Radiation Report

TPS7H6101-SEP Total Ionizing Dose (TID) Radiation Report

ABSTRACT

This report discusses the results of the total ionizing dose (TID) testing for the Texas Instruments TPS7H6101-SEP, 200V e-mode GaN power-FET half bridge with integrated gate driver. The study was done to determine TID effects under high dose rate (HDR) and low dose rate (LDR) up to 50krad(Si). The results show that all samples passed within the specified limits up to 50krad(Si).

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1 Device Information

1.1 Product Description

The TPS7H6101-SEP is a radiation-tolerant 200V e-mode GaN power-FET half bridge with integrated gate driver. Integration of the e-mode GaN FETs and gate driver simplifies design, reduces component count, and reduces board space. The LGA package is 12mm by 9mm.

1.2 Device Details

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

Table 1-1. Device and Exposure Details

TID HDR Details: up to 50 krad(Si)	
TI Device Family	TPS7H6101-SEP
TI Part Name	TPS7H6101MNPRTSEPM
Package	64-pin LGA (NPR)
Technology	Linear BiCMOS 7 (LBC7) and GaN
Quantity Tested	30 Irratiated units + 4 Control Units
Lot Accept/Reject	All levels tested and passed 20, 30, and 50 krad(Si)
HDR Radiation Facility	DCLAB - Texas Instruments, Dallas, TX
HDR Dose Level	20krad, 30krad, 50Krad (Si)
HDR Dose Rate	171.6rads(Si)/s
HDR Radiation Source	Gammacell 220 Excel (GC-220E) Co-60
LDR Dose Level	20krad, 30krad, 50krad (Si)
LDR Dose Rate	10rad(Si)/s
Irradiation Temperature	Ambient room temperature

Figure 1-1. TPS7H6101-SEP Device

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2 Total Dose Test Setup

2.1 Test Overview

The TPS7H6101-SEP was tested according to MIL-STD-883, Test Method 1019.9. For this testing, Condition A was used. For Condition A, the product was irradiated up to target radiation level and then put through full electrical parametric testing on the production Automated Test Equipment (ATE). All devices were functional and passed all electrical parametric tests with the readings within the data sheet electrical specification limits.

2.2 Test Description and Facilities

HDR exposure was performed on biased and unbiased devices in a Co-60 gamma cell at TI facility in Dallas CLAB (DCLAB), Texas. The un-attenuated dose rate of this cell is 171.6 rads(Si)/s. After exposure, the devices were packed in dry ice (per MIL-STD-883 Method 1019.9 section 3.10) and brought to Junkins lab in TI Dallas for full post-radiation electrical evaluation using Texas Instruments ATE. ATE test limits are set per data sheet electrical limits based on qualification and characterization data. Post-radiation measurements were taken within 30 minutes of removing the devices from the dry ice container. The devices were allowed to reach room temperature prior to electrical post-radiation measurements.

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2.3 Test Setup Details

The devices under HDR exposure were tested in both biased and unbiased conditions as described as follows.

2.3.1 Unbiased

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

2.3.2 Biased

Figure 2-1 and Figure 2-2 show the biased diagram that was used for HDR exposure.

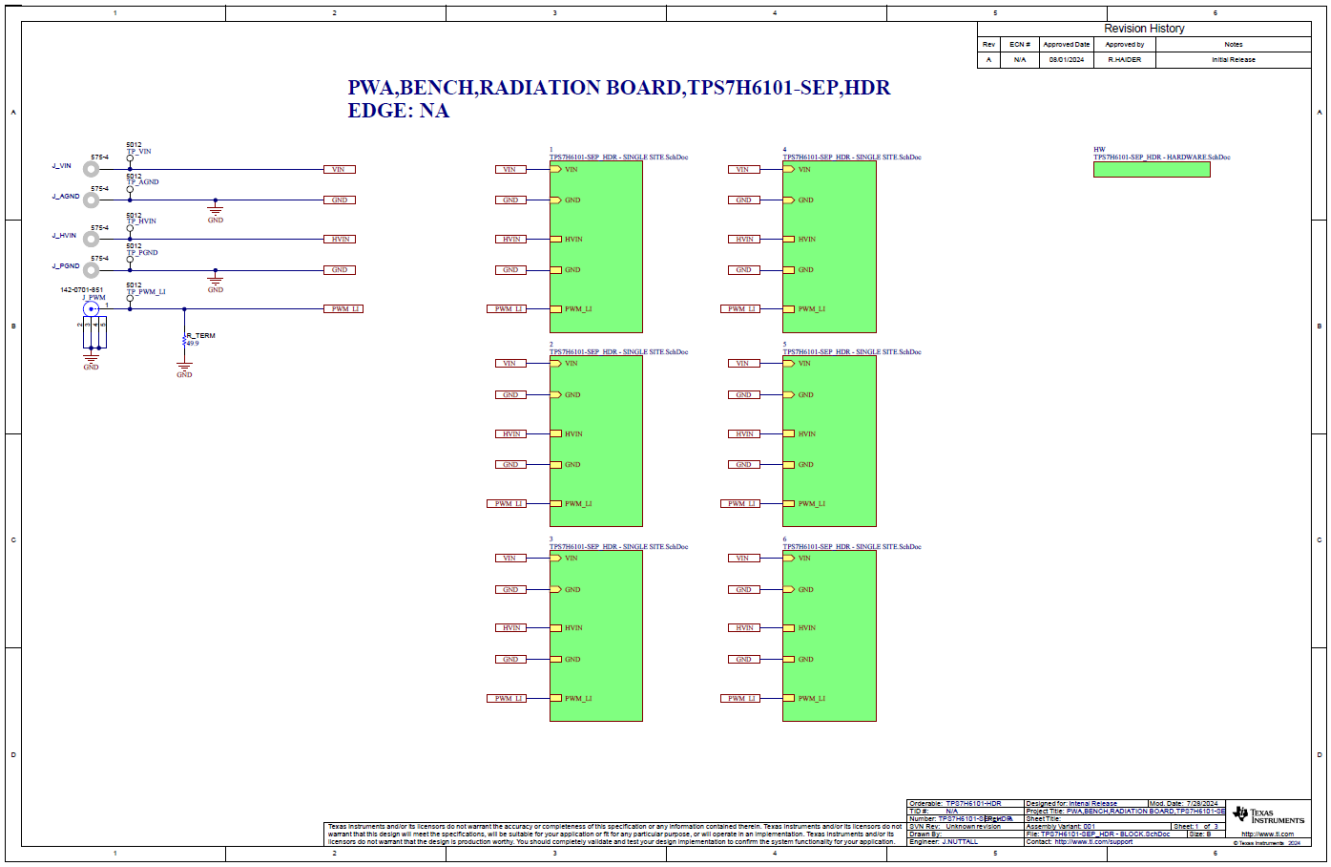

Figure 2-1. Bias Diagram Used in TID Exposure Part 1

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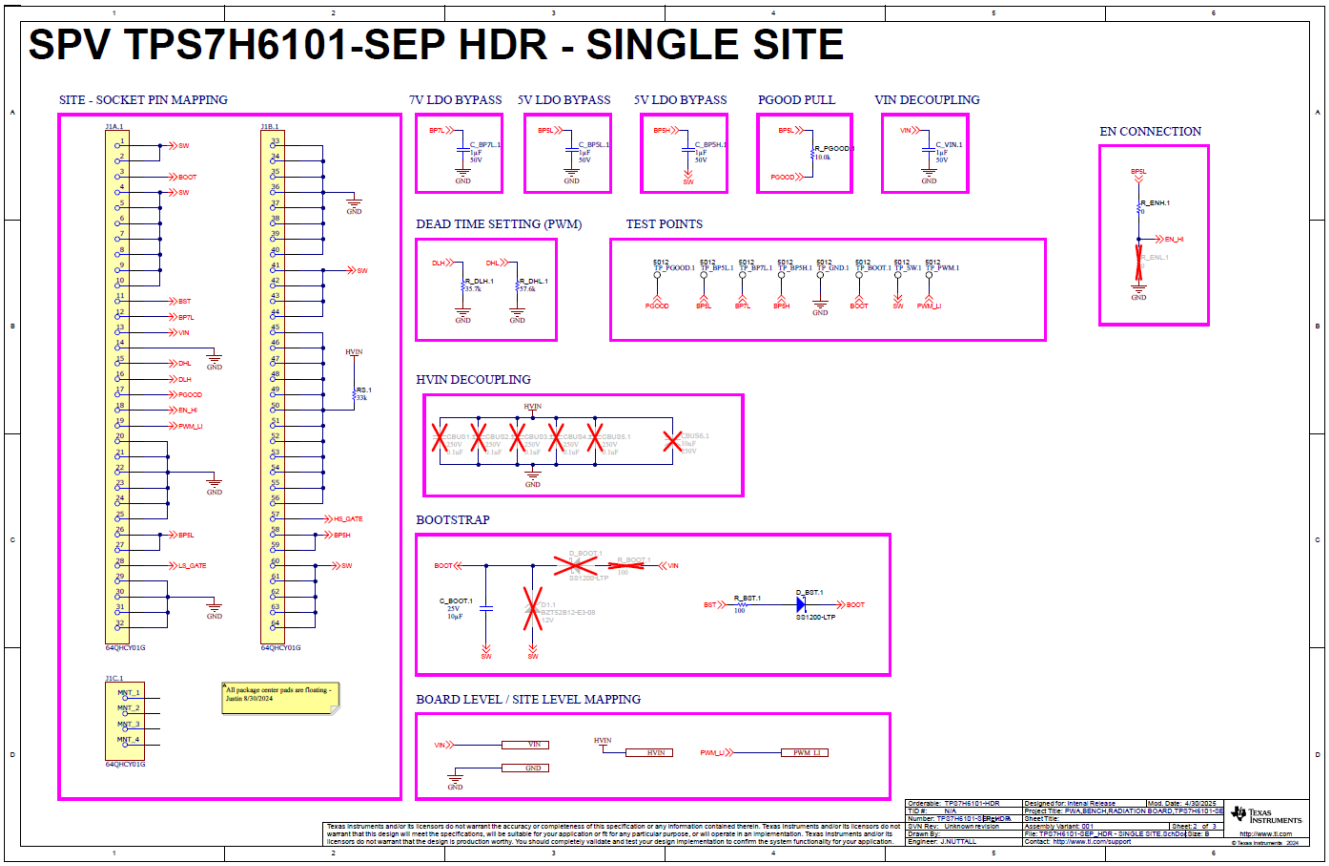

Figure 2-2. Bias Diagram Used in TID Exposure Part 2

Table 2-1. Biased Configuration

VIN (V)	HVIN (V)	Approximate Current Consumption Per Device (mA)	
		I_{VIN}	I_{HVIN}
14	150	10	0.07

2.4 Test Configuration and Condition

HDR devices were stressed at 50krad(Si) for biased and unbiased conditions.

Table 2-2. HDR Biased Device Information

Total Samples: 15			
Exposure Levels			
20Krad(Si) Biased	30Krad(Si) Biased	50Krad(Si) Biased	Control Unit
1, 2, 3, 4, 5	11, 12, 13, 14, 15	21, 22, 23, 24, 25	41, 42, 43, 44

Table 2-3. HDR Unbiased Device Information

Total Samples: 15			
Exposure Levels			
20Krad(Si) Unbiased	30Krad(Si) Unbiased	50Krad(Si) Unbiased	Control Unit
6, 7, 8, 9, 10	16, 17, 18, 19, 20	26, 27, 28, 29, 30	41, 42, 43, 44

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3 TID Characterization Test Results

3.1 TID Characterization Summary Results

The parametric data for the TPS7H6101-SEP passes up to 50krad(Si) HDR TID exposure. The drifts of the electrical parameters through HDR were within the data sheet limits.

Overall, the TPS7H6101-SEP showed a strong degree of hardness to irradiation up to 50krad(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. See TPS7H6101-SEP Electrical Parameters Table below parameters and associated tests.

See Appendix: HDR TID Report Data for HDR report up to 50 krad(Si).

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3.2 Data Sheet Electrical Parameters and Associated Tests

Table 3-1. TPS7H6101-SEP Electrical Parameters Table

PARAMETER		TEST CONDITION		MIN	TYP	MAX	UNIT	TEST NUMBERS
GAN POWER FETs								
$R_{DS(on)(ls)}$	Drain-source on resistance - low side	V_{PWM_LI} = 5V, I_D = 2A	T_A = 25℃		16		mΩ	14.3
$V_{SD(ls)}$	Low side source-drain (GND to SW_LS) third quadrant voltage	I_D = -0.5A			1.8		V	14.7
		I_D = -1A			2		V	14.9
$I_{DSS(ls)}$	Low side drain (SW_LS to GND) leakage current	$V_{DS(LS)}$ = 150V, V_{PWM_LI} = 0V	T_A = 25℃		15	150	µA	14.20
$R_{DS(on)(hs)}$	Drain-source on resistance - high side	V_{EN_HI} = 5V, I_D = 2A	T_A = 25℃		16		mΩ	14.6
$V_{SD(hs)}$	Low side source-drain (SW_HS to HVIN) third quadrant voltage	I_D = -0.5A			1.8		V	14.11
		I_D = -1A			2		V	14.13
$I_{DSS(hs)}$	Low side drain (SW_HS to HVIN) leakage current		T_A = 25℃		15	150	µA	14.27
SUPPLY CURRENTS								
I_{Q_LS}	Low side shut down current	EN = 0V, VIN = 12V, BOOT = 10V	MODE = PWM		5	6.8	mA	12.1 12.9, 12.17
			MODE = IIM		5	8	mA	12.25, 12.33, 12.41, 12.49 , 12.57, 12.65
I_{Q_HS}	High side shut down current	EN = 0V, VIN = 12V, BOOT = 10V	MODE = PWM		5	6.3	mA	12.2 , 12.10, 12.18
			MODE = IIM		5	6.3	mA	12.26, 12.34, 12.42, 12.50, 12.58, 12.66
I_{OP_LS}	Low side operating current	MODE = PWM	f = 500kHz		9	12	mA	12.3, 12.11, 12.19
			f = 1Mhz		13	16	mA	12.5, 12.13, 12.21
			f = 2Mhz		21	25	mA	12.7, 12.15, 12.23
		MODE = IIM	f = 500kHz		9	12	mA	12.27, 12.35, 12.43, 12.51, 12.59, 12.67
			f = 1Mhz		13	16	mA	12.29, 12.37, 12.45, 12.53, 12.61, 12.69
			f = 2Mhz		21	25	mA	12.31, 12.39, 12.47, 12.55, 12.63, 12.71
I_{OP_HS}	High side operating current	MODE = PWM	f = 500kHz		9	12	mA	12.4, 12.12, 12.20
			f = 1Mhz		13	16	mA	12.6, 12.14, 12.22
			f = 2Mhz		21	25	mA	12.8, 12.16, 12.24
		MODE = IIM	f = 500kHz		9	12	mA	12.28, 12.36, 12.44
			f = 1Mhz		13	16	mA	12.30, 12.38, 12.46, 12.54, 12.62, 12.70
			f = 2Mhz		21	25	mA	12.32, 12.40, 12.48, 12.56, 12.64, 12.72
INTERNAL REGULATORS								
V_{BP5L}	Low side 5V regulator output voltage	C_{BP5L} = 1µF		4.75	5.0	5.175	V	16.1, 16.2, 16.3
V_{BP5H}	High side 5V regulator output voltage	C_{BP5H} = 1µF		4.75	5.0	5.175	V	16.7, 16.8, 16.9
V_{BP7L}	7V regulator output voltage	C_{BP7L} = 1µF		6.65	7.0	7.35	V	16.4, 16.5, 16.6
UNDERVOLTAGE PROTECTION								

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Table 3-1. TPS7H6101-SEP Electrical Parameters Table (continued)

PARAMETER		TEST CONDITION		MIN	TYP	MAX	UNIT	TEST NUMBERS
$BP5H_R$	BP5H UVLO rising threshold	C_{BP5H} = 1µF			4.1		V	15.25, 15.28, 15.31
$BP5H_F$	BP5H UVLO falling threshold				3.9		V	15.26, 15.29, 15.32
$BP5H_H$	BP5H UVLO hysteresis				0.25		V	15.27, 15.30, 15.33
$BP5L_R$	BP5L UVLO rising threshold	C_{BP5L} = 1µF			4.1		V	15.7, 15.10, 15.13
$BP5L_F$	BP5L UVLO falling threshold				3.9		V	15.8, 15.11, 15.14
$BP5L_H$	BP5L UVLO hysteresis				0.25		V	15.9, 15.12, 15.15
$BP7L_R$	BP7L UVLO rising threshold	C_{BP7L} = 1µF			6.4		V	15.16, 15.19, 15.22
$BP7L_F$	BP7L UVLO falling threshold				6.1		V	15.17, 15.20, 15.23
$BP7L_H$	BP7L UVLO hysteresis				0.3		V	15.18, 15.21, 15.24
VIN_R	VIN UVLO rising threshold			8.0	8.6	9.0	V	15.1
VIN_F	VIN UVLO falling threshold			7.5	8.1	8.5	V	15.2
VIN_H	**VIN UVLO hysteresis**				**0.5**		**V**	**15.3**
$BOOT_R$	BOOT UVLO rising threshold			6.6	7.1	7.4	V	15.4
$BOOT_F$	BOOT UVLO falling threshold			6.2	6.65	7.0	V	15.5
$BOOT_H$	BOOT UVLO hysteresis				0.45		V	15.6
INPUT PINS								
V_{IR}	Input rising edge threshold			1.85		2.85	V	17.1, 17.4, 17.11, 17.14, 17.21, 17.24
V_{IF}	Input falling edge threshold			0.95		1.95	V	17.2, 17.5, 17.12, 17.15, 17.22, 17.25
V_{IHYS}	Input hysteresis				0.7		V	17.3, 17.6, 17.13, 17.16, 17.23, 17.26
R_{PD}	Input pull-down resistancev	V = 2.15V applied at input (EN_HI or PWM_LI)		100		400	kΩ	17.7, 17.8, 17.17, 17.18, 17.27, 17.28
PROGRAMMBLE DEAD TIME								
t_{DLH}	Dead time low side falling to high side	MODE = PWM From V_{LSG} = 0.48V to V_{HSG} = 0.48V 100kHz < f ≤ 2MHz	RLH = 35.7kΩ	20	30	39	ns	19.1, 19.3, 19.5, 19.7, 19.9, 19.11, 19.13, 19.15, 19.17, 19.19, 19.21, 19.23
t_{DHL}	Dead time high side falling to low side	MODE = PWM From V_{HSG} = 0.48V to V_{LSG} = 0.48V 100kHz < f ≤ 2MHz	RLH = 57.6kΩ	36	44	55	ns	19.2, 19.4, 19.6, 19.8, 19.10, 19.12, 19.14, 19.16, 19.18, 19.20, 19.22, 19.24
BOOTSTRAP DIODE SWITCH								
R_{BST_SW}	Bootstrap diode switch resistance	I_{BST_SW} = 100mA			0.3		Ω	17.9, 17.19, 17.29
	Bootstrap diode switch parallel resistance	I_{BST_RP} = 1mA		0.8	1	1.2	kΩ	17.10, 17.20, 17.30
POWER GOOD								
V_{PG_OL}	Logic-low output	I_{FLT} = 1mA				0.4	V	18.1
R_{PG}	PGOOD internal resistance	BP5L = 5V, BP7L = 7V, VIN = 12V		0.6	1	1.8	MΩ	18.3, 18.4, 18.5
$V_{BP7I_MIN_PG}$	Minimum BP7L voltage for valid PGOOD				3	3.6	V	18.2
GATE DRIVE TIMING								

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Table 3-1. TPS7H6101-SEP Electrical Parameters Table (continued)

PARAMETER		TEST CONDITION		MIN	TYP	MAX	UNIT	TEST NUMBERS
$t_{p(off)(ls)}$	Low side turn-off propagation delay	From V_{PWM_LI} = V_{IR} to V_{LSG} = 2.5V I_D = 400mA	Mode = PWM		41	51	ns	19.25, 19.31, 19.37
		From V_{PWM_LI} = V_{IF} to V_{LSG} = 2.5V I_D = 400mA	Mode = IIM		33	42	ns	19.44, 19.54, 19.64, 19.74, 19.84, 19.94
$t_{p(on)(ls)}$	Low side turn-on gate drive propagation delay	From V_{PWM_LI} = V_{IR} to V_{LSG} = 2.5V I_D = 400mA	Mode = IIM		33	42	ns	19.43, 19.53, 19.63, 19.73, 19.83, 19.93
$t_{p(off)(hs)}$	High side turn-off propagation delay	From V_{PWM_LI} = V_{IF} to V_{HSG} = 2.5V I_D = 400mA	Mode = PWM		35	50	ns	19.26, 19.32, 19.38
		From V_{EN_LI} = V_{IF} to V_{HSG} = 2.5V I_D = 400mA	Mode = IIM		35	45	ns	19.46, 19.56, 19.66, 19.76, 19.86, 19.96
$t_{p(on)(hs)}$	High side turn-on propagation delay	From V_{EN_HI} = V_{IR} to V_{HSG} = 2.5V I_D = 400mA	Mode = IIM		35	50	ns	19.45, 19.55, 19.65, 19.75, 19.85, 19.95
$t_{d(on)(ls)}$	Low side turn-on delay	From V_{PWM_LI} = V_{IF} to $V_{DS(ls)}$ = 4V I_D = 400mA	Mode = PWM		45	60	ns	19.27, 19.33, 19.39
		From V_{PWM_LI} = V_{IR} to $V_{DS(ls)}$ = 4V I_D = 400mA	Mode = IIM		45	60	ns	19.47, 19.57, 19.67, 19.77, 19.87, 19.97
$t_{d(off)(ls)}$	Low side turn-off delay	From V_{PWM_LI} = V_{IR} to $V_{DS(ls)}$ = 1V I_D = 400mA	Mode = PWM		51	79	ns	19.28, 19.34, 19.40
		From V_{PWM_LI} = V_{IF} to $V_{DS(ls)}$ = 1V I_D = 400mA	Mode = IIM		45	60	ns	19.48, 19.58, 19.68, 19.78, 19.88, 19.98
$t_{d(on)(hs)}$	High side turn-on delay	From V_{PWM_LI} = V_{IR} to $V_{DS(hs)}$ = 1V I_D = 400mA	Mode = PWM		39	65	ns	19.29, 19.35, 19.41
		From V_{EN_HI} = V_{IR} to $V_{DS(hs)}$ = 1V I_D = 400mA	Mode = IIM		39	65	ns	19.49, 19.59, 19.69, 19.79, 19.89, 19.99
$t_{d(off)(hs)}$	High side turn-off delay	From V_{PWM_LI} = V_{IF} to $V_{DS(hs)}$ = 4V I_D = 400mA	Mode = PWM		45	65	ns	19.30, 19.36, 19.42
		From V_{PWM_LI} = V_{IF} to $V_{DS(hs)}$ = 4V I_D = 400mA	Mode = IIM		45	65	ns	19.50, 19.60, 19.70, 19.80, 19.90, 19.100
t_{MON}	Delay matching low side on and high side off		MODE = IIM		5	8	ns	19.51, 19.61, 19.71, 19.81, 19.91, 19.101
t_{MOFF}	Delay matching low side off and high side on		MODE = IIM		5	8	ns	19.52, 19.62, 19.72, 19.82, 19.92, 19.102

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Table 3-1. TPS7H6101-SEP Electrical Parameters Table (continued)

PARAMETER		TEST CONDITION		MIN	TYP	MAX	UNIT	TEST NUMBERS
$t_{PW(IIM)}$	Minimum input pulse width (turn-on)		MODE = IIM		5	8	ns	19.103, 19.105, 19.107, 19.109, 19.111, 19.113
$t_{PW(IIM)(OFF)}$	Minimum input pulse width (turn-off)		MODE = IIM		12	16	ns	19.104, 19.106, 19.108, 19.110, 19.112, 19.114

4 Applicable and Reference Documents

4.1 Applicable Documents

- Texas Instruments, *TPS7H6101-SEP 200V, 10A GaN Half Bridge Power Stage* datasheet
- Texas Instruments, *TPS7H6101-SEP Evaluation Module* EVM user's guide

4.2 Reference Documents

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

A Appendix: HDR TID Report Data

This appendix contains the HDR TID report data.

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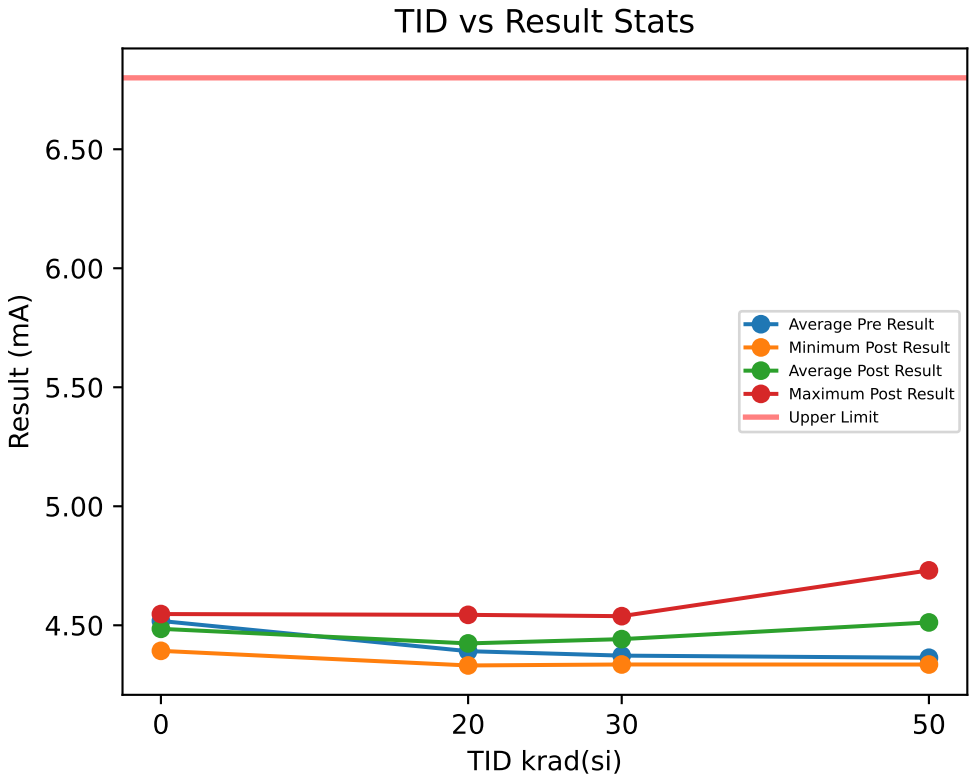
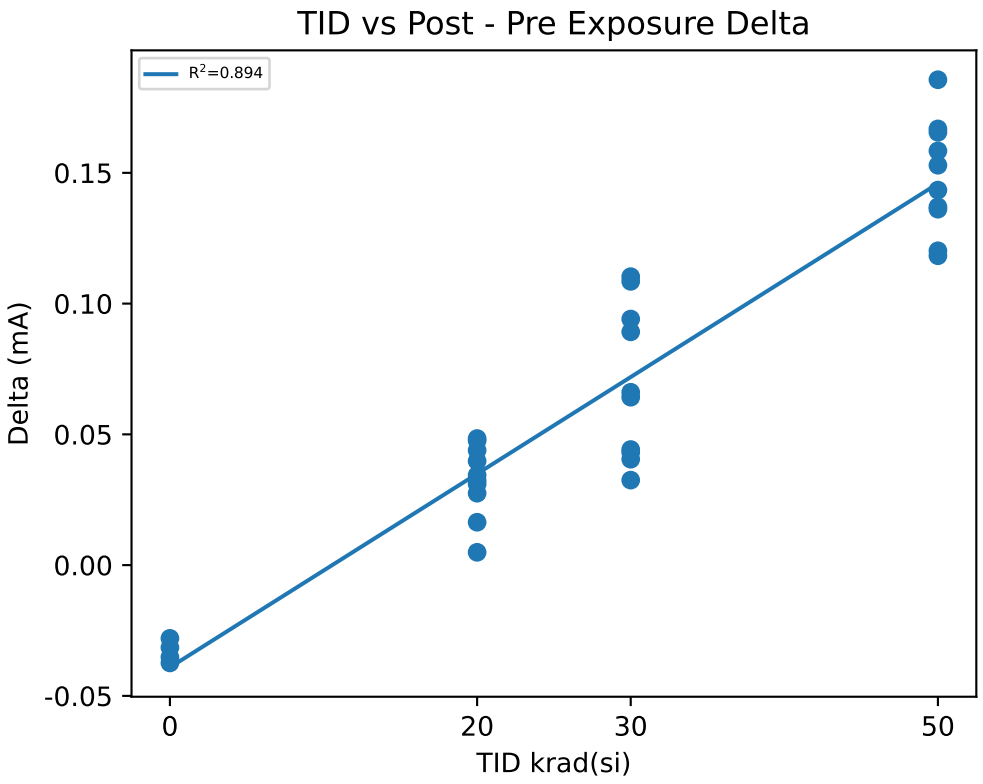
Device Test: 12.1 IQ|PWM/VIN/10/8///0MHz/@IQ_LS_PWM





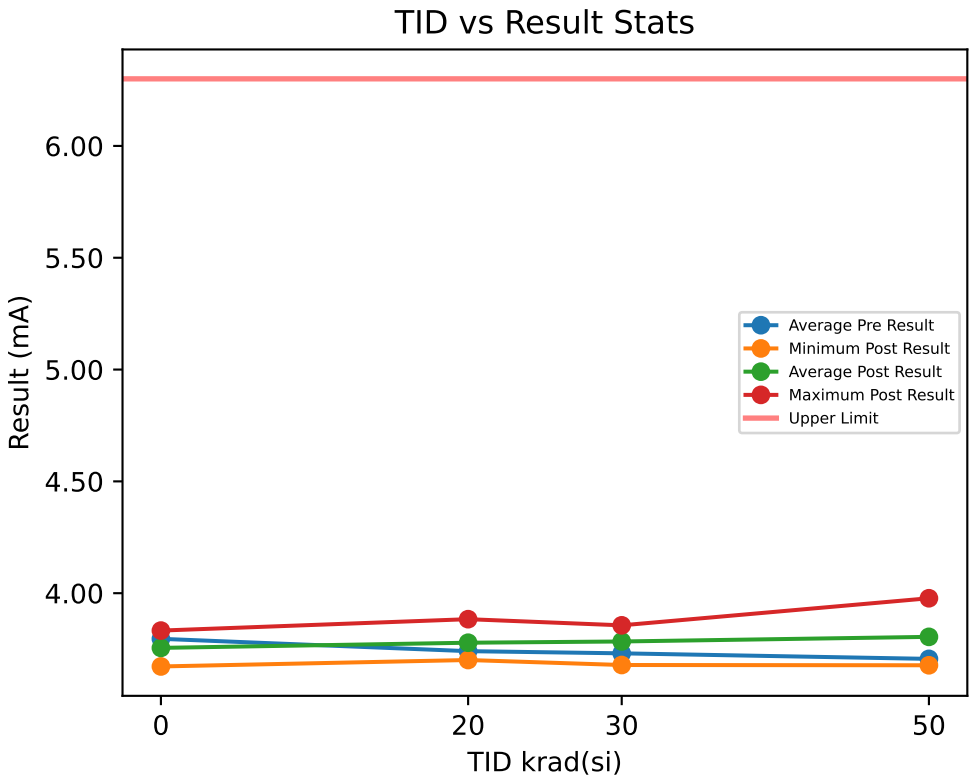
Test Results (Upper Limit = 6.8 (mA))

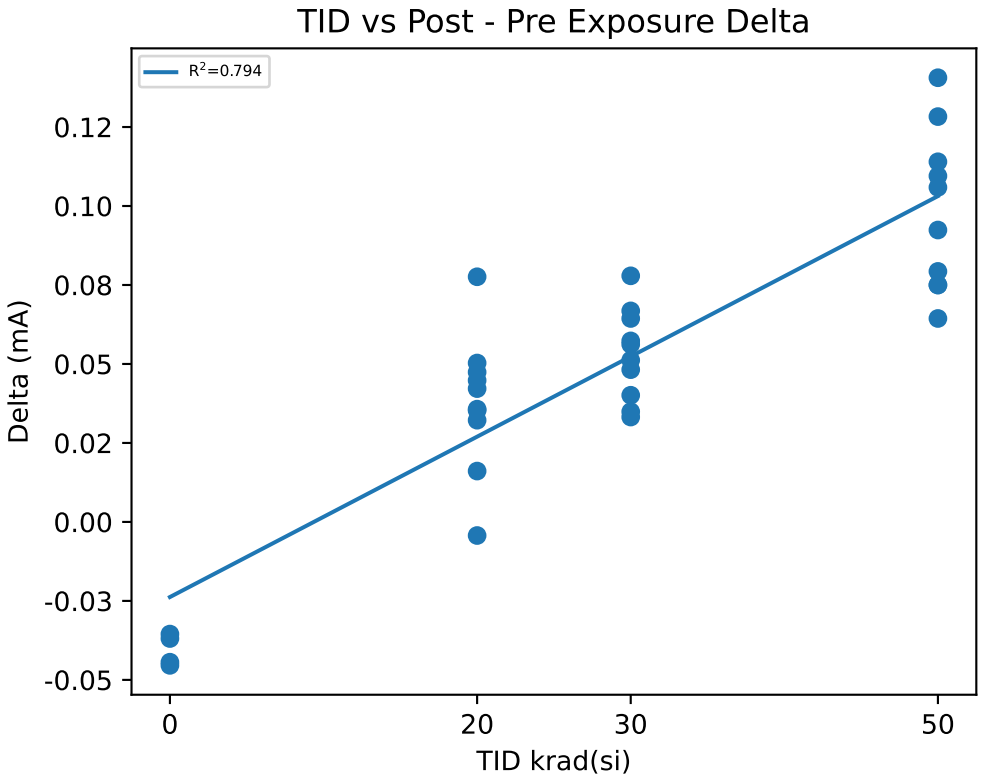
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	20	HDR BIAS	4.3327	4.3602	0.0275
2	20	HDR BIAS	4.3919	4.4358	0.0439
3	20	HDR BIAS	4.4391	4.4875	0.0484
4	20	HDR BIAS	4.3263	4.3312	0.0049
5	20	HDR BIAS	4.3522	4.3846	0.0324
6	20	HDR UNBIAS	4.3608	4.4084	0.0476
7	20	HDR UNBIAS	4.3813	4.3977	0.0164
8	20	HDR UNBIAS	4.4541	4.4939	0.0398
9	20	HDR UNBIAS	4.3643	4.3953	0.031
10	20	HDR UNBIAS	4.5094	4.5438	0.0344
11	30	HDR BIAS	4.3761	4.4846	0.1085
12	30	HDR BIAS	4.4324	4.4766	0.0442
13	30	HDR BIAS	4.428	4.5383	0.1103
14	30	HDR BIAS	4.3828	4.4769	0.0941
15	30	HDR BIAS	4.2922	4.3353	0.0431
16	30	HDR UNBIAS	4.3448	4.3773	0.0325
17	30	HDR UNBIAS	4.2868	4.376	0.0892
18	30	HDR UNBIAS	4.3974	4.4616	0.0642
19	30	HDR UNBIAS	4.3929	4.459	0.0661
20	30	HDR UNBIAS	4.3919	4.4324	0.0405
21	50	HDR BIAS	4.2842	4.4276	0.1434
22	50	HDR BIAS	4.1696	4.3351	0.1655
23	50	HDR BIAS	4.5639	4.7307	0.1668
24	50	HDR BIAS	4.4738	4.6267	0.1529
25	50	HDR BIAS	4.3459	4.5043	0.1584
26	50	HDR UNBIAS	4.3172	4.4355	0.1183
27	50	HDR UNBIAS	4.4572	4.5942	0.137
28	50	HDR UNBIAS	4.3134	4.4336	0.1202
29	50	HDR UNBIAS	4.3565	4.5421	0.1856
30	50	HDR UNBIAS	4.3538	4.4899	0.1361
41	0	CORRELATION	4.5787	4.5472	-0.0315
42	0	CORRELATION	4.43	4.3926	-0.0374
43	0	CORRELATION	4.5614	4.5334	-0.028
45	0	CORRELATION	4.5024	4.4672	-0.0352

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	4.43	4.5181	4.5787	0.067219	4.3926	4.4851	4.5472	0.070866	-0.0374	-0.033025	-0.028	0.0041412
20	4.3263	4.3912	4.5094	0.058806	4.3312	4.4238	4.5438	0.066167	0.0049	0.03263	0.0484	0.013807
30	4.2868	4.3725	4.4324	0.050288	4.3353	4.4418	4.5383	0.06164	0.0325	0.06927	0.1103	0.029373
50	4.1696	4.3636	4.5639	0.1106	4.3351	4.512	4.7307	0.11528	0.1183	0.14842	0.1856	0.021454

Device Test: 12.10 IQ|PWM/BOOT/12/10///0MHz/@IQ_HS_PWM





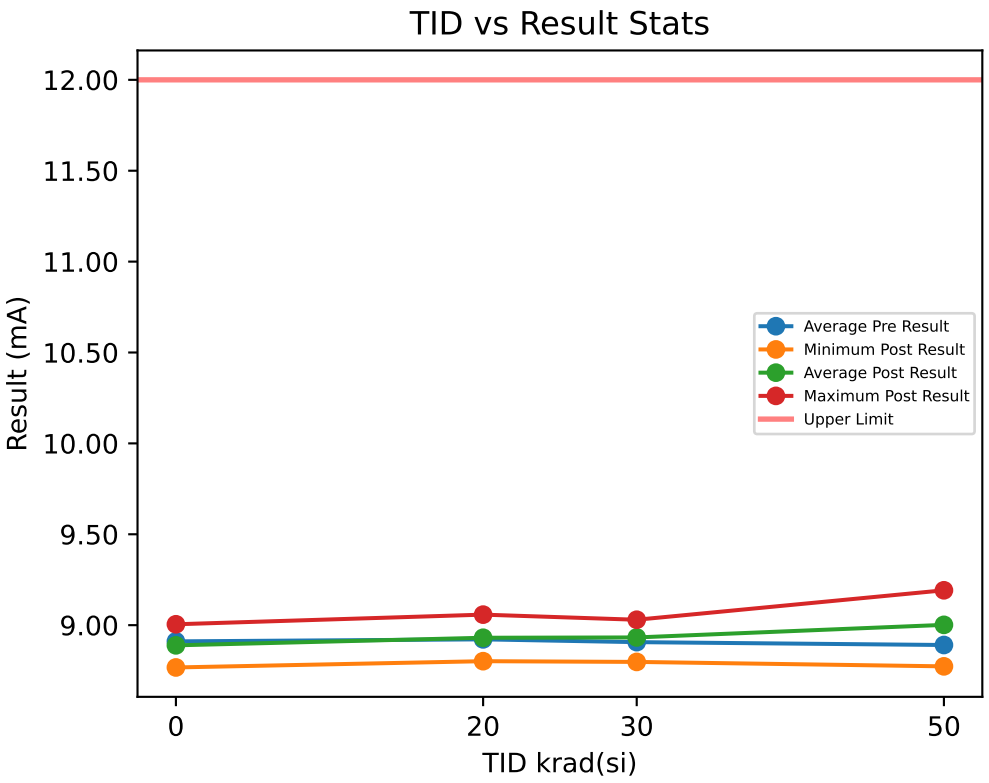
Test Results (Upper Limit = 6.3 (mA))

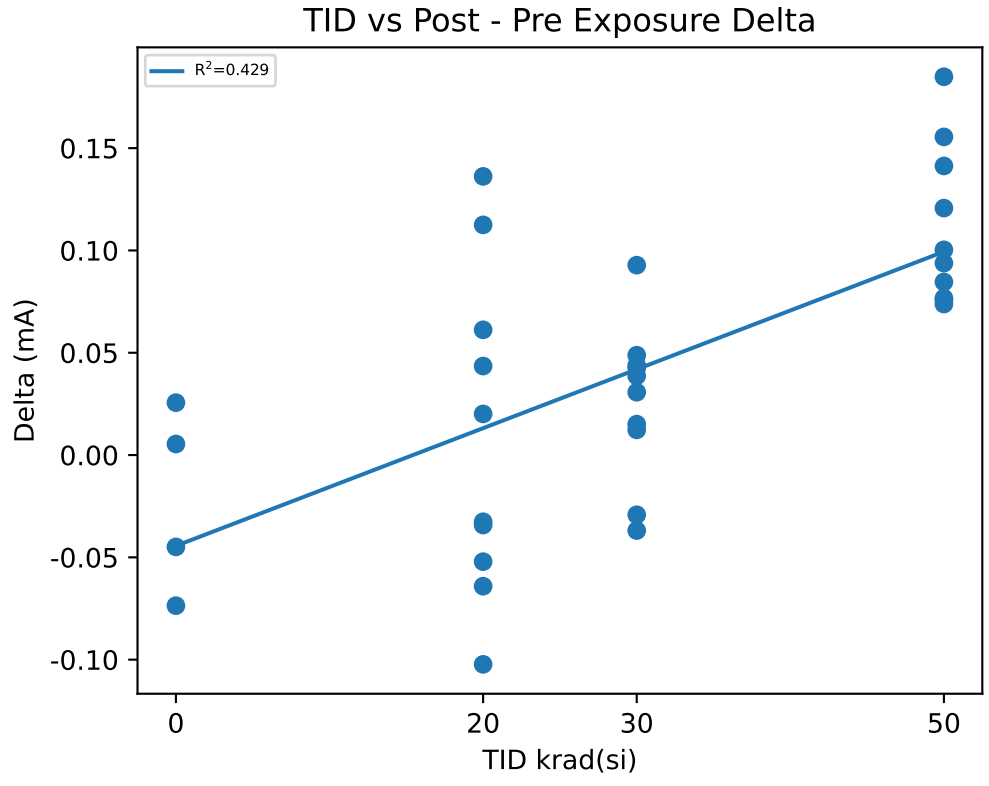
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	20	HDR BIAS	3.7148	3.7596	0.0448
2	20	HDR BIAS	3.7725	3.7886	0.0161
3	20	HDR BIAS	3.659	3.7012	0.0422
4	20	HDR BIAS	3.8062	3.8838	0.0776
5	20	HDR BIAS	3.7093	3.7596	0.0503
6	20	HDR UNBIAS	3.7553	3.751	-0.0043
7	20	HDR UNBIAS	3.7915	3.8389	0.0474
8	20	HDR UNBIAS	3.7086	3.7439	0.0353
9	20	HDR UNBIAS	3.6931	3.7253	0.0322
10	20	HDR UNBIAS	3.7978	3.8335	0.0357
11	30	HDR BIAS	3.7532	3.8311	0.0779
12	30	HDR BIAS	3.7348	3.8016	0.0668
13	30	HDR BIAS	3.7466	3.811	0.0644
14	30	HDR BIAS	3.7451	3.7852	0.0401
15	30	HDR BIAS	3.8081	3.8563	0.0482
16	30	HDR UNBIAS	3.6457	3.6789	0.0332
17	30	HDR UNBIAS	3.6817	3.7166	0.0349
18	30	HDR UNBIAS	3.7676	3.8249	0.0573
19	30	HDR UNBIAS	3.7025	3.7537	0.0512
20	30	HDR UNBIAS	3.7256	3.7818	0.0562
21	50	HDR BIAS	3.6435	3.7185	0.075
22	50	HDR BIAS	3.719	3.833	0.114
23	50	HDR BIAS	3.8055	3.9461	0.1406
24	50	HDR BIAS	3.8491	3.9774	0.1283
25	50	HDR BIAS	3.6621	3.7716	0.1095
26	50	HDR UNBIAS	3.6625	3.7269	0.0644
27	50	HDR UNBIAS	3.6999	3.8058	0.1059
28	50	HDR UNBIAS	3.7048	3.7972	0.0924
29	50	HDR UNBIAS	3.7182	3.7932	0.075
30	50	HDR UNBIAS	3.5984	3.6777	0.0793
41	0	CORRELATION	3.7178	3.6724	-0.0454
42	0	CORRELATION	3.8594	3.8225	-0.0369
43	0	CORRELATION	3.7385	3.6941	-0.0444
45	0	CORRELATION	3.8683	3.8328	-0.0355

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	3.7178	3.796	3.8683	0.078885	3.6724	3.7555	3.8328	0.083944	-0.0454	-0.04055	-0.0355	0.0050718
20	3.659	3.7408	3.8062	0.050534	3.7012	3.7785	3.8838	0.057093	-0.0043	0.03773	0.0776	0.021567
30	3.6457	3.7311	3.8081	0.045682	3.6789	3.7841	3.8563	0.054437	0.0332	0.05302	0.0779	0.014459
50	3.5984	3.7063	3.8491	0.074563	3.6777	3.8047	3.9774	0.095171	0.0644	0.09844	0.1406	0.025275

Device Test: 12.11 IOP|PWM/VIN/12/10///0.5MHz/@I_OP_LS_PWM_500KHZ





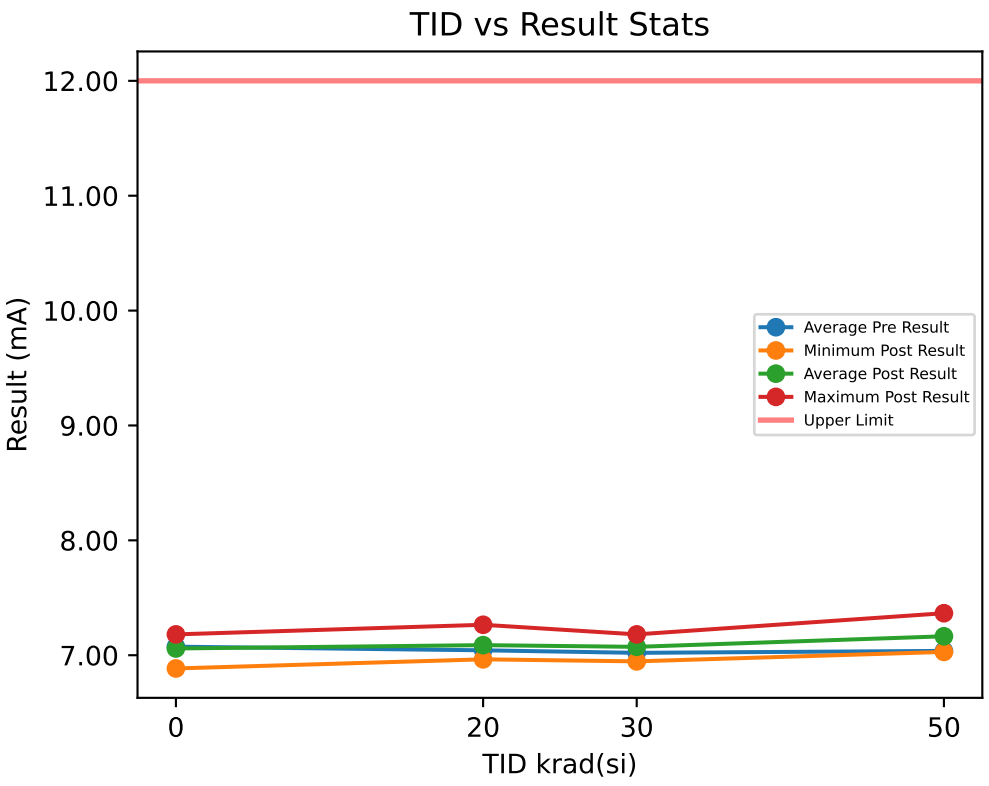
Test Results (Upper Limit = 12.0 (mA))

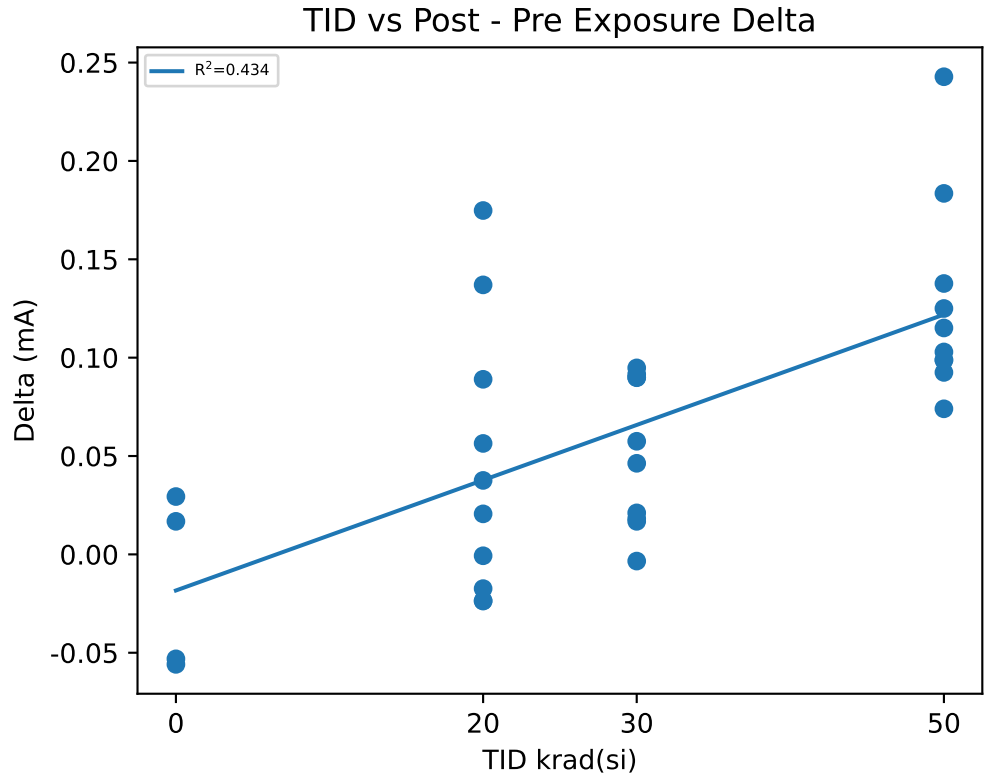
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	20	HDR BIAS	8.8798	8.8277	-0.0521
2	20	HDR BIAS	8.9347	8.9021	-0.0326
3	20	HDR BIAS	8.9553	8.9211	-0.0342
4	20	HDR BIAS	8.9689	8.8666	-0.1023
5	20	HDR BIAS	8.8659	8.8018	-0.0641
6	20	HDR UNBIAS	8.9505	9.0117	0.0612
7	20	HDR UNBIAS	8.9781	9.0216	0.0435
8	20	HDR UNBIAS	8.9286	8.9487	0.0201
9	20	HDR UNBIAS	8.8117	8.9479	0.1362
10	20	HDR UNBIAS	8.9454	9.0579	0.1125
11	30	HDR BIAS	8.9831	9.0138	0.0307
12	30	HDR BIAS	9.0075	8.9783	-0.0292
13	30	HDR BIAS	8.9277	8.9715	0.0438
14	30	HDR BIAS	8.8295	8.8682	0.0387
15	30	HDR BIAS	8.8347	8.7978	-0.0369
16	30	HDR UNBIAS	8.8571	8.8722	0.0151
17	30	HDR UNBIAS	8.8763	8.9691	0.0928
18	30	HDR UNBIAS	8.9873	9.0298	0.0425
19	30	HDR UNBIAS	8.7672	8.816	0.0488
20	30	HDR UNBIAS	8.9954	9.0077	0.0123
21	50	HDR BIAS	8.9732	9.047	0.0738
22	50	HDR BIAS	8.6796	8.7734	0.0938
23	50	HDR BIAS	9.0042	9.1045	0.1003
24	50	HDR BIAS	8.8835	8.9602	0.0767
25	50	HDR BIAS	8.7602	8.8361	0.0759
26	50	HDR UNBIAS	8.8989	8.9835	0.0846
27	50	HDR UNBIAS	8.915	9.0999	0.1849
28	50	HDR UNBIAS	8.8434	8.9847	0.1413
29	50	HDR UNBIAS	8.8796	9.0351	0.1555
30	50	HDR UNBIAS	9.0711	9.1918	0.1207
41	0	CORRELATION	9.0784	9.0048	-0.0736
42	0	CORRELATION	8.7417	8.7673	0.0256
43	0	CORRELATION	8.9124	8.9178	0.0054
45	0	CORRELATION	8.911	8.8661	-0.0449

Test Statistics (mA)

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	8.7417	8.9109	9.0784	0.13746	8.7673	8.889	9.0048	0.099288	-0.0736	-0.021875	0.0256	0.045473
20	8.8117	8.9219	8.9781	0.052825	8.8018	8.9307	9.0579	0.084239	-0.1023	0.00882	0.1362	0.078875
30	8.7672	8.9066	9.0075	0.084847	8.7978	8.9324	9.0298	0.08575	-0.0369	0.02586	0.0928	0.0381
50	8.6796	8.8909	9.0711	0.11397	8.7734	9.0016	9.1918	0.12535	0.0738	0.11075	0.1849	0.038518

Device Test: 12.12 IOP|PWM/BOOT/12/10///0.5MHz/@I_OP_HS_PWM_500KHZ





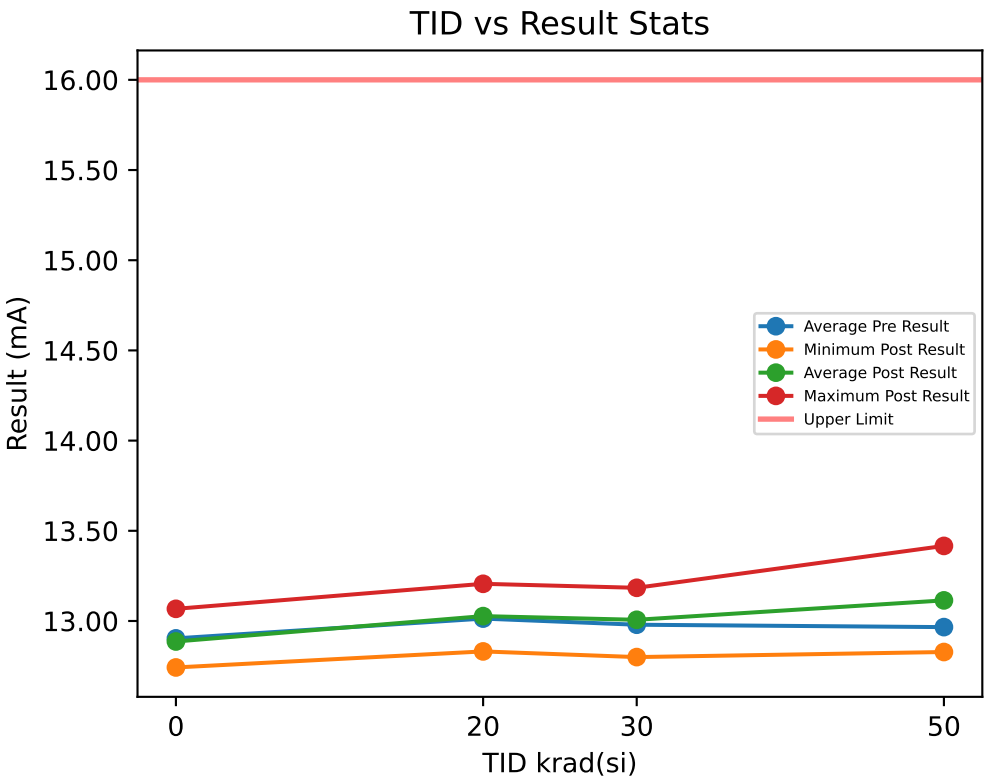
Test Results (Upper Limit = 12.0 (mA))

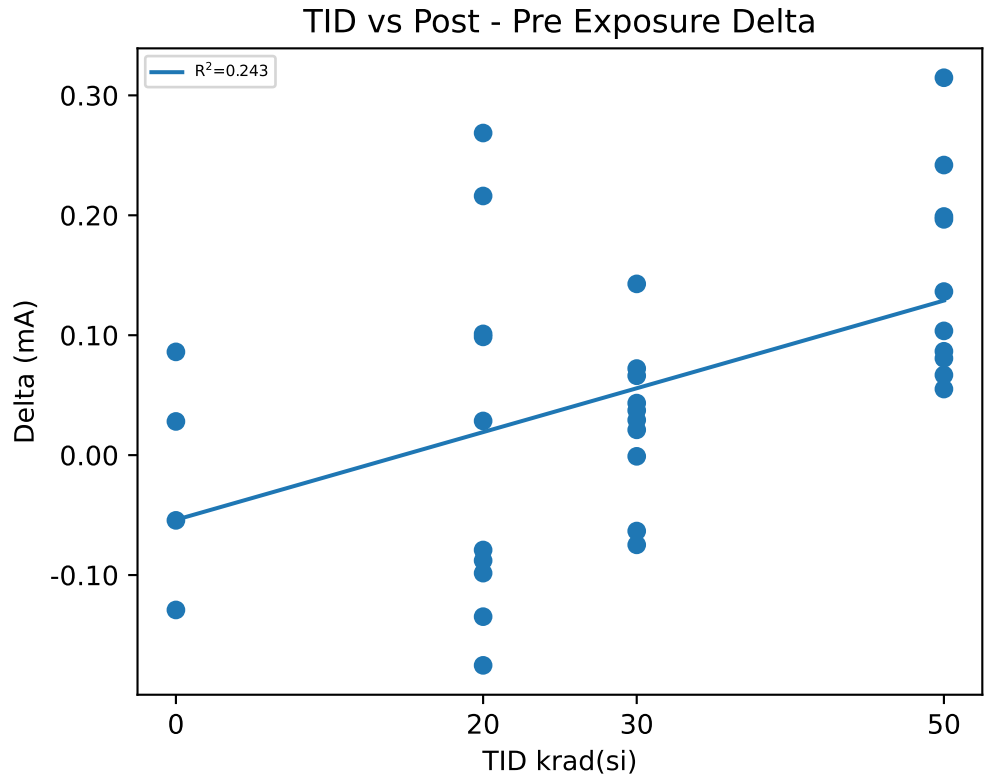
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	20	HDR BIAS	7.0859	7.0622	-0.0237
2	20	HDR BIAS	7.0576	7.034	-0.0236
3	20	HDR BIAS	6.9817	6.9643	-0.0174
4	20	HDR BIAS	7.1208	7.1414	0.0206
5	20	HDR BIAS	6.9667	6.966	-0.0007
6	20	HDR UNBIAS	7.0387	7.0763	0.0376
7	20	HDR UNBIAS	7.176	7.265	0.089
8	20	HDR UNBIAS	7.0046	7.061	0.0564
9	20	HDR UNBIAS	6.9672	7.142	0.1748
10	20	HDR UNBIAS	7.0288	7.1658	0.137
11	30	HDR BIAS	6.9918	7.0381	0.0463
12	30	HDR BIAS	7.0589	7.0757	0.0168
13	30	HDR BIAS	6.9962	7.0173	0.0211
14	30	HDR BIAS	7.107	7.1036	-0.0034
15	30	HDR BIAS	7.0652	7.0834	0.0182
16	30	HDR UNBIAS	7.0051	7.0949	0.0898
17	30	HDR UNBIAS	6.889	6.9465	0.0575
18	30	HDR UNBIAS	7.0281	7.1197	0.0916
19	30	HDR UNBIAS	7.0866	7.1814	0.0948
20	30	HDR UNBIAS	6.9784	7.0684	0.09
21	50	HDR BIAS	6.9951	7.0691	0.074
22	50	HDR BIAS	7.0174	7.1163	0.0989
23	50	HDR BIAS	7.1065	7.2442	0.1377
24	50	HDR BIAS	7.2505	7.3656	0.1151
25	50	HDR BIAS	7.0268	7.1255	0.0987
26	50	HDR UNBIAS	6.9992	7.0917	0.0925
27	50	HDR UNBIAS	6.992	7.2348	0.2428
28	50	HDR UNBIAS	6.9833	7.1668	0.1835
29	50	HDR UNBIAS	7.0796	7.2046	0.125
30	50	HDR UNBIAS	6.9259	7.0288	0.1029
41	0	CORRELATION	6.9407	6.8848	-0.0559
42	0	CORRELATION	7.1519	7.1813	0.0294
43	0	CORRELATION	7.0482	7.065	0.0168
45	0	CORRELATION	7.1572	7.1041	-0.0531

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	6.9407	7.0745	7.1572	0.10235	6.8848	7.0588	7.1813	0.12566	-0.0559	-0.0157	0.0294	0.045111
20	6.9667	7.0428	7.176	0.068972	6.9643	7.0878	7.265	0.092965	-0.0237	0.045	0.1748	0.069471
30	6.889	7.0206	7.107	0.063331	6.9465	7.0729	7.1814	0.063076	-0.0034	0.05227	0.0948	0.037624
50	6.9259	7.0376	7.2505	0.090153	7.0288	7.1647	7.3656	0.1	0.074	0.12711	0.2428	0.050588

Device Test: 12.13 IOP|PWM/VIN/12/10///1MHz/@I_OP_LS_PWM_1MHZ





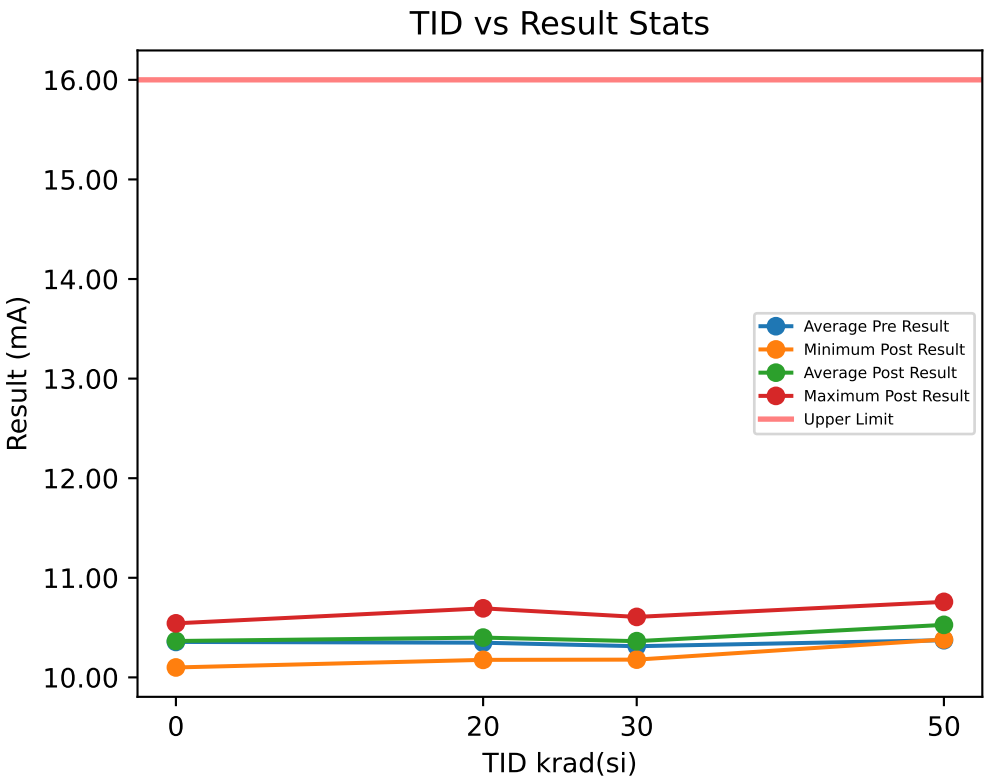
Test Results (Upper Limit = 16.0 (mA))

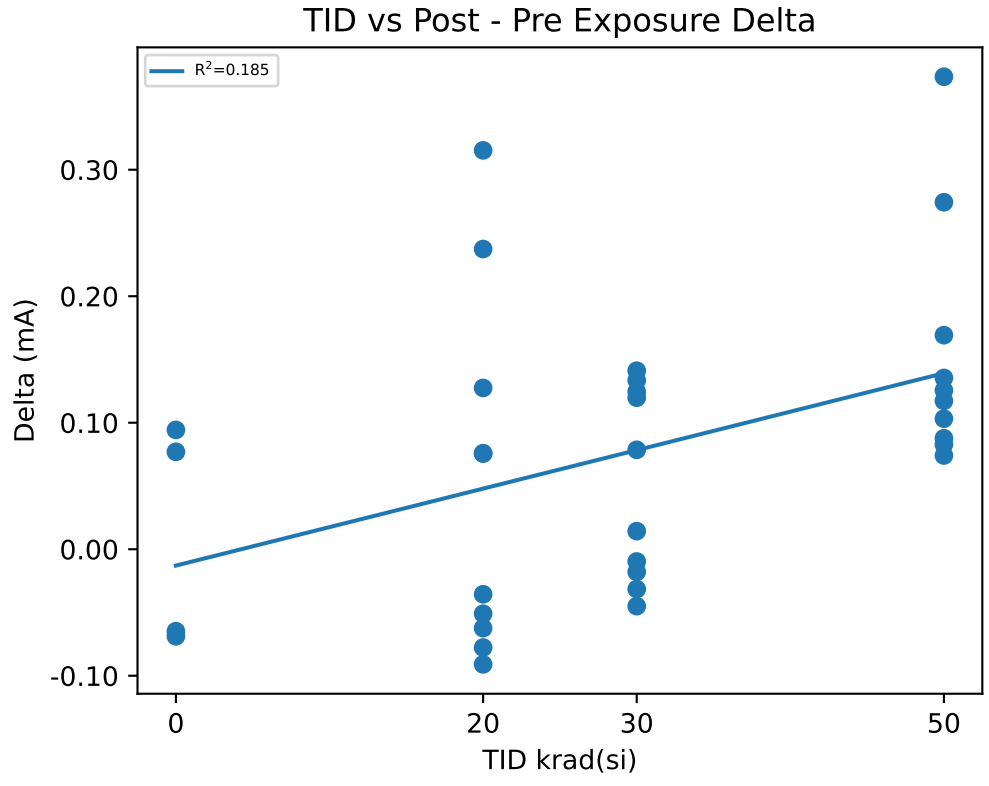
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	20	HDR BIAS	12.954	12.856	-0.0984
2	20	HDR BIAS	13.03	12.951	-0.0791
3	20	HDR BIAS	13.059	12.971	-0.0879
4	20	HDR BIAS	13.131	12.956	-0.1753
5	20	HDR BIAS	12.966	12.831	-0.1347
6	20	HDR UNBIAS	13.105	13.206	0.1011
7	20	HDR UNBIAS	13.099	13.198	0.0986
8	20	HDR UNBIAS	12.969	12.998	0.0285
9	20	HDR UNBIAS	12.833	13.101	0.2686
10	20	HDR UNBIAS	12.987	13.203	0.2161
11	30	HDR BIAS	13.083	13.082	-0.001
12	30	HDR BIAS	13.184	13.12	-0.0633
13	30	HDR BIAS	12.947	12.968	0.0211
14	30	HDR BIAS	12.841	12.871	0.0293
15	30	HDR BIAS	12.931	12.856	-0.0748
16	30	HDR UNBIAS	12.906	12.943	0.0373
17	30	HDR UNBIAS	12.948	13.091	0.1428
18	30	HDR UNBIAS	13.118	13.184	0.0662
19	30	HDR UNBIAS	12.728	12.8	0.0722
20	30	HDR UNBIAS	13.107	13.151	0.0434
21	50	HDR BIAS	13.113	13.193	0.0807
22	50	HDR BIAS	12.741	12.828	0.0866
23	50	HDR BIAS	13.026	13.13	0.1036
24	50	HDR BIAS	12.919	12.986	0.0668
25	50	HDR BIAS	12.799	12.854	0.0551
26	50	HDR UNBIAS	13.04	13.176	0.1364
27	50	HDR UNBIAS	12.952	13.266	0.3147
28	50	HDR UNBIAS	12.872	13.114	0.2419
29	50	HDR UNBIAS	12.979	13.178	0.199
30	50	HDR UNBIAS	13.22	13.416	0.1966
41	0	CORRELATION	13.197	13.067	-0.1291
42	0	CORRELATION	12.656	12.742	0.0861
43	0	CORRELATION	12.855	12.883	0.0281
45	0	CORRELATION	12.907	12.853	-0.0544

Test Statistics (mA)

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	12.656	12.904	13.197	0.22311	12.742	12.886	13.067	0.13497	-0.1291	-0.017325	0.0861	0.094213
20	12.833	13.013	13.131	0.090056	12.831	13.027	13.206	0.14155	-0.1753	0.01375	0.2686	0.15284
30	12.728	12.979	13.184	0.14146	12.8	13.007	13.184	0.13633	-0.0748	0.02732	0.1428	0.063862
50	12.741	12.966	13.22	0.14319	12.828	13.114	13.416	0.18094	0.0551	0.14814	0.3147	0.086409

Device Test: 12.14 IOP|PWM/BOOT/12/10///1MHz/@I_OP_HS_PWM_1MHZ





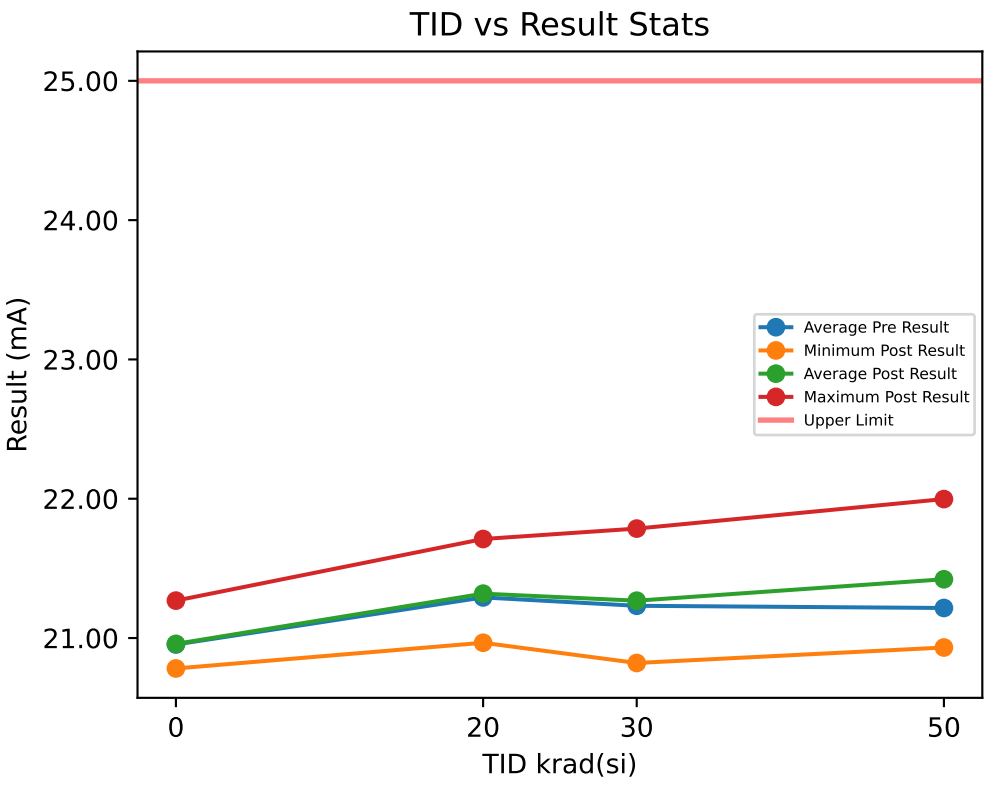
Test Results (Upper Limit = 16.0 (mA))

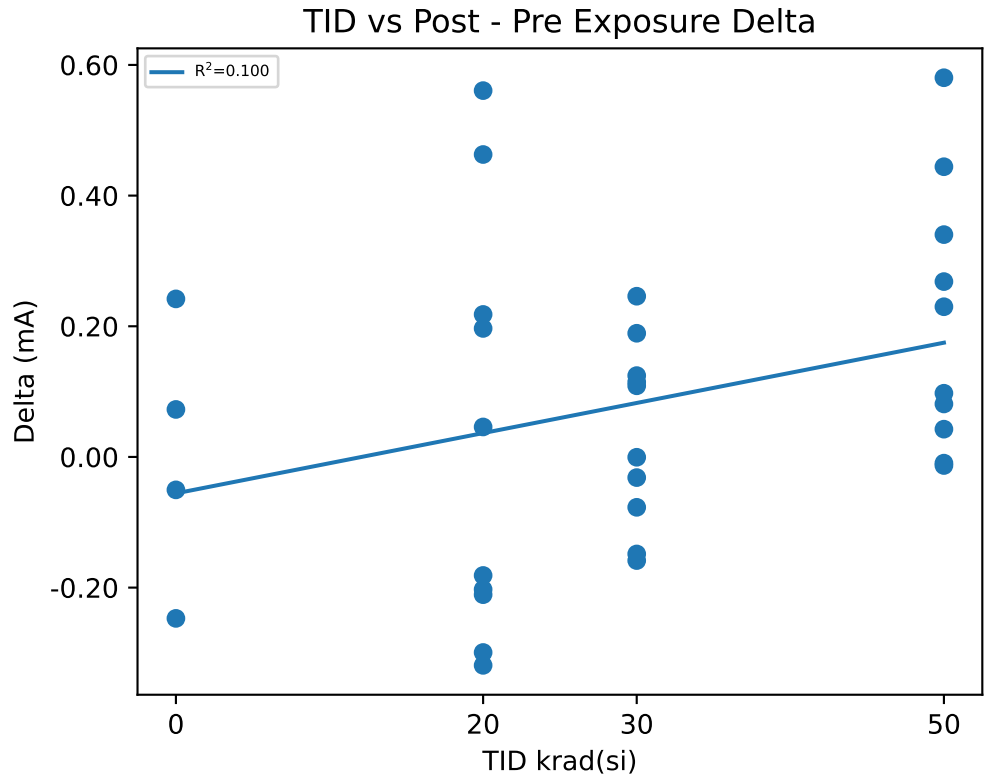
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	20	HDR BIAS	10.462	10.371	-0.091
2	20	HDR BIAS	10.345	10.283	-0.0624
3	20	HDR BIAS	10.309	10.232	-0.0777
4	20	HDR BIAS	10.439	10.404	-0.0356
5	20	HDR BIAS	10.227	10.176	-0.051
6	20	HDR UNBIAS	10.324	10.4	0.0756
7	20	HDR UNBIAS	10.566	10.693	0.1275
8	20	HDR UNBIAS	10.303	10.379	0.0759
9	20	HDR UNBIAS	10.246	10.561	0.3153
10	20	HDR UNBIAS	10.261	10.498	0.2373
11	30	HDR BIAS	10.233	10.248	0.0143
12	30	HDR BIAS	10.386	10.354	-0.0315
13	30	HDR BIAS	10.246	10.228	-0.0179
14	30	HDR BIAS	10.472	10.427	-0.045
15	30	HDR BIAS	10.324	10.315	-0.0097
16	30	HDR UNBIAS	10.371	10.512	0.1411
17	30	HDR UNBIAS	10.1	10.178	0.0786
18	30	HDR UNBIAS	10.289	10.414	0.1245
19	30	HDR UNBIAS	10.474	10.607	0.1335
20	30	HDR UNBIAS	10.235	10.355	0.1198
21	50	HDR BIAS	10.351	10.425	0.0741
22	50	HDR BIAS	10.322	10.404	0.0828
23	50	HDR BIAS	10.412	10.547	0.1354
24	50	HDR BIAS	10.655	10.758	0.1032
25	50	HDR BIAS	10.396	10.484	0.0877
26	50	HDR UNBIAS	10.34	10.457	0.1173
27	50	HDR UNBIAS	10.29	10.664	0.3735
28	50	HDR UNBIAS	10.263	10.537	0.2743
29	50	HDR UNBIAS	10.447	10.617	0.1692
30	50	HDR UNBIAS	10.255	10.38	0.1256
41	0	CORRELATION	10.165	10.1	-0.0648
42	0	CORRELATION	10.448	10.543	0.0943
43	0	CORRELATION	10.363	10.44	0.077
45	0	CORRELATION	10.448	10.379	-0.0688

Test Statistics (mA)

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	10.165	10.356	10.448	0.1338	10.1	10.365	10.543	0.18957	-0.0688	0.009425	0.0943	0.088315
20	10.227	10.348	10.566	0.10827	10.176	10.4	10.693	0.1547	-0.091	0.05139	0.3153	0.14108
30	10.1	10.313	10.474	0.11683	10.178	10.364	10.607	0.13195	-0.045	0.05077	0.1411	0.075735
50	10.255	10.373	10.655	0.11749	10.38	10.527	10.758	0.12223	0.0741	0.15431	0.3735	0.096501

Device Test: 12.15 IOP|PWM/VIN/12/10///2MHz/@I_OP_LS_PWM_2MHZ





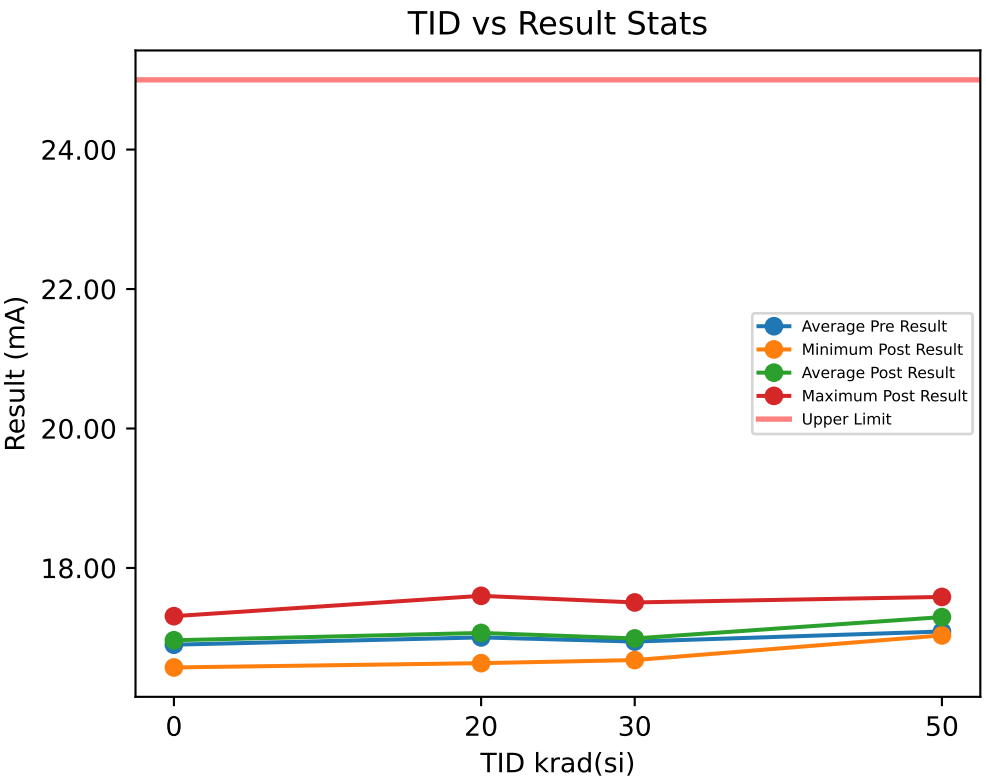
Test Results (Upper Limit = 25.0 (mA))

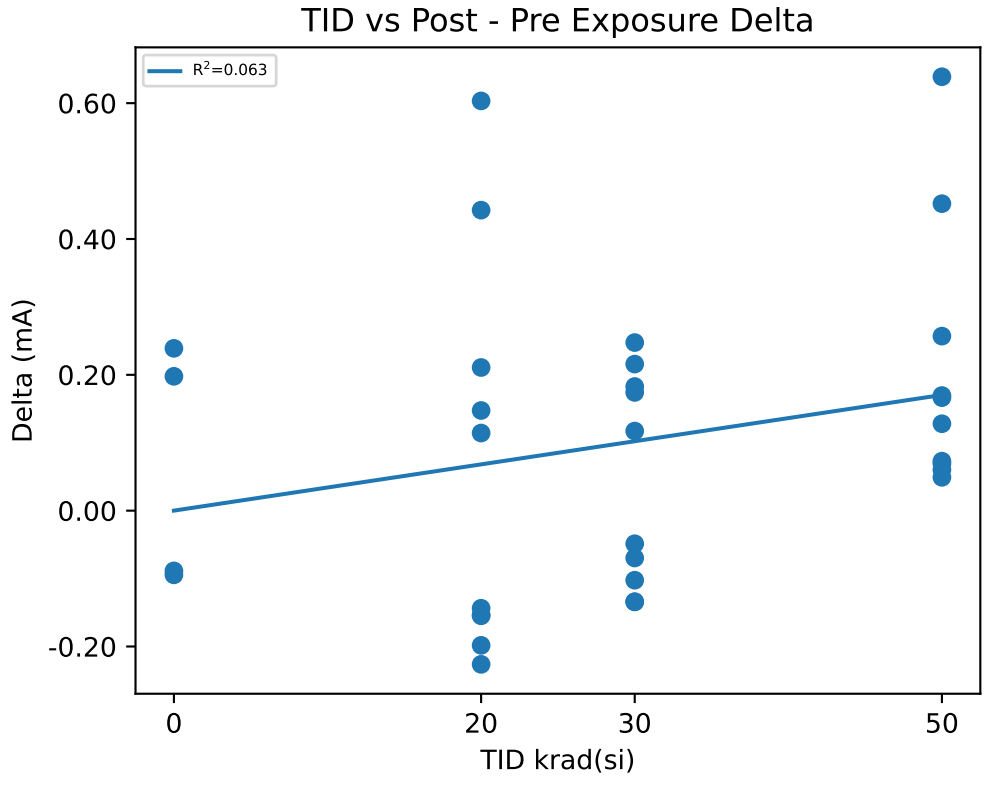
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	20	HDR BIAS	21.179	20.976	-0.2028
2	20	HDR BIAS	21.305	21.124	-0.1814
3	20	HDR BIAS	21.348	21.137	-0.2108
4	20	HDR BIAS	21.678	21.36	-0.319
5	20	HDR BIAS	21.265	20.966	-0.2993
6	20	HDR UNBIAS	21.514	21.711	0.1967
7	20	HDR UNBIAS	21.413	21.631	0.2181
8	20	HDR UNBIAS	21.122	21.168	0.0459
9	20	HDR UNBIAS	20.944	21.505	0.5607
10	20	HDR UNBIAS	21.147	21.61	0.4629
11	30	HDR BIAS	21.351	21.274	-0.0771
12	30	HDR BIAS	21.643	21.495	-0.1485
13	30	HDR BIAS	21.042	21.01	-0.0316
14	30	HDR BIAS	20.931	20.93	-0.0005
15	30	HDR BIAS	21.207	21.048	-0.1586
16	30	HDR UNBIAS	21.099	21.223	0.1245
17	30	HDR UNBIAS	21.199	21.445	0.246
18	30	HDR UNBIAS	21.54	21.649	0.1089
19	30	HDR UNBIAS	20.706	20.821	0.1147
20	30	HDR UNBIAS	21.596	21.786	0.1893
21	50	HDR BIAS	21.489	21.57	0.0811
22	50	HDR BIAS	21.093	21.079	-0.0131
23	50	HDR BIAS	21.122	21.22	0.0975
24	50	HDR BIAS	21.054	21.096	0.0425
25	50	HDR BIAS	20.942	20.932	-0.0095
26	50	HDR UNBIAS	21.465	21.695	0.2299
27	50	HDR UNBIAS	21.079	21.659	0.5804
28	50	HDR UNBIAS	21.008	21.452	0.4442
29	50	HDR UNBIAS	21.25	21.518	0.2684
30	50	HDR UNBIAS	21.657	21.997	0.3403
41	0	CORRELATION	21.516	21.269	-0.2471
42	0	CORRELATION	20.54	20.782	0.2419
43	0	CORRELATION	20.791	20.863	0.0727
45	0	CORRELATION	20.969	20.918	-0.0504

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	20.54	20.954	21.516	0.41393	20.782	20.958	21.269	0.21454	-0.2471	0.004275	0.2419	0.20601
20	20.944	21.292	21.678	0.21112	20.966	21.319	21.711	0.28037	-0.319	0.0271	0.5607	0.31963
30	20.706	21.231	21.643	0.30435	20.821	21.268	21.786	0.32083	-0.1586	0.03671	0.246	0.14045
50	20.942	21.216	21.657	0.24039	20.932	21.422	21.997	0.33309	-0.0131	0.20617	0.5804	0.2022

Device Test: 12.16 IOP|PWM/BOOT/12/10///2MHz/@I_OP_HS_PWM_2MHZ





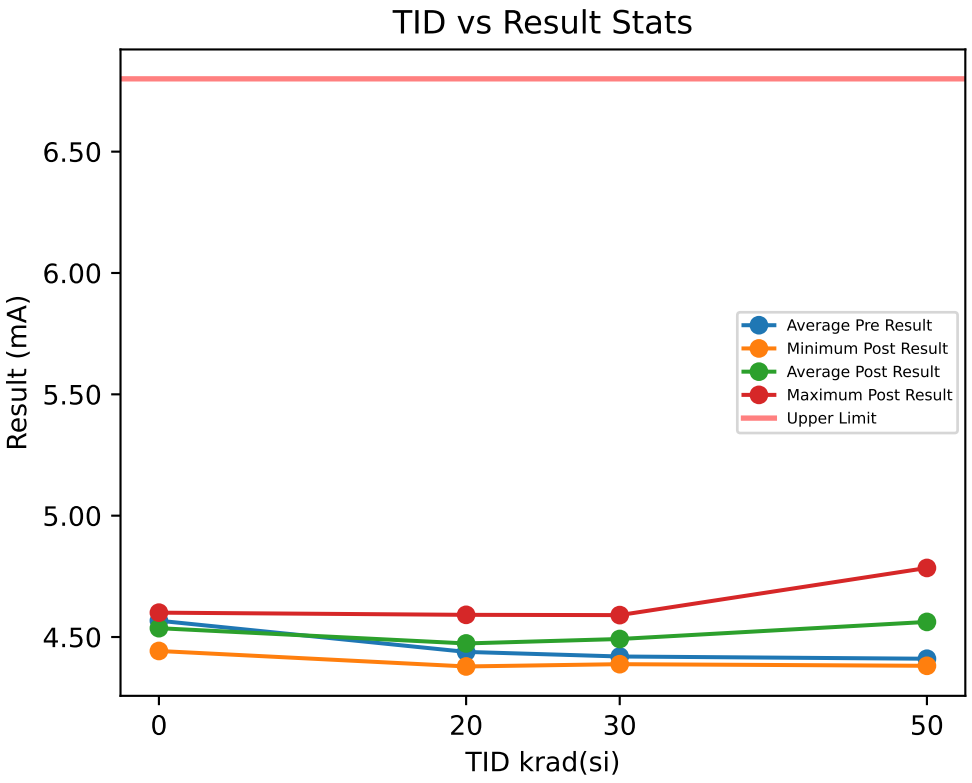
Test Results (Upper Limit = 25.0 (mA))

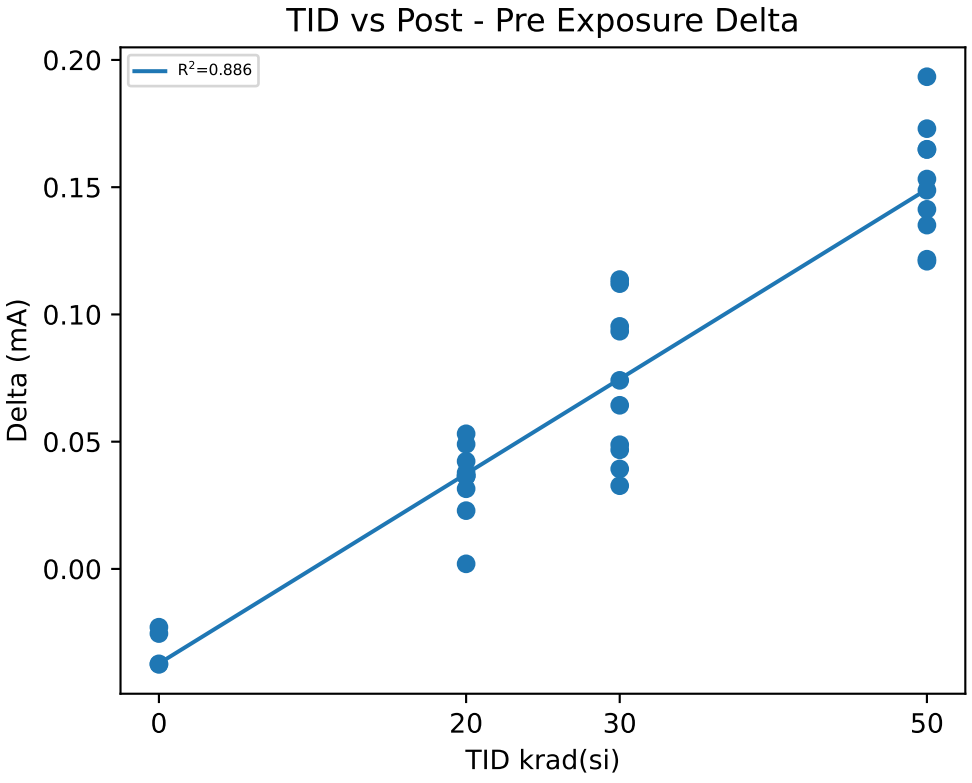
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	20	HDR BIAS	17.255	17.029	-0.2263
2	20	HDR BIAS	16.964	16.82	-0.1437
3	20	HDR BIAS	17.001	16.803	-0.1983
4	20	HDR BIAS	17.128	16.974	-0.1535
5	20	HDR BIAS	16.79	16.635	-0.1548
6	20	HDR UNBIAS	16.942	17.09	0.1475
7	20	HDR UNBIAS	17.39	17.6	0.2108
8	20	HDR UNBIAS	16.949	17.063	0.1143
9	20	HDR UNBIAS	16.844	17.447	0.6033
10	20	HDR UNBIAS	16.779	17.222	0.4425
11	30	HDR BIAS	16.753	16.705	-0.0487
12	30	HDR BIAS	17.1	16.966	-0.1343
13	30	HDR BIAS	16.793	16.69	-0.1024
14	30	HDR BIAS	17.253	17.119	-0.1341
15	30	HDR BIAS	16.884	16.814	-0.0697
16	30	HDR UNBIAS	17.151	17.398	0.2475
17	30	HDR UNBIAS	16.562	16.679	0.1172
18	30	HDR UNBIAS	16.862	17.045	0.1828
19	30	HDR UNBIAS	17.29	17.506	0.2158
20	30	HDR UNBIAS	16.798	16.972	0.1741
21	50	HDR BIAS	17.099	17.172	0.0729
22	50	HDR BIAS	16.984	17.033	0.0491
23	50	HDR BIAS	17.058	17.186	0.128
24	50	HDR BIAS	17.515	17.584	0.0693
25	50	HDR BIAS	17.171	17.231	0.0602
26	50	HDR UNBIAS	17.072	17.238	0.1664
27	50	HDR UNBIAS	16.925	17.564	0.6389
28	50	HDR UNBIAS	16.876	17.328	0.452
29	50	HDR UNBIAS	17.224	17.481	0.257
30	50	HDR UNBIAS	16.966	17.135	0.1695
41	0	CORRELATION	16.662	16.573	-0.0887
42	0	CORRELATION	17.07	17.309	0.239
43	0	CORRELATION	16.795	16.993	0.1978
45	0	CORRELATION	17.072	16.977	-0.0945

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	16.662	16.9	17.072	0.20483	16.573	16.963	17.309	0.30142	-0.0945	0.0634	0.239	0.17978
20	16.779	17.004	17.39	0.1993	16.635	17.068	17.6	0.29448	-0.2263	0.06418	0.6033	0.28993
30	16.562	16.945	17.29	0.24015	16.679	16.989	17.506	0.28902	-0.1343	0.04482	0.2475	0.15597
50	16.876	17.089	17.515	0.18451	17.033	17.295	17.584	0.18871	0.0491	0.20633	0.6389	0.19487

Device Test: 12.17 IQ|PWM/VIN/14/14///0MHz/@IQ_LS_PWM





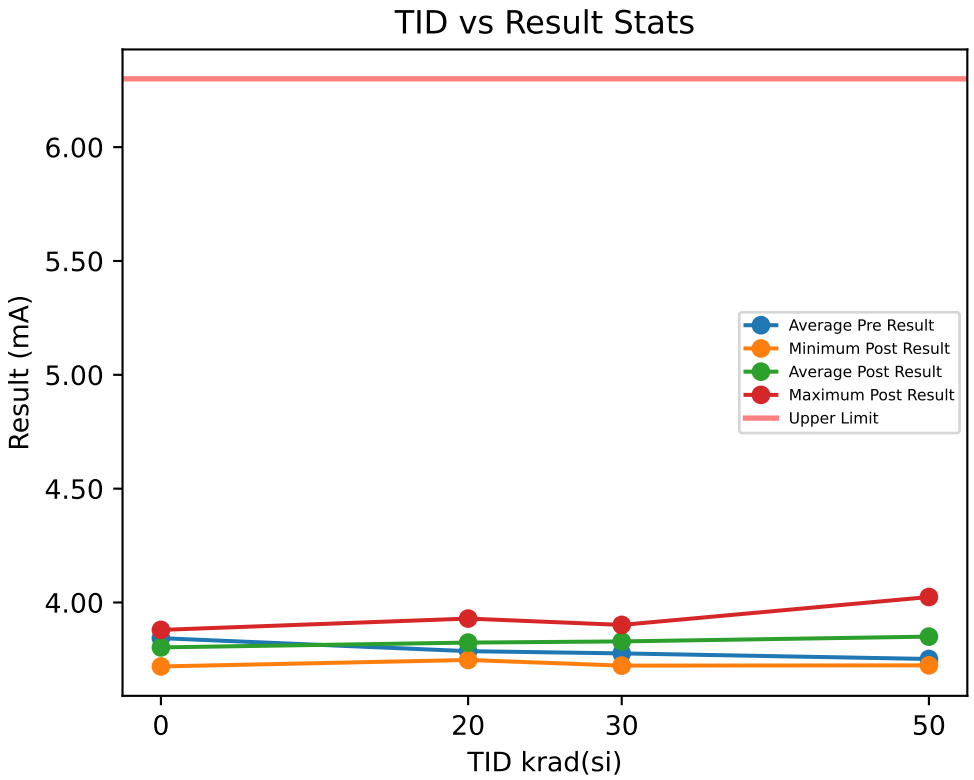
Test Results (Upper Limit = 6.8 (mA))

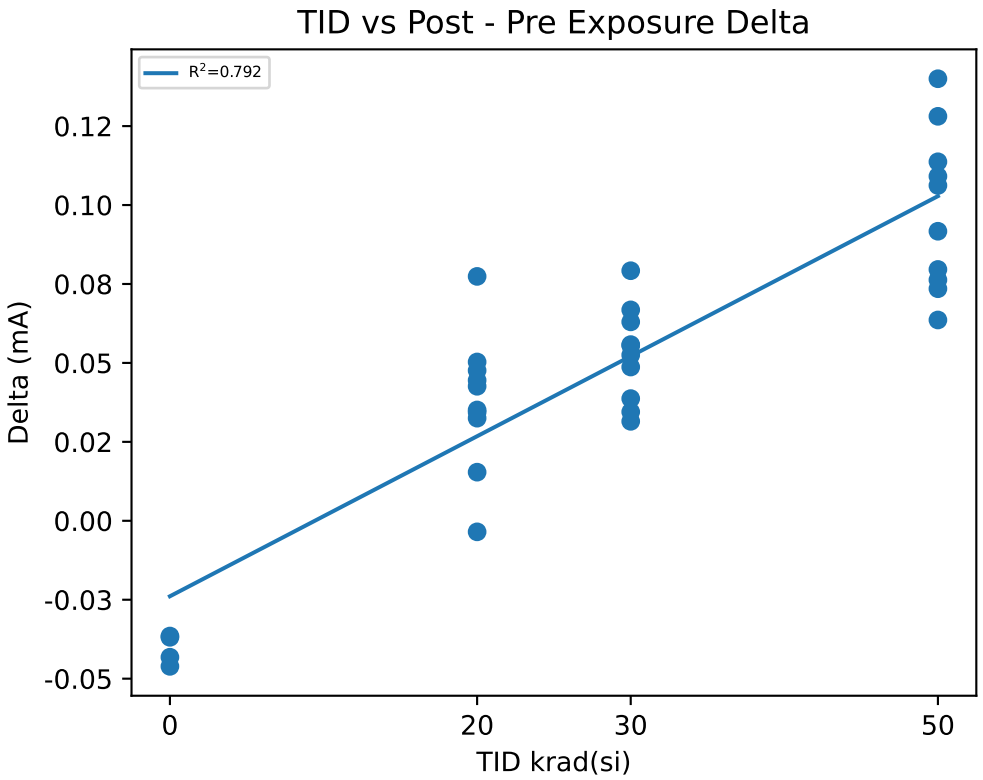
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	20	HDR BIAS	4.3802	4.4117	0.0315
2	20	HDR BIAS	4.4398	4.4821	0.0423
3	20	HDR BIAS	4.487	4.5401	0.0531
4	20	HDR BIAS	4.3767	4.3787	0.002
5	20	HDR BIAS	4.4007	4.4371	0.0364
6	20	HDR UNBIAS	4.4072	4.4562	0.049
7	20	HDR UNBIAS	4.4272	4.4501	0.0229
8	20	HDR UNBIAS	4.5043	4.5408	0.0365
9	20	HDR UNBIAS	4.4103	4.447	0.0367
10	20	HDR UNBIAS	4.5536	4.5914	0.0378
11	30	HDR BIAS	4.4238	4.5359	0.1121
12	30	HDR BIAS	4.4794	4.5262	0.0468
13	30	HDR BIAS	4.4766	4.5903	0.1137
14	30	HDR BIAS	4.43	4.5234	0.0934
15	30	HDR BIAS	4.3393	4.3881	0.0488
16	30	HDR UNBIAS	4.3926	4.4253	0.0327
17	30	HDR UNBIAS	4.3331	4.4284	0.0953
18	30	HDR UNBIAS	4.4445	4.5088	0.0643
19	30	HDR UNBIAS	4.4387	4.5128	0.0741
20	30	HDR UNBIAS	4.4397	4.479	0.0393
21	50	HDR BIAS	4.331	4.4798	0.1488
22	50	HDR BIAS	4.2166	4.3814	0.1648
23	50	HDR BIAS	4.6116	4.7846	0.173
24	50	HDR BIAS	4.5216	4.6748	0.1532
25	50	HDR BIAS	4.3932	4.5581	0.1649
26	50	HDR UNBIAS	4.3609	4.4818	0.1209
27	50	HDR UNBIAS	4.5037	4.645	0.1413
28	50	HDR UNBIAS	4.3591	4.4808	0.1217
29	50	HDR UNBIAS	4.4043	4.5977	0.1934
30	50	HDR UNBIAS	4.4032	4.5383	0.1351
41	0	CORRELATION	4.6258	4.6004	-0.0254
42	0	CORRELATION	4.4798	4.4425	-0.0373
43	0	CORRELATION	4.6107	4.5878	-0.0229
45	0	CORRELATION	4.5525	4.515	-0.0375

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	4.4798	4.5672	4.6258	0.066285	4.4425	4.5364	4.6004	0.07306	-0.0375	-0.030775	-0.0229	0.0077181
20	4.3767	4.4387	4.5536	0.058196	4.3787	4.4735	4.5914	0.065506	0.002	0.03482	0.0531	0.014295
30	4.3331	4.4198	4.4794	0.050551	4.3881	4.4918	4.5903	0.06139	0.0327	0.07205	0.1137	0.030182
50	4.2166	4.4105	4.6116	0.111	4.3814	4.5622	4.7846	0.1171	0.1209	0.15171	0.1934	0.023049

Device Test: 12.18 IQ|PWM/BOOT/14/14///0MHz/@IQ_HS_PWM





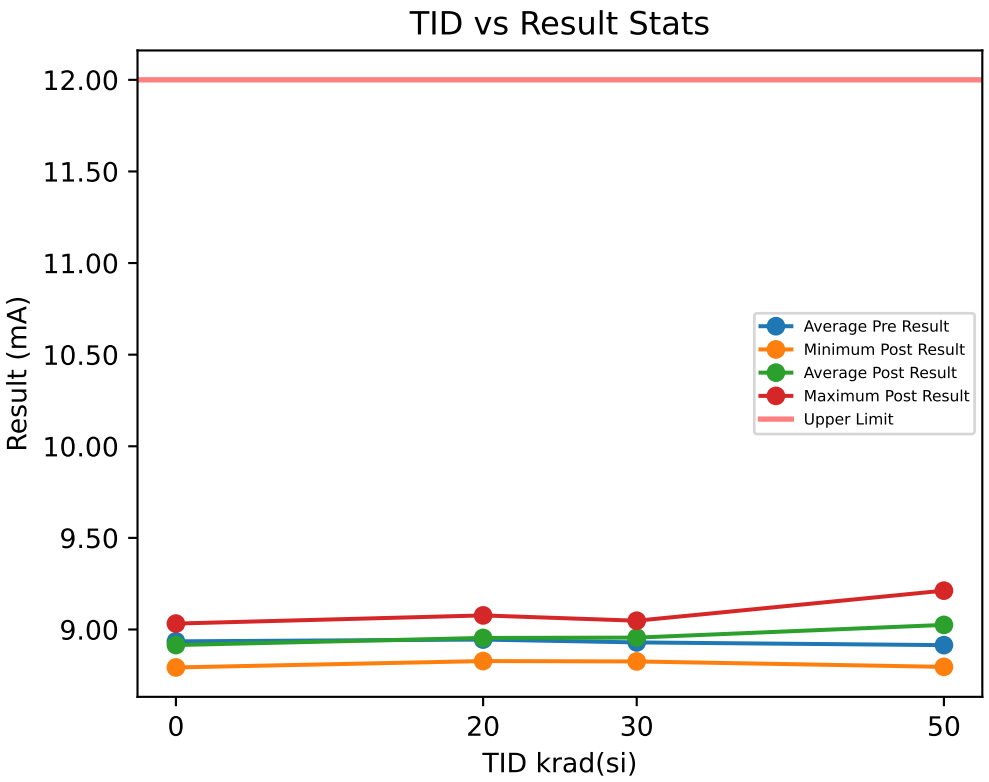
Test Results (Upper Limit = 6.3 (mA))

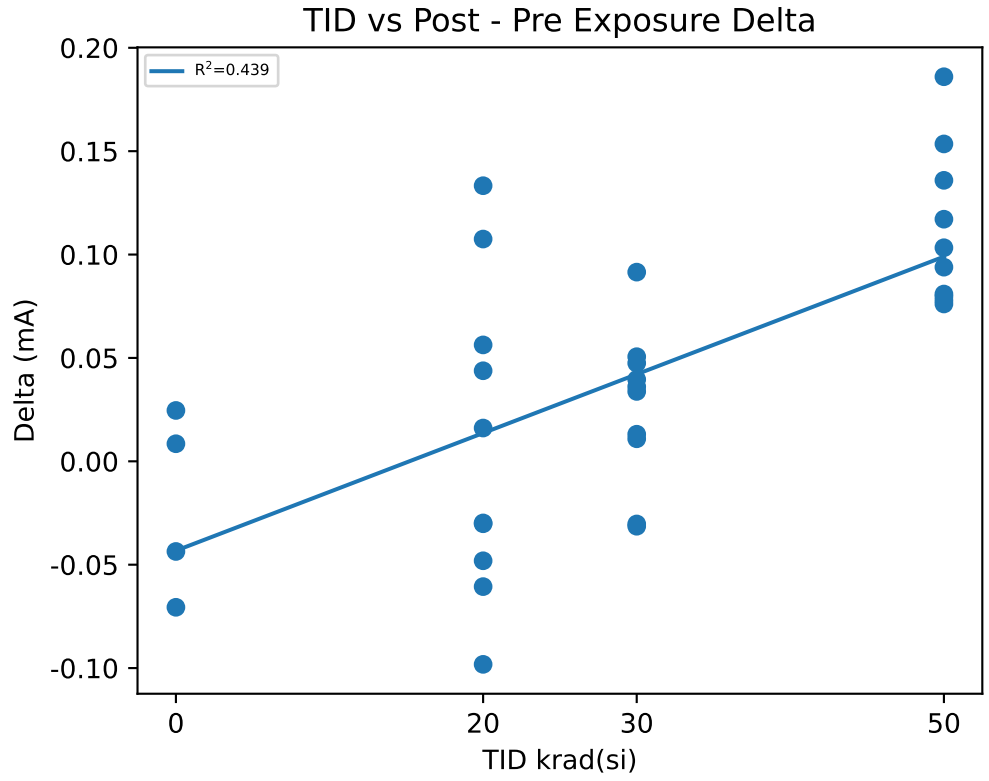
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	20	HDR BIAS	3.76	3.8045	0.0445
2	20	HDR BIAS	3.8179	3.8333	0.0154
3	20	HDR BIAS	3.705	3.7476	0.0426
4	20	HDR BIAS	3.852	3.9294	0.0774
5	20	HDR BIAS	3.7536	3.8039	0.0503
6	20	HDR UNBIAS	3.8014	3.7979	-0.0035
7	20	HDR UNBIAS	3.8353	3.8829	0.0476
8	20	HDR UNBIAS	3.7548	3.7899	0.0351
9	20	HDR UNBIAS	3.738	3.7705	0.0325
10	20	HDR UNBIAS	3.8448	3.8792	0.0344
11	30	HDR BIAS	3.7977	3.8769	0.0792
12	30	HDR BIAS	3.7806	3.8474	0.0668
13	30	HDR BIAS	3.7934	3.8564	0.063
14	30	HDR BIAS	3.7911	3.8298	0.0387
15	30	HDR BIAS	3.8529	3.9016	0.0487
16	30	HDR UNBIAS	3.6913	3.7228	0.0315
17	30	HDR UNBIAS	3.7262	3.7607	0.0345
18	30	HDR UNBIAS	3.814	3.8698	0.0558
19	30	HDR UNBIAS	3.7471	3.7996	0.0525
20	30	HDR UNBIAS	3.7703	3.8258	0.0555
21	50	HDR BIAS	3.6894	3.7629	0.0735
22	50	HDR BIAS	3.764	3.8777	0.1137
23	50	HDR BIAS	3.8519	3.9919	0.14
24	50	HDR BIAS	3.896	4.0241	0.1281
25	50	HDR BIAS	3.7086	3.8177	0.1091
26	50	HDR UNBIAS	3.707	3.7706	0.0636
27	50	HDR UNBIAS	3.7451	3.8513	0.1062
28	50	HDR UNBIAS	3.7498	3.8415	0.0917
29	50	HDR UNBIAS	3.7634	3.8397	0.0763
30	50	HDR UNBIAS	3.6444	3.724	0.0796
41	0	CORRELATION	3.7652	3.7191	-0.0461
42	0	CORRELATION	3.9071	3.8702	-0.0369
43	0	CORRELATION	3.7854	3.7422	-0.0432
45	0	CORRELATION	3.9161	3.8796	-0.0365

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	3.7652	3.8434	3.9161	0.079209	3.7191	3.8028	3.8796	0.083903	-0.0461	-0.040675	-0.0365	0.004743
20	3.705	3.7863	3.852	0.050621	3.7476	3.8239	3.9294	0.056803	-0.0035	0.03763	0.0774	0.021454
30	3.6913	3.7765	3.8529	0.045826	3.7228	3.8291	3.9016	0.054912	0.0315	0.05262	0.0792	0.014971
50	3.6444	3.752	3.896	0.074868	3.724	3.8501	4.0241	0.095571	0.0636	0.09818	0.14	0.025253

Device Test: 12.19 IOP|PWM/VIN/14/14///0.5MHz/@I_OP_LS_PWM_500KHZ





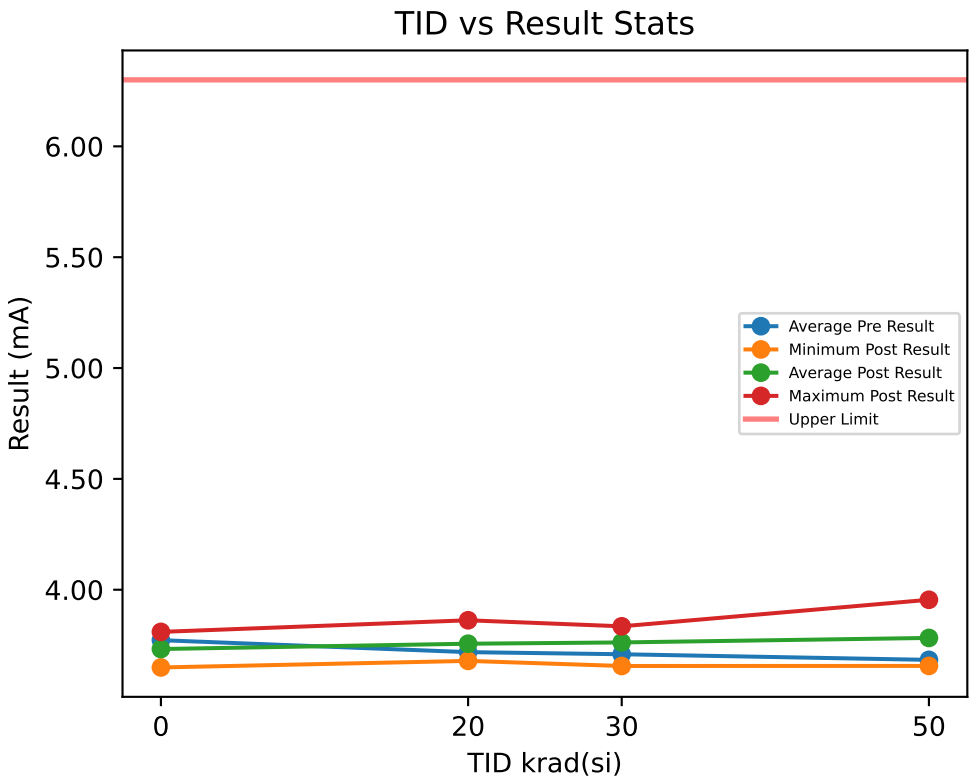
Test Results (Upper Limit = 12.0 (mA))

