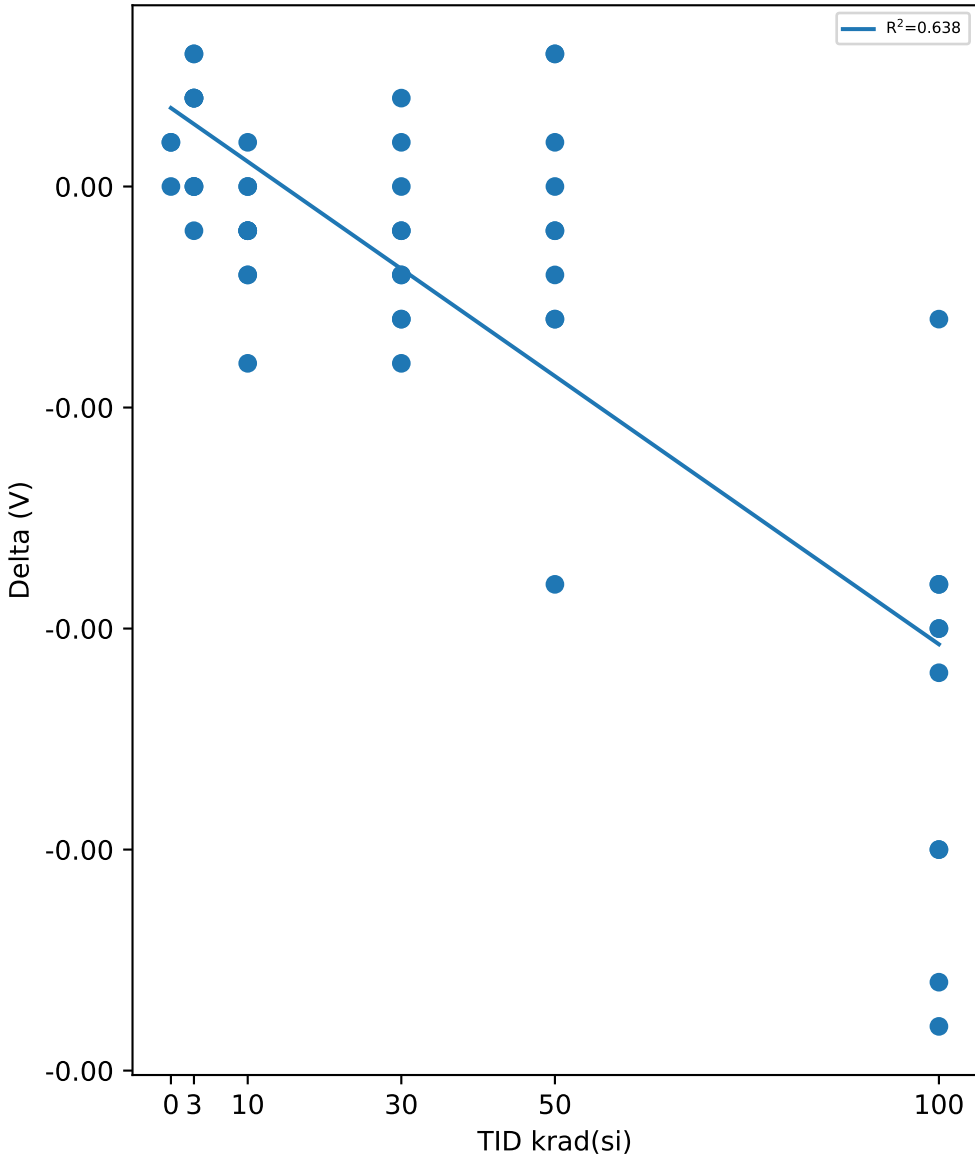
TID vs Result Stats



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

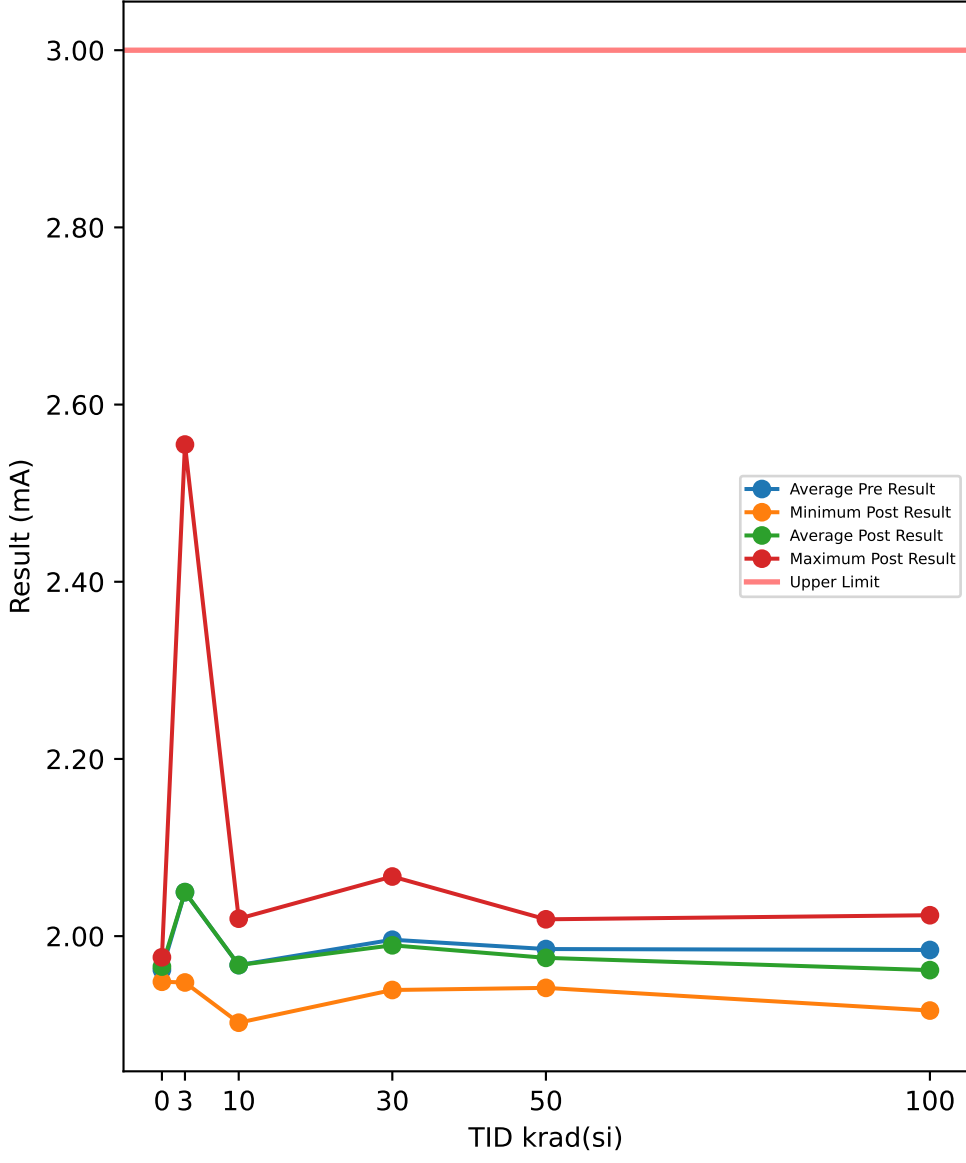
TID vs Post - Pre Exposure Delta



Test Statistics (V)

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	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

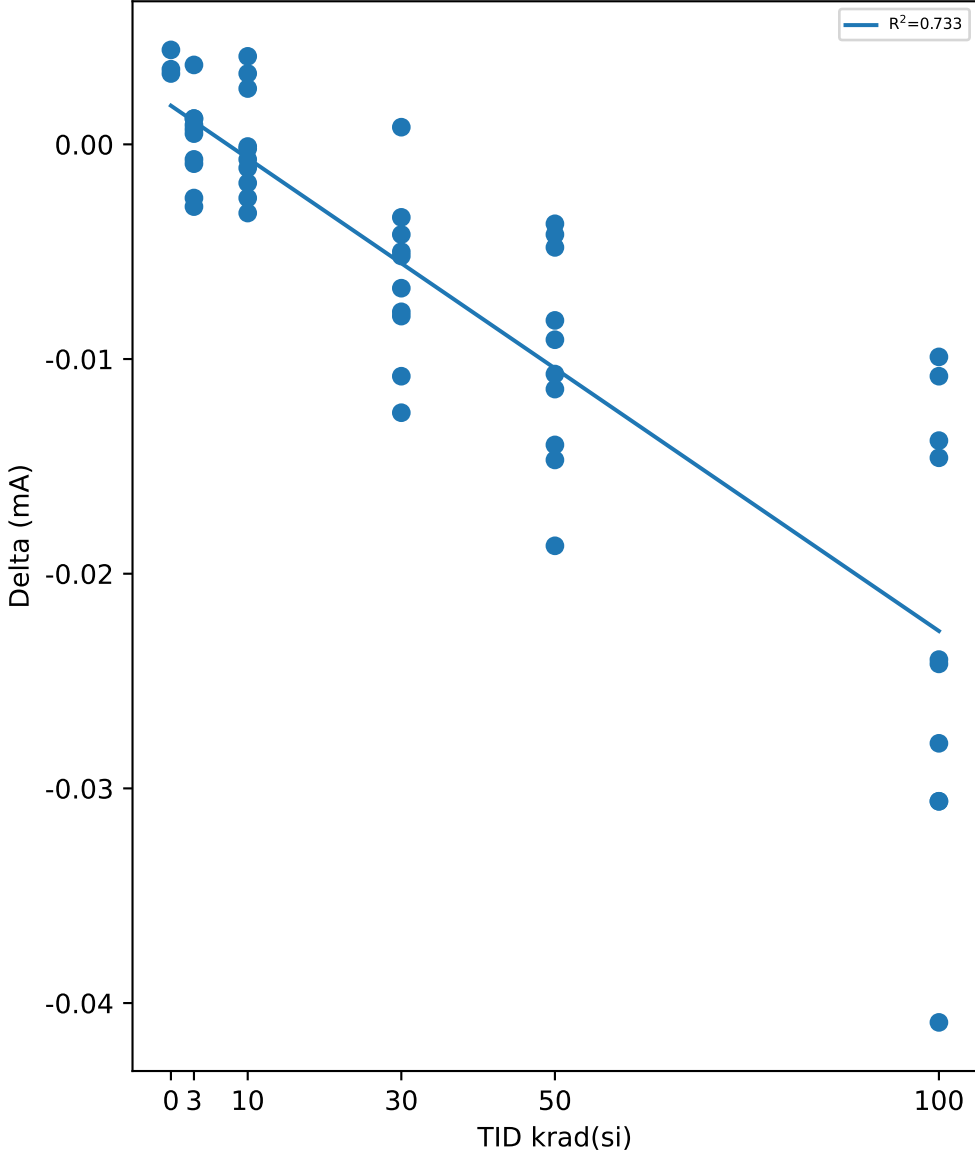
TID vs Result Stats



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

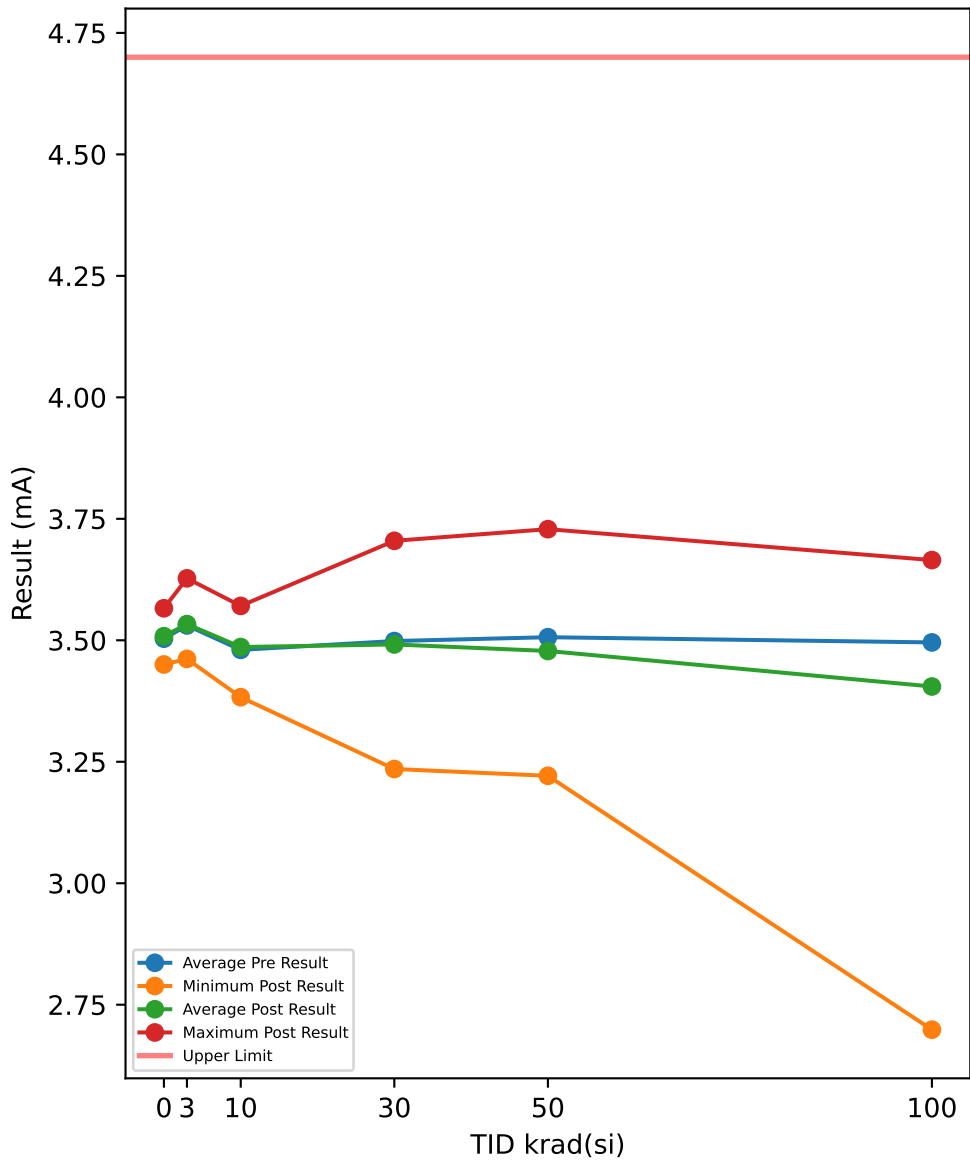
TID vs Post - Pre Exposure Delta



Test Statistics (mA)

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	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

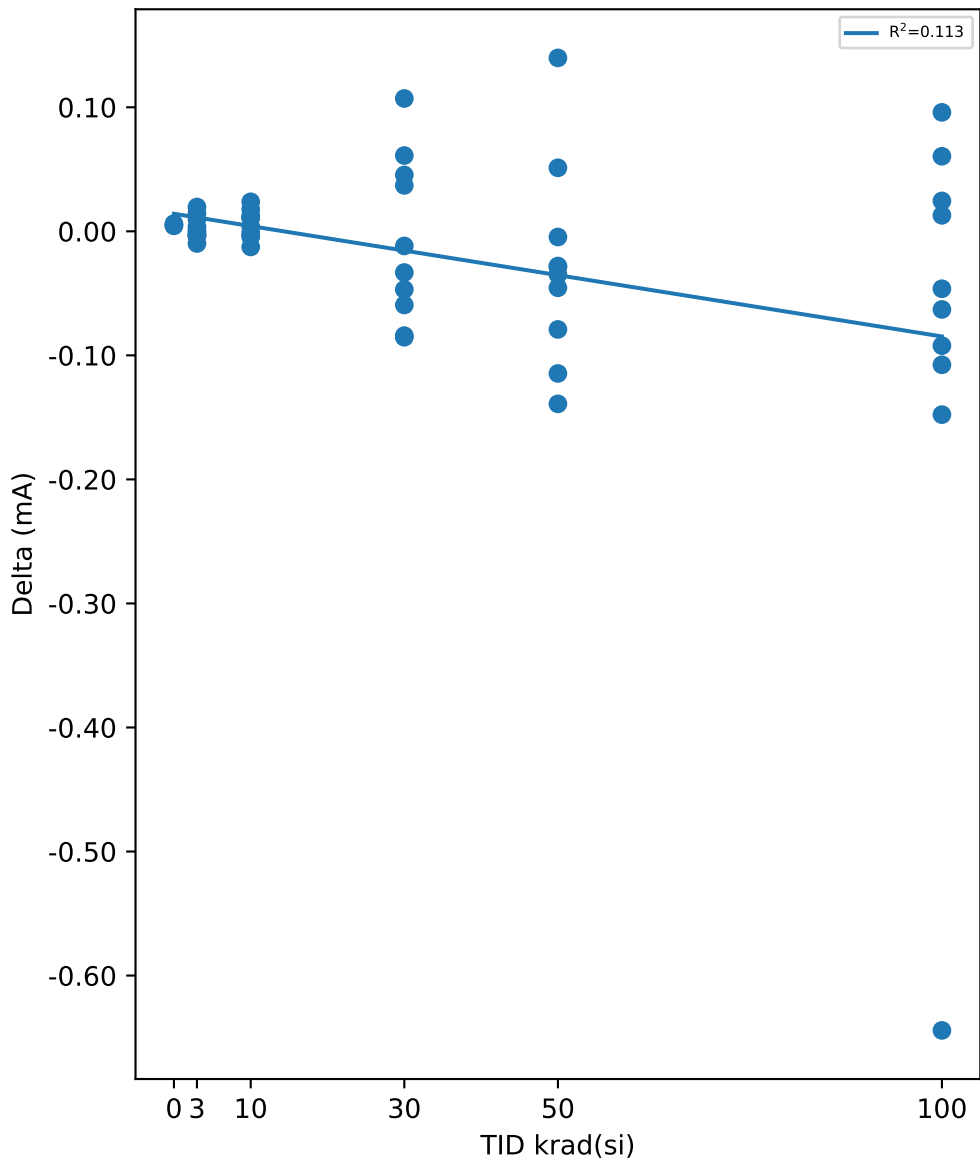
TID vs Result Stats



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

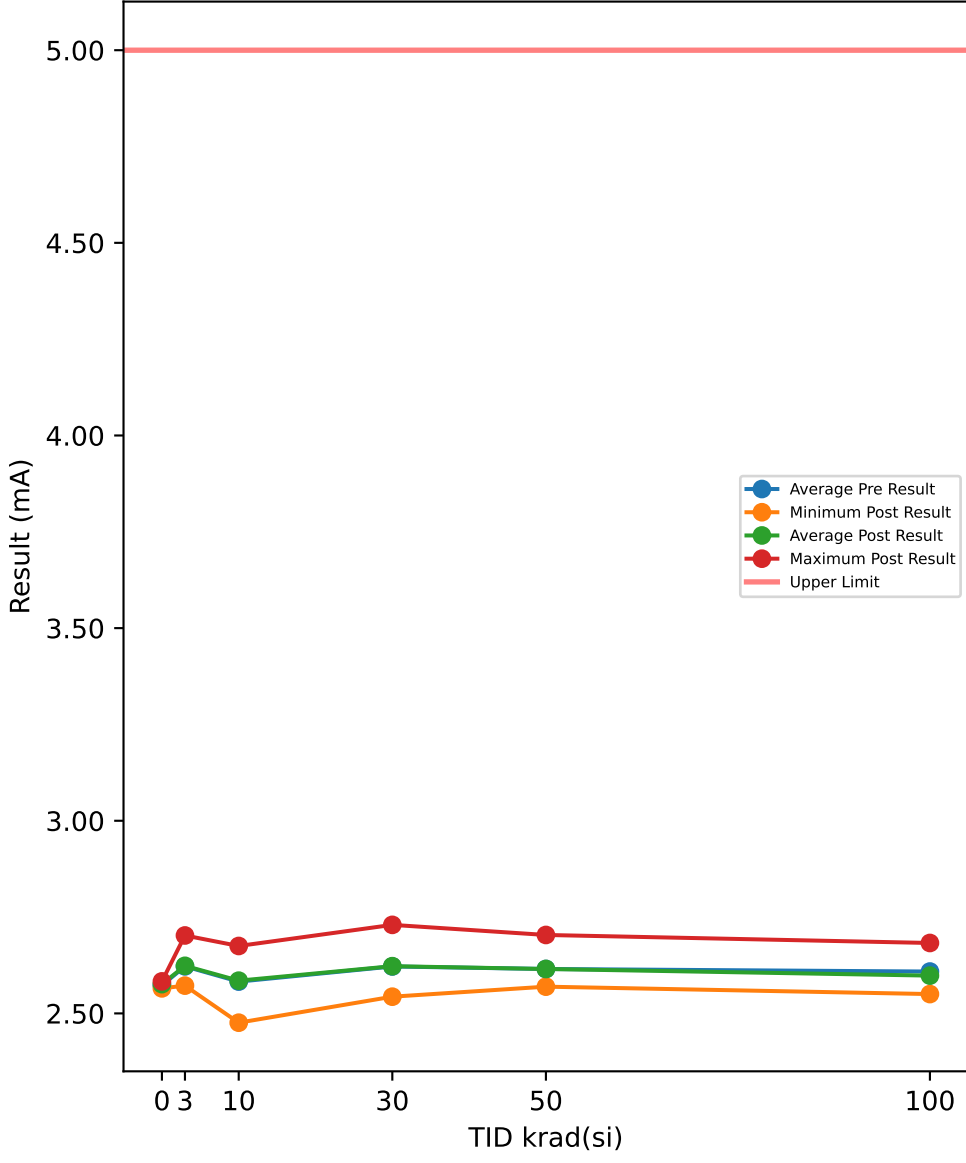
TID vs Post - Pre Exposure Delta



Test Statistics (mA)

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	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

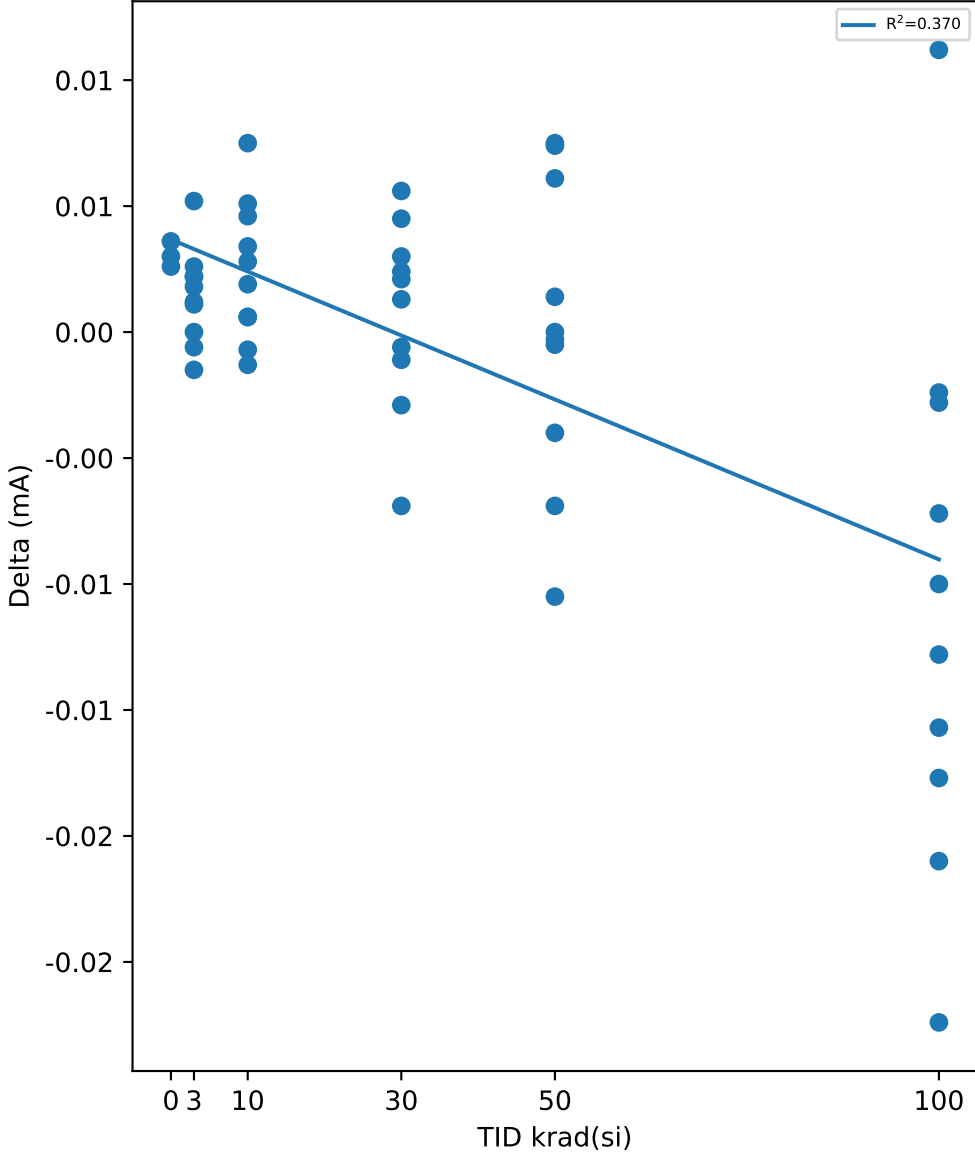
TID vs Result Stats



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

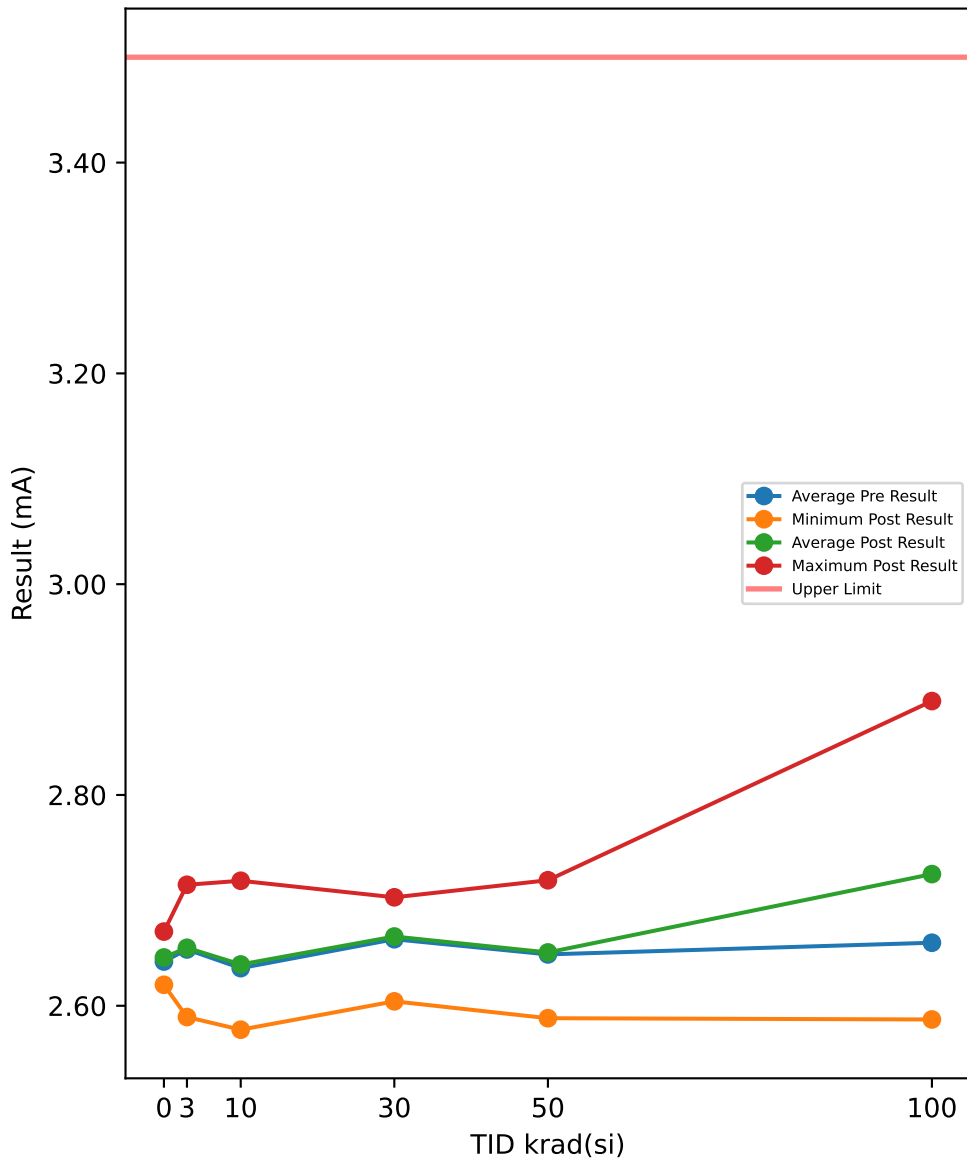
TID vs Post - Pre Exposure Delta



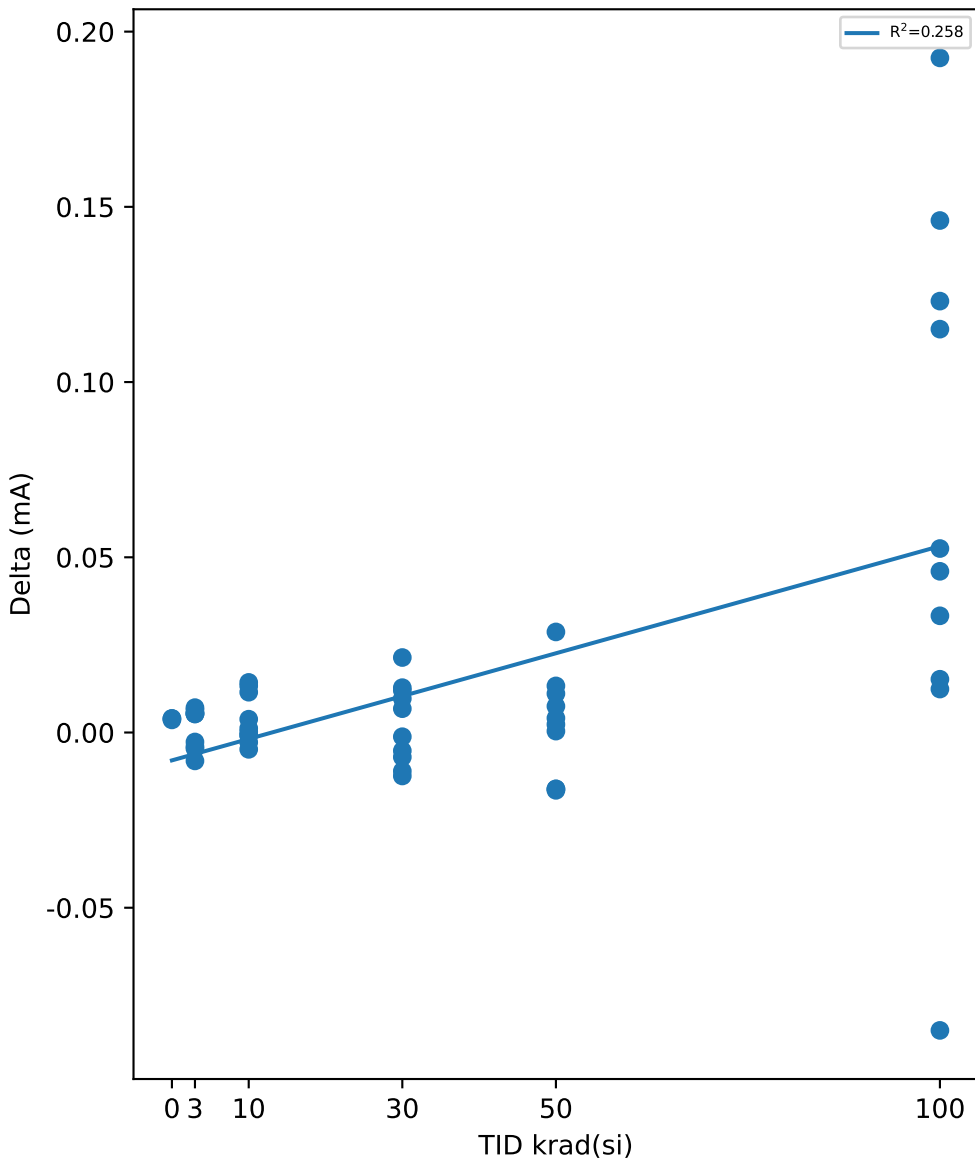
Test Statistics (mA)

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	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

TID vs Result Stats



TID vs Post - Pre Exposure Delta



Test Results (Upper Limit = 3.5 (mA))

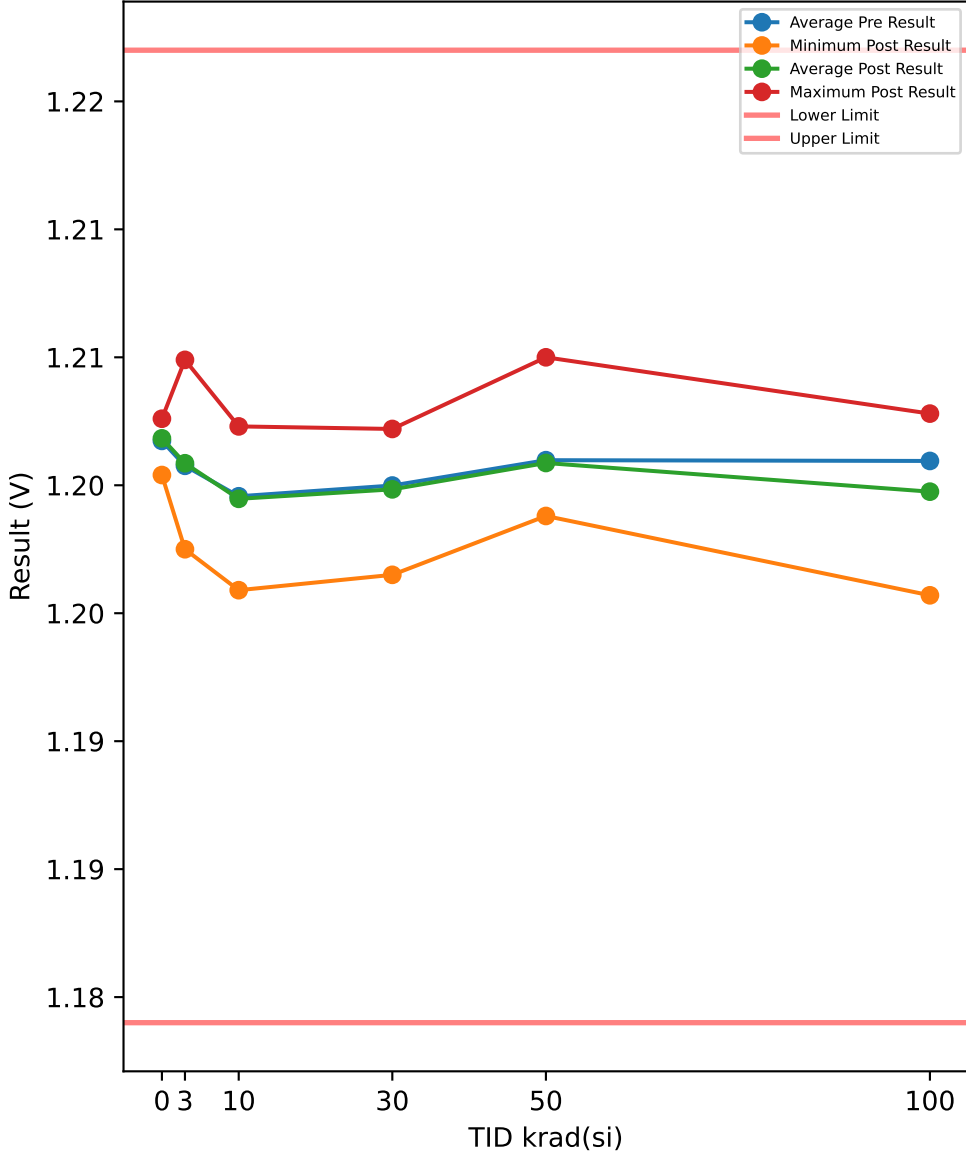
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
390	100	Biased	2.743	2.8891	0.1461
392	100	Biased	2.6999	2.823	0.1231
393	100	Biased	2.615	2.8075	0.1925
394	100	Biased	2.6597	2.7748	0.1151
395	100	Biased	2.6754	2.7214	0.046
412	100	Unbiased	2.6349	2.6501	0.0152
413	100	Unbiased	2.6204	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)

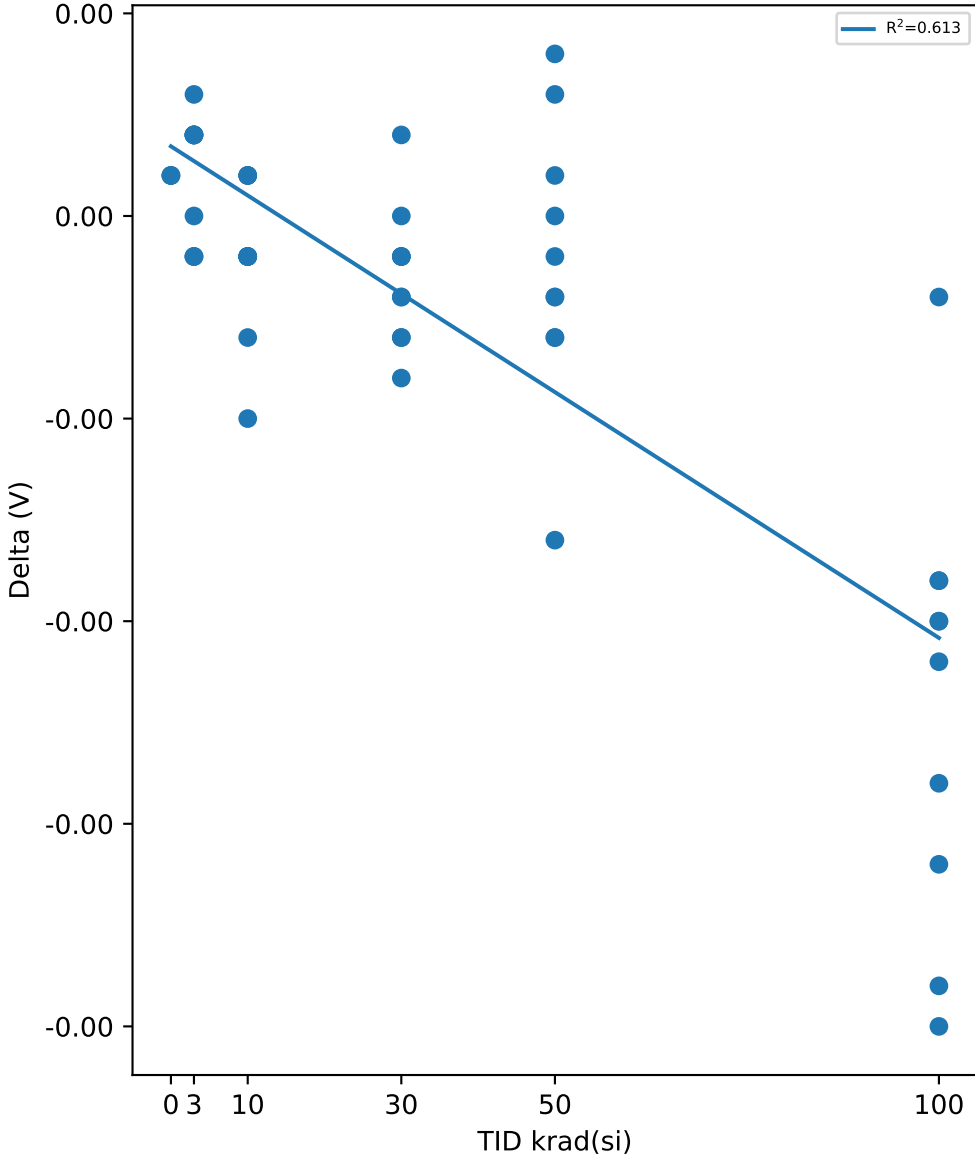
TID vs Result Stats



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

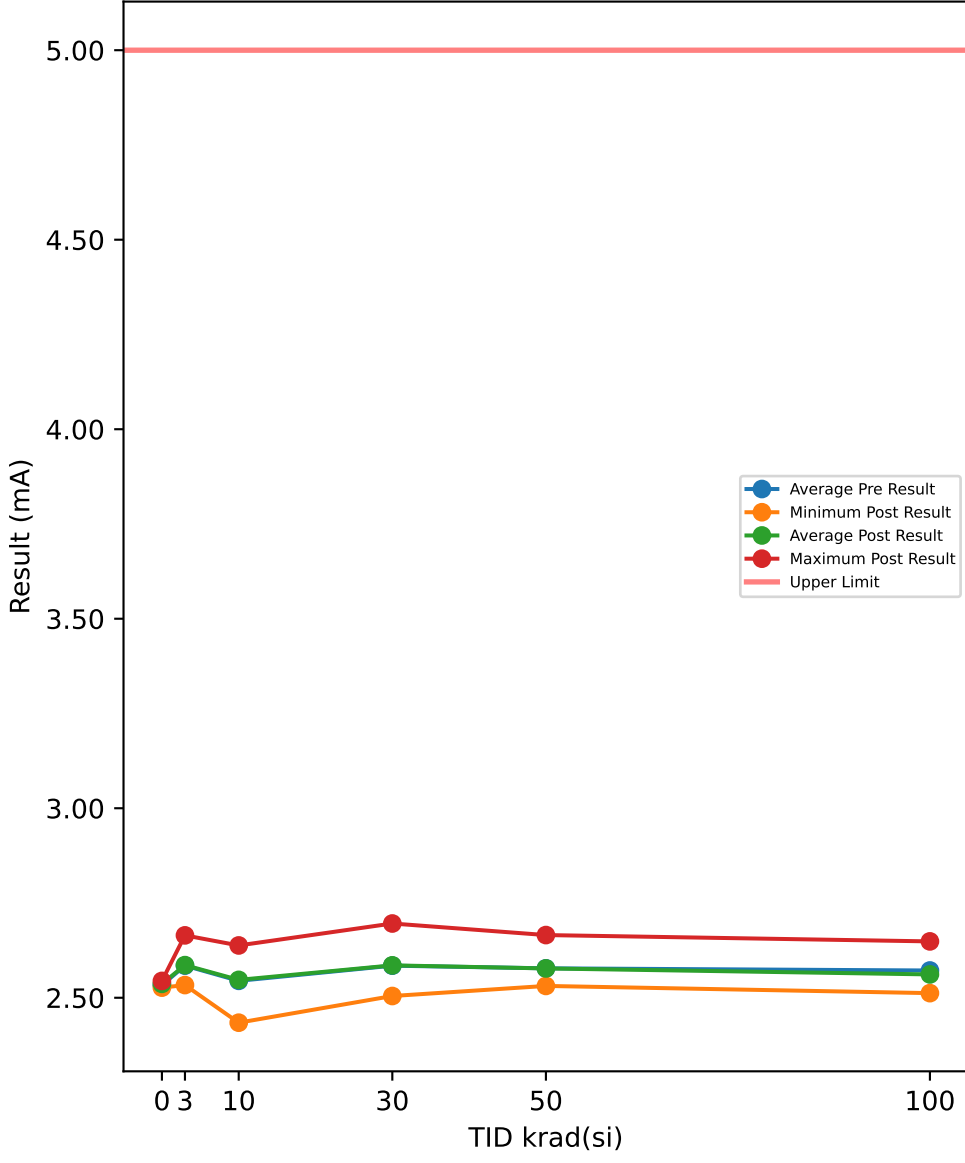
TID vs Post - Pre Exposure Delta



Test Statistics (V)

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	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

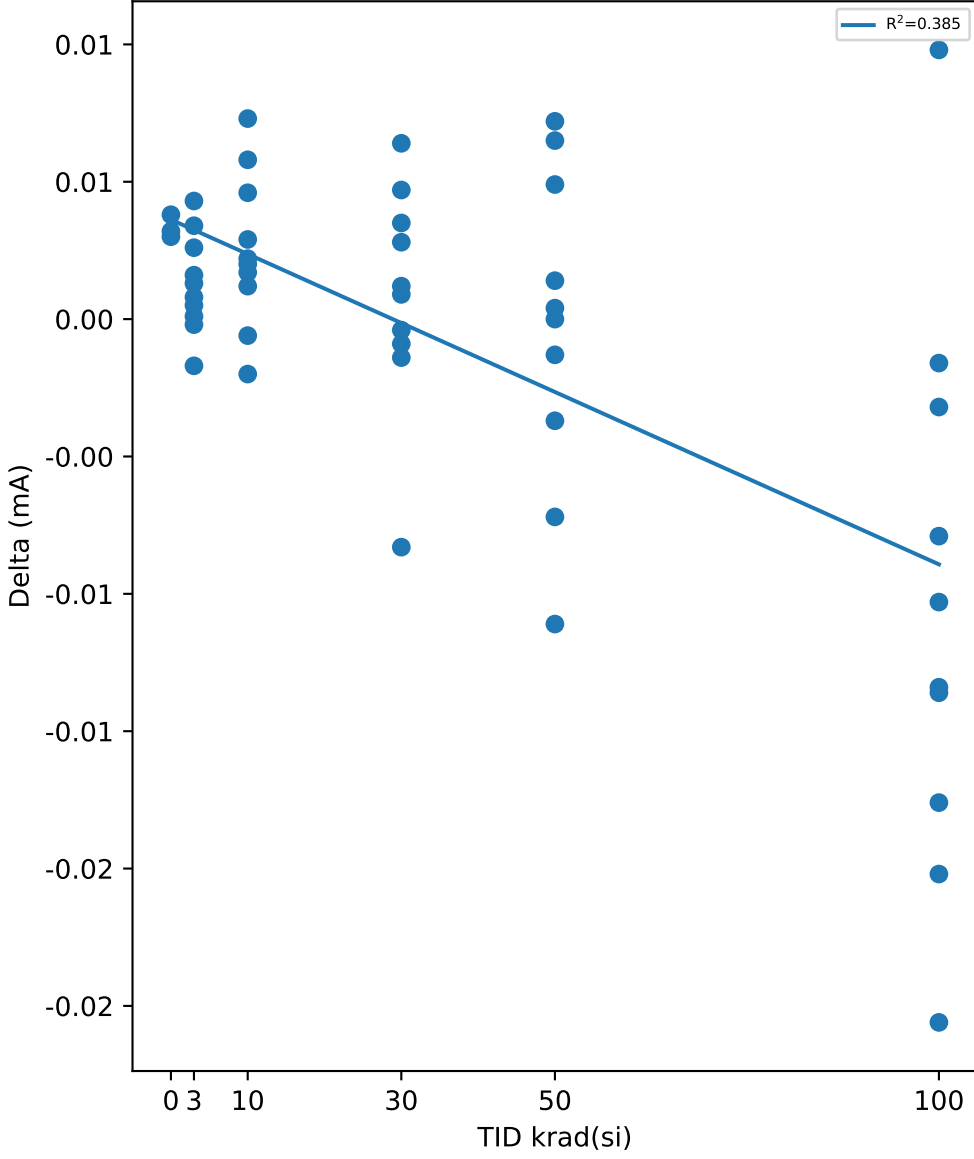
TID vs Result Stats



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

TID vs Post - Pre Exposure Delta

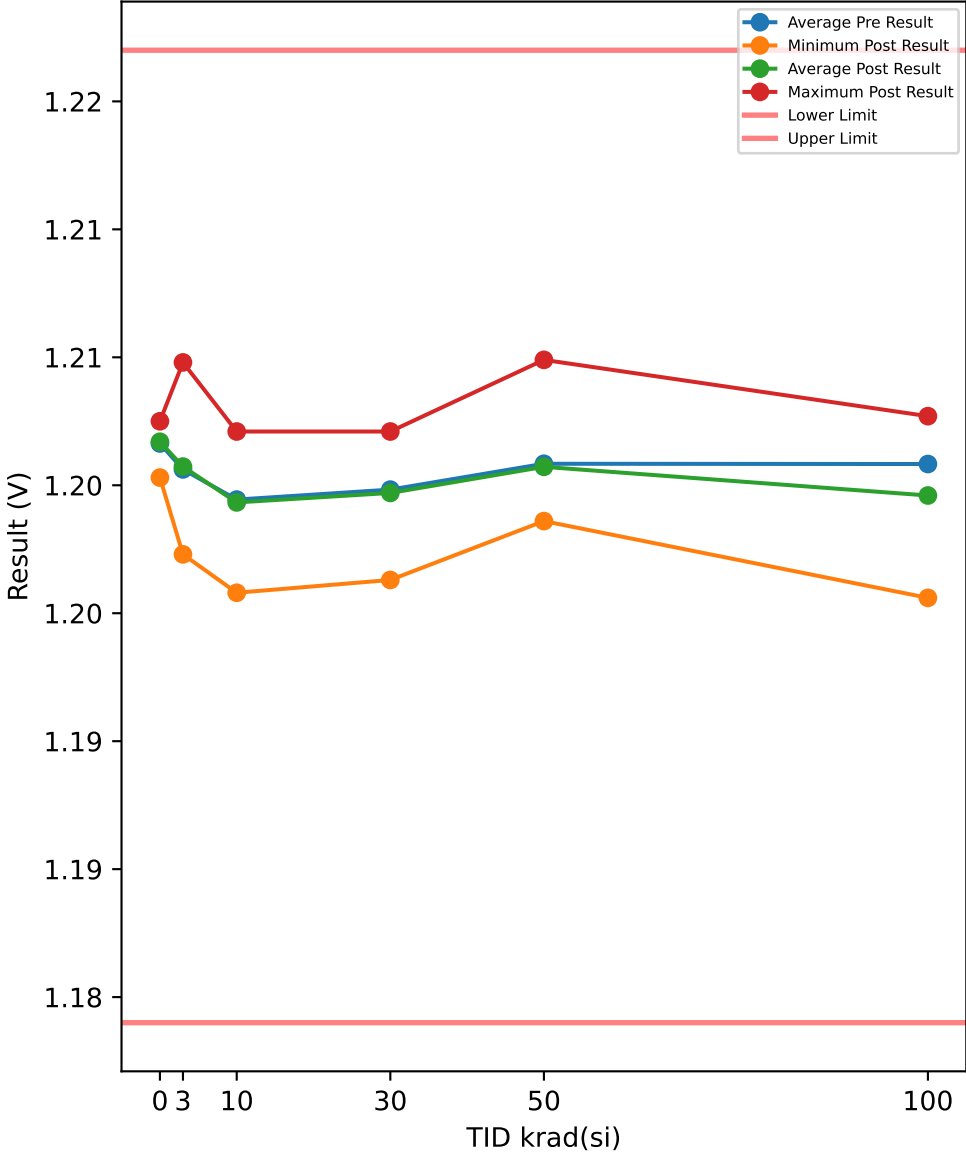


Test Statistics (mA)

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	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)

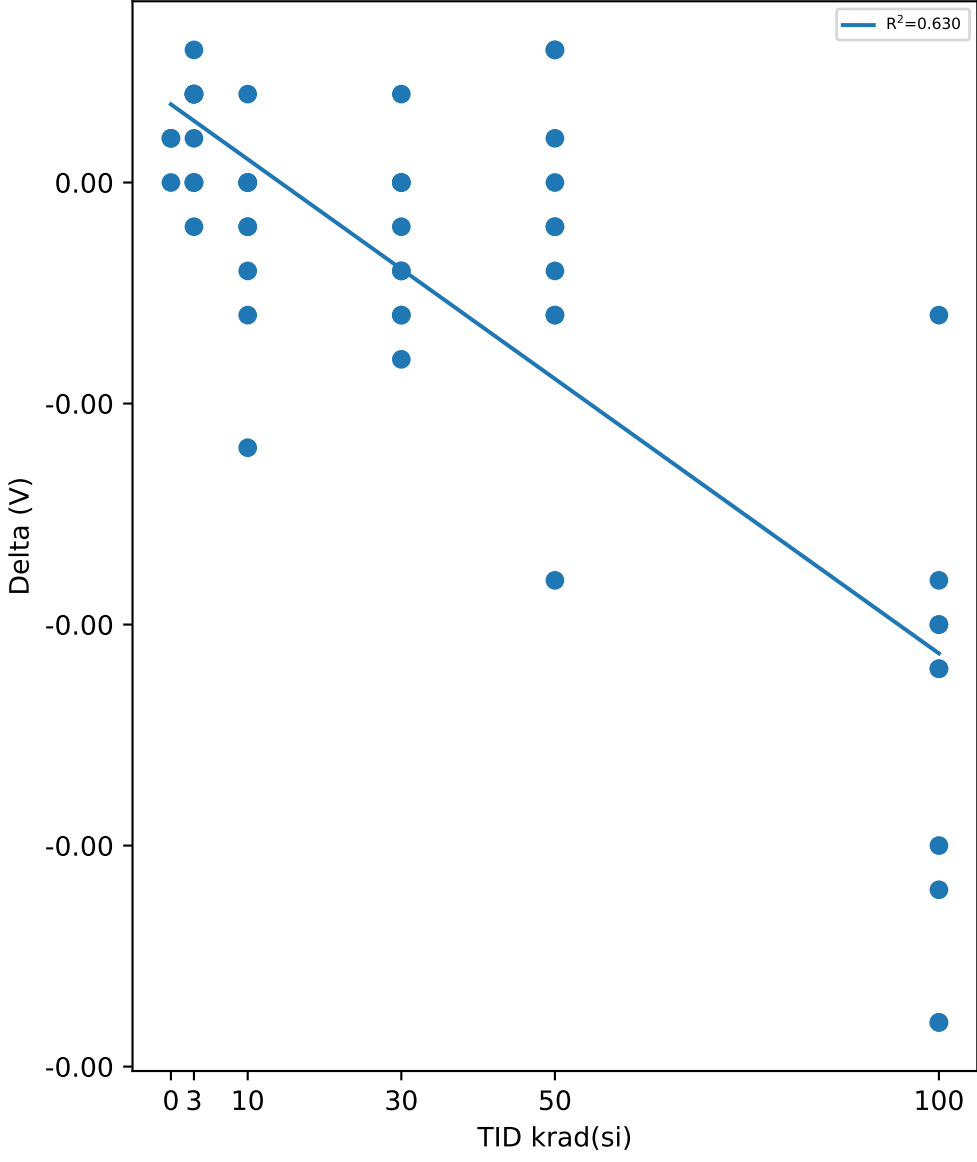
TID vs Result Stats



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

TID vs Post - Pre Exposure Delta

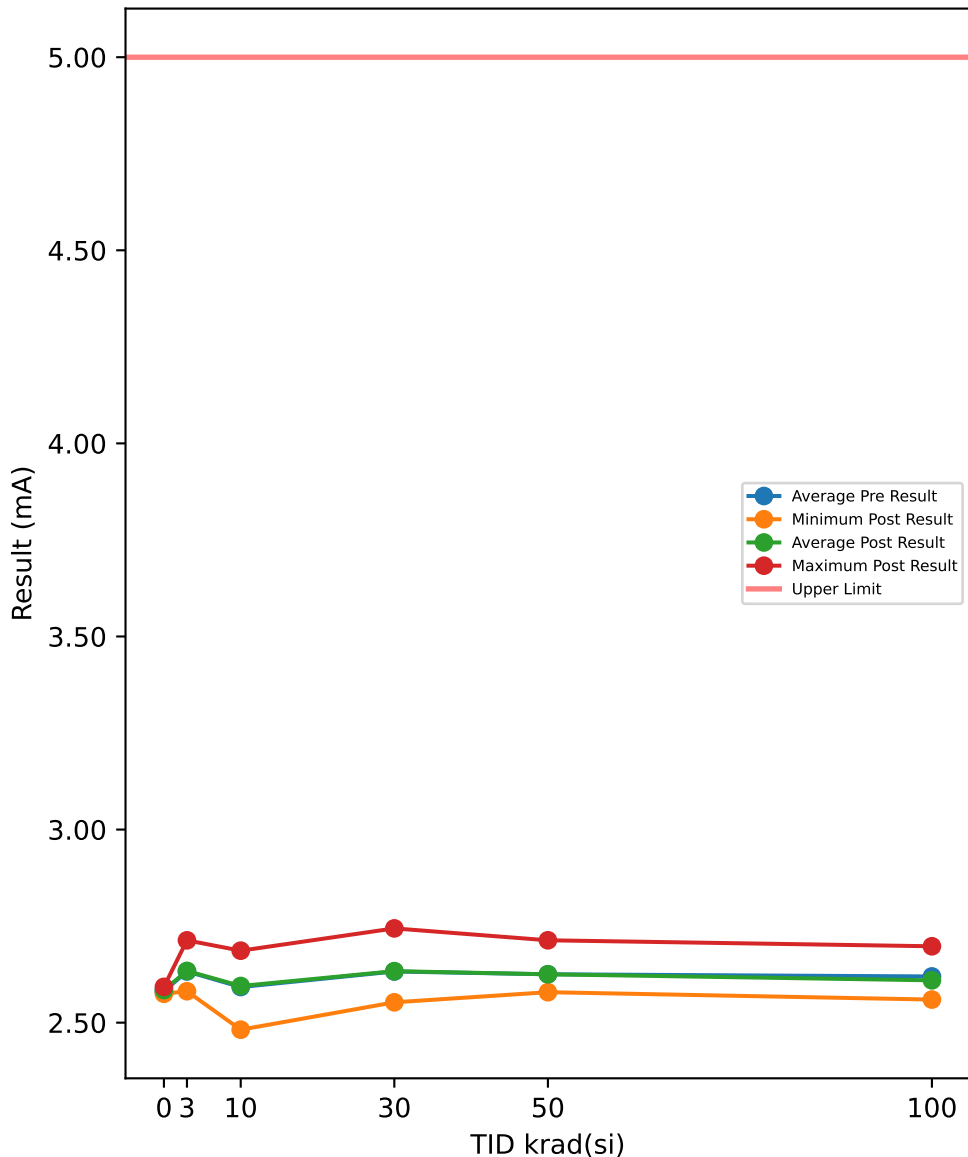


Test Statistics (V)

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	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)

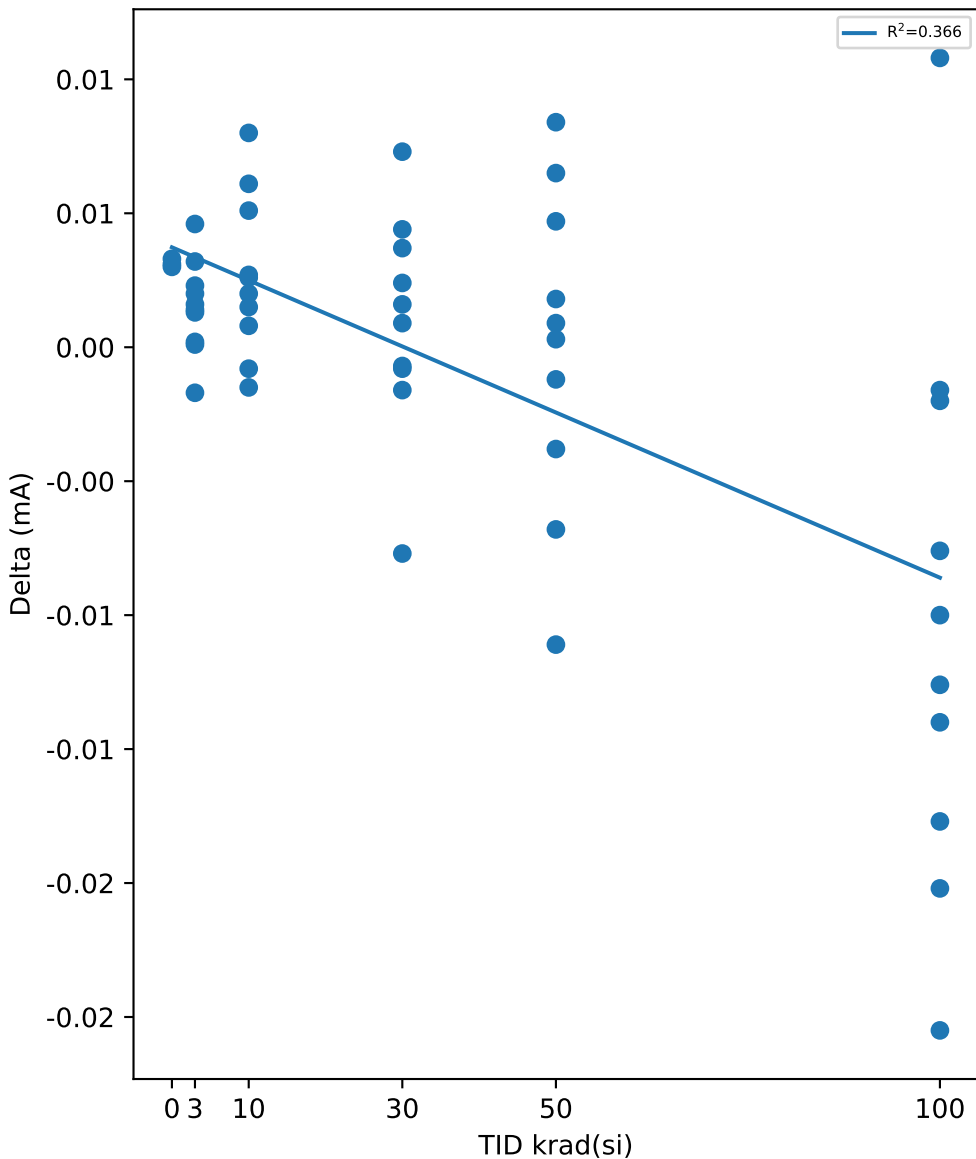
TID vs Result Stats



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

TID vs Post - Pre Exposure Delta

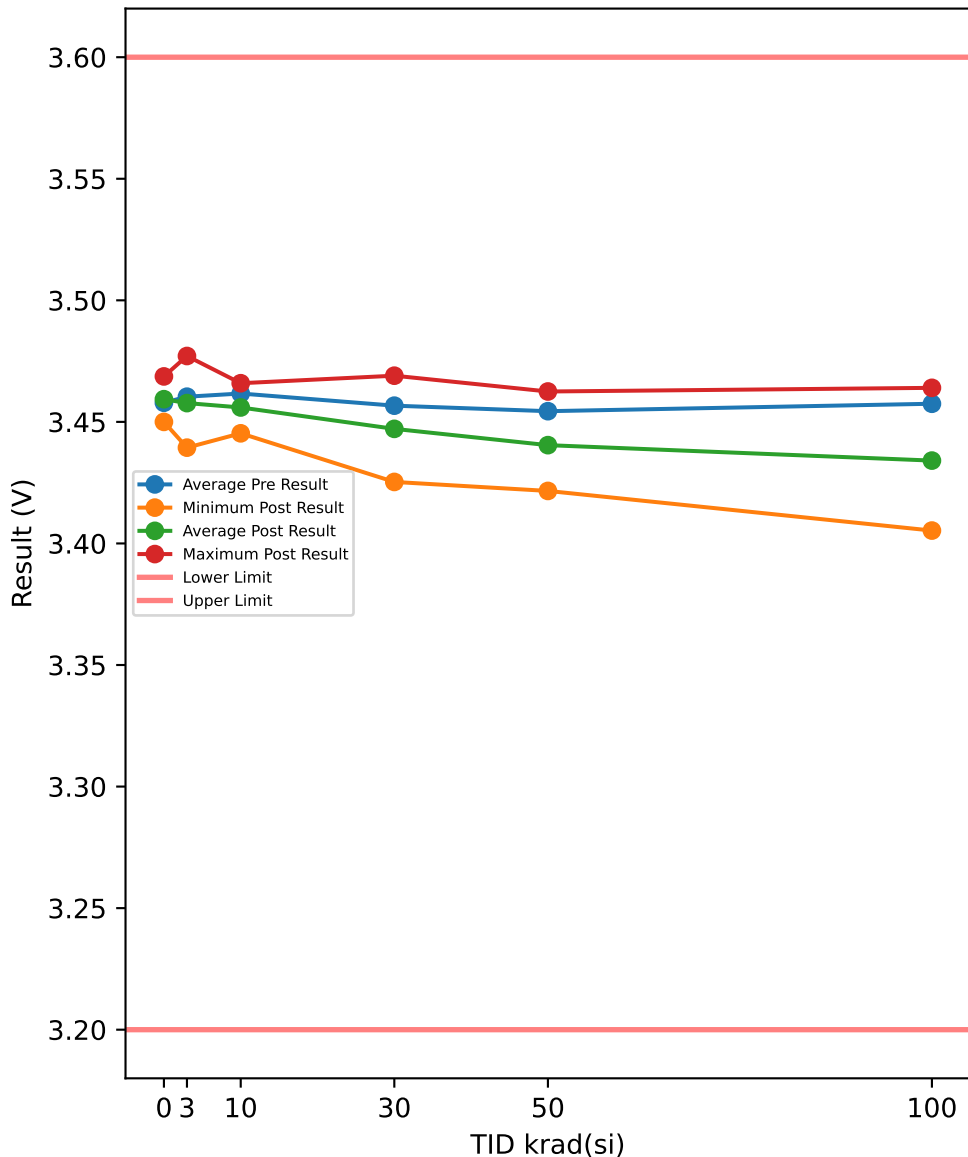


Test Statistics (mA)

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	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)

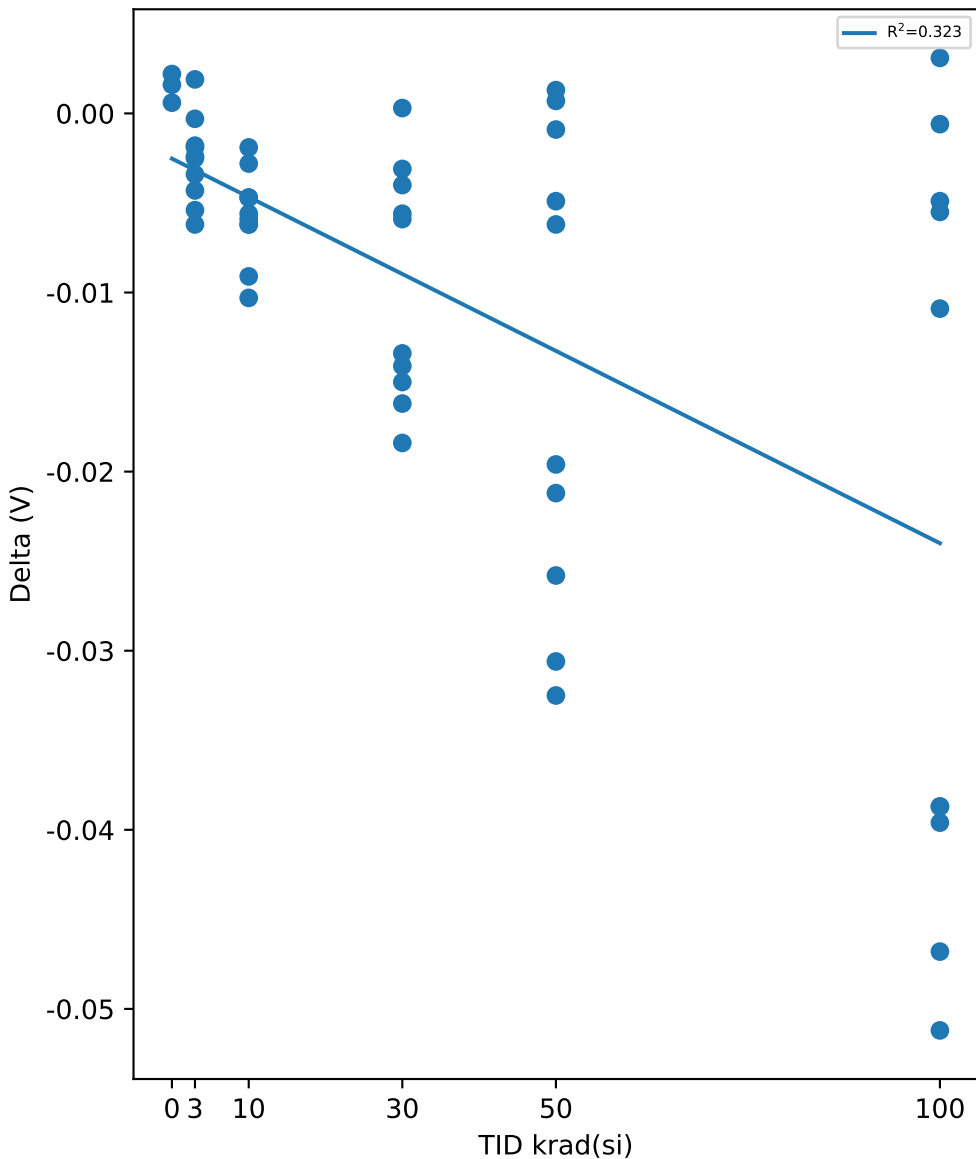
TID vs Result Stats



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

TID vs Post - Pre Exposure Delta

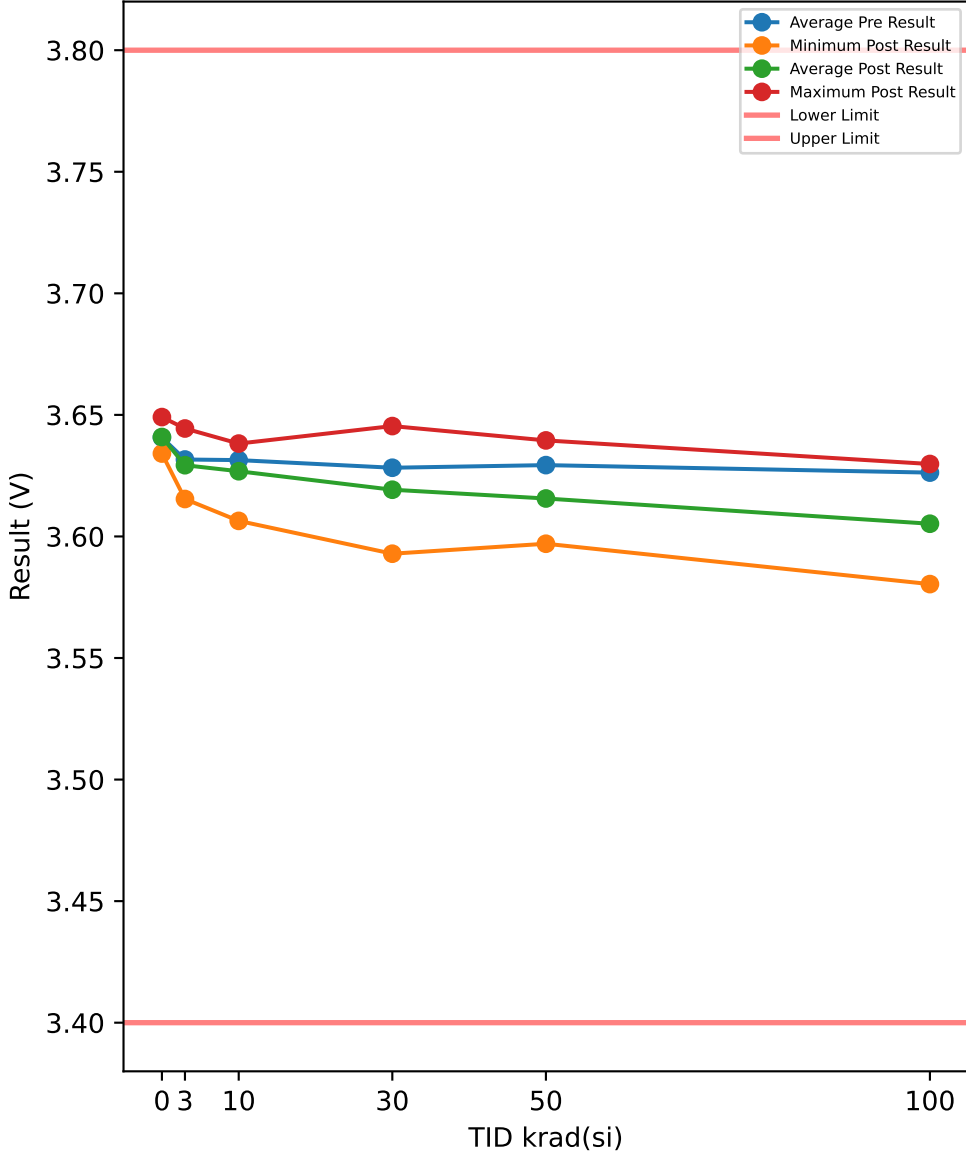


Test Statistics (V)

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	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)

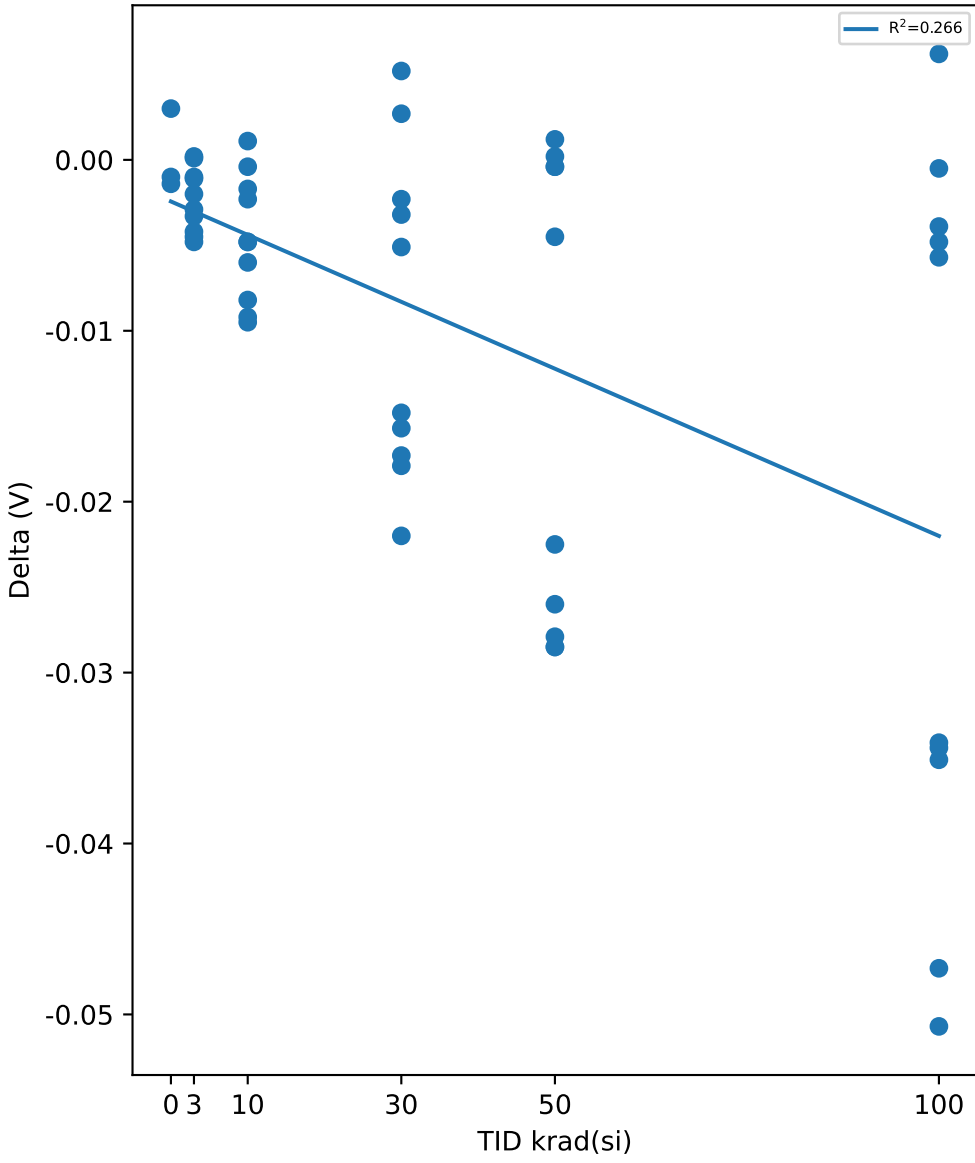
TID vs Result Stats



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

TID vs Post - Pre Exposure Delta

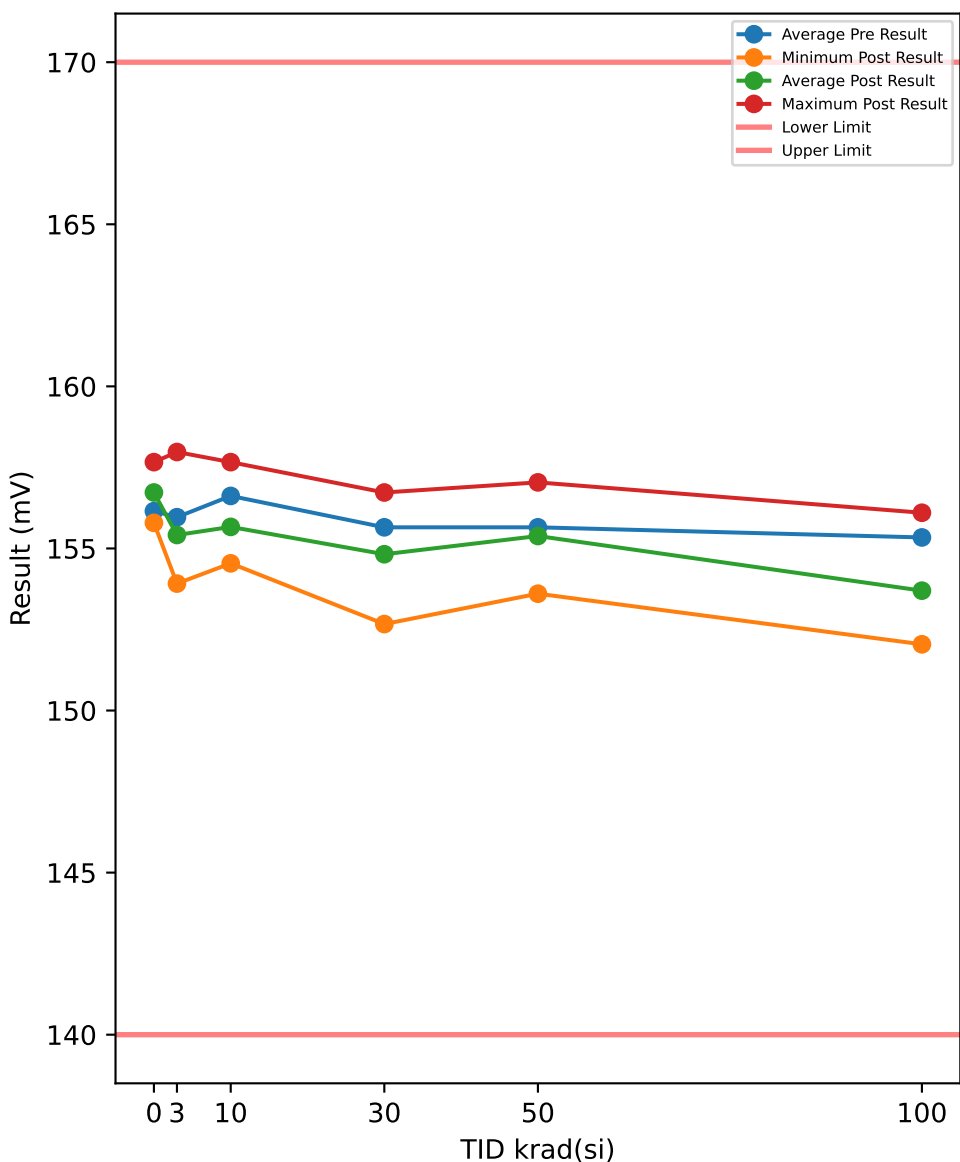


Test Statistics (V)

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	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)

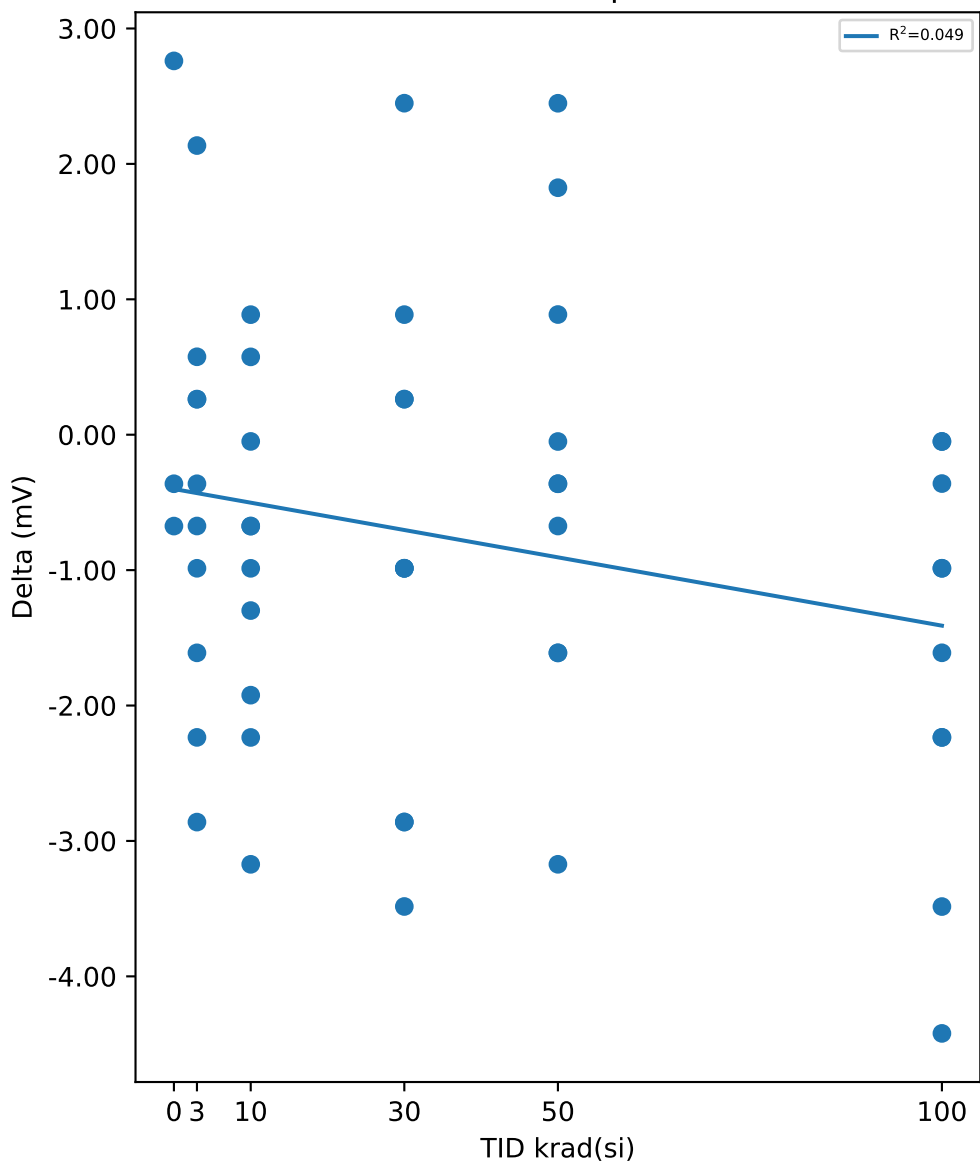
TID vs Result Stats



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

TID vs Post - Pre Exposure Delta

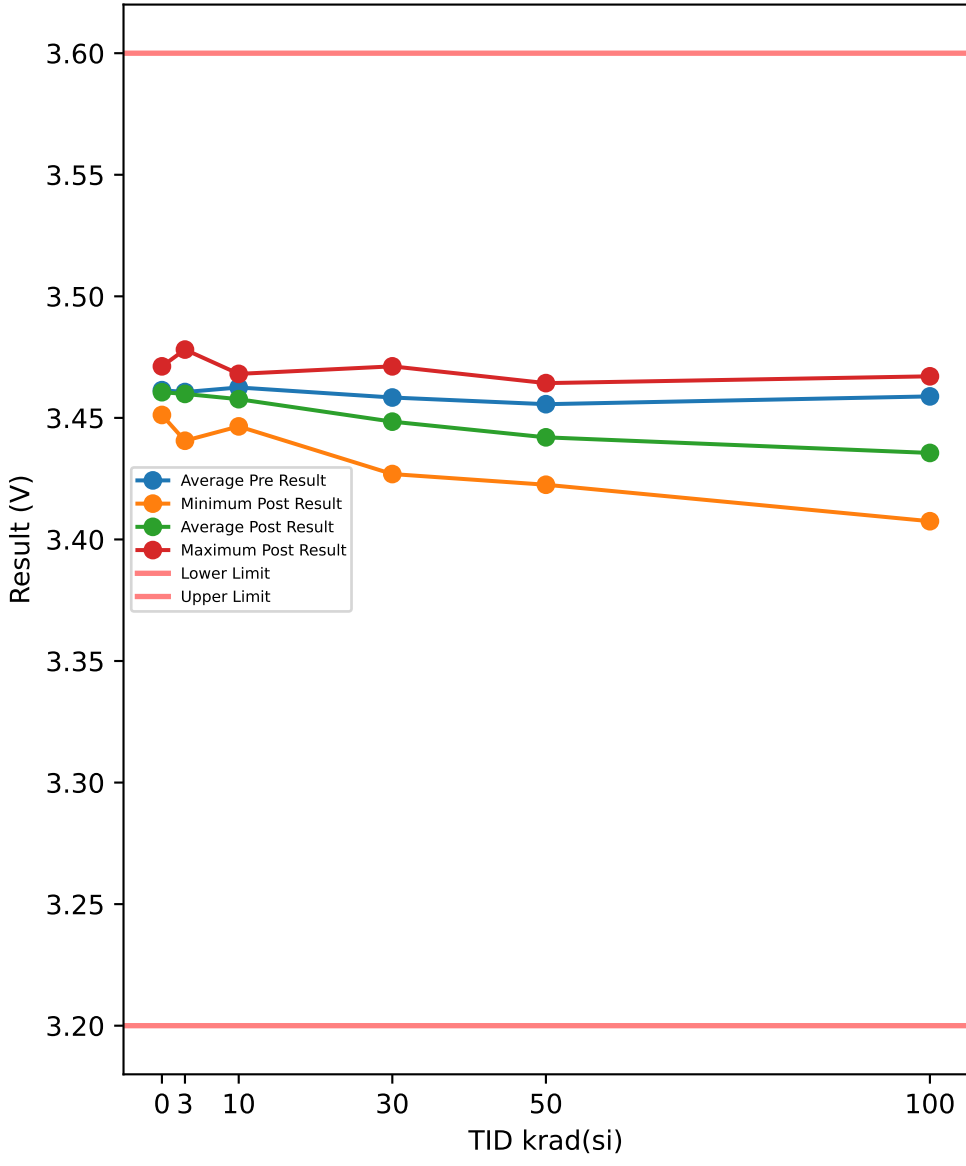


Test Statistics (mV)

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	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)

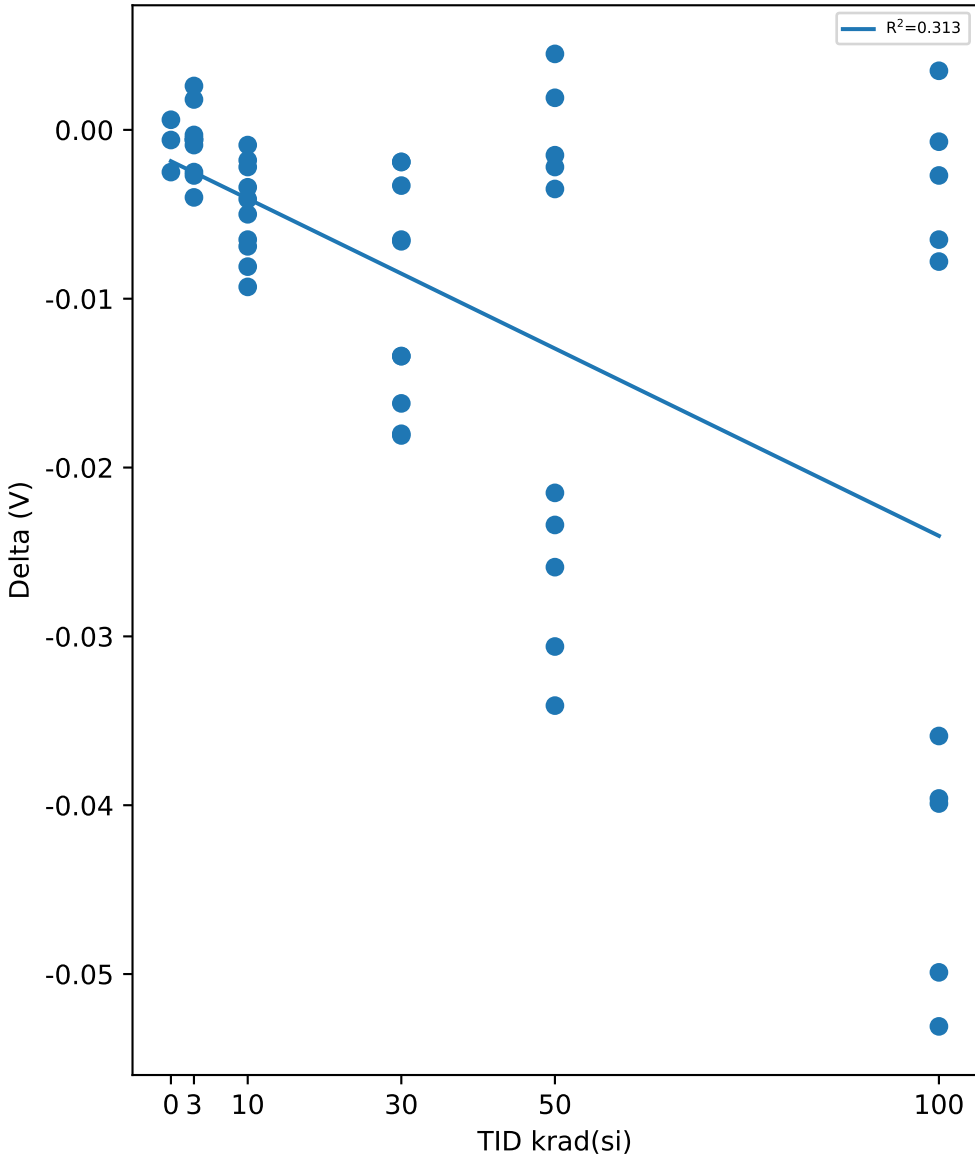
TID vs Result Stats



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

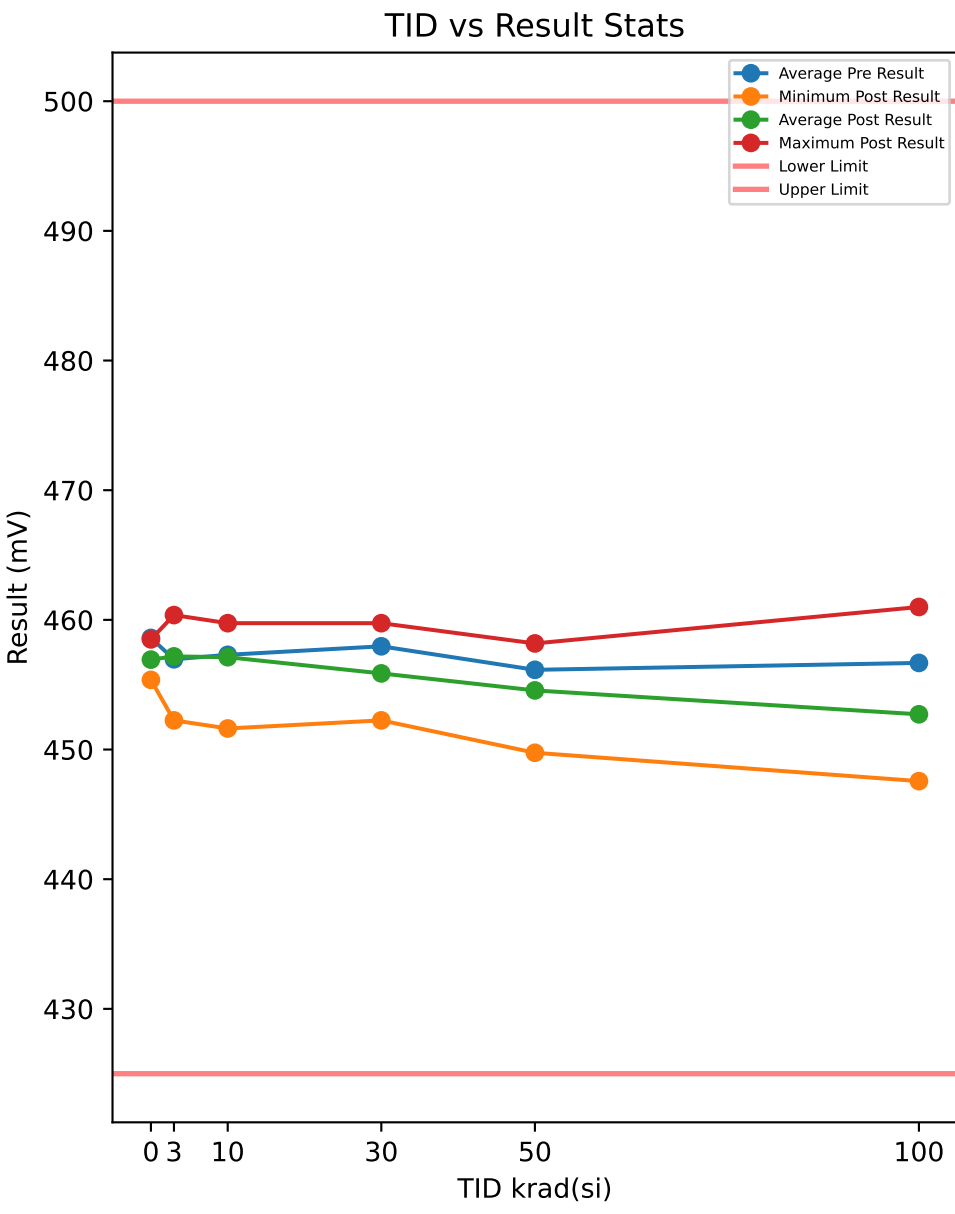
TID vs Post - Pre Exposure Delta



Test Statistics (V)

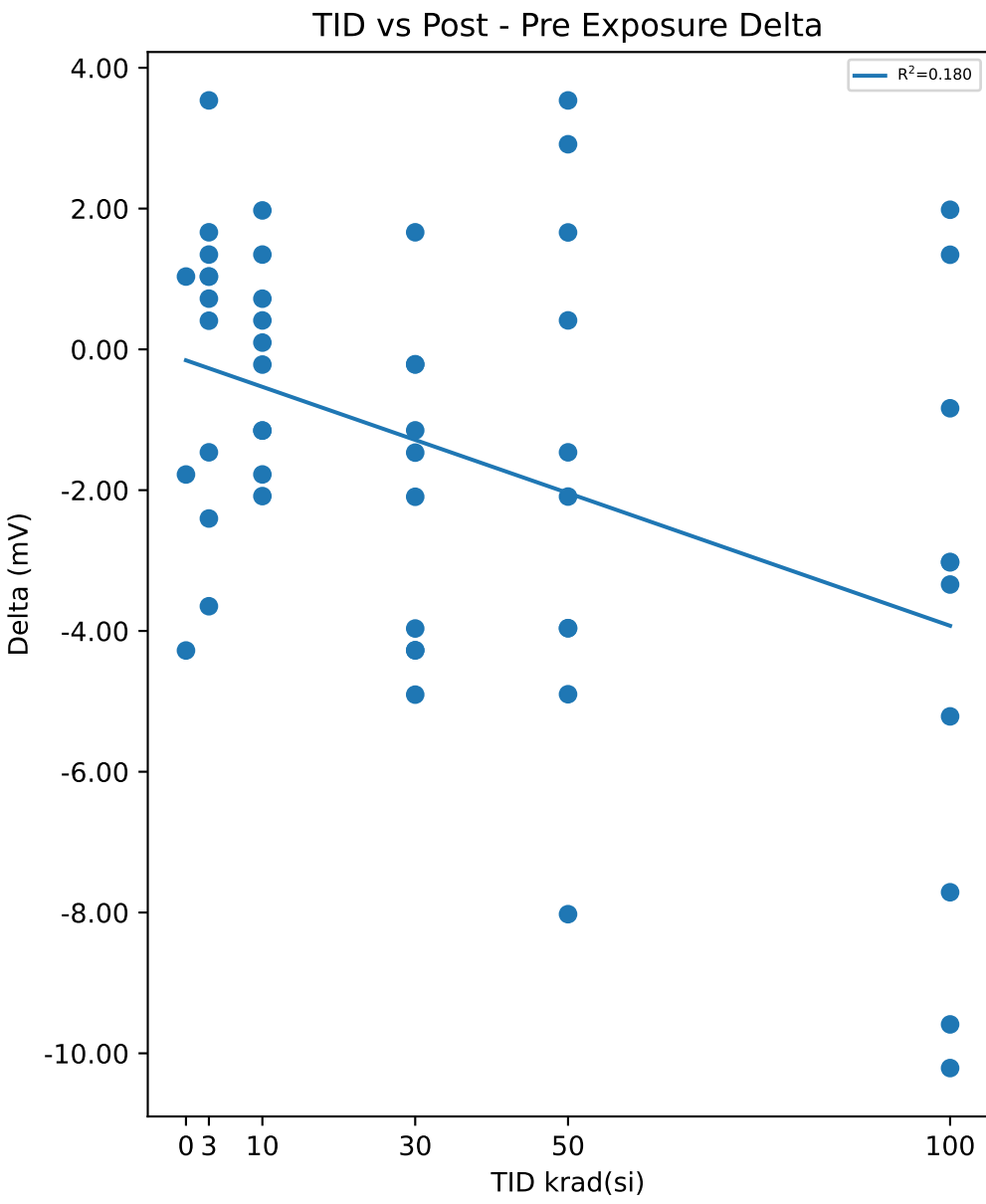
krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	3.4537	3.4614	3.4706	0.0085493	3.4512	3.4606	3.4712	0.01006	-0.0025	-0.00083333	0.0006	0.0015631
3	3.4431	3.4606	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

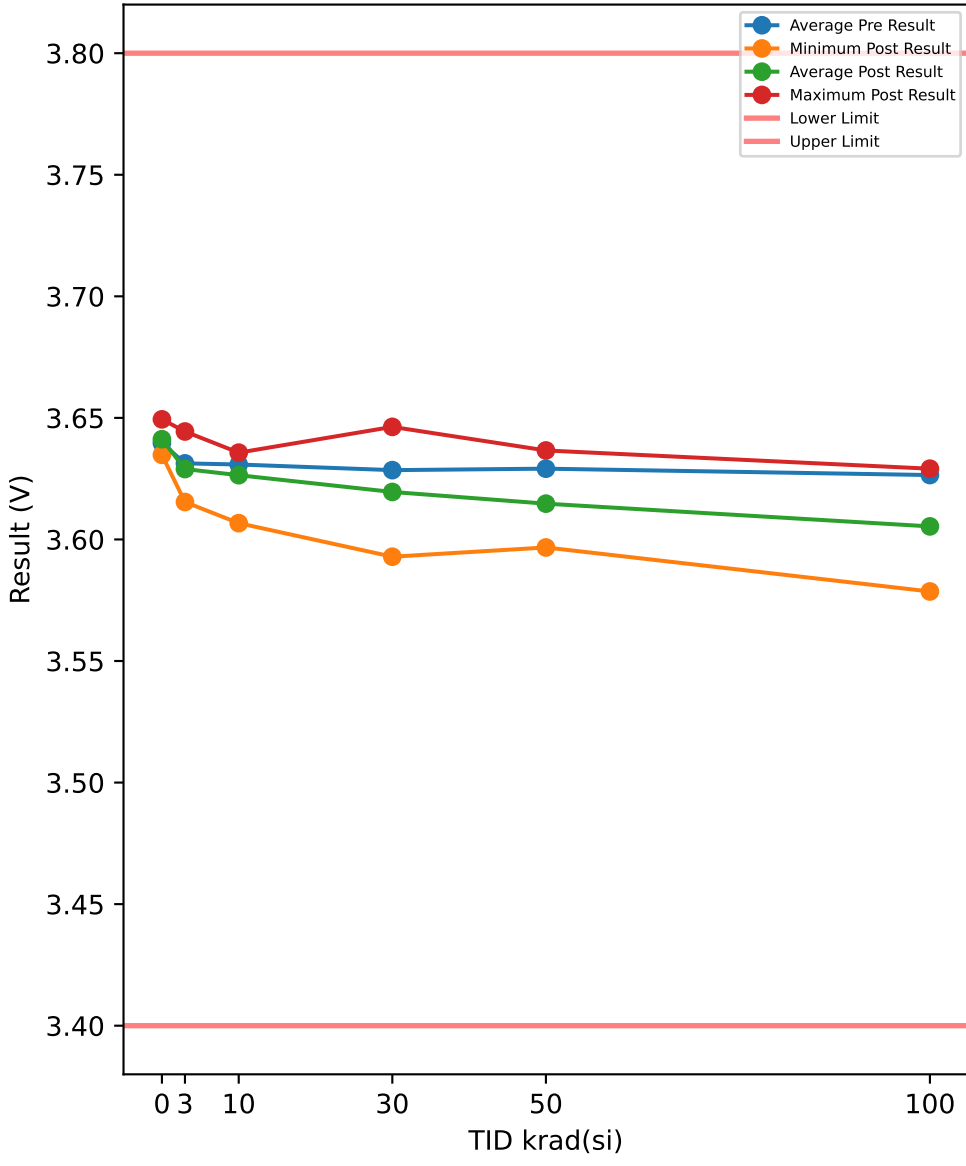


Test Statistics (mV)

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)

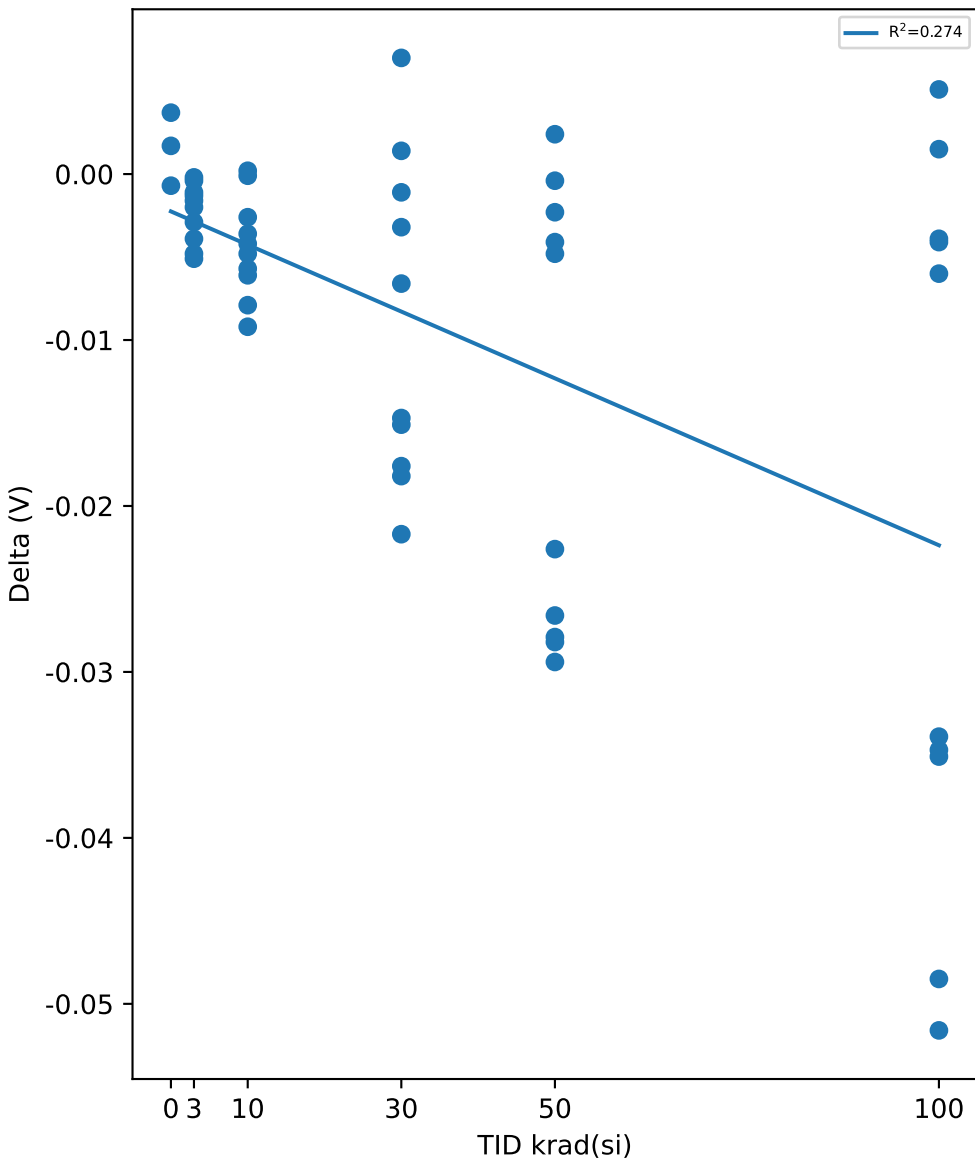
TID vs Result Stats



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

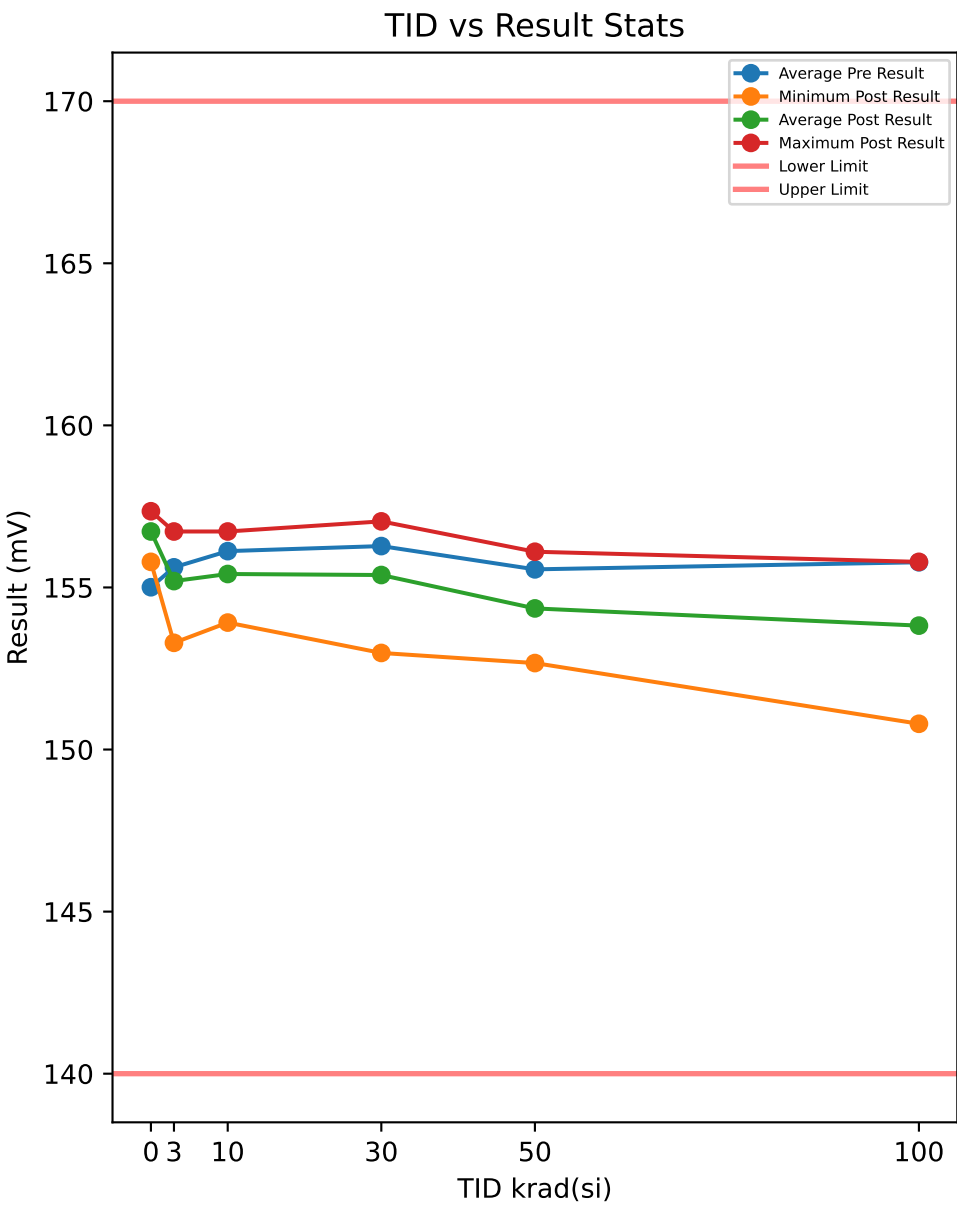
TID vs Post - Pre Exposure Delta



Test Statistics (V)

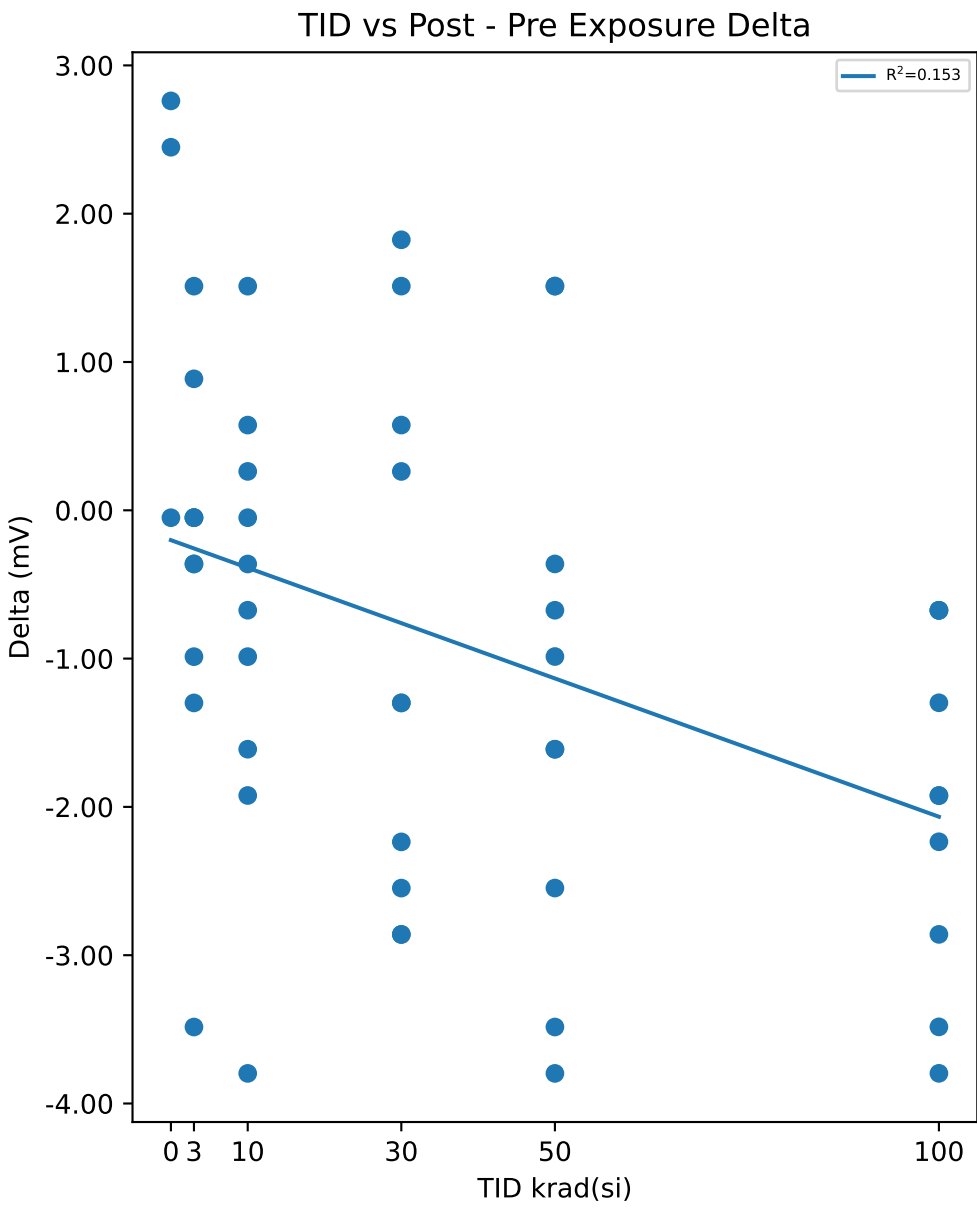
krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	3.6311	3.6397	3.6477	0.0083128	3.6348	3.6412	3.6494	0.0074527	-0.0007	0.0015667	0.0037	0.002203
3	3.6161	3.6313	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))

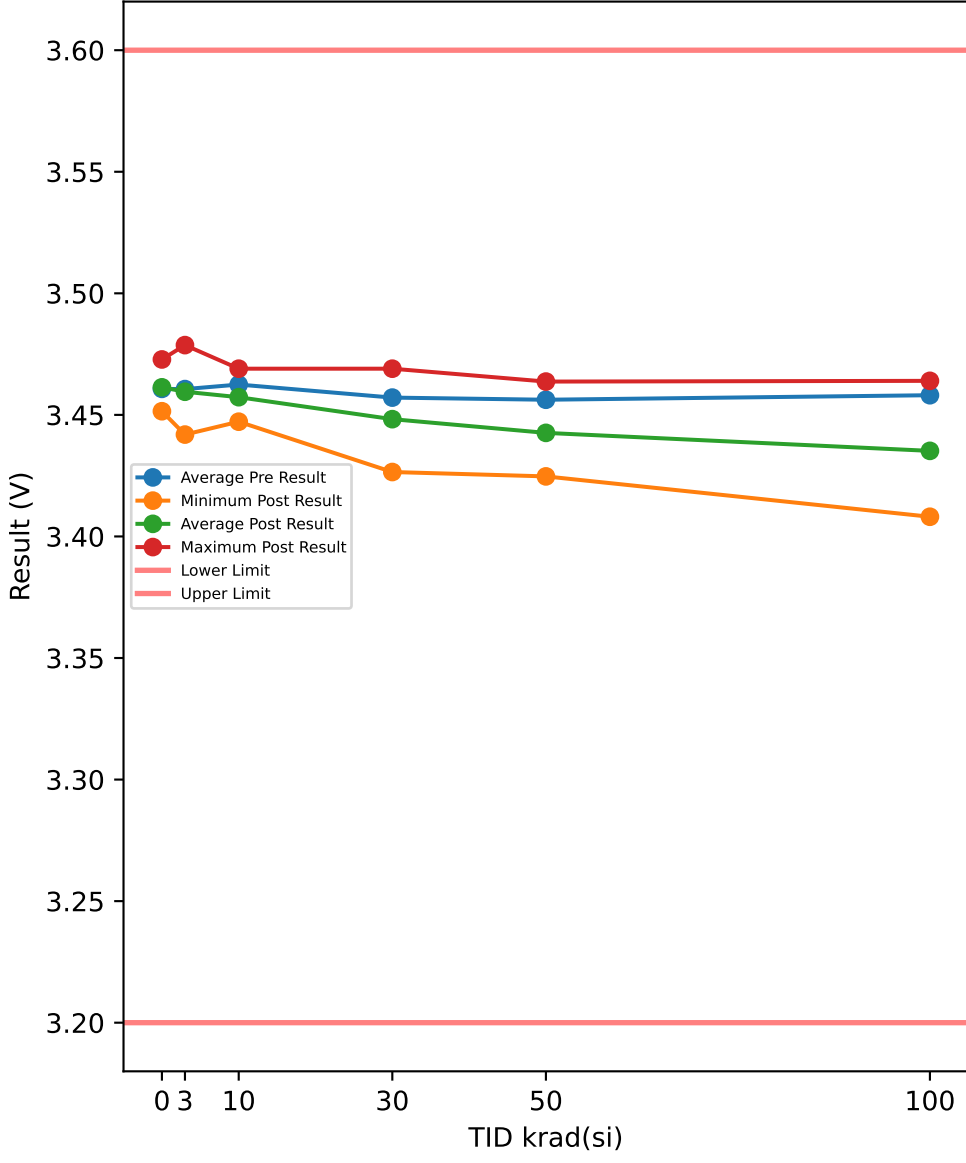
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
390	100	Biased	154.28	150.79	-3.4833
392	100	Biased	156.46	152.67	-3.7966
393	100	Biased	153.97	152.67	-1.2979
394	100	Biased	155.21	154.54	-0.674
395	100	Biased	156.46	155.79	-0.6748
412	100	Unbiased	156.15	154.23	-1.9233
413	100	Unbiased	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

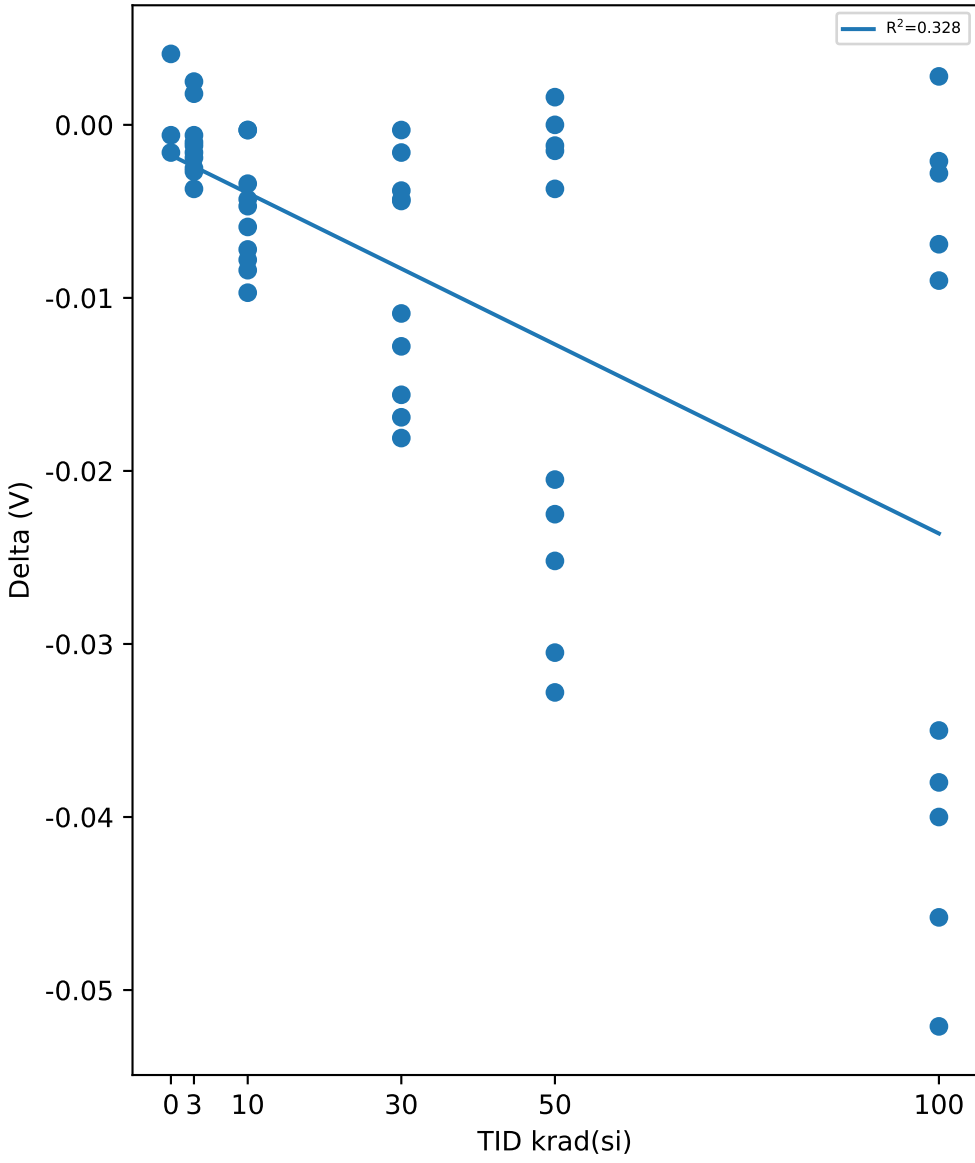
TID vs Result Stats



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

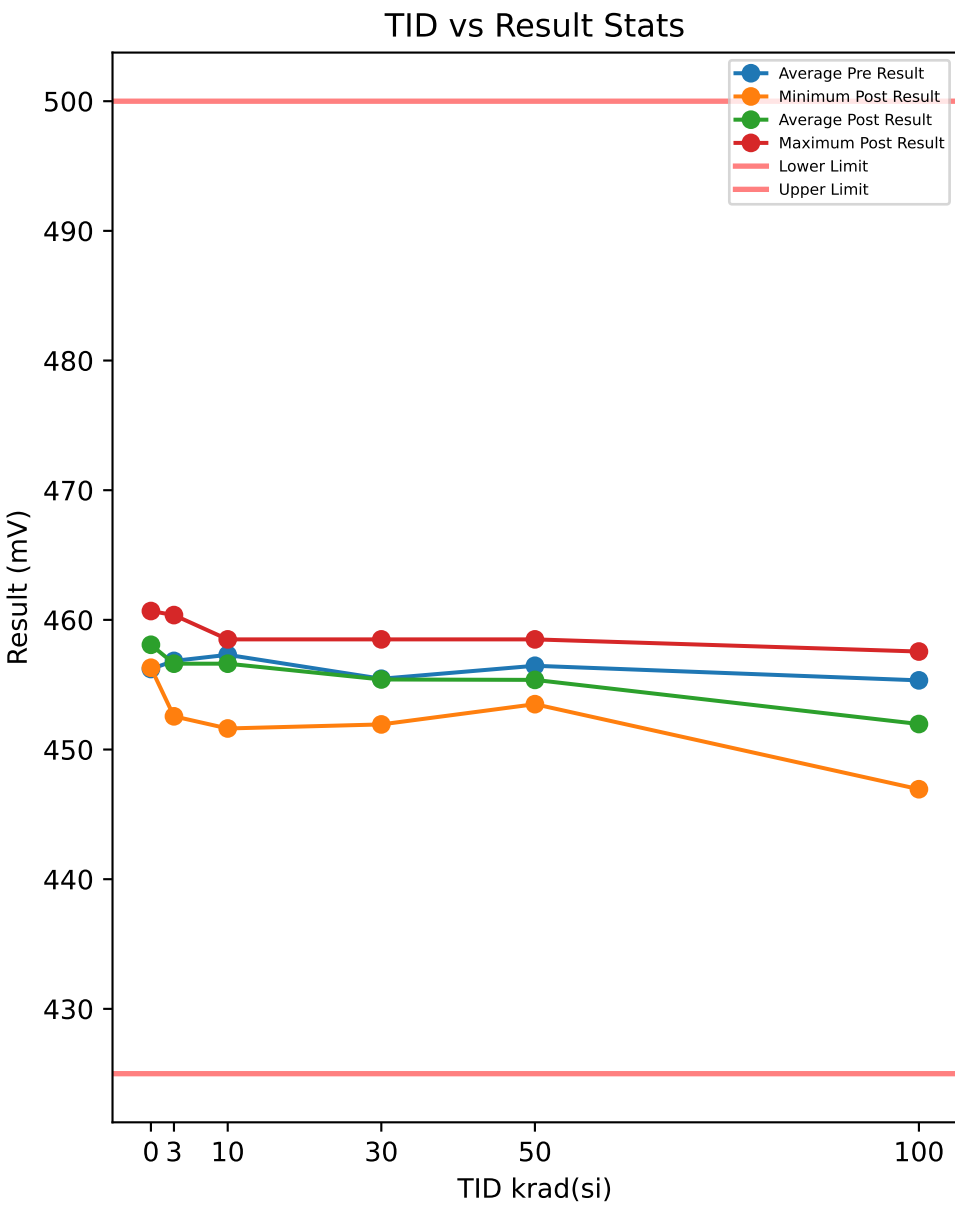
TID vs Post - Pre Exposure Delta



Test Statistics (V)

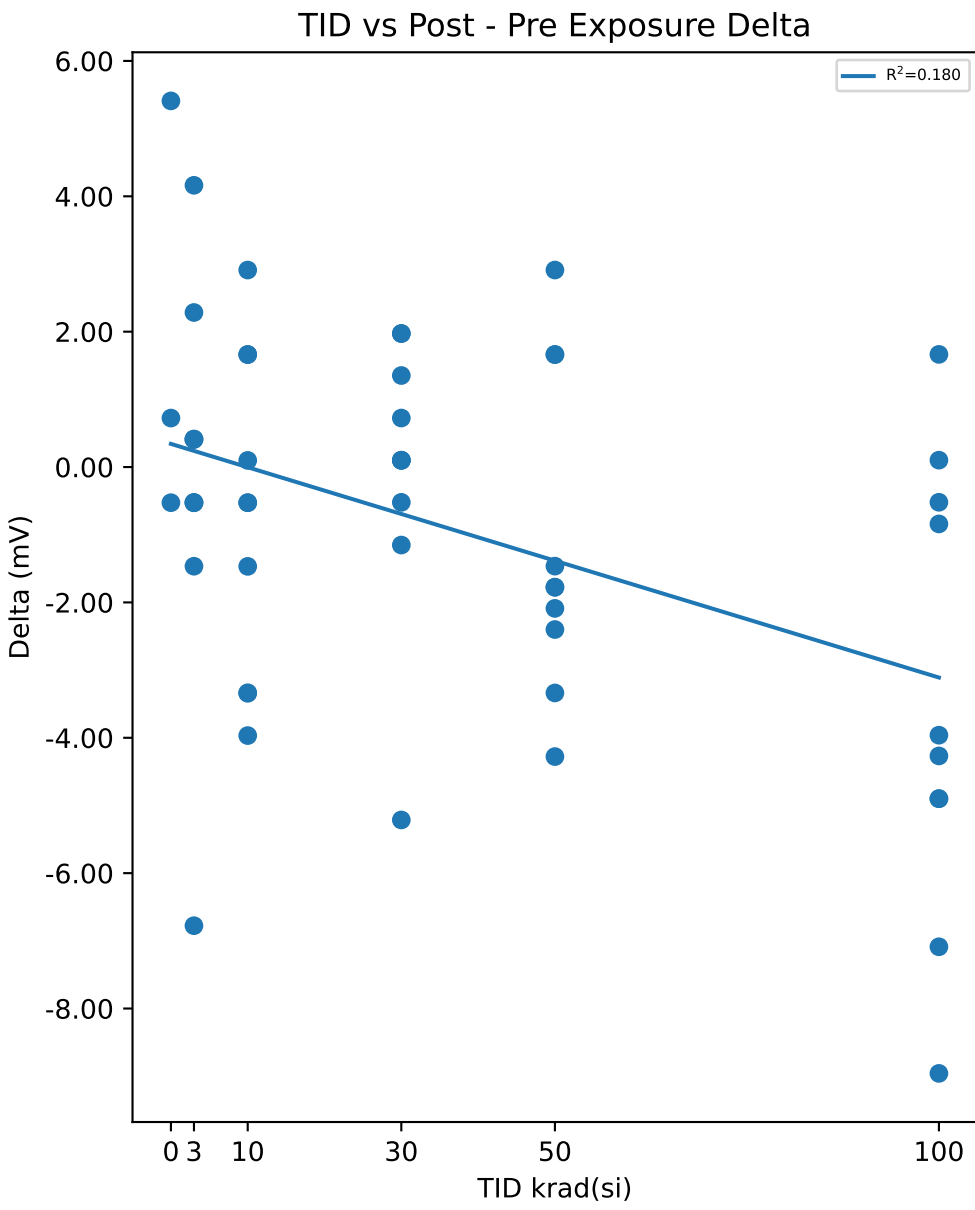
krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	3.4531	3.4607	3.4687	0.0078077	3.4515	3.4613	3.4728	0.010744	-0.0016	0.00063333	0.0041	0.0030436
3	3.4446	3.4606	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

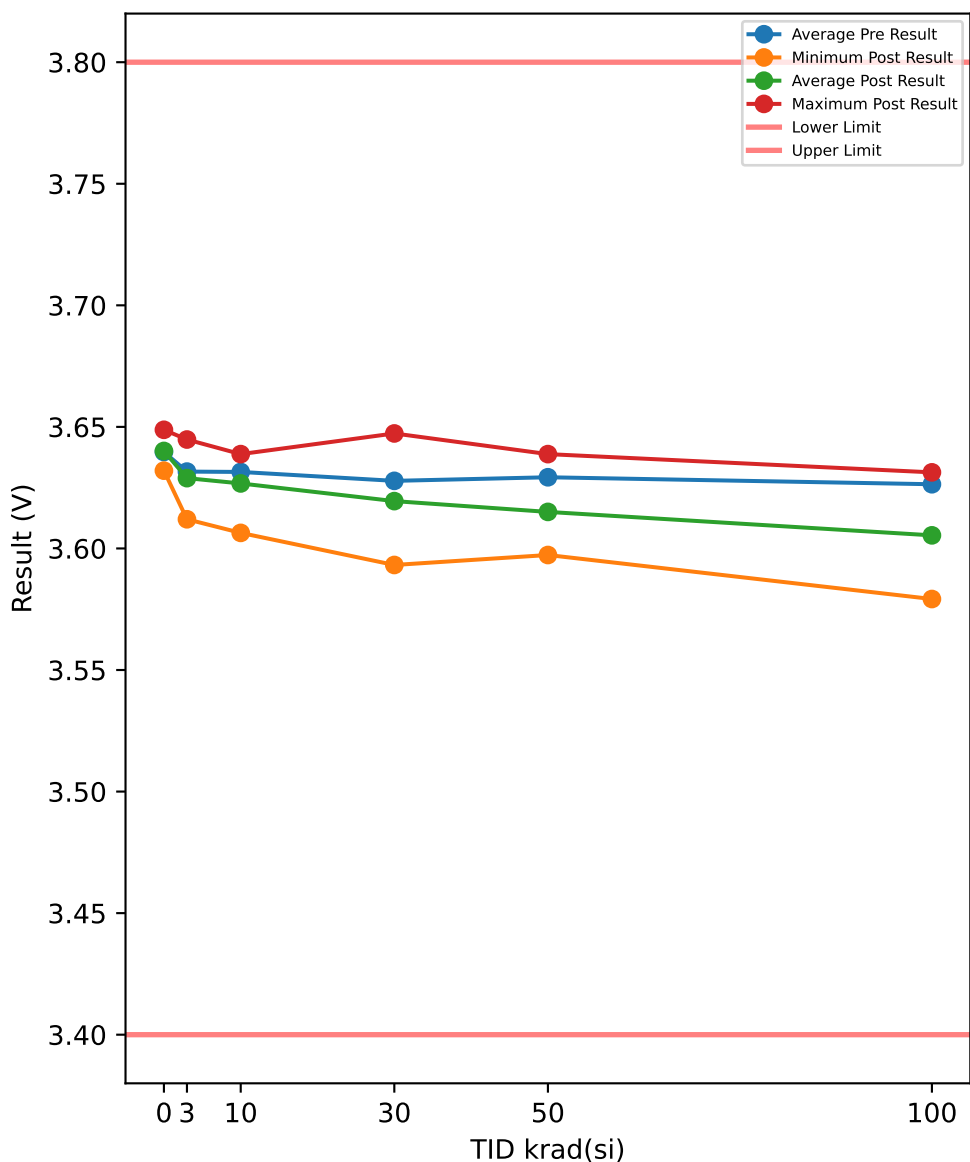


Test Statistics (mV)

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)

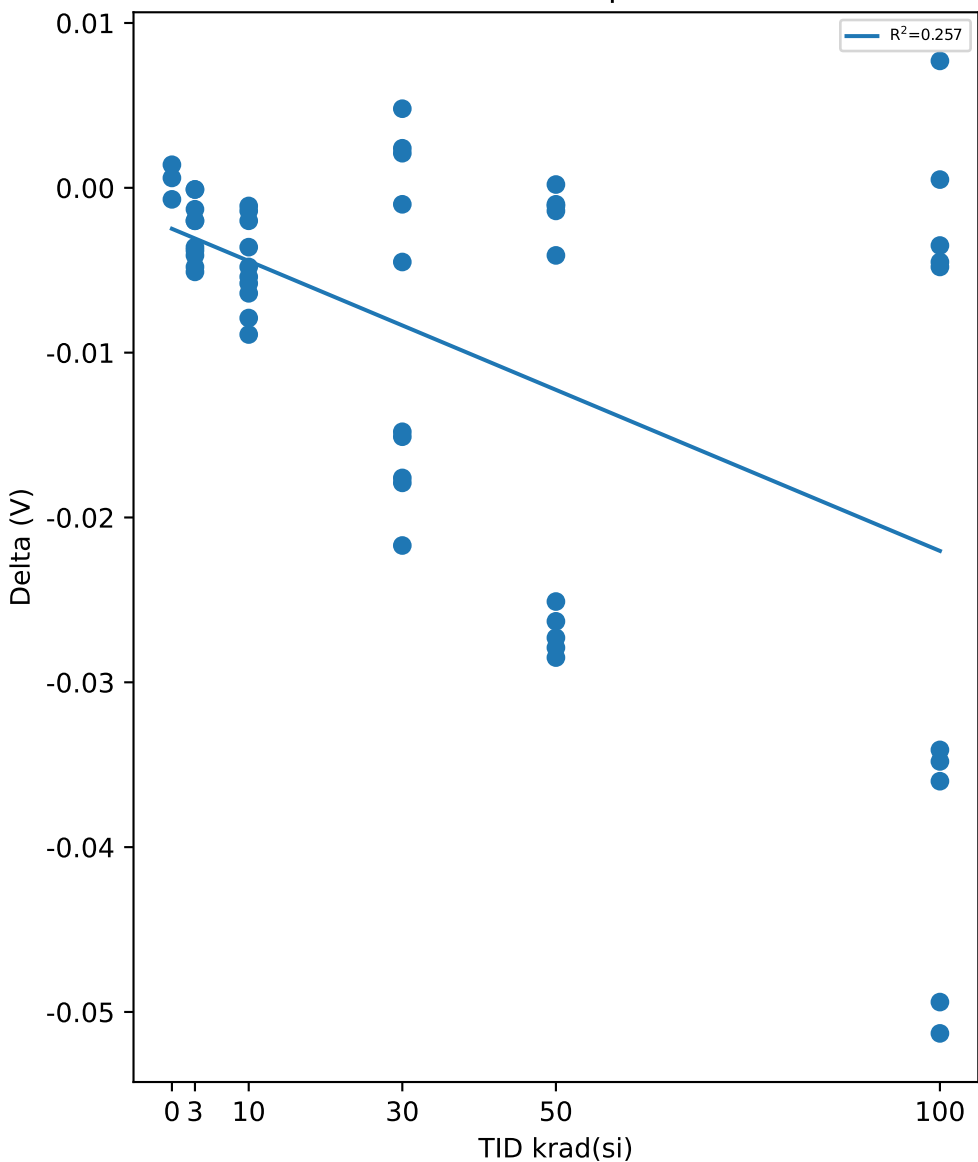
TID vs Result Stats



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

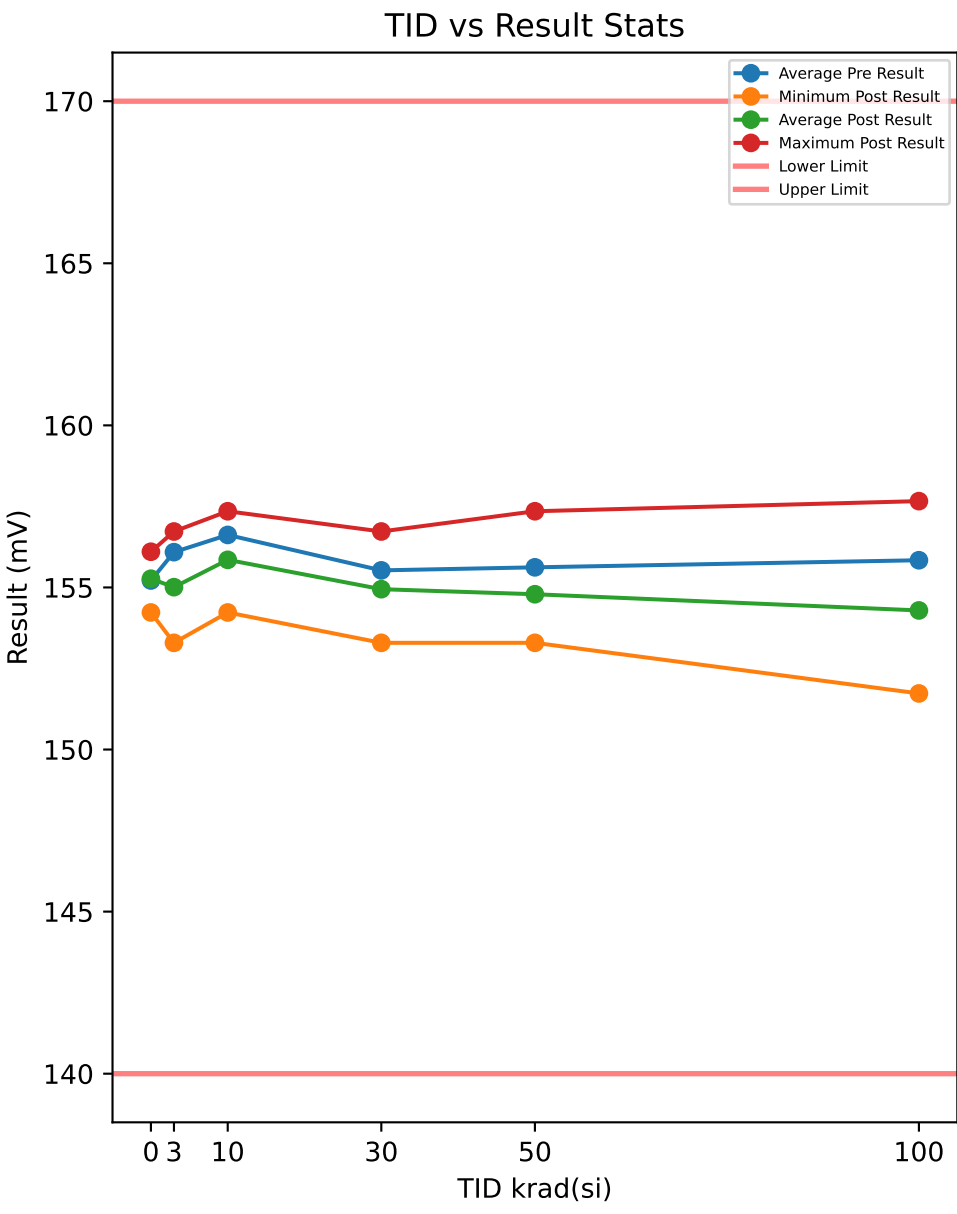
TID vs Post - Pre Exposure Delta



Test Statistics (V)

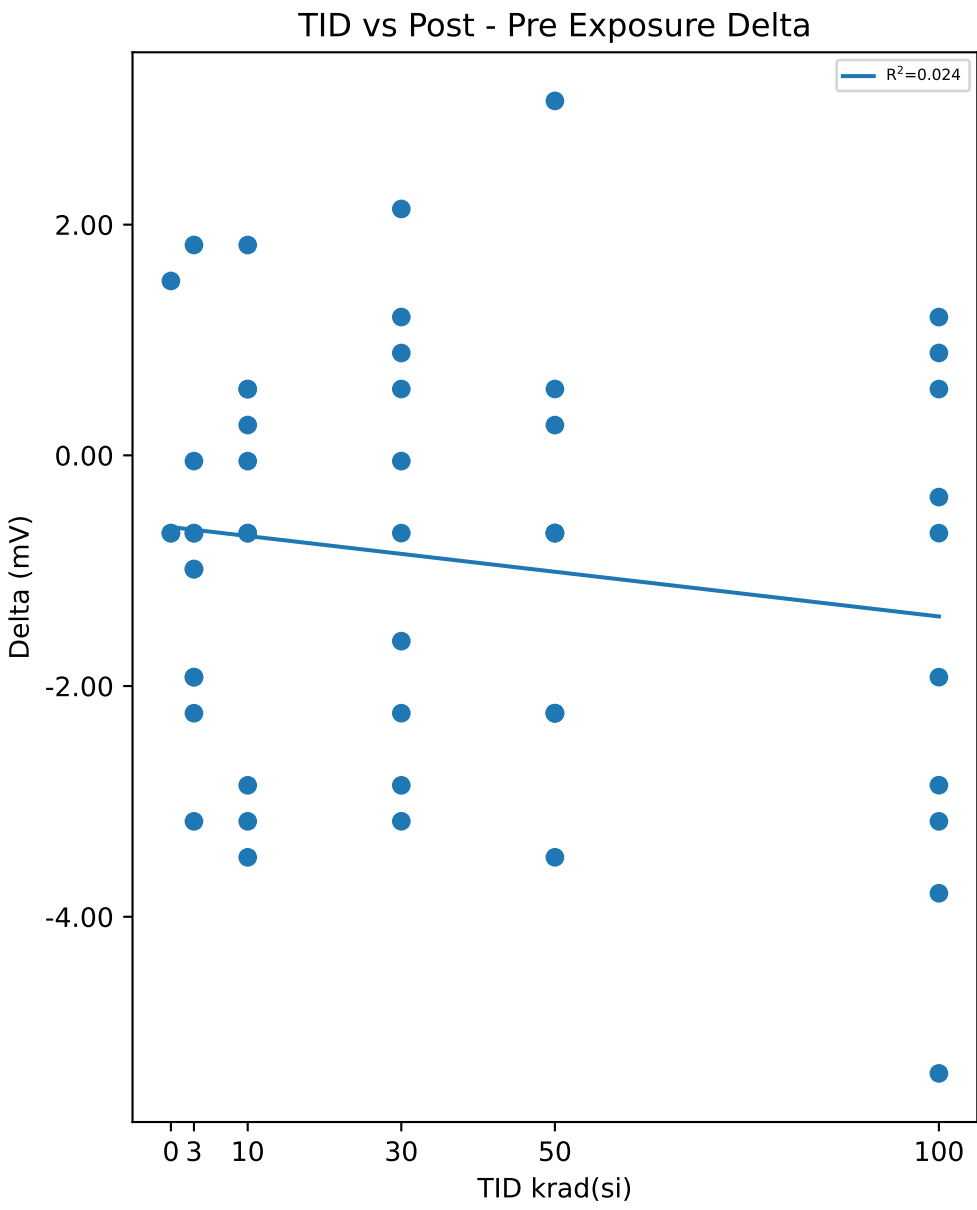
krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	3.6314	3.6397	3.6474	0.0080133	3.632	3.6401	3.6488	0.0084161	-0.0007	0.00043333	0.0014	0.0010599
3	3.6161	3.6316	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

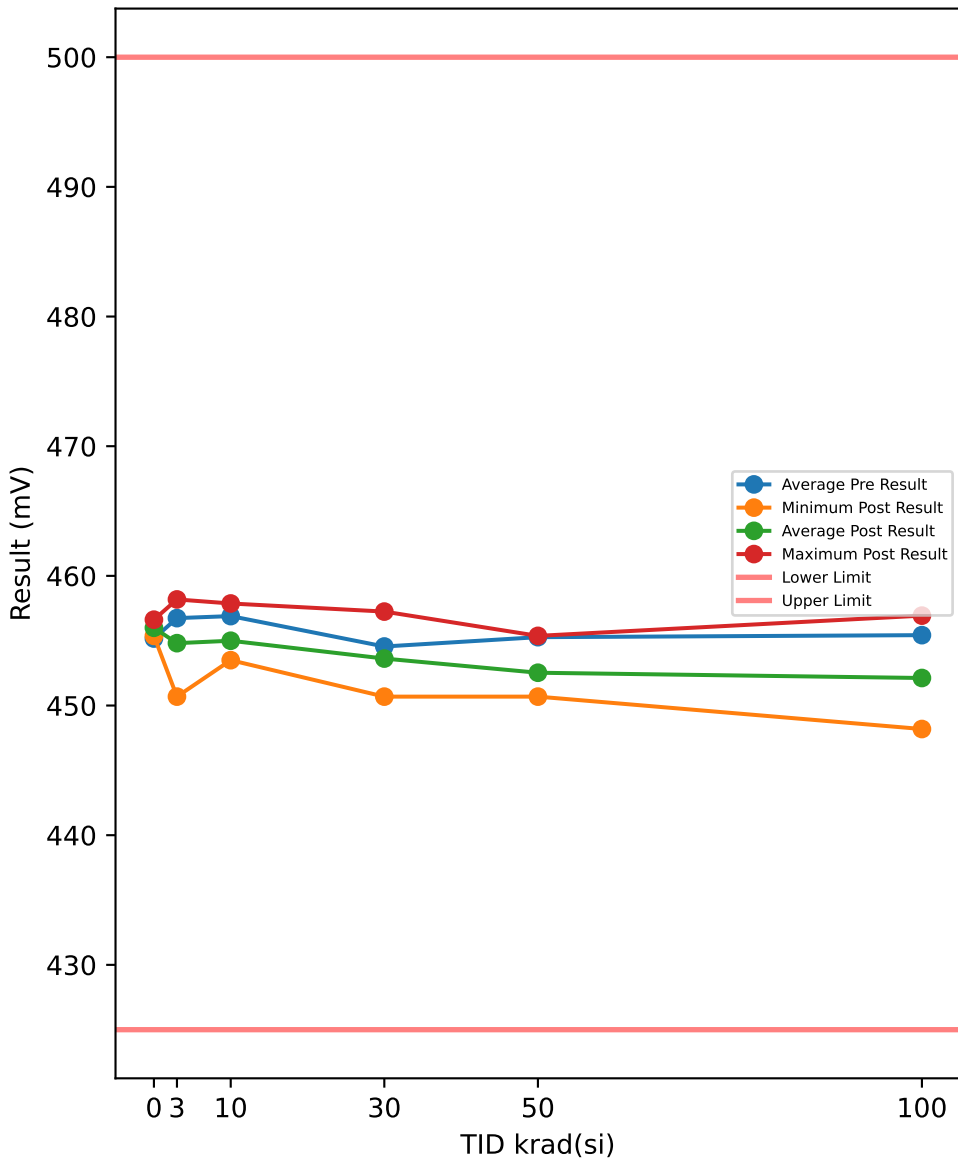


Test Statistics (mV)

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)

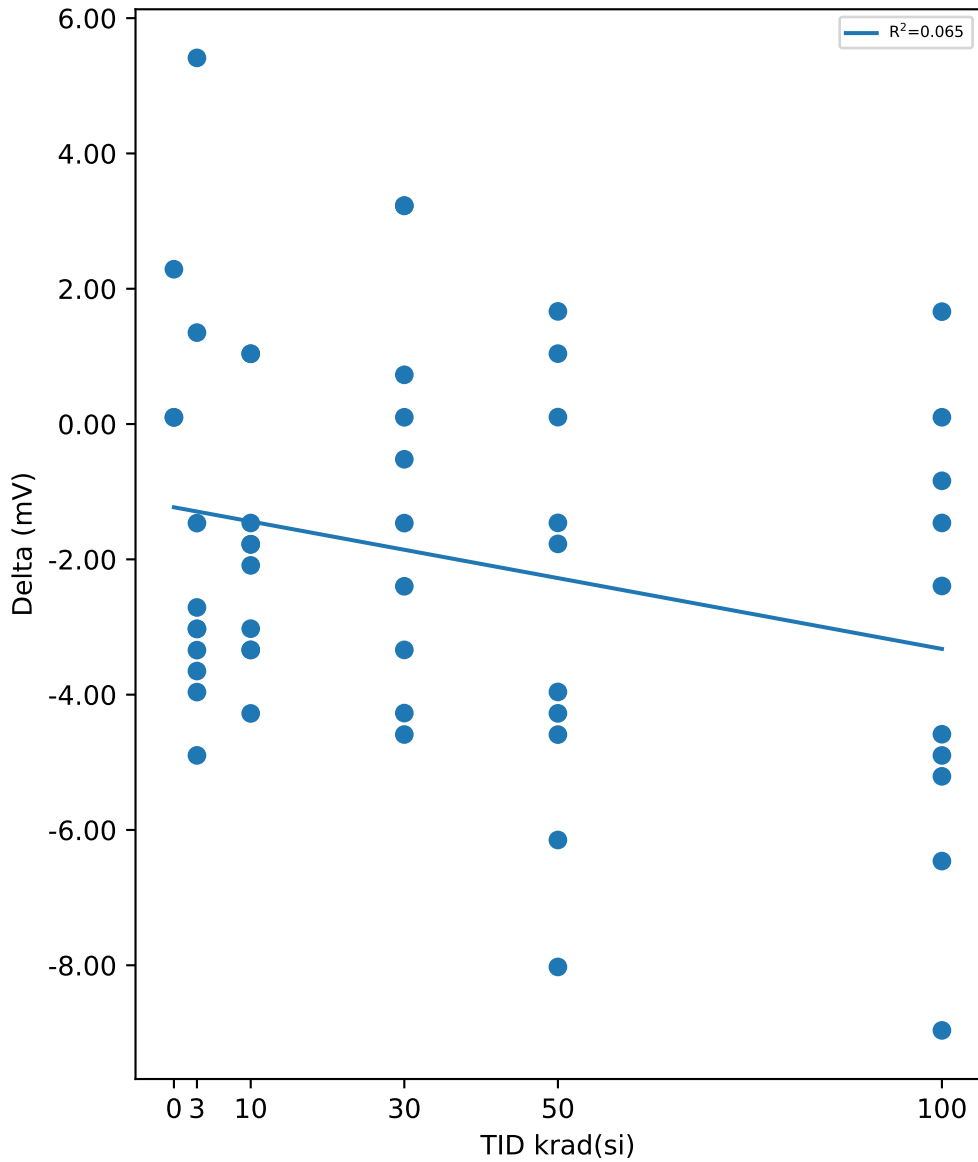
TID vs Result Stats



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

TID vs Post - Pre Exposure Delta

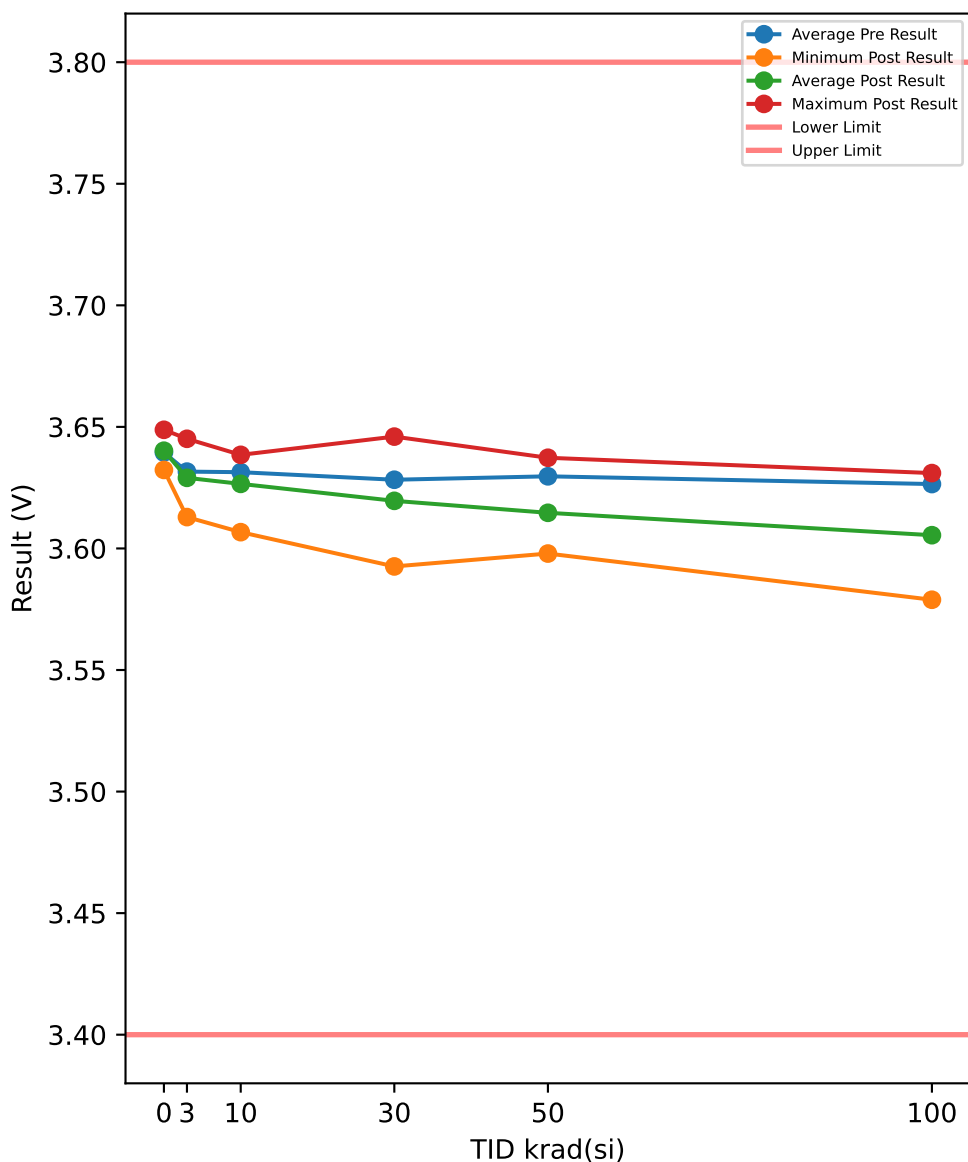


Test Statistics (mV)

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	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)

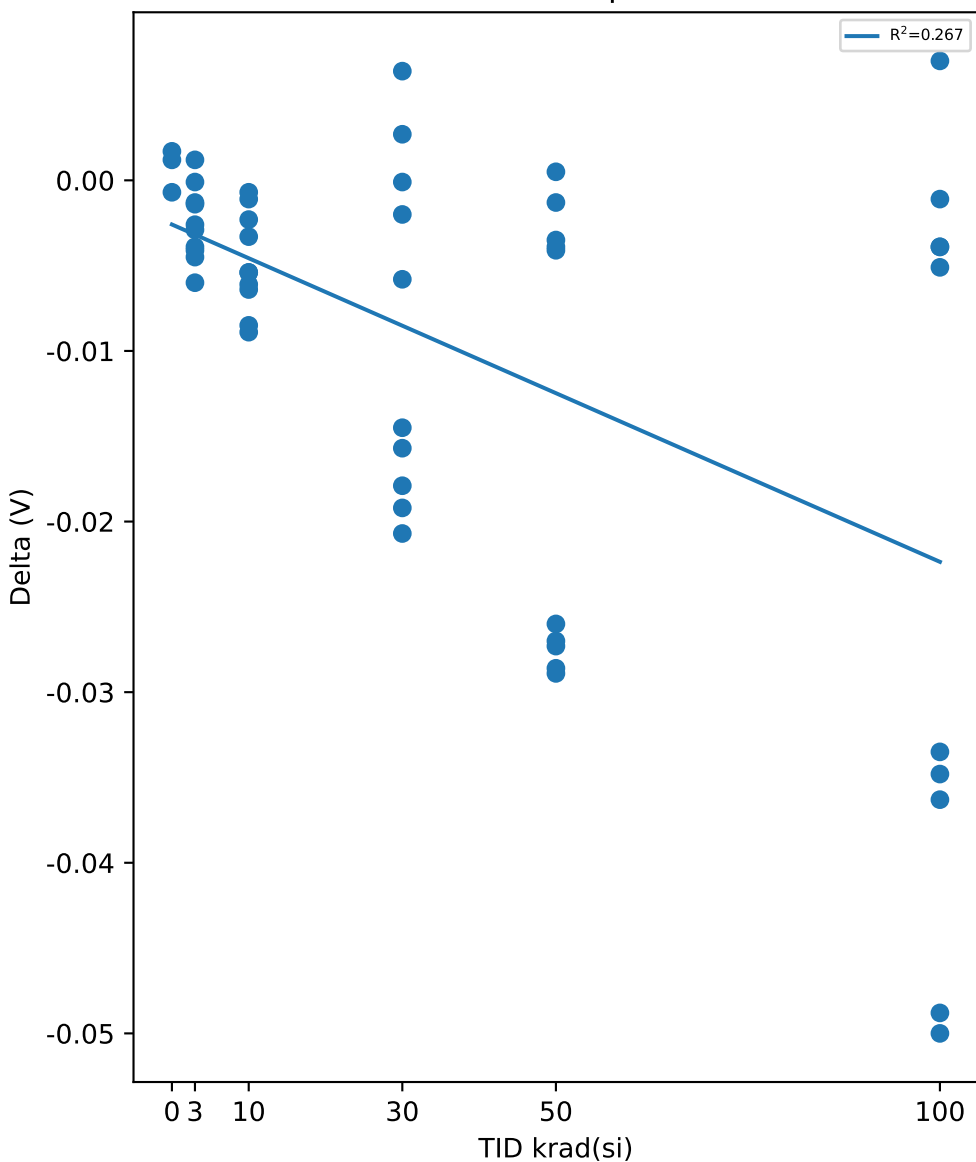
TID vs Result Stats



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

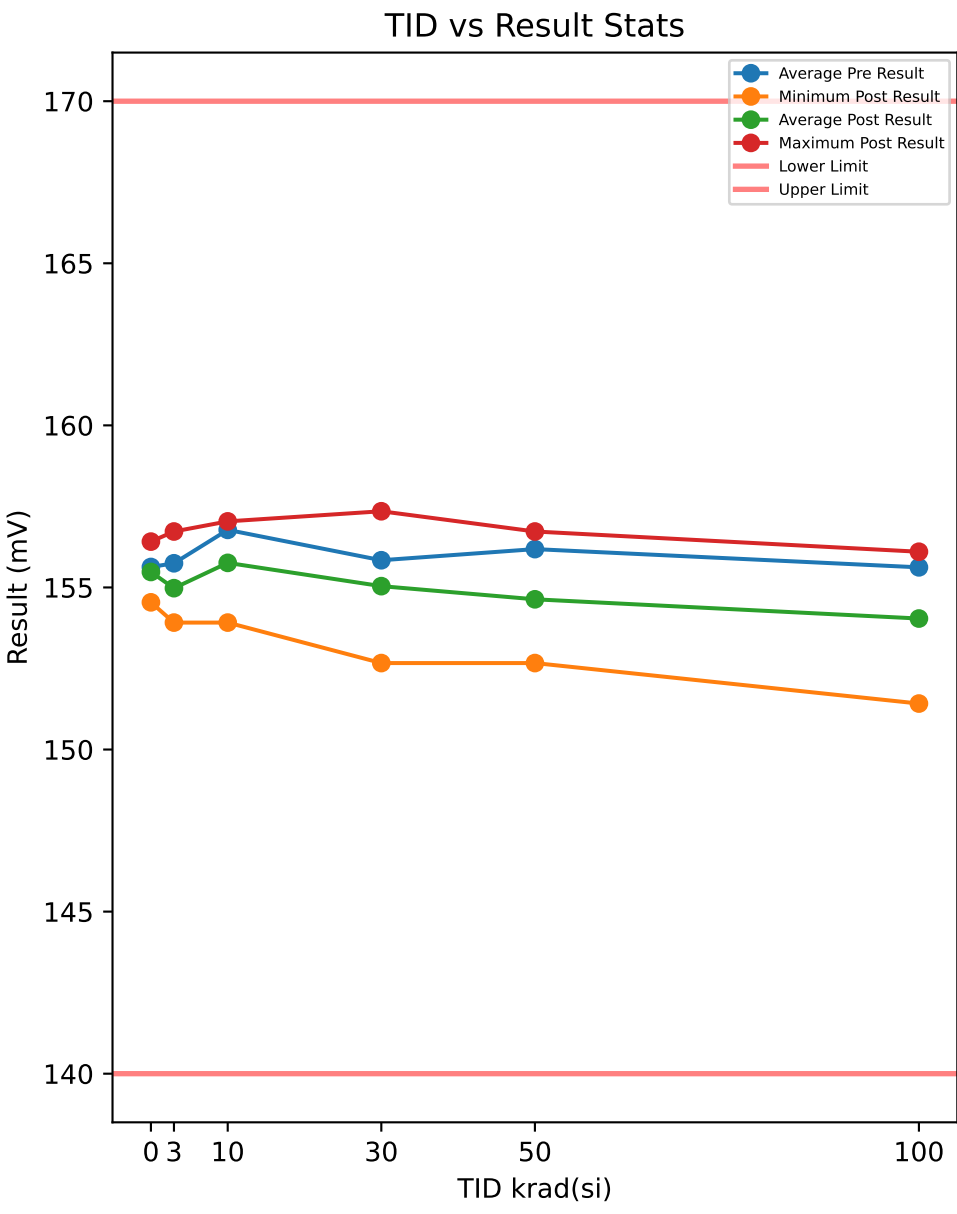
TID vs Post - Pre Exposure Delta



Test Statistics (V)

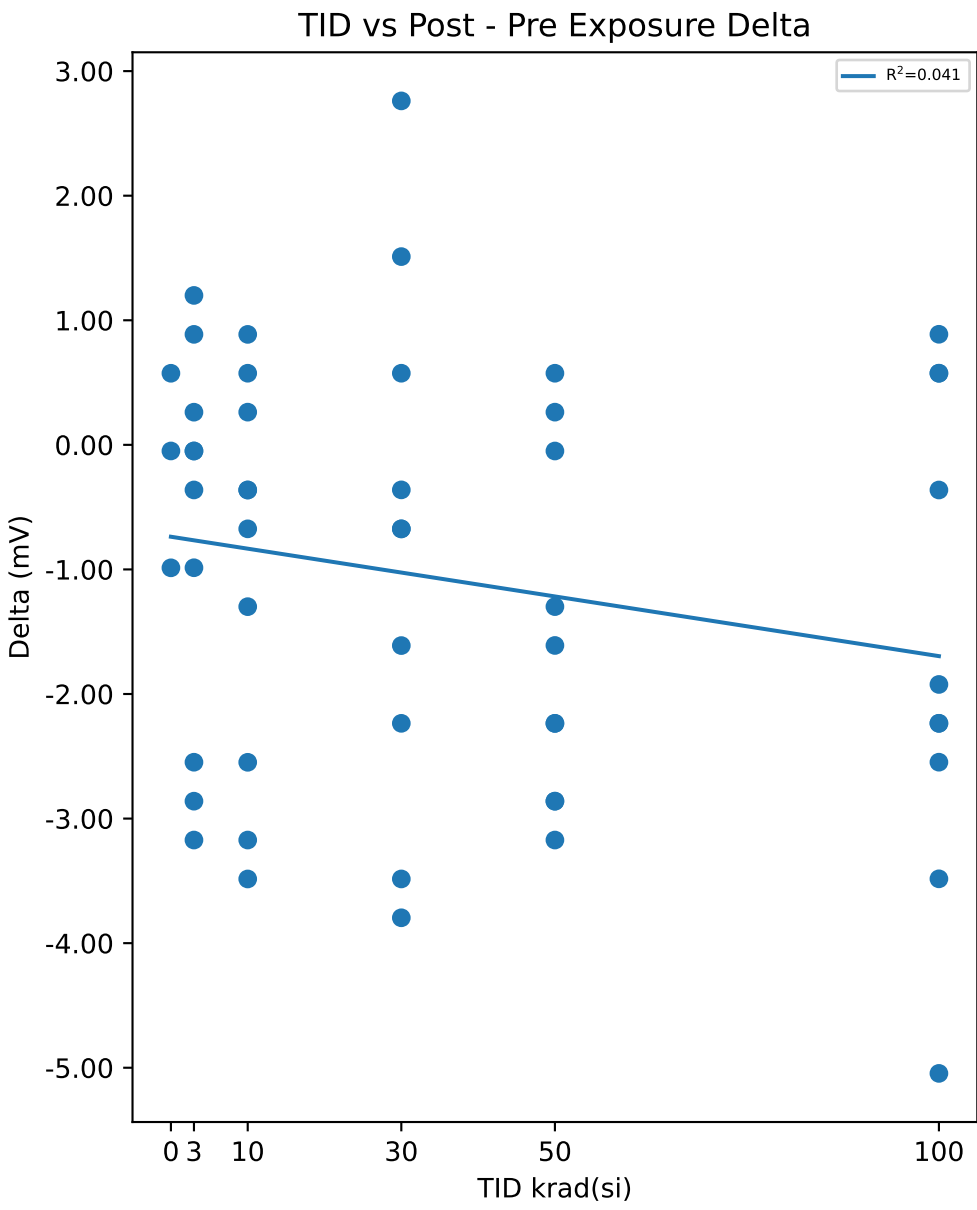
krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	3.6311	3.6395	3.6471	0.0080252	3.6323	3.6402	3.6488	0.0082722	-0.0007	0.00073333	0.0017	0.0012662
3	3.6168	3.6316	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))

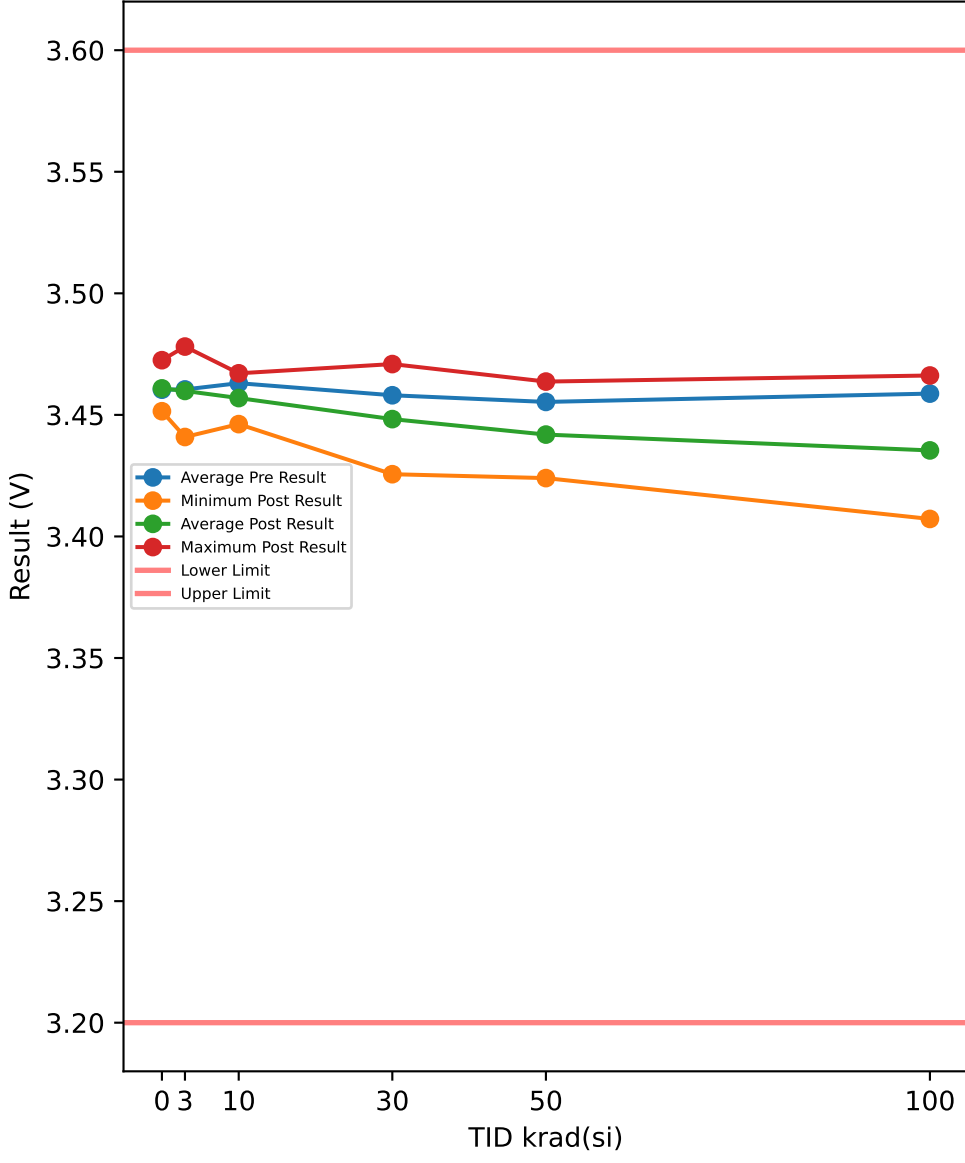
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
390	100	Biased	154.9	151.42	-3.4836
392	100	Biased	157.4	155.17	-2.2354
393	100	Biased	153.34	154.23	0.8876
394	100	Biased	155.84	153.29	-2.5473
395	100	Biased	156.15	154.23	-1.9233
412	100	Unbiased	156.15	155.79	-0.3624
413	100	Unbiased	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

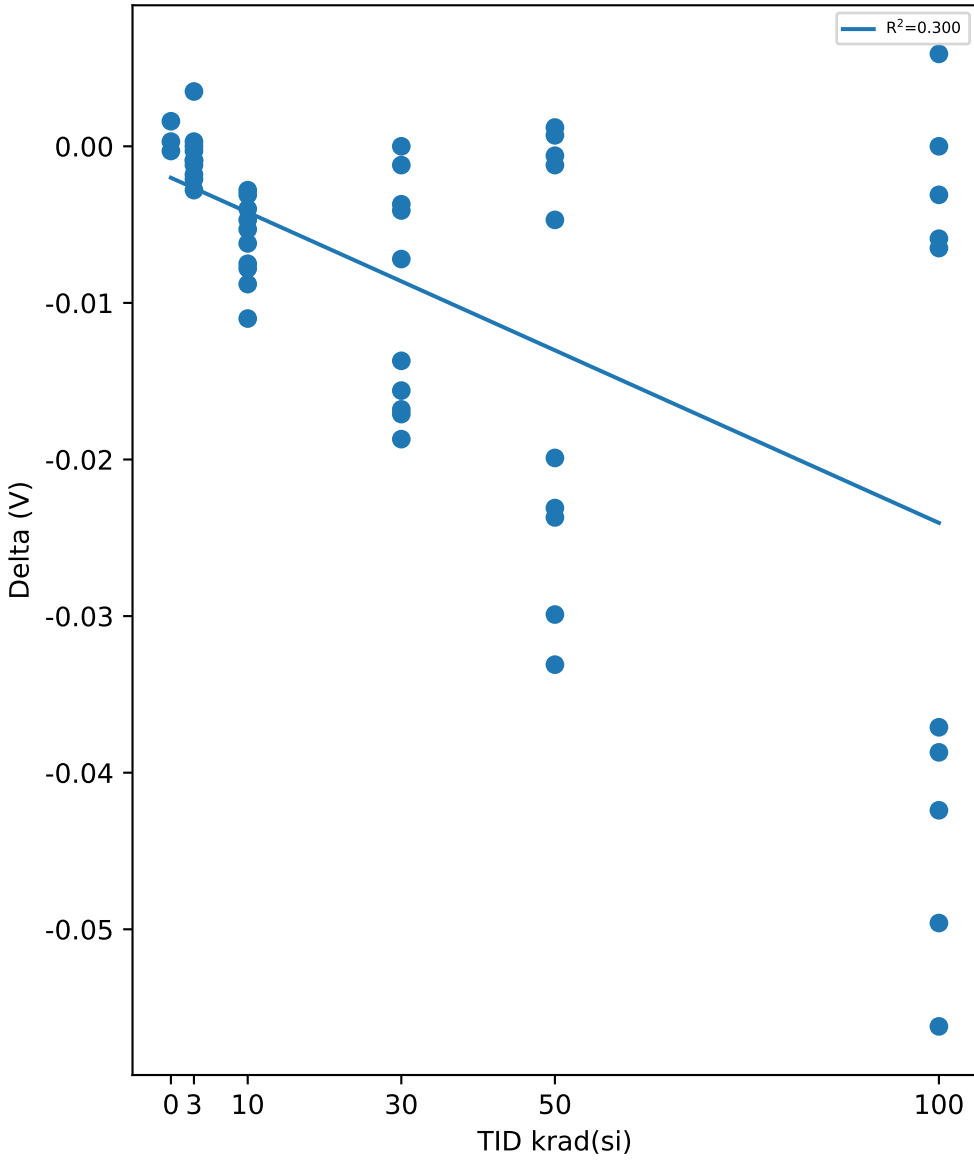
TID vs Result Stats



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

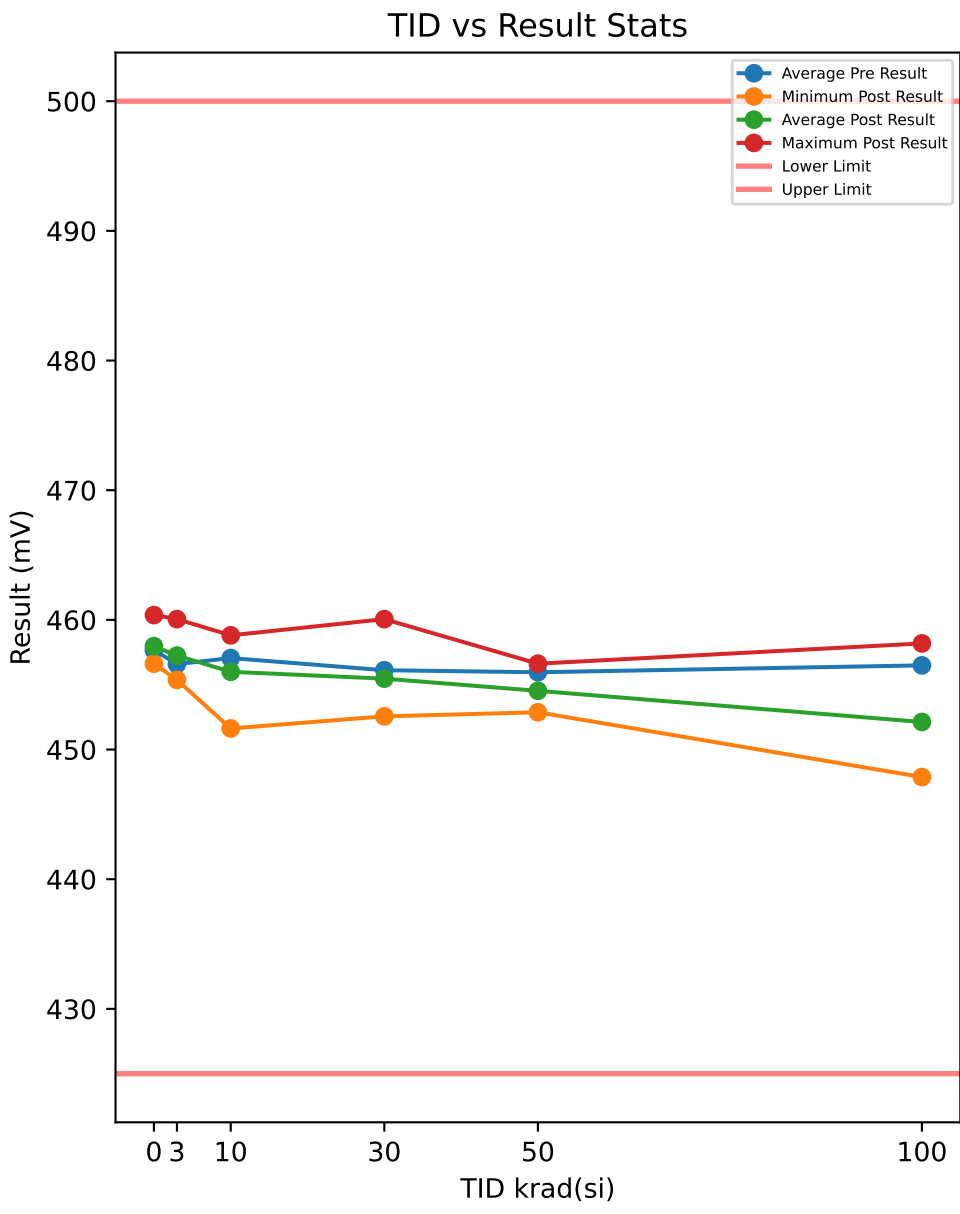
TID vs Post - Pre Exposure Delta



Test Statistics (V)

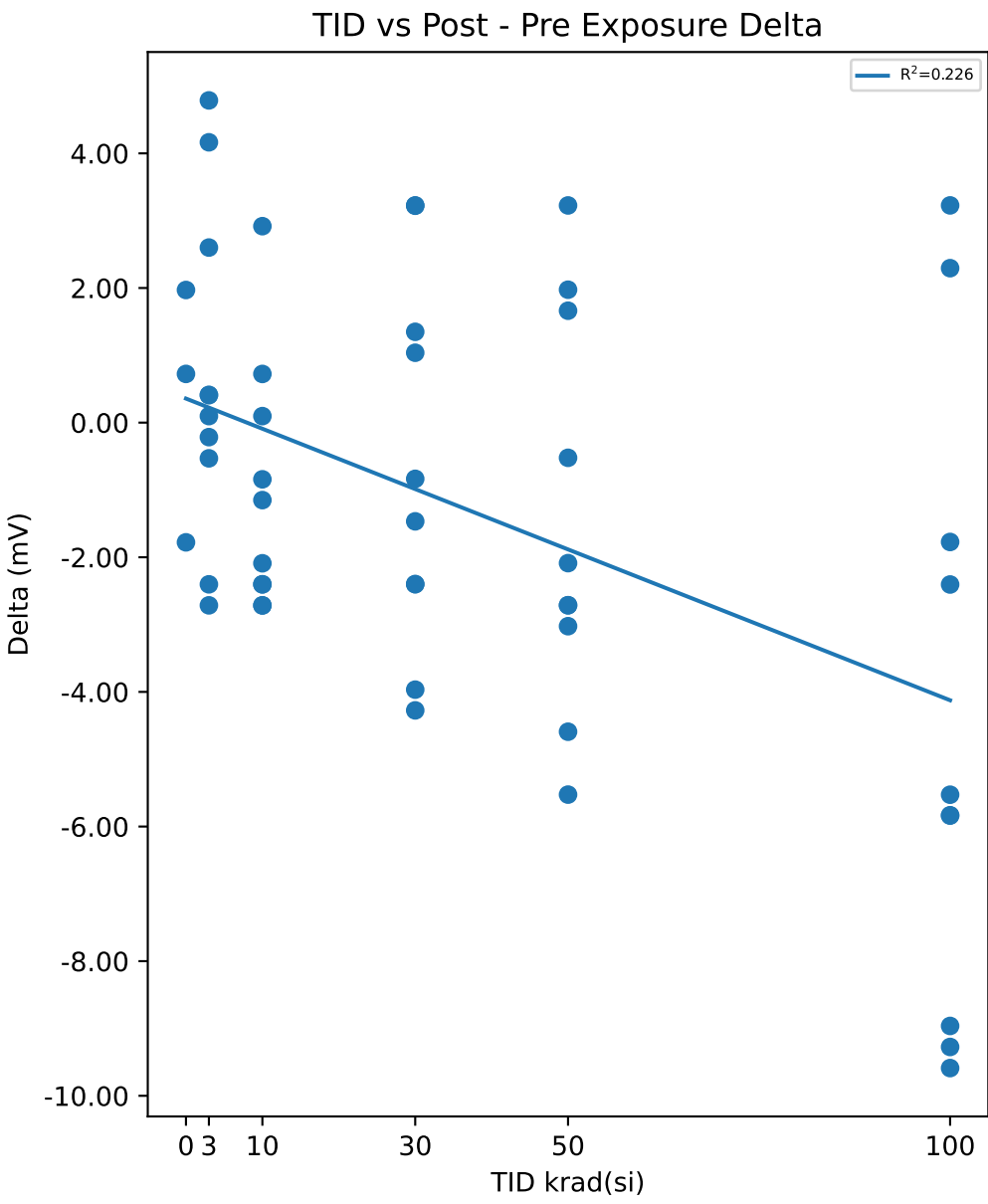
krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	3.4518	3.4604	3.4709	0.0097007	3.4515	3.4609	3.4725	0.010671	-0.0003	0.00053333	0.0016	0.00097125
3	3.4421	3.4605	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

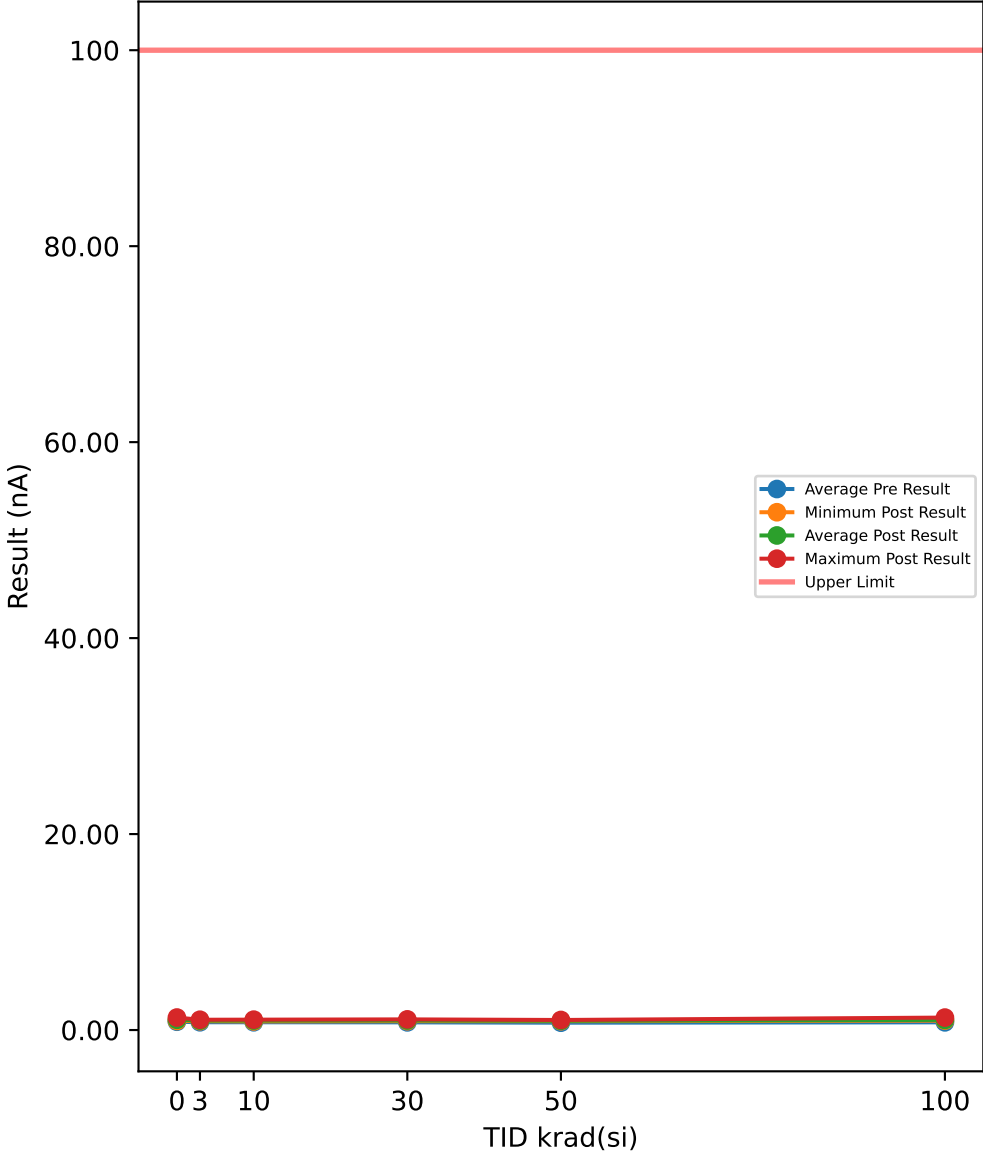


Test Statistics (mV)

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)

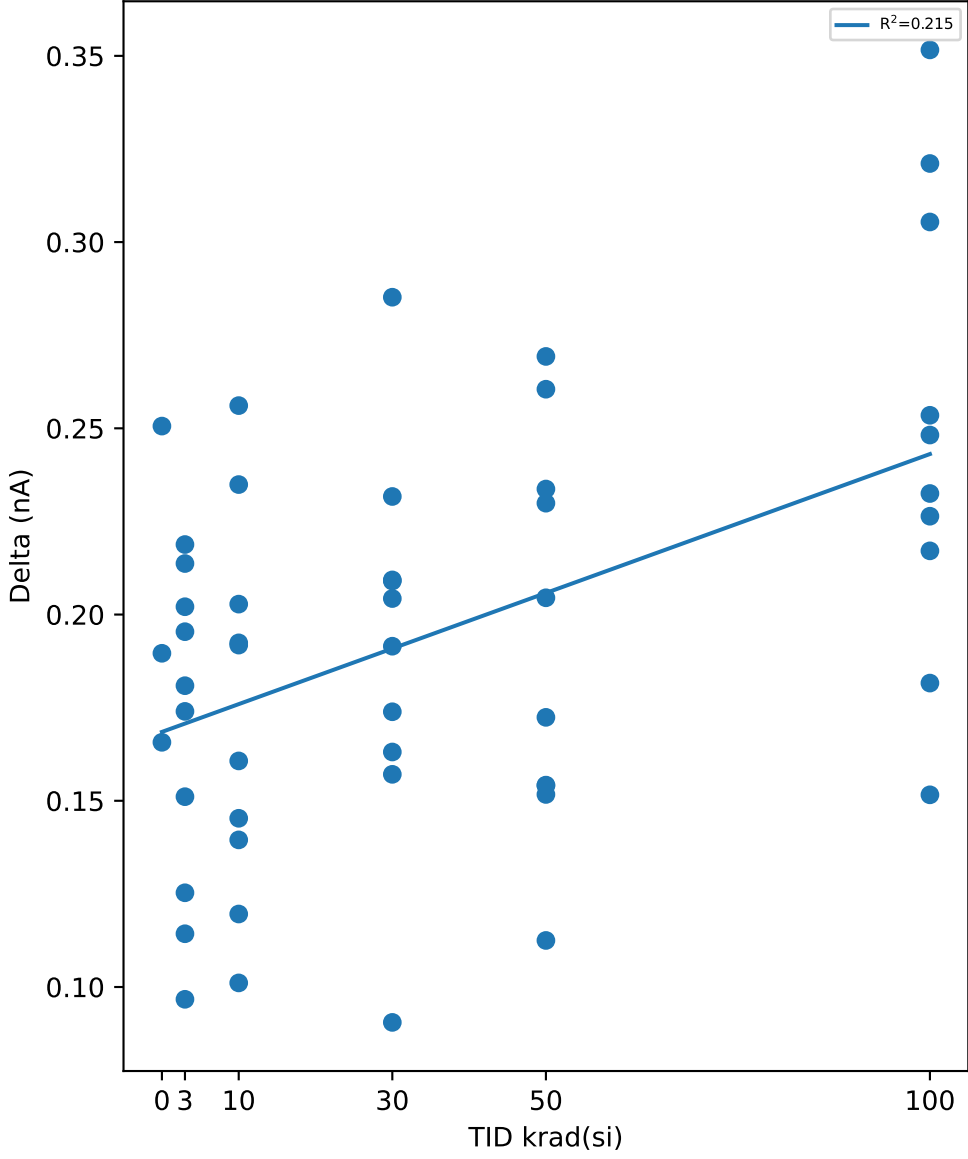
TID vs Result Stats



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

TID vs Post - Pre Exposure Delta

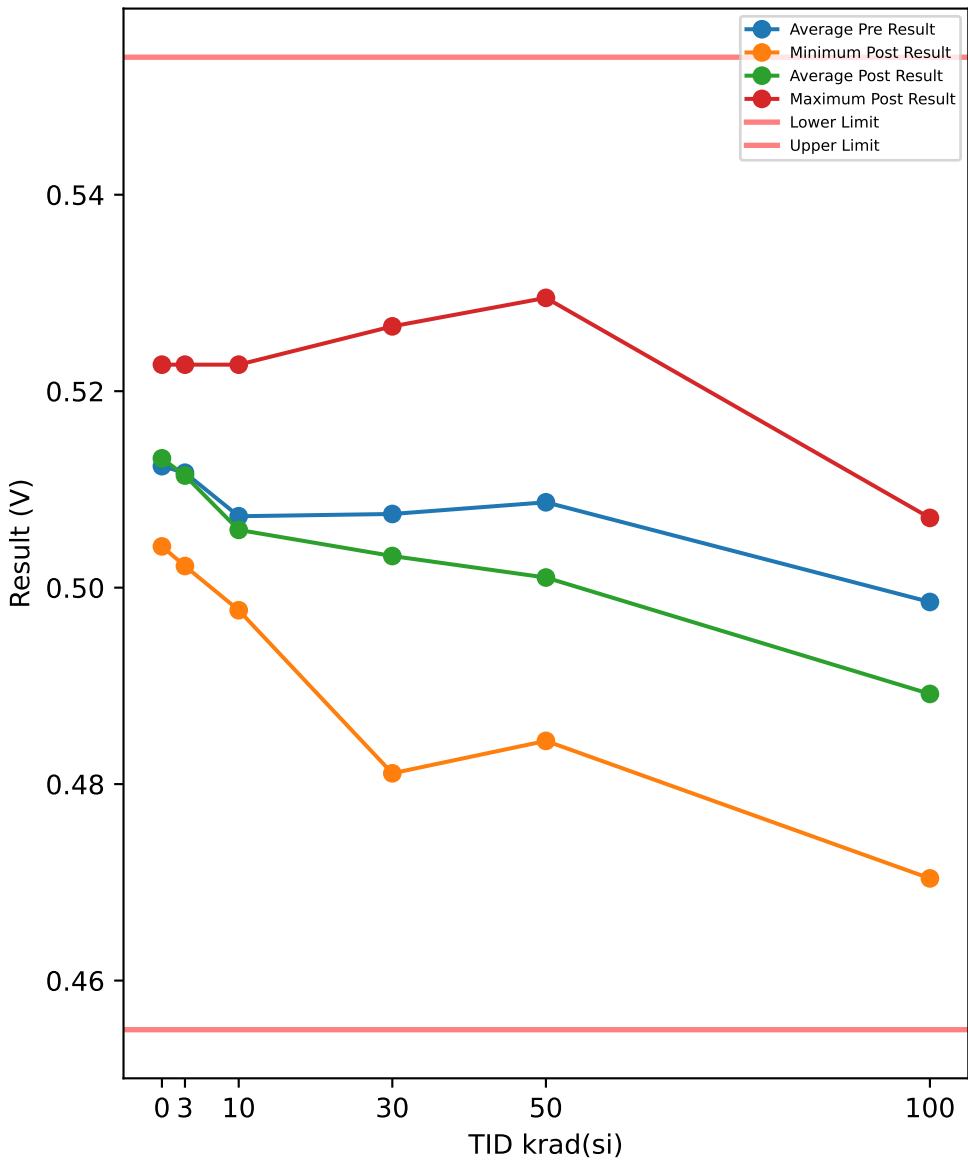


Test Statistics (nA)

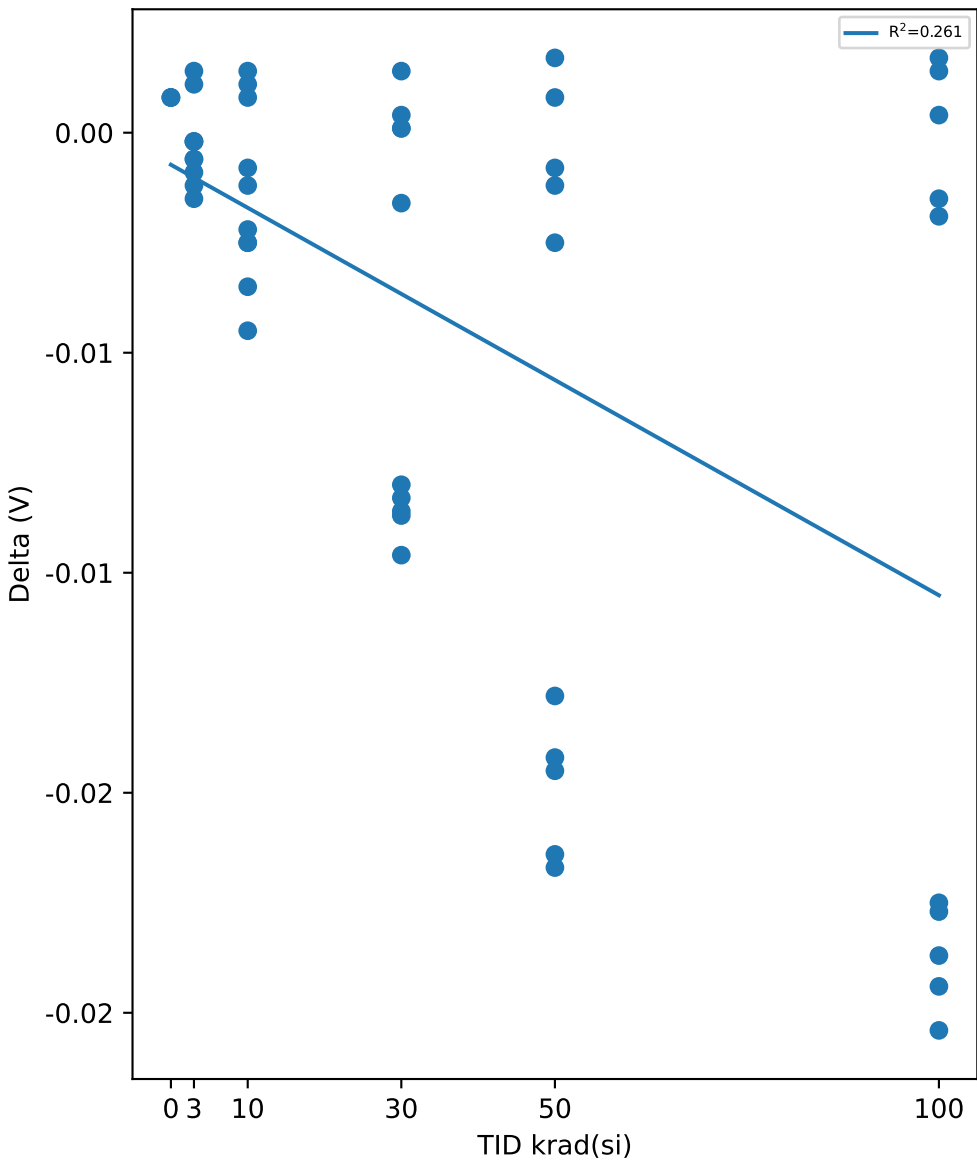
krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	0.6763	0.8478	1.1106	0.2311	0.9269	1.0498	1.2763	0.19642	0.1657	0.20197	0.2506	0.04378
3	0.7227	0.79424	0.8885	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)

TID vs Result Stats



TID vs Post - Pre Exposure Delta



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

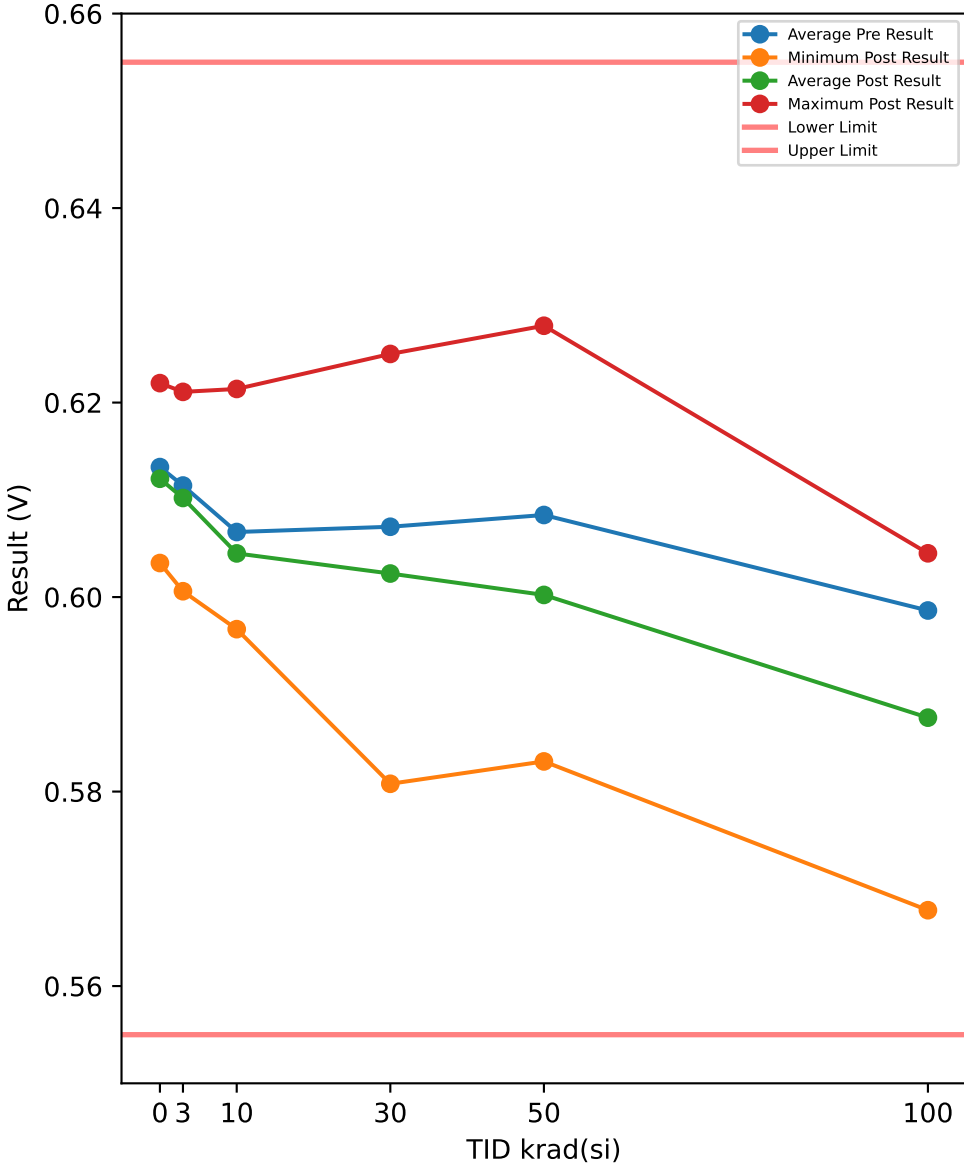
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
390	100	Biased	0.4943	0.4749	-0.0194
392	100	Biased	0.4881	0.4704	-0.0177
393	100	Biased	0.5028	0.4853	-0.0175
394	100	Biased	0.493	0.4743	-0.0187
395	100	Biased	0.5067	0.4863	-0.0204
412	100	Unbiased	0.505	0.5035	-0.0015
413	100	Unbiased	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)

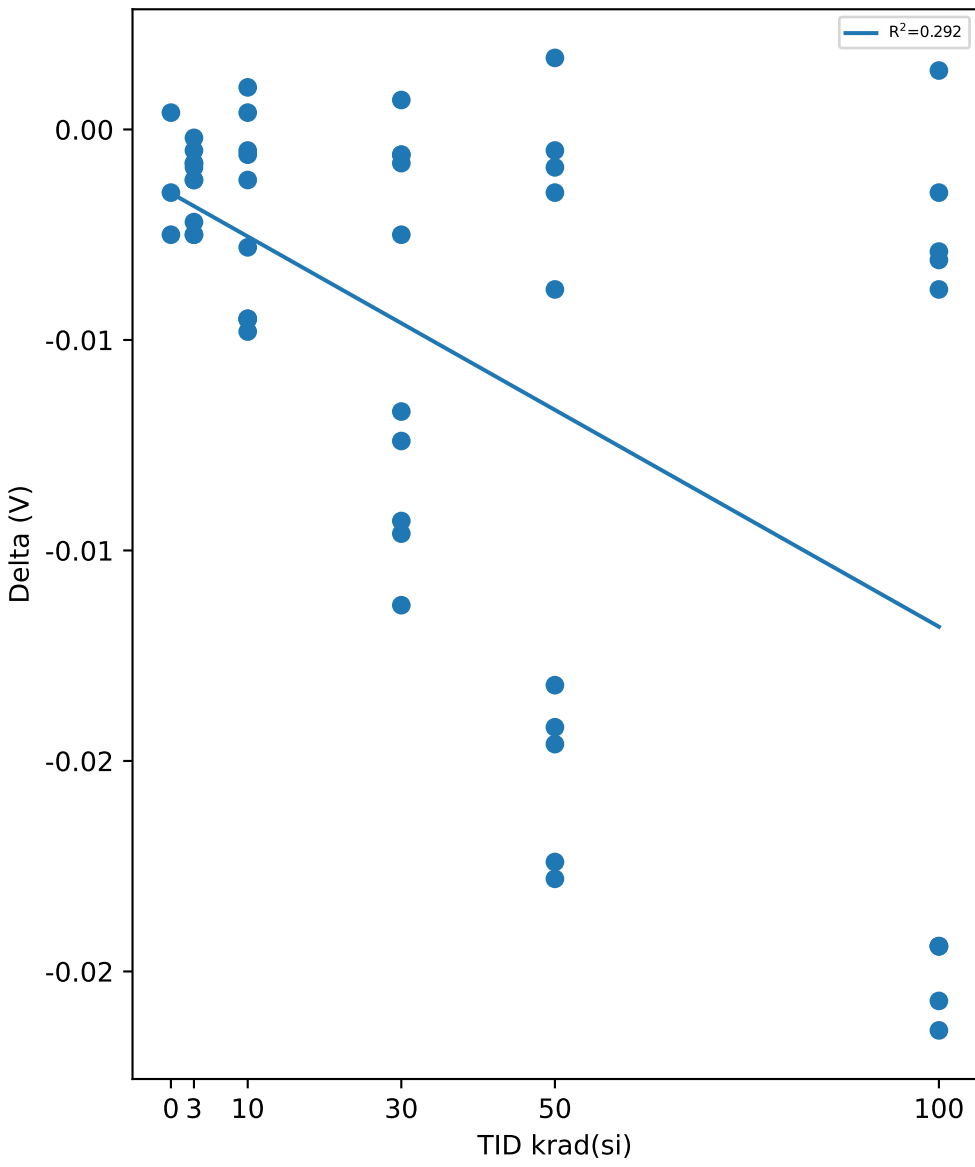
TID vs Result Stats



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

TID vs Post - Pre Exposure Delta

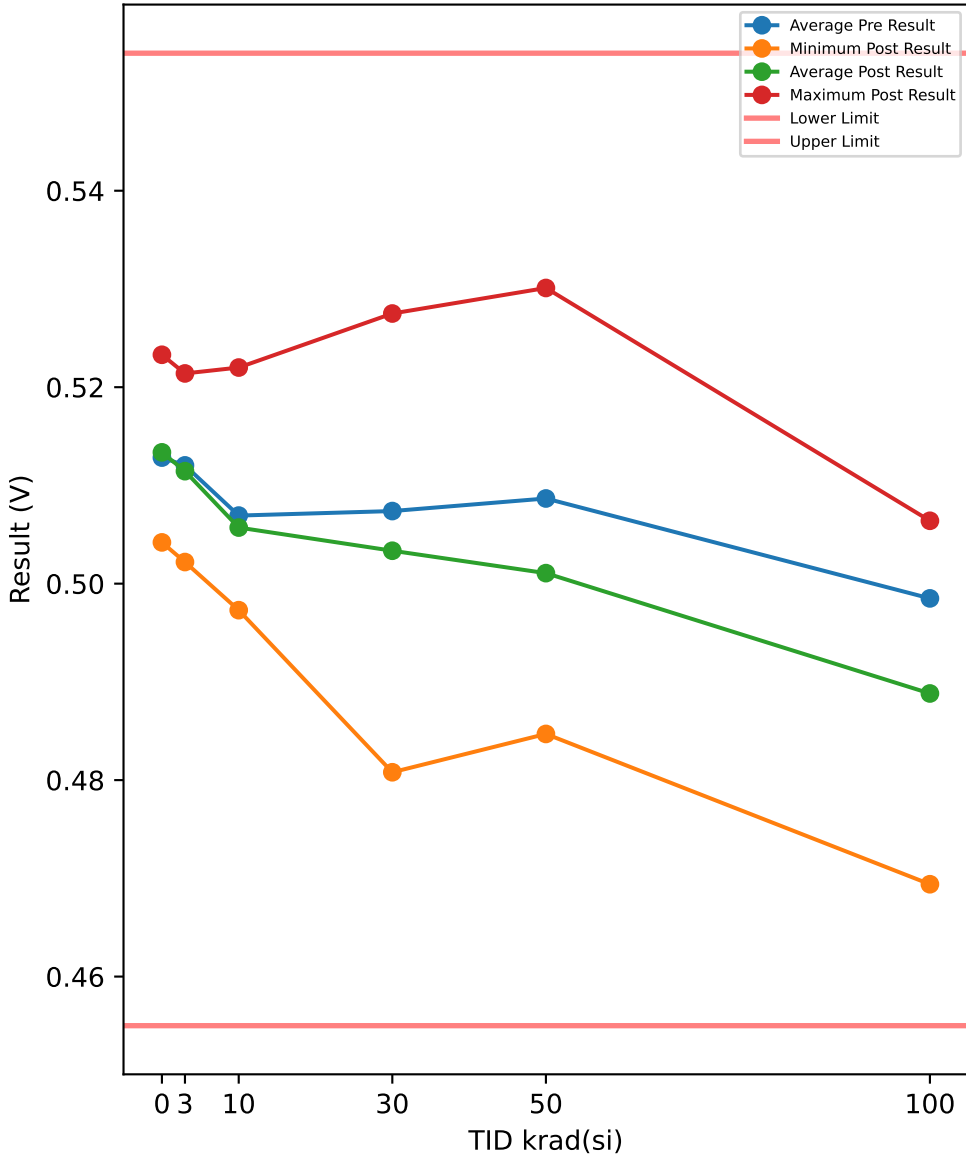


Test Statistics (V)

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	0.6031	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)

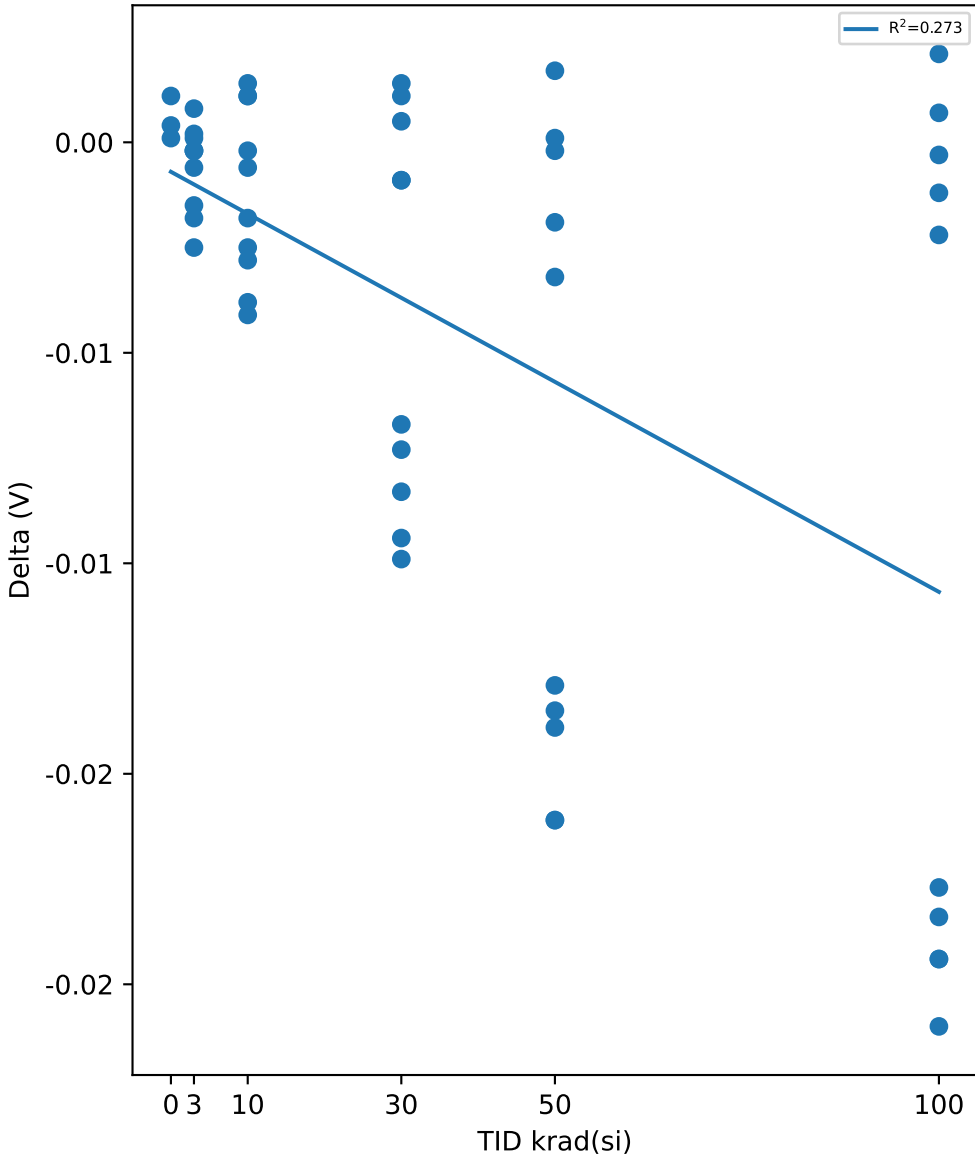
TID vs Result Stats



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

TID vs Post - Pre Exposure Delta

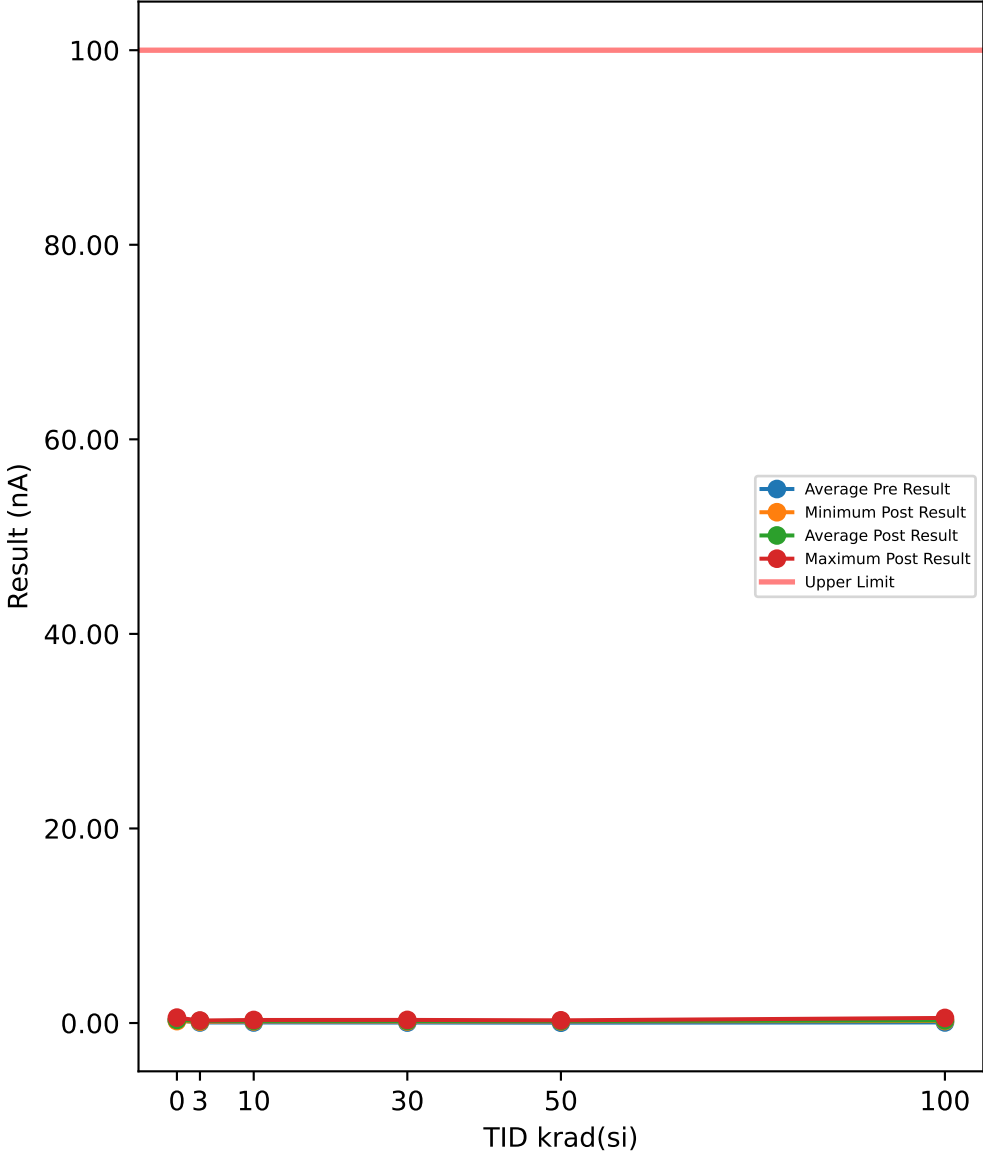


Test Statistics (V)

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	0.5041	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)

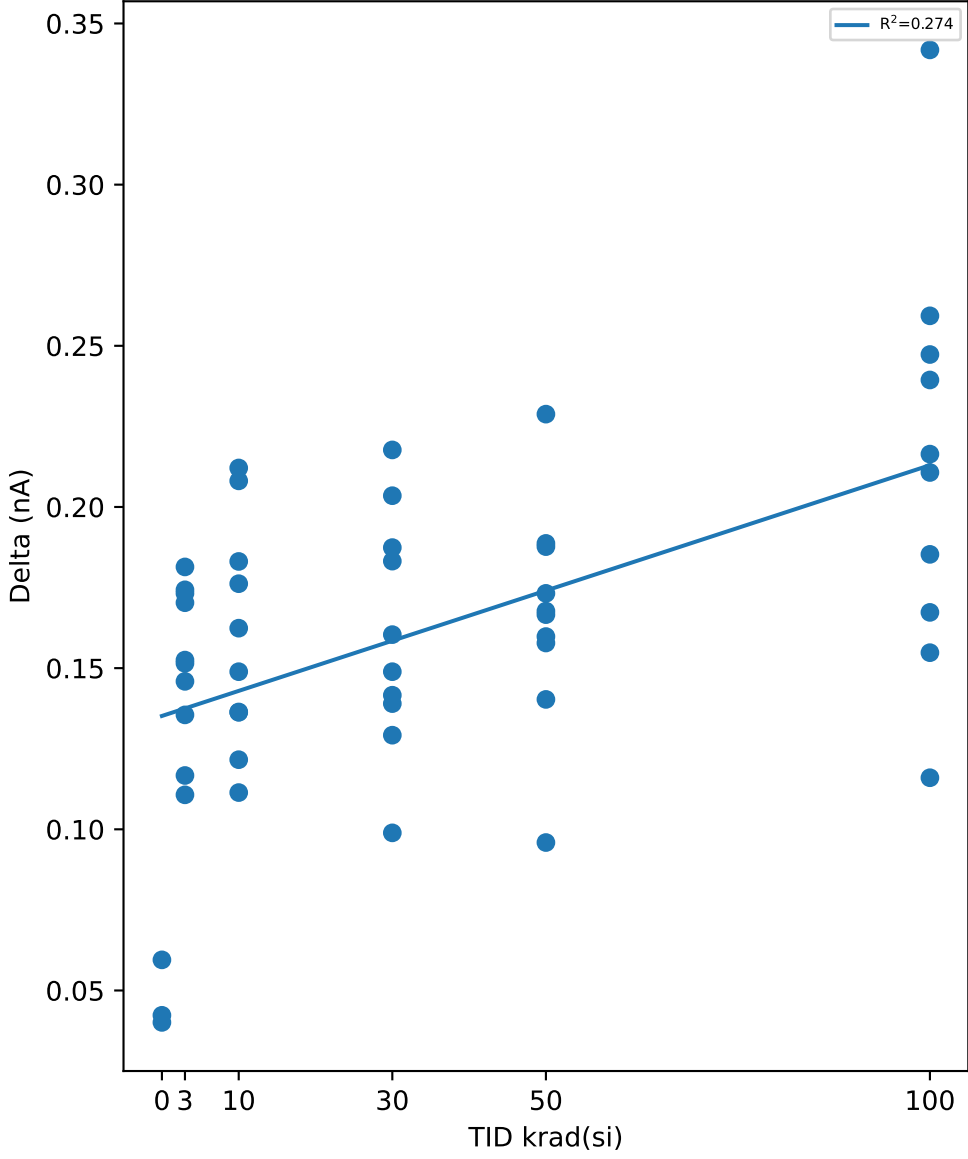
TID vs Result Stats



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

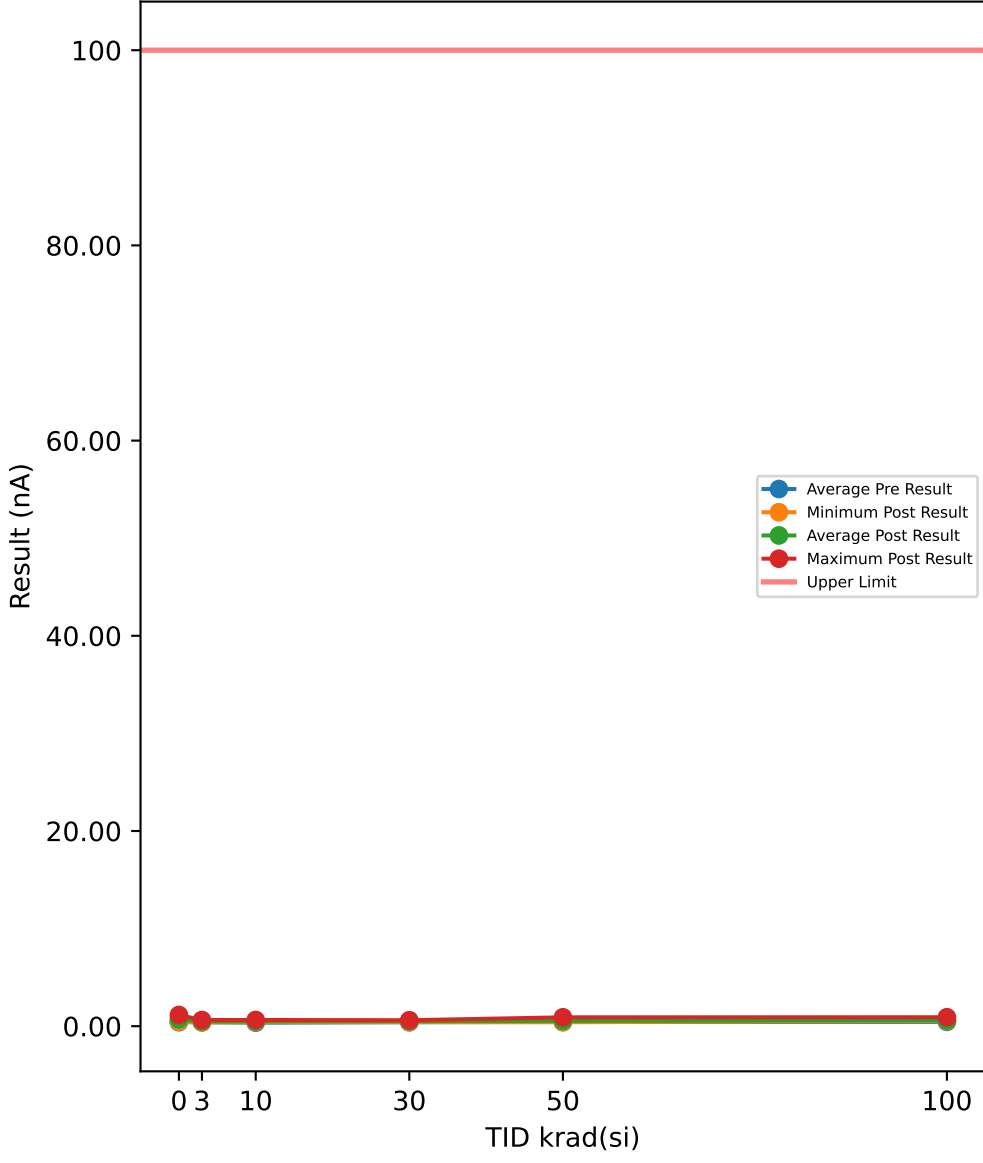
TID vs Post - Pre Exposure Delta



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

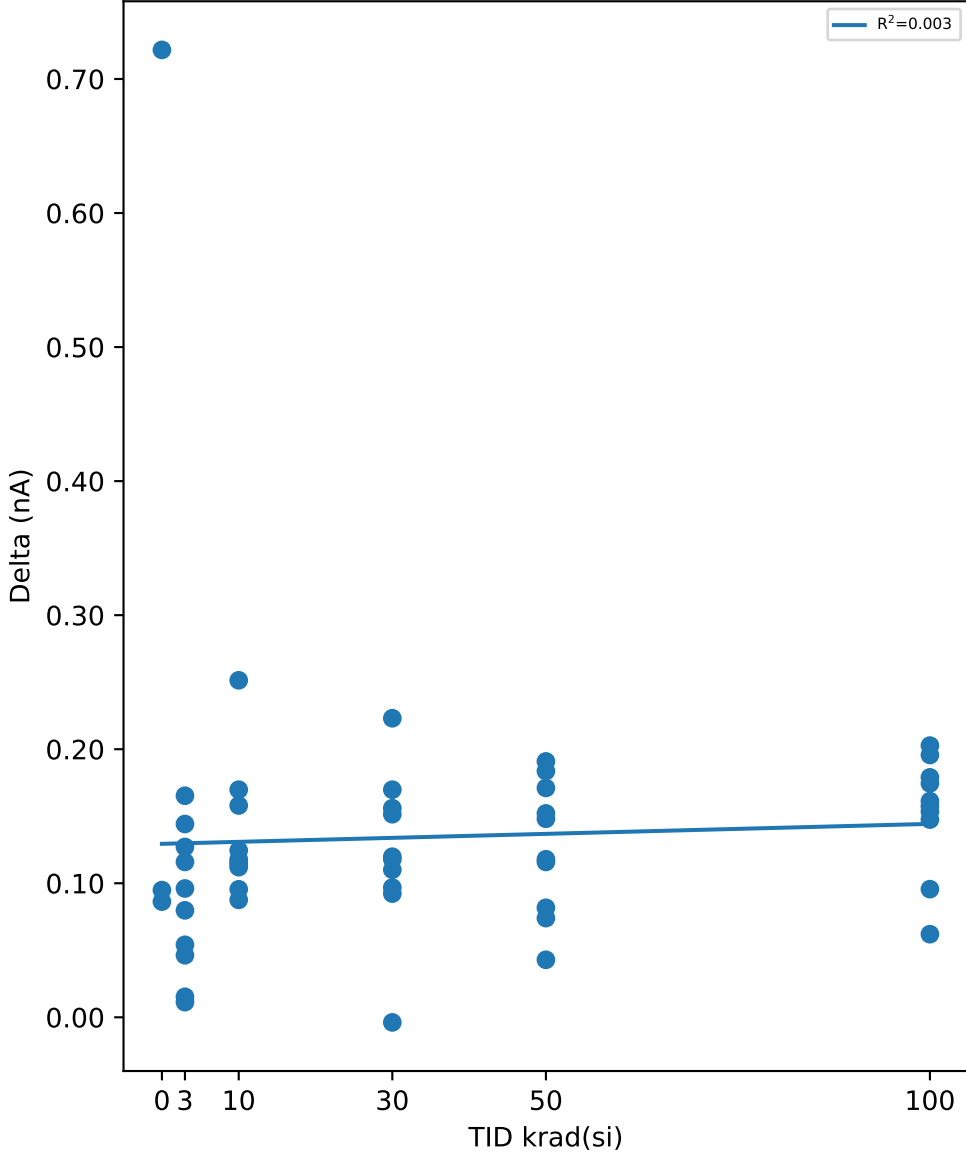
TID vs Result Stats



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

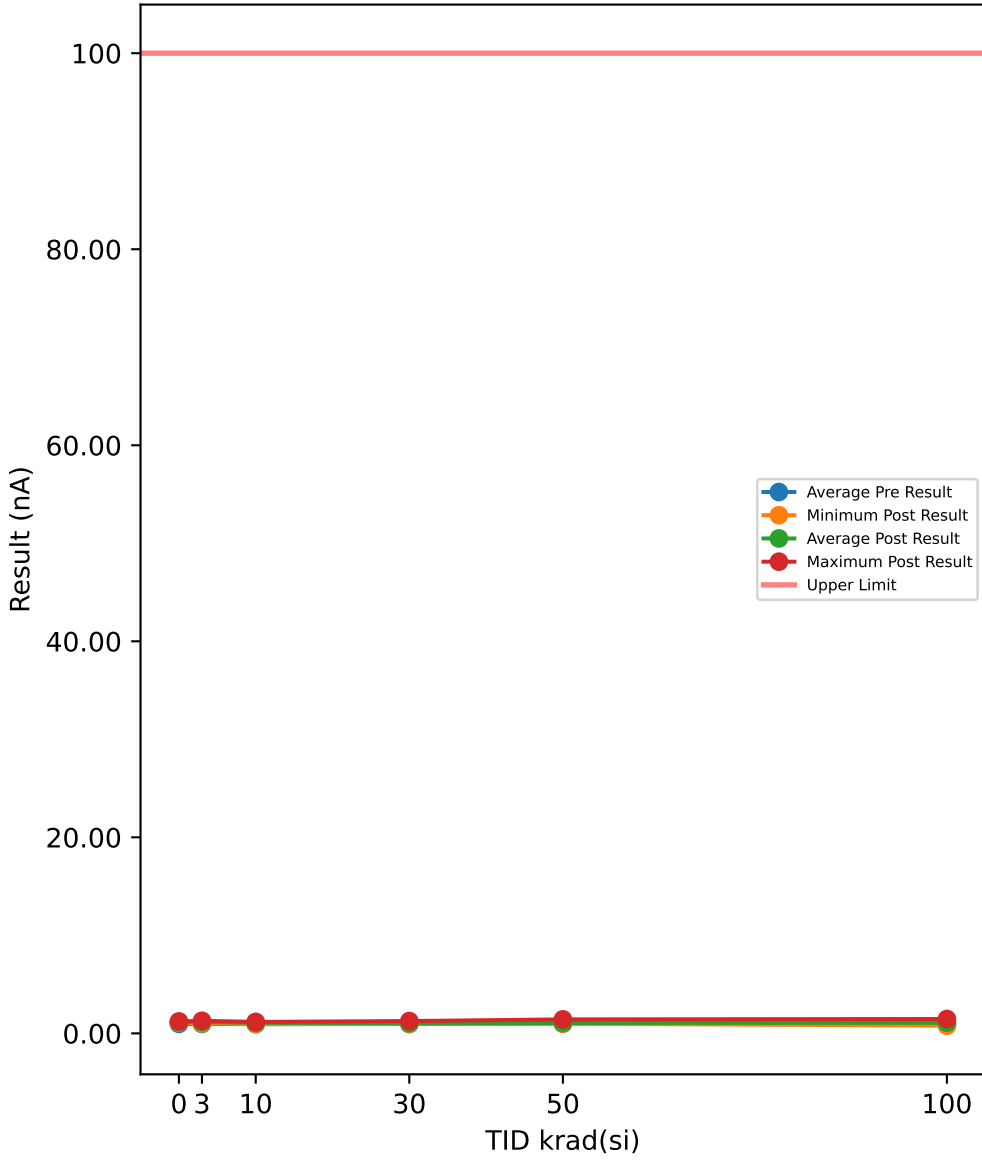
TID vs Post - Pre Exposure Delta



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

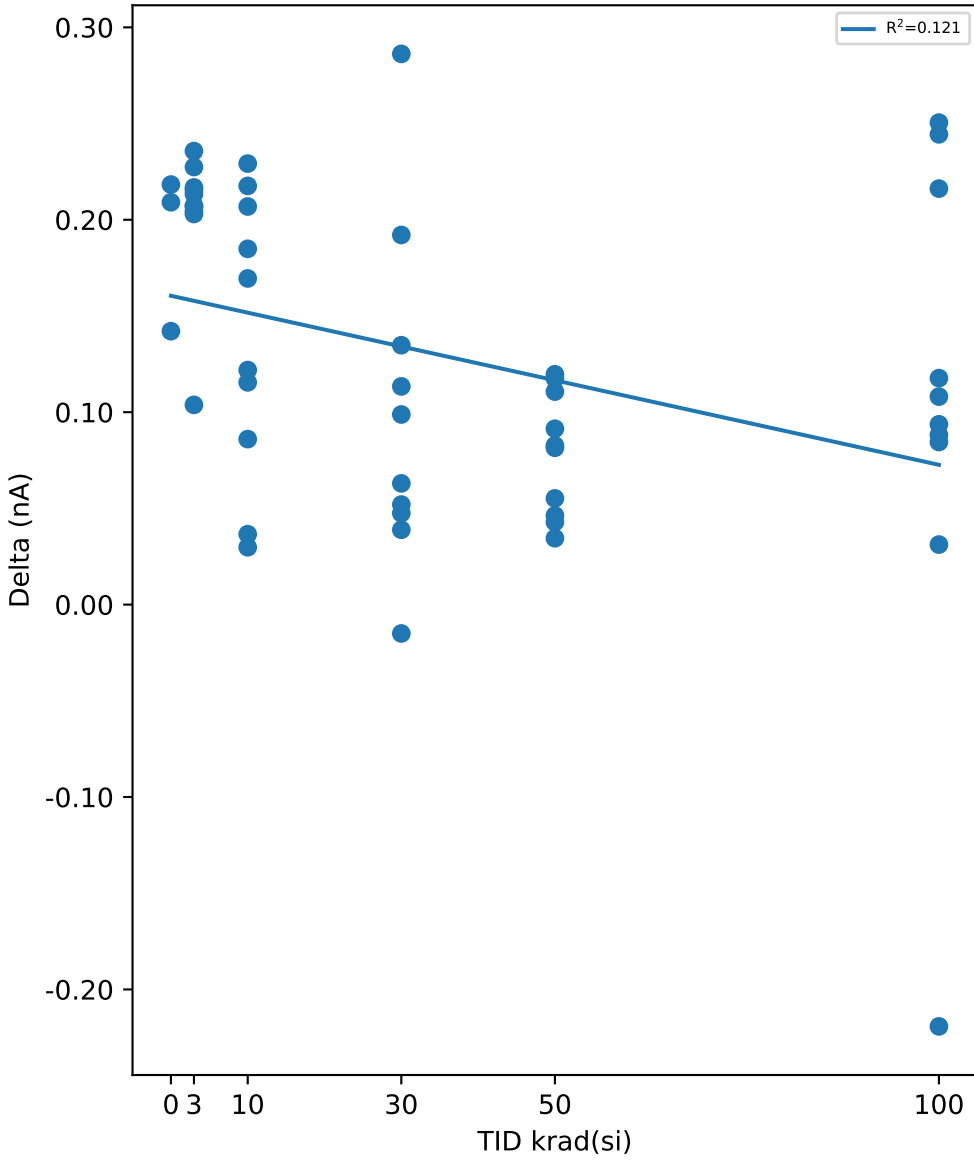
TID vs Result Stats



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

TID vs Post - Pre Exposure Delta

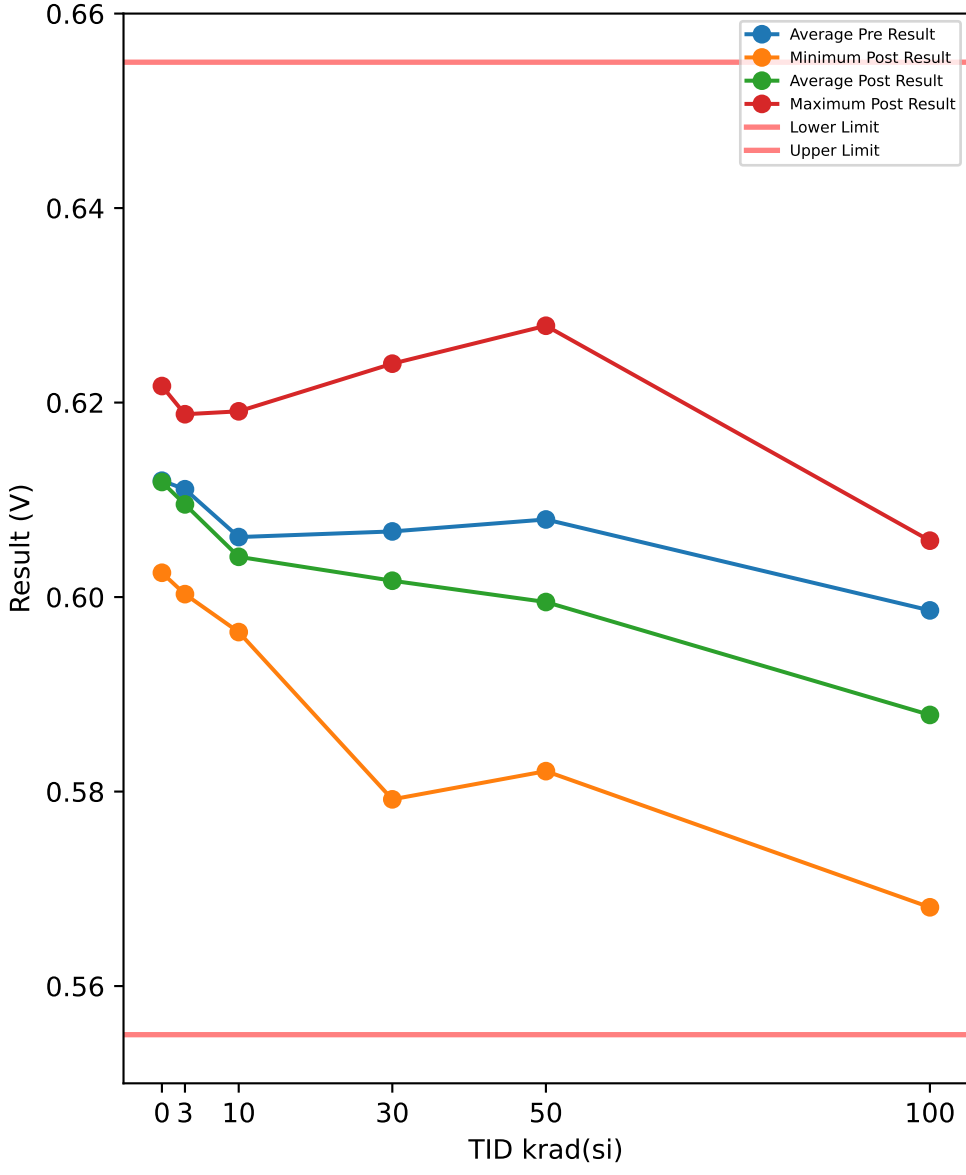


Test Statistics (nA)

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)

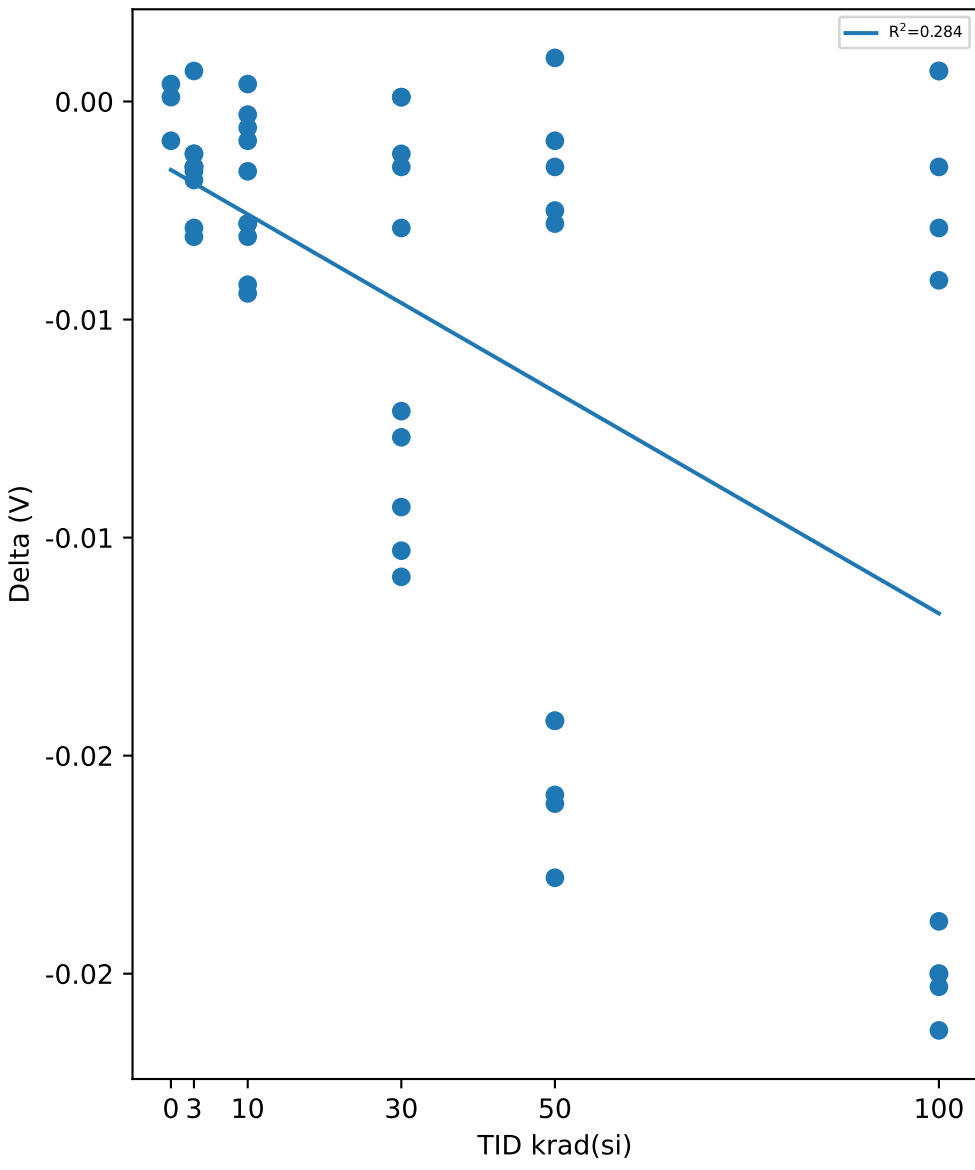
TID vs Result Stats



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

TID vs Post - Pre Exposure Delta

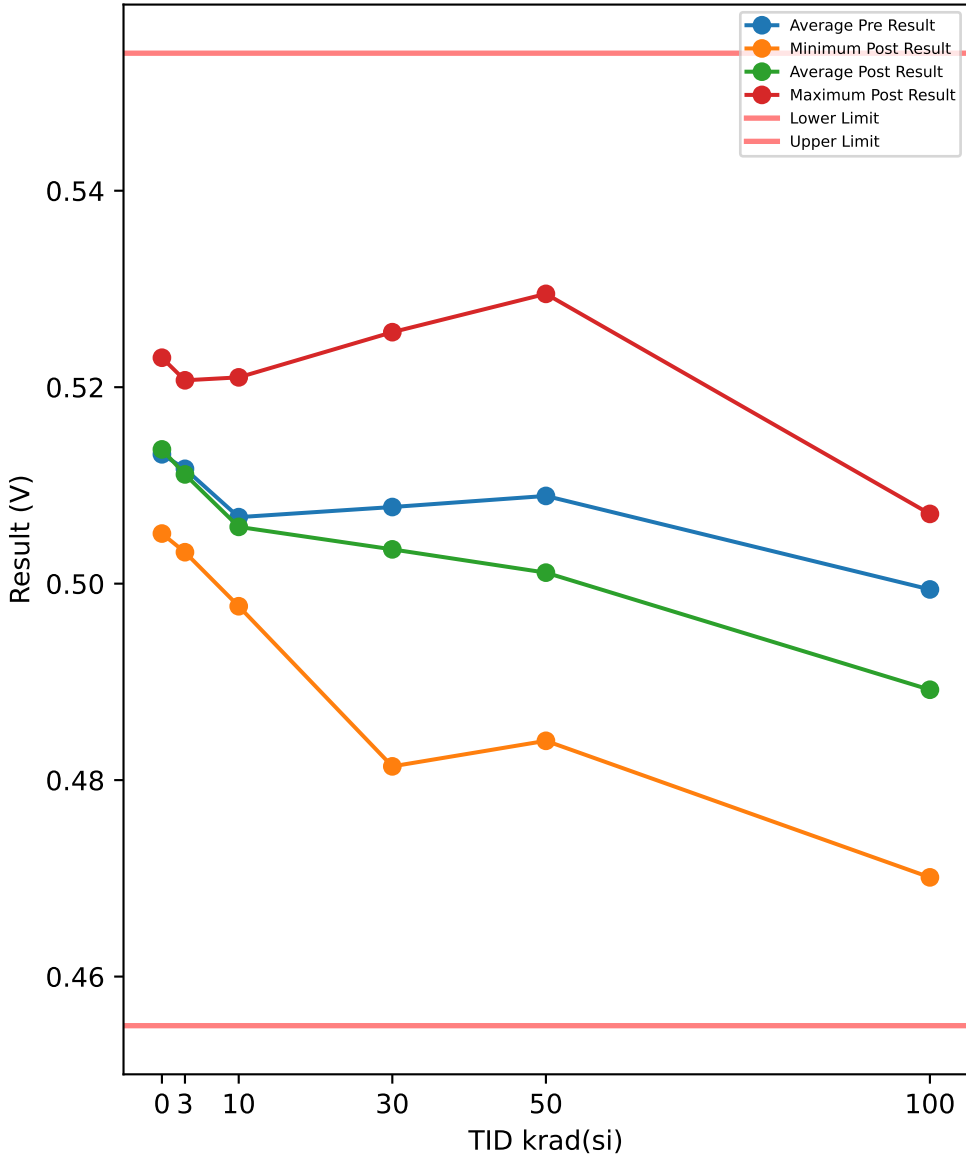


Test Statistics (V)

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	0.6021	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)

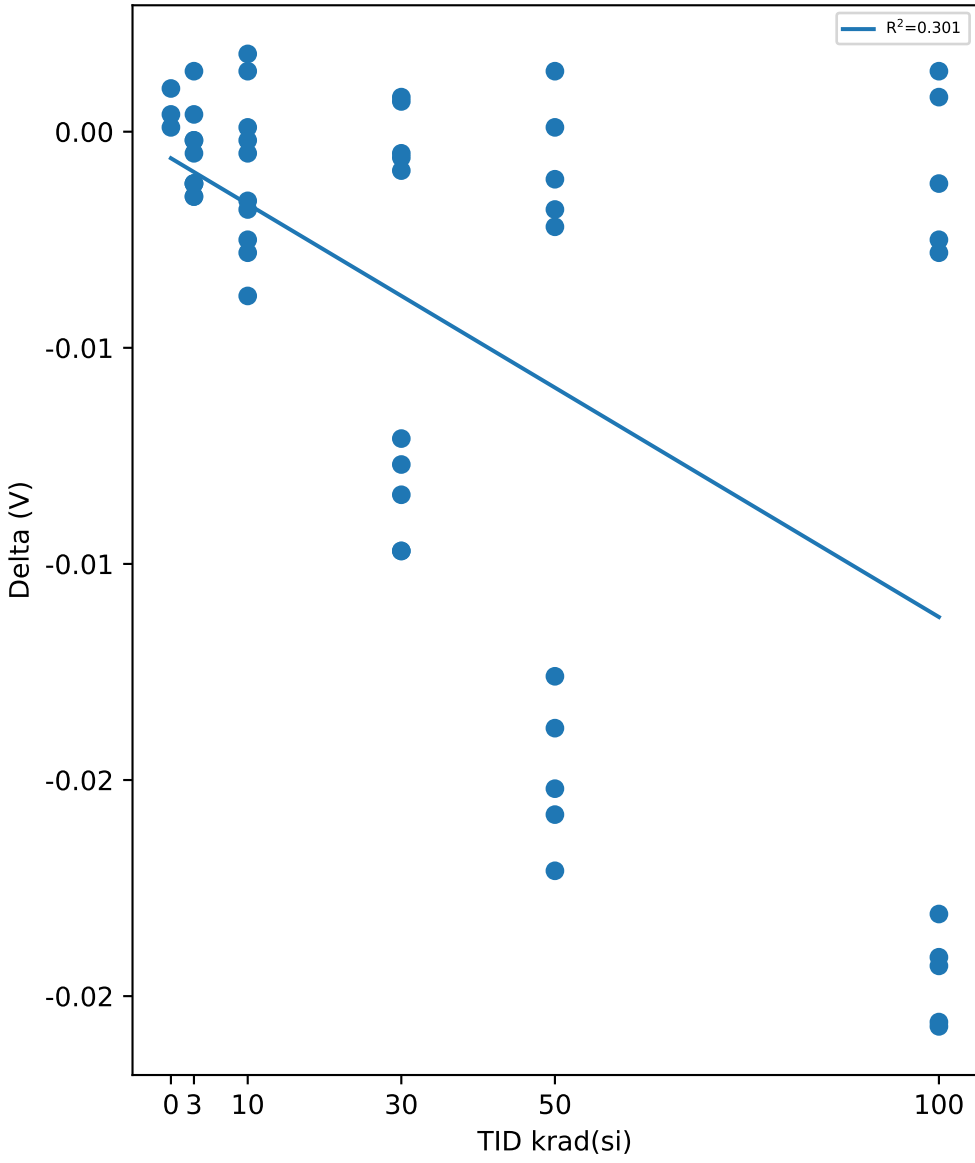
TID vs Result Stats



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

TID vs Post - Pre Exposure Delta

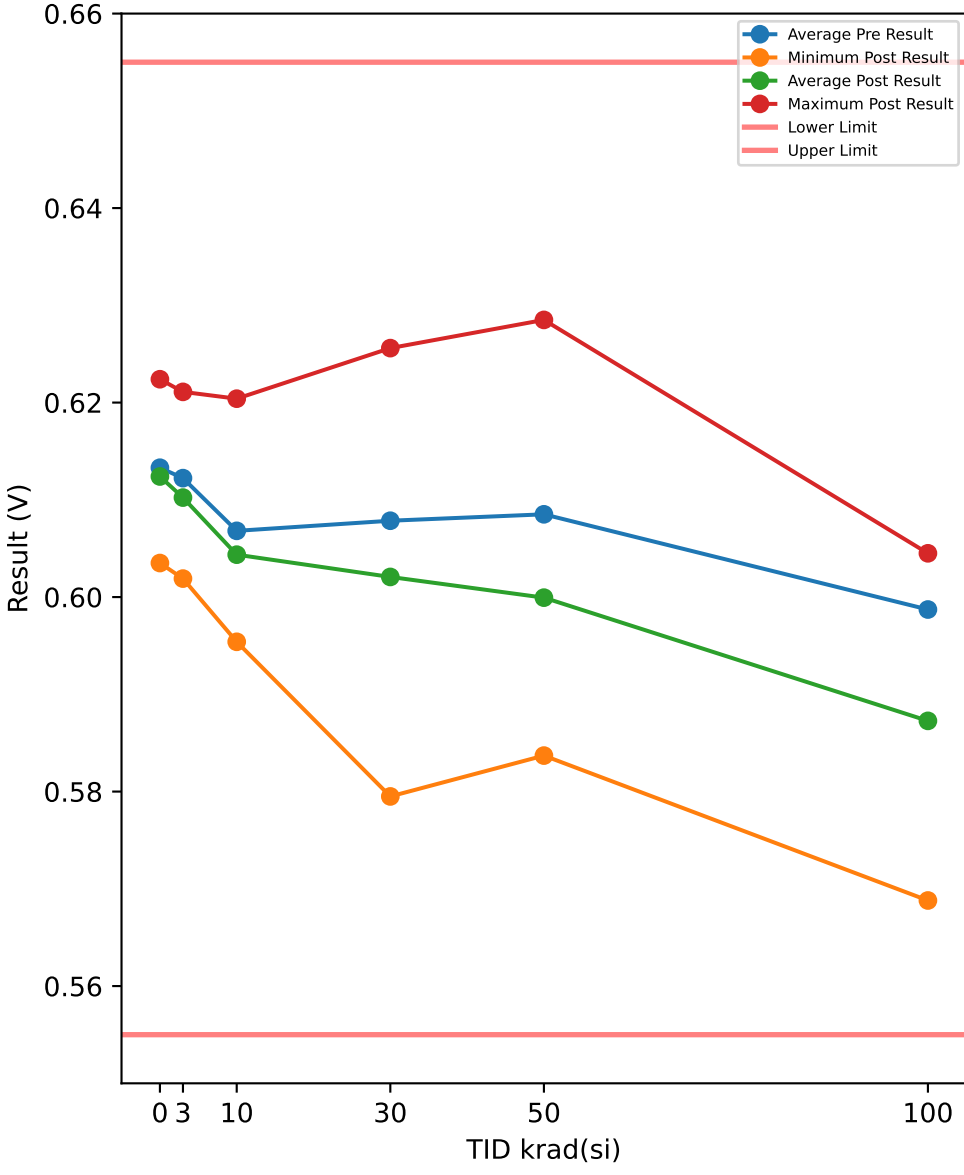


Test Statistics (V)

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	0.5041	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)

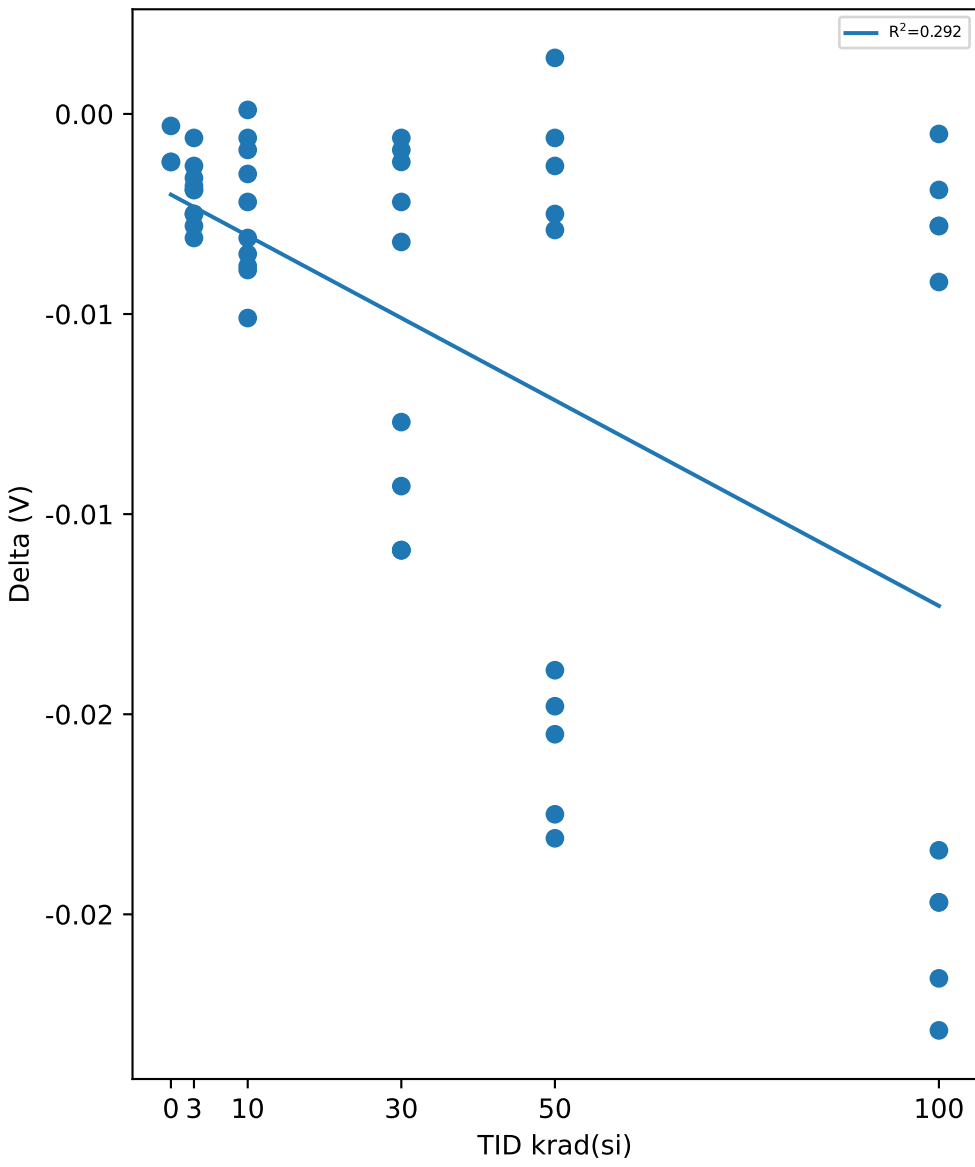
TID vs Result Stats



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

TID vs Post - Pre Exposure Delta

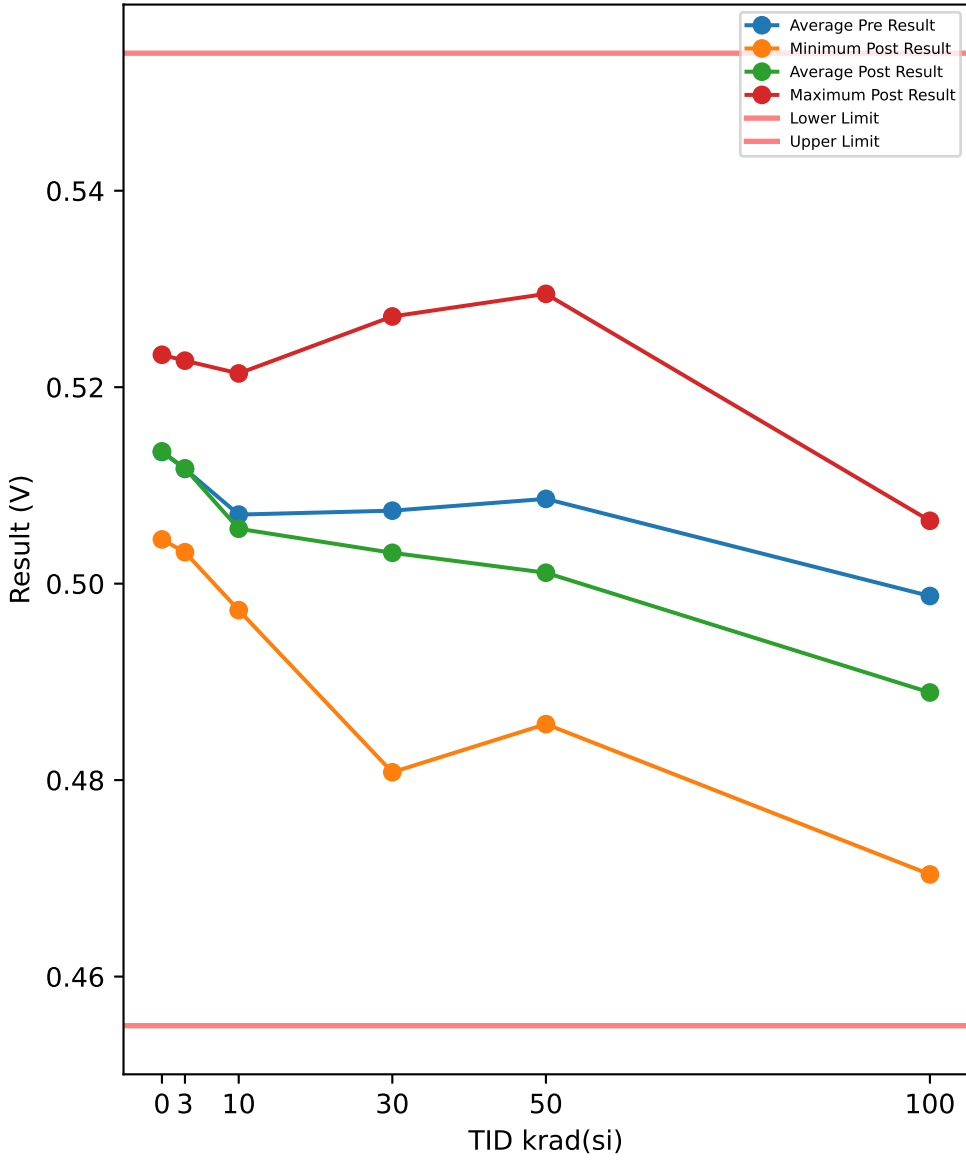


Test Statistics (V)

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	0.6047	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)

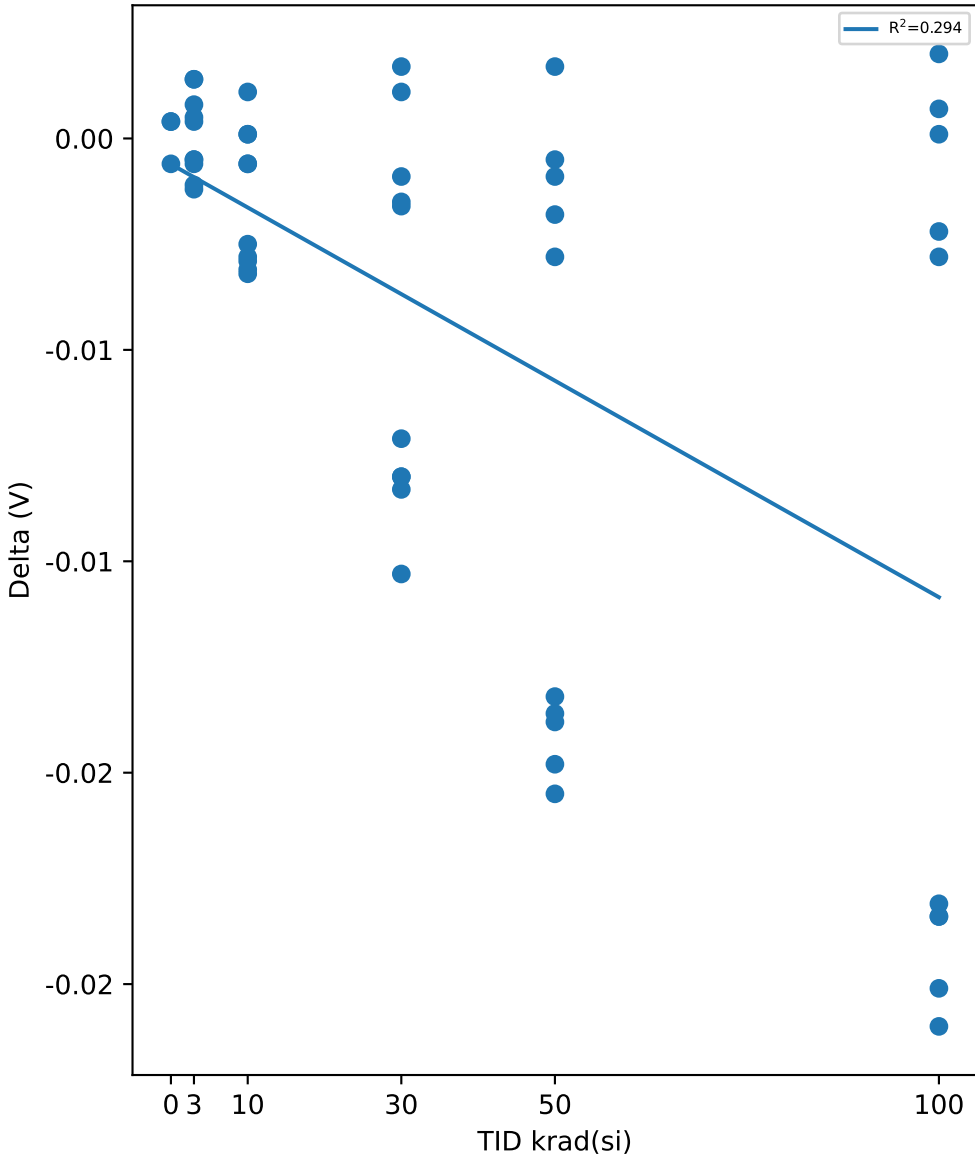
TID vs Result Stats



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

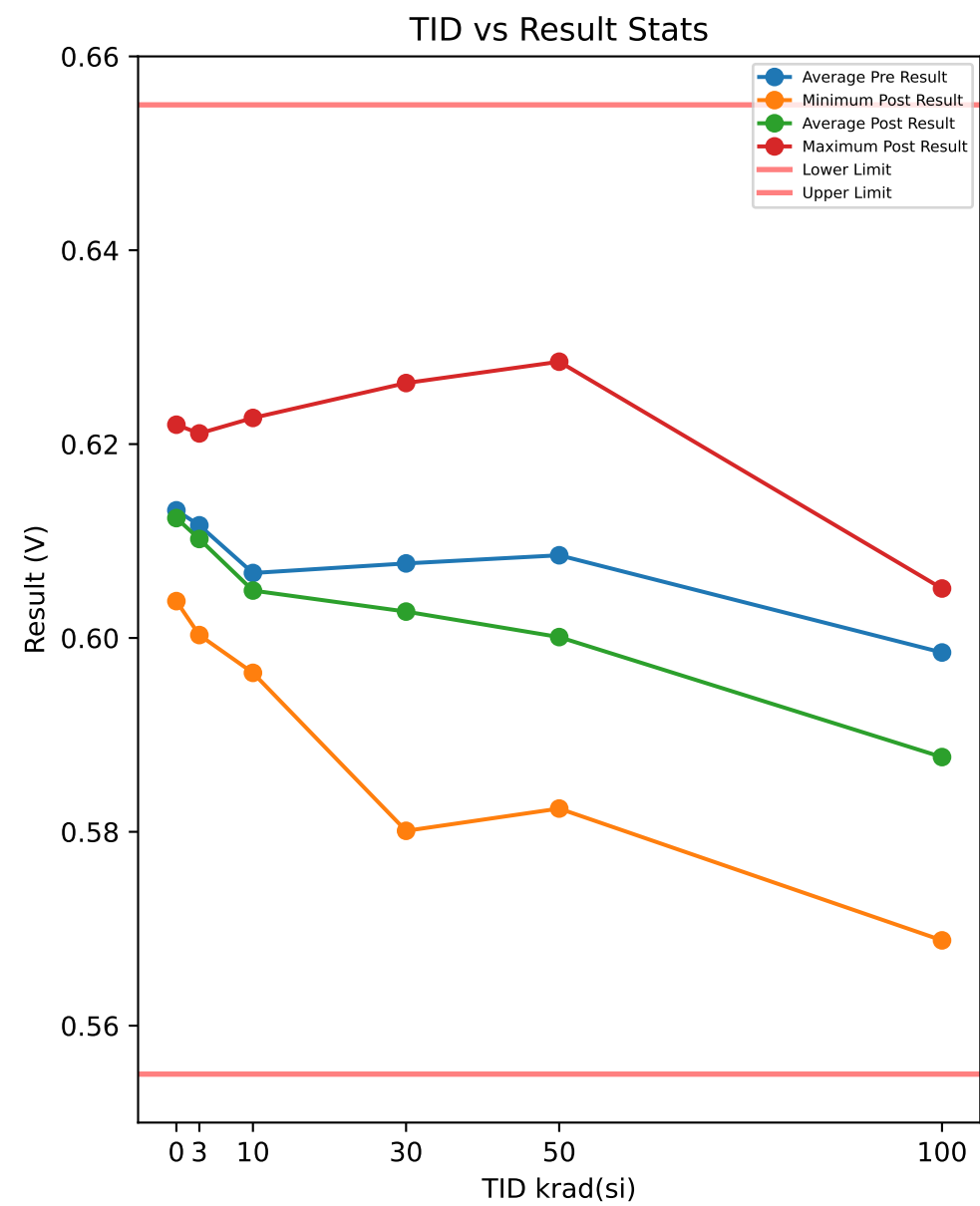
TID vs Post - Pre Exposure Delta



Test Statistics (V)

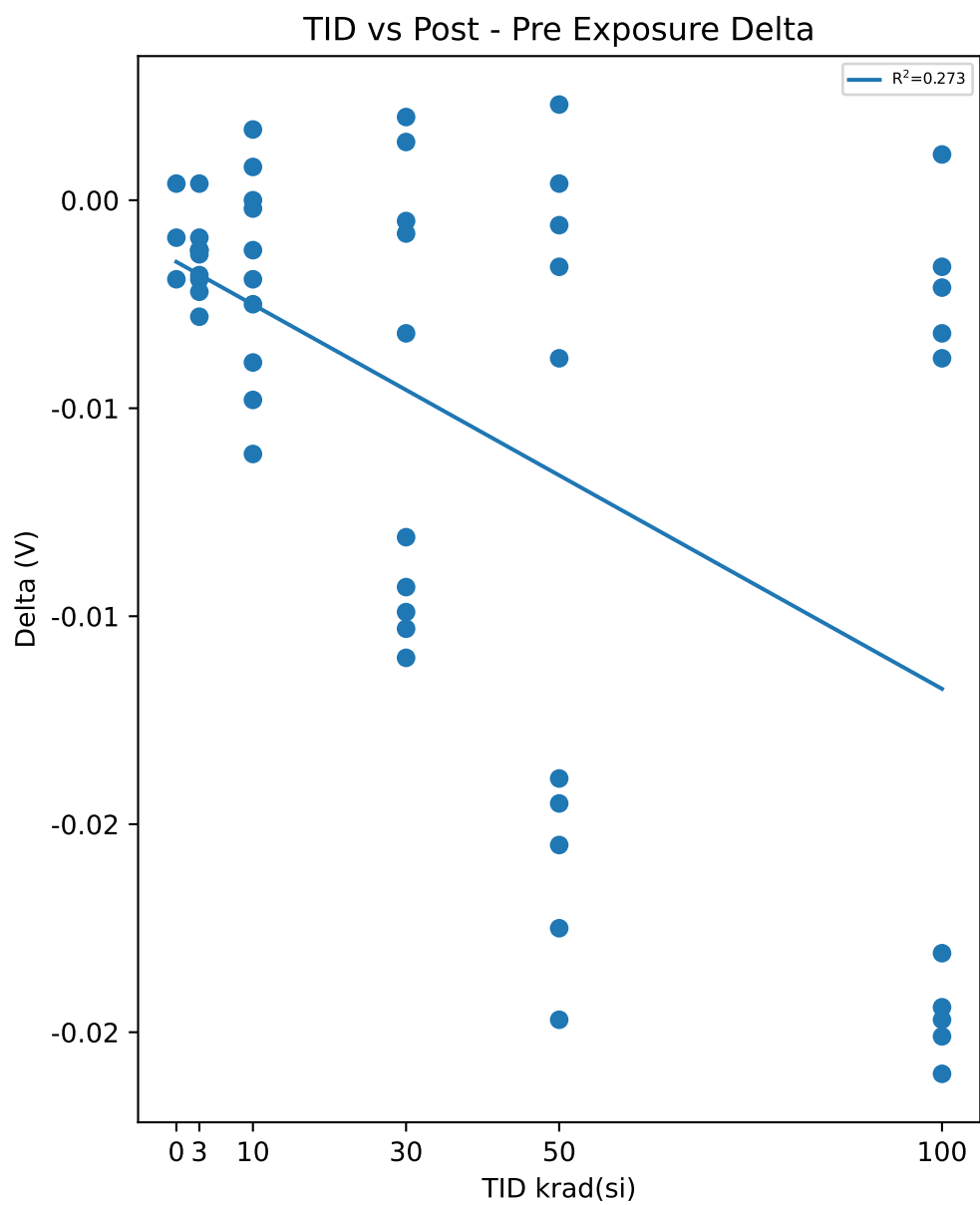
krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	0.5041	0.5134	0.5239	0.0099544	0.5045	0.51347	0.5233	0.0094299	-0.0006	6.6667e-05	0.0004	0.00057735
3	0.5037	0.51168	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

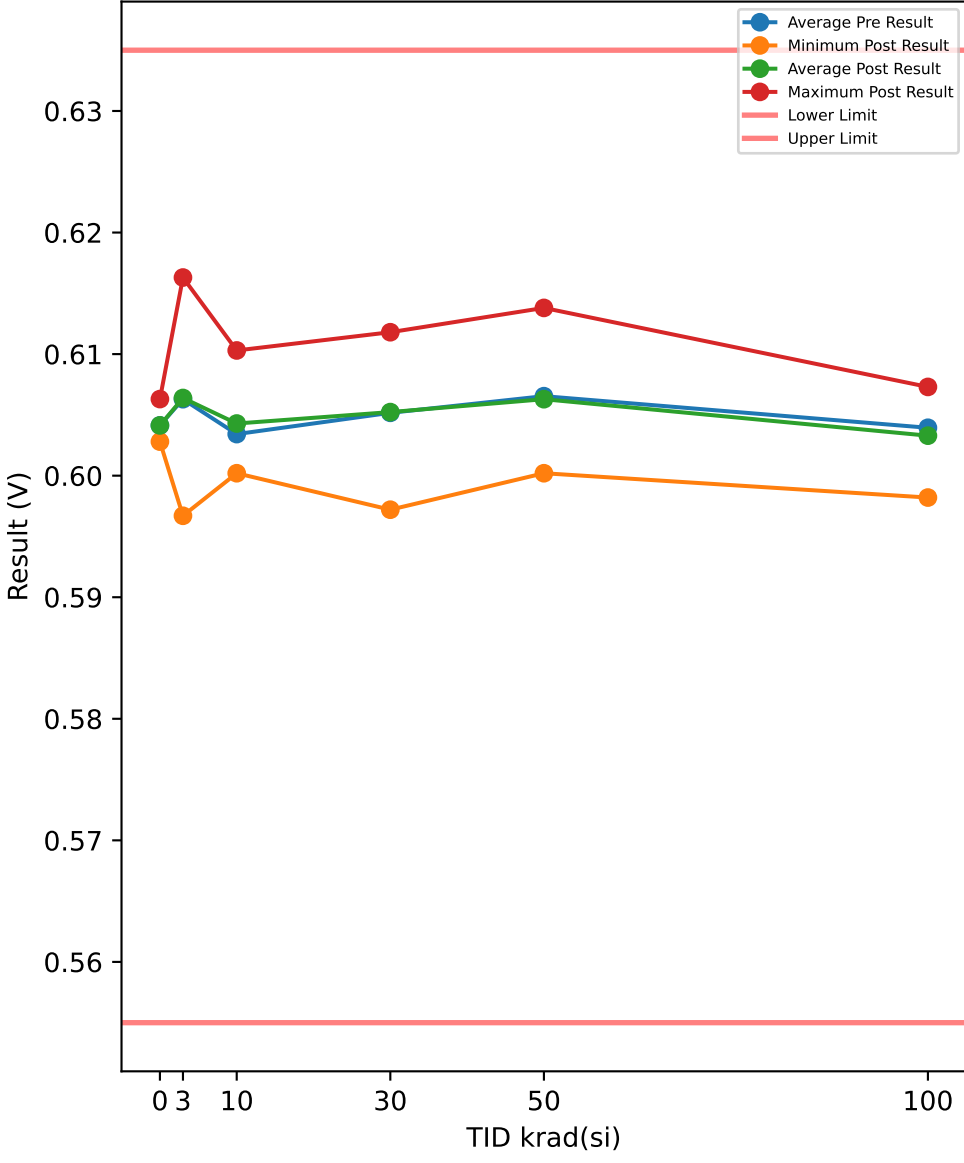


Test Statistics (V)

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)

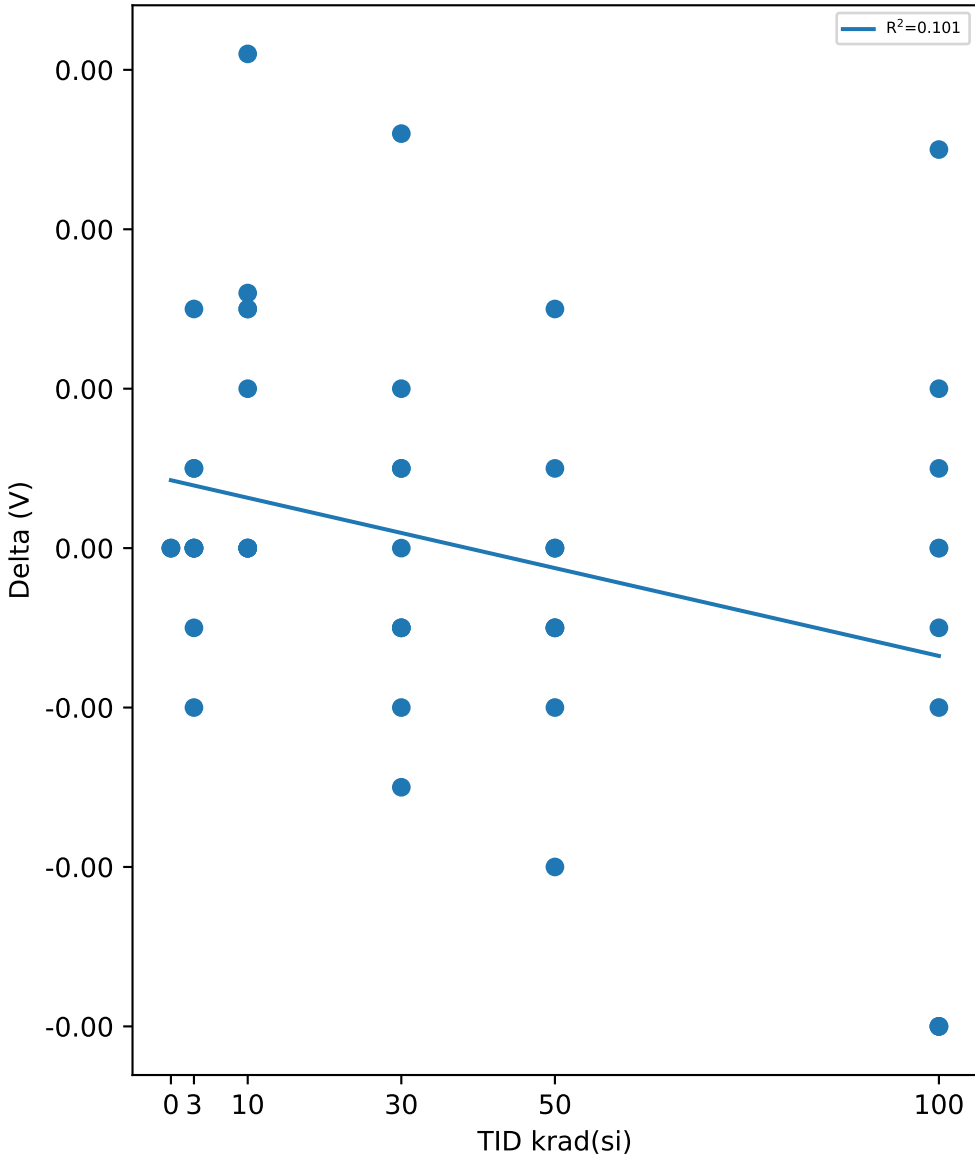
TID vs Result Stats



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

TID vs Post - Pre Exposure Delta

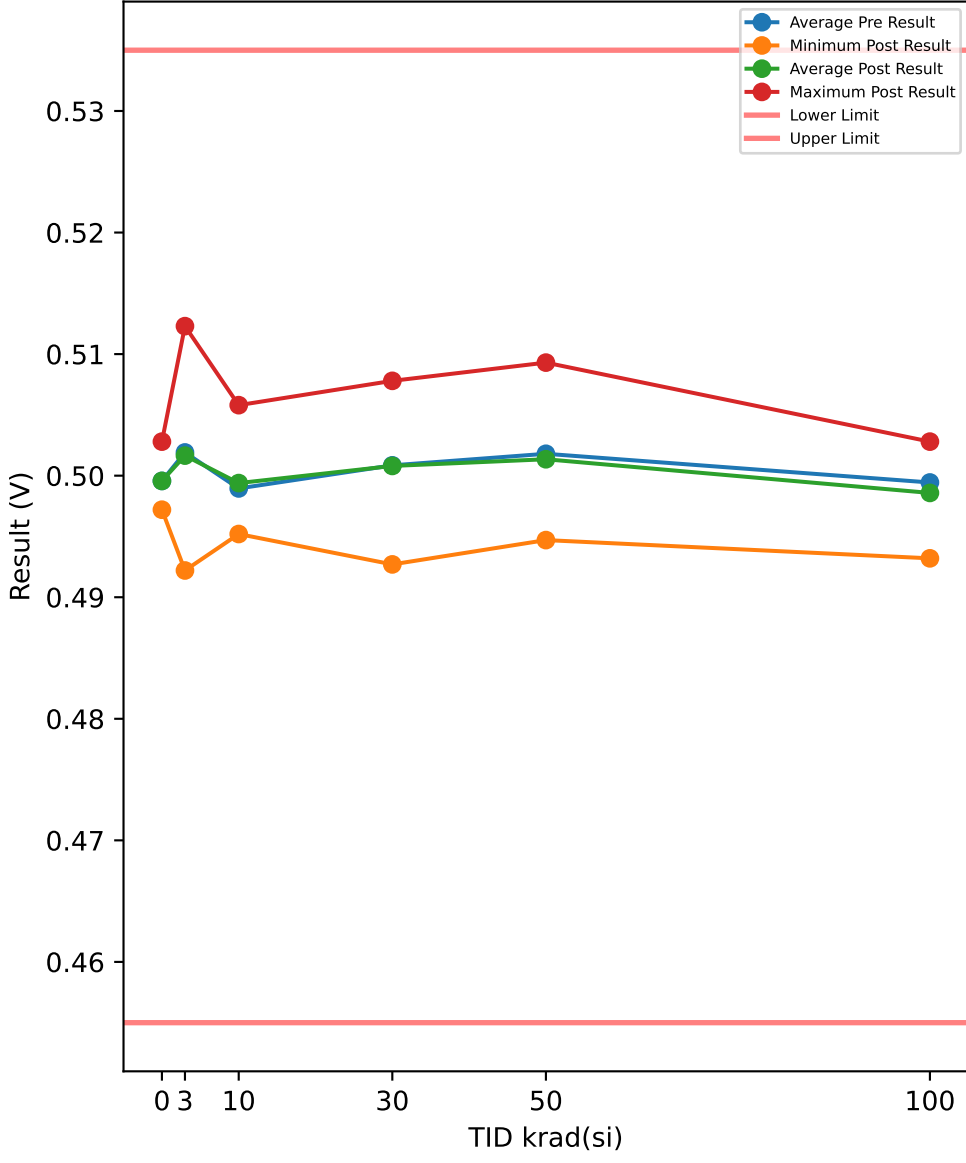


Test Statistics (V)

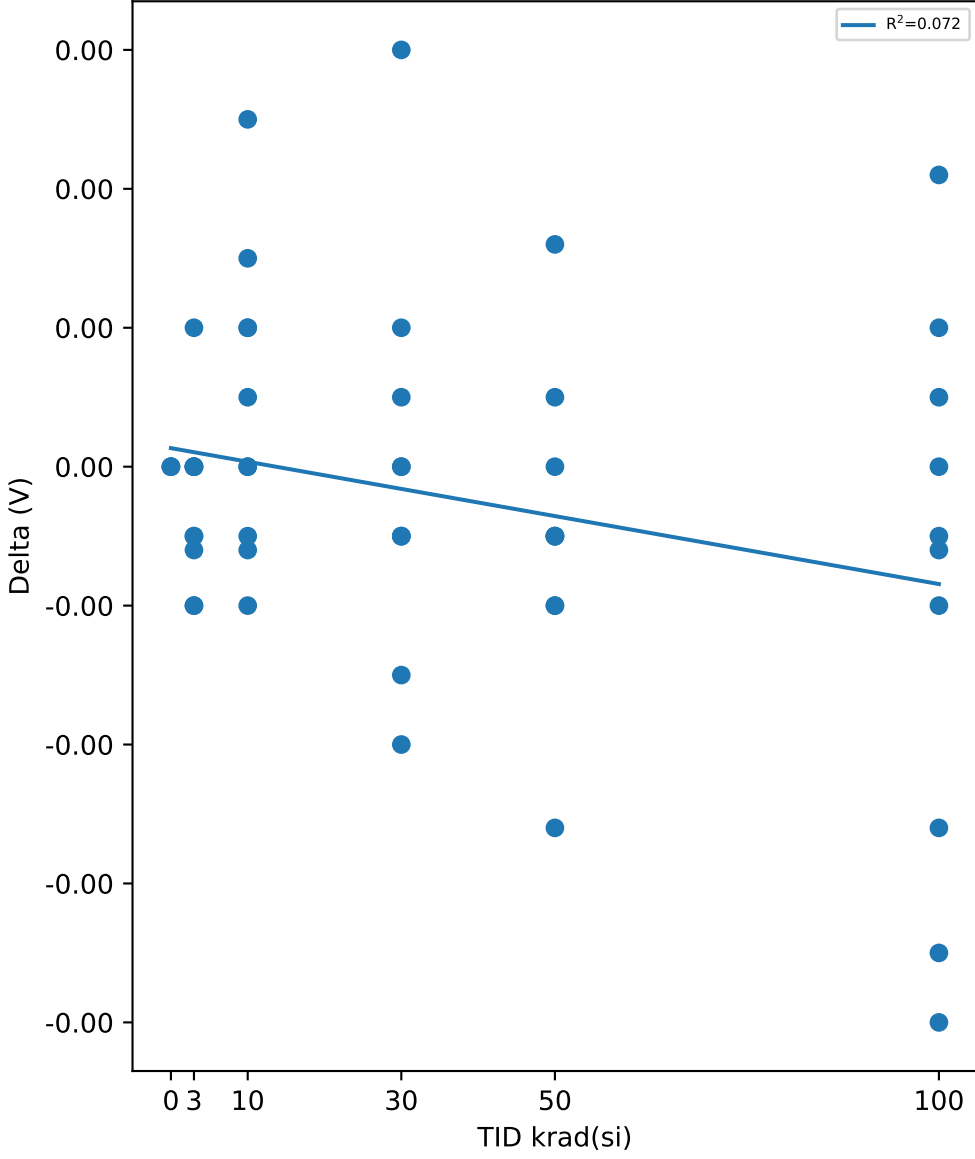
krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	0.6028	0.60413	0.6063	0.001893	0.6028	0.60413	0.6063	0.001893	0	0	0	0
3	0.5967	0.60629	0.6163	0.006141	0.5967	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)

TID vs Result Stats



TID vs Post - Pre Exposure Delta



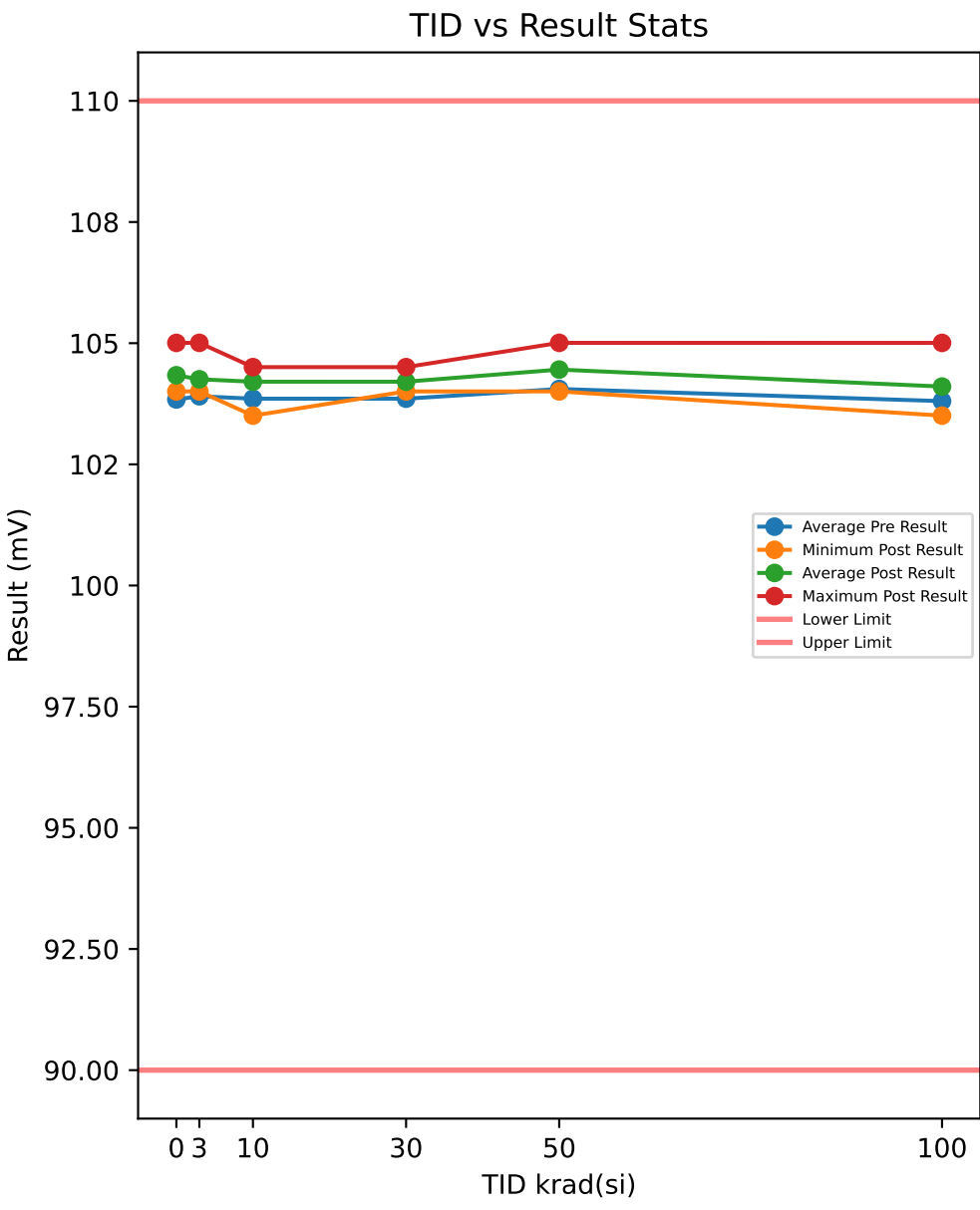
Test Results (Lower Limit = 0.455, Upper Limit = 0.535 (V))

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)

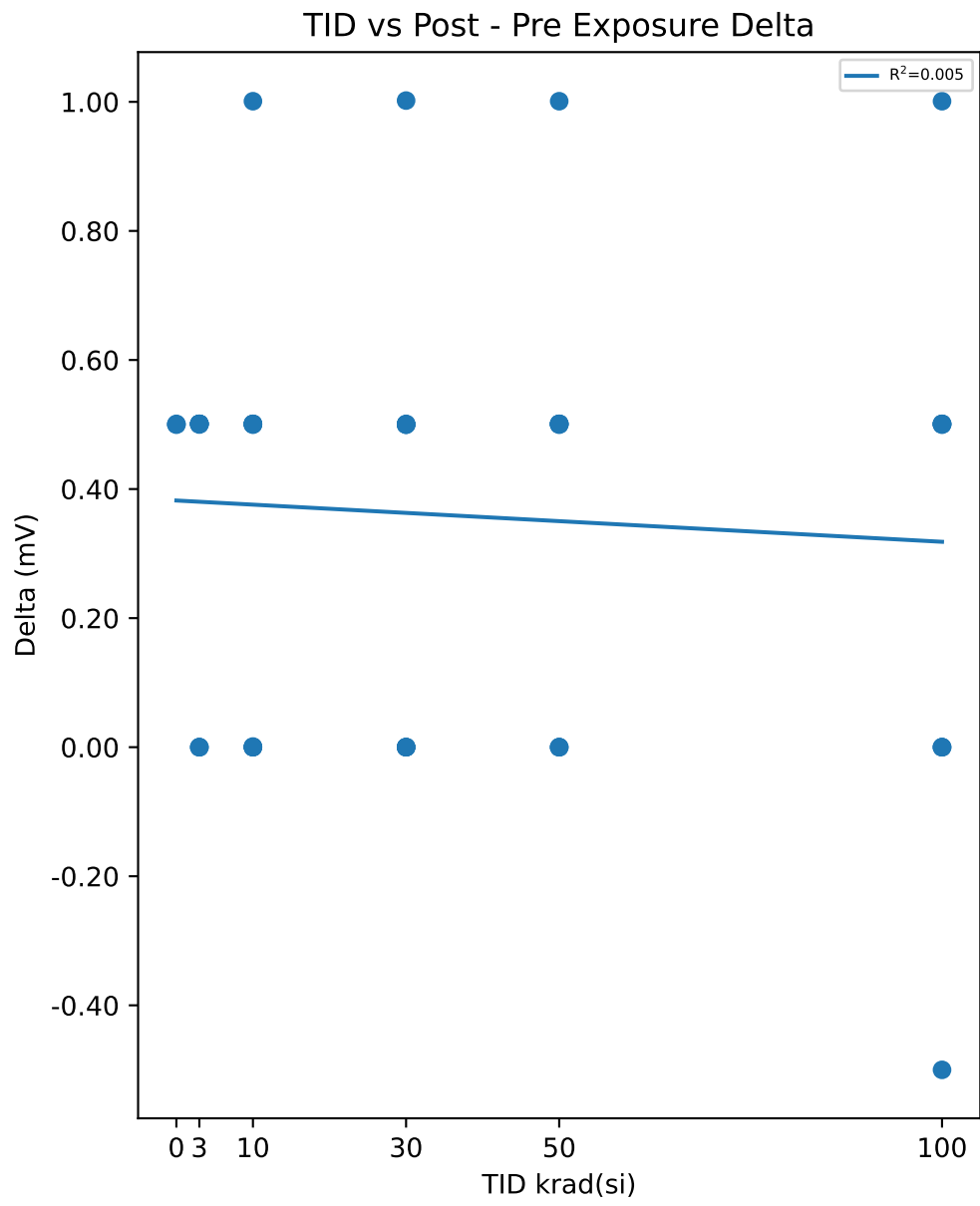
krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	0.4972	0.49957	0.5028	0.0028989	0.4972	0.49957	0.5028	0.0028989	0	0	0	0
3	0.4922	0.50191	0.5123	0.0063383	0.4922	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))

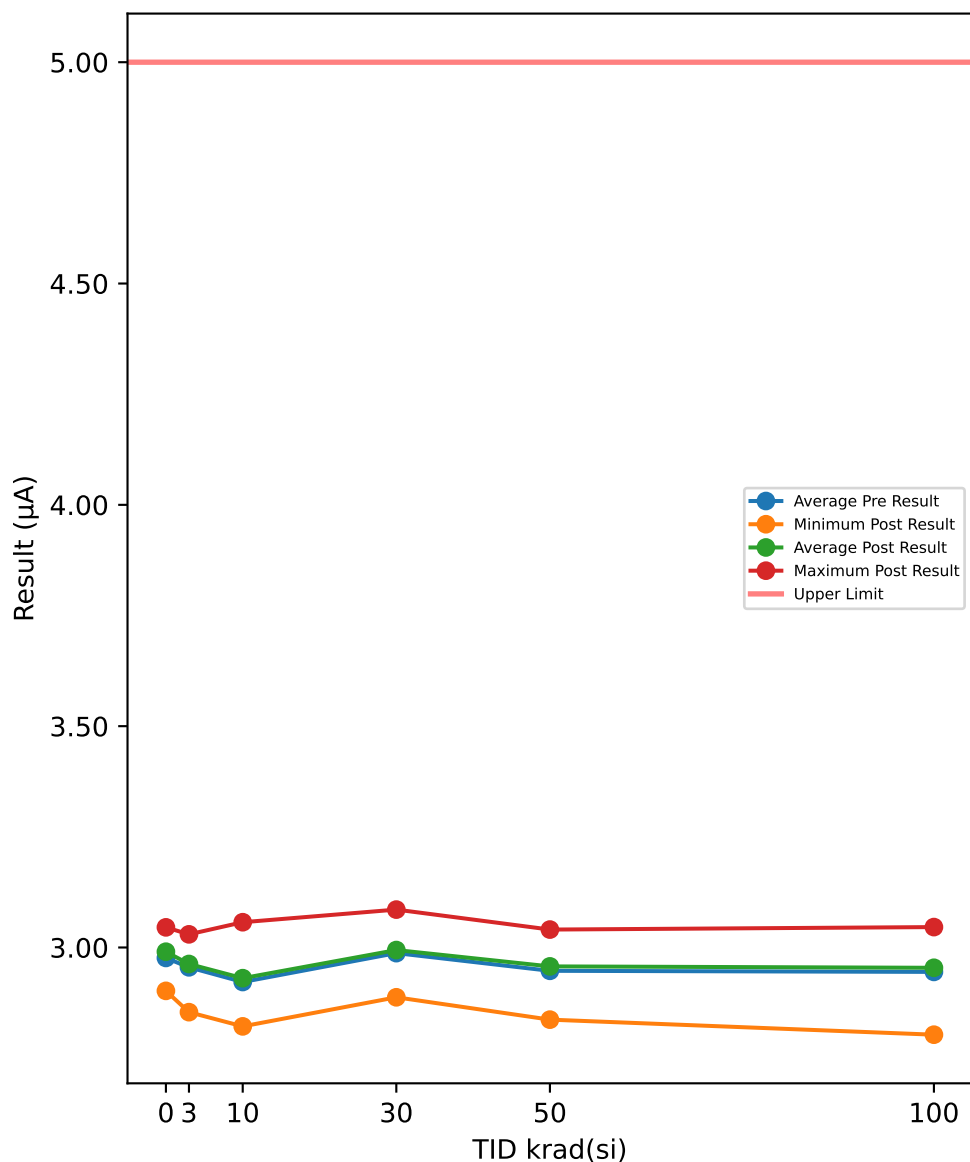
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
390	100	Biased	103	103.5	0.501
392	100	Biased	103.5	104	0.501
393	100	Biased	104	103.5	-0.5
394	100	Biased	103.5	104	0.5
395	100	Biased	104	104	0
412	100	Unbiased	104.5	104.5	0
413	100	Unbiased	104	104	0
414	100	Unbiased	103	104	1.001
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

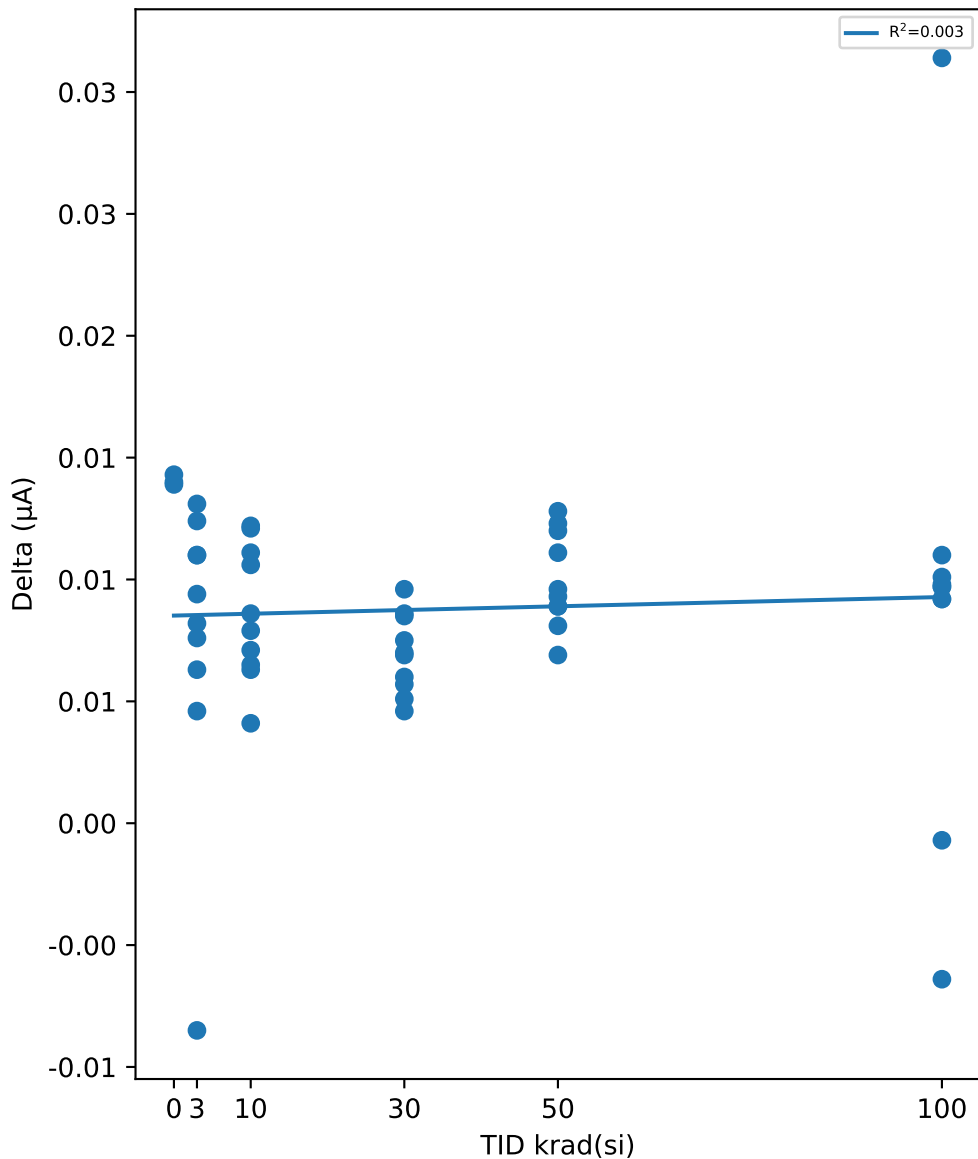
TID vs Result Stats



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

TID vs Post - Pre Exposure Delta

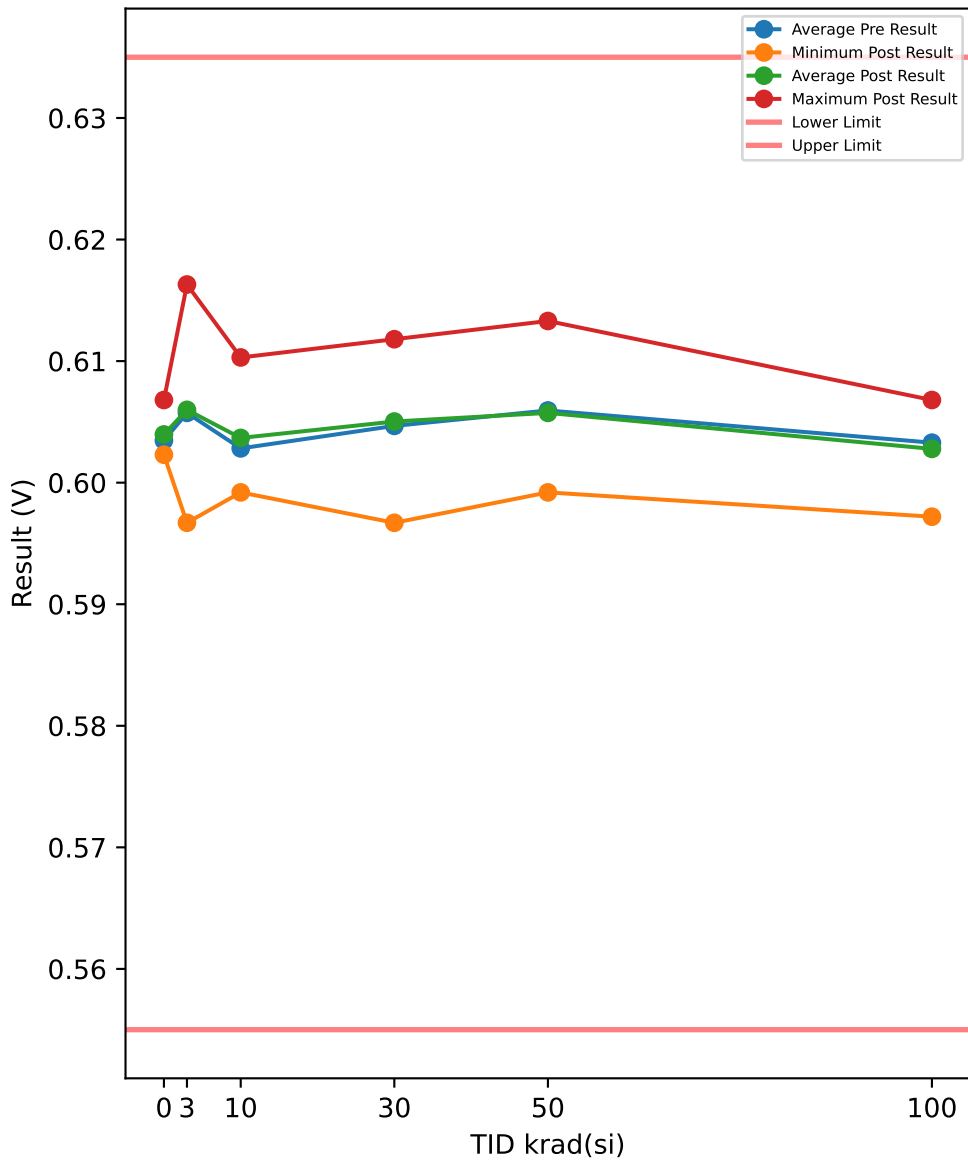


Test Statistics (µA)

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	2.8881	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)

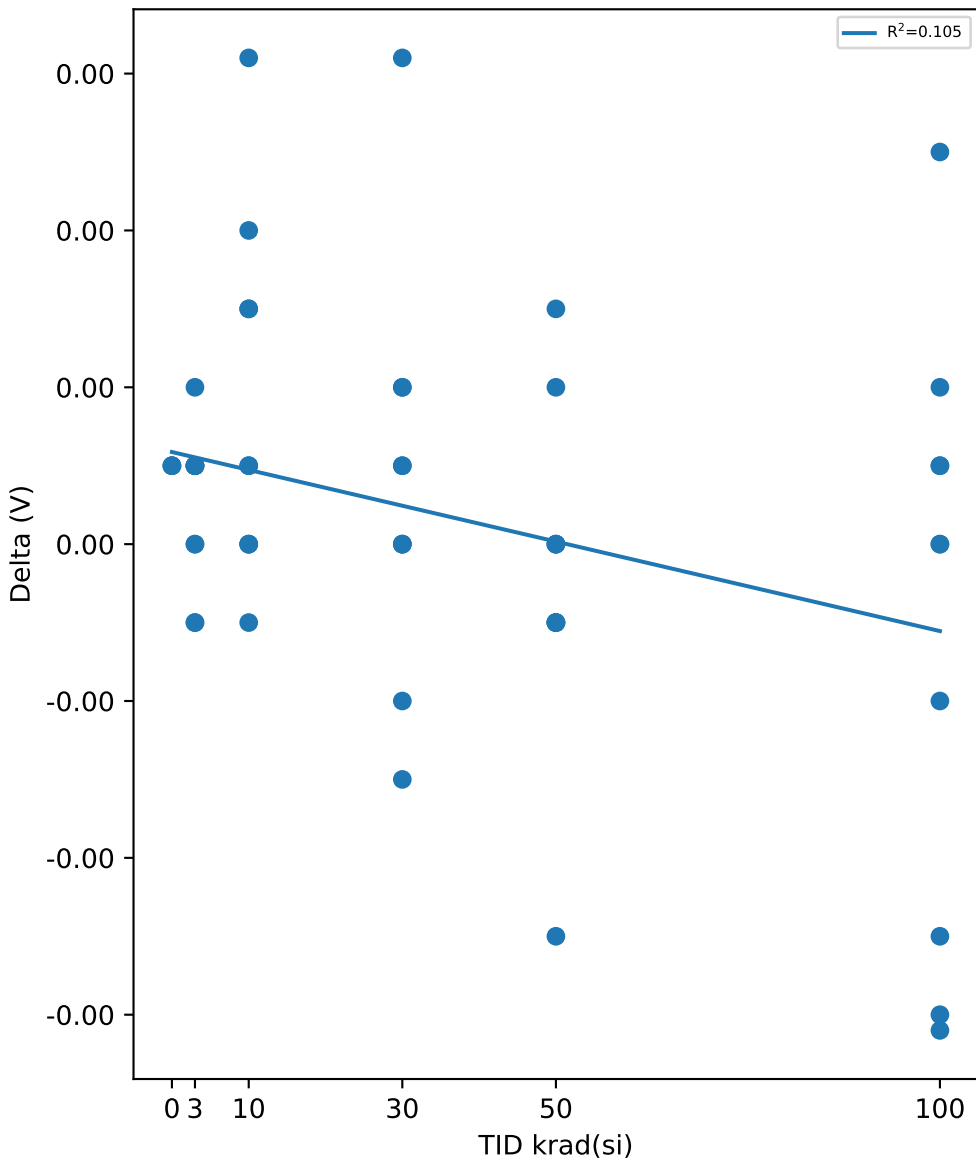
TID vs Result Stats



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

TID vs Post - Pre Exposure Delta

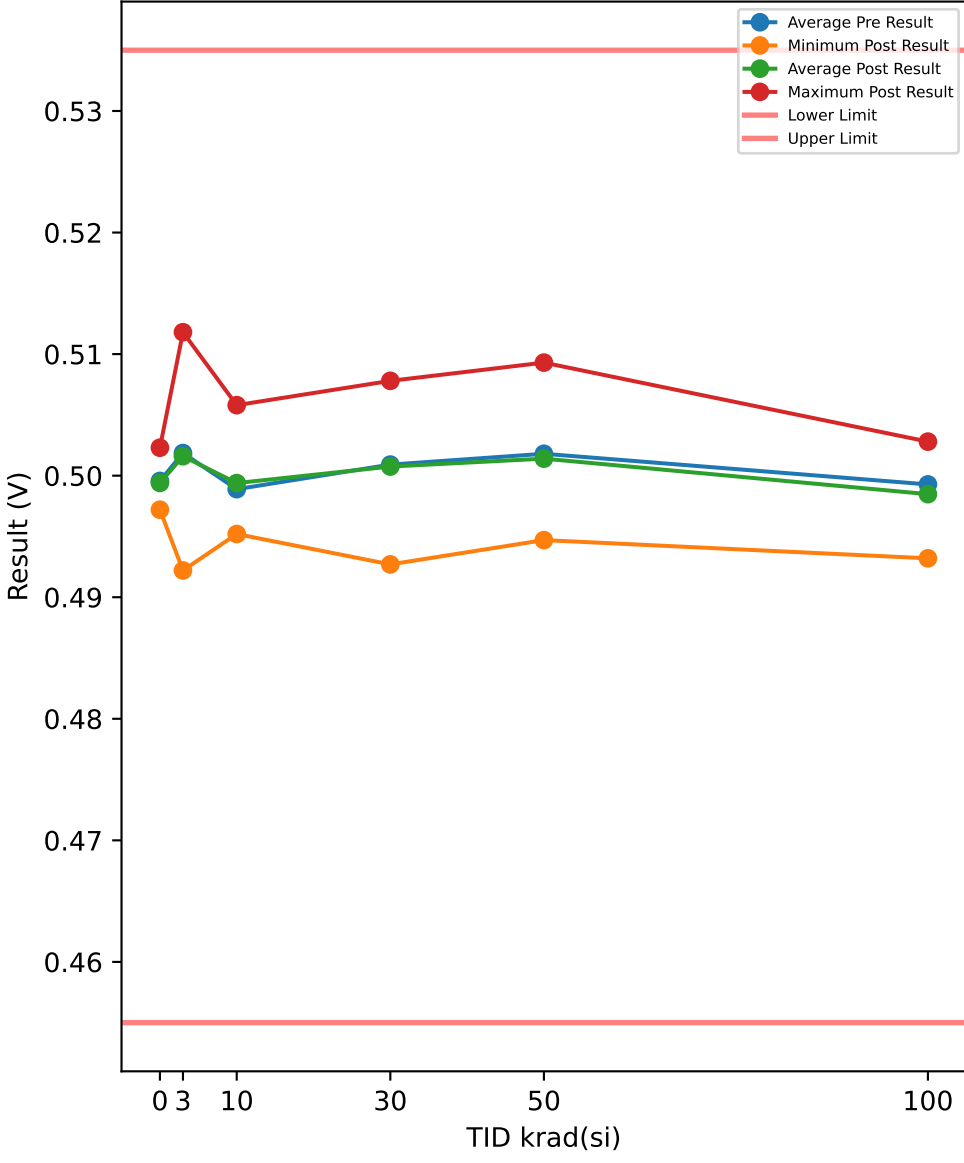


Test Statistics (V)

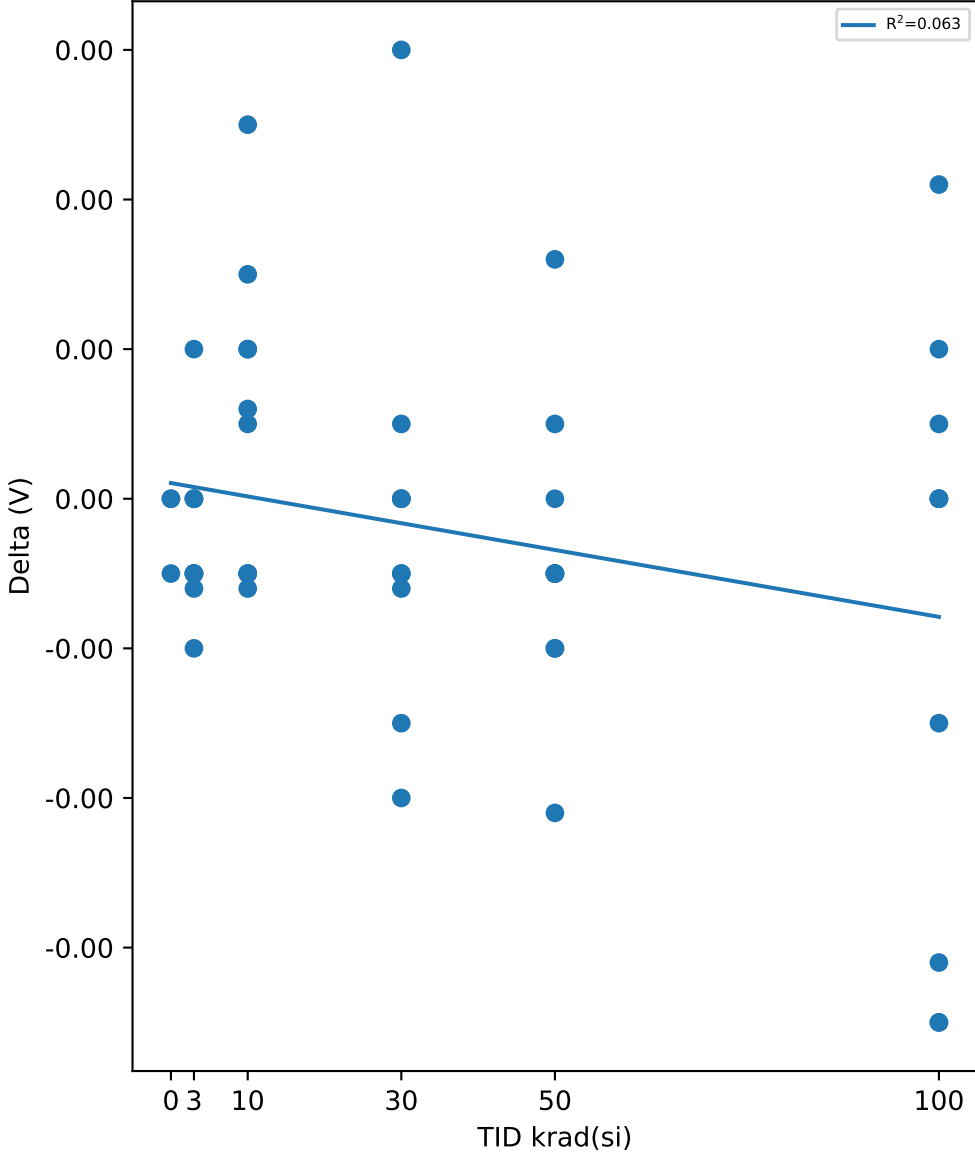
krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	0.6018	0.60347	0.6063	0.0024664	0.6023	0.60397	0.6068	0.0024664	0.0005	0.0005	0.0005	6.4114e-17
3	0.5962	0.60574	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)

TID vs Result Stats



TID vs Post - Pre Exposure Delta



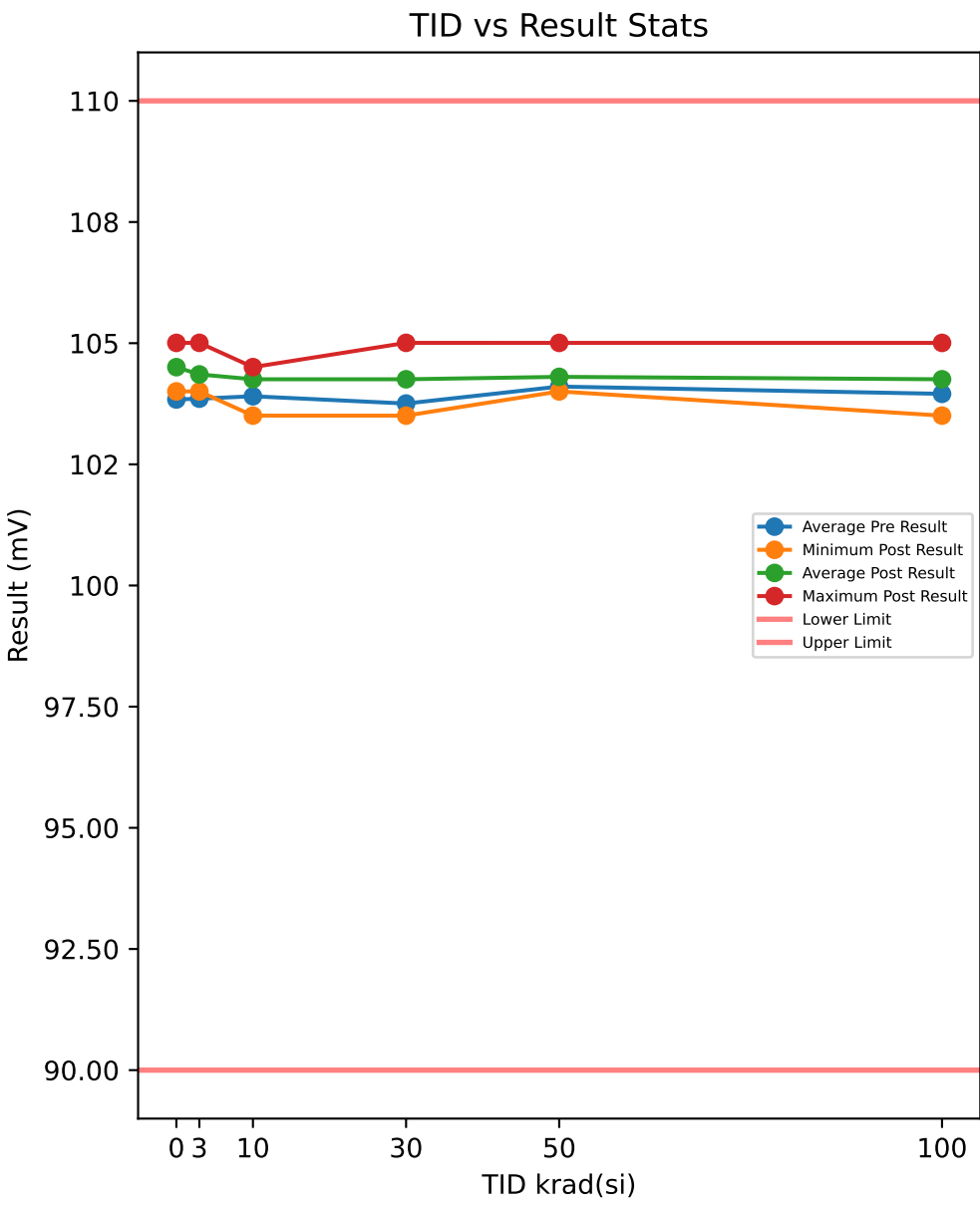
Test Results (Lower Limit = 0.455, Upper Limit = 0.535 (V))

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)

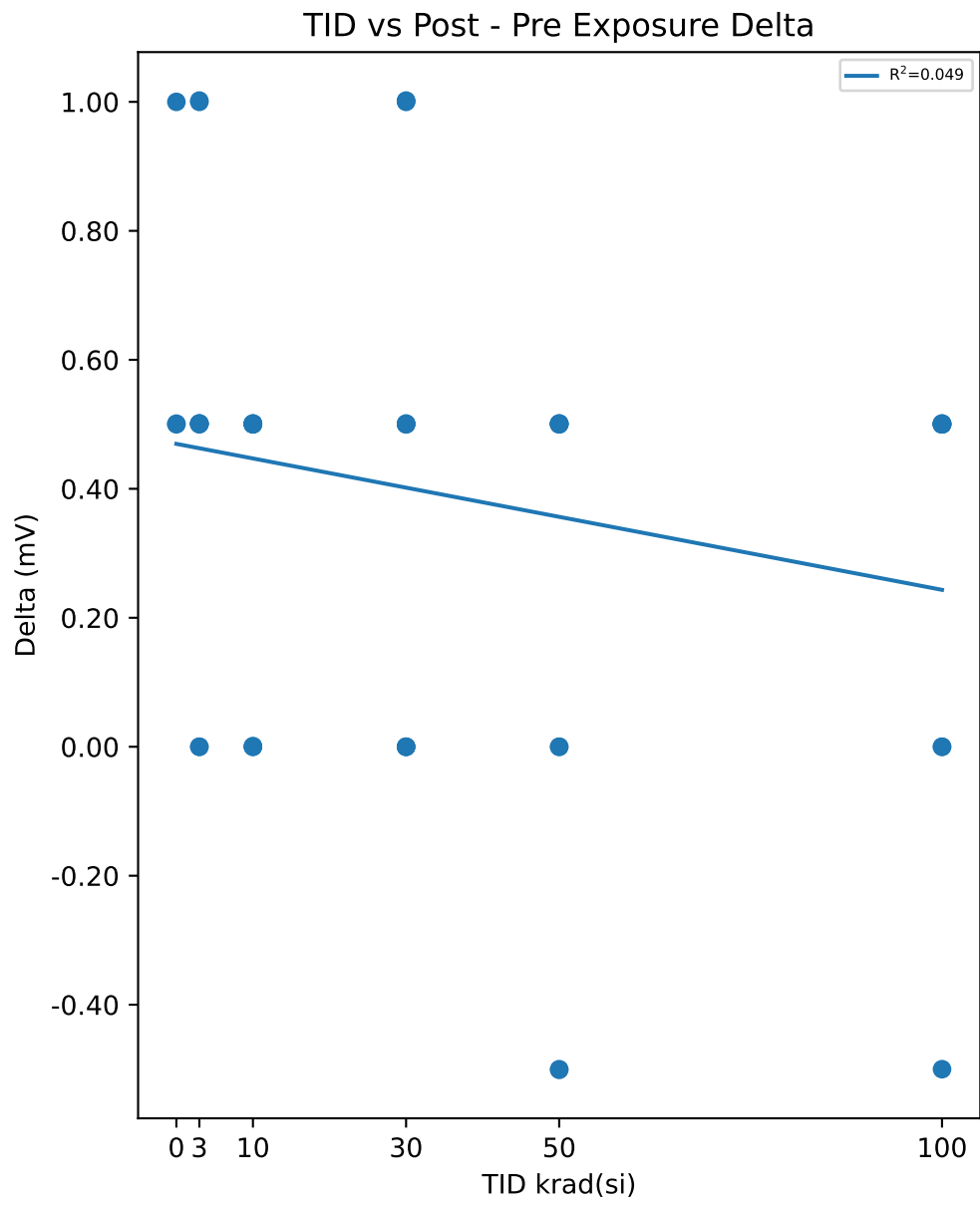
krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	0.4972	0.49957	0.5028	0.0028989	0.4972	0.4994	0.5023	0.0026211	-0.0005	-0.00016667	0	0.00028868
3	0.4922	0.50186	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))

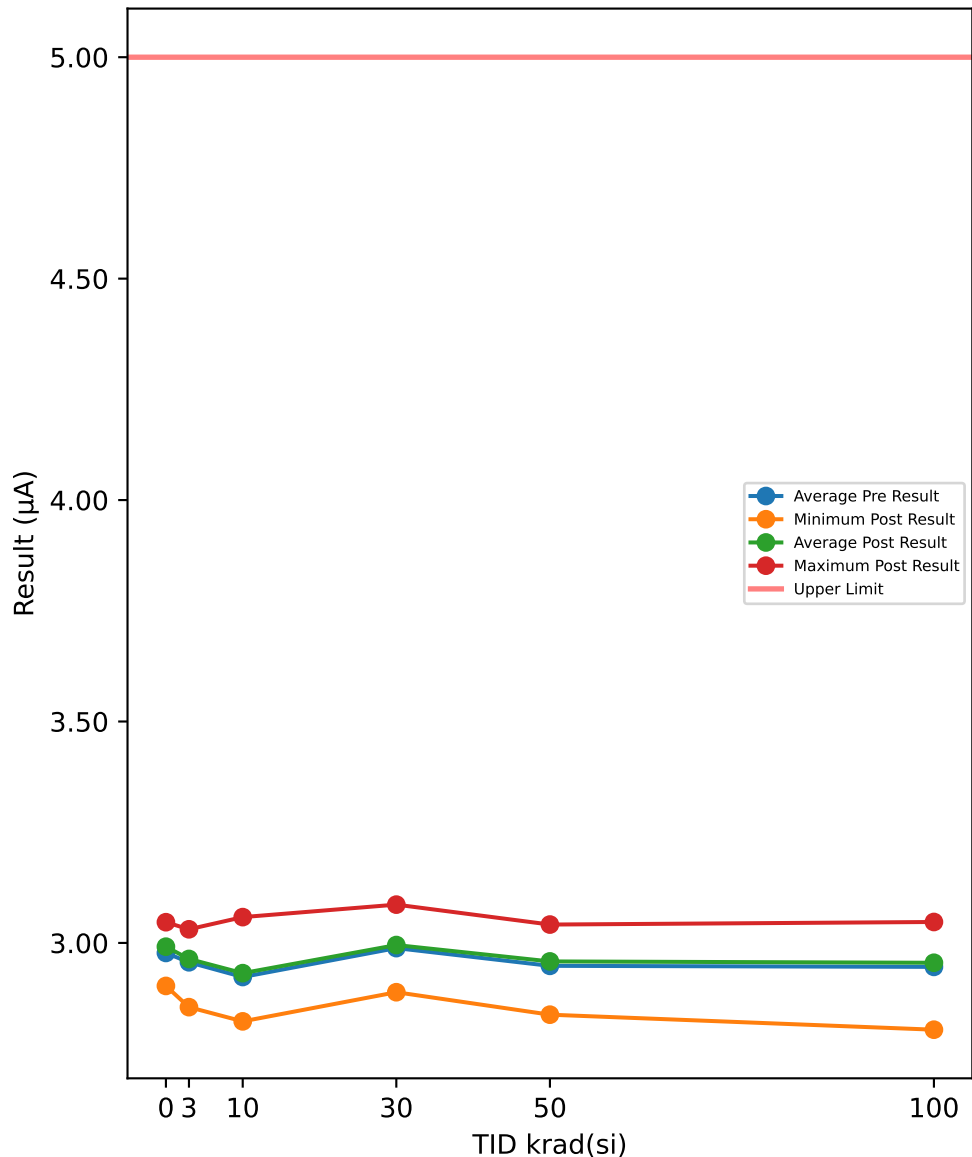
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
390	100	Biased	103.5	104	0.5
392	100	Biased	104	104	0
393	100	Biased	104	103.5	-0.5
394	100	Biased	104	104	0
395	100	Biased	104	104.5	0.5
412	100	Unbiased	104.5	105.01	0.501
413	100	Unbiased	103.5	104	0.501
414	100	Unbiased	103.5	104	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