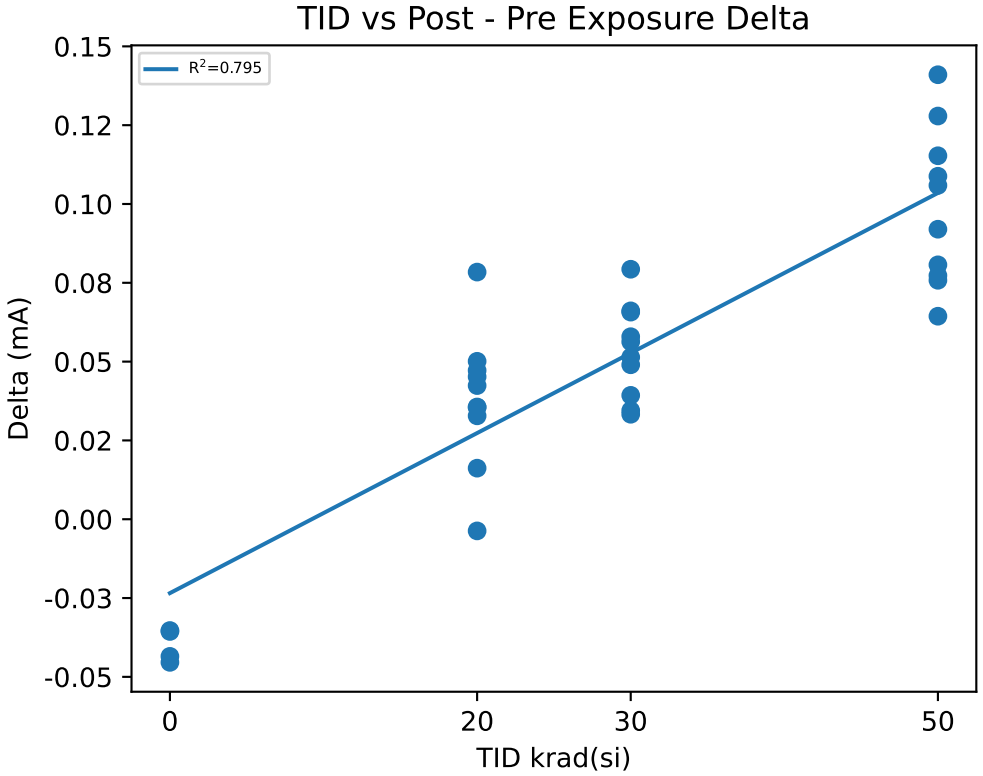
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	20	HDR BIAS	8.9021	8.854	-0.0481
2	20	HDR BIAS	8.9572	8.927	-0.0302
3	20	HDR BIAS	8.9787	8.9489	-0.0298
4	20	HDR BIAS	8.9913	8.8931	-0.0982
5	20	HDR BIAS	8.8883	8.8277	-0.0606
6	20	HDR UNBIAS	8.9753	9.0316	0.0563
7	20	HDR UNBIAS	8.9998	9.0436	0.0438
8	20	HDR UNBIAS	8.9522	8.9683	0.0161
9	20	HDR UNBIAS	8.8352	8.9685	0.1333
10	20	HDR UNBIAS	8.9694	9.0769	0.1075
11	30	HDR BIAS	9.0058	9.0396	0.0338
12	30	HDR BIAS	9.0321	9.0018	-0.0303
13	30	HDR BIAS	8.9503	8.9978	0.0475
14	30	HDR BIAS	8.853	8.8926	0.0396
15	30	HDR BIAS	8.857	8.8256	-0.0314
16	30	HDR UNBIAS	8.8811	8.892	0.0109
17	30	HDR UNBIAS	8.8985	8.99	0.0915
18	30	HDR UNBIAS	9.0118	9.0479	0.0361
19	30	HDR UNBIAS	8.7908	8.8414	0.0506
20	30	HDR UNBIAS	9.0146	9.0277	0.0131
21	50	HDR BIAS	8.9958	9.0736	0.0778
22	50	HDR BIAS	8.7021	8.796	0.0939
23	50	HDR BIAS	9.0283	9.1316	0.1033
24	50	HDR BIAS	8.9086	8.9847	0.0761
25	50	HDR BIAS	8.7841	8.8638	0.0797
26	50	HDR UNBIAS	8.9213	9.0022	0.0809
27	50	HDR UNBIAS	8.9397	9.1257	0.186
28	50	HDR UNBIAS	8.8669	9.0028	0.1359
29	50	HDR UNBIAS	8.905	9.0585	0.1535
30	50	HDR UNBIAS	9.0949	9.212	0.1171
41	0	CORRELATION	9.1029	9.0323	-0.0706
42	0	CORRELATION	8.7682	8.7928	0.0246
43	0	CORRELATION	8.9363	8.9448	0.0085
45	0	CORRELATION	8.934	8.8904	-0.0436

Test Statistics (mA)

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	8.7682	8.9353	9.1029	0.13664	8.7928	8.9151	9.0323	0.10031	-0.0706	-0.020275	0.0246	0.044416
20	8.8352	8.945	8.9998	0.052818	8.8277	8.954	9.0769	0.081639	-0.0982	0.00901	0.1333	0.075491
30	8.7908	8.9295	9.0321	0.084621	8.8256	8.9556	9.0479	0.084214	-0.0314	0.02614	0.0915	0.037363
50	8.7021	8.9147	9.0949	0.11416	8.796	9.0251	9.212	0.12518	0.0761	0.11042	0.186	0.03748

Device Test: 12.2 IQ|PWM/BOOT/10/8///0MHz/@IQ_HS_PWM





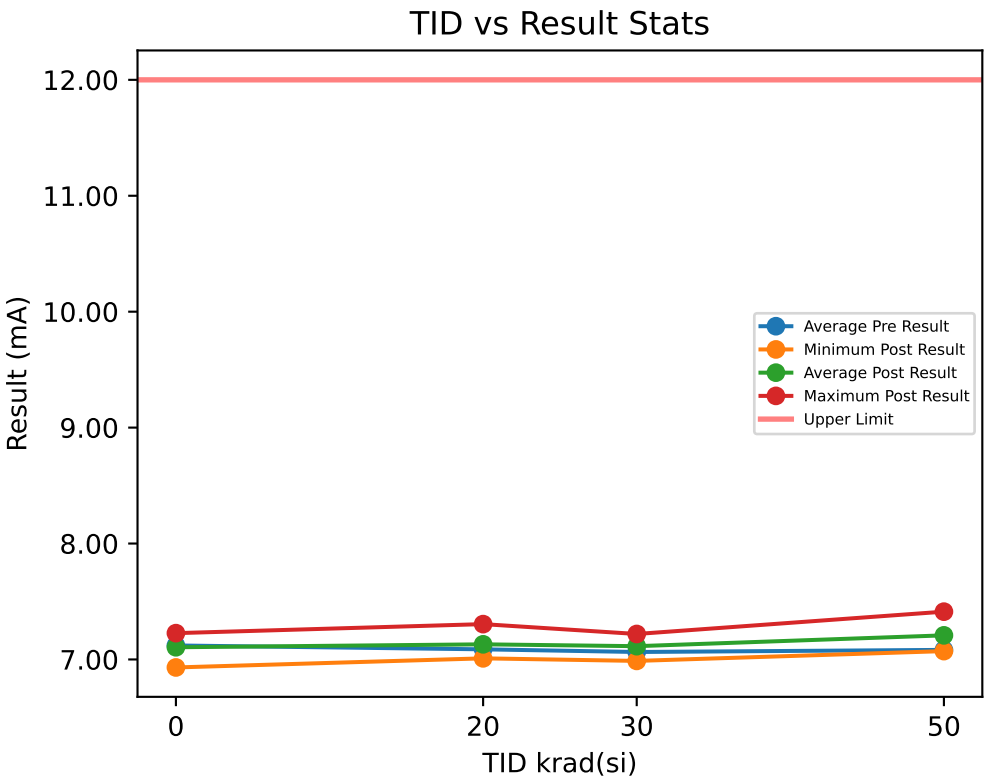
Test Results (Upper Limit = 6.3 (mA))

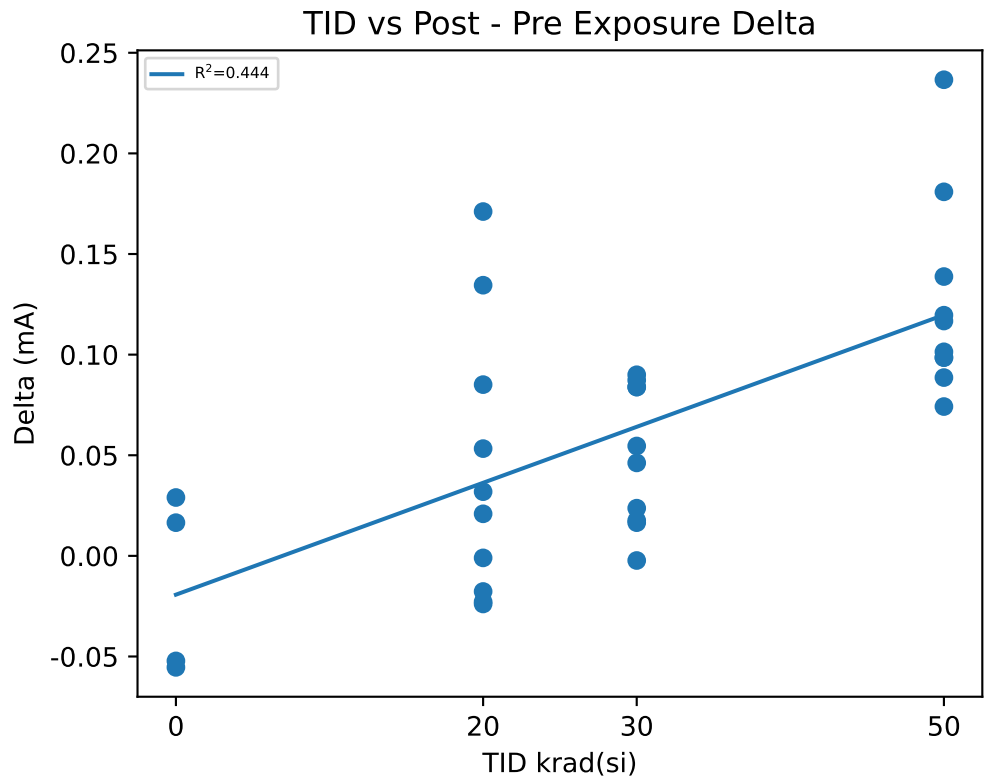
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	20	HDR BIAS	3.6918	3.737	0.0452
2	20	HDR BIAS	3.7505	3.7667	0.0162
3	20	HDR BIAS	3.6366	3.679	0.0424
4	20	HDR BIAS	3.7838	3.8622	0.0784
5	20	HDR BIAS	3.6872	3.7373	0.0501
6	20	HDR UNBIAS	3.733	3.7293	-0.0037
7	20	HDR UNBIAS	3.7697	3.8169	0.0472
8	20	HDR UNBIAS	3.6863	3.7219	0.0356
9	20	HDR UNBIAS	3.6706	3.7034	0.0328
10	20	HDR UNBIAS	3.7755	3.811	0.0355
11	30	HDR BIAS	3.7312	3.8105	0.0793
12	30	HDR BIAS	3.7127	3.7788	0.0661
13	30	HDR BIAS	3.724	3.7897	0.0657
14	30	HDR BIAS	3.7232	3.7625	0.0393
15	30	HDR BIAS	3.786	3.835	0.049
16	30	HDR UNBIAS	3.6227	3.656	0.0333
17	30	HDR UNBIAS	3.6595	3.694	0.0345
18	30	HDR UNBIAS	3.7459	3.8022	0.0563
19	30	HDR UNBIAS	3.6814	3.7328	0.0514
20	30	HDR UNBIAS	3.7033	3.7612	0.0579
21	50	HDR BIAS	3.6207	3.6965	0.0758
22	50	HDR BIAS	3.6964	3.8117	0.1153
23	50	HDR BIAS	3.7824	3.9234	0.141
24	50	HDR BIAS	3.8268	3.9547	0.1279
25	50	HDR BIAS	3.6396	3.7484	0.1088
26	50	HDR UNBIAS	3.6401	3.7045	0.0644
27	50	HDR UNBIAS	3.6782	3.7841	0.1059
28	50	HDR UNBIAS	3.6826	3.7746	0.092
29	50	HDR UNBIAS	3.6939	3.7712	0.0773
30	50	HDR UNBIAS	3.5756	3.6563	0.0807
41	0	CORRELATION	3.6948	3.6494	-0.0454
42	0	CORRELATION	3.8347	3.7994	-0.0353
43	0	CORRELATION	3.7151	3.6716	-0.0435
45	0	CORRELATION	3.8454	3.8098	-0.0356

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	3.6948	3.7725	3.8454	0.078561	3.6494	3.7325	3.8098	0.083796	-0.0454	-0.03995	-0.0353	0.0052552
20	3.6366	3.7185	3.7838	0.050663	3.679	3.7565	3.8622	0.057161	-0.0037	0.03797	0.0784	0.021571
30	3.6227	3.709	3.786	0.045845	3.656	3.7623	3.835	0.054833	0.0333	0.05328	0.0793	0.01489
50	3.5756	3.6836	3.8268	0.074548	3.6563	3.7825	3.9547	0.094939	0.0644	0.09891	0.141	0.024941

Device Test: 12.20 IOP|PWM/BOOT/14/14///0.5MHz/@I_OP_HS_PWM_500KHZ





Test Results (Upper Limit = 12.0 (mA))

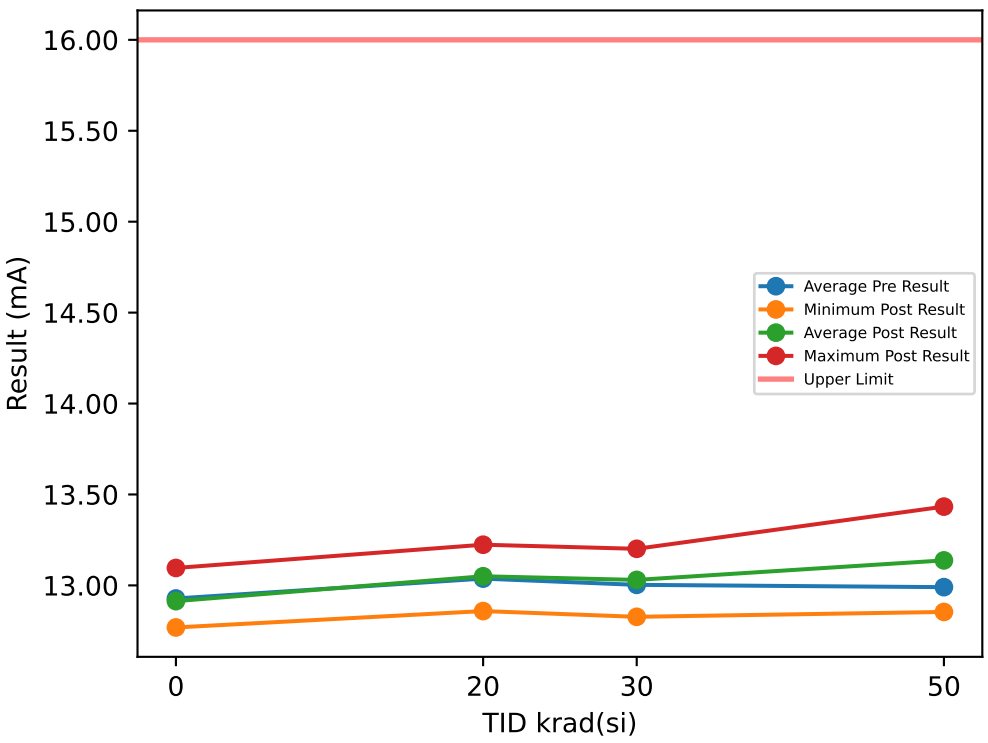
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	20	HDR BIAS	7.13	7.1072	-0.0228
2	20	HDR BIAS	7.1022	7.0783	-0.0239
3	20	HDR BIAS	7.0273	7.0096	-0.0177
4	20	HDR BIAS	7.1659	7.1868	0.0209
5	20	HDR BIAS	7.0106	7.0096	-0.001
6	20	HDR UNBIAS	7.0826	7.1145	0.0319
7	20	HDR UNBIAS	7.2197	7.3048	0.0851
8	20	HDR UNBIAS	7.049	7.1023	0.0533
9	20	HDR UNBIAS	7.0126	7.1837	0.1711
10	20	HDR UNBIAS	7.0741	7.2086	0.1345
11	30	HDR BIAS	7.0352	7.0814	0.0462
12	30	HDR BIAS	7.1037	7.1202	0.0165
13	30	HDR BIAS	7.0395	7.0632	0.0237
14	30	HDR BIAS	7.1508	7.1485	-0.0023
15	30	HDR BIAS	7.1079	7.1255	0.0176
16	30	HDR UNBIAS	7.0499	7.1338	0.0839
17	30	HDR UNBIAS	6.9329	6.9875	0.0546
18	30	HDR UNBIAS	7.0721	7.1594	0.0873
19	30	HDR UNBIAS	7.1298	7.2198	0.09
20	30	HDR UNBIAS	7.0223	7.1062	0.0839
21	50	HDR BIAS	7.0401	7.1143	0.0742
22	50	HDR BIAS	7.062	7.1606	0.0986
23	50	HDR BIAS	7.1505	7.2893	0.1388
24	50	HDR BIAS	7.2956	7.4123	0.1167
25	50	HDR BIAS	7.0724	7.1709	0.0985
26	50	HDR UNBIAS	7.0424	7.131	0.0886
27	50	HDR UNBIAS	7.0378	7.2744	0.2366
28	50	HDR UNBIAS	7.0279	7.2088	0.1809
29	50	HDR UNBIAS	7.1261	7.2457	0.1196
30	50	HDR UNBIAS	6.9706	7.072	0.1014
41	0	CORRELATION	6.9864	6.931	-0.0554
42	0	CORRELATION	7.1979	7.2269	0.029
43	0	CORRELATION	7.0959	7.1124	0.0165
45	0	CORRELATION	7.2028	7.1506	-0.0522

Test Statistics (mA)

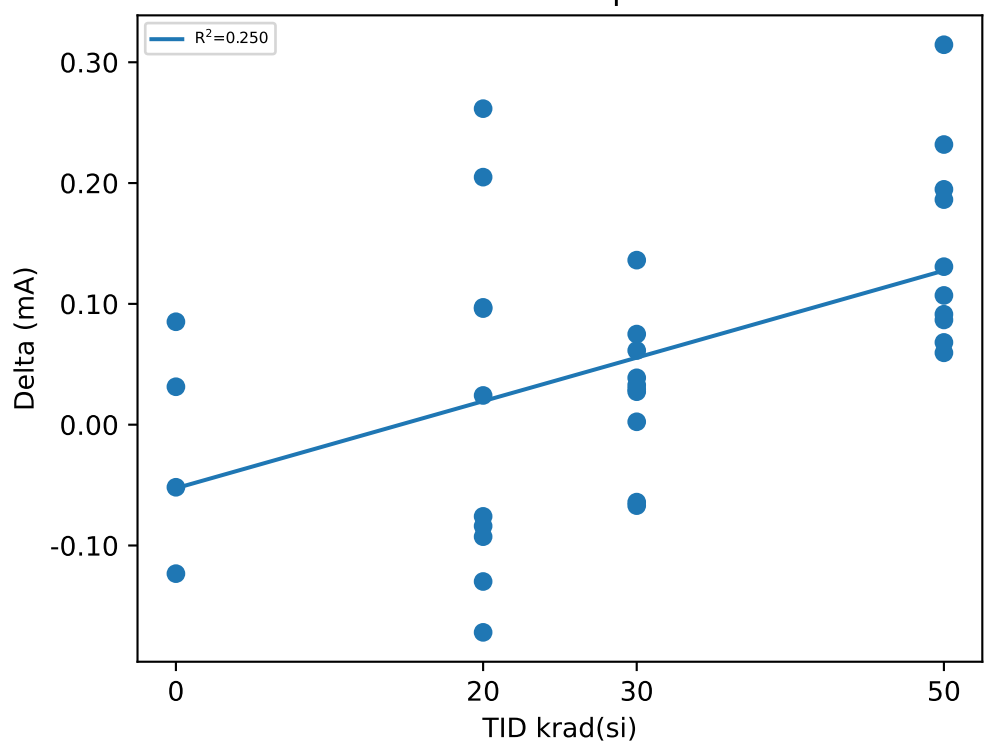
krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	6.9864	7.1208	7.2028	0.10223	6.931	7.1052	7.2269	0.12552	-0.0554	-0.015525	0.029	0.044509
20	7.0106	7.0874	7.2197	0.068702	7.0096	7.1305	7.3048	0.091913	-0.0239	0.04314	0.1711	0.068067
30	6.9329	7.0644	7.1508	0.063233	6.9875	7.1145	7.2198	0.062103	-0.0023	0.05014	0.09	0.034839
50	6.9706	7.0825	7.2956	0.090287	7.072	7.2079	7.4123	0.10056	0.0742	0.12539	0.2366	0.049135

Device Test: 12.21 IOP|PWM/VIN/14/14///1MHz/@I_OP_LS_PWM_1MHZ

TID vs Result Stats



TID vs Post - Pre Exposure Delta



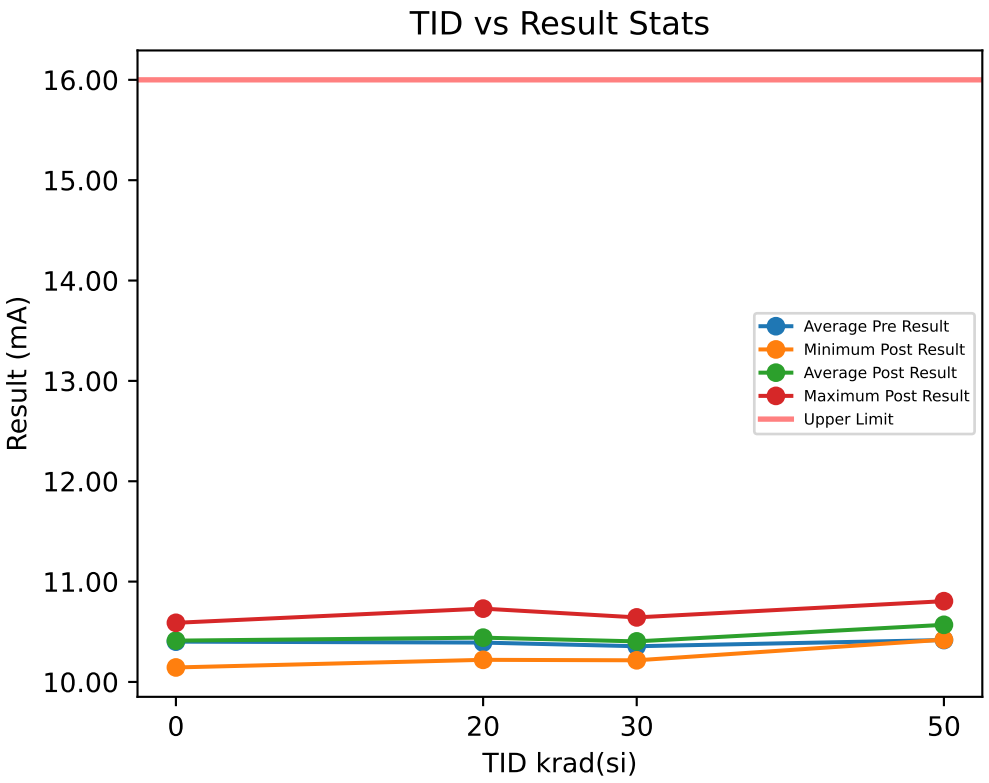
Test Results (Upper Limit = 16.0 (mA))

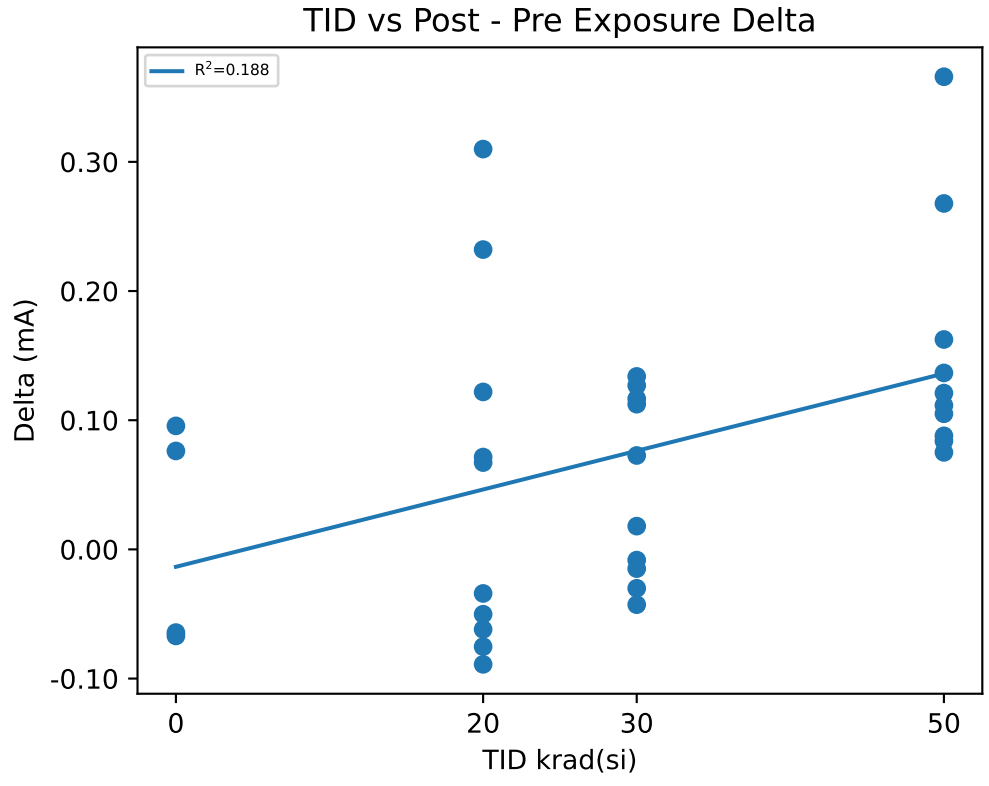
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	20	HDR BIAS	12.977	12.884	-0.0927
2	20	HDR BIAS	13.054	12.978	-0.0759
3	20	HDR BIAS	13.084	13	-0.0839
4	20	HDR BIAS	13.153	12.982	-0.1719
5	20	HDR BIAS	12.989	12.859	-0.1298
6	20	HDR UNBIAS	13.128	13.224	0.0961
7	20	HDR UNBIAS	13.121	13.219	0.0971
8	20	HDR UNBIAS	12.993	13.018	0.0242
9	20	HDR UNBIAS	12.859	13.12	0.2616
10	20	HDR UNBIAS	13.014	13.219	0.2049
11	30	HDR BIAS	13.108	13.111	0.0024
12	30	HDR BIAS	13.21	13.146	-0.0641
13	30	HDR BIAS	12.969	12.997	0.0273
14	30	HDR BIAS	12.866	12.896	0.0294
15	30	HDR BIAS	12.953	12.886	-0.067
16	30	HDR UNBIAS	12.929	12.962	0.0328
17	30	HDR UNBIAS	12.972	13.109	0.1362
18	30	HDR UNBIAS	13.14	13.201	0.0614
19	30	HDR UNBIAS	12.752	12.827	0.075
20	30	HDR UNBIAS	13.13	13.168	0.0388
21	50	HDR BIAS	13.135	13.221	0.0867
22	50	HDR BIAS	12.763	12.854	0.0914
23	50	HDR BIAS	13.05	13.157	0.107
24	50	HDR BIAS	12.943	13.011	0.0681
25	50	HDR BIAS	12.824	12.884	0.0595
26	50	HDR UNBIAS	13.063	13.194	0.1308
27	50	HDR UNBIAS	12.977	13.292	0.3145
28	50	HDR UNBIAS	12.899	13.131	0.2319
29	50	HDR UNBIAS	13.004	13.198	0.1948
30	50	HDR UNBIAS	13.247	13.433	0.1863
41	0	CORRELATION	13.219	13.096	-0.1233
42	0	CORRELATION	12.684	12.769	0.0852
43	0	CORRELATION	12.88	12.912	0.0314
45	0	CORRELATION	12.929	12.878	-0.0518

Test Statistics (mA)

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	12.684	12.928	13.219	0.22126	12.769	12.913	13.096	0.13605	-0.1233	-0.014625	0.0852	0.091789
20	12.859	13.037	13.153	0.089112	12.859	13.05	13.224	0.13728	-0.1719	0.01297	0.2616	0.14749
30	12.752	13.003	13.21	0.14159	12.827	13.03	13.201	0.13348	-0.067	0.02722	0.1362	0.060856
50	12.763	12.99	13.247	0.14373	12.854	13.137	13.433	0.1784	0.0595	0.1471	0.3145	0.082708

Device Test: 12.22 IOP|PWM/BOOT/14/14///1MHz/@I_OP_HS_PWM_1MHZ





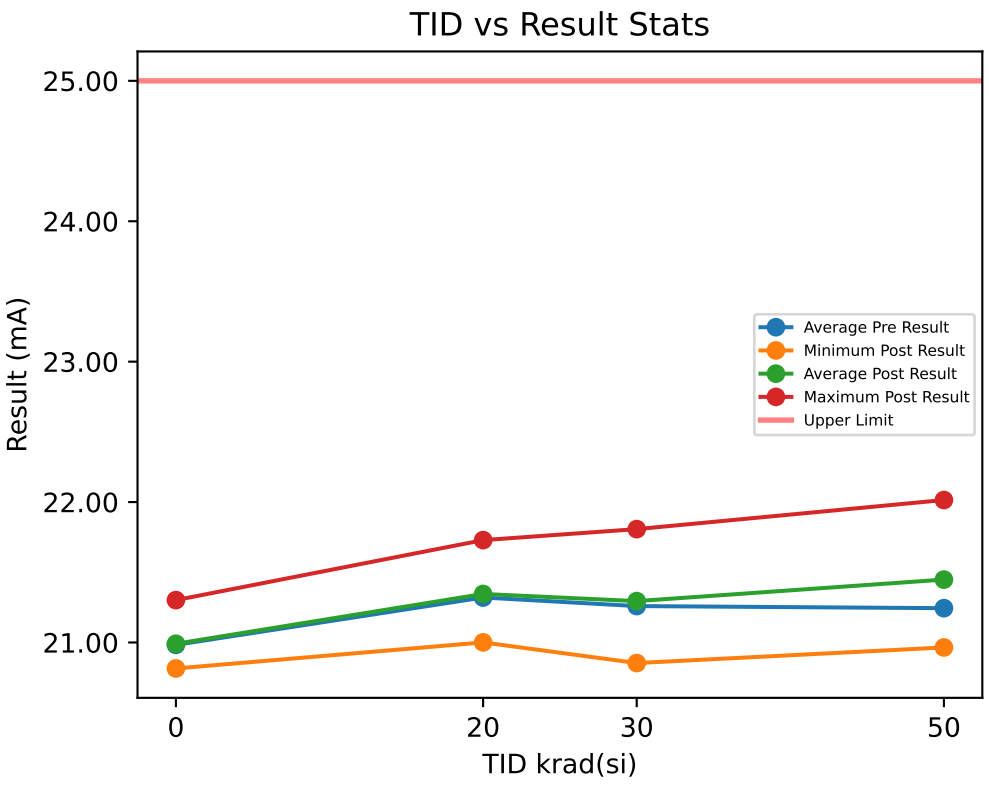
Test Results (Upper Limit = 16.0 (mA))

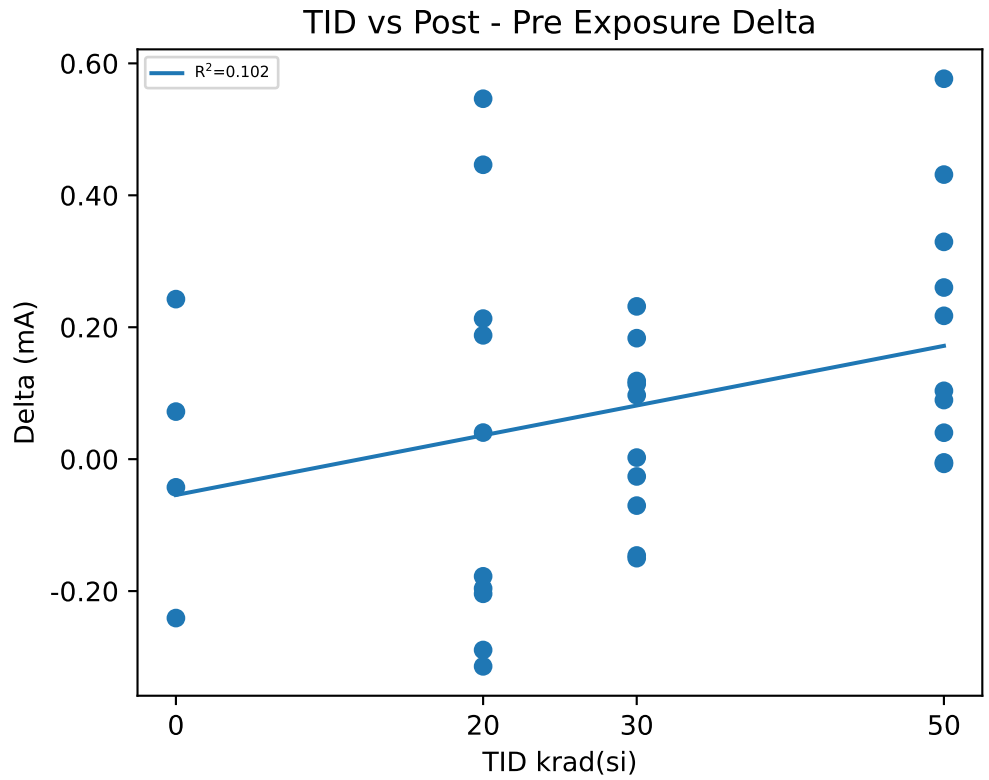
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	20	HDR BIAS	10.505	10.416	-0.089
2	20	HDR BIAS	10.388	10.326	-0.0619
3	20	HDR BIAS	10.353	10.277	-0.0753
4	20	HDR BIAS	10.483	10.449	-0.0341
5	20	HDR BIAS	10.271	10.22	-0.0502
6	20	HDR UNBIAS	10.368	10.435	0.0672
7	20	HDR UNBIAS	10.609	10.731	0.1219
8	20	HDR UNBIAS	10.346	10.418	0.0715
9	20	HDR UNBIAS	10.292	10.602	0.3099
10	20	HDR UNBIAS	10.308	10.54	0.2321
11	30	HDR BIAS	10.274	10.292	0.018
12	30	HDR BIAS	10.43	10.4	-0.0301
13	30	HDR BIAS	10.29	10.275	-0.0149
14	30	HDR BIAS	10.515	10.473	-0.0428
15	30	HDR BIAS	10.366	10.358	-0.0083
16	30	HDR UNBIAS	10.414	10.548	0.1339
17	30	HDR UNBIAS	10.143	10.216	0.0727
18	30	HDR UNBIAS	10.332	10.449	0.1166
19	30	HDR UNBIAS	10.516	10.643	0.1269
20	30	HDR UNBIAS	10.277	10.389	0.1124
21	50	HDR BIAS	10.394	10.47	0.0751
22	50	HDR BIAS	10.365	10.449	0.0839
23	50	HDR BIAS	10.455	10.592	0.1366
24	50	HDR BIAS	10.7	10.805	0.105
25	50	HDR BIAS	10.441	10.529	0.0879
26	50	HDR UNBIAS	10.383	10.494	0.1115
27	50	HDR UNBIAS	10.335	10.701	0.3659
28	50	HDR UNBIAS	10.309	10.577	0.2678
29	50	HDR UNBIAS	10.493	10.655	0.1625
30	50	HDR UNBIAS	10.3	10.421	0.121
41	0	CORRELATION	10.209	10.144	-0.0644
42	0	CORRELATION	10.494	10.589	0.0956
43	0	CORRELATION	10.411	10.487	0.0762
45	0	CORRELATION	10.493	10.426	-0.067

Test Statistics (mA)

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	10.209	10.402	10.494	0.13428	10.144	10.412	10.589	0.19051	-0.067	0.0101	0.0956	0.08789
20	10.271	10.392	10.609	0.10754	10.22	10.441	10.731	0.15258	-0.089	0.04921	0.3099	0.13796
30	10.143	10.356	10.516	0.11706	10.216	10.404	10.643	0.12982	-0.0428	0.04844	0.1339	0.071052
50	10.3	10.418	10.7	0.11751	10.421	10.569	10.805	0.12223	0.0751	0.15172	0.3659	0.093678

Device Test: 12.23 IOP|PWM/VIN/14/14///2MHz/@I_OP_LS_PWM_2MHZ





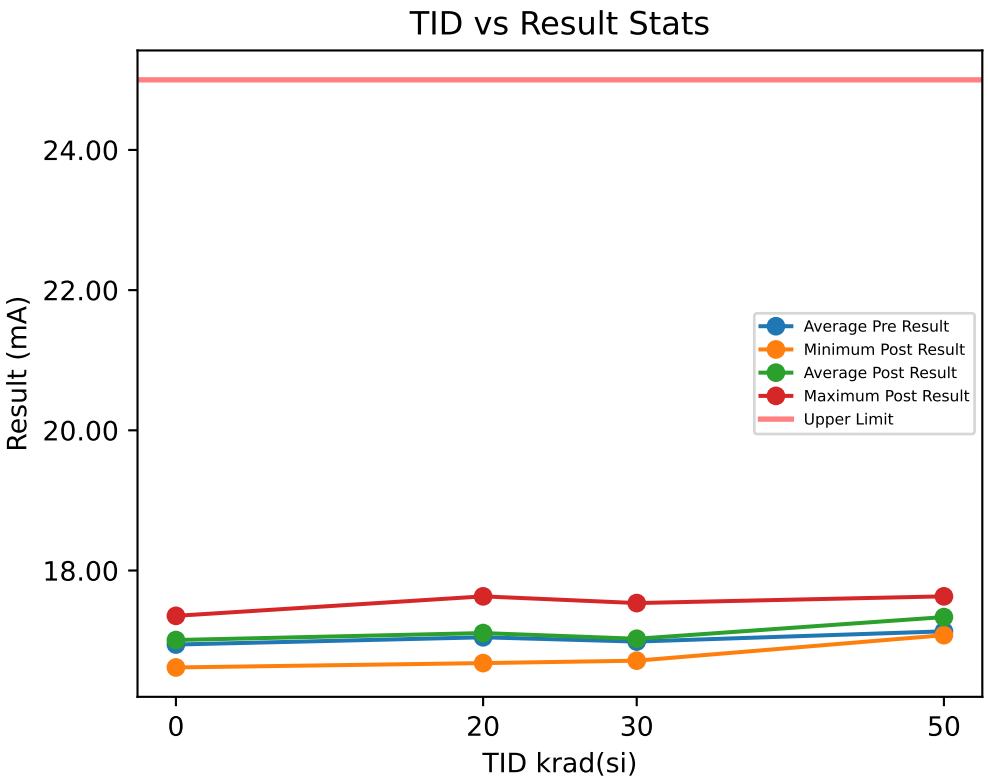
Test Results (Upper Limit = 25.0 (mA))

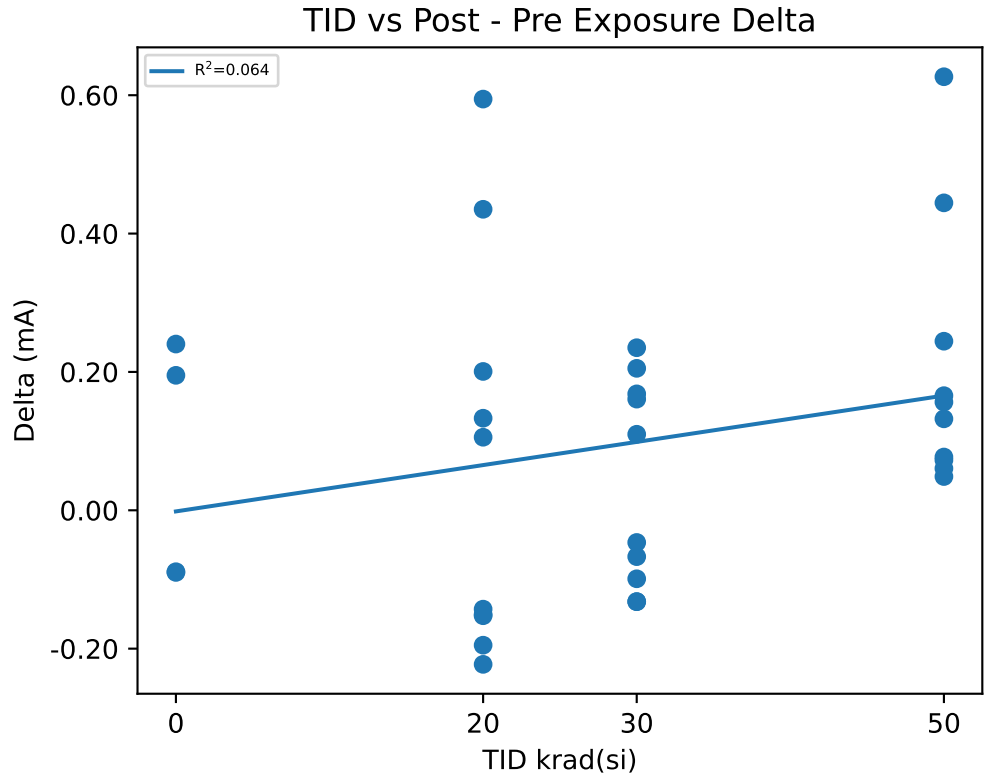
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	20	HDR BIAS	21.206	21.01	-0.196
2	20	HDR BIAS	21.334	21.156	-0.1776
3	20	HDR BIAS	21.375	21.171	-0.2041
4	20	HDR BIAS	21.711	21.397	-0.3141
5	20	HDR BIAS	21.29	21	-0.2893
6	20	HDR UNBIAS	21.541	21.729	0.1877
7	20	HDR UNBIAS	21.439	21.652	0.2131
8	20	HDR UNBIAS	21.15	21.191	0.0403
9	20	HDR UNBIAS	20.977	21.523	0.5464
10	20	HDR UNBIAS	21.179	21.626	0.4463
11	30	HDR BIAS	21.378	21.308	-0.0704
12	30	HDR BIAS	21.671	21.525	-0.146
13	30	HDR BIAS	21.069	21.043	-0.0262
14	30	HDR BIAS	20.959	20.961	0.0024
15	30	HDR BIAS	21.232	21.082	-0.1501
16	30	HDR UNBIAS	21.128	21.242	0.114
17	30	HDR UNBIAS	21.228	21.459	0.2316
18	30	HDR UNBIAS	21.569	21.666	0.0969
19	30	HDR UNBIAS	20.735	20.854	0.1185
20	30	HDR UNBIAS	21.624	21.807	0.1834
21	50	HDR BIAS	21.515	21.604	0.0896
22	50	HDR BIAS	21.119	21.112	-0.0071
23	50	HDR BIAS	21.151	21.255	0.1036
24	50	HDR BIAS	21.086	21.126	0.0401
25	50	HDR BIAS	20.97	20.965	-0.0049
26	50	HDR UNBIAS	21.494	21.711	0.2173
27	50	HDR UNBIAS	21.109	21.686	0.5767
28	50	HDR UNBIAS	21.037	21.468	0.4314
29	50	HDR UNBIAS	21.279	21.539	0.2602
30	50	HDR UNBIAS	21.685	22.015	0.3294
41	0	CORRELATION	21.543	21.302	-0.2409
42	0	CORRELATION	20.572	20.815	0.2426
43	0	CORRELATION	20.824	20.896	0.0721
45	0	CORRELATION	20.994	20.951	-0.0427

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	20.572	20.983	21.543	0.41116	20.815	20.991	21.302	0.21459	-0.2409	0.007775	0.2426	0.20303
20	20.977	21.32	21.711	0.21063	21	21.346	21.729	0.27402	-0.3141	0.02527	0.5464	0.31048
30	20.735	21.259	21.671	0.30422	20.854	21.295	21.807	0.3159	-0.1501	0.03541	0.2316	0.13361
50	20.97	21.244	21.685	0.23973	20.965	21.448	22.015	0.32789	-0.0071	0.20363	0.5767	0.19661

Device Test: 12.24 IOP|PWM/BOOT/14/14///2MHz/@I_OP_HS_PWM_2MHZ





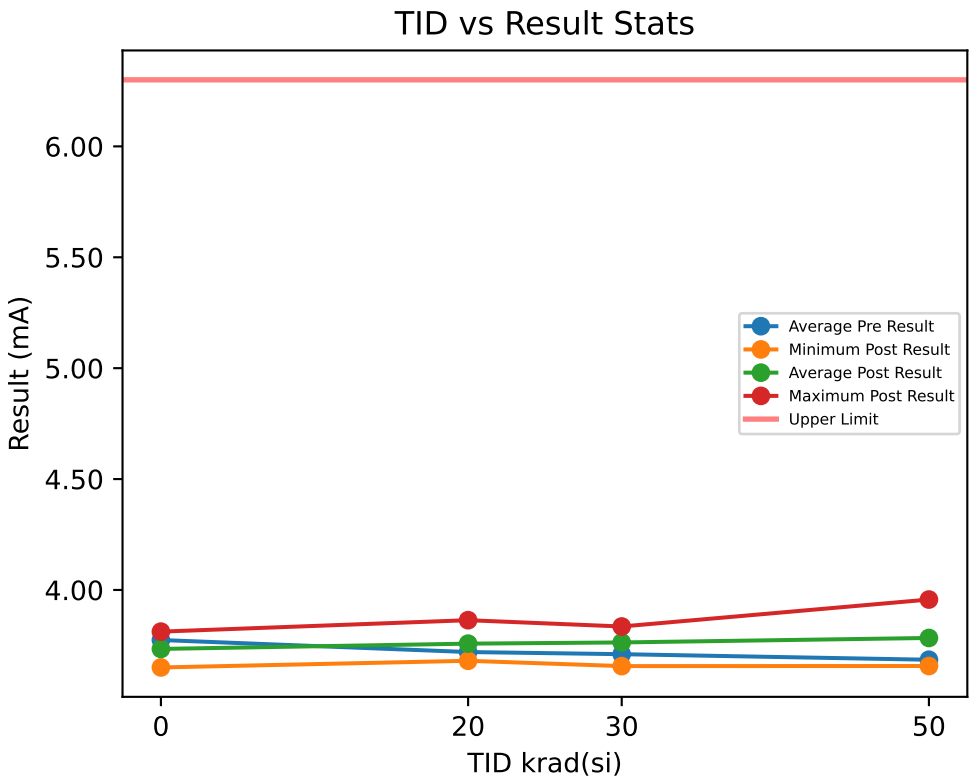
Test Results (Upper Limit = 25.0 (mA))

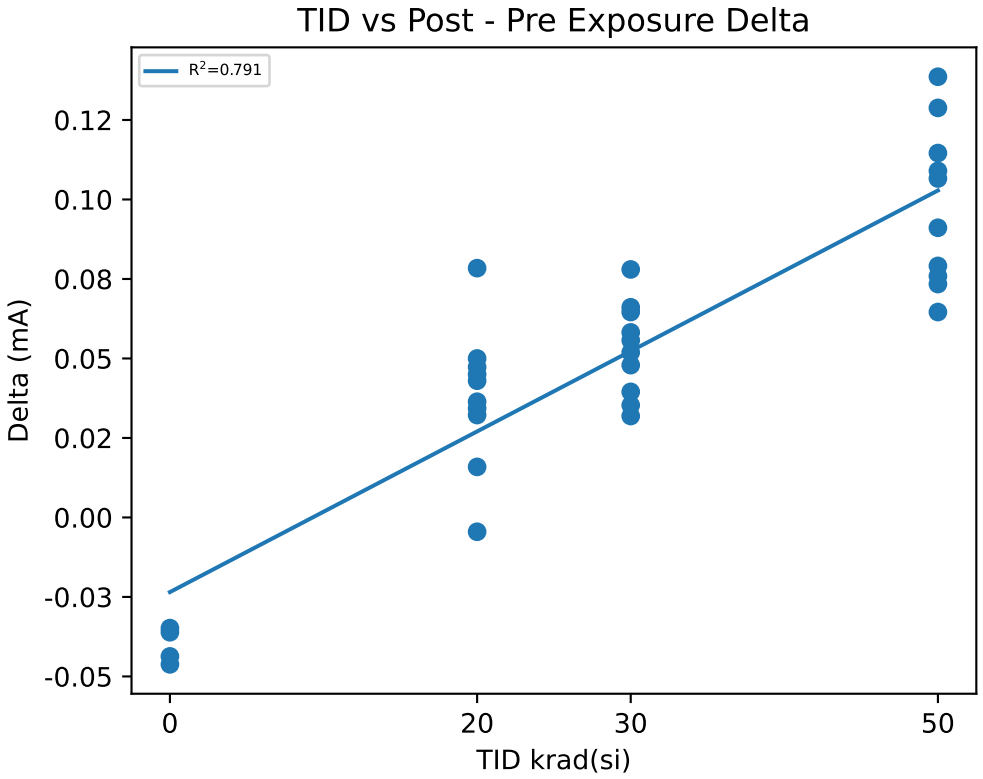
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	20	HDR BIAS	17.296	17.073	-0.2227
2	20	HDR BIAS	17.008	16.865	-0.1429
3	20	HDR BIAS	17.043	16.848	-0.195
4	20	HDR BIAS	17.171	17.02	-0.1507
5	20	HDR BIAS	16.832	16.679	-0.1524
6	20	HDR UNBIAS	16.984	17.117	0.1331
7	20	HDR UNBIAS	17.431	17.631	0.2007
8	20	HDR UNBIAS	16.991	17.096	0.1056
9	20	HDR UNBIAS	16.889	17.484	0.5944
10	20	HDR UNBIAS	16.826	17.262	0.4351
11	30	HDR BIAS	16.794	16.748	-0.0465
12	30	HDR BIAS	17.145	17.012	-0.132
13	30	HDR BIAS	16.835	16.736	-0.099
14	30	HDR BIAS	17.295	17.163	-0.1321
15	30	HDR BIAS	16.925	16.858	-0.067
16	30	HDR UNBIAS	17.193	17.428	0.235
17	30	HDR UNBIAS	16.604	16.714	0.1099
18	30	HDR UNBIAS	16.903	17.072	0.1683
19	30	HDR UNBIAS	17.33	17.536	0.2052
20	30	HDR UNBIAS	16.838	16.999	0.1607
21	50	HDR BIAS	17.141	17.218	0.077
22	50	HDR BIAS	17.029	17.077	0.0488
23	50	HDR BIAS	17.099	17.232	0.1322
24	50	HDR BIAS	17.559	17.631	0.0726
25	50	HDR BIAS	17.215	17.275	0.0605
26	50	HDR UNBIAS	17.115	17.271	0.1564
27	50	HDR UNBIAS	16.97	17.597	0.6267
28	50	HDR UNBIAS	16.922	17.367	0.4444
29	50	HDR UNBIAS	17.268	17.513	0.2444
30	50	HDR UNBIAS	17.009	17.175	0.1657
41	0	CORRELATION	16.706	16.617	-0.0888
42	0	CORRELATION	17.113	17.353	0.2403
43	0	CORRELATION	16.844	17.039	0.1951
45	0	CORRELATION	17.113	17.023	-0.0898

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	16.706	16.944	17.113	0.20319	16.617	17.008	17.353	0.30184	-0.0898	0.0642	0.2403	0.1782
20	16.826	17.047	17.431	0.1981	16.679	17.108	17.631	0.29018	-0.2227	0.06052	0.5944	0.28463
30	16.604	16.986	17.33	0.24041	16.714	17.026	17.536	0.28484	-0.1321	0.04025	0.235	0.14858
50	16.922	17.133	17.559	0.1841	17.077	17.336	17.631	0.18653	0.0488	0.20287	0.6267	0.19004

Device Test: 12.26 IQ|IIM_EN/BOOT/10/8///0MHz/@IQ_HS_IIM





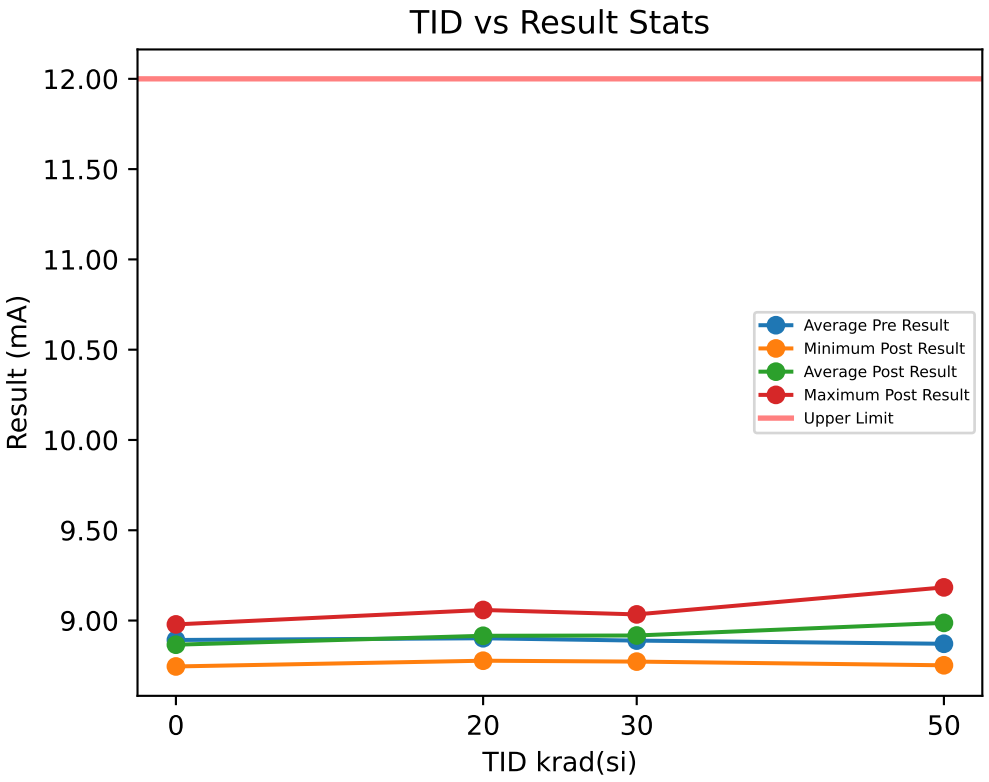
Test Results (Upper Limit = 6.3 (mA))

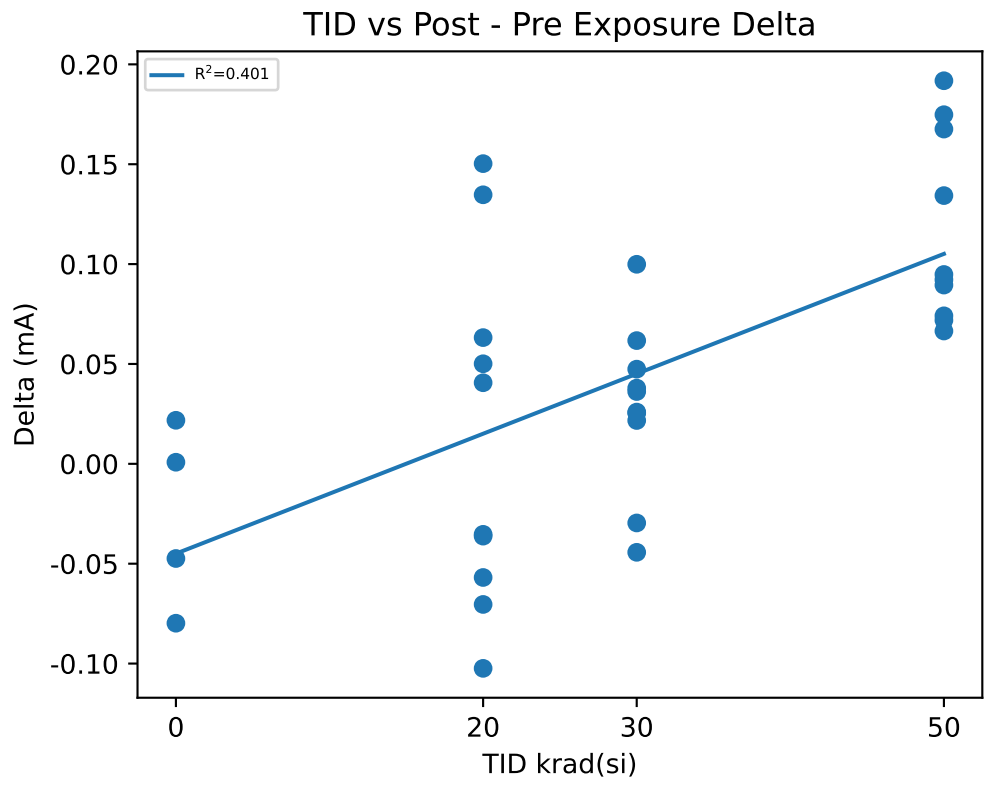
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	20	HDR BIAS	3.6943	3.7393	0.045
2	20	HDR BIAS	3.7526	3.7685	0.0159
3	20	HDR BIAS	3.6377	3.6807	0.043
4	20	HDR BIAS	3.7853	3.8637	0.0784
5	20	HDR BIAS	3.6881	3.7381	0.05
6	20	HDR UNBIAS	3.7356	3.7311	-0.0045
7	20	HDR UNBIAS	3.7711	3.8184	0.0473
8	20	HDR UNBIAS	3.6882	3.7225	0.0343
9	20	HDR UNBIAS	3.6721	3.7043	0.0322
10	20	HDR UNBIAS	3.7764	3.8128	0.0364
11	30	HDR BIAS	3.7331	3.8111	0.078
12	30	HDR BIAS	3.7147	3.7808	0.0661
13	30	HDR BIAS	3.7249	3.7895	0.0646
14	30	HDR BIAS	3.7248	3.7643	0.0395
15	30	HDR BIAS	3.7874	3.8353	0.0479
16	30	HDR UNBIAS	3.6248	3.6567	0.0319
17	30	HDR UNBIAS	3.6607	3.696	0.0353
18	30	HDR UNBIAS	3.7464	3.8046	0.0582
19	30	HDR UNBIAS	3.6822	3.7341	0.0519
20	30	HDR UNBIAS	3.7057	3.7614	0.0557
21	50	HDR BIAS	3.6226	3.696	0.0734
22	50	HDR BIAS	3.6984	3.813	0.1146
23	50	HDR BIAS	3.7847	3.9233	0.1386
24	50	HDR BIAS	3.828	3.9568	0.1288
25	50	HDR BIAS	3.6411	3.7501	0.109
26	50	HDR UNBIAS	3.6415	3.7061	0.0646
27	50	HDR UNBIAS	3.6799	3.7865	0.1066
28	50	HDR UNBIAS	3.6845	3.7756	0.0911
29	50	HDR UNBIAS	3.6952	3.7711	0.0759
30	50	HDR UNBIAS	3.578	3.6571	0.0791
41	0	CORRELATION	3.6968	3.6506	-0.0462
42	0	CORRELATION	3.8371	3.801	-0.0361
43	0	CORRELATION	3.7165	3.6728	-0.0437
45	0	CORRELATION	3.8469	3.8121	-0.0348

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	3.6968	3.7743	3.8469	0.078659	3.6506	3.7341	3.8121	0.084241	-0.0462	-0.0402	-0.0348	0.0056042
20	3.6377	3.7201	3.7853	0.050683	3.6807	3.7579	3.8637	0.057274	-0.0045	0.0378	0.0784	0.021809
30	3.6248	3.7105	3.7874	0.045694	3.6567	3.7634	3.8353	0.054688	0.0319	0.05291	0.078	0.014657
50	3.578	3.6854	3.828	0.074431	3.6571	3.7836	3.9568	0.095109	0.0646	0.09817	0.1386	0.025125

Device Test: 12.3 IOP|PWM/VIN/10/8///0.5MHz/@I_OP_LS_PWM_500KHZ





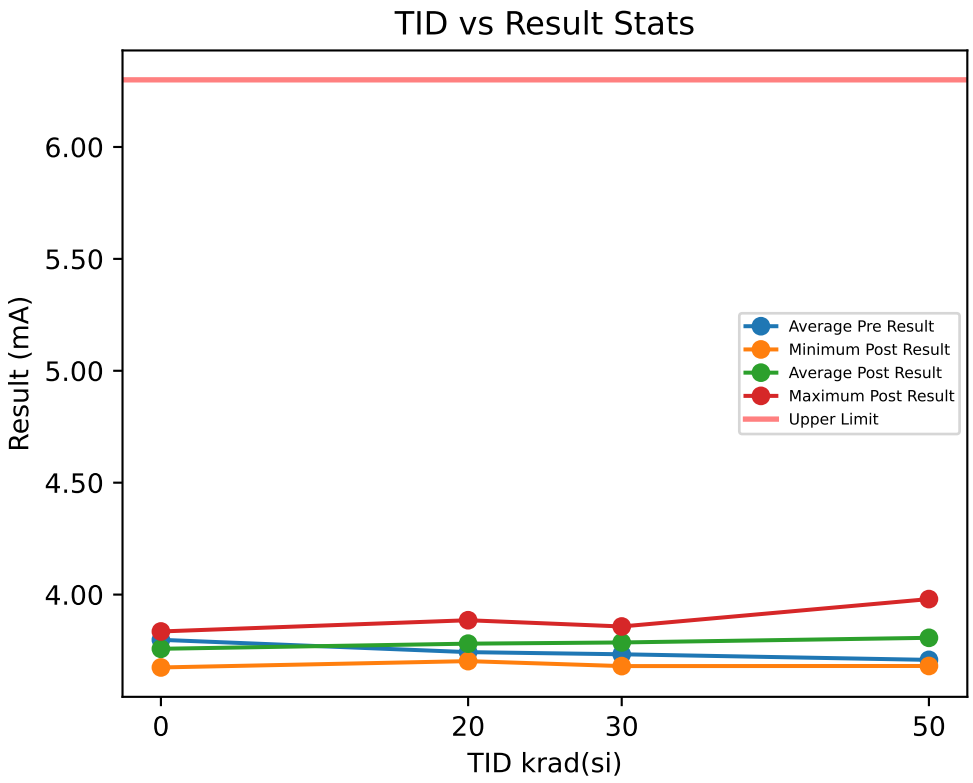
Test Results (Upper Limit = 12.0 (mA))

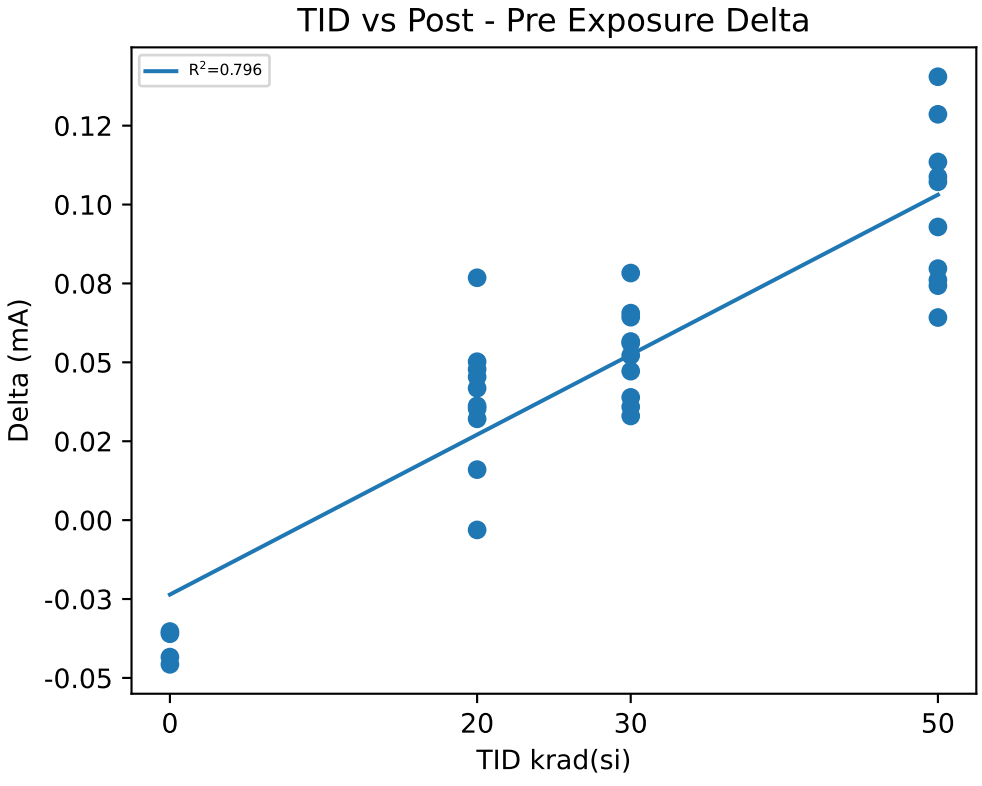
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	20	HDR BIAS	8.8596	8.8027	-0.0569
2	20	HDR BIAS	8.9178	8.8825	-0.0353
3	20	HDR BIAS	8.9343	8.8981	-0.0362
4	20	HDR BIAS	8.9482	8.8458	-0.1024
5	20	HDR BIAS	8.8479	8.7775	-0.0704
6	20	HDR UNBIAS	8.9331	8.9963	0.0632
7	20	HDR UNBIAS	8.9558	9.0059	0.0501
8	20	HDR UNBIAS	8.9101	8.9507	0.0406
9	20	HDR UNBIAS	8.7875	8.9378	0.1503
10	20	HDR UNBIAS	8.9238	9.0585	0.1347
11	30	HDR BIAS	8.9637	8.9896	0.0259
12	30	HDR BIAS	8.9896	8.96	-0.0296
13	30	HDR BIAS	8.912	8.9499	0.0379
14	30	HDR BIAS	8.8128	8.849	0.0362
15	30	HDR BIAS	8.8169	8.7726	-0.0443
16	30	HDR UNBIAS	8.838	8.8597	0.0217
17	30	HDR UNBIAS	8.8574	8.9573	0.0999
18	30	HDR UNBIAS	8.9723	9.034	0.0617
19	30	HDR UNBIAS	8.7488	8.7962	0.0474
20	30	HDR UNBIAS	8.9777	9.0031	0.0254
21	50	HDR BIAS	8.9546	9.0211	0.0665
22	50	HDR BIAS	8.6627	8.7522	0.0895
23	50	HDR BIAS	8.9876	9.0824	0.0948
24	50	HDR BIAS	8.8665	8.9406	0.0741
25	50	HDR BIAS	8.74	8.8119	0.0719
26	50	HDR UNBIAS	8.8782	8.9704	0.0922
27	50	HDR UNBIAS	8.8923	9.0841	0.1918
28	50	HDR UNBIAS	8.8235	8.9911	0.1676
29	50	HDR UNBIAS	8.8585	9.0333	0.1748
30	50	HDR UNBIAS	9.0493	9.1836	0.1343
41	0	CORRELATION	9.0584	8.9786	-0.0798
42	0	CORRELATION	8.7239	8.7457	0.0218
43	0	CORRELATION	8.8939	8.8947	0.0008
45	0	CORRELATION	8.8931	8.8457	-0.0474

Test Statistics (mA)

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	8.7239	8.8923	9.0584	0.13657	8.7457	8.8662	8.9786	0.097274	-0.0798	-0.02615	0.0218	0.046027
20	8.7875	8.9018	8.9558	0.0534	8.7775	8.9156	9.0585	0.091229	-0.1024	0.01377	0.1503	0.087067
30	8.7488	8.8889	8.9896	0.085177	8.7726	8.9171	9.034	0.090848	-0.0443	0.02822	0.0999	0.041422
50	8.6627	8.8713	9.0493	0.11346	8.7522	8.9871	9.1836	0.12855	0.0665	0.11575	0.1918	0.047221

Device Test: 12.34 IQ|IIM_EN/BOOT/12/10///0MHz/@IQ_HS_IIM





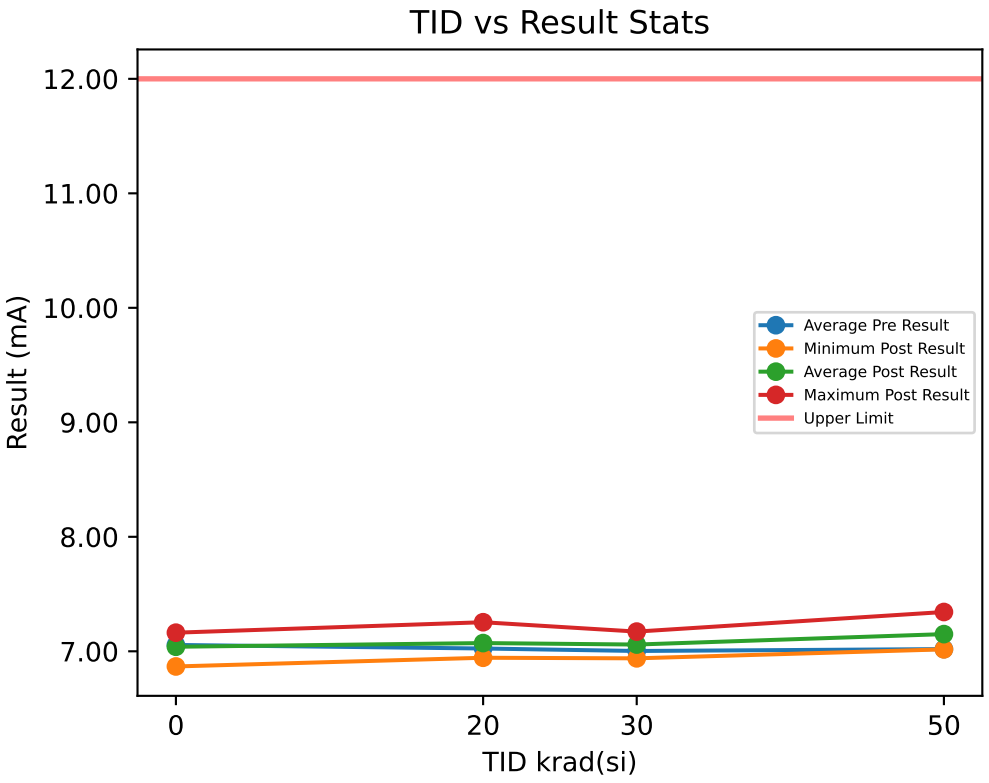
Test Results (Upper Limit = 6.3 (mA))

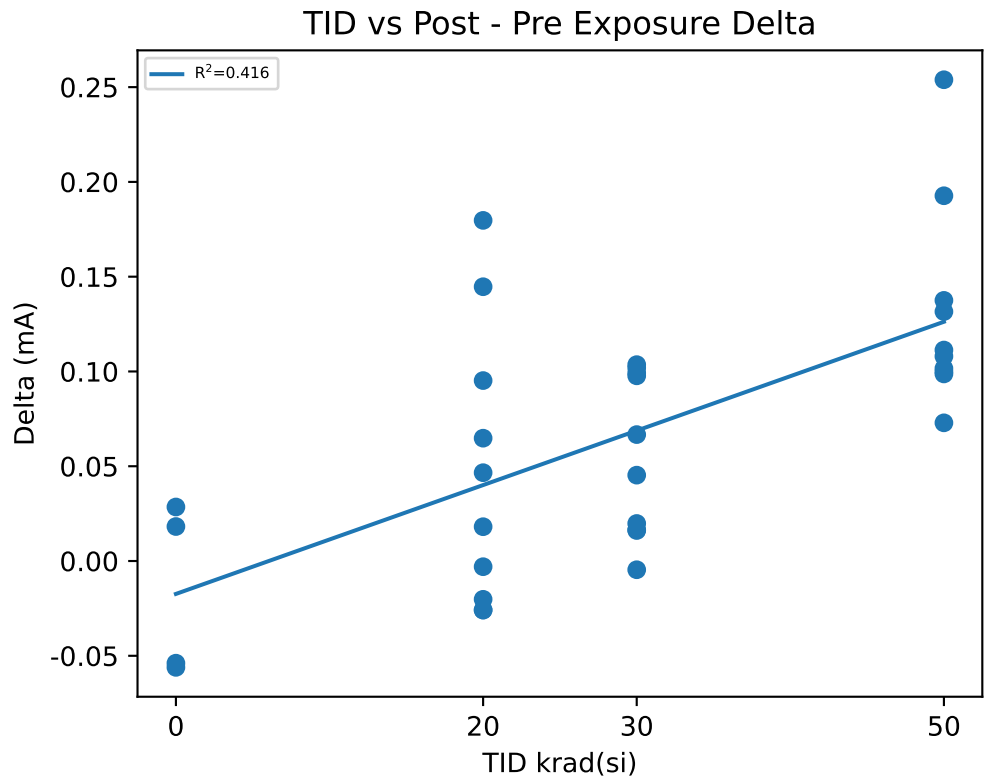
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	20	HDR BIAS	3.7162	3.7616	0.0454
2	20	HDR BIAS	3.775	3.791	0.016
3	20	HDR BIAS	3.6609	3.7027	0.0418
4	20	HDR BIAS	3.8086	3.8854	0.0768
5	20	HDR BIAS	3.7113	3.7615	0.0502
6	20	HDR UNBIAS	3.7585	3.7554	-0.0031
7	20	HDR UNBIAS	3.7929	3.8407	0.0478
8	20	HDR UNBIAS	3.7105	3.7458	0.0353
9	20	HDR UNBIAS	3.6947	3.7268	0.0321
10	20	HDR UNBIAS	3.8001	3.8363	0.0362
11	30	HDR BIAS	3.7552	3.8335	0.0783
12	30	HDR BIAS	3.7377	3.8033	0.0656
13	30	HDR BIAS	3.7485	3.8128	0.0643
14	30	HDR BIAS	3.748	3.7869	0.0389
15	30	HDR BIAS	3.8103	3.8575	0.0472
16	30	HDR UNBIAS	3.6475	3.6805	0.033
17	30	HDR UNBIAS	3.6832	3.7191	0.0359
18	30	HDR UNBIAS	3.7694	3.826	0.0566
19	30	HDR UNBIAS	3.7044	3.7566	0.0522
20	30	HDR UNBIAS	3.7288	3.7849	0.0561
21	50	HDR BIAS	3.6453	3.7196	0.0743
22	50	HDR BIAS	3.7211	3.8346	0.1135
23	50	HDR BIAS	3.8071	3.9476	0.1405
24	50	HDR BIAS	3.8513	3.9799	0.1286
25	50	HDR BIAS	3.6643	3.7731	0.1088
26	50	HDR UNBIAS	3.6648	3.729	0.0642
27	50	HDR UNBIAS	3.702	3.8092	0.1072
28	50	HDR UNBIAS	3.7069	3.7998	0.0929
29	50	HDR UNBIAS	3.7185	3.7946	0.0761
30	50	HDR UNBIAS	3.6013	3.681	0.0797
41	0	CORRELATION	3.7201	3.6744	-0.0457
42	0	CORRELATION	3.8608	3.8248	-0.036
43	0	CORRELATION	3.7402	3.6968	-0.0434
45	0	CORRELATION	3.8705	3.8352	-0.0353

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	3.7201	3.7979	3.8705	0.07876	3.6744	3.7578	3.8352	0.083977	-0.0457	-0.0401	-0.0353	0.0052313
20	3.6609	3.7429	3.8086	0.05074	3.7027	3.7807	3.8854	0.057097	-0.0031	0.03785	0.0768	0.021181
30	3.6475	3.7333	3.8103	0.045832	3.6805	3.7861	3.8575	0.05422	0.033	0.05281	0.0783	0.014431
50	3.6013	3.7083	3.8513	0.074361	3.681	3.8068	3.9799	0.095092	0.0642	0.09858	0.1405	0.025222

Device Test: 12.4 IOP|PWM/BOOT/10/8///0.5MHz/@I_OP_HS_PWM_500KHZ





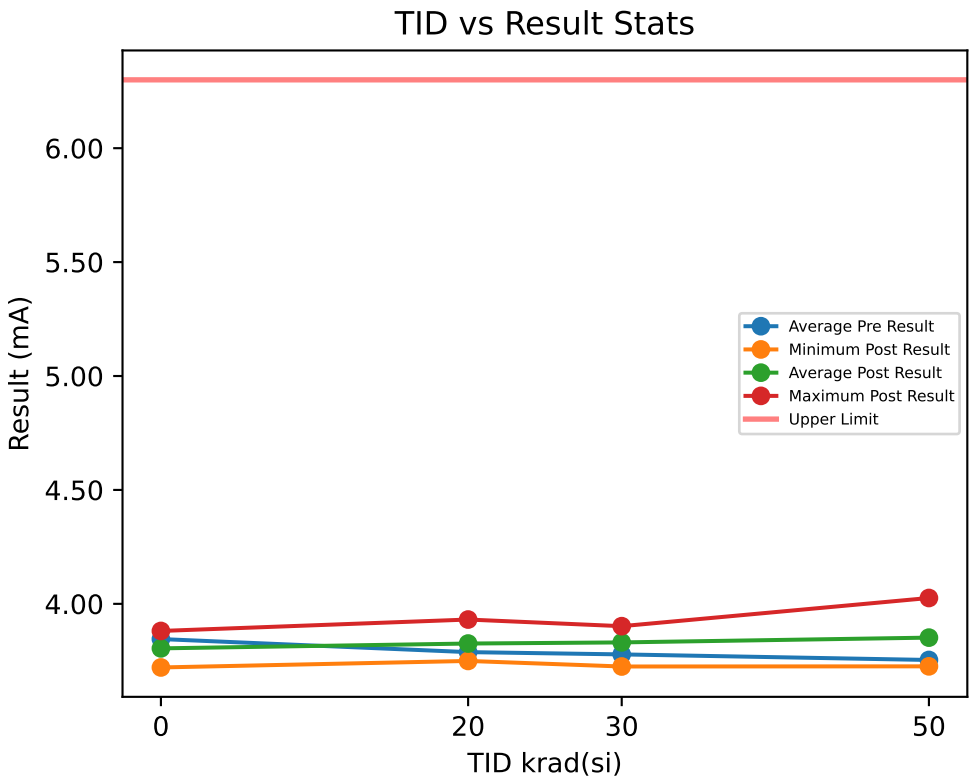
Test Results (Upper Limit = 12.0 (mA))

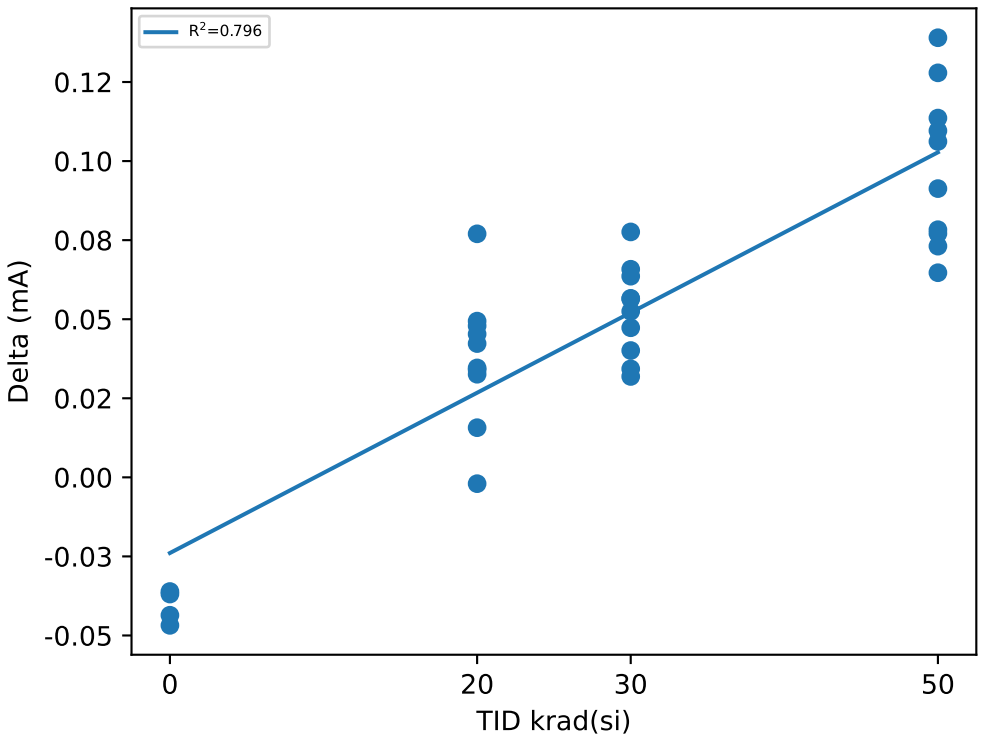
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	20	HDR BIAS	7.0674	7.0415	-0.0259
2	20	HDR BIAS	7.0423	7.0165	-0.0258
3	20	HDR BIAS	6.9638	6.9436	-0.0202
4	20	HDR BIAS	7.1012	7.1193	0.0181
5	20	HDR BIAS	6.9495	6.9465	-0.003
6	20	HDR UNBIAS	7.0212	7.0678	0.0466
7	20	HDR UNBIAS	7.1587	7.2539	0.0952
8	20	HDR UNBIAS	6.9879	7.0527	0.0648
9	20	HDR UNBIAS	6.9462	7.1259	0.1797
10	20	HDR UNBIAS	7.0059	7.1506	0.1447
11	30	HDR BIAS	6.9742	7.0195	0.0453
12	30	HDR BIAS	7.04	7.0561	0.0161
13	30	HDR BIAS	6.9783	6.9981	0.0198
14	30	HDR BIAS	7.0888	7.0842	-0.0046
15	30	HDR BIAS	7.0477	7.0642	0.0165
16	30	HDR UNBIAS	6.9866	7.0843	0.0977
17	30	HDR UNBIAS	6.8718	6.9385	0.0667
18	30	HDR UNBIAS	7.0101	7.112	0.1019
19	30	HDR UNBIAS	7.0685	7.1721	0.1036
20	30	HDR UNBIAS	6.9616	7.0608	0.0992
21	50	HDR BIAS	6.9773	7.0502	0.0729
22	50	HDR BIAS	6.998	7.0979	0.0999
23	50	HDR BIAS	7.088	7.2255	0.1375
24	50	HDR BIAS	7.2319	7.3432	0.1113
25	50	HDR BIAS	7.0057	7.1044	0.0987
26	50	HDR UNBIAS	6.9811	7.0827	0.1016
27	50	HDR UNBIAS	6.9724	7.2263	0.2539
28	50	HDR UNBIAS	6.9652	7.1579	0.1927
29	50	HDR UNBIAS	7.0639	7.1955	0.1316
30	50	HDR UNBIAS	6.909	7.017	0.108
41	0	CORRELATION	6.9237	6.8676	-0.0561
42	0	CORRELATION	7.1341	7.1626	0.0285
43	0	CORRELATION	7.0262	7.0444	0.0182
45	0	CORRELATION	7.1381	7.0842	-0.0539

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	6.9237	7.0555	7.1381	0.10203	6.8676	7.0397	7.1626	0.1248	-0.0561	-0.015825	0.0285	0.045439
20	6.9462	7.0244	7.1587	0.069271	6.9436	7.0718	7.2539	0.094895	-0.0259	0.04742	0.1797	0.073226
30	6.8718	7.0028	7.0888	0.062986	6.9385	7.059	7.1721	0.063861	-0.0046	0.05622	0.1036	0.042611
50	6.909	7.0192	7.2319	0.0901	7.017	7.1501	7.3432	0.098856	0.0729	0.13081	0.2539	0.053873

Device Test: 12.42 IQ|IIM_EN/BOOT/14/14///0MHz/@IQ_HS_IIM





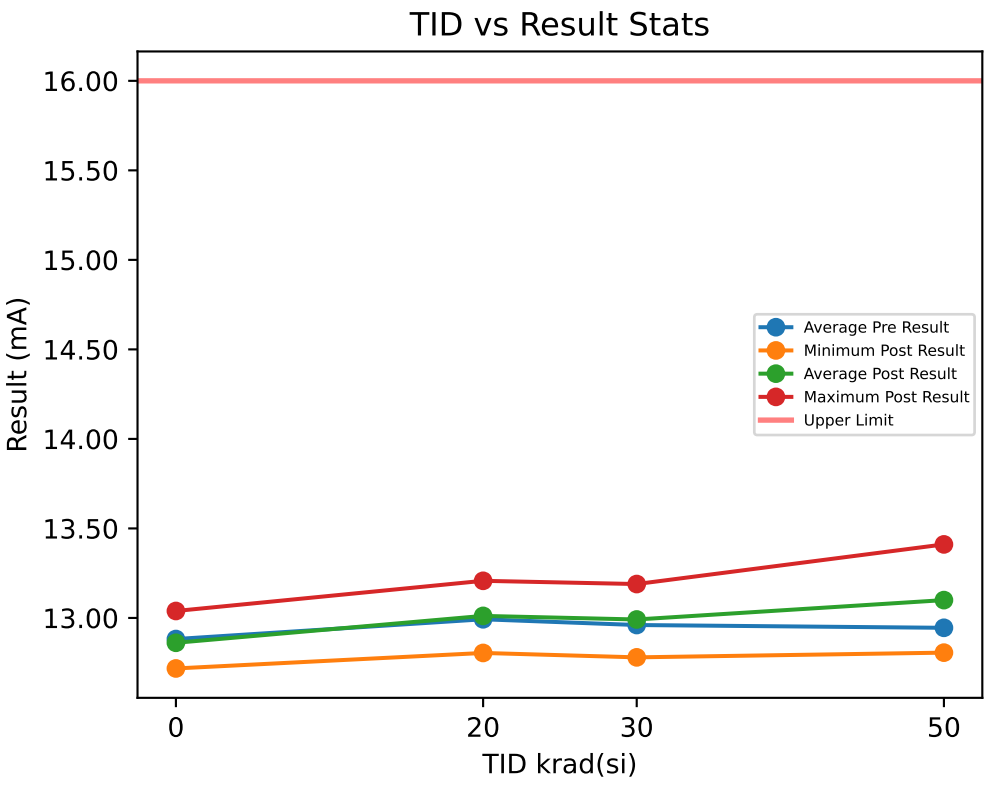
Test Results (Upper Limit = 6.3 (mA))

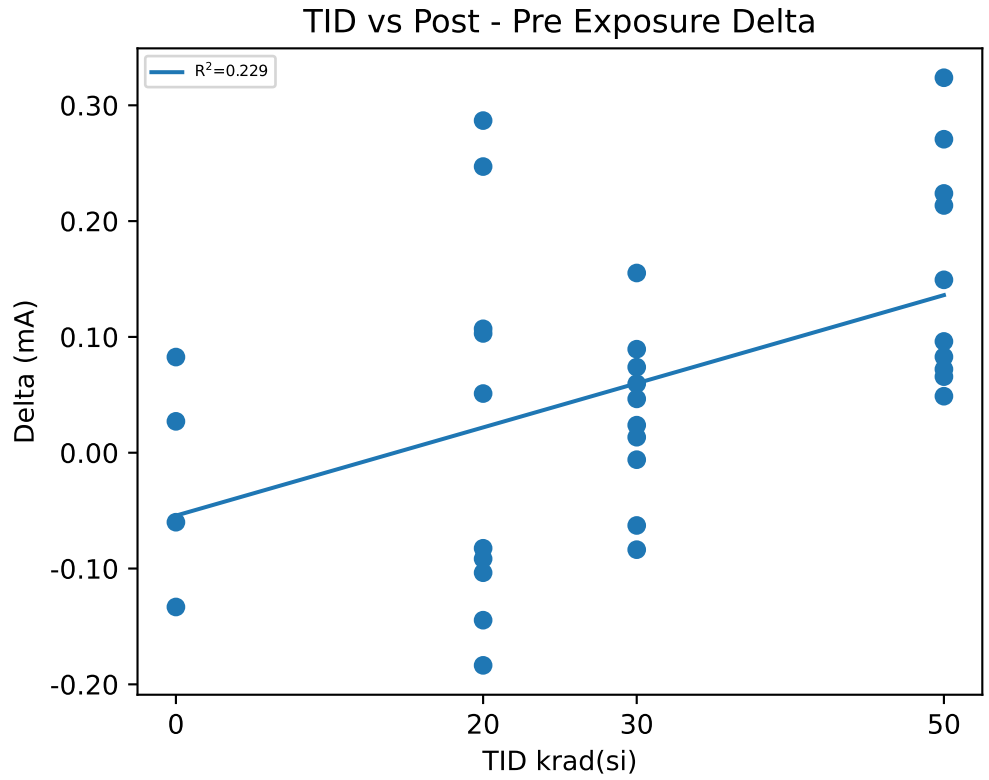
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	20	HDR BIAS	3.7615	3.8068	0.0453
2	20	HDR BIAS	3.8197	3.8354	0.0157
3	20	HDR BIAS	3.7071	3.7494	0.0423
4	20	HDR BIAS	3.8541	3.9311	0.077
5	20	HDR BIAS	3.7557	3.8051	0.0494
6	20	HDR UNBIAS	3.8031	3.8011	-0.002
7	20	HDR UNBIAS	3.8366	3.8845	0.0479
8	20	HDR UNBIAS	3.7565	3.7905	0.034
9	20	HDR UNBIAS	3.7395	3.7721	0.0326
10	20	HDR UNBIAS	3.8473	3.8819	0.0346
11	30	HDR BIAS	3.7999	3.8775	0.0776
12	30	HDR BIAS	3.7826	3.8484	0.0658
13	30	HDR BIAS	3.7948	3.8584	0.0636
14	30	HDR BIAS	3.7922	3.8323	0.0401
15	30	HDR BIAS	3.8547	3.902	0.0473
16	30	HDR UNBIAS	3.6931	3.725	0.0319
17	30	HDR UNBIAS	3.728	3.7623	0.0343
18	30	HDR UNBIAS	3.8155	3.8721	0.0566
19	30	HDR UNBIAS	3.7482	3.8007	0.0525
20	30	HDR UNBIAS	3.7723	3.8287	0.0564
21	50	HDR BIAS	3.6913	3.7644	0.0731
22	50	HDR BIAS	3.7655	3.8791	0.1136
23	50	HDR BIAS	3.8535	3.9925	0.139
24	50	HDR BIAS	3.8978	4.0257	0.1279
25	50	HDR BIAS	3.7091	3.8187	0.1096
26	50	HDR UNBIAS	3.7087	3.7734	0.0647
27	50	HDR UNBIAS	3.7463	3.8525	0.1062
28	50	HDR UNBIAS	3.7527	3.844	0.0913
29	50	HDR UNBIAS	3.7642	3.8413	0.0771
30	50	HDR UNBIAS	3.6474	3.7257	0.0783
41	0	CORRELATION	3.7676	3.7208	-0.0468
42	0	CORRELATION	3.9084	3.8723	-0.0361
43	0	CORRELATION	3.7879	3.7443	-0.0436
45	0	CORRELATION	3.9179	3.881	-0.0369

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	3.7676	3.8455	3.9179	0.078707	3.7208	3.8046	3.881	0.083823	-0.0468	-0.04085	-0.0361	0.0052003
20	3.7071	3.7881	3.8541	0.050679	3.7494	3.8258	3.9311	0.056901	-0.002	0.03768	0.077	0.021013
30	3.6931	3.7781	3.8547	0.045828	3.725	3.8307	3.902	0.054596	0.0319	0.05261	0.0776	0.014524
50	3.6474	3.7537	3.8978	0.074713	3.7257	3.8517	4.0257	0.095299	0.0647	0.09808	0.139	0.024986

Device Test: 12.5 IOP|PWM/VIN/10/8///1MHz/@I_OP_LS_PWM_1MHZ





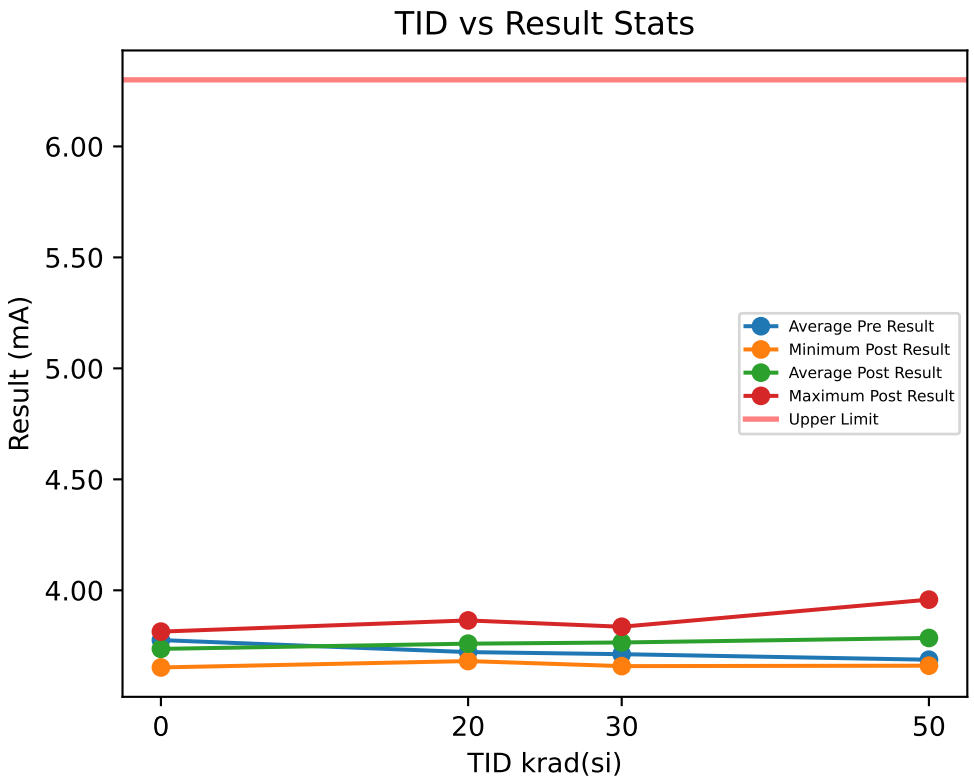
Test Results (Upper Limit = 16.0 (mA))

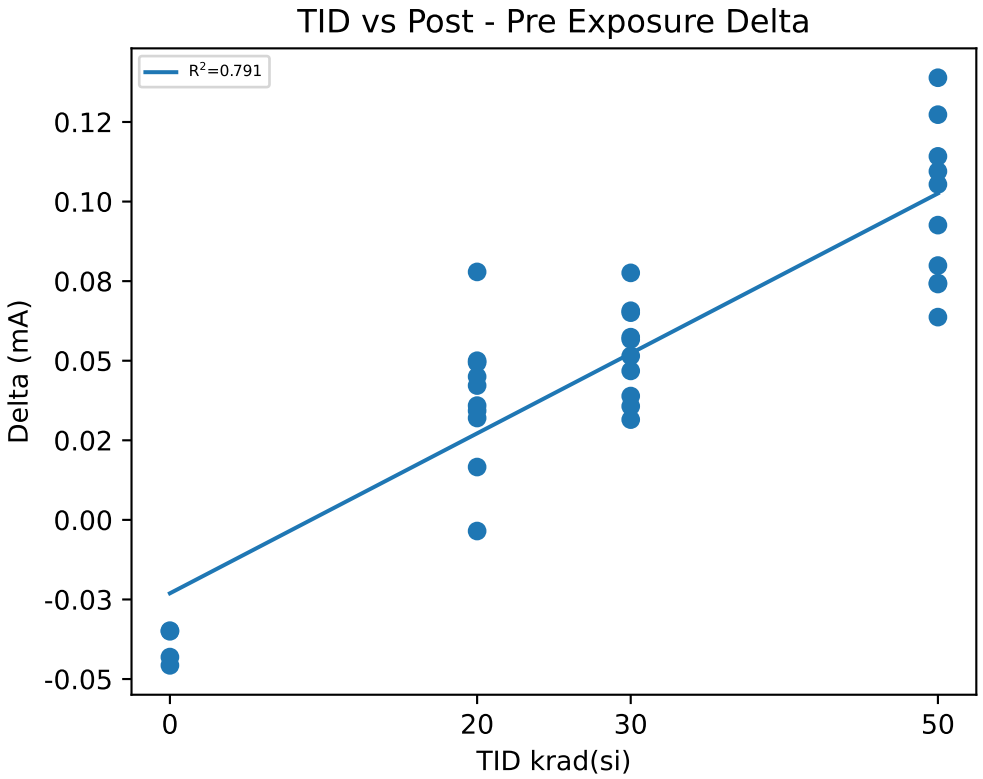
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	20	HDR BIAS	12.932	12.829	-0.1036
2	20	HDR BIAS	13.011	12.928	-0.0825
3	20	HDR BIAS	13.037	12.946	-0.0916
4	20	HDR BIAS	13.114	12.931	-0.1836
5	20	HDR BIAS	12.949	12.805	-0.1446
6	20	HDR UNBIAS	13.089	13.192	0.103
7	20	HDR UNBIAS	13.077	13.184	0.107
8	20	HDR UNBIAS	12.948	12.999	0.0511
9	20	HDR UNBIAS	12.807	13.094	0.2868
10	20	HDR UNBIAS	12.96	13.207	0.2471
11	30	HDR BIAS	13.063	13.057	-0.006
12	30	HDR BIAS	13.163	13.1	-0.0628
13	30	HDR BIAS	12.93	12.943	0.0134
14	30	HDR BIAS	12.826	12.85	0.0238
15	30	HDR BIAS	12.913	12.829	-0.0837
16	30	HDR UNBIAS	12.886	12.933	0.0465
17	30	HDR UNBIAS	12.93	13.085	0.1552
18	30	HDR UNBIAS	13.1	13.189	0.0894
19	30	HDR UNBIAS	12.706	12.78	0.0739
20	30	HDR UNBIAS	13.089	13.148	0.0596
21	50	HDR BIAS	13.095	13.167	0.0721
22	50	HDR BIAS	12.723	12.806	0.0828
23	50	HDR BIAS	13.008	13.104	0.0961
24	50	HDR BIAS	12.897	12.963	0.0657
25	50	HDR BIAS	12.779	12.828	0.0488
26	50	HDR UNBIAS	13.018	13.167	0.1493
27	50	HDR UNBIAS	12.928	13.251	0.3238
28	50	HDR UNBIAS	12.85	13.121	0.2707
29	50	HDR UNBIAS	12.955	13.179	0.2239
30	50	HDR UNBIAS	13.197	13.411	0.2135
41	0	CORRELATION	13.172	13.039	-0.1332
42	0	CORRELATION	12.635	12.718	0.0826
43	0	CORRELATION	12.832	12.859	0.0271
45	0	CORRELATION	12.89	12.83	-0.06

Test Statistics (mA)

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	12.635	12.882	13.172	0.22183	12.718	12.861	13.039	0.13305	-0.1332	-0.020875	0.0826	0.095143
20	12.807	12.993	13.114	0.092154	12.805	13.011	13.207	0.14962	-0.1836	0.01891	0.2868	0.16498
30	12.706	12.961	13.163	0.14133	12.78	12.991	13.189	0.14358	-0.0837	0.03093	0.1552	0.07104
50	12.723	12.945	13.197	0.14277	12.806	13.1	13.411	0.18683	0.0488	0.15467	0.3238	0.097119

Device Test: 12.50 IQ|IIM_DIS/BOOT/10/8///0MHz/@IQ_HS_IIM





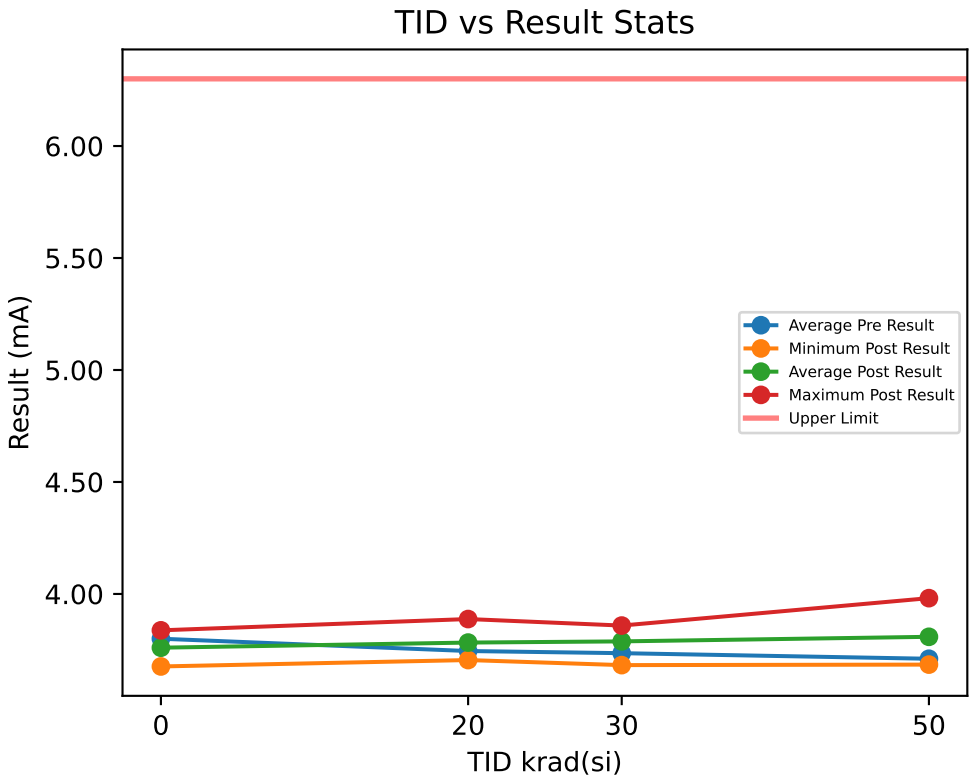
Test Results (Upper Limit = 6.3 (mA))

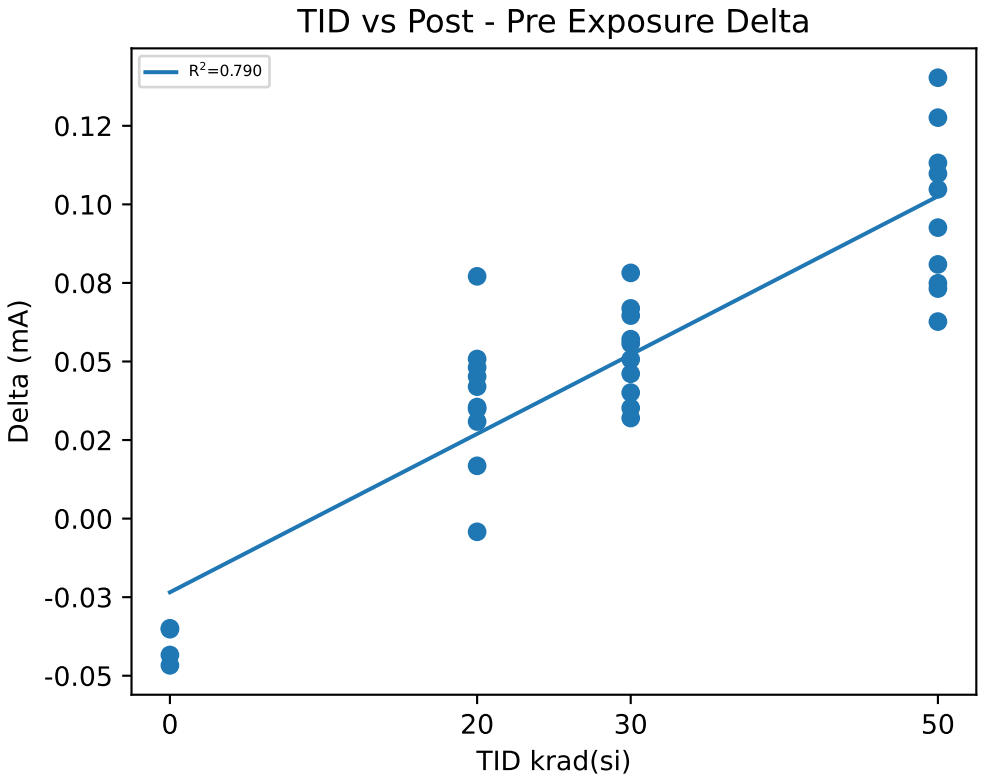
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	20	HDR BIAS	3.6957	3.7407	0.045
2	20	HDR BIAS	3.7539	3.7705	0.0166
3	20	HDR BIAS	3.639	3.6812	0.0422
4	20	HDR BIAS	3.7864	3.8643	0.0779
5	20	HDR BIAS	3.6898	3.7398	0.05
6	20	HDR UNBIAS	3.7369	3.7334	-0.0035
7	20	HDR UNBIAS	3.7721	3.8215	0.0494
8	20	HDR UNBIAS	3.6893	3.7236	0.0343
9	20	HDR UNBIAS	3.6733	3.7053	0.032
10	20	HDR UNBIAS	3.7794	3.8153	0.0359
11	30	HDR BIAS	3.7351	3.8127	0.0776
12	30	HDR BIAS	3.7166	3.7823	0.0657
13	30	HDR BIAS	3.7262	3.7913	0.0651
14	30	HDR BIAS	3.7274	3.7663	0.0389
15	30	HDR BIAS	3.789	3.8358	0.0468
16	30	HDR UNBIAS	3.6269	3.6584	0.0315
17	30	HDR UNBIAS	3.6619	3.6976	0.0357
18	30	HDR UNBIAS	3.7488	3.8062	0.0574
19	30	HDR UNBIAS	3.6836	3.7351	0.0515
20	30	HDR UNBIAS	3.707	3.7637	0.0567
21	50	HDR BIAS	3.6238	3.6979	0.0741
22	50	HDR BIAS	3.7004	3.8146	0.1142
23	50	HDR BIAS	3.7859	3.9248	0.1389
24	50	HDR BIAS	3.8307	3.958	0.1273
25	50	HDR BIAS	3.6425	3.752	0.1095
26	50	HDR UNBIAS	3.6441	3.7078	0.0637
27	50	HDR UNBIAS	3.6808	3.7862	0.1054
28	50	HDR UNBIAS	3.6862	3.7788	0.0926
29	50	HDR UNBIAS	3.6972	3.7716	0.0744
30	50	HDR UNBIAS	3.5805	3.6604	0.0799
41	0	CORRELATION	3.6981	3.6524	-0.0457
42	0	CORRELATION	3.8382	3.8032	-0.035
43	0	CORRELATION	3.718	3.6749	-0.0431
45	0	CORRELATION	3.8487	3.8139	-0.0348

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	3.6981	3.7757	3.8487	0.078711	3.6524	3.7361	3.8139	0.084274	-0.0457	-0.03965	-0.0348	0.0055872
20	3.639	3.7216	3.7864	0.050825	3.6812	3.7596	3.8643	0.057583	-0.0035	0.03798	0.0779	0.021517
30	3.6269	3.7123	3.789	0.045777	3.6584	3.7649	3.8358	0.054549	0.0315	0.05269	0.0776	0.014704
50	3.5805	3.6872	3.8307	0.074469	3.6604	3.7852	3.958	0.094709	0.0637	0.098	0.1389	0.025038

Device Test: 12.58 IQ|IIM_DIS/BOOT/12/10///0MHz/@IQ_HS_IIM





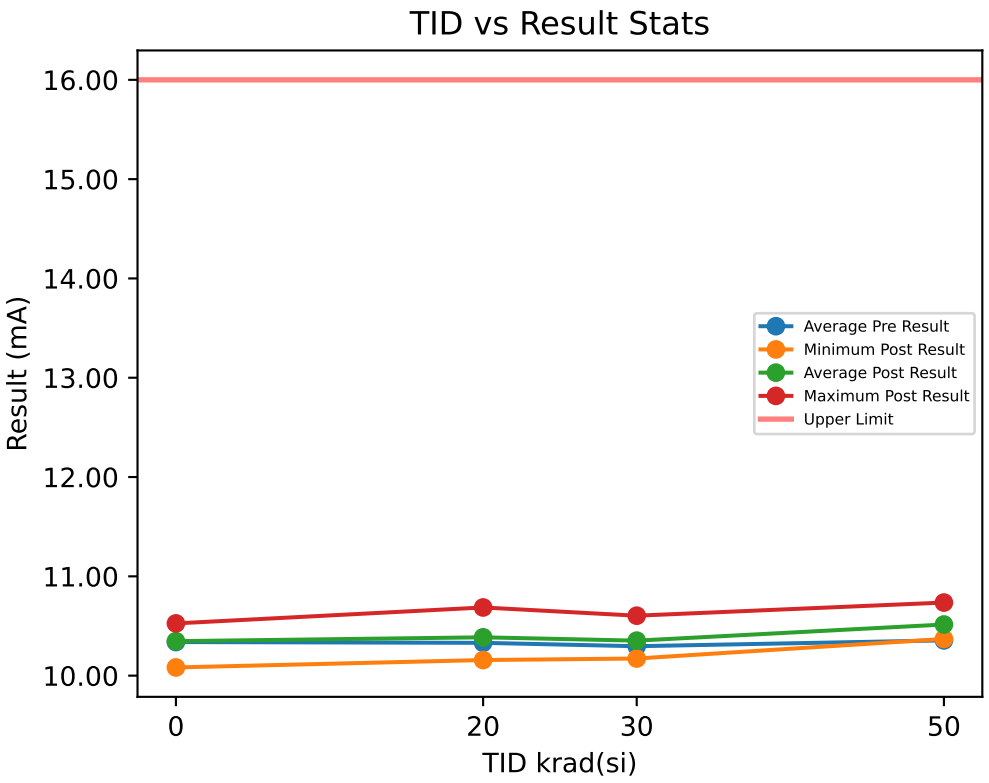
Test Results (Upper Limit = 6.3 (mA))

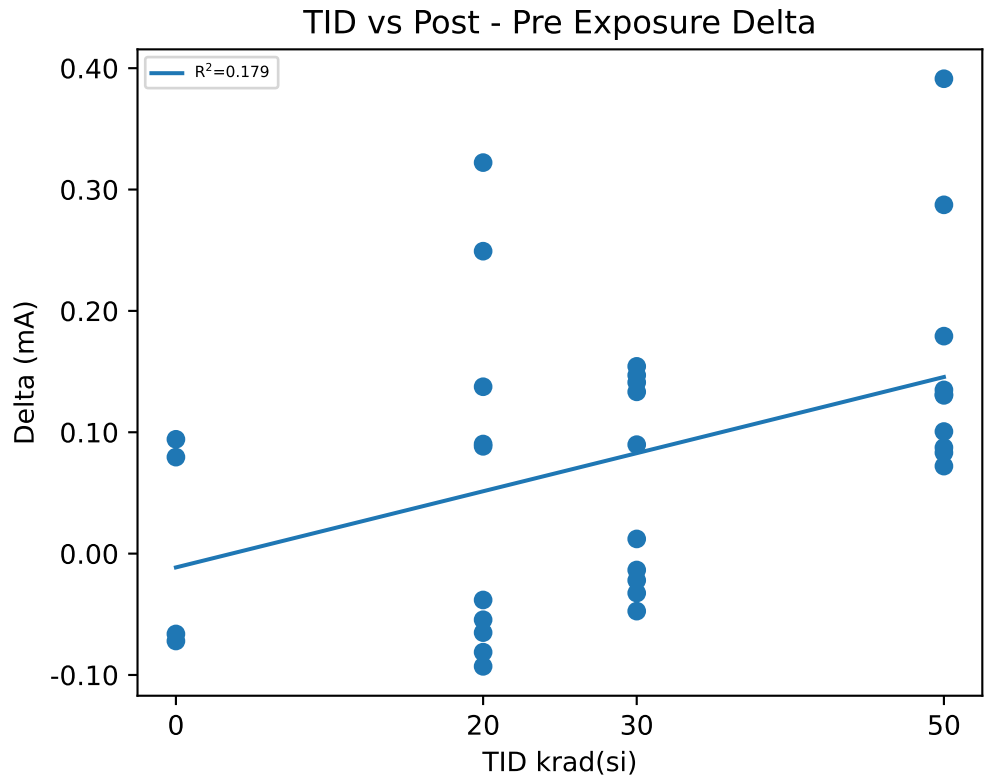
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	20	HDR BIAS	3.7188	3.764	0.0452
2	20	HDR BIAS	3.7767	3.7935	0.0168
3	20	HDR BIAS	3.6629	3.7049	0.042
4	20	HDR BIAS	3.8109	3.888	0.0771
5	20	HDR BIAS	3.7134	3.7642	0.0508
6	20	HDR UNBIAS	3.7603	3.7561	-0.0042
7	20	HDR UNBIAS	3.7953	3.8434	0.0481
8	20	HDR UNBIAS	3.7129	3.7478	0.0349
9	20	HDR UNBIAS	3.6973	3.7282	0.0309
10	20	HDR UNBIAS	3.8037	3.8392	0.0355
11	30	HDR BIAS	3.7573	3.8355	0.0782
12	30	HDR BIAS	3.74	3.8069	0.0669
13	30	HDR BIAS	3.7506	3.8152	0.0646
14	30	HDR BIAS	3.75	3.7901	0.0401
15	30	HDR BIAS	3.8128	3.8589	0.0461
16	30	HDR UNBIAS	3.6503	3.6823	0.032
17	30	HDR UNBIAS	3.6853	3.7205	0.0352
18	30	HDR UNBIAS	3.7726	3.8283	0.0557
19	30	HDR UNBIAS	3.707	3.7577	0.0507
20	30	HDR UNBIAS	3.7301	3.7872	0.0571
21	50	HDR BIAS	3.648	3.7212	0.0732
22	50	HDR BIAS	3.7238	3.837	0.1132
23	50	HDR BIAS	3.8097	3.95	0.1403
24	50	HDR BIAS	3.8537	3.9813	0.1276
25	50	HDR BIAS	3.6666	3.7764	0.1098
26	50	HDR UNBIAS	3.6671	3.7298	0.0627
27	50	HDR UNBIAS	3.7038	3.8086	0.1048
28	50	HDR UNBIAS	3.7093	3.8019	0.0926
29	50	HDR UNBIAS	3.721	3.7959	0.0749
30	50	HDR UNBIAS	3.6037	3.6846	0.0809
41	0	CORRELATION	3.723	3.6763	-0.0467
42	0	CORRELATION	3.8621	3.8272	-0.0349
43	0	CORRELATION	3.7427	3.6993	-0.0434
45	0	CORRELATION	3.8728	3.8376	-0.0352

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	3.723	3.8001	3.8728	0.078248	3.6763	3.7601	3.8376	0.084118	-0.0467	-0.04005	-0.0349	0.0059299
20	3.6629	3.7452	3.8109	0.050868	3.7049	3.7829	3.888	0.057466	-0.0042	0.03771	0.0771	0.021495
30	3.6503	3.7356	3.8128	0.045833	3.6823	3.7883	3.8589	0.054422	0.032	0.05266	0.0782	0.014768
50	3.6037	3.7107	3.8537	0.074389	3.6846	3.8087	3.9813	0.094923	0.0627	0.098	0.1403	0.025382

Device Test: 12.6 IOP|PWM/BOOT/10/8///1MHz/@I_OP_HS_PWM_1MHZ





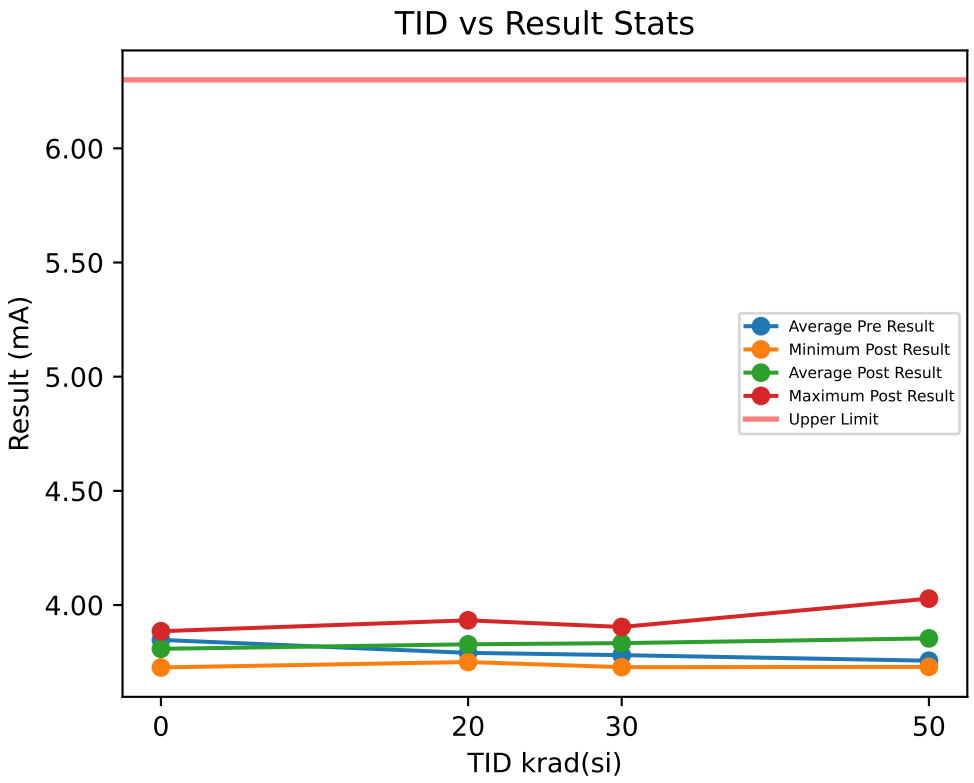
Test Results (Upper Limit = 16.0 (mA))

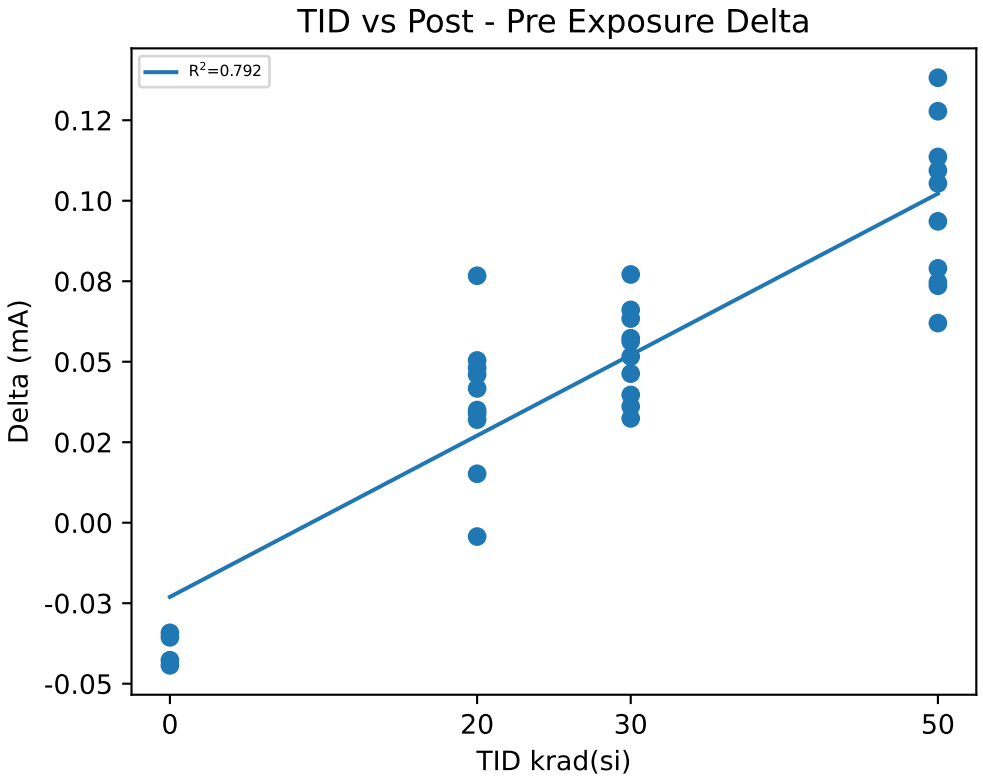
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	20	HDR BIAS	10.444	10.351	-0.0929
2	20	HDR BIAS	10.33	10.265	-0.0651
3	20	HDR BIAS	10.292	10.211	-0.0812
4	20	HDR BIAS	10.42	10.381	-0.0382
5	20	HDR BIAS	10.212	10.157	-0.0545
6	20	HDR UNBIAS	10.307	10.398	0.0903
7	20	HDR UNBIAS	10.549	10.687	0.1375
8	20	HDR UNBIAS	10.287	10.375	0.0884
9	20	HDR UNBIAS	10.226	10.548	0.3222
10	20	HDR UNBIAS	10.238	10.487	0.2492
11	30	HDR BIAS	10.217	10.229	0.0121
12	30	HDR BIAS	10.367	10.335	-0.0325
13	30	HDR BIAS	10.23	10.208	-0.022
14	30	HDR BIAS	10.454	10.407	-0.0474
15	30	HDR BIAS	10.309	10.295	-0.0135
16	30	HDR UNBIAS	10.354	10.508	0.1543
17	30	HDR UNBIAS	10.082	10.172	0.0898
18	30	HDR UNBIAS	10.273	10.414	0.1411
19	30	HDR UNBIAS	10.457	10.604	0.147
20	30	HDR UNBIAS	10.22	10.353	0.1333
21	50	HDR BIAS	10.334	10.406	0.0721
22	50	HDR BIAS	10.302	10.385	0.0832
23	50	HDR BIAS	10.395	10.53	0.1349
24	50	HDR BIAS	10.635	10.736	0.1006
25	50	HDR BIAS	10.376	10.464	0.0874
26	50	HDR UNBIAS	10.322	10.452	0.1304
27	50	HDR UNBIAS	10.269	10.66	0.3913
28	50	HDR UNBIAS	10.246	10.533	0.2874
29	50	HDR UNBIAS	10.433	10.613	0.1792
30	50	HDR UNBIAS	10.238	10.37	0.1312
41	0	CORRELATION	10.149	10.082	-0.0662
42	0	CORRELATION	10.432	10.526	0.0942
43	0	CORRELATION	10.341	10.421	0.0795
45	0	CORRELATION	10.432	10.36	-0.072

Test Statistics (mA)

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	10.149	10.338	10.432	0.13347	10.082	10.347	10.526	0.18941	-0.072	0.008875	0.0942	0.090269
20	10.212	10.33	10.549	0.10862	10.157	10.386	10.687	0.15841	-0.0929	0.05557	0.3222	0.14674
30	10.082	10.296	10.457	0.11641	10.172	10.352	10.604	0.13585	-0.0474	0.05622	0.1543	0.084109
50	10.238	10.355	10.635	0.11745	10.37	10.515	10.736	0.12313	0.0721	0.15977	0.3913	0.10266

Device Test: 12.66 IQ|IIM_DIS/BOOT/14/14///0MHz/@IQ_HS_IIM





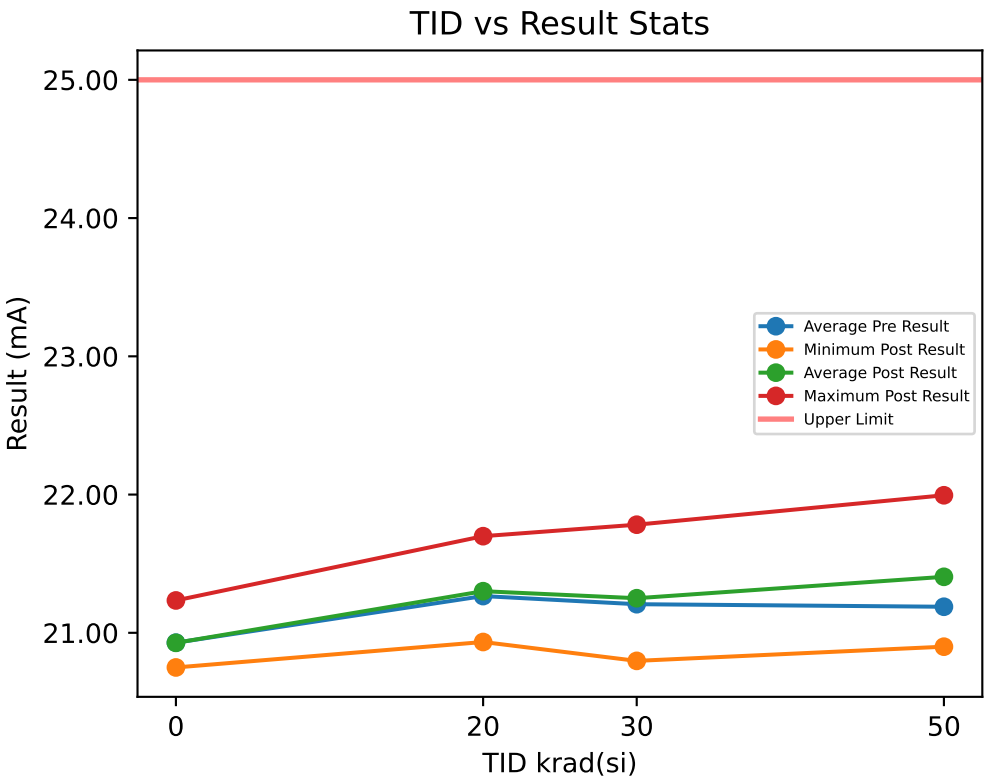
Test Results (Upper Limit = 6.3 (mA))

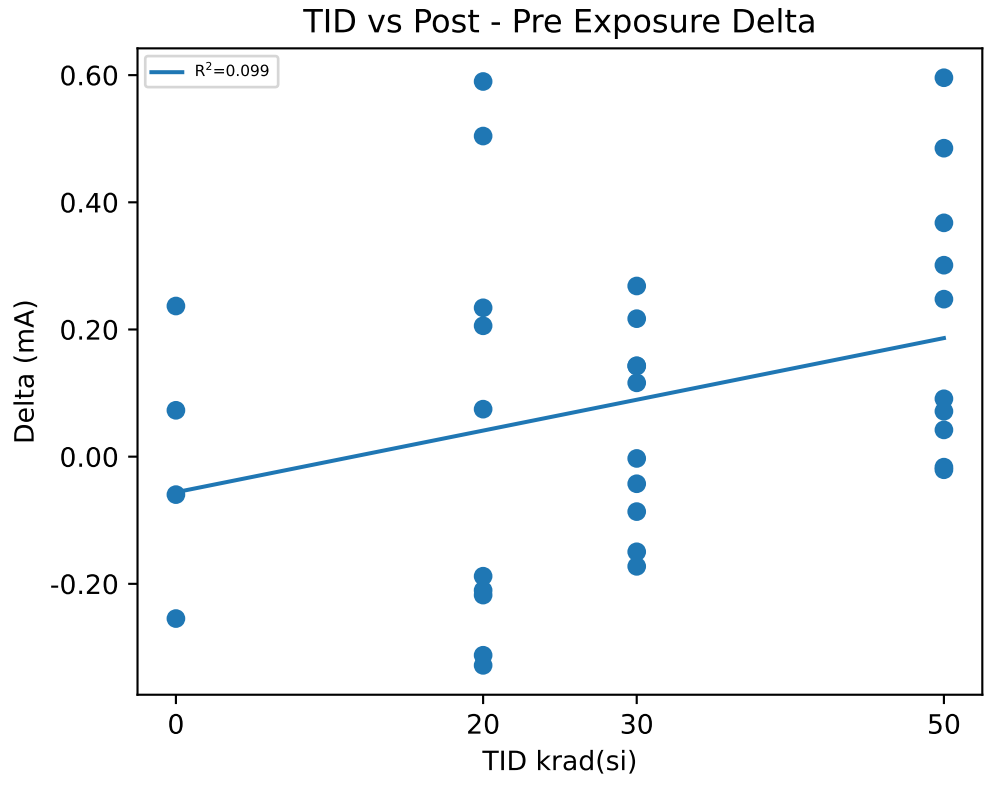
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	20	HDR BIAS	3.7632	3.8092	0.046
2	20	HDR BIAS	3.8228	3.838	0.0152
3	20	HDR BIAS	3.7087	3.7504	0.0417
4	20	HDR BIAS	3.8564	3.9331	0.0767
5	20	HDR BIAS	3.7579	3.8083	0.0504
6	20	HDR UNBIAS	3.8064	3.8021	-0.0043
7	20	HDR UNBIAS	3.8396	3.8877	0.0481
8	20	HDR UNBIAS	3.7586	3.7926	0.034
9	20	HDR UNBIAS	3.7416	3.7736	0.032
10	20	HDR UNBIAS	3.8497	3.8847	0.035
11	30	HDR BIAS	3.8023	3.8794	0.0771
12	30	HDR BIAS	3.7856	3.8517	0.0661
13	30	HDR BIAS	3.7963	3.8597	0.0634
14	30	HDR BIAS	3.7947	3.8344	0.0397
15	30	HDR BIAS	3.8576	3.9039	0.0463
16	30	HDR UNBIAS	3.6954	3.7278	0.0324
17	30	HDR UNBIAS	3.7298	3.7659	0.0361
18	30	HDR UNBIAS	3.818	3.8743	0.0563
19	30	HDR UNBIAS	3.7509	3.8025	0.0516
20	30	HDR UNBIAS	3.7747	3.832	0.0573
21	50	HDR BIAS	3.6929	3.7665	0.0736
22	50	HDR BIAS	3.7683	3.8819	0.1136
23	50	HDR BIAS	3.8562	3.9944	0.1382
24	50	HDR BIAS	3.9002	4.028	0.1278
25	50	HDR BIAS	3.7121	3.8215	0.1094
26	50	HDR UNBIAS	3.7115	3.7735	0.062
27	50	HDR UNBIAS	3.7486	3.854	0.1054
28	50	HDR UNBIAS	3.7544	3.848	0.0936
29	50	HDR UNBIAS	3.7674	3.8421	0.0747
30	50	HDR UNBIAS	3.65	3.729	0.079
41	0	CORRELATION	3.7693	3.7266	-0.0427
42	0	CORRELATION	3.9102	3.8746	-0.0356
43	0	CORRELATION	3.7905	3.7462	-0.0443
45	0	CORRELATION	3.9195	3.8853	-0.0342

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	3.7693	3.8474	3.9195	0.078485	3.7266	3.8082	3.8853	0.083379	-0.0443	-0.0392	-0.0342	0.0050405
20	3.7087	3.7905	3.8564	0.051058	3.7504	3.828	3.9331	0.057321	-0.0043	0.03748	0.0767	0.021599
30	3.6954	3.7805	3.8576	0.045978	3.7278	3.8332	3.9039	0.054212	0.0324	0.05263	0.0771	0.014229
50	3.65	3.7562	3.9002	0.074757	3.729	3.8539	4.028	0.095313	0.062	0.09773	0.1382	0.025268

Device Test: 12.7 IOP|PWM/VIN/10/8///2MHz/@I_OP_LS_PWM_2MHZ





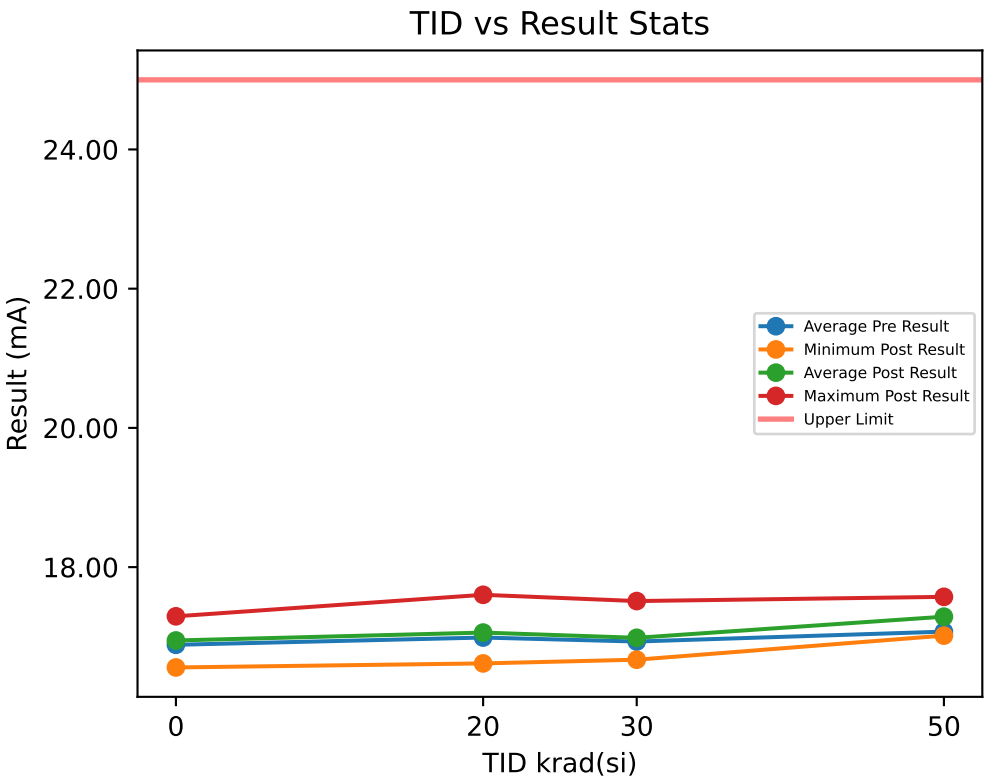
Test Results (Upper Limit = 25.0 (mA))

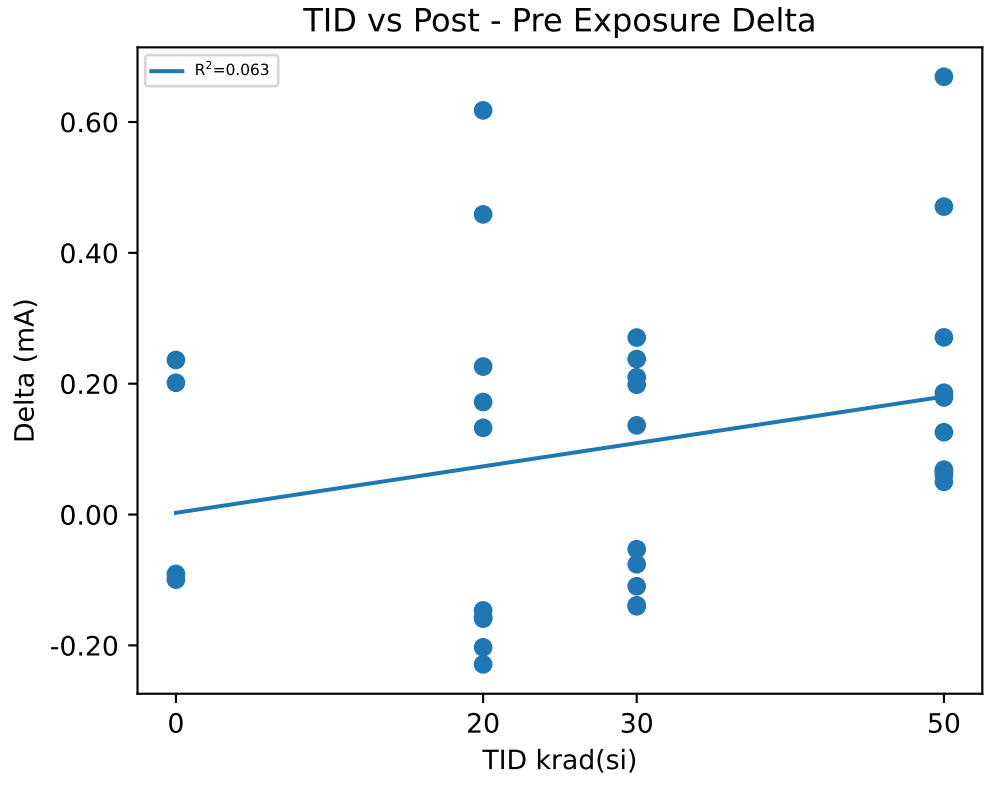
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	20	HDR BIAS	21.153	20.943	-0.2102
2	20	HDR BIAS	21.28	21.092	-0.188
3	20	HDR BIAS	21.322	21.104	-0.2177
4	20	HDR BIAS	21.651	21.323	-0.3282
5	20	HDR BIAS	21.246	20.933	-0.3123
6	20	HDR UNBIAS	21.493	21.699	0.2058
7	20	HDR UNBIAS	21.386	21.62	0.2341
8	20	HDR UNBIAS	21.097	21.172	0.0747
9	20	HDR UNBIAS	20.913	21.503	0.59
10	20	HDR UNBIAS	21.117	21.621	0.5042
11	30	HDR BIAS	21.326	21.239	-0.0864
12	30	HDR BIAS	21.616	21.466	-0.1496
13	30	HDR BIAS	21.023	20.981	-0.0426
14	30	HDR BIAS	20.906	20.904	-0.0028
15	30	HDR BIAS	21.185	21.012	-0.1725
16	30	HDR UNBIAS	21.073	21.216	0.143
17	30	HDR UNBIAS	21.177	21.445	0.2684
18	30	HDR UNBIAS	21.517	21.659	0.1425
19	30	HDR UNBIAS	20.681	20.797	0.1161
20	30	HDR UNBIAS	21.565	21.782	0.217
21	50	HDR BIAS	21.466	21.537	0.0714
22	50	HDR BIAS	21.067	21.046	-0.0206
23	50	HDR BIAS	21.1	21.191	0.091
24	50	HDR BIAS	21.027	21.069	0.0421
25	50	HDR BIAS	20.916	20.9	-0.0165
26	50	HDR UNBIAS	21.436	21.683	0.2477
27	50	HDR UNBIAS	21.047	21.643	0.5959
28	50	HDR UNBIAS	20.977	21.462	0.4851
29	50	HDR UNBIAS	21.223	21.524	0.3011
30	50	HDR UNBIAS	21.627	21.995	0.3677
41	0	CORRELATION	21.489	21.234	-0.2546
42	0	CORRELATION	20.512	20.749	0.2369
43	0	CORRELATION	20.763	20.835	0.0729
45	0	CORRELATION	20.951	20.891	-0.0597

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	20.512	20.929	21.489	0.41428	20.749	20.928	21.234	0.21254	-0.2546	-0.001125	0.2369	0.20802
20	20.913	21.266	21.651	0.21246	20.933	21.301	21.699	0.29191	-0.3282	0.03524	0.59	0.33744
30	20.681	21.207	21.616	0.30286	20.797	21.25	21.782	0.33179	-0.1725	0.04331	0.2684	0.15493
50	20.916	21.189	21.627	0.24019	20.9	21.405	21.995	0.34313	-0.0206	0.21649	0.5959	0.21726

Device Test: 12.8 IOP|PWM/BOOT/10/8///2MHz/@I_OP_HS_PWM_2MHZ





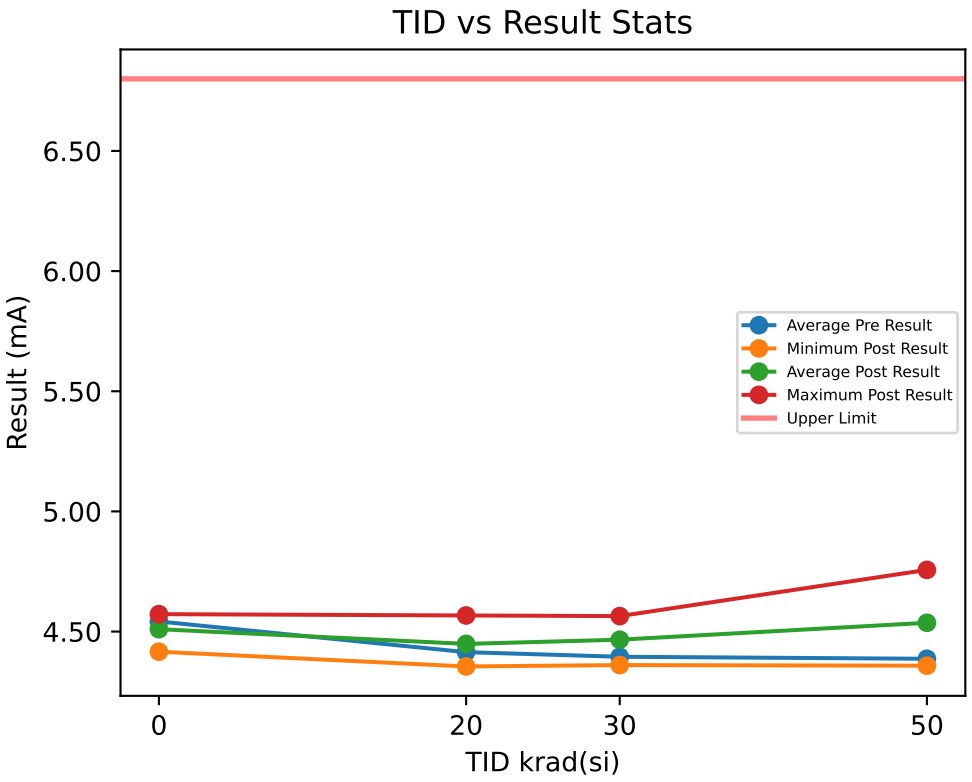
Test Results (Upper Limit = 25.0 (mA))

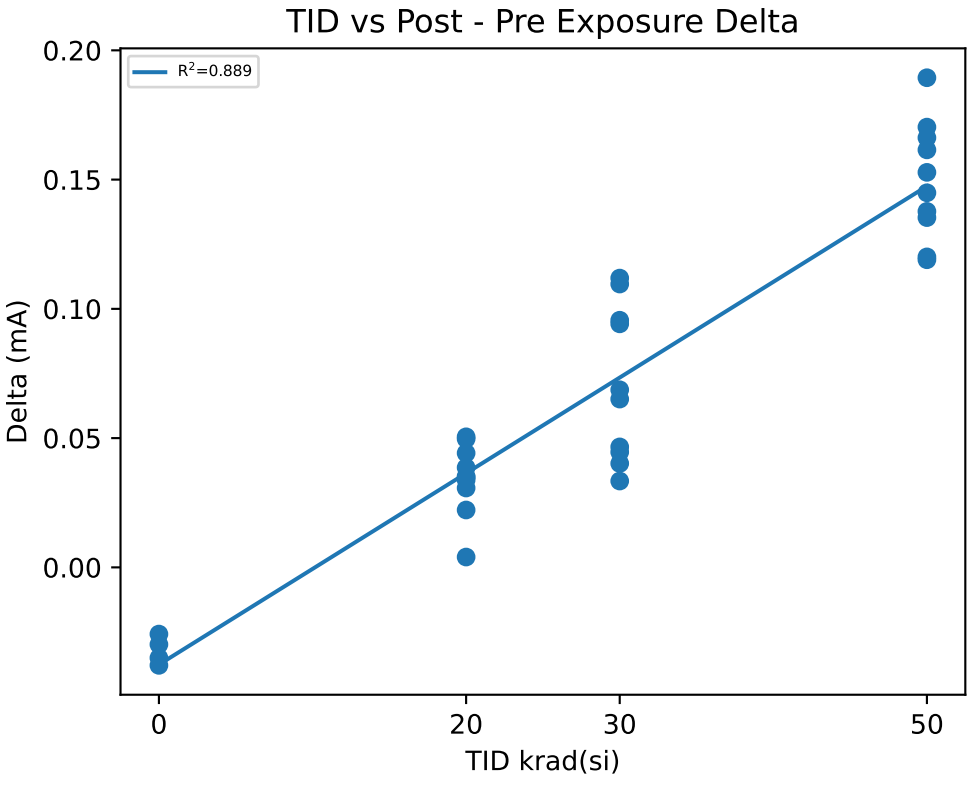
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	20	HDR BIAS	17.238	17.009	-0.229
2	20	HDR BIAS	16.953	16.806	-0.1465
3	20	HDR BIAS	16.986	16.783	-0.203
4	20	HDR BIAS	17.11	16.953	-0.1567
5	20	HDR BIAS	16.776	16.617	-0.1592
6	20	HDR UNBIAS	16.93	17.102	0.172
7	20	HDR UNBIAS	17.376	17.602	0.2262
8	20	HDR UNBIAS	16.937	17.069	0.1325
9	20	HDR UNBIAS	16.822	17.44	0.6178
10	20	HDR UNBIAS	16.756	17.215	0.4588
11	30	HDR BIAS	16.741	16.688	-0.053
12	30	HDR BIAS	17.086	16.947	-0.1388
13	30	HDR BIAS	16.78	16.67	-0.1096
14	30	HDR BIAS	17.238	17.098	-0.1402
15	30	HDR BIAS	16.872	16.796	-0.076
16	30	HDR UNBIAS	17.137	17.407	0.2705
17	30	HDR UNBIAS	16.549	16.685	0.1363
18	30	HDR UNBIAS	16.849	17.059	0.2098
19	30	HDR UNBIAS	17.275	17.513	0.2377
20	30	HDR UNBIAS	16.785	16.984	0.1985
21	50	HDR BIAS	17.084	17.153	0.0686
22	50	HDR BIAS	16.966	17.016	0.05
23	50	HDR BIAS	17.044	17.17	0.1258
24	50	HDR BIAS	17.498	17.563	0.0658
25	50	HDR BIAS	17.153	17.214	0.0605
26	50	HDR UNBIAS	17.058	17.244	0.1862
27	50	HDR UNBIAS	16.904	17.573	0.6692
28	50	HDR UNBIAS	16.859	17.33	0.4707
29	50	HDR UNBIAS	17.215	17.486	0.2708
30	50	HDR UNBIAS	16.952	17.131	0.1789
41	0	CORRELATION	16.649	16.559	-0.0908
42	0	CORRELATION	17.057	17.293	0.2363
43	0	CORRELATION	16.774	16.975	0.2014
45	0	CORRELATION	17.057	16.958	-0.0995

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	16.649	16.884	17.057	0.20581	16.559	16.946	17.293	0.30088	-0.0995	0.06185	0.2363	0.18188
20	16.756	16.988	17.376	0.20042	16.617	17.06	17.602	0.30108	-0.229	0.07129	0.6178	0.29901
30	16.549	16.931	17.275	0.23936	16.67	16.985	17.513	0.2962	-0.1402	0.05352	0.2705	0.1708
50	16.859	17.073	17.498	0.18511	17.016	17.288	17.573	0.19327	0.05	0.21465	0.6692	0.20539

Device Test: 12.9 IQ|PWM/VIN/12/10///0MHz/@IQ_LS_PWM





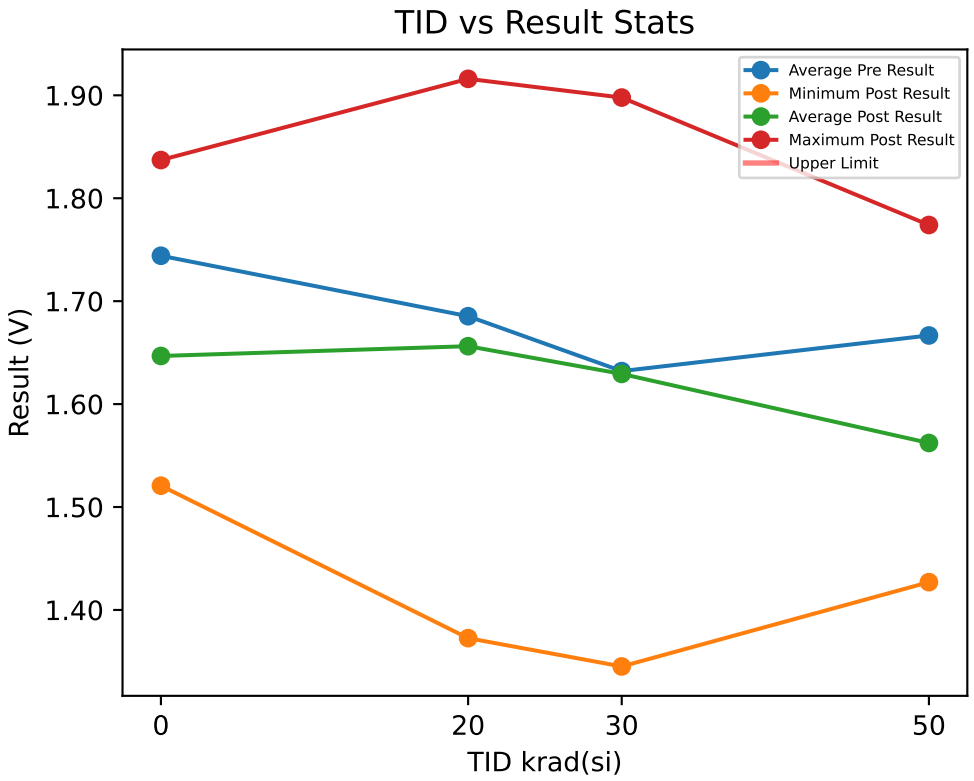
Test Results (Upper Limit = 6.8 (mA))

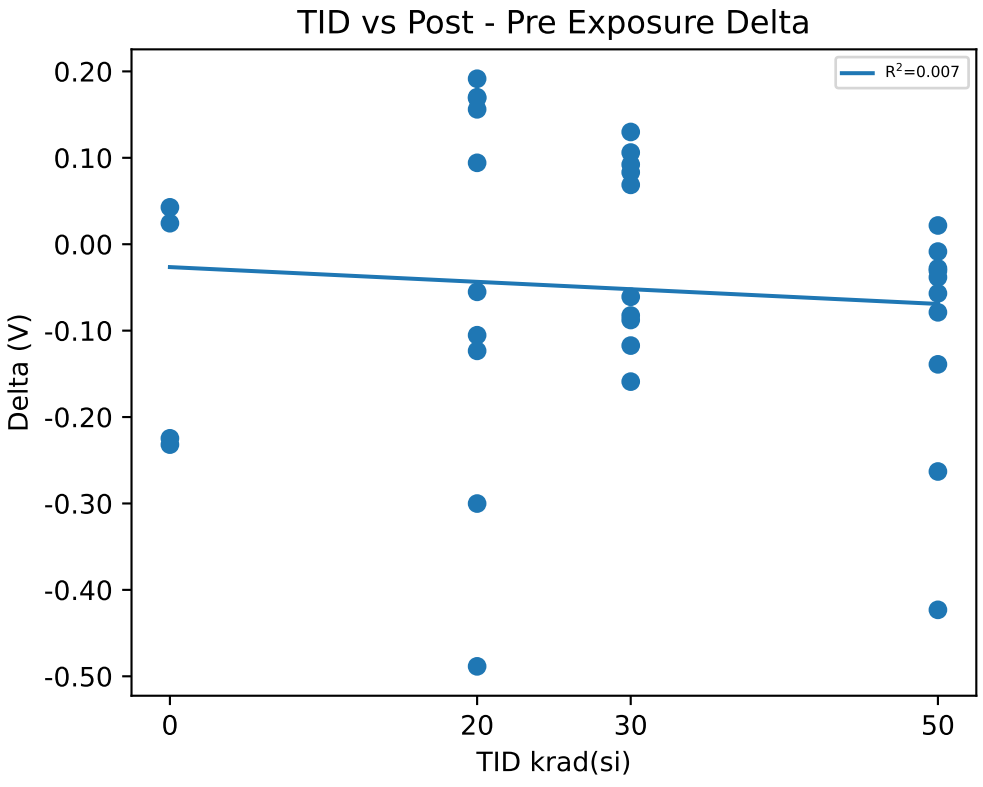
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	20	HDR BIAS	4.3558	4.3865	0.0307
2	20	HDR BIAS	4.4152	4.4594	0.0442
3	20	HDR BIAS	4.462	4.5125	0.0505
4	20	HDR BIAS	4.3508	4.3548	0.004
5	20	HDR BIAS	4.3764	4.4102	0.0338
6	20	HDR UNBIAS	4.3821	4.4318	0.0497
7	20	HDR UNBIAS	4.403	4.4252	0.0222
8	20	HDR UNBIAS	4.4786	4.5172	0.0386
9	20	HDR UNBIAS	4.387	4.4222	0.0352
10	20	HDR UNBIAS	4.5322	4.567	0.0348
11	30	HDR BIAS	4.3993	4.5089	0.1096
12	30	HDR BIAS	4.4542	4.5008	0.0466
13	30	HDR BIAS	4.4524	4.5643	0.1119
14	30	HDR BIAS	4.4042	4.4998	0.0956
15	30	HDR BIAS	4.3159	4.3605	0.0446
16	30	HDR UNBIAS	4.3672	4.4006	0.0334
17	30	HDR UNBIAS	4.3081	4.4023	0.0942
18	30	HDR UNBIAS	4.4195	4.4846	0.0651
19	30	HDR UNBIAS	4.4159	4.4846	0.0687
20	30	HDR UNBIAS	4.4149	4.4551	0.0402
21	50	HDR BIAS	4.3066	4.4515	0.1449
22	50	HDR BIAS	4.1918	4.358	0.1662
23	50	HDR BIAS	4.5863	4.7566	0.1703
24	50	HDR BIAS	4.4984	4.6512	0.1528
25	50	HDR BIAS	4.3693	4.5308	0.1615
26	50	HDR UNBIAS	4.3393	4.4583	0.119
27	50	HDR UNBIAS	4.4806	4.6183	0.1377
28	50	HDR UNBIAS	4.3369	4.457	0.1201
29	50	HDR UNBIAS	4.3801	4.5695	0.1894
30	50	HDR UNBIAS	4.3782	4.5135	0.1353
41	0	CORRELATION	4.6023	4.5725	-0.0298
42	0	CORRELATION	4.4541	4.4162	-0.0379
43	0	CORRELATION	4.5852	4.5594	-0.0258
45	0	CORRELATION	4.5265	4.4915	-0.035

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	4.4541	4.542	4.6023	0.067005	4.4162	4.5099	4.5725	0.07185	-0.0379	-0.032125	-0.0258	0.005386
20	4.3508	4.4143	4.5322	0.058795	4.3548	4.4487	4.567	0.065473	0.004	0.03437	0.0505	0.013723
30	4.3081	4.3952	4.4542	0.050461	4.3605	4.4662	4.5643	0.061583	0.0334	0.07099	0.1119	0.029816
50	4.1918	4.3868	4.5863	0.1109	4.358	4.5365	4.7566	0.11617	0.119	0.14972	0.1894	0.022644

Device Test: 14.11 GAN|3Q/HVIN///0p5A///@HS_VSD_0p5A





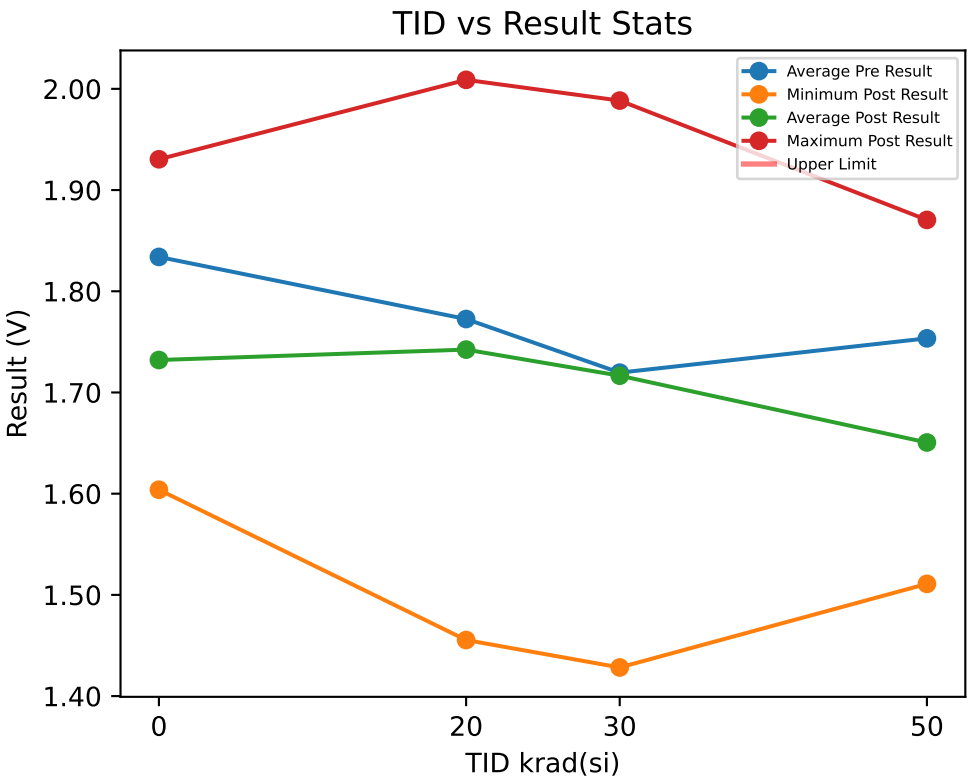
Test Results (No Limits Specified (V))

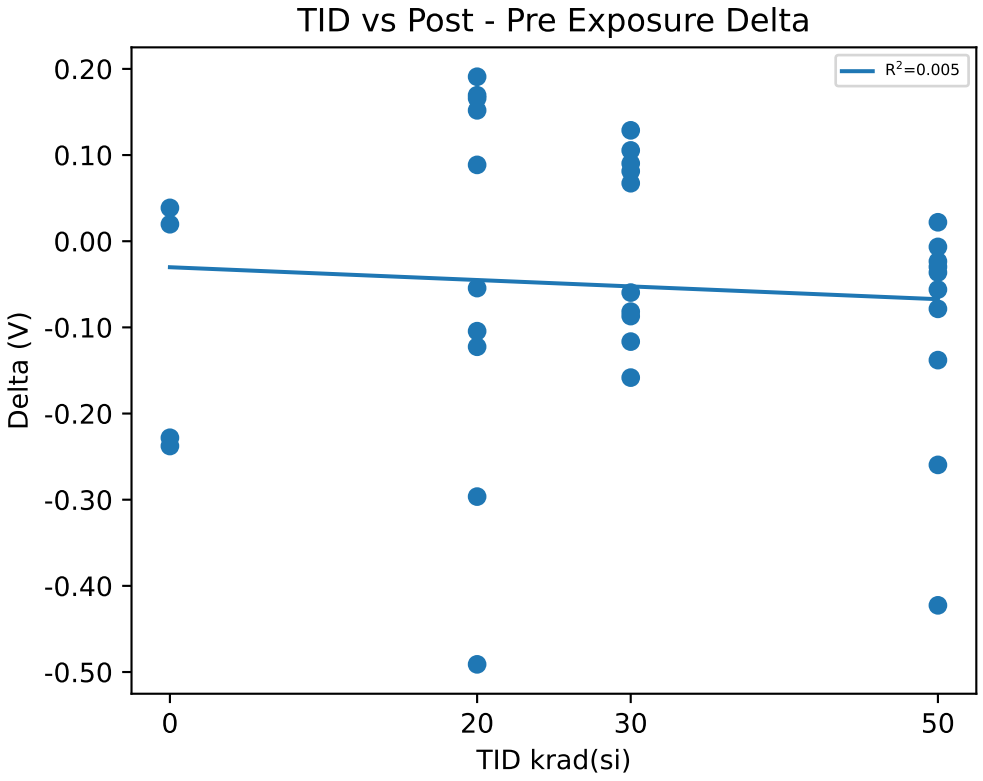
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	20	HDR BIAS	1.5417	1.7332	0.1915
2	20	HDR BIAS	1.8218	1.916	0.0942
3	20	HDR BIAS	1.5385	1.7086	0.1701
4	20	HDR BIAS	1.5489	1.718	0.1691
5	20	HDR BIAS	1.6352	1.7913	0.1561
6	20	HDR UNBIAS	1.5494	1.4441	-0.1053
7	20	HDR UNBIAS	1.5904	1.467	-0.1234
8	20	HDR UNBIAS	1.7494	1.6943	-0.0551
9	20	HDR UNBIAS	1.8611	1.3726	-0.4885
10	20	HDR UNBIAS	2.0174	1.7173	-0.3001
11	30	HDR BIAS	1.679	1.7622	0.0832
12	30	HDR BIAS	1.7679	1.8978	0.1299
13	30	HDR BIAS	1.7843	1.8765	0.0922
14	30	HDR BIAS	1.6382	1.7443	0.1061
15	30	HDR BIAS	1.5737	1.6424	0.0687
16	30	HDR UNBIAS	1.5041	1.3451	-0.159
17	30	HDR UNBIAS	1.6587	1.5979	-0.0608
18	30	HDR UNBIAS	1.5668	1.4843	-0.0825
19	30	HDR UNBIAS	1.5946	1.4773	-0.1173
20	30	HDR UNBIAS	1.5532	1.4655	-0.0877
21	50	HDR BIAS	1.5286	1.4903	-0.0383
22	50	HDR BIAS	1.5881	1.6098	0.0217
23	50	HDR BIAS	1.5154	1.4847	-0.0307
24	50	HDR BIAS	1.5347	1.5067	-0.028
25	50	HDR BIAS	1.5524	1.5439	-0.0085
26	50	HDR UNBIAS	1.6943	1.6155	-0.0788
27	50	HDR UNBIAS	1.8501	1.427	-0.4231
28	50	HDR UNBIAS	1.9707	1.7077	-0.263
29	50	HDR UNBIAS	1.6016	1.4626	-0.139
30	50	HDR UNBIAS	1.8309	1.774	-0.0569
41	0	CORRELATION	1.8128	1.8371	0.0243
42	0	CORRELATION	1.7526	1.5207	-0.2319
43	0	CORRELATION	1.7882	1.5636	-0.2246
45	0	CORRELATION	1.6229	1.6656	0.0427

Test Statistics (V)

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	1.6229	1.7441	1.8128	0.084511	1.5207	1.6467	1.8371	0.1407	-0.2319	-0.097375	0.0427	0.15134
20	1.5385	1.6854	2.0174	0.16823	1.3726	1.6562	1.916	0.17148	-0.4885	-0.02914	0.1915	0.23022
30	1.5041	1.6321	1.7843	0.092039	1.3451	1.6293	1.8978	0.18767	-0.159	-0.00272	0.1299	0.10824
50	1.5154	1.6667	1.9707	0.16215	1.427	1.5622	1.774	0.11251	-0.4231	-0.10446	0.0217	0.13807

Device Test: 14.13 GAN|3Q/HVIN///1A///@HS_VSD_1p0A





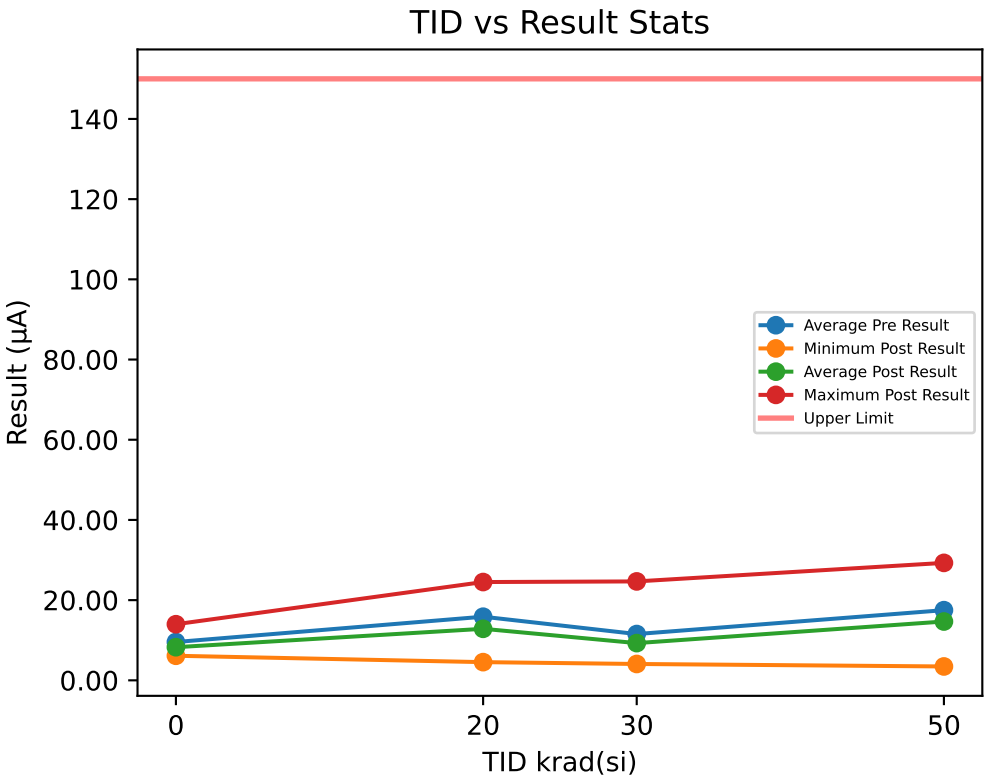
Test Results (No Limits Specified (V))

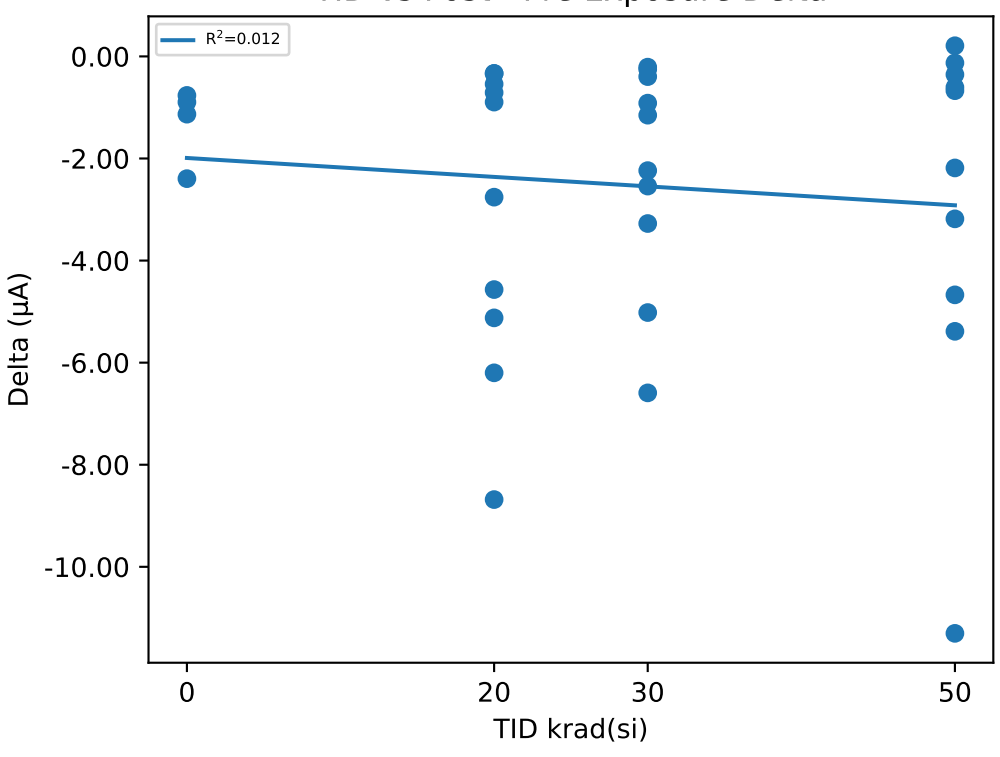
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	20	HDR BIAS	1.6246	1.8155	0.1909
2	20	HDR BIAS	1.9203	2.0089	0.0886
3	20	HDR BIAS	1.6221	1.7915	0.1694
4	20	HDR BIAS	1.633	1.7989	0.1659
5	20	HDR BIAS	1.7225	1.8744	0.1519
6	20	HDR UNBIAS	1.634	1.5296	-0.1044
7	20	HDR UNBIAS	1.6749	1.5524	-0.1225
8	20	HDR UNBIAS	1.8426	1.7882	-0.0544
9	20	HDR UNBIAS	1.9465	1.4554	-0.4911
10	20	HDR UNBIAS	2.1052	1.8088	-0.2964
11	30	HDR BIAS	1.7688	1.8501	0.0813
12	30	HDR BIAS	1.8597	1.9884	0.1287
13	30	HDR BIAS	1.8784	1.9687	0.0903
14	30	HDR BIAS	1.7254	1.8308	0.1054
15	30	HDR BIAS	1.6582	1.7255	0.0673
16	30	HDR UNBIAS	1.5866	1.4283	-0.1583
17	30	HDR UNBIAS	1.7474	1.6878	-0.0596
18	30	HDR UNBIAS	1.6525	1.5708	-0.0817
19	30	HDR UNBIAS	1.6802	1.5637	-0.1165
20	30	HDR UNBIAS	1.6386	1.5517	-0.0869
21	50	HDR BIAS	1.6137	1.5774	-0.0363
22	50	HDR BIAS	1.6742	1.6962	0.022
23	50	HDR BIAS	1.5969	1.5672	-0.0297
24	50	HDR BIAS	1.6183	1.5949	-0.0234
25	50	HDR BIAS	1.6352	1.6286	-0.0066
26	50	HDR UNBIAS	1.7844	1.7059	-0.0785
27	50	HDR UNBIAS	1.9335	1.5109	-0.4226
28	50	HDR UNBIAS	2.065	1.8054	-0.2596
29	50	HDR UNBIAS	1.6869	1.5489	-0.138
30	50	HDR UNBIAS	1.9266	1.8705	-0.0561
41	0	CORRELATION	1.9107	1.9304	0.0197
42	0	CORRELATION	1.8416	1.6039	-0.2377
43	0	CORRELATION	1.8709	1.6428	-0.2281
45	0	CORRELATION	1.7125	1.7512	0.0387

Test Statistics (V)

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	1.7125	1.8339	1.9107	0.08576	1.6039	1.7321	1.9304	0.14617	-0.2377	-0.10185	0.0387	0.15157
20	1.6221	1.7726	2.1052	0.17091	1.4554	1.7424	2.0089	0.17309	-0.4911	-0.03021	0.1909	0.22909
30	1.5866	1.7196	1.8784	0.095538	1.4283	1.7166	1.9884	0.18978	-0.1583	-0.003	0.1287	0.10713
50	1.5969	1.7535	2.065	0.1658	1.5109	1.6506	1.8705	0.11701	-0.4226	-0.10288	0.022	0.13815

Device Test: 14.20 GAN|HVLEAK/SW_LS////150V//@LS_IDSS_25C





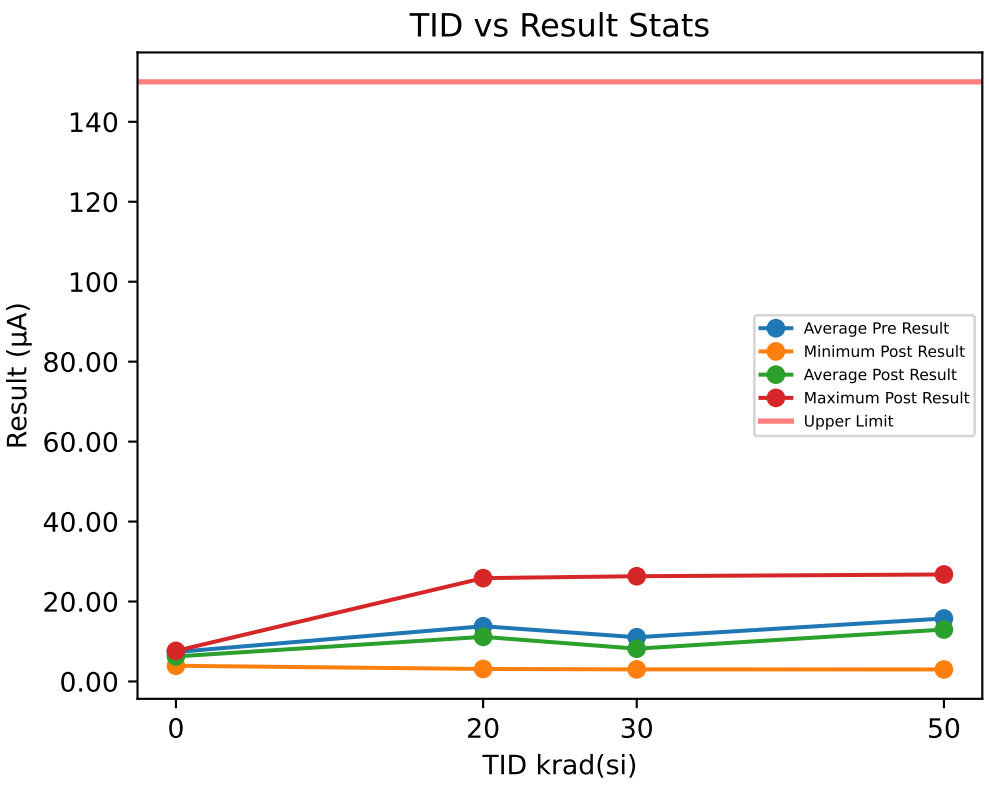
Test Results (Upper Limit = 150.0 (µA))

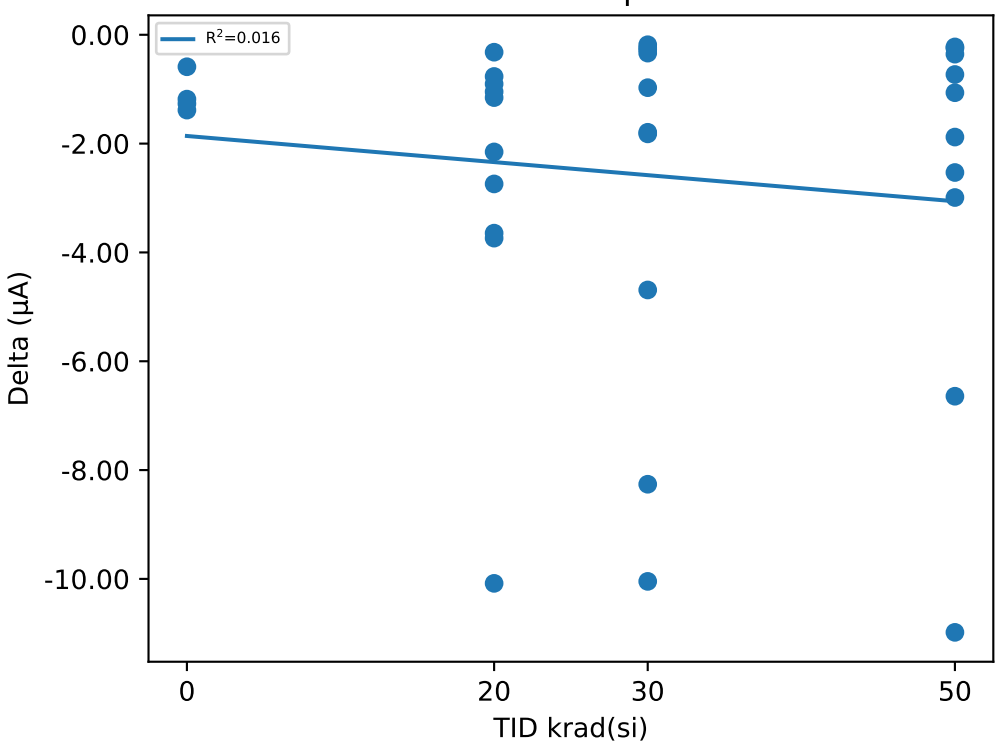
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	20	HDR BIAS	14.786	8.5868	-6.1993
2	20	HDR BIAS	13.018	7.8955	-5.1226
3	20	HDR BIAS	7.2944	4.5368	-2.7576
4	20	HDR BIAS	20.517	11.835	-8.6825
5	20	HDR BIAS	11.296	6.7284	-4.568
6	20	HDR UNBIAS	20.516	19.807	-0.7094
7	20	HDR UNBIAS	25.407	24.512	-0.8951
8	20	HDR UNBIAS	8.9639	8.4223	-0.5416
9	20	HDR UNBIAS	24.609	24.274	-0.3351
10	20	HDR UNBIAS	12.243	11.909	-0.3337
11	30	HDR BIAS	13.377	8.3583	-5.0182
12	30	HDR BIAS	7.3936	4.8531	-2.5405
13	30	HDR BIAS	8.2305	4.9564	-3.2741
14	30	HDR BIAS	6.3174	4.0799	-2.2375
15	30	HDR BIAS	16.383	9.7908	-6.5921
16	30	HDR UNBIAS	5.4205	5.21	-0.2105
17	30	HDR UNBIAS	5.6085	5.3551	-0.2534
18	30	HDR UNBIAS	25.82	24.668	-1.1515
19	30	HDR UNBIAS	7.4777	7.0819	-0.3958
20	30	HDR UNBIAS	19.397	18.482	-0.9155
21	50	HDR BIAS	13.349	7.9632	-5.3862
22	50	HDR BIAS	5.646	3.4608	-2.1852
23	50	HDR BIAS	8.2897	5.107	-3.1827
24	50	HDR BIAS	11.857	7.1858	-4.6716
25	50	HDR BIAS	25.431	14.128	-11.304
26	50	HDR UNBIAS	9.3975	9.042	-0.3555
27	50	HDR UNBIAS	29.081	29.29	0.209
28	50	HDR UNBIAS	24.252	24.124	-0.1276
29	50	HDR UNBIAS	27.745	27.14	-0.6055
30	50	HDR UNBIAS	19.925	19.253	-0.6717
41	0	CORRELATION	16.385	13.99	-2.395
42	0	CORRELATION	7.2891	6.3928	-0.8963
43	0	CORRELATION	7.2961	6.532	-0.7641
45	0	CORRELATION	7.2607	6.129	-1.1317

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	7.2607	9.5578	16.385	4.5517	6.129	8.261	13.99	3.8232	-2.395	-1.2968	-0.7641	0.74777
20	7.2944	15.865	25.407	6.4561	4.5368	12.851	24.512	7.3465	-8.6825	-3.0145	-0.3337	2.9717
30	5.4205	11.542	25.82	6.9684	4.0799	9.2835	24.668	6.8695	-6.5921	-2.2589	-0.2105	2.1659
50	5.646	17.497	29.081	8.7781	3.4608	14.669	29.29	9.6013	-11.304	-2.8281	0.209	3.5674

Device Test: 14.27 GAN|HVLEAK/HVIN////150V//@HS_IDSS_25C





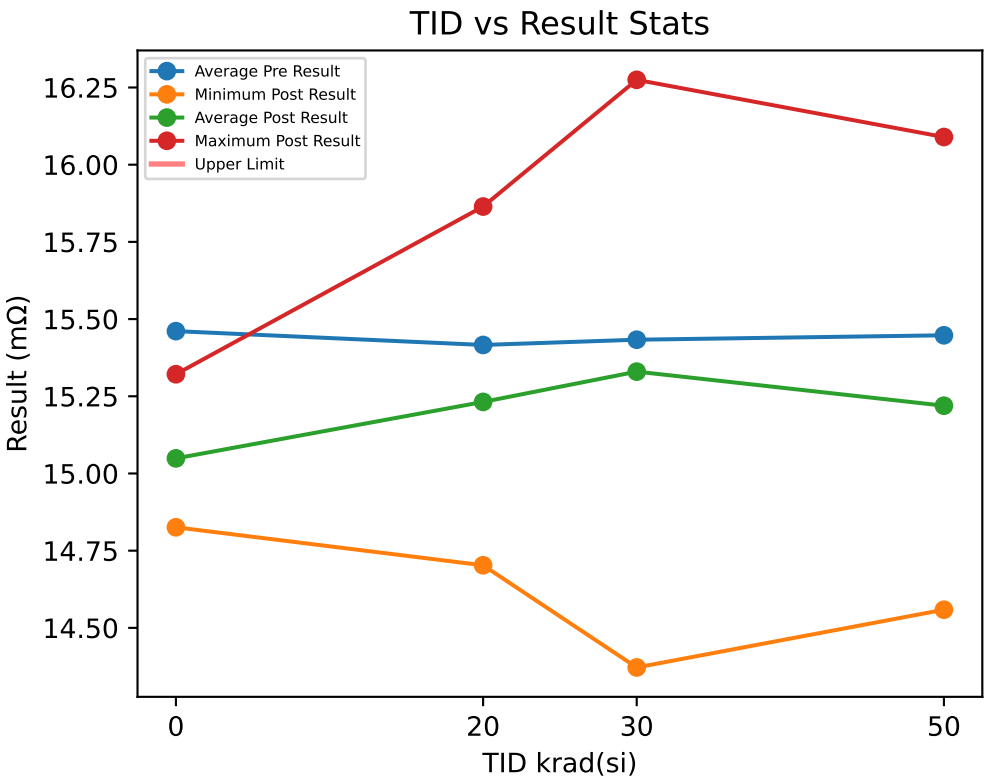
Test Results (Upper Limit = 150.0 (µA))

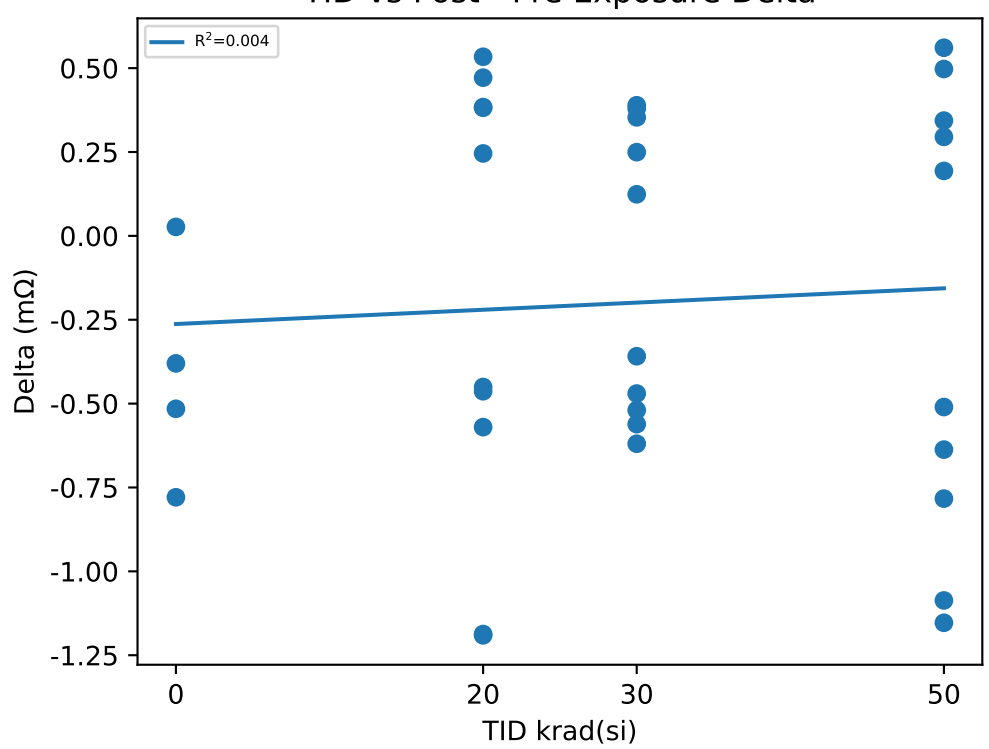
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	20	HDR BIAS	23.214	13.132	-10.082
2	20	HDR BIAS	9.0894	5.4438	-3.6456
3	20	HDR BIAS	9.3869	5.6496	-3.7373
4	20	HDR BIAS	5.2764	3.1235	-2.1529
5	20	HDR BIAS	6.5992	3.858	-2.7412
6	20	HDR UNBIAS	5.042	4.7218	-0.3202
7	20	HDR UNBIAS	26.897	25.85	-1.0467
8	20	HDR UNBIAS	12.272	11.368	-0.9036
9	20	HDR UNBIAS	15.633	14.478	-1.1545
10	20	HDR UNBIAS	24.703	23.937	-0.7662
11	30	HDR BIAS	4.8112	3.0194	-1.7918
12	30	HDR BIAS	20.726	10.681	-10.046
13	30	HDR BIAS	11.972	7.2822	-4.6899
14	30	HDR BIAS	19.375	11.114	-8.2604
15	30	HDR BIAS	4.9663	3.1451	-1.8212
16	30	HDR UNBIAS	4.5916	4.2547	-0.3369
17	30	HDR UNBIAS	6.7527	6.5697	-0.183
18	30	HDR UNBIAS	5.1222	4.8805	-0.2417
19	30	HDR UNBIAS	27.294	26.322	-0.9721
20	30	HDR UNBIAS	4.9674	4.693	-0.2744
21	50	HDR BIAS	7.7492	4.7584	-2.9908
22	50	HDR BIAS	6.0053	3.4742	-2.5311
23	50	HDR BIAS	4.8809	3.0011	-1.8798
24	50	HDR BIAS	24.923	13.941	-10.982
25	50	HDR BIAS	15.613	8.9698	-6.6428
26	50	HDR UNBIAS	26.907	25.843	-1.0646
27	50	HDR UNBIAS	26.987	26.763	-0.2232
28	50	HDR UNBIAS	15.106	14.861	-0.2455
29	50	HDR UNBIAS	13.318	12.962	-0.3562
30	50	HDR UNBIAS	16.031	15.301	-0.7299
41	0	CORRELATION	9.0301	7.6459	-1.3842
42	0	CORRELATION	7.2264	6.0437	-1.1827
43	0	CORRELATION	4.5088	3.9211	-0.5877
45	0	CORRELATION	8.6841	7.419	-1.2651

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	4.5088	7.3624	9.0301	2.0567	3.9211	6.2574	7.6459	1.7109	-1.3842	-1.1049	-0.5877	0.3546
20	5.042	13.811	26.897	8.3506	3.1235	11.156	25.85	8.2757	-10.082	-2.655	-0.3202	2.8771
30	4.5916	11.058	27.294	8.4058	3.0194	8.1962	26.322	6.9748	-10.046	-2.8617	-0.183	3.6056
50	4.8809	15.752	26.987	8.2894	3.0011	12.987	26.763	8.4254	-10.982	-2.7646	-0.2232	3.4817

Device Test: 14.3 GAN|RDSON/SW_LS/12/10////@LS_RDSON_25C





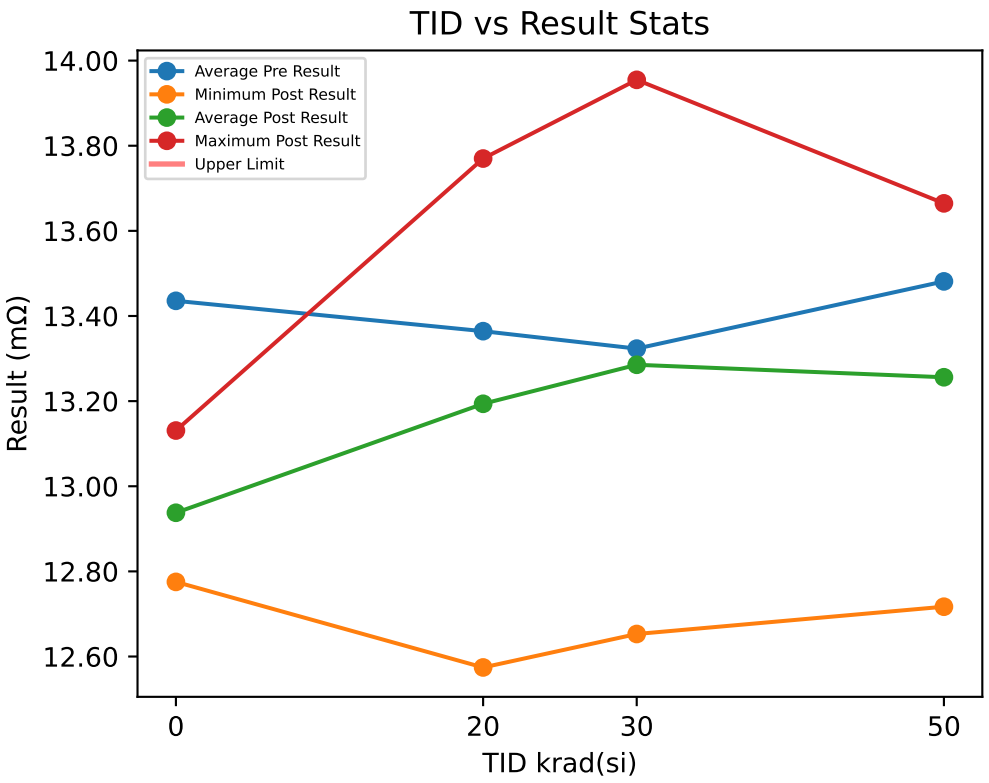
Test Results (No Limits Specified (mΩ))

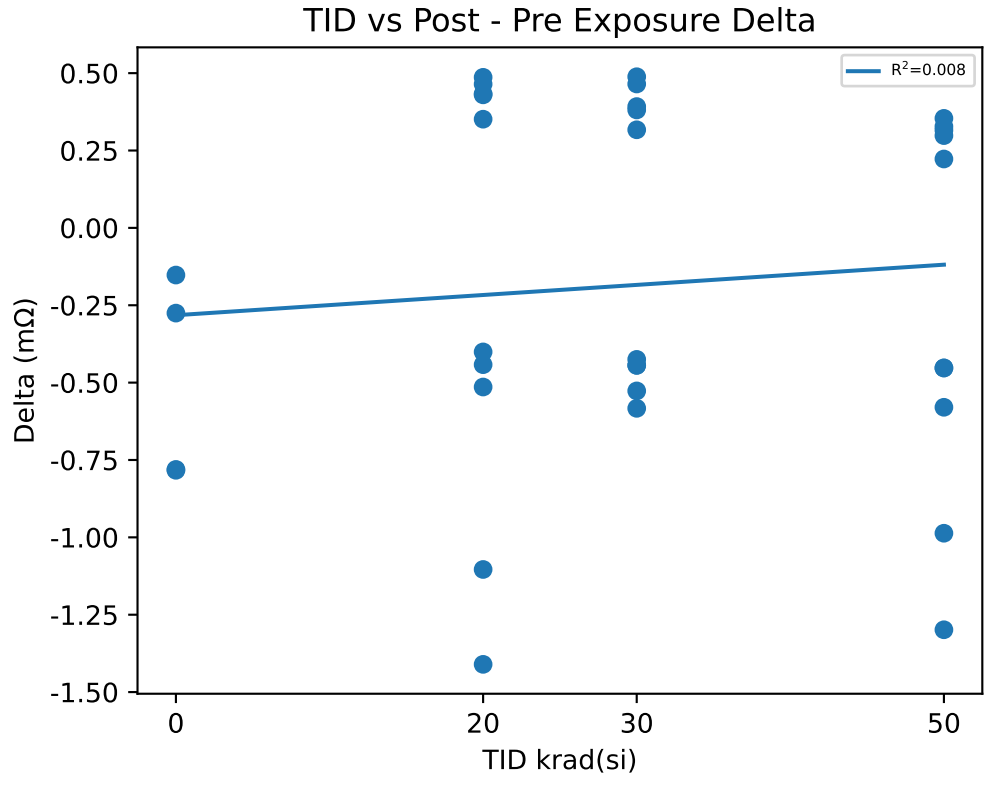
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	20	HDR BIAS	15.331	15.864	0.5339
2	20	HDR BIAS	15.422	15.668	0.2457
3	20	HDR BIAS	15.01	15.392	0.3818
4	20	HDR BIAS	15.4	15.784	0.3839
5	20	HDR BIAS	15.012	15.483	0.4716
6	20	HDR UNBIAS	15.448	14.878	-0.5701
7	20	HDR UNBIAS	15.162	14.712	-0.4505
8	20	HDR UNBIAS	15.324	14.861	-0.4632
9	20	HDR UNBIAS	15.89	14.703	-1.1869
10	20	HDR UNBIAS	16.163	14.972	-1.1908
11	30	HDR BIAS	15.564	15.918	0.3533
12	30	HDR BIAS	15.545	15.669	0.1239
13	30	HDR BIAS	14.982	15.362	0.3795
14	30	HDR BIAS	16.025	16.275	0.2495
15	30	HDR BIAS	15.247	15.636	0.3893
16	30	HDR UNBIAS	15.285	14.815	-0.47
17	30	HDR UNBIAS	14.891	14.372	-0.5195
18	30	HDR UNBIAS	15.542	14.981	-0.5612
19	30	HDR UNBIAS	15.601	15.242	-0.3588
20	30	HDR UNBIAS	15.648	15.029	-0.6196
21	50	HDR BIAS	14.99	15.285	0.2951
22	50	HDR BIAS	15.274	15.468	0.1936
23	50	HDR BIAS	15.529	16.09	0.5608
24	50	HDR BIAS	15.521	15.864	0.3436
25	50	HDR BIAS	15.232	15.729	0.4974
26	50	HDR UNBIAS	15.238	14.601	-0.6371
27	50	HDR UNBIAS	15.73	14.643	-1.0867
28	50	HDR UNBIAS	16.237	15.084	-1.1533
29	50	HDR UNBIAS	15.069	14.559	-0.5102
30	50	HDR UNBIAS	15.654	14.871	-0.7832
41	0	CORRELATION	15.213	14.833	-0.3801
42	0	CORRELATION	15.731	15.216	-0.5155
43	0	CORRELATION	16.101	15.321	-0.7792
45	0	CORRELATION	14.799	14.826	0.0267

Test Statistics (mΩ)

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	14.799	15.461	16.101	0.5721	14.826	15.049	15.321	0.25728	-0.7792	-0.41202	0.0267	0.33617
20	15.01	15.416	16.163	0.36394	14.703	15.232	15.864	0.45525	-1.1908	-0.18446	0.5339	0.67412
30	14.891	15.433	16.025	0.33668	14.372	15.33	16.275	0.56282	-0.6196	-0.10336	0.3893	0.43583
50	14.99	15.447	16.237	0.36979	14.559	15.219	16.09	0.5567	-1.1533	-0.228	0.5608	0.67291

Device Test: 14.6 GAN|RDSON/HVIN/12/10////@HS_RDSON_25C





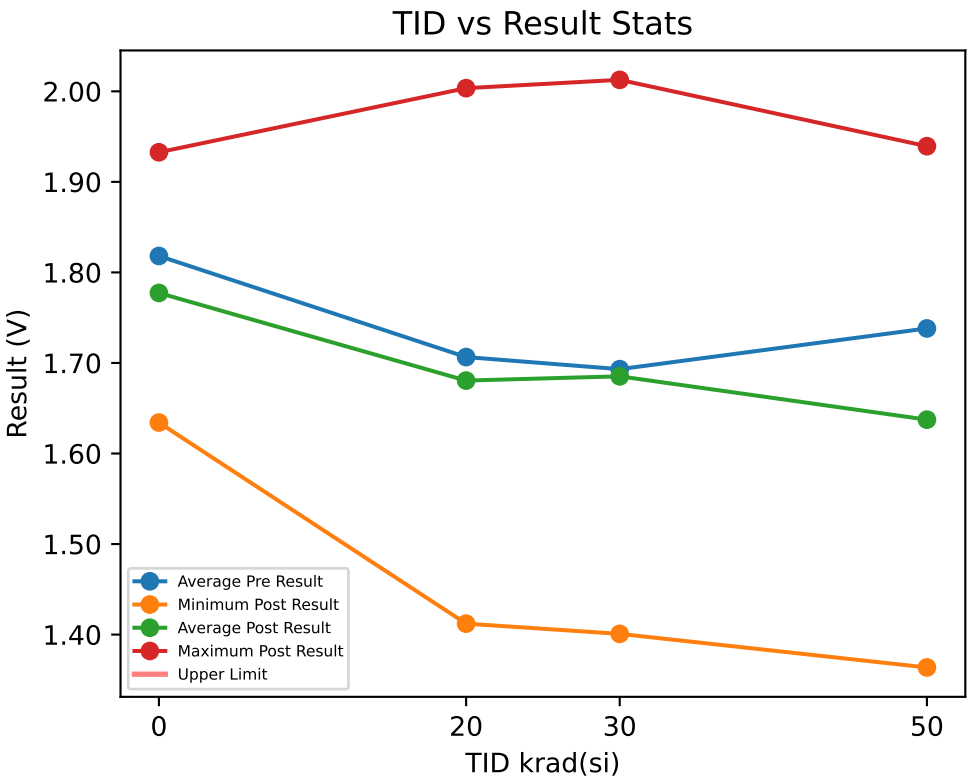
Test Results (No Limits Specified (mΩ))

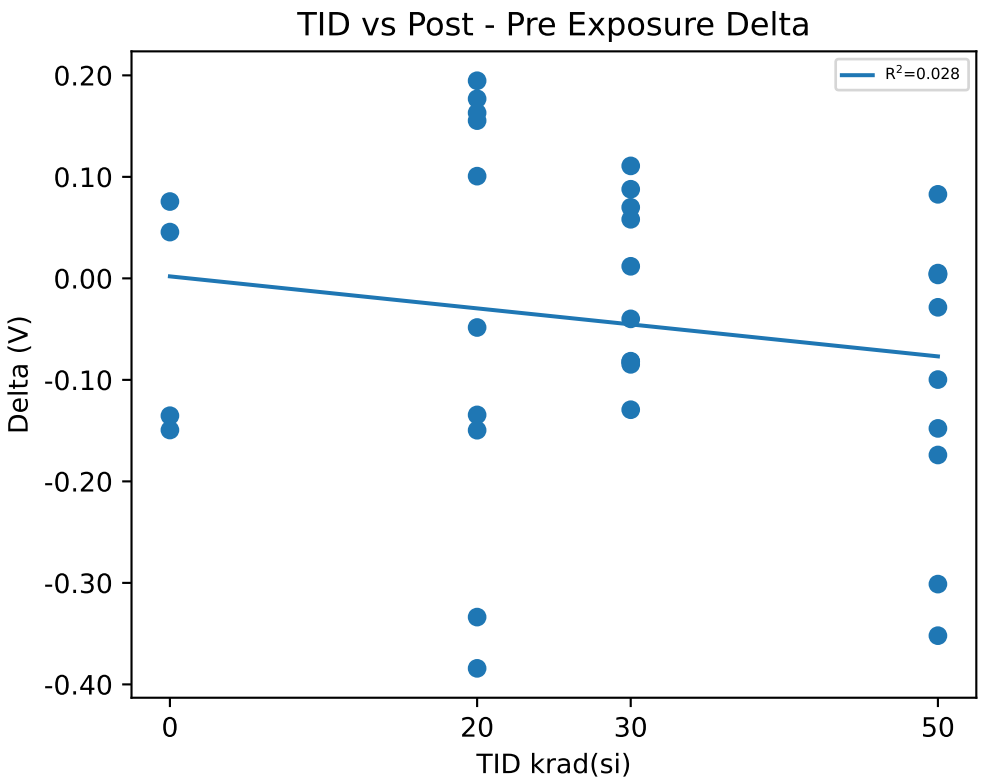
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	20	HDR BIAS	13.179	13.665	0.4865
2	20	HDR BIAS	13.419	13.77	0.3512
3	20	HDR BIAS	13.045	13.478	0.4332
4	20	HDR BIAS	12.977	13.407	0.4299
5	20	HDR BIAS	13.122	13.586	0.4644
6	20	HDR UNBIAS	13.016	12.574	-0.442
7	20	HDR UNBIAS	13.377	12.863	-0.5142
8	20	HDR UNBIAS	13.34	12.94	-0.4008
9	20	HDR UNBIAS	14.022	12.612	-1.4104
10	20	HDR UNBIAS	14.146	13.042	-1.1038
11	30	HDR BIAS	13.466	13.955	0.4884
12	30	HDR BIAS	13.488	13.953	0.465
13	30	HDR BIAS	13.412	13.804	0.392
14	30	HDR BIAS	13.463	13.844	0.3811
15	30	HDR BIAS	13.201	13.518	0.317
16	30	HDR UNBIAS	13.287	12.704	-0.5831
17	30	HDR UNBIAS	13.248	12.823	-0.4249
18	30	HDR UNBIAS	13.102	12.659	-0.4436
19	30	HDR UNBIAS	13.468	12.941	-0.5268
20	30	HDR UNBIAS	13.097	12.653	-0.4444
21	50	HDR BIAS	13.101	13.324	0.2226
22	50	HDR BIAS	13.061	13.415	0.3539
23	50	HDR BIAS	13.265	13.592	0.3276
24	50	HDR BIAS	13.249	13.547	0.2982
25	50	HDR BIAS	13.349	13.665	0.3158
26	50	HDR UNBIAS	13.517	13.065	-0.4526
27	50	HDR UNBIAS	14.016	12.717	-1.2986
28	50	HDR UNBIAS	14.055	13.068	-0.9867
29	50	HDR UNBIAS	13.496	12.916	-0.5797
30	50	HDR UNBIAS	13.705	13.252	-0.4527
41	0	CORRELATION	13.406	13.131	-0.2754
42	0	CORRELATION	13.611	12.828	-0.7833
43	0	CORRELATION	13.797	13.017	-0.7805
45	0	CORRELATION	12.928	12.775	-0.1524

Test Statistics (mΩ)

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	12.928	13.436	13.797	0.37433	12.775	12.938	13.131	0.16523	-0.7833	-0.4979	-0.1524	0.33176
20	12.977	13.364	14.146	0.41019	12.574	13.194	13.77	0.44139	-1.4104	-0.1706	0.4865	0.70594
30	13.097	13.323	13.488	0.15561	12.653	13.285	13.955	0.57657	-0.5831	-0.03793	0.4884	0.47517
50	13.061	13.481	14.055	0.35045	12.717	13.256	13.665	0.31141	-1.2986	-0.22522	0.3539	0.61186

Device Test: 14.7 GAN|3Q/SW_LS///0p5A///@LS_VSD_0p5A





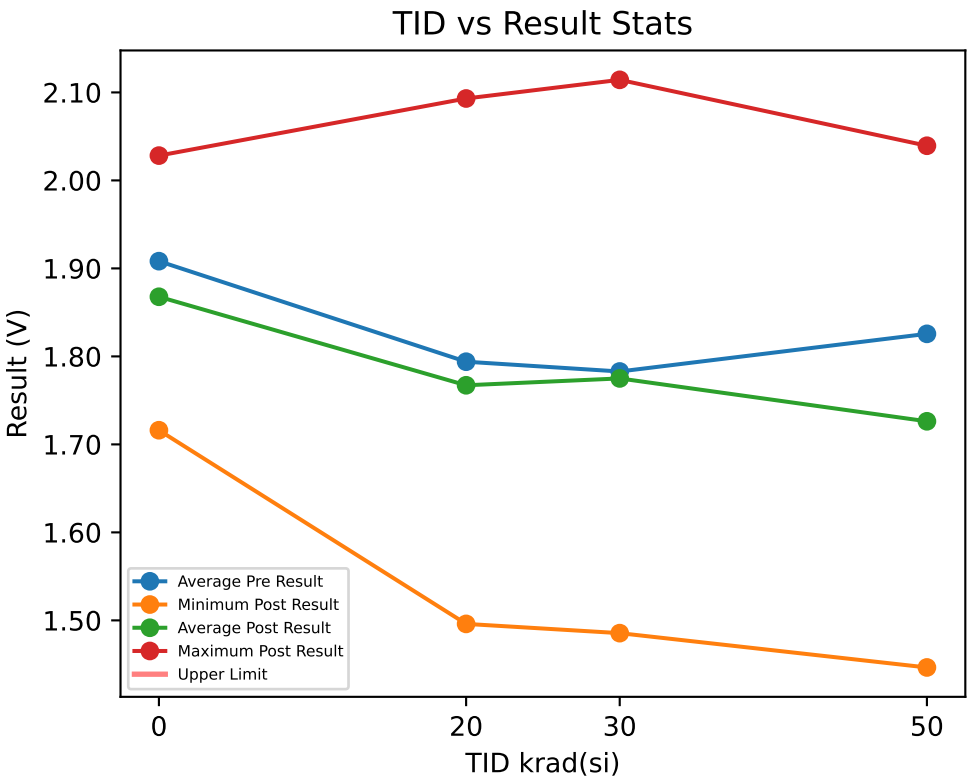
Test Results (No Limits Specified (V))

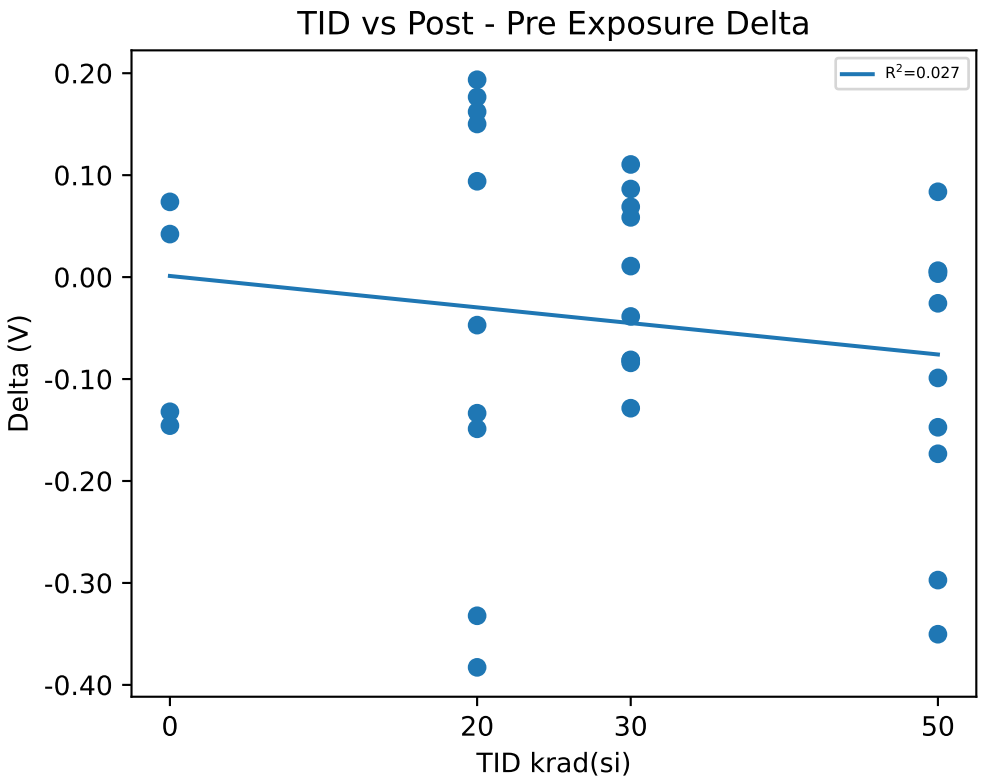
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	20	HDR BIAS	1.8481	2.0035	0.1554
2	20	HDR BIAS	1.8072	1.9079	0.1007
3	20	HDR BIAS	1.5328	1.6959	0.1631
4	20	HDR BIAS	1.5368	1.7137	0.1769
5	20	HDR BIAS	1.5442	1.7389	0.1947
6	20	HDR UNBIAS	1.5617	1.4121	-0.1496
7	20	HDR UNBIAS	1.5831	1.4486	-0.1345
8	20	HDR UNBIAS	1.801	1.7526	-0.0484
9	20	HDR UNBIAS	1.9167	1.5325	-0.3842
10	20	HDR UNBIAS	1.9335	1.5998	-0.3337
11	30	HDR BIAS	1.671	1.7588	0.0878
12	30	HDR BIAS	1.5566	1.6148	0.0582
13	30	HDR BIAS	1.6492	1.7192	0.07
14	30	HDR BIAS	2.0008	2.0127	0.0119
15	30	HDR BIAS	1.5891	1.6999	0.1108
16	30	HDR UNBIAS	1.5709	1.4893	-0.0816
17	30	HDR UNBIAS	1.5302	1.4008	-0.1294
18	30	HDR UNBIAS	1.7078	1.6256	-0.0822
19	30	HDR UNBIAS	1.9669	1.927	-0.0399
20	30	HDR UNBIAS	1.689	1.6043	-0.0847
21	50	HDR BIAS	1.534	1.5055	-0.0285
22	50	HDR BIAS	1.5787	1.5839	0.0052
23	50	HDR BIAS	1.9351	1.9394	0.0043
24	50	HDR BIAS	1.8716	1.875	0.0034
25	50	HDR BIAS	1.7893	1.8721	0.0828
26	50	HDR UNBIAS	1.5291	1.3813	-0.1478
27	50	HDR UNBIAS	1.9169	1.5649	-0.352
28	50	HDR UNBIAS	1.9977	1.6965	-0.3012
29	50	HDR UNBIAS	1.6912	1.5915	-0.0997
30	50	HDR UNBIAS	1.5377	1.3637	-0.174
41	0	CORRELATION	1.5585	1.6342	0.0757
42	0	CORRELATION	2.0352	1.8858	-0.1494
43	0	CORRELATION	2.068	1.9327	-0.1353
45	0	CORRELATION	1.611	1.6566	0.0456

Test Statistics (V)

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	1.5585	1.8182	2.068	0.27072	1.6342	1.7773	1.9327	0.1538	-0.1494	-0.04085	0.0757	0.11799
20	1.5328	1.7065	1.9335	0.16877	1.4121	1.6805	2.0035	0.18863	-0.3842	-0.02596	0.1947	0.21734
30	1.5302	1.6931	2.0008	0.16439	1.4008	1.6852	2.0127	0.18464	-0.1294	-0.00791	0.1108	0.086097
50	1.5291	1.7381	1.9977	0.18611	1.3637	1.6374	1.9394	0.20395	-0.352	-0.10075	0.0828	0.14256

Device Test: 14.9 GAN|3Q/SW_LS///1A///@LS_VSD_1p0A





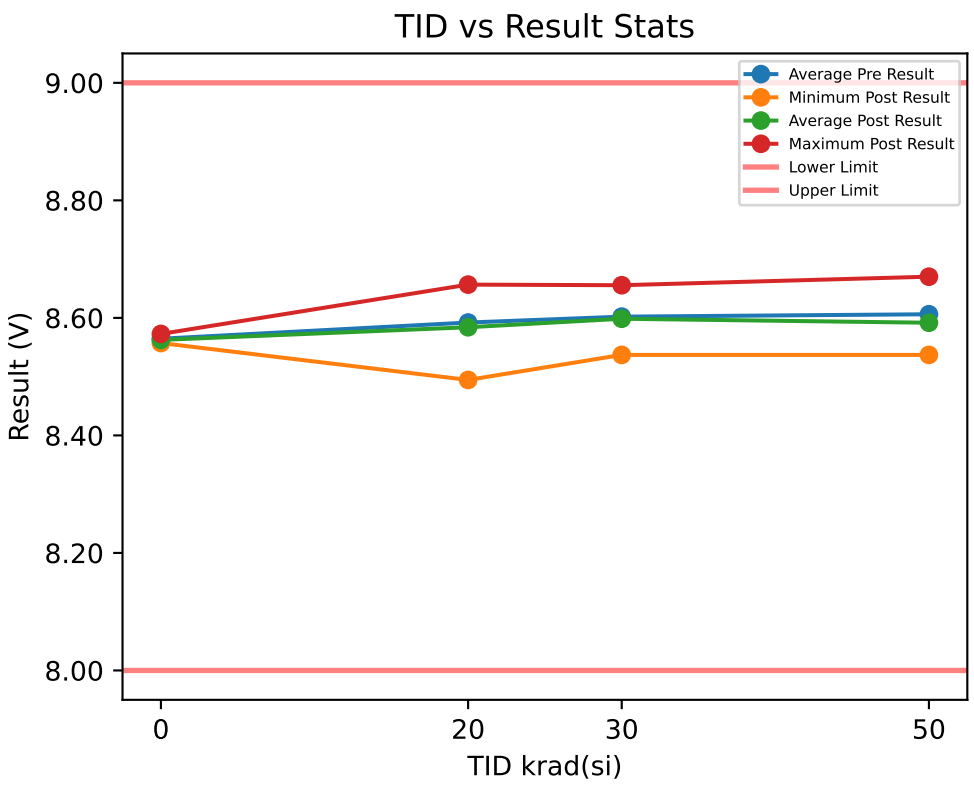
Test Results (No Limits Specified (V))

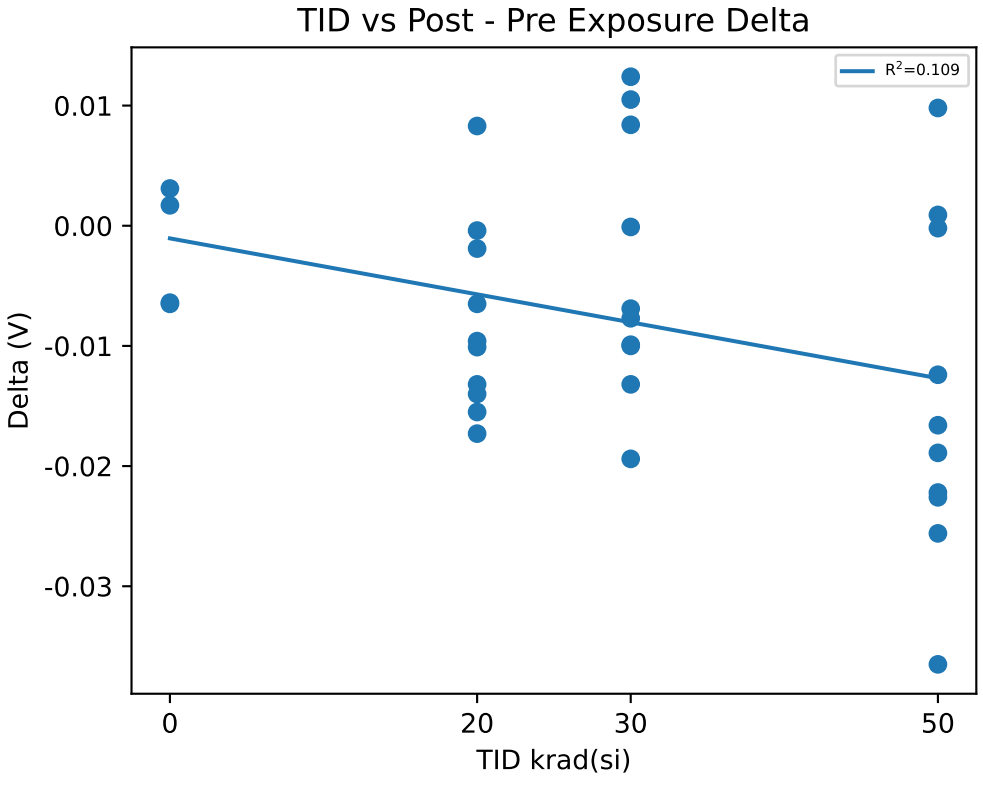
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	20	HDR BIAS	1.9429	2.0931	0.1502
2	20	HDR BIAS	1.9044	1.9984	0.094
3	20	HDR BIAS	1.6151	1.7773	0.1622
4	20	HDR BIAS	1.6193	1.7959	0.1766
5	20	HDR BIAS	1.627	1.8206	0.1936
6	20	HDR UNBIAS	1.6448	1.496	-0.1488
7	20	HDR UNBIAS	1.6665	1.533	-0.1335
8	20	HDR UNBIAS	1.899	1.8519	-0.0471
9	20	HDR UNBIAS	2.0005	1.6177	-0.3828
10	20	HDR UNBIAS	2.0201	1.6879	-0.3322
11	30	HDR BIAS	1.7592	1.8456	0.0864
12	30	HDR BIAS	1.6451	1.7037	0.0586
13	30	HDR BIAS	1.736	1.805	0.069
14	30	HDR BIAS	2.1035	2.1143	0.0108
15	30	HDR BIAS	1.6725	1.783	0.1105
16	30	HDR UNBIAS	1.656	1.5748	-0.0812
17	30	HDR UNBIAS	1.6141	1.4855	-0.1286
18	30	HDR UNBIAS	1.7961	1.7144	-0.0817
19	30	HDR UNBIAS	2.0683	2.0297	-0.0386
20	30	HDR UNBIAS	1.7778	1.6937	-0.0841
21	50	HDR BIAS	1.6174	1.5917	-0.0257
22	50	HDR BIAS	1.6633	1.6696	0.0063
23	50	HDR BIAS	2.0339	2.0394	0.0055
24	50	HDR BIAS	1.967	1.9704	0.0034
25	50	HDR BIAS	1.879	1.9627	0.0837
26	50	HDR UNBIAS	1.6136	1.4663	-0.1473
27	50	HDR UNBIAS	2.001	1.6507	-0.3503
28	50	HDR UNBIAS	2.0849	1.7877	-0.2972
29	50	HDR UNBIAS	1.7764	1.6775	-0.0989
30	50	HDR UNBIAS	1.6198	1.4465	-0.1733
41	0	CORRELATION	1.6423	1.7161	0.0738
42	0	CORRELATION	2.1323	1.9866	-0.1457
43	0	CORRELATION	2.1603	2.0282	-0.1321
45	0	CORRELATION	1.698	1.7402	0.0422

Test Statistics (V)

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	1.6423	1.9082	2.1603	0.27608	1.7161	1.8678	2.0282	0.16242	-0.1457	-0.04045	0.0738	0.11454
20	1.6151	1.794	2.0201	0.17259	1.496	1.7672	2.0931	0.1908	-0.3828	-0.02678	0.1936	0.21558
30	1.6141	1.7829	2.1035	0.17094	1.4855	1.775	2.1143	0.19009	-0.1286	-0.00789	0.1105	0.085462
50	1.6136	1.8256	2.0849	0.18963	1.4465	1.7262	2.0394	0.20886	-0.3503	-0.09938	0.0837	0.14202

Device Test: 15.1 THRESHOLD|RISE/VIN//10////@V_IN_TH_RISE





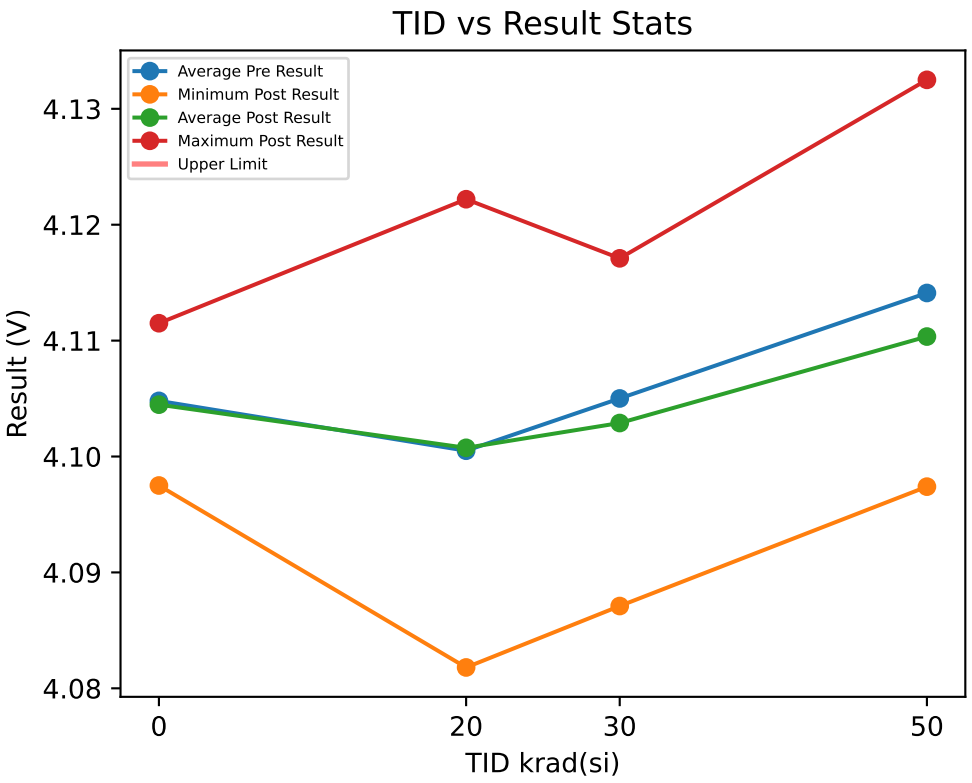
Test Results (Lower Limit = 8.0, Upper Limit = 9.0 (V))