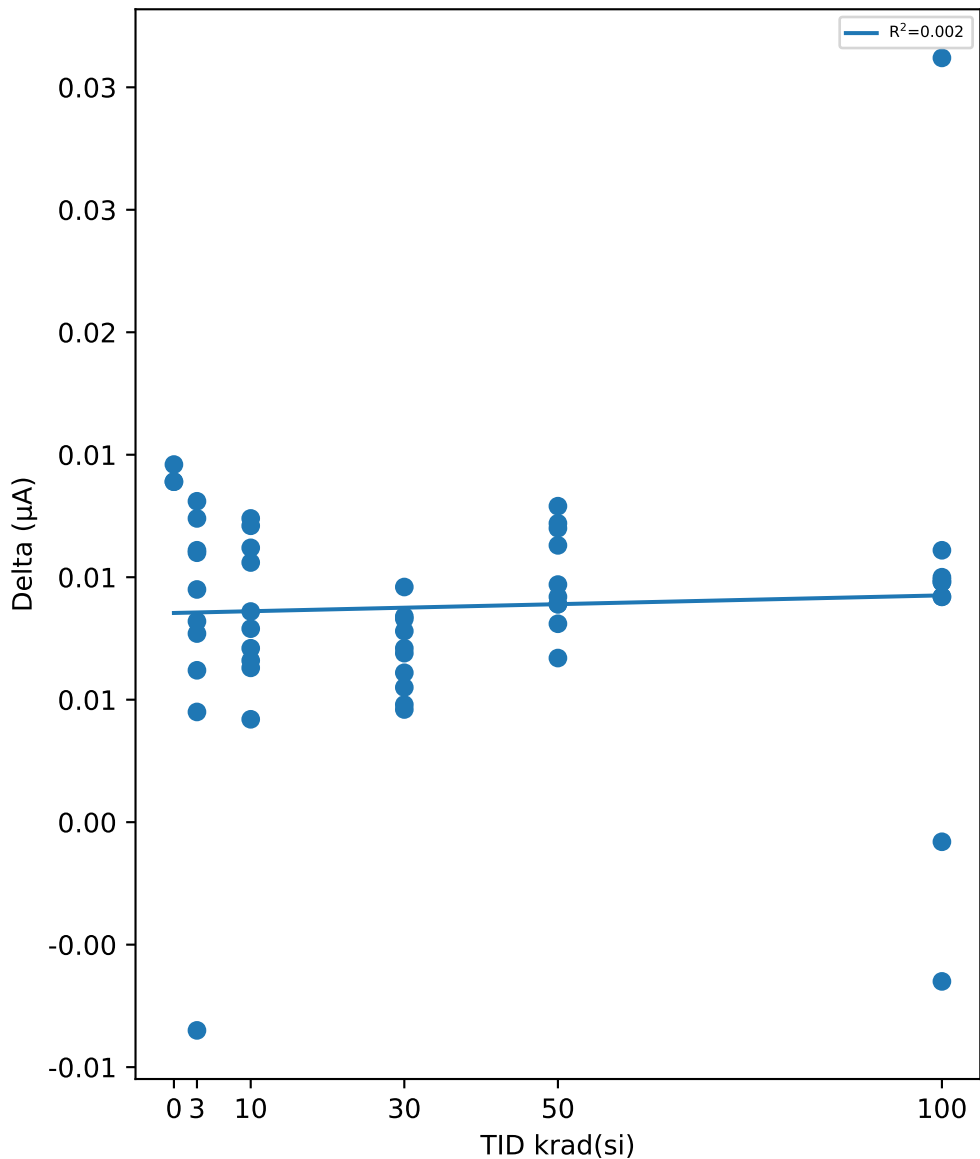
TID vs Result Stats



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

TID vs Post - Pre Exposure Delta

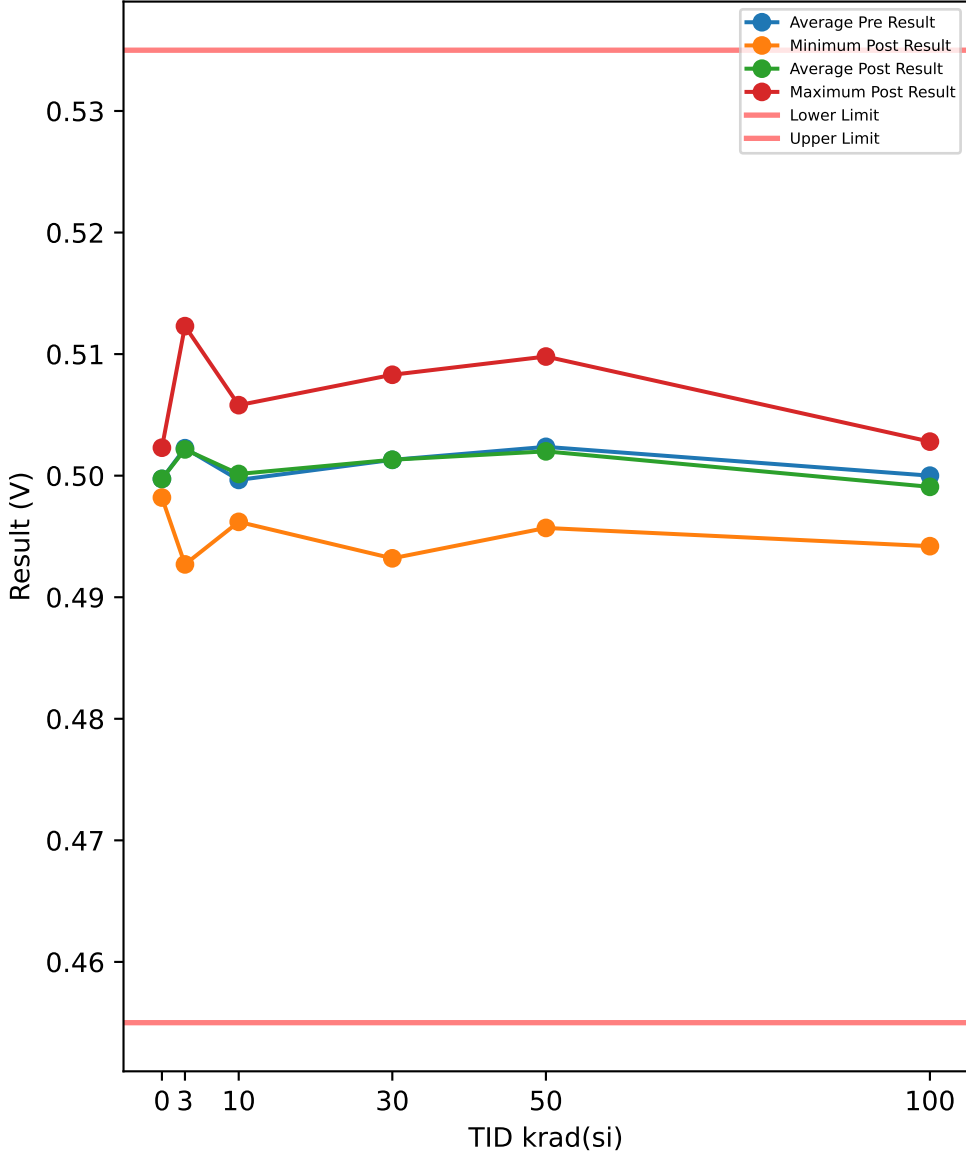


Test Statistics (µA)

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	2.889	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)

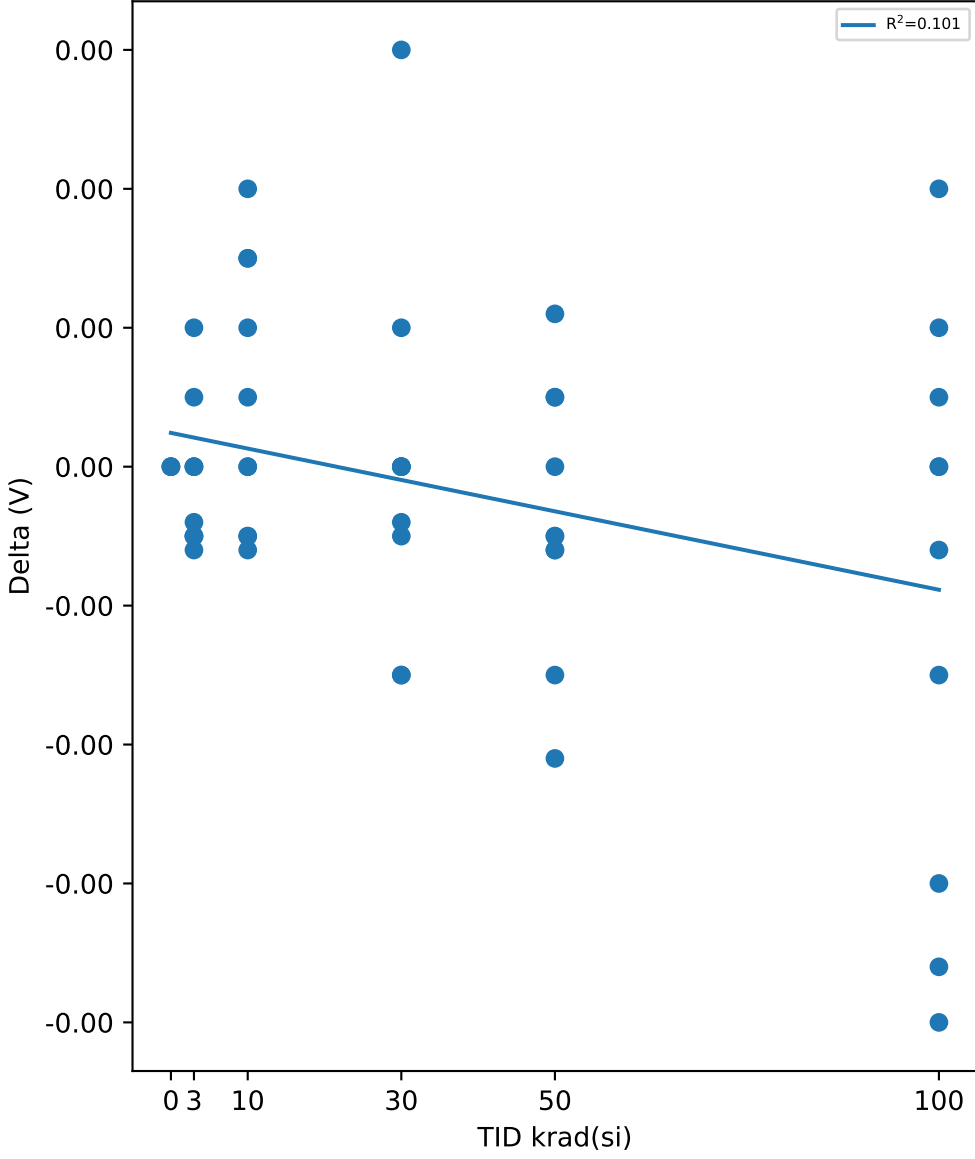
TID vs Result Stats



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

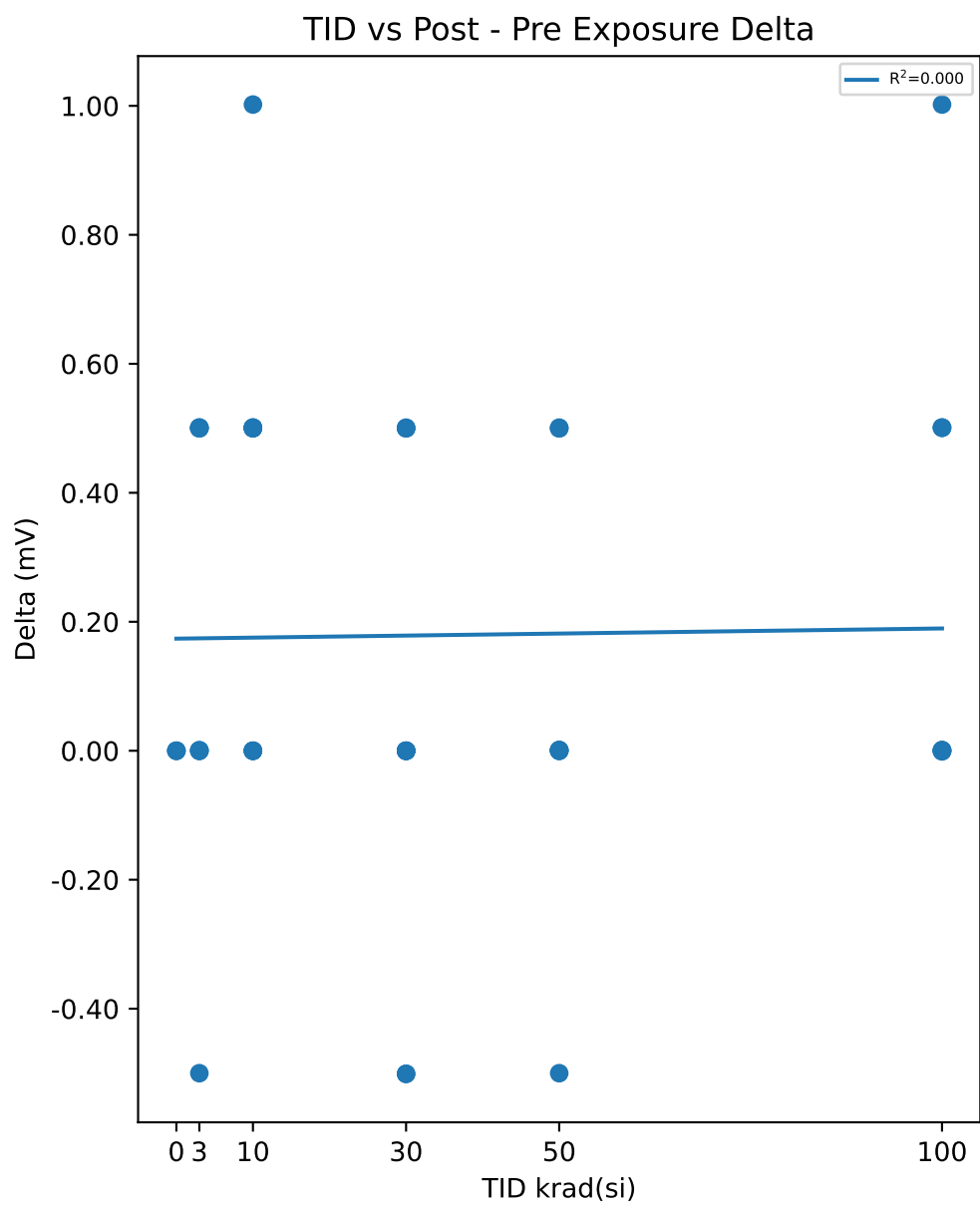
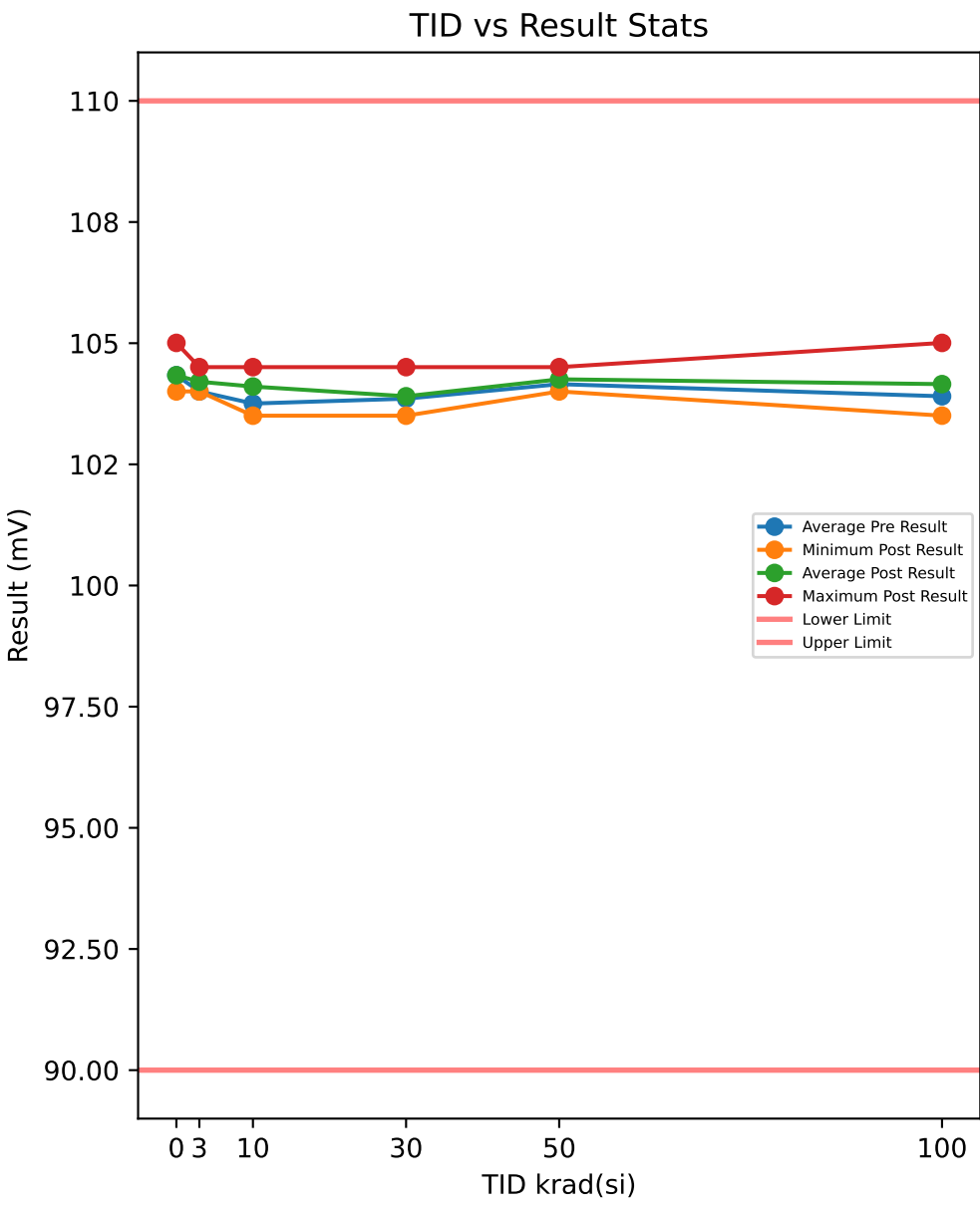
TID vs Post - Pre Exposure Delta



Test Statistics (V)

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	0.4982	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)



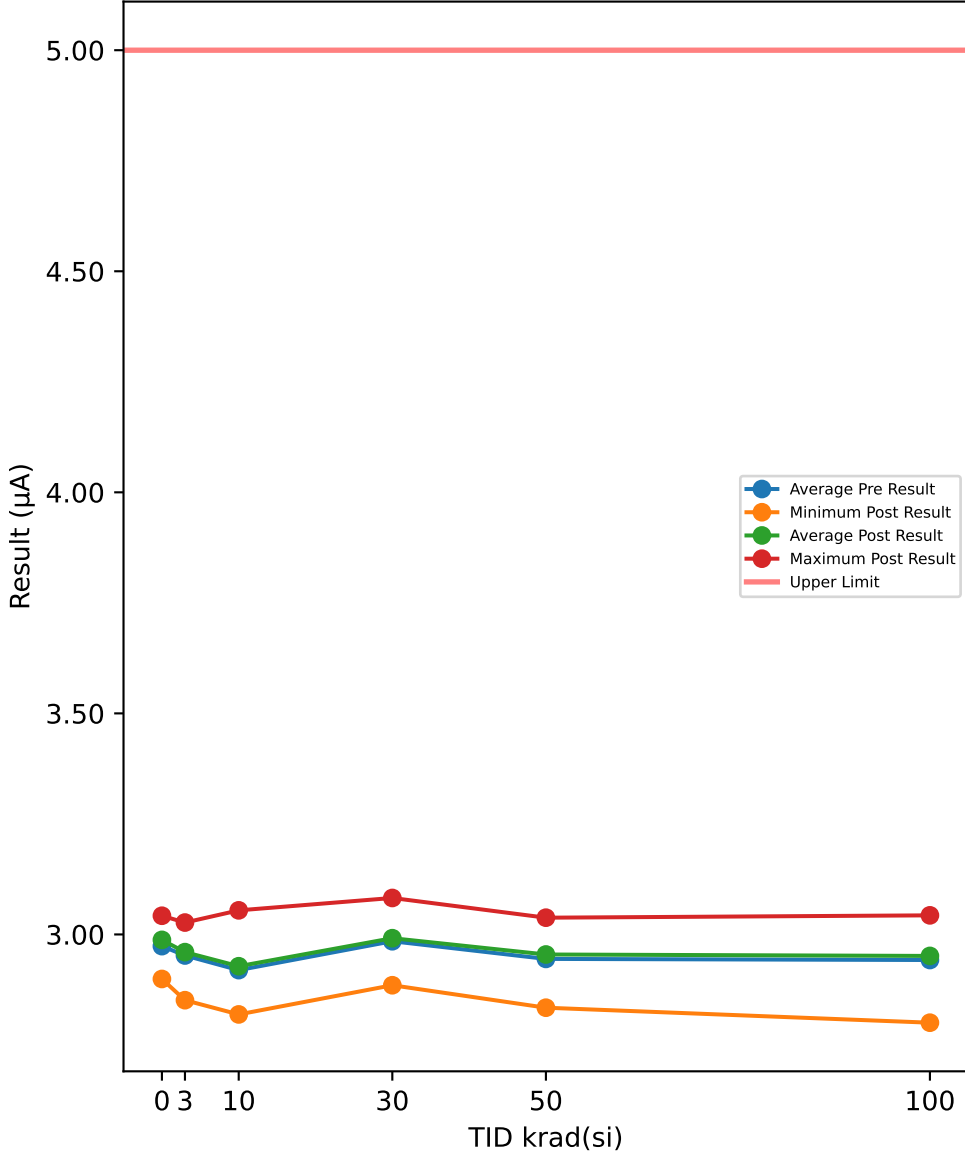
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
390	100	Biased	103.5	103.5	0.001
392	100	Biased	103.5	103.5	0.001
393	100	Biased	104	104	0
394	100	Biased	104	104	0
395	100	Biased	104	104.51	0.501
412	100	Unbiased	104.5	105.01	0.501
413	100	Unbiased	103.5	103.5	0
414	100	Unbiased	103.5	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)

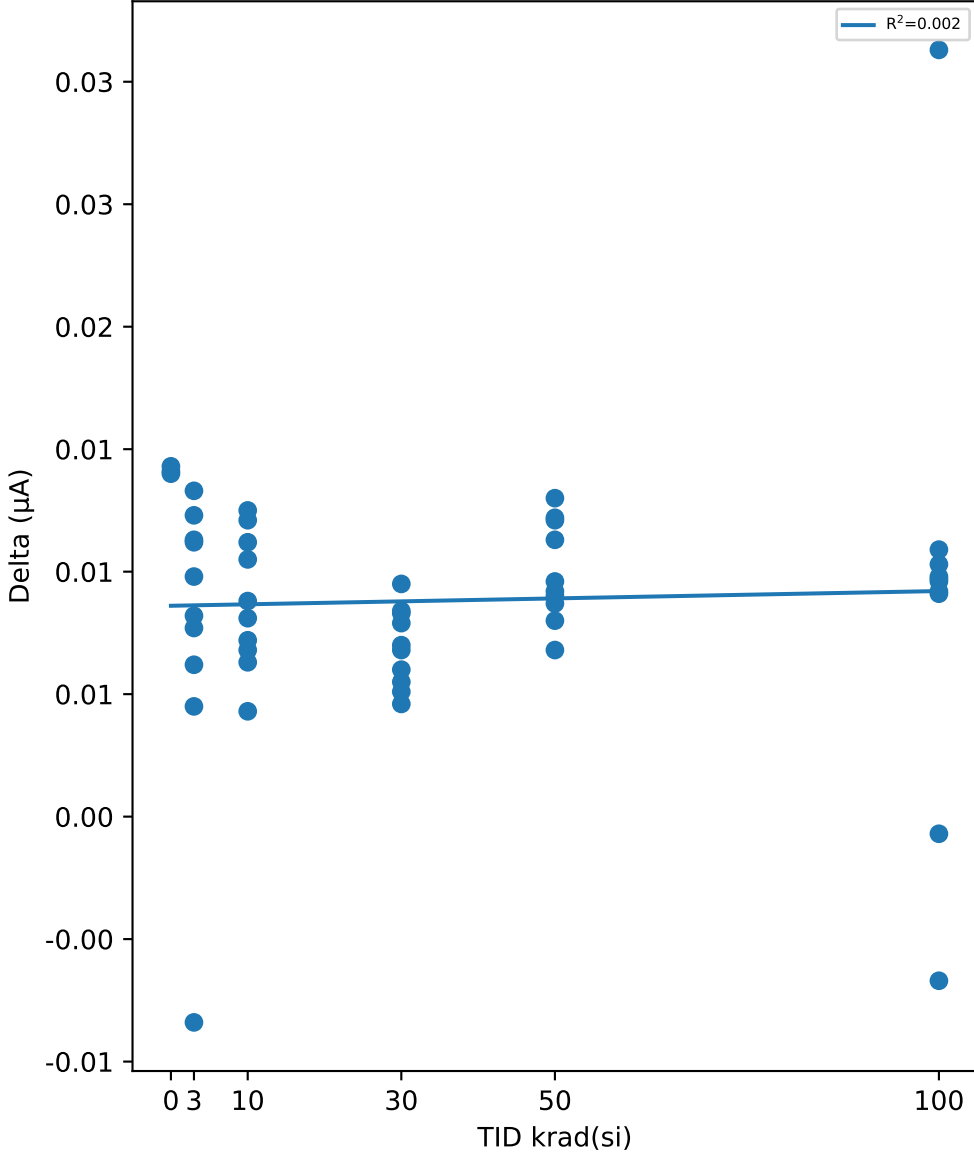
TID vs Result Stats



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

TID vs Post - Pre Exposure Delta

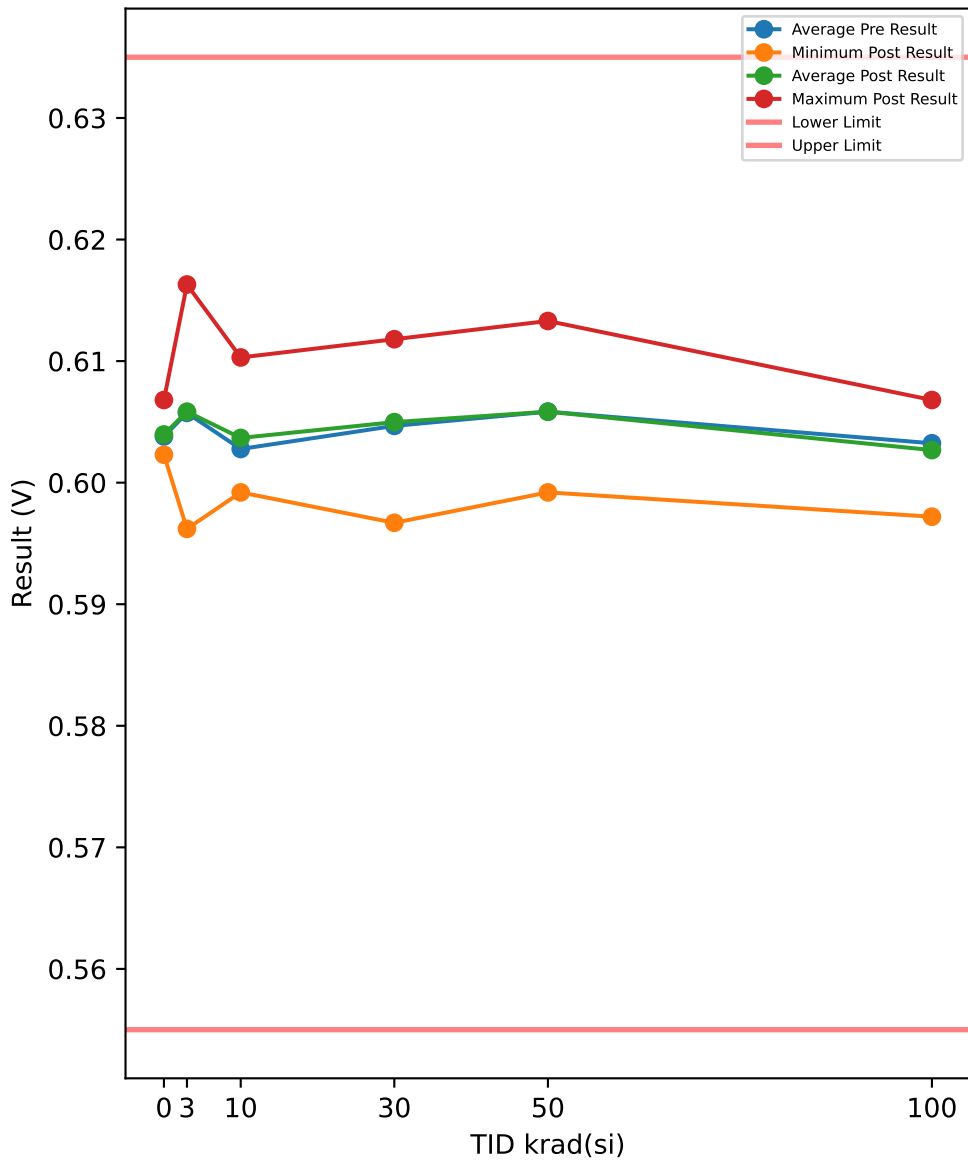


Test Statistics (µA)

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	2.8852	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)

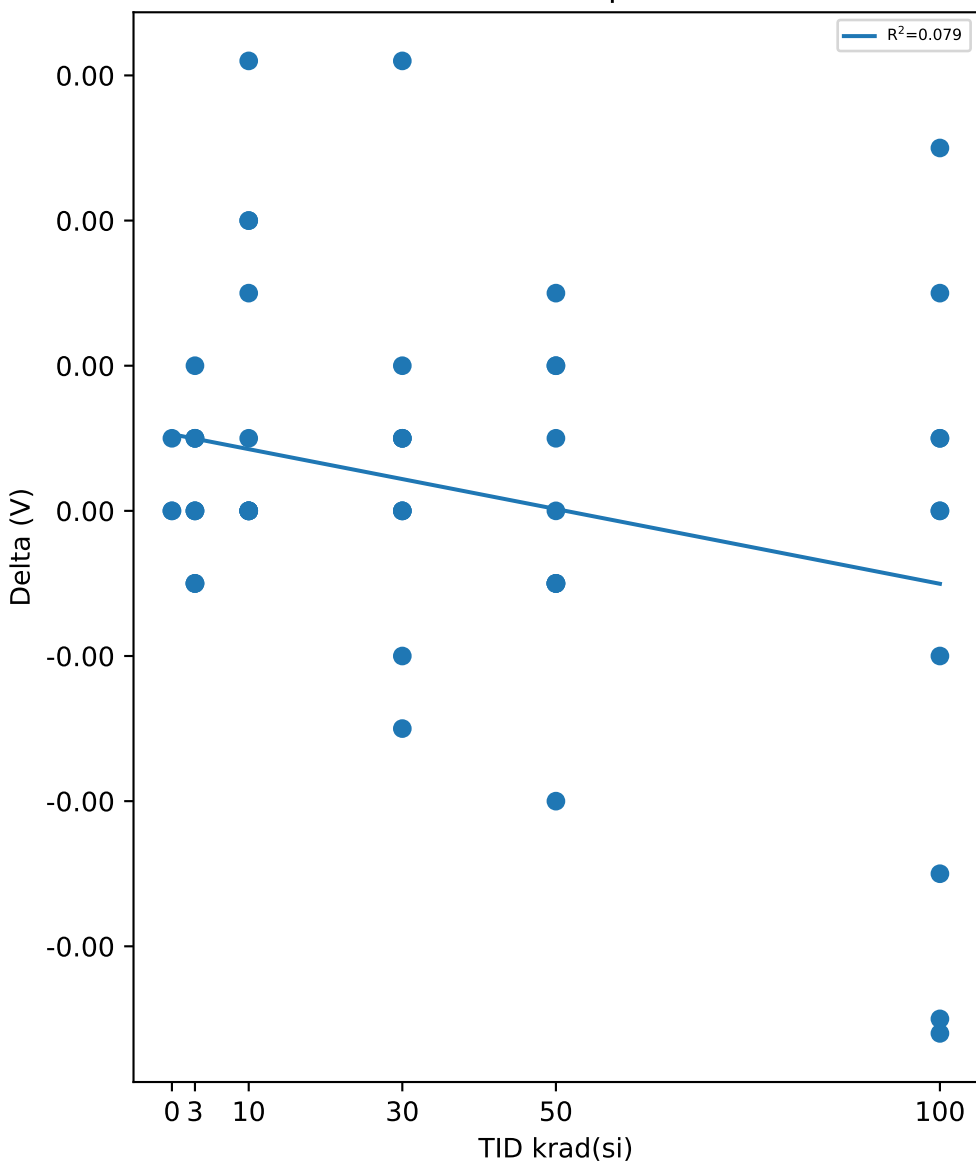
TID vs Result Stats



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

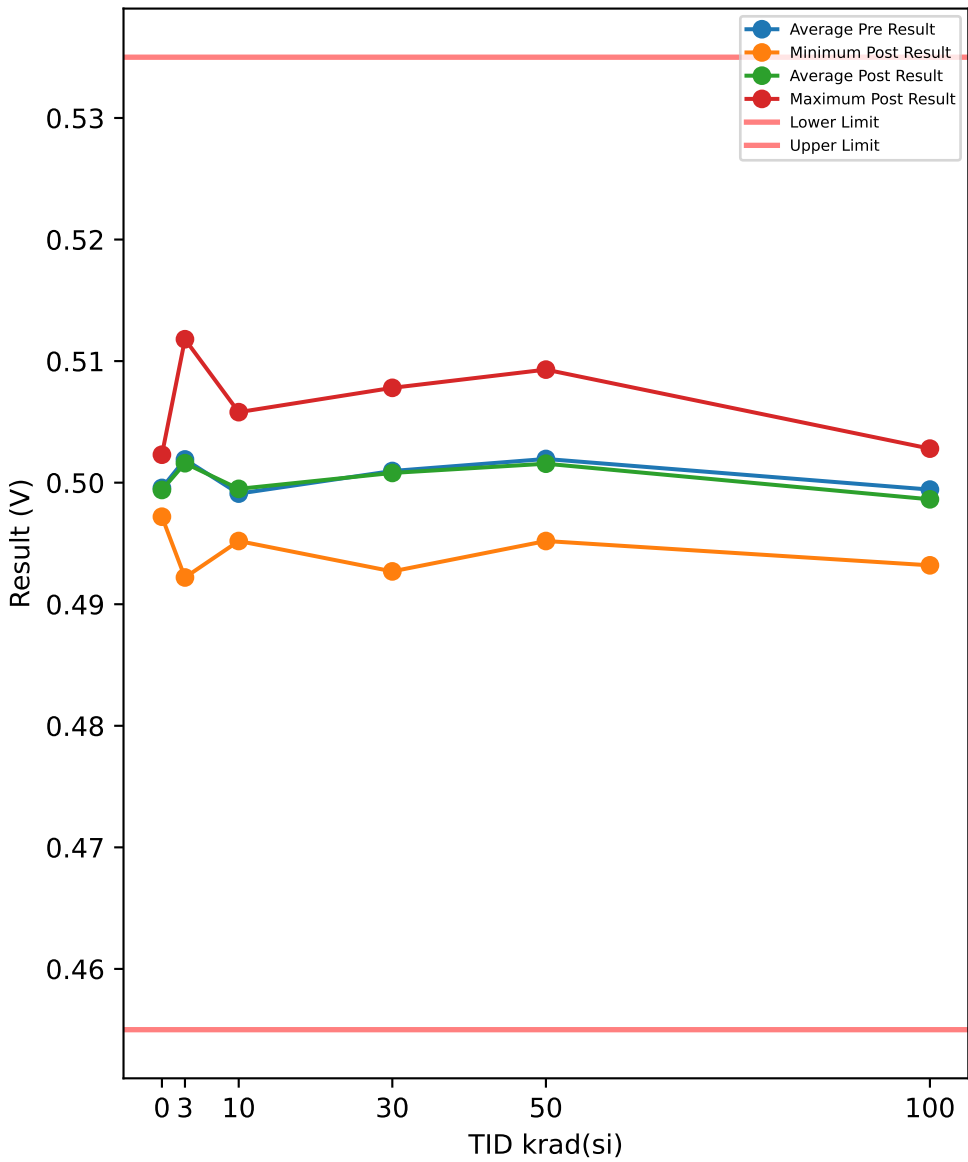
TID vs Post - Pre Exposure Delta



Test Statistics (V)

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	0.6023	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

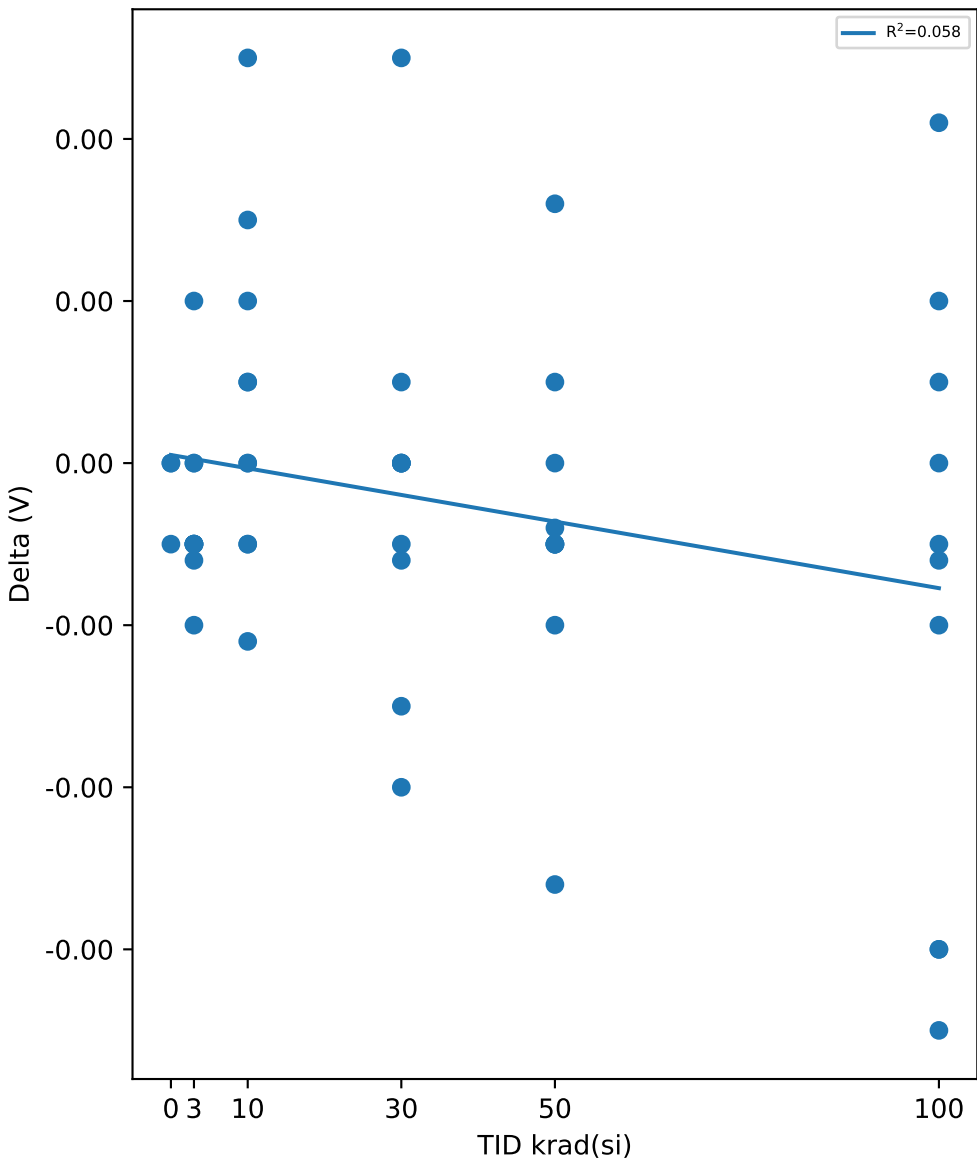
TID vs Result Stats



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

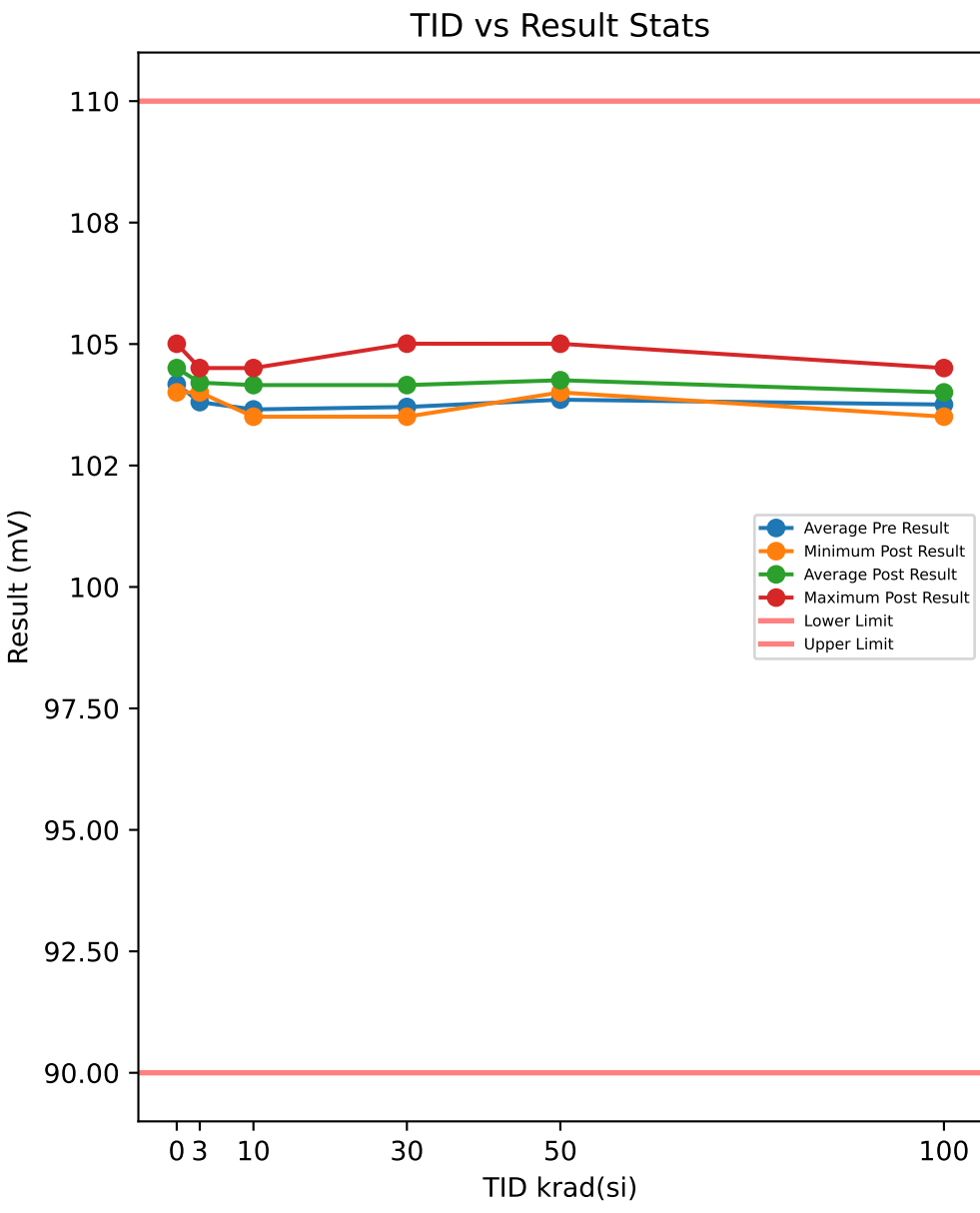
TID vs Post - Pre Exposure Delta



Test Statistics (V)

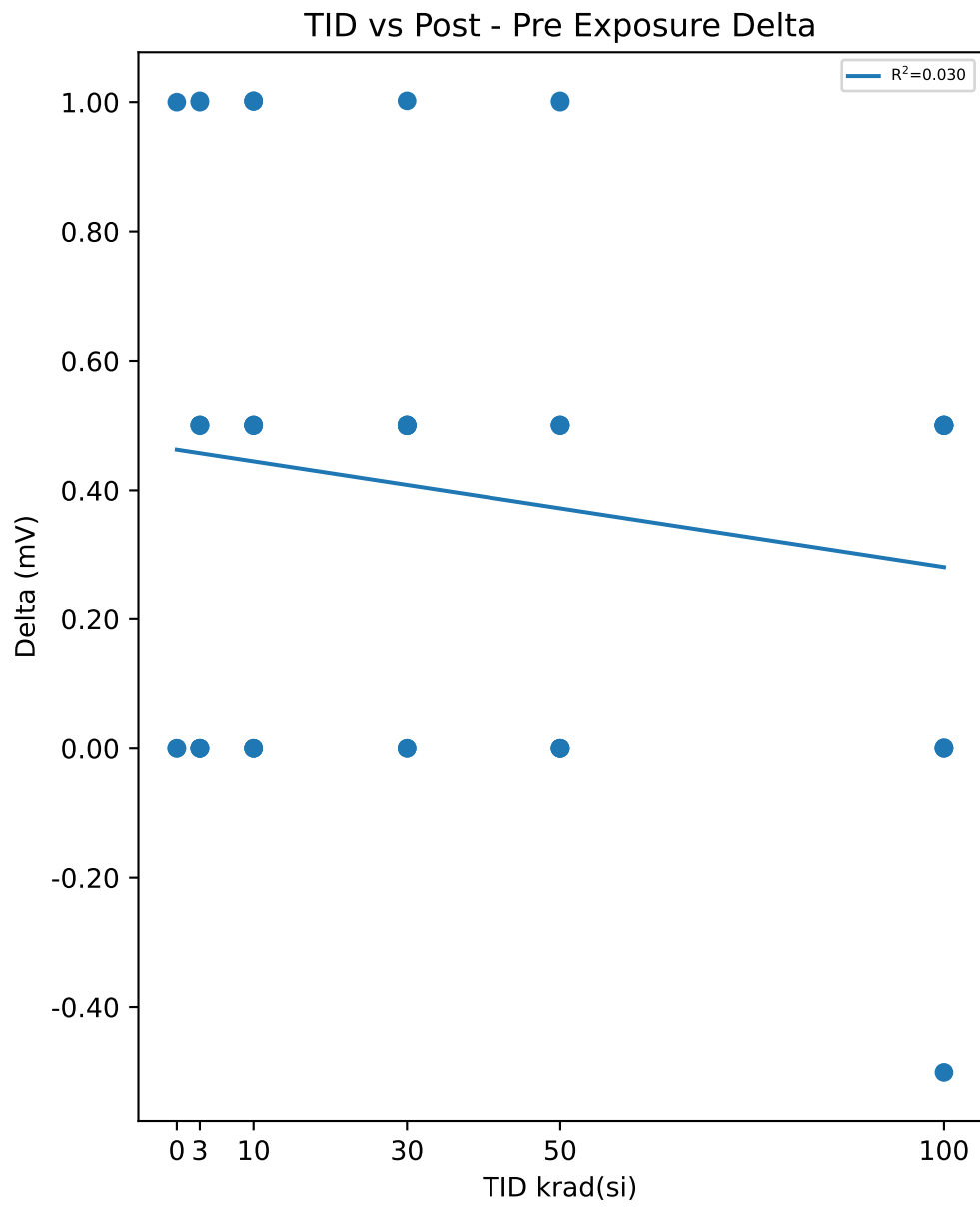
krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	0.4972	0.49957	0.5028	0.0028989	0.4972	0.4994	0.5023	0.0026211	-0.0005	-0.00016667	0	0.00028868
3	0.4922	0.50191	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))

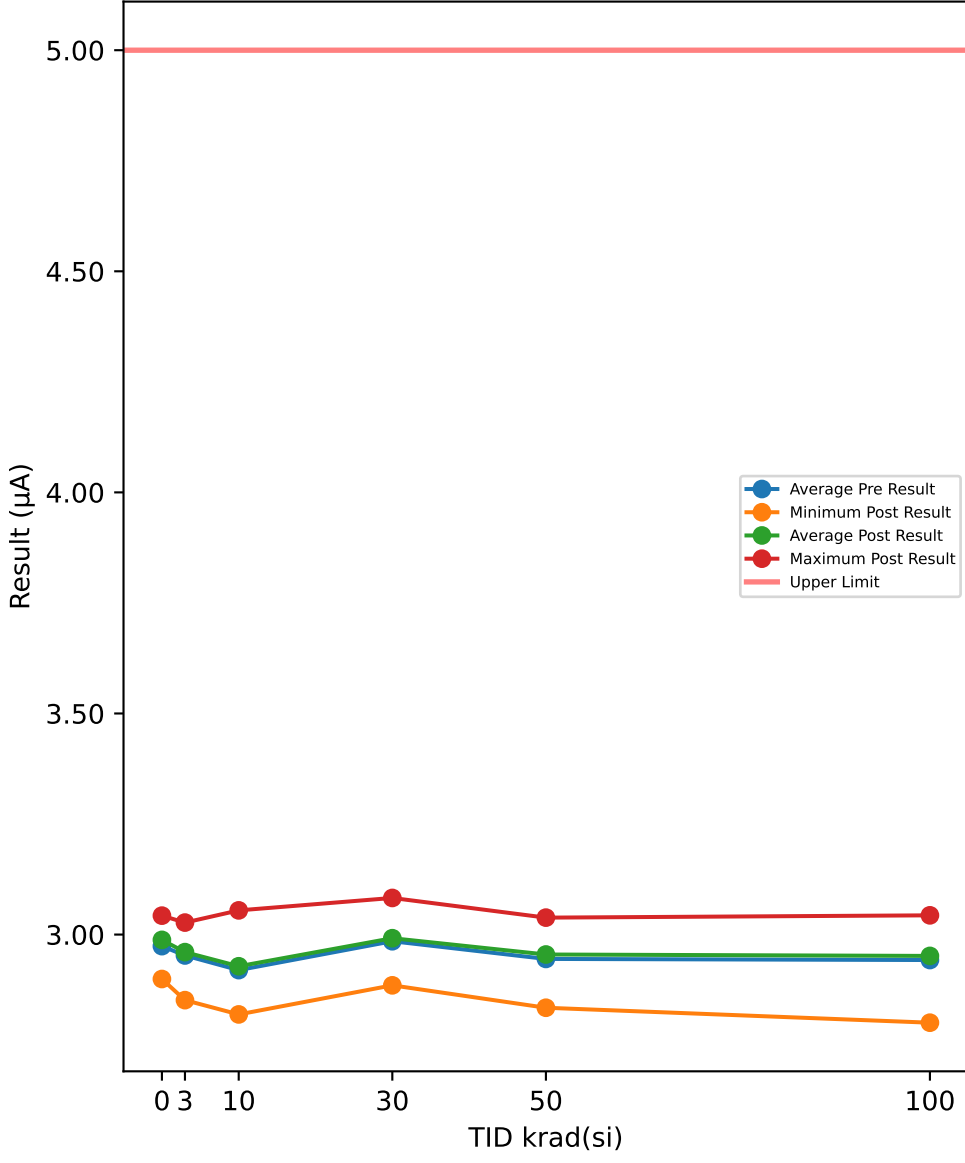
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
390	100	Biased	103	103.5	0.501
392	100	Biased	103.5	104	0.501
393	100	Biased	103.5	103.5	0.001
394	100	Biased	103.5	104	0.5
395	100	Biased	104	104	0
412	100	Unbiased	104	104.5	0.5
413	100	Unbiased	103.5	104	0.501
414	100	Unbiased	104	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

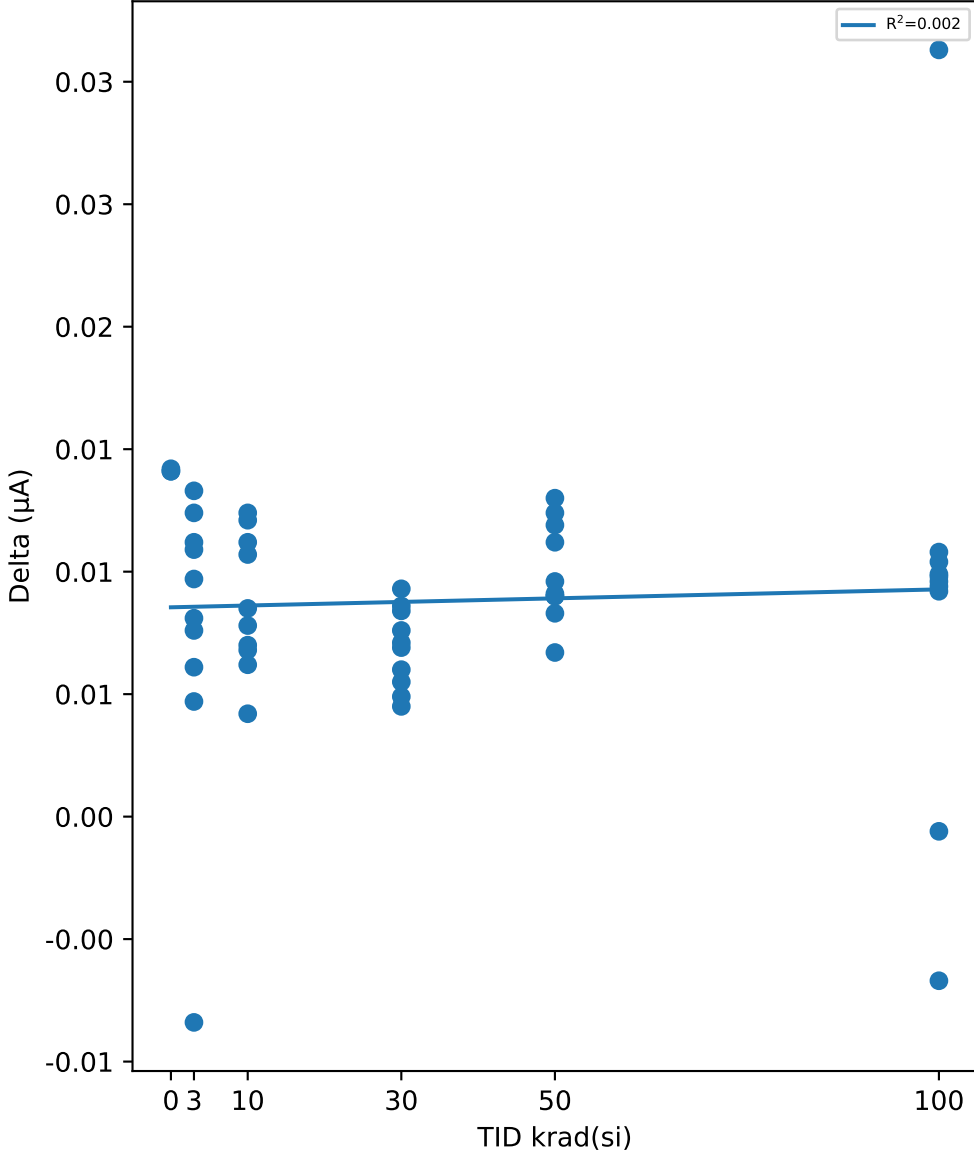
TID vs Result Stats



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

TID vs Post - Pre Exposure Delta

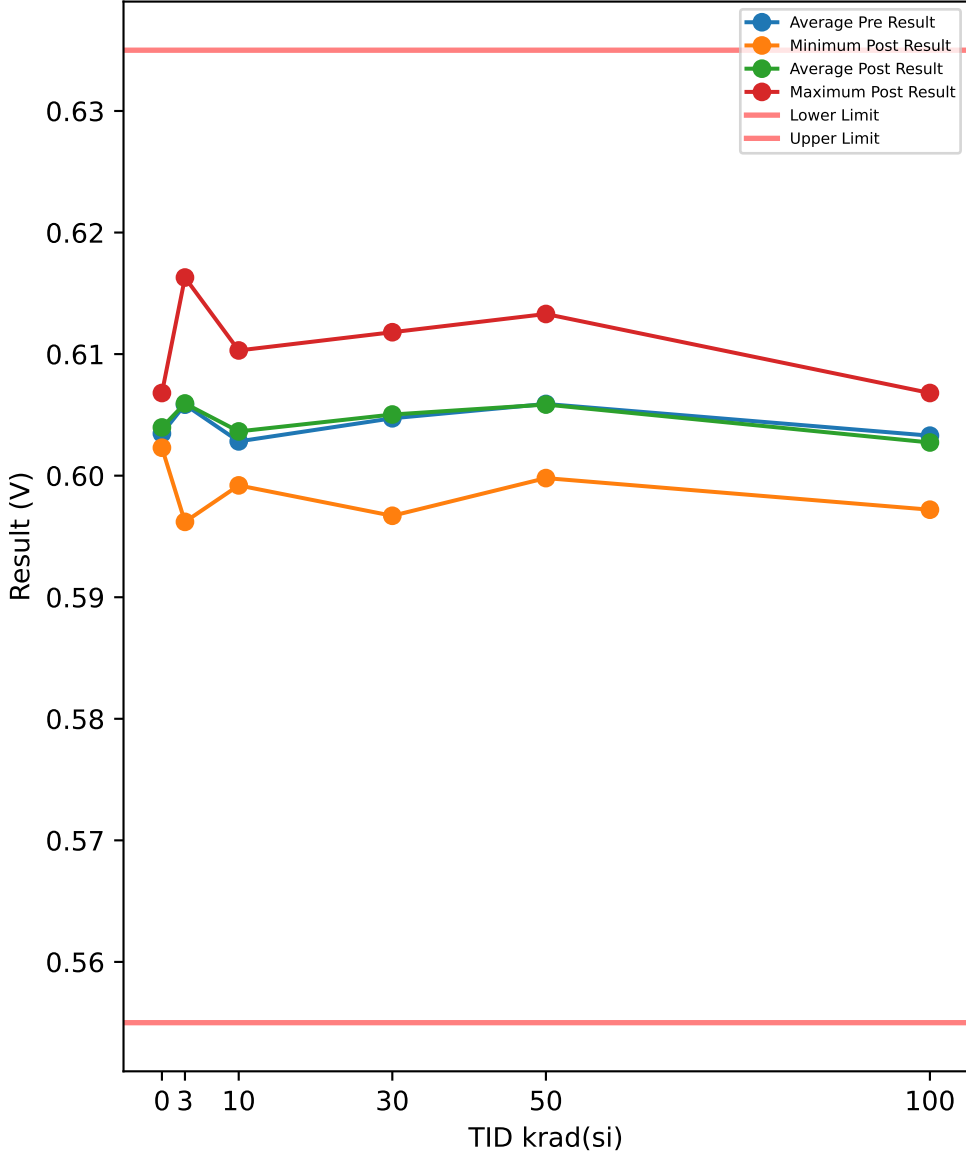


Test Statistics (µA)

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	2.8854	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)

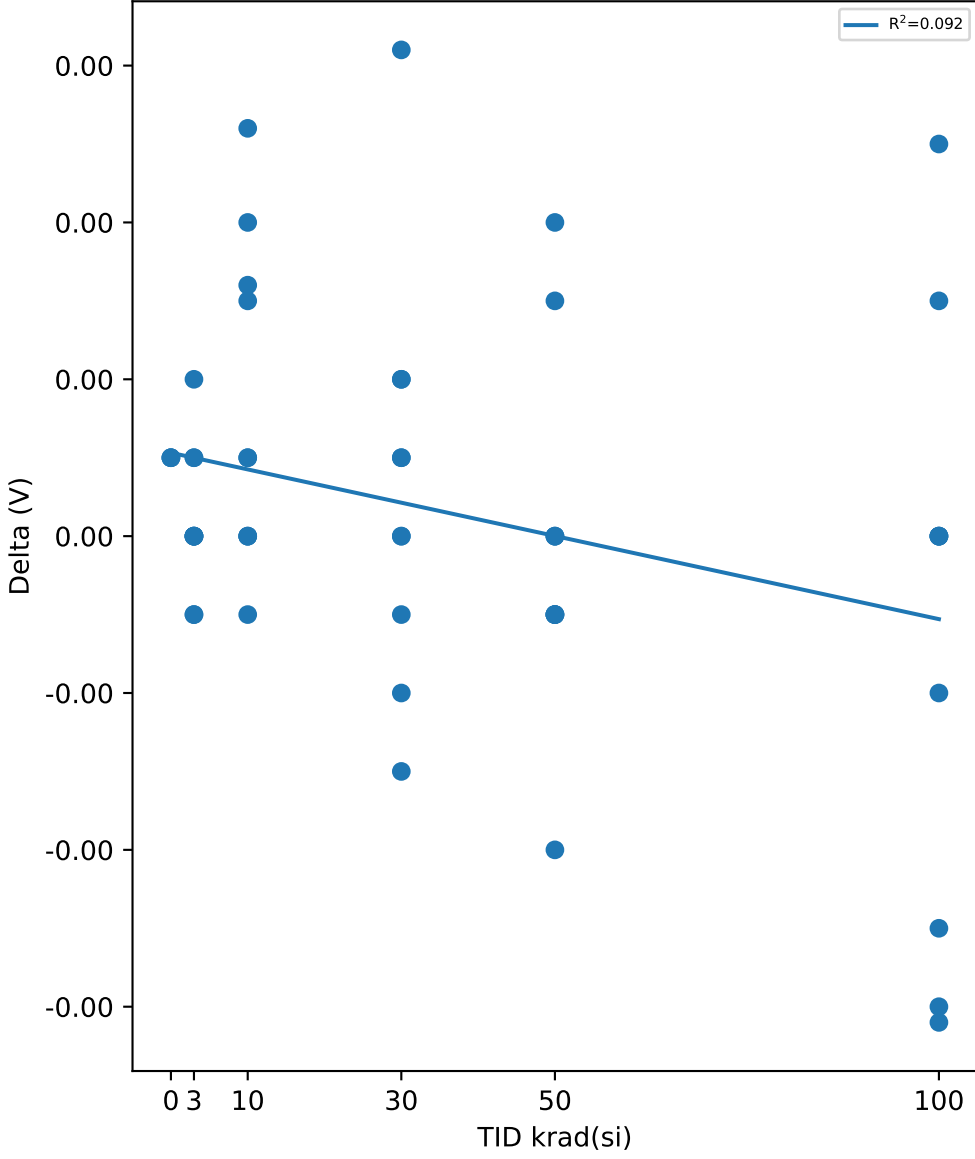
TID vs Result Stats



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

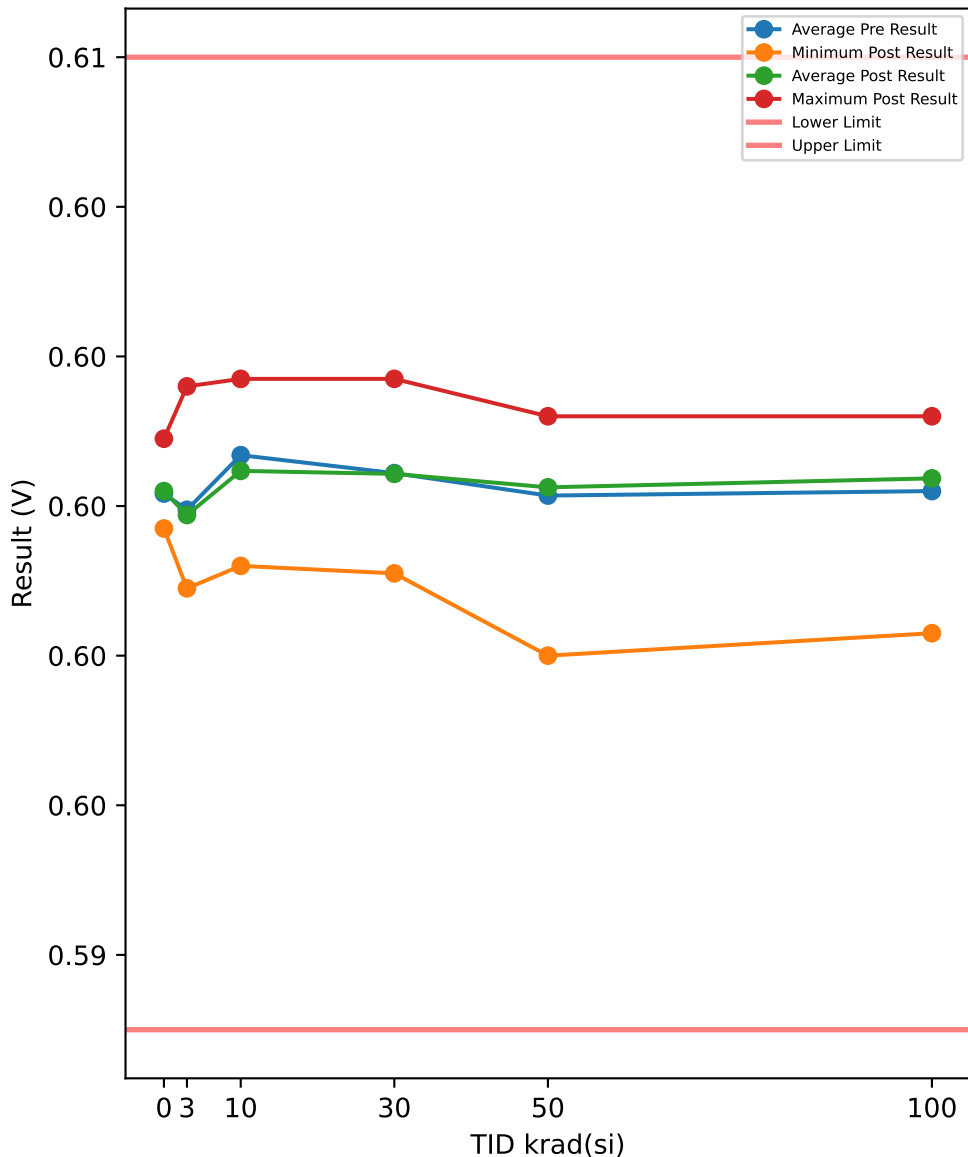
TID vs Post - Pre Exposure Delta



Test Statistics (V)

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	0.6018	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

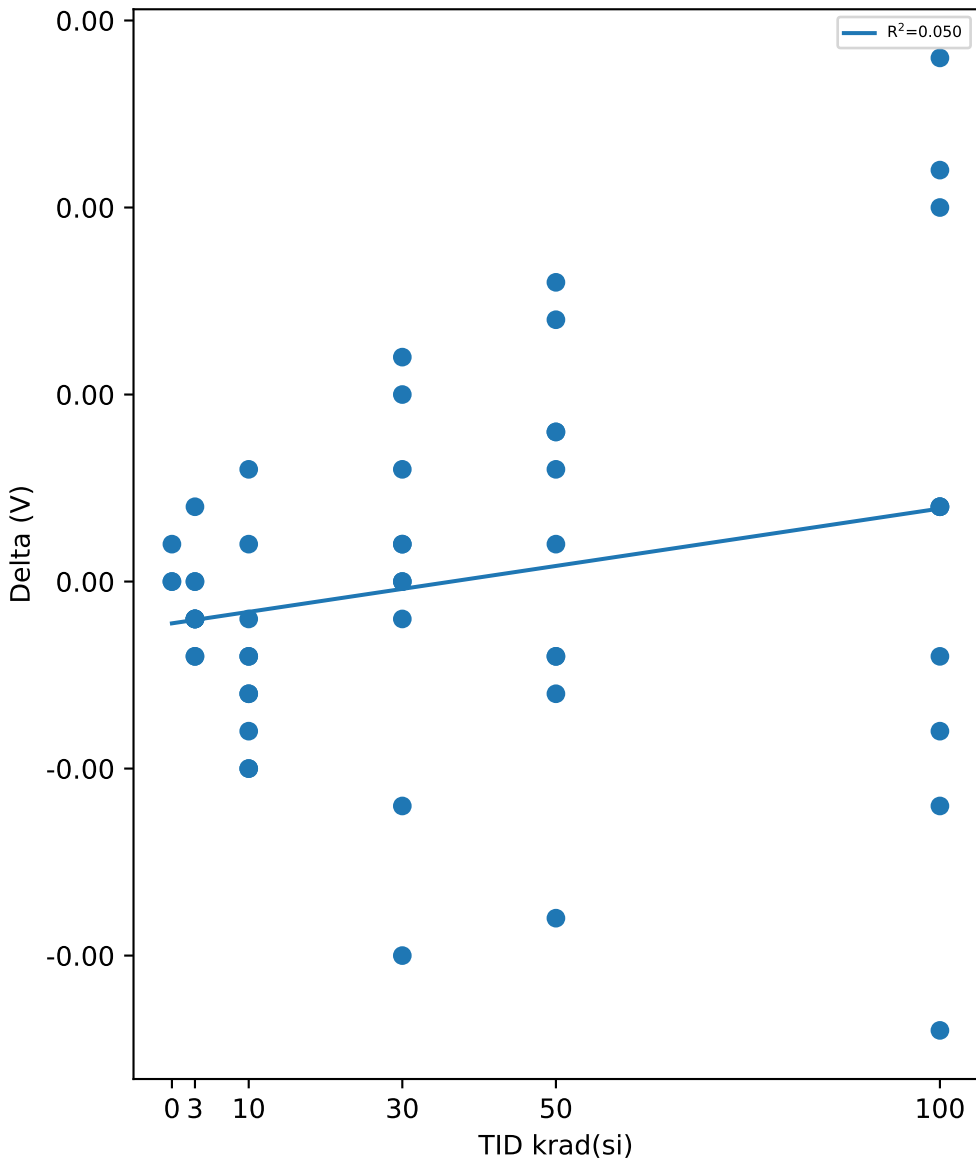
TID vs Result Stats



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

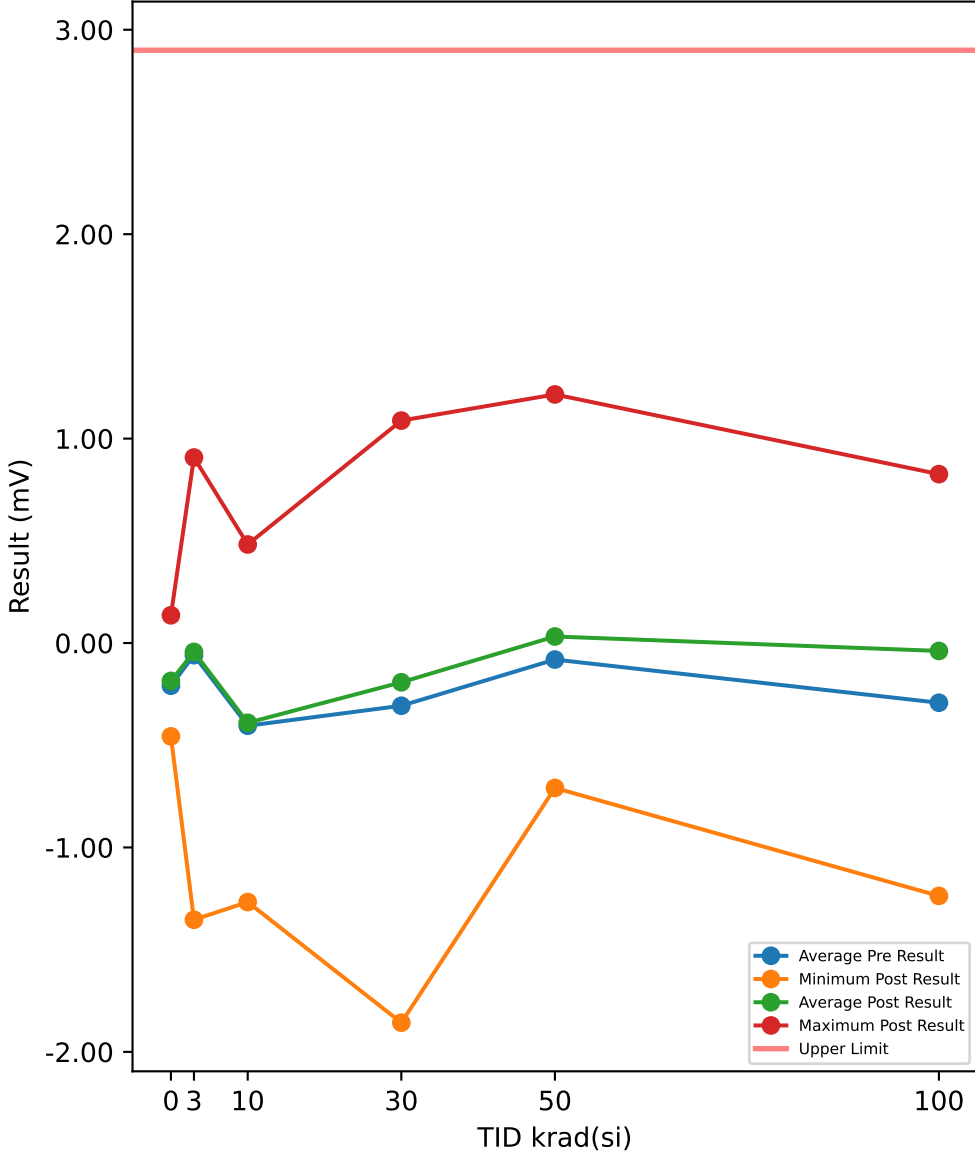
TID vs Post - Pre Exposure Delta



Test Statistics (V)

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	0.5996	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

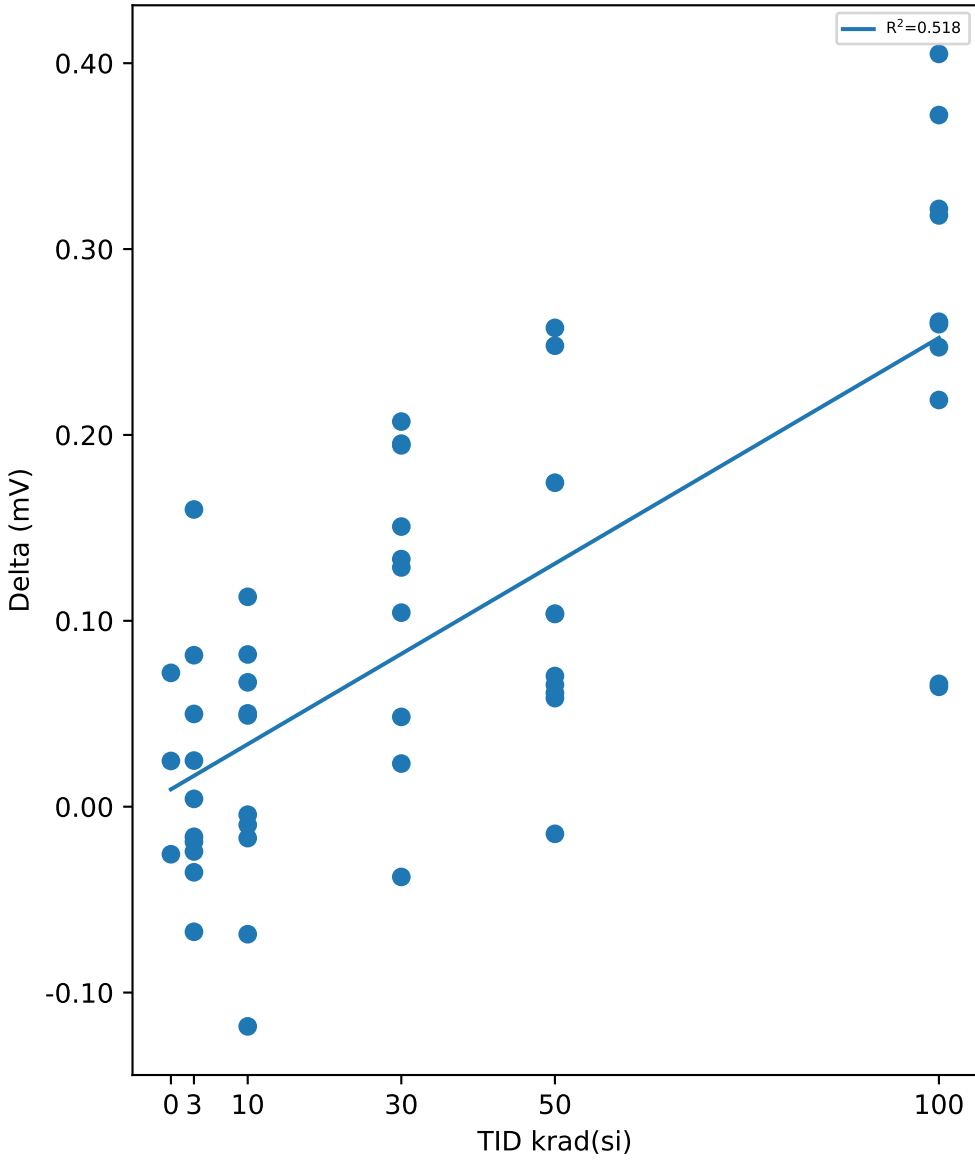
TID vs Result Stats



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

TID vs Post - Pre Exposure Delta

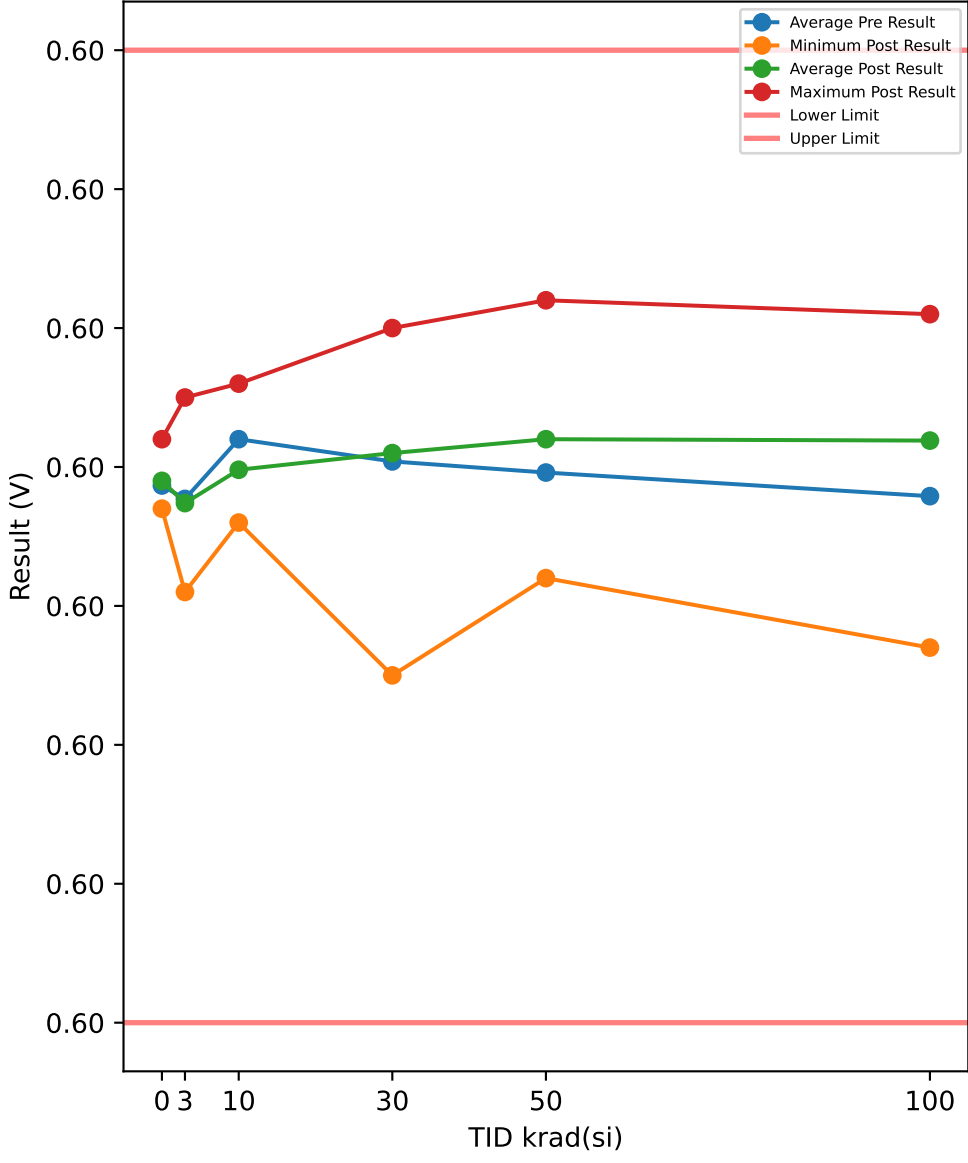


Test Statistics (mV)

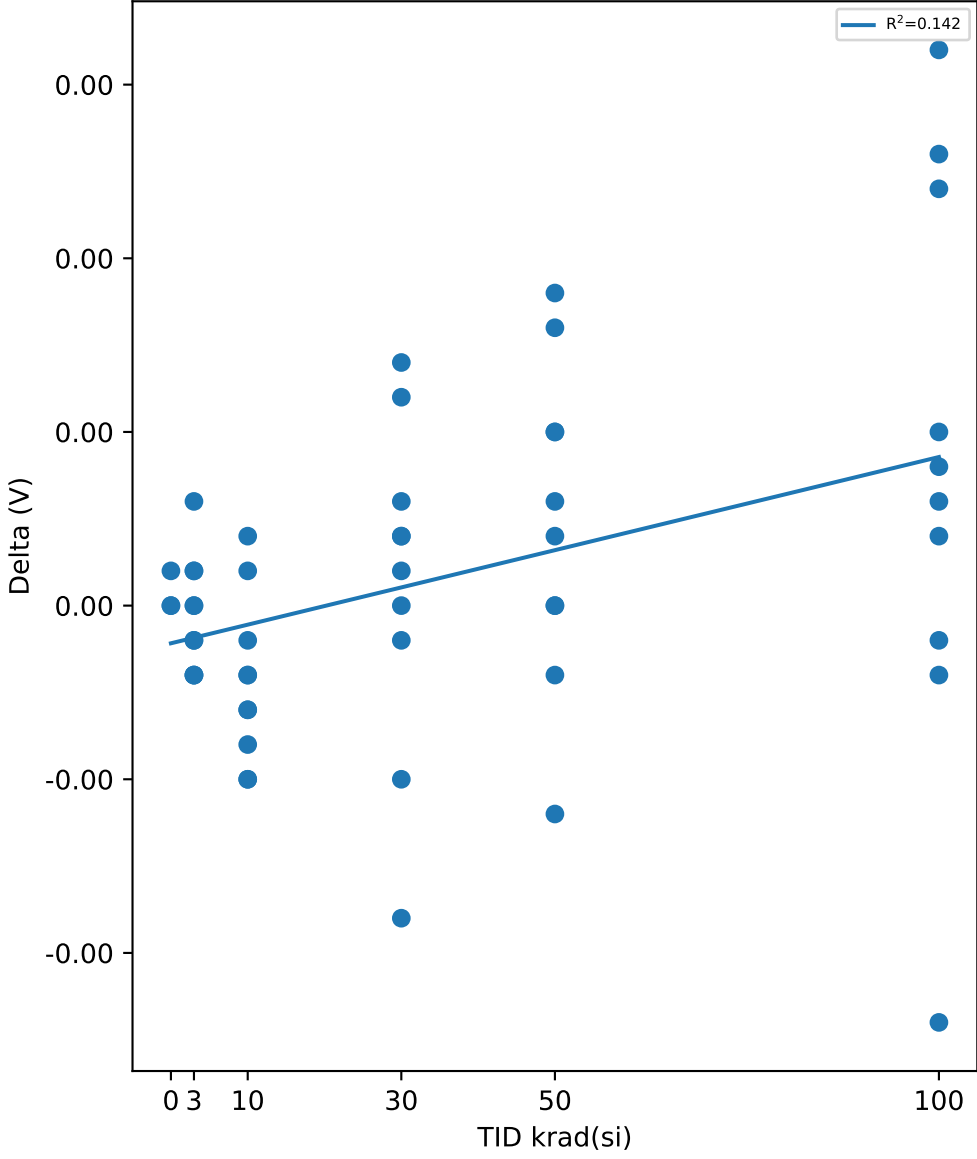
krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	-0.4812	-0.20893	0.1614	0.33233	-0.4566	-0.18527	0.1358	0.29932	-0.0256	0.023667	0.072	0.048807
3	-1.3374	-0.05925	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)

TID vs Result Stats



TID vs Post - Pre Exposure Delta



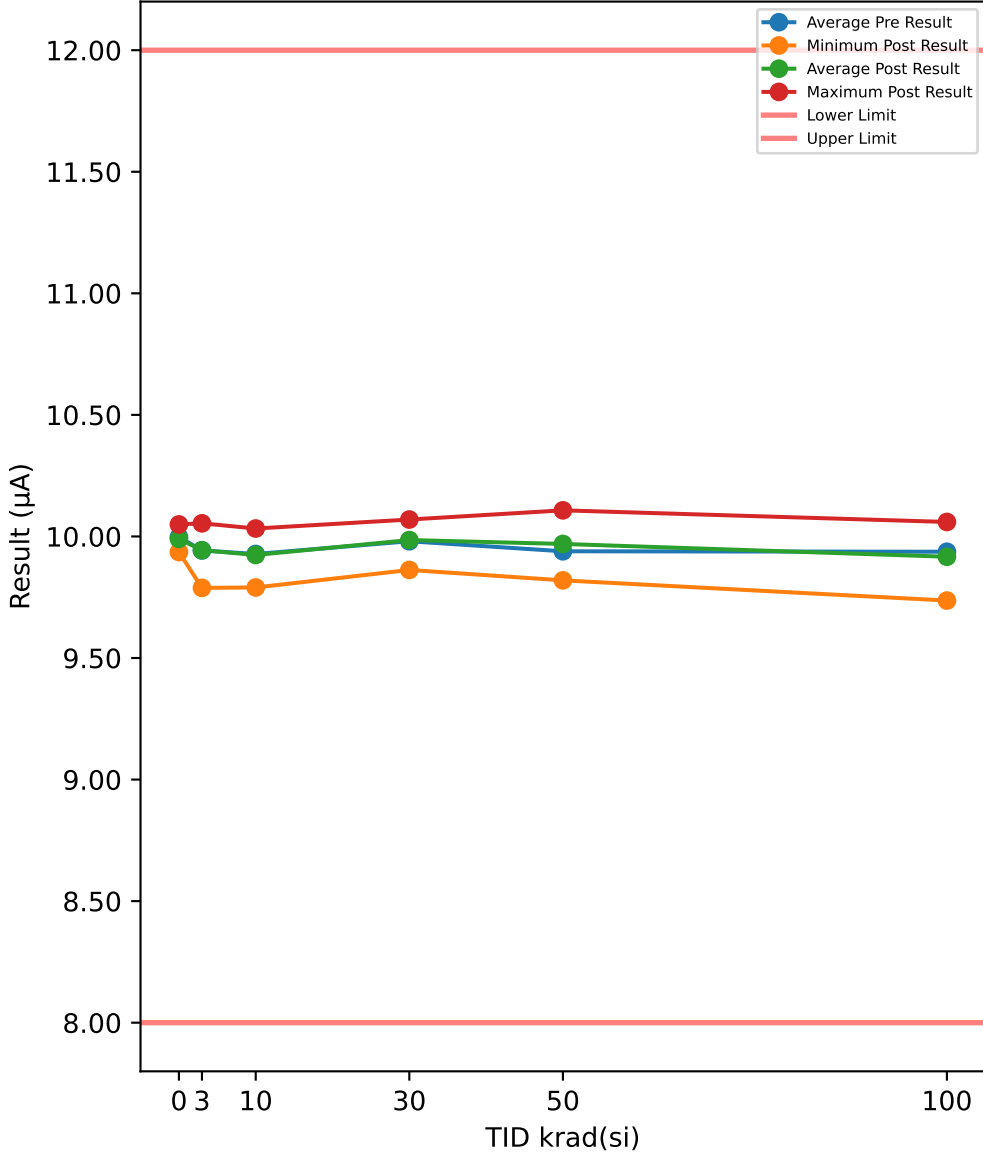
Test Results (Lower Limit = 0.596, Upper Limit = 0.603 (V))

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

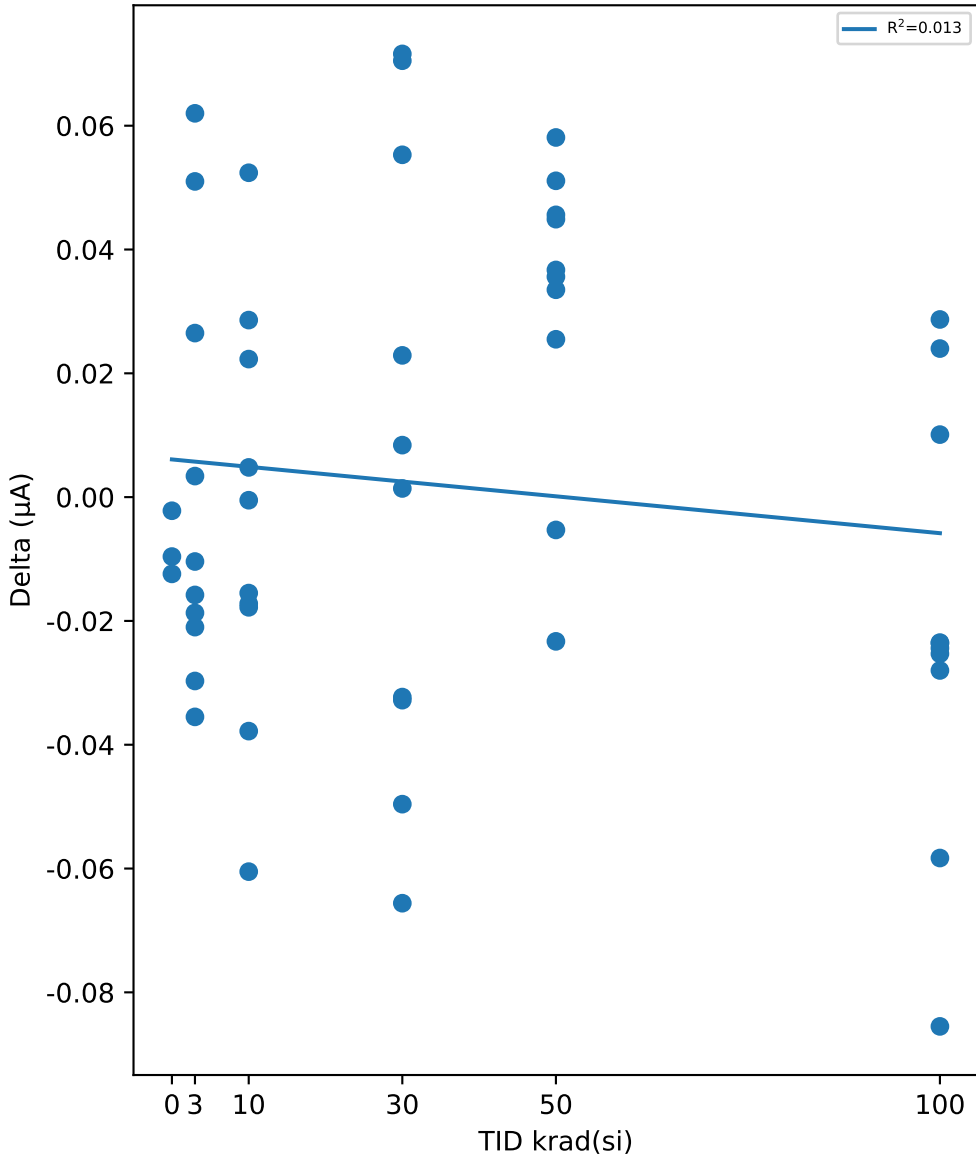
TID vs Result Stats



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

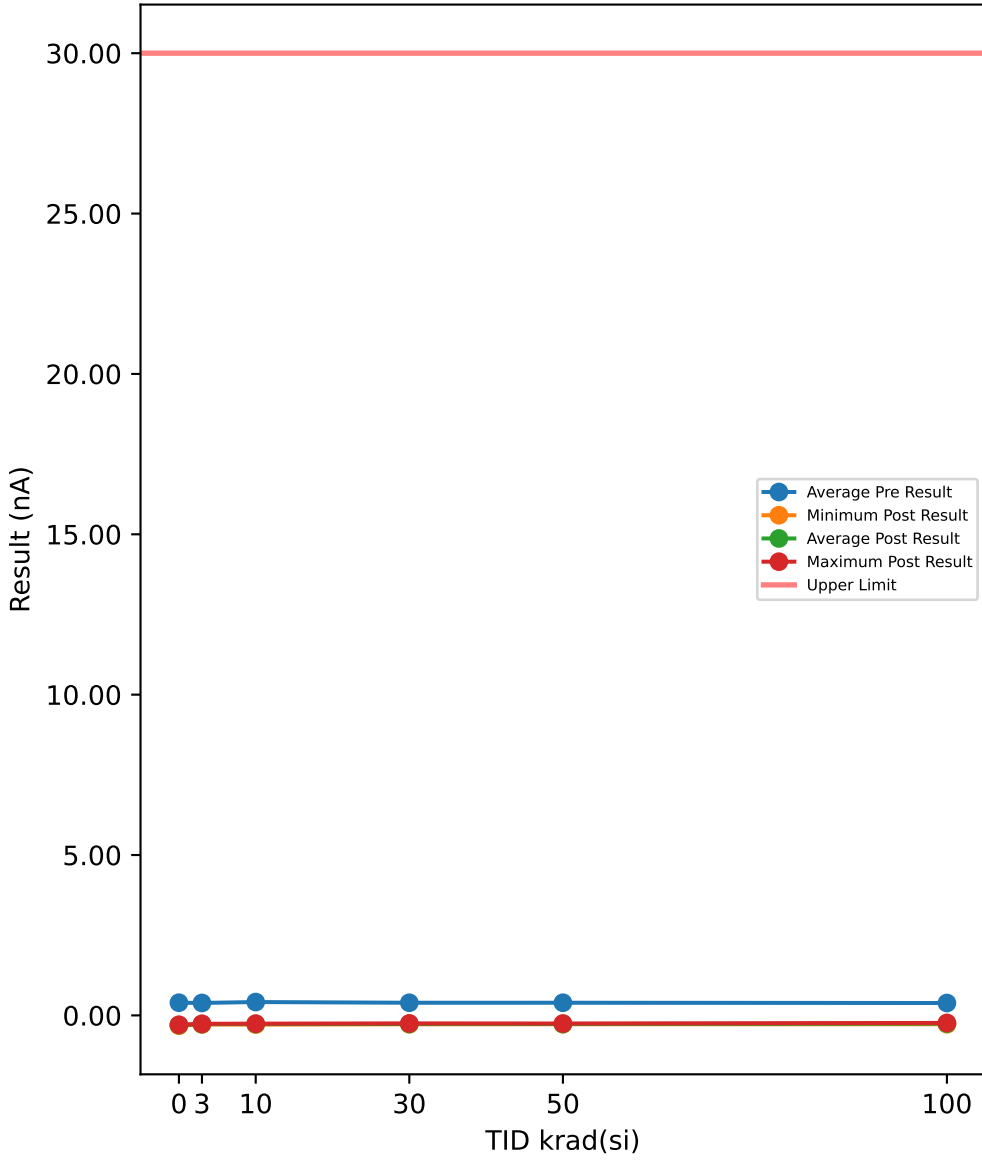
TID vs Post - Pre Exposure Delta



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	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

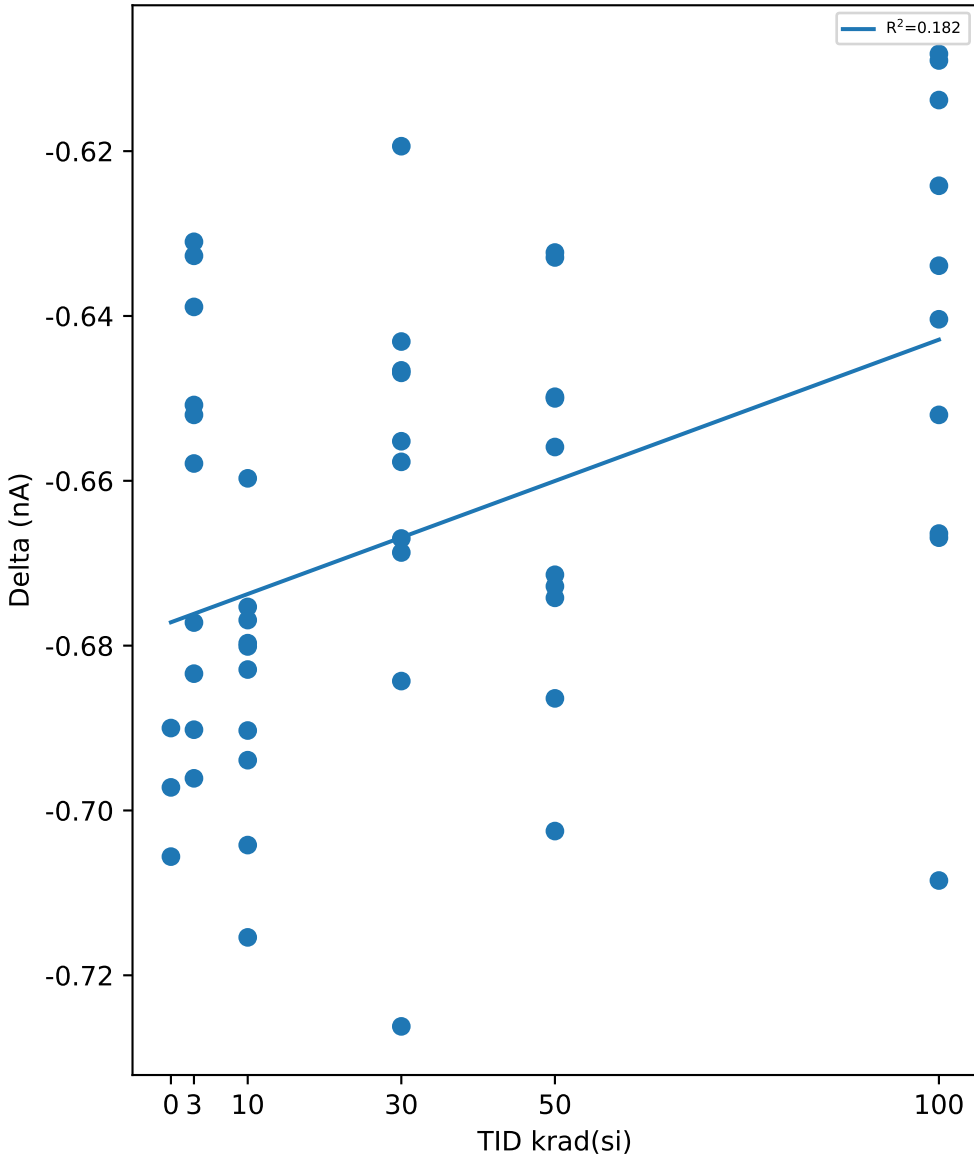
TID vs Result Stats



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

TID vs Post - Pre Exposure Delta

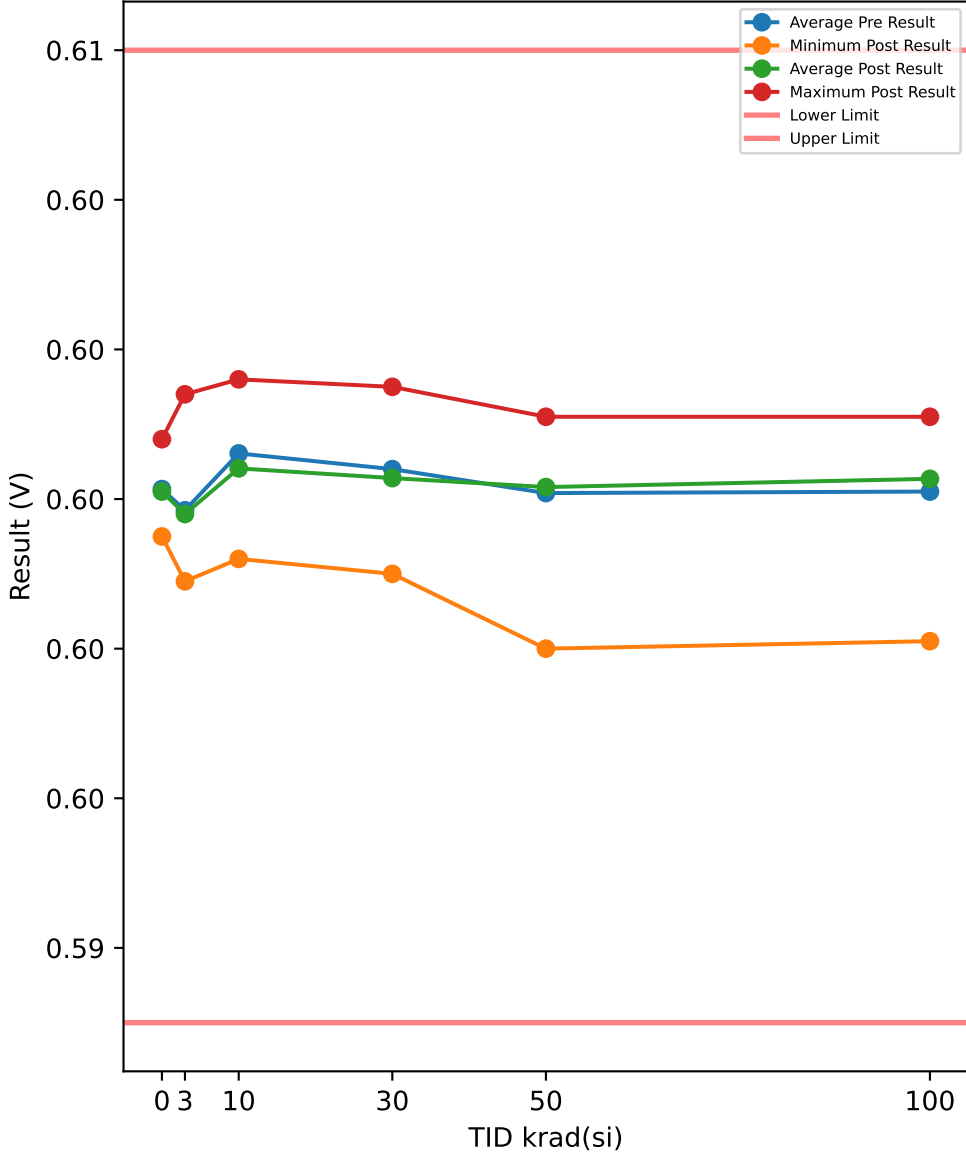


Test Statistics (nA)

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/VSNP/12////@VREF_PLUS_OFFSET)

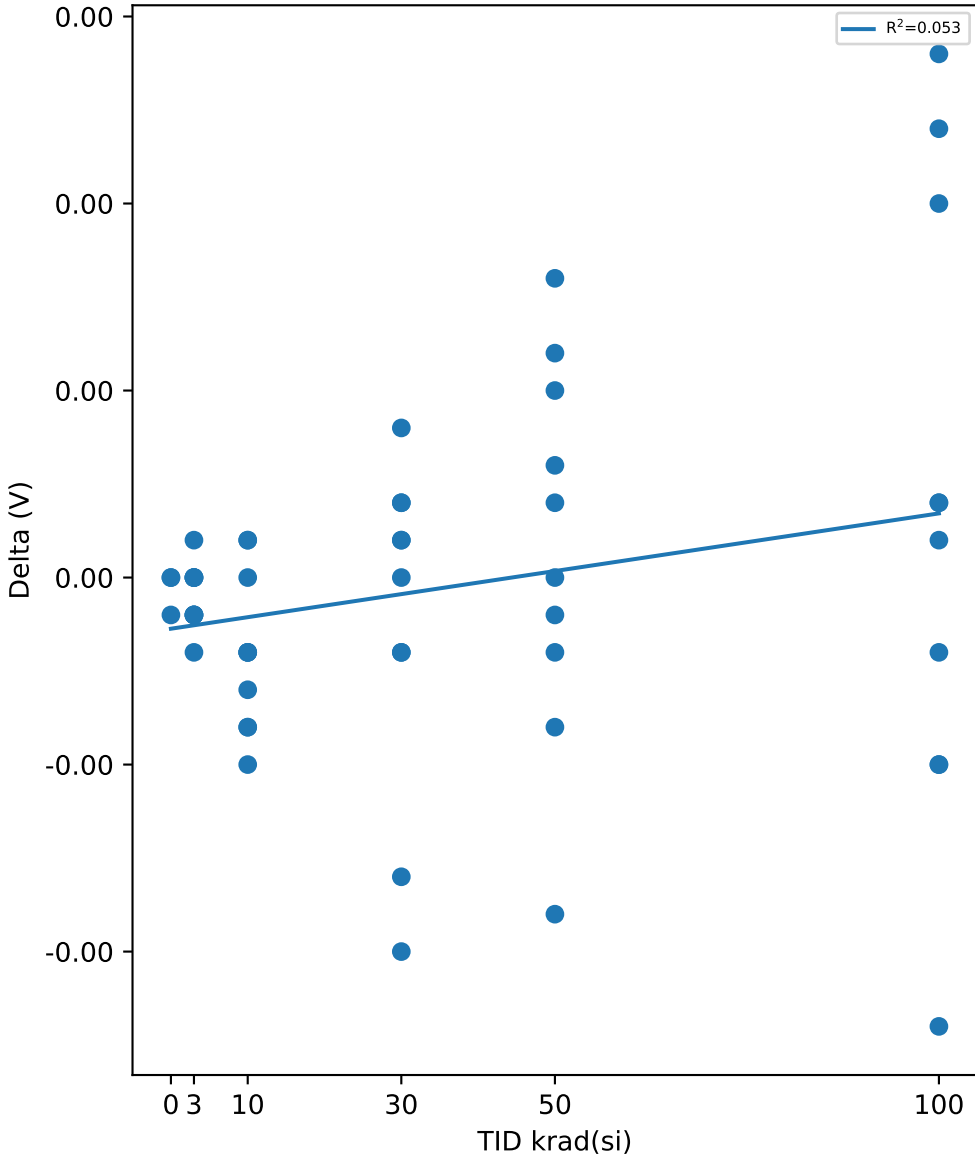
TID vs Result Stats



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

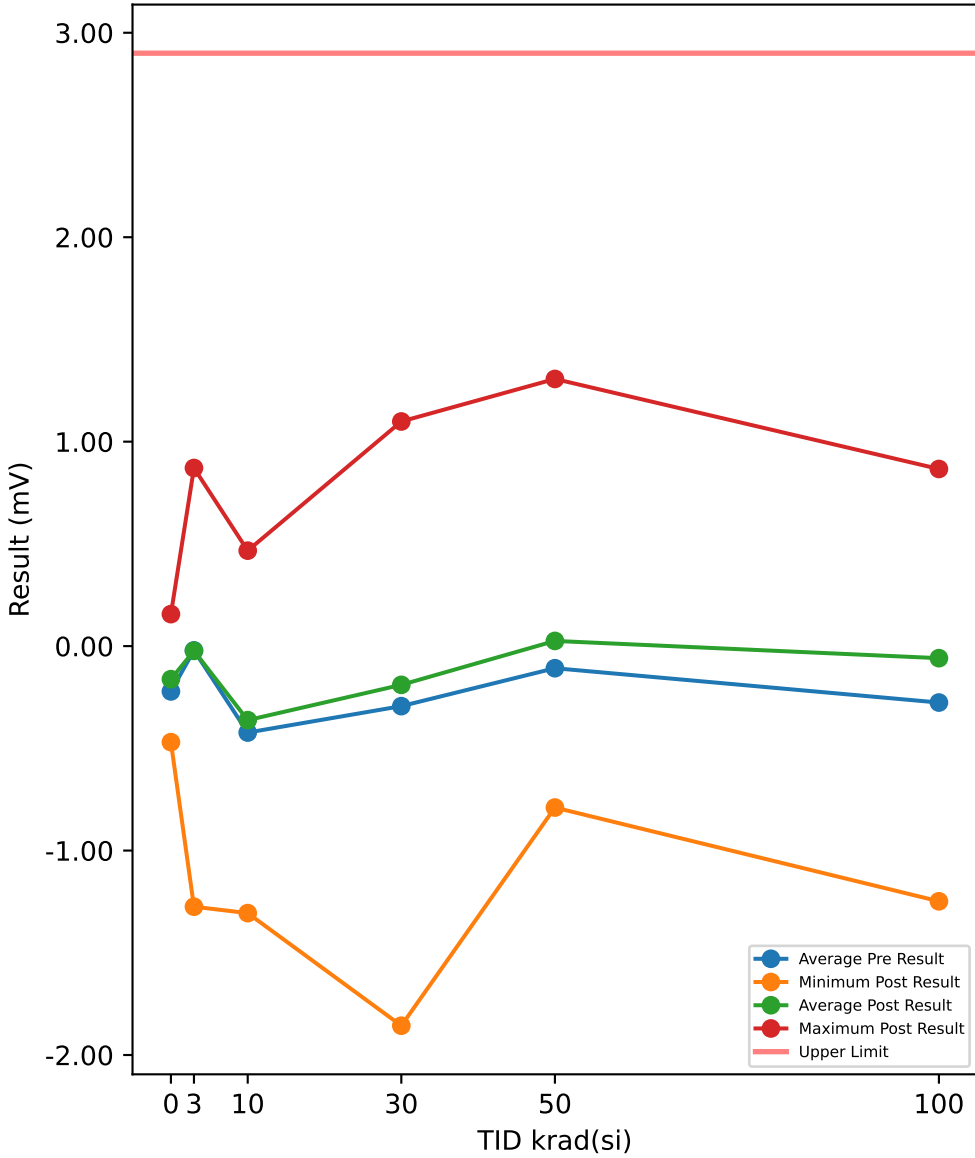
TID vs Post - Pre Exposure Delta



Test Statistics (V)

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	0.5996	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

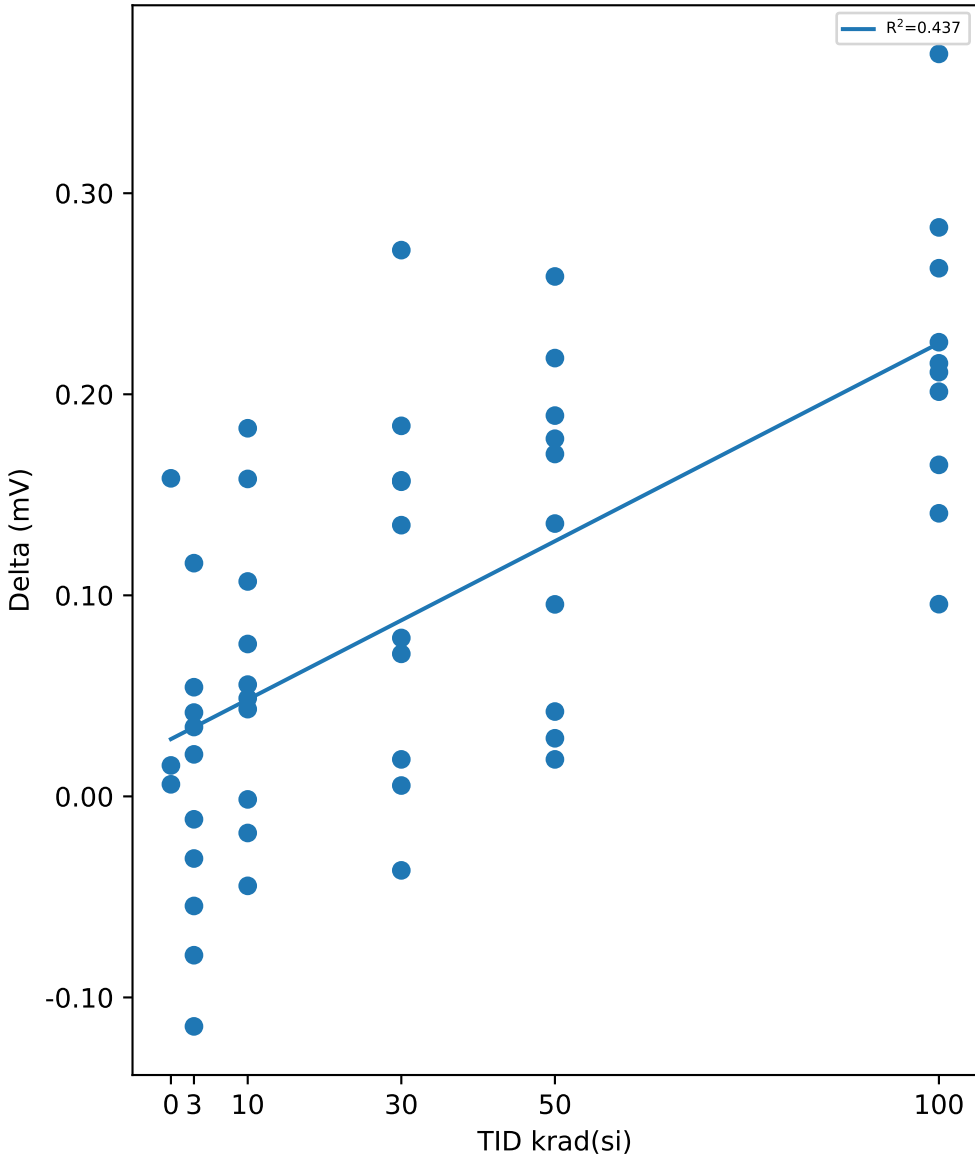
TID vs Result Stats



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

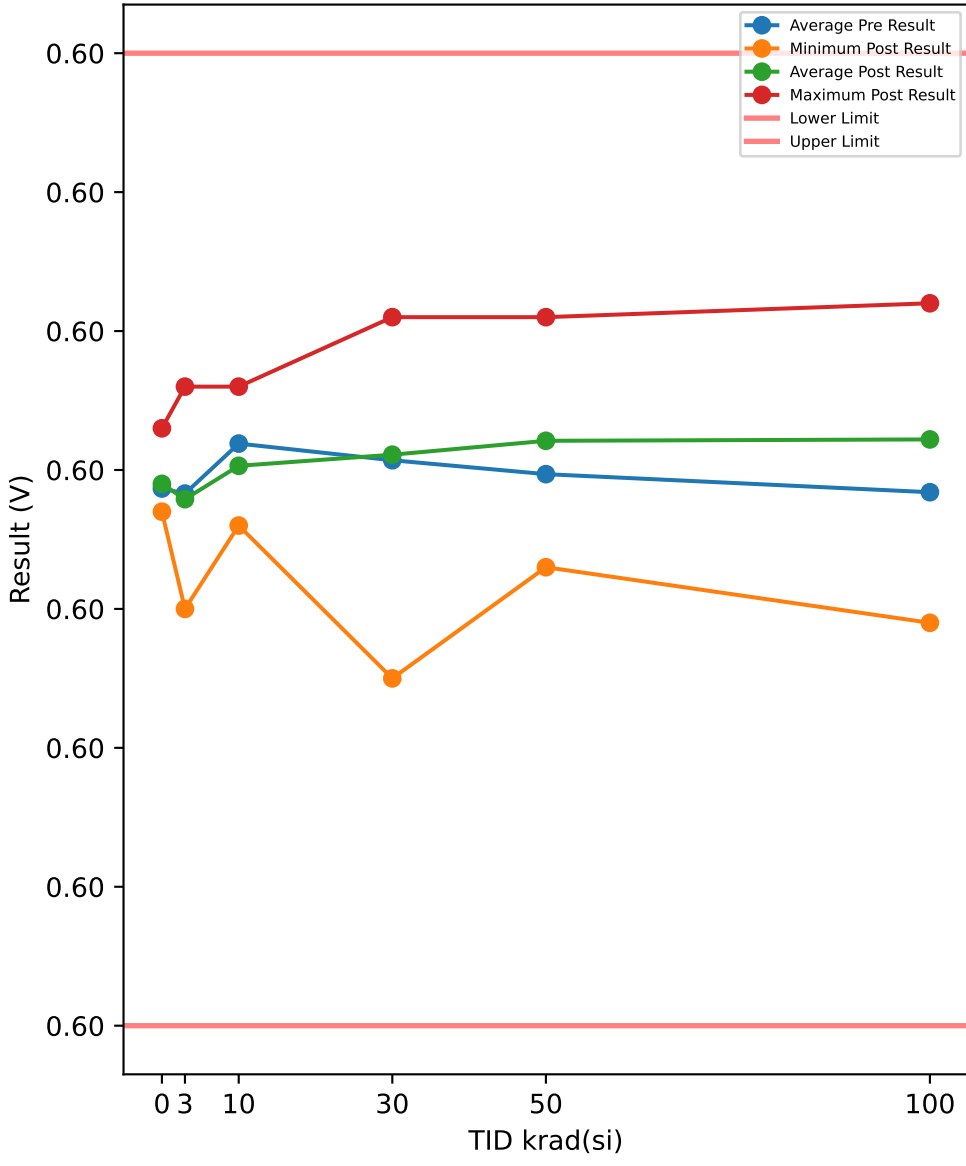
TID vs Post - Pre Exposure Delta



Test Statistics (mV)

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	-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

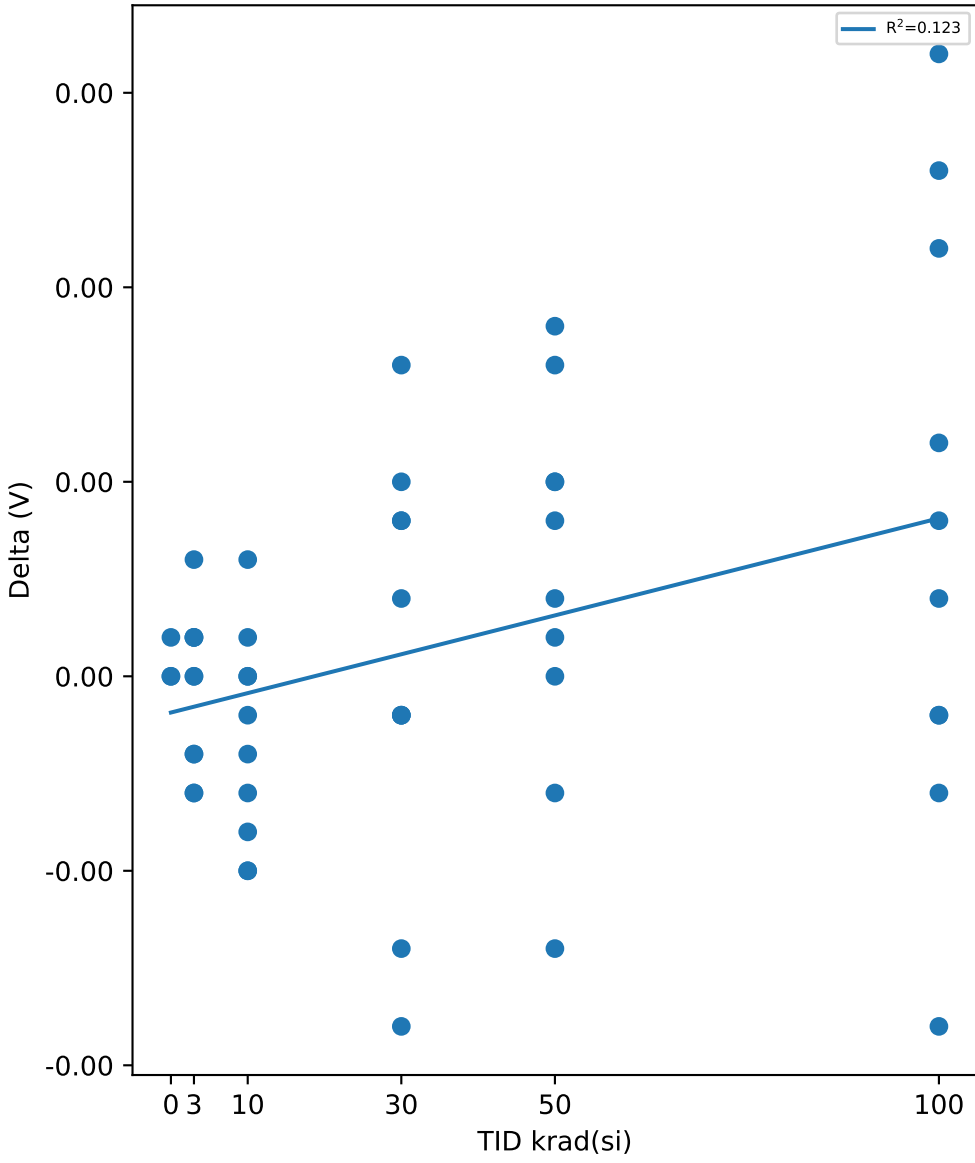
TID vs Result Stats



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

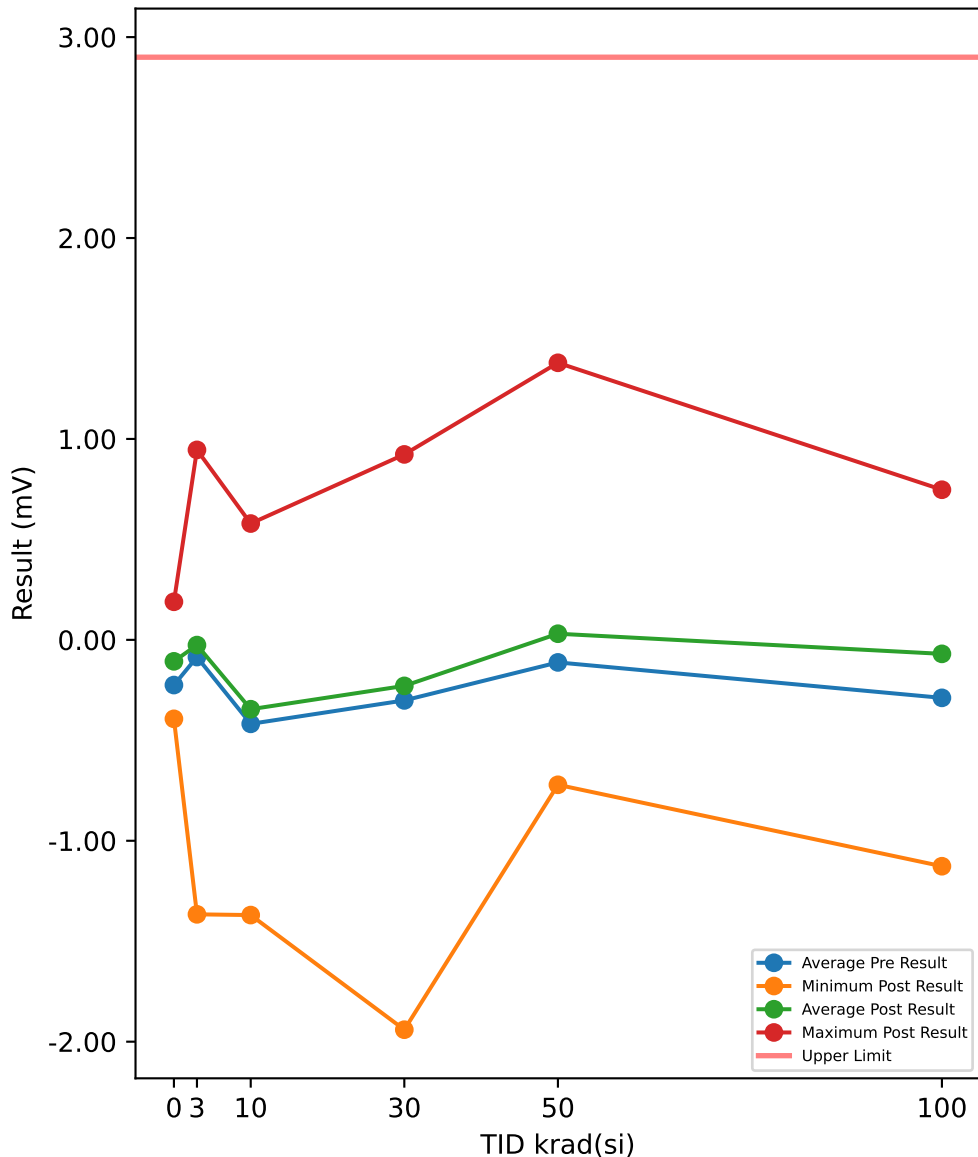
TID vs Post - Pre Exposure Delta



Test Statistics (V)

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	0.5996	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

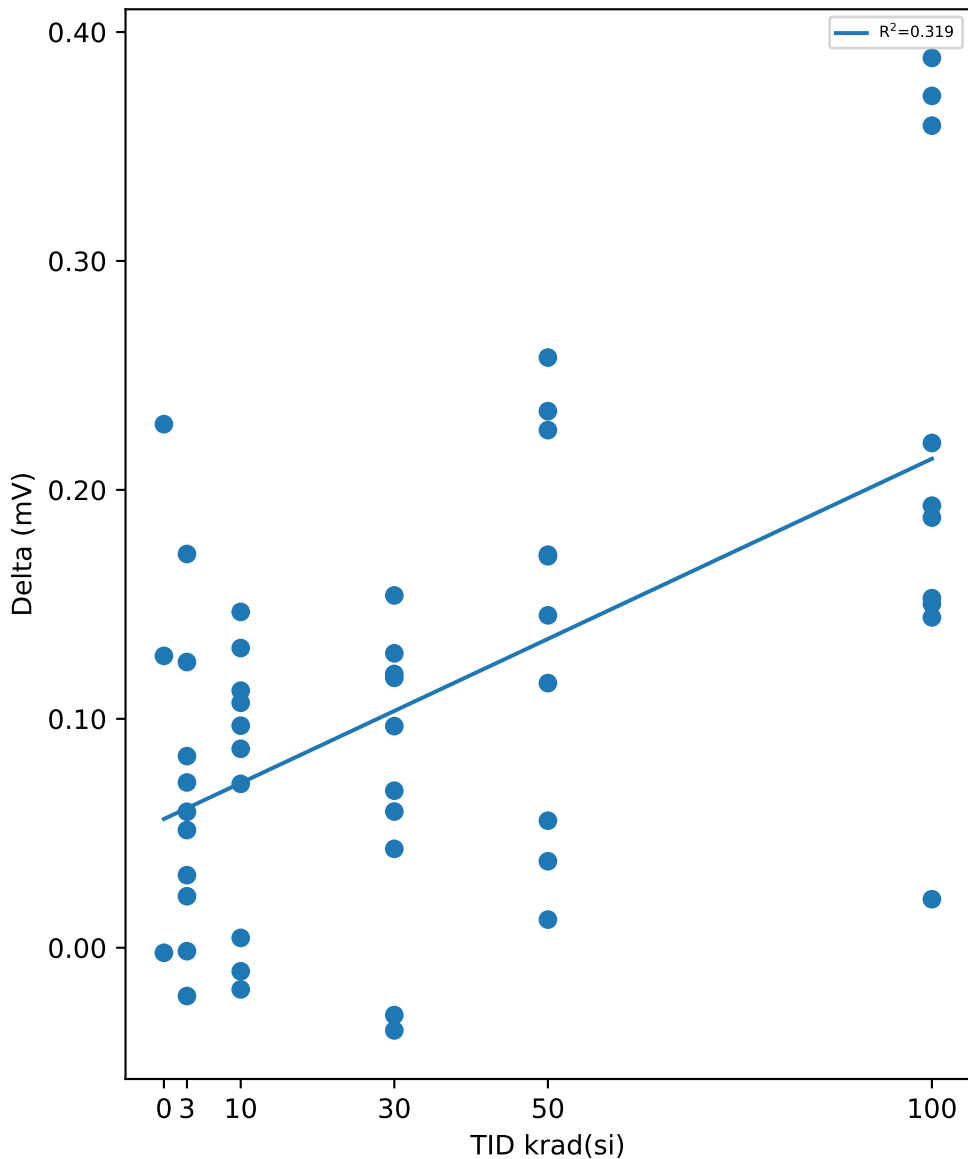
TID vs Result Stats



Test Results (Upper Limit = 2.9 (mV))

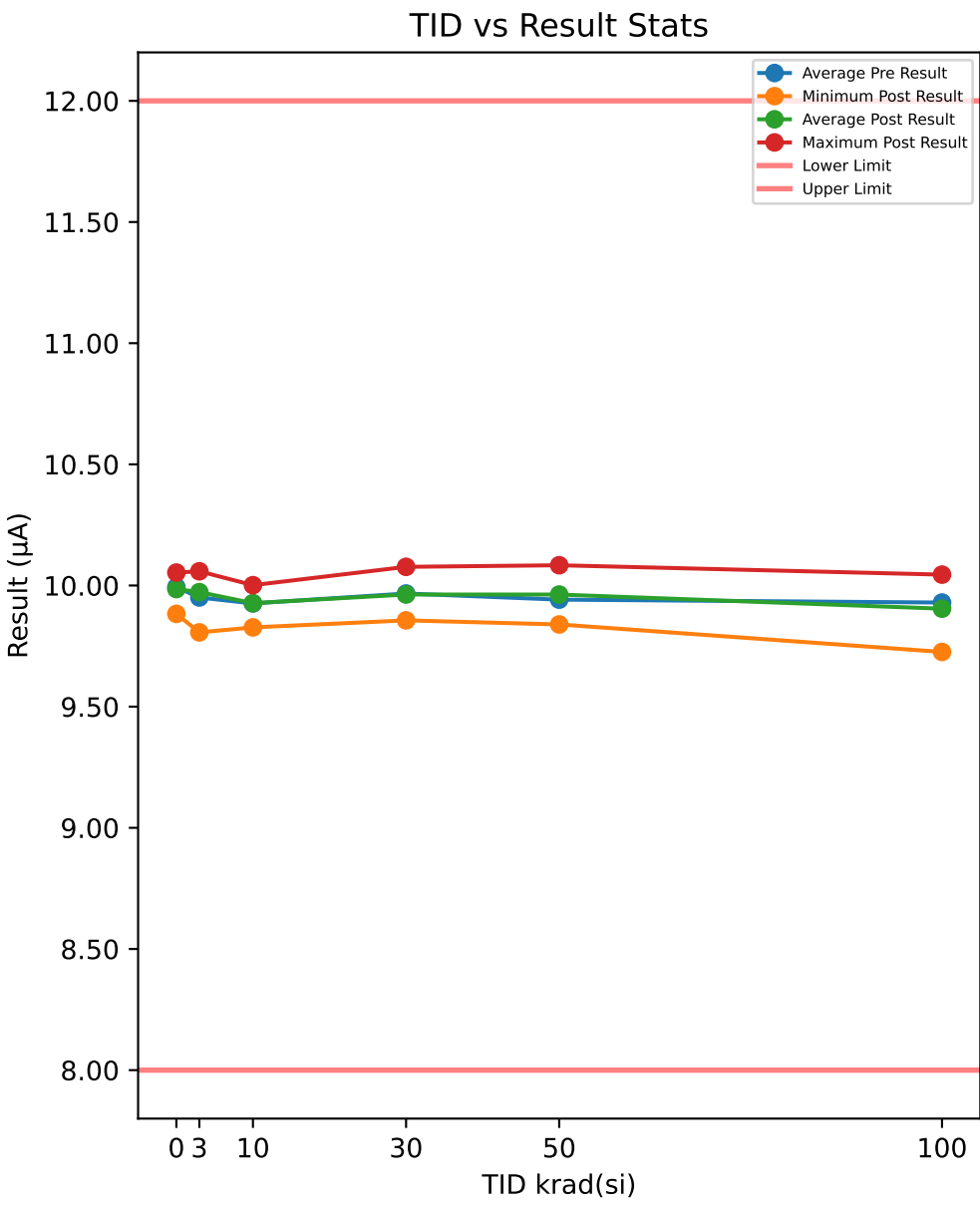
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
390	100	Biased	0.6029	0.7472	0.1443
392	100	Biased	0.5231	0.7436	0.2205
393	100	Biased	-0.244	-0.0913	0.1527
394	100	Biased	-0.1255	0.0247	0.1502
395	100	Biased	-0.8862	-0.5141	0.3721
412	100	Unbiased	-0.7955	-0.4364	0.3591
413	100	Unbiased	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

TID vs Post - Pre Exposure Delta



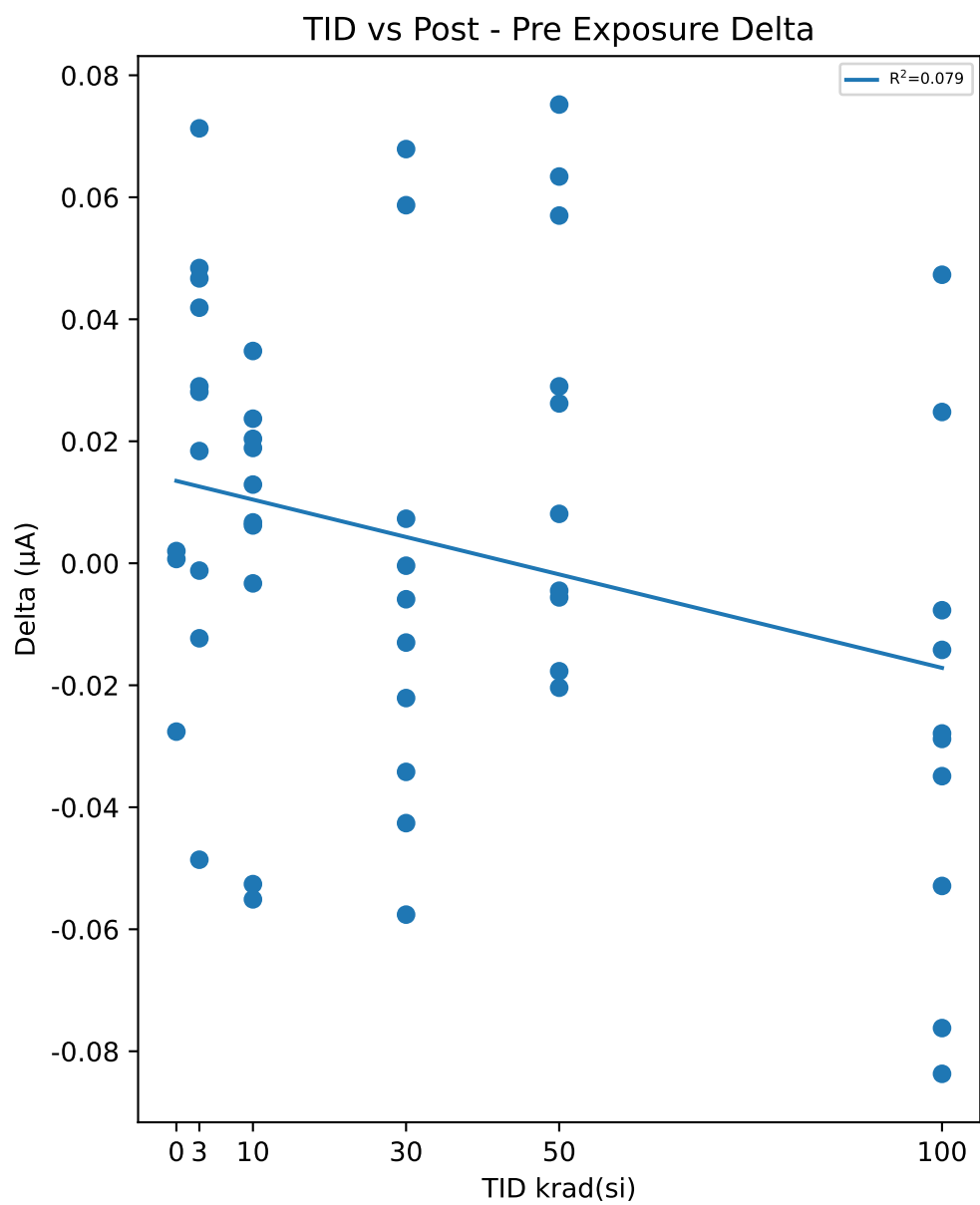
Test Statistics (mV)

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	-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



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

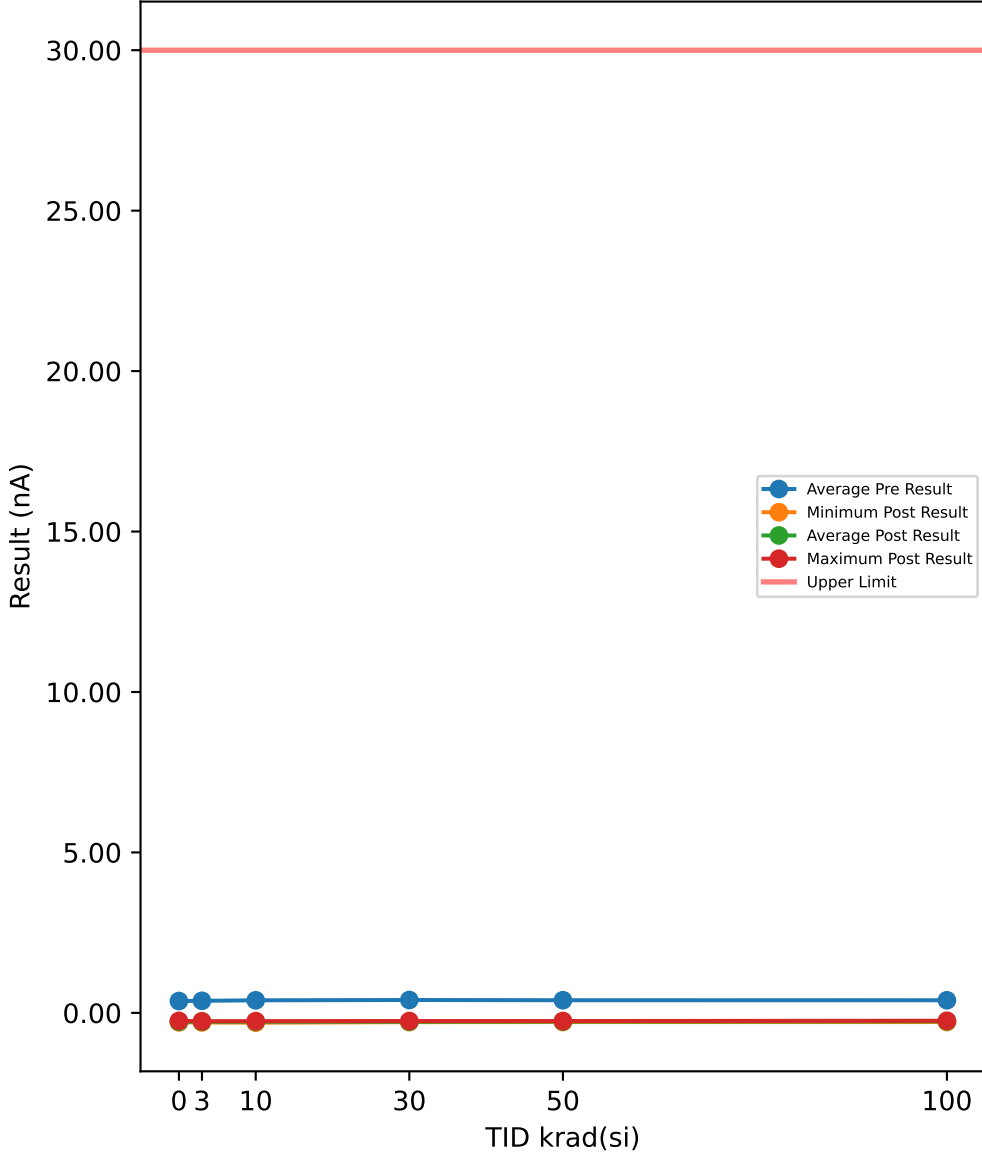
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
390	100	Biased	9.9954	9.9605	-0.0349
392	100	Biased	9.9976	10.045	0.0473
393	100	Biased	9.9377	9.9089	-0.0288
394	100	Biased	10.044	10.03	-0.0142
395	100	Biased	9.9614	9.9085	-0.0529
412	100	Unbiased	9.8901	9.8139	-0.0762
413	100	Unbiased	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

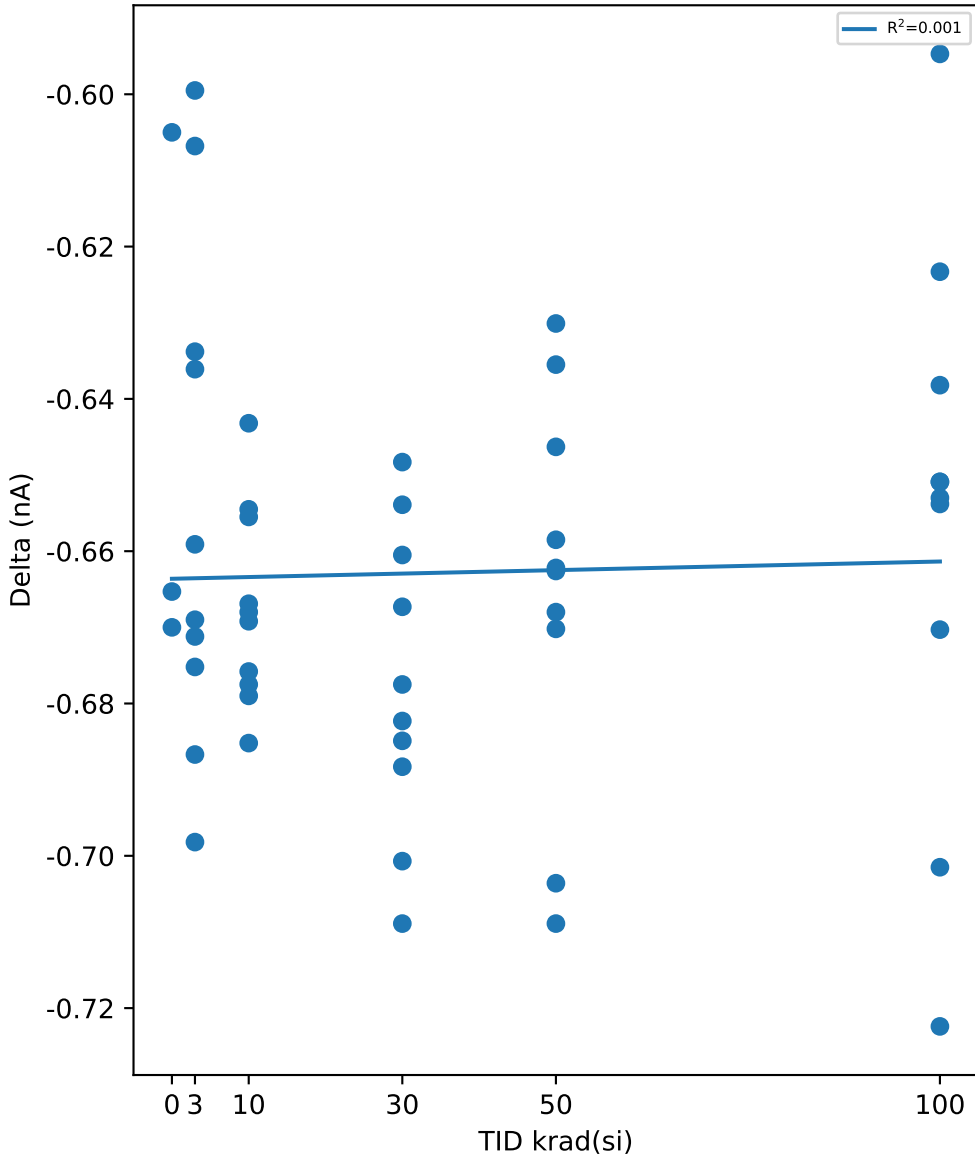
TID vs Result Stats



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

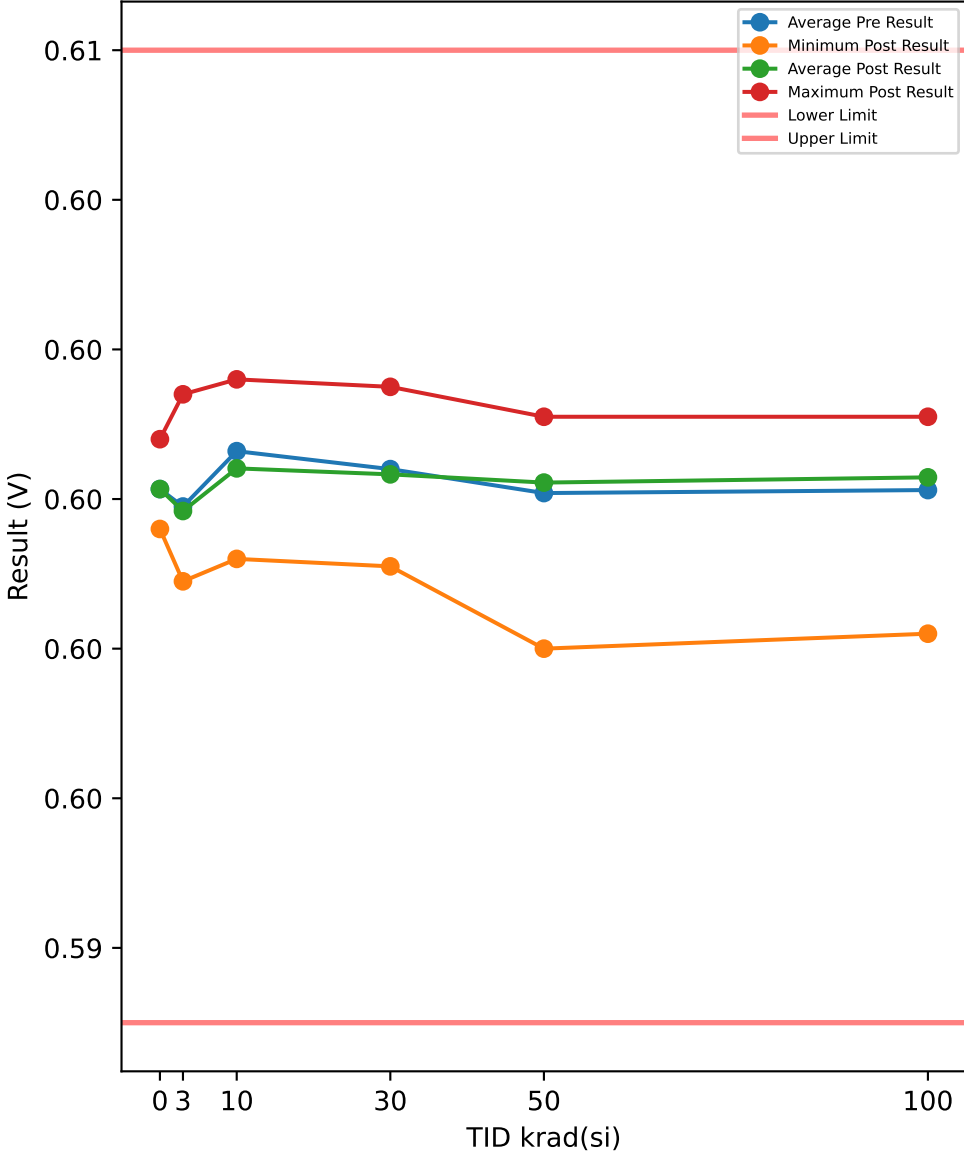
TID vs Post - Pre Exposure Delta



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

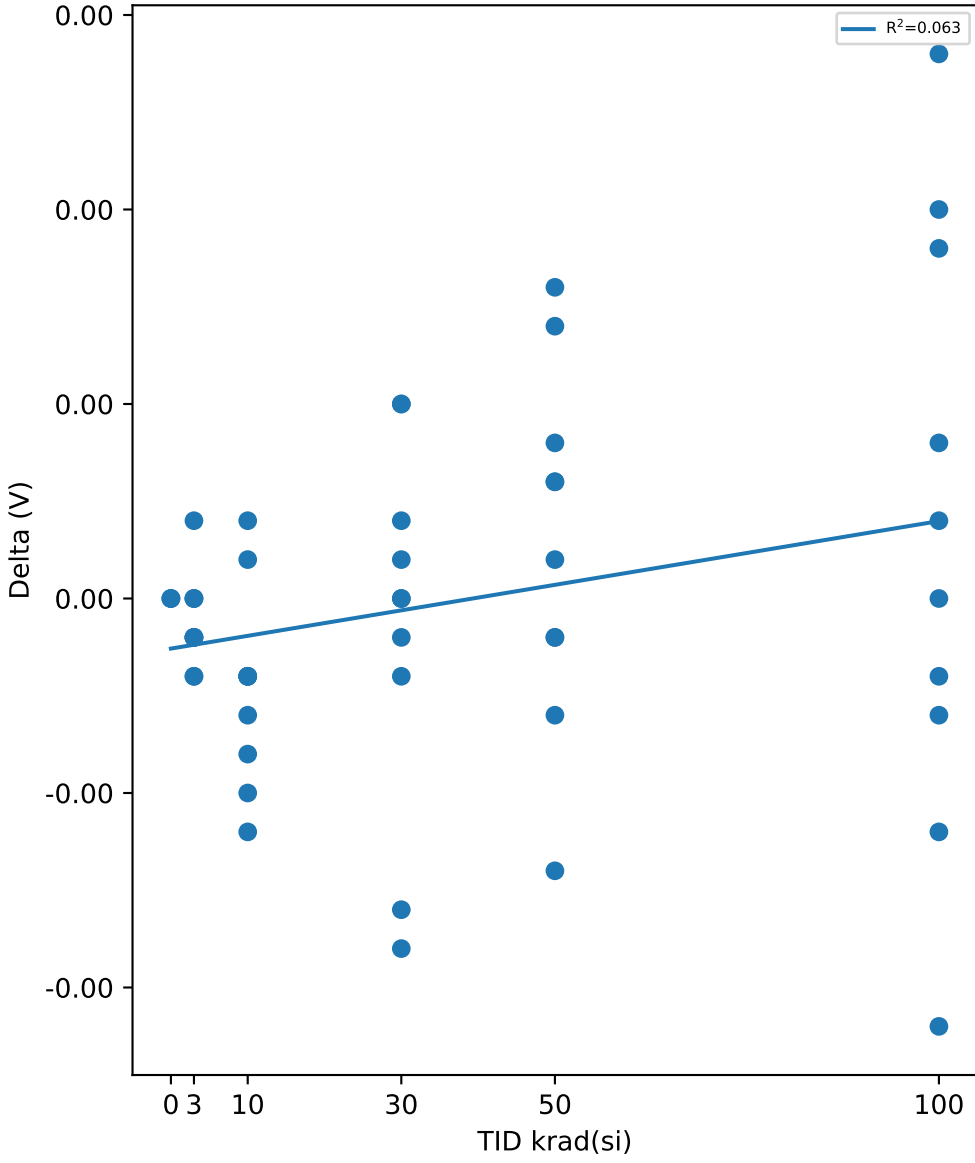
TID vs Result Stats



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

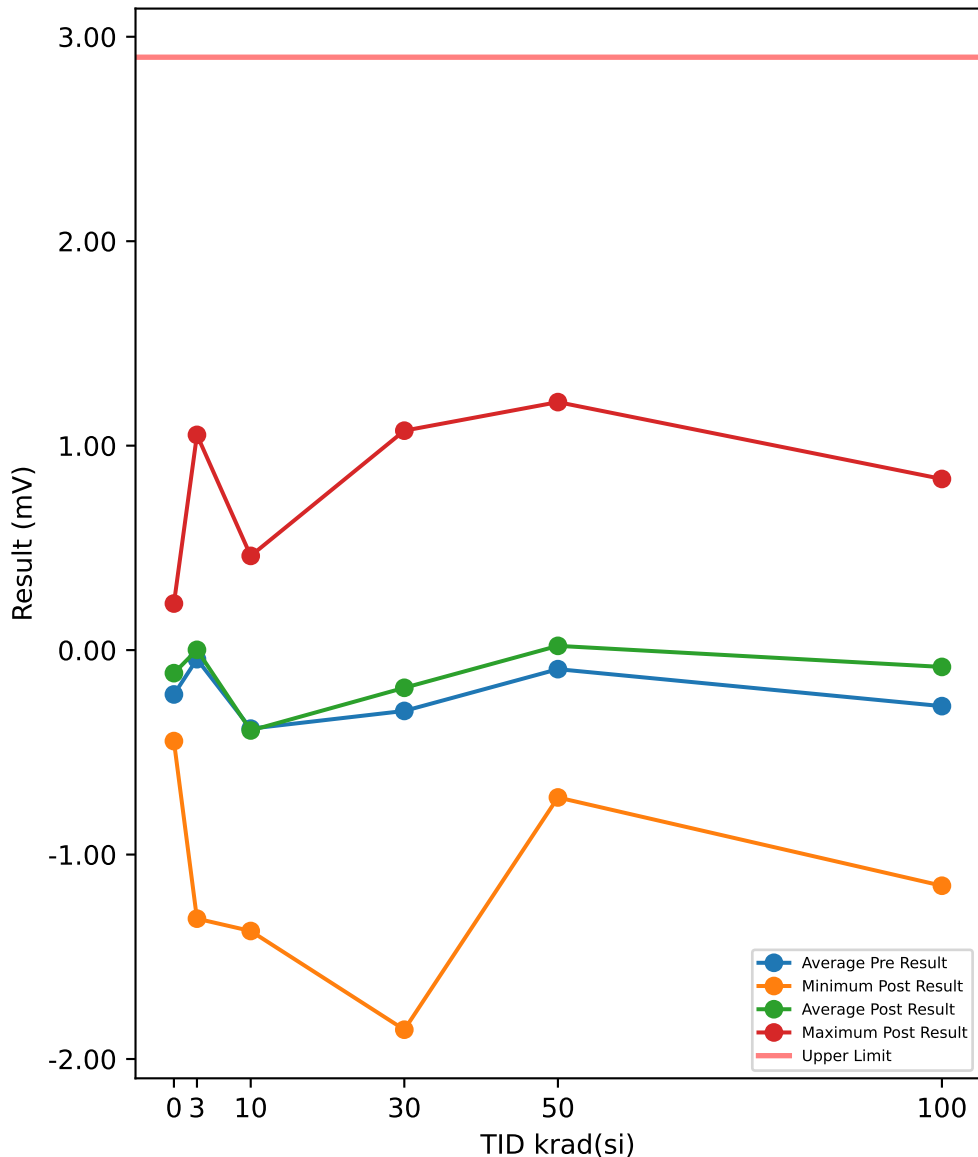
TID vs Post - Pre Exposure Delta



Test Statistics (V)

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	0.5996	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

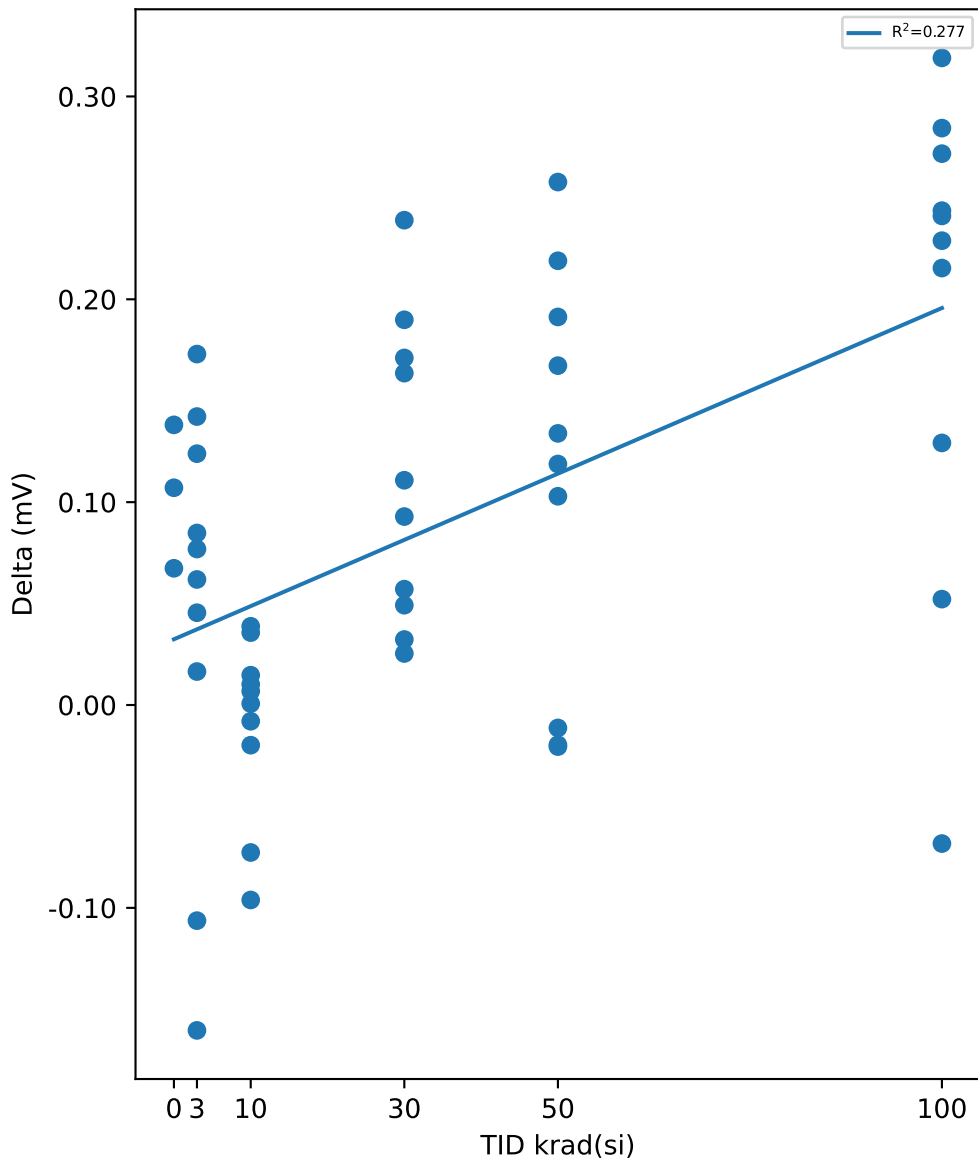
TID vs Result Stats



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

TID vs Post - Pre Exposure Delta

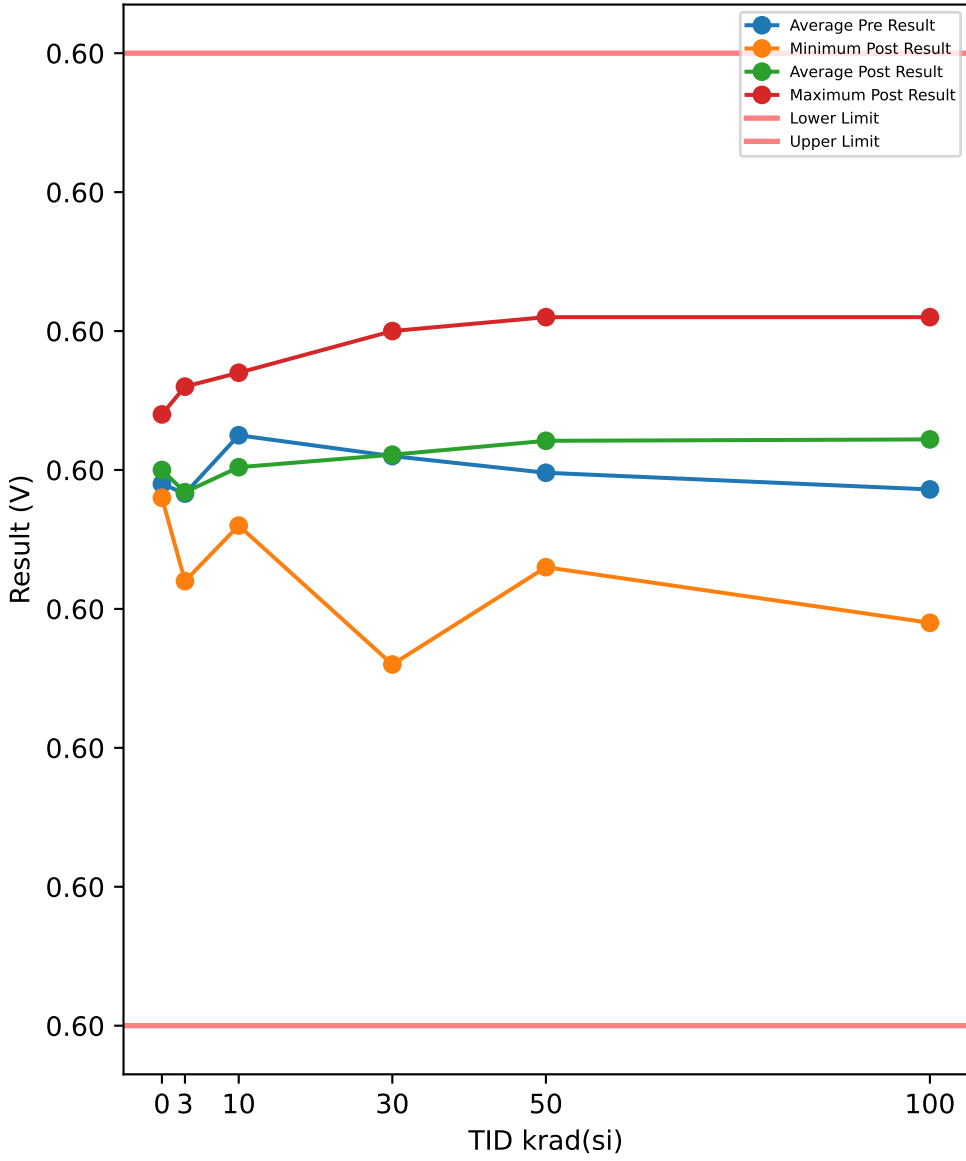


Test Statistics (mV)

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	-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)

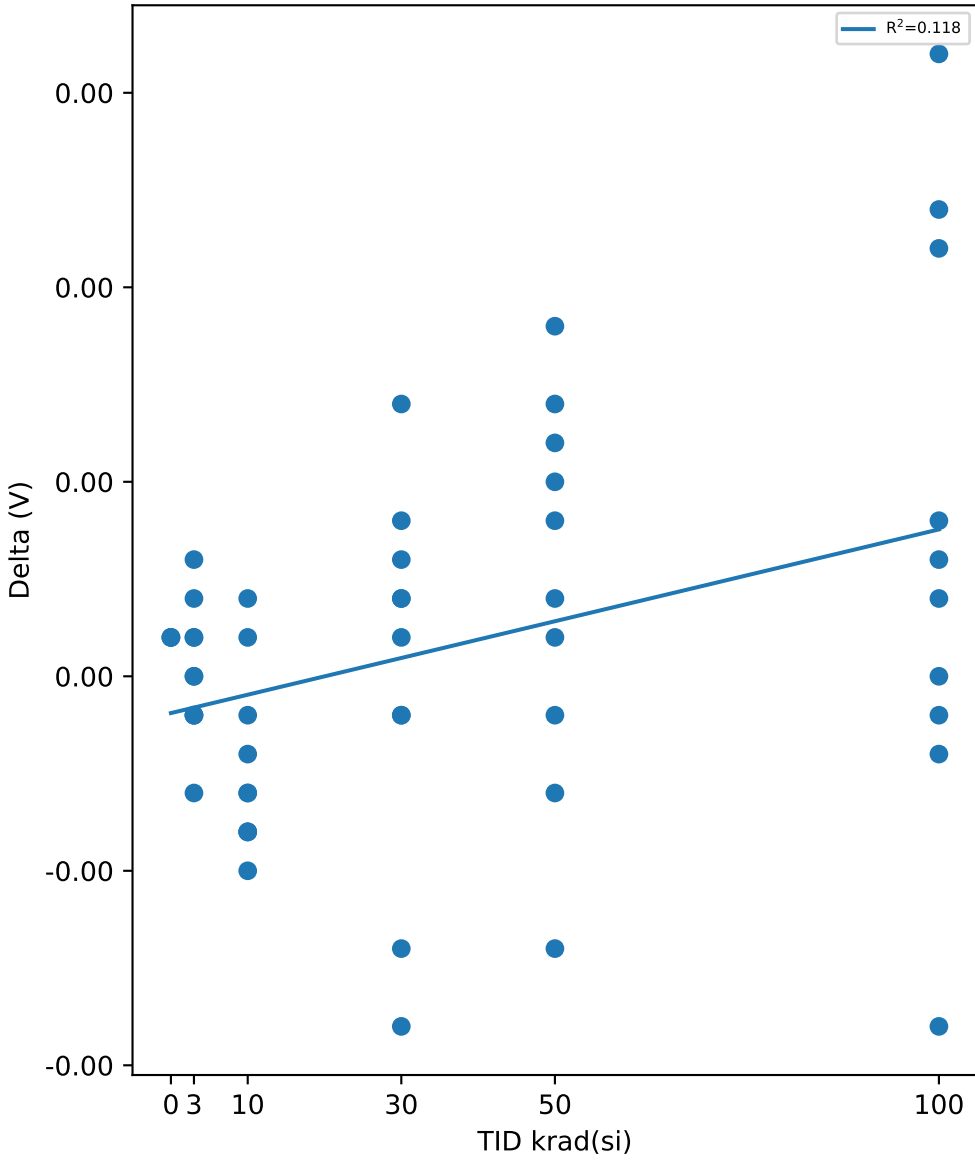
TID vs Result Stats



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

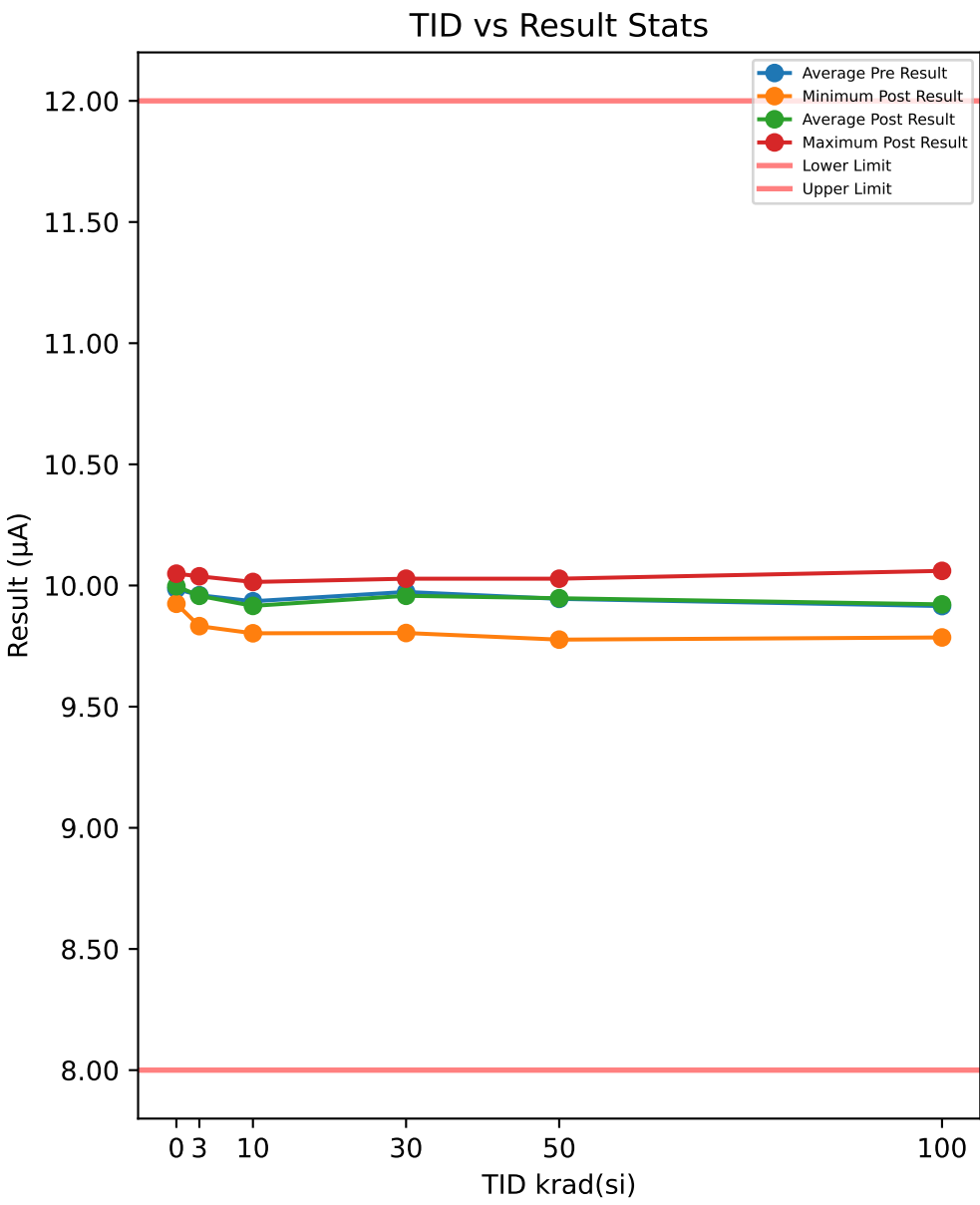
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
390	100	Biased	0.6005	0.6009	0.0004
392	100	Biased	0.5999	0.6011	0.0012
393	100	Biased	0.5993	0.5992	-0.0001
394	100	Biased	0.5999	0.601	0.0011
395	100	Biased	0.6	0.5998	-0.0002
412	100	Unbiased	0.6006	0.6006	0
413	100	Unbiased	0.5998	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

TID vs Post - Pre Exposure Delta



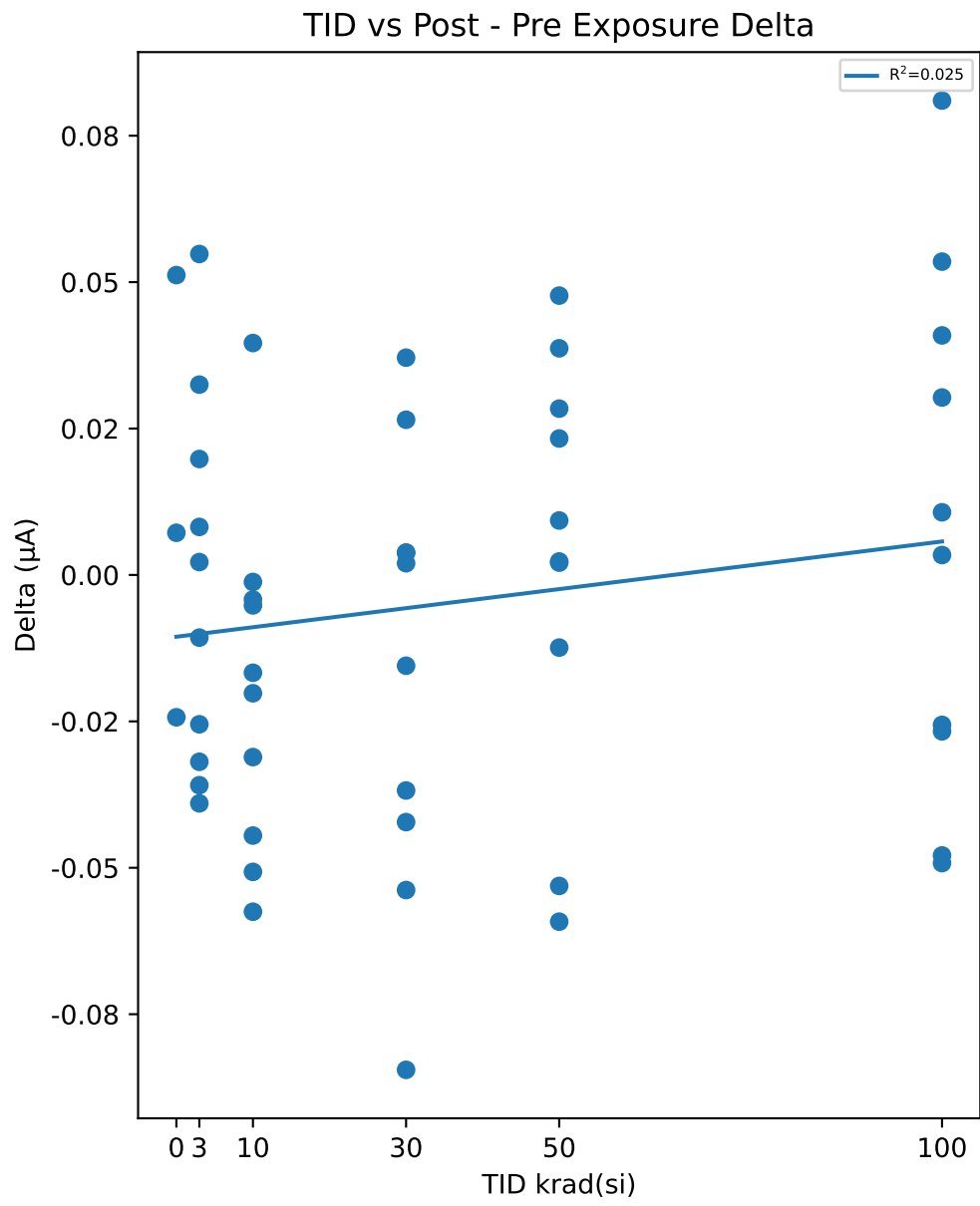
Test Statistics (V)

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	0.5997	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



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

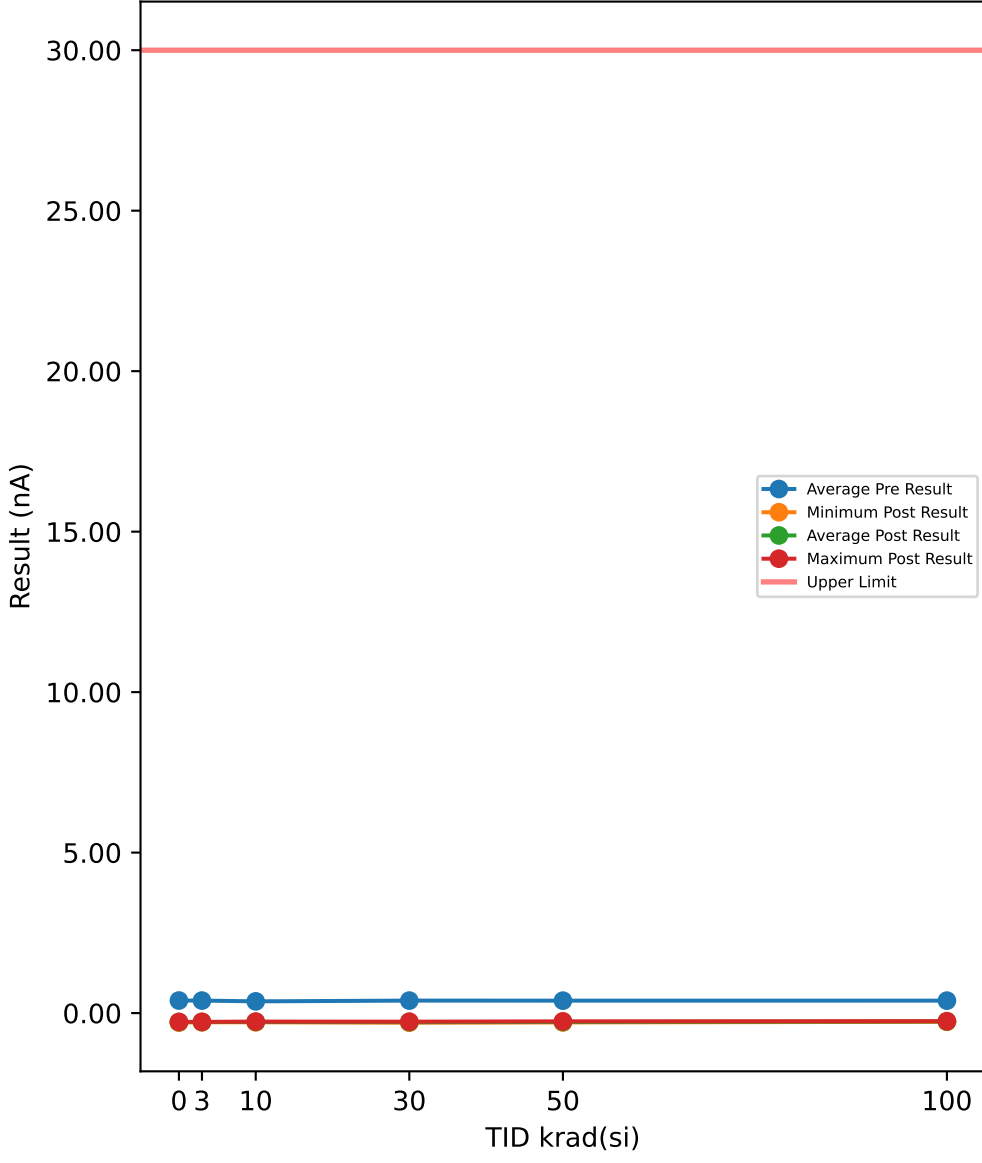
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
390	100	Biased	9.9708	9.9742	0.0034
392	100	Biased	10.051	10.003	-0.0479
393	100	Biased	9.9166	9.9469	0.0303
394	100	Biased	10.006	10.059	0.0535
395	100	Biased	9.9158	9.9265	0.0107
412	100	Unbiased	9.878	9.8288	-0.0492
413	100	Unbiased	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

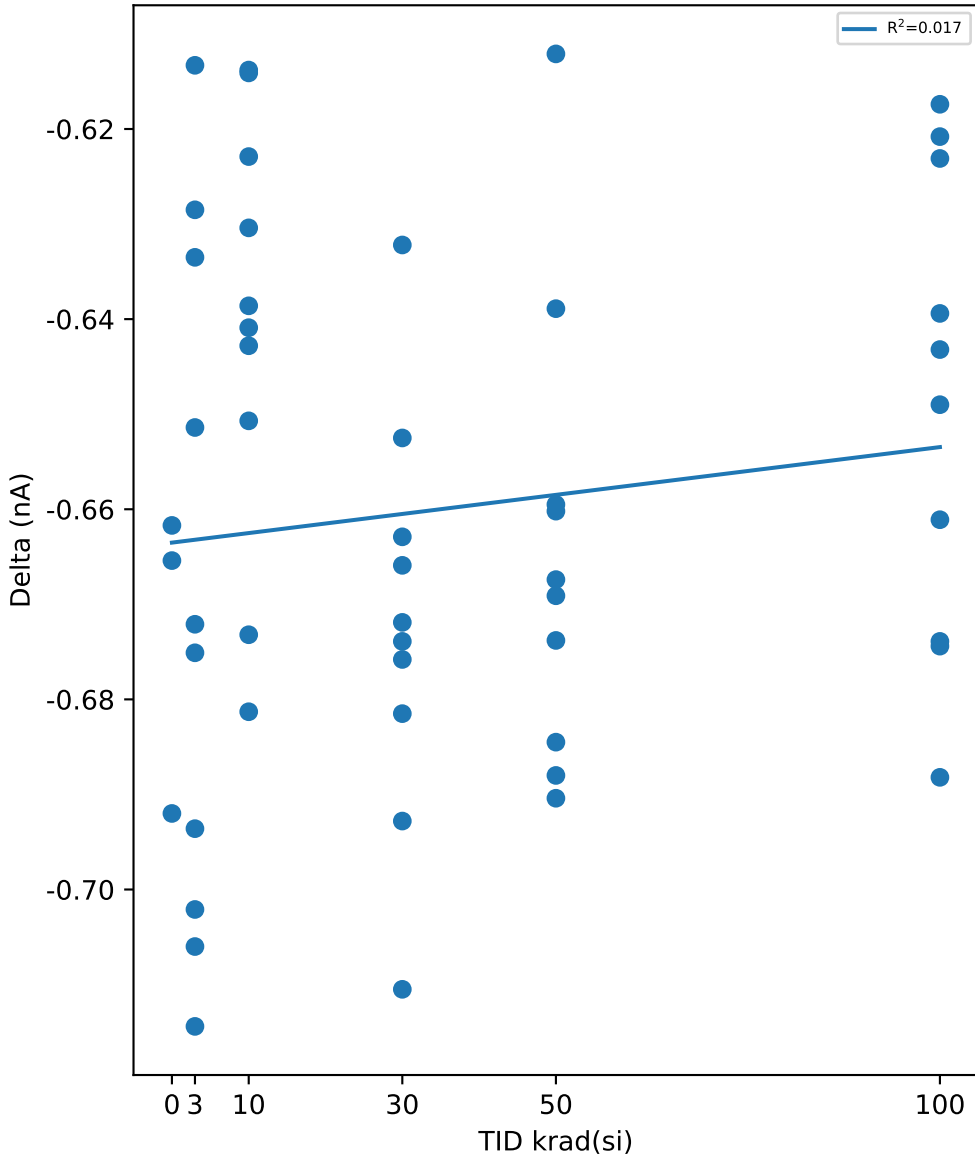
TID vs Result Stats



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

TID vs Post - Pre Exposure Delta

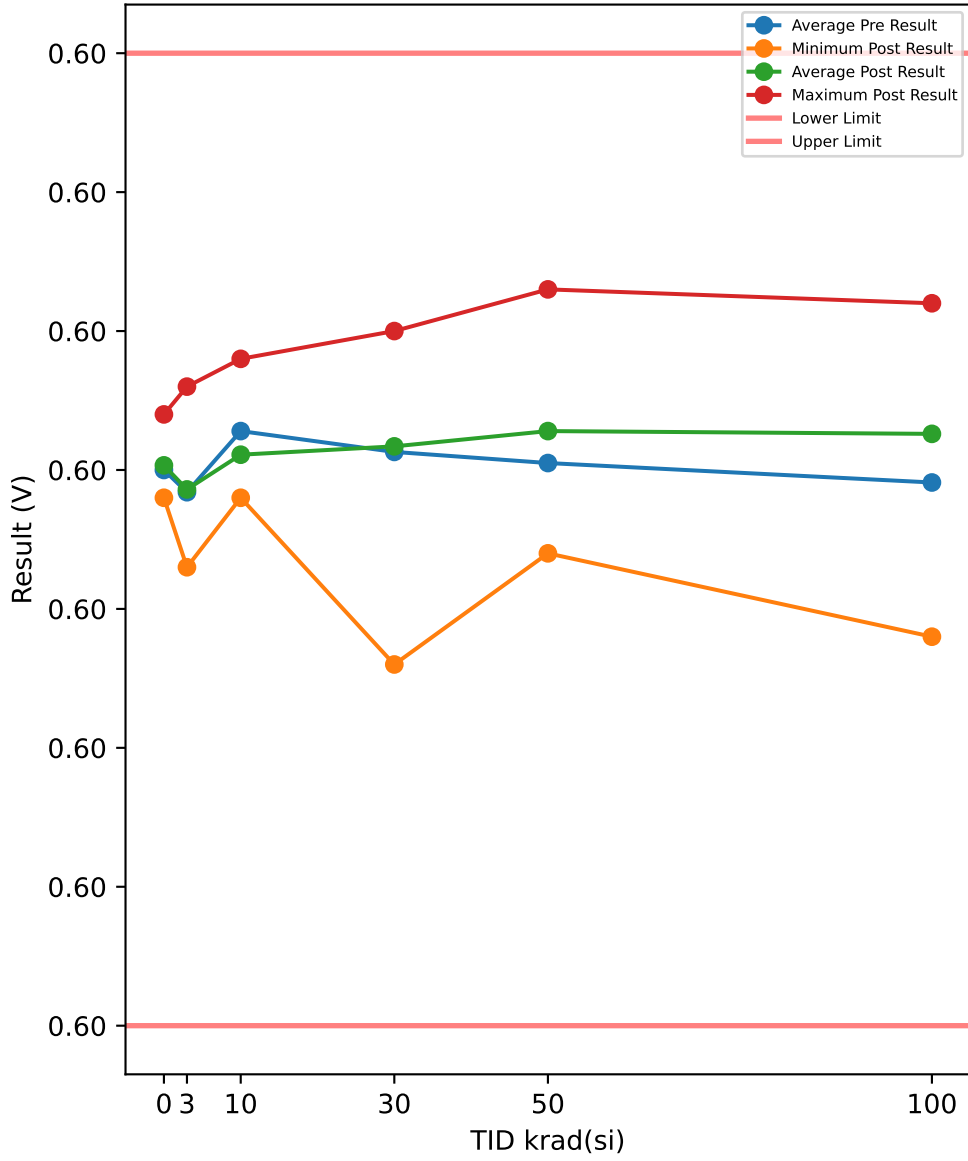


Test Statistics (nA)

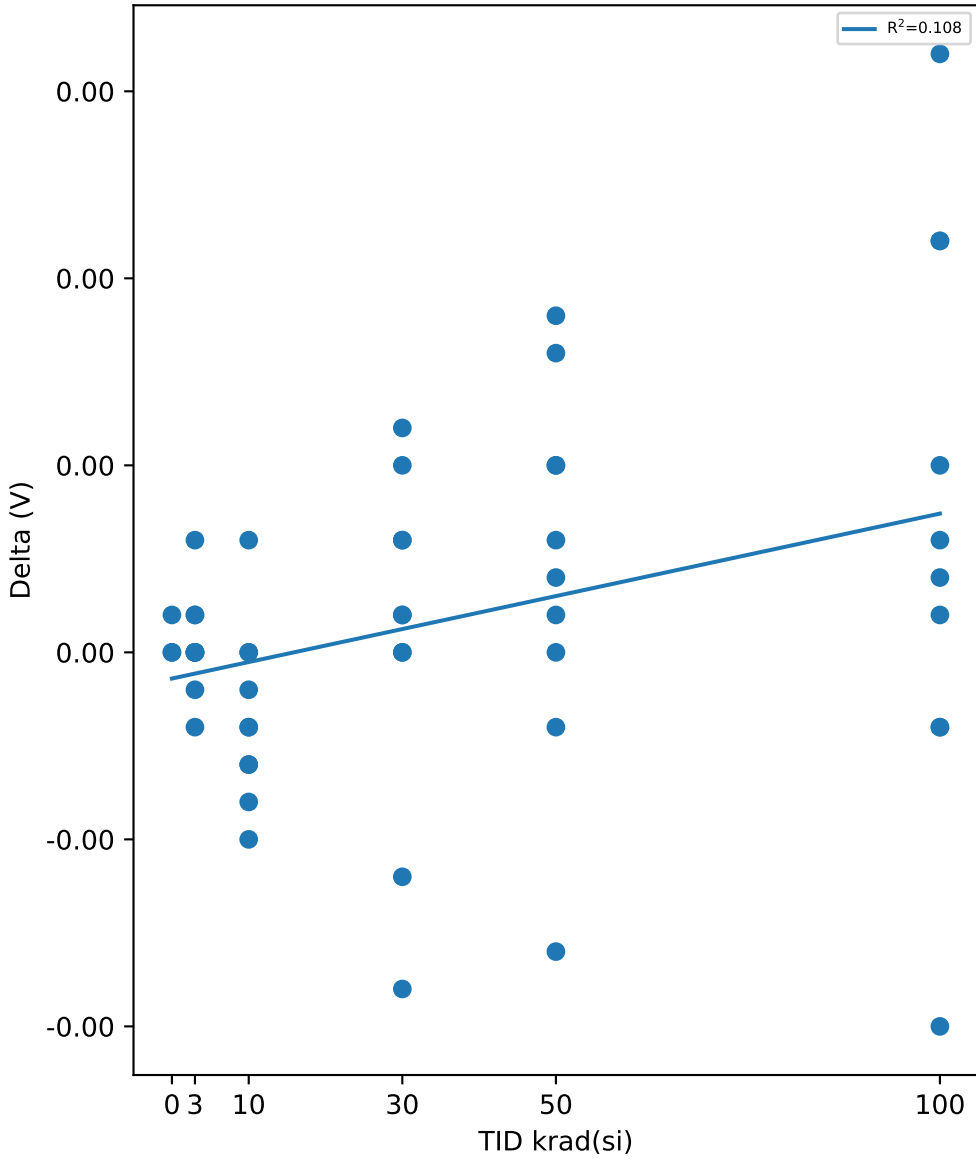
krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	0.3872	0.39123	0.3968	0.0049803	-0.2952	-0.2818	-0.2745	0.01162	-0.692	-0.67303	-0.6617	0.016529
3	0.3352	0.38985	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)

TID vs Result Stats



TID vs Post - Pre Exposure Delta



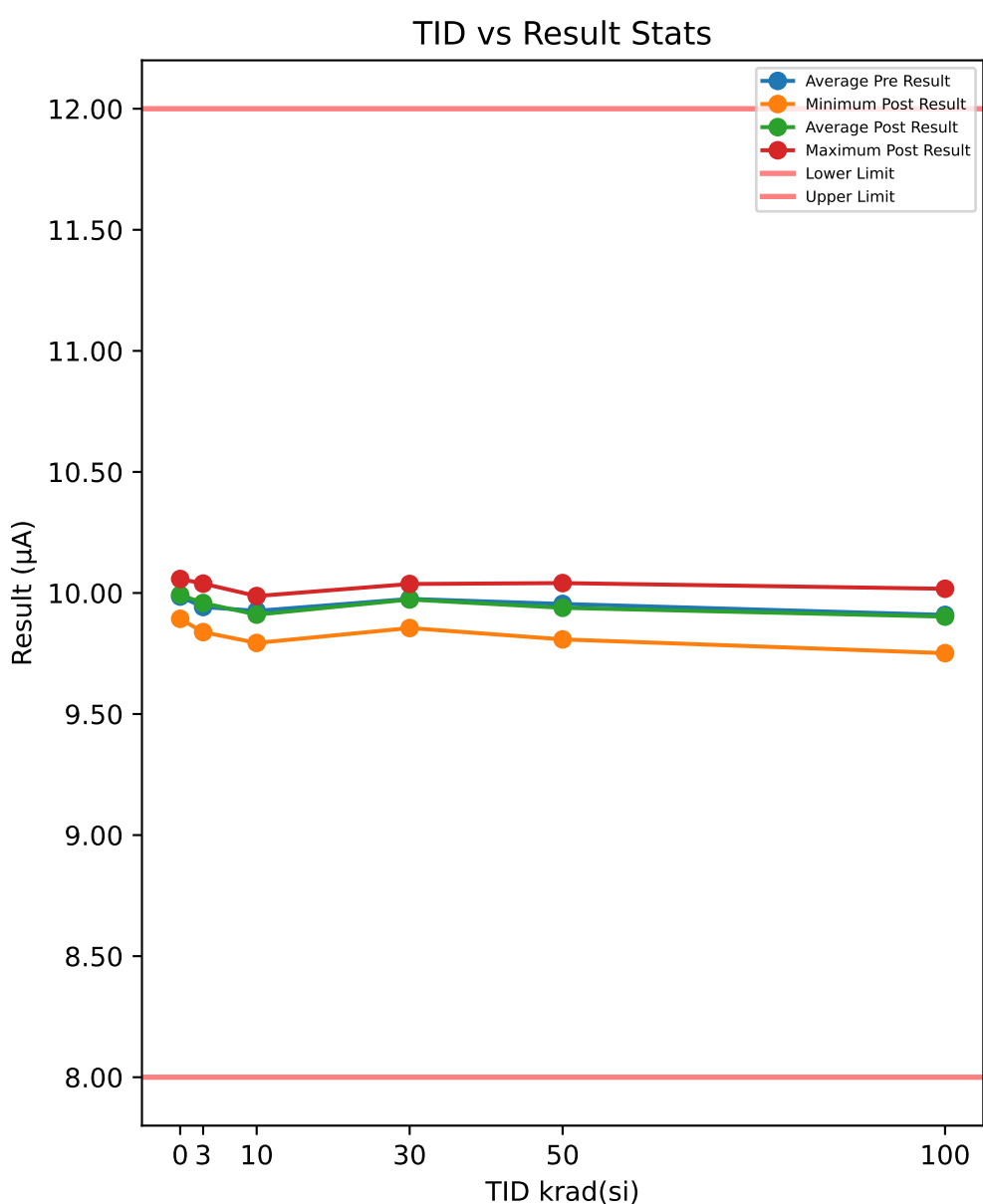
Test Results (Lower Limit = 0.596, Upper Limit = 0.603 (V))

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)

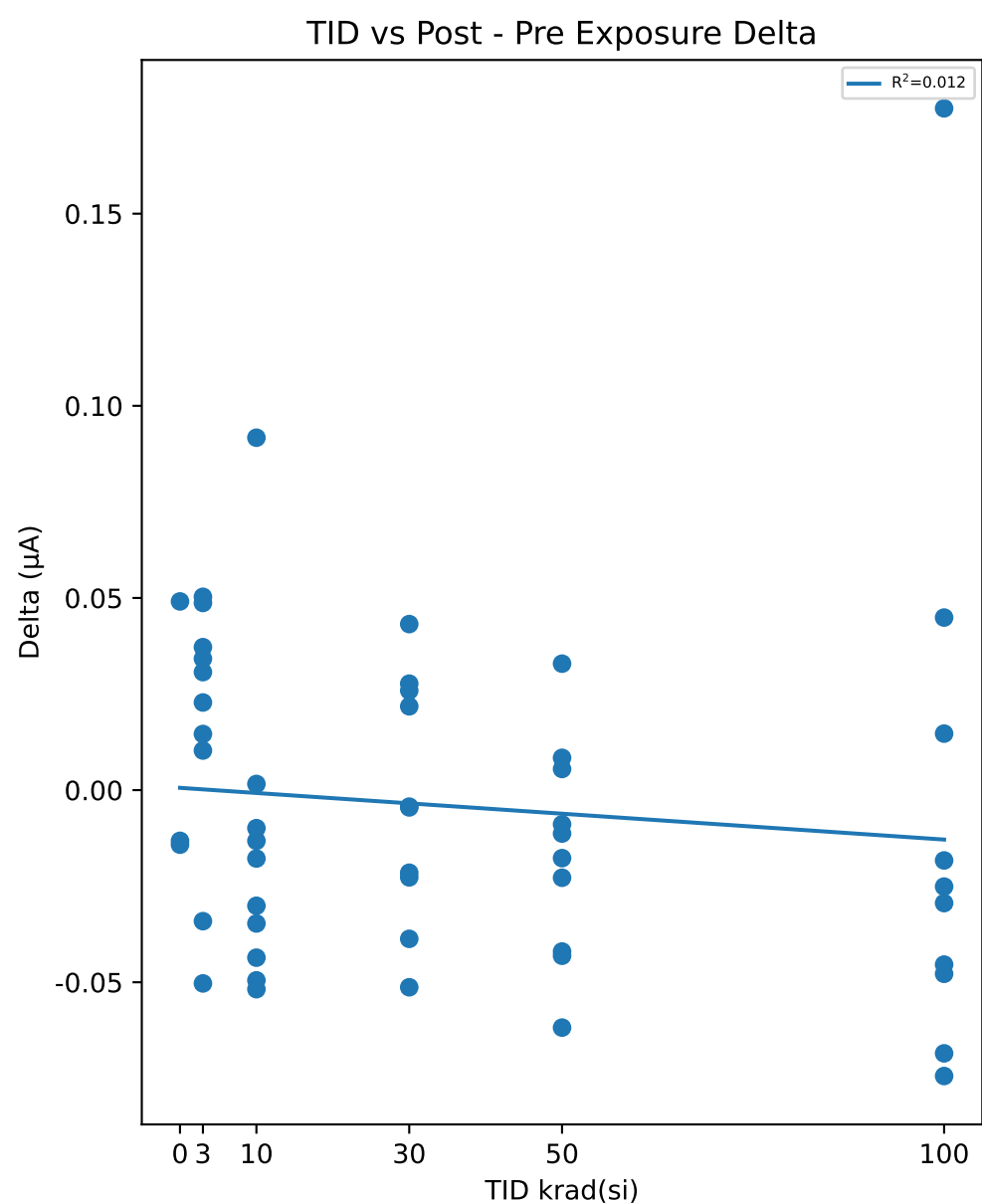
krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	0.5998	0.6	0.6004	0.00034641	0.5998	0.60003	0.6004	0.00032146	0	3.3333e-05	0.0001	5.7735e-05
3	0.5993	0.59984	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))

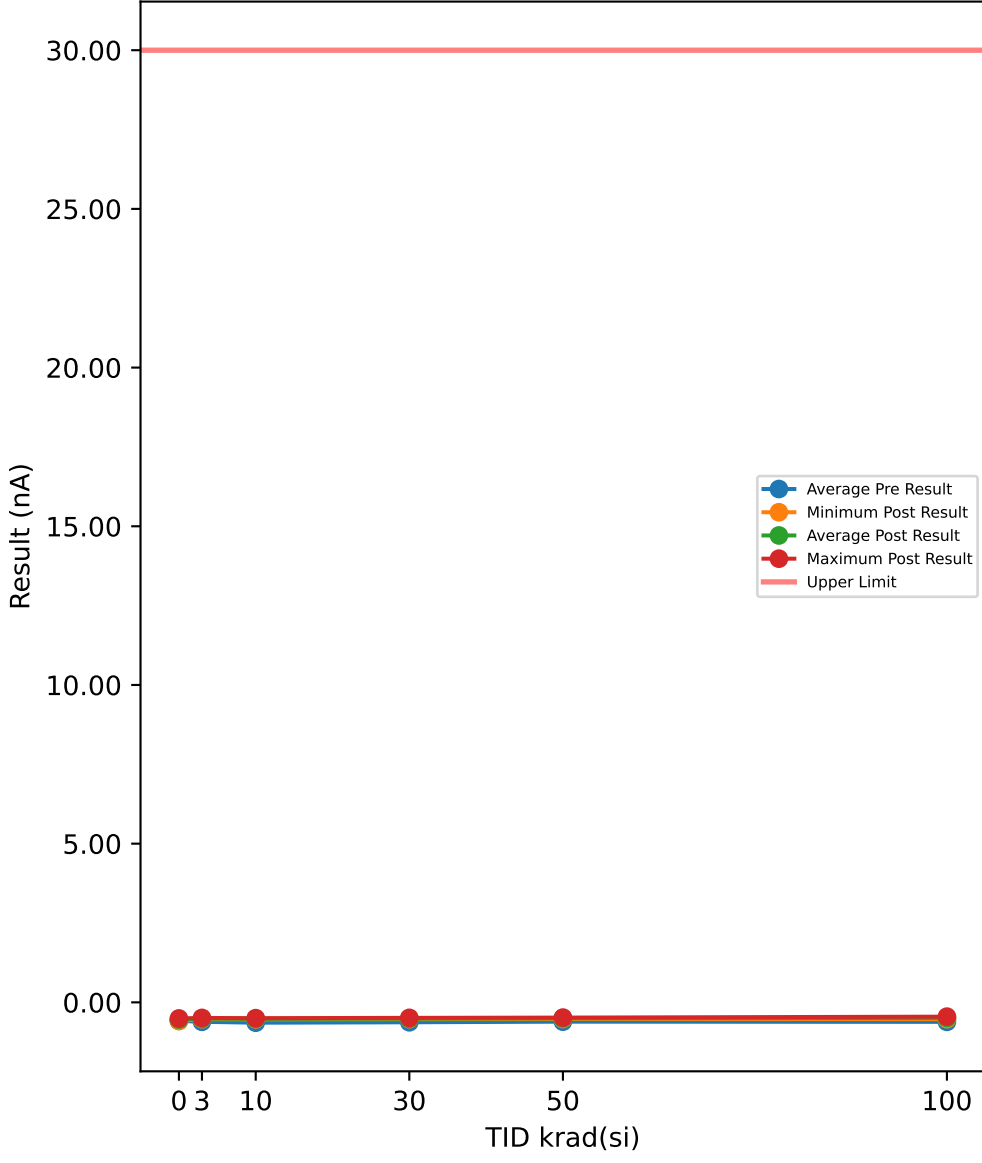
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
390	100	Biased	10.011	9.963	-0.0478
392	100	Biased	9.8218	9.9992	0.1774
393	100	Biased	9.9494	9.8809	-0.0685
394	100	Biased	10.043	10.017	-0.0251
395	100	Biased	9.9366	9.9513	0.0147
412	100	Unbiased	9.8692	9.8509	-0.0183
413	100	Unbiased	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

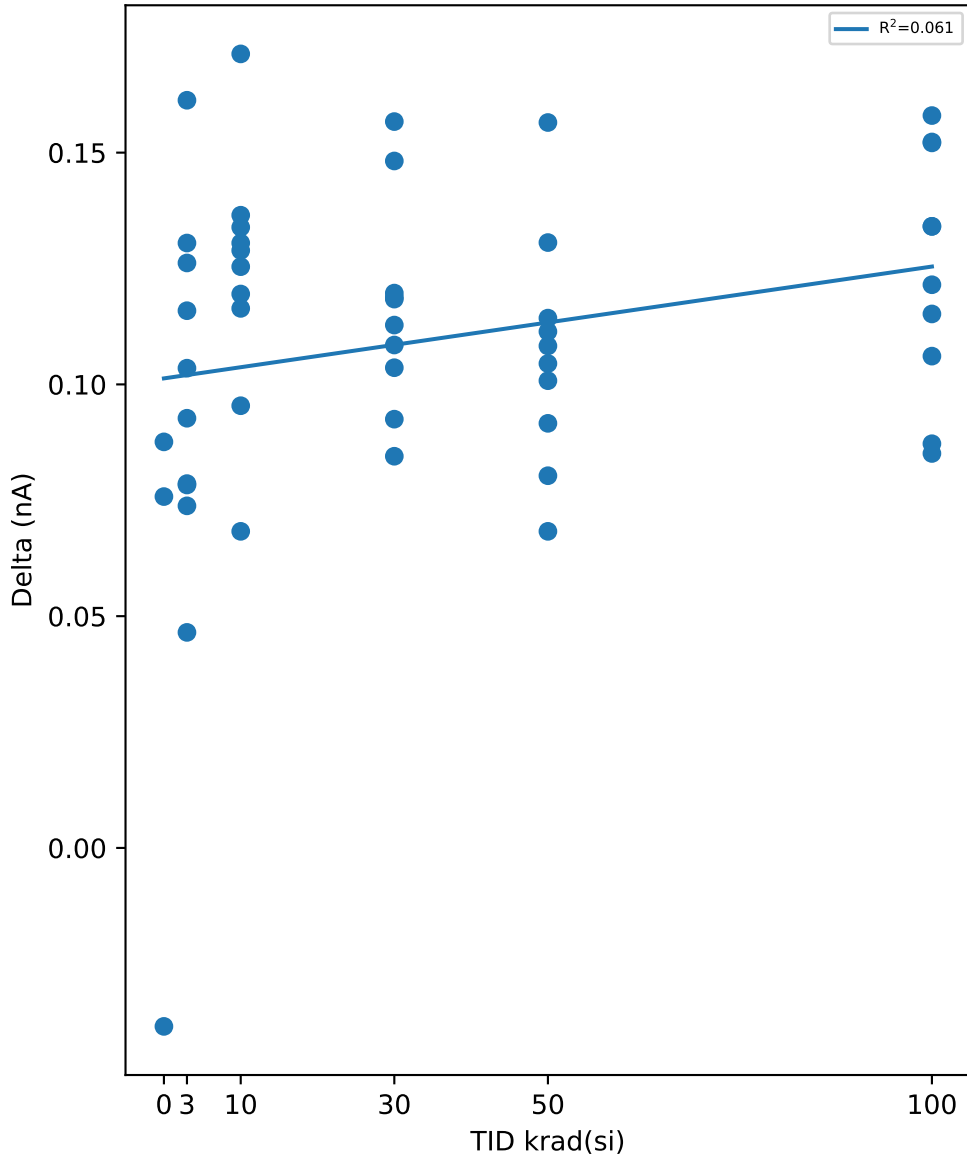
TID vs Result Stats



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

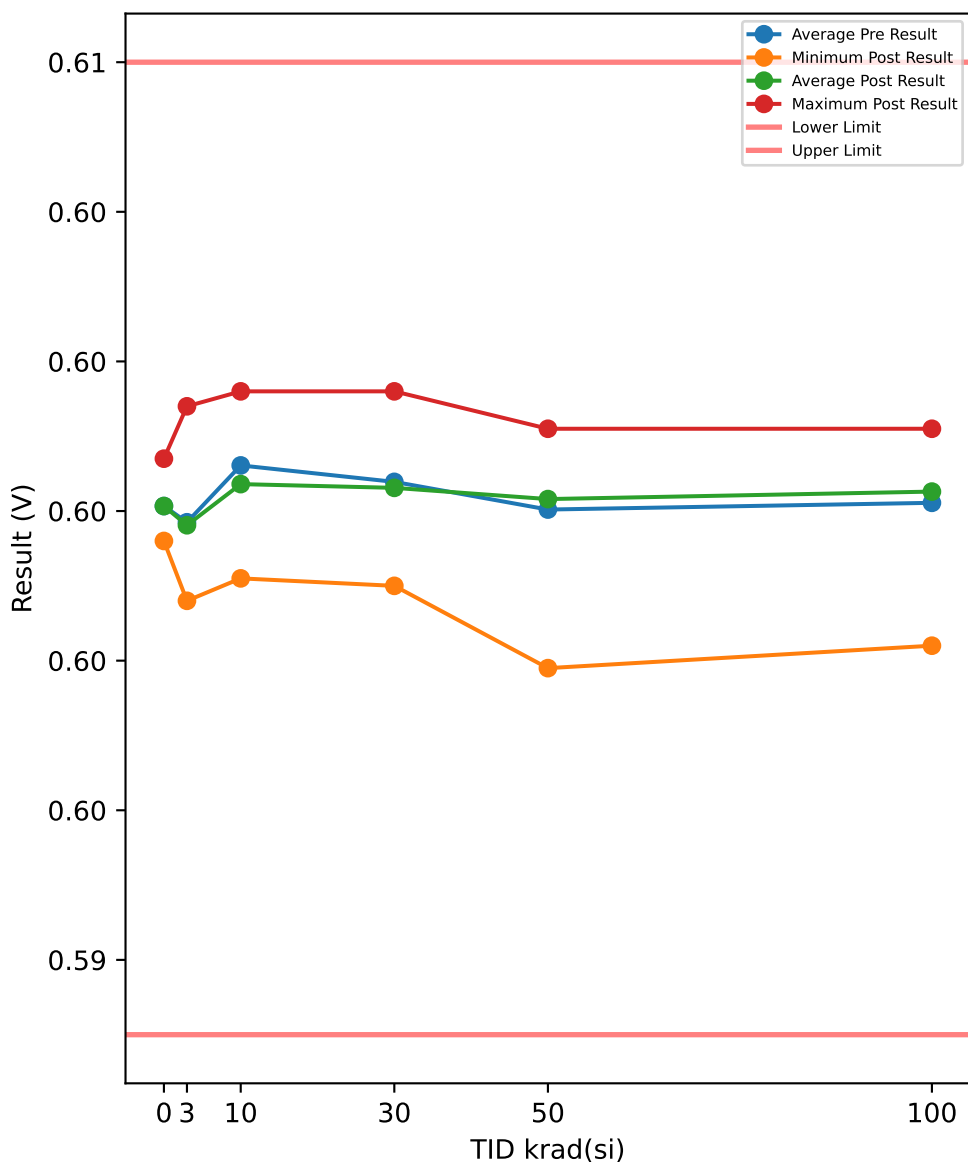
TID vs Post - Pre Exposure Delta



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

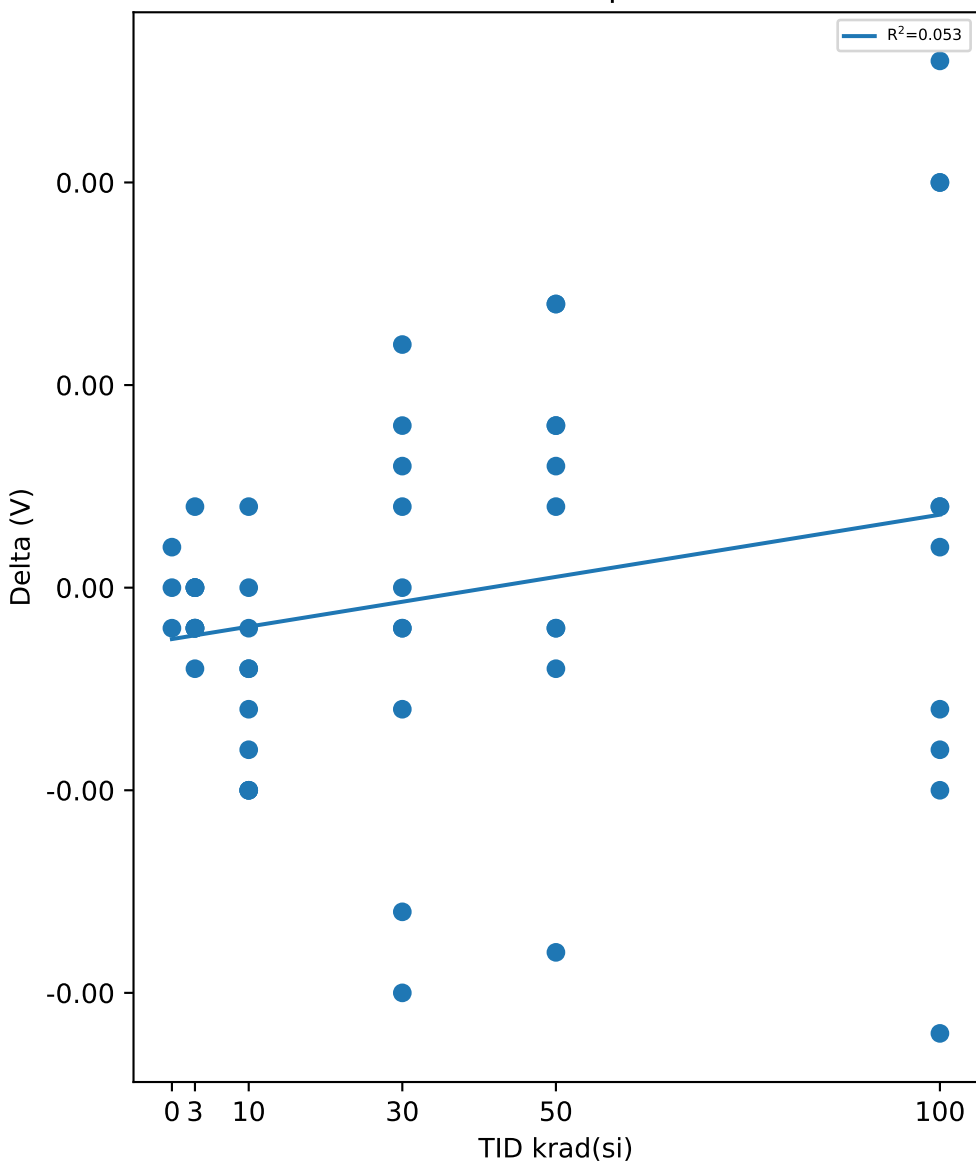
TID vs Result Stats



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

TID vs Post - Pre Exposure Delta

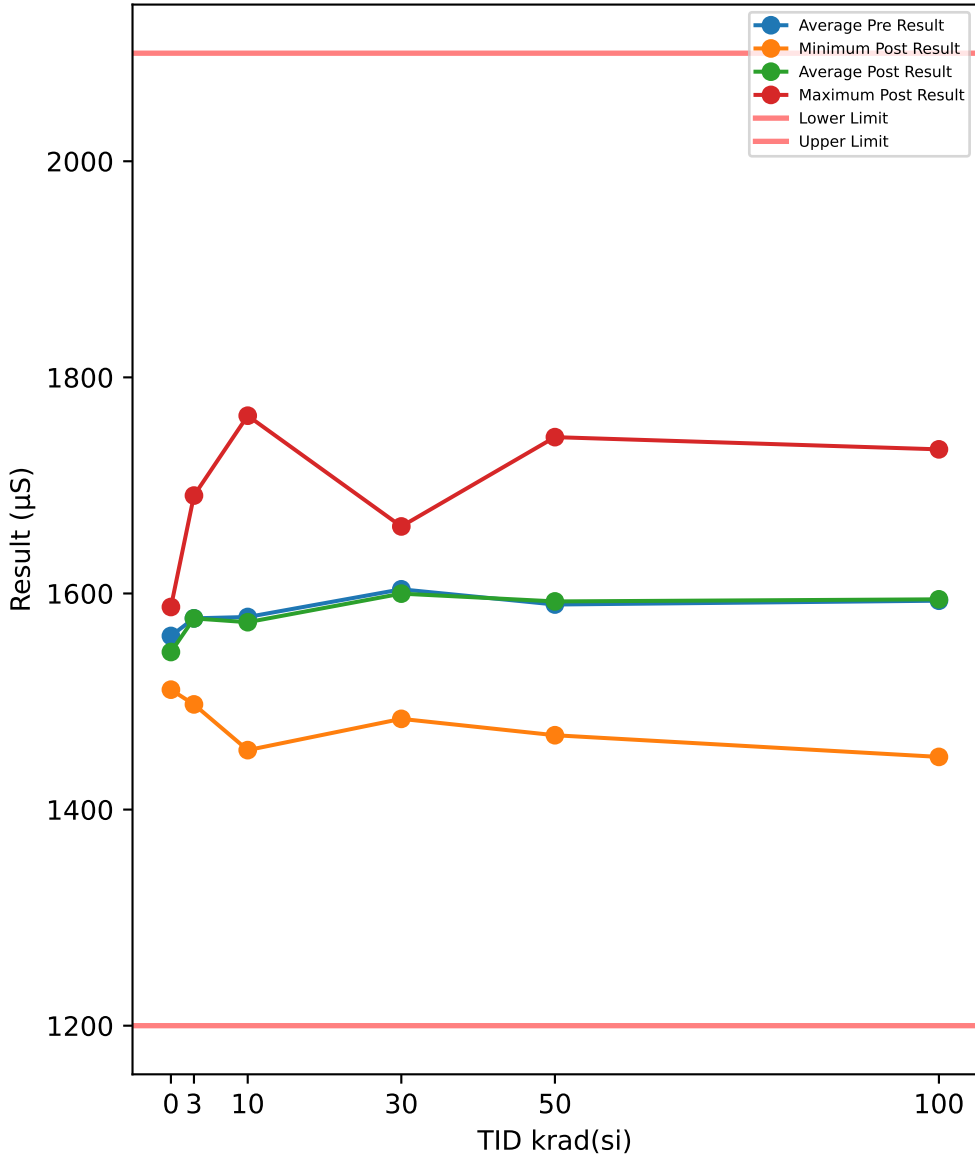


Test Statistics (V)

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	0.5995	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)

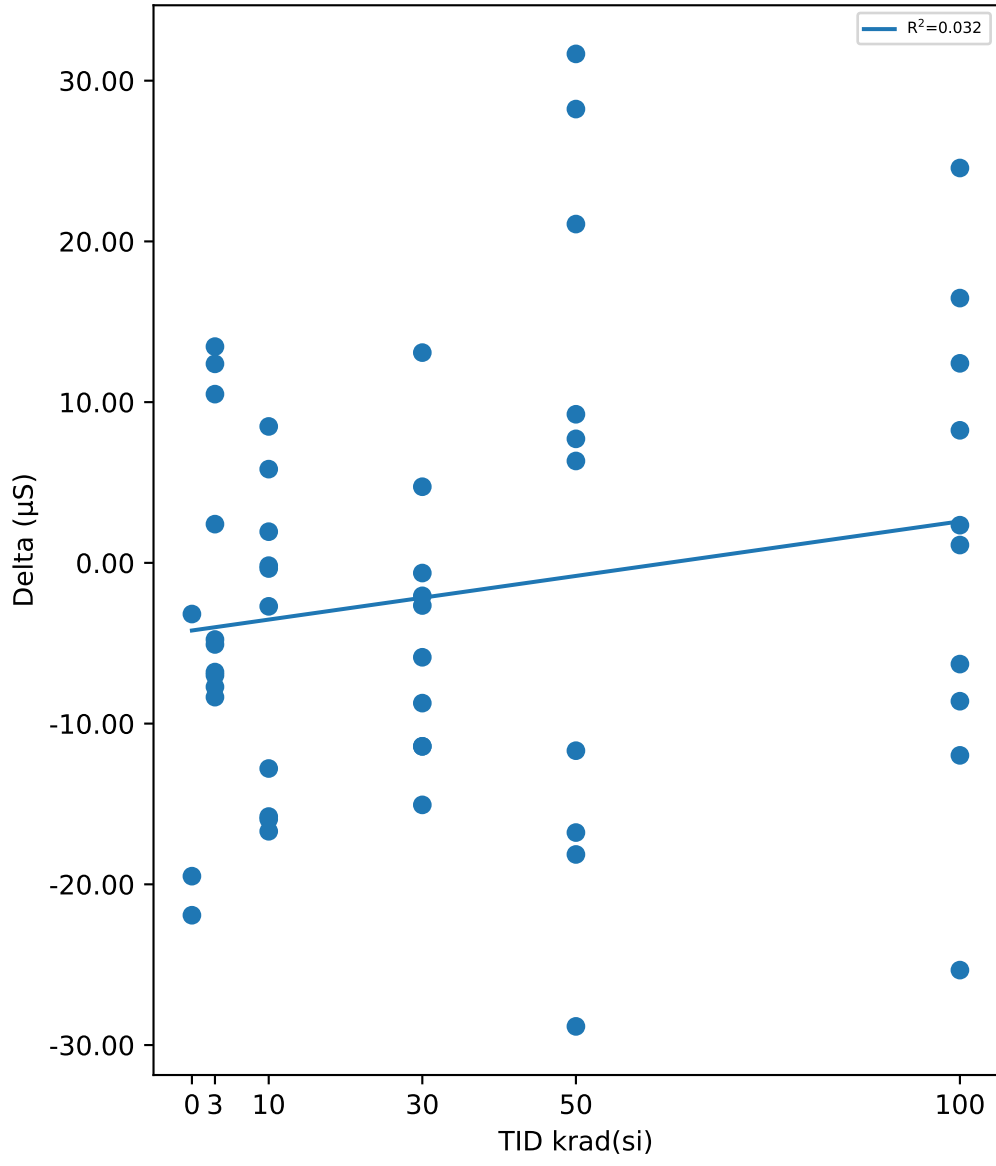
TID vs Result Stats



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

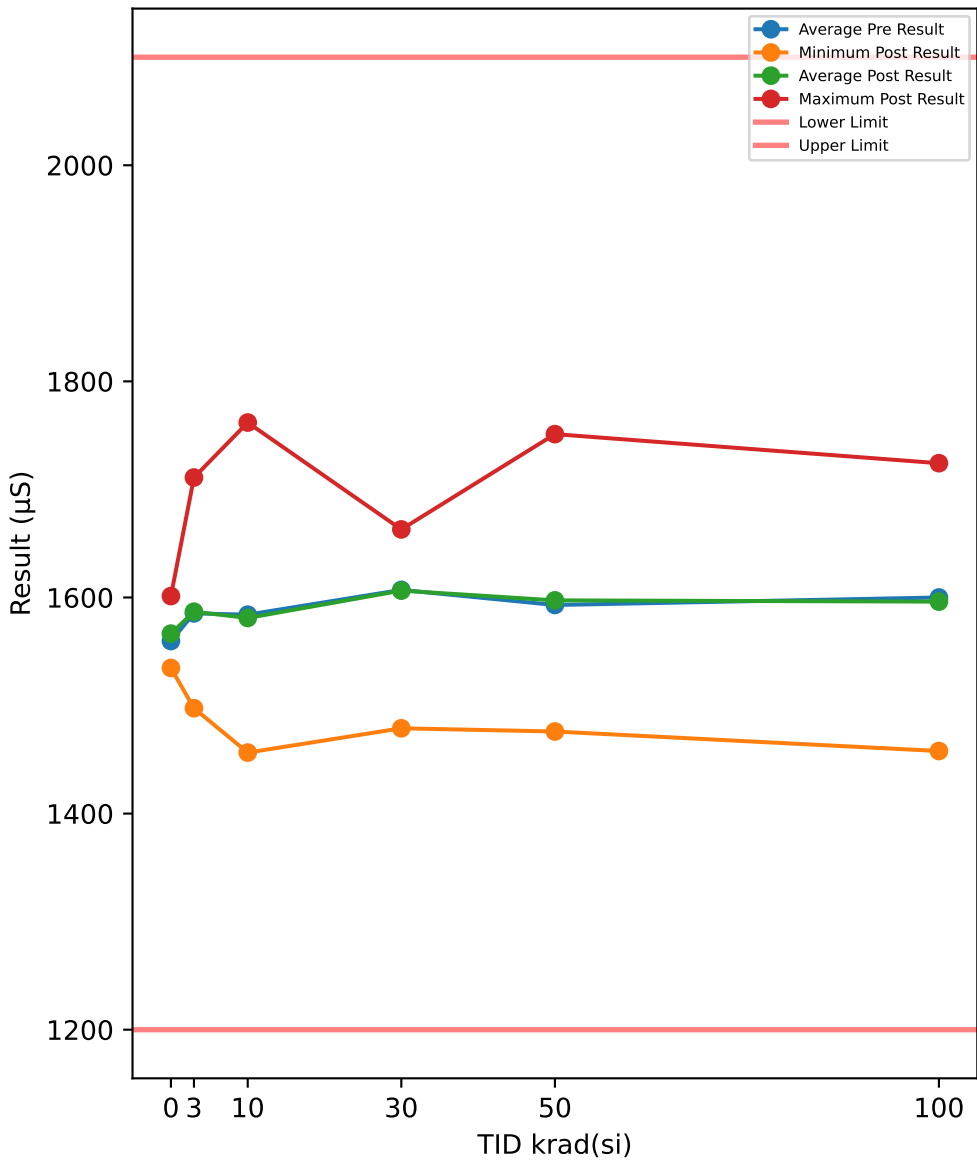
TID vs Post - Pre Exposure Delta



Test Statistics (µS)

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	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

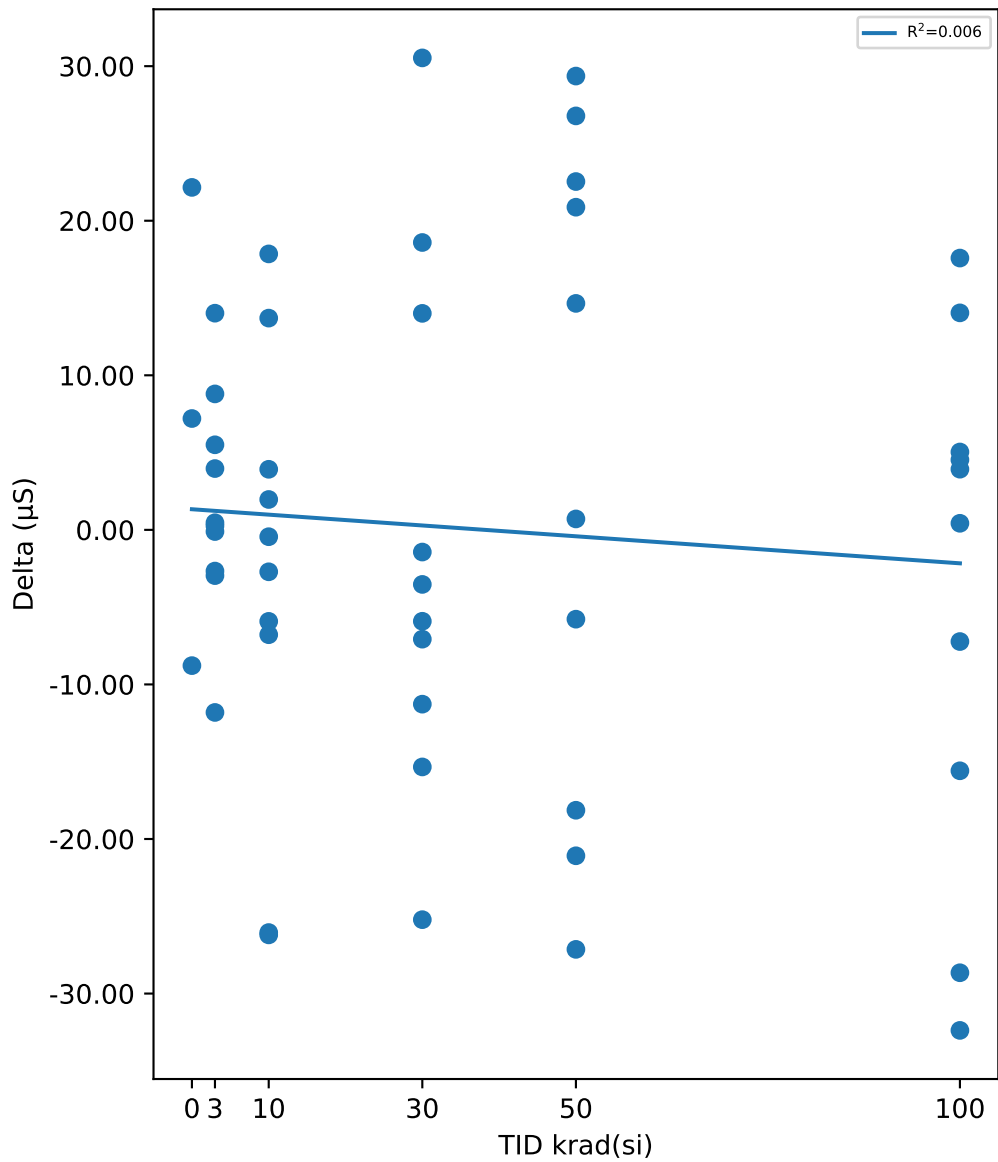
TID vs Result Stats



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

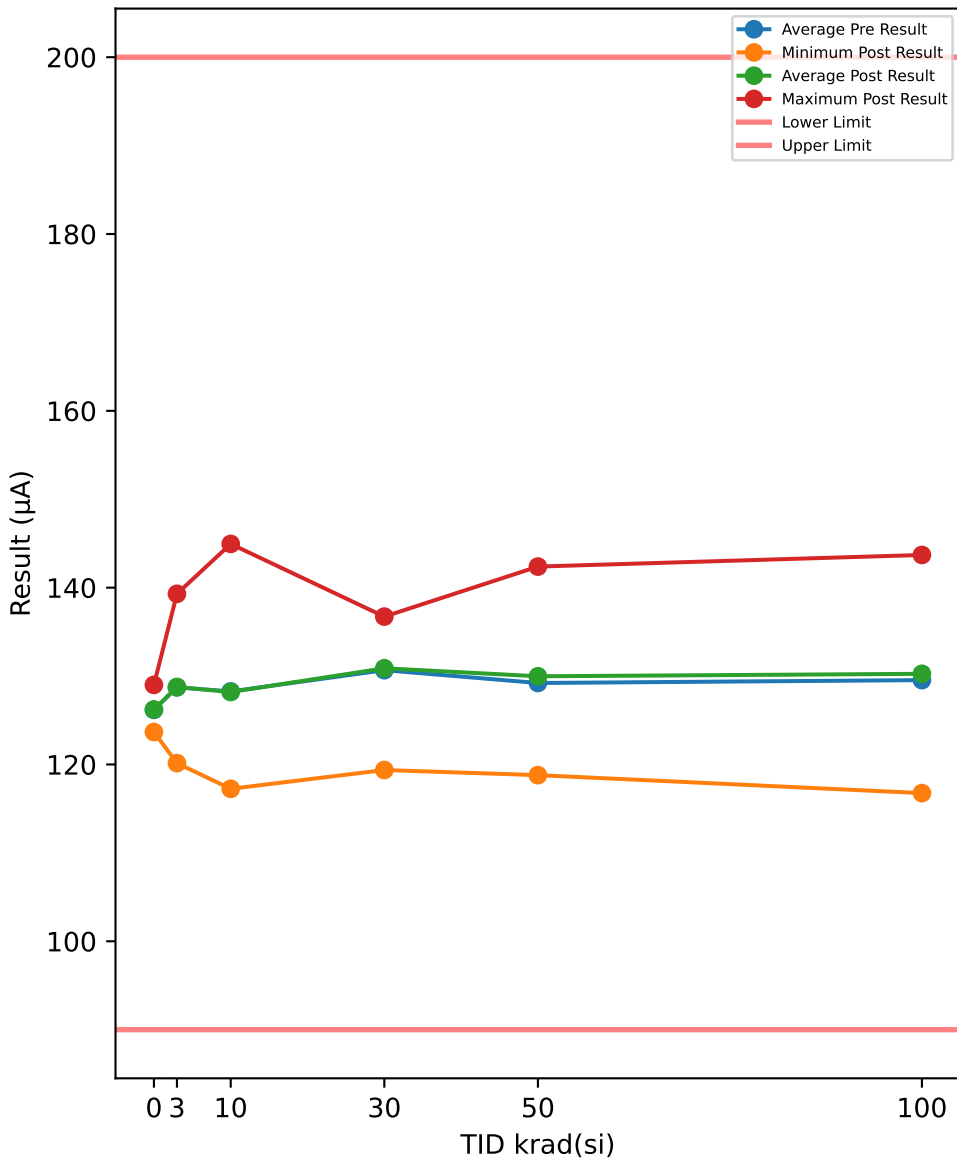
TID vs Post - Pre Exposure Delta



Test Statistics (µS)

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	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

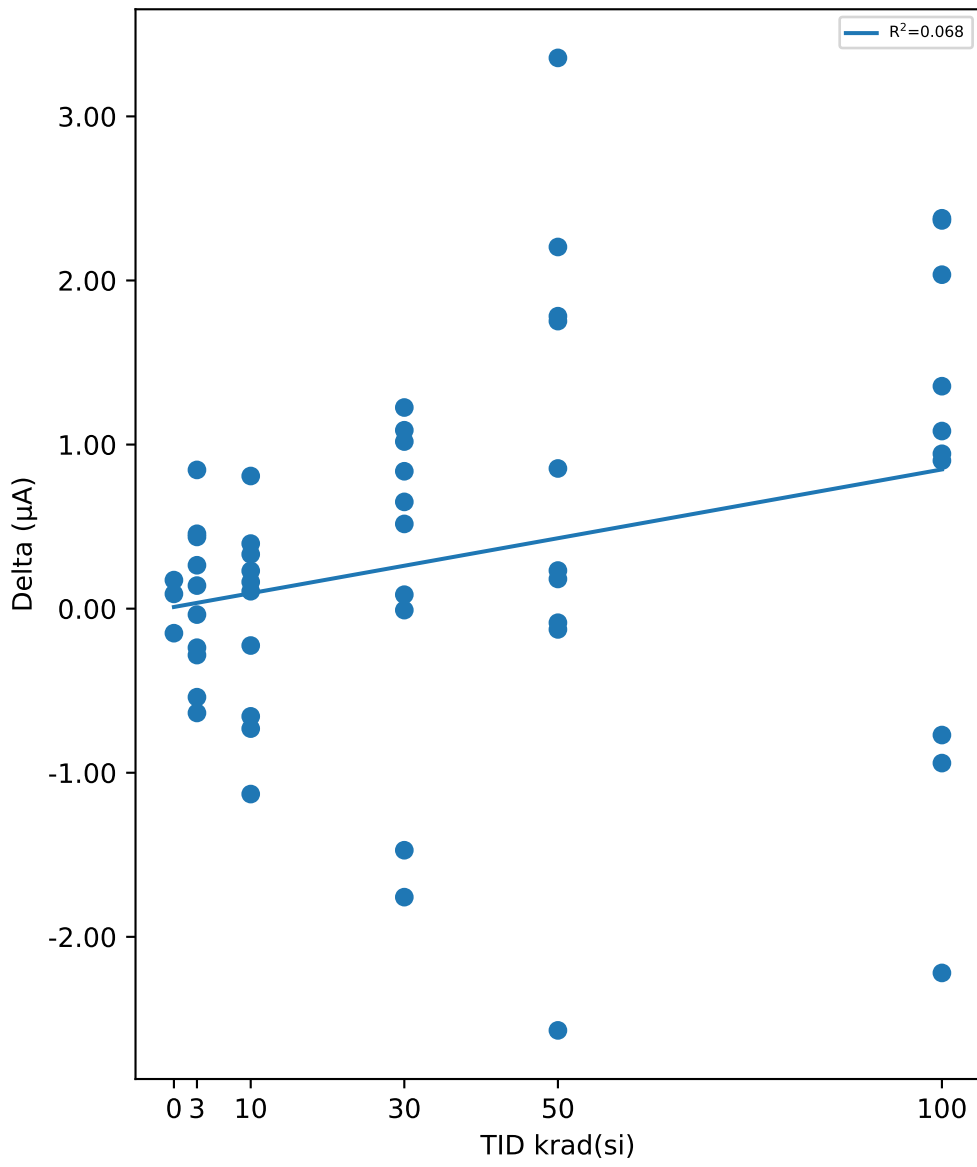
TID vs Result Stats



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

Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
390	100	Biased	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

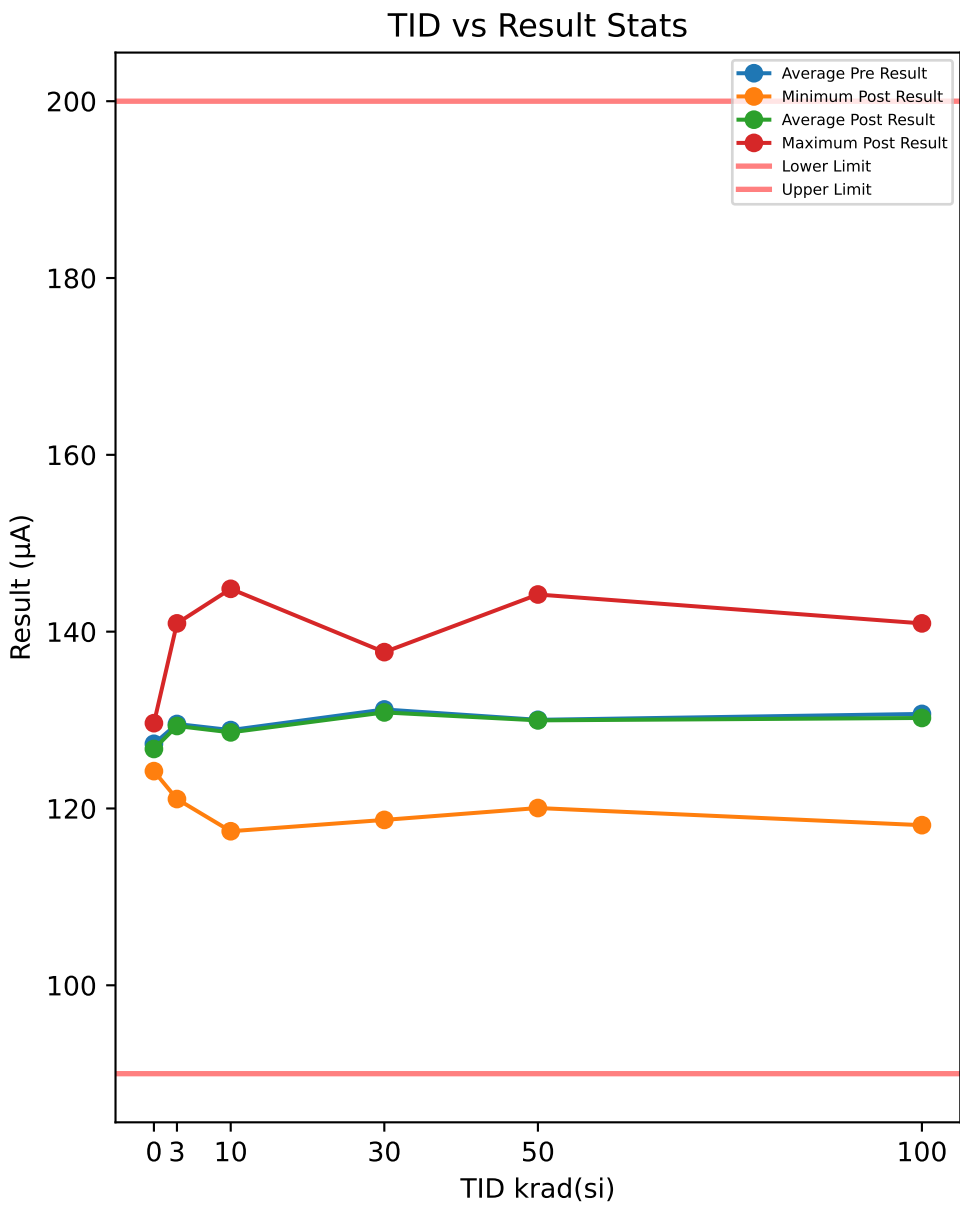
TID vs Post - Pre Exposure Delta



Test Statistics (µA)

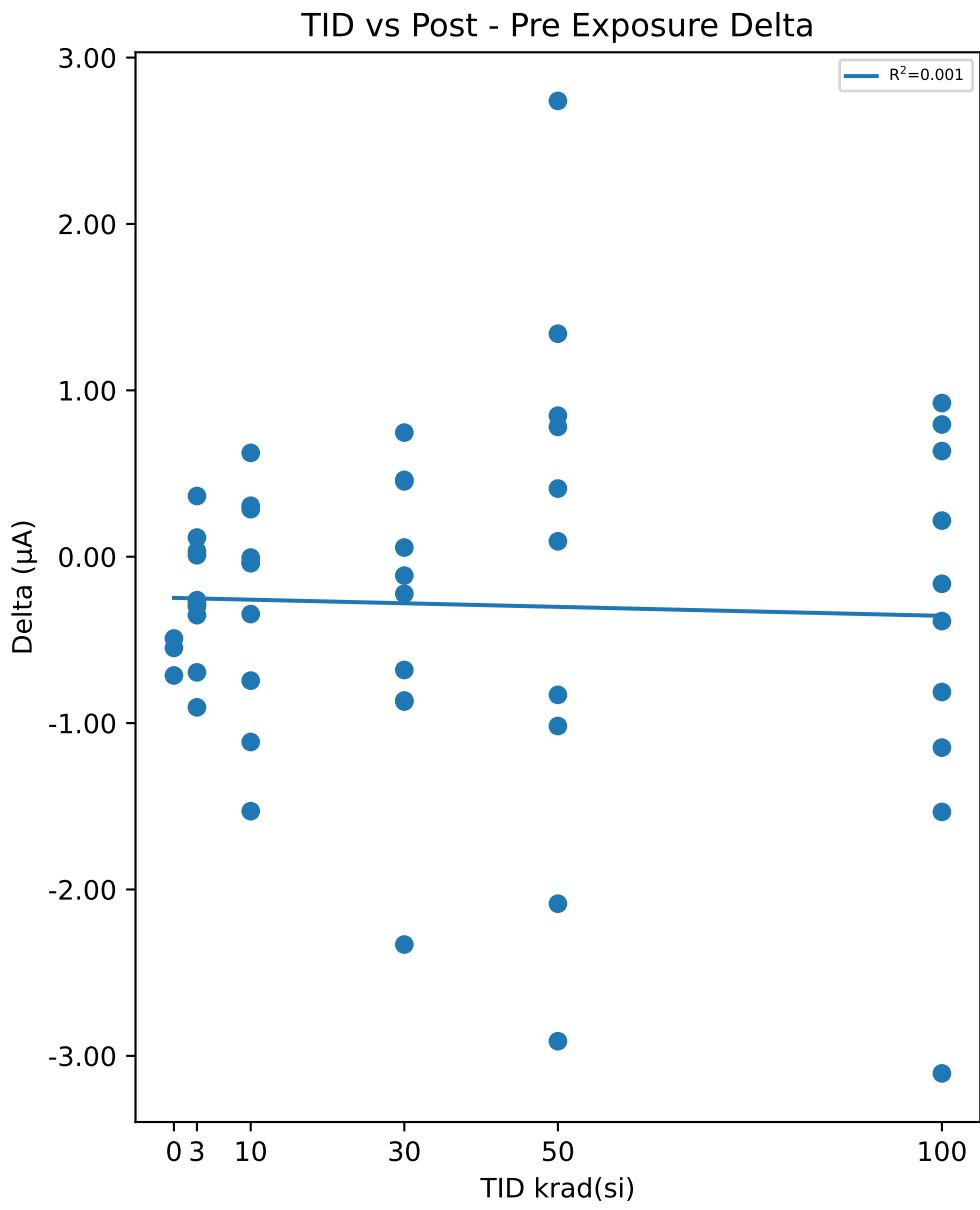
krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	123.5	126.18	128.91	2.7079	123.67	126.21	129	2.6739	-0.1495	0.038167	0.174	0.16786
3	120.39	128.72	139.04	7.3332	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)



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

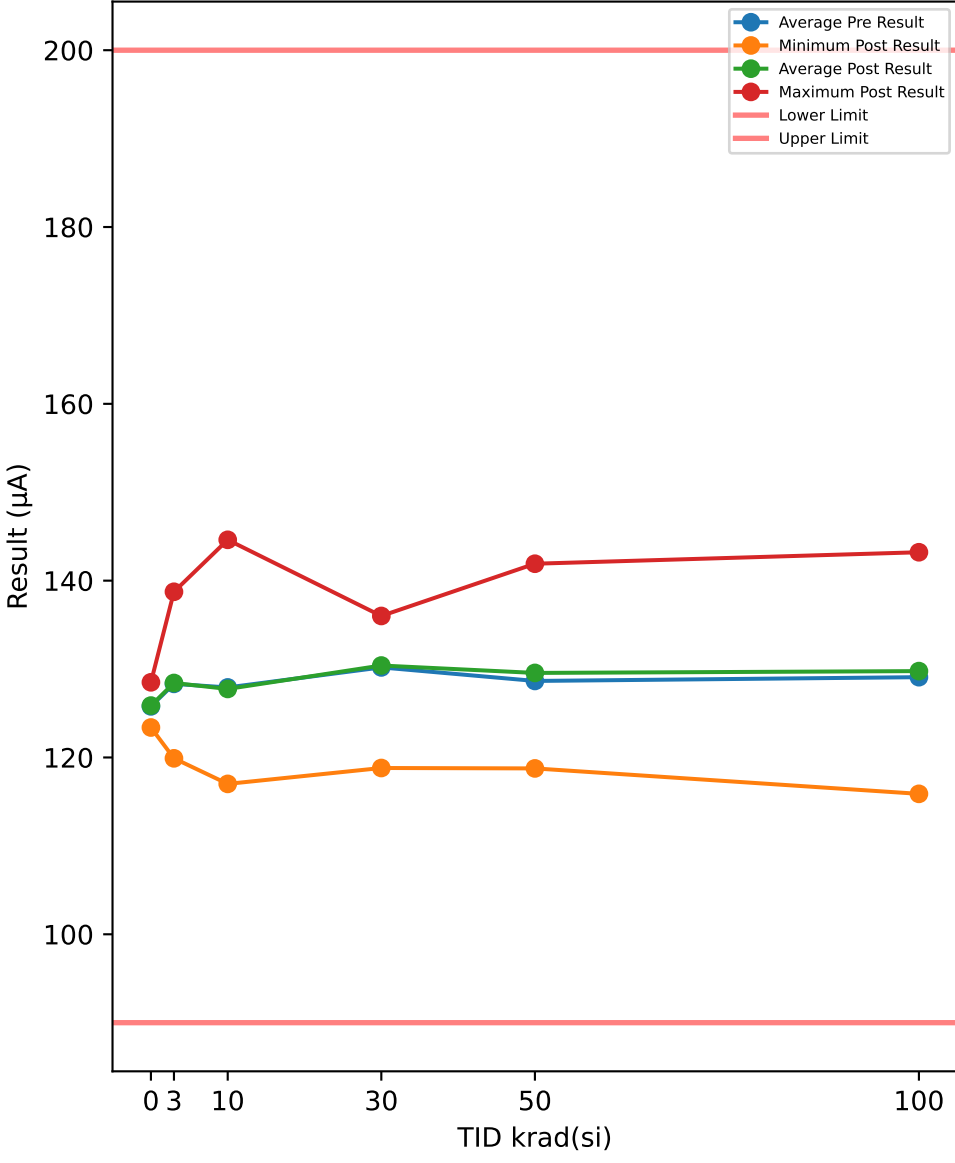


Test Statistics (µA)

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)

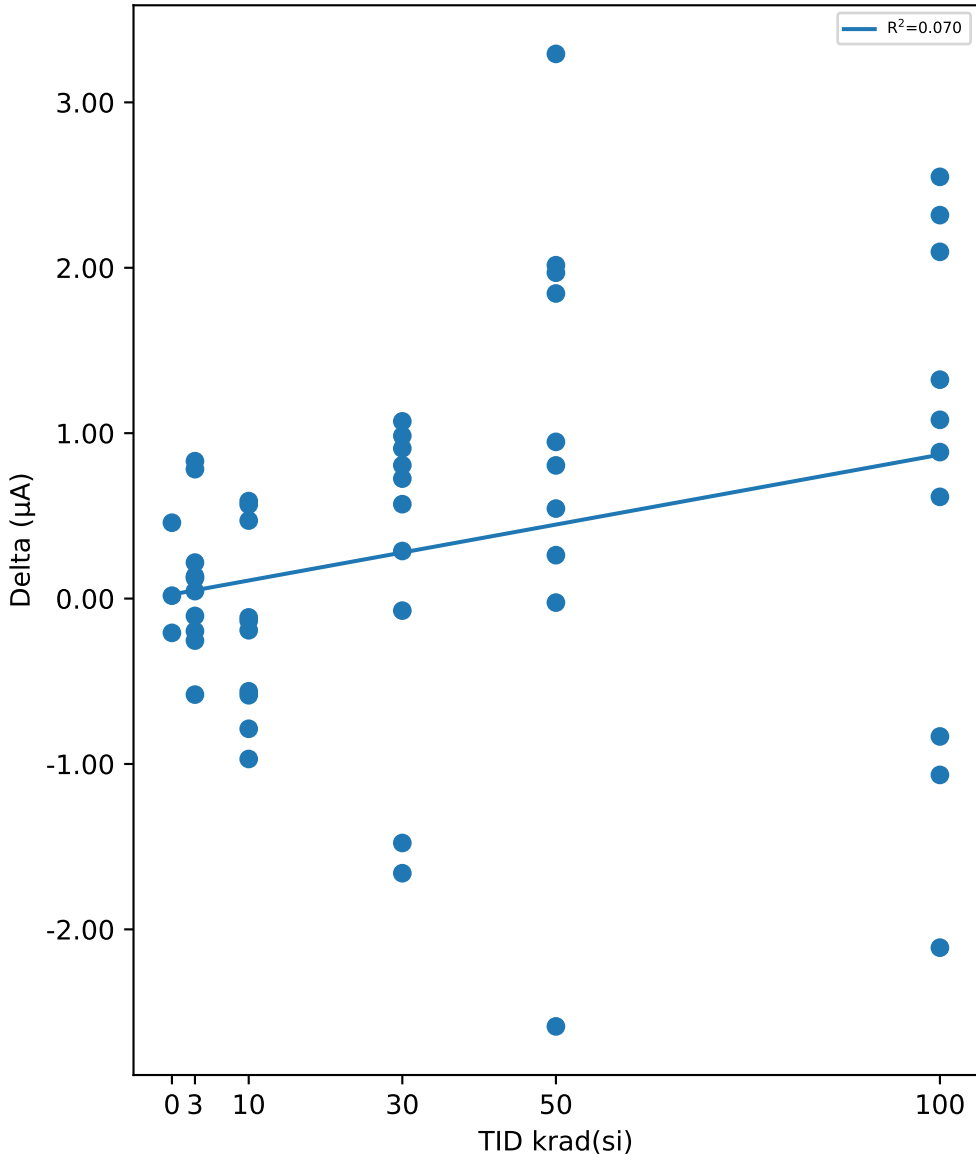
TID vs Result Stats



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

Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
390	100	Biased	140.66	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

TID vs Post - Pre Exposure Delta

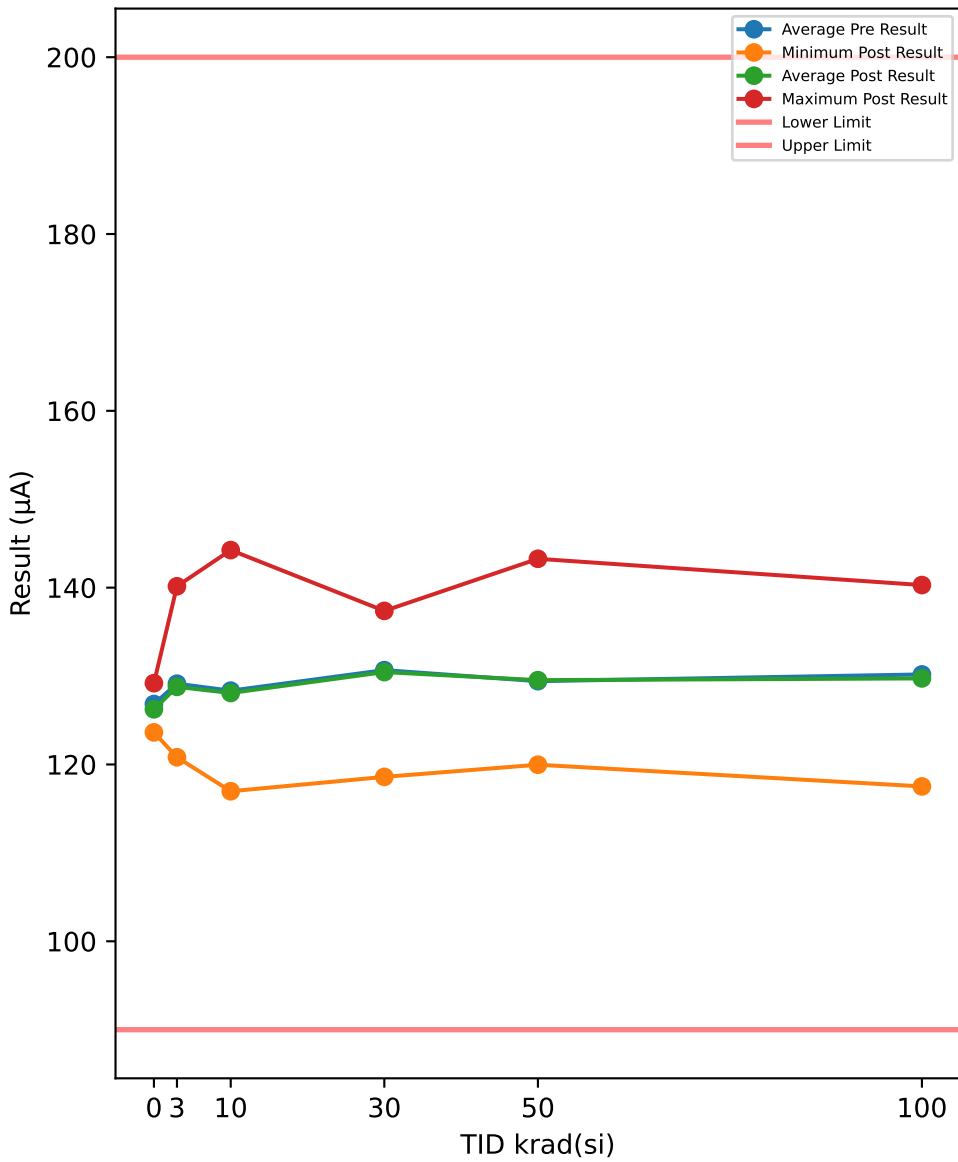


Test Statistics (µA)

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	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)

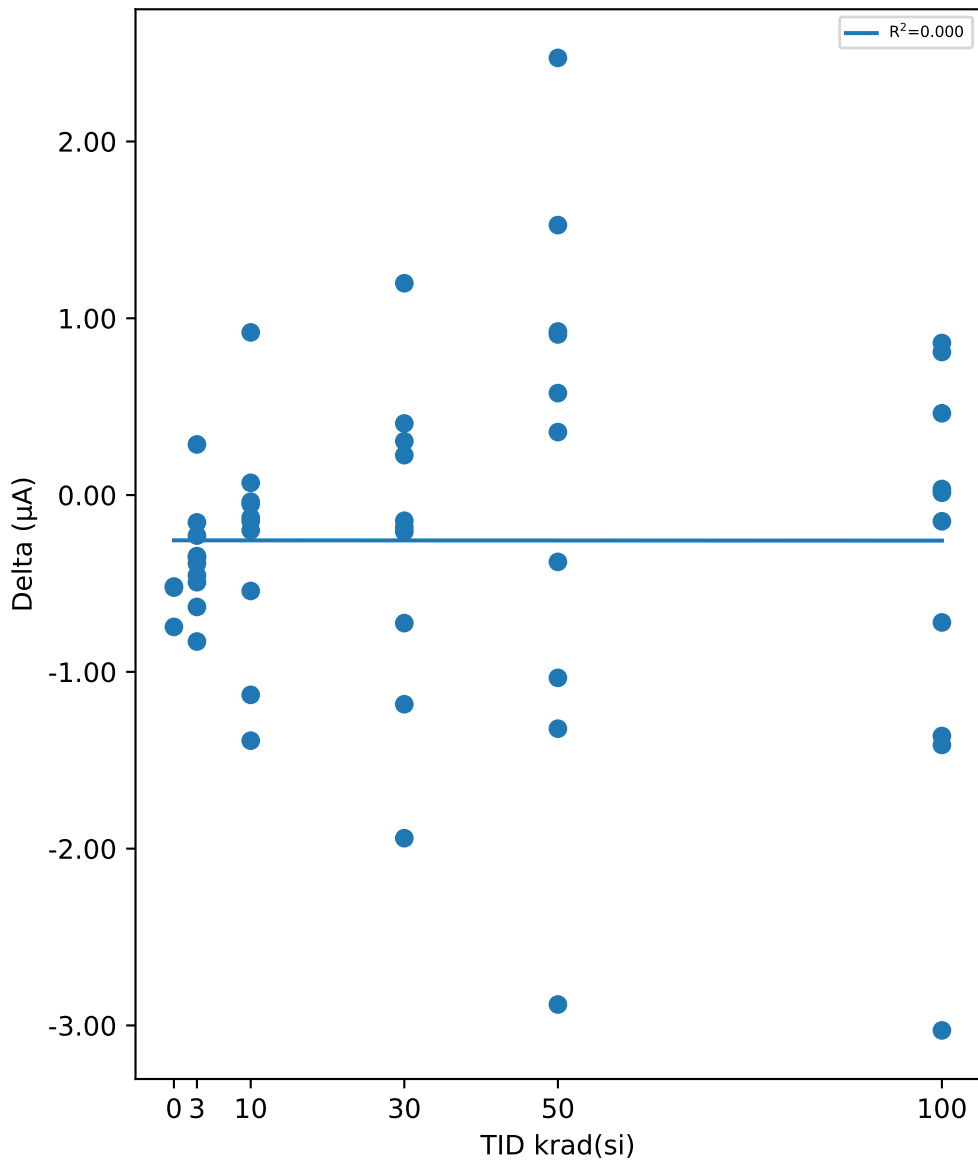
TID vs Result Stats



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

Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
390	100	Biased	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

TID vs Post - Pre Exposure Delta

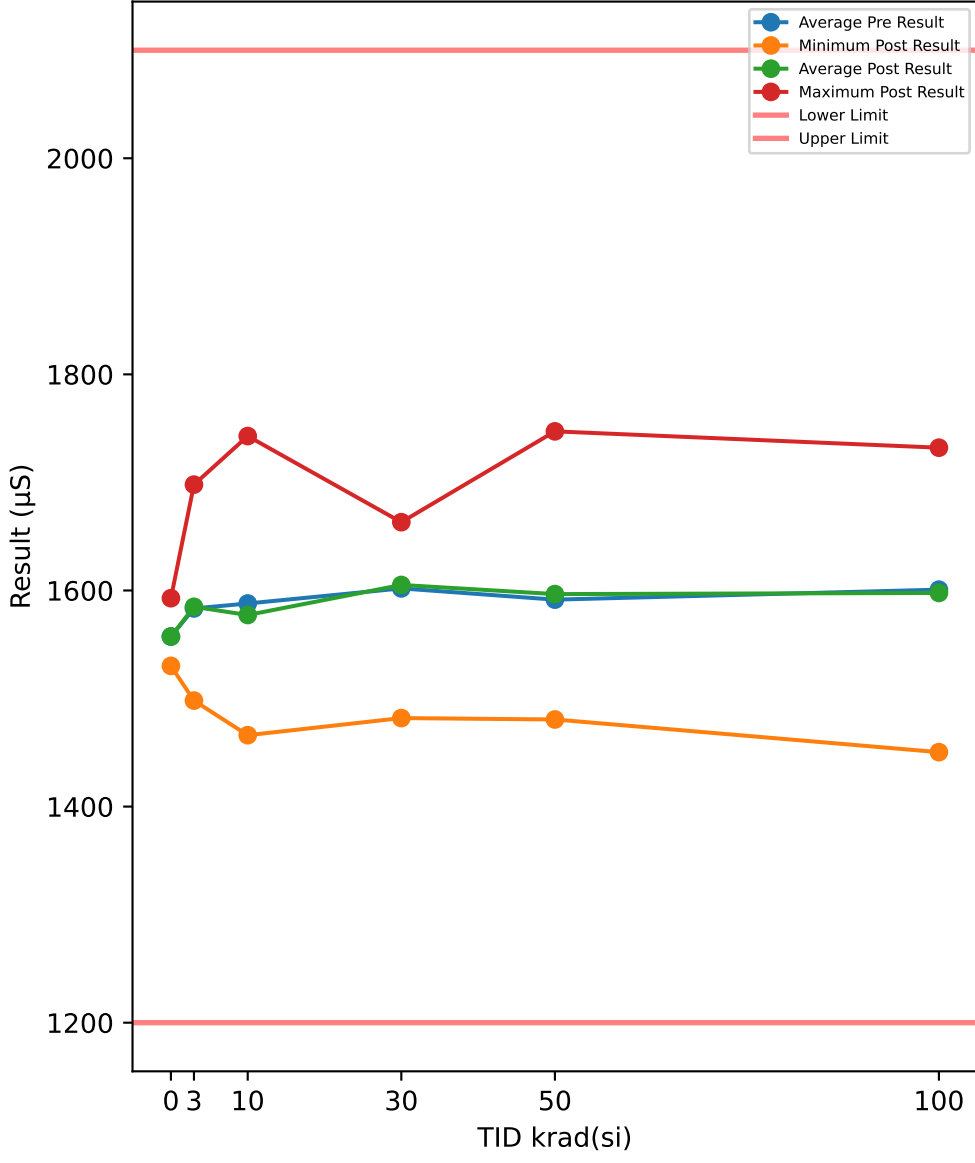


Test Statistics (µA)

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	124.38	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)

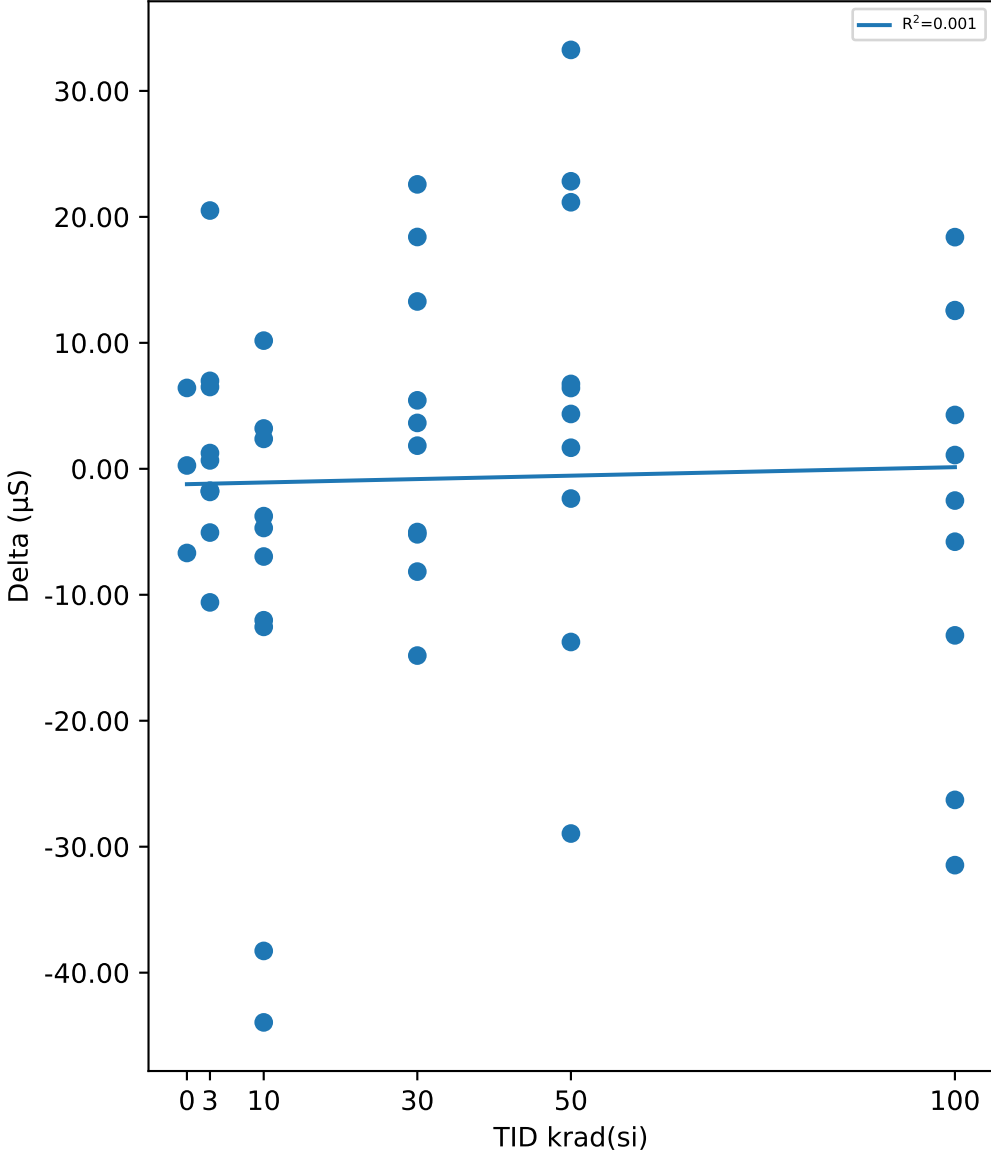
TID vs Result Stats



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

TID vs Post - Pre Exposure Delta

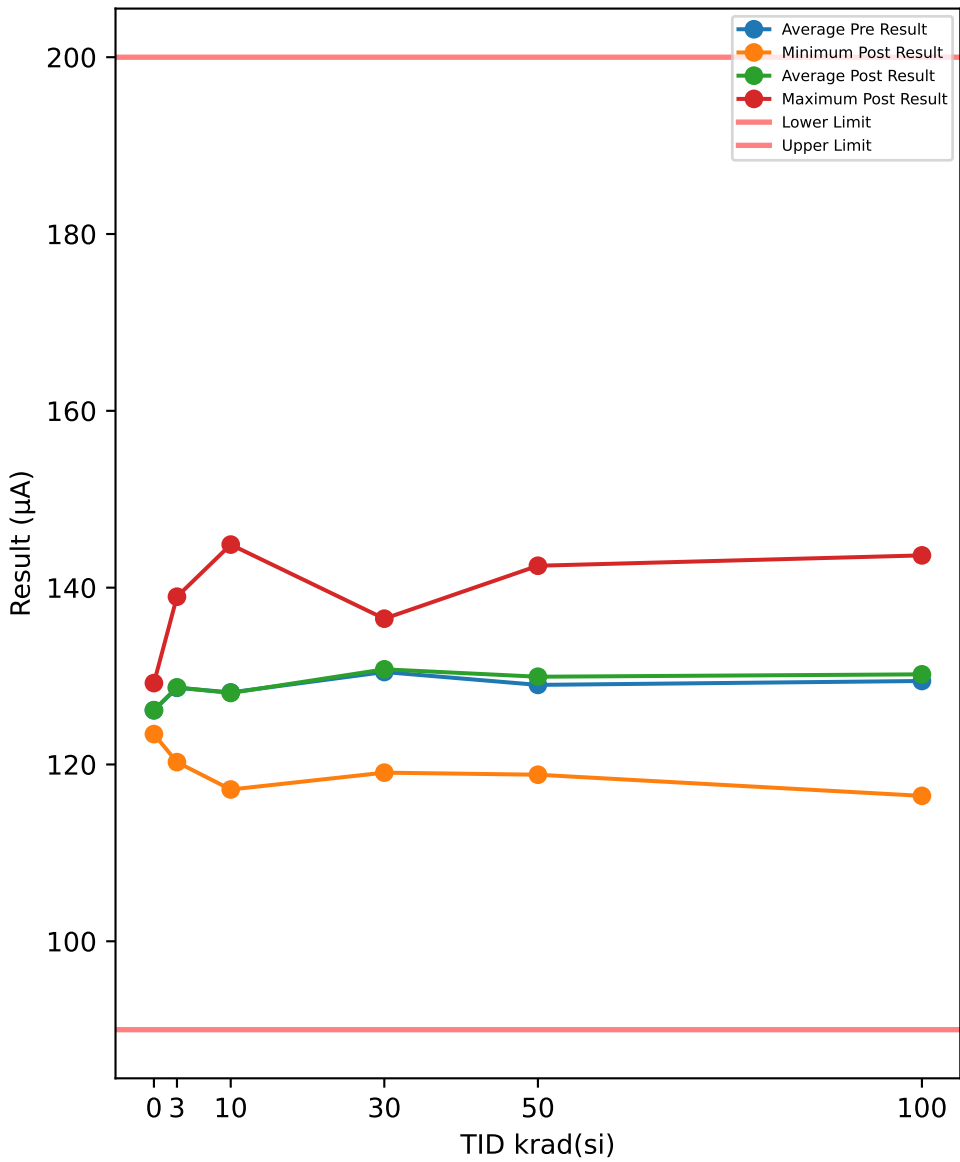


Test Statistics (µS)

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	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)

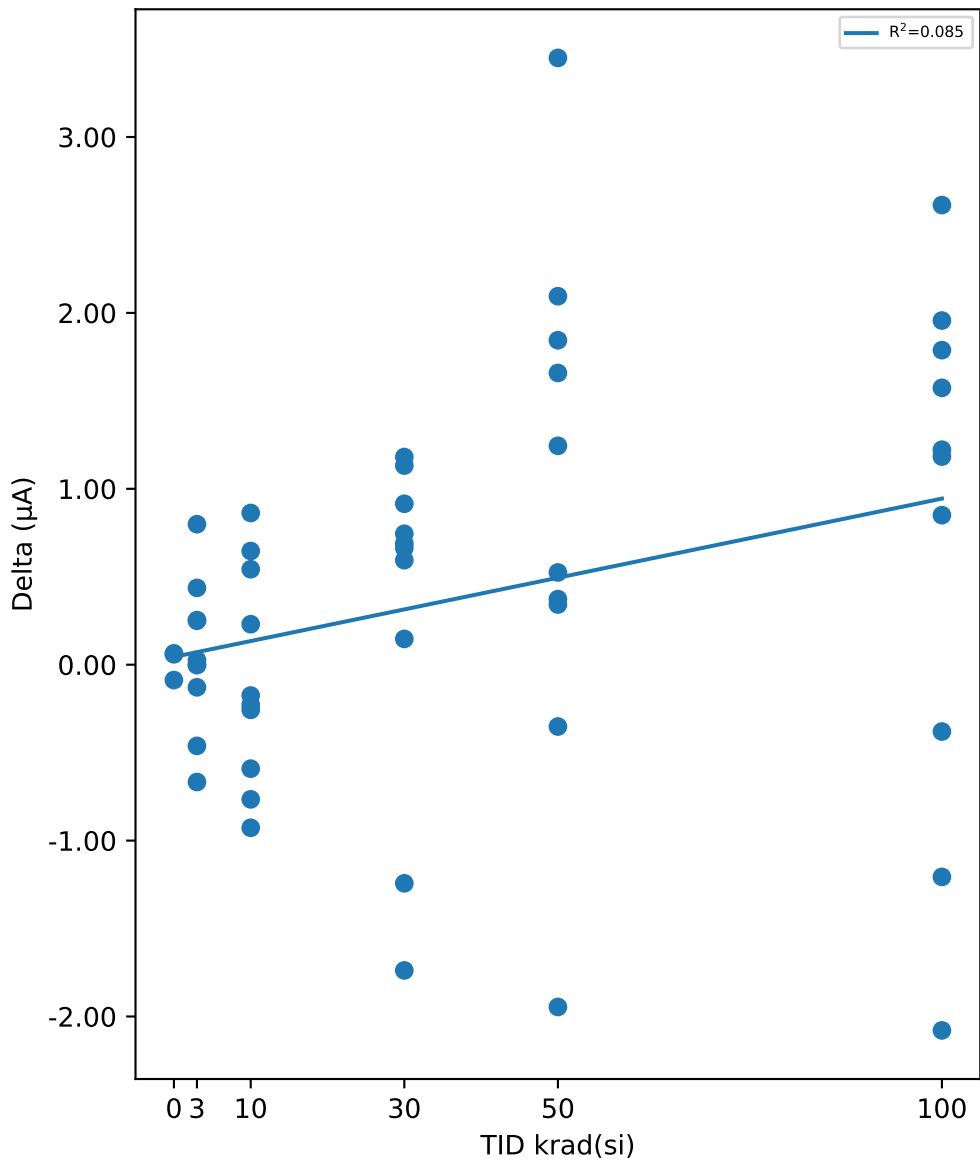
TID vs Result Stats



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

Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
390	100	Biased	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

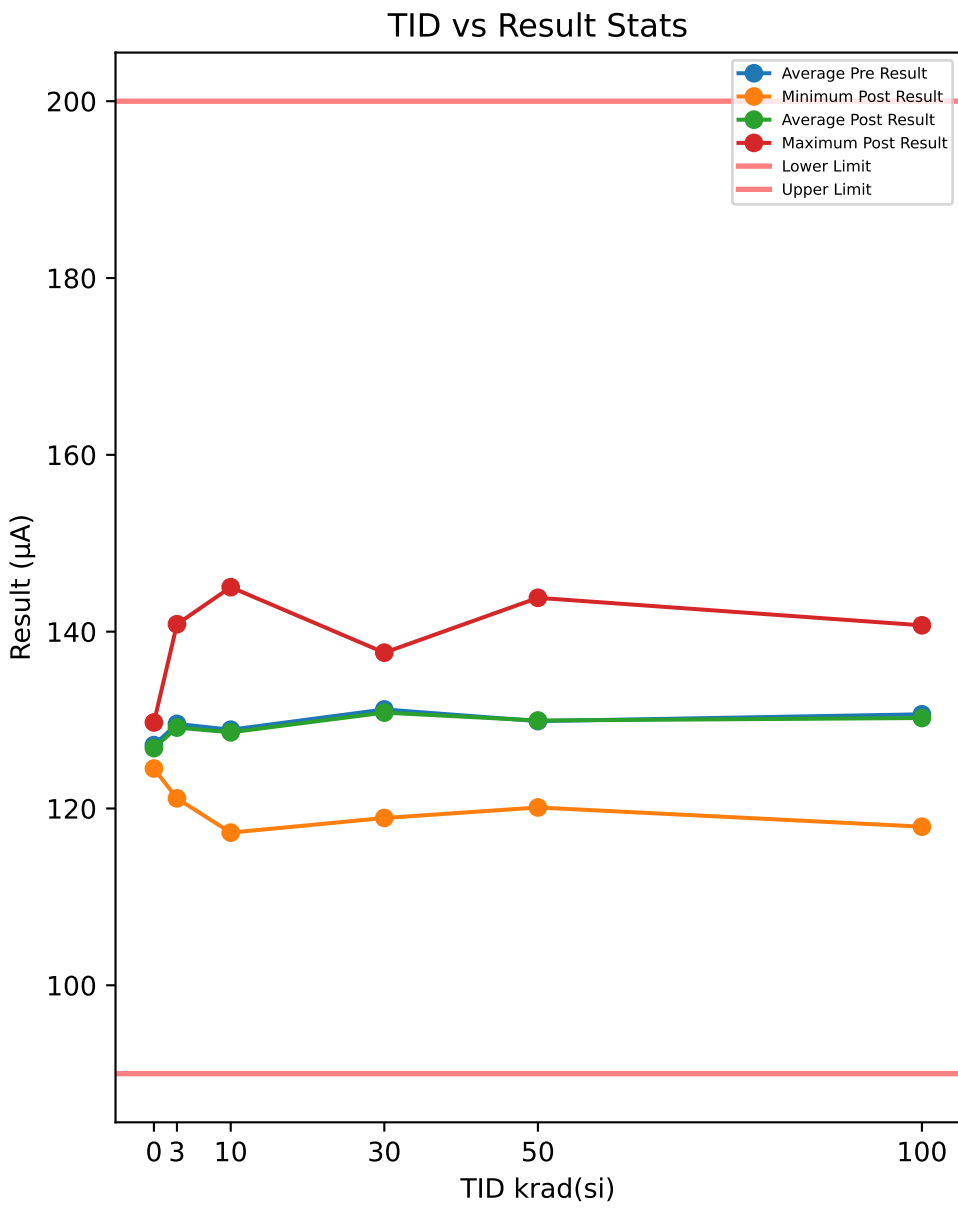
TID vs Post - Pre Exposure Delta



Test Statistics (µA)

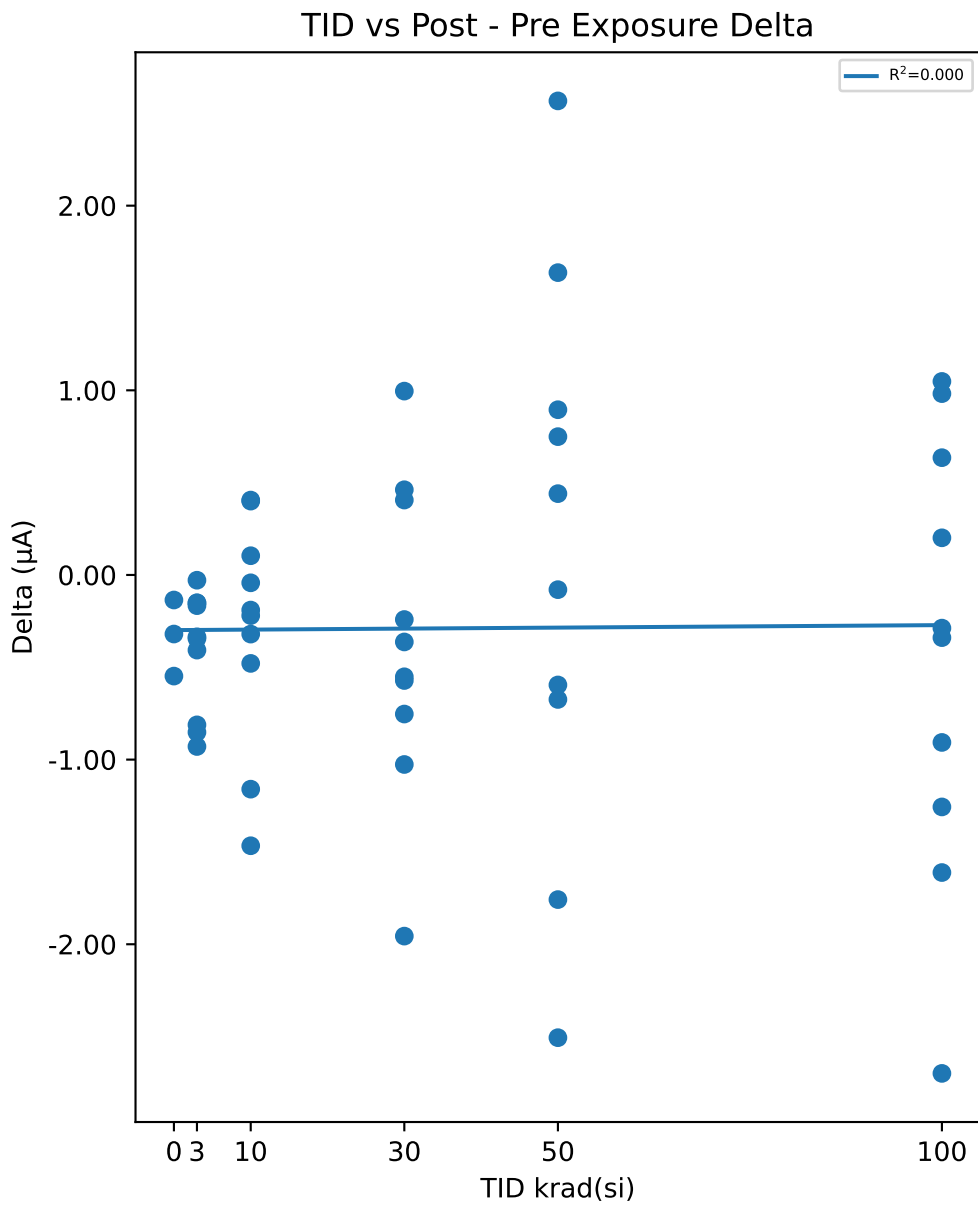
krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	123.37	126.13	129.15	2.8957	123.44	126.14	129.2	2.9011	-0.0874	0.012067	0.0644	0.08618
3	120.39	128.67	138.98	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

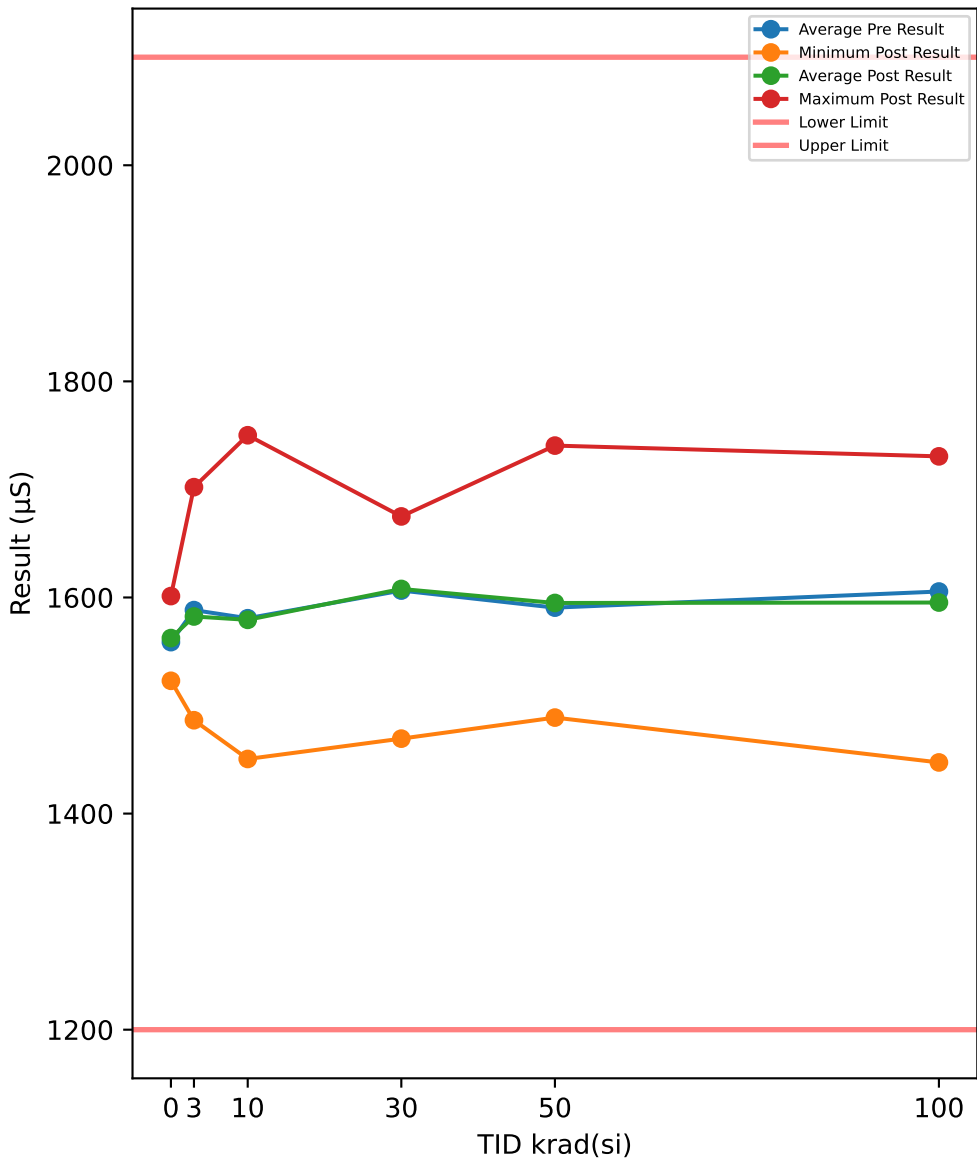


Test Statistics (µA)

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)

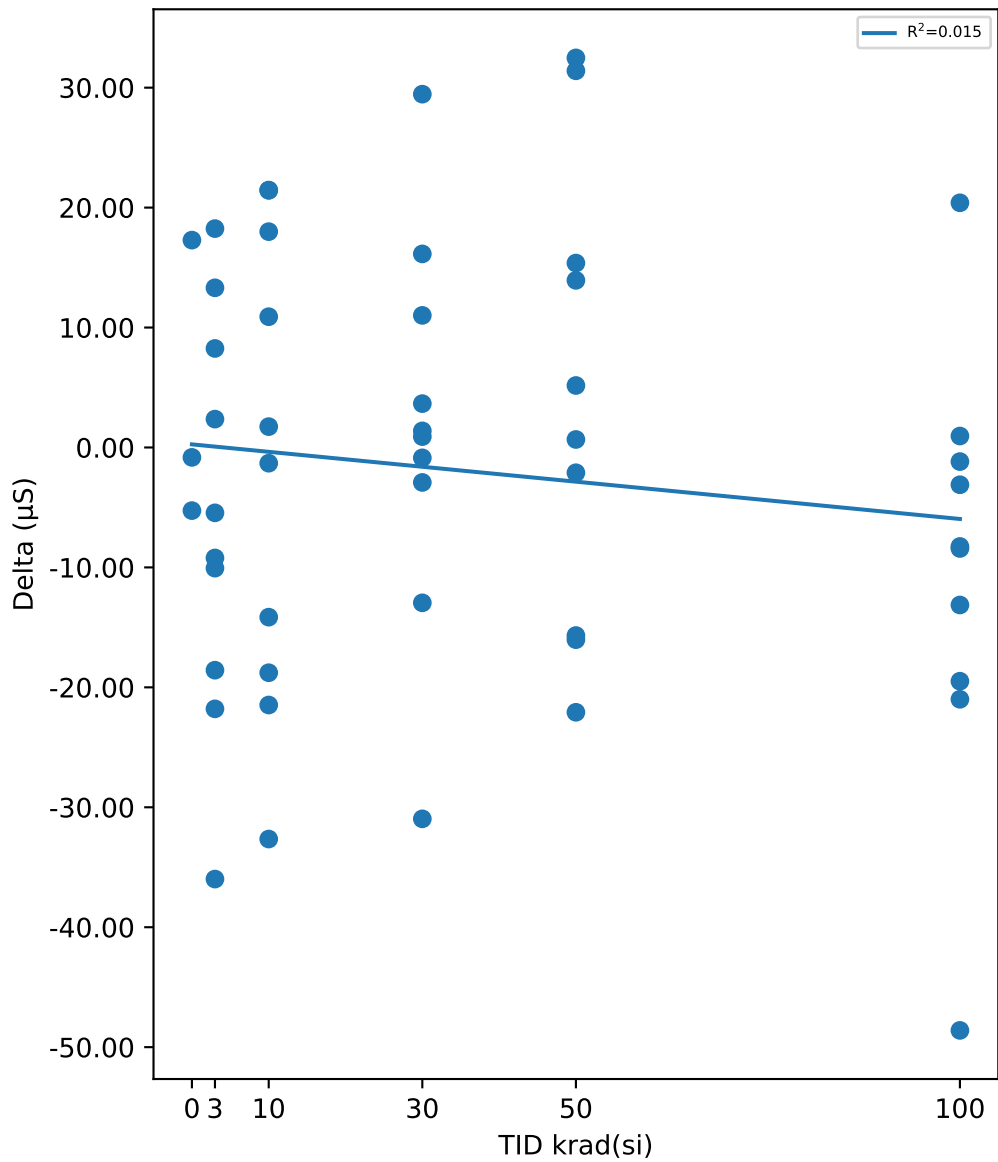
TID vs Result Stats



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

TID vs Post - Pre Exposure Delta

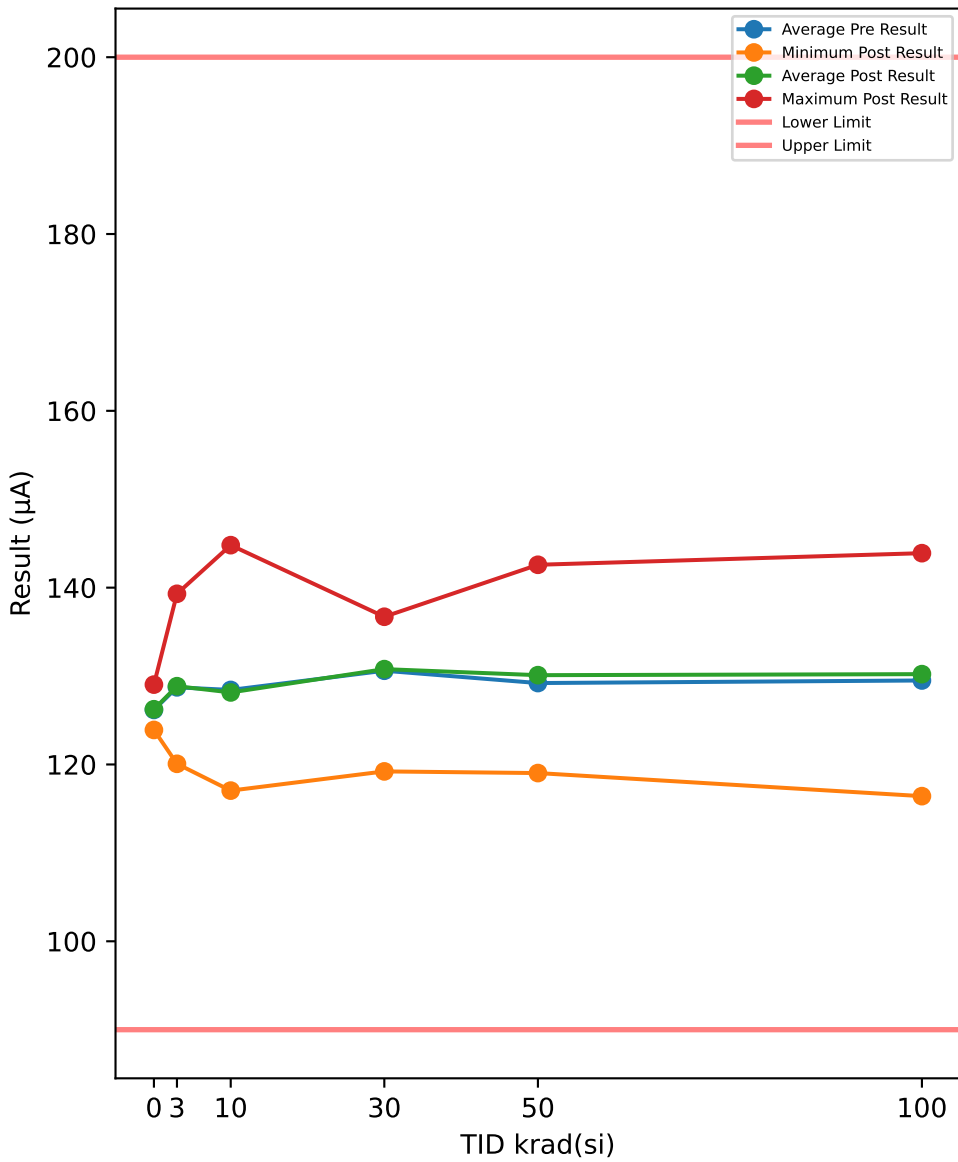


Test Statistics (µS)

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	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)

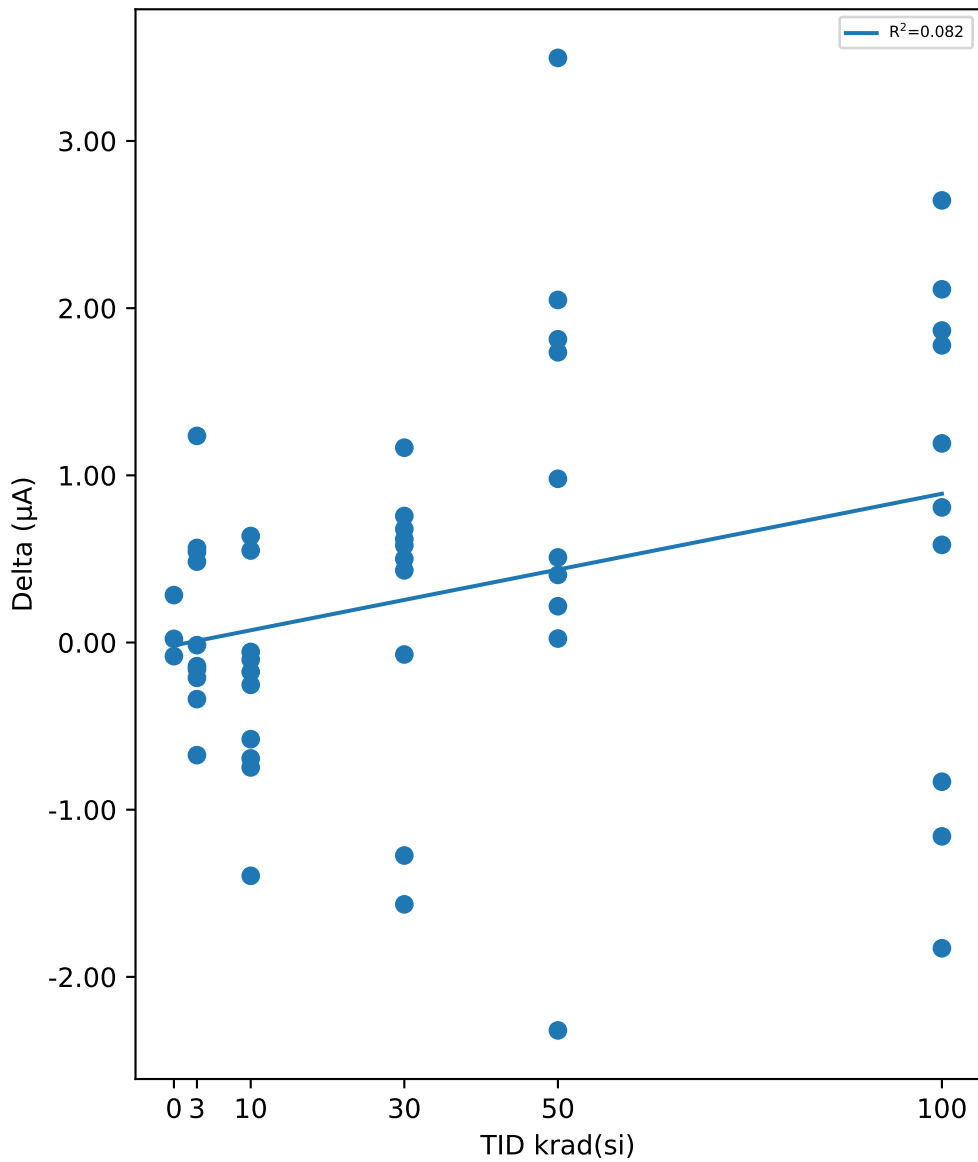
TID vs Result Stats



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

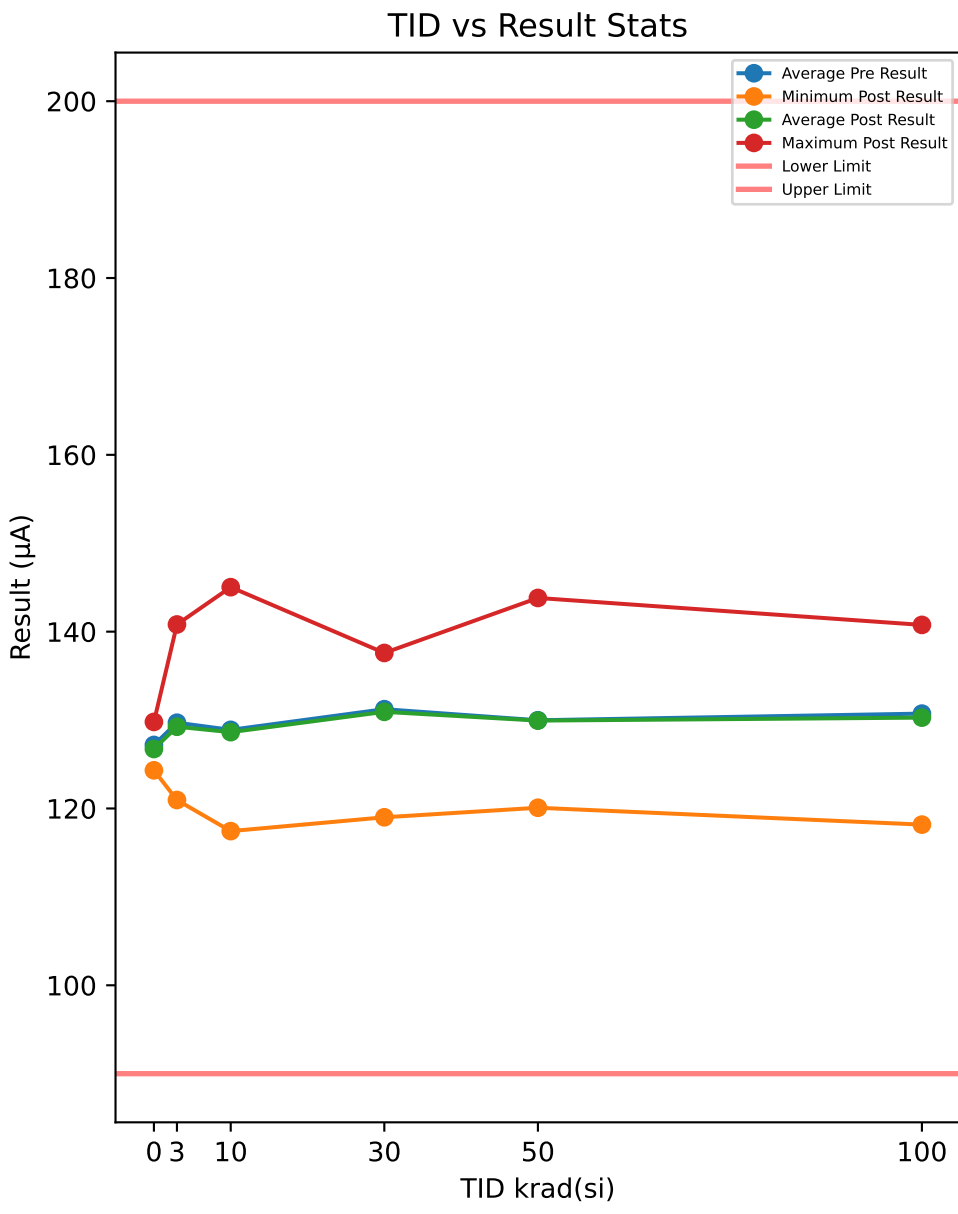
TID vs Post - Pre Exposure Delta



Test Statistics (µA)

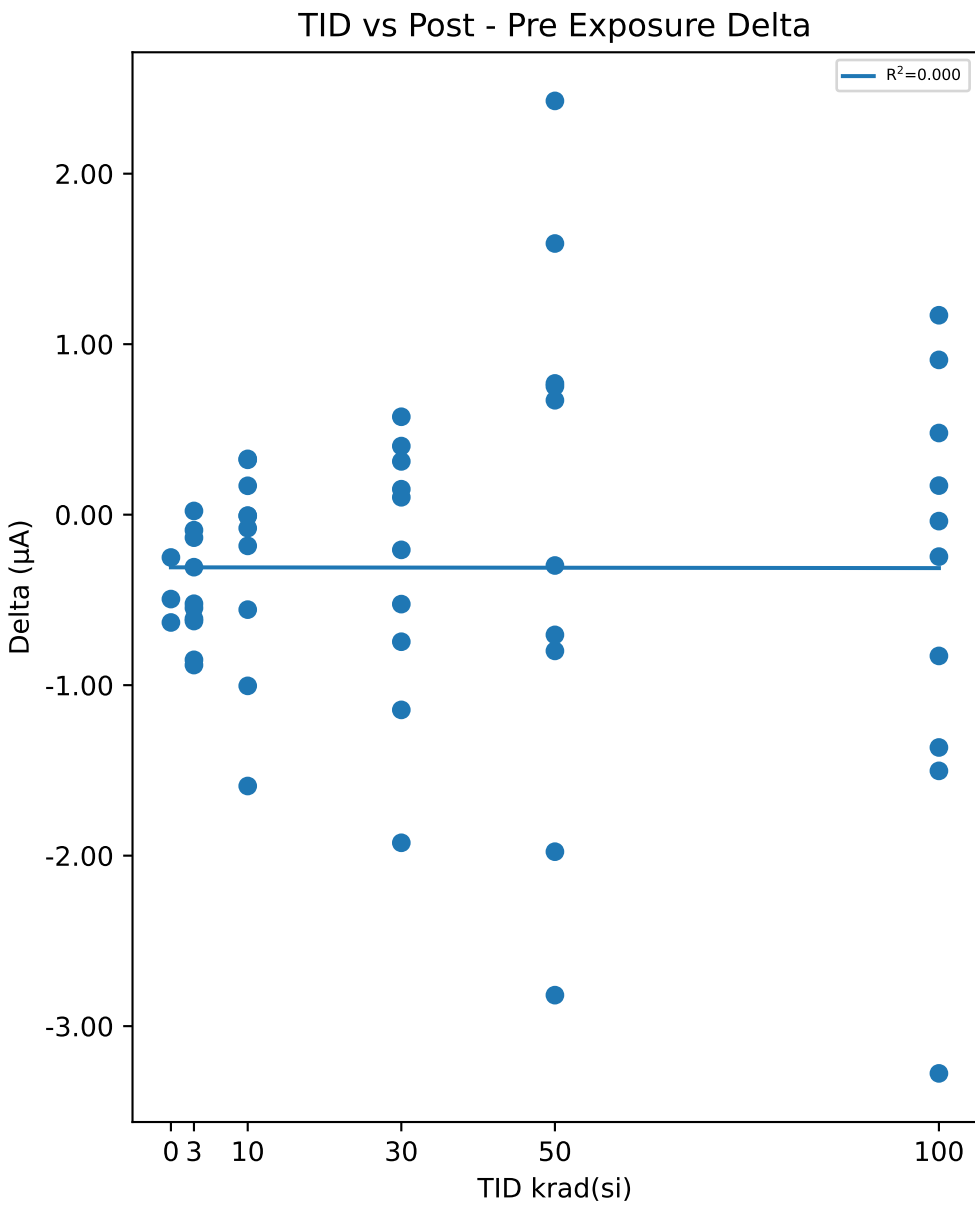
krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	123.62	126.17	129.11	2.7678	123.91	126.24	129.03	2.5931	-0.0816	0.074633	0.2837	0.18829
3	120.24	128.72	139.45	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))

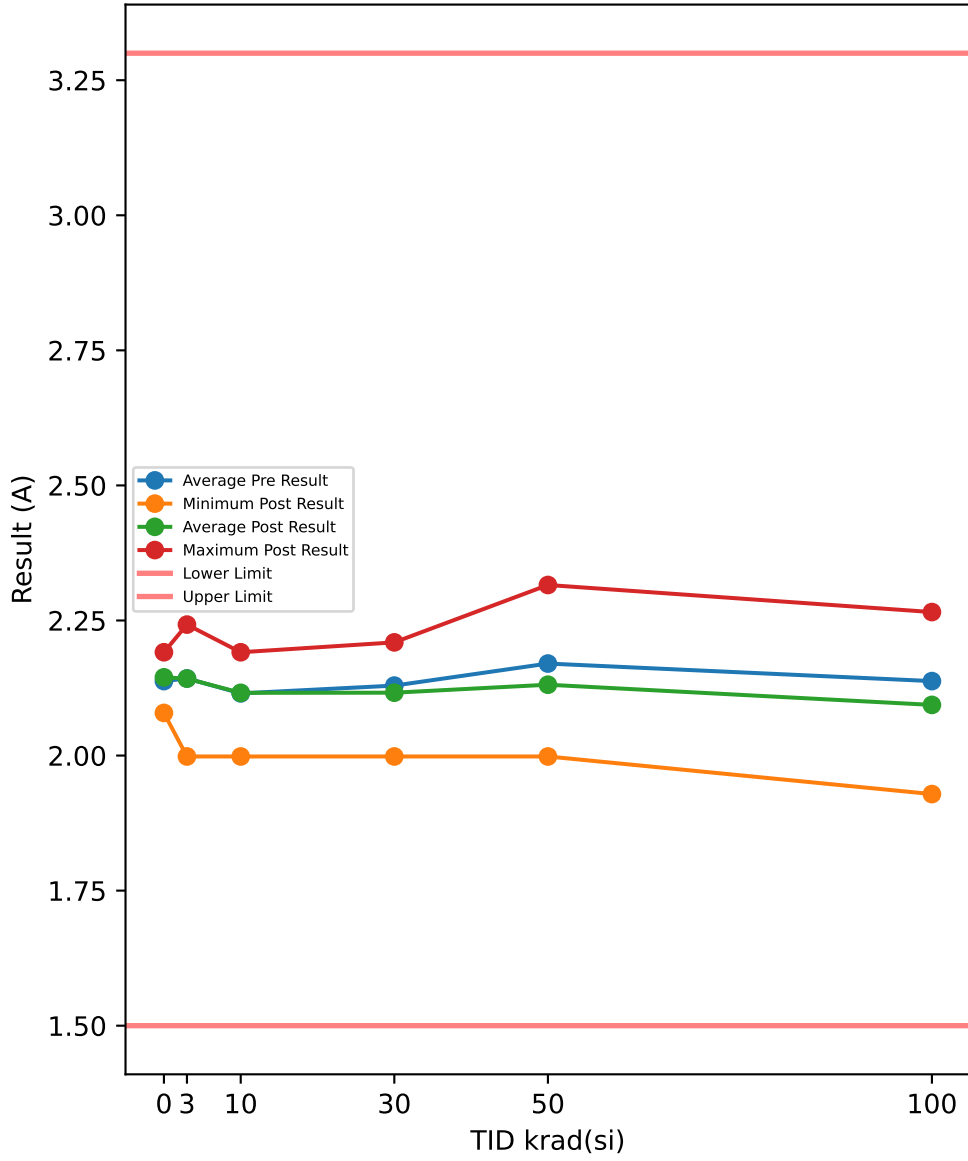
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
390	100	Biased	139.86	140.76	0.9078
392	100	Biased	124.11	123.86	-0.246
393	100	Biased	121.86	121.03	-0.8285
394	100	Biased	138.23	136.73	-1.5027
395	100	Biased	127.39	127.87	0.4789
412	100	Unbiased	129.03	130.2	1.1697
413	100	Unbiased	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

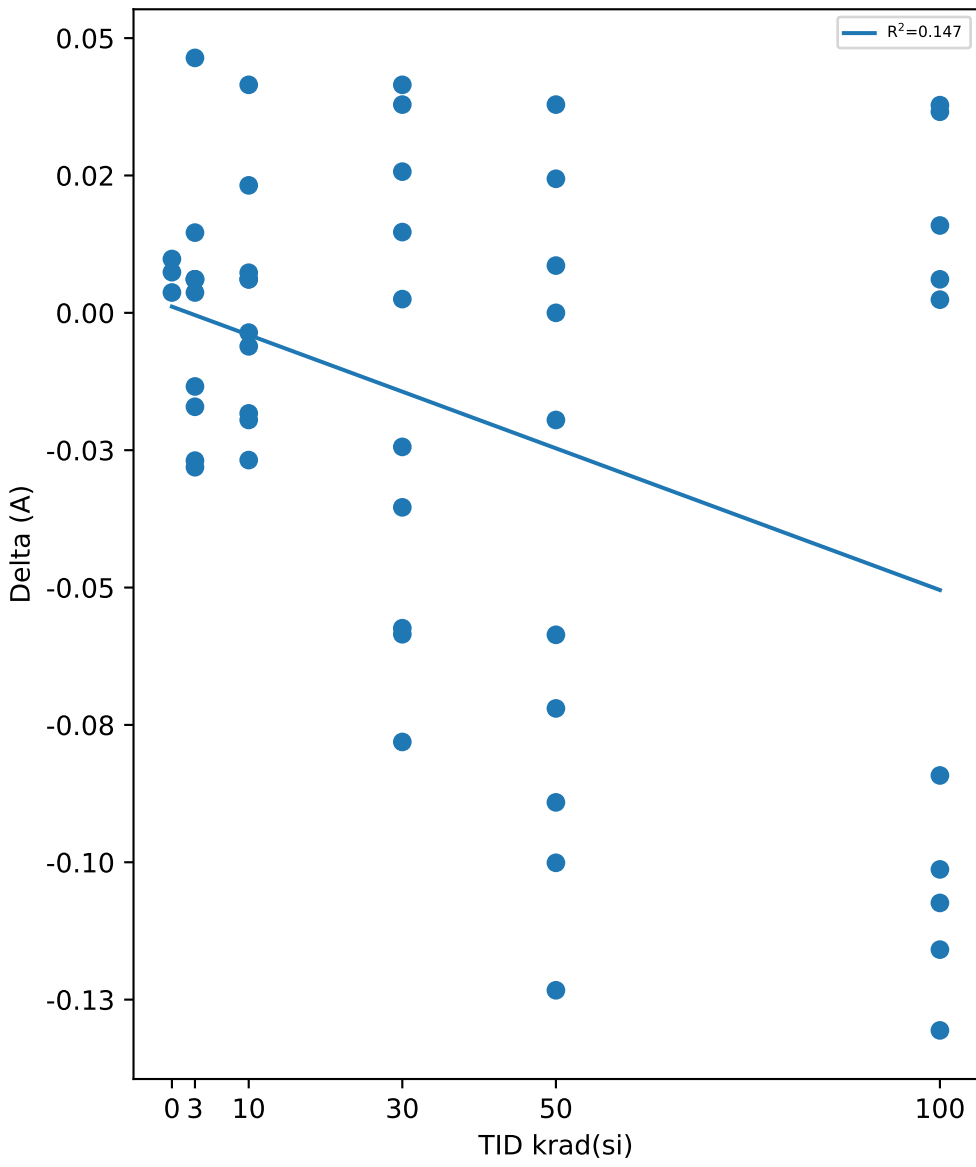
TID vs Result Stats



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

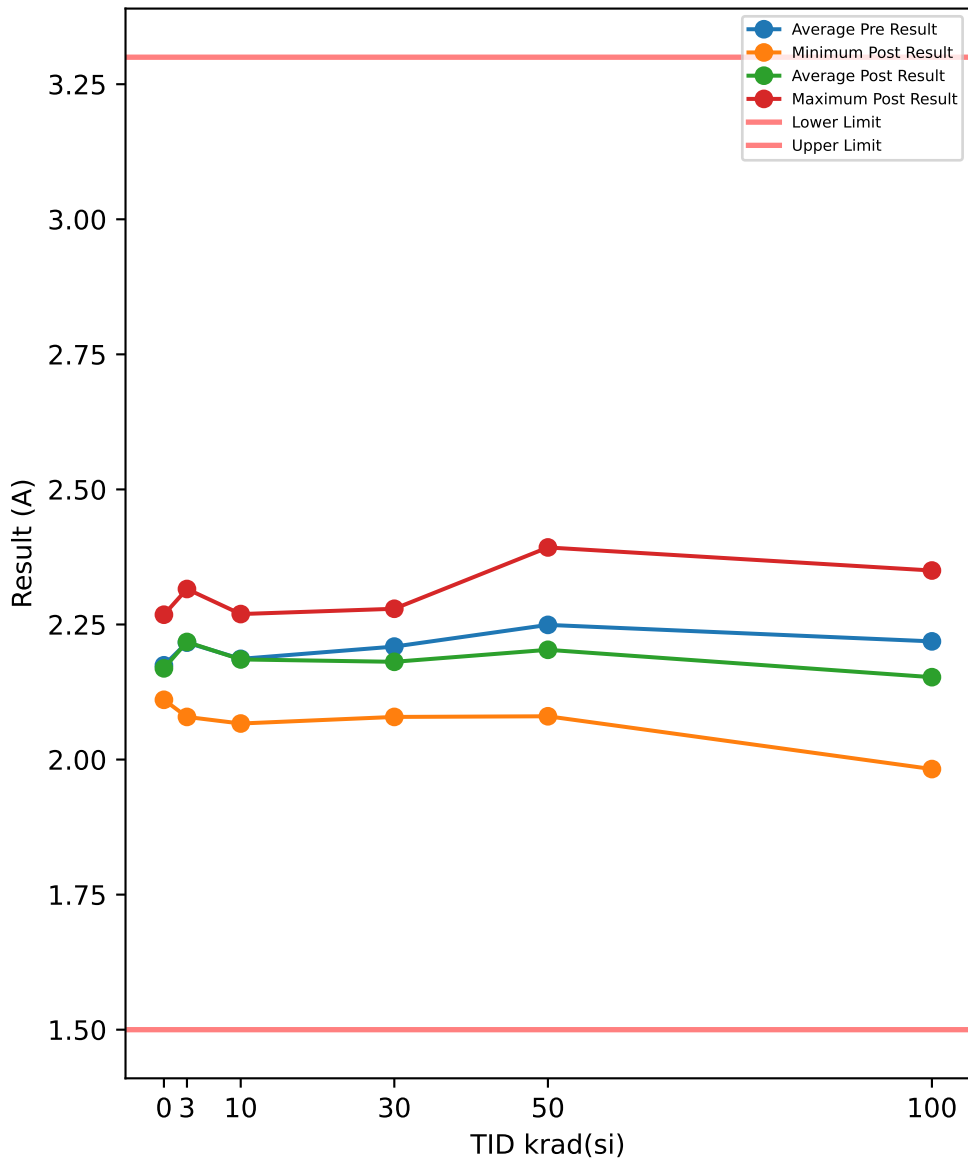
TID vs Post - Pre Exposure Delta



Test Statistics (A)

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	2.0752	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

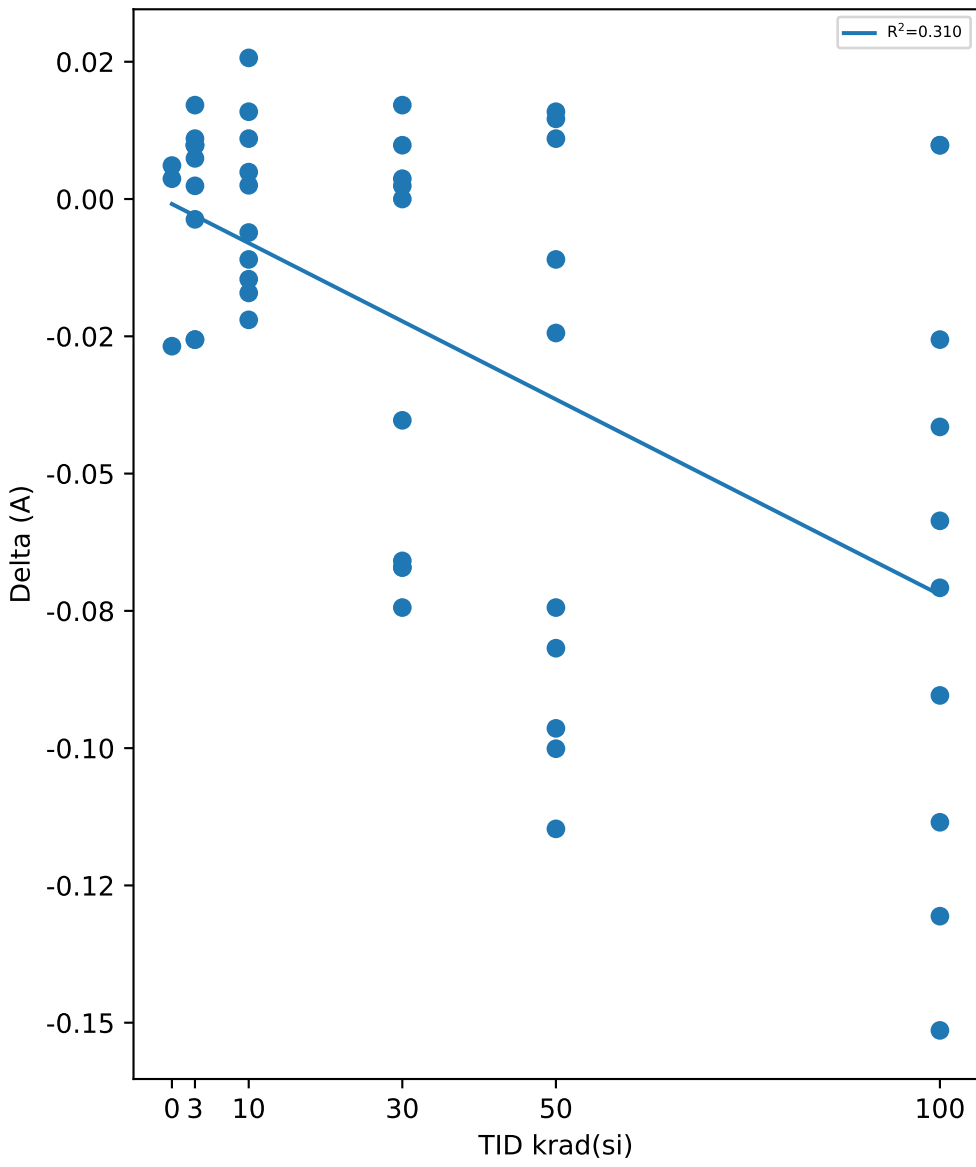
TID vs Result Stats



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

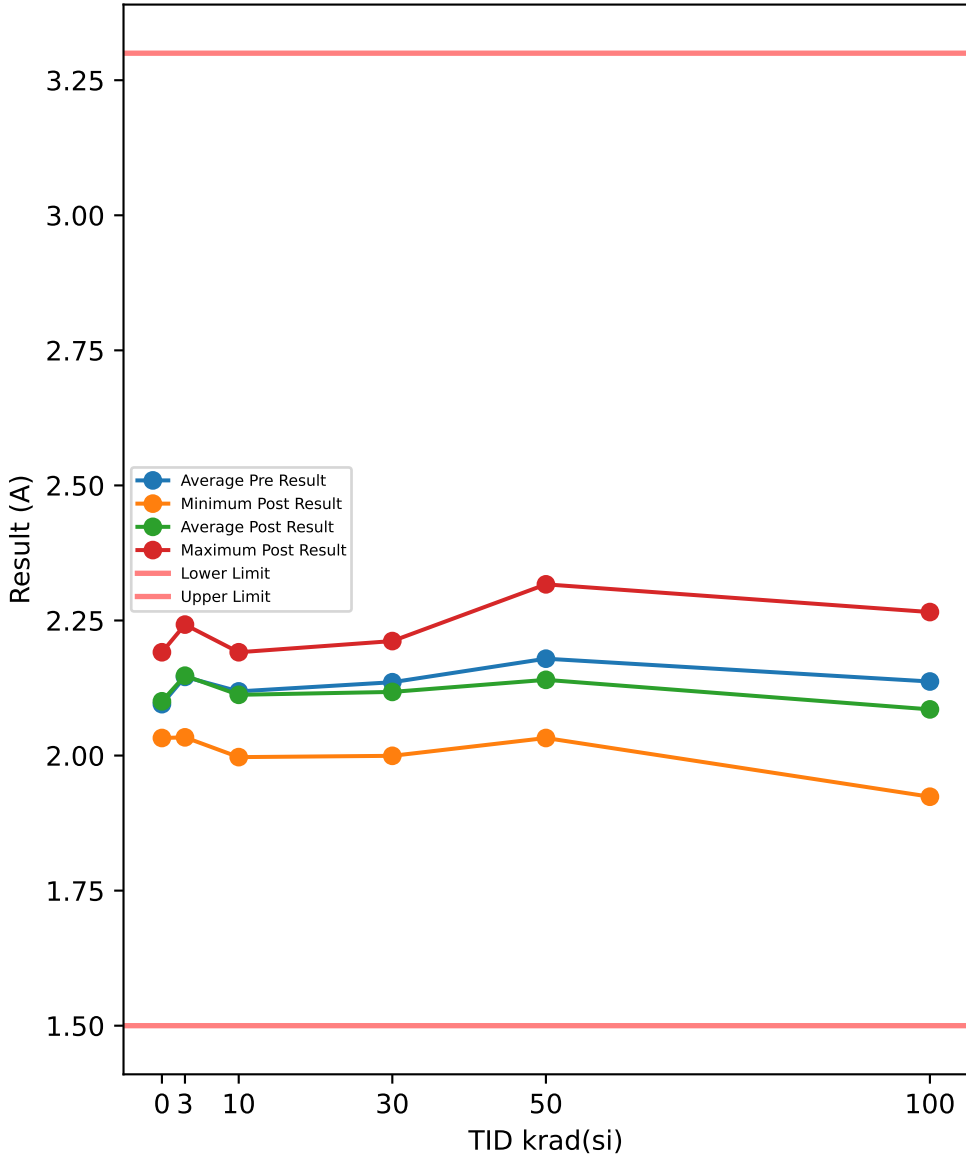
TID vs Post - Pre Exposure Delta



Test Statistics (A)

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	2.1045	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

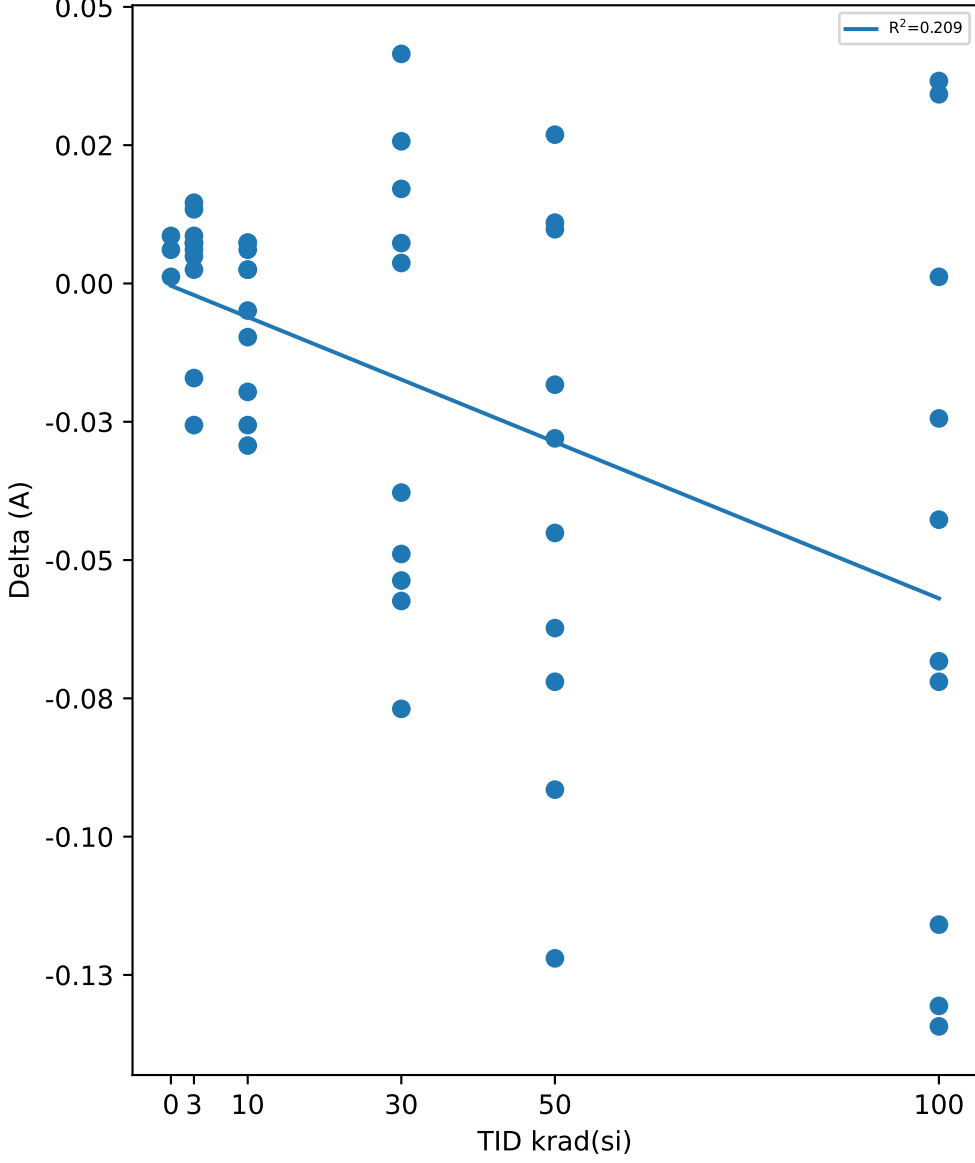
TID vs Result Stats



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

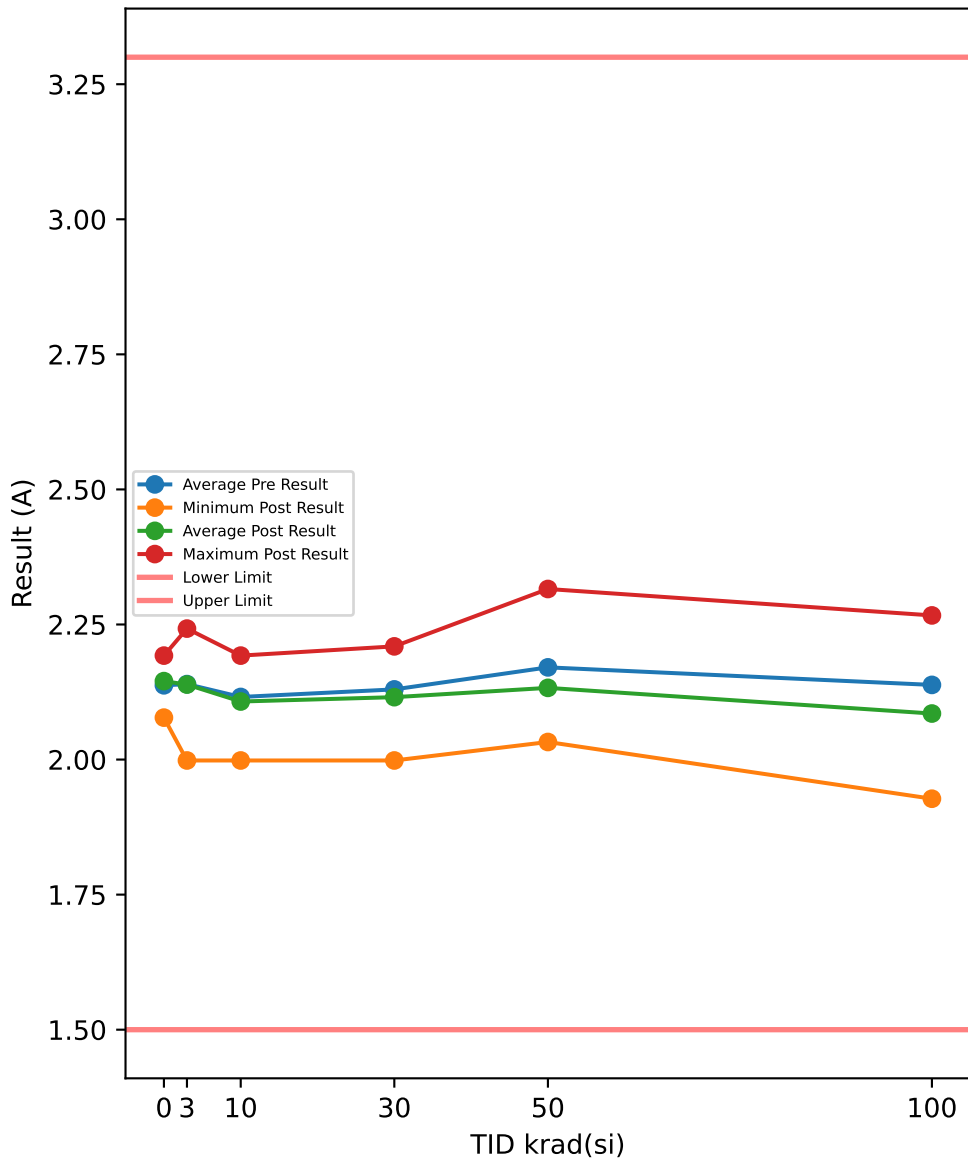
TID vs Post - Pre Exposure Delta



Test Statistics (A)