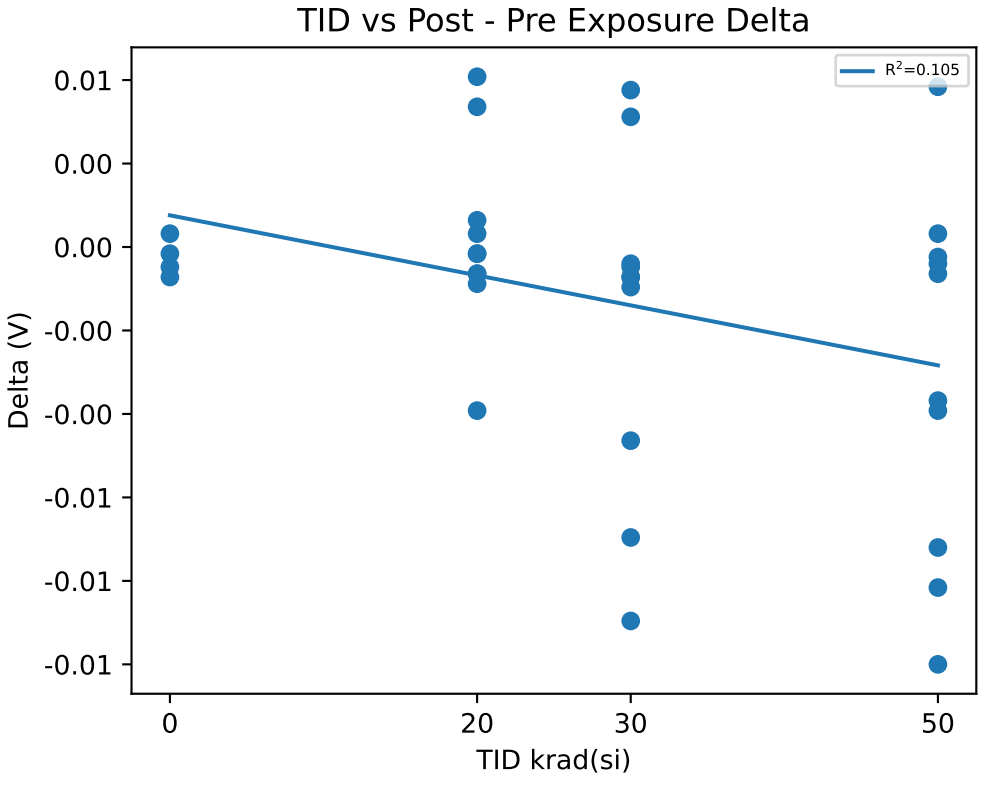
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	20	HDR BIAS	8.5871	8.5806	-0.0065
2	20	HDR BIAS	8.5553	8.5534	-0.0019
3	20	HDR BIAS	8.6698	8.6566	-0.0132
4	20	HDR BIAS	8.5647	8.5551	-0.0096
5	20	HDR BIAS	8.6617	8.6462	-0.0155
6	20	HDR UNBIAS	8.6052	8.5912	-0.014
7	20	HDR UNBIAS	8.5768	8.5764	-0.0004
8	20	HDR UNBIAS	8.5714	8.5613	-0.0101
9	20	HDR UNBIAS	8.5117	8.4944	-0.0173
10	20	HDR UNBIAS	8.6171	8.6254	0.0083
11	30	HDR BIAS	8.6034	8.5902	-0.0132
12	30	HDR BIAS	8.6411	8.6312	-0.0099
13	30	HDR BIAS	8.5995	8.5801	-0.0194
14	30	HDR BIAS	8.547	8.537	-0.01
15	30	HDR BIAS	8.5971	8.5902	-0.0069
16	30	HDR UNBIAS	8.6451	8.6556	0.0105
17	30	HDR UNBIAS	8.6097	8.602	-0.0077
18	30	HDR UNBIAS	8.5474	8.5473	-0.0001
19	30	HDR UNBIAS	8.6177	8.6301	0.0124
20	30	HDR UNBIAS	8.6131	8.6215	0.0084
21	50	HDR BIAS	8.6629	8.6264	-0.0365
22	50	HDR BIAS	8.6358	8.6132	-0.0226
23	50	HDR BIAS	8.6957	8.6701	-0.0256
24	50	HDR BIAS	8.5876	8.5654	-0.0222
25	50	HDR BIAS	8.6271	8.6105	-0.0166
26	50	HDR UNBIAS	8.6094	8.6092	-0.0002
27	50	HDR UNBIAS	8.5512	8.5521	0.0009
28	50	HDR UNBIAS	8.5613	8.5711	0.0098
29	50	HDR UNBIAS	8.5813	8.5624	-0.0189
30	50	HDR UNBIAS	8.5494	8.537	-0.0124
41	0	CORRELATION	8.5696	8.5727	0.0031
42	0	CORRELATION	8.5637	8.5572	-0.0065
43	0	CORRELATION	8.5612	8.5629	0.0017
45	0	CORRELATION	8.5636	8.5572	-0.0064

Test Statistics (V)

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	8.5612	8.5645	8.5696	0.0035753	8.5572	8.5625	8.5727	0.0073116	-0.0065	-0.002025	0.0031	0.0051416
20	8.5117	8.5921	8.6698	0.04823	8.4944	8.5841	8.6566	0.048637	-0.0173	-0.00802	0.0083	0.0079976
30	8.547	8.6021	8.6451	0.033089	8.537	8.5985	8.6556	0.037638	-0.0194	-0.00359	0.0124	0.010859
50	8.5494	8.6062	8.6957	0.049195	8.537	8.5917	8.6701	0.040835	-0.0365	-0.01443	0.0098	0.014112

Device Test: 15.10 THRESHOLD|RISE/BP5L/12/10////@V_BP5L_TH_RISE





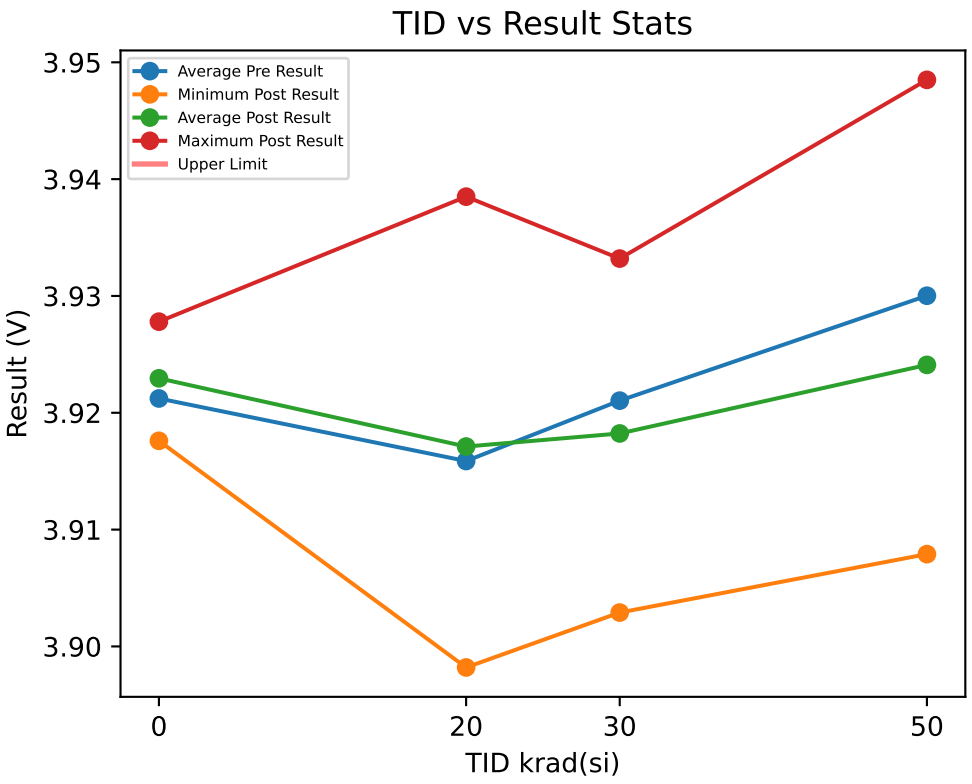
Test Results (No Limits Specified (V))

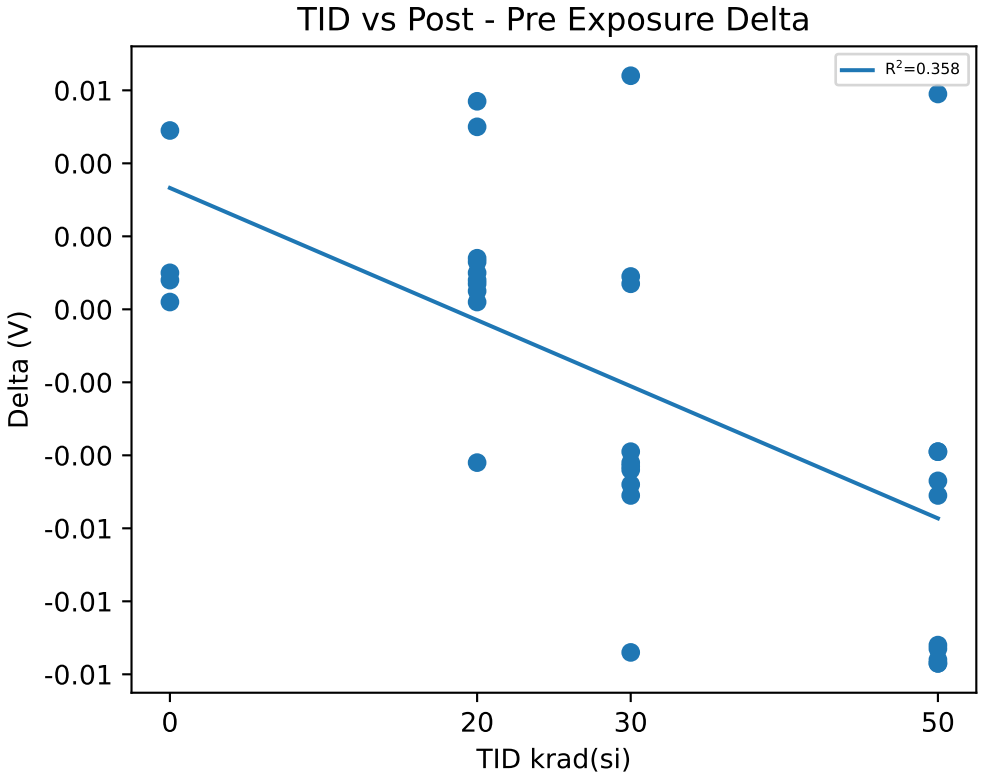
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	20	HDR BIAS	4.0923	4.0931	0.0008
2	20	HDR BIAS	4.1033	4.1025	-0.0008
3	20	HDR BIAS	4.1223	4.1221	-0.0002
4	20	HDR BIAS	4.118	4.1222	0.0042
5	20	HDR BIAS	4.1167	4.1118	-0.0049
6	20	HDR UNBIAS	4.088	4.0869	-0.0011
7	20	HDR UNBIAS	4.1023	4.1074	0.0051
8	20	HDR UNBIAS	4.093	4.0922	-0.0008
9	20	HDR UNBIAS	4.0814	4.0818	0.0004
10	20	HDR UNBIAS	4.0877	4.0875	-0.0002
11	30	HDR BIAS	4.108	4.1074	-0.0006
12	30	HDR BIAS	4.1184	4.1072	-0.0112
13	30	HDR BIAS	4.1064	4.0977	-0.0087
14	30	HDR BIAS	4.113	4.1072	-0.0058
15	30	HDR BIAS	4.0883	4.0871	-0.0012
16	30	HDR UNBIAS	4.0927	4.0922	-0.0005
17	30	HDR UNBIAS	4.0933	4.098	0.0047
18	30	HDR UNBIAS	4.099	4.0981	-0.0009
19	30	HDR UNBIAS	4.118	4.1171	-0.0009
20	30	HDR UNBIAS	4.113	4.1169	0.0039
21	50	HDR BIAS	4.1126	4.108	-0.0046
22	50	HDR BIAS	4.1277	4.1325	0.0048
23	50	HDR BIAS	4.1314	4.1265	-0.0049
24	50	HDR BIAS	4.0986	4.0978	-0.0008
25	50	HDR BIAS	4.1117	4.1121	0.0004
26	50	HDR UNBIAS	4.108	4.0978	-0.0102
27	50	HDR UNBIAS	4.0977	4.0974	-0.0003
28	50	HDR UNBIAS	4.1127	4.1122	-0.0005
29	50	HDR UNBIAS	4.112	4.103	-0.009
30	50	HDR UNBIAS	4.1287	4.1162	-0.0125
41	0	CORRELATION	4.1124	4.1115	-0.0009
42	0	CORRELATION	4.1061	4.1065	0.0004
43	0	CORRELATION	4.103	4.1024	-0.0006
45	0	CORRELATION	4.0977	4.0975	-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	4.0977	4.1048	4.1124	0.00614	4.0975	4.1045	4.1115	0.0059556	-0.0009	-0.000325	0.0004	0.00056199
20	4.0814	4.1005	4.1223	0.014389	4.0818	4.1007	4.1222	0.014695	-0.0049	0.00025	0.0051	0.0027969
30	4.0883	4.105	4.1184	0.011008	4.0871	4.1029	4.1171	0.0099615	-0.0112	-0.00212	0.0047	0.005064
50	4.0977	4.1141	4.1314	0.011824	4.0974	4.1103	4.1325	0.012177	-0.0125	-0.00376	0.0048	0.0054698

Device Test: 15.11 THRESHOLD|FALL/BP5L/12/10////@V_BP5L_TH_FALL





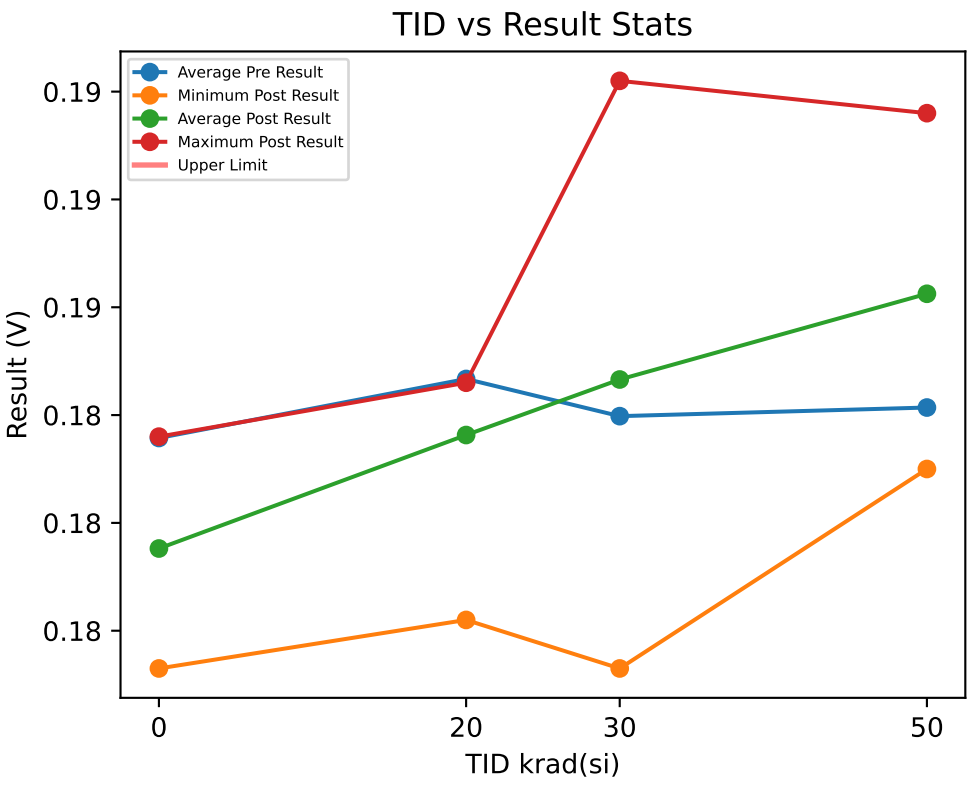
Test Results (No Limits Specified (V))

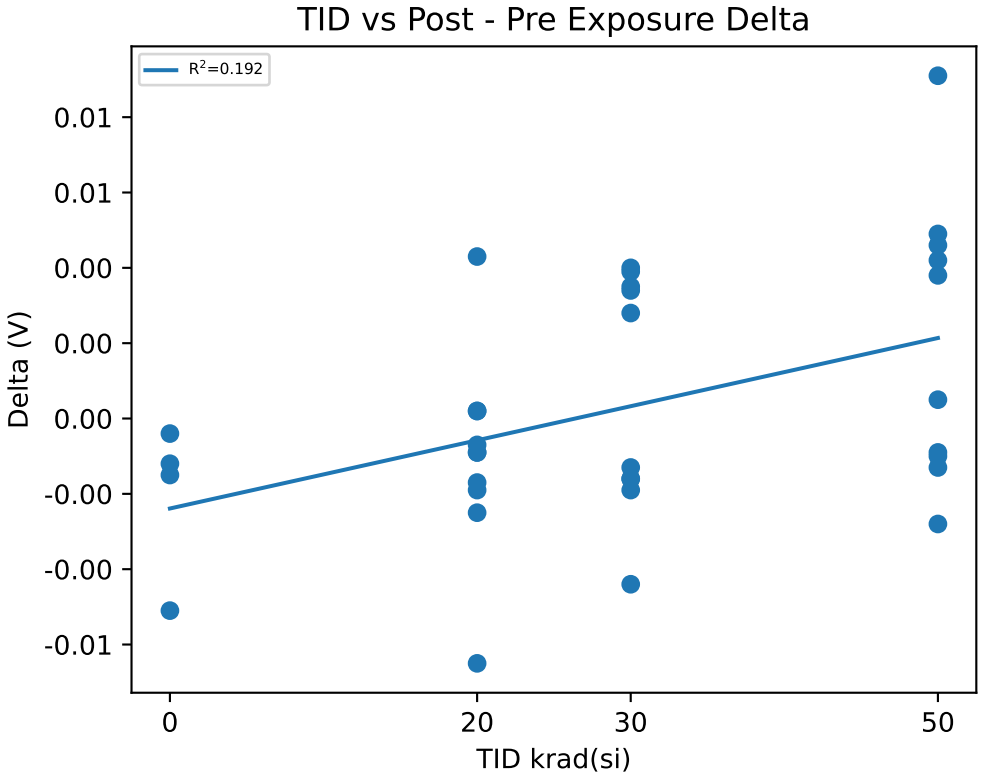
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	20	HDR BIAS	3.9124	3.9129	0.0005
2	20	HDR BIAS	3.9122	3.9179	0.0057
3	20	HDR BIAS	3.9371	3.9385	0.0014
4	20	HDR BIAS	3.9326	3.9376	0.005
5	20	HDR BIAS	3.9327	3.9285	-0.0042
6	20	HDR UNBIAS	3.9019	3.9032	0.0013
7	20	HDR UNBIAS	3.9224	3.9232	0.0008
8	20	HDR UNBIAS	3.9072	3.9082	0.001
9	20	HDR UNBIAS	3.898	3.8982	0.0002
10	20	HDR UNBIAS	3.9022	3.9029	0.0007
11	30	HDR BIAS	3.9221	3.9182	-0.0039
12	30	HDR BIAS	3.9326	3.9232	-0.0094
13	30	HDR BIAS	3.9227	3.9185	-0.0042
14	30	HDR BIAS	3.9276	3.9232	-0.0044
15	30	HDR BIAS	3.908	3.9029	-0.0051
16	30	HDR UNBIAS	3.9075	3.9082	0.0007
17	30	HDR UNBIAS	3.9124	3.9188	0.0064
18	30	HDR UNBIAS	3.9122	3.9079	-0.0043
19	30	HDR UNBIAS	3.938	3.9332	-0.0048
20	30	HDR UNBIAS	3.9273	3.9282	0.0009
21	50	HDR BIAS	3.9324	3.9232	-0.0092
22	50	HDR BIAS	3.9426	3.9485	0.0059
23	50	HDR BIAS	3.9474	3.9435	-0.0039
24	50	HDR BIAS	3.9179	3.9132	-0.0047
25	50	HDR BIAS	3.9271	3.9232	-0.0039
26	50	HDR UNBIAS	3.9222	3.9129	-0.0093
27	50	HDR UNBIAS	3.913	3.9079	-0.0051
28	50	HDR UNBIAS	3.9329	3.9232	-0.0097
29	50	HDR UNBIAS	3.9274	3.9178	-0.0096
30	50	HDR UNBIAS	3.9373	3.9276	-0.0097
41	0	CORRELATION	3.9276	3.9278	0.0002
42	0	CORRELATION	3.9224	3.9232	0.0008
43	0	CORRELATION	3.9222	3.9232	0.001
45	0	CORRELATION	3.9127	3.9176	0.0049

Test Statistics (V)

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	3.9127	3.9212	3.9276	0.0062088	3.9176	3.923	3.9278	0.0041741	0.0002	0.001725	0.0049	0.0021438
20	3.898	3.9159	3.9371	0.01437	3.8982	3.9171	3.9385	0.01451	-0.0042	0.00124	0.0057	0.0027044
30	3.9075	3.921	3.938	0.010612	3.9029	3.9182	3.9332	0.0095197	-0.0094	-0.00281	0.0064	0.0043641
50	3.913	3.93	3.9474	0.010752	3.9079	3.9241	3.9485	0.01305	-0.0097	-0.00592	0.0059	0.0048801

Device Test: 15.12 THRESHOLD|HYST/BP5L/12/10////@V_BP5L_TH_HYST





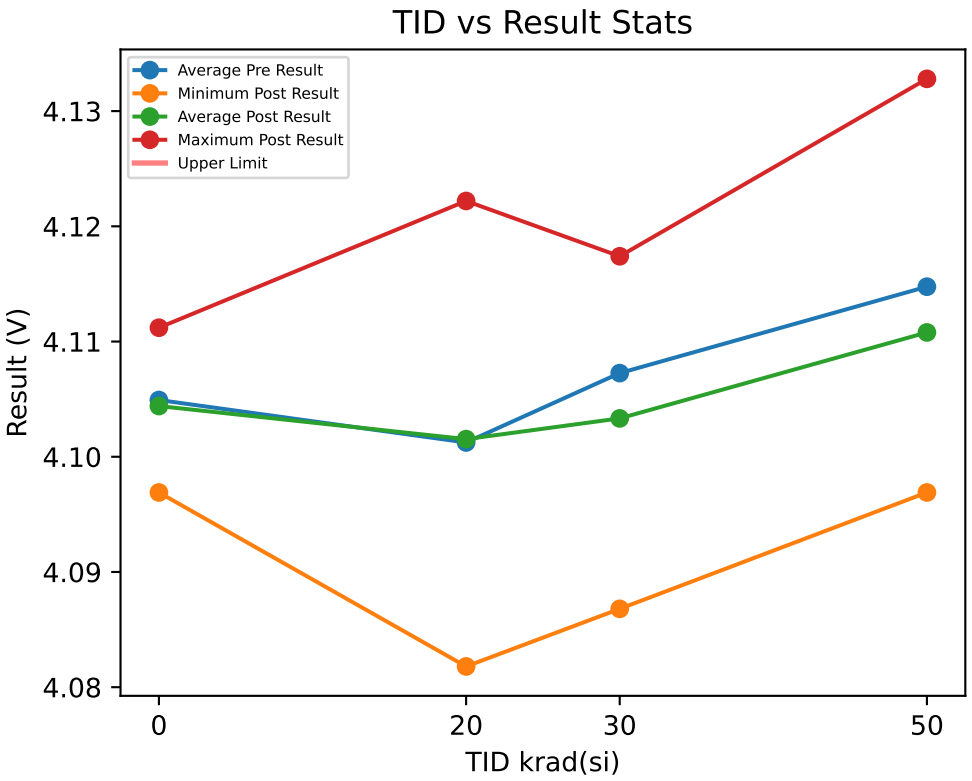
Test Results (No Limits Specified (V))

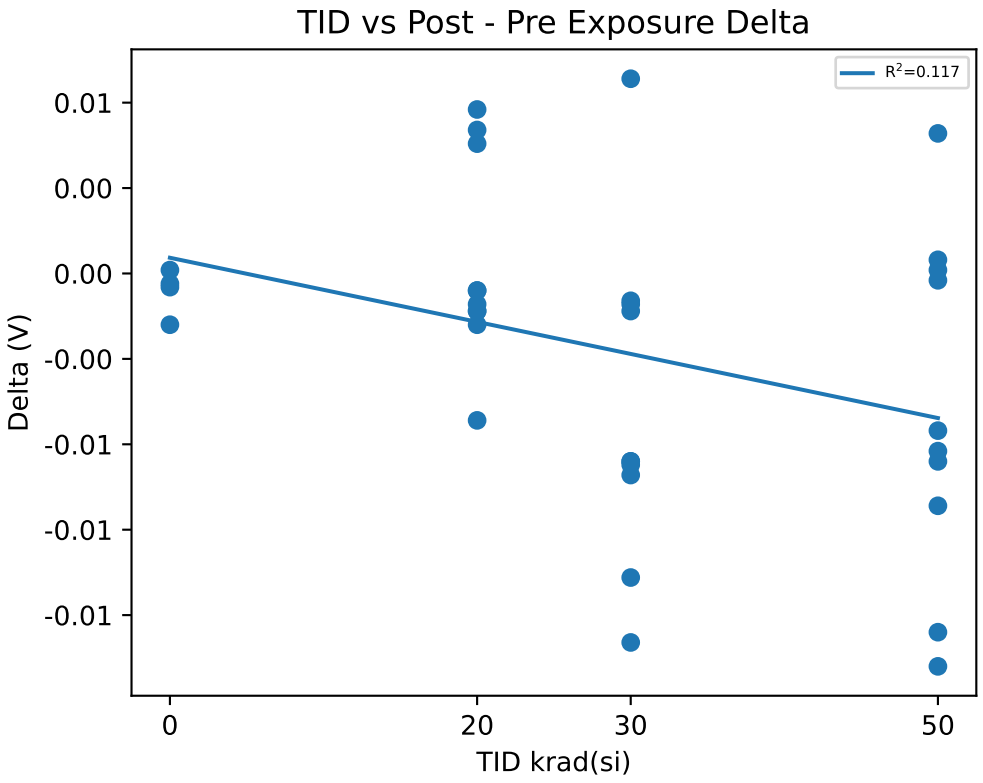
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	20	HDR BIAS	0.18	0.1802	0.0002
2	20	HDR BIAS	0.1911	0.1846	-0.0065
3	20	HDR BIAS	0.1853	0.1836	-0.0017
4	20	HDR BIAS	0.1855	0.1846	-0.0009
5	20	HDR BIAS	0.184	0.1833	-0.0007
6	20	HDR UNBIAS	0.1861	0.1836	-0.0025
7	20	HDR UNBIAS	0.18	0.1843	0.0043
8	20	HDR UNBIAS	0.1858	0.1839	-0.0019
9	20	HDR UNBIAS	0.1834	0.1836	0.0002
10	20	HDR UNBIAS	0.1855	0.1846	-0.0009
11	30	HDR BIAS	0.1859	0.1893	0.0034
12	30	HDR BIAS	0.1858	0.1839	-0.0019
13	30	HDR BIAS	0.1837	0.1793	-0.0044
14	30	HDR BIAS	0.1855	0.1839	-0.0016
15	30	HDR BIAS	0.1803	0.1843	0.004
16	30	HDR UNBIAS	0.1852	0.1839	-0.0013
17	30	HDR UNBIAS	0.1809	0.1793	-0.0016
18	30	HDR UNBIAS	0.1867	0.1902	0.0035
19	30	HDR UNBIAS	0.18	0.1839	0.0039
20	30	HDR UNBIAS	0.1858	0.1886	0.0028
21	50	HDR BIAS	0.1803	0.1849	0.0046
22	50	HDR BIAS	0.1852	0.1839	-0.0013
23	50	HDR BIAS	0.184	0.183	-0.001
24	50	HDR BIAS	0.1808	0.1846	0.0038
25	50	HDR BIAS	0.1847	0.1889	0.0042
26	50	HDR UNBIAS	0.1858	0.1849	-0.0009
27	50	HDR UNBIAS	0.1847	0.1896	0.0049
28	50	HDR UNBIAS	0.1798	0.1889	0.0091
29	50	HDR UNBIAS	0.1847	0.1852	0.0005
30	50	HDR UNBIAS	0.1914	0.1886	-0.0028
41	0	CORRELATION	0.1848	0.1836	-0.0012
42	0	CORRELATION	0.1837	0.1833	-0.0004
43	0	CORRELATION	0.1808	0.1793	-0.0015
45	0	CORRELATION	0.185	0.1799	-0.0051

Test Statistics (V)

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	0.1808	0.18357	0.185	0.0019363	0.1793	0.18152	0.1836	0.0022396	-0.0051	-0.00205	-0.0004	0.0020857
20	0.18	0.18467	0.1911	0.0031993	0.1802	0.18363	0.1846	0.0013005	-0.0065	-0.00104	0.0043	0.0026846
30	0.18	0.18398	0.1867	0.0025918	0.1793	0.18466	0.1902	0.003766	-0.0044	0.00068	0.004	0.0031272
50	0.1798	0.18414	0.1914	0.0033712	0.183	0.18625	0.1896	0.0024573	-0.0028	0.00211	0.0091	0.0037584

Device Test: 15.13 THRESHOLD|RISE/BP5L/14/14////@V_BP5L_TH_RISE





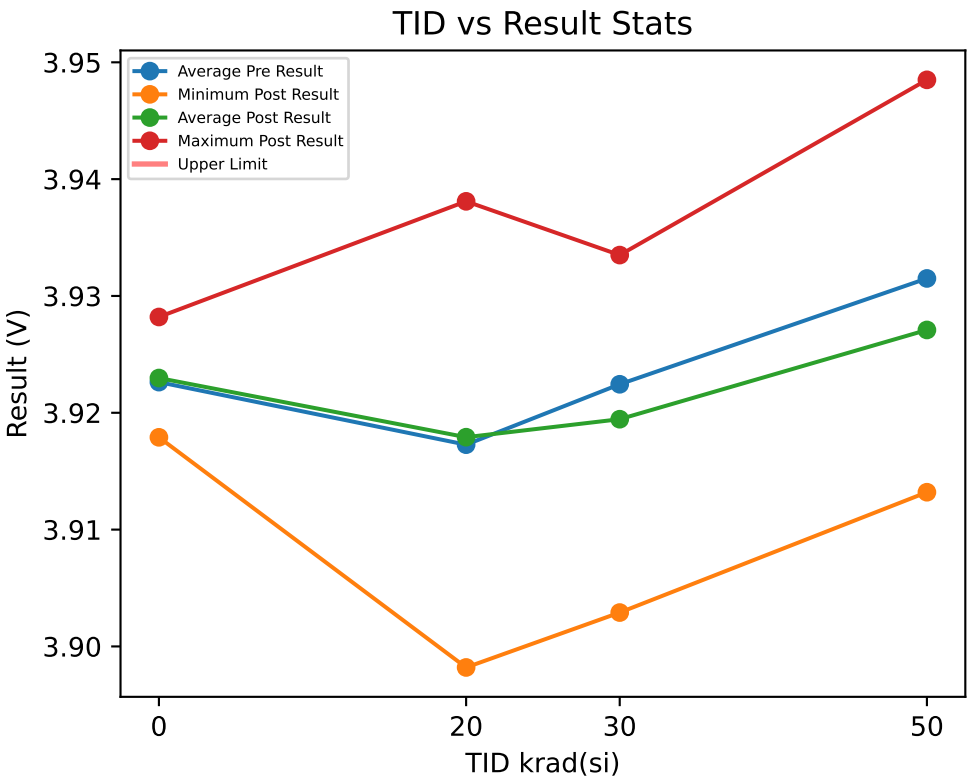
Test Results (No Limits Specified (V))

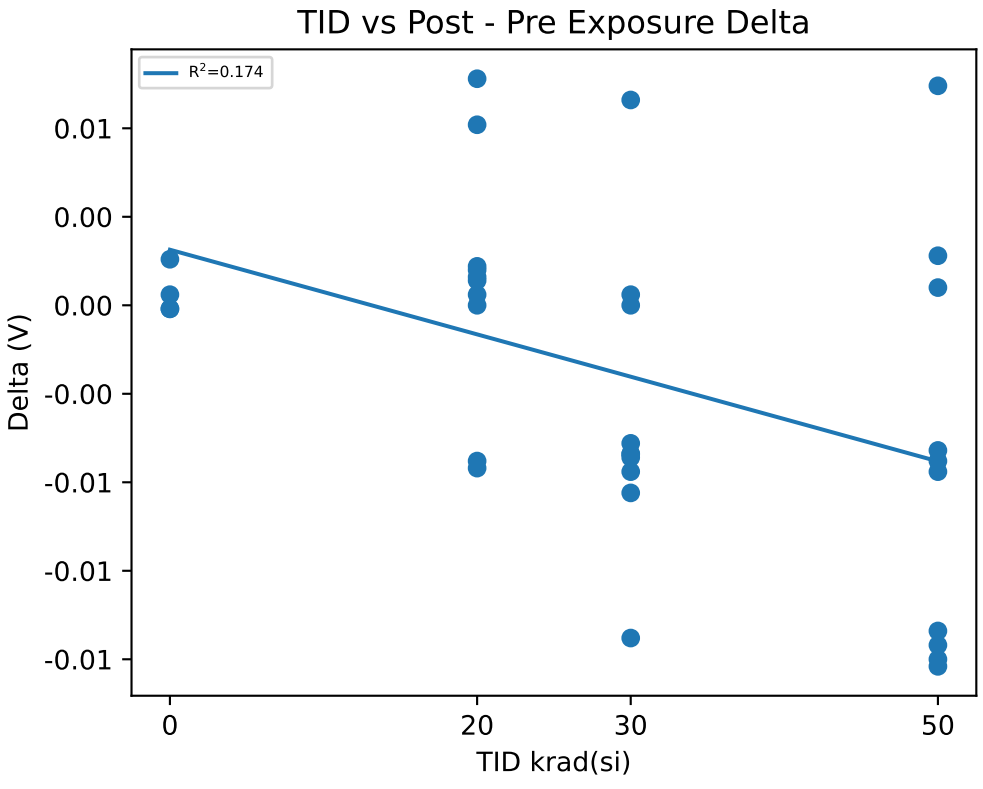
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	20	HDR BIAS	4.0923	4.0971	0.0048
2	20	HDR BIAS	4.1033	4.1022	-0.0011
3	20	HDR BIAS	4.1223	4.1218	-0.0005
4	20	HDR BIAS	4.1184	4.1222	0.0038
5	20	HDR BIAS	4.117	4.1127	-0.0043
6	20	HDR UNBIAS	4.0874	4.0869	-0.0005
7	20	HDR UNBIAS	4.1073	4.1115	0.0042
8	20	HDR UNBIAS	4.094	4.0925	-0.0015
9	20	HDR UNBIAS	4.0827	4.0818	-0.0009
10	20	HDR UNBIAS	4.0877	4.0866	-0.0011
11	30	HDR BIAS	4.1123	4.1068	-0.0055
12	30	HDR BIAS	4.118	4.1072	-0.0108
13	30	HDR BIAS	4.1076	4.0987	-0.0089
14	30	HDR BIAS	4.1127	4.1072	-0.0055
15	30	HDR BIAS	4.0927	4.0868	-0.0059
16	30	HDR UNBIAS	4.093	4.0919	-0.0011
17	30	HDR UNBIAS	4.0973	4.103	0.0057
18	30	HDR UNBIAS	4.0986	4.0978	-0.0008
19	30	HDR UNBIAS	4.123	4.1174	-0.0056
20	30	HDR UNBIAS	4.1174	4.1165	-0.0009
21	50	HDR BIAS	4.1126	4.108	-0.0046
22	50	HDR BIAS	4.1287	4.1328	0.0041
23	50	HDR BIAS	4.132	4.1268	-0.0052
24	50	HDR BIAS	4.1037	4.0969	-0.0068
25	50	HDR BIAS	4.1117	4.1118	0.0001
26	50	HDR UNBIAS	4.1083	4.0978	-0.0105
27	50	HDR UNBIAS	4.097	4.0974	0.0004
28	50	HDR UNBIAS	4.113	4.1128	-0.0002
29	50	HDR UNBIAS	4.1126	4.1071	-0.0055
30	50	HDR UNBIAS	4.128	4.1165	-0.0115
41	0	CORRELATION	4.1127	4.1112	-0.0015
42	0	CORRELATION	4.1064	4.1065	0.0001
43	0	CORRELATION	4.1033	4.103	-0.0003
45	0	CORRELATION	4.0973	4.0969	-0.0004

Test Statistics (V)

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	4.0973	4.1049	4.1127	0.0064137	4.0969	4.1044	4.1112	0.0060238	-0.0015	-0.000525	0.0001	0.00068496
20	4.0827	4.1012	4.1223	0.014446	4.0818	4.1015	4.1222	0.01487	-0.0043	0.00029	0.0048	0.002958
30	4.0927	4.1073	4.123	0.011108	4.0868	4.1033	4.1174	0.0098286	-0.0108	-0.00393	0.0057	0.0047519
50	4.097	4.1148	4.132	0.011393	4.0969	4.1108	4.1328	0.012206	-0.0115	-0.00397	0.0041	0.0050178

Device Test: 15.14 THRESHOLD|FALL/BP5L/14/14////@V_BP5L_TH_FALL





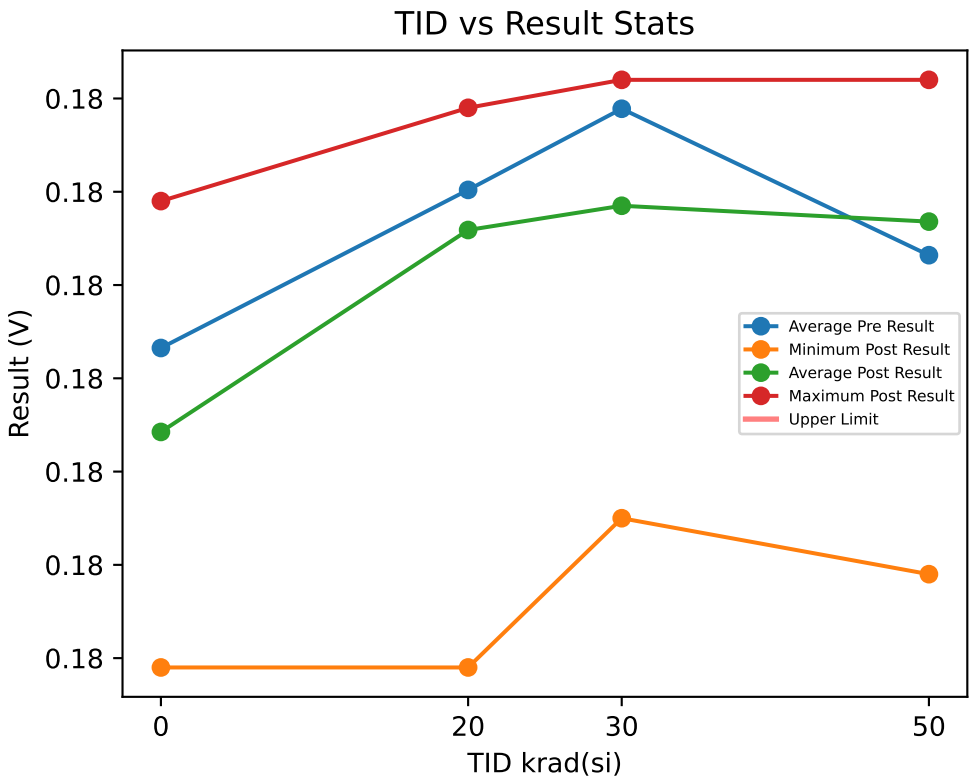
Test Results (No Limits Specified (V))

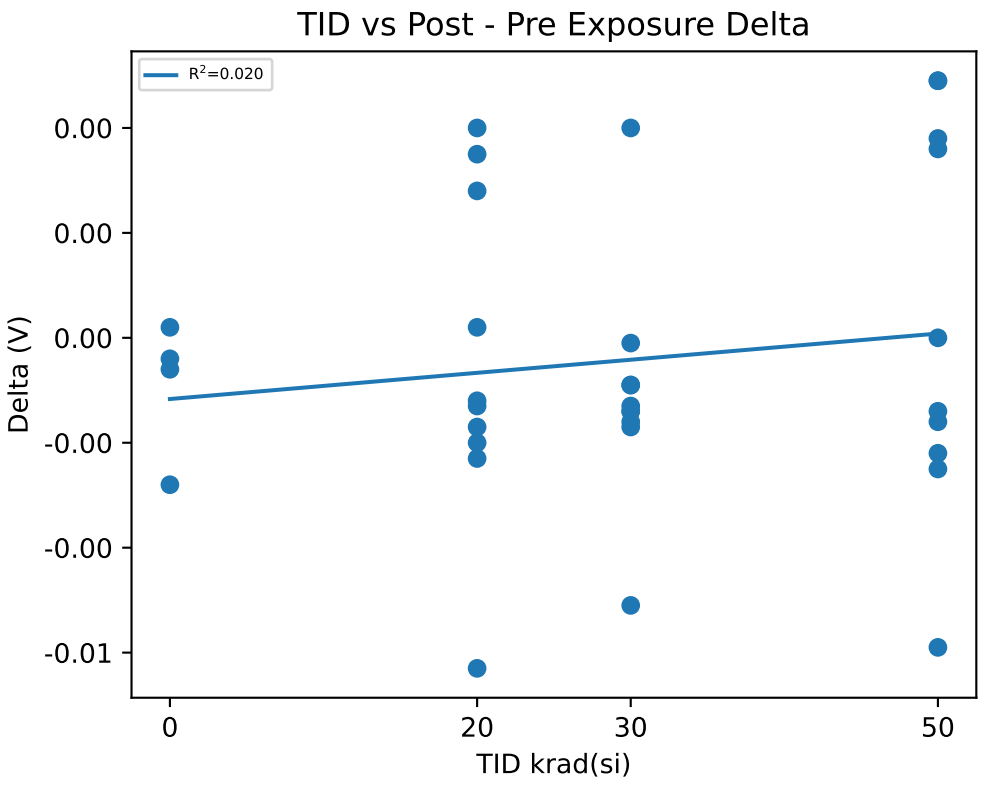
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	20	HDR BIAS	3.9121	3.9129	0.0008
2	20	HDR BIAS	3.9176	3.9176	0
3	20	HDR BIAS	3.9371	3.9381	0.001
4	20	HDR BIAS	3.9373	3.9376	0.0003
5	20	HDR BIAS	3.9324	3.9278	-0.0046
6	20	HDR UNBIAS	3.9019	3.9026	0.0007
7	20	HDR UNBIAS	3.9221	3.9285	0.0064
8	20	HDR UNBIAS	3.9126	3.9082	-0.0044
9	20	HDR UNBIAS	3.8971	3.8982	0.0011
10	20	HDR UNBIAS	3.9025	3.9076	0.0051
11	30	HDR BIAS	3.9271	3.9228	-0.0043
12	30	HDR BIAS	3.9323	3.9229	-0.0094
13	30	HDR BIAS	3.9221	3.9182	-0.0039
14	30	HDR BIAS	3.9279	3.9232	-0.0047
15	30	HDR BIAS	3.9071	3.9029	-0.0042
16	30	HDR UNBIAS	3.9129	3.9076	-0.0053
17	30	HDR UNBIAS	3.9124	3.9182	0.0058
18	30	HDR UNBIAS	3.9126	3.9126	0
19	30	HDR UNBIAS	3.9377	3.9335	-0.0042
20	30	HDR UNBIAS	3.9323	3.9326	0.0003
21	50	HDR BIAS	3.9324	3.9228	-0.0096
22	50	HDR BIAS	3.9423	3.9485	0.0062
23	50	HDR BIAS	3.953	3.9428	-0.0102
24	50	HDR BIAS	3.9176	3.9132	-0.0044
25	50	HDR BIAS	3.9271	3.9285	0.0014
26	50	HDR UNBIAS	3.9226	3.9179	-0.0047
27	50	HDR UNBIAS	3.9127	3.9132	0.0005
28	50	HDR UNBIAS	3.9323	3.9282	-0.0041
29	50	HDR UNBIAS	3.9324	3.9232	-0.0092
30	50	HDR UNBIAS	3.9426	3.9326	-0.01
41	0	CORRELATION	3.9269	3.9282	0.0013
42	0	CORRELATION	3.9227	3.9226	-0.0001
43	0	CORRELATION	3.9229	3.9232	0.0003
45	0	CORRELATION	3.918	3.9179	-0.0001

Test Statistics (V)

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	3.918	3.9226	3.9269	0.0036399	3.9179	3.923	3.9282	0.004213	-0.0001	0.00035	0.0013	0.00066081
20	3.8971	3.9173	3.9373	0.014744	3.8982	3.9179	3.9381	0.014353	-0.0046	0.00064	0.0064	0.0034452
30	3.9071	3.9224	3.9377	0.010556	3.9029	3.9194	3.9335	0.0098426	-0.0094	-0.00299	0.0058	0.0041076
50	3.9127	3.9315	3.953	0.012246	3.9132	3.9271	3.9485	0.01175	-0.0102	-0.00441	0.0062	0.00563

Device Test: 15.15 THRESHOLD|HYST/BP5L/14/14////@V_BP5L_TH_HYST





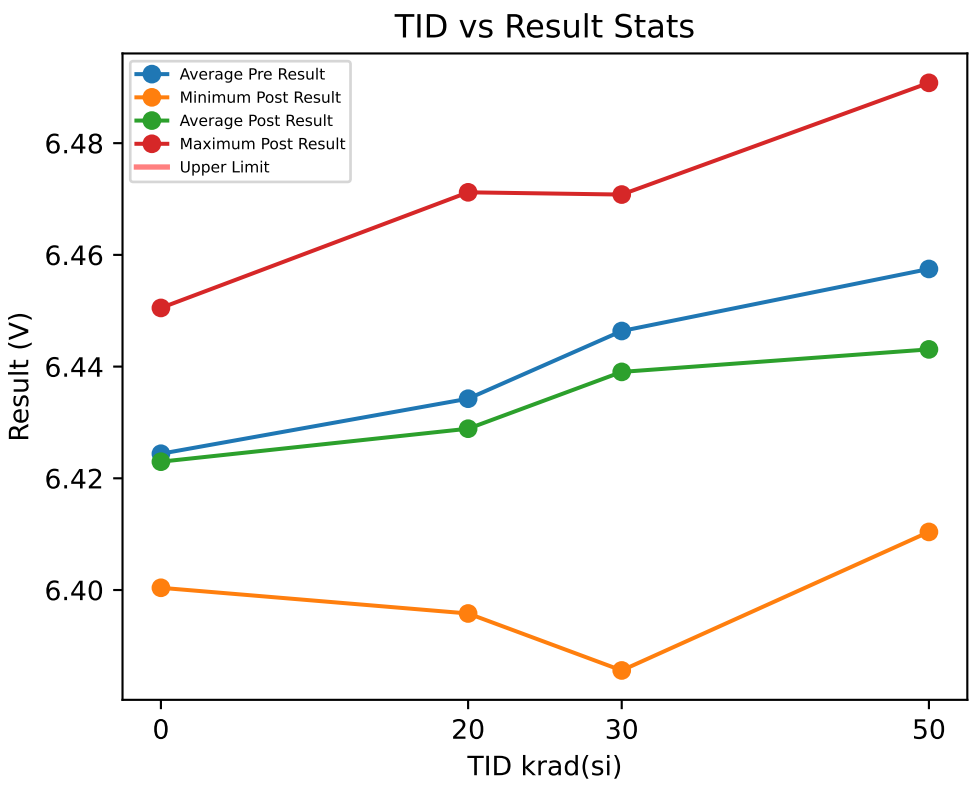
Test Results (No Limits Specified (V))

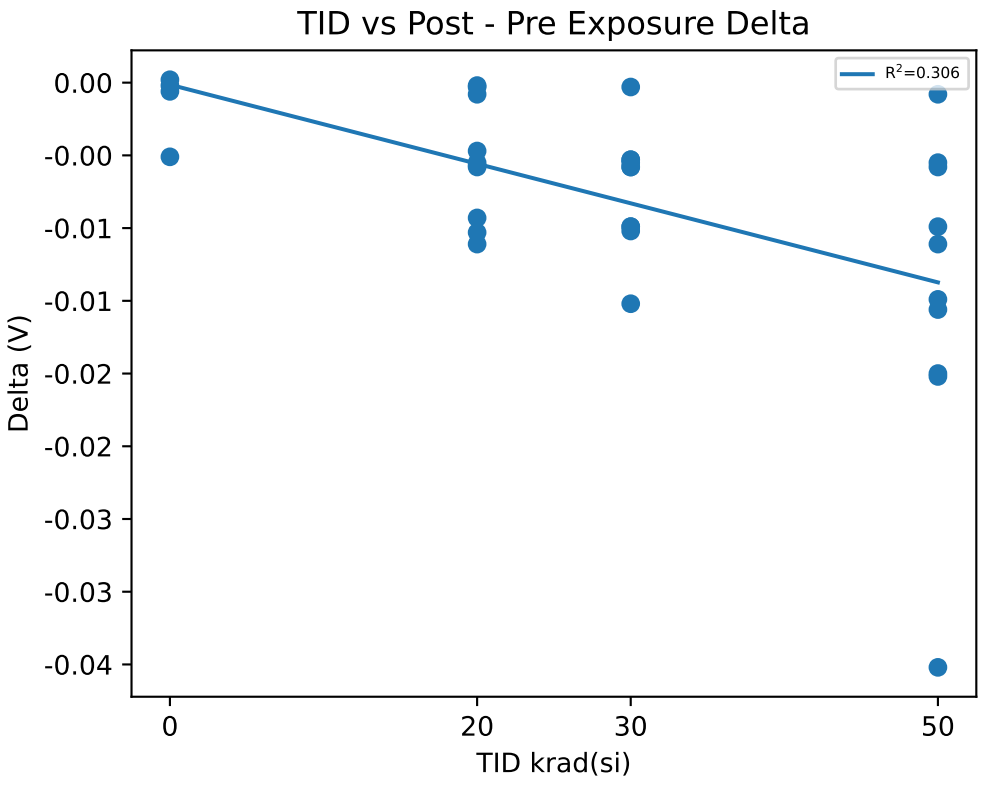
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	20	HDR BIAS	0.1803	0.1843	0.004
2	20	HDR BIAS	0.1858	0.1846	-0.0012
3	20	HDR BIAS	0.1853	0.1836	-0.0017
4	20	HDR BIAS	0.1811	0.1846	0.0035
5	20	HDR BIAS	0.1847	0.1849	0.0002
6	20	HDR UNBIAS	0.1855	0.1842	-0.0013
7	20	HDR UNBIAS	0.1853	0.183	-0.0023
8	20	HDR UNBIAS	0.1814	0.1842	0.0028
9	20	HDR UNBIAS	0.1856	0.1836	-0.002
10	20	HDR UNBIAS	0.1852	0.1789	-0.0063
11	30	HDR BIAS	0.1853	0.1839	-0.0014
12	30	HDR BIAS	0.1858	0.1842	-0.0016
13	30	HDR BIAS	0.1856	0.1805	-0.0051
14	30	HDR BIAS	0.1848	0.1839	-0.0009
15	30	HDR BIAS	0.1856	0.1839	-0.0017
16	30	HDR UNBIAS	0.1802	0.1842	0.004
17	30	HDR UNBIAS	0.185	0.1849	-0.0001
18	30	HDR UNBIAS	0.1861	0.1852	-0.0009
19	30	HDR UNBIAS	0.1853	0.1839	-0.0014
20	30	HDR UNBIAS	0.1852	0.1839	-0.0013
21	50	HDR BIAS	0.1803	0.1852	0.0049
22	50	HDR BIAS	0.1864	0.1842	-0.0022
23	50	HDR BIAS	0.179	0.1839	0.0049
24	50	HDR BIAS	0.1861	0.1836	-0.0025
25	50	HDR BIAS	0.1847	0.1833	-0.0014
26	50	HDR UNBIAS	0.1858	0.1799	-0.0059
27	50	HDR UNBIAS	0.1843	0.1843	0
28	50	HDR UNBIAS	0.1808	0.1846	0.0038
29	50	HDR UNBIAS	0.1803	0.1839	0.0036
30	50	HDR UNBIAS	0.1855	0.1839	-0.0016
41	0	CORRELATION	0.1858	0.183	-0.0028
42	0	CORRELATION	0.1837	0.1839	0.0002
43	0	CORRELATION	0.1805	0.1799	-0.0006
45	0	CORRELATION	0.1793	0.1789	-0.0004

Test Statistics (V)

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	0.1793	0.18232	0.1858	0.0029691	0.1789	0.18143	0.1839	0.0024019	-0.0028	-0.0009	0.0002	0.0013115
20	0.1803	0.18402	0.1858	0.0021658	0.1789	0.18359	0.1849	0.0017432	-0.0063	-0.00043	0.004	0.0031496
30	0.1802	0.18489	0.1861	0.0016914	0.1805	0.18385	0.1852	0.0012651	-0.0051	-0.00104	0.004	0.0022082
50	0.179	0.18332	0.1864	0.002872	0.1799	0.18368	0.1852	0.0014297	-0.0059	0.00036	0.0049	0.00372

Device Test: 15.16 THRESHOLD|RISE/BP7L/10/8////@V_BP7L_TH_RISE





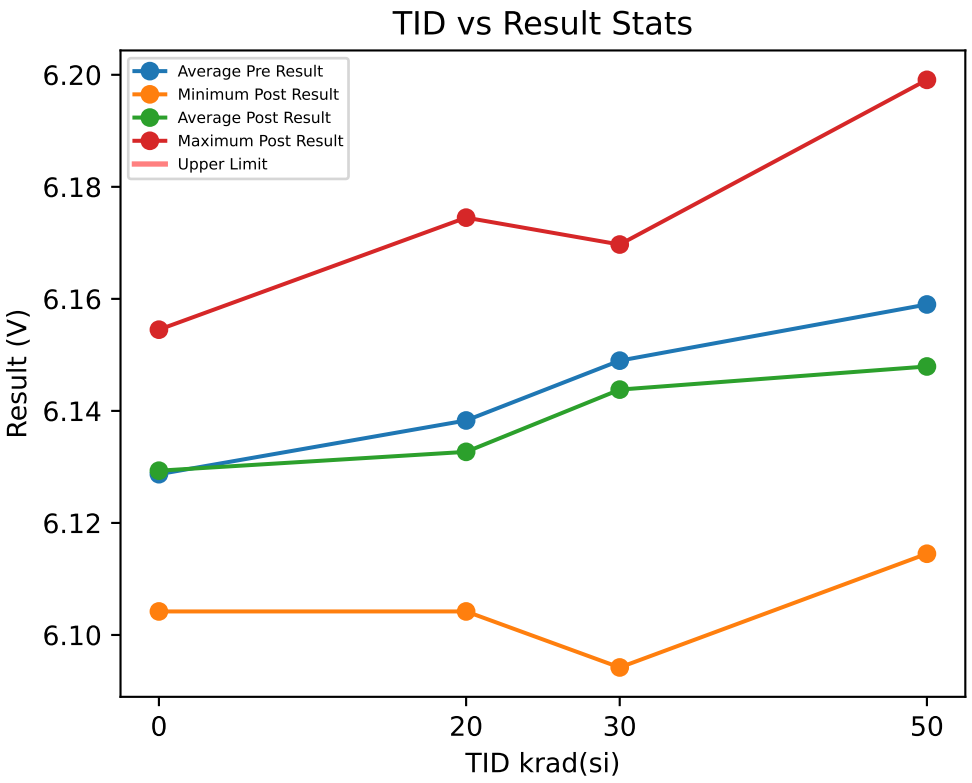
Test Results (No Limits Specified (V))

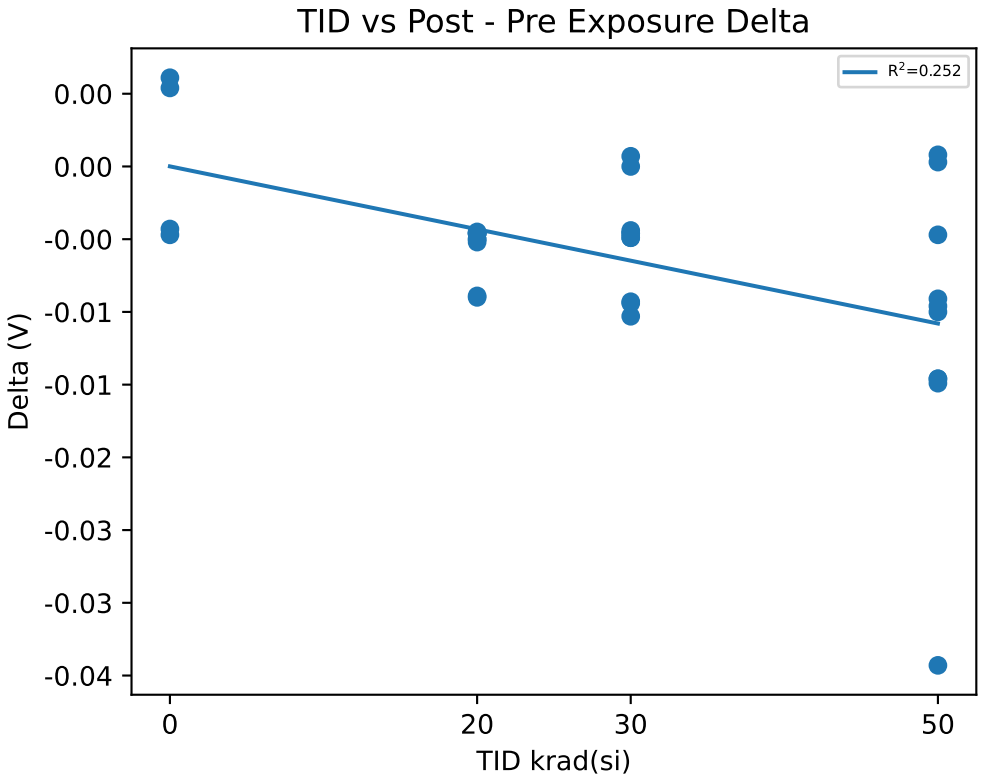
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	20	HDR BIAS	6.4209	6.4106	-0.0103
2	20	HDR BIAS	6.4353	6.4298	-0.0055
3	20	HDR BIAS	6.4661	6.4659	-0.0002
4	20	HDR BIAS	6.4359	6.4351	-0.0008
5	20	HDR BIAS	6.4805	6.4712	-0.0093
6	20	HDR UNBIAS	6.4156	6.4098	-0.0058
7	20	HDR UNBIAS	6.4309	6.4306	-0.0003
8	20	HDR UNBIAS	6.4005	6.3958	-0.0047
9	20	HDR UNBIAS	6.4309	6.4252	-0.0057
10	20	HDR UNBIAS	6.4259	6.4148	-0.0111
11	30	HDR BIAS	6.4558	6.4459	-0.0099
12	30	HDR BIAS	6.4715	6.4657	-0.0058
13	30	HDR BIAS	6.4408	6.4309	-0.0099
14	30	HDR BIAS	6.4356	6.4301	-0.0055
15	30	HDR BIAS	6.4259	6.4206	-0.0053
16	30	HDR UNBIAS	6.4353	6.4251	-0.0102
17	30	HDR UNBIAS	6.3909	6.3856	-0.0053
18	30	HDR UNBIAS	6.4759	6.4607	-0.0152
19	30	HDR UNBIAS	6.4711	6.4708	-0.0003
20	30	HDR UNBIAS	6.4609	6.4551	-0.0058
21	50	HDR BIAS	6.5108	6.4908	-0.02
22	50	HDR BIAS	6.4562	6.4554	-0.0008
23	50	HDR BIAS	6.4558	6.4156	-0.0402
24	50	HDR BIAS	6.4265	6.4154	-0.0111
25	50	HDR BIAS	6.4708	6.4559	-0.0149
26	50	HDR UNBIAS	6.4866	6.471	-0.0156
27	50	HDR UNBIAS	6.4455	6.4356	-0.0099
28	50	HDR UNBIAS	6.4509	6.4451	-0.0058
29	50	HDR UNBIAS	6.4558	6.4356	-0.0202
30	50	HDR UNBIAS	6.4159	6.4104	-0.0055
41	0	CORRELATION	6.4503	6.4505	0.0002
42	0	CORRELATION	6.4355	6.4304	-0.0051
43	0	CORRELATION	6.4112	6.4106	-0.0006
45	0	CORRELATION	6.4006	6.4004	-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	6.4006	6.4244	6.4503	0.022618	6.4004	6.423	6.4505	0.022178	-0.0051	-0.001425	0.0002	0.0024717
20	6.4005	6.4343	6.4805	0.023368	6.3958	6.4289	6.4712	0.024056	-0.0111	-0.00537	-0.0002	0.0040368
30	6.3909	6.4464	6.4759	0.026206	6.3856	6.439	6.4708	0.025884	-0.0152	-0.00732	-0.0003	0.0040699
50	6.4159	6.4575	6.5108	0.027389	6.4104	6.4431	6.4908	0.025988	-0.0402	-0.0144	-0.0008	0.011063

Device Test: 15.17 THRESHOLD|FALL/BP7L/10/8////@V_BP7L_TH_FALL





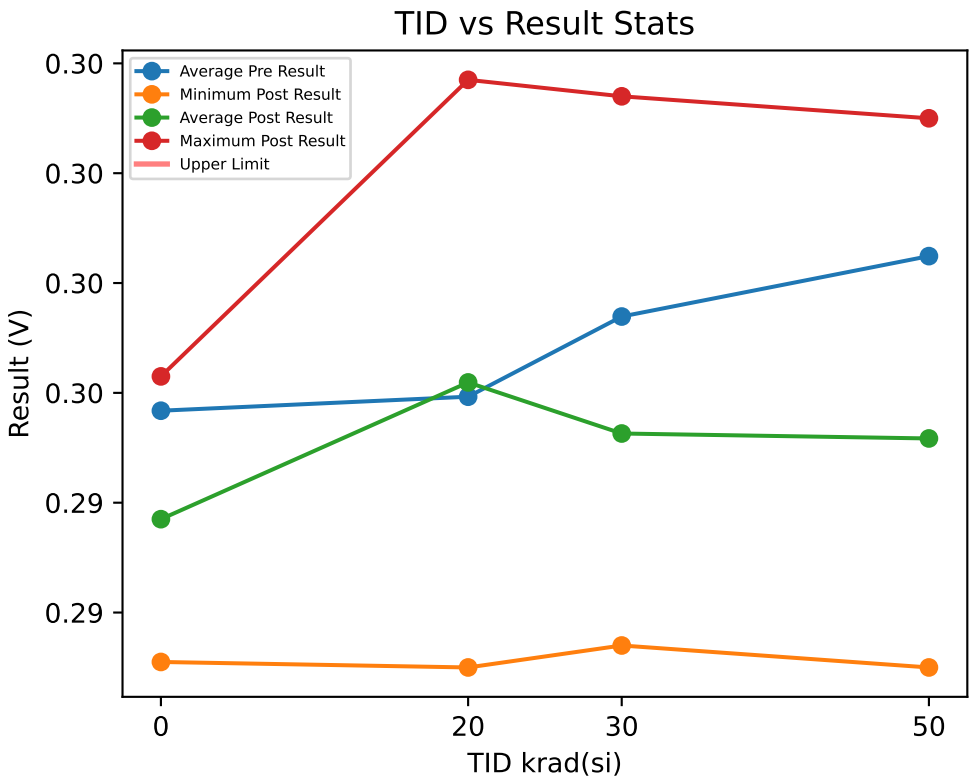
Test Results (No Limits Specified (V))

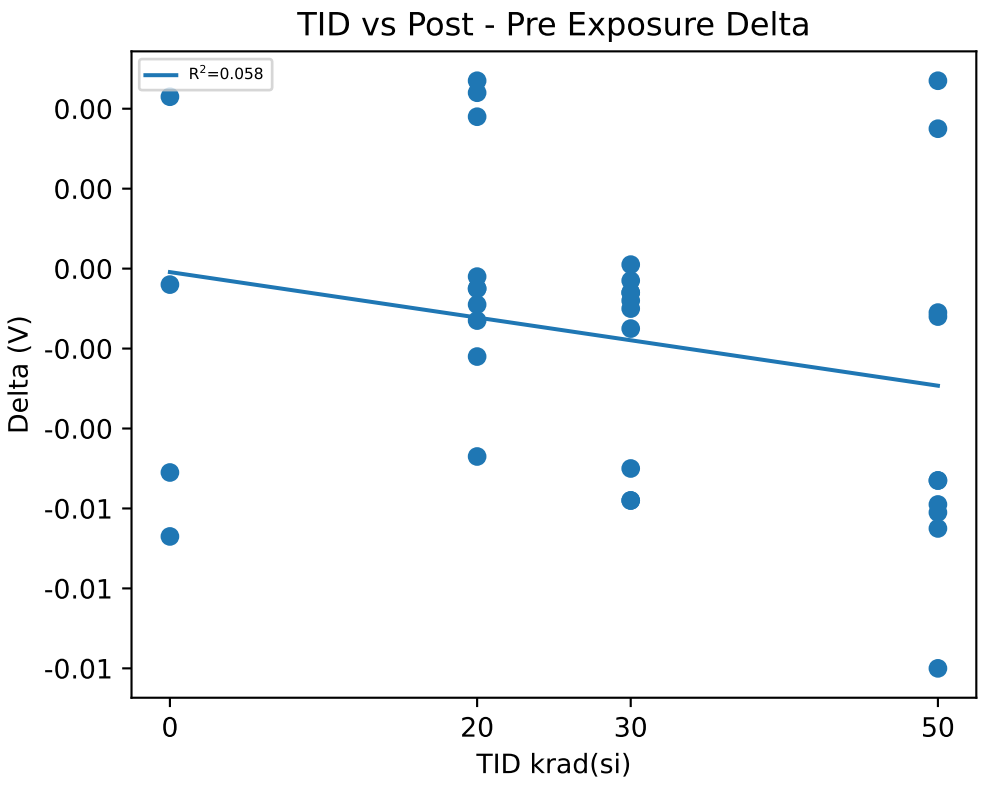
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	20	HDR BIAS	6.1285	6.1195	-0.009
2	20	HDR BIAS	6.1391	6.1341	-0.005
3	20	HDR BIAS	6.1691	6.1641	-0.005
4	20	HDR BIAS	6.1384	6.1338	-0.0046
5	20	HDR BIAS	6.1791	6.1745	-0.0046
6	20	HDR UNBIAS	6.124	6.1188	-0.0052
7	20	HDR UNBIAS	6.1388	6.1342	-0.0046
8	20	HDR UNBIAS	6.1087	6.1042	-0.0045
9	20	HDR UNBIAS	6.1338	6.1292	-0.0046
10	20	HDR UNBIAS	6.1234	6.1145	-0.0089
11	30	HDR BIAS	6.1588	6.1495	-0.0093
12	30	HDR BIAS	6.1741	6.1697	-0.0044
13	30	HDR BIAS	6.1441	6.1392	-0.0049
14	30	HDR BIAS	6.1387	6.1341	-0.0046
15	30	HDR BIAS	6.1341	6.1292	-0.0049
16	30	HDR UNBIAS	6.1394	6.1291	-0.0103
17	30	HDR UNBIAS	6.0988	6.0942	-0.0046
18	30	HDR UNBIAS	6.1738	6.1644	-0.0094
19	30	HDR UNBIAS	6.1688	6.1695	0.0007
20	30	HDR UNBIAS	6.1591	6.1591	0
21	50	HDR BIAS	6.2091	6.1991	-0.01
22	50	HDR BIAS	6.1588	6.1591	0.0003
23	50	HDR BIAS	6.1538	6.1195	-0.0343
24	50	HDR BIAS	6.1291	6.1145	-0.0146
25	50	HDR BIAS	6.1694	6.1598	-0.0096
26	50	HDR UNBIAS	6.1838	6.1747	-0.0091
27	50	HDR UNBIAS	6.1541	6.1395	-0.0146
28	50	HDR UNBIAS	6.1538	6.1491	-0.0047
29	50	HDR UNBIAS	6.1594	6.1445	-0.0149
30	50	HDR UNBIAS	6.1187	6.1195	0.0008
41	0	CORRELATION	6.1491	6.1545	0.0054
42	0	CORRELATION	6.1438	6.1391	-0.0047
43	0	CORRELATION	6.1134	6.1195	0.0061
45	0	CORRELATION	6.1085	6.1042	-0.0043

Test Statistics (V)

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	6.1085	6.1287	6.1491	0.020707	6.1042	6.1293	6.1545	0.022039	-0.0047	0.000625	0.0061	0.005927
20	6.1087	6.1383	6.1791	0.021169	6.1042	6.1327	6.1745	0.021761	-0.009	-0.0056	-0.0045	0.0017808
30	6.0988	6.149	6.1741	0.023093	6.0942	6.1438	6.1697	0.023634	-0.0103	-0.00517	0.0007	0.0037095
50	6.1187	6.159	6.2091	0.025451	6.1145	6.1479	6.1991	0.026706	-0.0343	-0.01107	0.0008	0.0099842

Device Test: 15.18 THRESHOLD|HYST/BP7L/10/8////@V_BP7L_TH_HYST





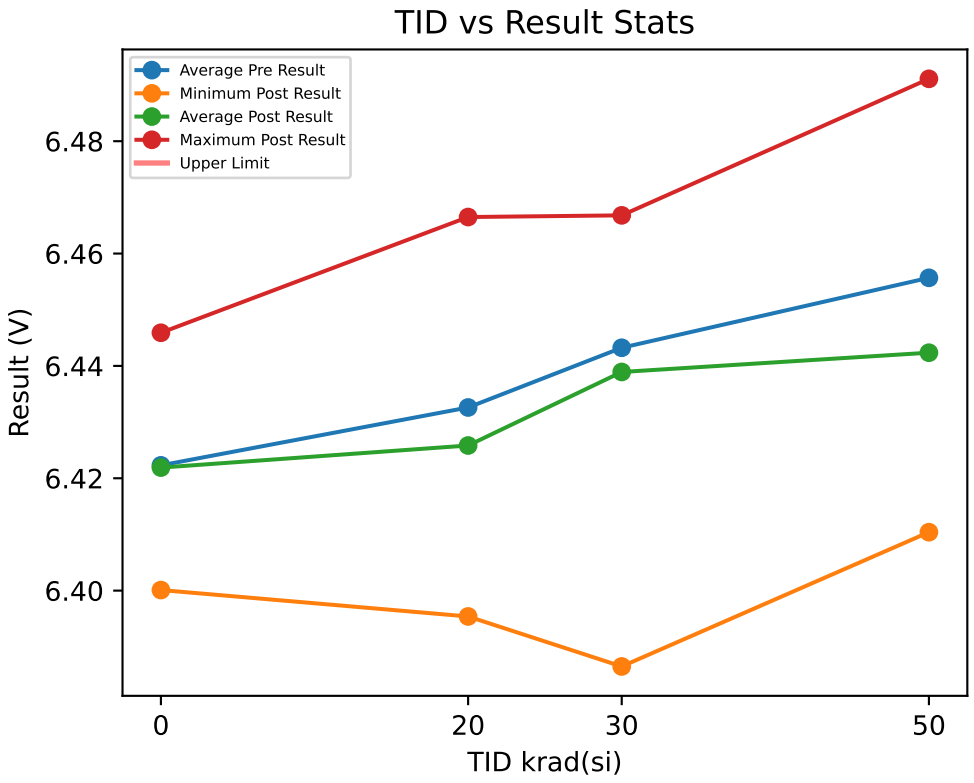
Test Results (No Limits Specified (V))

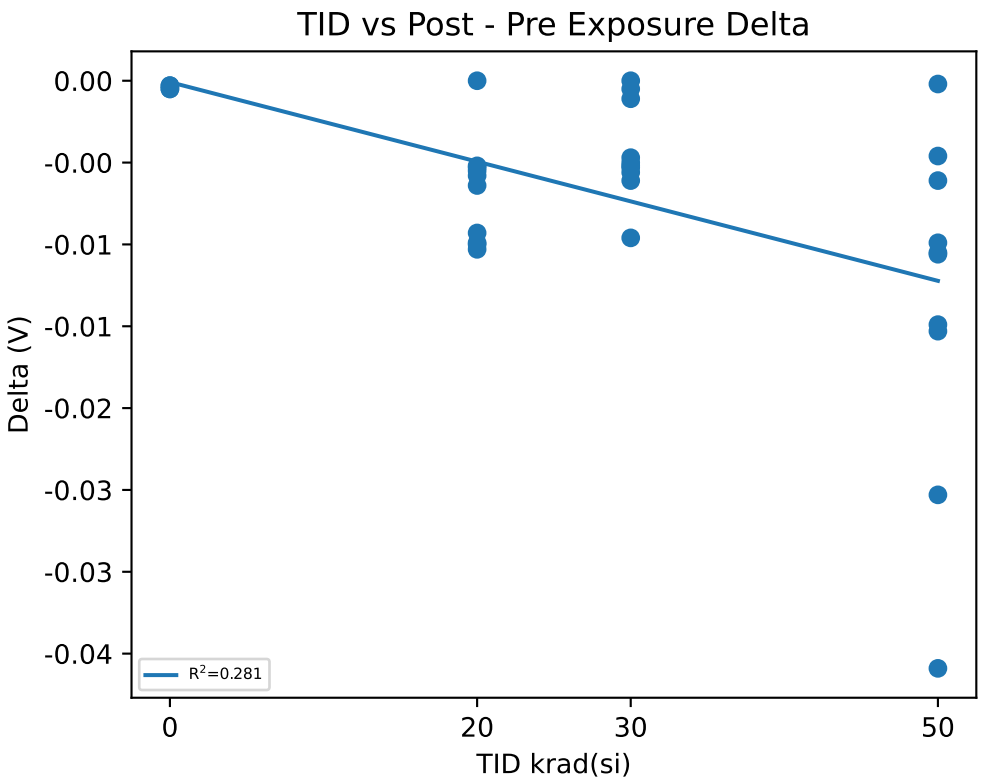
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	20	HDR BIAS	0.2924	0.2911	-0.0013
2	20	HDR BIAS	0.2962	0.2957	-0.0005
3	20	HDR BIAS	0.297	0.3017	0.0047
4	20	HDR BIAS	0.2975	0.3013	0.0038
5	20	HDR BIAS	0.3014	0.2967	-0.0047
6	20	HDR UNBIAS	0.2915	0.291	-0.0005
7	20	HDR UNBIAS	0.292	0.2964	0.0044
8	20	HDR UNBIAS	0.2918	0.2916	-0.0002
9	20	HDR UNBIAS	0.297	0.2961	-0.0009
10	20	HDR UNBIAS	0.3025	0.3003	-0.0022
11	30	HDR BIAS	0.297	0.2964	-0.0006
12	30	HDR BIAS	0.2975	0.296	-0.0015
13	30	HDR BIAS	0.2967	0.2917	-0.005
14	30	HDR BIAS	0.2968	0.296	-0.0008
15	30	HDR BIAS	0.2917	0.2914	-0.0003
16	30	HDR UNBIAS	0.2959	0.296	0.0001
17	30	HDR UNBIAS	0.292	0.2914	-0.0006
18	30	HDR UNBIAS	0.3021	0.2963	-0.0058
19	30	HDR UNBIAS	0.3024	0.3014	-0.001
20	30	HDR UNBIAS	0.3018	0.296	-0.0058
21	50	HDR BIAS	0.3017	0.2917	-0.01
22	50	HDR BIAS	0.2975	0.2963	-0.0012
23	50	HDR BIAS	0.302	0.2961	-0.0059
24	50	HDR BIAS	0.2975	0.301	0.0035
25	50	HDR BIAS	0.3014	0.2961	-0.0053
26	50	HDR UNBIAS	0.3028	0.2963	-0.0065
27	50	HDR UNBIAS	0.2914	0.2961	0.0047
28	50	HDR UNBIAS	0.2971	0.296	-0.0011
29	50	HDR UNBIAS	0.2964	0.2911	-0.0053
30	50	HDR UNBIAS	0.2971	0.291	-0.0061
41	0	CORRELATION	0.3012	0.2961	-0.0051
42	0	CORRELATION	0.2917	0.2913	-0.0004
43	0	CORRELATION	0.2978	0.2911	-0.0067
45	0	CORRELATION	0.292	0.2963	0.0043

Test Statistics (V)

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	0.2917	0.29568	0.3012	0.0046313	0.2911	0.2937	0.2963	0.0028891	-0.0067	-0.001975	0.0043	0.0049648
20	0.2915	0.29593	0.3025	0.0039791	0.291	0.29619	0.3017	0.0040528	-0.0047	0.00026	0.0047	0.0030765
30	0.2917	0.29739	0.3024	0.0038205	0.2914	0.29526	0.3014	0.0030686	-0.0058	-0.00213	0.0001	0.0023949
50	0.2914	0.29849	0.3028	0.0034981	0.291	0.29517	0.301	0.003088	-0.01	-0.00332	0.0047	0.0046811

Device Test: 15.19 THRESHOLD|RISE/BP7L/12/10////@V_BP7L_TH_RISE





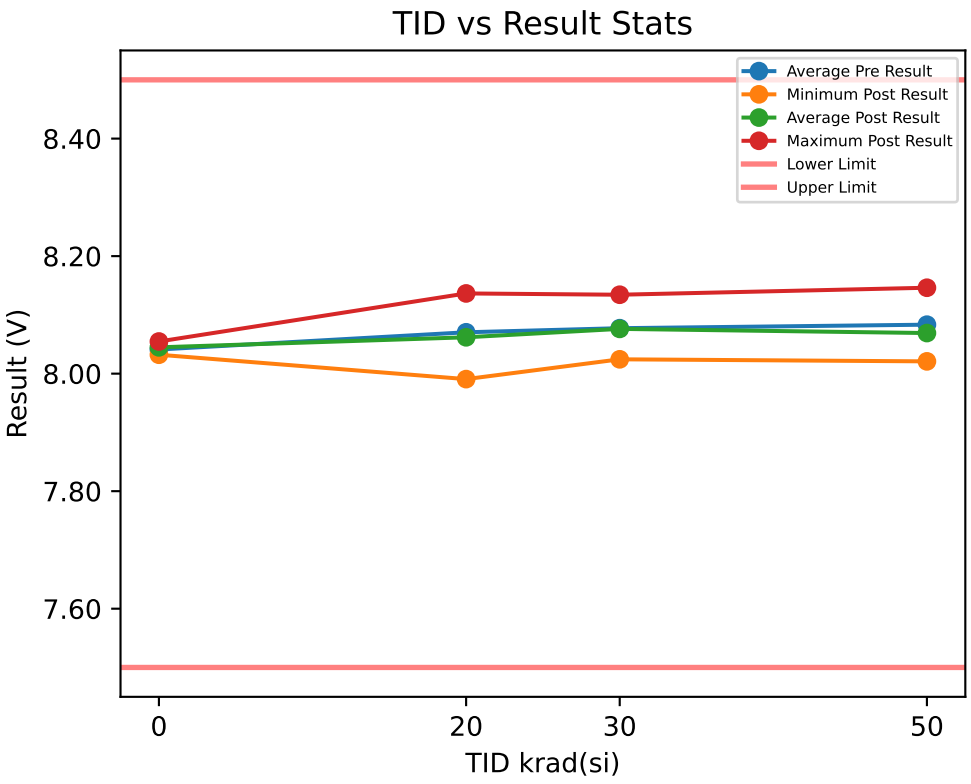
Test Results (No Limits Specified (V))

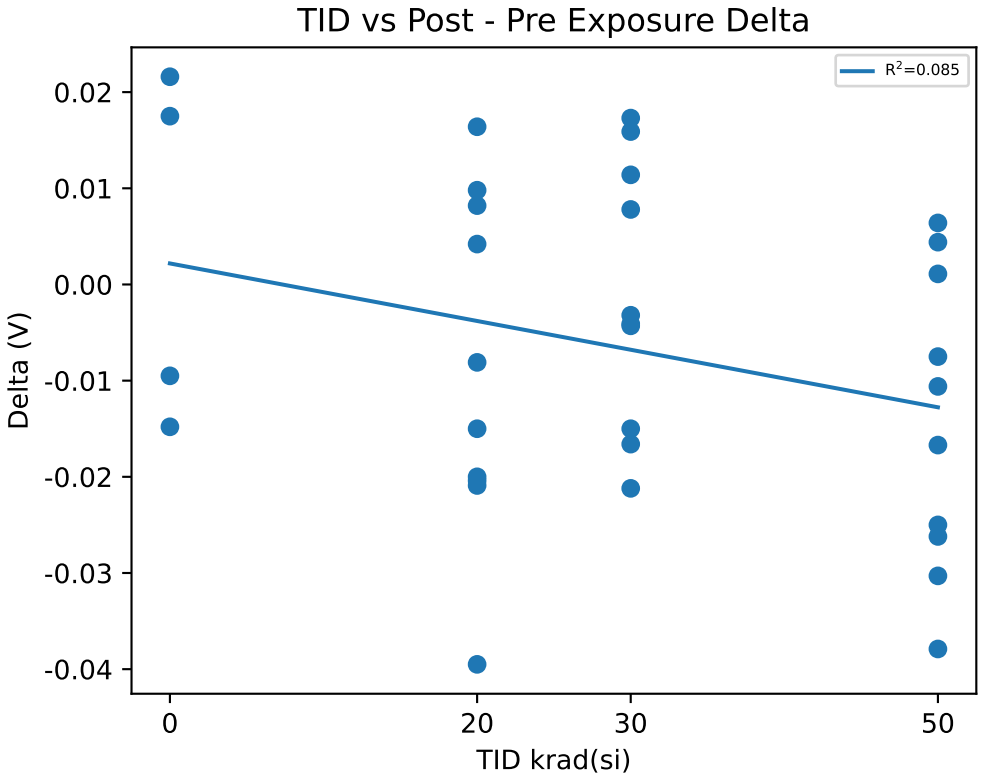
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	20	HDR BIAS	6.4202	6.4109	-0.0093
2	20	HDR BIAS	6.4312	6.4257	-0.0055
3	20	HDR BIAS	6.4665	6.4612	-0.0053
4	20	HDR BIAS	6.4359	6.4307	-0.0052
5	20	HDR BIAS	6.4765	6.4665	-0.01
6	20	HDR UNBIAS	6.4156	6.4057	-0.0099
7	20	HDR UNBIAS	6.4262	6.4262	0
8	20	HDR UNBIAS	6.4012	6.3954	-0.0058
9	20	HDR UNBIAS	6.4312	6.4209	-0.0103
10	20	HDR UNBIAS	6.4215	6.4151	-0.0064
11	30	HDR BIAS	6.4515	6.4459	-0.0056
12	30	HDR BIAS	6.4709	6.4657	-0.0052
13	30	HDR BIAS	6.4362	6.4312	-0.005
14	30	HDR BIAS	6.4315	6.4304	-0.0011
15	30	HDR BIAS	6.4259	6.4206	-0.0053
16	30	HDR UNBIAS	6.4312	6.4251	-0.0061
17	30	HDR UNBIAS	6.3912	6.3865	-0.0047
18	30	HDR UNBIAS	6.4709	6.4613	-0.0096
19	30	HDR UNBIAS	6.4668	6.4668	0
20	30	HDR UNBIAS	6.4562	6.4557	-0.0005
21	50	HDR BIAS	6.5064	6.4911	-0.0153
22	50	HDR BIAS	6.4562	6.456	-0.0002
23	50	HDR BIAS	6.4515	6.4156	-0.0359
24	50	HDR BIAS	6.4209	6.4104	-0.0105
25	50	HDR BIAS	6.4711	6.4562	-0.0149
26	50	HDR UNBIAS	6.4816	6.471	-0.0106
27	50	HDR UNBIAS	6.4458	6.4359	-0.0099
28	50	HDR UNBIAS	6.4503	6.4457	-0.0046
29	50	HDR UNBIAS	6.4565	6.4312	-0.0253
30	50	HDR UNBIAS	6.4165	6.4104	-0.0061
41	0	CORRELATION	6.4462	6.4459	-0.0003
42	0	CORRELATION	6.4312	6.4307	-0.0005
43	0	CORRELATION	6.4112	6.4109	-0.0003
45	0	CORRELATION	6.4006	6.4001	-0.0005

Test Statistics (V)

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	6.4006	6.4223	6.4462	0.020368	6.4001	6.4219	6.4459	0.02041	-0.0005	-0.0004	-0.0003	0.00011547
20	6.4012	6.4326	6.4765	0.022814	6.3954	6.4258	6.4665	0.022663	-0.0103	-0.00677	0	0.0032014
30	6.3912	6.4432	6.4709	0.025083	6.3865	6.4389	6.4668	0.025237	-0.0096	-0.00431	0	0.0029561
50	6.4165	6.4557	6.5064	0.026608	6.4104	6.4424	6.4911	0.026895	-0.0359	-0.01333	-0.0002	0.010473

Device Test: 15.2 THRESHOLD|FALL/VIN//10////@V_IN_TH_FALL





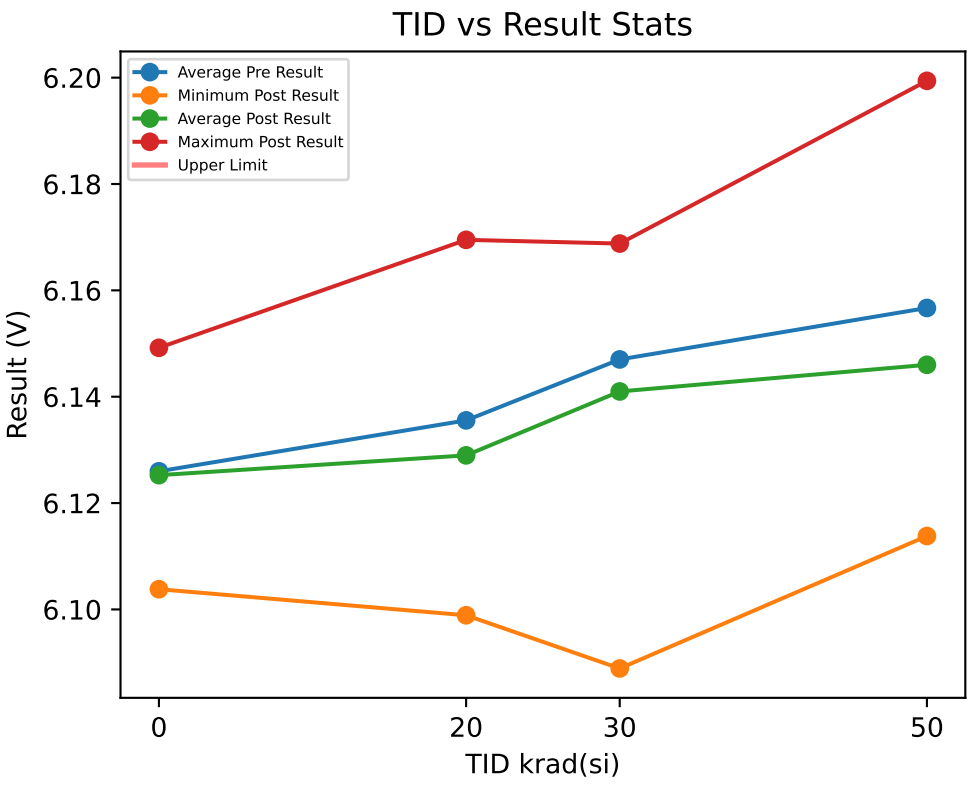
Test Results (Lower Limit = 7.5, Upper Limit = 8.5 (V))

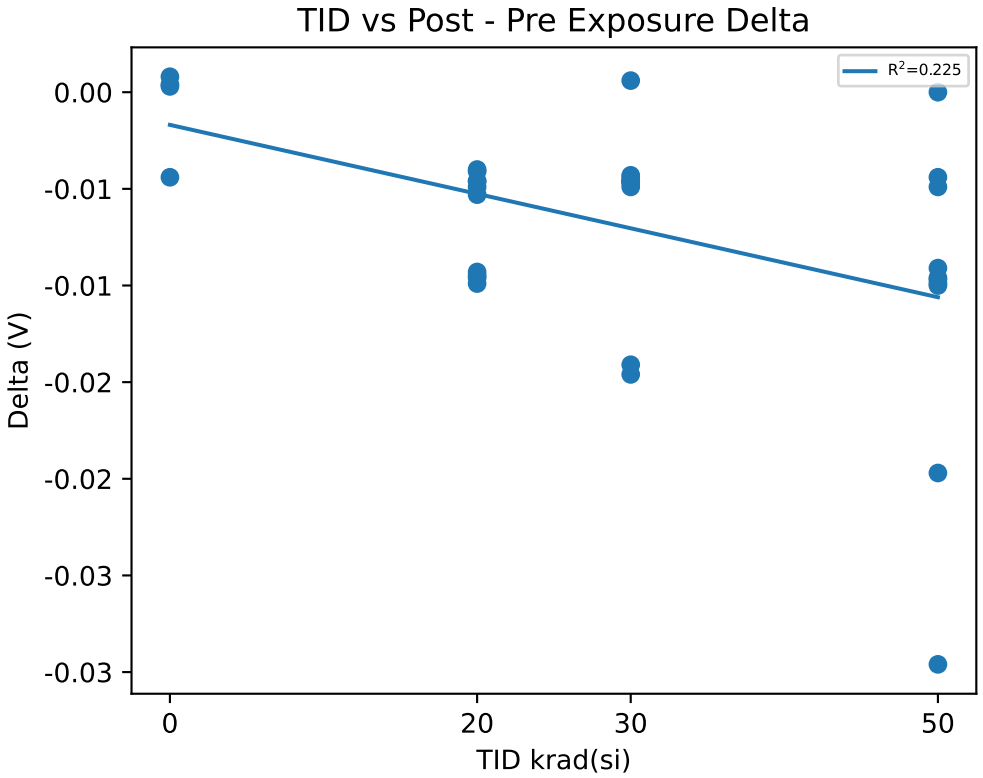
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	20	HDR BIAS	8.0716	8.0516	-0.02
2	20	HDR BIAS	8.0273	8.0437	0.0164
3	20	HDR BIAS	8.1446	8.1365	-0.0081
4	20	HDR BIAS	8.042	8.0462	0.0042
5	20	HDR BIAS	8.1178	8.1028	-0.015
6	20	HDR UNBIAS	8.0976	8.0581	-0.0395
7	20	HDR UNBIAS	8.0597	8.0388	-0.0209
8	20	HDR UNBIAS	8.0585	8.0381	-0.0204
9	20	HDR UNBIAS	7.9825	7.9907	0.0082
10	20	HDR UNBIAS	8.1023	8.1121	0.0098
11	30	HDR BIAS	8.0797	8.0647	-0.015
12	30	HDR BIAS	8.1283	8.1071	-0.0212
13	30	HDR BIAS	8.0644	8.0478	-0.0166
14	30	HDR BIAS	8.0276	8.0244	-0.0032
15	30	HDR BIAS	8.0744	8.0703	-0.0041
16	30	HDR UNBIAS	8.117	8.1343	0.0173
17	30	HDR UNBIAS	8.0784	8.0741	-0.0043
18	30	HDR UNBIAS	8.0241	8.0319	0.0078
19	30	HDR UNBIAS	8.0847	8.1006	0.0159
20	30	HDR UNBIAS	8.0951	8.1065	0.0114
21	50	HDR BIAS	8.1206	8.0956	-0.025
22	50	HDR BIAS	8.1177	8.0874	-0.0303
23	50	HDR BIAS	8.1537	8.1462	-0.0075
24	50	HDR BIAS	8.0776	8.0397	-0.0379
25	50	HDR BIAS	8.089	8.0934	0.0044
26	50	HDR UNBIAS	8.0995	8.1006	0.0011
27	50	HDR UNBIAS	8.0338	8.0232	-0.0106
28	50	HDR UNBIAS	8.0504	8.0568	0.0064
29	50	HDR UNBIAS	8.0534	8.0272	-0.0262
30	50	HDR UNBIAS	8.0376	8.0209	-0.0167
41	0	CORRELATION	8.0642	8.0547	-0.0095
42	0	CORRELATION	8.0256	8.0472	0.0216
43	0	CORRELATION	8.047	8.0322	-0.0148
45	0	CORRELATION	8.0275	8.045	0.0175

Test Statistics (V)

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	8.0256	8.0411	8.0642	0.018199	8.0322	8.0448	8.0547	0.0093553	-0.0148	0.0037	0.0216	0.018505
20	7.9825	8.0704	8.1446	0.047326	7.9907	8.0619	8.1365	0.04298	-0.0395	-0.00853	0.0164	0.01772
30	8.0241	8.0774	8.1283	0.033385	8.0244	8.0762	8.1343	0.035696	-0.0212	-0.0012	0.0173	0.013841
50	8.0338	8.0833	8.1537	0.039963	8.0209	8.0691	8.1462	0.041854	-0.0379	-0.01423	0.0064	0.015456

Device Test: 15.20 THRESHOLD|FALL/BP7L/12/10////@V_BP7L_TH_FALL





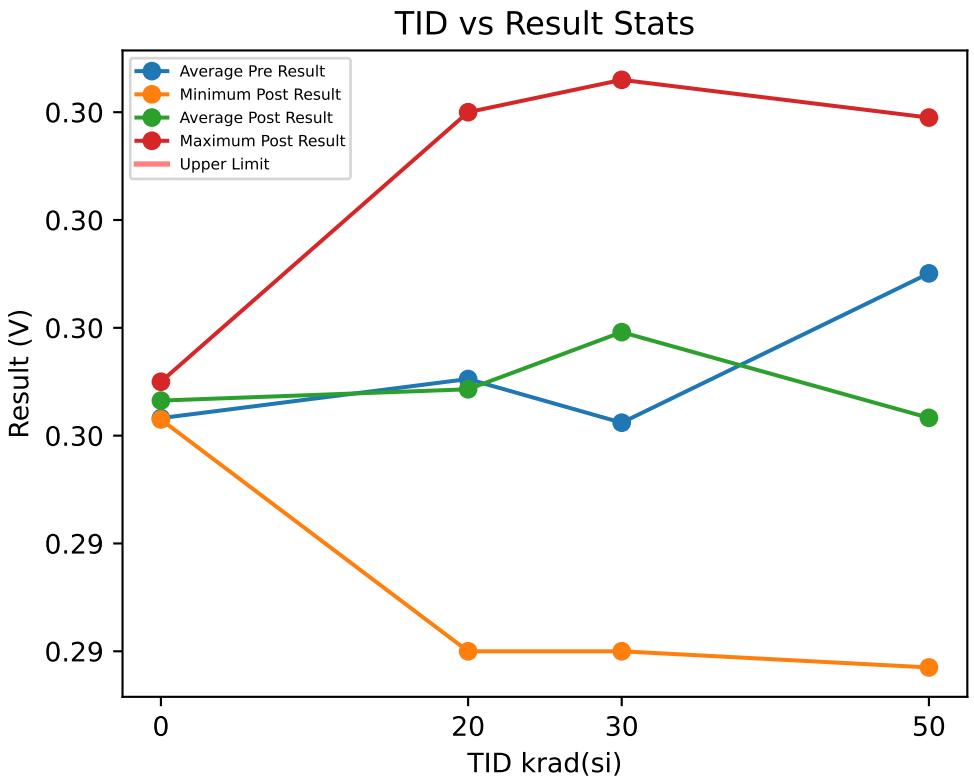
Test Results (No Limits Specified (V))

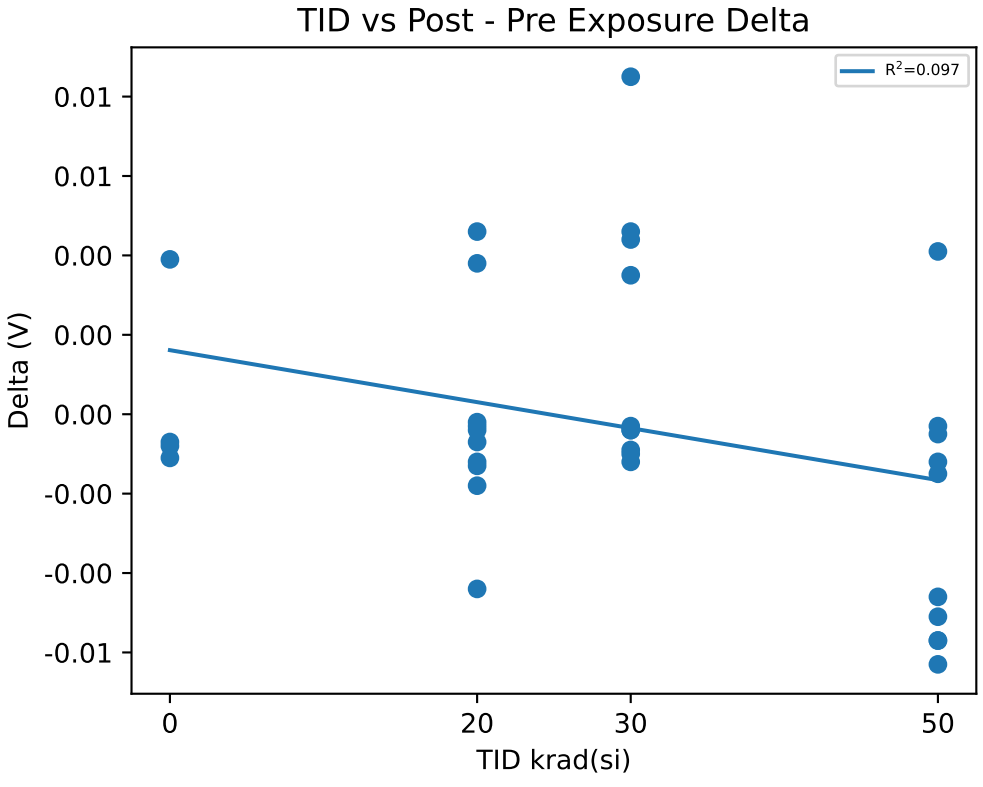
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	20	HDR BIAS	6.1238	6.1189	-0.0049
2	20	HDR BIAS	6.1341	6.1288	-0.0053
3	20	HDR BIAS	6.1632	6.1591	-0.0041
4	20	HDR BIAS	6.1381	6.1341	-0.004
5	20	HDR BIAS	6.1788	6.1695	-0.0093
6	20	HDR UNBIAS	6.1231	6.1135	-0.0096
7	20	HDR UNBIAS	6.1338	6.1292	-0.0046
8	20	HDR UNBIAS	6.1084	6.0989	-0.0095
9	20	HDR UNBIAS	6.1338	6.1239	-0.0099
10	20	HDR UNBIAS	6.1184	6.1138	-0.0046
11	30	HDR BIAS	6.1538	6.1492	-0.0046
12	30	HDR BIAS	6.1732	6.1688	-0.0044
13	30	HDR BIAS	6.1438	6.1392	-0.0046
14	30	HDR BIAS	6.1384	6.1338	-0.0046
15	30	HDR BIAS	6.1288	6.1239	-0.0049
16	30	HDR UNBIAS	6.1384	6.1238	-0.0146
17	30	HDR UNBIAS	6.0932	6.0889	-0.0043
18	30	HDR UNBIAS	6.1732	6.1591	-0.0141
19	30	HDR UNBIAS	6.1688	6.1641	-0.0047
20	30	HDR UNBIAS	6.1585	6.1591	0.0006
21	50	HDR BIAS	6.2091	6.1994	-0.0097
22	50	HDR BIAS	6.1585	6.1541	-0.0044
23	50	HDR BIAS	6.1485	6.1189	-0.0296
24	50	HDR BIAS	6.1237	6.1138	-0.0099
25	50	HDR BIAS	6.1688	6.1588	-0.01
26	50	HDR UNBIAS	6.1835	6.1744	-0.0091
27	50	HDR UNBIAS	6.1488	6.1392	-0.0096
28	50	HDR UNBIAS	6.1488	6.1488	0
29	50	HDR UNBIAS	6.1585	6.1388	-0.0197
30	50	HDR UNBIAS	6.1187	6.1138	-0.0049
41	0	CORRELATION	6.1488	6.1492	0.0004
42	0	CORRELATION	6.1385	6.1341	-0.0044
43	0	CORRELATION	6.1131	6.1139	0.0008
45	0	CORRELATION	6.1035	6.1038	0.0003

Test Statistics (V)

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	6.1035	6.126	6.1488	0.021203	6.1038	6.1253	6.1492	0.020338	-0.0044	-0.000725	0.0008	0.0024595
20	6.1084	6.1356	6.1788	0.021014	6.0989	6.129	6.1695	0.021286	-0.0099	-0.00658	-0.004	0.0026072
30	6.0932	6.147	6.1732	0.024519	6.0889	6.141	6.1688	0.024465	-0.0146	-0.00602	0.0006	0.0046828
50	6.1187	6.1567	6.2091	0.026545	6.1138	6.146	6.1994	0.027491	-0.0296	-0.01069	0	0.0083794

Device Test: 15.21 THRESHOLD|HYST/BP7L/12/10////@V_BP7L_TH_HYST





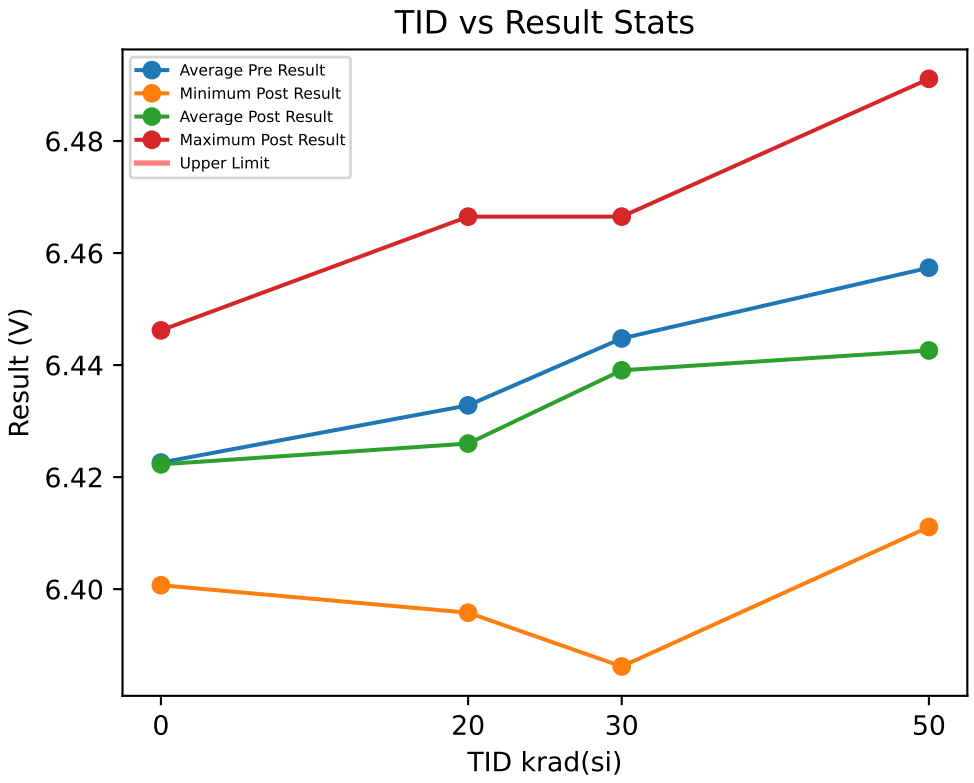
Test Results (No Limits Specified (V))

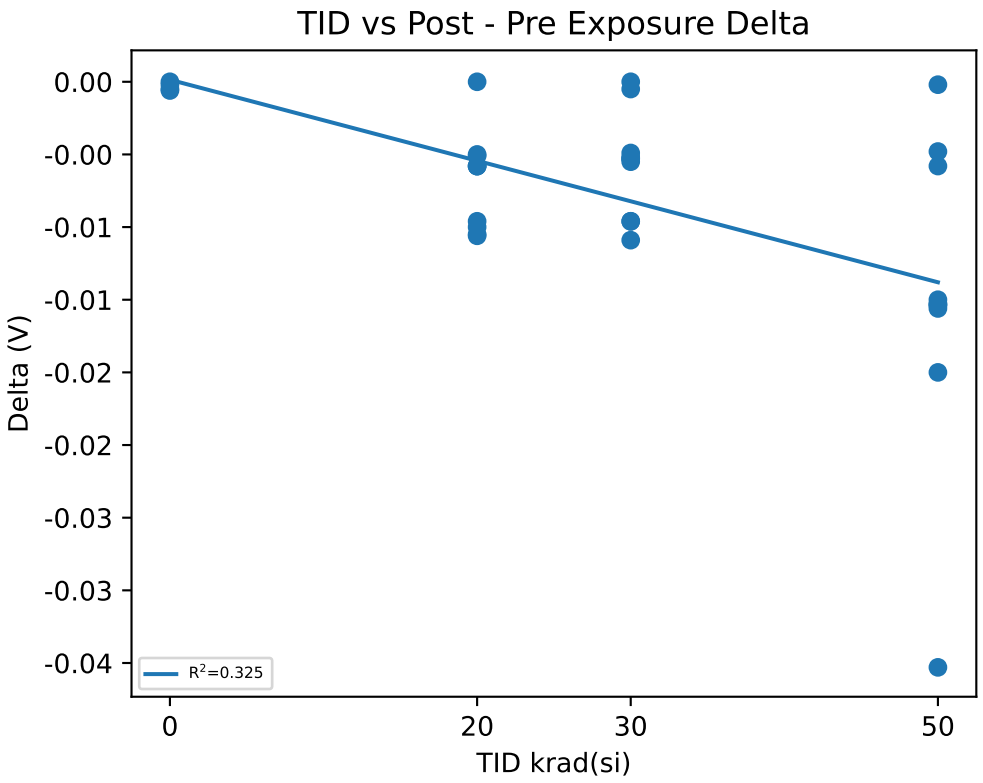
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	20	HDR BIAS	0.2964	0.292	-0.0044
2	20	HDR BIAS	0.2971	0.2969	-0.0002
3	20	HDR BIAS	0.3033	0.302	-0.0013
4	20	HDR BIAS	0.2978	0.2966	-0.0012
5	20	HDR BIAS	0.2977	0.297	-0.0007
6	20	HDR UNBIAS	0.2925	0.2922	-0.0003
7	20	HDR UNBIAS	0.2924	0.297	0.0046
8	20	HDR UNBIAS	0.2928	0.2966	0.0038
9	20	HDR UNBIAS	0.2974	0.297	-0.0004
10	20	HDR UNBIAS	0.3031	0.3013	-0.0018
11	30	HDR BIAS	0.2977	0.2967	-0.001
12	30	HDR BIAS	0.2978	0.2969	-0.0009
13	30	HDR BIAS	0.2924	0.292	-0.0004
14	30	HDR BIAS	0.2931	0.2966	0.0035
15	30	HDR BIAS	0.297	0.2967	-0.0003
16	30	HDR UNBIAS	0.2928	0.3013	0.0085
17	30	HDR UNBIAS	0.298	0.2976	-0.0004
18	30	HDR UNBIAS	0.2978	0.3022	0.0044
19	30	HDR UNBIAS	0.298	0.3026	0.0046
20	30	HDR UNBIAS	0.2978	0.2966	-0.0012
21	50	HDR BIAS	0.2974	0.2917	-0.0057
22	50	HDR BIAS	0.2978	0.3019	0.0041
23	50	HDR BIAS	0.303	0.2967	-0.0063
24	50	HDR BIAS	0.2971	0.2966	-0.0005
25	50	HDR BIAS	0.3024	0.2973	-0.0051
26	50	HDR UNBIAS	0.2981	0.2966	-0.0015
27	50	HDR UNBIAS	0.297	0.2967	-0.0003
28	50	HDR UNBIAS	0.3015	0.2969	-0.0046
29	50	HDR UNBIAS	0.298	0.2923	-0.0057
30	50	HDR UNBIAS	0.2978	0.2966	-0.0012
41	0	CORRELATION	0.2975	0.2967	-0.0008
42	0	CORRELATION	0.2927	0.2966	0.0039
43	0	CORRELATION	0.2981	0.297	-0.0011
45	0	CORRELATION	0.297	0.2963	-0.0007

Test Statistics (V)

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	0.2927	0.29633	0.2981	0.0024581	0.2963	0.29665	0.297	0.00028868	-0.0011	0.000325	0.0039	0.0023894
20	0.2924	0.29705	0.3033	0.0039099	0.292	0.29686	0.302	0.0031914	-0.0044	-0.00019	0.0046	0.0026194
30	0.2924	0.29624	0.298	0.0024185	0.292	0.29792	0.3026	0.0032369	-0.0012	0.00168	0.0085	0.0033409
50	0.297	0.29901	0.303	0.0023254	0.2917	0.29633	0.3019	0.002798	-0.0063	-0.00268	0.0041	0.0033476

Device Test: 15.22 THRESHOLD|RISE/BP7L/14/14////@V_BP7L_TH_RISE





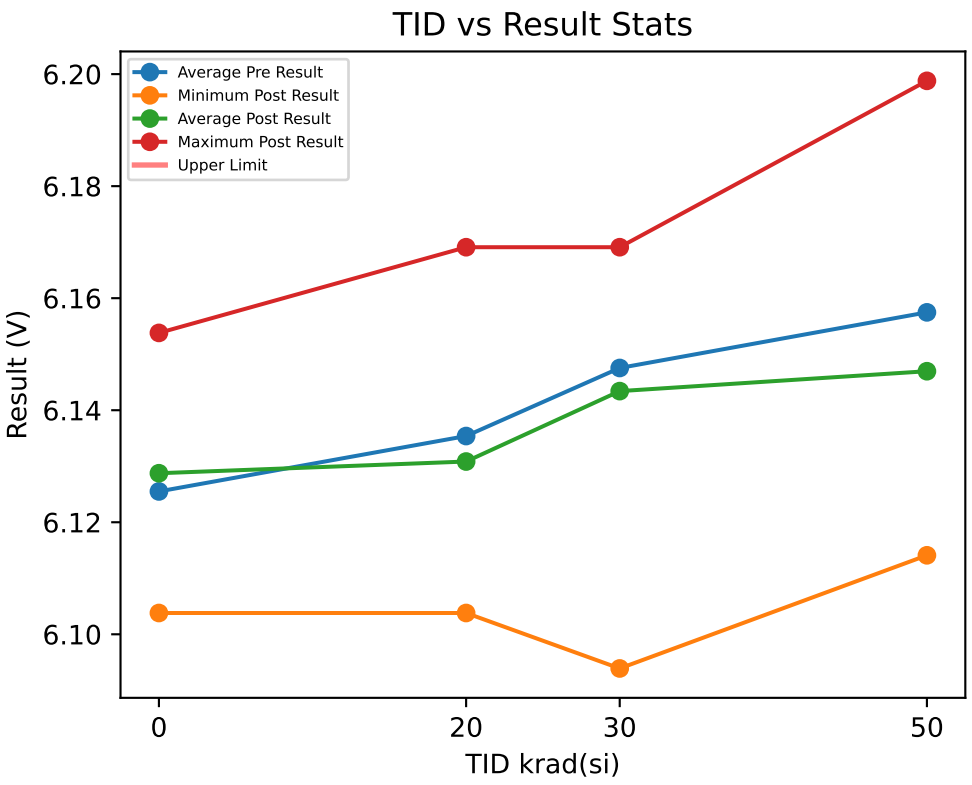
Test Results (No Limits Specified (V))

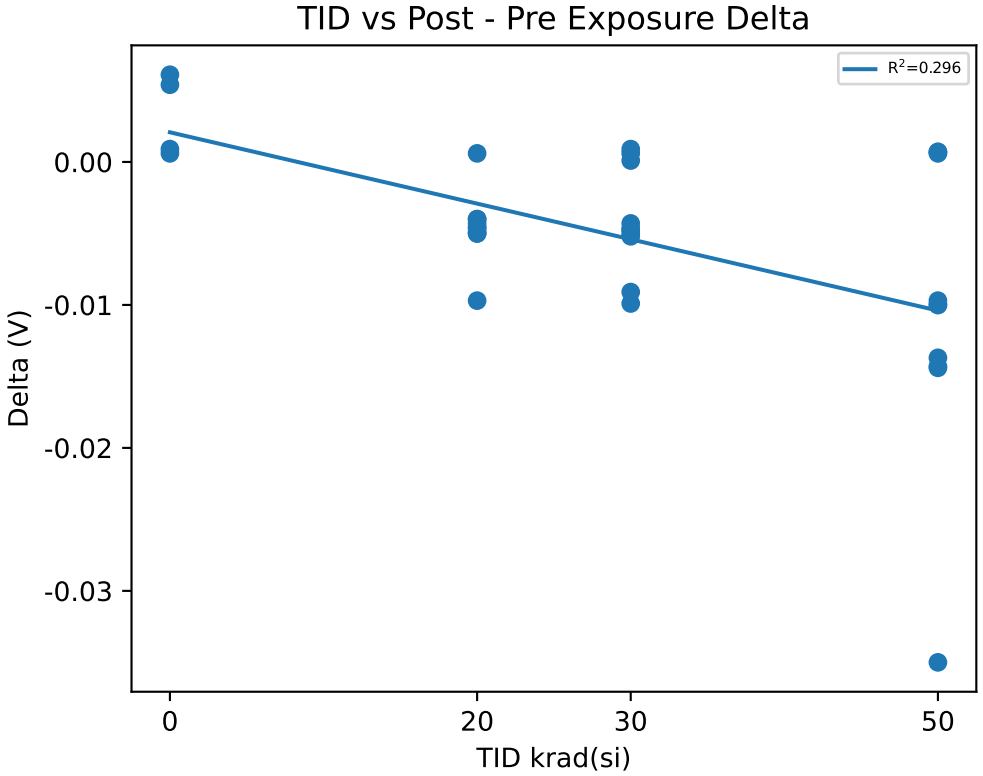
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	20	HDR BIAS	6.4212	6.4112	-0.01
2	20	HDR BIAS	6.4315	6.4257	-0.0058
3	20	HDR BIAS	6.4665	6.4615	-0.005
4	20	HDR BIAS	6.4365	6.4307	-0.0058
5	20	HDR BIAS	6.4761	6.4665	-0.0096
6	20	HDR UNBIAS	6.4162	6.4057	-0.0105
7	20	HDR UNBIAS	6.4262	6.4262	0
8	20	HDR UNBIAS	6.4009	6.3958	-0.0051
9	20	HDR UNBIAS	6.4315	6.4209	-0.0106
10	20	HDR UNBIAS	6.4215	6.4157	-0.0058
11	30	HDR BIAS	6.4558	6.4462	-0.0096
12	30	HDR BIAS	6.4715	6.4663	-0.0052
13	30	HDR BIAS	6.4408	6.4312	-0.0096
14	30	HDR BIAS	6.4356	6.4307	-0.0049
15	30	HDR BIAS	6.4262	6.4209	-0.0053
16	30	HDR UNBIAS	6.4315	6.426	-0.0055
17	30	HDR UNBIAS	6.3915	6.3862	-0.0053
18	30	HDR UNBIAS	6.4719	6.461	-0.0109
19	30	HDR UNBIAS	6.4665	6.4665	0
20	30	HDR UNBIAS	6.4562	6.4557	-0.0005
21	50	HDR BIAS	6.5064	6.4911	-0.0153
22	50	HDR BIAS	6.4562	6.456	-0.0002
23	50	HDR BIAS	6.4562	6.4159	-0.0403
24	50	HDR BIAS	6.4265	6.4111	-0.0154
25	50	HDR BIAS	6.4718	6.4562	-0.0156
26	50	HDR UNBIAS	6.4866	6.4716	-0.015
27	50	HDR UNBIAS	6.4465	6.4312	-0.0153
28	50	HDR UNBIAS	6.4515	6.4457	-0.0058
29	50	HDR UNBIAS	6.4562	6.4362	-0.02
30	50	HDR UNBIAS	6.4159	6.4111	-0.0048
41	0	CORRELATION	6.4468	6.4462	-0.0006
42	0	CORRELATION	6.4315	6.431	-0.0005
43	0	CORRELATION	6.4112	6.4112	0
45	0	CORRELATION	6.4009	6.4007	-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	6.4009	6.4226	6.4468	0.02054	6.4007	6.4223	6.4462	0.020303	-0.0006	-0.000325	0	0.00027538
20	6.4009	6.4328	6.4761	0.022673	6.3958	6.426	6.4665	0.022603	-0.0106	-0.00682	0	0.0033595
30	6.3915	6.4448	6.4719	0.025019	6.3862	6.4391	6.4665	0.025233	-0.0109	-0.00568	0	0.0036245
50	6.4159	6.4574	6.5064	0.026449	6.4111	6.4426	6.4911	0.026741	-0.0403	-0.01477	-0.0002	0.010919

Device Test: 15.23 THRESHOLD|FALL/BP7L/14/14////@V_BP7L_TH_FALL





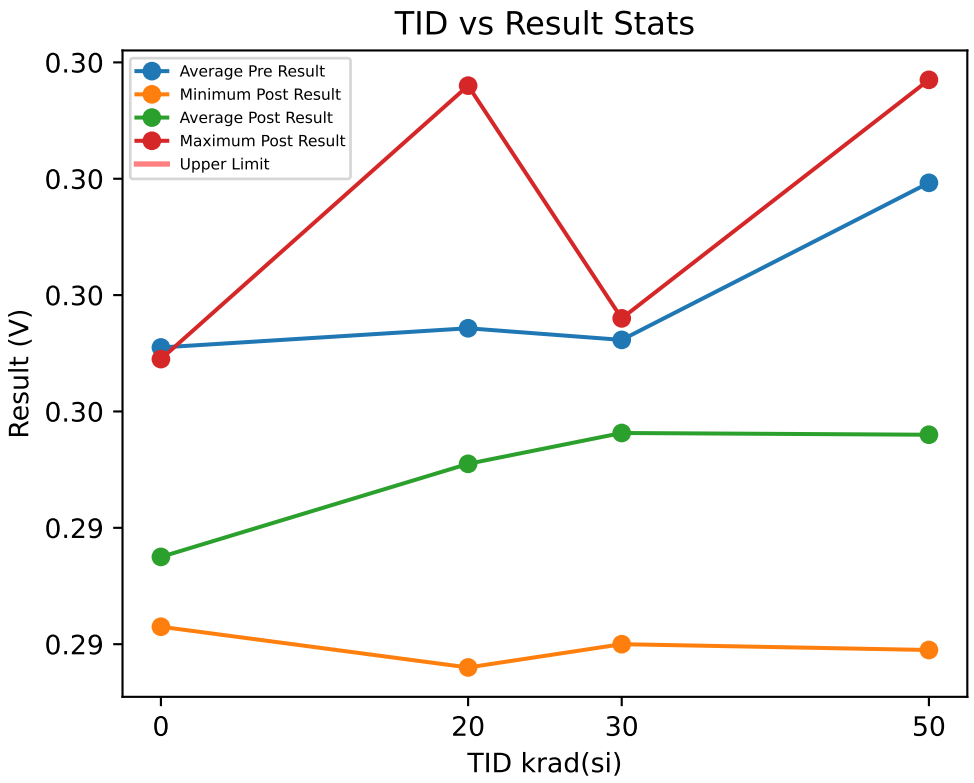
Test Results (No Limits Specified (V))

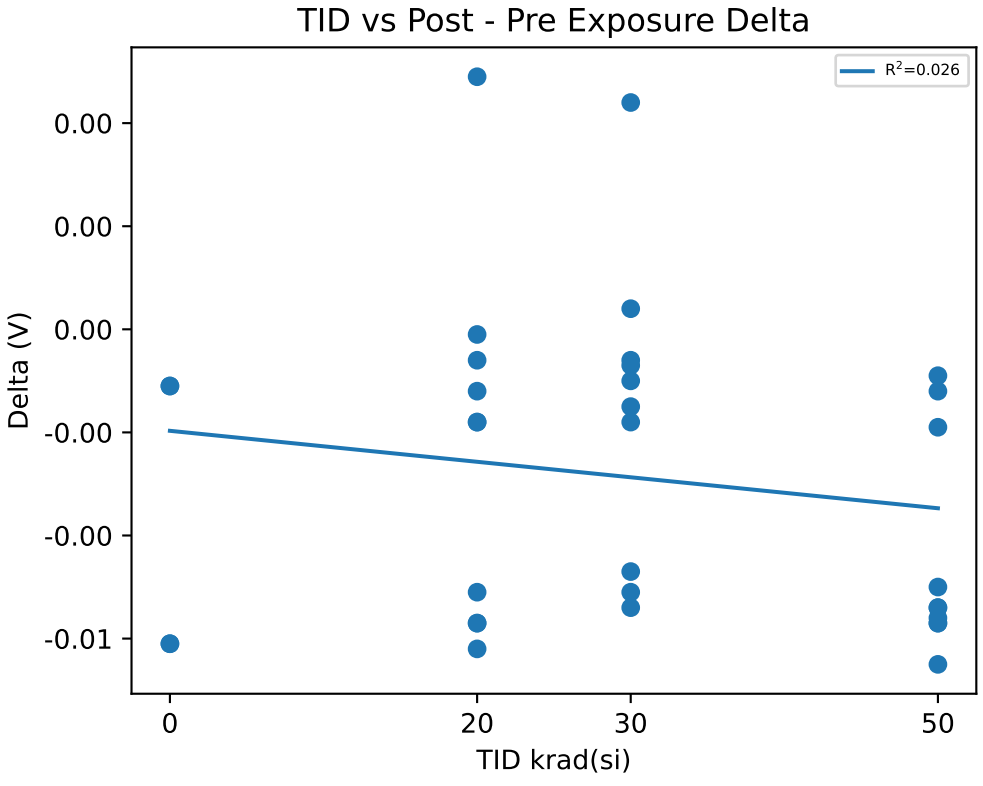
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	20	HDR BIAS	6.1235	6.1185	-0.005
2	20	HDR BIAS	6.1378	6.1338	-0.004
3	20	HDR BIAS	6.1632	6.1638	0.0006
4	20	HDR BIAS	6.1384	6.1338	-0.0046
5	20	HDR BIAS	6.1788	6.1691	-0.0097
6	20	HDR UNBIAS	6.1184	6.1141	-0.0043
7	20	HDR UNBIAS	6.1385	6.1335	-0.005
8	20	HDR UNBIAS	6.1084	6.1038	-0.0046
9	20	HDR UNBIAS	6.1288	6.1239	-0.0049
10	20	HDR UNBIAS	6.1181	6.1141	-0.004
11	30	HDR BIAS	6.1535	6.1488	-0.0047
12	30	HDR BIAS	6.1738	6.1691	-0.0047
13	30	HDR BIAS	6.1438	6.1388	-0.005
14	30	HDR BIAS	6.1387	6.1335	-0.0052
15	30	HDR BIAS	6.1288	6.1289	0.0001
16	30	HDR UNBIAS	6.1387	6.1288	-0.0099
17	30	HDR UNBIAS	6.0982	6.0939	-0.0043
18	30	HDR UNBIAS	6.1732	6.1641	-0.0091
19	30	HDR UNBIAS	6.1682	6.1688	0.0006
20	30	HDR UNBIAS	6.1585	6.1594	0.0009
21	50	HDR BIAS	6.2085	6.1988	-0.0097
22	50	HDR BIAS	6.1585	6.1591	0.0006
23	50	HDR BIAS	6.1535	6.1185	-0.035
24	50	HDR BIAS	6.1284	6.1141	-0.0143
25	50	HDR BIAS	6.1682	6.1545	-0.0137
26	50	HDR UNBIAS	6.1838	6.1738	-0.01
27	50	HDR UNBIAS	6.1488	6.1388	-0.01
28	50	HDR UNBIAS	6.1484	6.1491	0.0007
29	50	HDR UNBIAS	6.1582	6.1438	-0.0144
30	50	HDR UNBIAS	6.1184	6.1191	0.0007
41	0	CORRELATION	6.1484	6.1538	0.0054
42	0	CORRELATION	6.1379	6.1385	0.0006
43	0	CORRELATION	6.1128	6.1189	0.0061
45	0	CORRELATION	6.1029	6.1038	0.0009

Test Statistics (V)

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	6.1029	6.1255	6.1484	0.021215	6.1038	6.1288	6.1538	0.021925	0.0006	0.00325	0.0061	0.0029034
20	6.1084	6.1354	6.1788	0.021559	6.1038	6.1308	6.1691	0.021257	-0.0097	-0.00455	0.0006	0.002455
30	6.0982	6.1475	6.1738	0.023301	6.0939	6.1434	6.1691	0.023599	-0.0099	-0.00413	0.0009	0.0037438
50	6.1184	6.1575	6.2085	0.025731	6.1141	6.147	6.1988	0.026581	-0.035	-0.01051	0.0007	0.010622

Device Test: 15.24 THRESHOLD|HYST/BP7L/14/14////@V_BP7L_TH_HYST





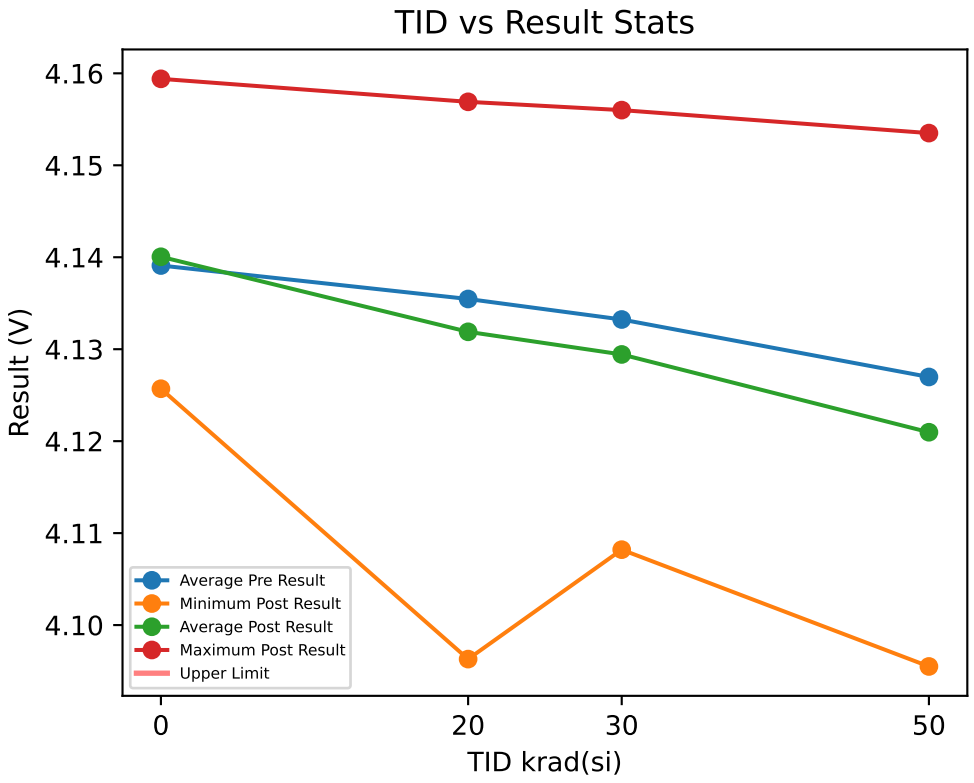
Test Results (No Limits Specified (V))

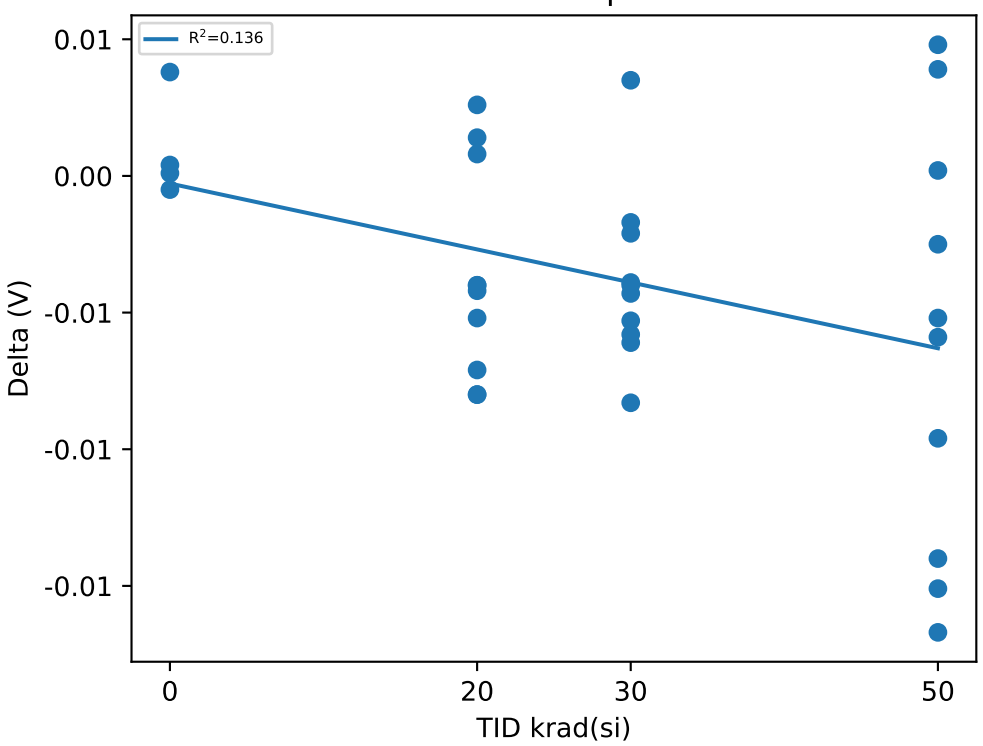
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	20	HDR BIAS	0.2977	0.2926	-0.0051
2	20	HDR BIAS	0.2937	0.2919	-0.0018
3	20	HDR BIAS	0.3033	0.2976	-0.0057
4	20	HDR BIAS	0.2981	0.2969	-0.0012
5	20	HDR BIAS	0.2974	0.2973	-0.0001
6	20	HDR UNBIAS	0.2978	0.2916	-0.0062
7	20	HDR UNBIAS	0.2877	0.2926	0.0049
8	20	HDR UNBIAS	0.2925	0.2919	-0.0006
9	20	HDR UNBIAS	0.3027	0.297	-0.0057
10	20	HDR UNBIAS	0.3034	0.3016	-0.0018
11	30	HDR BIAS	0.3024	0.2973	-0.0051
12	30	HDR BIAS	0.2978	0.2972	-0.0006
13	30	HDR BIAS	0.297	0.2923	-0.0047
14	30	HDR BIAS	0.2968	0.2972	0.0004
15	30	HDR BIAS	0.2974	0.292	-0.0054
16	30	HDR UNBIAS	0.2928	0.2972	0.0044
17	30	HDR UNBIAS	0.2933	0.2923	-0.001
18	30	HDR UNBIAS	0.2987	0.2969	-0.0018
19	30	HDR UNBIAS	0.2983	0.2976	-0.0007
20	30	HDR UNBIAS	0.2978	0.2963	-0.0015
21	50	HDR BIAS	0.298	0.2923	-0.0057
22	50	HDR BIAS	0.2978	0.2969	-0.0009
23	50	HDR BIAS	0.3027	0.2973	-0.0054
24	50	HDR BIAS	0.2981	0.2969	-0.0012
25	50	HDR BIAS	0.3036	0.3017	-0.0019
26	50	HDR UNBIAS	0.3028	0.2978	-0.005
27	50	HDR UNBIAS	0.2977	0.2923	-0.0054
28	50	HDR UNBIAS	0.3031	0.2966	-0.0065
29	50	HDR UNBIAS	0.298	0.2923	-0.0057
30	50	HDR UNBIAS	0.2975	0.2919	-0.0056
41	0	CORRELATION	0.2984	0.2923	-0.0061
42	0	CORRELATION	0.2936	0.2925	-0.0011
43	0	CORRELATION	0.2984	0.2923	-0.0061
45	0	CORRELATION	0.298	0.2969	-0.0011

Test Statistics (V)

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	0.2936	0.2971	0.2984	0.0023409	0.2923	0.2935	0.2969	0.0022686	-0.0061	-0.0036	-0.0011	0.0028868
20	0.2877	0.29743	0.3034	0.0050708	0.2916	0.2951	0.3016	0.0034225	-0.0062	-0.00233	0.0049	0.0034551
30	0.2928	0.29723	0.3024	0.0027084	0.292	0.29563	0.2976	0.0023917	-0.0054	-0.0016	0.0044	0.0029537
50	0.2975	0.29993	0.3036	0.0027006	0.2919	0.2956	0.3017	0.0032605	-0.0065	-0.00433	-0.0009	0.0021156

Device Test: 15.25 THRESHOLD|RISE/BP5H/10/8////@V_BP5H_TH_RISE





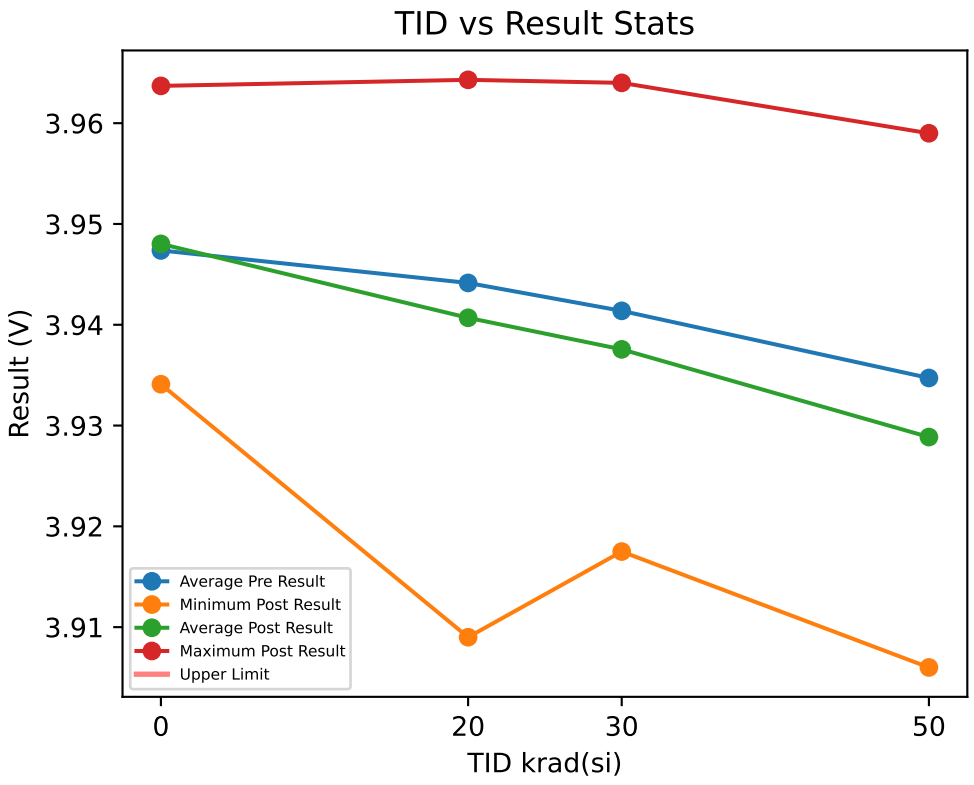
Test Results (No Limits Specified (V))

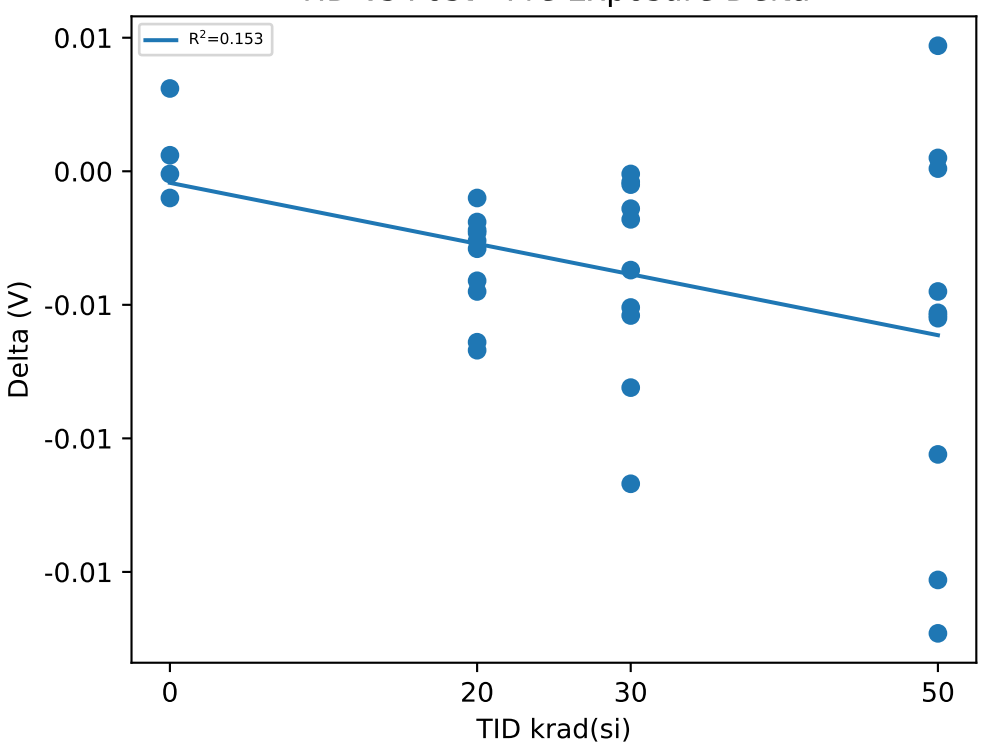
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	20	HDR BIAS	4.1271	4.1279	0.0008
2	20	HDR BIAS	4.1315	4.1263	-0.0052
3	20	HDR BIAS	4.1346	4.136	0.0014
4	20	HDR BIAS	4.134	4.13	-0.004
5	20	HDR BIAS	4.1499	4.1525	0.0026
6	20	HDR UNBIAS	4.159	4.155	-0.004
7	20	HDR UNBIAS	4.164	4.1569	-0.0071
8	20	HDR UNBIAS	4.1043	4.0963	-0.008
9	20	HDR UNBIAS	4.124	4.1198	-0.0042
10	20	HDR UNBIAS	4.1262	4.1182	-0.008
11	30	HDR BIAS	4.1459	4.1438	-0.0021
12	30	HDR BIAS	4.1356	4.1303	-0.0053
13	30	HDR BIAS	4.1231	4.1173	-0.0058
14	30	HDR BIAS	4.1371	4.1288	-0.0083
15	30	HDR BIAS	4.1143	4.1082	-0.0061
16	30	HDR UNBIAS	4.1234	4.1194	-0.004
17	30	HDR UNBIAS	4.1287	4.1248	-0.0039
18	30	HDR UNBIAS	4.1577	4.156	-0.0017
19	30	HDR UNBIAS	4.1487	4.1444	-0.0043
20	30	HDR UNBIAS	4.1178	4.1213	0.0035
21	50	HDR BIAS	4.1334	4.1238	-0.0096
22	50	HDR BIAS	4.1368	4.1228	-0.014
23	50	HDR BIAS	4.139	4.1223	-0.0167
24	50	HDR BIAS	4.1075	4.105	-0.0025
25	50	HDR BIAS	4.1193	4.1042	-0.0151
26	50	HDR UNBIAS	4.1587	4.1535	-0.0052
27	50	HDR UNBIAS	4.124	4.1288	0.0048
28	50	HDR UNBIAS	4.1362	4.1303	-0.0059
29	50	HDR UNBIAS	4.0953	4.0955	0.0002
30	50	HDR UNBIAS	4.1196	4.1235	0.0039
41	0	CORRELATION	4.1328	4.1329	0.0001
42	0	CORRELATION	4.1427	4.1422	-0.0005
43	0	CORRELATION	4.1253	4.1257	0.0004
45	0	CORRELATION	4.1556	4.1594	0.0038

Test Statistics (V)

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	4.1253	4.1391	4.1556	0.013106	4.1257	4.1401	4.1594	0.014561	-0.0005	0.00095	0.0038	0.0019365
20	4.1043	4.1355	4.164	0.017807	4.0963	4.1319	4.1569	0.019009	-0.008	-0.00357	0.0026	0.0039016
30	4.1143	4.1332	4.1577	0.014281	4.1082	4.1294	4.156	0.01462	-0.0083	-0.0038	0.0035	0.003209
50	4.0953	4.127	4.1587	0.017885	4.0955	4.121	4.1535	0.016368	-0.0167	-0.00601	0.0048	0.0077478

Device Test: 15.26 THRESHOLD|FALL/BP5H/10/8////@V_BP5H_TH_FALL





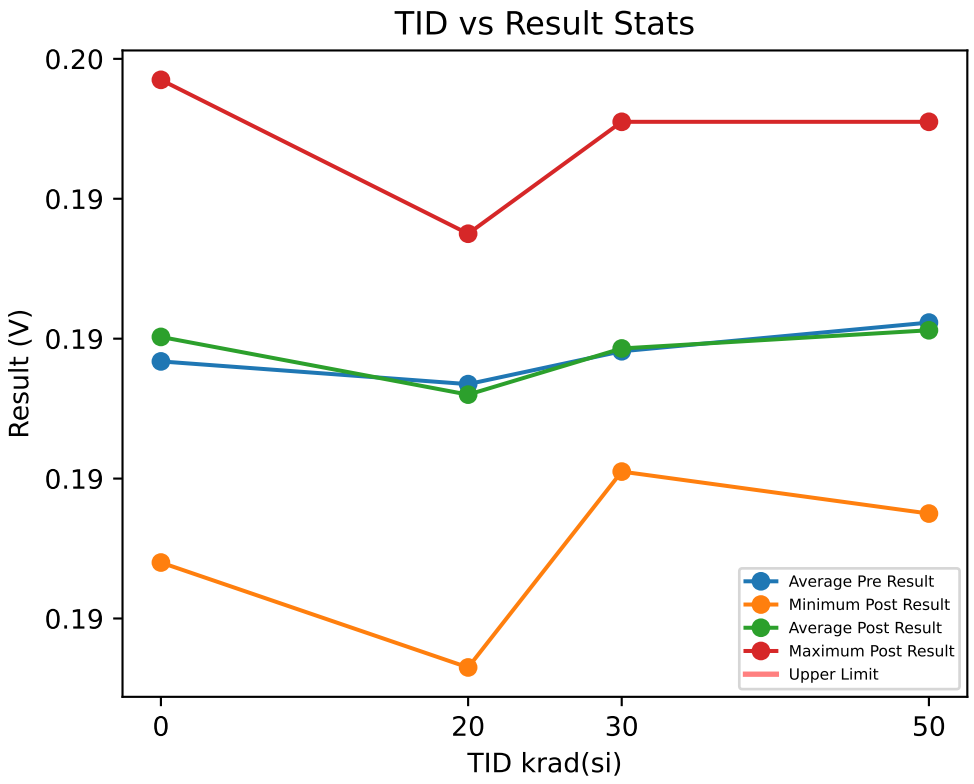
Test Results (No Limits Specified (V))

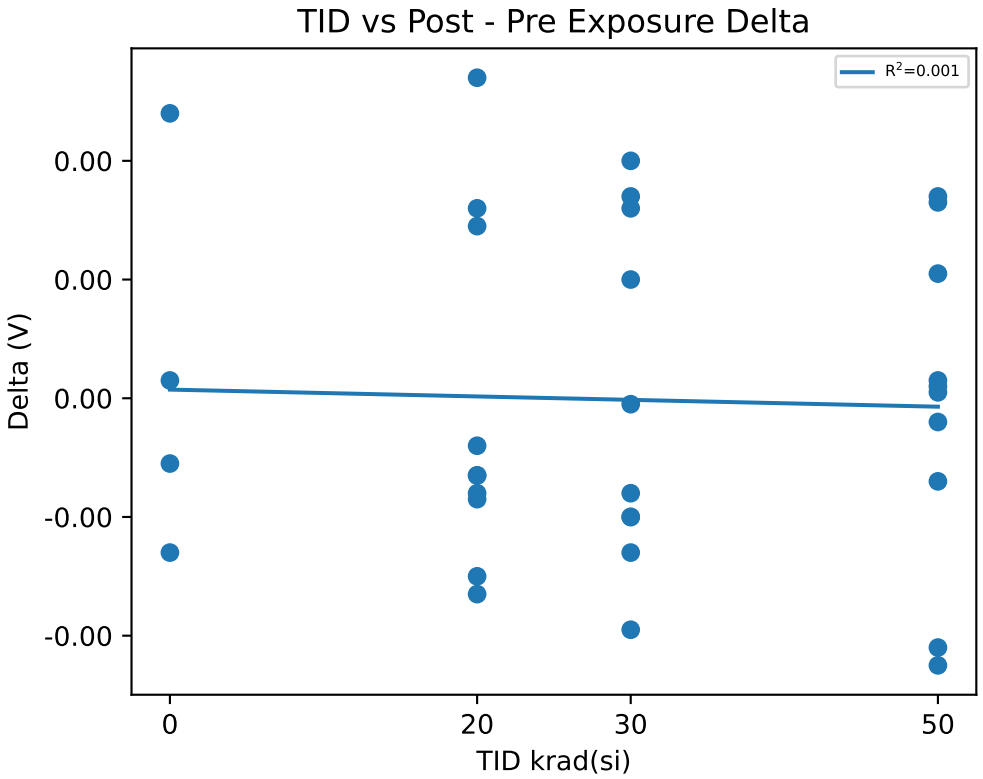
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	20	HDR BIAS	3.9366	3.9344	-0.0022
2	20	HDR BIAS	3.9395	3.935	-0.0045
3	20	HDR BIAS	3.9444	3.9425	-0.0019
4	20	HDR BIAS	3.941	3.9387	-0.0023
5	20	HDR BIAS	3.9641	3.9612	-0.0029
6	20	HDR UNBIAS	3.9651	3.9625	-0.0026
7	20	HDR UNBIAS	3.9684	3.9643	-0.0041
8	20	HDR UNBIAS	3.9157	3.909	-0.0067
9	20	HDR UNBIAS	3.9319	3.9309	-0.001
10	20	HDR UNBIAS	3.9348	3.9284	-0.0064
11	30	HDR BIAS	3.9547	3.9493	-0.0054
12	30	HDR BIAS	3.9438	3.9387	-0.0051
13	30	HDR BIAS	3.9309	3.9272	-0.0037
14	30	HDR BIAS	3.9454	3.9337	-0.0117
15	30	HDR BIAS	3.9256	3.9175	-0.0081
16	30	HDR UNBIAS	3.9298	3.9284	-0.0014
17	30	HDR UNBIAS	3.9359	3.9341	-0.0018
18	30	HDR UNBIAS	3.9641	3.964	-0.0001
19	30	HDR UNBIAS	3.9544	3.954	-0.0004
20	30	HDR UNBIAS	3.9292	3.9287	-0.0005
21	50	HDR BIAS	3.9394	3.9341	-0.0053
22	50	HDR BIAS	3.9463	3.929	-0.0173
23	50	HDR BIAS	3.9447	3.9294	-0.0153
24	50	HDR BIAS	3.9188	3.9143	-0.0045
25	50	HDR BIAS	3.9244	3.9138	-0.0106
26	50	HDR UNBIAS	3.9644	3.959	-0.0054
27	50	HDR UNBIAS	3.9303	3.935	0.0047
28	50	HDR UNBIAS	3.9451	3.9396	-0.0055
29	50	HDR UNBIAS	3.9059	3.906	0.0001
30	50	HDR UNBIAS	3.9279	3.9284	0.0005
41	0	CORRELATION	3.941	3.9409	-0.0001
42	0	CORRELATION	3.9528	3.9534	0.0006
43	0	CORRELATION	3.931	3.9341	0.0031
45	0	CORRELATION	3.9647	3.9637	-0.001

Test Statistics (V)

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	3.931	3.9474	3.9647	0.014587	3.9341	3.948	3.9637	0.013156	-0.001	0.00065	0.0031	0.0017597
20	3.9157	3.9441	3.9684	0.016867	3.909	3.9407	3.9643	0.017588	-0.0067	-0.00346	-0.001	0.0019179
30	3.9256	3.9414	3.9641	0.013151	3.9175	3.9376	3.964	0.014172	-0.0117	-0.00382	-0.0001	0.003816
50	3.9059	3.9347	3.9644	0.016669	3.906	3.9289	3.959	0.015095	-0.0173	-0.00586	0.0047	0.0069318

Device Test: 15.27 THRESHOLD|HYST/BP5H/10/8////@V_BP5H_TH_HYST





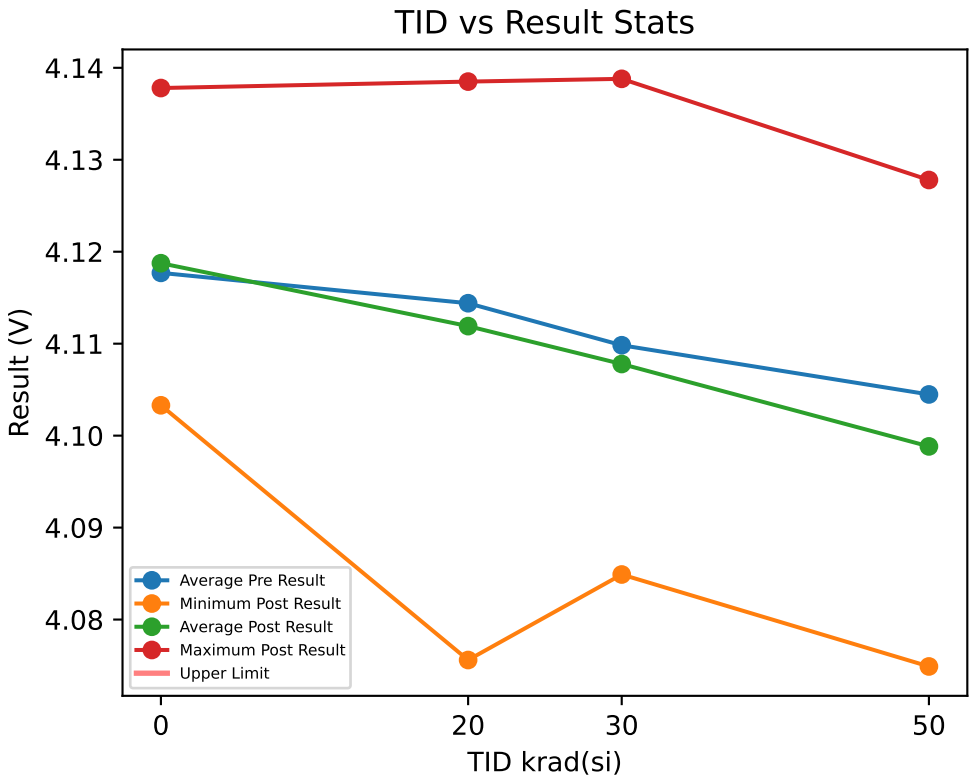
Test Results (No Limits Specified (V))

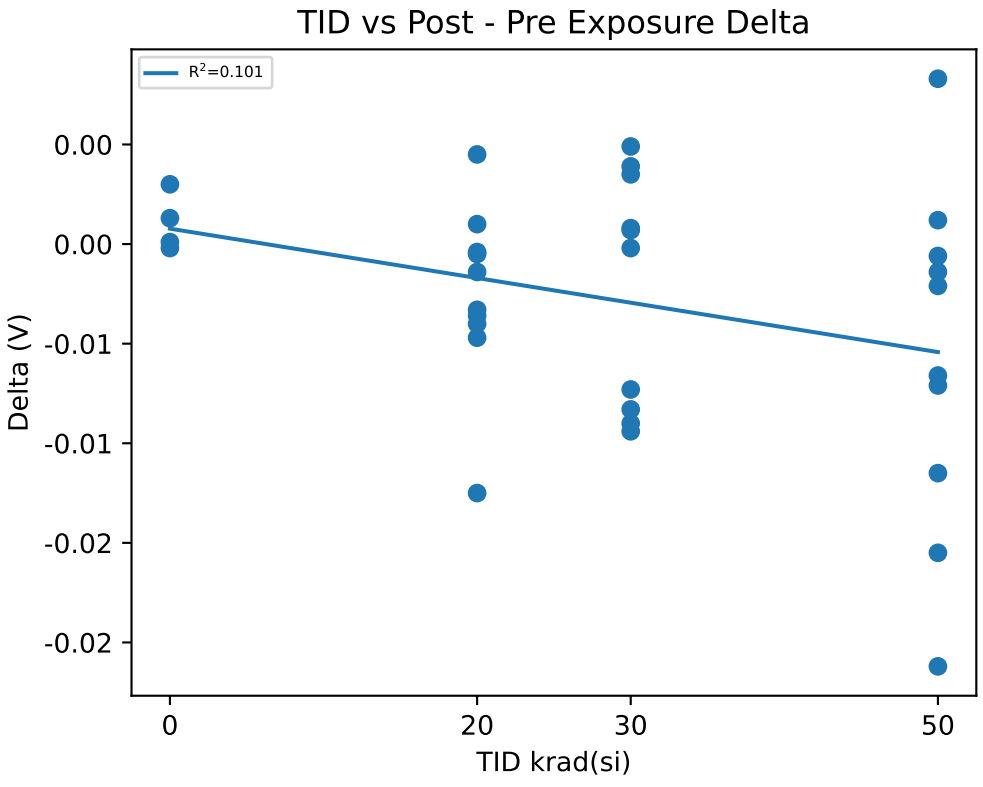
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	20	HDR BIAS	0.1906	0.1935	0.0029
2	20	HDR BIAS	0.1921	0.1913	-0.0008
3	20	HDR BIAS	0.1903	0.1935	0.0032
4	20	HDR BIAS	0.193	0.1913	-0.0017
5	20	HDR BIAS	0.1859	0.1913	0.0054
6	20	HDR UNBIAS	0.1939	0.1926	-0.0013
7	20	HDR UNBIAS	0.1956	0.1926	-0.003
8	20	HDR UNBIAS	0.1886	0.1873	-0.0013
9	20	HDR UNBIAS	0.1921	0.1888	-0.0033
10	20	HDR UNBIAS	0.1914	0.1898	-0.0016
11	30	HDR BIAS	0.1912	0.1944	0.0032
12	30	HDR BIAS	0.1917	0.1916	-0.0001
13	30	HDR BIAS	0.1921	0.1901	-0.002
14	30	HDR BIAS	0.1917	0.1951	0.0034
15	30	HDR BIAS	0.1887	0.1907	0.002
16	30	HDR UNBIAS	0.1936	0.191	-0.0026
17	30	HDR UNBIAS	0.1927	0.1907	-0.002
18	30	HDR UNBIAS	0.1936	0.192	-0.0016
19	30	HDR UNBIAS	0.1943	0.1904	-0.0039
20	30	HDR UNBIAS	0.1886	0.1926	0.004
21	50	HDR BIAS	0.194	0.1898	-0.0042
22	50	HDR BIAS	0.1905	0.1938	0.0033
23	50	HDR BIAS	0.1943	0.1929	-0.0014
24	50	HDR BIAS	0.1886	0.1907	0.0021
25	50	HDR BIAS	0.1949	0.1904	-0.0045
26	50	HDR UNBIAS	0.1942	0.1945	0.0003
27	50	HDR UNBIAS	0.1937	0.1938	0.0001
28	50	HDR UNBIAS	0.1911	0.1907	-0.0004
29	50	HDR UNBIAS	0.1893	0.1895	0.0002
30	50	HDR UNBIAS	0.1917	0.1951	0.0034
41	0	CORRELATION	0.1917	0.192	0.0003
42	0	CORRELATION	0.1899	0.1888	-0.0011
43	0	CORRELATION	0.1942	0.1916	-0.0026
45	0	CORRELATION	0.1909	0.1957	0.0048

Test Statistics (V)

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	0.1899	0.19168	0.1942	0.0018373	0.1888	0.19203	0.1957	0.0028336	-0.0026	0.00035	0.0048	0.0031943
20	0.1859	0.19135	0.1956	0.0027355	0.1873	0.1912	0.1935	0.0020402	-0.0033	-0.00015	0.0054	0.0029239
30	0.1886	0.19182	0.1943	0.0019395	0.1901	0.19186	0.1951	0.0017076	-0.0039	4e-05	0.004	0.0028737
50	0.1886	0.19223	0.1949	0.0022828	0.1895	0.19212	0.1951	0.0021091	-0.0045	-0.00011	0.0034	0.0027262

Device Test: 15.28 THRESHOLD|RISE/BP5H/12/10////@V_BP5H_TH_RISE





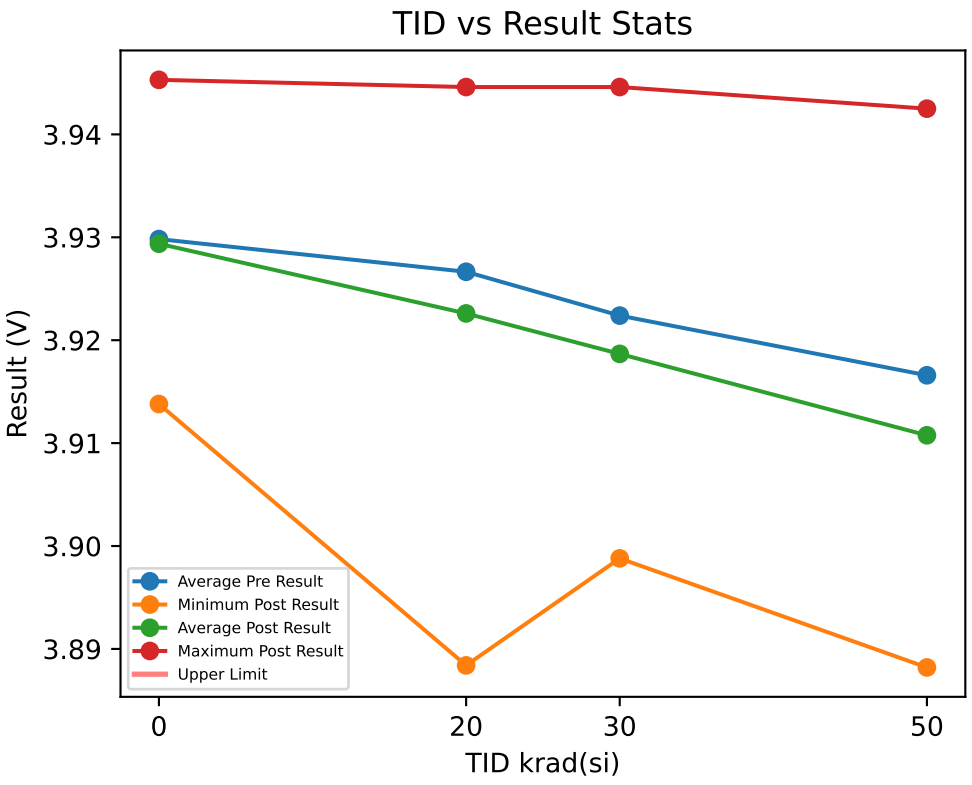
Test Results (No Limits Specified (V))

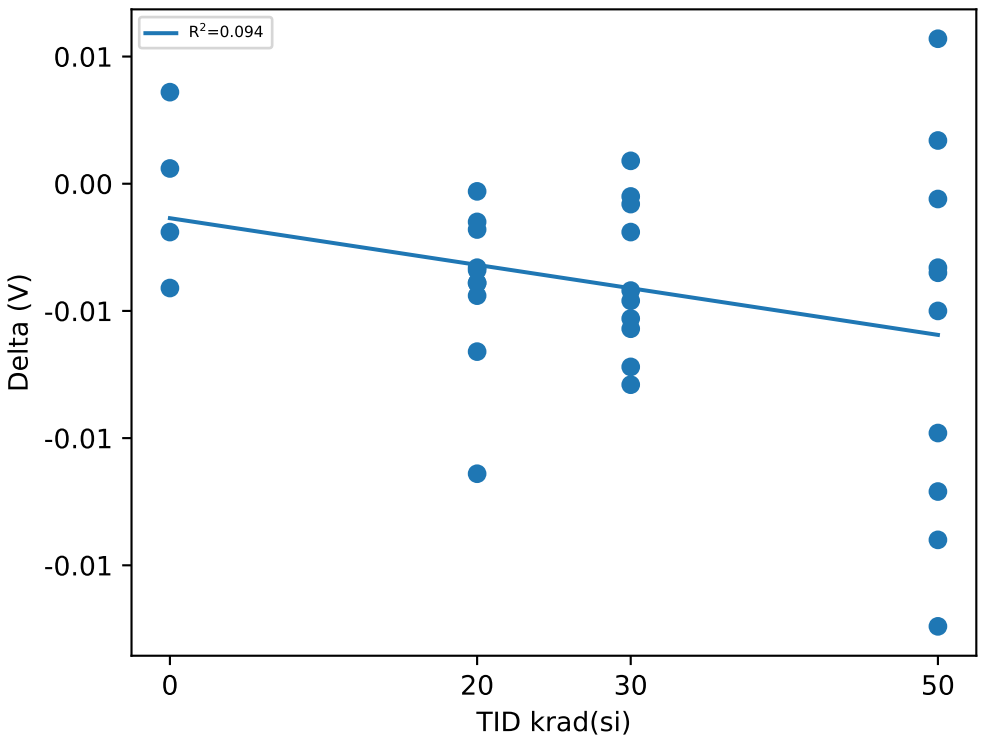
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	20	HDR BIAS	4.1065	4.1051	-0.0014
2	20	HDR BIAS	4.1131	4.1091	-0.004
3	20	HDR BIAS	4.1178	4.1145	-0.0033
4	20	HDR BIAS	4.1103	4.1113	0.001
5	20	HDR BIAS	4.1312	4.1276	-0.0036
6	20	HDR UNBIAS	4.1321	4.1366	0.0045
7	20	HDR UNBIAS	4.139	4.1385	-0.0005
8	20	HDR UNBIAS	4.0881	4.0756	-0.0125
9	20	HDR UNBIAS	4.1034	4.103	-0.0004
10	20	HDR UNBIAS	4.1025	4.0978	-0.0047
11	30	HDR BIAS	4.1256	4.1173	-0.0083
12	30	HDR BIAS	4.1096	4.1135	0.0039
13	30	HDR BIAS	4.1003	4.093	-0.0073
14	30	HDR BIAS	4.1128	4.1038	-0.009
15	30	HDR BIAS	4.0943	4.0849	-0.0094
16	30	HDR UNBIAS	4.0962	4.0969	0.0007
17	30	HDR UNBIAS	4.1037	4.1086	0.0049
18	30	HDR UNBIAS	4.1353	4.1388	0.0035
19	30	HDR UNBIAS	4.124	4.1248	0.0008
20	30	HDR UNBIAS	4.0965	4.0963	-0.0002
21	50	HDR BIAS	4.1056	4.1042	-0.0014
22	50	HDR BIAS	4.1181	4.0969	-0.0212
23	50	HDR BIAS	4.1181	4.1026	-0.0155
24	50	HDR BIAS	4.0837	4.0816	-0.0021
25	50	HDR BIAS	4.0949	4.0883	-0.0066
26	50	HDR UNBIAS	4.1349	4.1278	-0.0071
27	50	HDR UNBIAS	4.0996	4.1079	0.0083
28	50	HDR UNBIAS	4.1165	4.105	-0.0115
29	50	HDR UNBIAS	4.0737	4.0749	0.0012
30	50	HDR UNBIAS	4.0997	4.0991	-0.0006
41	0	CORRELATION	4.11	4.1098	-0.0002
42	0	CORRELATION	4.124	4.1241	0.0001
43	0	CORRELATION	4.1003	4.1033	0.003
45	0	CORRELATION	4.1365	4.1378	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	4.1003	4.1177	4.1365	0.015866	4.1033	4.1188	4.1378	0.015388	-0.0002	0.00105	0.003	0.0014526
20	4.0881	4.1144	4.139	0.015802	4.0756	4.1119	4.1385	0.018918	-0.0125	-0.00249	0.0045	0.0044698
30	4.0943	4.1098	4.1353	0.014299	4.0849	4.1078	4.1388	0.016275	-0.0094	-0.00204	0.0049	0.0057981
50	4.0737	4.1045	4.1349	0.018135	4.0749	4.0988	4.1278	0.014858	-0.0212	-0.00565	0.0083	0.0086522

Device Test: 15.29 THRESHOLD|FALL/BP5H/12/10////@V_BP5H_TH_FALL





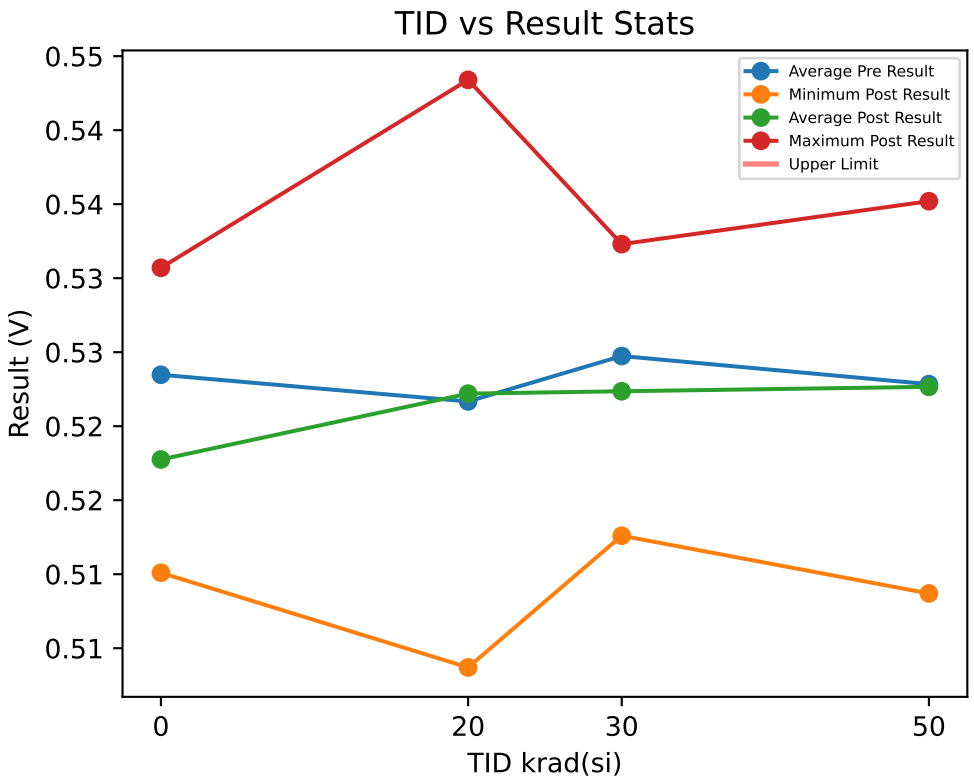
Test Results (No Limits Specified (V))

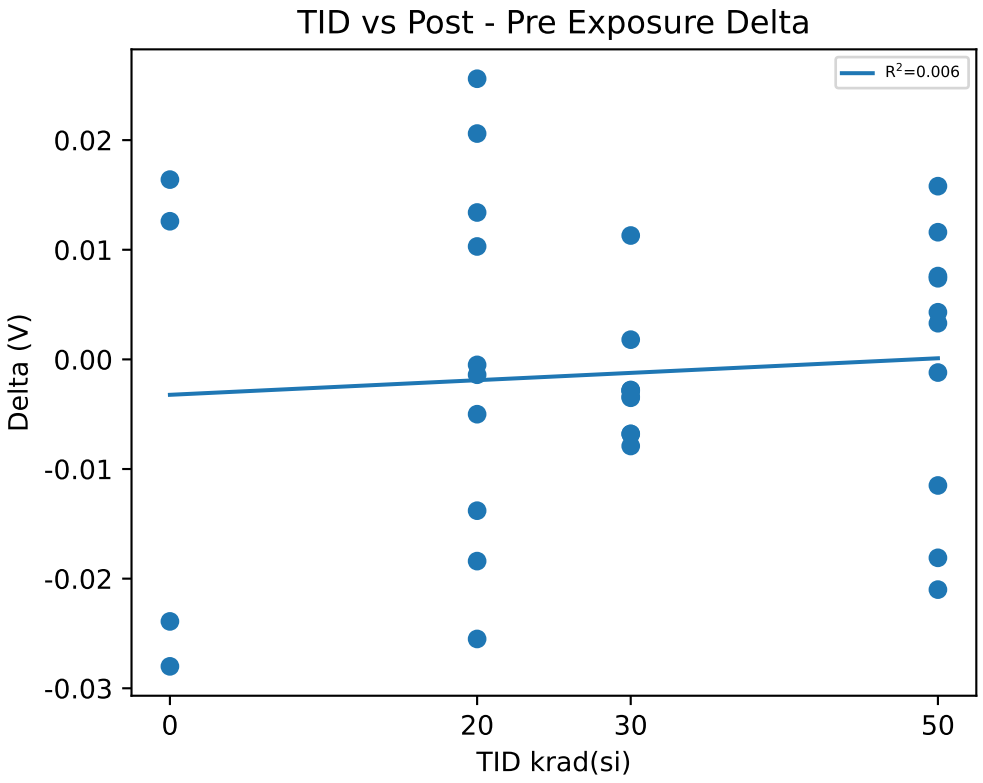
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	20	HDR BIAS	3.9194	3.916	-0.0034
2	20	HDR BIAS	3.922	3.9187	-0.0033
3	20	HDR BIAS	3.9253	3.9238	-0.0015
4	20	HDR BIAS	3.9235	3.9196	-0.0039
5	20	HDR BIAS	3.9469	3.9425	-0.0044
6	20	HDR UNBIAS	3.947	3.9431	-0.0039
7	20	HDR UNBIAS	3.9512	3.9446	-0.0066
8	20	HDR UNBIAS	3.8998	3.8884	-0.0114
9	20	HDR UNBIAS	3.9147	3.9144	-0.0003
10	20	HDR UNBIAS	3.9167	3.9149	-0.0018
11	30	HDR BIAS	3.9356	3.9284	-0.0072
12	30	HDR BIAS	3.9235	3.9193	-0.0042
13	30	HDR BIAS	3.9147	3.9101	-0.0046
14	30	HDR BIAS	3.9238	3.9159	-0.0079
15	30	HDR BIAS	3.9041	3.8988	-0.0053
16	30	HDR UNBIAS	3.9138	3.9081	-0.0057
17	30	HDR UNBIAS	3.9194	3.9175	-0.0019
18	30	HDR UNBIAS	3.9451	3.9446	-0.0005
19	30	HDR UNBIAS	3.935	3.9359	0.0009
20	30	HDR UNBIAS	3.9089	3.9081	-0.0008
21	50	HDR BIAS	3.9191	3.9141	-0.005
22	50	HDR BIAS	3.9267	3.9093	-0.0174
23	50	HDR BIAS	3.9266	3.9126	-0.014
24	50	HDR BIAS	3.9014	3.8981	-0.0033
25	50	HDR BIAS	3.9078	3.8957	-0.0121
26	50	HDR UNBIAS	3.946	3.9425	-0.0035
27	50	HDR UNBIAS	3.9134	3.9191	0.0057
28	50	HDR UNBIAS	3.9282	3.9184	-0.0098
29	50	HDR UNBIAS	3.8888	3.8882	-0.0006
30	50	HDR UNBIAS	3.9079	3.9096	0.0017
41	0	CORRELATION	3.9217	3.9253	0.0036
42	0	CORRELATION	3.9372	3.9331	-0.0041
43	0	CORRELATION	3.9132	3.9138	0.0006
45	0	CORRELATION	3.9472	3.9453	-0.0019

Test Statistics (V)

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	3.9132	3.9298	3.9472	0.015261	3.9138	3.9294	3.9453	0.01325	-0.0041	-0.00045	0.0036	0.0033131
20	3.8998	3.9266	3.9512	0.016585	3.8884	3.9226	3.9446	0.01721	-0.0114	-0.00405	-0.0003	0.0031146
30	3.9041	3.9224	3.9451	0.012957	3.8988	3.9187	3.9446	0.014004	-0.0079	-0.00372	0.0009	0.0029918
50	3.8888	3.9166	3.946	0.016243	3.8882	3.9108	3.9425	0.01509	-0.0174	-0.00583	0.0057	0.0073424

Device Test: 15.3 THRESHOLD|HYST/VIN//10////@V_IN_TH_HYST





Test Results (No Limits Specified (V))

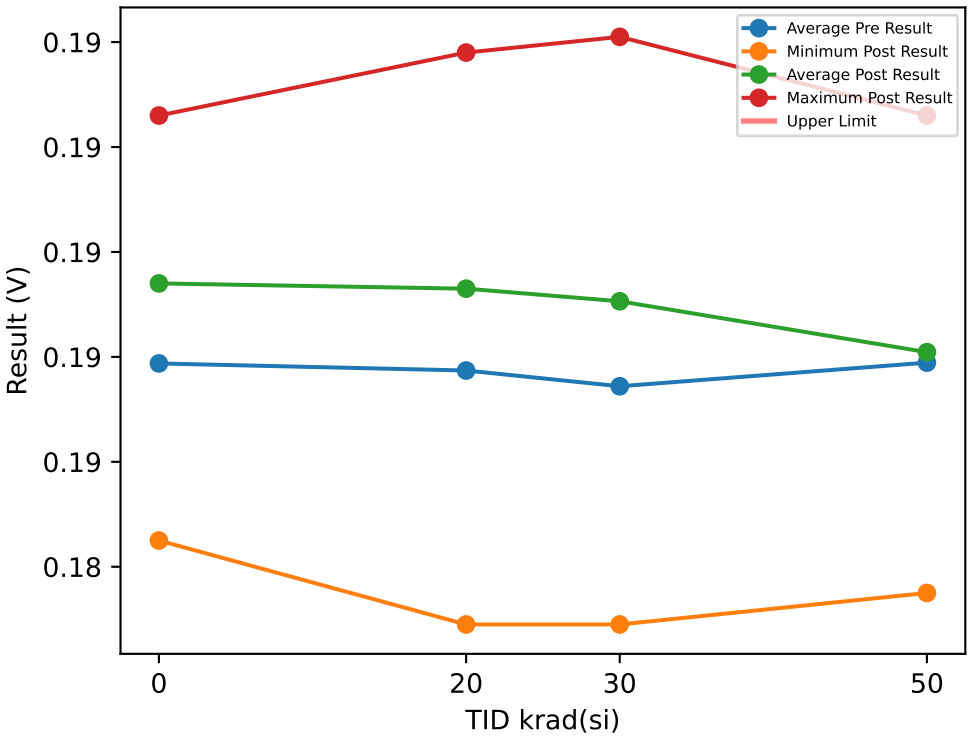
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	20	HDR BIAS	0.5156	0.529	0.0134
2	20	HDR BIAS	0.528	0.5096	-0.0184
3	20	HDR BIAS	0.5251	0.5201	-0.005
4	20	HDR BIAS	0.5227	0.5089	-0.0138
5	20	HDR BIAS	0.5439	0.5434	-0.0005
6	20	HDR UNBIAS	0.5075	0.5331	0.0256
7	20	HDR UNBIAS	0.5171	0.5377	0.0206
8	20	HDR UNBIAS	0.5129	0.5232	0.0103
9	20	HDR UNBIAS	0.5292	0.5037	-0.0255
10	20	HDR UNBIAS	0.5147	0.5133	-0.0014
11	30	HDR BIAS	0.5237	0.5255	0.0018
12	30	HDR BIAS	0.5128	0.5241	0.0113
13	30	HDR BIAS	0.5351	0.5323	-0.0028
14	30	HDR BIAS	0.5194	0.5126	-0.0068
15	30	HDR BIAS	0.5227	0.5199	-0.0028
16	30	HDR UNBIAS	0.5281	0.5213	-0.0068
17	30	HDR UNBIAS	0.5313	0.5279	-0.0034
18	30	HDR UNBIAS	0.5233	0.5154	-0.0079
19	30	HDR UNBIAS	0.533	0.5295	-0.0035
20	30	HDR UNBIAS	0.518	0.5151	-0.0029
21	50	HDR BIAS	0.5423	0.5308	-0.0115
22	50	HDR BIAS	0.5182	0.5258	0.0076
23	50	HDR BIAS	0.542	0.5239	-0.0181
24	50	HDR BIAS	0.51	0.5258	0.0158
25	50	HDR BIAS	0.5381	0.5171	-0.021
26	50	HDR UNBIAS	0.5099	0.5087	-0.0012
27	50	HDR UNBIAS	0.5174	0.529	0.0116
28	50	HDR UNBIAS	0.5109	0.5142	0.0033
29	50	HDR UNBIAS	0.5278	0.5352	0.0074
30	50	HDR UNBIAS	0.5118	0.5161	0.0043
41	0	CORRELATION	0.5054	0.518	0.0126
42	0	CORRELATION	0.5381	0.5101	-0.028
43	0	CORRELATION	0.5143	0.5307	0.0164
45	0	CORRELATION	0.5361	0.5122	-0.0239

Test Statistics (V)

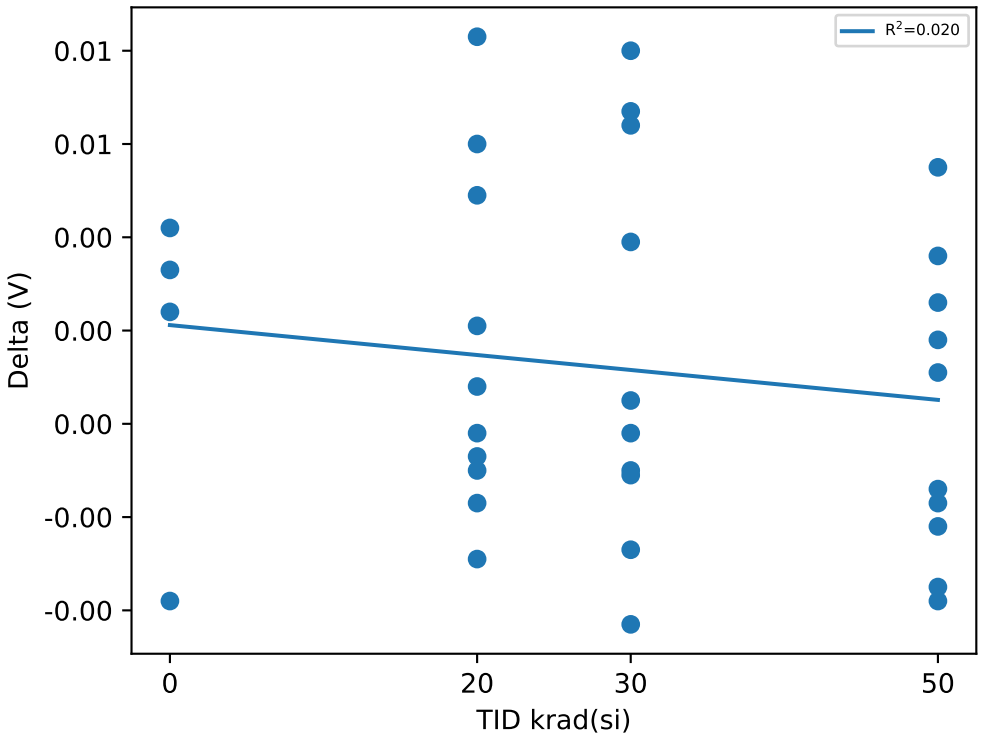
krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	0.5054	0.52348	0.5381	0.016168	0.5101	0.51775	0.5307	0.0092572	-0.028	-0.005725	0.0164	0.023465
20	0.5075	0.52167	0.5439	0.010476	0.5037	0.5222	0.5434	0.013405	-0.0255	0.00053	0.0256	0.016895
30	0.5128	0.52474	0.5351	0.0071001	0.5126	0.52236	0.5323	0.0066412	-0.0079	-0.00238	0.0113	0.0055485
50	0.5099	0.52284	0.5423	0.013545	0.5087	0.52266	0.5352	0.0083358	-0.021	-0.00018	0.0158	0.012597

Device Test: 15.30 THRESHOLD|HYST/BP5H/12/10////@V_BP5H_TH_HYST

TID vs Result Stats



TID vs Post - Pre Exposure Delta



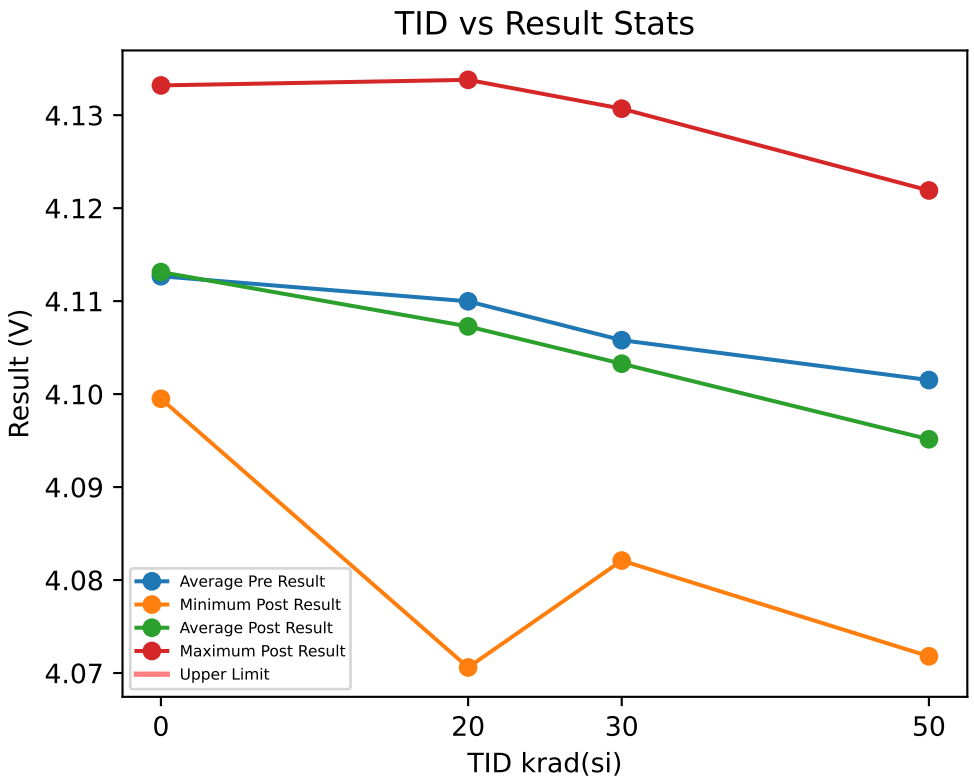
Test Results (No Limits Specified (V))

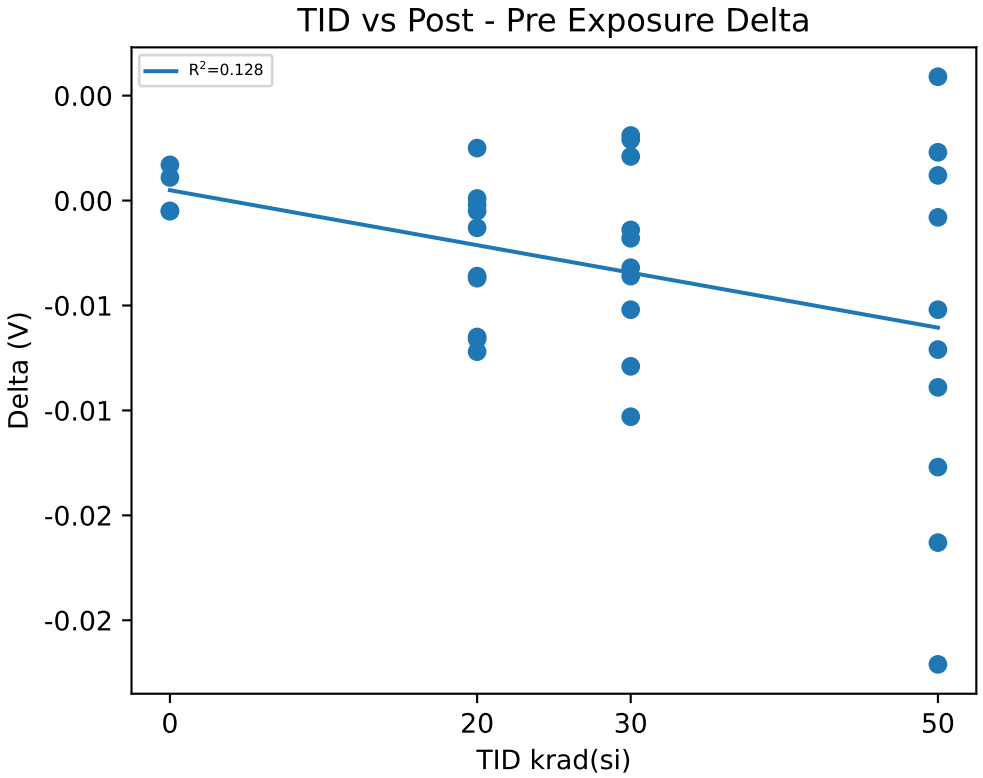
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	20	HDR BIAS	0.1871	0.1892	0.0021
2	20	HDR BIAS	0.1911	0.1904	-0.0007
3	20	HDR BIAS	0.1924	0.1907	-0.0017
4	20	HDR BIAS	0.1867	0.1916	0.0049
5	20	HDR BIAS	0.1843	0.1851	0.0008
6	20	HDR UNBIAS	0.1852	0.1935	0.0083
7	20	HDR UNBIAS	0.1878	0.1938	0.006
8	20	HDR UNBIAS	0.1883	0.1873	-0.001
9	20	HDR UNBIAS	0.1887	0.1885	-0.0002
10	20	HDR UNBIAS	0.1858	0.1829	-0.0029
11	30	HDR BIAS	0.1899	0.1888	-0.0011
12	30	HDR BIAS	0.1861	0.1941	0.008
13	30	HDR BIAS	0.1856	0.1829	-0.0027
14	30	HDR BIAS	0.1889	0.1879	-0.001
15	30	HDR BIAS	0.1903	0.186	-0.0043
16	30	HDR UNBIAS	0.1824	0.1888	0.0064
17	30	HDR UNBIAS	0.1843	0.191	0.0067
18	30	HDR UNBIAS	0.1902	0.1941	0.0039
19	30	HDR UNBIAS	0.189	0.1888	-0.0002
20	30	HDR UNBIAS	0.1877	0.1882	0.0005
21	50	HDR BIAS	0.1865	0.1901	0.0036
22	50	HDR BIAS	0.1914	0.1876	-0.0038
23	50	HDR BIAS	0.1915	0.1901	-0.0014
24	50	HDR BIAS	0.1824	0.1835	0.0011
25	50	HDR BIAS	0.1871	0.1926	0.0055
26	50	HDR UNBIAS	0.1889	0.1854	-0.0035
27	50	HDR UNBIAS	0.1862	0.1888	0.0026
28	50	HDR UNBIAS	0.1883	0.1866	-0.0017
29	50	HDR UNBIAS	0.1849	0.1867	0.0018
30	50	HDR UNBIAS	0.1917	0.1895	-0.0022
41	0	CORRELATION	0.1883	0.1845	-0.0038
42	0	CORRELATION	0.1868	0.191	0.0042
43	0	CORRELATION	0.1871	0.1895	0.0024
45	0	CORRELATION	0.1893	0.1926	0.0033

Test Statistics (V)

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	0.1868	0.18787	0.1893	0.00115	0.1845	0.1894	0.1926	0.0035033	-0.0038	0.001525	0.0042	0.0036253
20	0.1843	0.18774	0.1924	0.0025339	0.1829	0.1893	0.1938	0.0034897	-0.0029	0.00156	0.0083	0.0036885
30	0.1824	0.18744	0.1903	0.0027269	0.1829	0.18906	0.1941	0.003402	-0.0043	0.00162	0.008	0.0043089
50	0.1824	0.18789	0.1917	0.0030831	0.1835	0.18809	0.1926	0.0026585	-0.0038	0.0002	0.0055	0.0031693

Device Test: 15.31 THRESHOLD|RISE/BP5H/14/14////@V_BP5H_TH_RISE





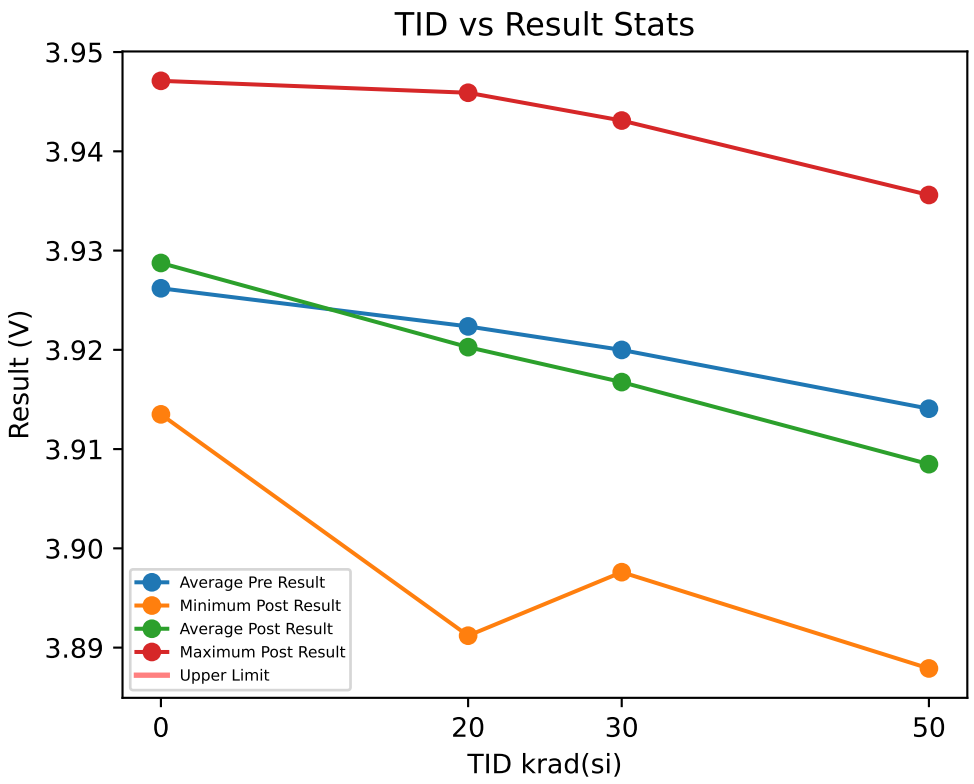
Test Results (No Limits Specified (V))

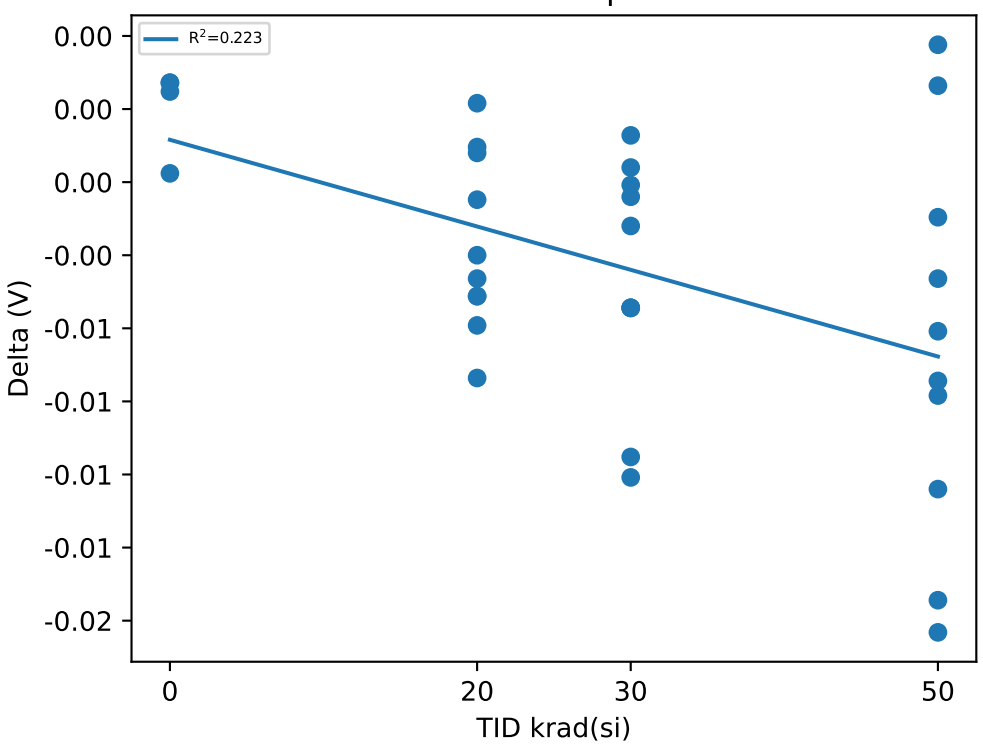
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	20	HDR BIAS	4.1043	4.0977	-0.0066
2	20	HDR BIAS	4.104	4.1041	0.0001
3	20	HDR BIAS	4.1137	4.1101	-0.0036
4	20	HDR BIAS	4.1065	4.1063	-0.0002
5	20	HDR BIAS	4.1281	4.1216	-0.0065
6	20	HDR UNBIAS	4.134	4.1303	-0.0037
7	20	HDR UNBIAS	4.1343	4.1338	-0.0005
8	20	HDR UNBIAS	4.0778	4.0706	-0.0072
9	20	HDR UNBIAS	4.0996	4.0983	-0.0013
10	20	HDR UNBIAS	4.0975	4.1	0.0025
11	30	HDR BIAS	4.1206	4.1154	-0.0052
12	30	HDR BIAS	4.1059	4.1088	0.0029
13	30	HDR BIAS	4.0987	4.0908	-0.0079
14	30	HDR BIAS	4.1106	4.1003	-0.0103
15	30	HDR BIAS	4.0853	4.0821	-0.0032
16	30	HDR UNBIAS	4.0934	4.0916	-0.0018
17	30	HDR UNBIAS	4.1024	4.1045	0.0021
18	30	HDR UNBIAS	4.1321	4.1307	-0.0014
19	30	HDR UNBIAS	4.1196	4.116	-0.0036
20	30	HDR UNBIAS	4.0894	4.0925	0.0031
21	50	HDR BIAS	4.1003	4.0995	-0.0008
22	50	HDR BIAS	4.114	4.0919	-0.0221
23	50	HDR BIAS	4.114	4.0977	-0.0163
24	50	HDR BIAS	4.0865	4.0813	-0.0052
25	50	HDR BIAS	4.0928	4.0839	-0.0089
26	50	HDR UNBIAS	4.129	4.1219	-0.0071
27	50	HDR UNBIAS	4.0971	4.103	0.0059
28	50	HDR UNBIAS	4.114	4.1013	-0.0127
29	50	HDR UNBIAS	4.0706	4.0718	0.0012
30	50	HDR UNBIAS	4.0968	4.0991	0.0023
41	0	CORRELATION	4.1059	4.1054	-0.0005
42	0	CORRELATION	4.1149	4.1144	-0.0005
43	0	CORRELATION	4.0978	4.0995	0.0017
45	0	CORRELATION	4.1321	4.1332	0.0011

Test Statistics (V)

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	4.0978	4.1127	4.1321	0.014713	4.0995	4.1131	4.1332	0.014719	-0.0005	0.00045	0.0017	0.001124
20	4.0778	4.11	4.1343	0.017919	4.0706	4.1073	4.1338	0.018343	-0.0072	-0.0027	0.0025	0.0033273
30	4.0853	4.1058	4.1321	0.015015	4.0821	4.1033	4.1307	0.014751	-0.0103	-0.00253	0.0031	0.0045014
50	4.0706	4.1015	4.129	0.016744	4.0718	4.0951	4.1219	0.013865	-0.0221	-0.00637	0.0059	0.0088723

Device Test: 15.32 THRESHOLD|FALL/BP5H/14/14////@V_BP5H_TH_FALL





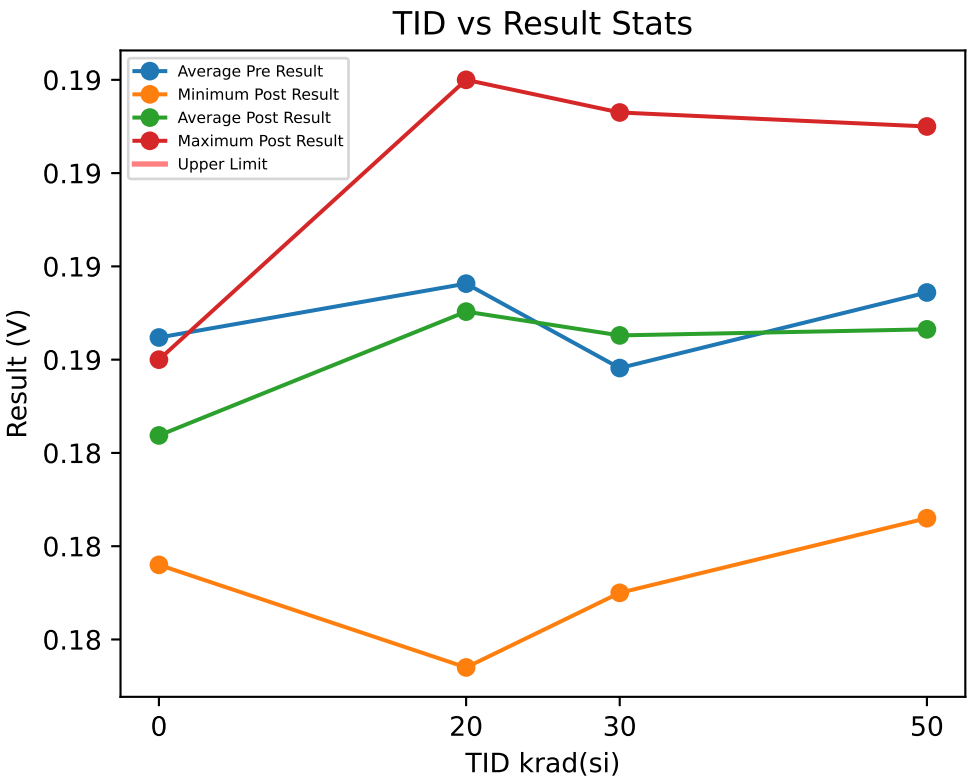
Test Results (No Limits Specified (V))

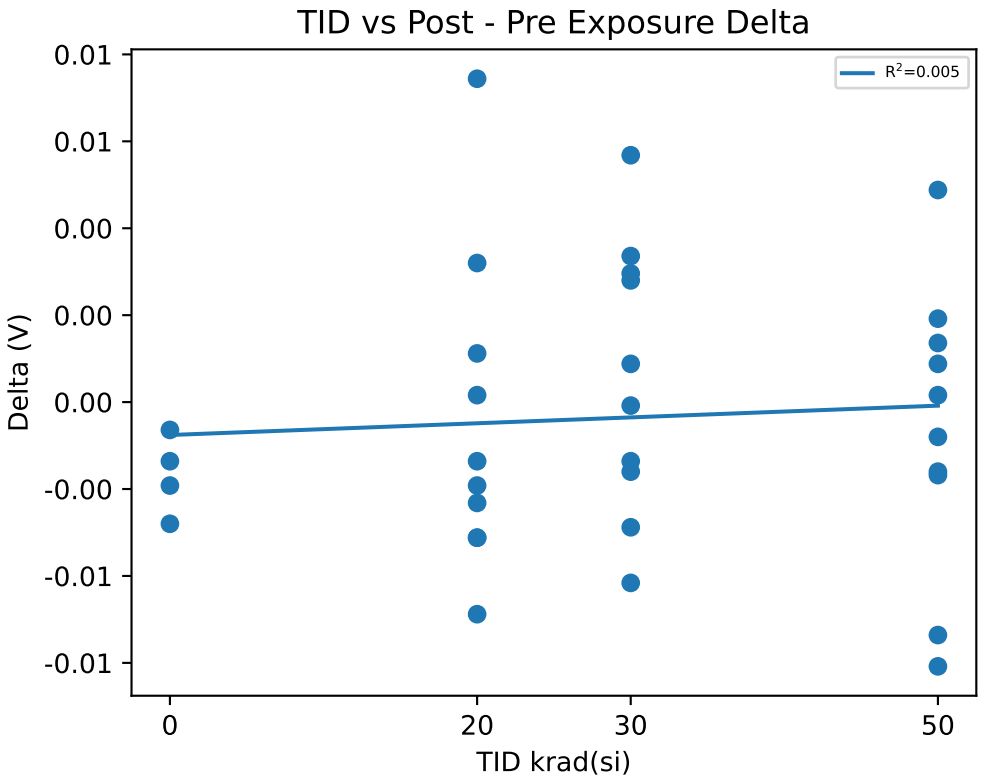
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	20	HDR BIAS	3.9141	3.9135	-0.0006
2	20	HDR BIAS	3.9179	3.914	-0.0039
3	20	HDR BIAS	3.9259	3.921	-0.0049
4	20	HDR BIAS	3.9188	3.9215	0.0027
5	20	HDR BIAS	3.9406	3.9381	-0.0025
6	20	HDR UNBIAS	3.9432	3.9393	-0.0039
7	20	HDR UNBIAS	3.9447	3.9459	0.0012
8	20	HDR UNBIAS	3.8945	3.8912	-0.0033
9	20	HDR UNBIAS	3.9091	3.9101	0.001
10	20	HDR UNBIAS	3.9148	3.9081	-0.0067
11	30	HDR BIAS	3.9369	3.9275	-0.0094
12	30	HDR BIAS	3.9217	3.9174	-0.0043
13	30	HDR BIAS	3.9094	3.9051	-0.0043
14	30	HDR BIAS	3.9229	3.9128	-0.0101
15	30	HDR BIAS	3.9019	3.8976	-0.0043
16	30	HDR UNBIAS	3.9085	3.9084	-0.0001
17	30	HDR UNBIAS	3.9147	3.9132	-0.0015
18	30	HDR UNBIAS	3.9426	3.9431	0.0005
19	30	HDR UNBIAS	3.9334	3.935	0.0016
20	30	HDR UNBIAS	3.9079	3.9074	-0.0005
21	50	HDR BIAS	3.9197	3.9129	-0.0068
22	50	HDR BIAS	3.9235	3.9081	-0.0154
23	50	HDR BIAS	3.9234	3.9091	-0.0143
24	50	HDR BIAS	3.8976	3.8943	-0.0033
25	50	HDR BIAS	3.9034	3.8929	-0.0105
26	50	HDR UNBIAS	3.9429	3.9356	-0.0073
27	50	HDR UNBIAS	3.9091	3.9138	0.0047
28	50	HDR UNBIAS	3.9238	3.9187	-0.0051
29	50	HDR UNBIAS	3.8891	3.8879	-0.0012
30	50	HDR UNBIAS	3.9082	3.9115	0.0033
41	0	CORRELATION	3.9185	3.9216	0.0031
42	0	CORRELATION	3.9325	3.9328	0.0003
43	0	CORRELATION	3.9101	3.9135	0.0034
45	0	CORRELATION	3.9437	3.9471	0.0034

Test Statistics (V)

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	3.9101	3.9262	3.9437	0.014882	3.9135	3.9287	3.9471	0.014569	0.0003	0.00255	0.0034	0.0015067
20	3.8945	3.9224	3.9447	0.016291	3.8912	3.9203	3.9459	0.016736	-0.0067	-0.00209	0.0027	0.0030344
30	3.9019	3.92	3.9426	0.01388	3.8976	3.9167	3.9431	0.014264	-0.0101	-0.00324	0.0016	0.0040302
50	3.8891	3.9141	3.9429	0.015639	3.8879	3.9085	3.9356	0.014003	-0.0154	-0.00559	0.0047	0.0067517

Device Test: 15.33 THRESHOLD|HYST/BP5H/14/14////@V_BP5H_TH_HYST





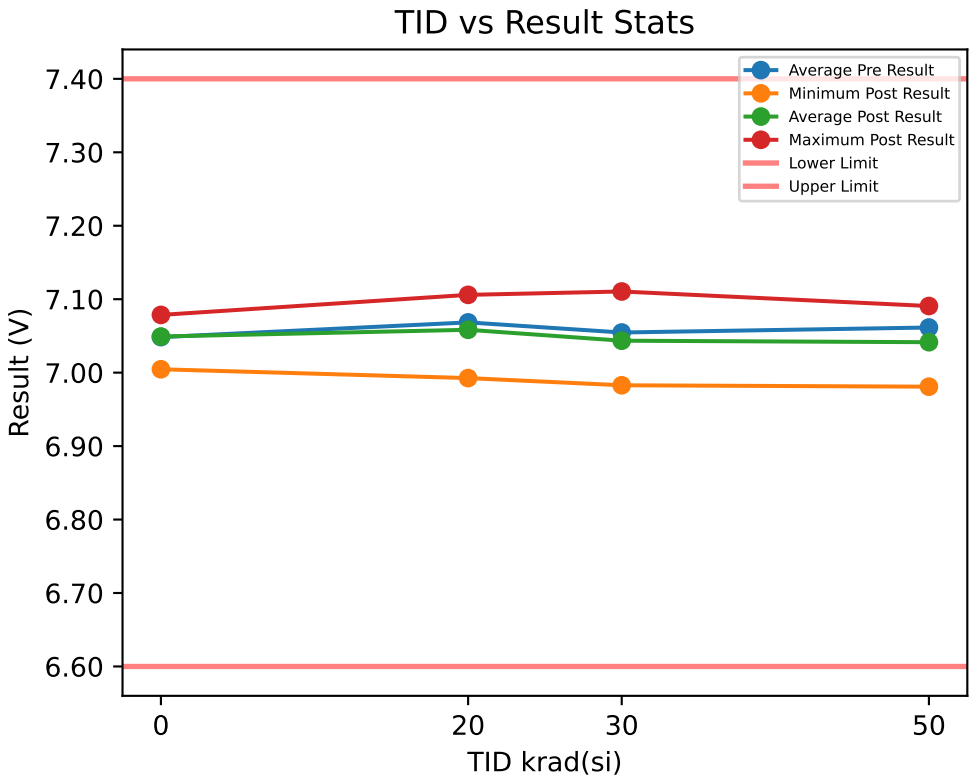
Test Results (No Limits Specified (V))

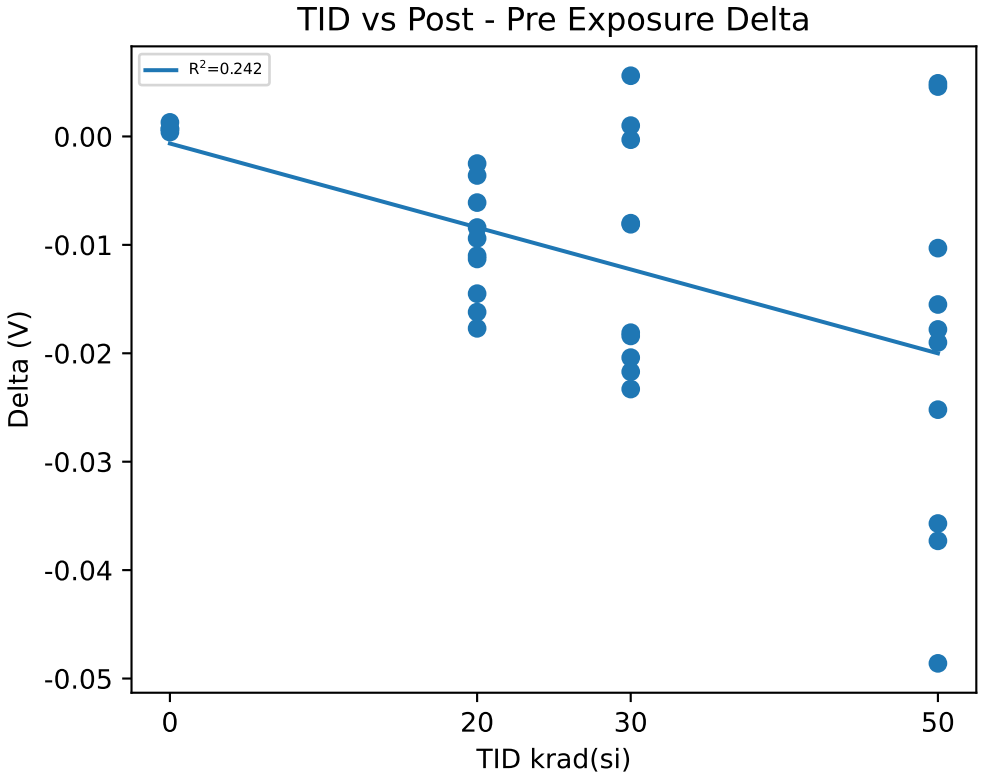
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	20	HDR BIAS	0.1903	0.1842	-0.0061
2	20	HDR BIAS	0.1861	0.1901	0.004
3	20	HDR BIAS	0.1878	0.1892	0.0014
4	20	HDR BIAS	0.1877	0.1848	-0.0029
5	20	HDR BIAS	0.1874	0.1835	-0.0039
6	20	HDR UNBIAS	0.1908	0.191	0.0002
7	20	HDR UNBIAS	0.1896	0.1879	-0.0017
8	20	HDR UNBIAS	0.1833	0.1794	-0.0039
9	20	HDR UNBIAS	0.1906	0.1882	-0.0024
10	20	HDR UNBIAS	0.1827	0.192	0.0093
11	30	HDR BIAS	0.1837	0.1879	0.0042
12	30	HDR BIAS	0.1842	0.1913	0.0071
13	30	HDR BIAS	0.1893	0.1857	-0.0036
14	30	HDR BIAS	0.1877	0.1876	-0.0001
15	30	HDR BIAS	0.1834	0.1845	0.0011
16	30	HDR UNBIAS	0.1849	0.1832	-0.0017
17	30	HDR UNBIAS	0.1878	0.1913	0.0035
18	30	HDR UNBIAS	0.1896	0.1876	-0.002
19	30	HDR UNBIAS	0.1862	0.181	-0.0052
20	30	HDR UNBIAS	0.1814	0.1851	0.0037
21	50	HDR BIAS	0.1806	0.1867	0.0061
22	50	HDR BIAS	0.1905	0.1838	-0.0067
23	50	HDR BIAS	0.1906	0.1885	-0.0021
24	50	HDR BIAS	0.1889	0.1869	-0.002
25	50	HDR BIAS	0.1893	0.191	0.0017
26	50	HDR UNBIAS	0.1861	0.1863	0.0002
27	50	HDR UNBIAS	0.1881	0.1892	0.0011
28	50	HDR UNBIAS	0.1902	0.1826	-0.0076
29	50	HDR UNBIAS	0.1815	0.1839	0.0024
30	50	HDR UNBIAS	0.1886	0.1876	-0.001
41	0	CORRELATION	0.1874	0.1839	-0.0035
42	0	CORRELATION	0.1824	0.1816	-0.0008
43	0	CORRELATION	0.1877	0.186	-0.0017
45	0	CORRELATION	0.1884	0.186	-0.0024

Test Statistics (V)

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	0.1824	0.18648	0.1884	0.0027488	0.1816	0.18438	0.186	0.0020982	-0.0035	-0.0021	-0.0008	0.0011402
20	0.1827	0.18763	0.1908	0.0028937	0.1794	0.18703	0.192	0.0039494	-0.0061	-0.0006	0.0093	0.0045409
30	0.1814	0.18582	0.1896	0.0027357	0.181	0.18652	0.1913	0.0033031	-0.0052	0.0007	0.0071	0.0039044
50	0.1806	0.18744	0.1906	0.0036241	0.1826	0.18665	0.191	0.0026252	-0.0076	-0.00079	0.0061	0.0041221

Device Test: 15.4 THRESHOLD|RISE/BOOT/12/////@V_BOOT_TH_RISE





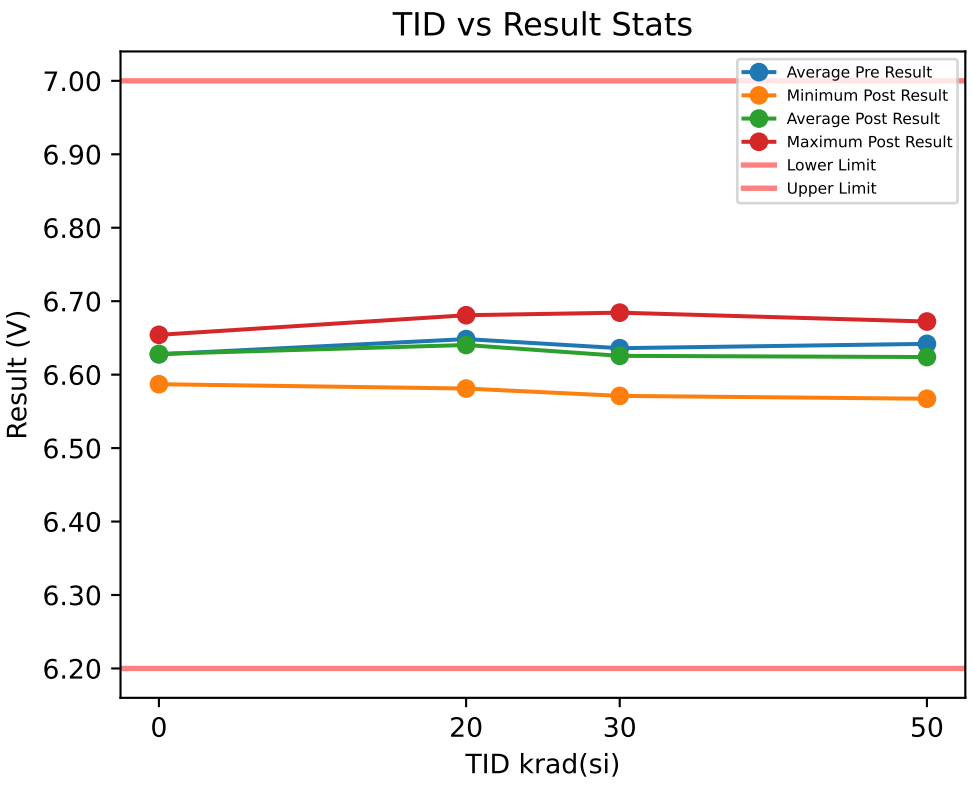
Test Results (Lower Limit = 6.6, Upper Limit = 7.4 (V))

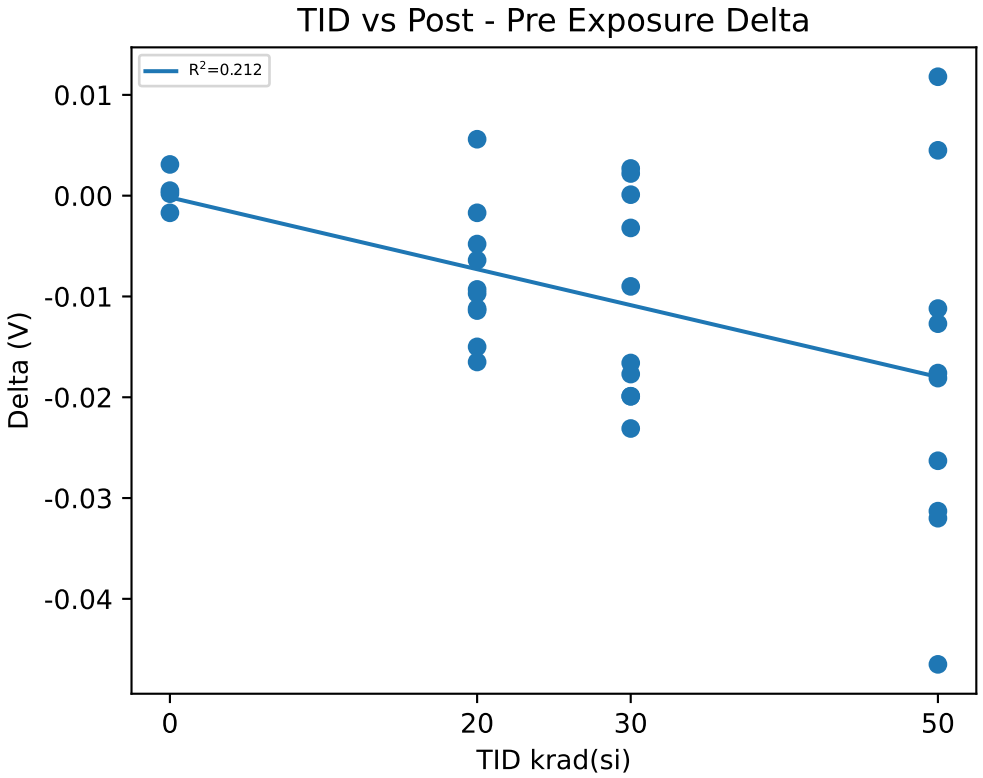
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	20	HDR BIAS	7.098	7.0803	-0.0177
2	20	HDR BIAS	7.0916	7.0822	-0.0094
3	20	HDR BIAS	7.1221	7.1059	-0.0162
4	20	HDR BIAS	7.0782	7.0637	-0.0145
5	20	HDR BIAS	7.1003	7.0893	-0.011
6	20	HDR UNBIAS	7.0377	7.0341	-0.0036
7	20	HDR UNBIAS	7.1052	7.0939	-0.0113
8	20	HDR UNBIAS	7.001	6.9926	-0.0084
9	20	HDR UNBIAS	7.0445	7.0384	-0.0061
10	20	HDR UNBIAS	7.0055	7.003	-0.0025
11	30	HDR BIAS	7.0912	7.0679	-0.0233
12	30	HDR BIAS	7.1165	7.0981	-0.0184
13	30	HDR BIAS	7.0198	6.9994	-0.0204
14	30	HDR BIAS	7.1286	7.1105	-0.0181
15	30	HDR BIAS	7.0045	6.9828	-0.0217
16	30	HDR UNBIAS	7.0042	6.9961	-0.0081
17	30	HDR UNBIAS	7.0474	7.0484	0.001
18	30	HDR UNBIAS	7.0656	7.0653	-0.0003
19	30	HDR UNBIAS	7.0477	7.0397	-0.008
20	30	HDR UNBIAS	7.0211	7.0267	0.0056
21	50	HDR BIAS	7.0045	6.9867	-0.0178
22	50	HDR BIAS	7.0964	7.0591	-0.0373
23	50	HDR BIAS	7.0295	6.9809	-0.0486
24	50	HDR BIAS	7.0841	7.0484	-0.0357
25	50	HDR BIAS	7.0503	7.0251	-0.0252
26	50	HDR UNBIAS	7.076	7.0806	0.0046
27	50	HDR UNBIAS	7.0273	7.0322	0.0049
28	50	HDR UNBIAS	7.1097	7.0907	-0.019
29	50	HDR UNBIAS	7.0691	7.0536	-0.0155
30	50	HDR UNBIAS	7.0675	7.0572	-0.0103
41	0	CORRELATION	7.0039	7.0046	0.0007
42	0	CORRELATION	7.0685	7.0689	0.0004
43	0	CORRELATION	7.0779	7.0786	0.0007
45	0	CORRELATION	7.0432	7.0445	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	7.0039	7.0484	7.0779	0.033073	7.0046	7.0492	7.0786	0.032983	0.0004	0.000775	0.0013	0.00037749
20	7.001	7.0684	7.1221	0.043178	6.9926	7.0583	7.1059	0.039348	-0.0177	-0.01007	-0.0025	0.0051203
30	7.0042	7.0547	7.1286	0.045032	6.9828	7.0435	7.1105	0.043125	-0.0233	-0.01117	0.0056	0.010596
50	7.0045	7.0614	7.1097	0.033207	6.9809	7.0415	7.0907	0.036103	-0.0486	-0.01999	0.0049	0.017436

Device Test: 15.5 THRESHOLD|FALL/BOOT/12/////@V_BOOT_TH_FALL





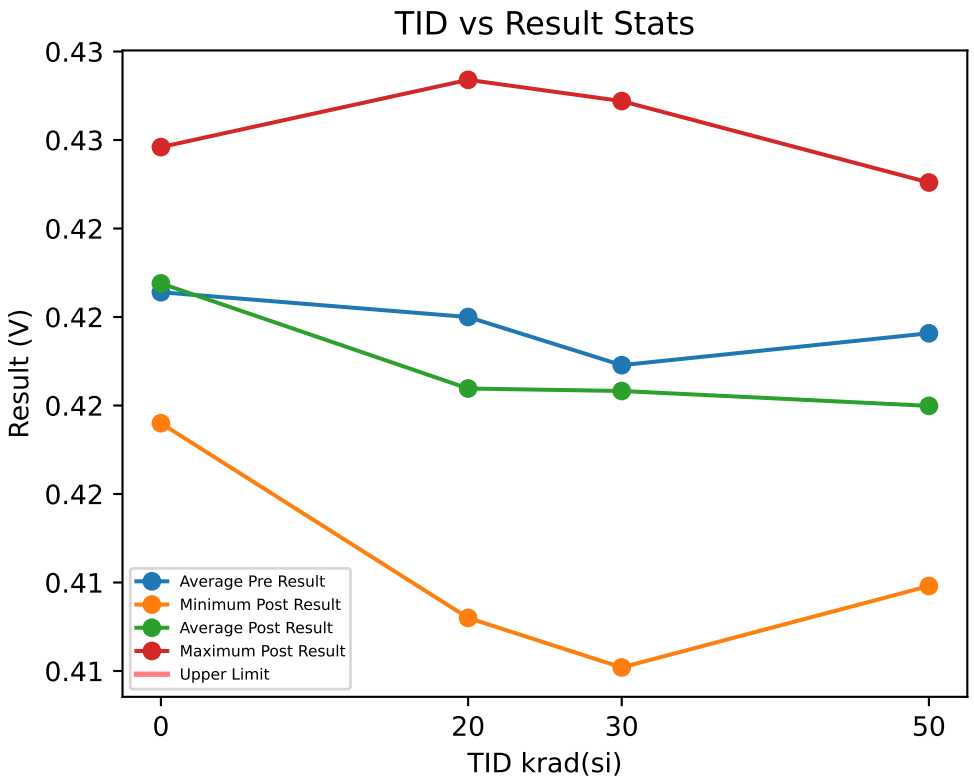
Test Results (Lower Limit = 6.2, Upper Limit = 7.0 (V))