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	2.0264	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

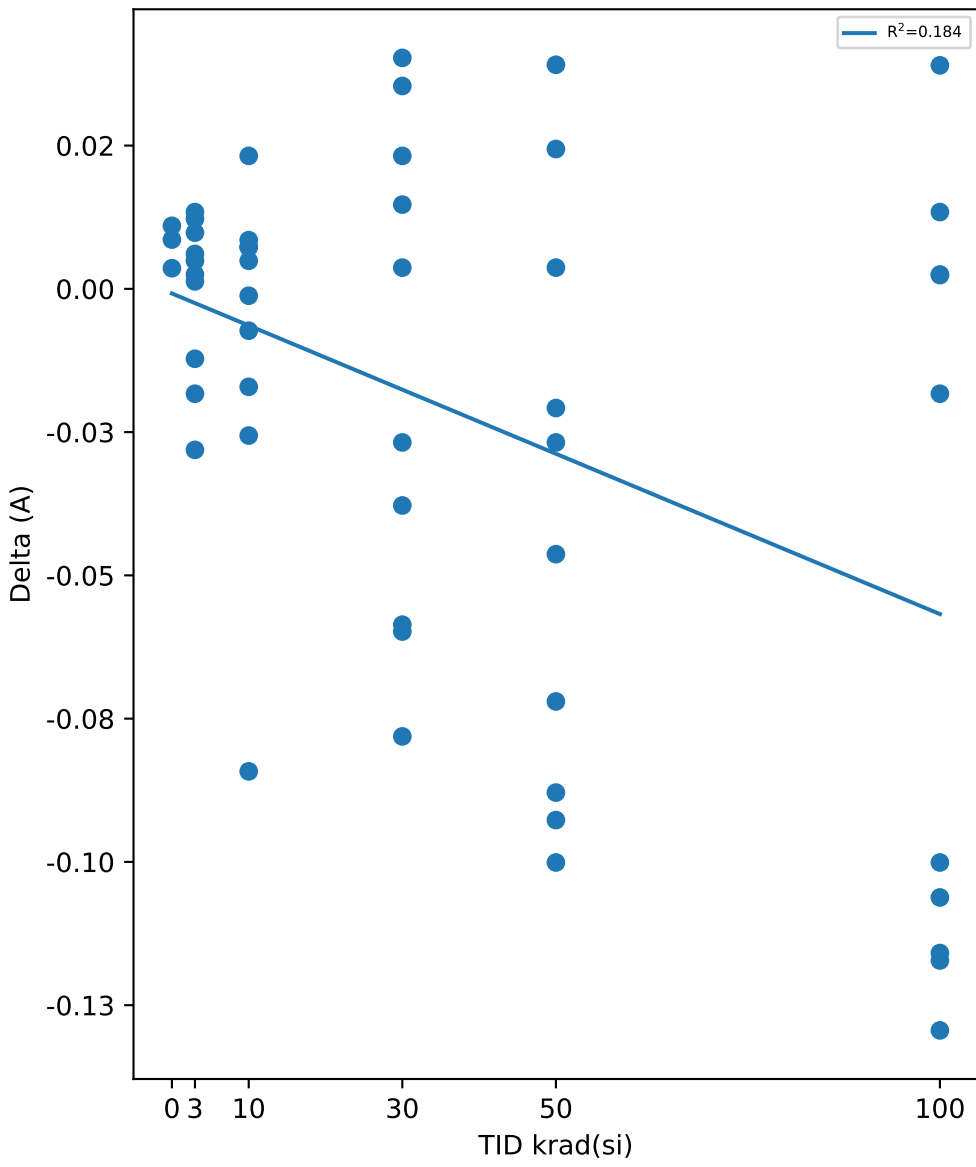
TID vs Result Stats



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

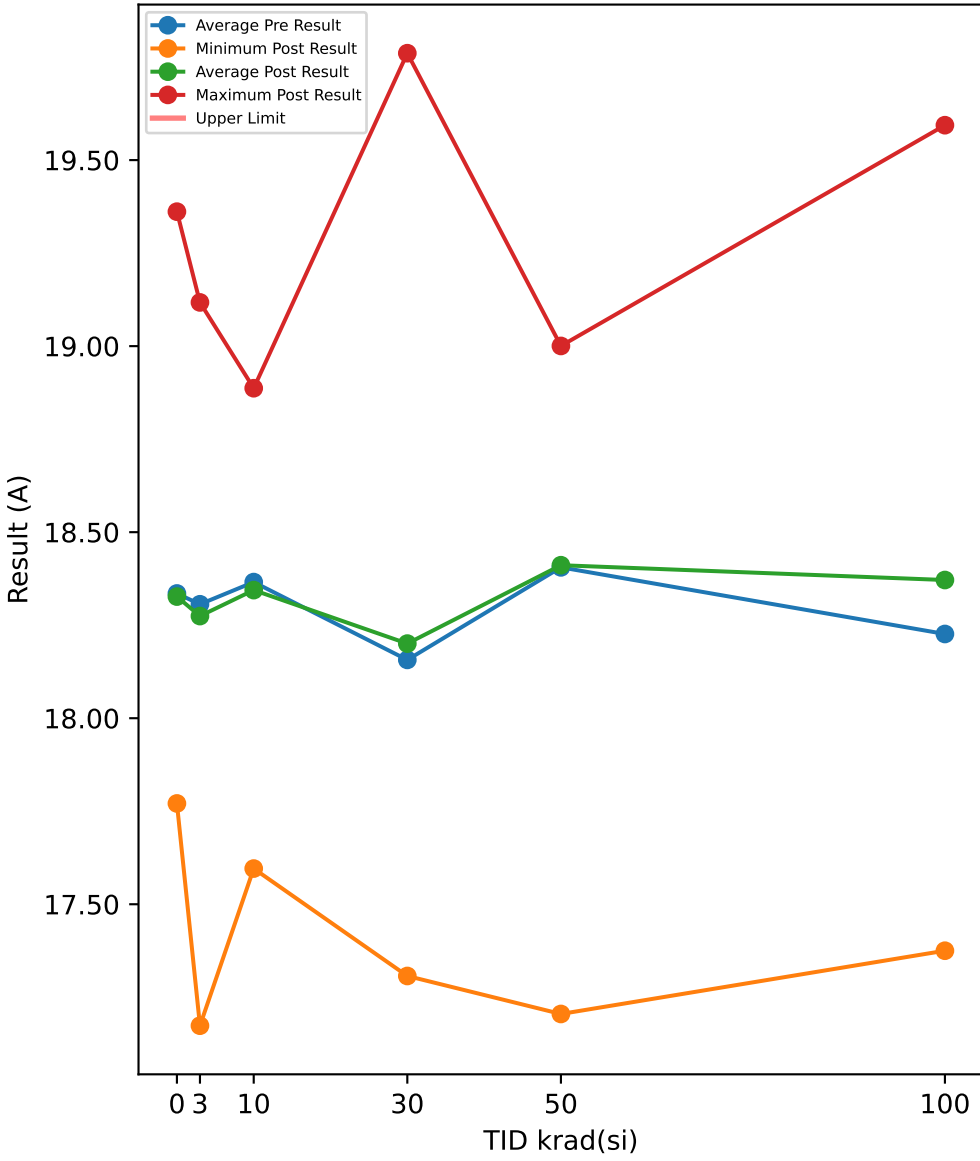
TID vs Post - Pre Exposure Delta



Test Statistics (A)

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	2.074	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

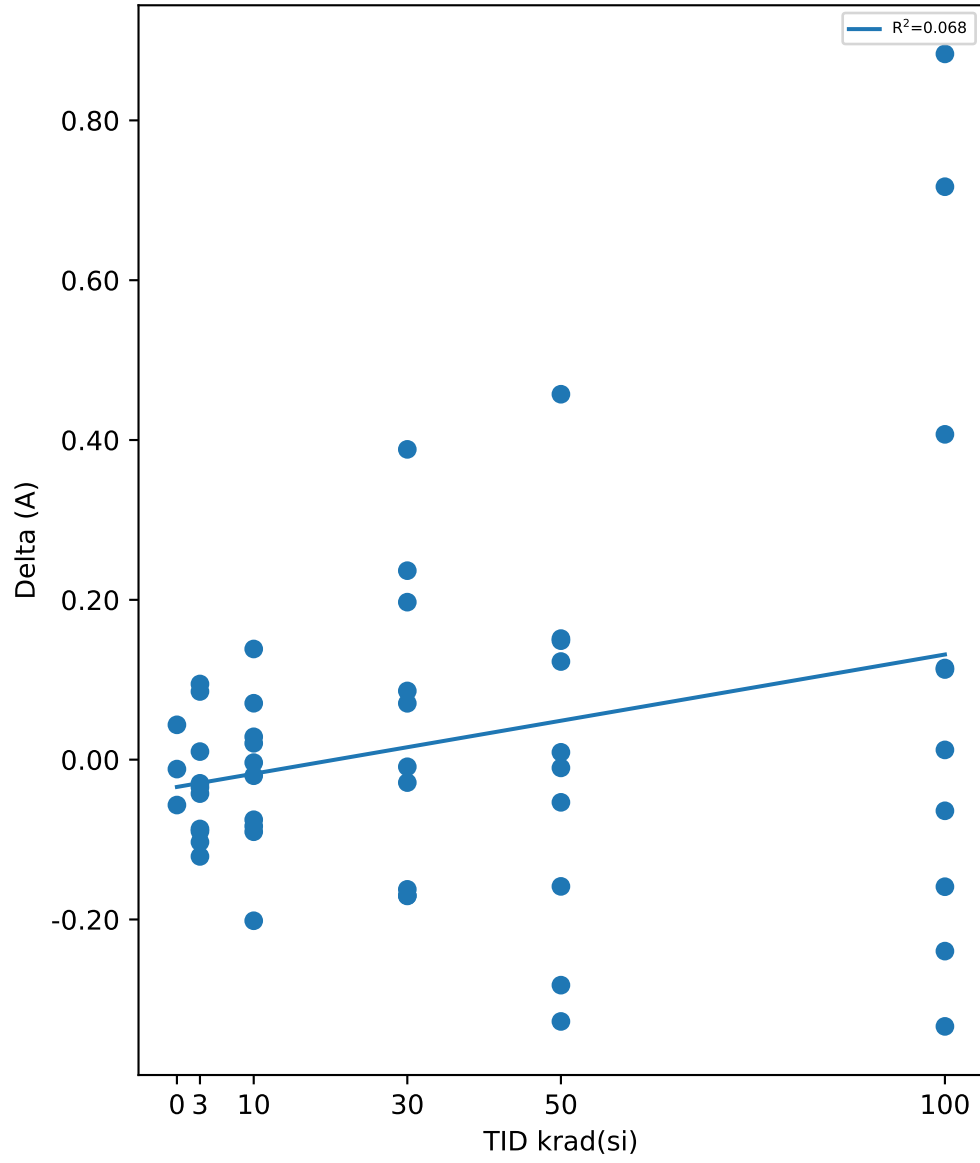
TID vs Result Stats



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

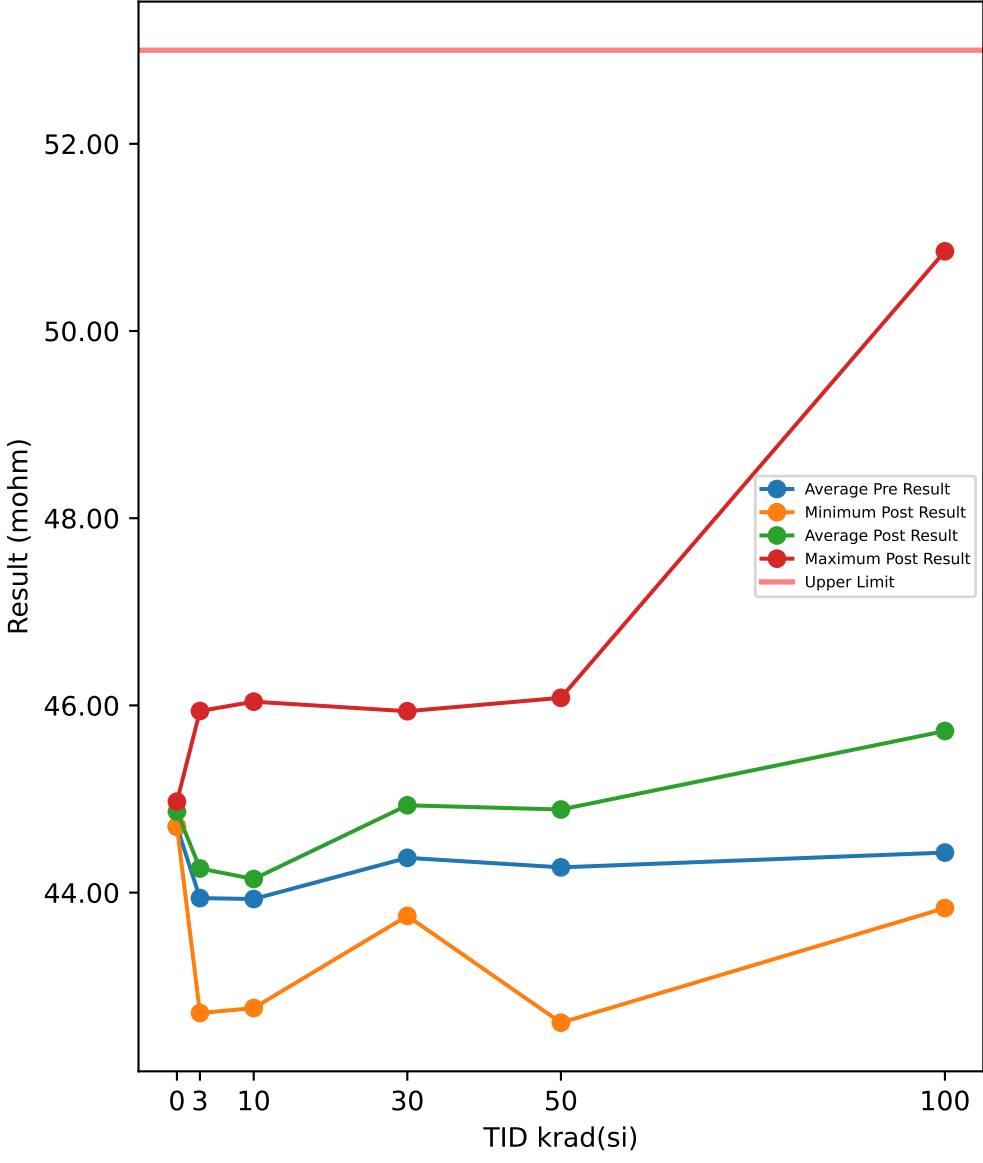
TID vs Post - Pre Exposure Delta



Test Statistics (A)

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	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

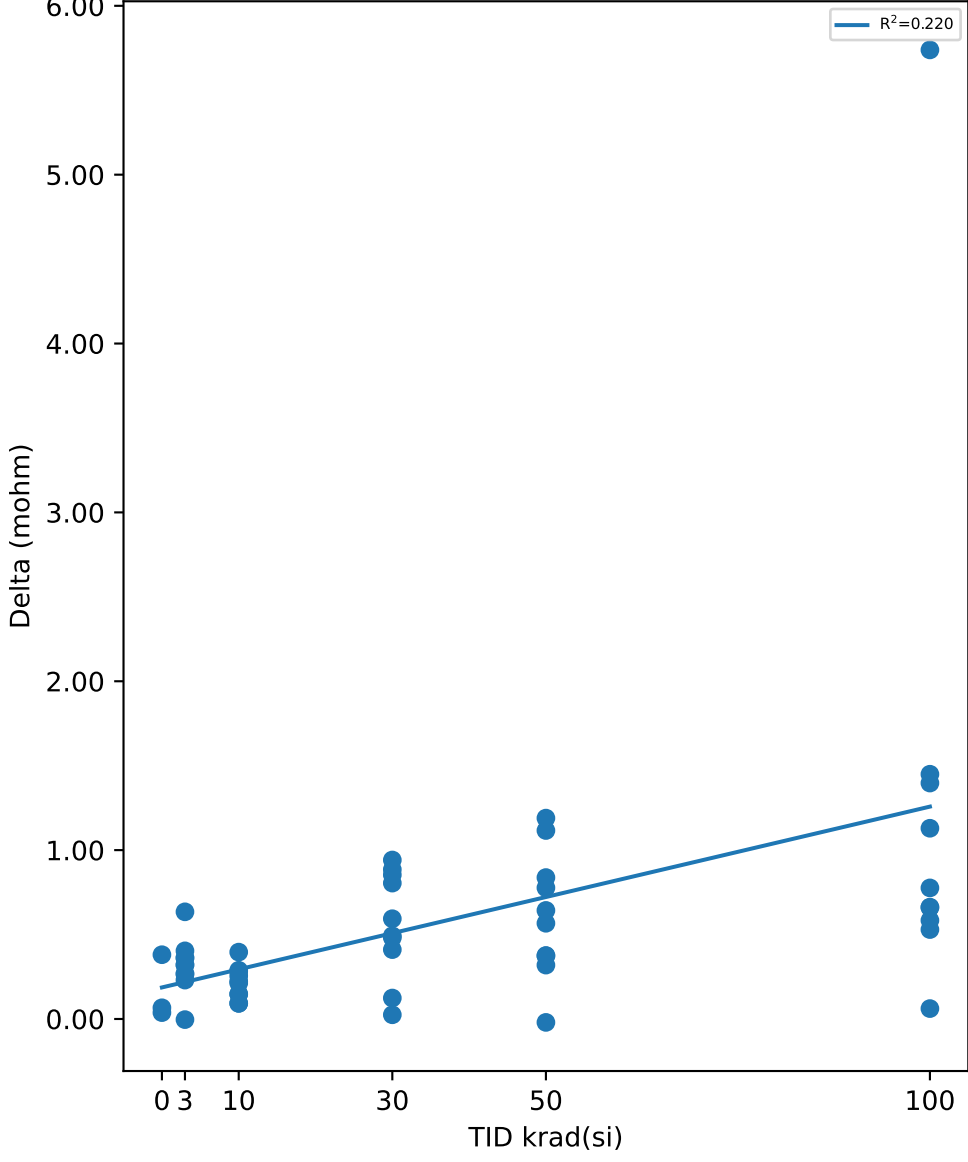
TID vs Result Stats



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

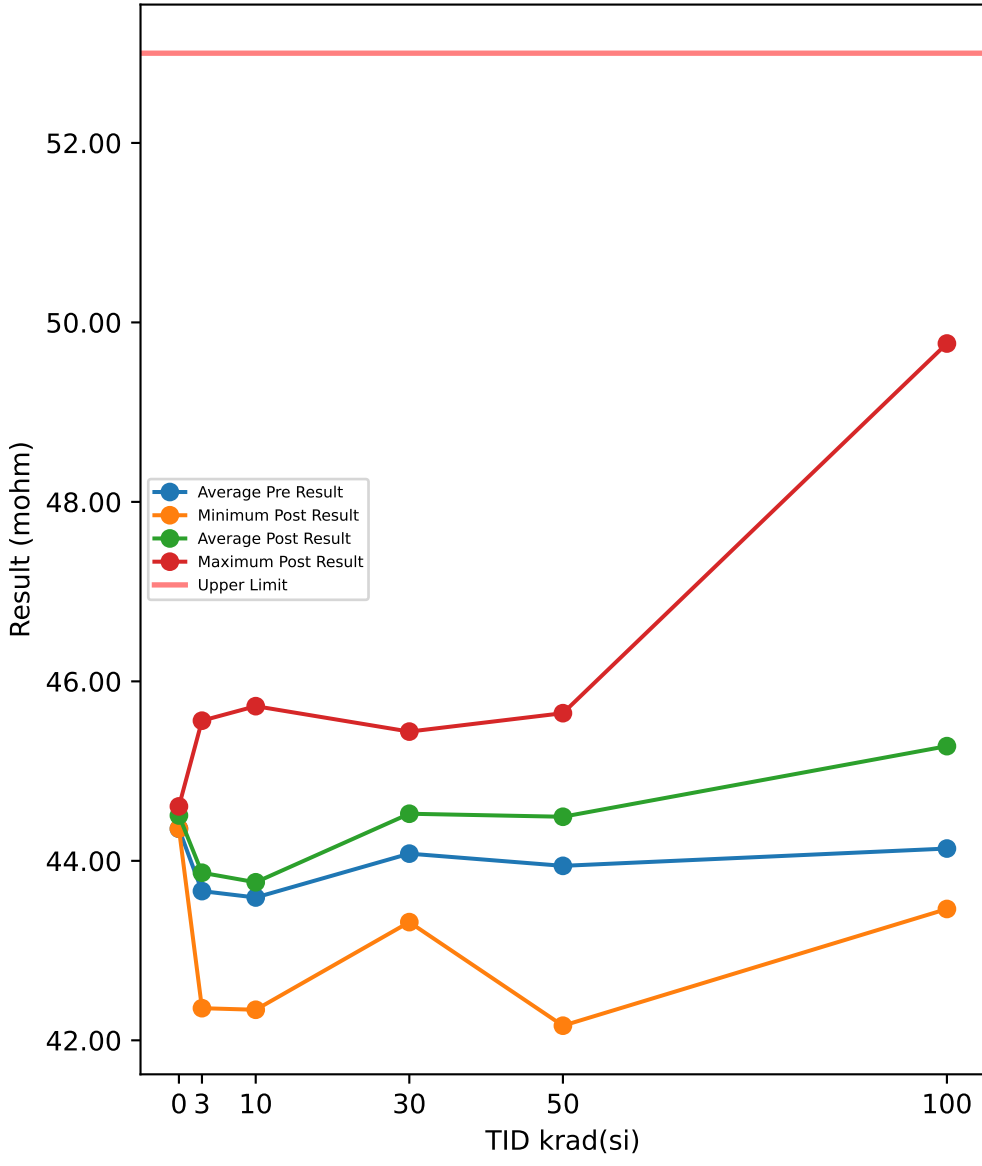
TID vs Post - Pre Exposure Delta



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

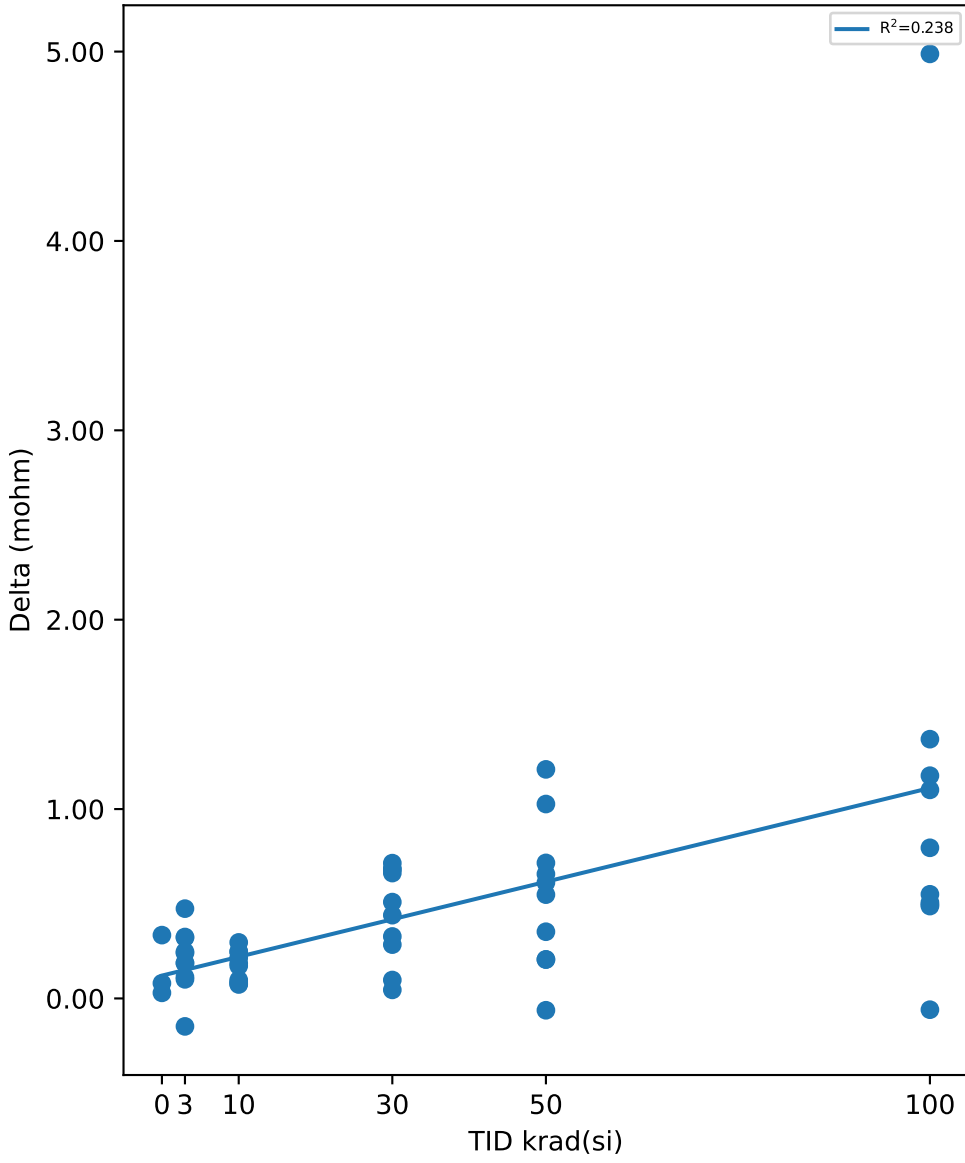
TID vs Result Stats



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

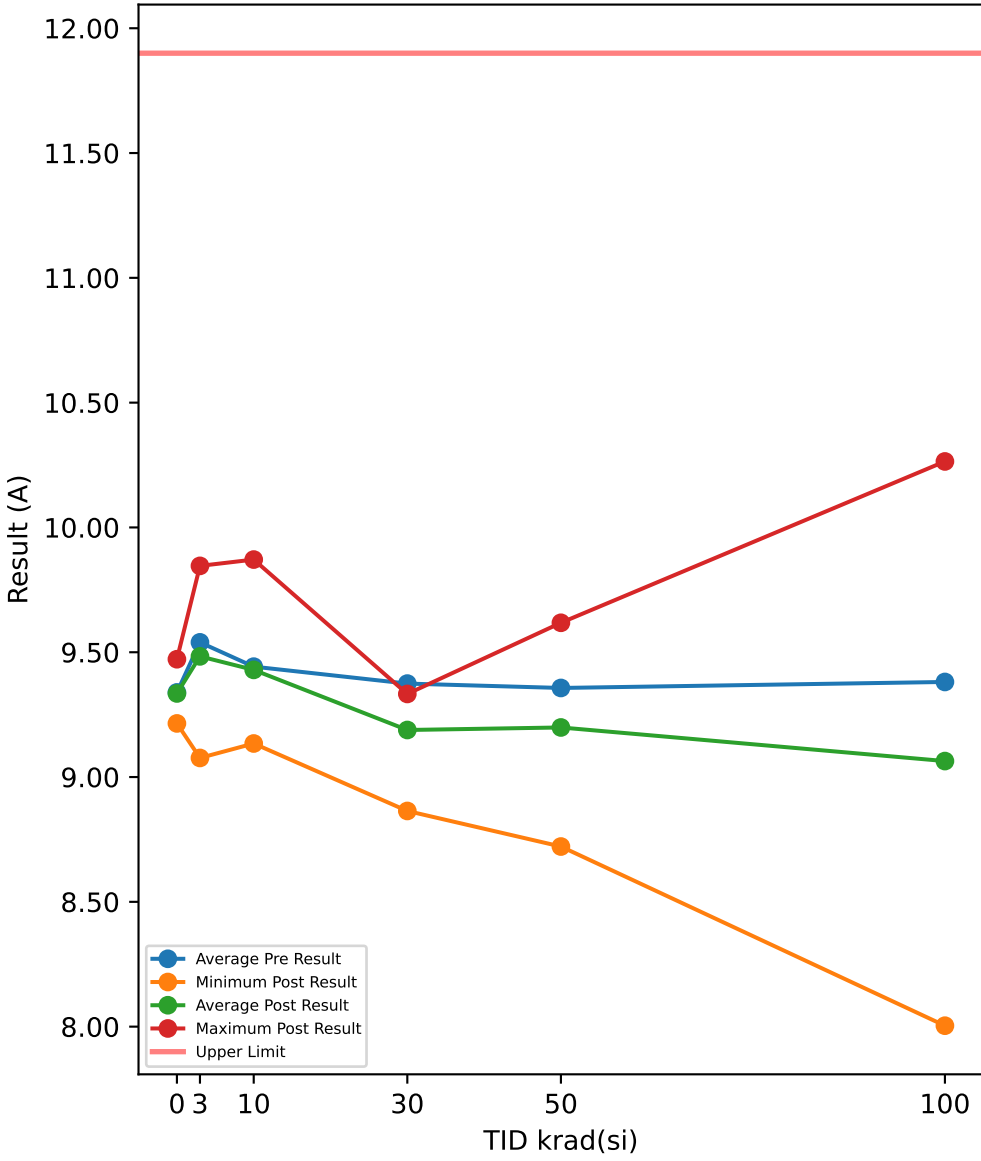
TID vs Post - Pre Exposure Delta



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

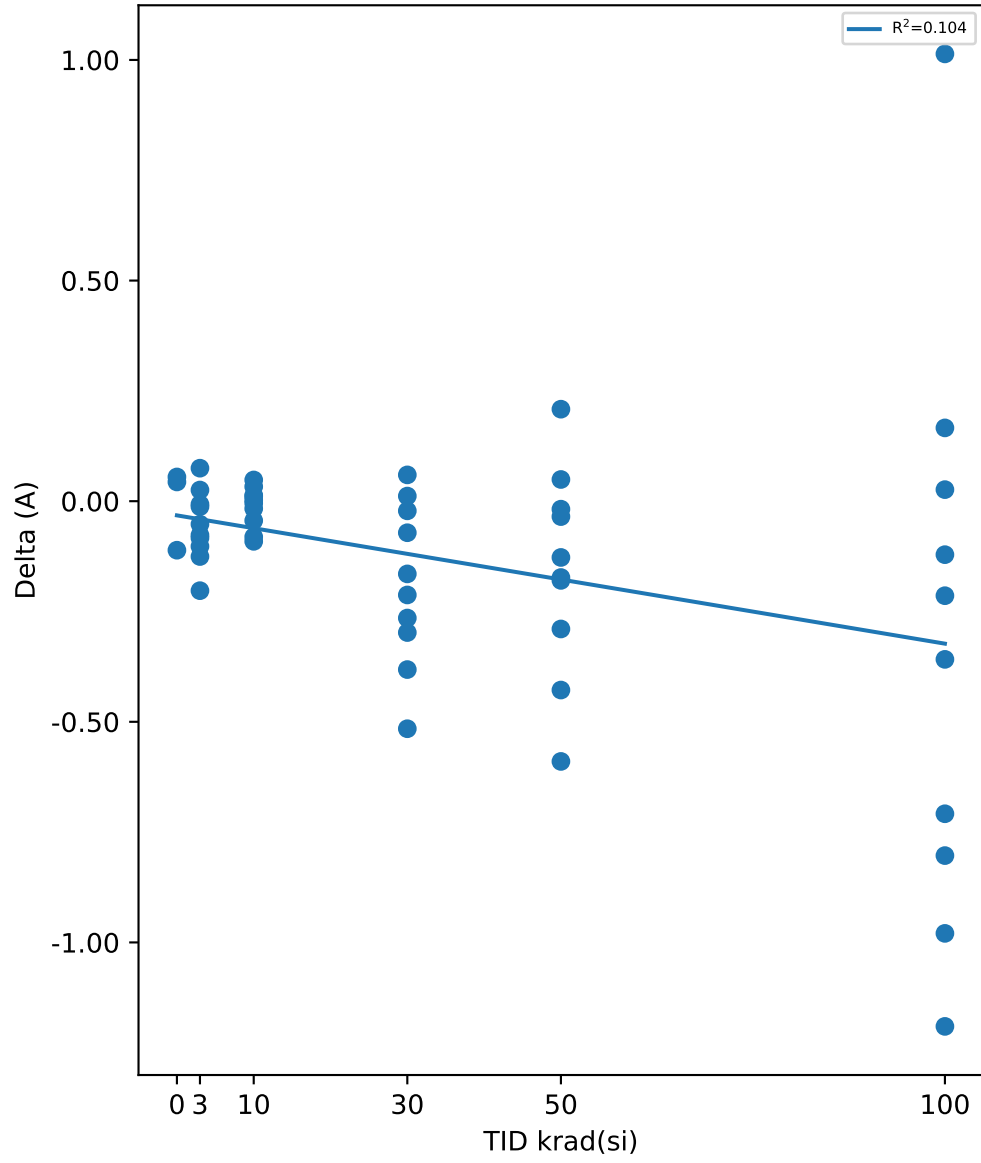
TID vs Result Stats



Test Results (Upper Limit = 11.9 (A))

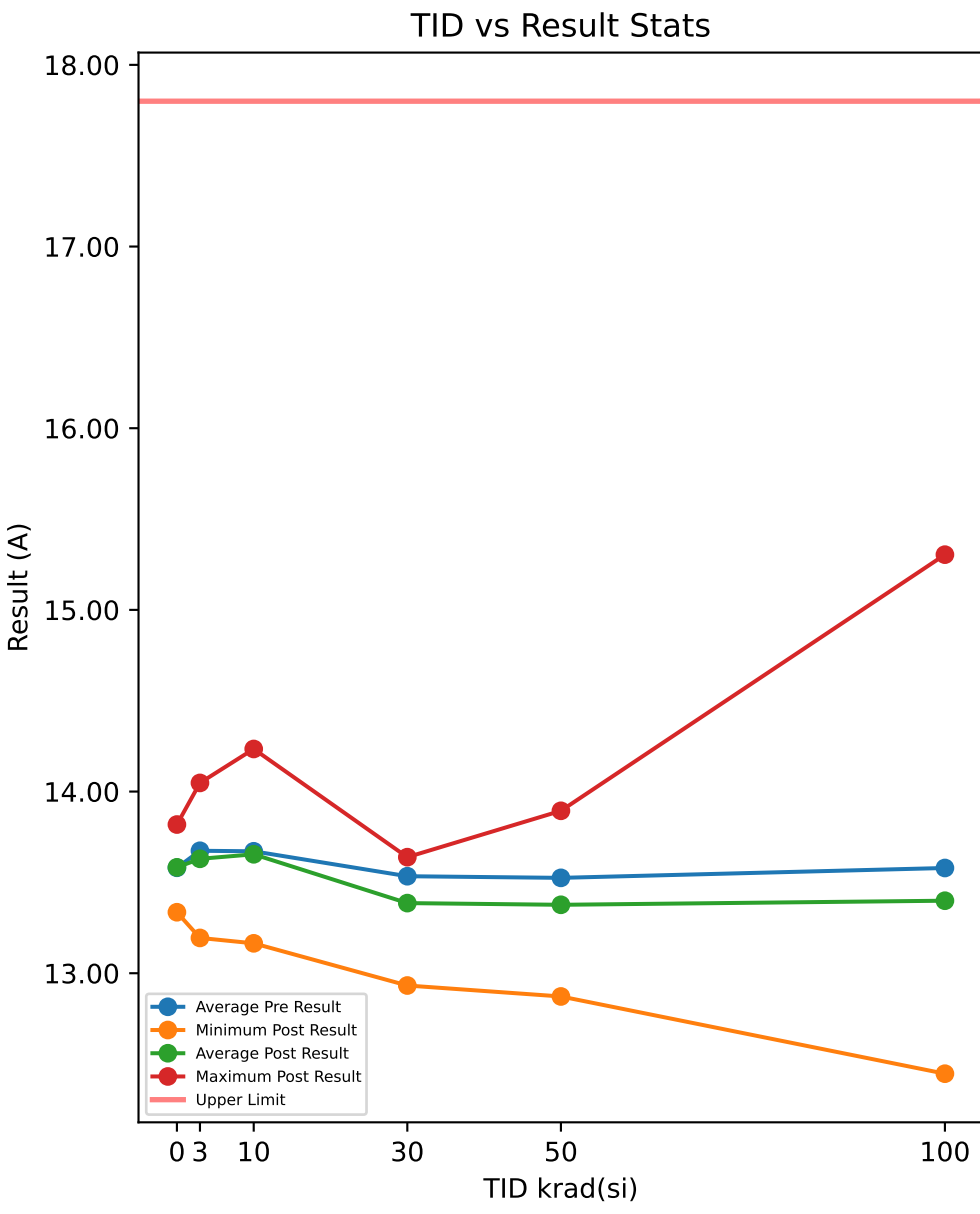
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
390	100	Biased	9.3563	8.9978	-0.3585
392	100	Biased	9.3783	8.3988	-0.9795
393	100	Biased	9.296	8.4928	-0.8032
394	100	Biased	9.1941	8.0038	-1.1903
395	100	Biased	9.4291	8.7207	-0.7084
412	100	Unbiased	9.4143	9.4405	0.0262
413	100	Unbiased	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

TID vs Post - Pre Exposure Delta



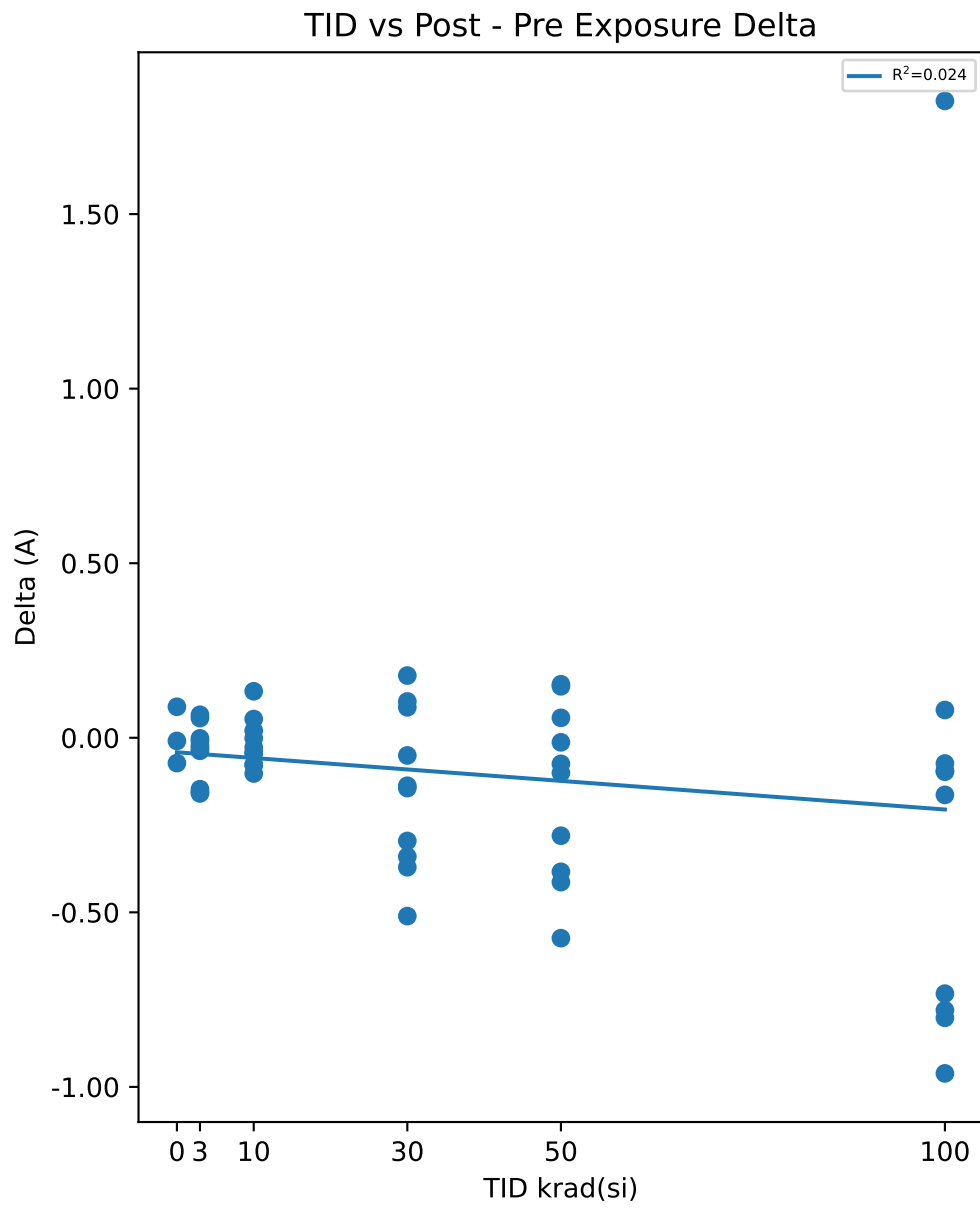
Test Statistics (A)

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	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



Test Results (Upper Limit = 17.8 (A))

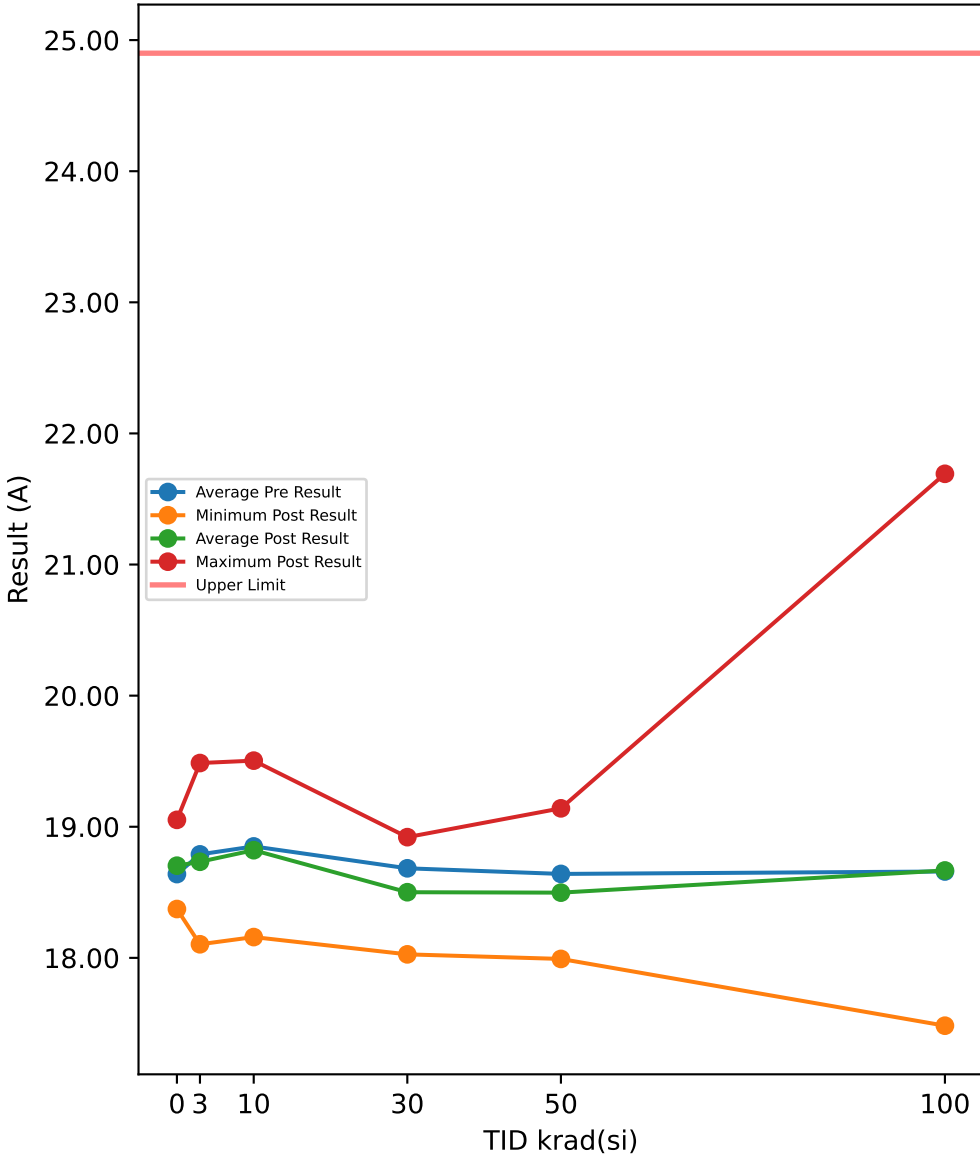
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
390	100	Biased	13.649	13.555	-0.094
392	100	Biased	13.486	12.684	-0.8021
393	100	Biased	13.354	12.621	-0.7329
394	100	Biased	13.408	12.447	-0.9613
395	100	Biased	13.679	12.899	-0.7803
412	100	Unbiased	13.641	13.478	-0.1635
413	100	Unbiased	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

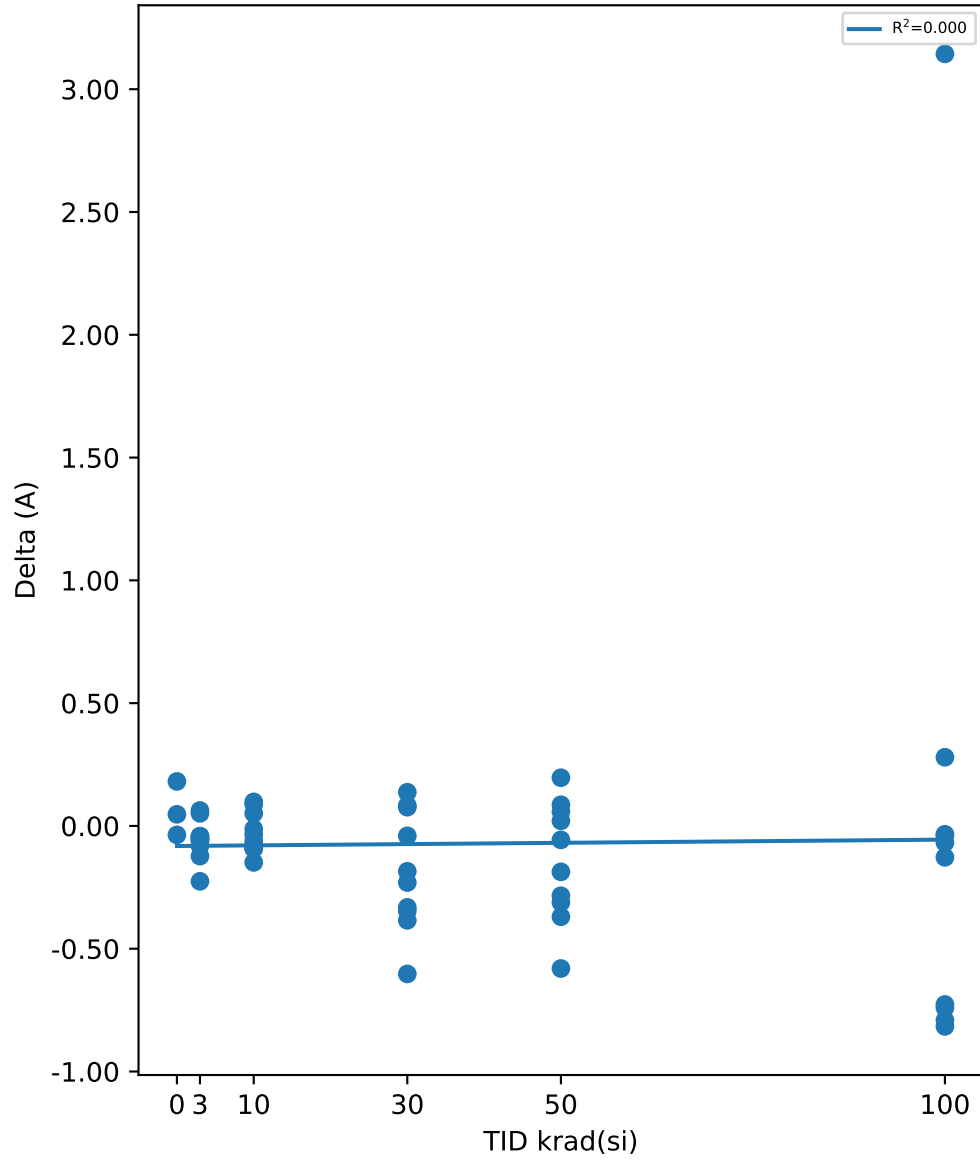
TID vs Result Stats



Test Results (Upper Limit = 24.9 (A))

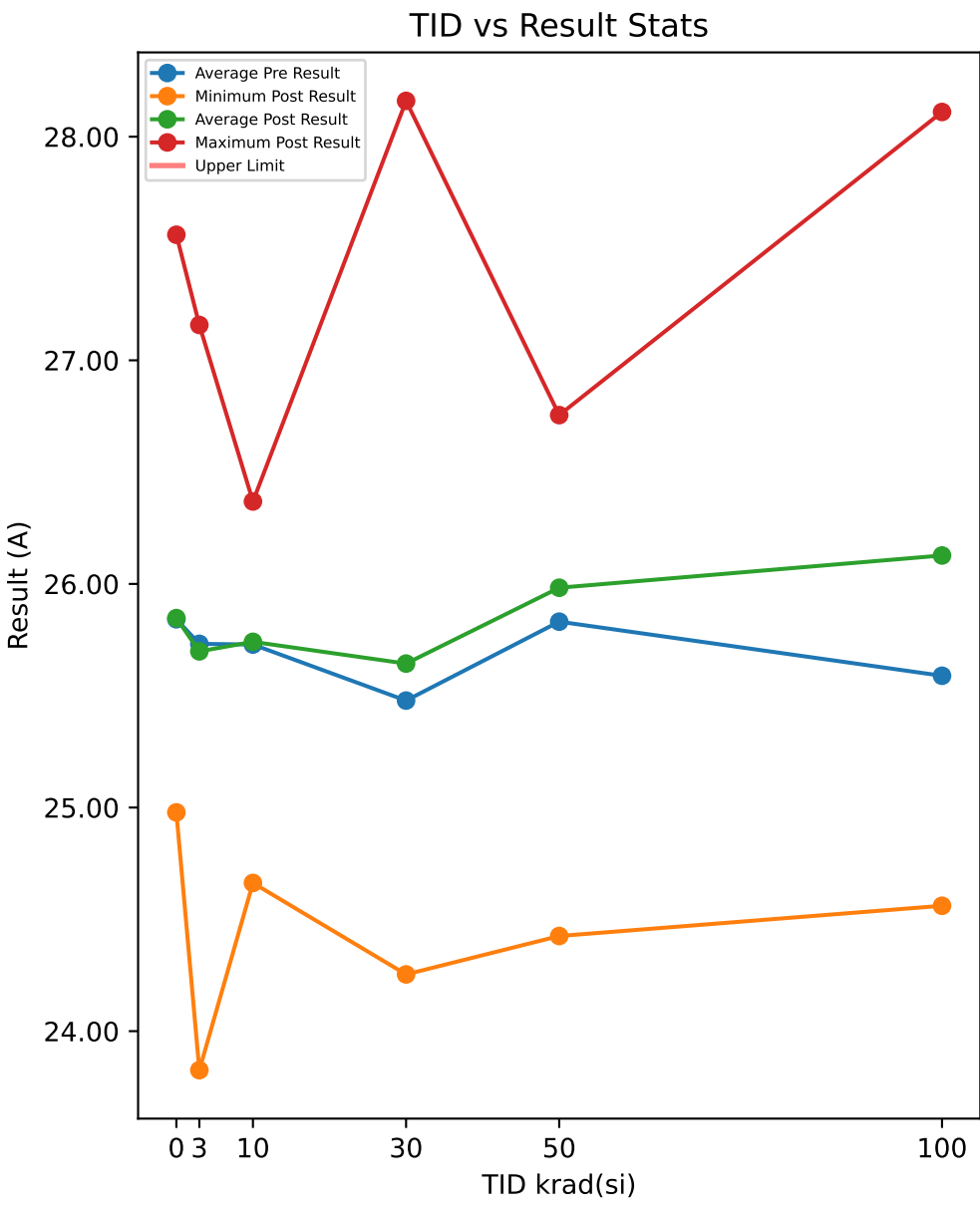
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
390	100	Biased	18.972	18.938	-0.034
392	100	Biased	18.575	17.848	-0.727
393	100	Biased	18.299	17.483	-0.8163
394	100	Biased	18.466	17.675	-0.7912
395	100	Biased	18.714	17.974	-0.7404
412	100	Unbiased	18.763	18.695	-0.0679
413	100	Unbiased	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

TID vs Post - Pre Exposure Delta



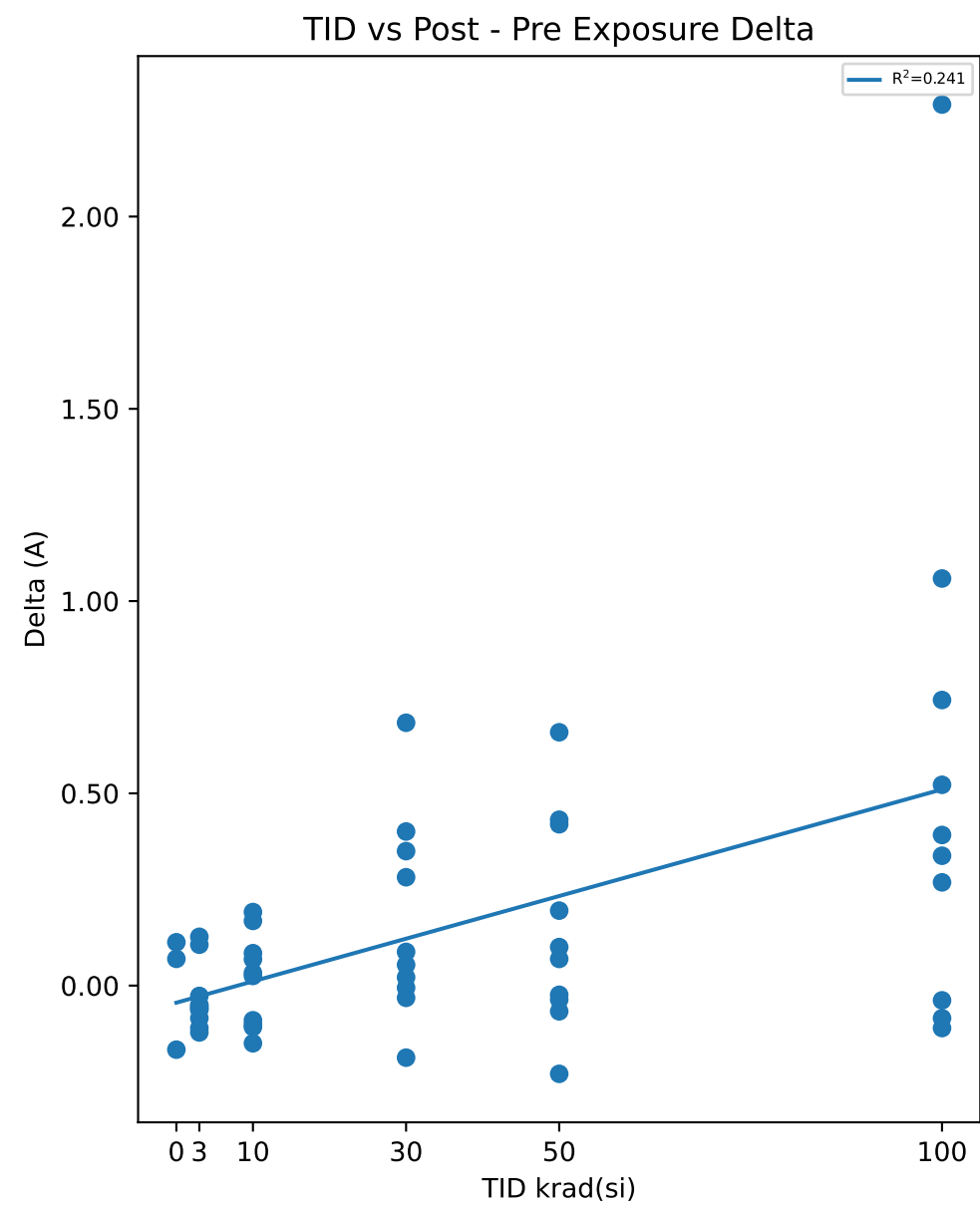
Test Statistics (A)

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	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



Test Results (No Limits Specified (A))

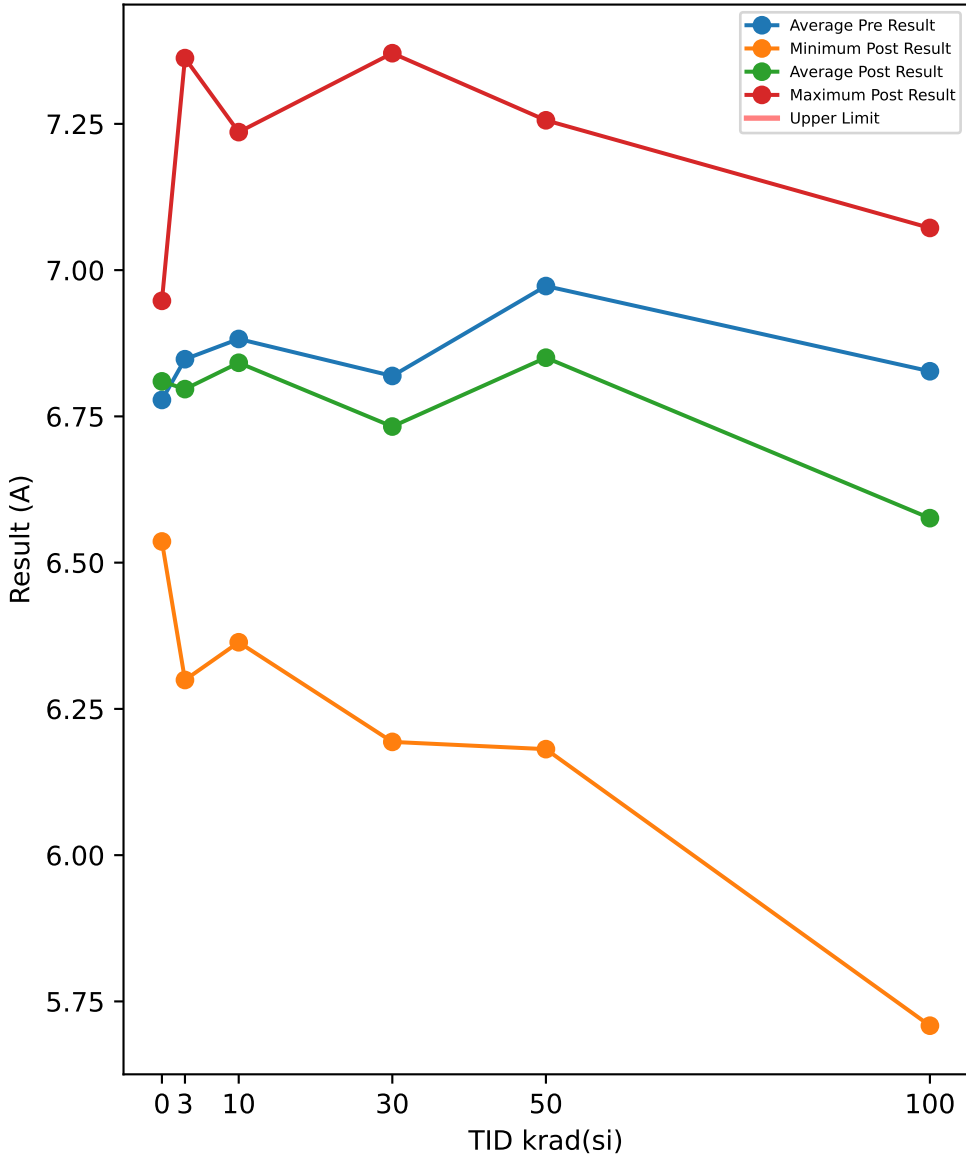
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
390	100	Biased	27.368	28.11	0.7427
392	100	Biased	27.07	27.462	0.3917
393	100	Biased	25.788	26.846	1.0587
394	100	Biased	25.068	25.03	-0.0384
395	100	Biased	25.368	25.89	0.5222
412	100	Unbiased	25.232	25.501	0.2685
413	100	Unbiased	25.758	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

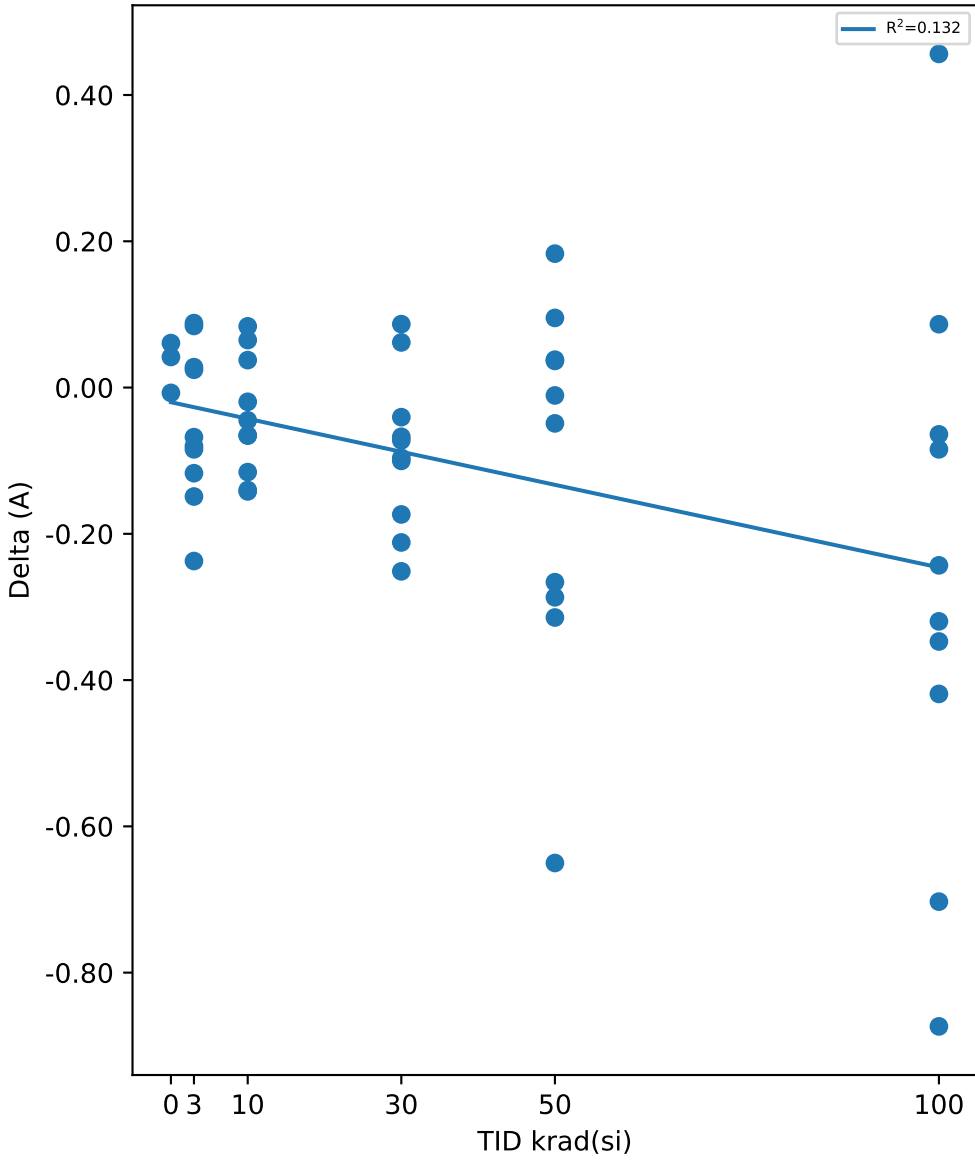
TID vs Result Stats



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

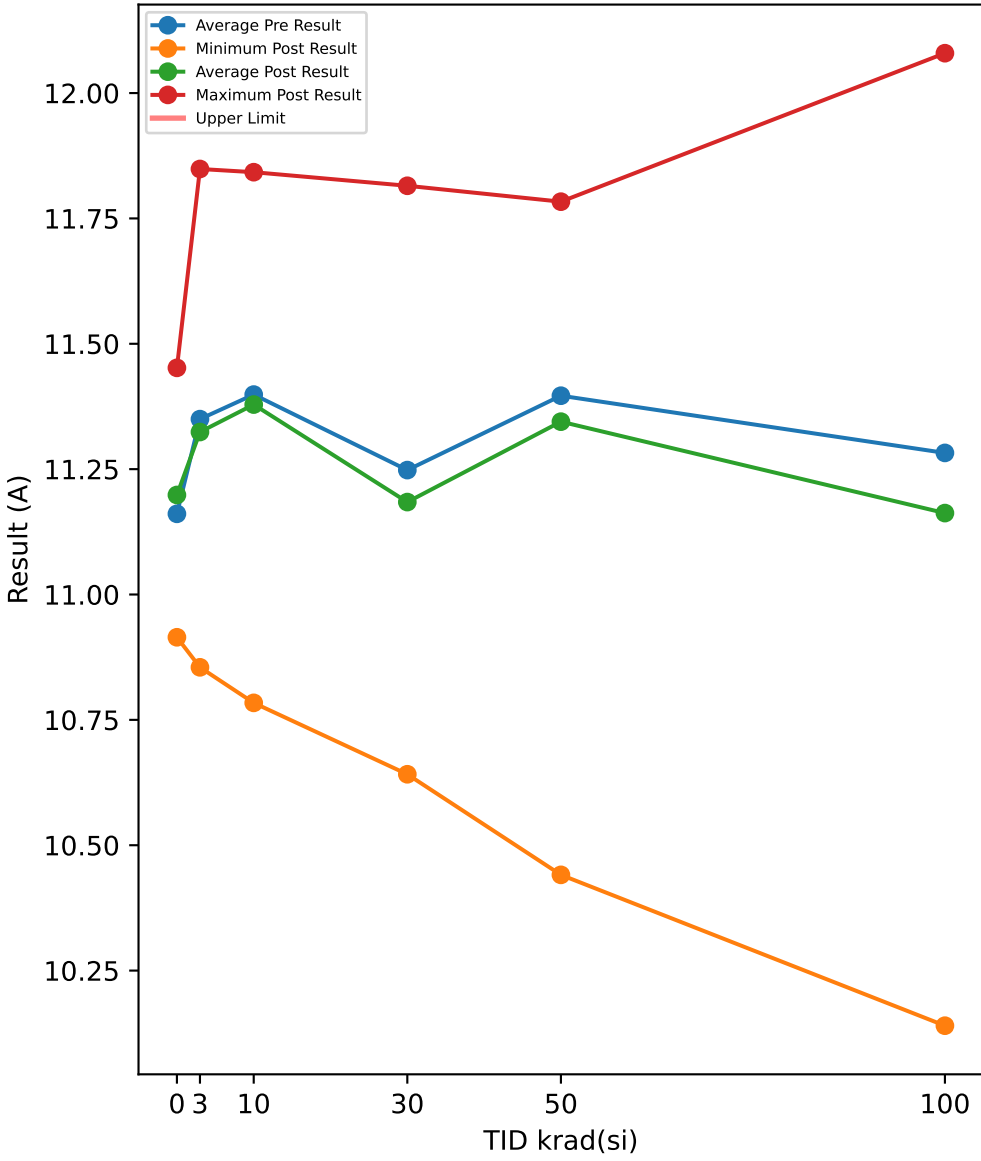
TID vs Post - Pre Exposure Delta



Test Statistics (A)

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	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

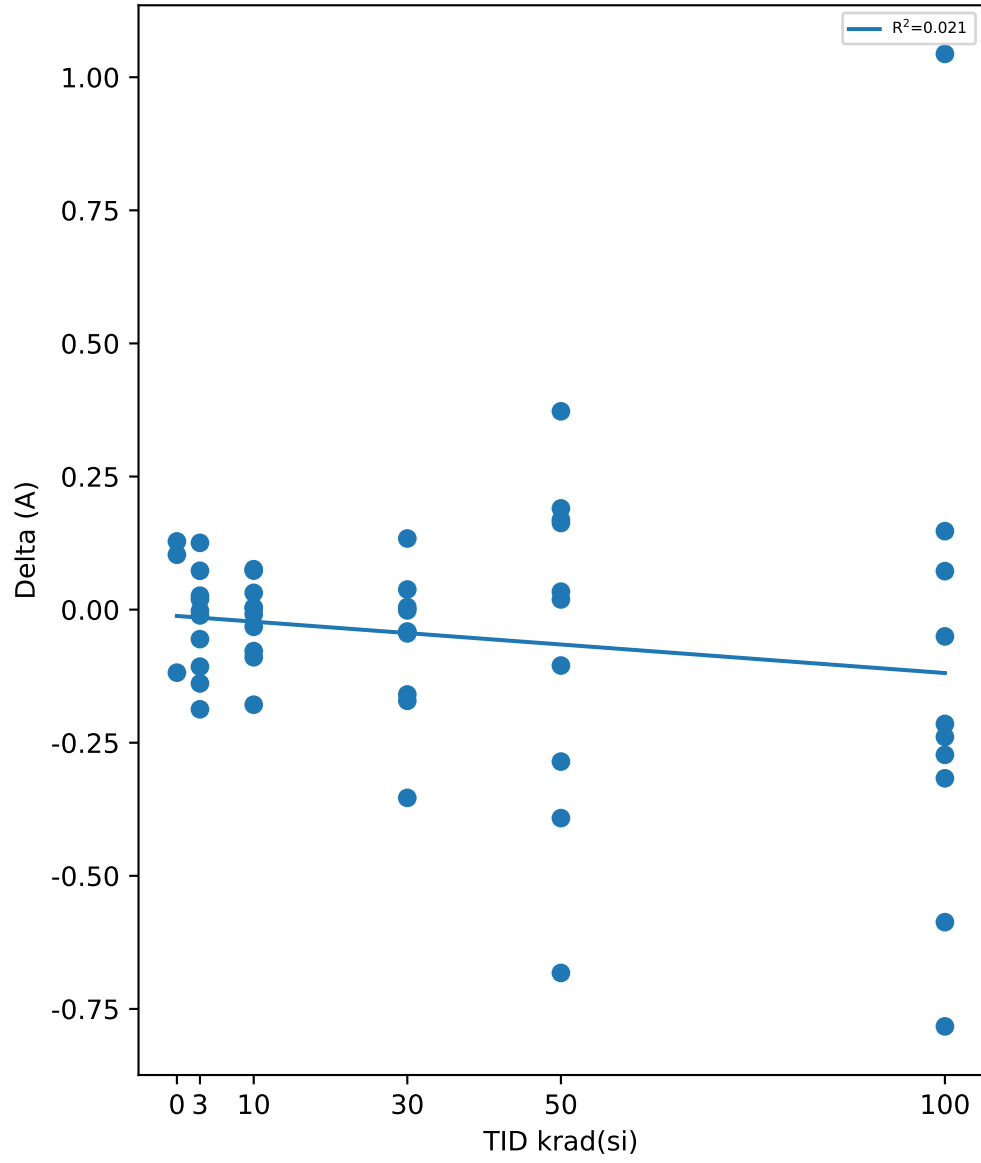
TID vs Result Stats



Test Results (No Limits Specified (A))

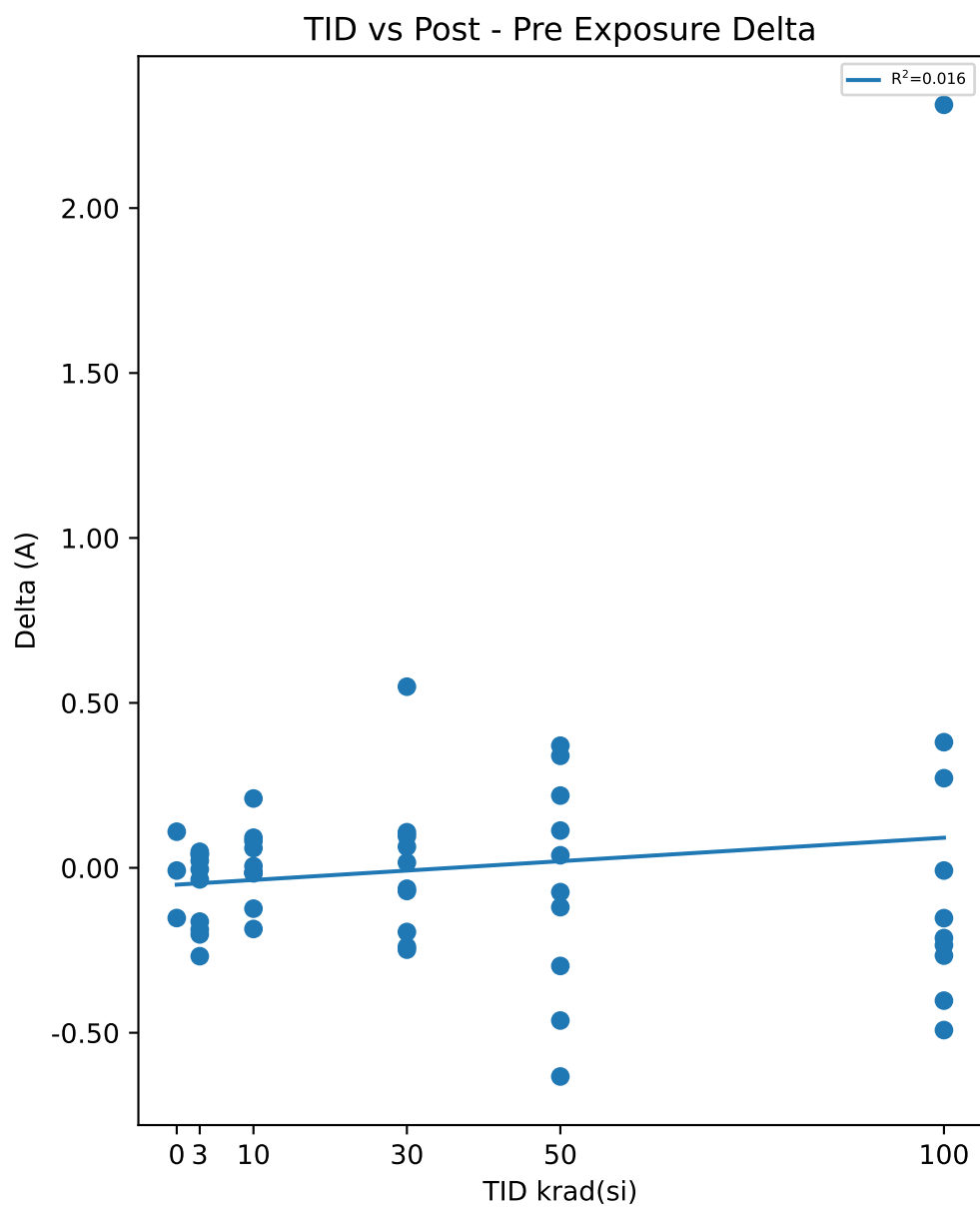
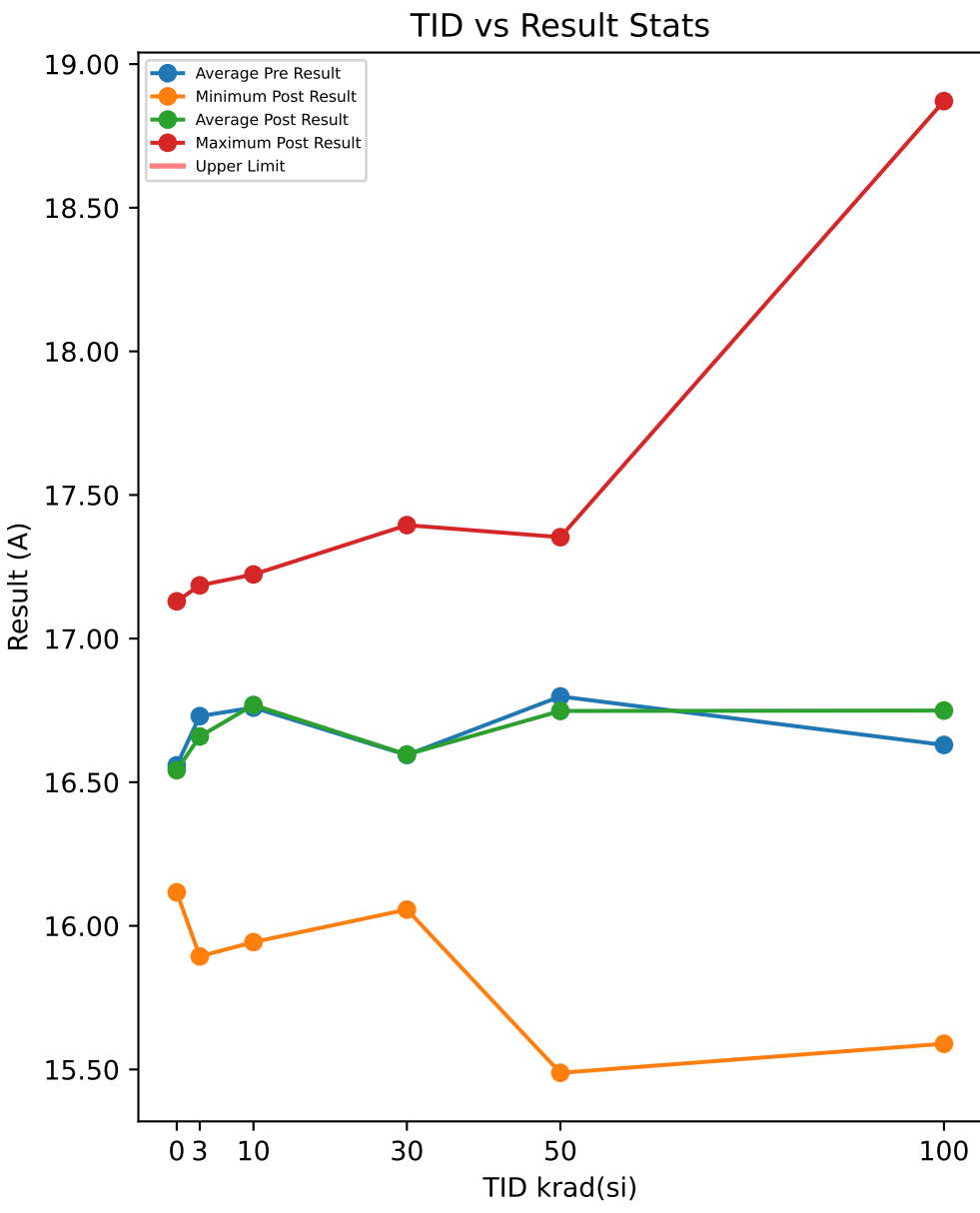
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
390	100	Biased	11.741	11.813	0.0723
392	100	Biased	11.696	11.109	-0.587
393	100	Biased	11.328	11.476	0.1474
394	100	Biased	10.923	10.14	-0.7828
395	100	Biased	11.055	10.782	-0.2727
412	100	Unbiased	11.015	10.965	-0.0503
413	100	Unbiased	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

TID vs Post - Pre Exposure Delta



Test Statistics (A)

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	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



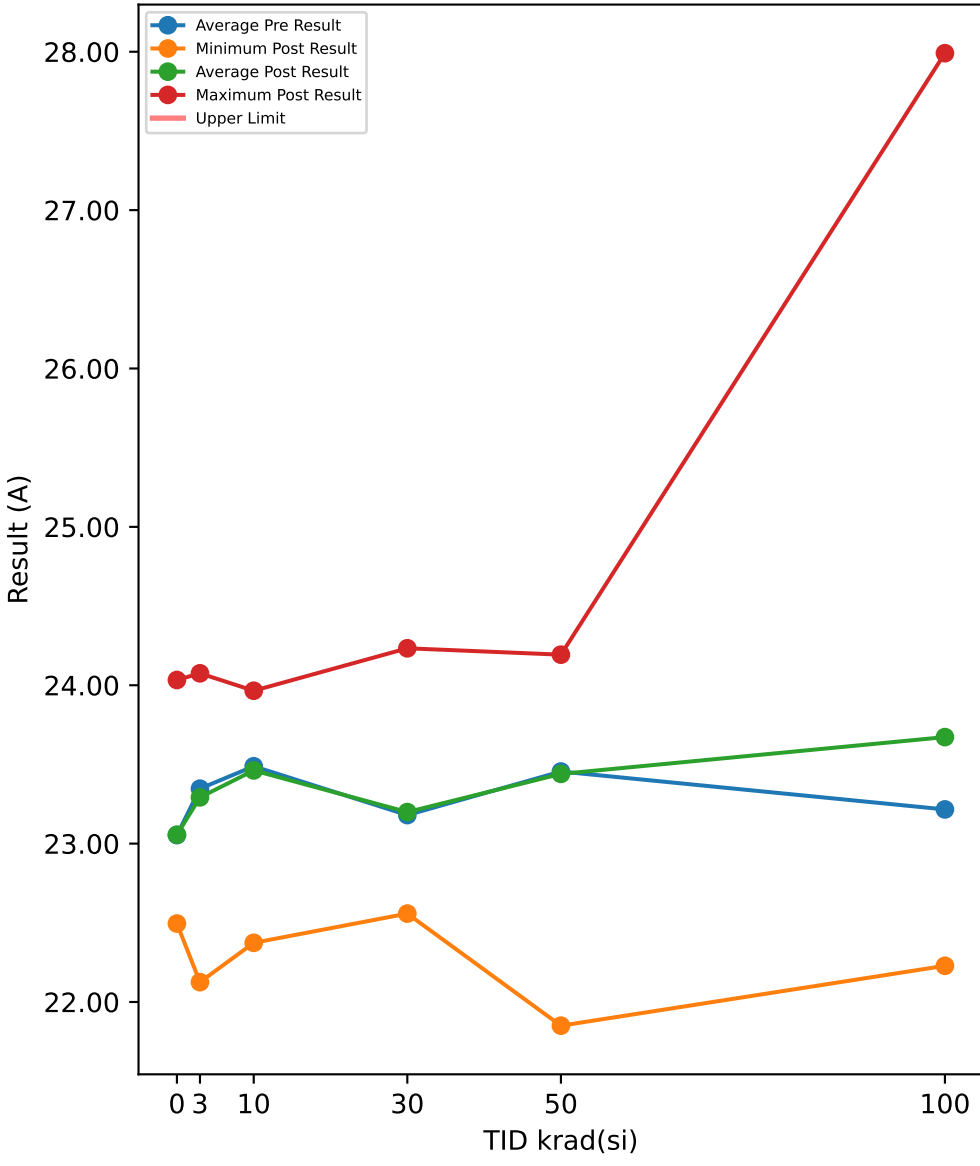
Test Results (No Limits Specified (A))

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

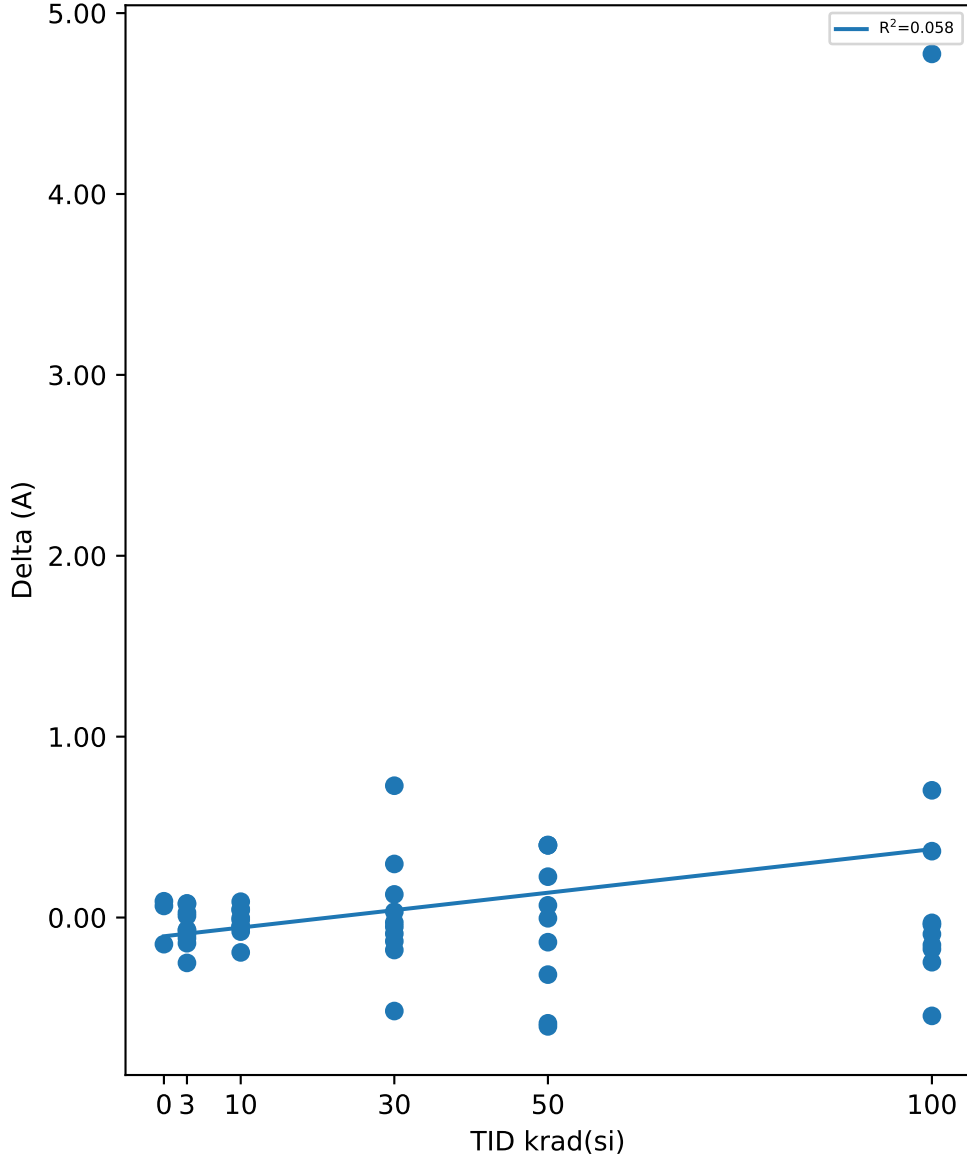
TID vs Result Stats



Test Results (No Limits Specified (A))

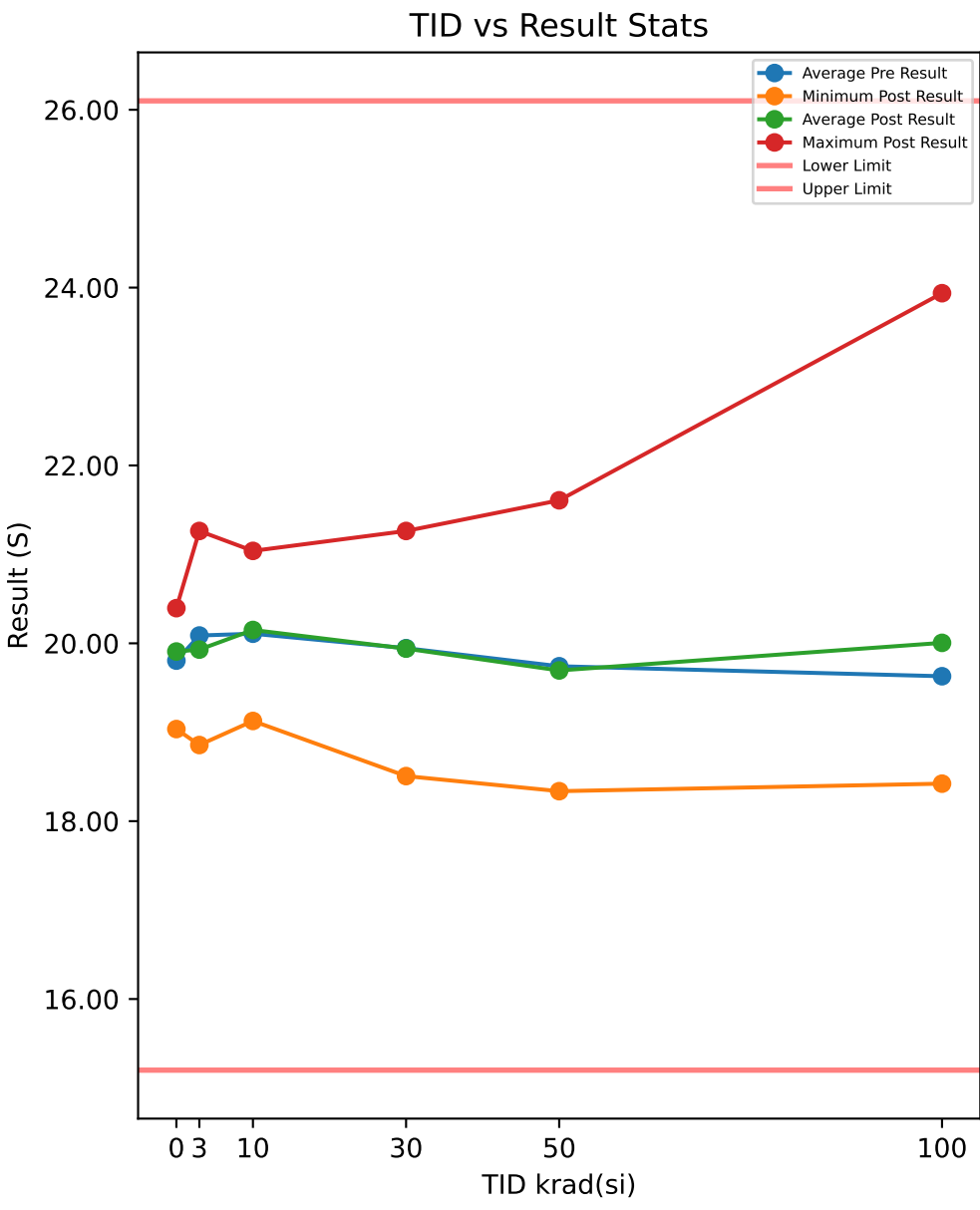
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
390	100	Biased	24.257	24.96	0.7033
392	100	Biased	23.91	23.758	-0.152
393	100	Biased	23.491	23.858	0.3669
394	100	Biased	22.476	22.229	-0.247
395	100	Biased	23.076	22.533	-0.5437
412	100	Unbiased	22.634	22.542	-0.0918
413	100	Unbiased	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

TID vs Post - Pre Exposure Delta



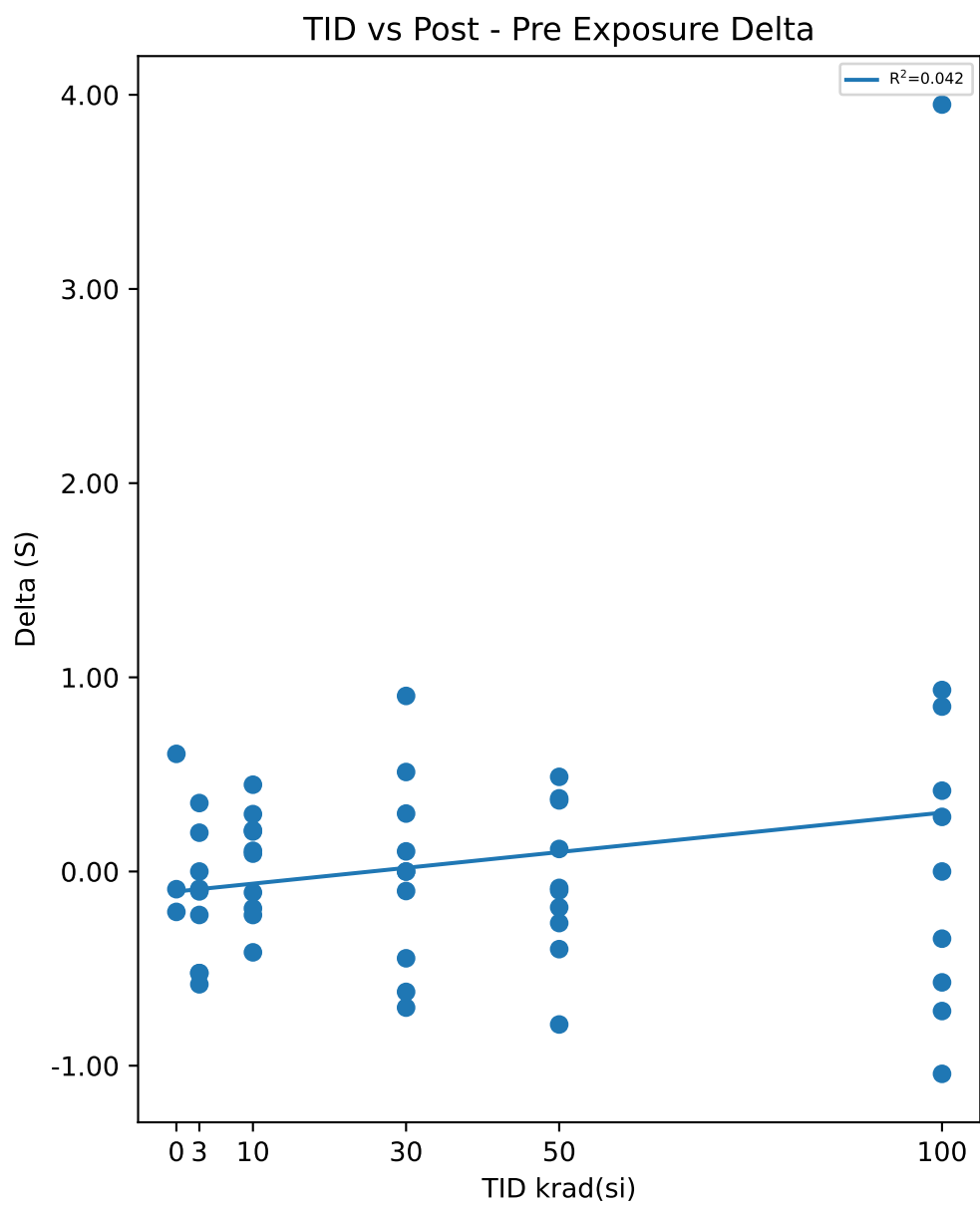
Test Statistics (A)

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	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



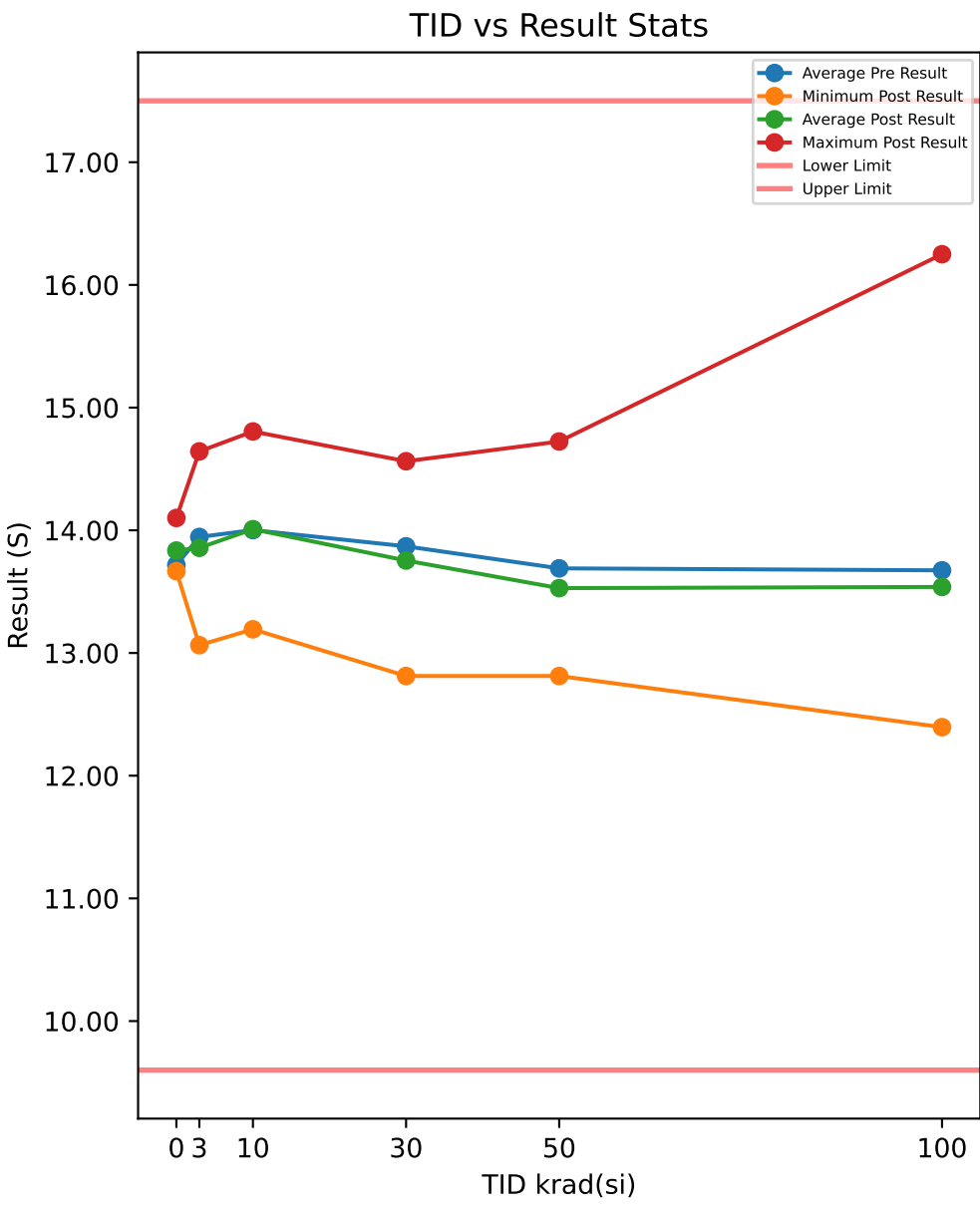
Test Results (Lower Limit = 15.2, Upper Limit = 26.1 (S))

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



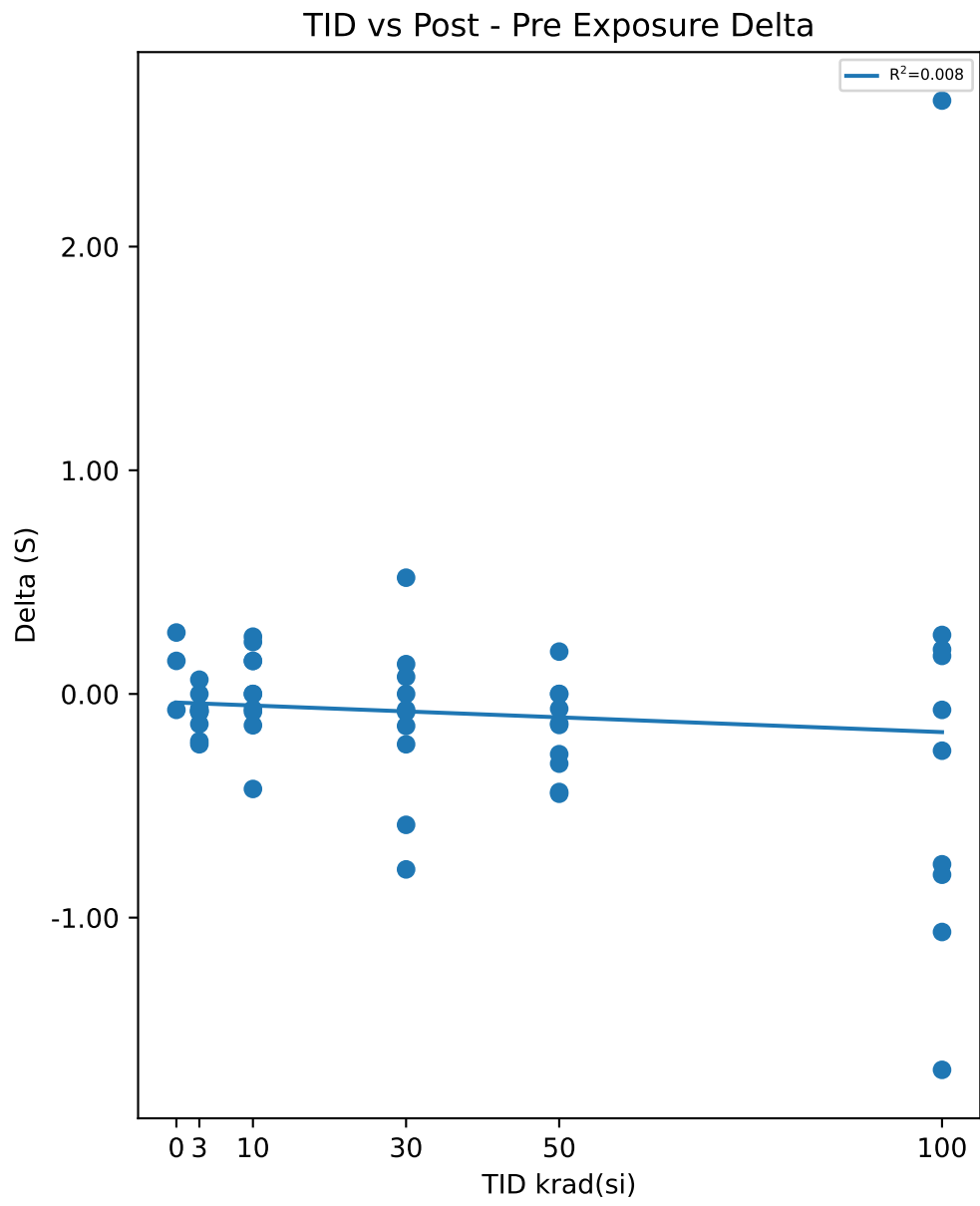
Test Statistics (S)

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



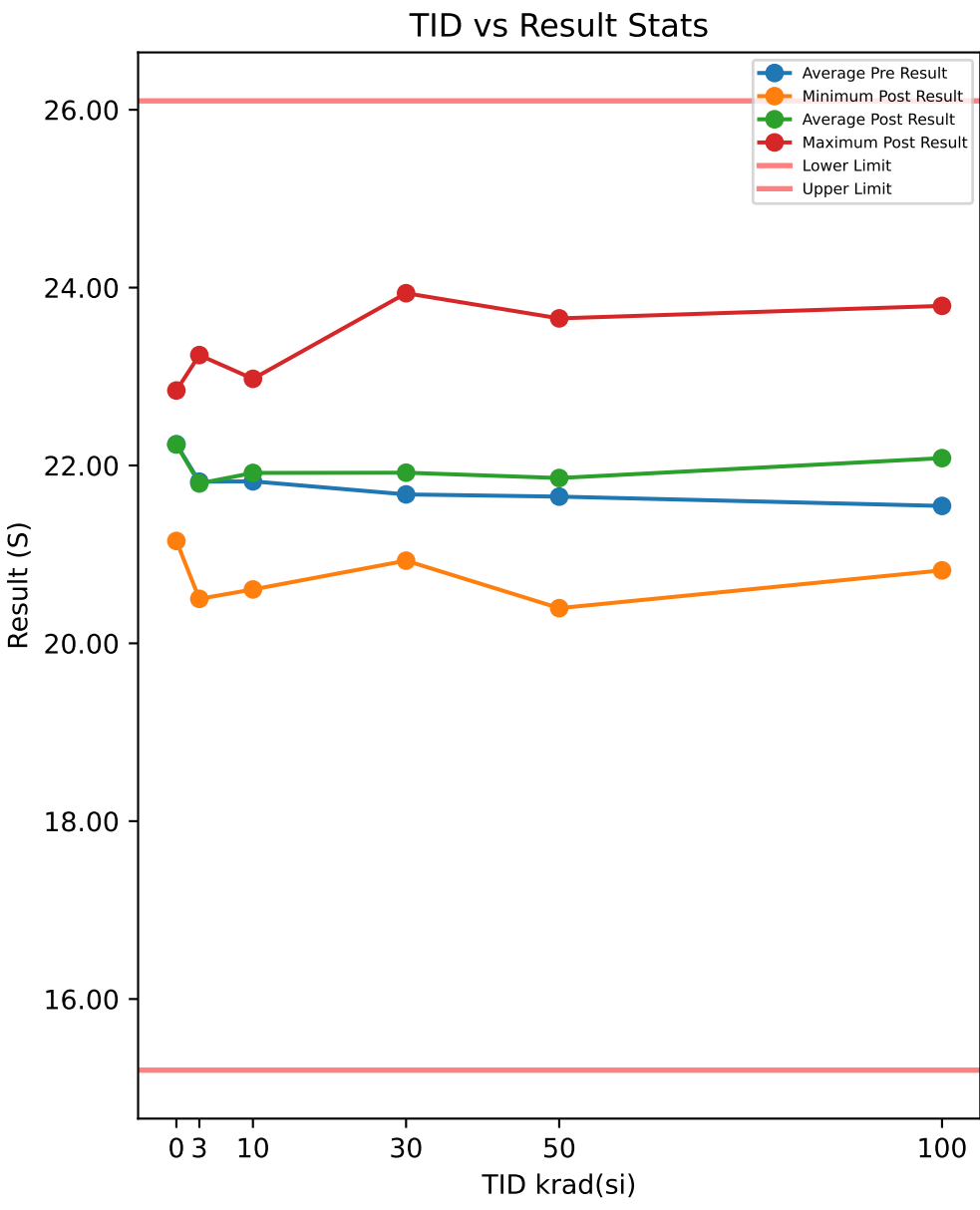
Test Results (Lower Limit = 9.6, Upper Limit = 17.5 (S))

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



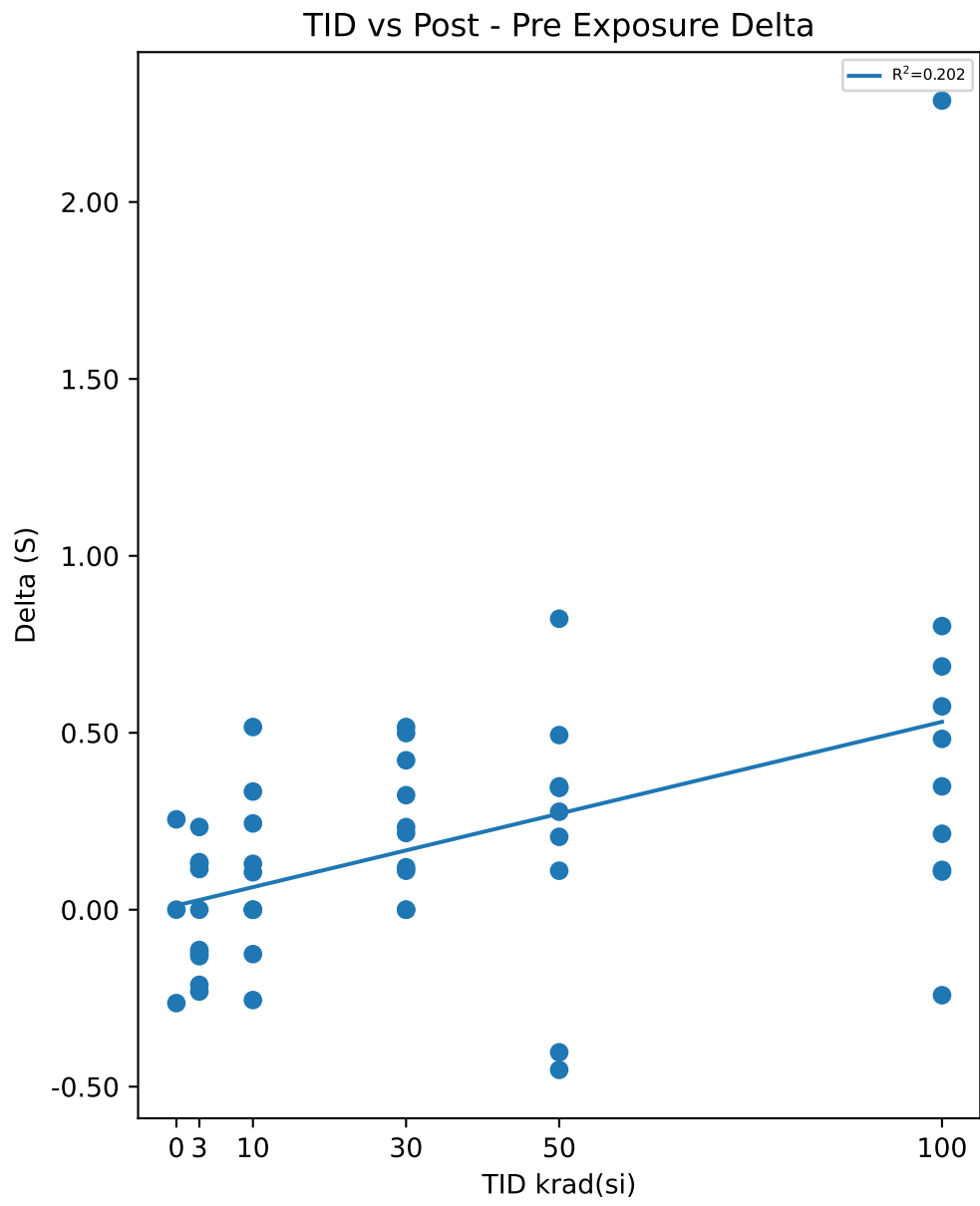
Test Statistics (S)

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



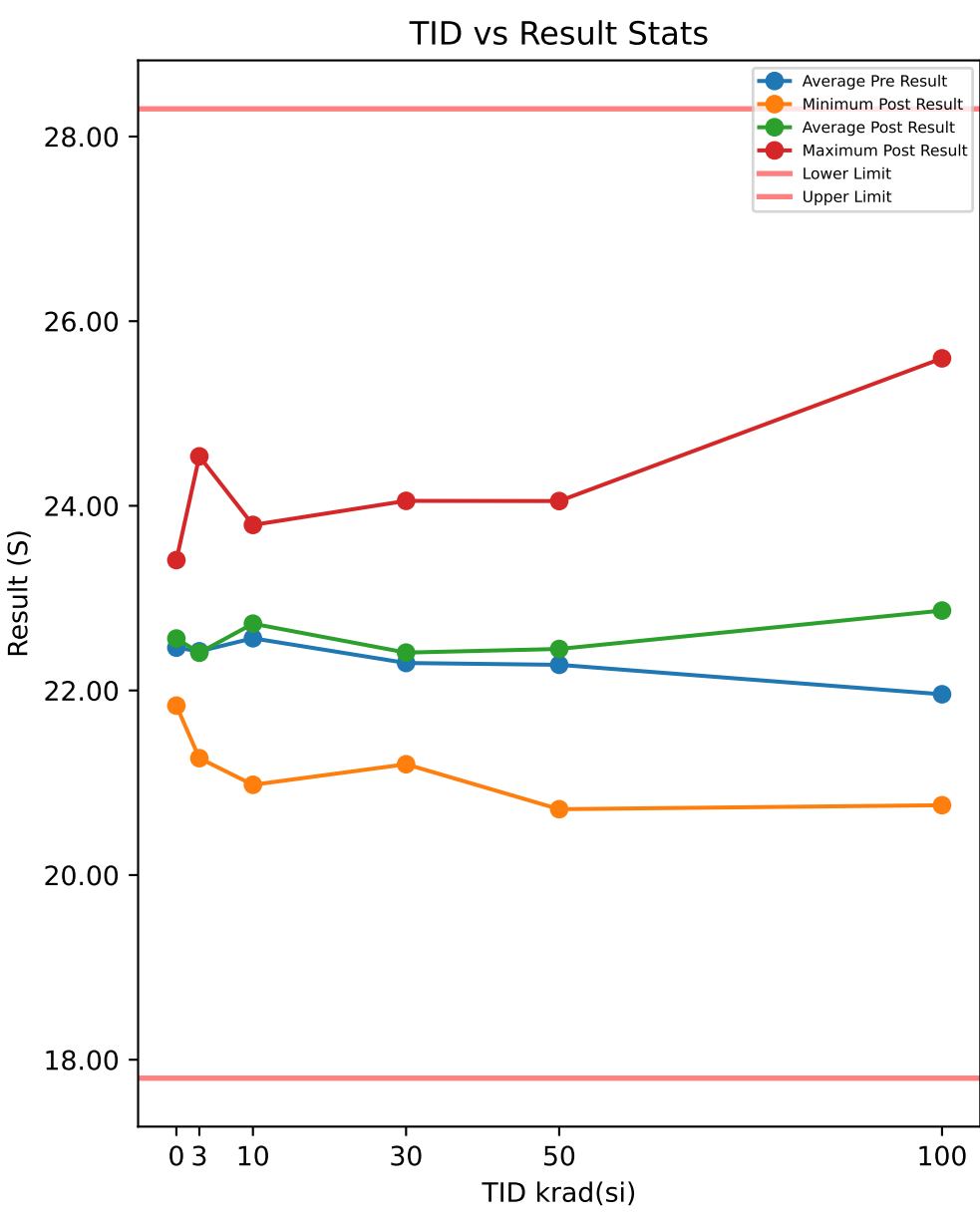
Test Results (Lower Limit = 15.2, Upper Limit = 26.1 (S))

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



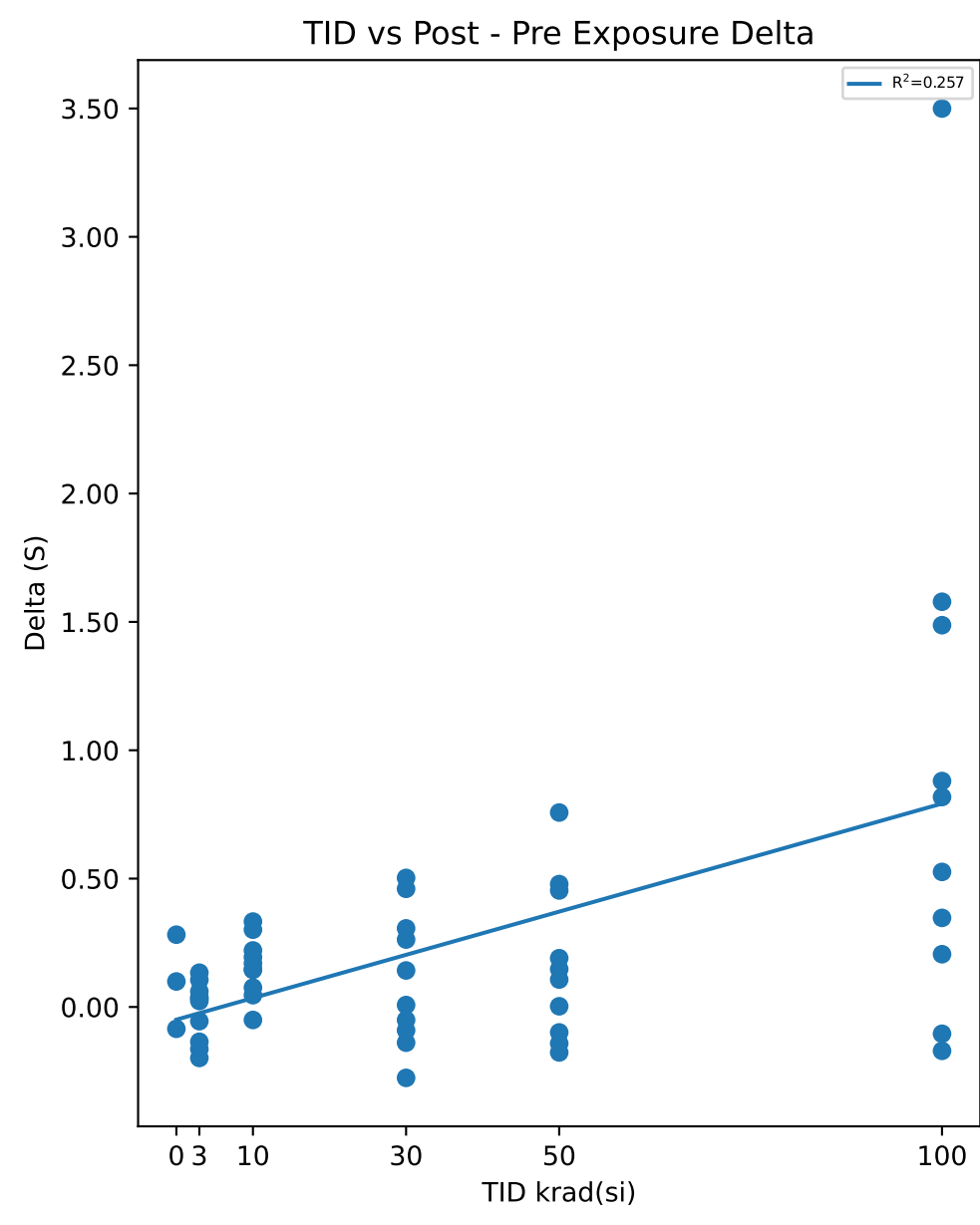
Test Statistics (S)

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



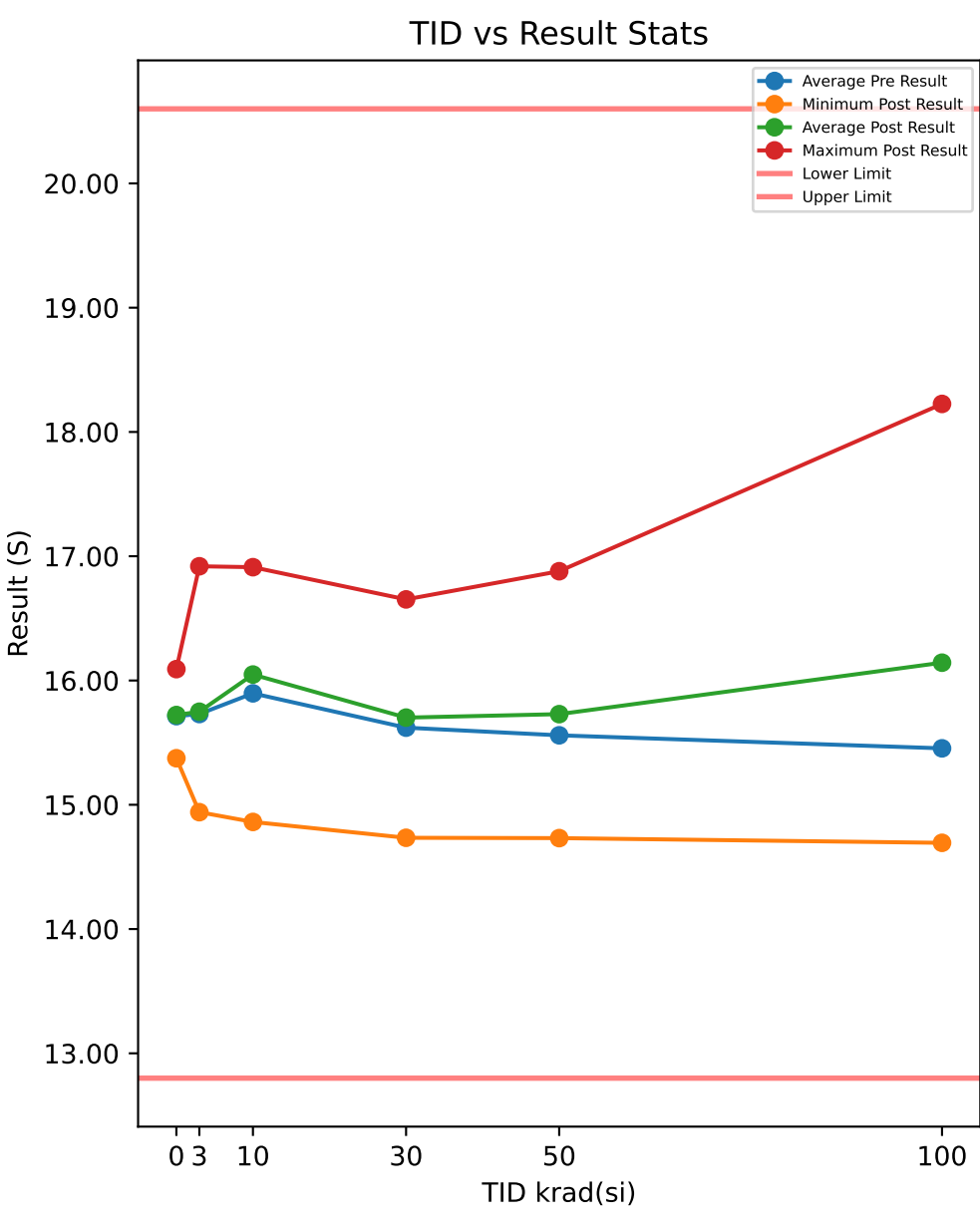
Test Results (Lower Limit = 17.8, Upper Limit = 28.3 (S))

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



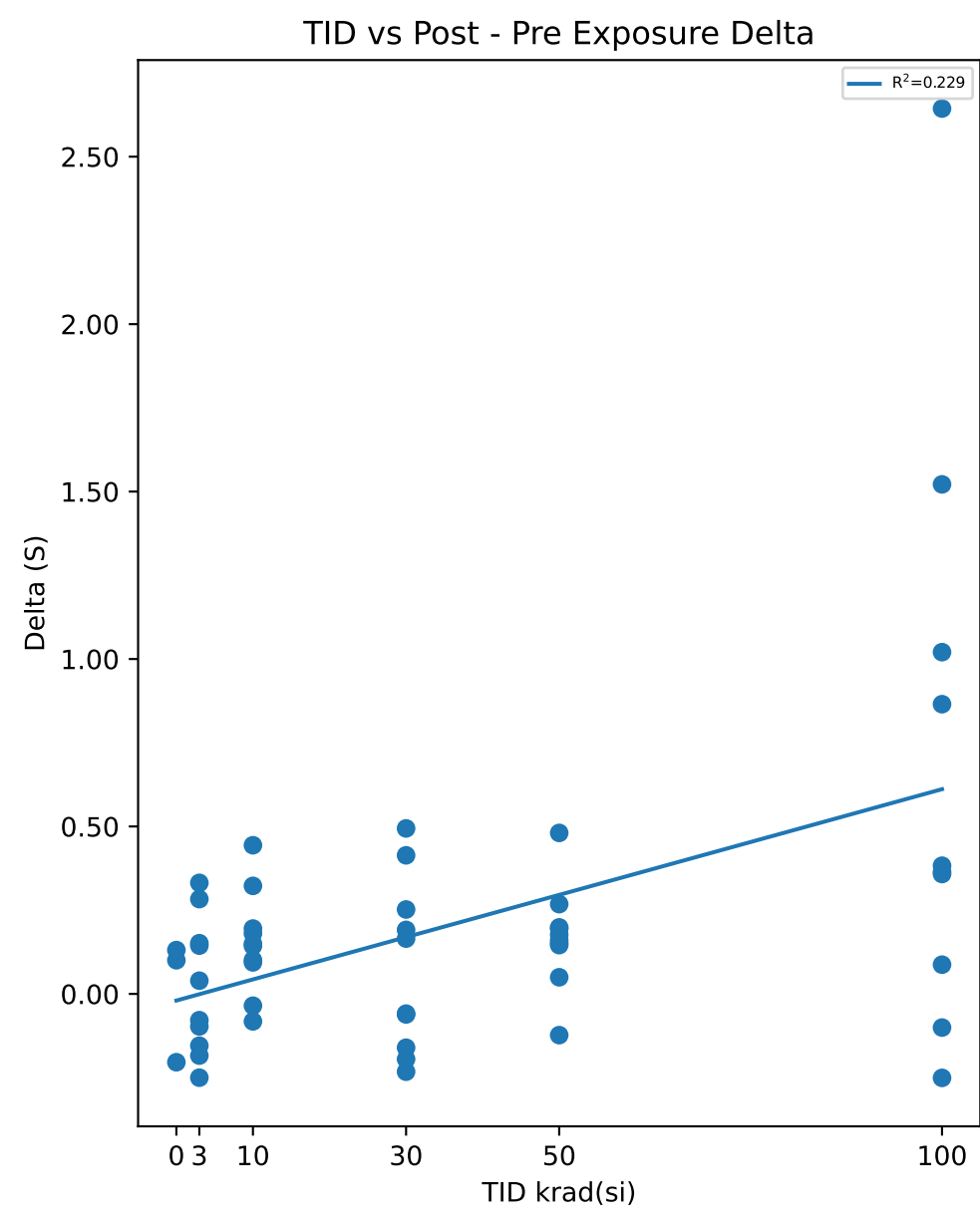
Test Statistics (S)

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



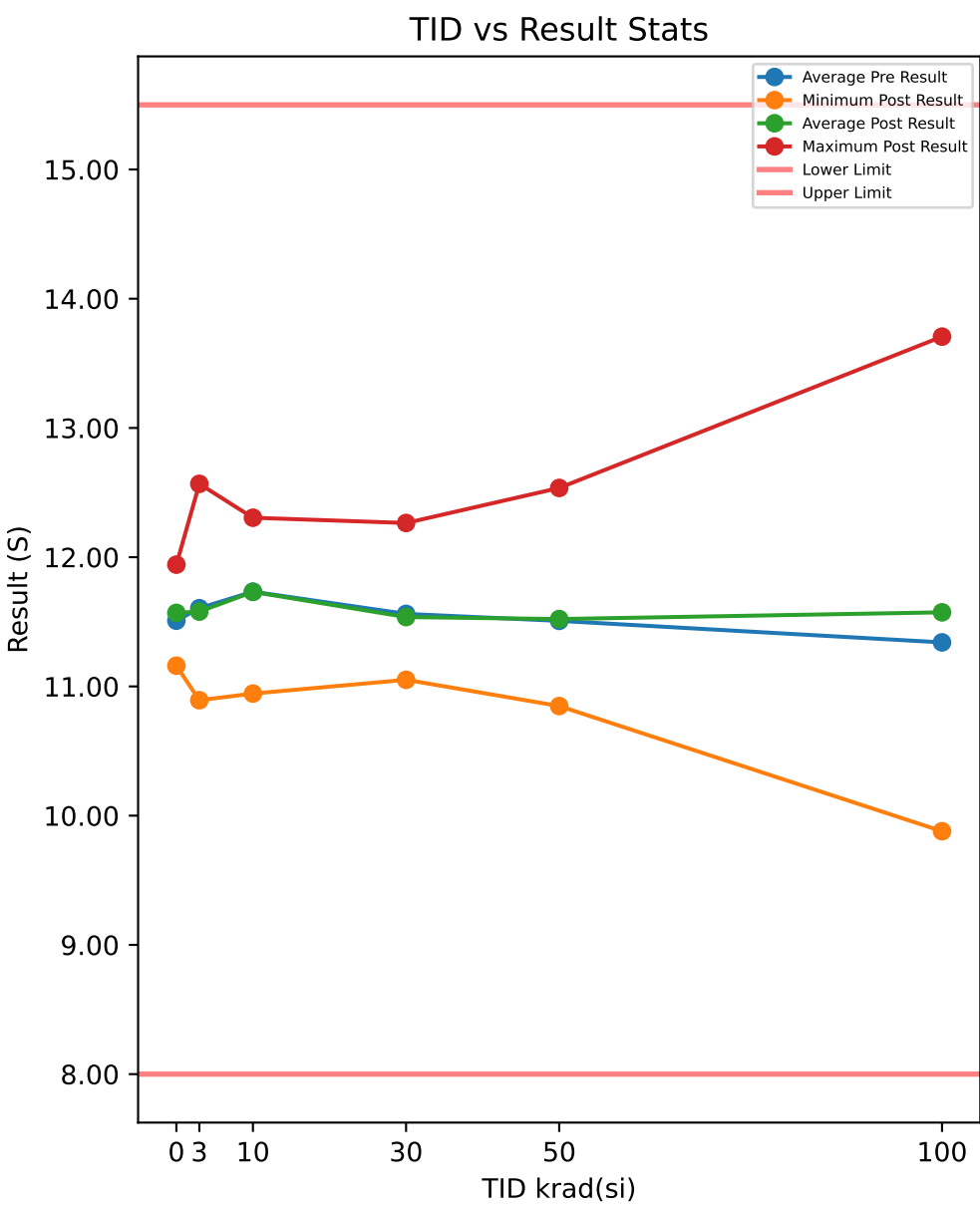
Test Results (Lower Limit = 12.8, Upper Limit = 20.6 (S))

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



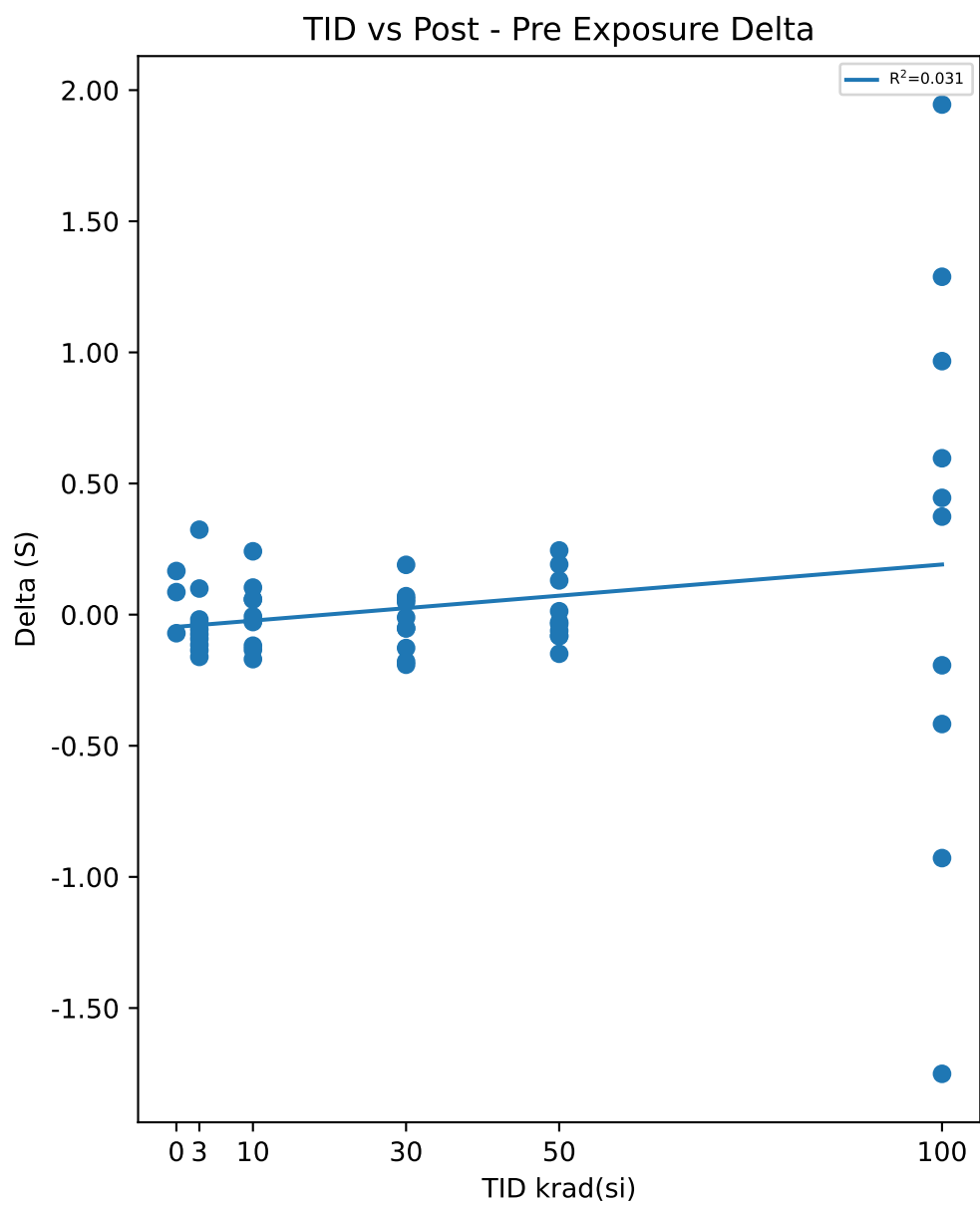
Test Statistics (S)

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



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

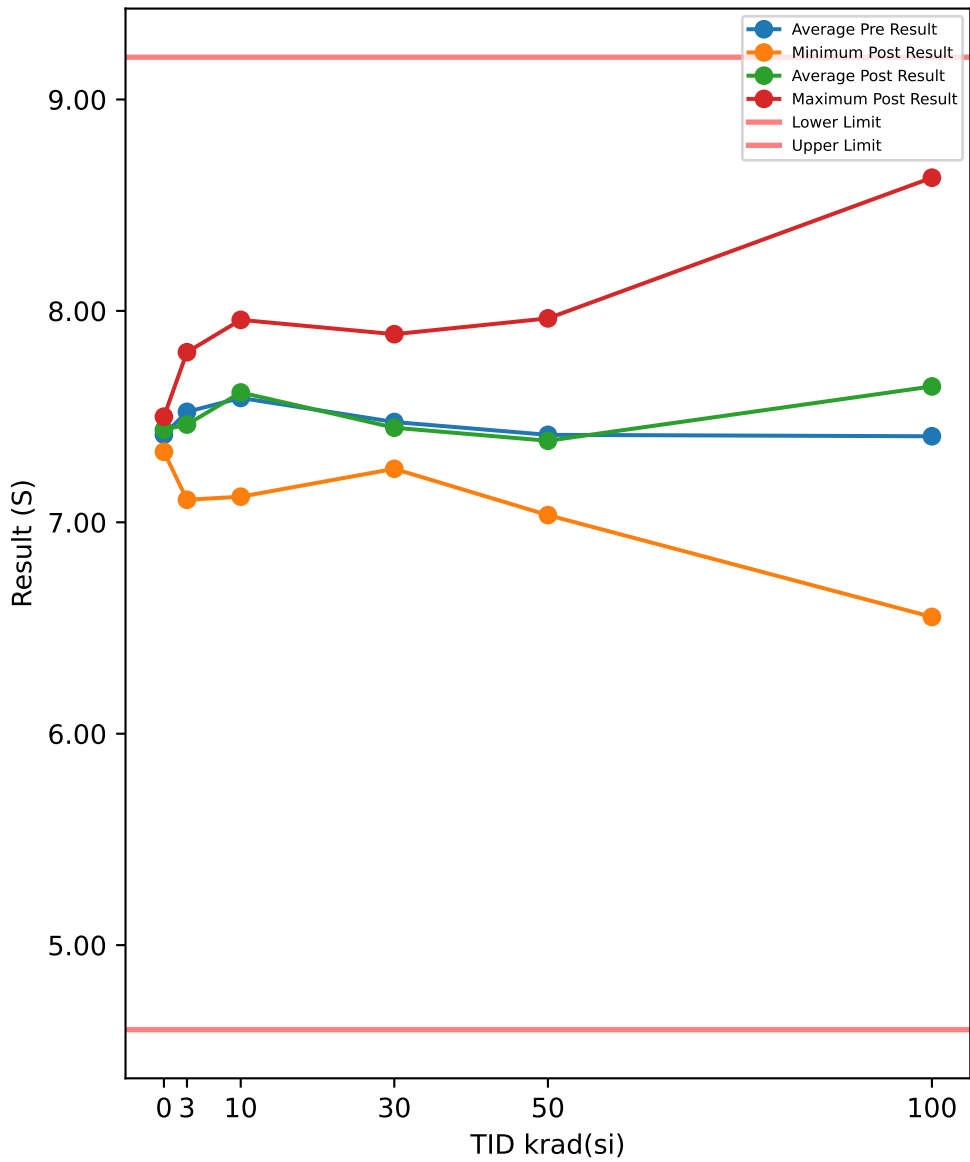
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
390	100	Biased	10.885	11.852	0.9666
392	100	Biased	11.154	10.225	-0.9283
393	100	Biased	11.495	11.302	-0.1931
394	100	Biased	11.63	9.8793	-1.7509
395	100	Biased	11.488	11.071	-0.4171
412	100	Unbiased	10.513	10.887	0.3738
413	100	Unbiased	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

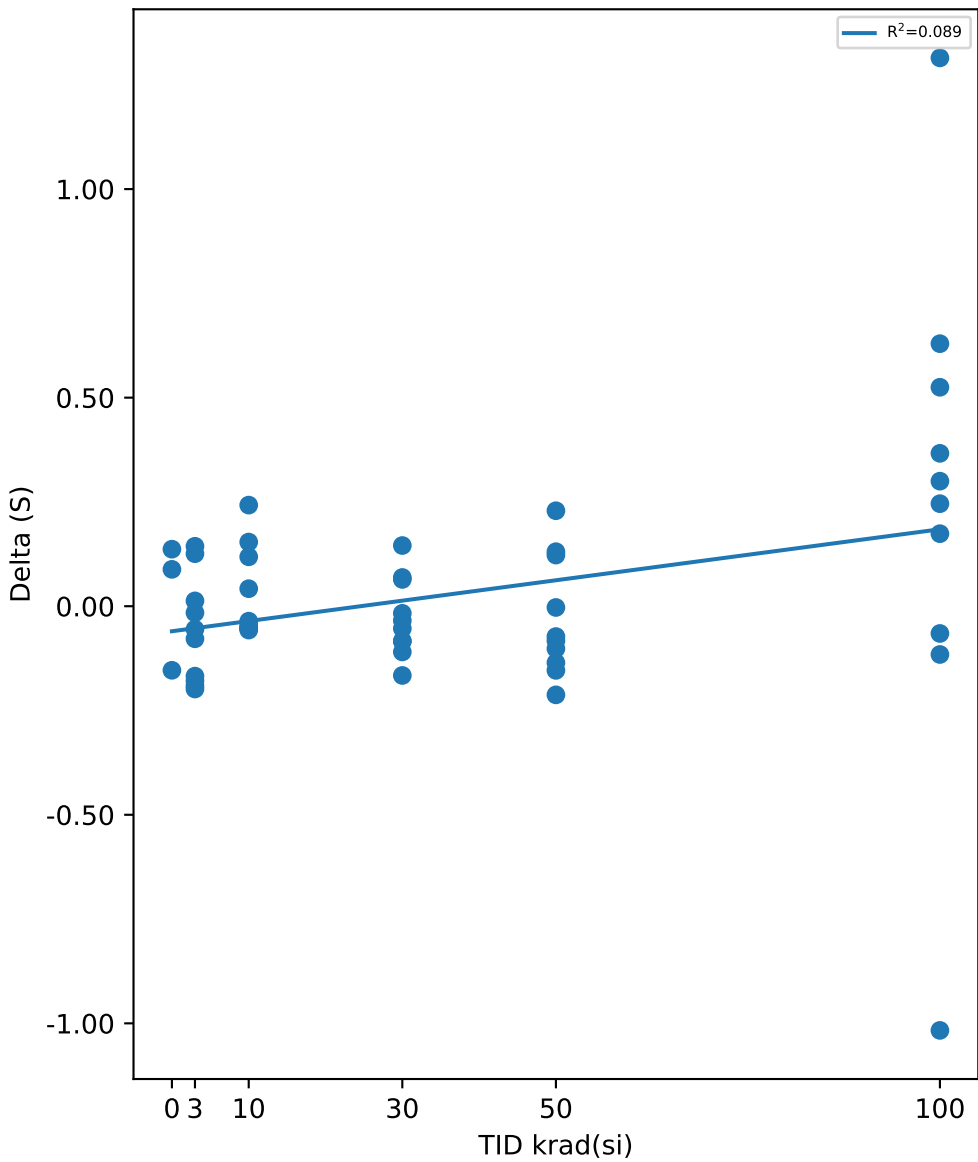
TID vs Result Stats



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

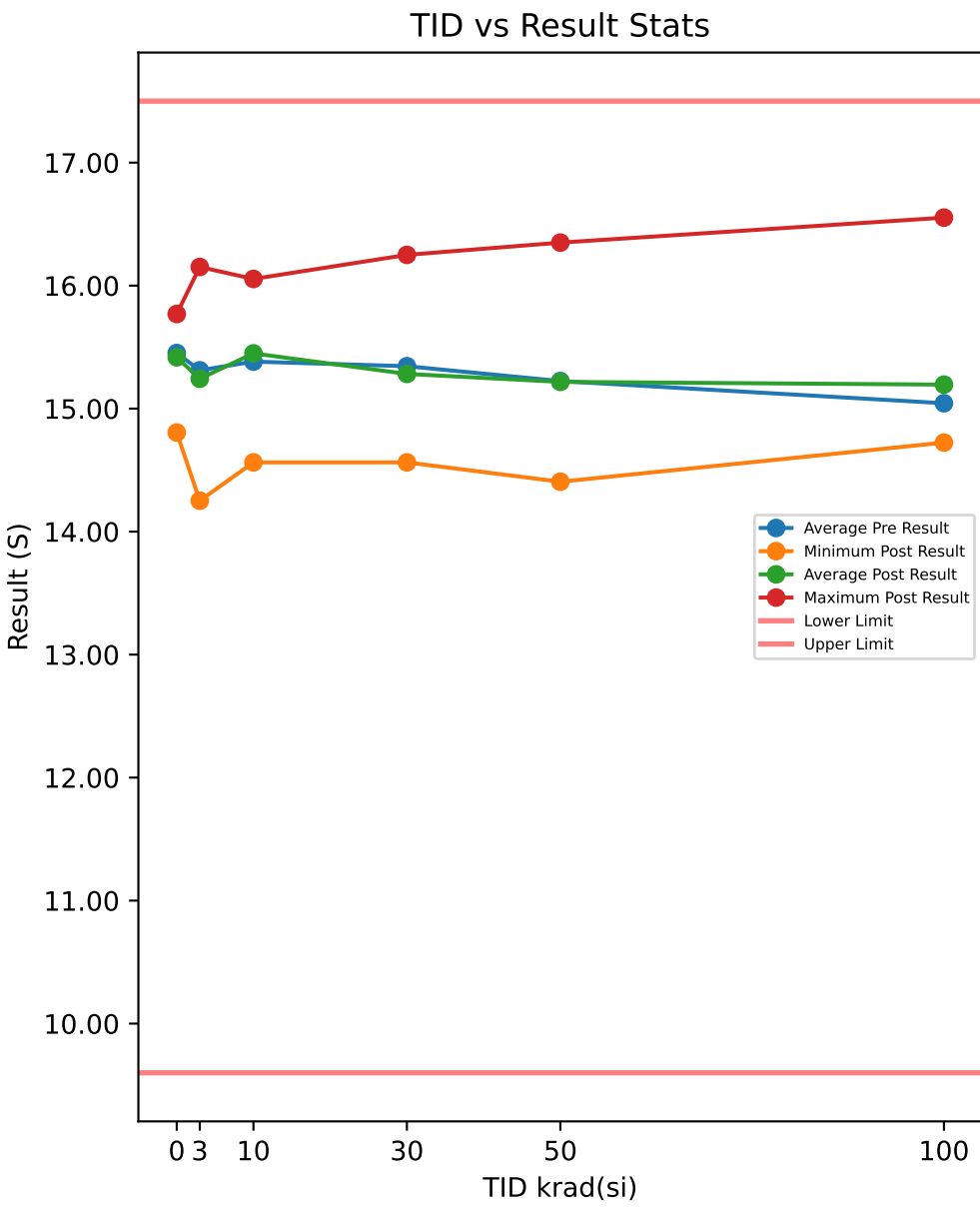
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
390	100	Biased	7.1443	7.7737	0.6294
392	100	Biased	7.1699	7.1046	-0.0653
393	100	Biased	7.579	7.7529	0.1739
394	100	Biased	7.5693	6.5524	-1.0169
395	100	Biased	7.7846	7.6689	-0.1157
412	100	Unbiased	6.9708	7.2706	0.2998
413	100	Unbiased	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

TID vs Post - Pre Exposure Delta



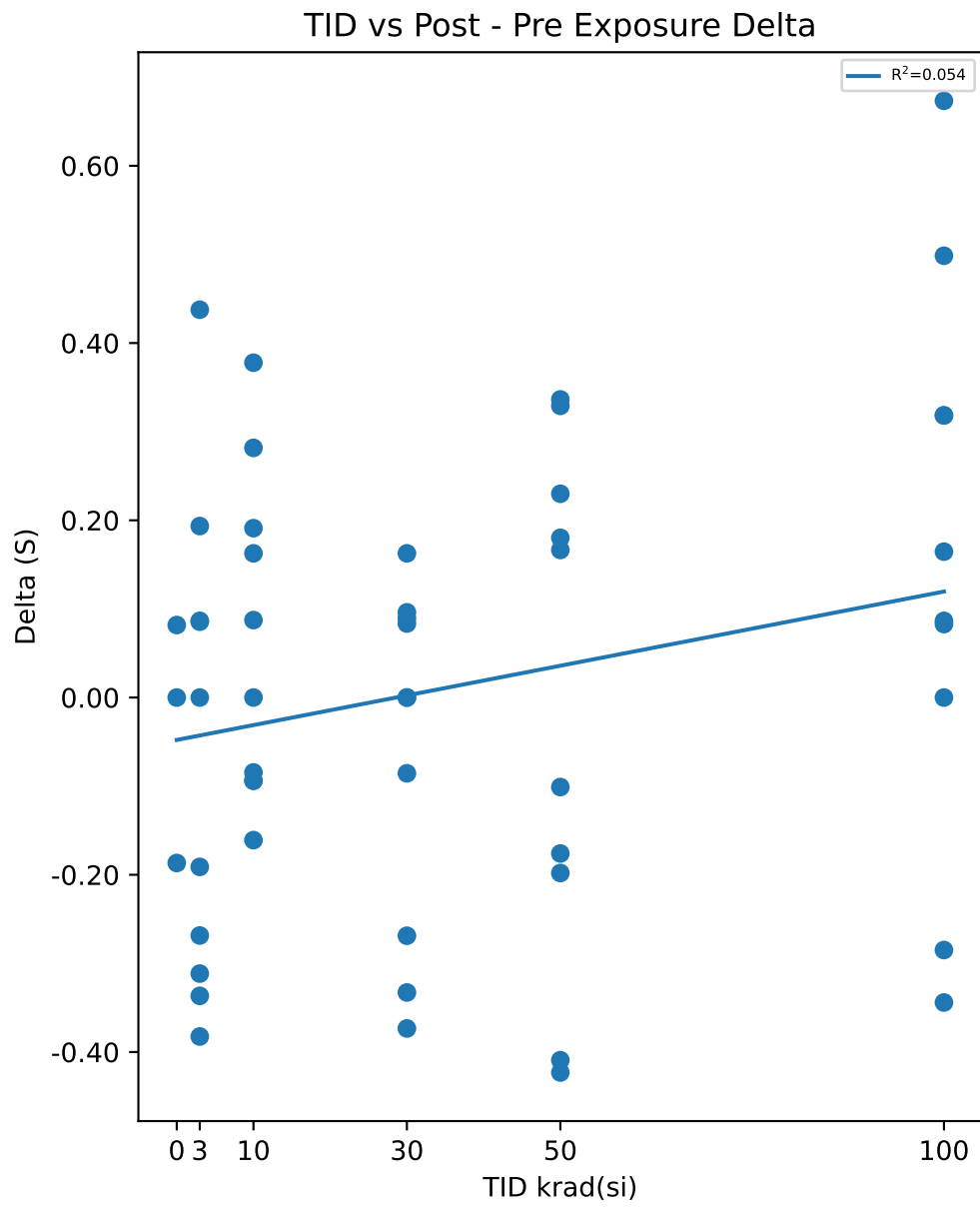
Test Statistics (S)

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



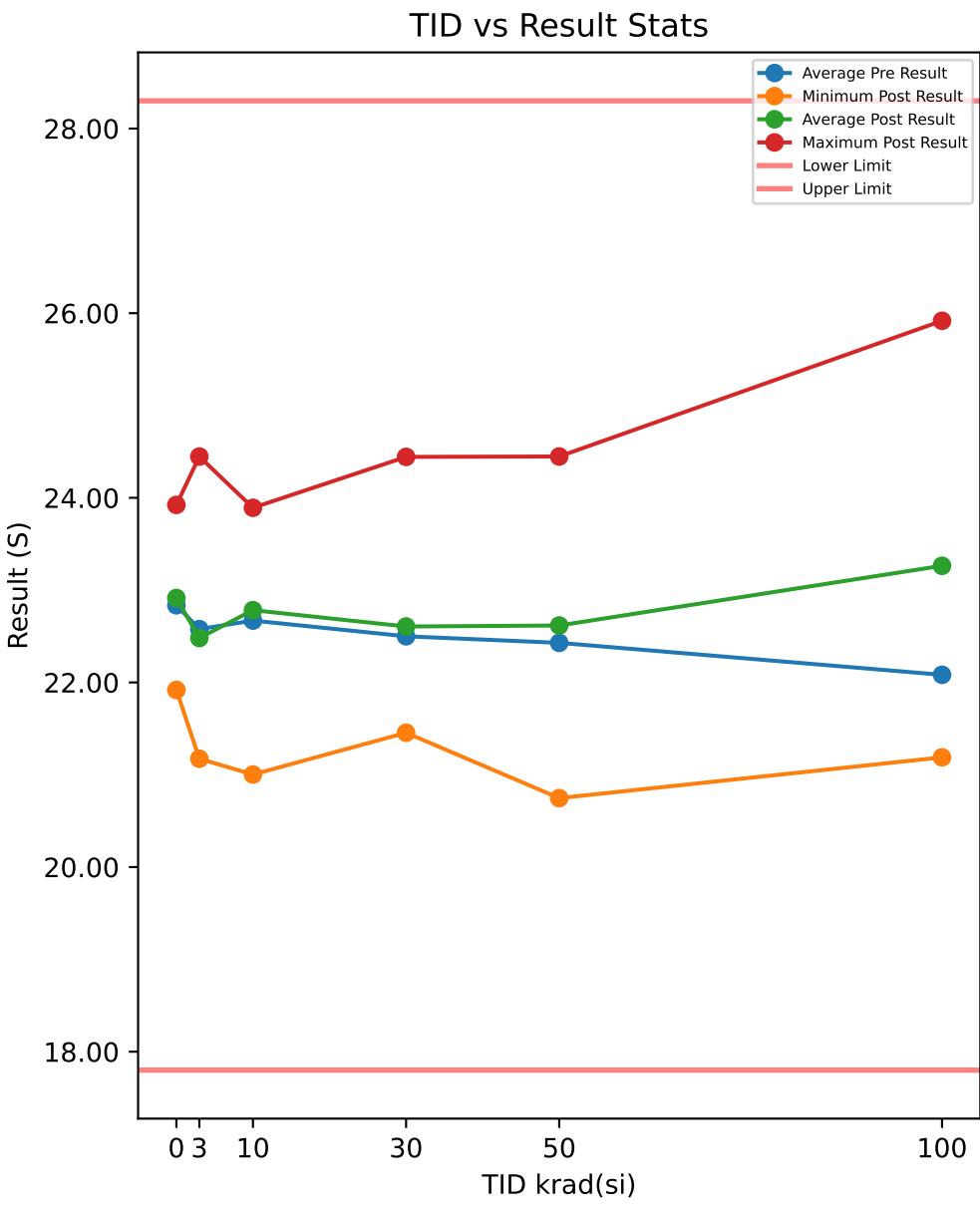
Test Results (Lower Limit = 9.6, Upper Limit = 17.5 (S))

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



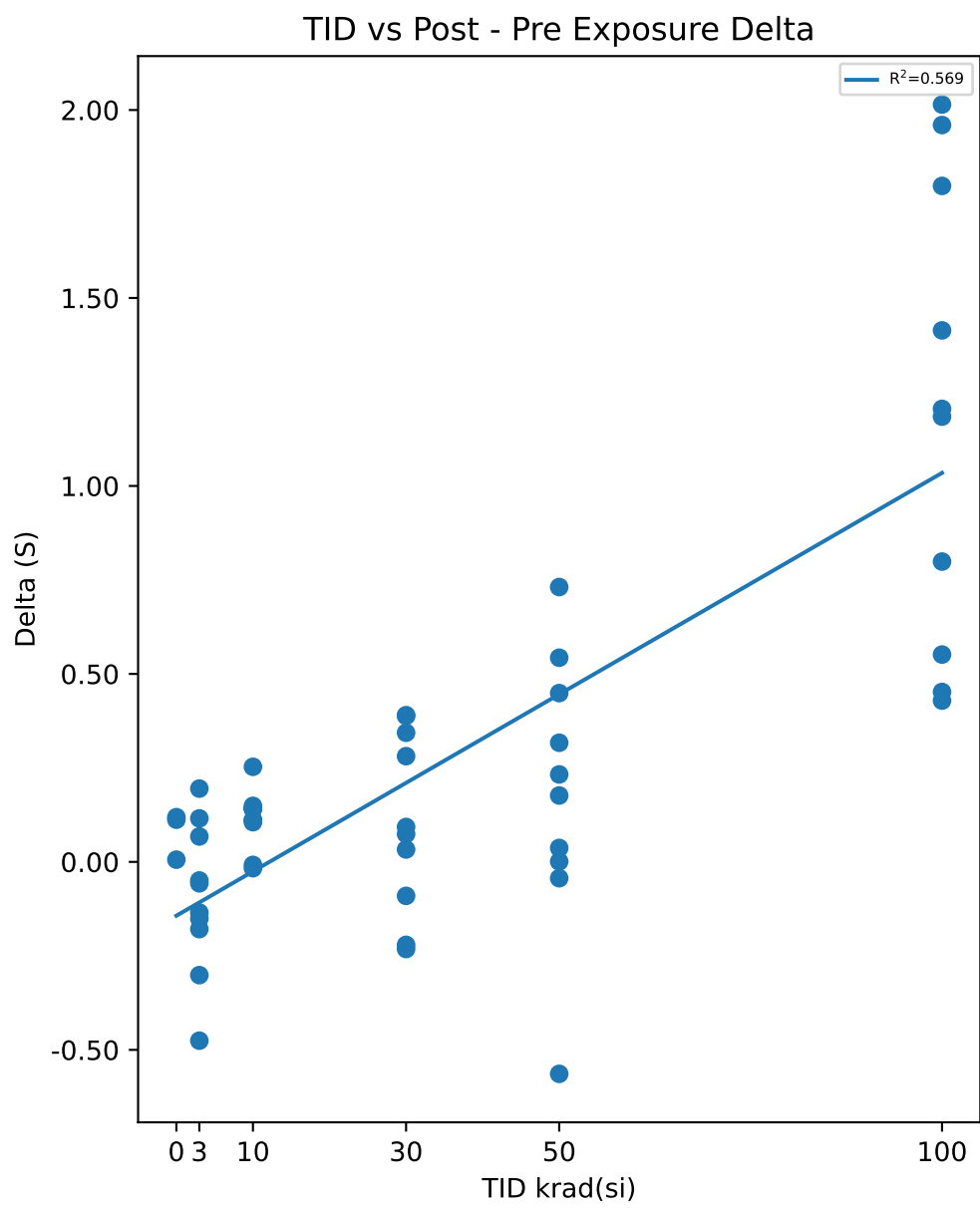
Test Statistics (S)

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



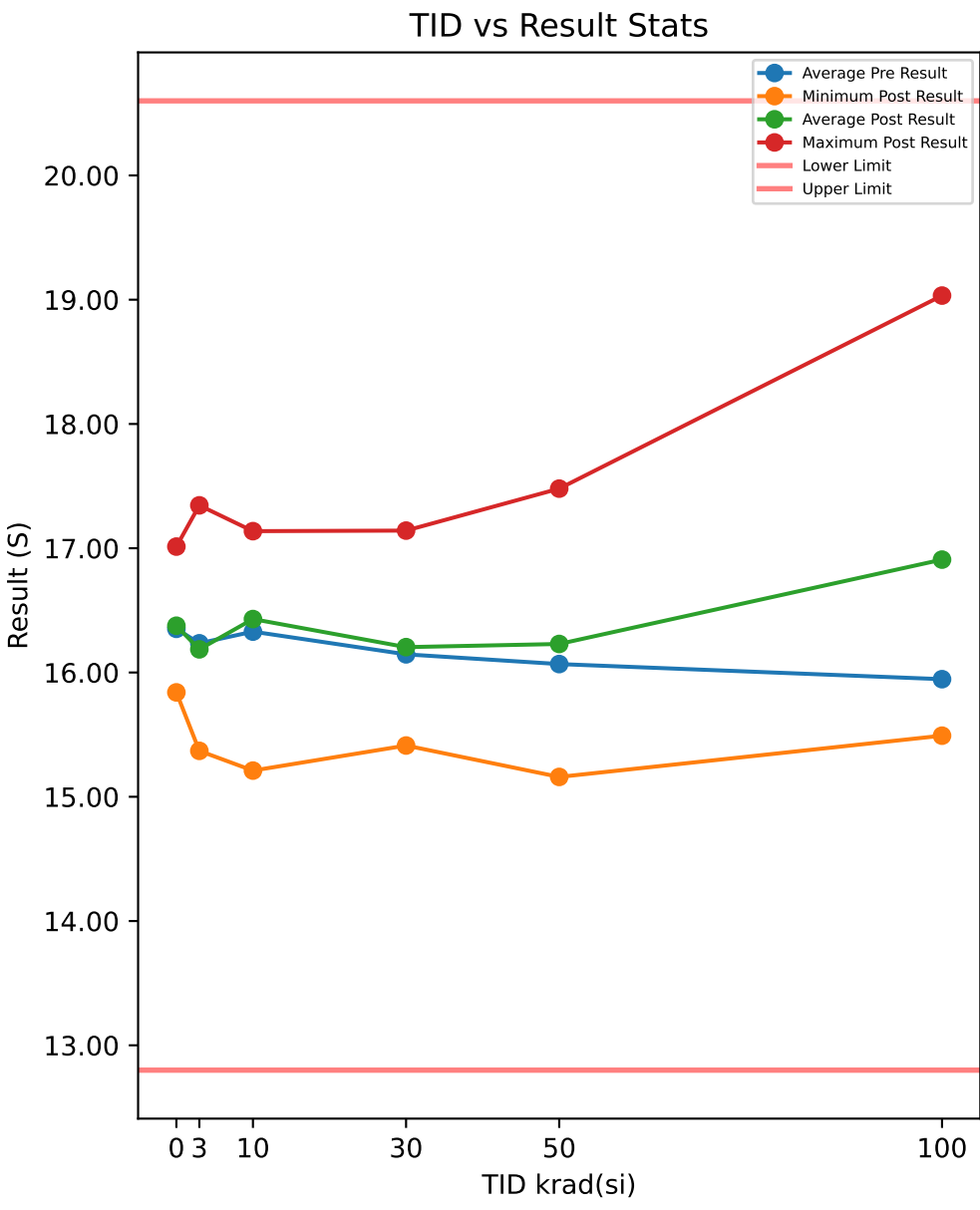
Test Results (Lower Limit = 17.8, Upper Limit = 28.3 (S))

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



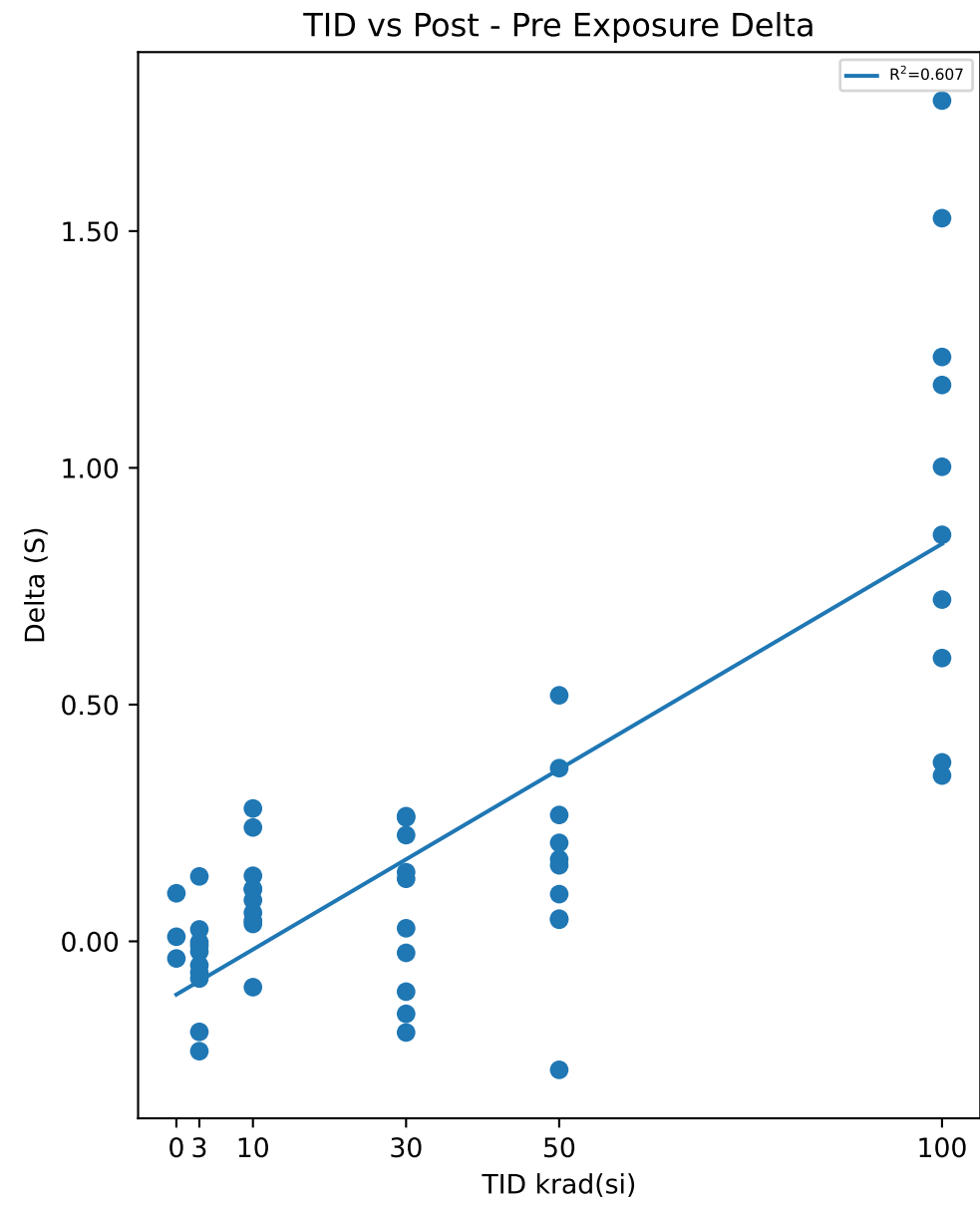
Test Statistics (S)

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



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

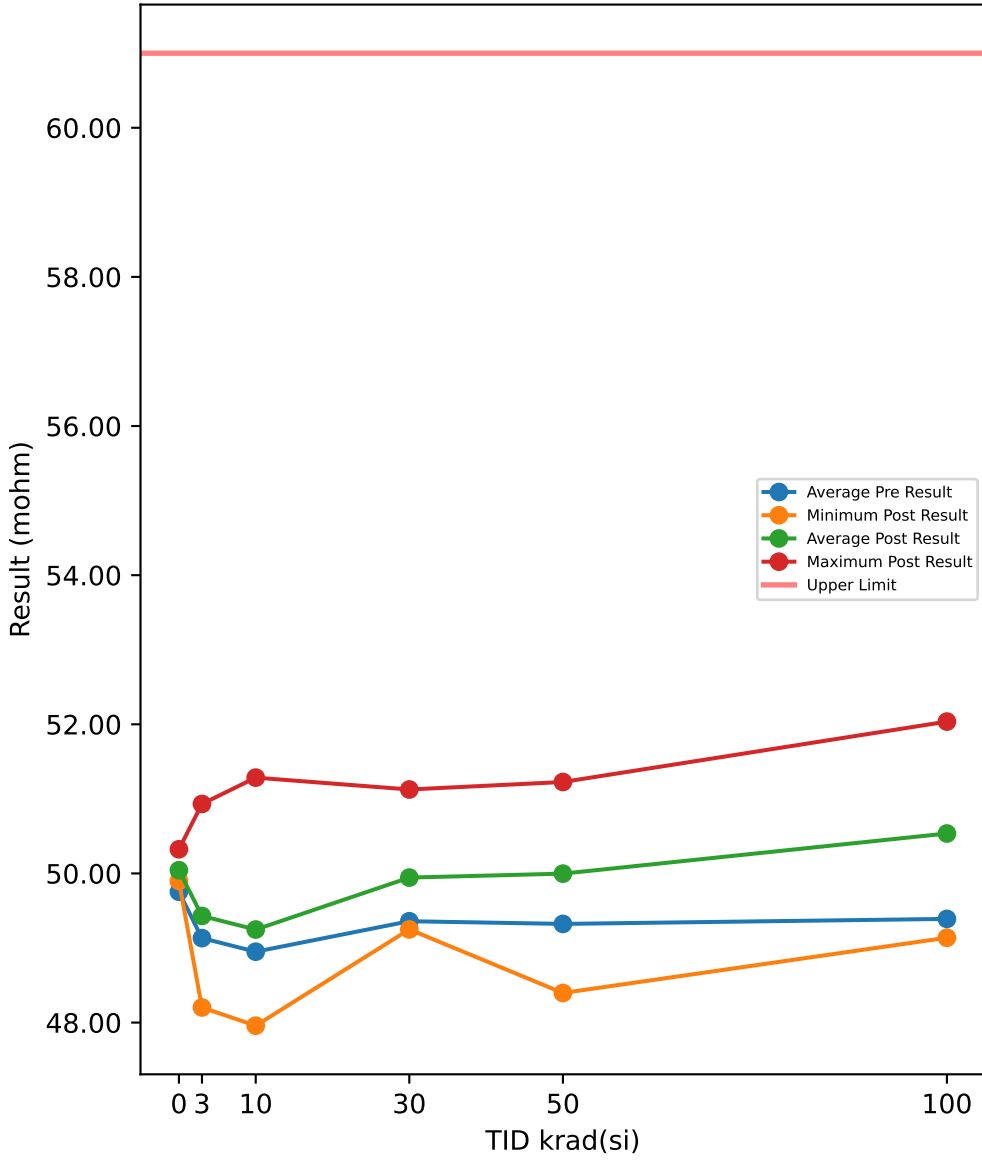
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
390	100	Biased	15.379	16.906	1.5273
392	100	Biased	15.833	16.211	0.378
393	100	Biased	15.896	16.898	1.0023
394	100	Biased	16.492	17.214	0.7218
395	100	Biased	16.289	16.64	0.3501
412	100	Unbiased	14.893	15.492	0.5983
413	100	Unbiased	16.238	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

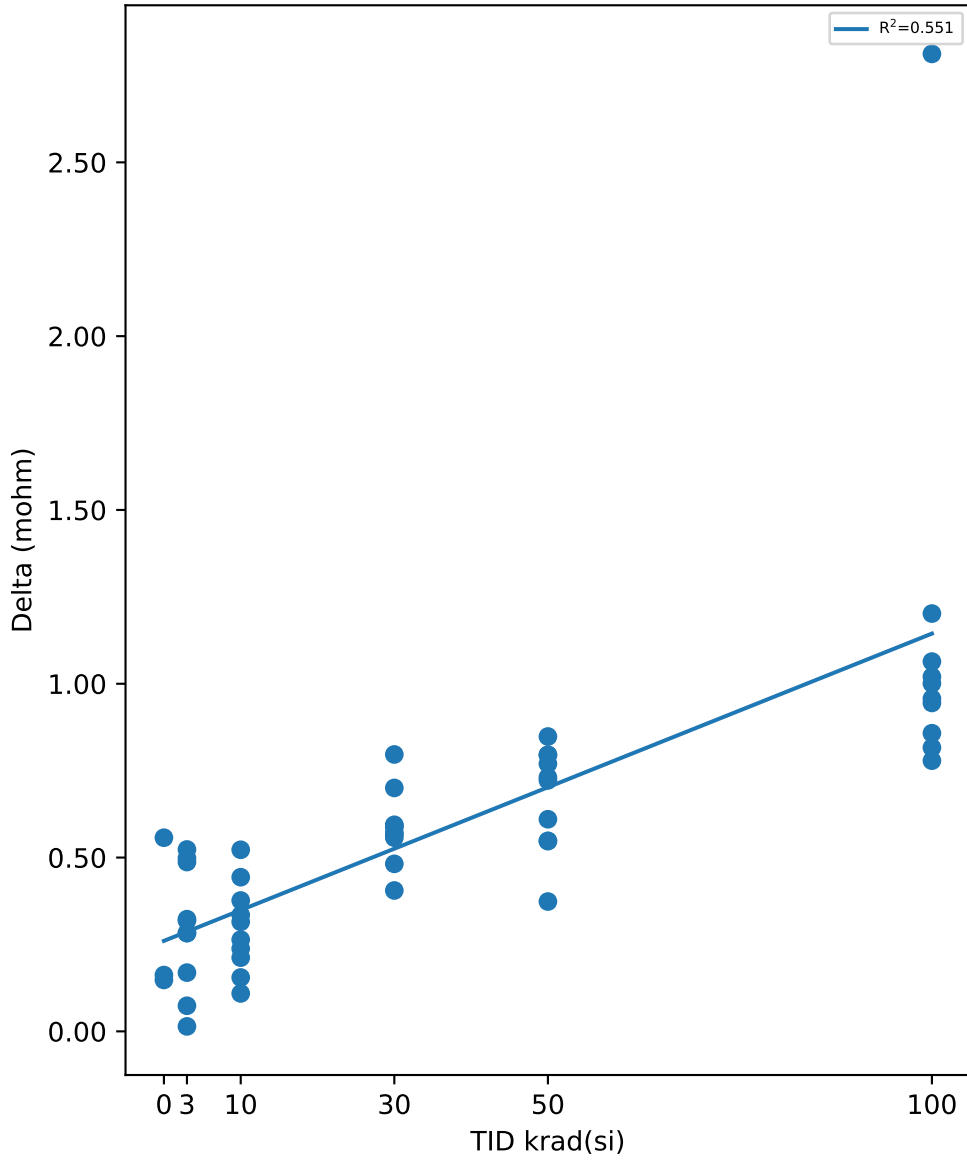
TID vs Result Stats



Test Results (Upper Limit = 61.0 (mohm))

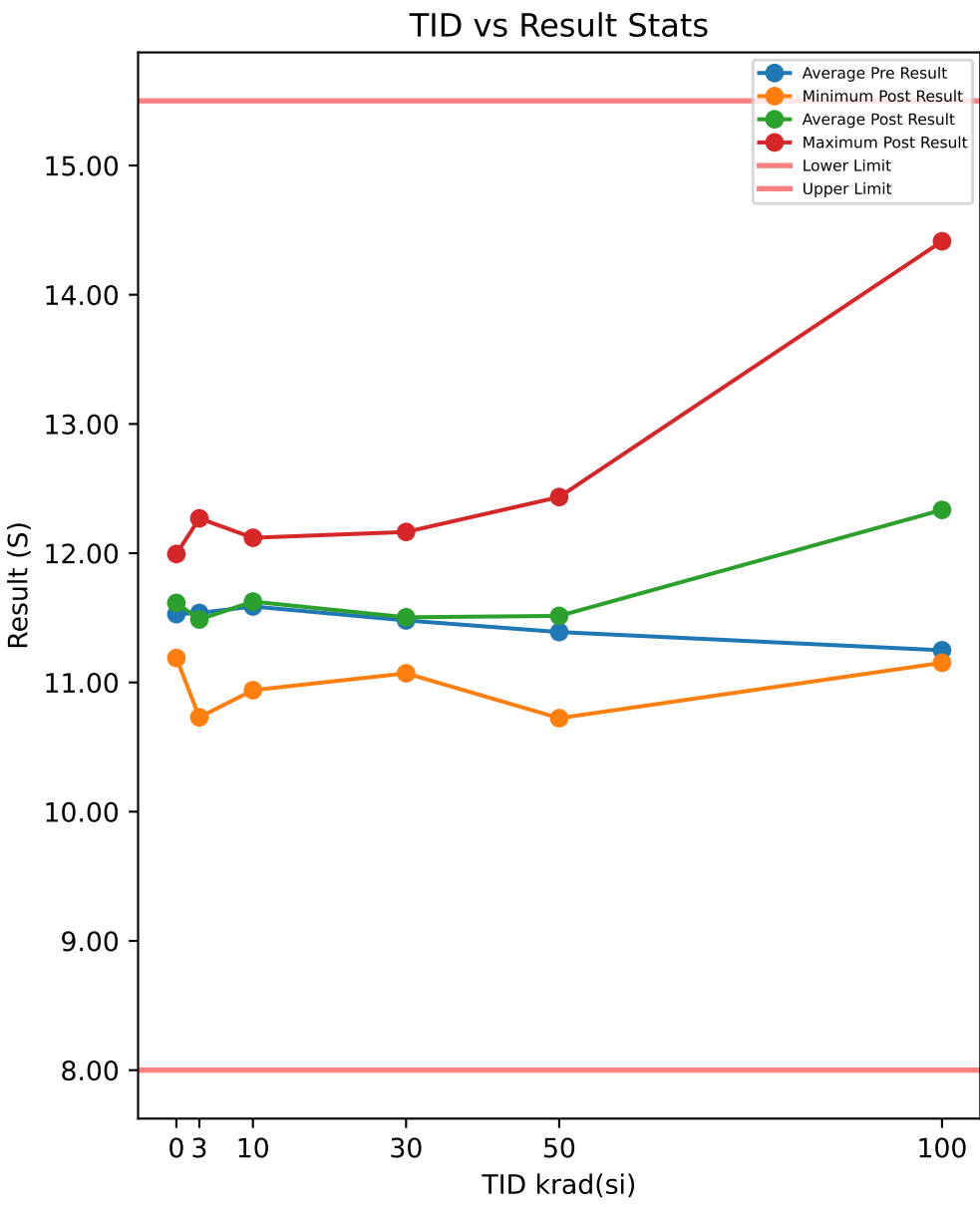
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
390	100	Biased	50.517	51.461	0.9448
392	100	Biased	50.293	51.357	1.0638
393	100	Biased	48.457	49.477	1.0201
394	100	Biased	49.844	50.802	0.9572
395	100	Biased	49.222	50.038	0.8163
412	100	Unbiased	49.664	50.521	0.8577
413	100	Unbiased	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

TID vs Post - Pre Exposure Delta



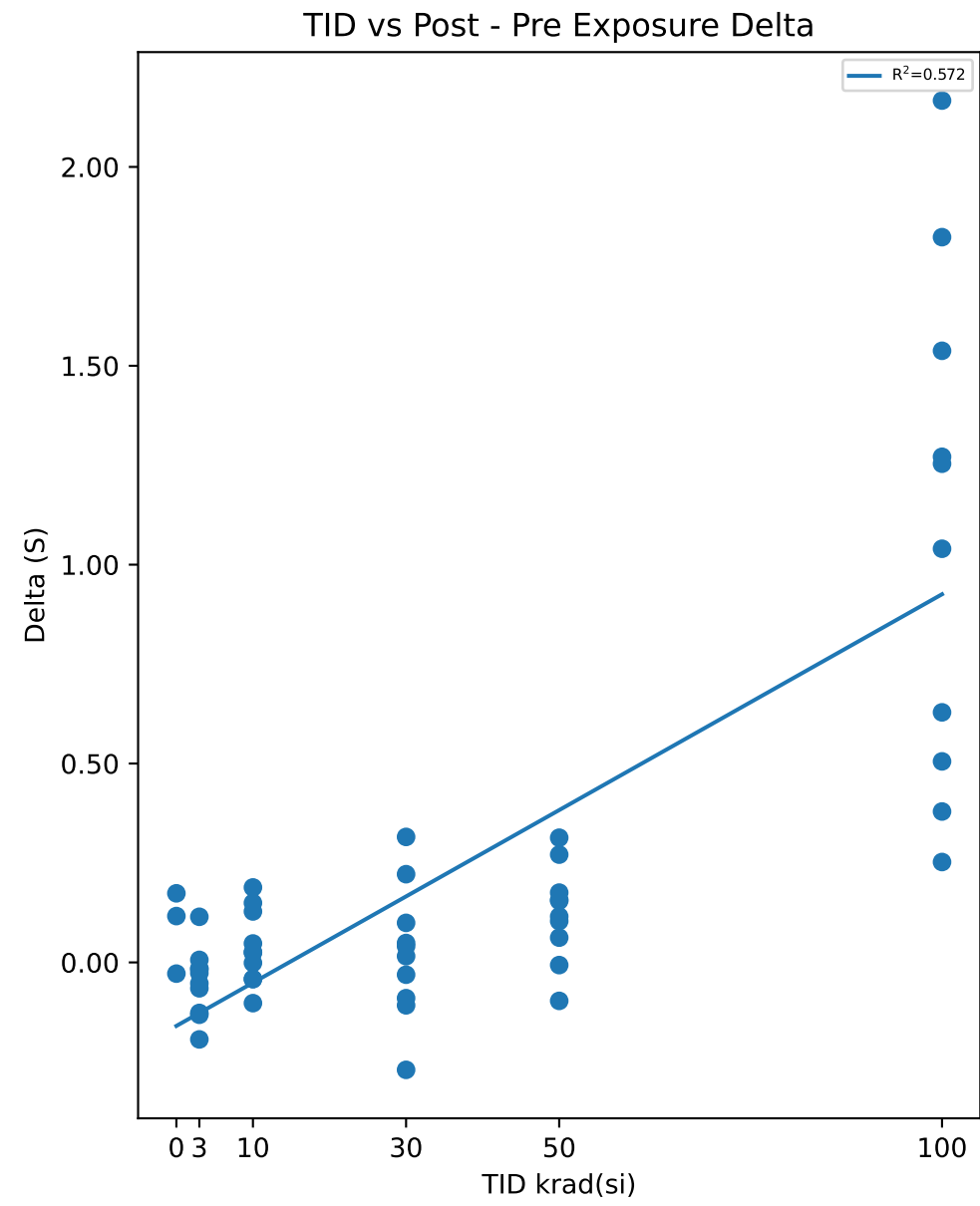
Test Statistics (mohm)

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



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

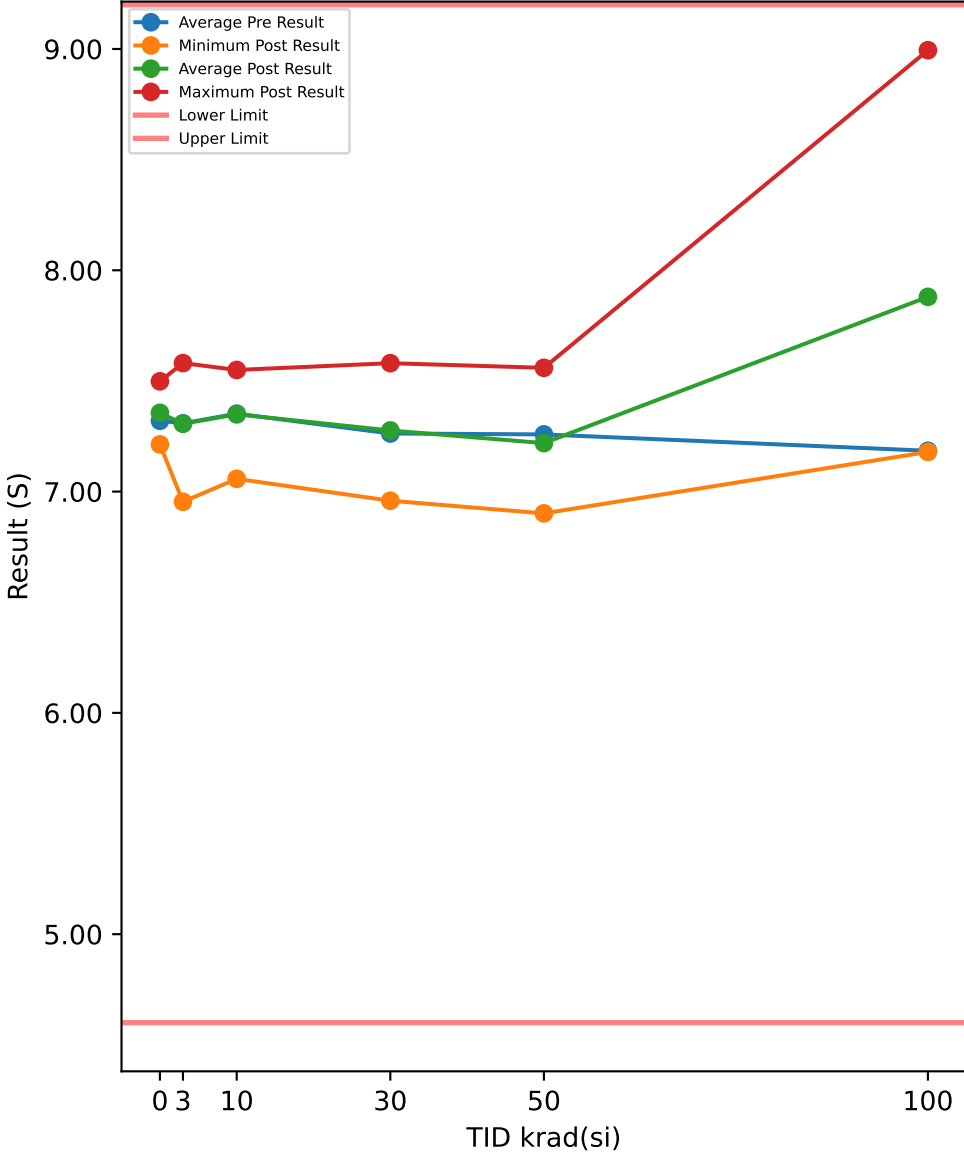
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
390	100	Biased	10.894	12.718	1.8234
392	100	Biased	11.396	12.024	0.6287
393	100	Biased	11.213	12.467	1.2538
394	100	Biased	11.666	11.918	0.2524
395	100	Biased	11.436	11.815	0.3794
412	100	Unbiased	10.647	11.152	0.5054
413	100	Unbiased	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

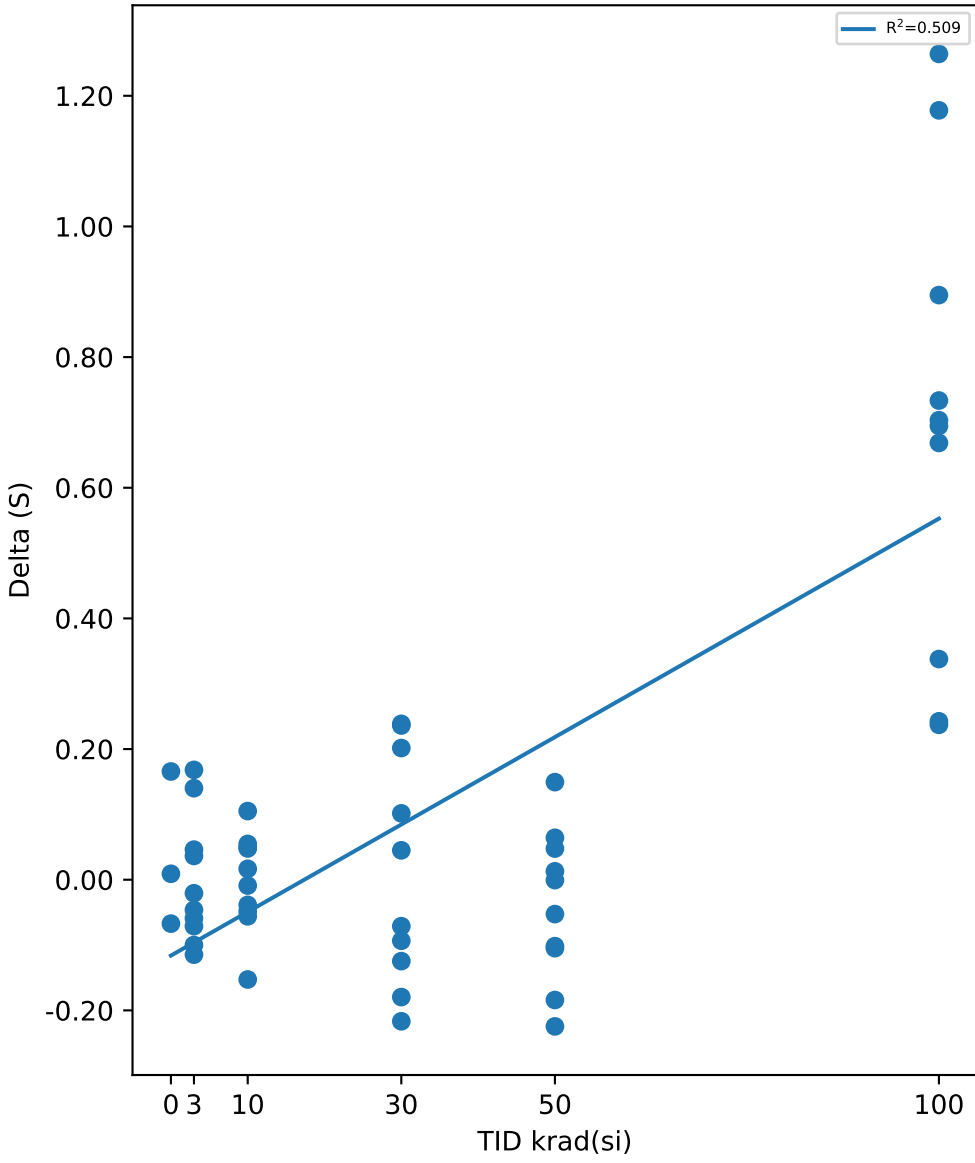
TID vs Result Stats



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

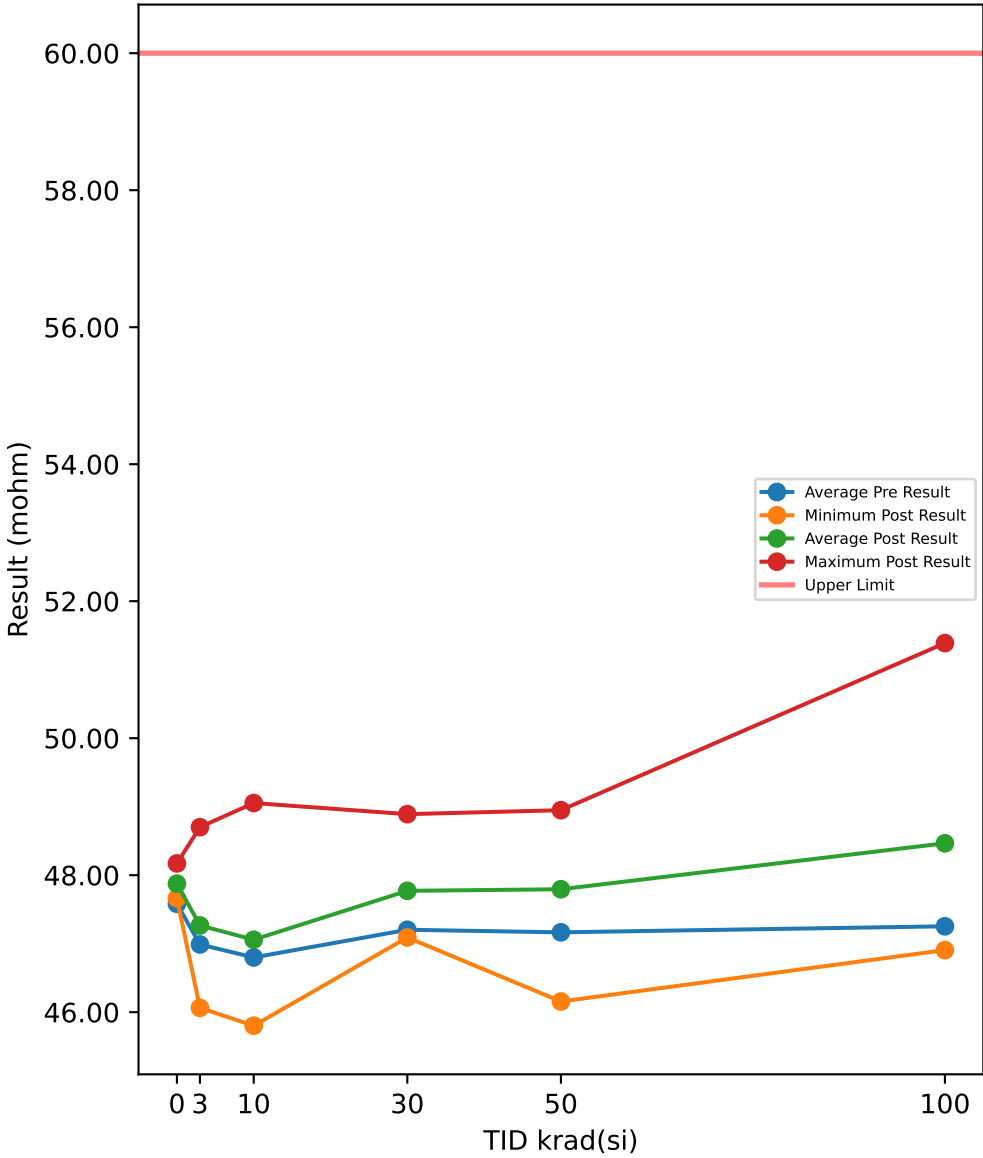
TID vs Post - Pre Exposure Delta



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

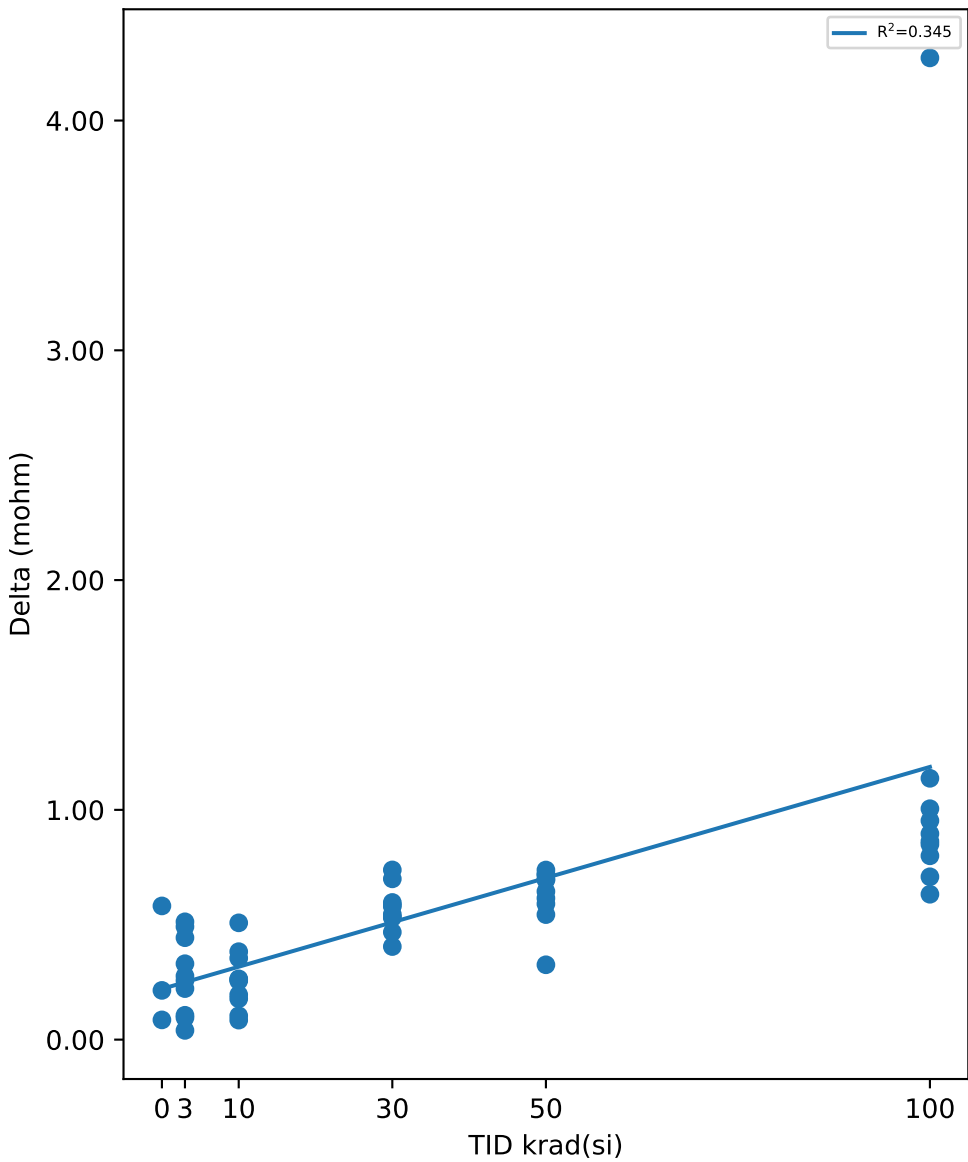
TID vs Result Stats



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

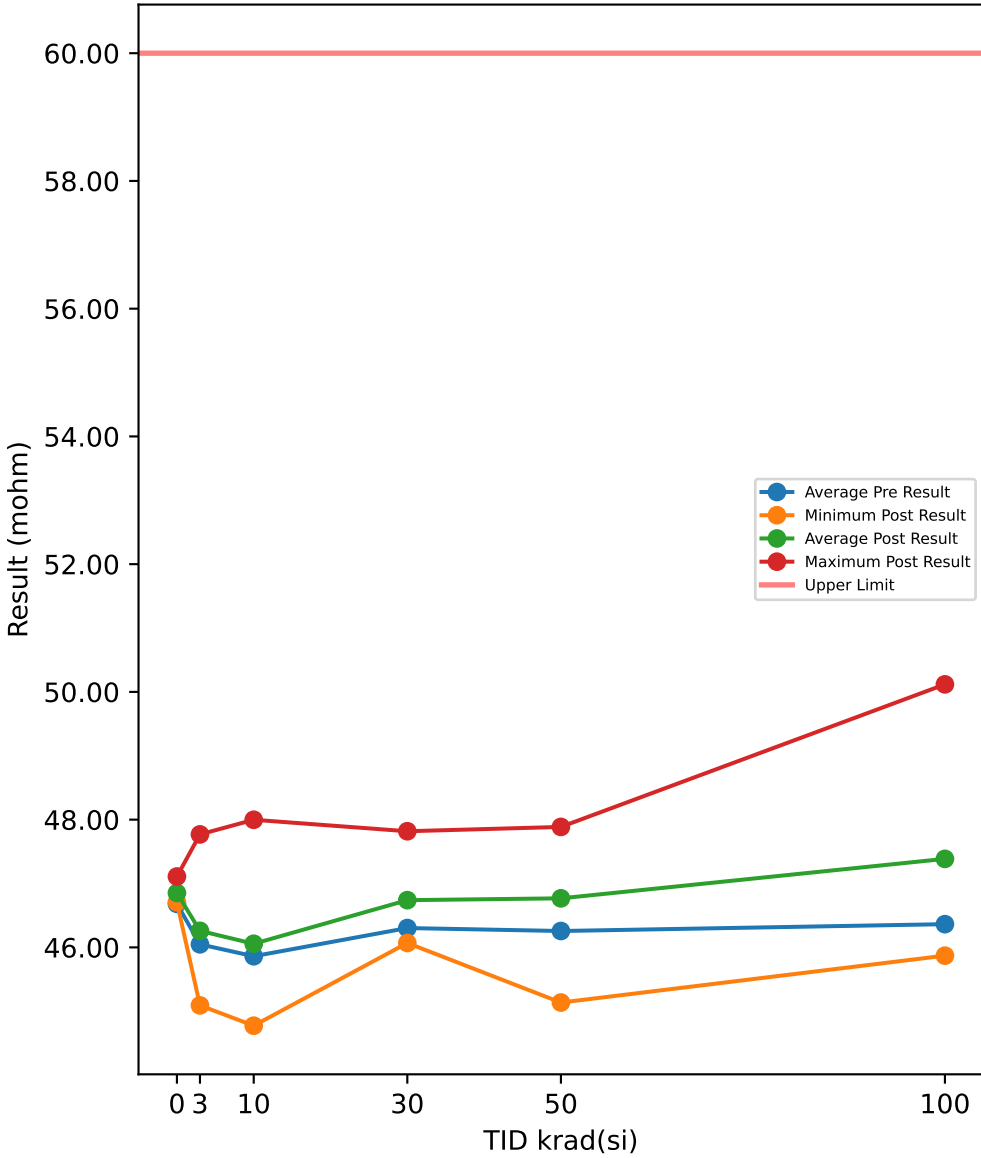
TID vs Post - Pre Exposure Delta



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

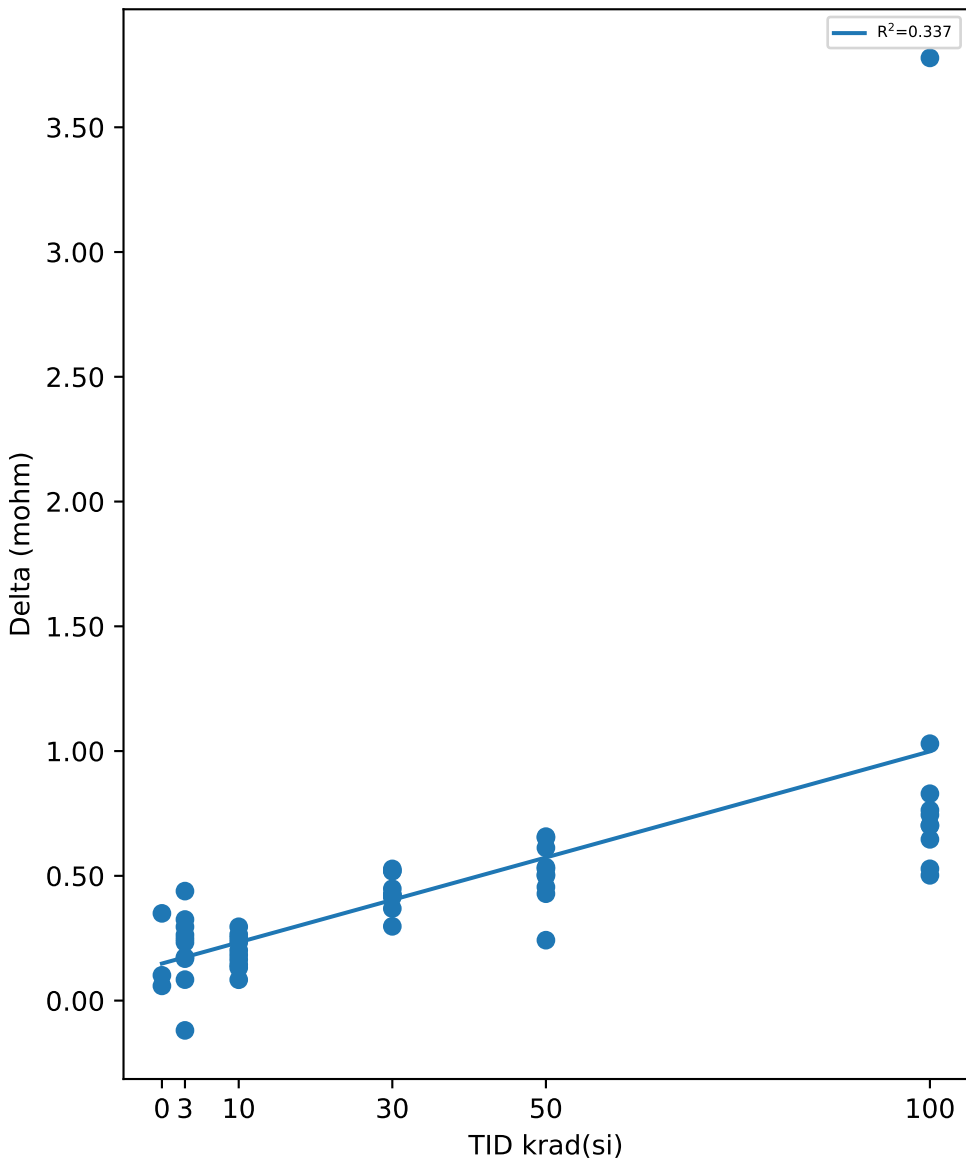
TID vs Result Stats



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

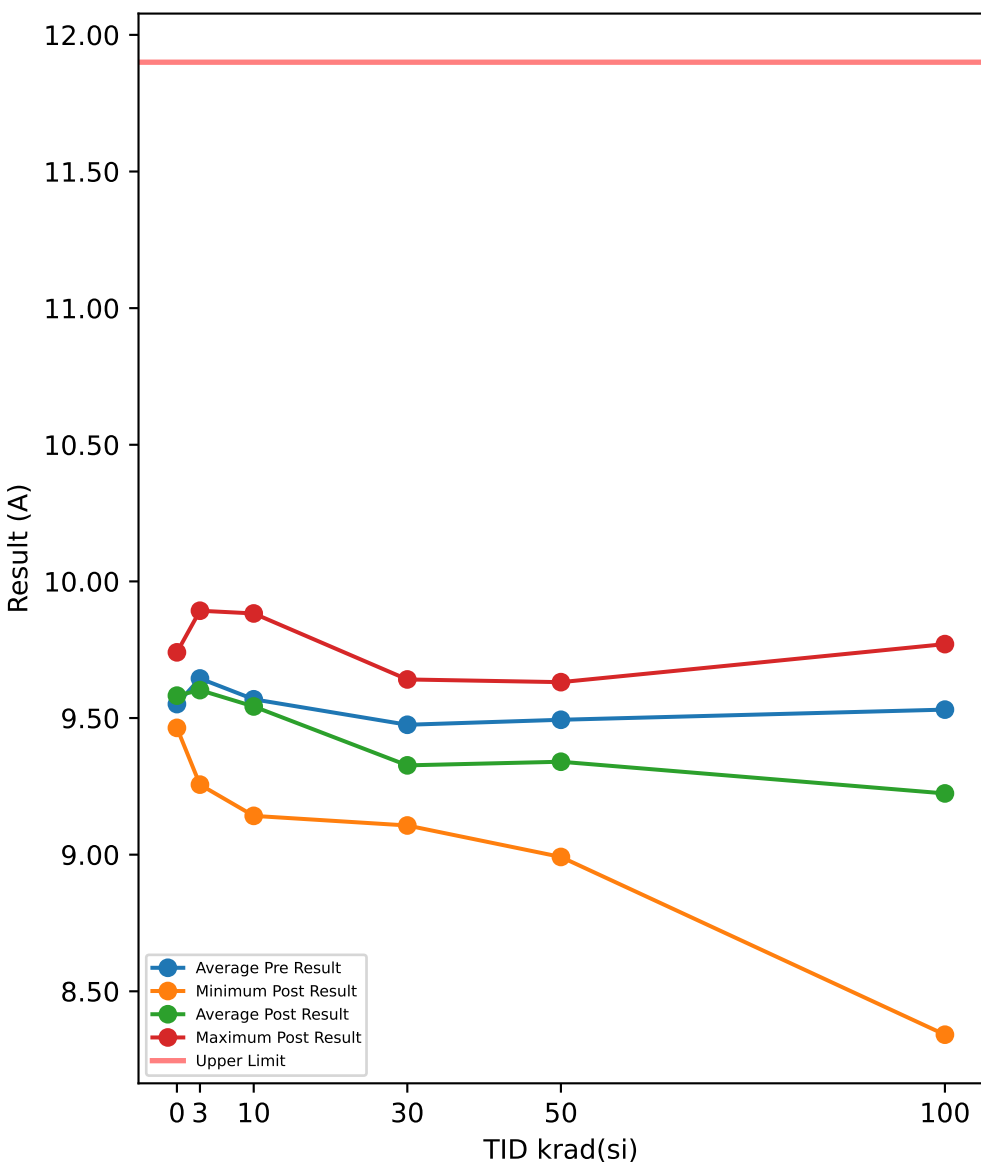
TID vs Post - Pre Exposure Delta



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

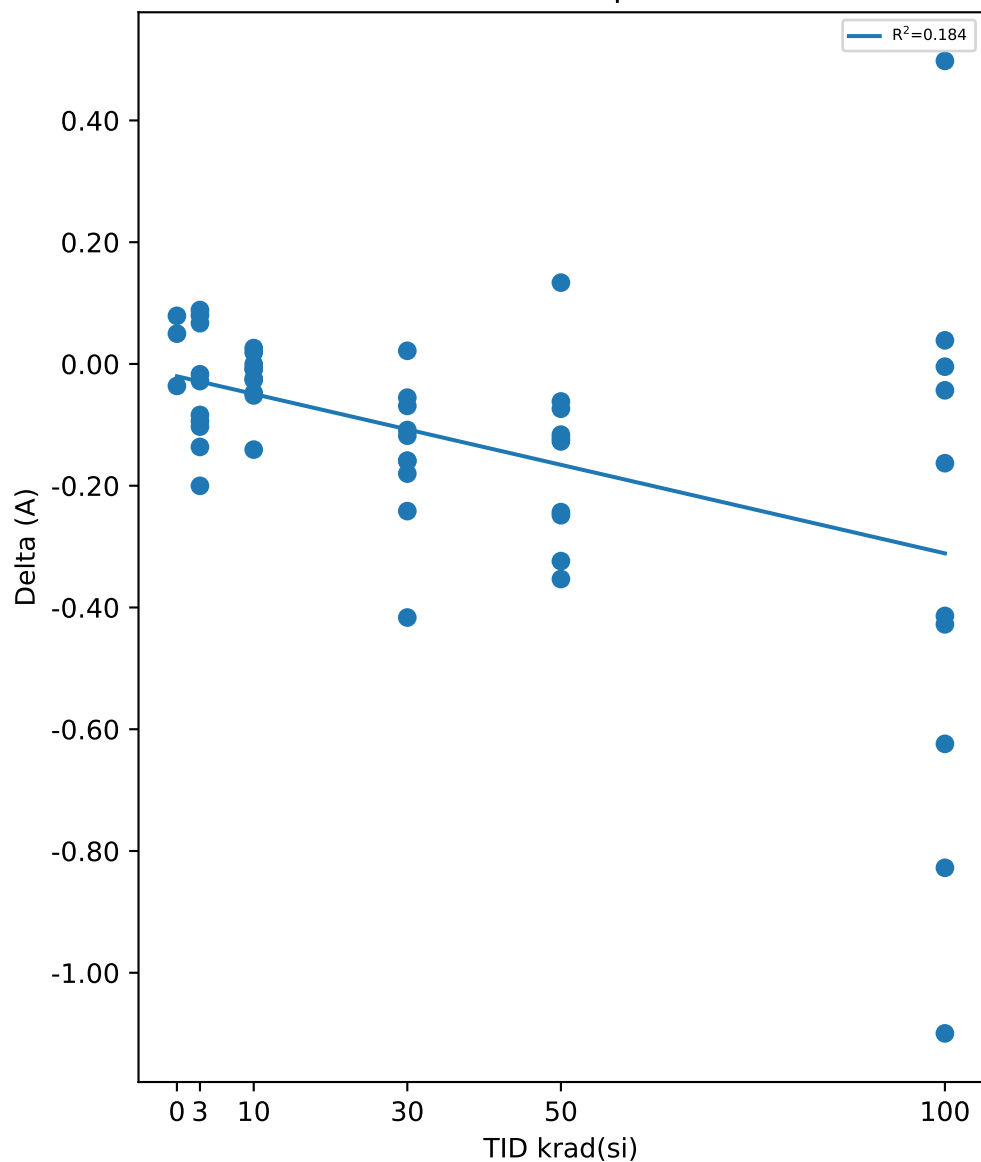
TID vs Result Stats



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

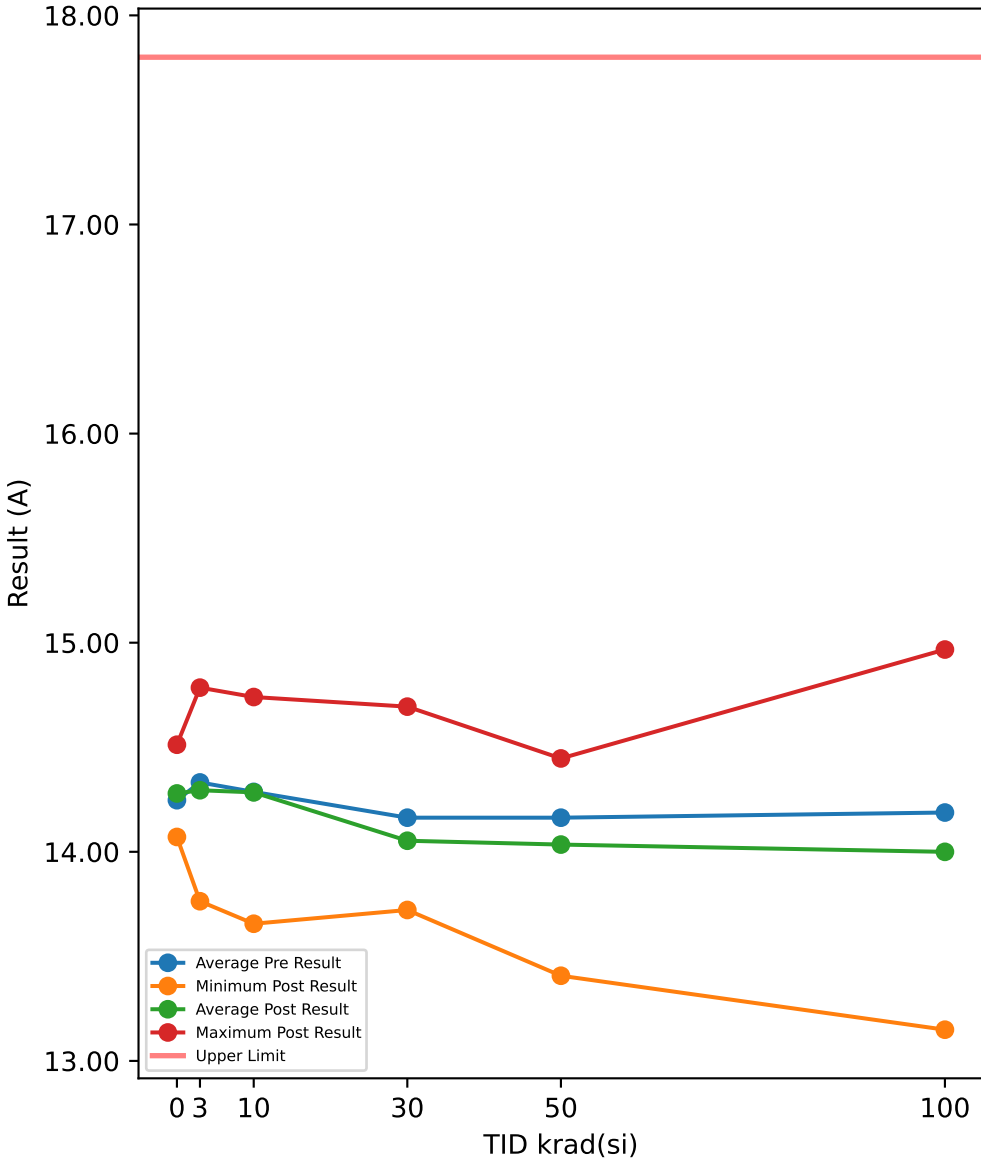
TID vs Post - Pre Exposure Delta



Test Statistics (A)

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	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

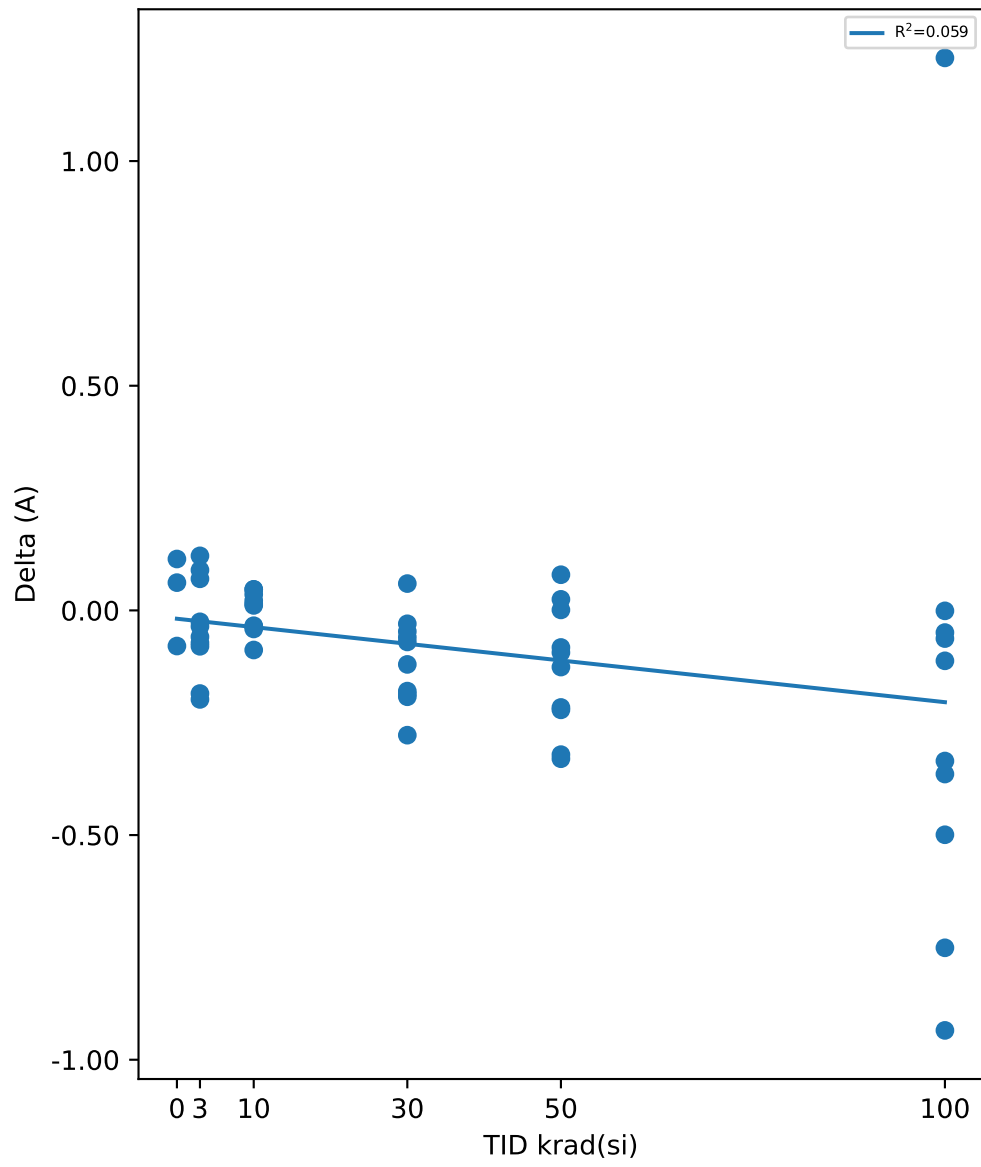
TID vs Result Stats



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

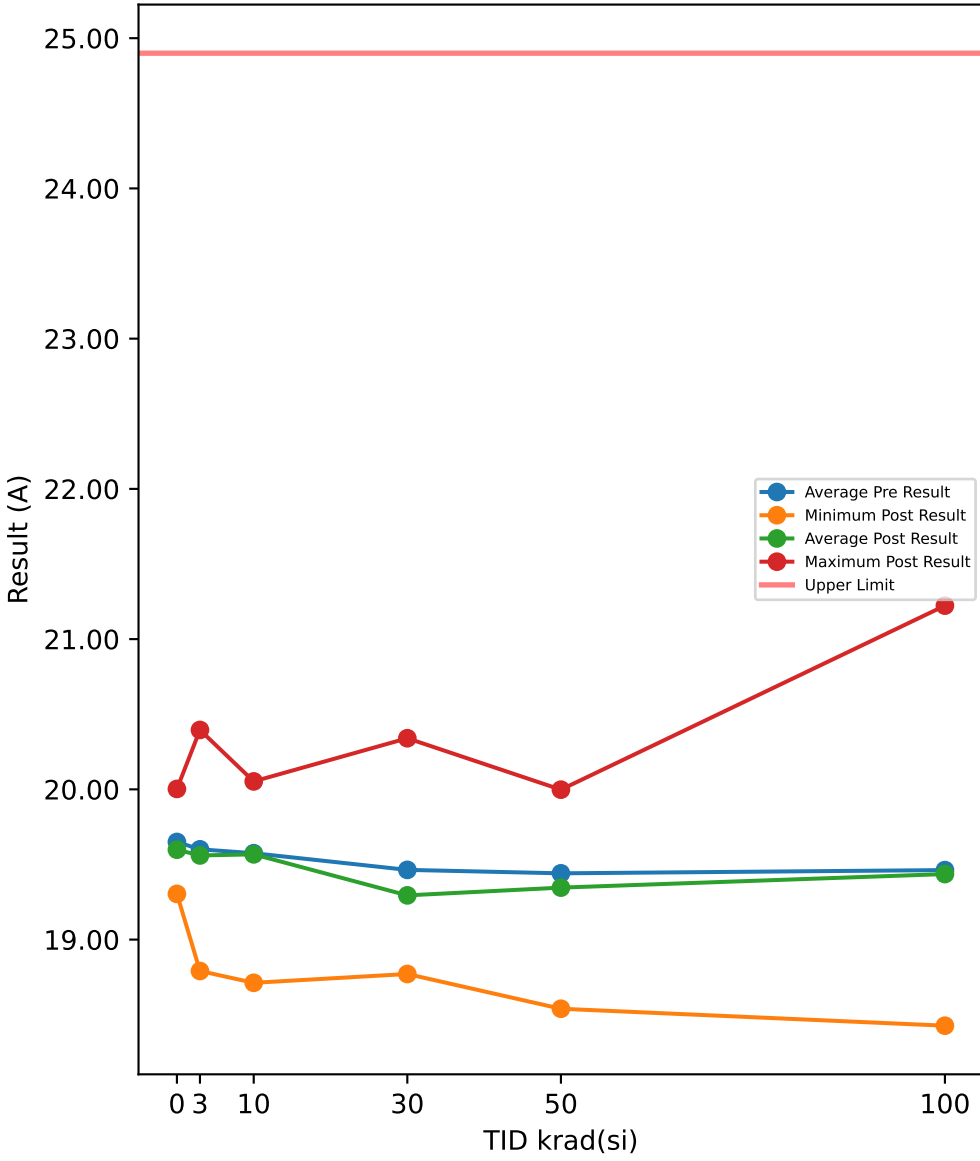
TID vs Post - Pre Exposure Delta



Test Statistics (A)

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	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

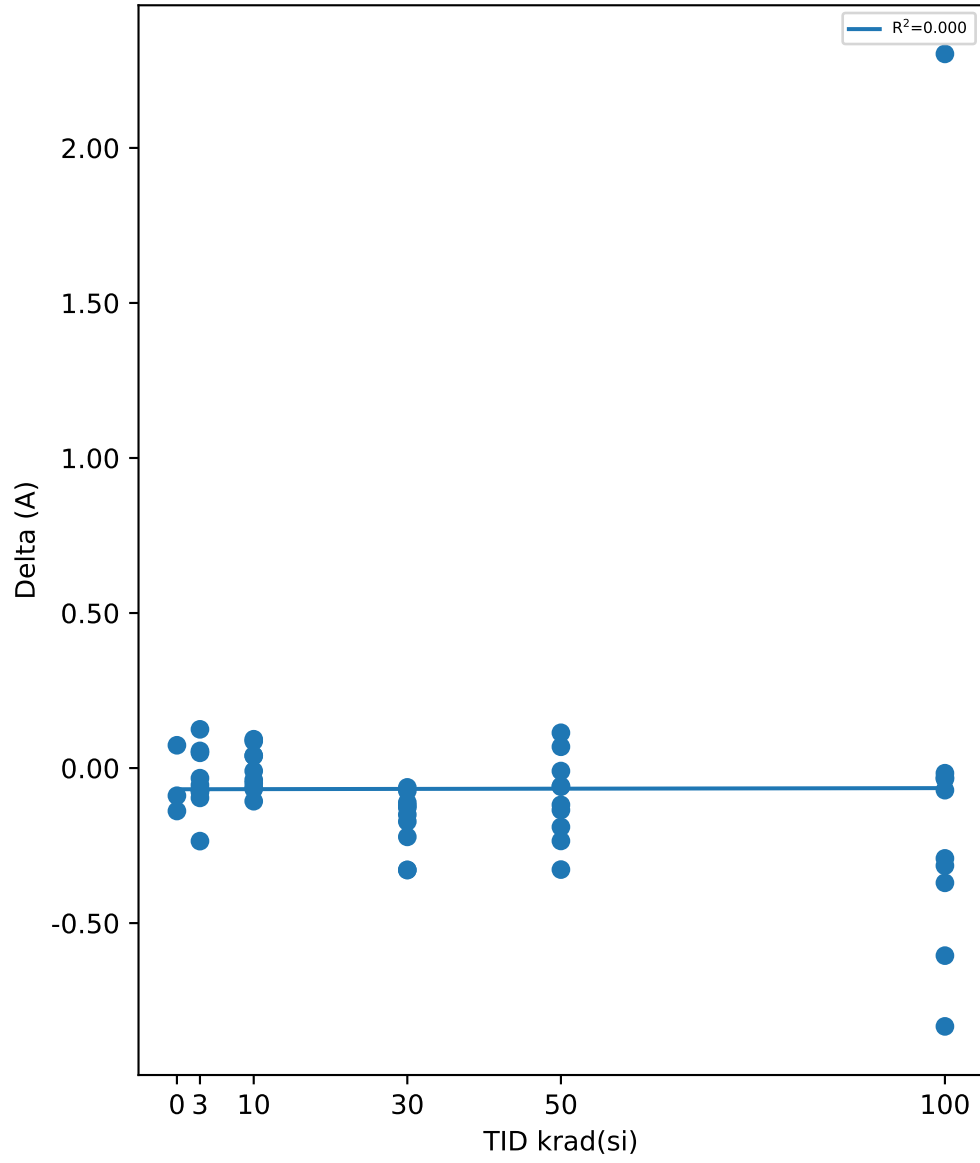
TID vs Result Stats



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

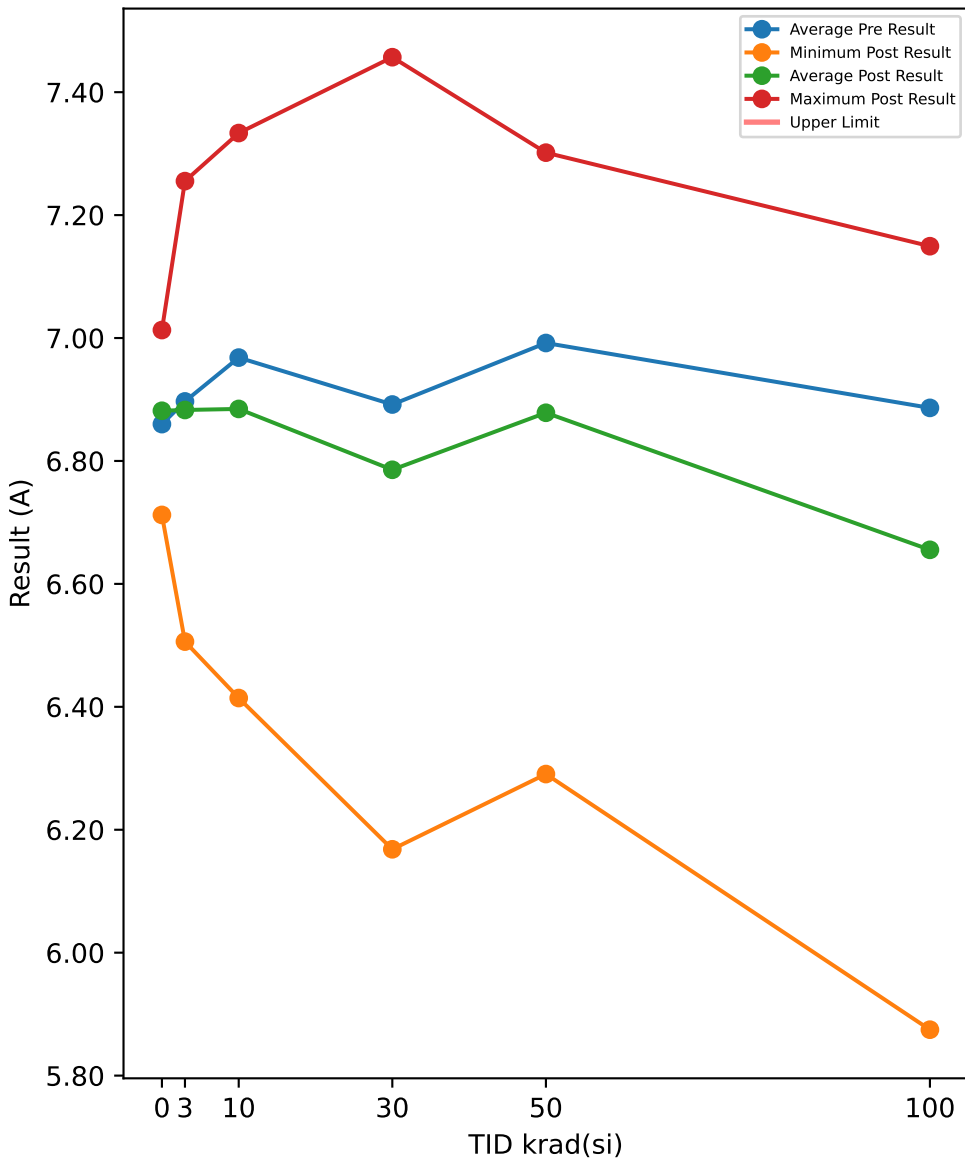
TID vs Post - Pre Exposure Delta



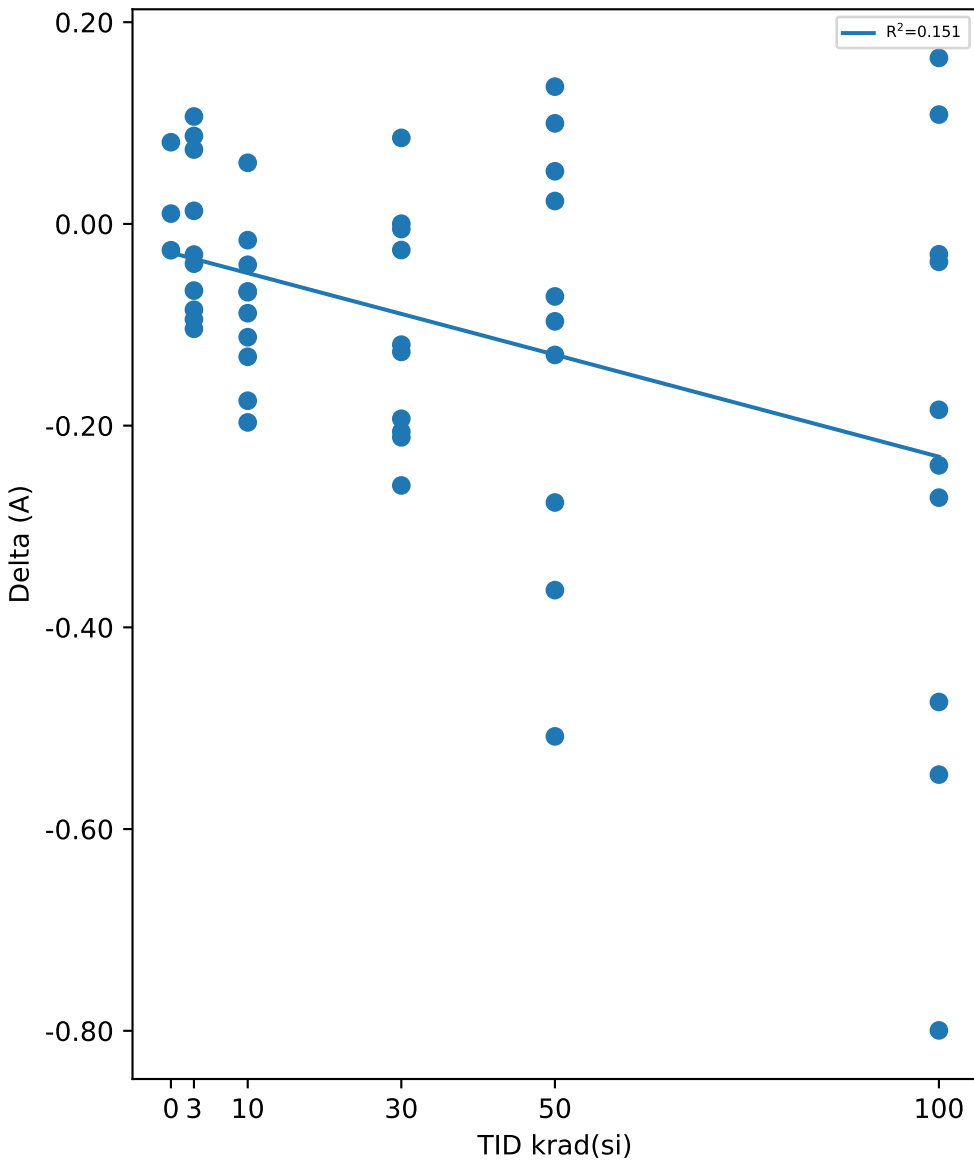
Test Statistics (A)

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	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

TID vs Result Stats



TID vs Post - Pre Exposure Delta



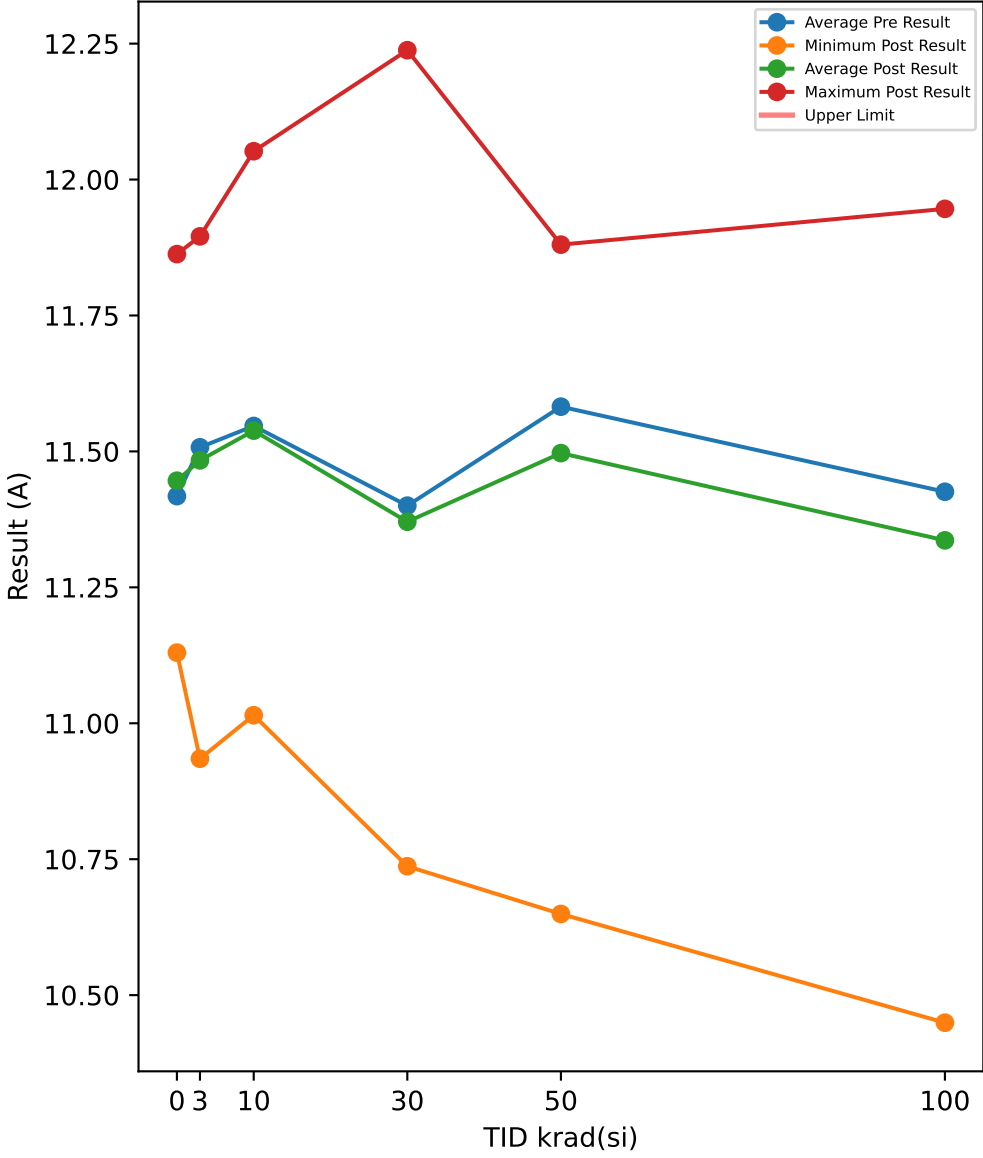
Test Results (No Limits Specified (A))

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

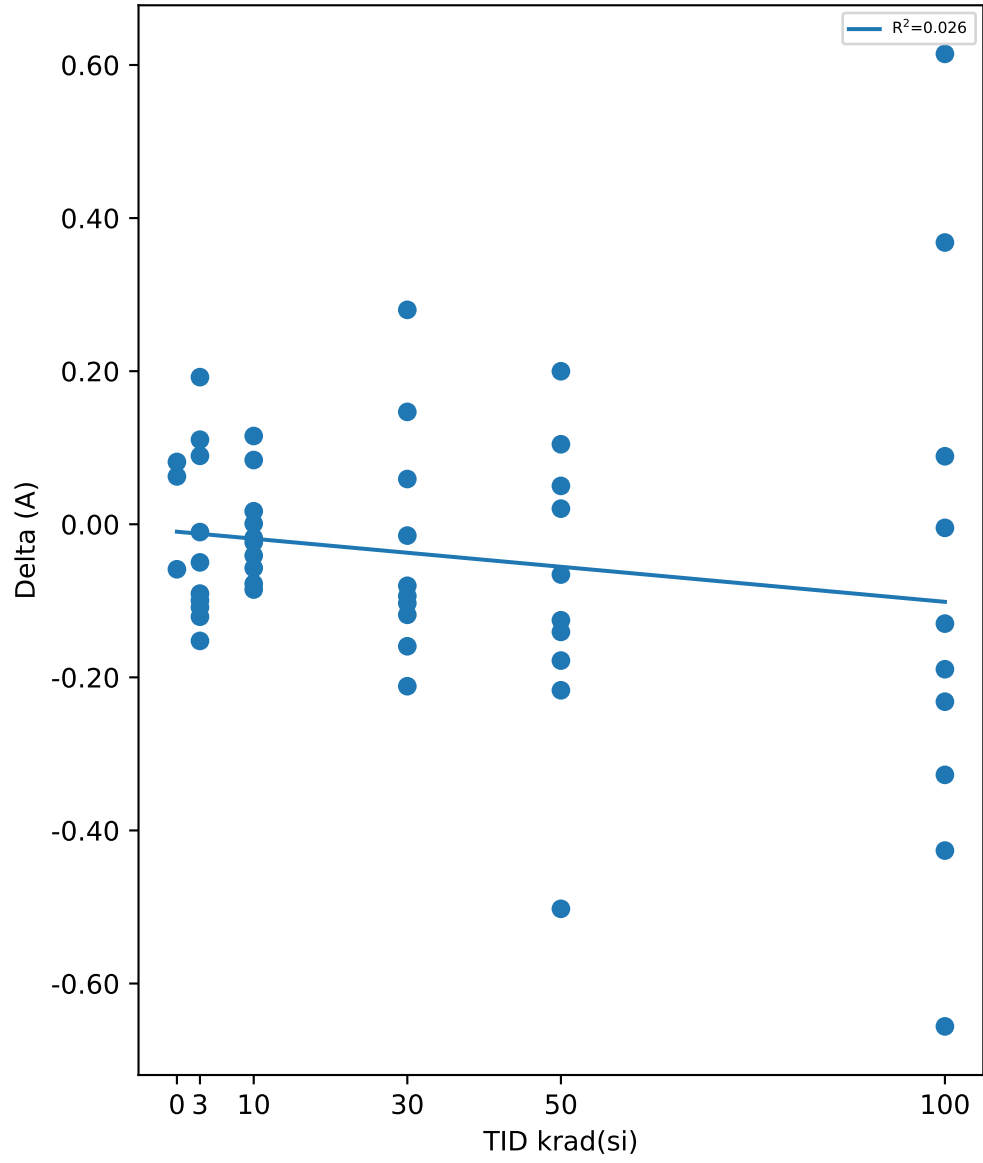
Test Statistics (A)

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

TID vs Result Stats



TID vs Post - Pre Exposure Delta



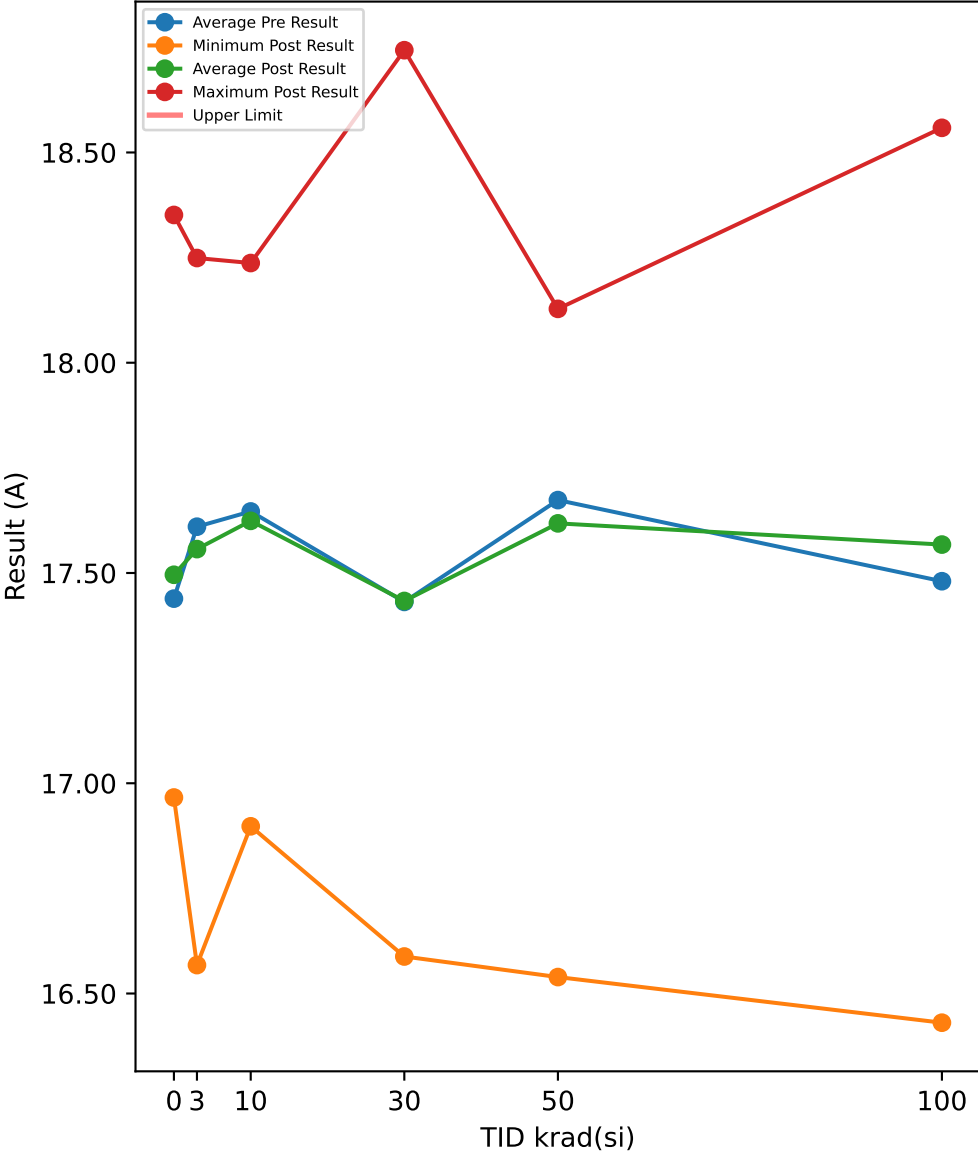
Test Results (No Limits Specified (A))

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

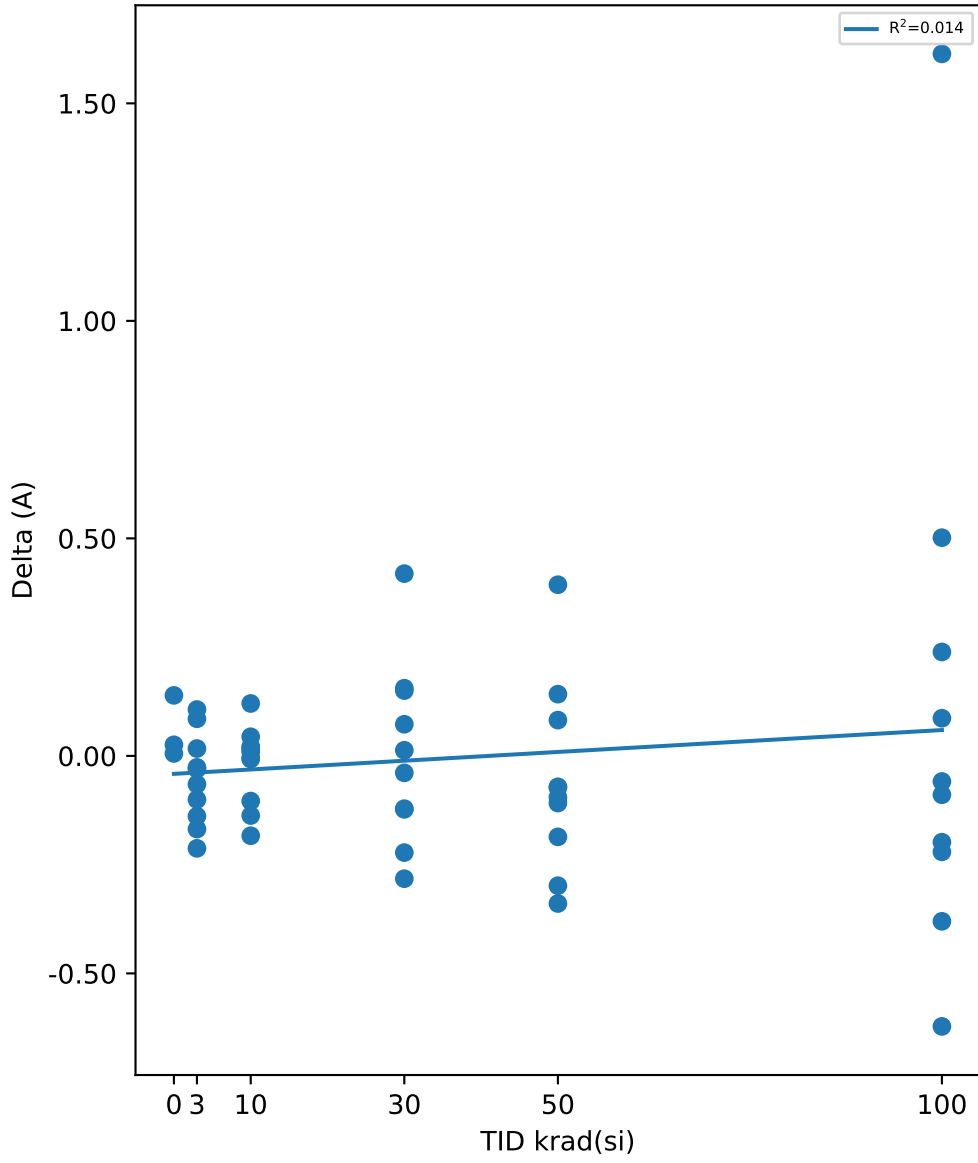
TID vs Result Stats



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

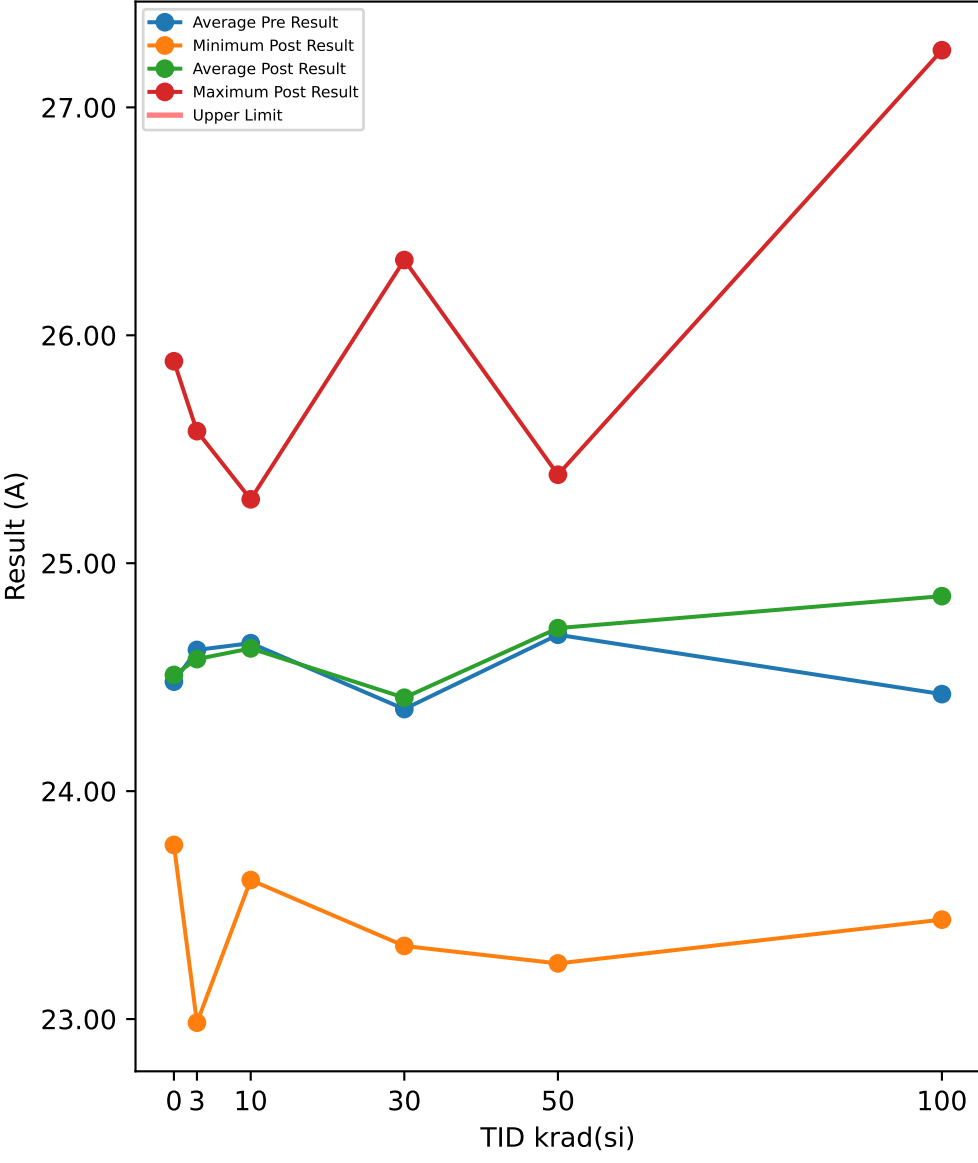
TID vs Post - Pre Exposure Delta



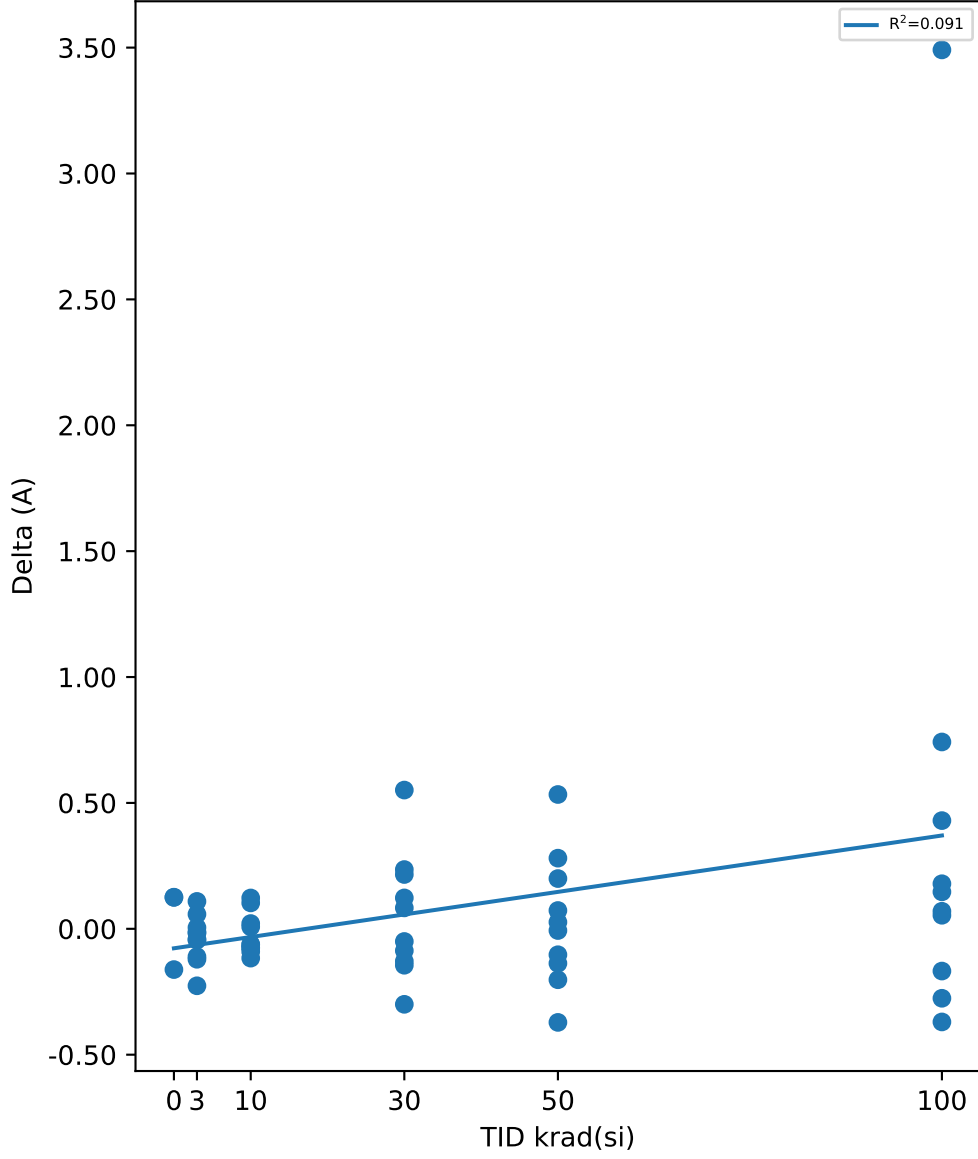
Test Statistics (A)

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	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

TID vs Result Stats



TID vs Post - Pre Exposure Delta

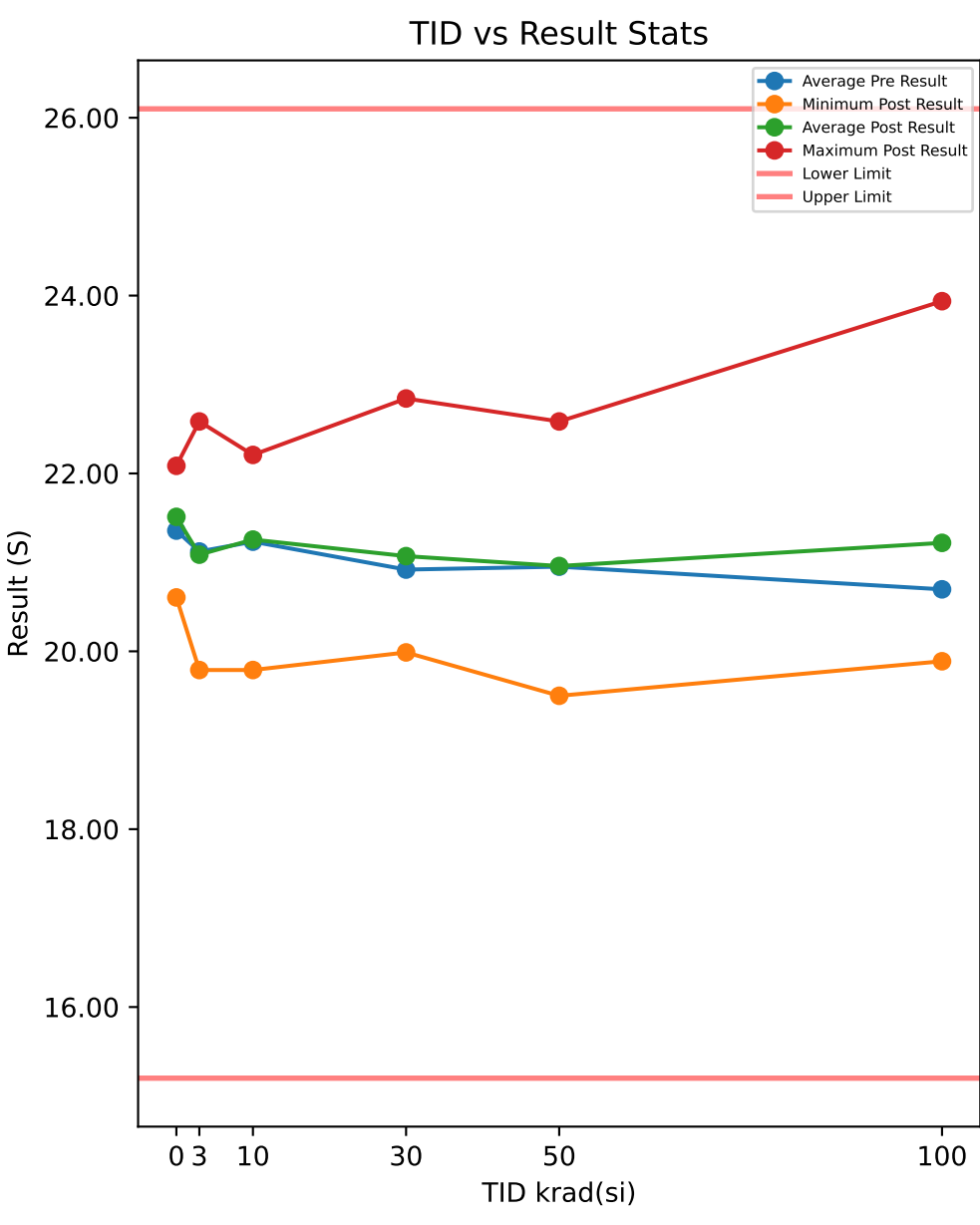


Test Results (No Limits Specified (A))

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

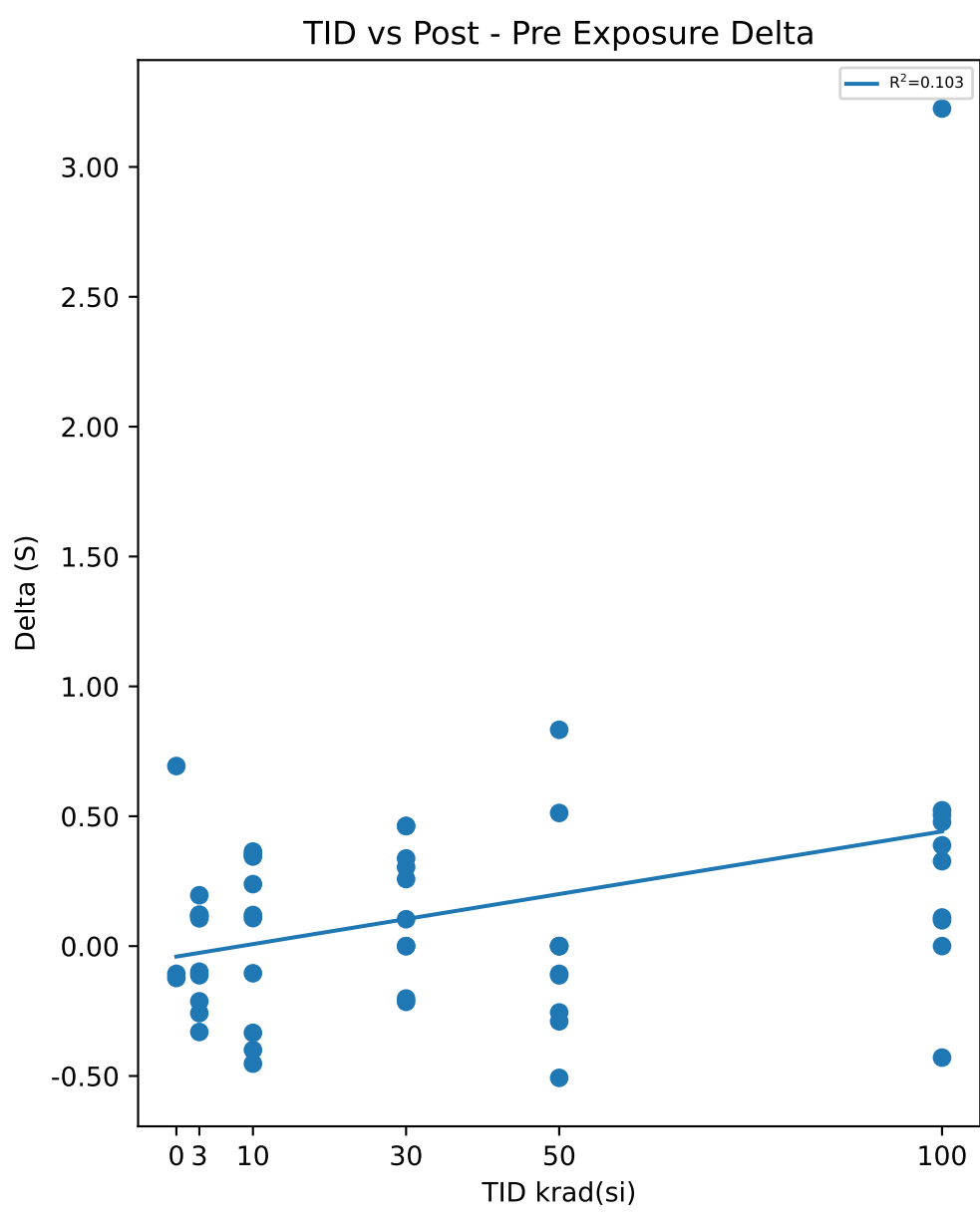
Test Statistics (A)

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



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

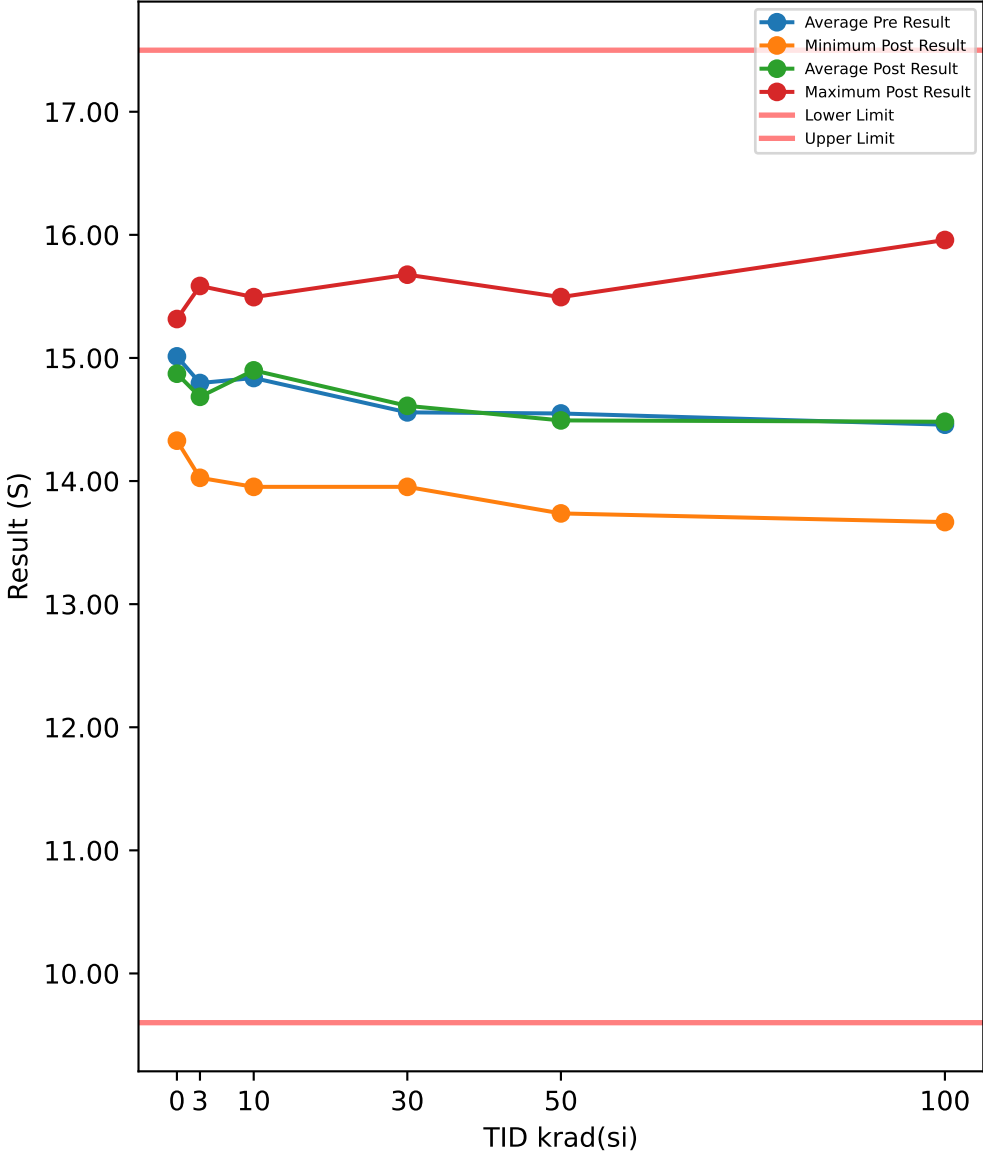
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
390	100	Biased	20.189	20.712	0.5231
392	100	Biased	20.929	20.5	-0.4293
393	100	Biased	20.292	20.292	0.0001
394	100	Biased	21.608	22.086	0.4777
395	100	Biased	20.712	21.04	0.327
412	100	Unbiased	19.888	19.988	0.0994
413	100	Unbiased	20.929	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

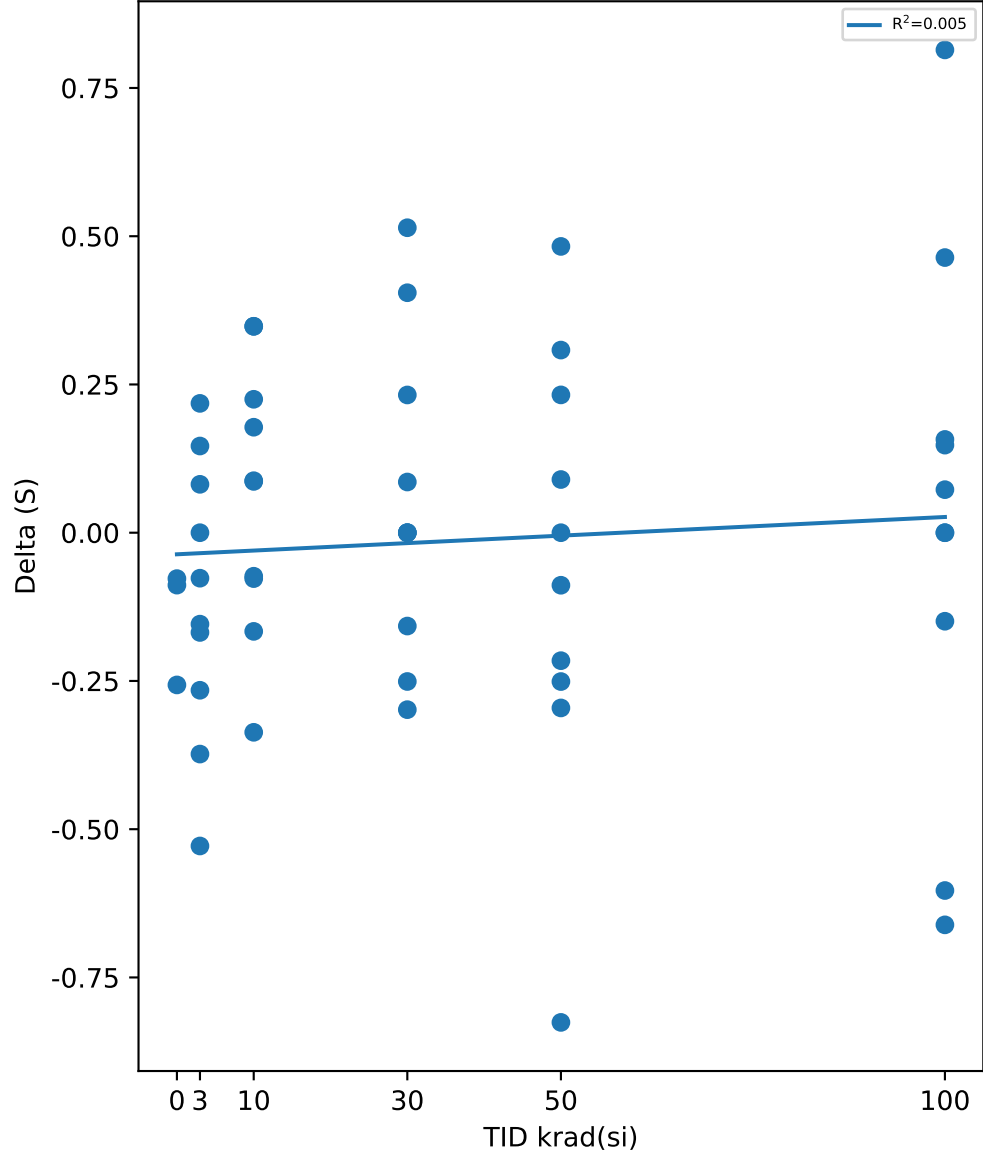
TID vs Result Stats



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

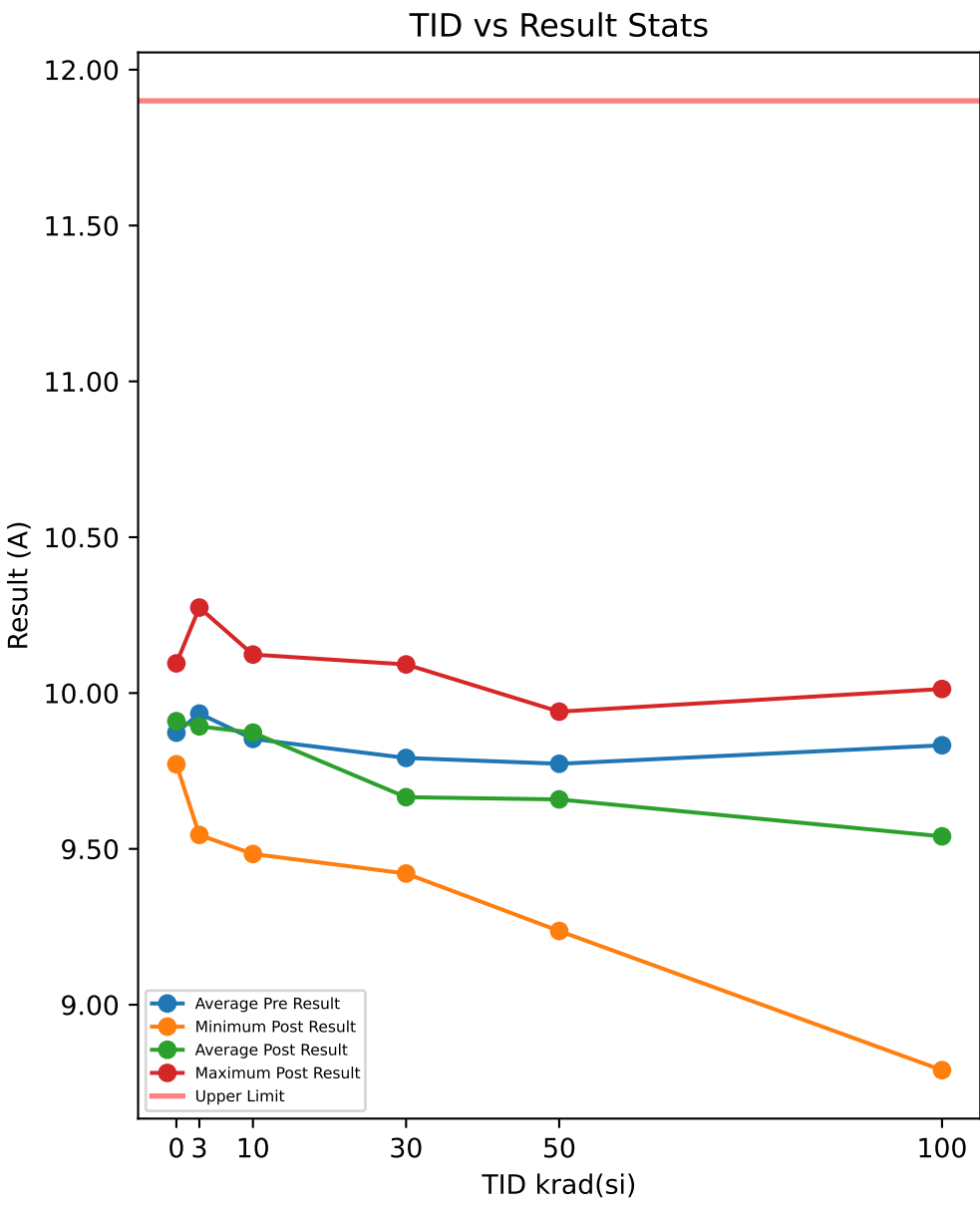
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
390	100	Biased	14.176	14.026	-0.1493
392	100	Biased	14.484	13.88	-0.6034
393	100	Biased	14.328	13.667	-0.6613
394	100	Biased	14.806	14.806	0
395	100	Biased	14.724	14.724	0
412	100	Unbiased	13.953	14.101	0.1477
413	100	Unbiased	14.405	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

TID vs Post - Pre Exposure Delta

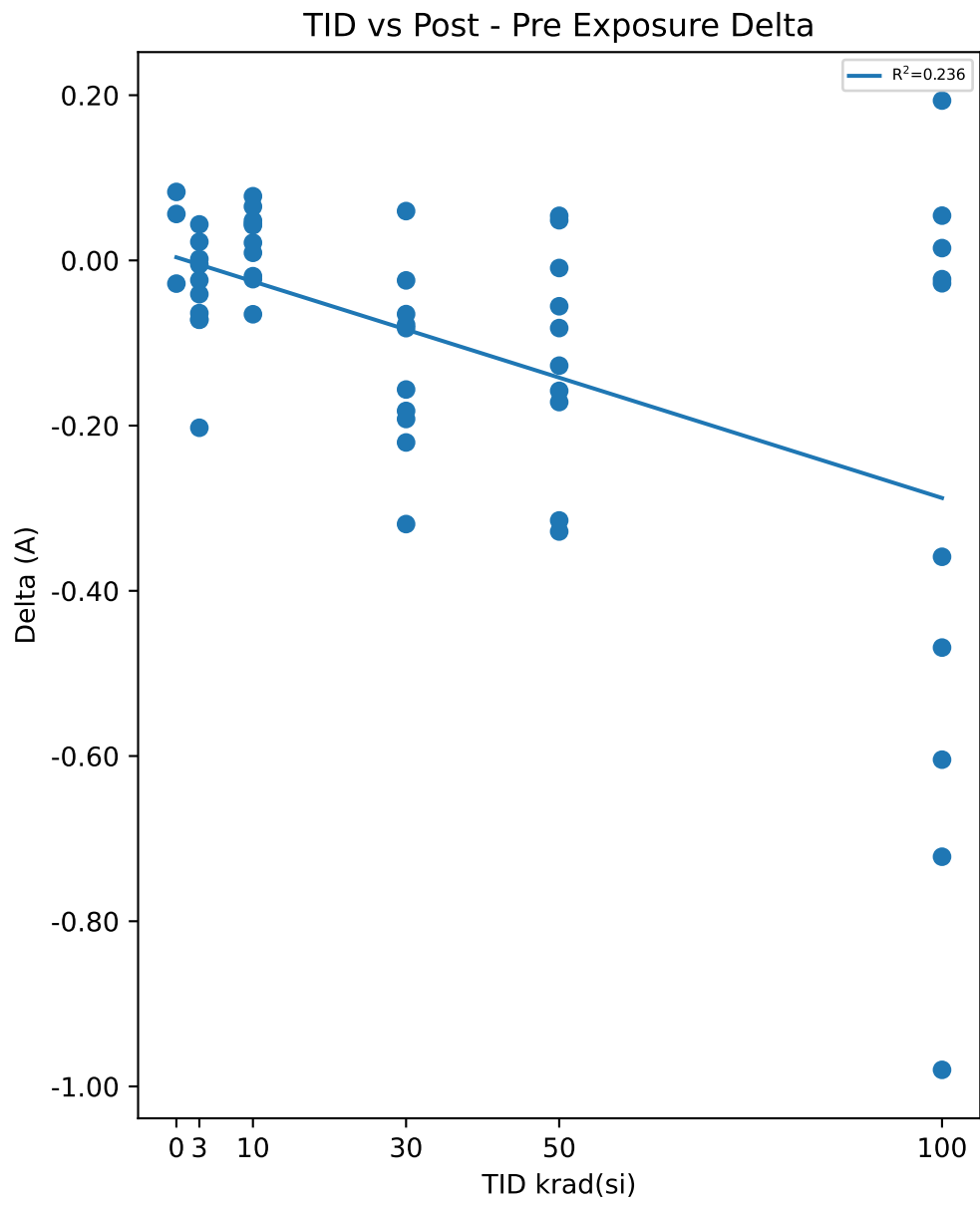


Test Statistics (S)

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

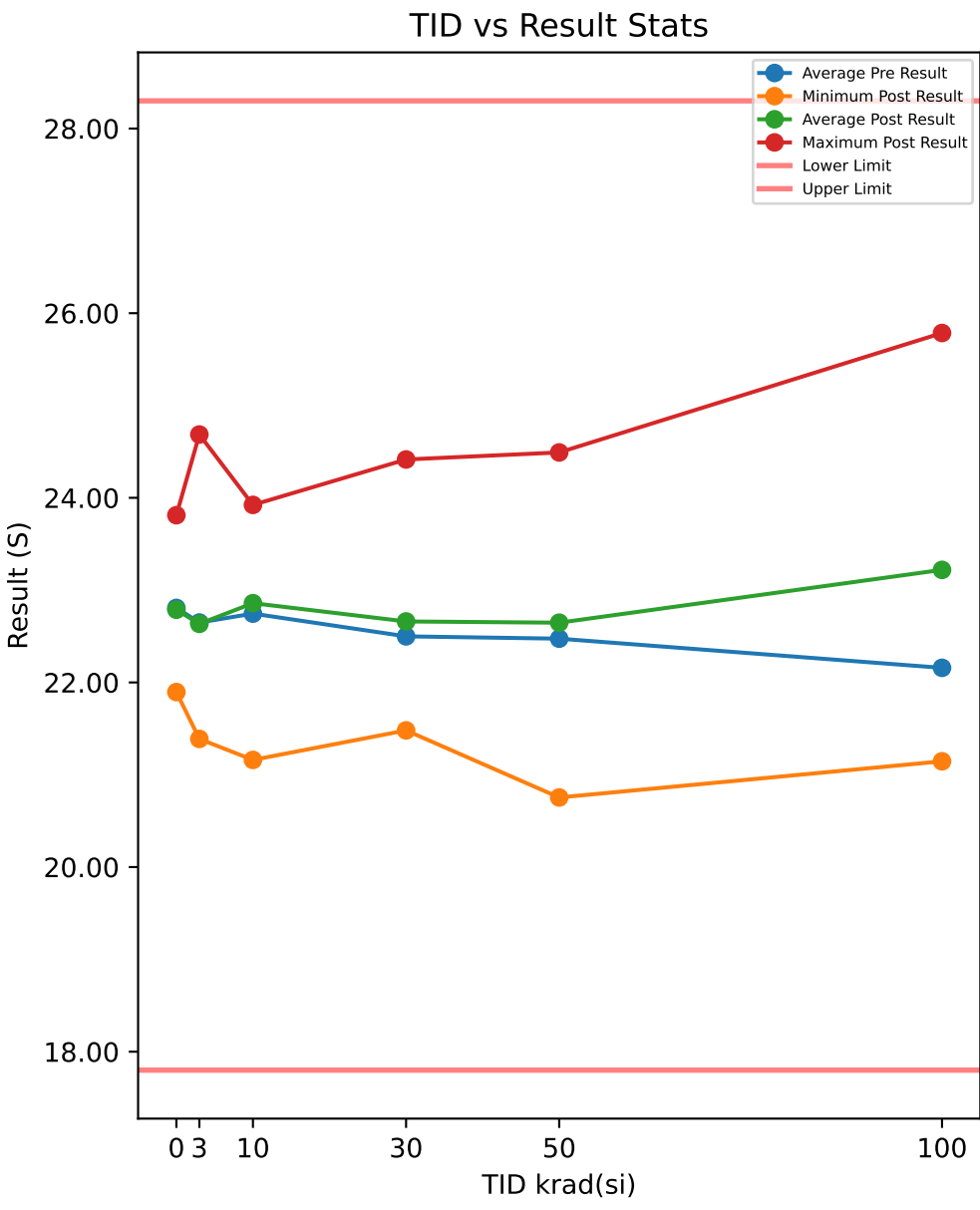


Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
390	100	Biased	10.019	9.6601	-0.3588
392	100	Biased	9.9093	9.1874	-0.7219
393	100	Biased	9.6201	9.0157	-0.6044
394	100	Biased	9.77	8.7901	-0.9799
395	100	Biased	9.9331	9.4644	-0.4687
412	100	Unbiased	9.9982	10.013	0.0149
413	100	Unbiased	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



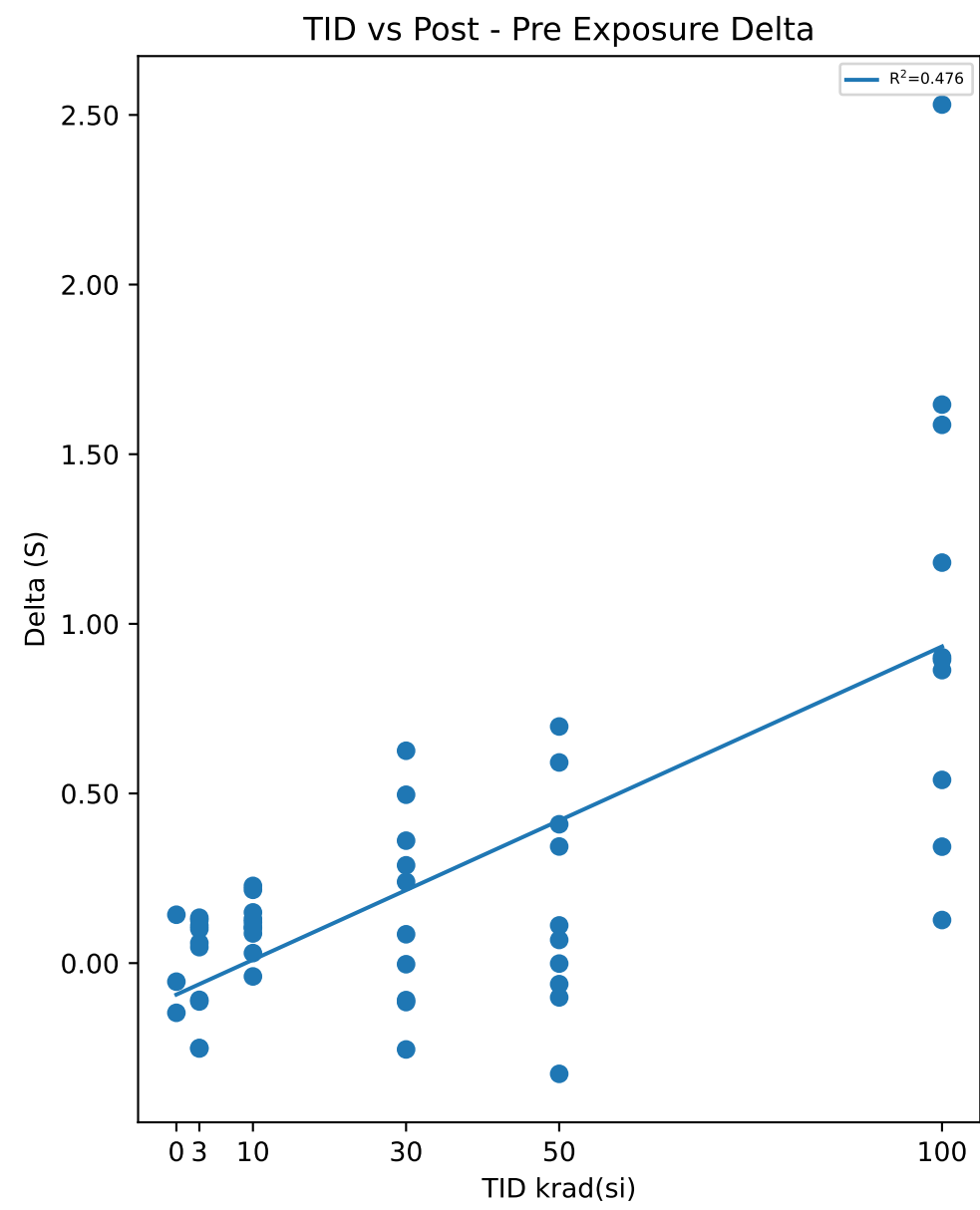
Test Statistics (A)

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



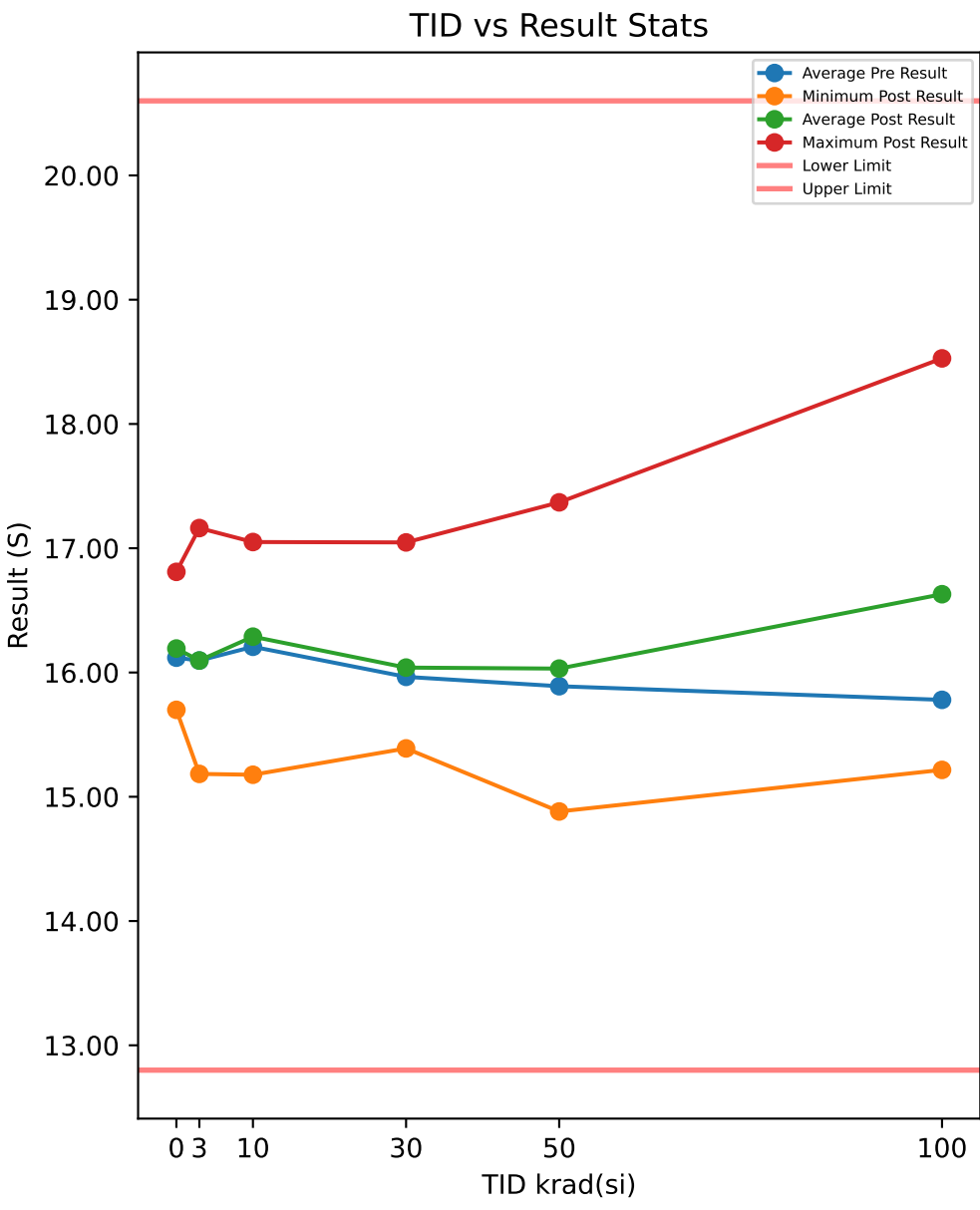
Test Results (Lower Limit = 17.8, Upper Limit = 28.3 (S))

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



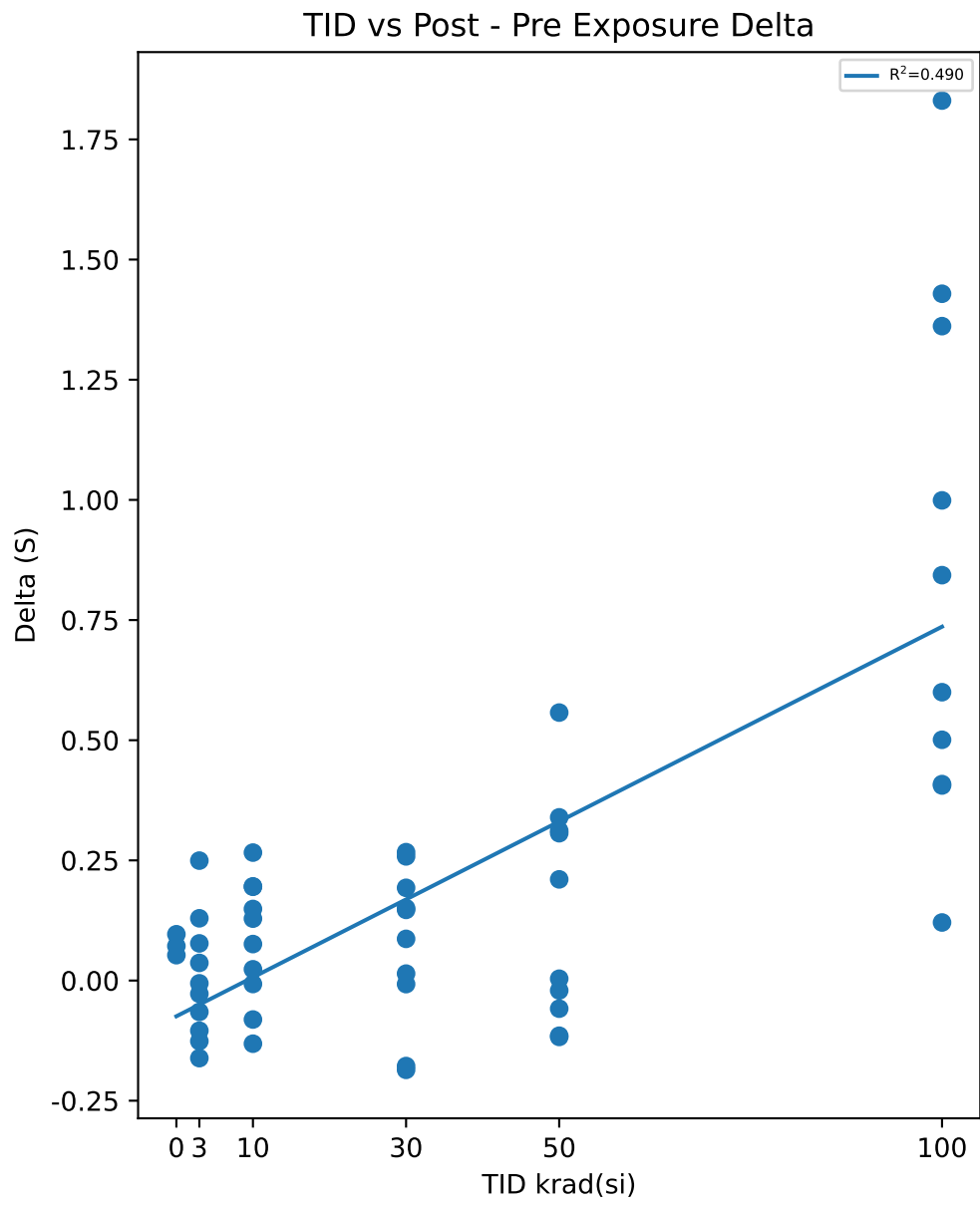
Test Statistics (S)

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



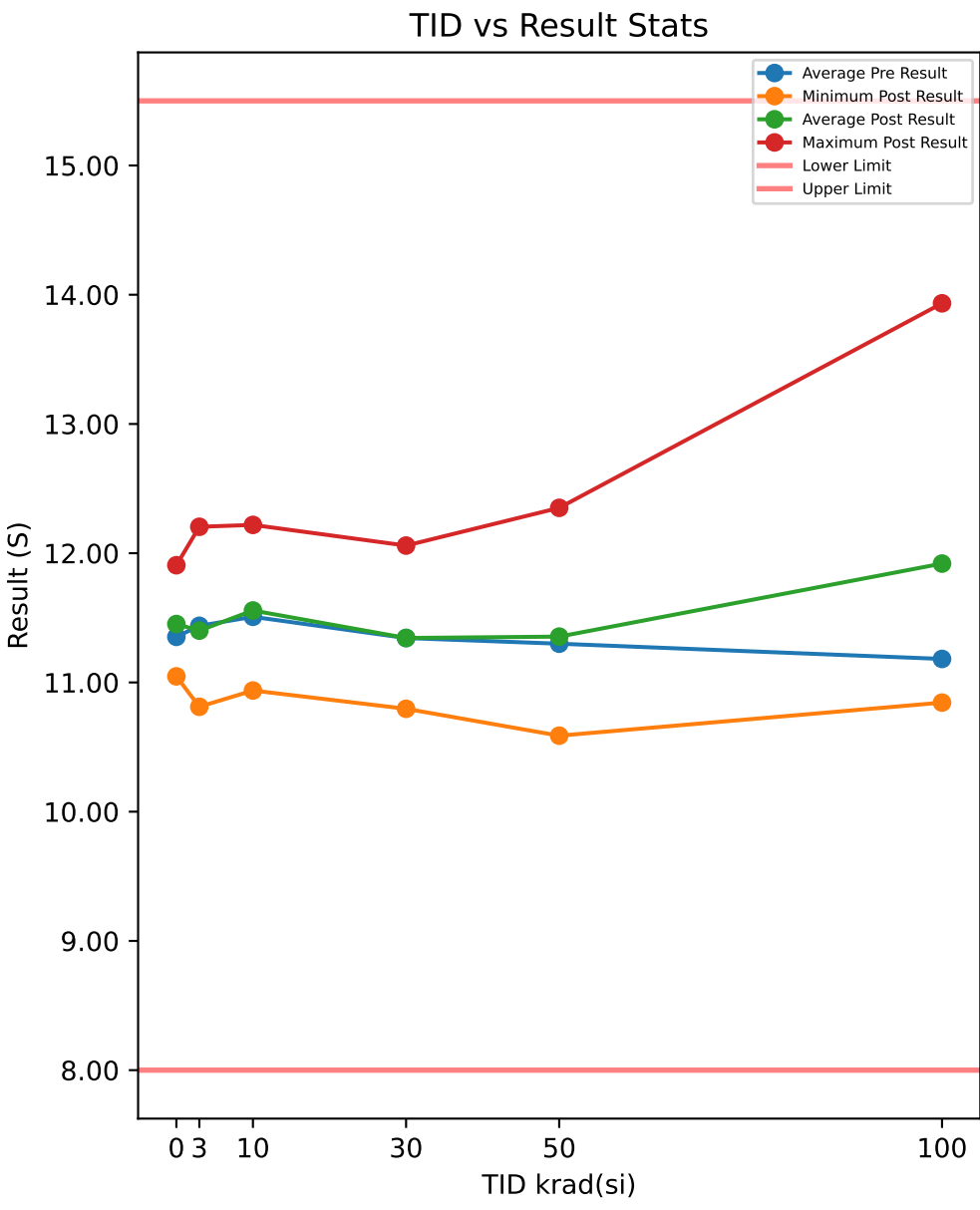
Test Results (Lower Limit = 12.8, Upper Limit = 20.6 (S))

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



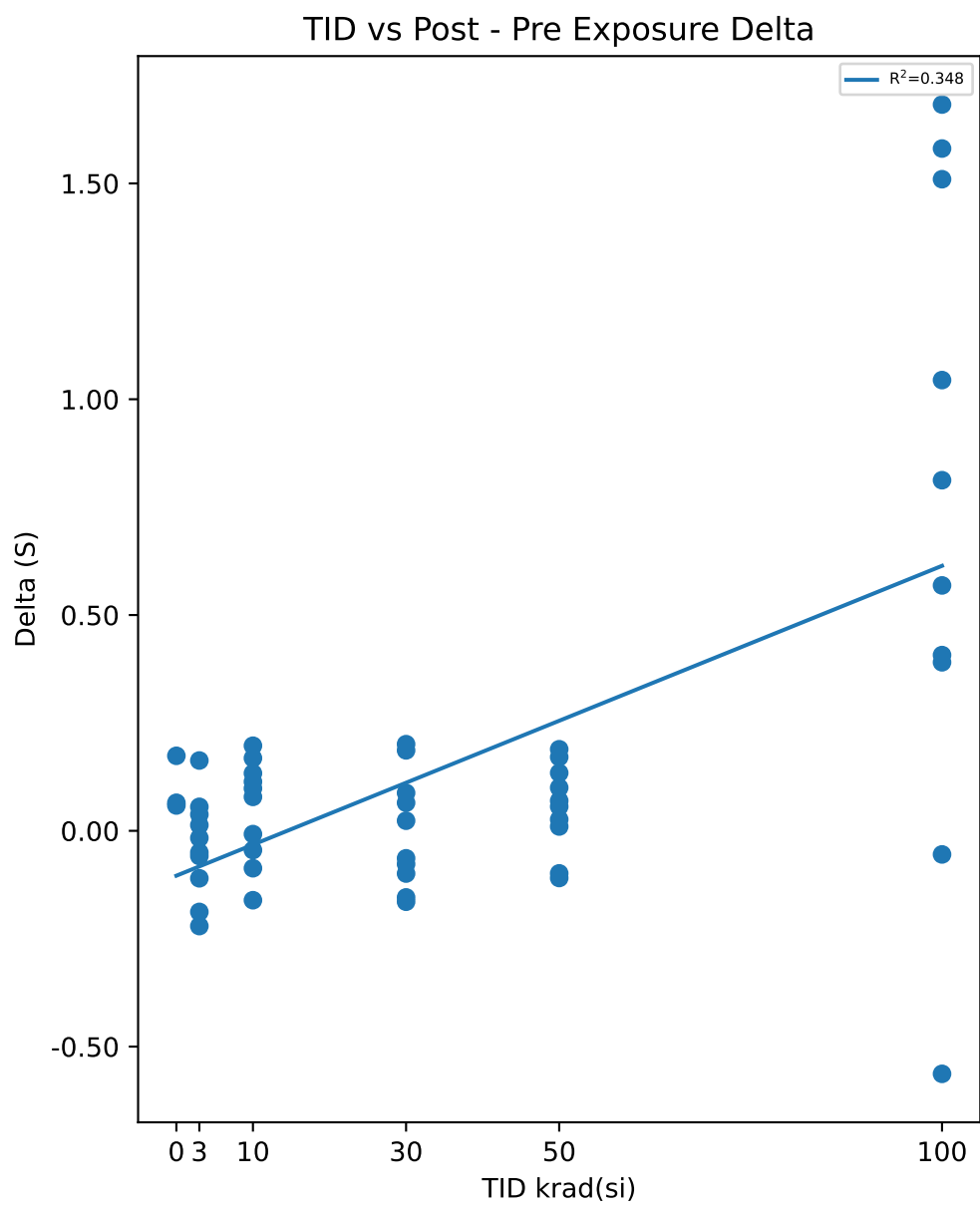
Test Statistics (S)

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



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

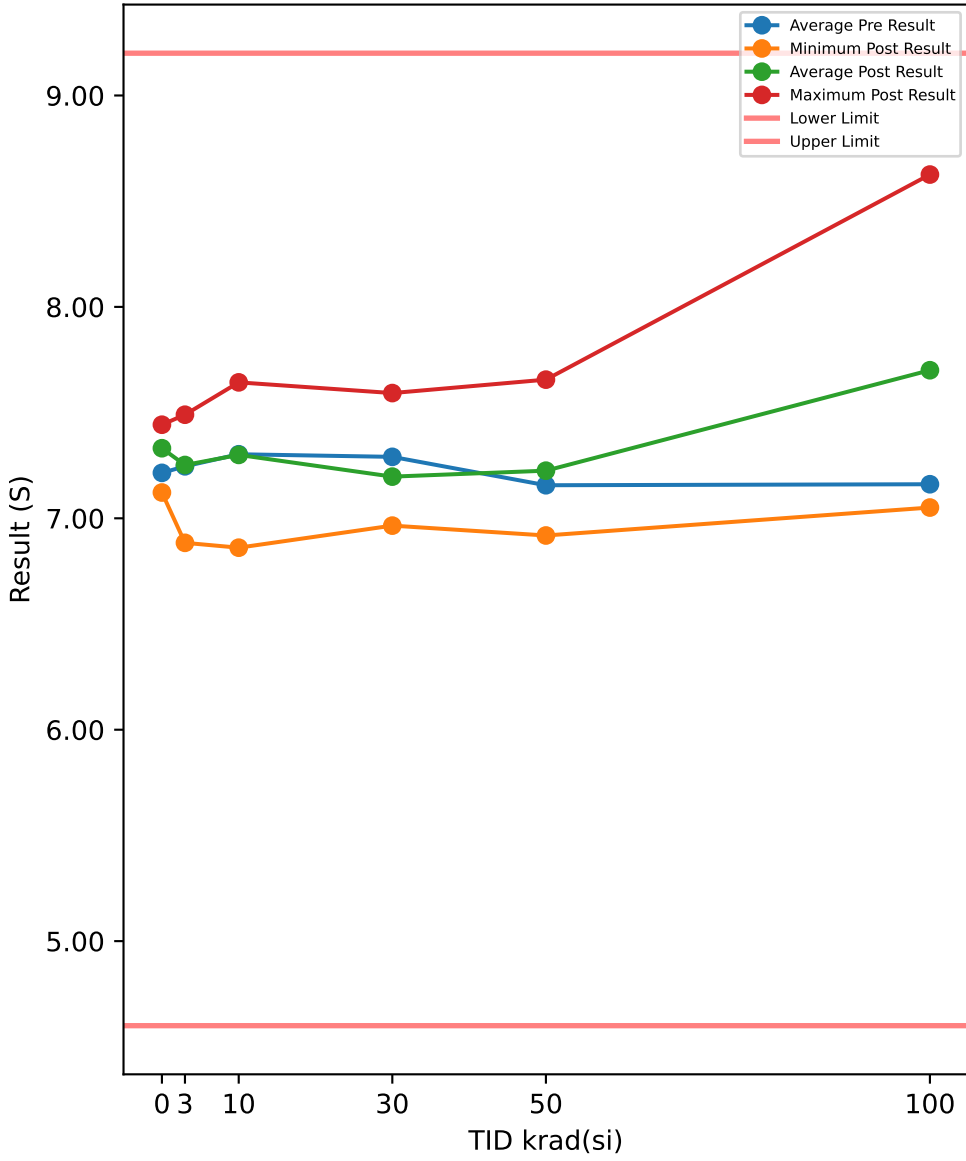
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
390	100	Biased	10.736	12.246	1.5098
392	100	Biased	11.198	11.143	-0.0547
393	100	Biased	11.072	12.117	1.0444
394	100	Biased	11.407	10.844	-0.5631
395	100	Biased	11.338	11.729	0.3905
412	100	Unbiased	10.529	10.936	0.4072
413	100	Unbiased	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

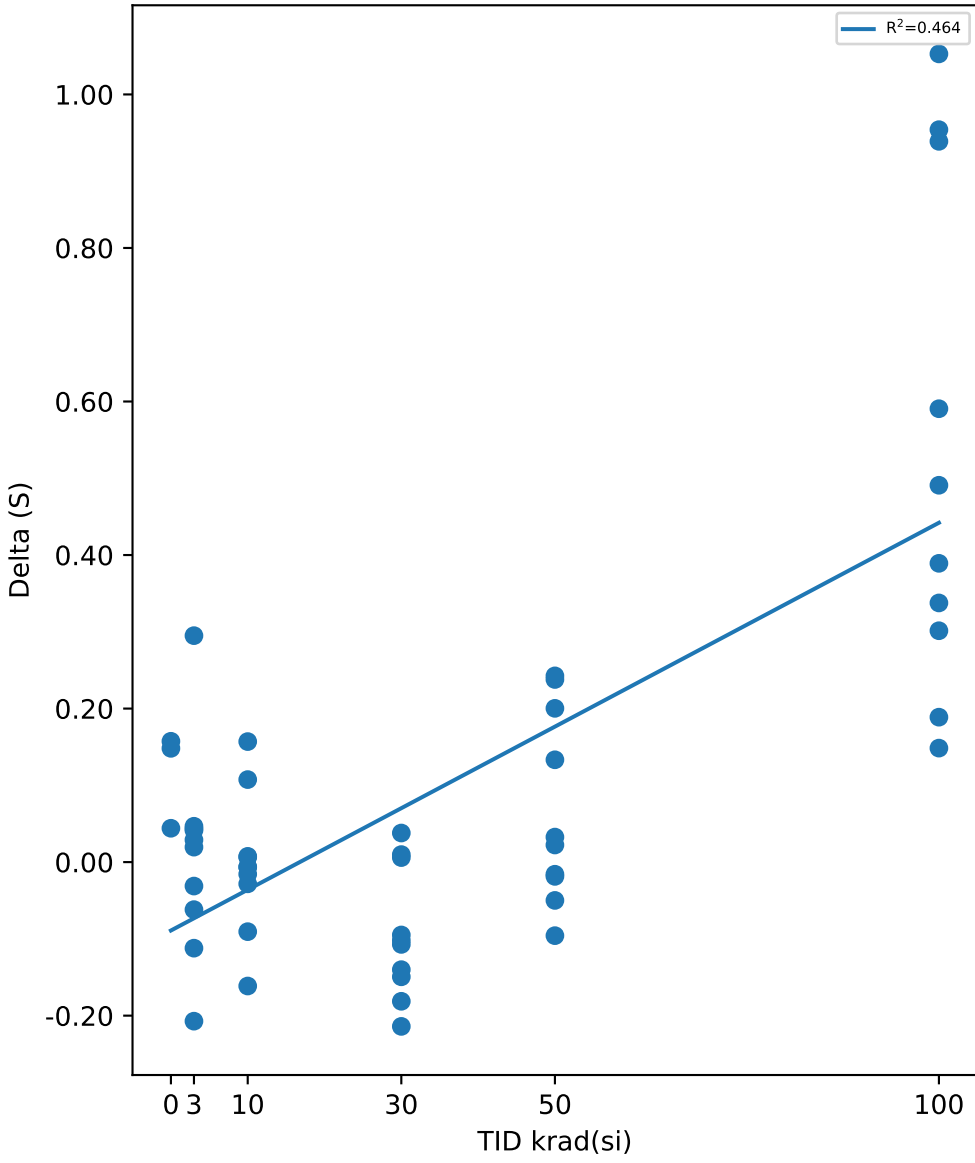
TID vs Result Stats



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

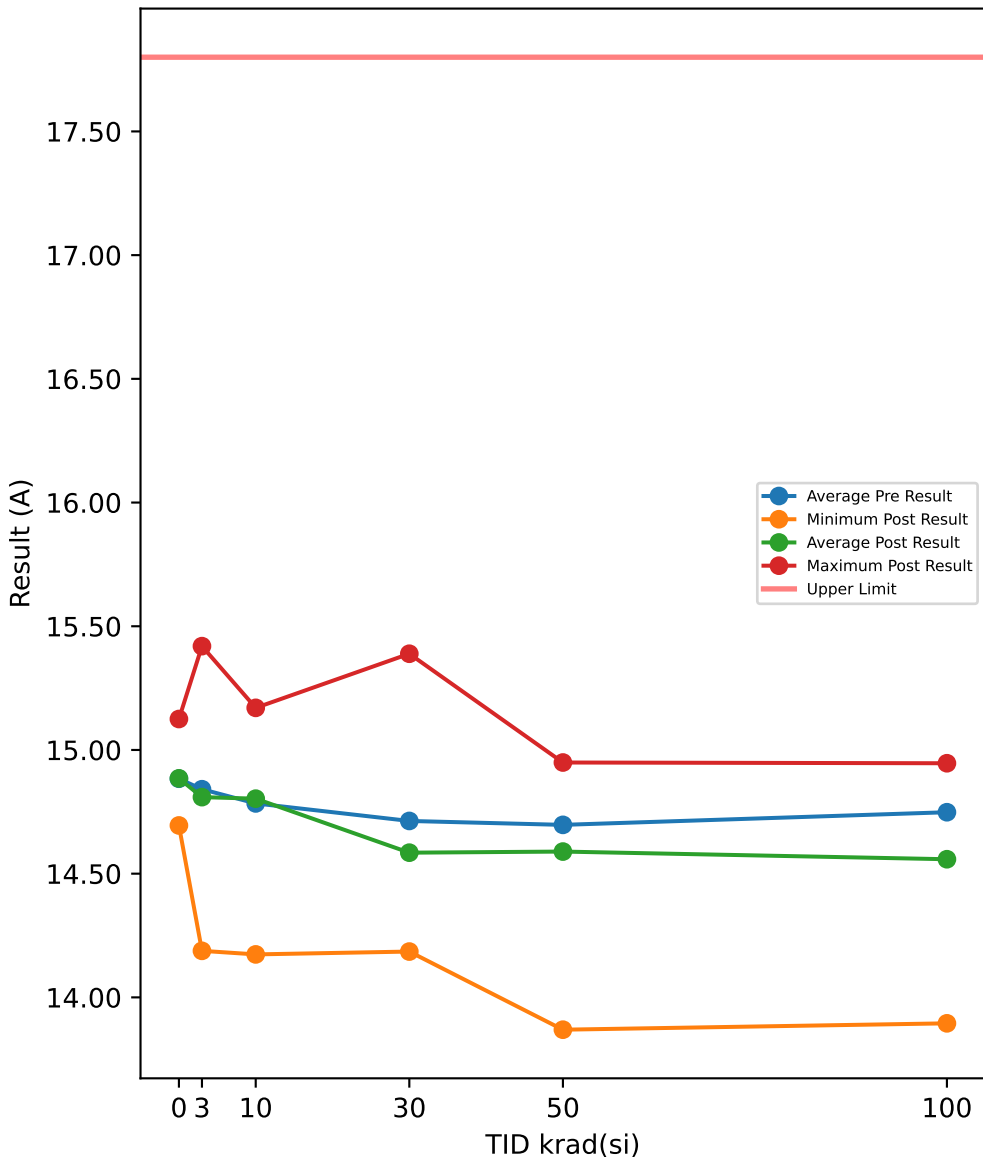
TID vs Post - Pre Exposure Delta



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

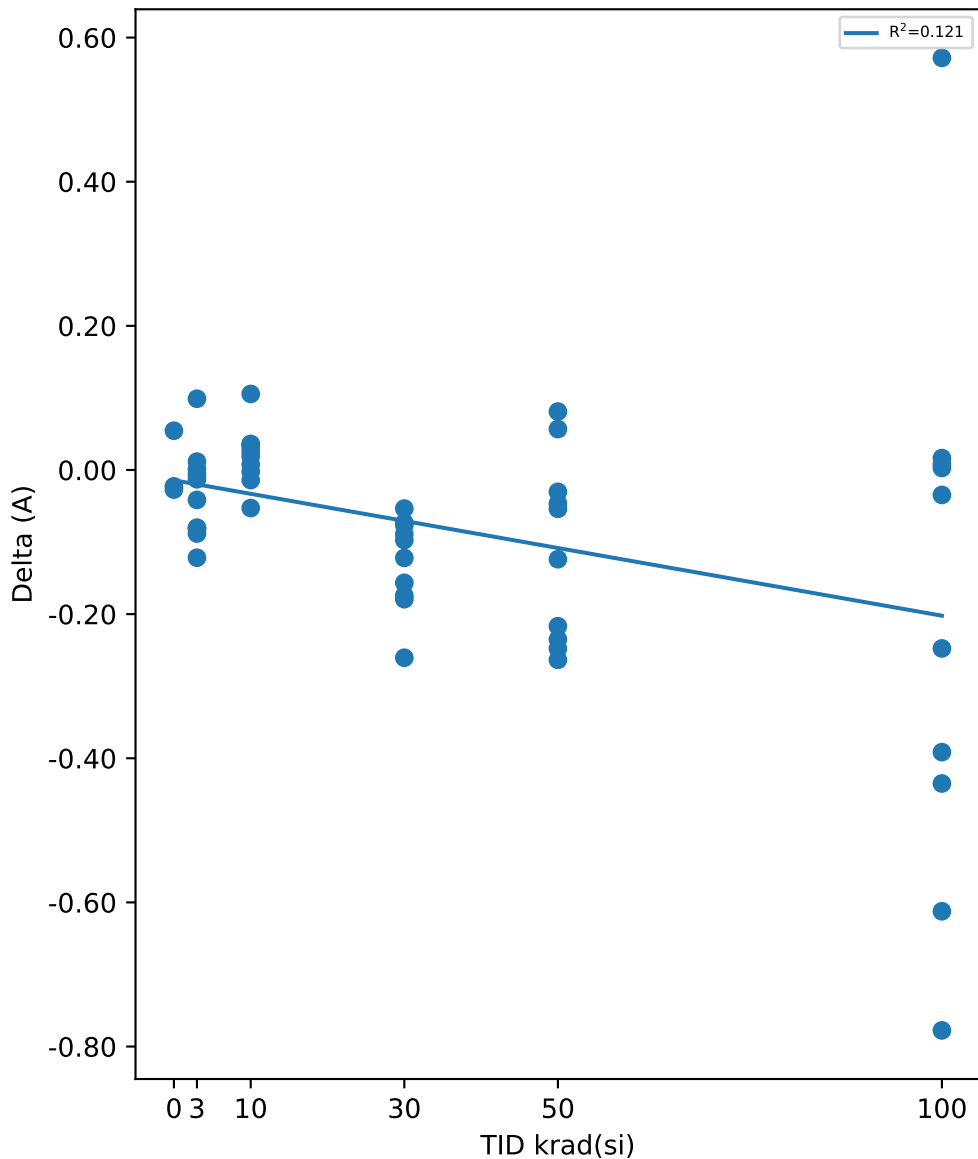
TID vs Result Stats



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

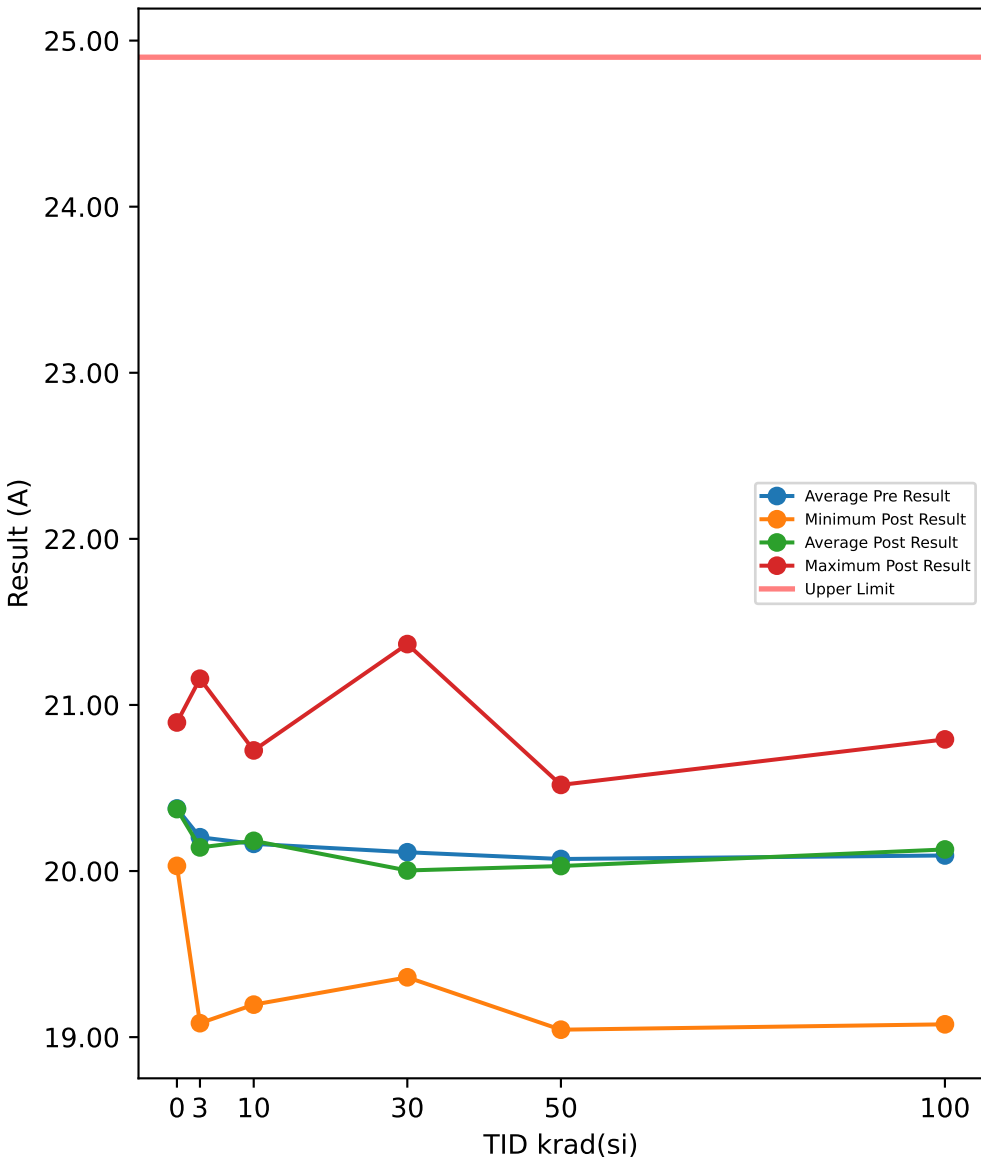
TID vs Post - Pre Exposure Delta



Test Statistics (A)

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	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

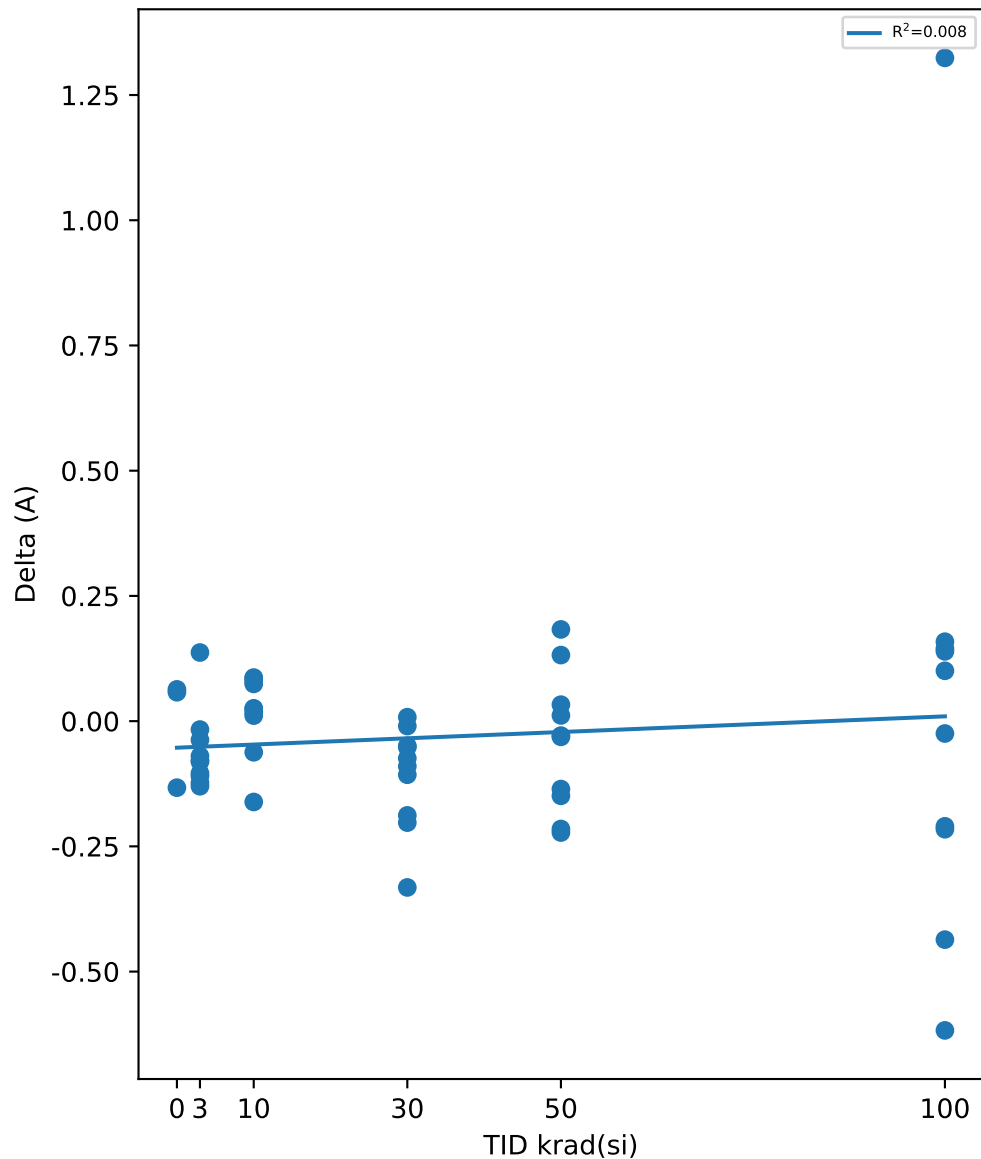
TID vs Result Stats



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

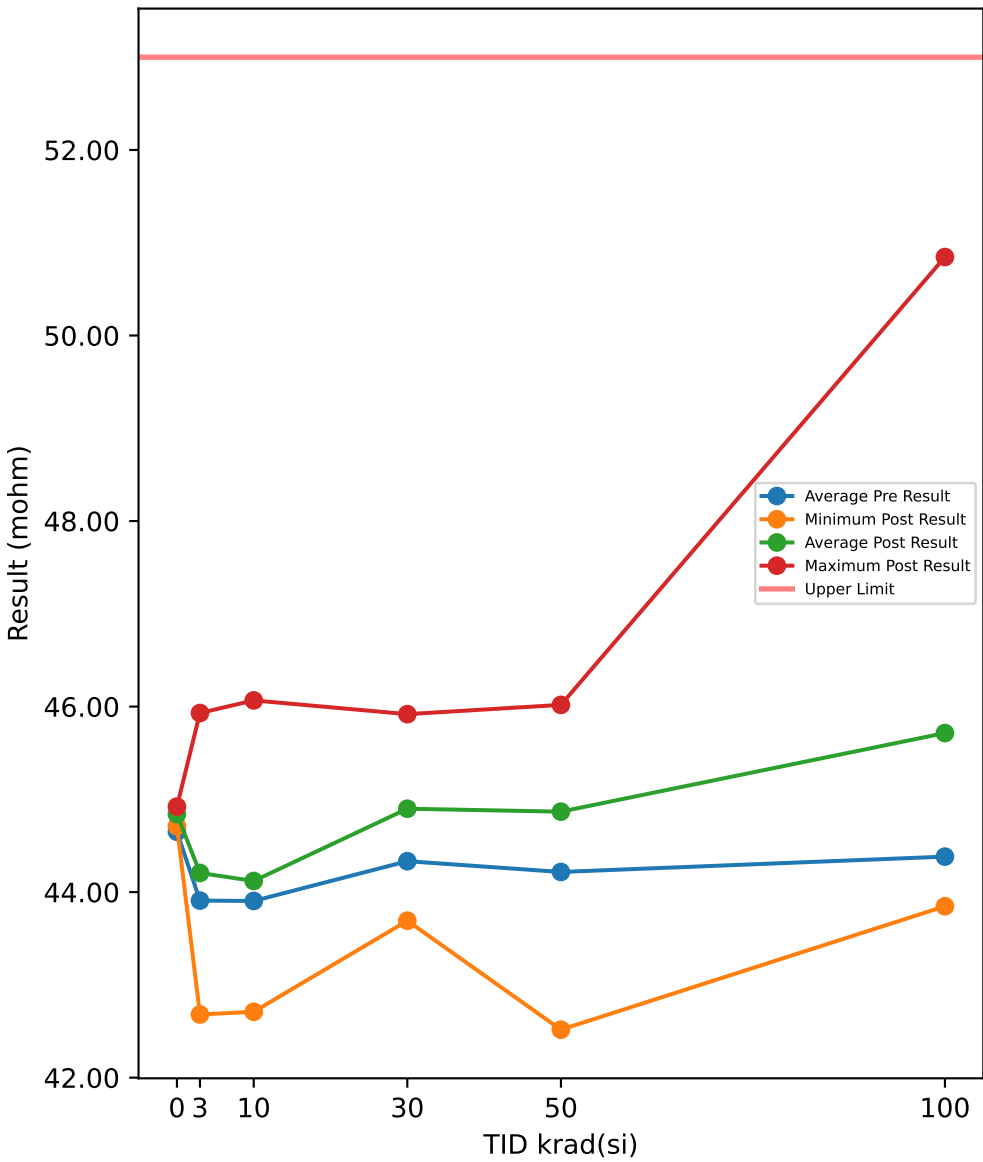
TID vs Post - Pre Exposure Delta



Test Statistics (A)