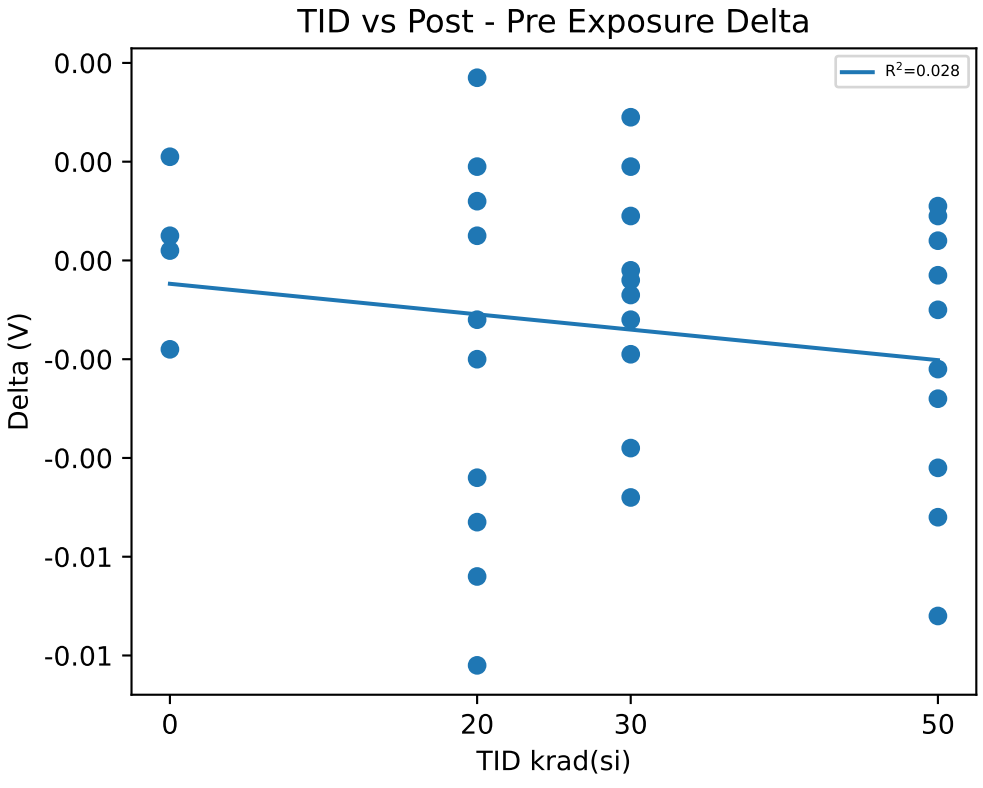
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	20	HDR BIAS	6.676	6.6646	-0.0114
2	20	HDR BIAS	6.6738	6.6626	-0.0112
3	20	HDR BIAS	6.6974	6.6809	-0.0165
4	20	HDR BIAS	6.6547	6.6454	-0.0093
5	20	HDR BIAS	6.6763	6.6666	-0.0097
6	20	HDR UNBIAS	6.6242	6.6194	-0.0048
7	20	HDR UNBIAS	6.6822	6.6672	-0.015
8	20	HDR UNBIAS	6.5875	6.5811	-0.0064
9	20	HDR UNBIAS	6.6267	6.625	-0.0017
10	20	HDR UNBIAS	6.5852	6.5908	0.0056
11	30	HDR BIAS	6.6705	6.6474	-0.0231
12	30	HDR BIAS	6.6982	6.6805	-0.0177
13	30	HDR BIAS	6.6059	6.5893	-0.0166
14	30	HDR BIAS	6.7043	6.6844	-0.0199
15	30	HDR BIAS	6.591	6.5711	-0.0199
16	30	HDR UNBIAS	6.5859	6.5769	-0.009
17	30	HDR UNBIAS	6.628	6.6302	0.0022
18	30	HDR UNBIAS	6.6485	6.6486	0.0001
19	30	HDR UNBIAS	6.6276	6.6244	-0.0032
20	30	HDR UNBIAS	6.6005	6.6032	0.0027
21	50	HDR BIAS	6.5848	6.5672	-0.0176
22	50	HDR BIAS	6.6709	6.6389	-0.032
23	50	HDR BIAS	6.6147	6.5682	-0.0465
24	50	HDR BIAS	6.6621	6.6308	-0.0313
25	50	HDR BIAS	6.639	6.6127	-0.0263
26	50	HDR UNBIAS	6.6508	6.6626	0.0118
27	50	HDR UNBIAS	6.6134	6.6179	0.0045
28	50	HDR UNBIAS	6.6904	6.6723	-0.0181
29	50	HDR UNBIAS	6.6484	6.6357	-0.0127
30	50	HDR UNBIAS	6.6446	6.6334	-0.0112
41	0	CORRELATION	6.5868	6.587	0.0002
42	0	CORRELATION	6.6458	6.6441	-0.0017
43	0	CORRELATION	6.6537	6.6542	0.0005
45	0	CORRELATION	6.6244	6.6275	0.0031

Test Statistics (V)

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	6.5868	6.6277	6.6537	0.029929	6.587	6.6282	6.6542	0.02959	-0.0017	0.000525	0.0031	0.0019738
20	6.5852	6.6484	6.6974	0.040177	6.5811	6.6404	6.6809	0.034646	-0.0165	-0.00804	0.0056	0.006541
30	6.5859	6.636	6.7043	0.043097	6.5711	6.6256	6.6844	0.040359	-0.0231	-0.01044	0.0027	0.010154
50	6.5848	6.6419	6.6904	0.030824	6.5672	6.624	6.6723	0.034675	-0.0465	-0.01794	0.0118	0.017393

Device Test: 15.6 THRESHOLD|HYST/BOOT/12/////@V_BOOT_TH_HYST





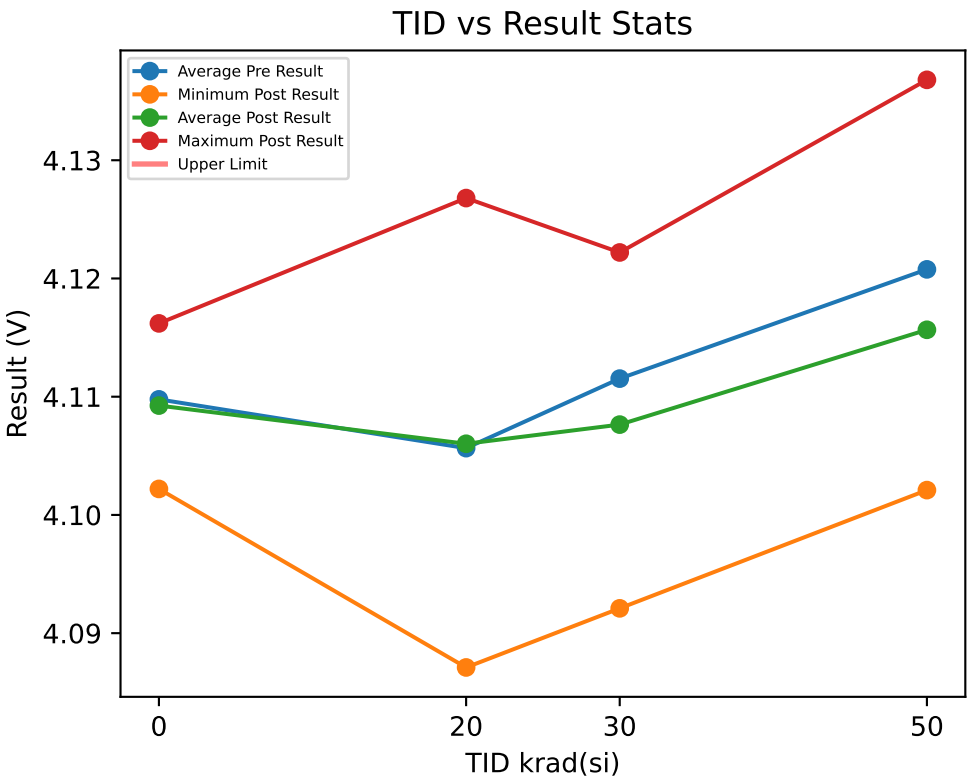
Test Results (No Limits Specified (V))

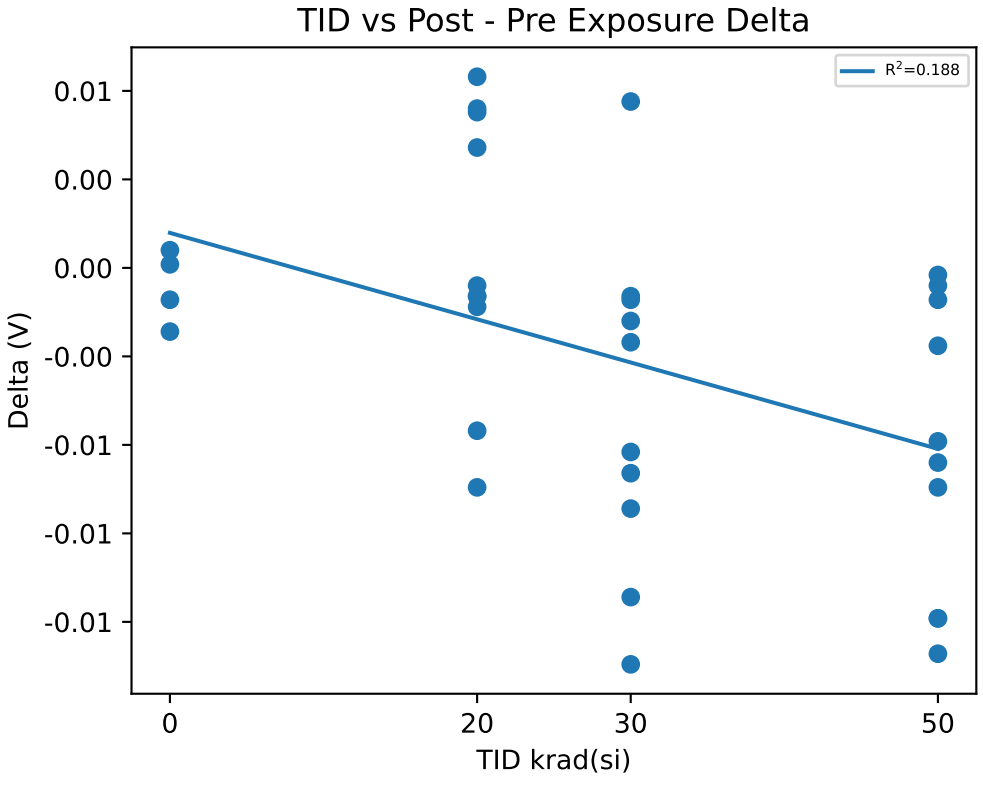
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	20	HDR BIAS	0.422	0.4156	-0.0064
2	20	HDR BIAS	0.4177	0.4196	0.0019
3	20	HDR BIAS	0.4246	0.4251	0.0005
4	20	HDR BIAS	0.4236	0.4183	-0.0053
5	20	HDR BIAS	0.424	0.4228	-0.0012
6	20	HDR UNBIAS	0.4135	0.4147	0.0012
7	20	HDR UNBIAS	0.423	0.4267	0.0037
8	20	HDR UNBIAS	0.4135	0.4115	-0.002
9	20	HDR UNBIAS	0.4178	0.4134	-0.0044
10	20	HDR UNBIAS	0.4203	0.4121	-0.0082
11	30	HDR BIAS	0.4207	0.4205	-0.0002
12	30	HDR BIAS	0.4184	0.4177	-0.0007
13	30	HDR BIAS	0.4139	0.4101	-0.0038
14	30	HDR BIAS	0.4242	0.4261	0.0019
15	30	HDR BIAS	0.4136	0.4117	-0.0019
16	30	HDR UNBIAS	0.4184	0.4193	0.0009
17	30	HDR UNBIAS	0.4194	0.4182	-0.0012
18	30	HDR UNBIAS	0.4171	0.4167	-0.0004
19	30	HDR UNBIAS	0.4201	0.4153	-0.0048
20	30	HDR UNBIAS	0.4206	0.4235	0.0029
21	50	HDR BIAS	0.4198	0.4195	-0.0003
22	50	HDR BIAS	0.4255	0.4203	-0.0052
23	50	HDR BIAS	0.4149	0.4127	-0.0022
24	50	HDR BIAS	0.4219	0.4177	-0.0042
25	50	HDR BIAS	0.4113	0.4124	0.0011
26	50	HDR UNBIAS	0.4252	0.418	-0.0072
27	50	HDR UNBIAS	0.4139	0.4143	0.0004
28	50	HDR UNBIAS	0.4193	0.4183	-0.001
29	50	HDR UNBIAS	0.4207	0.4179	-0.0028
30	50	HDR UNBIAS	0.4229	0.4238	0.0009
41	0	CORRELATION	0.4171	0.4176	0.0005
42	0	CORRELATION	0.4227	0.4248	0.0021
43	0	CORRELATION	0.4242	0.4244	0.0002
45	0	CORRELATION	0.4188	0.417	-0.0018

Test Statistics (V)

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	0.4171	0.4207	0.4242	0.0033076	0.417	0.42095	0.4248	0.0042249	-0.0018	0.00025	0.0021	0.001601
20	0.4135	0.42	0.4246	0.0041878	0.4115	0.41798	0.4267	0.0054432	-0.0082	-0.00202	0.0037	0.0039338
30	0.4136	0.41864	0.4242	0.0031983	0.4101	0.41791	0.4261	0.0048868	-0.0048	-0.00073	0.0029	0.002374
50	0.4113	0.41954	0.4255	0.0047973	0.4124	0.41749	0.4238	0.0035262	-0.0072	-0.00205	0.0011	0.0027977

Device Test: 15.7 THRESHOLD|RISE/BP5L/10/8////@V_BP5L_TH_RISE





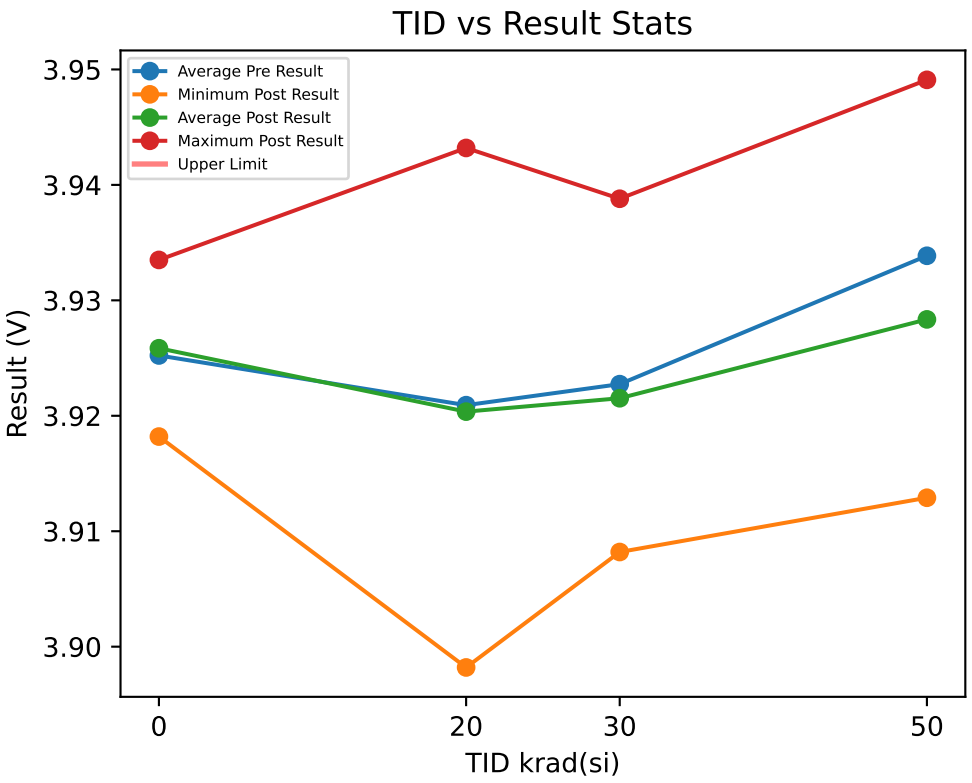
Test Results (No Limits Specified (V))

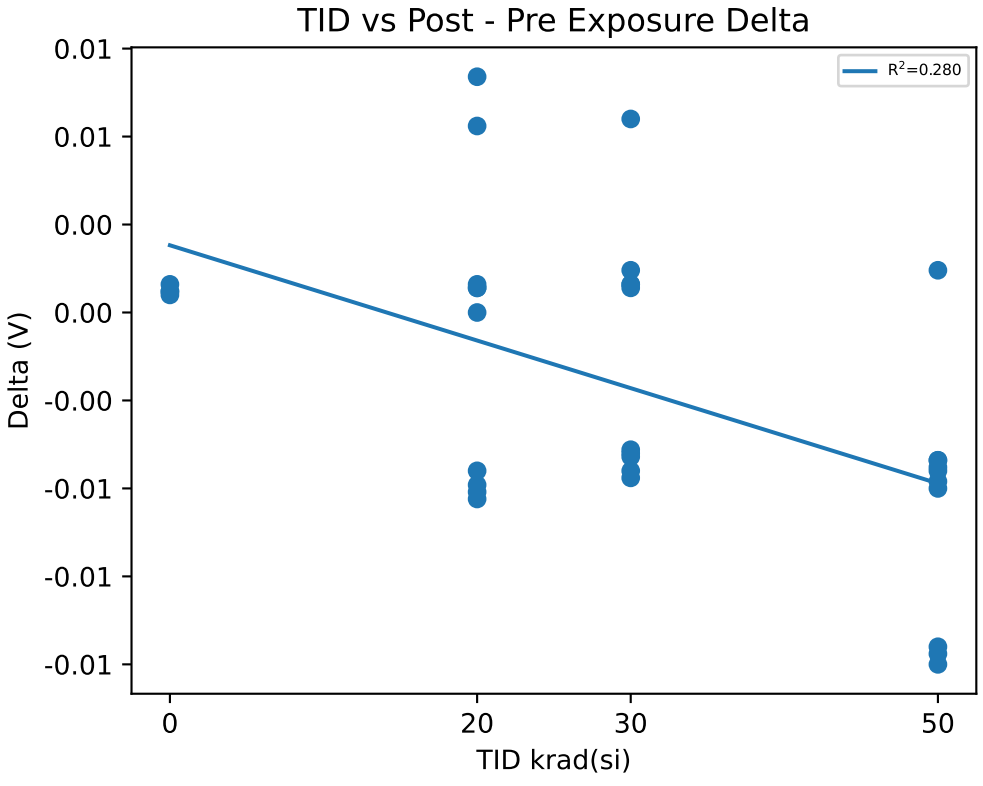
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	20	HDR BIAS	4.097	4.1024	0.0054
2	20	HDR BIAS	4.1077	4.1069	-0.0008
3	20	HDR BIAS	4.127	4.1265	-0.0005
4	20	HDR BIAS	4.1234	4.1268	0.0034
5	20	HDR BIAS	4.1217	4.1171	-0.0046
6	20	HDR UNBIAS	4.0927	4.0916	-0.0011
7	20	HDR UNBIAS	4.1076	4.1121	0.0045
8	20	HDR UNBIAS	4.1037	4.0975	-0.0062
9	20	HDR UNBIAS	4.0827	4.0871	0.0044
10	20	HDR UNBIAS	4.093	4.0922	-0.0008
11	30	HDR BIAS	4.118	4.1112	-0.0068
12	30	HDR BIAS	4.1227	4.1115	-0.0112
13	30	HDR BIAS	4.1123	4.103	-0.0093
14	30	HDR BIAS	4.1171	4.1119	-0.0052
15	30	HDR BIAS	4.0942	4.0921	-0.0021
16	30	HDR UNBIAS	4.098	4.0972	-0.0008
17	30	HDR UNBIAS	4.098	4.1027	0.0047
18	30	HDR UNBIAS	4.1037	4.1028	-0.0009
19	30	HDR UNBIAS	4.1276	4.1218	-0.0058
20	30	HDR UNBIAS	4.1237	4.1222	-0.0015
21	50	HDR BIAS	4.1226	4.1171	-0.0055
22	50	HDR BIAS	4.139	4.1368	-0.0022
23	50	HDR BIAS	4.137	4.1321	-0.0049
24	50	HDR BIAS	4.1087	4.1025	-0.0062
25	50	HDR BIAS	4.1173	4.1168	-0.0005
26	50	HDR UNBIAS	4.1127	4.1028	-0.0099
27	50	HDR UNBIAS	4.103	4.1021	-0.0009
28	50	HDR UNBIAS	4.1174	4.1172	-0.0002
29	50	HDR UNBIAS	4.1173	4.1074	-0.0099
30	50	HDR UNBIAS	4.1327	4.1218	-0.0109
41	0	CORRELATION	4.118	4.1162	-0.0018
42	0	CORRELATION	4.1114	4.1115	0.0001
43	0	CORRELATION	4.108	4.1071	-0.0009
45	0	CORRELATION	4.1017	4.1022	0.0005

Test Statistics (V)

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	4.1017	4.1098	4.118	0.0067982	4.1022	4.1093	4.1162	0.0059914	-0.0018	-0.000525	0.0005	0.001034
20	4.0827	4.1056	4.127	0.014793	4.0871	4.106	4.1268	0.014354	-0.0062	0.00037	0.0054	0.0039623
30	4.0942	4.1115	4.1276	0.012167	4.0921	4.1076	4.1222	0.0098774	-0.0112	-0.00389	0.0047	0.0046872
50	4.103	4.1208	4.139	0.012034	4.1021	4.1157	4.1368	0.012253	-0.0109	-0.00511	-0.0002	0.0041143

Device Test: 15.8 THRESHOLD|FALL/BP5L/10/8////@V_BP5L_TH_FALL





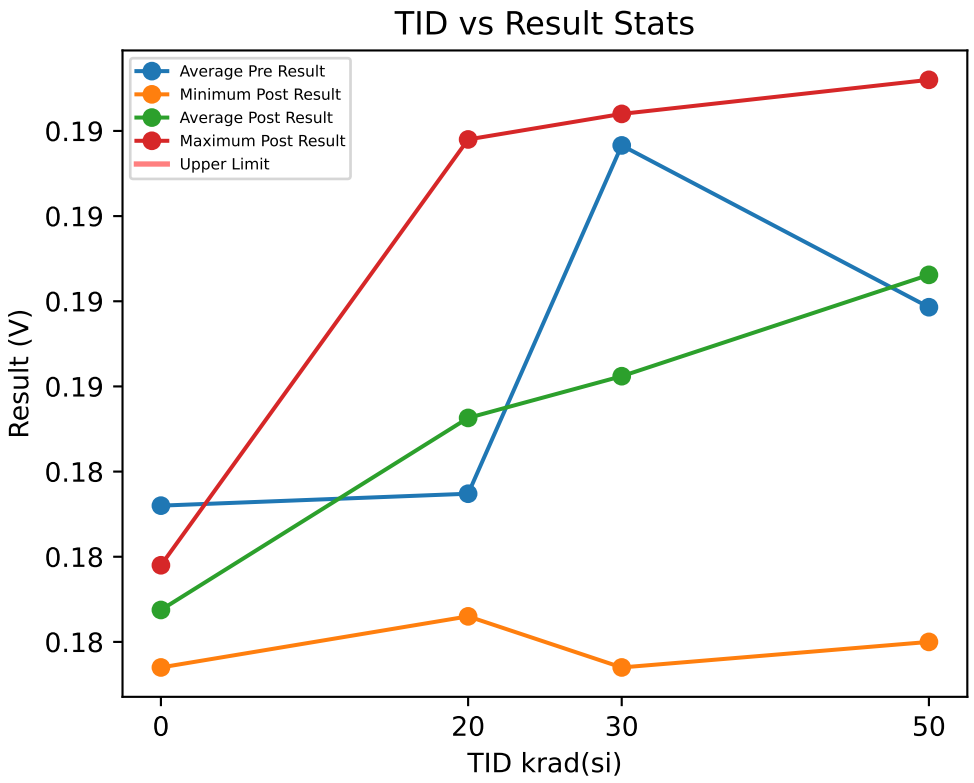
Test Results (No Limits Specified (V))

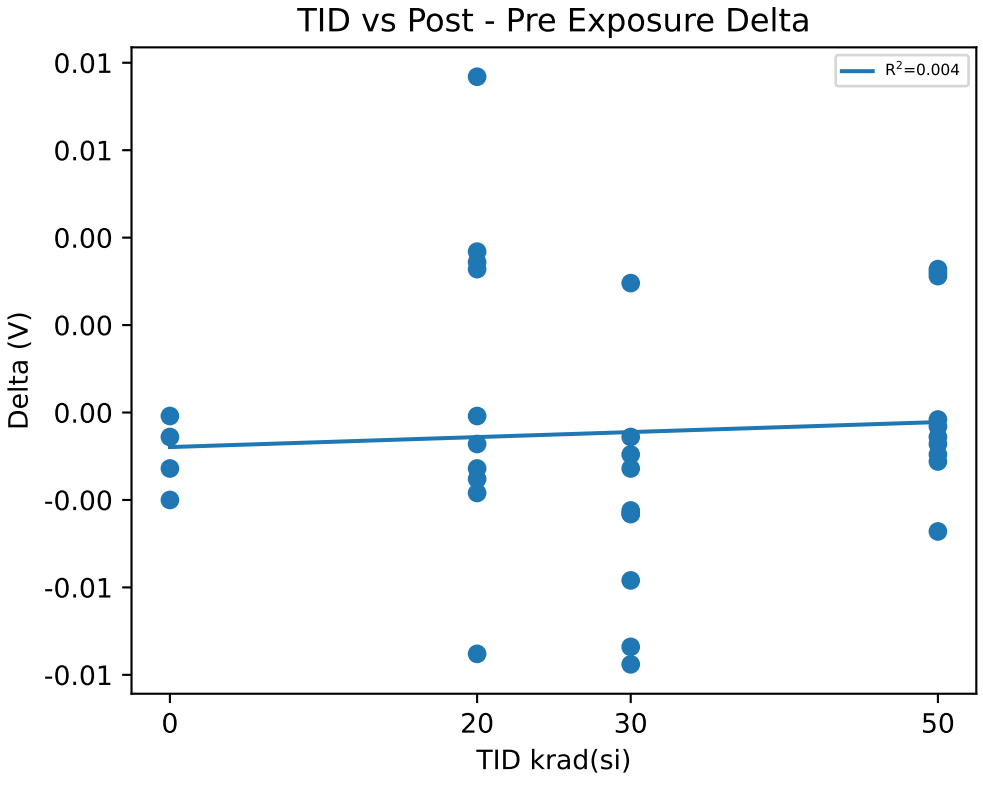
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	20	HDR BIAS	3.9177	3.9185	0.0008
2	20	HDR BIAS	3.9179	3.9186	0.0007
3	20	HDR BIAS	3.943	3.9381	-0.0049
4	20	HDR BIAS	3.9379	3.9432	0.0053
5	20	HDR BIAS	3.9383	3.9338	-0.0045
6	20	HDR UNBIAS	3.9079	3.9026	-0.0053
7	20	HDR UNBIAS	3.9221	3.9288	0.0067
8	20	HDR UNBIAS	3.9129	3.9136	0.0007
9	20	HDR UNBIAS	3.9033	3.8982	-0.0051
10	20	HDR UNBIAS	3.9082	3.9082	0
11	30	HDR BIAS	3.9277	3.9238	-0.0039
12	30	HDR BIAS	3.9329	3.9289	-0.004
13	30	HDR BIAS	3.9227	3.9182	-0.0045
14	30	HDR BIAS	3.9276	3.9235	-0.0041
15	30	HDR BIAS	3.9077	3.9085	0.0008
16	30	HDR UNBIAS	3.9129	3.9082	-0.0047
17	30	HDR UNBIAS	3.9127	3.9182	0.0055
18	30	HDR UNBIAS	3.9129	3.9136	0.0007
19	30	HDR UNBIAS	3.938	3.9388	0.0008
20	30	HDR UNBIAS	3.9323	3.9335	0.0012
21	50	HDR BIAS	3.9324	3.9282	-0.0042
22	50	HDR BIAS	3.9473	3.9485	0.0012
23	50	HDR BIAS	3.9533	3.9491	-0.0042
24	50	HDR BIAS	3.9179	3.9129	-0.005
25	50	HDR BIAS	3.9333	3.9288	-0.0045
26	50	HDR UNBIAS	3.9279	3.9182	-0.0097
27	50	HDR UNBIAS	3.918	3.9132	-0.0048
28	50	HDR UNBIAS	3.9326	3.9282	-0.0044
29	50	HDR UNBIAS	3.9327	3.9232	-0.0095
30	50	HDR UNBIAS	3.9432	3.9332	-0.01
41	0	CORRELATION	3.9329	3.9335	0.0006
42	0	CORRELATION	3.9274	3.9282	0.0008
43	0	CORRELATION	3.9229	3.9235	0.0006
45	0	CORRELATION	3.9177	3.9182	0.0005

Test Statistics (V)

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	3.9177	3.9252	3.9329	0.0064722	3.9182	3.9259	3.9335	0.0065343	0.0005	0.000625	0.0008	0.00012583
20	3.9033	3.9209	3.943	0.014161	3.8982	3.9204	3.9432	0.015256	-0.0053	-0.00056	0.0067	0.0043439
30	3.9077	3.9227	3.938	0.010522	3.9082	3.9215	3.9388	0.010206	-0.0047	-0.00122	0.0055	0.0034791
50	3.9179	3.9339	3.9533	0.011513	3.9129	3.9283	3.9491	0.012728	-0.01	-0.00551	0.0012	0.0034174

Device Test: 15.9 THRESHOLD|HYST/BP5L/10/8////@V_BP5L_TH_HYST





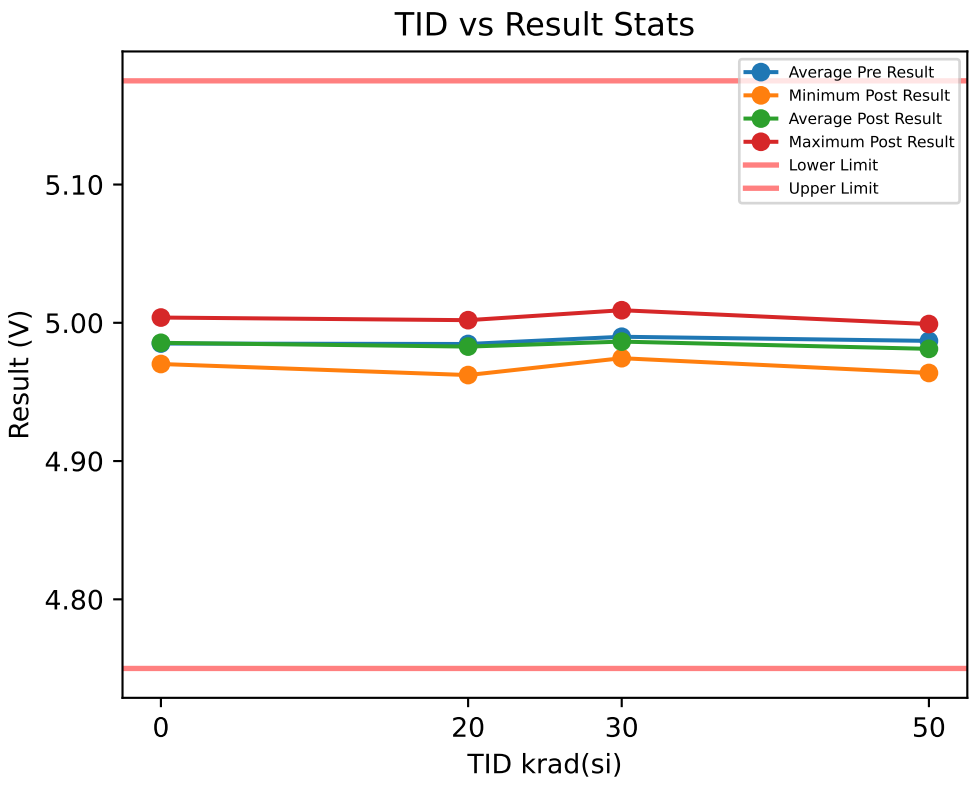
Test Results (No Limits Specified (V))

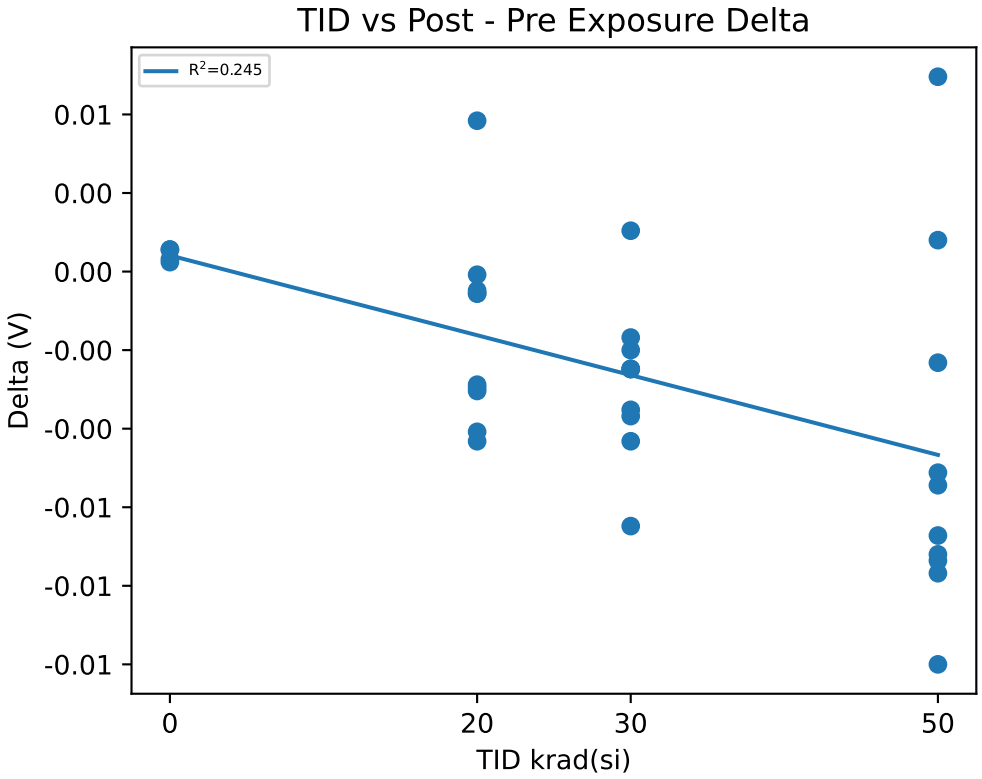
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	20	HDR BIAS	0.1793	0.1839	0.0046
2	20	HDR BIAS	0.1899	0.1883	-0.0016
3	20	HDR BIAS	0.184	0.1883	0.0043
4	20	HDR BIAS	0.1855	0.1836	-0.0019
5	20	HDR BIAS	0.1834	0.1833	-0.0001
6	20	HDR UNBIAS	0.1848	0.1889	0.0041
7	20	HDR UNBIAS	0.1856	0.1833	-0.0023
8	20	HDR UNBIAS	0.1908	0.1839	-0.0069
9	20	HDR UNBIAS	0.1793	0.1889	0.0096
10	20	HDR UNBIAS	0.1848	0.1839	-0.0009
11	30	HDR BIAS	0.1903	0.1874	-0.0029
12	30	HDR BIAS	0.1899	0.1827	-0.0072
13	30	HDR BIAS	0.1897	0.1849	-0.0048
14	30	HDR BIAS	0.1895	0.1883	-0.0012
15	30	HDR BIAS	0.1865	0.1836	-0.0029
16	30	HDR UNBIAS	0.1852	0.1889	0.0037
17	30	HDR UNBIAS	0.1853	0.1846	-0.0007
18	30	HDR UNBIAS	0.1908	0.1892	-0.0016
19	30	HDR UNBIAS	0.1897	0.183	-0.0067
20	30	HDR UNBIAS	0.1914	0.1886	-0.0028
21	50	HDR BIAS	0.1903	0.1889	-0.0014
22	50	HDR BIAS	0.1917	0.1883	-0.0034
23	50	HDR BIAS	0.1837	0.183	-0.0007
24	50	HDR BIAS	0.1908	0.1896	-0.0012
25	50	HDR BIAS	0.184	0.188	0.004
26	50	HDR UNBIAS	0.1848	0.1846	-0.0002
27	50	HDR UNBIAS	0.185	0.1889	0.0039
28	50	HDR UNBIAS	0.1848	0.1889	0.0041
29	50	HDR UNBIAS	0.1847	0.1843	-0.0004
30	50	HDR UNBIAS	0.1895	0.1886	-0.0009
41	0	CORRELATION	0.1852	0.1827	-0.0025
42	0	CORRELATION	0.184	0.1833	-0.0007
43	0	CORRELATION	0.1852	0.1836	-0.0016
45	0	CORRELATION	0.184	0.1839	-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	0.184	0.1846	0.1852	0.00069282	0.1827	0.18338	0.1839	0.00051235	-0.0025	-0.001225	-0.0001	0.00105
20	0.1793	0.18474	0.1908	0.0037447	0.1833	0.18563	0.1889	0.0025734	-0.0069	0.00089	0.0096	0.004721
30	0.1852	0.18883	0.1914	0.0022809	0.1827	0.18612	0.1892	0.0026106	-0.0072	-0.00271	0.0037	0.0031476
50	0.1837	0.18693	0.1917	0.0032056	0.183	0.18731	0.1896	0.0023788	-0.0034	0.00038	0.0041	0.0026465

Device Test: 16.1 LEVEL|OUT/BP5L/10/8////@V_BP5L





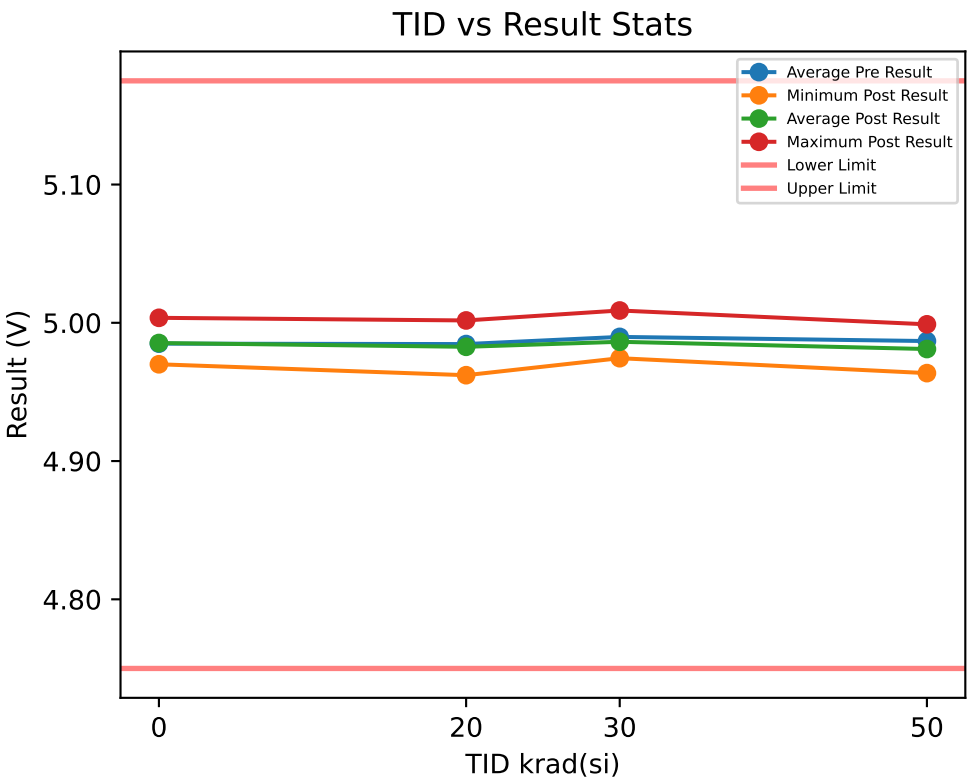
Test Results (Lower Limit = 4.75, Upper Limit = 5.175 (V))

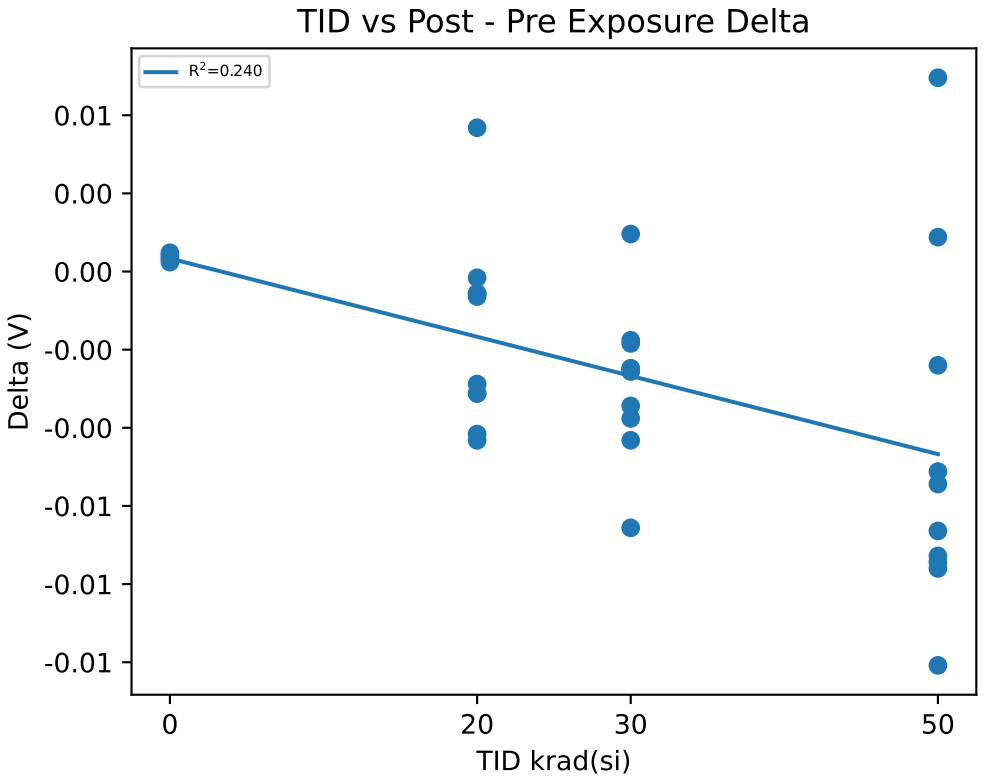
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	20	HDR BIAS	4.9868	4.9916	0.0048
2	20	HDR BIAS	4.9944	4.9937	-0.0007
3	20	HDR BIAS	4.9855	4.9848	-0.0007
4	20	HDR BIAS	4.9773	4.9767	-0.0006
5	20	HDR BIAS	4.9676	4.9622	-0.0054
6	20	HDR UNBIAS	4.977	4.9733	-0.0037
7	20	HDR UNBIAS	4.9824	4.9823	-0.0001
8	20	HDR UNBIAS	5.007	5.0019	-0.0051
9	20	HDR UNBIAS	4.9801	4.9765	-0.0036
10	20	HDR UNBIAS	4.9887	4.9849	-0.0038
11	30	HDR BIAS	4.9842	4.9796	-0.0046
12	30	HDR BIAS	5.0017	4.9986	-0.0031
13	30	HDR BIAS	5.0005	4.9974	-0.0031
14	30	HDR BIAS	5.0078	5.0091	0.0013
15	30	HDR BIAS	4.9879	4.9848	-0.0031
16	30	HDR UNBIAS	4.9875	4.9831	-0.0044
17	30	HDR UNBIAS	4.9882	4.9801	-0.0081
18	30	HDR UNBIAS	4.9869	4.9815	-0.0054
19	30	HDR UNBIAS	4.9769	4.9744	-0.0025
20	30	HDR UNBIAS	4.9775	4.9754	-0.0021
21	50	HDR BIAS	5.0051	4.9983	-0.0068
22	50	HDR BIAS	4.994	4.995	0.001
23	50	HDR BIAS	5.0081	4.9991	-0.009
24	50	HDR BIAS	4.9783	4.9719	-0.0064
25	50	HDR BIAS	4.9744	4.9715	-0.0029
26	50	HDR UNBIAS	4.9795	4.9711	-0.0084
27	50	HDR UNBIAS	5.0055	4.9963	-0.0092
28	50	HDR UNBIAS	4.9733	4.9637	-0.0096
29	50	HDR UNBIAS	4.9795	4.967	-0.0125
30	50	HDR UNBIAS	4.9714	4.9776	0.0062
41	0	CORRELATION	4.9798	4.9802	0.0004
42	0	CORRELATION	5.0031	5.0038	0.0007
43	0	CORRELATION	4.9876	4.9879	0.0003
45	0	CORRELATION	4.9695	4.9702	0.0007

Test Statistics (V)

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	4.9695	4.985	5.0031	0.014162	4.9702	4.9855	5.0038	0.014175	0.0003	0.000525	0.0007	0.00020616
20	4.9676	4.9847	5.007	0.010777	4.9622	4.9828	5.0019	0.011359	-0.0054	-0.00189	0.0048	0.0030719
30	4.9769	4.9899	5.0078	0.010268	4.9744	4.9864	5.0091	0.011419	-0.0081	-0.00351	0.0013	0.0024329
50	4.9714	4.9869	5.0081	0.014689	4.9637	4.9812	4.9991	0.014278	-0.0125	-0.00576	0.0062	0.0056557

Device Test: 16.2 LEVEL|OUT/BP5L/12/10////@V_BP5L





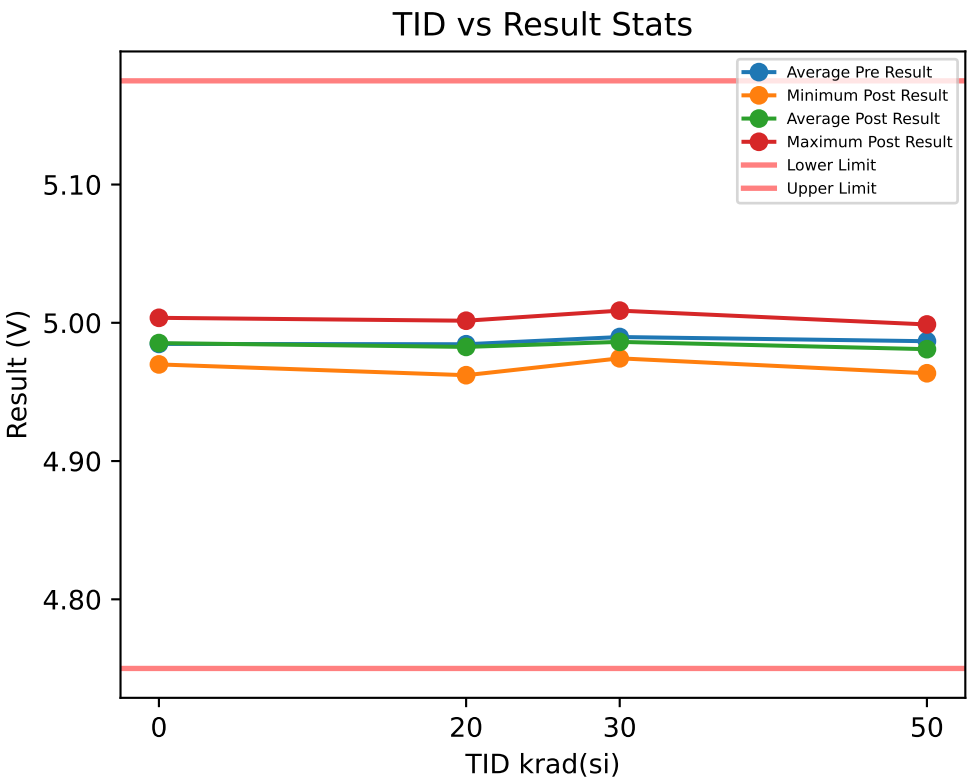
Test Results (Lower Limit = 4.75, Upper Limit = 5.175 (V))

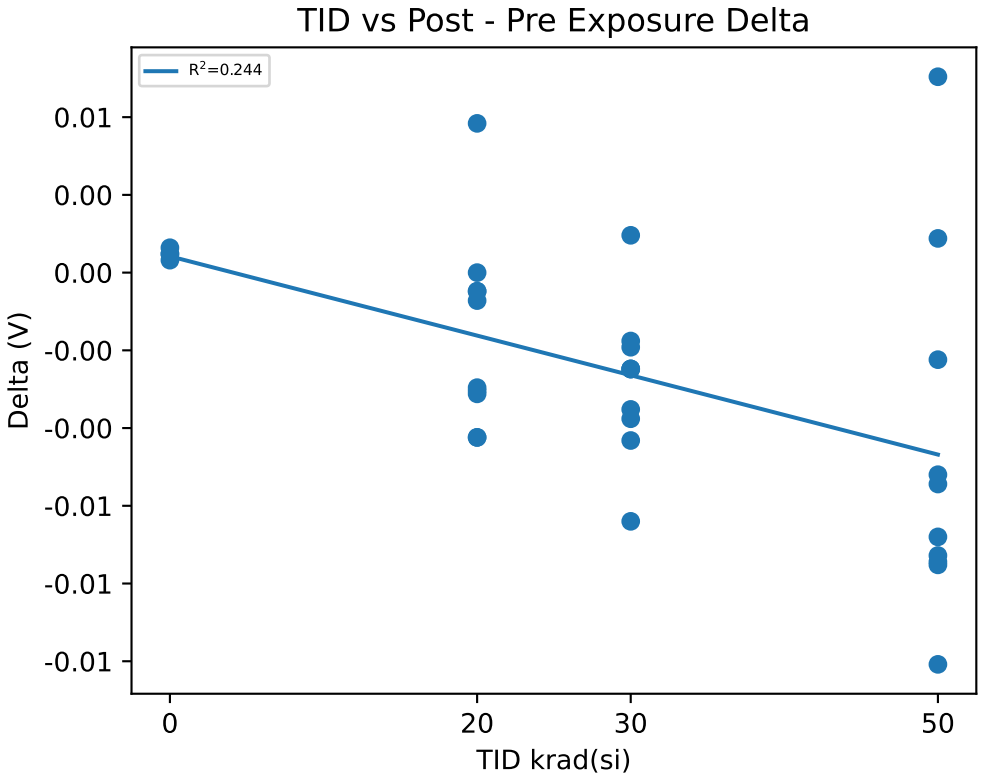
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	20	HDR BIAS	4.9868	4.9914	0.0046
2	20	HDR BIAS	4.9944	4.9936	-0.0008
3	20	HDR BIAS	4.9853	4.9846	-0.0007
4	20	HDR BIAS	4.9773	4.9766	-0.0007
5	20	HDR BIAS	4.9675	4.9621	-0.0054
6	20	HDR UNBIAS	4.977	4.9731	-0.0039
7	20	HDR UNBIAS	4.9824	4.9822	-0.0002
8	20	HDR UNBIAS	5.0069	5.0017	-0.0052
9	20	HDR UNBIAS	4.98	4.9764	-0.0036
10	20	HDR UNBIAS	4.9886	4.9847	-0.0039
11	30	HDR BIAS	4.9841	4.9794	-0.0047
12	30	HDR BIAS	5.0016	4.9985	-0.0031
13	30	HDR BIAS	5.0003	4.9972	-0.0031
14	30	HDR BIAS	5.0077	5.0089	0.0012
15	30	HDR BIAS	4.9878	4.9846	-0.0032
16	30	HDR UNBIAS	4.9874	4.9831	-0.0043
17	30	HDR UNBIAS	4.9882	4.98	-0.0082
18	30	HDR UNBIAS	4.9868	4.9814	-0.0054
19	30	HDR UNBIAS	4.9767	4.9744	-0.0023
20	30	HDR UNBIAS	4.9774	4.9752	-0.0022
21	50	HDR BIAS	5.005	4.9982	-0.0068
22	50	HDR BIAS	4.9939	4.995	0.0011
23	50	HDR BIAS	5.008	4.9989	-0.0091
24	50	HDR BIAS	4.9783	4.9719	-0.0064
25	50	HDR BIAS	4.9743	4.9713	-0.003
26	50	HDR UNBIAS	4.9794	4.9711	-0.0083
27	50	HDR UNBIAS	5.0054	4.9961	-0.0093
28	50	HDR UNBIAS	4.9731	4.9636	-0.0095
29	50	HDR UNBIAS	4.9794	4.9668	-0.0126
30	50	HDR UNBIAS	4.9712	4.9774	0.0062
41	0	CORRELATION	4.9797	4.9801	0.0004
42	0	CORRELATION	5.003	5.0036	0.0006
43	0	CORRELATION	4.9875	4.9878	0.0003
45	0	CORRELATION	4.9695	4.97	0.0005

Test Statistics (V)

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	4.9695	4.9849	5.003	0.014125	4.97	4.9854	5.0036	0.014169	0.0003	0.00045	0.0006	0.0001291
20	4.9675	4.9846	5.0069	0.010771	4.9621	4.9826	5.0017	0.011337	-0.0054	-0.00198	0.0046	0.0030404
30	4.9767	4.9898	5.0077	0.010269	4.9744	4.9863	5.0089	0.01139	-0.0082	-0.00353	0.0012	0.0024359
50	4.9712	4.9868	5.008	0.014705	4.9636	4.981	4.9989	0.014269	-0.0126	-0.00577	0.0062	0.0056776

Device Test: 16.3 LEVEL|OUT/BP5L/14/14////@V_BP5L





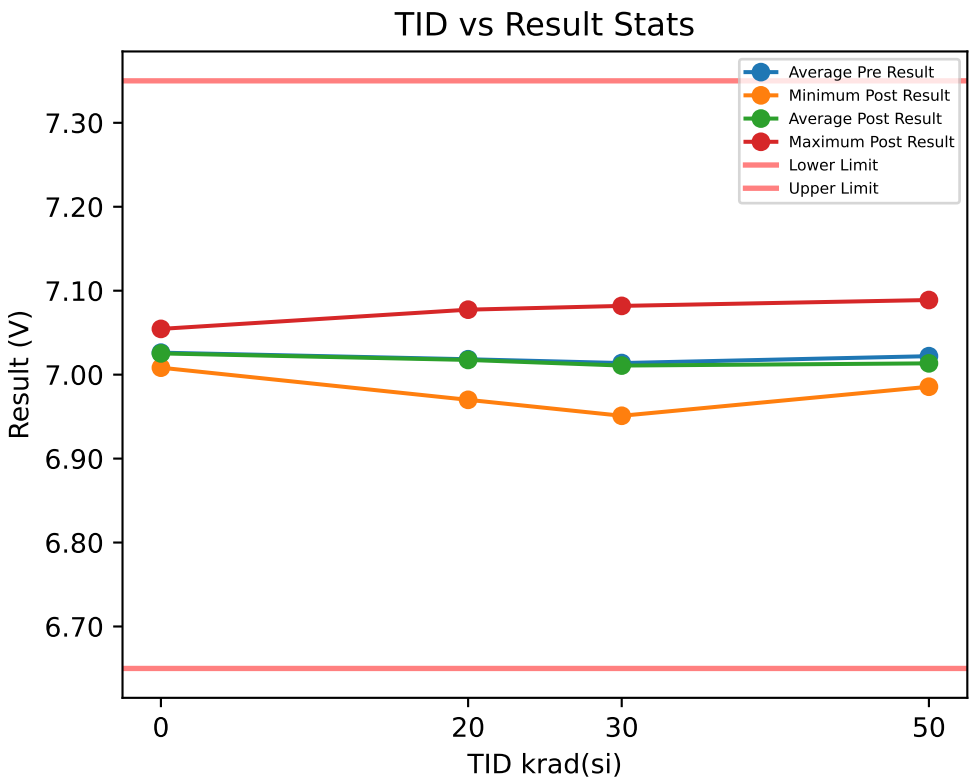
Test Results (Lower Limit = 4.75, Upper Limit = 5.175 (V))

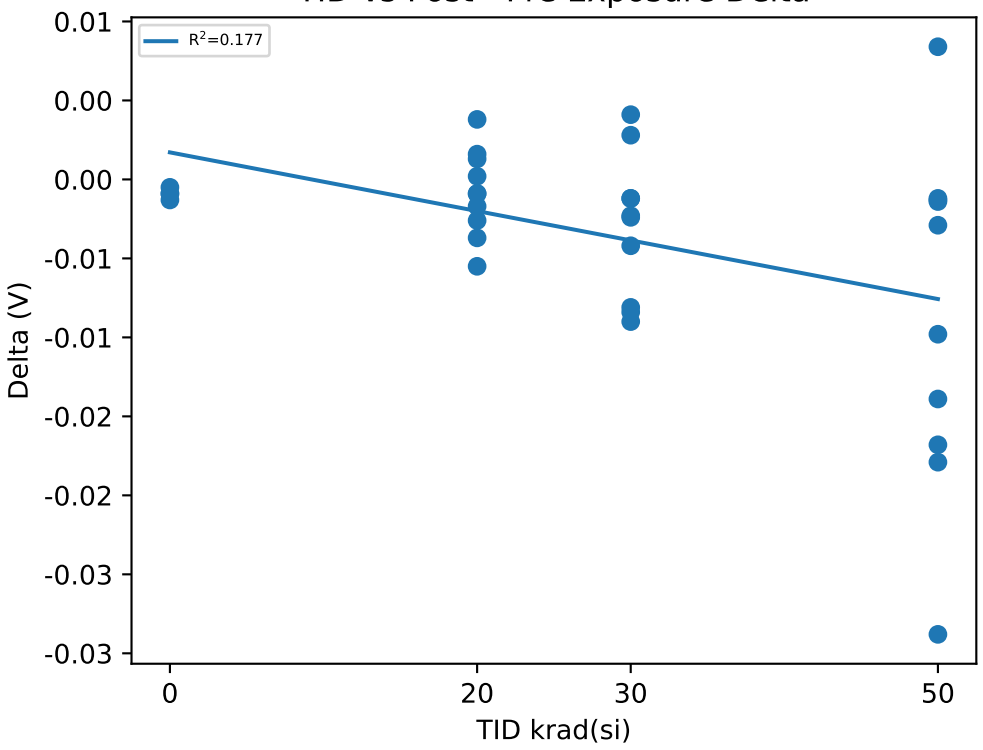
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	20	HDR BIAS	4.9866	4.9914	0.0048
2	20	HDR BIAS	4.9943	4.9934	-0.0009
3	20	HDR BIAS	4.9852	4.9846	-0.0006
4	20	HDR BIAS	4.9771	4.9765	-0.0006
5	20	HDR BIAS	4.9674	4.9621	-0.0053
6	20	HDR UNBIAS	4.9769	4.973	-0.0039
7	20	HDR UNBIAS	4.9822	4.9822	0
8	20	HDR UNBIAS	5.0068	5.0015	-0.0053
9	20	HDR UNBIAS	4.9799	4.9762	-0.0037
10	20	HDR UNBIAS	4.9885	4.9847	-0.0038
11	30	HDR BIAS	4.9841	4.9794	-0.0047
12	30	HDR BIAS	5.0015	4.9984	-0.0031
13	30	HDR BIAS	5.0003	4.9972	-0.0031
14	30	HDR BIAS	5.0076	5.0088	0.0012
15	30	HDR BIAS	4.9876	4.9845	-0.0031
16	30	HDR UNBIAS	4.9874	4.983	-0.0044
17	30	HDR UNBIAS	4.988	4.98	-0.008
18	30	HDR UNBIAS	4.9866	4.9812	-0.0054
19	30	HDR UNBIAS	4.9767	4.9743	-0.0024
20	30	HDR UNBIAS	4.9774	4.9752	-0.0022
21	50	HDR BIAS	5.0048	4.998	-0.0068
22	50	HDR BIAS	4.9938	4.9949	0.0011
23	50	HDR BIAS	5.0079	4.9988	-0.0091
24	50	HDR BIAS	4.9782	4.9717	-0.0065
25	50	HDR BIAS	4.9742	4.9714	-0.0028
26	50	HDR UNBIAS	4.9793	4.9708	-0.0085
27	50	HDR UNBIAS	5.0053	4.996	-0.0093
28	50	HDR UNBIAS	4.9729	4.9635	-0.0094
29	50	HDR UNBIAS	4.9793	4.9667	-0.0126
30	50	HDR UNBIAS	4.9711	4.9774	0.0063
41	0	CORRELATION	4.9795	4.9801	0.0006
42	0	CORRELATION	5.0028	5.0036	0.0008
43	0	CORRELATION	4.9873	4.9877	0.0004
45	0	CORRELATION	4.9693	4.9699	0.0006

Test Statistics (V)

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	4.9693	4.9847	5.0028	0.014125	4.9699	4.9853	5.0036	0.014199	0.0004	0.0006	0.0008	0.0001633
20	4.9674	4.9845	5.0068	0.010779	4.9621	4.9826	5.0015	0.011306	-0.0053	-0.00193	0.0048	0.0031063
30	4.9767	4.9897	5.0076	0.010252	4.9743	4.9862	5.0088	0.011382	-0.008	-0.00352	0.0012	0.0023939
50	4.9711	4.9867	5.0079	0.014702	4.9635	4.9809	4.9988	0.014261	-0.0126	-0.00576	0.0063	0.0057167

Device Test: 16.4 LEVEL|OUT/BP7L/10/8////@V_BP7L





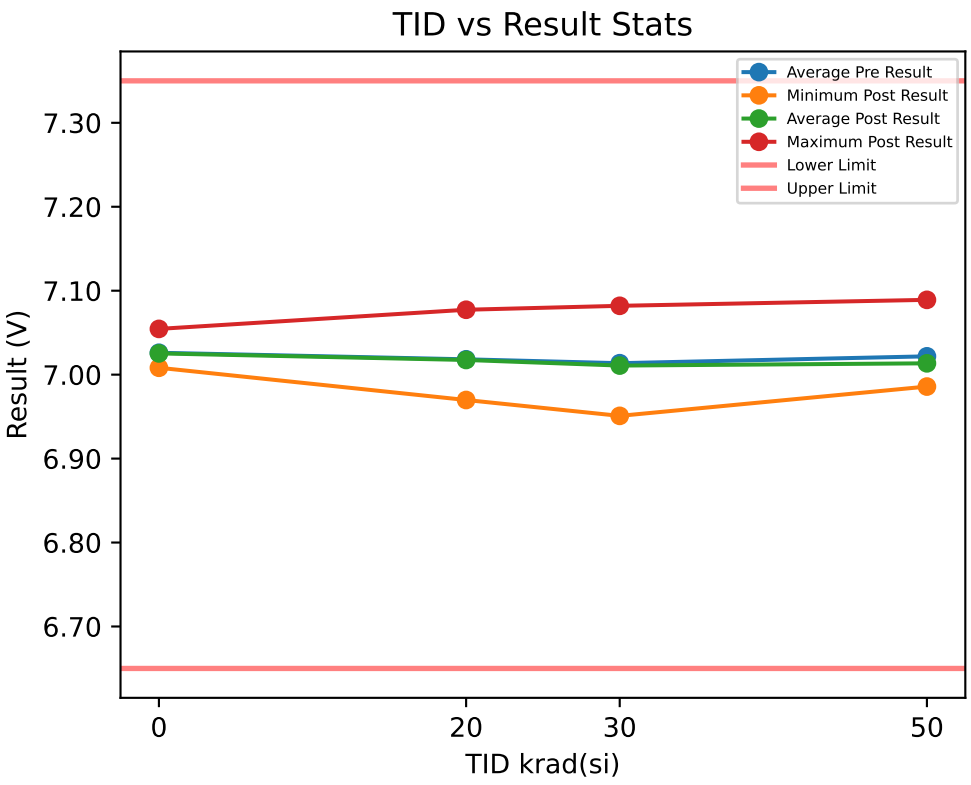
Test Results (Lower Limit = 6.65, Upper Limit = 7.35 (V))

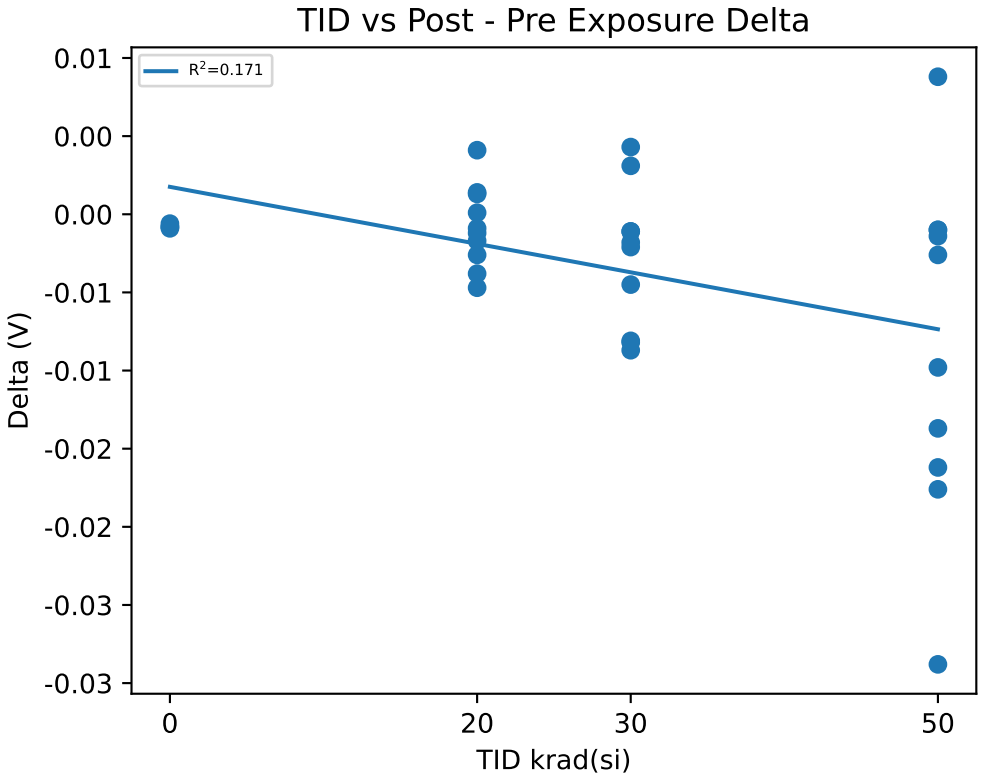
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	20	HDR BIAS	6.9966	6.994	-0.0026
2	20	HDR BIAS	7.0758	7.0774	0.0016
3	20	HDR BIAS	7.0202	7.0165	-0.0037
4	20	HDR BIAS	7.0059	7.0042	-0.0017
5	20	HDR BIAS	7.0089	7.0034	-0.0055
6	20	HDR UNBIAS	7.0437	7.045	0.0013
7	20	HDR UNBIAS	7.013	7.0168	0.0038
8	20	HDR UNBIAS	7.0303	7.0305	0.0002
9	20	HDR UNBIAS	6.9709	6.97	-0.0009
10	20	HDR UNBIAS	7.0183	7.0174	-0.0009
11	30	HDR BIAS	7.0314	7.029	-0.0024
12	30	HDR BIAS	7.0474	7.0432	-0.0042
13	30	HDR BIAS	7.0041	6.996	-0.0081
14	30	HDR BIAS	6.9986	6.9974	-0.0012
15	30	HDR BIAS	6.9594	6.951	-0.0084
16	30	HDR UNBIAS	7.0285	7.0313	0.0028
17	30	HDR UNBIAS	6.9827	6.9737	-0.009
18	30	HDR UNBIAS	7.0055	7.0043	-0.0012
19	30	HDR UNBIAS	7.0842	7.0819	-0.0023
20	30	HDR UNBIAS	6.9963	7.0004	0.0041
21	50	HDR BIAS	7.0024	6.9856	-0.0168
22	50	HDR BIAS	7.0805	7.0889	0.0084
23	50	HDR BIAS	7.0173	6.9994	-0.0179
24	50	HDR BIAS	7.0262	6.9974	-0.0288
25	50	HDR BIAS	7.03	7.0271	-0.0029
26	50	HDR UNBIAS	7.0273	7.0259	-0.0014
27	50	HDR UNBIAS	6.9943	6.993	-0.0013
28	50	HDR UNBIAS	7.0015	7.0003	-0.0012
29	50	HDR UNBIAS	7.0172	7.0033	-0.0139
30	50	HDR UNBIAS	7.0234	7.0136	-0.0098
41	0	CORRELATION	7.0554	7.0545	-0.0009
42	0	CORRELATION	7.0285	7.0272	-0.0013
43	0	CORRELATION	7.0117	7.0112	-0.0005
45	0	CORRELATION	7.0092	7.0083	-0.0009

Test Statistics (V)

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	7.0092	7.0262	7.0554	0.02127	7.0083	7.0253	7.0545	0.021166	-0.0013	-0.0009	-0.0005	0.0003266
20	6.9709	7.0184	7.0758	0.028061	6.97	7.0175	7.0774	0.029248	-0.0055	-0.00084	0.0038	0.0027261
30	6.9594	7.0138	7.0842	0.035336	6.951	7.0108	7.0819	0.037055	-0.009	-0.00299	0.0041	0.0045214
50	6.9943	7.022	7.0805	0.023923	6.9856	7.0135	7.0889	0.029737	-0.0288	-0.00856	0.0084	0.010917

Device Test: 16.5 LEVEL|OUT/BP7L/12/10////@V_BP7L





Test Results (Lower Limit = 6.65, Upper Limit = 7.35 (V))

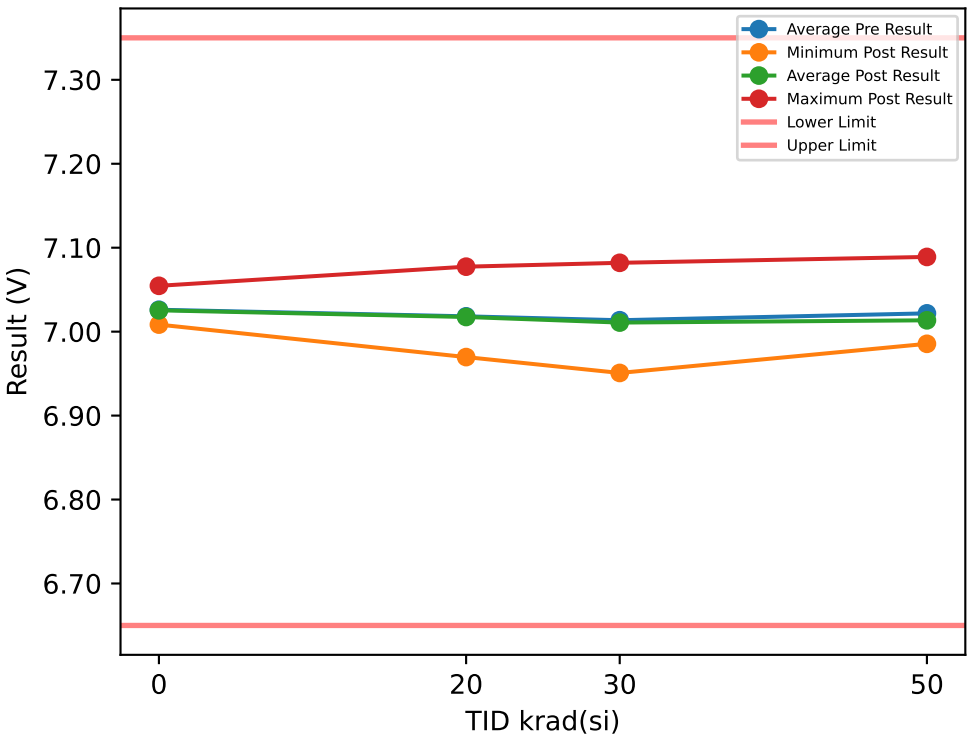
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	20	HDR BIAS	6.9967	6.9941	-0.0026
2	20	HDR BIAS	7.0759	7.0773	0.0014
3	20	HDR BIAS	7.02	7.0162	-0.0038
4	20	HDR BIAS	7.0059	7.0042	-0.0017
5	20	HDR BIAS	7.0085	7.0038	-0.0047
6	20	HDR UNBIAS	7.0437	7.045	0.0013
7	20	HDR UNBIAS	7.0126	7.0167	0.0041
8	20	HDR UNBIAS	7.0304	7.0305	0.0001
9	20	HDR UNBIAS	6.9707	6.9698	-0.0009
10	20	HDR UNBIAS	7.0184	7.0172	-0.0012
11	30	HDR BIAS	7.0311	7.029	-0.0021
12	30	HDR BIAS	7.0475	7.043	-0.0045
13	30	HDR BIAS	7.0039	6.9958	-0.0081
14	30	HDR BIAS	6.9986	6.9975	-0.0011
15	30	HDR BIAS	6.9591	6.9509	-0.0082
16	30	HDR UNBIAS	7.0284	7.0315	0.0031
17	30	HDR UNBIAS	6.9824	6.9737	-0.0087
18	30	HDR UNBIAS	7.0054	7.0043	-0.0011
19	30	HDR UNBIAS	7.0838	7.082	-0.0018
20	30	HDR UNBIAS	6.9962	7.0005	0.0043
21	50	HDR BIAS	7.002	6.9858	-0.0162
22	50	HDR BIAS	7.0803	7.0891	0.0088
23	50	HDR BIAS	7.0169	6.9993	-0.0176
24	50	HDR BIAS	7.0264	6.9976	-0.0288
25	50	HDR BIAS	7.0298	7.0272	-0.0026
26	50	HDR UNBIAS	7.0272	7.0258	-0.0014
27	50	HDR UNBIAS	6.9939	6.9929	-0.001
28	50	HDR UNBIAS	7.0013	7.0003	-0.001
29	50	HDR UNBIAS	7.017	7.0033	-0.0137
30	50	HDR UNBIAS	7.0234	7.0136	-0.0098
41	0	CORRELATION	7.0553	7.0545	-0.0008
42	0	CORRELATION	7.0283	7.0274	-0.0009
43	0	CORRELATION	7.0117	7.0111	-0.0006
45	0	CORRELATION	7.009	7.0082	-0.0008

Test Statistics (V)

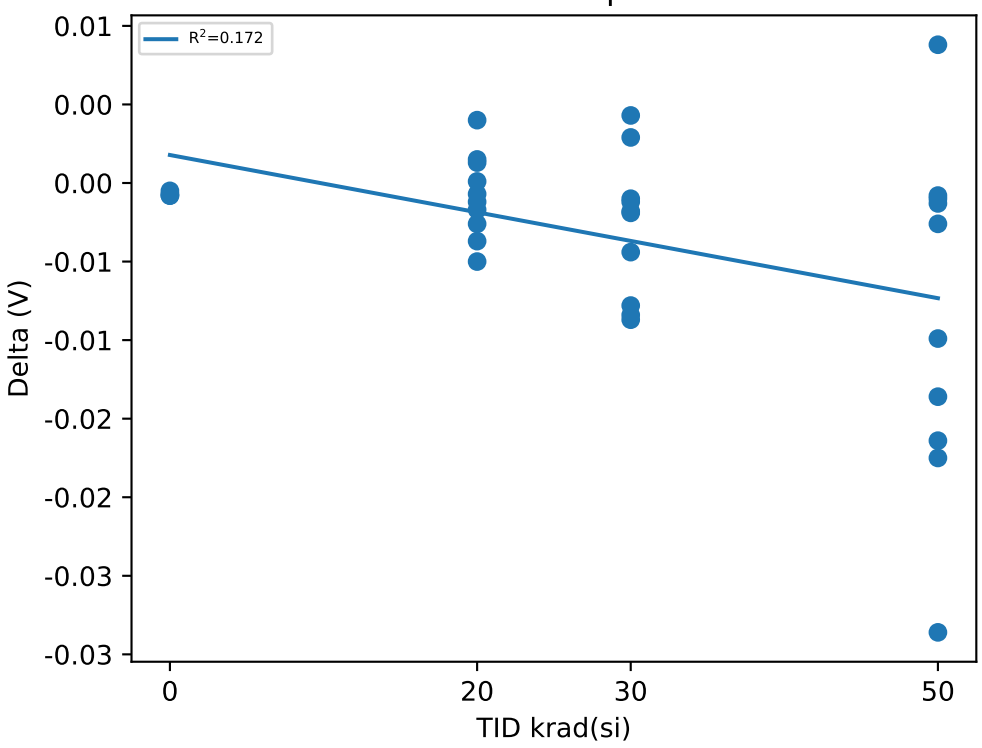
krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	7.009	7.0261	7.0553	0.02127	7.0082	7.0253	7.0545	0.021222	-0.0009	-0.000775	-0.0006	0.00012583
20	6.9707	7.0183	7.0759	0.02814	6.9698	7.0175	7.0773	0.029233	-0.0047	-0.0008	0.0041	0.0026352
30	6.9591	7.0136	7.0838	0.035332	6.9509	7.0108	7.082	0.037089	-0.0087	-0.00282	0.0043	0.0045636
50	6.9939	7.0218	7.0803	0.023984	6.9858	7.0135	7.0891	0.029775	-0.0288	-0.00833	0.0088	0.010953

Device Test: 16.6 LEVEL|OUT/BP7L/14/14////@V_BP7L

TID vs Result Stats



TID vs Post - Pre Exposure Delta



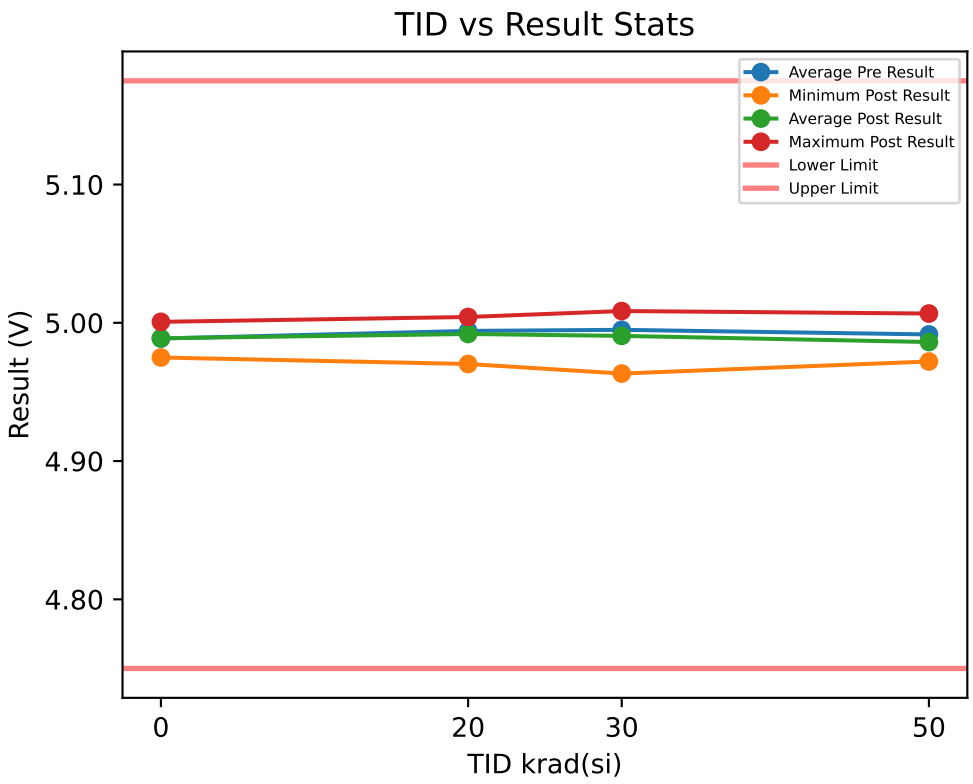
Test Results (Lower Limit = 6.65, Upper Limit = 7.35 (V))

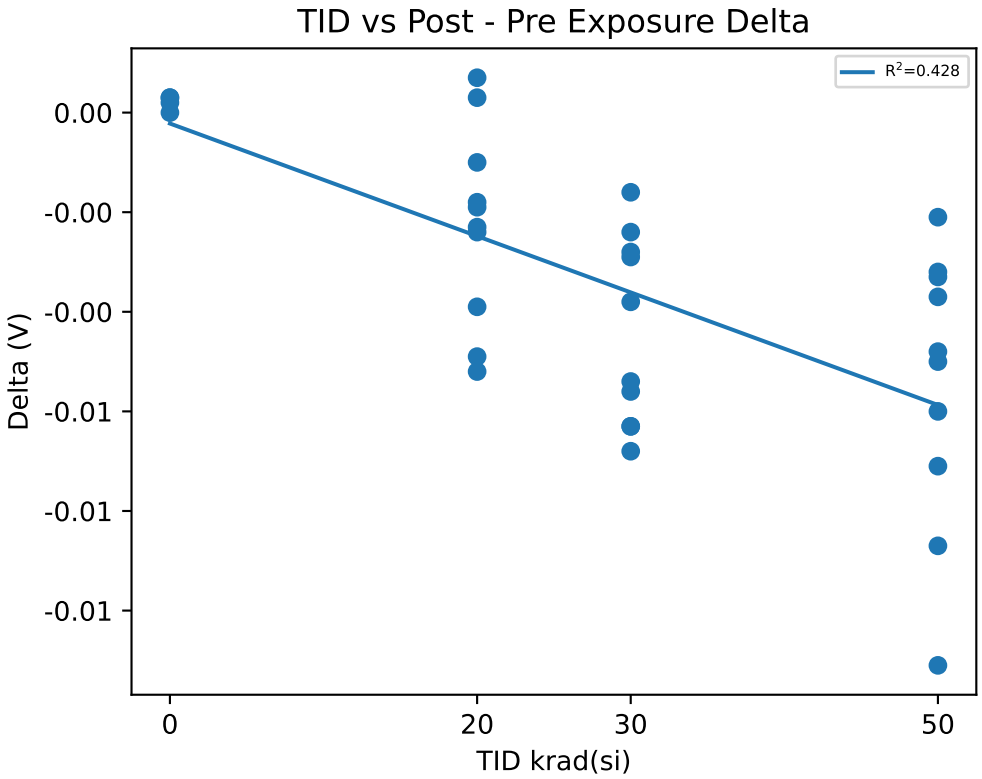
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	20	HDR BIAS	6.9966	6.994	-0.0026
2	20	HDR BIAS	7.0759	7.0774	0.0015
3	20	HDR BIAS	7.02	7.0163	-0.0037
4	20	HDR BIAS	7.0059	7.0042	-0.0017
5	20	HDR BIAS	7.0086	7.0036	-0.005
6	20	HDR UNBIAS	7.0437	7.045	0.0013
7	20	HDR UNBIAS	7.0127	7.0167	0.004
8	20	HDR UNBIAS	7.0304	7.0305	0.0001
9	20	HDR UNBIAS	6.9704	6.9697	-0.0007
10	20	HDR UNBIAS	7.0184	7.0172	-0.0012
11	30	HDR BIAS	7.0309	7.029	-0.0019
12	30	HDR BIAS	7.0475	7.0431	-0.0044
13	30	HDR BIAS	7.0039	6.9961	-0.0078
14	30	HDR BIAS	6.9985	6.9975	-0.001
15	30	HDR BIAS	6.9592	6.9508	-0.0084
16	30	HDR UNBIAS	7.0284	7.0313	0.0029
17	30	HDR UNBIAS	6.9824	6.9737	-0.0087
18	30	HDR UNBIAS	7.0054	7.0042	-0.0012
19	30	HDR UNBIAS	7.0838	7.082	-0.0018
20	30	HDR UNBIAS	6.9961	7.0004	0.0043
21	50	HDR BIAS	7.0019	6.9855	-0.0164
22	50	HDR BIAS	7.0802	7.089	0.0088
23	50	HDR BIAS	7.017	6.9995	-0.0175
24	50	HDR BIAS	7.0262	6.9976	-0.0286
25	50	HDR BIAS	7.0298	7.0272	-0.0026
26	50	HDR UNBIAS	7.0272	7.0259	-0.0013
27	50	HDR UNBIAS	6.9938	6.993	-0.0008
28	50	HDR UNBIAS	7.0014	7.0004	-0.001
29	50	HDR UNBIAS	7.0169	7.0033	-0.0136
30	50	HDR UNBIAS	7.0235	7.0136	-0.0099
41	0	CORRELATION	7.0554	7.0546	-0.0008
42	0	CORRELATION	7.0283	7.0275	-0.0008
43	0	CORRELATION	7.0116	7.0111	-0.0005
45	0	CORRELATION	7.0091	7.0084	-0.0007

Test Statistics (V)

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	7.0091	7.0261	7.0554	0.021312	7.0084	7.0254	7.0546	0.021217	-0.0008	-0.0007	-0.0005	0.00014142
20	6.9704	7.0183	7.0759	0.028199	6.9697	7.0175	7.0774	0.029293	-0.005	-0.0008	0.004	0.0026629
30	6.9592	7.0136	7.0838	0.035314	6.9508	7.0108	7.082	0.037096	-0.0087	-0.0028	0.0043	0.0045245
50	6.9938	7.0218	7.0802	0.023966	6.9855	7.0135	7.089	0.029759	-0.0286	-0.00829	0.0088	0.010936

Device Test: 16.7 LEVEL|OUT/BP5H/10/8////@V_BP5H





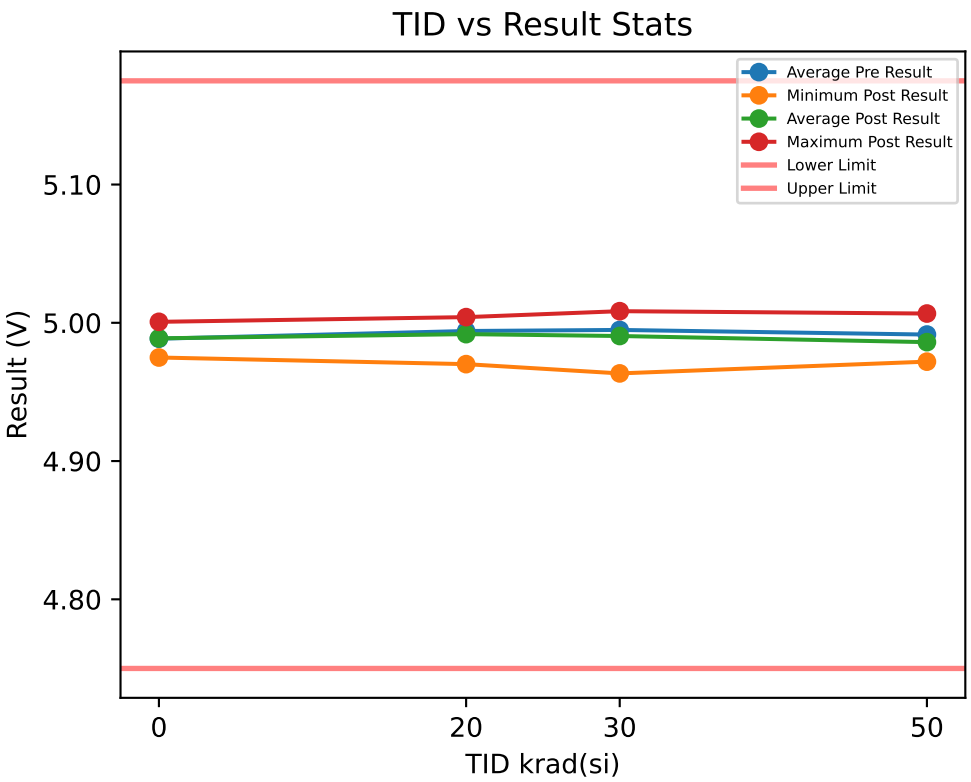
Test Results (Lower Limit = 4.75, Upper Limit = 5.175 (V))

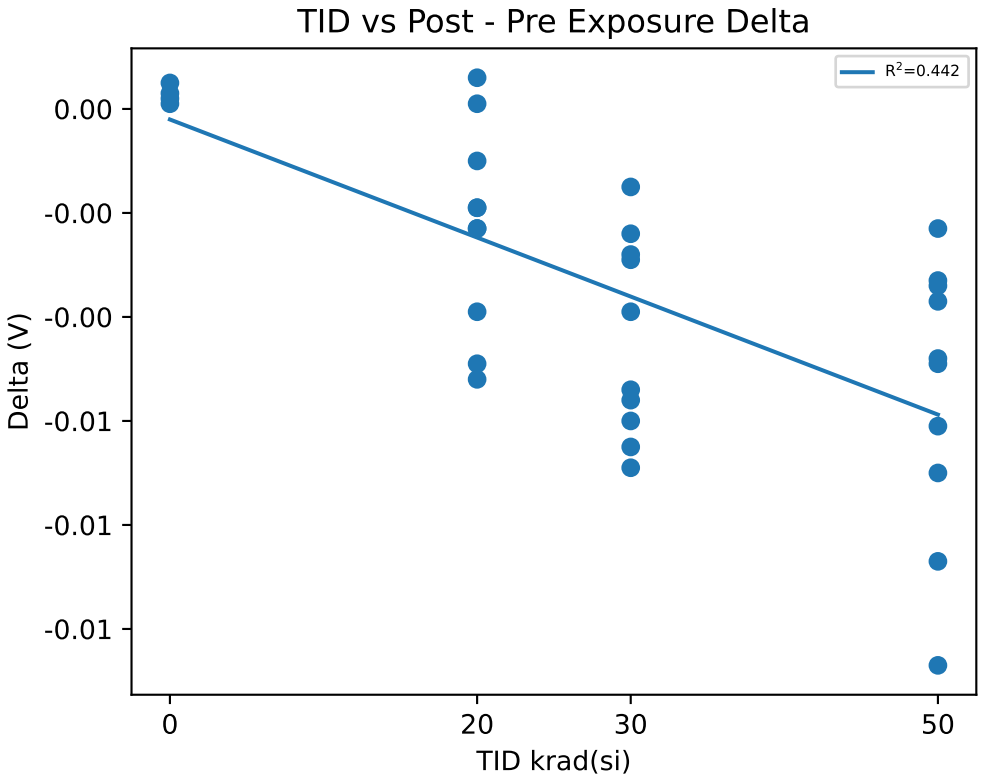
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	20	HDR BIAS	4.9996	4.9957	-0.0039
2	20	HDR BIAS	4.9806	4.9796	-0.001
3	20	HDR BIAS	4.9721	4.9702	-0.0019
4	20	HDR BIAS	5.0014	4.999	-0.0024
5	20	HDR BIAS	4.995	4.9957	0.0007
6	20	HDR UNBIAS	4.9853	4.9835	-0.0018
7	20	HDR UNBIAS	5.0094	5.0042	-0.0052
8	20	HDR UNBIAS	4.9994	4.9945	-0.0049
9	20	HDR UNBIAS	5.0027	5.0004	-0.0023
10	20	HDR UNBIAS	4.9959	4.9962	0.0003
11	30	HDR BIAS	4.9945	4.9891	-0.0054
12	30	HDR BIAS	5.008	5.0064	-0.0016
13	30	HDR BIAS	5.0009	4.9941	-0.0068
14	30	HDR BIAS	5.0109	5.0085	-0.0024
15	30	HDR BIAS	5.0064	5.0008	-0.0056
16	30	HDR UNBIAS	5.0045	5.0016	-0.0029
17	30	HDR UNBIAS	4.9741	4.9678	-0.0063
18	30	HDR UNBIAS	4.9765	4.9737	-0.0028
19	30	HDR UNBIAS	5.0038	5	-0.0038
20	30	HDR UNBIAS	4.9696	4.9633	-0.0063
21	50	HDR BIAS	4.9826	4.9794	-0.0032
22	50	HDR BIAS	5.0117	5.0067	-0.005
23	50	HDR BIAS	4.9967	4.9919	-0.0048
24	50	HDR BIAS	4.9978	4.9867	-0.0111
25	50	HDR BIAS	5.0041	4.9954	-0.0087
26	50	HDR UNBIAS	4.9791	4.972	-0.0071
27	50	HDR UNBIAS	4.9864	4.9831	-0.0033
28	50	HDR UNBIAS	4.9994	4.9957	-0.0037
29	50	HDR UNBIAS	4.9827	4.9767	-0.006
30	50	HDR UNBIAS	4.9754	4.9733	-0.0021
41	0	CORRELATION	4.9746	4.9749	0.0003
42	0	CORRELATION	5.0007	5.0007	0
43	0	CORRELATION	4.9832	4.9835	0.0003
45	0	CORRELATION	4.996	4.9962	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	4.9746	4.9886	5.0007	0.011921	4.9749	4.9888	5.0007	0.011799	0	0.0002	0.0003	0.00014142
20	4.9721	4.9941	5.0094	0.011389	4.9702	4.9919	5.0042	0.01065	-0.0052	-0.00224	0.0007	0.0019879
30	4.9696	4.9949	5.0109	0.015559	4.9633	4.9905	5.0085	0.016495	-0.0068	-0.00439	-0.0016	0.0018982
50	4.9754	4.9916	5.0117	0.011979	4.972	4.9861	5.0067	0.011264	-0.0111	-0.0055	-0.0021	0.0027905

Device Test: 16.8 LEVEL|OUT/BP5H/12/10////@V_BP5H





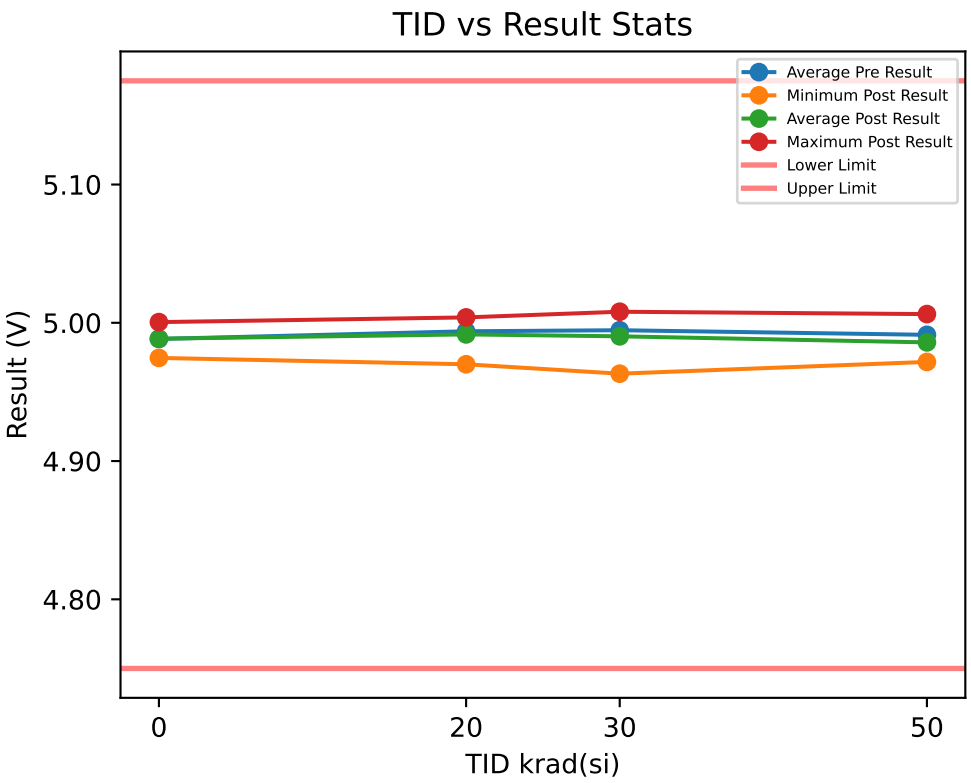
Test Results (Lower Limit = 4.75, Upper Limit = 5.175 (V))

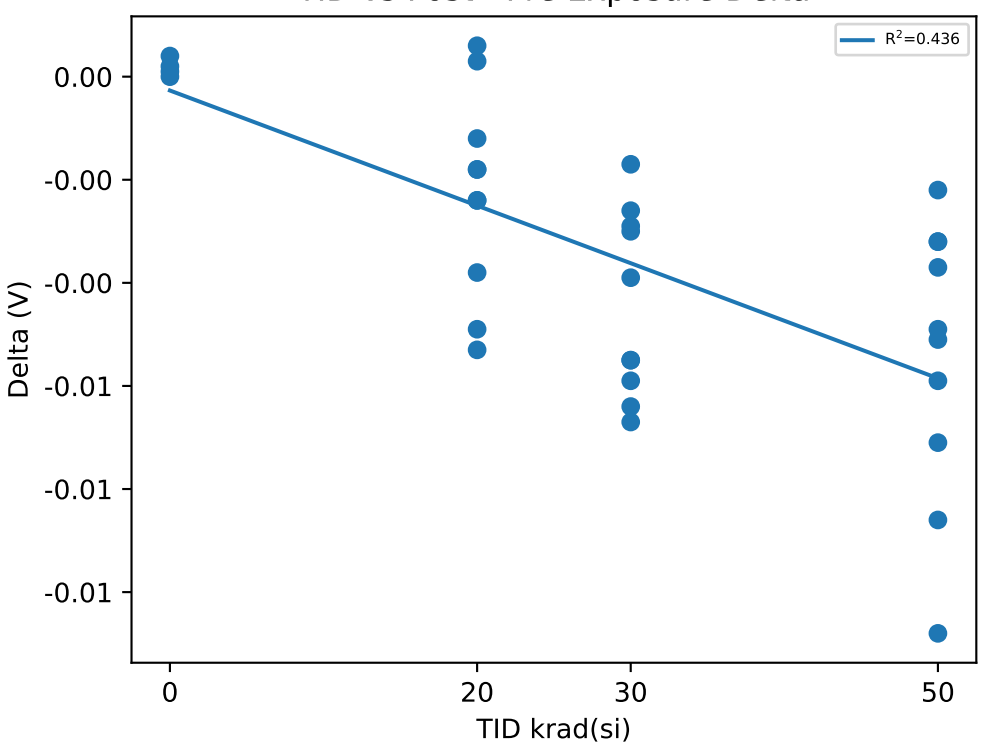
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	20	HDR BIAS	4.9995	4.9956	-0.0039
2	20	HDR BIAS	4.9806	4.9796	-0.001
3	20	HDR BIAS	4.972	4.9701	-0.0019
4	20	HDR BIAS	5.0013	4.999	-0.0023
5	20	HDR BIAS	4.9949	4.9955	0.0006
6	20	HDR UNBIAS	4.9852	4.9833	-0.0019
7	20	HDR UNBIAS	5.0093	5.0041	-0.0052
8	20	HDR UNBIAS	4.9993	4.9944	-0.0049
9	20	HDR UNBIAS	5.0027	5.0004	-0.0023
10	20	HDR UNBIAS	4.9959	4.996	0.0001
11	30	HDR BIAS	4.9945	4.9891	-0.0054
12	30	HDR BIAS	5.0078	5.0063	-0.0015
13	30	HDR BIAS	5.0009	4.994	-0.0069
14	30	HDR BIAS	5.0108	5.0084	-0.0024
15	30	HDR BIAS	5.0063	5.0007	-0.0056
16	30	HDR UNBIAS	5.0044	5.0015	-0.0029
17	30	HDR UNBIAS	4.9741	4.9676	-0.0065
18	30	HDR UNBIAS	4.9764	4.9736	-0.0028
19	30	HDR UNBIAS	5.0038	4.9999	-0.0039
20	30	HDR UNBIAS	4.9694	4.9634	-0.006
21	50	HDR BIAS	4.9826	4.9793	-0.0033
22	50	HDR BIAS	5.0116	5.0067	-0.0049
23	50	HDR BIAS	4.9966	4.9918	-0.0048
24	50	HDR BIAS	4.9975	4.9868	-0.0107
25	50	HDR BIAS	5.004	4.9953	-0.0087
26	50	HDR UNBIAS	4.9789	4.9719	-0.007
27	50	HDR UNBIAS	4.9864	4.983	-0.0034
28	50	HDR UNBIAS	4.9994	4.9957	-0.0037
29	50	HDR UNBIAS	4.9827	4.9766	-0.0061
30	50	HDR UNBIAS	4.9753	4.973	-0.0023
41	0	CORRELATION	4.9744	4.9749	0.0005
42	0	CORRELATION	5.0006	5.0007	0.0001
43	0	CORRELATION	4.9831	4.9834	0.0003
45	0	CORRELATION	4.9959	4.9961	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	4.9744	4.9885	5.0006	0.01196	4.9749	4.9888	5.0007	0.011794	0.0001	0.000275	0.0005	0.00017078
20	4.972	4.9941	5.0093	0.011386	4.9701	4.9918	5.0041	0.010654	-0.0052	-0.00227	0.0006	0.0019408
30	4.9694	4.9948	5.0108	0.015563	4.9634	4.9905	5.0084	0.016472	-0.0069	-0.00439	-0.0015	0.0019186
50	4.9753	4.9915	5.0116	0.011965	4.9719	4.986	5.0067	0.011321	-0.0107	-0.00549	-0.0023	0.0026556

Device Test: 16.9 LEVEL|OUT/BP5H/14/14////@V_BP5H





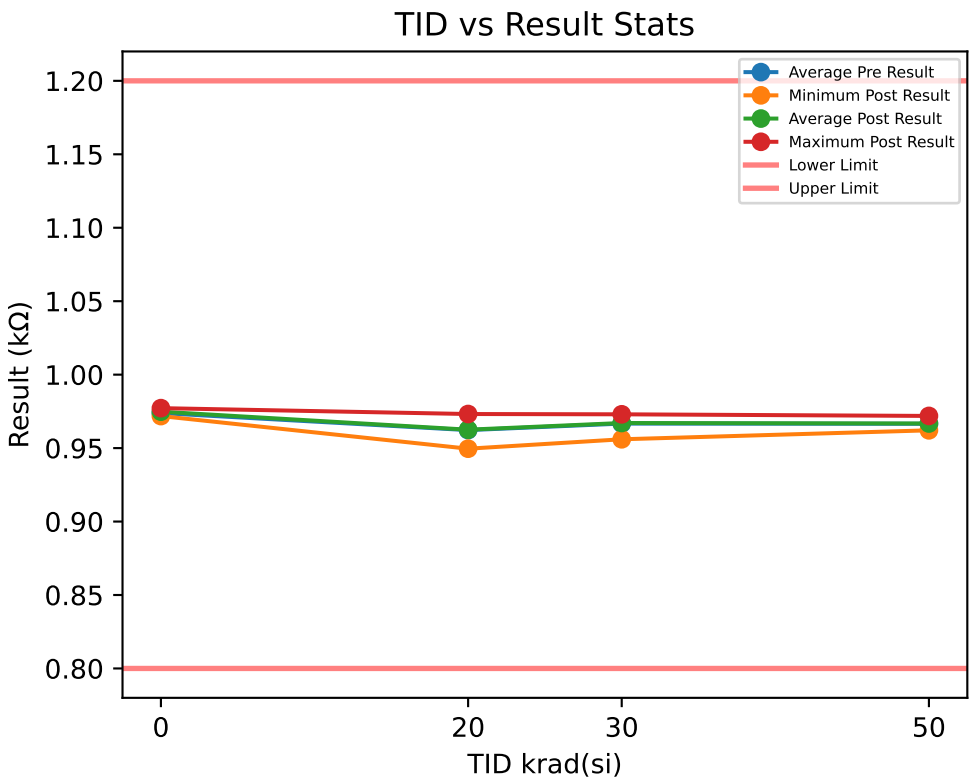
Test Results (Lower Limit = 4.75, Upper Limit = 5.175 (V))

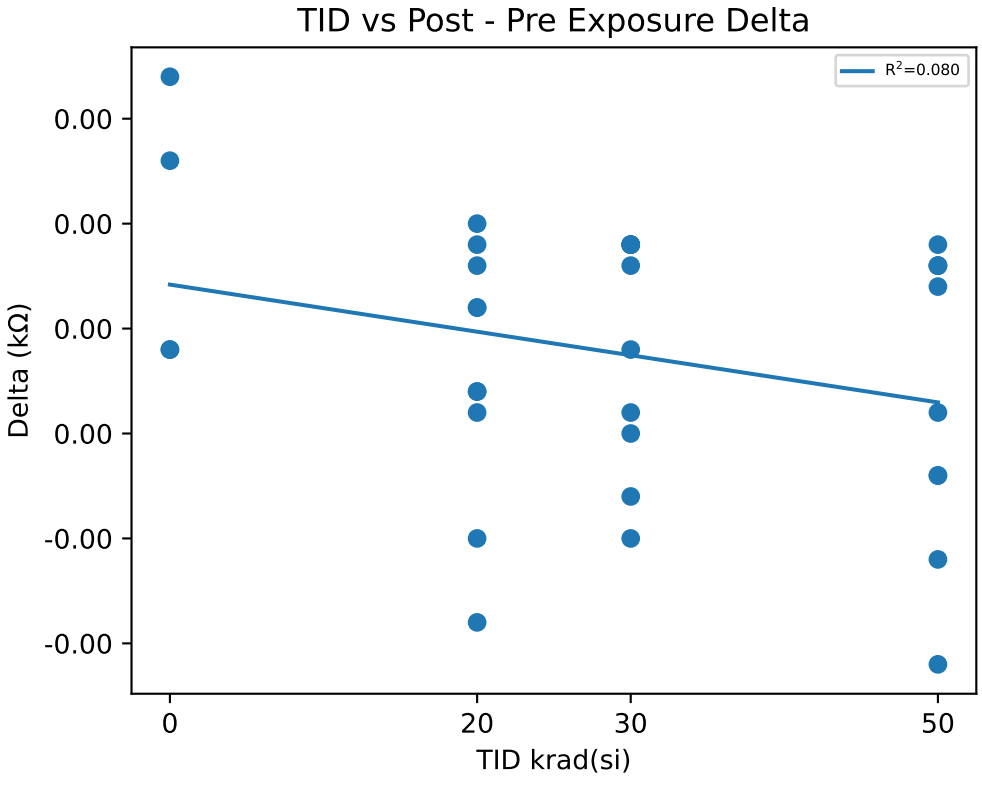
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	20	HDR BIAS	4.9993	4.9955	-0.0038
2	20	HDR BIAS	4.9804	4.9792	-0.0012
3	20	HDR BIAS	4.9718	4.97	-0.0018
4	20	HDR BIAS	5.0011	4.9987	-0.0024
5	20	HDR BIAS	4.9947	4.9953	0.0006
6	20	HDR UNBIAS	4.985	4.9832	-0.0018
7	20	HDR UNBIAS	5.0092	5.0039	-0.0053
8	20	HDR UNBIAS	4.9991	4.9942	-0.0049
9	20	HDR UNBIAS	5.0025	5.0001	-0.0024
10	20	HDR UNBIAS	4.9956	4.9959	0.0003
11	30	HDR BIAS	4.9943	4.9888	-0.0055
12	30	HDR BIAS	5.0078	5.0061	-0.0017
13	30	HDR BIAS	5.0006	4.9939	-0.0067
14	30	HDR BIAS	5.0106	5.008	-0.0026
15	30	HDR BIAS	5.0061	5.0006	-0.0055
16	30	HDR UNBIAS	5.0042	5.0012	-0.003
17	30	HDR UNBIAS	4.9739	4.9675	-0.0064
18	30	HDR UNBIAS	4.9762	4.9733	-0.0029
19	30	HDR UNBIAS	5.0035	4.9996	-0.0039
20	30	HDR UNBIAS	4.9691	4.9632	-0.0059
21	50	HDR BIAS	4.9823	4.9791	-0.0032
22	50	HDR BIAS	5.0114	5.0063	-0.0051
23	50	HDR BIAS	4.9965	4.9916	-0.0049
24	50	HDR BIAS	4.9974	4.9866	-0.0108
25	50	HDR BIAS	5.0039	4.9953	-0.0086
26	50	HDR UNBIAS	4.9788	4.9717	-0.0071
27	50	HDR UNBIAS	4.986	4.9828	-0.0032
28	50	HDR UNBIAS	4.9992	4.9955	-0.0037
29	50	HDR UNBIAS	4.9824	4.9765	-0.0059
30	50	HDR UNBIAS	4.9752	4.973	-0.0022
41	0	CORRELATION	4.9742	4.9746	0.0004
42	0	CORRELATION	5.0004	5.0005	0.0001
43	0	CORRELATION	4.9829	4.9831	0.0002
45	0	CORRELATION	4.9958	4.9958	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	4.9742	4.9883	5.0004	0.011981	4.9746	4.9885	5.0005	0.011827	0	0.000175	0.0004	0.00017078
20	4.9718	4.9939	5.0092	0.011399	4.97	4.9916	5.0039	0.01064	-0.0053	-0.00227	0.0006	0.0019692
30	4.9691	4.9946	5.0106	0.015589	4.9632	4.9902	5.008	0.016441	-0.0067	-0.00441	-0.0017	0.0017935
50	4.9752	4.9913	5.0114	0.011987	4.9717	4.9858	5.0063	0.011264	-0.0108	-0.00547	-0.0022	0.0027006

Device Test: 17.10 BST|RES/BST/10/8////@R_BST_SW_PARALLEL





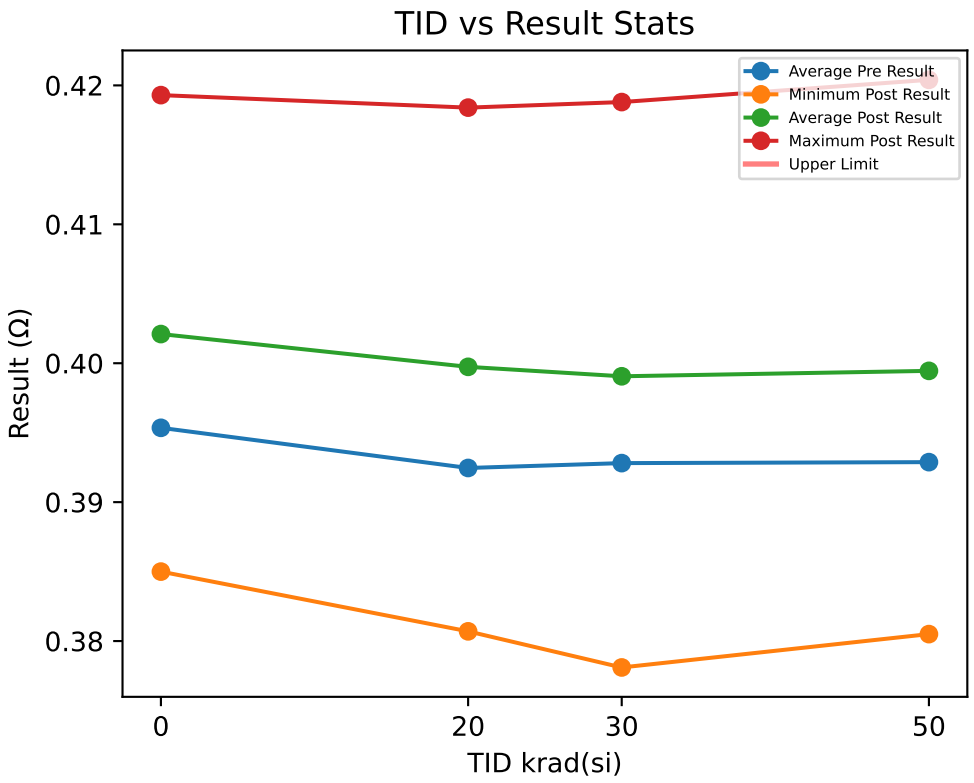
Test Results (Lower Limit = 0.8, Upper Limit = 1.2 (kΩ))

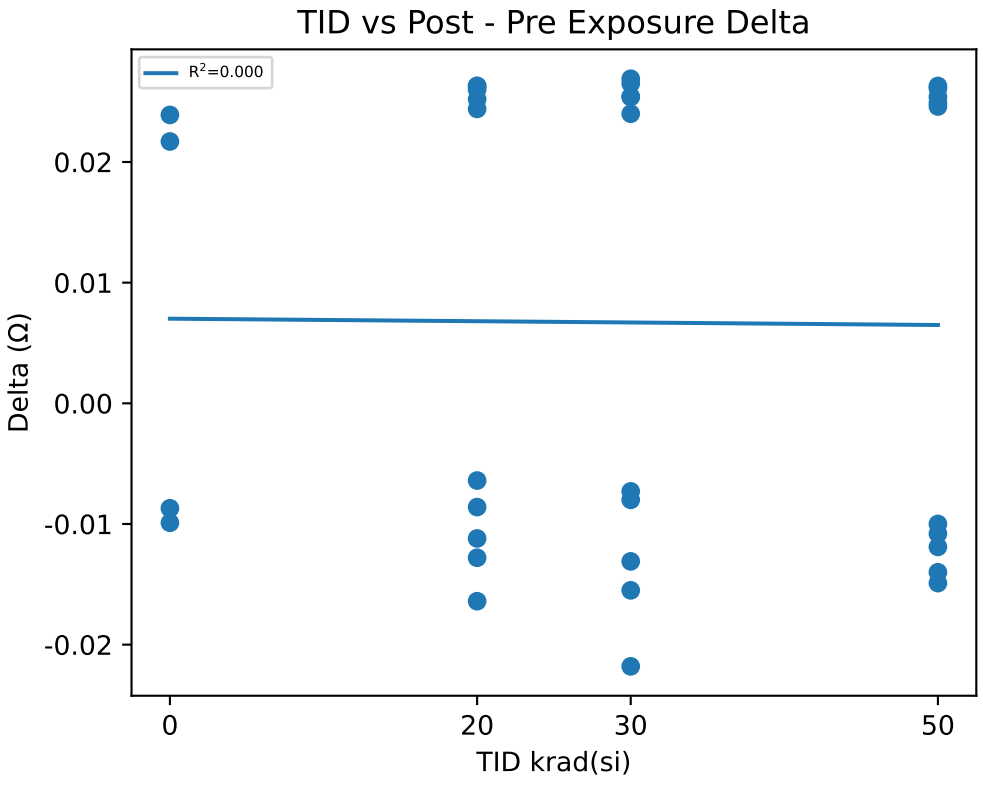
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	20	HDR BIAS	0.968	0.9686	0.0006
2	20	HDR BIAS	0.9669	0.9671	0.0002
3	20	HDR BIAS	0.9487	0.9496	0.0009
4	20	HDR BIAS	0.9519	0.9514	-0.0005
5	20	HDR BIAS	0.9645	0.9653	0.0008
6	20	HDR UNBIAS	0.9519	0.9521	0.0002
7	20	HDR UNBIAS	0.9726	0.9732	0.0006
8	20	HDR UNBIAS	0.9618	0.9619	0.0001
9	20	HDR UNBIAS	0.972	0.973	0.001
10	20	HDR UNBIAS	0.9641	0.9632	-0.0009
11	30	HDR BIAS	0.9684	0.9693	0.0009
12	30	HDR BIAS	0.956	0.956	0
13	30	HDR BIAS	0.9609	0.9618	0.0009
14	30	HDR BIAS	0.9682	0.9683	0.0001
15	30	HDR BIAS	0.9721	0.973	0.0009
16	30	HDR UNBIAS	0.9708	0.9705	-0.0003
17	30	HDR UNBIAS	0.968	0.9688	0.0008
18	30	HDR UNBIAS	0.9654	0.9649	-0.0005
19	30	HDR UNBIAS	0.9687	0.9696	0.0009
20	30	HDR UNBIAS	0.9683	0.9687	0.0004
21	50	HDR BIAS	0.966	0.9667	0.0007
22	50	HDR BIAS	0.9652	0.9646	-0.0006
23	50	HDR BIAS	0.9664	0.9672	0.0008
24	50	HDR BIAS	0.9661	0.9659	-0.0002
25	50	HDR BIAS	0.9687	0.9696	0.0009
26	50	HDR UNBIAS	0.9657	0.9646	-0.0011
27	50	HDR UNBIAS	0.9711	0.9719	0.0008
28	50	HDR UNBIAS	0.9682	0.968	-0.0002
29	50	HDR UNBIAS	0.9613	0.9621	0.0008
30	50	HDR UNBIAS	0.9668	0.9669	0.0001
41	0	CORRELATION	0.9759	0.9772	0.0013
42	0	CORRELATION	0.9714	0.9718	0.0004
43	0	CORRELATION	0.9717	0.9734	0.0017
45	0	CORRELATION	0.9764	0.9768	0.0004

Test Statistics (kΩ)

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	0.9714	0.97385	0.9764	0.0026665	0.9718	0.9748	0.9772	0.0026281	0.0004	0.00095	0.0017	0.00065574
20	0.9487	0.96224	0.9726	0.0085855	0.9496	0.96254	0.9732	0.0087532	-0.0009	0.0003	0.001	0.00061644
30	0.956	0.96668	0.9721	0.004821	0.956	0.96709	0.973	0.0049496	-0.0005	0.00041	0.0009	0.00054863
50	0.9613	0.96655	0.9711	0.0025548	0.9621	0.96675	0.9719	0.0027492	-0.0011	0.0002	0.0009	0.00070553

Device Test: 17.19 BST|RES/BST/12/10////@R_BST_SW





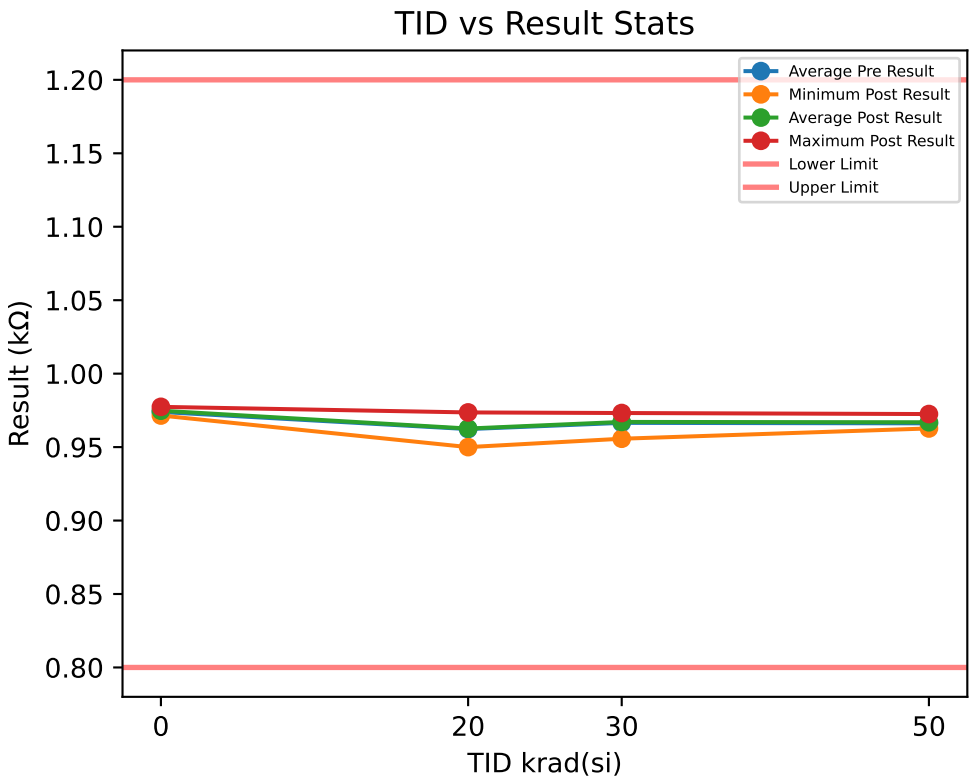
Test Results (No Limits Specified (Ω))

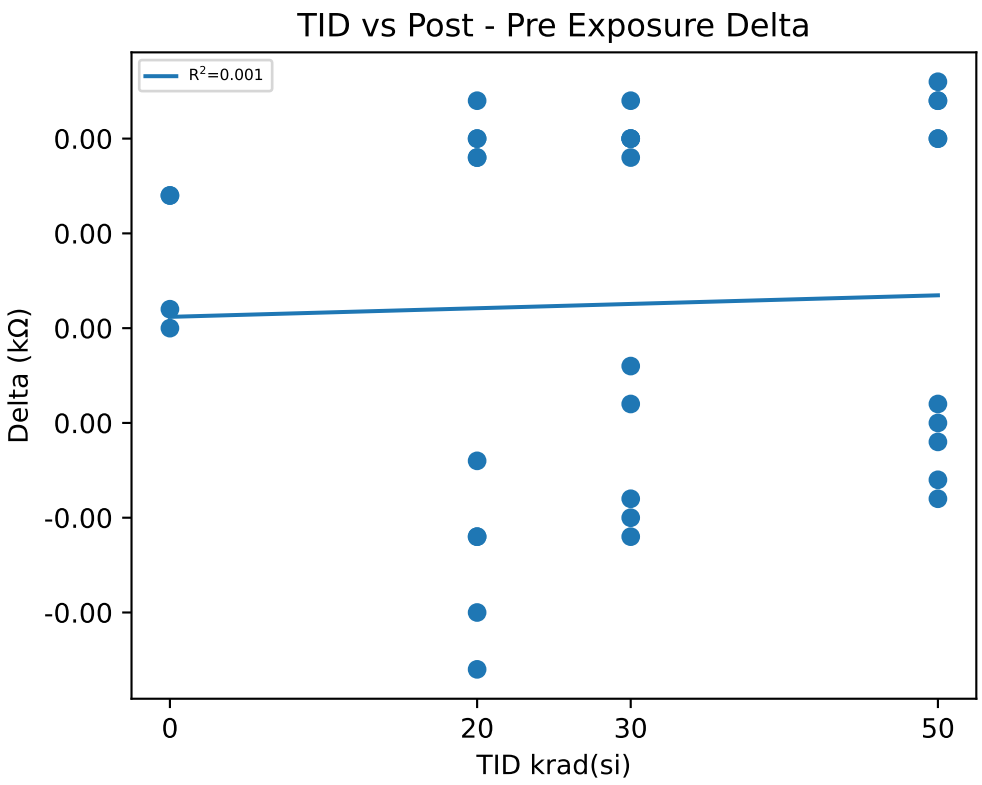
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	20	HDR BIAS	0.3892	0.4155	0.0263
2	20	HDR BIAS	0.3871	0.3807	-0.0064
3	20	HDR BIAS	0.3919	0.4171	0.0252
4	20	HDR BIAS	0.3954	0.3842	-0.0112
5	20	HDR BIAS	0.3908	0.4168	0.026
6	20	HDR UNBIAS	0.3995	0.3831	-0.0164
7	20	HDR UNBIAS	0.3921	0.4184	0.0263
8	20	HDR UNBIAS	0.3918	0.3832	-0.0086
9	20	HDR UNBIAS	0.3912	0.4156	0.0244
10	20	HDR UNBIAS	0.3956	0.3828	-0.0128
11	30	HDR BIAS	0.3896	0.4161	0.0265
12	30	HDR BIAS	0.3982	0.3827	-0.0155
13	30	HDR BIAS	0.3932	0.4186	0.0254
14	30	HDR BIAS	0.3954	0.3823	-0.0131
15	30	HDR BIAS	0.3872	0.4126	0.0254
16	30	HDR UNBIAS	0.3895	0.3822	-0.0073
17	30	HDR UNBIAS	0.3944	0.4184	0.024
18	30	HDR UNBIAS	0.4026	0.3808	-0.0218
19	30	HDR UNBIAS	0.3919	0.4188	0.0269
20	30	HDR UNBIAS	0.3861	0.3781	-0.008
21	50	HDR BIAS	0.3943	0.4204	0.0261
22	50	HDR BIAS	0.3931	0.3823	-0.0108
23	50	HDR BIAS	0.3907	0.4153	0.0246
24	50	HDR BIAS	0.3927	0.3827	-0.01
25	50	HDR BIAS	0.3921	0.4175	0.0254
26	50	HDR UNBIAS	0.3925	0.3806	-0.0119
27	50	HDR UNBIAS	0.3897	0.4146	0.0249
28	50	HDR UNBIAS	0.3945	0.3805	-0.014
29	50	HDR UNBIAS	0.3914	0.4177	0.0263
30	50	HDR UNBIAS	0.3978	0.3829	-0.0149
41	0	CORRELATION	0.3972	0.4189	0.0217
42	0	CORRELATION	0.3951	0.3852	-0.0099
43	0	CORRELATION	0.3954	0.4193	0.0239
45	0	CORRELATION	0.3937	0.385	-0.0087

Test Statistics (Ω)

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	0.3937	0.39535	0.3972	0.0014387	0.385	0.4021	0.4193	0.019631	-0.0099	0.00675	0.0239	0.018561
20	0.3871	0.39246	0.3995	0.0035378	0.3807	0.39974	0.4184	0.017895	-0.0164	0.00728	0.0263	0.01953
30	0.3861	0.39281	0.4026	0.0050867	0.3781	0.39906	0.4188	0.018929	-0.0218	0.00625	0.0269	0.020833
50	0.3897	0.39288	0.3978	0.0022788	0.3805	0.39945	0.4204	0.018683	-0.0149	0.00657	0.0263	0.019966

Device Test: 17.20 BST|RES/BST/12/10////@R_BST_SW_PARALLEL





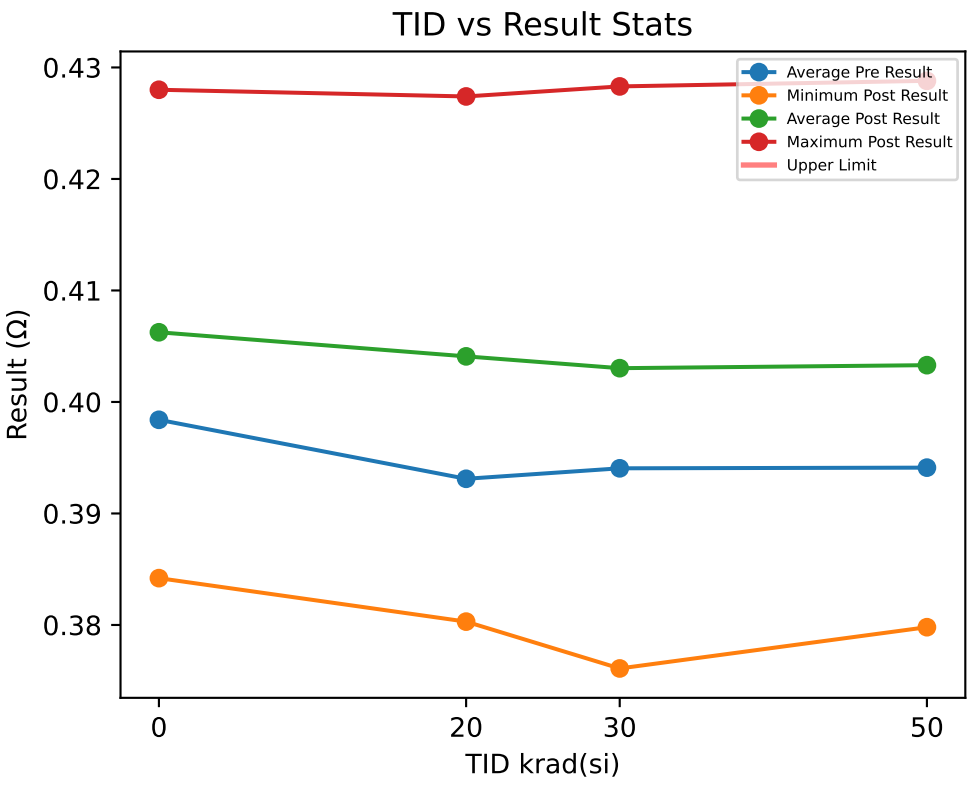
Test Results (Lower Limit = 0.8, Upper Limit = 1.2 (kΩ))

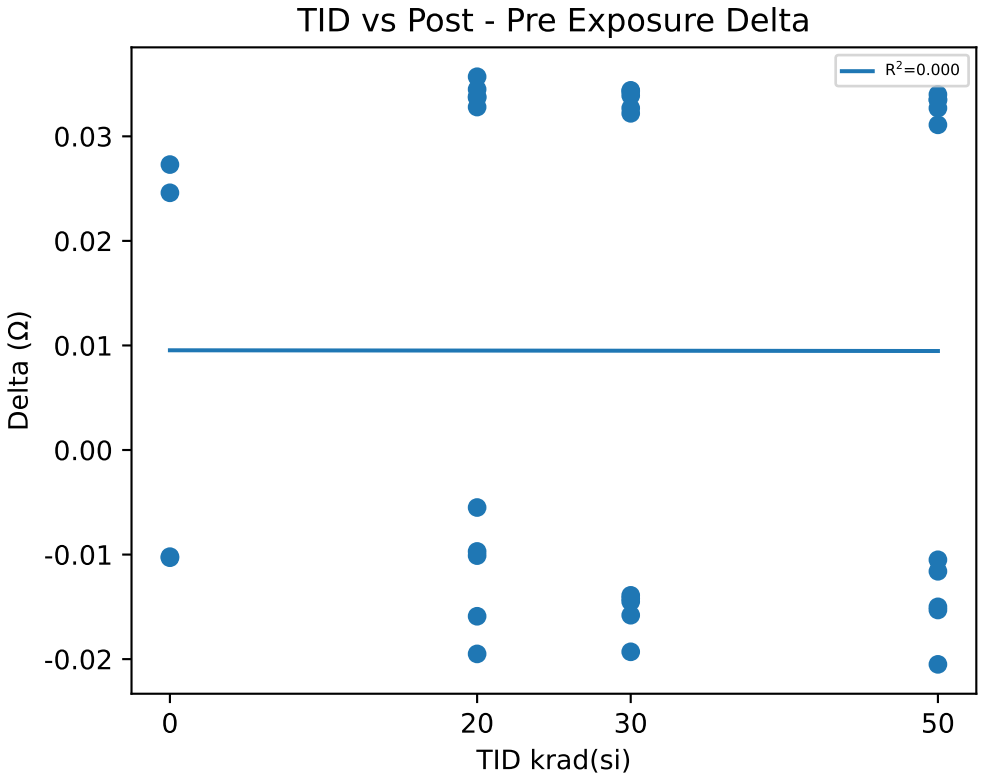
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	20	HDR BIAS	0.9676	0.9693	0.0017
2	20	HDR BIAS	0.9671	0.9669	-0.0002
3	20	HDR BIAS	0.9486	0.95	0.0014
4	20	HDR BIAS	0.9523	0.951	-0.0013
5	20	HDR BIAS	0.9642	0.9657	0.0015
6	20	HDR UNBIAS	0.9526	0.952	-0.0006
7	20	HDR UNBIAS	0.9722	0.9736	0.0014
8	20	HDR UNBIAS	0.9627	0.9617	-0.001
9	20	HDR UNBIAS	0.9718	0.9733	0.0015
10	20	HDR UNBIAS	0.9635	0.9629	-0.0006
11	30	HDR BIAS	0.9682	0.9699	0.0017
12	30	HDR BIAS	0.9562	0.9557	-0.0005
13	30	HDR BIAS	0.9608	0.9623	0.0015
14	30	HDR BIAS	0.9683	0.9679	-0.0004
15	30	HDR BIAS	0.9717	0.9732	0.0015
16	30	HDR UNBIAS	0.9701	0.9704	0.0003
17	30	HDR UNBIAS	0.9676	0.969	0.0014
18	30	HDR UNBIAS	0.9651	0.9645	-0.0006
19	30	HDR UNBIAS	0.9686	0.9701	0.0015
20	30	HDR UNBIAS	0.9683	0.9684	0.0001
21	50	HDR BIAS	0.9657	0.9672	0.0015
22	50	HDR BIAS	0.9648	0.9644	-0.0004
23	50	HDR BIAS	0.966	0.9677	0.0017
24	50	HDR BIAS	0.9656	0.9657	0.0001
25	50	HDR BIAS	0.9685	0.9702	0.0017
26	50	HDR UNBIAS	0.9644	0.9644	0
27	50	HDR UNBIAS	0.9707	0.9725	0.0018
28	50	HDR UNBIAS	0.968	0.9677	-0.0003
29	50	HDR UNBIAS	0.9612	0.9627	0.0015
30	50	HDR UNBIAS	0.9667	0.9666	-0.0001
41	0	CORRELATION	0.9762	0.9774	0.0012
42	0	CORRELATION	0.971	0.9715	0.0005
43	0	CORRELATION	0.9725	0.9737	0.0012
45	0	CORRELATION	0.976	0.9766	0.0006

Test Statistics (kΩ)

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	0.971	0.97392	0.9762	0.0025863	0.9715	0.9748	0.9774	0.0027142	0.0005	0.000875	0.0012	0.00037749
20	0.9486	0.96226	0.9722	0.0083424	0.95	0.96264	0.9736	0.0089134	-0.0013	0.00038	0.0017	0.0012164
30	0.9562	0.96649	0.9717	0.0046611	0.9557	0.96714	0.9732	0.0050621	-0.0006	0.00065	0.0017	0.00095714
50	0.9612	0.96616	0.9707	0.0025791	0.9627	0.96691	0.9725	0.0028923	-0.0004	0.00075	0.0018	0.00095248

Device Test: 17.29 BST|RES/BST/14/14////@R_BST_SW





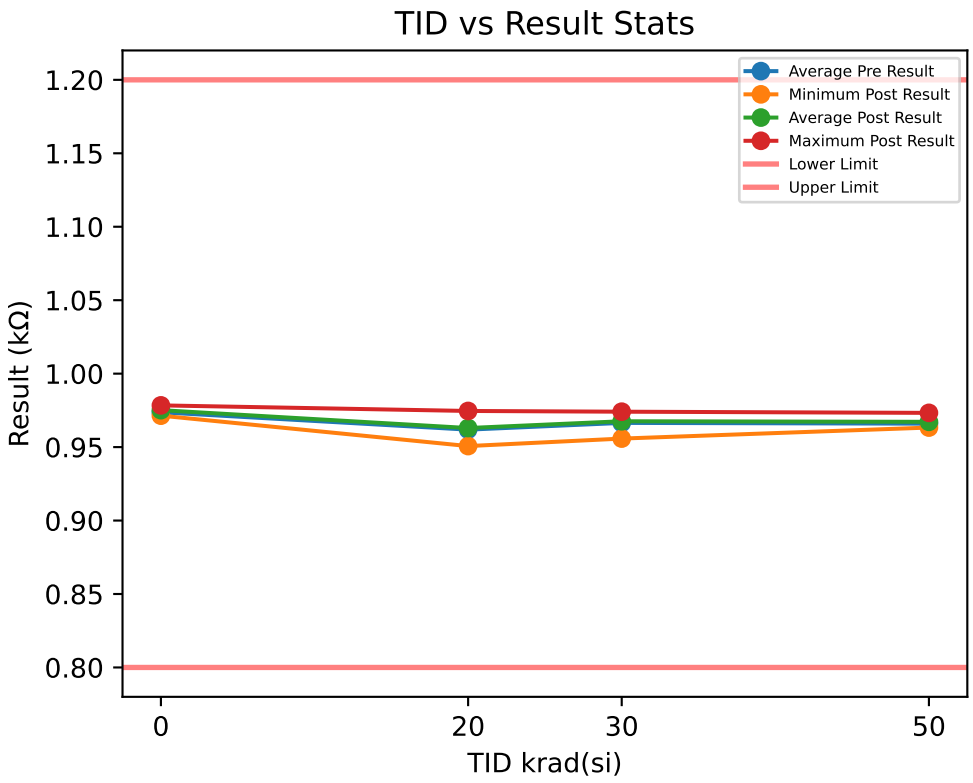
Test Results (No Limits Specified (Ω))

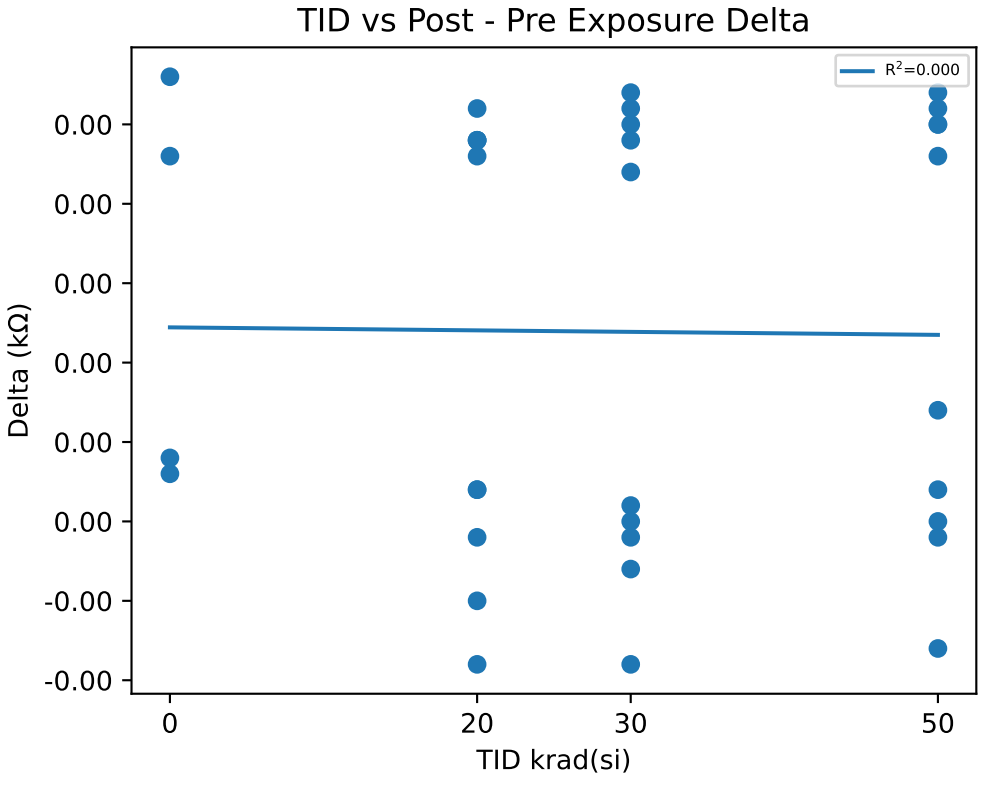
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	20	HDR BIAS	0.3899	0.4244	0.0345
2	20	HDR BIAS	0.39	0.3803	-0.0097
3	20	HDR BIAS	0.3919	0.4256	0.0337
4	20	HDR BIAS	0.3868	0.3813	-0.0055
5	20	HDR BIAS	0.39	0.4257	0.0357
6	20	HDR UNBIAS	0.3919	0.3818	-0.0101
7	20	HDR UNBIAS	0.3936	0.4274	0.0338
8	20	HDR UNBIAS	0.4006	0.3847	-0.0159
9	20	HDR UNBIAS	0.3927	0.4255	0.0328
10	20	HDR UNBIAS	0.4037	0.3842	-0.0195
11	30	HDR BIAS	0.3905	0.4232	0.0327
12	30	HDR BIAS	0.397	0.3828	-0.0142
13	30	HDR BIAS	0.394	0.4283	0.0343
14	30	HDR BIAS	0.3943	0.3804	-0.0139
15	30	HDR BIAS	0.3876	0.4215	0.0339
16	30	HDR UNBIAS	0.3978	0.382	-0.0158
17	30	HDR UNBIAS	0.3944	0.4266	0.0322
18	30	HDR UNBIAS	0.3957	0.3812	-0.0145
19	30	HDR UNBIAS	0.3938	0.4282	0.0344
20	30	HDR UNBIAS	0.3954	0.3761	-0.0193
21	50	HDR BIAS	0.3948	0.4288	0.034
22	50	HDR BIAS	0.3958	0.3808	-0.015
23	50	HDR BIAS	0.3919	0.4246	0.0327
24	50	HDR BIAS	0.3926	0.381	-0.0116
25	50	HDR BIAS	0.3929	0.4264	0.0335
26	50	HDR UNBIAS	0.3961	0.3808	-0.0153
27	50	HDR UNBIAS	0.3901	0.4236	0.0335
28	50	HDR UNBIAS	0.3903	0.3798	-0.0105
29	50	HDR UNBIAS	0.3951	0.4262	0.0311
30	50	HDR UNBIAS	0.4015	0.381	-0.0205
41	0	CORRELATION	0.4001	0.4274	0.0273
42	0	CORRELATION	0.3957	0.3854	-0.0103
43	0	CORRELATION	0.4034	0.428	0.0246
45	0	CORRELATION	0.3944	0.3842	-0.0102

Test Statistics (Ω)

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	0.3944	0.3984	0.4034	0.0041304	0.3842	0.40625	0.428	0.024774	-0.0103	0.00785	0.0273	0.020929
20	0.3868	0.39311	0.4037	0.0051753	0.3803	0.40409	0.4274	0.022847	-0.0195	0.01098	0.0357	0.024659
30	0.3876	0.39405	0.3978	0.0030141	0.3761	0.40303	0.4283	0.0239	-0.0193	0.00898	0.0344	0.025897
50	0.3901	0.39411	0.4015	0.0033683	0.3798	0.4033	0.4288	0.023883	-0.0205	0.00919	0.034	0.025203

Device Test: 17.30 BST|RES/BST/14/14////@R_BST_SW_PARALLEL





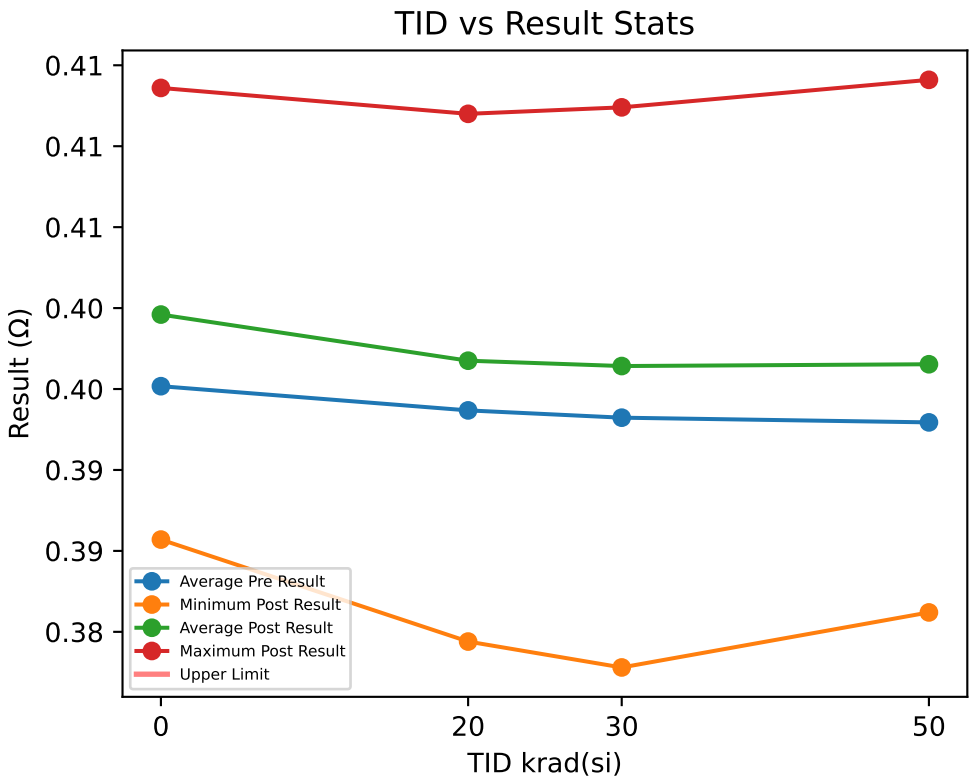
Test Results (Lower Limit = 0.8, Upper Limit = 1.2 (kΩ))

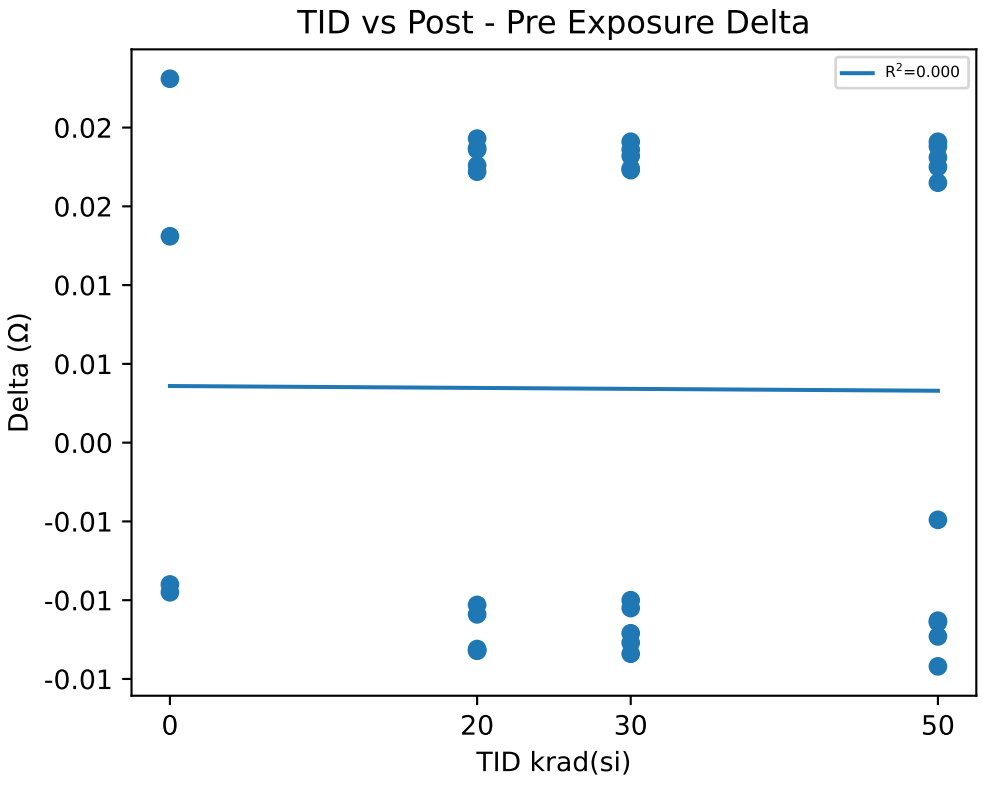
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	20	HDR BIAS	0.9677	0.97	0.0023
2	20	HDR BIAS	0.9667	0.9666	-0.0001
3	20	HDR BIAS	0.9483	0.9507	0.0024
4	20	HDR BIAS	0.9514	0.9509	-0.0005
5	20	HDR BIAS	0.9642	0.9666	0.0024
6	20	HDR UNBIAS	0.9516	0.9518	0.0002
7	20	HDR UNBIAS	0.9722	0.9746	0.0024
8	20	HDR UNBIAS	0.9624	0.9615	-0.0009
9	20	HDR UNBIAS	0.9718	0.9744	0.0026
10	20	HDR UNBIAS	0.9625	0.9627	0.0002
11	30	HDR BIAS	0.968	0.9707	0.0027
12	30	HDR BIAS	0.9558	0.9558	0
13	30	HDR BIAS	0.9607	0.9632	0.0025
14	30	HDR BIAS	0.9683	0.968	-0.0003
15	30	HDR BIAS	0.9719	0.9741	0.0022
16	30	HDR UNBIAS	0.9704	0.9703	-0.0001
17	30	HDR UNBIAS	0.9675	0.9701	0.0026
18	30	HDR UNBIAS	0.9645	0.9646	0.0001
19	30	HDR UNBIAS	0.9684	0.9708	0.0024
20	30	HDR UNBIAS	0.9692	0.9683	-0.0009
21	50	HDR BIAS	0.9656	0.9681	0.0025
22	50	HDR BIAS	0.9635	0.9642	0.0007
23	50	HDR BIAS	0.9659	0.9684	0.0025
24	50	HDR BIAS	0.9657	0.9656	-0.0001
25	50	HDR BIAS	0.9683	0.971	0.0027
26	50	HDR UNBIAS	0.964	0.964	0
27	50	HDR UNBIAS	0.9707	0.9733	0.0026
28	50	HDR UNBIAS	0.9675	0.9677	0.0002
29	50	HDR UNBIAS	0.961	0.9633	0.0023
30	50	HDR UNBIAS	0.9673	0.9665	-0.0008
41	0	CORRELATION	0.9756	0.9784	0.0028
42	0	CORRELATION	0.9711	0.9714	0.0003
43	0	CORRELATION	0.9721	0.9744	0.0023
45	0	CORRELATION	0.976	0.9764	0.0004

Test Statistics (kΩ)

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	0.9711	0.9737	0.976	0.0024644	0.9714	0.97515	0.9784	0.0029861	0.0003	0.00145	0.0028	0.0012871
20	0.9483	0.96188	0.9722	0.0086151	0.9507	0.96298	0.9746	0.009219	-0.0009	0.0011	0.0026	0.0014291
30	0.9558	0.96647	0.9719	0.0048749	0.9558	0.96759	0.9741	0.0052056	-0.0009	0.00112	0.0027	0.0014635
50	0.961	0.96595	0.9707	0.0027245	0.9633	0.96721	0.9733	0.0031911	-0.0008	0.00126	0.0027	0.0013802

Device Test: 17.9 BST|RES/BST/10/8////@R_BST_SW





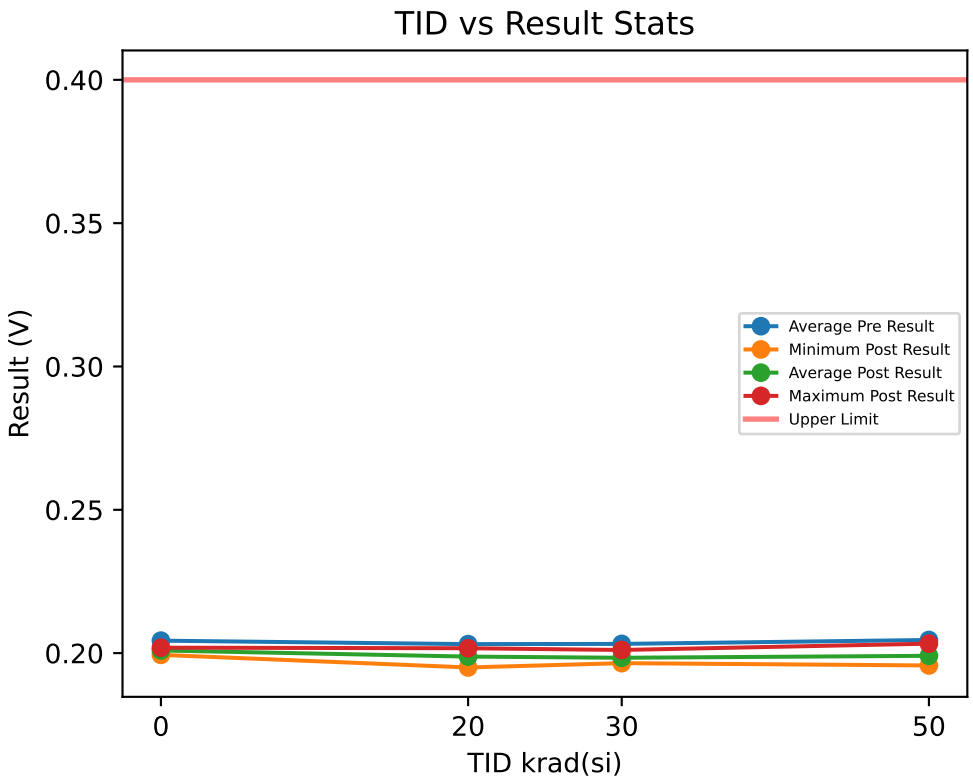
Test Results (No Limits Specified (Ω))

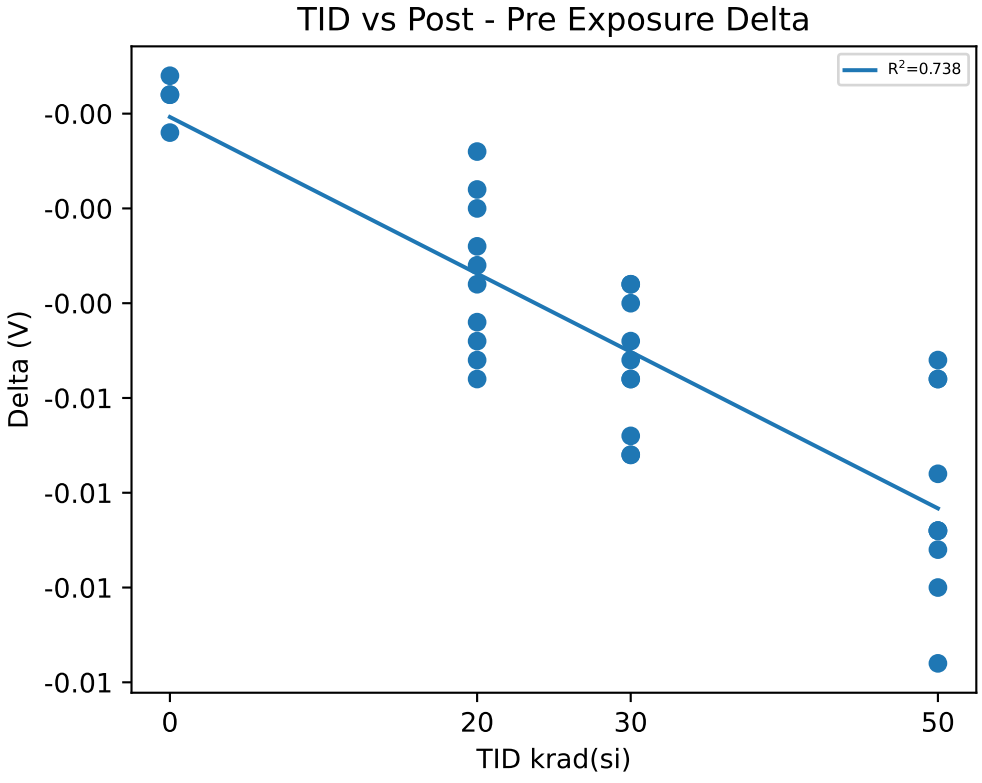
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	20	HDR BIAS	0.3906	0.4099	0.0193
2	20	HDR BIAS	0.3897	0.3794	-0.0103
3	20	HDR BIAS	0.3925	0.4112	0.0187
4	20	HDR BIAS	0.396	0.3828	-0.0132
5	20	HDR BIAS	0.3929	0.4105	0.0176
6	20	HDR UNBIAS	0.3939	0.383	-0.0109
7	20	HDR UNBIAS	0.3934	0.412	0.0186
8	20	HDR UNBIAS	0.3967	0.3836	-0.0131
9	20	HDR UNBIAS	0.3929	0.4101	0.0172
10	20	HDR UNBIAS	0.3982	0.385	-0.0132
11	30	HDR BIAS	0.3903	0.4094	0.0191
12	30	HDR BIAS	0.3973	0.3846	-0.0127
13	30	HDR BIAS	0.3946	0.412	0.0174
14	30	HDR BIAS	0.393	0.3825	-0.0105
15	30	HDR BIAS	0.3885	0.4071	0.0186
16	30	HDR UNBIAS	0.3959	0.3838	-0.0121
17	30	HDR UNBIAS	0.3951	0.4124	0.0173
18	30	HDR UNBIAS	0.3928	0.3828	-0.01
19	30	HDR UNBIAS	0.3936	0.4118	0.0182
20	30	HDR UNBIAS	0.3912	0.3778	-0.0134
21	50	HDR BIAS	0.3953	0.4141	0.0188
22	50	HDR BIAS	0.3963	0.3821	-0.0142
23	50	HDR BIAS	0.3923	0.4098	0.0175
24	50	HDR BIAS	0.3927	0.3814	-0.0113
25	50	HDR BIAS	0.393	0.4121	0.0191
26	50	HDR UNBIAS	0.3938	0.3815	-0.0123
27	50	HDR UNBIAS	0.392	0.4085	0.0165
28	50	HDR UNBIAS	0.3861	0.3812	-0.0049
29	50	HDR UNBIAS	0.3935	0.4116	0.0181
30	50	HDR UNBIAS	0.3944	0.383	-0.0114
41	0	CORRELATION	0.3989	0.412	0.0131
42	0	CORRELATION	0.3961	0.3871	-0.009
43	0	CORRELATION	0.3905	0.4136	0.0231
45	0	CORRELATION	0.3952	0.3857	-0.0095

Test Statistics (Ω)

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	0.3905	0.39517	0.3989	0.0034923	0.3857	0.3996	0.4136	0.015267	-0.0095	0.004425	0.0231	0.016311
20	0.3897	0.39368	0.3982	0.0026457	0.3794	0.39675	0.412	0.014822	-0.0132	0.00307	0.0193	0.016071
30	0.3885	0.39323	0.3973	0.0026775	0.3778	0.39642	0.4124	0.015063	-0.0134	0.00319	0.0191	0.015776
50	0.3861	0.39294	0.3963	0.0027525	0.3812	0.39653	0.4141	0.015559	-0.0142	0.00359	0.0191	0.015384

Device Test: 18.1 LEVEL|VOL/PGOOD/7.5/////@V_PGOOD_OL





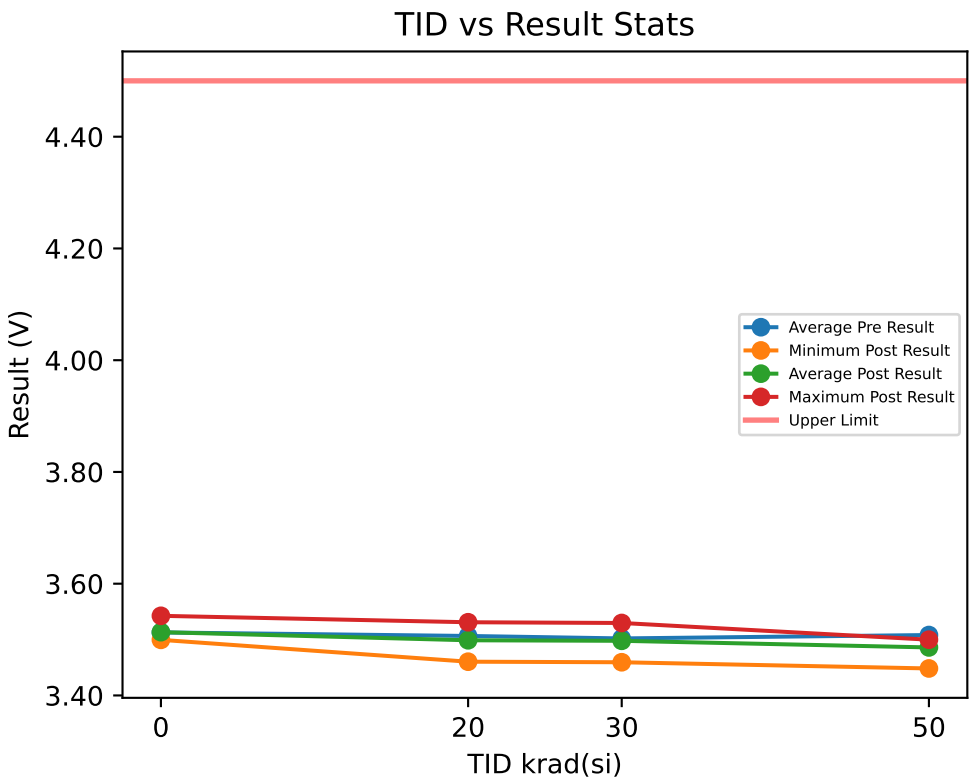
Test Results (Upper Limit = 0.4 (V))

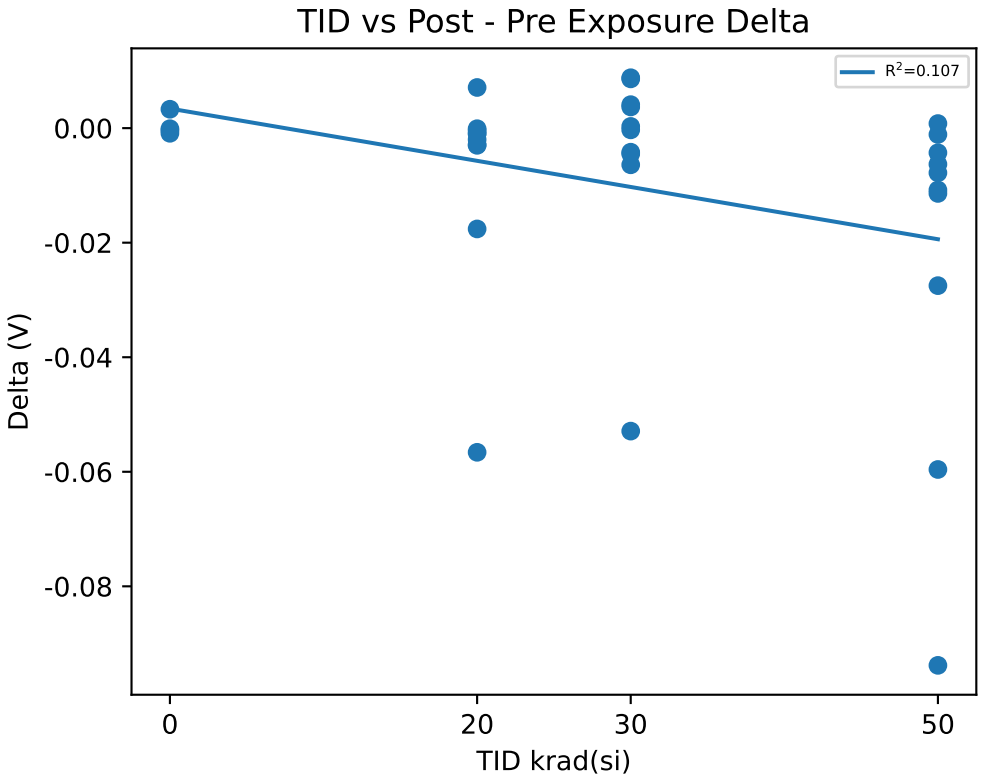
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	20	HDR BIAS	0.2016	0.1977	-0.0039
2	20	HDR BIAS	0.1999	0.1956	-0.0043
3	20	HDR BIAS	0.203	0.199	-0.004
4	20	HDR BIAS	0.2057	0.2011	-0.0046
5	20	HDR BIAS	0.2037	0.2	-0.0037
6	20	HDR UNBIAS	0.2065	0.2017	-0.0048
7	20	HDR UNBIAS	0.1992	0.195	-0.0042
8	20	HDR UNBIAS	0.2025	0.1978	-0.0047
9	20	HDR UNBIAS	0.206	0.2016	-0.0044
10	20	HDR UNBIAS	0.2033	0.1984	-0.0049
11	30	HDR BIAS	0.2016	0.1972	-0.0044
12	30	HDR BIAS	0.2046	0.1997	-0.0049
13	30	HDR BIAS	0.2056	0.2011	-0.0045
14	30	HDR BIAS	0.2015	0.1966	-0.0049
15	30	HDR BIAS	0.2046	0.2002	-0.0044
16	30	HDR UNBIAS	0.2028	0.1976	-0.0052
17	30	HDR UNBIAS	0.2024	0.1976	-0.0048
18	30	HDR UNBIAS	0.2046	0.1993	-0.0053
19	30	HDR UNBIAS	0.2012	0.1965	-0.0047
20	30	HDR UNBIAS	0.2033	0.198	-0.0053
21	50	HDR BIAS	0.2047	0.1998	-0.0049
22	50	HDR BIAS	0.2011	0.1957	-0.0054
23	50	HDR BIAS	0.2067	0.2018	-0.0049
24	50	HDR BIAS	0.209	0.2033	-0.0057
25	50	HDR BIAS	0.2038	0.199	-0.0048
26	50	HDR UNBIAS	0.202	0.196	-0.006
27	50	HDR UNBIAS	0.2043	0.1986	-0.0057
28	50	HDR UNBIAS	0.2025	0.1967	-0.0058
29	50	HDR UNBIAS	0.2069	0.2012	-0.0057
30	50	HDR UNBIAS	0.2049	0.1985	-0.0064
41	0	CORRELATION	0.203	0.1994	-0.0036
42	0	CORRELATION	0.2052	0.2018	-0.0034
43	0	CORRELATION	0.204	0.2006	-0.0034
45	0	CORRELATION	0.2052	0.2019	-0.0033

Test Statistics (V)

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	0.203	0.20435	0.2052	0.001063	0.1994	0.20092	0.2019	0.0011758	-0.0036	-0.003425	-0.0033	0.00012583
20	0.1992	0.20314	0.2065	0.0024762	0.195	0.19879	0.2017	0.0023586	-0.0049	-0.00435	-0.0037	0.00040346
30	0.2012	0.20322	0.2056	0.0015598	0.1965	0.19838	0.2011	0.0015901	-0.0053	-0.00484	-0.0044	0.00034705
50	0.2011	0.20459	0.209	0.0024338	0.1957	0.19906	0.2033	0.0025246	-0.0064	-0.00553	-0.0048	0.00052504

Device Test: 18.2 THRESHOLD|MINBP7L/PGOOD//////@V_BP7L_MIN_FOR_PGOOD





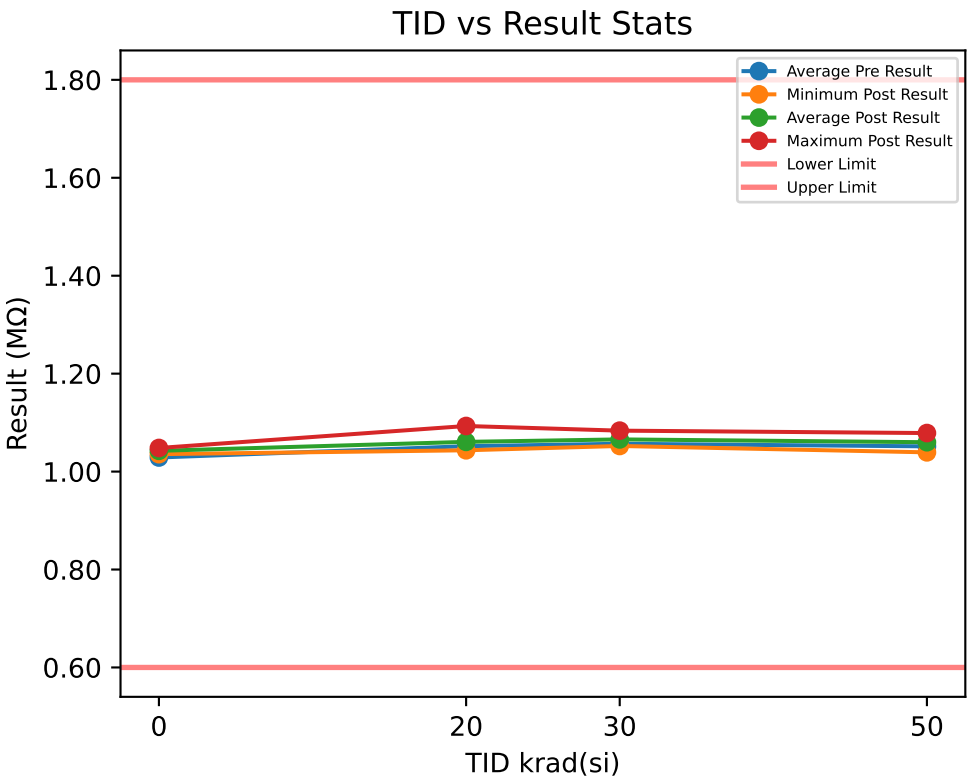
Test Results (Upper Limit = 4.5 (V))

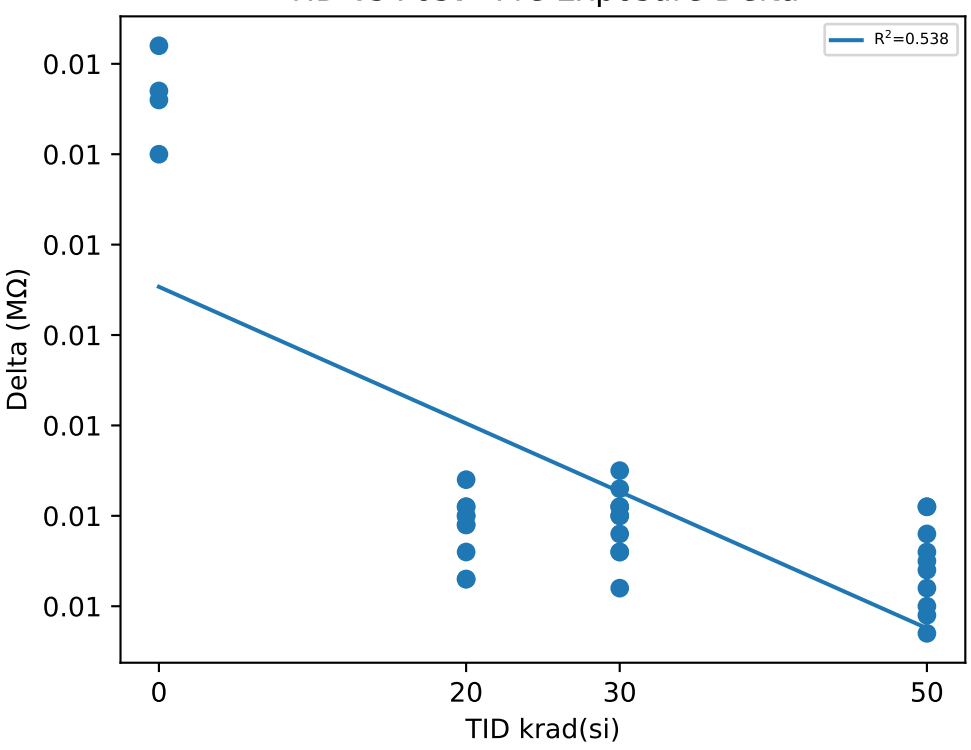
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	20	HDR BIAS	3.5036	3.5016	-0.002
2	20	HDR BIAS	3.517	3.4604	-0.0566
3	20	HDR BIAS	3.5076	3.5047	-0.0029
4	20	HDR BIAS	3.4967	3.4957	-0.001
5	20	HDR BIAS	3.4908	3.4878	-0.003
6	20	HDR UNBIAS	3.5217	3.5216	-0.0001
7	20	HDR UNBIAS	3.5001	3.4825	-0.0176
8	20	HDR UNBIAS	3.5239	3.531	0.0071
9	20	HDR UNBIAS	3.4879	3.4875	-0.0004
10	20	HDR UNBIAS	3.5154	3.5145	-0.0009
11	30	HDR BIAS	3.5211	3.5297	0.0086
12	30	HDR BIAS	3.5204	3.5207	0.0003
13	30	HDR BIAS	3.5089	3.5044	-0.0045
14	30	HDR BIAS	3.4985	3.5073	0.0088
15	30	HDR BIAS	3.4636	3.4594	-0.0042
16	30	HDR UNBIAS	3.5064	3.5101	0.0037
17	30	HDR UNBIAS	3.4717	3.4653	-0.0064
18	30	HDR UNBIAS	3.5029	3.5026	-0.0003
19	30	HDR UNBIAS	3.532	3.4791	-0.0529
20	30	HDR UNBIAS	3.4951	3.4992	0.0041
21	50	HDR BIAS	3.5011	3.4903	-0.0108
22	50	HDR BIAS	3.5586	3.4648	-0.0938
23	50	HDR BIAS	3.5098	3.4984	-0.0114
24	50	HDR BIAS	3.5173	3.4898	-0.0275
25	50	HDR BIAS	3.4886	3.4875	-0.0011
26	50	HDR UNBIAS	3.5079	3.4483	-0.0596
27	50	HDR UNBIAS	3.492	3.4928	0.0008
28	50	HDR UNBIAS	3.4957	3.4914	-0.0043
29	50	HDR UNBIAS	3.5026	3.4963	-0.0063
30	50	HDR UNBIAS	3.5076	3.4998	-0.0078
41	0	CORRELATION	3.5392	3.5425	0.0033
42	0	CORRELATION	3.5004	3.4995	-0.0009
43	0	CORRELATION	3.5079	3.5078	-0.0001
45	0	CORRELATION	3.5036	3.5032	-0.0004

Test Statistics (V)

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	3.5004	3.5128	3.5392	0.017883	3.4995	3.5133	3.5425	0.019793	-0.0009	0.000475	0.0033	0.001912
20	3.4879	3.5065	3.5239	0.012747	3.4604	3.4987	3.531	0.020668	-0.0566	-0.00774	0.0071	0.018221
30	3.4636	3.5021	3.532	0.021405	3.4594	3.4978	3.5297	0.022931	-0.0529	-0.00428	0.0088	0.017877
50	3.4886	3.5081	3.5586	0.01975	3.4483	3.4859	3.4998	0.016437	-0.0938	-0.02218	0.0008	0.030831

Device Test: 18.3 LEVEL|RES/PGOOD/10/8////@I_PGOOD_PD_RES





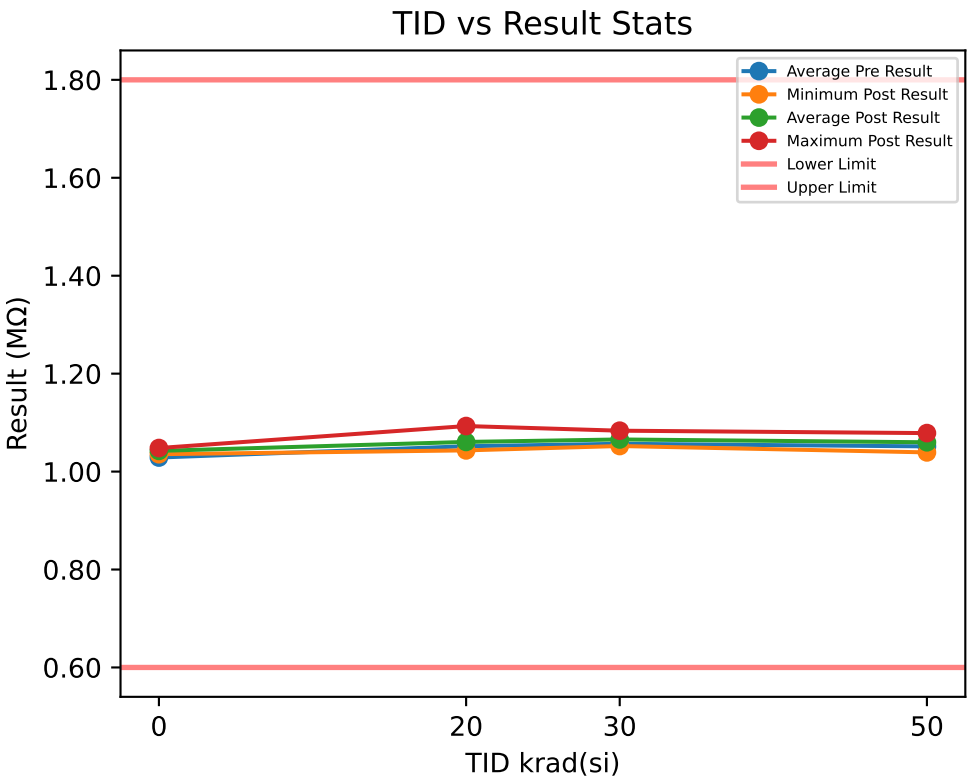
Test Results (Lower Limit = 0.6, Upper Limit = 1.8 (MΩ))

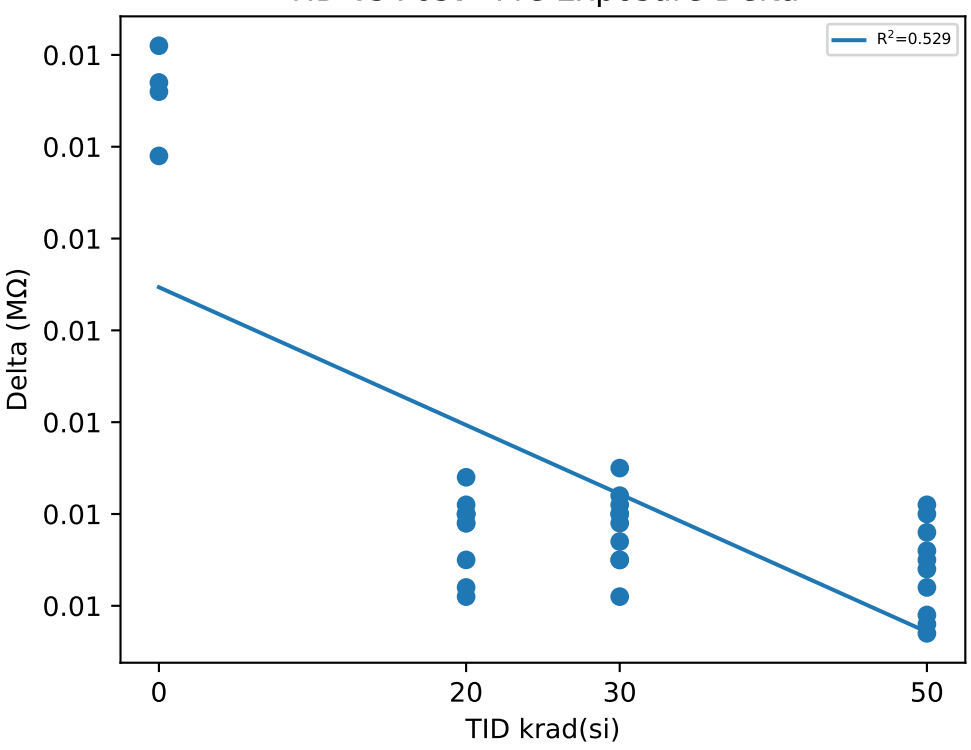
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	20	HDR BIAS	1.0557	1.064	0.0083
2	20	HDR BIAS	1.0594	1.0684	0.009
3	20	HDR BIAS	1.0352	1.0435	0.0083
4	20	HDR BIAS	1.0465	1.0554	0.0089
5	20	HDR BIAS	1.0602	1.0688	0.0086
6	20	HDR UNBIAS	1.0463	1.0552	0.0089
7	20	HDR UNBIAS	1.084	1.0931	0.0091
8	20	HDR UNBIAS	1.0397	1.0487	0.009
9	20	HDR UNBIAS	1.0557	1.0648	0.0091
10	20	HDR UNBIAS	1.0356	1.045	0.0094
11	30	HDR BIAS	1.07	1.0786	0.0086
12	30	HDR BIAS	1.0478	1.0569	0.0091
13	30	HDR BIAS	1.0449	1.0531	0.0082
14	30	HDR BIAS	1.0511	1.0601	0.009
15	30	HDR BIAS	1.067	1.0756	0.0086
16	30	HDR UNBIAS	1.0477	1.0568	0.0091
17	30	HDR UNBIAS	1.0533	1.0621	0.0088
18	30	HDR UNBIAS	1.043	1.0523	0.0093
19	30	HDR UNBIAS	1.0693	1.0783	0.009
20	30	HDR UNBIAS	1.0741	1.0836	0.0095
21	50	HDR BIAS	1.0564	1.0646	0.0082
22	50	HDR BIAS	1.0693	1.0781	0.0088
23	50	HDR BIAS	1.0393	1.047	0.0077
24	50	HDR BIAS	1.0363	1.0447	0.0084
25	50	HDR BIAS	1.0441	1.0521	0.008
26	50	HDR UNBIAS	1.0696	1.0787	0.0091
27	50	HDR UNBIAS	1.0663	1.0748	0.0085
28	50	HDR UNBIAS	1.0579	1.067	0.0091
29	50	HDR UNBIAS	1.0314	1.0393	0.0079
30	50	HDR UNBIAS	1.0448	1.0534	0.0086
41	0	CORRELATION	1.0337	1.0479	0.0142
42	0	CORRELATION	1.022	1.0356	0.0136
43	0	CORRELATION	1.0242	1.0379	0.0137
45	0	CORRELATION	1.0352	1.0482	0.013

Test Statistics (MΩ)

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	1.022	1.0288	1.0352	0.0066425	1.0356	1.0424	1.0482	0.0065924	0.013	0.013625	0.0142	0.00049244
20	1.0352	1.0518	1.084	0.014675	1.0435	1.0607	1.0931	0.014708	0.0083	0.00886	0.0094	0.00035653
30	1.043	1.0568	1.0741	0.0119	1.0523	1.0657	1.0836	0.011939	0.0082	0.00892	0.0095	0.00037947
50	1.0314	1.0515	1.0696	0.014189	1.0393	1.06	1.0787	0.014545	0.0077	0.00843	0.0091	0.00048546

Device Test: 18.4 LEVEL|RES/PGOOD/12/10////@I_PGOOD_PD_RES





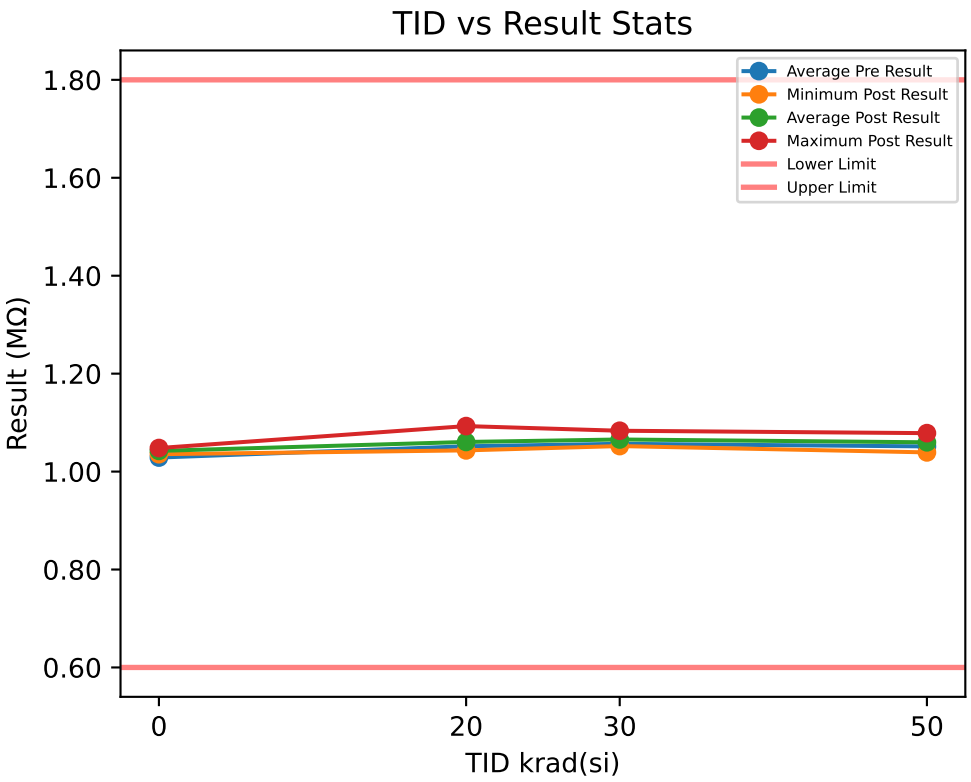
Test Results (Lower Limit = 0.6, Upper Limit = 1.8 (MΩ))

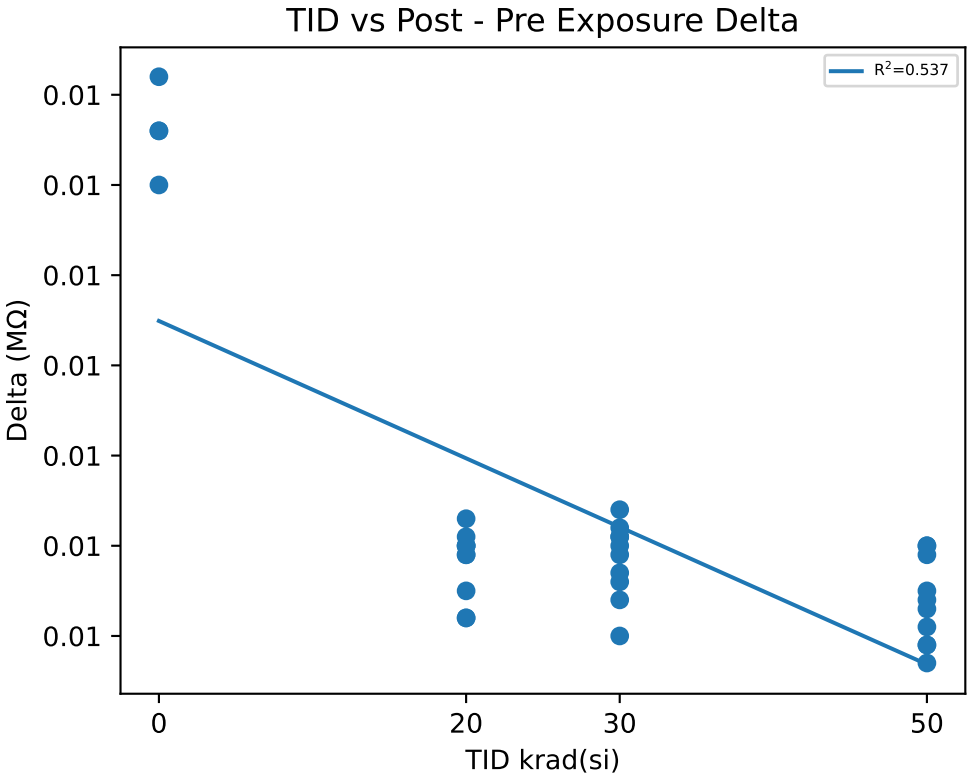
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	20	HDR BIAS	1.0557	1.0638	0.0081
2	20	HDR BIAS	1.0593	1.0683	0.009
3	20	HDR BIAS	1.0351	1.0433	0.0082
4	20	HDR BIAS	1.0464	1.0553	0.0089
5	20	HDR BIAS	1.0602	1.0687	0.0085
6	20	HDR UNBIAS	1.0462	1.0551	0.0089
7	20	HDR UNBIAS	1.0839	1.093	0.0091
8	20	HDR UNBIAS	1.0396	1.0486	0.009
9	20	HDR UNBIAS	1.0556	1.0646	0.009
10	20	HDR UNBIAS	1.0355	1.0449	0.0094
11	30	HDR BIAS	1.07	1.0785	0.0085
12	30	HDR BIAS	1.0477	1.0567	0.009
13	30	HDR BIAS	1.0449	1.053	0.0081
14	30	HDR BIAS	1.051	1.06	0.009
15	30	HDR BIAS	1.067	1.0755	0.0085
16	30	HDR UNBIAS	1.0476	1.0567	0.0091
17	30	HDR UNBIAS	1.0533	1.062	0.0087
18	30	HDR UNBIAS	1.043	1.0522	0.0092
19	30	HDR UNBIAS	1.0692	1.0781	0.0089
20	30	HDR UNBIAS	1.074	1.0835	0.0095
21	50	HDR BIAS	1.0563	1.0645	0.0082
22	50	HDR BIAS	1.0692	1.078	0.0088
23	50	HDR BIAS	1.0392	1.0469	0.0077
24	50	HDR BIAS	1.0362	1.0446	0.0084
25	50	HDR BIAS	1.0441	1.052	0.0079
26	50	HDR UNBIAS	1.0695	1.0786	0.0091
27	50	HDR UNBIAS	1.0662	1.0747	0.0085
28	50	HDR UNBIAS	1.0578	1.0668	0.009
29	50	HDR UNBIAS	1.0314	1.0392	0.0078
30	50	HDR UNBIAS	1.0447	1.0533	0.0086
41	0	CORRELATION	1.0336	1.0477	0.0141
42	0	CORRELATION	1.0219	1.0355	0.0136
43	0	CORRELATION	1.0241	1.0378	0.0137
45	0	CORRELATION	1.0352	1.0481	0.0129

Test Statistics (MΩ)

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	1.0219	1.0287	1.0352	0.0066748	1.0355	1.0423	1.0481	0.0065647	0.0129	0.013575	0.0141	0.00049917
20	1.0351	1.0517	1.0839	0.014685	1.0433	1.0606	1.093	0.014716	0.0081	0.00881	0.0094	0.00041218
30	1.043	1.0568	1.074	0.011894	1.0522	1.0656	1.0835	0.011936	0.0081	0.00885	0.0095	0.0004062
50	1.0314	1.0515	1.0695	0.014168	1.0392	1.0599	1.0786	0.01454	0.0077	0.0084	0.0091	0.00049441

Device Test: 18.5 LEVEL|RES/PGOOD/14/14////@I_PGOOD_PD_RES





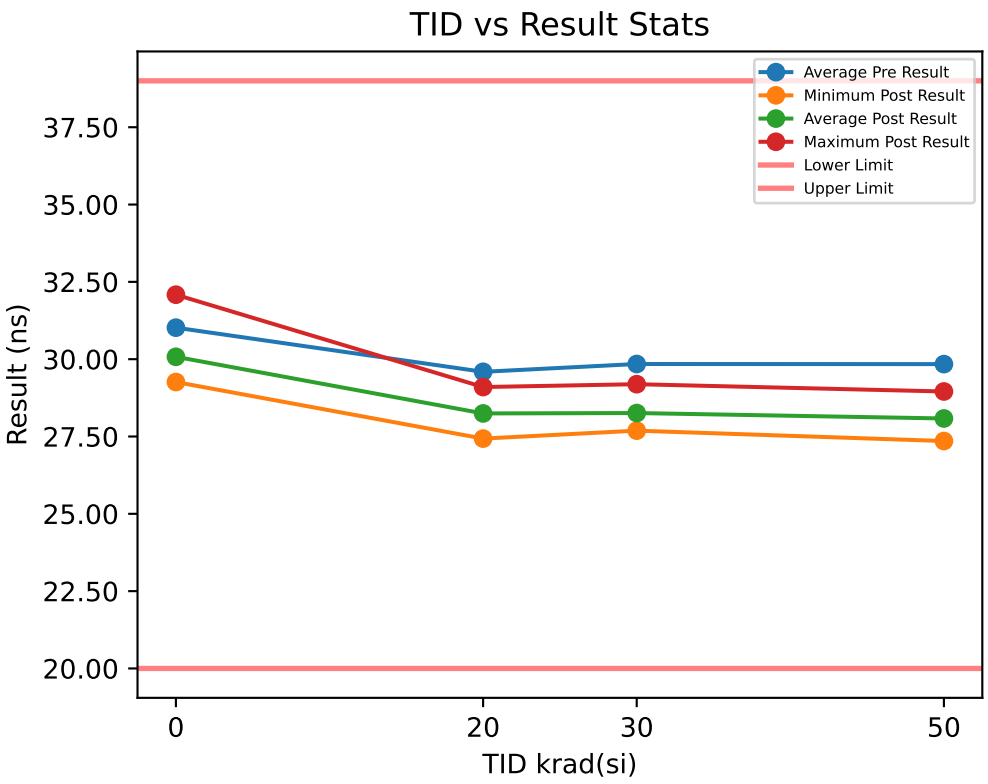
Test Results (Lower Limit = 0.6, Upper Limit = 1.8 (MΩ))

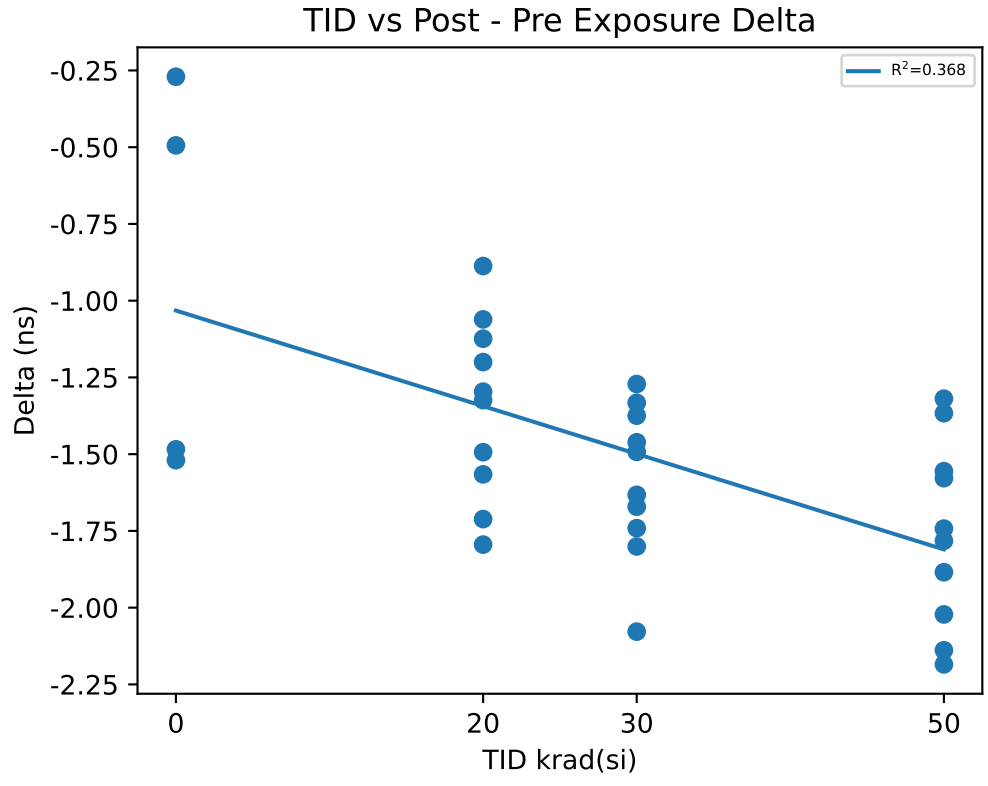
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	20	HDR BIAS	1.0556	1.0638	0.0082
2	20	HDR BIAS	1.0592	1.0682	0.009
3	20	HDR BIAS	1.0351	1.0433	0.0082
4	20	HDR BIAS	1.0464	1.0553	0.0089
5	20	HDR BIAS	1.0601	1.0686	0.0085
6	20	HDR UNBIAS	1.0461	1.055	0.0089
7	20	HDR UNBIAS	1.0838	1.0929	0.0091
8	20	HDR UNBIAS	1.0395	1.0485	0.009
9	20	HDR UNBIAS	1.0556	1.0646	0.009
10	20	HDR UNBIAS	1.0355	1.0448	0.0093
11	30	HDR BIAS	1.07	1.0784	0.0084
12	30	HDR BIAS	1.0476	1.0567	0.0091
13	30	HDR BIAS	1.0449	1.0529	0.008
14	30	HDR BIAS	1.051	1.06	0.009
15	30	HDR BIAS	1.0669	1.0755	0.0086
16	30	HDR UNBIAS	1.0475	1.0566	0.0091
17	30	HDR UNBIAS	1.0532	1.0619	0.0087
18	30	HDR UNBIAS	1.0429	1.0521	0.0092
19	30	HDR UNBIAS	1.0692	1.0781	0.0089
20	30	HDR UNBIAS	1.074	1.0834	0.0094
21	50	HDR BIAS	1.0563	1.0644	0.0081
22	50	HDR BIAS	1.0691	1.078	0.0089
23	50	HDR BIAS	1.0392	1.0469	0.0077
24	50	HDR BIAS	1.0362	1.0445	0.0083
25	50	HDR BIAS	1.044	1.0519	0.0079
26	50	HDR UNBIAS	1.0695	1.0785	0.009
27	50	HDR UNBIAS	1.0662	1.0746	0.0084
28	50	HDR UNBIAS	1.0578	1.0668	0.009
29	50	HDR UNBIAS	1.0313	1.0392	0.0079
30	50	HDR UNBIAS	1.0447	1.0532	0.0085
41	0	CORRELATION	1.0335	1.0477	0.0142
42	0	CORRELATION	1.0219	1.0355	0.0136
43	0	CORRELATION	1.0241	1.0377	0.0136
45	0	CORRELATION	1.0351	1.0481	0.013

Test Statistics (MΩ)

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	1.0219	1.0287	1.0351	0.0066179	1.0355	1.0423	1.0481	0.0065876	0.013	0.0136	0.0142	0.0004899
20	1.0351	1.0517	1.0838	0.014659	1.0433	1.0605	1.0929	0.014704	0.0082	0.00881	0.0093	0.00037845
30	1.0429	1.0567	1.074	0.011918	1.0521	1.0656	1.0834	0.011943	0.008	0.00884	0.0094	0.00041952
50	1.0313	1.0514	1.0695	0.014175	1.0392	1.0598	1.0785	0.014533	0.0077	0.00837	0.009	0.00047854

Device Test: 19.1 PWM|DEADTIME/GATE/10/8///0MHz/@T_RLH





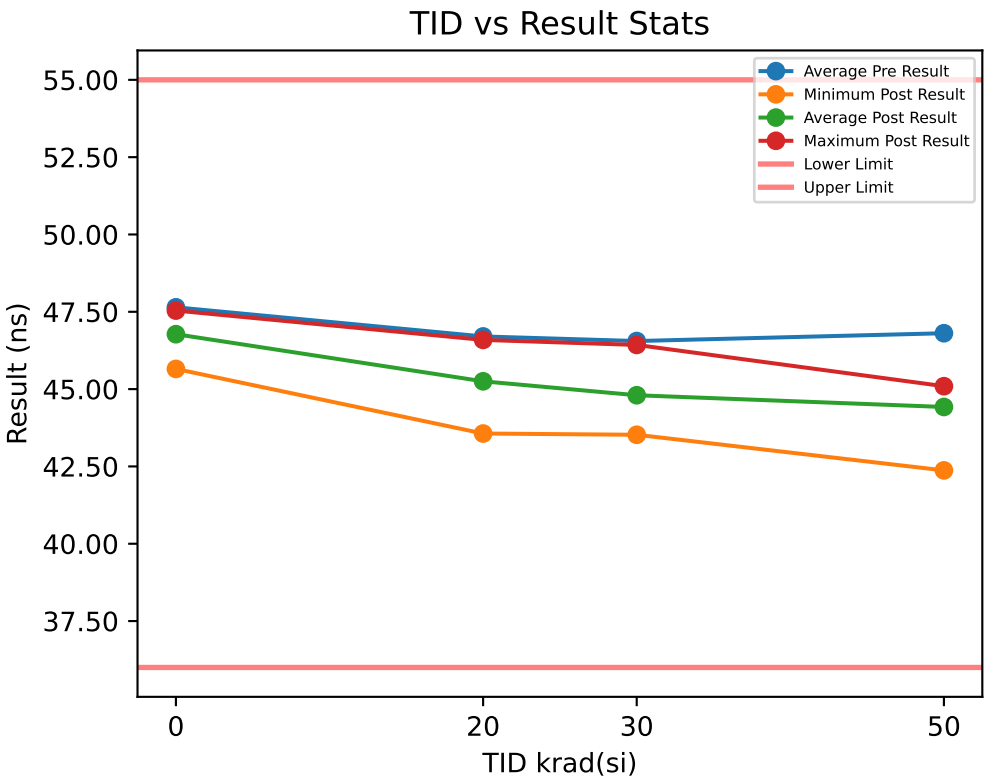
Test Results (Lower Limit = 20.0, Upper Limit = 39.0 (ns))

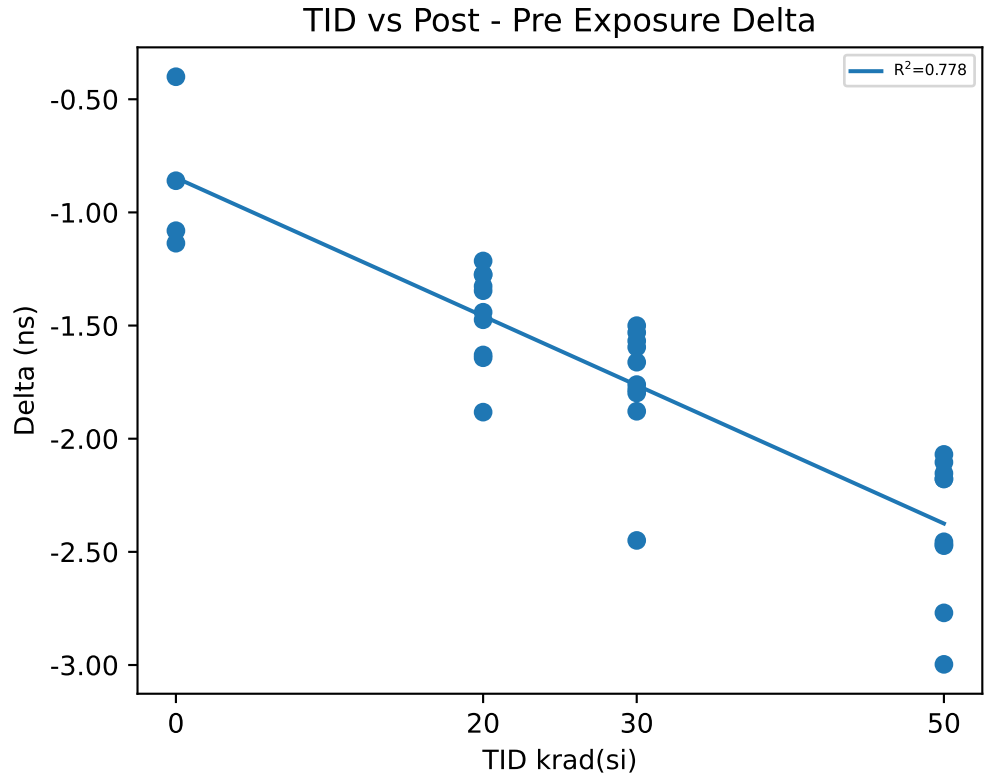
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	20	HDR BIAS	29.113	27.989	-1.1238
2	20	HDR BIAS	29.398	28.198	-1.2001
3	20	HDR BIAS	29.93	29.043	-0.8871
4	20	HDR BIAS	29.996	28.502	-1.4936
5	20	HDR BIAS	30.081	28.287	-1.7946
6	20	HDR UNBIAS	29.107	28.046	-1.0609
7	20	HDR UNBIAS	29.144	27.432	-1.7115
8	20	HDR UNBIAS	29.41	28.113	-1.2964
9	20	HDR UNBIAS	29.317	27.751	-1.5658
10	20	HDR UNBIAS	30.423	29.099	-1.3241
11	30	HDR BIAS	29.889	27.81	-2.0781
12	30	HDR BIAS	29.662	27.991	-1.671
13	30	HDR BIAS	30.364	28.731	-1.6325
14	30	HDR BIAS	29.702	28.431	-1.2715
15	30	HDR BIAS	29.764	27.963	-1.8007
16	30	HDR UNBIAS	30.524	29.191	-1.3327
17	30	HDR UNBIAS	29.984	28.523	-1.4612
18	30	HDR UNBIAS	29.808	28.433	-1.3746
19	30	HDR UNBIAS	29.563	27.822	-1.7411
20	30	HDR UNBIAS	29.182	27.689	-1.4926
21	50	HDR BIAS	28.673	27.354	-1.3193
22	50	HDR BIAS	30.271	28.387	-1.8846
23	50	HDR BIAS	29.869	27.73	-2.1388
24	50	HDR BIAS	29.606	28.028	-1.5782
25	50	HDR BIAS	29.129	27.763	-1.3665
26	50	HDR UNBIAS	30.881	28.859	-2.0221
27	50	HDR UNBIAS	29.893	28.337	-1.5554
28	50	HDR UNBIAS	29.749	28.006	-1.7425
29	50	HDR UNBIAS	29.596	27.411	-2.1847
30	50	HDR UNBIAS	30.738	28.956	-1.7822
41	0	CORRELATION	30.904	29.42	-1.4842
42	0	CORRELATION	30.036	29.542	-0.4941
43	0	CORRELATION	33.605	32.085	-1.5196
45	0	CORRELATION	29.532	29.261	-0.2705

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	29.532	31.019	33.605	1.8147	29.261	30.077	32.085	1.3438	-1.5196	-0.9421	-0.2705	0.65298
20	29.107	29.592	30.423	0.47377	27.432	28.246	29.099	0.52312	-1.7946	-1.3458	-0.8871	0.29257
30	29.182	29.844	30.524	0.38483	27.689	28.258	29.191	0.48287	-2.0781	-1.5856	-1.2715	0.24805
50	28.673	29.841	30.881	0.67241	27.354	28.083	28.956	0.55168	-2.1847	-1.7574	-1.3193	0.30419

Device Test: 19.10 PWM|DEADTIME/GATE/12/10///0MHz/@T_RHL





Test Results (Lower Limit = 36.0, Upper Limit = 55.0 (ns))

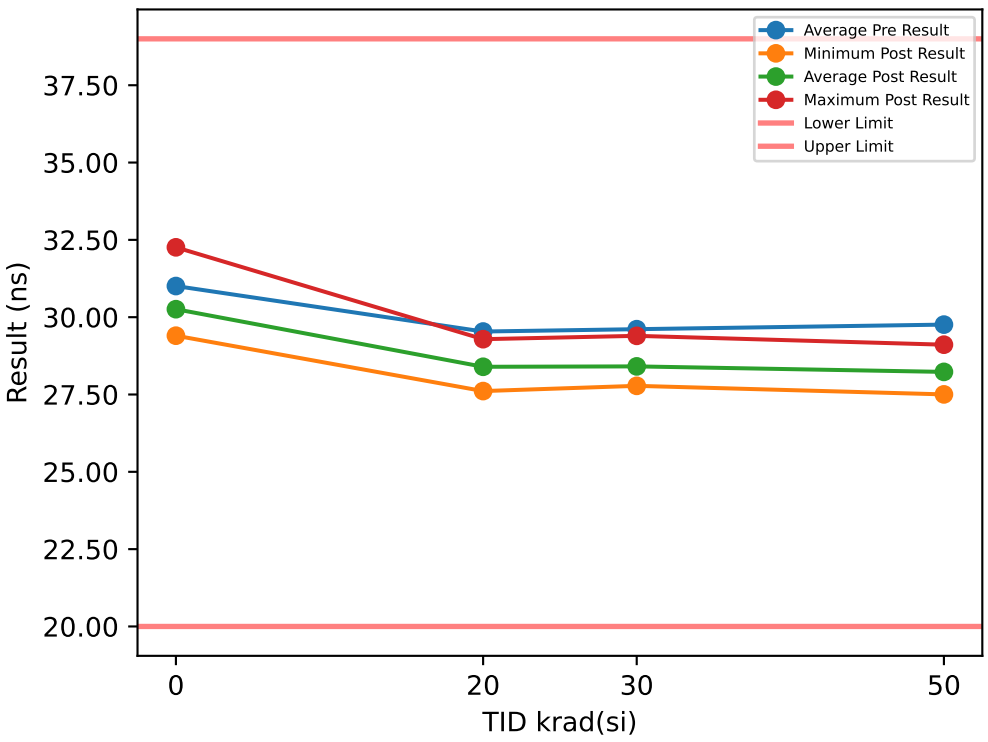
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	20	HDR BIAS	46.059	44.177	-1.8826
2	20	HDR BIAS	44.84	43.564	-1.2759
3	20	HDR BIAS	45.864	44.423	-1.4411
4	20	HDR BIAS	46.797	45.523	-1.2739
5	20	HDR BIAS	46.98	45.506	-1.4744
6	20	HDR UNBIAS	47.367	45.737	-1.6299
7	20	HDR UNBIAS	47.266	45.624	-1.6422
8	20	HDR UNBIAS	47.937	46.591	-1.3459
9	20	HDR UNBIAS	46.885	45.671	-1.2146
10	20	HDR UNBIAS	47.033	45.707	-1.3262
11	30	HDR BIAS	45.284	43.523	-1.7608
12	30	HDR BIAS	45.271	43.676	-1.5954
13	30	HDR BIAS	46.91	45.38	-1.5307
14	30	HDR BIAS	47.088	45.588	-1.5004
15	30	HDR BIAS	46.624	44.746	-1.8788
16	30	HDR UNBIAS	46.935	45.137	-1.798
17	30	HDR UNBIAS	46.552	44.769	-1.7826
18	30	HDR UNBIAS	48.09	46.429	-1.6619
19	30	HDR UNBIAS	46.631	44.181	-2.4495
20	30	HDR UNBIAS	46.157	44.589	-1.5678
21	50	HDR BIAS	47.05	44.897	-2.153
22	50	HDR BIAS	46.731	44.662	-2.0693
23	50	HDR BIAS	47.272	45.094	-2.1774
24	50	HDR BIAS	47.101	44.923	-2.1779
25	50	HDR BIAS	47.459	44.689	-2.7696
26	50	HDR UNBIAS	47.344	44.888	-2.4555
27	50	HDR UNBIAS	44.845	42.372	-2.4726
28	50	HDR UNBIAS	46.755	44.287	-2.468
29	50	HDR UNBIAS	47.689	44.692	-2.9971
30	50	HDR UNBIAS	45.824	43.72	-2.1042
41	0	CORRELATION	46.789	45.653	-1.1361
42	0	CORRELATION	47.94	47.539	-0.4005
43	0	CORRELATION	47.781	46.7	-1.0808
45	0	CORRELATION	48.07	47.21	-0.86

Test Statistics (ns)

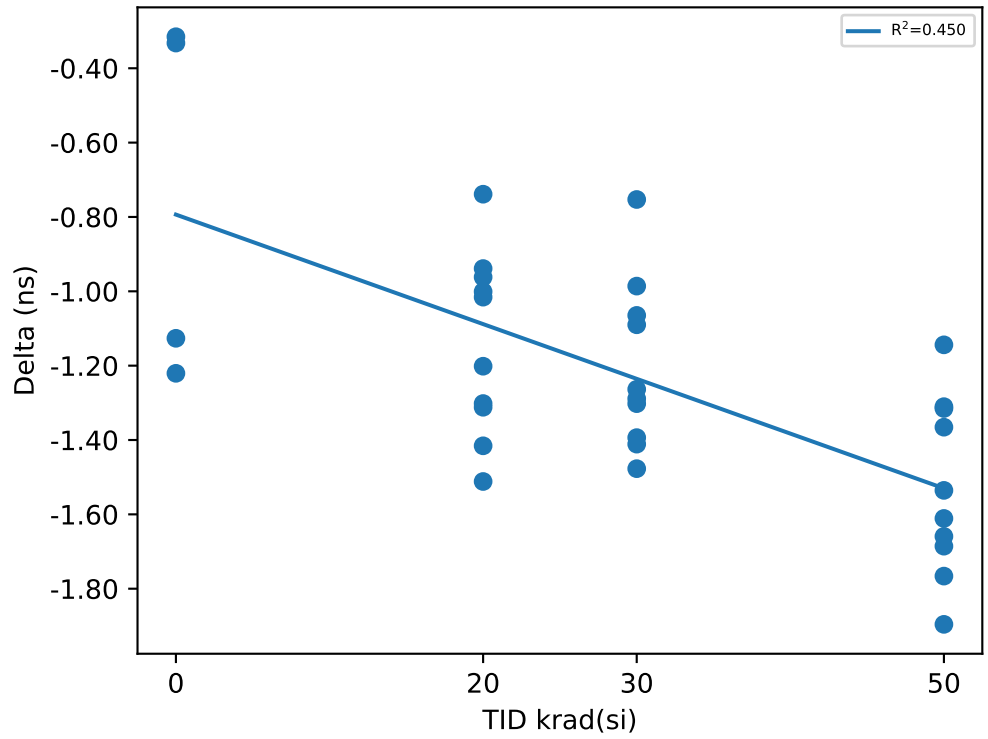
krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	46.789	47.645	48.07	0.58278	45.653	46.775	47.539	0.82432	-1.1361	-0.86935	-0.4005	0.33455
20	44.84	46.703	47.937	0.88804	43.564	45.252	46.591	0.9055	-1.8826	-1.4507	-1.2146	0.21082
30	45.271	46.554	48.09	0.83968	43.523	44.802	46.429	0.88491	-2.4495	-1.7526	-1.5004	0.27579
50	44.845	46.807	47.689	0.86131	42.372	44.422	45.094	0.82058	-2.9971	-2.3845	-2.0693	0.3092

Device Test: 19.11 PWM|DEADTIME/GATE/12/10///0.5MHz/@T_RLH

TID vs Result Stats



TID vs Post - Pre Exposure Delta



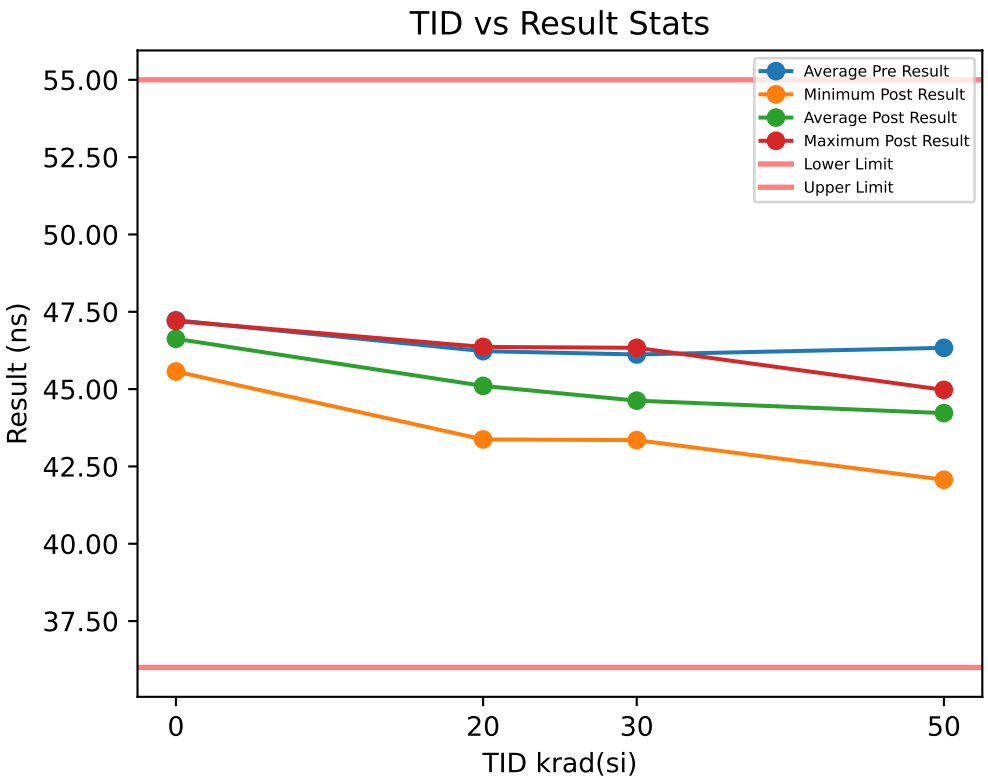
Test Results (Lower Limit = 20.0, Upper Limit = 39.0 (ns))

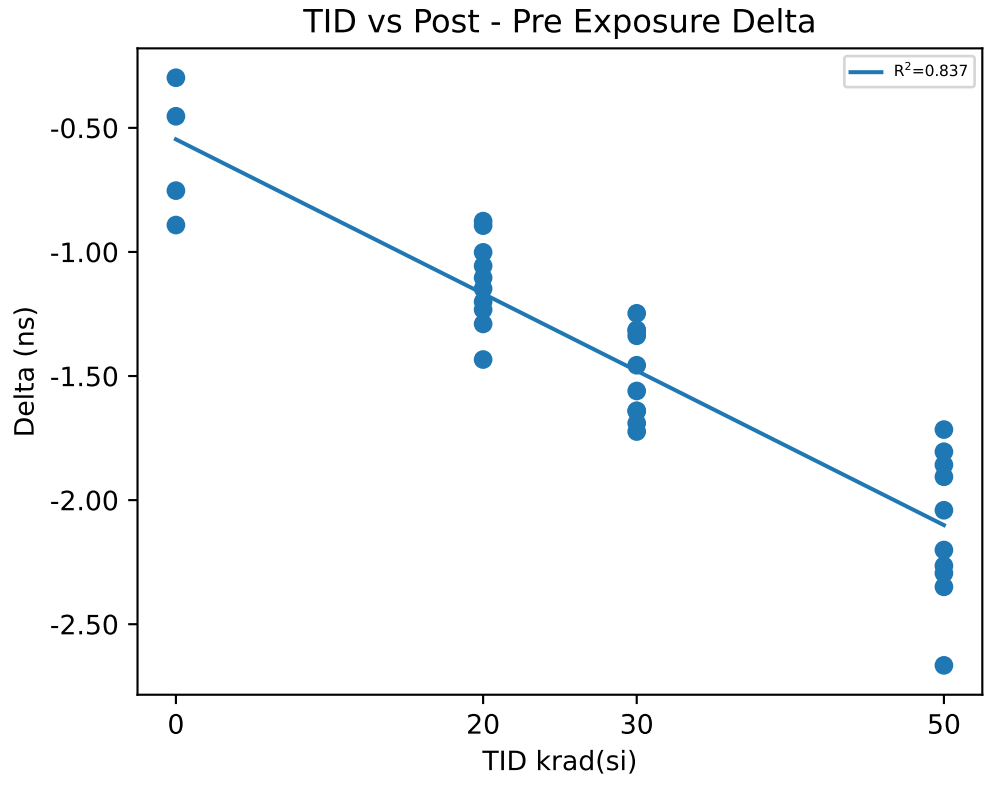
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	20	HDR BIAS	29.429	28.127	-1.3019
2	20	HDR BIAS	29.302	28.287	-1.0157
3	20	HDR BIAS	30.601	29.289	-1.3119
4	20	HDR BIAS	29.899	28.698	-1.2015
5	20	HDR BIAS	29.809	28.394	-1.4156
6	20	HDR UNBIAS	29.031	28.092	-0.9388
7	20	HDR UNBIAS	29.122	27.611	-1.5116
8	20	HDR UNBIAS	29.277	28.316	-0.9618
9	20	HDR UNBIAS	28.62	27.882	-0.7388
10	20	HDR UNBIAS	30.271	29.27	-1.0008
11	30	HDR BIAS	29.468	27.991	-1.4771
12	30	HDR BIAS	29.365	28.101	-1.2636
13	30	HDR BIAS	30.233	28.84	-1.3936
14	30	HDR BIAS	29.607	28.542	-1.0648
15	30	HDR BIAS	29.435	28.133	-1.3022
16	30	HDR UNBIAS	30.383	29.397	-0.986
17	30	HDR UNBIAS	29.434	28.681	-0.753
18	30	HDR UNBIAS	29.661	28.571	-1.09
19	30	HDR UNBIAS	29.464	28.053	-1.4111
20	30	HDR UNBIAS	29.069	27.78	-1.2887
21	50	HDR BIAS	29.27	27.503	-1.7661
22	50	HDR BIAS	30.14	28.529	-1.611
23	50	HDR BIAS	29.811	27.915	-1.8959
24	50	HDR BIAS	29.477	28.166	-1.3103
25	50	HDR BIAS	29.361	27.826	-1.5355
26	50	HDR UNBIAS	30.694	29.035	-1.6593
27	50	HDR UNBIAS	30.199	28.513	-1.6856
28	50	HDR UNBIAS	29.558	28.192	-1.3655
29	50	HDR UNBIAS	28.663	27.519	-1.144
30	50	HDR UNBIAS	30.426	29.111	-1.3152
41	0	CORRELATION	30.771	29.645	-1.1264
42	0	CORRELATION	30.06	29.728	-0.3322
43	0	CORRELATION	33.48	32.259	-1.2206
45	0	CORRELATION	29.717	29.402	-0.3152

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	29.717	31.007	33.48	1.7059	29.402	30.258	32.259	1.3409	-1.2206	-0.7486	-0.3152	0.49219
20	28.62	29.536	30.601	0.60338	27.611	28.396	29.289	0.54932	-1.5116	-1.1398	-0.7388	0.24531
30	29.069	29.612	30.383	0.40053	27.78	28.409	29.397	0.48839	-1.4771	-1.203	-0.753	0.22536
50	28.663	29.76	30.694	0.61262	27.503	28.231	29.111	0.56698	-1.8959	-1.5288	-1.144	0.23749

Device Test: 19.12 PWM|DEADTIME/GATE/12/10///0.5MHz/@T_RHL





Test Results (Lower Limit = 36.0, Upper Limit = 55.0 (ns))