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	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

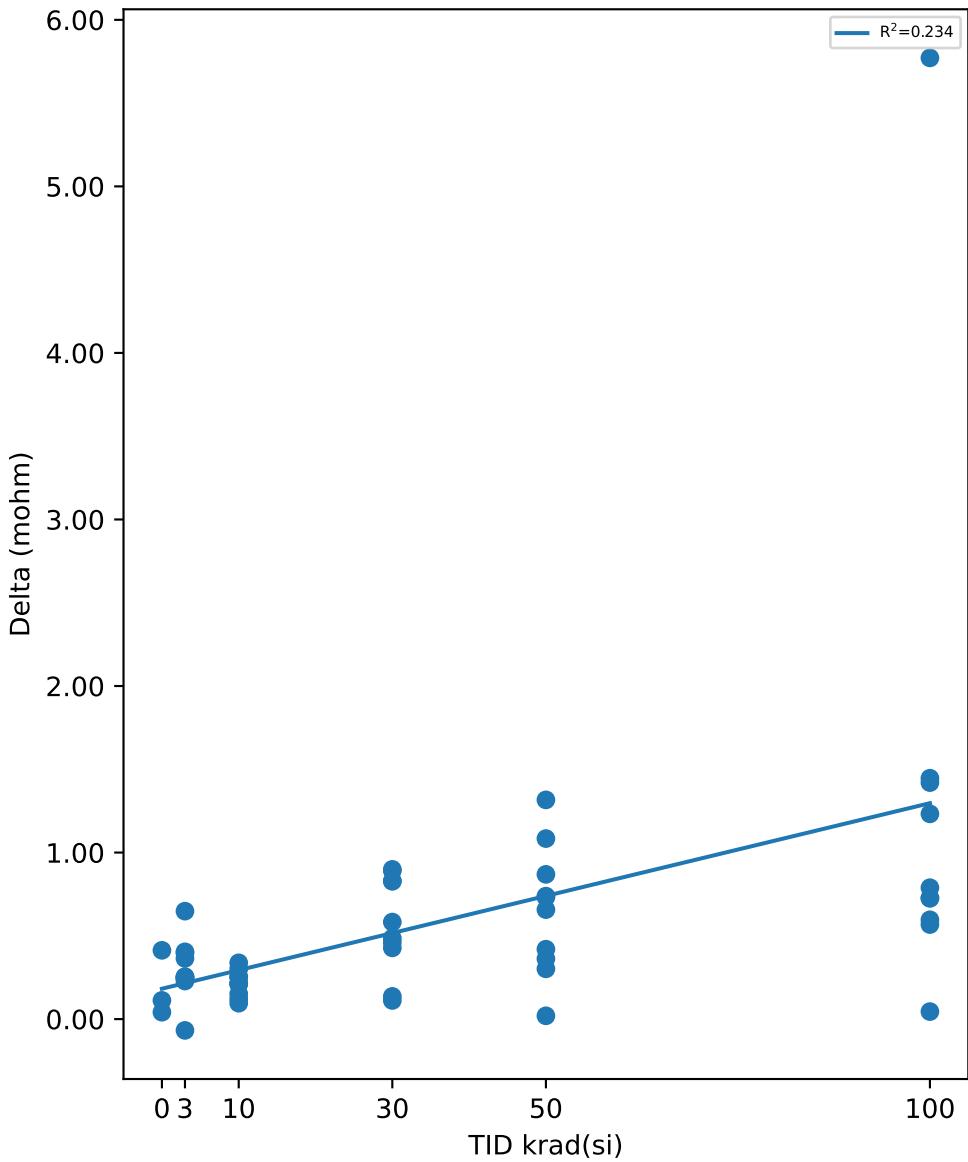
TID vs Result Stats



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

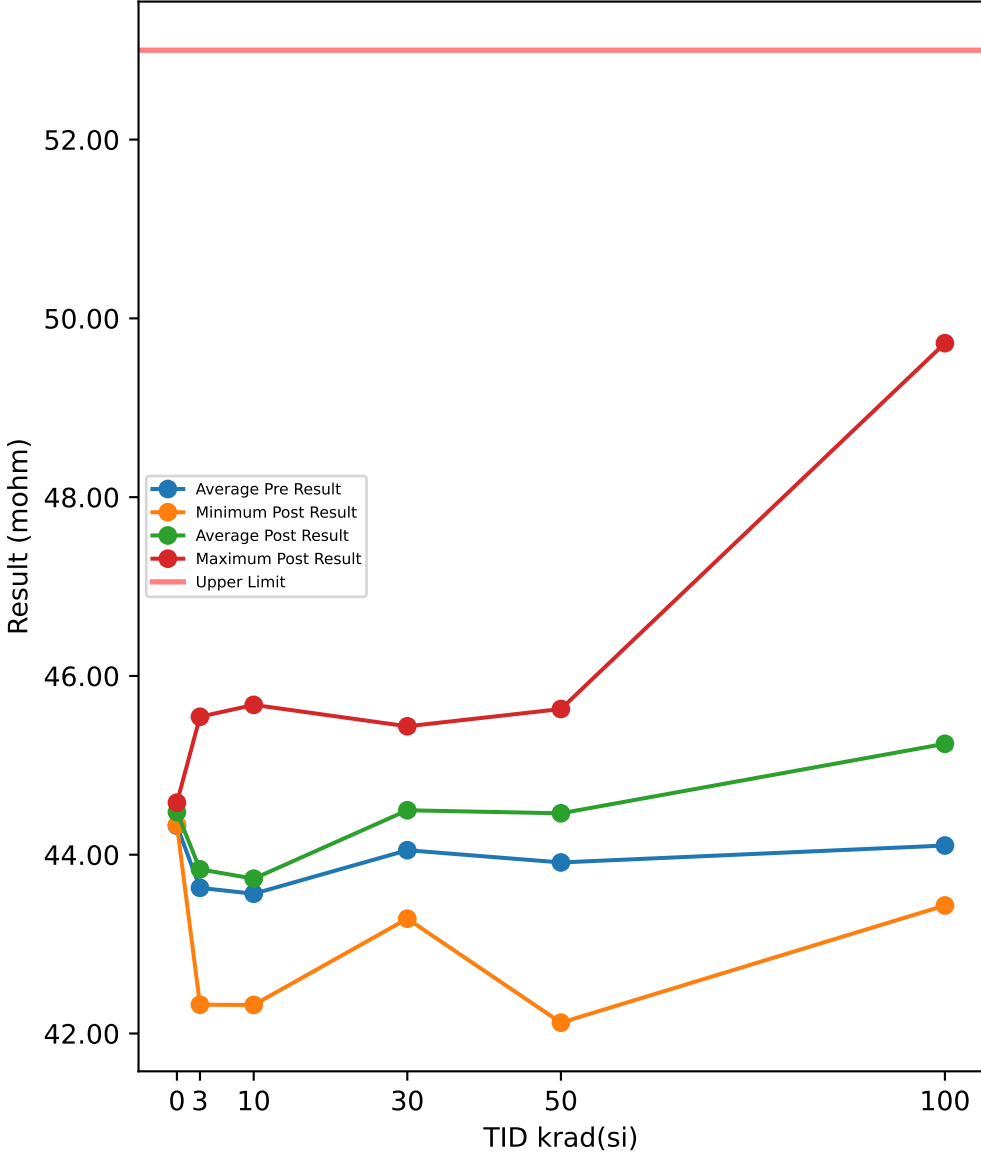
TID vs Post - Pre Exposure Delta



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

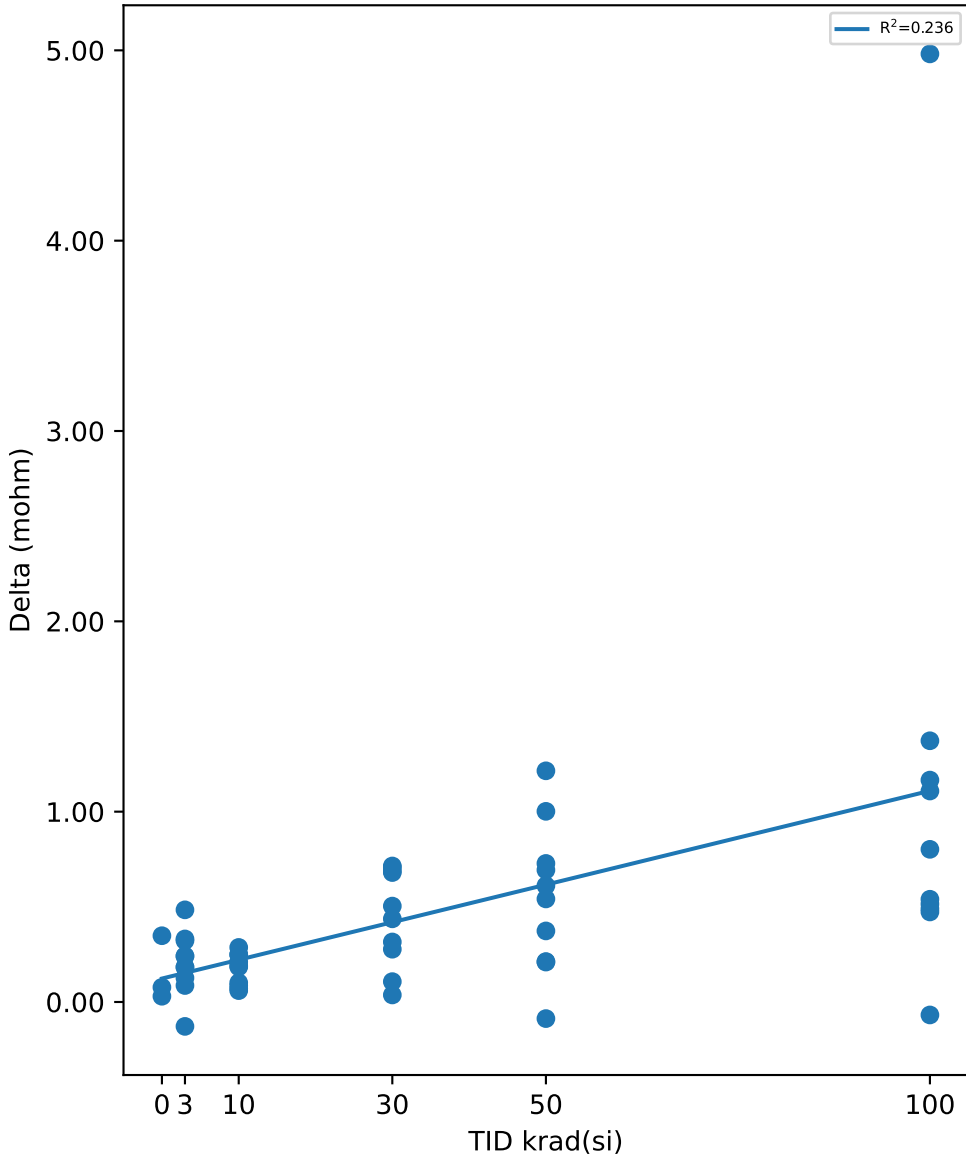
TID vs Result Stats



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

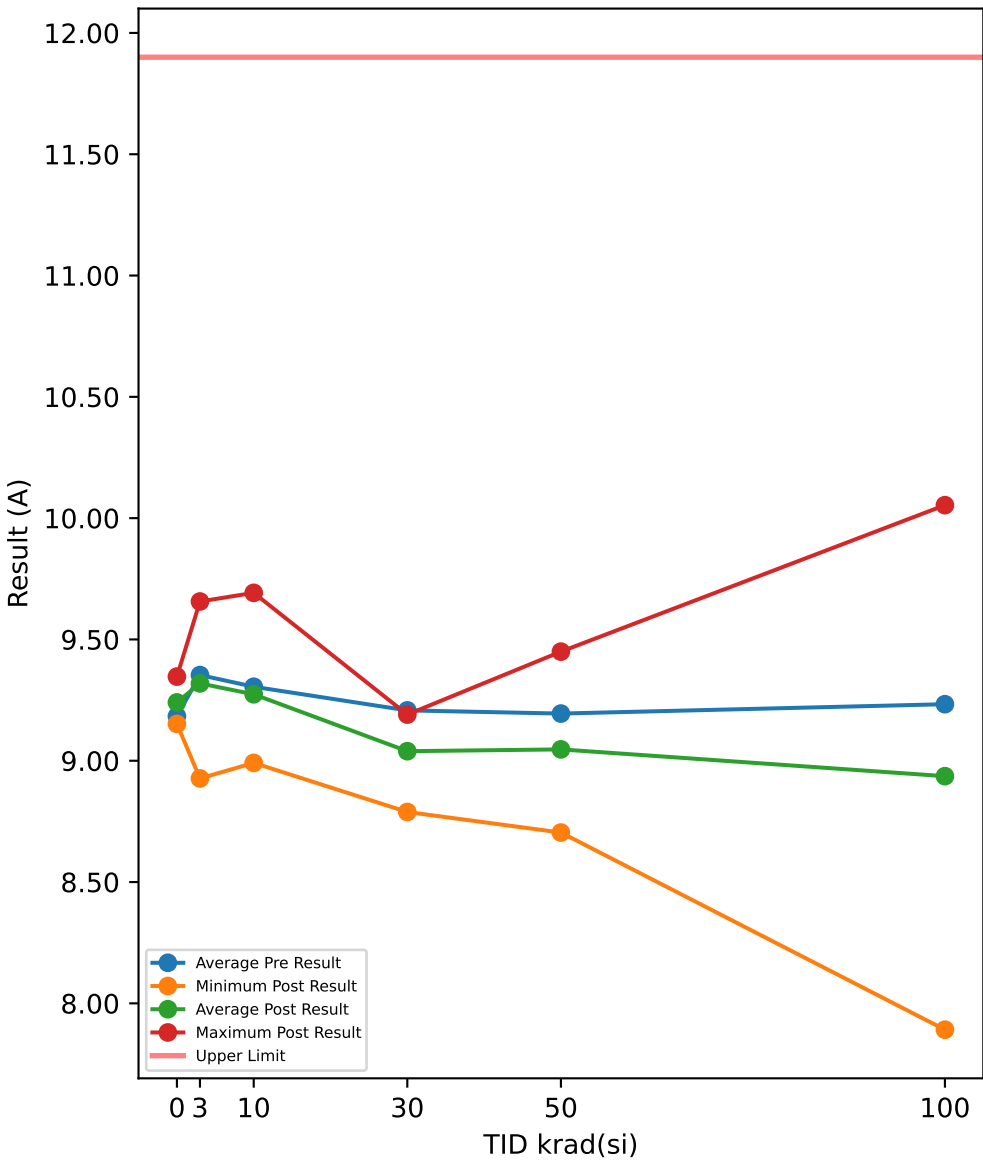
TID vs Post - Pre Exposure Delta



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

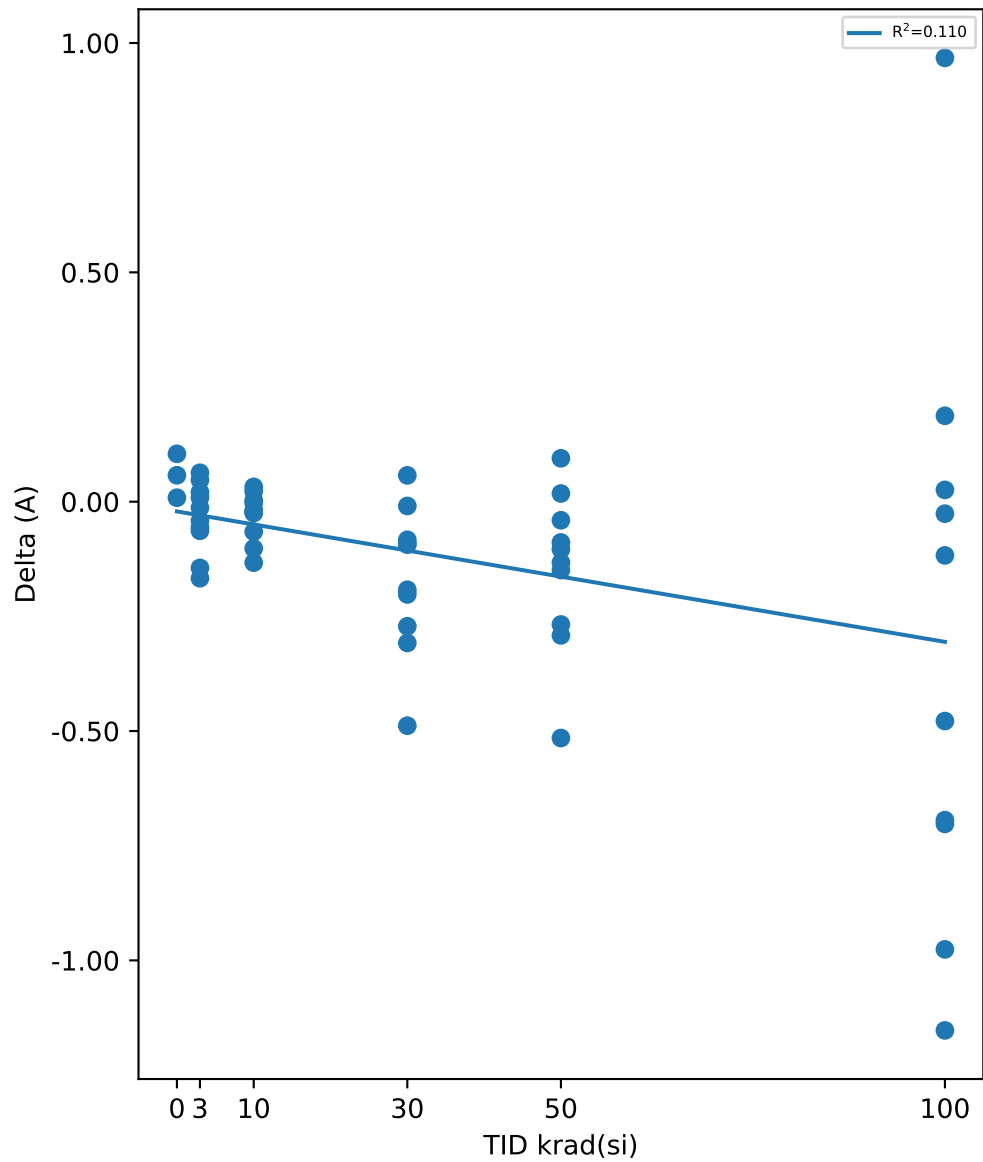
TID vs Result Stats



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

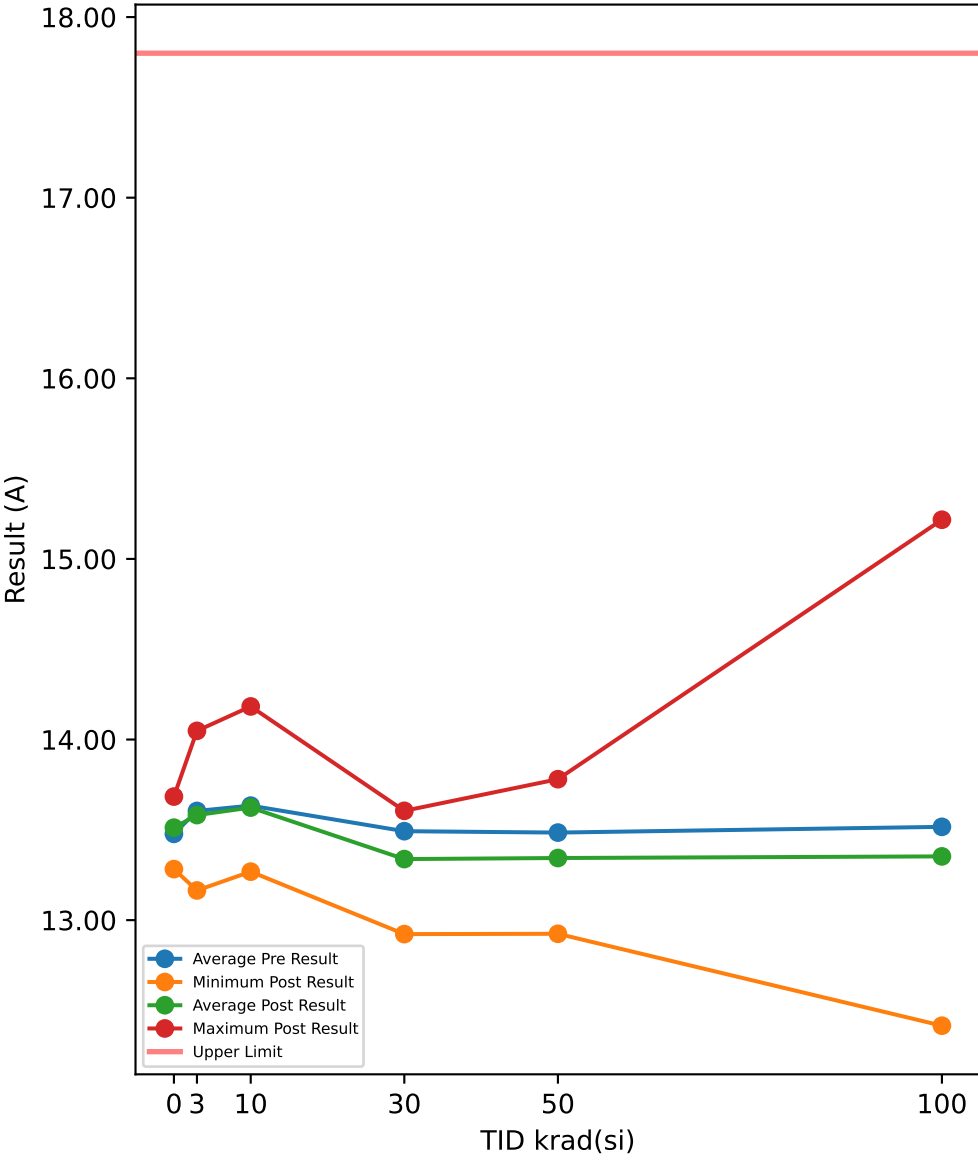
TID vs Post - Pre Exposure Delta



Test Statistics (A)

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	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

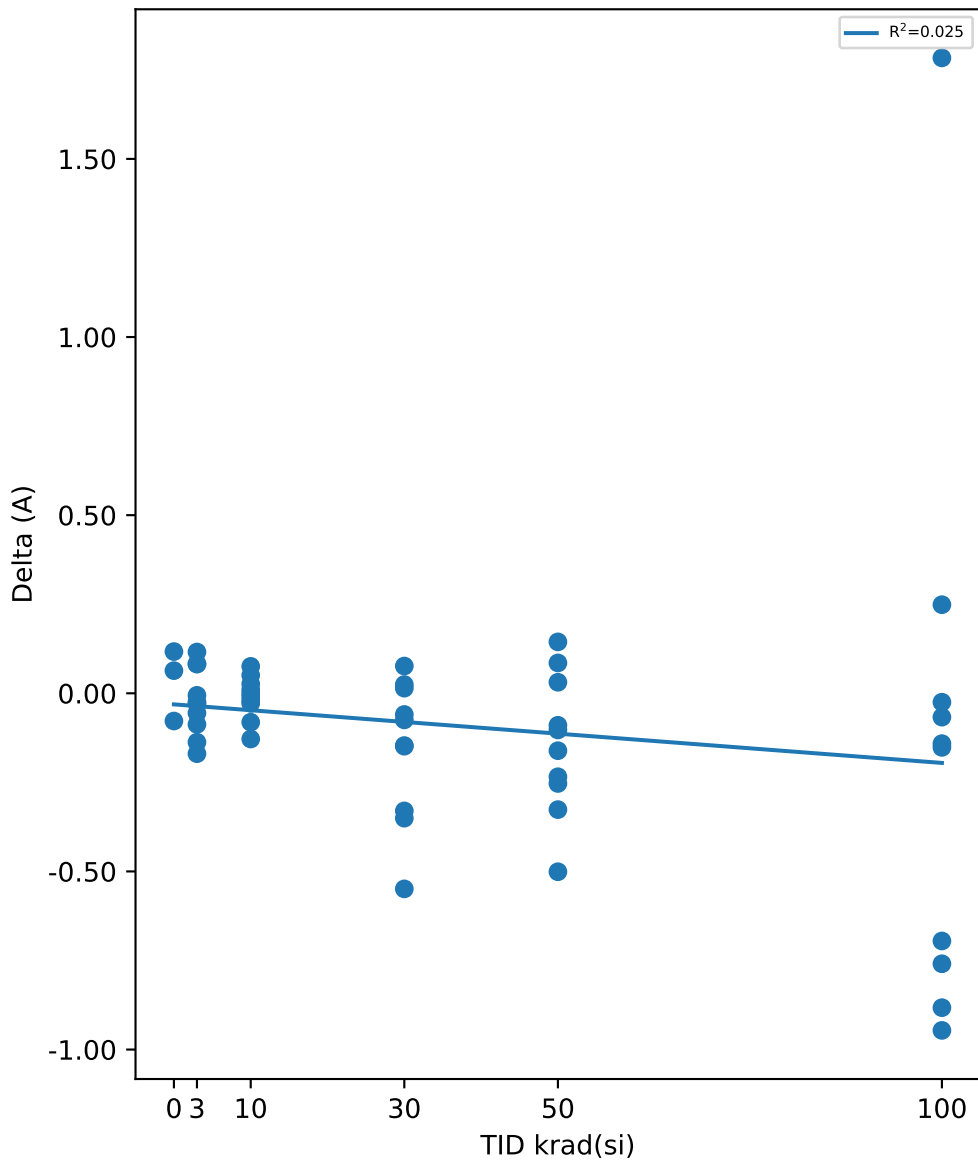
TID vs Result Stats



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

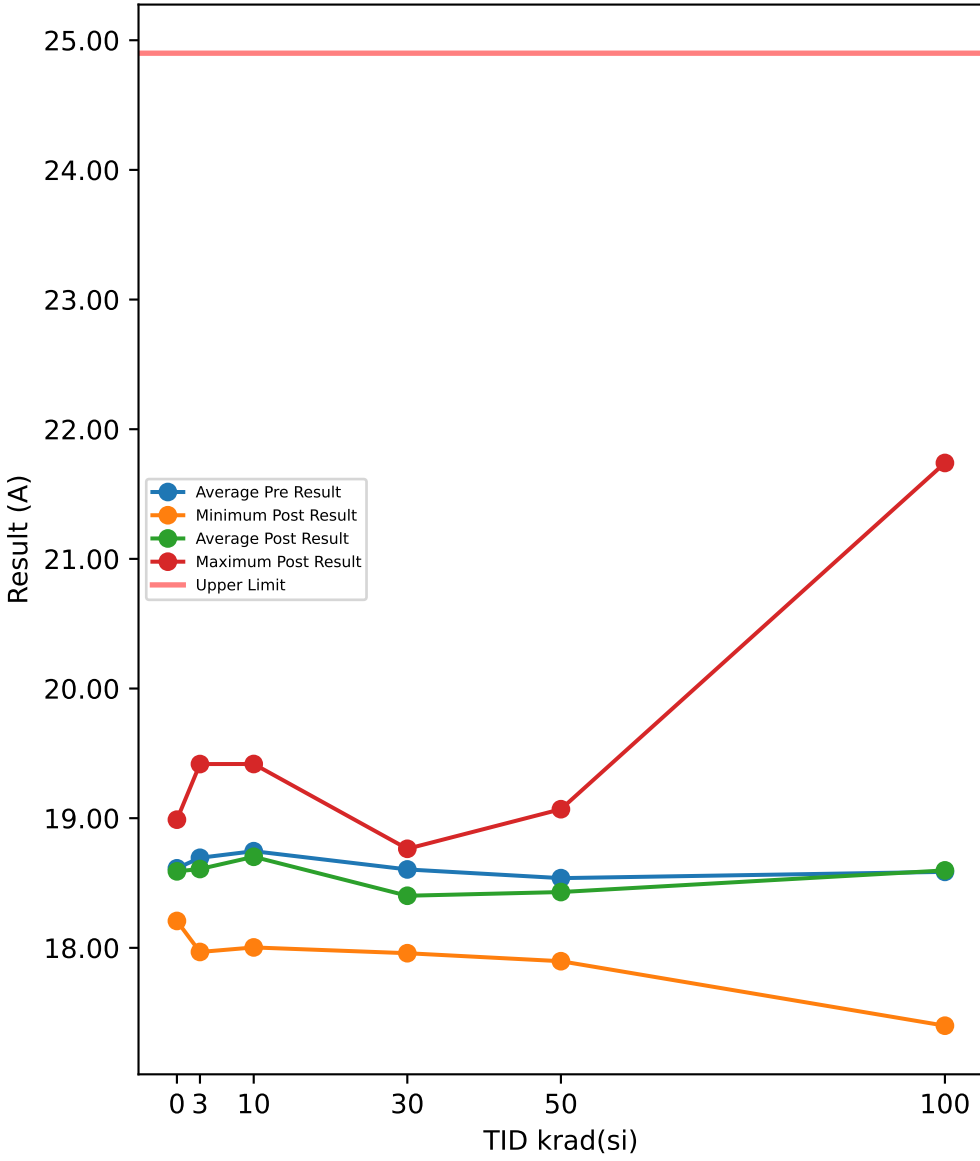
TID vs Post - Pre Exposure Delta



Test Statistics (A)

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	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

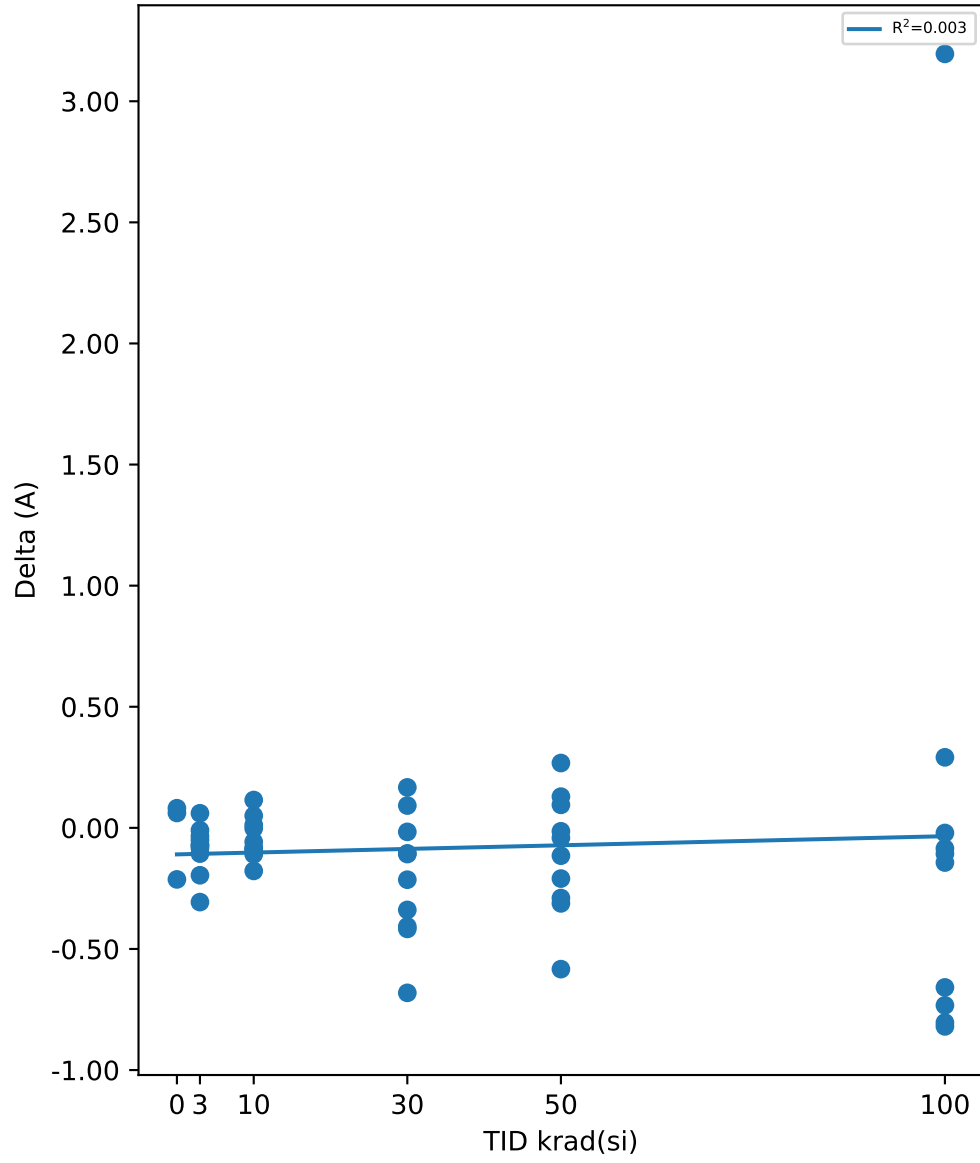
TID vs Result Stats



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

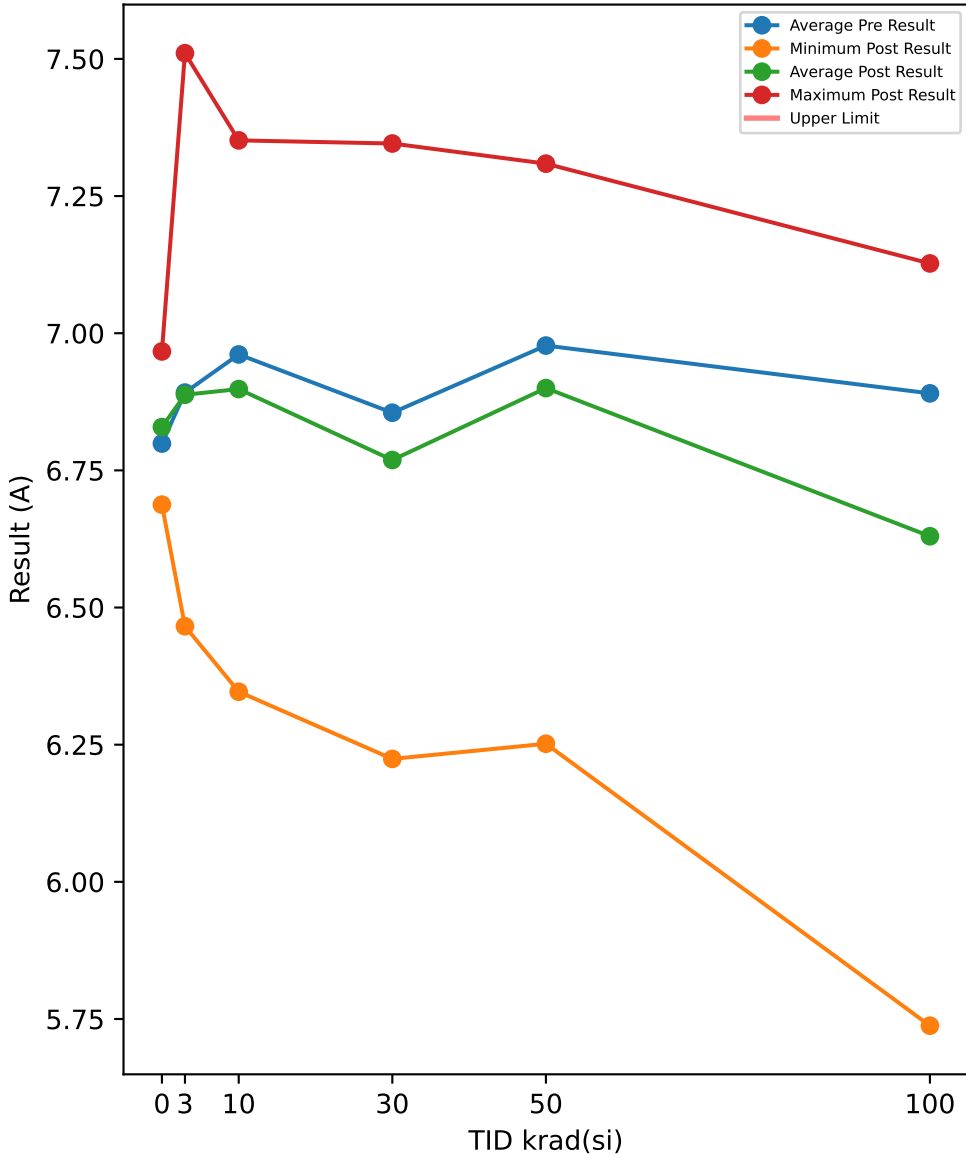
TID vs Post - Pre Exposure Delta



Test Statistics (A)

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	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

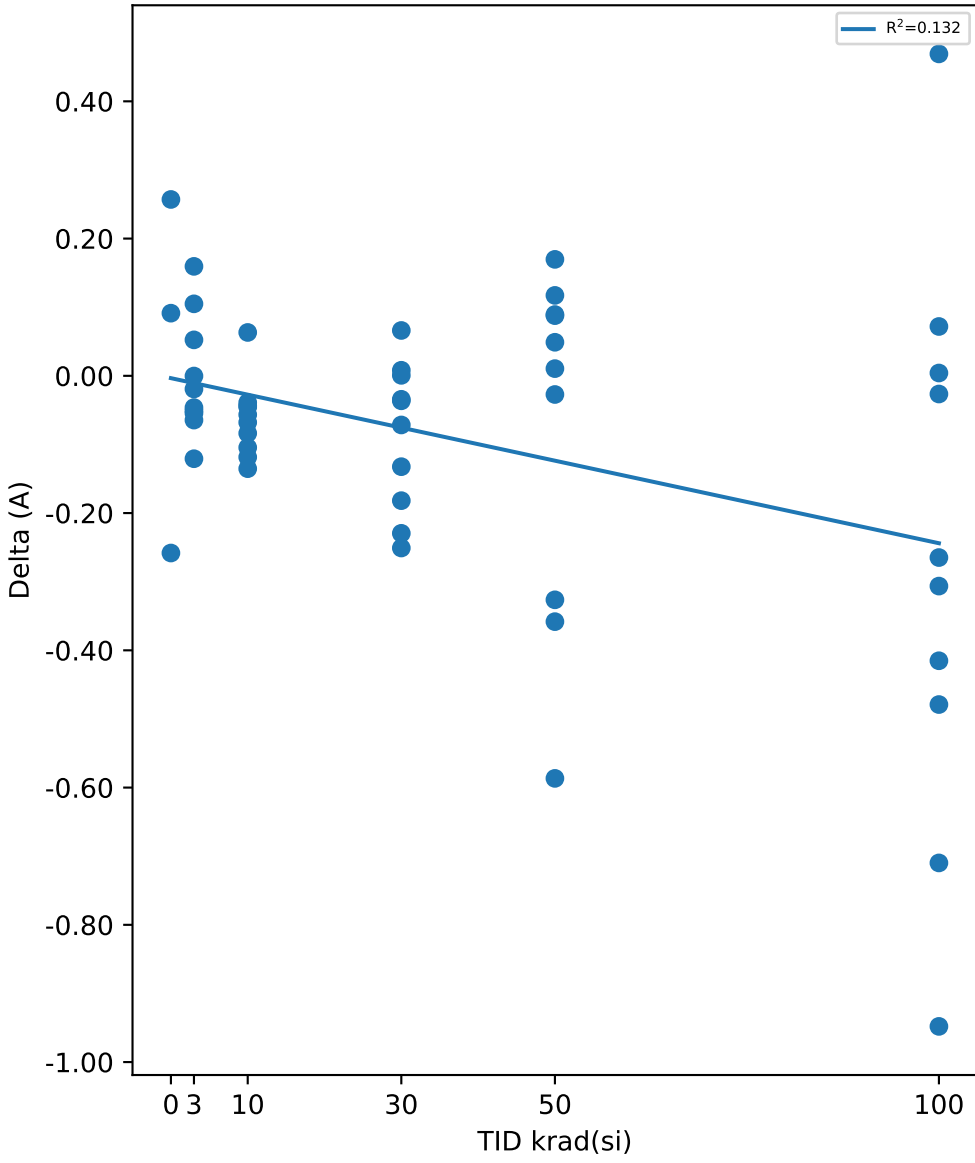
TID vs Result Stats



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

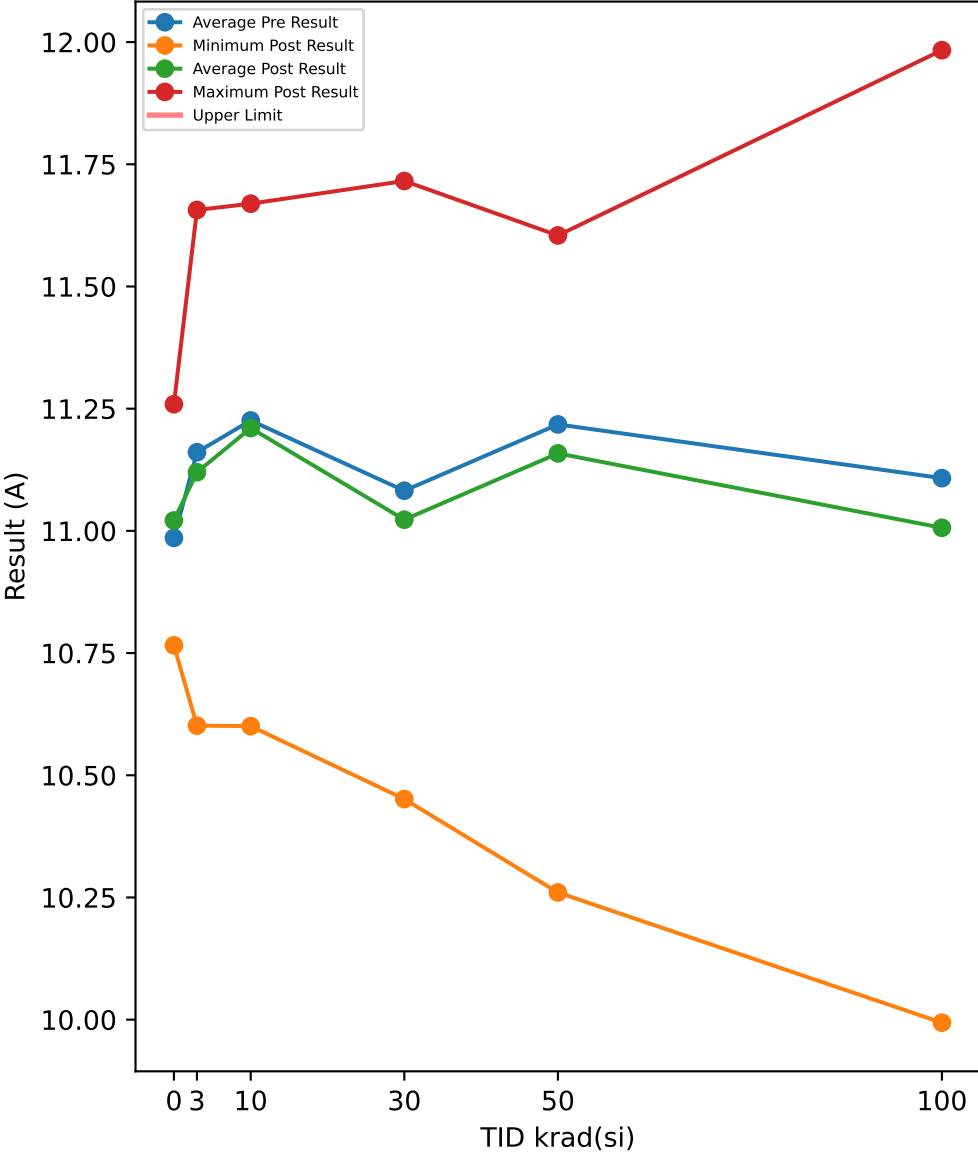
TID vs Post - Pre Exposure Delta



Test Statistics (A)

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	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

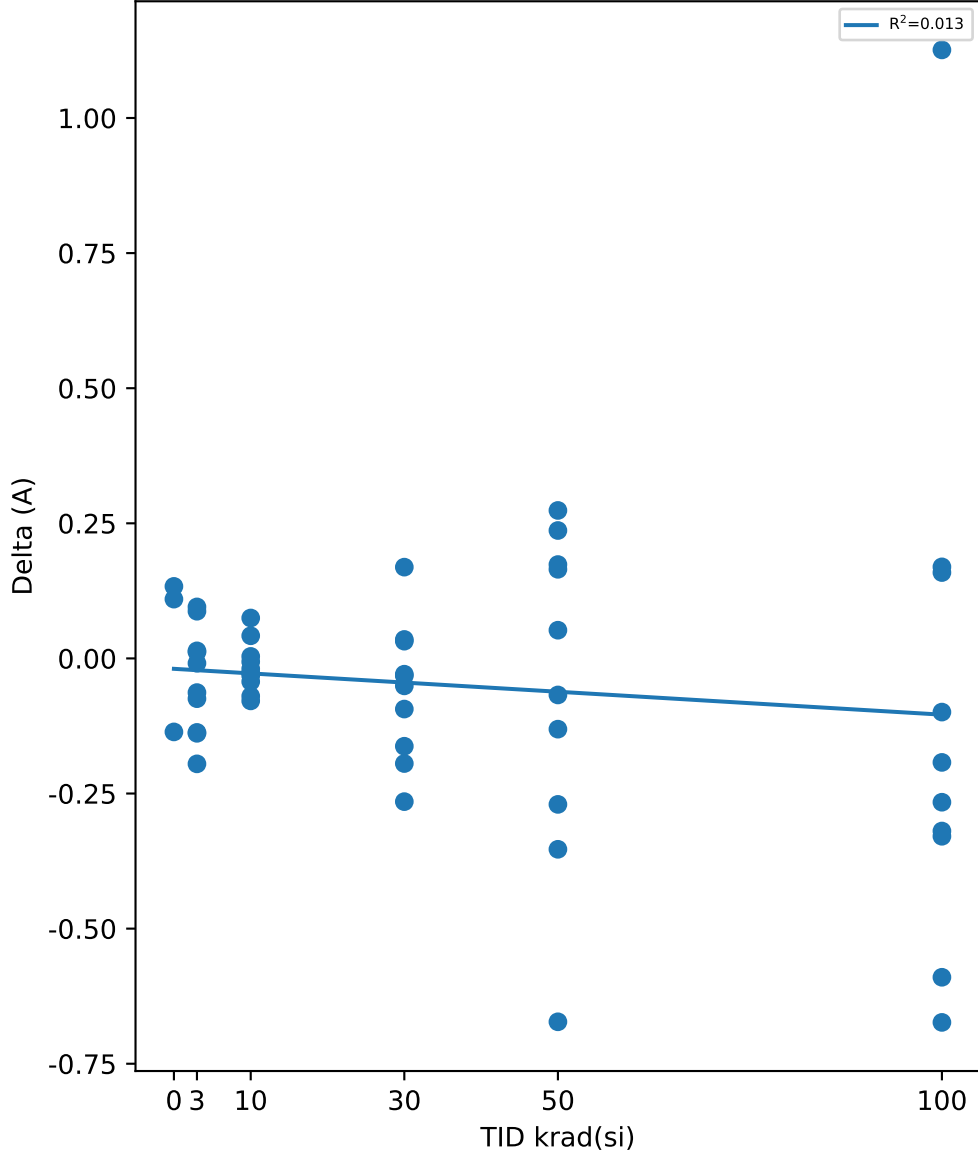
TID vs Result Stats



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

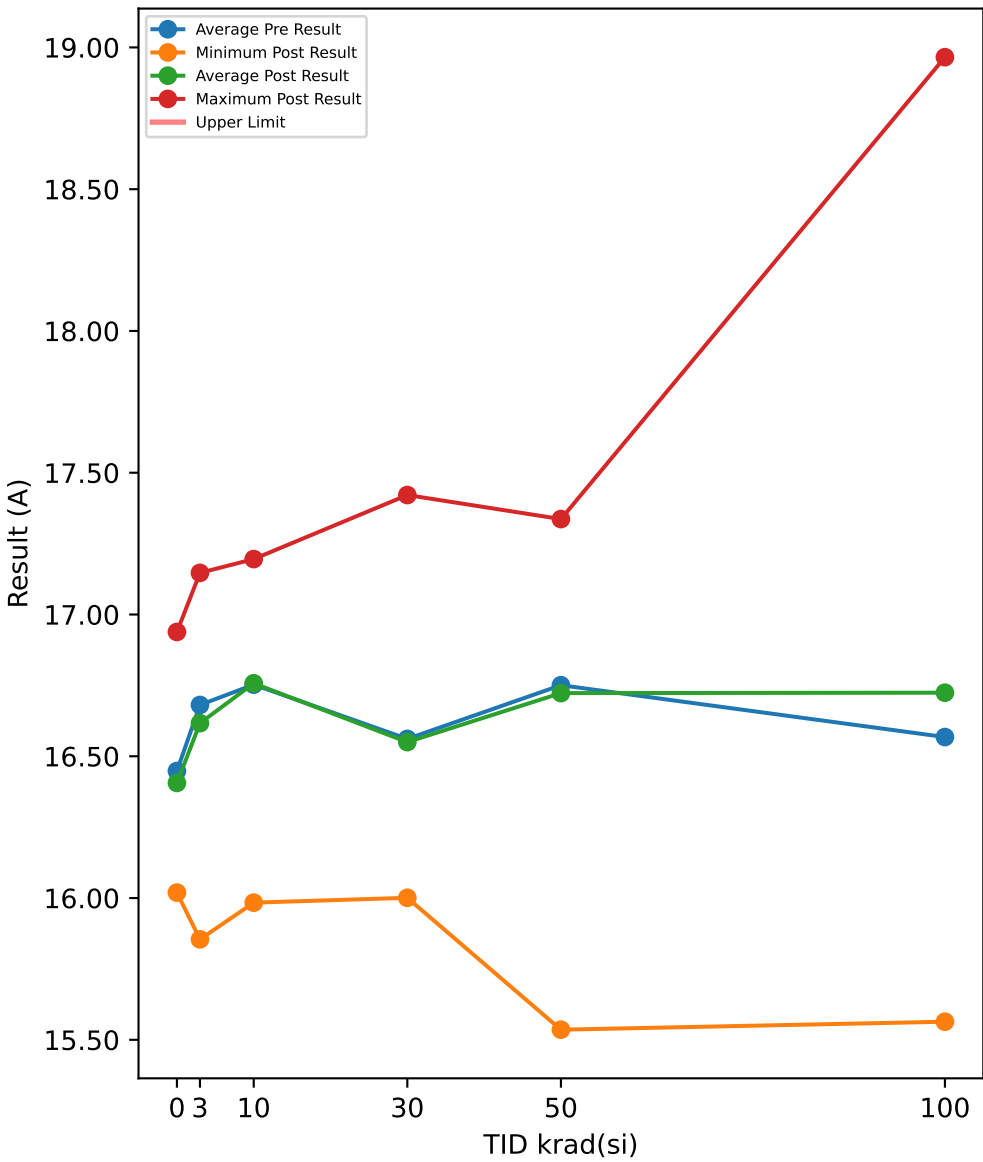
TID vs Post - Pre Exposure Delta



Test Statistics (A)

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	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

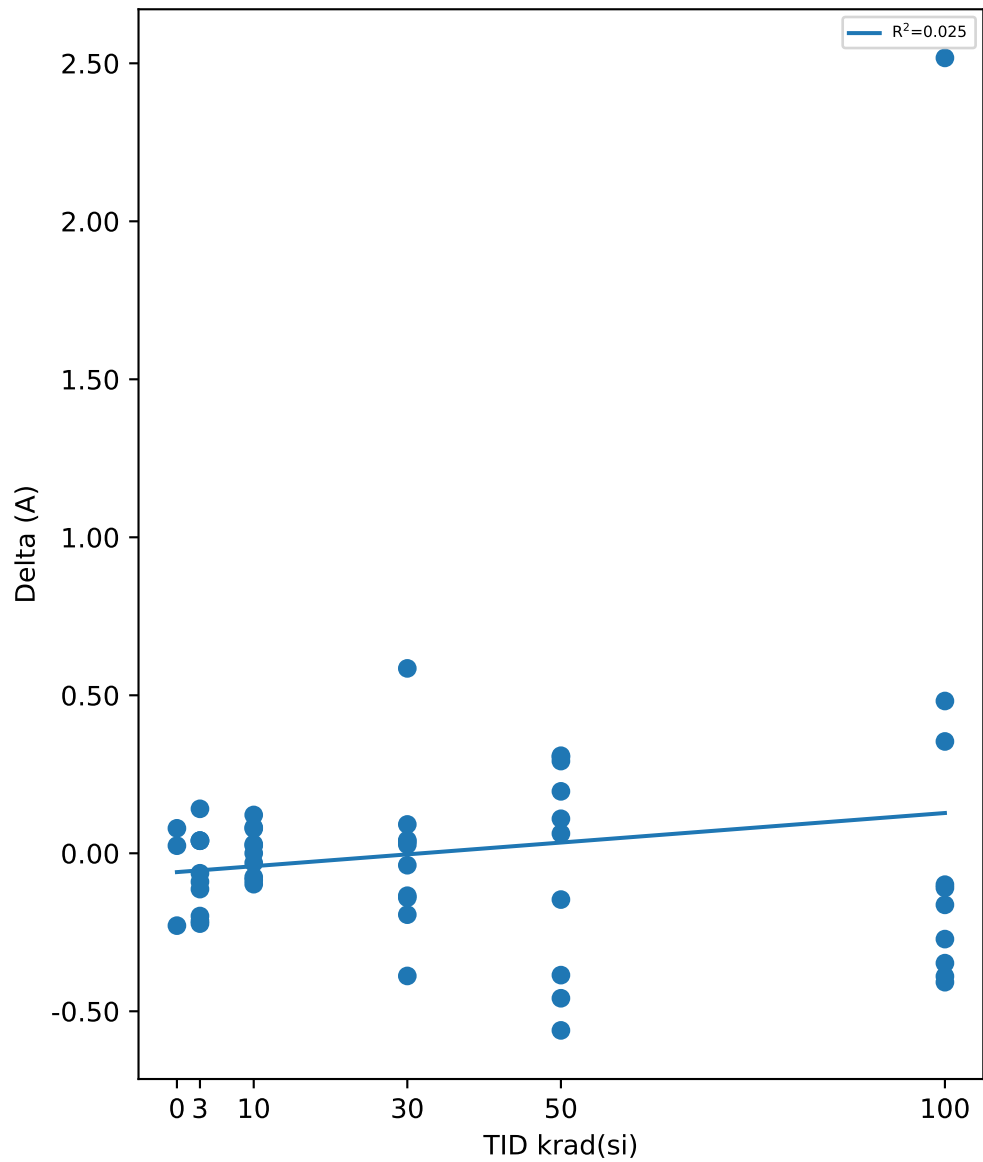
TID vs Result Stats



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

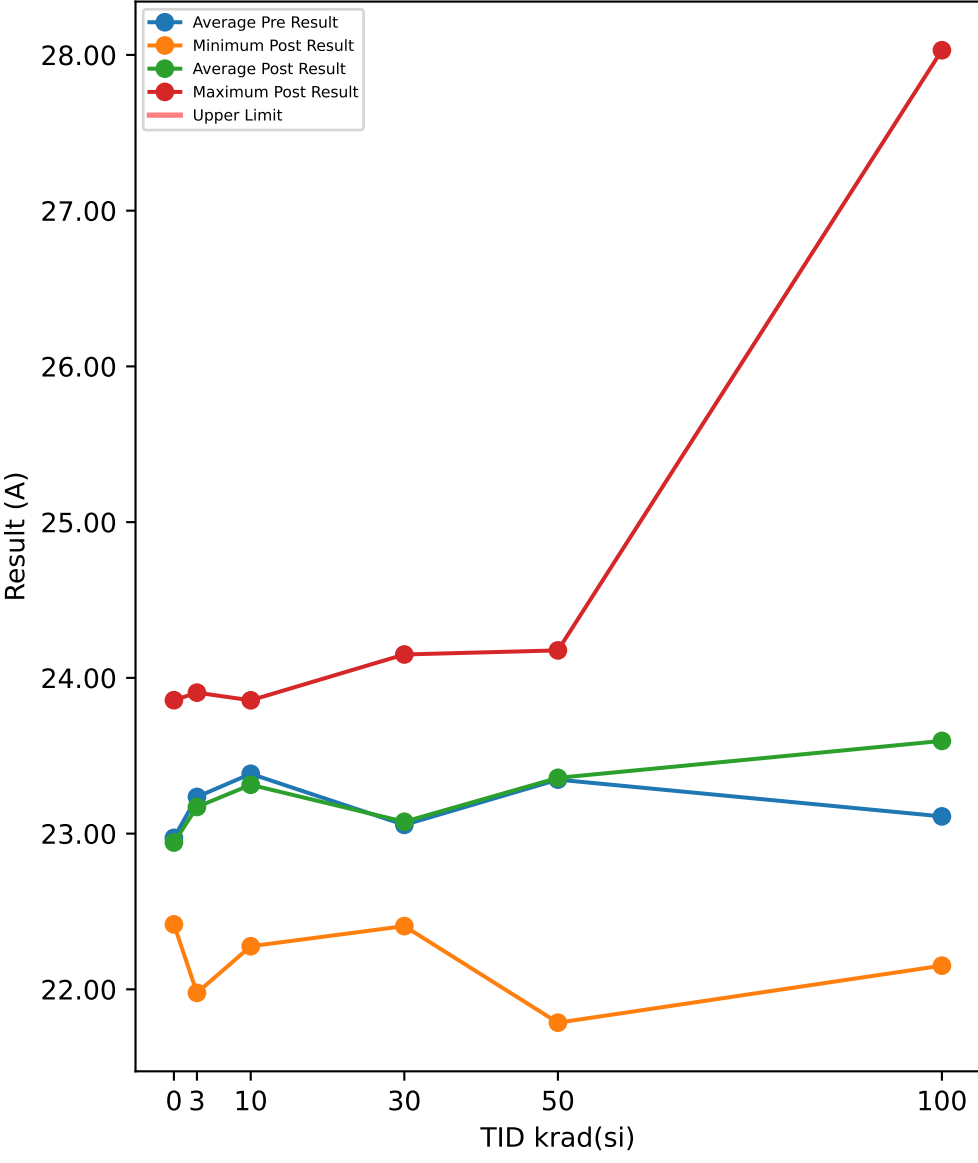
TID vs Post - Pre Exposure Delta



Test Statistics (A)

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	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

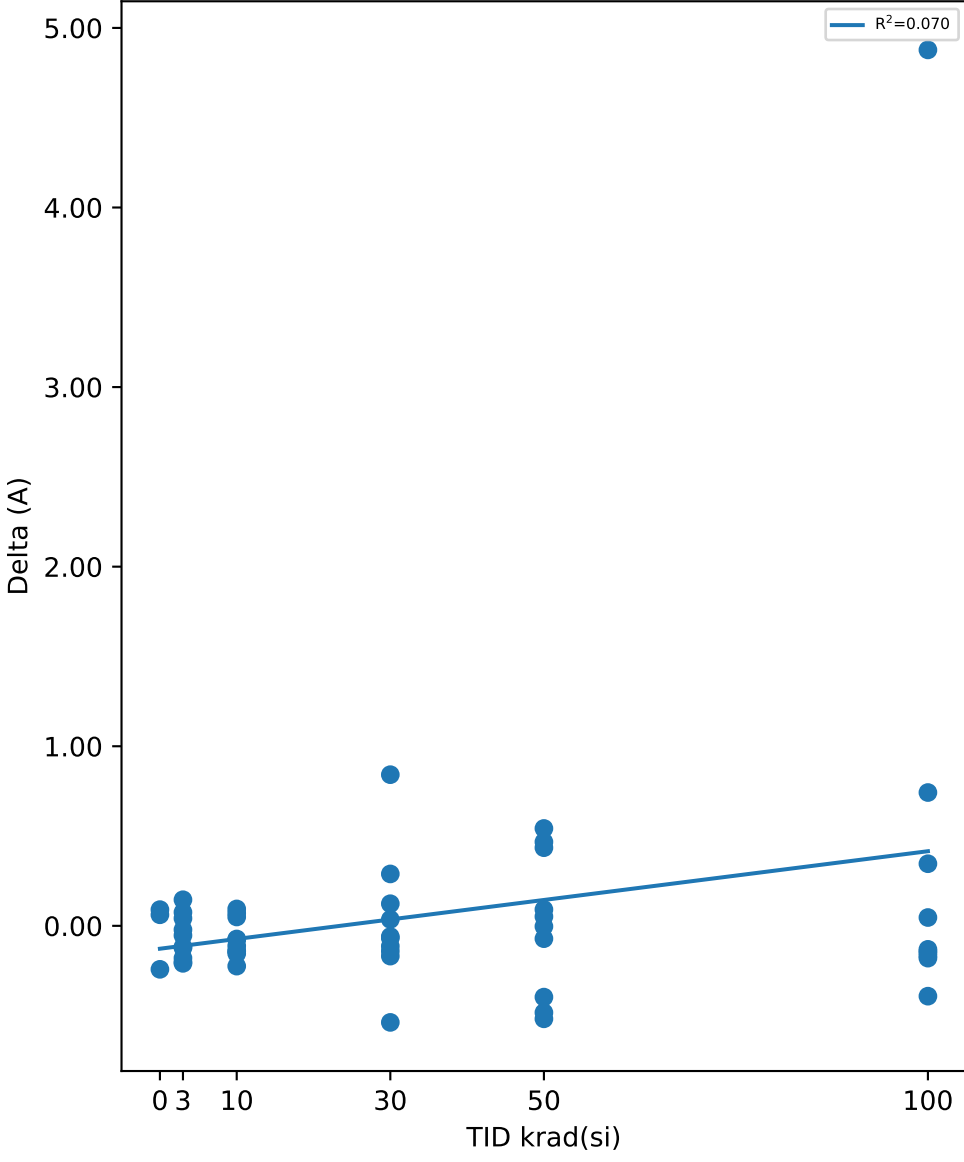
TID vs Result Stats



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

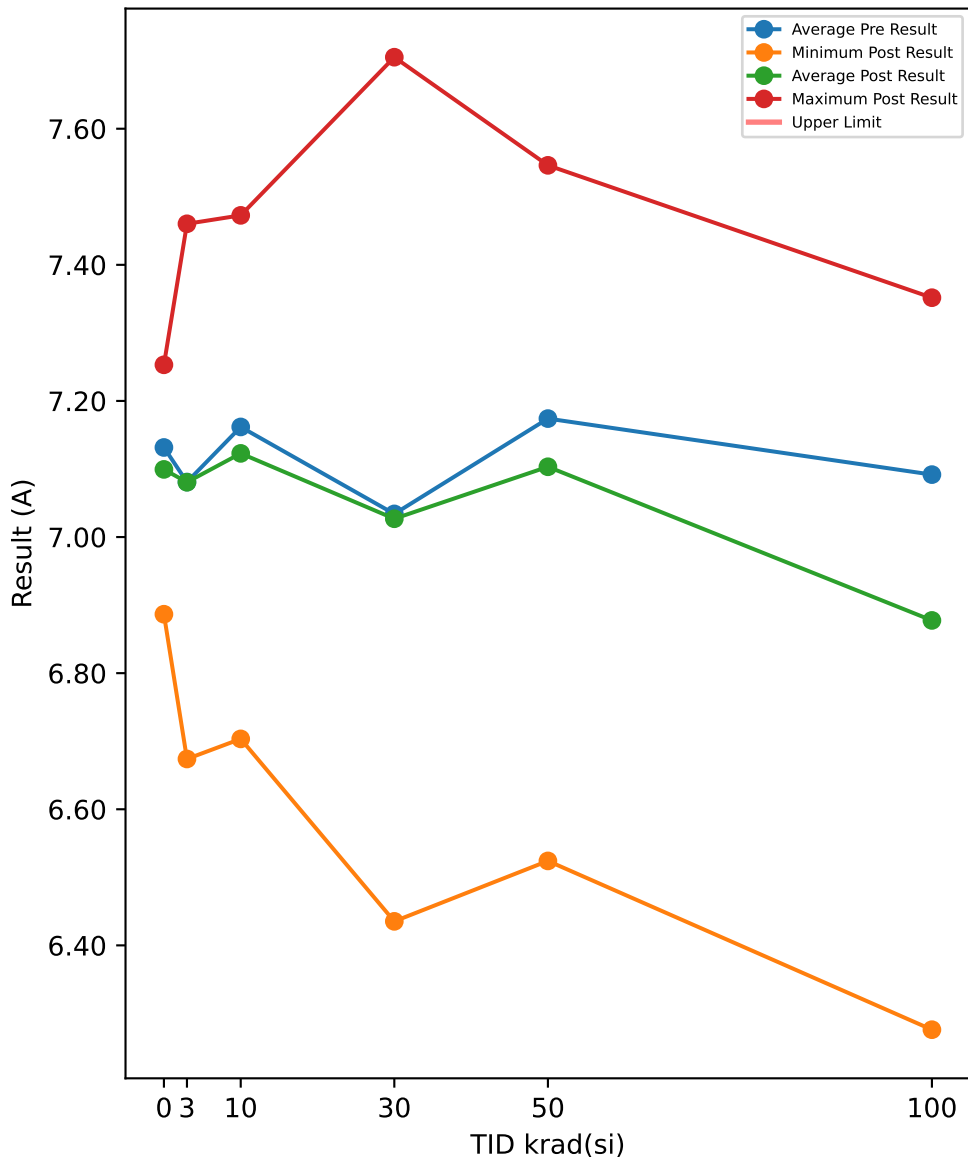
TID vs Post - Pre Exposure Delta



Test Statistics (A)

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	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

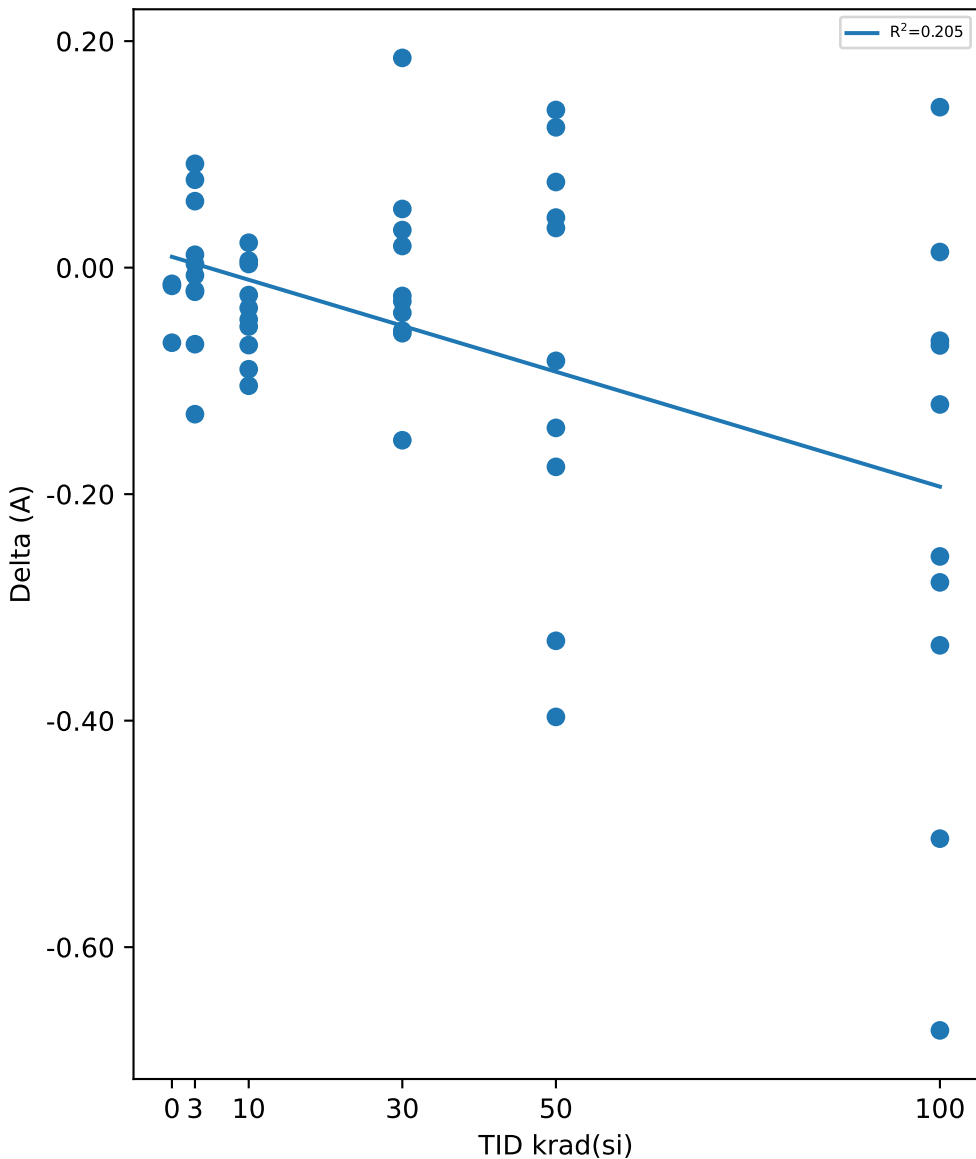
TID vs Result Stats



Test Results (No Limits Specified (A))

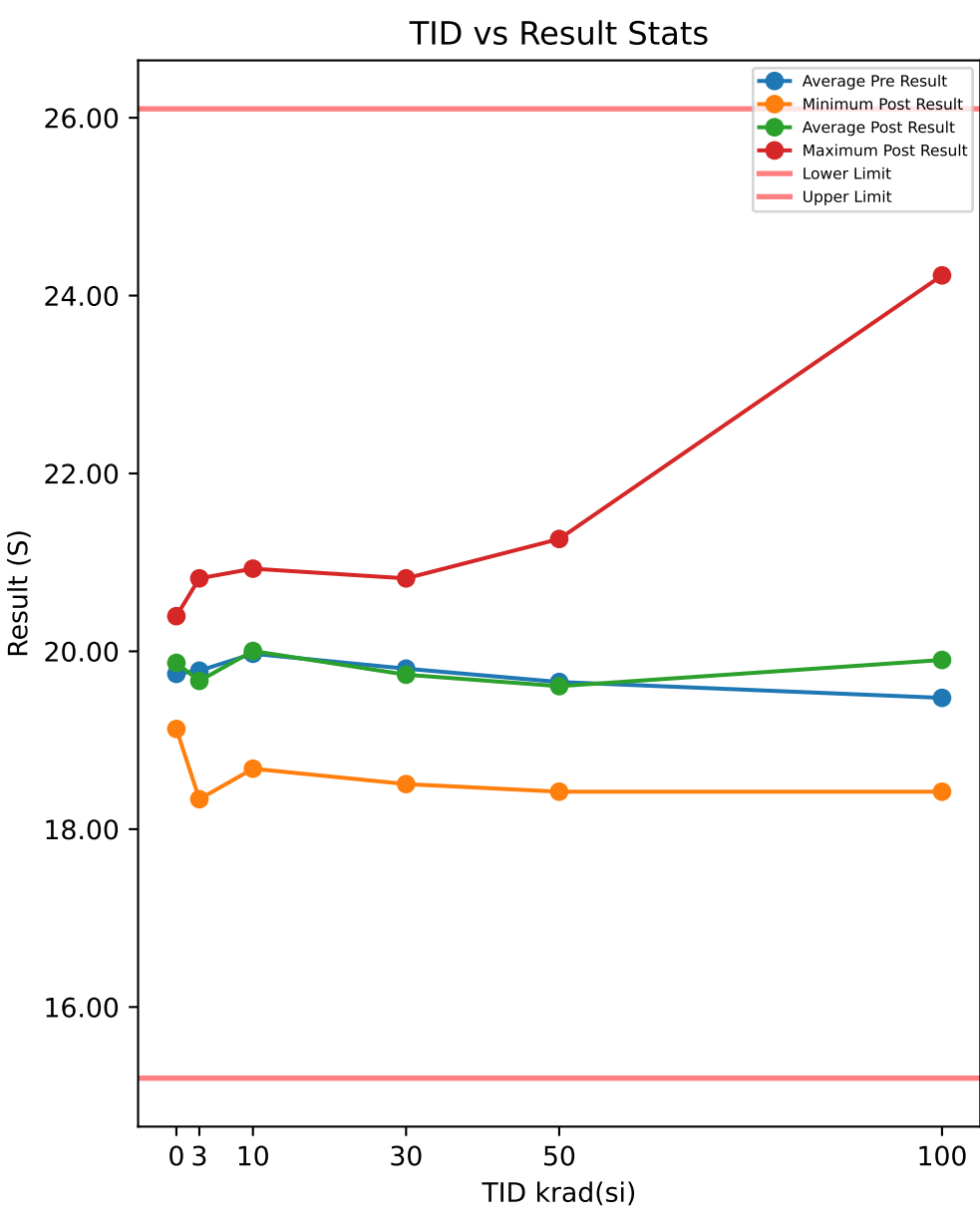
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
390	100	Biased	7.4162	7.3517	-0.0645
392	100	Biased	7.522	7.0178	-0.5042
393	100	Biased	7.0609	7.2026	0.1417
394	100	Biased	6.9496	6.2761	-0.6735
395	100	Biased	6.9465	6.6915	-0.255
412	100	Unbiased	7.0627	7.0765	0.0138
413	100	Unbiased	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

TID vs Post - Pre Exposure Delta



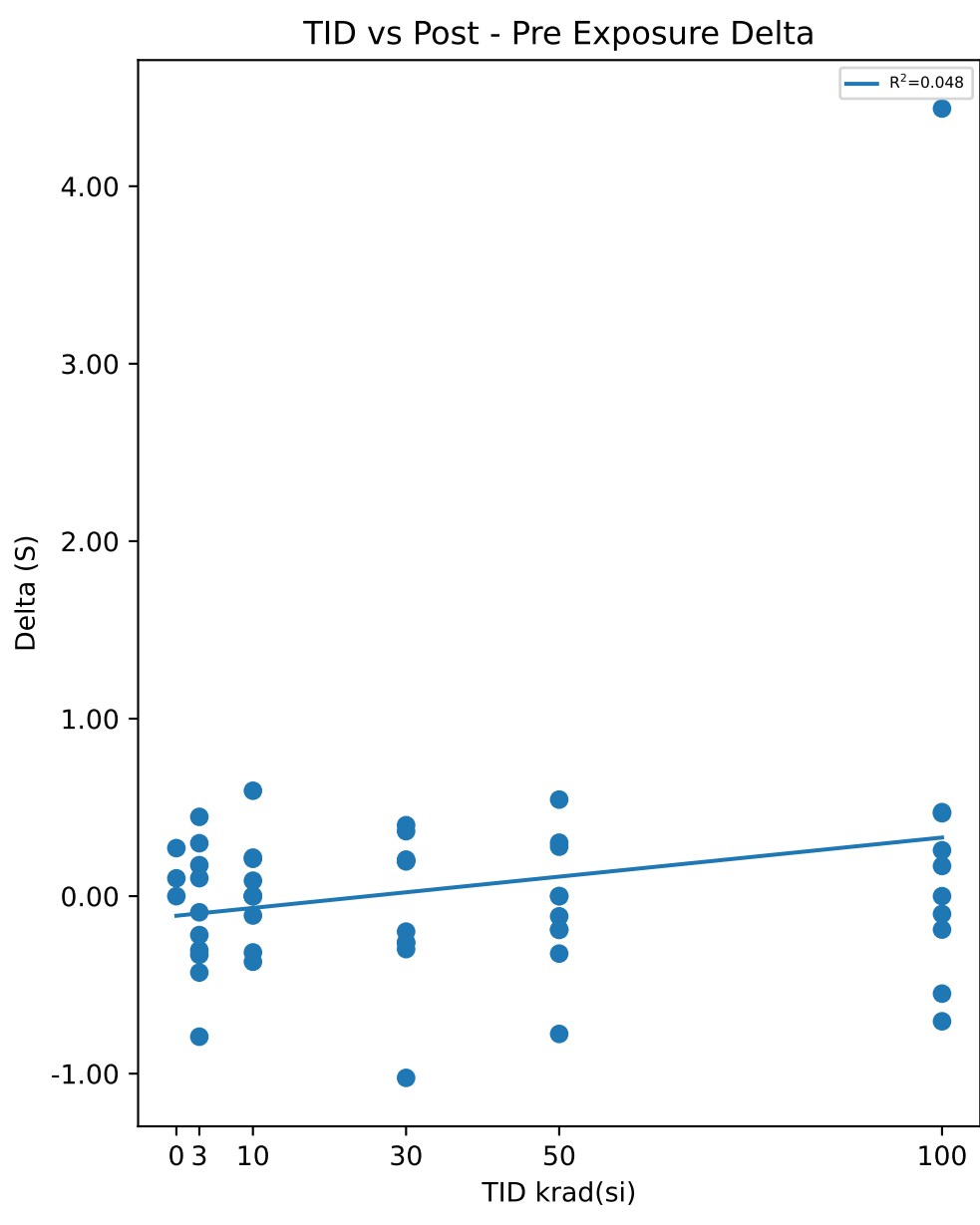
Test Statistics (A)

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	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



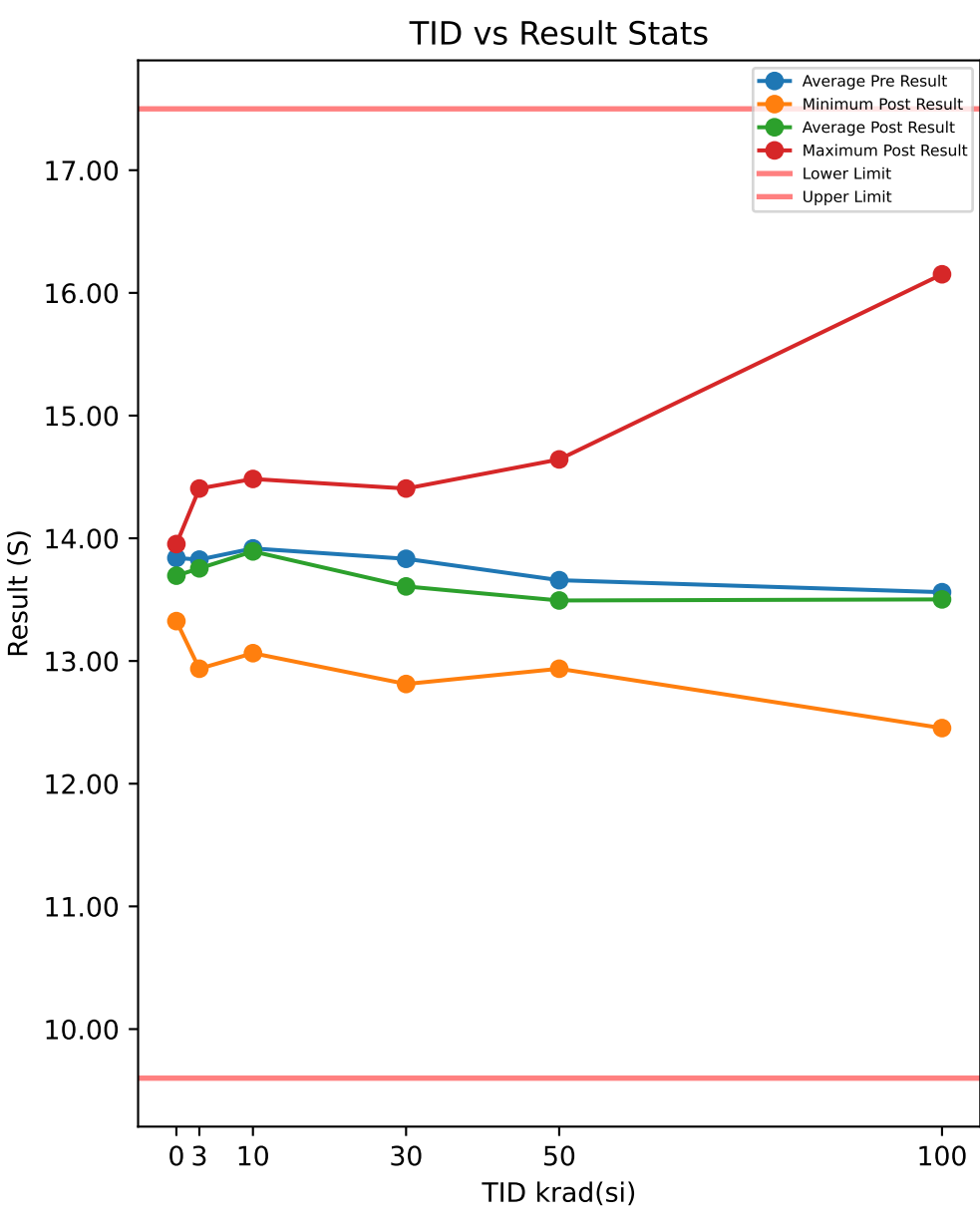
Test Results (Lower Limit = 15.2, Upper Limit = 26.1 (S))

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



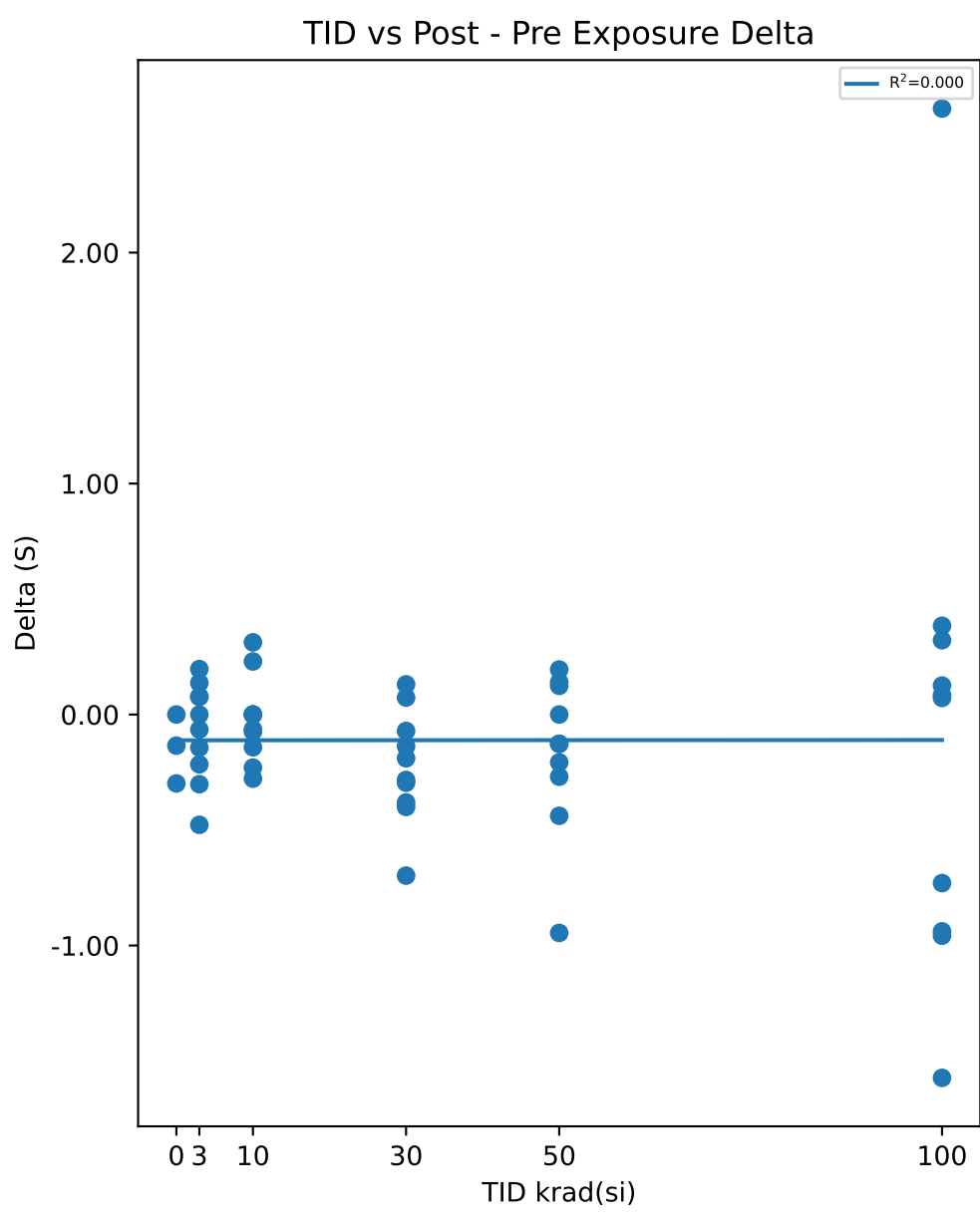
Test Statistics (S)

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



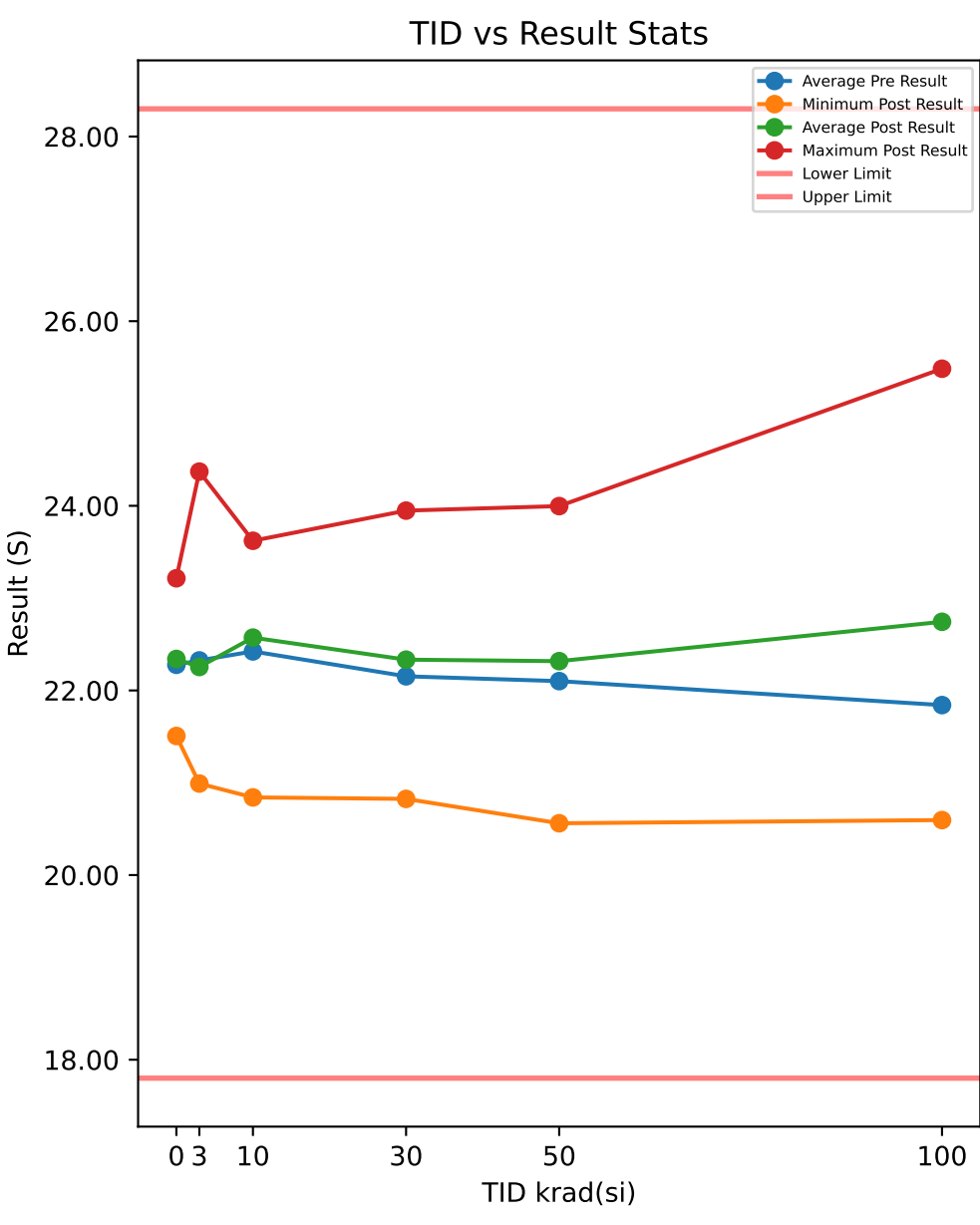
Test Results (Lower Limit = 9.6, Upper Limit = 17.5 (S))

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



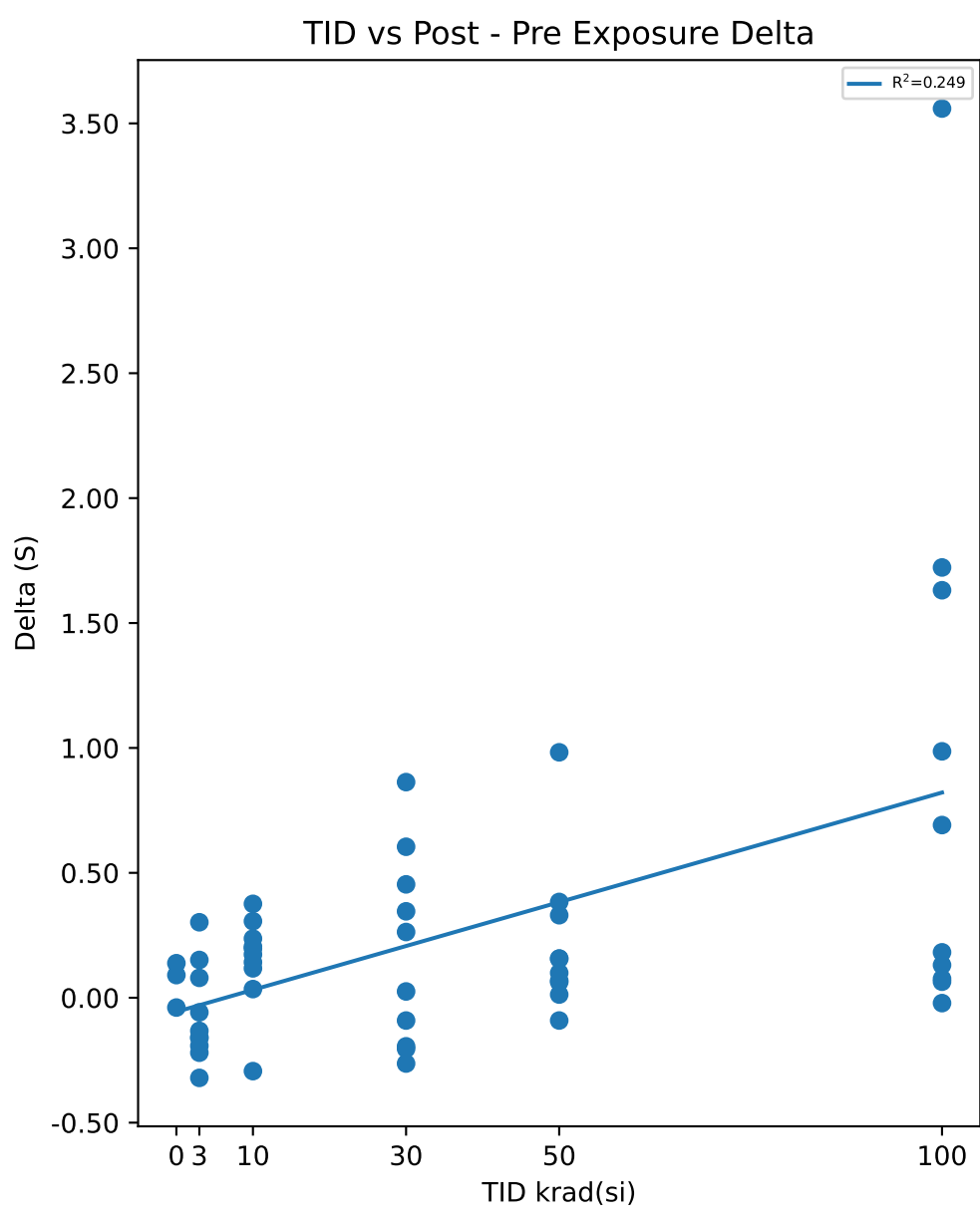
Test Statistics (S)

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



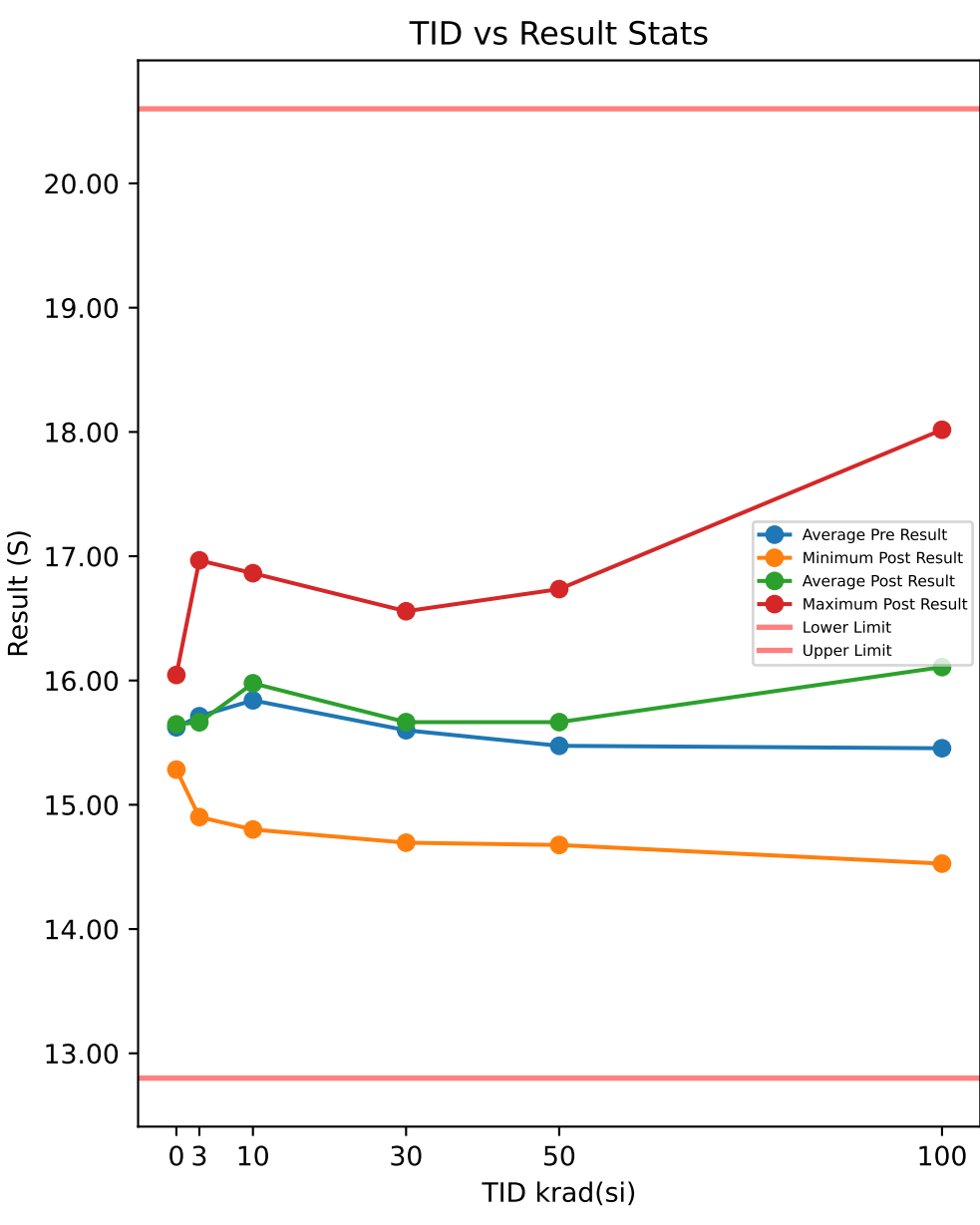
Test Results (Lower Limit = 17.8, Upper Limit = 28.3 (S))

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



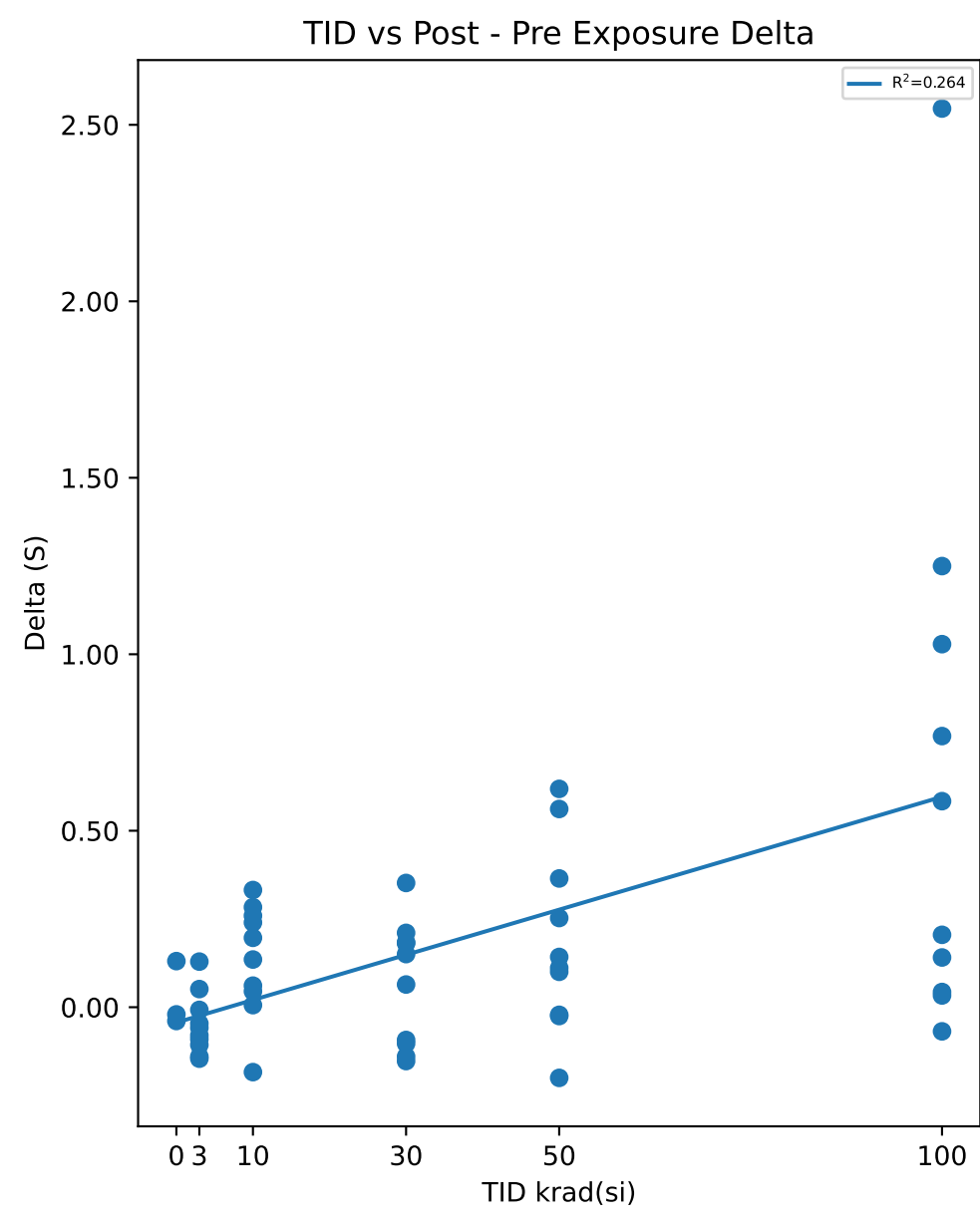
Test Statistics (S)

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



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

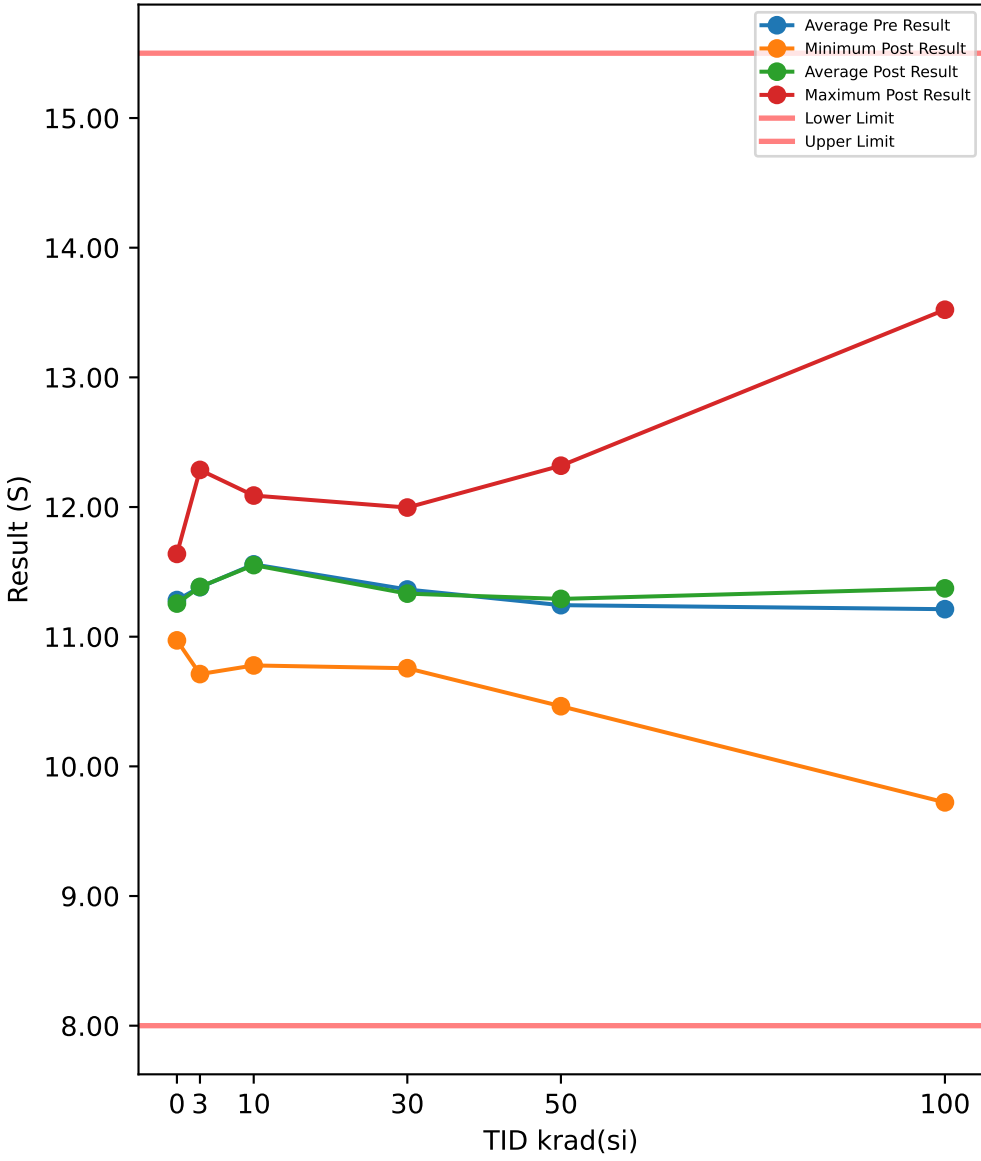
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
390	100	Biased	14.853	16.103	1.2498
392	100	Biased	15.178	15.212	0.0333
393	100	Biased	15.393	15.977	0.5838
394	100	Biased	15.65	15.582	-0.0684
395	100	Biased	15.842	15.885	0.0431
412	100	Unbiased	14.386	14.527	0.1409
413	100	Unbiased	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

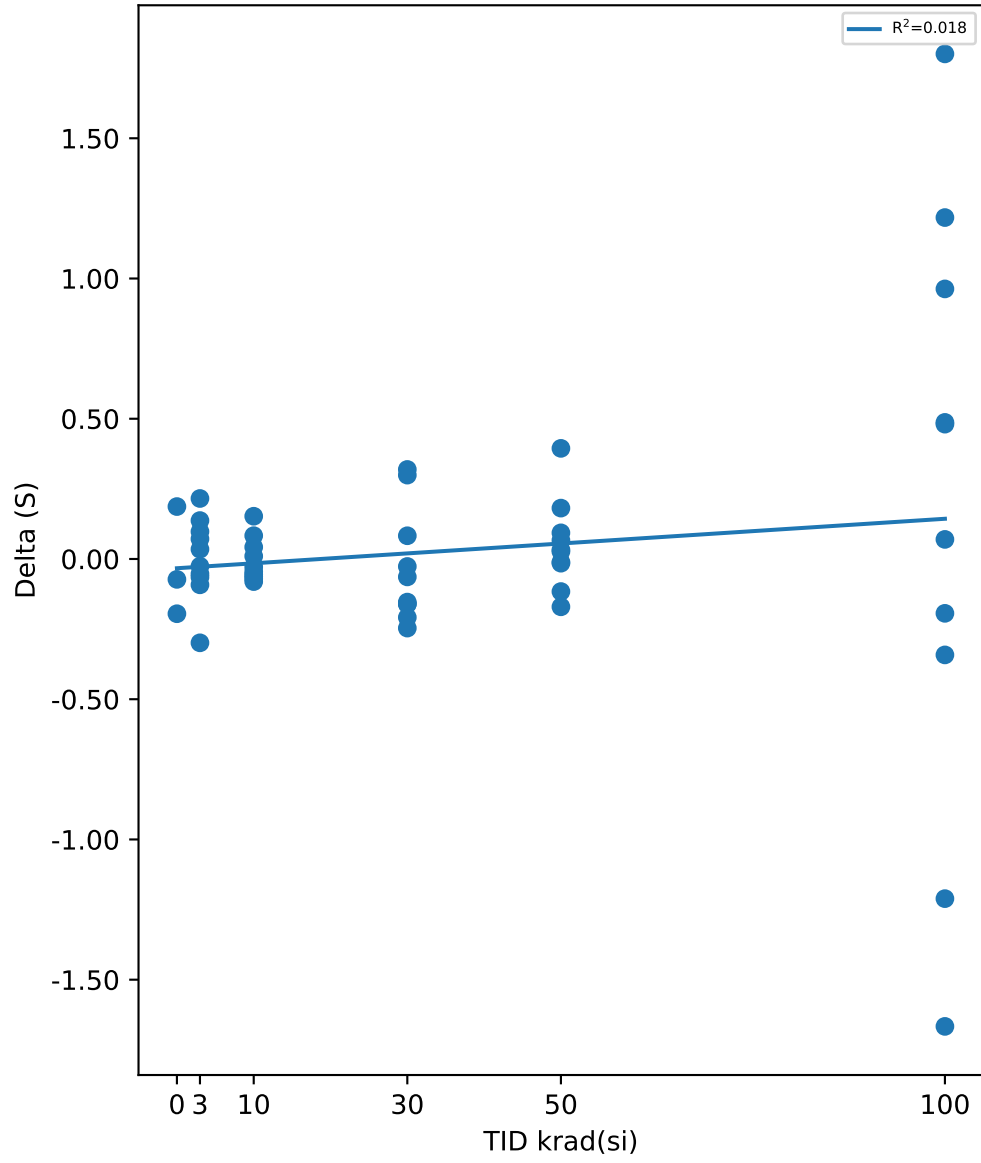
TID vs Result Stats



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

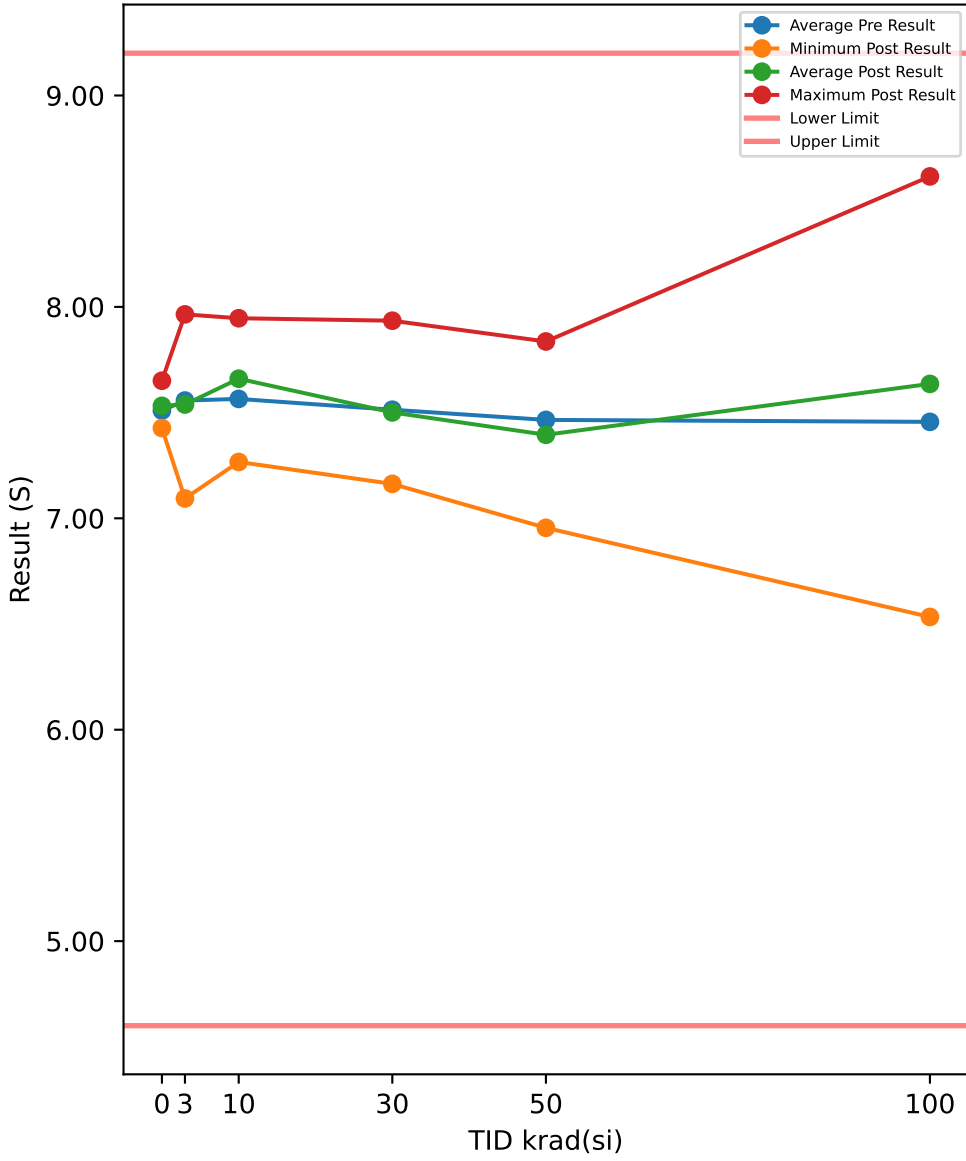
TID vs Post - Pre Exposure Delta



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

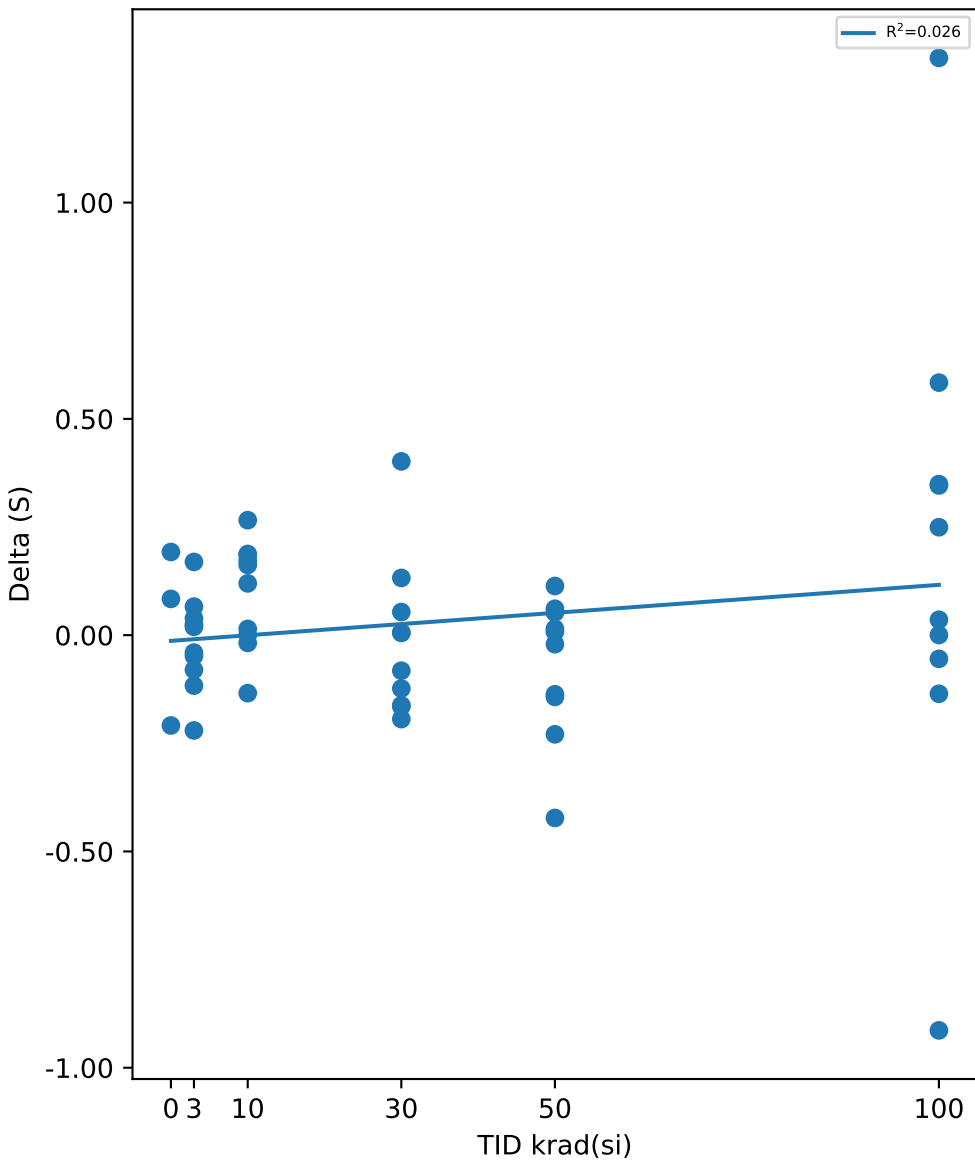
TID vs Result Stats



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

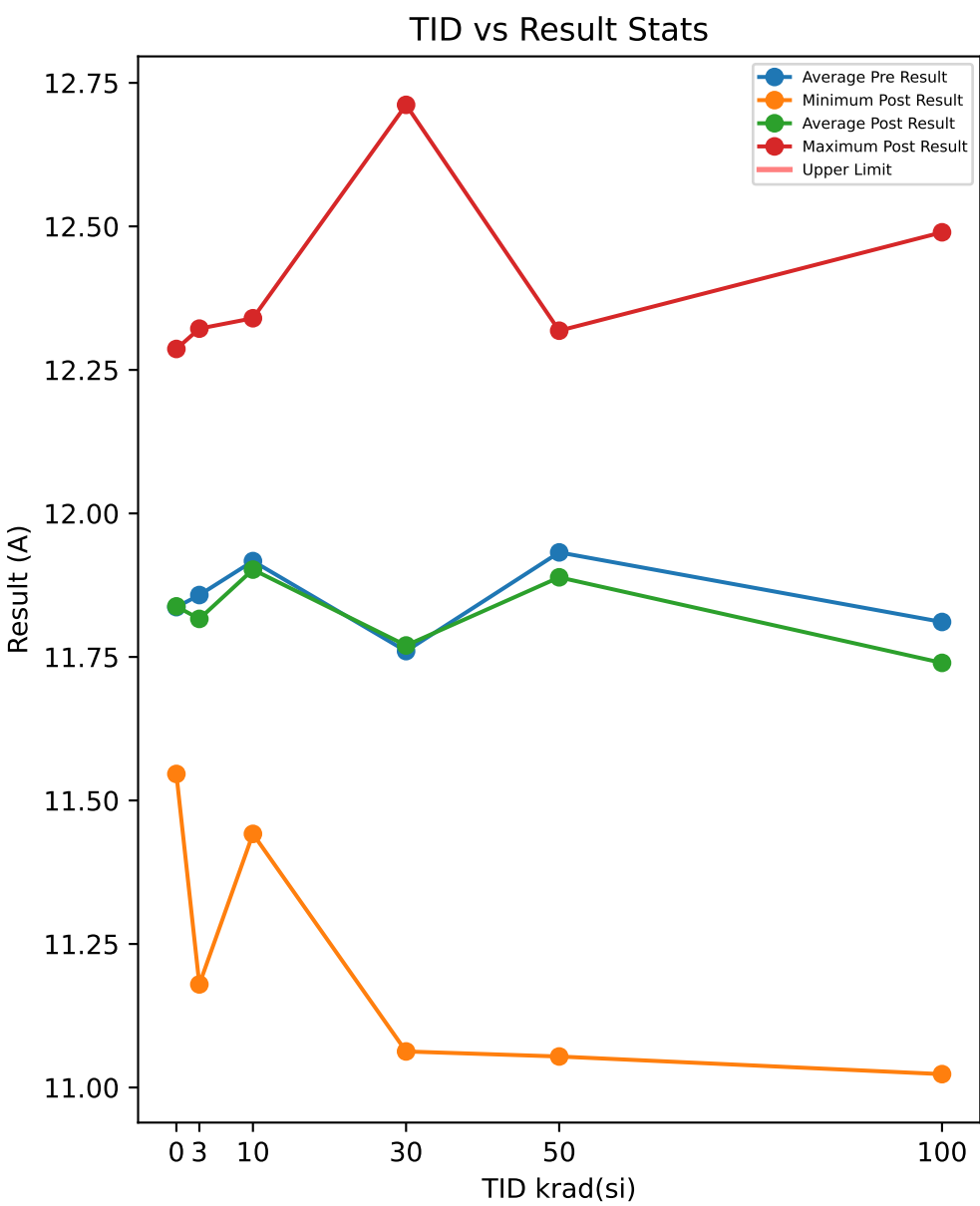
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
390	100	Biased	7.183	7.7668	0.5838
392	100	Biased	7.2083	7.2439	0.0356
393	100	Biased	7.74	7.6852	-0.0548
394	100	Biased	7.4471	6.5334	-0.9137
395	100	Biased	7.6586	7.6589	0.0003
412	100	Unbiased	7.3427	7.2072	-0.1355
413	100	Unbiased	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

TID vs Post - Pre Exposure Delta



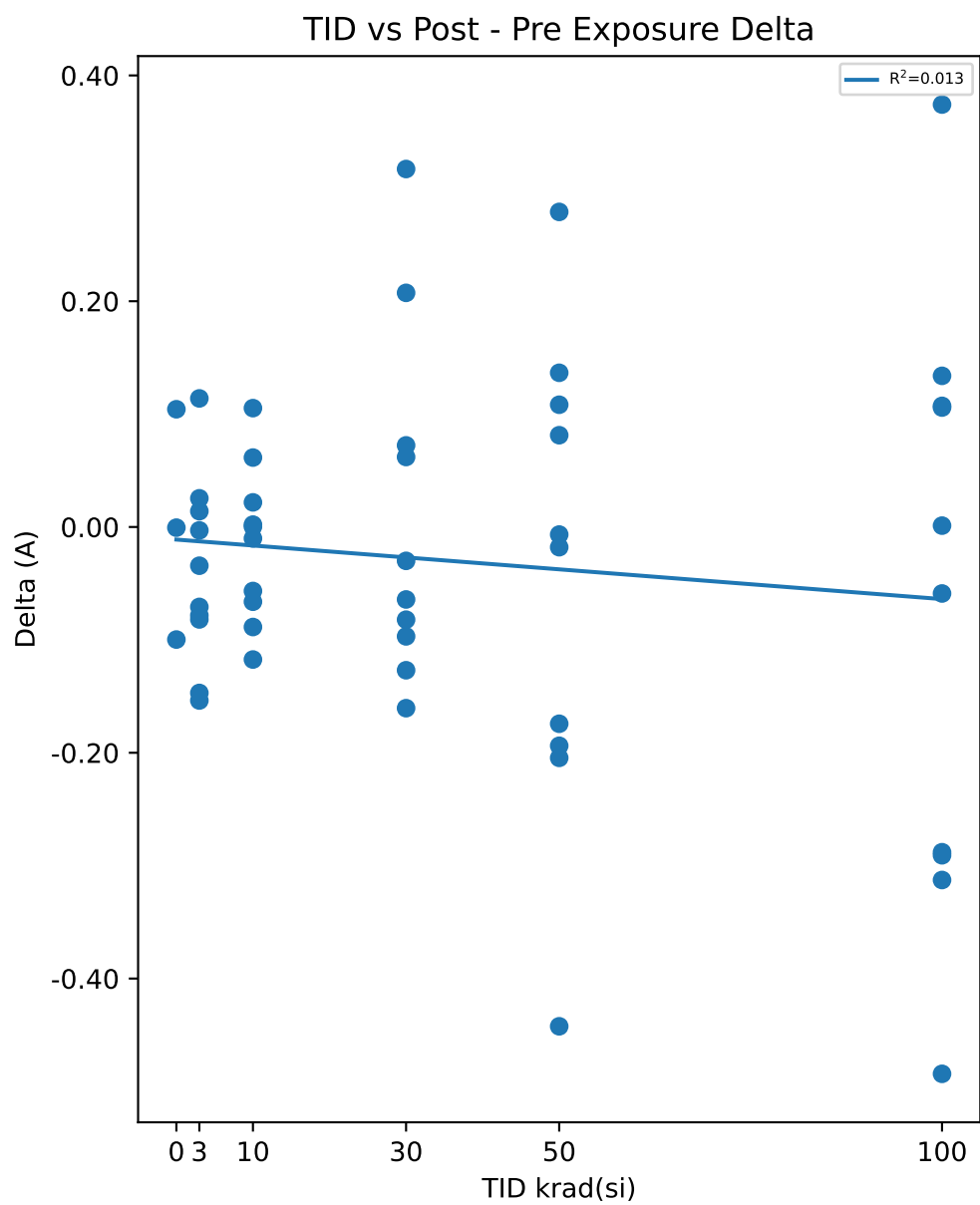
Test Statistics (S)

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



Test Results (No Limits Specified (A))

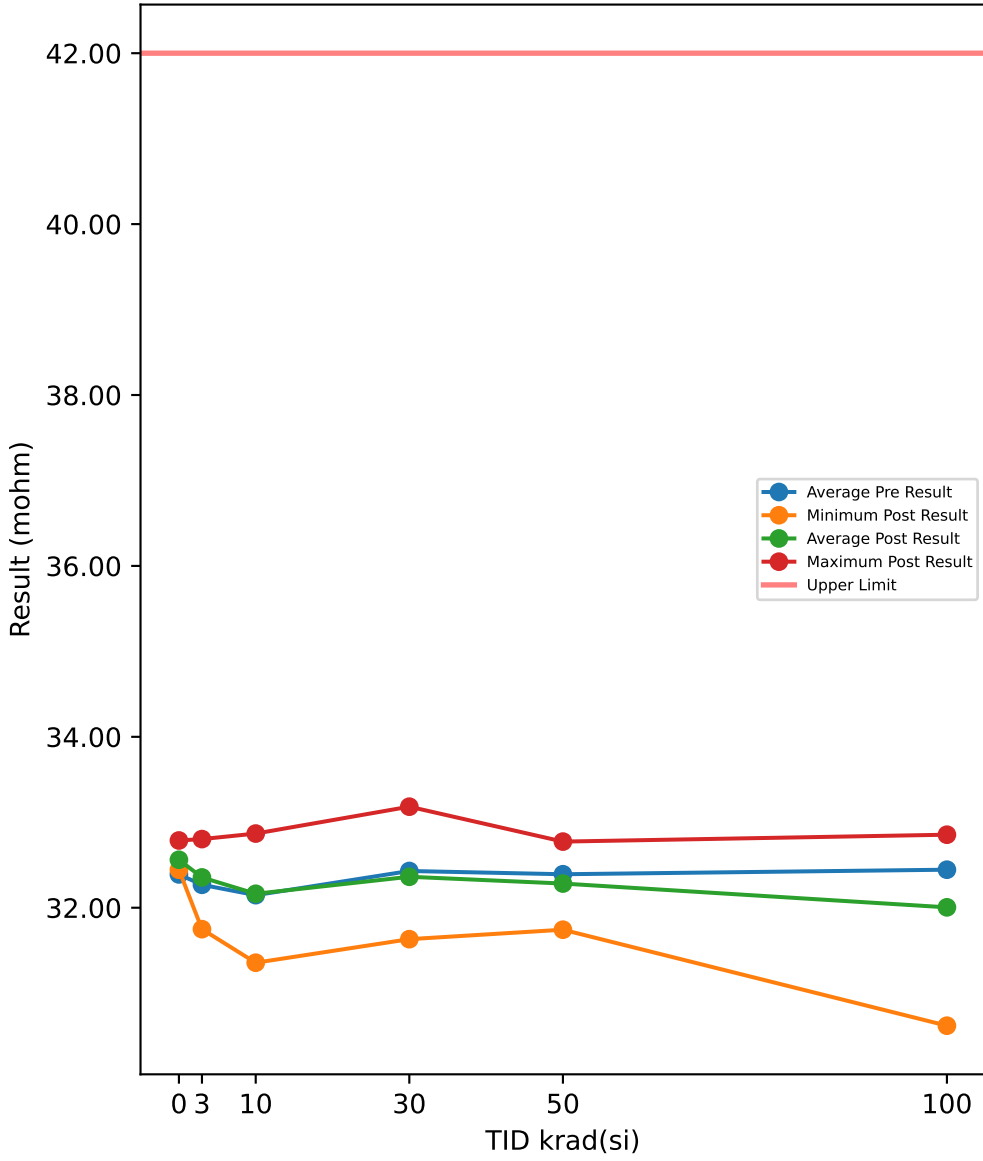
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
390	100	Biased	12.384	12.49	0.1058
392	100	Biased	12.443	12.153	-0.2908
393	100	Biased	11.812	12.186	0.3742
394	100	Biased	11.508	11.023	-0.4844
395	100	Biased	11.667	11.608	-0.0589
412	100	Unbiased	11.65	11.758	0.1073
413	100	Unbiased	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

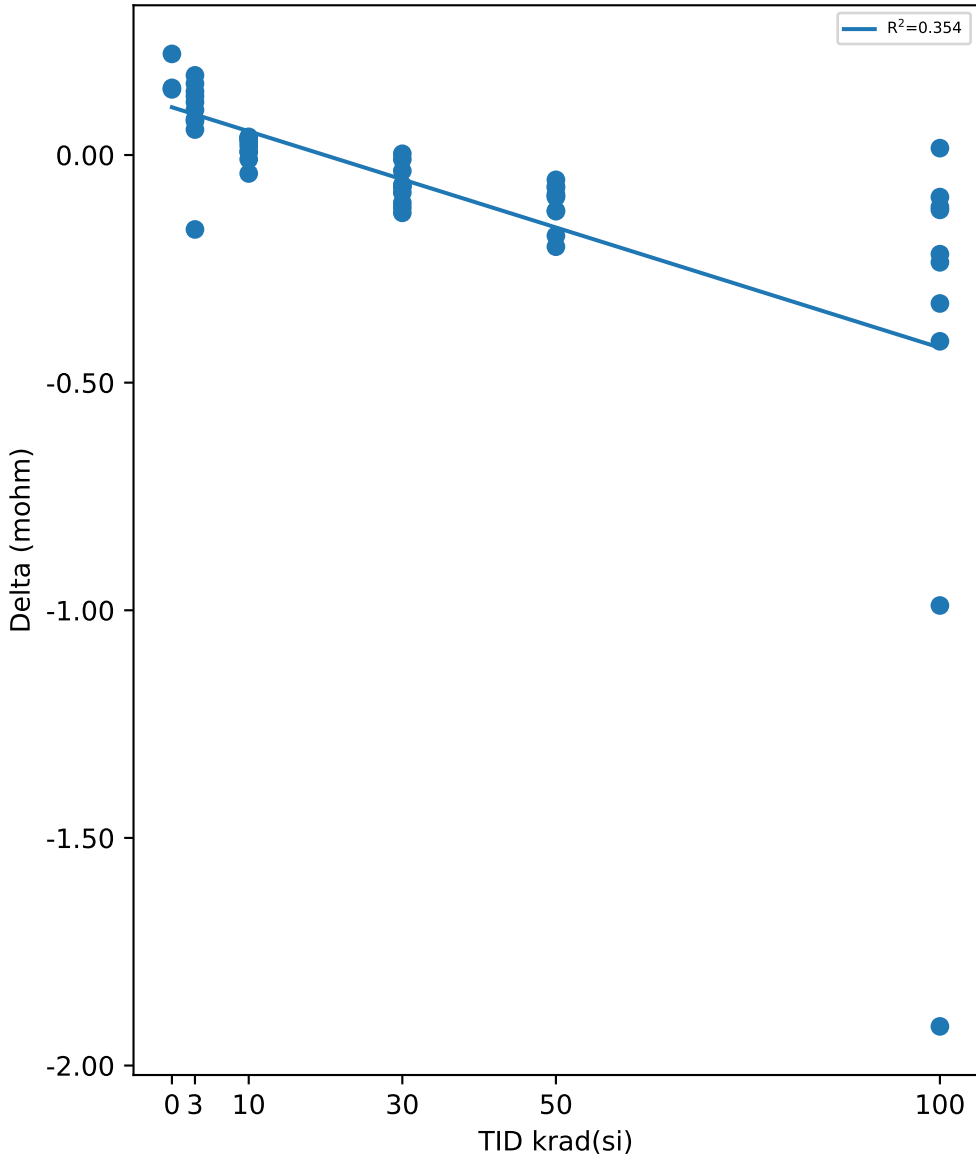
TID vs Result Stats



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

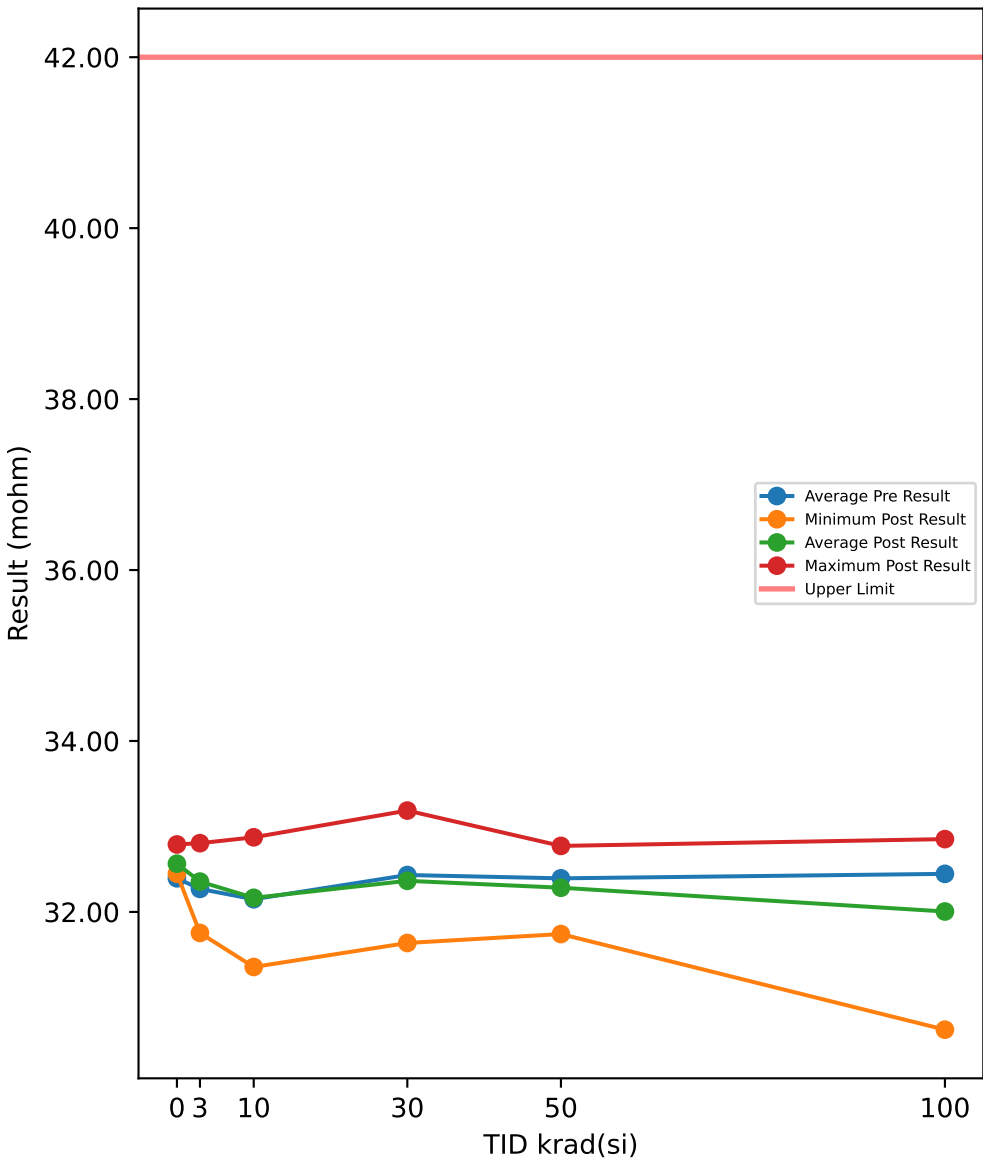
TID vs Post - Pre Exposure Delta



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

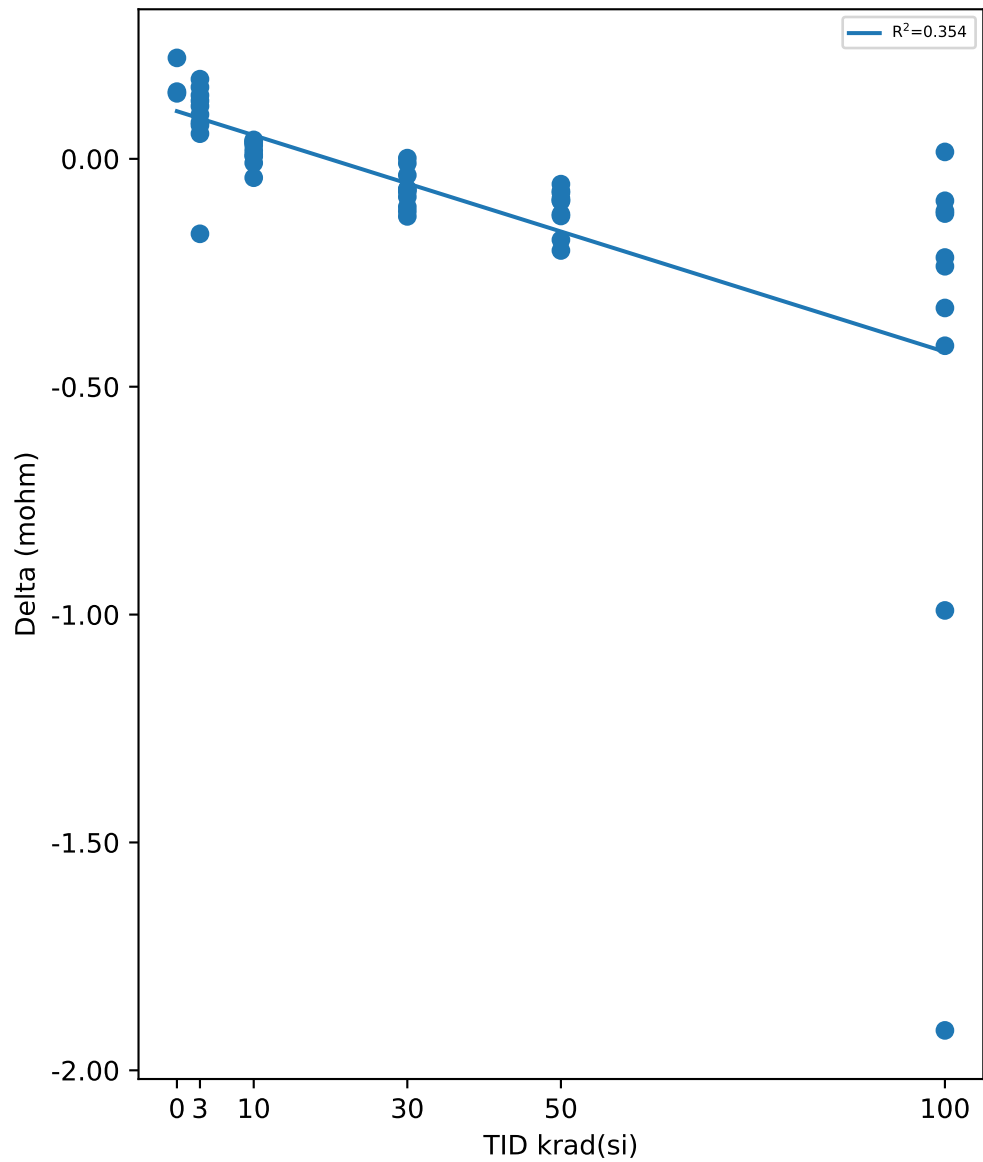
TID vs Result Stats



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

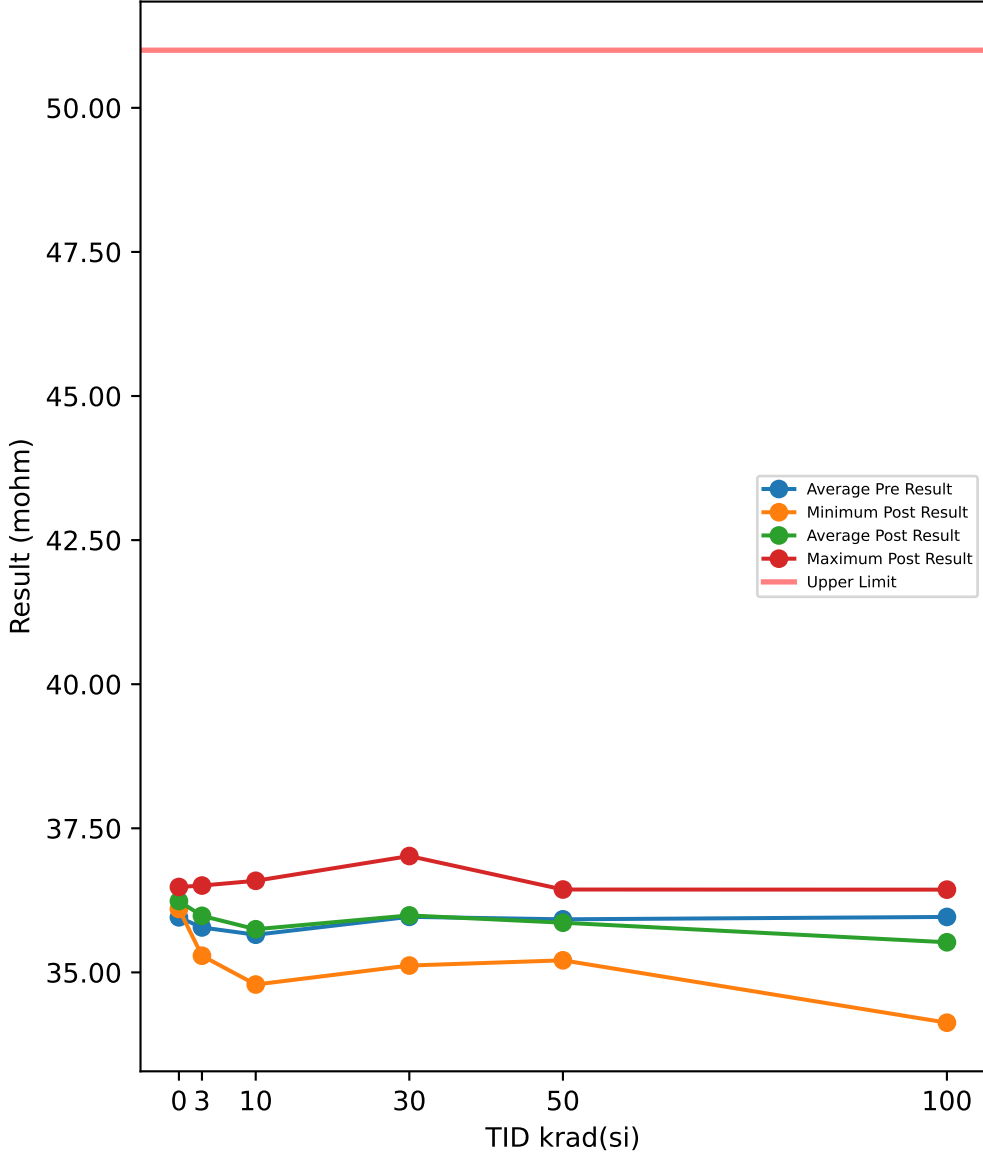
TID vs Post - Pre Exposure Delta



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

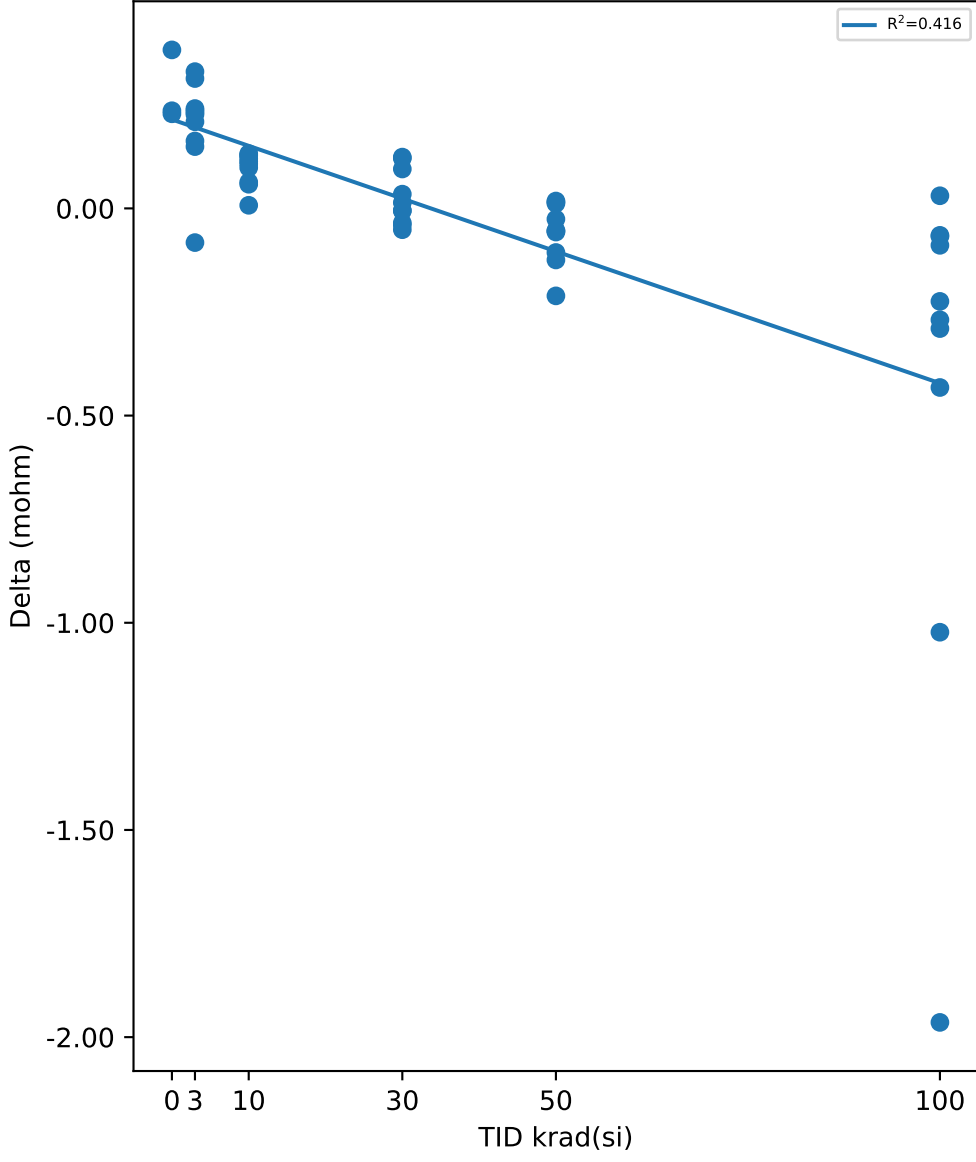
TID vs Result Stats



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

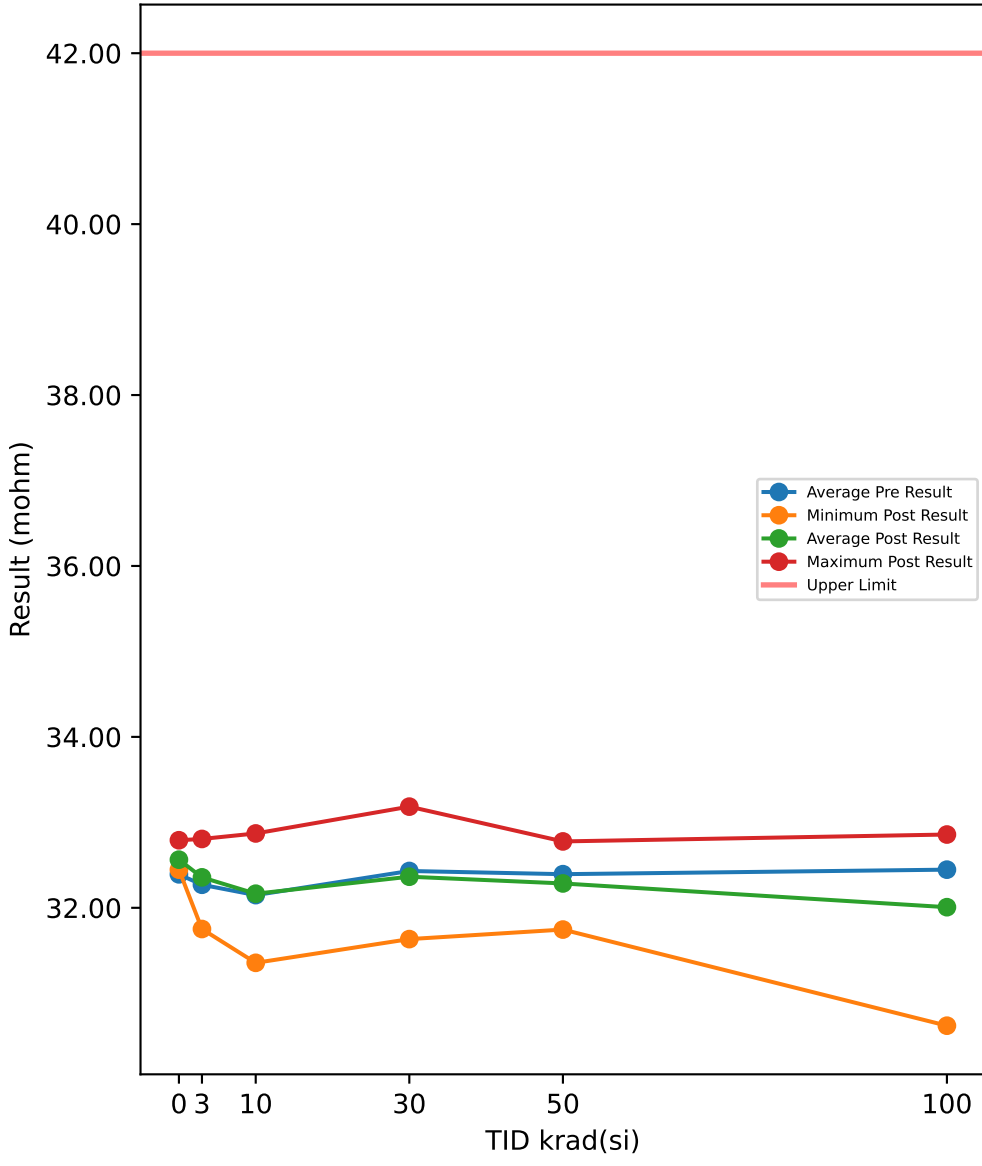
TID vs Post - Pre Exposure Delta



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

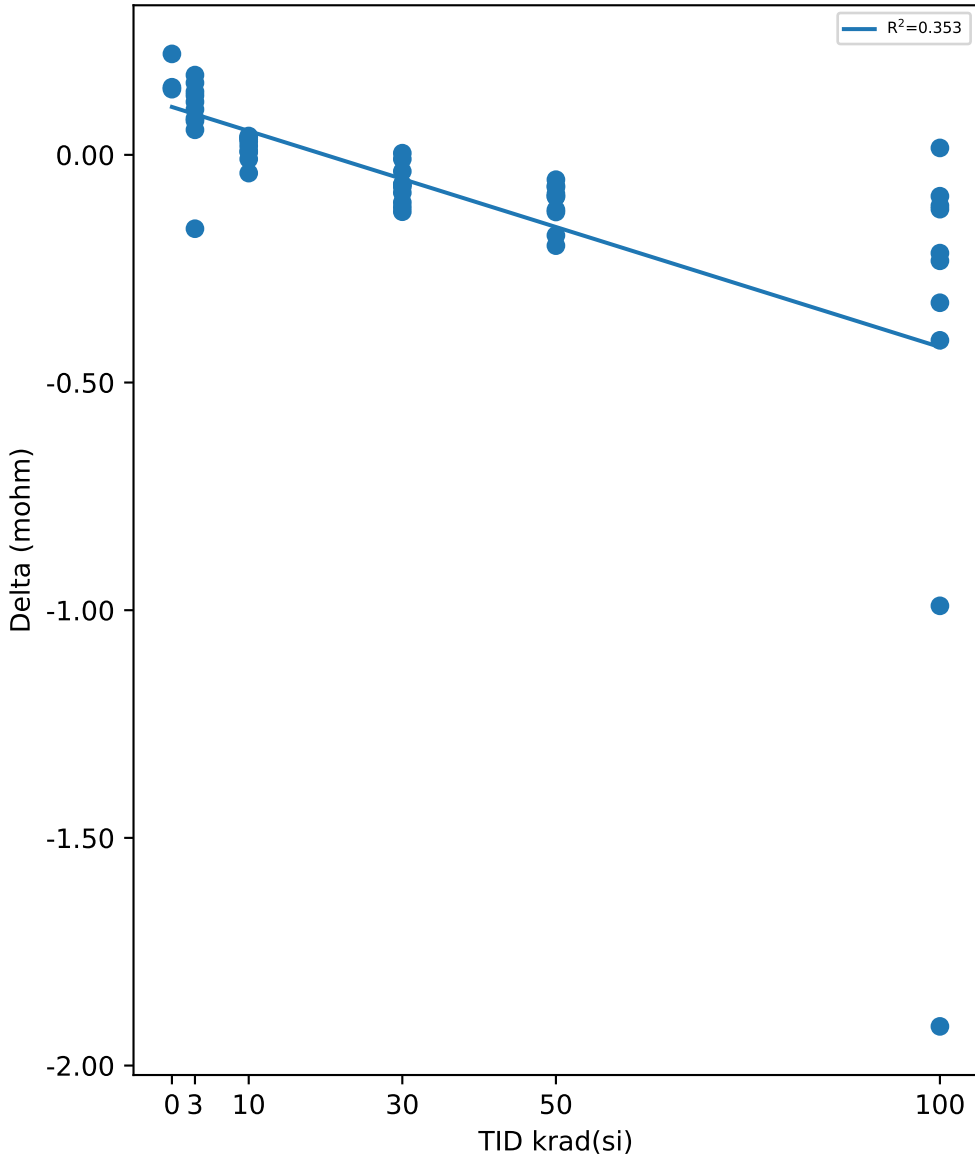
TID vs Result Stats



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

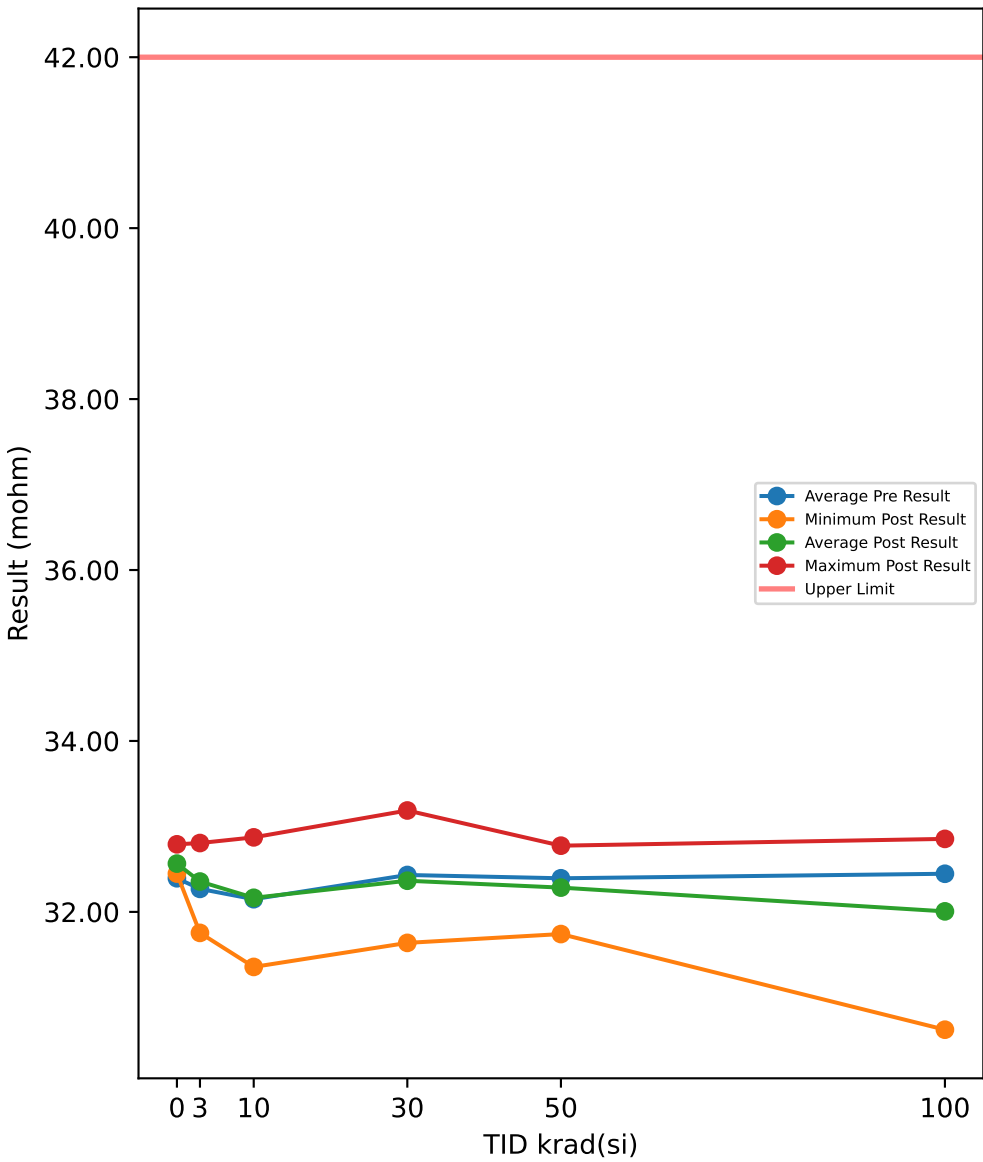
TID vs Post - Pre Exposure Delta



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

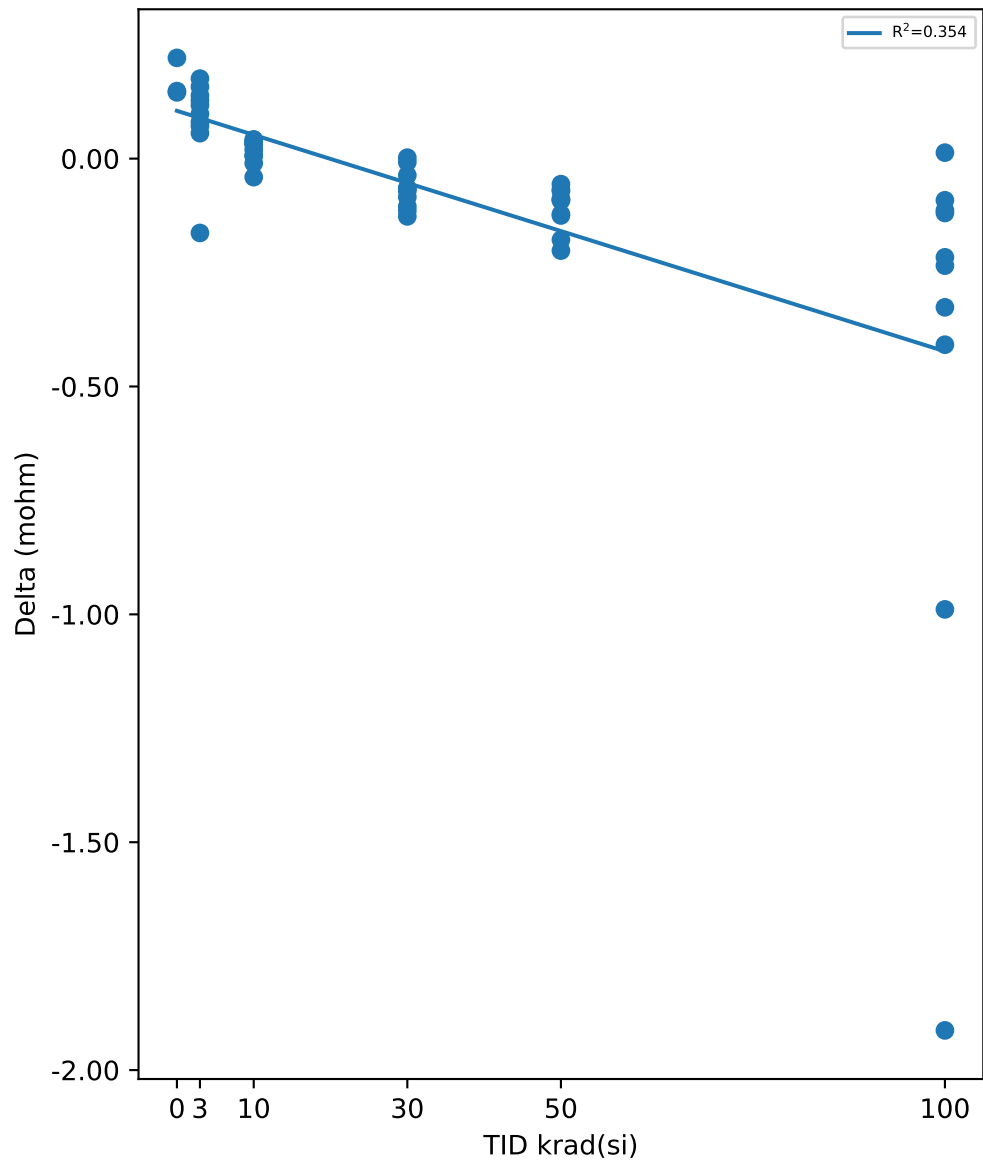
TID vs Result Stats



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

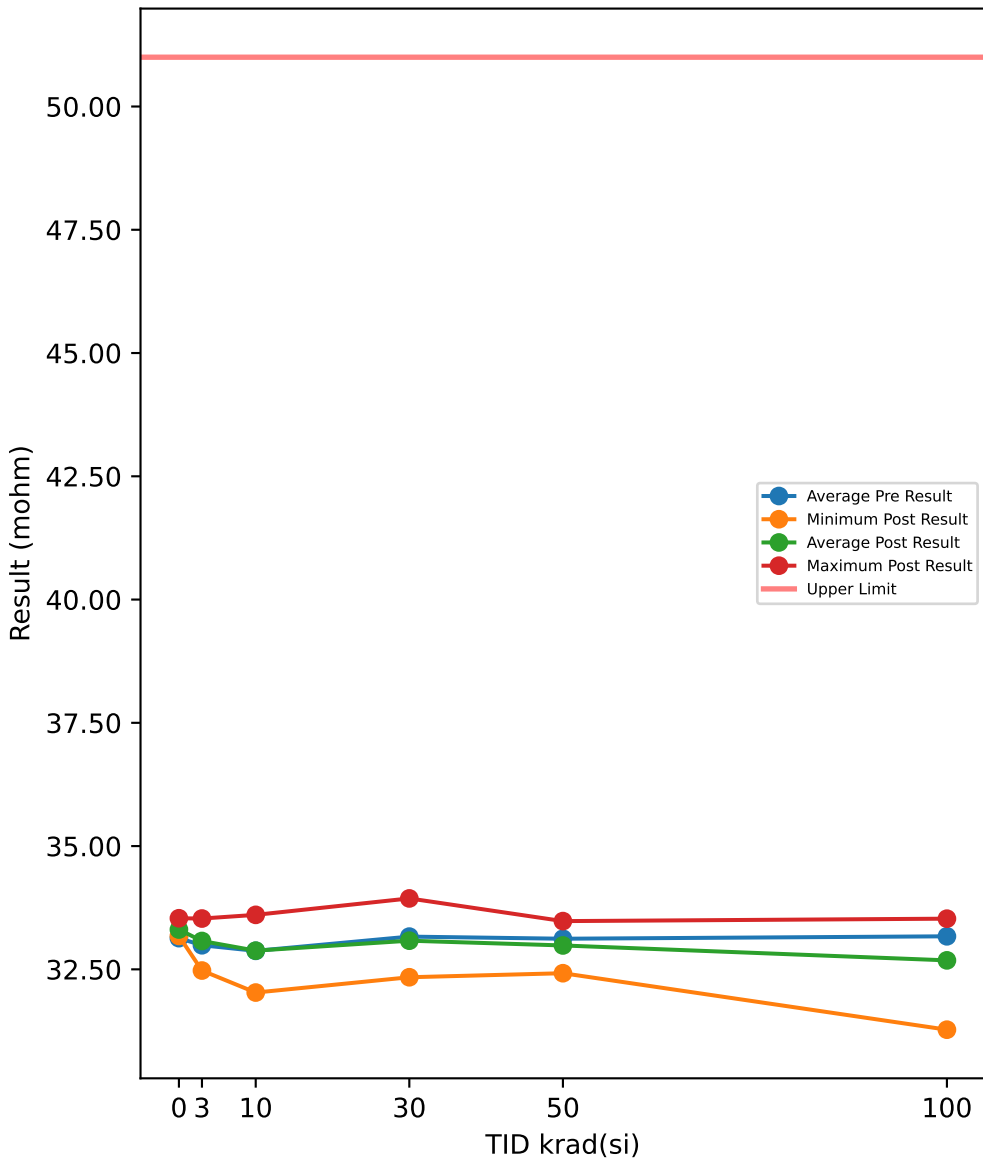
TID vs Post - Pre Exposure Delta



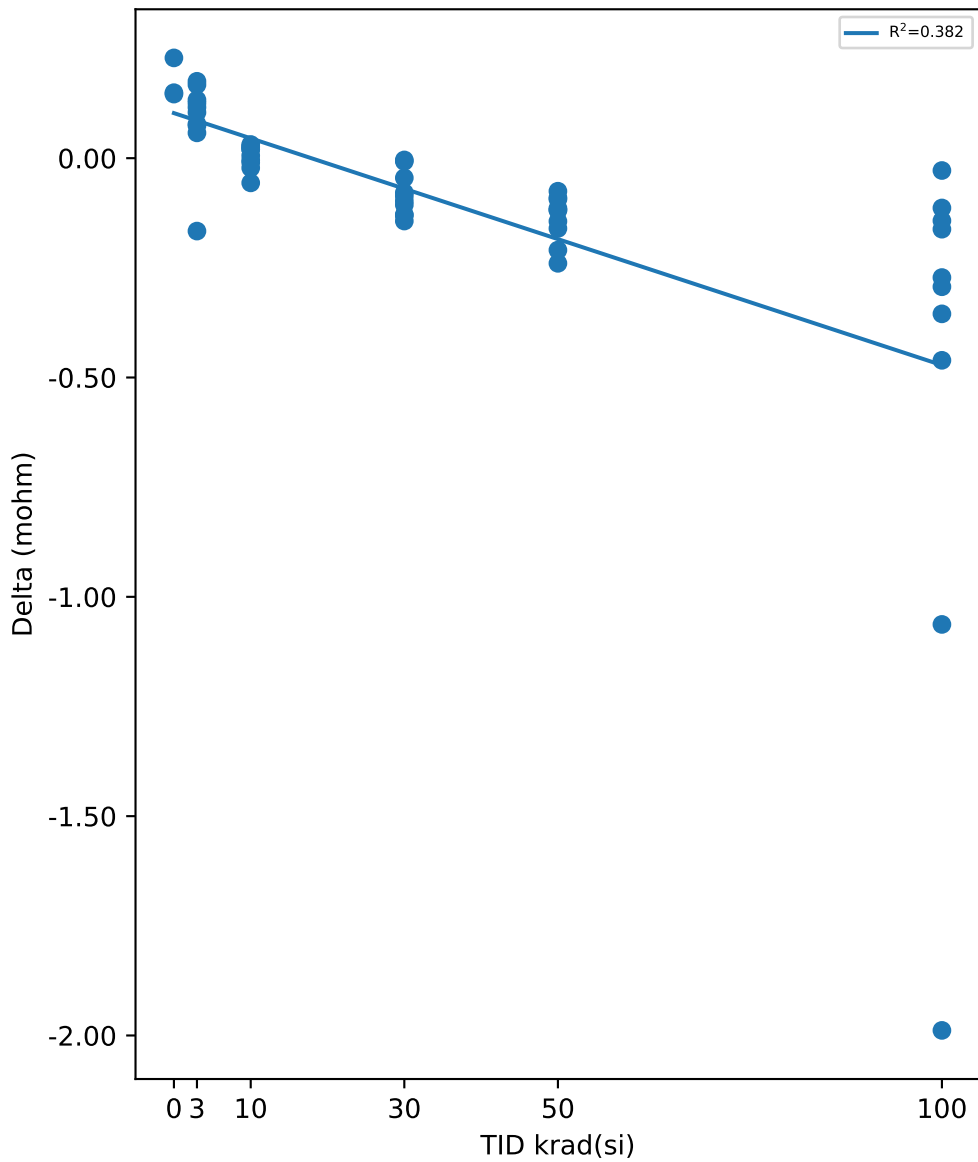
Test Statistics (mohm)

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

TID vs Result Stats



TID vs Post - Pre Exposure Delta



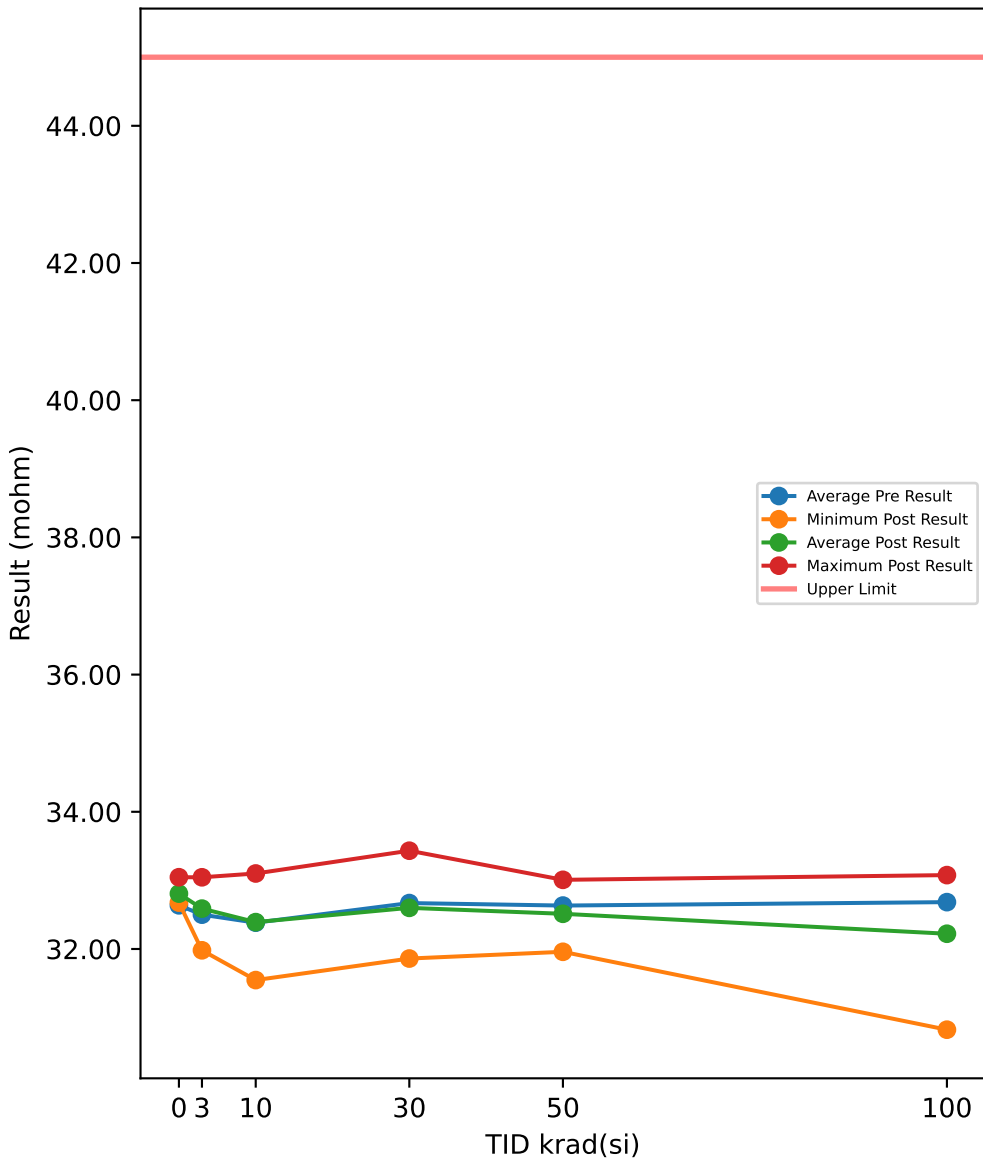
Test Results (Upper Limit = 51.0 (mohm))

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

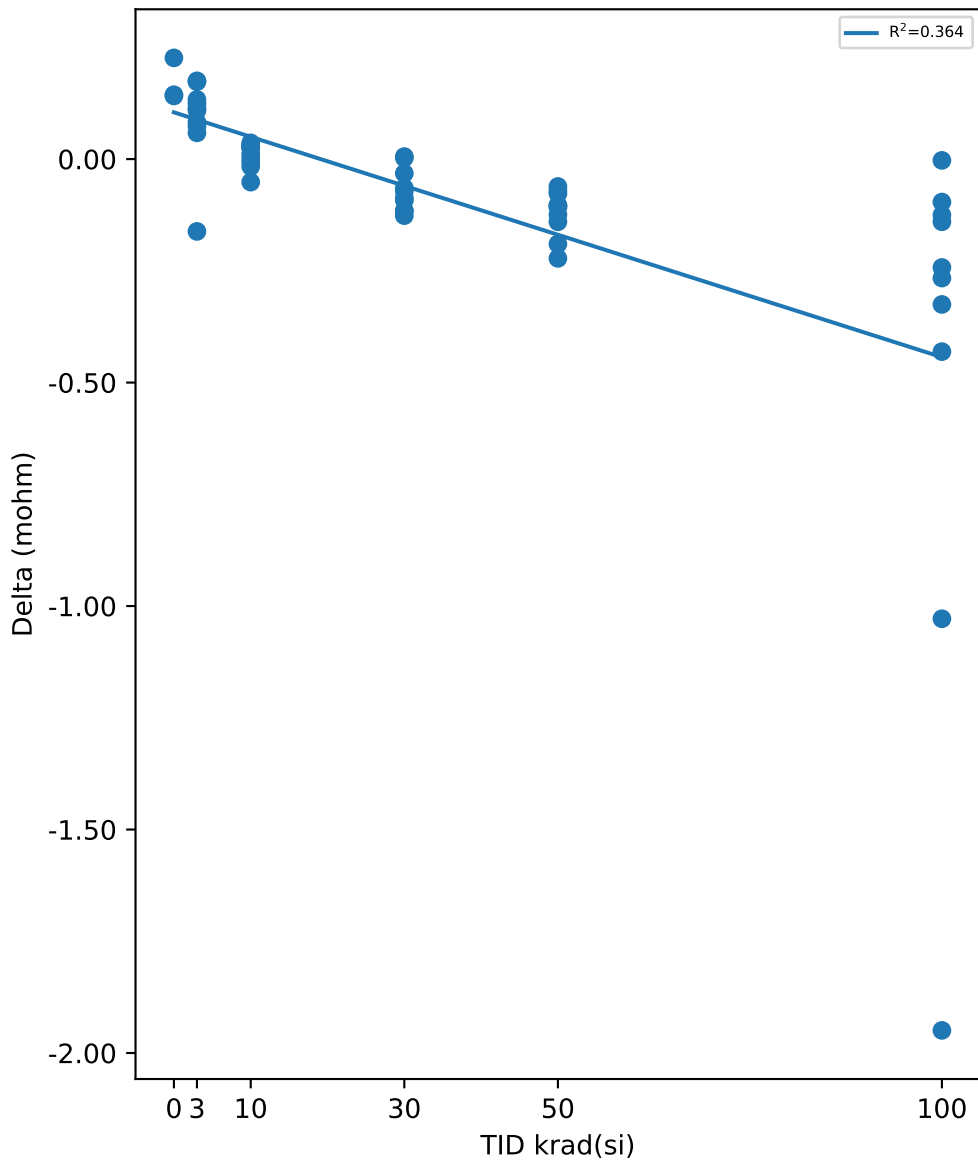
TID vs Result Stats



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

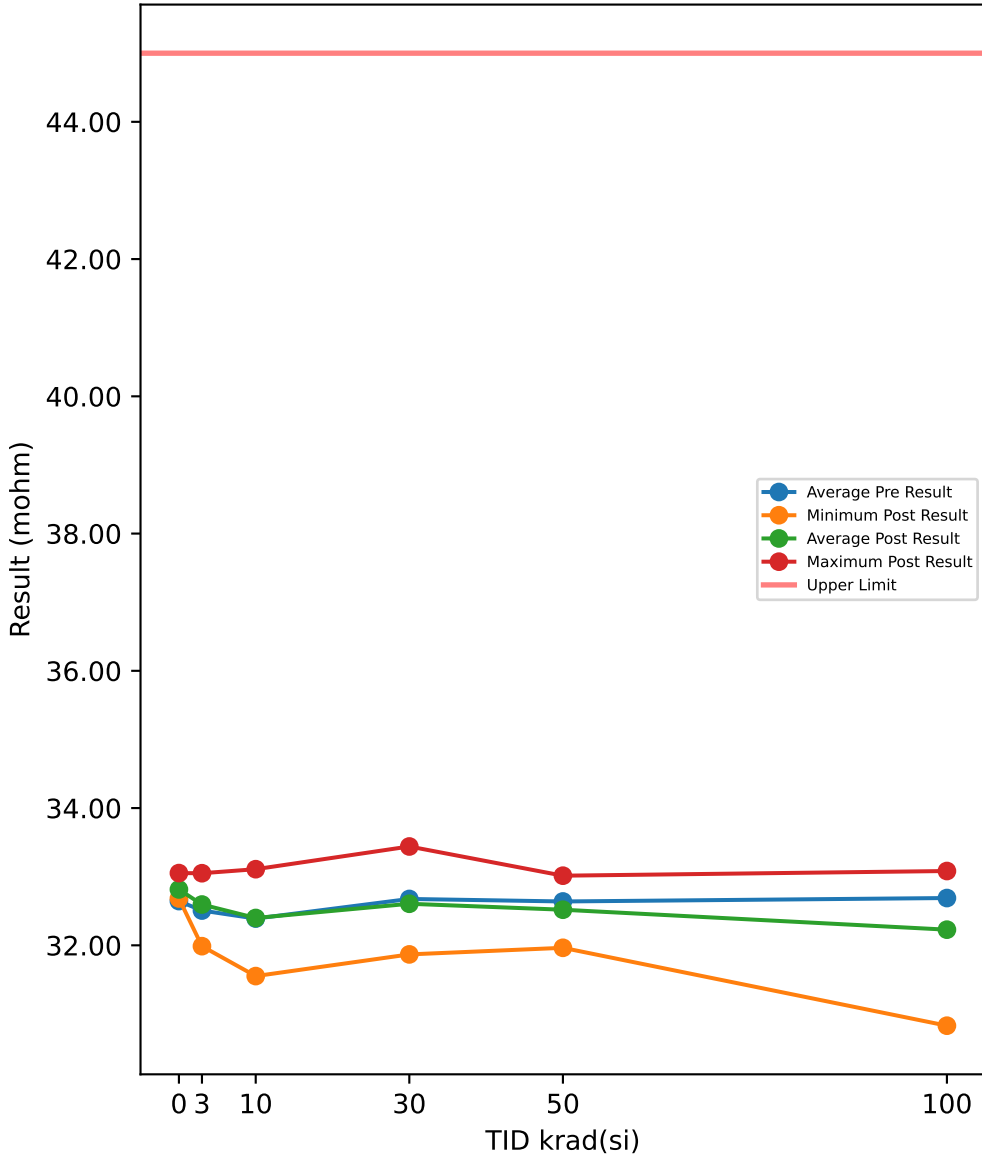
TID vs Post - Pre Exposure Delta



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

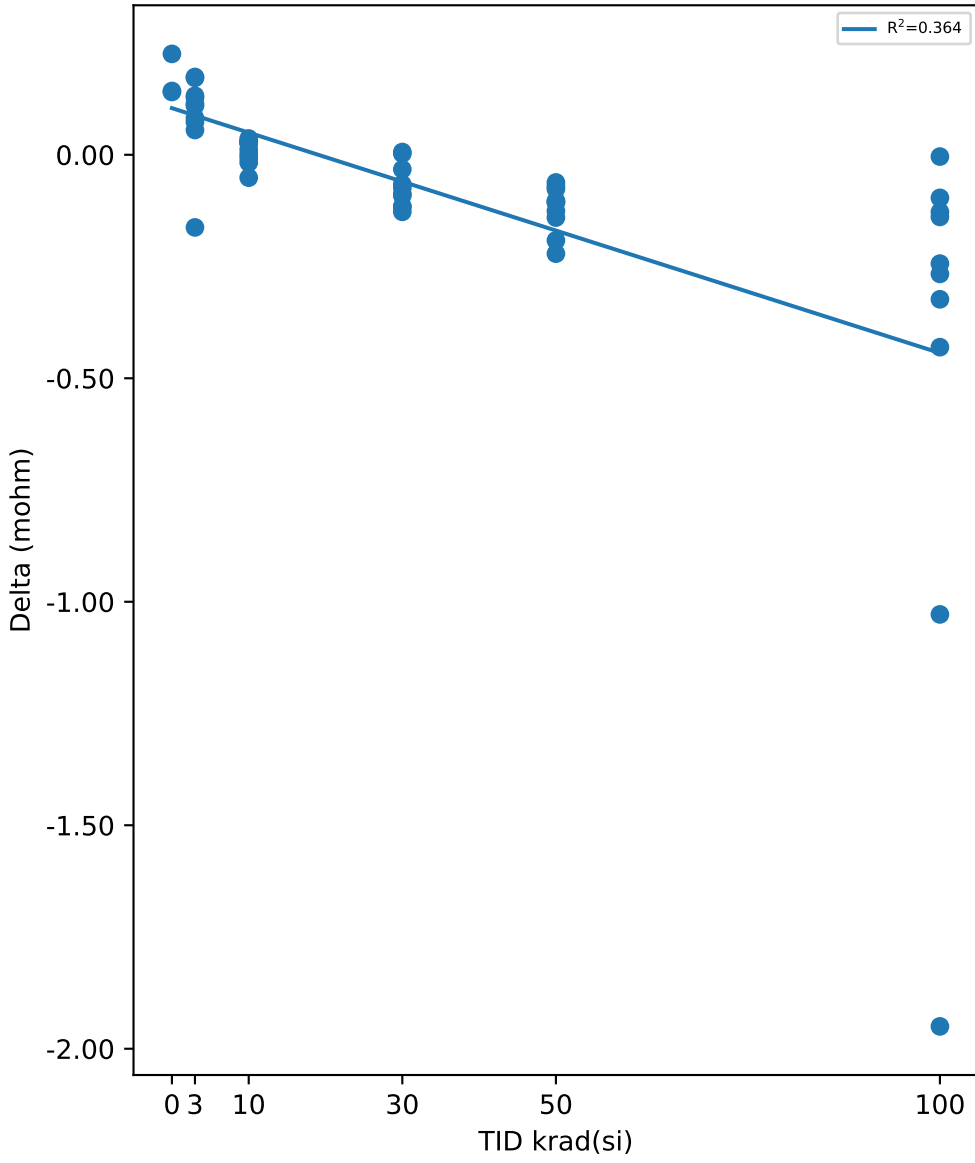
TID vs Result Stats



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

TID vs Post - Pre Exposure Delta

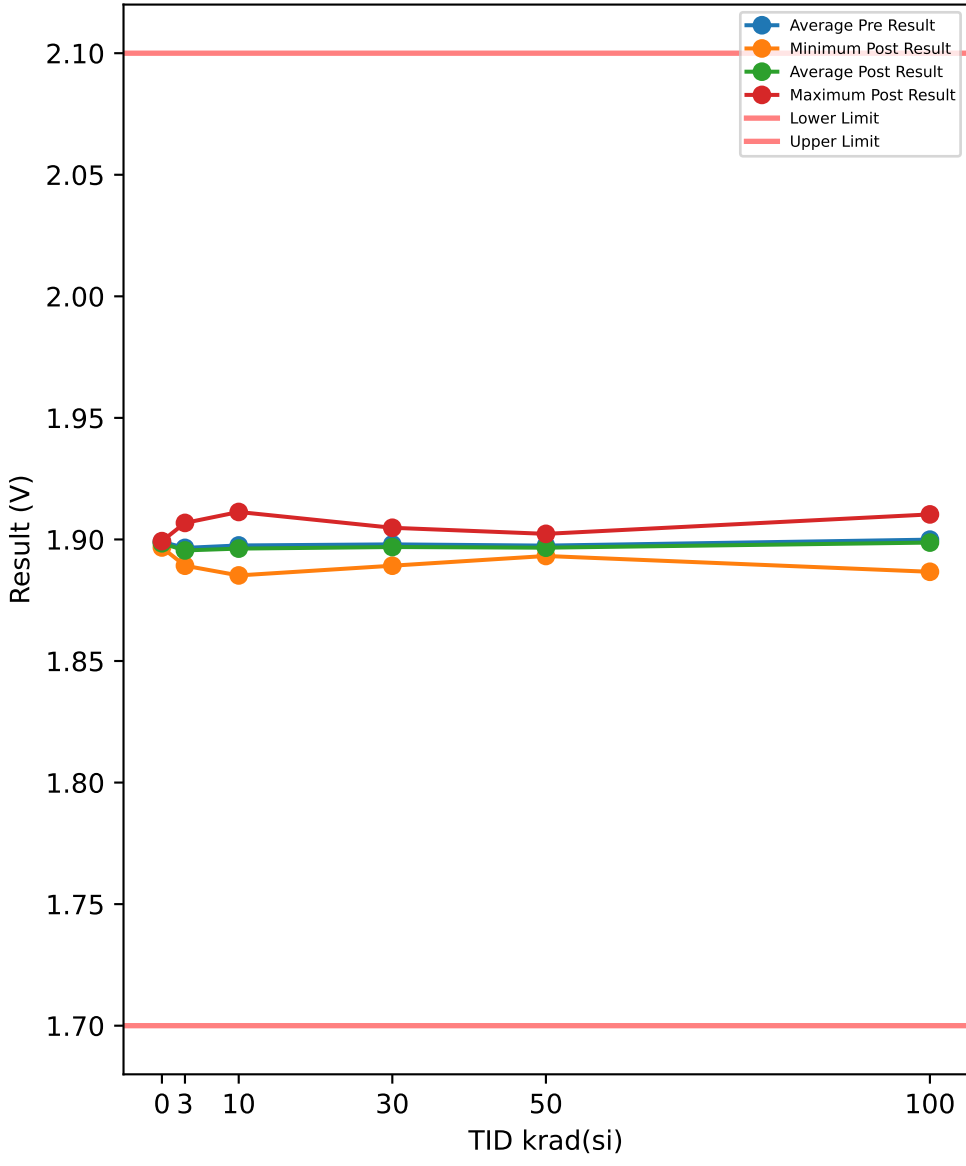


Test Statistics (mohm)

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(LEVELRISE/COMP/4.5////@V_COMP_SD)

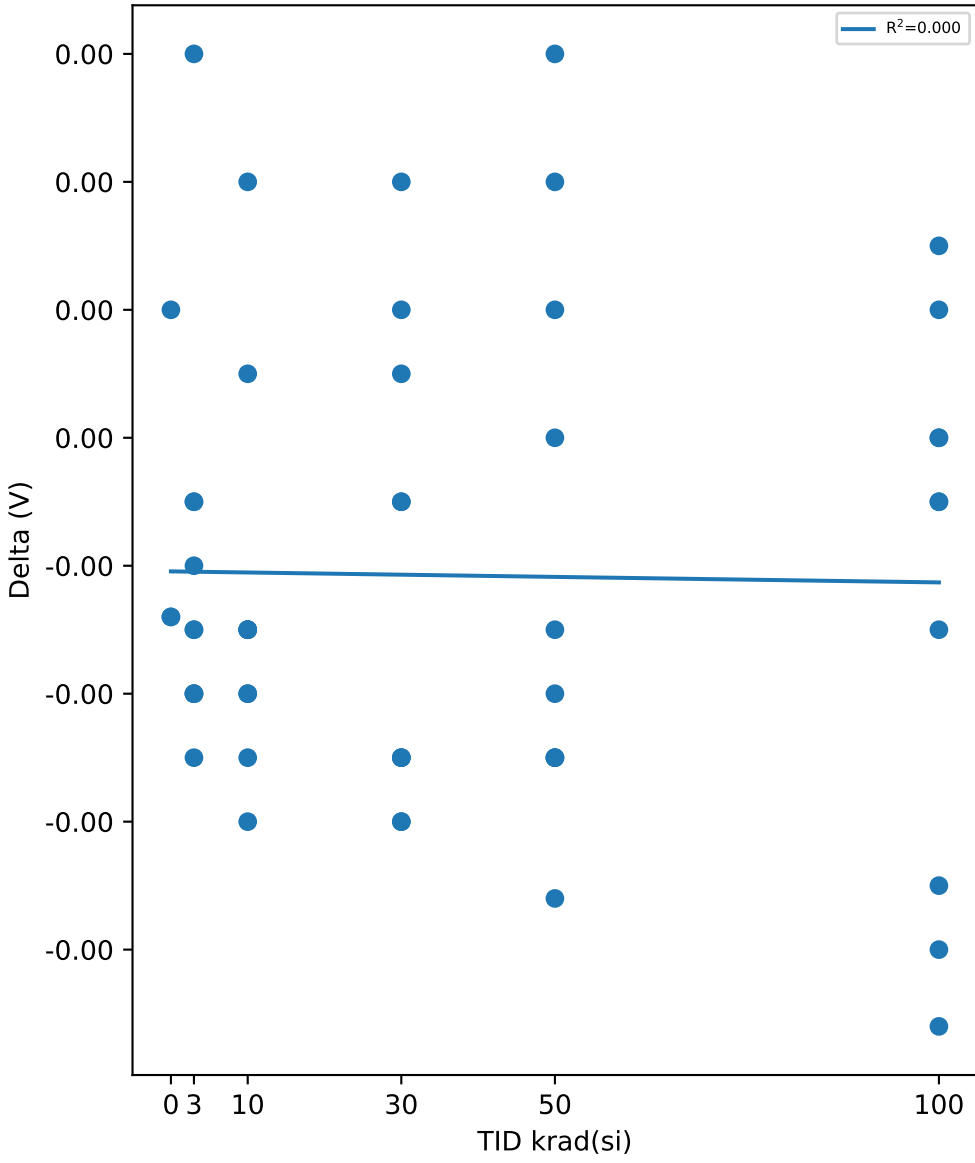
TID vs Result Stats



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

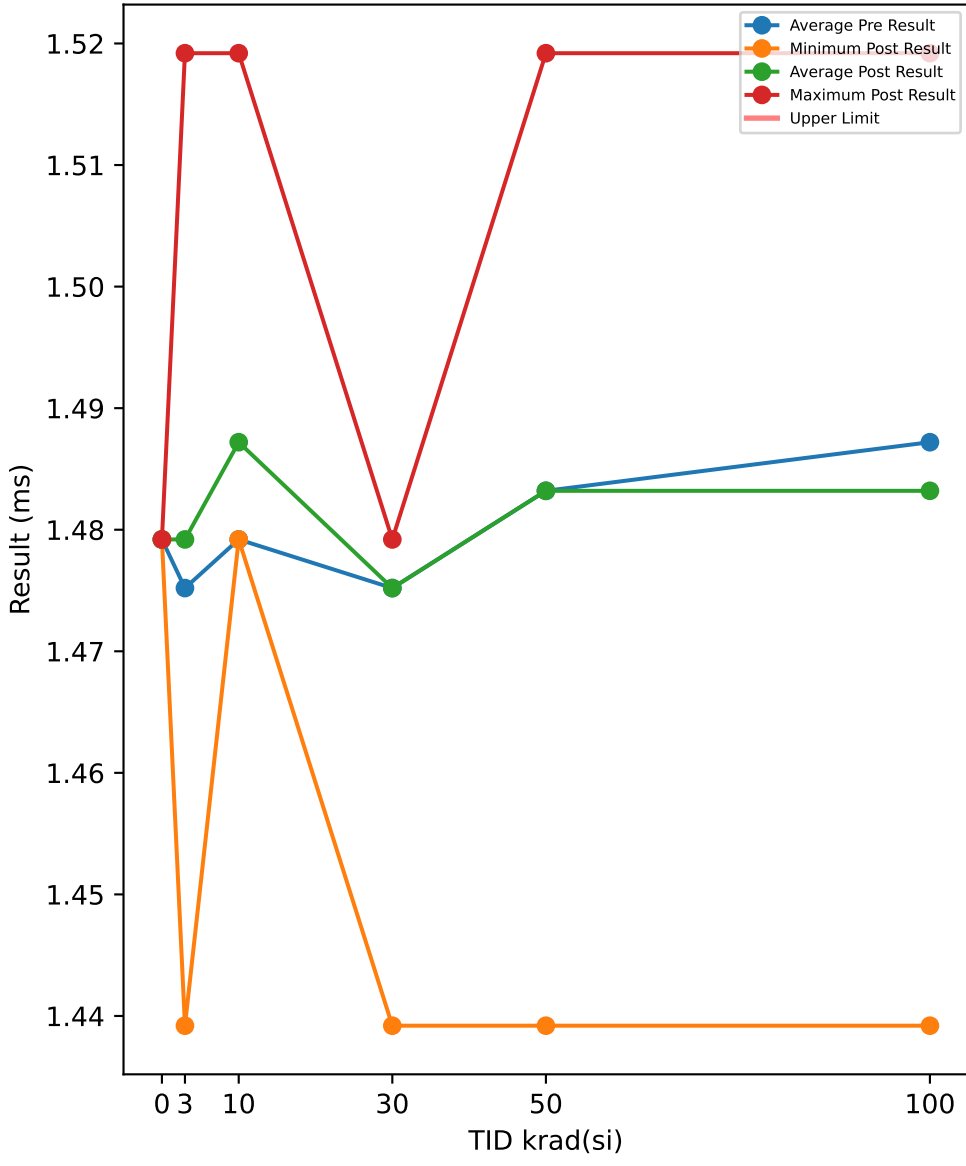
TID vs Post - Pre Exposure Delta



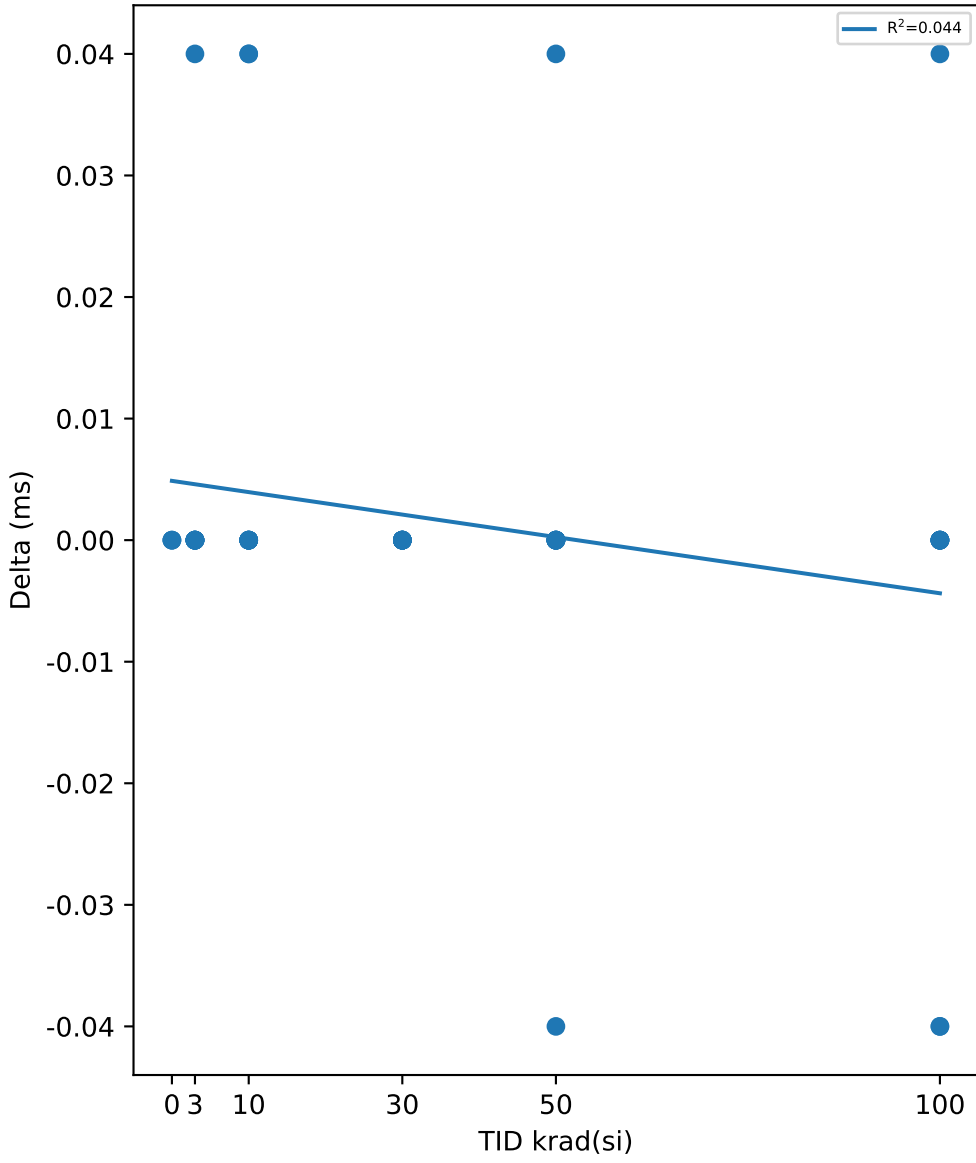
Test Statistics (V)

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	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

TID vs Result Stats



TID vs Post - Pre Exposure Delta



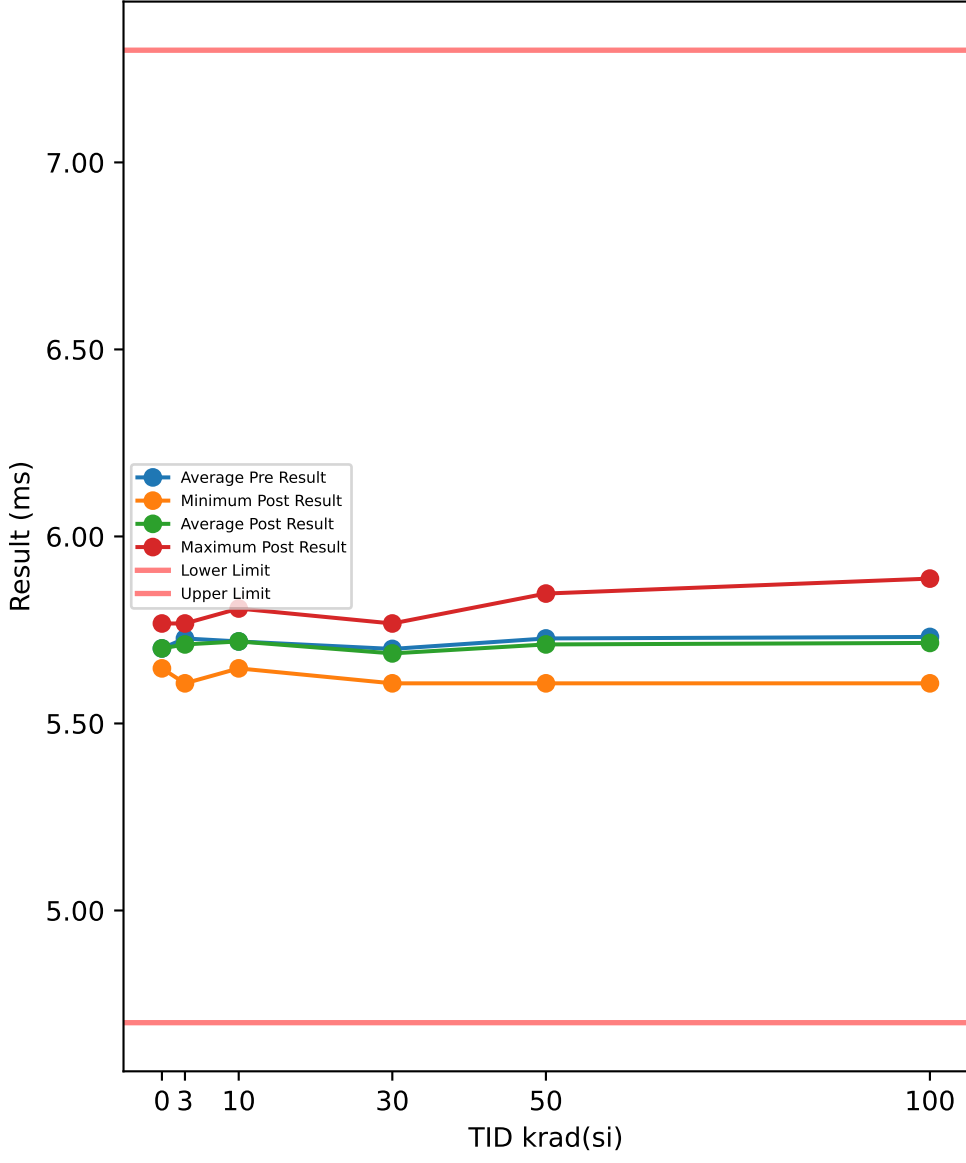
Test Results (No Limits Specified (ms))

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

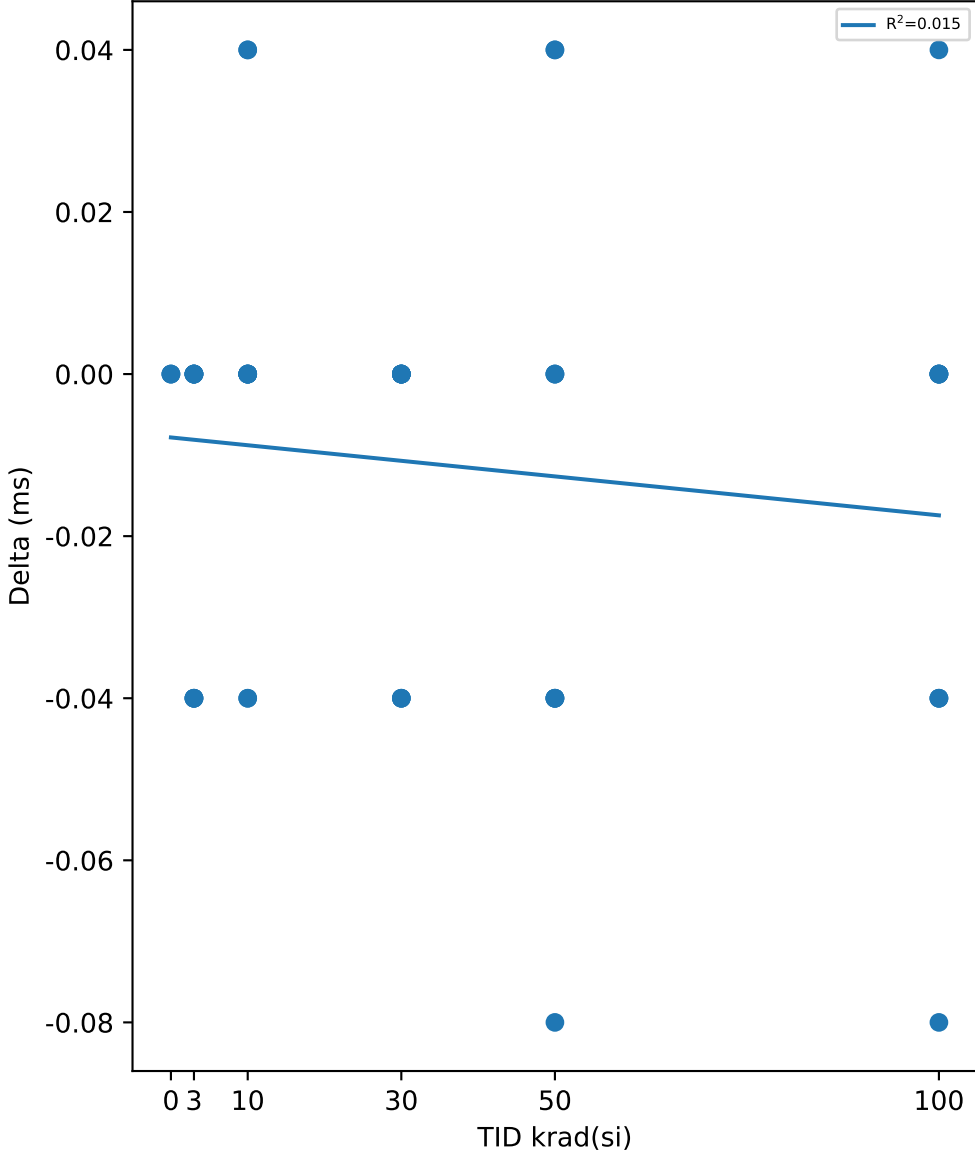
TID vs Result Stats



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

TID vs Post - Pre Exposure Delta

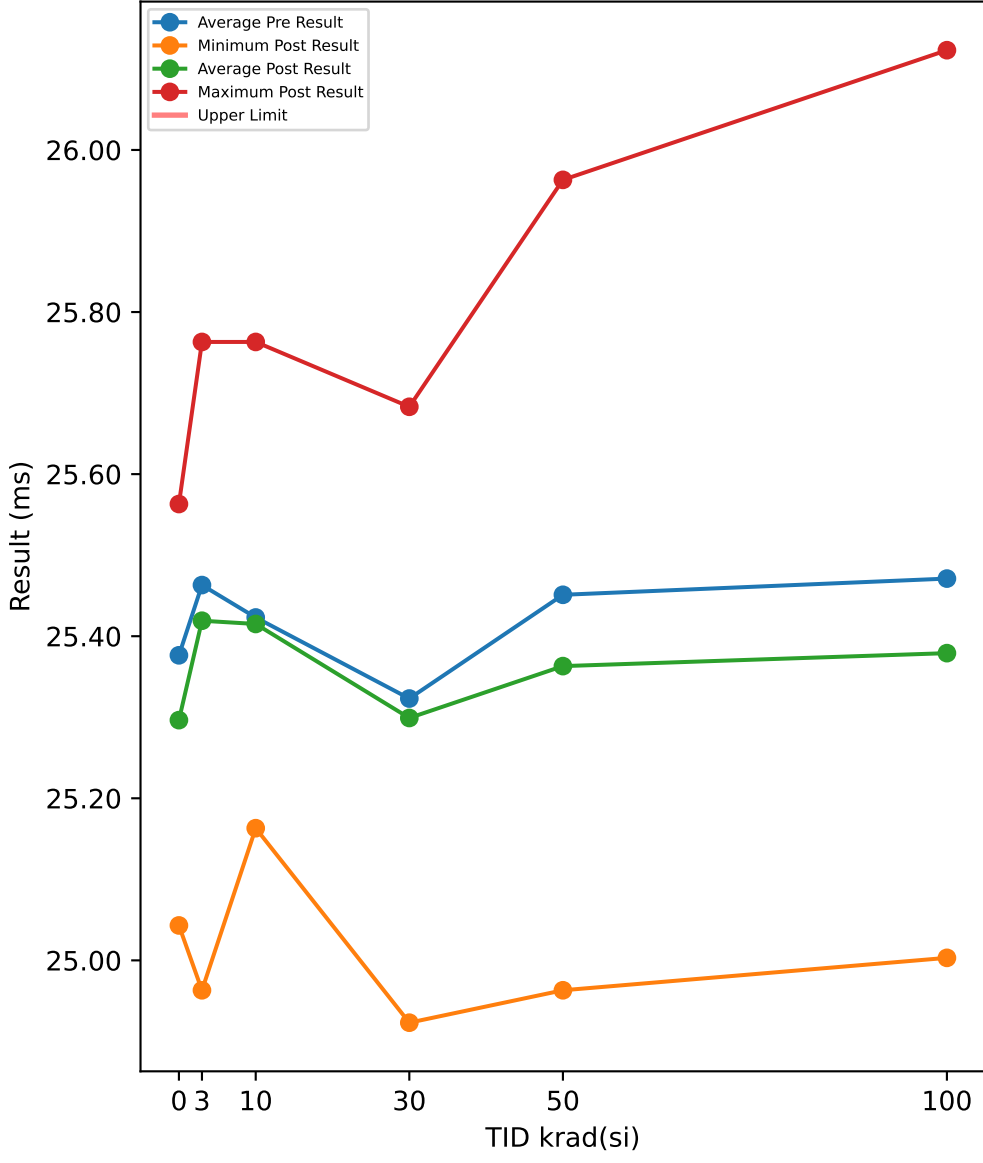


Test Statistics (ms)

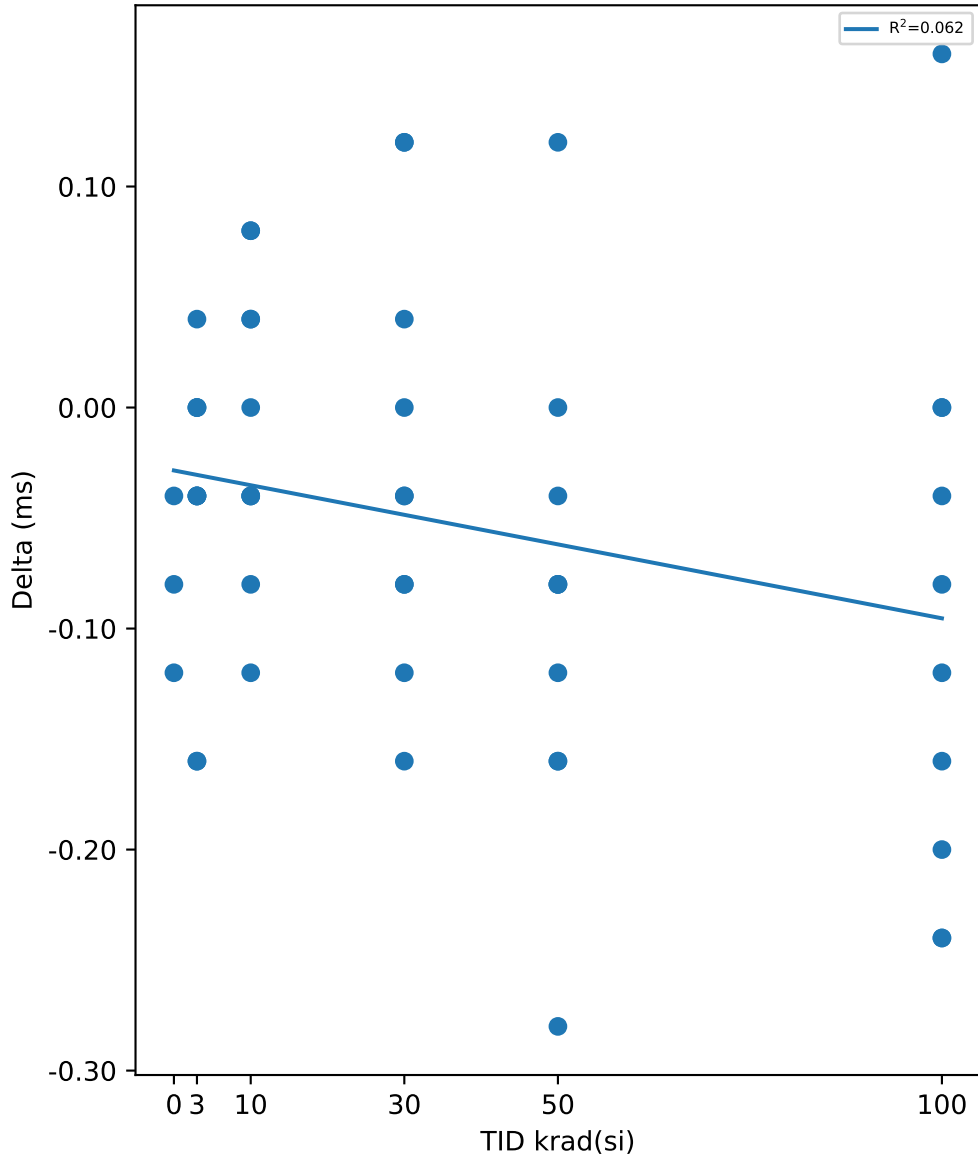
krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	5.6473	5.7006	5.7673	0.061101	5.6473	5.7006	5.7673	0.061101	0	0	0	0
3	5.6473	5.7273	5.7673	0.042164	5.6073	5.7113	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)

TID vs Result Stats



TID vs Post - Pre Exposure Delta



Test Results (No Limits Specified (ms))

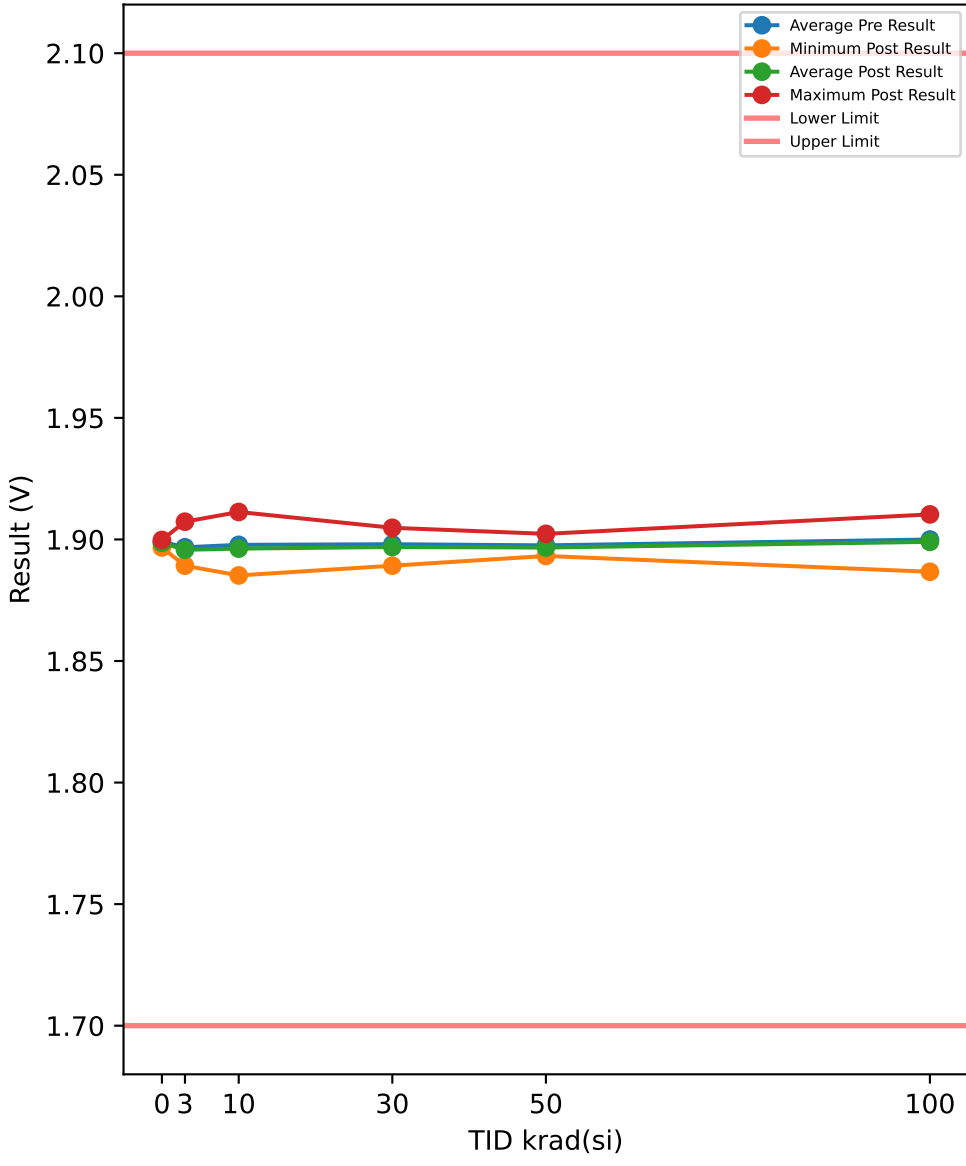
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
390	100	Biased	25.203	25.083	-0.12
392	100	Biased	25.323	25.123	-0.2
393	100	Biased	25.483	25.443	-0.04
394	100	Biased	25.283	25.043	-0.24
395	100	Biased	25.323	25.323	0
412	100	Unbiased	25.523	25.523	0
413	100	Unbiased	25.963	26.123	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)

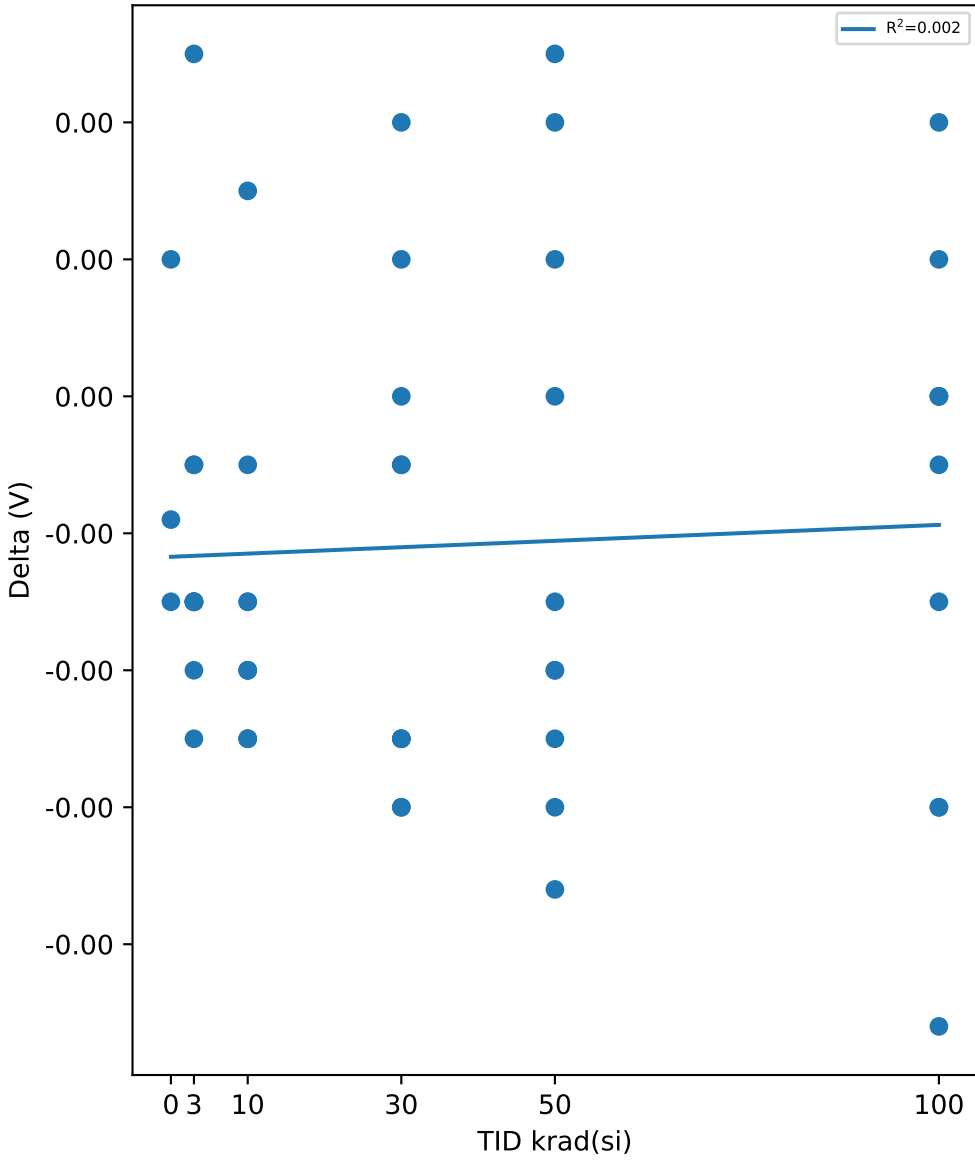
TID vs Result Stats



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

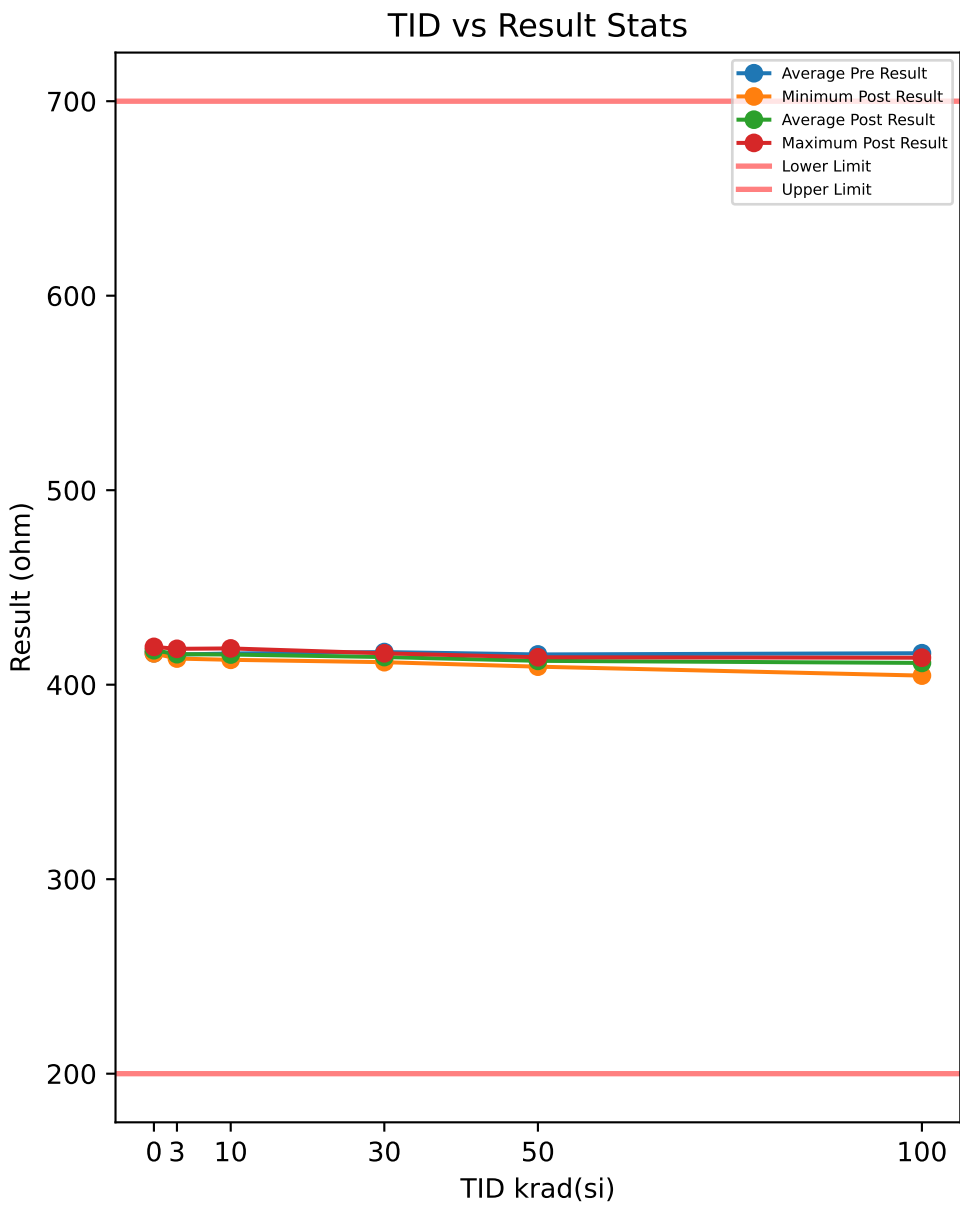
TID vs Post - Pre Exposure Delta



Test Statistics (V)

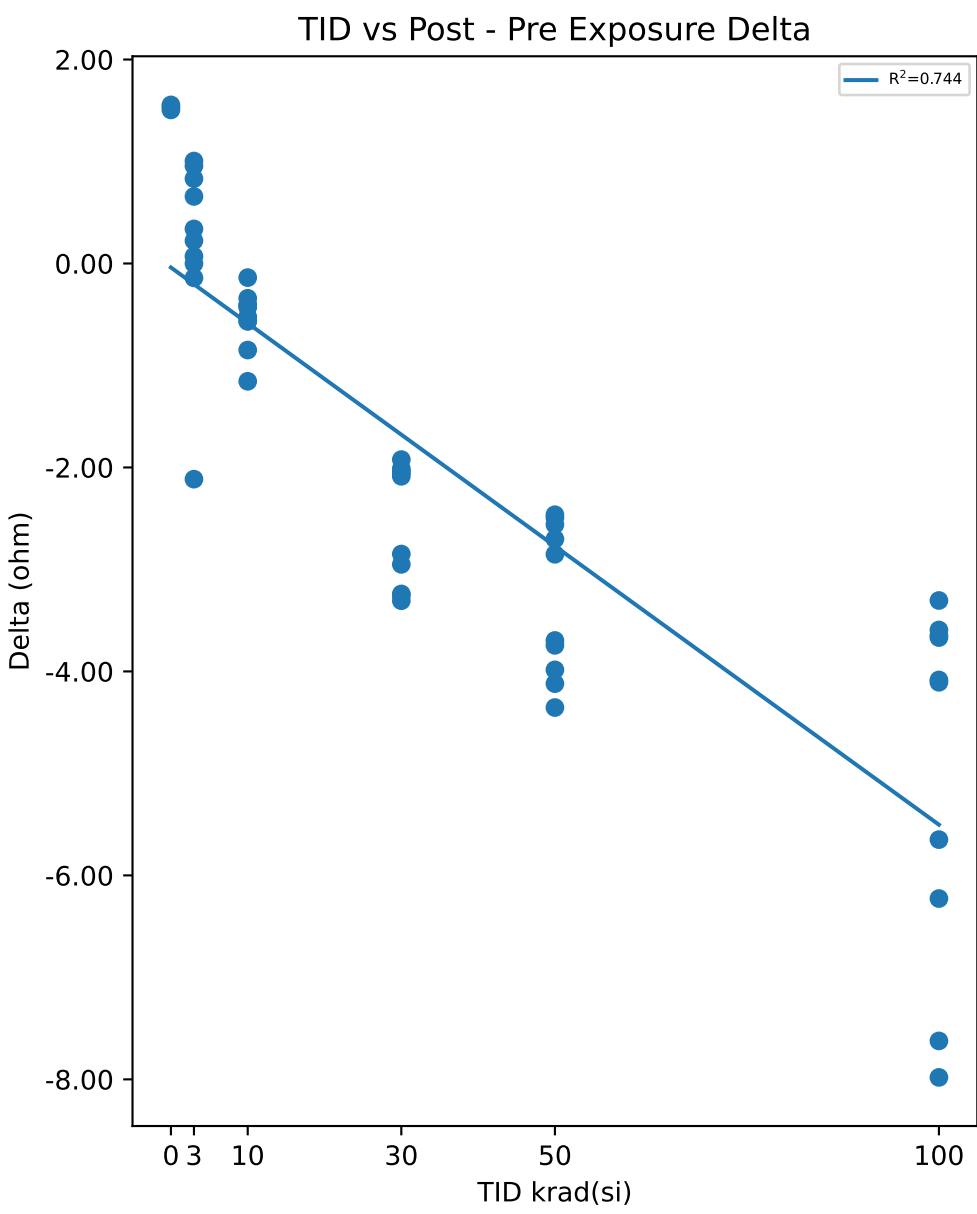
krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	1.8957	1.8991	1.9013	0.002967	1.8967	1.8986	1.8998	0.0016643	-0.0015	-0.00046667	0.001	0.0013051
3	1.8907	1.8968	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

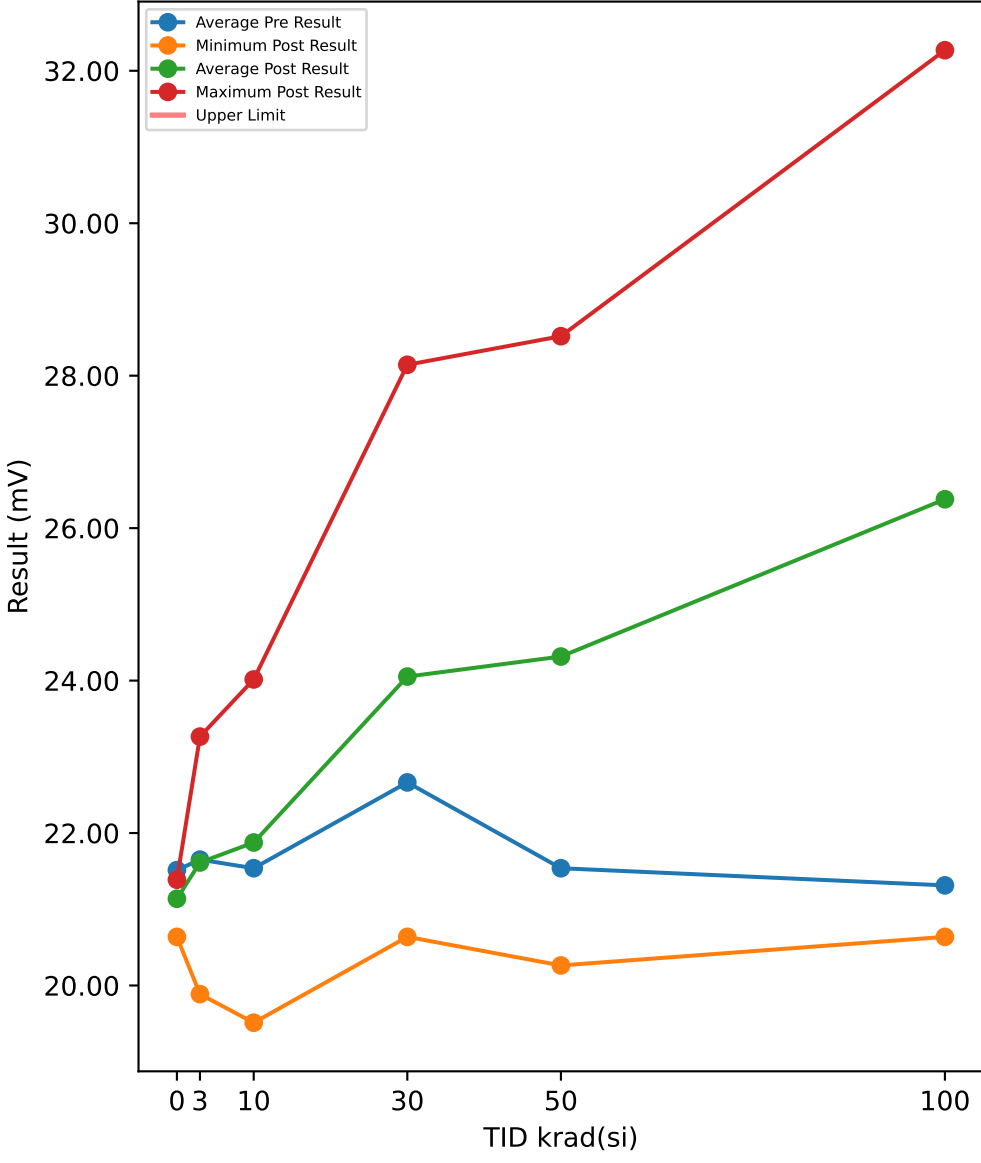


Test Statistics (ohm)

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)

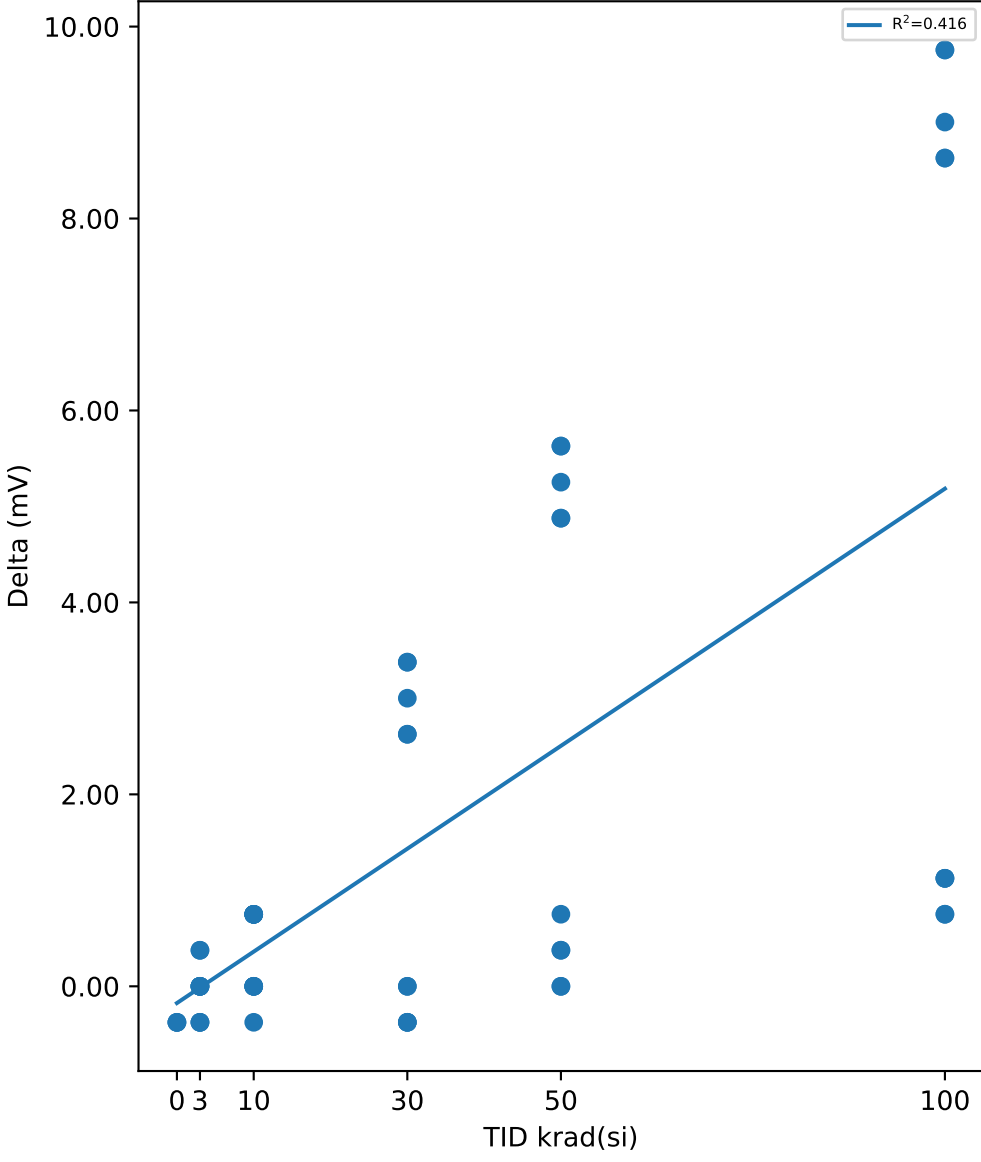
TID vs Result Stats



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

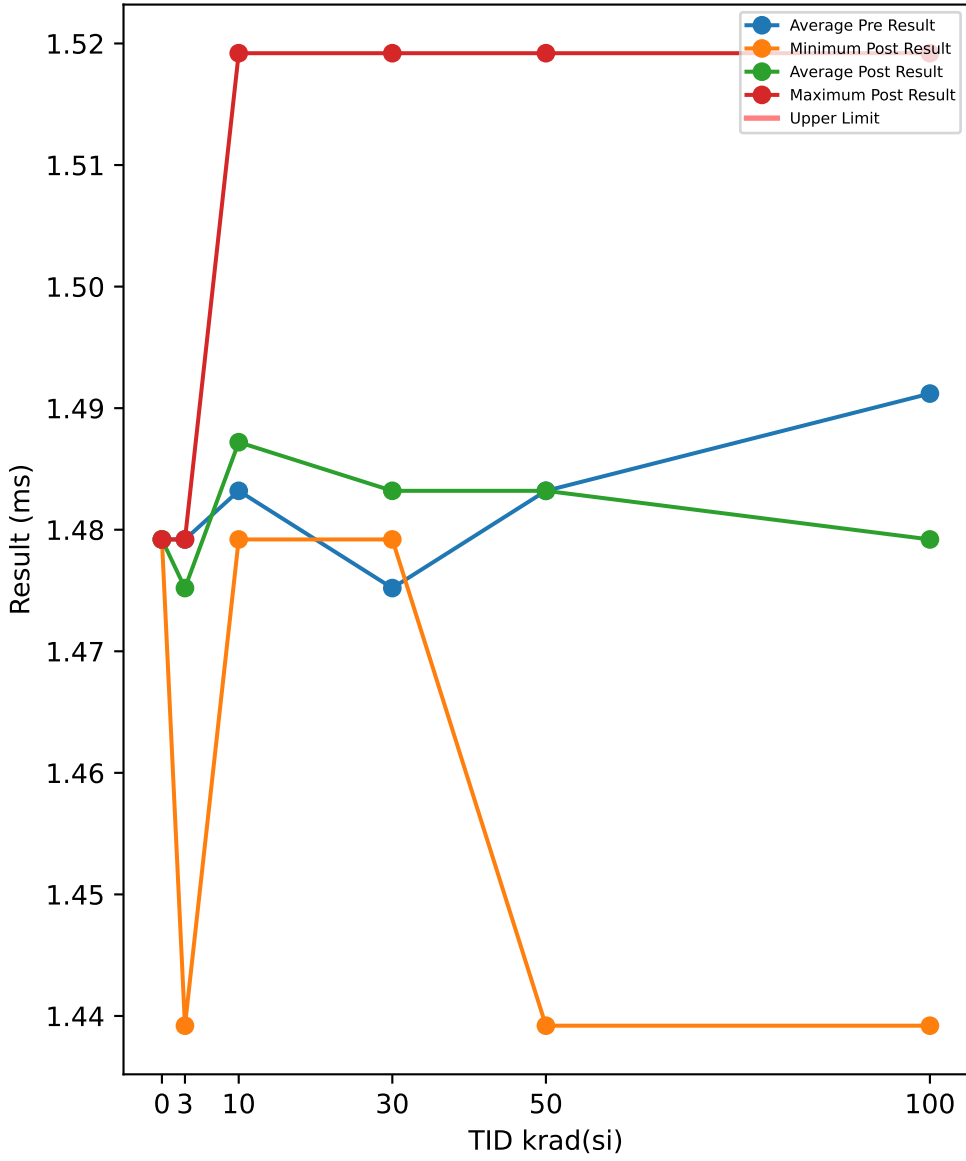
TID vs Post - Pre Exposure Delta



Test Statistics (mV)

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	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

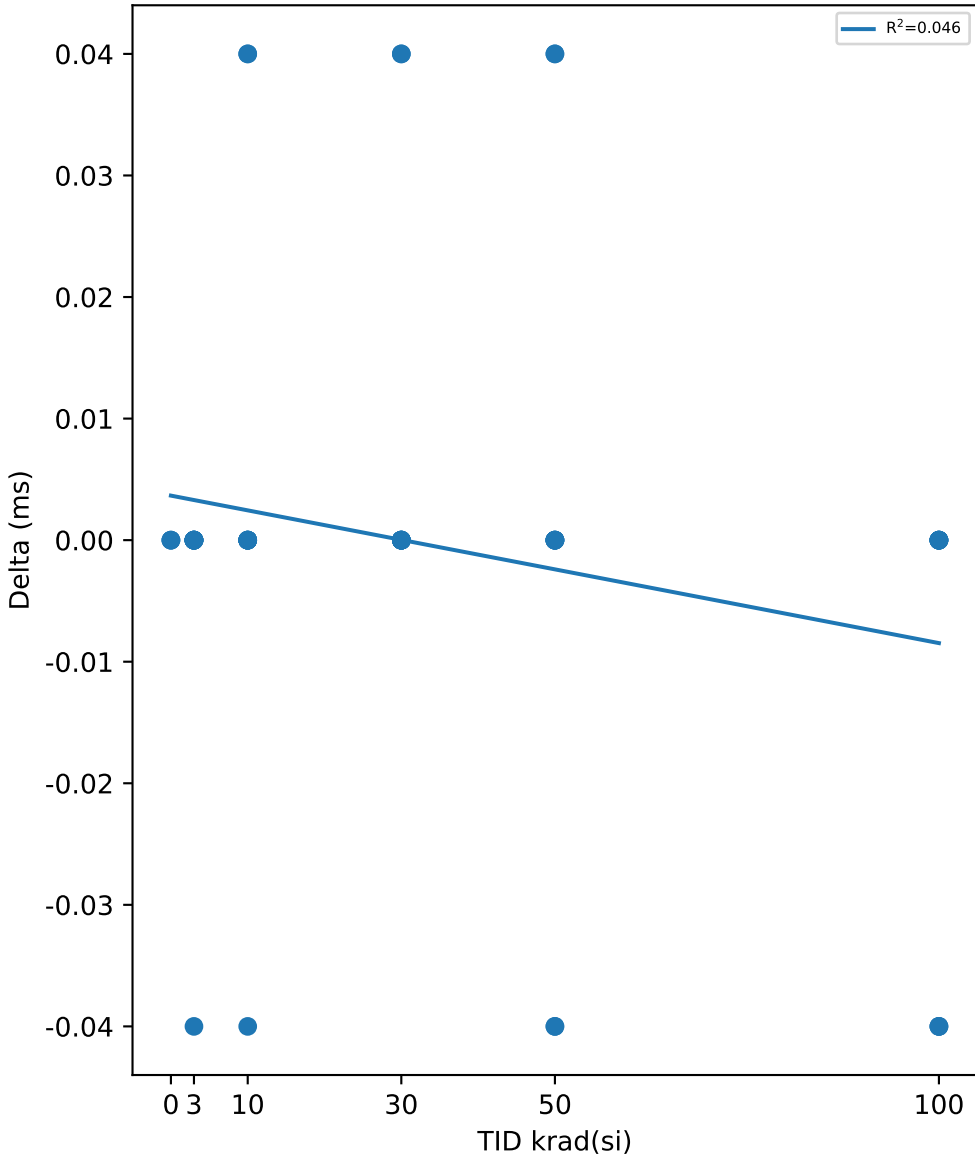
TID vs Result Stats



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

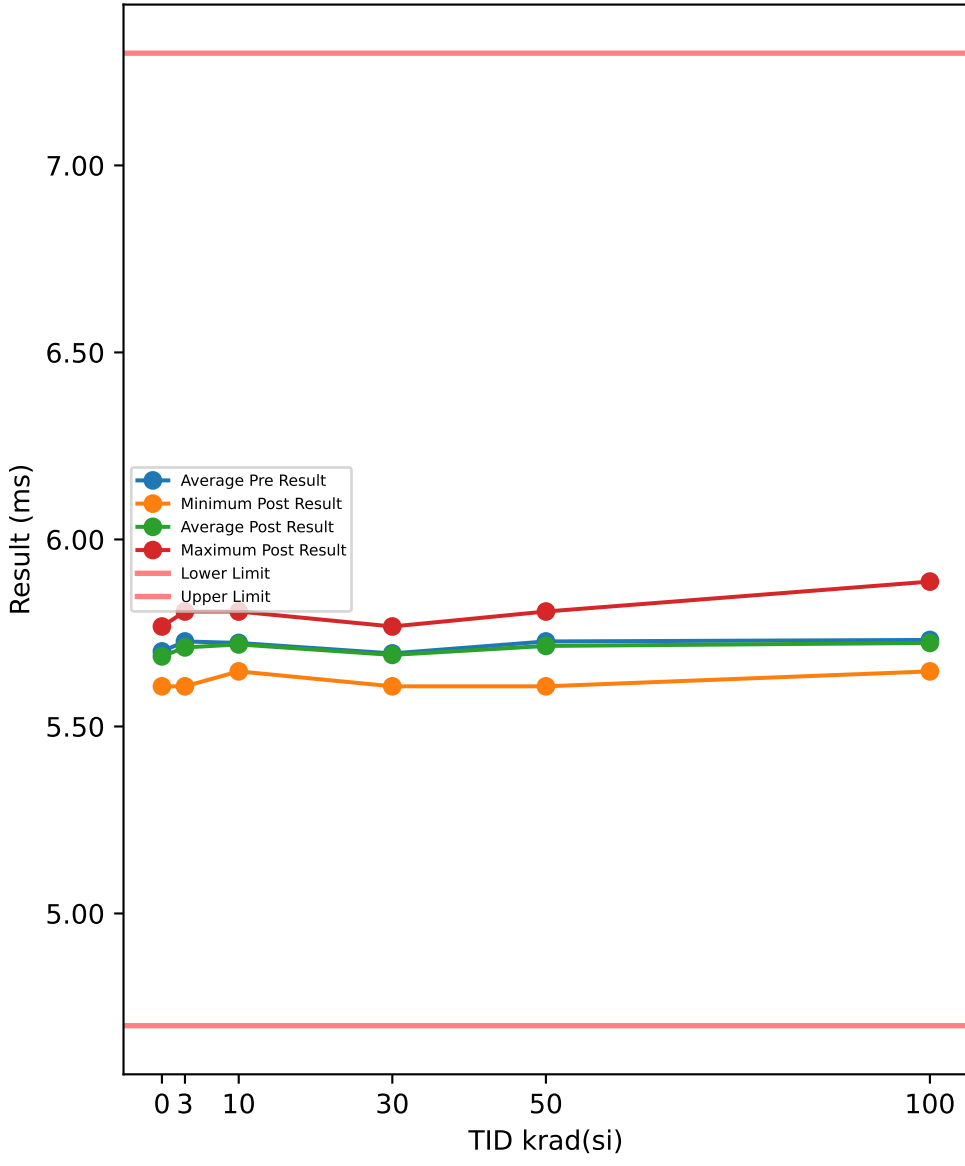
TID vs Post - Pre Exposure Delta



Test Statistics (ms)

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	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

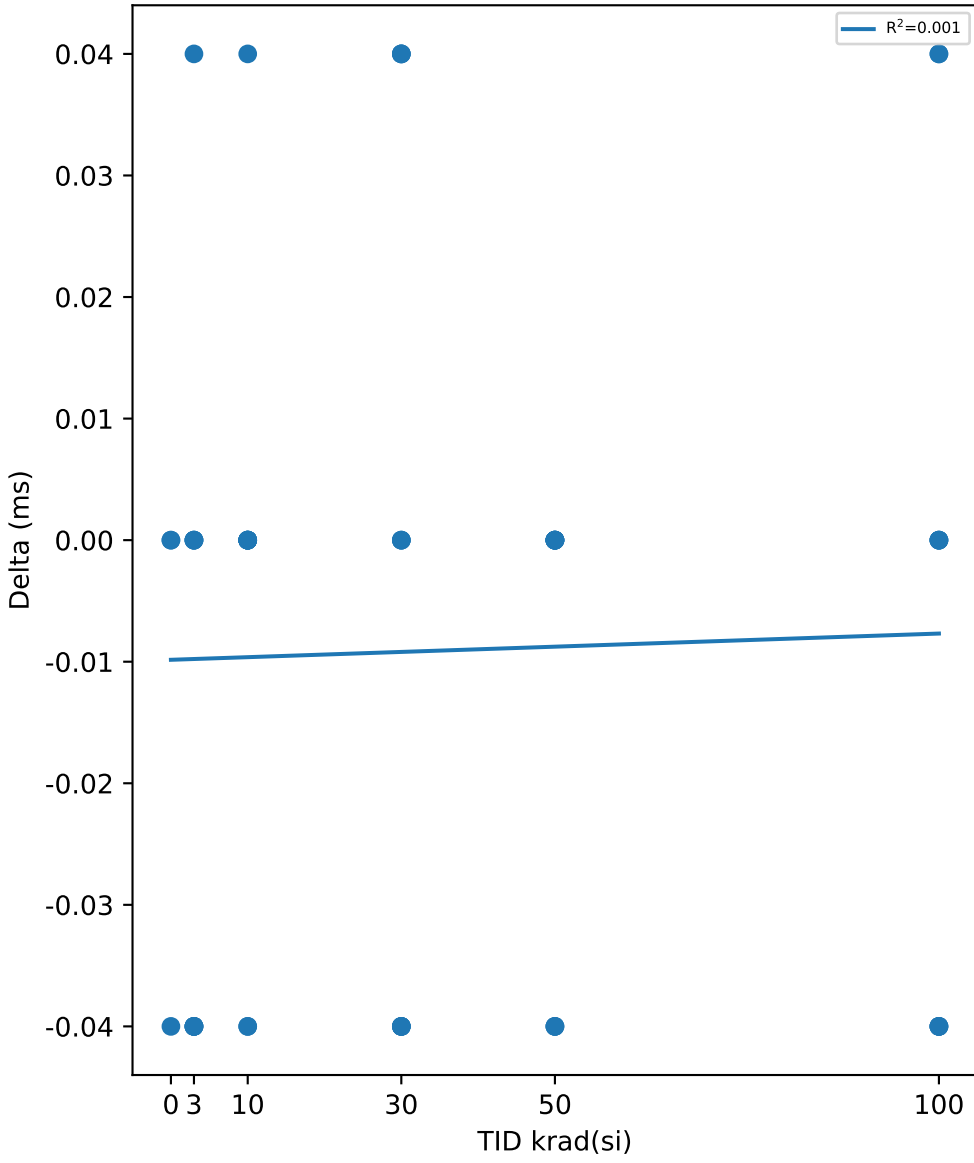
TID vs Result Stats



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

TID vs Post - Pre Exposure Delta

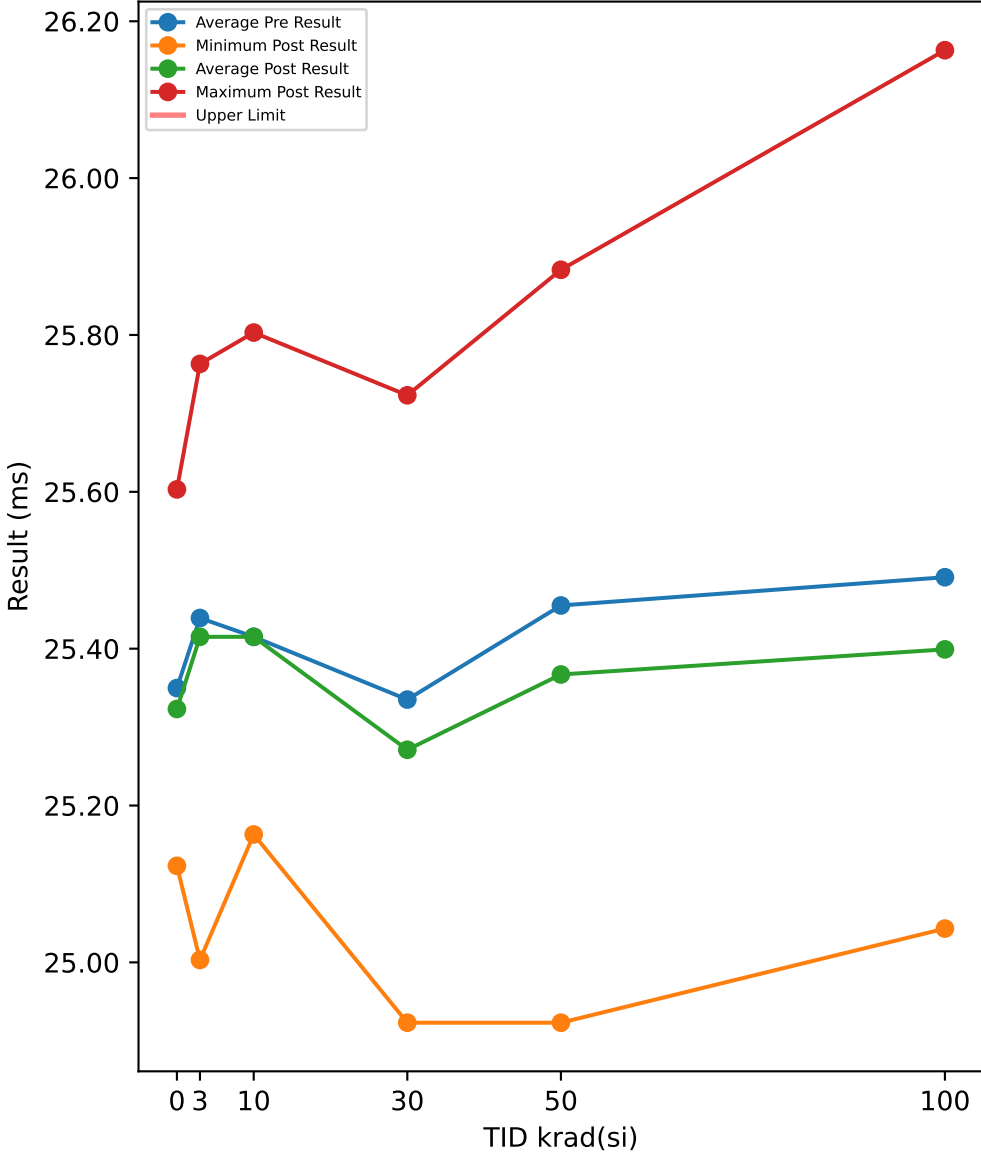


Test Statistics (ms)

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	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)

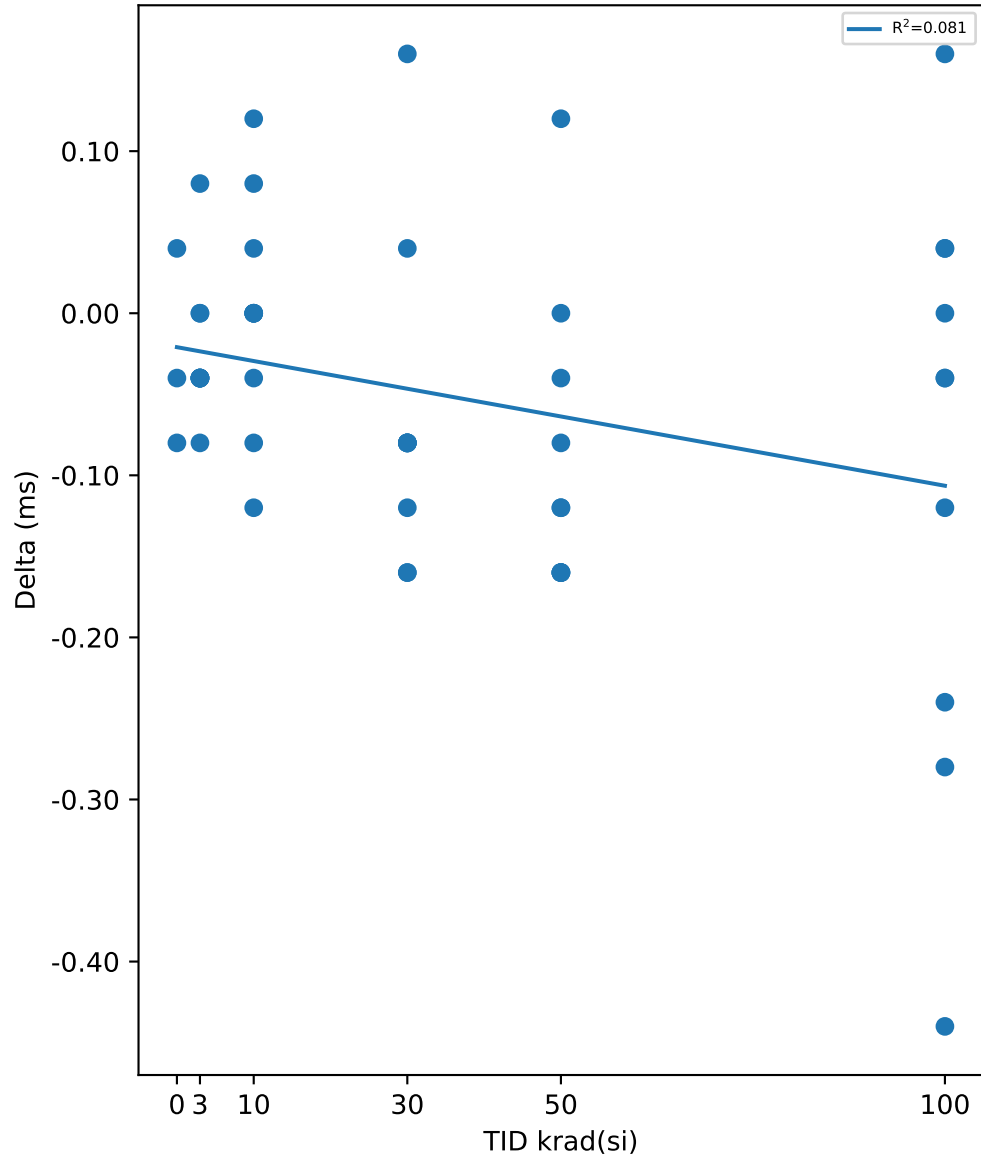
TID vs Result Stats



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

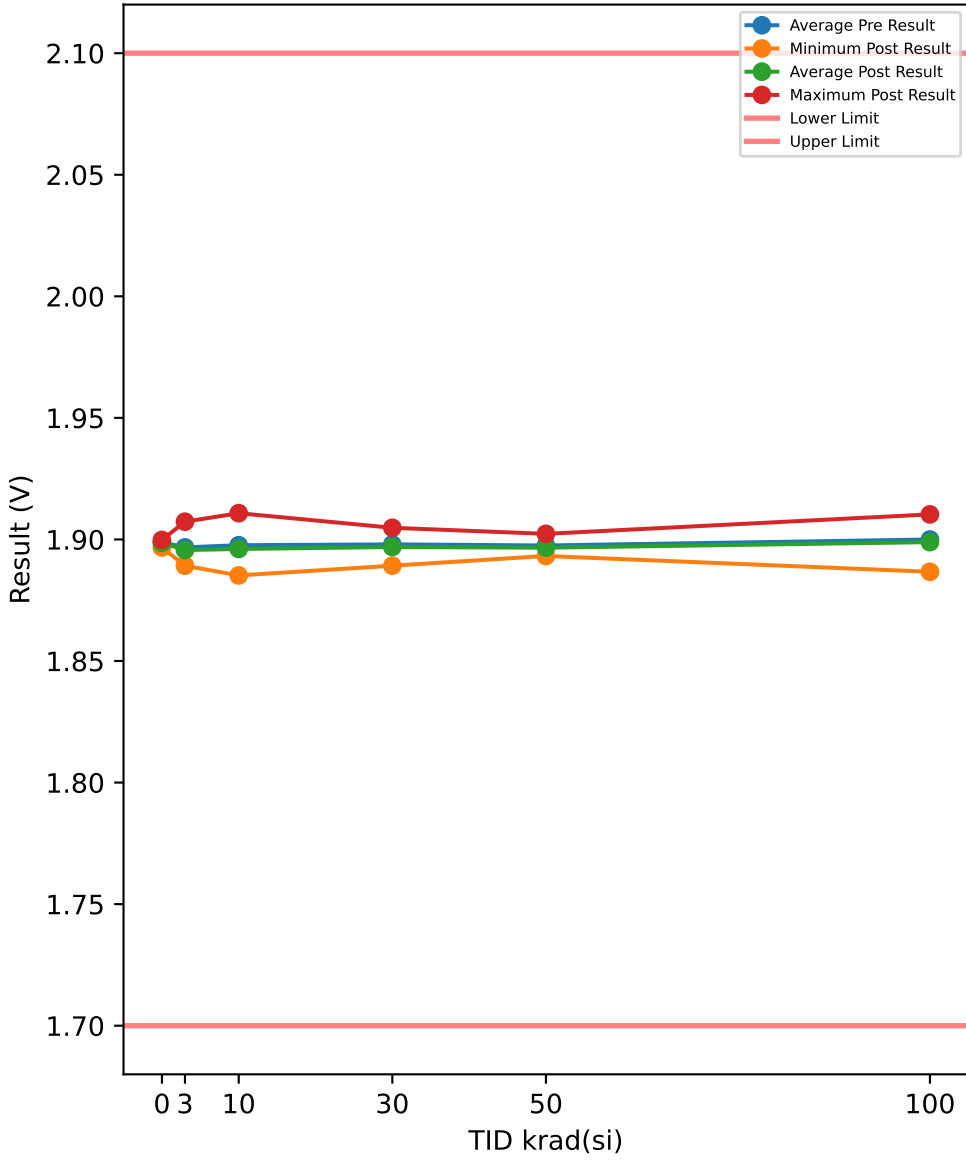
TID vs Post - Pre Exposure Delta



Test Statistics (ms)

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	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

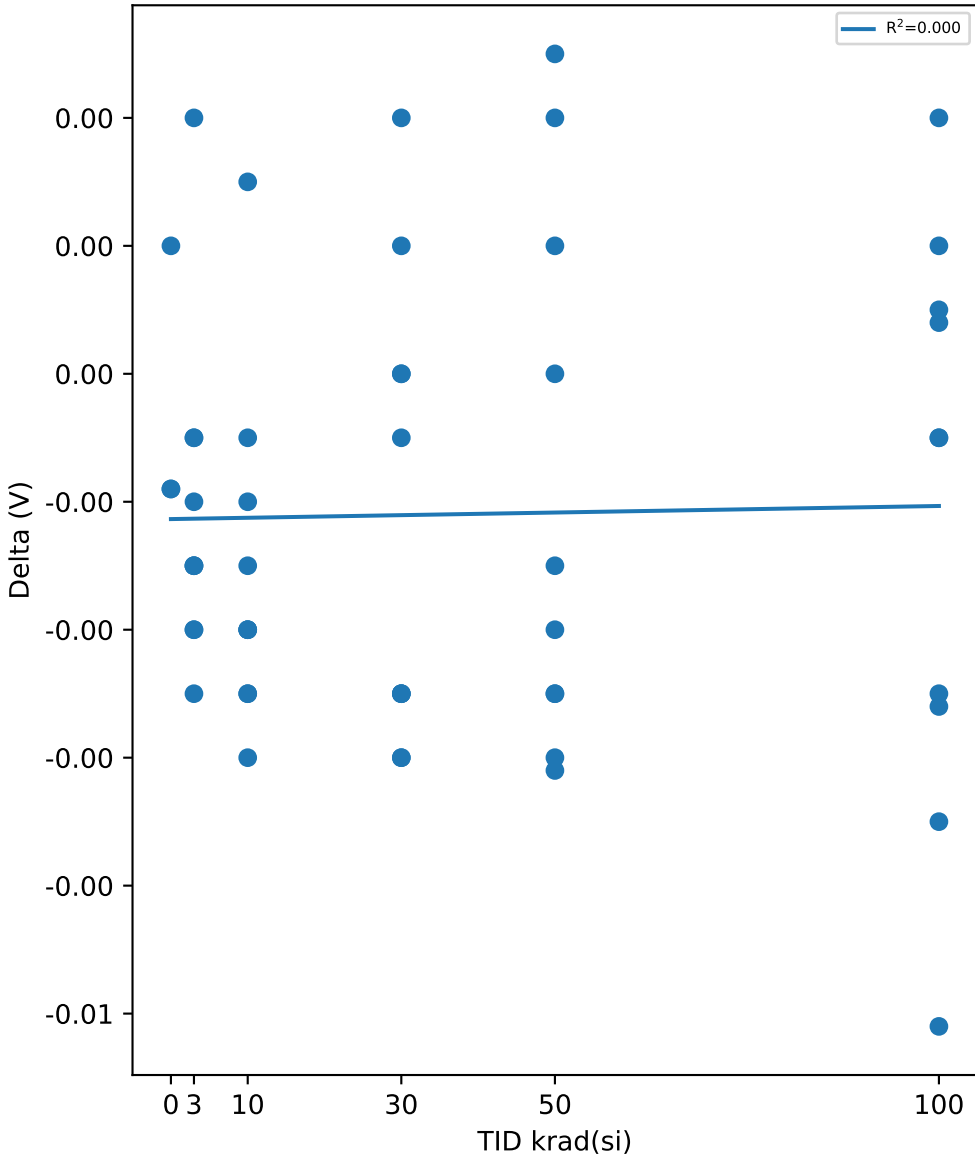
TID vs Result Stats



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

TID vs Post - Pre Exposure Delta

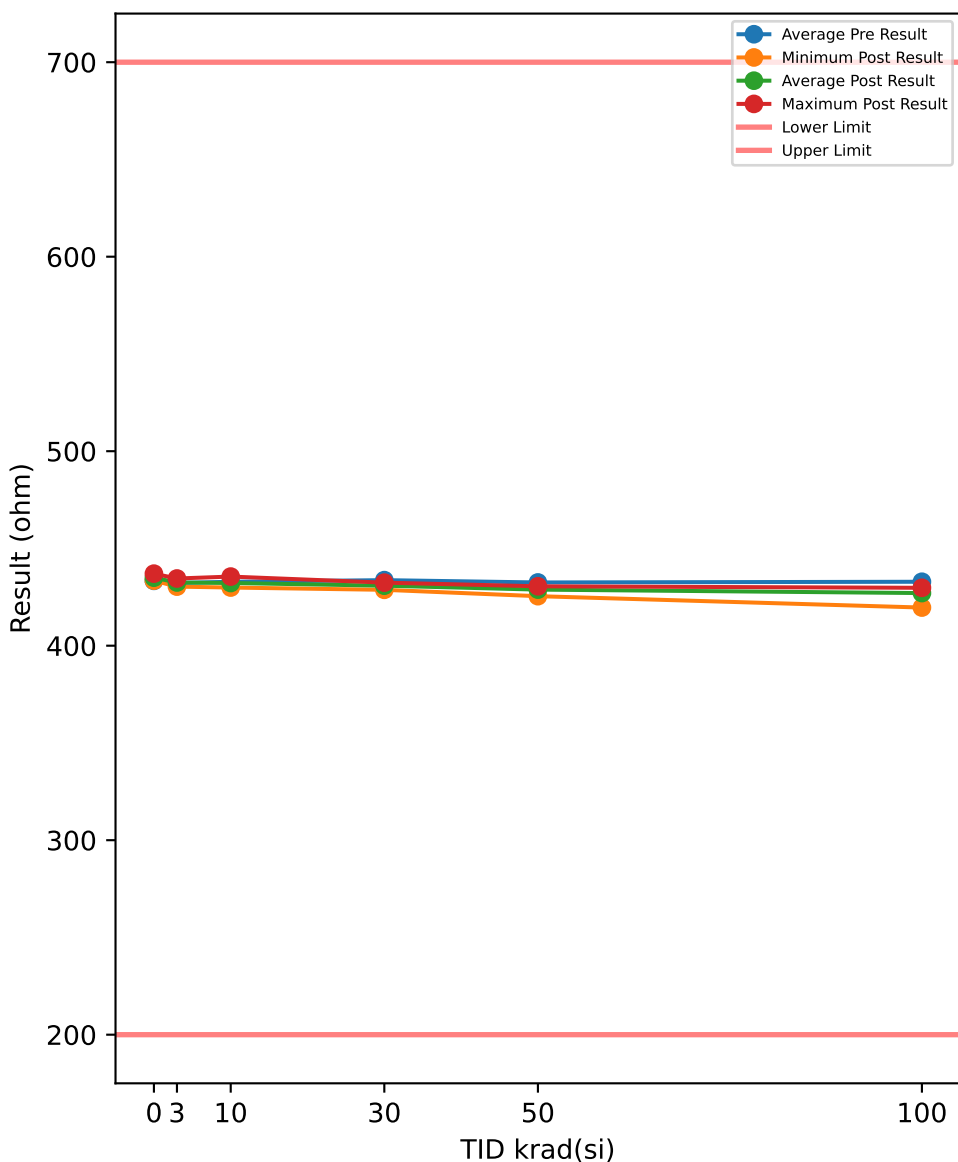


Test Statistics (V)

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	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)

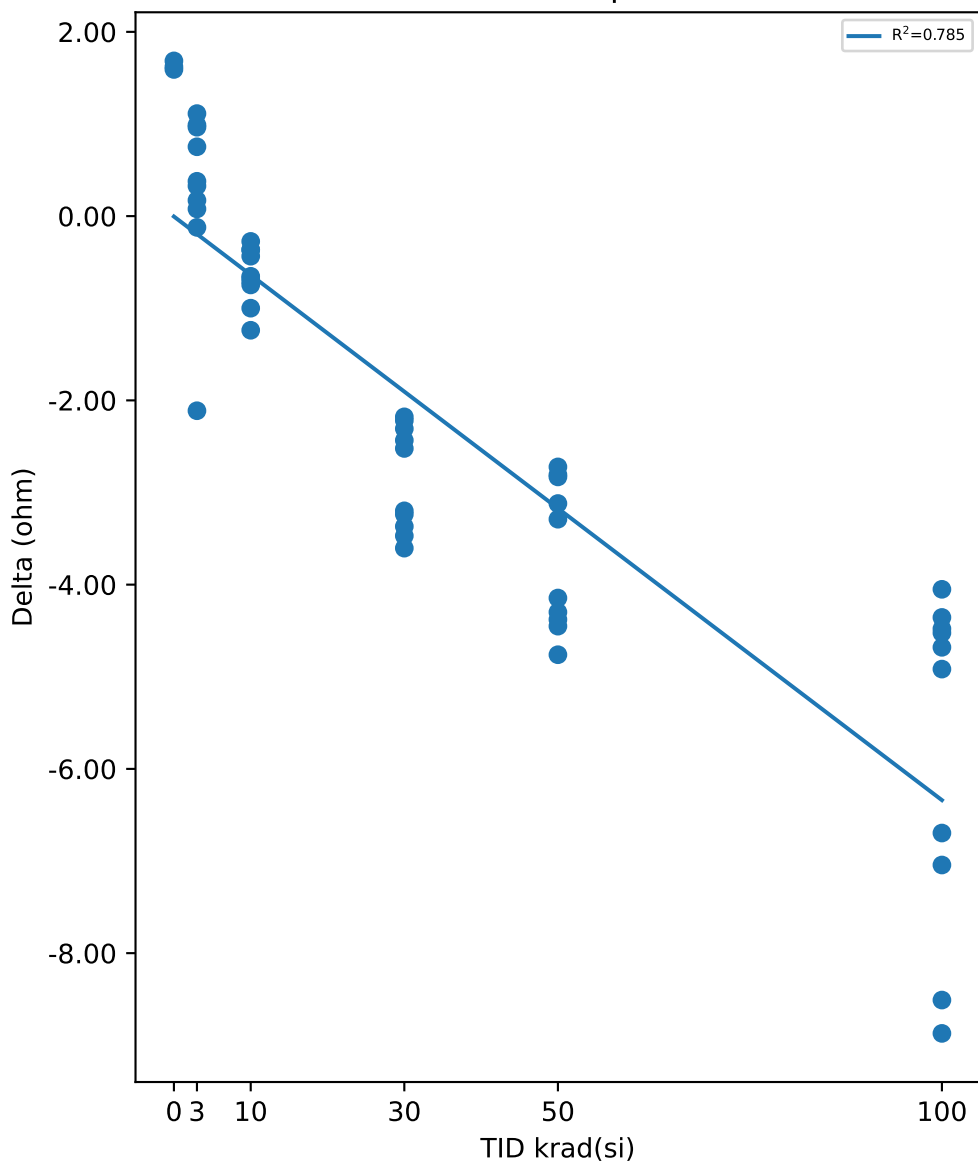
TID vs Result Stats



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

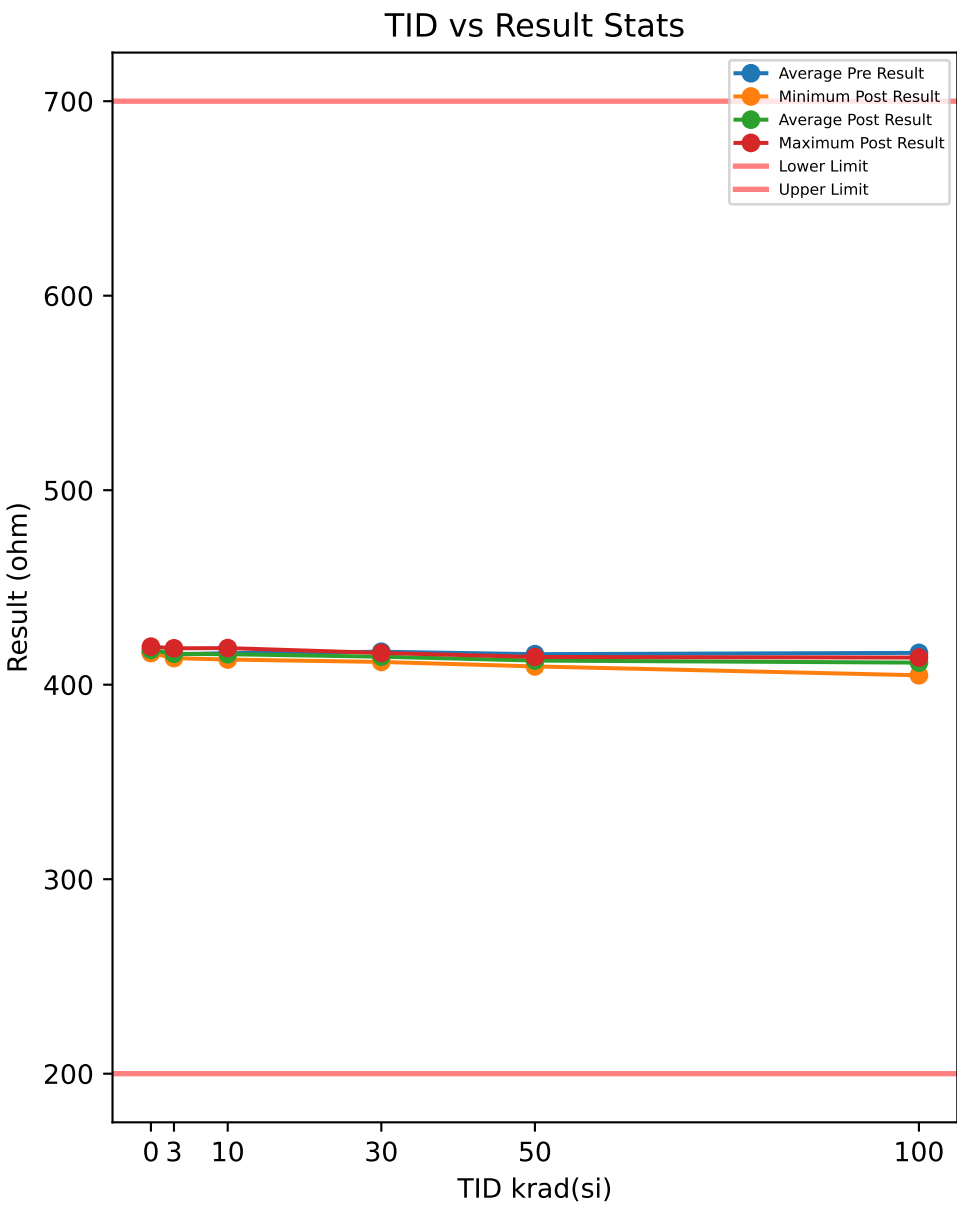
TID vs Post - Pre Exposure Delta



Test Statistics (ohm)

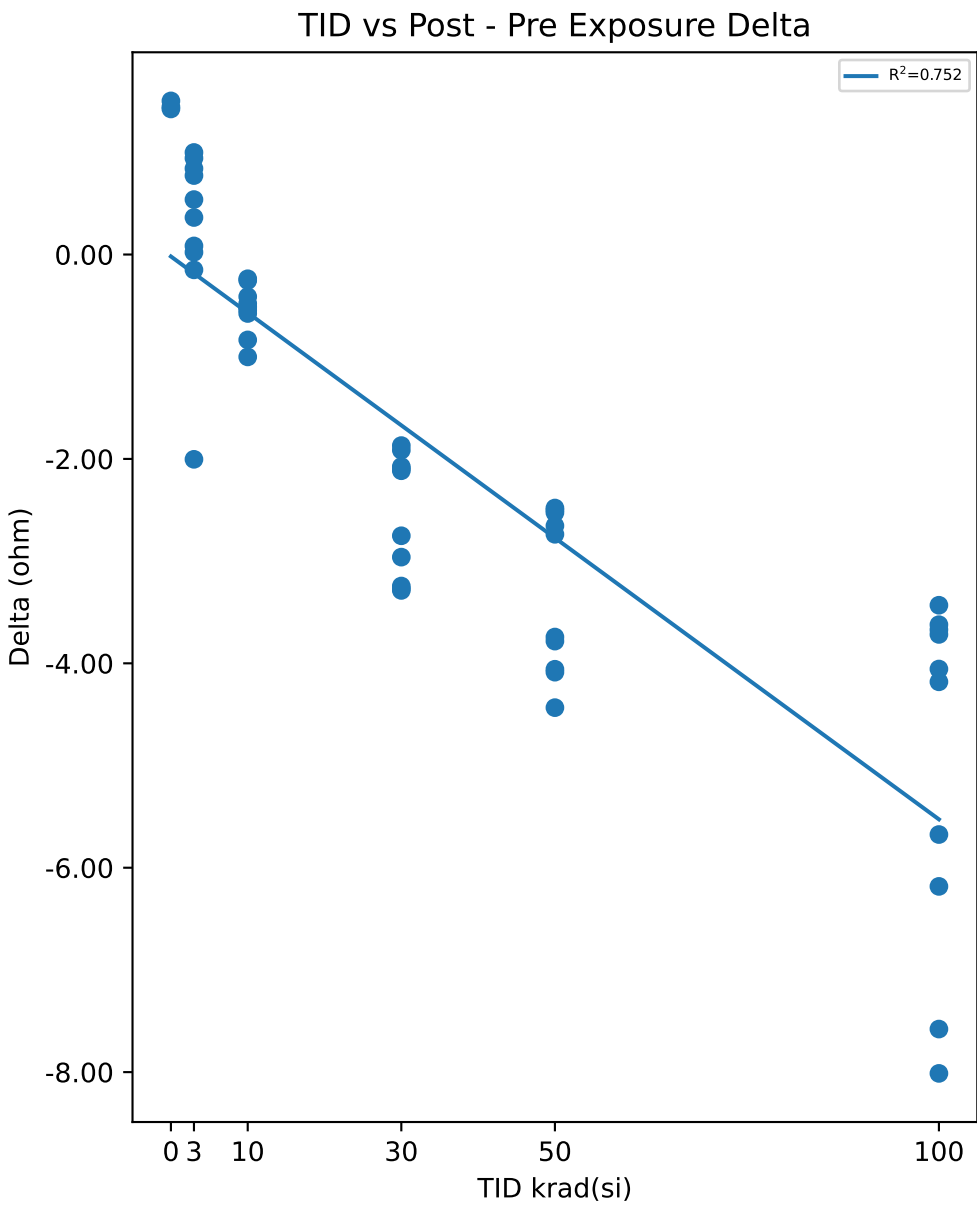
krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	431.77	433.34	435.42	1.8783	433.46	434.97	437.04	1.8564	1.5919	1.6327	1.6848	0.04747
3	430.39	432.24	433.8	1.0453	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

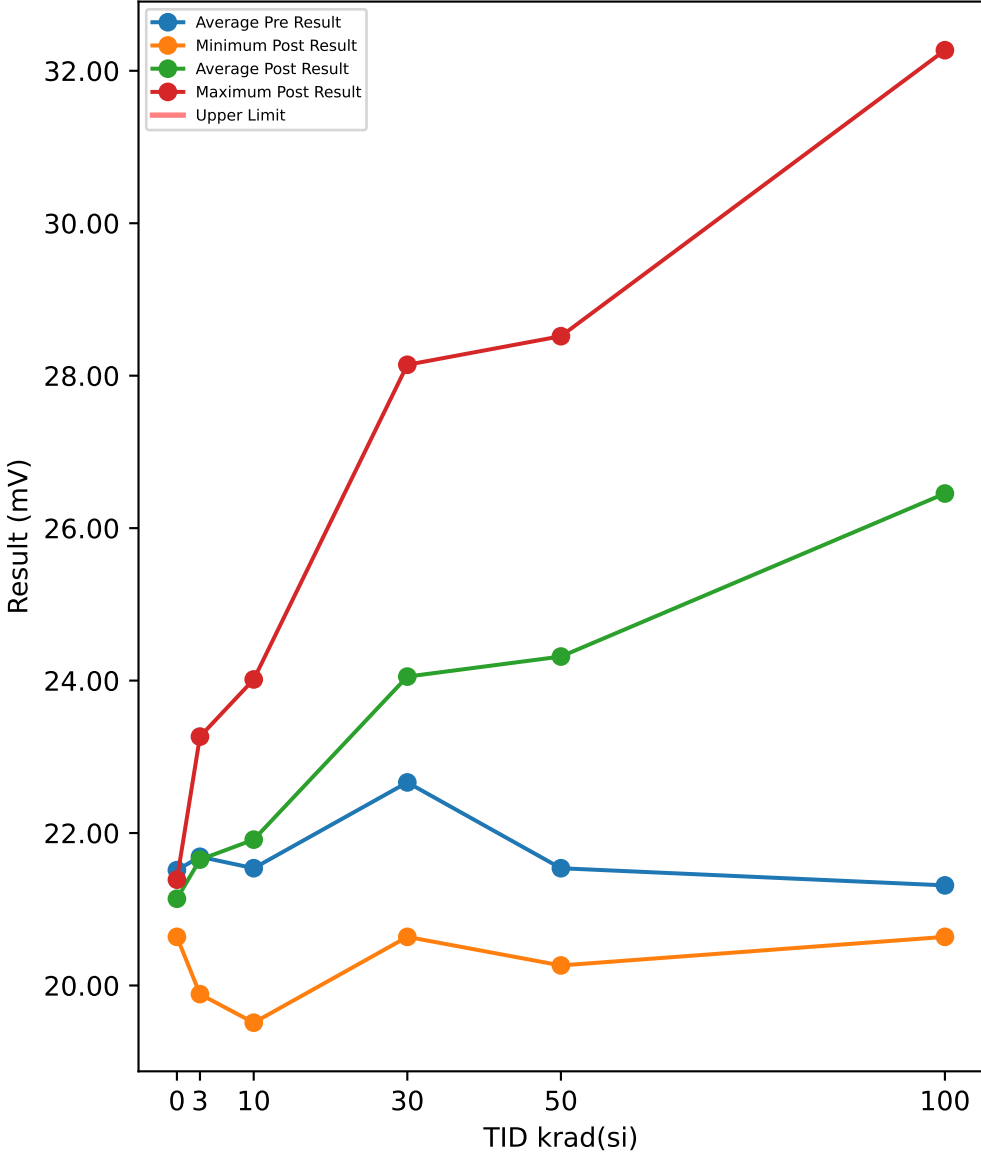


Test Statistics (ohm)

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)

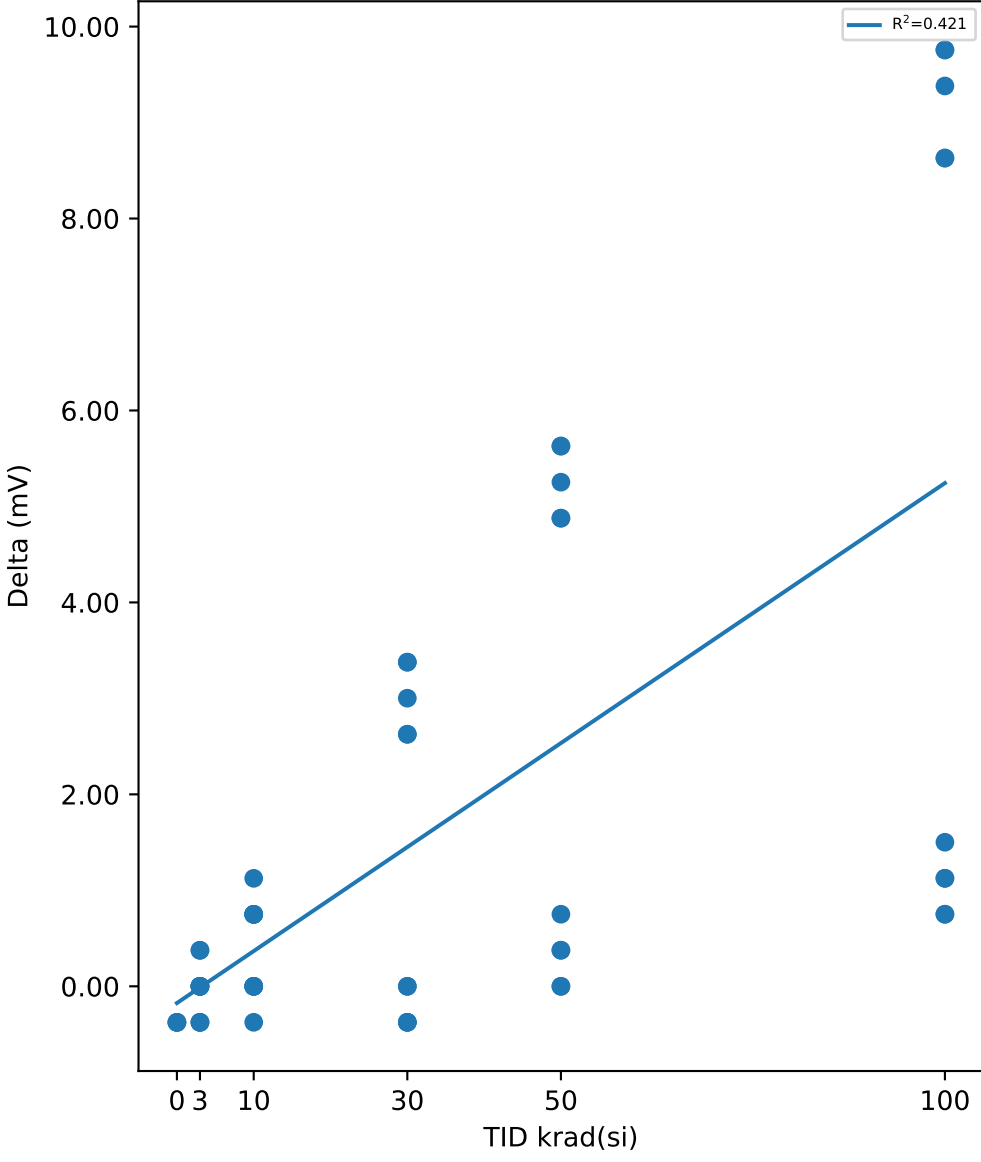
TID vs Result Stats



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

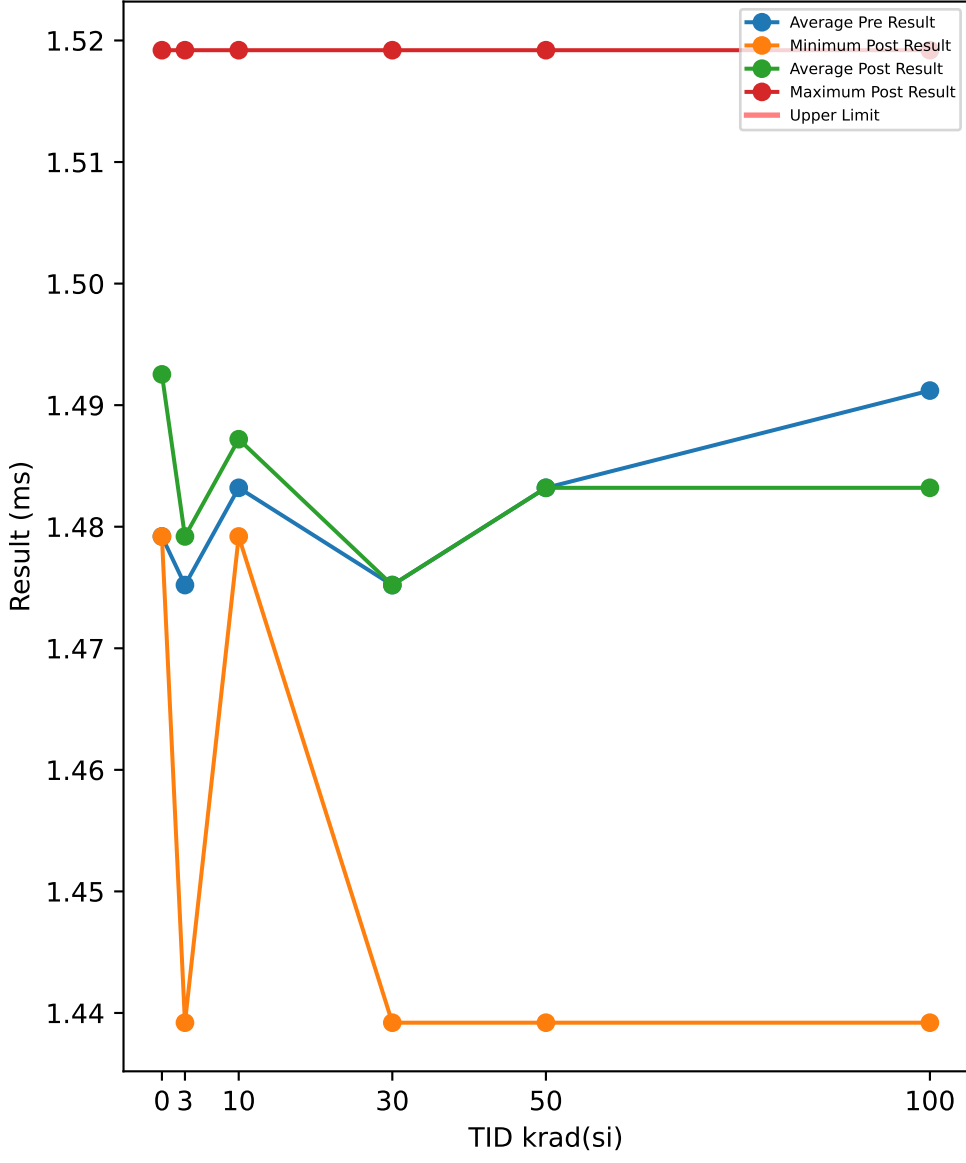
TID vs Post - Pre Exposure Delta



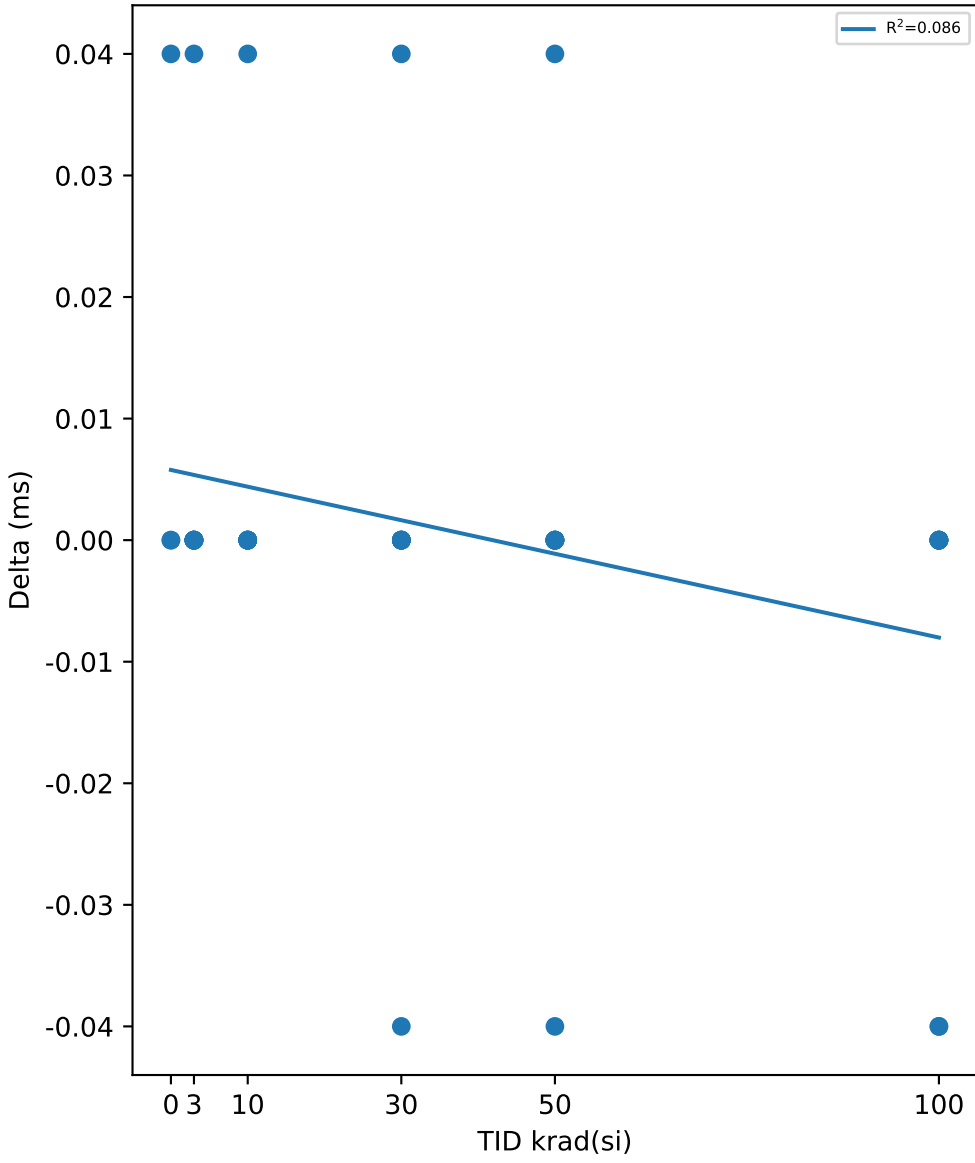
Test Statistics (mV)

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	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

TID vs Result Stats



TID vs Post - Pre Exposure Delta



Test Results (No Limits Specified (ms))

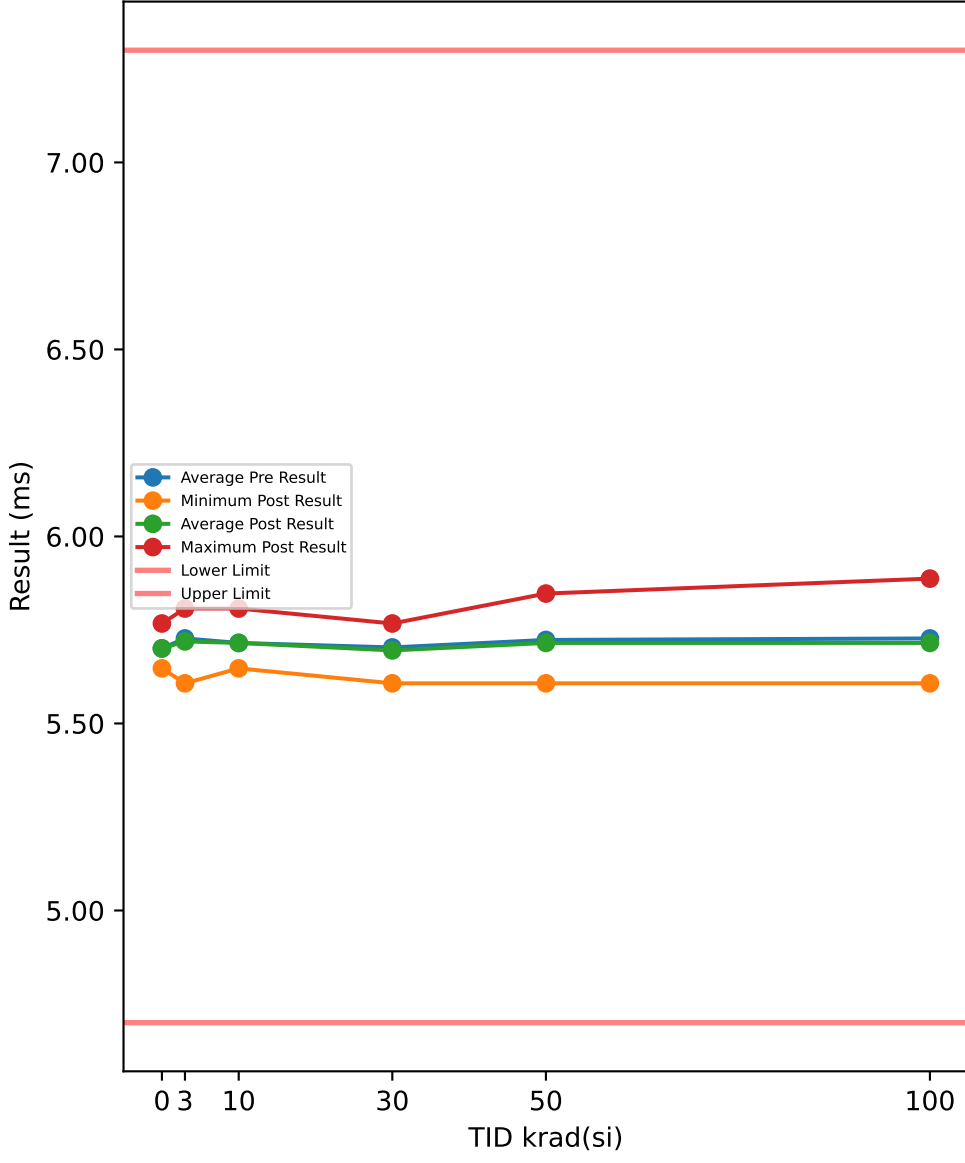
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
390	100	Biased	1.4792	1.4792	0
392	100	Biased	1.4792	1.4792	0
393	100	Biased	1.4792	1.4792	0
394	100	Biased	1.4792	1.4392	-0.04
395	100	Biased	1.4792	1.4792	0
412	100	Unbiased	1.4792	1.4792	0
413	100	Unbiased	1.5192	1.5192	0
414	100	Unbiased	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)

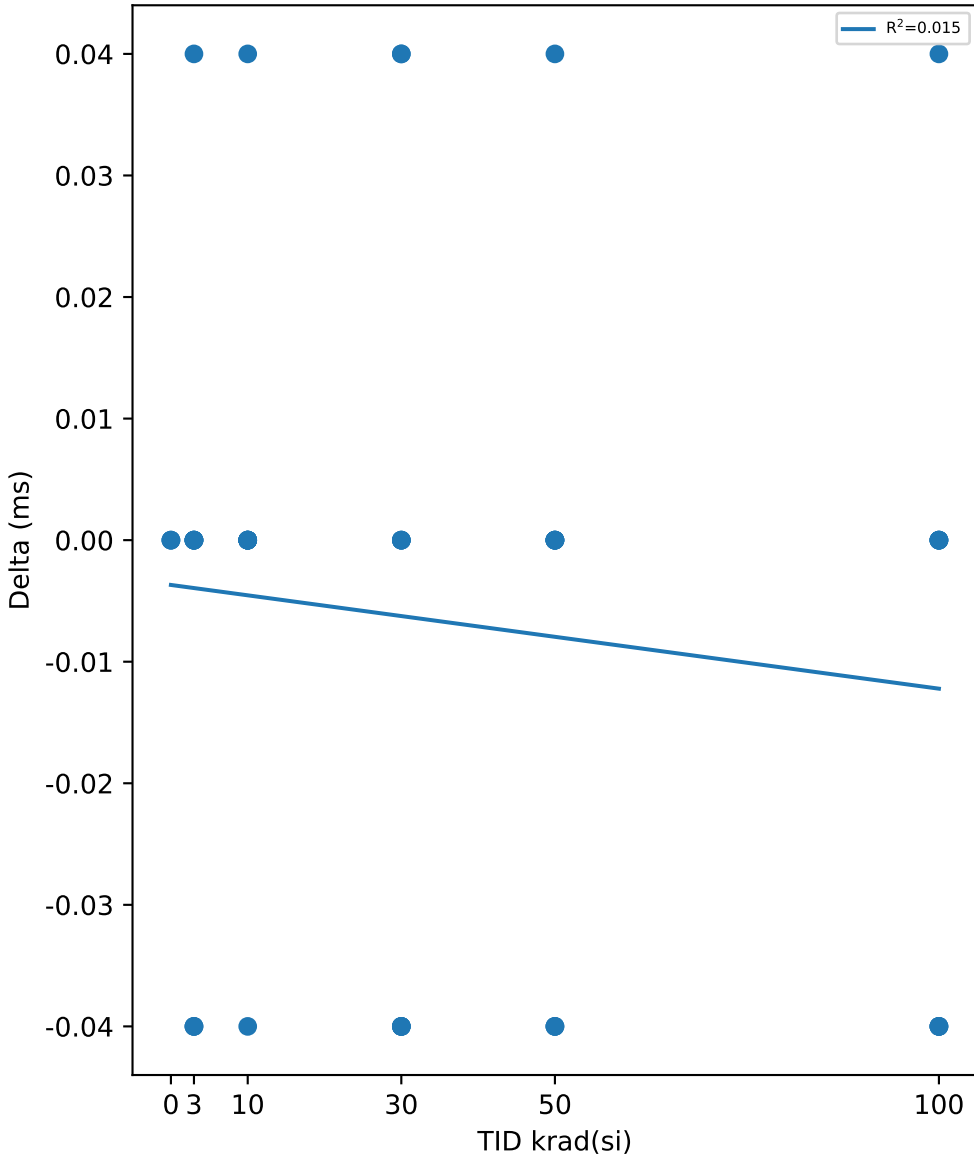
TID vs Result Stats



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

TID vs Post - Pre Exposure Delta

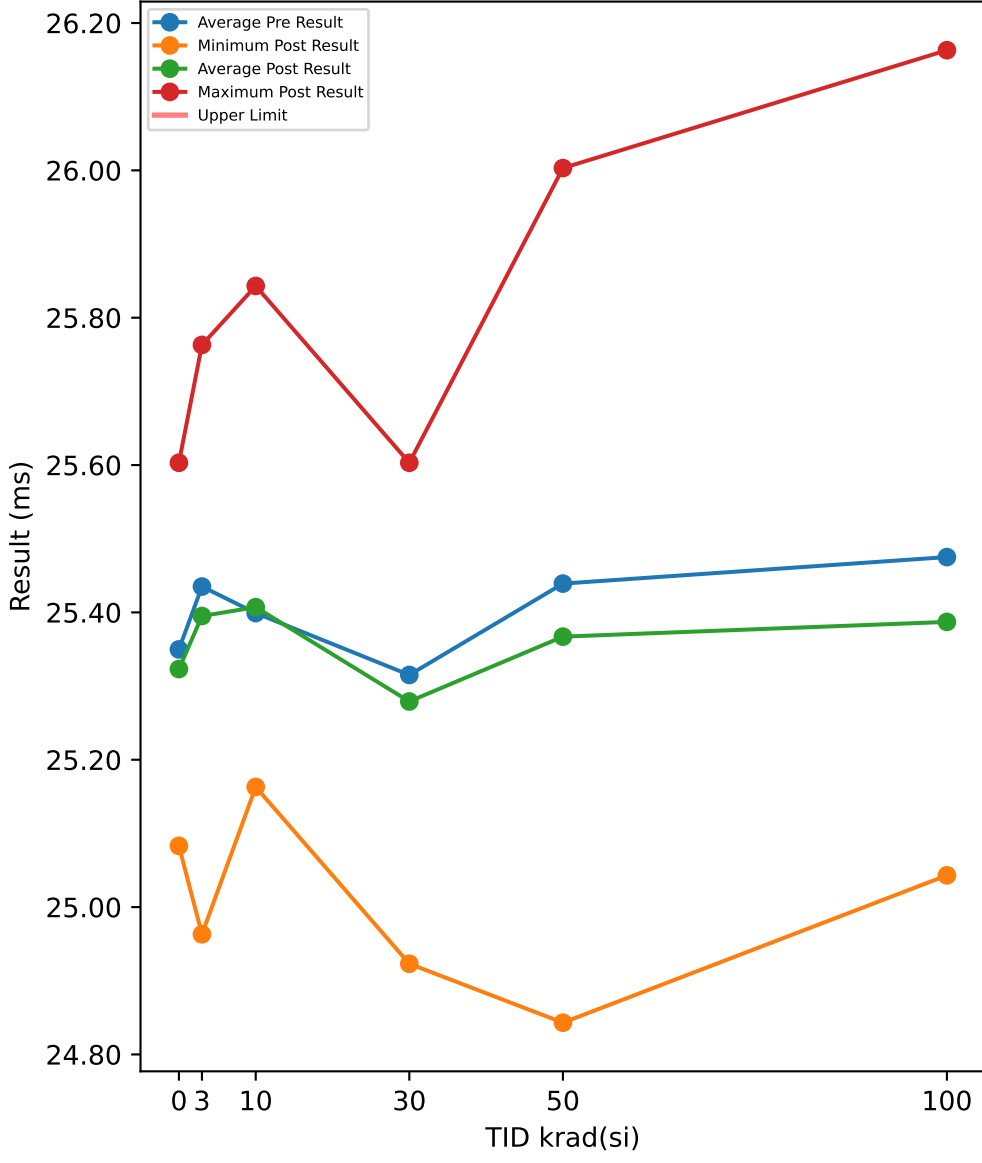


Test Statistics (ms)

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	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)

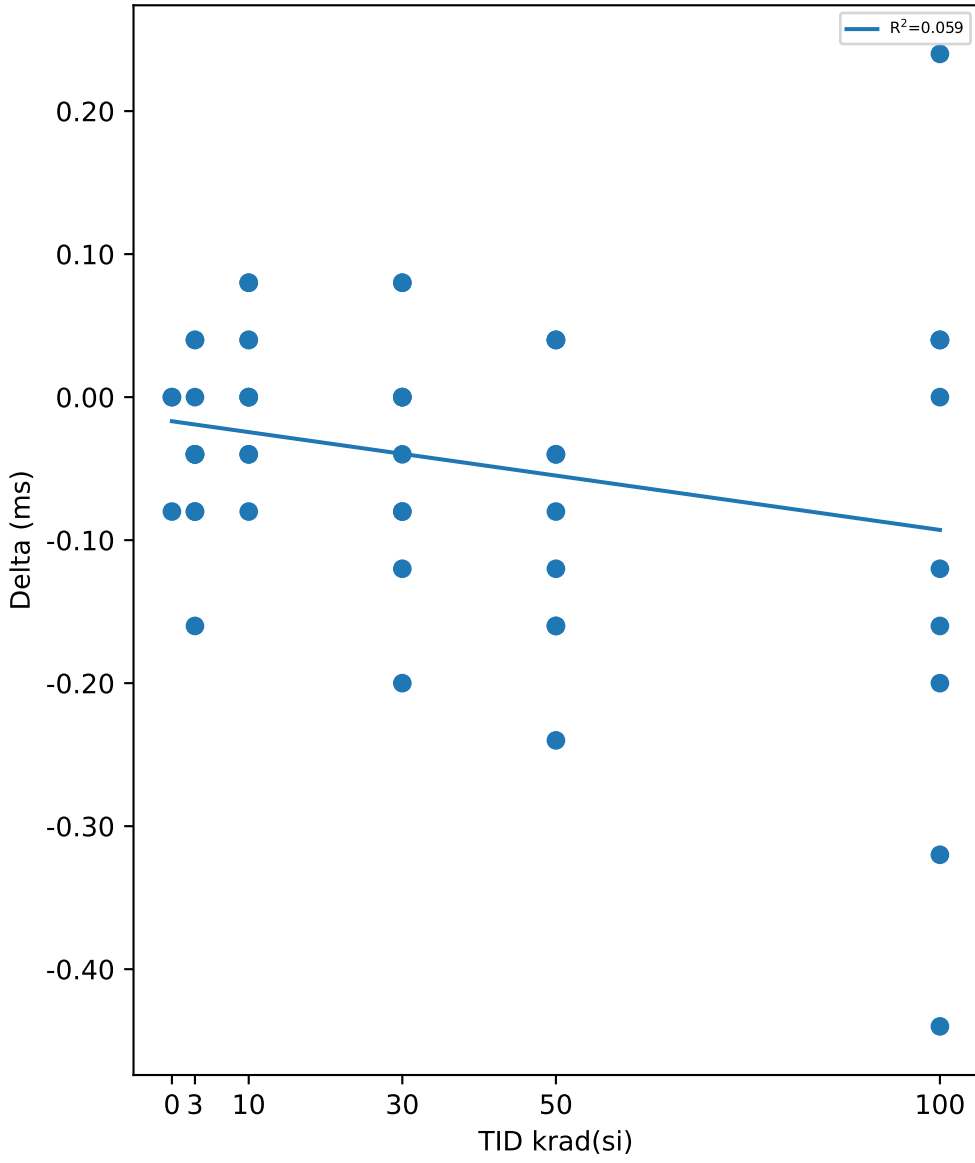
TID vs Result Stats



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

TID vs Post - Pre Exposure Delta

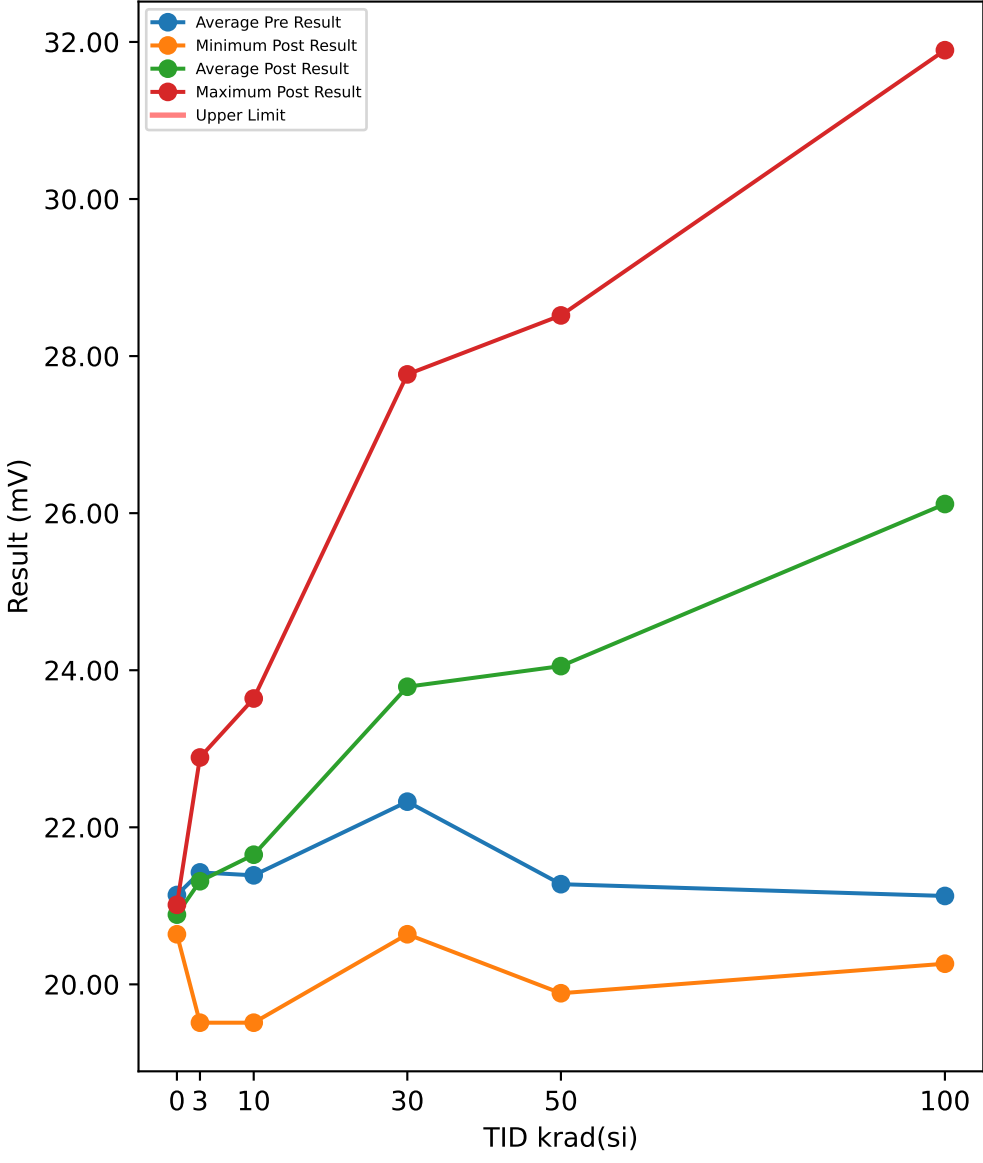


Test Statistics (ms)

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	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)

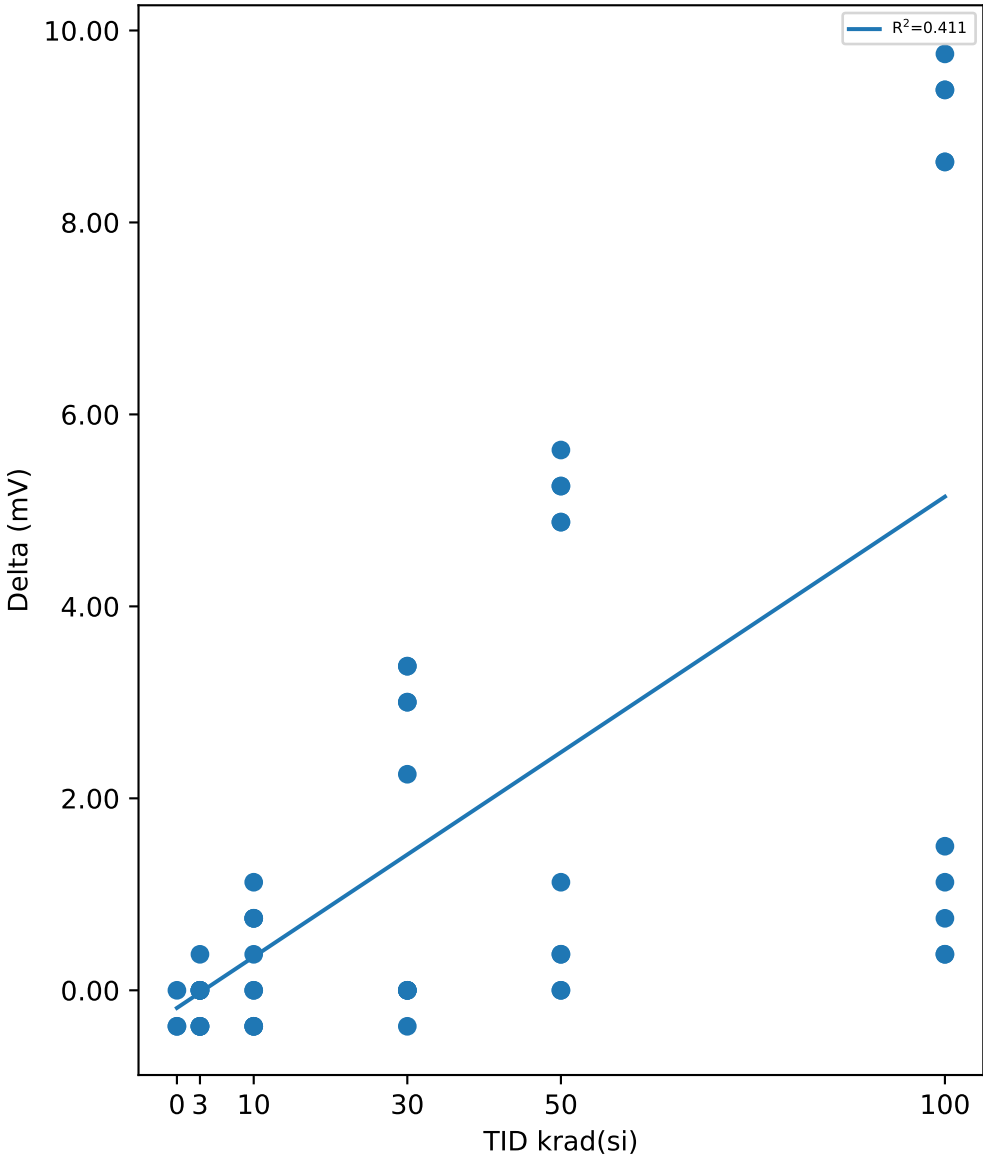
TID vs Result Stats



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

TID vs Post - Pre Exposure Delta

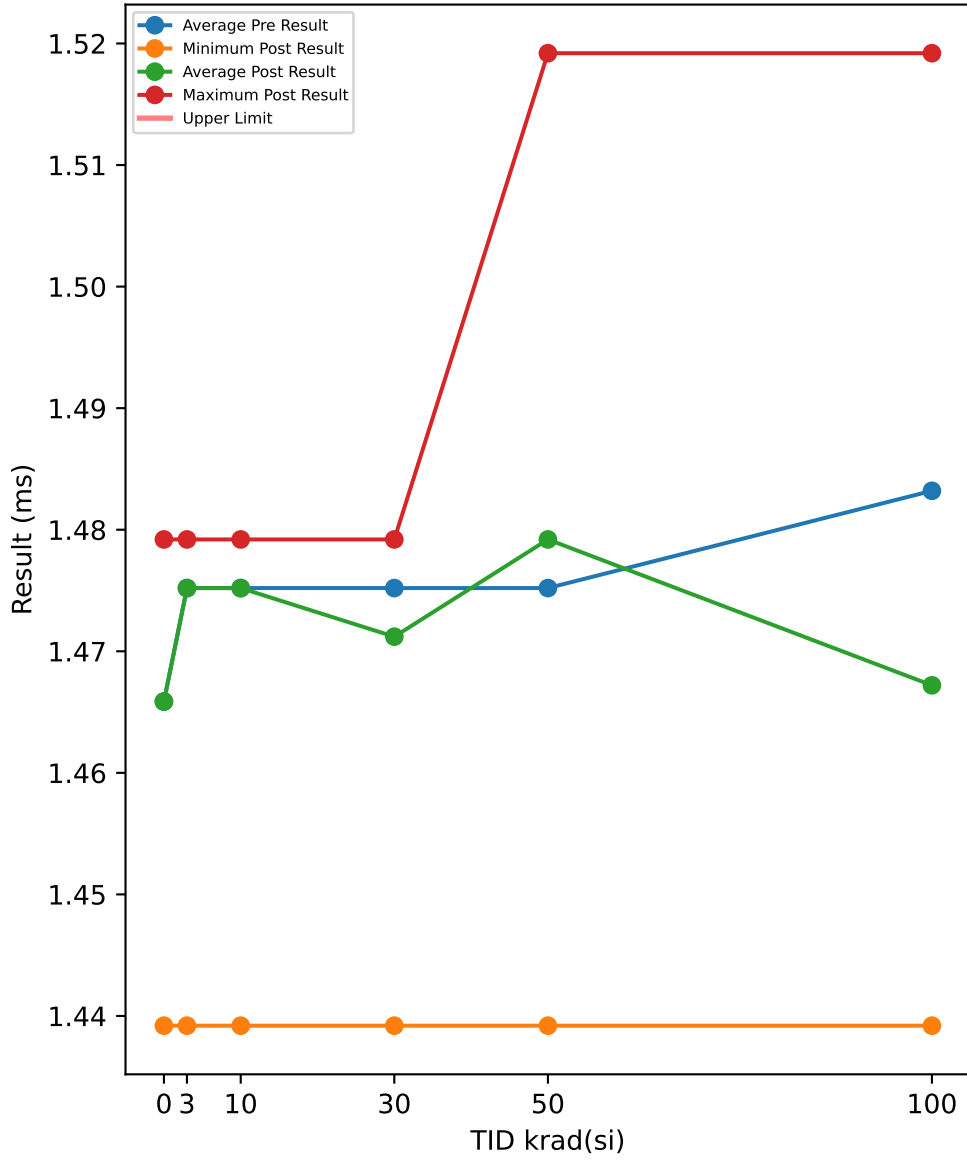


Test Statistics (mV)

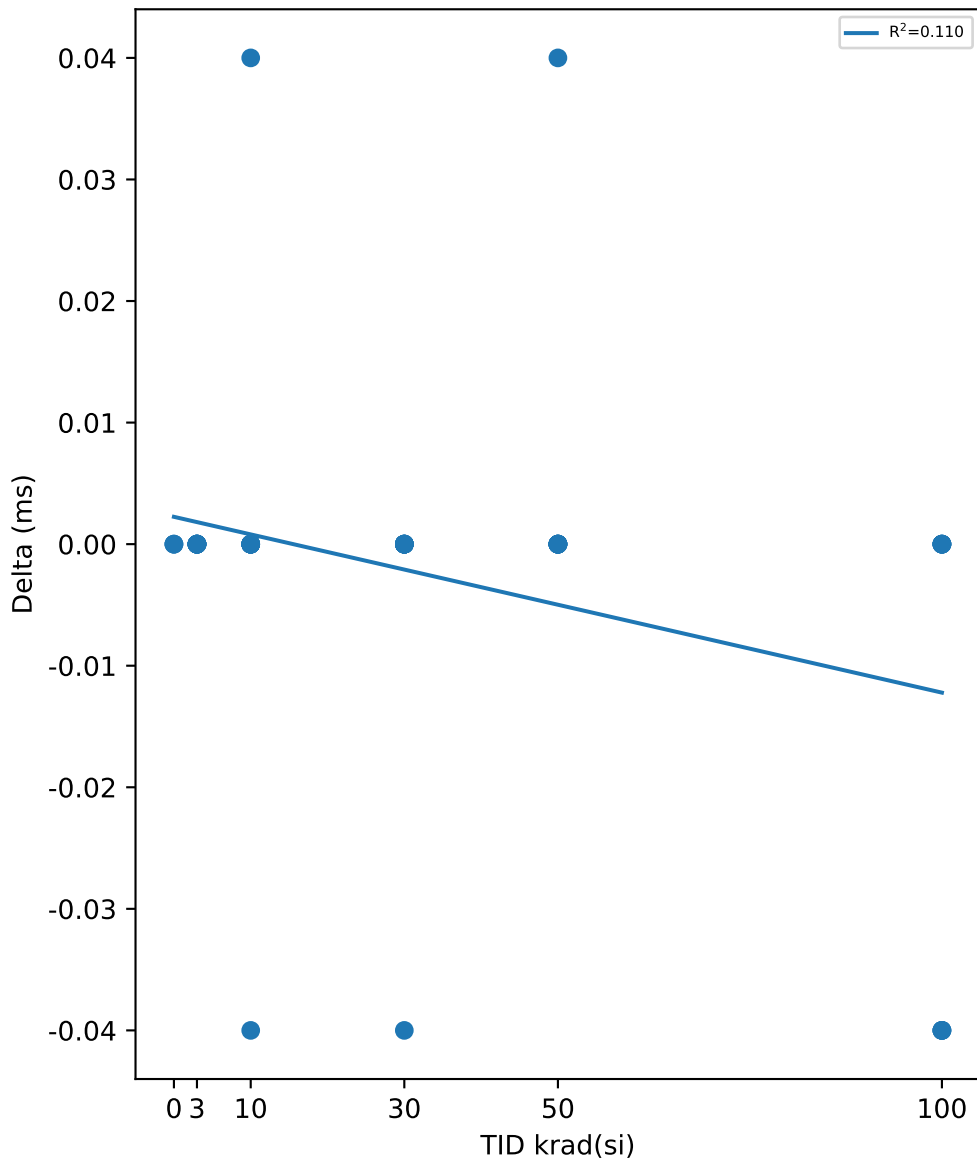
krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	20.638	21.138	21.388	0.43301	20.638	20.888	21.013	0.21651	-0.375	-0.25	0	0.21651
3	19.512	21.426	23.265	1.1795	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)

TID vs Result Stats



TID vs Post - Pre Exposure Delta



Test Results (No Limits Specified (ms))

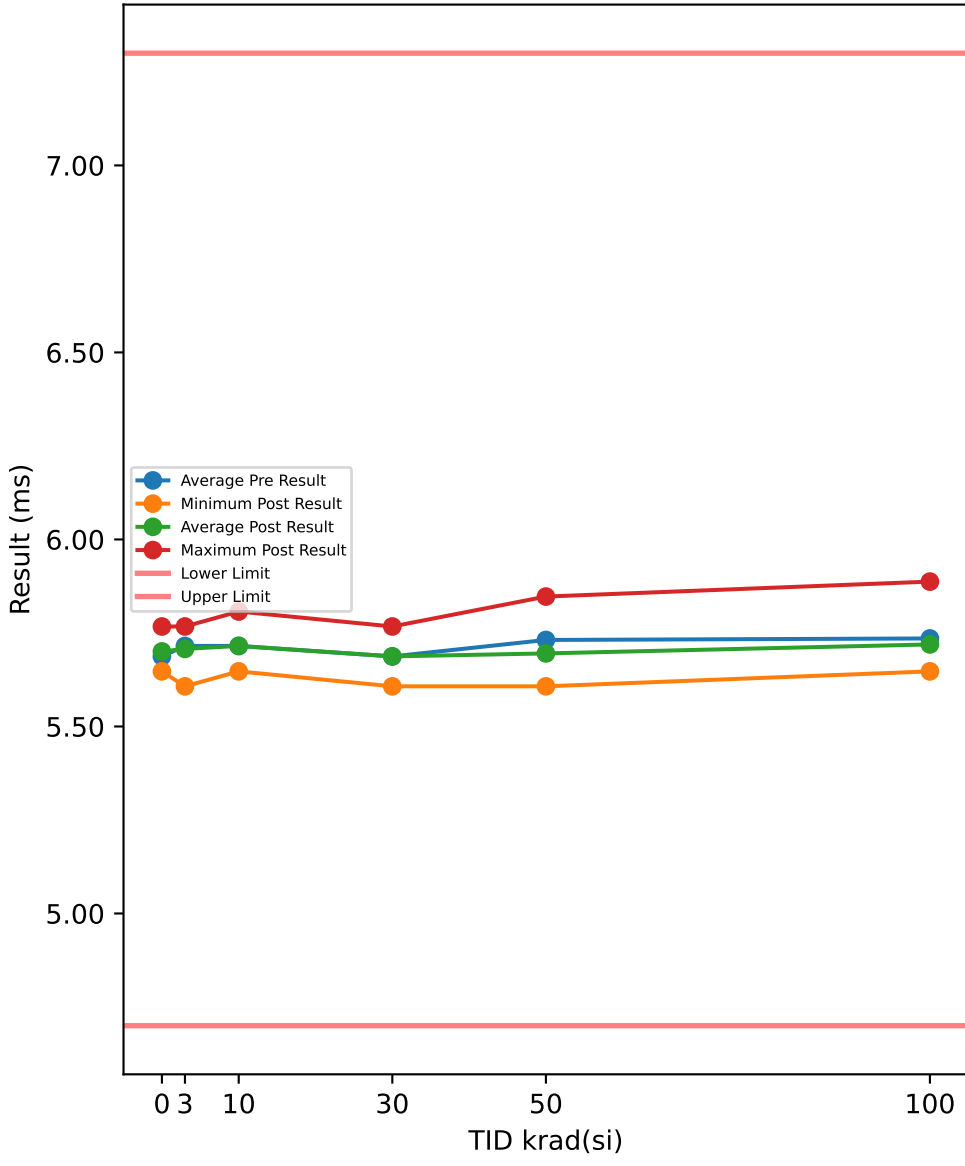
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
390	100	Biased	1.4792	1.4392	-0.04
392	100	Biased	1.4792	1.4392	-0.04
393	100	Biased	1.4792	1.4792	0
394	100	Biased	1.4792	1.4392	-0.04
395	100	Biased	1.4792	1.4792	0
412	100	Unbiased	1.4792	1.4792	0
413	100	Unbiased	1.5192	1.5192	0
414	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)

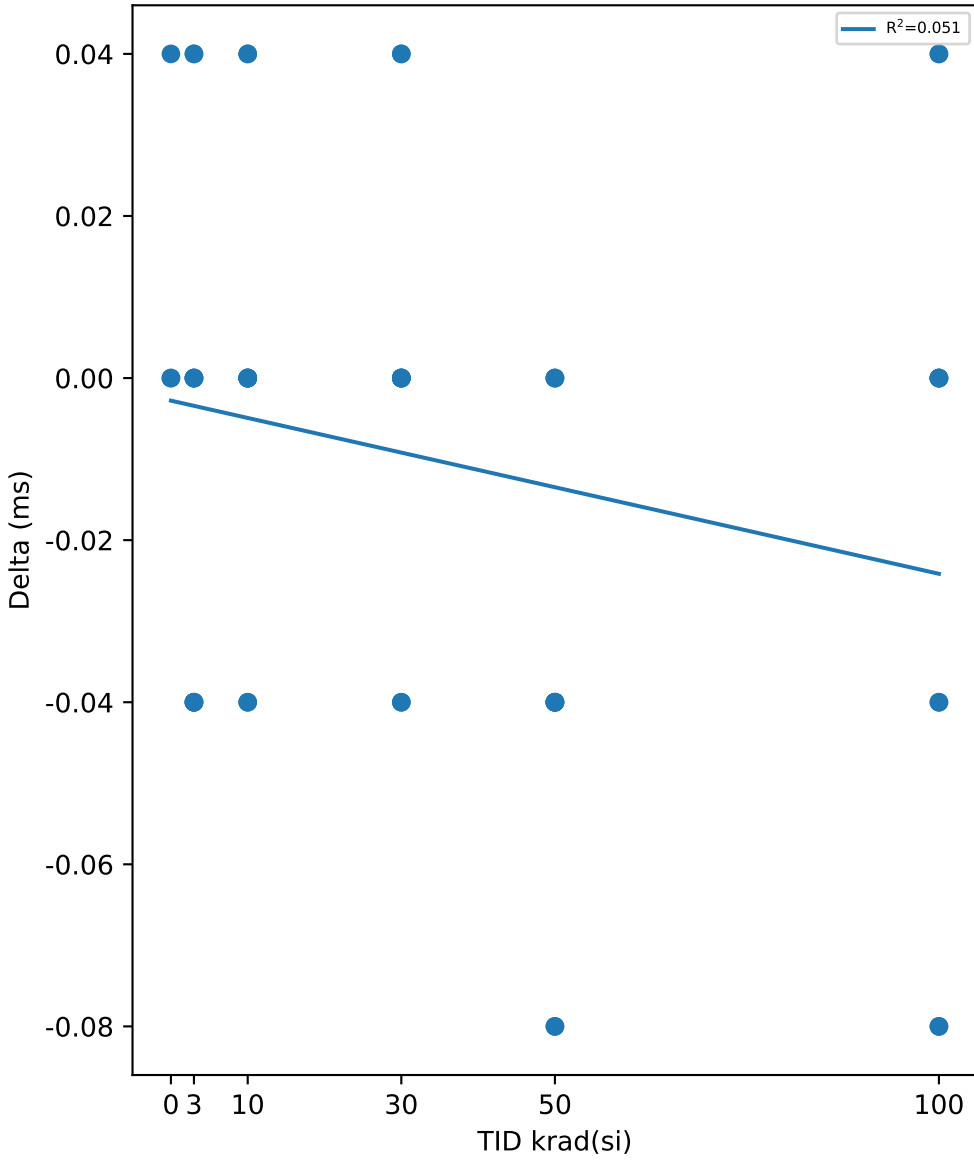
TID vs Result Stats



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

TID vs Post - Pre Exposure Delta

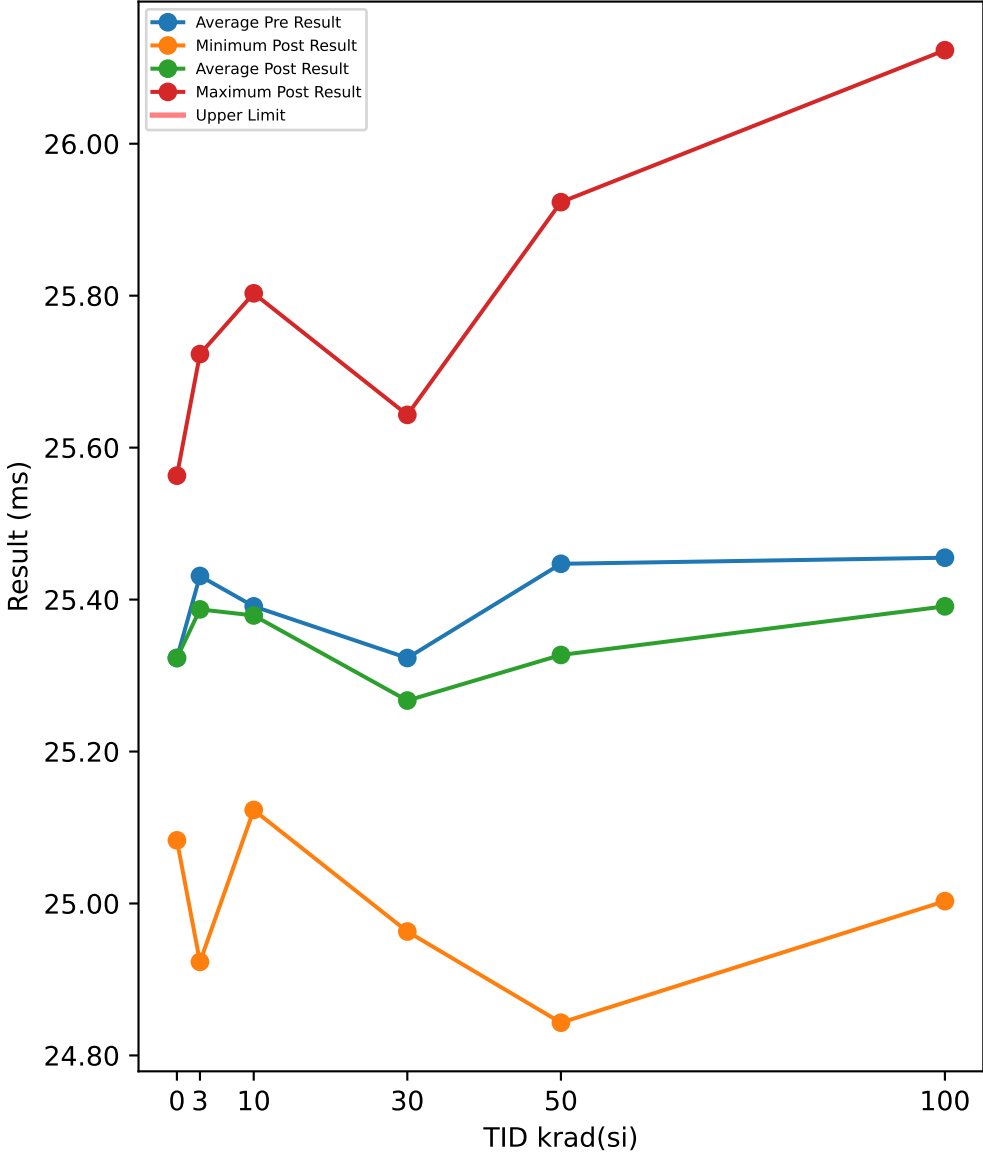


Test Statistics (ms)

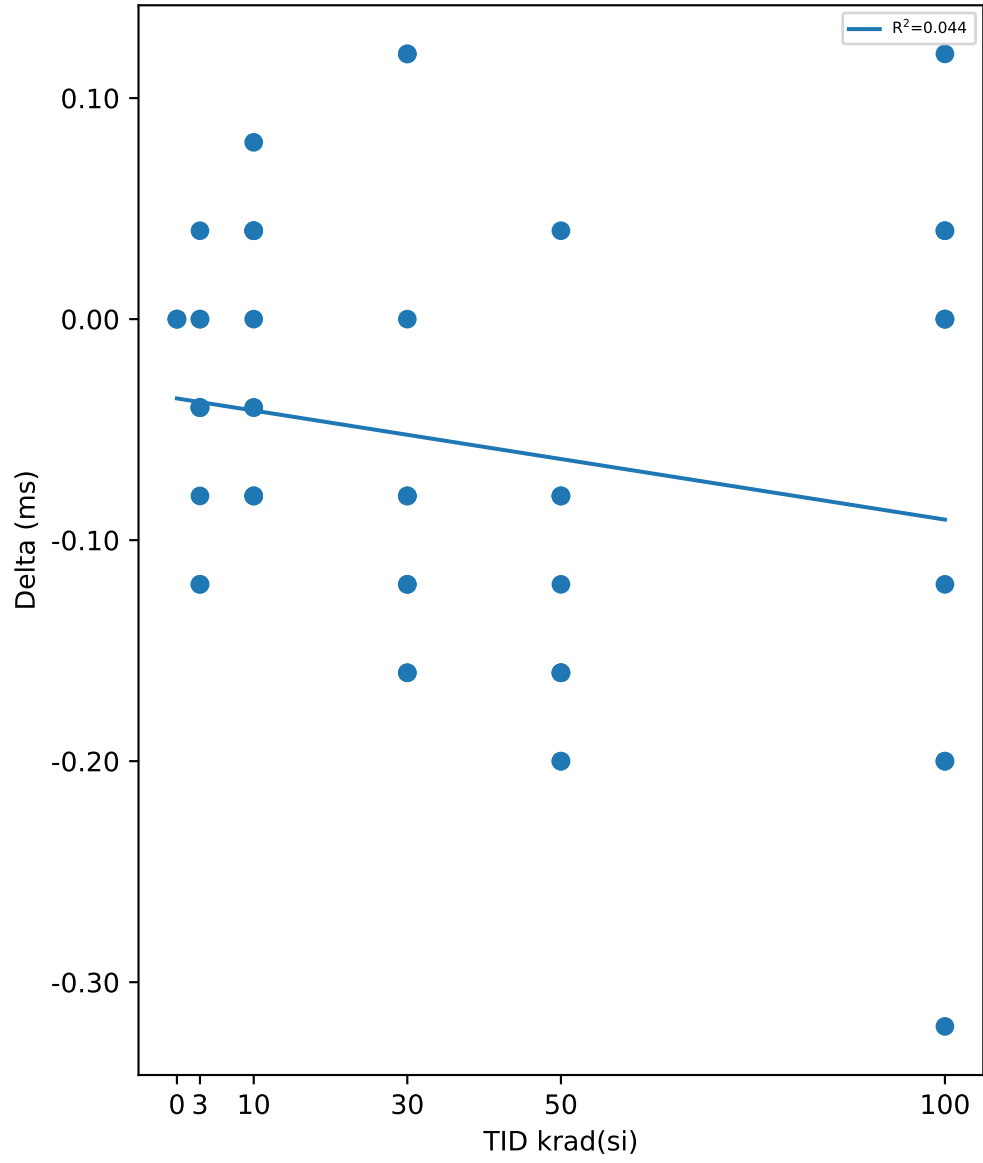
krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	5.6473	5.6873	5.7273	0.04	5.6473	5.7006	5.7673	0.061101	0	0.013333	0.04	0.023094
3	5.6473	5.7153	5.7673	0.042374	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)

TID vs Result Stats



TID vs Post - Pre Exposure Delta



Test Results (No Limits Specified (ms))

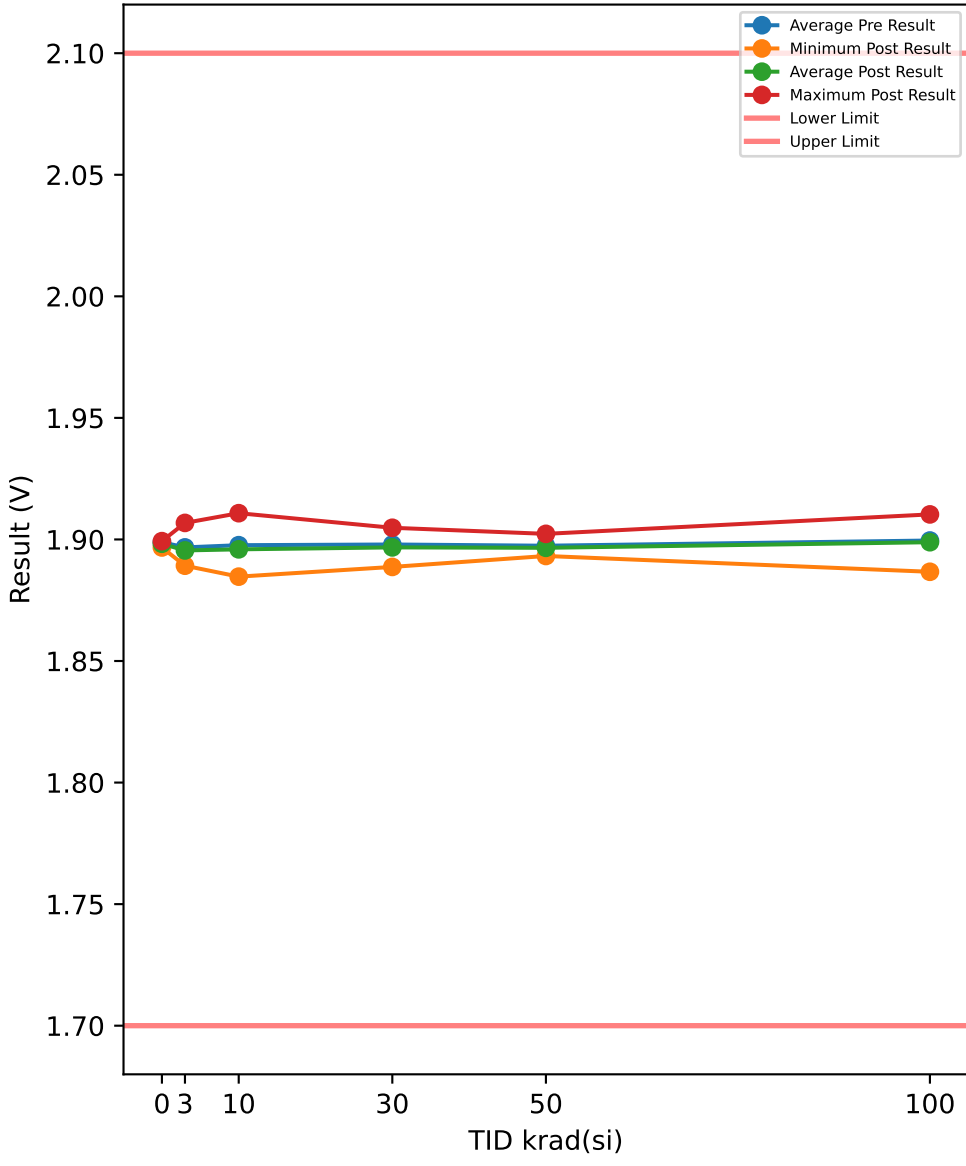
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
390	100	Biased	25.243	25.123	-0.12
392	100	Biased	25.323	25.123	-0.2
393	100	Biased	25.523	25.523	0
394	100	Biased	25.203	25.003	-0.2
395	100	Biased	25.283	25.323	0.04
412	100	Unbiased	25.523	25.523	0
413	100	Unbiased	26.003	26.123	0.12
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)

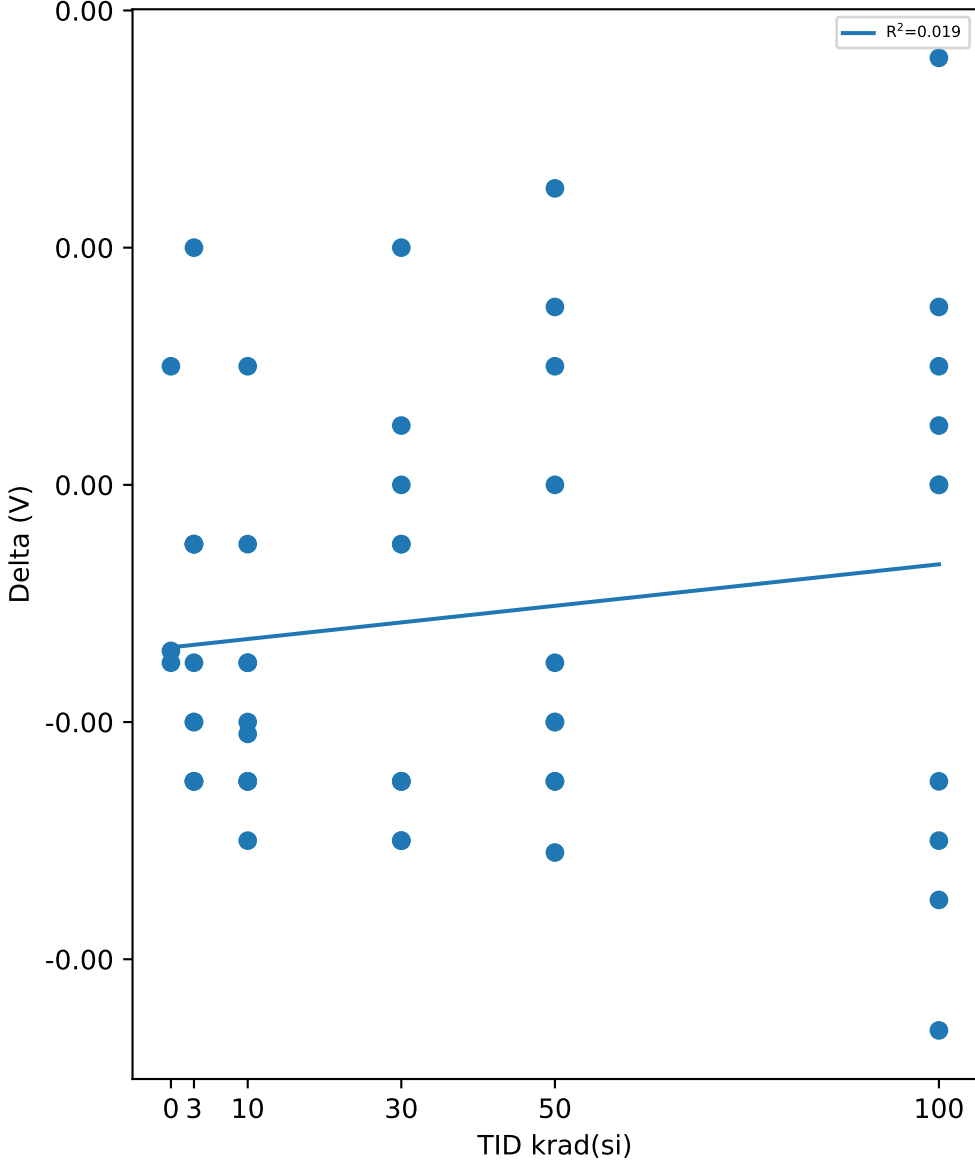
TID vs Result Stats



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

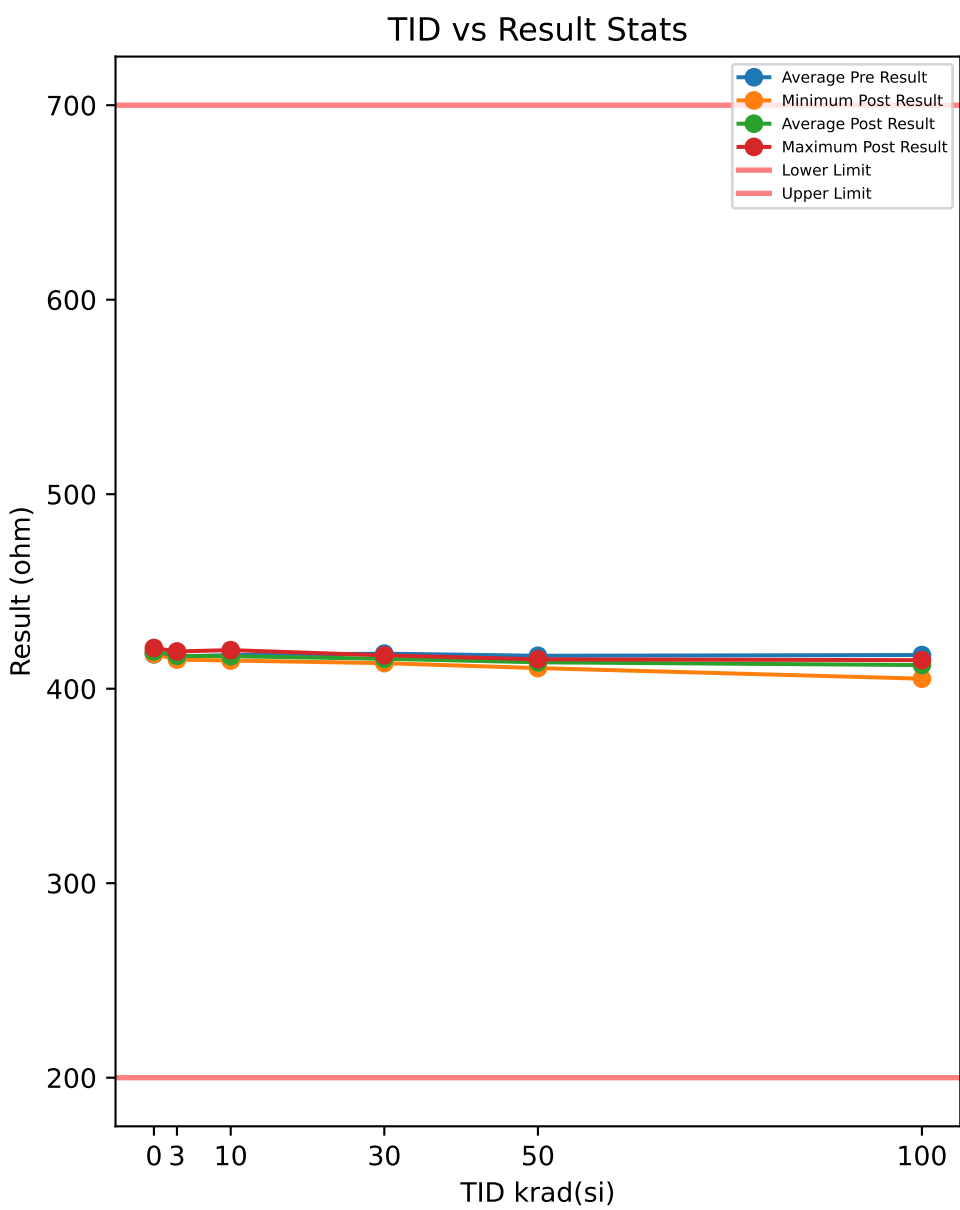
TID vs Post - Pre Exposure Delta



Test Statistics (V)

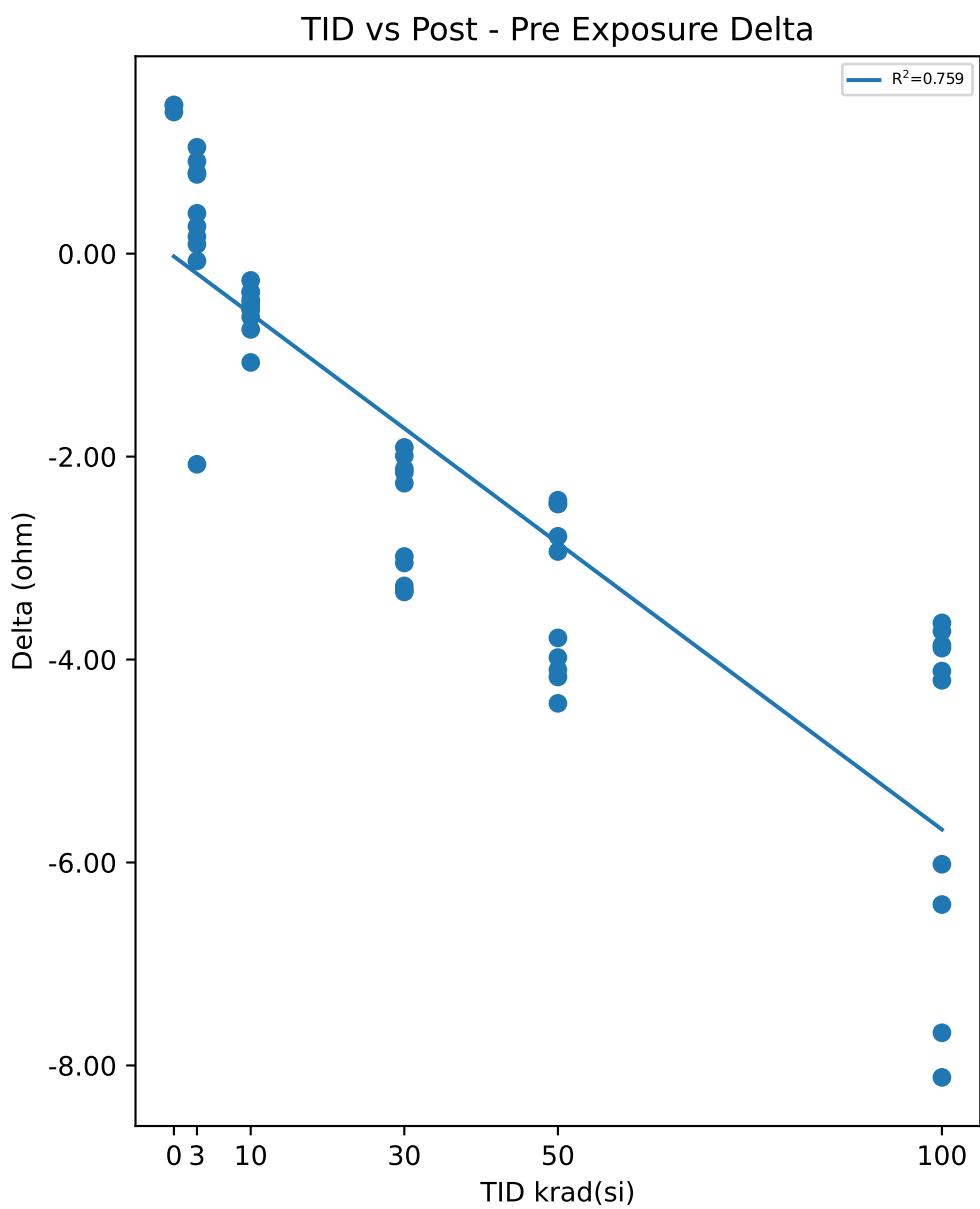
krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	1.8957	1.8989	1.9007	0.0027538	1.8967	1.8982	1.8993	0.0013614	-0.0015	-0.00063333	0.001	0.0014154
3	1.8907	1.8967	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

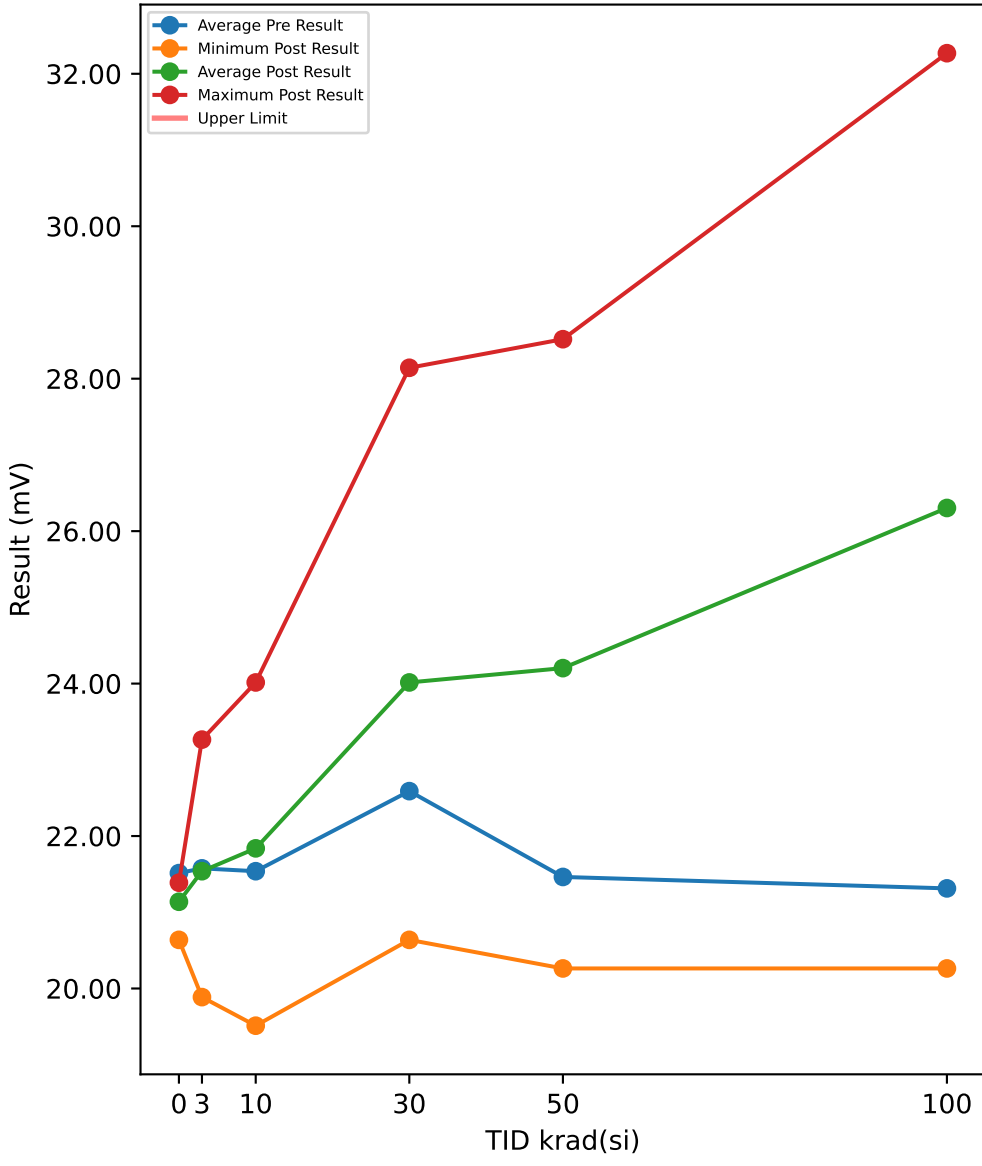


Test Statistics (ohm)

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)

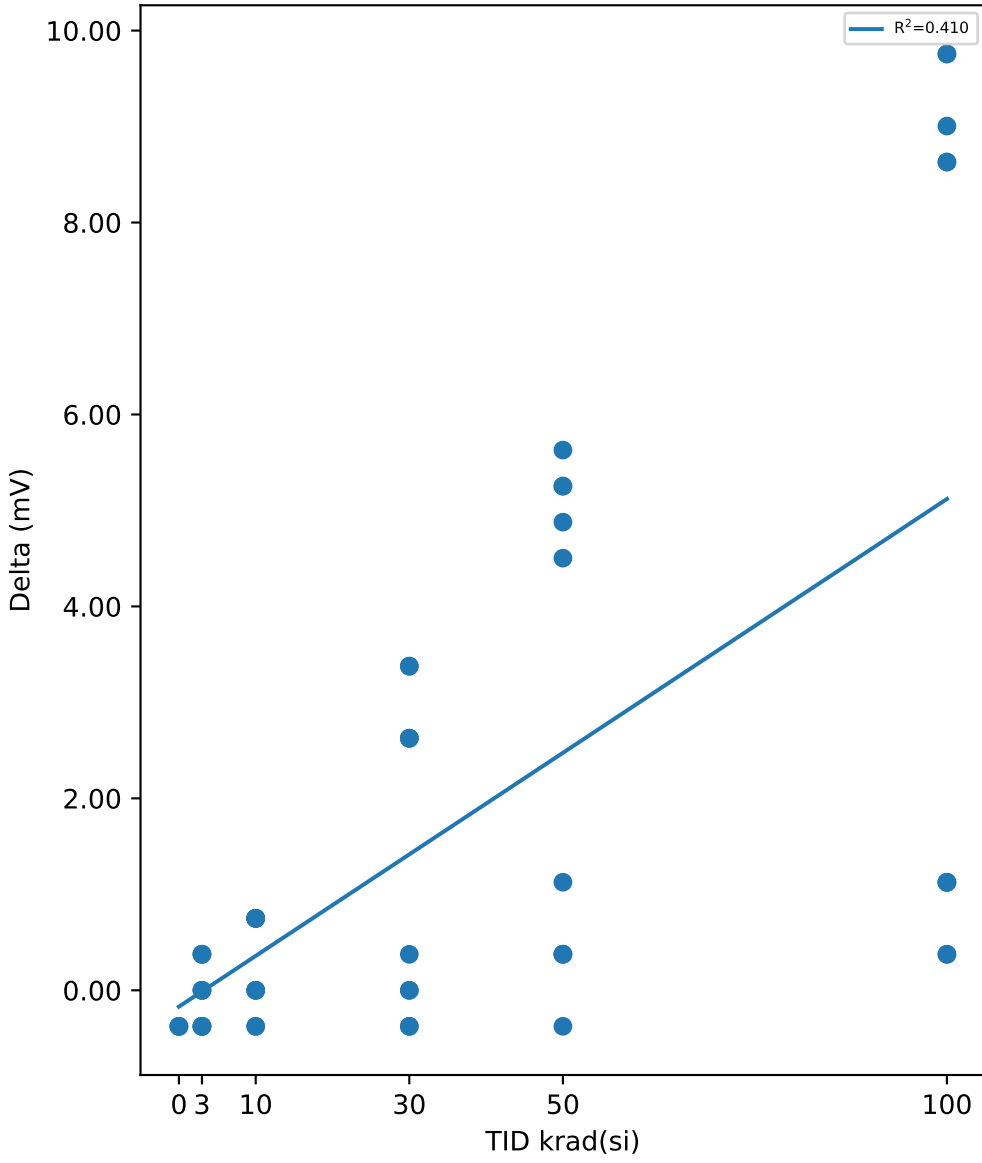
TID vs Result Stats



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

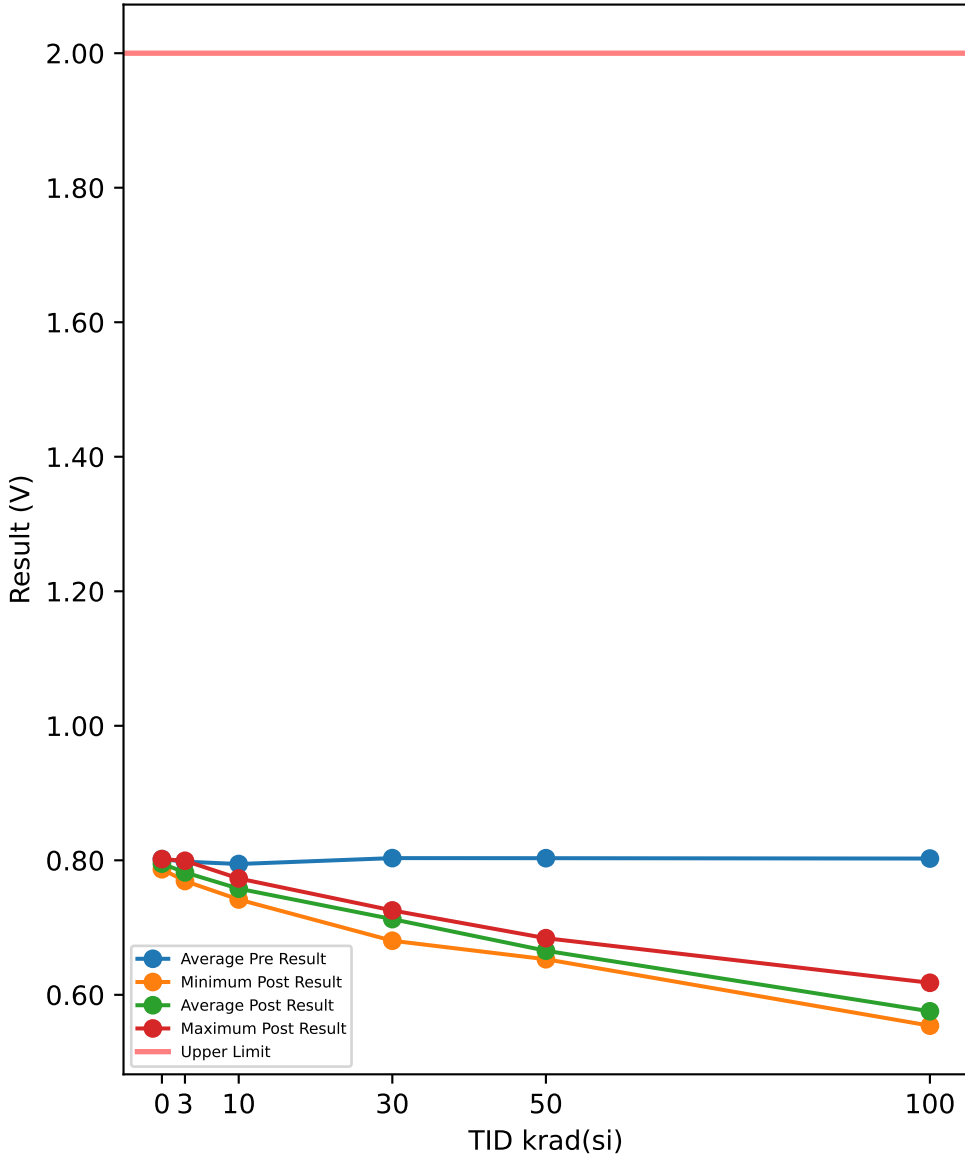
TID vs Post - Pre Exposure Delta



Test Statistics (mV)

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	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

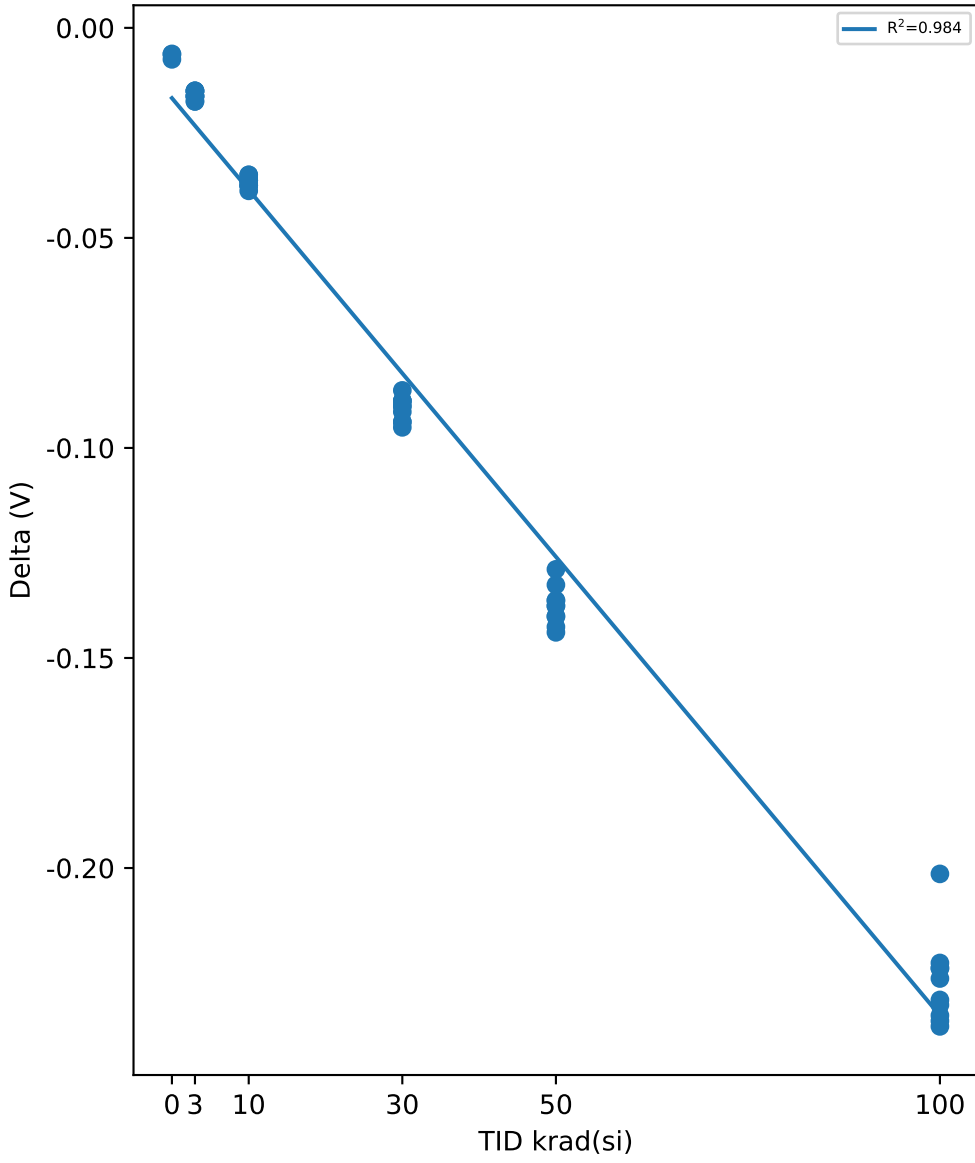
TID vs Result Stats



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

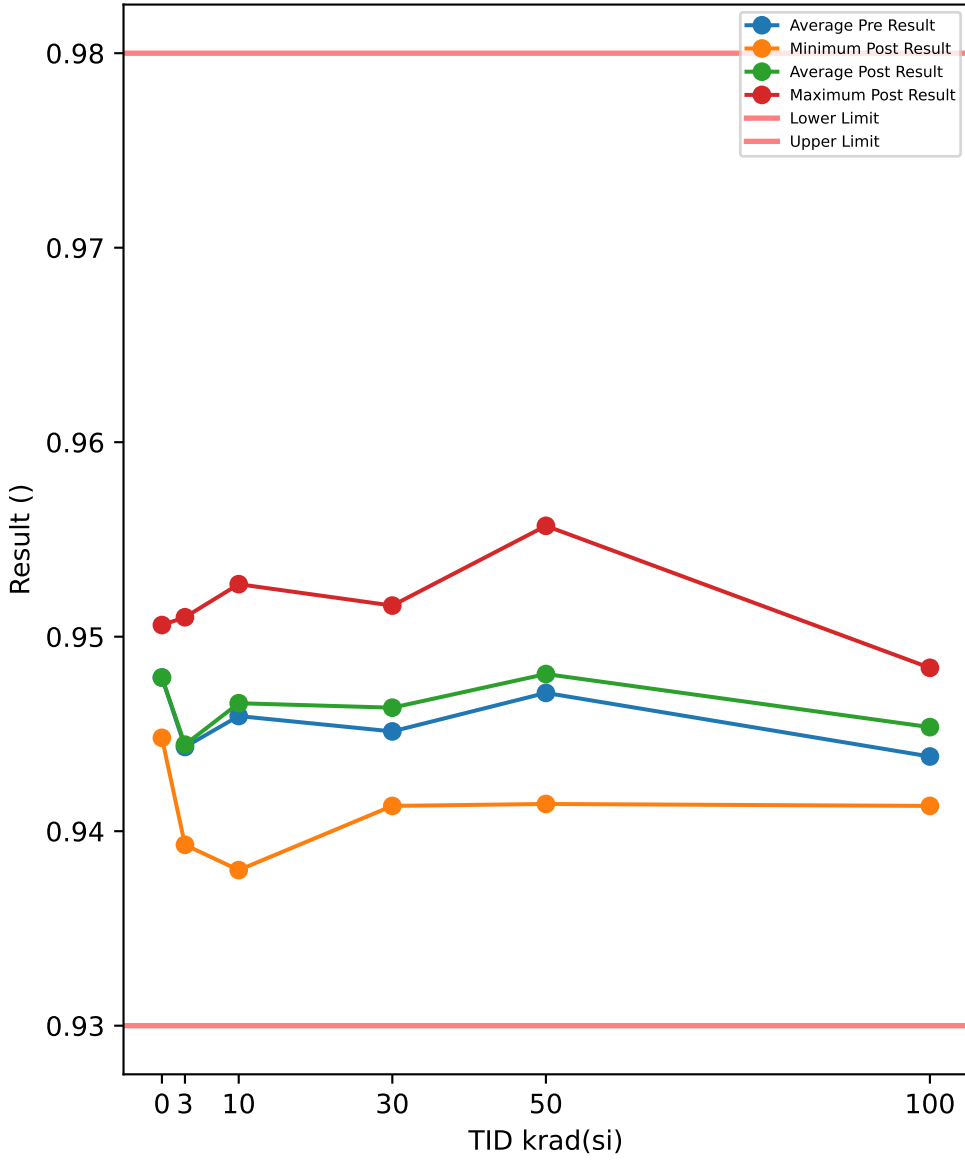
TID vs Post - Pre Exposure Delta



Test Statistics (V)

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	0.7942	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

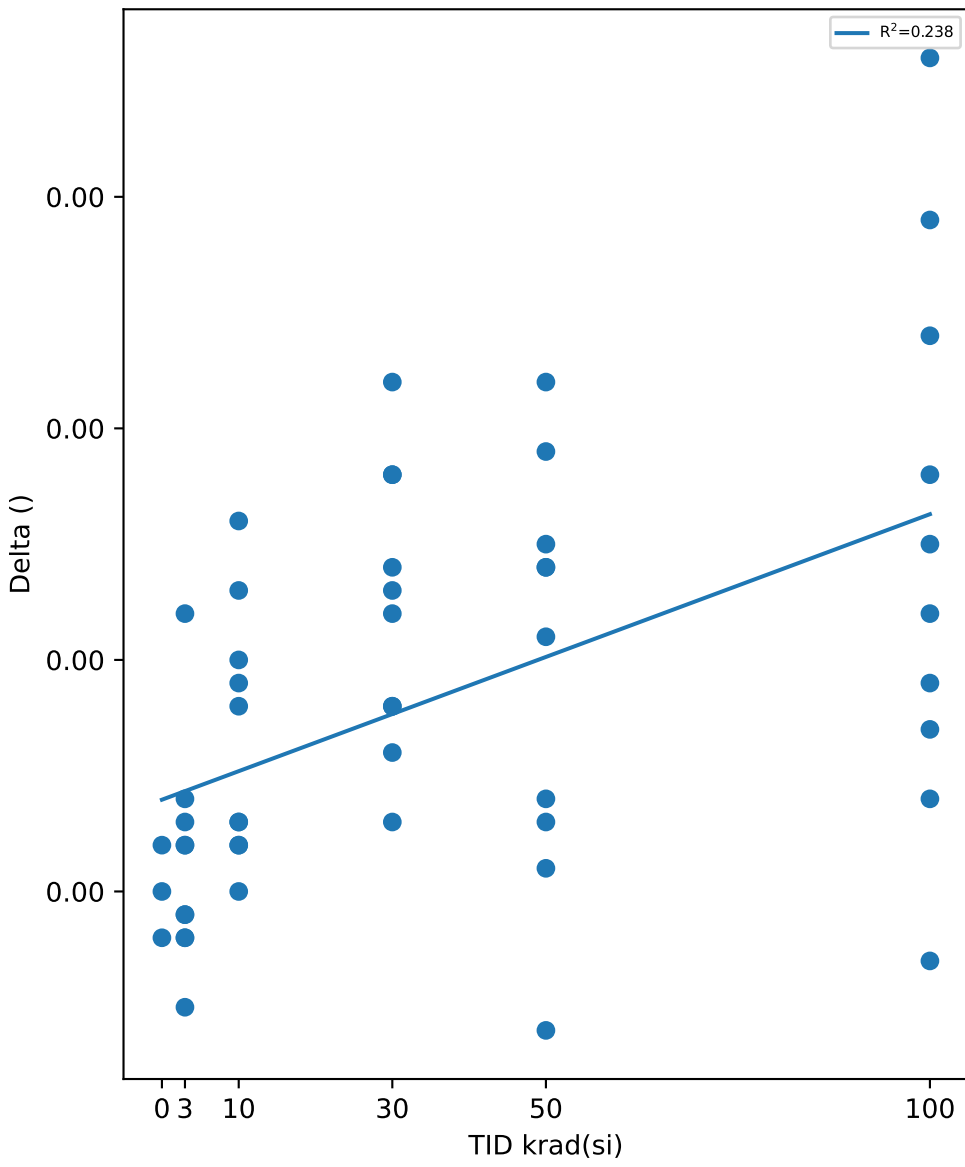
TID vs Result Stats



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

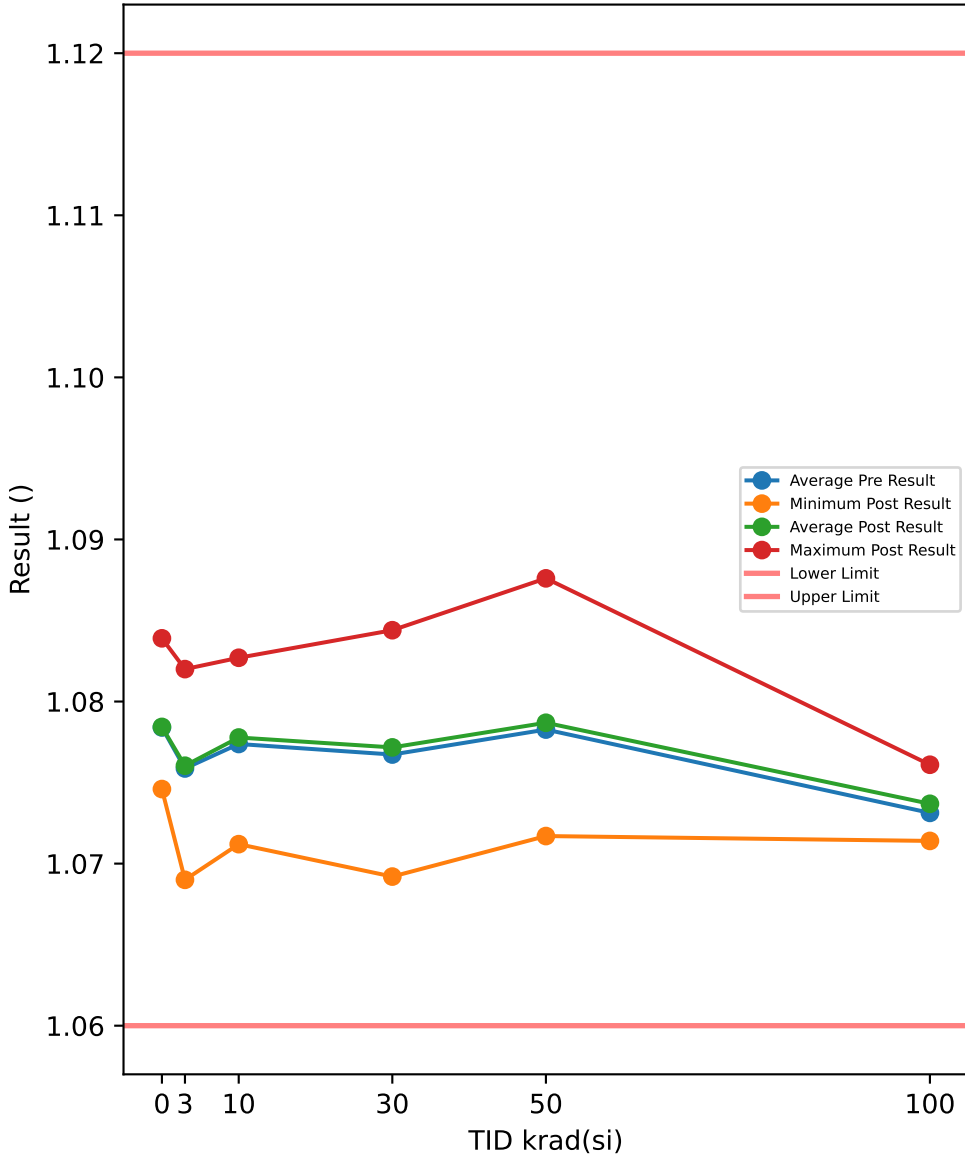
TID vs Post - Pre Exposure Delta



Test Statistics ()

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	0.9448	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

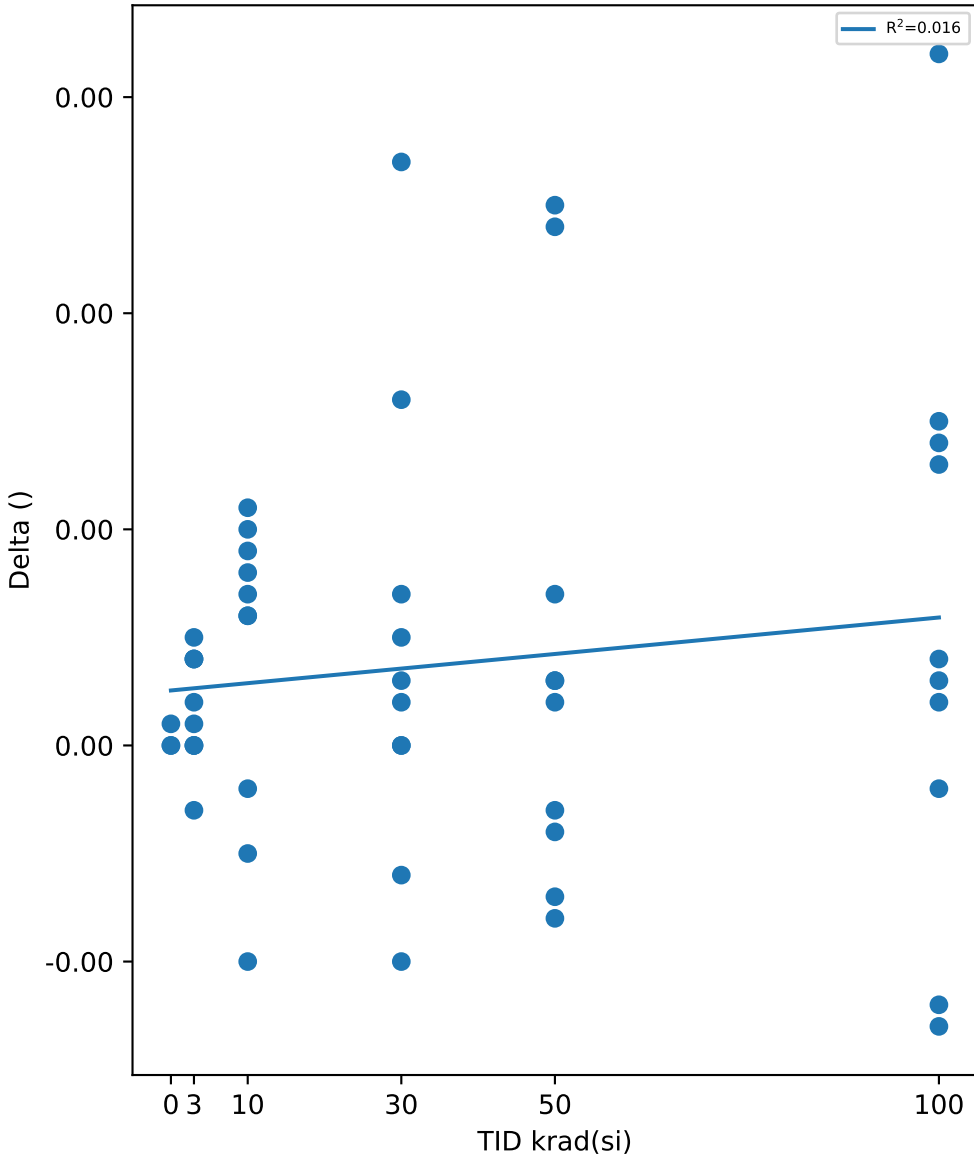
TID vs Result Stats



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

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

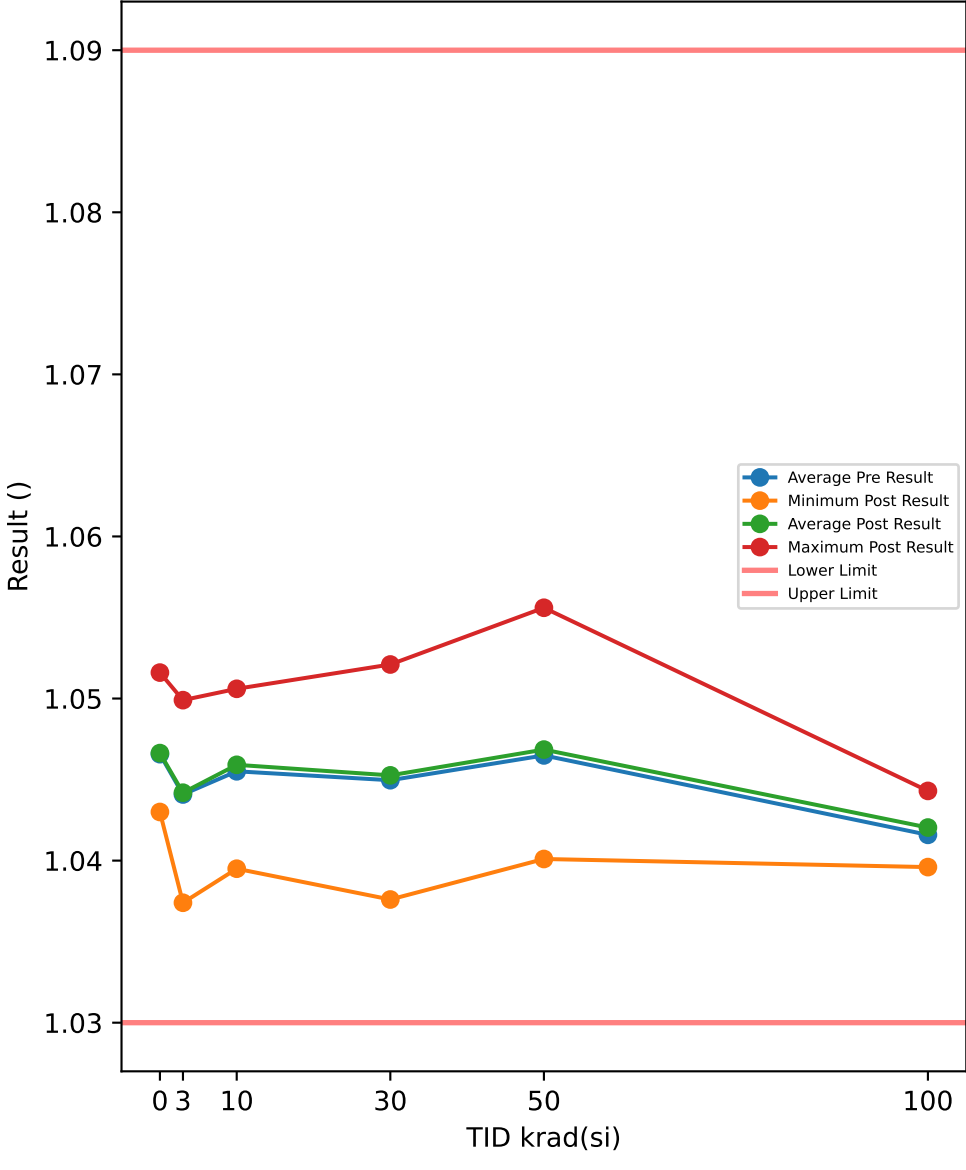
TID vs Post - Pre Exposure Delta



Test Statistics (V)

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	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

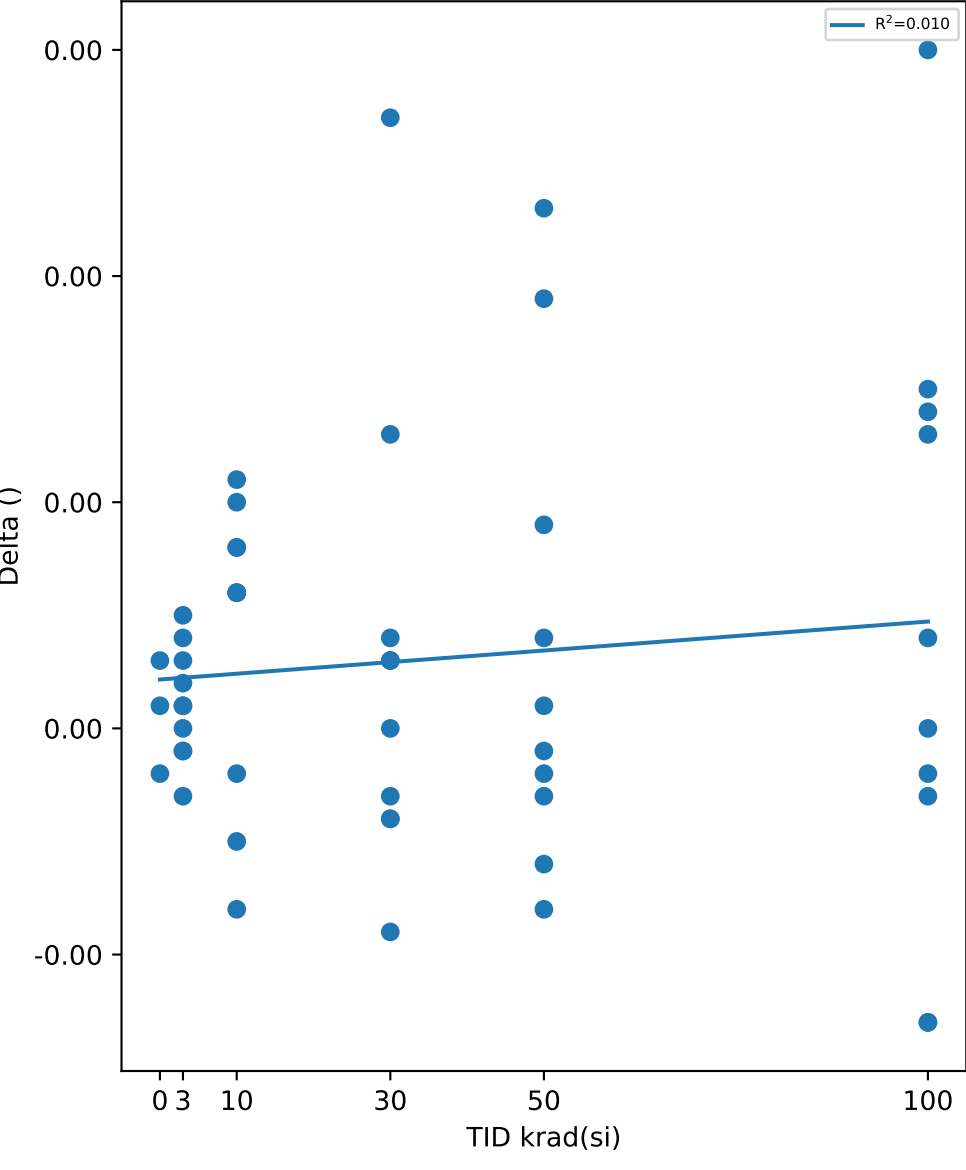
TID vs Result Stats



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

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

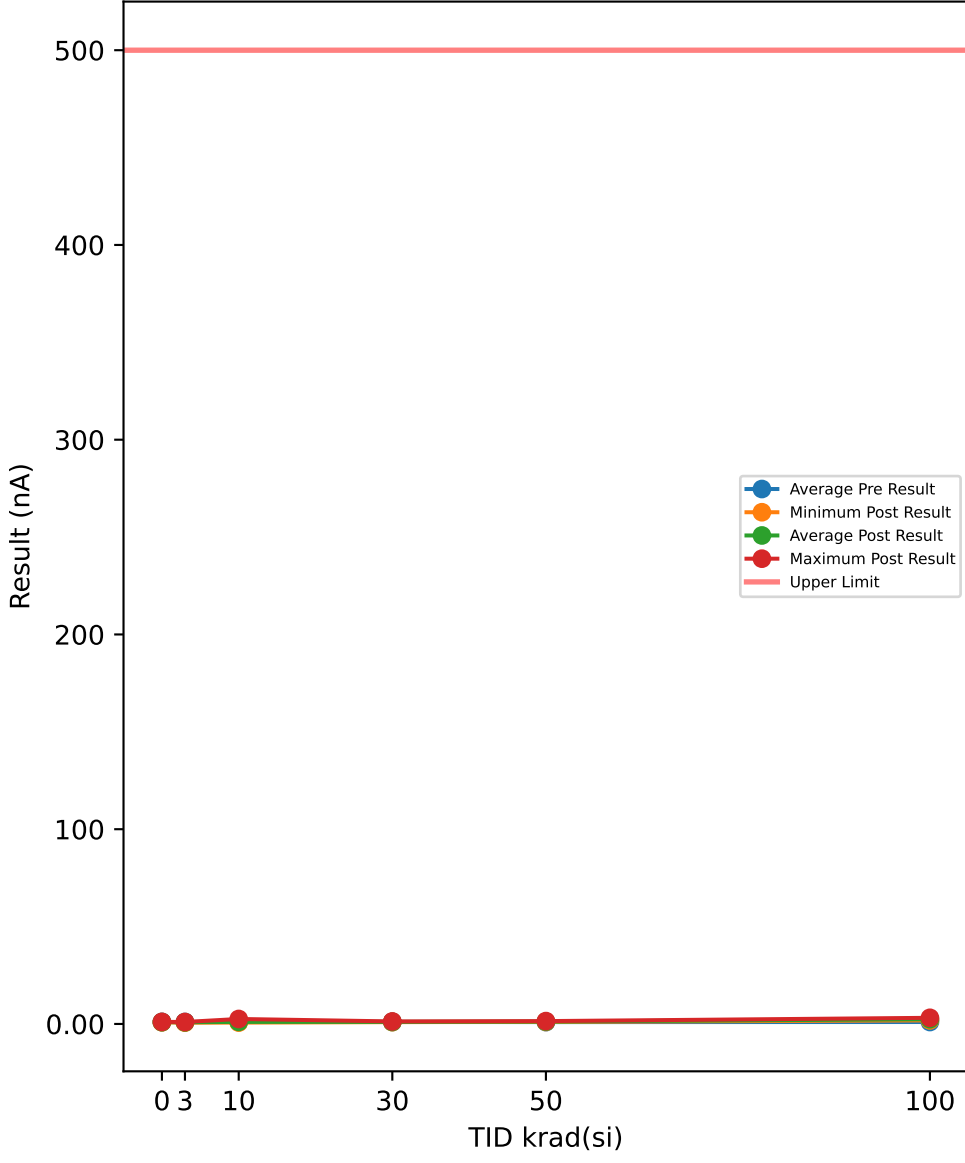
TID vs Post - Pre Exposure Delta



Test Statistics (V)

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	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

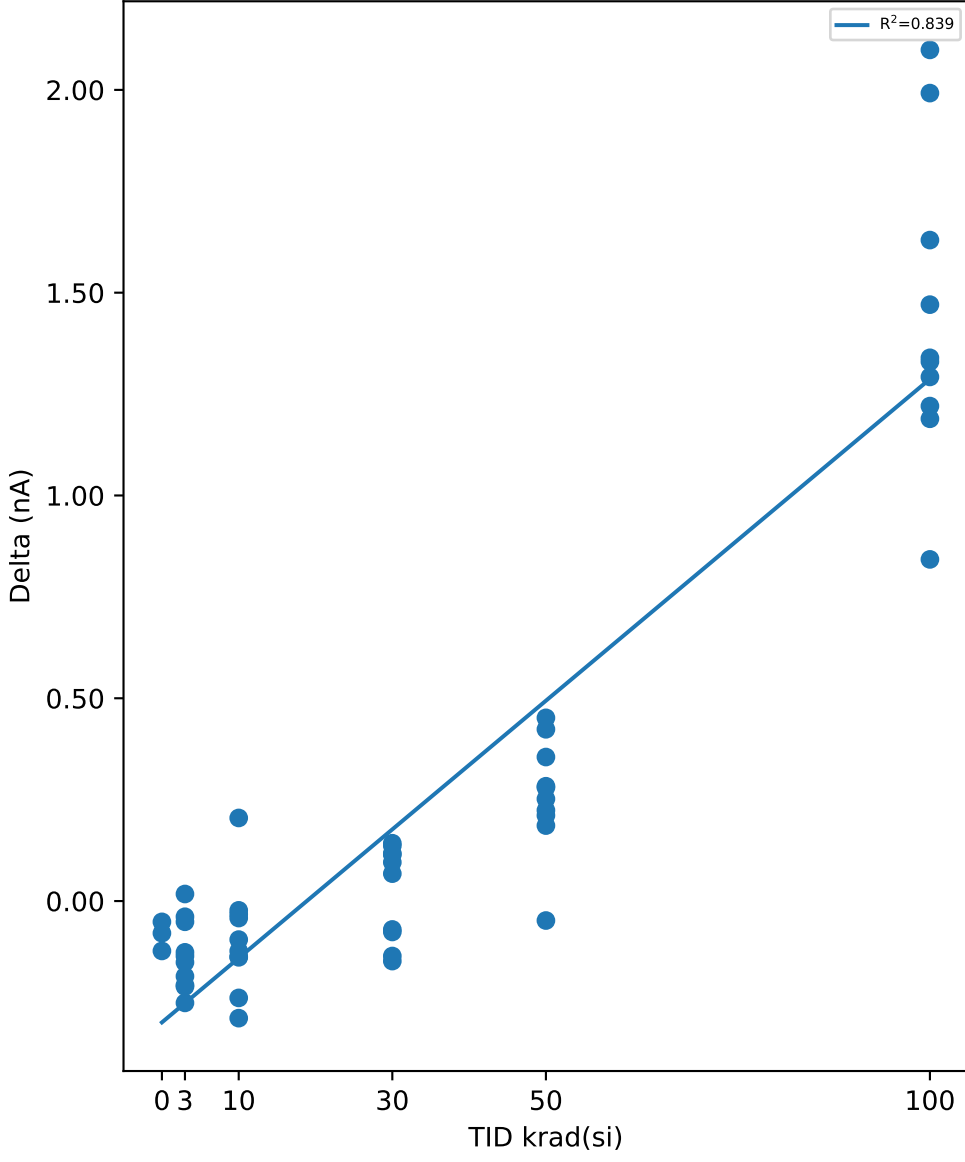
TID vs Result Stats



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

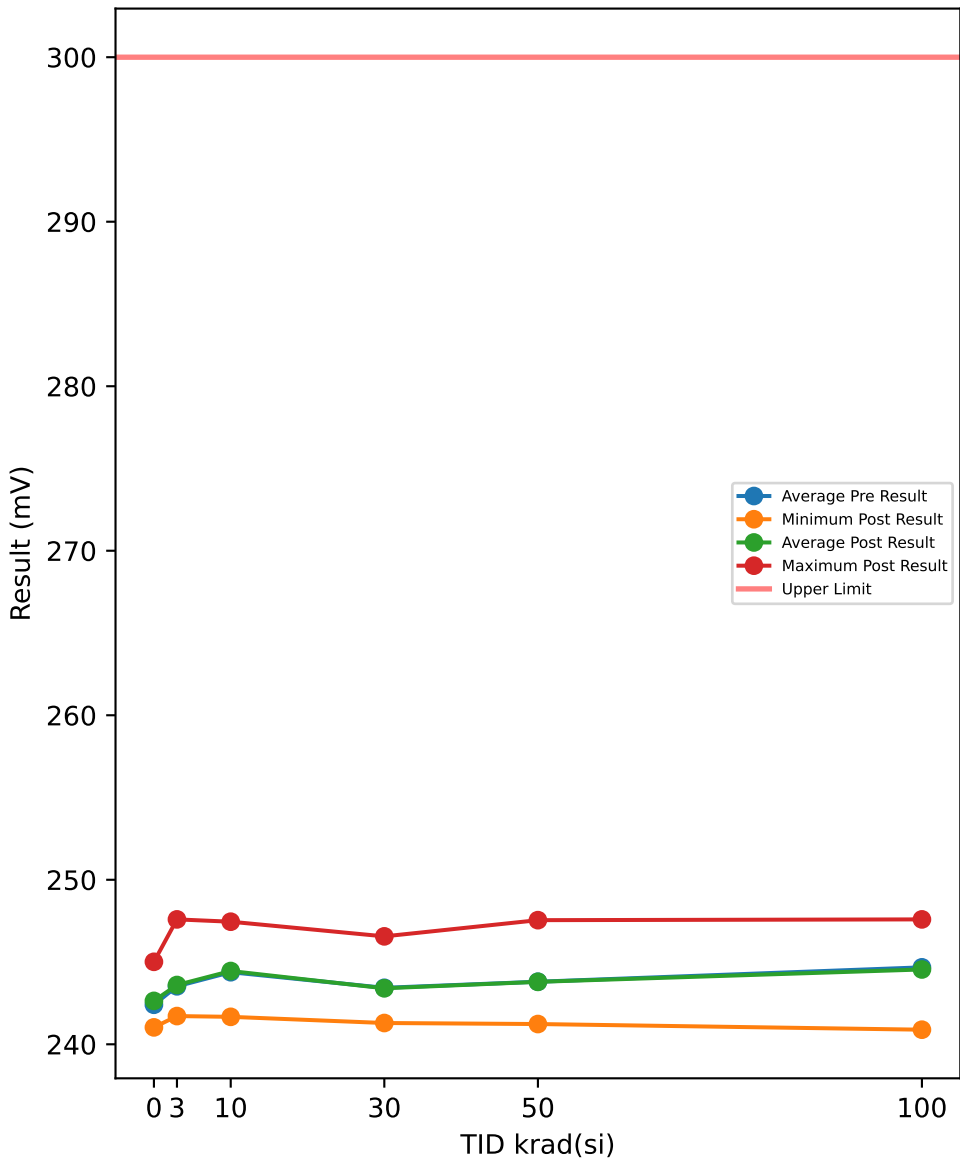
TID vs Post - Pre Exposure Delta



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

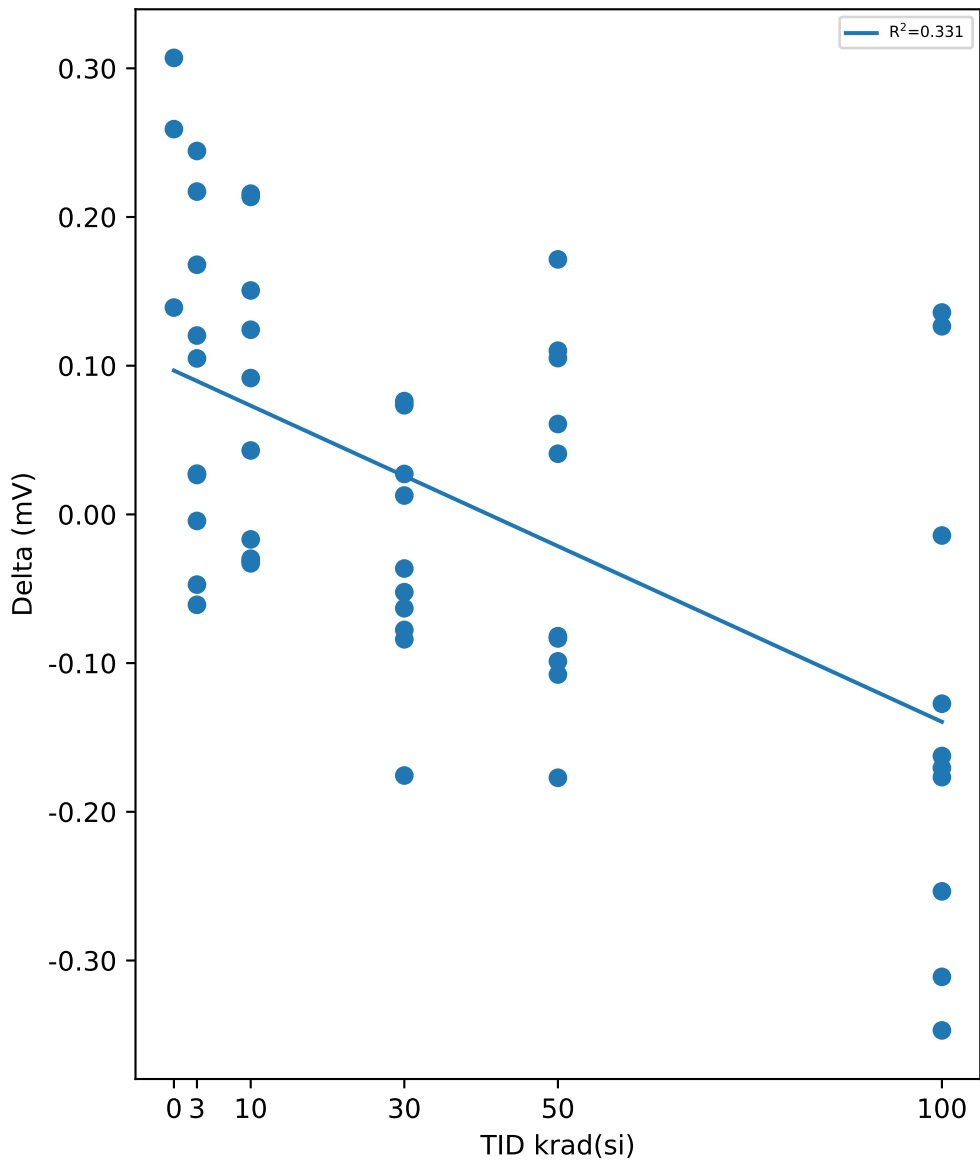
TID vs Result Stats



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

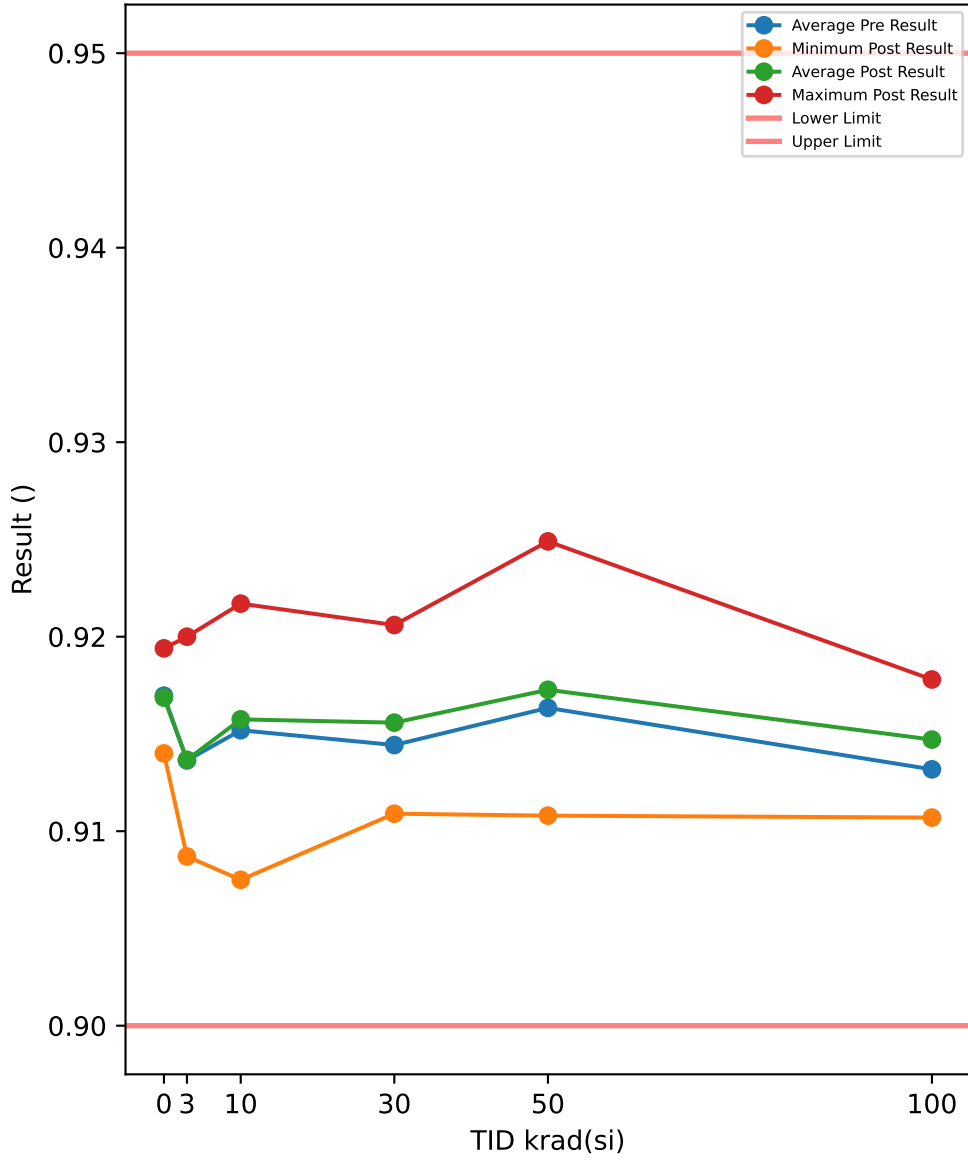
TID vs Post - Pre Exposure Delta



Test Statistics (mV)

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	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

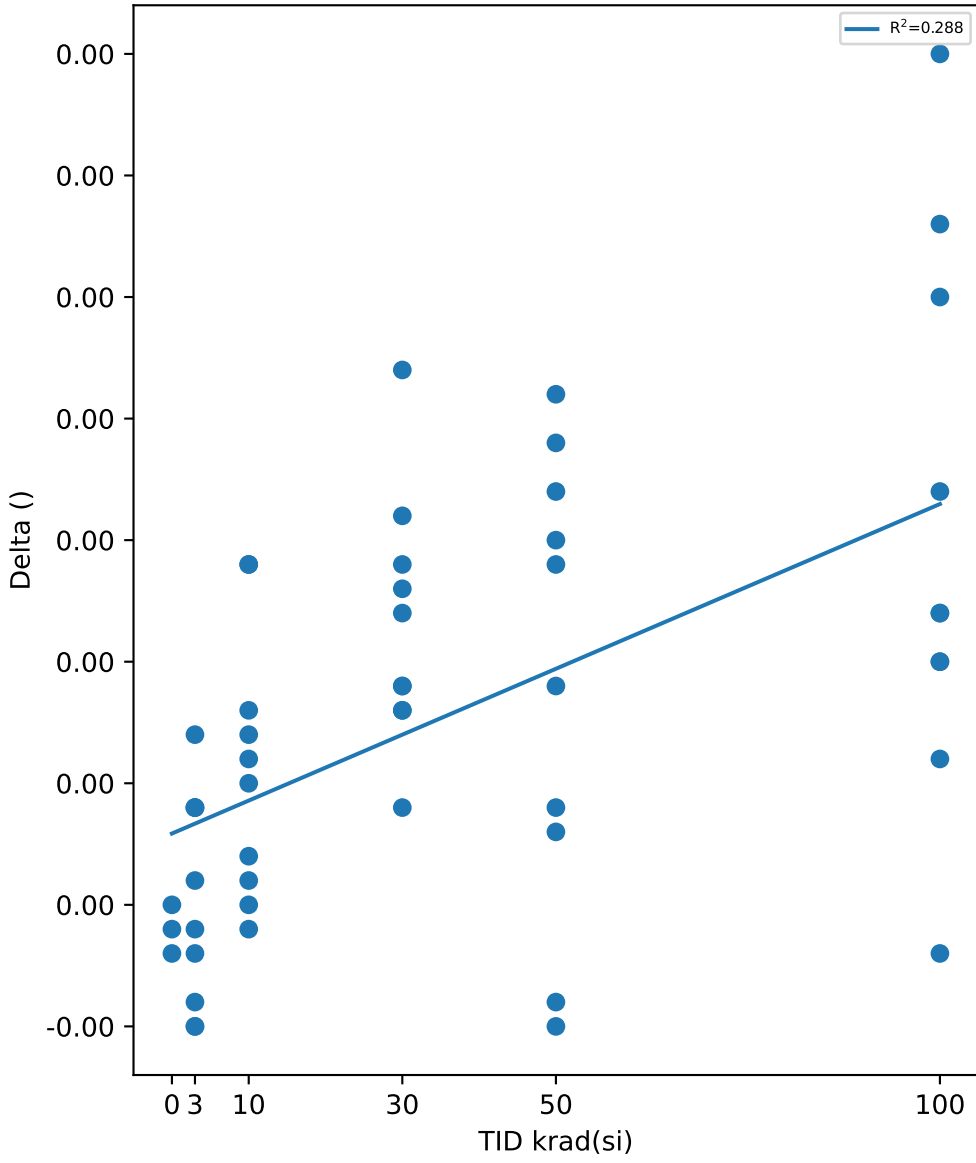
TID vs Result Stats



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

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

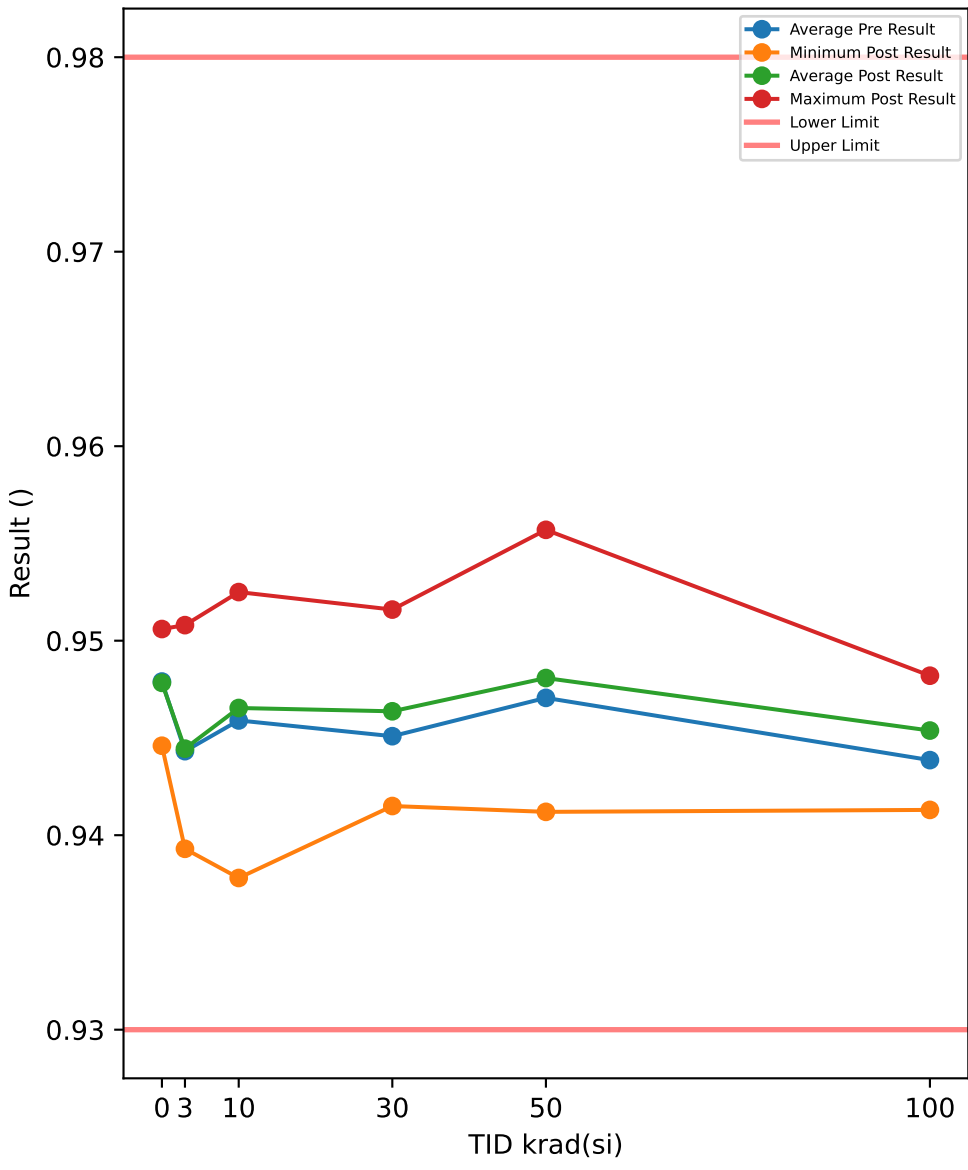
TID vs Post - Pre Exposure Delta



Test Statistics (V)

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	0.9142	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

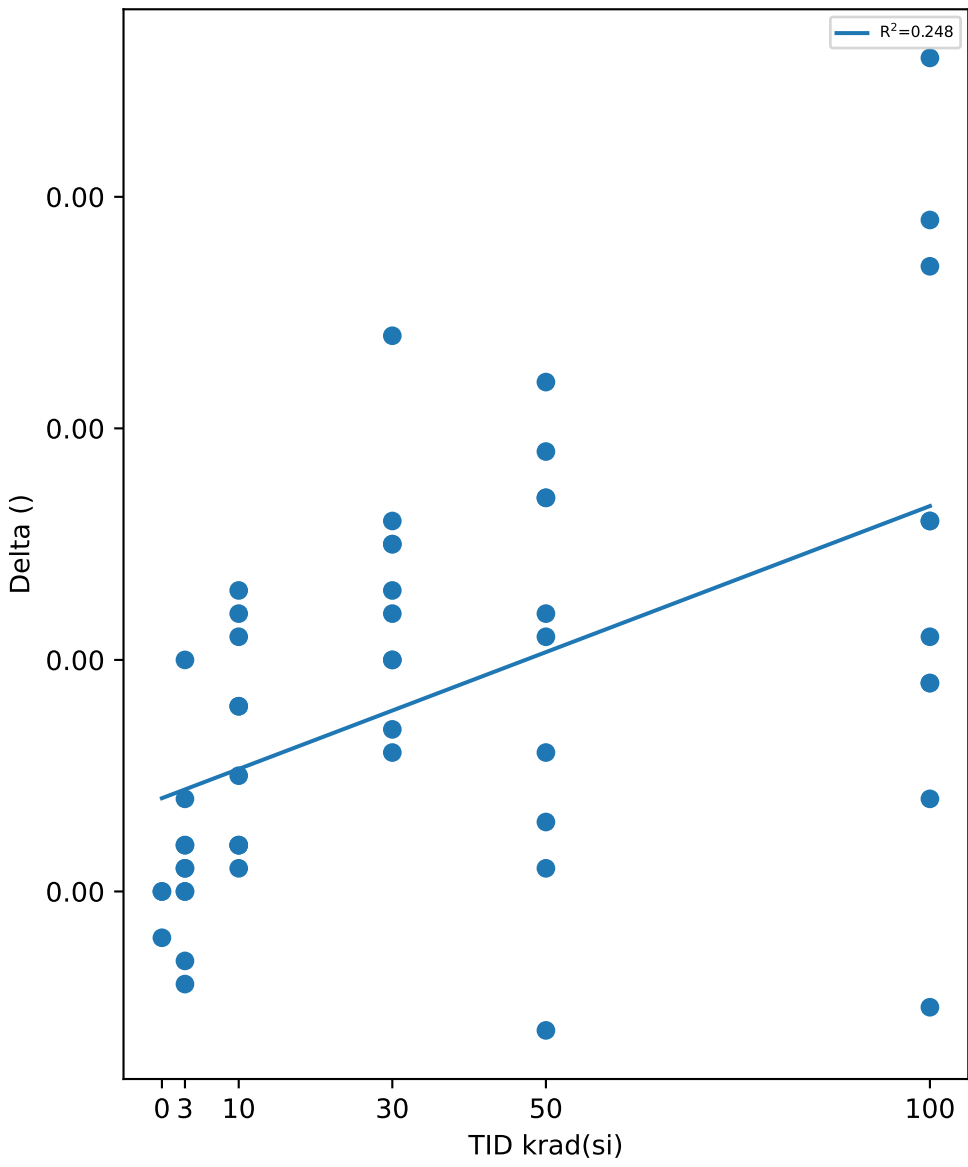
TID vs Result Stats



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

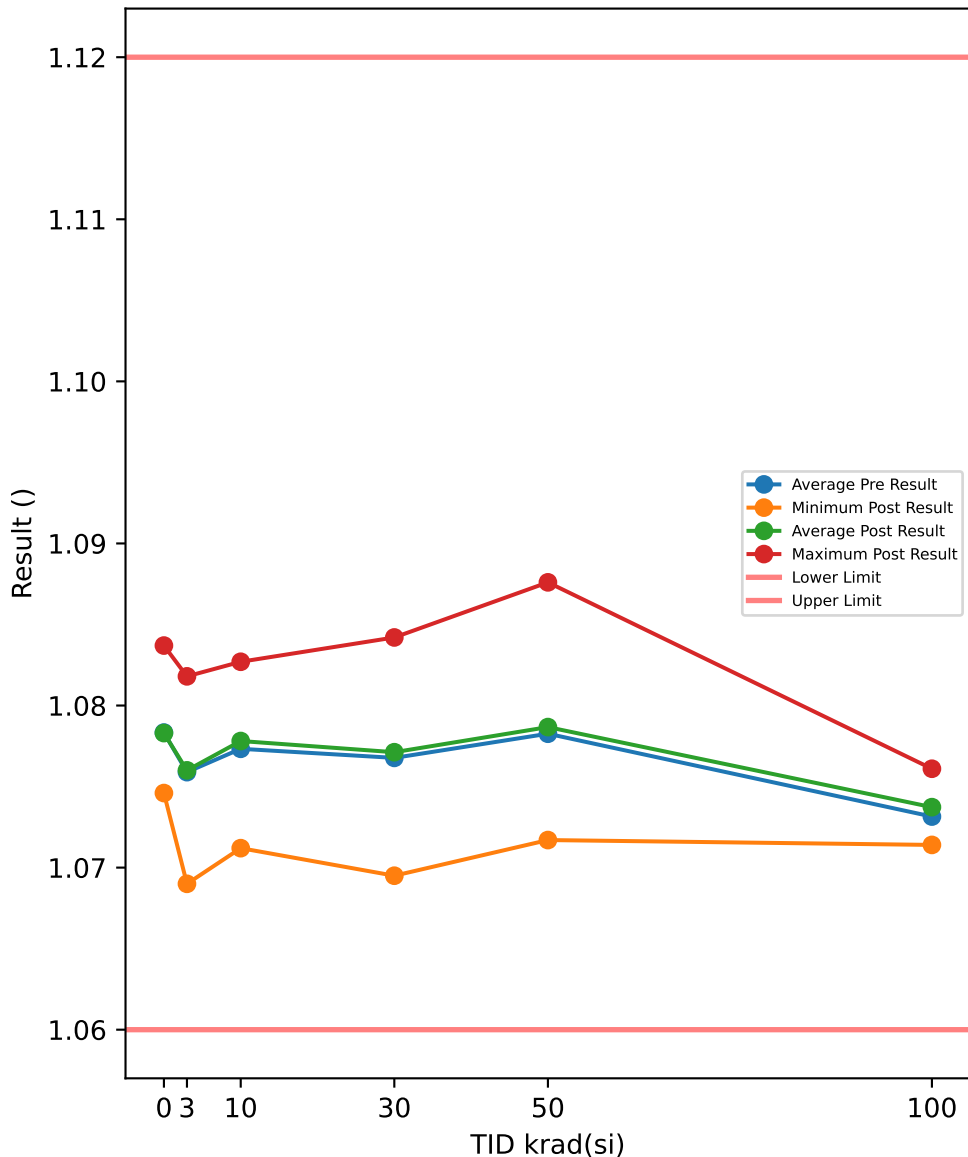
TID vs Post - Pre Exposure Delta



Test Statistics ()

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	0.9446	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

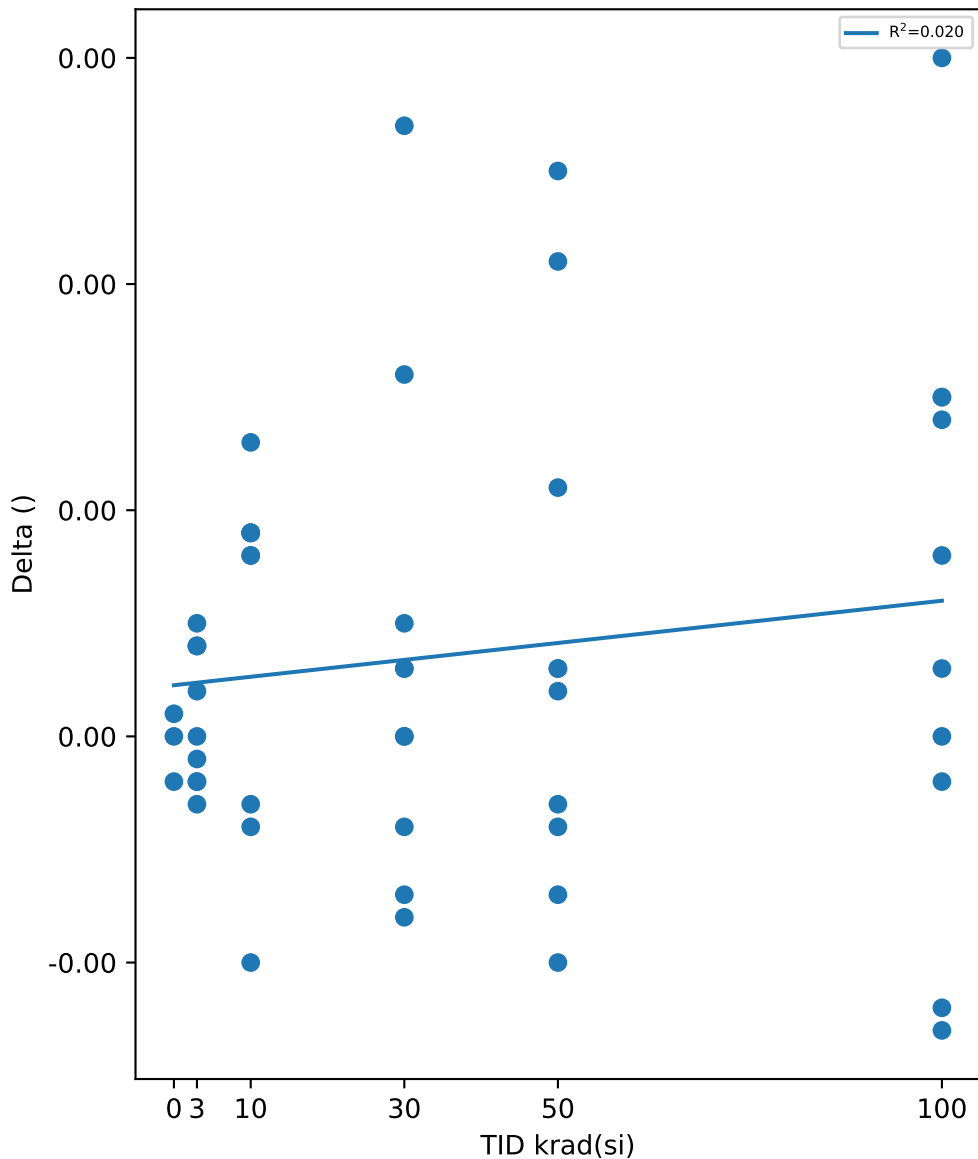
TID vs Result Stats



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

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

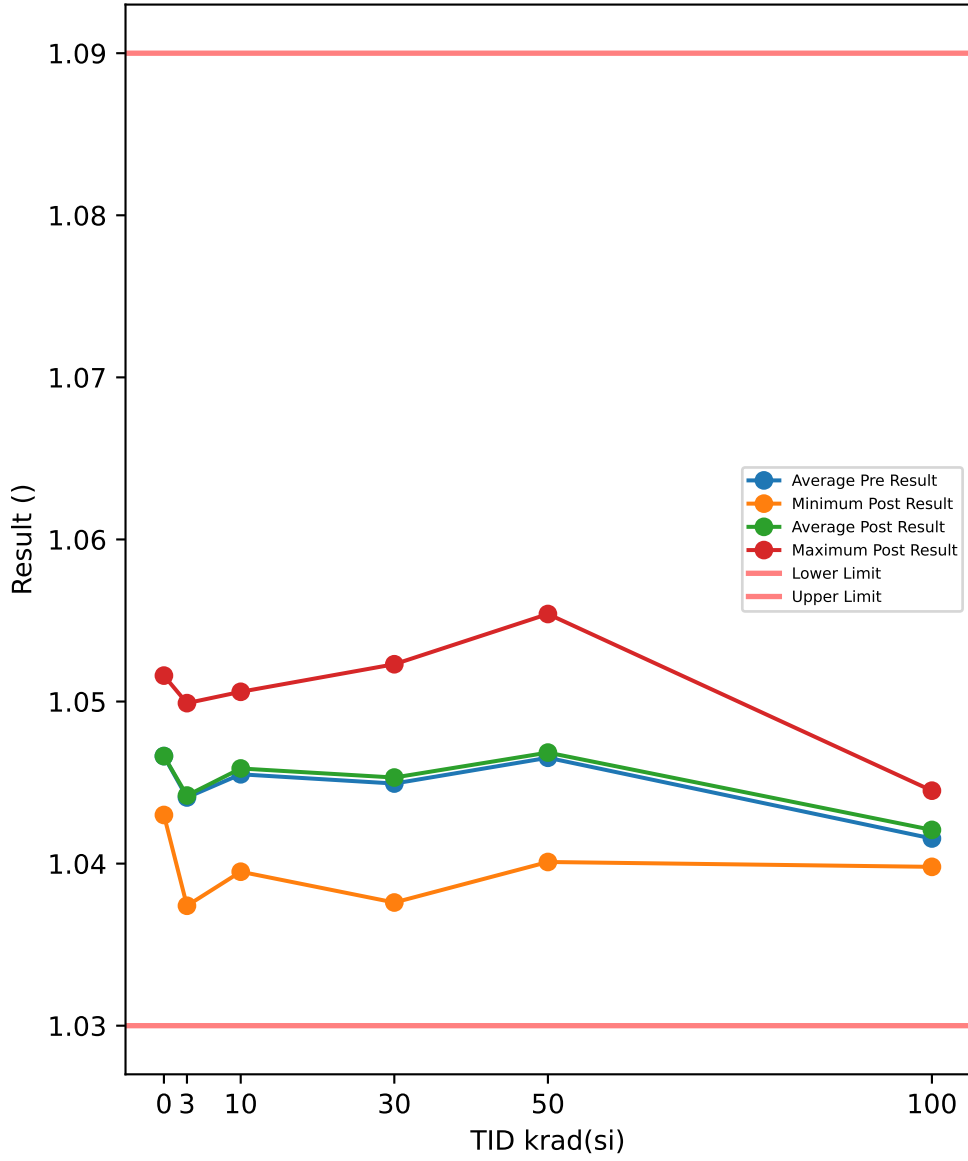
TID vs Post - Pre Exposure Delta



Test Statistics (V)

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	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

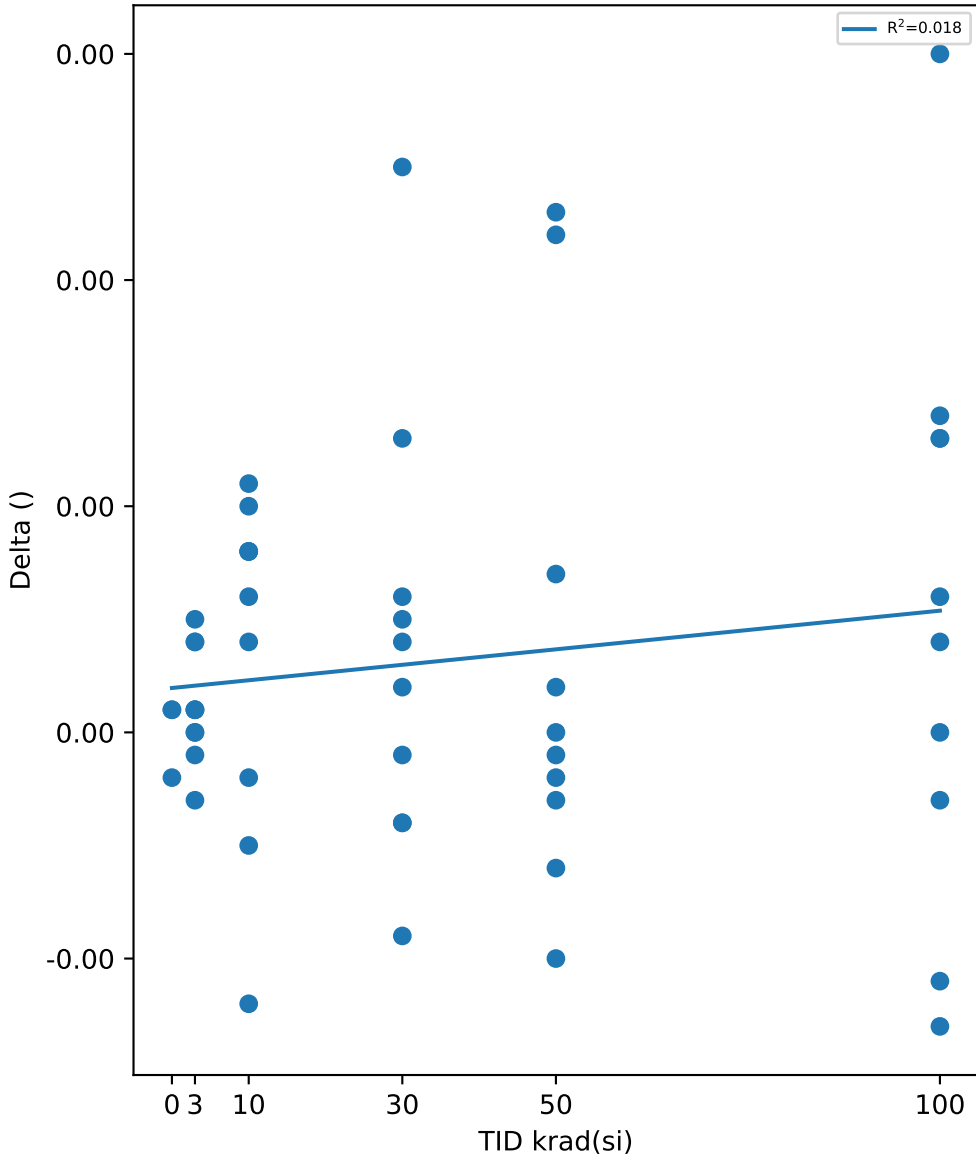
TID vs Result Stats



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

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

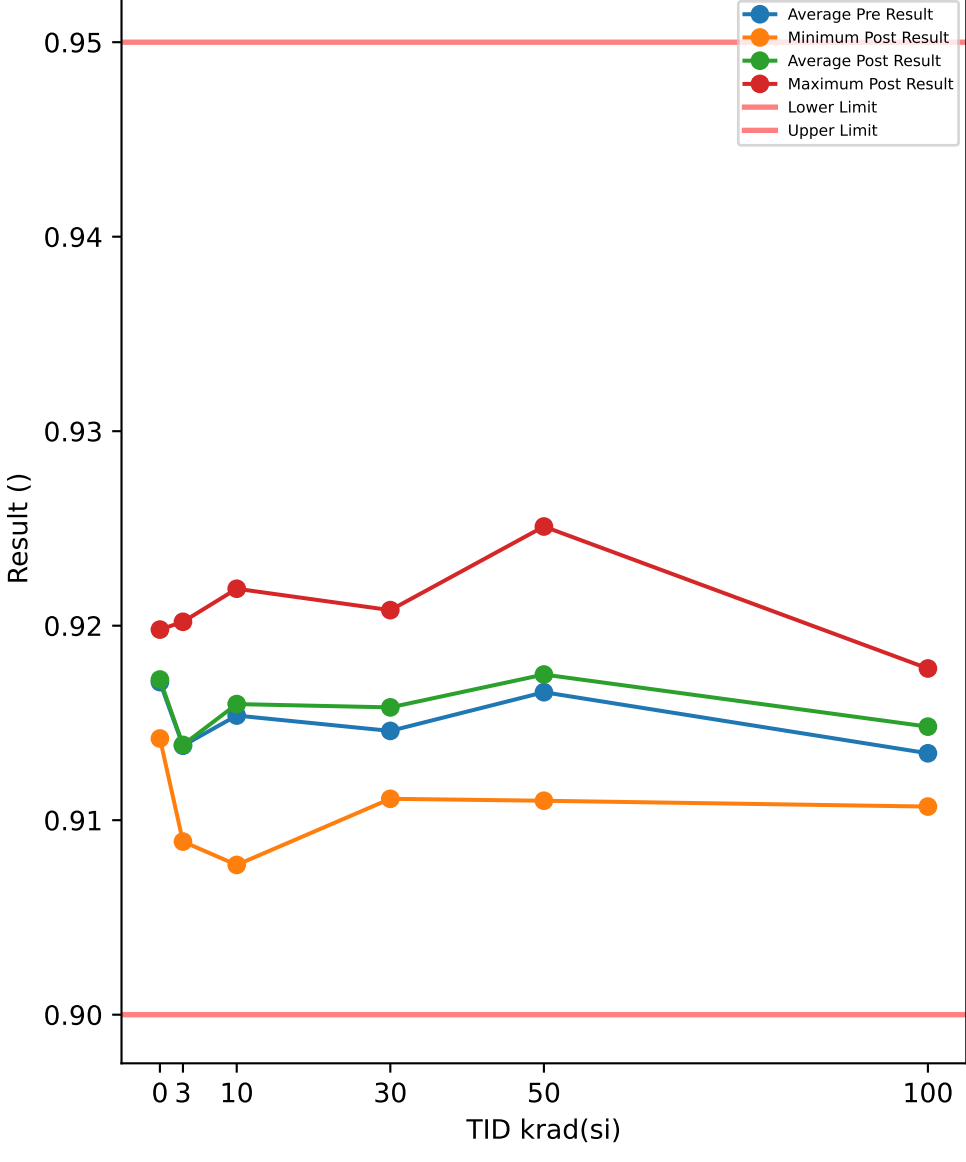
TID vs Post - Pre Exposure Delta



Test Statistics (V)

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	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

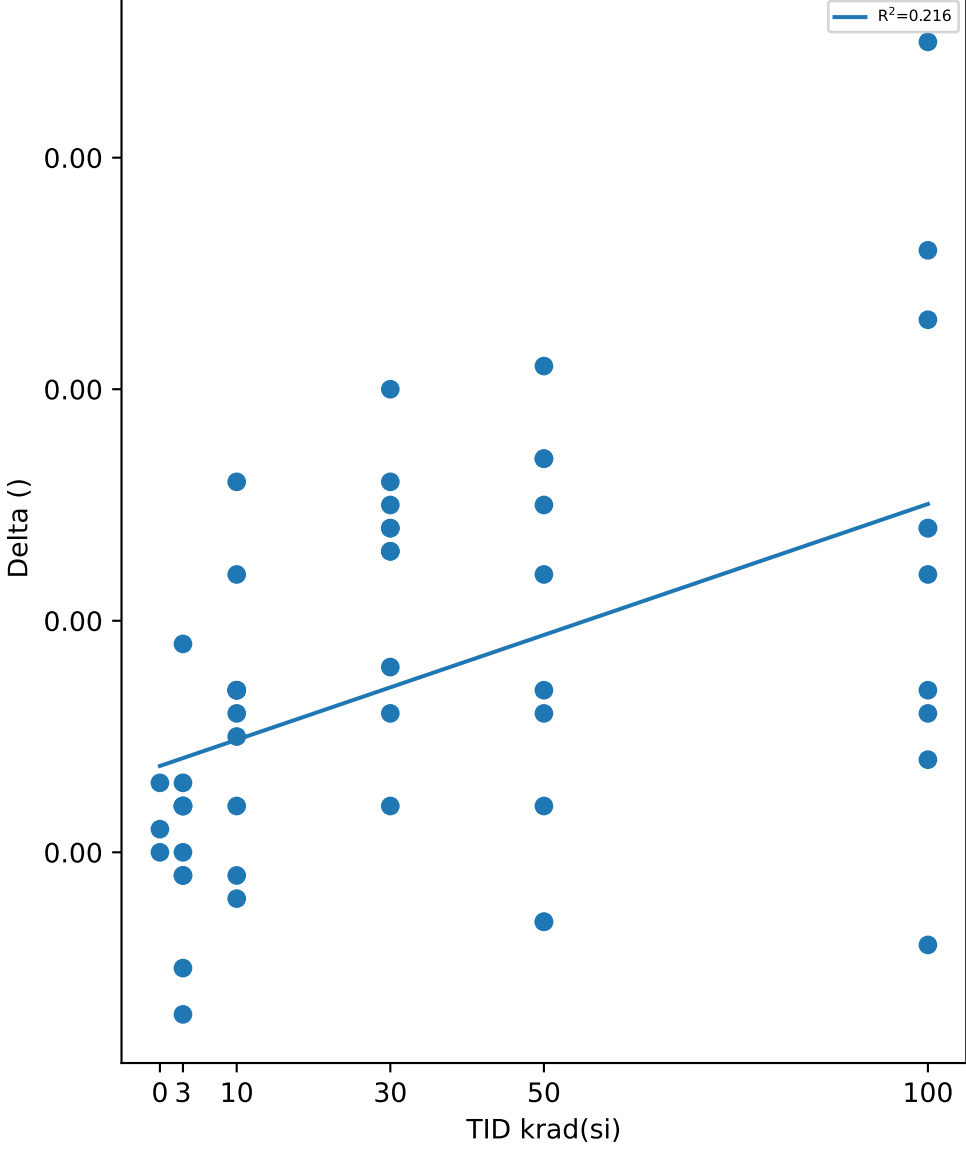
TID vs Result Stats



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

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

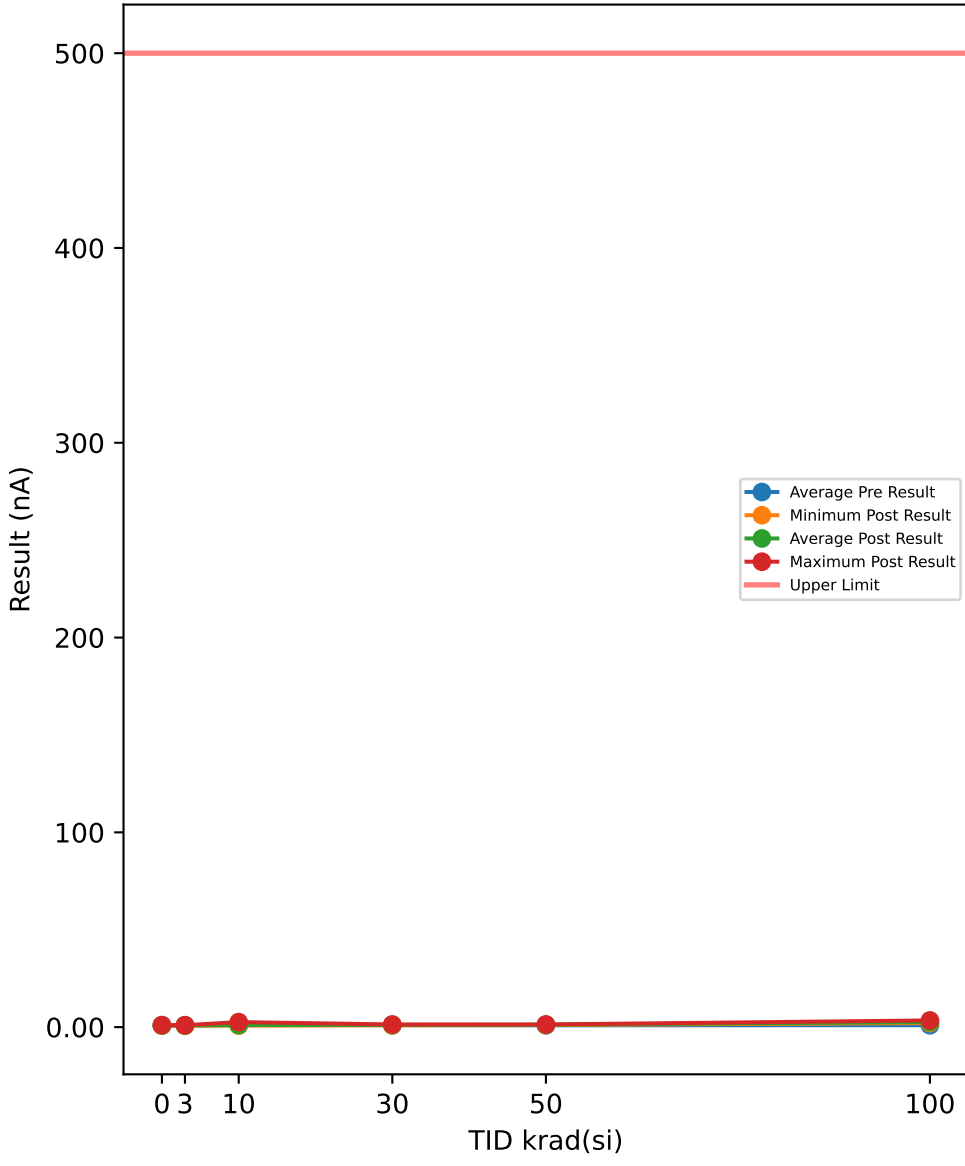
TID vs Post - Pre Exposure Delta



Test Statistics (V)

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	0.9142	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

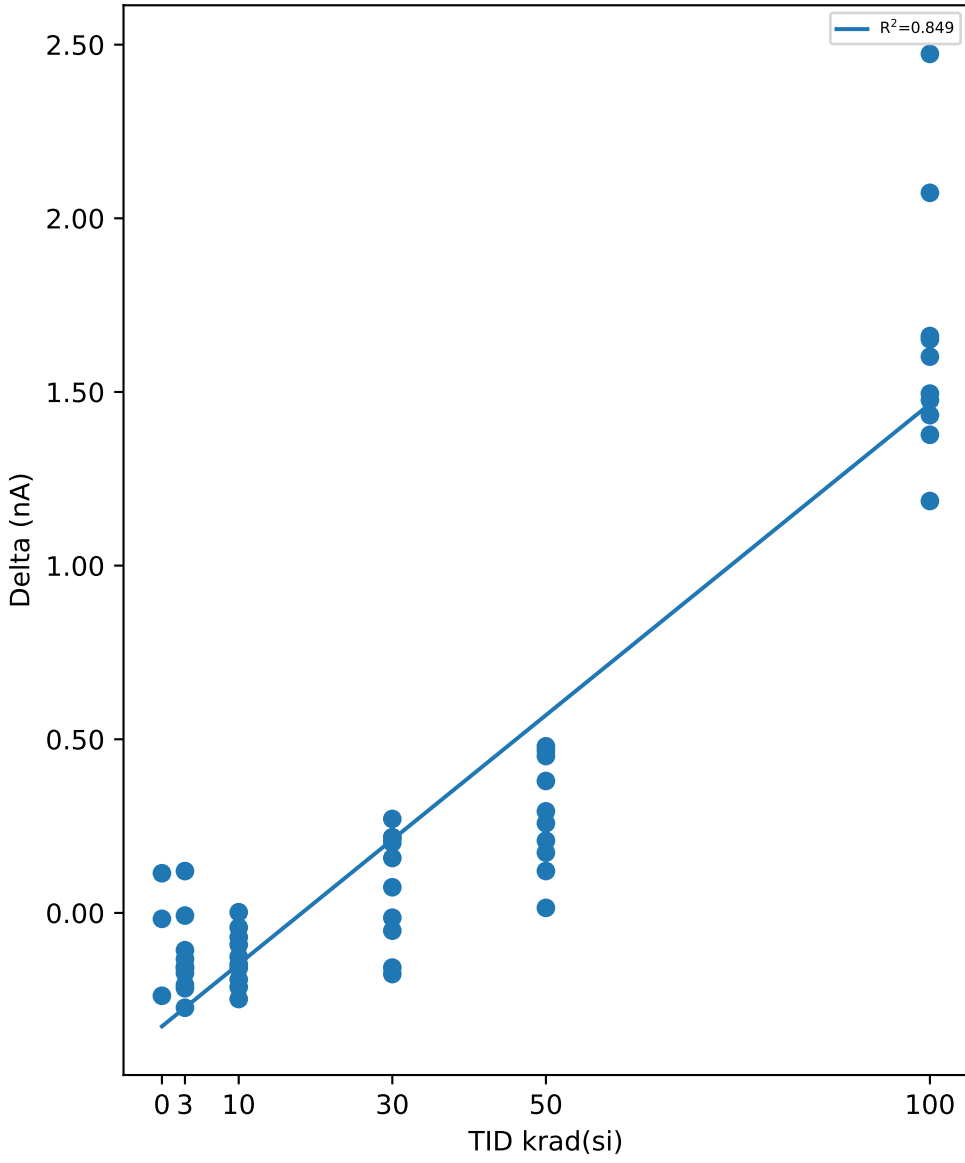
TID vs Result Stats



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

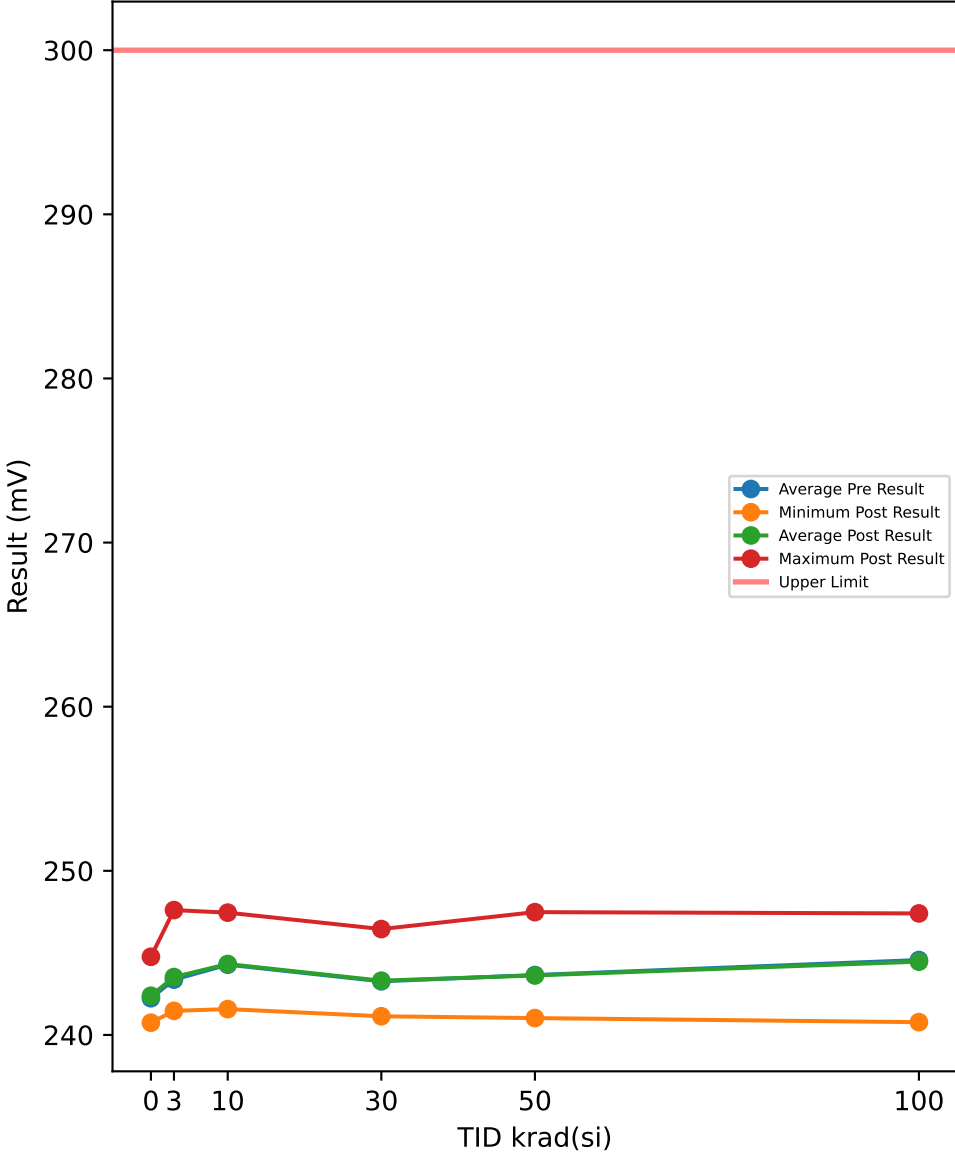
TID vs Post - Pre Exposure Delta



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

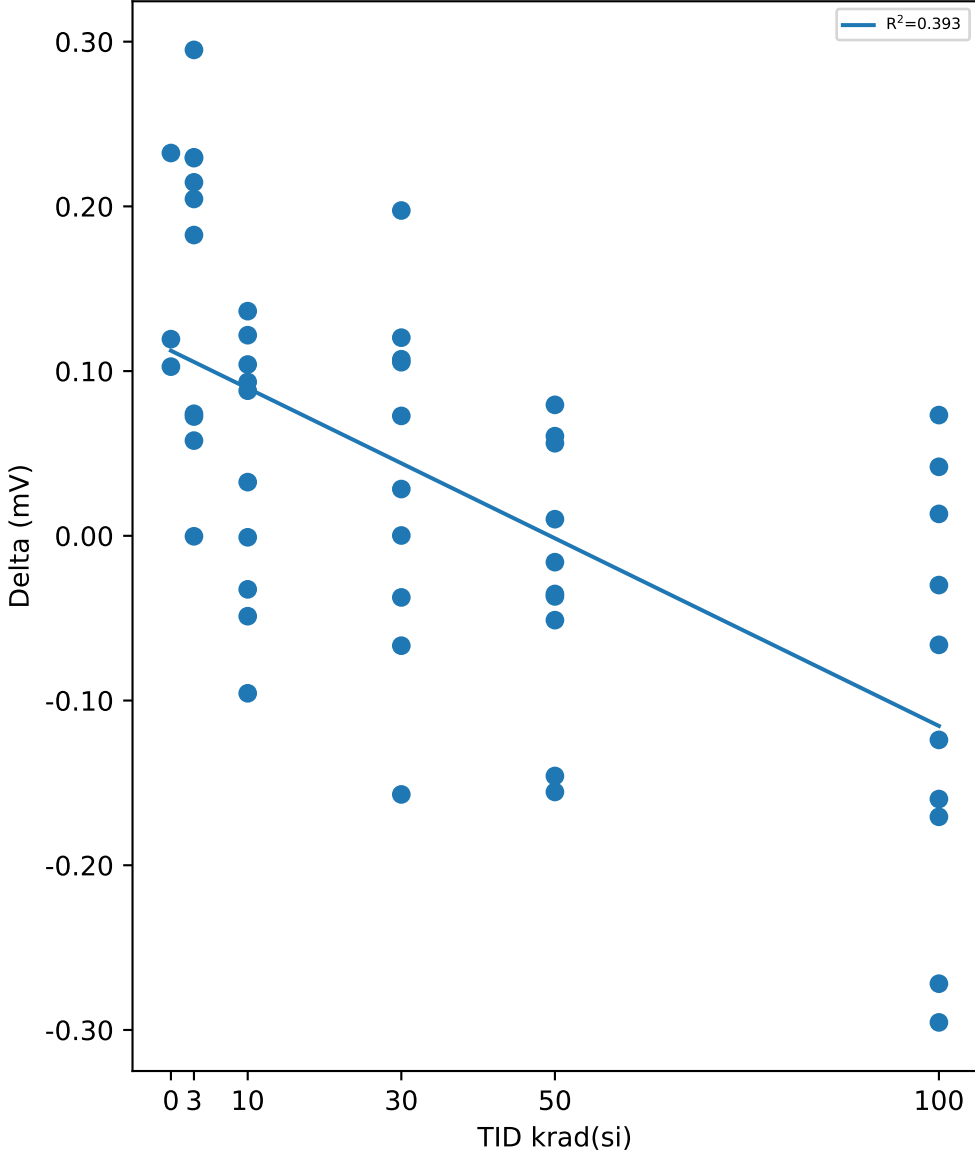
TID vs Result Stats



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

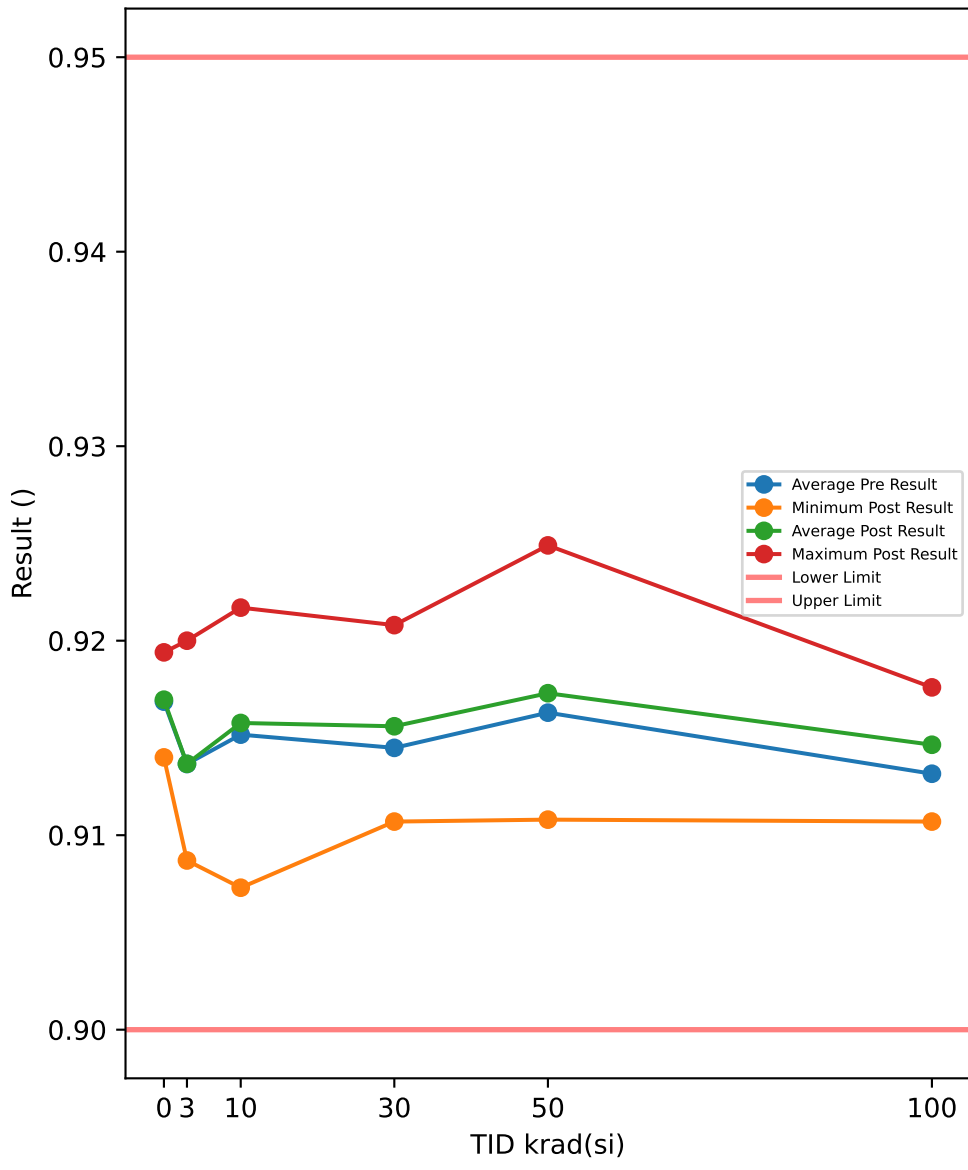
TID vs Post - Pre Exposure Delta



Test Statistics (mV)

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	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

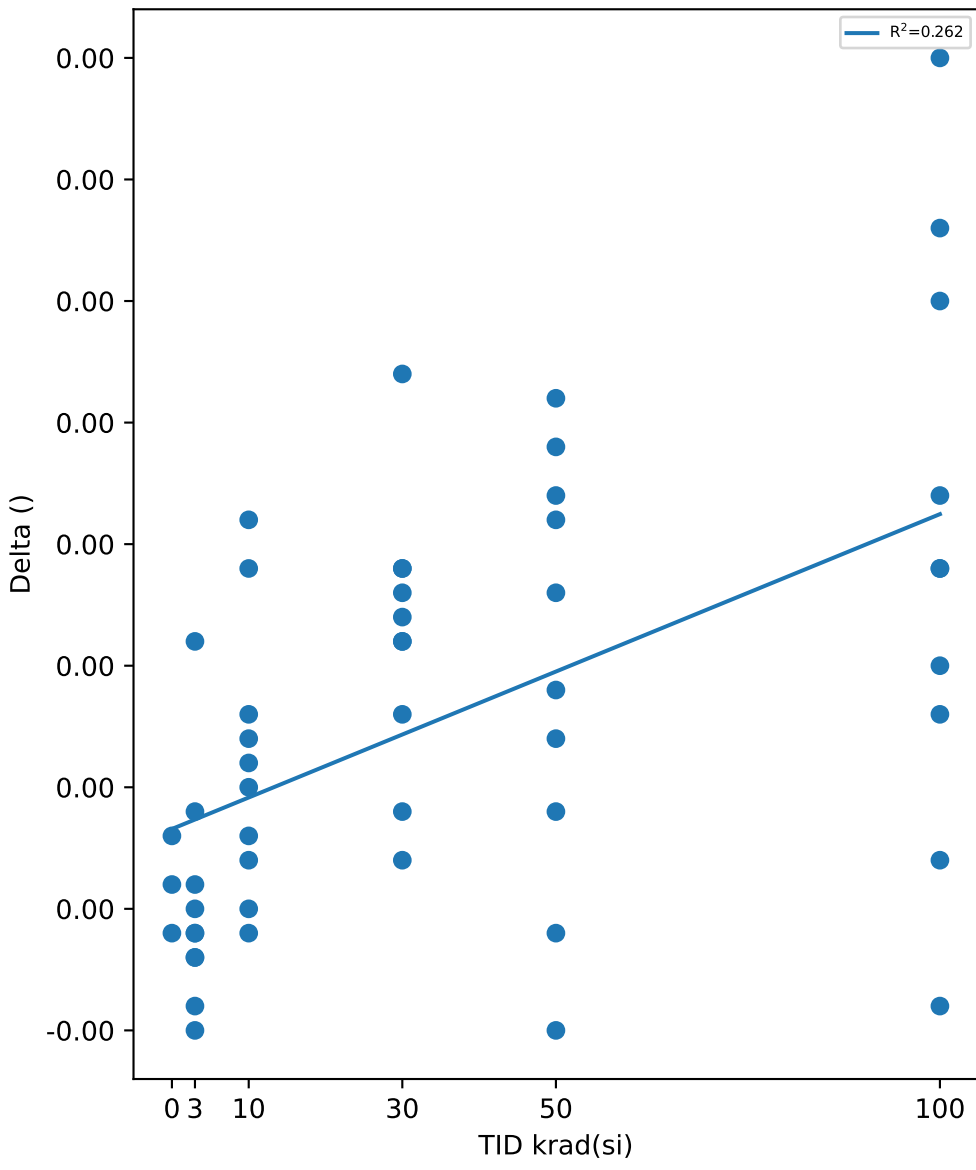
TID vs Result Stats



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

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

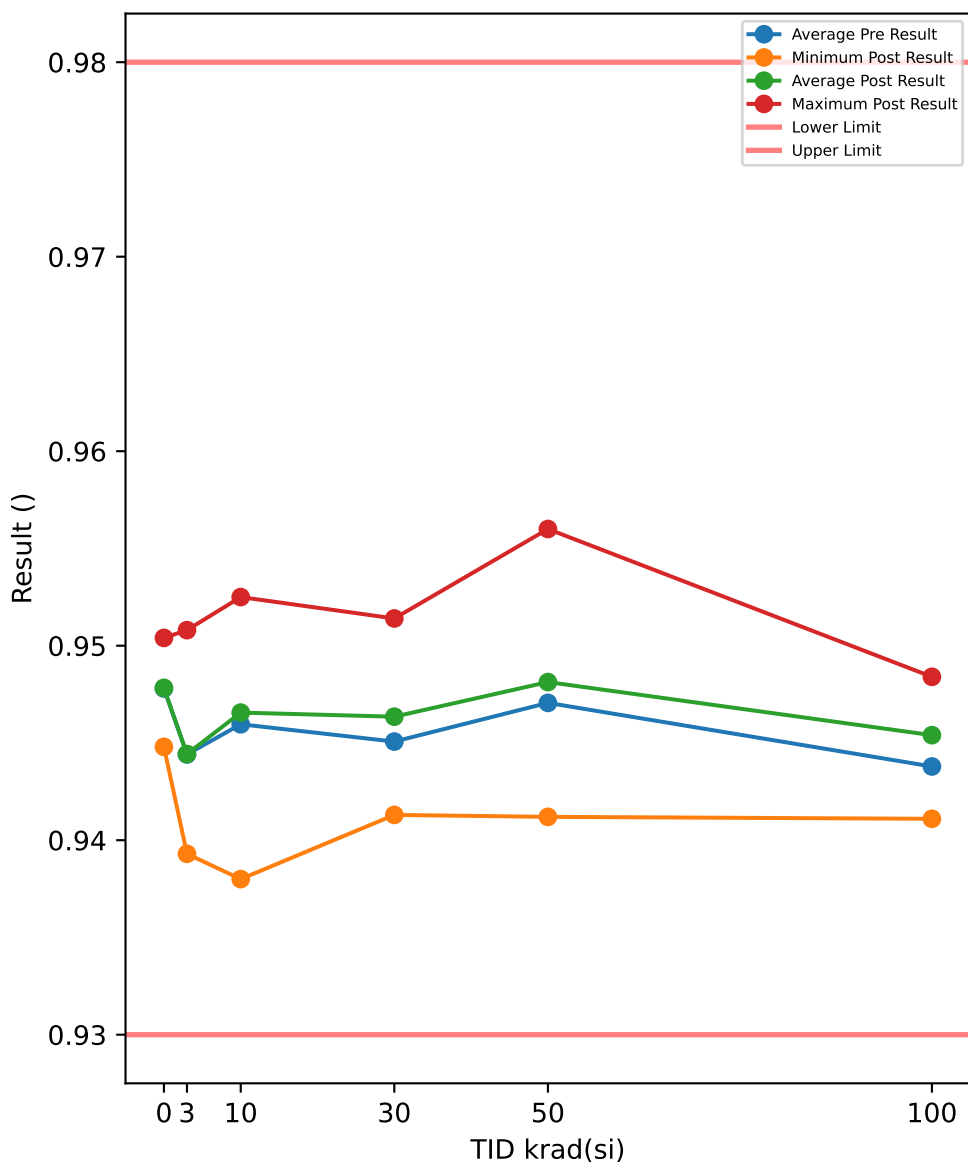
TID vs Post - Pre Exposure Delta



Test Statistics (V)

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	0.9137	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

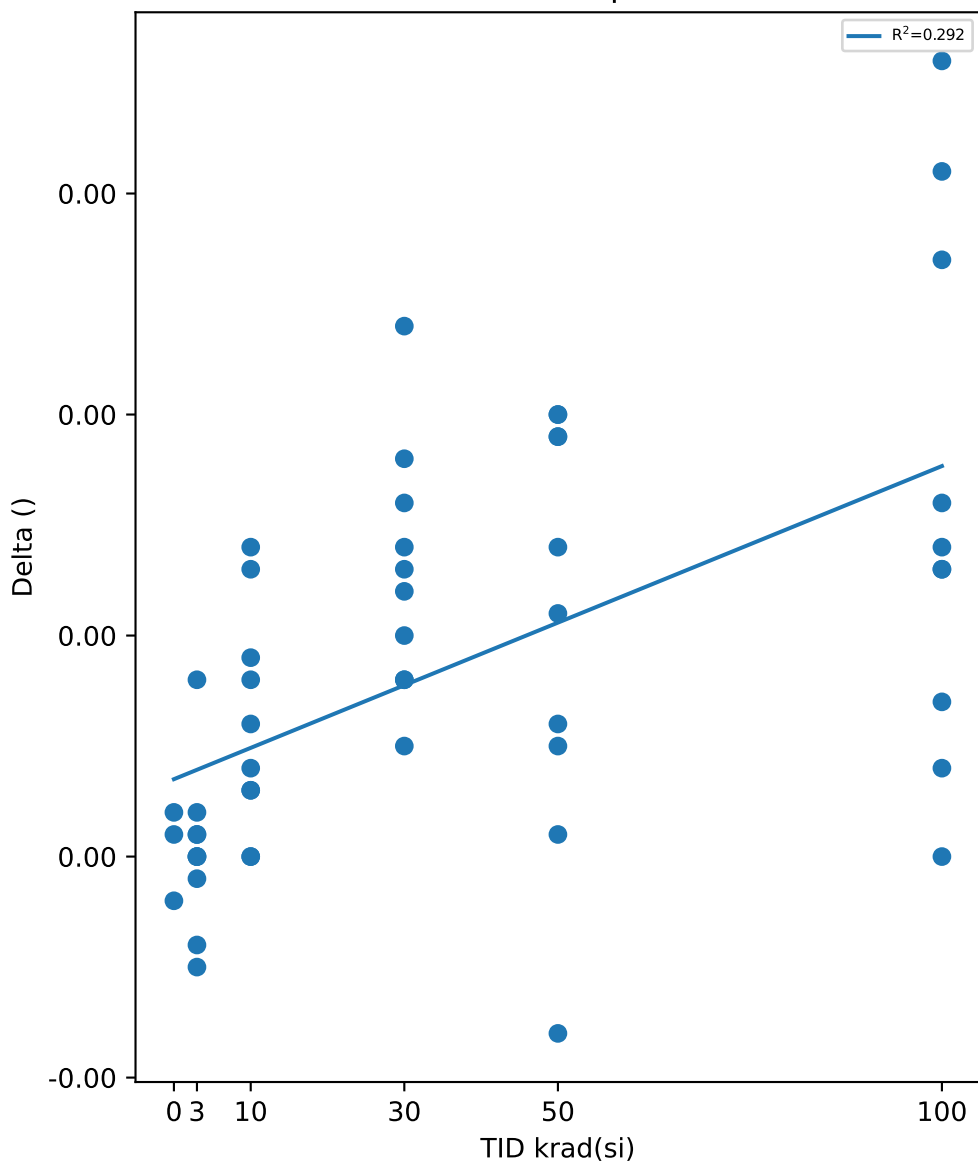
TID vs Result Stats



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

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

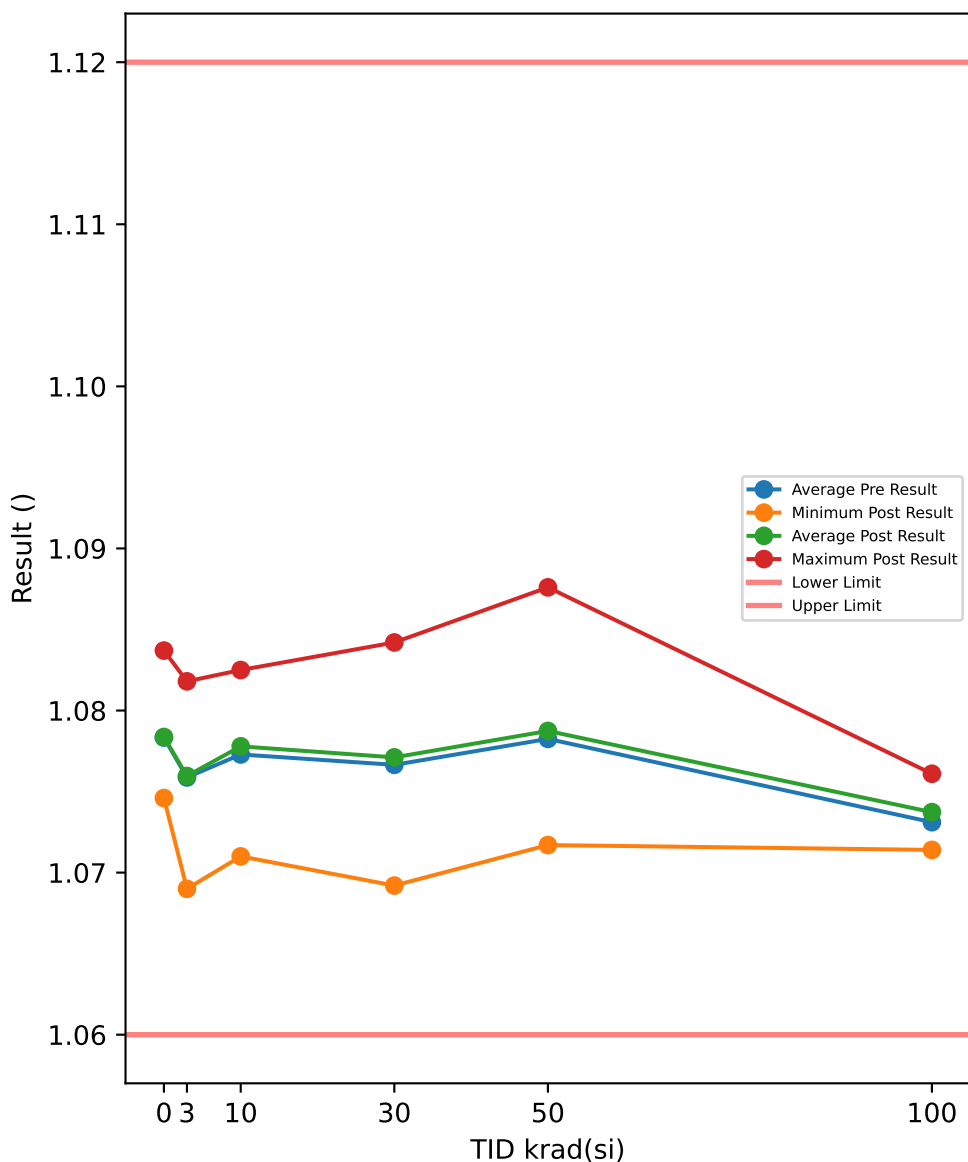
TID vs Post - Pre Exposure Delta



Test Statistics (V)

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	0.9446	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

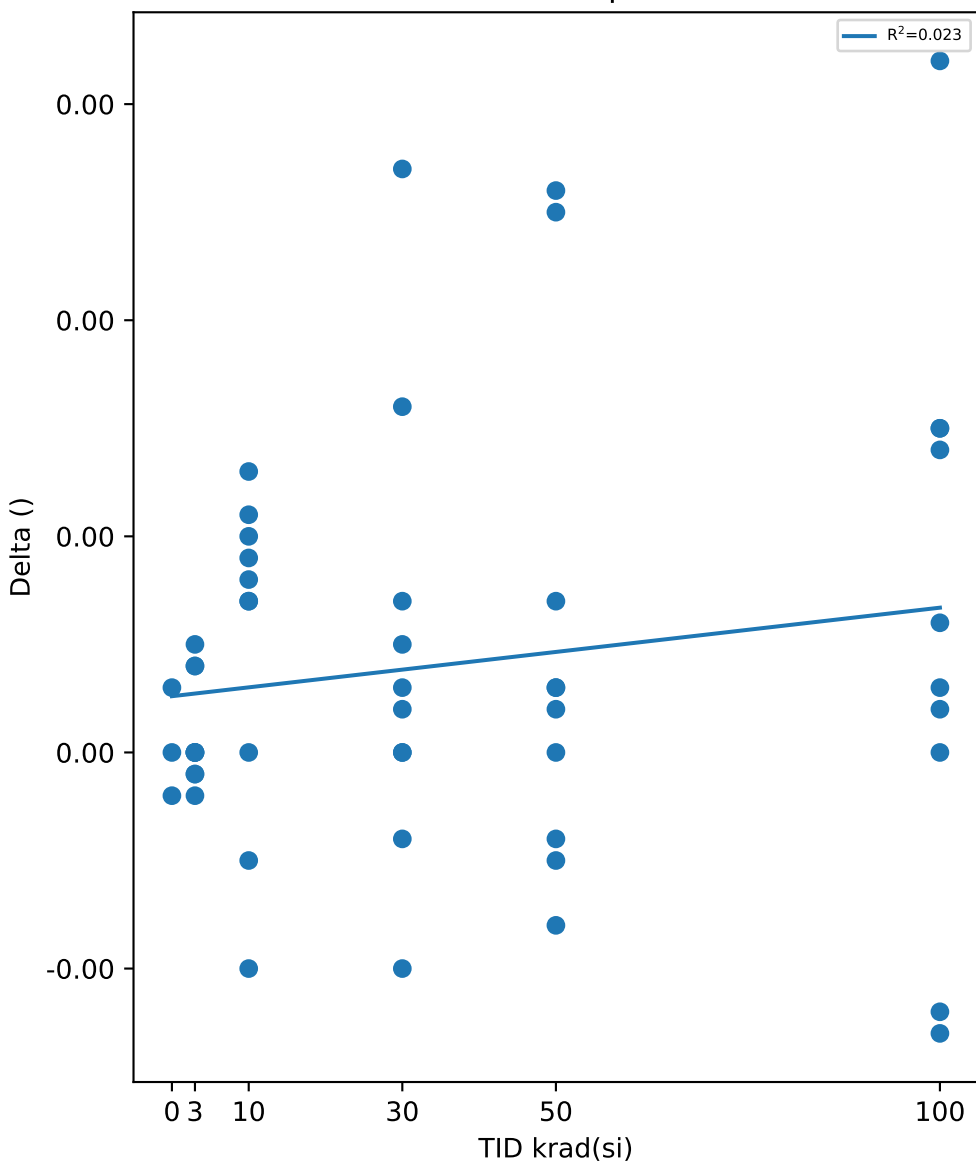
TID vs Result Stats



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

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

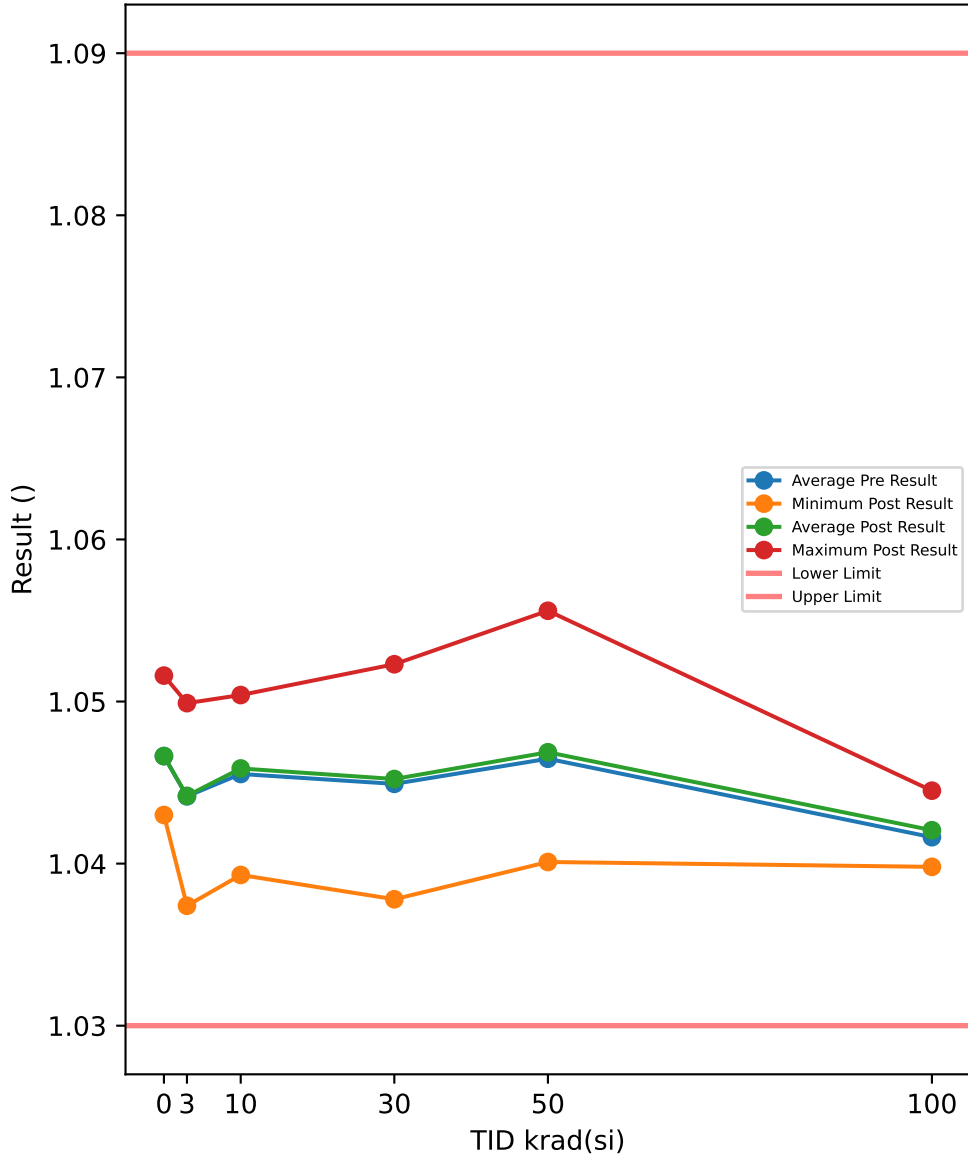
TID vs Post - Pre Exposure Delta



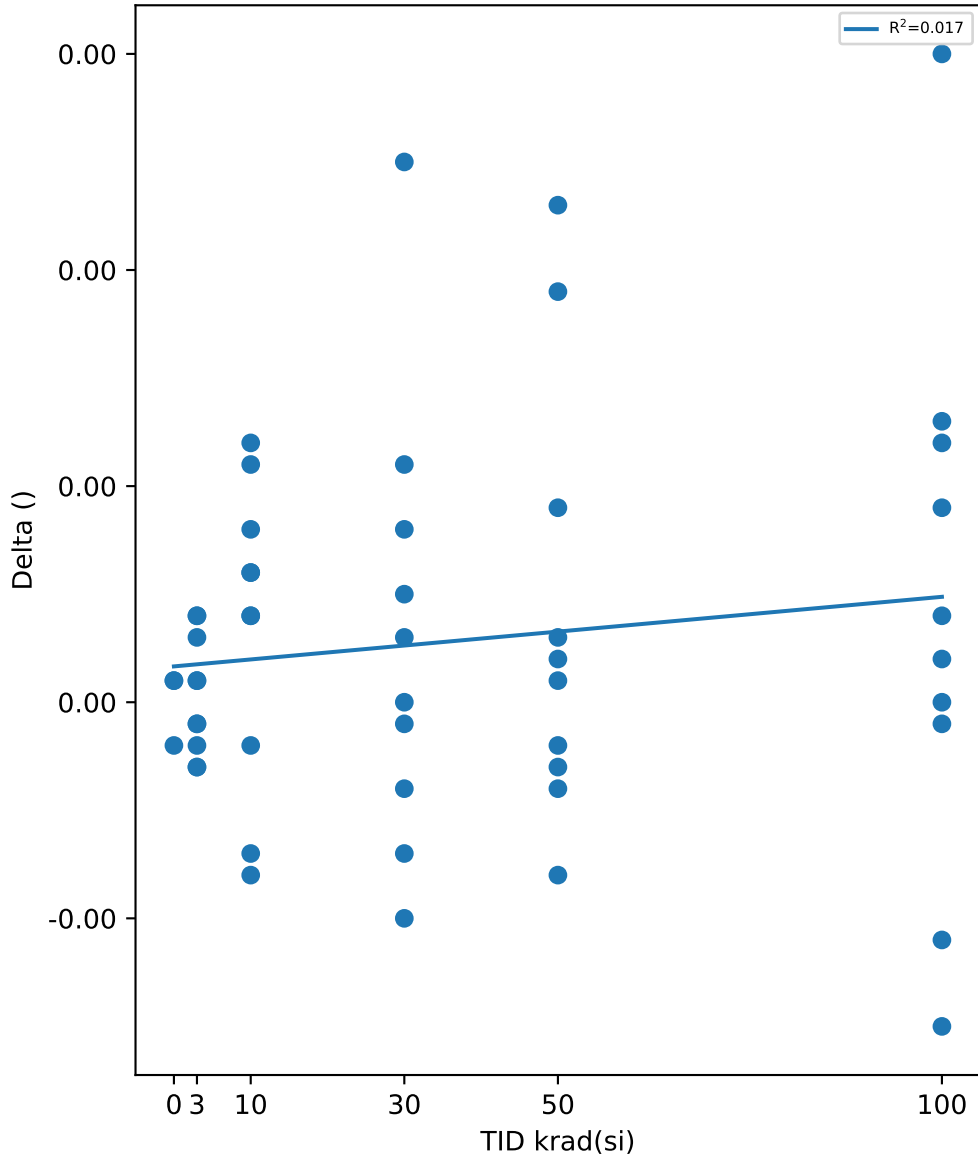
Test Statistics (V)

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	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

TID vs Result Stats



TID vs Post - Pre Exposure Delta



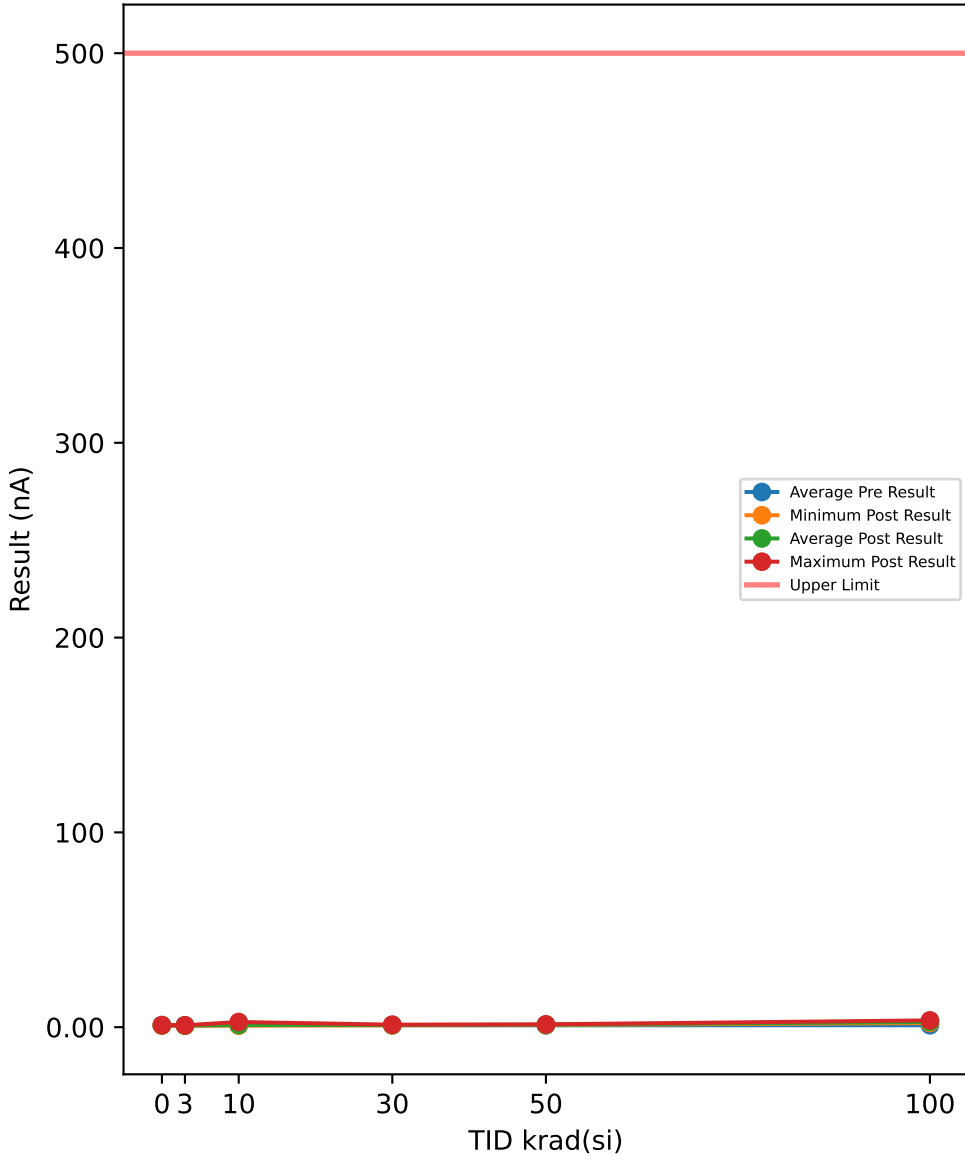
Test Results (Lower Limit = 1.03, Upper Limit = 1.09 (V))

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 (V)

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	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

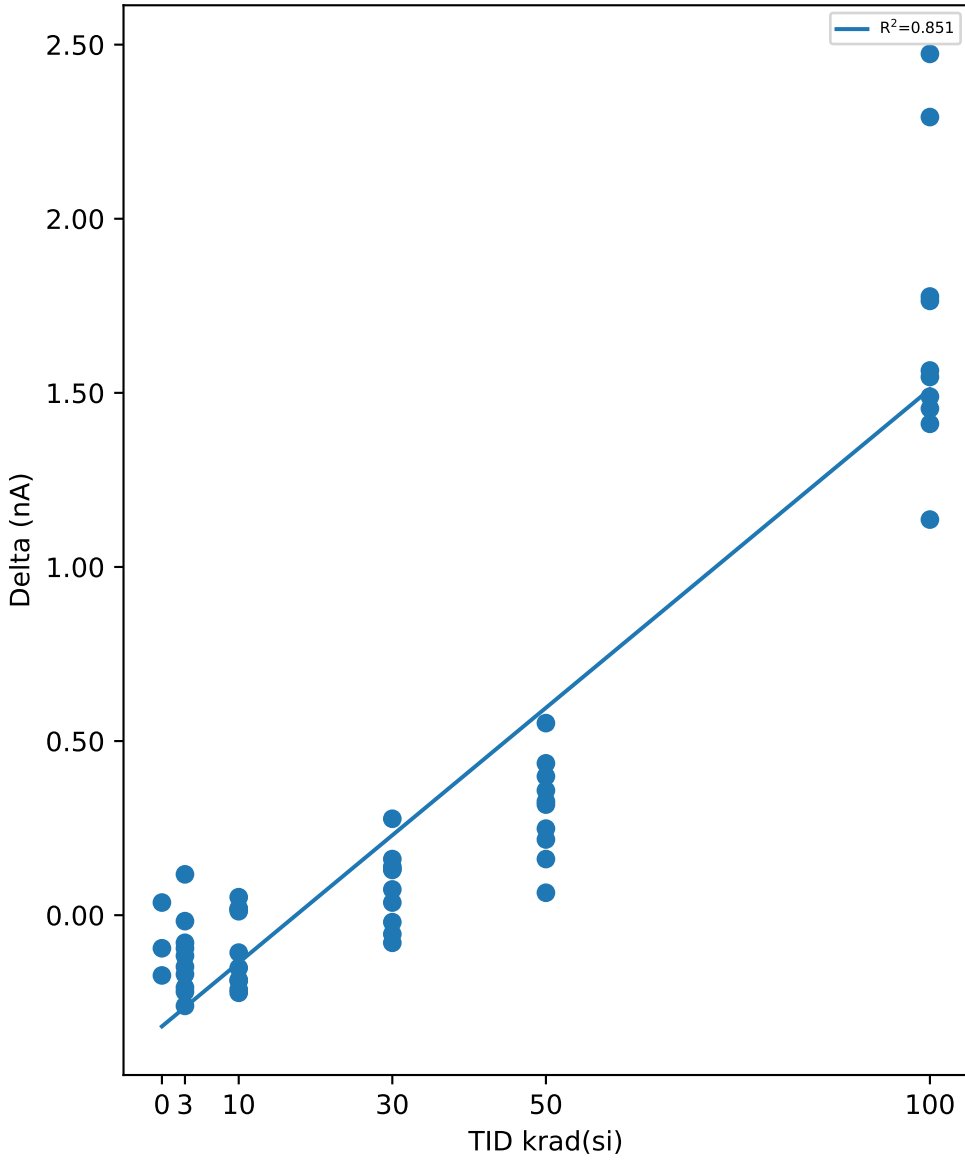
TID vs Result Stats



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

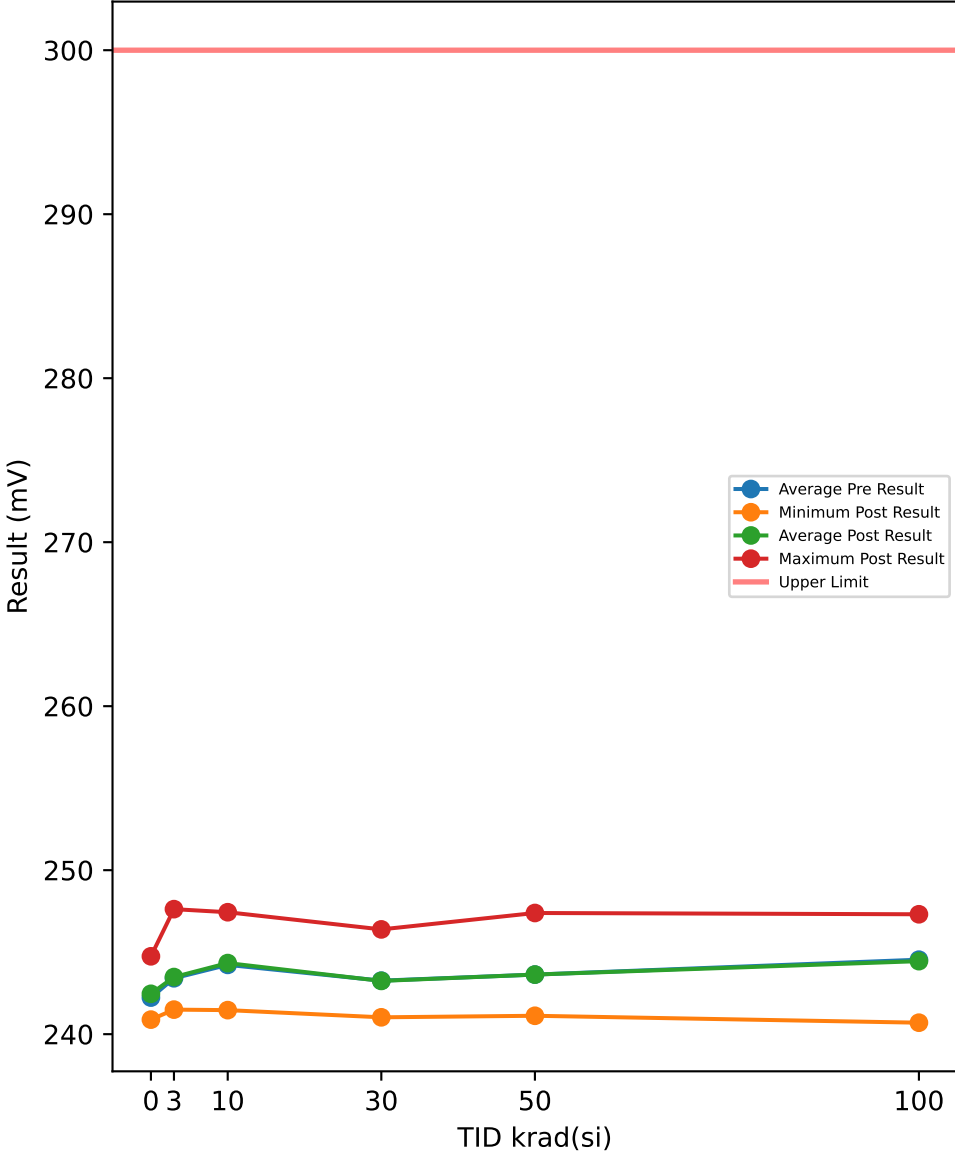
TID vs Post - Pre Exposure Delta



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

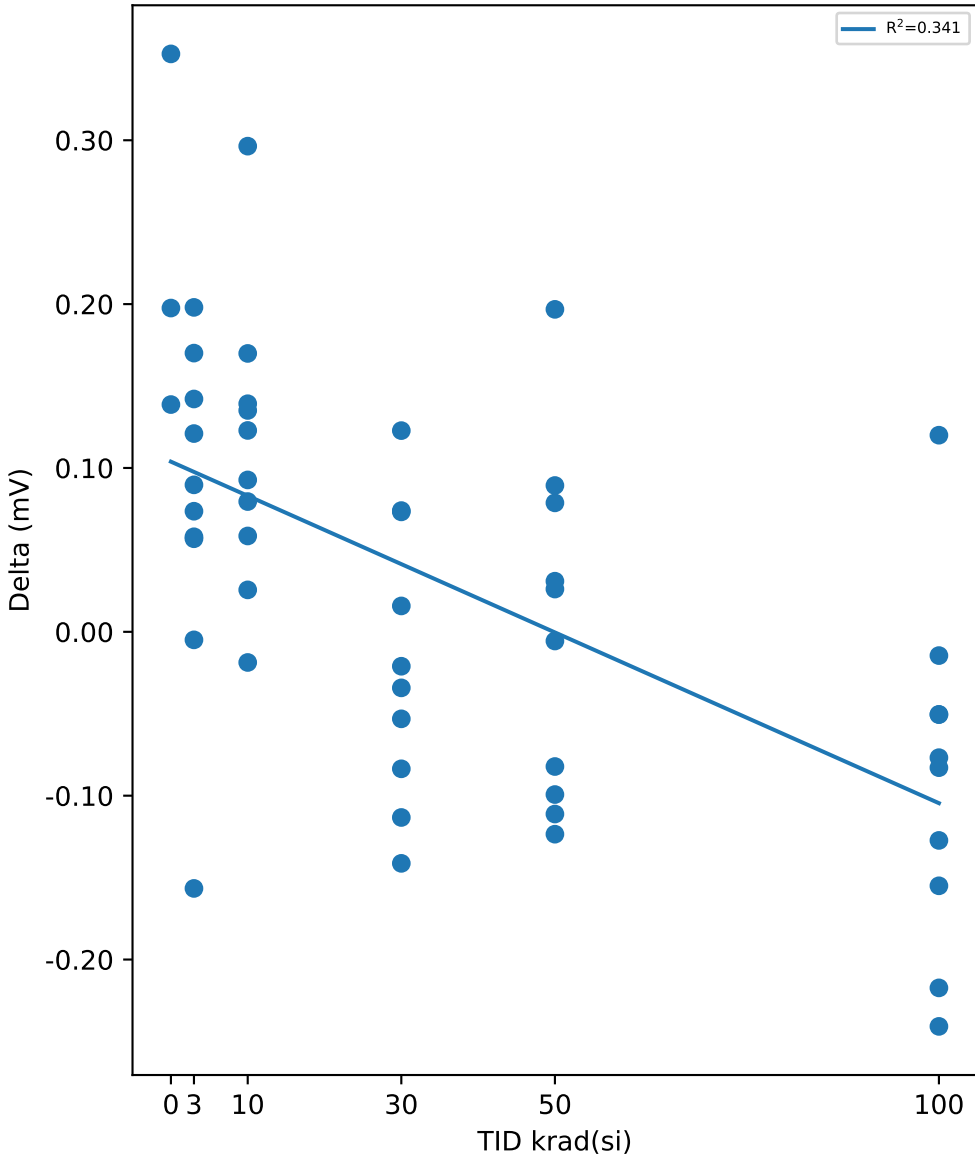
TID vs Result Stats



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

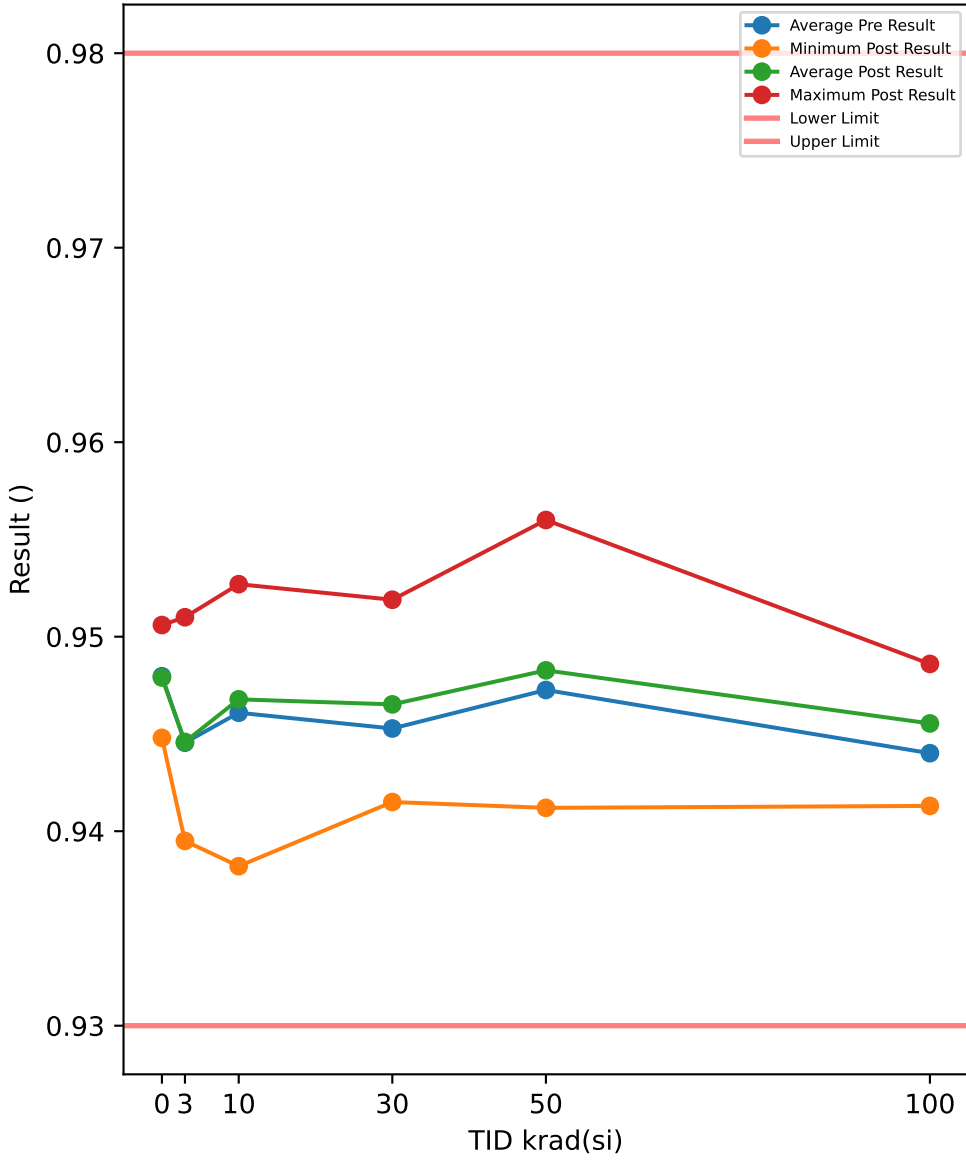
TID vs Post - Pre Exposure Delta



Test Statistics (mV)

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	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

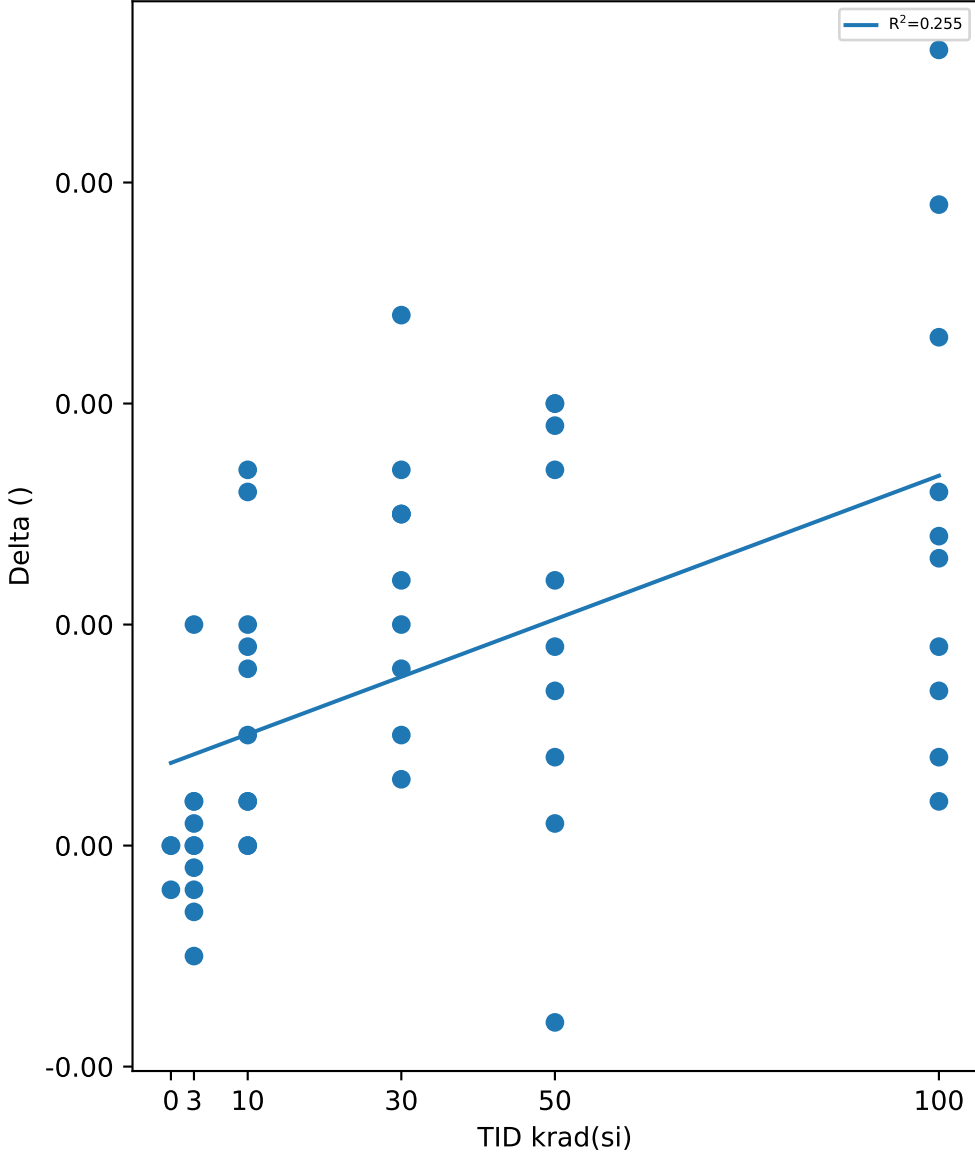
TID vs Result Stats



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

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

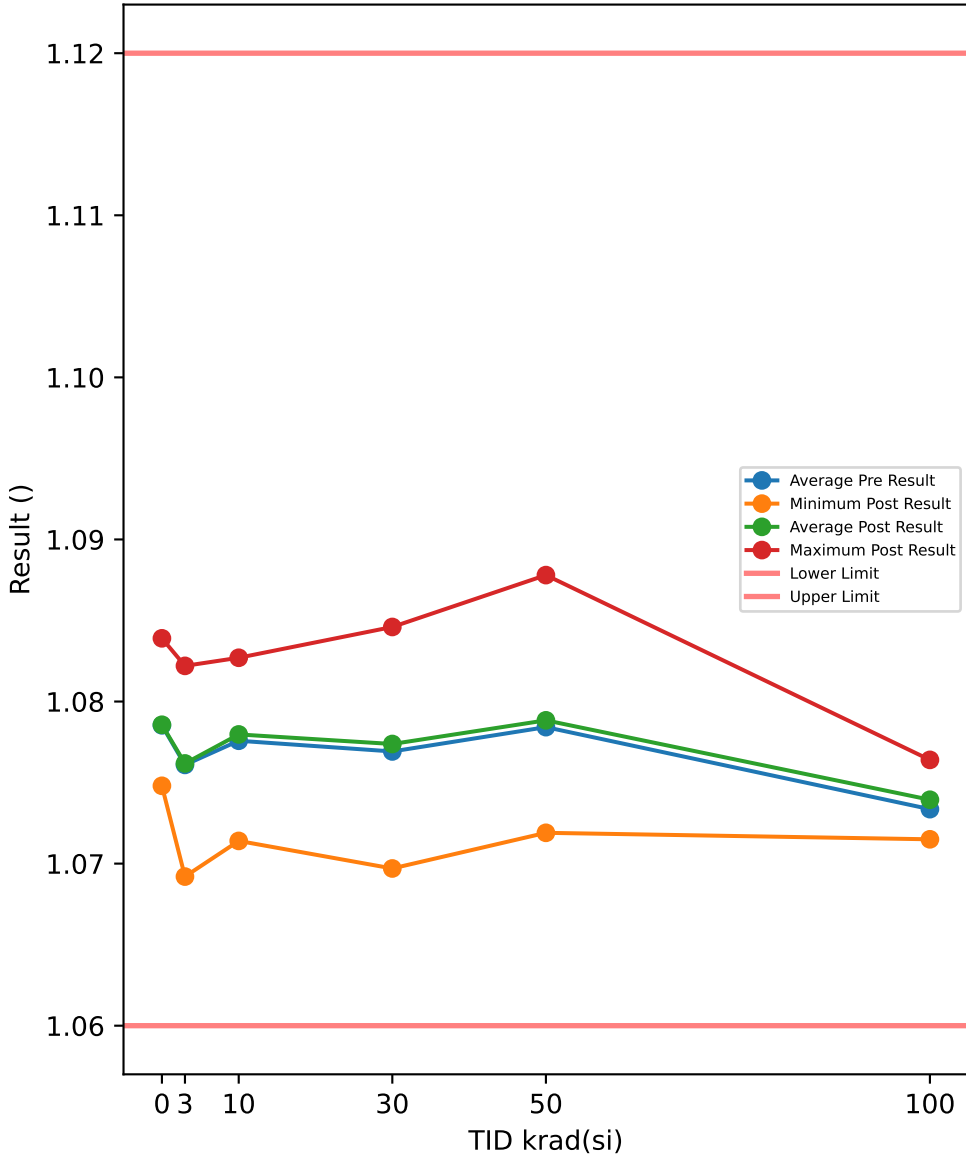
TID vs Post - Pre Exposure Delta



Test Statistics (V)

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	0.9448	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

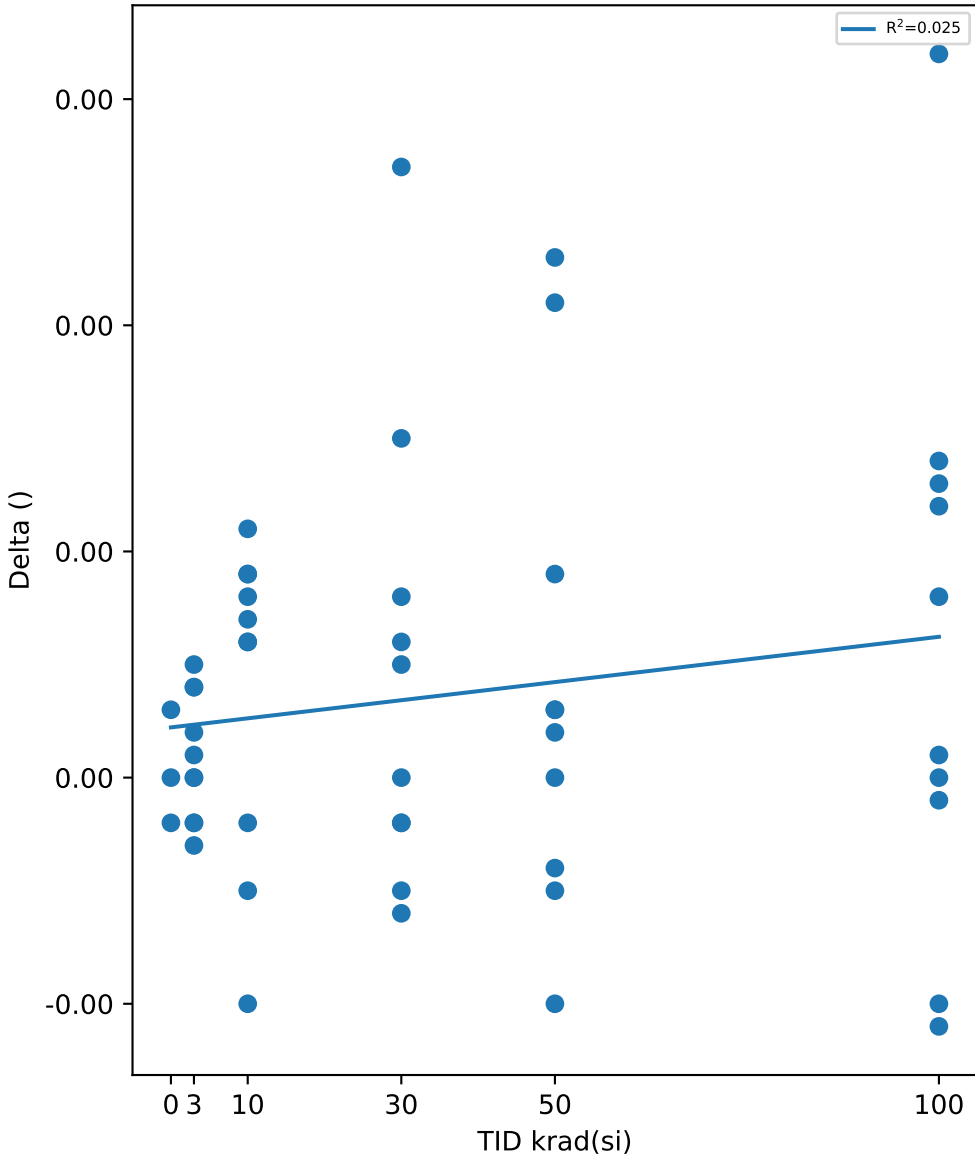
TID vs Result Stats



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

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

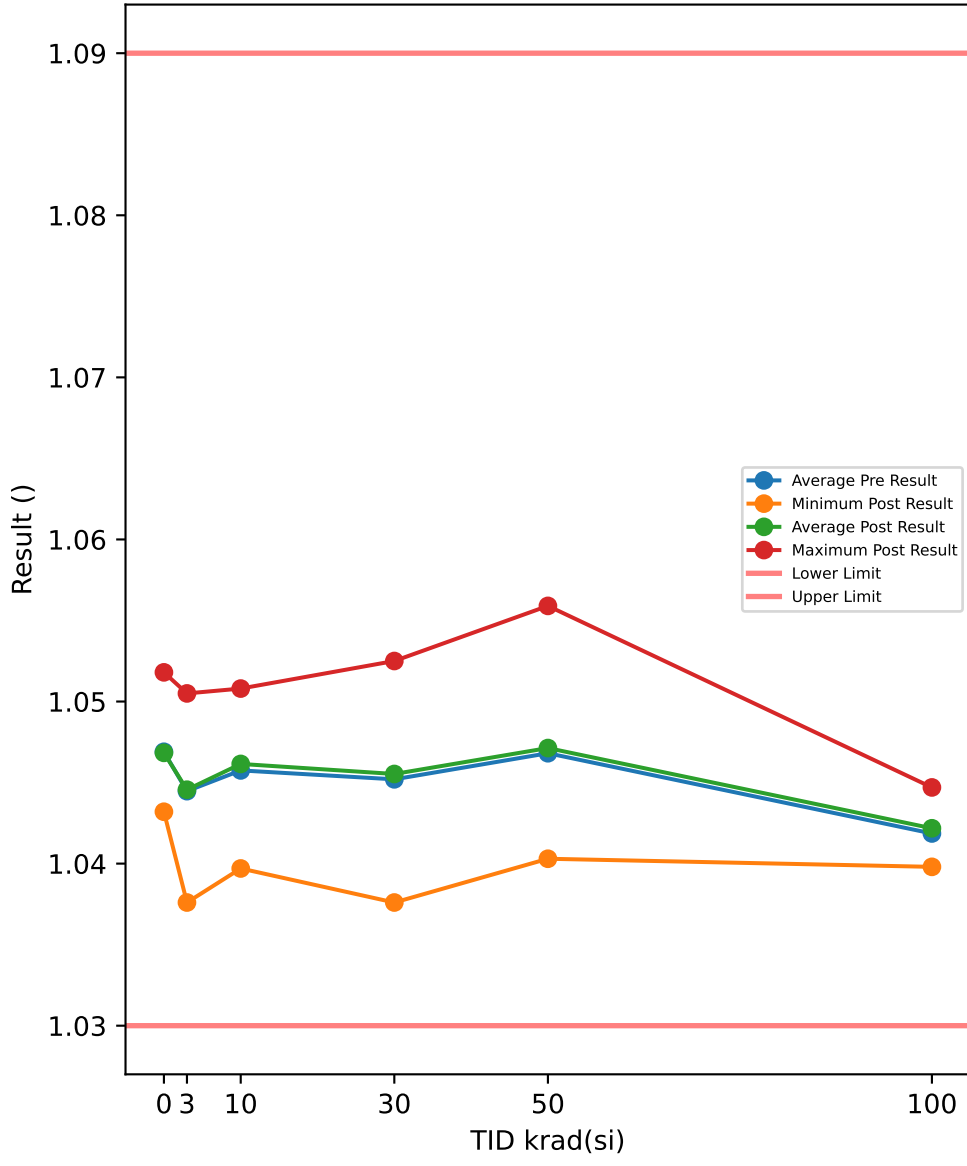
TID vs Post - Pre Exposure Delta



Test Statistics (V)

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	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

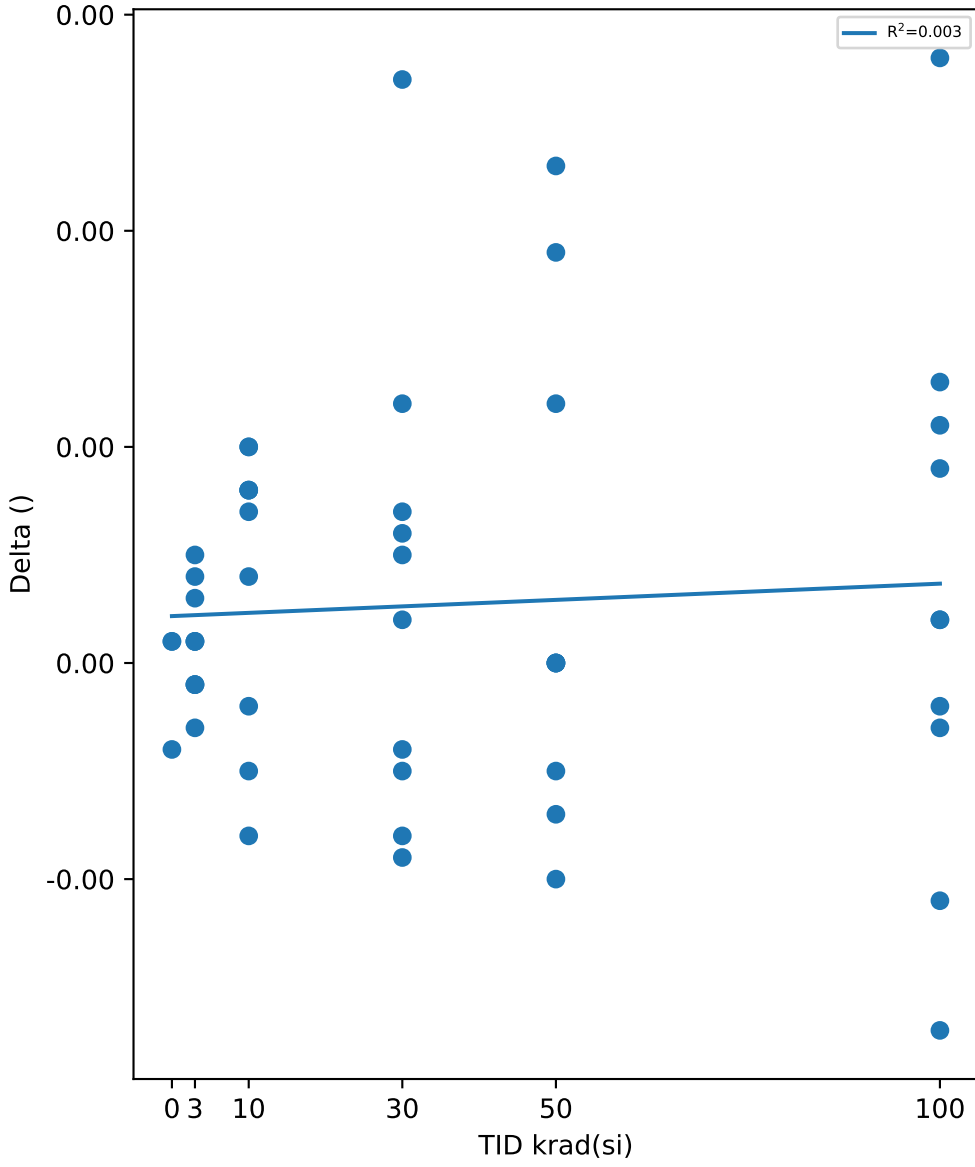
TID vs Result Stats



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

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

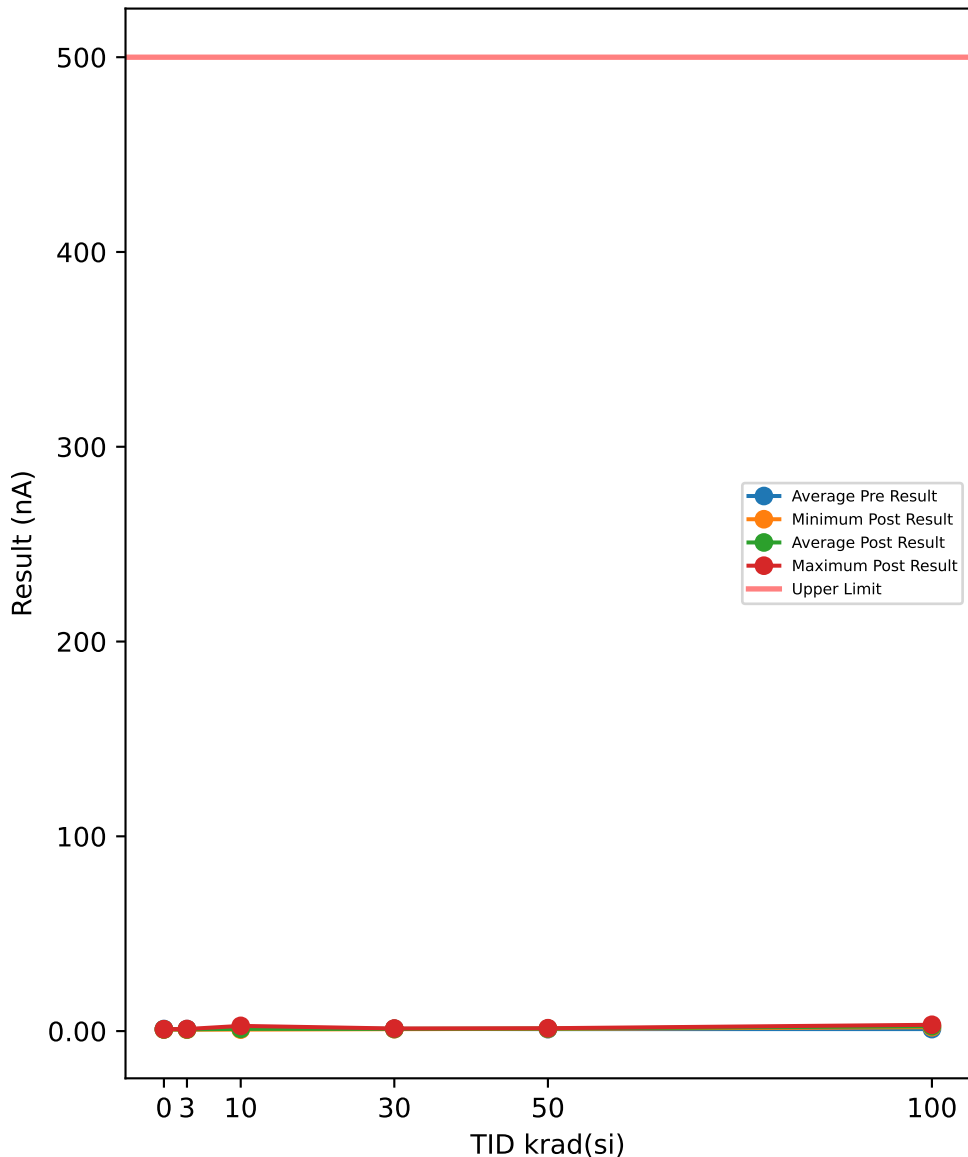
TID vs Post - Pre Exposure Delta



Test Statistics (V)

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	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

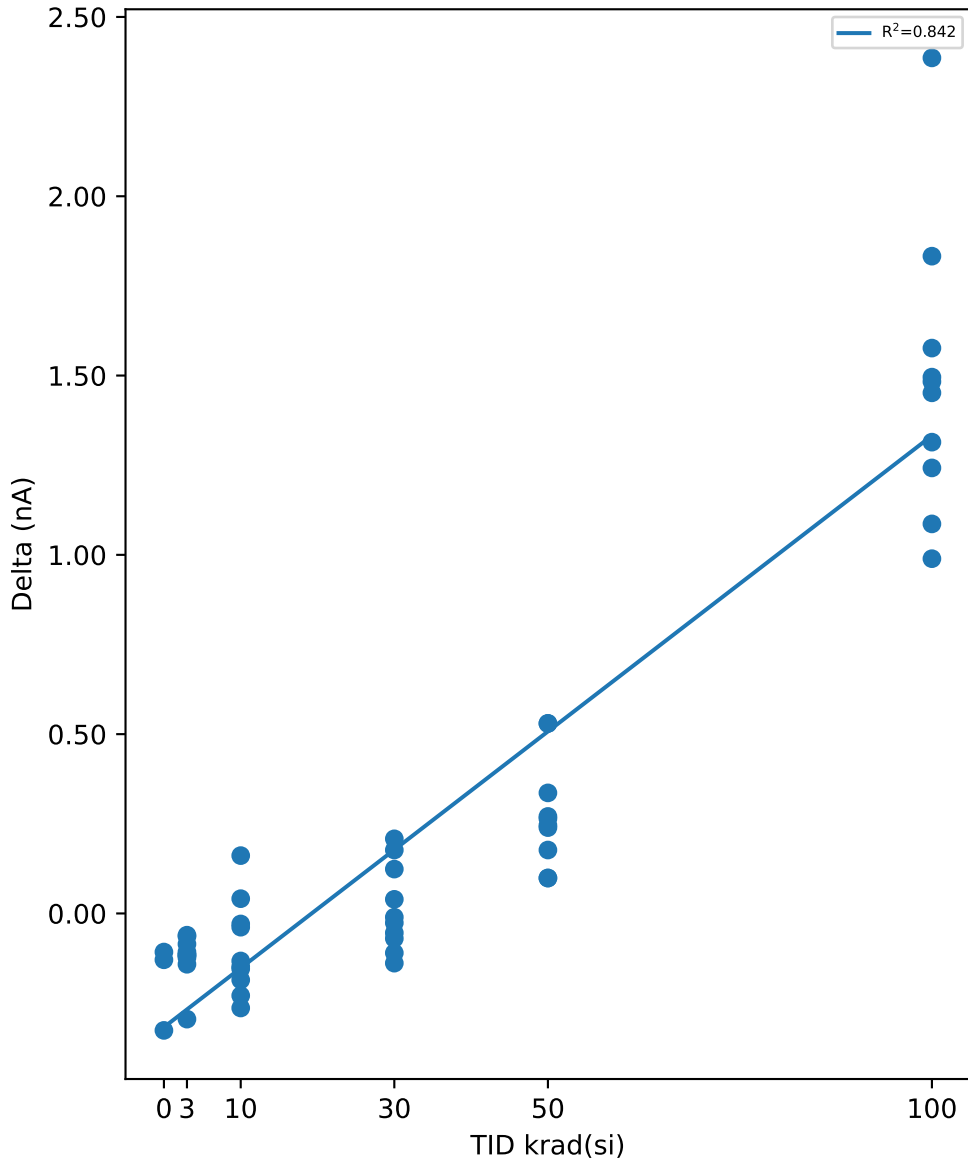
TID vs Result Stats



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

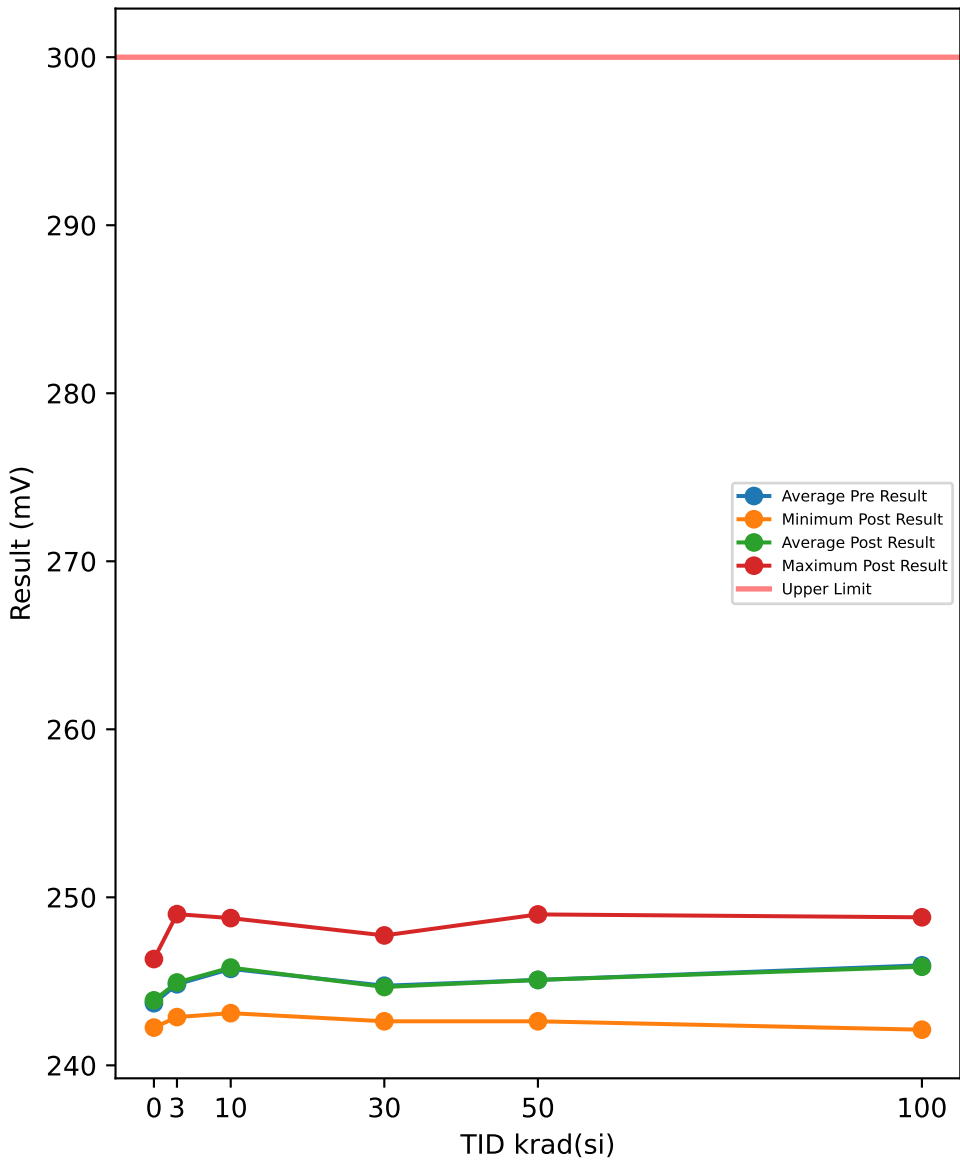
TID vs Post - Pre Exposure Delta



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

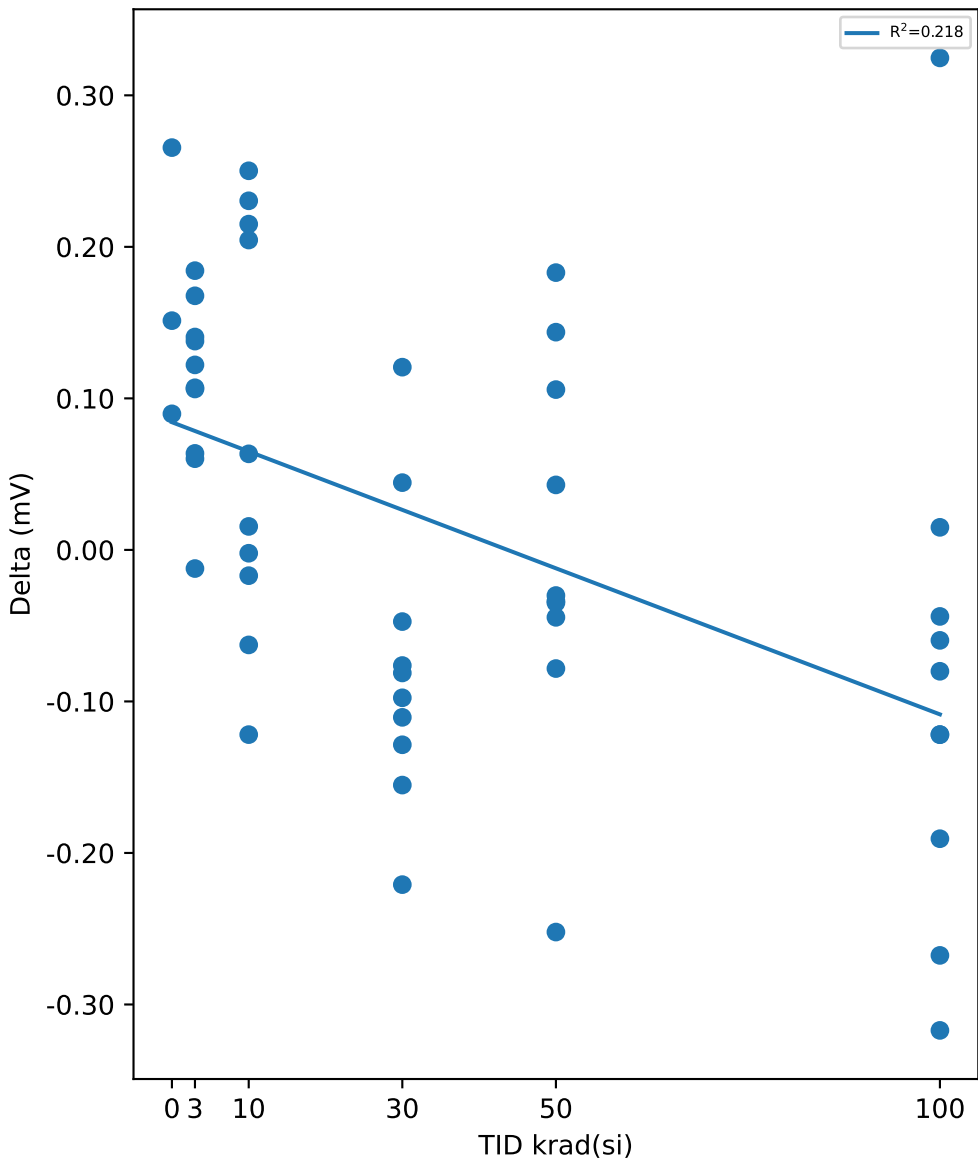
TID vs Result Stats



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

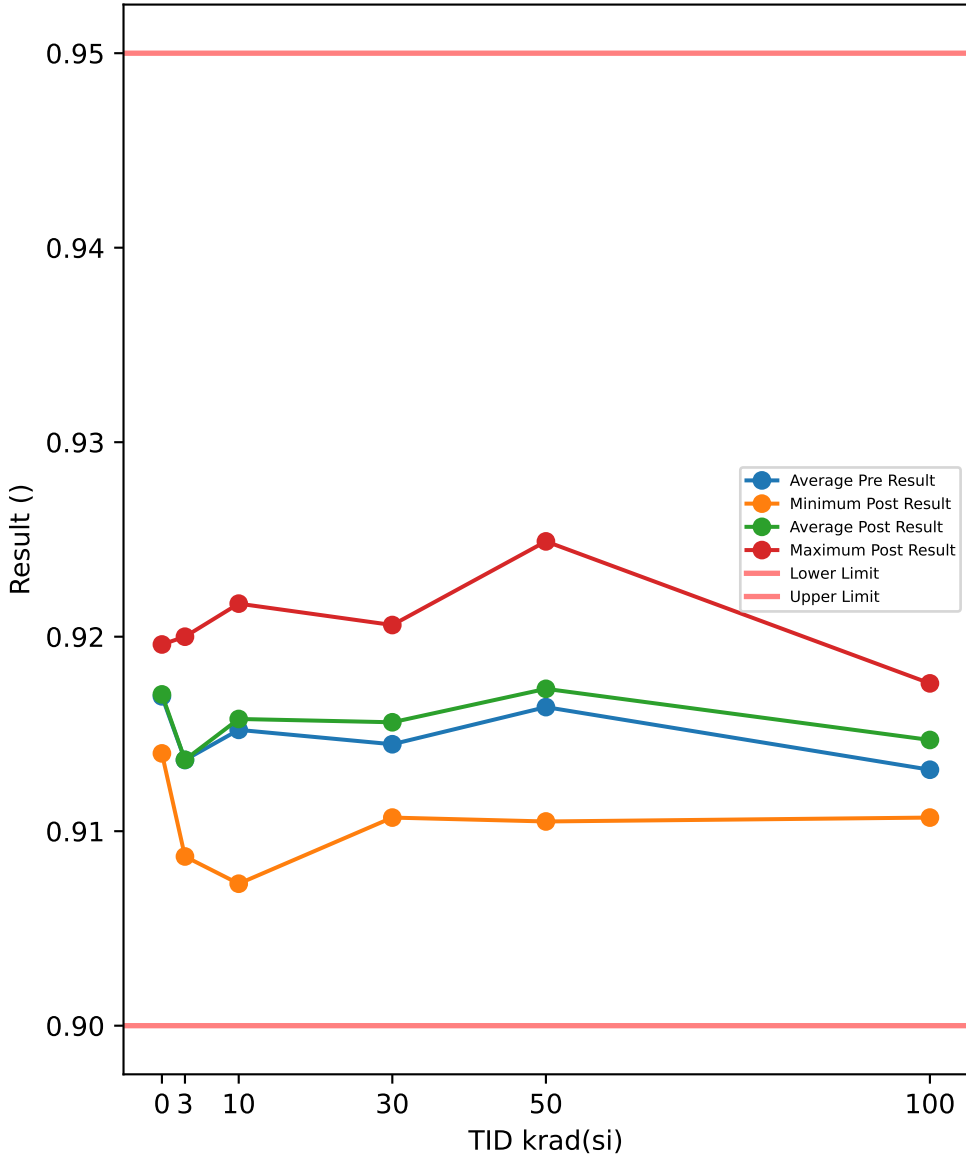
TID vs Post - Pre Exposure Delta



Test Statistics (mV)

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	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

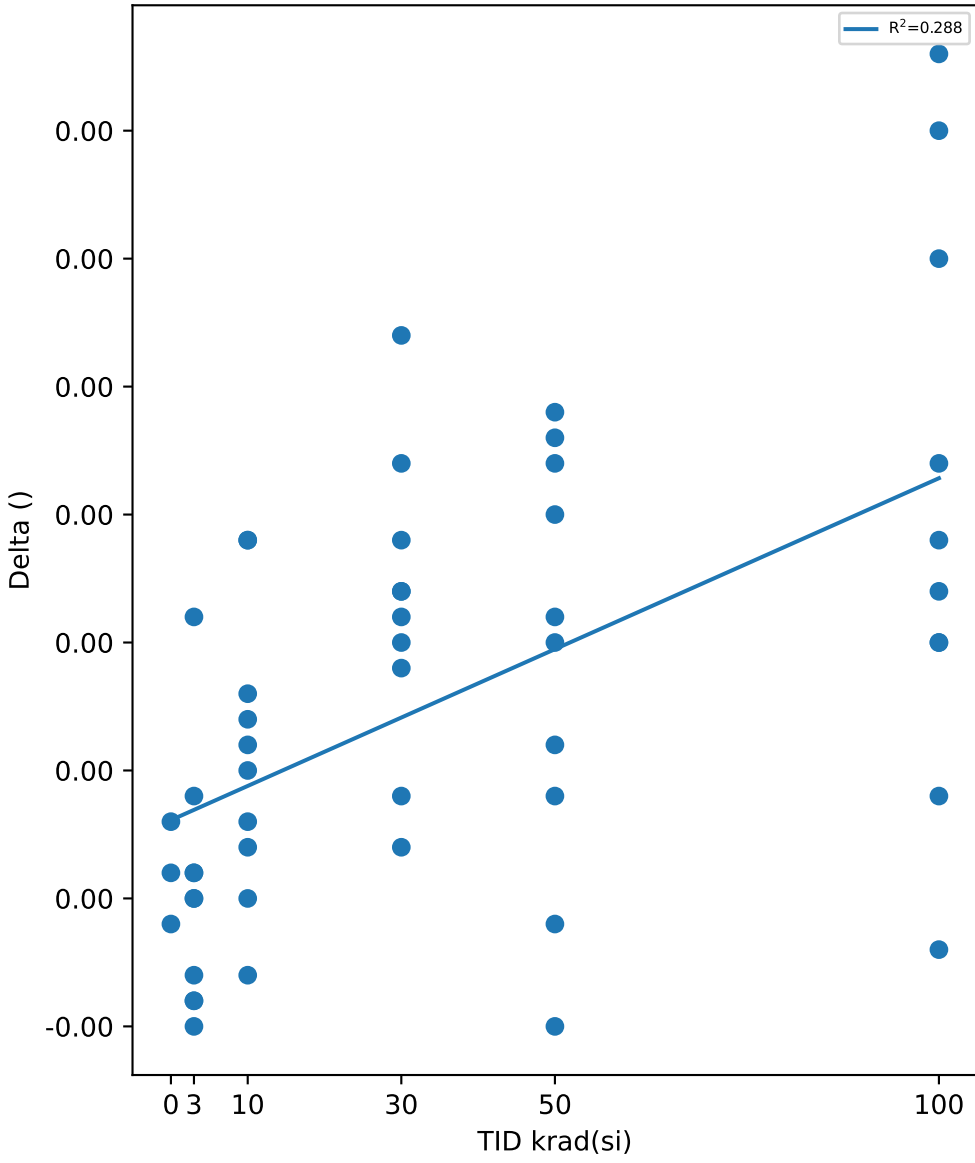
TID vs Result Stats



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

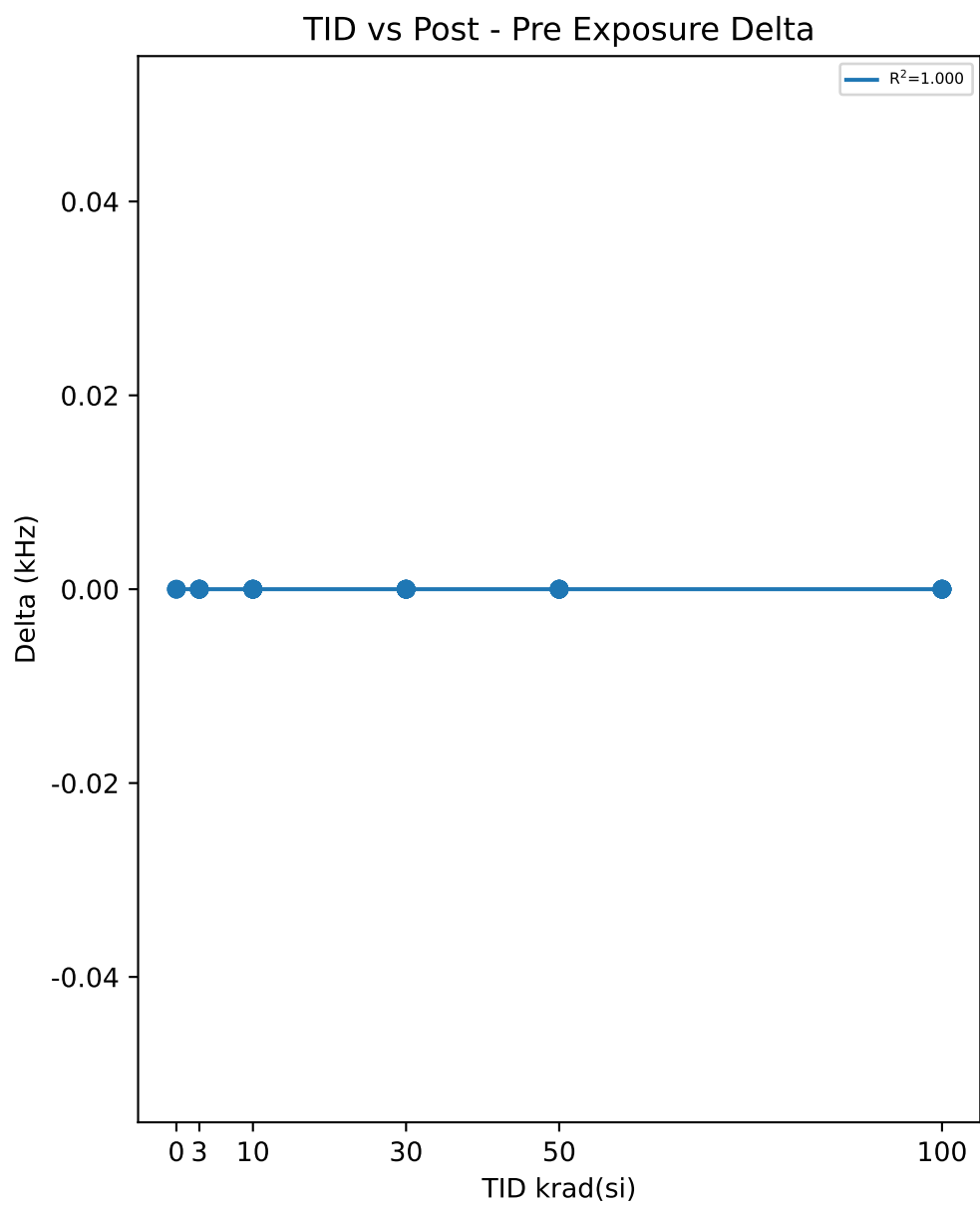
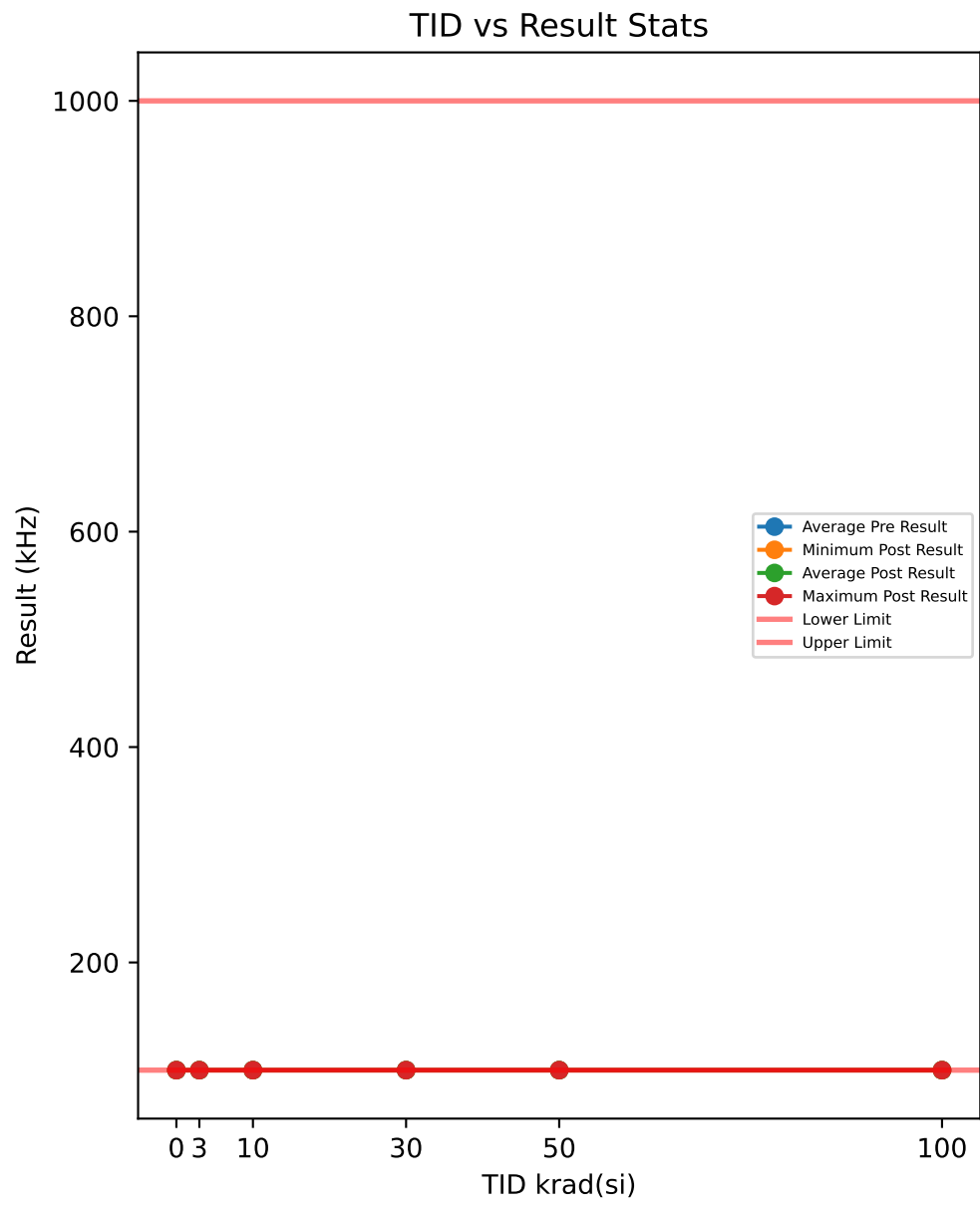
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
390	100	Biased	0.909	0.9107	0.0017
392	100	Biased	0.9122	0.9132	0.001
393	100	Biased	0.909	0.9123	0.0033
394	100	Biased	0.9162	0.916	-0.0002
395	100	Biased	0.9142	0.9154	0.0012
412	100	Unbiased	0.9158	0.9168	0.001
413	100	Unbiased	0.9143	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

TID vs Post - Pre Exposure Delta



Test Statistics (V)

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	0.9137	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



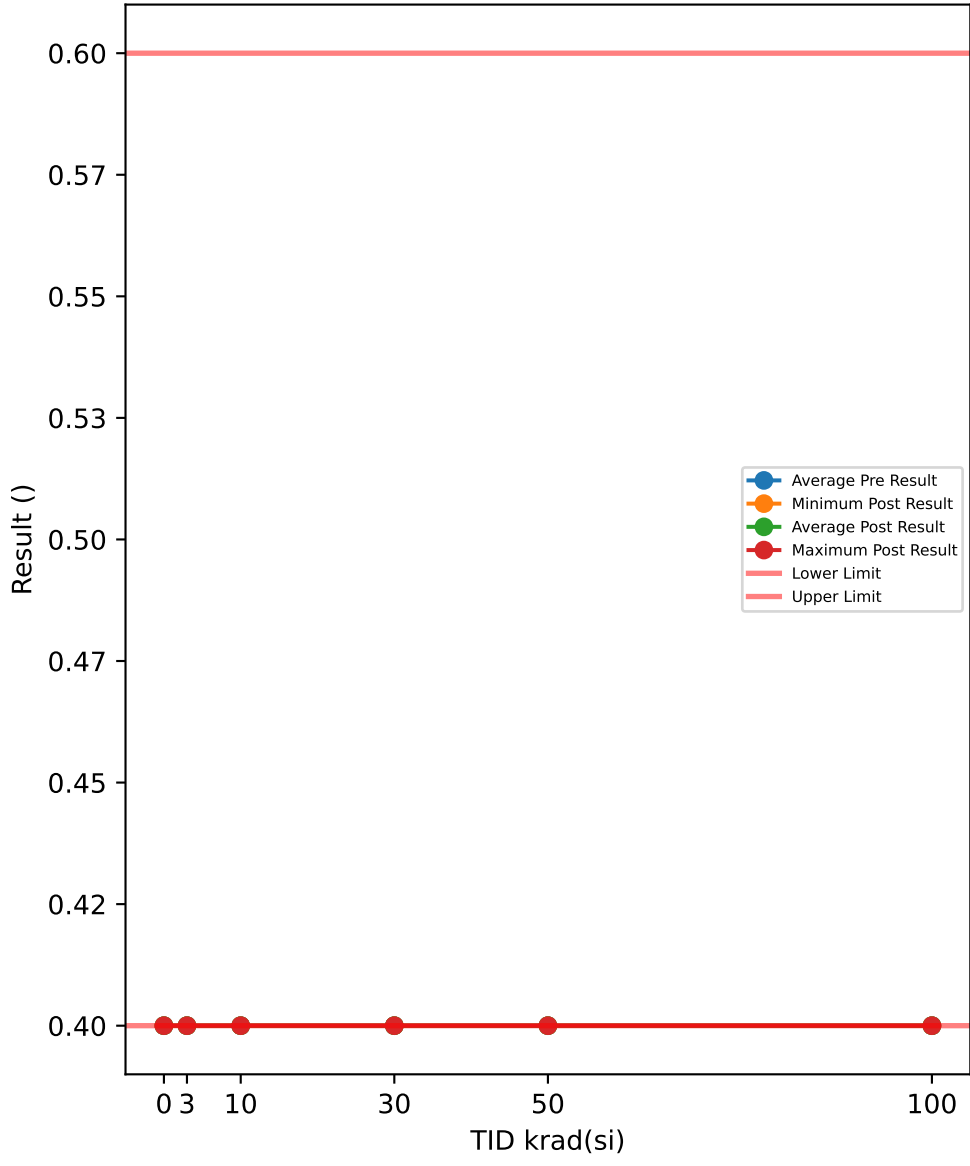
Test Results (Lower Limit = 100.0, Upper Limit = 1000.0 (kHz))

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

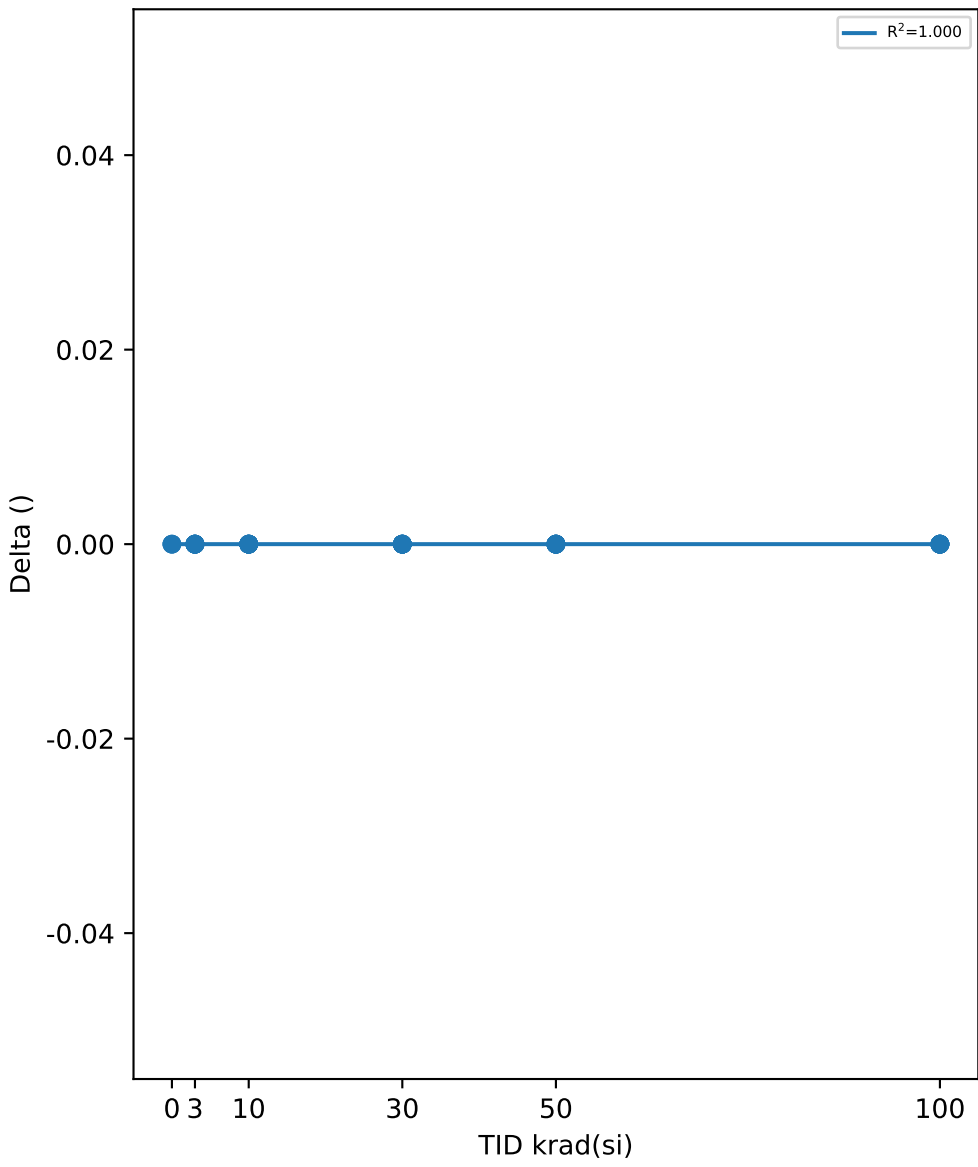
TID vs Result Stats



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

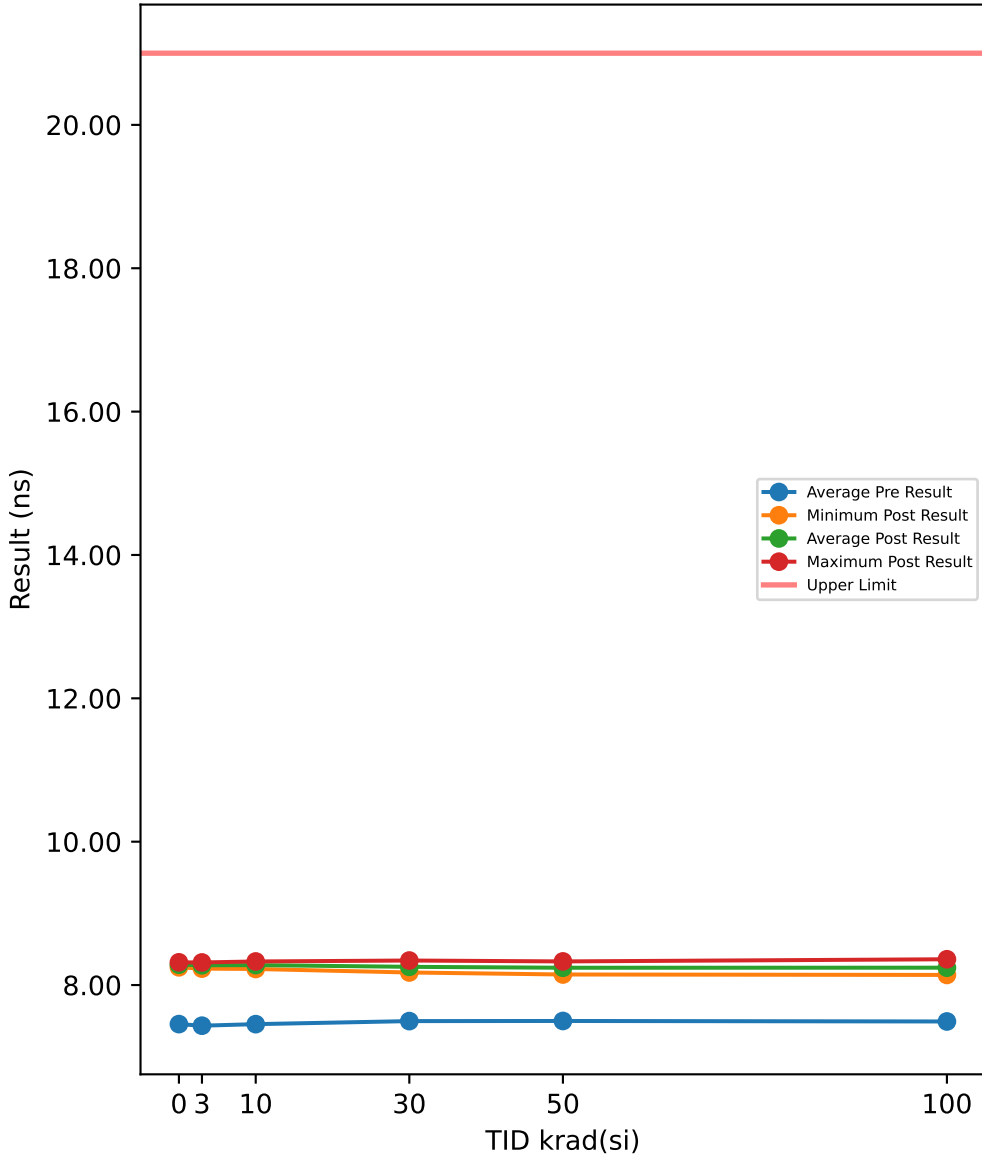
TID vs Post - Pre Exposure Delta



Test Statistics ()

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	0.4	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

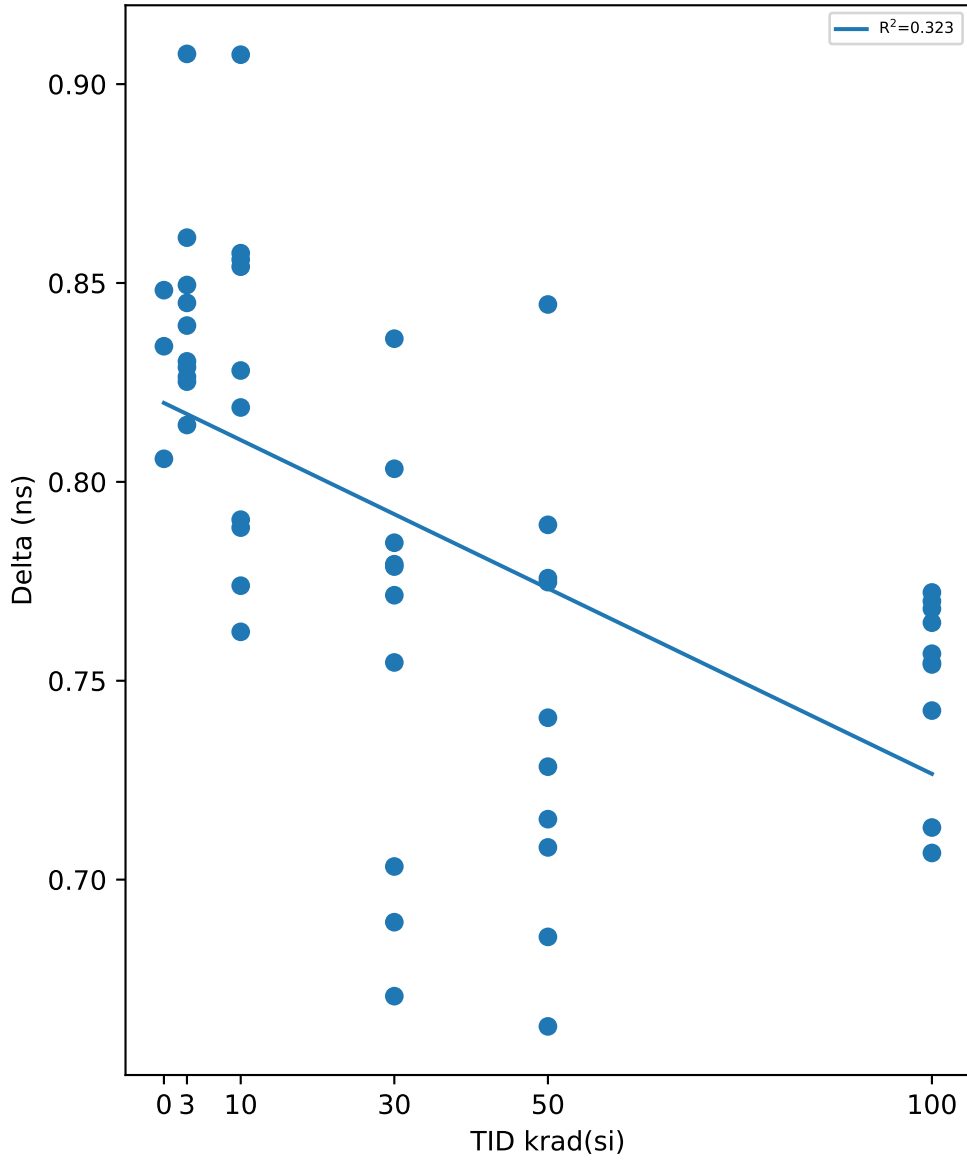
TID vs Result Stats



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

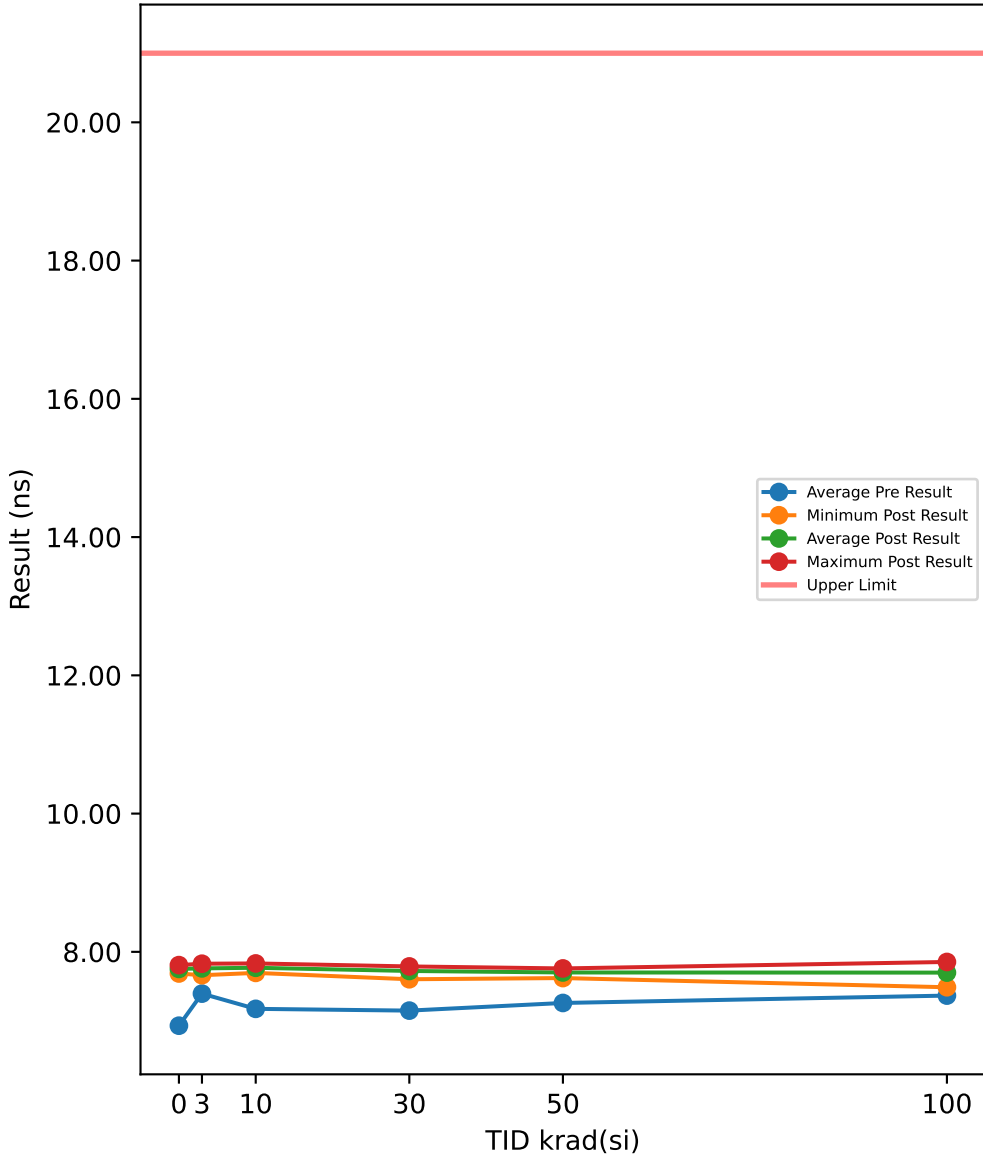
TID vs Post - Pre Exposure Delta



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

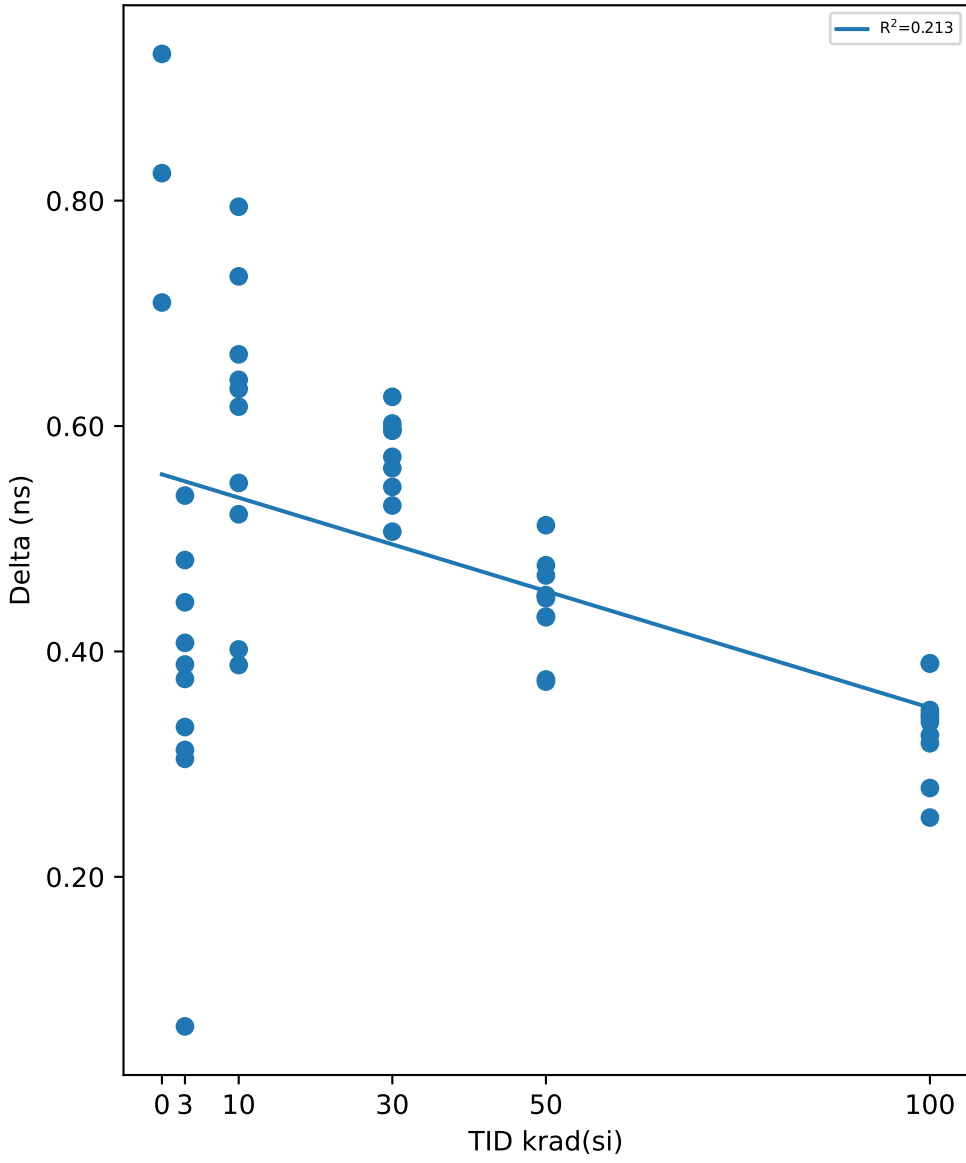
TID vs Result Stats



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

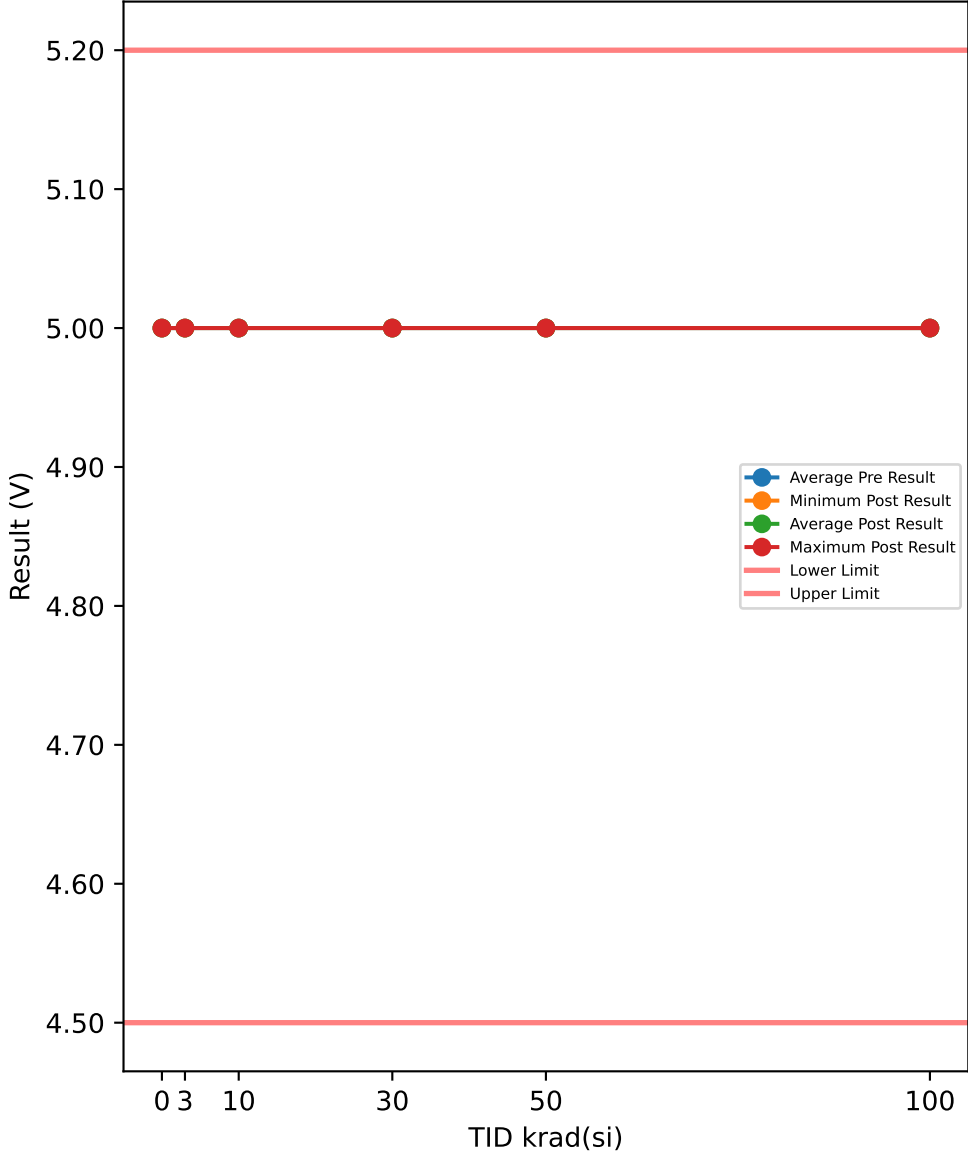
TID vs Post - Pre Exposure Delta



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

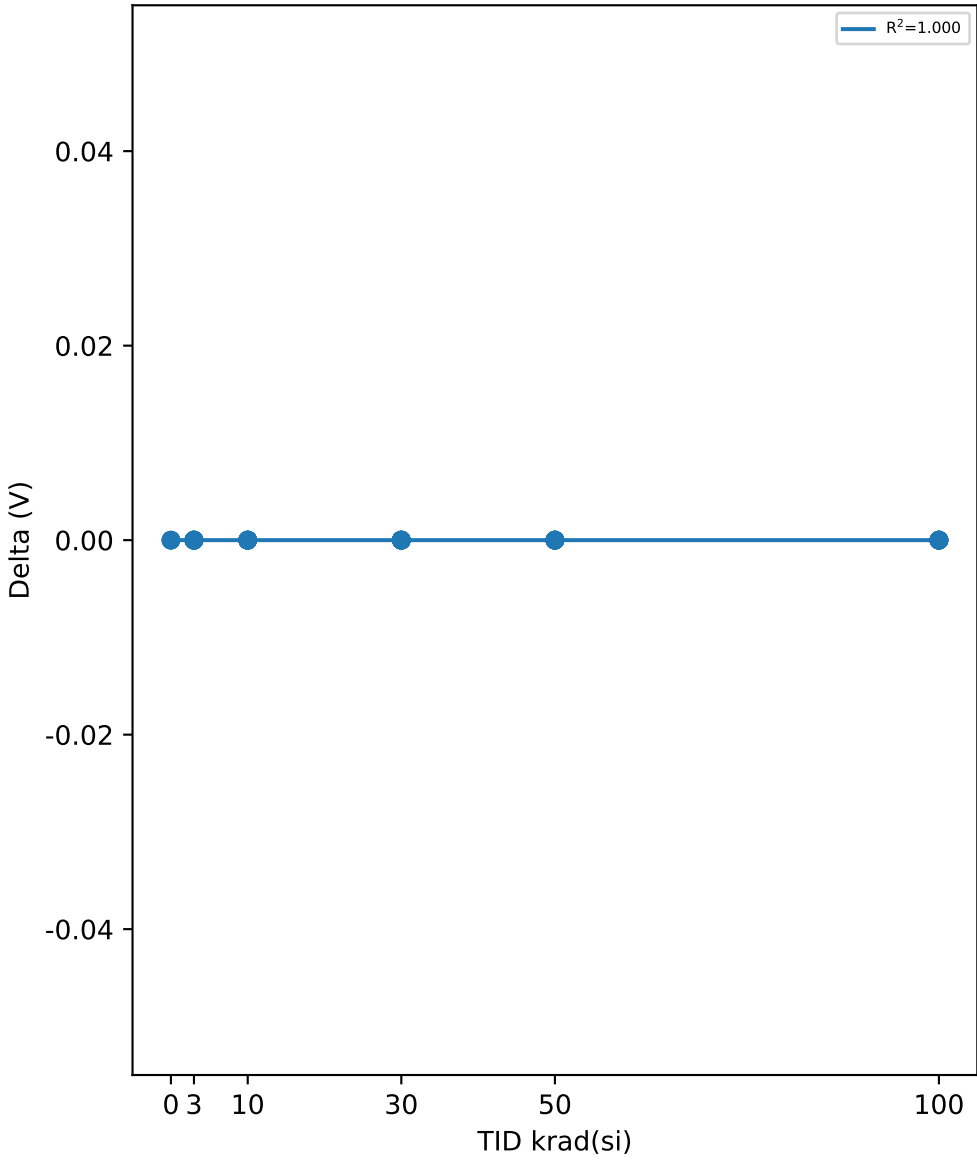
TID vs Result Stats



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

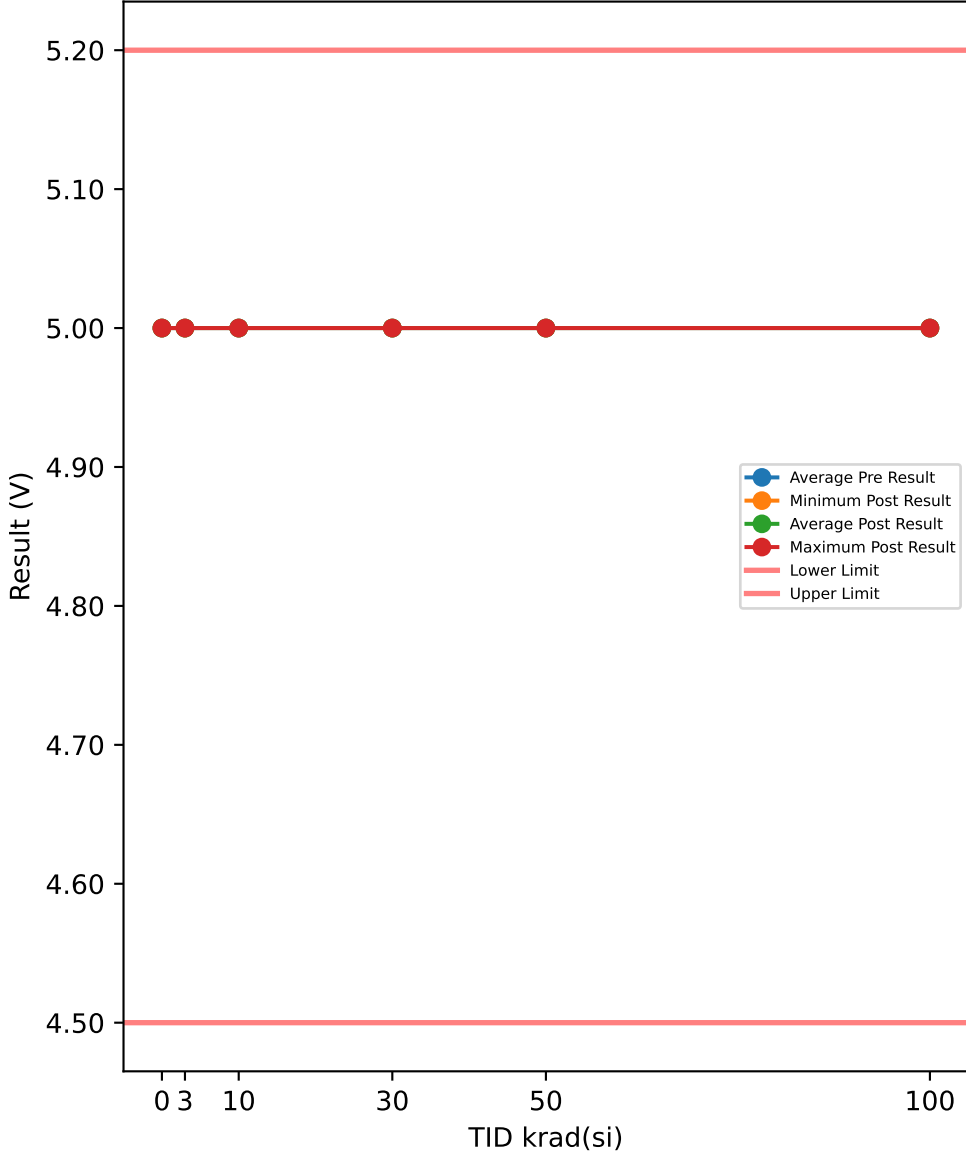
TID vs Post - Pre Exposure Delta



Test Statistics (V)

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	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

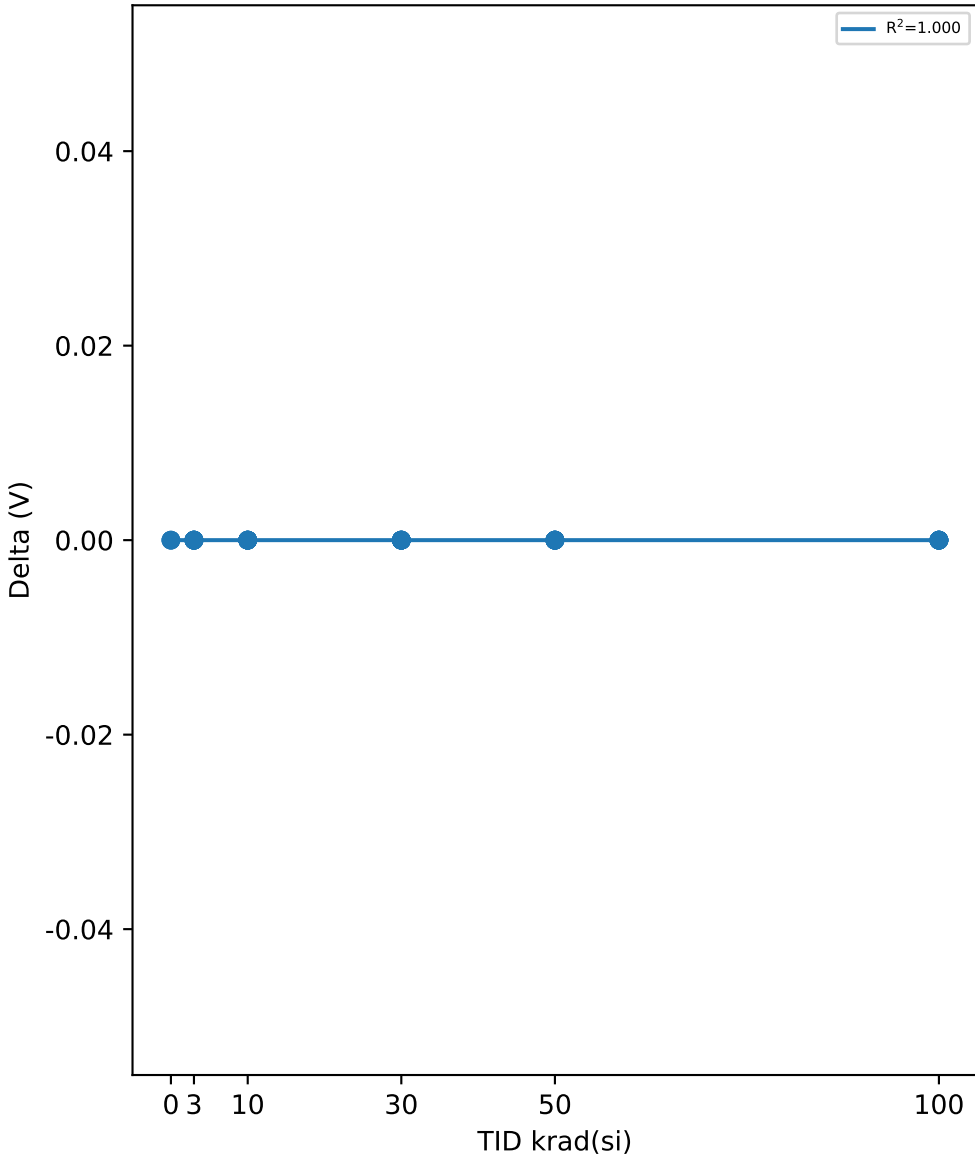
TID vs Result Stats



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

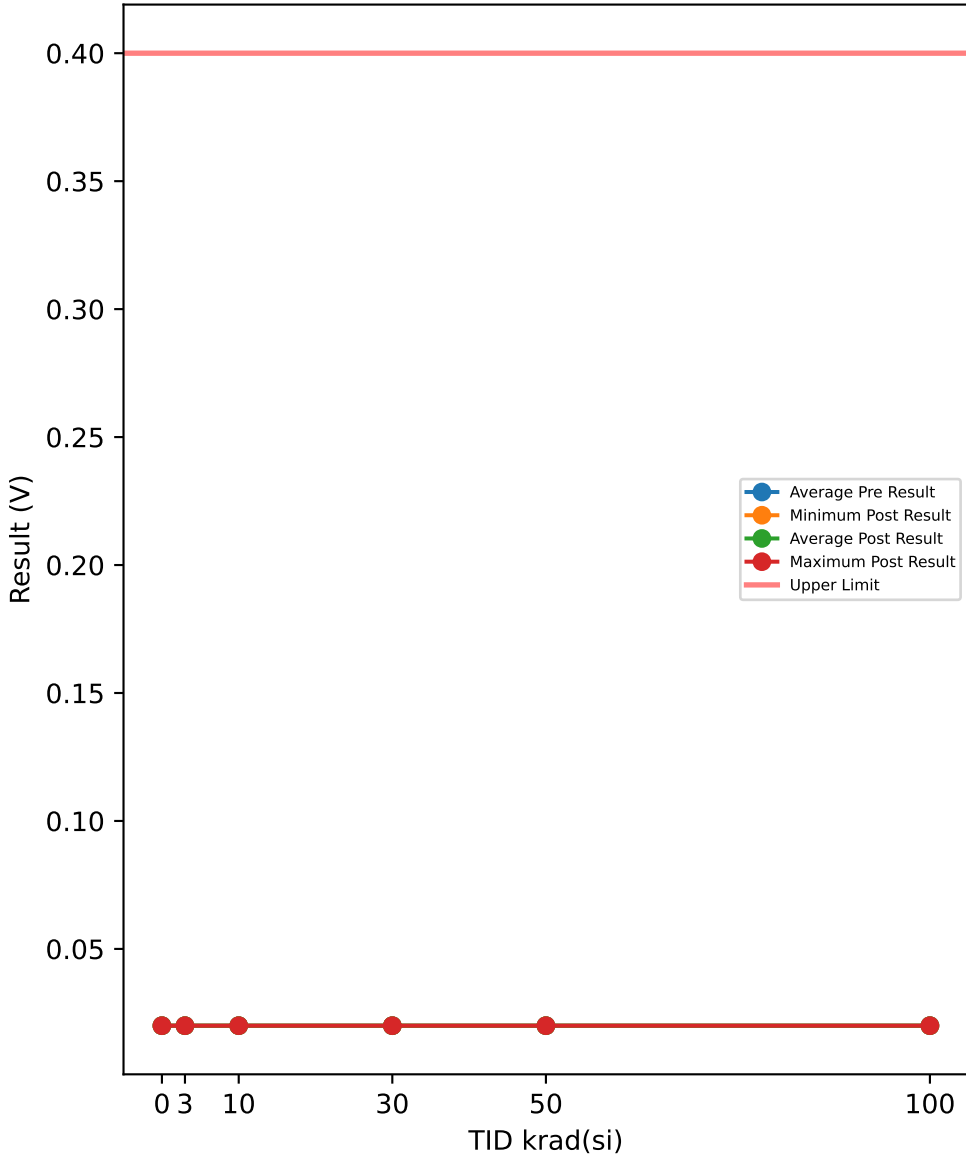
TID vs Post - Pre Exposure Delta



Test Statistics (V)

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	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

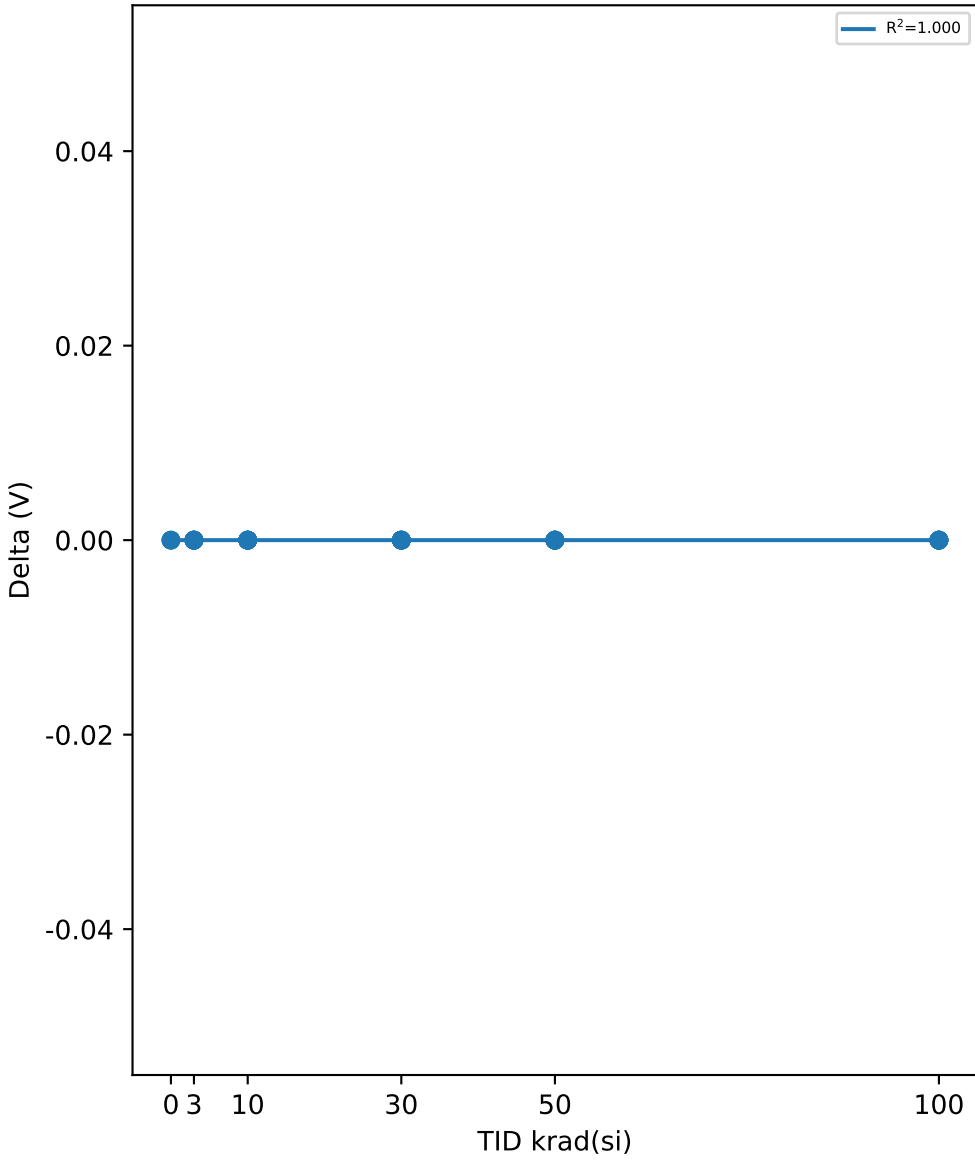
TID vs Result Stats



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

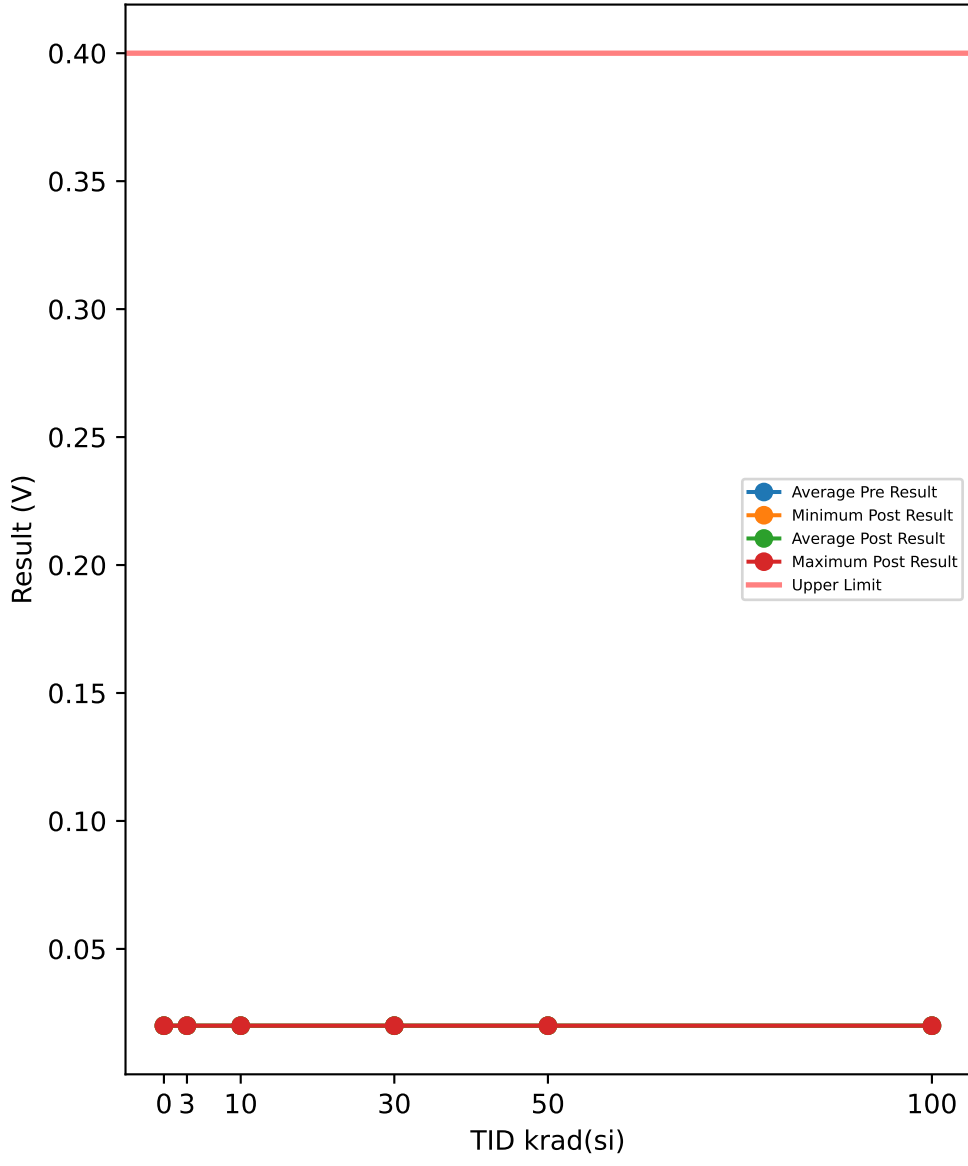
TID vs Post - Pre Exposure Delta



Test Statistics (V)

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	0.02	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

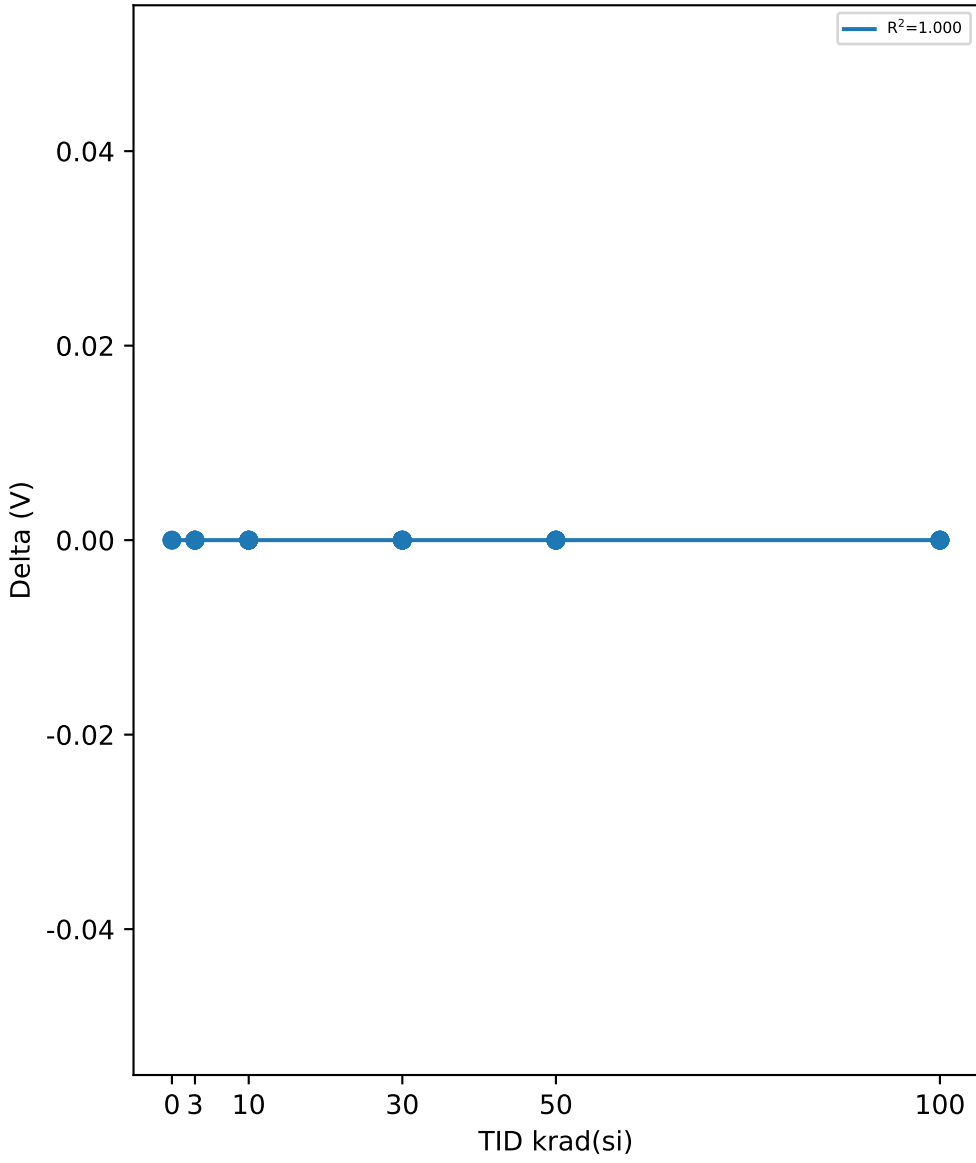
TID vs Result Stats



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

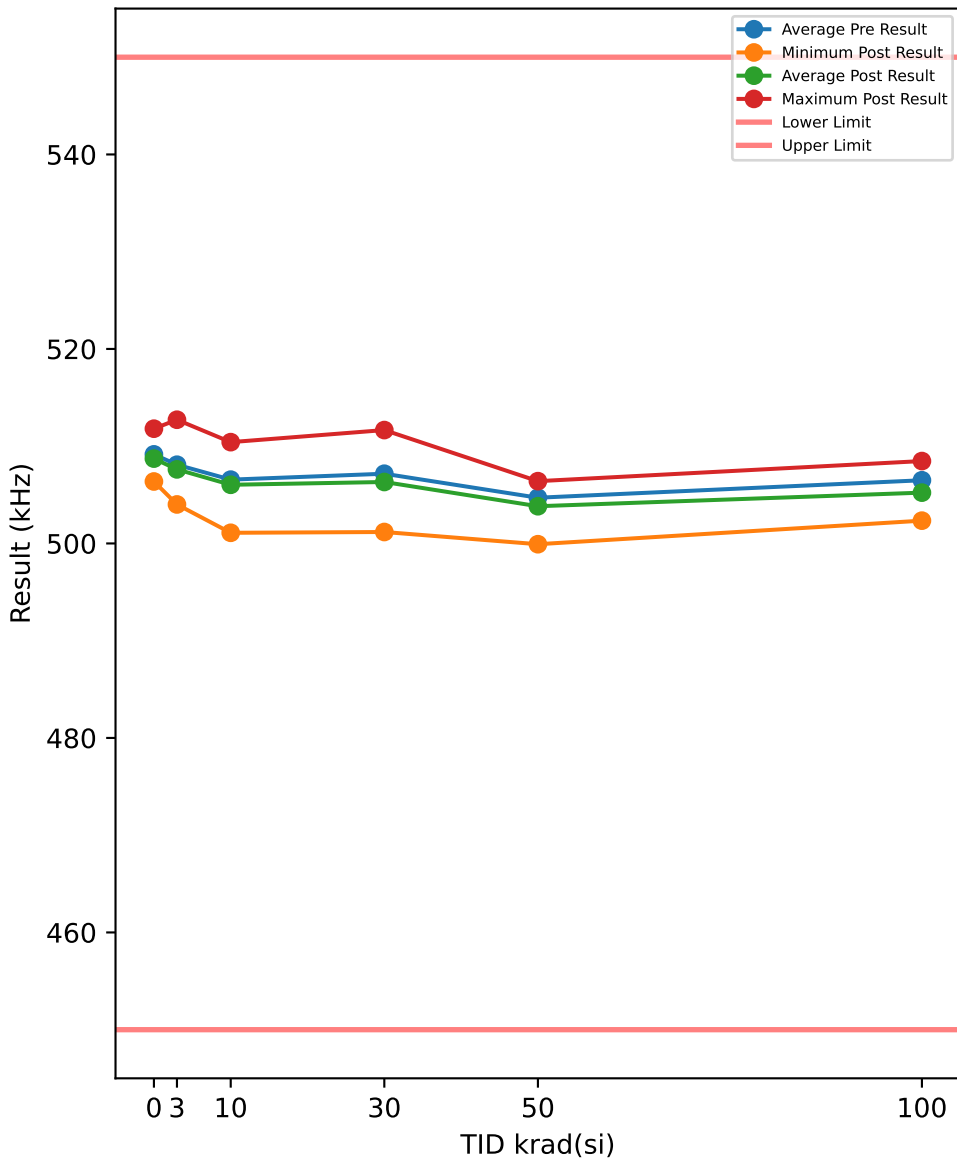
TID vs Post - Pre Exposure Delta



Test Statistics (V)

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	0.02	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

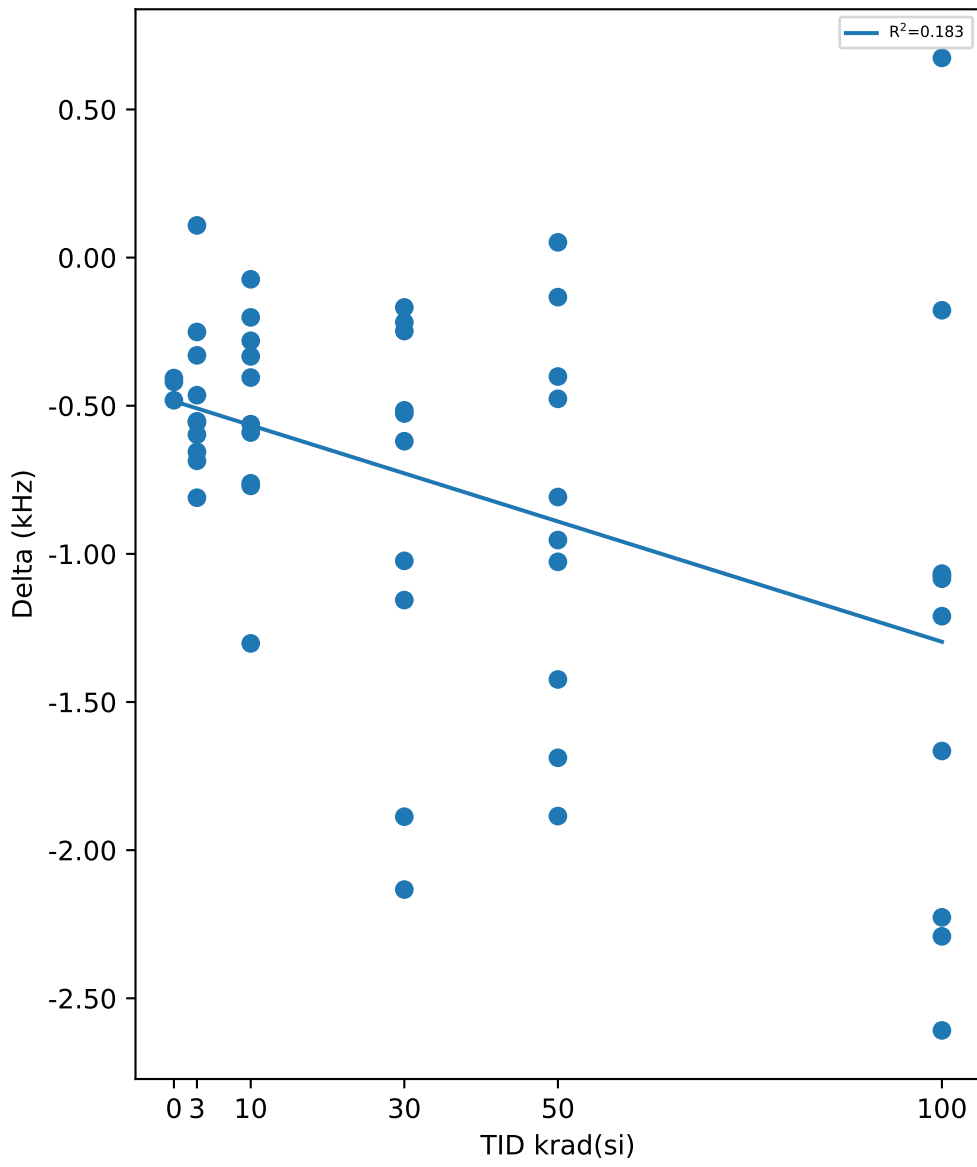
TID vs Result Stats



Test Results (Lower Limit = 450.0, Upper Limit = 550.0 (kHz))

Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
390	100	Biased	510.7	508.47	-2.2267
392	100	Biased	504.6	504.42	-0.1778
393	100	Biased	507.1	504.81	-2.2909
394	100	Biased	507.82	506.75	-1.0666
395	100	Biased	506.71	505.63	-1.0731
412	100	Unbiased	505.45	504.37	-1.0838
413	100	Unbiased	509.26	508.05	-1.2103
414	100	Unbiased	504.01	502.34	-1.6653
415	100	Unbiased	502.21	502.89	0.674
416	100	Unbiased	507.11	504.51	-2.6083
417	50	Biased	504.2	502.51	-1.6883
418	50	Biased	502.84	501.42	-1.4239
419	50	Biased	499.87	499.92	0.0515
421	50	Biased	505.37	504.35	-1.0269
422	50	Biased	506.88	506.4	-0.4767
423	50	Unbiased	506.73	504.85	-1.8849
424	50	Unbiased	506.09	505.29	-0.8081
425	50	Unbiased	504.14	503.74	-0.4014
426	50	Unbiased	503.55	503.42	-0.1335
427	50	Unbiased	507.33	506.38	-0.9533
463	0	Corr	512.28	511.8	-0.4815
464	0	Corr	508.41	508	-0.4066
465	0	Corr	506.79	506.37	-0.4196
466	30	Biased	505.32	503.18	-2.133
469	30	Biased	511.41	511.24	-0.1683
470	30	Biased	506.52	505.99	-0.5263
472	30	Biased	505.09	504.47	-0.6197
474	30	Biased	503.88	503.63	-0.2479
475	30	Unbiased	507.12	506.61	-0.5154
477	30	Unbiased	503.06	501.18	-1.887
478	30	Unbiased	508.72	508.51	-0.2183
479	30	Unbiased	512.68	511.66	-1.0235
480	30	Unbiased	507.89	506.73	-1.156
481	10	Biased	503.82	503.61	-0.2018
482	10	Biased	510.42	509.66	-0.7618
483	10	Biased	501.88	501.6	-0.2808
484	10	Biased	510.98	510.42	-0.5622
485	10	Biased	508.43	508.09	-0.3335
487	10	Unbiased	507.65	507.24	-0.4049
488	10	Unbiased	506.1	506.02	-0.0732
489	10	Unbiased	505.21	504.44	-0.7706
490	10	Unbiased	501.69	501.1	-0.5905
491	10	Unbiased	509.45	508.15	-1.3021
492	3	Biased	509.16	508.91	-0.251
493	3	Biased	508.44	507.84	-0.5976
494	3	Biased	509.62	508.93	-0.686
495	3	Biased	504.82	504.01	-0.8105
496	3	Biased	510.97	510.41	-0.5525
497	3	Unbiased	507.21	506.88	-0.33
498	3	Unbiased	505.67	505.01	-0.6556
499	3	Unbiased	506.07	505.61	-0.4644
500	3	Unbiased	506.38	505.83	-0.5558
502	3	Unbiased	512.61	512.72	0.1086

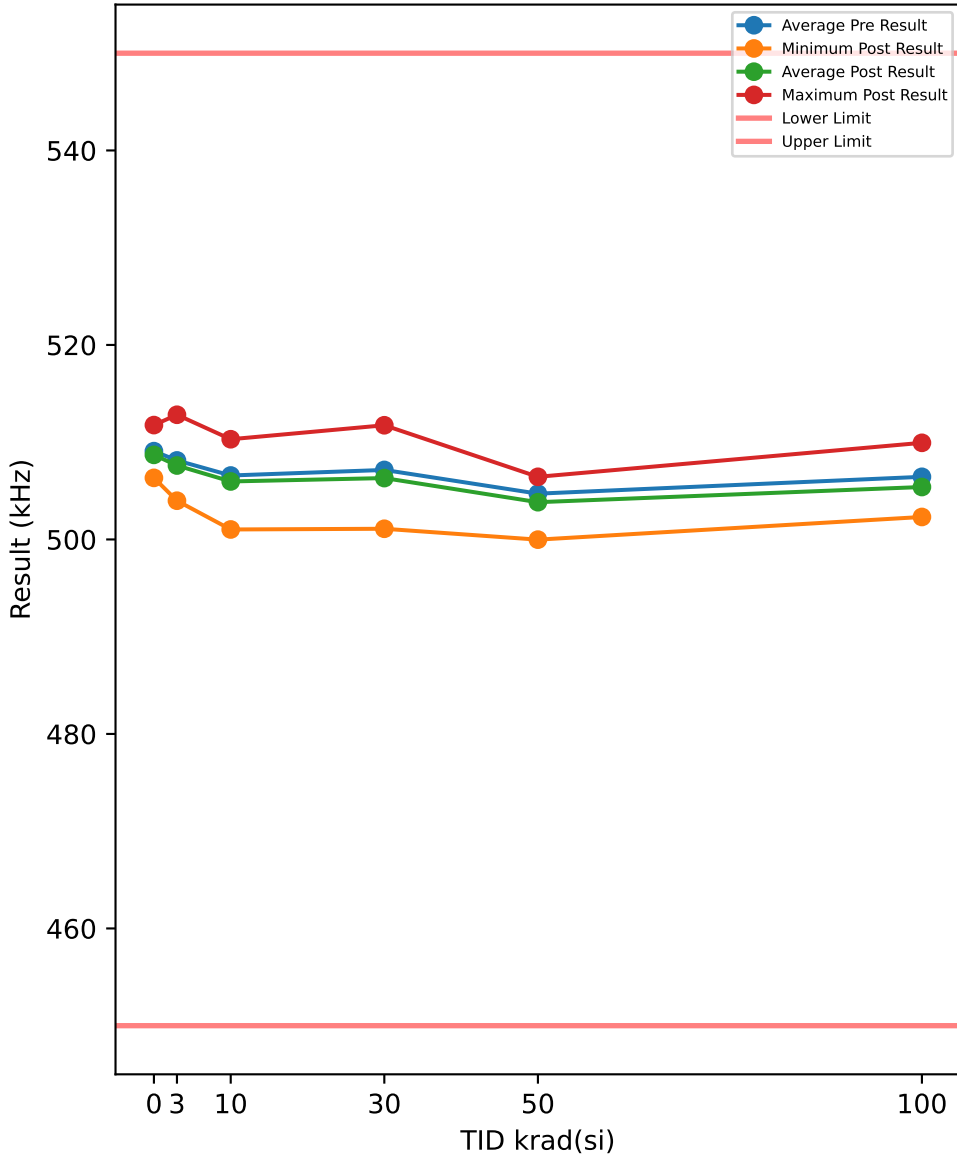
TID vs Post - Pre Exposure Delta



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	506.79	509.16	512.28	2.8217	506.37	508.72	511.8	2.7858	-0.4815	-0.4359	-0.4066	0.040022
3	504.82	508.1	512.61	2.5086	504.01	507.62	512.72	2.6853	-0.8105	-0.47948	0.1086	0.26436
10	501.69	506.56	510.98	3.3783	501.1	506.03	510.42	3.2491	-1.3021	-0.52814	-0.0732	0.35671
30	503.06	507.17	512.68	3.1118	501.18	506.32	511.66	3.4122	-2.133	-0.84954	-0.1683	0.69452
50	499.87	504.7	507.33	2.2825	499.92	503.83	506.4	2.0966	-1.8849	-0.87455	0.0515	0.65043
100	502.21	506.5	510.7	2.5183	502.34	505.22	508.47	2.0245	-2.6083	-1.2729	0.674	0.99973

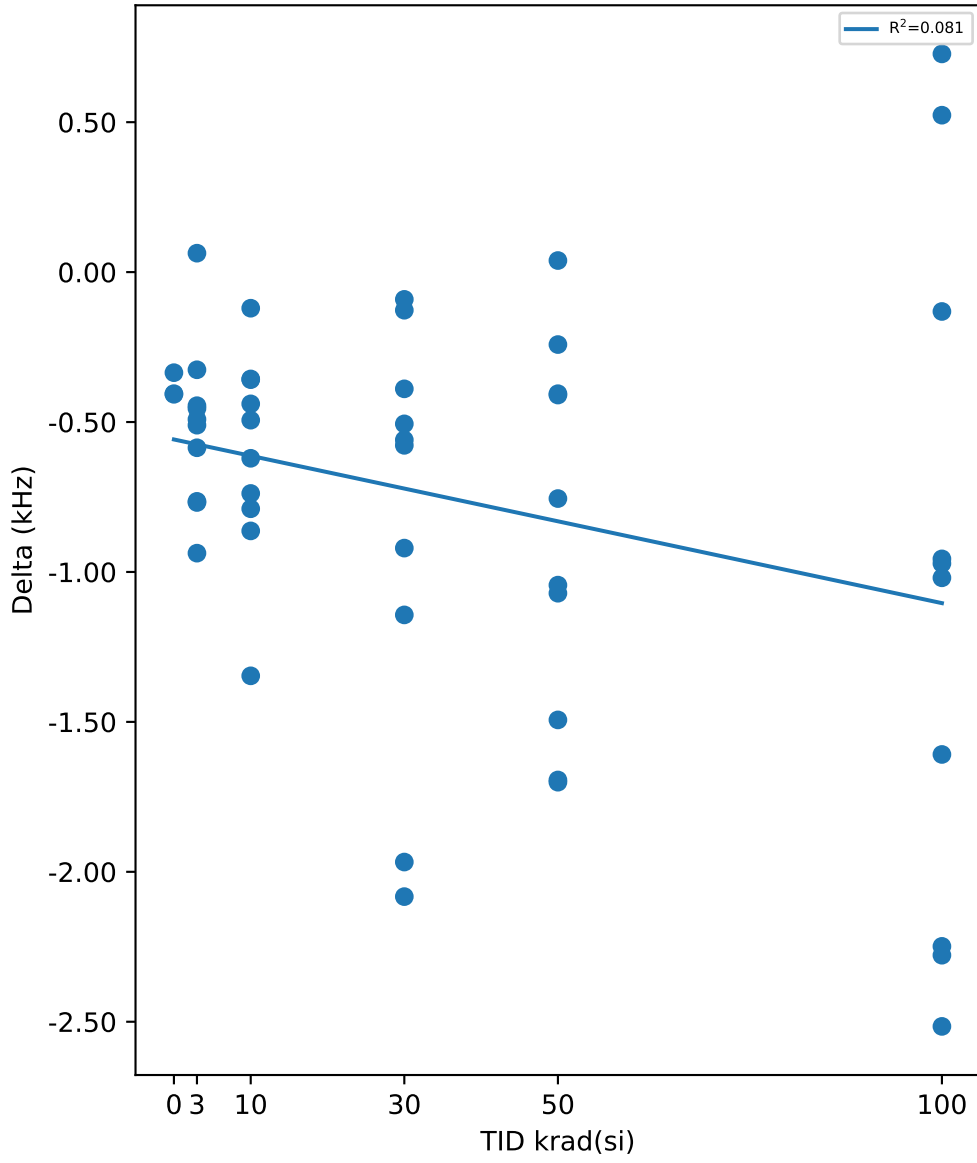
TID vs Result Stats



Test Results (Lower Limit = 450.0, Upper Limit = 550.0 (kHz))

Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
390	100	Biased	510.74	508.5	-2.2486
392	100	Biased	504.51	504.38	-0.1313
393	100	Biased	507.04	504.76	-2.2781
394	100	Biased	507.77	506.8	-0.9716
395	100	Biased	506.61	505.59	-1.0195
412	100	Unbiased	505.35	504.4	-0.9564
413	100	Unbiased	509.21	509.94	0.7277
414	100	Unbiased	503.92	502.31	-1.6086
415	100	Unbiased	502.23	502.75	0.5233
416	100	Unbiased	507.01	504.49	-2.5155
417	50	Biased	504.17	502.48	-1.6937
418	50	Biased	502.89	501.39	-1.4934
419	50	Biased	499.94	499.98	0.0386
421	50	Biased	505.49	504.44	-1.0439
422	50	Biased	506.85	506.44	-0.4055
423	50	Unbiased	506.63	504.93	-1.7011
424	50	Unbiased	505.97	505.22	-0.7552
425	50	Unbiased	504.12	503.71	-0.41
426	50	Unbiased	503.63	503.39	-0.2416
427	50	Unbiased	507.4	506.33	-1.0709
463	0	Corr	512.17	511.76	-0.4075
464	0	Corr	508.33	508	-0.3354
465	0	Corr	506.74	506.33	-0.4054
466	30	Biased	505.3	503.21	-2.0827
469	30	Biased	511.61	511.22	-0.3893
470	30	Biased	506.44	505.93	-0.5061
472	30	Biased	505	504.42	-0.5777
474	30	Biased	503.85	503.73	-0.1271
475	30	Unbiased	507.08	506.52	-0.5596
477	30	Unbiased	503.07	501.1	-1.9674
478	30	Unbiased	508.65	508.56	-0.0909
479	30	Unbiased	512.66	511.74	-0.9204
480	30	Unbiased	507.83	506.69	-1.1432
481	10	Biased	503.89	503.53	-0.3587
482	10	Biased	510.41	509.67	-0.7382
483	10	Biased	501.98	501.54	-0.4394
484	10	Biased	511.09	510.3	-0.7892
485	10	Biased	508.42	507.93	-0.4938
487	10	Unbiased	507.47	507.11	-0.3563
488	10	Unbiased	506.09	505.97	-0.1204
489	10	Unbiased	505.24	504.38	-0.8631
490	10	Unbiased	501.65	501.03	-0.6209
491	10	Unbiased	509.51	508.16	-1.3464
492	3	Biased	509.2	508.75	-0.4455
493	3	Biased	508.4	507.91	-0.491
494	3	Biased	509.62	508.85	-0.7645
495	3	Biased	504.92	503.98	-0.9373
496	3	Biased	510.98	510.47	-0.5105
497	3	Unbiased	507.12	506.8	-0.3257
498	3	Unbiased	505.74	504.98	-0.7683
499	3	Unbiased	506.1	505.65	-0.4547
500	3	Unbiased	506.41	505.83	-0.5858
502	3	Unbiased	512.76	512.82	0.0631

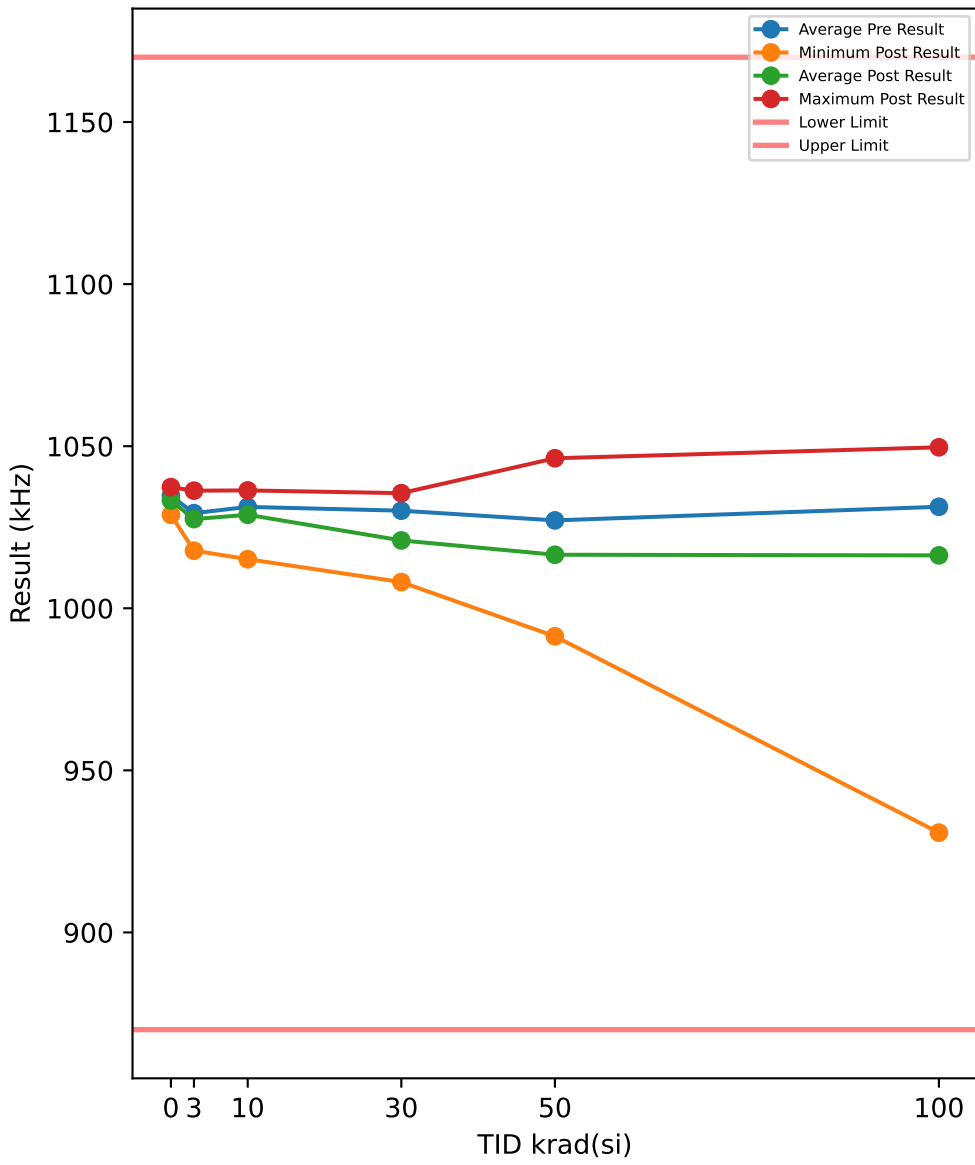
TID vs Post - Pre Exposure Delta



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	506.74	509.08	512.17	2.7908	506.33	508.7	511.76	2.7806	-0.4075	-0.38277	-0.3354	0.041034
3	504.92	508.13	512.76	2.5169	503.98	507.6	512.82	2.7087	-0.9373	-0.52202	0.0631	0.27656
10	501.65	506.58	511.09	3.3763	501.03	505.96	510.3	3.249	-1.3464	-0.61264	-0.1204	0.34396
30	503.07	507.15	512.66	3.1461	501.1	506.31	511.74	3.4312	-2.0827	-0.83644	-0.0909	0.70277
50	499.94	504.71	507.4	2.2496	499.98	503.83	506.44	2.0914	-1.7011	-0.87767	0.0386	0.62261
100	502.23	506.44	510.74	2.5308	502.31	505.39	509.94	2.4028	-2.5155	-1.0479	0.7277	1.1499

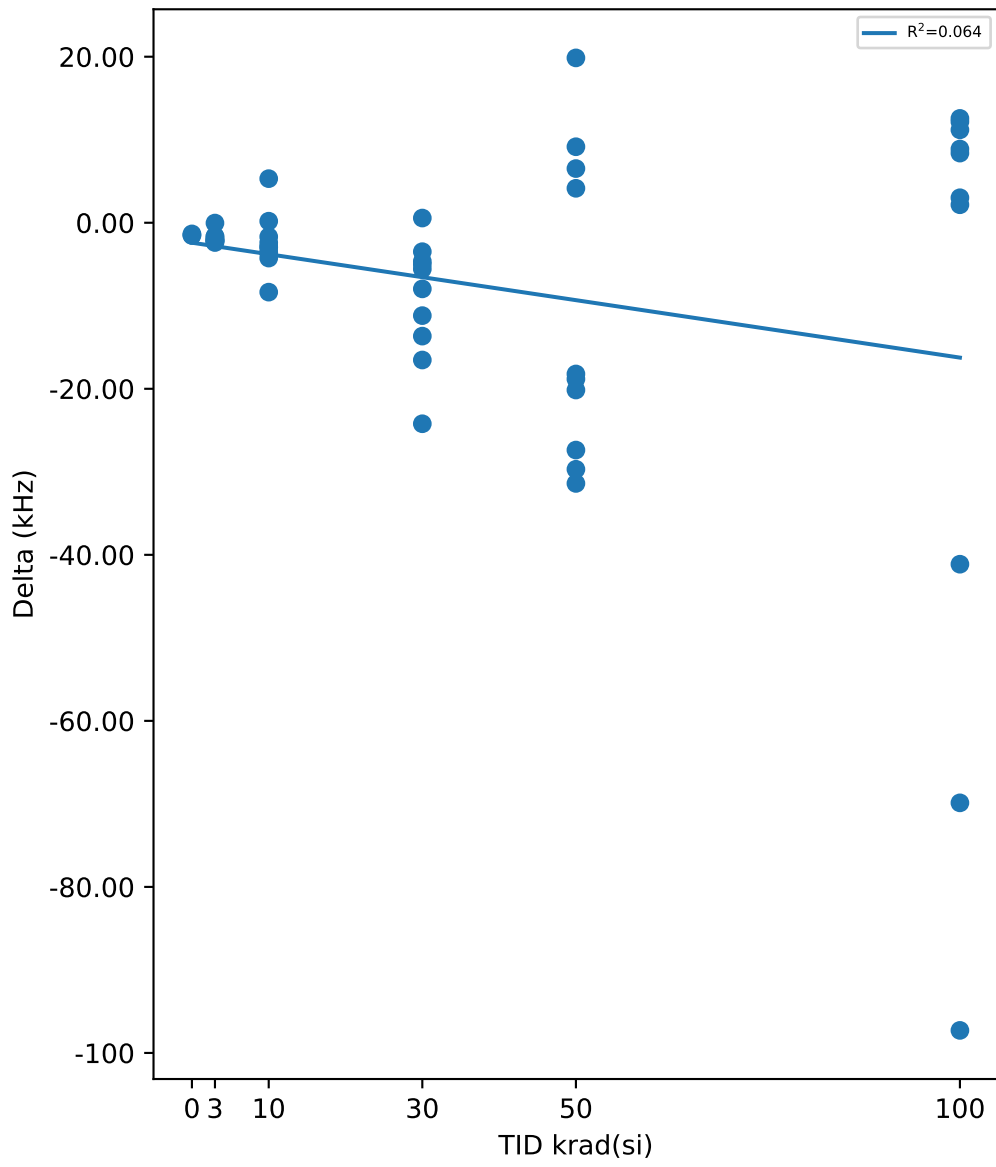
TID vs Result Stats



Test Results (Lower Limit = 870.0, Upper Limit = 1170.0 (kHz))

Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
390	100	Biased	1033.9	964	-69.875
392	100	Biased	1034.2	1042.6	8.3898
393	100	Biased	1032.1	1040.9	8.8823
394	100	Biased	1024.6	983.44	-41.13
395	100	Biased	1028.1	930.79	-97.283
412	100	Unbiased	1037.1	1040.1	3.0115
413	100	Unbiased	1038.5	1049.7	11.194
414	100	Unbiased	1023	1035.5	12.57
415	100	Unbiased	1026.5	1038.7	12.17
416	100	Unbiased	1035.3	1037.5	2.1689
417	50	Biased	1026.5	995.11	-31.4
418	50	Biased	1018.9	1000	-18.826
419	50	Biased	1024.2	1044	19.857
421	50	Biased	1024.3	1006.1	-18.214
422	50	Biased	1037.1	1046.3	9.1558
423	50	Unbiased	1030.8	1010.7	-20.147
424	50	Unbiased	1033.8	1040.3	6.5271
425	50	Unbiased	1026.5	999.14	-27.38
426	50	Unbiased	1028	1032.1	4.1492
427	50	Unbiased	1021	991.35	-29.696
463	0	Corr	1030.4	1028.8	-1.5325
464	0	Corr	1038.7	1037.4	-1.3429
465	0	Corr	1035	1033.5	-1.4843
466	30	Biased	1021.7	1008.1	-13.655
469	30	Biased	1039	1035.5	-3.4846
470	30	Biased	1038.7	1033.6	-5.0196
472	30	Biased	1023.6	1018	-5.5732
474	30	Biased	1028.3	1023.6	-4.6399
475	30	Unbiased	1025.7	1009.1	-16.532
477	30	Unbiased	1026.9	1027.5	0.5678
478	30	Unbiased	1029.5	1018.3	-11.186
479	30	Unbiased	1035.3	1011.1	-24.211
480	30	Unbiased	1032.4	1024.5	-7.965
481	10	Biased	1033.6	1031.2	-2.3953
482	10	Biased	1033.8	1034	0.1877
483	10	Biased	1028.4	1025.5	-2.9143
484	10	Biased	1033.2	1030.2	-2.9578
485	10	Biased	1023.5	1015.1	-8.3582
487	10	Unbiased	1026.8	1025.1	-1.6857
488	10	Unbiased	1037.8	1034.3	-3.5749
489	10	Unbiased	1030.3	1035.6	5.3125
490	10	Unbiased	1024.8	1021.2	-3.625
491	10	Unbiased	1040.6	1036.4	-4.2549
492	3	Biased	1019.7	1017.8	-1.892
493	3	Biased	1034.6	1032.4	-2.2254
494	3	Biased	1033.3	1031.3	-2.0446
495	3	Biased	1025.2	1023	-2.1471
496	3	Biased	1036.5	1034.8	-1.6246
497	3	Unbiased	1029	1027.3	-1.6573
498	3	Unbiased	1024.5	1022.5	-2.0783
499	3	Unbiased	1027.8	1025.6	-2.2398
500	3	Unbiased	1026.6	1024.2	-2.3814
502	3	Unbiased	1036.3	1036.3	-0.0371

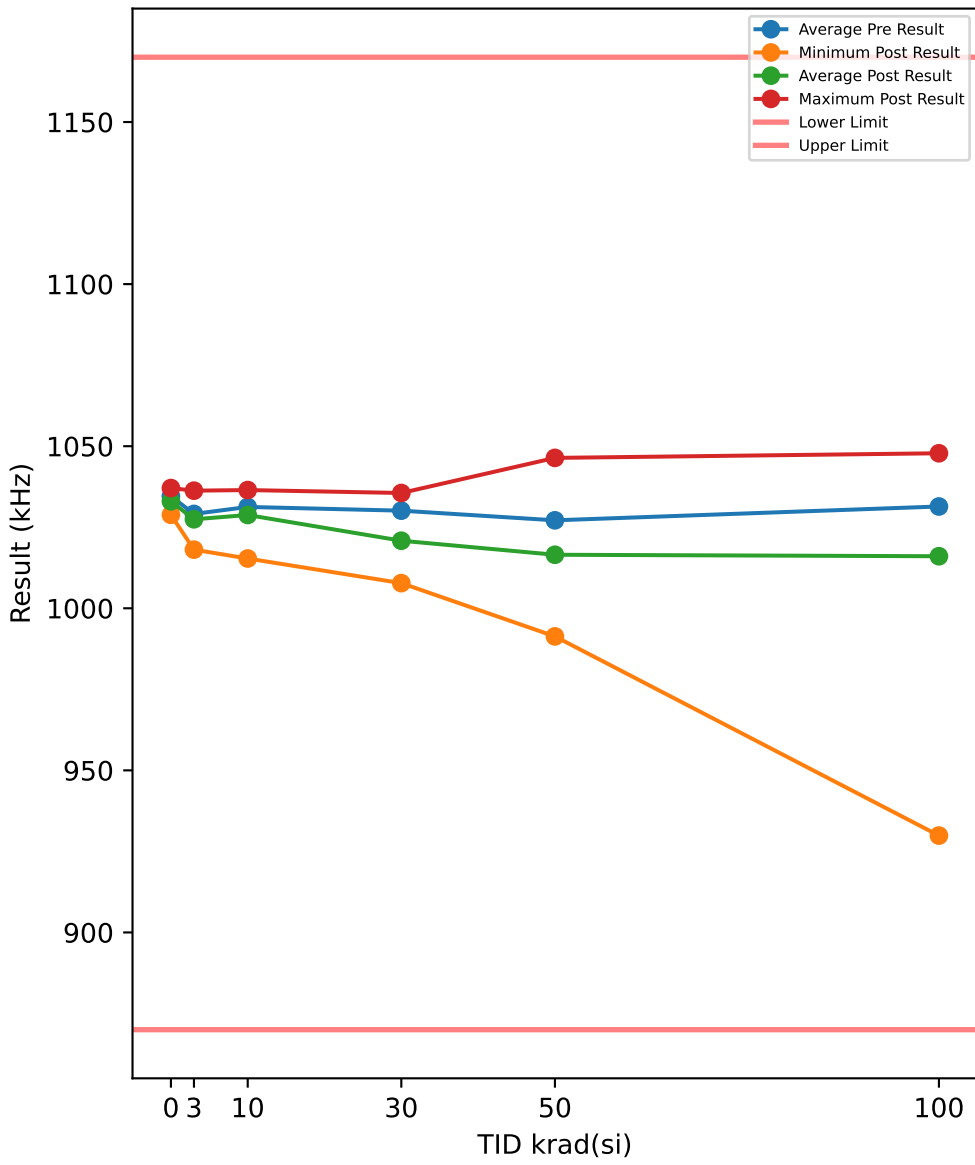
TID vs Post - Pre Exposure Delta



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	1030.4	1034.7	1038.7	4.1852	1028.8	1033.2	1037.4	4.2783	-1.5325	-1.4532	-1.3429	0.098544
3	1019.7	1029.3	1036.5	5.6505	1017.8	1027.5	1036.3	5.9996	-2.3814	-1.8328	-0.0371	0.67716
10	1023.5	1031.3	1040.6	5.546	1015.1	1028.8	1036.4	6.9617	-8.3582	-2.4266	5.3125	3.4814
30	1021.7	1030.1	1039	6.0603	1008.1	1020.9	1035.5	9.7341	-24.211	-9.1698	0.5678	7.3326
50	1018.9	1027.1	1037.1	5.5943	991.35	1016.5	1046.3	21.756	-31.4	-10.597	19.857	18.632
100	1023	1031.3	1038.5	5.4158	930.79	1016.3	1049.7	41.397	-97.283	-14.99	12.57	39.98

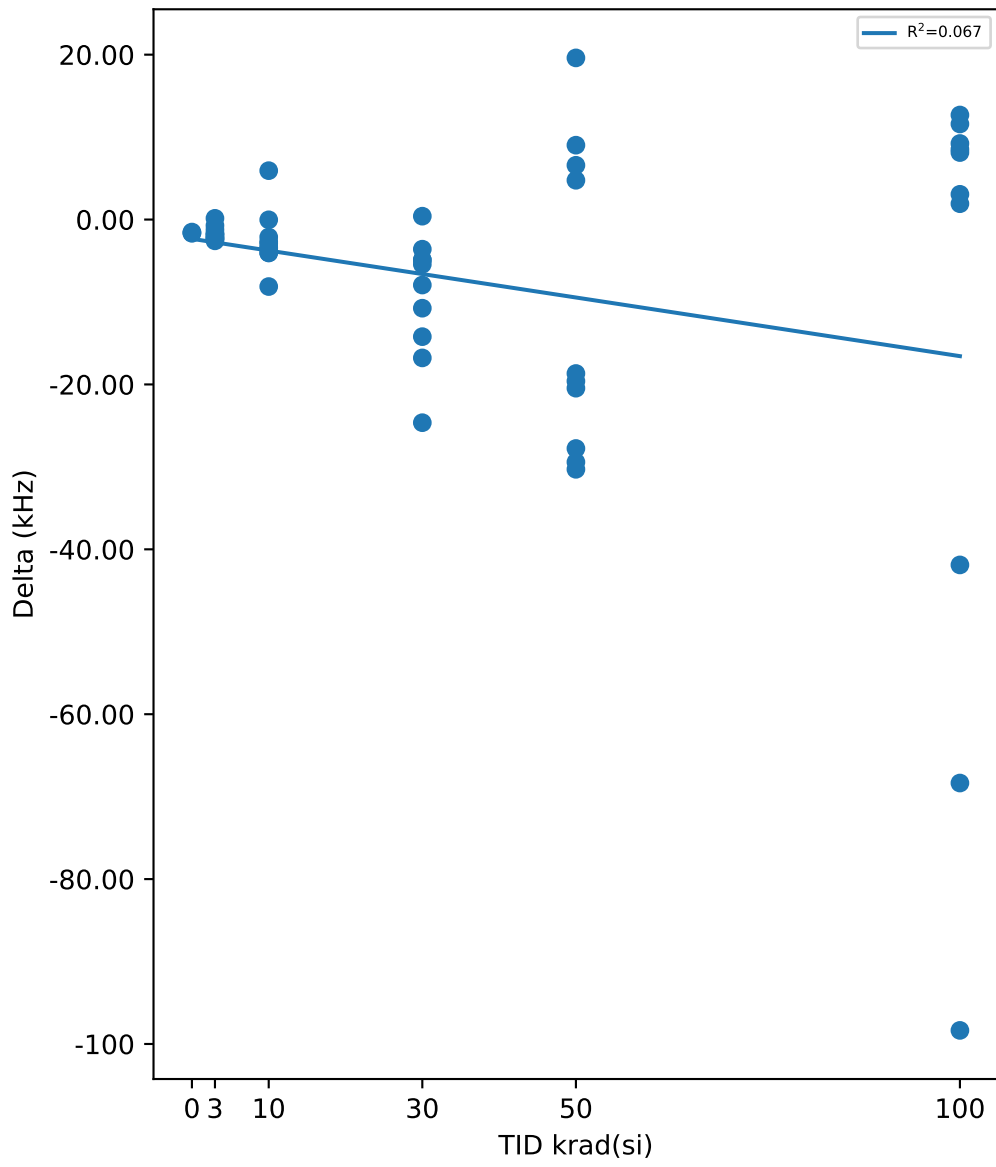
TID vs Result Stats



Test Results (Lower Limit = 870.0, Upper Limit = 1170.0 (kHz))

Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
390	100	Biased	1033.7	965.39	-68.348
392	100	Biased	1034.2	1042.3	8.1261
393	100	Biased	1032.3	1040.8	8.5166
394	100	Biased	1024.9	983.05	-41.892
395	100	Biased	1028.2	929.88	-98.352
412	100	Unbiased	1036.9	1039.9	3.0627
413	100	Unbiased	1038.6	1047.8	9.2248
414	100	Unbiased	1023	1035.7	12.682
415	100	Unbiased	1026.7	1038.2	11.592
416	100	Unbiased	1035.5	1037.4	1.9213
417	50	Biased	1026.5	996.25	-30.295
418	50	Biased	1019.1	999.47	-19.598
419	50	Biased	1024.1	1043.7	19.607
421	50	Biased	1024.2	1005.6	-18.673
422	50	Biased	1037.4	1046.4	9.021
423	50	Unbiased	1030.9	1010.4	-20.456
424	50	Unbiased	1033.7	1040.2	6.5831
425	50	Unbiased	1027	999.18	-27.77
426	50	Unbiased	1027.8	1032.6	4.7639
427	50	Unbiased	1020.7	991.33	-29.419
463	0	Corr	1030.4	1028.8	-1.5176
464	0	Corr	1038.7	1037.1	-1.6106
465	0	Corr	1034.7	1033.1	-1.6658
466	30	Biased	1022	1007.8	-14.204
469	30	Biased	1039.2	1035.6	-3.5944
470	30	Biased	1038.5	1033.6	-4.8766
472	30	Biased	1023.5	1018	-5.4281
474	30	Biased	1028.6	1023.6	-4.9053
475	30	Unbiased	1025.9	1009.1	-16.783
477	30	Unbiased	1026.9	1027.3	0.4082
478	30	Unbiased	1029.1	1018.4	-10.753
479	30	Unbiased	1035.2	1010.5	-24.64
480	30	Unbiased	1032.4	1024.5	-7.9429
481	10	Biased	1033.5	1030.8	-2.7003
482	10	Biased	1033.7	1033.7	-0.0314
483	10	Biased	1028.4	1025.5	-2.8732
484	10	Biased	1033.3	1029.9	-3.3565
485	10	Biased	1023.5	1015.4	-8.127
487	10	Unbiased	1026.6	1024.5	-2.1255
488	10	Unbiased	1038	1033.9	-4.0425
489	10	Unbiased	1030.5	1036.4	5.9304
490	10	Unbiased	1024.7	1021.2	-3.487
491	10	Unbiased	1040.5	1036.5	-4.0428
492	3	Biased	1018.8	1018.1	-0.7279
493	3	Biased	1034.2	1032.5	-1.6963
494	3	Biased	1033	1031.3	-1.7744
495	3	Biased	1025.1	1022.8	-2.2809
496	3	Biased	1036.4	1034.5	-1.9072
497	3	Unbiased	1028.5	1027.3	-1.2345
498	3	Unbiased	1024.5	1022.3	-2.2348
499	3	Unbiased	1027.9	1025.3	-2.5818
500	3	Unbiased	1026.4	1024.1	-2.2912
502	3	Unbiased	1036.1	1036.3	0.1489

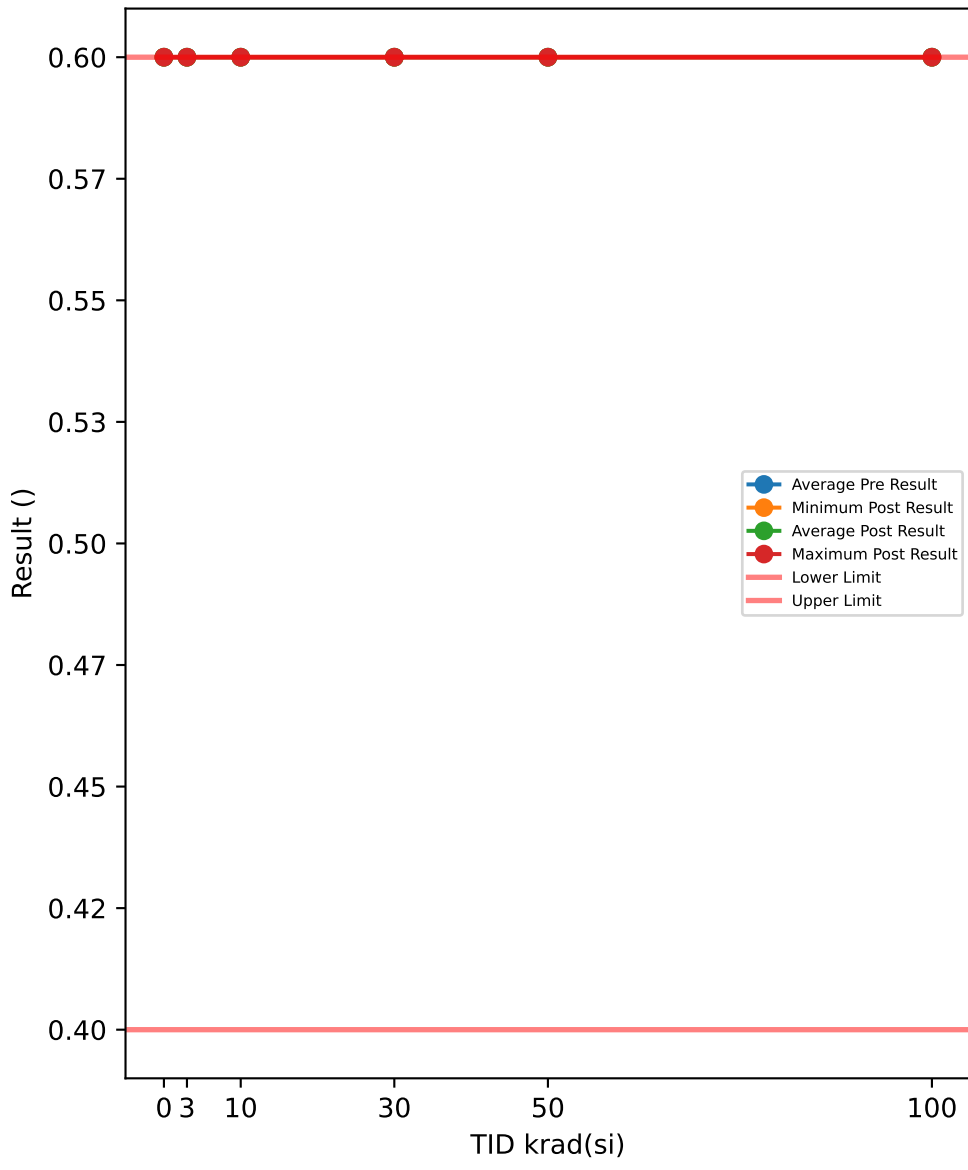
TID vs Post - Pre Exposure Delta



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	1030.4	1034.6	1038.7	4.1745	1028.8	1033	1037.1	4.1268	-1.6658	-1.598	-1.5176	0.074899
3	1018.8	1029.1	1036.4	5.7363	1018.1	1027.4	1036.3	5.9561	-2.5818	-1.658	0.1489	0.84073
10	1023.5	1031.3	1040.5	5.5821	1015.4	1028.8	1036.5	6.9968	-8.127	-2.4856	5.9304	3.5841
30	1022	1030.1	1039.2	6.0065	1007.8	1020.8	1035.6	9.8413	-24.64	-9.2719	0.4082	7.4534
50	1019.1	1027.1	1037.4	5.637	991.33	1016.5	1046.4	21.715	-30.295	-10.624	19.607	18.586
100	1023	1031.4	1038.6	5.3458	929.88	1016.1	1047.8	41.229	-98.352	-15.347	12.682	39.828

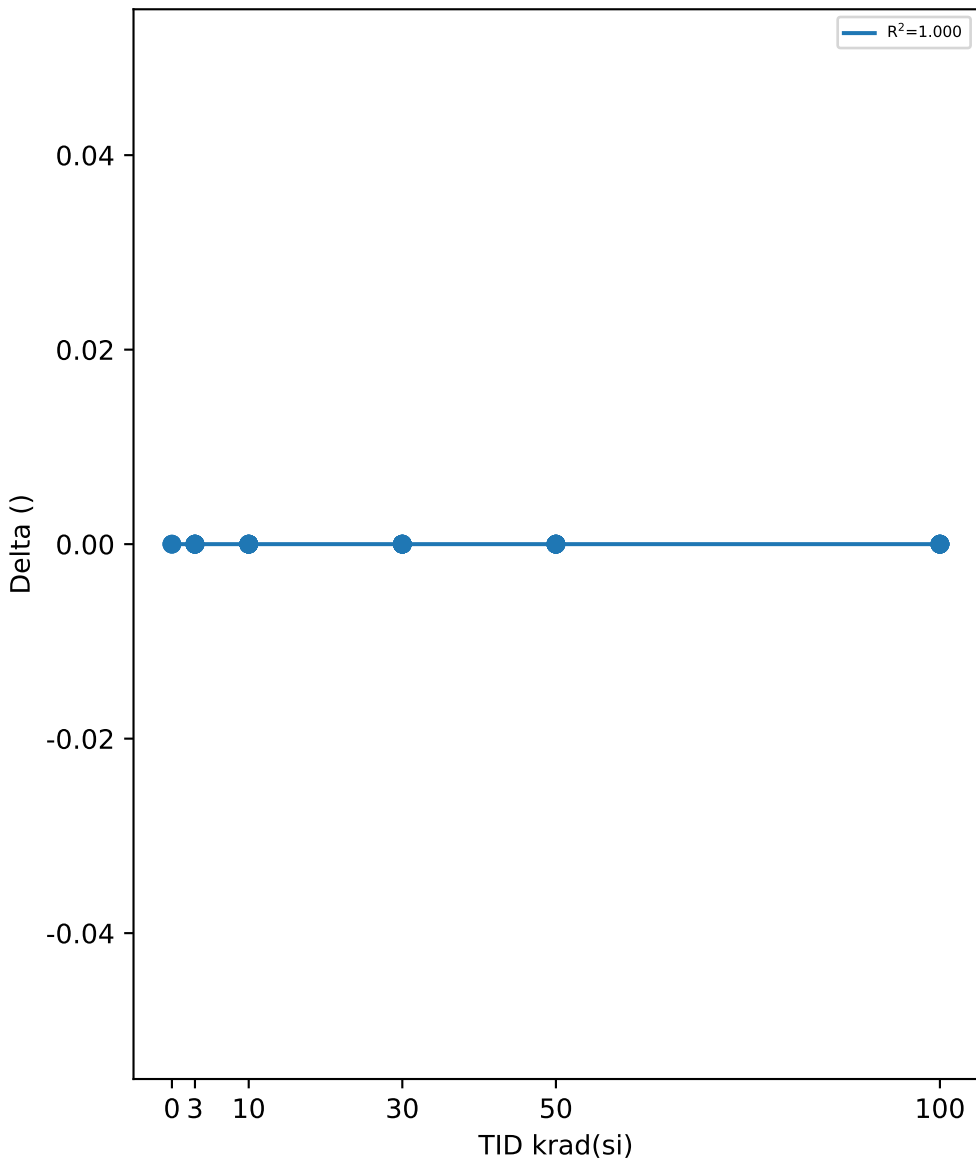
TID vs Result Stats



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

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

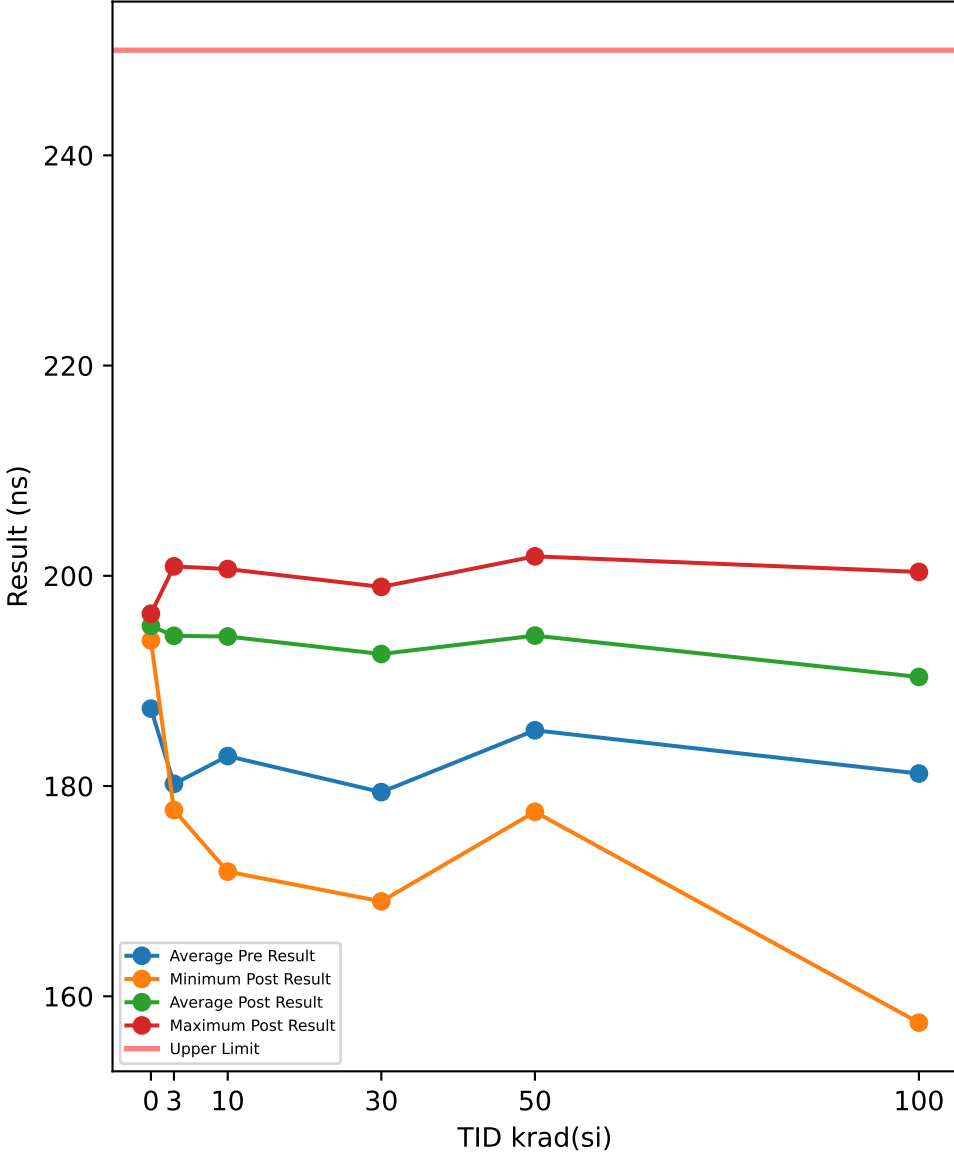
TID vs Post - Pre Exposure Delta



Test Statistics (s)

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	0.6	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

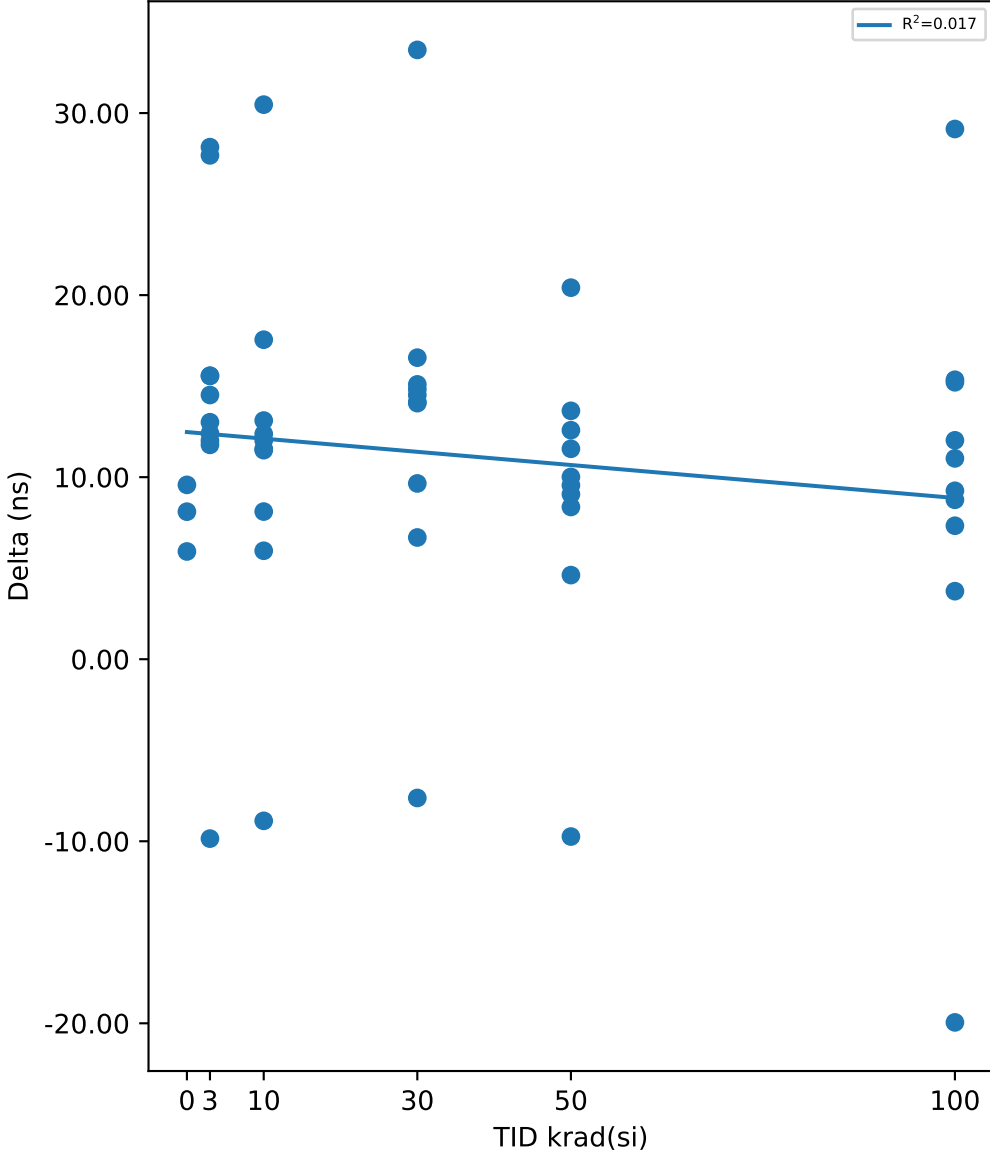
TID vs Result Stats



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

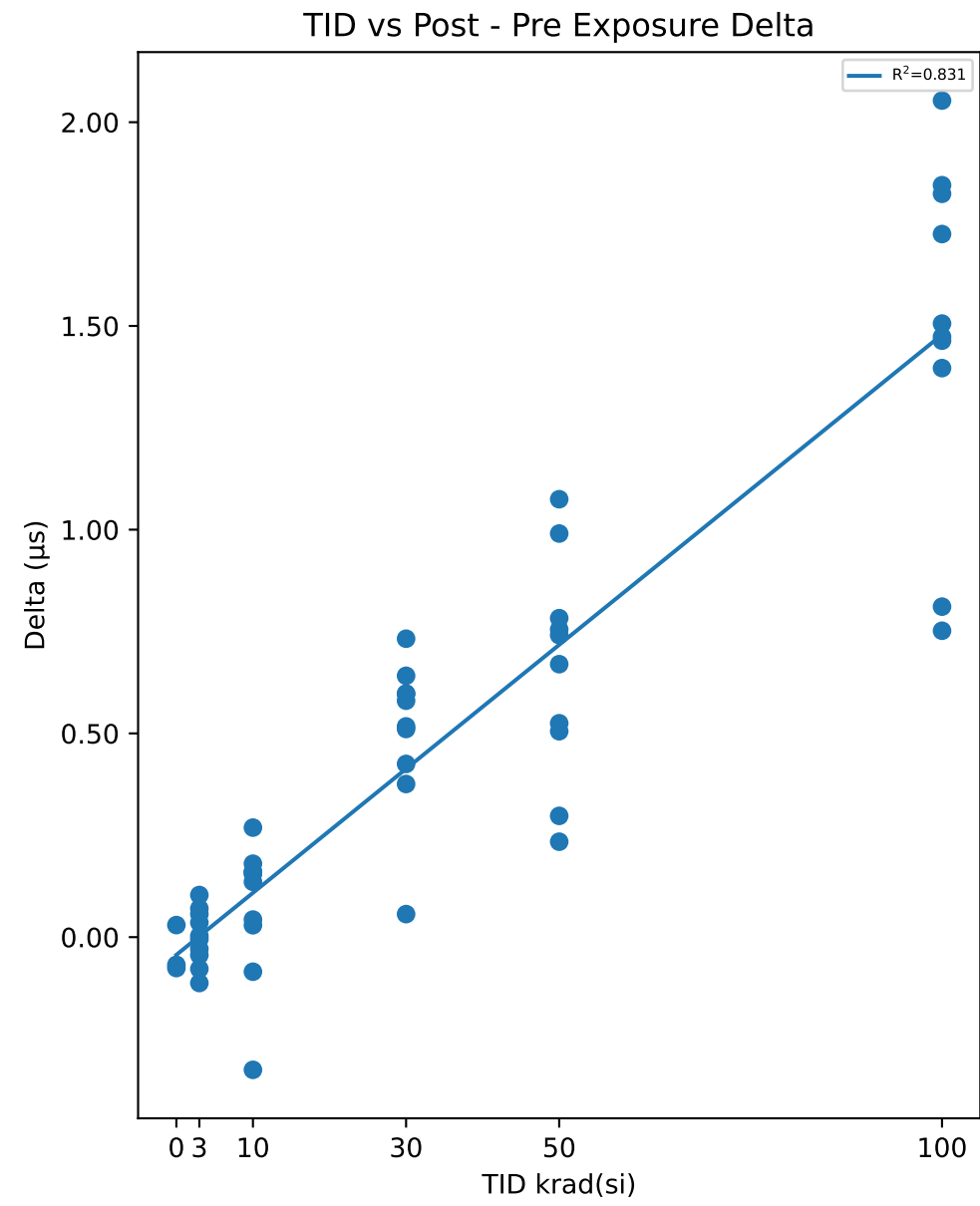
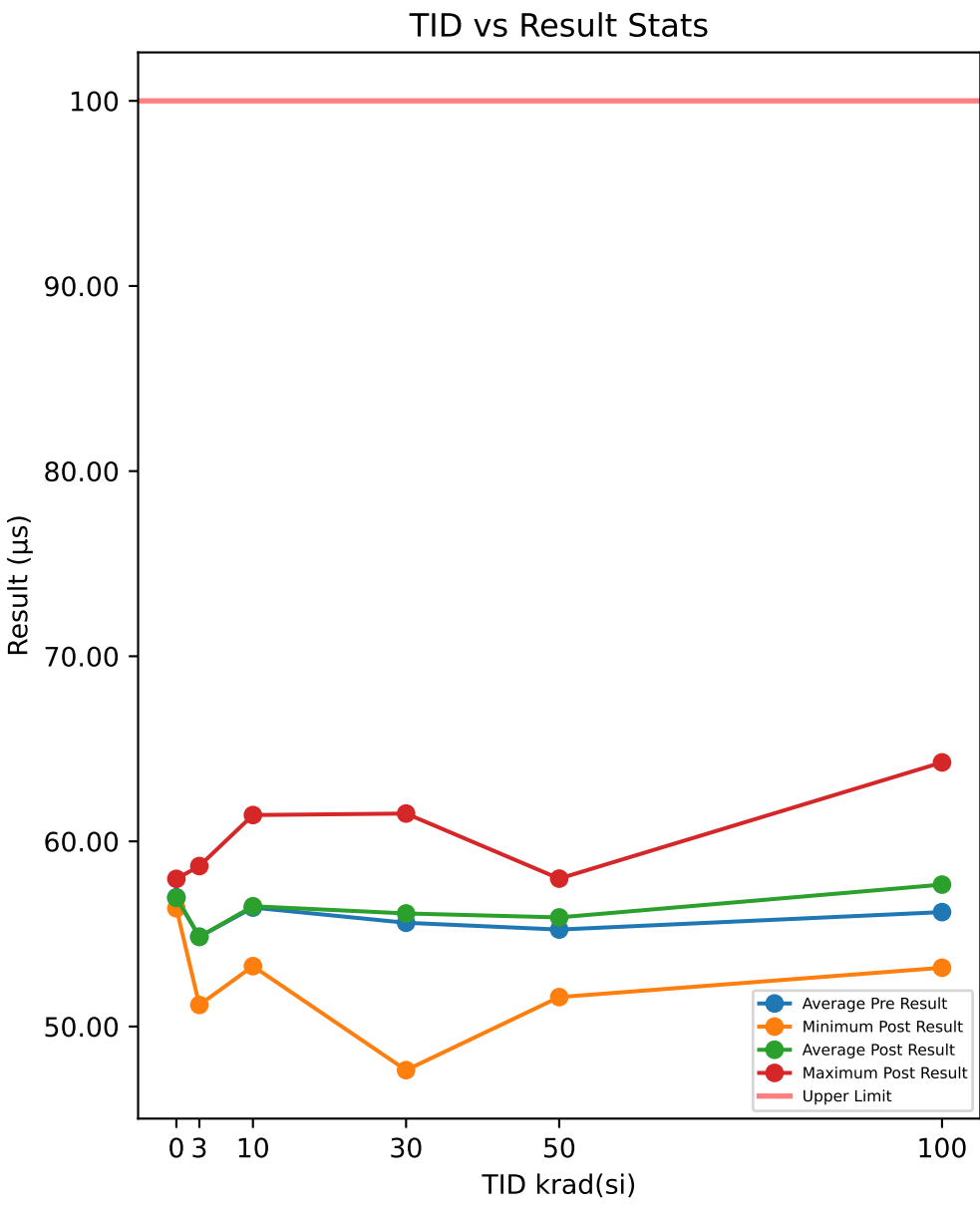
TID vs Post - Pre Exposure Delta



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))

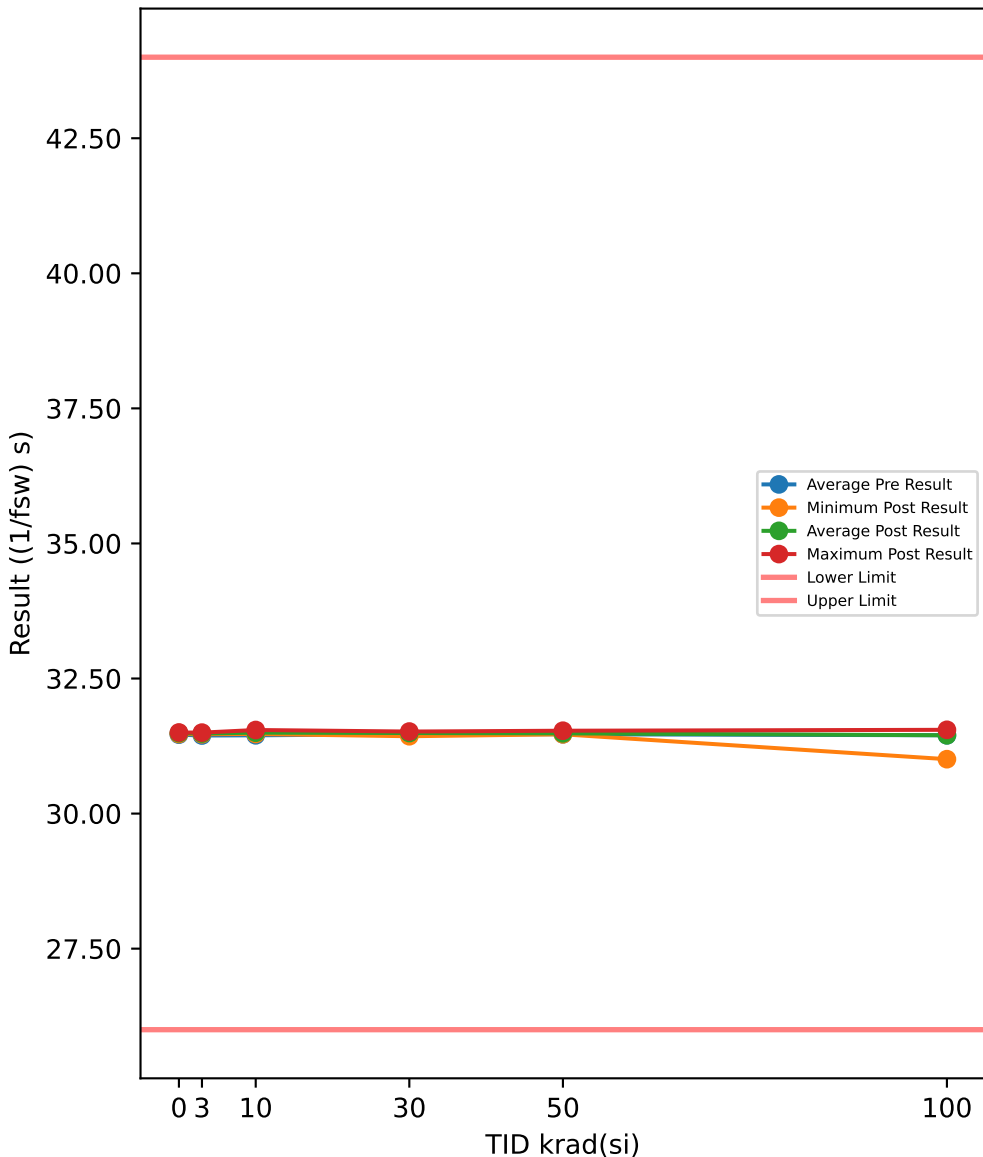
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
390	100	Biased	53.272	54.024	0.7519
392	100	Biased	54.227	55.691	1.4638
393	100	Biased	56.084	57.908	1.8243
394	100	Biased	51.668	53.174	1.5058
395	100	Biased	62.42	64.266	1.8454
412	100	Unbiased	55.475	57.201	1.7255
413	100	Unbiased	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)

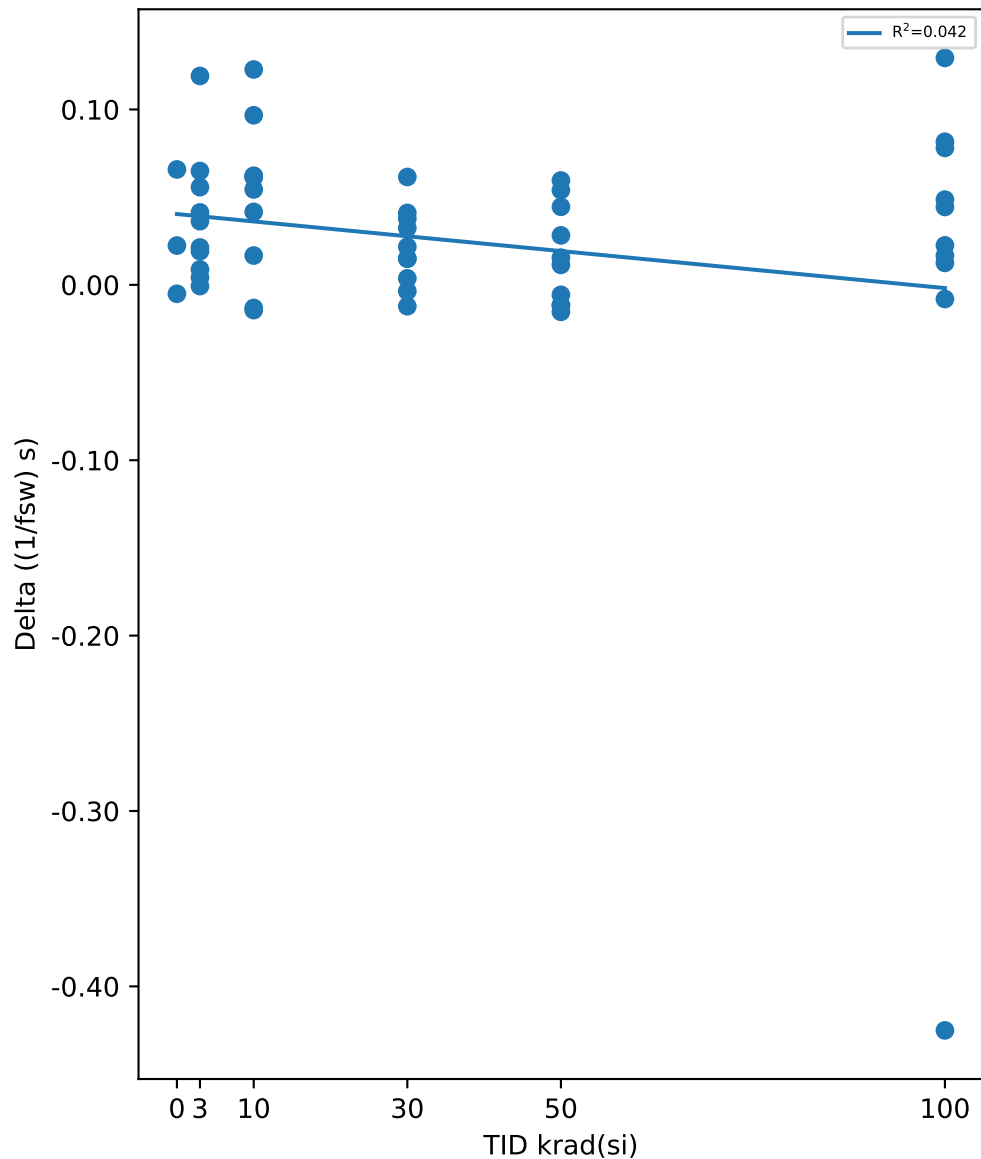
TID vs Result Stats



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

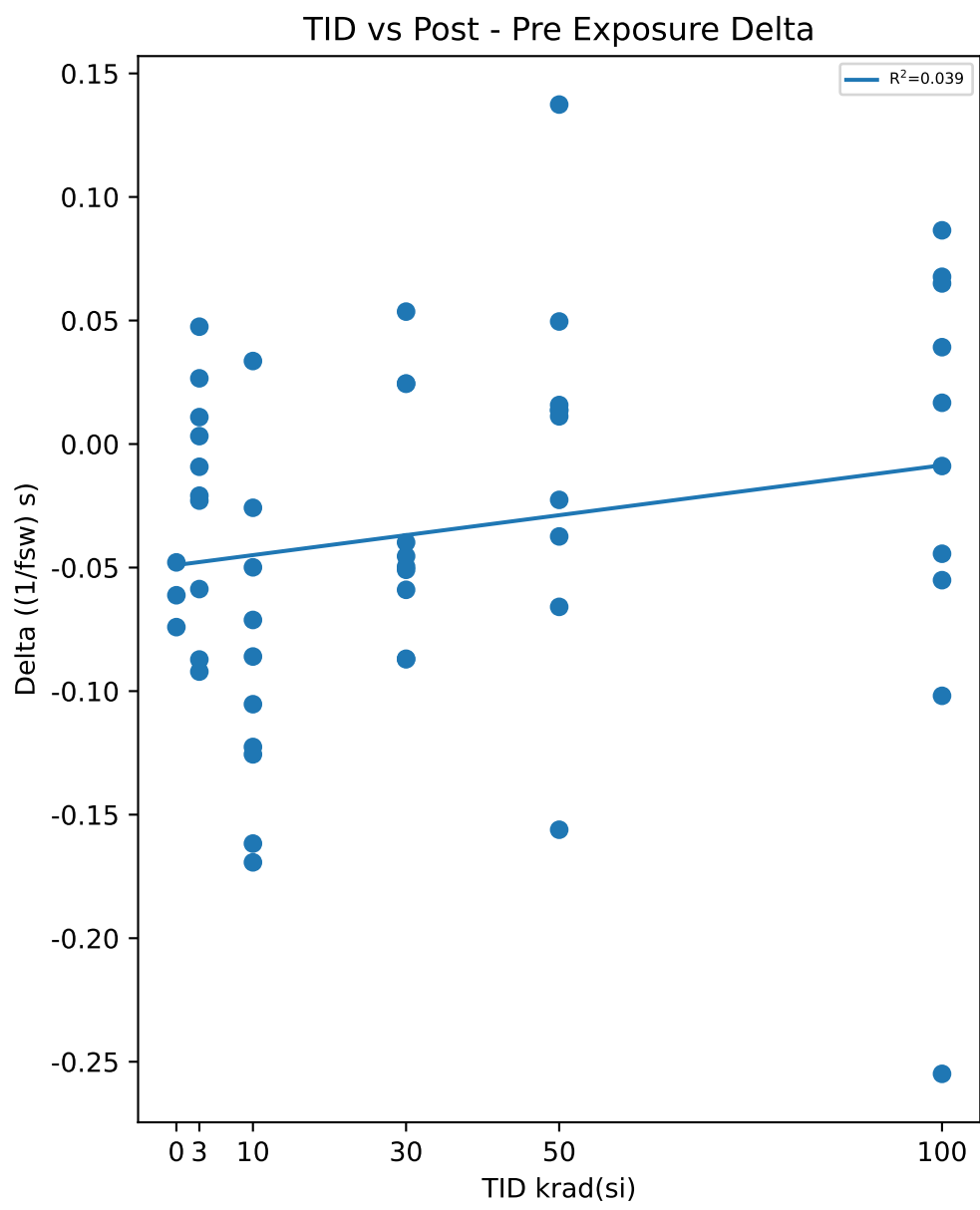
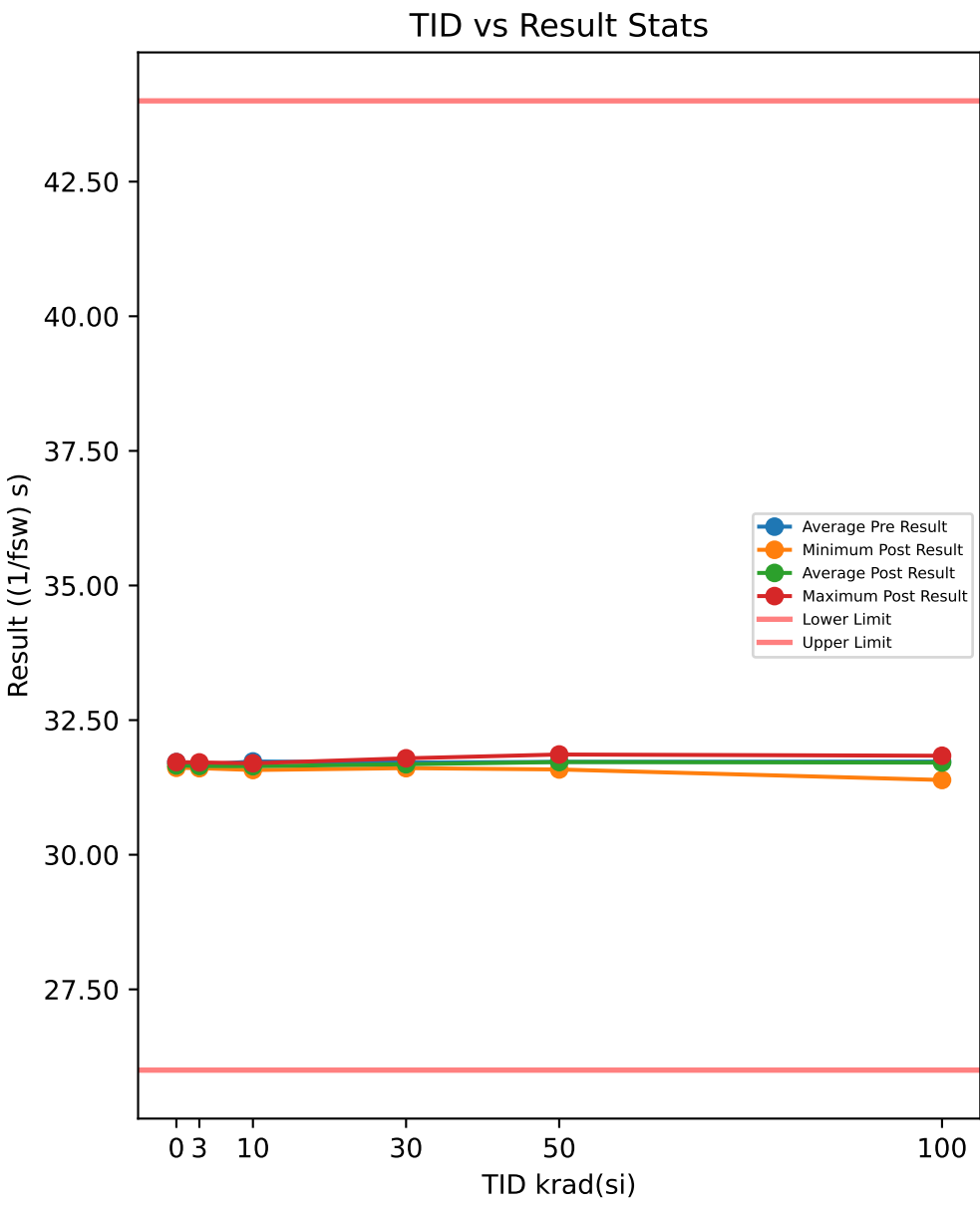
TID vs Post - Pre Exposure Delta



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)



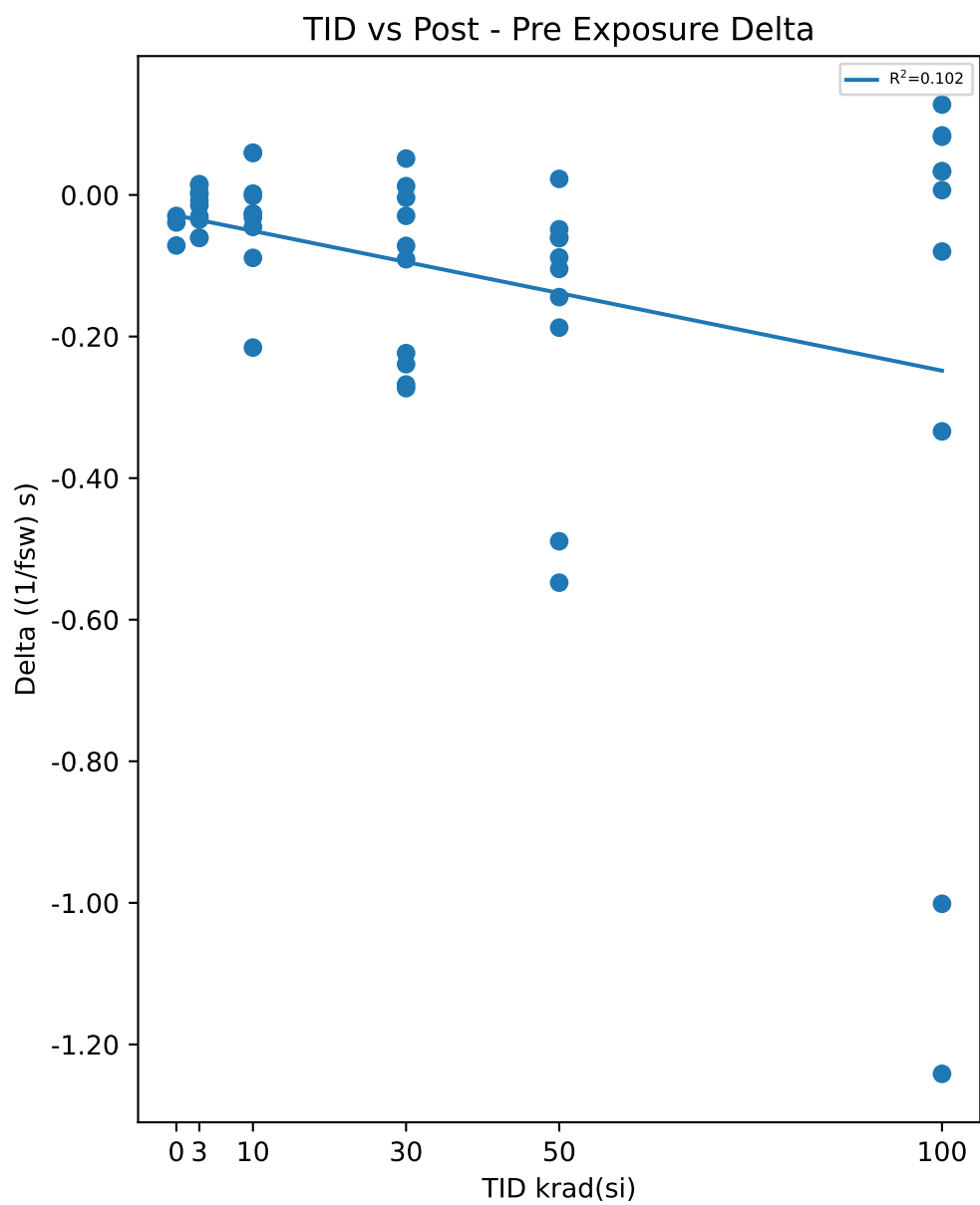
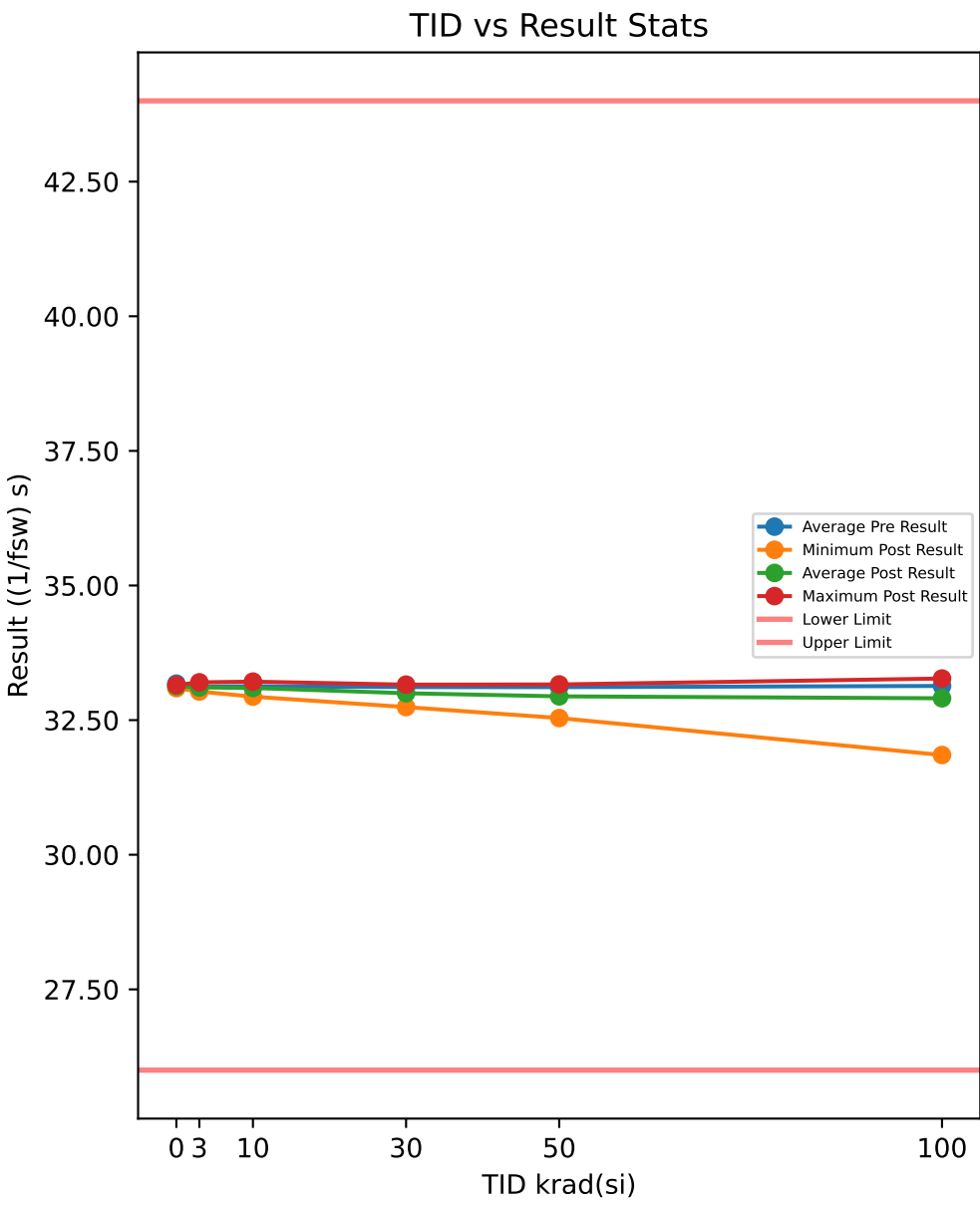
Test Results (Lower Limit = 26.0, Upper Limit = 44.0 ((1/fsw) s))

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)



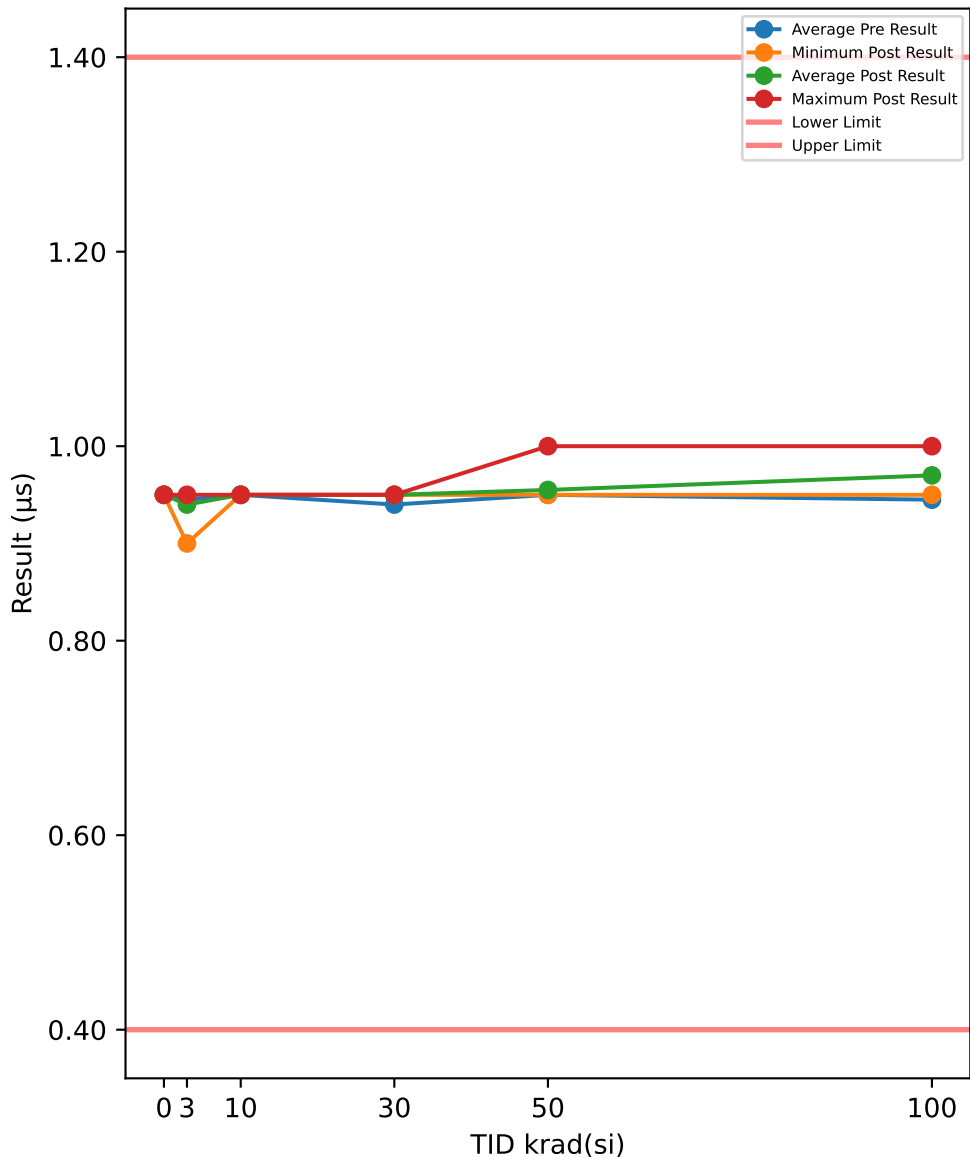
Test Results (Lower Limit = 26.0, Upper Limit = 44.0 ((1/fsw) s))

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

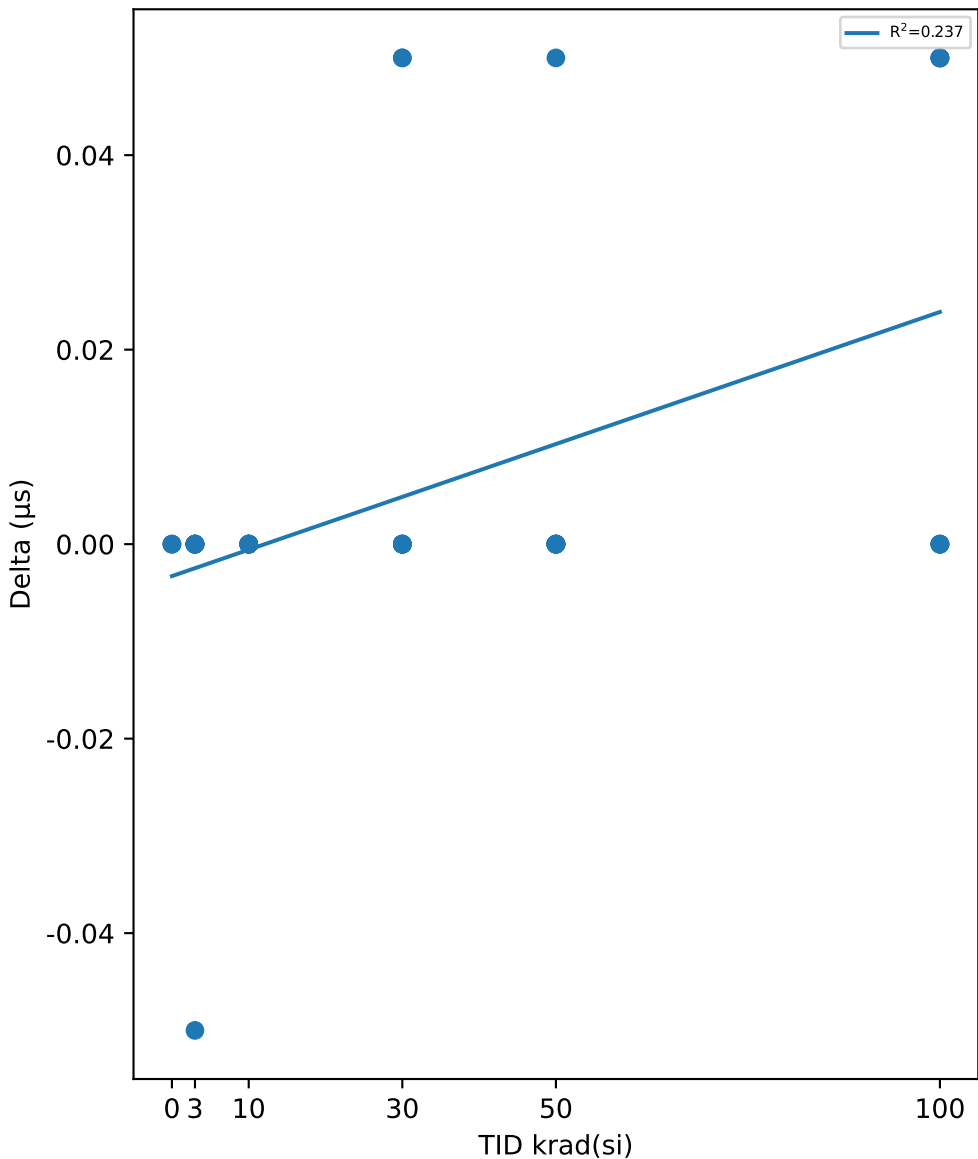
TID vs Result Stats



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

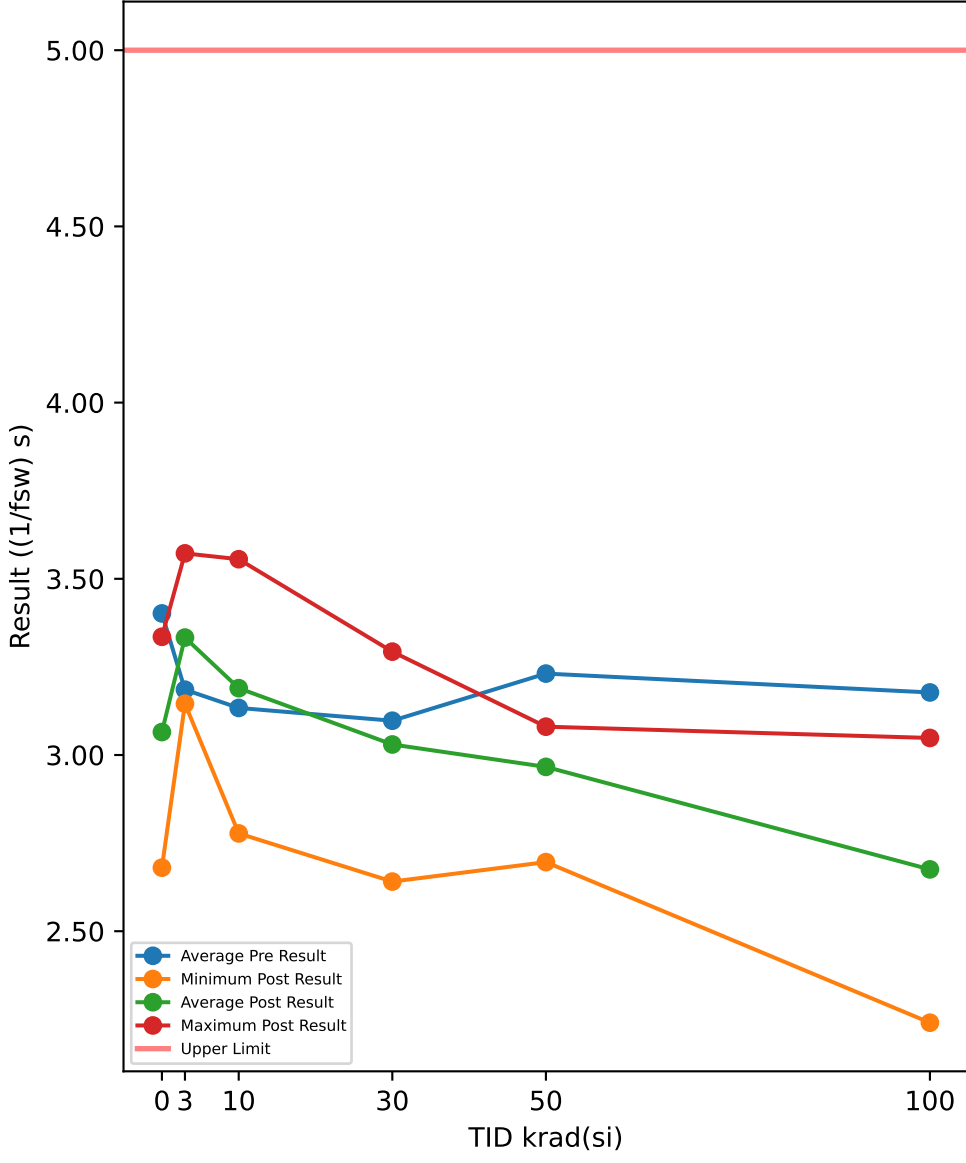
TID vs Post - Pre Exposure Delta



Test Statistics (µs)

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	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

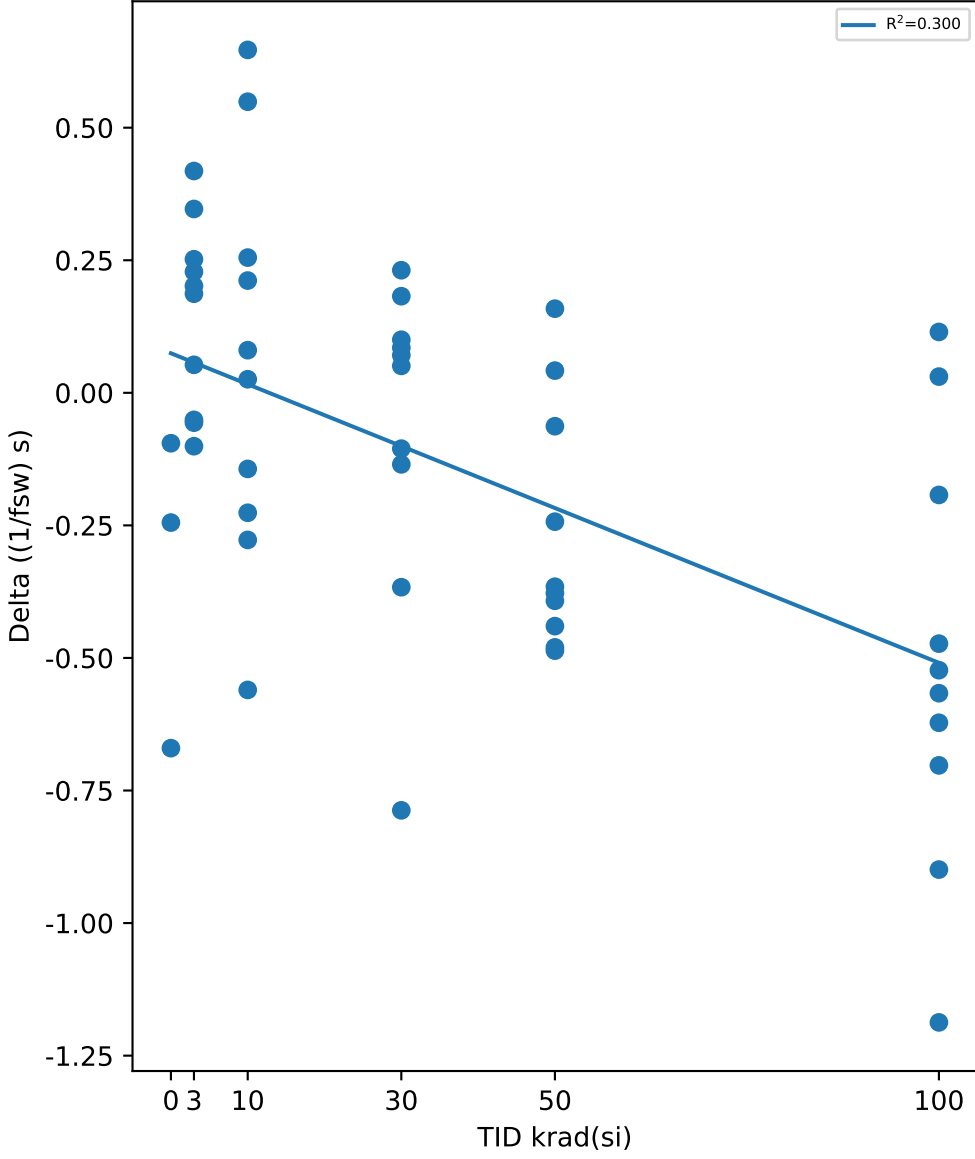
TID vs Result Stats



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

TID vs Post - Pre Exposure Delta

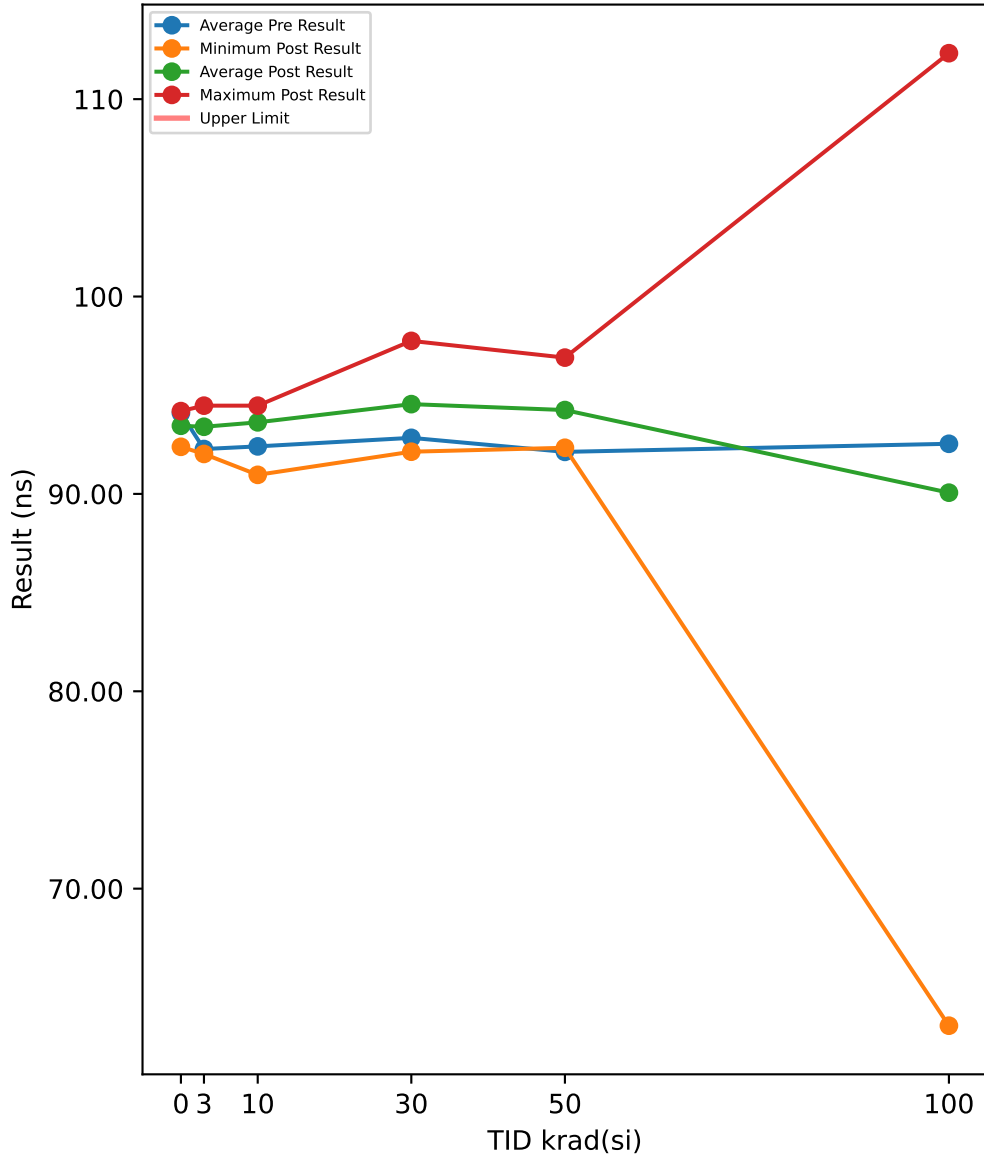


Test Statistics ((1/fsw) s)

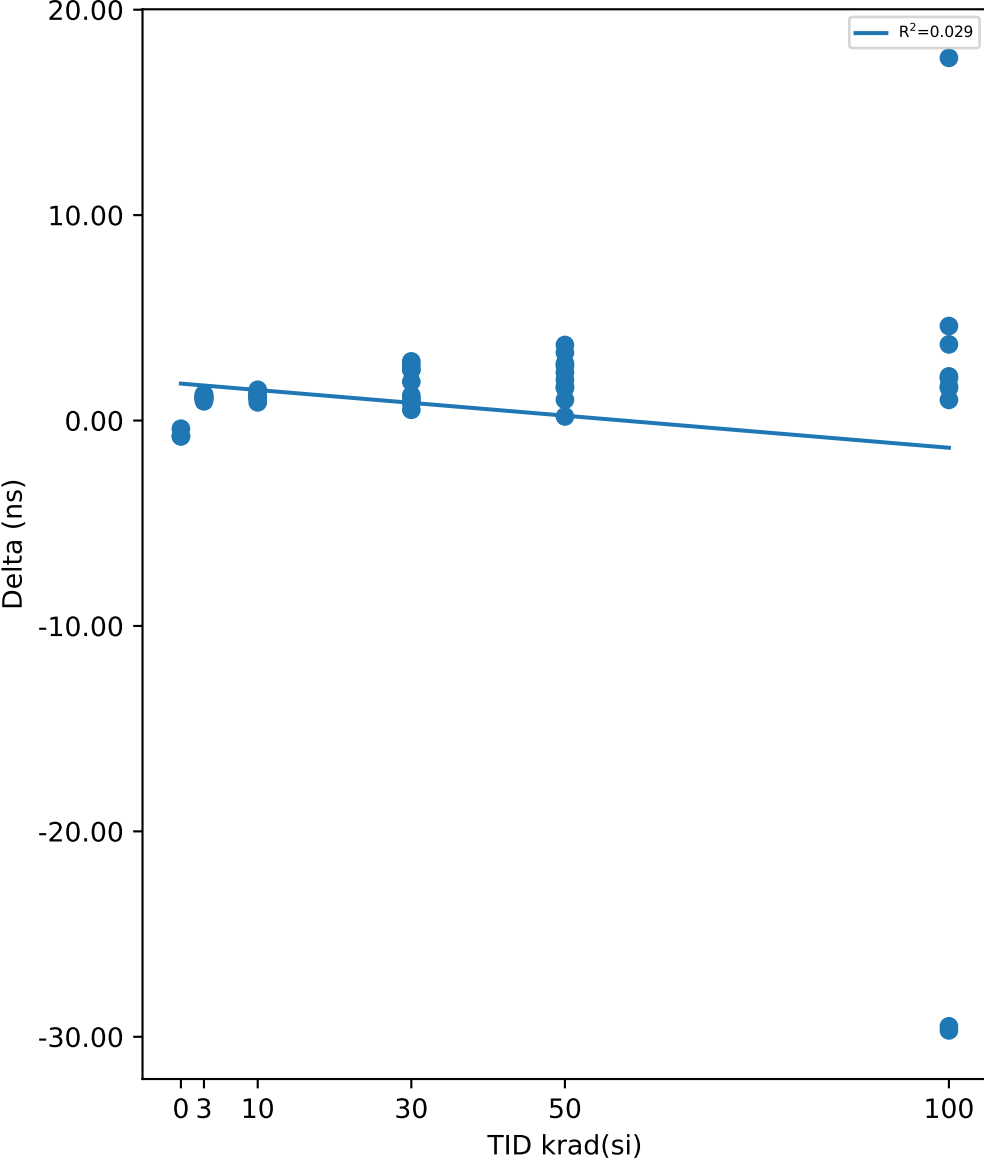
krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	3.2747	3.4018	3.5802	0.1591	2.6803	3.0651	3.3355	0.34227	-0.6701	-0.33663	-0.0951	0.29832
3	2.8116	3.1854	3.352	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)

TID vs Result Stats



TID vs Post - Pre Exposure Delta

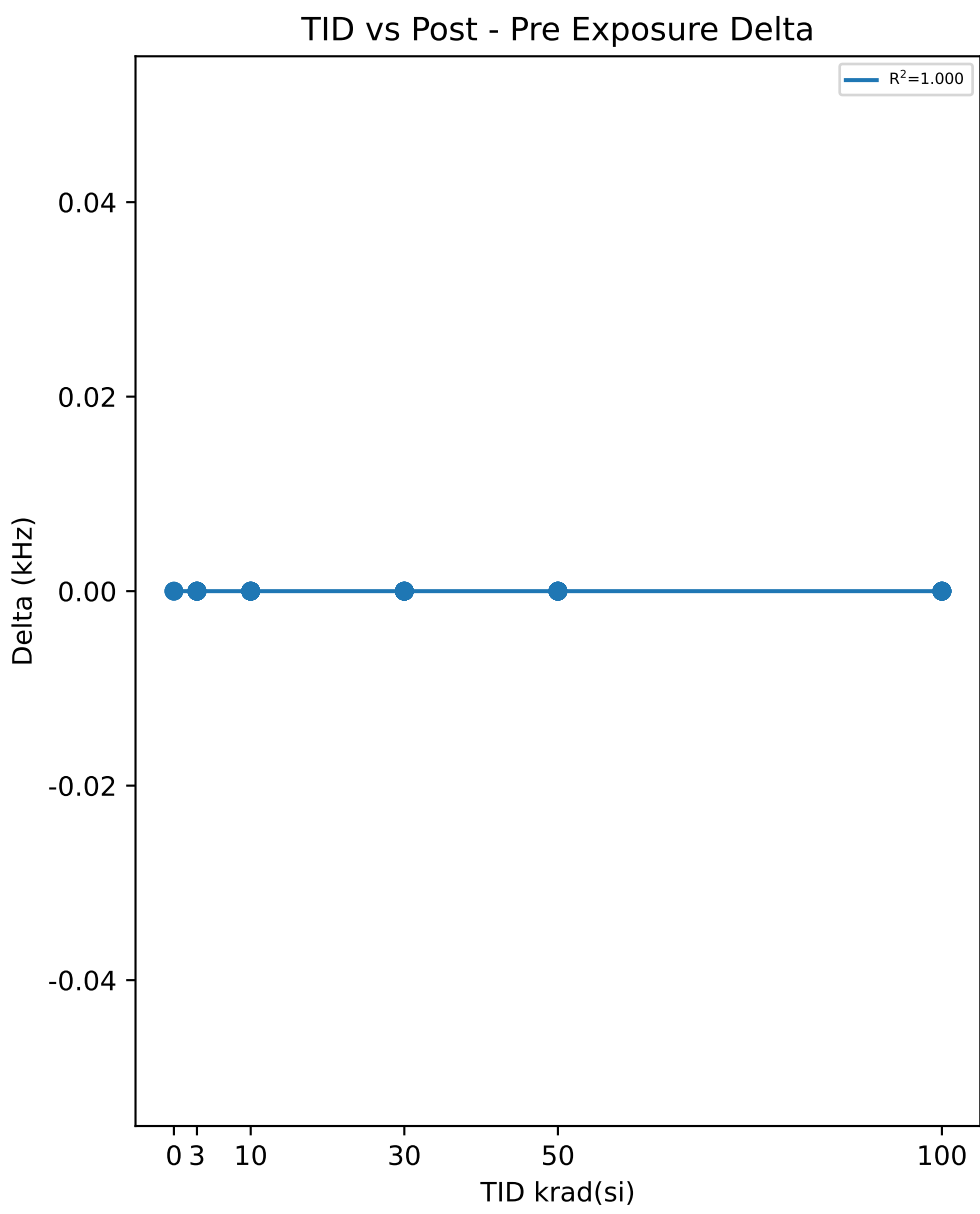
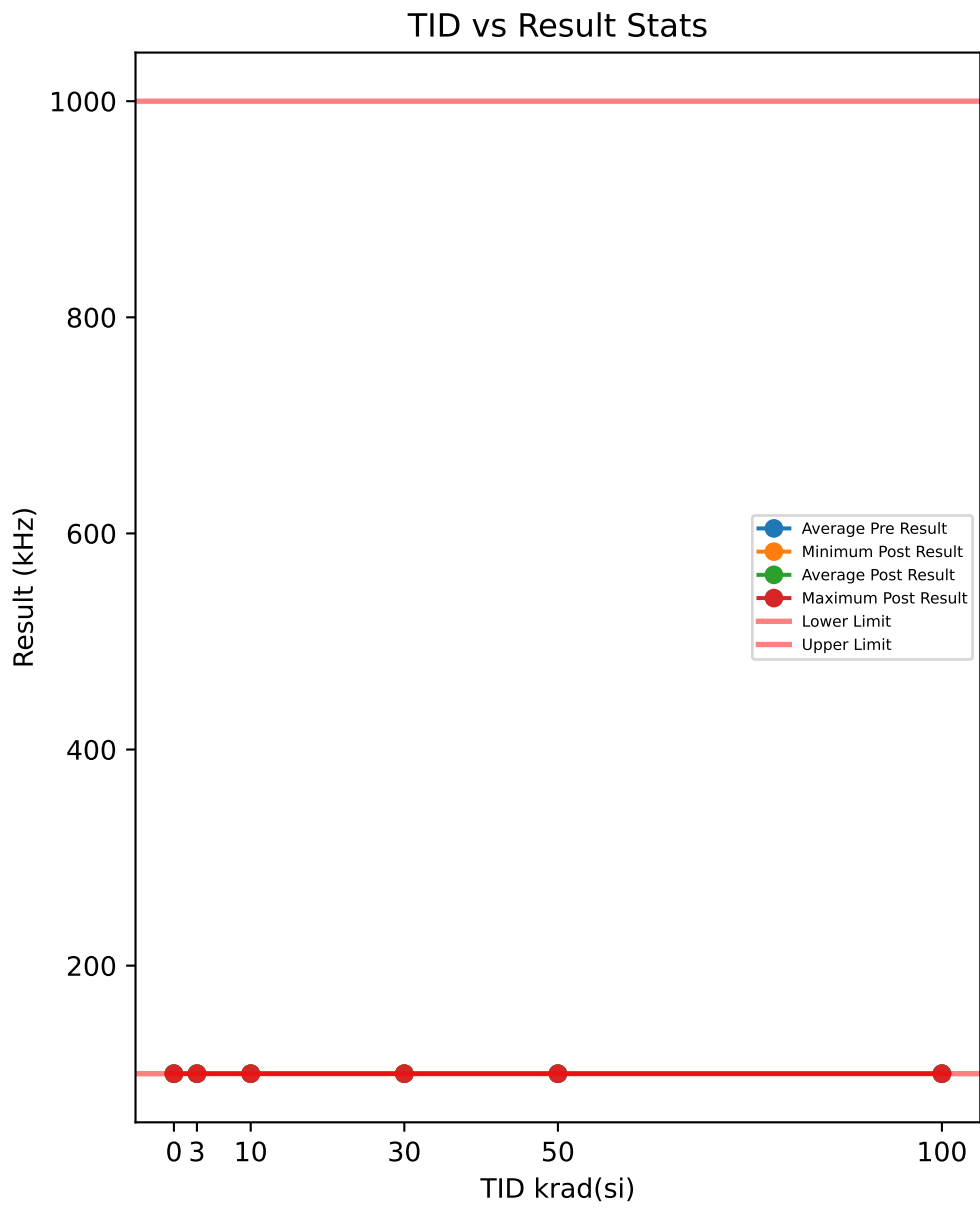


Test Results (No Limits Specified (ns))

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



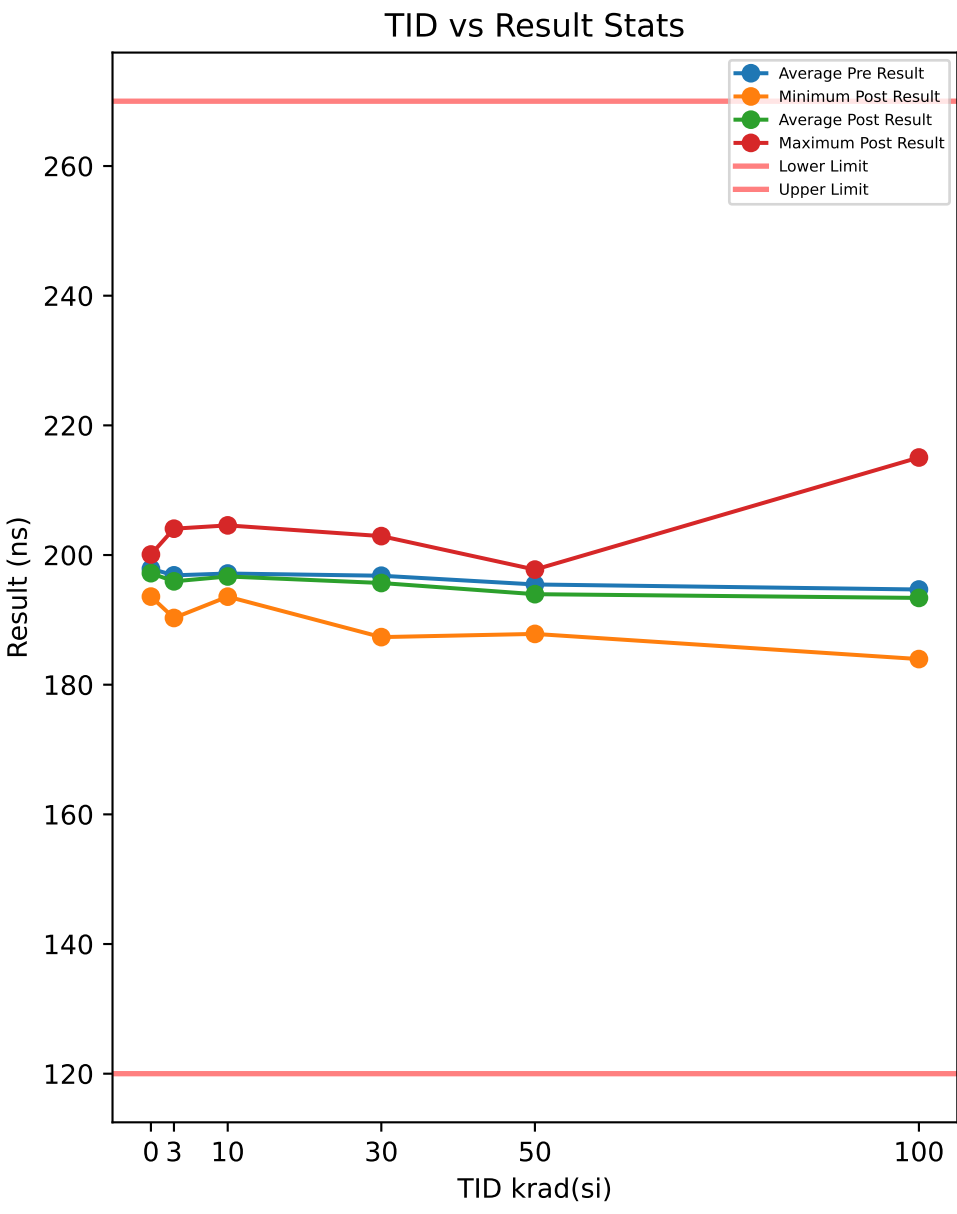
Test Results (Lower Limit = 100.0, Upper Limit = 1000.0 (kHz))

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)

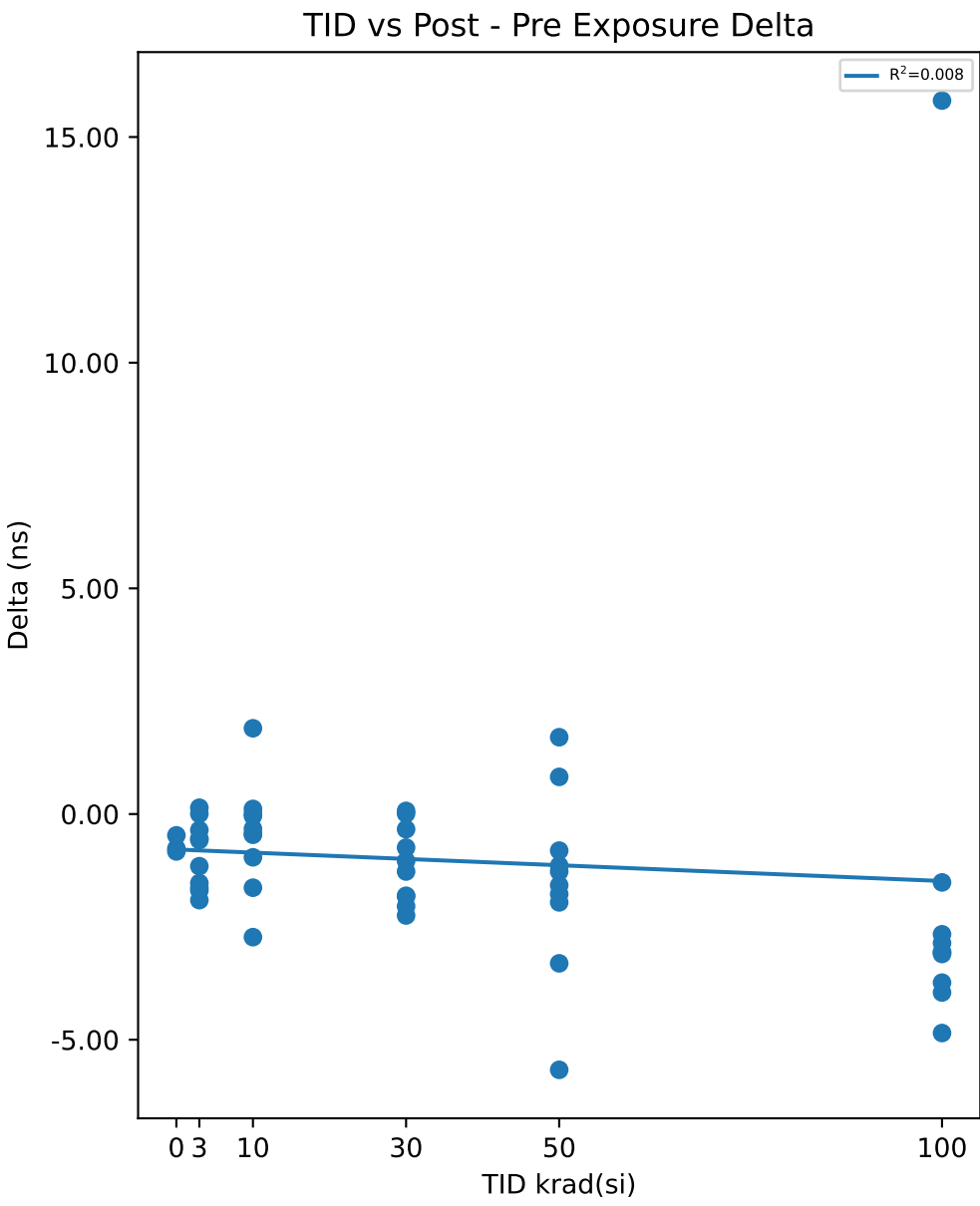
krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	100	100	100	0	100	100	100	0	0	0	0	0
3	100	100	100	0	100	100	100	0	0	0	0	0
10	100	100	100	0	100	100	100	0	0	0	0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

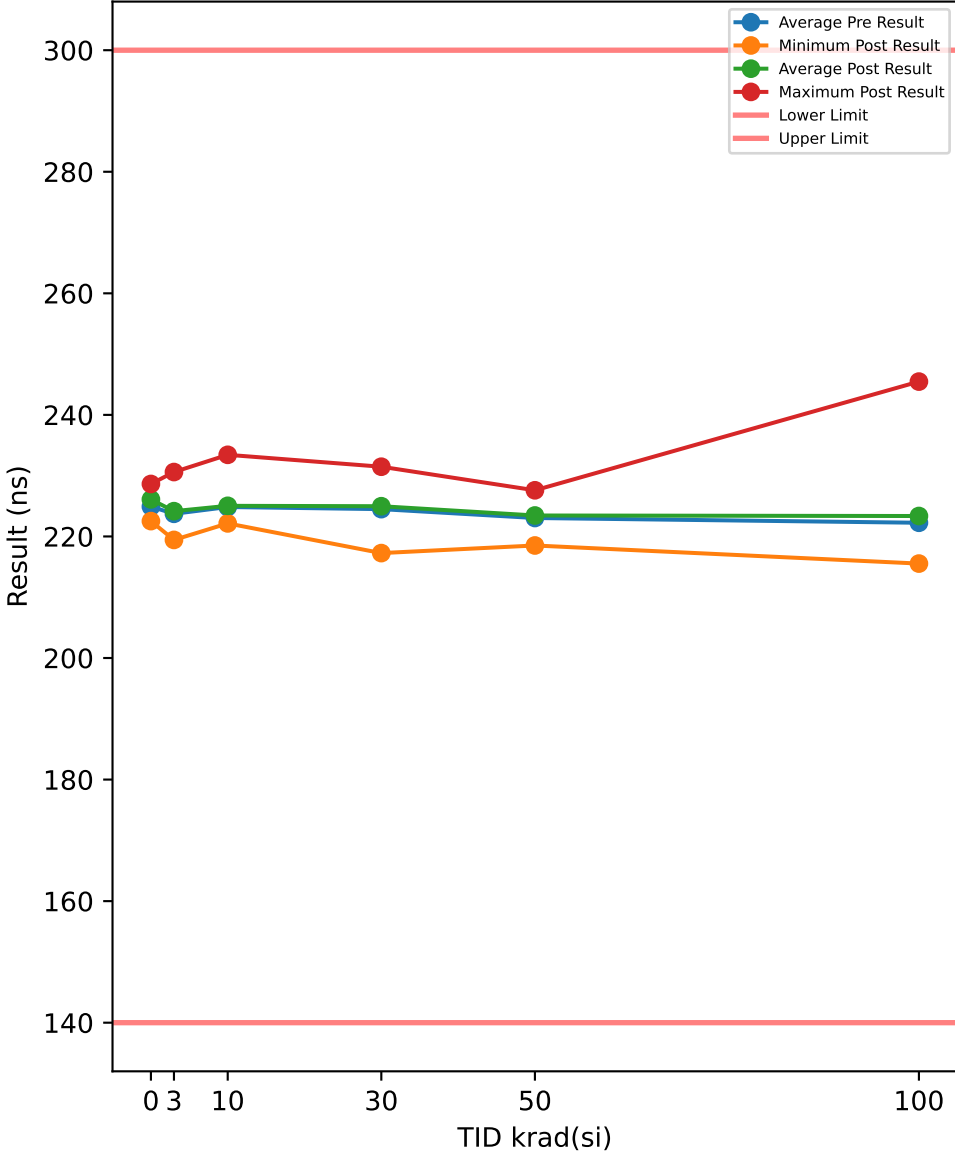
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
390	100	Biased	192.28	189.22	-3.0585
392	100	Biased	193.92	191.26	-2.6638
393	100	Biased	191.27	186.41	-4.8518
394	100	Biased	192.69	189.83	-2.8587
395	100	Biased	194.68	191.58	-3.1002
412	100	Unbiased	197.24	193.29	-3.9537
413	100	Unbiased	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

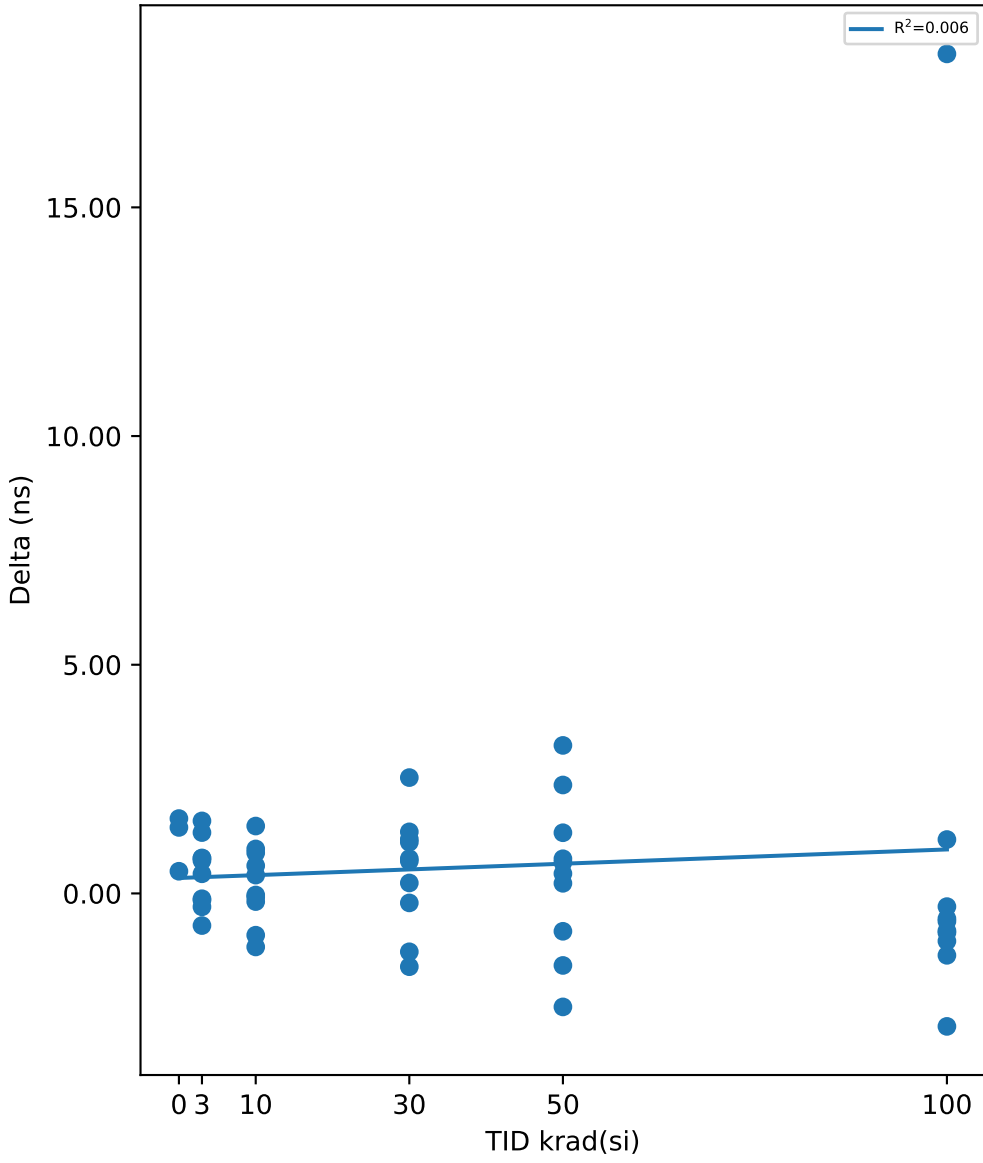
TID vs Result Stats



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

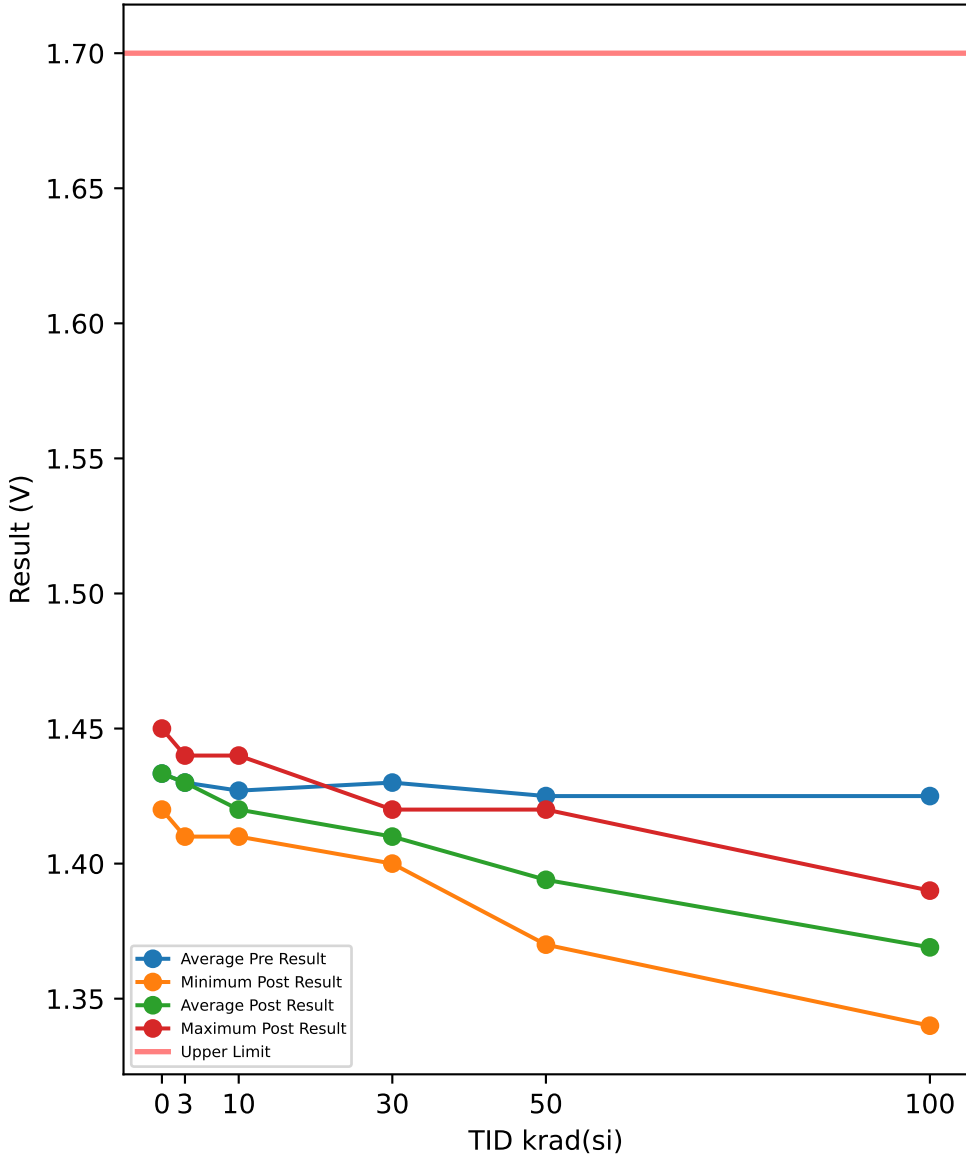
TID vs Post - Pre Exposure Delta



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

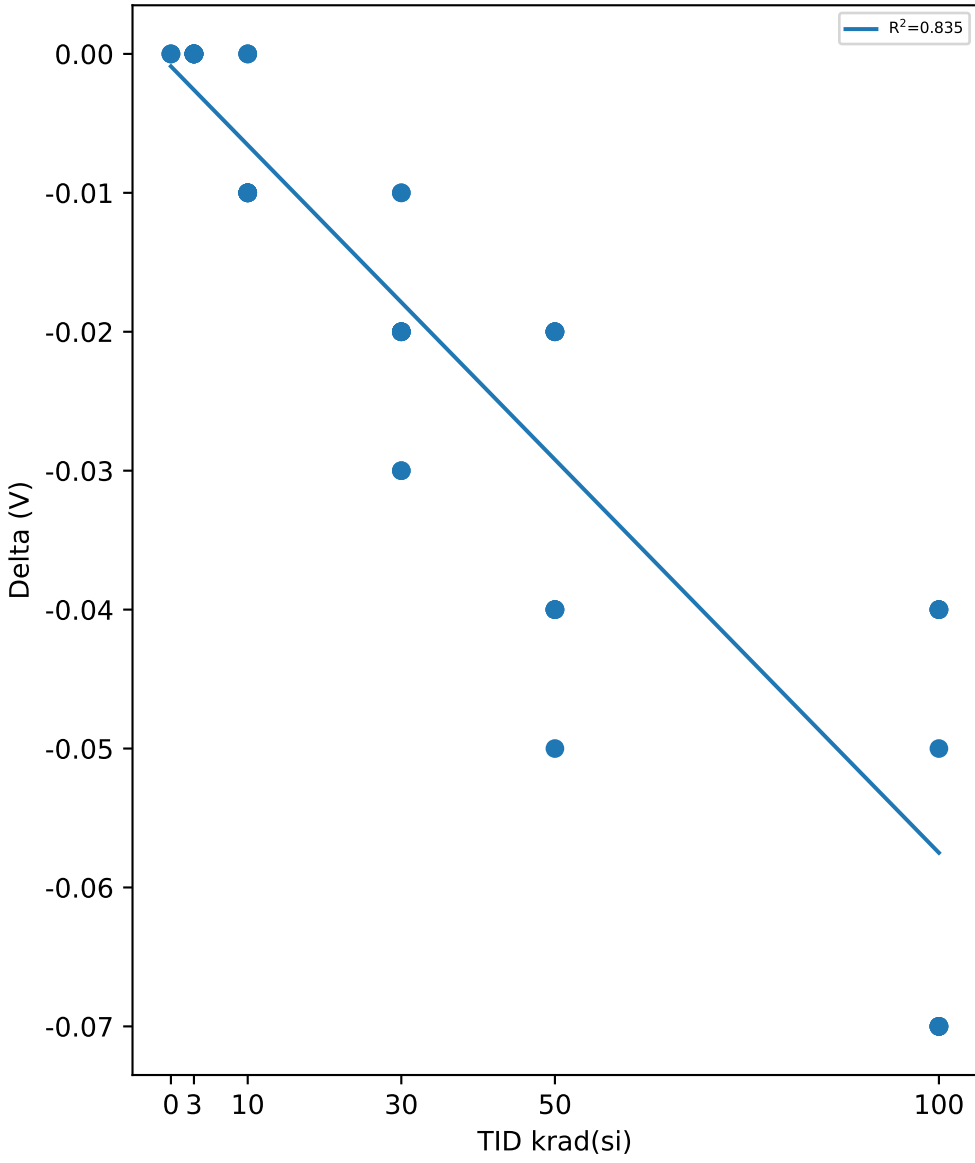
TID vs Result Stats



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

TID vs Post - Pre Exposure Delta

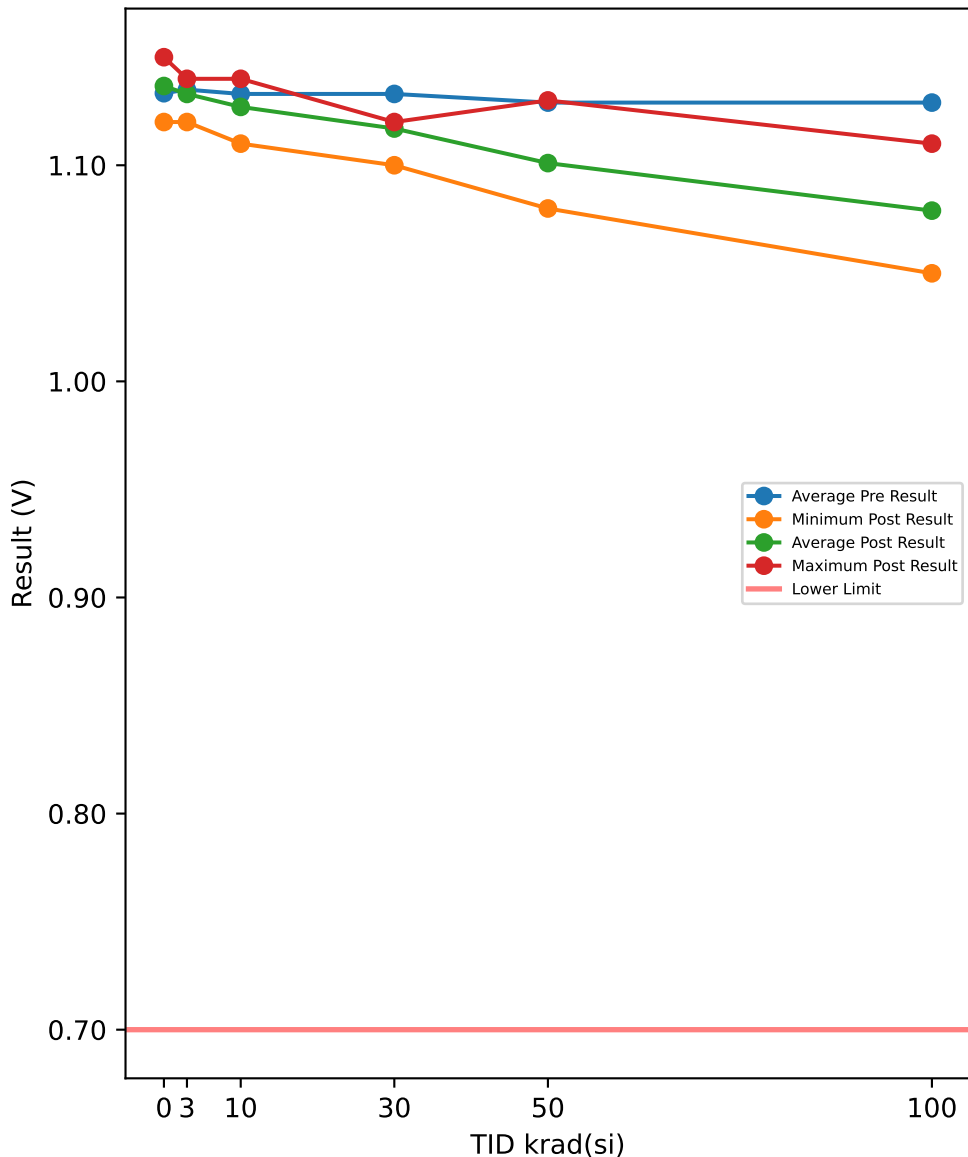


Test Statistics (V)

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	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)

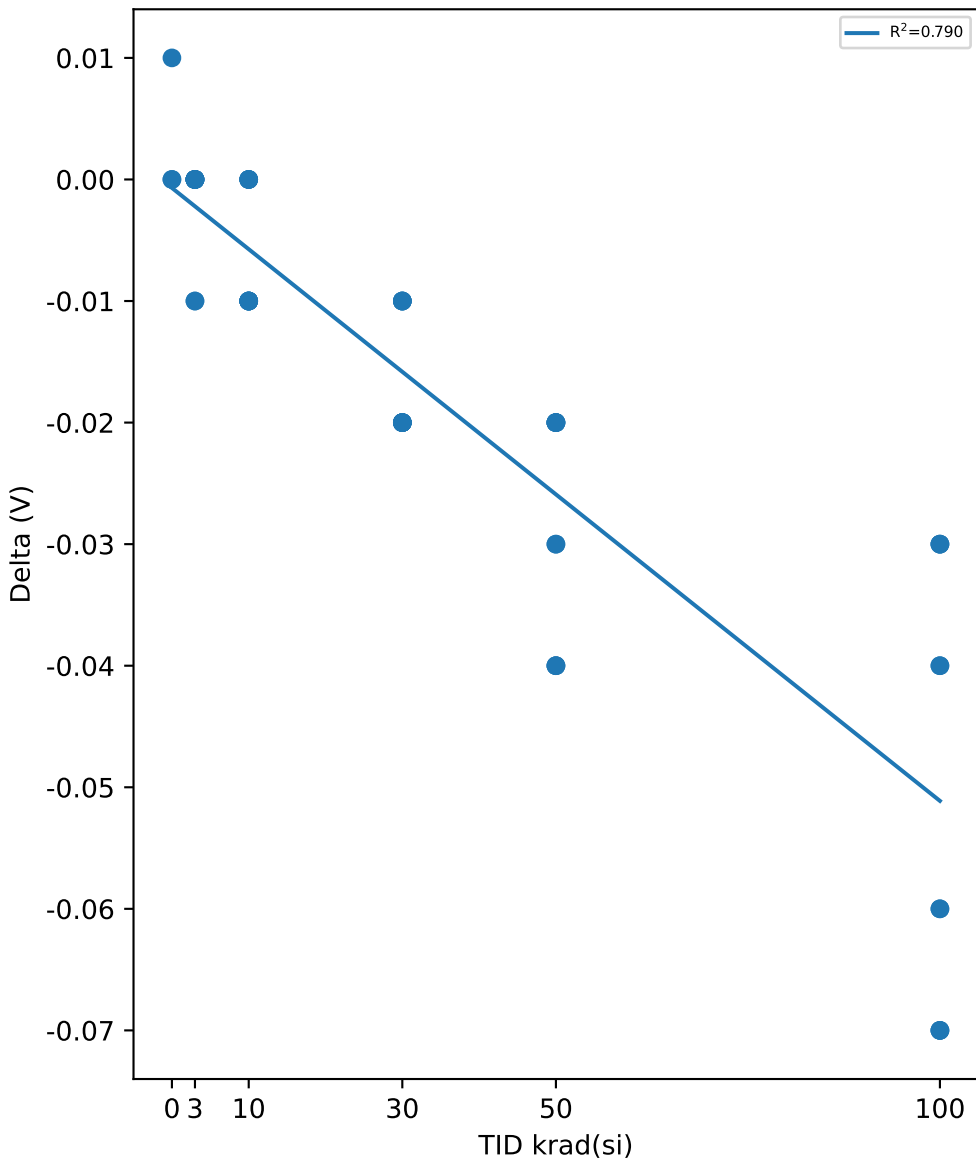
TID vs Result Stats



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

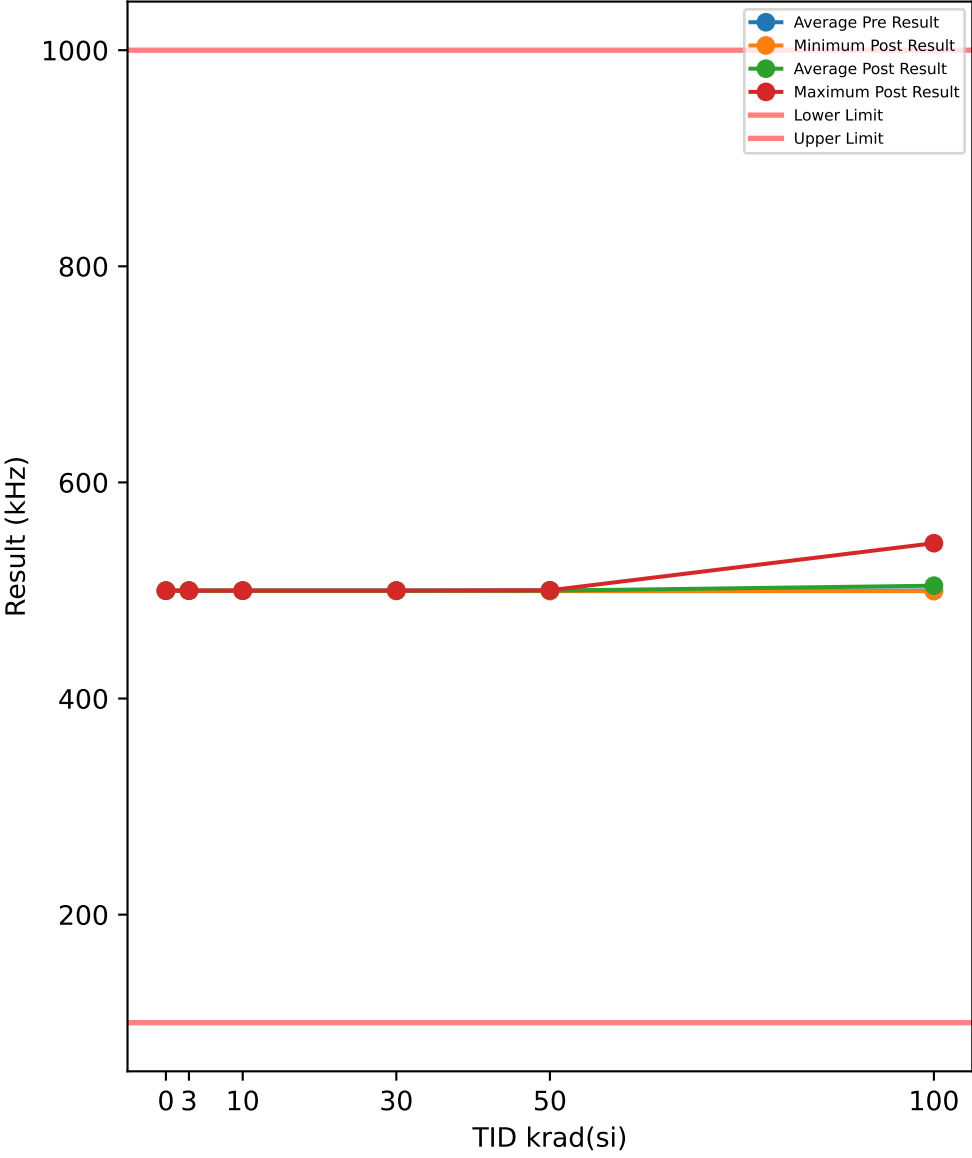
TID vs Post - Pre Exposure Delta



Test Statistics (V)

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	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

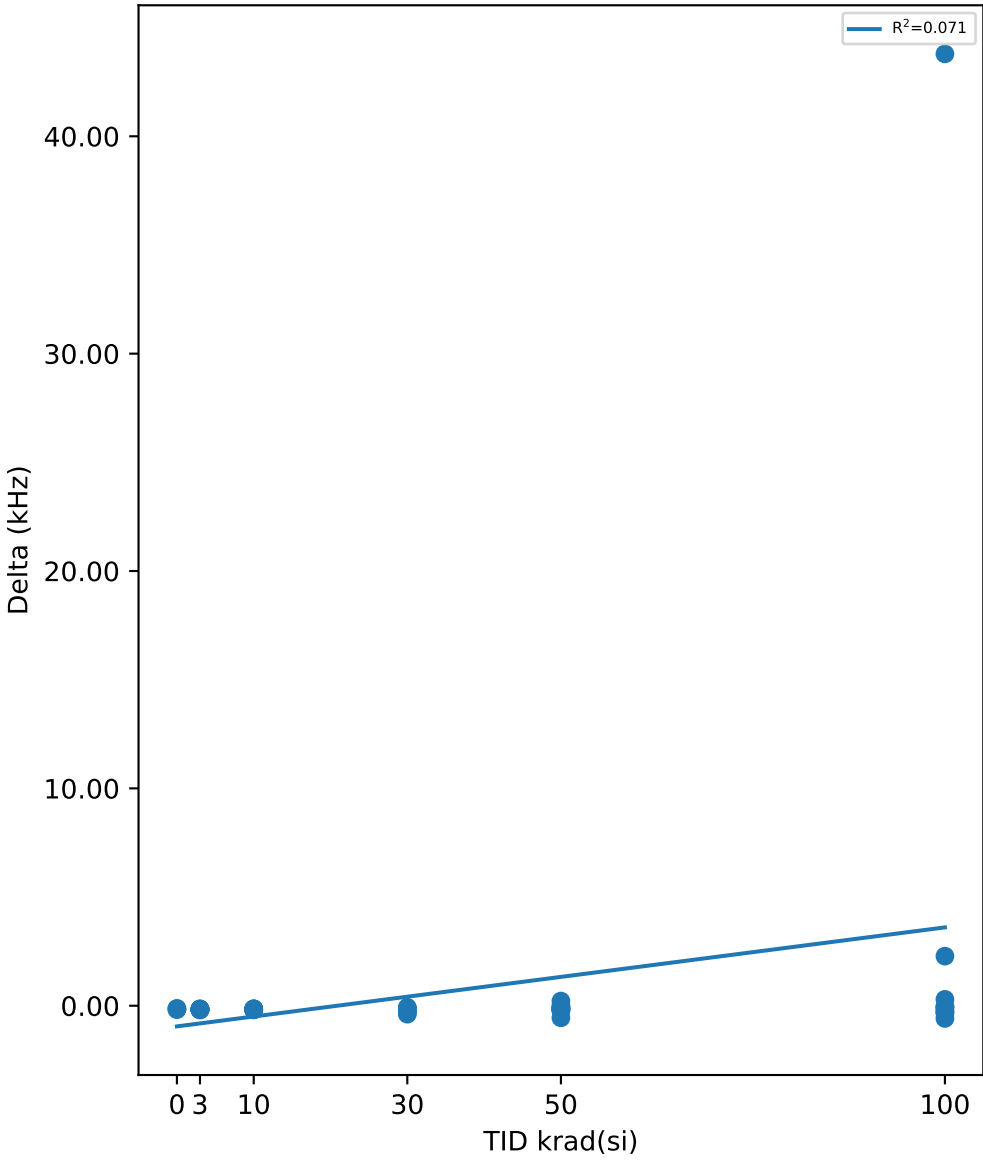
TID vs Result Stats



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

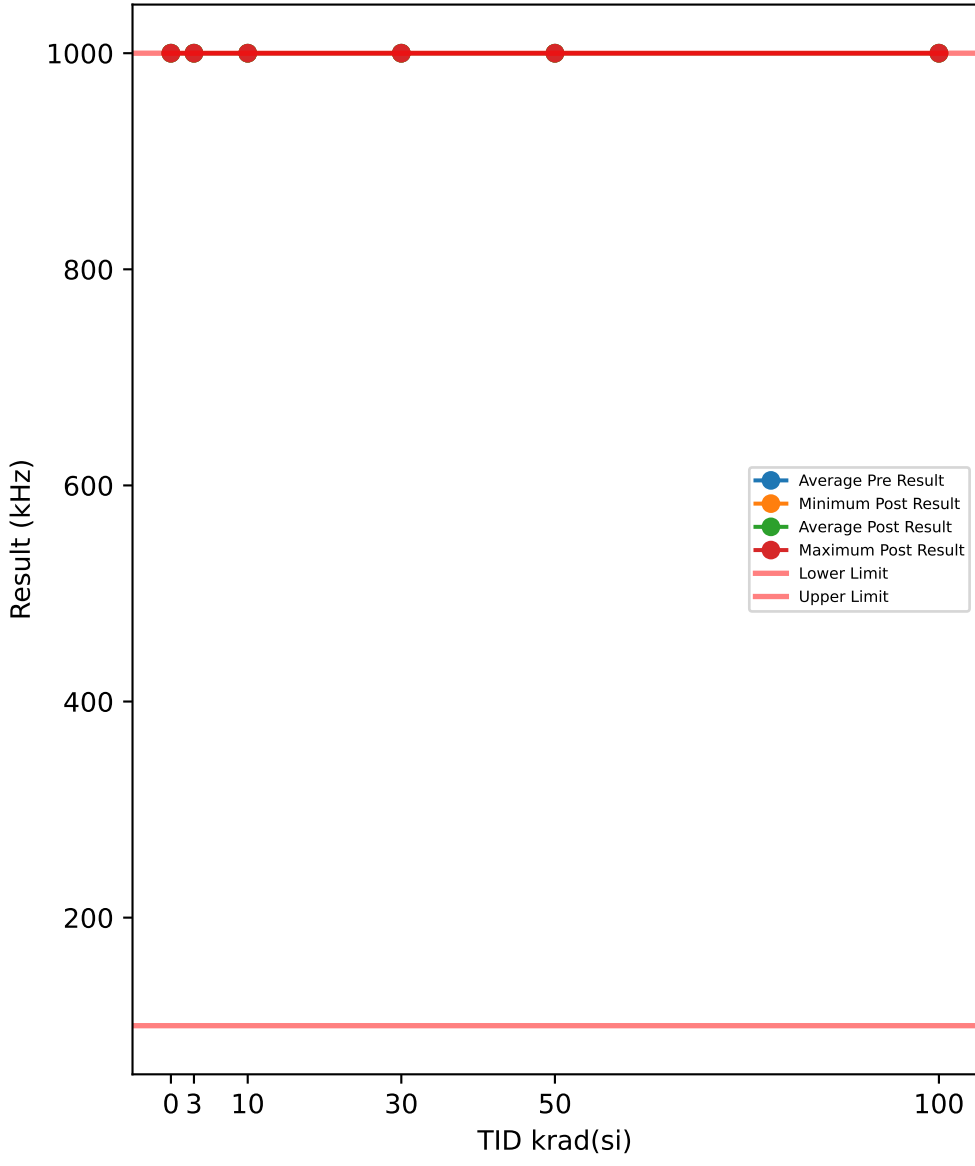
TID vs Post - Pre Exposure Delta



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

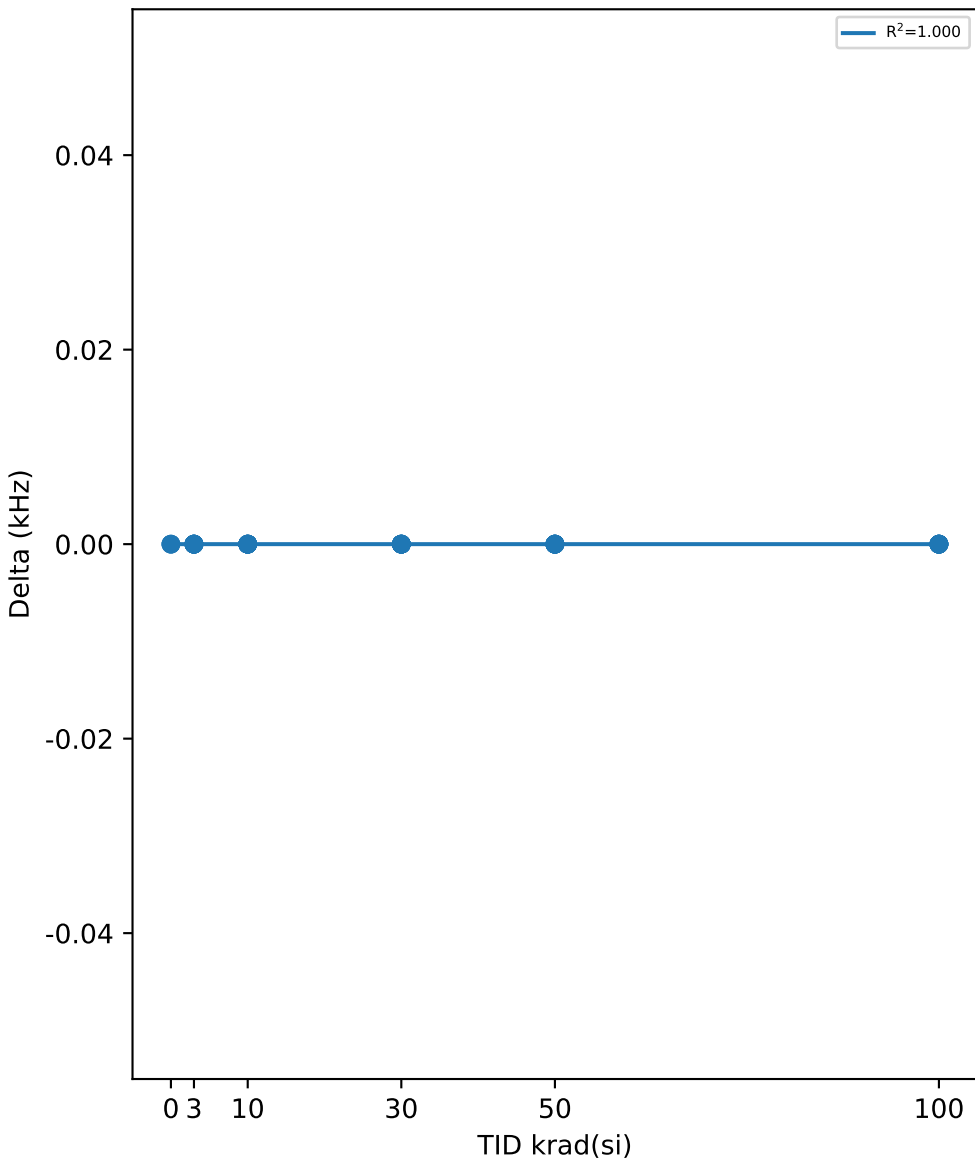
TID vs Result Stats



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

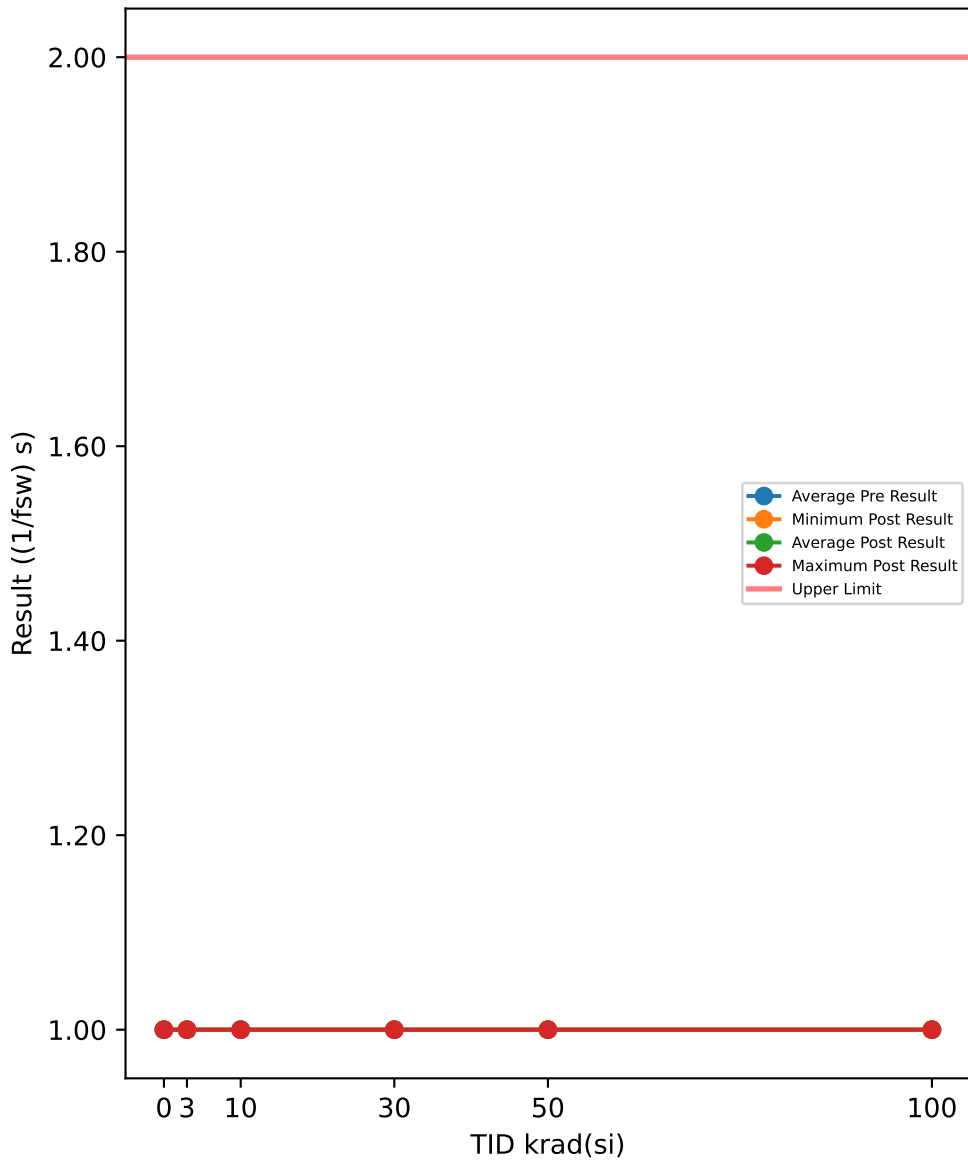
TID vs Post - Pre Exposure Delta



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

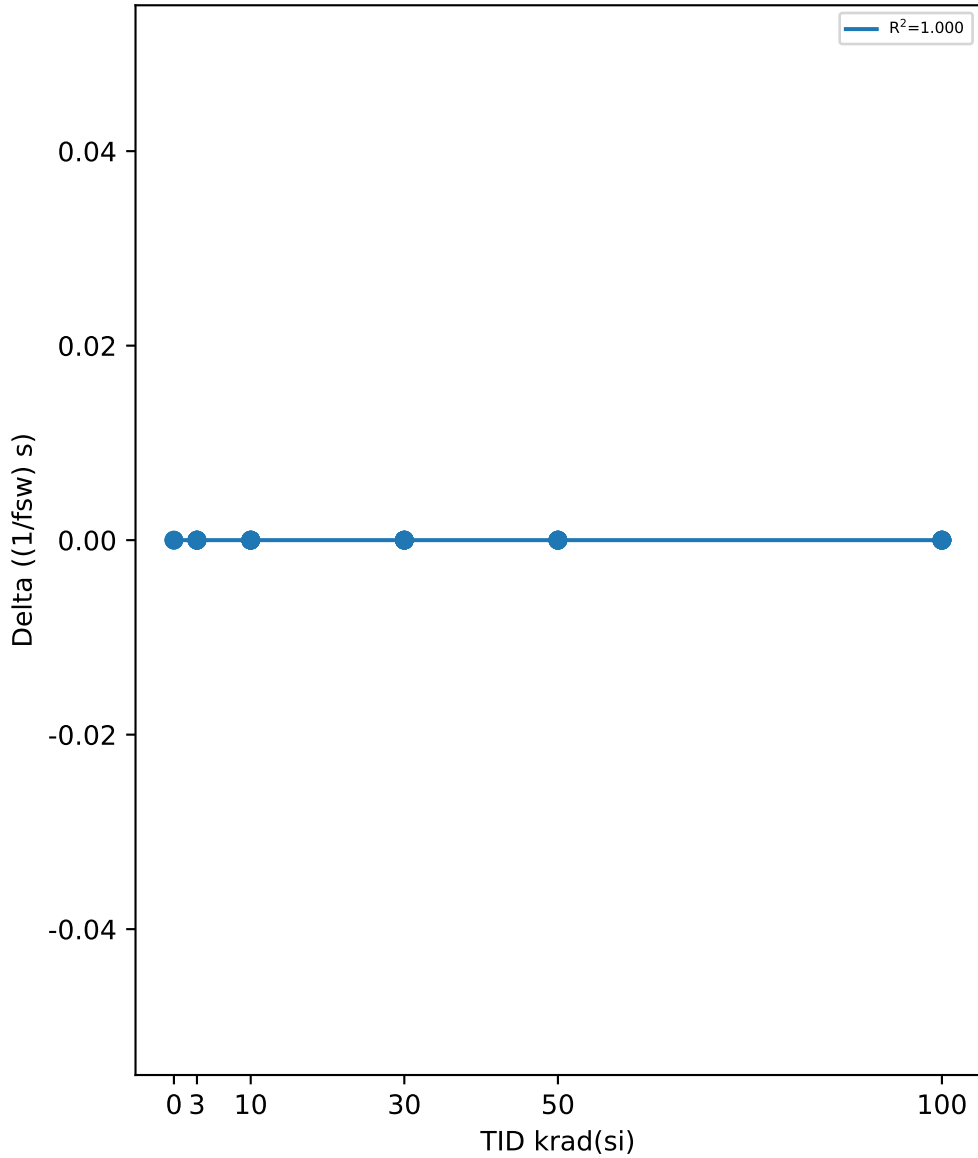
TID vs Result Stats



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

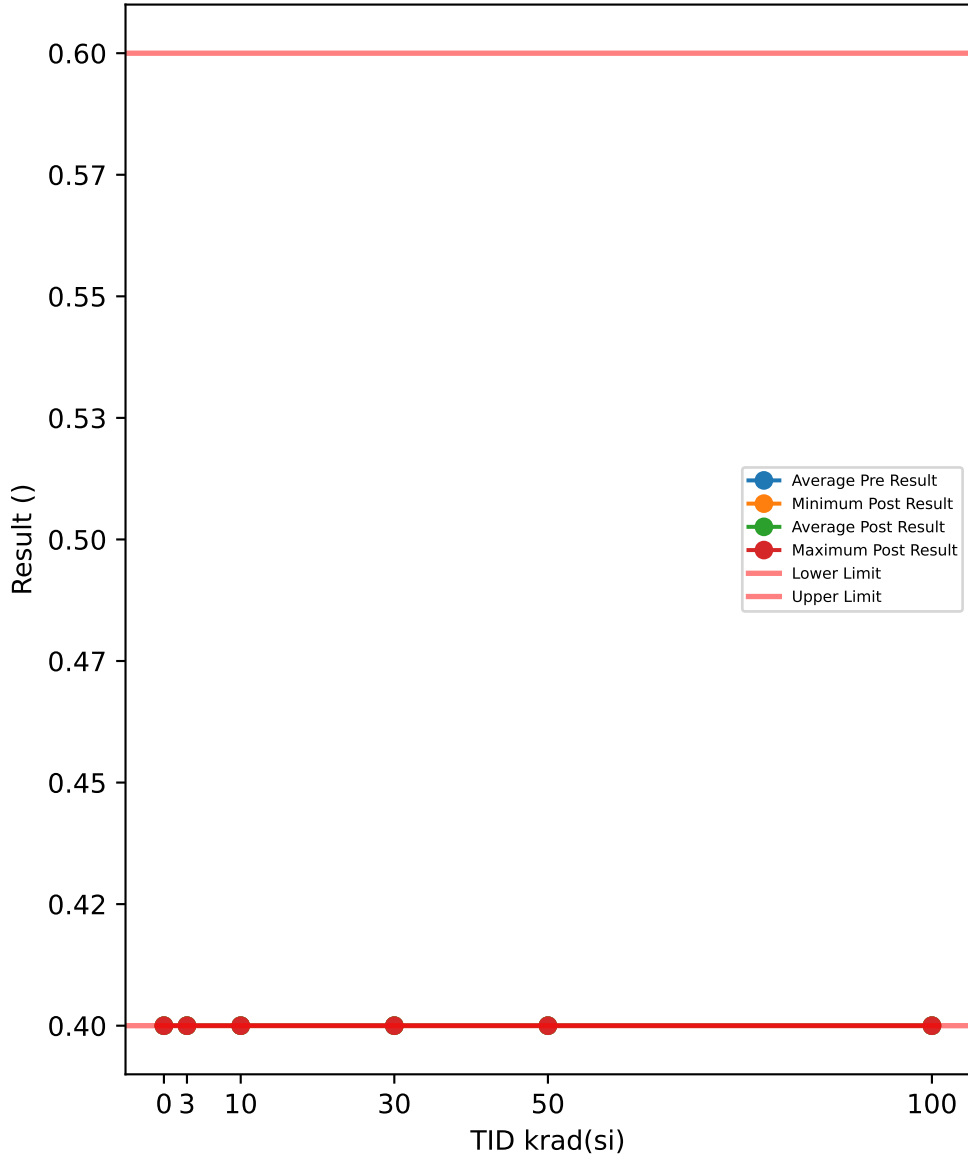
TID vs Post - Pre Exposure Delta



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

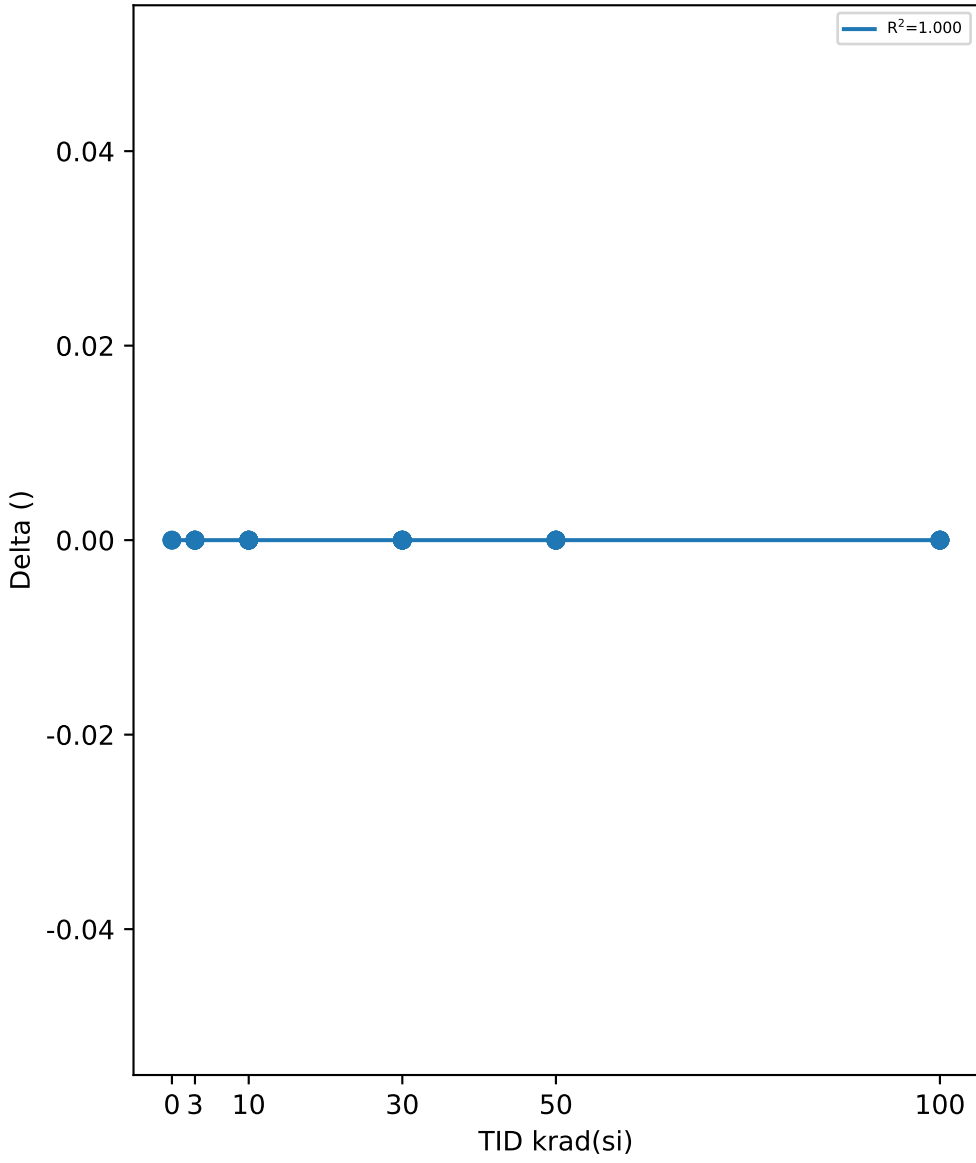
TID vs Result Stats



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

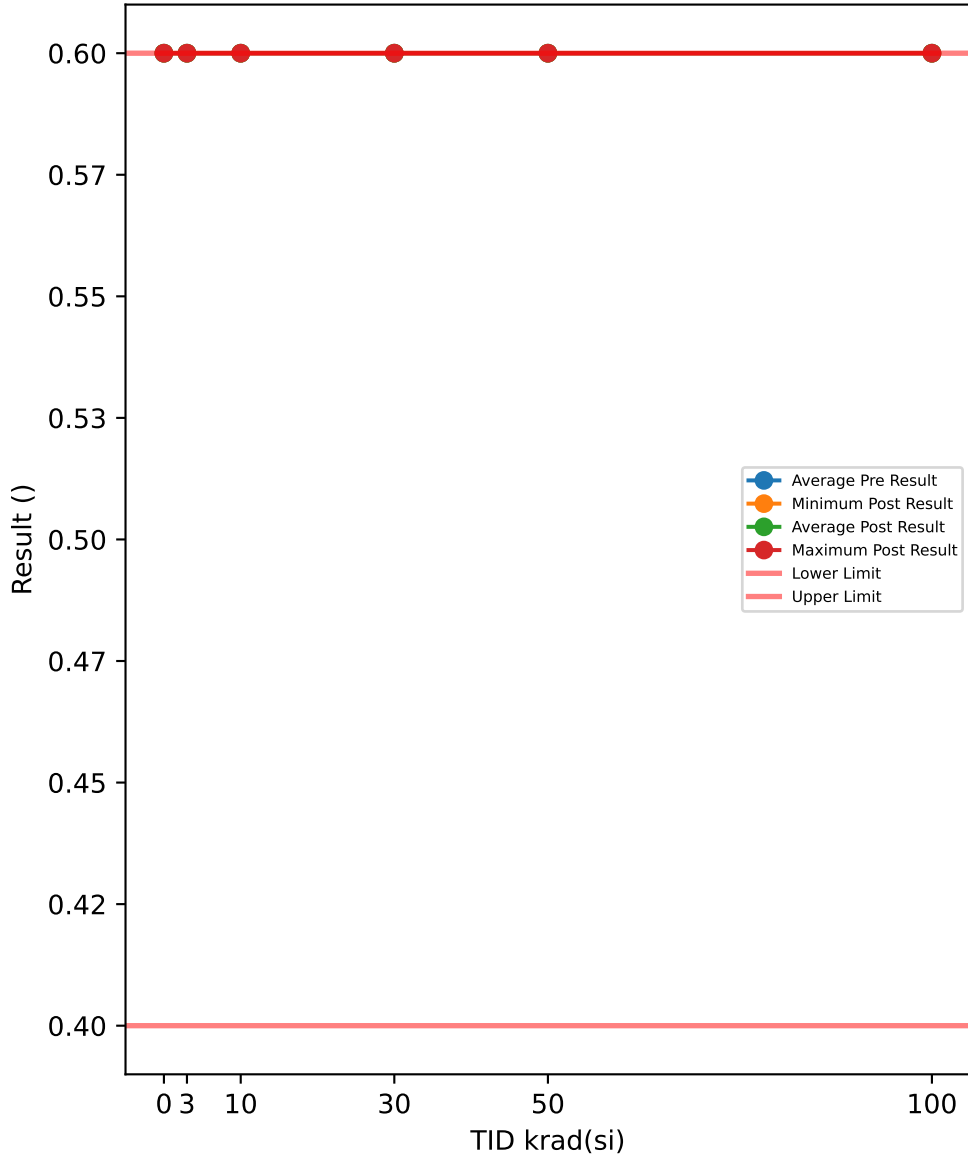
TID vs Post - Pre Exposure Delta



Test Statistics ()

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	0.4	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

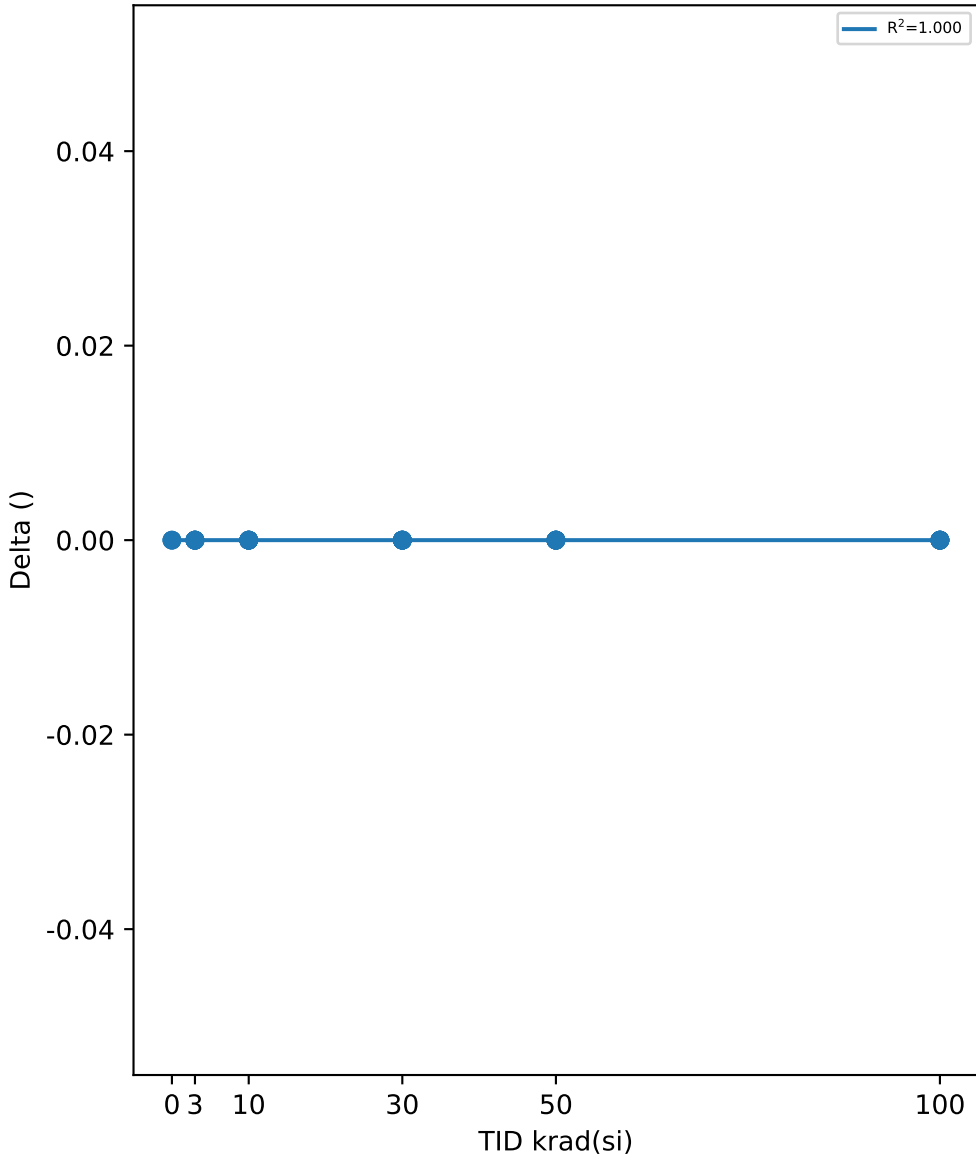
TID vs Result Stats



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

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

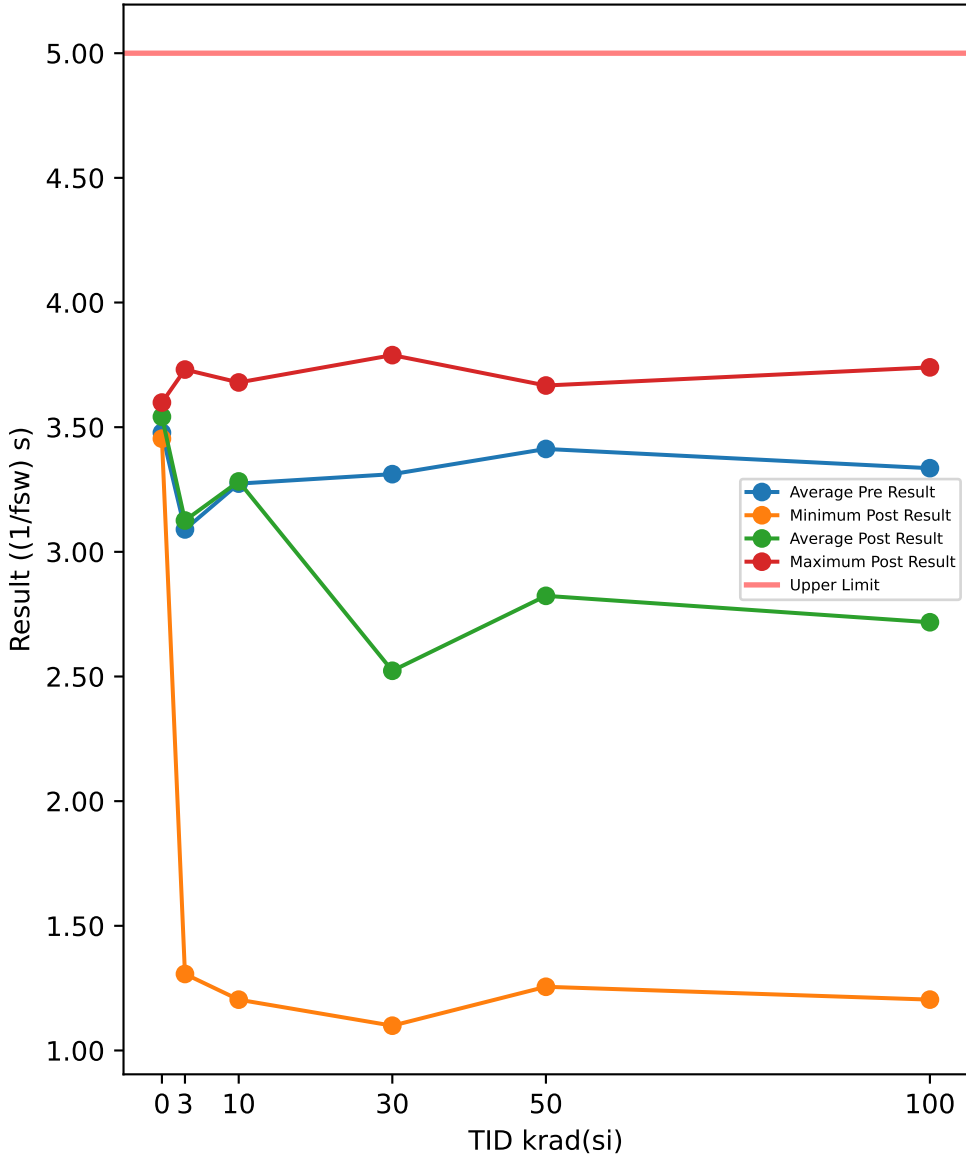
TID vs Post - Pre Exposure Delta



Test Statistics (s)

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	0.6	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

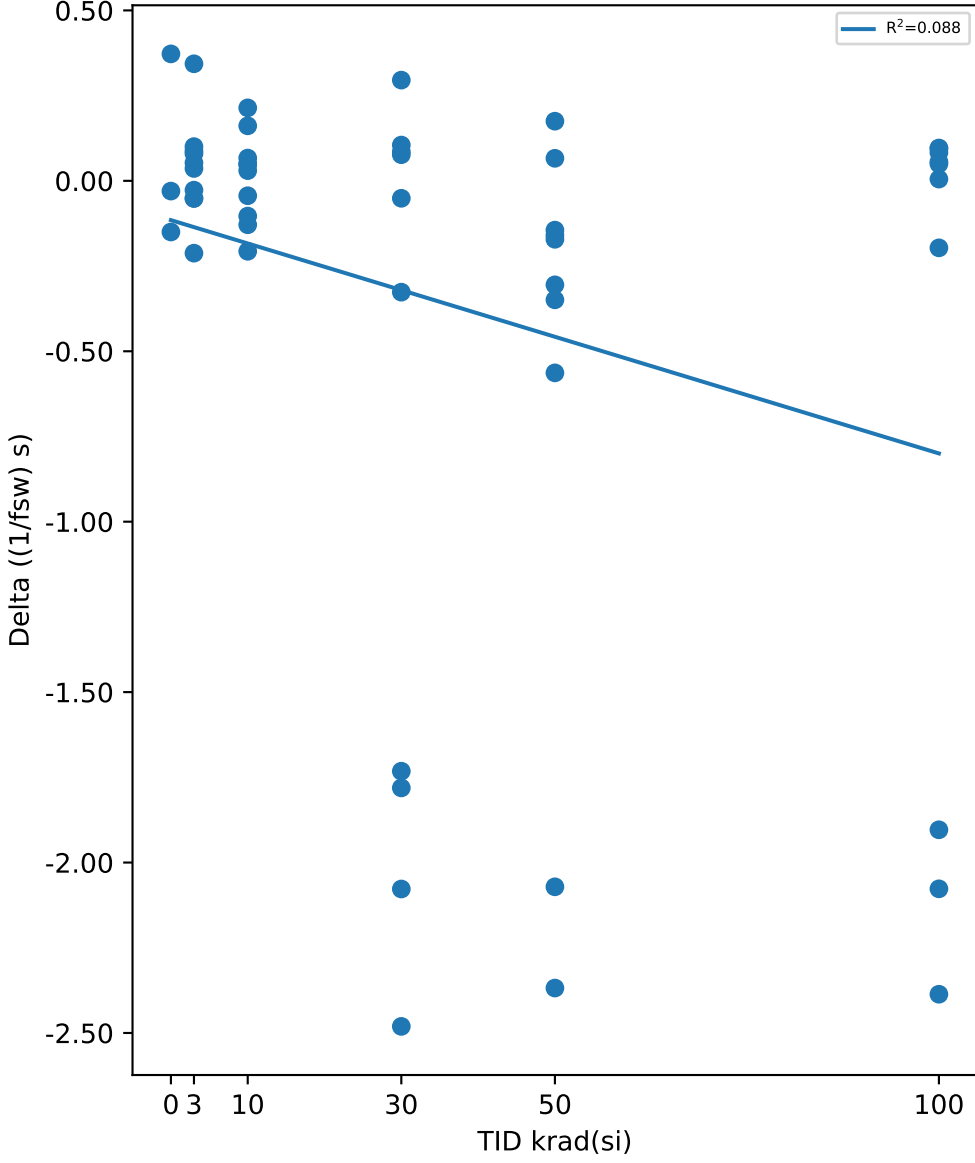
TID vs Result Stats



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

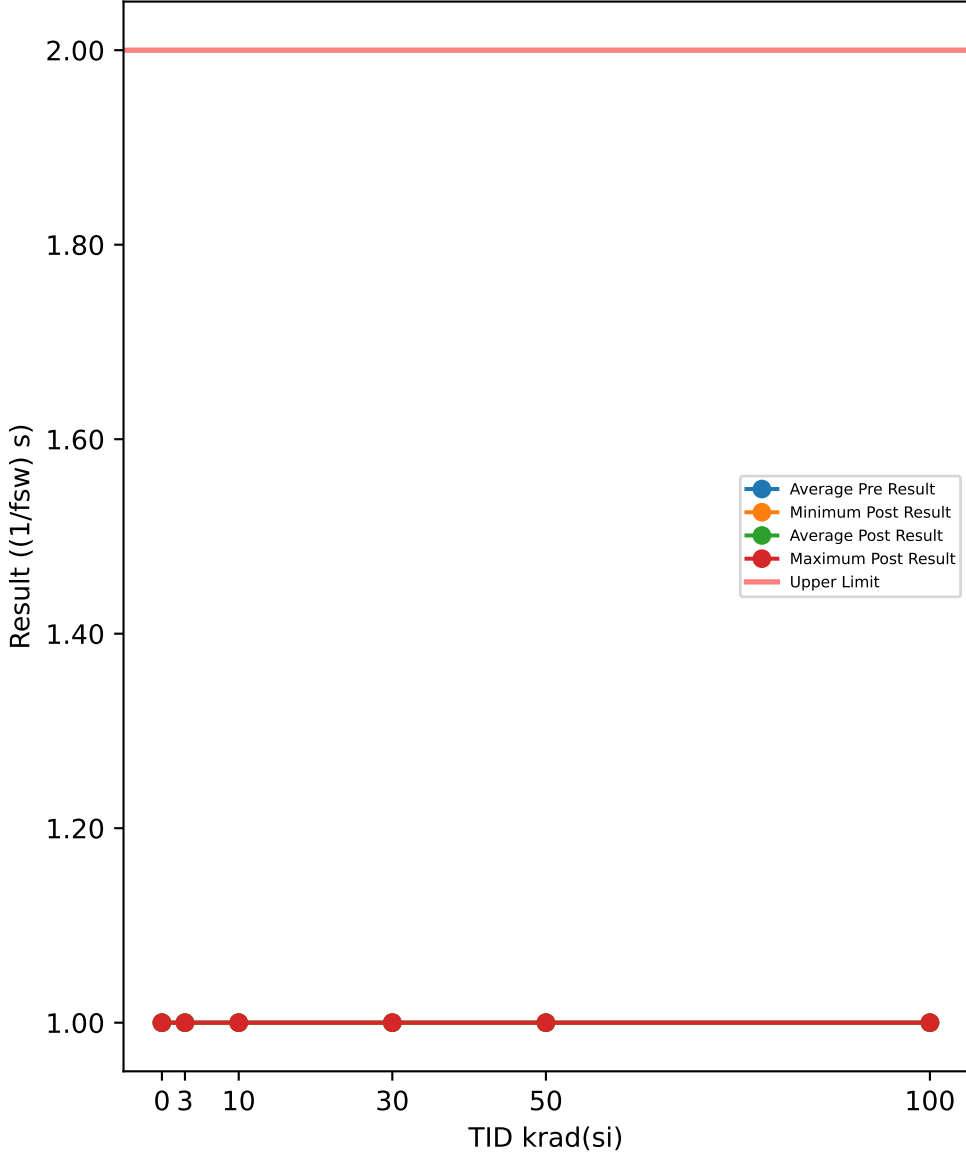
TID vs Post - Pre Exposure Delta



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

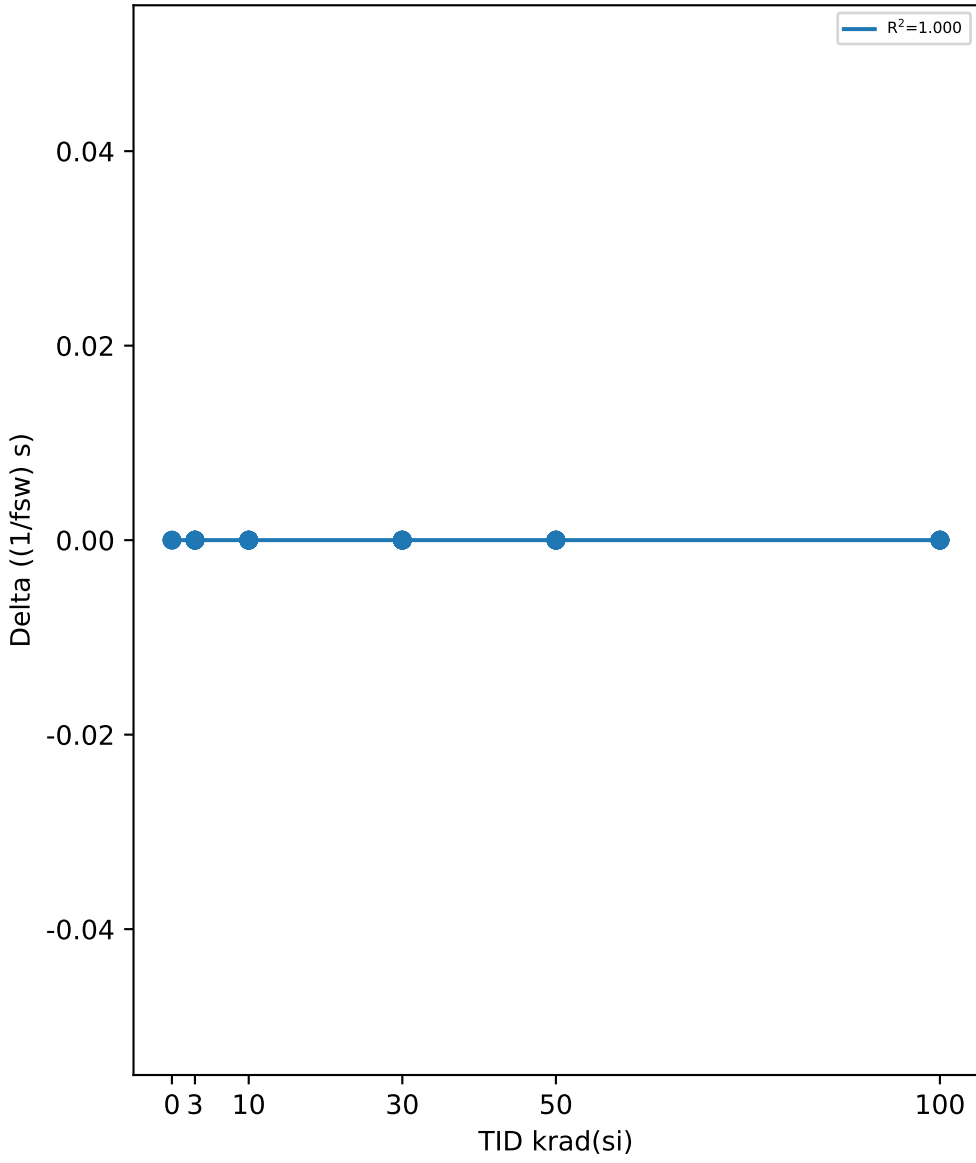
TID vs Result Stats



Test Results (Upper Limit = 2.0 ((1/fsw) s))

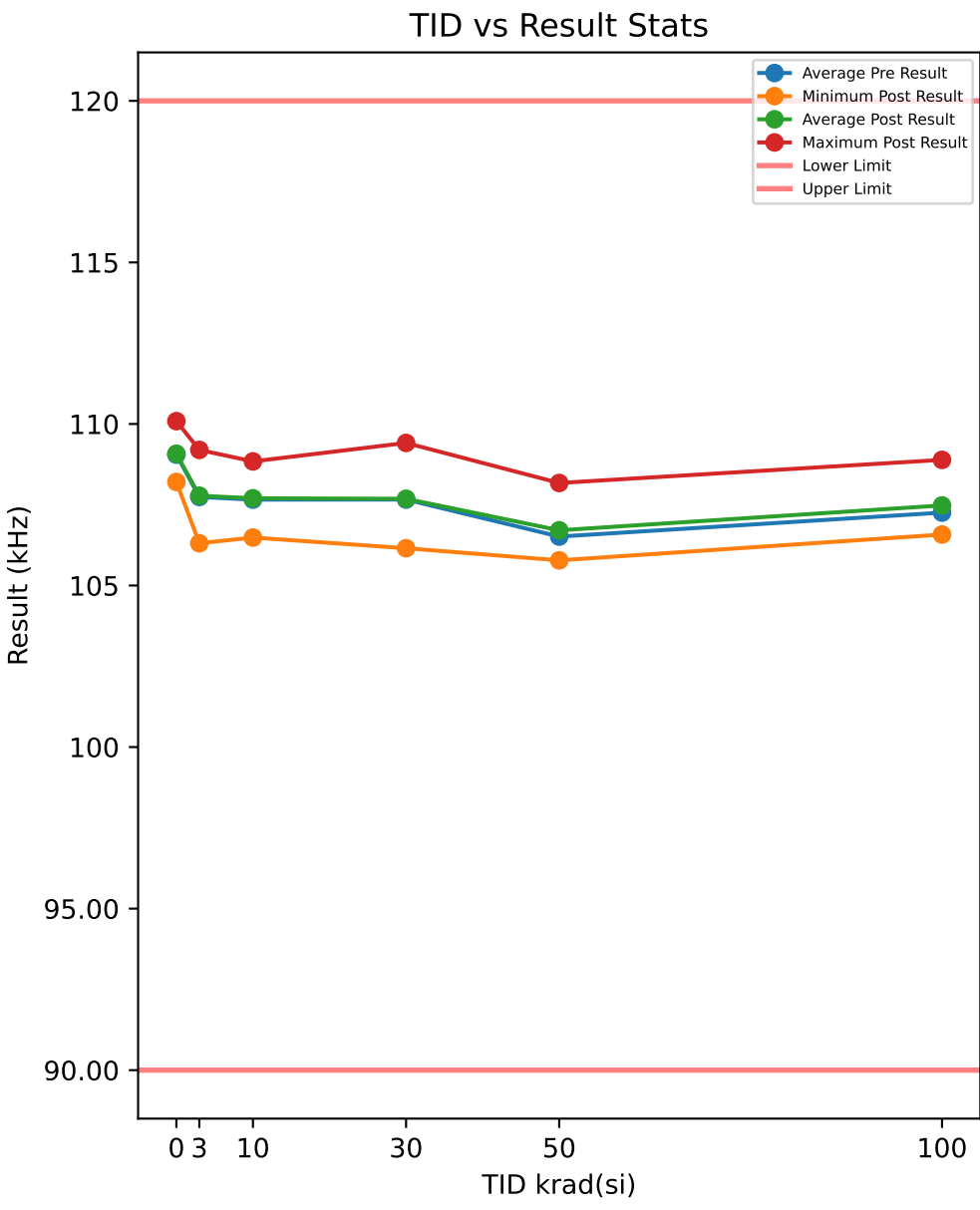
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
390	100	Biased	1	1	0
392	100	Biased	1	1	0
393	100	Biased	1	1	0
394	100	Biased	1	1	0
395	100	Biased	1	1	0
412	100	Unbiased	1	1	0
413	100	Unbiased	1	1	0
414	100	Unbiased	1	1	0
415	100	Unbiased	1	1	0
416	100	Unbiased	1	1	0
417	50	Biased	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

TID vs Post - Pre Exposure Delta



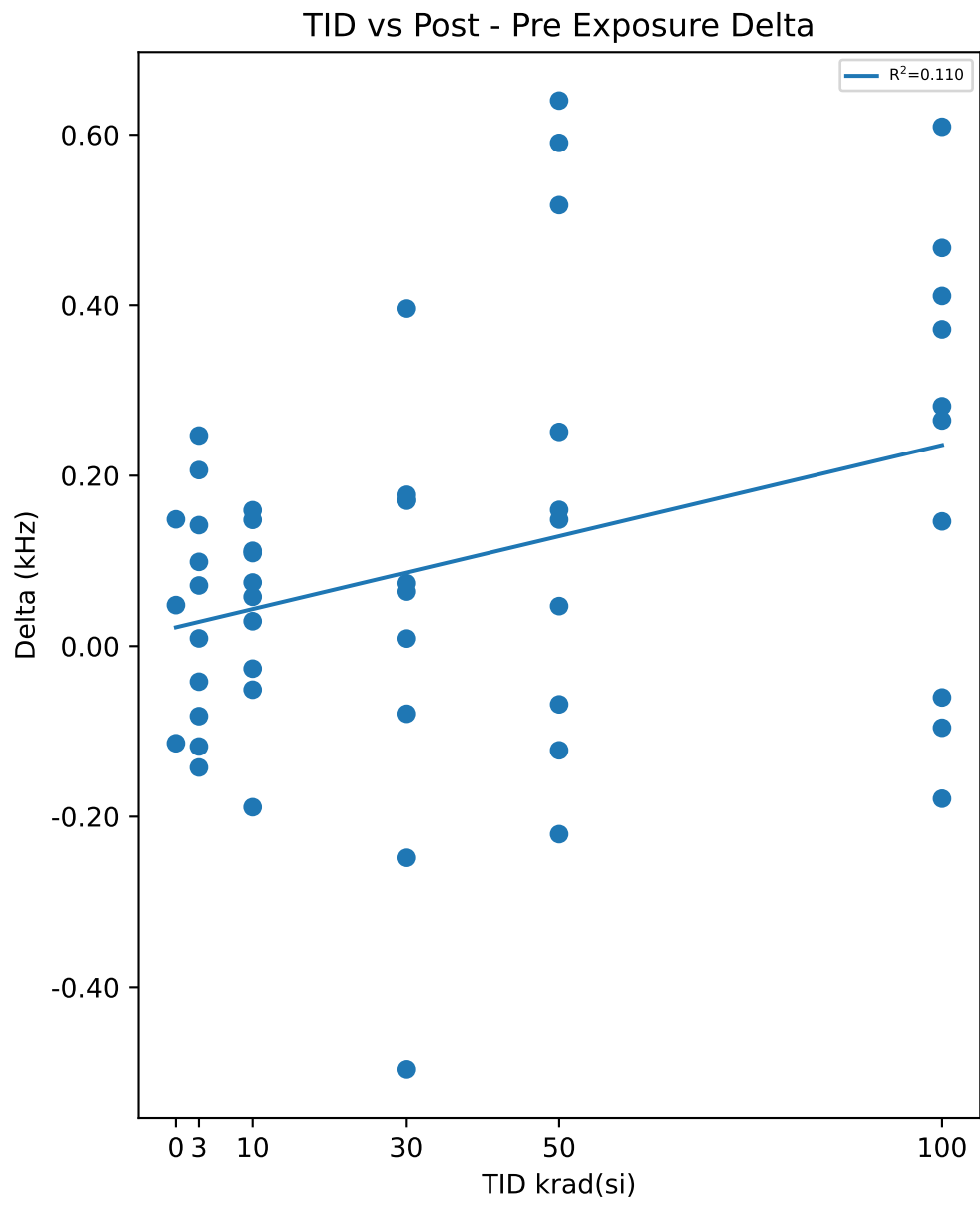
Test Statistics ((1/fsw) s)

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



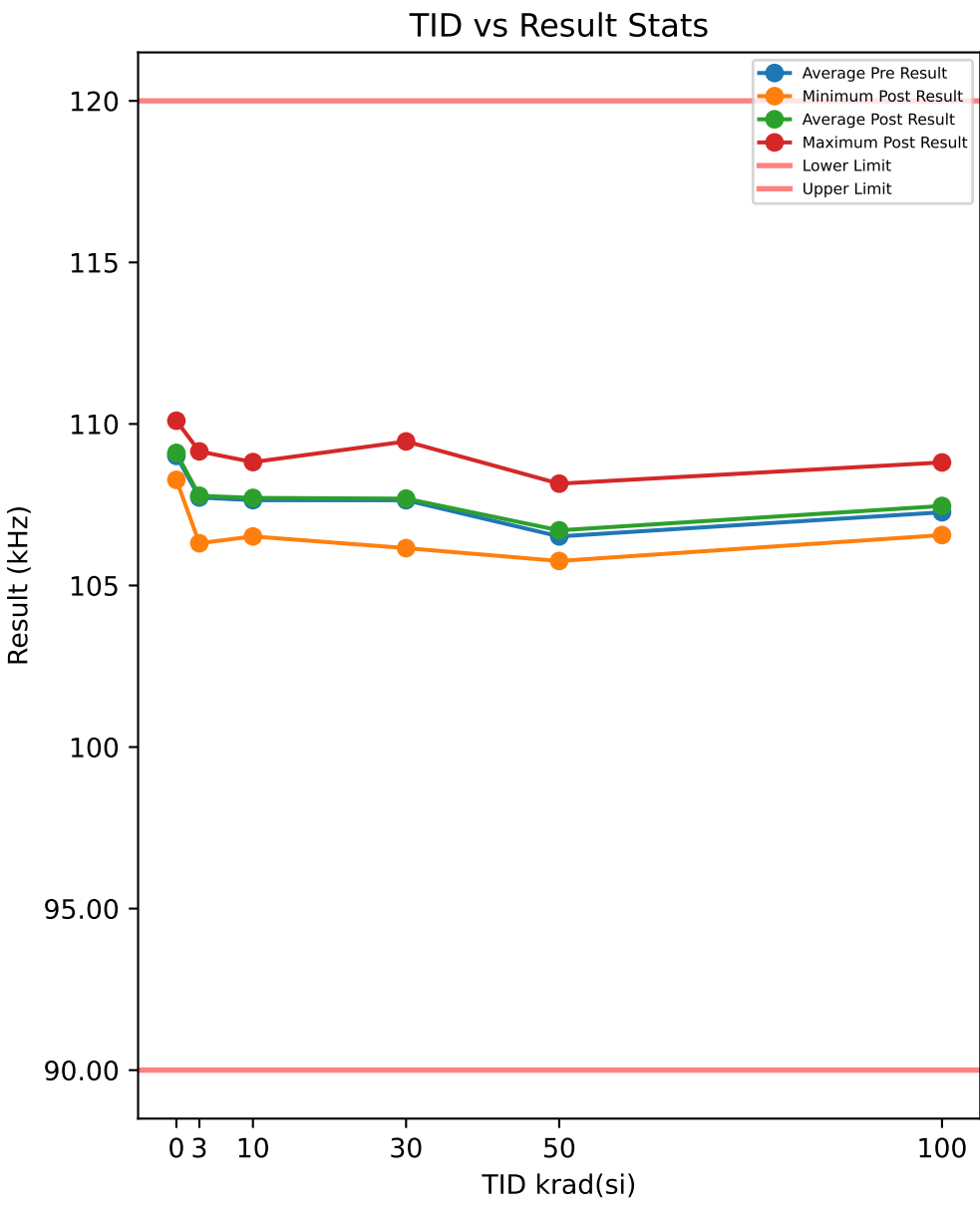
Test Results (Lower Limit = 90.0, Upper Limit = 120.0 (kHz))

Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
390	100	Biased	108.95	108.89	-0.0602
392	100	Biased	107.24	107.71	0.4672
393	100	Biased	107.06	107.2	0.1463
394	100	Biased	107.54	107.8	0.2648
395	100	Biased	106.17	106.58	0.4109
412	100	Unbiased	107.45	107.73	0.2815
413	100	Unbiased	107.87	107.77	-0.0957
414	100	Unbiased	106.6	106.98	0.3716
415	100	Unbiased	106.27	106.88	0.6094
416	100	Unbiased	107.42	107.25	-0.179
417	50	Biased	106.41	106.34	-0.0683
418	50	Biased	105.73	105.78	0.0469
419	50	Biased	106.33	106.92	0.5905
421	50	Biased	106.17	106.05	-0.1222
422	50	Biased	107.92	108.17	0.2514
423	50	Unbiased	107.08	106.86	-0.2206
424	50	Unbiased	106.64	107.15	0.5174
425	50	Unbiased	106.02	106.17	0.1484
426	50	Unbiased	106.27	106.91	0.6401
427	50	Unbiased	106.58	106.74	0.1598
463	0	Corr	108.79	108.94	0.1487
464	0	Corr	108.16	108.21	0.0481
465	0	Corr	110.2	110.09	-0.1139
466	30	Biased	106.4	106.15	-0.2483
469	30	Biased	109.35	109.41	0.064
470	30	Biased	107.46	107.64	0.1775
472	30	Biased	107.1	107.27	0.1716
474	30	Biased	106.97	106.98	0.0089
475	30	Unbiased	107.8	107.72	-0.0793
477	30	Unbiased	107.37	106.87	-0.4971
478	30	Unbiased	107.89	108.29	0.3961
479	30	Unbiased	108.67	108.84	0.1706
480	30	Unbiased	107.59	107.66	0.0737
481	10	Biased	107.05	107.12	0.0746
482	10	Biased	108.78	108.84	0.0578
483	10	Biased	106.51	106.48	-0.0264
484	10	Biased	108.41	108.56	0.1481
485	10	Biased	107.29	107.32	0.0292
487	10	Unbiased	107.76	107.91	0.1594
488	10	Unbiased	107.94	108.05	0.1118
489	10	Unbiased	107.34	107.45	0.1091
490	10	Unbiased	107.08	107.03	-0.0511
491	10	Unbiased	108.43	108.24	-0.189
492	3	Biased	107.26	107.22	-0.0417
493	3	Biased	107.85	107.92	0.0711
494	3	Biased	108.69	108.79	0.0988
495	3	Biased	106.72	106.6	-0.1177
496	3	Biased	108.55	108.56	0.0091
497	3	Unbiased	108.32	108.53	0.2065
498	3	Unbiased	106.96	106.82	-0.1424
499	3	Unbiased	107.94	107.86	-0.0821
500	3	Unbiased	106.17	106.31	0.1419
502	3	Unbiased	108.95	109.2	0.2471



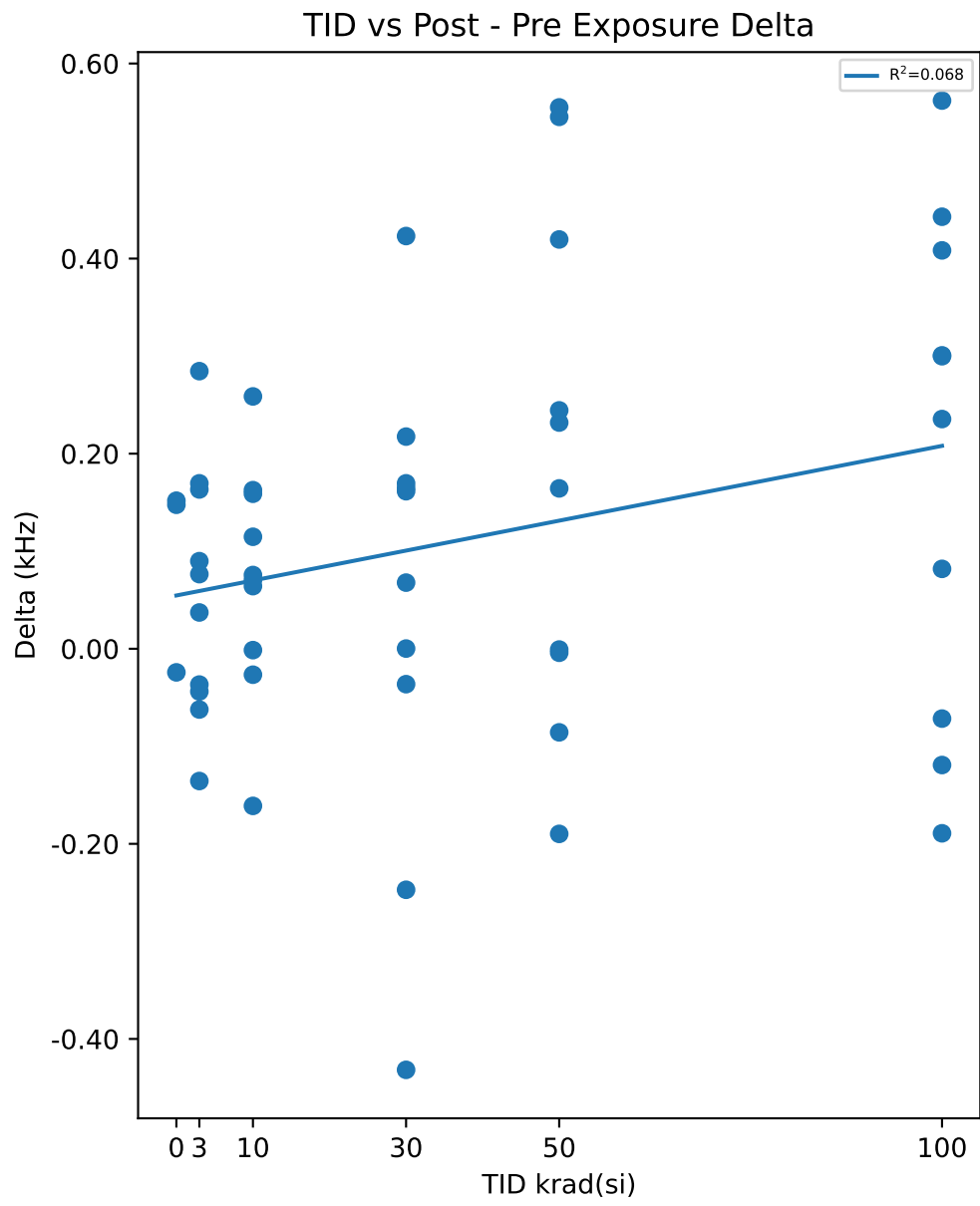
Test Statistics (kHz)

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	108.16	109.05	110.2	1.046	108.21	109.08	110.09	0.94831	-0.1139	0.027633	0.1487	0.13249
3	106.17	107.74	108.95	0.92921	106.31	107.78	109.2	1.0009	-0.1424	0.03906	0.2471	0.13585
10	106.51	107.66	108.78	0.7285	106.48	107.7	108.84	0.74334	-0.189	0.04235	0.1594	0.10677
30	106.4	107.66	109.35	0.84577	106.15	107.68	109.41	0.96323	-0.4971	0.02377	0.3961	0.25077
50	105.73	106.51	107.92	0.61516	105.78	106.71	108.17	0.68182	-0.2206	0.19434	0.6401	0.30362
100	106.17	107.26	108.95	0.81709	106.58	107.48	108.89	0.65412	-0.179	0.22168	0.6094	0.26262



Test Results (Lower Limit = 90.0, Upper Limit = 120.0 (kHz))

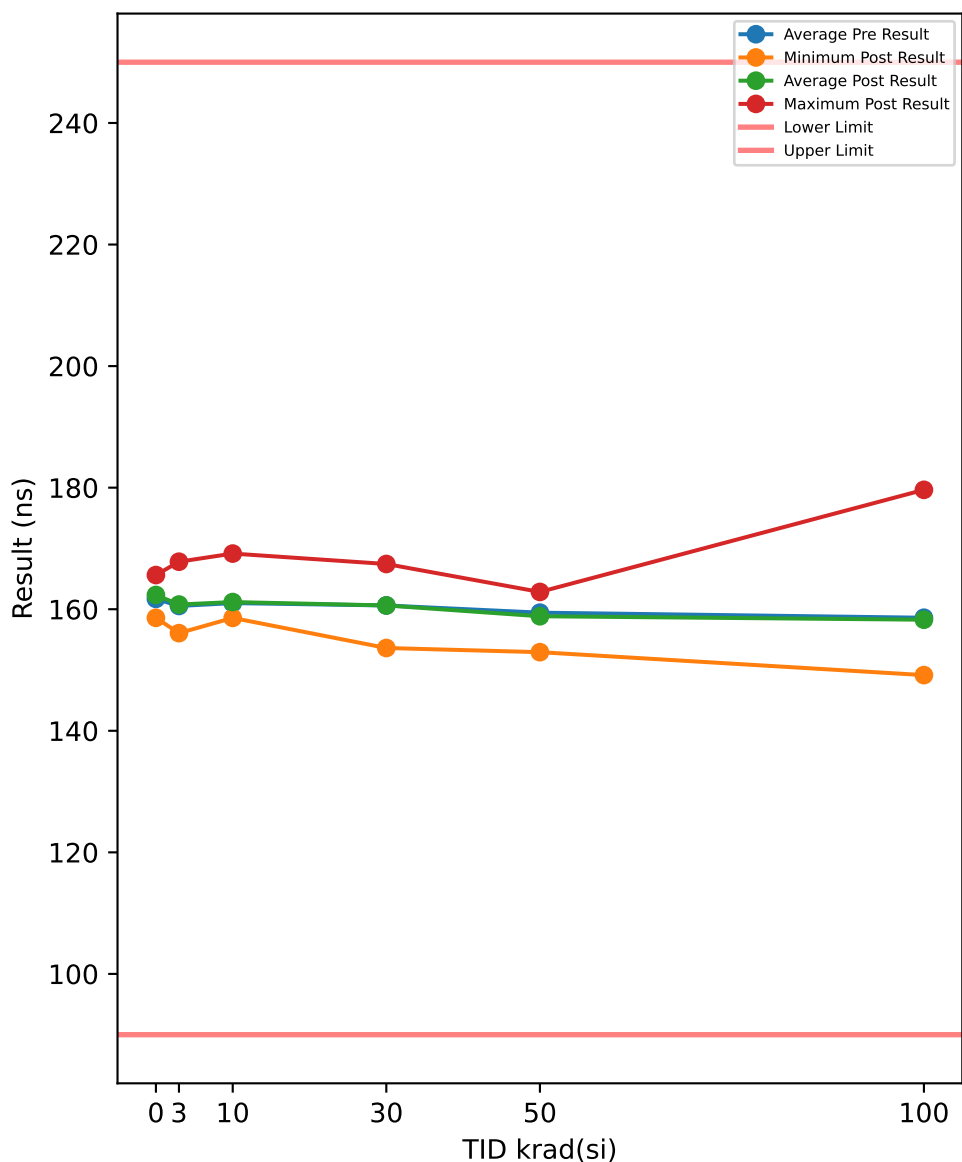
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
390	100	Biased	109	108.81	-0.1892
392	100	Biased	107.28	107.73	0.4429
393	100	Biased	107.11	107.19	0.0819
394	100	Biased	107.52	107.75	0.2355
395	100	Biased	106.26	106.56	0.2999
412	100	Unbiased	107.42	107.72	0.3008
413	100	Unbiased	107.87	107.75	-0.1192
414	100	Unbiased	106.56	106.97	0.4084
415	100	Unbiased	106.3	106.86	0.562
416	100	Unbiased	107.36	107.29	-0.0716
417	50	Biased	106.34	106.34	-0.0041
418	50	Biased	105.76	105.76	-0.0008
419	50	Biased	106.36	106.92	0.555
421	50	Biased	106.16	106.07	-0.0857
422	50	Biased	107.91	108.15	0.2444
423	50	Unbiased	107.04	106.85	-0.1898
424	50	Unbiased	106.74	107.16	0.4196
425	50	Unbiased	105.94	106.17	0.2319
426	50	Unbiased	106.35	106.89	0.5453
427	50	Unbiased	106.59	106.76	0.1644
463	0	Corr	108.79	108.94	0.1476
464	0	Corr	108.12	108.27	0.1518
465	0	Corr	110.12	110.1	-0.0242
466	30	Biased	106.4	106.16	-0.2471
469	30	Biased	109.29	109.46	0.1696
470	30	Biased	107.48	107.64	0.1615
472	30	Biased	107.08	107.29	0.2175
474	30	Biased	106.94	106.94	0.0002
475	30	Unbiased	107.77	107.73	-0.0363
477	30	Unbiased	107.34	106.91	-0.4317
478	30	Unbiased	107.84	108.26	0.4231
479	30	Unbiased	108.66	108.82	0.1649
480	30	Unbiased	107.59	107.66	0.0678
481	10	Biased	107.02	107.1	0.0756
482	10	Biased	108.85	108.82	-0.0266
483	10	Biased	106.45	106.52	0.0705
484	10	Biased	108.43	108.59	0.1589
485	10	Biased	107.26	107.33	0.0642
487	10	Unbiased	107.67	107.93	0.2587
488	10	Unbiased	107.95	108.06	0.1148
489	10	Unbiased	107.31	107.47	0.1626
490	10	Unbiased	107.03	107.03	-0.0014
491	10	Unbiased	108.43	108.27	-0.1611
492	3	Biased	107.31	107.24	-0.0623
493	3	Biased	107.87	107.91	0.0372
494	3	Biased	108.7	108.78	0.0765
495	3	Biased	106.63	106.59	-0.0367
496	3	Biased	108.46	108.55	0.0898
497	3	Unbiased	108.27	108.56	0.2846
498	3	Unbiased	106.93	106.8	-0.1356
499	3	Unbiased	107.93	107.89	-0.0438
500	3	Unbiased	106.14	106.31	0.1696
502	3	Unbiased	108.99	109.15	0.1633



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	108.12	109.01	110.12	1.0202	108.27	109.1	110.1	0.92531	-0.0242	0.091733	0.1518	0.10042
3	106.14	107.72	108.99	0.94106	106.31	107.78	109.15	0.99598	-0.1356	0.05426	0.2846	0.12816
10	106.45	107.64	108.85	0.76108	106.52	107.71	108.82	0.74071	-0.1611	0.07162	0.2587	0.11641
30	106.4	107.64	109.29	0.83415	106.16	107.69	109.46	0.967	-0.4317	0.04895	0.4231	0.24443
50	105.76	106.52	107.91	0.61298	105.76	106.71	108.15	0.67693	-0.1898	0.18802	0.555	0.26074
100	106.26	107.27	109	0.81174	106.56	107.46	108.81	0.63592	-0.1892	0.19514	0.562	0.25728

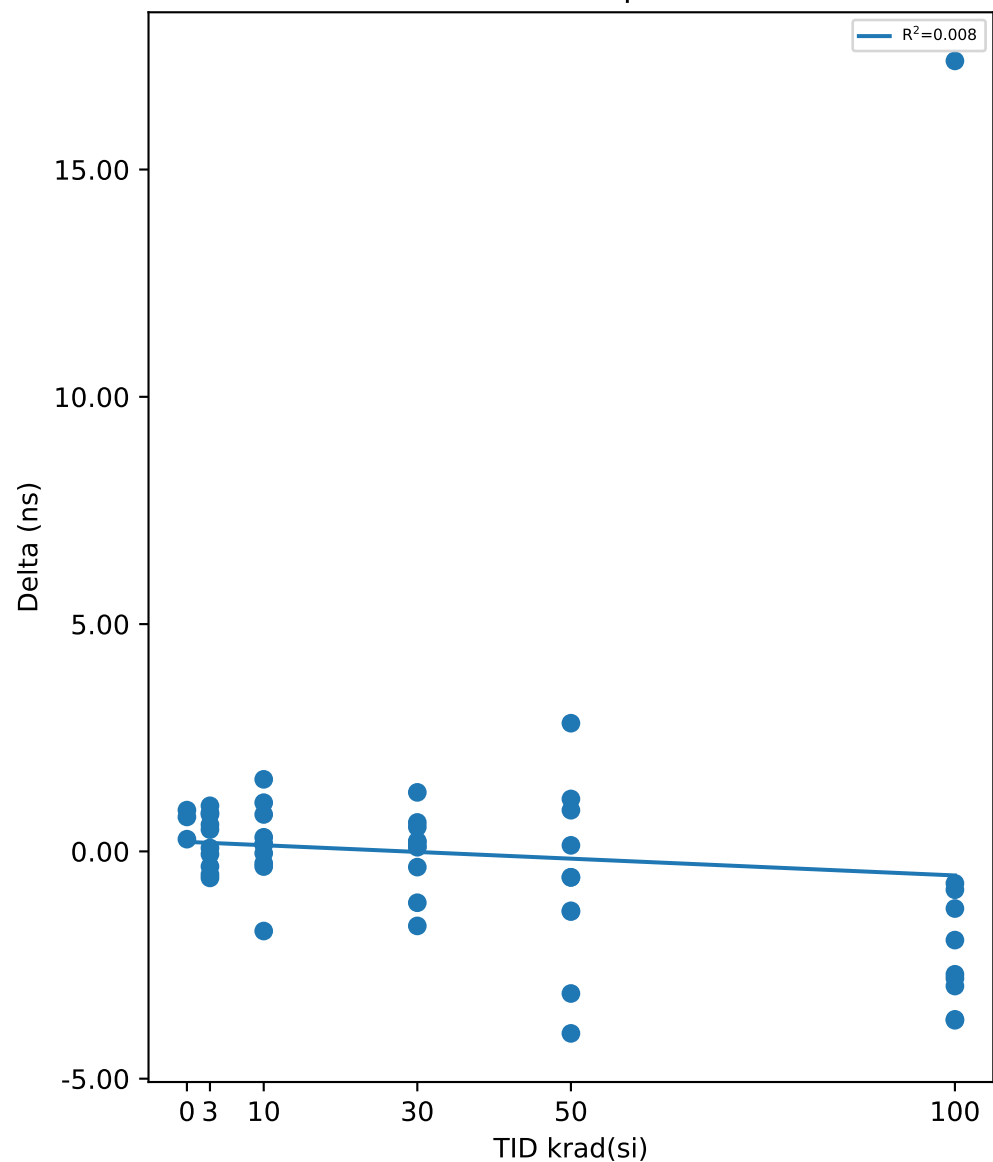
TID vs Result Stats



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

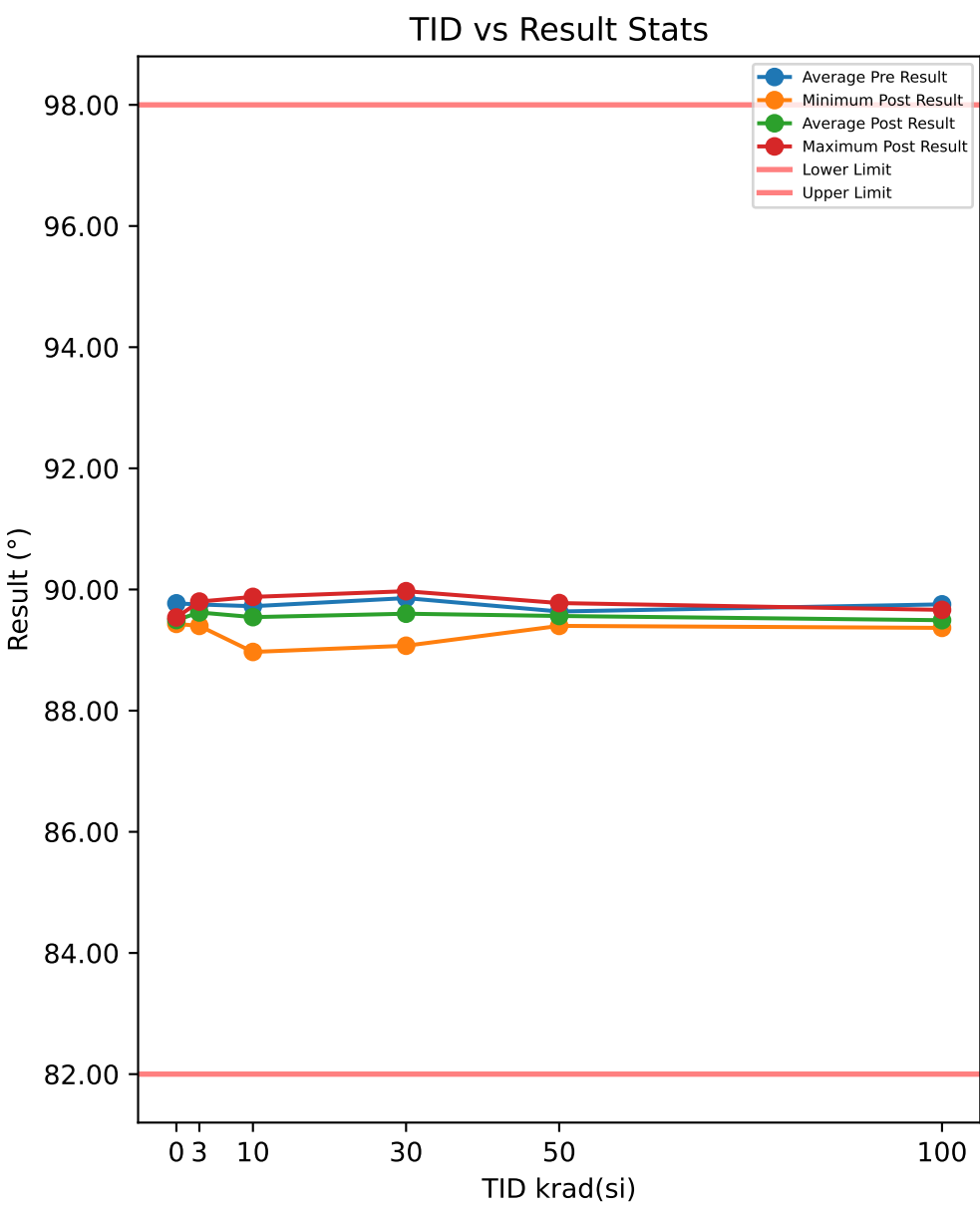
TID vs Post - Pre Exposure Delta



Test Statistics (ns)

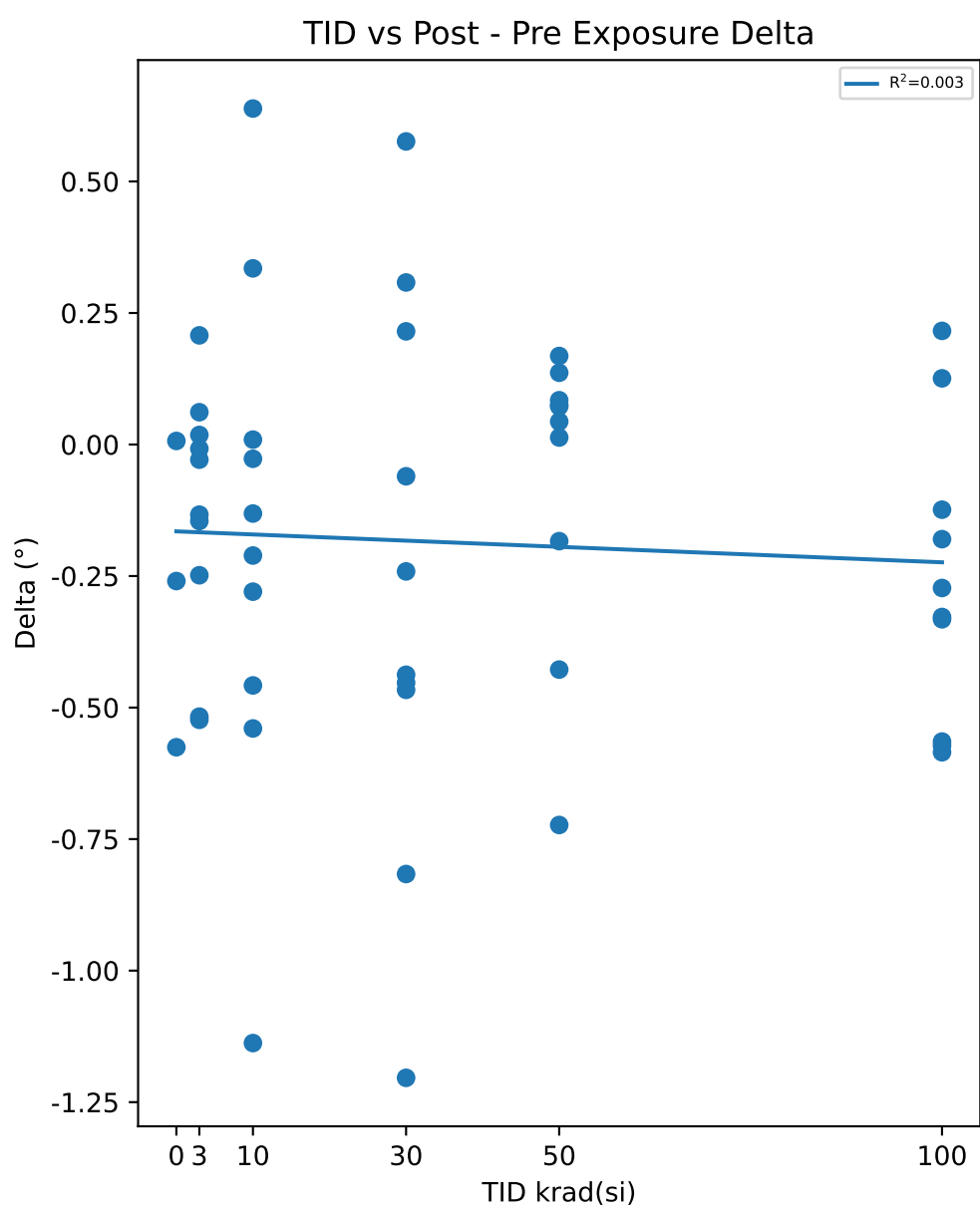
krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	157.68	161.7	164.87	3.6696	158.59	162.35	165.62	3.5431	0.2689	0.64493	0.9081	0.33421
3	156.23	160.54	167.74	3.5566	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 (°))

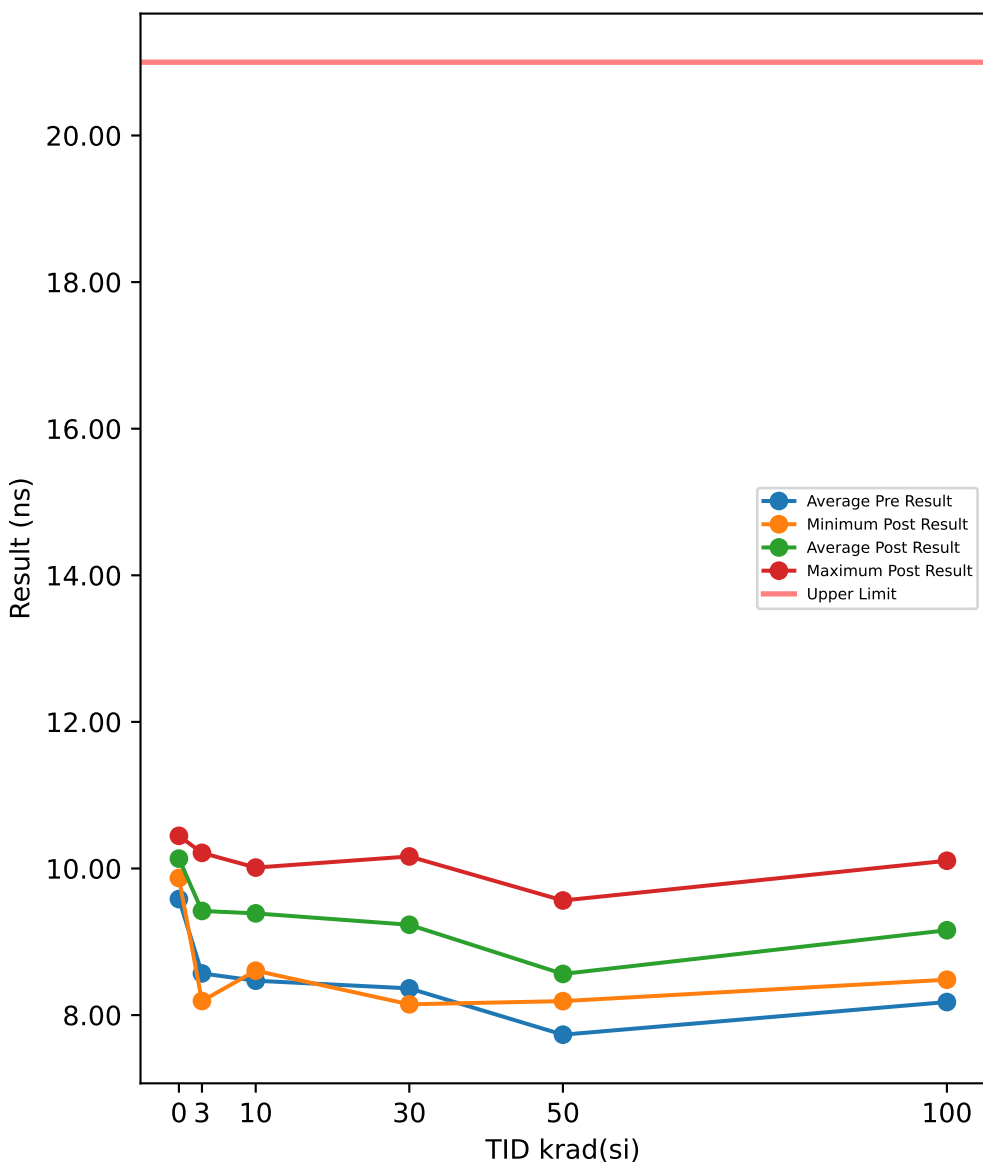
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
390	100	Biased	89.523	89.649	0.1258
392	100	Biased	89.961	89.388	-0.5723
393	100	Biased	89.996	89.663	-0.3322
394	100	Biased	89.286	89.502	0.216
395	100	Biased	90.047	89.482	-0.5646
412	100	Unbiased	89.724	89.396	-0.3278
413	100	Unbiased	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

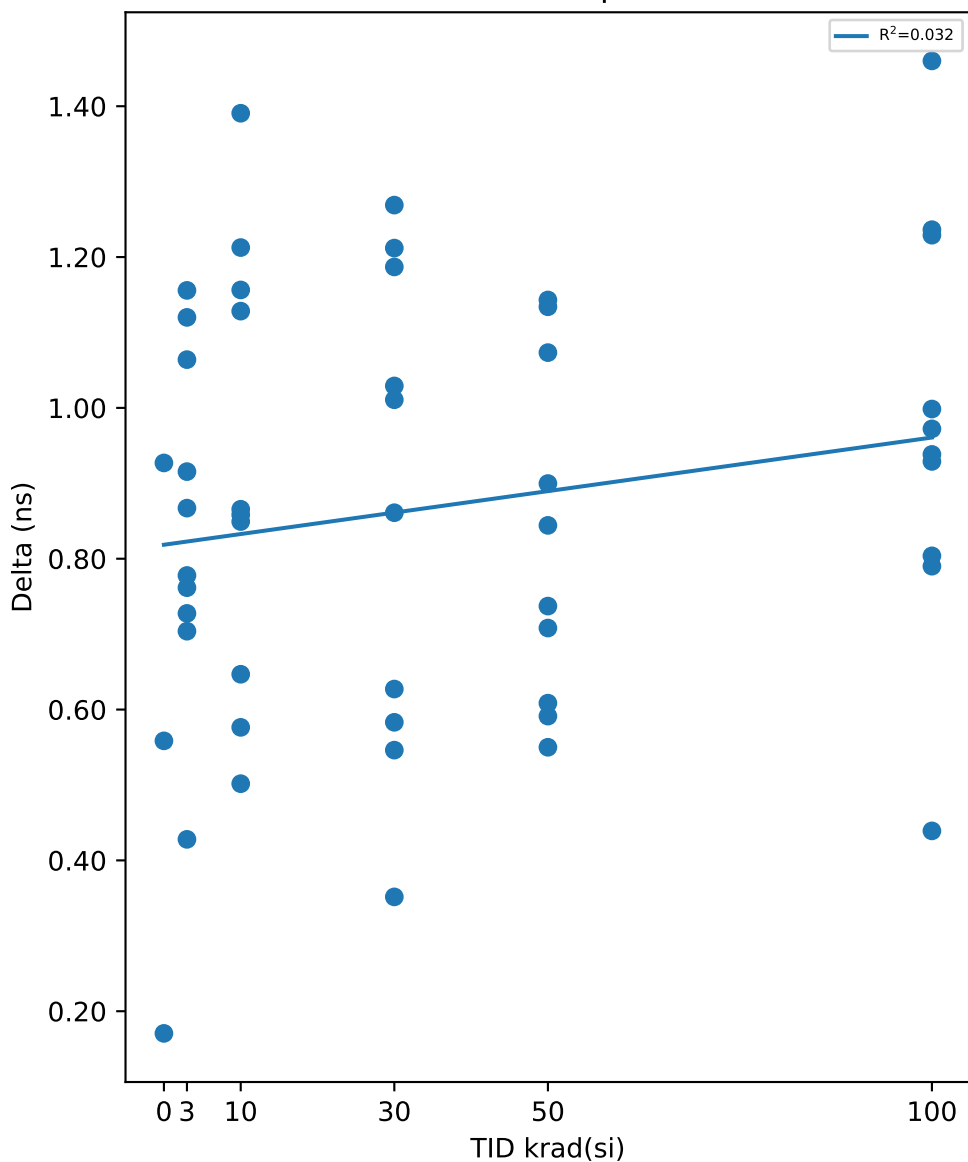
TID vs Result Stats



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

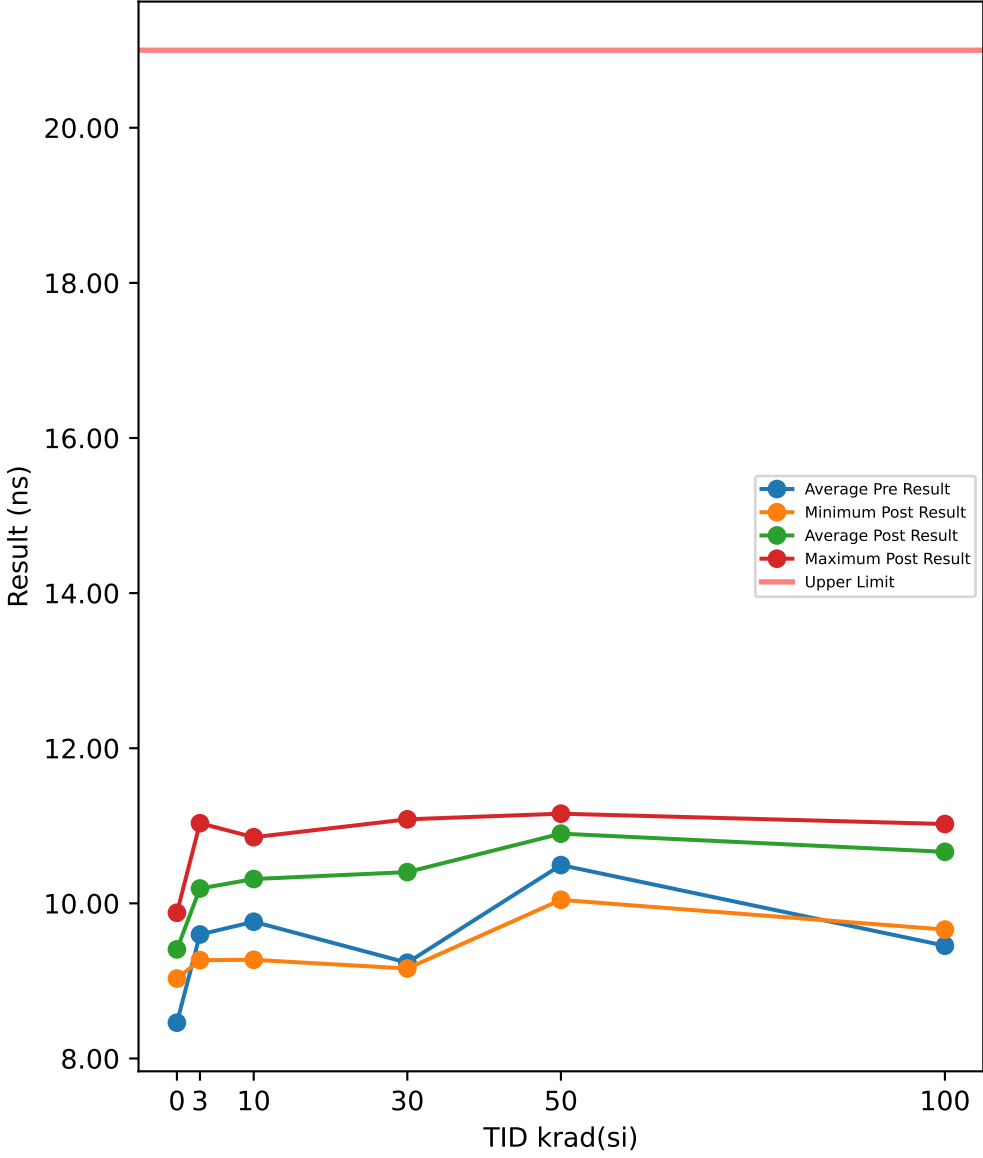
TID vs Post - Pre Exposure Delta



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

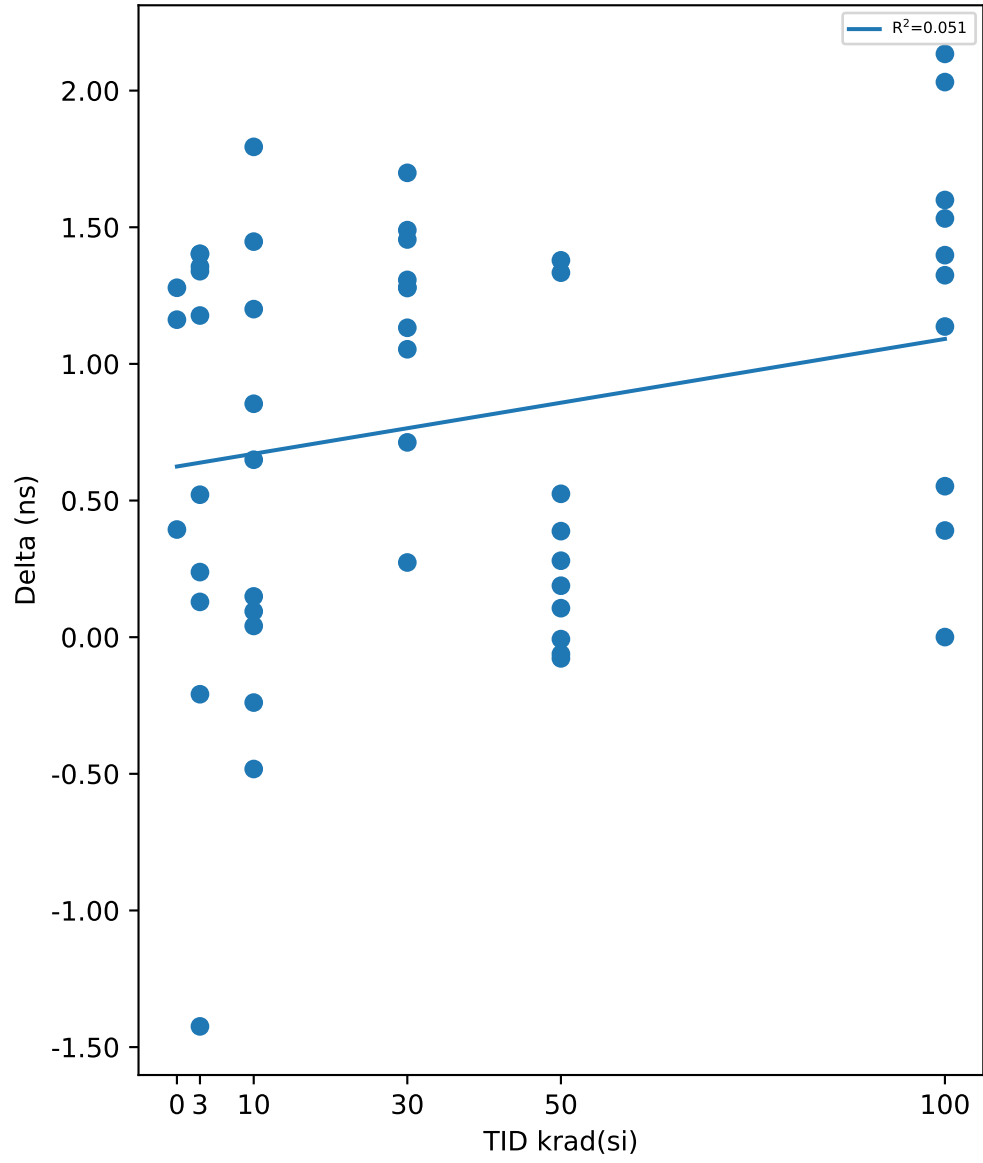
TID vs Result Stats



Test Results (Upper Limit = 21.0 (ns))

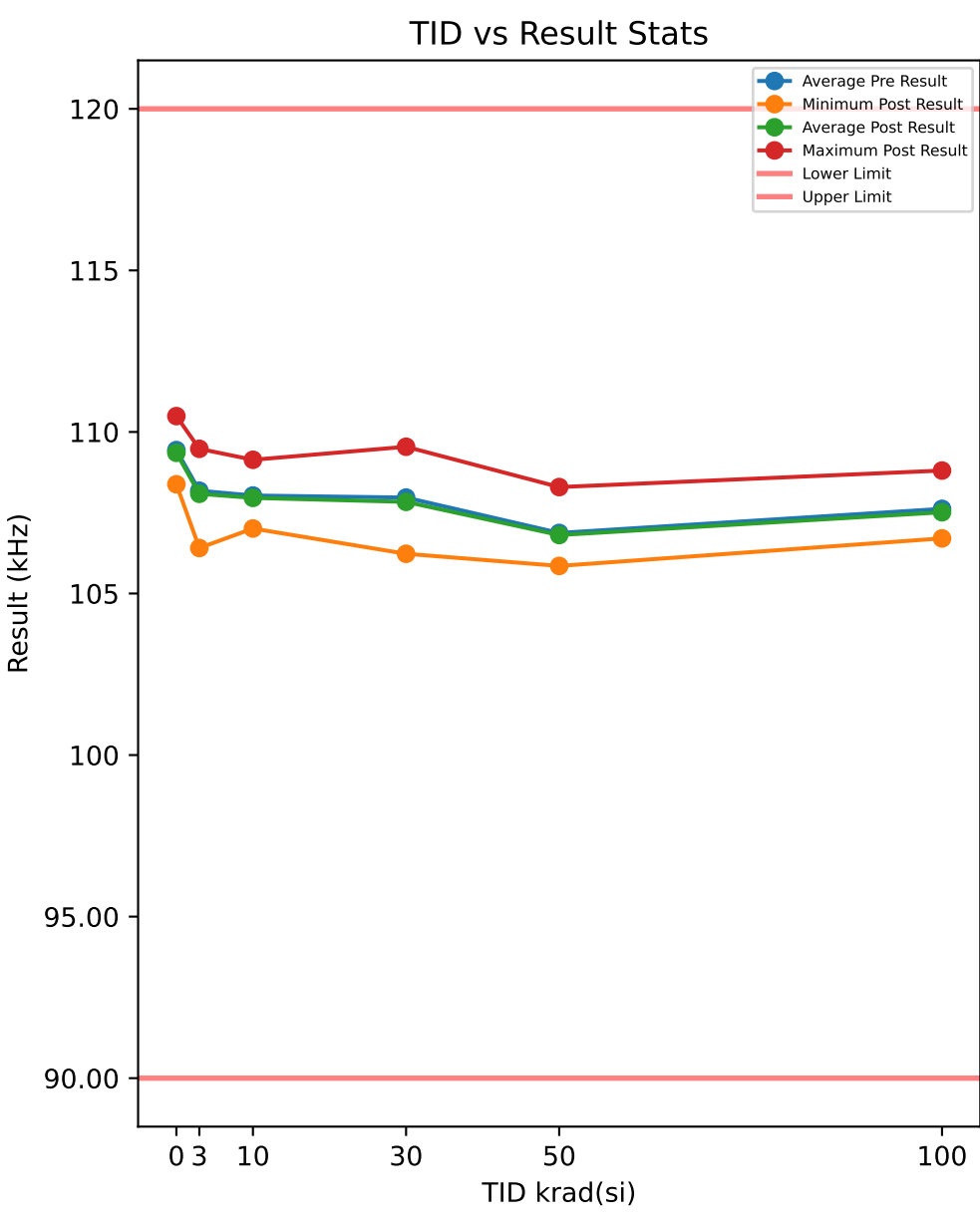
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
390	100	Biased	8.0623	9.662	1.5997
392	100	Biased	9.2402	10.638	1.3979
393	100	Biased	9.7125	10.849	1.1367
394	100	Biased	9.2478	10.572	1.3244
395	100	Biased	10.428	10.981	0.5524
412	100	Unbiased	8.933	10.465	1.5321
413	100	Unbiased	8.3924	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

TID vs Post - Pre Exposure Delta



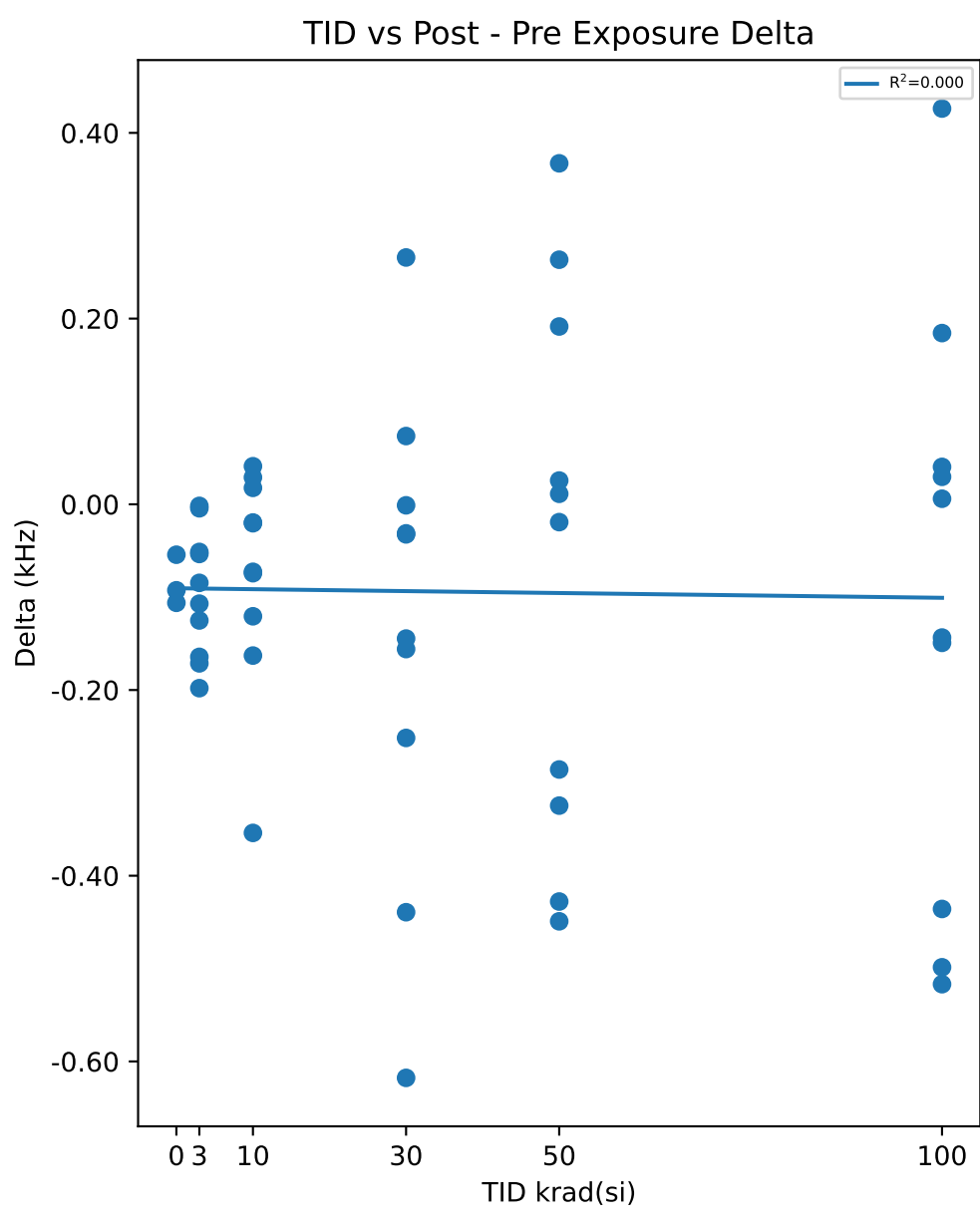
Test Statistics (ns)

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



Test Results (Lower Limit = 90.0, Upper Limit = 120.0 (kHz))

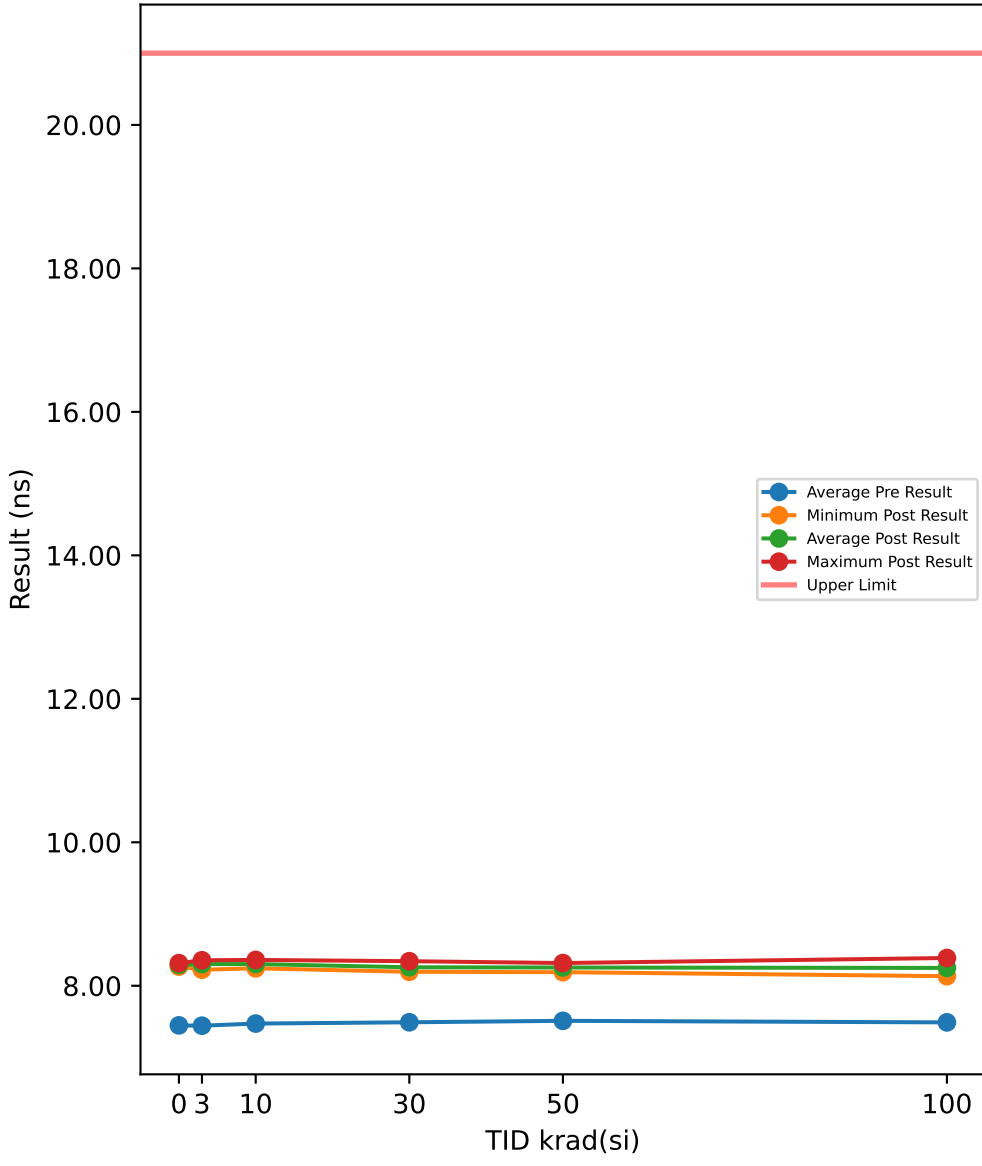
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
390	100	Biased	109.32	108.81	-0.5168
392	100	Biased	107.62	107.81	0.1844
393	100	Biased	107.47	107.32	-0.1492
394	100	Biased	107.88	107.74	-0.1435
395	100	Biased	106.78	106.82	0.0403
412	100	Unbiased	107.78	107.79	0.006
413	100	Unbiased	108.31	107.87	-0.4358
414	100	Unbiased	106.92	106.95	0.0296
415	100	Unbiased	106.28	106.71	0.4262
416	100	Unbiased	107.83	107.33	-0.4986
417	50	Biased	106.66	106.34	-0.3245
418	50	Biased	106.14	105.85	-0.2856
419	50	Biased	106.69	107.06	0.3672
421	50	Biased	106.62	106.19	-0.4278
422	50	Biased	108.27	108.29	0.0256
423	50	Unbiased	107.4	106.95	-0.4491
424	50	Unbiased	107.13	107.32	0.1915
425	50	Unbiased	106.34	106.35	0.0113
426	50	Unbiased	106.69	106.96	0.2634
427	50	Unbiased	106.79	106.77	-0.0192
463	0	Corr	109.25	109.19	-0.0543
464	0	Corr	108.49	108.38	-0.1061
465	0	Corr	110.58	110.49	-0.0926
466	30	Biased	106.67	106.23	-0.4393
469	30	Biased	109.57	109.54	-0.0324
470	30	Biased	107.96	107.82	-0.1446
472	30	Biased	107.44	107.51	0.0735
474	30	Biased	107.1	107.06	-0.0313
475	30	Unbiased	108.01	107.76	-0.2516
477	30	Unbiased	107.75	107.13	-0.6177
478	30	Unbiased	108.23	108.5	0.2658
479	30	Unbiased	109.08	109.08	-0.0011
480	30	Unbiased	107.88	107.72	-0.1559
481	10	Biased	107.42	107.4	-0.0196
482	10	Biased	109.26	109.14	-0.1206
483	10	Biased	107.03	107.01	-0.0204
484	10	Biased	108.78	108.82	0.041
485	10	Biased	107.6	107.62	0.0177
487	10	Unbiased	108.12	108.05	-0.0727
488	10	Unbiased	108.09	108.12	0.029
489	10	Unbiased	107.71	107.55	-0.1629
490	10	Unbiased	107.46	107.39	-0.0742
491	10	Unbiased	108.85	108.5	-0.3539
492	3	Biased	107.69	107.64	-0.0513
493	3	Biased	108.3	108.25	-0.0535
494	3	Biased	109.1	108.98	-0.1251
495	3	Biased	107.22	107.04	-0.1713
496	3	Biased	108.9	108.81	-0.0846
497	3	Unbiased	108.77	108.76	-0.0043
498	3	Unbiased	107.49	107.29	-0.198
499	3	Unbiased	108.35	108.19	-0.1643
500	3	Unbiased	106.52	106.41	-0.107
502	3	Unbiased	109.48	109.48	-0.0017



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	108.49	109.44	110.58	1.0614	108.38	109.35	110.49	1.0643	-0.1061	-0.084333	-0.0543	0.026871
3	106.52	108.18	109.48	0.93435	106.41	108.09	109.48	0.97076	-0.198	-0.09611	-0.0017	0.069075
10	107.03	108.03	109.26	0.72626	107.01	107.96	109.14	0.6902	-0.3539	-0.07366	0.041	0.11855
30	106.67	107.97	109.57	0.86181	106.23	107.84	109.54	0.98308	-0.6177	-0.13346	0.2658	0.25452
50	106.14	106.87	108.27	0.60505	105.85	106.81	108.29	0.69136	-0.4491	-0.06472	0.3672	0.29283
100	106.28	107.62	109.32	0.85122	106.71	107.51	108.81	0.62592	-0.5168	-0.10574	0.4262	0.30819

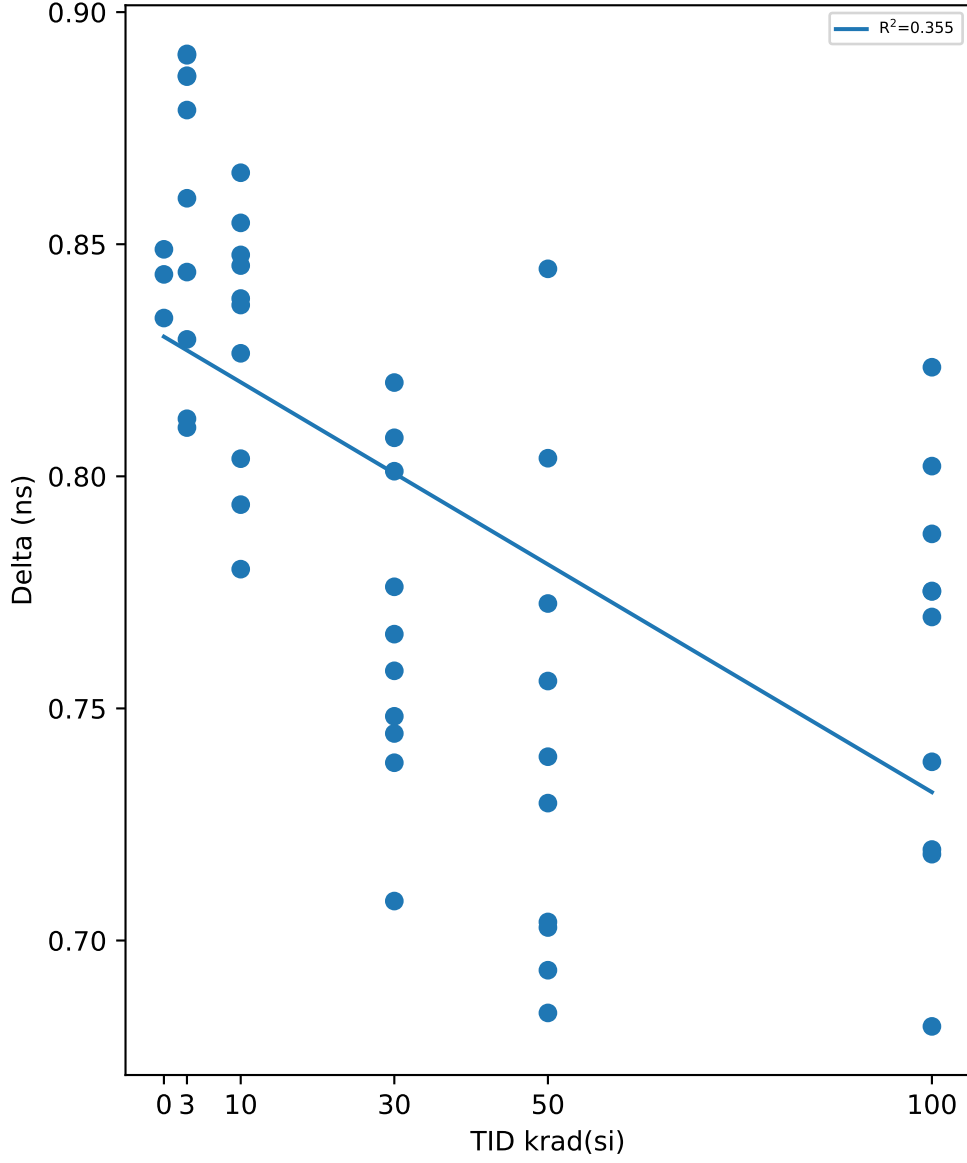
TID vs Result Stats



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

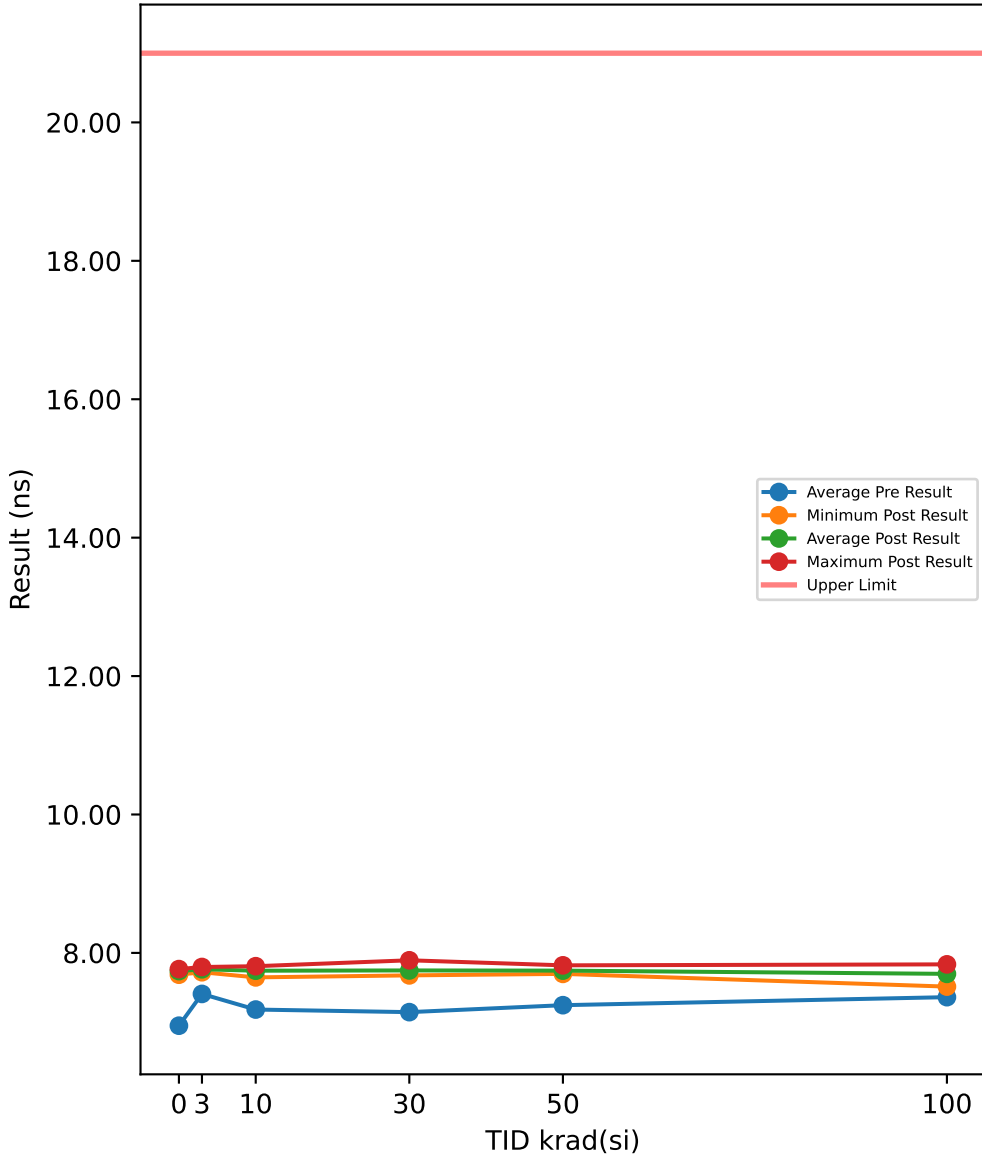
TID vs Post - Pre Exposure Delta



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

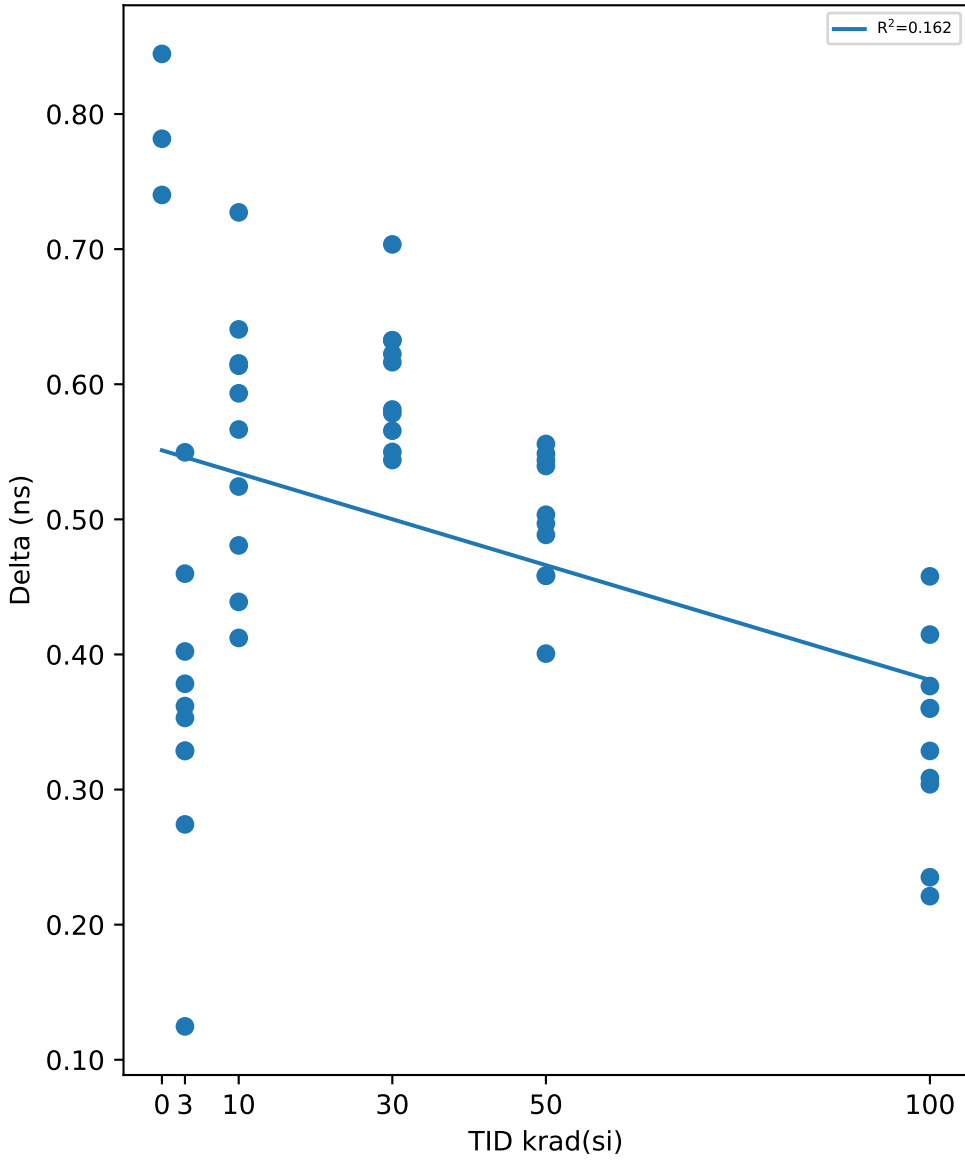
TID vs Result Stats



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

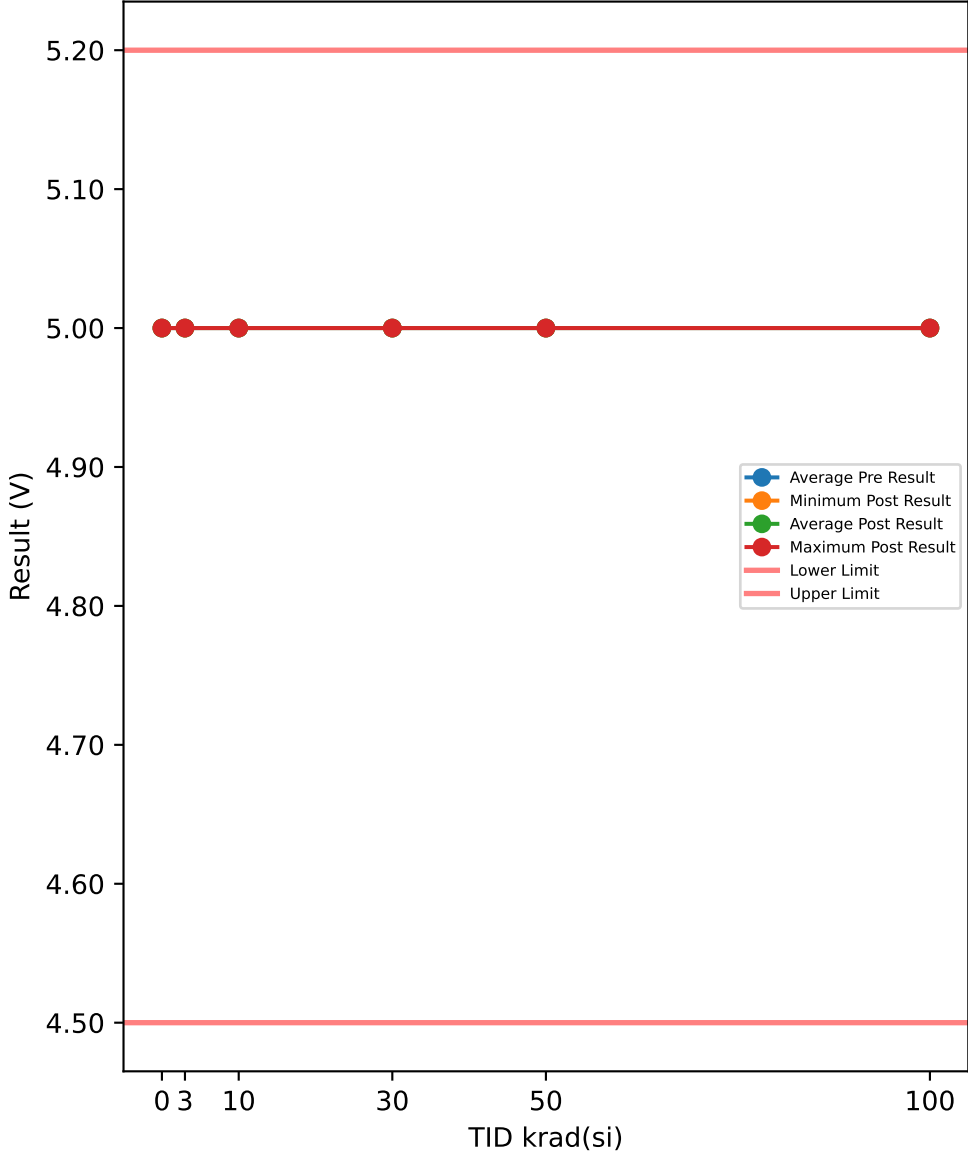
TID vs Post - Pre Exposure Delta



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

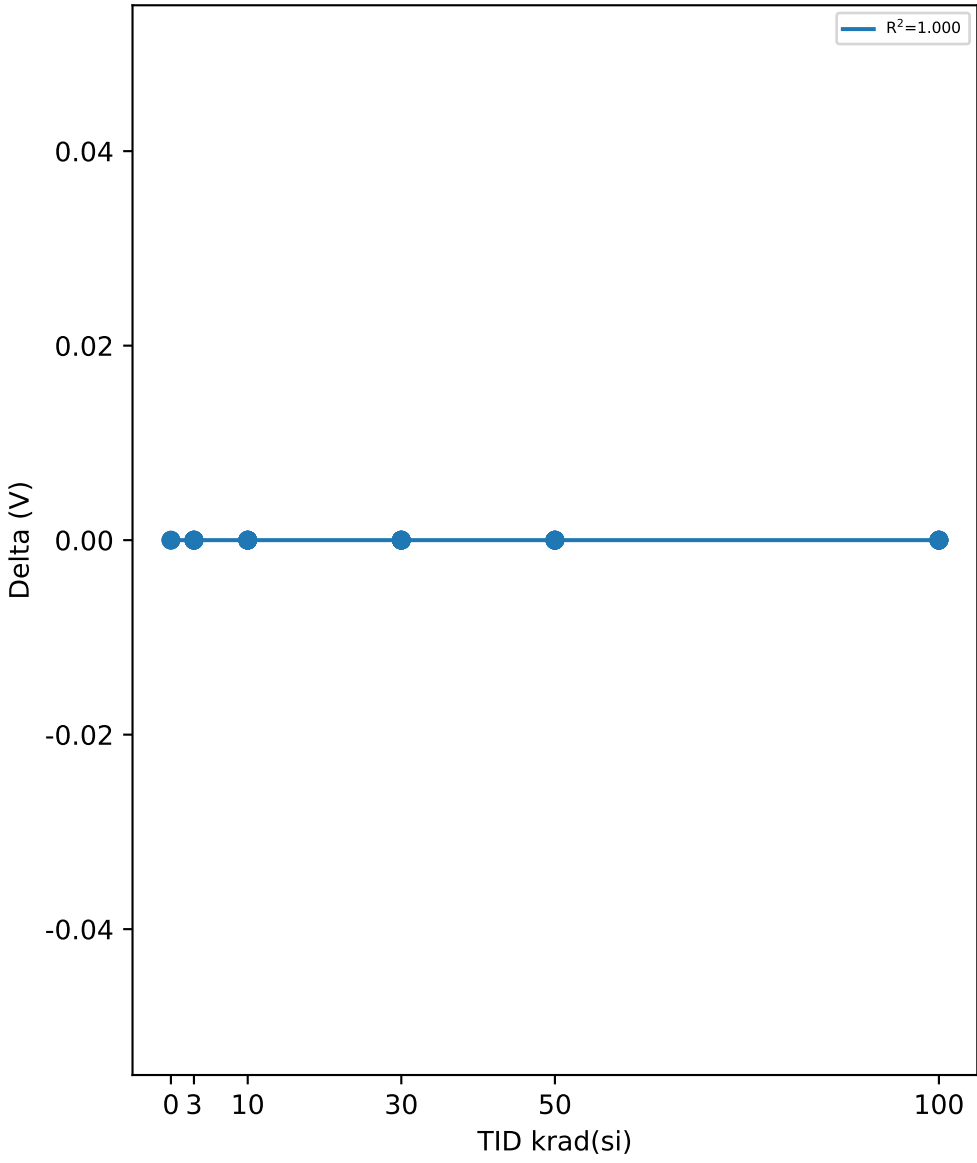
TID vs Result Stats



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

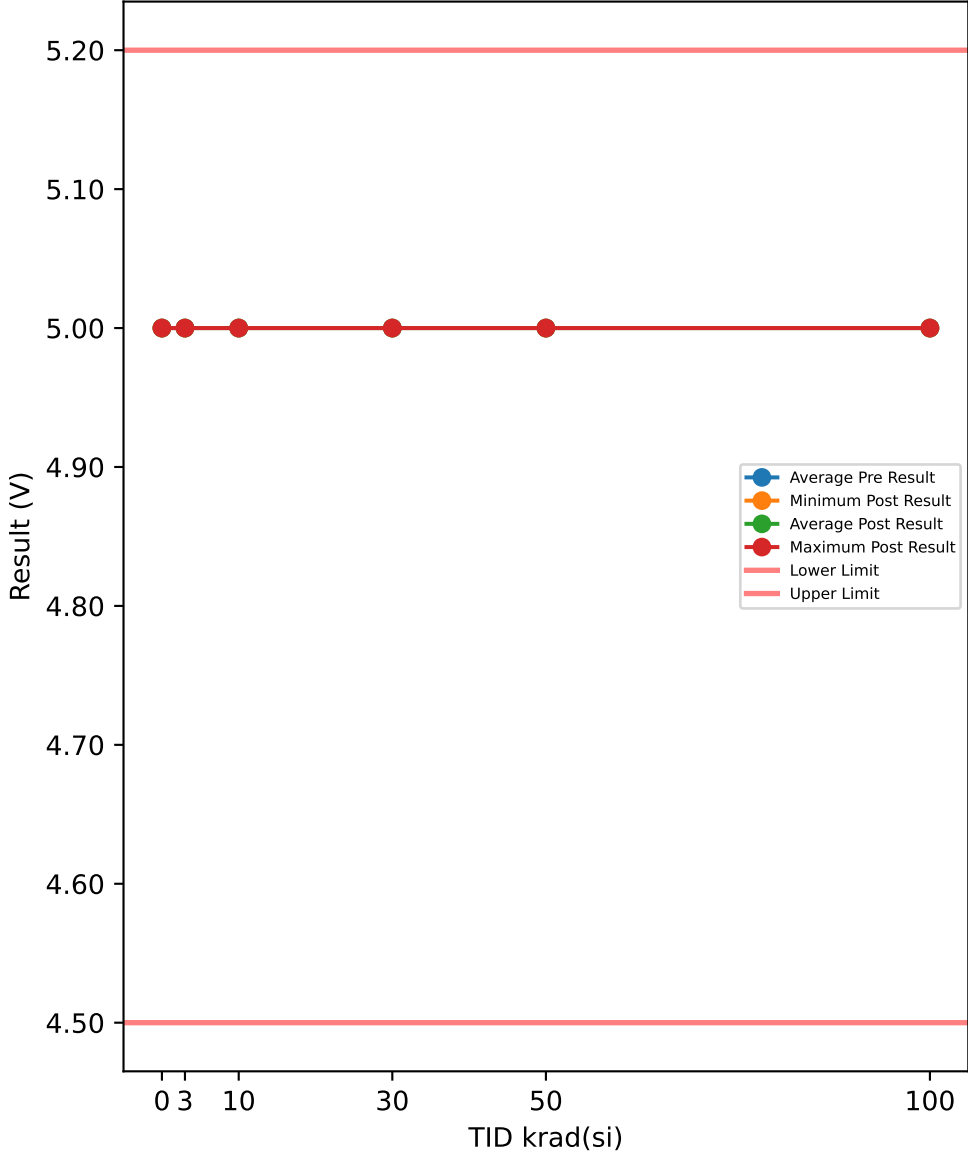
TID vs Post - Pre Exposure Delta



Test Statistics (V)

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	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

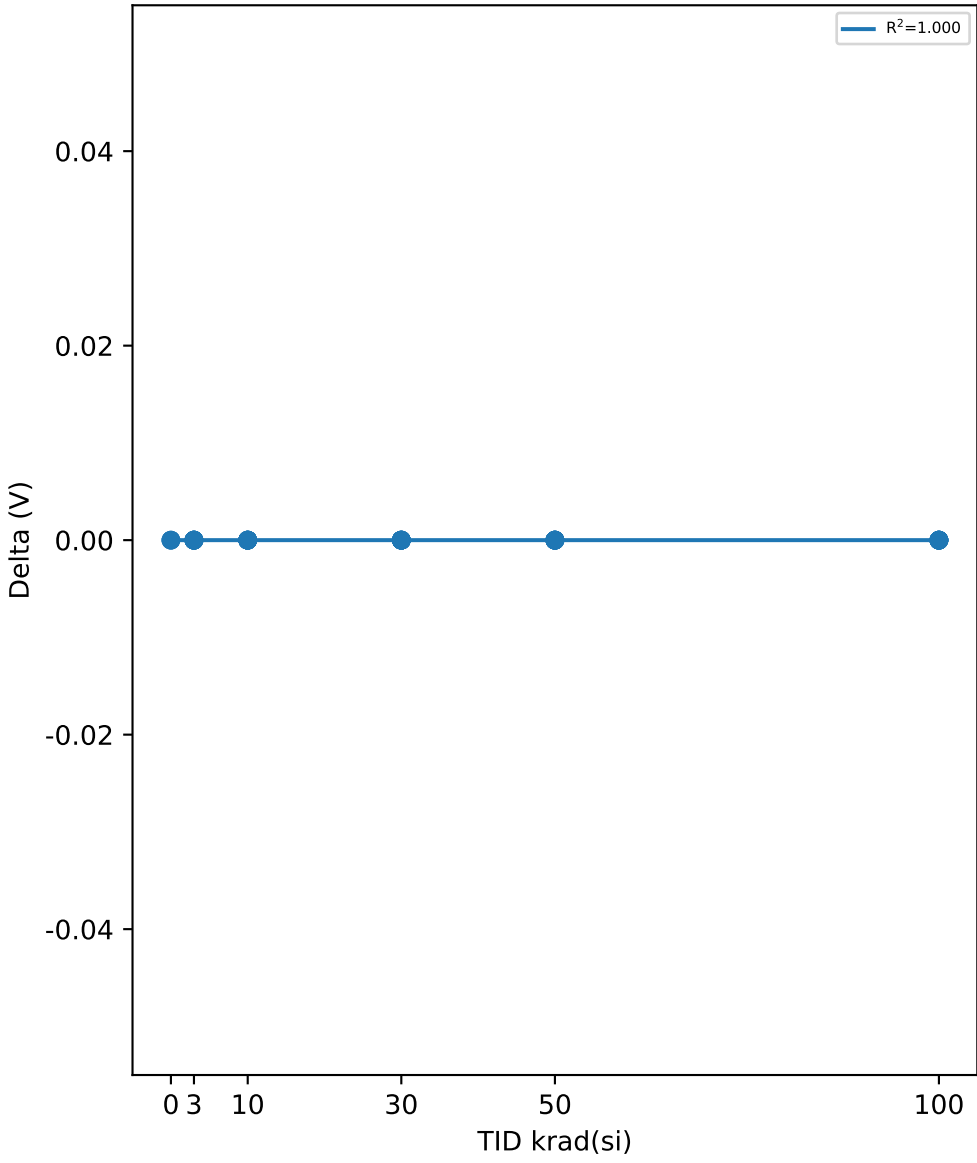
TID vs Result Stats



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

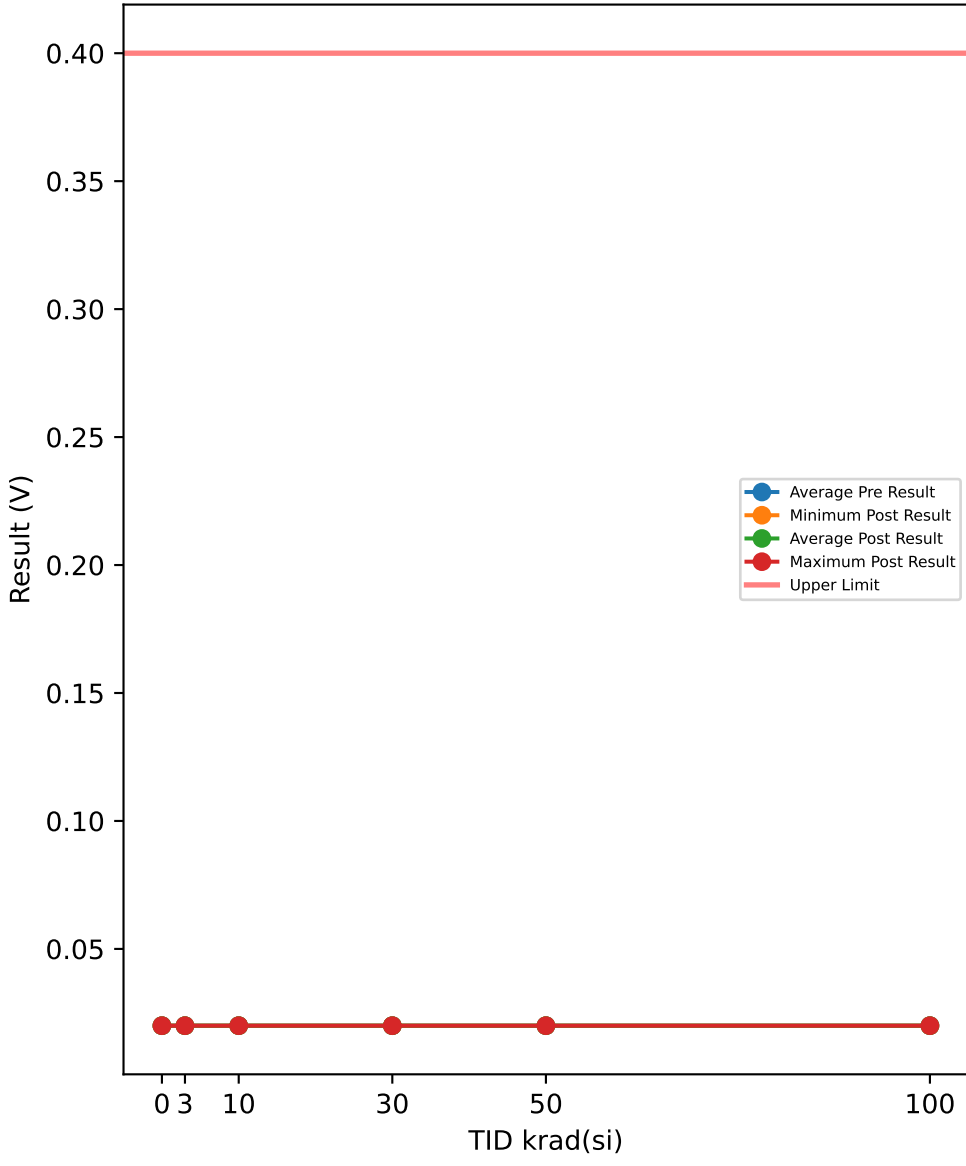
TID vs Post - Pre Exposure Delta



Test Statistics (V)

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	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

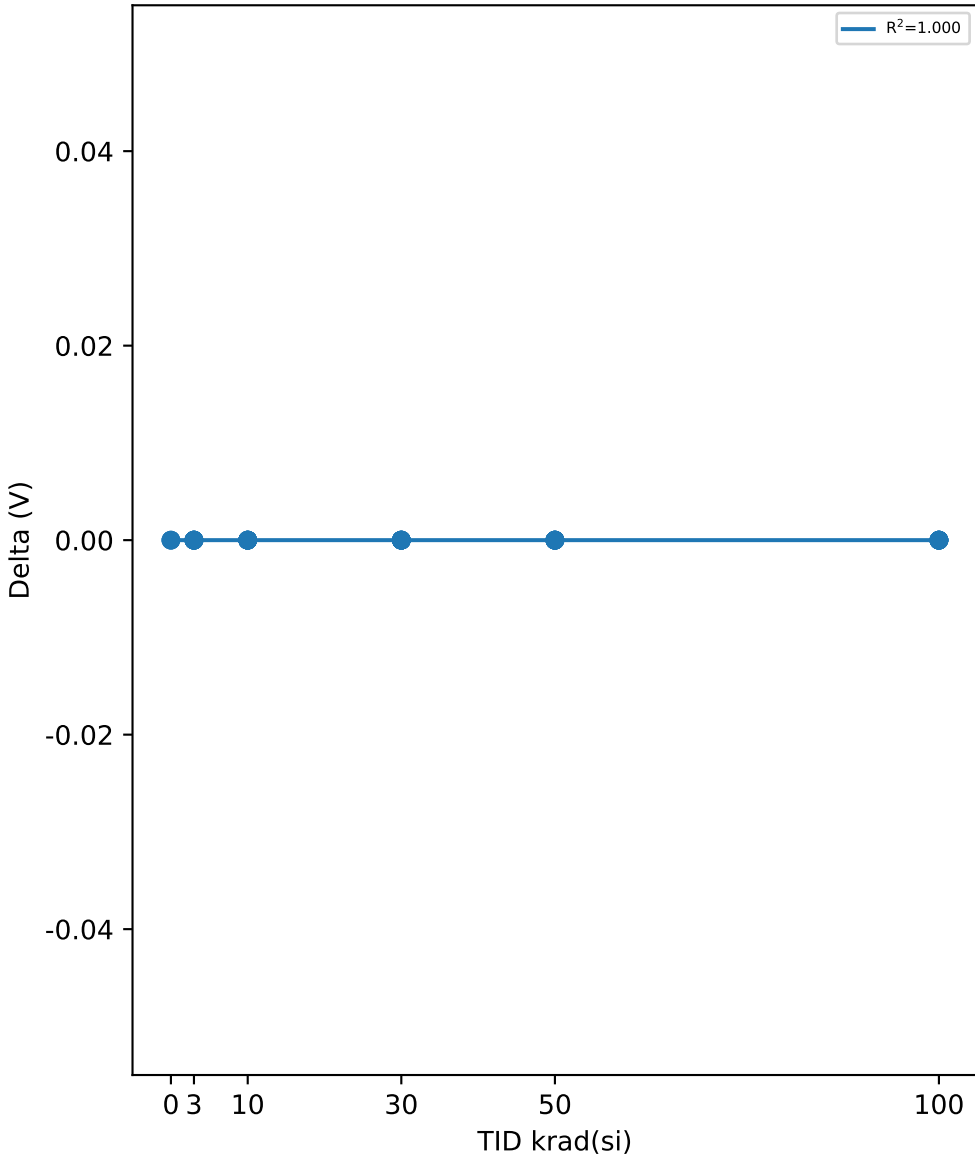
TID vs Result Stats



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

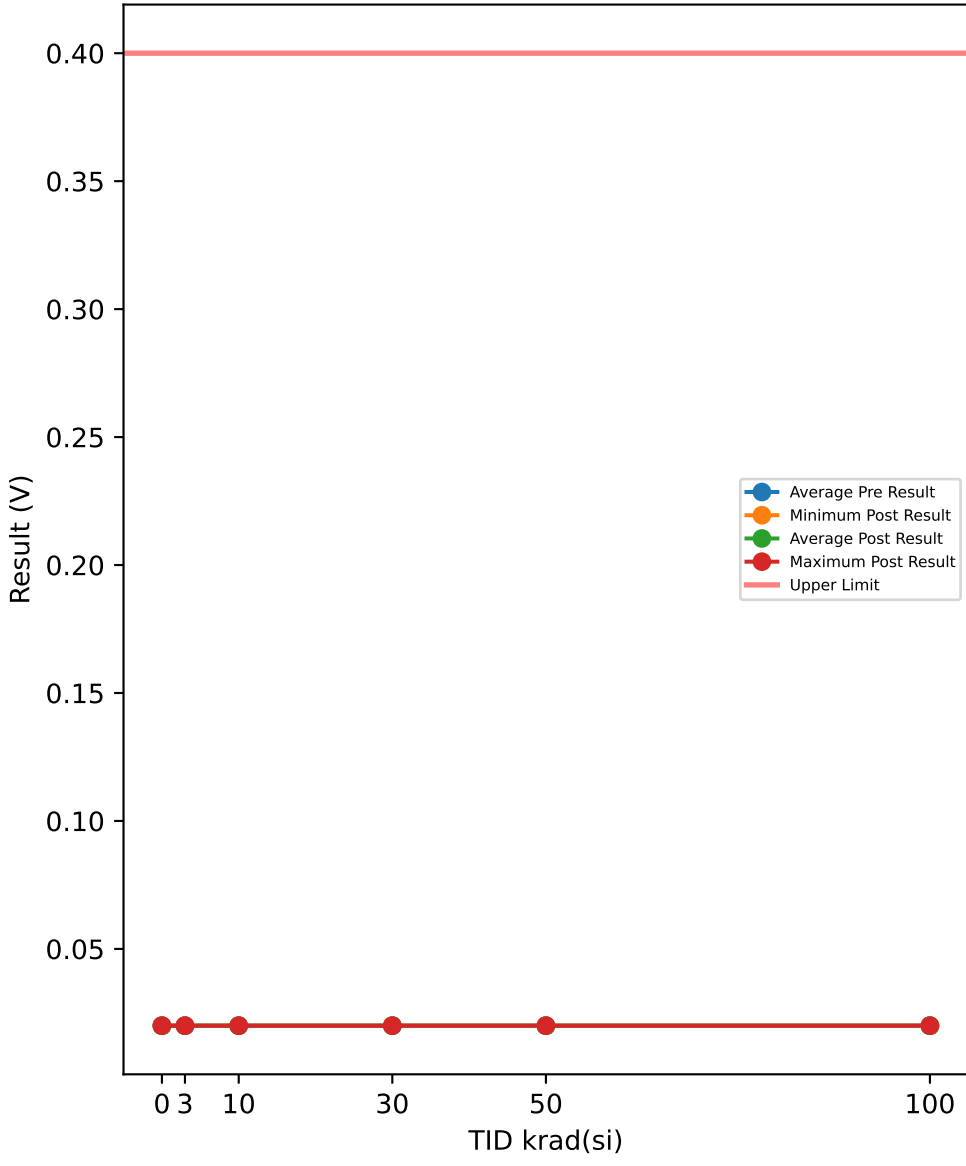
TID vs Post - Pre Exposure Delta



Test Statistics (V)

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	0.02	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

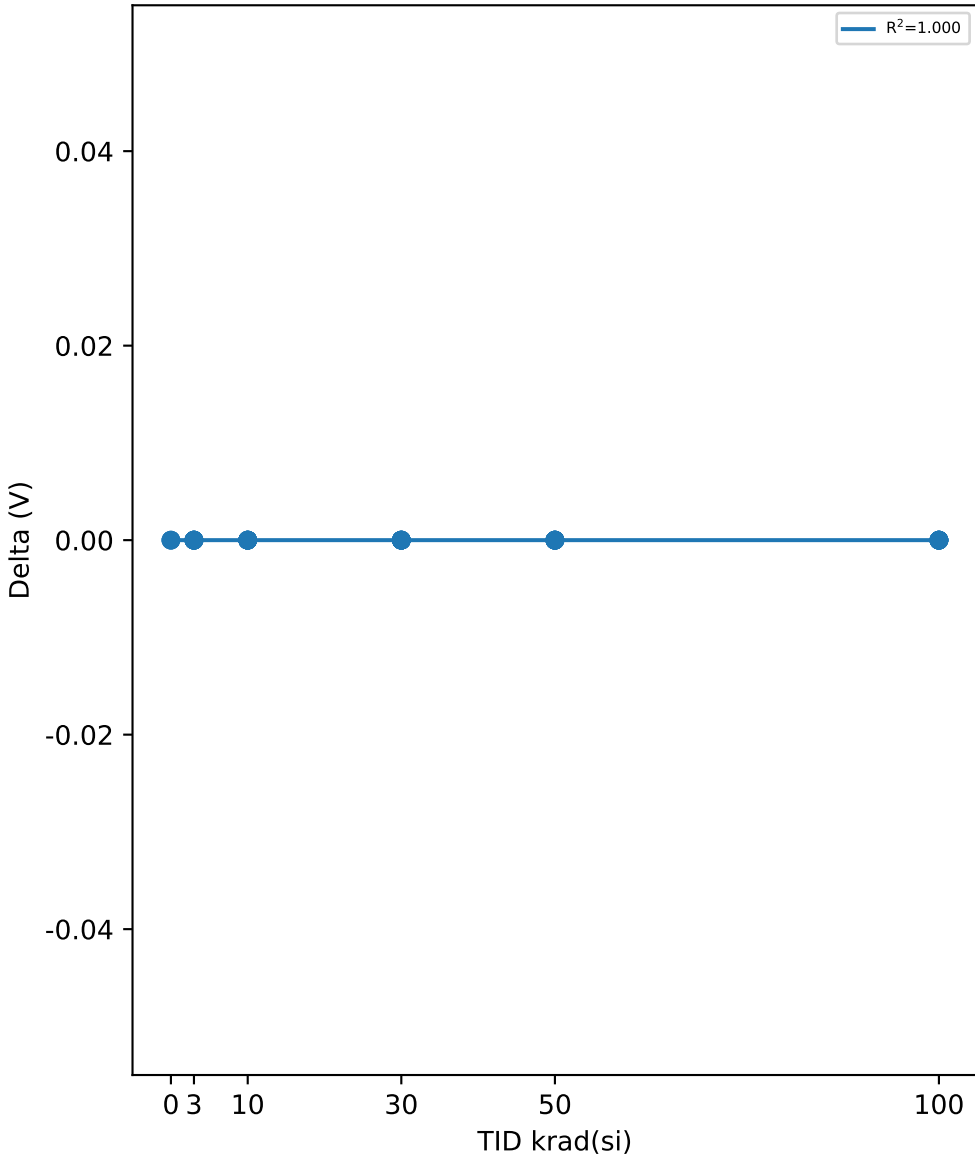
TID vs Result Stats



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

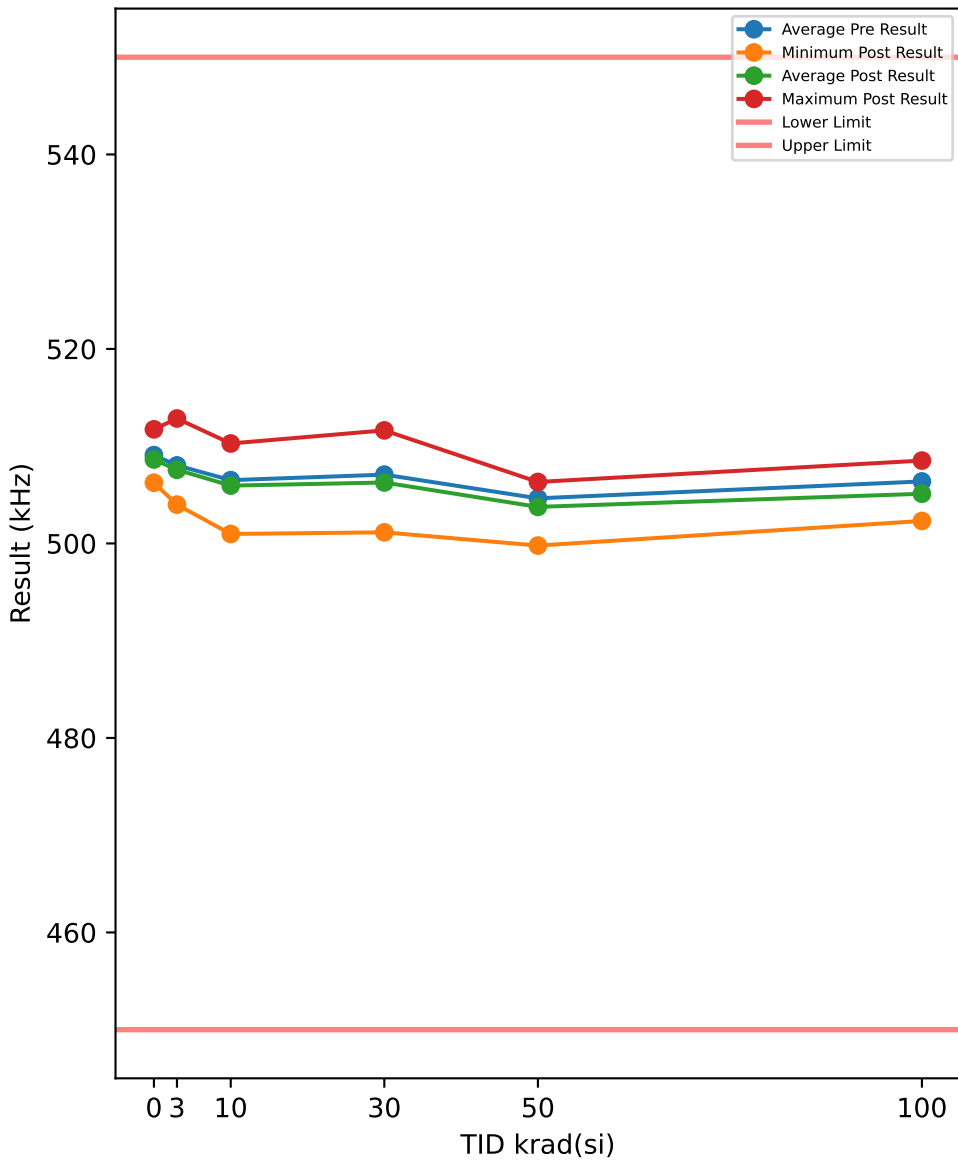
TID vs Post - Pre Exposure Delta



Test Statistics (V)

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	0.02	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

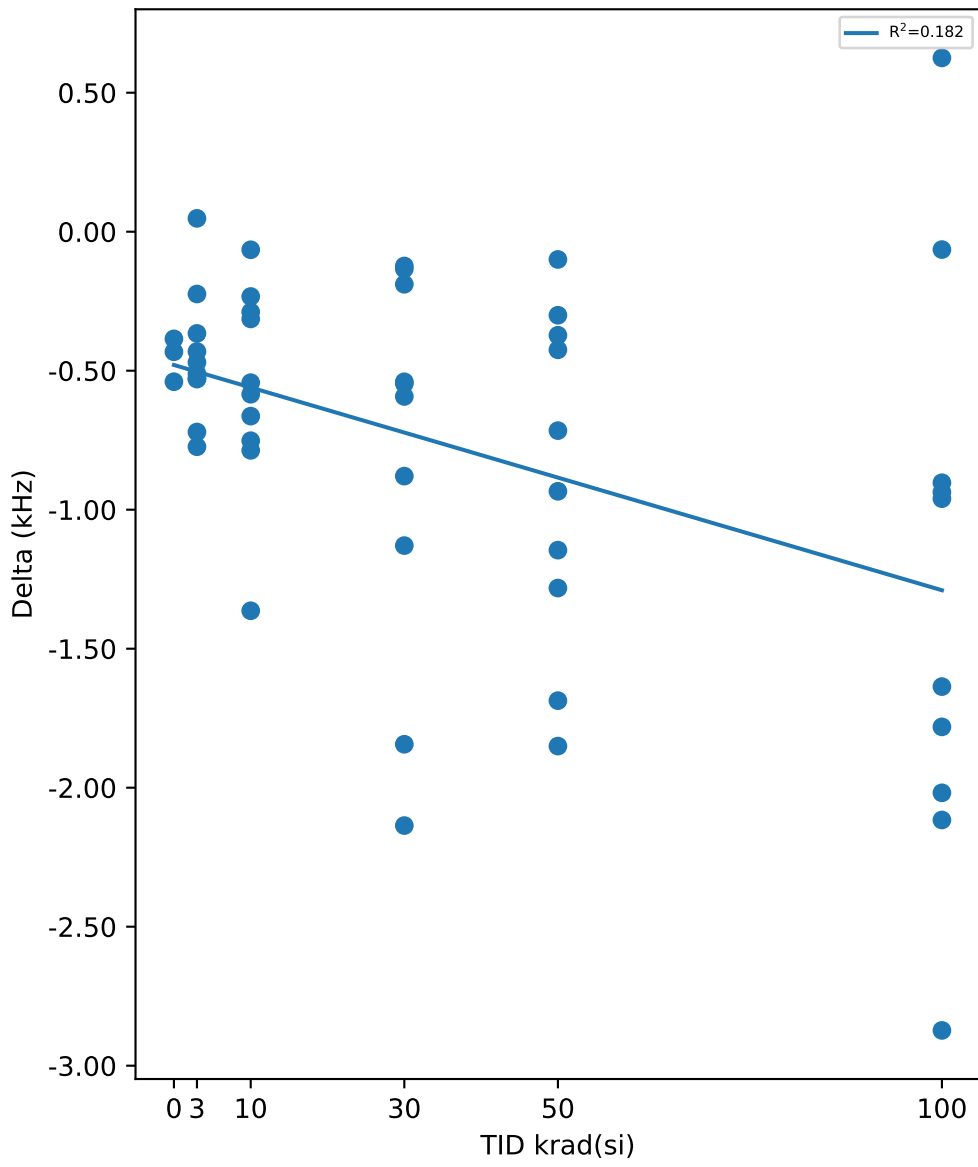
TID vs Result Stats



Test Results (Lower Limit = 450.0, Upper Limit = 550.0 (kHz))

Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
390	100	Biased	510.54	508.52	-2.0184
392	100	Biased	504.43	504.36	-0.0643
393	100	Biased	506.92	504.8	-2.1161
394	100	Biased	507.74	506.83	-0.903
395	100	Biased	506.53	505.59	-0.9367
412	100	Unbiased	505.25	504.29	-0.9603
413	100	Unbiased	509.07	507.29	-1.7812
414	100	Unbiased	503.95	502.31	-1.6363
415	100	Unbiased	502.17	502.79	0.6252
416	100	Unbiased	507.17	504.29	-2.873
417	50	Biased	504.11	502.42	-1.6869
418	50	Biased	502.69	501.41	-1.2818
419	50	Biased	499.88	499.78	-0.0998
421	50	Biased	505.45	504.3	-1.1455
422	50	Biased	506.75	506.32	-0.4248
423	50	Unbiased	506.66	504.81	-1.8503
424	50	Unbiased	505.92	505.21	-0.7155
425	50	Unbiased	504.07	503.7	-0.3725
426	50	Unbiased	503.62	503.32	-0.3005
427	50	Unbiased	507.23	506.3	-0.9338
463	0	Corr	512.12	511.73	-0.3855
464	0	Corr	508.36	507.92	-0.4318
465	0	Corr	506.78	506.24	-0.5396
466	30	Biased	505.23	503.09	-2.1362
469	30	Biased	511.37	511.18	-0.1891
470	30	Biased	506.52	505.97	-0.5464
472	30	Biased	504.93	504.34	-0.5927
474	30	Biased	503.76	503.64	-0.1233
475	30	Unbiased	507.05	506.51	-0.5399
477	30	Unbiased	502.99	501.14	-1.8437
478	30	Unbiased	508.64	508.5	-0.1337
479	30	Unbiased	512.51	511.63	-0.8792
480	30	Unbiased	507.77	506.64	-1.1291
481	10	Biased	503.81	503.57	-0.2331
482	10	Biased	510.46	509.68	-0.7865
483	10	Biased	501.84	501.52	-0.3138
484	10	Biased	510.94	510.28	-0.6634
485	10	Biased	508.42	507.87	-0.543
487	10	Unbiased	507.46	507.17	-0.2888
488	10	Unbiased	506	505.93	-0.065
489	10	Unbiased	505.15	504.4	-0.7518
490	10	Unbiased	501.56	500.98	-0.5847
491	10	Unbiased	509.45	508.08	-1.3635
492	3	Biased	509.14	508.77	-0.3659
493	3	Biased	508.32	507.79	-0.5276
494	3	Biased	509.41	508.88	-0.5302
495	3	Biased	504.71	503.99	-0.7205
496	3	Biased	510.84	510.41	-0.4309
497	3	Unbiased	507.05	506.82	-0.2241
498	3	Unbiased	505.69	504.92	-0.7735
499	3	Unbiased	506.04	505.57	-0.4698
500	3	Unbiased	506.27	505.75	-0.511
502	3	Unbiased	512.8	512.85	0.048

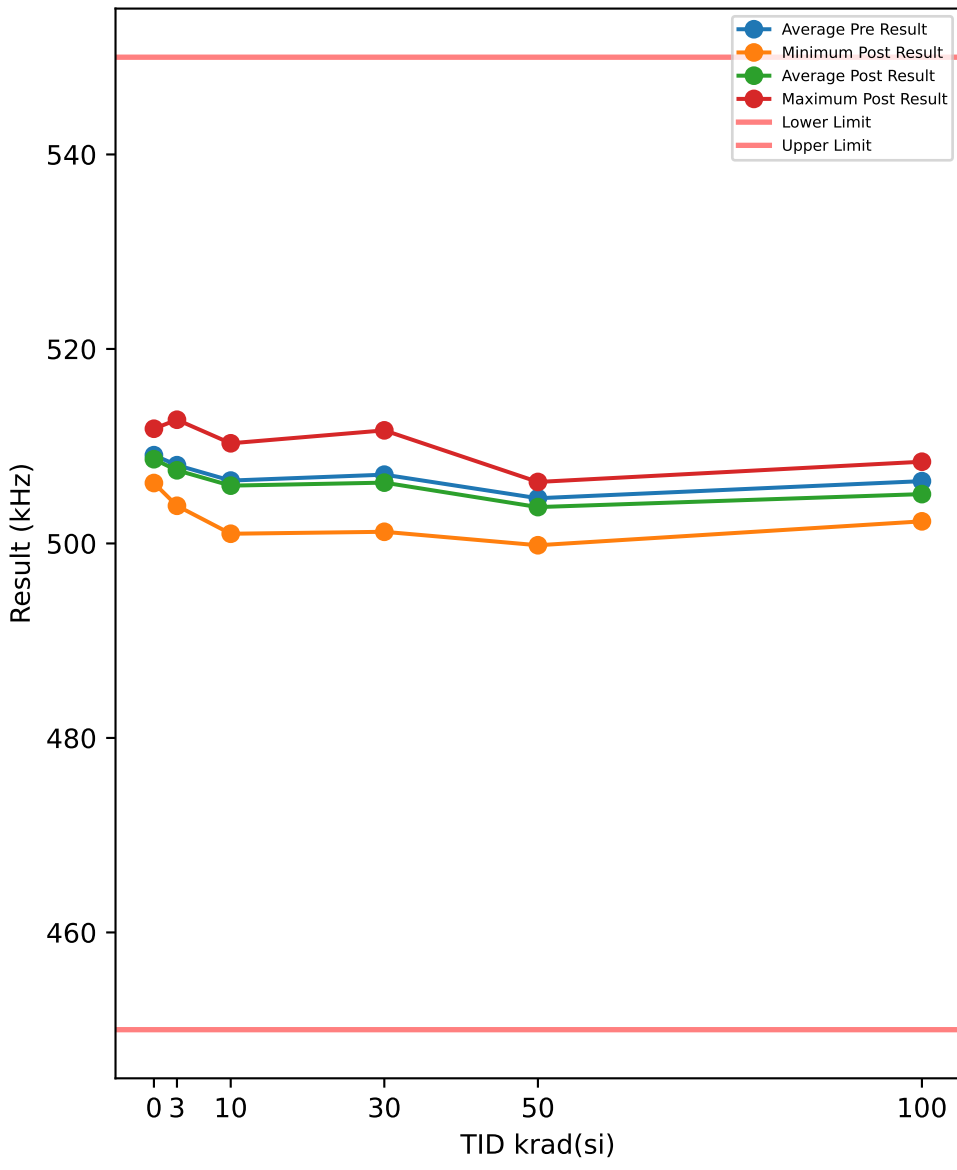
TID vs Post - Pre Exposure Delta



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	506.78	509.09	512.12	2.7415	506.24	508.63	511.73	2.8126	-0.5396	-0.4523	-0.3855	0.079069
3	504.71	508.03	512.8	2.5467	503.99	507.58	512.85	2.7246	-0.7735	-0.45055	0.048	0.2359
10	501.56	506.51	510.94	3.4029	500.98	505.95	510.28	3.2453	-1.3635	-0.55936	-0.065	0.36989
30	502.99	507.08	512.51	3.1063	501.14	506.27	511.63	3.417	-2.1362	-0.81133	-0.1233	0.70222
50	499.88	504.64	507.23	2.2518	499.78	503.76	506.32	2.1043	-1.8503	-0.88114	-0.0998	0.60219
100	502.17	506.38	510.54	2.4955	502.31	505.11	508.52	1.9652	-2.873	-1.2664	0.6252	1.0343

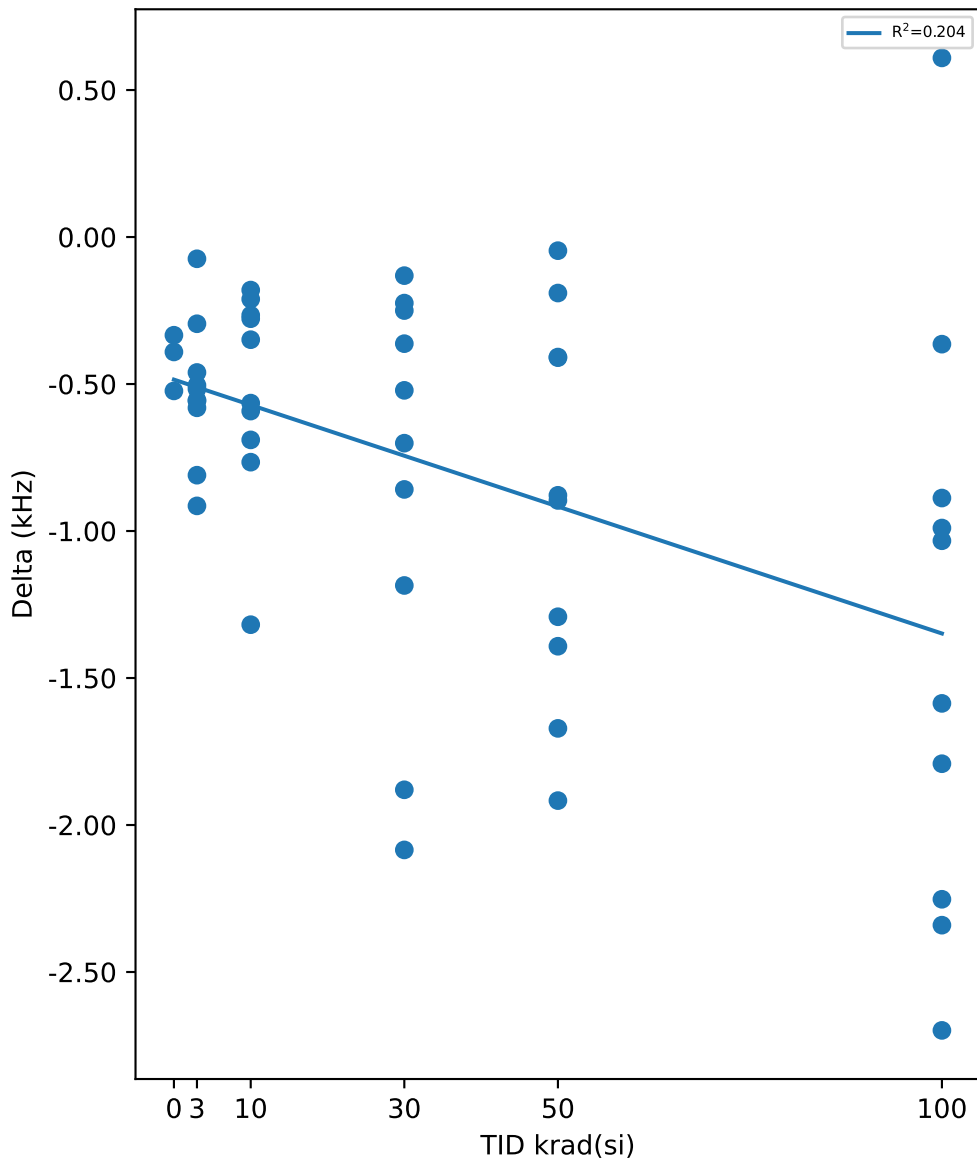
TID vs Result Stats



Test Results (Lower Limit = 450.0, Upper Limit = 550.0 (kHz))

Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
390	100	Biased	510.66	508.4	-2.2526
392	100	Biased	504.61	504.24	-0.3644
393	100	Biased	507.07	504.73	-2.3407
394	100	Biased	507.65	506.76	-0.8878
395	100	Biased	506.56	505.57	-0.9898
412	100	Unbiased	505.32	504.28	-1.0331
413	100	Unbiased	509.07	507.28	-1.7915
414	100	Unbiased	503.86	502.27	-1.5863
415	100	Unbiased	502.21	502.82	0.6093
416	100	Unbiased	507.08	504.39	-2.6986
417	50	Biased	504.12	502.45	-1.6713
418	50	Biased	502.73	501.34	-1.3919
419	50	Biased	499.86	499.81	-0.0464
421	50	Biased	505.52	504.23	-1.2916
422	50	Biased	506.73	506.32	-0.4083
423	50	Unbiased	506.75	504.83	-1.917
424	50	Unbiased	506.05	505.18	-0.8785
425	50	Unbiased	504.02	503.61	-0.4103
426	50	Unbiased	503.53	503.34	-0.1905
427	50	Unbiased	507.17	506.28	-0.896
463	0	Corr	512.19	511.8	-0.3909
464	0	Corr	508.31	507.97	-0.334
465	0	Corr	506.74	506.21	-0.5234
466	30	Biased	505.21	503.12	-2.0847
469	30	Biased	511.39	511.14	-0.2501
470	30	Biased	506.34	505.97	-0.3627
472	30	Biased	504.9	504.38	-0.5215
474	30	Biased	503.79	503.65	-0.1313
475	30	Unbiased	507.1	506.4	-0.7012
477	30	Unbiased	503.08	501.2	-1.8802
478	30	Unbiased	508.6	508.38	-0.2247
479	30	Unbiased	512.49	511.63	-0.8585
480	30	Unbiased	507.84	506.65	-1.1852
481	10	Biased	503.83	503.56	-0.2659
482	10	Biased	510.35	509.66	-0.69
483	10	Biased	501.76	501.55	-0.2112
484	10	Biased	510.89	510.3	-0.592
485	10	Biased	508.3	507.96	-0.3492
487	10	Unbiased	507.38	507.11	-0.2778
488	10	Unbiased	506.05	505.87	-0.1804
489	10	Unbiased	505.13	504.36	-0.7658
490	10	Unbiased	501.56	501	-0.5649
491	10	Unbiased	509.4	508.08	-1.3186
492	3	Biased	509.03	508.73	-0.295
493	3	Biased	508.31	507.79	-0.5168
494	3	Biased	509.45	508.89	-0.5575
495	3	Biased	504.79	503.87	-0.9145
496	3	Biased	510.92	510.37	-0.5549
497	3	Unbiased	507.13	506.63	-0.5043
498	3	Unbiased	505.75	504.94	-0.8101
499	3	Unbiased	506.08	505.5	-0.5809
500	3	Unbiased	506.23	505.77	-0.4607
502	3	Unbiased	512.8	512.72	-0.074

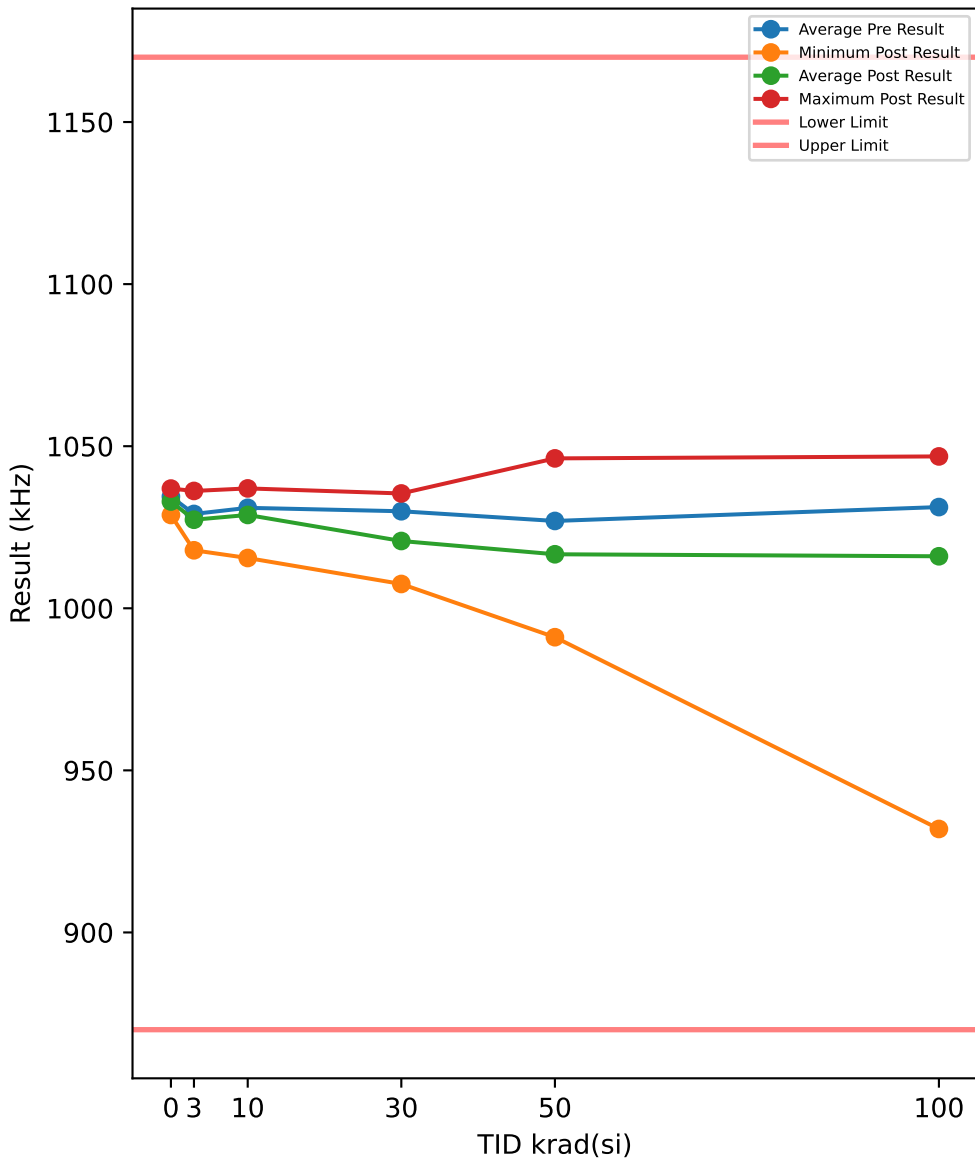
TID vs Post - Pre Exposure Delta



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	506.74	509.08	512.19	2.8056	506.21	508.66	511.8	2.8543	-0.5234	-0.4161	-0.334	0.097182
3	504.79	508.05	512.8	2.5329	503.87	507.52	512.72	2.7185	-0.9145	-0.52687	-0.074	0.23546
10	501.56	506.47	510.89	3.3763	501	505.94	510.3	3.2437	-1.3186	-0.52158	-0.1804	0.34918
30	503.08	507.07	512.49	3.0991	501.2	506.25	511.63	3.3869	-2.0847	-0.82001	-0.1313	0.69315
50	499.86	504.65	507.17	2.2705	499.81	503.74	506.32	2.0986	-1.917	-0.91018	-0.0464	0.64442
100	502.21	506.41	510.66	2.4977	502.27	505.07	508.4	1.9402	-2.6986	-1.3335	0.6093	1.0065

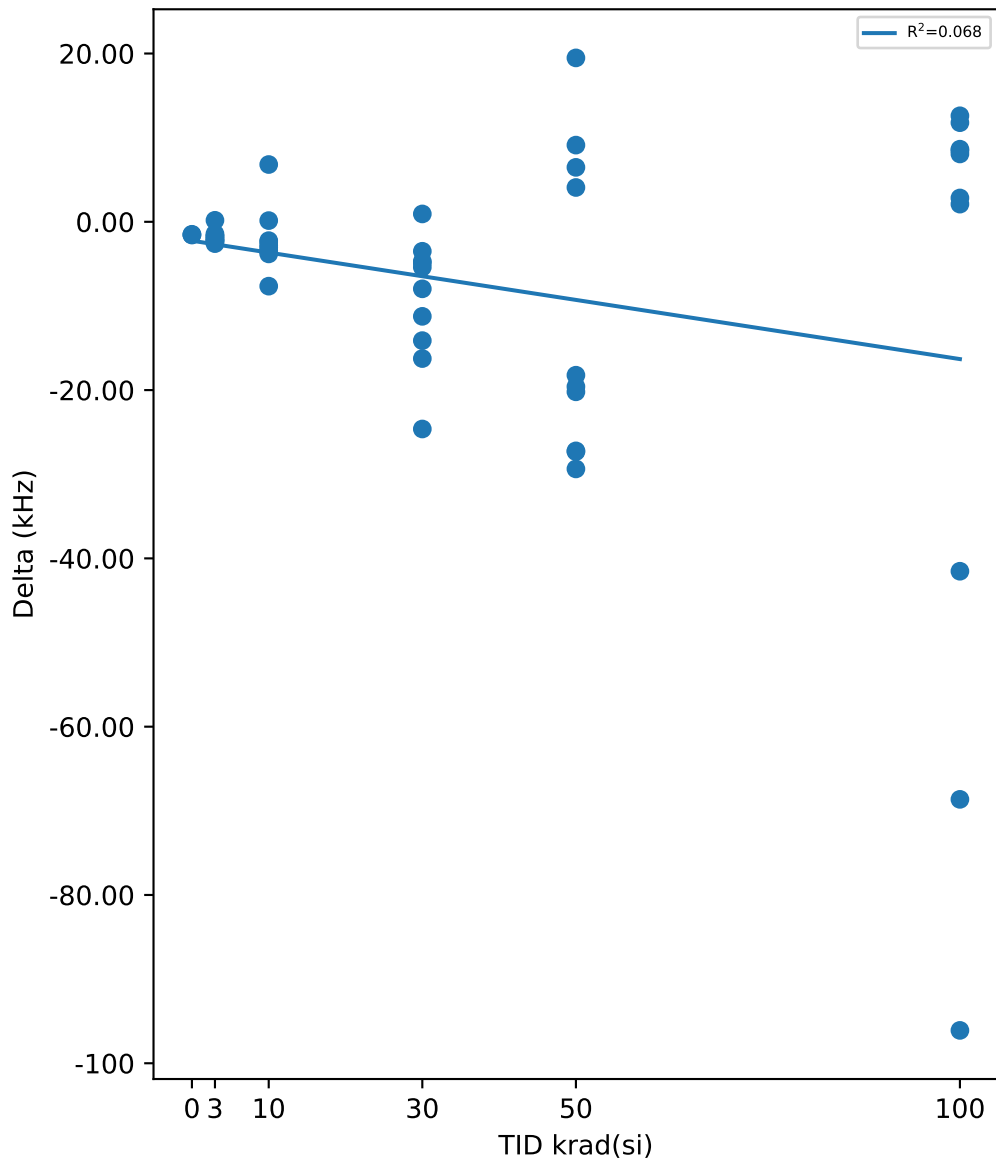
TID vs Result Stats



Test Results (Lower Limit = 870.0, Upper Limit = 1170.0 (kHz))

Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
390	100	Biased	1033.7	965.1	-68.637
392	100	Biased	1034	1042	8.0637
393	100	Biased	1032.1	1040.8	8.6301
394	100	Biased	1024.6	983.09	-41.527
395	100	Biased	1028	931.92	-96.094
412	100	Unbiased	1036.9	1039.7	2.8315
413	100	Unbiased	1038.4	1046.8	8.467
414	100	Unbiased	1023.1	1035.7	12.599
415	100	Unbiased	1026.4	1038.1	11.78
416	100	Unbiased	1035.1	1037.2	2.1007
417	50	Biased	1026.2	998.85	-27.307
418	50	Biased	1019.1	999.48	-19.588
419	50	Biased	1024	1043.5	19.479
421	50	Biased	1023.9	1005.6	-18.23
422	50	Biased	1037.1	1046.2	9.1152
423	50	Unbiased	1030.6	1010.4	-20.204
424	50	Unbiased	1033.8	1040.2	6.4705
425	50	Unbiased	1026.6	999.33	-27.223
426	50	Unbiased	1027.8	1031.8	4.079
427	50	Unbiased	1020.4	991.08	-29.367
463	0	Corr	1030.3	1028.8	-1.5409
464	0	Corr	1038.5	1036.9	-1.5685
465	0	Corr	1034.6	1033.1	-1.4832
466	30	Biased	1021.6	1007.5	-14.119
469	30	Biased	1038.9	1035.4	-3.5015
470	30	Biased	1038.2	1033.5	-4.6889
472	30	Biased	1023	1017.6	-5.3999
474	30	Biased	1028.1	1023.2	-4.8981
475	30	Unbiased	1025.6	1009.3	-16.252
477	30	Unbiased	1026.7	1027.7	0.9351
478	30	Unbiased	1029.4	1018.1	-11.235
479	30	Unbiased	1035.4	1010.8	-24.622
480	30	Unbiased	1032.3	1024.4	-7.9646
481	10	Biased	1033.4	1031	-2.394
482	10	Biased	1033.4	1033.5	0.144
483	10	Biased	1028.1	1025.3	-2.8023
484	10	Biased	1033.1	1030	-3.039
485	10	Biased	1023.2	1015.5	-7.6485
487	10	Unbiased	1026.6	1024.4	-2.2379
488	10	Unbiased	1037.6	1034	-3.5608
489	10	Unbiased	1030.2	1037	6.8079
490	10	Unbiased	1024.5	1021.1	-3.4126
491	10	Unbiased	1040	1036.2	-3.8156
492	3	Biased	1019.3	1017.9	-1.4255
493	3	Biased	1034.3	1032.3	-2.0704
494	3	Biased	1033.2	1031	-2.1542
495	3	Biased	1024.9	1022.7	-2.2408
496	3	Biased	1036.3	1034.6	-1.6699
497	3	Unbiased	1028.9	1027.2	-1.6813
498	3	Unbiased	1024.1	1022.2	-1.8563
499	3	Unbiased	1027.7	1025.1	-2.5938
500	3	Unbiased	1026.3	1024	-2.3055
502	3	Unbiased	1036	1036.2	0.1788

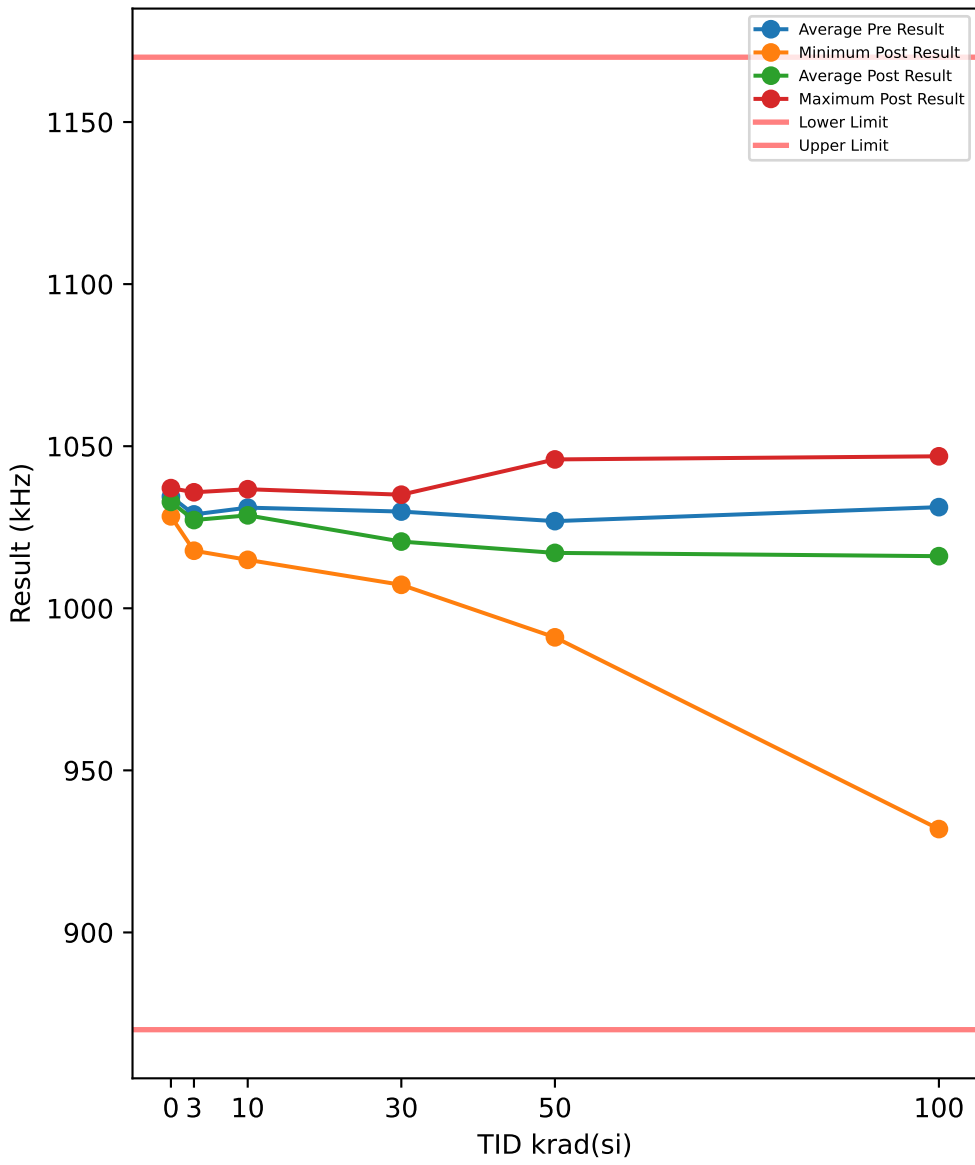
TID vs Post - Pre Exposure Delta



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	1030.3	1034.5	1038.5	4.09	1028.8	1032.9	1036.9	4.0775	-1.5685	-1.5309	-1.4832	0.043526
3	1019.3	1029.1	1036.3	5.6963	1017.9	1027.3	1036.2	5.9891	-2.5938	-1.7819	0.1788	0.77211
10	1023.2	1031	1040	5.4944	1015.5	1028.8	1037	7.0323	-7.6485	-2.1959	6.8079	3.7023
30	1021.6	1029.9	1038.9	6.1006	1007.5	1020.8	1035.4	9.8171	-24.622	-9.1747	0.9351	7.4976
50	1019.1	1026.9	1037.1	5.6528	991.08	1016.7	1046.2	21.369	-29.367	-10.278	19.479	18.068
100	1023.1	1031.2	1038.4	5.3439	931.92	1016	1046.8	40.652	-96.094	-15.179	12.599	39.281

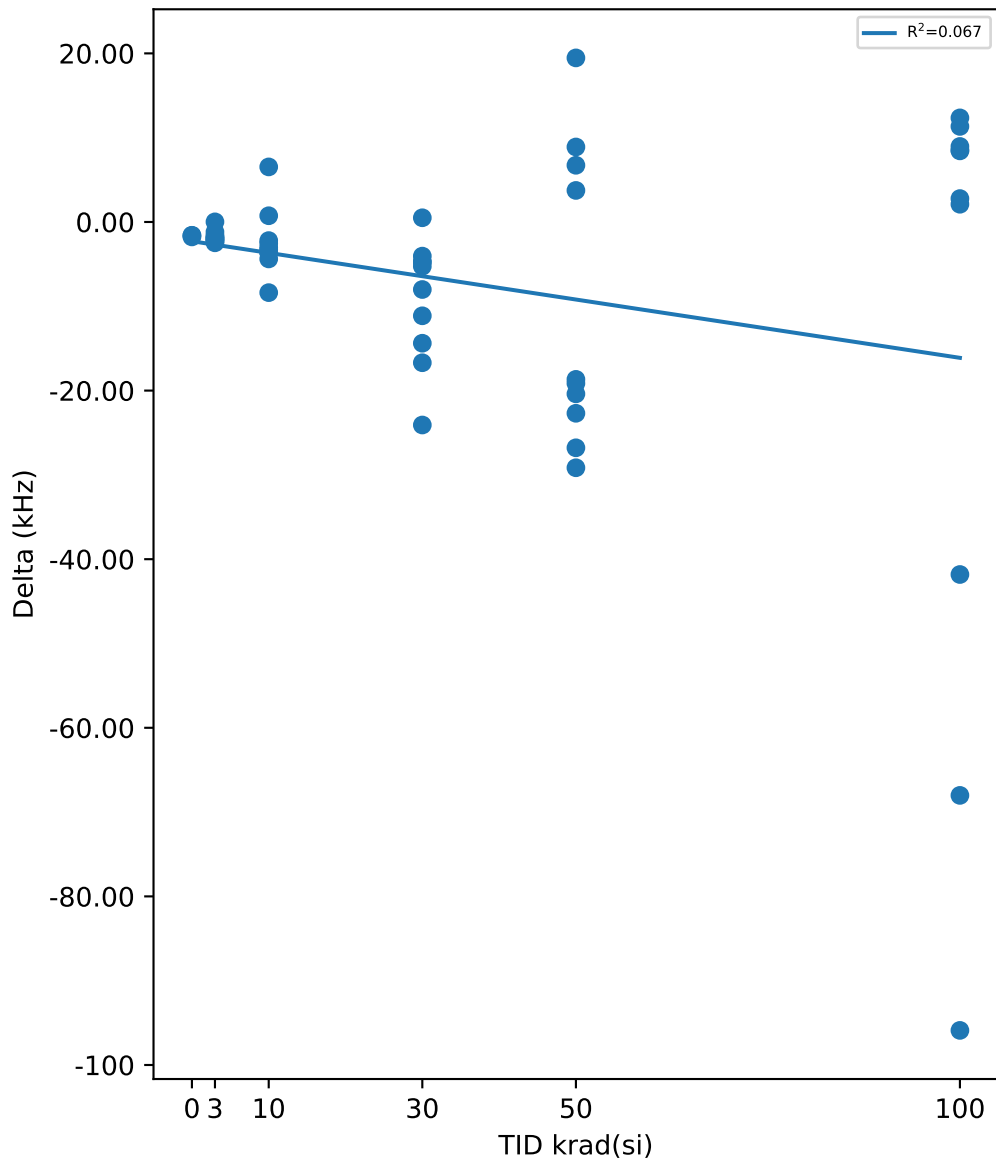
TID vs Result Stats



Test Results (Lower Limit = 870.0, Upper Limit = 1170.0 (kHz))

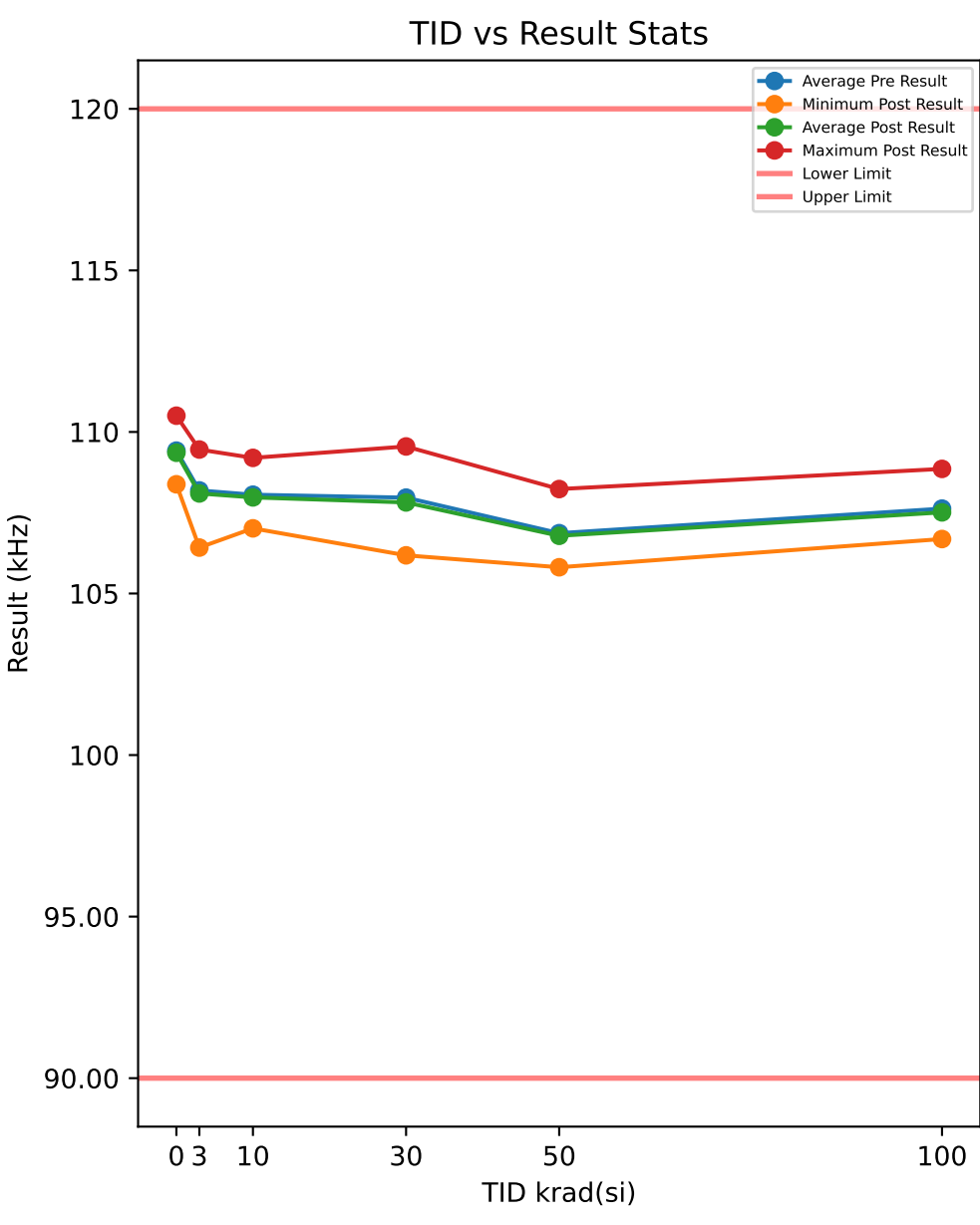
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
390	100	Biased	1033.7	965.64	-68.019
392	100	Biased	1033.8	1042.2	8.4348
393	100	Biased	1031.8	1040.8	8.9598
394	100	Biased	1024.9	983.08	-41.817
395	100	Biased	1027.8	931.89	-95.896
412	100	Unbiased	1037	1039.8	2.7774
413	100	Unbiased	1038.4	1046.9	8.5159
414	100	Unbiased	1023	1035.3	12.348
415	100	Unbiased	1026.7	1038	11.337
416	100	Unbiased	1035	1037.1	2.1037
417	50	Biased	1026.2	1003.6	-22.693
418	50	Biased	1018.9	999.76	-19.14
419	50	Biased	1023.7	1043.2	19.464
421	50	Biased	1024.1	1005.4	-18.668
422	50	Biased	1037	1045.9	8.8969
423	50	Unbiased	1030.7	1010.3	-20.389
424	50	Unbiased	1033.6	1040.3	6.7267
425	50	Unbiased	1026.4	999.61	-26.787
426	50	Unbiased	1027.9	1031.7	3.7428
427	50	Unbiased	1020.2	991.04	-29.154
463	0	Corr	1030.1	1028.4	-1.7711
464	0	Corr	1038.6	1037.1	-1.577
465	0	Corr	1034.6	1033	-1.5966
466	30	Biased	1021.6	1007.2	-14.383
469	30	Biased	1039.1	1035	-4.0491
470	30	Biased	1038.1	1033.4	-4.7431
472	30	Biased	1023	1017.7	-5.2573
474	30	Biased	1028.1	1023.4	-4.7084
475	30	Unbiased	1025.7	1009	-16.697
477	30	Unbiased	1026.7	1027.2	0.4999
478	30	Unbiased	1029.1	1018	-11.129
479	30	Unbiased	1034.8	1010.7	-24.083
480	30	Unbiased	1032.2	1024.2	-8.0097
481	10	Biased	1033.1	1030.6	-2.525
482	10	Biased	1033.3	1034.1	0.7404
483	10	Biased	1028.3	1025.3	-3.0459
484	10	Biased	1033.2	1029.9	-3.2483
485	10	Biased	1023.3	1014.9	-8.3805
487	10	Unbiased	1026.7	1024.5	-2.2063
488	10	Unbiased	1037.6	1033.9	-3.6593
489	10	Unbiased	1030.2	1036.7	6.5326
490	10	Unbiased	1024.5	1020.9	-3.6049
491	10	Unbiased	1040.3	1035.9	-4.3818
492	3	Biased	1018.9	1017.8	-1.1819
493	3	Biased	1034.3	1032	-2.2215
494	3	Biased	1032.9	1031.2	-1.6127
495	3	Biased	1025.1	1022.8	-2.2742
496	3	Biased	1036.3	1034.4	-1.9898
497	3	Unbiased	1028.7	1027	-1.7335
498	3	Unbiased	1024.1	1022.2	-1.9523
499	3	Unbiased	1027.6	1025.1	-2.4702
500	3	Unbiased	1025.9	1023.9	-1.9858
502	3	Unbiased	1035.8	1035.8	0.0151

TID vs Post - Pre Exposure Delta



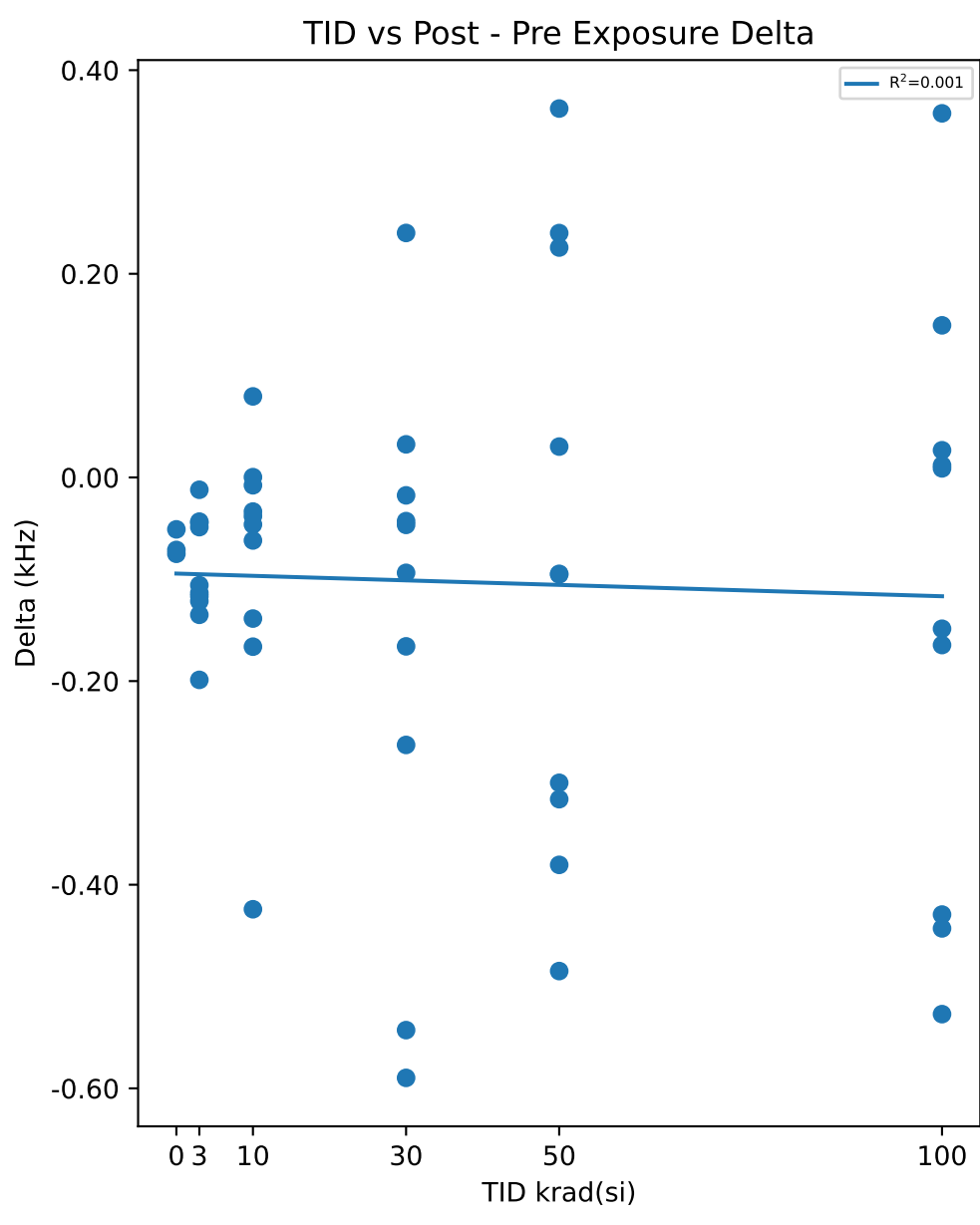
Test Statistics (kHz)

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	1030.1	1034.5	1038.6	4.262	1028.4	1032.8	1037.1	4.3606	-1.7711	-1.6482	-1.577	0.10686
3	1018.9	1029	1036.3	5.7195	1017.8	1027.2	1035.8	5.9036	-2.4702	-1.7407	0.0151	0.71697
10	1023.3	1031	1040.3	5.4939	1014.9	1028.7	1036.7	7.1273	-8.3805	-2.3779	6.5326	3.8524
30	1021.6	1029.8	1039.1	6.0601	1007.2	1020.6	1035	9.7945	-24.083	-9.2558	0.4999	7.3474
50	1018.9	1026.9	1037	5.6817	991.04	1017.1	1045.9	20.856	-29.154	-9.8002	19.464	17.543
100	1023	1031.2	1038.4	5.2836	931.89	1016.1	1046.9	40.578	-95.896	-15.125	12.348	39.158



Test Results (Lower Limit = 90.0, Upper Limit = 120.0 (kHz))

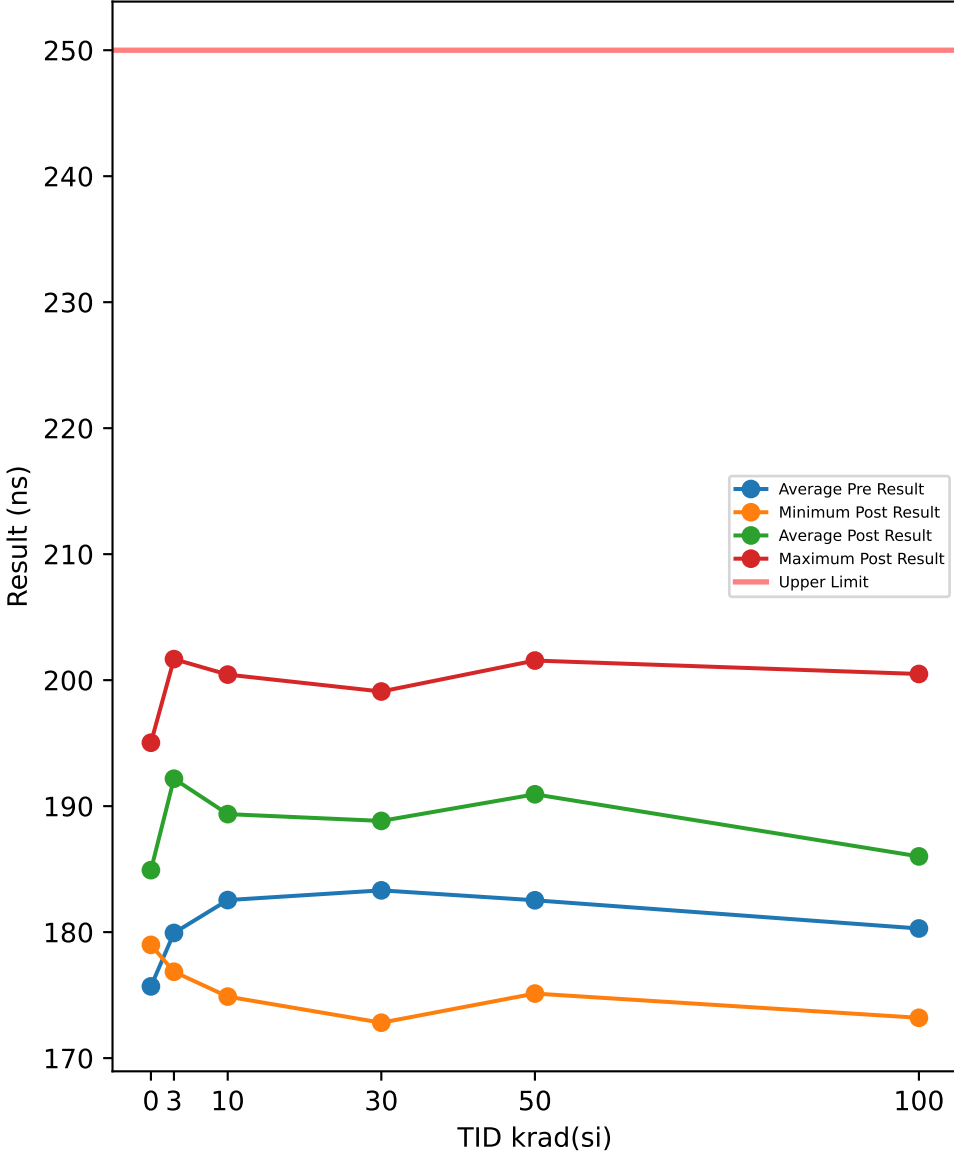
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
390	100	Biased	109.38	108.86	-0.5271
392	100	Biased	107.61	107.76	0.1494
393	100	Biased	107.48	107.33	-0.1486
394	100	Biased	107.88	107.72	-0.1646
395	100	Biased	106.77	106.8	0.0267
412	100	Unbiased	107.81	107.82	0.0089
413	100	Unbiased	108.31	107.88	-0.4293
414	100	Unbiased	106.93	106.94	0.0119
415	100	Unbiased	106.33	106.69	0.3576
416	100	Unbiased	107.75	107.31	-0.4429
417	50	Biased	106.64	106.34	-0.2999
418	50	Biased	106.13	105.81	-0.316
419	50	Biased	106.67	107.04	0.3623
421	50	Biased	106.59	106.21	-0.3805
422	50	Biased	108.33	108.23	-0.0947
423	50	Unbiased	107.47	106.98	-0.4848
424	50	Unbiased	107.06	107.3	0.24
425	50	Unbiased	106.32	106.36	0.0303
426	50	Unbiased	106.68	106.9	0.2258
427	50	Unbiased	106.79	106.69	-0.0952
463	0	Corr	109.26	109.19	-0.075
464	0	Corr	108.43	108.38	-0.051
465	0	Corr	110.57	110.5	-0.0712
466	30	Biased	106.72	106.18	-0.5428
469	30	Biased	109.57	109.55	-0.0176
470	30	Biased	107.9	107.8	-0.0937
472	30	Biased	107.47	107.5	0.0325
474	30	Biased	107.12	107.07	-0.0429
475	30	Unbiased	108.04	107.78	-0.2627
477	30	Unbiased	107.68	107.09	-0.5897
478	30	Unbiased	108.2	108.44	0.2401
479	30	Unbiased	109.09	109.04	-0.0466
480	30	Unbiased	107.89	107.73	-0.1659
481	10	Biased	107.46	107.4	-0.0619
482	10	Biased	109.24	109.2	-0.038
483	10	Biased	107.05	107.02	-0.0335
484	10	Biased	108.82	108.82	-0.0077
485	10	Biased	107.67	107.63	-0.0462
487	10	Unbiased	108.1	108.1	0.0003
488	10	Unbiased	108.07	108.15	0.0796
489	10	Unbiased	107.77	107.61	-0.1662
490	10	Unbiased	107.5	107.36	-0.1386
491	10	Unbiased	108.89	108.46	-0.4241
492	3	Biased	107.73	107.61	-0.1215
493	3	Biased	108.29	108.24	-0.0434
494	3	Biased	109.14	109.01	-0.1349
495	3	Biased	107.2	107.09	-0.1058
496	3	Biased	108.91	108.86	-0.0488
497	3	Unbiased	108.78	108.77	-0.0121
498	3	Unbiased	107.49	107.29	-0.1988
499	3	Unbiased	108.34	108.22	-0.1166
500	3	Unbiased	106.54	106.42	-0.1134
502	3	Unbiased	109.5	109.46	-0.0445



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	108.43	109.42	110.57	1.0806	108.38	109.36	110.5	1.0716	-0.075	-0.065733	-0.051	0.0129
3	106.54	108.19	109.5	0.93934	106.42	108.1	109.46	0.96873	-0.1988	-0.09398	-0.0121	0.055976
10	107.05	108.06	109.24	0.71291	107.02	107.97	109.2	0.69664	-0.4241	-0.08363	0.0796	0.13811
30	106.72	107.97	109.57	0.84912	106.18	107.82	109.55	0.98632	-0.5897	-0.14893	0.2401	0.2558
50	106.13	106.87	108.33	0.63034	105.81	106.79	108.23	0.67853	-0.4848	-0.08127	0.3623	0.29104
100	106.33	107.63	109.38	0.85614	106.69	107.51	108.86	0.64413	-0.5271	-0.1158	0.3576	0.28373

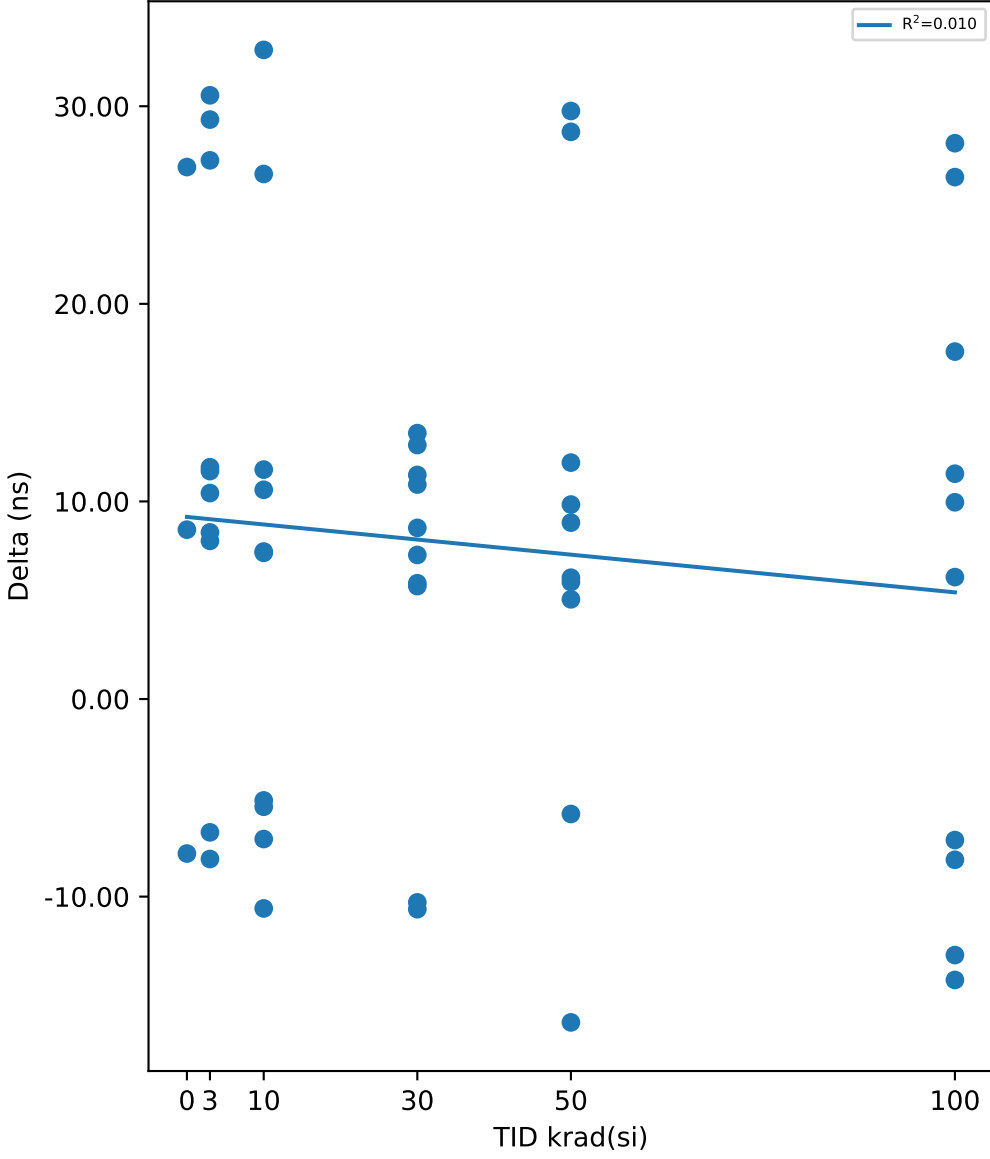
TID vs Result Stats



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

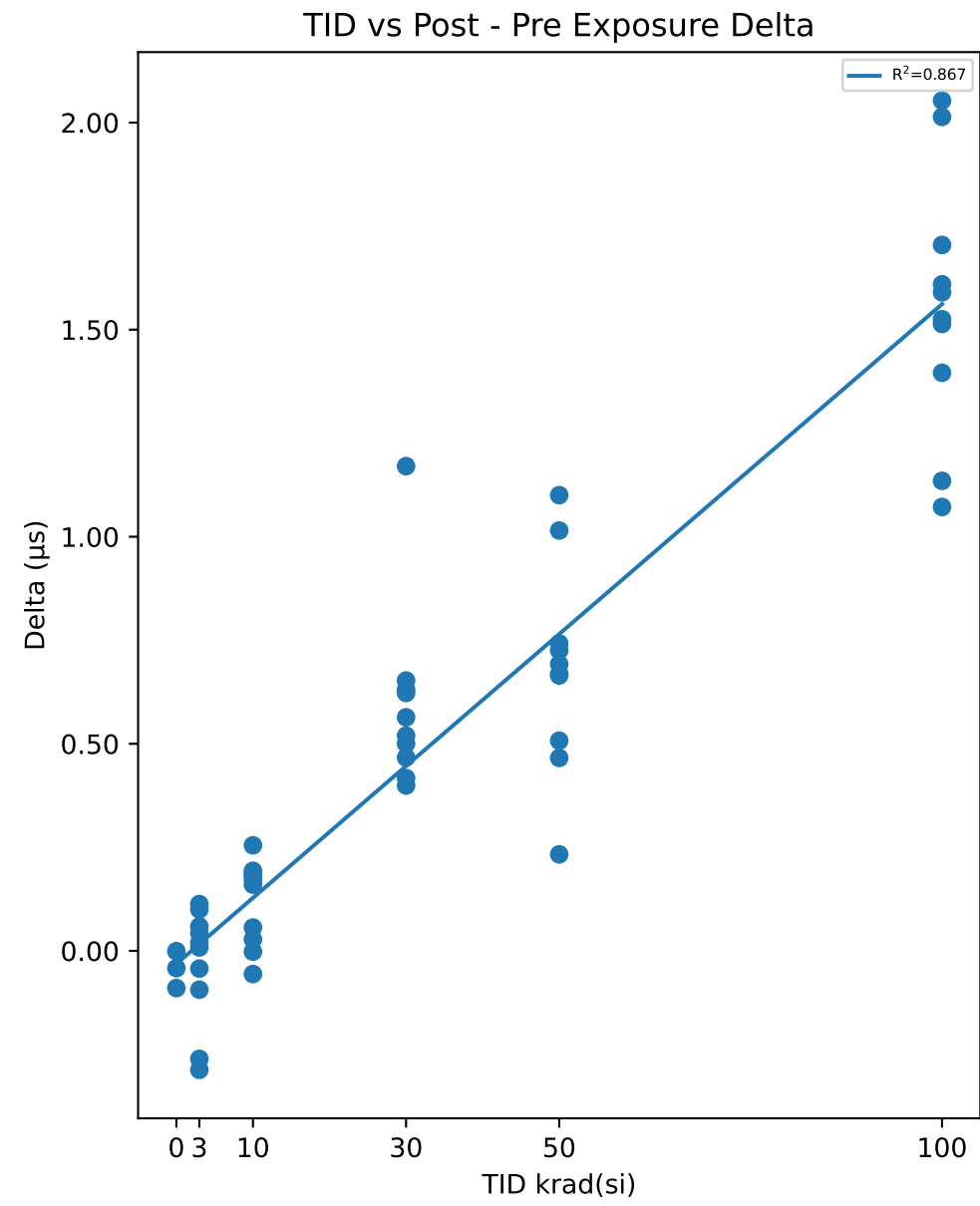
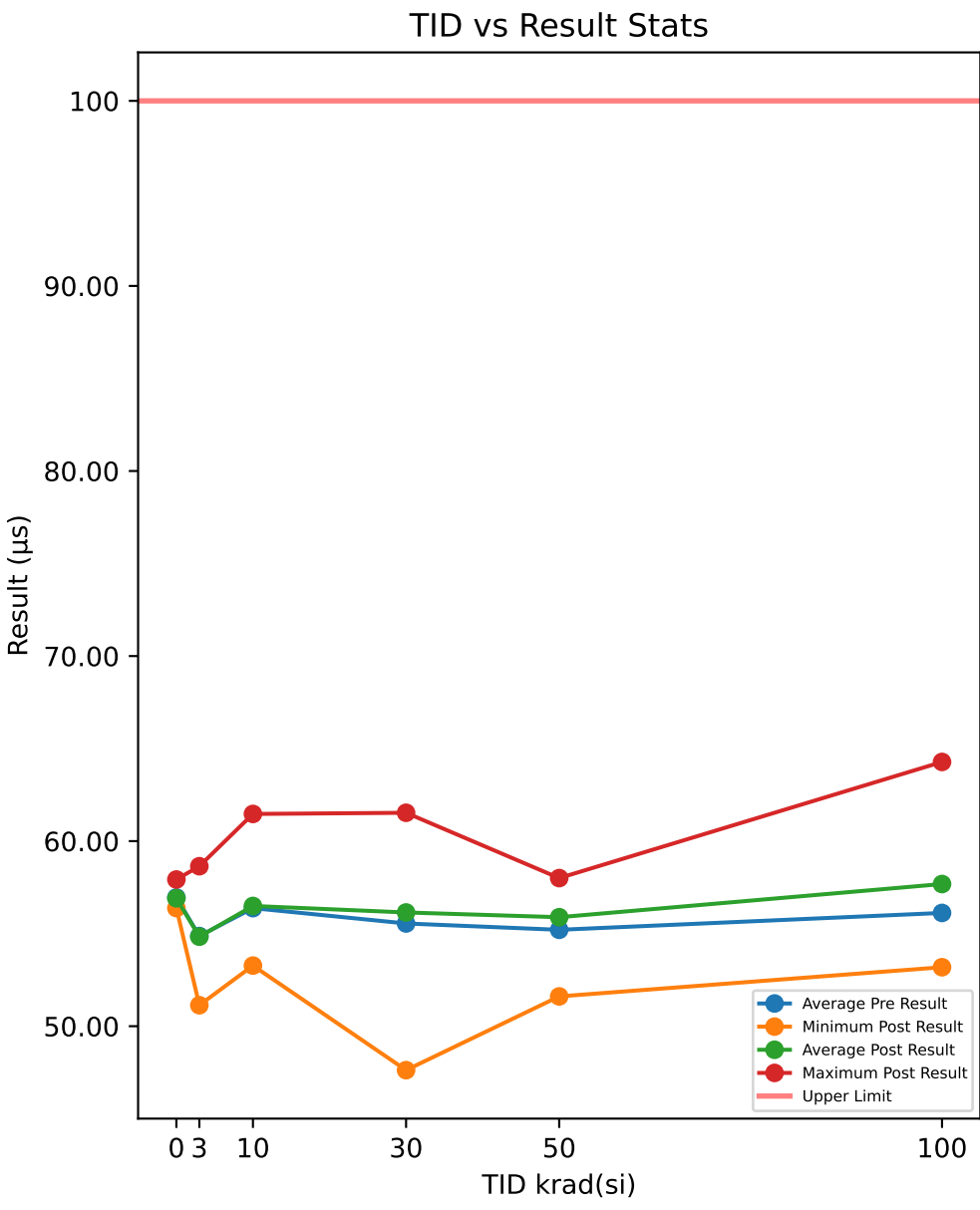
TID vs Post - Pre Exposure Delta



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))

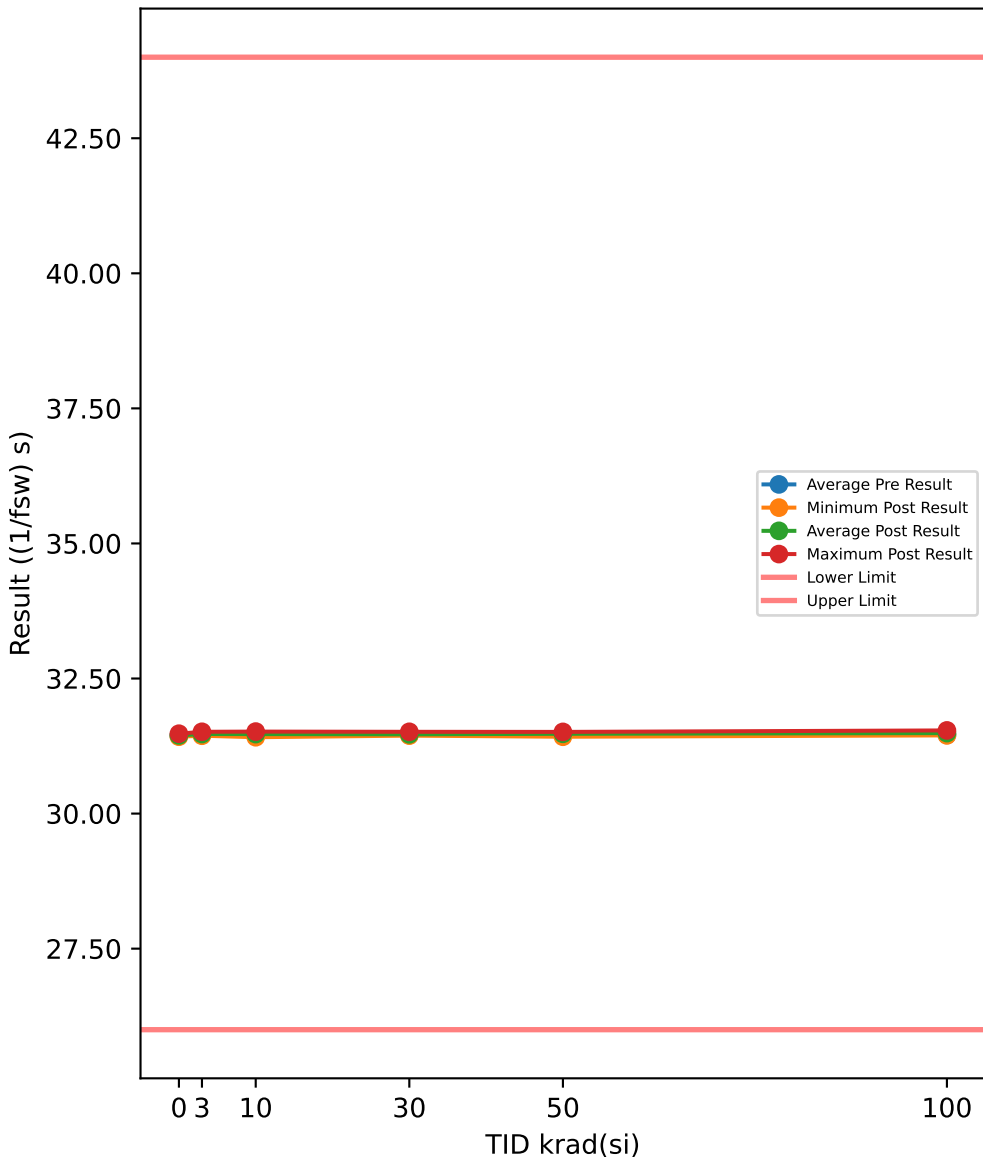
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
390	100	Biased	52.907	53.979	1.0719
392	100	Biased	54.228	55.742	1.5138
393	100	Biased	56.321	57.93	1.6095
394	100	Biased	51.661	53.186	1.5253
395	100	Biased	62.265	64.279	2.0138
412	100	Unbiased	55.475	57.179	1.7045
413	100	Unbiased	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)

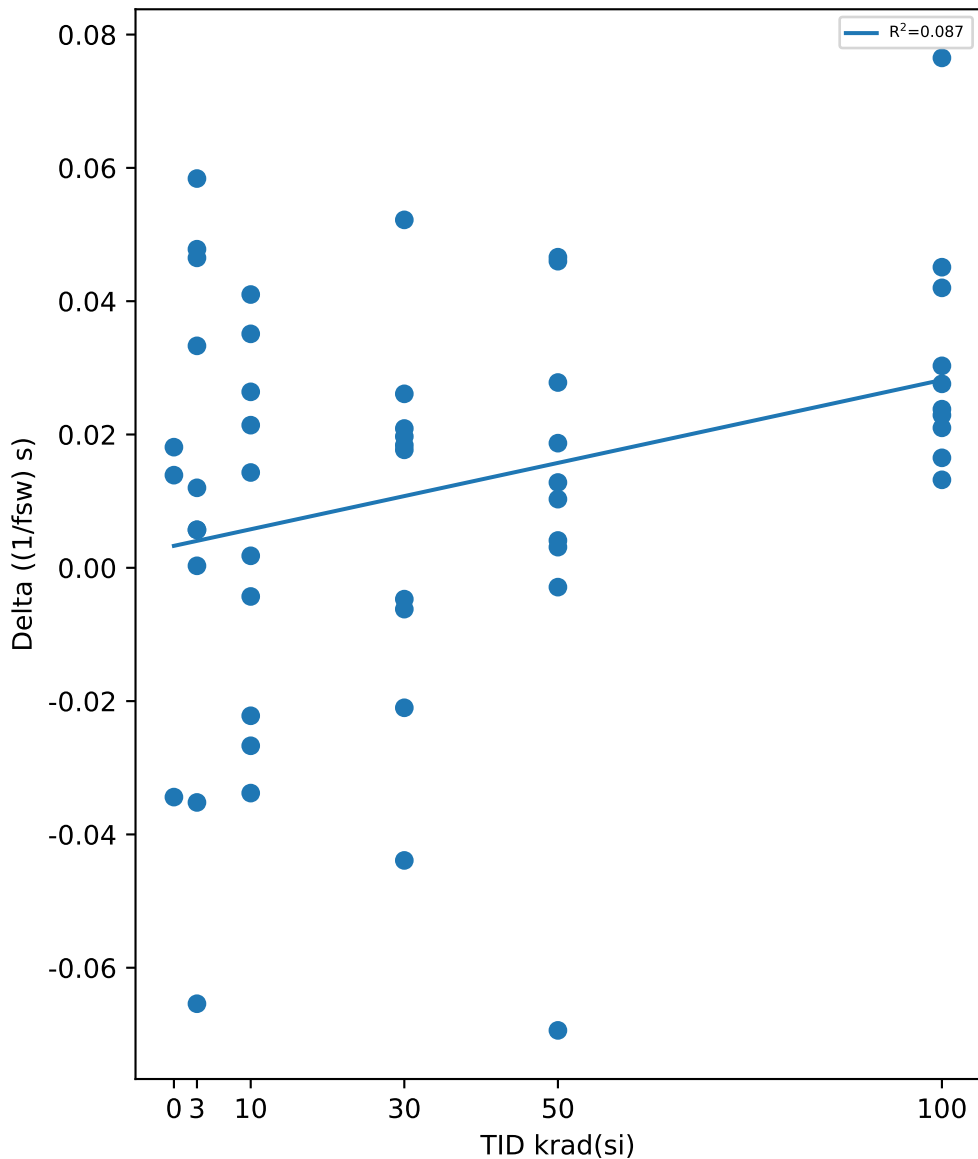
TID vs Result Stats



Test Results (Lower Limit = 26.0, Upper Limit = 44.0 ((1/fsw) s))

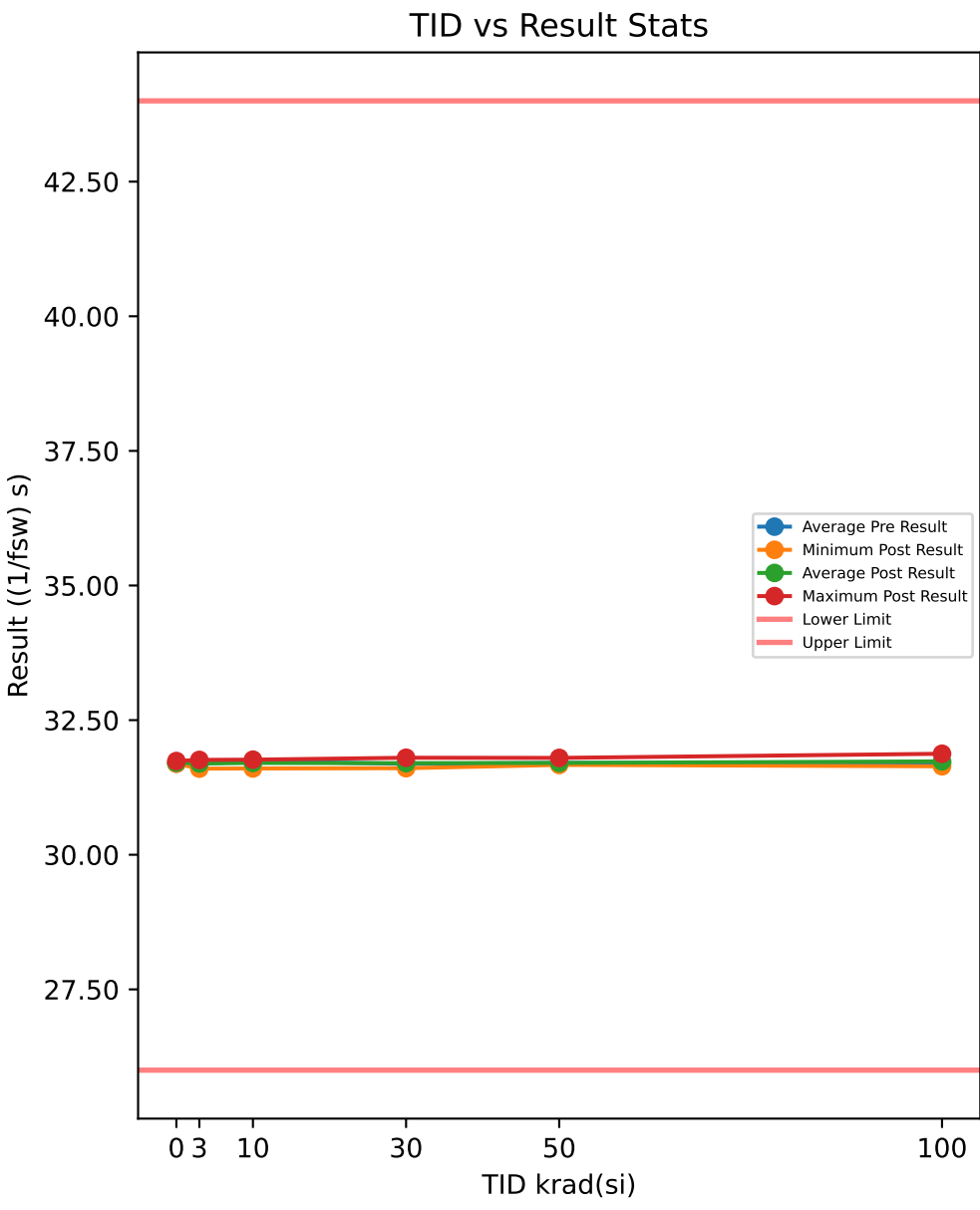
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
390	100	Biased	31.468	31.495	0.0276
392	100	Biased	31.472	31.514	0.042
393	100	Biased	31.458	31.482	0.0238
394	100	Biased	31.474	31.497	0.0229
395	100	Biased	31.434	31.447	0.0132
412	100	Unbiased	31.455	31.472	0.0165
413	100	Unbiased	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

TID vs Post - Pre Exposure Delta



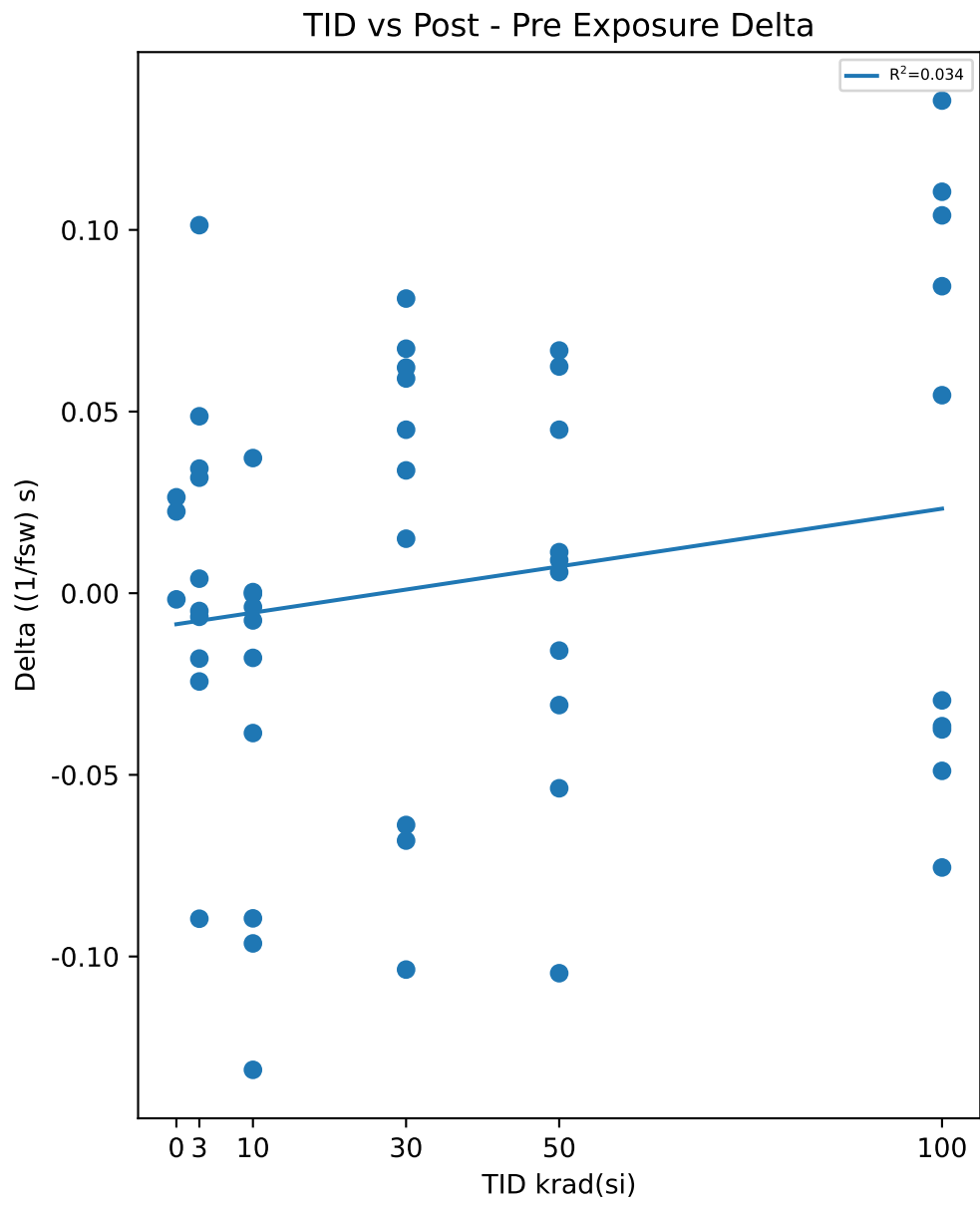
Test Statistics ((1/fsw) s)

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



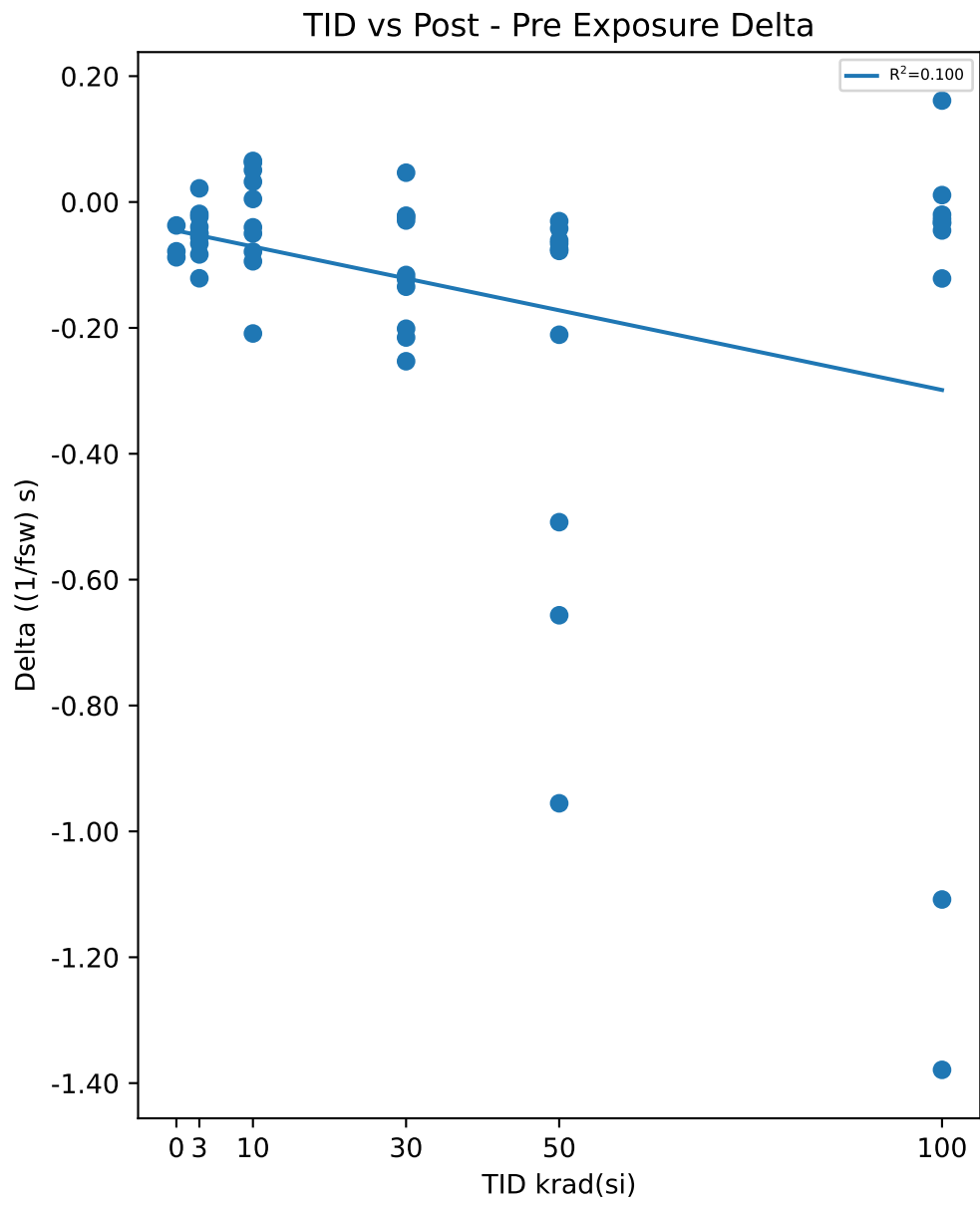
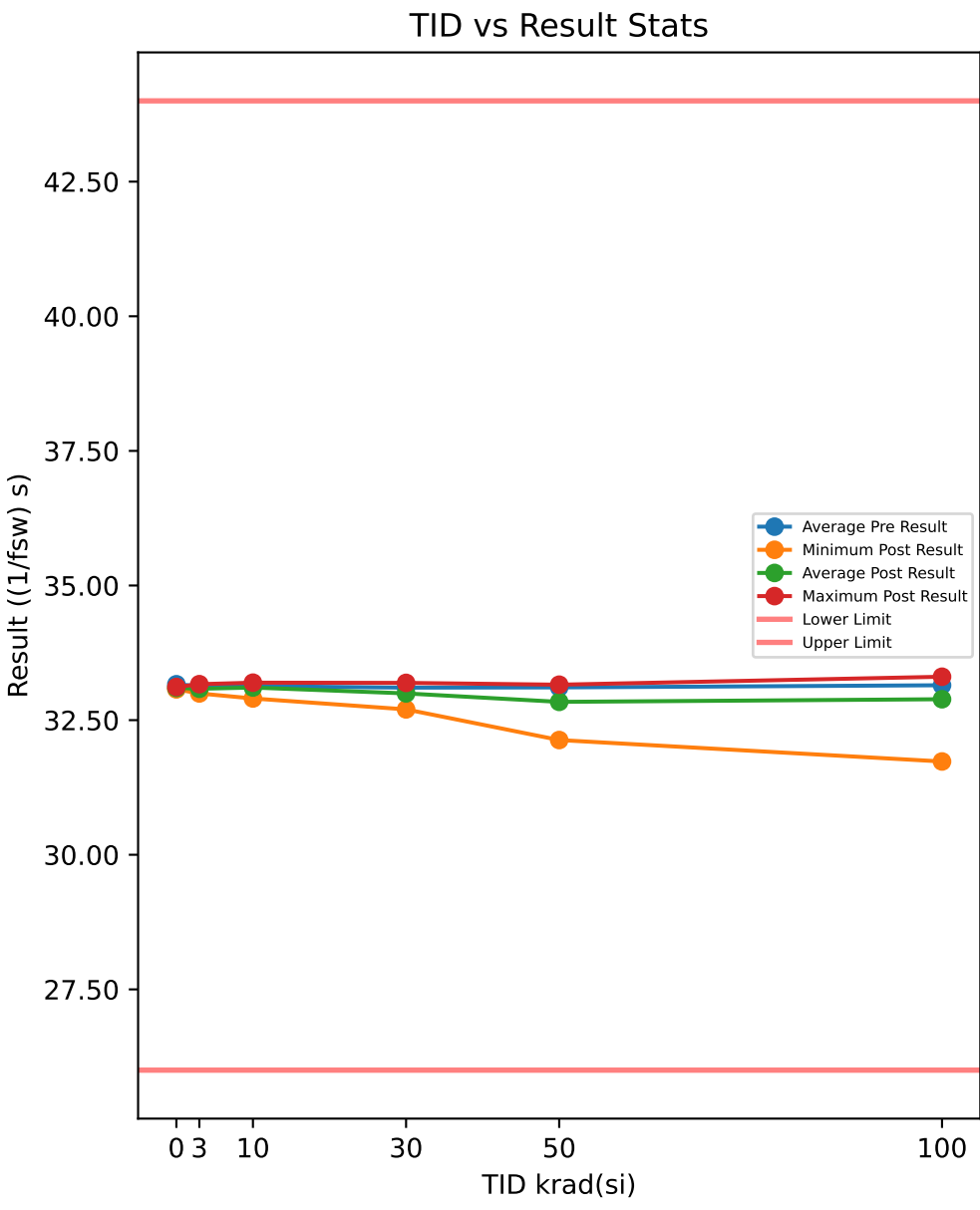
Test Results (Lower Limit = 26.0, Upper Limit = 44.0 ((1/fsw) s))

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



Test Results (Lower Limit = 26.0, Upper Limit = 44.0 ((1/fsw) s))

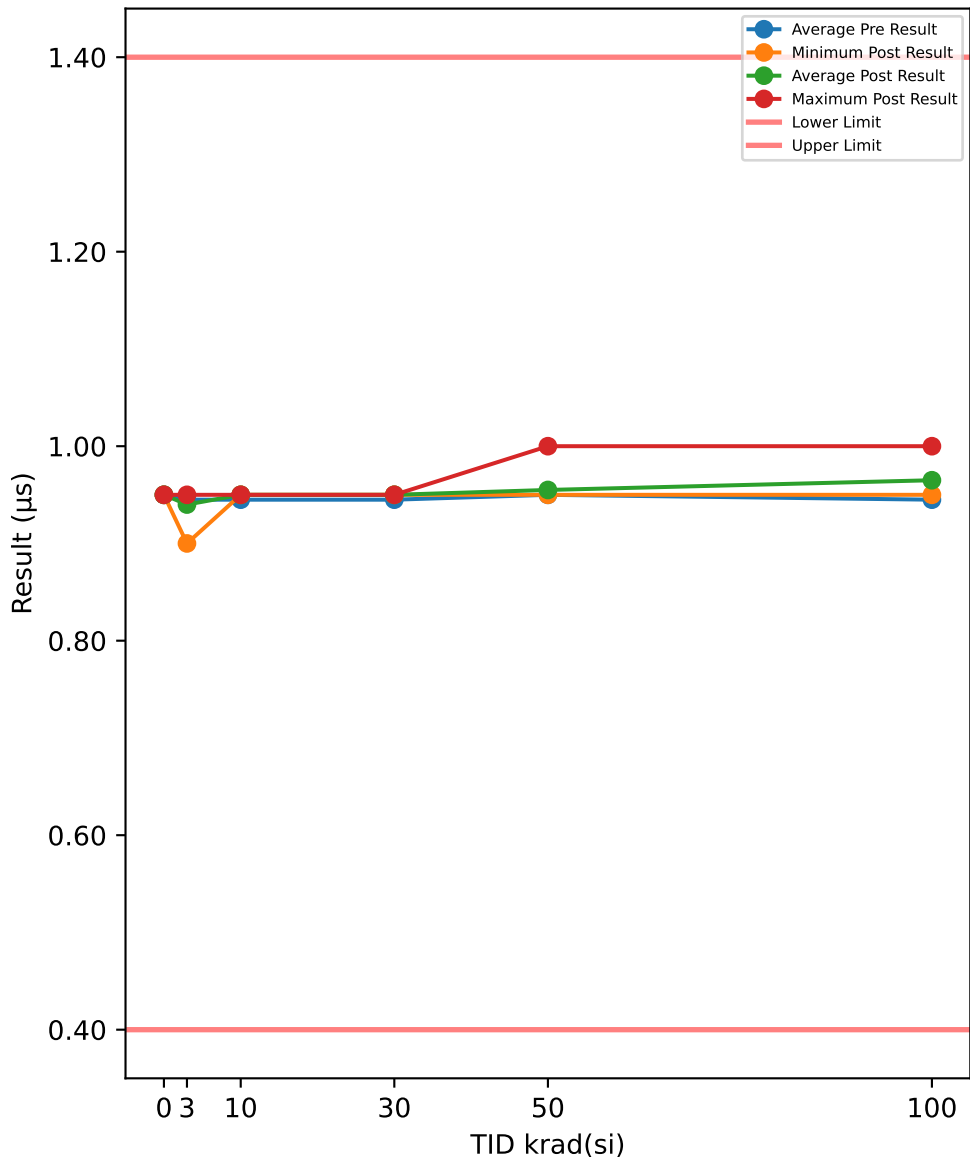
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
390	100	Biased	33.183	32.074	-1.1083
392	100	Biased	33.186	33.166	-0.0201
393	100	Biased	33.186	33.064	-0.1215
394	100	Biased	32.922	32.895	-0.0269
395	100	Biased	33.111	31.732	-1.3789
412	100	Unbiased	33.176	33.143	-0.0327
413	100	Unbiased	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)

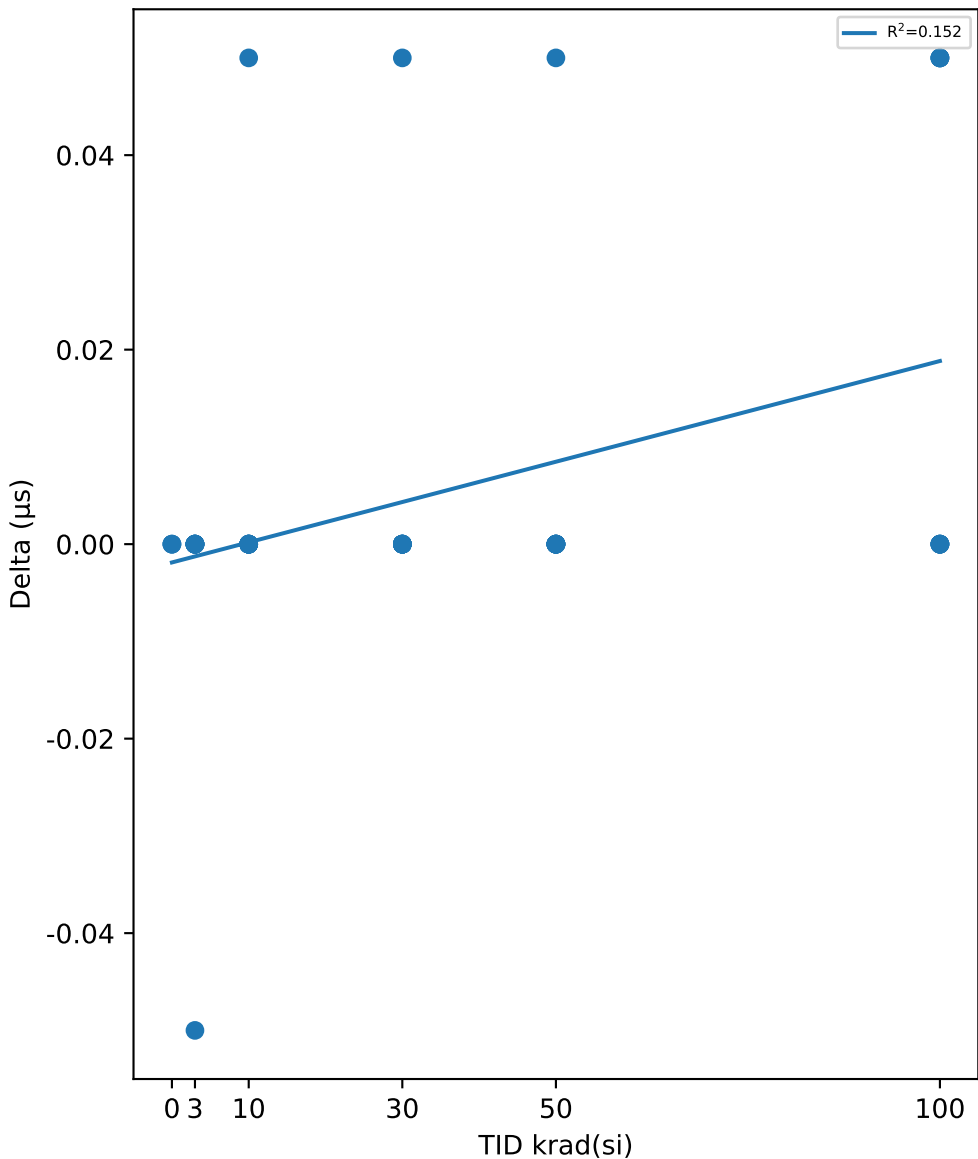
TID vs Result Stats



Test Results (Lower Limit = 0.4, Upper Limit = 1.4 (µs))

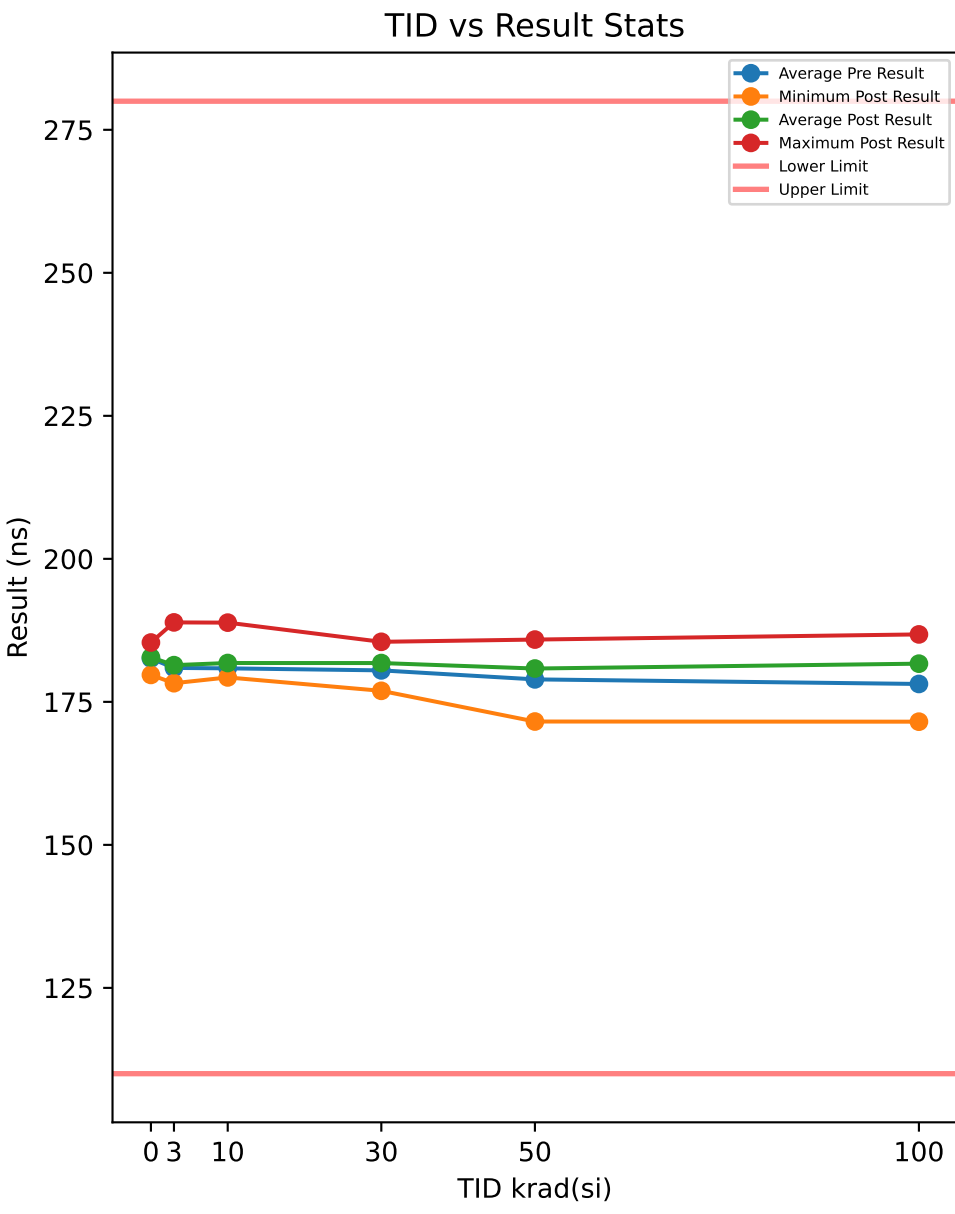
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
390	100	Biased	0.9	0.95	0.05
392	100	Biased	0.95	0.95	0
393	100	Biased	0.95	0.95	0
394	100	Biased	0.95	0.95	0
395	100	Biased	0.95	0.95	0
412	100	Unbiased	0.95	0.95	0
413	100	Unbiased	0.95	1	0.05
414	100	Unbiased	0.95	0.95	0
415	100	Unbiased	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

TID vs Post - Pre Exposure Delta



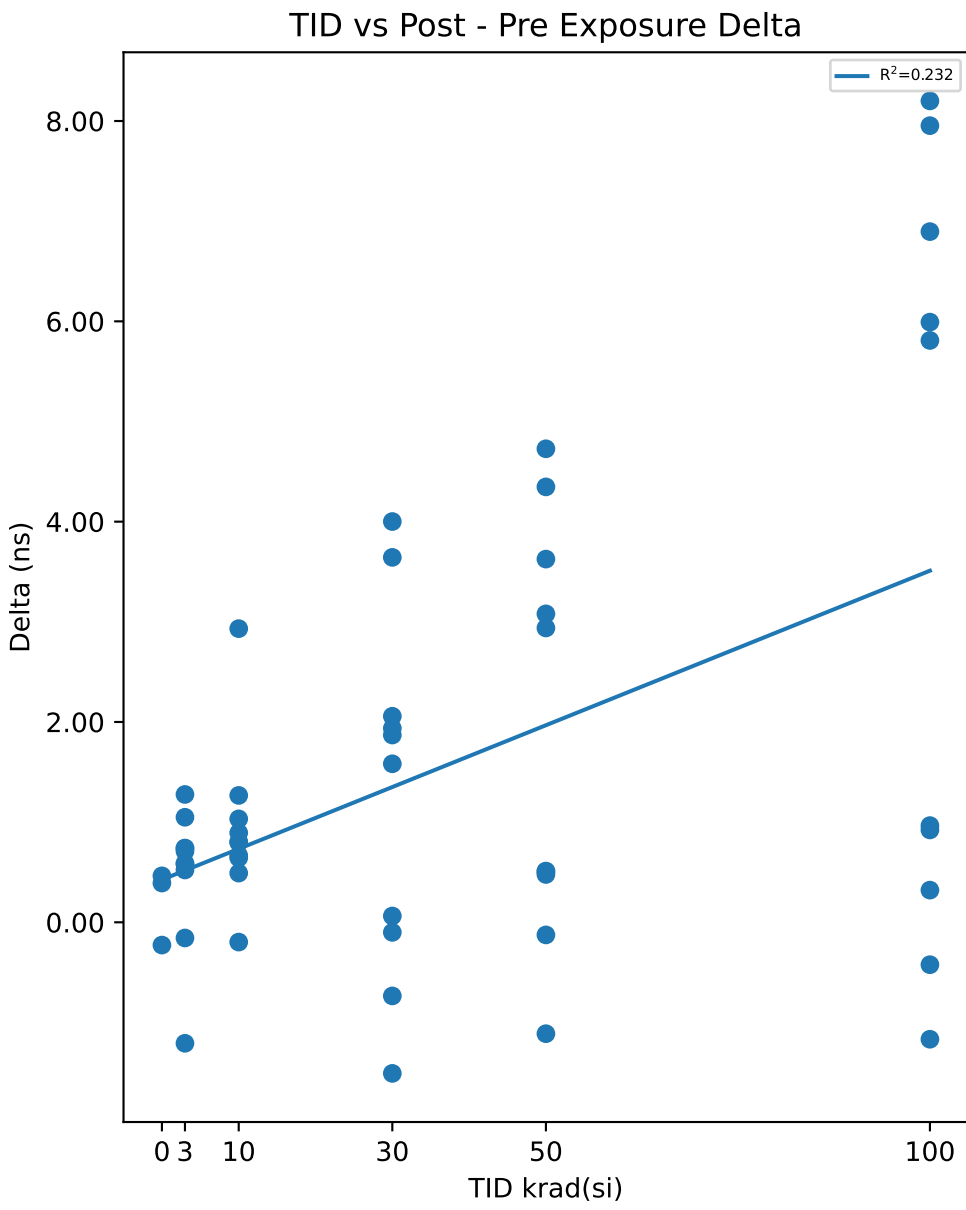
Test Statistics (µs)

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	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



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

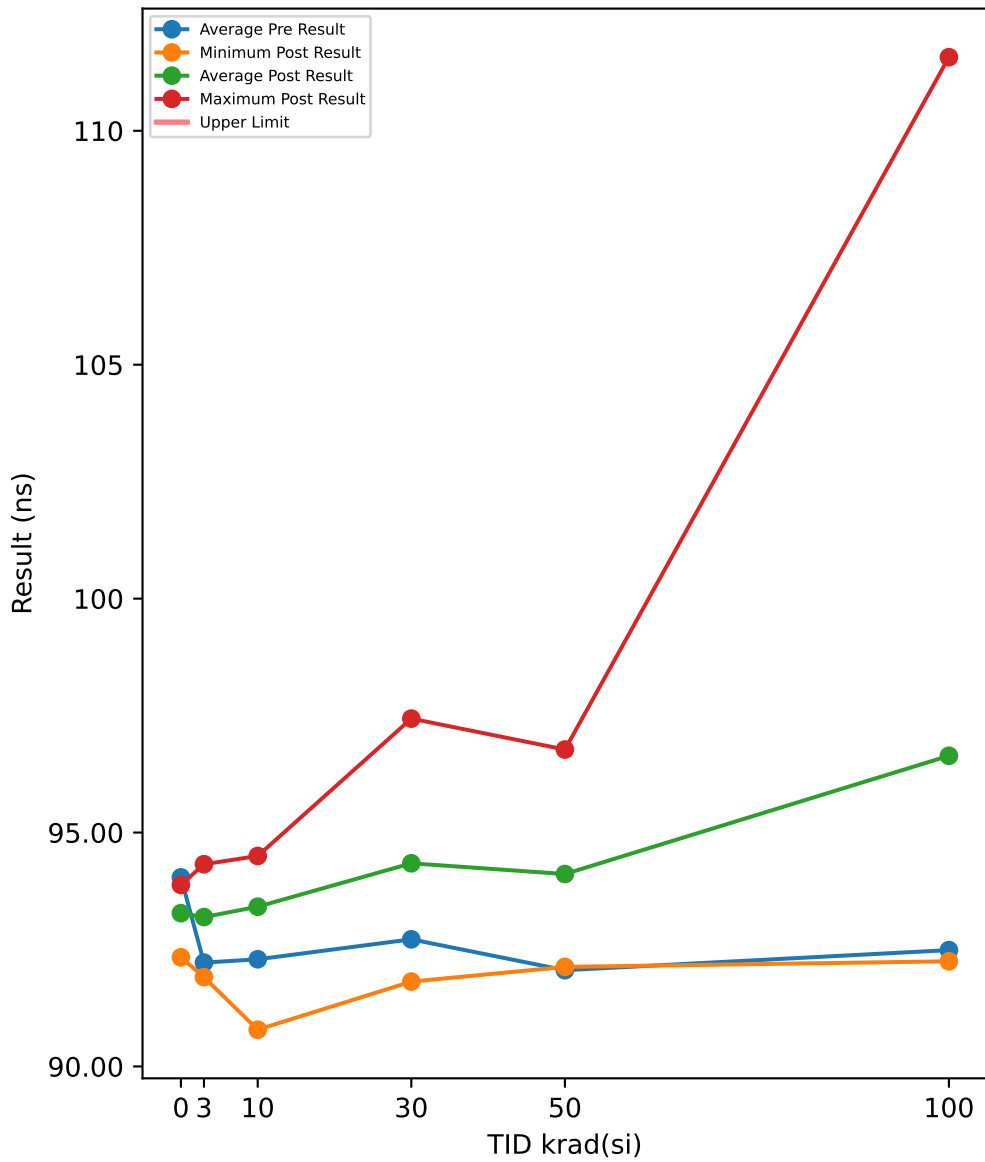


Test Statistics (ns)

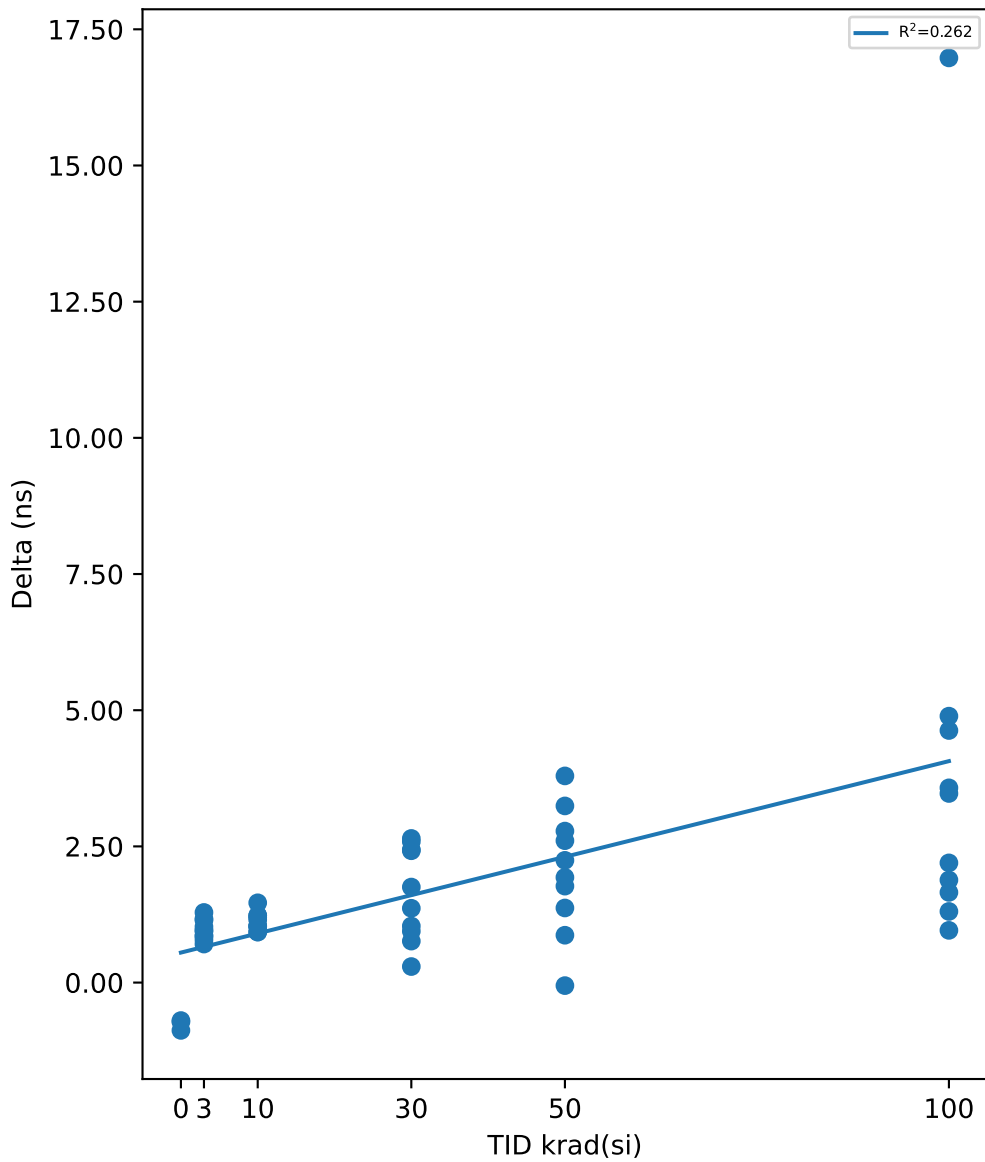
krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	179.32	182.58	185.6	3.1489	179.71	182.79	185.37	2.8654	-0.2273	0.20947	0.4639	0.37997
3	177.68	180.93	188.18	3.0861	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)

TID vs Result Stats



TID vs Post - Pre Exposure Delta



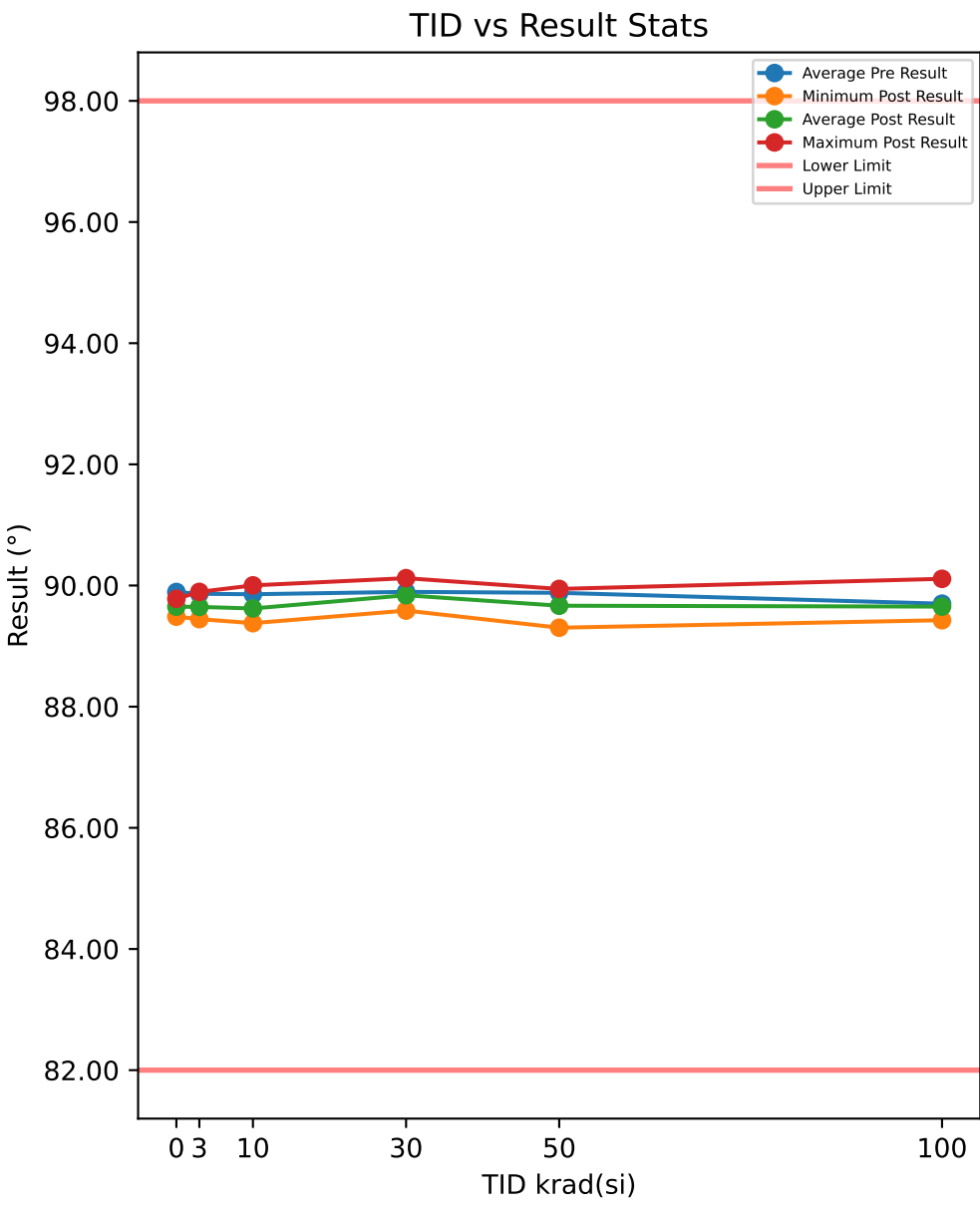
Test Results (No Limits Specified (ns))

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)

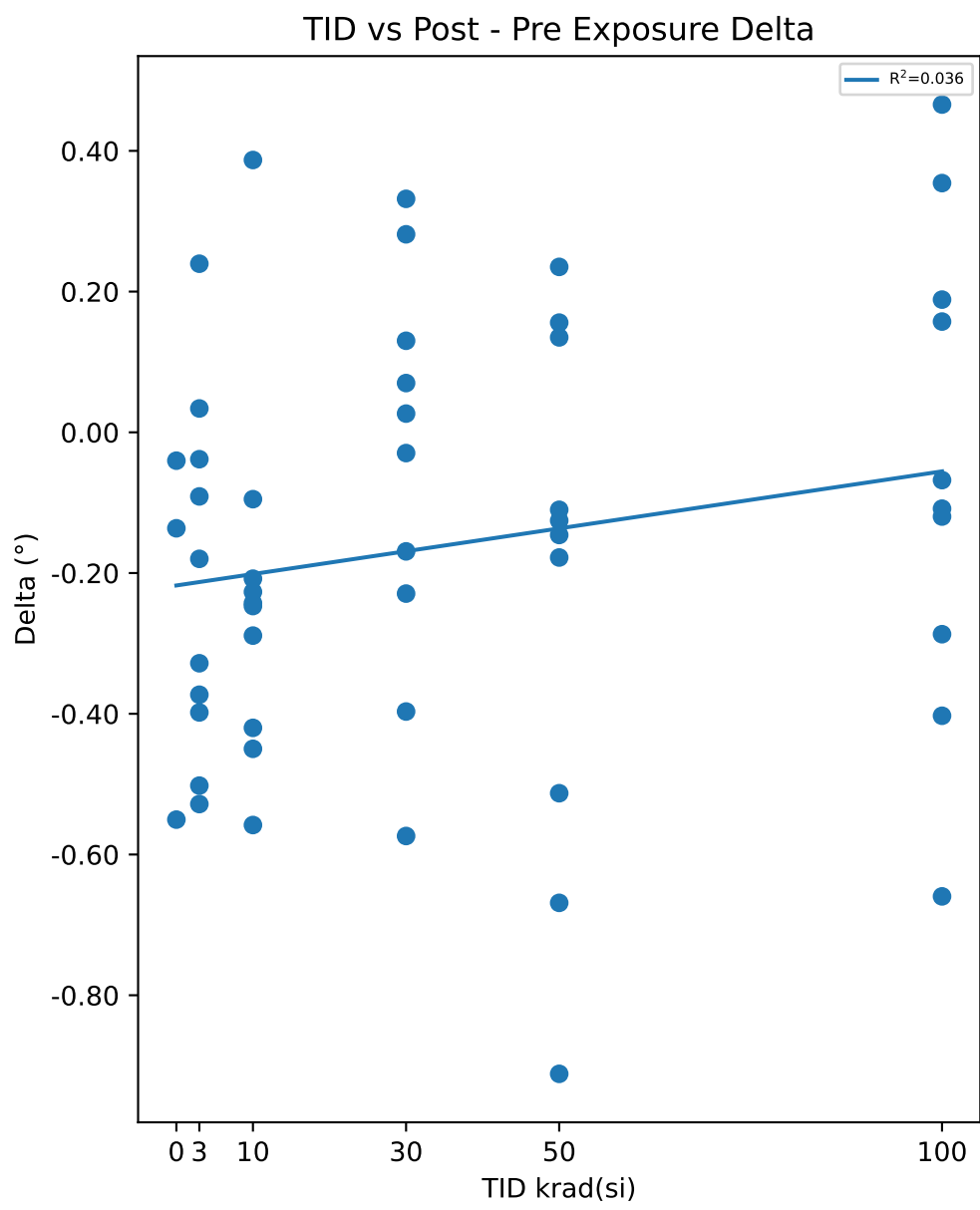
krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	93.211	94.042	94.602	0.73418	92.333	93.277	93.88	0.82759	-0.8778	-0.76563	-0.6971	0.097934
3	90.964	92.219	93.178	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 (°))

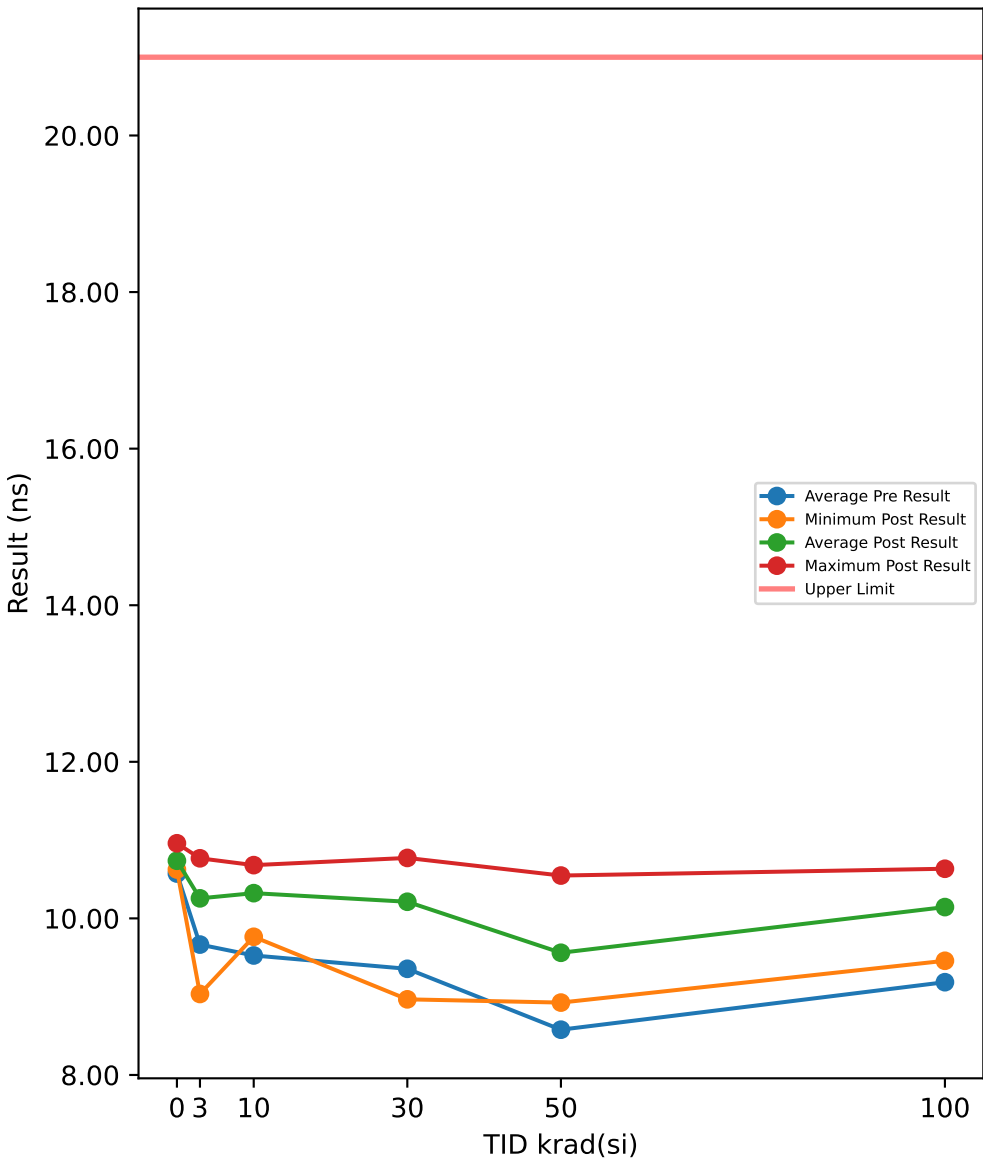
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
390	100	Biased	89.568	89.5	-0.0679
392	100	Biased	89.817	89.698	-0.1197
393	100	Biased	89.29	89.756	0.4658
394	100	Biased	89.756	90.11	0.3542
395	100	Biased	89.739	89.452	-0.2869
412	100	Unbiased	89.961	89.558	-0.4028
413	100	Unbiased	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

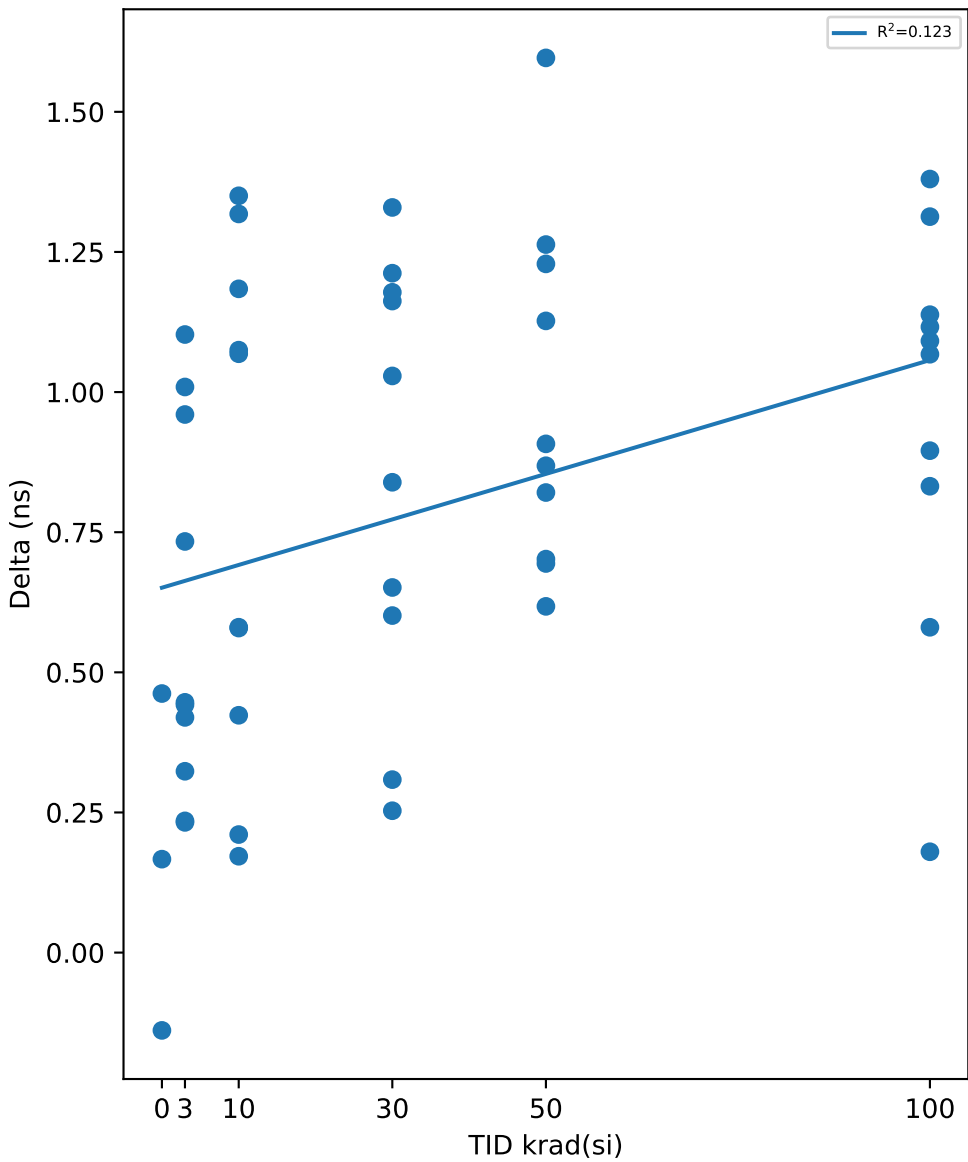
TID vs Result Stats



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

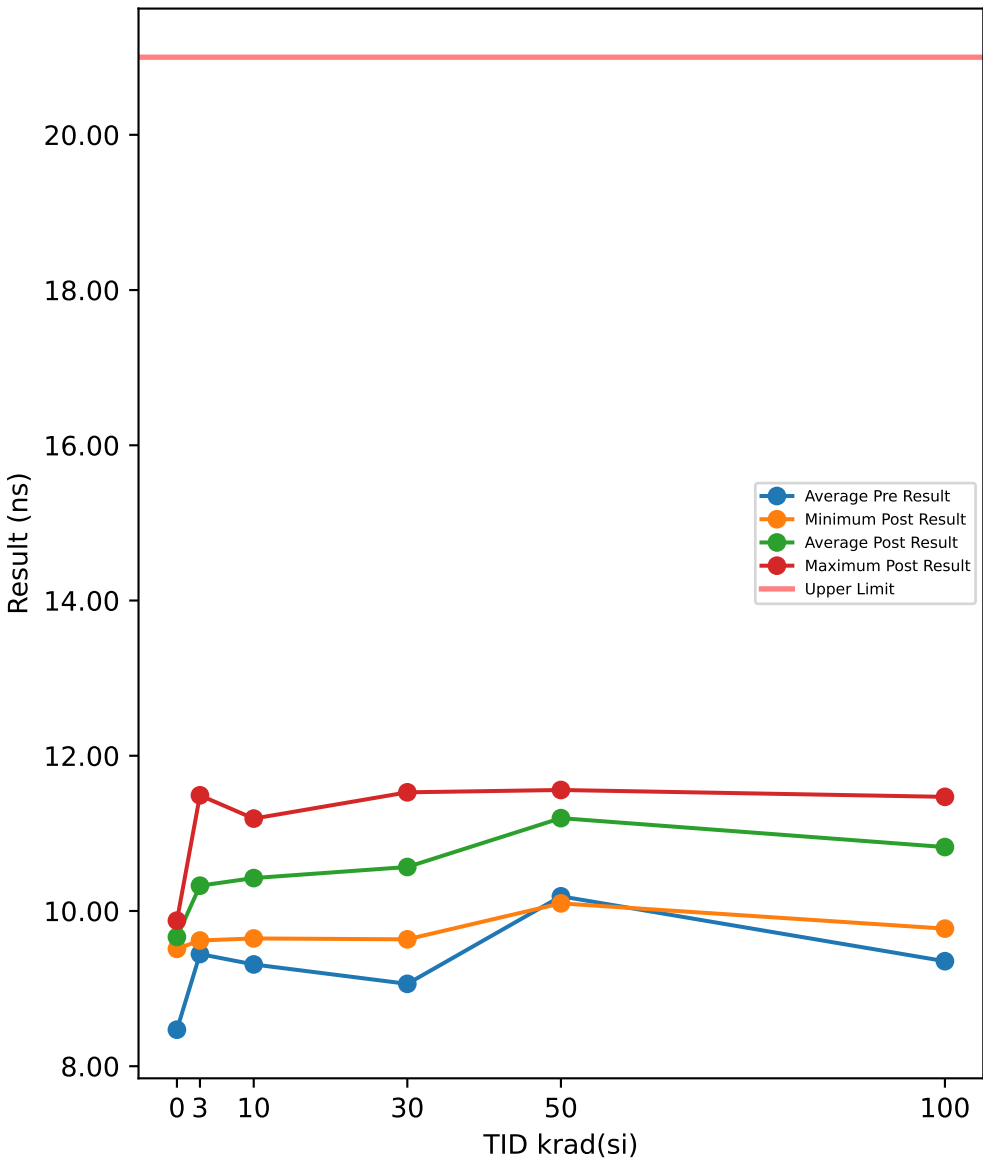
TID vs Post - Pre Exposure Delta



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

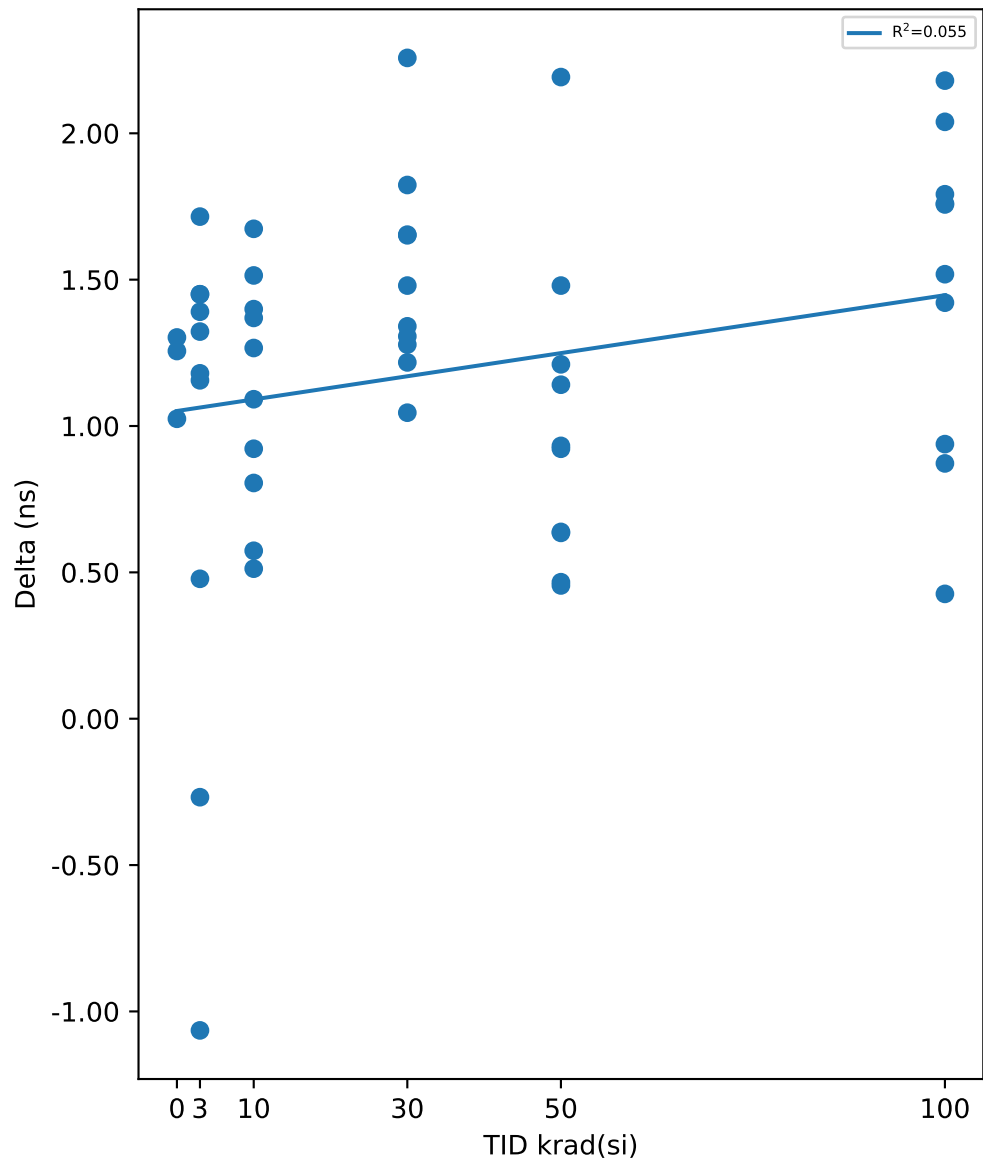
TID vs Result Stats



Test Results (Upper Limit = 21.0 (ns))

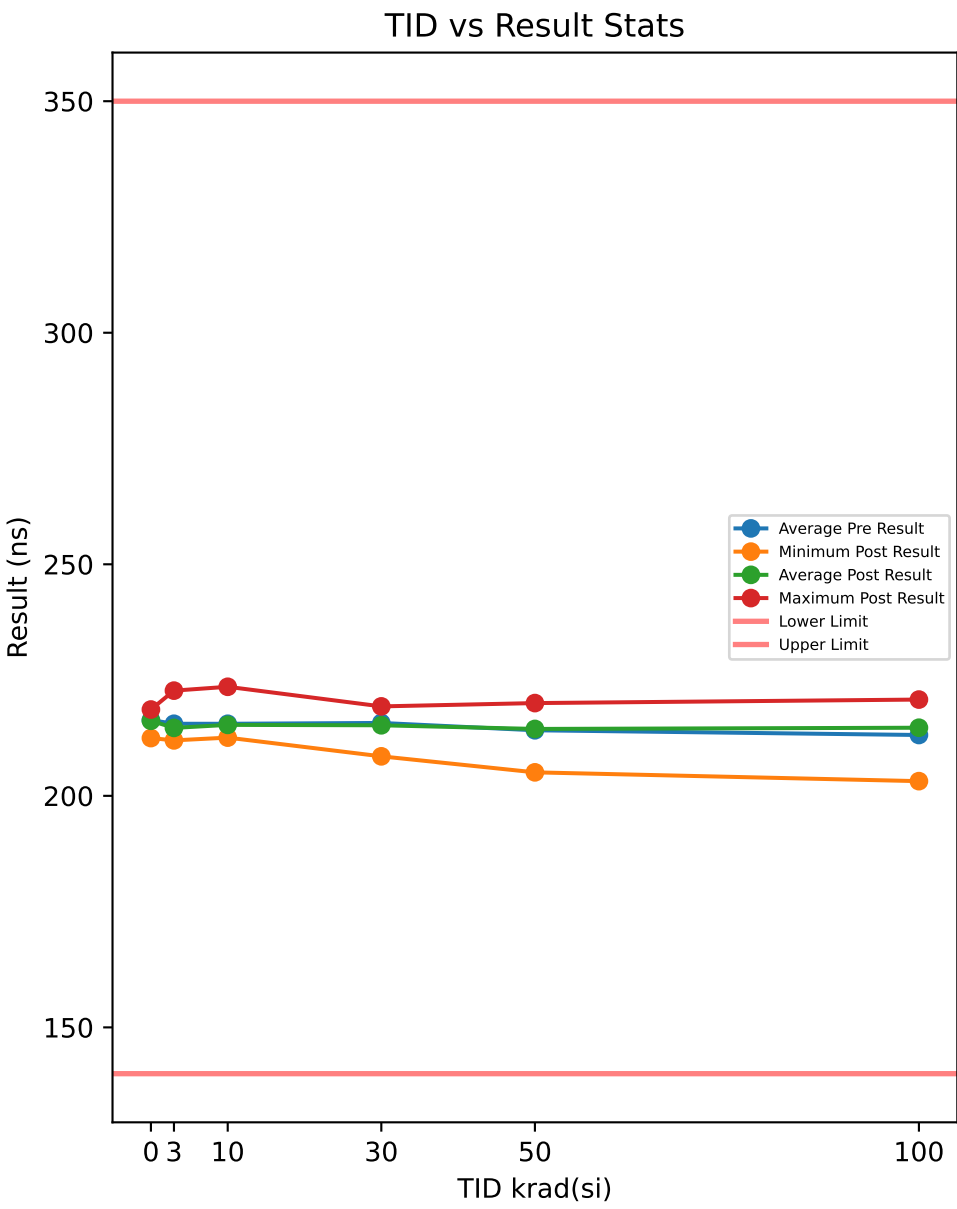
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
390	100	Biased	8.3513	9.7726	1.4213
392	100	Biased	9.1005	10.619	1.5186
393	100	Biased	9.386	11.146	1.7599
394	100	Biased	8.9046	10.696	1.7918
395	100	Biased	10.327	11.199	0.8722
412	100	Unbiased	8.7869	10.544	1.7569
413	100	Unbiased	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

TID vs Post - Pre Exposure Delta



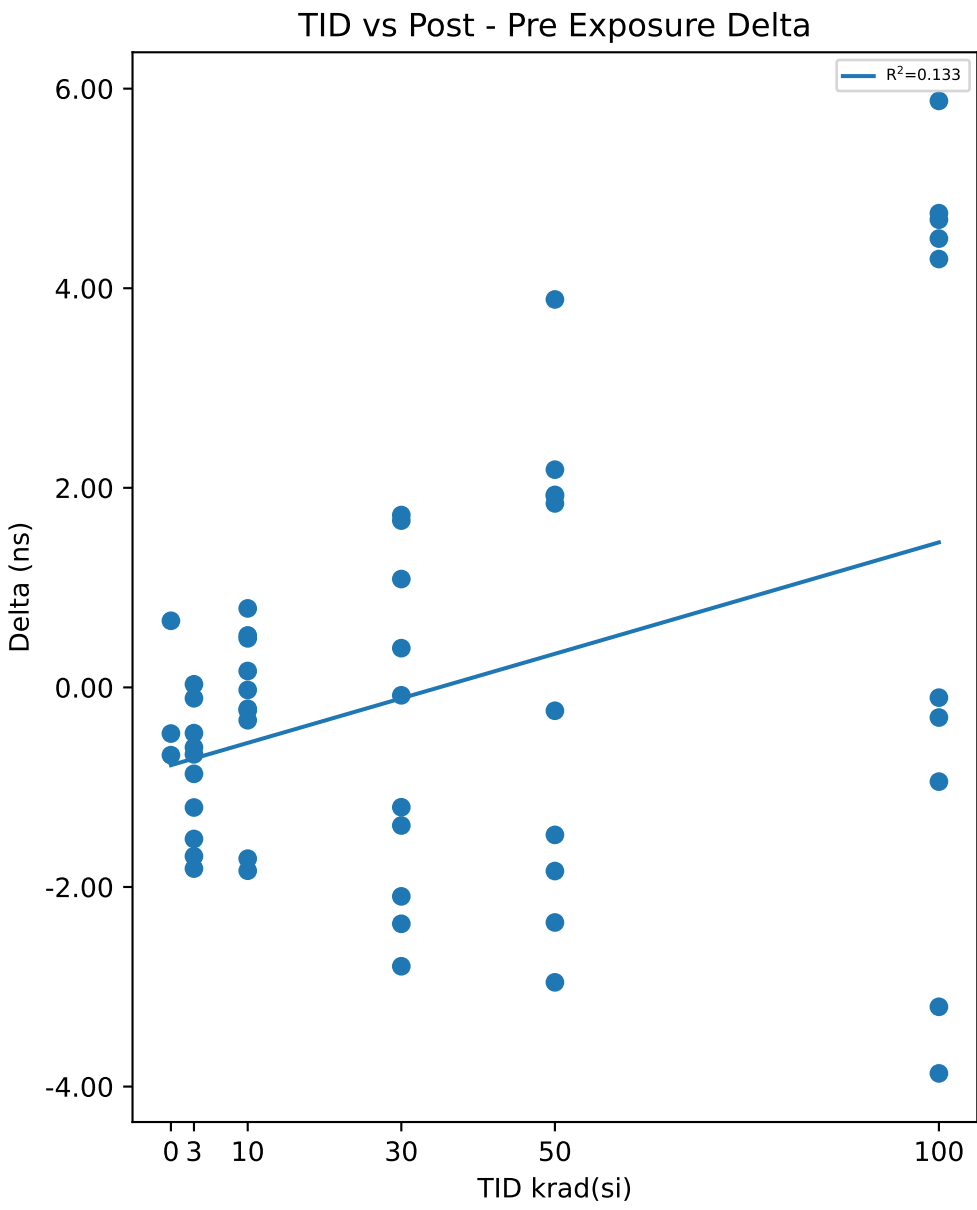
Test Statistics (ns)

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



Test Results (Lower Limit = 140.0, Upper Limit = 350.0 (ns))

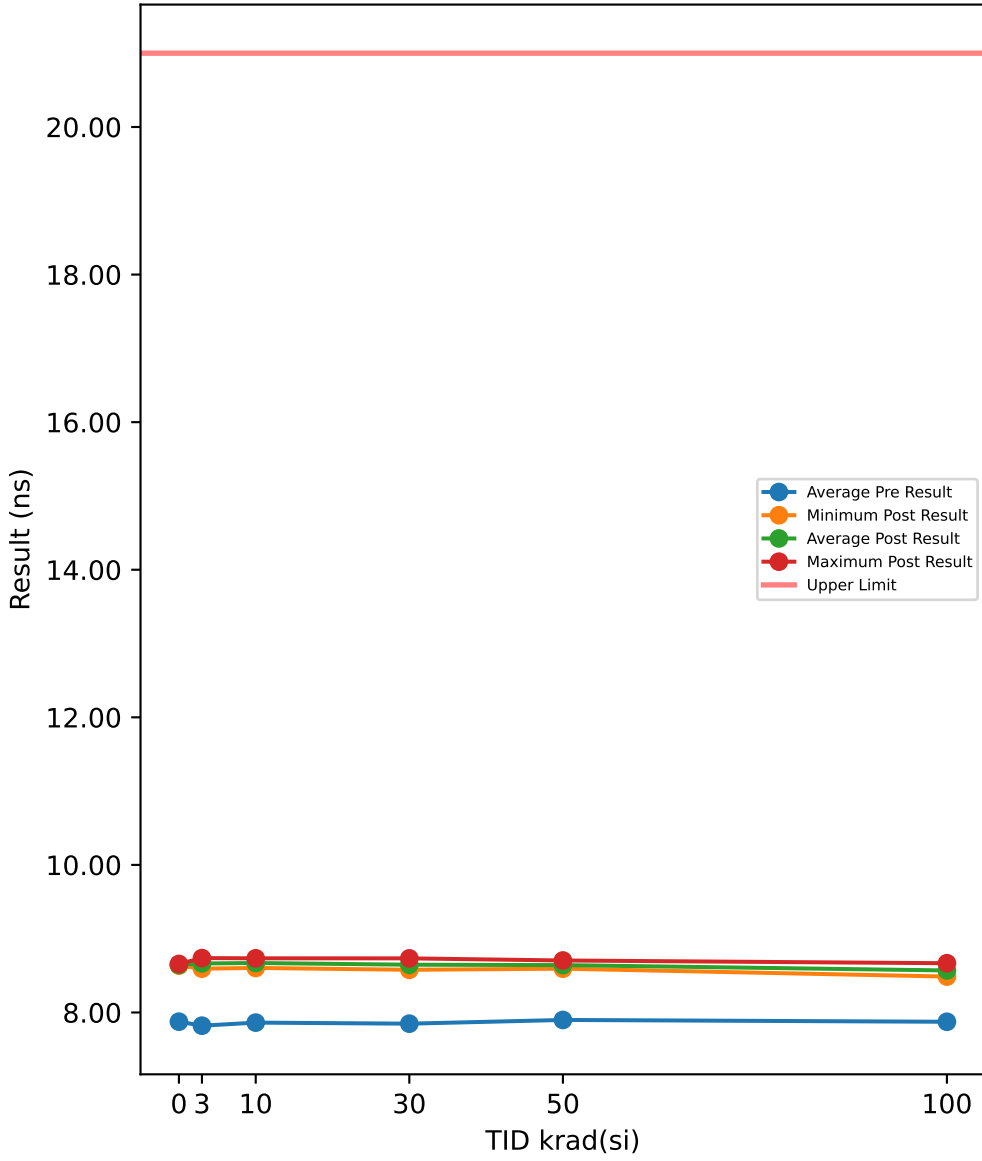
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
390	100	Biased	210.86	210.56	-0.3019
392	100	Biased	212.97	217.73	4.7522
393	100	Biased	208.65	213.34	4.6869
394	100	Biased	211.53	215.82	4.2926
395	100	Biased	215.57	220.06	4.4975
412	100	Unbiased	215.7	214.76	-0.9441
413	100	Unbiased	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

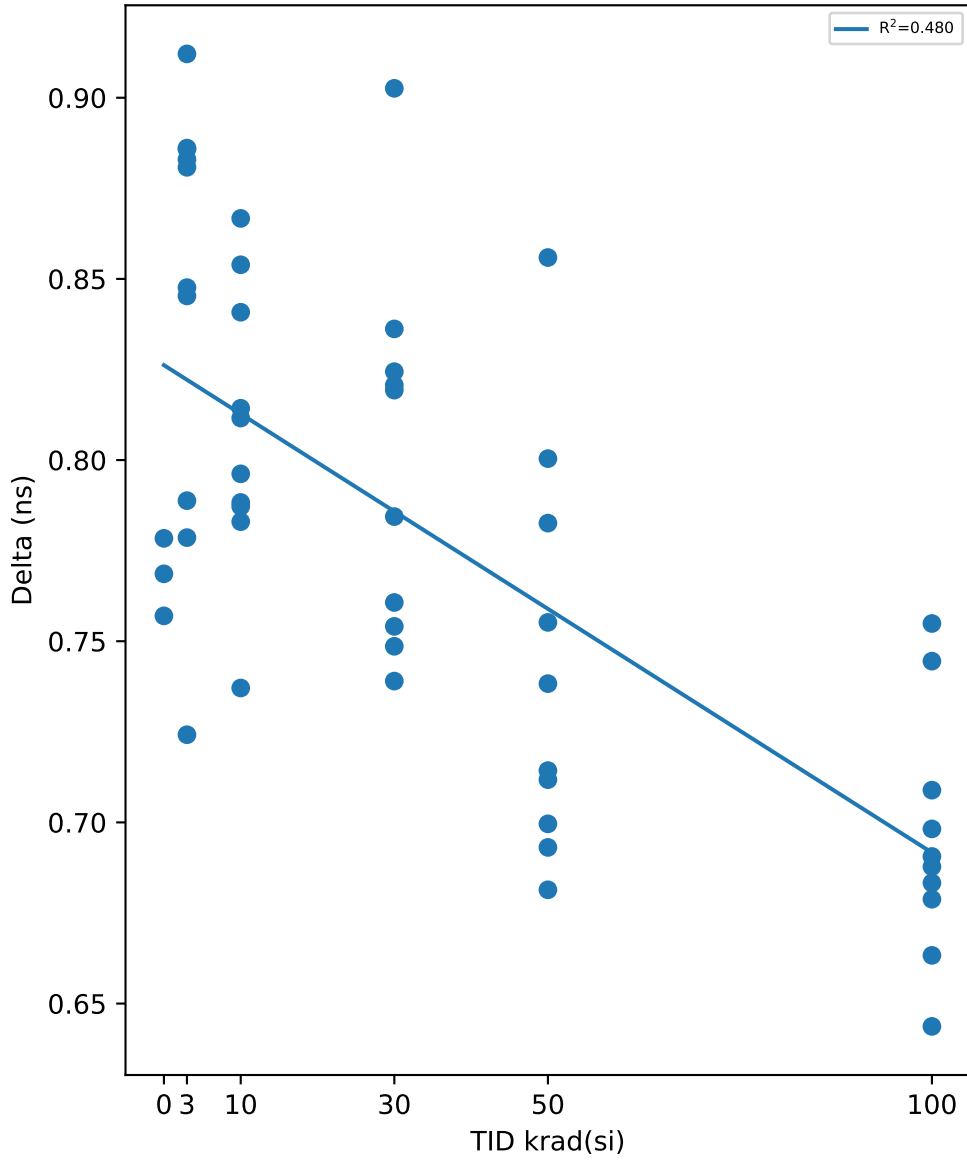
TID vs Result Stats



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

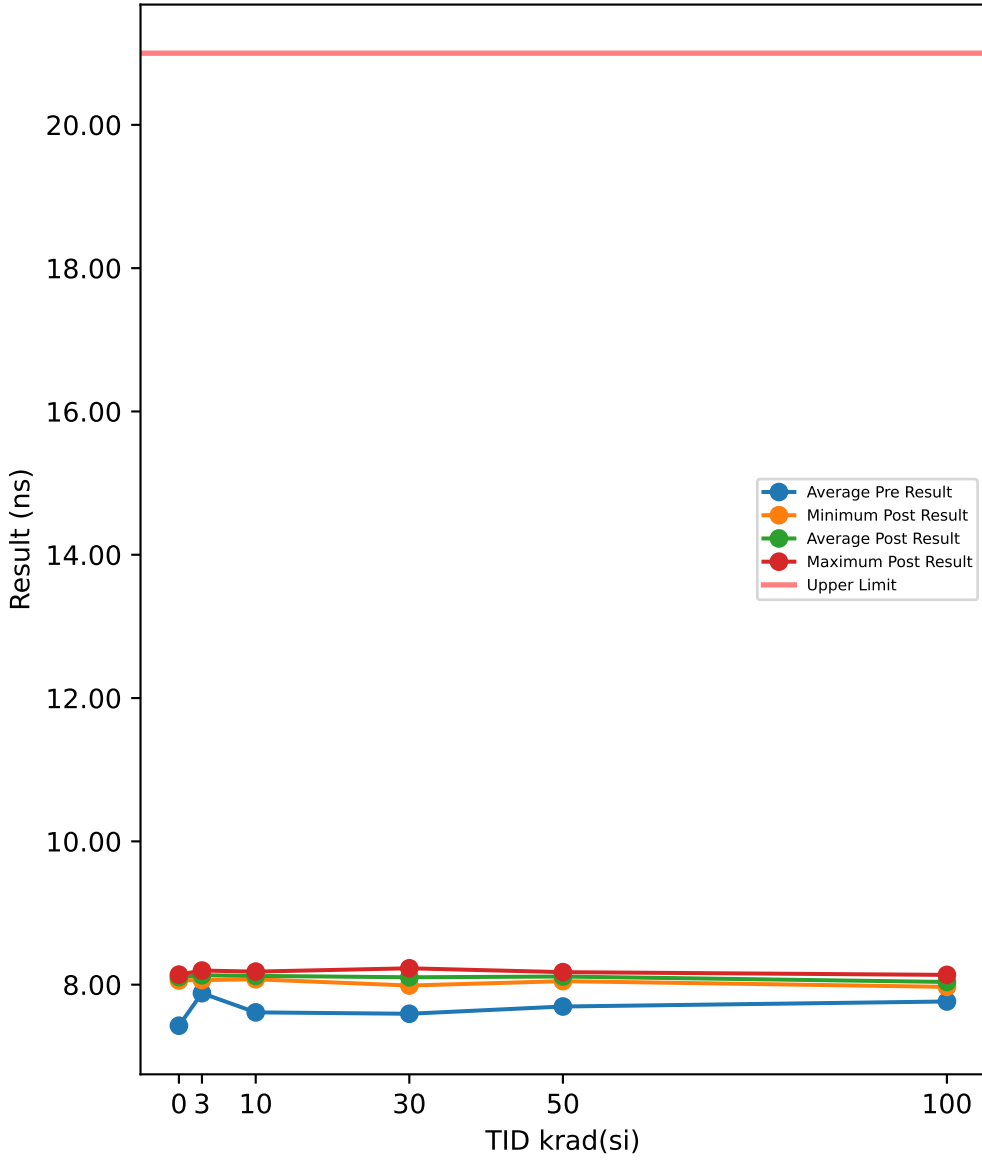
TID vs Post - Pre Exposure Delta



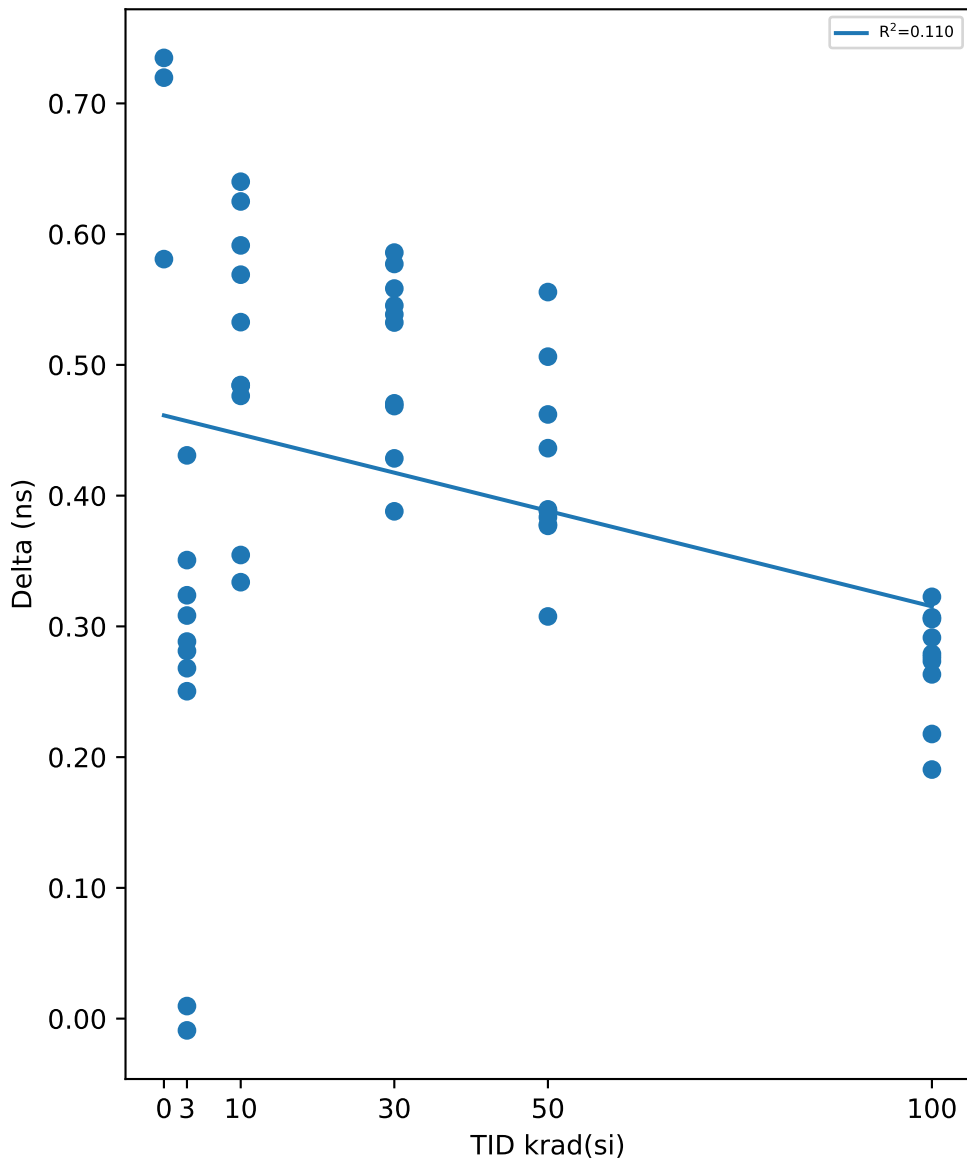
Test Statistics (ns)

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

TID vs Result Stats



TID vs Post - Pre Exposure Delta



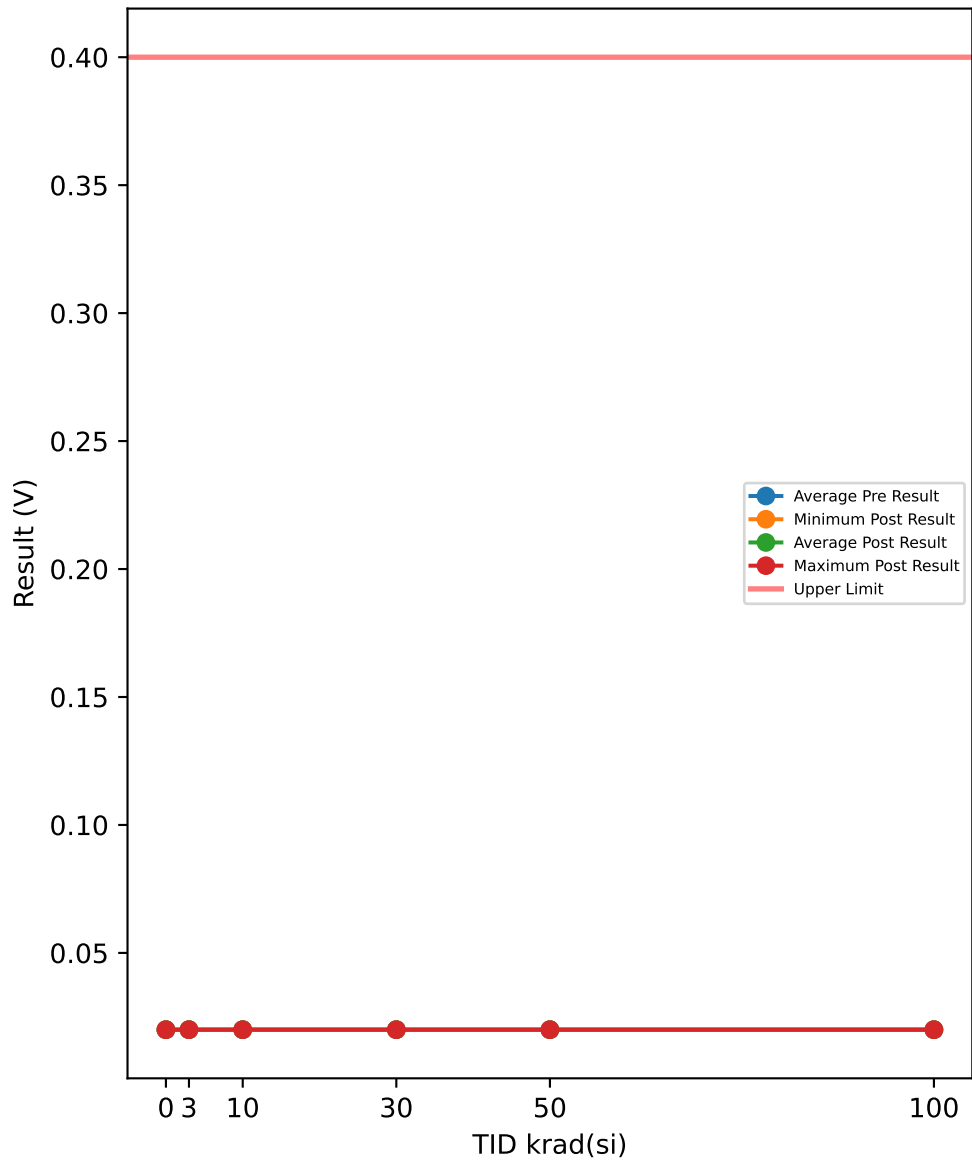
Test Results (Upper Limit = 21.0 (ns))

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

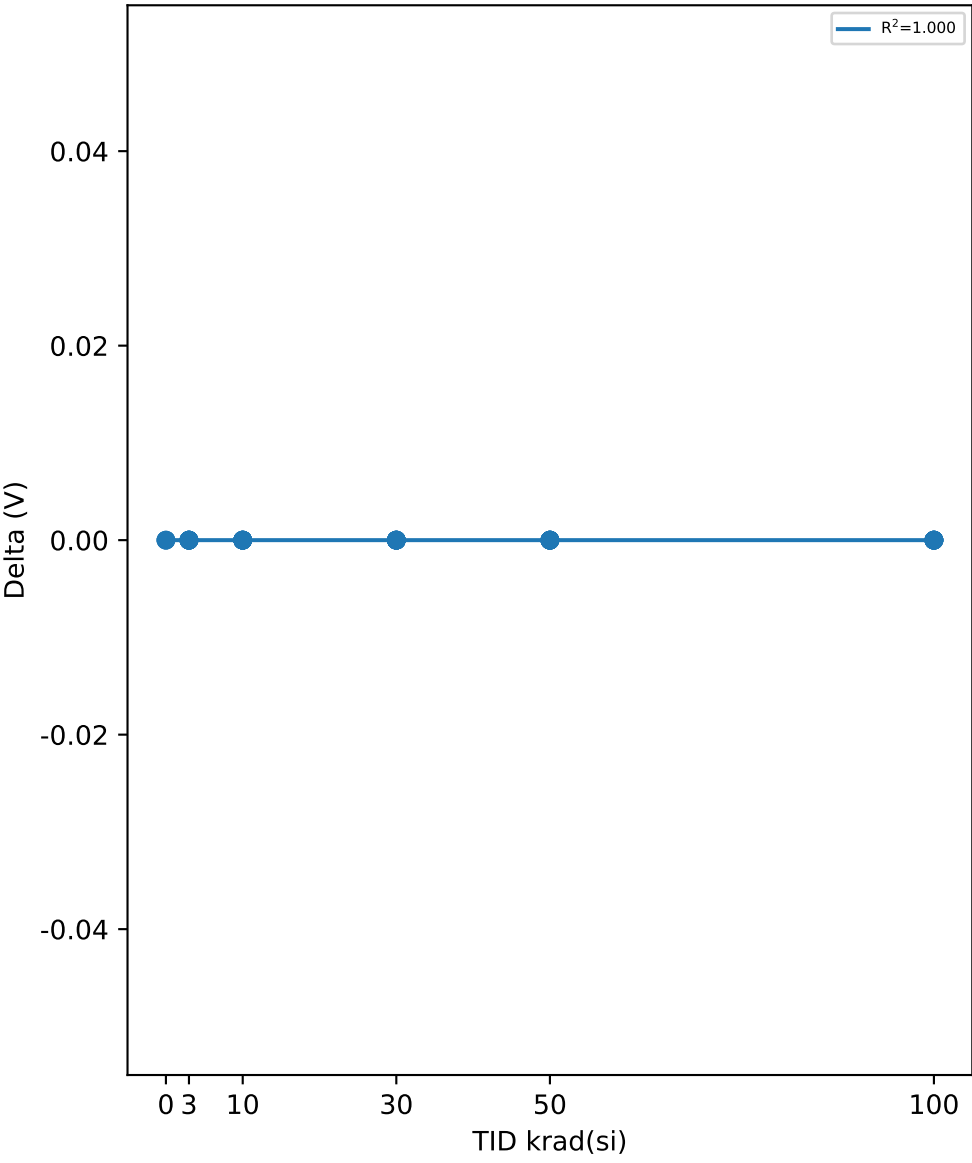
TID vs Result Stats



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

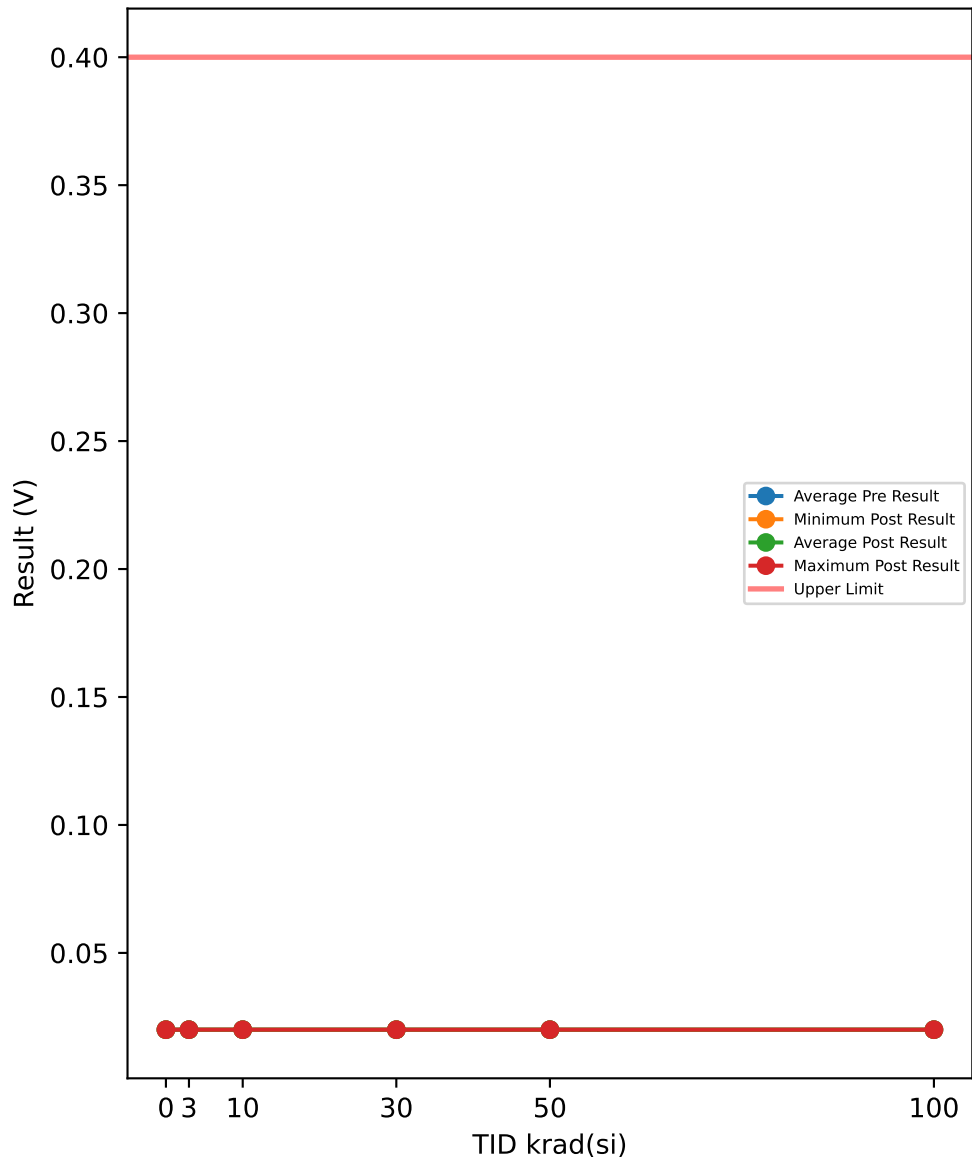
TID vs Post - Pre Exposure Delta



Test Statistics (V)

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	0.02	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

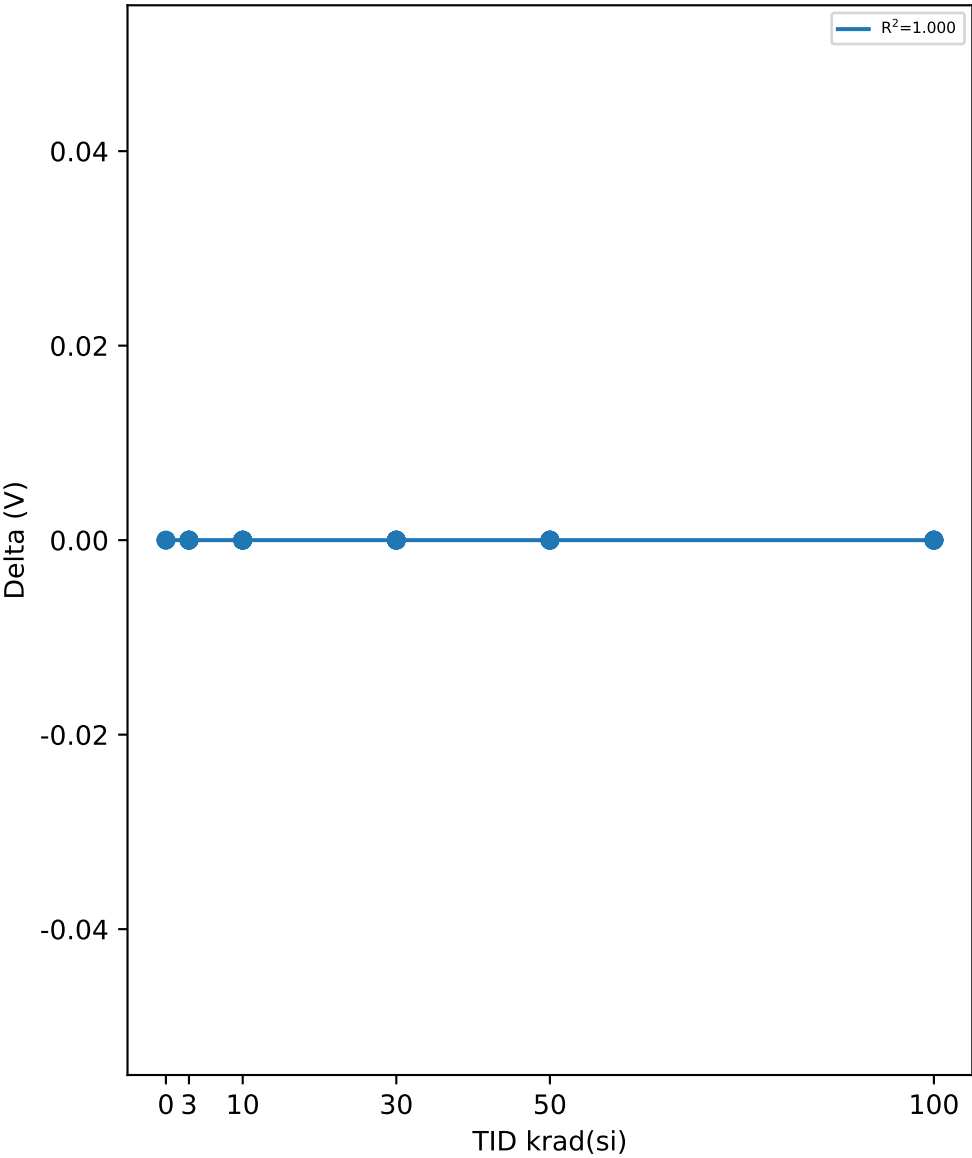
TID vs Result Stats



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

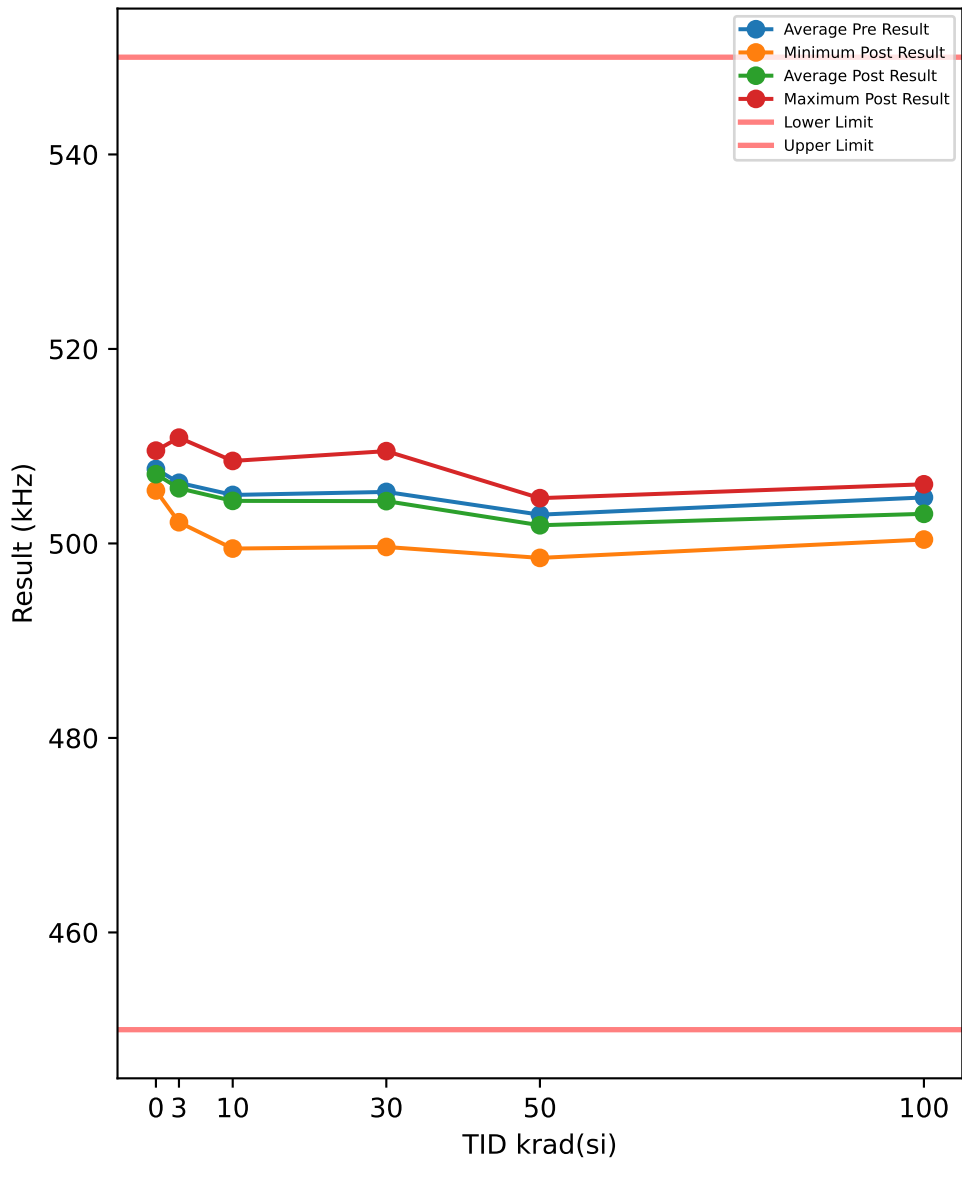
TID vs Post - Pre Exposure Delta



Test Statistics (V)

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	0.02	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

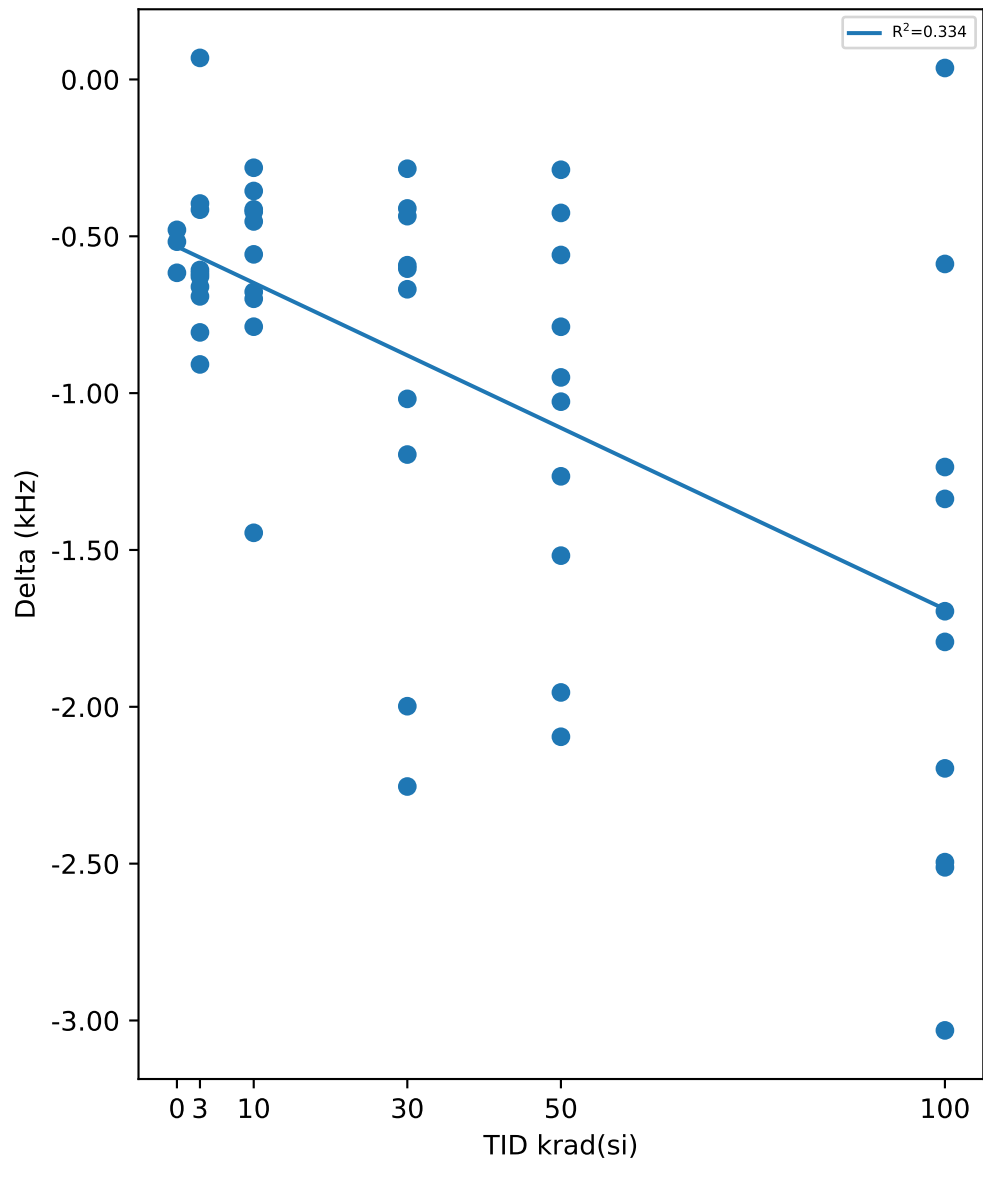
TID vs Result Stats



Test Results (Lower Limit = 450.0, Upper Limit = 550.0 (kHz))

Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
390	100	Biased	508.59	506.08	-2.5118
392	100	Biased	503.14	502.55	-0.5882
393	100	Biased	505.44	502.94	-2.4952
394	100	Biased	505.55	504.21	-1.3372
395	100	Biased	504.82	503.58	-1.2356
412	100	Unbiased	503.88	502.19	-1.6953
413	100	Unbiased	507.65	505.45	-2.1963
414	100	Unbiased	502.19	500.4	-1.7931
415	100	Unbiased	500.44	500.48	0.0365
416	100	Unbiased	505.61	502.58	-3.0316
417	50	Biased	502.46	500.51	-1.9542
418	50	Biased	500.96	499.44	-1.5181
419	50	Biased	498.8	498.51	-0.2879
421	50	Biased	503.35	502.08	-1.2652
422	50	Biased	505.45	504.66	-0.7884
423	50	Unbiased	504.75	502.65	-2.0955
424	50	Unbiased	504.71	503.68	-1.0272
425	50	Unbiased	502.13	501.57	-0.5596
426	50	Unbiased	501.92	501.5	-0.4255
427	50	Unbiased	505.04	504.1	-0.9499
463	0	Corr	510.02	509.54	-0.4795
464	0	Corr	506.99	506.37	-0.6164
465	0	Corr	505.96	505.45	-0.5172
466	30	Biased	503.09	501.09	-1.9981
469	30	Biased	509.43	509.02	-0.4112
470	30	Biased	505.1	504.43	-0.6689
472	30	Biased	503.02	502.42	-0.6032
474	30	Biased	502.19	501.76	-0.4358
475	30	Unbiased	505	504.4	-0.5922
477	30	Unbiased	501.89	499.64	-2.2541
478	30	Unbiased	506.72	506.43	-0.2846
479	30	Unbiased	510.51	509.49	-1.0183
480	30	Unbiased	506.04	504.84	-1.1958
481	10	Biased	502.82	502.4	-0.4219
482	10	Biased	508.45	507.77	-0.677
483	10	Biased	501.21	500.76	-0.4527
484	10	Biased	509.04	508.48	-0.5576
485	10	Biased	506.1	505.68	-0.4142
487	10	Unbiased	505.55	505.2	-0.3556
488	10	Unbiased	504.86	504.58	-0.2815
489	10	Unbiased	503.7	502.91	-0.7882
490	10	Unbiased	500.17	499.47	-0.6992
491	10	Unbiased	507.97	506.53	-1.4453
492	3	Biased	507.01	506.6	-0.4152
493	3	Biased	506.61	505.99	-0.6284
494	3	Biased	507.65	506.99	-0.6609
495	3	Biased	503.09	502.18	-0.9085
496	3	Biased	509.01	508.4	-0.6074
497	3	Unbiased	505.57	505.18	-0.3955
498	3	Unbiased	503.93	503.12	-0.8064
499	3	Unbiased	504.43	503.81	-0.6184
500	3	Unbiased	504.27	503.58	-0.6916
502	3	Unbiased	510.81	510.88	0.0687

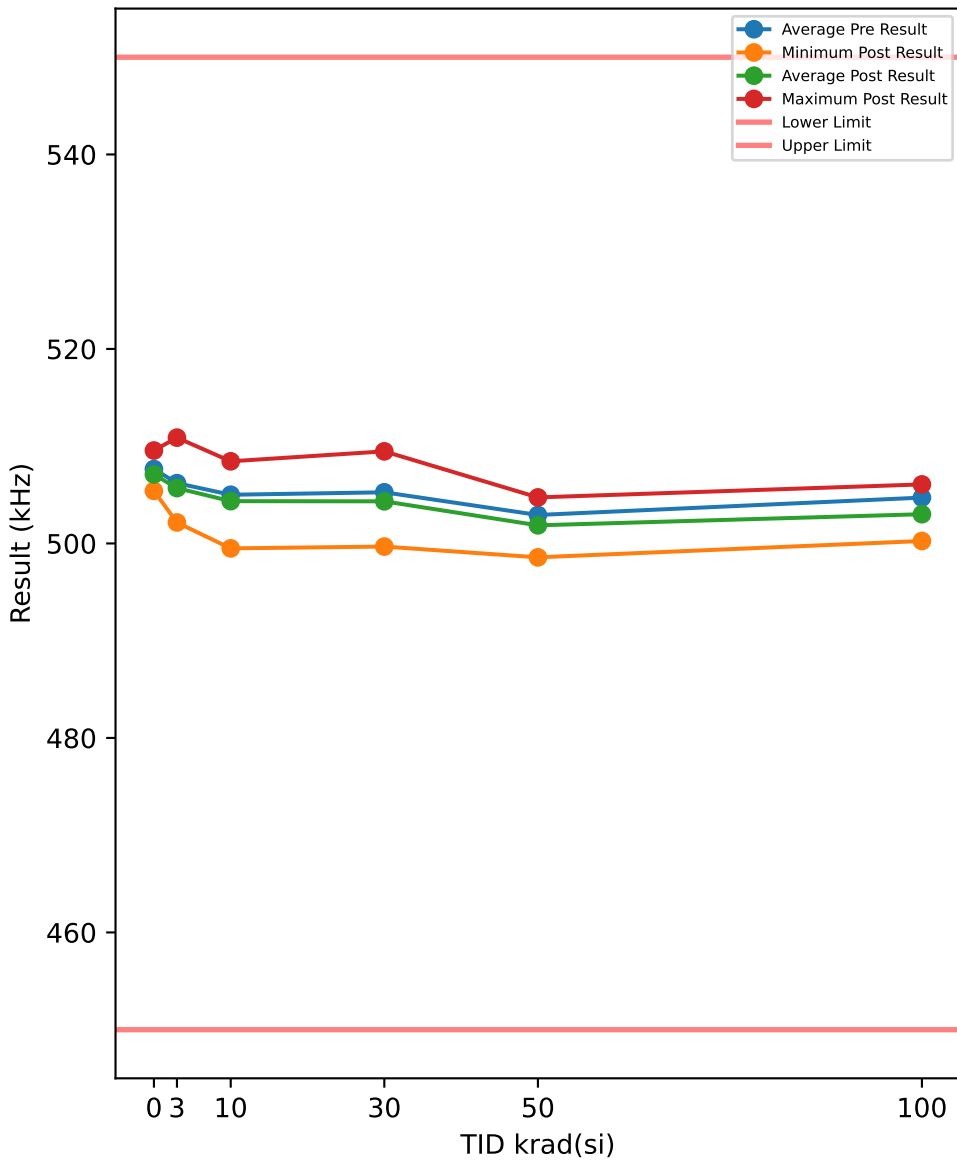
TID vs Post - Pre Exposure Delta



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	505.96	507.66	510.02	2.1114	505.45	507.12	509.54	2.1491	-0.6164	-0.5377	-0.4795	0.070715
3	503.09	506.24	510.81	2.4536	502.18	505.67	510.88	2.668	-0.9085	-0.56636	0.0687	0.27139
10	500.17	504.99	509.04	3.0309	499.47	504.38	508.48	2.9556	-1.4453	-0.60932	-0.2815	0.33595
30	501.89	505.3	510.51	2.9484	499.64	504.35	509.49	3.268	-2.2541	-0.94622	-0.2846	0.68223
50	498.8	502.96	505.45	2.1144	498.51	501.87	504.66	1.9971	-2.0955	-1.0871	-0.2879	0.61937
100	500.44	504.73	508.59	2.4371	500.4	503.05	506.08	1.8693	-3.0316	-1.6848	0.0365	0.93785

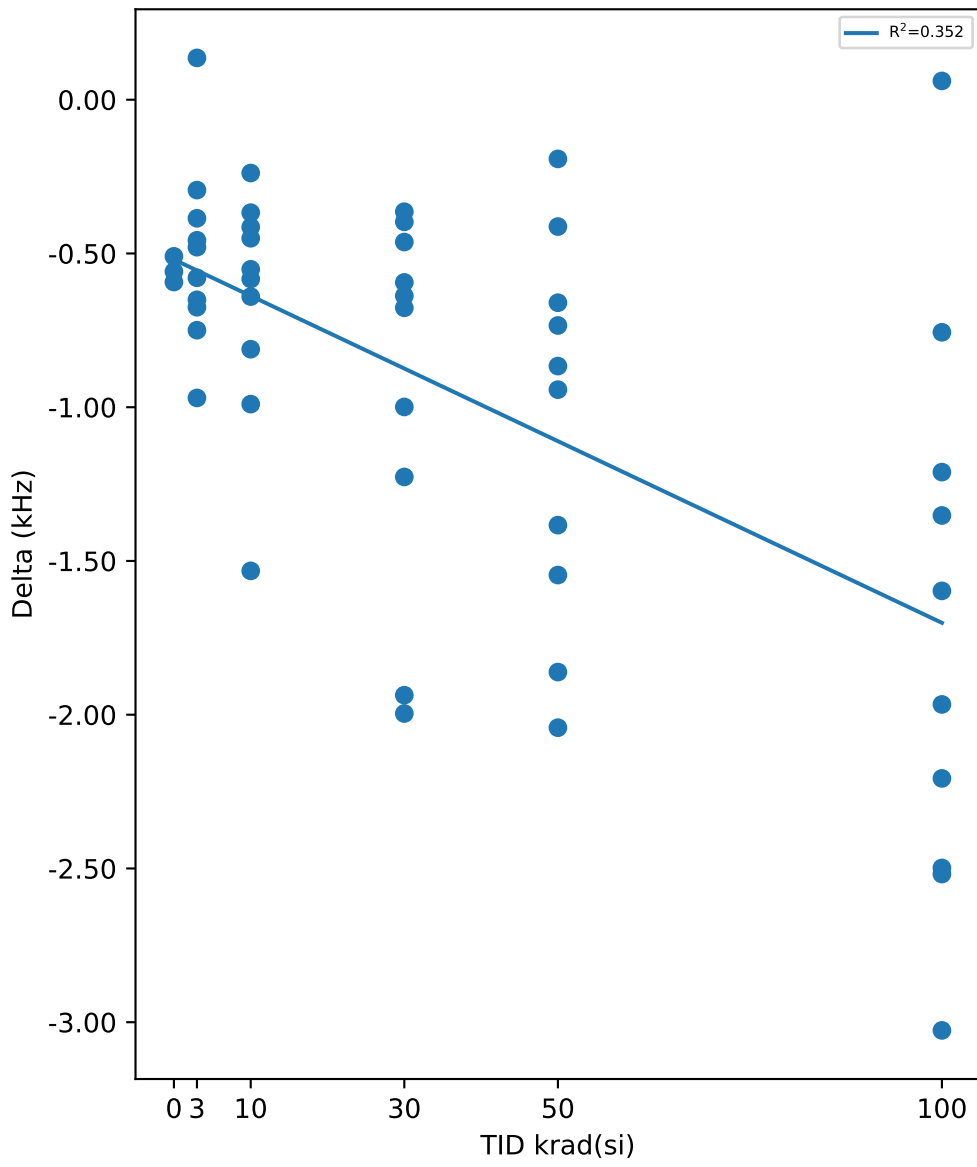
TID vs Result Stats



Test Results (Lower Limit = 450.0, Upper Limit = 550.0 (kHz))

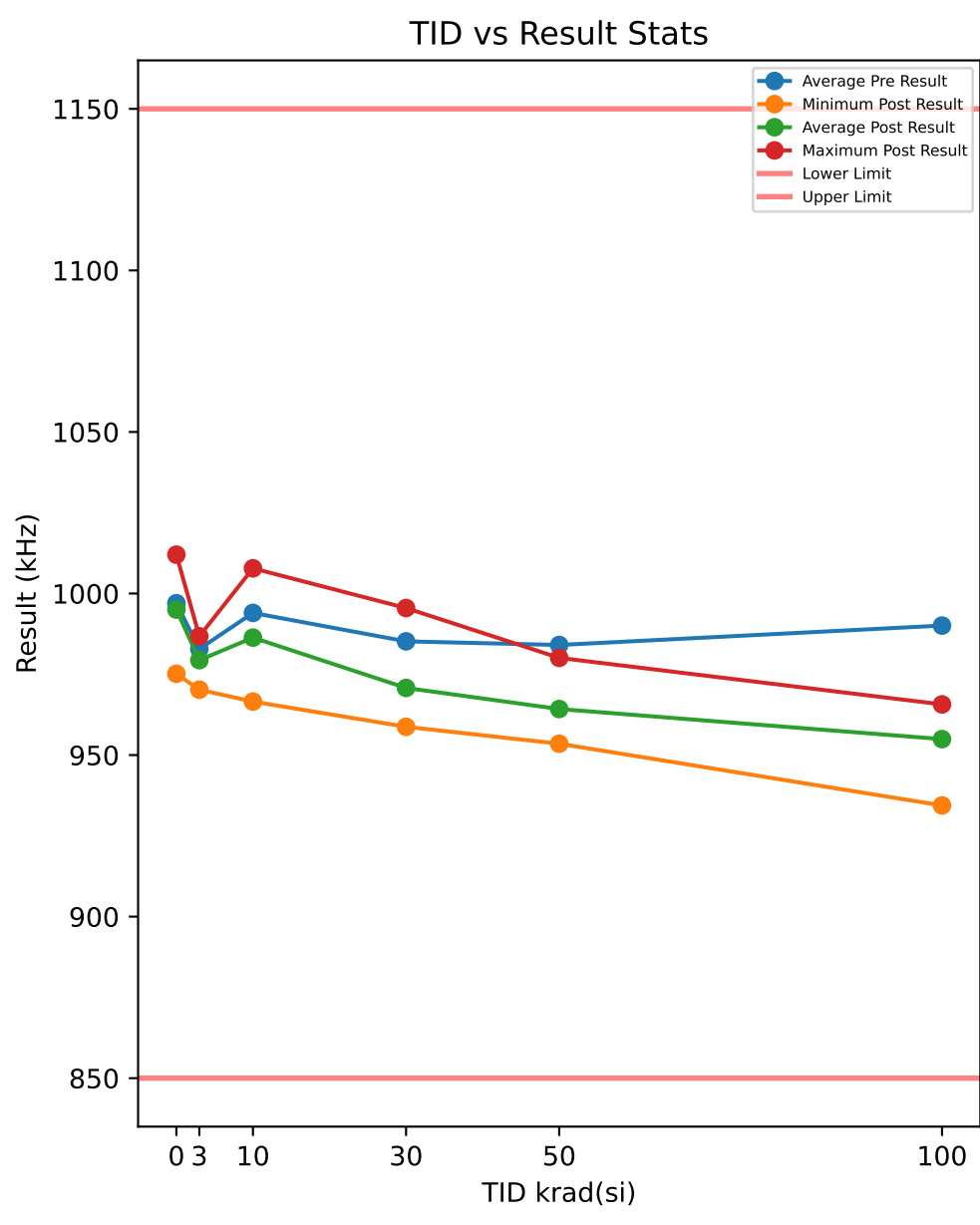
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
390	100	Biased	508.57	506.07	-2.4983
392	100	Biased	503.25	502.5	-0.7563
393	100	Biased	505.47	502.95	-2.5182
394	100	Biased	505.57	504.21	-1.352
395	100	Biased	504.74	503.53	-1.211
412	100	Unbiased	503.68	502.09	-1.5973
413	100	Unbiased	507.62	505.41	-2.2071
414	100	Unbiased	502.22	500.25	-1.9665
415	100	Unbiased	500.39	500.45	0.0611
416	100	Unbiased	505.63	502.61	-3.0266
417	50	Biased	502.33	500.47	-1.8613
418	50	Biased	500.94	499.39	-1.5458
419	50	Biased	498.76	498.57	-0.1925
421	50	Biased	503.55	502.16	-1.3835
422	50	Biased	505.47	504.73	-0.7342
423	50	Unbiased	504.63	502.59	-2.0422
424	50	Unbiased	504.58	503.64	-0.9429
425	50	Unbiased	502.16	501.5	-0.6602
426	50	Unbiased	501.93	501.52	-0.4125
427	50	Unbiased	504.92	504.05	-0.8662
463	0	Corr	510.06	509.55	-0.5093
464	0	Corr	506.89	506.33	-0.5587
465	0	Corr	505.99	505.4	-0.5929
466	30	Biased	503.02	501.08	-1.9365
469	30	Biased	509.52	509.06	-0.4628
470	30	Biased	505.03	504.35	-0.6767
472	30	Biased	502.99	502.4	-0.5941
474	30	Biased	502.14	501.74	-0.3972
475	30	Unbiased	504.91	504.27	-0.6379
477	30	Unbiased	501.68	499.68	-1.9961
478	30	Unbiased	506.81	506.44	-0.3642
479	30	Unbiased	510.47	509.47	-0.9991
480	30	Unbiased	506.05	504.82	-1.2268
481	10	Biased	502.74	502.37	-0.3673
482	10	Biased	508.49	507.68	-0.8114
483	10	Biased	501.19	500.73	-0.4505
484	10	Biased	509.03	508.45	-0.583
485	10	Biased	506.19	505.64	-0.5515
487	10	Unbiased	505.62	505.21	-0.4141
488	10	Unbiased	504.76	504.52	-0.2384
489	10	Unbiased	503.87	502.88	-0.9899
490	10	Unbiased	500.13	499.49	-0.6402
491	10	Unbiased	508.05	506.52	-1.5322
492	3	Biased	507.07	506.59	-0.4796
493	3	Biased	506.56	505.98	-0.5792
494	3	Biased	507.71	507.03	-0.6748
495	3	Biased	503.13	502.16	-0.9698
496	3	Biased	508.87	508.41	-0.4571
497	3	Unbiased	505.55	505.26	-0.2939
498	3	Unbiased	503.88	503.13	-0.7495
499	3	Unbiased	504.29	503.9	-0.3856
500	3	Unbiased	504.22	503.57	-0.6507
502	3	Unbiased	510.74	510.88	0.136

TID vs Post - Pre Exposure Delta



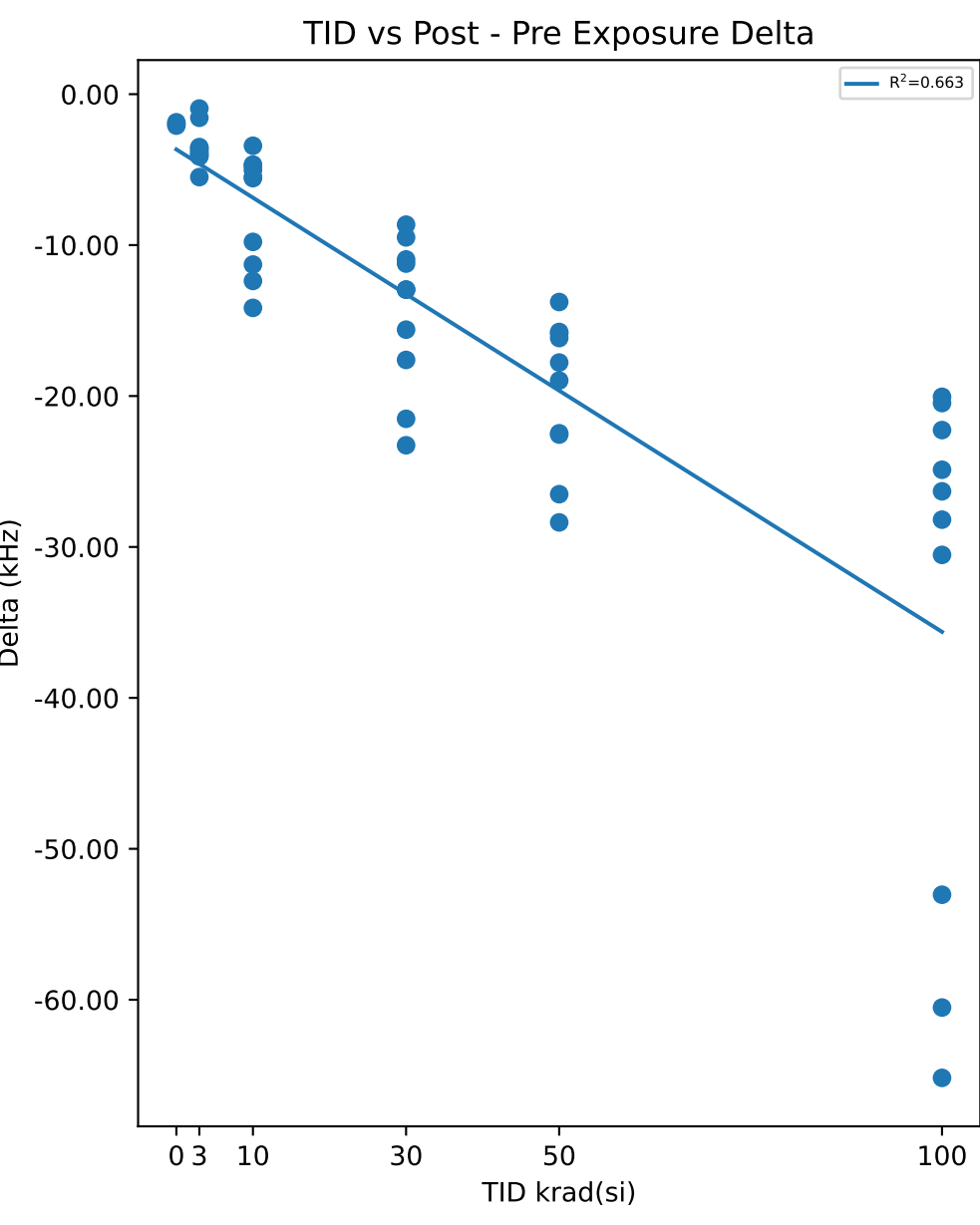
Test Statistics (kHz)

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	505.99	507.65	510.06	2.1391	505.4	507.09	509.55	2.1802	-0.5929	-0.55363	-0.5093	0.04203
3	503.13	506.2	510.74	2.4434	502.16	505.69	510.88	2.6652	-0.9698	-0.51042	0.136	0.29884
10	500.13	505.01	509.03	3.0597	499.49	504.35	508.45	2.9395	-1.5322	-0.65785	-0.2384	0.37687
30	501.68	505.26	510.47	3.0052	499.68	504.33	509.47	3.2683	-1.9961	-0.92914	-0.3642	0.60801
50	498.76	502.93	505.47	2.0998	498.57	501.86	504.73	1.9983	-2.0422	-1.0641	-0.1925	0.61791
100	500.39	504.71	508.57	2.4395	500.25	503.01	506.07	1.8941	-3.0266	-1.7072	0.0611	0.92838



Test Results (Lower Limit = 850.0, Upper Limit = 1150.0 (kHz))

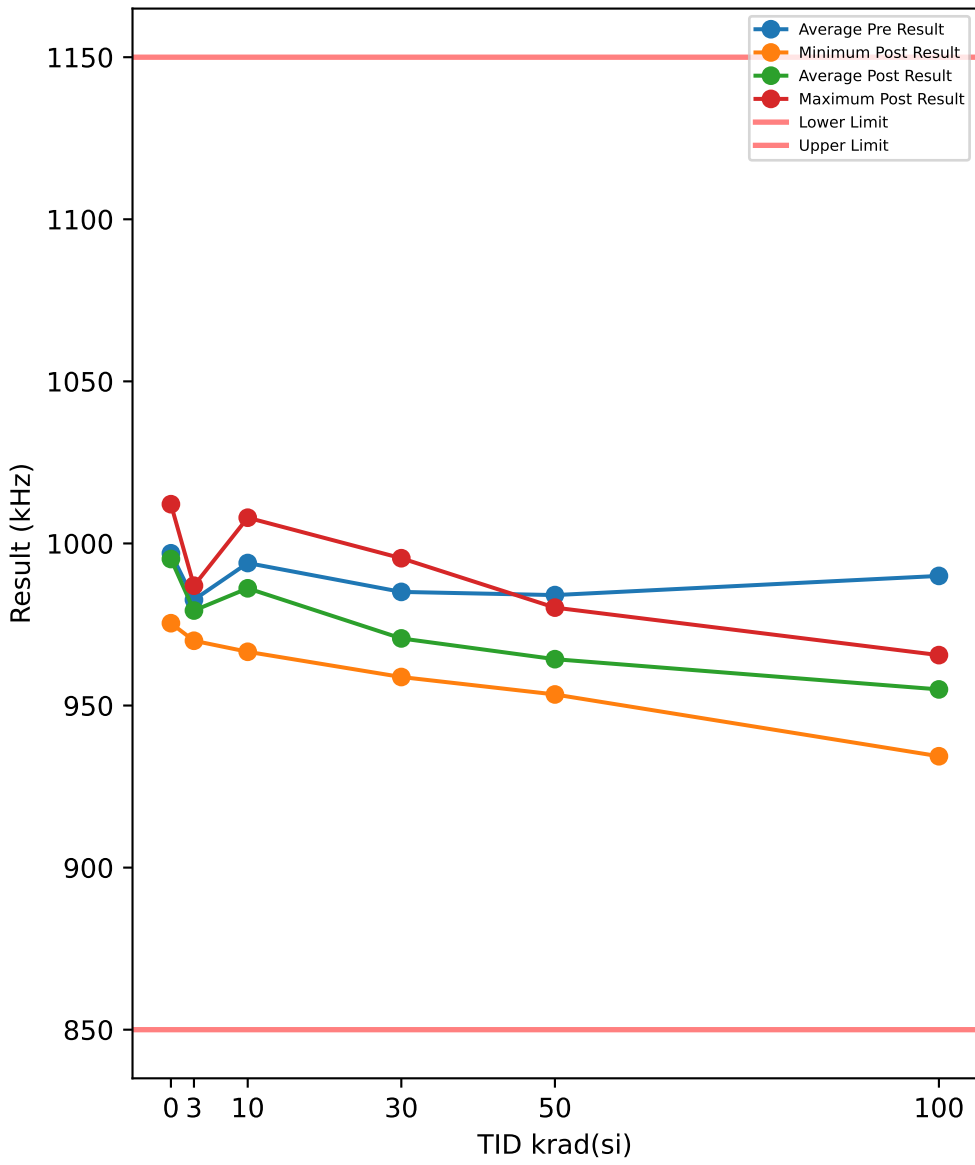
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
390	100	Biased	985.15	960.27	-24.886
392	100	Biased	1009.6	949.13	-60.515
393	100	Biased	990.01	963.7	-26.314
394	100	Biased	971.11	951.06	-20.05
395	100	Biased	980.25	958	-22.256
412	100	Unbiased	1006.7	953.67	-53.041
413	100	Unbiased	996.21	965.68	-30.525
414	100	Unbiased	978.58	958.11	-20.467
415	100	Unbiased	983.51	955.32	-28.19
416	100	Unbiased	999.58	934.4	-65.176
417	50	Biased	976.91	960.75	-16.159
418	50	Biased	971.29	953.51	-17.781
419	50	Biased	999.5	973	-26.504
421	50	Biased	973.6	957.84	-15.755
422	50	Biased	1008.5	980.08	-28.373
423	50	Unbiased	982.56	960.09	-22.468
424	50	Unbiased	998.05	975.5	-22.555
425	50	Unbiased	977.63	958.66	-18.972
426	50	Unbiased	982.58	966.72	-15.852
427	50	Unbiased	970.12	956.35	-13.771
463	0	Corr	977.12	975.16	-1.9667
464	0	Corr	999.98	997.9	-2.0847
465	0	Corr	1013.9	1012	-1.8627
466	30	Biased	968.24	958.75	-9.4882
469	30	Biased	992	979.06	-12.942
470	30	Biased	1017	995.5	-21.508
472	30	Biased	974.42	965.77	-8.6455
474	30	Biased	986.54	968.94	-17.608
475	30	Unbiased	970.71	959.76	-10.95
477	30	Unbiased	992.94	969.68	-23.262
478	30	Unbiased	979.98	968.75	-11.225
479	30	Unbiased	981.94	968.98	-12.959
480	30	Unbiased	988.15	972.55	-15.602
481	10	Biased	1012.8	1007.8	-5.0272
482	10	Biased	984.13	978.65	-5.4829
483	10	Biased	1007.5	1004.1	-3.4182
484	10	Biased	986.58	981.02	-5.564
485	10	Biased	971.21	966.55	-4.6612
487	10	Unbiased	974.98	970.23	-4.7556
488	10	Unbiased	1014.6	1000.5	-14.16
489	10	Unbiased	992.63	982.84	-9.7877
490	10	Unbiased	990.69	979.4	-11.289
491	10	Unbiased	1004.8	992.42	-12.375
492	3	Biased	971.81	970.24	-1.5645
493	3	Biased	989.72	986.04	-3.6812
494	3	Biased	988.14	984.21	-3.9247
495	3	Biased	978.16	974.65	-3.507
496	3	Biased	989.05	985.21	-3.8473
497	3	Unbiased	988.99	984.93	-4.0676
498	3	Unbiased	976.78	973.22	-3.5558
499	3	Unbiased	981.76	976.27	-5.4935
500	3	Unbiased	976.25	972.13	-4.1286
502	3	Unbiased	987.73	986.77	-0.9525



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	977.12	997	1013.9	18.563	975.16	995.02	1012	18.601	-2.0847	-1.9714	-1.8627	0.11107
3	971.81	982.84	989.72	6.6721	970.24	979.37	986.77	6.609	-5.4935	-3.4723	-0.9525	1.302
10	971.21	994	1014.6	15.365	966.55	986.34	1007.8	14.183	-14.16	-7.6521	-3.4182	3.8539
30	968.24	985.19	1017	14.066	958.75	970.77	995.5	10.468	-23.262	-14.419	-8.6455	4.9913
50	970.12	984.07	1008.5	13.305	953.51	964.25	980.08	9.0647	-28.373	-19.819	-13.771	4.938
100	971.11	990.08	1009.6	12.662	934.4	954.93	965.68	8.8953	-65.176	-35.142	-20.05	17.411

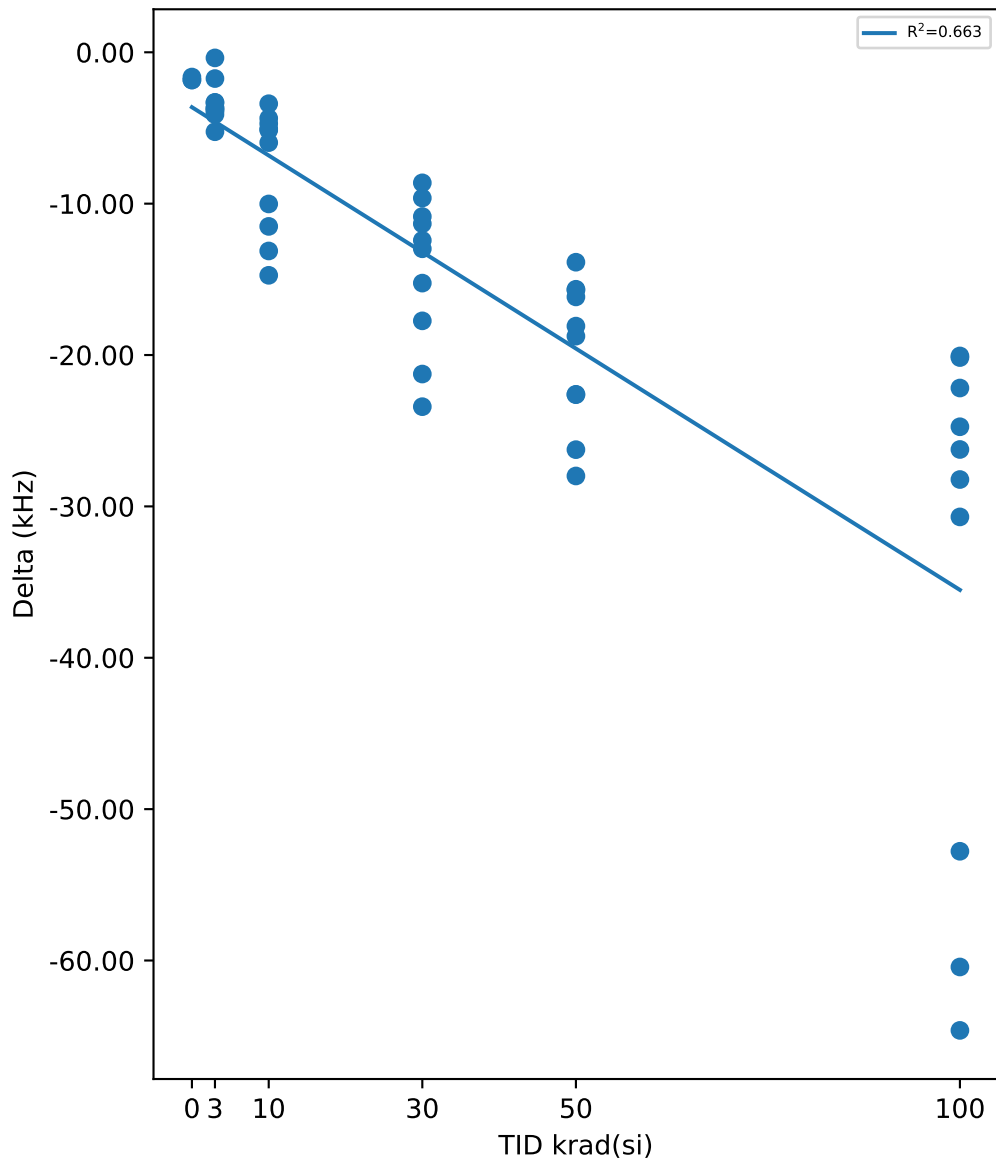
TID vs Result Stats



Test Results (Lower Limit = 850.0, Upper Limit = 1150.0 (kHz))

Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
390	100	Biased	985	960.27	-24.739
392	100	Biased	1010.1	949.63	-60.428
393	100	Biased	989.93	963.69	-26.239
394	100	Biased	970.94	950.77	-20.167
395	100	Biased	980.19	958.01	-22.179
412	100	Unbiased	1006.8	954.05	-52.784
413	100	Unbiased	996.25	965.55	-30.694
414	100	Unbiased	978.34	958.28	-20.061
415	100	Unbiased	983.31	955.09	-28.224
416	100	Unbiased	998.97	934.35	-64.617
417	50	Biased	977.21	961.05	-16.161
418	50	Biased	971.5	953.41	-18.09
419	50	Biased	999.44	973.19	-26.251
421	50	Biased	973.67	958.02	-15.655
422	50	Biased	1008.2	980.21	-27.99
423	50	Unbiased	982.69	960.07	-22.619
424	50	Unbiased	997.93	975.33	-22.596
425	50	Unbiased	977.35	958.6	-18.754
426	50	Unbiased	982.53	966.82	-15.708
427	50	Unbiased	970.16	956.29	-13.868
463	0	Corr	977.03	975.4	-1.6347
464	0	Corr	999.92	998.09	-1.832
465	0	Corr	1013.9	1012.1	-1.828
466	30	Biased	968.42	958.8	-9.6289
469	30	Biased	991.85	978.86	-12.981
470	30	Biased	1016.7	995.44	-21.256
472	30	Biased	974.56	965.93	-8.6245
474	30	Biased	986.4	968.66	-17.742
475	30	Unbiased	970.5	959.65	-10.851
477	30	Unbiased	993.23	969.82	-23.412
478	30	Unbiased	979.72	968.4	-11.324
479	30	Unbiased	981.51	969.09	-12.427
480	30	Unbiased	987.62	972.37	-15.249
481	10	Biased	1013	1007.9	-5.0616
482	10	Biased	984.16	978.19	-5.9679
483	10	Biased	1007.6	1004.2	-3.3977
484	10	Biased	986.2	981.06	-5.1447
485	10	Biased	971.29	966.58	-4.7091
487	10	Unbiased	974.32	969.95	-4.3638
488	10	Unbiased	1014.6	999.88	-14.733
489	10	Unbiased	992.63	982.61	-10.02
490	10	Unbiased	990.53	979.03	-11.502
491	10	Unbiased	1005.2	992.11	-13.125
492	3	Biased	971.72	969.98	-1.7353
493	3	Biased	989.25	985.6	-3.6473
494	3	Biased	988.15	984.04	-4.1102
495	3	Biased	978.31	974.42	-3.8876
496	3	Biased	988.57	985.26	-3.3081
497	3	Unbiased	988.94	985.24	-3.6955
498	3	Unbiased	976.61	973.28	-3.3273
499	3	Unbiased	981.49	976.24	-5.2488
500	3	Unbiased	975.82	972.02	-3.8004
502	3	Unbiased	987.34	986.97	-0.3709

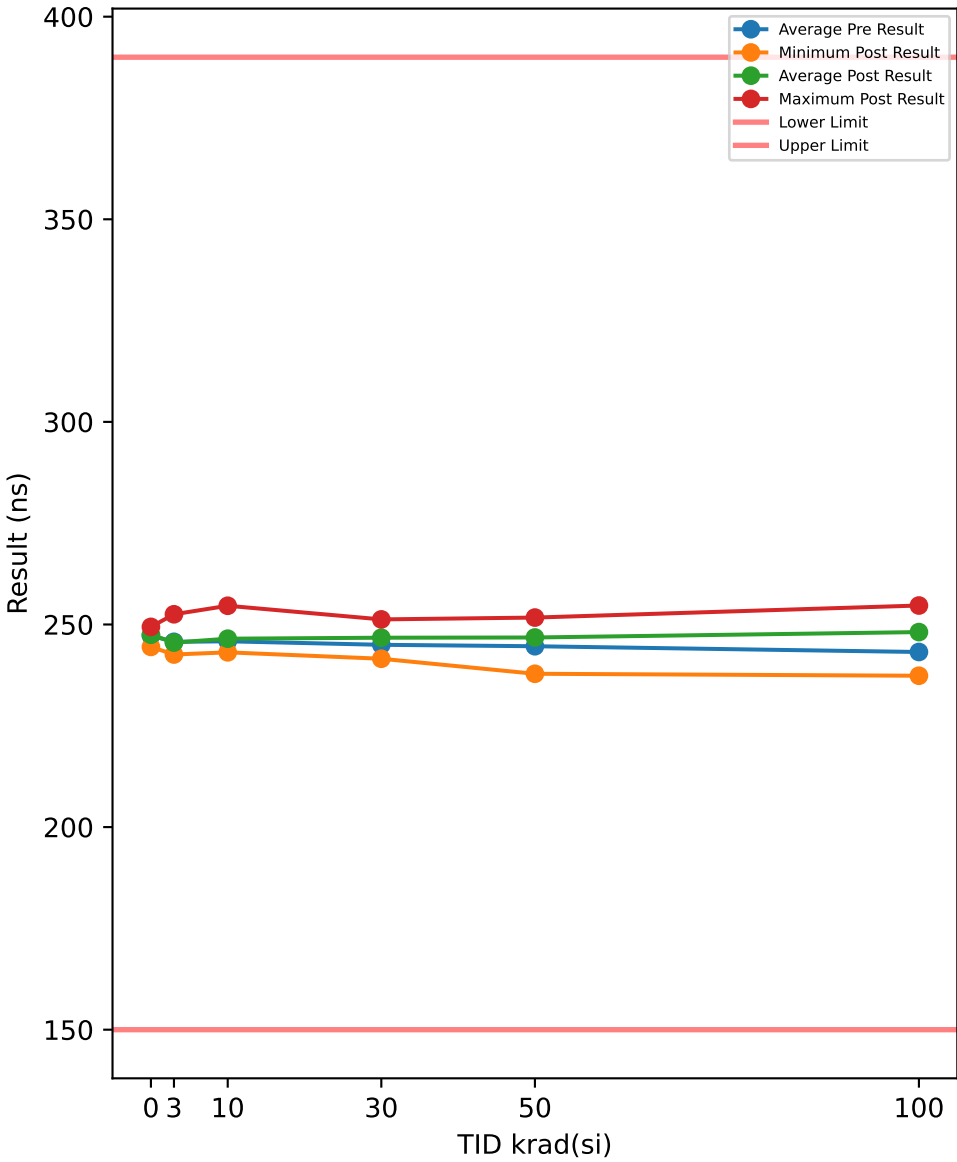
TID vs Post - Pre Exposure Delta



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	977.03	996.96	1013.9	18.63	975.4	995.2	1012.1	18.526	-1.832	-1.7649	-1.6347	0.11277
3	971.72	982.62	989.25	6.6105	969.98	979.31	986.97	6.6759	-5.2488	-3.3131	-0.3709	1.348
10	971.29	993.96	1014.6	15.538	966.58	986.16	1007.9	14.234	-14.733	-7.8025	-3.3977	4.1327
30	968.42	985.05	1016.7	13.993	958.8	970.7	995.44	10.44	-23.412	-14.35	-8.6245	4.9906
50	970.16	984.07	1008.2	13.193	953.41	964.3	980.21	9.0874	-27.99	-19.769	-13.868	4.8399
100	970.94	989.98	1010.1	12.781	934.35	954.97	965.55	8.8714	-64.617	-35.013	-20.061	17.301

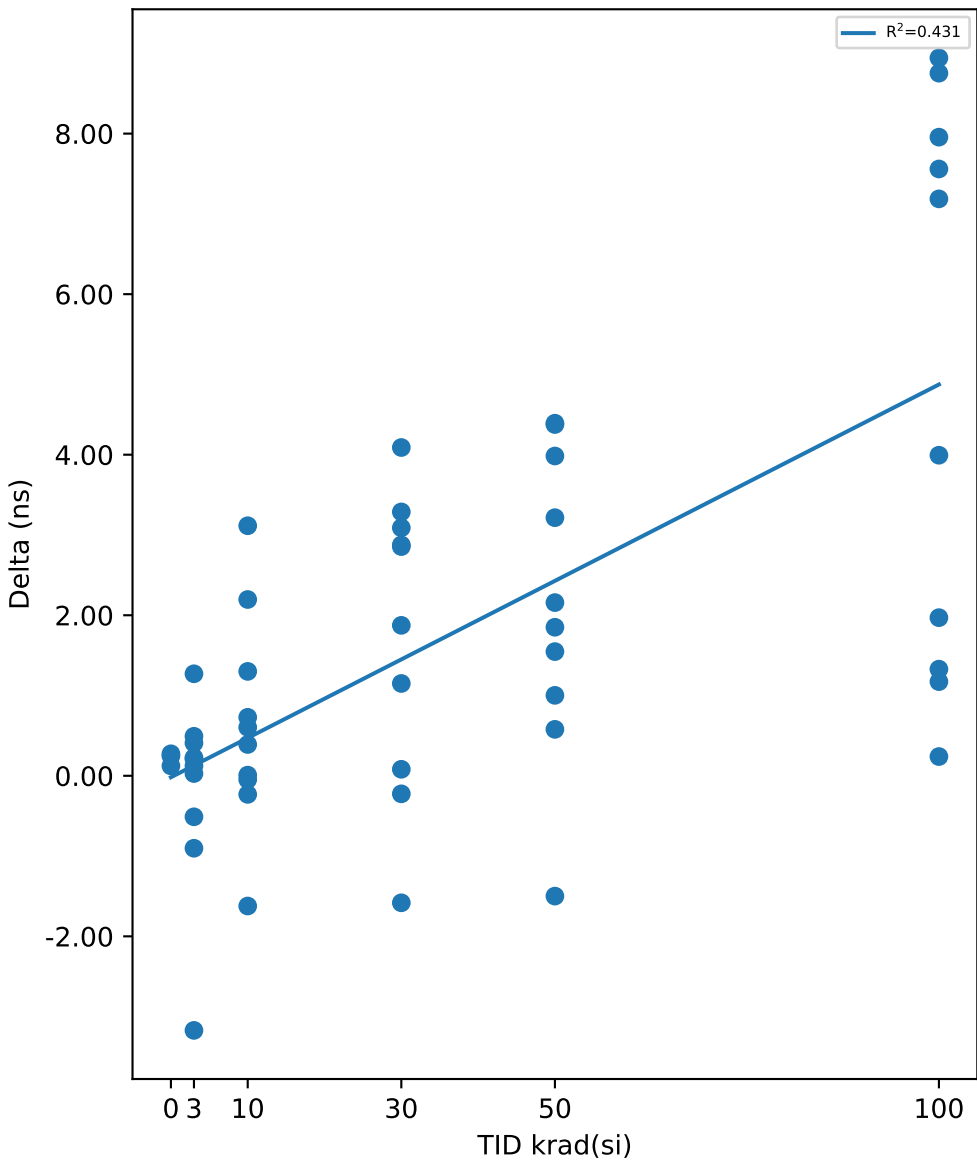
TID vs Result Stats



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

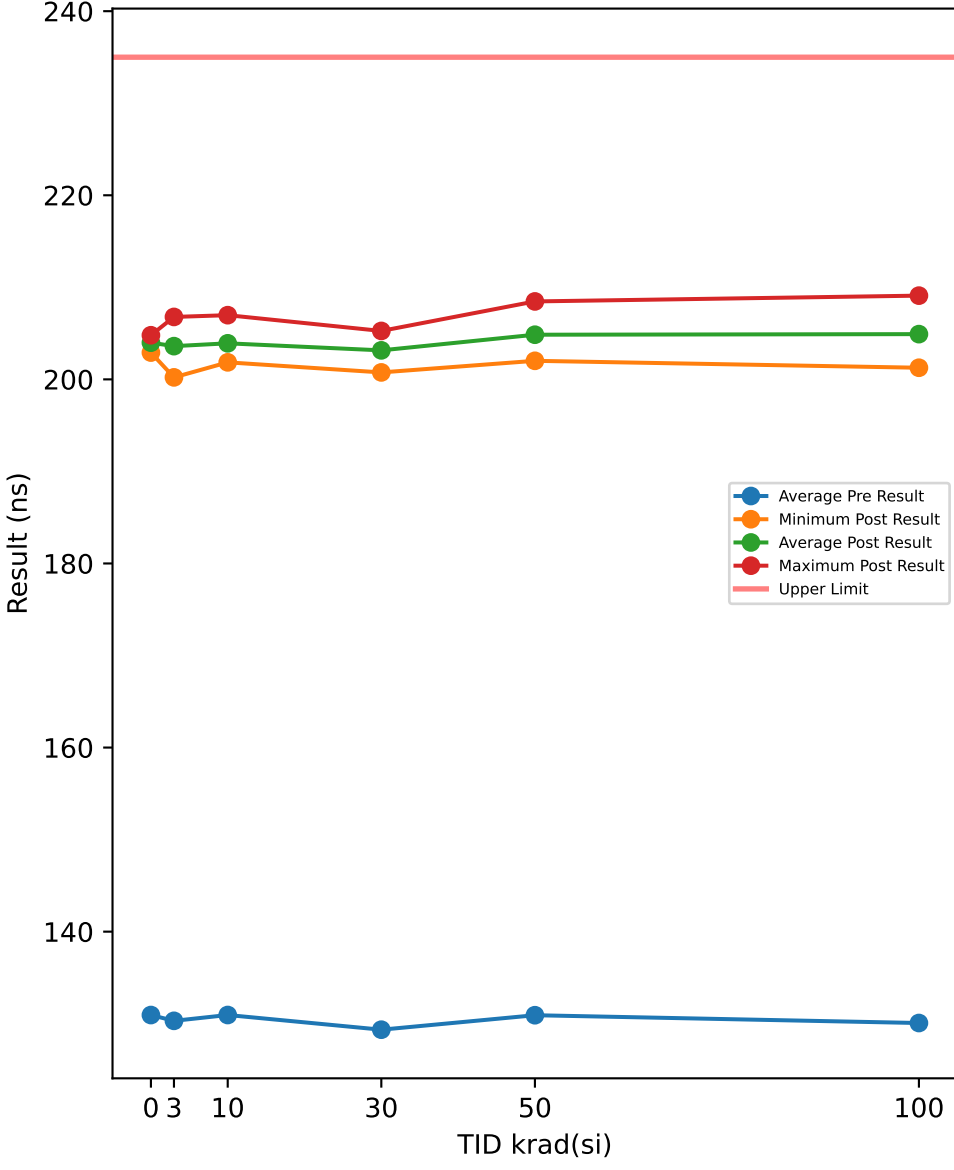
TID vs Post - Pre Exposure Delta



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

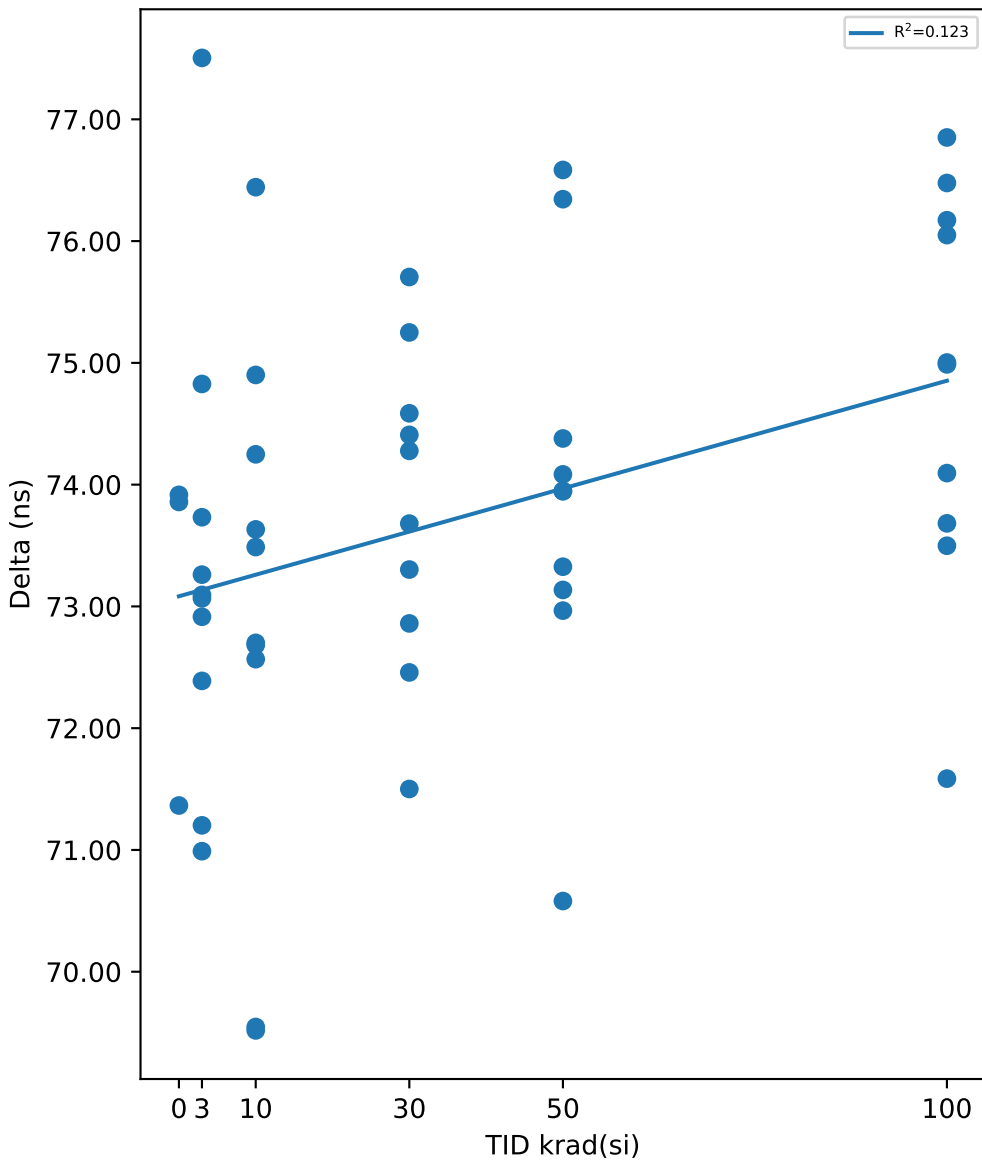
TID vs Result Stats



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

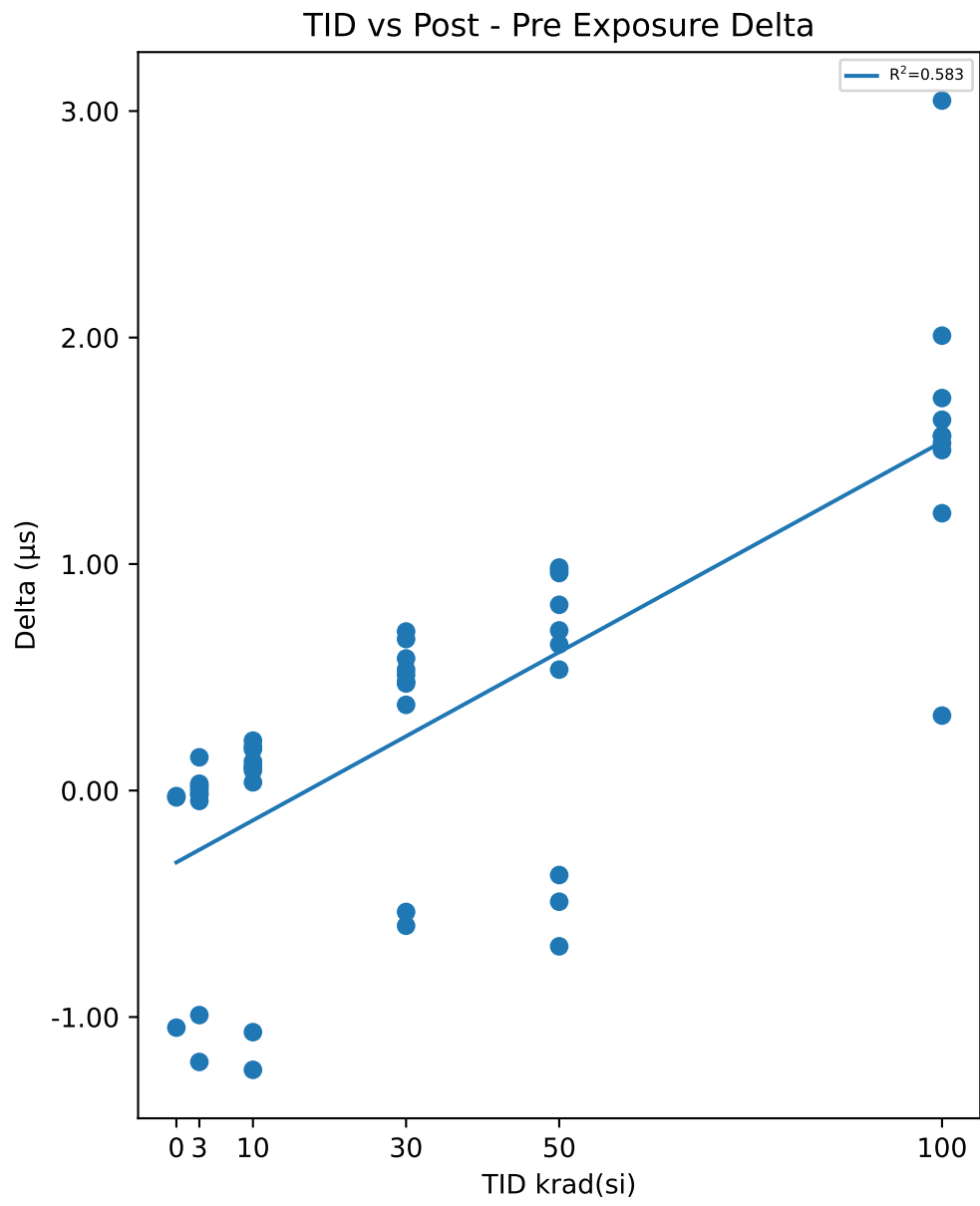
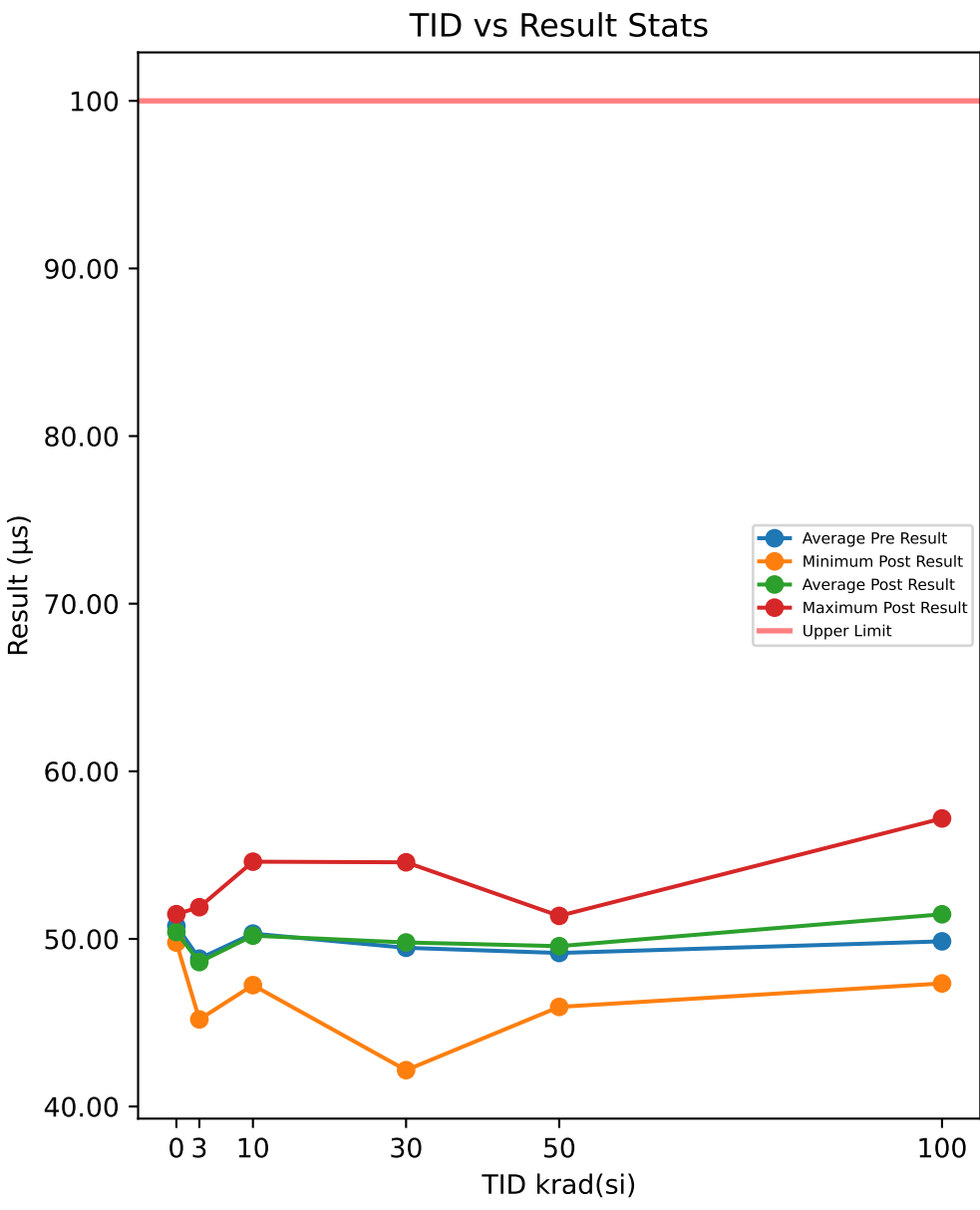
TID vs Post - Pre Exposure Delta



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)

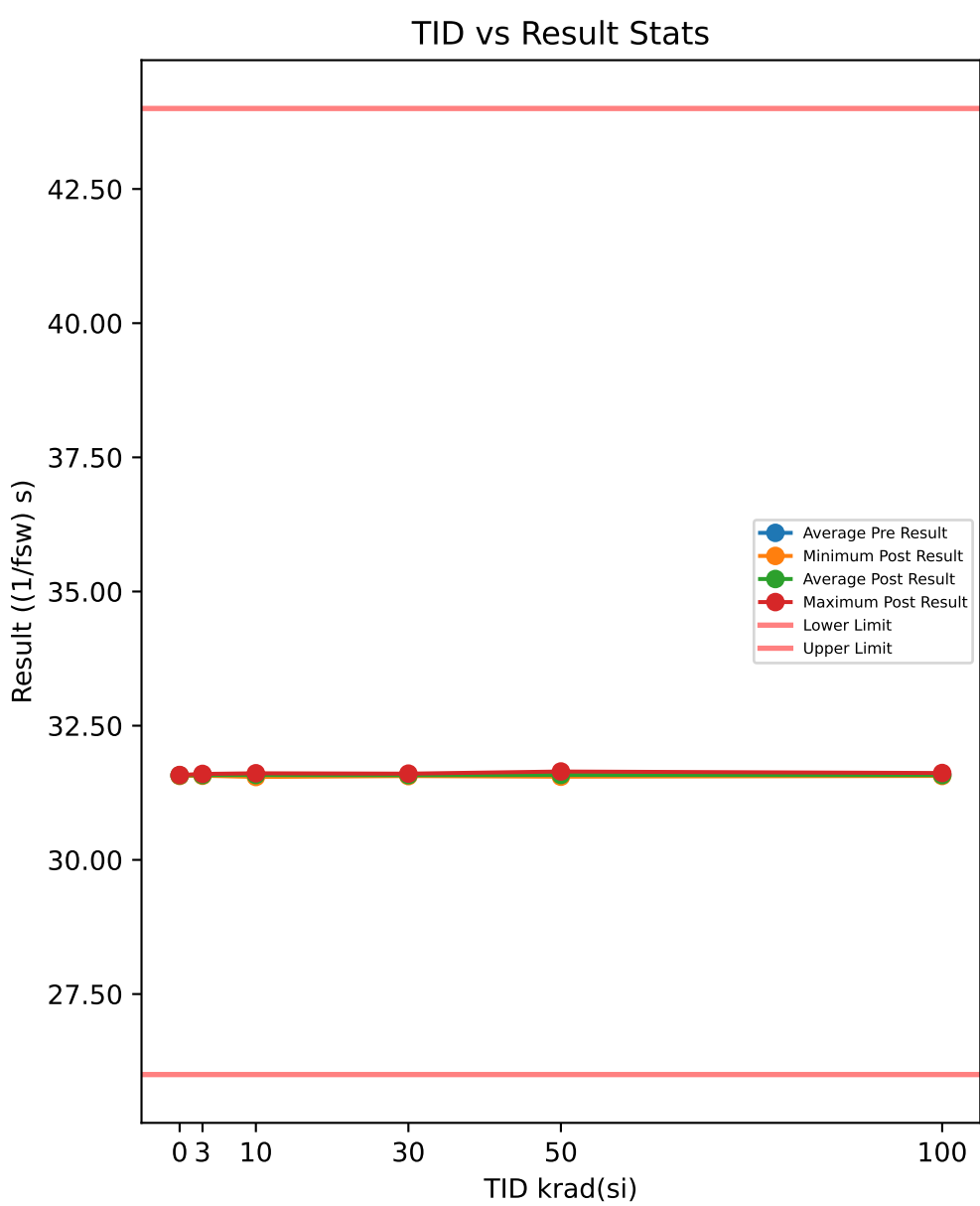


Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
390	100	Biased	46.942	48.166	1.2243
392	100	Biased	48.298	49.863	1.5647
393	100	Biased	49.795	51.528	1.7329
394	100	Biased	45.809	47.343	1.5336
395	100	Biased	55.177	57.185	2.0084
412	100	Unbiased	48.996	50.634	1.6371
413	100	Unbiased	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)

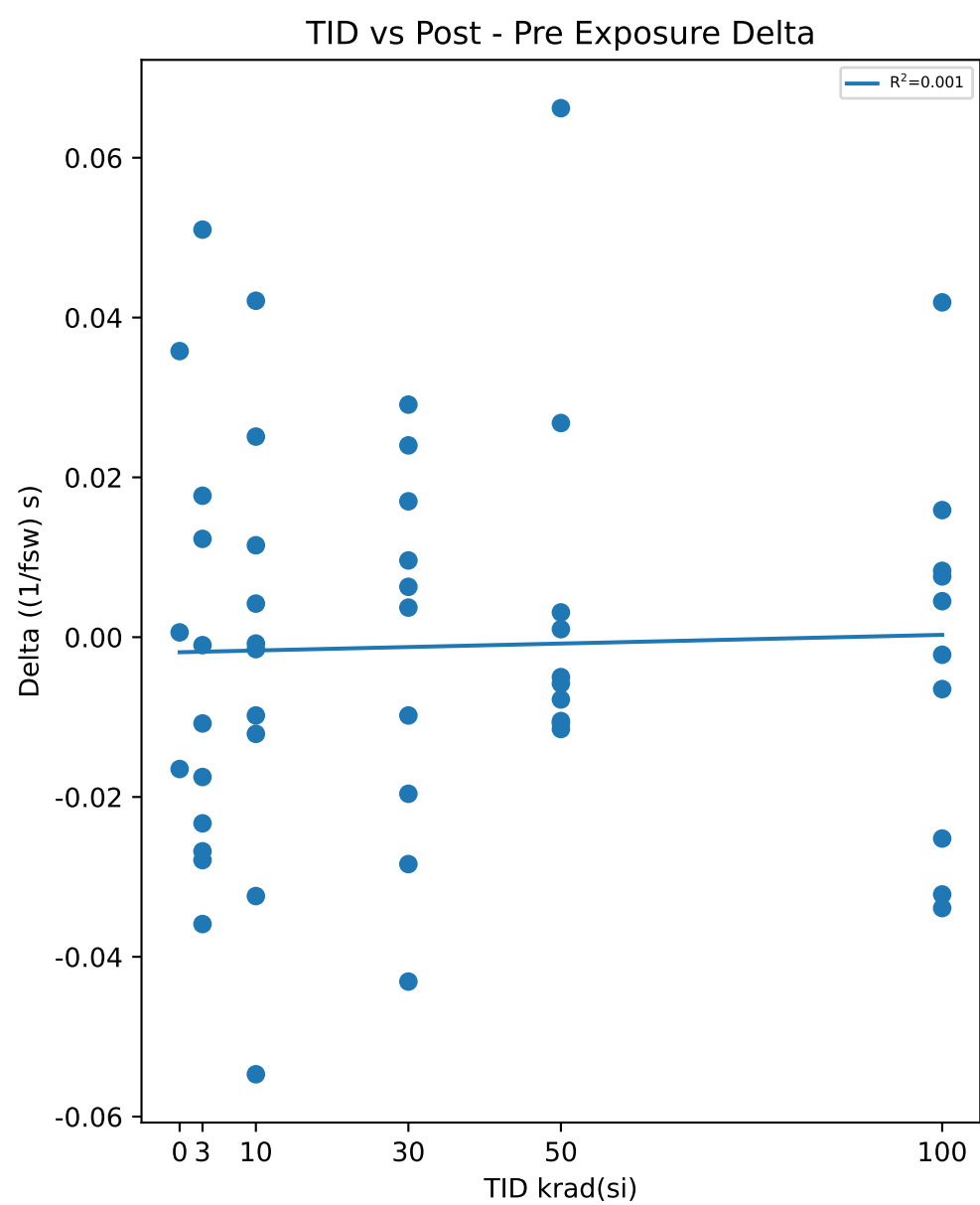
krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	49.998	50.775	51.501	0.75283	49.781	50.408	51.476	0.92953	-1.0469	-0.36727	-0.0245	0.58859
3	45.195	48.822	51.88	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)



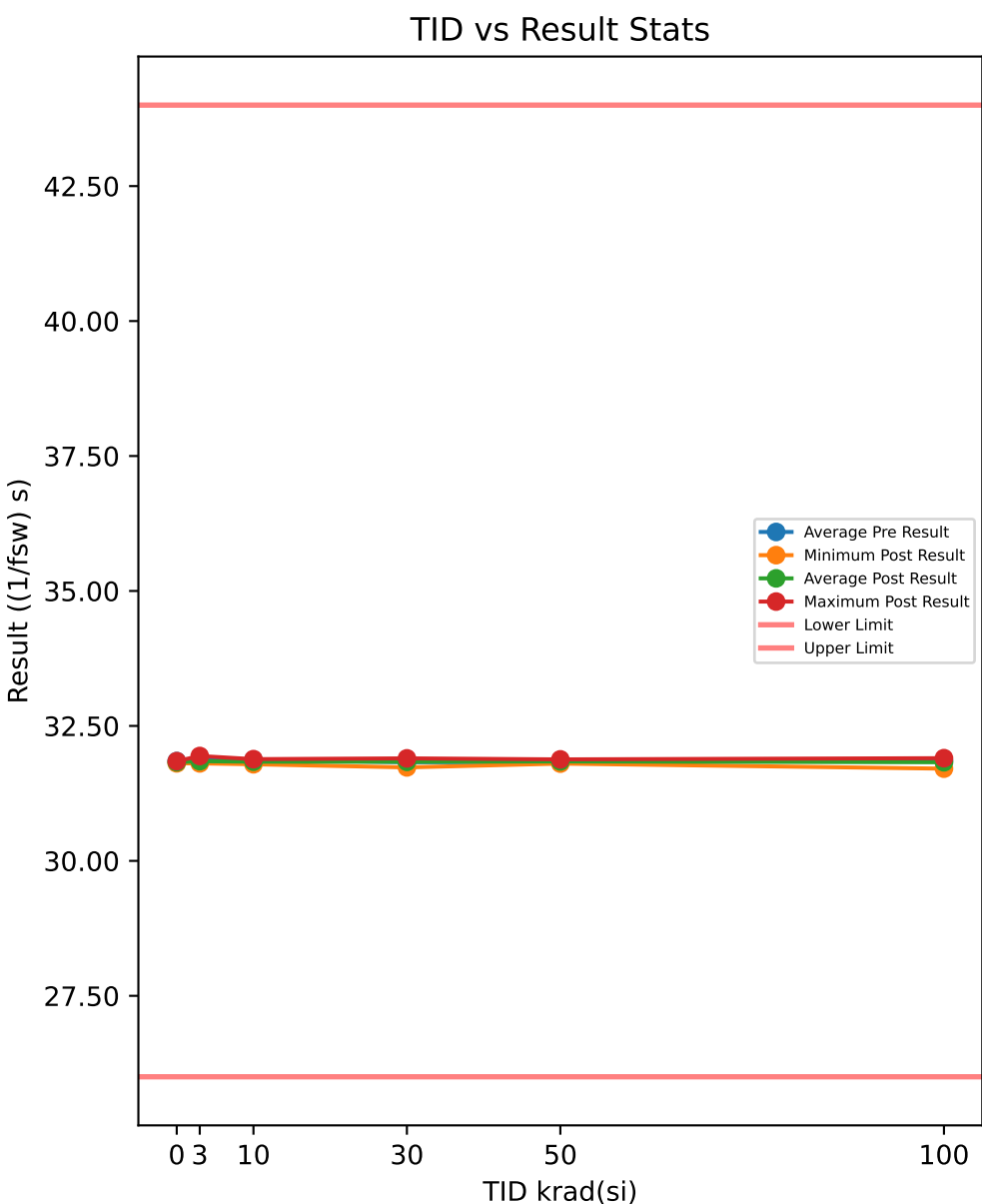
Test Results (Lower Limit = 26.0, Upper Limit = 44.0 ((1/fsw) s))

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



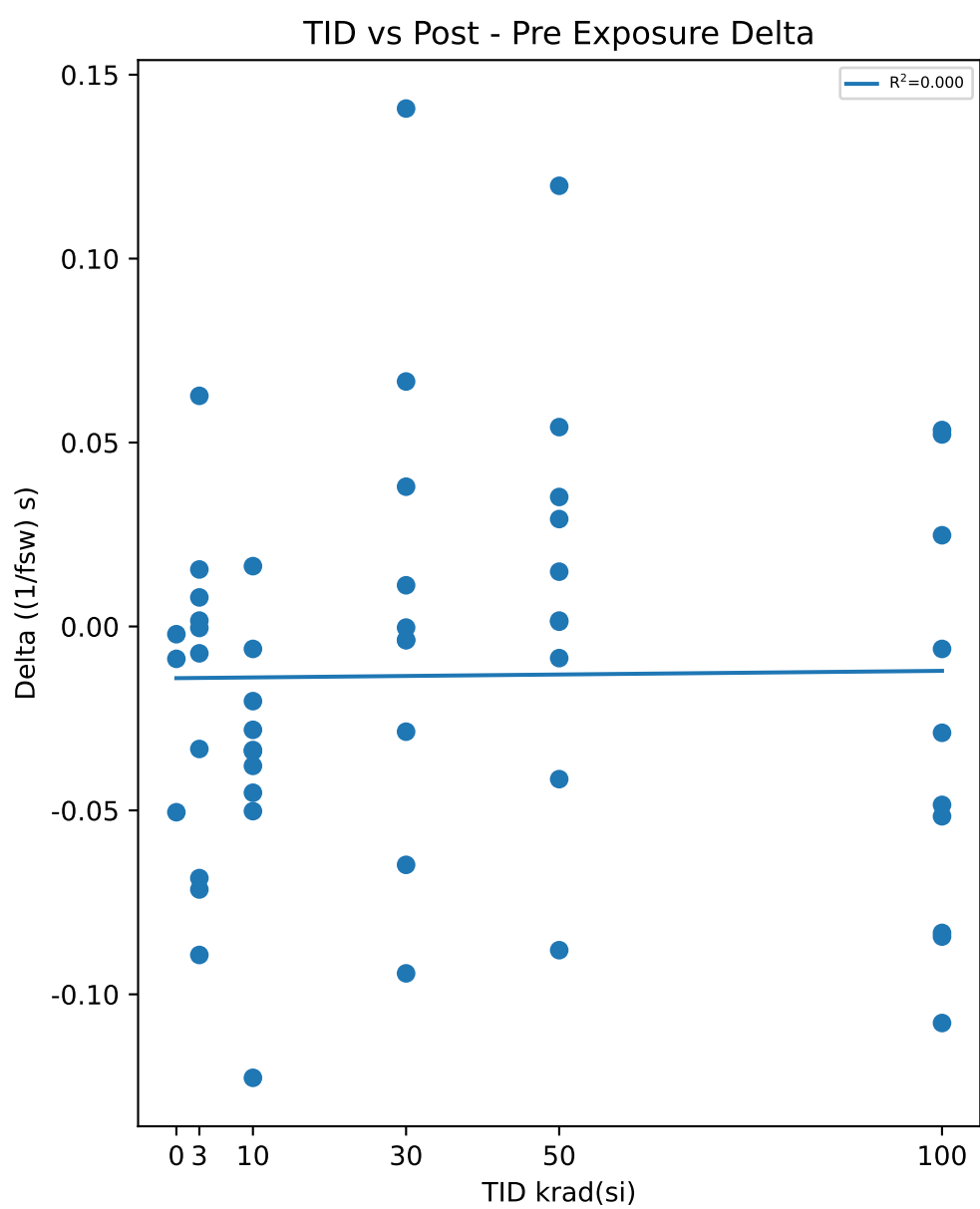
Test Statistics ((1/fsw) s)

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



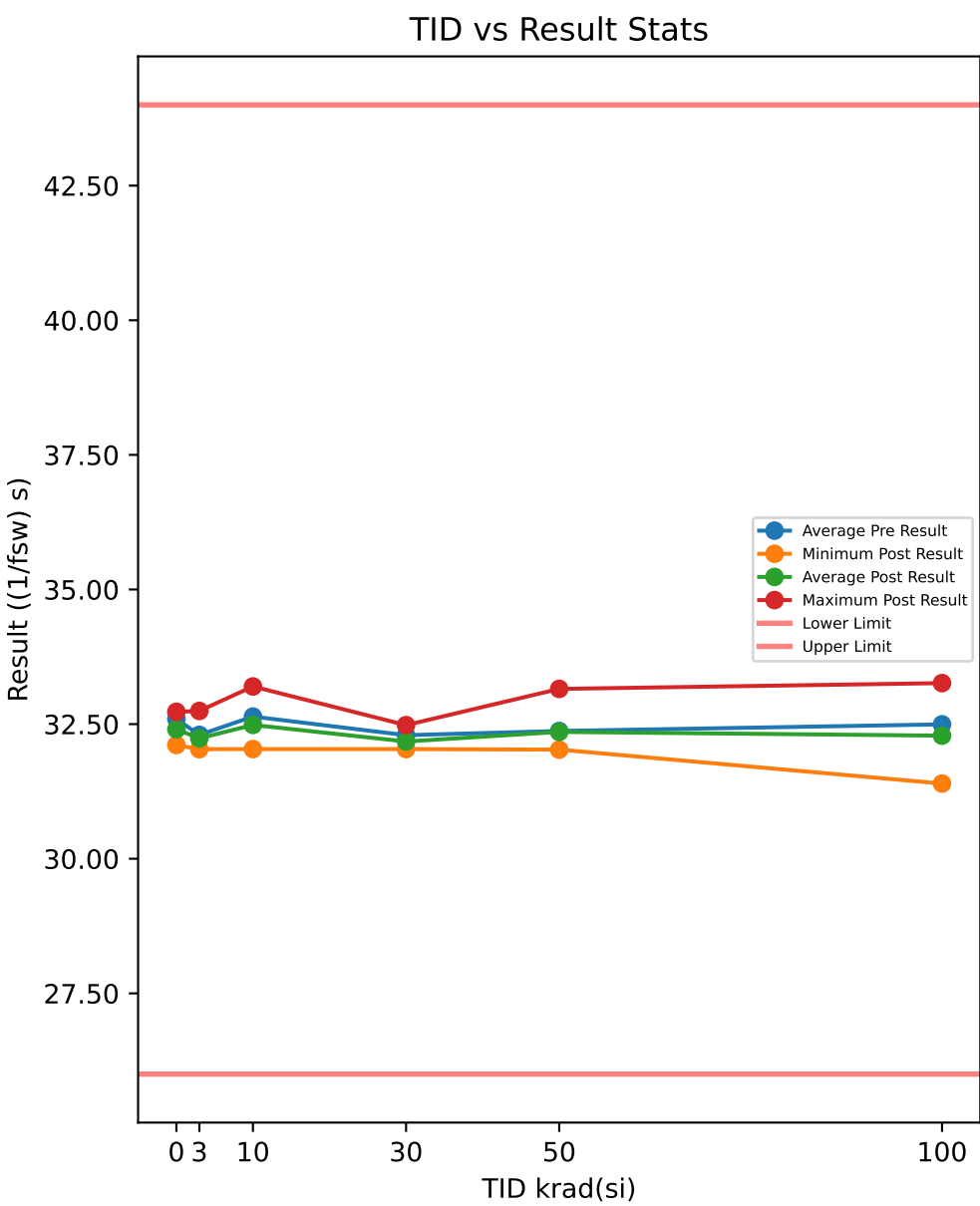
Test Results (Lower Limit = 26.0, Upper Limit = 44.0 ((1/fsw) s))

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



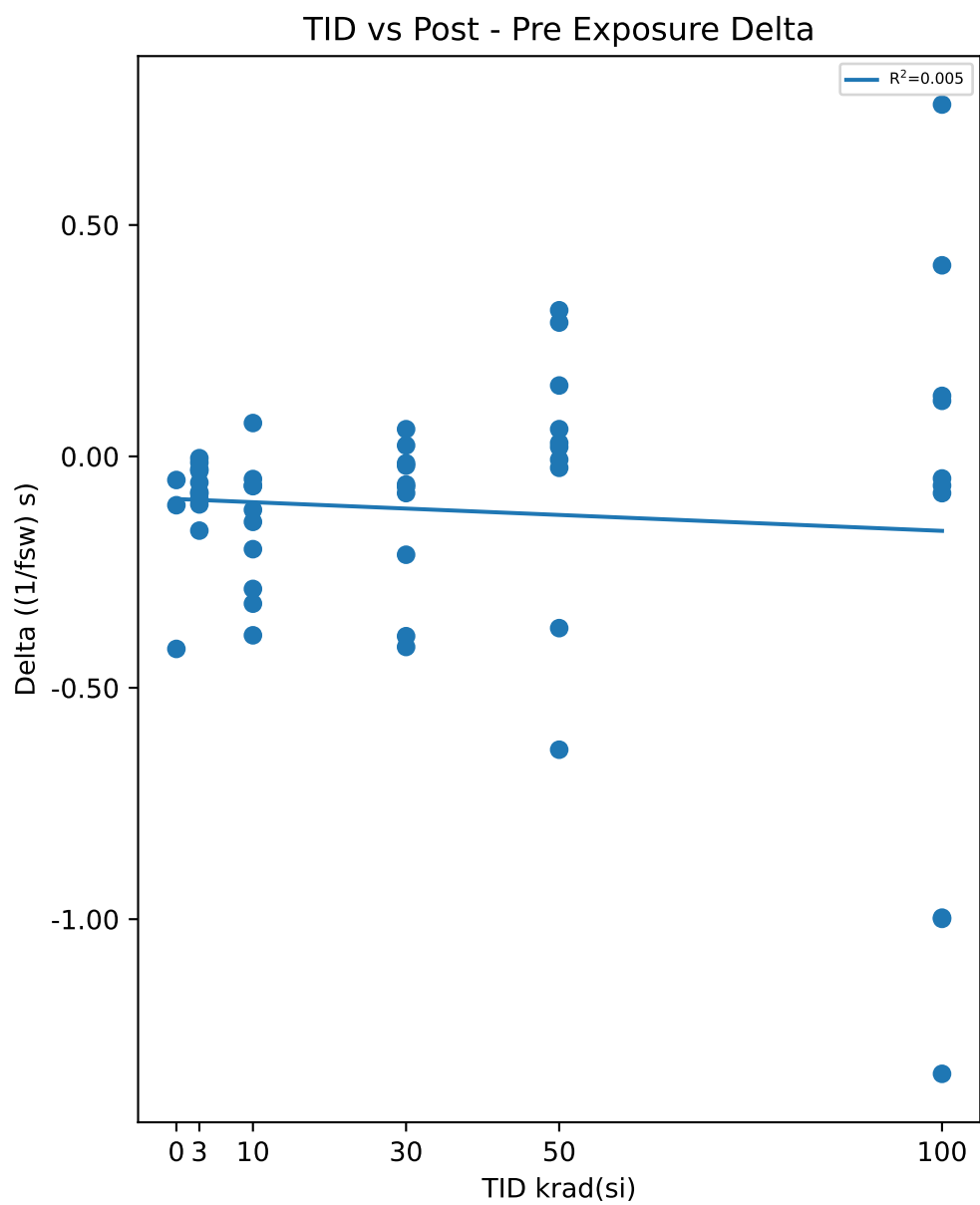
Test Statistics ((1/fsw) s)

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



Test Results (Lower Limit = 26.0, Upper Limit = 44.0 ((1/fsw) s))

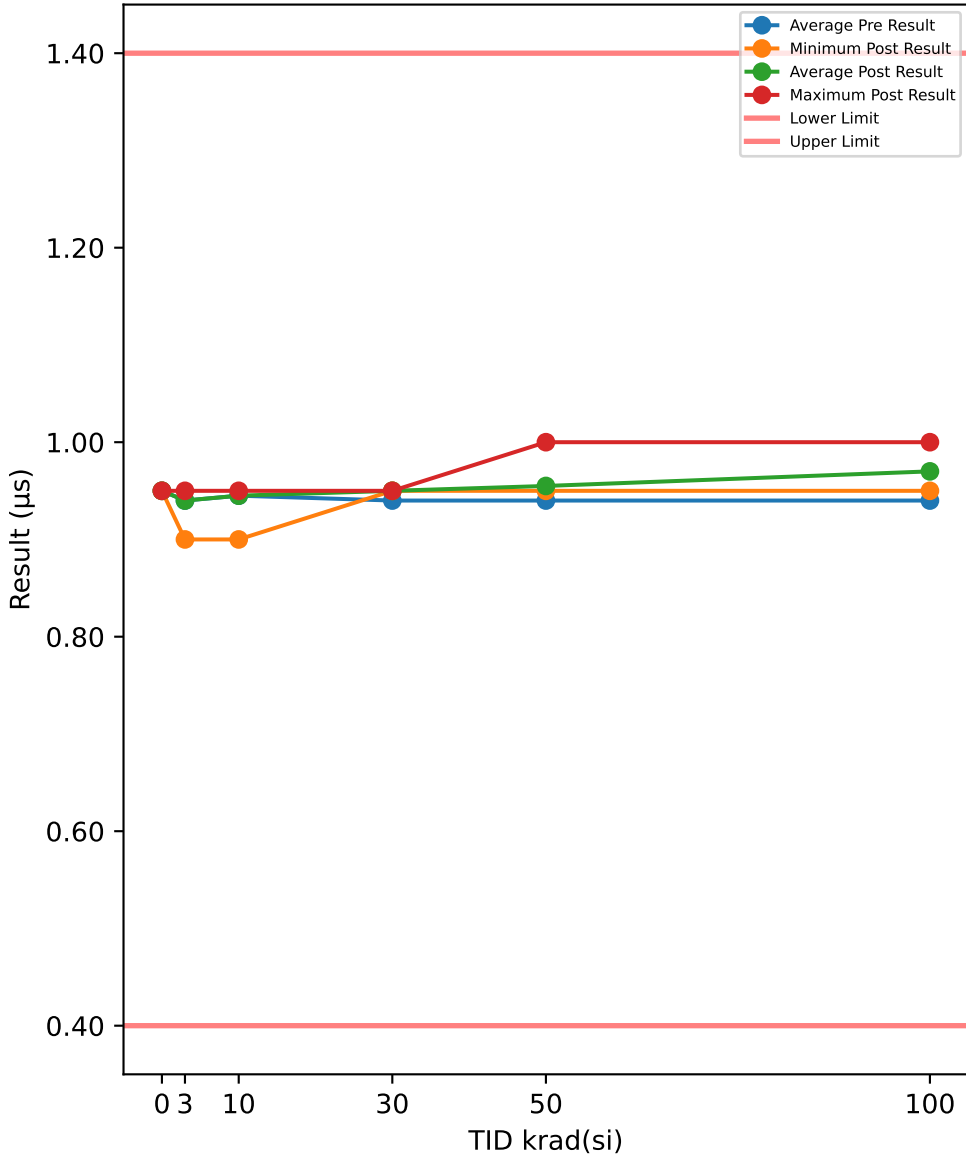
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
390	100	Biased	32.174	32.095	-0.0794
392	100	Biased	32.73	31.396	-1.3342
393	100	Biased	32.501	33.261	0.7603
394	100	Biased	32.192	32.144	-0.0477
395	100	Biased	32.349	32.762	0.4129
412	100	Unbiased	32.705	31.706	-0.9993
413	100	Unbiased	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

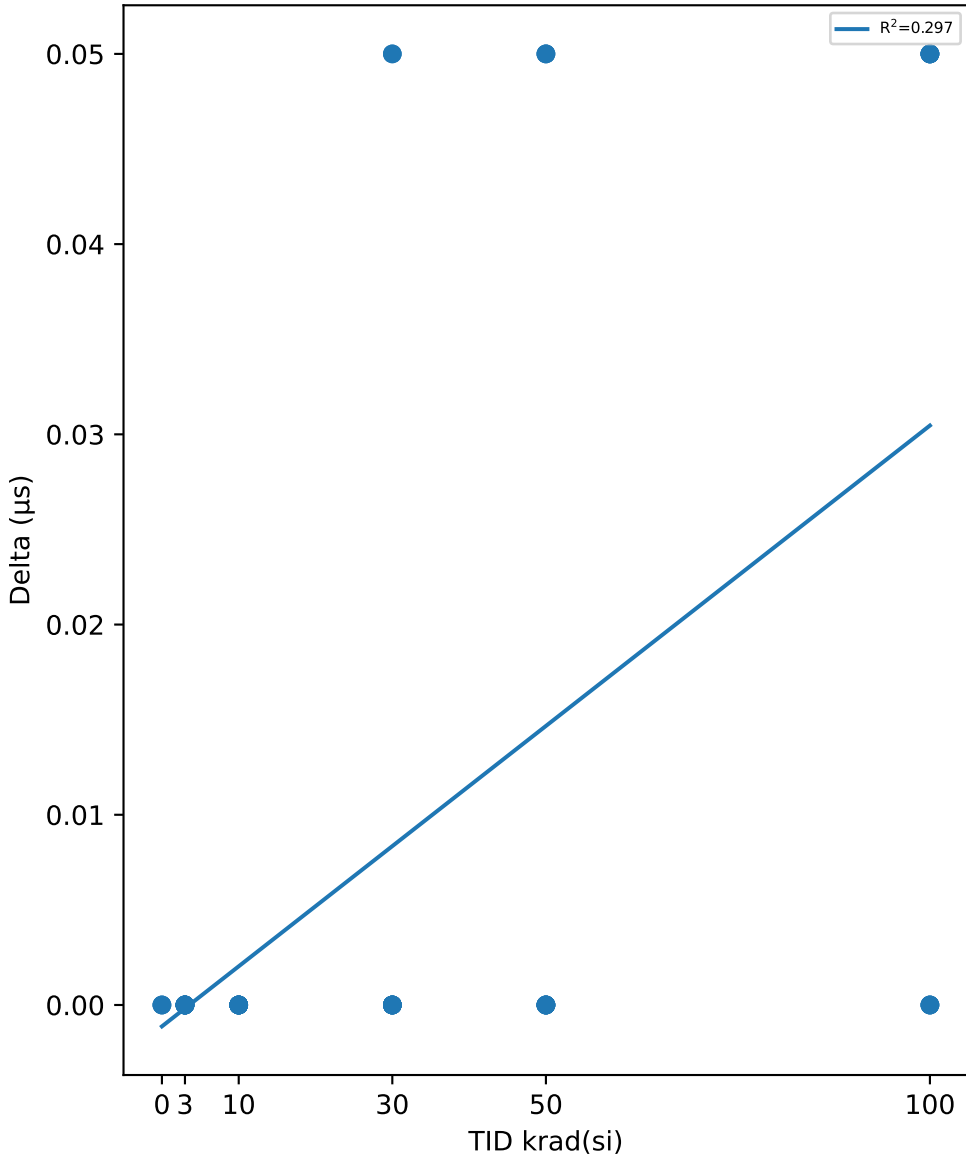
TID vs Result Stats



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

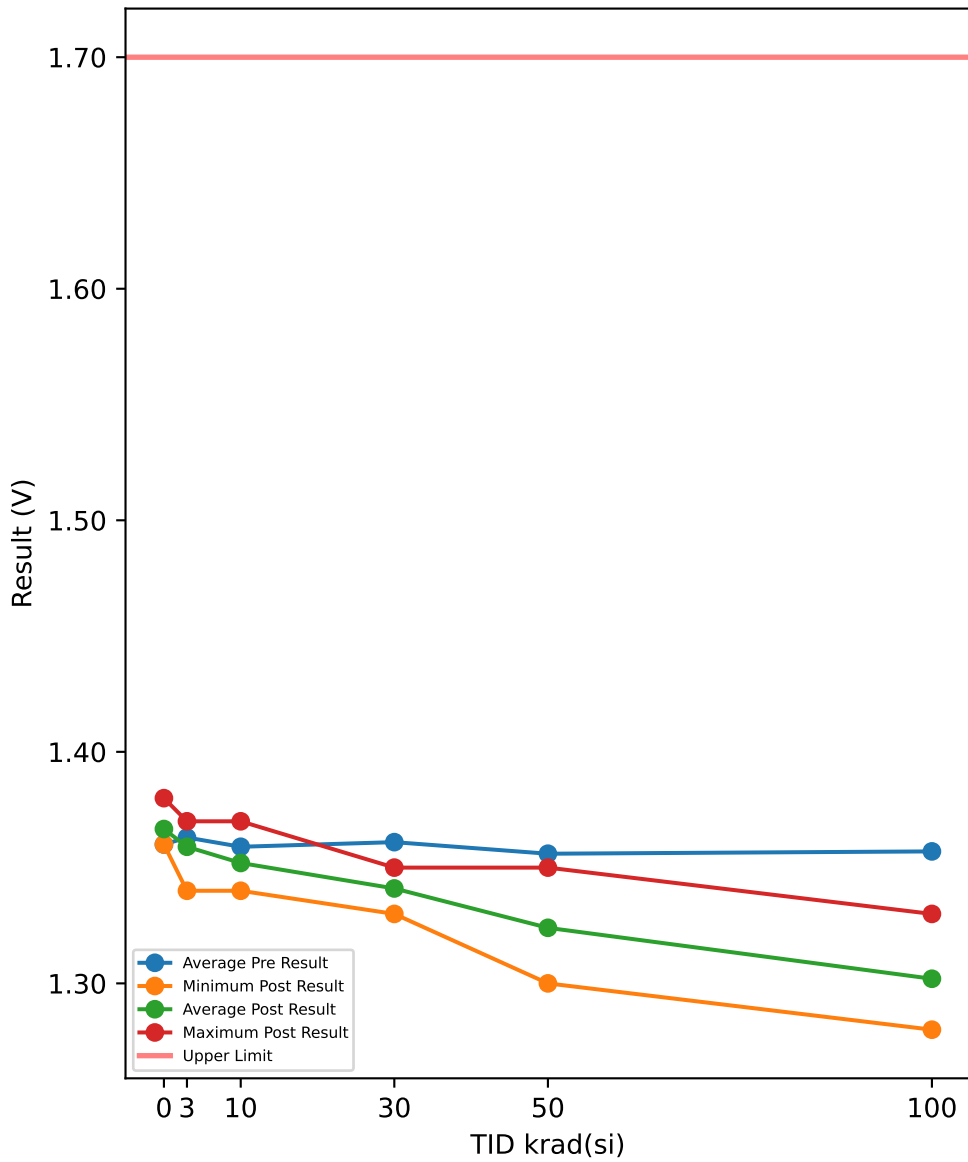
TID vs Post - Pre Exposure Delta



Test Statistics (µs)

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	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

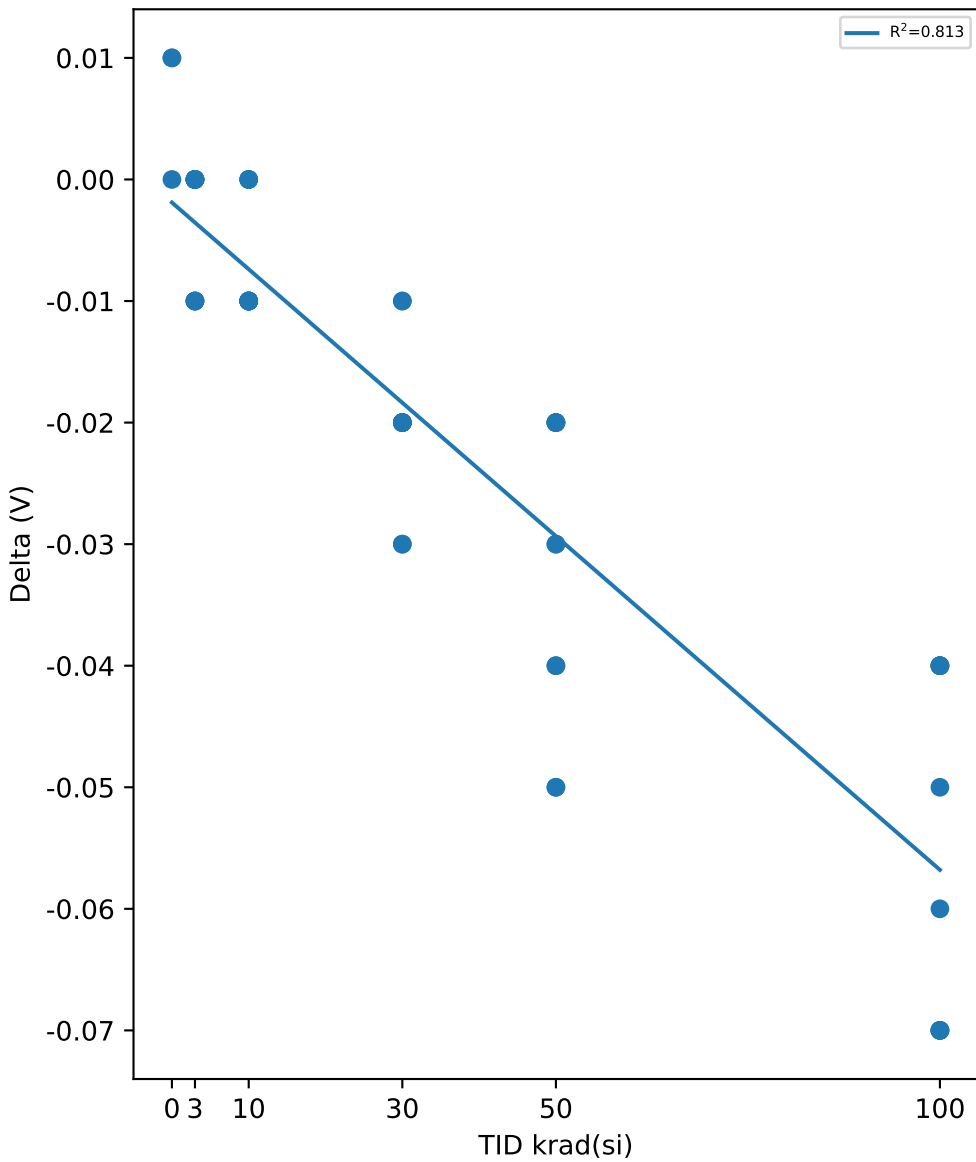
TID vs Result Stats



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

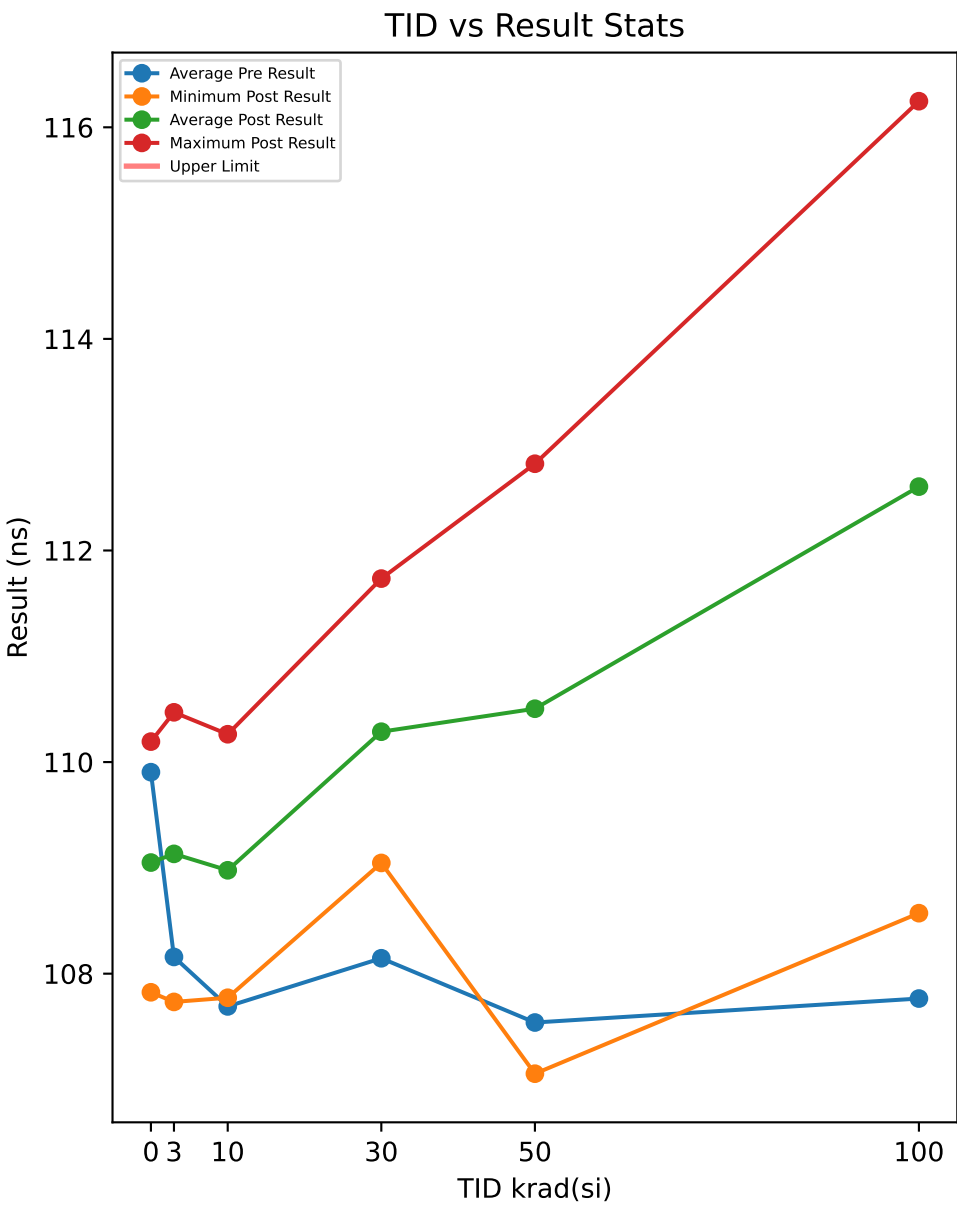
TID vs Post - Pre Exposure Delta



Test Statistics (V)

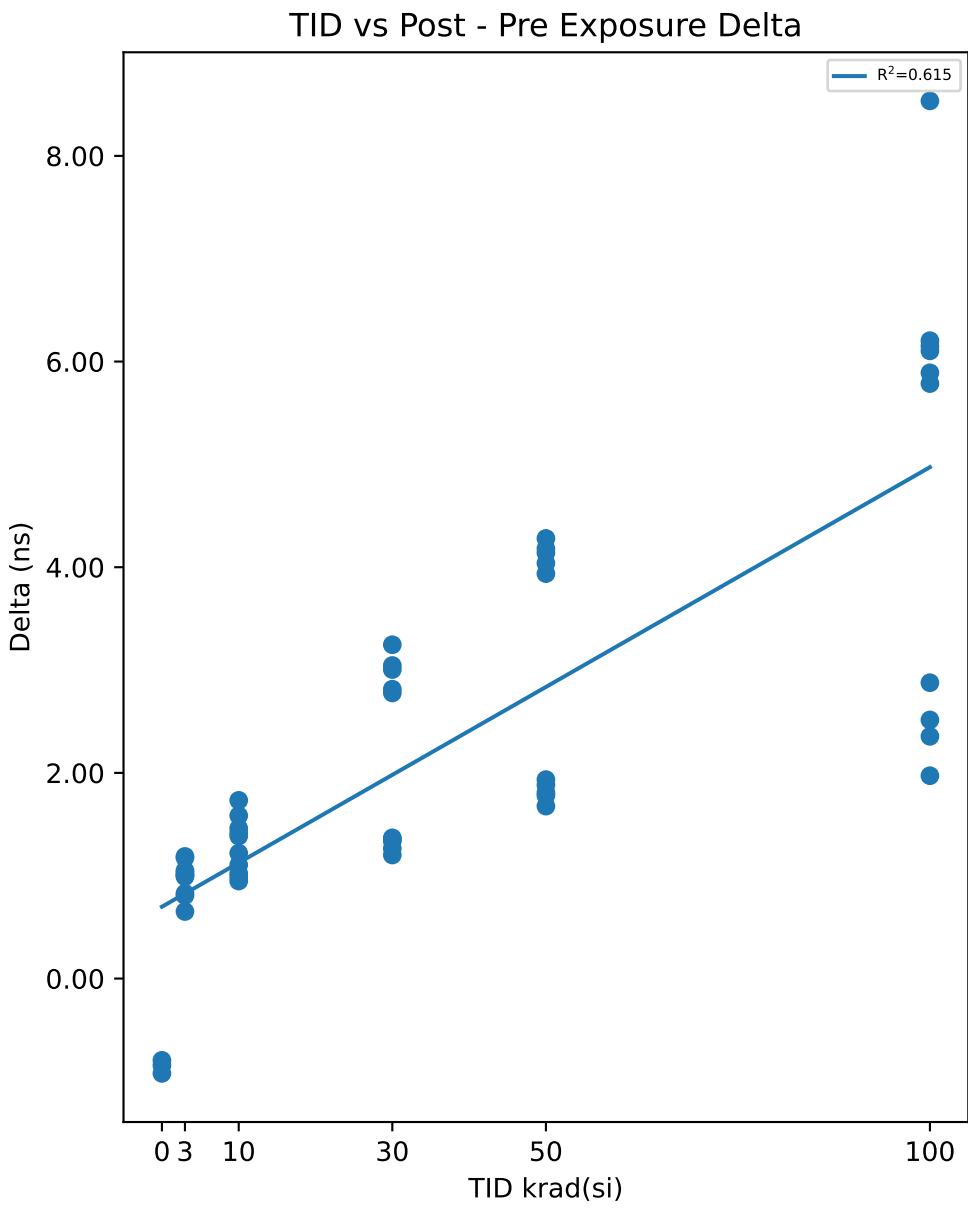
krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	1.35	1.36	1.37	0.01	1.36	1.3667	1.38	0.011547	0	0.0066667	0.01	0.0057735
3	1.35	1.363	1.37	0.0067495	1.34	1.359	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))

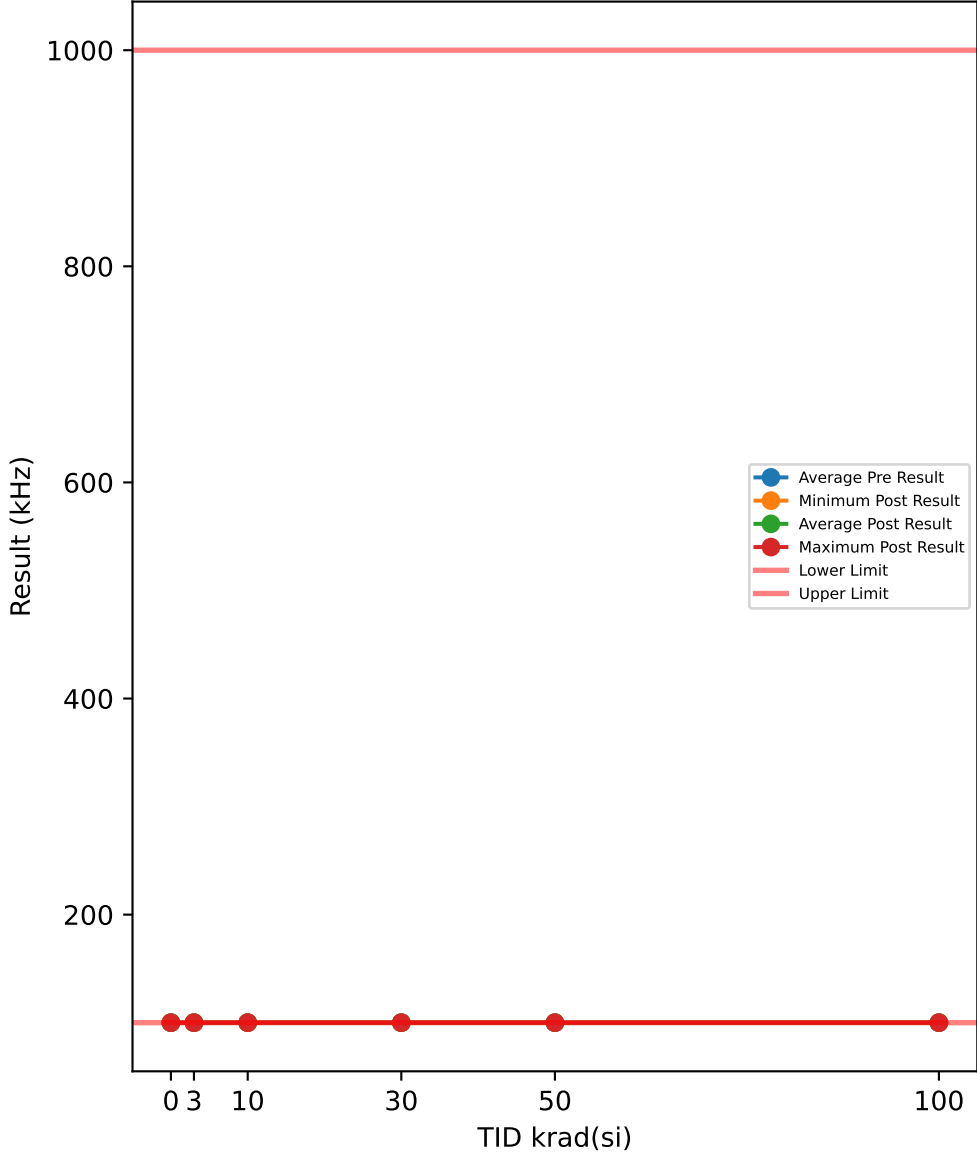
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
390	100	Biased	108.39	114.18	5.7859
392	100	Biased	108.32	114.42	6.1037
393	100	Biased	107.74	113.94	6.2034
394	100	Biased	109.41	115.56	6.1502
395	100	Biased	107.08	112.97	5.8907
412	100	Unbiased	107.19	109.7	2.5149
413	100	Unbiased	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

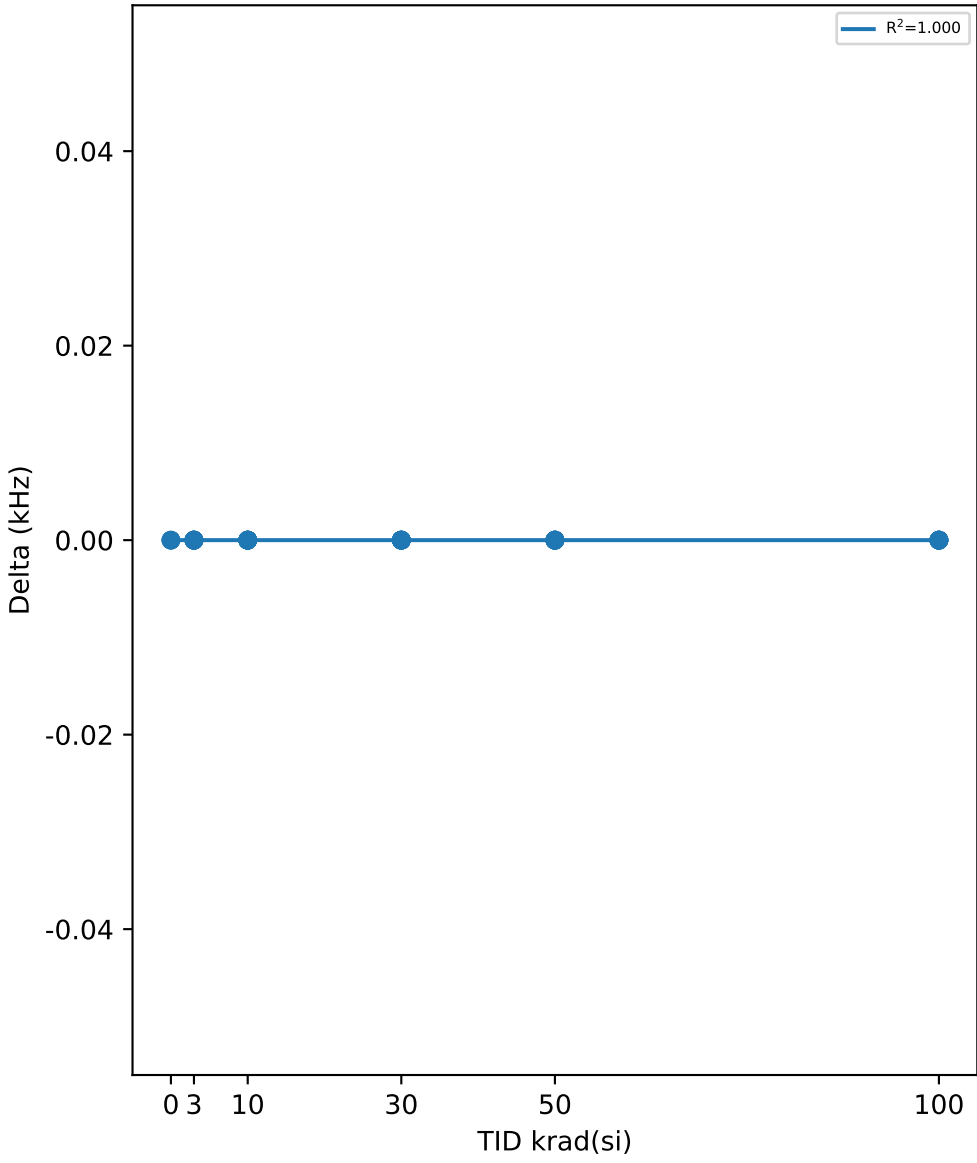
TID vs Result Stats



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

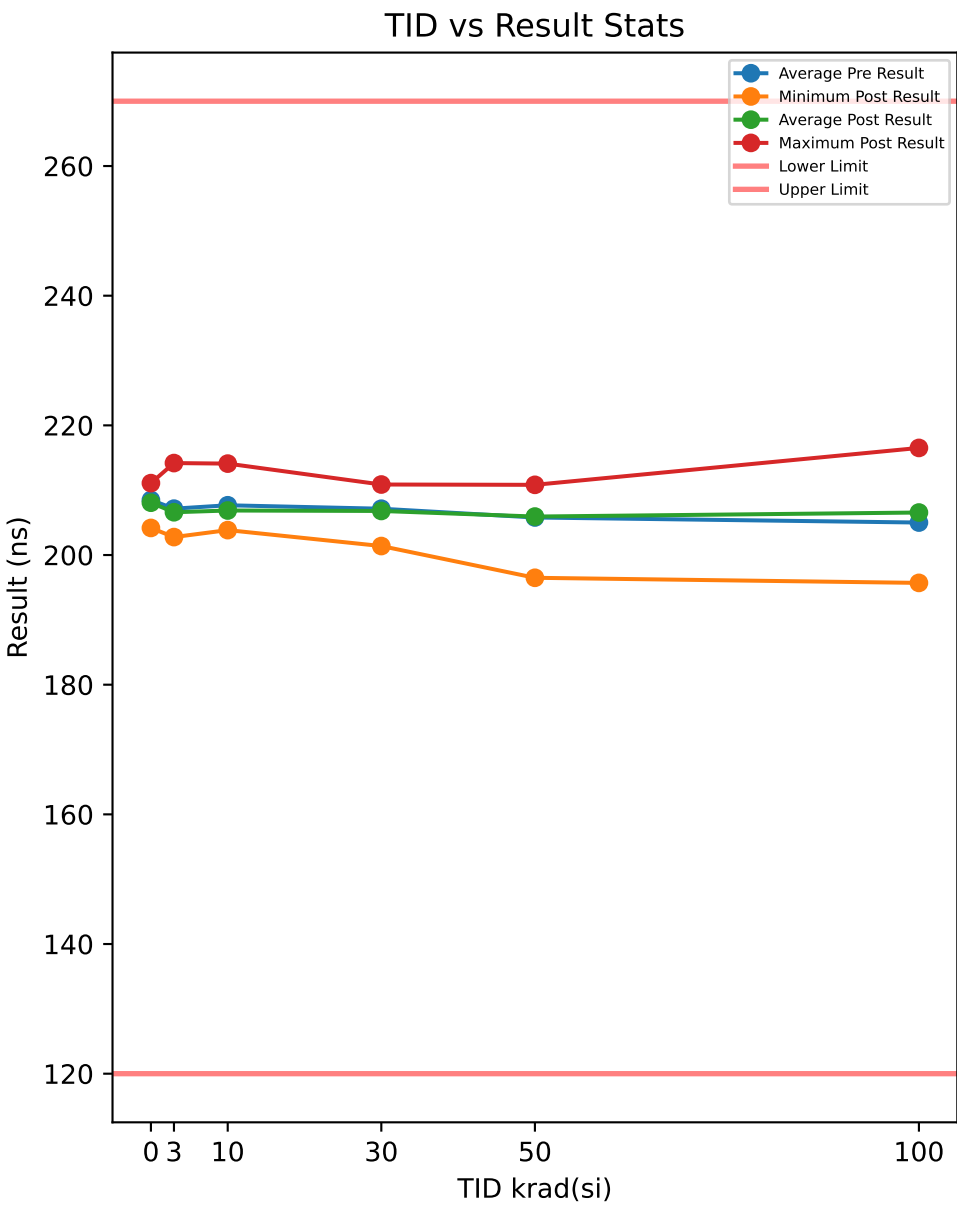
TID vs Post - Pre Exposure Delta



Test Statistics (kHz)

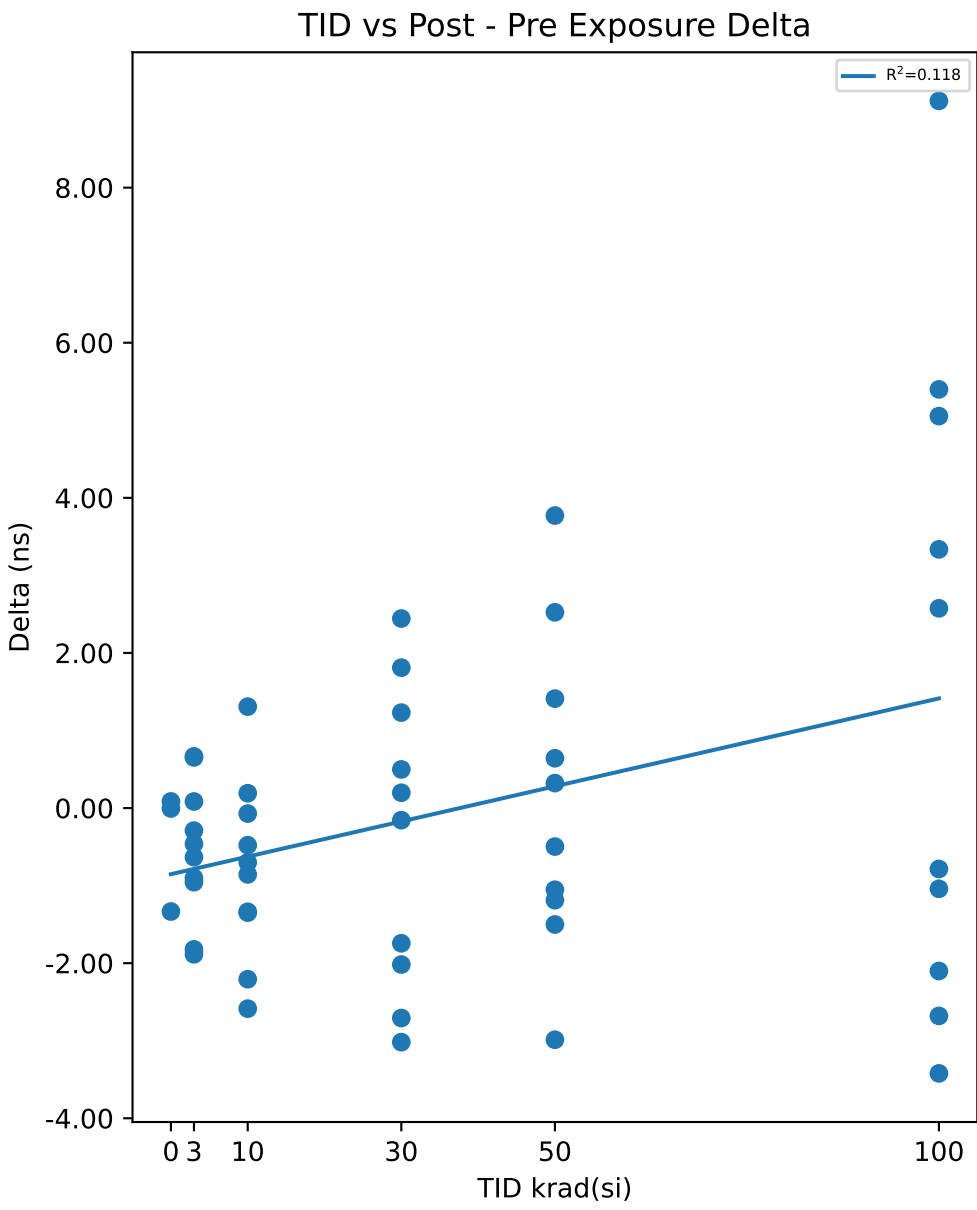
krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	100	100	100	0	100	100	100	0	0	0	0	0
3	100	100	100	0	100	100	100	0	0	0	0	0
10	100	100	100	0	100	100	100	0	0	0	0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



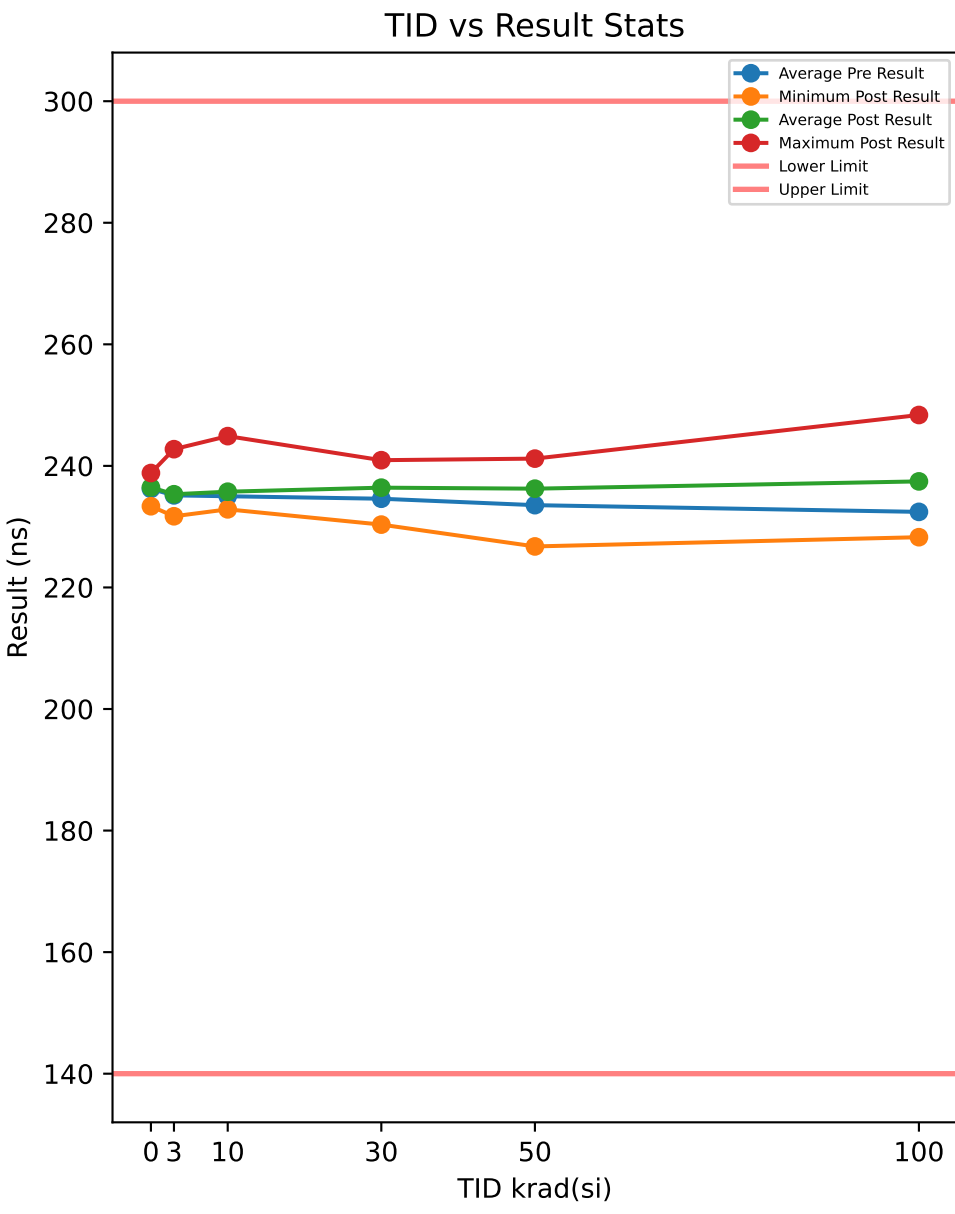
Test Results (Lower Limit = 120.0, Upper Limit = 270.0 (ns))

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



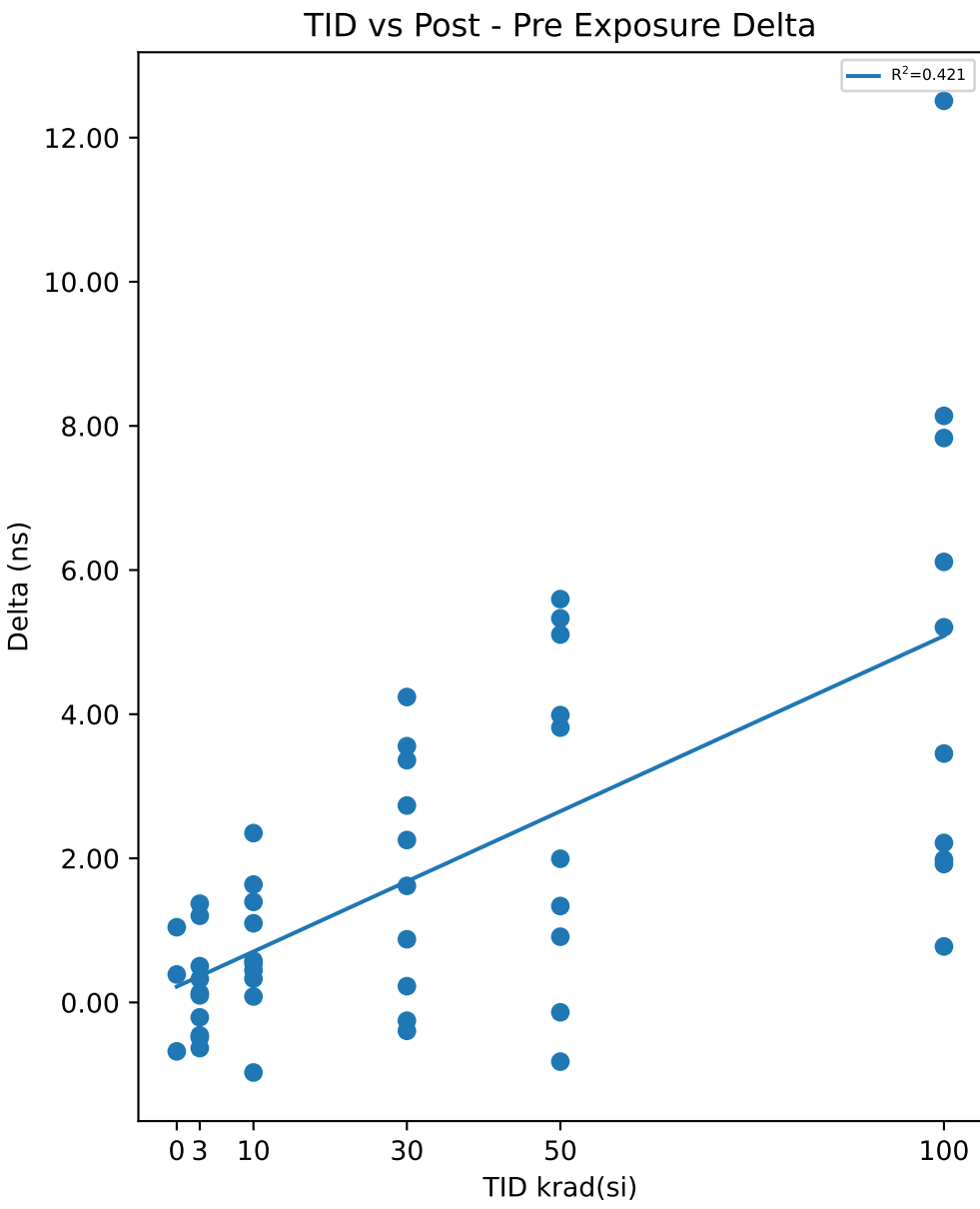
Test Statistics (ns)

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



Test Results (Lower Limit = 140.0, Upper Limit = 300.0 (ns))

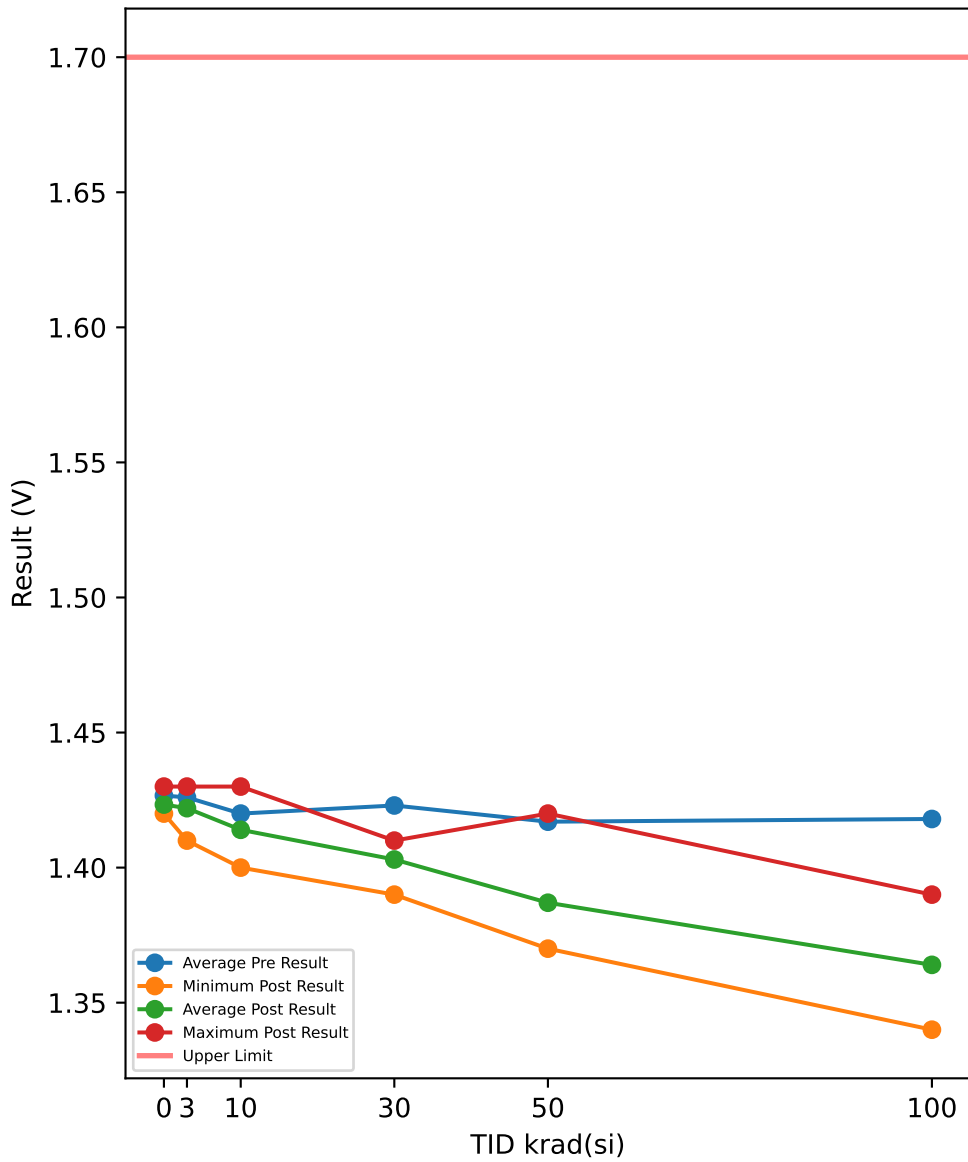
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
390	100	Biased	230.24	232.46	2.2141
392	100	Biased	231.32	239.46	8.1394
393	100	Biased	229.09	234.29	5.2058
394	100	Biased	230.69	236.81	6.1134
395	100	Biased	233.3	241.13	7.8318
412	100	Unbiased	235.63	237.61	1.983
413	100	Unbiased	226.35	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

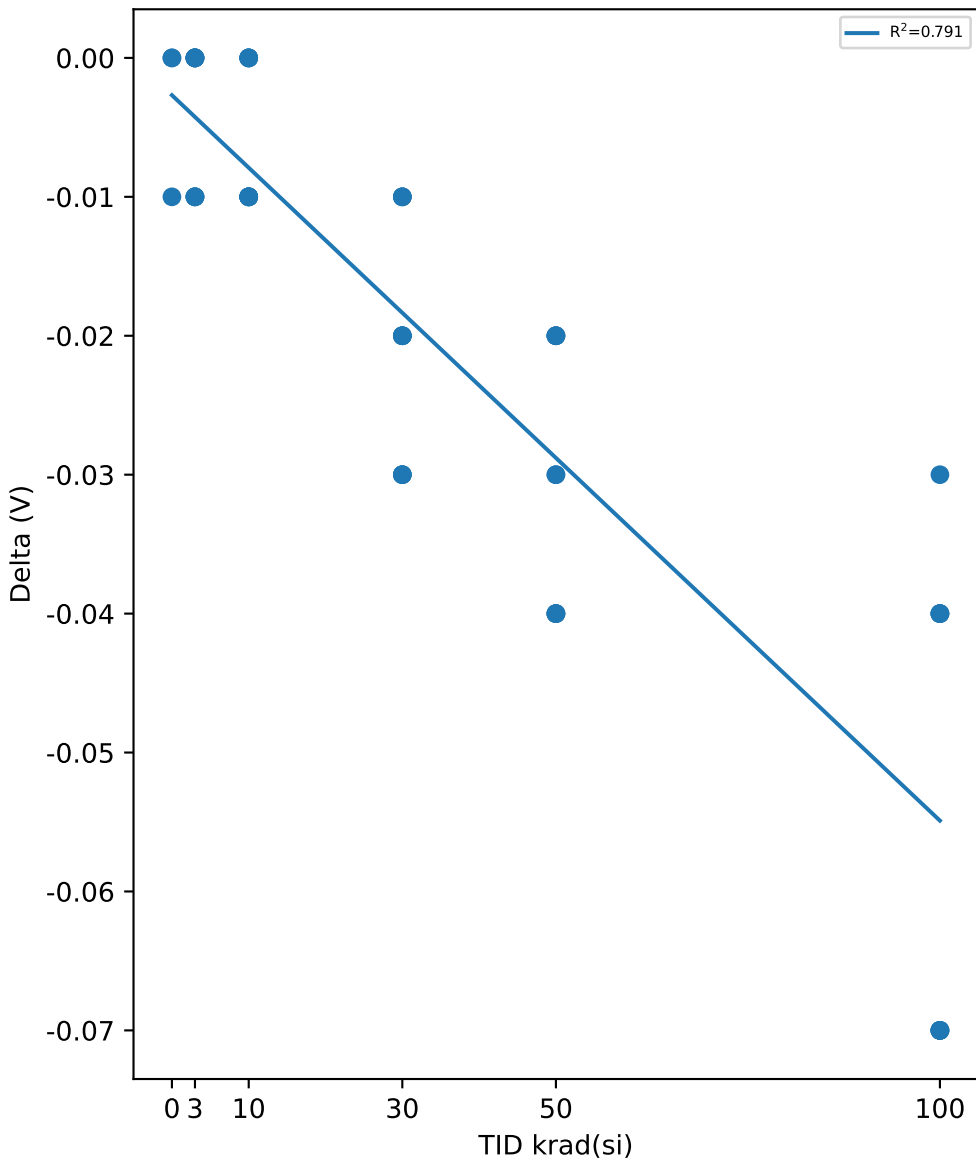
TID vs Result Stats



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

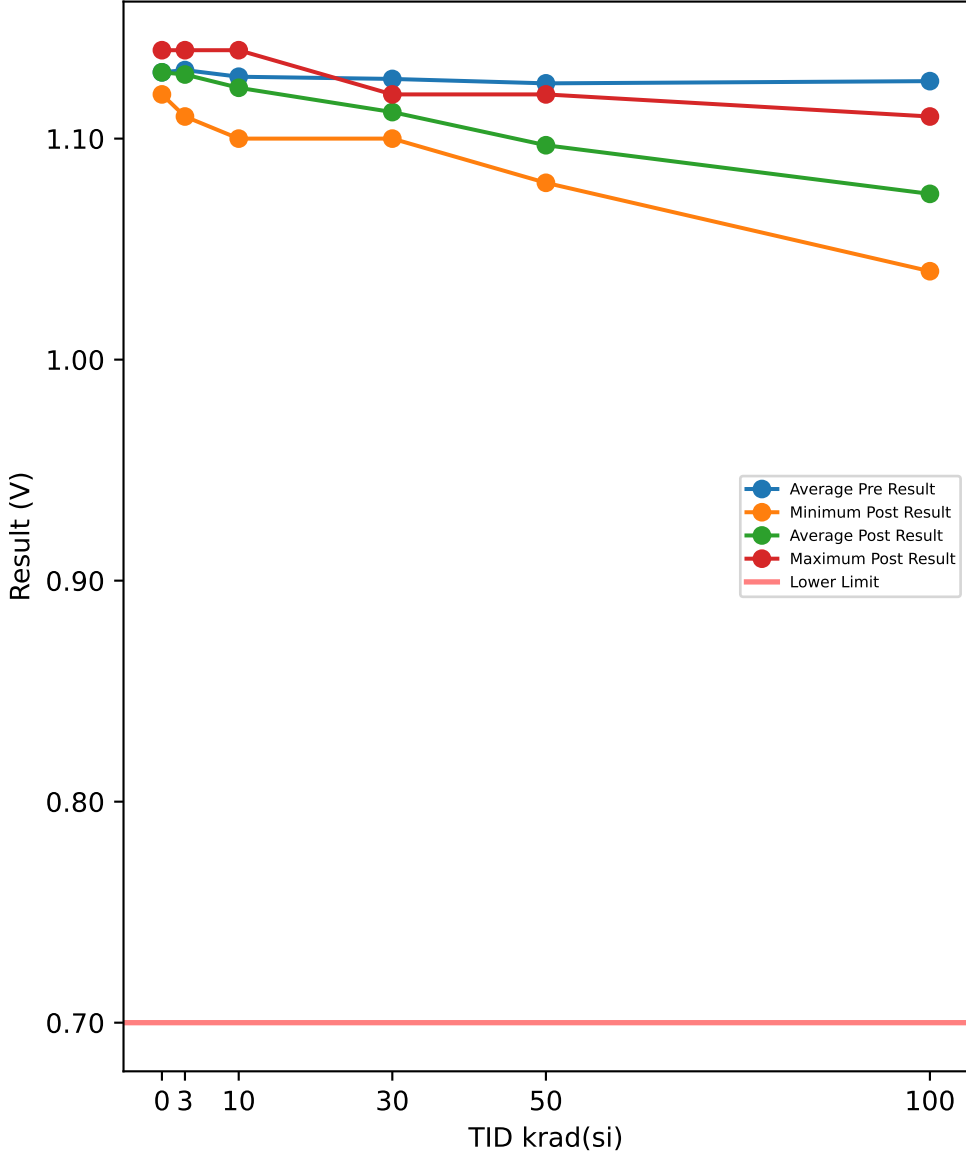
TID vs Post - Pre Exposure Delta



Test Statistics (V)

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	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

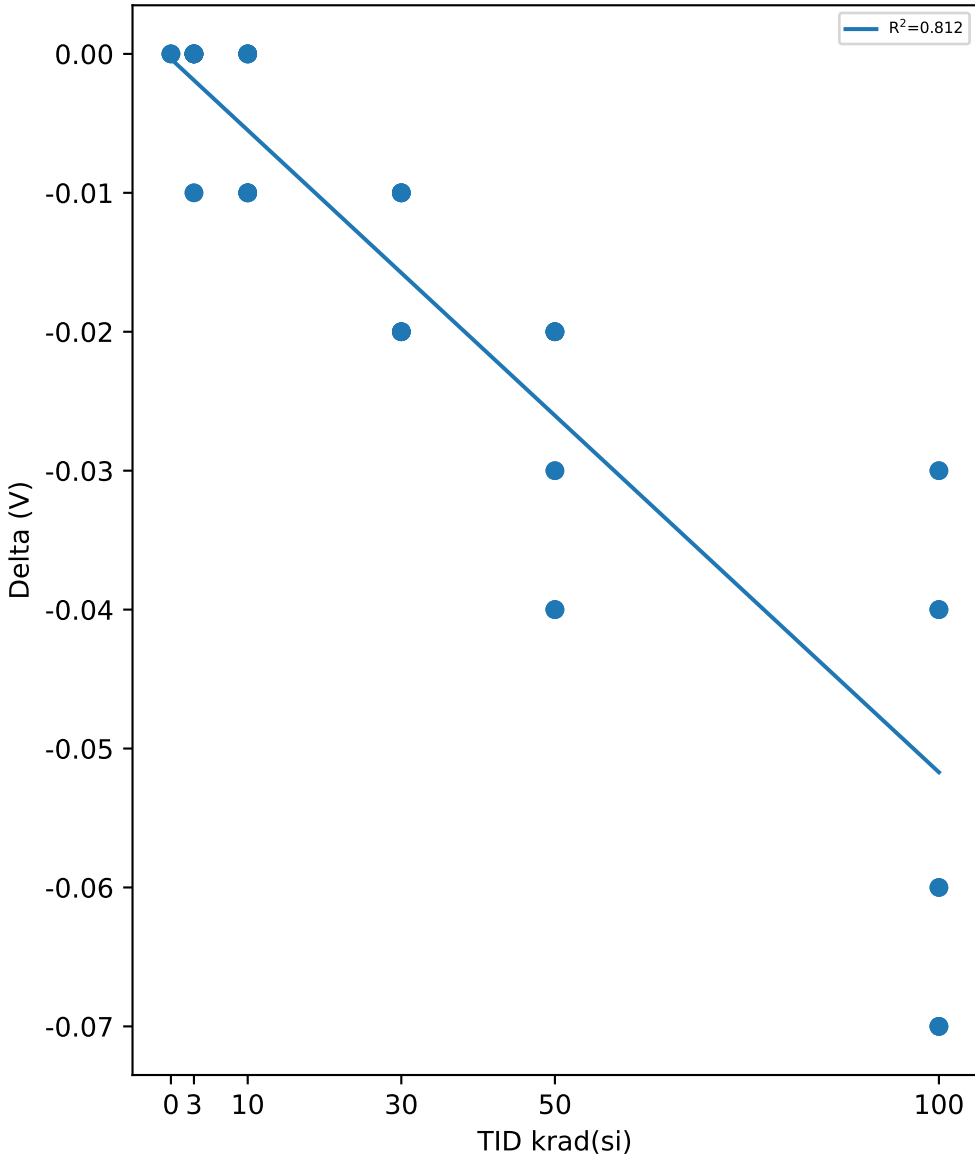
TID vs Result Stats



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

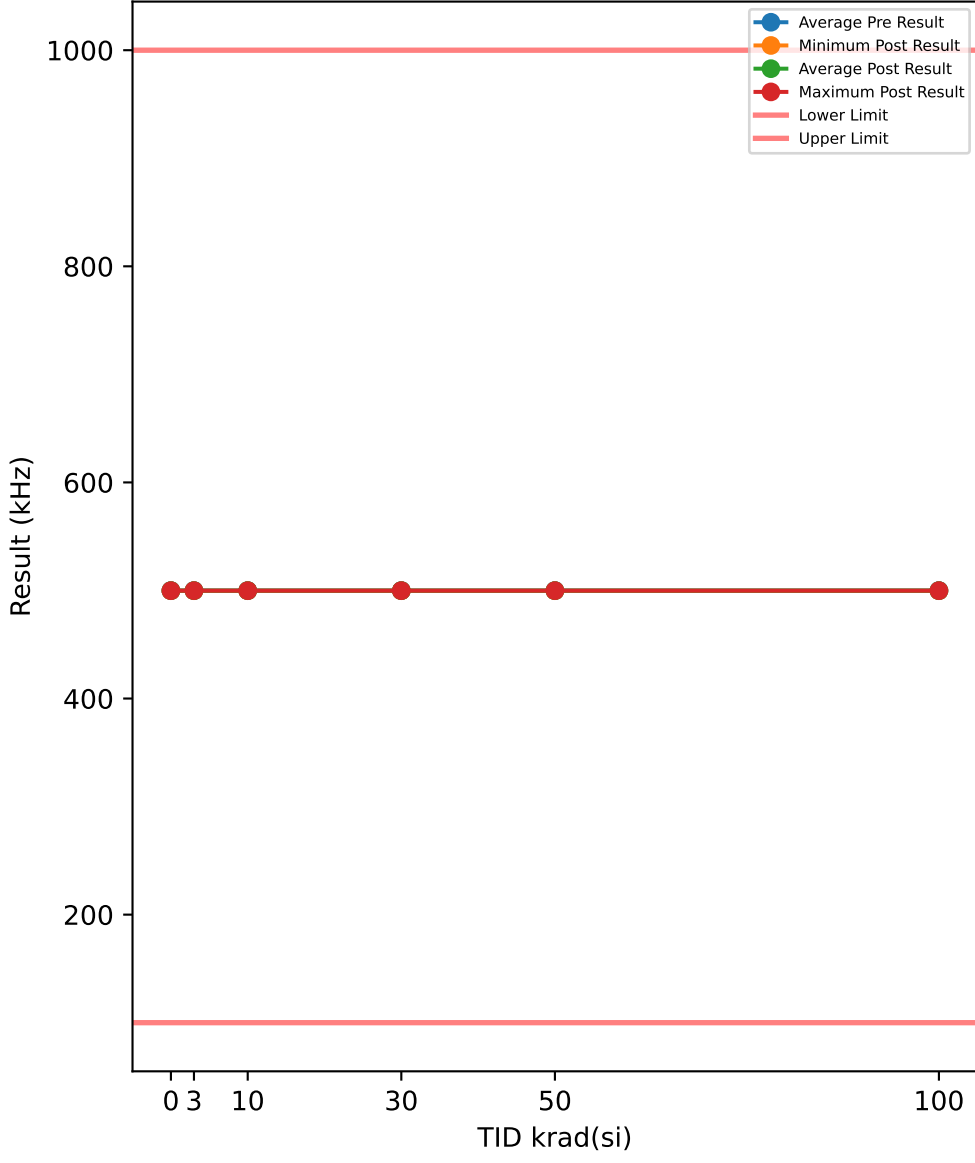
TID vs Post - Pre Exposure Delta



Test Statistics (V)

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	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

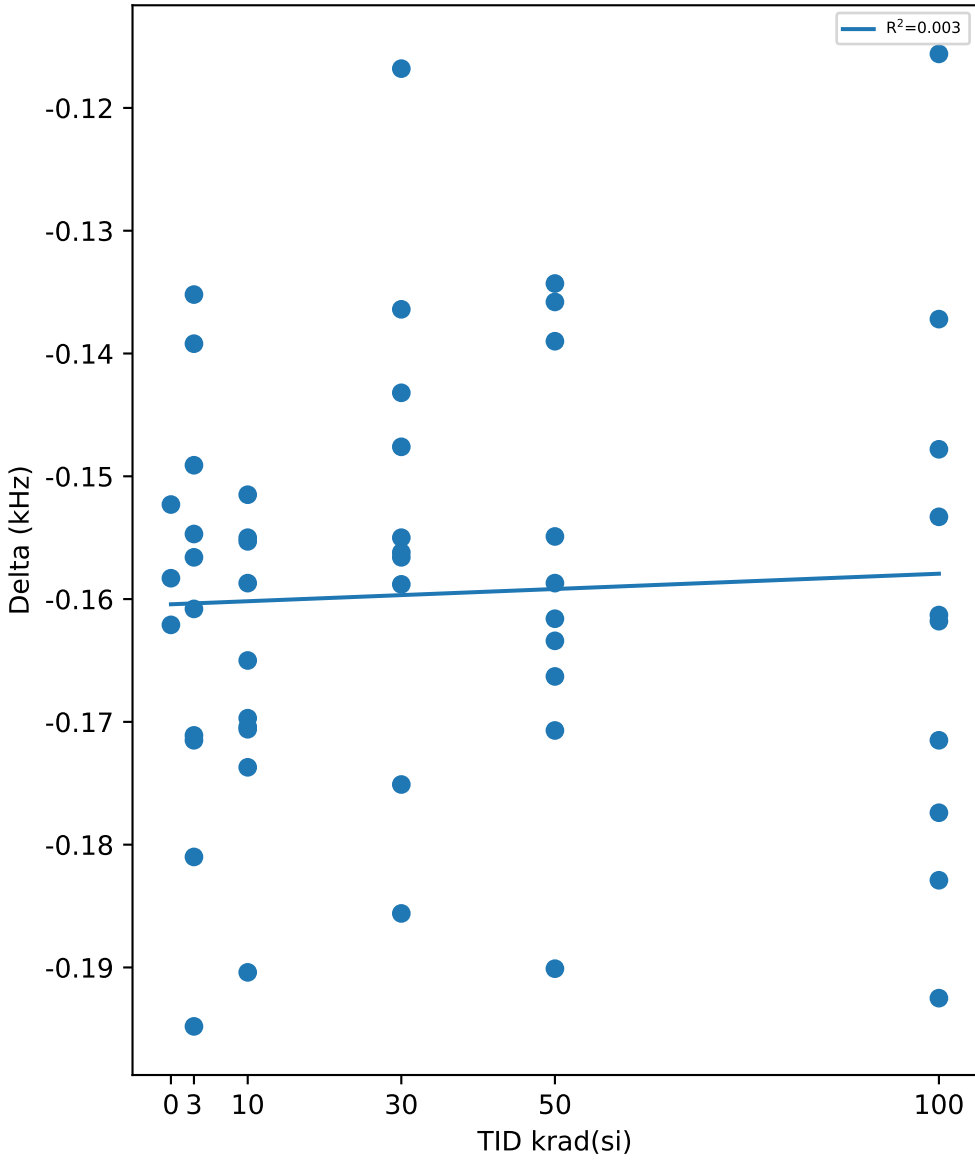
TID vs Result Stats



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

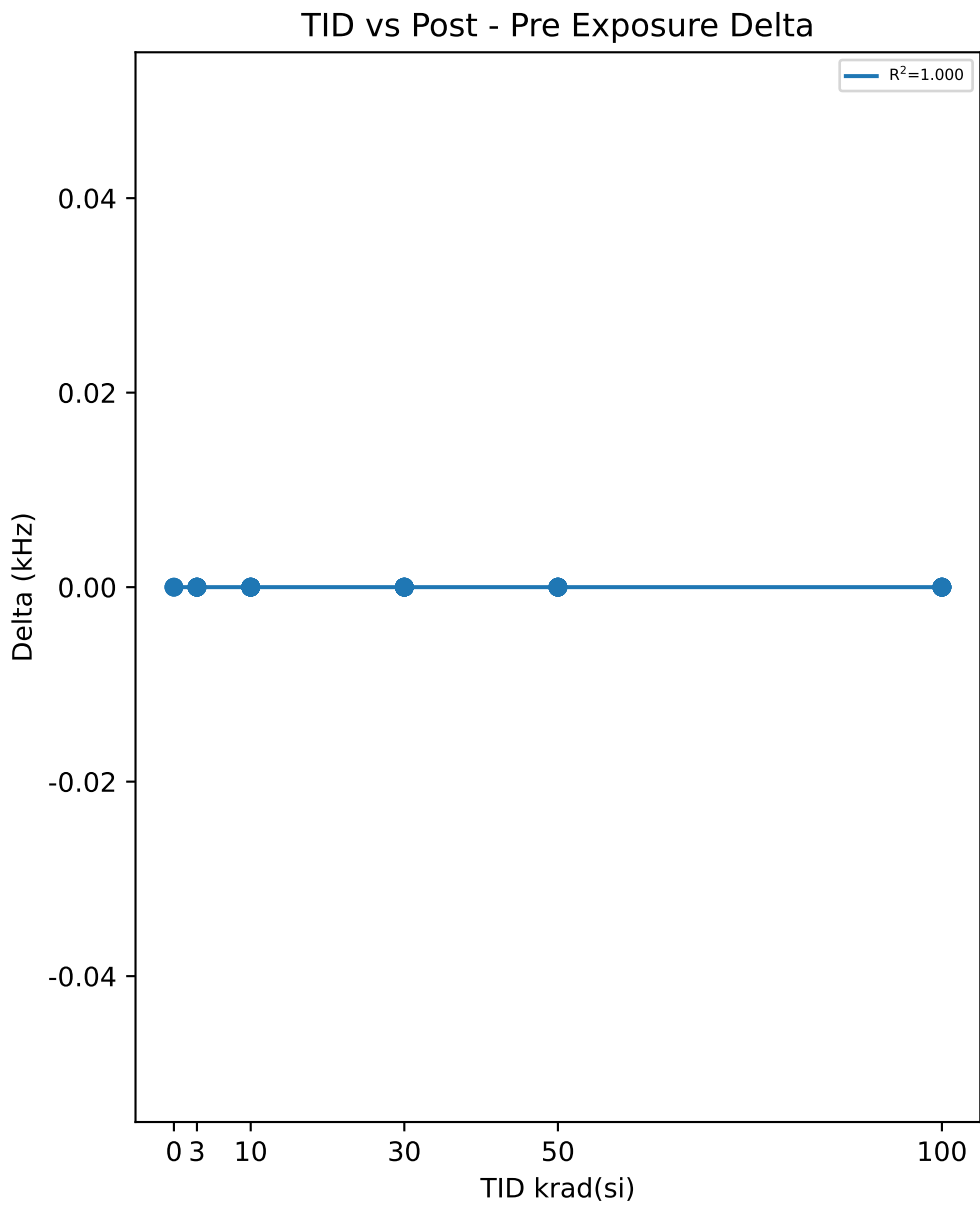
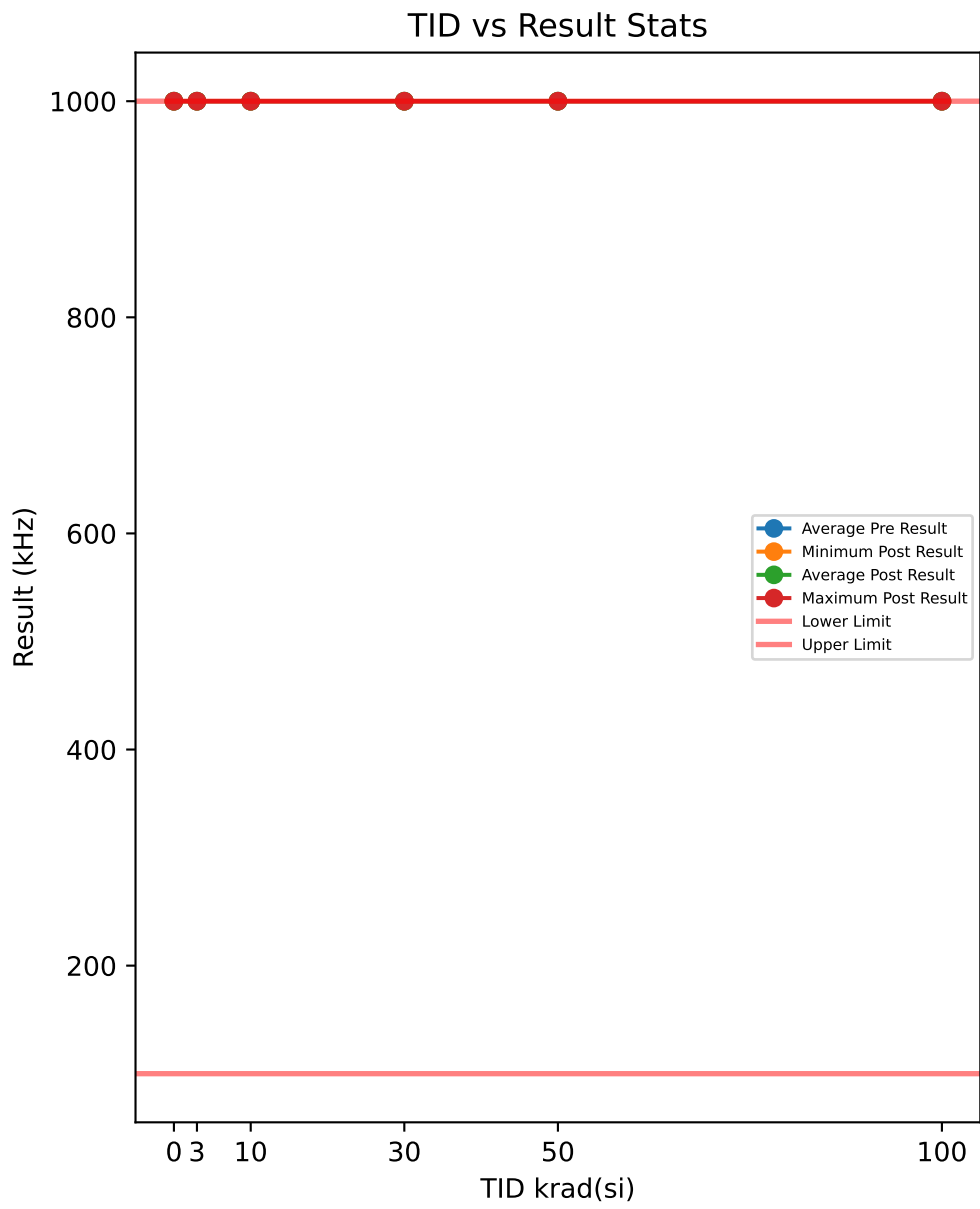
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
390	100	Biased	499.94	499.83	-0.1156
392	100	Biased	499.98	499.8	-0.1774
393	100	Biased	499.97	499.79	-0.1715
394	100	Biased	499.97	499.78	-0.1925
395	100	Biased	499.95	499.79	-0.1613
412	100	Unbiased	499.97	499.82	-0.1478
413	100	Unbiased	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

TID vs Post - Pre Exposure Delta



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



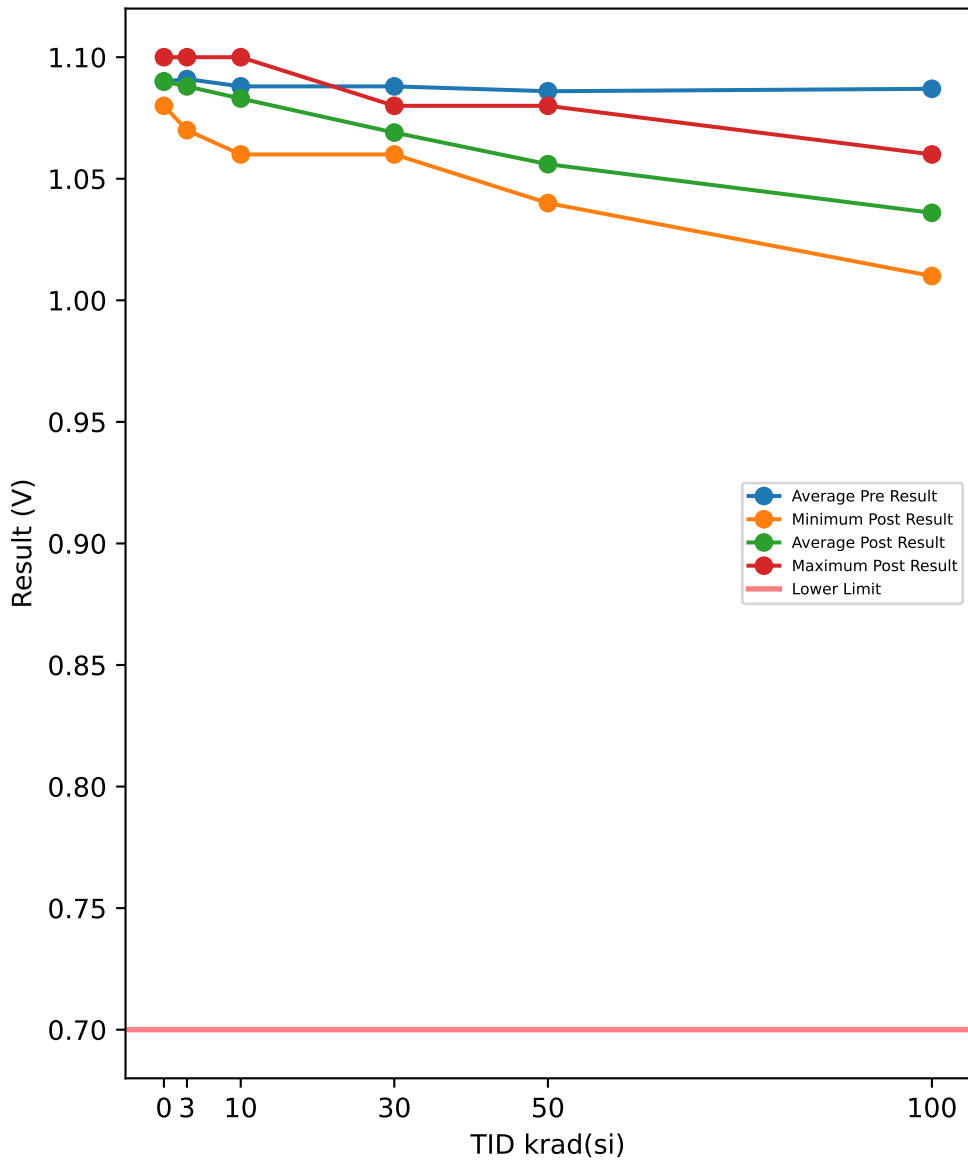
Test Results (Lower Limit = 100.0, Upper Limit = 1000.0 (kHz))

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

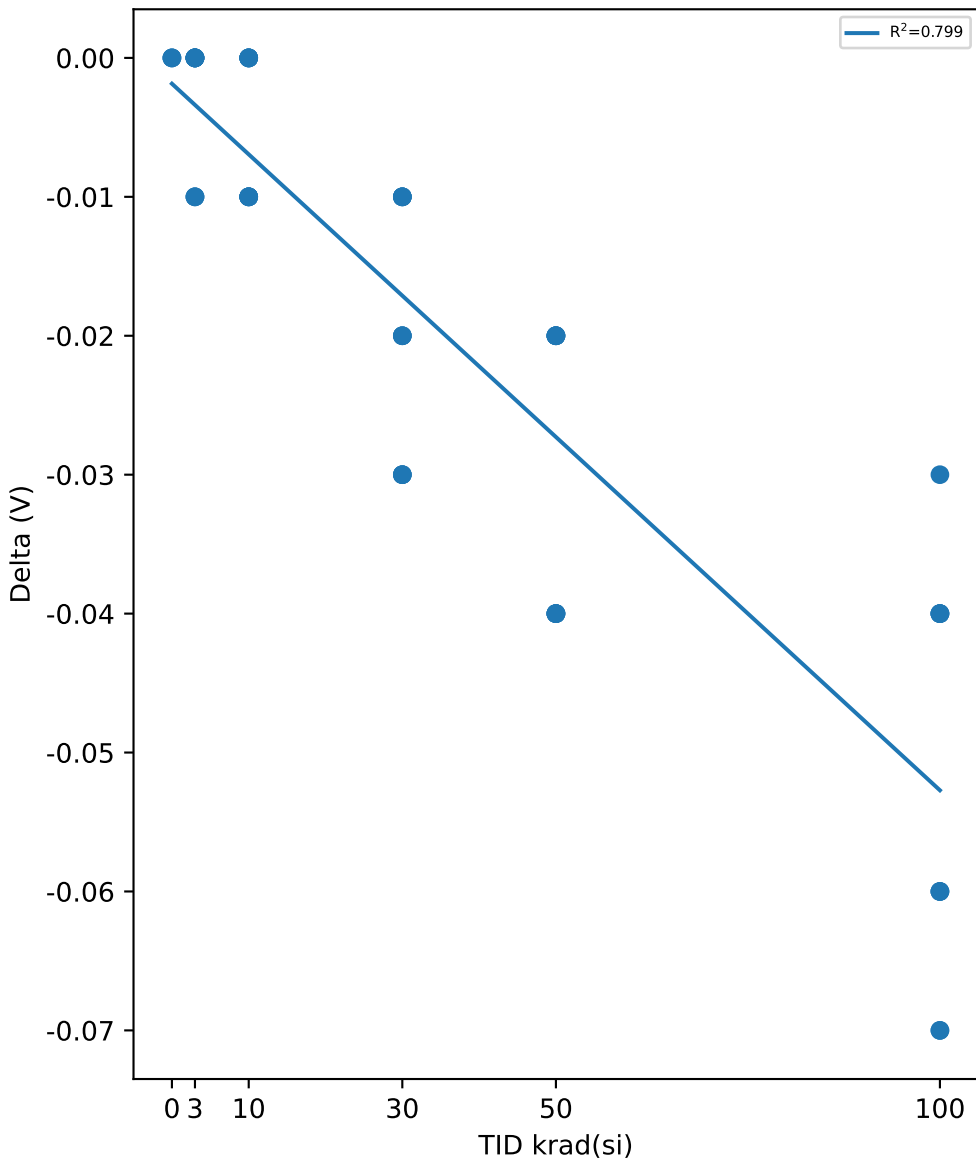
TID vs Result Stats



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

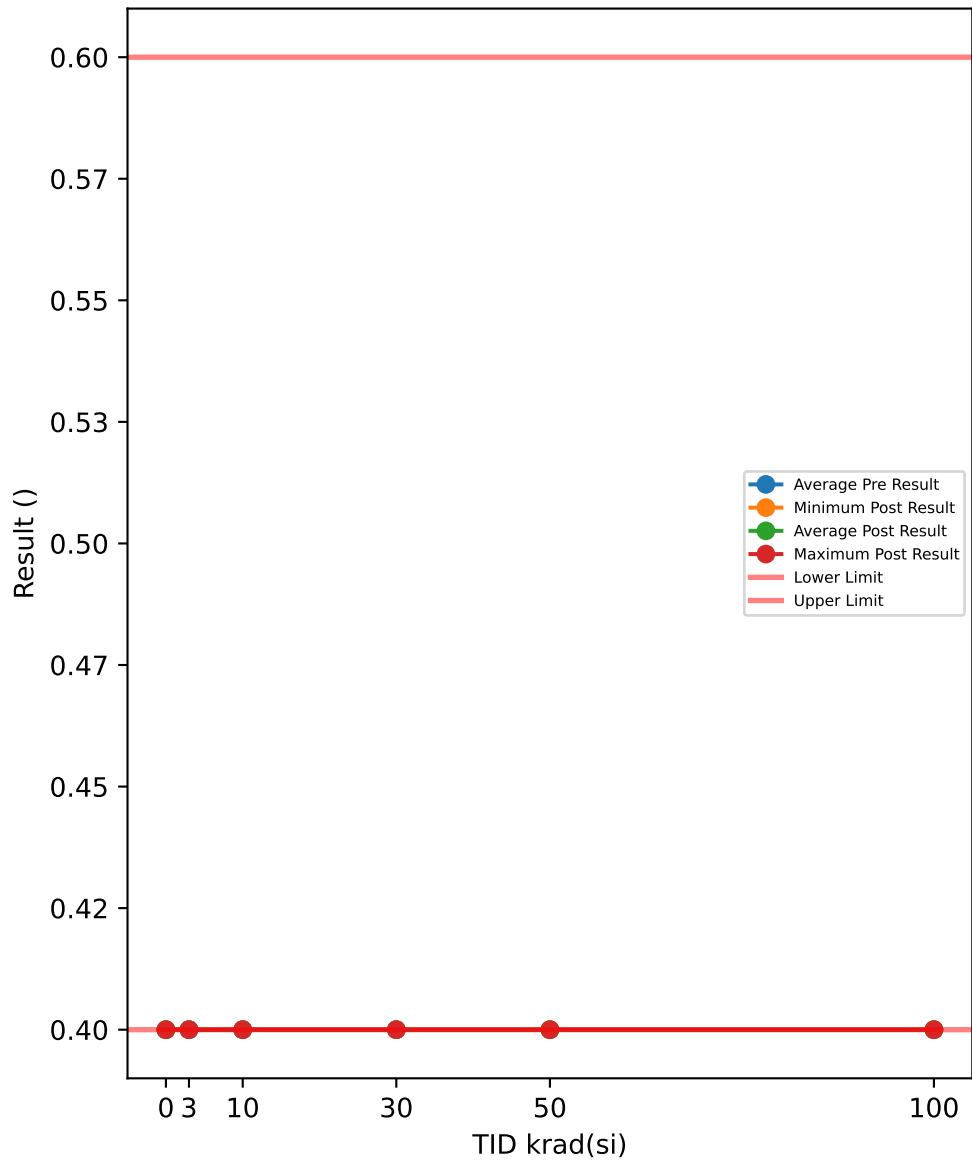
TID vs Post - Pre Exposure Delta



Test Statistics (V)

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	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

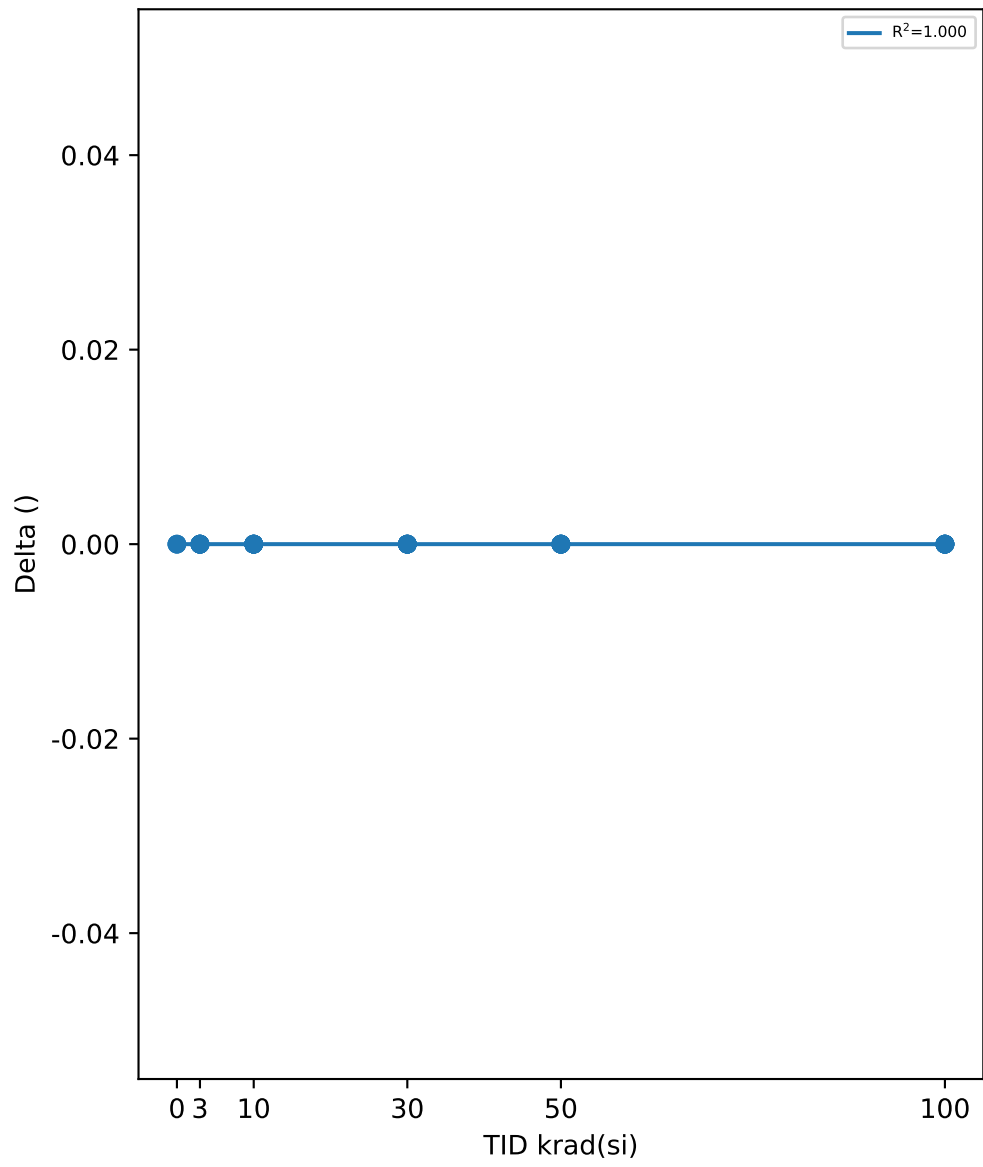
TID vs Result Stats



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

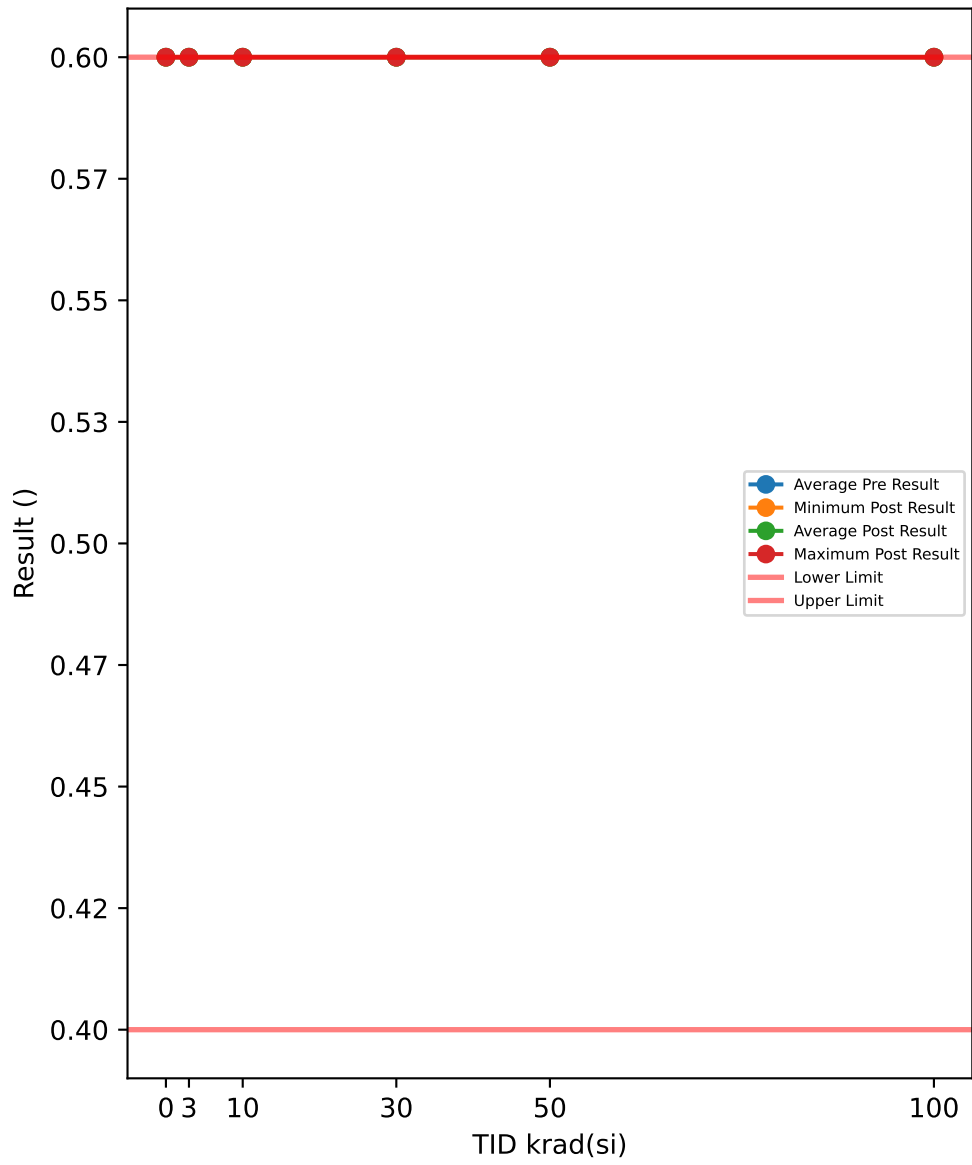
TID vs Post - Pre Exposure Delta



Test Statistics ()

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	0.4	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

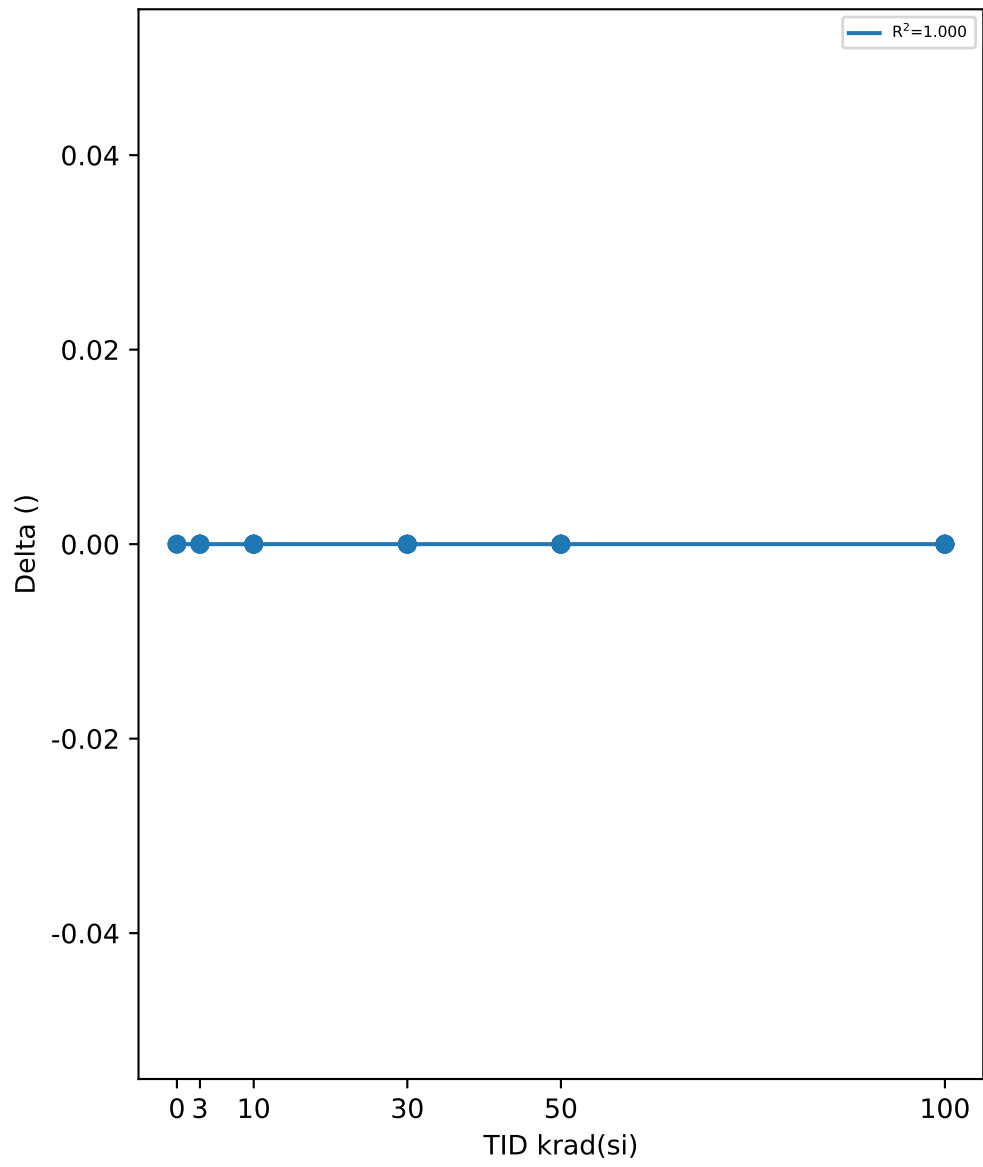
TID vs Result Stats



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

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

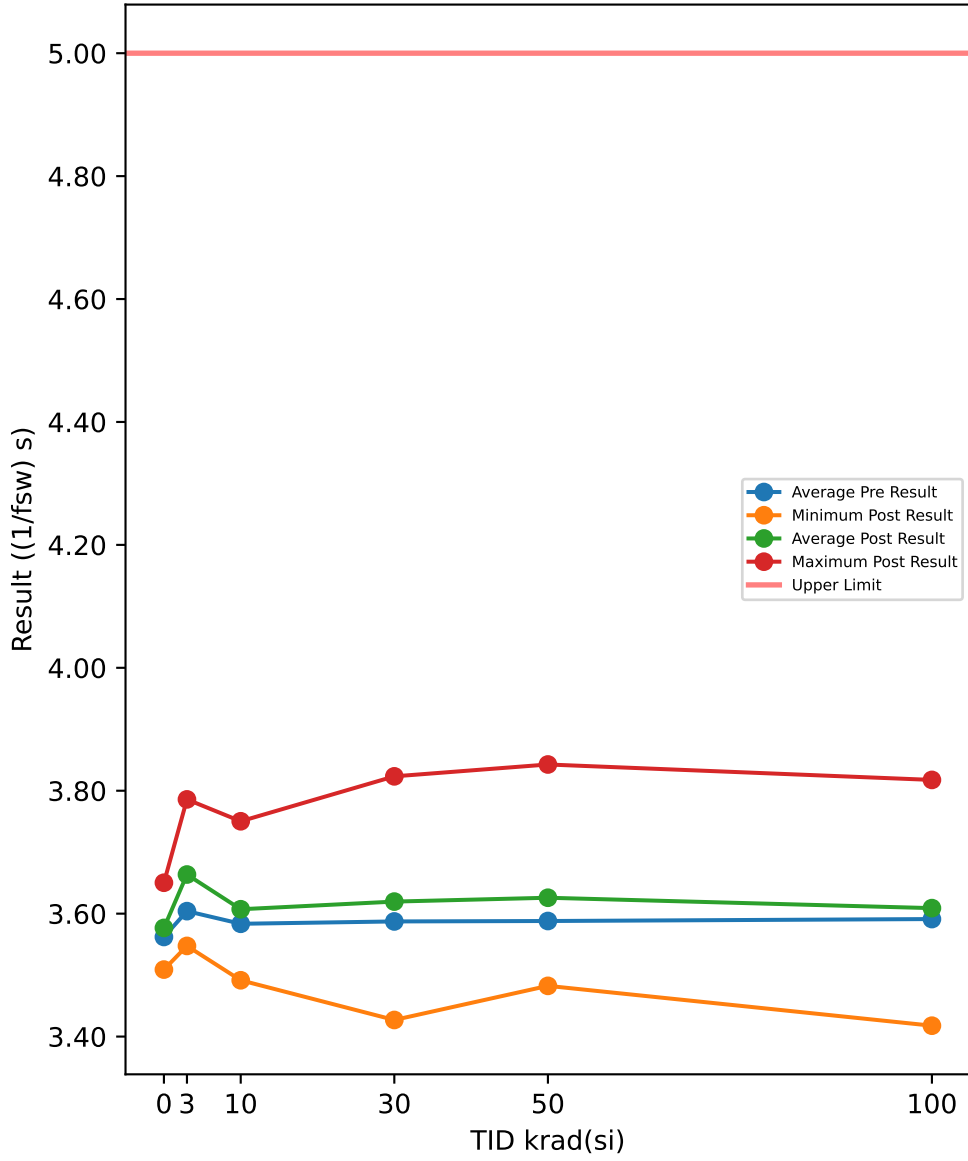
TID vs Post - Pre Exposure Delta



Test Statistics (s)

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	0.6	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

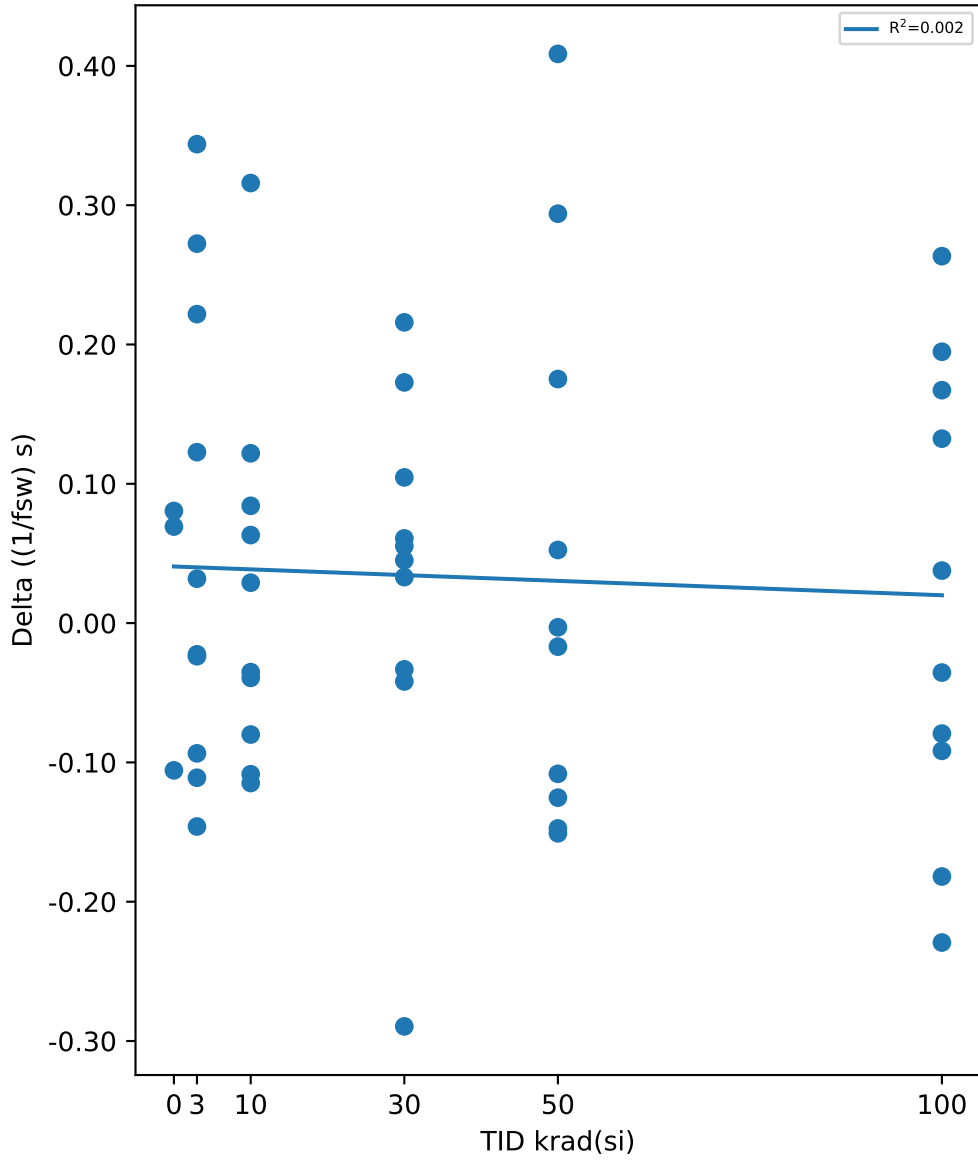
TID vs Result Stats



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

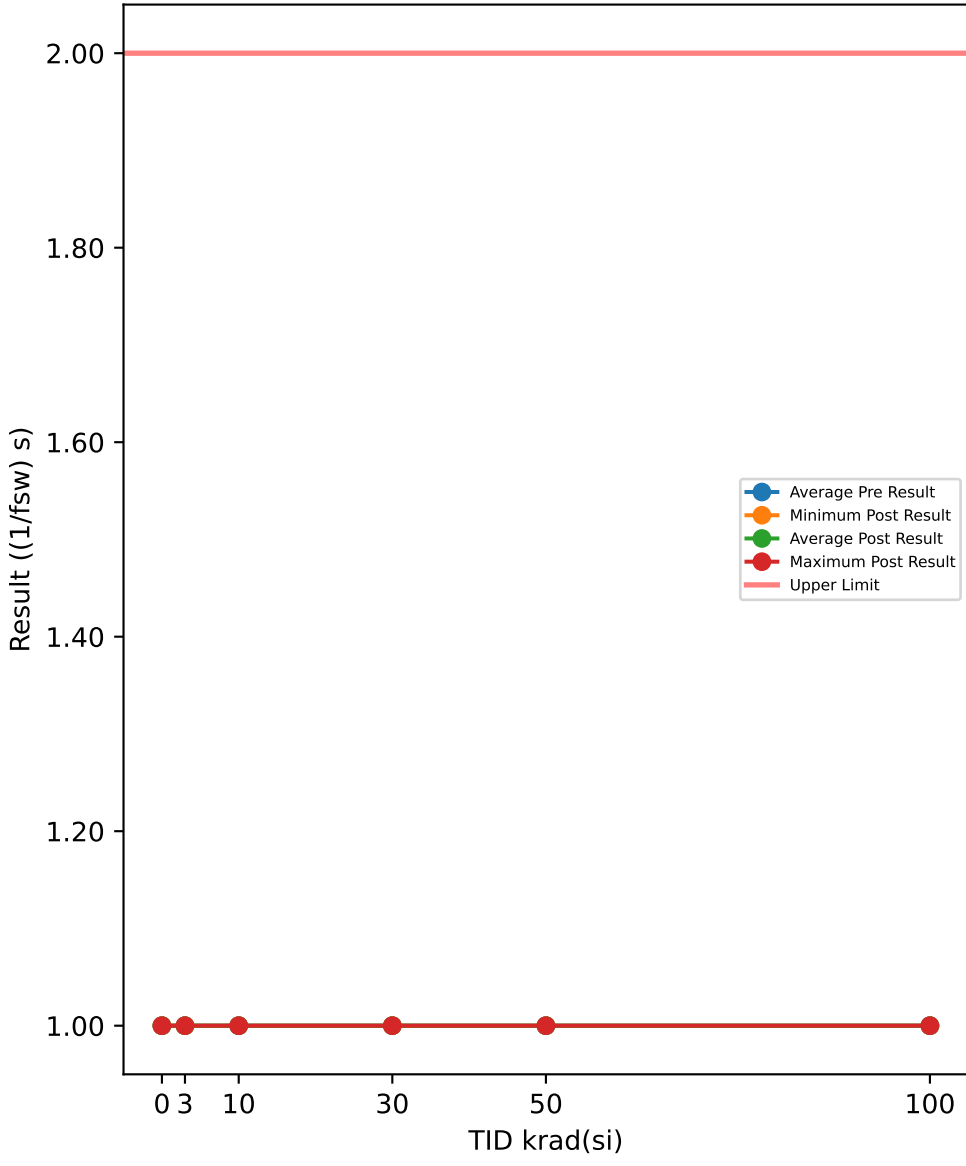
TID vs Post - Pre Exposure Delta



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

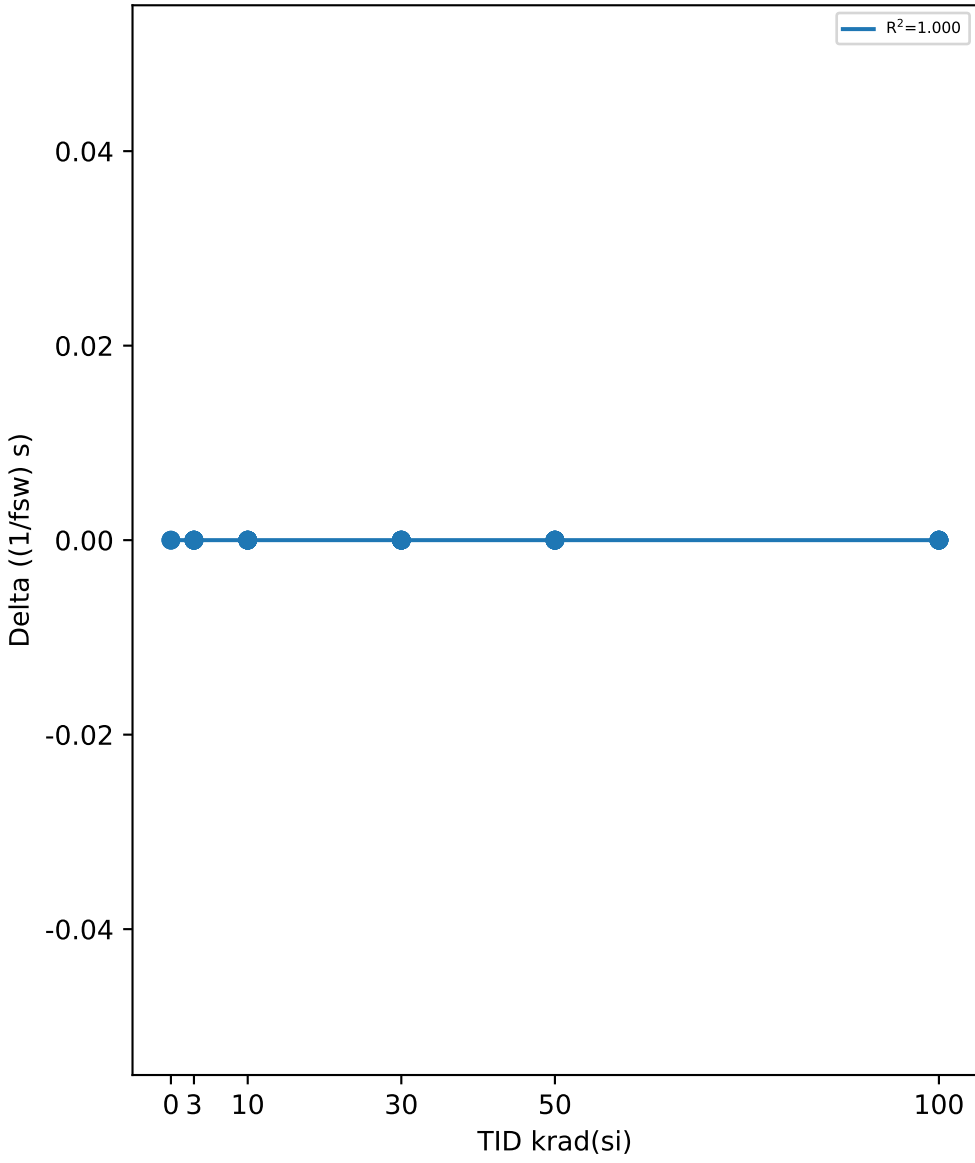
TID vs Result Stats



Test Results (Upper Limit = 2.0 ((1/fsw) s))

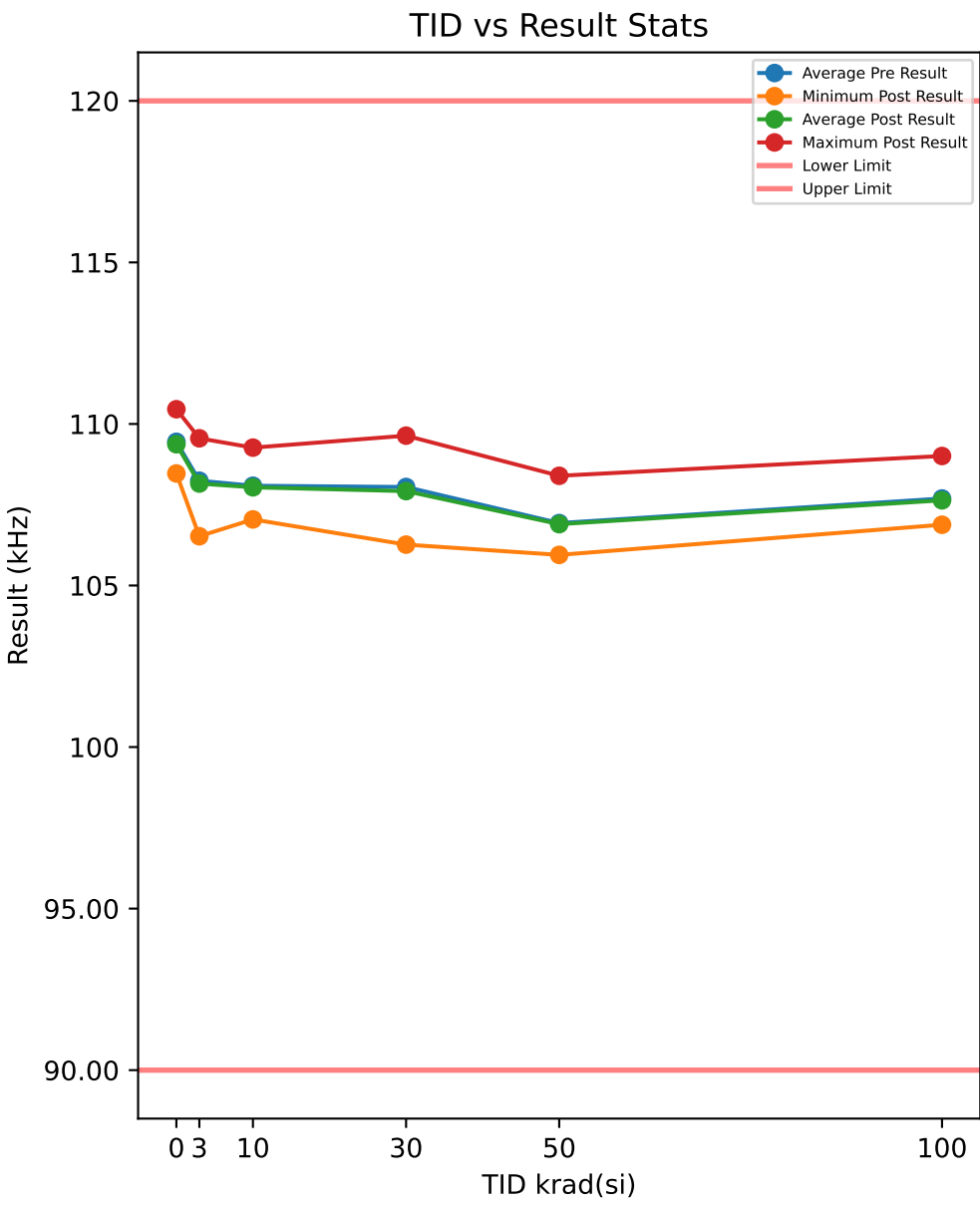
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
390	100	Biased	1	1	0
392	100	Biased	1	1	0
393	100	Biased	1	1	0
394	100	Biased	1	1	0
395	100	Biased	1	1	0
412	100	Unbiased	1	1	0
413	100	Unbiased	1	1	0
414	100	Unbiased	1	1	0
415	100	Unbiased	1	1	0
416	100	Unbiased	1	1	0
417	50	Biased	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

TID vs Post - Pre Exposure Delta



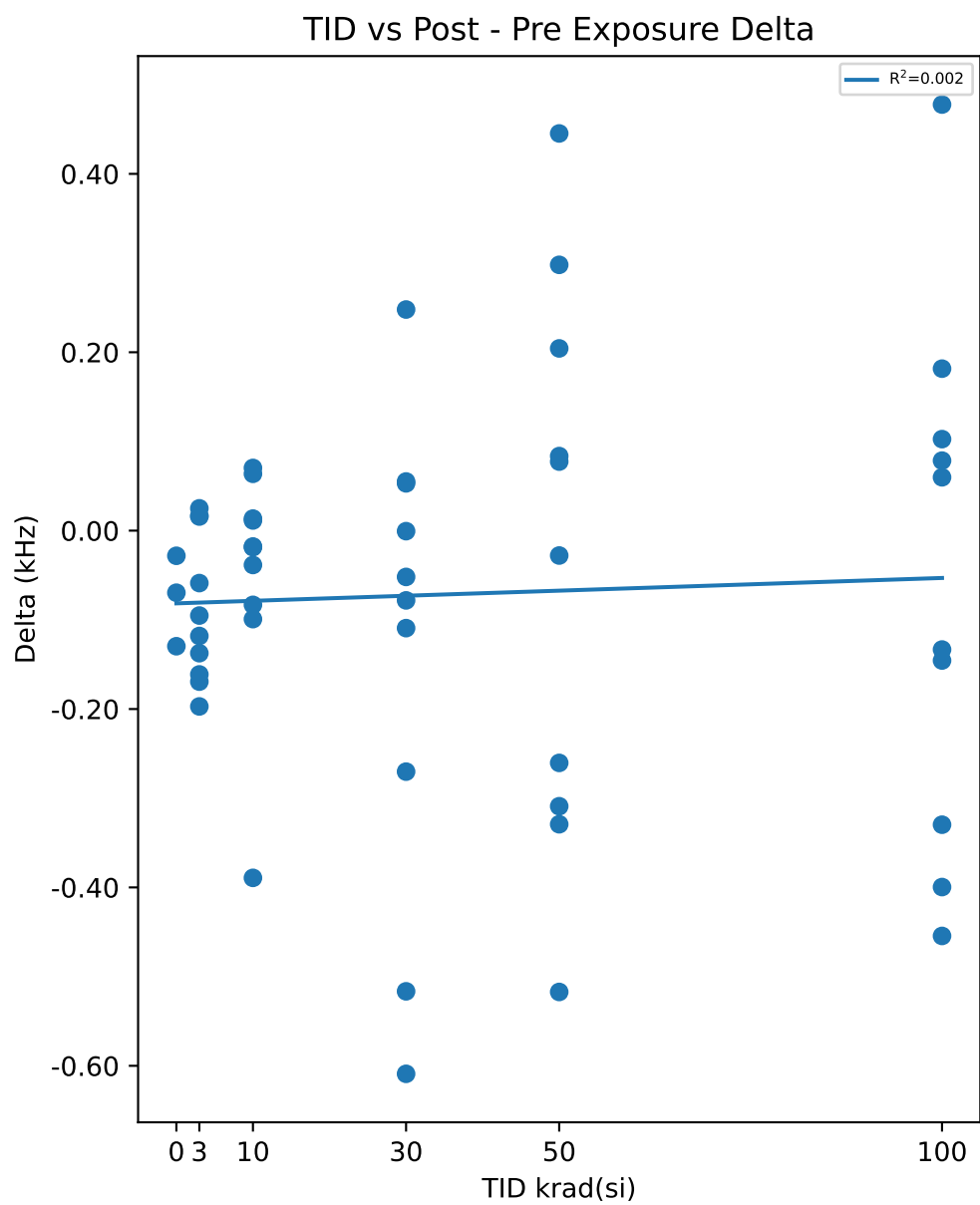
Test Statistics ((1/fsw) s)

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



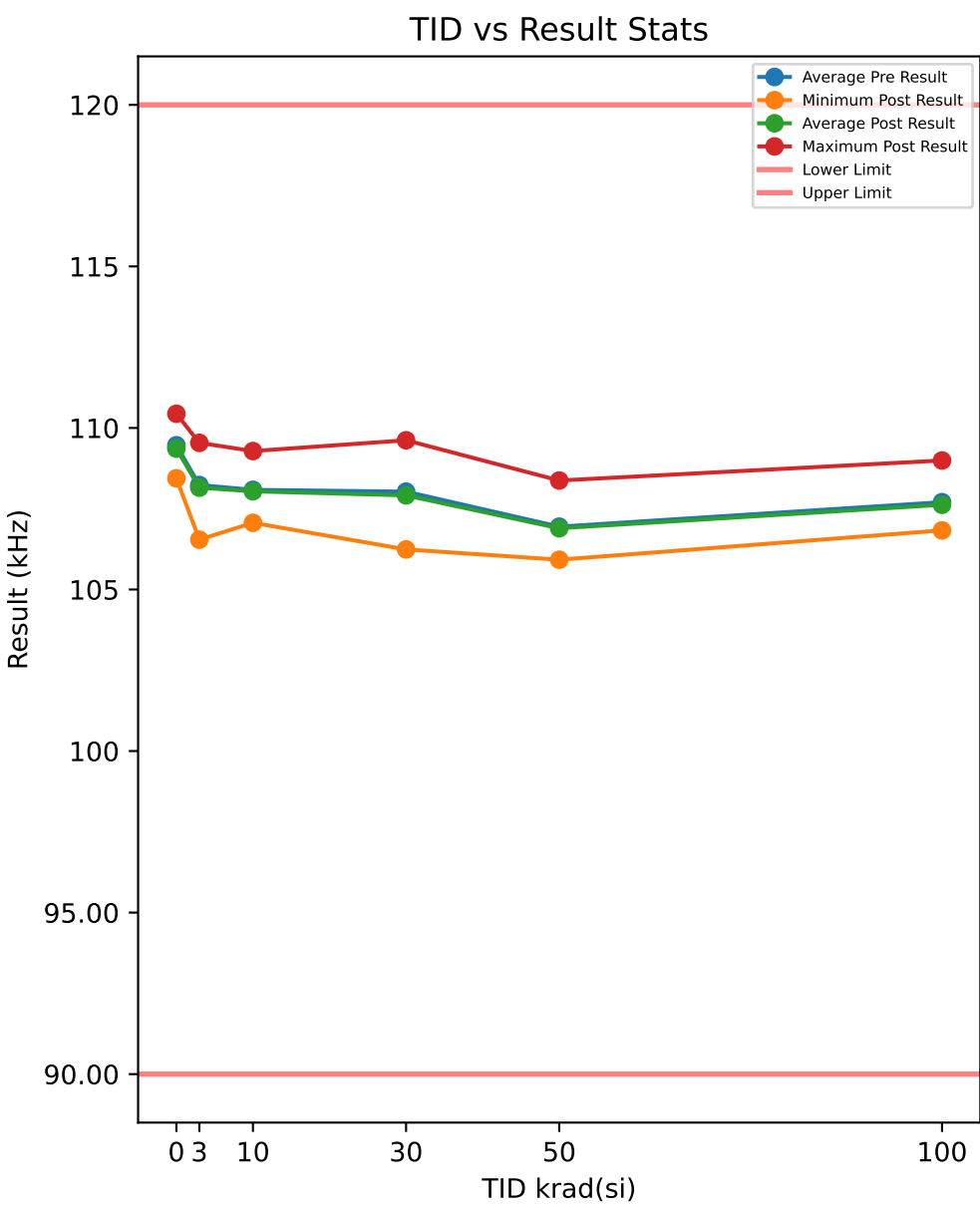
Test Results (Lower Limit = 90.0, Upper Limit = 120.0 (kHz))

Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
390	100	Biased	109.41	109.01	-0.3996
392	100	Biased	107.72	107.9	0.1816
393	100	Biased	107.53	107.4	-0.1333
394	100	Biased	107.98	107.84	-0.1456
395	100	Biased	106.85	106.93	0.0785
412	100	Unbiased	107.88	107.94	0.0598
413	100	Unbiased	108.33	108	-0.3297
414	100	Unbiased	106.95	107.06	0.1026
415	100	Unbiased	106.4	106.88	0.4777
416	100	Unbiased	107.86	107.4	-0.4544
417	50	Biased	106.73	106.43	-0.309
418	50	Biased	106.21	105.95	-0.2604
419	50	Biased	106.72	107.17	0.4453
421	50	Biased	106.65	106.32	-0.3292
422	50	Biased	108.32	108.4	0.0774
423	50	Unbiased	107.56	107.05	-0.5172
424	50	Unbiased	107.19	107.39	0.2043
425	50	Unbiased	106.35	106.43	0.0836
426	50	Unbiased	106.73	107.03	0.298
427	50	Unbiased	106.86	106.83	-0.0279
463	0	Corr	109.26	109.19	-0.0696
464	0	Corr	108.5	108.47	-0.0282
465	0	Corr	110.59	110.46	-0.1296
466	30	Biased	106.78	106.27	-0.5165
469	30	Biased	109.64	109.64	-0.0006
470	30	Biased	107.97	107.92	-0.0519
472	30	Biased	107.55	107.6	0.0551
474	30	Biased	107.23	107.15	-0.0782
475	30	Unbiased	108.13	107.86	-0.2702
477	30	Unbiased	107.74	107.13	-0.609
478	30	Unbiased	108.31	108.56	0.2479
479	30	Unbiased	109.15	109.21	0.053
480	30	Unbiased	107.99	107.88	-0.1093
481	10	Biased	107.43	107.44	0.0114
482	10	Biased	109.37	109.27	-0.0992
483	10	Biased	107.06	107.05	-0.0178
484	10	Biased	108.8	108.87	0.0637
485	10	Biased	107.75	107.71	-0.0385
487	10	Unbiased	108.18	108.19	0.0135
488	10	Unbiased	108.16	108.23	0.0703
489	10	Unbiased	107.76	107.67	-0.0832
490	10	Unbiased	107.46	107.44	-0.0186
491	10	Unbiased	108.91	108.52	-0.3893
492	3	Biased	107.82	107.62	-0.1971
493	3	Biased	108.36	108.3	-0.0588
494	3	Biased	109.14	109.04	-0.0952
495	3	Biased	107.28	107.11	-0.1693
496	3	Biased	108.94	108.96	0.0158
497	3	Unbiased	108.78	108.8	0.025
498	3	Unbiased	107.53	107.37	-0.1612
499	3	Unbiased	108.4	108.28	-0.1181
500	3	Unbiased	106.66	106.52	-0.1374
502	3	Unbiased	109.54	109.56	0.0167



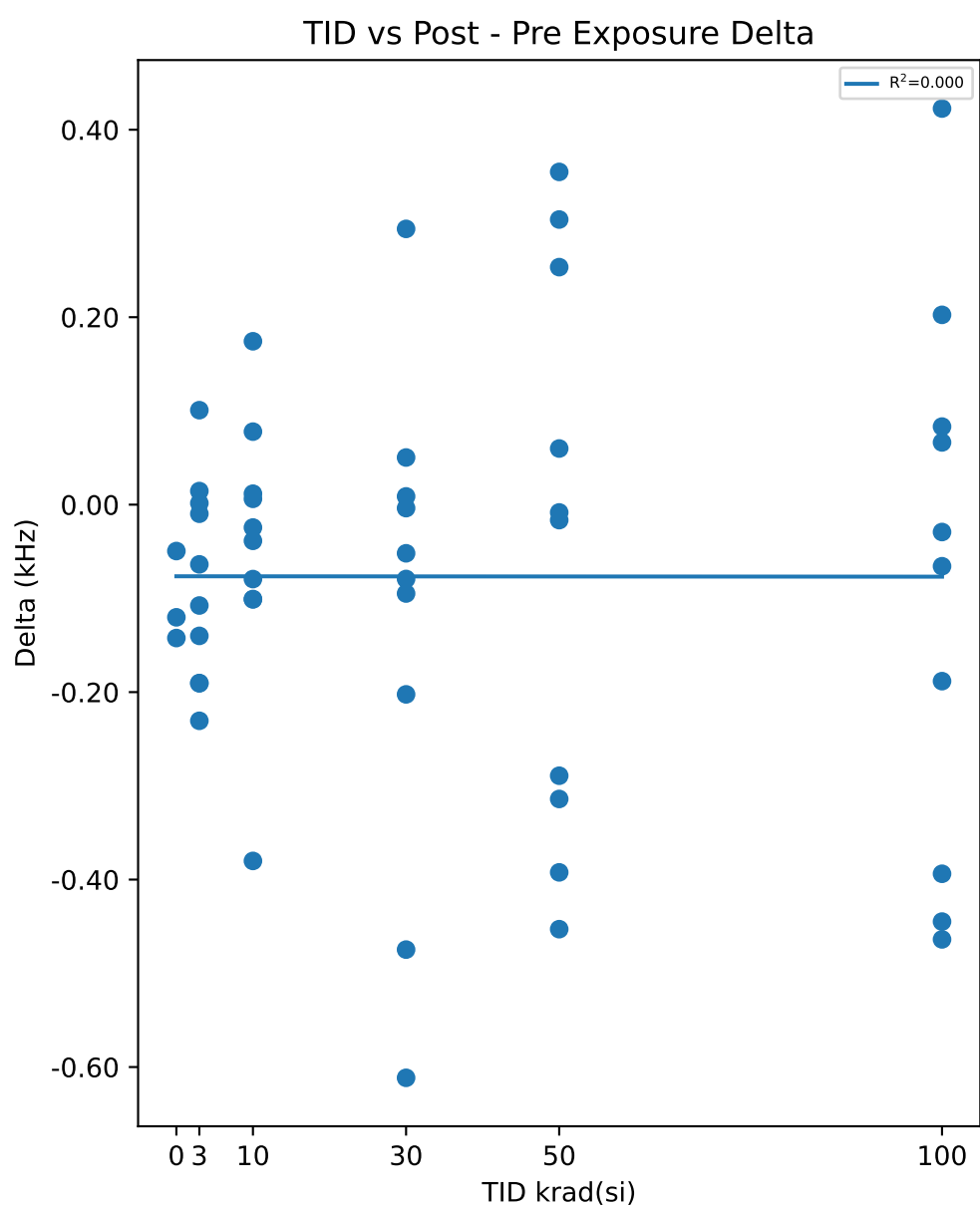
Test Statistics (kHz)

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	108.5	109.45	110.59	1.0572	108.47	109.37	110.46	1.0063	-0.1296	-0.0758	-0.0282	0.050984
3	106.66	108.24	109.54	0.90736	106.52	108.16	109.56	0.97207	-0.1971	-0.08796	0.025	0.083418
10	107.06	108.09	109.37	0.74016	107.05	108.04	109.27	0.70097	-0.3893	-0.04877	0.0703	0.13165
30	106.78	108.05	109.64	0.84697	106.27	107.92	109.64	1.004	-0.609	-0.12797	0.2479	0.26561
50	106.21	106.93	108.32	0.62021	105.95	106.9	108.4	0.68956	-0.5172	-0.03351	0.4453	0.31101
100	106.4	107.69	109.41	0.84567	106.88	107.64	109.01	0.64424	-0.4544	-0.05624	0.4777	0.29129



Test Results (Lower Limit = 90.0, Upper Limit = 120.0 (kHz))

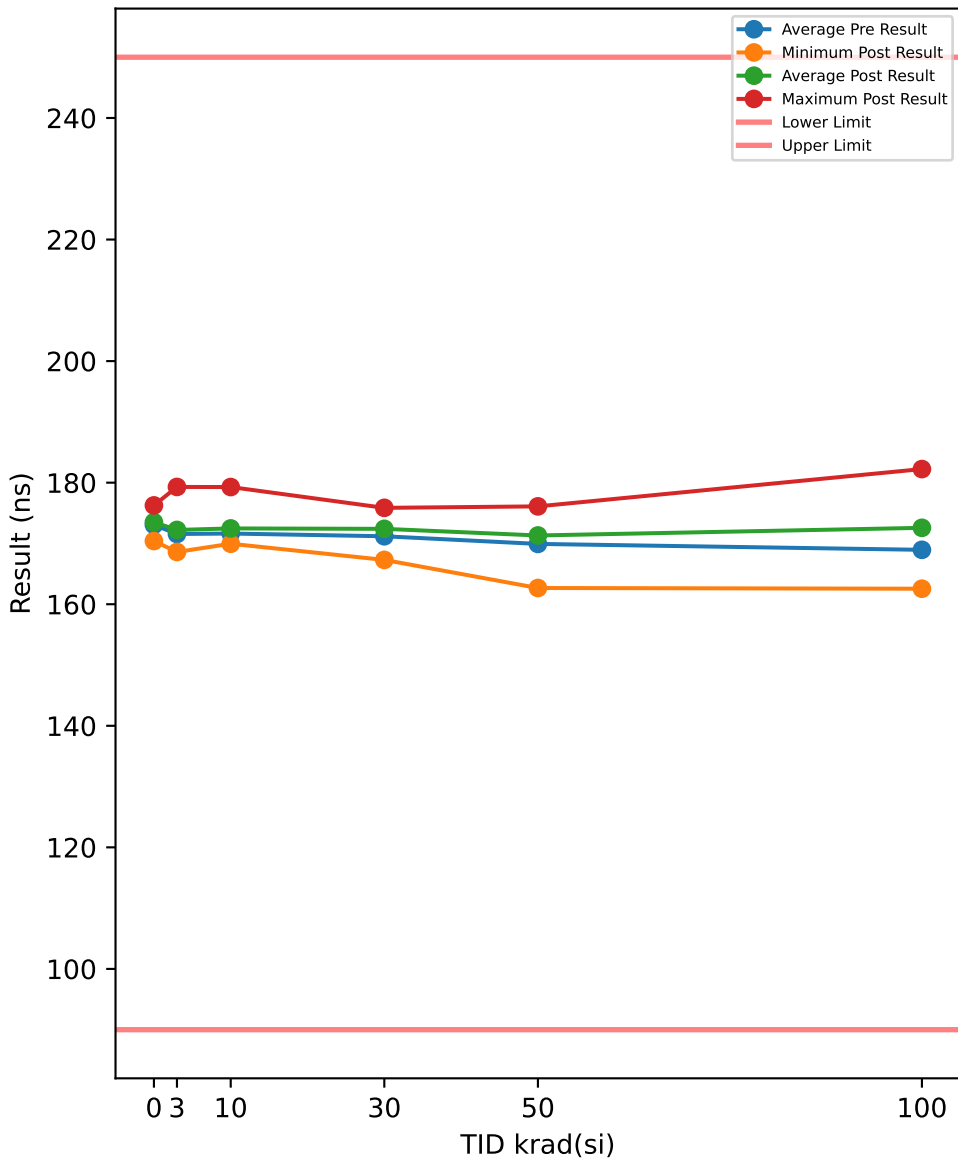
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
390	100	Biased	109.46	108.99	-0.4638
392	100	Biased	107.69	107.89	0.2025
393	100	Biased	107.57	107.38	-0.1883
394	100	Biased	107.91	107.84	-0.0657
395	100	Biased	106.84	106.92	0.0833
412	100	Unbiased	107.92	107.89	-0.0292
413	100	Unbiased	108.42	107.97	-0.4448
414	100	Unbiased	106.98	107.05	0.0664
415	100	Unbiased	106.41	106.83	0.4226
416	100	Unbiased	107.84	107.45	-0.3938
417	50	Biased	106.72	106.43	-0.2892
418	50	Biased	106.24	105.92	-0.314
419	50	Biased	106.75	107.1	0.355
421	50	Biased	106.71	106.31	-0.3923
422	50	Biased	108.31	108.37	0.0599
423	50	Unbiased	107.54	107.09	-0.4529
424	50	Unbiased	107.13	107.43	0.3042
425	50	Unbiased	106.43	106.42	-0.0165
426	50	Unbiased	106.79	107.04	0.2534
427	50	Unbiased	106.83	106.83	-0.0083
463	0	Corr	109.32	109.2	-0.1202
464	0	Corr	108.49	108.44	-0.0495
465	0	Corr	110.58	110.44	-0.1423
466	30	Biased	106.71	106.24	-0.4747
469	30	Biased	109.61	109.62	0.0088
470	30	Biased	107.95	107.87	-0.0793
472	30	Biased	107.55	107.6	0.0503
474	30	Biased	107.18	107.13	-0.0519
475	30	Unbiased	108.07	107.86	-0.2024
477	30	Unbiased	107.79	107.17	-0.6115
478	30	Unbiased	108.27	108.57	0.2942
479	30	Unbiased	109.18	109.18	-0.0037
480	30	Unbiased	107.98	107.89	-0.0948
481	10	Biased	107.39	107.47	0.0779
482	10	Biased	109.36	109.28	-0.0794
483	10	Biased	107.1	107.06	-0.0386
484	10	Biased	108.84	108.85	0.0062
485	10	Biased	107.72	107.7	-0.0244
487	10	Unbiased	108.16	108.17	0.0117
488	10	Unbiased	108.1	108.27	0.1743
489	10	Unbiased	107.78	107.68	-0.1011
490	10	Unbiased	107.51	107.41	-0.1007
491	10	Unbiased	108.88	108.5	-0.3801
492	3	Biased	107.77	107.63	-0.14
493	3	Biased	108.32	108.31	-0.0097
494	3	Biased	109.2	109.01	-0.1906
495	3	Biased	107.3	107.07	-0.2306
496	3	Biased	108.93	108.93	0.0016
497	3	Unbiased	108.73	108.83	0.1008
498	3	Unbiased	107.54	107.35	-0.1903
499	3	Unbiased	108.41	108.31	-0.1076
500	3	Unbiased	106.61	106.54	-0.0637
502	3	Unbiased	109.52	109.54	0.0145



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	108.49	109.46	110.58	1.0527	108.44	109.36	110.44	1.0085	-0.1423	-0.104	-0.0495	0.048475
3	106.61	108.23	109.52	0.91733	106.54	108.15	109.54	0.96838	-0.2306	-0.08156	0.1008	0.10796
10	107.1	108.08	109.36	0.73374	107.06	108.04	109.28	0.69968	-0.3801	-0.04542	0.1743	0.145
30	106.71	108.03	109.61	0.85937	106.24	107.91	109.62	1.0008	-0.6115	-0.1165	0.2942	0.2607
50	106.24	106.94	108.31	0.5971	105.92	106.89	108.37	0.69247	-0.4529	-0.05007	0.355	0.29868
100	106.41	107.7	109.46	0.86019	106.83	107.62	108.99	0.64394	-0.4638	-0.08108	0.4226	0.29323

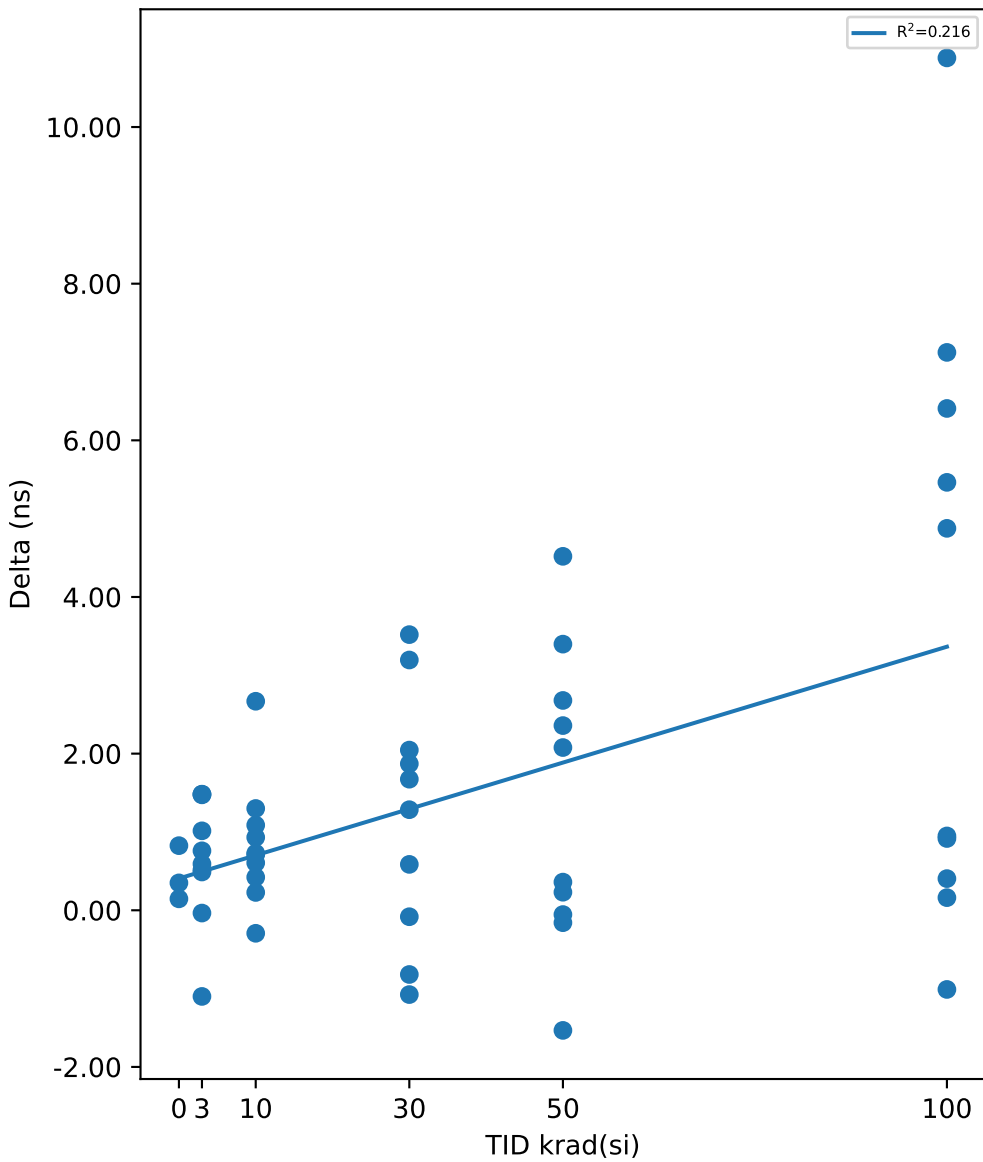
TID vs Result Stats



Test Results (Lower Limit = 90.0, Upper Limit = 250.0 (ns))

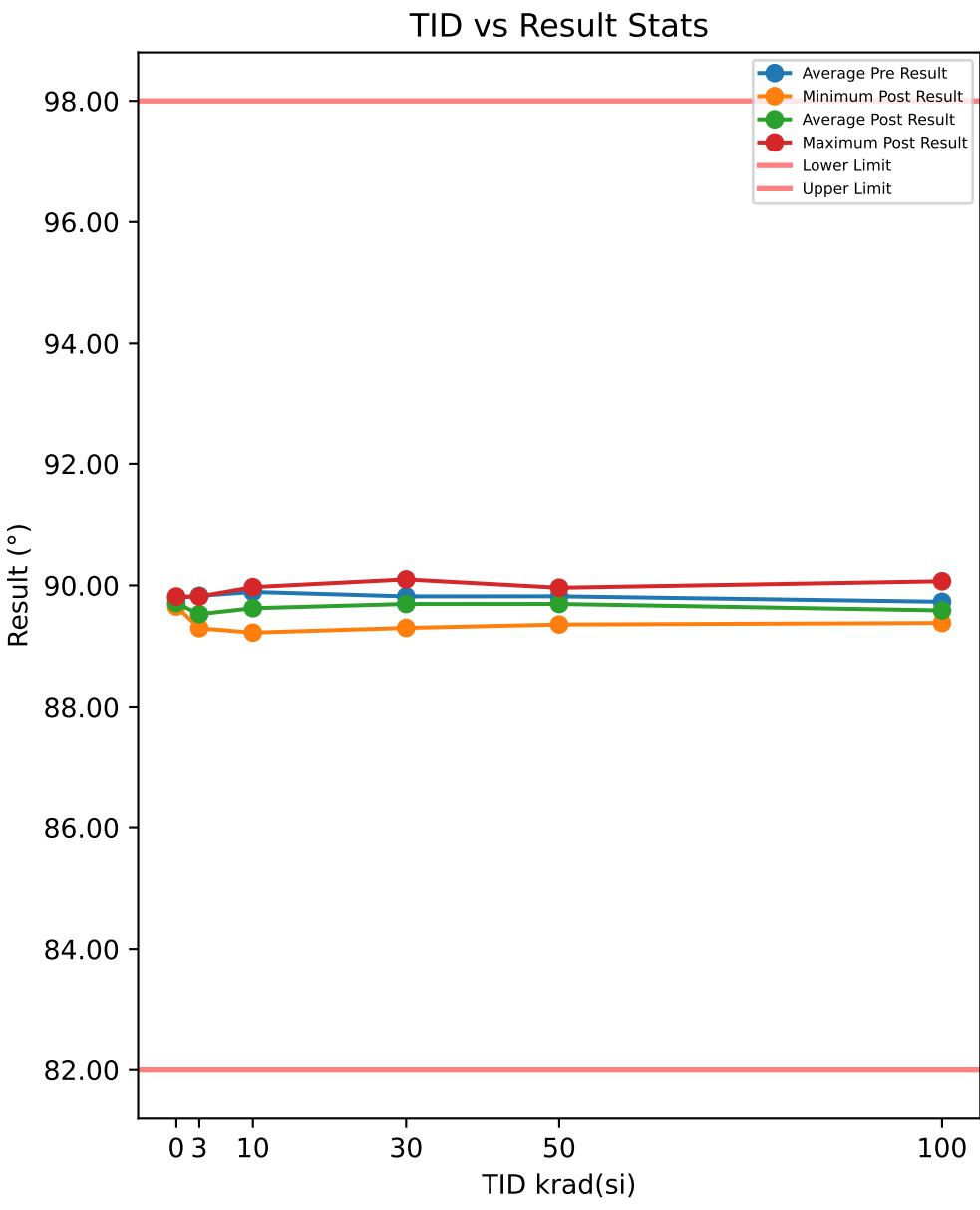
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
390	100	Biased	168.26	169.17	0.9165
392	100	Biased	168.15	175.28	7.1227
393	100	Biased	165.53	170.4	4.8763
394	100	Biased	167.93	173.39	5.4635
395	100	Biased	169.04	175.45	6.407
412	100	Unbiased	171.77	172.17	0.4044
413	100	Unbiased	162.39	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

TID vs Post - Pre Exposure Delta



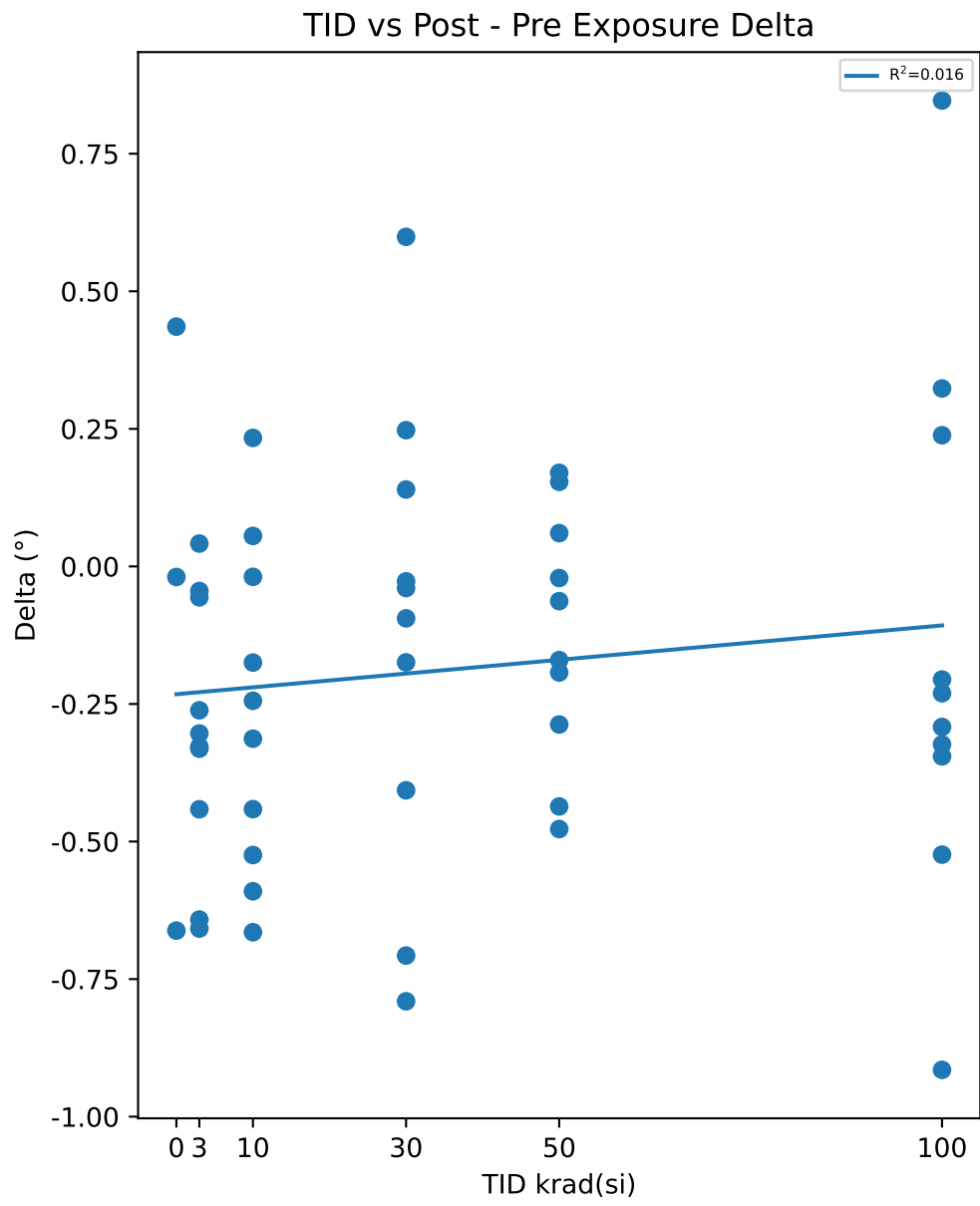
Test Statistics (ns)

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



Test Results (Lower Limit = 82.0, Upper Limit = 98.0 (°))

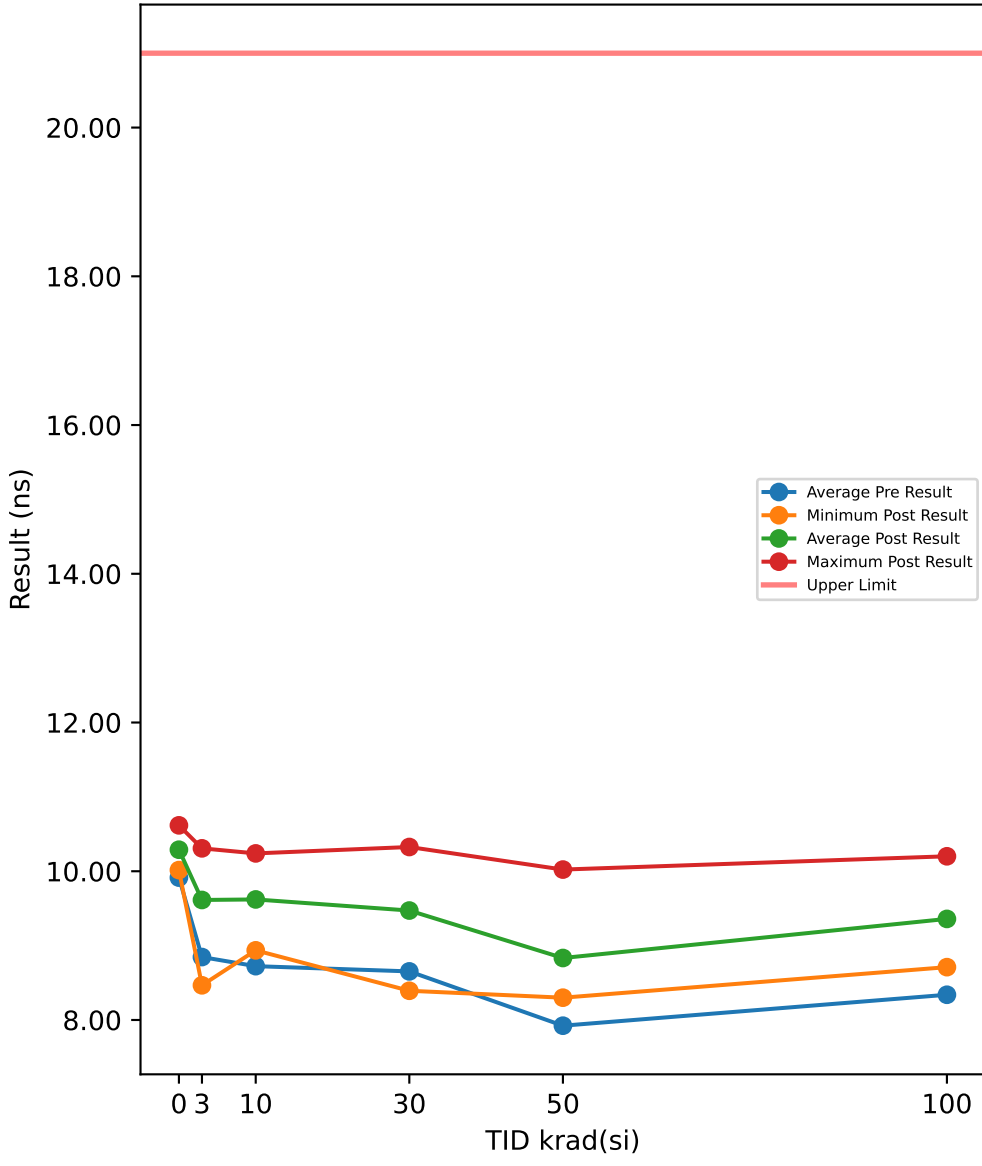
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
390	100	Biased	89.989	89.465	-0.5238
392	100	Biased	90.295	89.38	-0.9149
393	100	Biased	89.222	90.068	0.8466
394	100	Biased	89.983	89.691	-0.2918
395	100	Biased	89.312	89.55	0.2384
412	100	Unbiased	89.903	89.579	-0.3234
413	100	Unbiased	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



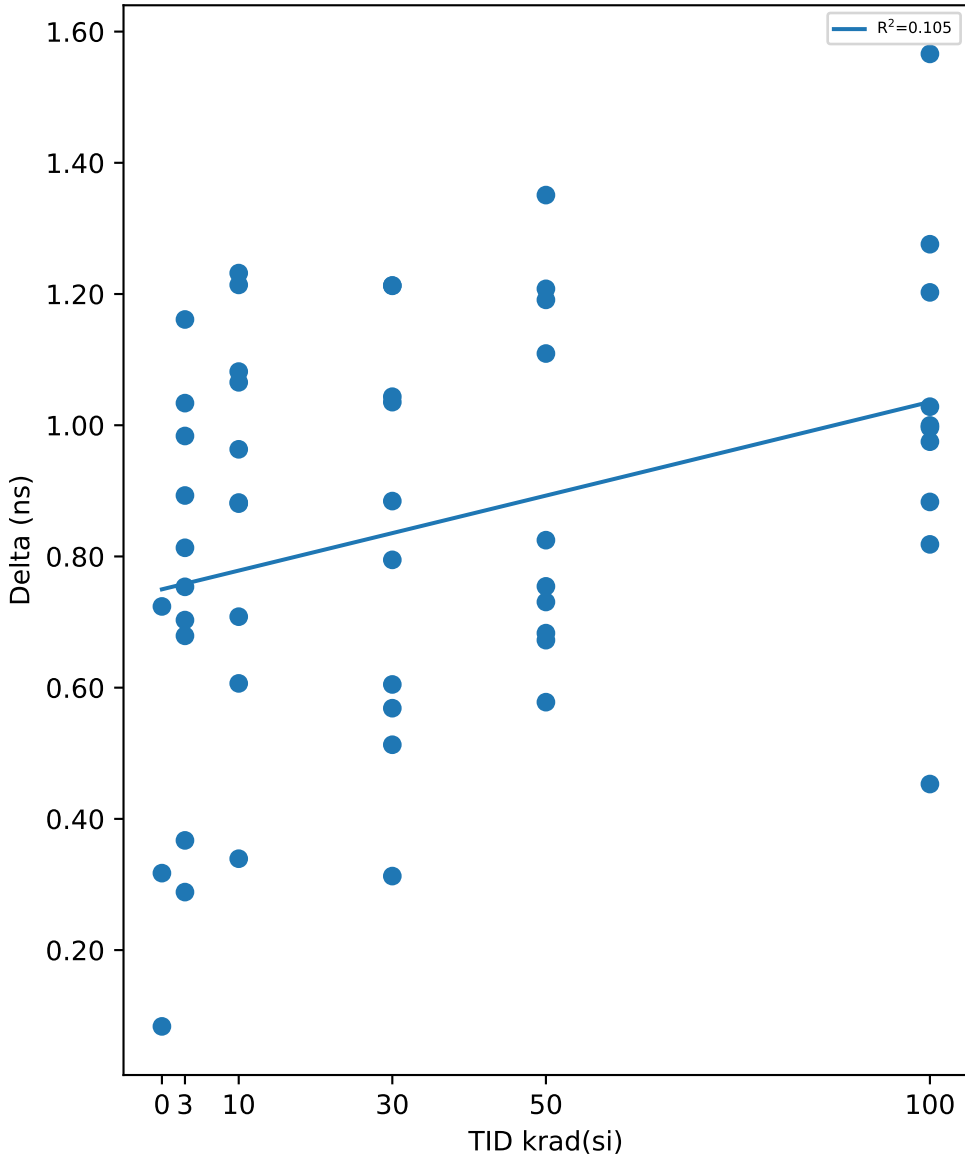
Test Statistics (°)

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

TID vs Result Stats



TID vs Post - Pre Exposure Delta



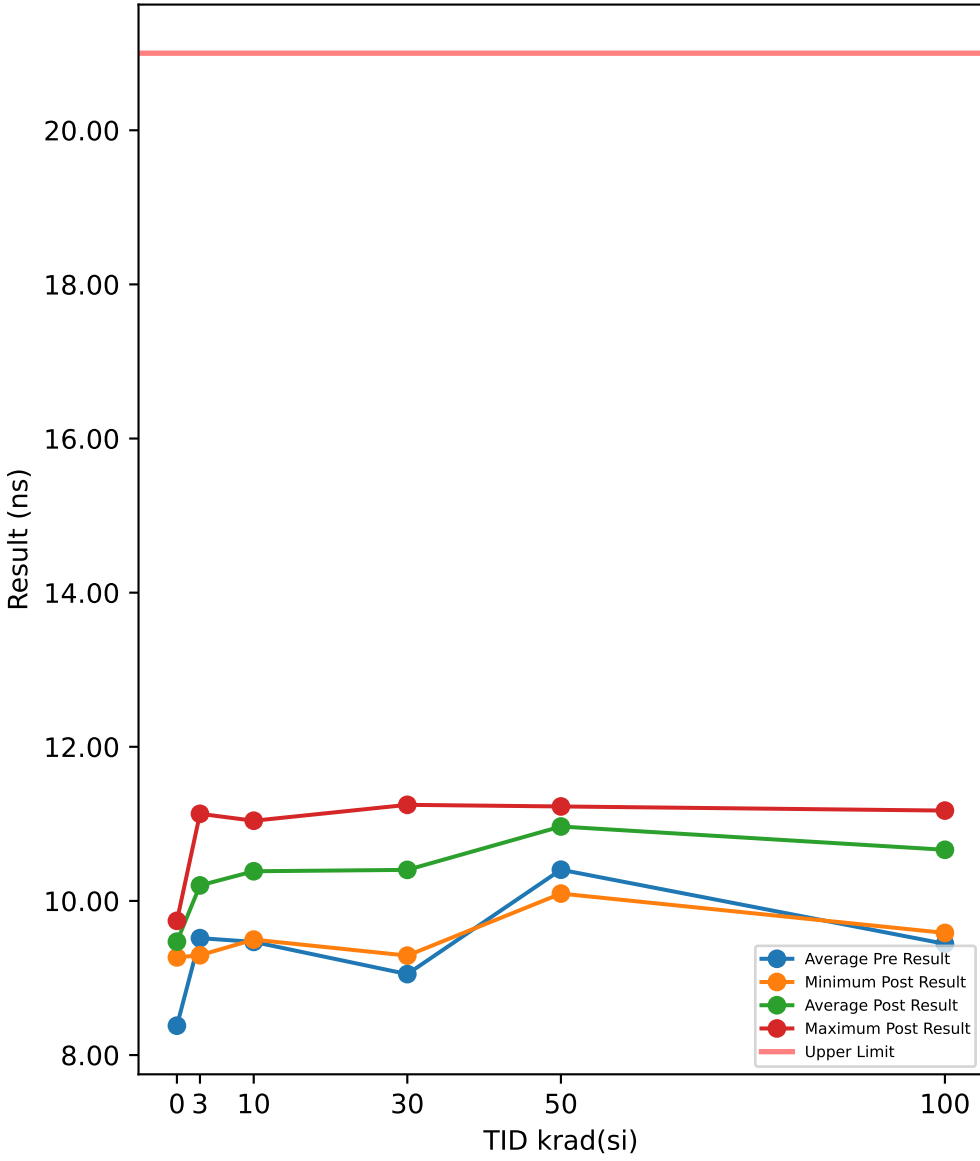
Test Results (Upper Limit = 21.0 (ns))

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

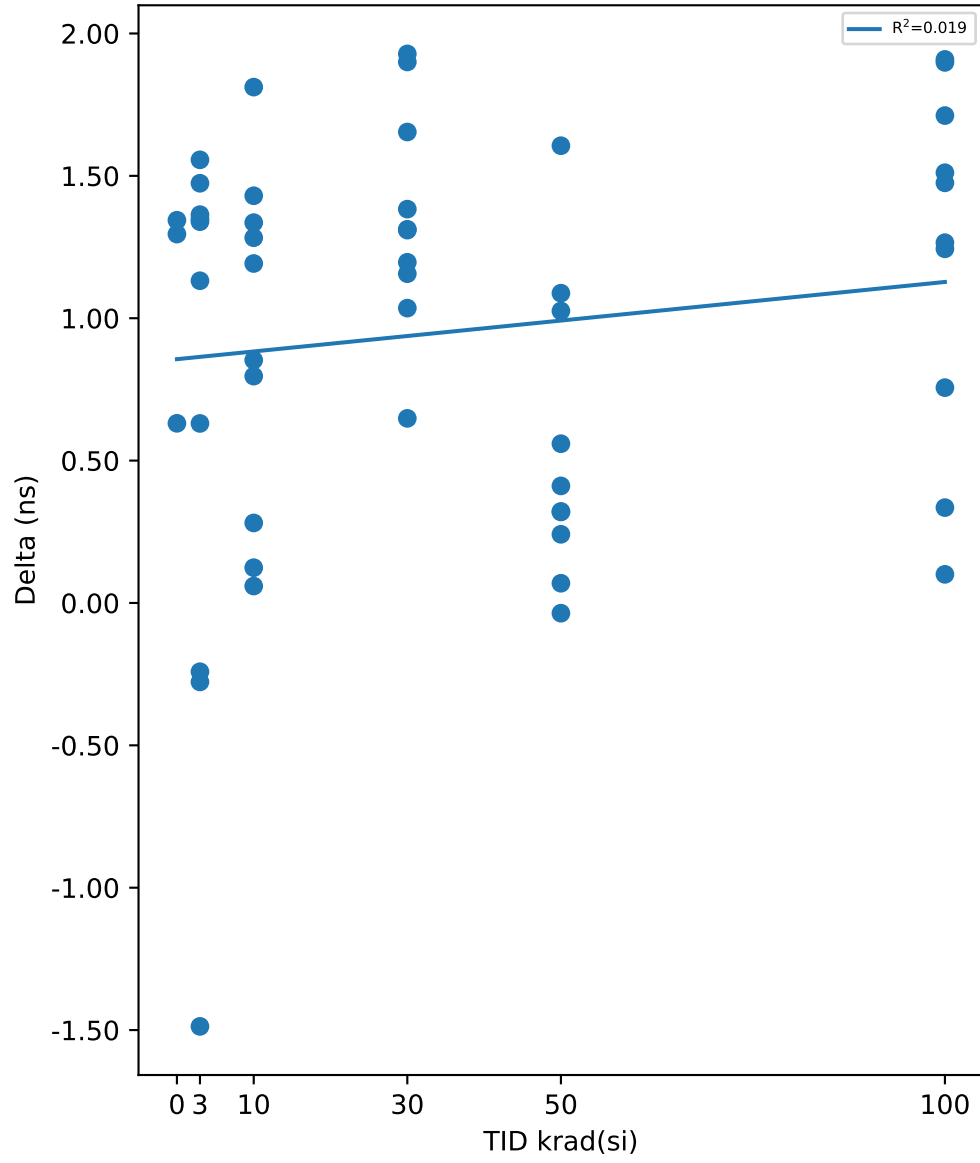
TID vs Result Stats



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

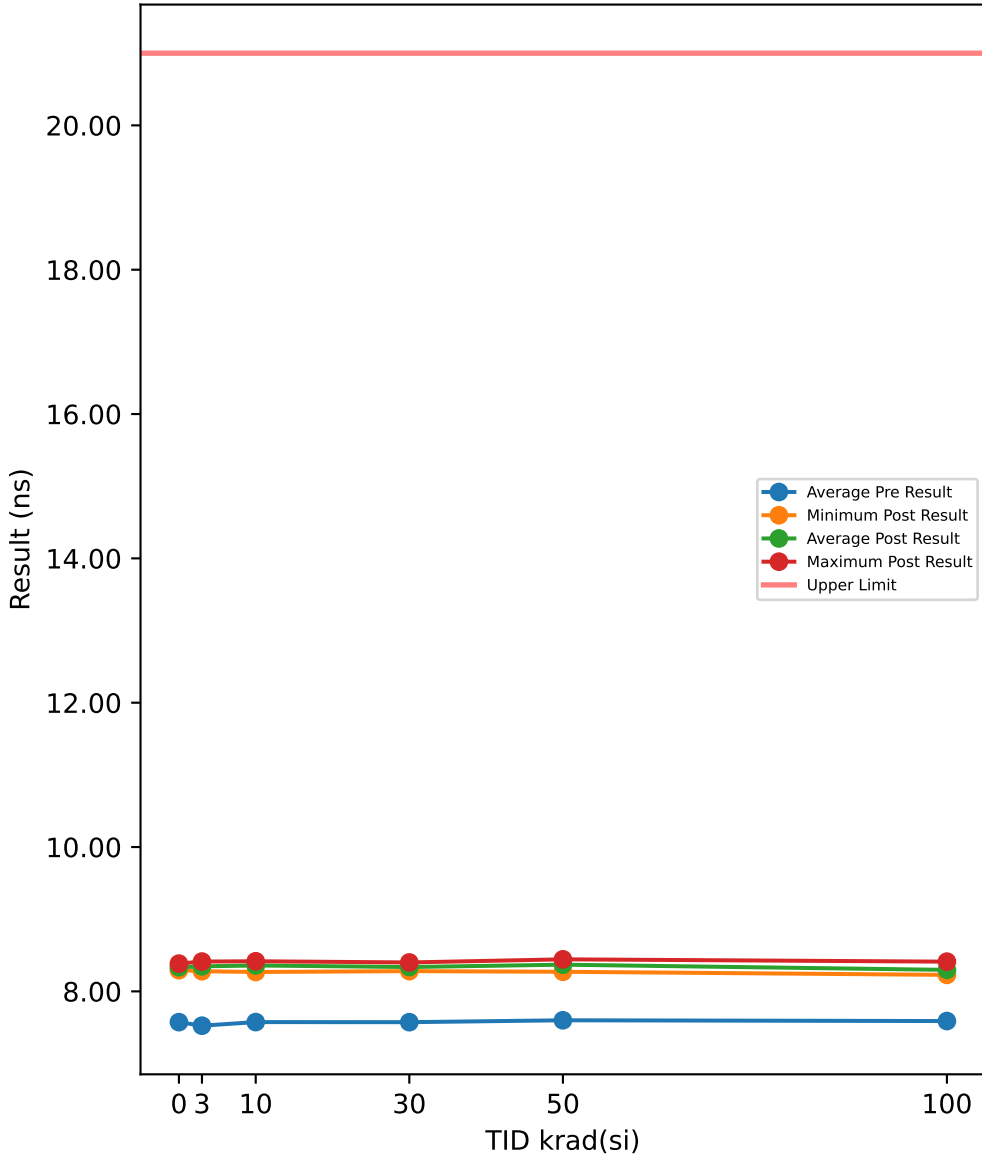
TID vs Post - Pre Exposure Delta



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

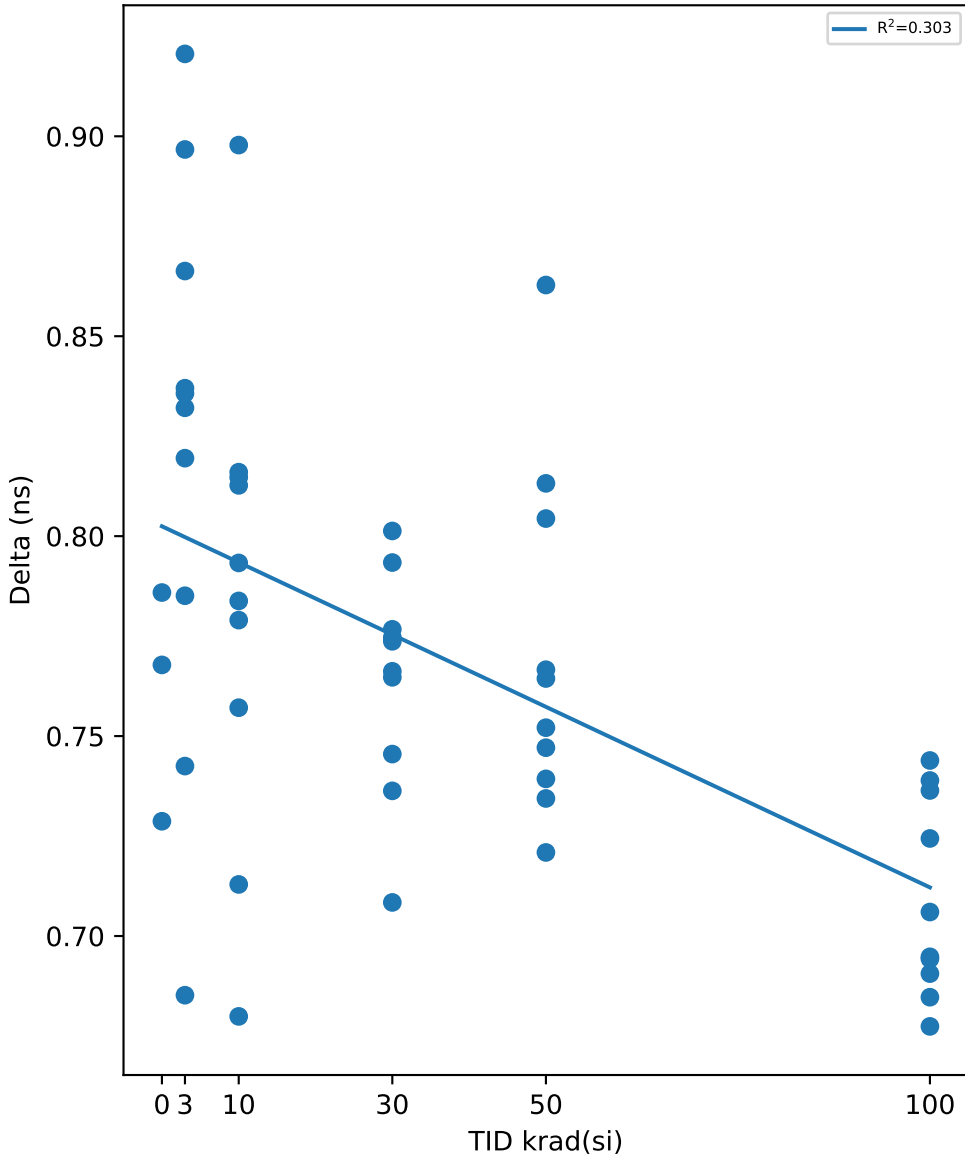
TID vs Result Stats



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

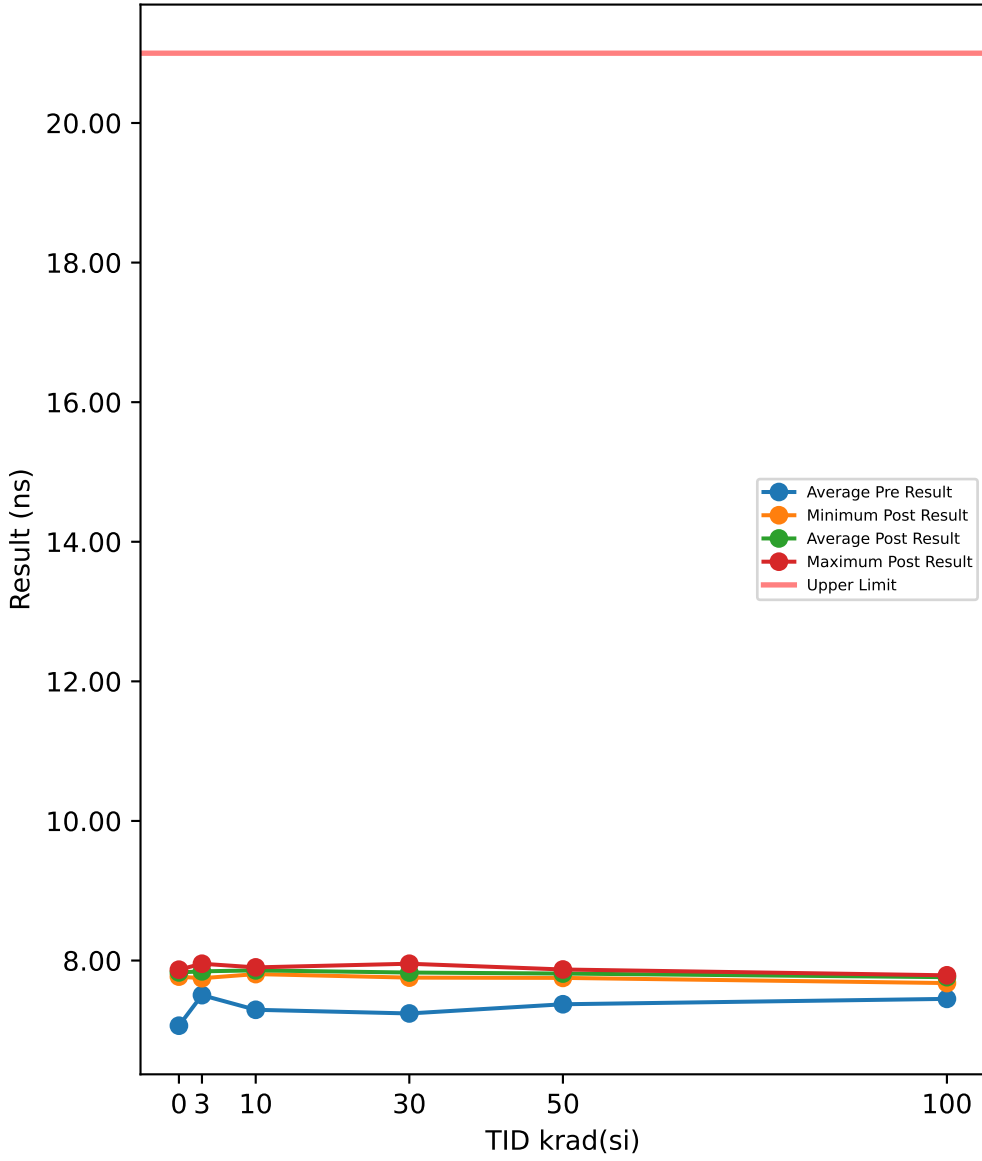
TID vs Post - Pre Exposure Delta



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

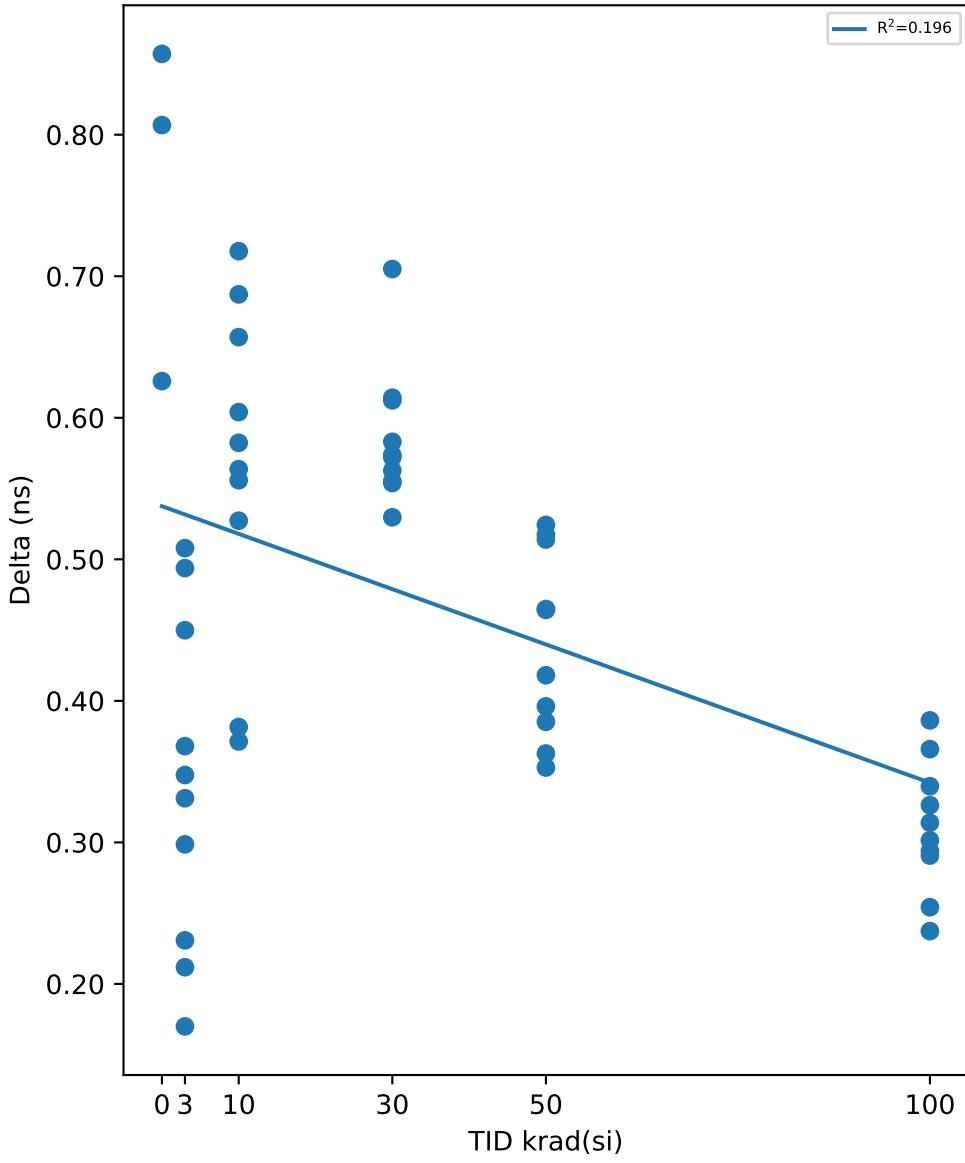
TID vs Result Stats



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

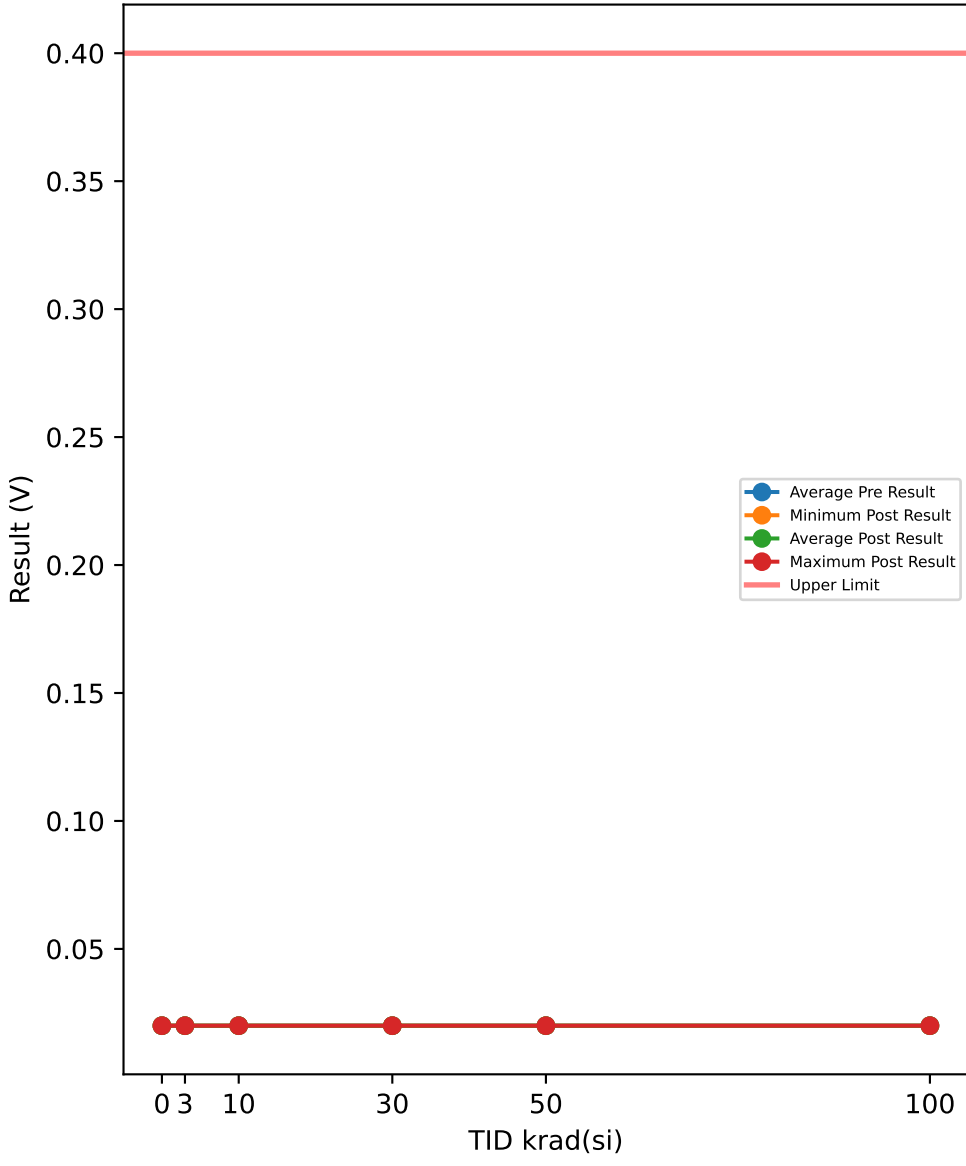
TID vs Post - Pre Exposure Delta



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

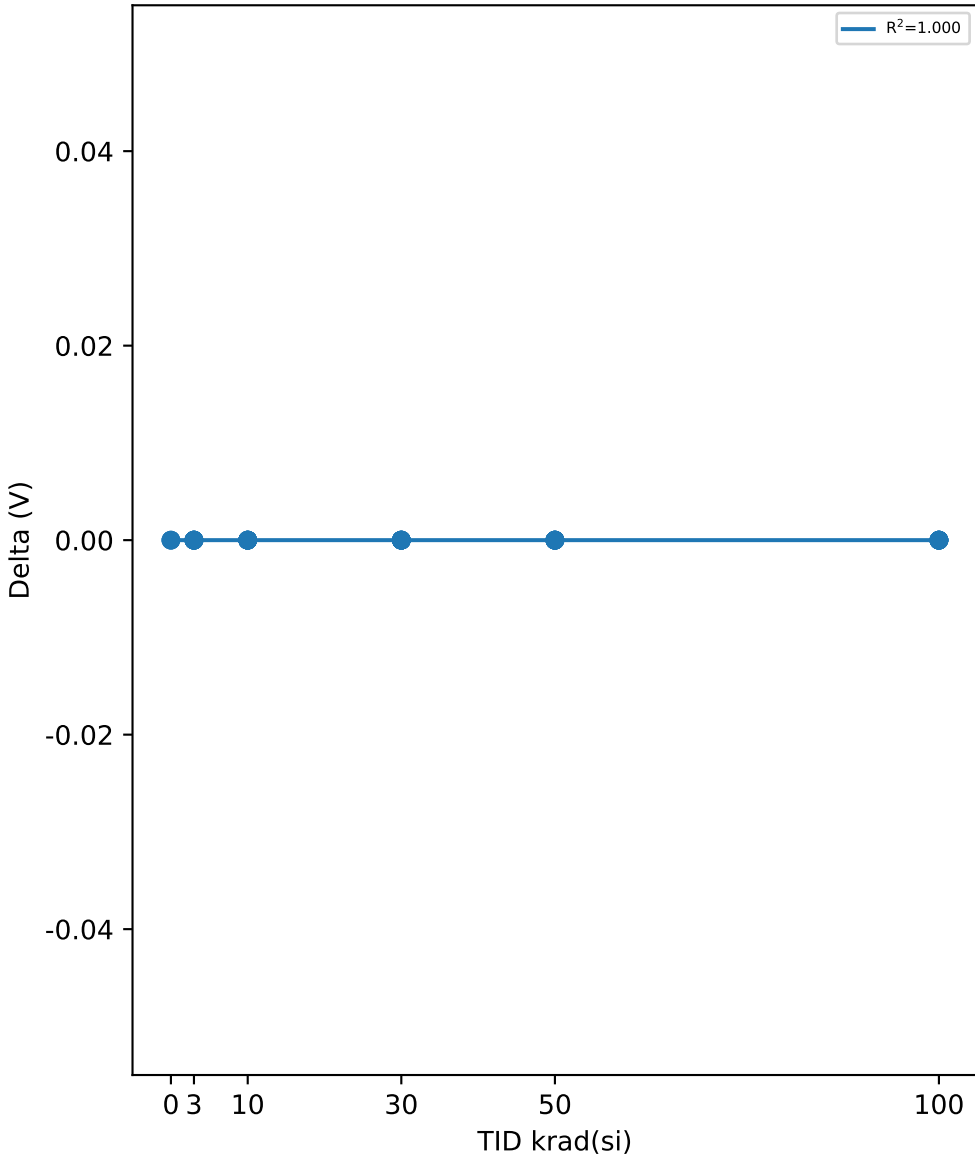
TID vs Result Stats



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

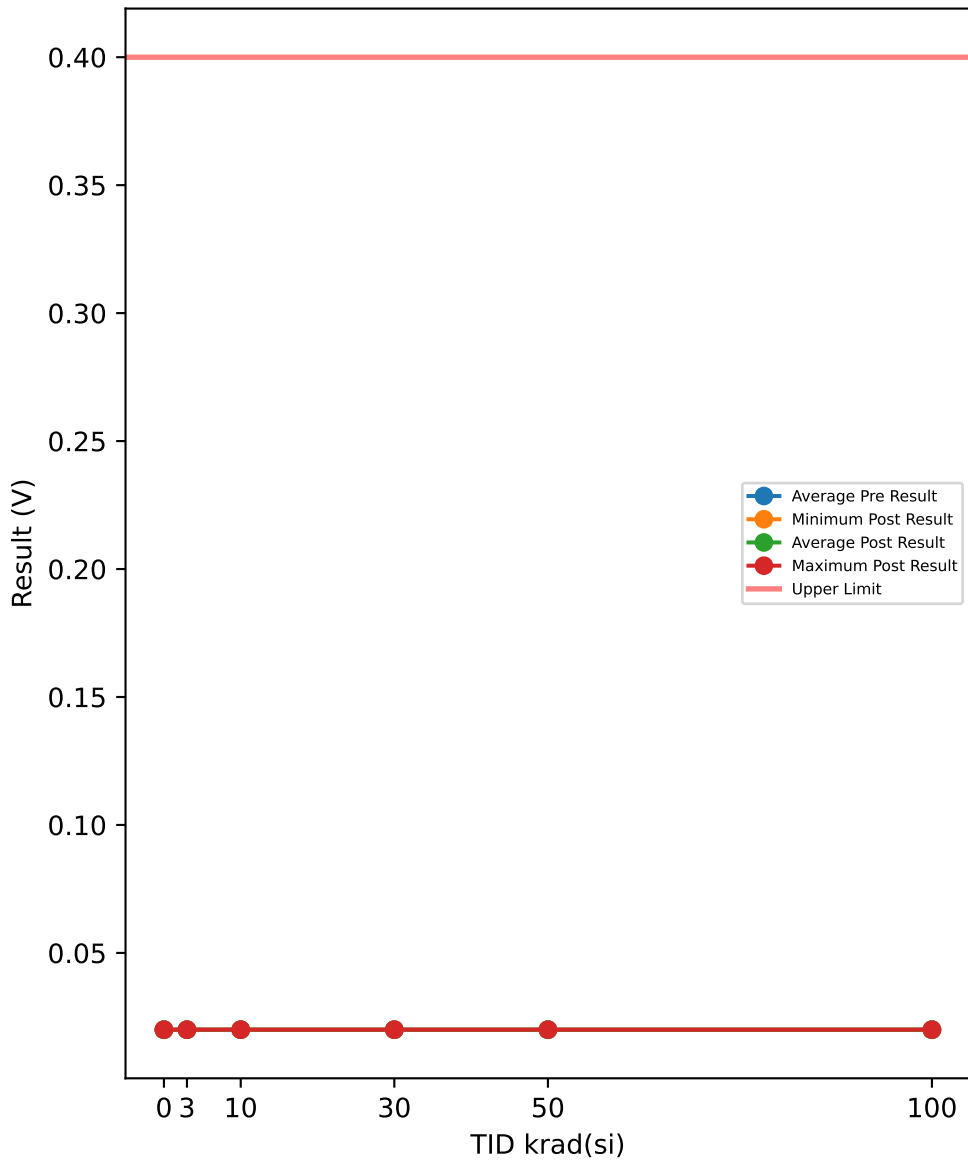
TID vs Post - Pre Exposure Delta



Test Statistics (V)

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	0.02	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

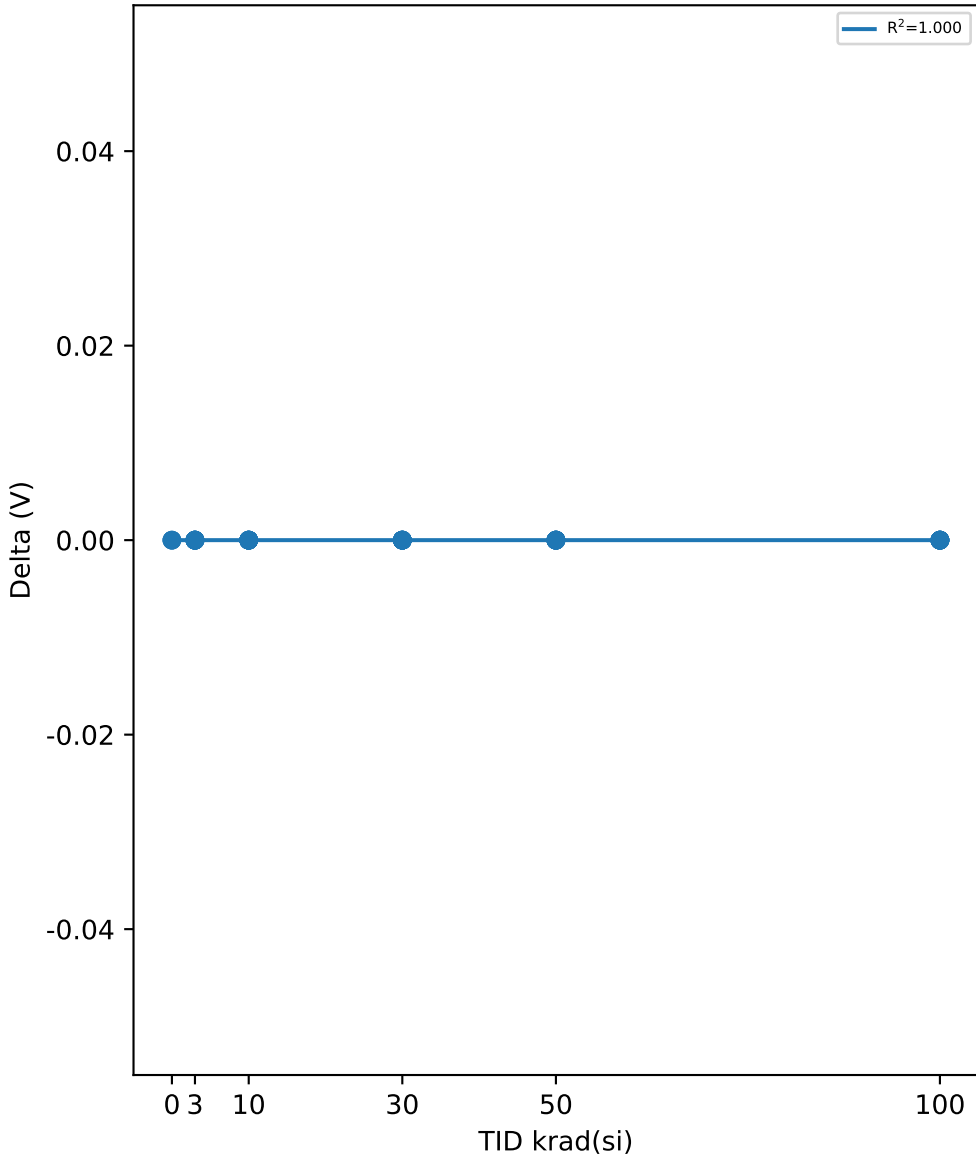
TID vs Result Stats



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

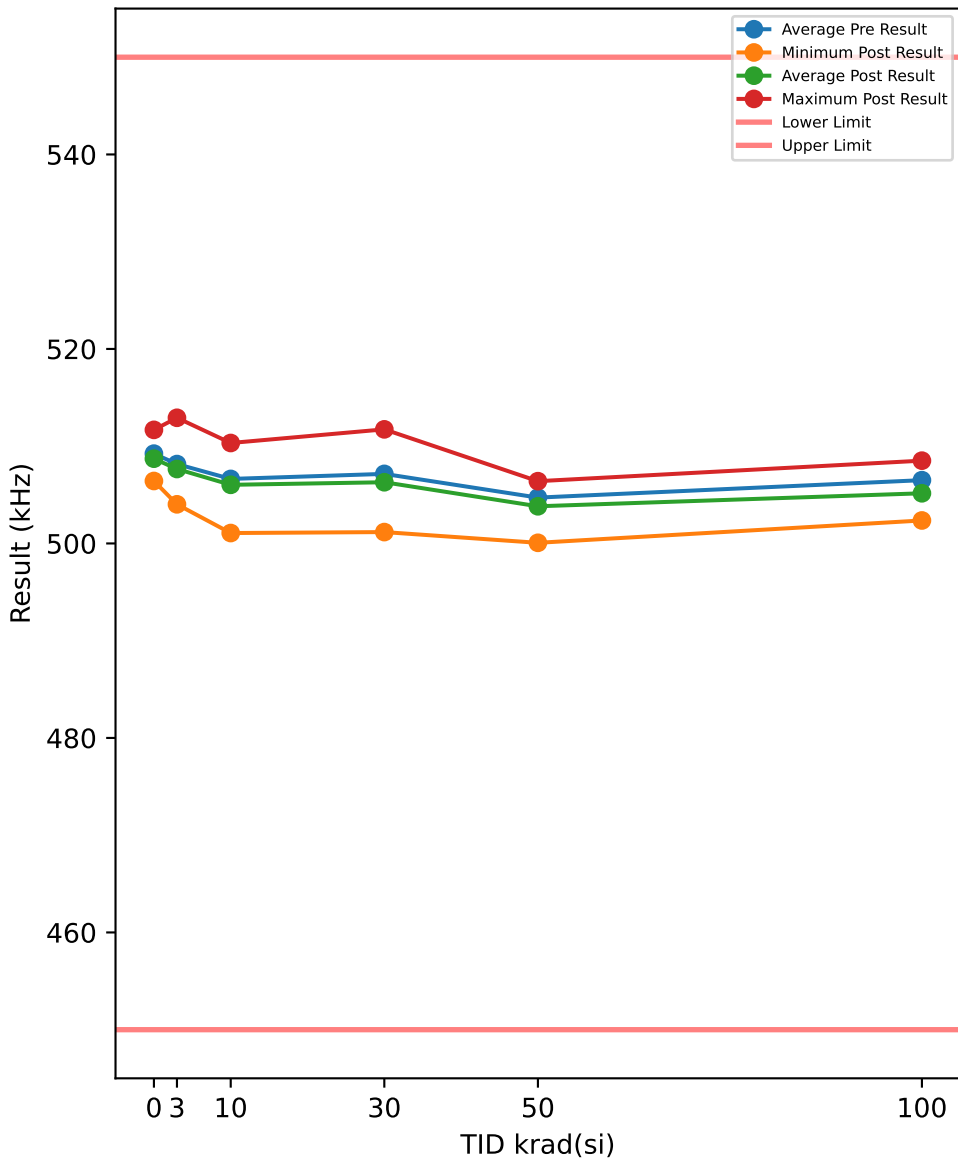
TID vs Post - Pre Exposure Delta



Test Statistics (V)

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	0.02	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

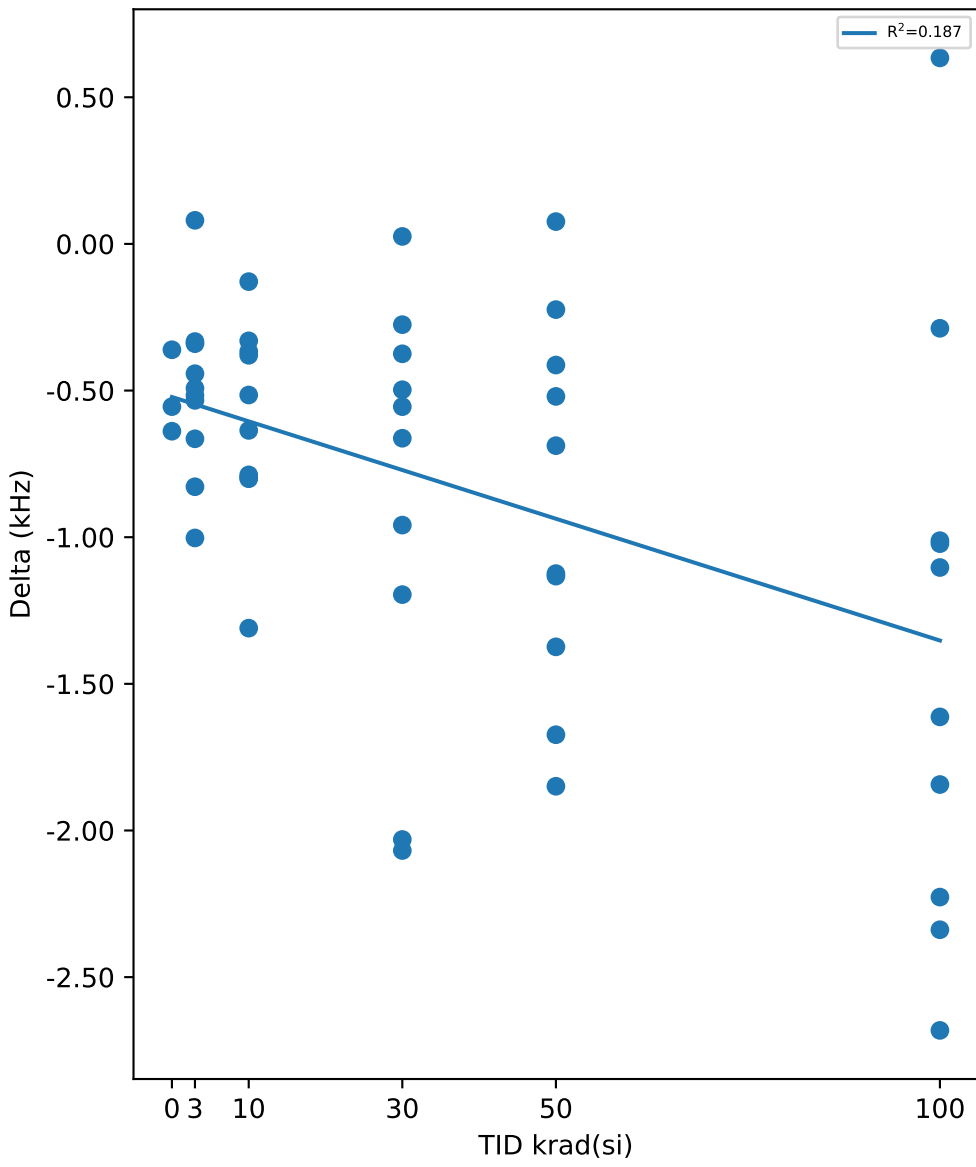
TID vs Result Stats



Test Results (Lower Limit = 450.0, Upper Limit = 550.0 (kHz))

Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
390	100	Biased	510.74	508.51	-2.2271
392	100	Biased	504.71	504.43	-0.2877
393	100	Biased	507.21	504.87	-2.3384
394	100	Biased	507.8	506.78	-1.022
395	100	Biased	506.62	505.61	-1.0118
412	100	Unbiased	505.4	504.3	-1.1033
413	100	Unbiased	509.39	507.55	-1.8433
414	100	Unbiased	503.98	502.36	-1.6127
415	100	Unbiased	502.09	502.73	0.6342
416	100	Unbiased	507.13	504.45	-2.6816
417	50	Biased	504.21	502.53	-1.6735
418	50	Biased	502.8	501.43	-1.3739
419	50	Biased	499.99	500.07	0.0761
421	50	Biased	505.43	504.3	-1.1328
422	50	Biased	506.82	506.4	-0.413
423	50	Unbiased	506.63	504.79	-1.8492
424	50	Unbiased	506.11	505.42	-0.6879
425	50	Unbiased	504.1	503.58	-0.52
426	50	Unbiased	503.66	503.43	-0.224
427	50	Unbiased	507.39	506.27	-1.1241
463	0	Corr	512.32	511.68	-0.6387
464	0	Corr	508.41	508.05	-0.3609
465	0	Corr	506.98	506.42	-0.5548
466	30	Biased	505.25	503.18	-2.0683
469	30	Biased	511.46	511.08	-0.3747
470	30	Biased	506.51	506.01	-0.4972
472	30	Biased	505.02	504.36	-0.6626
474	30	Biased	503.91	503.64	-0.2753
475	30	Unbiased	507.02	506.47	-0.5549
477	30	Unbiased	503.2	501.17	-2.0307
478	30	Unbiased	508.54	508.56	0.0255
479	30	Unbiased	512.69	511.73	-0.9587
480	30	Unbiased	507.93	506.73	-1.1958
481	10	Biased	504	503.64	-0.3665
482	10	Biased	510.52	509.72	-0.7963
483	10	Biased	502.09	501.72	-0.3798
484	10	Biased	511.12	510.33	-0.7875
485	10	Biased	508.43	507.91	-0.5152
487	10	Unbiased	507.58	507.25	-0.3305
488	10	Unbiased	506.16	506.03	-0.1286
489	10	Unbiased	505.31	504.51	-0.8007
490	10	Unbiased	501.71	501.07	-0.6359
491	10	Unbiased	509.43	508.12	-1.3101
492	3	Biased	509.18	508.84	-0.3402
493	3	Biased	508.45	508.01	-0.4425
494	3	Biased	509.53	509	-0.5335
495	3	Biased	505.03	504.02	-1.0026
496	3	Biased	510.99	510.5	-0.4923
497	3	Unbiased	507.18	506.85	-0.3329
498	3	Unbiased	505.79	504.97	-0.828
499	3	Unbiased	506.25	505.59	-0.6645
500	3	Unbiased	506.37	505.86	-0.5166
502	3	Unbiased	512.84	512.92	0.0804

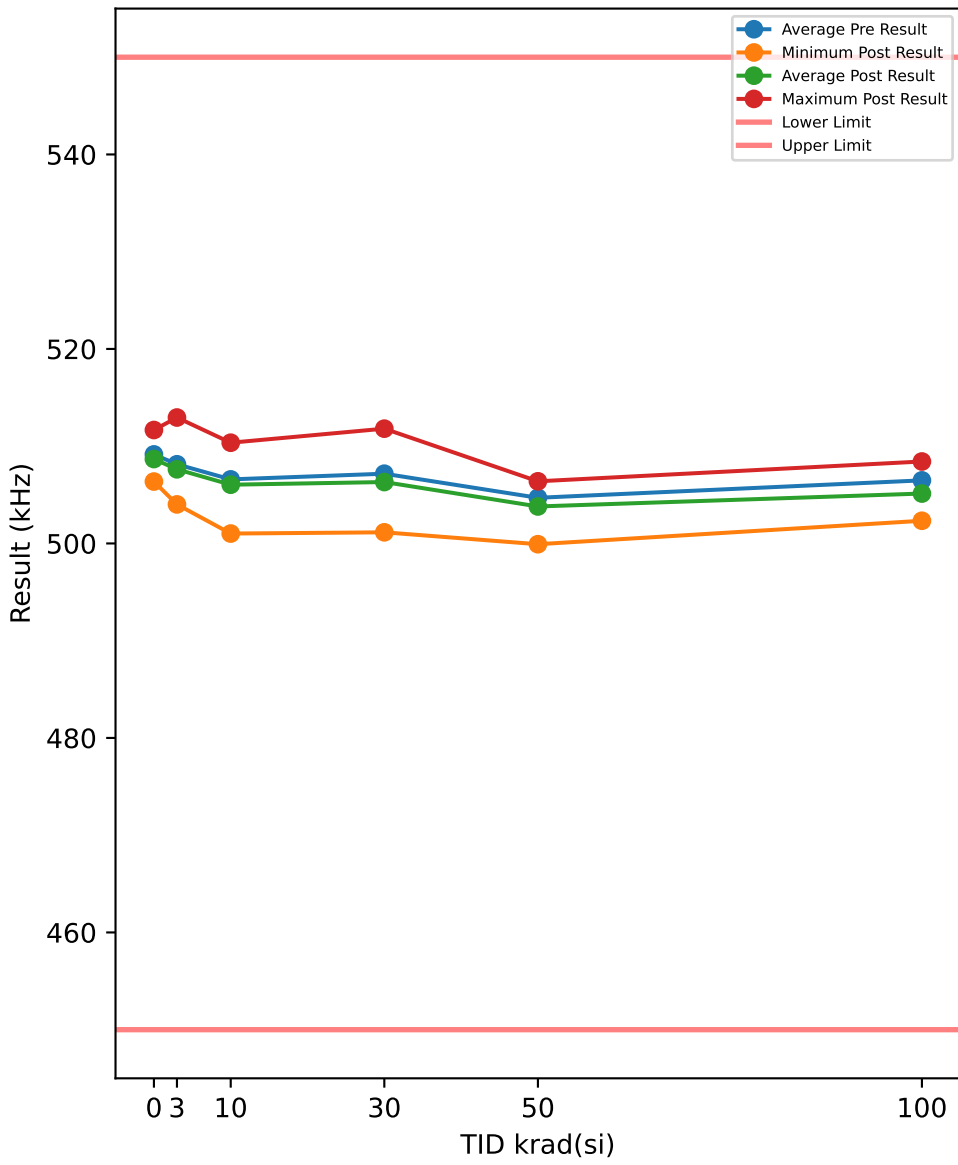
TID vs Post - Pre Exposure Delta



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	506.98	509.23	512.32	2.7649	506.42	508.72	511.68	2.6918	-0.6387	-0.51813	-0.3609	0.14248
3	505.03	508.16	512.84	2.4983	504.02	507.65	512.92	2.744	-1.0026	-0.50727	0.0804	0.29473
10	501.71	506.63	511.12	3.3481	501.07	506.03	510.33	3.2104	-1.3101	-0.60511	-0.1286	0.33736
30	503.2	507.15	512.69	3.099	501.17	506.29	511.73	3.4111	-2.0683	-0.85927	0.0255	0.71322
50	499.99	504.71	507.39	2.2474	500.07	503.82	506.4	2.0564	-1.8492	-0.89223	0.0761	0.63805
100	502.09	506.51	510.74	2.564	502.36	505.16	508.51	1.9832	-2.6816	-1.3494	0.6342	1.01

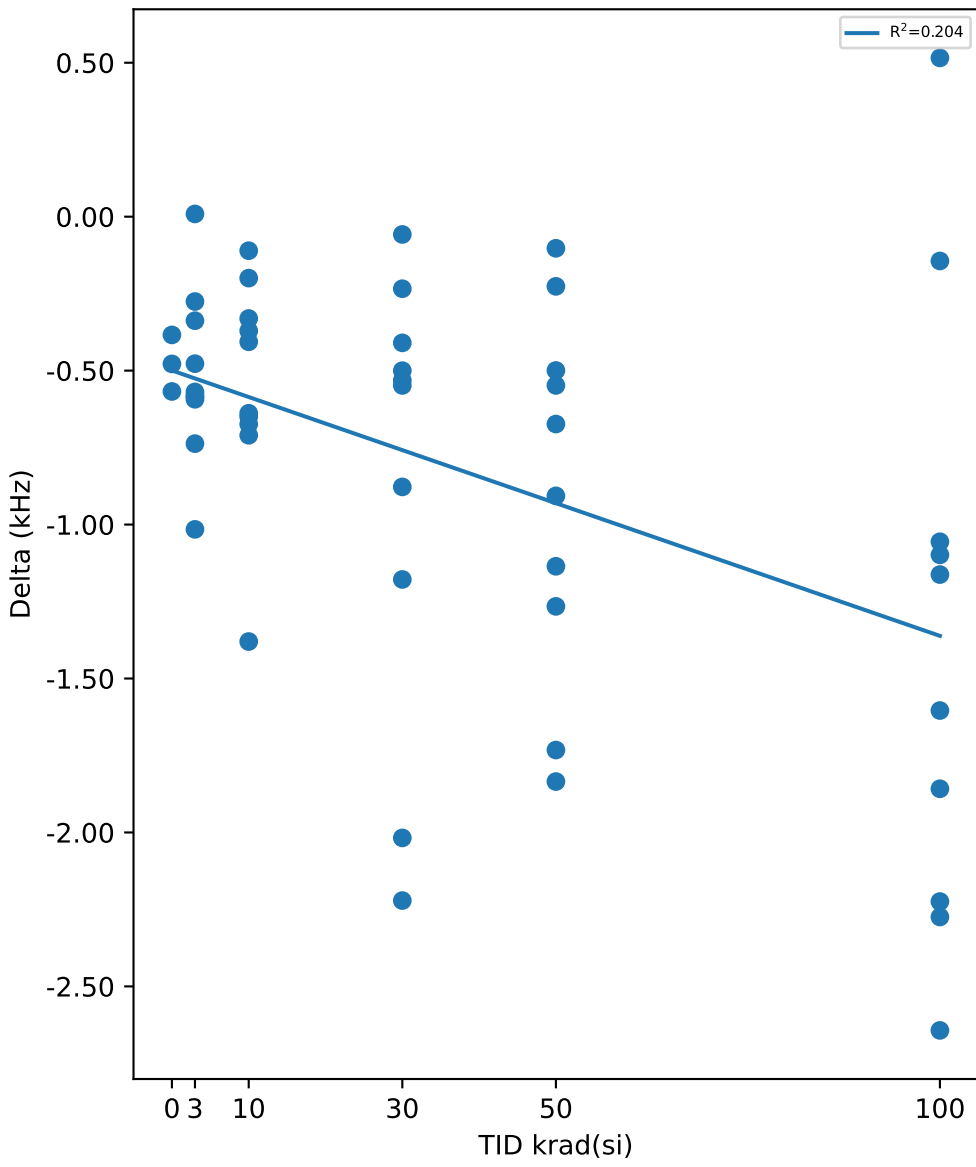
TID vs Result Stats



Test Results (Lower Limit = 450.0, Upper Limit = 550.0 (kHz))

Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
390	100	Biased	510.65	508.43	-2.2244
392	100	Biased	504.6	504.46	-0.1439
393	100	Biased	507.15	504.88	-2.2745
394	100	Biased	507.86	506.77	-1.0984
395	100	Biased	506.66	505.6	-1.0559
412	100	Unbiased	505.41	504.25	-1.1624
413	100	Unbiased	509.35	507.5	-1.8581
414	100	Unbiased	503.94	502.33	-1.604
415	100	Unbiased	502.13	502.64	0.5157
416	100	Unbiased	507.1	504.45	-2.6429
417	50	Biased	504.25	502.52	-1.7323
418	50	Biased	502.65	501.38	-1.2657
419	50	Biased	500.02	499.92	-0.1027
421	50	Biased	505.42	504.29	-1.1355
422	50	Biased	506.9	506.36	-0.5481
423	50	Unbiased	506.73	504.89	-1.8347
424	50	Unbiased	506.07	505.4	-0.6735
425	50	Unbiased	504.04	503.54	-0.4996
426	50	Unbiased	503.57	503.35	-0.2263
427	50	Unbiased	507.3	506.39	-0.9068
463	0	Corr	512.05	511.67	-0.384
464	0	Corr	508.48	508.01	-0.4782
465	0	Corr	506.93	506.37	-0.5677
466	30	Biased	505.3	503.08	-2.2212
469	30	Biased	511.57	511.16	-0.4098
470	30	Biased	506.6	506.05	-0.5481
472	30	Biased	504.89	504.39	-0.5001
474	30	Biased	503.89	503.66	-0.234
475	30	Unbiased	507.07	506.53	-0.5314
477	30	Unbiased	503.16	501.14	-2.0177
478	30	Unbiased	508.61	508.55	-0.0577
479	30	Unbiased	512.68	511.8	-0.8777
480	30	Unbiased	507.95	506.77	-1.1783
481	10	Biased	504	503.67	-0.3307
482	10	Biased	510.33	509.68	-0.6498
483	10	Biased	502.09	501.72	-0.3709
484	10	Biased	511.07	510.36	-0.71
485	10	Biased	508.36	507.95	-0.4063
487	10	Unbiased	507.46	507.26	-0.1995
488	10	Unbiased	506.21	506.09	-0.1105
489	10	Unbiased	505.16	504.52	-0.6385
490	10	Unbiased	501.69	501.02	-0.6738
491	10	Unbiased	509.51	508.13	-1.3799
492	3	Biased	509.12	508.78	-0.3378
493	3	Biased	508.53	507.95	-0.5804
494	3	Biased	509.46	508.89	-0.5691
495	3	Biased	505.03	504.01	-1.0156
496	3	Biased	510.93	510.45	-0.4774
497	3	Unbiased	507.15	506.88	-0.2756
498	3	Unbiased	505.72	504.98	-0.7371
499	3	Unbiased	506.18	505.59	-0.5931
500	3	Unbiased	506.34	505.75	-0.5854
502	3	Unbiased	512.94	512.95	0.0089

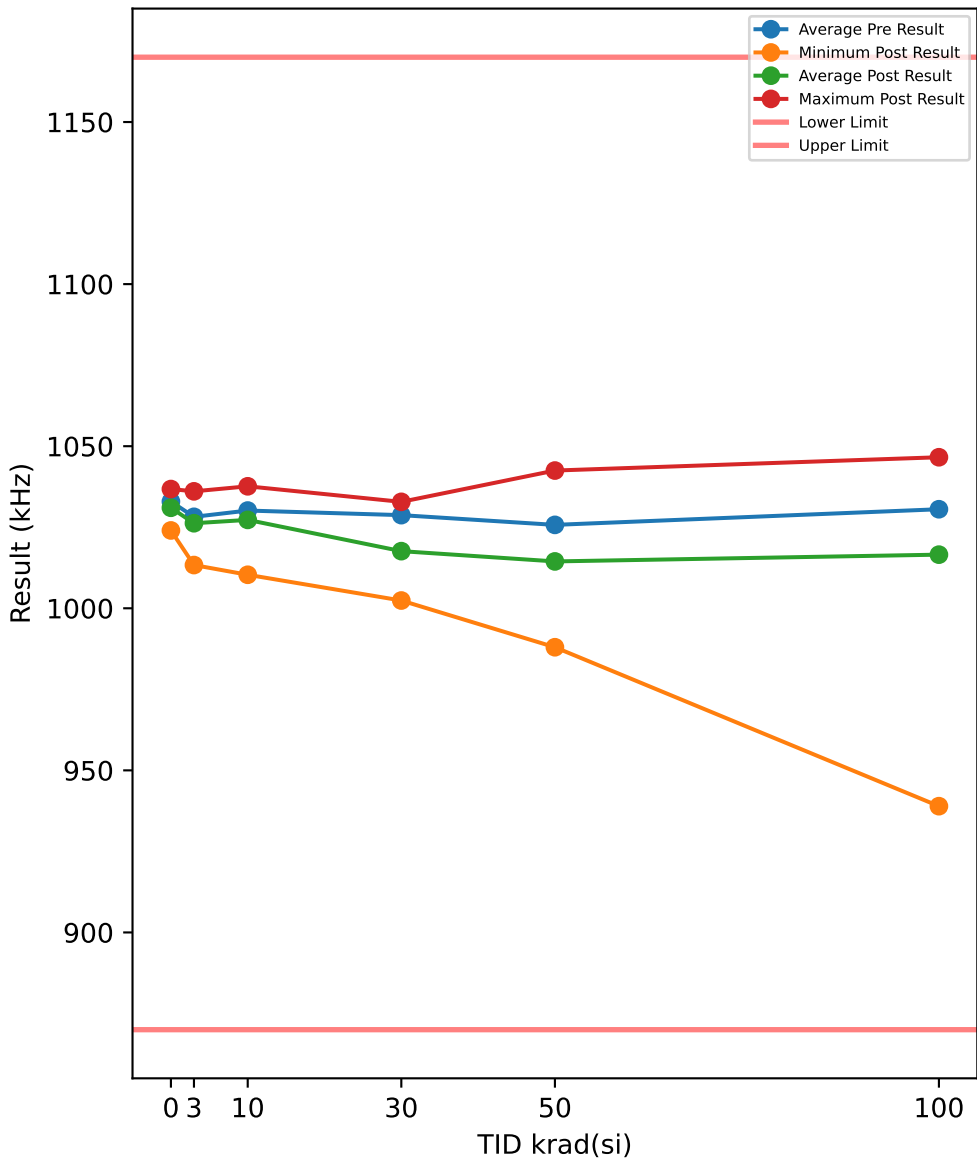
TID vs Post - Pre Exposure Delta



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	506.93	509.16	512.05	2.6231	506.37	508.68	511.67	2.713	-0.5677	-0.47663	-0.384	0.09186
3	505.03	508.14	512.94	2.5221	504.01	507.62	512.95	2.7406	-1.0156	-0.51626	0.0089	0.27543
10	501.69	506.59	511.07	3.3263	501.02	506.04	510.36	3.2184	-1.3799	-0.54699	-0.1105	0.35966
30	503.16	507.17	512.68	3.1305	501.14	506.31	511.8	3.4457	-2.2212	-0.8576	-0.0577	0.73543
50	500.02	504.7	507.3	2.2637	499.92	503.8	506.39	2.1097	-1.8347	-0.89252	-0.1027	0.59443
100	502.13	506.49	510.65	2.5502	502.33	505.13	508.43	1.9756	-2.6429	-1.3549	0.5157	0.9851

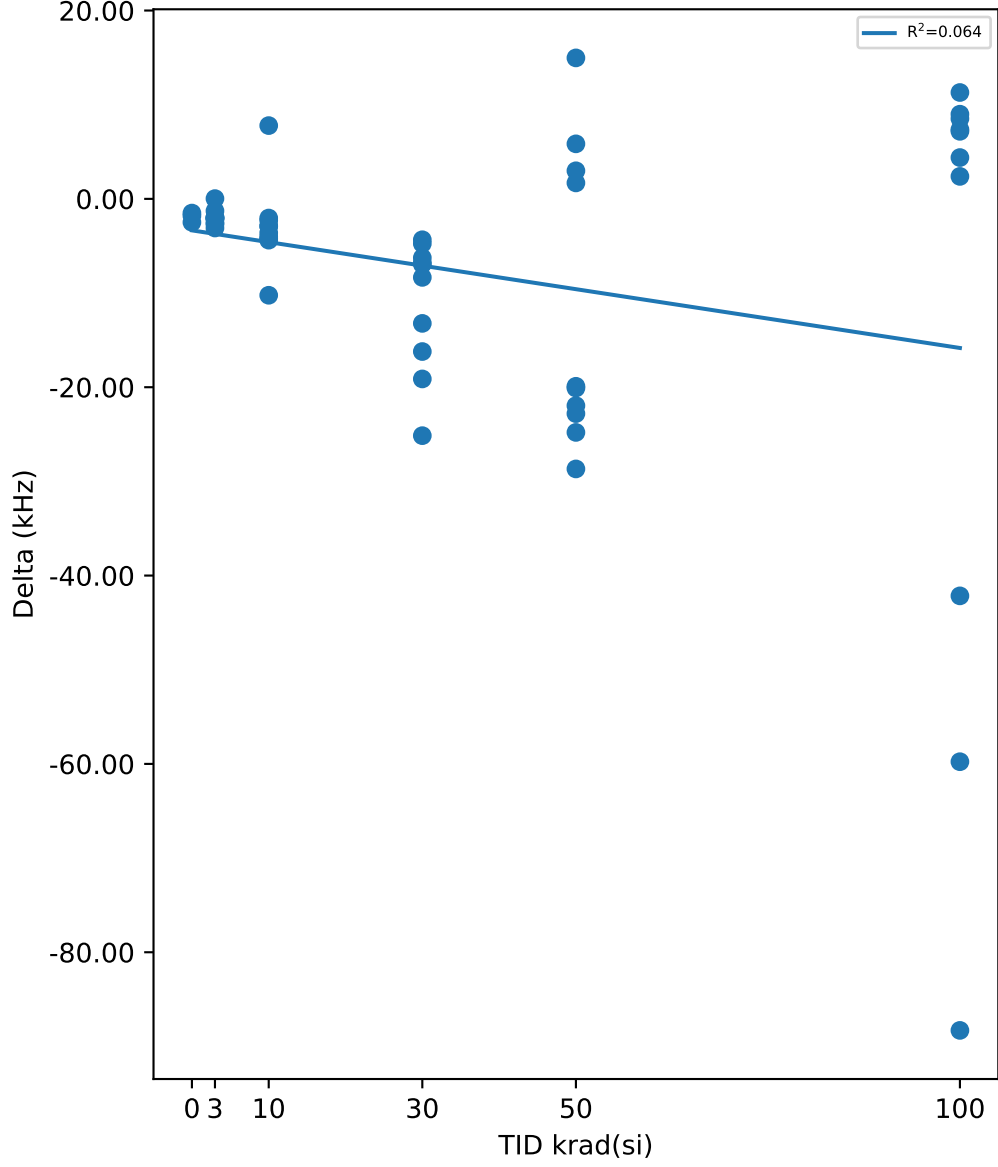
TID vs Result Stats



Test Results (Lower Limit = 870.0, Upper Limit = 1170.0 (kHz))

Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
390	100	Biased	1033.3	973.49	-59.766
392	100	Biased	1034.3	1041.6	7.3671
393	100	Biased	1031.5	1038.7	7.1717
394	100	Biased	1023.1	980.95	-42.156
395	100	Biased	1027.2	938.95	-88.297
412	100	Unbiased	1035.8	1038.2	2.3859
413	100	Unbiased	1038.1	1046.6	8.5182
414	100	Unbiased	1022.4	1033.7	11.296
415	100	Unbiased	1024.8	1033.8	8.9917
416	100	Unbiased	1035	1039.4	4.3879
417	50	Biased	1025.6	1005.7	-19.901
418	50	Biased	1018.5	996.59	-21.96
419	50	Biased	1023.3	1038.3	14.969
421	50	Biased	1023.4	1000.6	-22.802
422	50	Biased	1036.6	1042.5	5.8429
423	50	Unbiased	1028.7	1008.6	-20.085
424	50	Unbiased	1032.7	1035.7	2.9822
425	50	Unbiased	1024.8	1000	-24.799
426	50	Unbiased	1026.8	1028.5	1.6944
427	50	Unbiased	1016.7	987.98	-28.677
463	0	Corr	1026.5	1024	-2.4897
464	0	Corr	1038.3	1036.8	-1.5074
465	0	Corr	1034	1032.2	-1.7926
466	30	Biased	1019.3	1003.1	-16.211
469	30	Biased	1037.8	1031.5	-6.2549
470	30	Biased	1037.6	1032.8	-4.7513
472	30	Biased	1022.8	1015.8	-6.9433
474	30	Biased	1027.3	1020.5	-6.775
475	30	Unbiased	1021.5	1002.4	-19.121
477	30	Unbiased	1025.4	1021.1	-4.3417
478	30	Unbiased	1029.1	1015.9	-13.222
479	30	Unbiased	1034.4	1009.3	-25.144
480	30	Unbiased	1032.2	1023.8	-8.3382
481	10	Biased	1032.7	1030.4	-2.2882
482	10	Biased	1032.2	1030.2	-2.0353
483	10	Biased	1027.8	1024.9	-2.8865
484	10	Biased	1033	1029.4	-3.6099
485	10	Biased	1020.6	1010.3	-10.236
487	10	Unbiased	1026.8	1022.4	-4.3842
488	10	Unbiased	1035.6	1032.7	-2.9014
489	10	Unbiased	1029.8	1037.6	7.7812
490	10	Unbiased	1023.8	1019.8	-4.0401
491	10	Unbiased	1039.1	1034.9	-4.2239
492	3	Biased	1015.9	1013.3	-2.5681
493	3	Biased	1034.5	1032.3	-2.151
494	3	Biased	1032	1030	-2.0941
495	3	Biased	1025.5	1022.8	-2.6579
496	3	Biased	1035	1033	-1.9926
497	3	Unbiased	1028.1	1026.8	-1.2781
498	3	Unbiased	1023.2	1021.2	-1.9436
499	3	Unbiased	1026.4	1023.3	-3.0943
500	3	Unbiased	1025.5	1023.5	-2.0212
502	3	Unbiased	1036	1036.1	0.0295

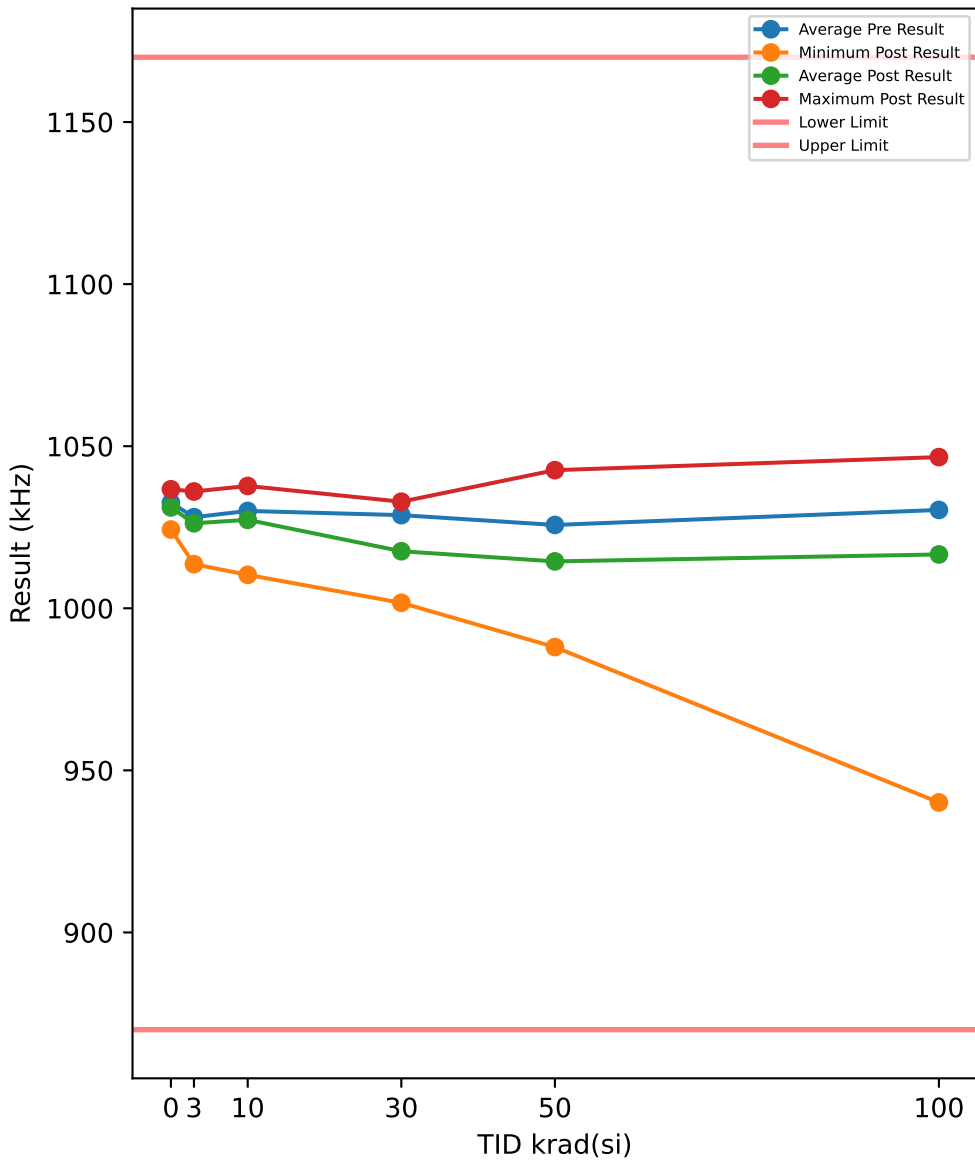
TID vs Post - Pre Exposure Delta



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	1026.5	1032.9	1038.3	5.9676	1024	1031	1036.8	6.4715	-2.4897	-1.9299	-1.5074	0.50534
3	1015.9	1028.2	1036	6.2898	1013.3	1026.2	1036.1	6.7735	-3.0943	-1.9771	0.0295	0.85785
10	1020.6	1030.1	1039.1	5.5584	1010.3	1027.3	1037.6	8.0972	-10.236	-2.8824	7.7812	4.4068
30	1019.3	1028.7	1037.8	6.6225	1002.4	1017.6	1032.8	10.558	-25.144	-11.11	-4.3417	7.0337
50	1016.7	1025.7	1036.6	6.0001	987.98	1014.5	1042.5	19.818	-28.677	-11.274	14.969	15.769
100	1022.4	1030.6	1038.1	5.6936	938.95	1016.5	1046.6	37.636	-88.297	-14.01	11.296	35.892

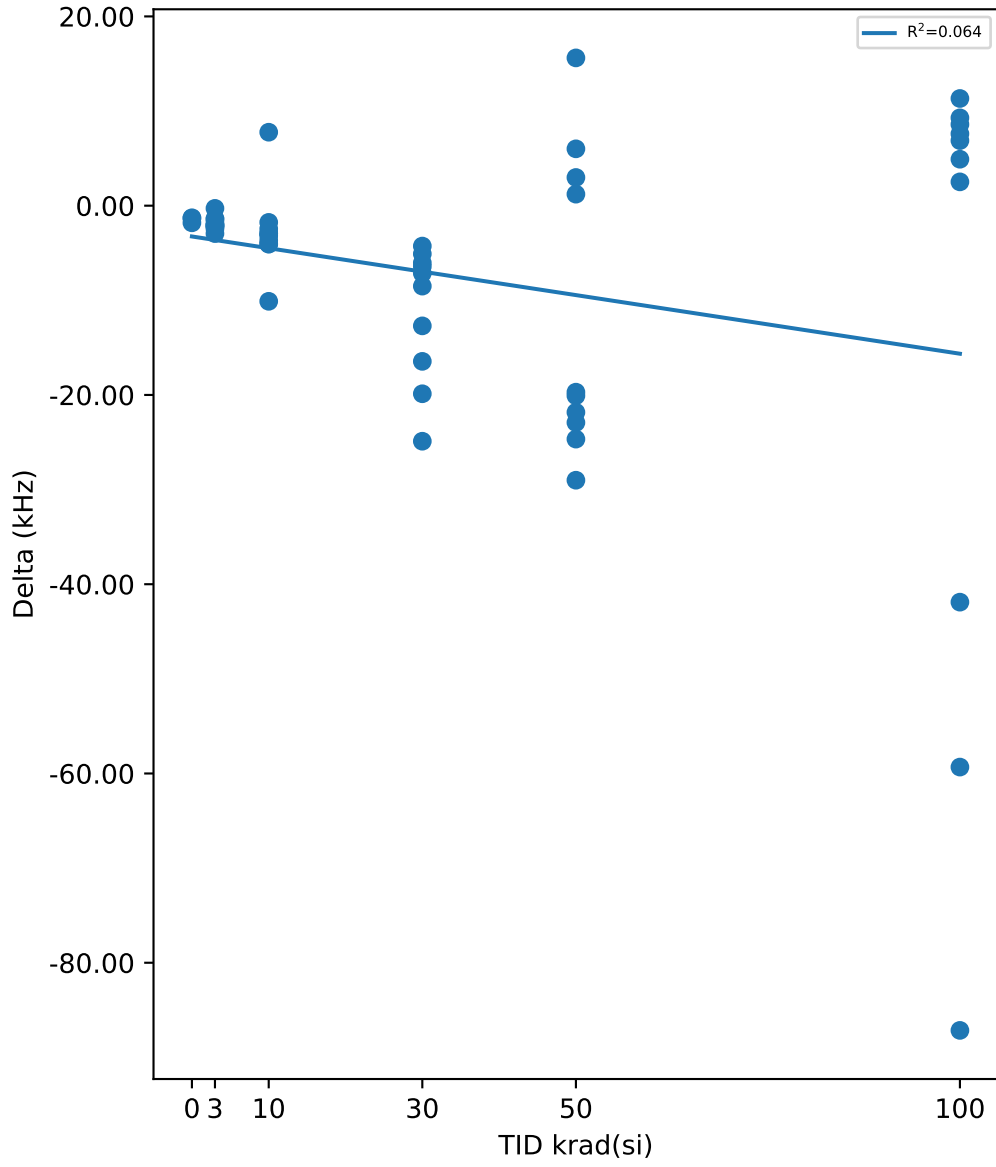
TID vs Result Stats



Test Results (Lower Limit = 870.0, Upper Limit = 1170.0 (kHz))

Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
390	100	Biased	1032.8	973.53	-59.323
392	100	Biased	1034	1041.6	7.5996
393	100	Biased	1031.5	1038.4	6.8809
394	100	Biased	1022.6	980.73	-41.895
395	100	Biased	1027.2	940.1	-87.148
412	100	Unbiased	1035.6	1038.1	2.5162
413	100	Unbiased	1038	1046.6	8.5864
414	100	Unbiased	1022.1	1033.4	11.329
415	100	Unbiased	1024.6	1033.9	9.2825
416	100	Unbiased	1034.8	1039.7	4.9089
417	50	Biased	1025.6	1005.9	-19.706
418	50	Biased	1018.5	996.66	-21.834
419	50	Biased	1023.1	1038.7	15.616
421	50	Biased	1023.5	1000.6	-22.915
422	50	Biased	1036.6	1042.6	6.0077
423	50	Unbiased	1028.7	1008.6	-20.078
424	50	Unbiased	1032.3	1035.3	2.9804
425	50	Unbiased	1024.6	999.96	-24.666
426	50	Unbiased	1027.1	1028.3	1.2171
427	50	Unbiased	1017	988.03	-29.01
463	0	Corr	1026.1	1024.3	-1.8106
464	0	Corr	1038	1036.7	-1.3262
465	0	Corr	1033.6	1032.3	-1.2796
466	30	Biased	1019.2	1002.7	-16.451
469	30	Biased	1037.7	1031.2	-6.4239
470	30	Biased	1038	1032.9	-5.0927
472	30	Biased	1022.9	1015.7	-7.1418
474	30	Biased	1027	1020.9	-6.0355
475	30	Unbiased	1021.6	1001.7	-19.875
477	30	Unbiased	1025.6	1021.3	-4.2674
478	30	Unbiased	1028.6	1015.9	-12.701
479	30	Unbiased	1034.7	1009.8	-24.89
480	30	Unbiased	1032.3	1023.8	-8.4999
481	10	Biased	1032.8	1030.4	-2.4472
482	10	Biased	1032	1030.2	-1.764
483	10	Biased	1028.1	1025.1	-2.9707
484	10	Biased	1032.5	1029.6	-2.9063
485	10	Biased	1020.4	1010.3	-10.105
487	10	Unbiased	1026.4	1022.4	-4.061
488	10	Unbiased	1035.8	1032.6	-3.1842
489	10	Unbiased	1030	1037.7	7.7633
490	10	Unbiased	1023.6	1020	-3.6781
491	10	Unbiased	1038.6	1034.6	-4.0409
492	3	Biased	1015.8	1013.6	-2.2226
493	3	Biased	1034.1	1032	-2.0864
494	3	Biased	1032.1	1029.7	-2.427
495	3	Biased	1024.9	1022.8	-2.0931
496	3	Biased	1034.9	1033.1	-1.8049
497	3	Unbiased	1028.1	1026.6	-1.4258
498	3	Unbiased	1023.3	1021.3	-2.0494
499	3	Unbiased	1026.3	1023.4	-2.9482
500	3	Unbiased	1025	1023.6	-1.3656
502	3	Unbiased	1036.3	1036	-0.2831

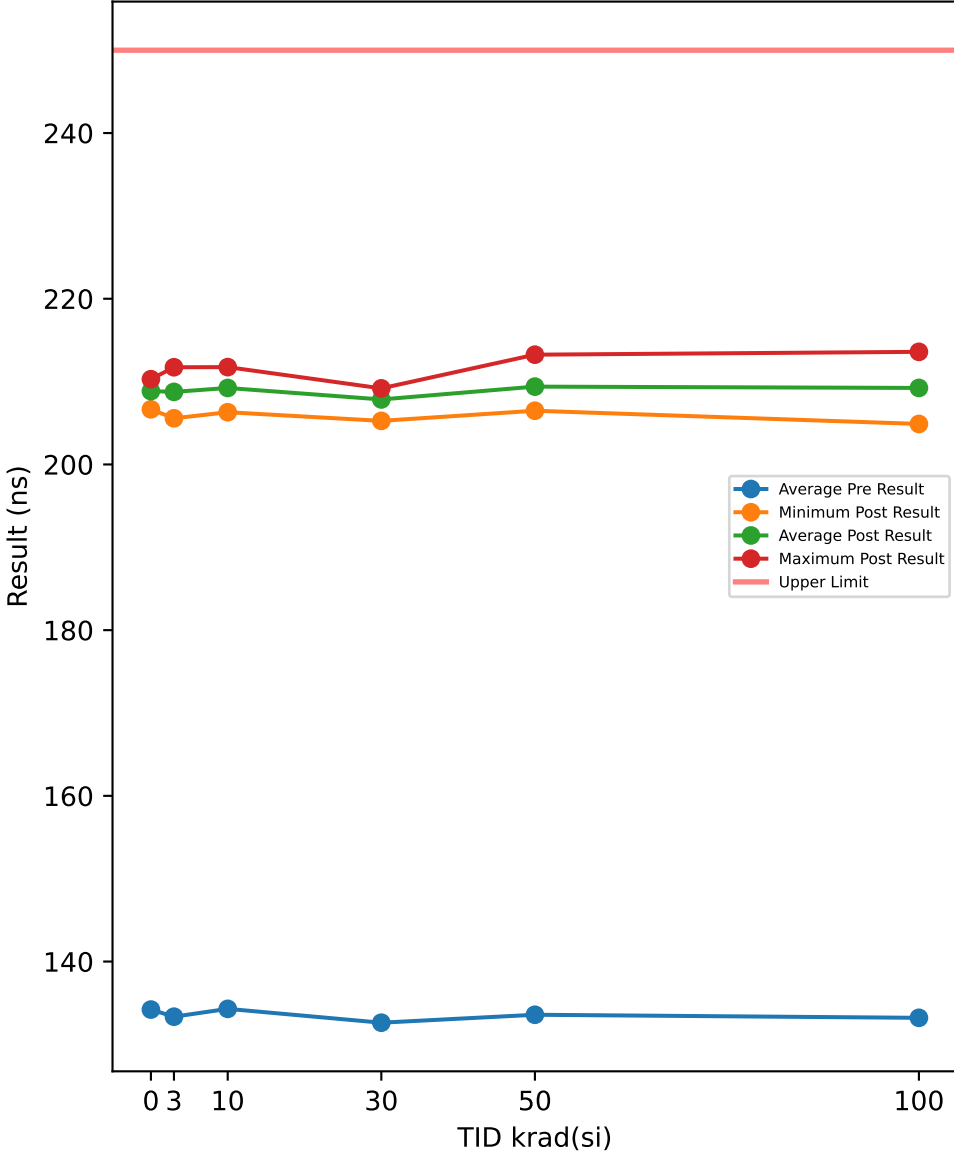
TID vs Post - Pre Exposure Delta



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	1026.1	1032.6	1038	6.0361	1024.3	1031.1	1036.7	6.3015	-1.8106	-1.4721	-1.2796	0.29405
3	1015.8	1028.1	1036.3	6.3519	1013.6	1026.2	1036	6.6684	-2.9482	-1.8706	-0.2831	0.72266
10	1020.4	1030	1038.6	5.5185	1010.3	1027.3	1037.7	8.0569	-10.105	-2.7394	7.7633	4.3486
30	1019.2	1028.7	1038	6.6901	1001.7	1017.6	1032.9	10.662	-24.89	-11.138	-4.2674	7.0794
50	1017	1025.7	1036.6	5.9027	988.03	1014.5	1042.6	19.803	-29.01	-11.239	15.616	15.883
100	1022.1	1030.3	1038	5.7486	940.1	1016.6	1046.6	37.376	-87.148	-13.726	11.329	35.604

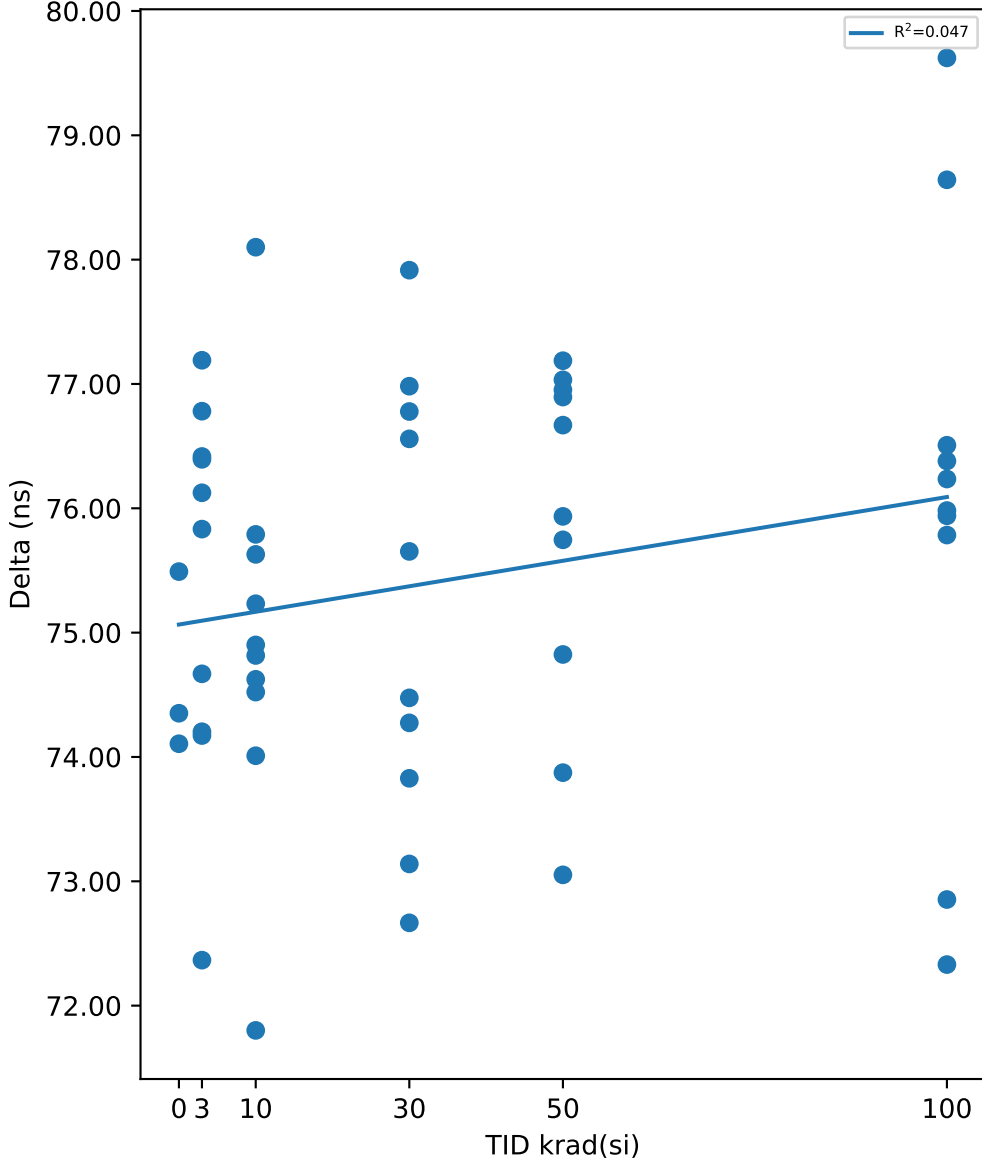
TID vs Result Stats



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

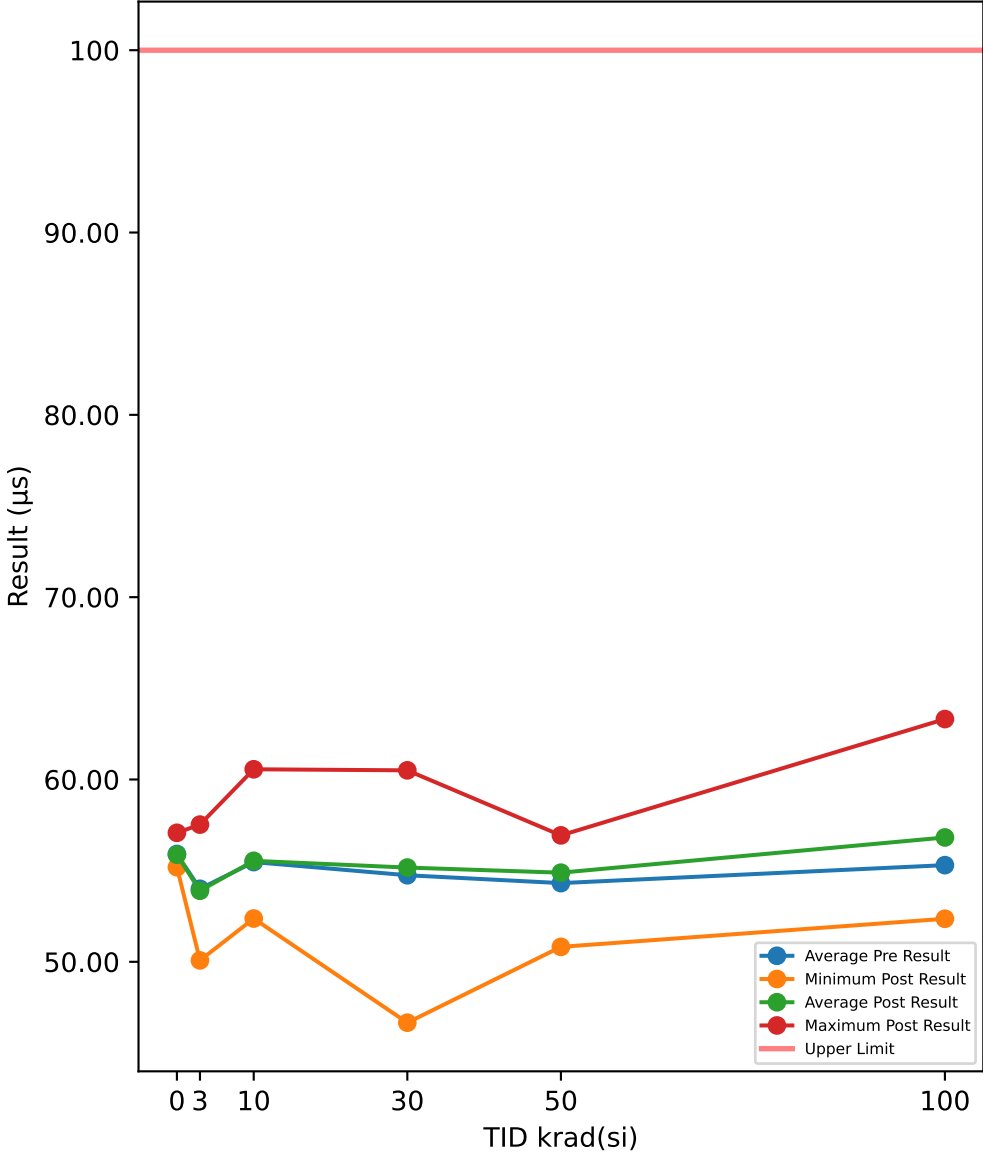
TID vs Post - Pre Exposure Delta



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

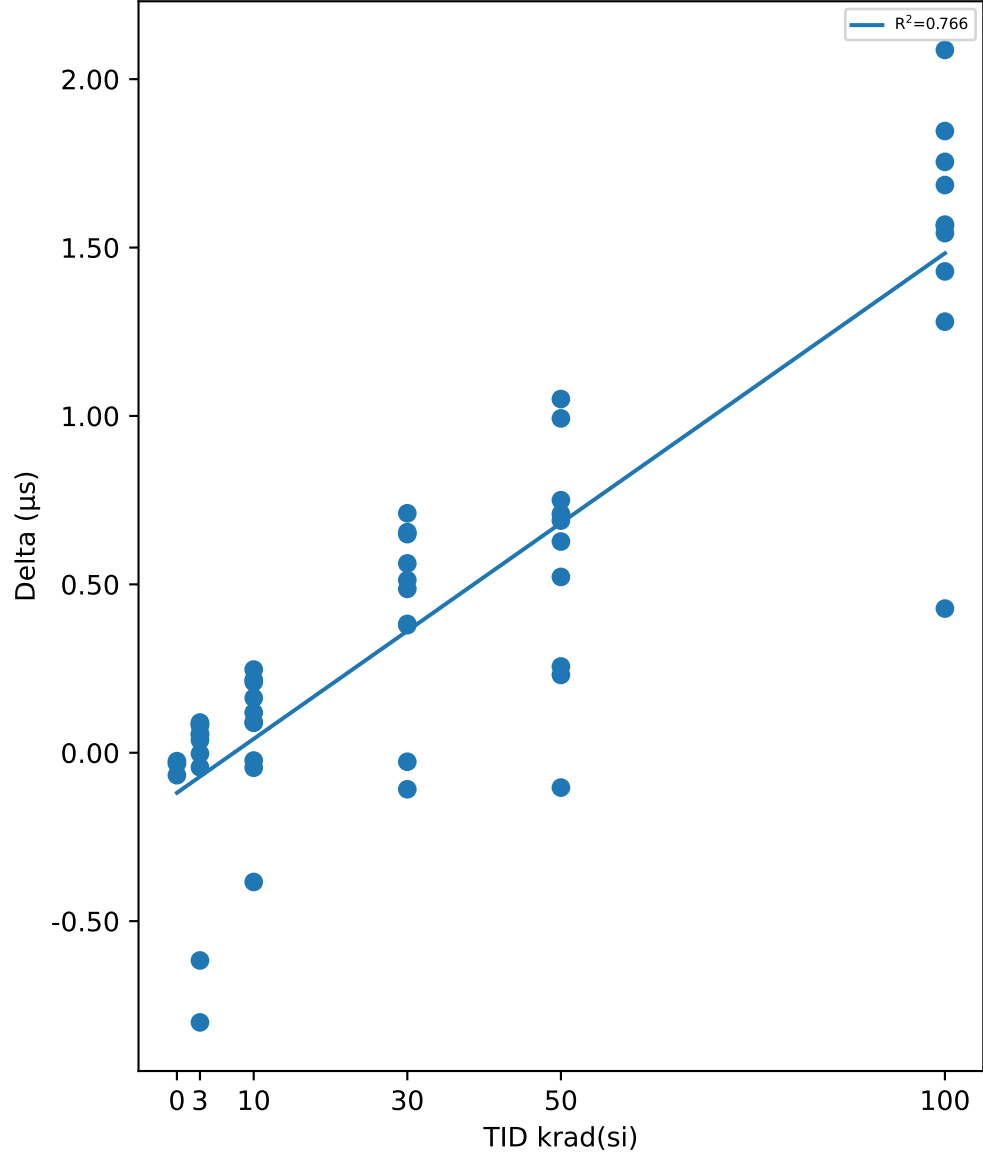
TID vs Result Stats



Test Results (Upper Limit = 100.0 (µs))

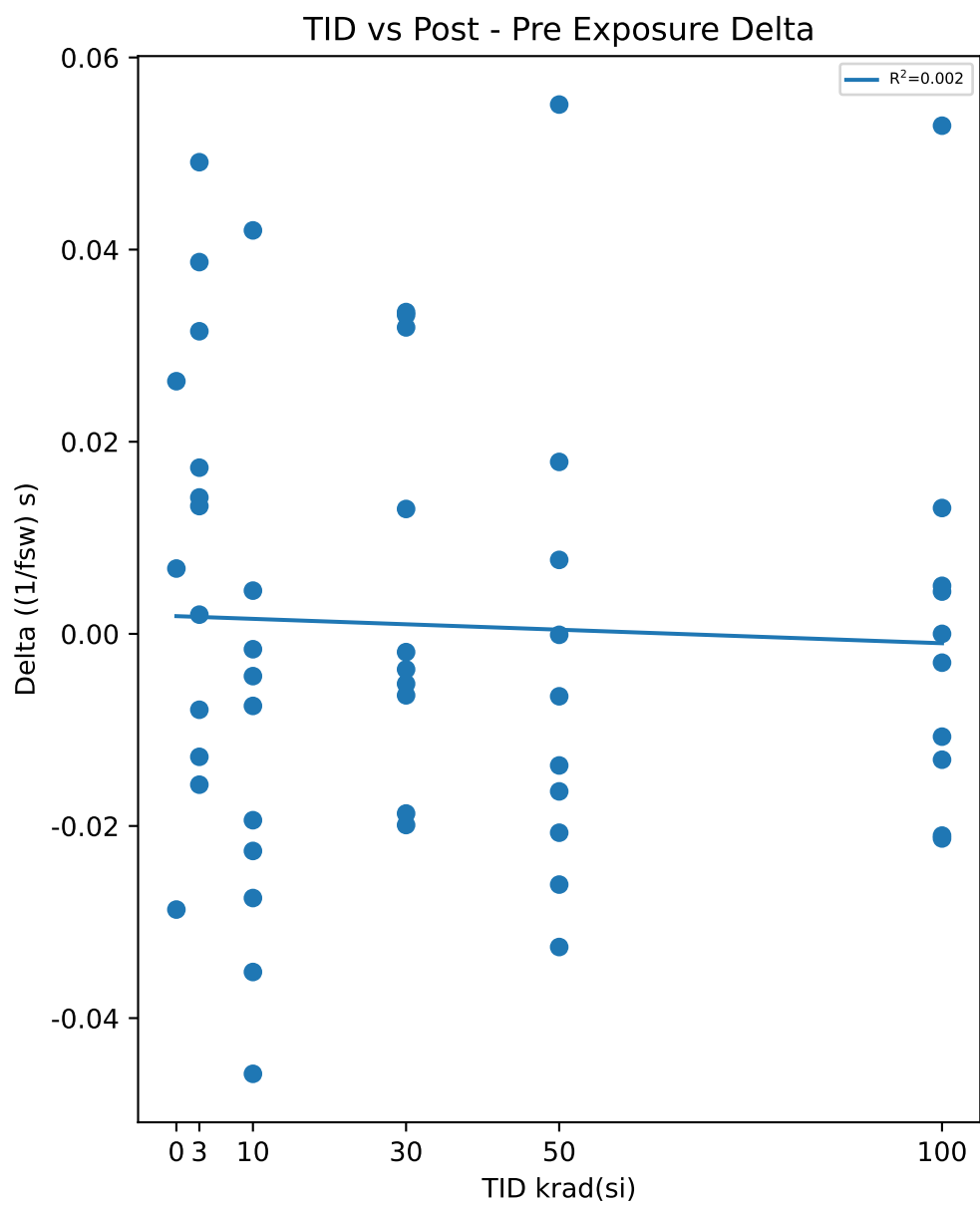
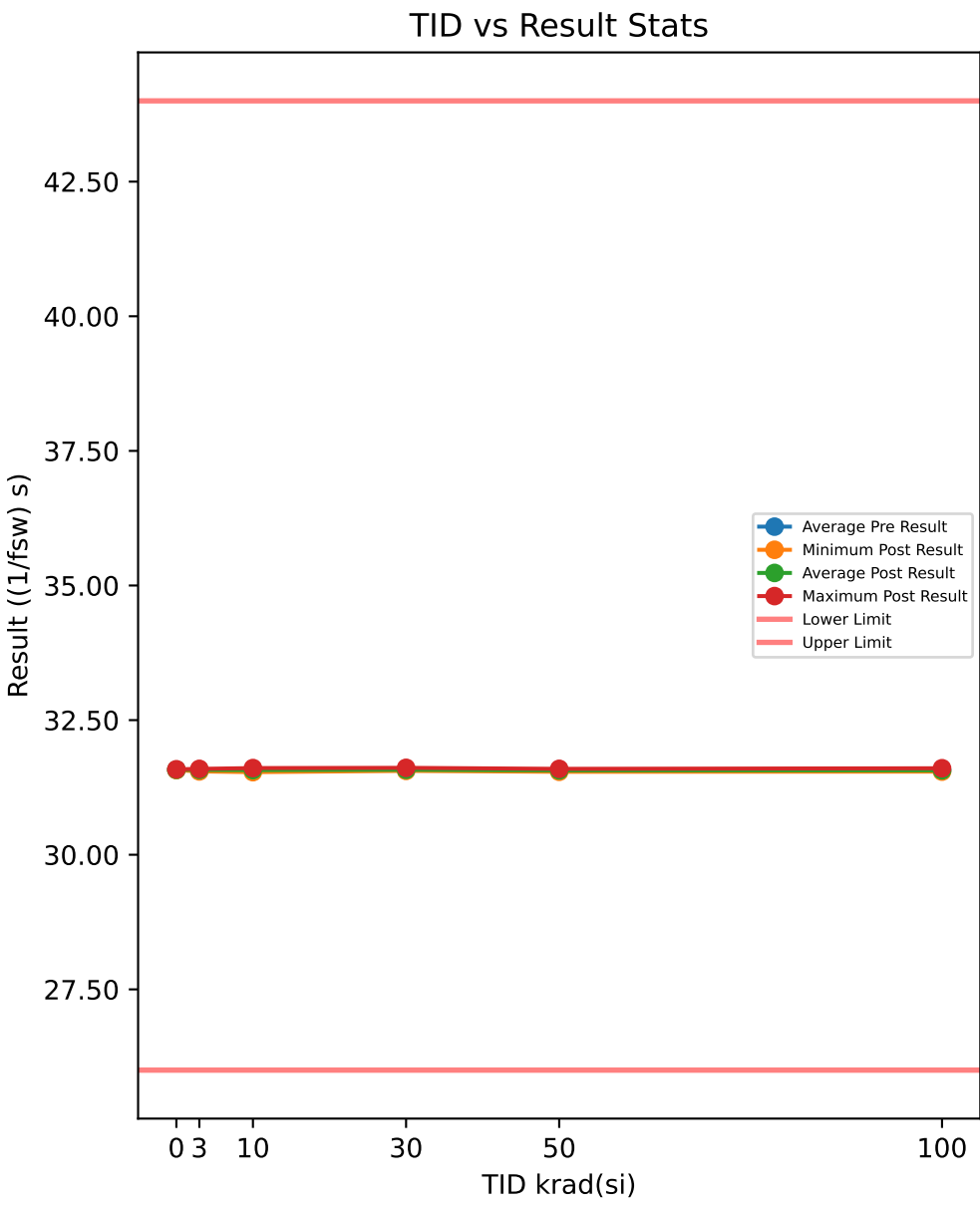
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
390	100	Biased	52.897	53.325	0.4281
392	100	Biased	53.567	55.109	1.5429
393	100	Biased	55.228	57.074	1.846
394	100	Biased	50.796	52.361	1.5647
395	100	Biased	61.885	63.314	1.4292
412	100	Unbiased	54.295	56.05	1.7545
413	100	Unbiased	57.667	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

TID vs Post - Pre Exposure Delta



Test Statistics (µs)

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	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



Test Results (Lower Limit = 26.0, Upper Limit = 44.0 ((1/fsw) s))

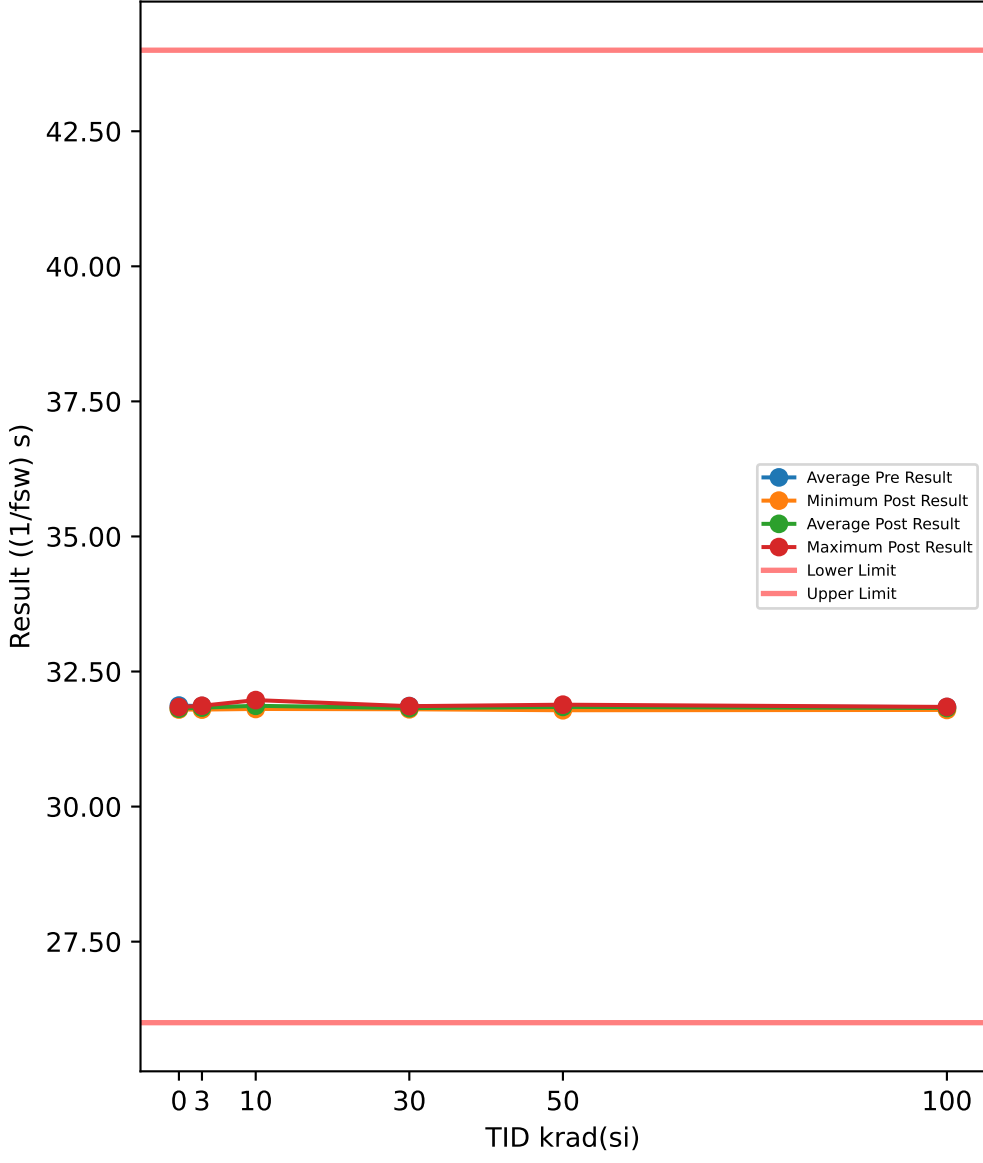
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
390	100	Biased	31.588	31.585	-0.003
392	100	Biased	31.569	31.573	0.0044
393	100	Biased	31.553	31.606	0.0529
394	100	Biased	31.573	31.563	-0.0107
395	100	Biased	31.579	31.584	0.005
412	100	Unbiased	31.568	31.547	-0.0213
413	100	Unbiased	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)

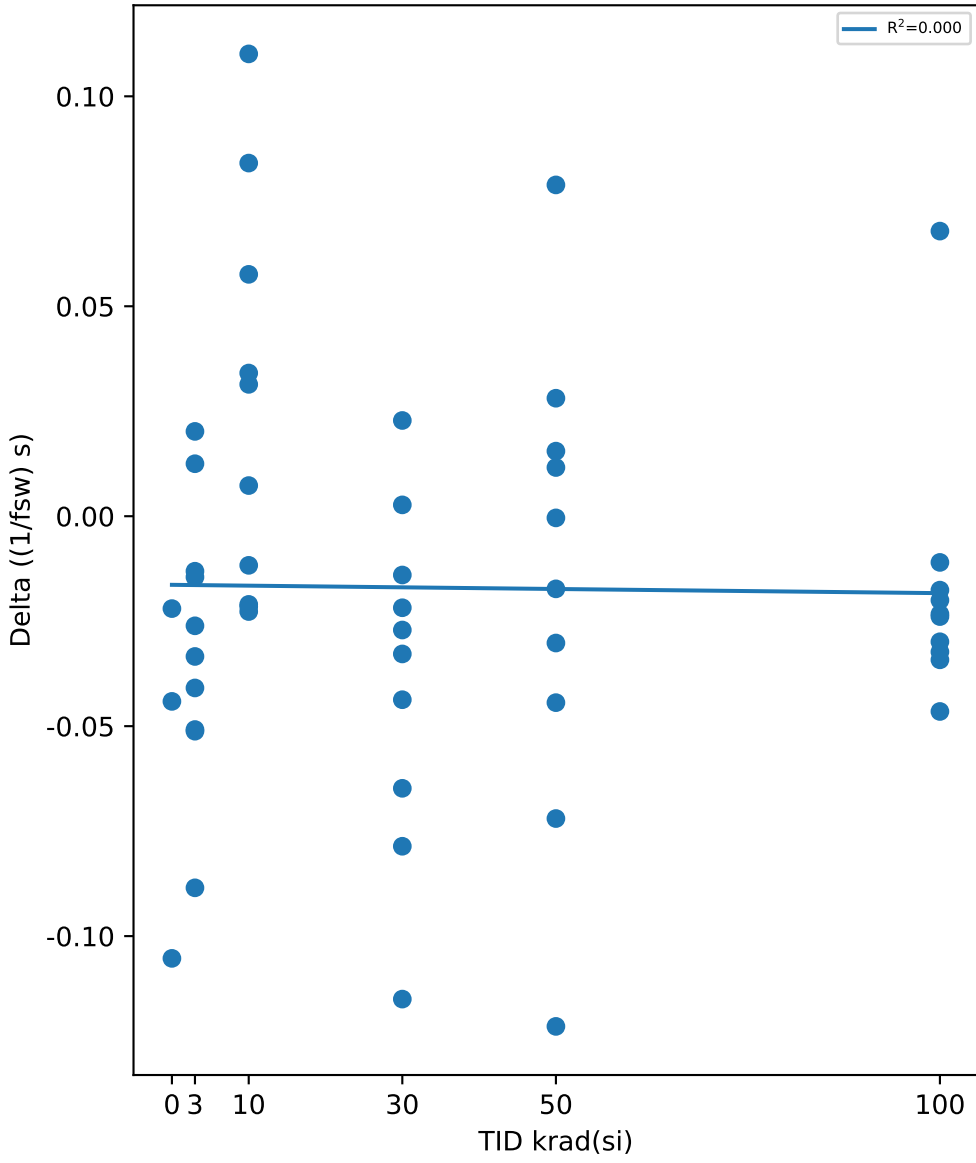
TID vs Result Stats



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

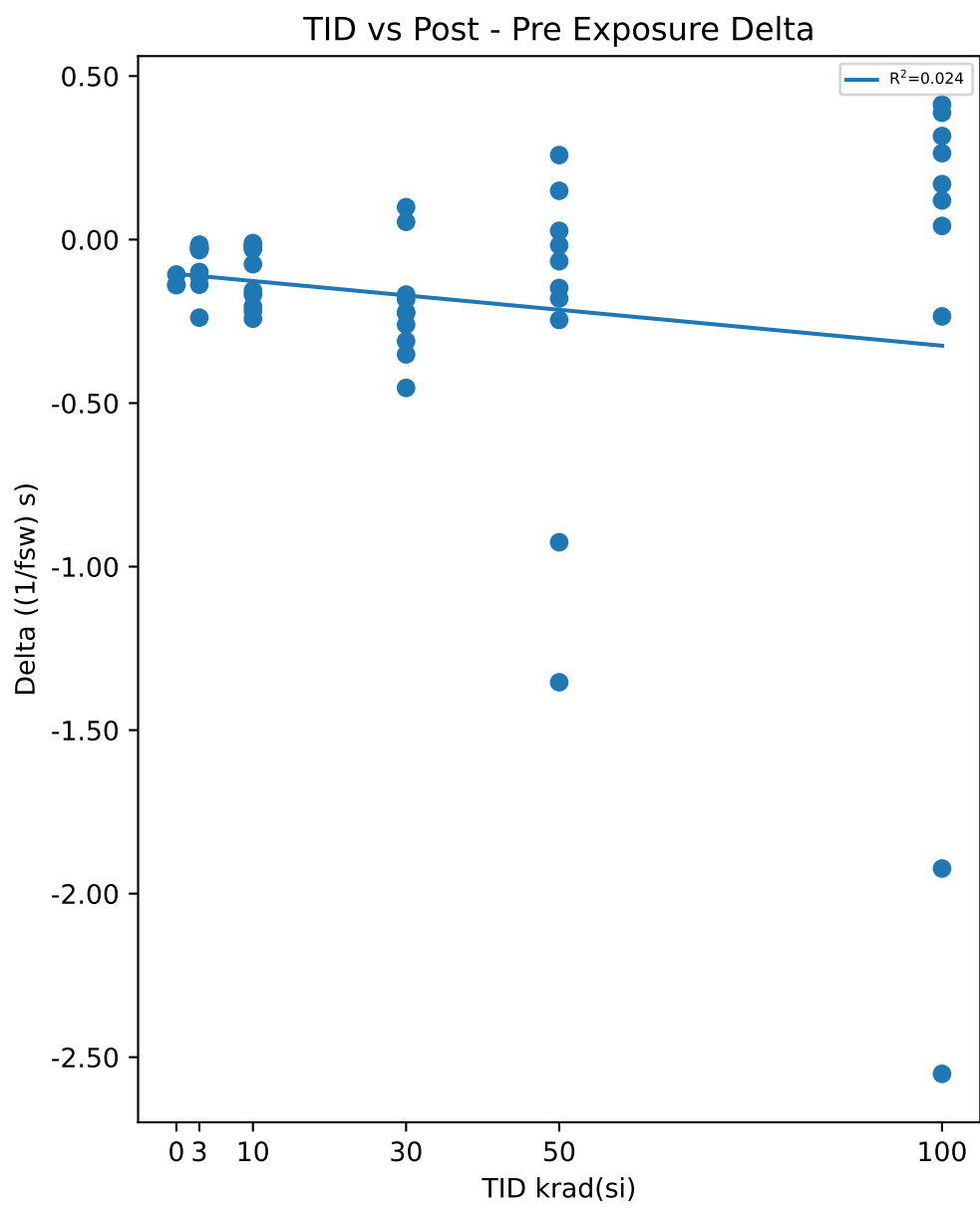
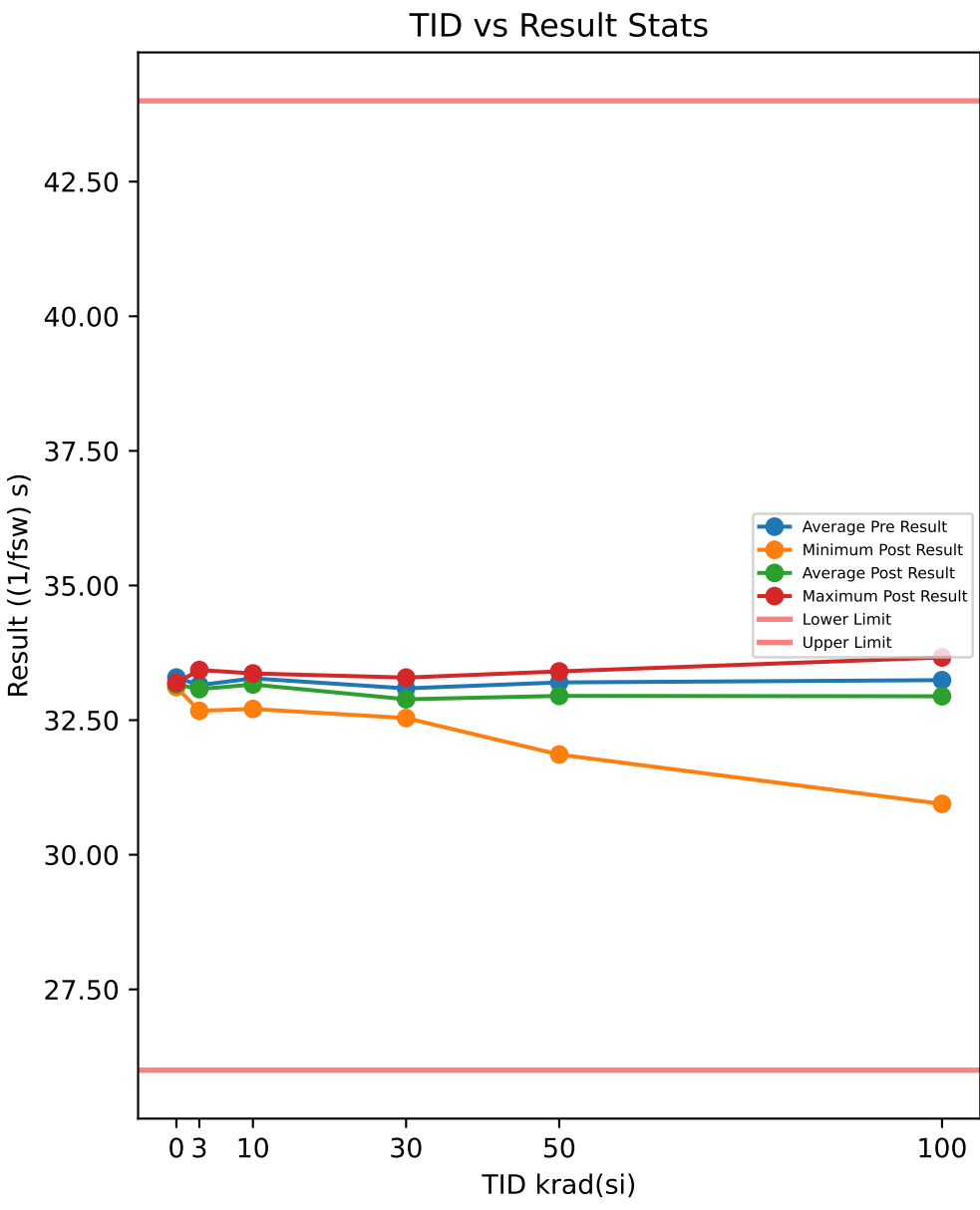
TID vs Post - Pre Exposure Delta



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)



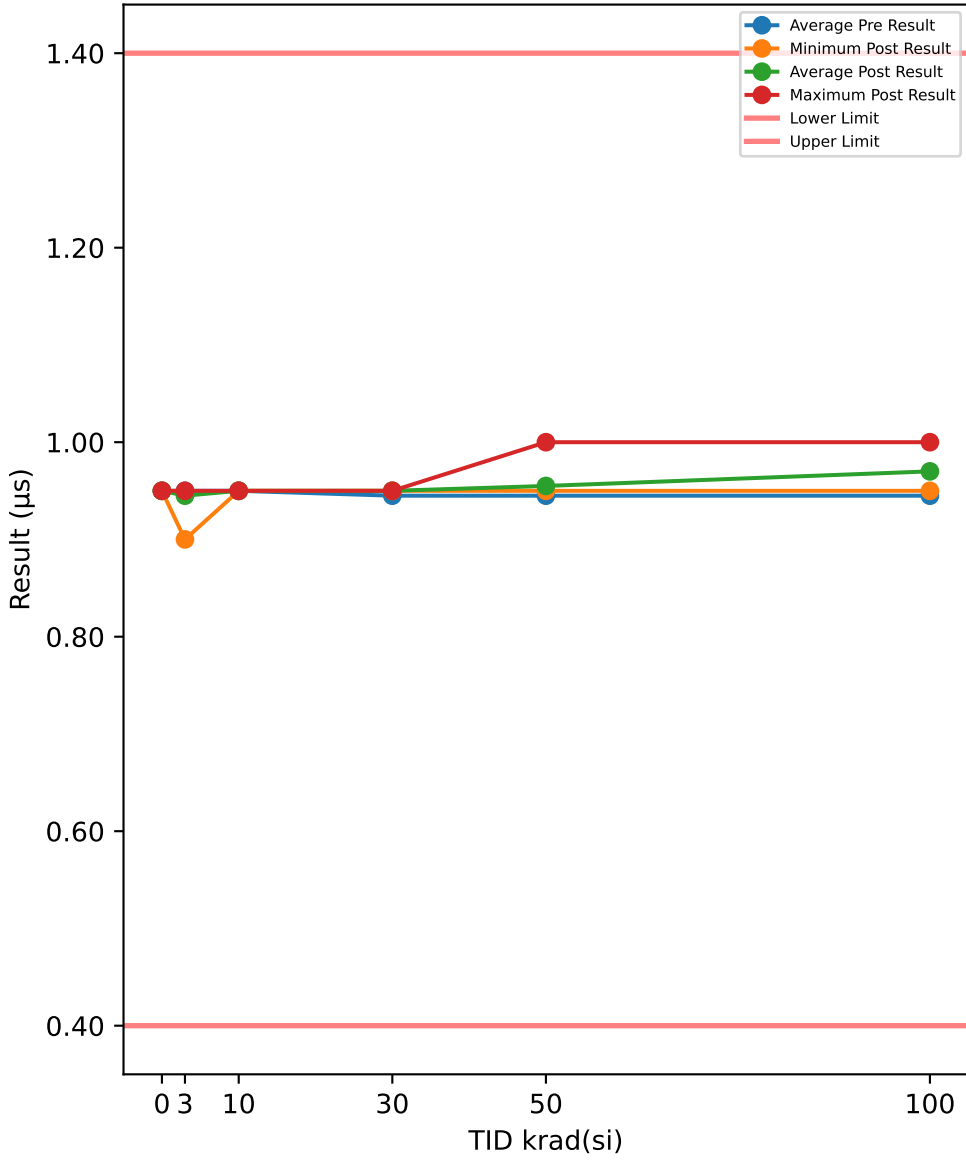
Test Results (Lower Limit = 26.0, Upper Limit = 44.0 ((1/fsw) s))

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

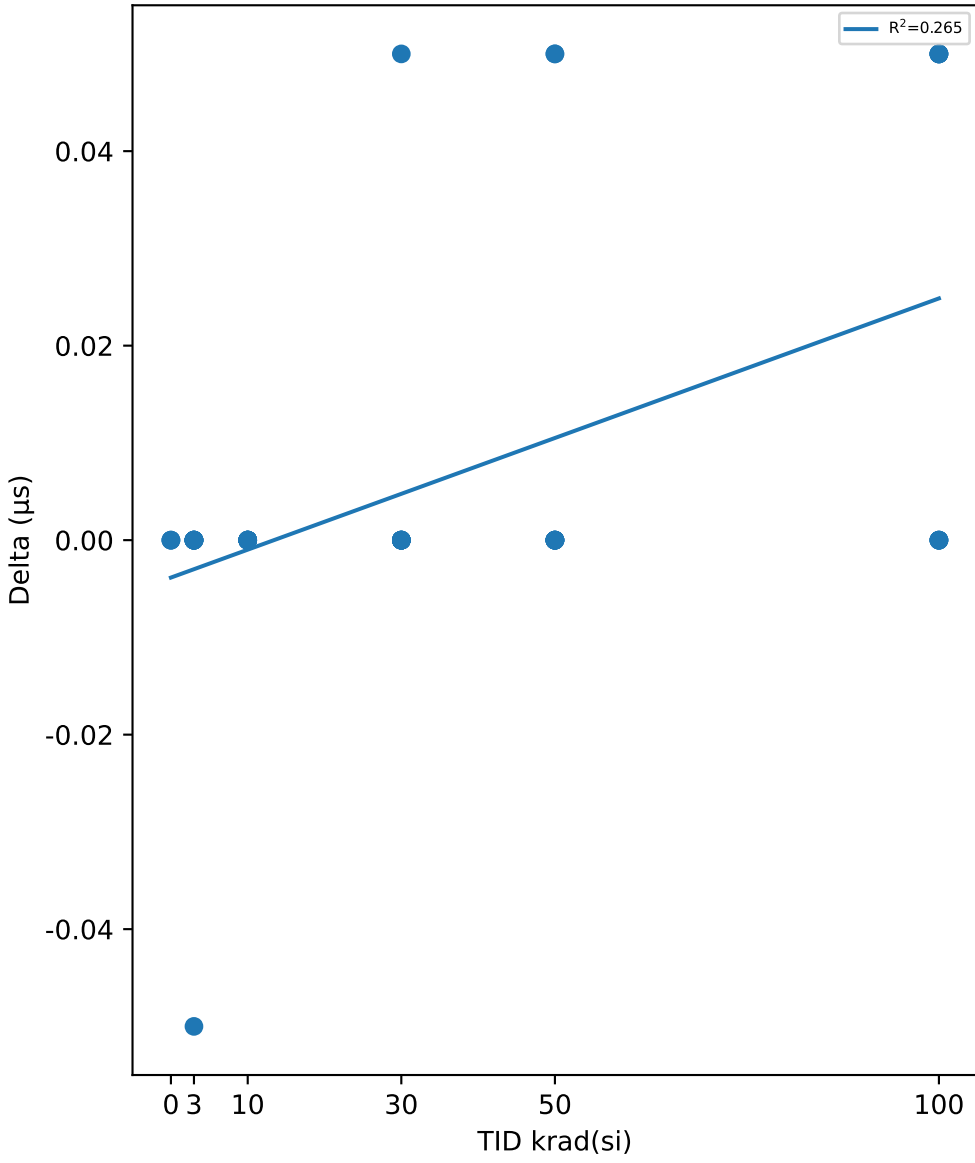
TID vs Result Stats



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

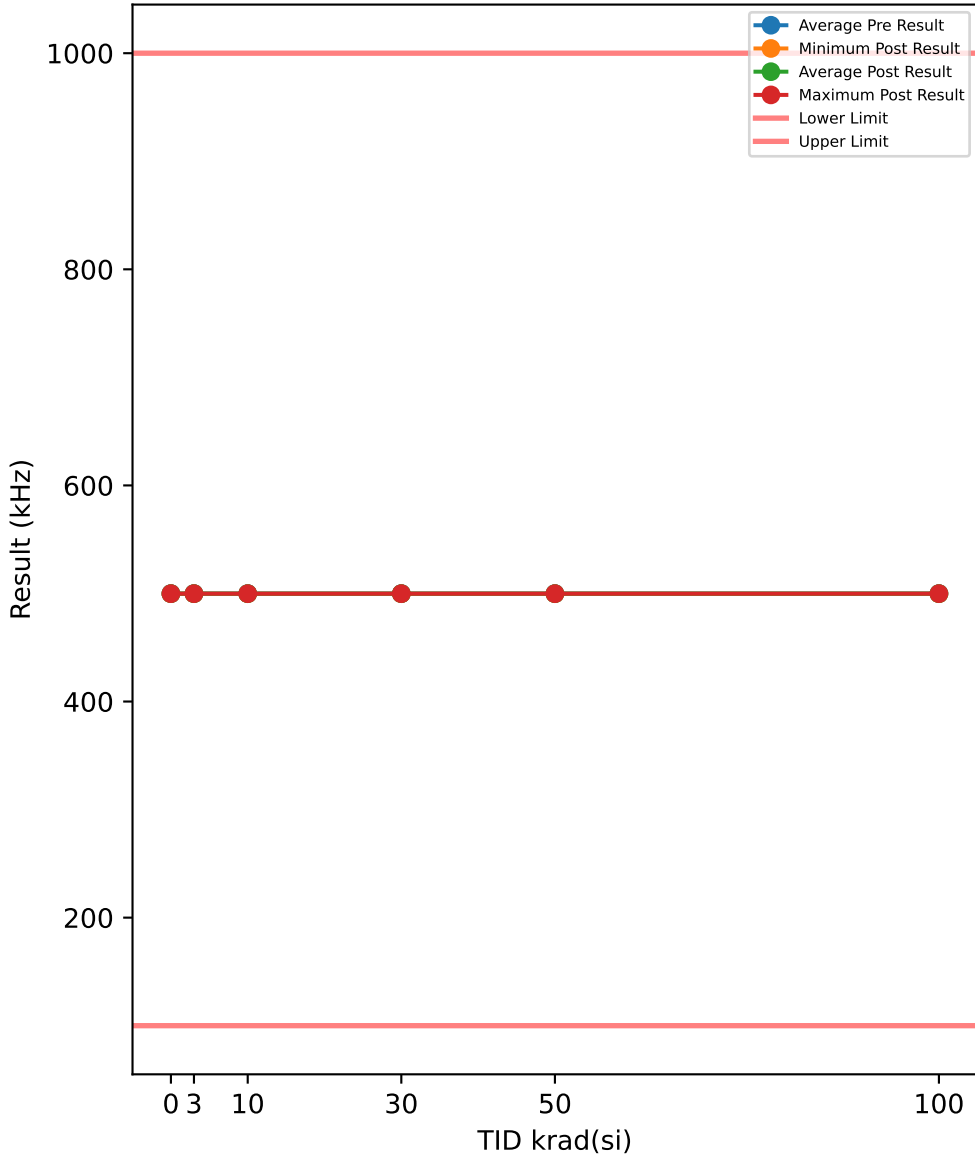
TID vs Post - Pre Exposure Delta



Test Statistics (µs)

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	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

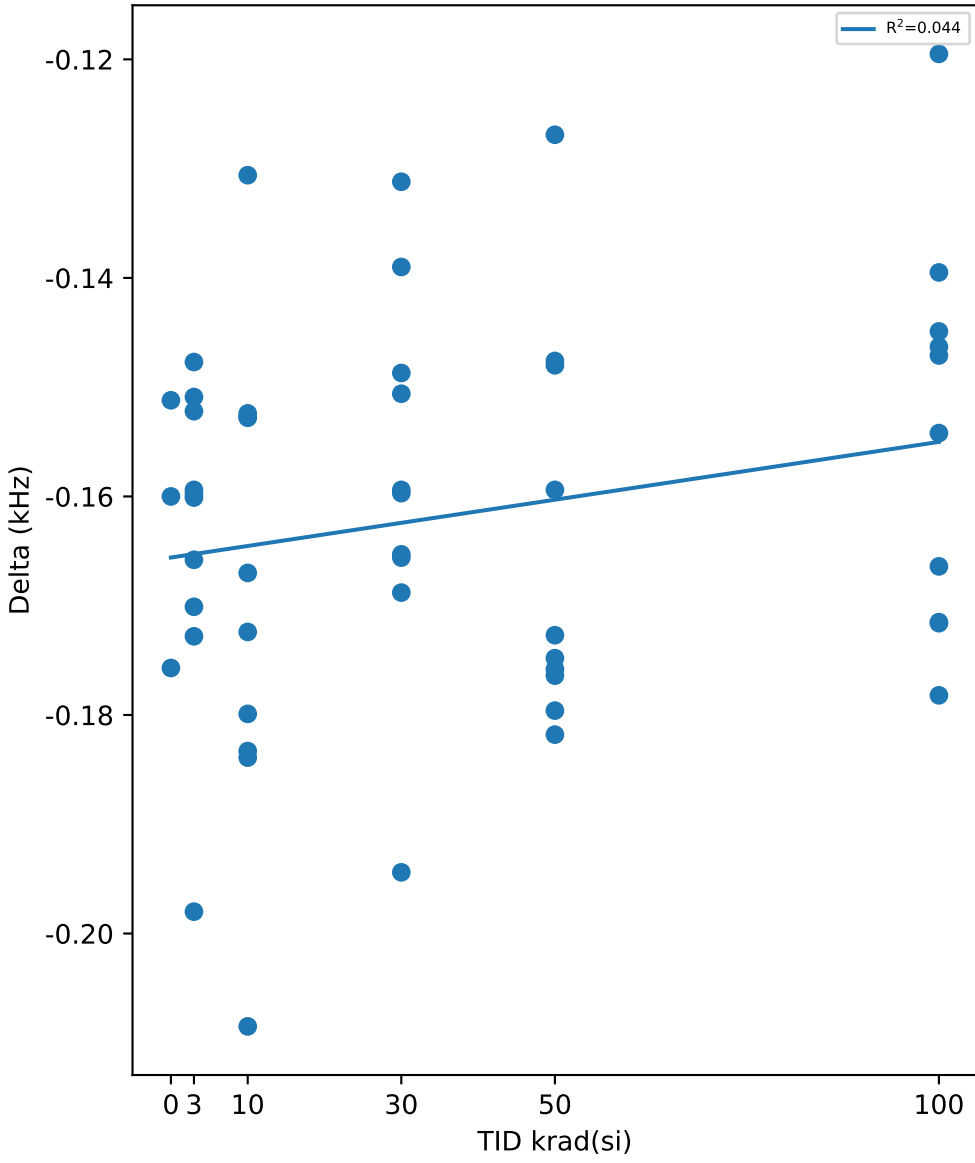
TID vs Result Stats



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

TID vs Post - Pre Exposure Delta

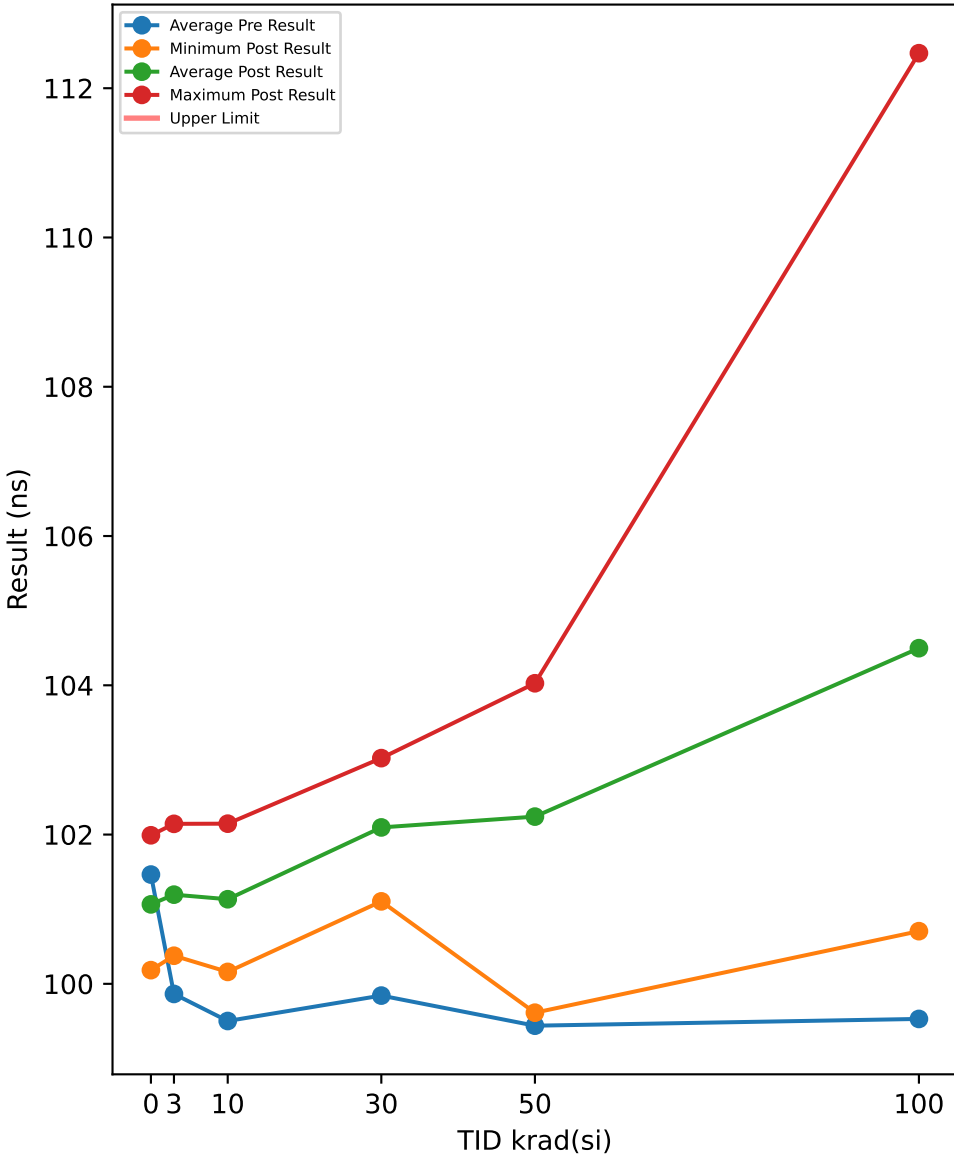


Test Statistics (kHz)

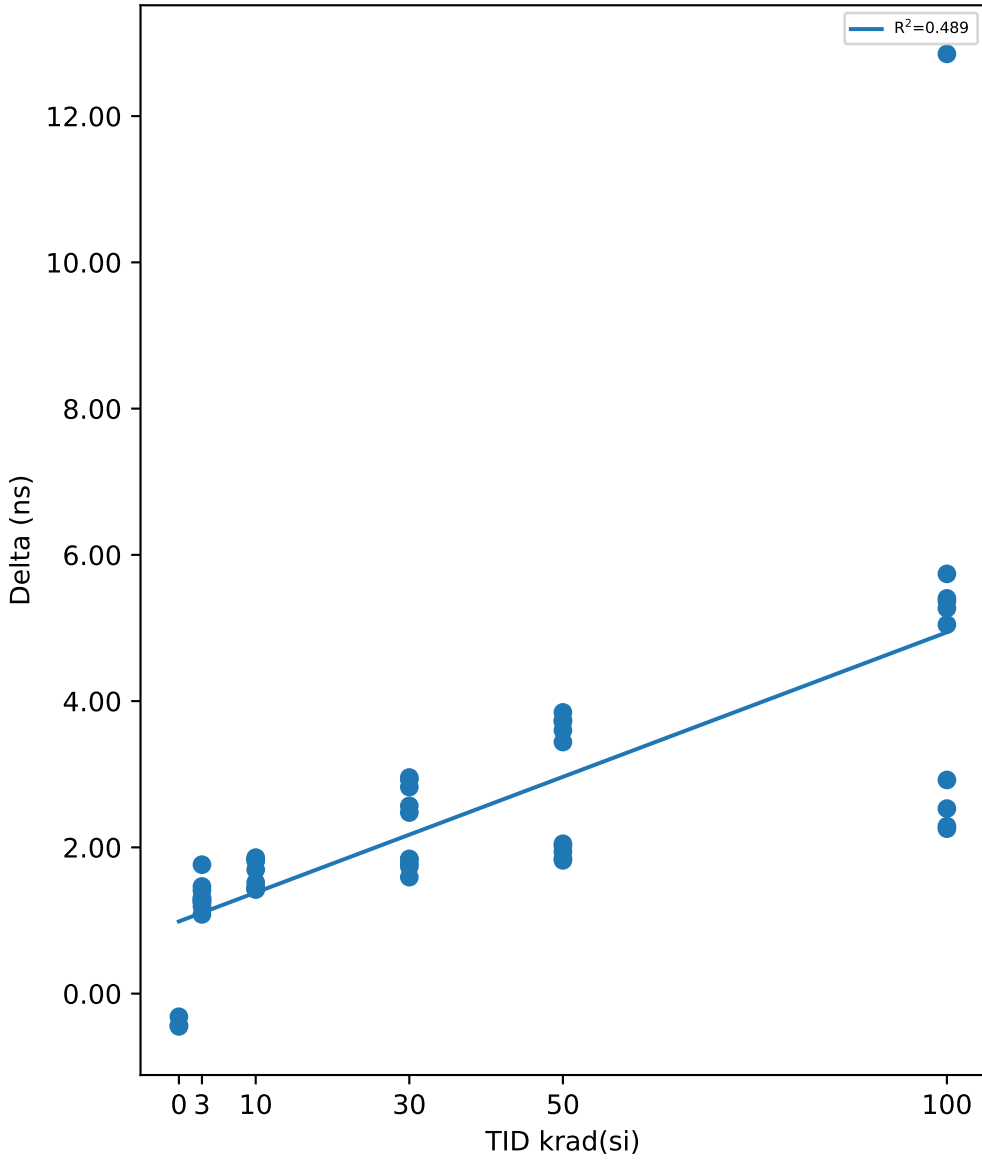
krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	499.96	499.96	499.97	0.0073358	499.8	499.8	499.81	0.0074675	-0.1757	-0.1623	-0.1512	0.012411
3	499.96	499.97	499.99	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)

TID vs Result Stats



TID vs Post - Pre Exposure Delta



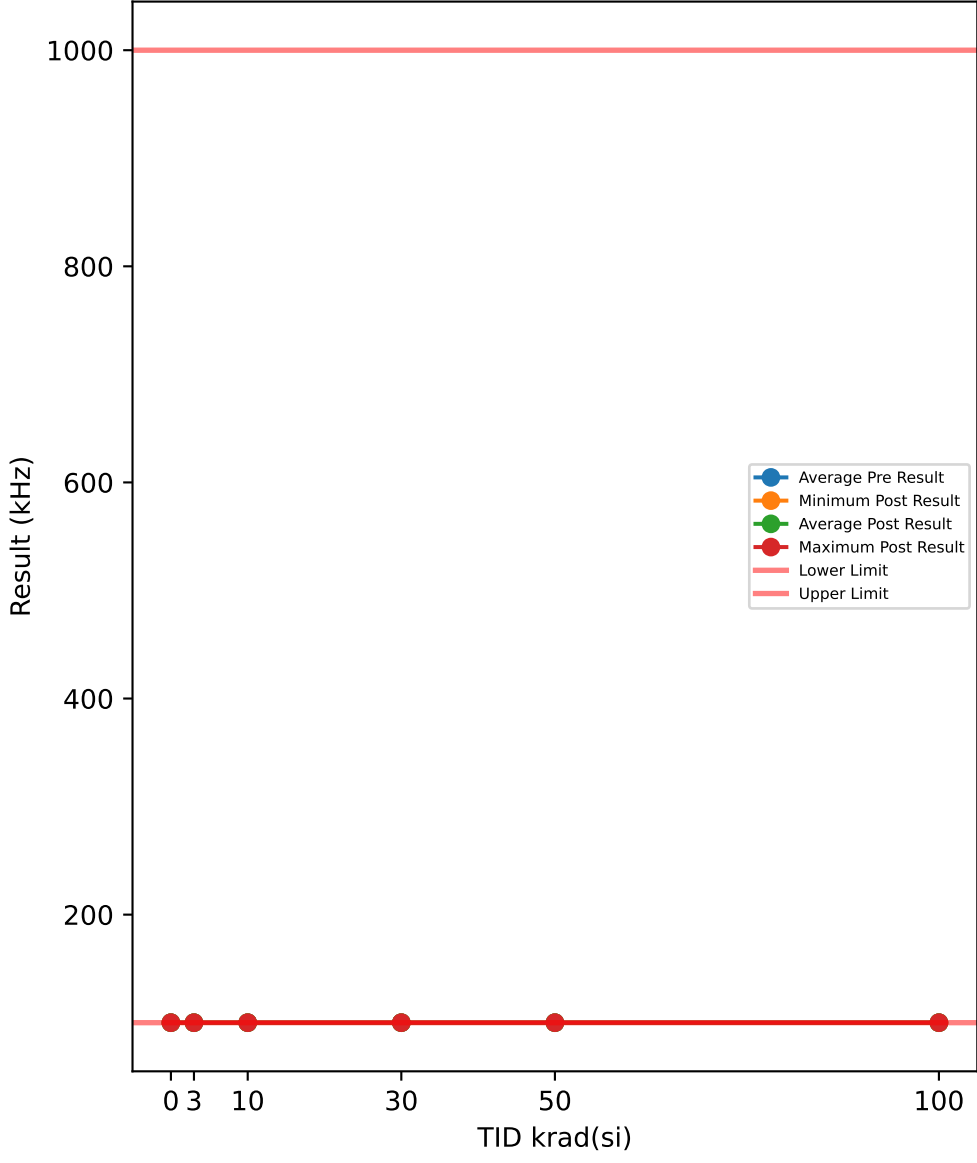
Test Results (No Limits Specified (ns))

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

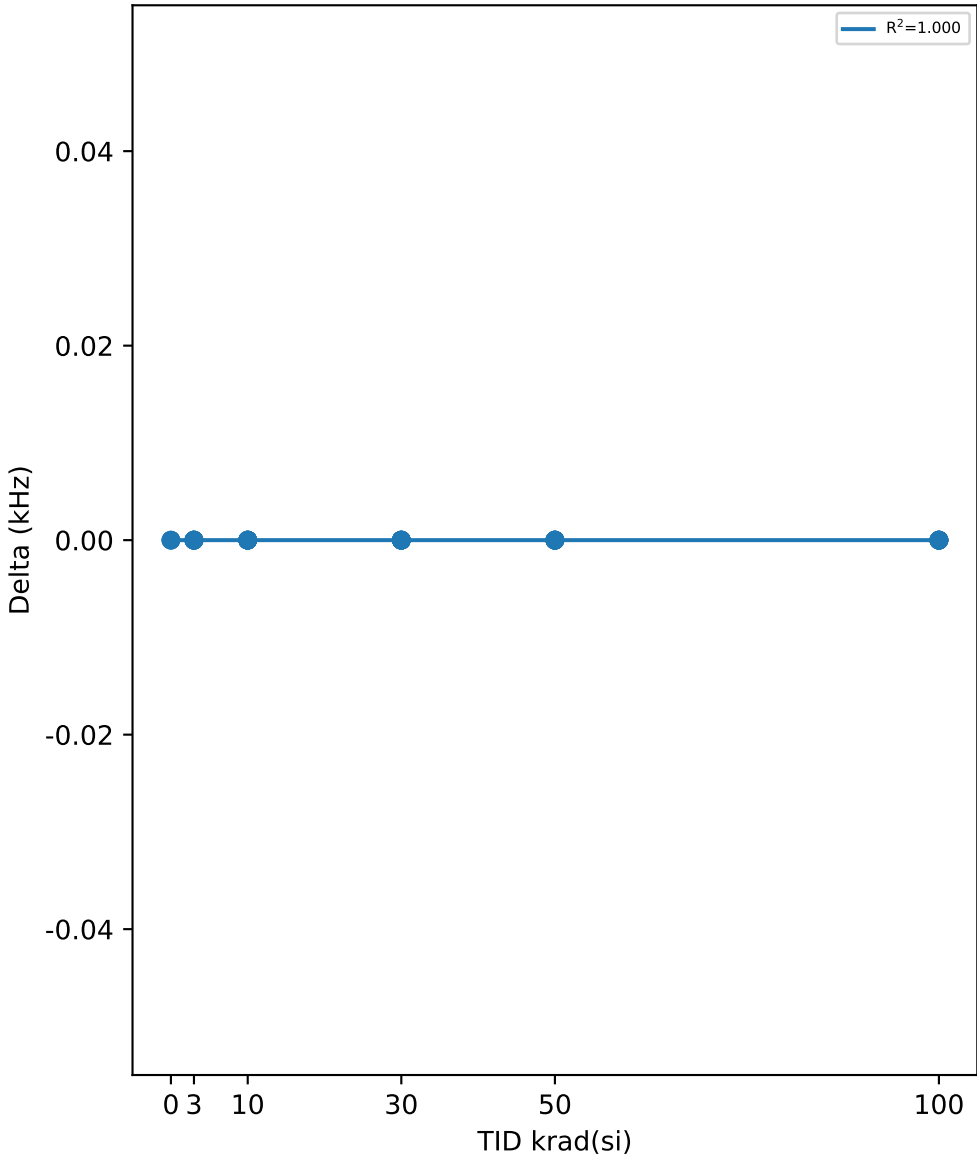
TID vs Result Stats



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

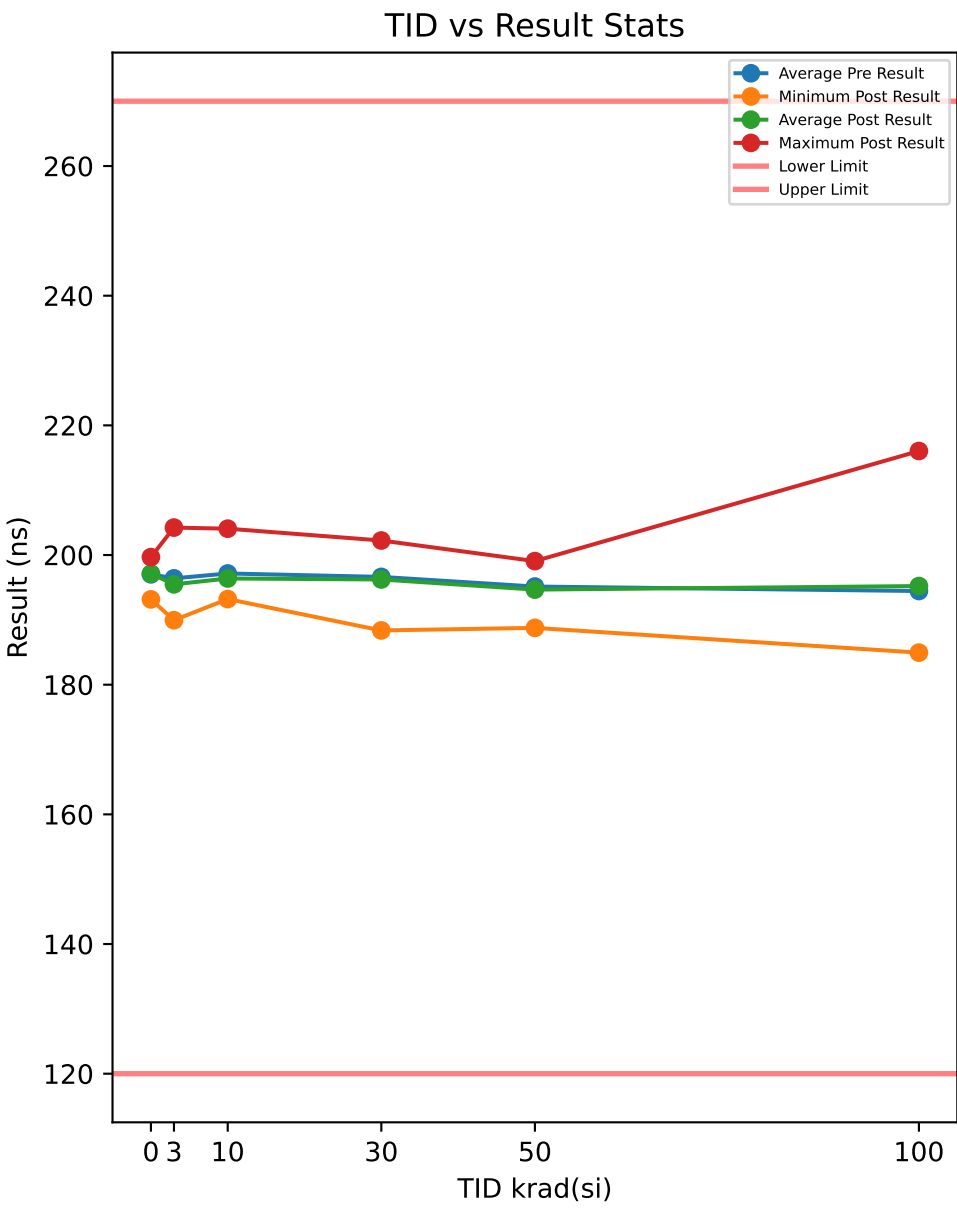
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
390	100	Biased	100	100	0
392	100	Biased	100	100	0
393	100	Biased	100	100	0
394	100	Biased	100	100	0
395	100	Biased	100	100	0
412	100	Unbiased	100	100	0
413	100	Unbiased	100	100	0
414	100	Unbiased	100	100	0
415	100	Unbiased	100	100	0
416	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

TID vs Post - Pre Exposure Delta



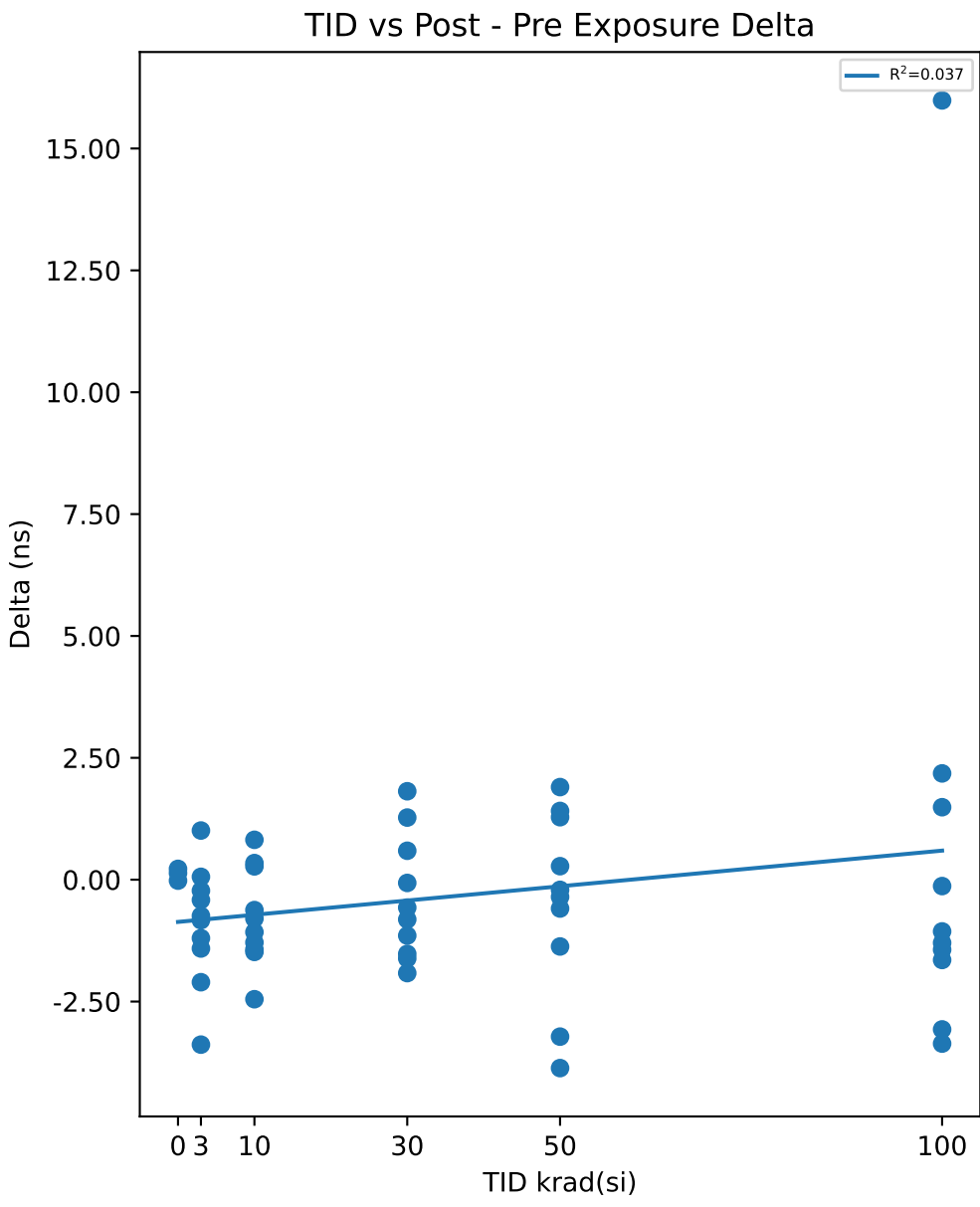
Test Statistics (kHz)

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



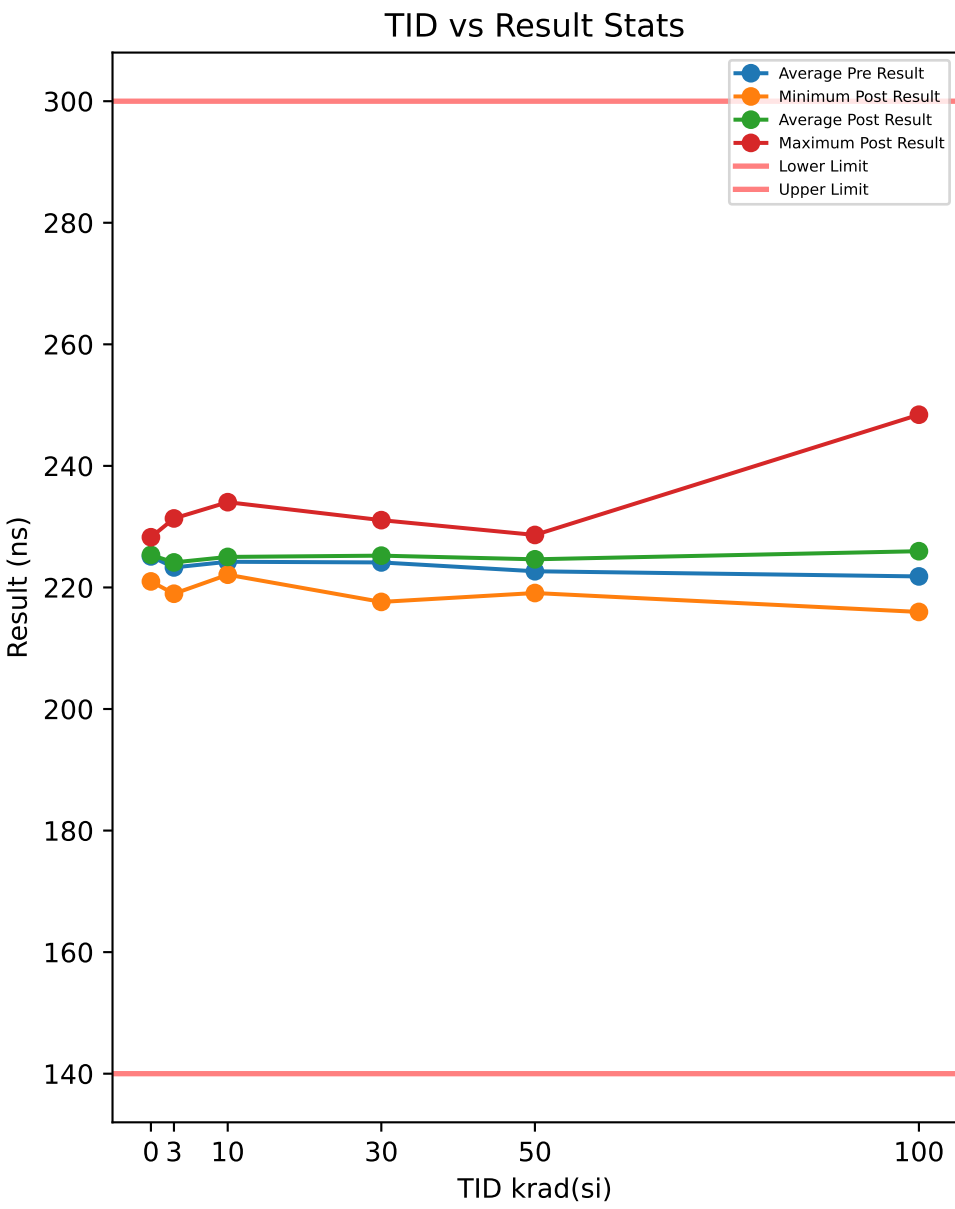
Test Results (Lower Limit = 120.0, Upper Limit = 270.0 (ns))

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



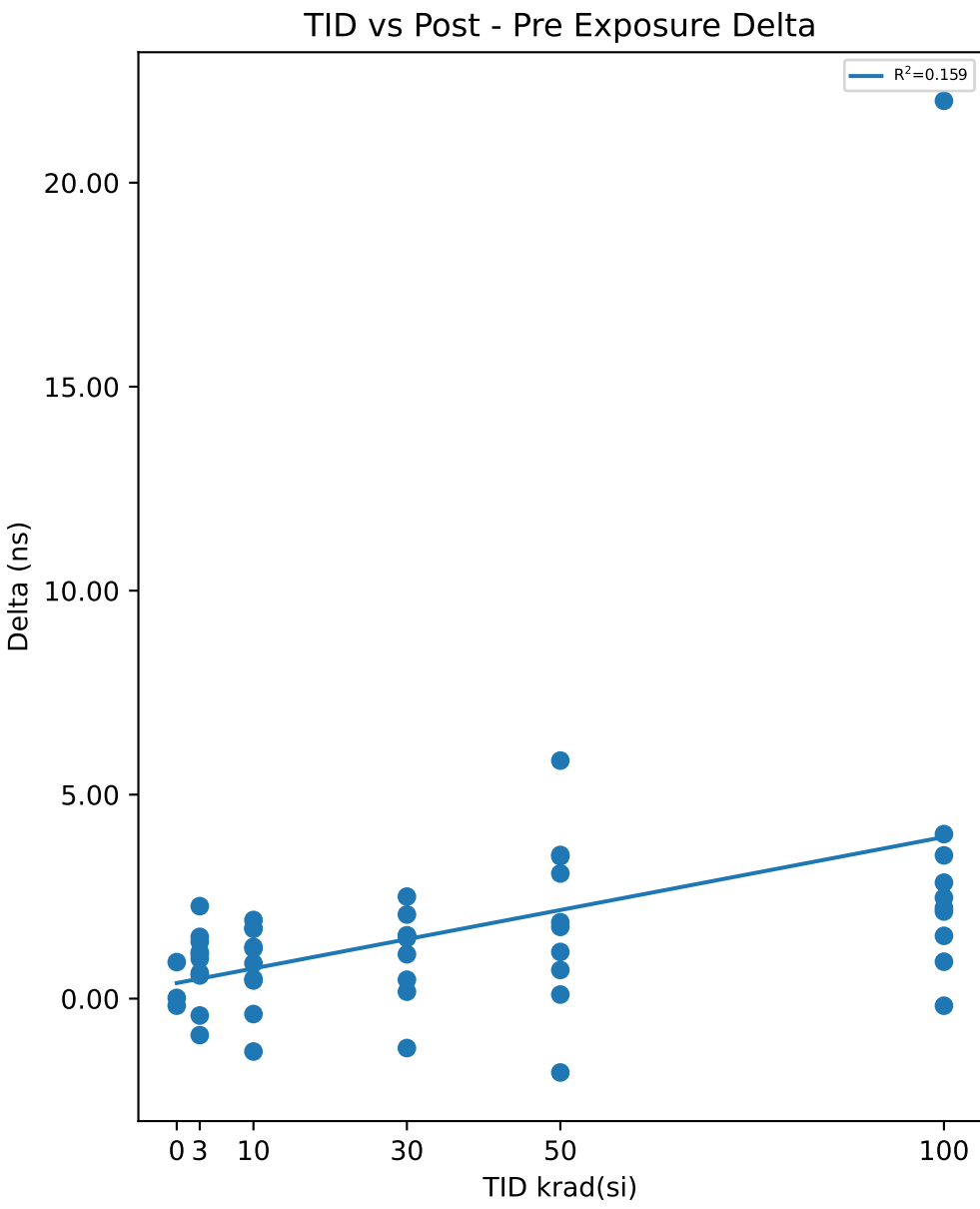
Test Statistics (ns)

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



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

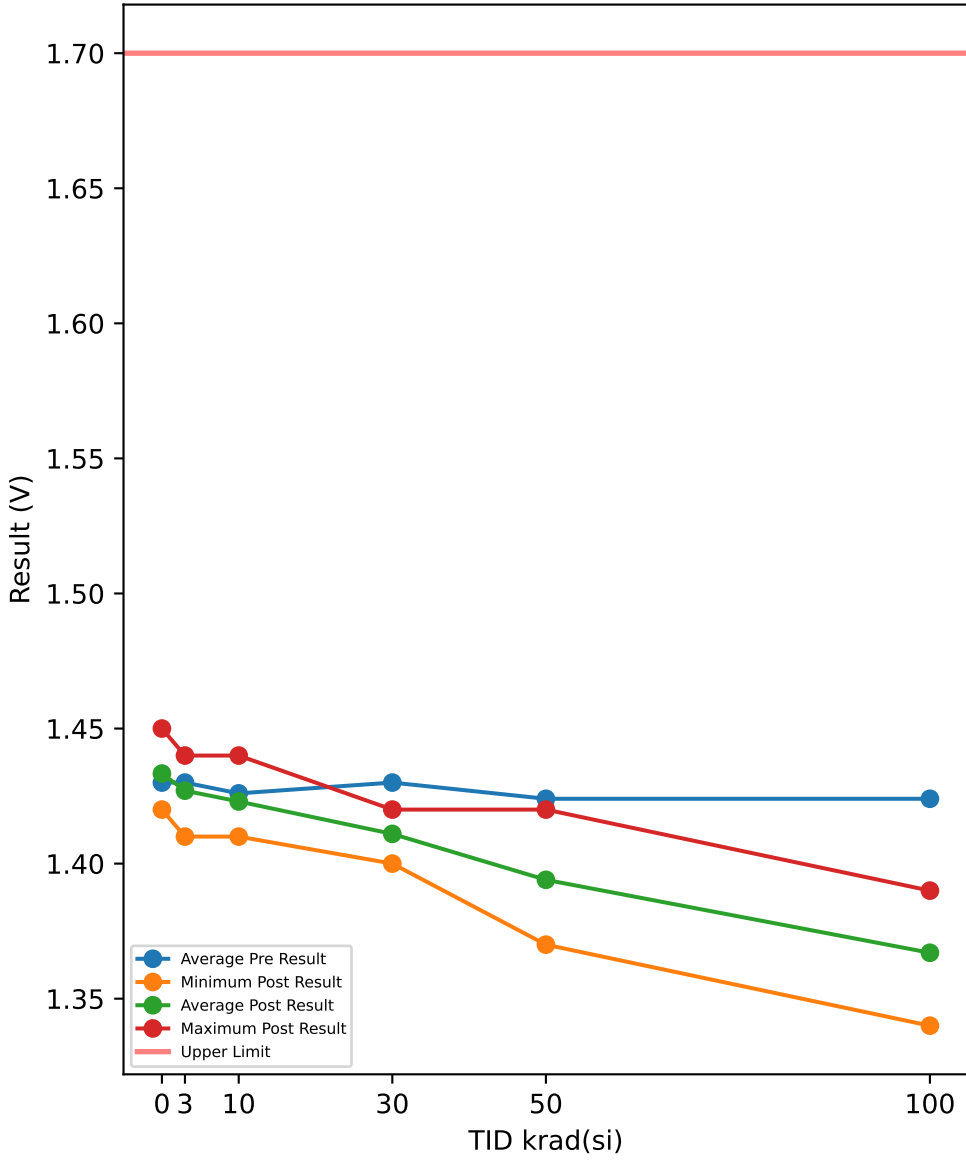


Test Statistics (ns)

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)

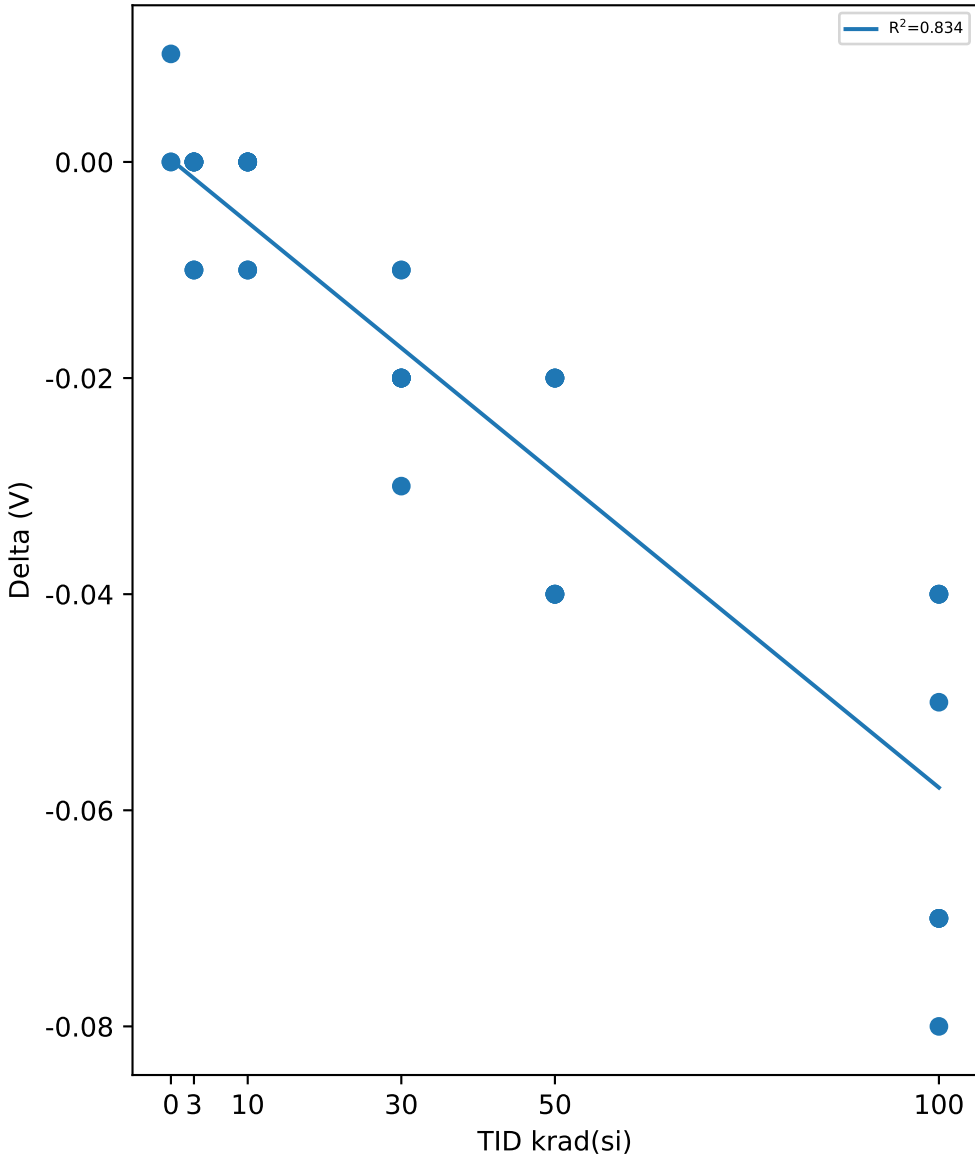
TID vs Result Stats



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

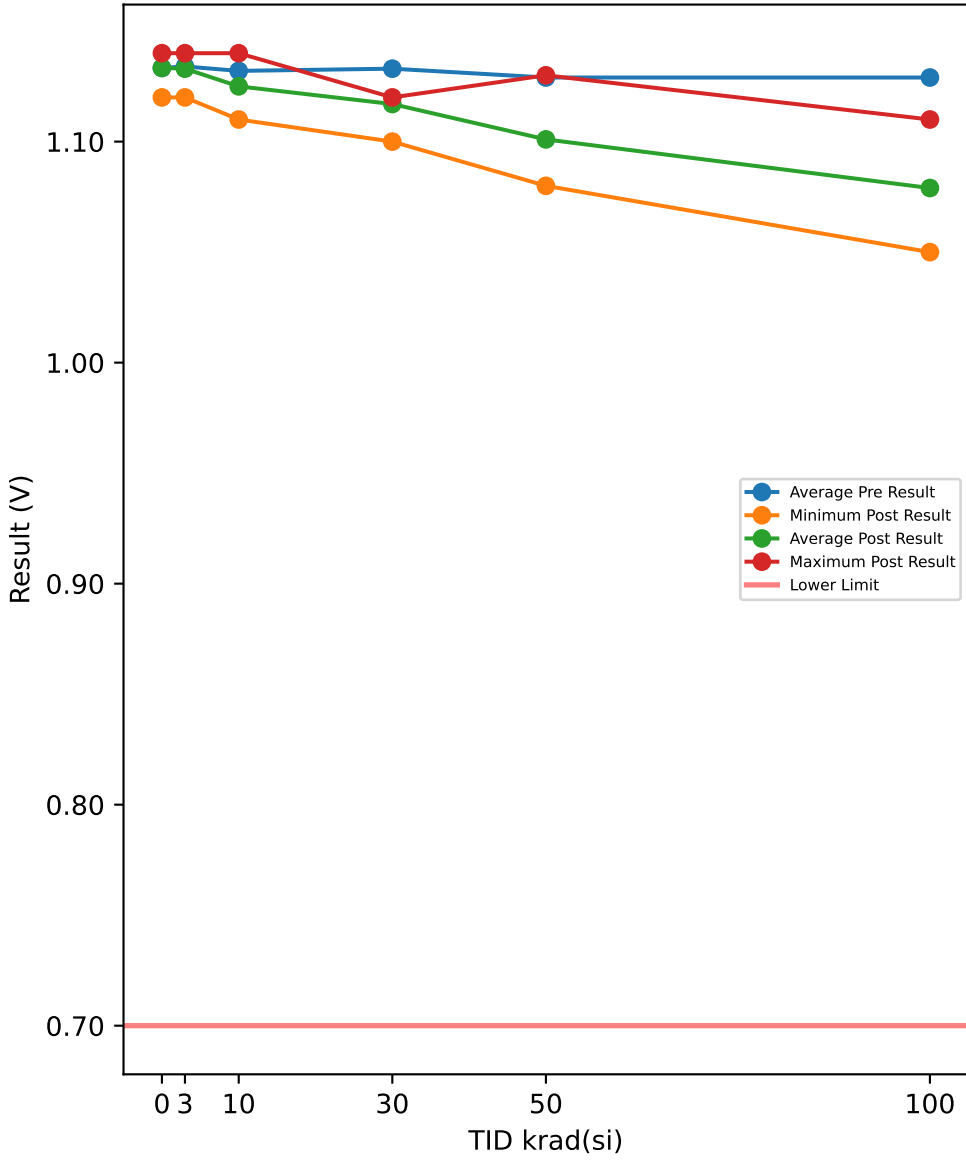
TID vs Post - Pre Exposure Delta



Test Statistics (V)

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	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

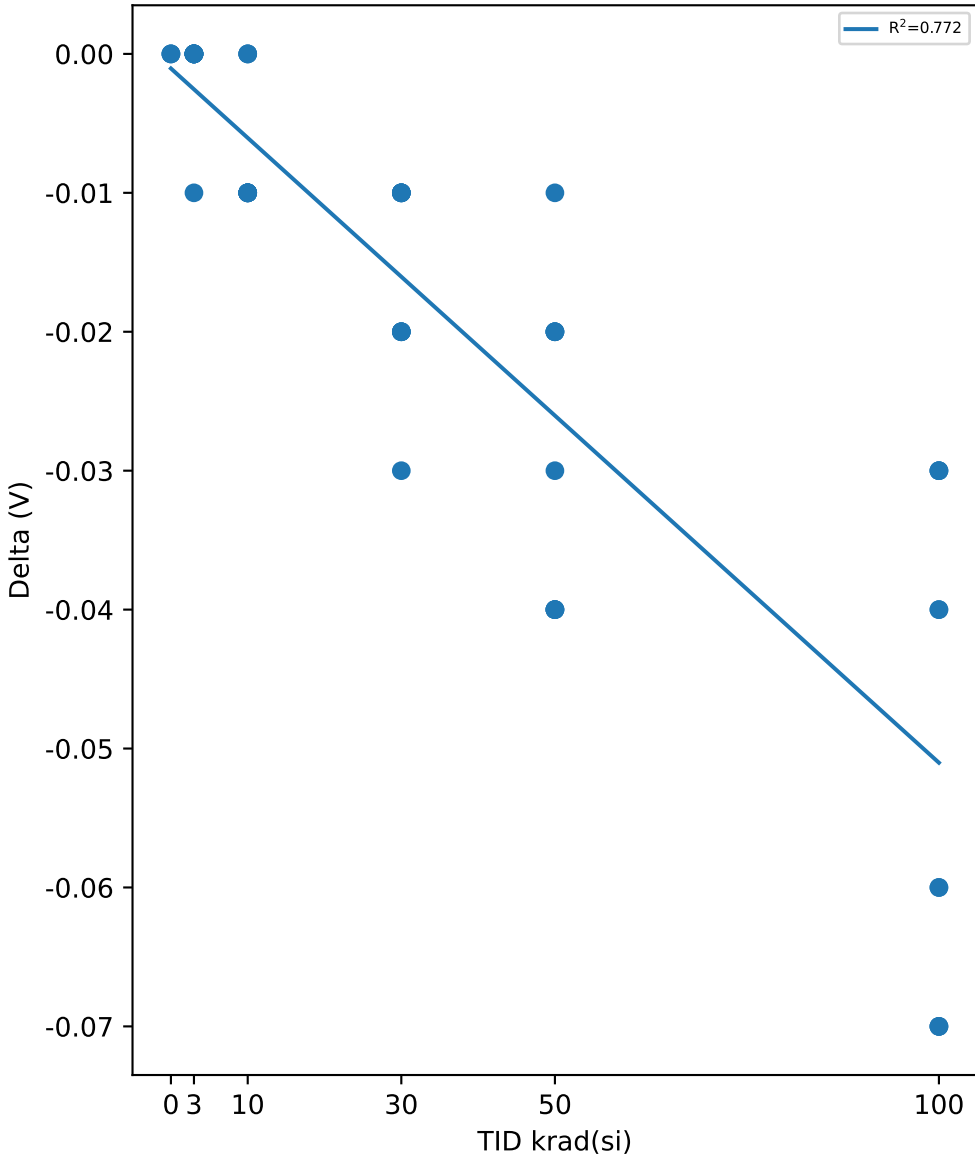
TID vs Result Stats



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

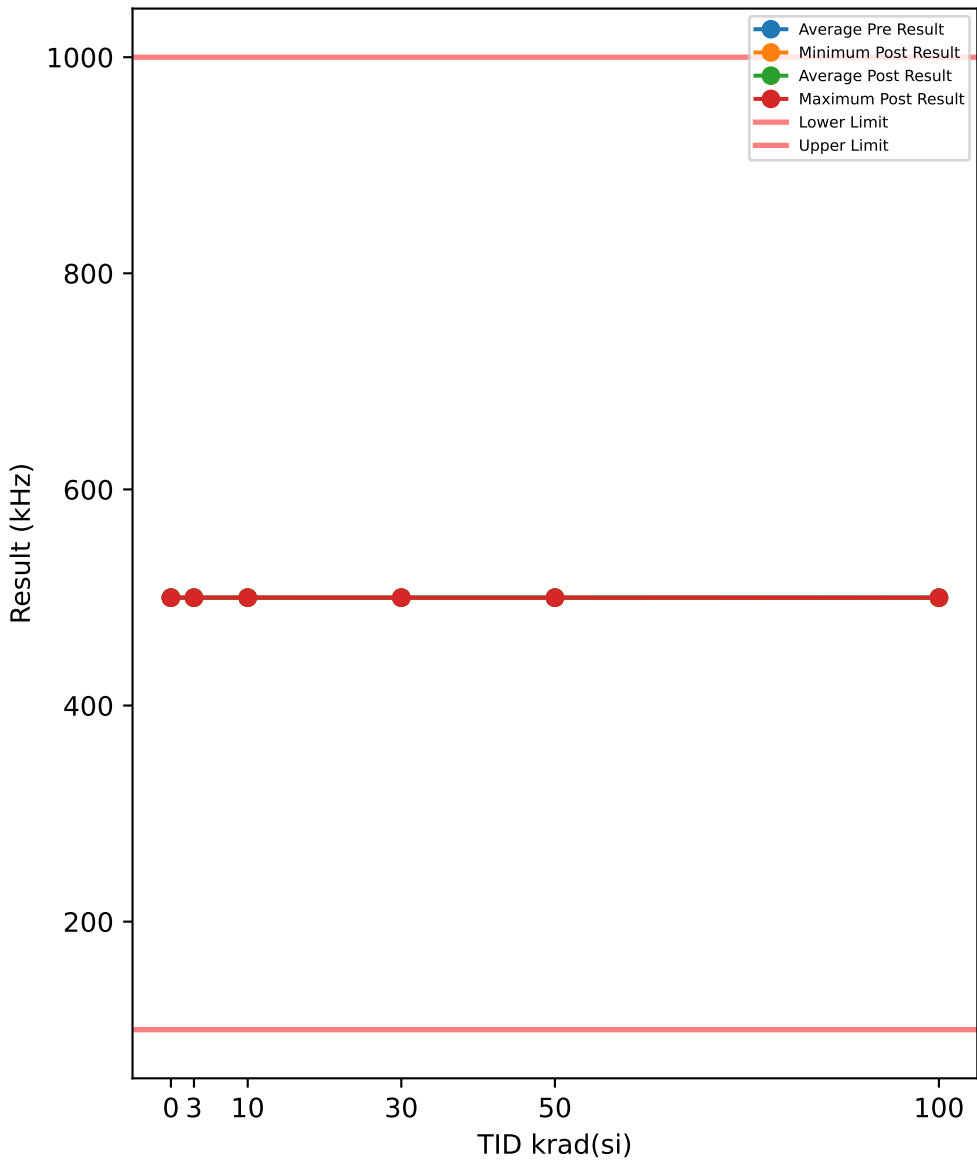
TID vs Post - Pre Exposure Delta



Test Statistics (V)

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	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

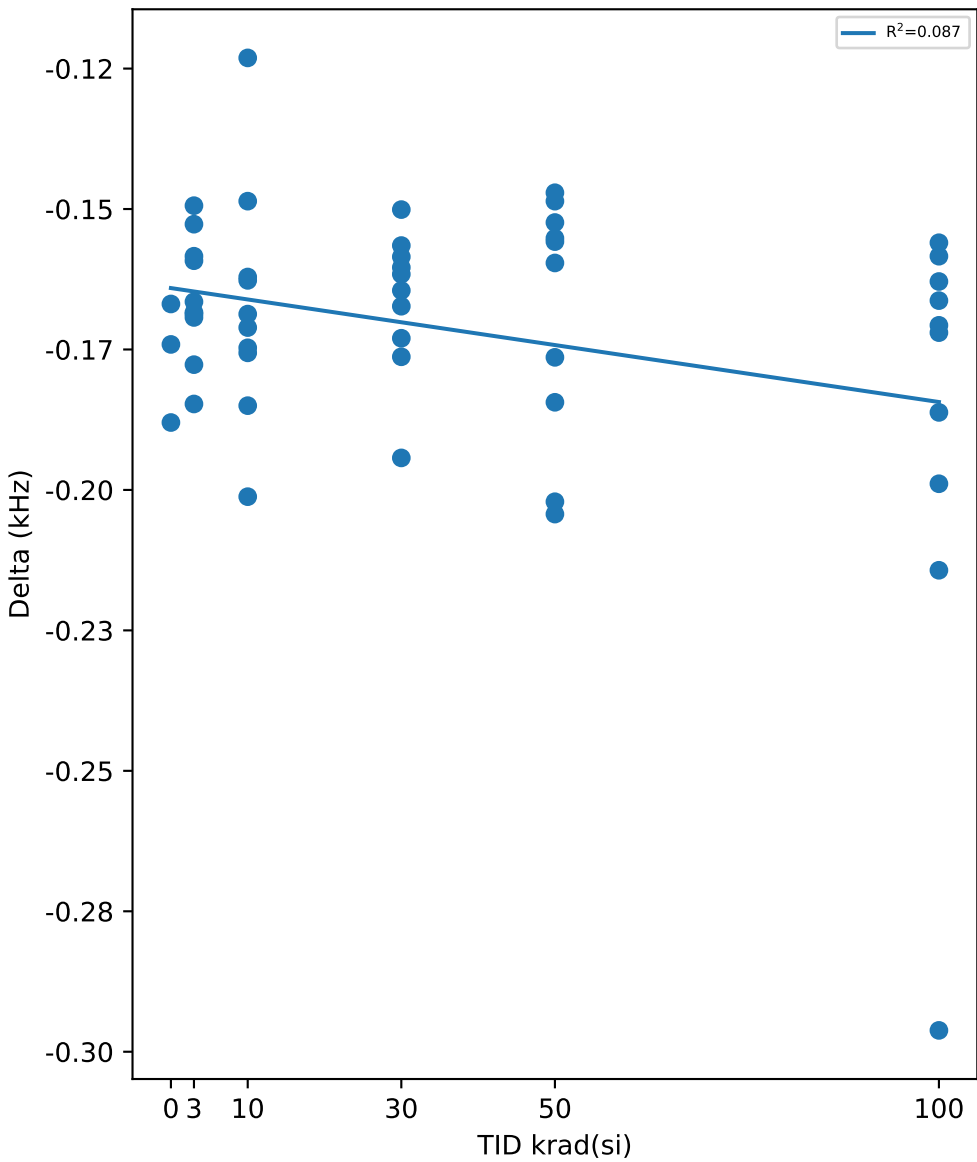
TID vs Result Stats



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

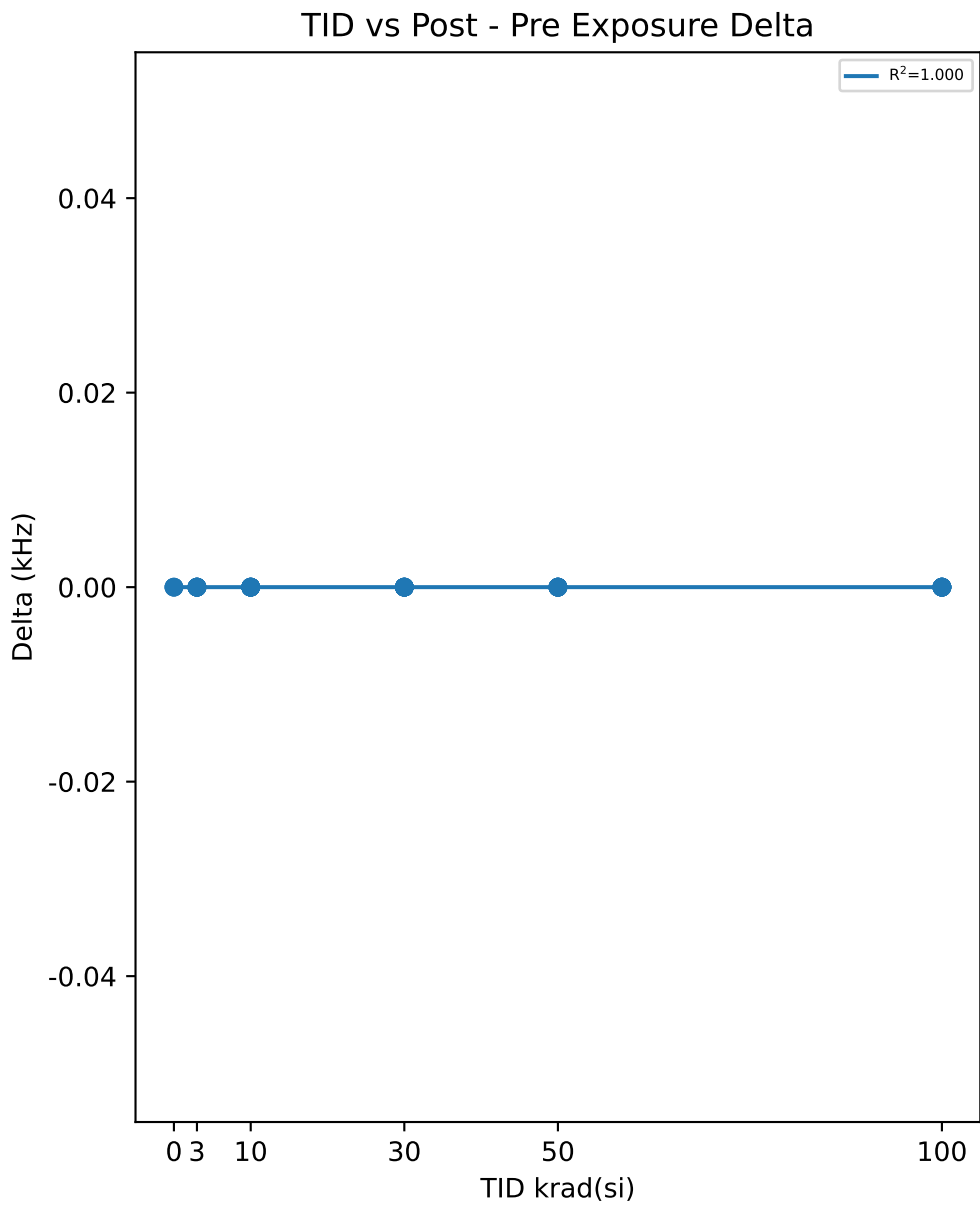
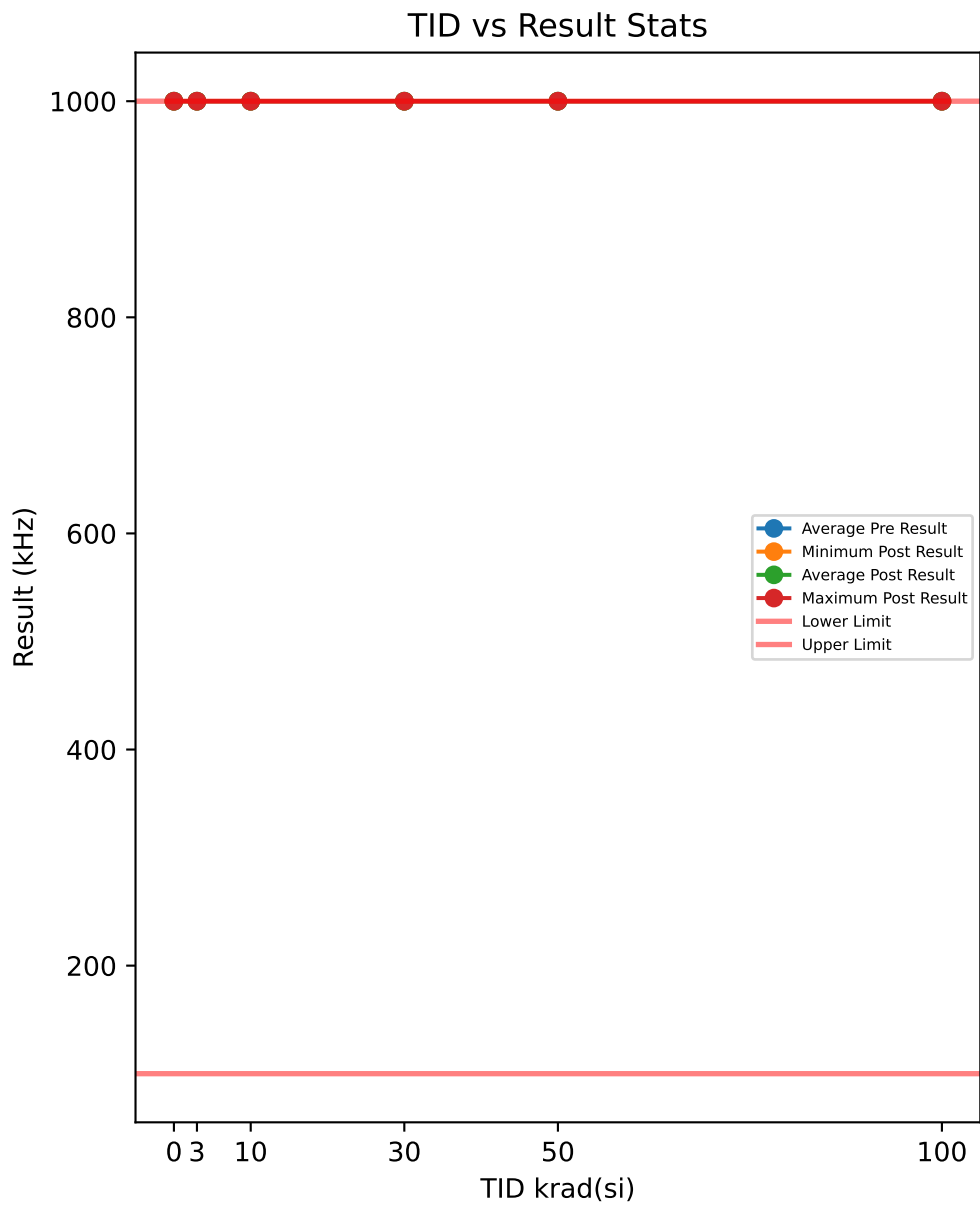
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
390	100	Biased	499.97	499.81	-0.1584
392	100	Biased	499.95	499.77	-0.1862
393	100	Biased	499.94	499.64	-0.2962
394	100	Biased	499.94	499.73	-0.2143
395	100	Biased	499.96	499.8	-0.156
412	100	Unbiased	499.97	499.81	-0.1663
413	100	Unbiased	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

TID vs Post - Pre Exposure Delta



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



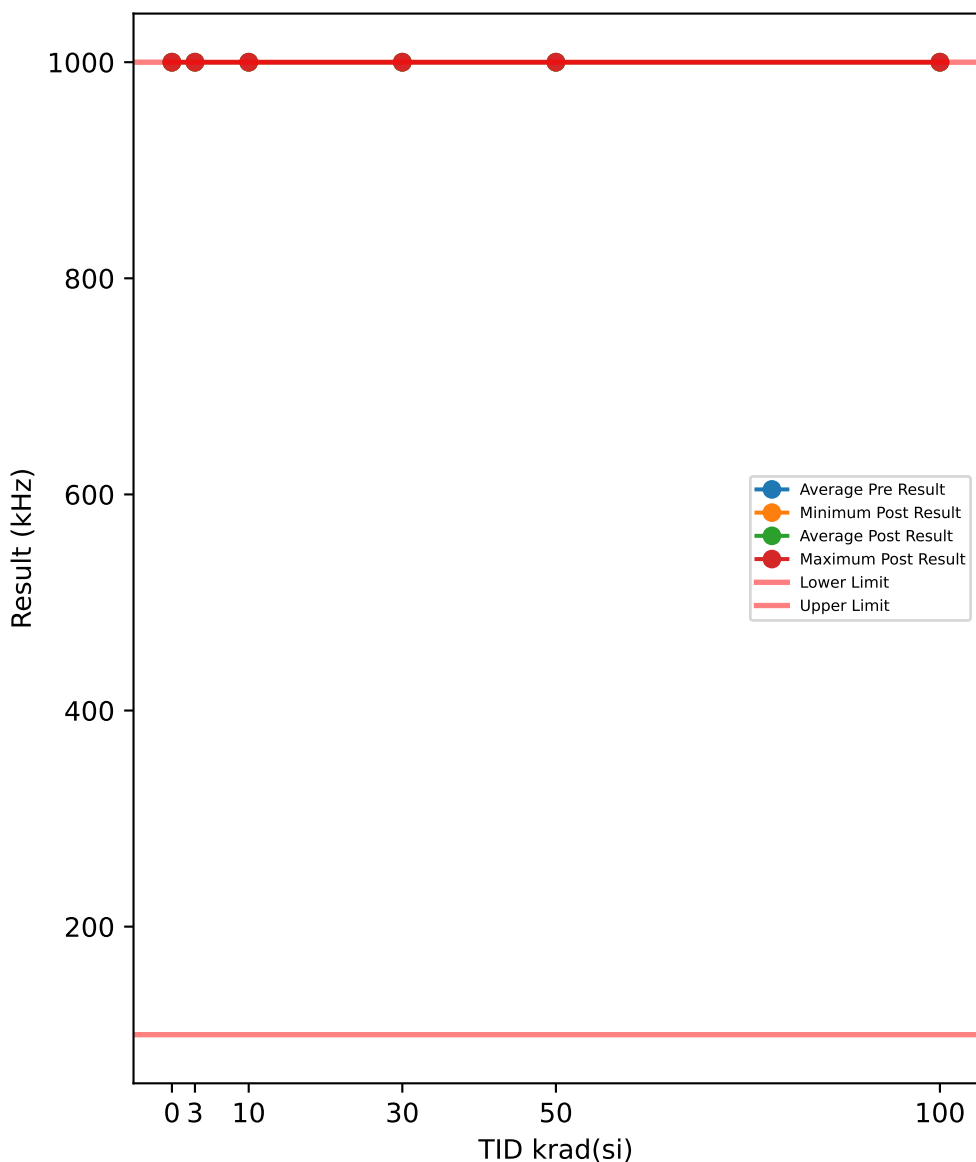
Test Results (Lower Limit = 100.0, Upper Limit = 1000.0 (kHz))

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

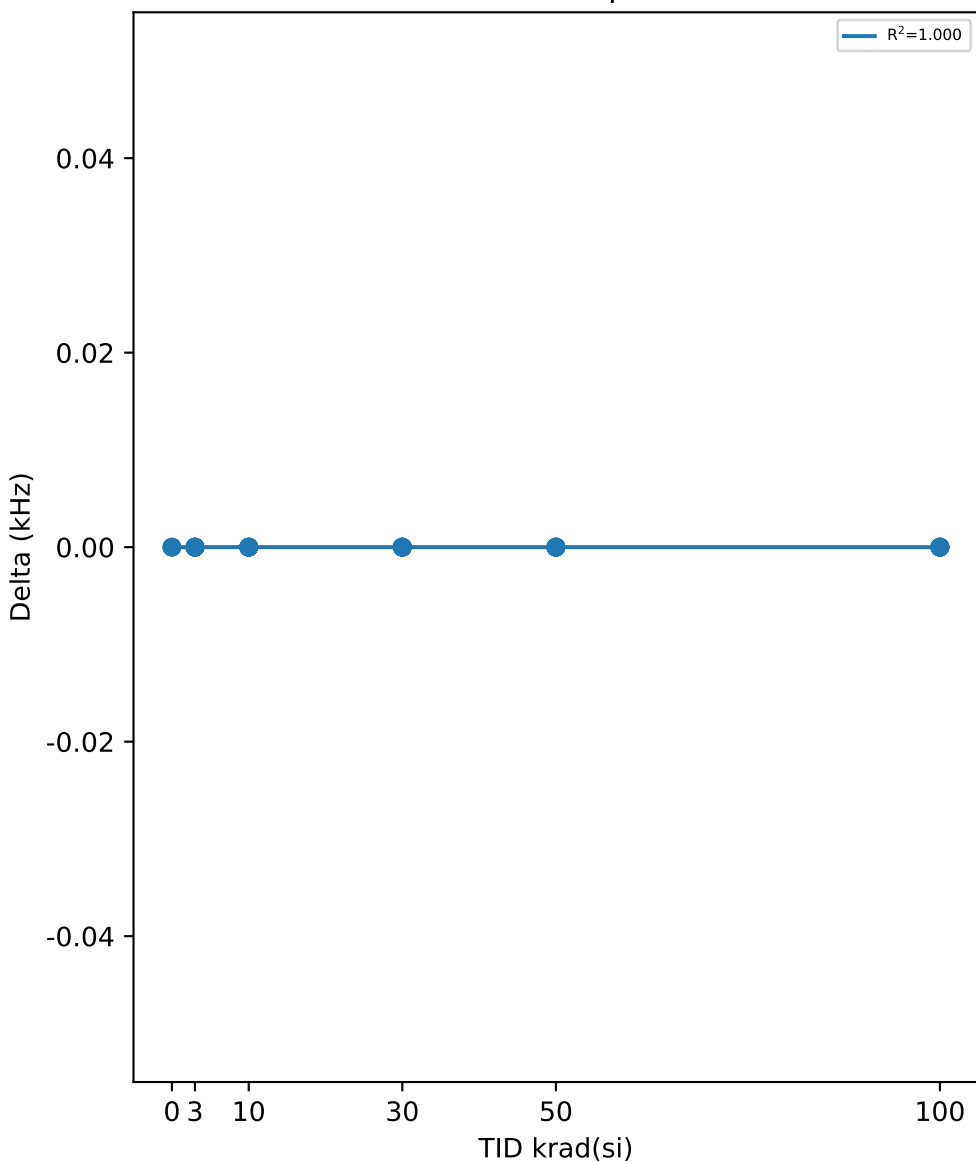
TID vs Result Stats



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

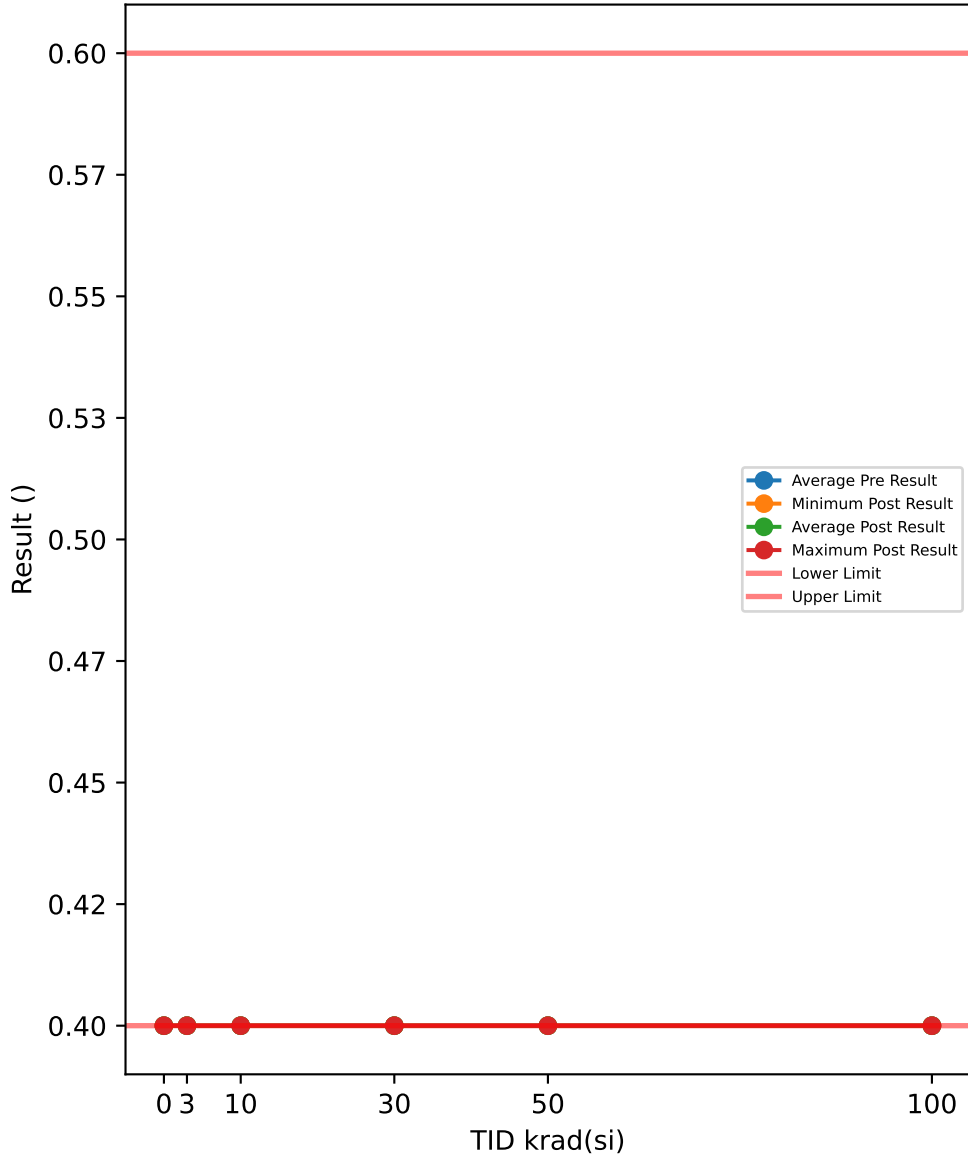
TID vs Post - Pre Exposure Delta



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

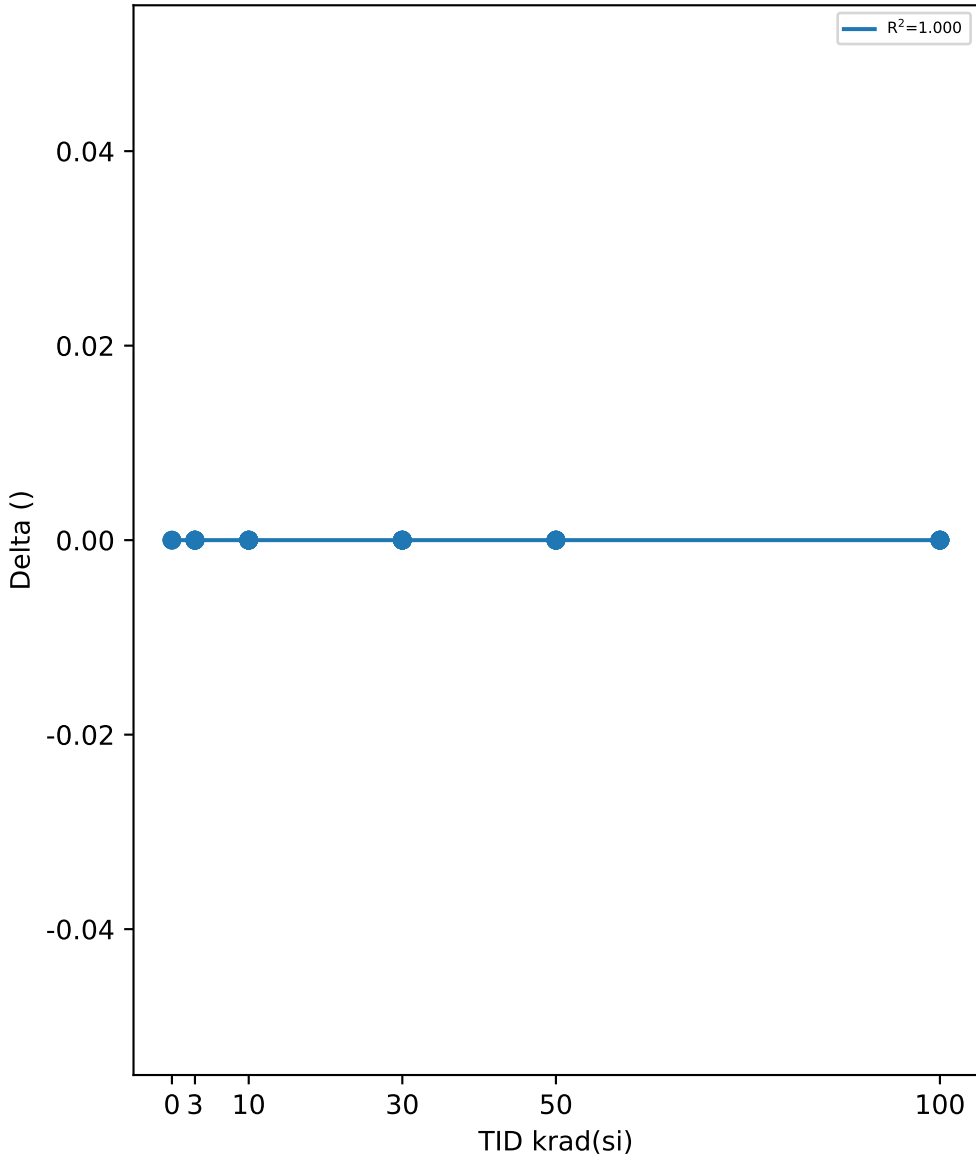
TID vs Result Stats



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

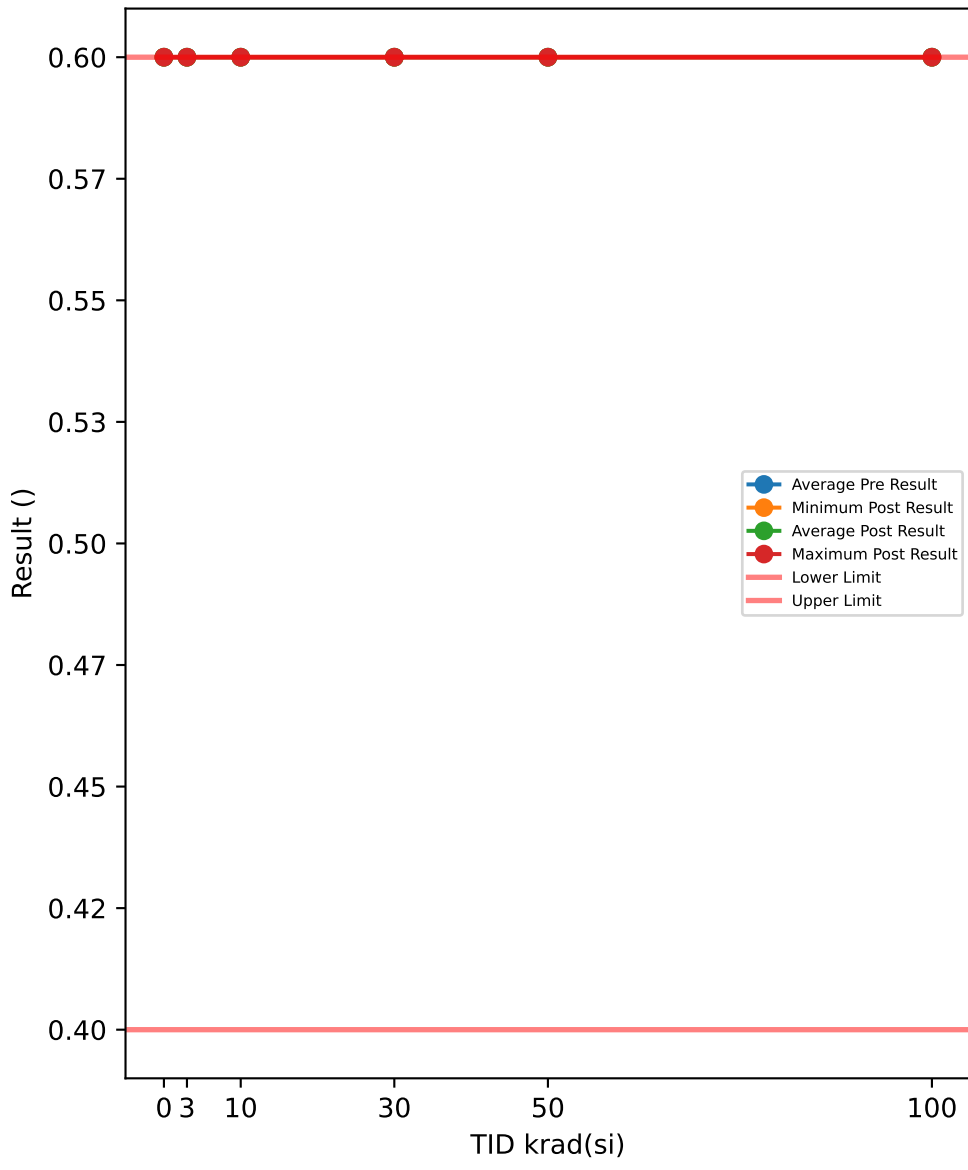
TID vs Post - Pre Exposure Delta



Test Statistics ()

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	0.4	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

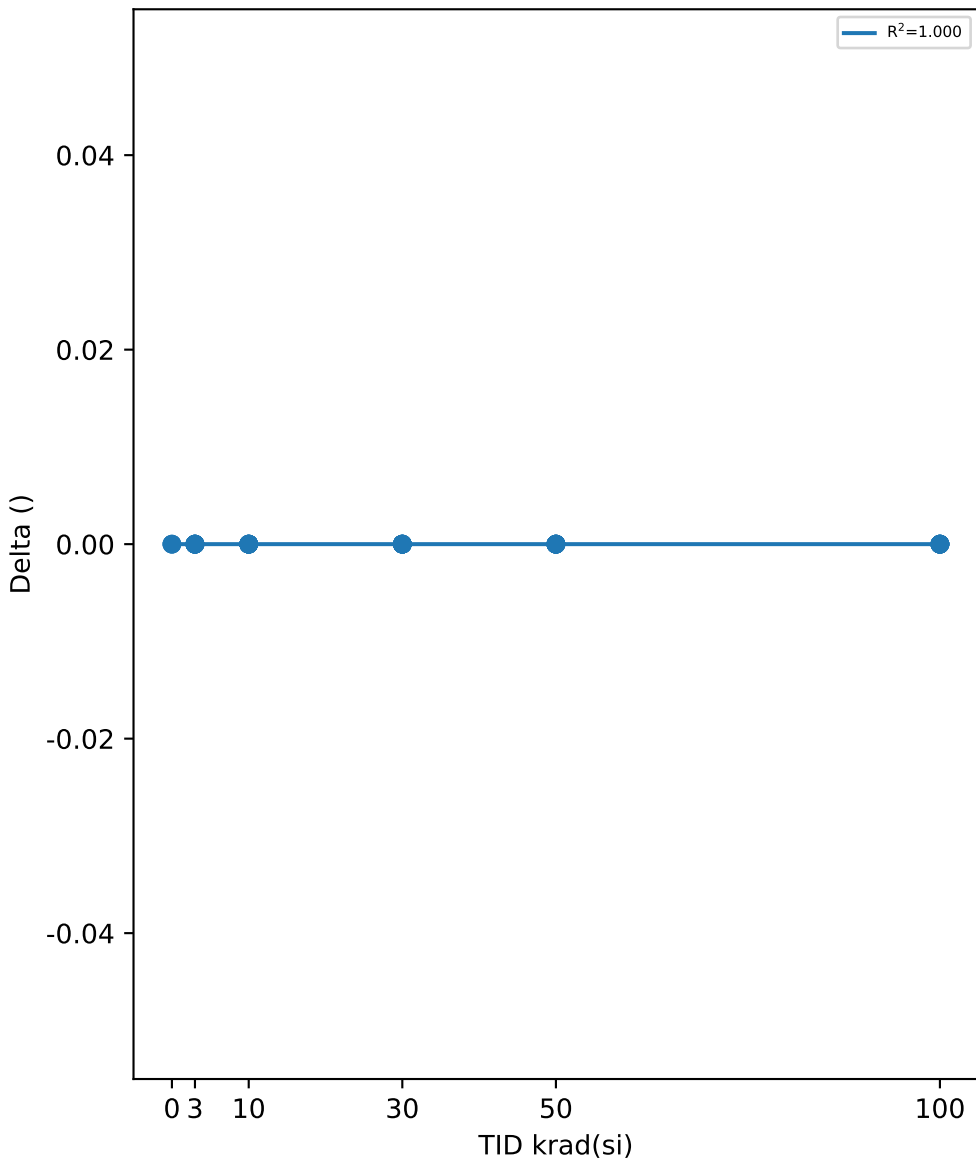
TID vs Result Stats



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

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

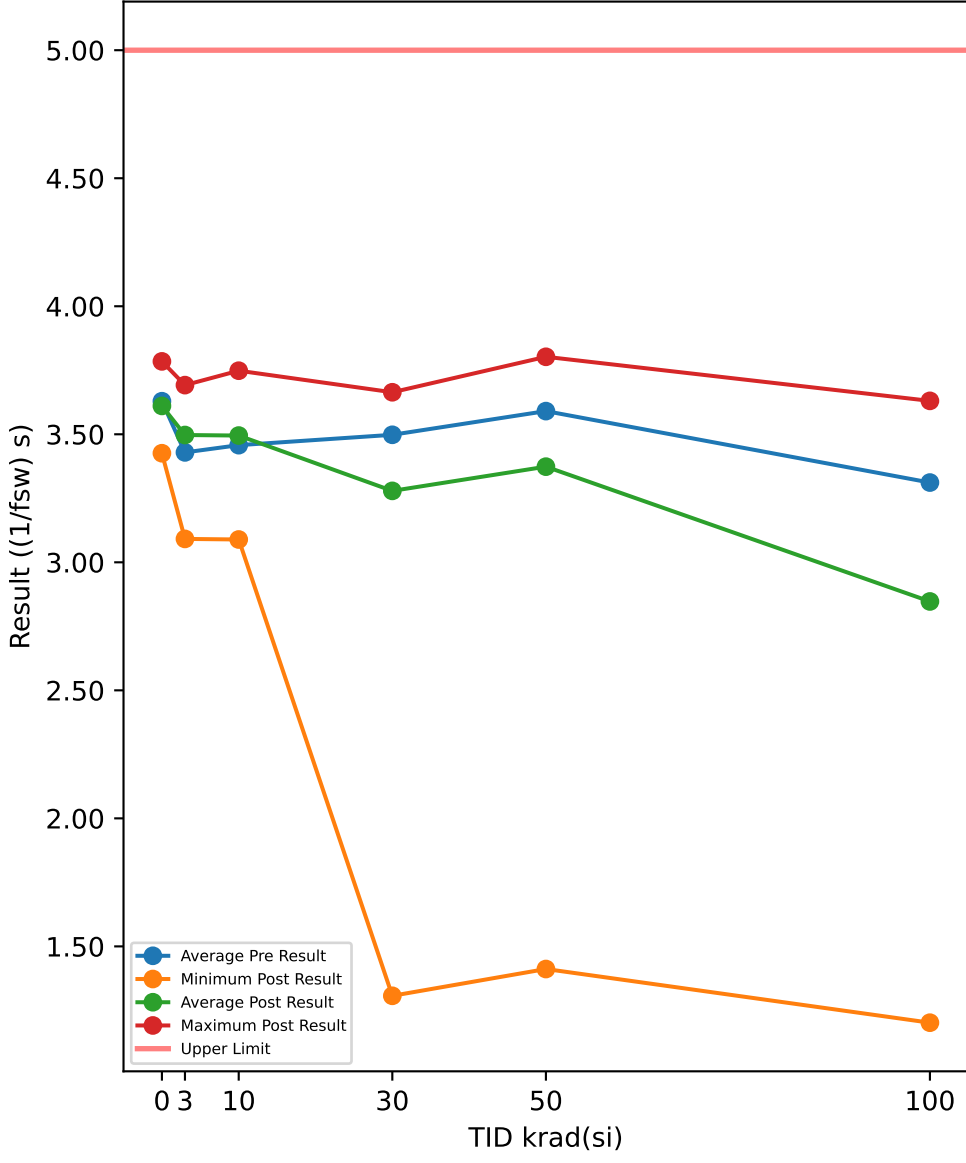
TID vs Post - Pre Exposure Delta



Test Statistics (s)

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	0.6	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

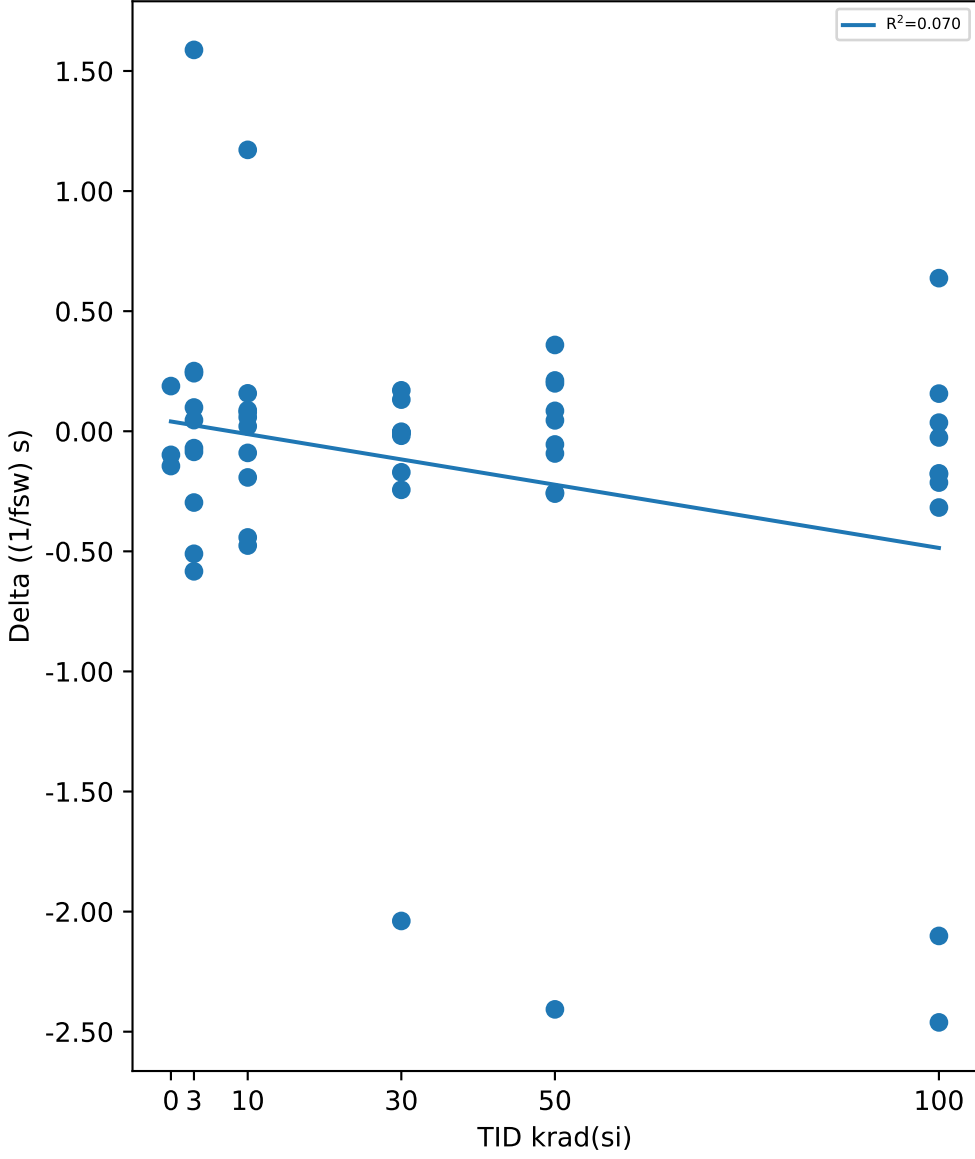
TID vs Result Stats



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

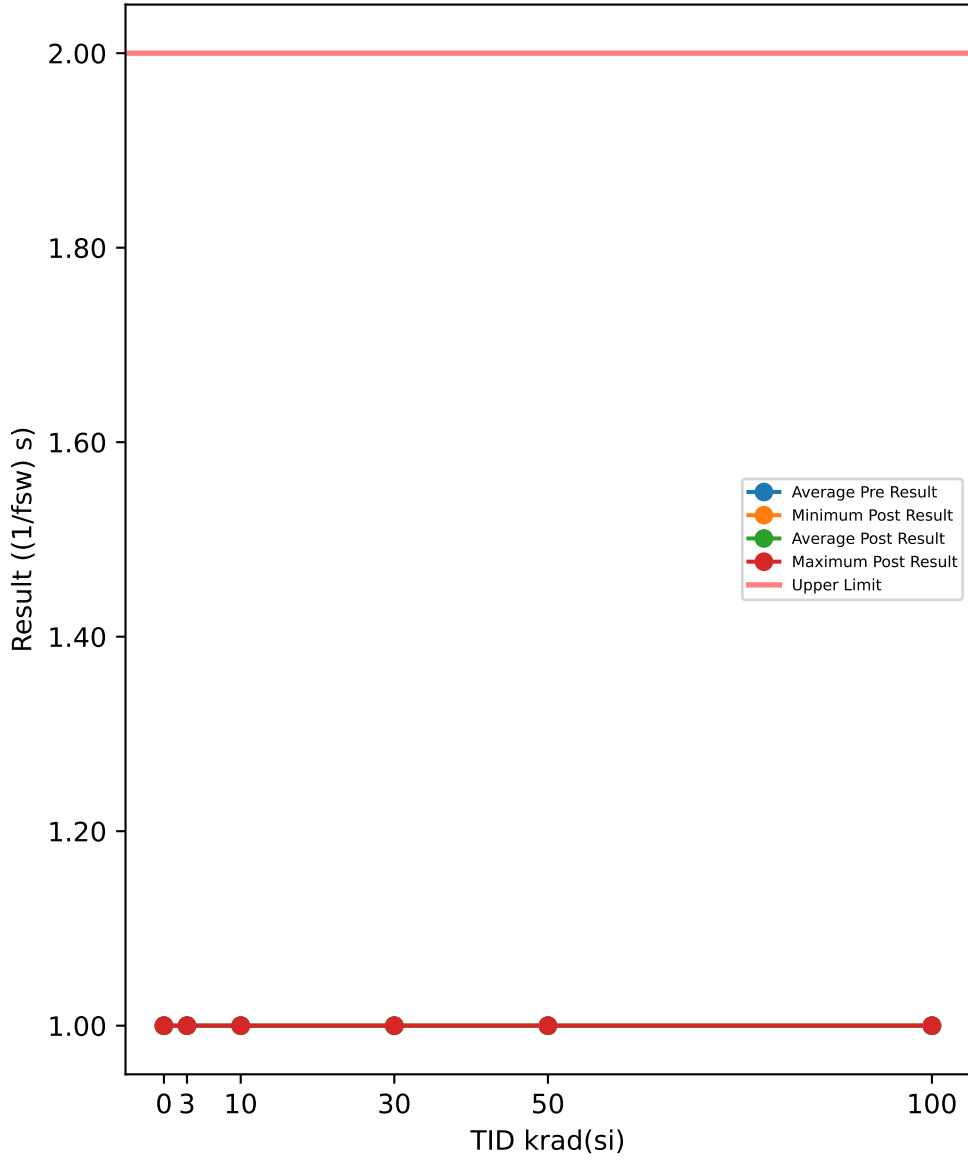
TID vs Post - Pre Exposure Delta



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

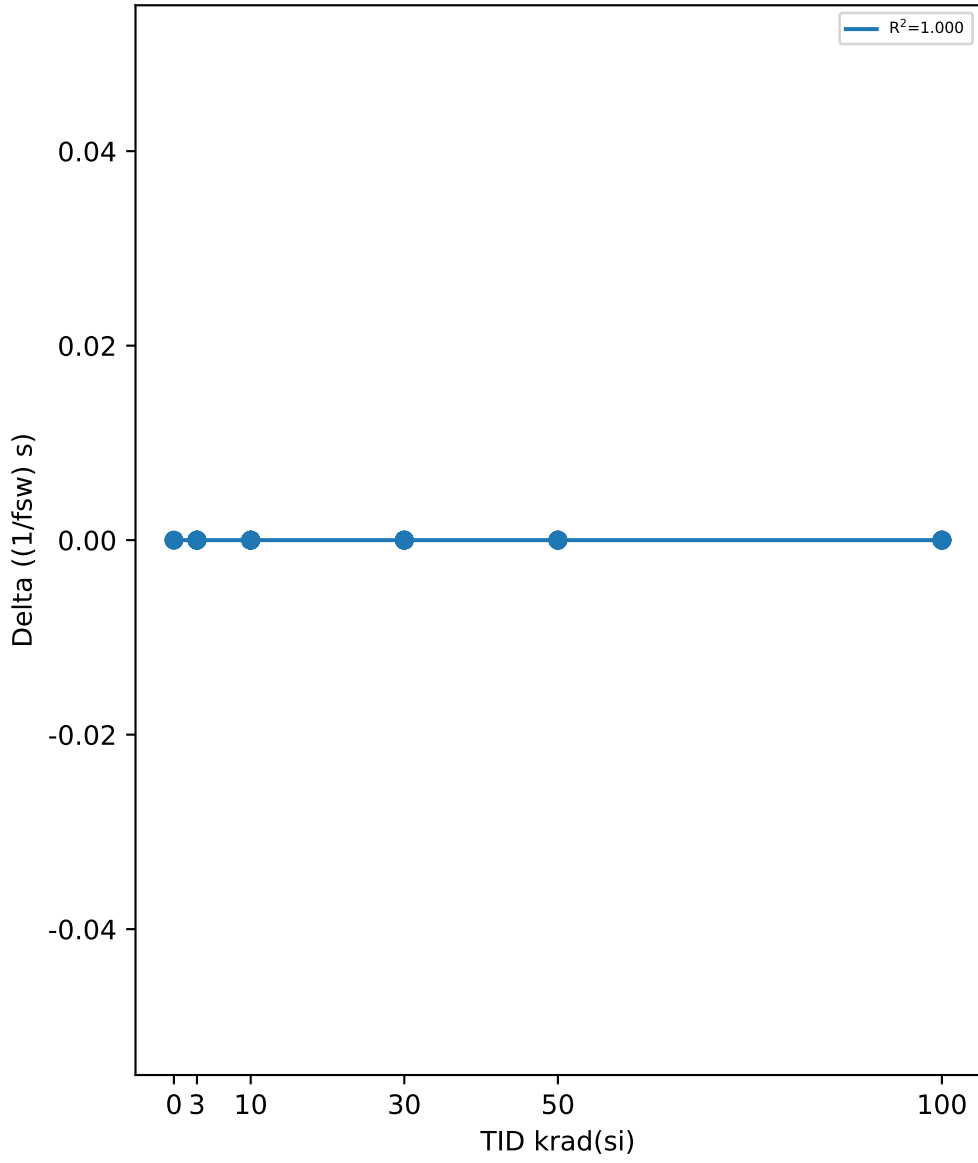
TID vs Result Stats



Test Results (Upper Limit = 2.0 ((1/fsw) s))

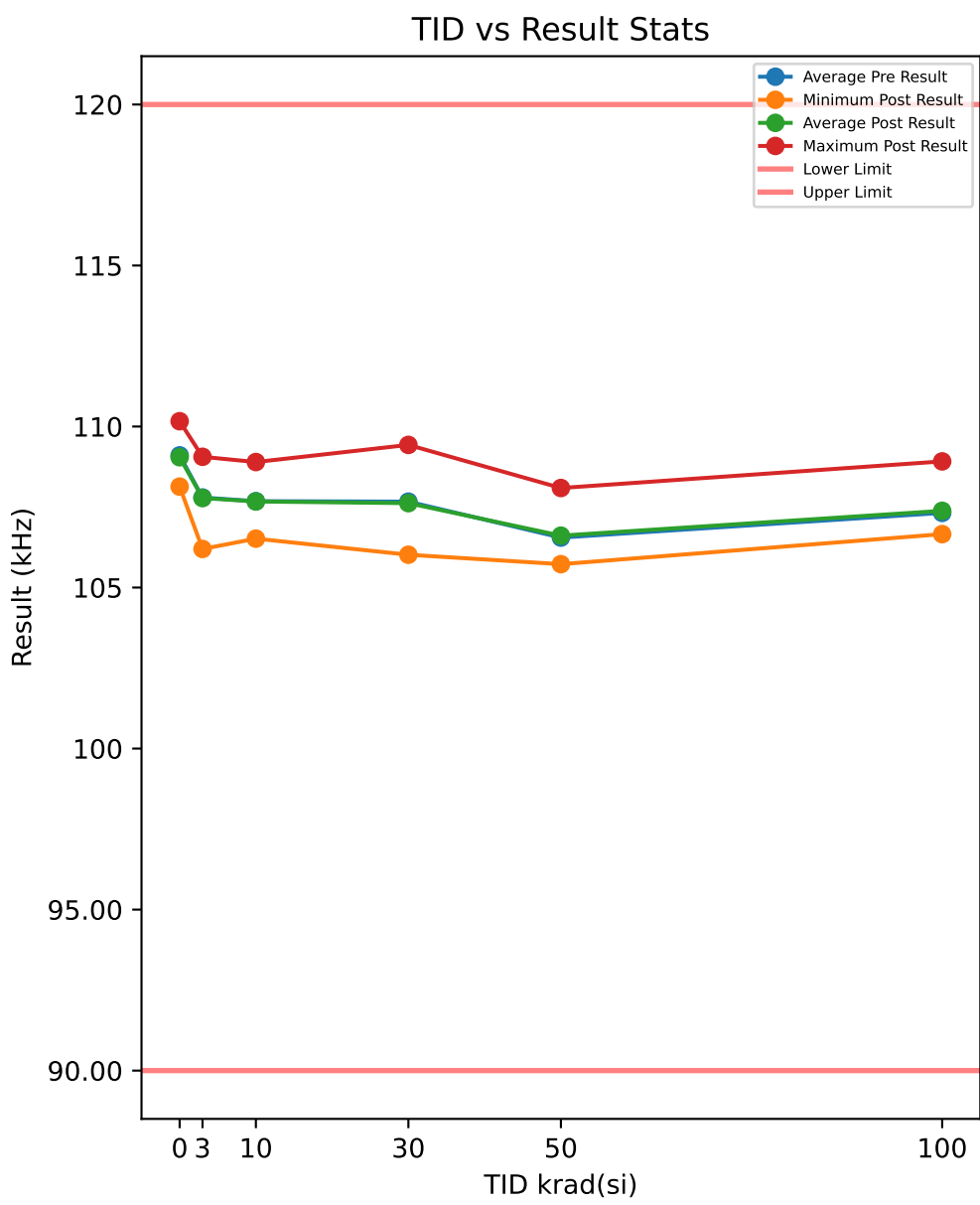
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
390	100	Biased	1	1	0
392	100	Biased	1	1	0
393	100	Biased	1	1	0
394	100	Biased	1	1	0
395	100	Biased	1	1	0
412	100	Unbiased	1	1	0
413	100	Unbiased	1	1	0
414	100	Unbiased	1	1	0
415	100	Unbiased	1	1	0
416	100	Unbiased	1	1	0
417	50	Biased	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

TID vs Post - Pre Exposure Delta



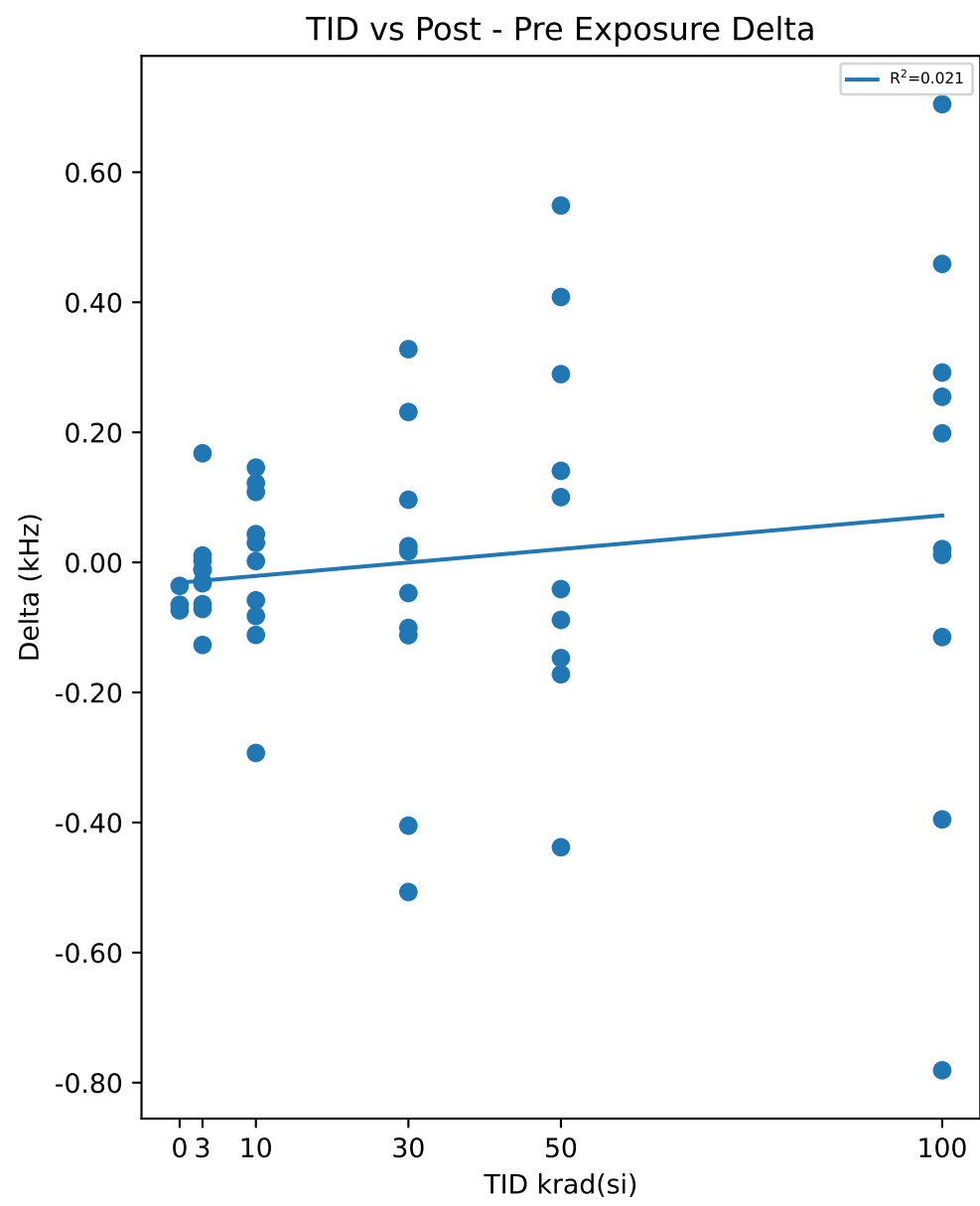
Test Statistics ((1/fsw) s)

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



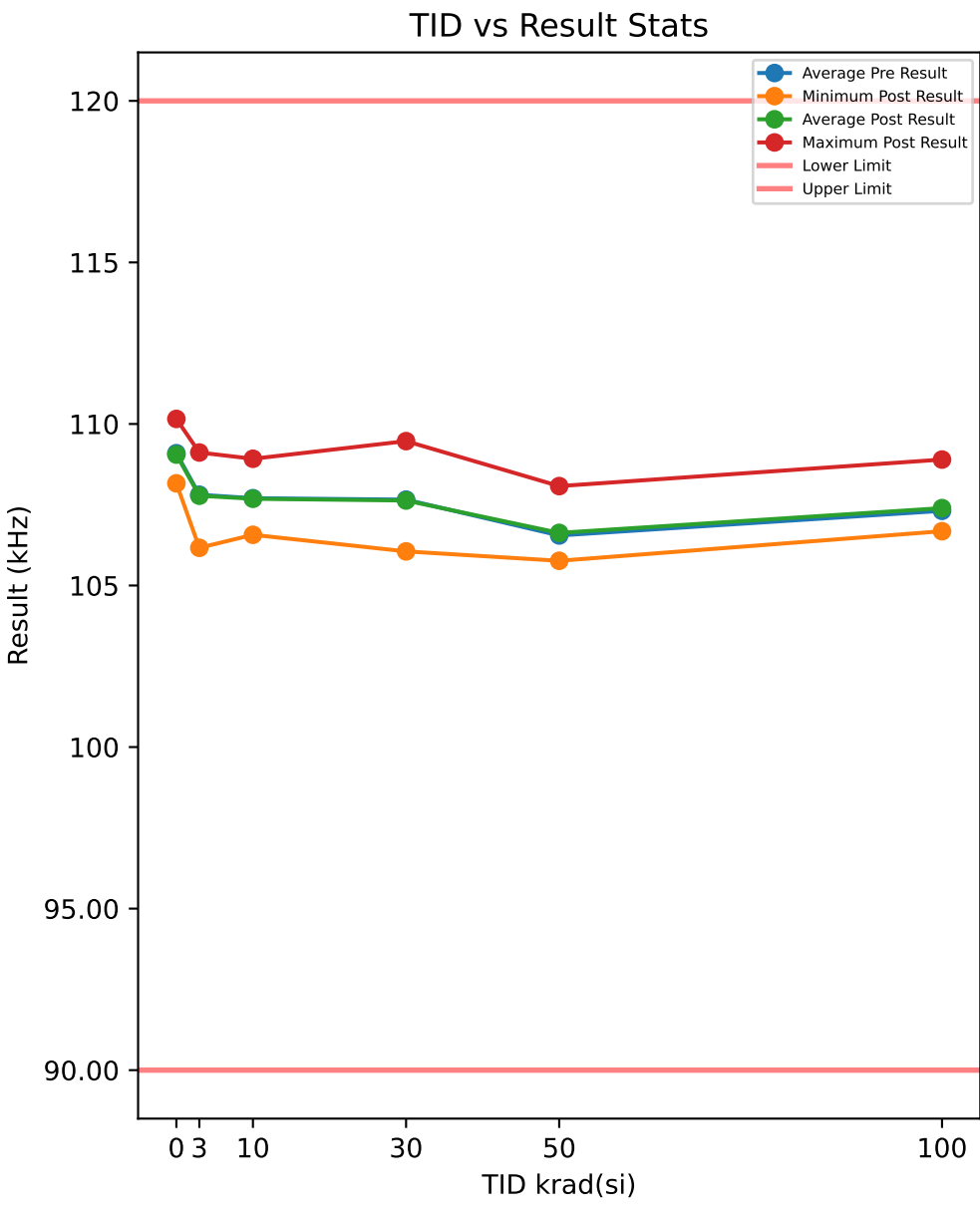
Test Results (Lower Limit = 90.0, Upper Limit = 120.0 (kHz))

Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
390	100	Biased	109.03	108.92	-0.1148
392	100	Biased	107.33	107.78	0.459
393	100	Biased	107.2	107.22	0.0205
394	100	Biased	107.61	107.81	0.1985
395	100	Biased	106.37	106.66	0.292
412	100	Unbiased	107.5	107.51	0.0115
413	100	Unbiased	107.89	107.11	-0.781
414	100	Unbiased	106.59	106.84	0.2547
415	100	Unbiased	106.19	106.89	0.7046
416	100	Unbiased	107.47	107.07	-0.3952
417	50	Biased	106.39	106.22	-0.172
418	50	Biased	105.81	105.73	-0.0884
419	50	Biased	106.39	106.94	0.5488
421	50	Biased	106.22	106.07	-0.1471
422	50	Biased	107.95	108.09	0.1408
423	50	Unbiased	107.16	106.72	-0.438
424	50	Unbiased	106.73	107.02	0.2895
425	50	Unbiased	106.01	105.97	-0.0411
426	50	Unbiased	106.37	106.78	0.4081
427	50	Unbiased	106.48	106.58	0.1004
463	0	Corr	108.88	108.84	-0.0361
464	0	Corr	108.2	108.13	-0.0651
465	0	Corr	110.24	110.17	-0.0738
466	30	Biased	106.42	106.02	-0.4048
469	30	Biased	109.2	109.43	0.2313
470	30	Biased	107.52	107.42	-0.1007
472	30	Biased	107.13	107.15	0.017
474	30	Biased	106.83	106.92	0.0964
475	30	Unbiased	107.79	107.68	-0.1119
477	30	Unbiased	107.45	106.95	-0.5069
478	30	Unbiased	107.98	108.31	0.3279
479	30	Unbiased	108.73	108.75	0.0249
480	30	Unbiased	107.63	107.59	-0.0471
481	10	Biased	107.12	107.15	0.0301
482	10	Biased	108.96	108.9	-0.0583
483	10	Biased	106.6	106.52	-0.0824
484	10	Biased	108.37	108.47	0.1083
485	10	Biased	107.34	107.38	0.0435
487	10	Unbiased	107.74	107.86	0.122
488	10	Unbiased	107.75	107.9	0.1458
489	10	Unbiased	107.41	107.3	-0.1115
490	10	Unbiased	107.1	107.11	0.002
491	10	Unbiased	108.43	108.14	-0.293
492	3	Biased	107.33	107.32	-0.0118
493	3	Biased	107.99	107.98	-0.0104
494	3	Biased	108.73	108.7	-0.0297
495	3	Biased	106.75	106.69	-0.0642
496	3	Biased	108.59	108.55	-0.0321
497	3	Unbiased	108.31	108.47	0.1678
498	3	Unbiased	106.98	106.91	-0.0716
499	3	Unbiased	108.03	107.91	-0.1269
500	3	Unbiased	106.19	106.2	0.0106
502	3	Unbiased	109.06	109.06	0.0025



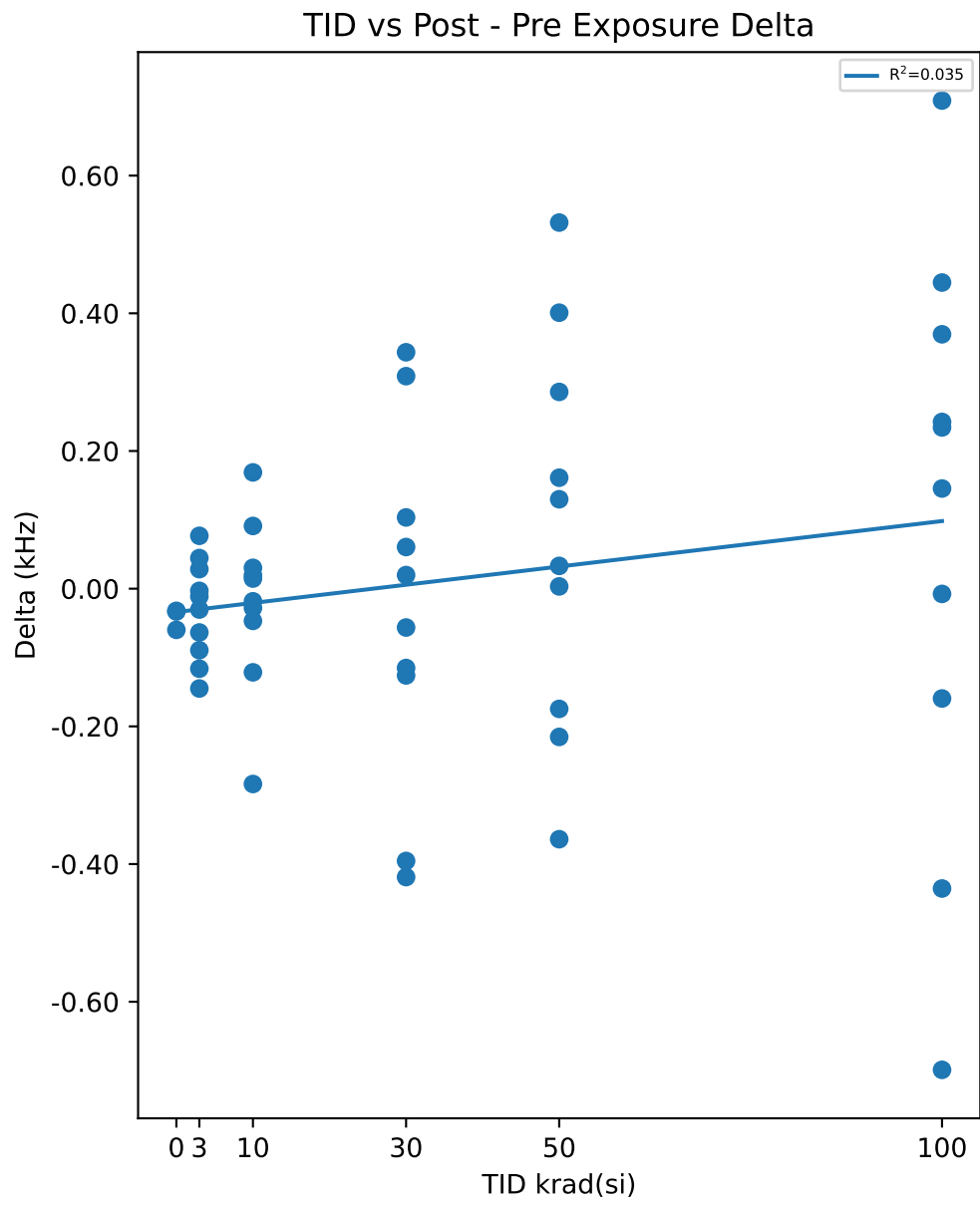
Test Statistics (kHz)

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	108.2	109.11	110.24	1.0387	108.13	109.05	110.17	1.0309	-0.0738	-0.058333	-0.0361	0.01974
3	106.19	107.8	109.06	0.94263	106.2	107.78	109.06	0.95939	-0.1269	-0.01658	0.1678	0.076767
10	106.6	107.68	108.96	0.72035	106.52	107.67	108.9	0.71465	-0.293	-0.00935	0.1458	0.13261
30	106.42	107.67	109.2	0.82906	106.02	107.62	109.43	0.98871	-0.5069	-0.04739	0.3279	0.257
50	105.81	106.55	107.95	0.61449	105.73	106.61	108.09	0.67967	-0.438	0.0601	0.5488	0.29775
100	106.19	107.32	109.03	0.82563	106.66	107.38	108.92	0.66421	-0.781	0.06498	0.7046	0.42614



Test Results (Lower Limit = 90.0, Upper Limit = 120.0 (kHz))

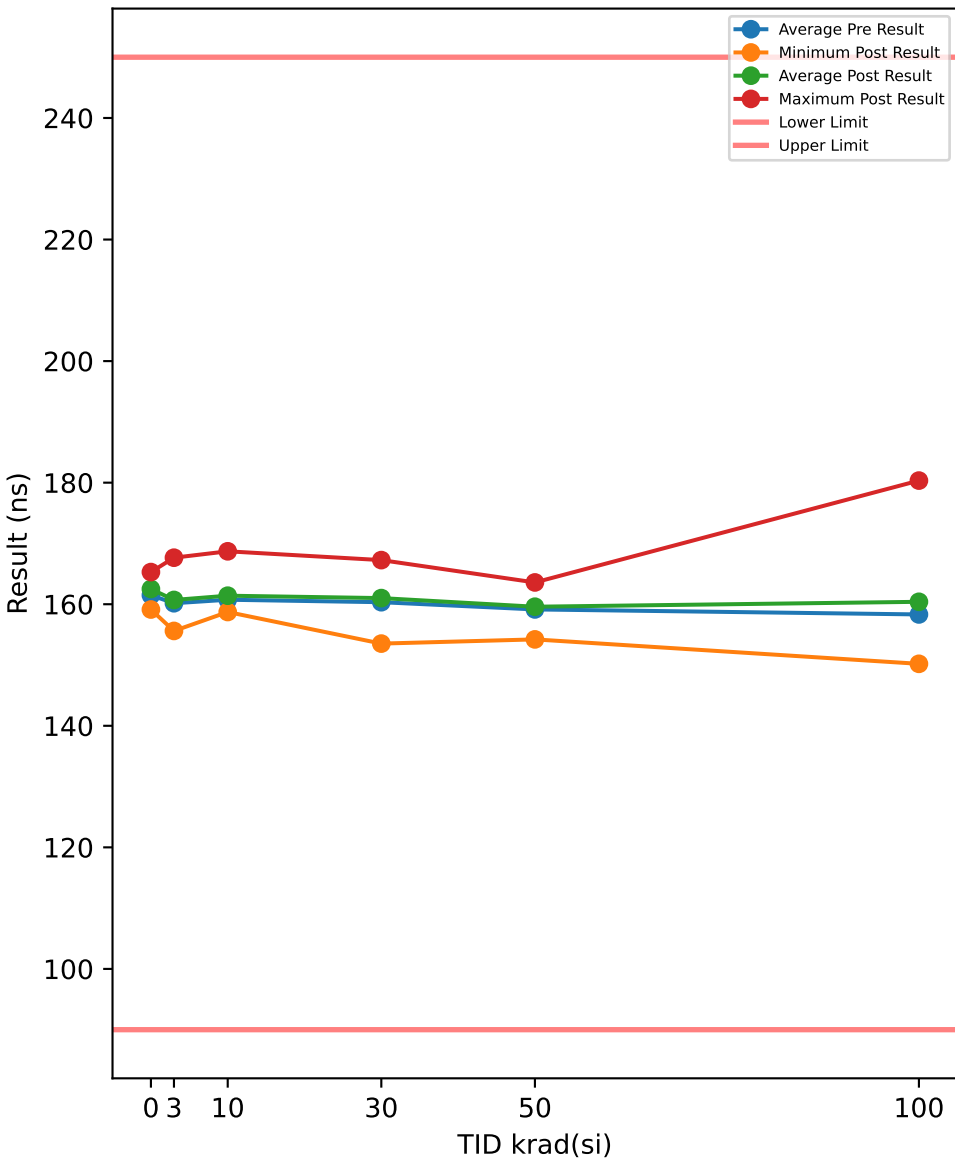
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
390	100	Biased	109.06	108.9	-0.1595
392	100	Biased	107.33	107.78	0.4447
393	100	Biased	107.12	107.27	0.1455
394	100	Biased	107.55	107.79	0.2342
395	100	Biased	106.31	106.68	0.3695
412	100	Unbiased	107.53	107.52	-0.0076
413	100	Unbiased	107.92	107.22	-0.6989
414	100	Unbiased	106.61	106.86	0.2422
415	100	Unbiased	106.18	106.89	0.709
416	100	Unbiased	107.49	107.06	-0.4355
417	50	Biased	106.47	106.25	-0.2153
418	50	Biased	105.73	105.77	0.0331
419	50	Biased	106.41	106.94	0.5318
421	50	Biased	106.27	106.09	-0.1746
422	50	Biased	107.95	108.08	0.1299
423	50	Unbiased	107.08	106.71	-0.3639
424	50	Unbiased	106.74	107.03	0.2858
425	50	Unbiased	106.01	106.01	0.0033
426	50	Unbiased	106.37	106.77	0.4009
427	50	Unbiased	106.47	106.63	0.1612
463	0	Corr	108.87	108.84	-0.0331
464	0	Corr	108.19	108.16	-0.0322
465	0	Corr	110.22	110.16	-0.0598
466	30	Biased	106.45	106.06	-0.3955
469	30	Biased	109.16	109.47	0.3087
470	30	Biased	107.53	107.4	-0.126
472	30	Biased	107.13	107.19	0.0605
474	30	Biased	106.79	106.9	0.1035
475	30	Unbiased	107.82	107.71	-0.1152
477	30	Unbiased	107.39	106.97	-0.4189
478	30	Unbiased	107.97	108.32	0.3434
479	30	Unbiased	108.69	108.71	0.0198
480	30	Unbiased	107.65	107.59	-0.0564
481	10	Biased	107.16	107.13	-0.0279
482	10	Biased	108.94	108.92	-0.0183
483	10	Biased	106.55	106.57	0.0147
484	10	Biased	108.44	108.47	0.0303
485	10	Biased	107.37	107.39	0.0195
487	10	Unbiased	107.76	107.86	0.0911
488	10	Unbiased	107.75	107.92	0.1689
489	10	Unbiased	107.43	107.31	-0.1215
490	10	Unbiased	107.14	107.1	-0.0468
491	10	Unbiased	108.47	108.18	-0.2837
492	3	Biased	107.35	107.29	-0.0636
493	3	Biased	107.94	107.96	0.0284
494	3	Biased	108.78	108.69	-0.0894
495	3	Biased	106.8	106.66	-0.145
496	3	Biased	108.58	108.58	-0.0031
497	3	Unbiased	108.4	108.48	0.0768
498	3	Unbiased	107.01	106.89	-0.1162
499	3	Unbiased	107.98	107.95	-0.0303
500	3	Unbiased	106.18	106.17	-0.0112
502	3	Unbiased	109.07	109.12	0.0445



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	108.19	109.09	110.22	1.0288	108.16	109.05	110.16	1.0139	-0.0598	-0.0417	-0.0322	0.015682
3	106.18	107.81	109.07	0.94695	106.17	107.78	109.12	0.98387	-0.145	-0.03091	0.0768	0.072071
10	106.55	107.7	108.94	0.72862	106.57	107.68	108.92	0.71544	-0.2837	-0.01737	0.1689	0.12196
30	106.45	107.66	109.16	0.81768	106.06	107.63	109.47	0.98443	-0.4189	-0.02761	0.3434	0.25486
50	105.73	106.55	107.95	0.61272	105.77	106.63	108.08	0.66202	-0.3639	0.07922	0.5318	0.28199
100	106.18	107.31	109.06	0.8408	106.68	107.4	108.9	0.64939	-0.6989	0.08436	0.709	0.42218

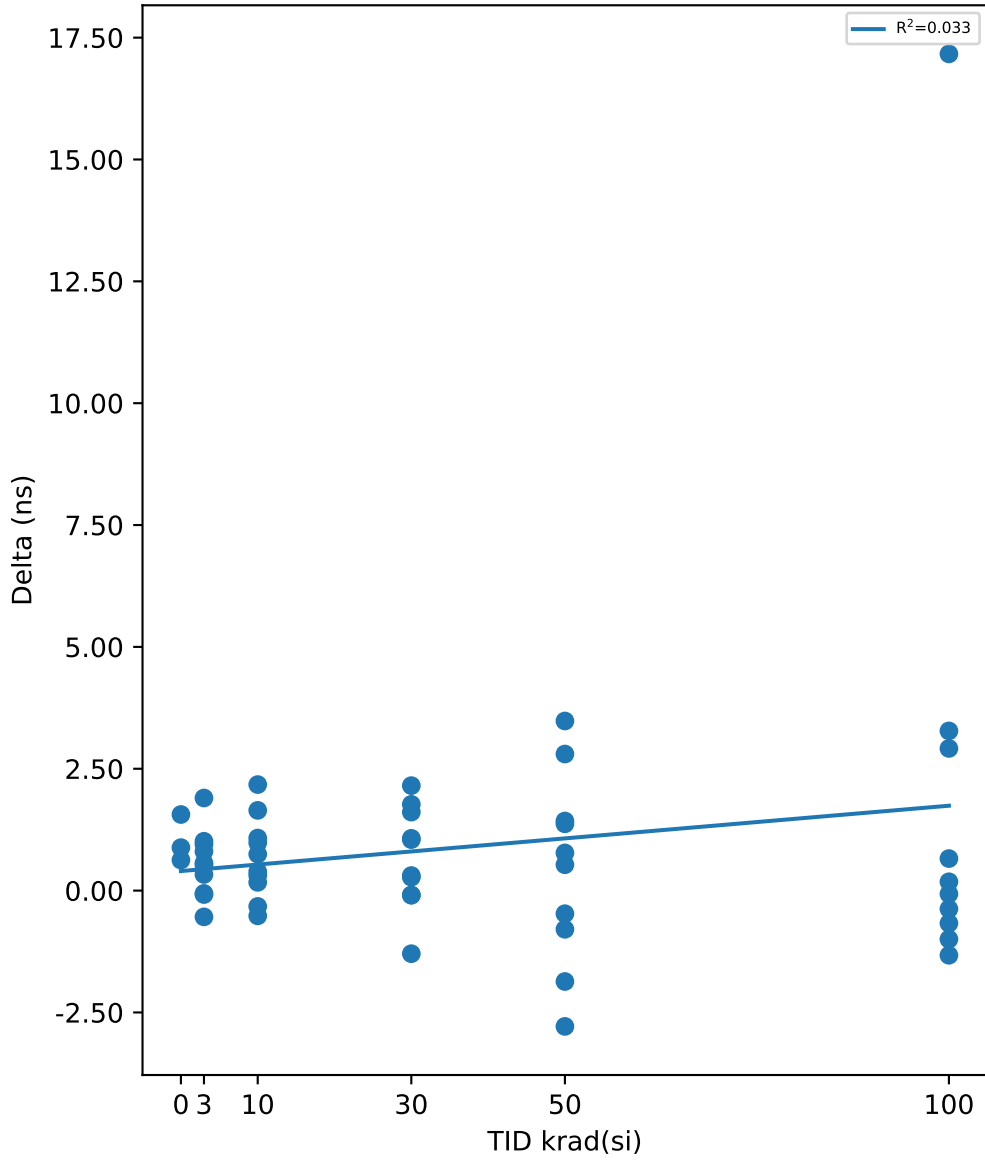
TID vs Result Stats



Test Results (Lower Limit = 90.0, Upper Limit = 250.0 (ns))

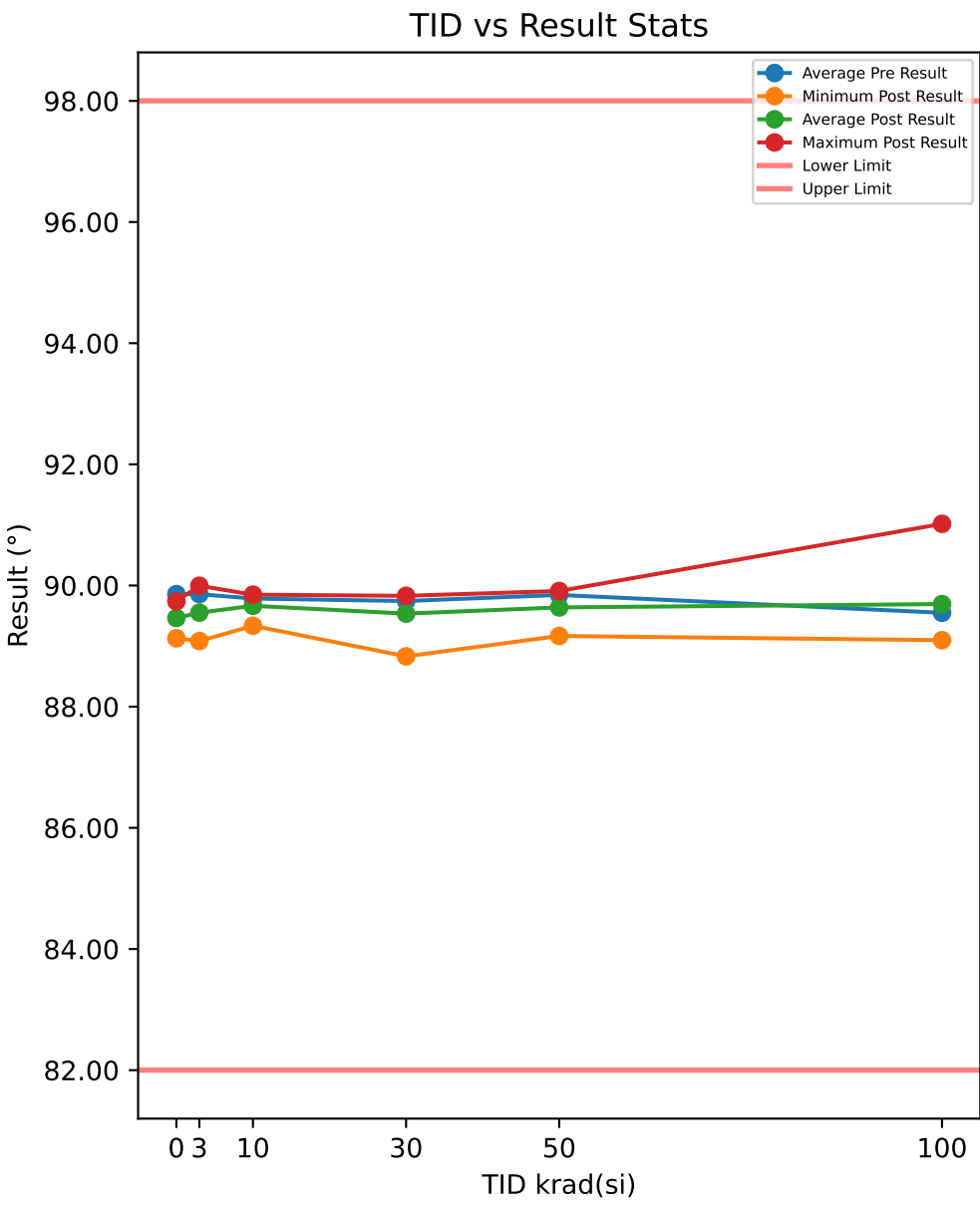
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
390	100	Biased	156.41	156.59	0.181
392	100	Biased	157.67	160.95	3.2761
393	100	Biased	155.07	154.7	-0.3757
394	100	Biased	155.71	158.63	2.9167
395	100	Biased	158.41	158.34	-0.0677
412	100	Unbiased	160.4	159.73	-0.6699
413	100	Unbiased	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

TID vs Post - Pre Exposure Delta



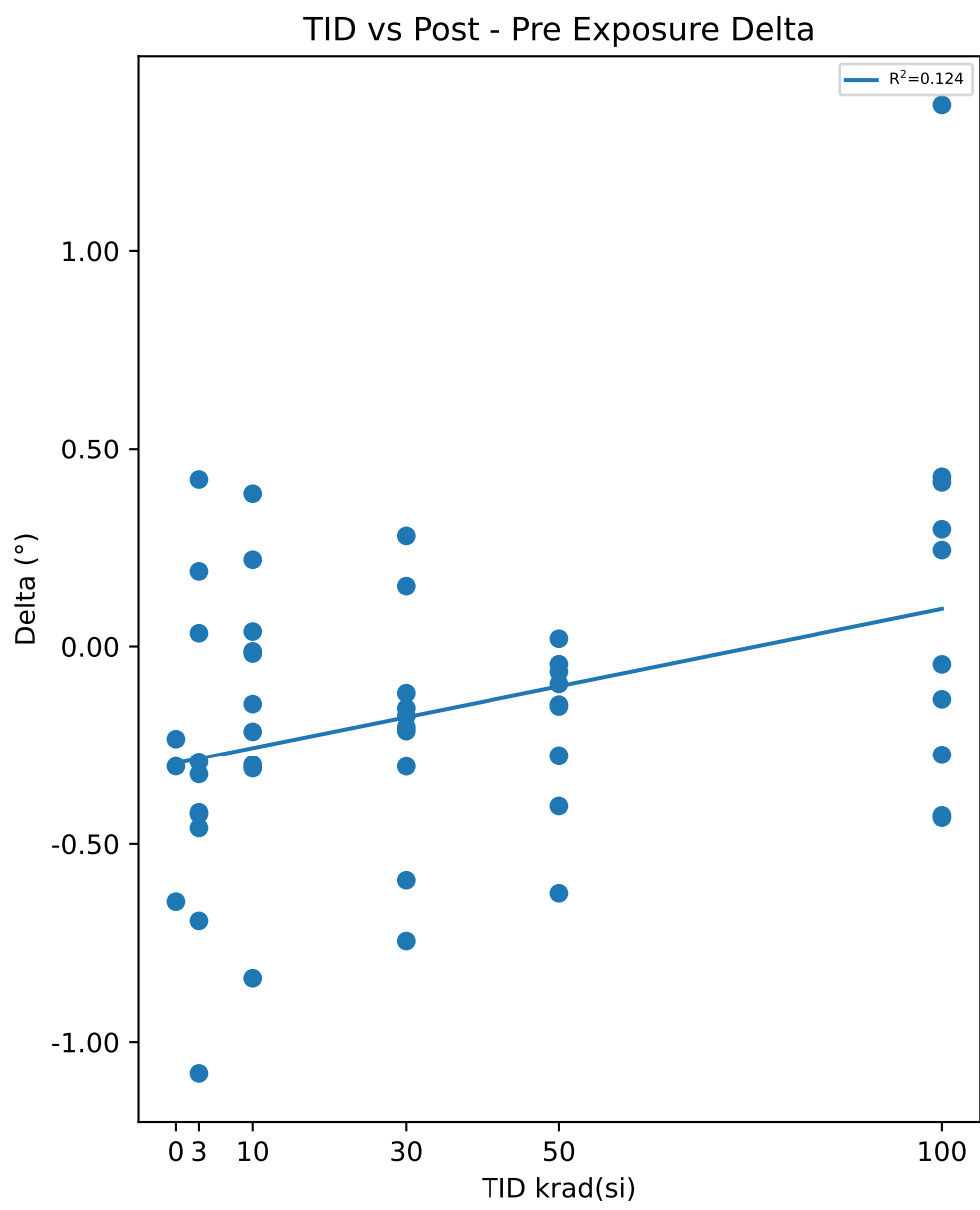
Test Statistics (ns)

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



Test Results (Lower Limit = 82.0, Upper Limit = 98.0 (°))

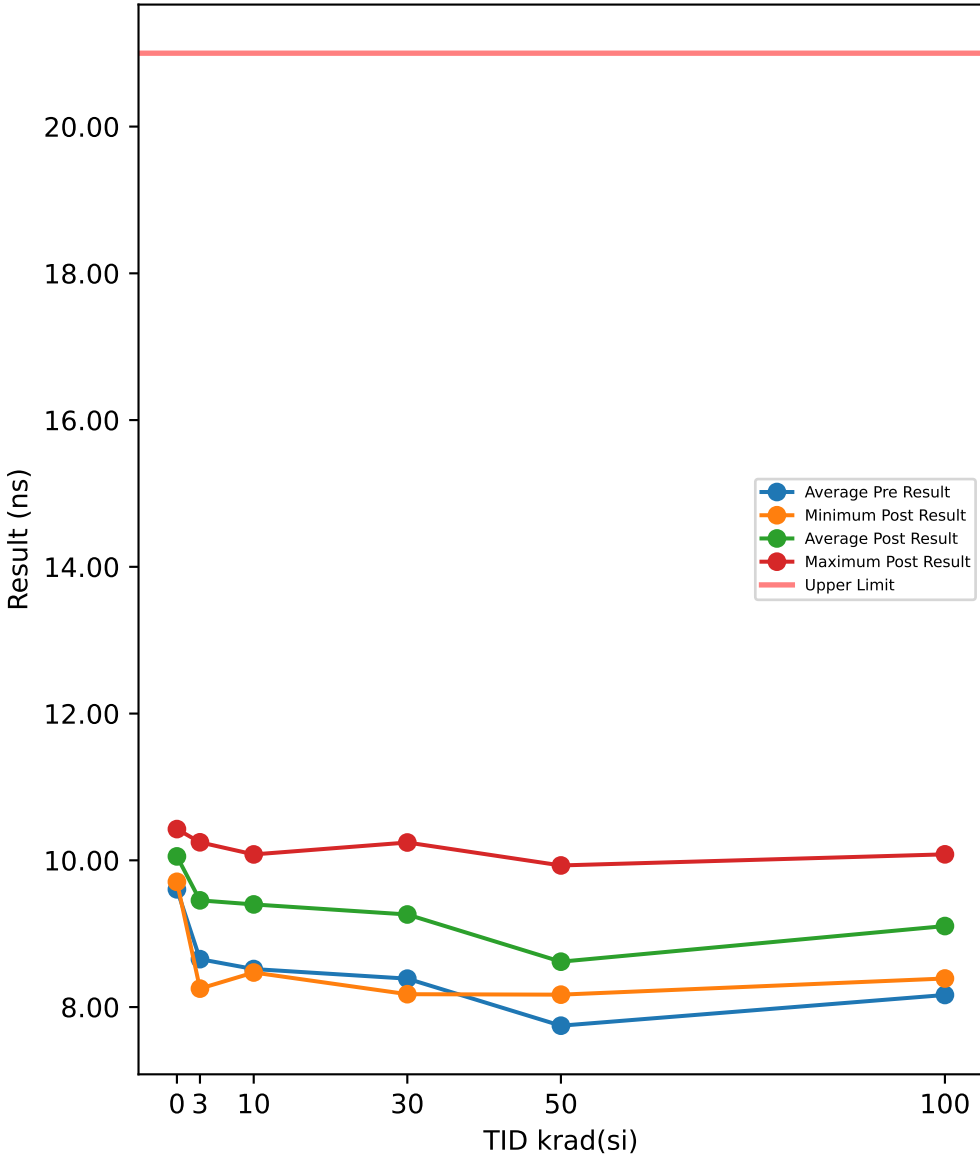
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
390	100	Biased	89.252	89.68	0.4279
392	100	Biased	89.935	89.507	-0.4282
393	100	Biased	89.413	89.368	-0.045
394	100	Biased	89.736	89.461	-0.2743
395	100	Biased	89.742	89.609	-0.1332
412	100	Unbiased	89.519	89.815	0.2957
413	100	Unbiased	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

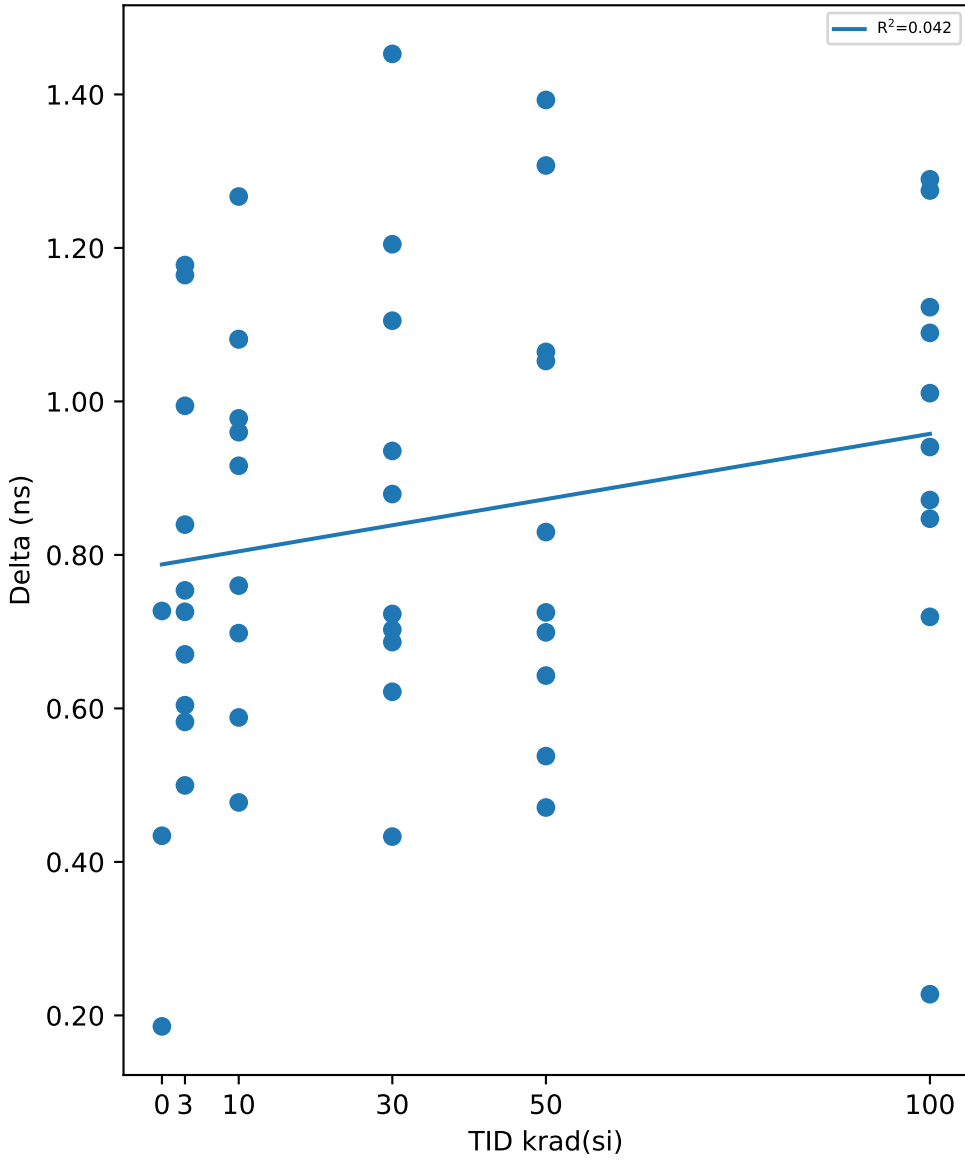
TID vs Result Stats



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

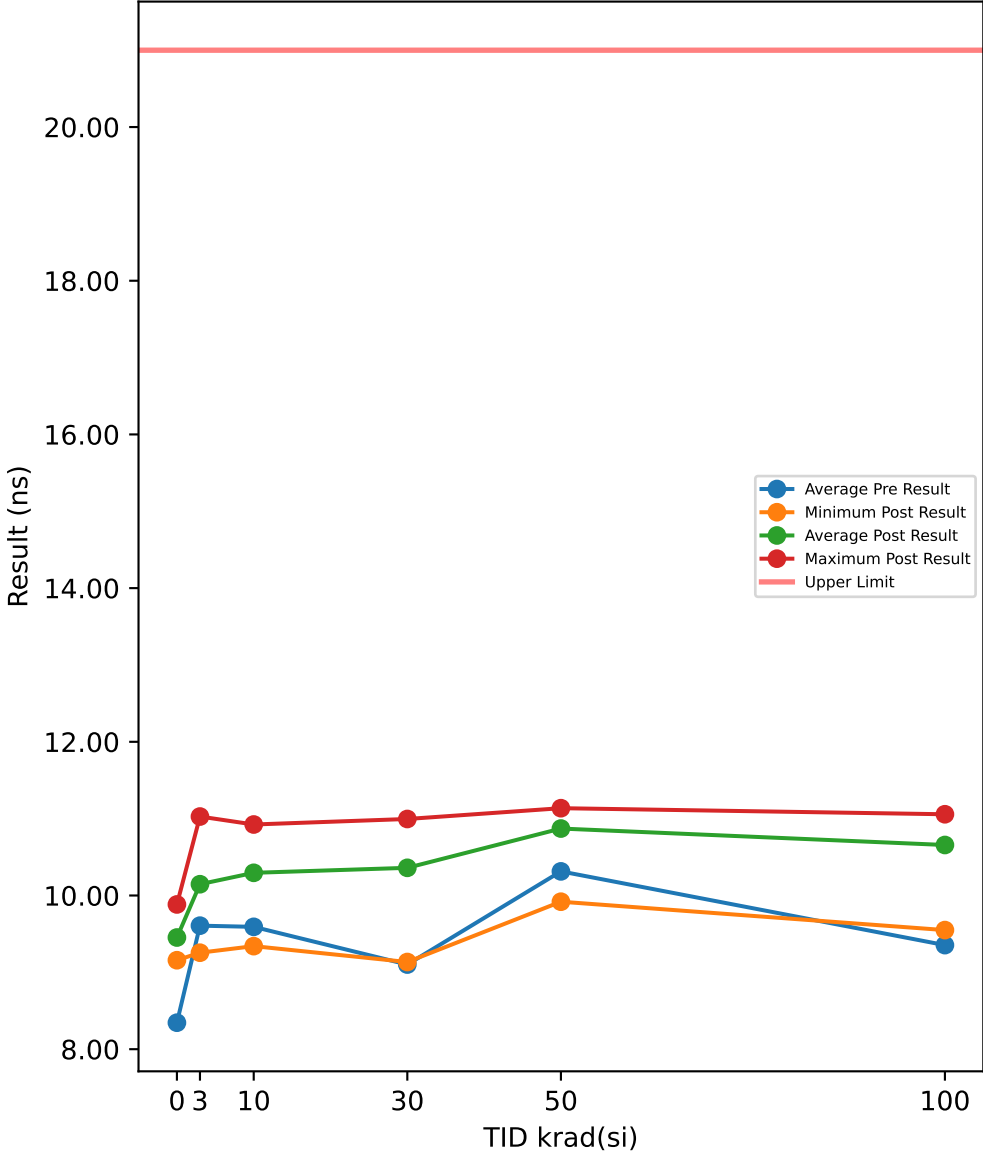
TID vs Post - Pre Exposure Delta



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

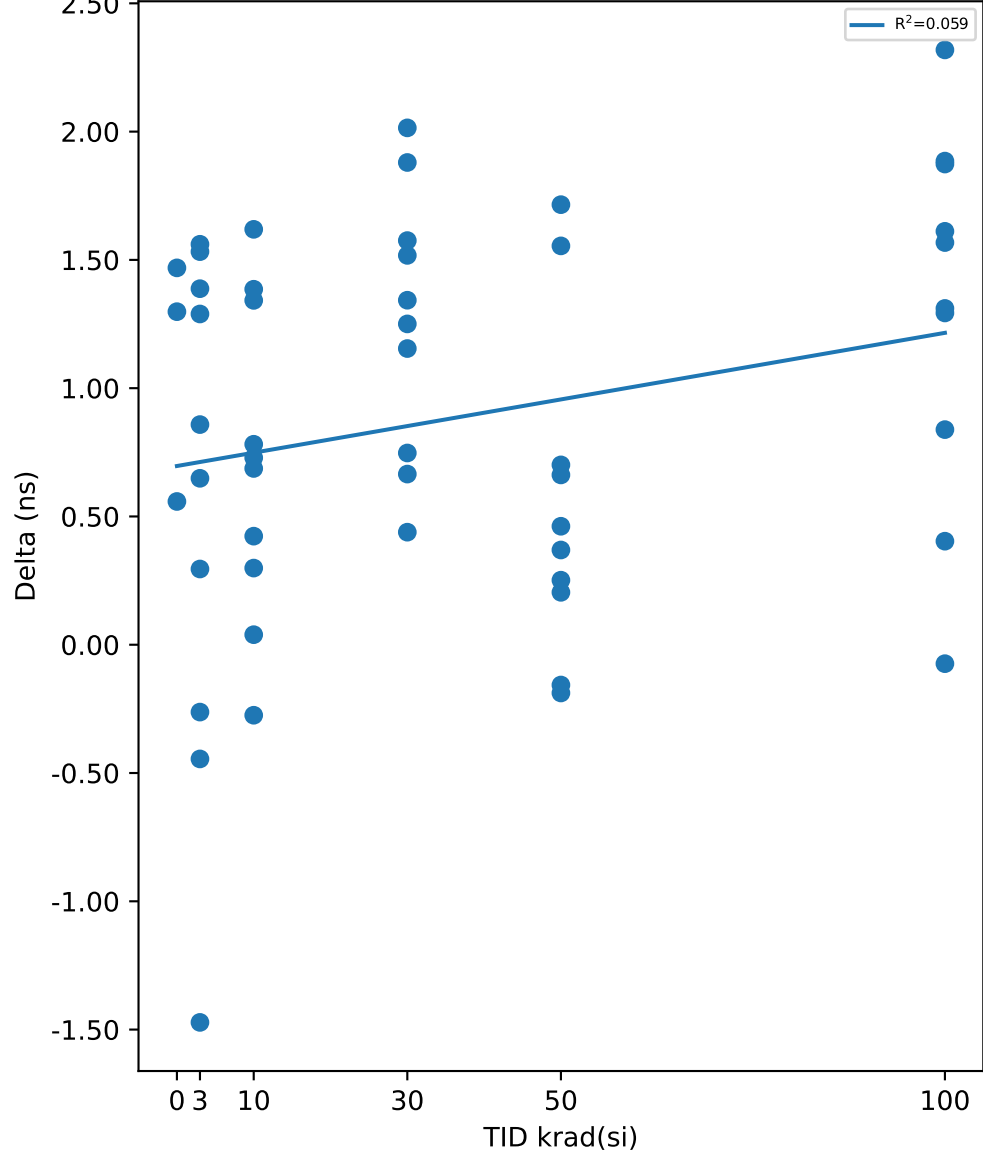
TID vs Result Stats



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

TID vs Post - Pre Exposure Delta



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

6 Revision History

NOTE: Page numbers for previous revisions may differ from page numbers in the current version.

Changes from Revision * (April 2024) to Revision A (August 2024)	Page
• Updated TID preliminary report to the newest device details and results for release to market.....	1
• Updated device picture and exposure details for device release.....	2
• Updated the bias diagram to vector image.....	3
• Updated biased and unbiased device information for device release.....	4
• Updated electrical parameter limits for device release.....	5
• Updated HDR results for device release.....	11

IMPORTANT NOTICE AND DISCLAIMER

TI PROVIDES TECHNICAL AND RELIABILITY DATA (INCLUDING DATA SHEETS), DESIGN RESOURCES (INCLUDING REFERENCE DESIGNS), APPLICATION OR OTHER DESIGN ADVICE, WEB TOOLS, SAFETY INFORMATION, AND OTHER RESOURCES "AS IS" AND WITH ALL FAULTS, AND DISCLAIMS ALL WARRANTIES, EXPRESS AND IMPLIED, INCLUDING WITHOUT LIMITATION ANY IMPLIED WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE OR NON-INFRINGEMENT OF THIRD PARTY INTELLECTUAL PROPERTY RIGHTS.

These resources are intended for skilled developers designing with TI products. You are solely responsible for (1) selecting the appropriate TI products for your application, (2) designing, validating and testing your application, and (3) ensuring your application meets applicable standards, and any other safety, security, regulatory or other requirements.

These resources are subject to change without notice. TI grants you permission to use these resources only for development of an application that uses the TI products described in the resource. Other reproduction and display of these resources is prohibited. No license is granted to any other TI intellectual property right or to any third party intellectual property right. TI disclaims responsibility for, and you will fully indemnify TI and its representatives against, any claims, damages, costs, losses, and liabilities arising out of your use of these resources.

TI's products are provided subject to [TI's Terms of Sale](#) or other applicable terms available either on [ti.com](https://www.ti.com) or provided in conjunction with such TI products. TI's provision of these resources does not expand or otherwise alter TI's applicable warranties or warranty disclaimers for TI products.

TI objects to and rejects any additional or different terms you may have proposed.

Mailing Address: Texas Instruments, Post Office Box 655303, Dallas, Texas 75265
Copyright © 2024, Texas Instruments Incorporated