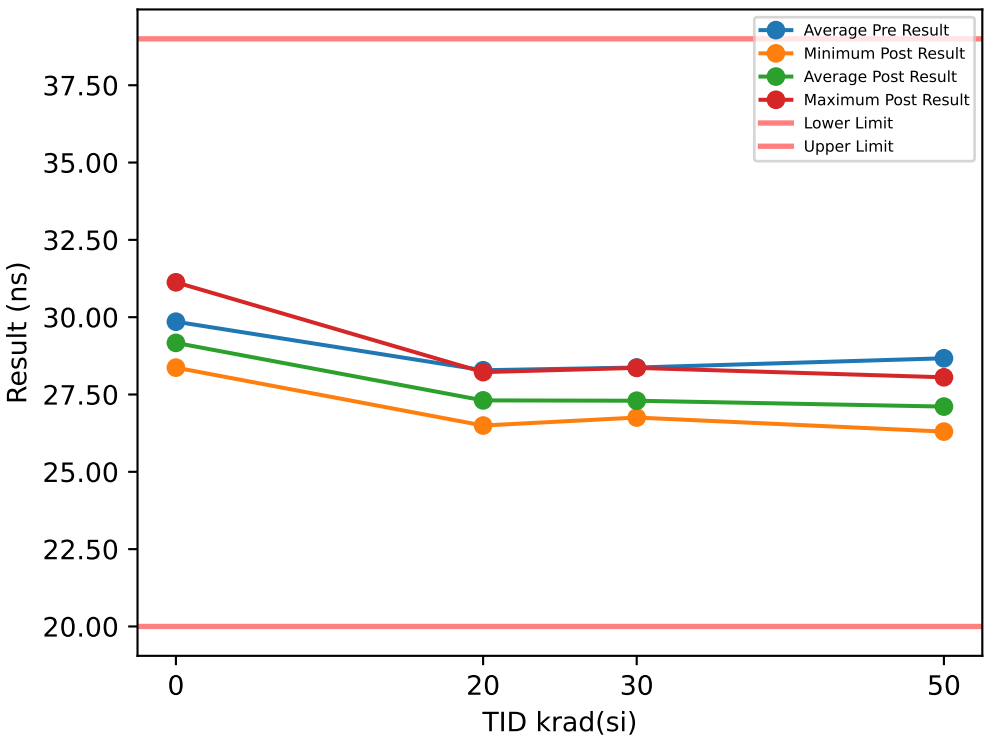
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	20	HDR BIAS	45.406	43.972	-1.4335
2	20	HDR BIAS	44.477	43.373	-1.1039
3	20	HDR BIAS	45.328	44.326	-1.0016
4	20	HDR BIAS	46.383	45.489	-0.894
5	20	HDR BIAS	46.251	45.375	-0.8758
6	20	HDR UNBIAS	46.824	45.624	-1.2006
7	20	HDR UNBIAS	46.723	45.49	-1.2326
8	20	HDR UNBIAS	47.512	46.364	-1.148
9	20	HDR UNBIAS	46.813	45.523	-1.29
10	20	HDR UNBIAS	46.561	45.505	-1.0563
11	30	HDR BIAS	45.04	43.35	-1.69
12	30	HDR BIAS	44.814	43.476	-1.3378
13	30	HDR BIAS	46.766	45.125	-1.6404
14	30	HDR BIAS	46.651	45.404	-1.2473
15	30	HDR BIAS	45.882	44.564	-1.3175
16	30	HDR UNBIAS	46.577	44.937	-1.6407
17	30	HDR UNBIAS	46.362	44.639	-1.7236
18	30	HDR UNBIAS	47.649	46.336	-1.3137
19	30	HDR UNBIAS	45.631	44.071	-1.5602
20	30	HDR UNBIAS	45.824	44.368	-1.4565
21	50	HDR BIAS	46.522	44.717	-1.805
22	50	HDR BIAS	46.24	44.525	-1.7157
23	50	HDR BIAS	47.015	44.974	-2.0408
24	50	HDR BIAS	46.605	44.747	-1.8579
25	50	HDR BIAS	46.815	44.614	-2.201
26	50	HDR UNBIAS	46.908	44.614	-2.2946
27	50	HDR UNBIAS	44.419	42.07	-2.3495
28	50	HDR UNBIAS	46.359	44.094	-2.2647
29	50	HDR UNBIAS	47.143	44.477	-2.6658
30	50	HDR UNBIAS	45.315	43.409	-1.906
41	0	CORRELATION	46.46	45.569	-0.8916
42	0	CORRELATION	47.655	47.202	-0.4533
43	0	CORRELATION	47.307	46.555	-0.7529
45	0	CORRELATION	47.481	47.183	-0.298

Test Statistics (ns)

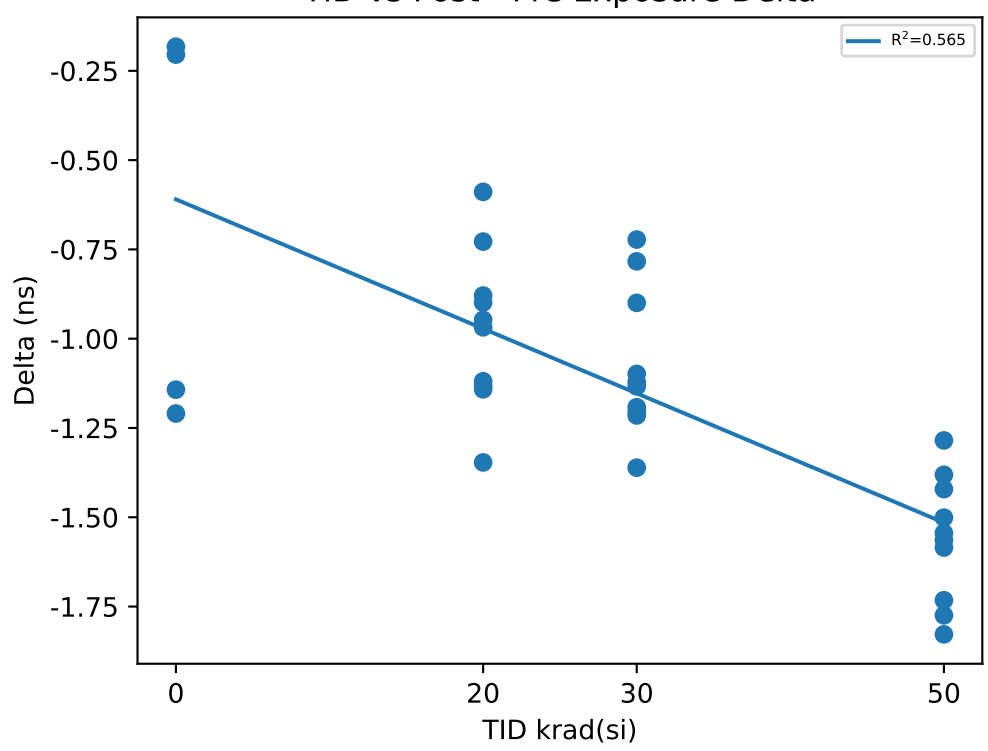
krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	46.46	47.226	47.655	0.52988	45.569	46.627	47.202	0.76705	-0.8916	-0.59895	-0.298	0.2715
20	44.477	46.228	47.512	0.89927	43.373	45.104	46.364	0.90954	-1.4335	-1.1236	-0.8758	0.17514
30	44.814	46.12	47.649	0.85377	43.35	44.627	46.336	0.89454	-1.7236	-1.4928	-1.2473	0.17913
50	44.419	46.334	47.143	0.84998	42.07	44.224	44.974	0.87305	-2.6658	-2.1101	-1.7157	0.29646

Device Test: 19.13 PWM|DEADTIME/GATE/12/10///1MHz/@T_RLH

TID vs Result Stats



TID vs Post - Pre Exposure Delta



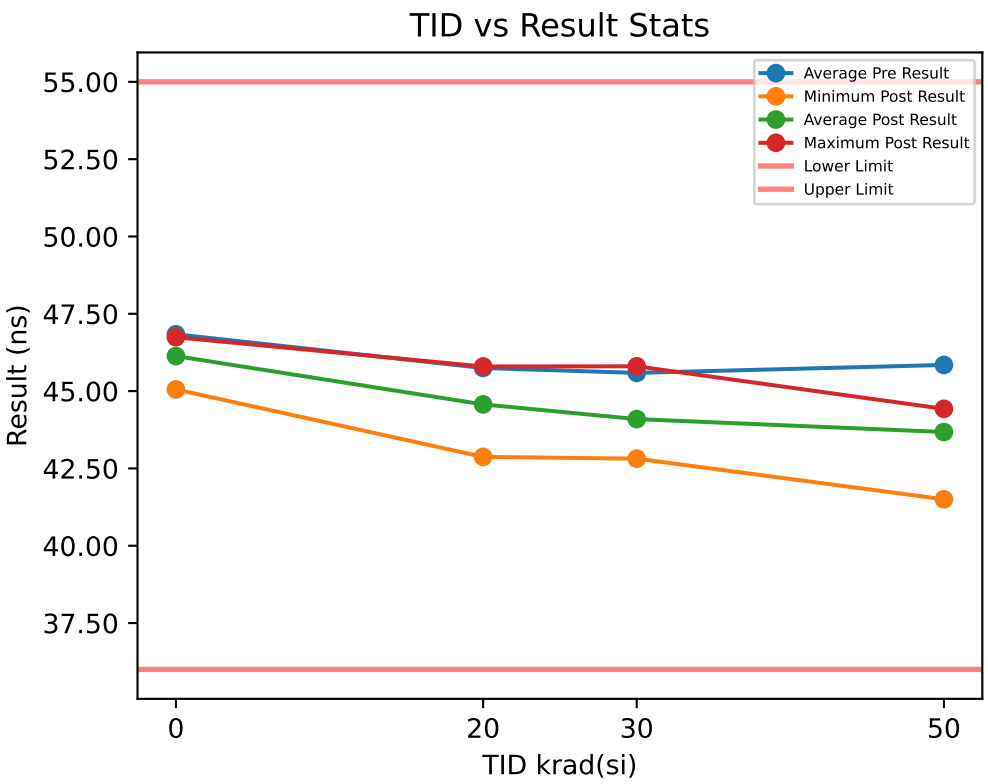
Test Results (Lower Limit = 20.0, Upper Limit = 39.0 (ns))

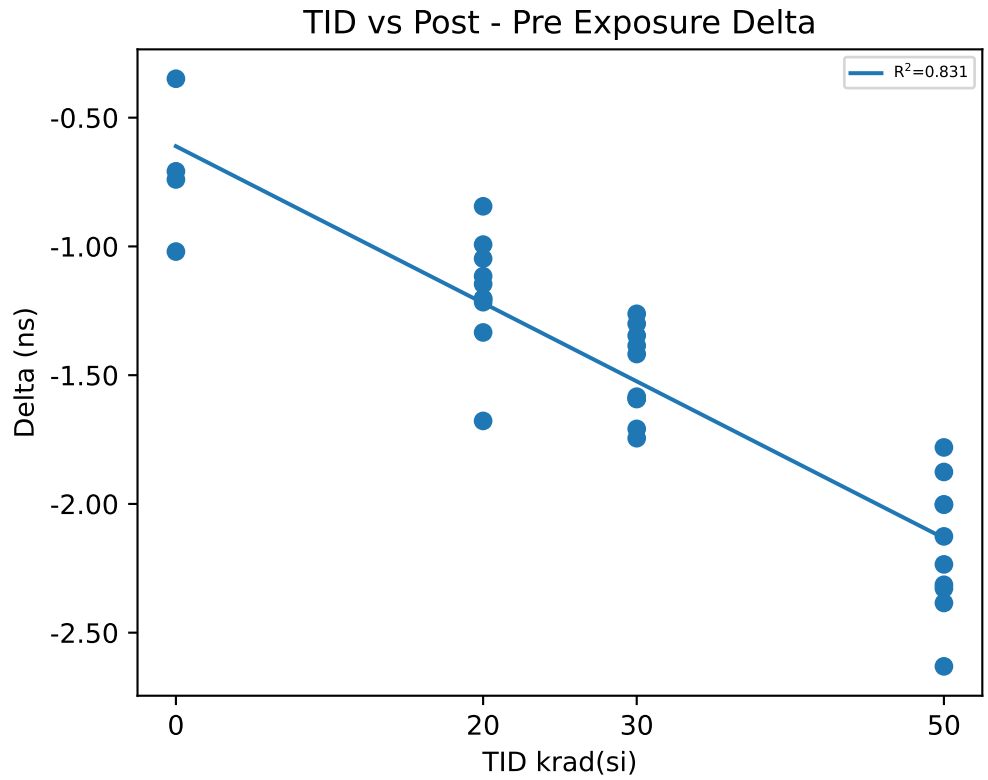
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	20	HDR BIAS	28.153	27.034	-1.1193
2	20	HDR BIAS	28.11	27.163	-0.9473
3	20	HDR BIAS	29.365	28.223	-1.1418
4	20	HDR BIAS	28.784	27.652	-1.1321
5	20	HDR BIAS	28.161	27.262	-0.8987
6	20	HDR UNBIAS	27.837	27.109	-0.7281
7	20	HDR UNBIAS	27.843	26.497	-1.3465
8	20	HDR UNBIAS	28.064	27.185	-0.8792
9	20	HDR UNBIAS	27.347	26.758	-0.5889
10	20	HDR UNBIAS	29.18	28.212	-0.9681
11	30	HDR BIAS	27.622	26.838	-0.7834
12	30	HDR BIAS	28.218	27.003	-1.2149
13	30	HDR BIAS	28.927	27.735	-1.192
14	30	HDR BIAS	28.511	27.412	-1.0987
15	30	HDR BIAS	28.29	26.929	-1.3612
16	30	HDR UNBIAS	29.261	28.361	-0.8997
17	30	HDR UNBIAS	28.746	27.54	-1.2058
18	30	HDR UNBIAS	28.602	27.469	-1.1333
19	30	HDR UNBIAS	27.669	26.947	-0.7224
20	30	HDR UNBIAS	27.877	26.755	-1.1216
21	50	HDR BIAS	28.09	26.358	-1.7323
22	50	HDR BIAS	28.966	27.402	-1.5641
23	50	HDR BIAS	28.589	26.761	-1.8279
24	50	HDR BIAS	28.364	27.079	-1.2849
25	50	HDR BIAS	28.227	26.726	-1.5011
26	50	HDR UNBIAS	29.641	28.056	-1.5847
27	50	HDR UNBIAS	29.13	27.355	-1.7746
28	50	HDR UNBIAS	28.447	27.066	-1.3811
29	50	HDR UNBIAS	27.845	26.3	-1.5443
30	50	HDR UNBIAS	29.412	27.99	-1.4213
41	0	CORRELATION	29.707	28.564	-1.1427
42	0	CORRELATION	28.819	28.615	-0.2045
43	0	CORRELATION	32.337	31.128	-1.2095
45	0	CORRELATION	28.552	28.369	-0.1825

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	28.552	29.854	32.337	1.7278	28.369	29.169	31.128	1.3102	-1.2095	-0.6848	-0.1825	0.56803
20	27.347	28.284	29.365	0.6329	26.497	27.309	28.223	0.56639	-1.3465	-0.975	-0.5889	0.2204
30	27.622	28.372	29.261	0.54183	26.755	27.299	28.361	0.50271	-1.3612	-1.0733	-0.7224	0.20507
50	27.845	28.671	29.641	0.59193	26.3	27.11	28.056	0.6062	-1.8279	-1.5616	-1.2849	0.17599

Device Test: 19.14 PWM|DEADTIME/GATE/12/10///1MHz/@T_RHL





Test Results (Lower Limit = 36.0, Upper Limit = 55.0 (ns))

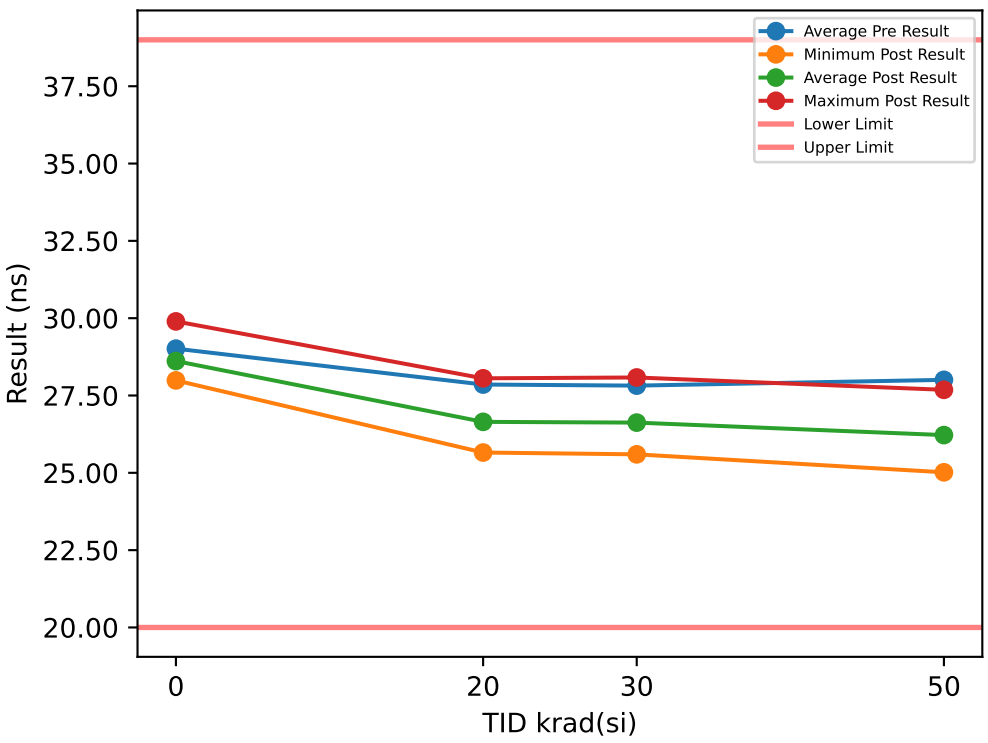
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	20	HDR BIAS	45.188	43.511	-1.6777
2	20	HDR BIAS	44.02	42.873	-1.1462
3	20	HDR BIAS	44.868	43.821	-1.0473
4	20	HDR BIAS	45.955	44.962	-0.9929
5	20	HDR BIAS	45.741	44.897	-0.8442
6	20	HDR UNBIAS	46.377	45.043	-1.3341
7	20	HDR UNBIAS	46.072	44.87	-1.2027
8	20	HDR UNBIAS	46.999	45.796	-1.2032
9	20	HDR UNBIAS	46.19	44.974	-1.2166
10	20	HDR UNBIAS	46.07	44.955	-1.1157
11	30	HDR BIAS	44.409	42.816	-1.5927
12	30	HDR BIAS	44.352	42.967	-1.3855
13	30	HDR BIAS	46.331	44.587	-1.7448
14	30	HDR BIAS	46.171	44.87	-1.3002
15	30	HDR BIAS	45.282	44.02	-1.2617
16	30	HDR UNBIAS	46.094	44.385	-1.7086
17	30	HDR UNBIAS	45.731	44.14	-1.5915
18	30	HDR UNBIAS	47.149	45.802	-1.3464
19	30	HDR UNBIAS	45.073	43.489	-1.5836
20	30	HDR UNBIAS	45.294	43.876	-1.4179
21	50	HDR BIAS	46.394	44.159	-2.2348
22	50	HDR BIAS	45.778	43.997	-1.7806
23	50	HDR BIAS	46.429	44.427	-2.002
24	50	HDR BIAS	46.099	44.223	-1.8759
25	50	HDR BIAS	46.182	44.056	-2.1261
26	50	HDR UNBIAS	46.438	44.11	-2.3283
27	50	HDR UNBIAS	43.817	41.503	-2.314
28	50	HDR UNBIAS	45.885	43.501	-2.3846
29	50	HDR UNBIAS	46.574	43.943	-2.6308
30	50	HDR UNBIAS	44.86	42.857	-2.0027
41	0	CORRELATION	46.074	45.054	-1.02
42	0	CORRELATION	46.981	46.632	-0.3488
43	0	CORRELATION	46.844	46.104	-0.74
45	0	CORRELATION	47.451	46.743	-0.7083

Test Statistics (ns)

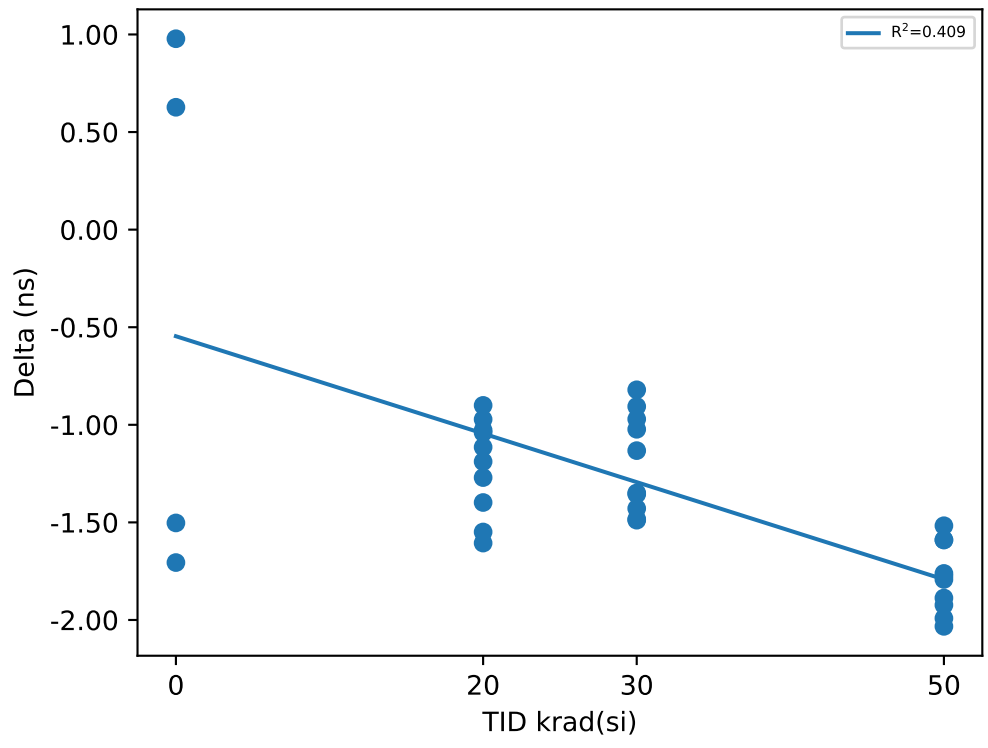
krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	46.074	46.837	47.451	0.57142	45.054	46.133	46.743	0.77142	-1.02	-0.70427	-0.3488	0.27528
20	44.02	45.748	46.999	0.84867	42.873	44.57	45.796	0.87868	-1.6777	-1.1781	-0.8442	0.22223
30	44.352	45.588	47.149	0.87981	42.816	44.095	45.802	0.8927	-1.7448	-1.4933	-1.2617	0.17227
50	43.817	45.845	46.574	0.86881	41.503	43.677	44.427	0.88363	-2.6308	-2.168	-1.7806	0.25919

Device Test: 19.15 PWM|DEADTIME/GATE/12/10///2MHz/@T_RLH

TID vs Result Stats



TID vs Post - Pre Exposure Delta



Test Results (Lower Limit = 20.0, Upper Limit = 39.0 (ns))

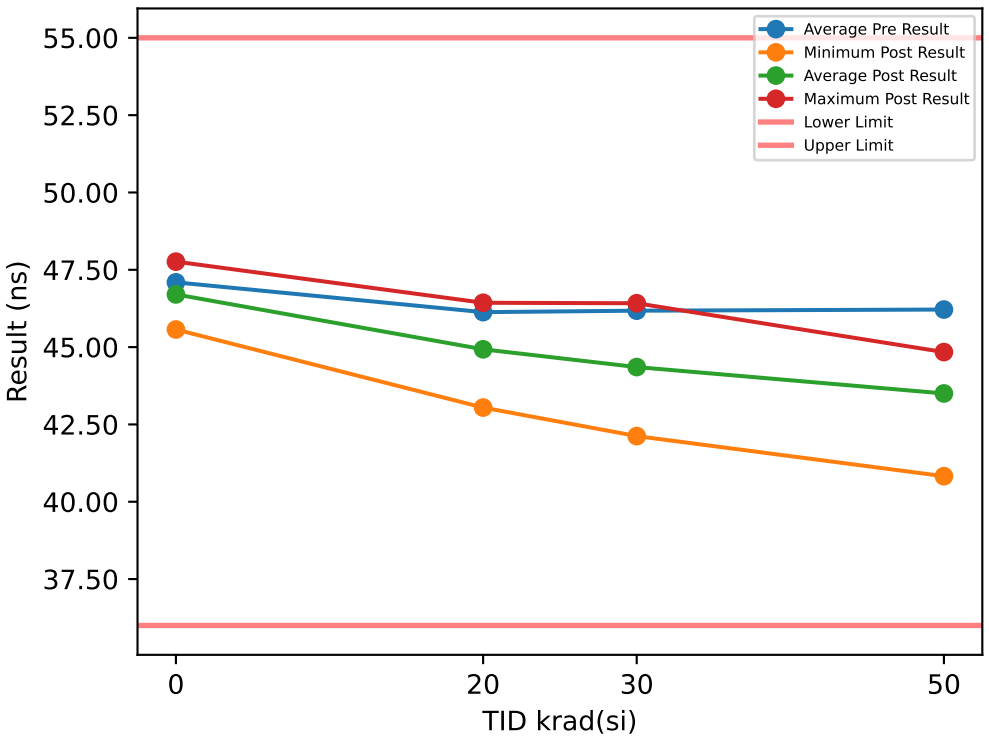
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	20	HDR BIAS	26.926	25.656	-1.2704
2	20	HDR BIAS	27.348	26.32	-1.0273
3	20	HDR BIAS	28.69	27.292	-1.3981
4	20	HDR BIAS	29.023	27.835	-1.1885
5	20	HDR BIAS	27.883	26.334	-1.5492
6	20	HDR UNBIAS	27.622	26.721	-0.9005
7	20	HDR UNBIAS	27.461	25.855	-1.606
8	20	HDR UNBIAS	27.58	26.465	-1.1145
9	20	HDR UNBIAS	26.984	25.943	-1.0403
10	20	HDR UNBIAS	29.028	28.056	-0.9722
11	30	HDR BIAS	27.086	25.598	-1.4887
12	30	HDR BIAS	28.23	26.801	-1.4287
13	30	HDR BIAS	28.046	26.562	-1.4832
14	30	HDR BIAS	27.669	26.646	-1.023
15	30	HDR BIAS	27.245	25.896	-1.3491
16	30	HDR UNBIAS	29.054	28.083	-0.9708
17	30	HDR UNBIAS	27.584	26.678	-0.9062
18	30	HDR UNBIAS	28.494	27.138	-1.3554
19	30	HDR UNBIAS	26.954	26.134	-0.8206
20	30	HDR UNBIAS	27.833	26.7	-1.1323
21	50	HDR BIAS	27.282	25.249	-2.0327
22	50	HDR BIAS	29.143	27.351	-1.7923
23	50	HDR BIAS	27.371	25.38	-1.9913
24	50	HDR BIAS	27.724	26.207	-1.5171
25	50	HDR BIAS	27.183	25.408	-1.7753
26	50	HDR UNBIAS	29.366	27.604	-1.7615
27	50	HDR UNBIAS	27.945	26.057	-1.8875
28	50	HDR UNBIAS	27.831	26.241	-1.5902
29	50	HDR UNBIAS	26.94	25.017	-1.9235
30	50	HDR UNBIAS	29.273	27.684	-1.5894
41	0	CORRELATION	29.694	27.988	-1.7058
42	0	CORRELATION	27.239	28.218	0.9781
43	0	CORRELATION	31.399	29.896	-1.5028
45	0	CORRELATION	27.725	28.352	0.627

Test Statistics (ns)

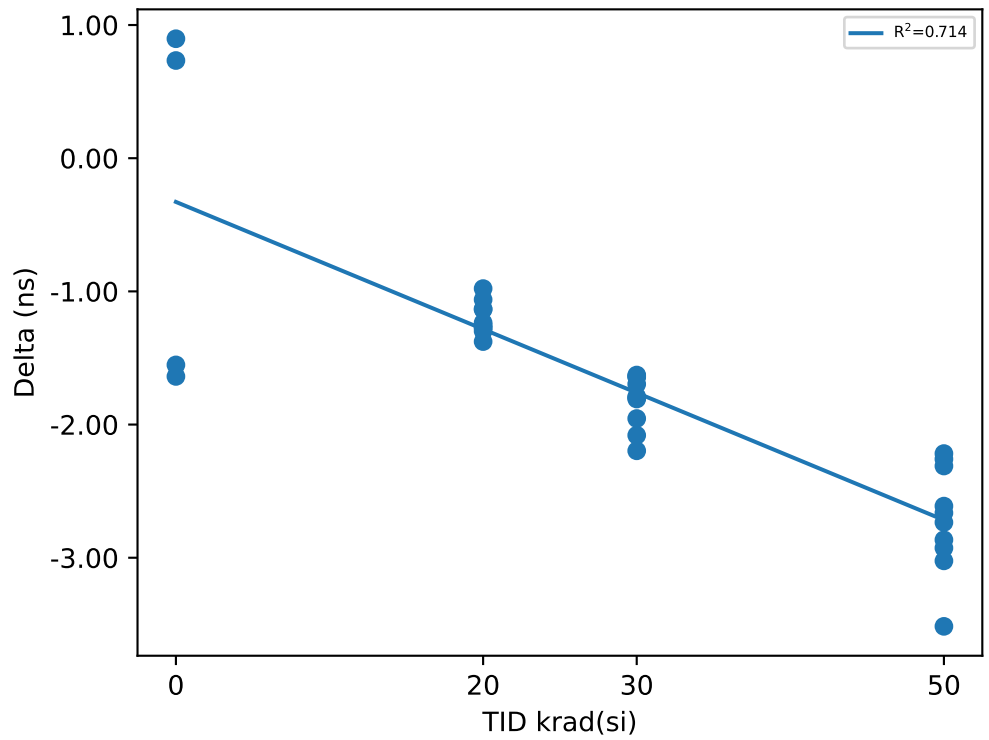
krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	27.239	29.014	31.399	1.9114	27.988	28.614	29.896	0.86809	-1.7058	-0.40088	0.9781	1.3994
20	26.926	27.854	29.028	0.78911	25.656	26.648	28.056	0.82732	-1.606	-1.2067	-0.9005	0.24379
30	26.954	27.82	29.054	0.65748	25.598	26.624	28.083	0.68803	-1.4887	-1.1958	-0.8206	0.25403
50	26.94	28.006	29.366	0.91912	25.017	26.22	27.684	1.0067	-2.0327	-1.7861	-1.5171	0.1771

Device Test: 19.16 PWM|DEADTIME/GATE/12/10///2MHz/@T_RHL

TID vs Result Stats



TID vs Post - Pre Exposure Delta



Test Results (Lower Limit = 36.0, Upper Limit = 55.0 (ns))

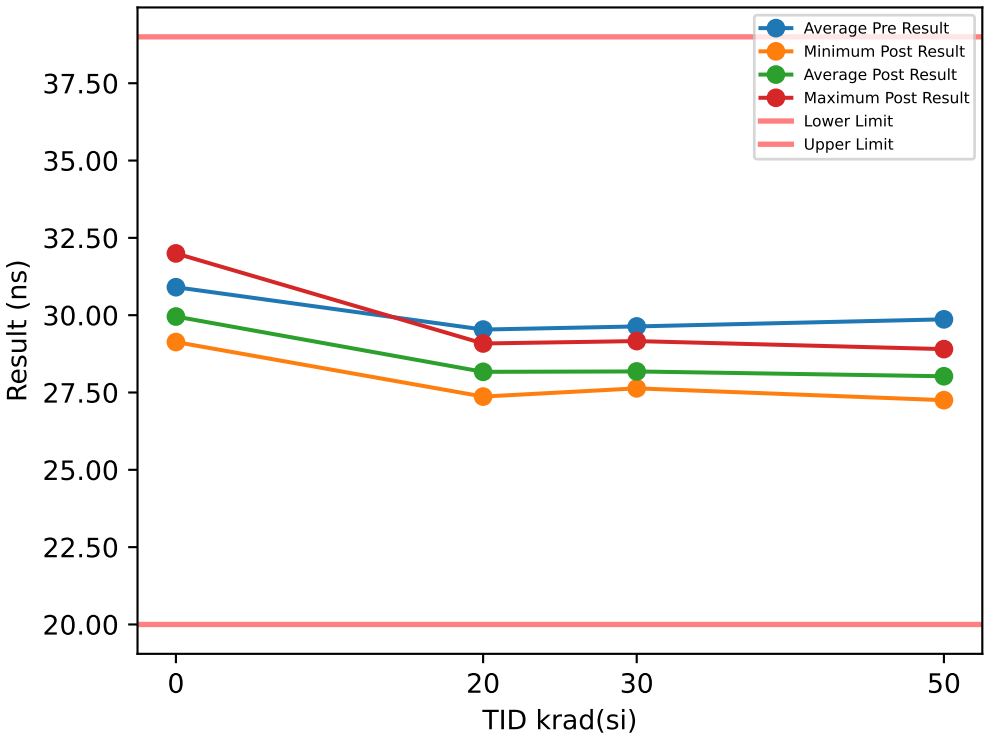
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	20	HDR BIAS	44.297	43.045	-1.2515
2	20	HDR BIAS	44.231	43.169	-1.0618
3	20	HDR BIAS	44.888	43.653	-1.235
4	20	HDR BIAS	47.137	46.158	-0.979
5	20	HDR BIAS	45.973	44.837	-1.136
6	20	HDR UNBIAS	46.807	45.43	-1.3769
7	20	HDR UNBIAS	46.598	45.3	-1.2979
8	20	HDR UNBIAS	47.705	46.434	-1.2717
9	20	HDR UNBIAS	46.399	45.127	-1.272
10	20	HDR UNBIAS	47.269	46.137	-1.1317
11	30	HDR BIAS	44.078	42.123	-1.9546
12	30	HDR BIAS	45.414	43.718	-1.6963
13	30	HDR BIAS	46.159	44.078	-2.0806
14	30	HDR BIAS	46.794	45.166	-1.6281
15	30	HDR BIAS	45.773	44.128	-1.6442
16	30	HDR UNBIAS	47.121	45.313	-1.8082
17	30	HDR UNBIAS	46.173	43.976	-2.197
18	30	HDR UNBIAS	48.208	46.418	-1.7893
19	30	HDR UNBIAS	45.359	43.561	-1.7985
20	30	HDR UNBIAS	46.7	45.064	-1.6364
21	50	HDR BIAS	46.115	43.503	-2.6123
22	50	HDR BIAS	47.098	44.839	-2.259
23	50	HDR BIAS	46.087	43.423	-2.6637
24	50	HDR BIAS	46.566	44.255	-2.3112
25	50	HDR BIAS	46.103	43.238	-2.8653
26	50	HDR UNBIAS	47.665	44.738	-2.9267
27	50	HDR UNBIAS	43.849	40.826	-3.0234
28	50	HDR UNBIAS	46.482	43.747	-2.7347
29	50	HDR UNBIAS	46.632	43.117	-3.5152
30	50	HDR UNBIAS	45.548	43.331	-2.2177
41	0	CORRELATION	47.208	45.569	-1.6386
42	0	CORRELATION	46.867	47.764	0.897
43	0	CORRELATION	47.292	45.74	-1.5521
45	0	CORRELATION	47.009	47.743	0.7335

Test Statistics (ns)

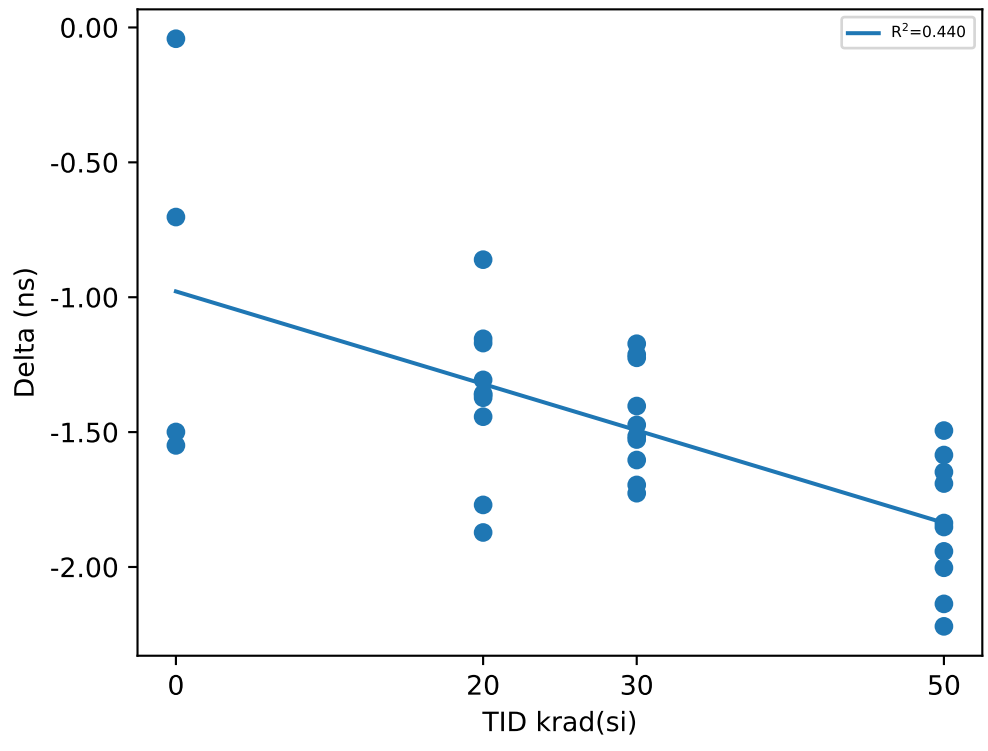
krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	46.867	47.094	47.292	0.19238	45.569	46.704	47.764	1.2136	-1.6386	-0.39005	0.897	1.3938
20	44.231	46.13	47.705	1.2507	43.045	44.929	46.434	1.2448	-1.3769	-1.2013	-0.979	0.121
30	44.078	46.178	48.208	1.1299	42.123	44.354	46.418	1.1844	-2.197	-1.8233	-1.6281	0.19617
50	43.849	46.215	47.665	1.0182	40.826	43.502	44.839	1.1234	-3.5152	-2.7129	-2.2177	0.39926

Device Test: 19.17 PWM|DEADTIME/GATE/14/14///0MHz/@T_RLH

TID vs Result Stats



TID vs Post - Pre Exposure Delta



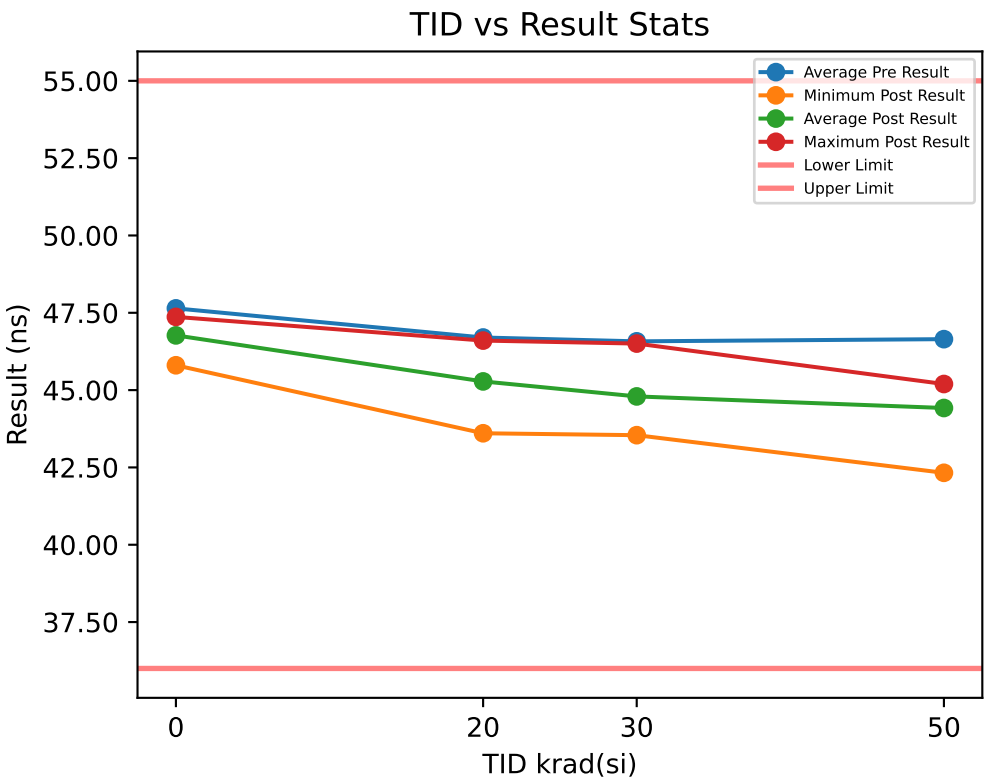
Test Results (Lower Limit = 20.0, Upper Limit = 39.0 (ns))

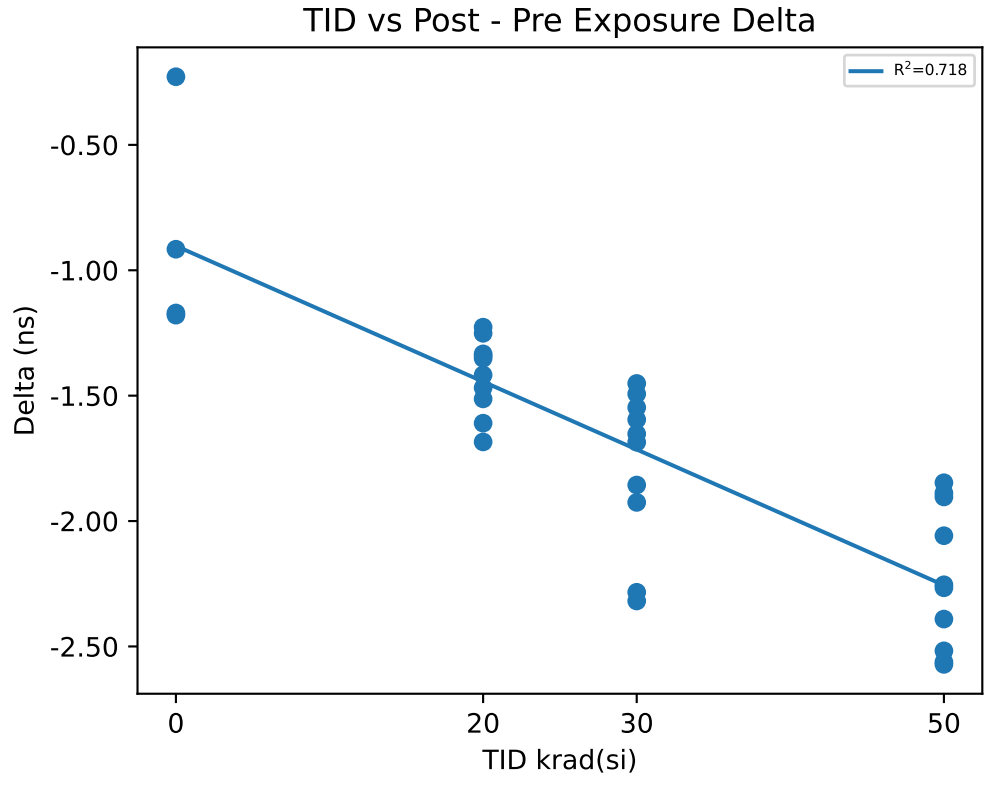
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	20	HDR BIAS	29.302	27.929	-1.3725
2	20	HDR BIAS	29.409	28.047	-1.3617
3	20	HDR BIAS	30.923	29.051	-1.8721
4	20	HDR BIAS	29.899	28.456	-1.4429
5	20	HDR BIAS	29.316	28.146	-1.17
6	20	HDR UNBIAS	29.058	27.904	-1.1541
7	20	HDR UNBIAS	29.138	27.368	-1.7699
8	20	HDR UNBIAS	29.401	28.043	-1.3579
9	20	HDR UNBIAS	28.518	27.657	-0.8608
10	20	HDR UNBIAS	30.392	29.085	-1.3064
11	30	HDR BIAS	28.939	27.767	-1.1724
12	30	HDR BIAS	29.384	27.869	-1.515
13	30	HDR BIAS	30.148	28.62	-1.5276
14	30	HDR BIAS	29.569	28.345	-1.2246
15	30	HDR BIAS	29.47	27.866	-1.6035
16	30	HDR UNBIAS	30.375	29.163	-1.2124
17	30	HDR UNBIAS	30.055	28.359	-1.6958
18	30	HDR UNBIAS	29.812	28.409	-1.4034
19	30	HDR UNBIAS	29.504	27.777	-1.7265
20	30	HDR UNBIAS	29.108	27.634	-1.4733
21	50	HDR BIAS	28.828	27.333	-1.4943
22	50	HDR BIAS	30.155	28.318	-1.837
23	50	HDR BIAS	29.796	27.66	-2.1368
24	50	HDR BIAS	29.554	27.969	-1.585
25	50	HDR BIAS	29.612	27.67	-1.9421
26	50	HDR UNBIAS	30.754	28.902	-1.8518
27	50	HDR UNBIAS	30.52	28.3	-2.2201
28	50	HDR UNBIAS	29.591	27.943	-1.648
29	50	HDR UNBIAS	29.255	27.252	-2.0029
30	50	HDR UNBIAS	30.594	28.903	-1.6907
41	0	CORRELATION	30.805	29.306	-1.4995
42	0	CORRELATION	29.433	29.391	-0.0418
43	0	CORRELATION	33.547	31.997	-1.5493
45	0	CORRELATION	29.835	29.132	-0.7028

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	29.433	30.905	33.547	1.8531	29.132	29.956	31.997	1.3648	-1.5493	-0.94835	-0.0418	0.71811
20	28.518	29.535	30.923	0.69514	27.368	28.168	29.085	0.55402	-1.8721	-1.3668	-0.8608	0.29201
30	28.939	29.636	30.375	0.45852	27.634	28.181	29.163	0.48265	-1.7265	-1.4555	-1.1724	0.19928
50	28.828	29.866	30.754	0.62561	27.252	28.025	28.903	0.58181	-2.2201	-1.8409	-1.4943	0.23883

Device Test: 19.18 PWM|DEADTIME/GATE/14/14///0MHz/@T_RHL





Test Results (Lower Limit = 36.0, Upper Limit = 55.0 (ns))

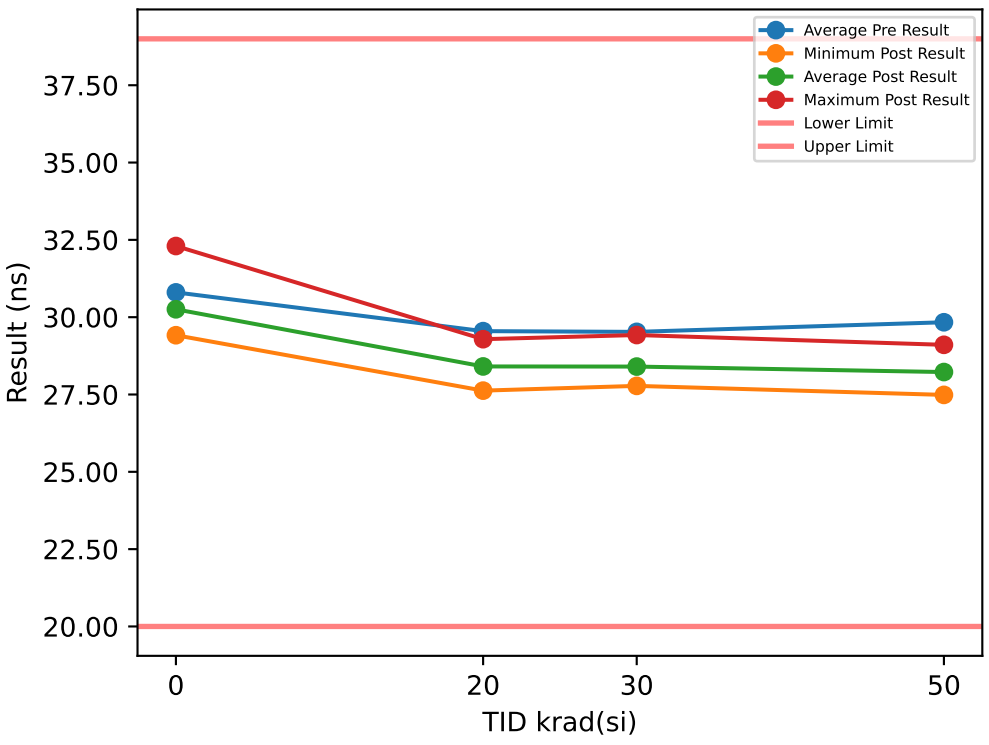
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	20	HDR BIAS	45.764	44.251	-1.5129
2	20	HDR BIAS	44.831	43.605	-1.2269
3	20	HDR BIAS	45.812	44.461	-1.351
4	20	HDR BIAS	46.876	45.625	-1.2514
5	20	HDR BIAS	47.132	45.448	-1.6845
6	20	HDR UNBIAS	47.353	45.744	-1.6097
7	20	HDR UNBIAS	47.24	45.771	-1.4684
8	20	HDR UNBIAS	47.942	46.602	-1.3406
9	20	HDR UNBIAS	47.026	45.693	-1.3334
10	20	HDR UNBIAS	47.03	45.613	-1.4174
11	30	HDR BIAS	45.468	43.543	-1.9256
12	30	HDR BIAS	45.178	43.631	-1.547
13	30	HDR BIAS	47.569	45.285	-2.284
14	30	HDR BIAS	47.171	45.576	-1.5953
15	30	HDR BIAS	46.185	44.734	-1.4514
16	30	HDR UNBIAS	46.974	45.118	-1.8563
17	30	HDR UNBIAS	47.011	44.692	-2.3187
18	30	HDR UNBIAS	48.157	46.505	-1.6525
19	30	HDR UNBIAS	45.799	44.306	-1.4929
20	30	HDR UNBIAS	46.257	44.572	-1.6856
21	50	HDR BIAS	46.855	44.797	-2.0584
22	50	HDR BIAS	46.611	44.707	-1.9039
23	50	HDR BIAS	47.085	45.197	-1.8879
24	50	HDR BIAS	47.09	44.836	-2.2541
25	50	HDR BIAS	46.718	44.87	-1.8472
26	50	HDR UNBIAS	47.401	44.829	-2.5714
27	50	HDR UNBIAS	44.843	42.326	-2.5175
28	50	HDR UNBIAS	46.883	44.321	-2.5618
29	50	HDR UNBIAS	47.103	44.712	-2.3908
30	50	HDR UNBIAS	45.887	43.621	-2.2661
41	0	CORRELATION	46.973	45.803	-1.1703
42	0	CORRELATION	47.596	47.367	-0.2283
43	0	CORRELATION	47.826	46.647	-1.179
45	0	CORRELATION	48.177	47.261	-0.9161

Test Statistics (ns)

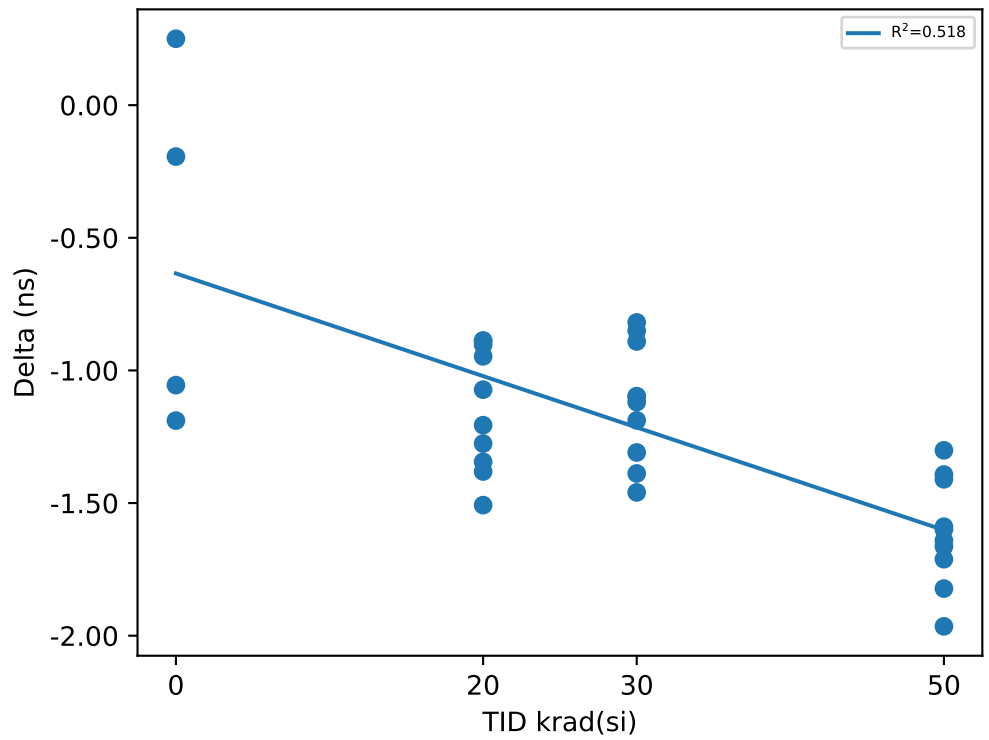
krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	46.973	47.643	48.177	0.50632	45.803	46.769	47.367	0.71823	-1.179	-0.87343	-0.2283	0.44703
20	44.831	46.701	47.942	0.93395	43.605	45.281	46.602	0.89239	-1.6845	-1.4196	-1.2269	0.14952
30	45.178	46.577	48.157	0.95613	43.543	44.796	46.505	0.88843	-2.3187	-1.7809	-1.4514	0.31184
50	44.843	46.648	47.401	0.75273	42.326	44.422	45.197	0.84924	-2.5714	-2.2259	-1.8472	0.28601

Device Test: 19.19 PWM|DEADTIME/GATE/14/14///0.5MHz/@T_RLH

TID vs Result Stats



TID vs Post - Pre Exposure Delta



Test Results (Lower Limit = 20.0, Upper Limit = 39.0 (ns))

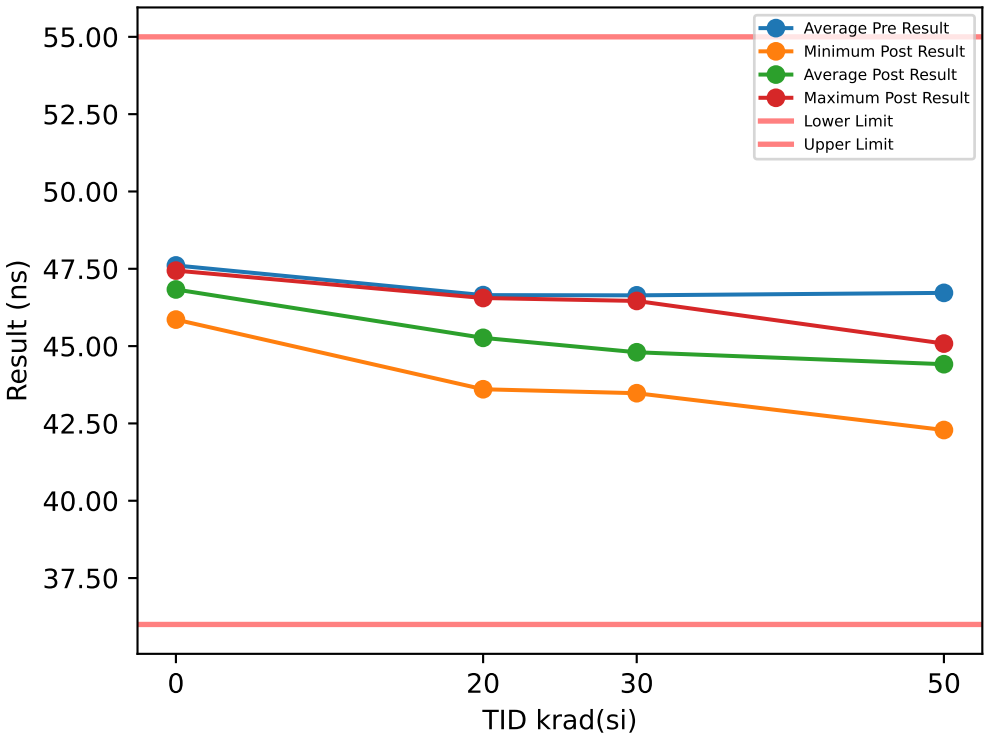
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	20	HDR BIAS	29.437	28.162	-1.2757
2	20	HDR BIAS	29.27	28.323	-0.947
3	20	HDR BIAS	30.661	29.28	-1.3811
4	20	HDR BIAS	29.898	28.691	-1.2064
5	20	HDR BIAS	29.911	28.404	-1.5078
6	20	HDR UNBIAS	29.027	28.137	-0.8897
7	20	HDR UNBIAS	28.529	27.625	-0.9035
8	20	HDR UNBIAS	29.189	28.302	-0.8869
9	20	HDR UNBIAS	29.205	27.86	-1.3444
10	20	HDR UNBIAS	30.361	29.288	-1.0725
11	30	HDR BIAS	29.073	27.975	-1.0984
12	30	HDR BIAS	29.301	28.113	-1.1883
13	30	HDR BIAS	30.219	28.831	-1.3884
14	30	HDR BIAS	29.613	28.516	-1.0971
15	30	HDR BIAS	29.015	28.124	-0.8909
16	30	HDR UNBIAS	30.273	29.423	-0.8504
17	30	HDR UNBIAS	29.49	28.671	-0.819
18	30	HDR UNBIAS	29.693	28.574	-1.1195
19	30	HDR UNBIAS	29.485	28.026	-1.4598
20	30	HDR UNBIAS	29.088	27.779	-1.3093
21	50	HDR BIAS	29.321	27.498	-1.8224
22	50	HDR BIAS	30.118	28.529	-1.5891
23	50	HDR BIAS	29.835	27.87	-1.9648
24	50	HDR BIAS	29.481	28.18	-1.3011
25	50	HDR BIAS	29.483	27.883	-1.5994
26	50	HDR UNBIAS	30.72	29.056	-1.6638
27	50	HDR UNBIAS	30.199	28.488	-1.7116
28	50	HDR UNBIAS	29.555	28.163	-1.3924
29	50	HDR UNBIAS	29.128	27.487	-1.641
30	50	HDR UNBIAS	30.517	29.106	-1.4104
41	0	CORRELATION	30.796	29.607	-1.1891
42	0	CORRELATION	29.445	29.696	0.2504
43	0	CORRELATION	33.356	32.301	-1.0554
45	0	CORRELATION	29.61	29.417	-0.1938

Test Statistics (ns)

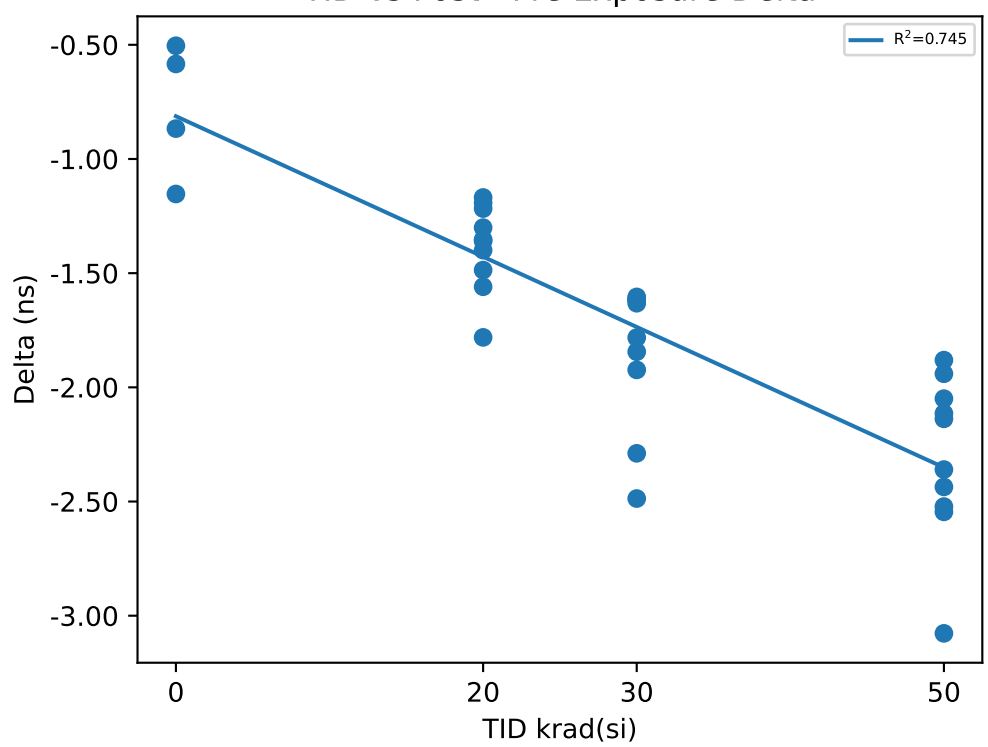
krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	29.445	30.802	33.356	1.806	29.417	30.255	32.301	1.3689	-1.1891	-0.54697	0.2504	0.69074
20	28.529	29.549	30.661	0.64996	27.625	28.407	29.288	0.54586	-1.5078	-1.1415	-0.8869	0.23152
30	29.015	29.525	30.273	0.44551	27.779	28.403	29.423	0.49604	-1.4598	-1.1221	-0.819	0.22229
50	29.128	29.836	30.72	0.5325	27.487	28.226	29.106	0.57246	-1.9648	-1.6096	-1.3011	0.2023

Device Test: 19.2 PWM|DEADTIME/GATE/10/8///0MHz/@T_RHL

TID vs Result Stats



TID vs Post - Pre Exposure Delta



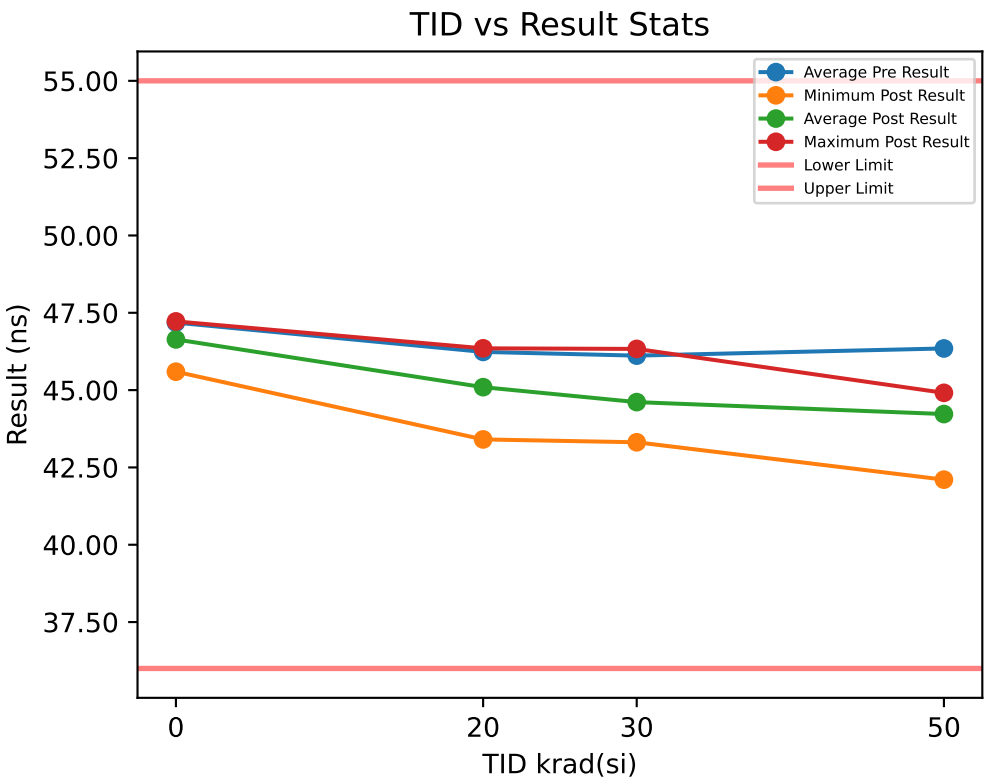
Test Results (Lower Limit = 36.0, Upper Limit = 55.0 (ns))

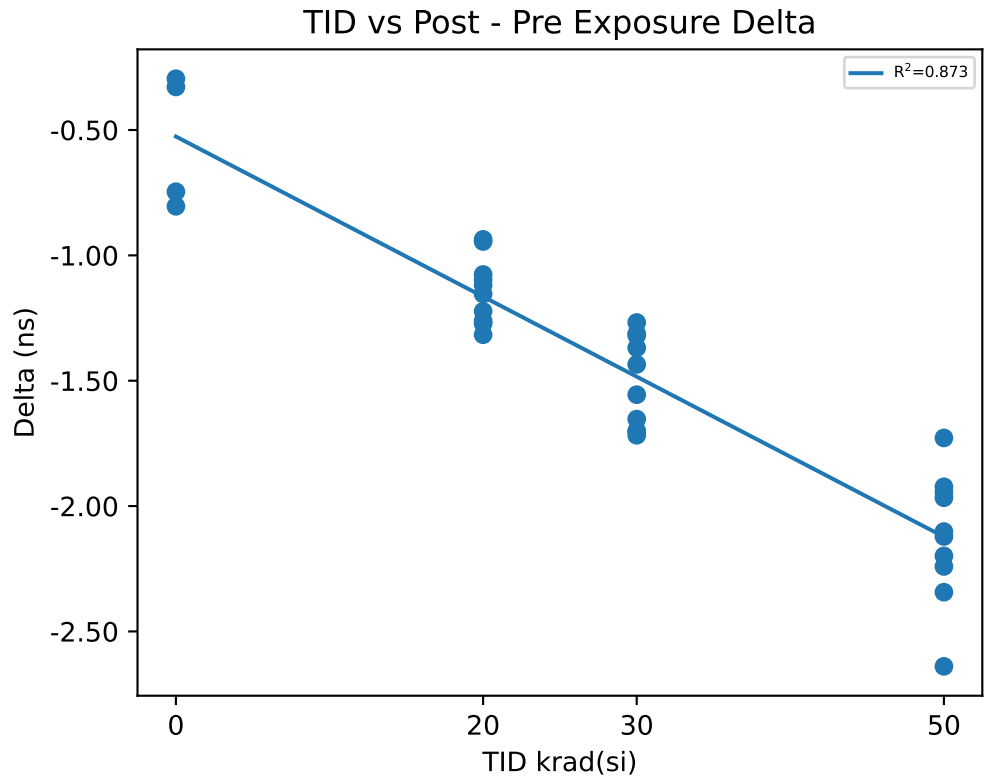
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	20	HDR BIAS	45.36	44.191	-1.1686
2	20	HDR BIAS	44.822	43.605	-1.2172
3	20	HDR BIAS	45.69	44.497	-1.1929
4	20	HDR BIAS	46.924	45.565	-1.3594
5	20	HDR BIAS	46.805	45.505	-1.3006
6	20	HDR UNBIAS	47.194	45.635	-1.5595
7	20	HDR UNBIAS	47.171	45.685	-1.4864
8	20	HDR UNBIAS	47.908	46.555	-1.3527
9	20	HDR UNBIAS	47.53	45.749	-1.7812
10	20	HDR UNBIAS	47.085	45.686	-1.3992
11	30	HDR BIAS	45.259	43.477	-1.7823
12	30	HDR BIAS	45.26	43.64	-1.6192
13	30	HDR BIAS	47.772	45.285	-2.4869
14	30	HDR BIAS	47.136	45.532	-1.604
15	30	HDR BIAS	47.05	44.761	-2.2889
16	30	HDR UNBIAS	47.004	45.16	-1.844
17	30	HDR UNBIAS	46.451	44.839	-1.6125
18	30	HDR UNBIAS	48.092	46.46	-1.6317
19	30	HDR UNBIAS	46.172	44.248	-1.9236
20	30	HDR UNBIAS	46.222	44.607	-1.6154
21	50	HDR BIAS	46.728	44.788	-1.9404
22	50	HDR BIAS	46.706	44.657	-2.0495
23	50	HDR BIAS	47.442	45.082	-2.36
24	50	HDR BIAS	47.014	44.9	-2.1142
25	50	HDR BIAS	46.707	44.826	-1.8808
26	50	HDR UNBIAS	47.392	44.87	-2.5221
27	50	HDR UNBIAS	44.832	42.287	-2.5453
28	50	HDR UNBIAS	46.827	44.391	-2.4361
29	50	HDR UNBIAS	47.804	44.727	-3.0773
30	50	HDR UNBIAS	45.761	43.623	-2.138
41	0	CORRELATION	46.725	45.858	-0.8669
42	0	CORRELATION	47.946	47.441	-0.5041
43	0	CORRELATION	47.848	46.695	-1.1533
45	0	CORRELATION	47.916	47.332	-0.5839

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	46.725	47.609	47.946	0.59075	45.858	46.832	47.441	0.72799	-1.1533	-0.77705	-0.5041	0.29521
20	44.822	46.649	47.908	1.0077	43.605	45.267	46.555	0.88405	-1.7812	-1.3818	-1.1686	0.18812
30	45.259	46.642	48.092	0.95319	43.477	44.801	46.46	0.88799	-2.4869	-1.8409	-1.604	0.31276
50	44.832	46.721	47.804	0.8647	42.287	44.415	45.082	0.85028	-3.0773	-2.3064	-1.8808	0.35962

Device Test: 19.20 PWM|DEADTIME/GATE/14/14///0.5MHz/@T_RHL





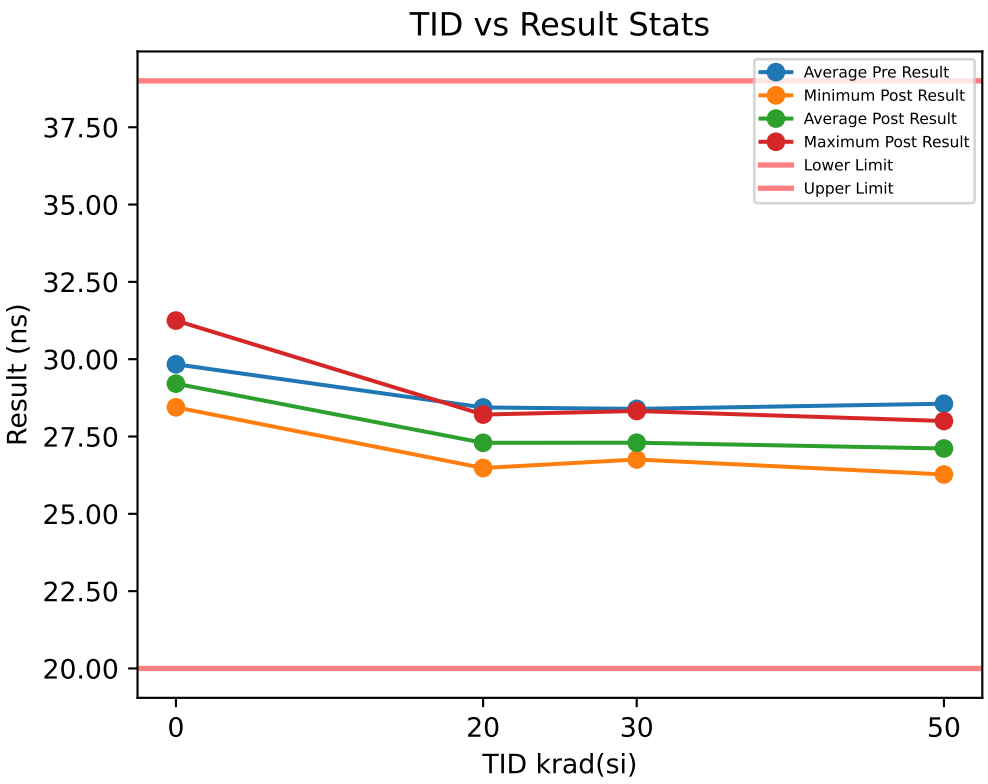
Test Results (Lower Limit = 36.0, Upper Limit = 55.0 (ns))

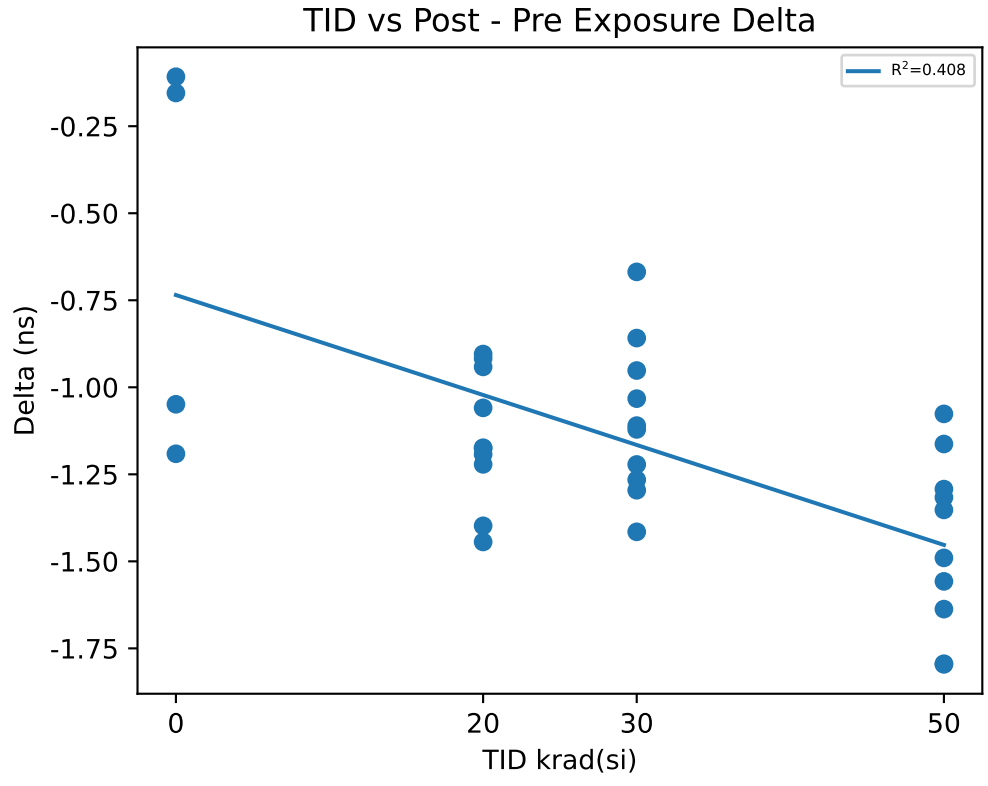
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	20	HDR BIAS	45.358	44.041	-1.3166
2	20	HDR BIAS	44.502	43.406	-1.0962
3	20	HDR BIAS	45.388	44.312	-1.0762
4	20	HDR BIAS	46.392	45.456	-0.9361
5	20	HDR BIAS	46.315	45.37	-0.9447
6	20	HDR UNBIAS	46.837	45.565	-1.2721
7	20	HDR UNBIAS	46.691	45.468	-1.2232
8	20	HDR UNBIAS	47.505	46.351	-1.1542
9	20	HDR UNBIAS	46.782	45.52	-1.262
10	20	HDR UNBIAS	46.581	45.462	-1.119
11	30	HDR BIAS	45.013	43.313	-1.7
12	30	HDR BIAS	44.842	43.473	-1.3686
13	30	HDR BIAS	46.786	45.068	-1.7177
14	30	HDR BIAS	46.663	45.343	-1.3194
15	30	HDR BIAS	45.841	44.574	-1.2677
16	30	HDR UNBIAS	46.511	44.955	-1.5557
17	30	HDR UNBIAS	46.367	44.665	-1.7025
18	30	HDR UNBIAS	47.644	46.332	-1.3124
19	30	HDR UNBIAS	45.678	44.025	-1.6529
20	30	HDR UNBIAS	45.804	44.37	-1.4349
21	50	HDR BIAS	46.674	44.707	-1.9668
22	50	HDR BIAS	46.25	44.521	-1.7282
23	50	HDR BIAS	47.013	44.912	-2.1017
24	50	HDR BIAS	46.615	44.692	-1.9231
25	50	HDR BIAS	46.773	44.651	-2.1214
26	50	HDR UNBIAS	46.876	44.677	-2.1988
27	50	HDR UNBIAS	44.449	42.105	-2.3436
28	50	HDR UNBIAS	46.349	44.108	-2.2408
29	50	HDR UNBIAS	47.136	44.497	-2.6393
30	50	HDR UNBIAS	45.335	43.392	-1.9438
41	0	CORRELATION	46.4	45.596	-0.8043
42	0	CORRELATION	47.55	47.222	-0.3283
43	0	CORRELATION	47.296	46.55	-0.7462
45	0	CORRELATION	47.484	47.188	-0.2955

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	46.4	47.182	47.55	0.53274	45.596	46.639	47.222	0.76115	-0.8043	-0.54358	-0.2955	0.2689
20	44.502	46.235	47.505	0.88976	43.406	45.095	46.351	0.88424	-1.3166	-1.14	-0.9361	0.13199
30	44.842	46.115	47.644	0.85019	43.313	44.612	46.332	0.89498	-1.7177	-1.5032	-1.2677	0.18198
50	44.449	46.347	47.136	0.8395	42.105	44.226	44.912	0.86104	-2.6393	-2.1208	-1.7282	0.25552

Device Test: 19.21 PWM|DEADTIME/GATE/14/14///1MHz/@T_RLH





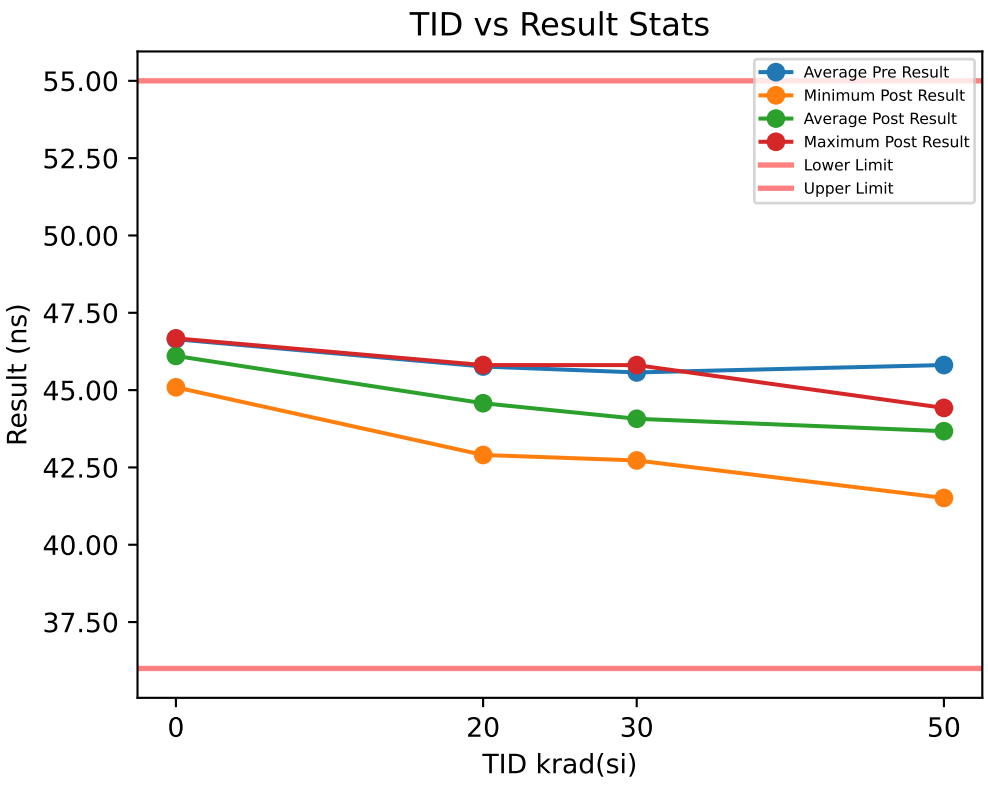
Test Results (Lower Limit = 20.0, Upper Limit = 39.0 (ns))

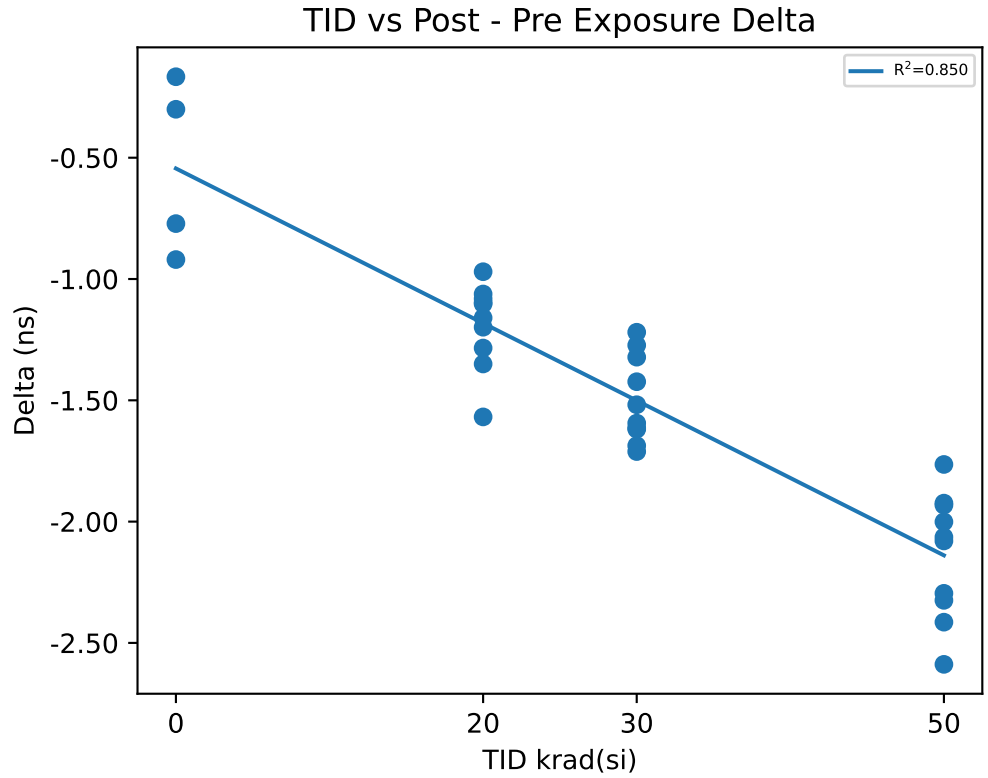
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	20	HDR BIAS	28.169	26.995	-1.1736
2	20	HDR BIAS	28.125	27.183	-0.9414
3	20	HDR BIAS	29.402	28.209	-1.1926
4	20	HDR BIAS	28.814	27.638	-1.1754
5	20	HDR BIAS	28.701	27.303	-1.3979
6	20	HDR UNBIAS	27.912	26.995	-0.9171
7	20	HDR UNBIAS	27.925	26.481	-1.4443
8	20	HDR UNBIAS	28.089	27.185	-0.9045
9	20	HDR UNBIAS	27.991	26.77	-1.2214
10	20	HDR UNBIAS	29.262	28.203	-1.0591
11	30	HDR BIAS	28.263	26.848	-1.4152
12	30	HDR BIAS	28.268	27.003	-1.2656
13	30	HDR BIAS	28.361	27.692	-0.6685
14	30	HDR BIAS	28.424	27.392	-1.0326
15	30	HDR BIAS	27.932	26.98	-0.9518
16	30	HDR UNBIAS	29.184	28.325	-0.8586
17	30	HDR UNBIAS	28.67	27.549	-1.121
18	30	HDR UNBIAS	28.623	27.513	-1.1101
19	30	HDR UNBIAS	28.231	26.936	-1.2957
20	30	HDR UNBIAS	27.978	26.757	-1.2217
21	50	HDR BIAS	27.997	26.36	-1.6372
22	50	HDR BIAS	28.974	27.416	-1.5575
23	50	HDR BIAS	28.62	26.826	-1.7941
24	50	HDR BIAS	28.367	27.074	-1.2925
25	50	HDR BIAS	27.801	26.724	-1.0764
26	50	HDR UNBIAS	29.491	28.001	-1.4901
27	50	HDR UNBIAS	29.215	27.419	-1.7959
28	50	HDR UNBIAS	28.426	27.074	-1.3522
29	50	HDR UNBIAS	27.436	26.273	-1.1629
30	50	HDR UNBIAS	29.272	27.956	-1.3163
41	0	CORRELATION	29.734	28.543	-1.191
42	0	CORRELATION	28.709	28.601	-0.1079
43	0	CORRELATION	32.297	31.249	-1.0488
45	0	CORRELATION	28.599	28.444	-0.1546

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	28.599	29.835	32.297	1.7194	28.444	29.209	31.249	1.3612	-1.191	-0.62558	-0.1079	0.57406
20	27.912	28.439	29.402	0.5628	26.481	27.296	28.209	0.56984	-1.4443	-1.1427	-0.9045	0.18913
30	27.932	28.393	29.184	0.36508	26.757	27.299	28.325	0.48801	-1.4152	-1.0941	-0.6685	0.22387
50	27.436	28.56	29.491	0.68239	26.273	27.112	28.001	0.59574	-1.7959	-1.4475	-1.0764	0.24954

Device Test: 19.22 PWM|DEADTIME/GATE/14/14///1MHz/@T_RHL





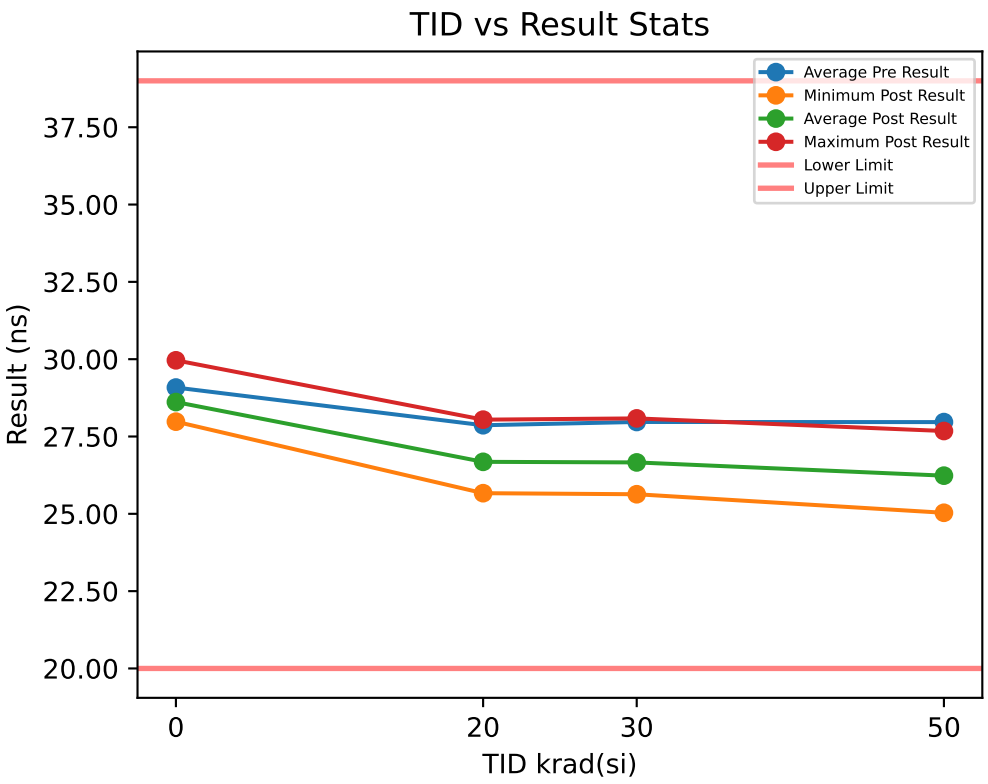
Test Results (Lower Limit = 36.0, Upper Limit = 55.0 (ns))

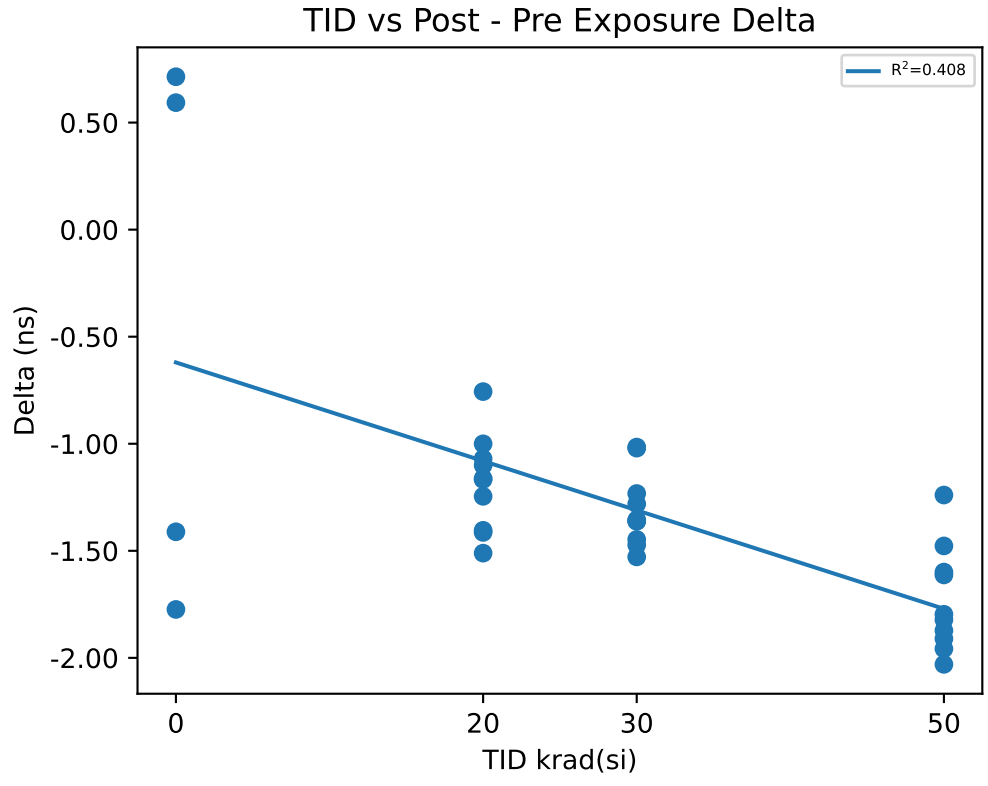
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	20	HDR BIAS	44.598	43.501	-1.0971
2	20	HDR BIAS	43.965	42.903	-1.0618
3	20	HDR BIAS	44.905	43.803	-1.1024
4	20	HDR BIAS	45.924	44.955	-0.9699
5	20	HDR BIAS	46.17	44.82	-1.3502
6	20	HDR UNBIAS	46.337	45.052	-1.2845
7	20	HDR UNBIAS	46.05	44.89	-1.1601
8	20	HDR UNBIAS	47.009	45.81	-1.1987
9	20	HDR UNBIAS	46.587	45.019	-1.5684
10	20	HDR UNBIAS	46.085	45.004	-1.0814
11	30	HDR BIAS	44.437	42.726	-1.7112
12	30	HDR BIAS	44.401	42.977	-1.4233
13	30	HDR BIAS	46.151	44.532	-1.6189
14	30	HDR BIAS	46.11	44.891	-1.2194
15	30	HDR BIAS	45.243	43.971	-1.2729
16	30	HDR UNBIAS	46.042	44.355	-1.6869
17	30	HDR UNBIAS	45.741	44.127	-1.6138
18	30	HDR UNBIAS	47.131	45.809	-1.3221
19	30	HDR UNBIAS	45.094	43.5	-1.5941
20	30	HDR UNBIAS	45.363	43.844	-1.5182
21	50	HDR BIAS	46.213	44.133	-2.0796
22	50	HDR BIAS	45.763	43.998	-1.7644
23	50	HDR BIAS	46.348	44.424	-1.9238
24	50	HDR BIAS	46.102	44.17	-1.932
25	50	HDR BIAS	46.131	44.067	-2.0639
26	50	HDR UNBIAS	46.396	44.1	-2.2956
27	50	HDR UNBIAS	43.927	41.513	-2.4145
28	50	HDR UNBIAS	45.874	43.55	-2.3245
29	50	HDR UNBIAS	46.521	43.932	-2.5884
30	50	HDR UNBIAS	44.83	42.83	-2.0009
41	0	CORRELATION	46.01	45.09	-0.9198
42	0	CORRELATION	46.942	46.642	-0.3003
43	0	CORRELATION	46.787	46.015	-0.7716
45	0	CORRELATION	46.84	46.674	-0.1662

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	46.01	46.645	46.942	0.42797	45.09	46.105	46.674	0.74142	-0.9198	-0.53947	-0.1662	0.36289
20	43.965	45.763	47.009	0.9582	42.903	44.576	45.81	0.88073	-1.5684	-1.1874	-0.9699	0.17374
30	44.401	45.571	47.131	0.83966	42.726	44.073	45.809	0.90566	-1.7112	-1.4981	-1.2194	0.17752
50	43.927	45.81	46.521	0.81647	41.513	43.672	44.424	0.87739	-2.5884	-2.1388	-1.7644	0.25702

Device Test: 19.23 PWM|DEADTIME/GATE/14/14///2MHz/@T_RLH





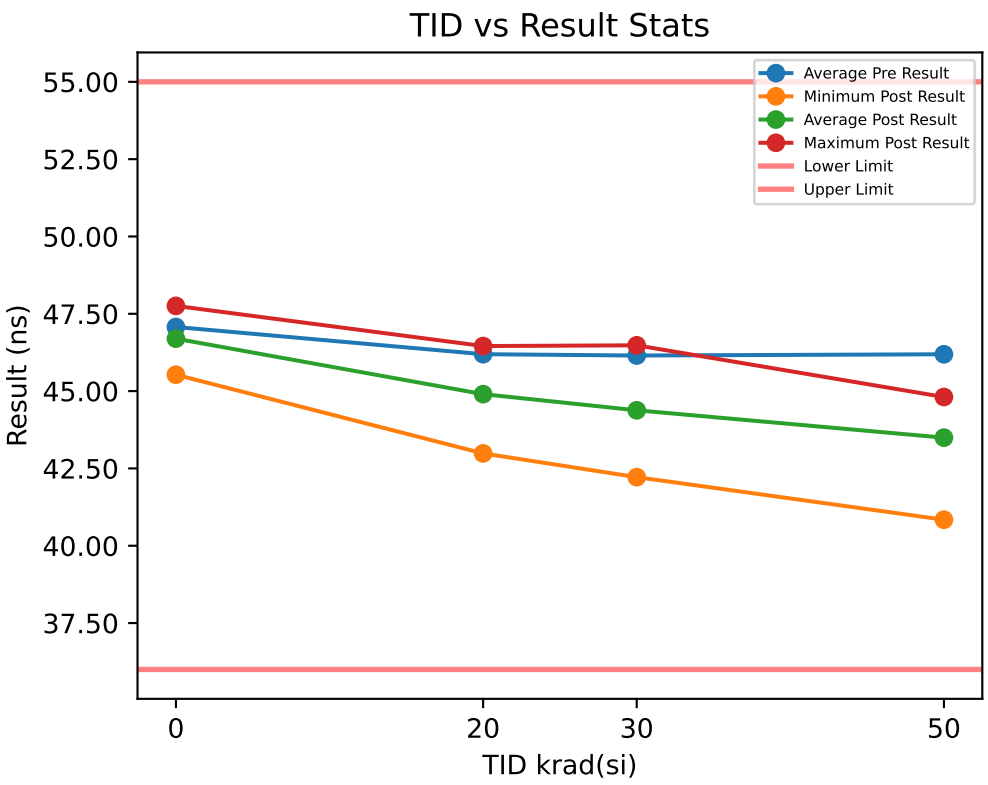
Test Results (Lower Limit = 20.0, Upper Limit = 39.0 (ns))

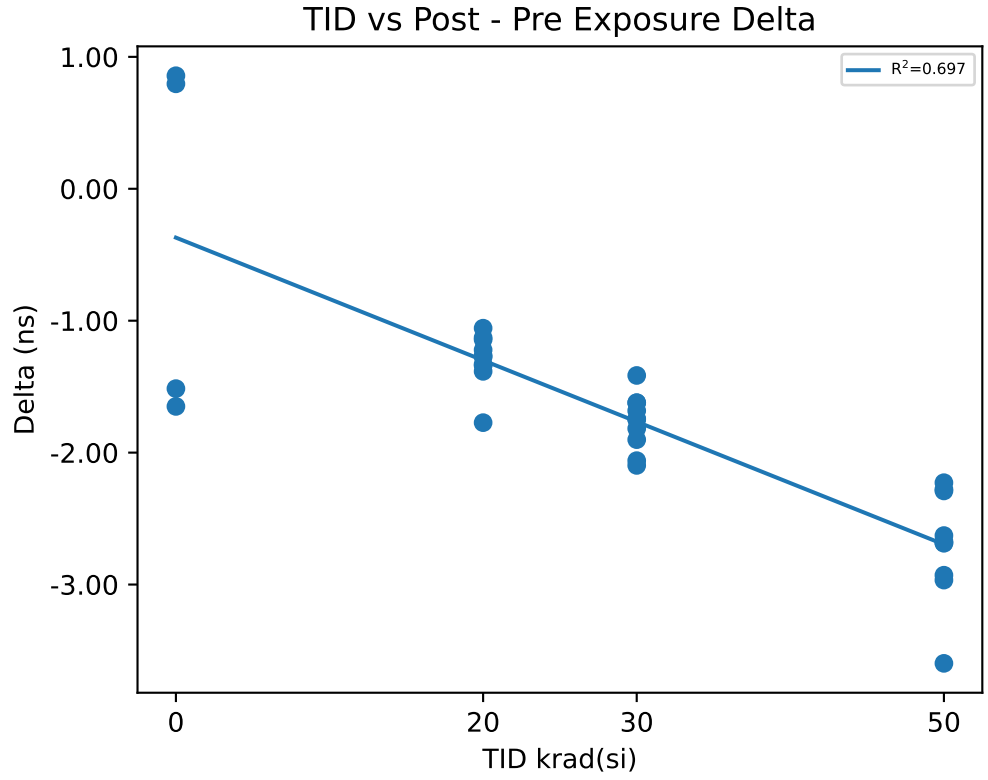
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	20	HDR BIAS	26.913	25.667	-1.2456
2	20	HDR BIAS	27.466	26.365	-1.1005
3	20	HDR BIAS	28.712	27.298	-1.4141
4	20	HDR BIAS	29.04	27.878	-1.1622
5	20	HDR BIAS	27.85	26.446	-1.4043
6	20	HDR UNBIAS	27.533	26.776	-0.7564
7	20	HDR UNBIAS	27.402	25.891	-1.5109
8	20	HDR UNBIAS	27.567	26.567	-1.0002
9	20	HDR UNBIAS	27.043	25.876	-1.1669
10	20	HDR UNBIAS	29.115	28.045	-1.0699
11	30	HDR BIAS	27.162	25.633	-1.5285
12	30	HDR BIAS	28.245	26.798	-1.447
13	30	HDR BIAS	28.089	26.616	-1.4725
14	30	HDR BIAS	27.7	26.685	-1.0155
15	30	HDR BIAS	27.282	25.921	-1.3606
16	30	HDR UNBIAS	29.106	28.085	-1.0205
17	30	HDR UNBIAS	28.041	26.76	-1.2808
18	30	HDR UNBIAS	28.559	27.197	-1.3619
19	30	HDR UNBIAS	27.564	26.209	-1.3555
20	30	HDR UNBIAS	27.949	26.717	-1.2324
21	50	HDR BIAS	27.276	25.318	-1.9574
22	50	HDR BIAS	29.171	27.374	-1.7966
23	50	HDR BIAS	27.384	25.353	-2.0303
24	50	HDR BIAS	27.739	26.262	-1.4772
25	50	HDR BIAS	26.64	25.401	-1.2395
26	50	HDR UNBIAS	29.381	27.559	-1.8218
27	50	HDR UNBIAS	27.976	26.065	-1.9103
28	50	HDR UNBIAS	27.909	26.296	-1.6127
29	50	HDR UNBIAS	26.906	25.034	-1.8723
30	50	HDR UNBIAS	29.277	27.678	-1.5992
41	0	CORRELATION	29.754	27.98	-1.7738
42	0	CORRELATION	27.449	28.163	0.7141
43	0	CORRELATION	31.375	29.963	-1.4112
45	0	CORRELATION	27.755	28.348	0.5931

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	27.449	29.083	31.375	1.8379	27.98	28.614	29.963	0.91228	-1.7738	-0.46945	0.7141	1.3061
20	26.913	27.864	29.115	0.80392	25.667	26.681	28.045	0.82669	-1.5109	-1.1831	-0.7564	0.22349
30	27.162	27.97	29.106	0.5867	25.633	26.662	28.085	0.67988	-1.5285	-1.3075	-1.0155	0.17562
50	26.64	27.966	29.381	0.99571	25.034	26.234	27.678	0.99565	-2.0303	-1.7317	-1.2395	0.24559

Device Test: 19.24 PWM|DEADTIME/GATE/14/14///2MHz/@T_RHL





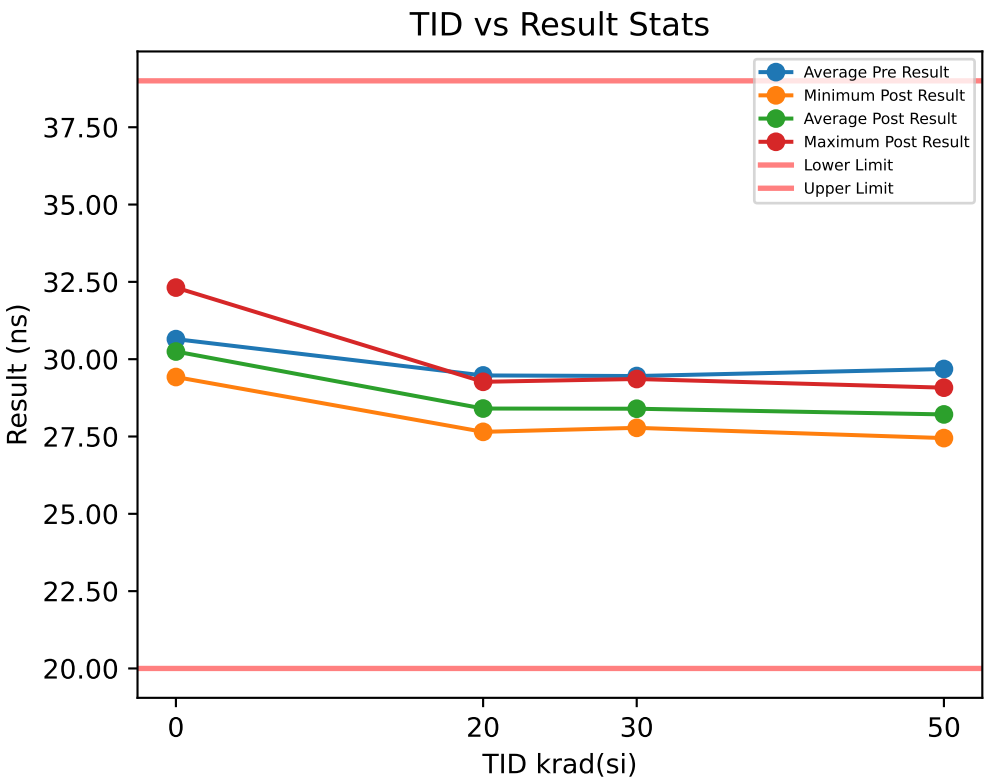
Test Results (Lower Limit = 36.0, Upper Limit = 55.0 (ns))

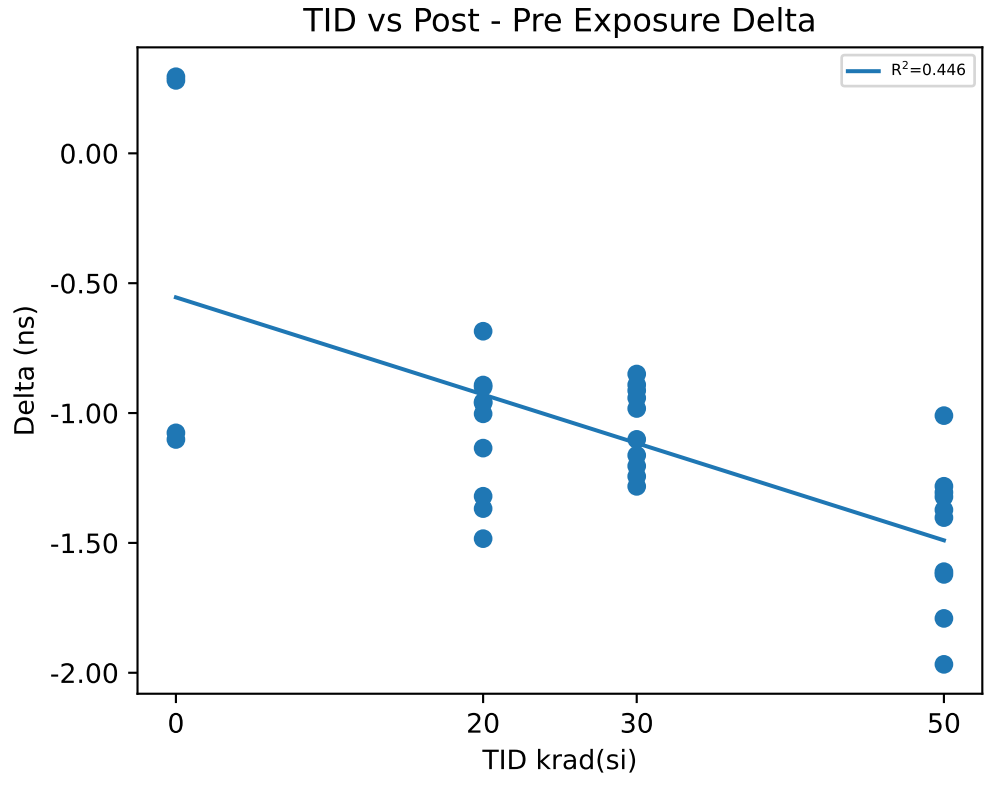
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	20	HDR BIAS	44.261	42.986	-1.2751
2	20	HDR BIAS	44.223	43.095	-1.1286
3	20	HDR BIAS	44.902	43.681	-1.2213
4	20	HDR BIAS	47.218	46.161	-1.0567
5	20	HDR BIAS	46.202	44.818	-1.384
6	20	HDR UNBIAS	46.761	45.431	-1.3307
7	20	HDR UNBIAS	46.935	45.162	-1.7728
8	20	HDR UNBIAS	47.722	46.457	-1.2645
9	20	HDR UNBIAS	46.443	45.103	-1.3397
10	20	HDR UNBIAS	47.266	46.123	-1.1431
11	30	HDR BIAS	44.12	42.218	-1.9016
12	30	HDR BIAS	45.405	43.722	-1.6823
13	30	HDR BIAS	46.15	44.089	-2.0608
14	30	HDR BIAS	46.779	45.158	-1.6211
15	30	HDR BIAS	45.537	44.122	-1.415
16	30	HDR UNBIAS	47.113	45.363	-1.7499
17	30	HDR UNBIAS	46.18	44.083	-2.0969
18	30	HDR UNBIAS	48.223	46.481	-1.7428
19	30	HDR UNBIAS	45.351	43.534	-1.8172
20	30	HDR UNBIAS	46.65	45.027	-1.6227
21	50	HDR BIAS	46.138	43.509	-2.6286
22	50	HDR BIAS	47.099	44.809	-2.2904
23	50	HDR BIAS	46.056	43.373	-2.6836
24	50	HDR BIAS	46.557	44.279	-2.2781
25	50	HDR BIAS	46.163	43.197	-2.9662
26	50	HDR UNBIAS	47.652	44.723	-2.9292
27	50	HDR UNBIAS	43.514	40.842	-2.6725
28	50	HDR UNBIAS	46.443	43.756	-2.6869
29	50	HDR UNBIAS	46.724	43.127	-3.5974
30	50	HDR UNBIAS	45.565	43.337	-2.2279
41	0	CORRELATION	47.181	45.531	-1.6497
42	0	CORRELATION	46.857	47.714	0.8569
43	0	CORRELATION	47.297	45.782	-1.5149
45	0	CORRELATION	46.96	47.756	0.7956

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	46.857	47.074	47.297	0.20092	45.531	46.696	47.756	1.2045	-1.6497	-0.37803	0.8569	1.3919
20	44.223	46.193	47.722	1.2803	42.986	44.902	46.457	1.2613	-1.7728	-1.2917	-1.0567	0.19824
30	44.12	46.151	48.223	1.1335	42.218	44.38	46.481	1.1768	-2.0969	-1.771	-1.415	0.20808
50	43.514	46.191	47.652	1.1064	40.842	43.495	44.809	1.1164	-3.5974	-2.6961	-2.2279	0.40873

Device Test: 19.3 PWM|DEADTIME/GATE/10/8///0.5MHz/@T_RLH





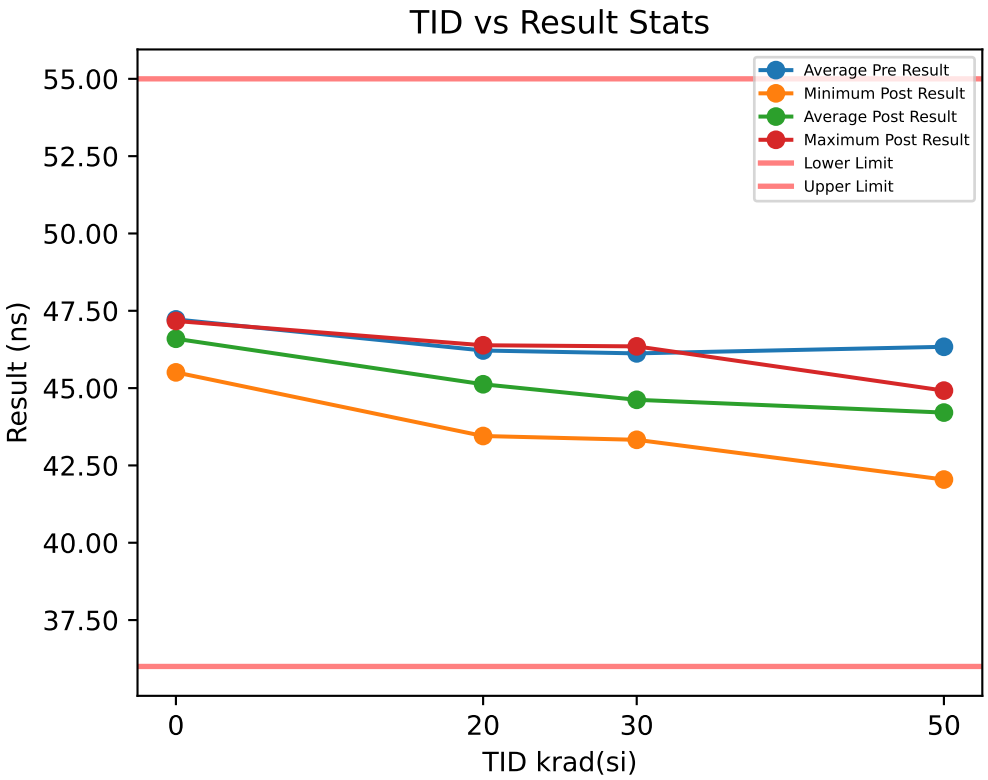
Test Results (Lower Limit = 20.0, Upper Limit = 39.0 (ns))

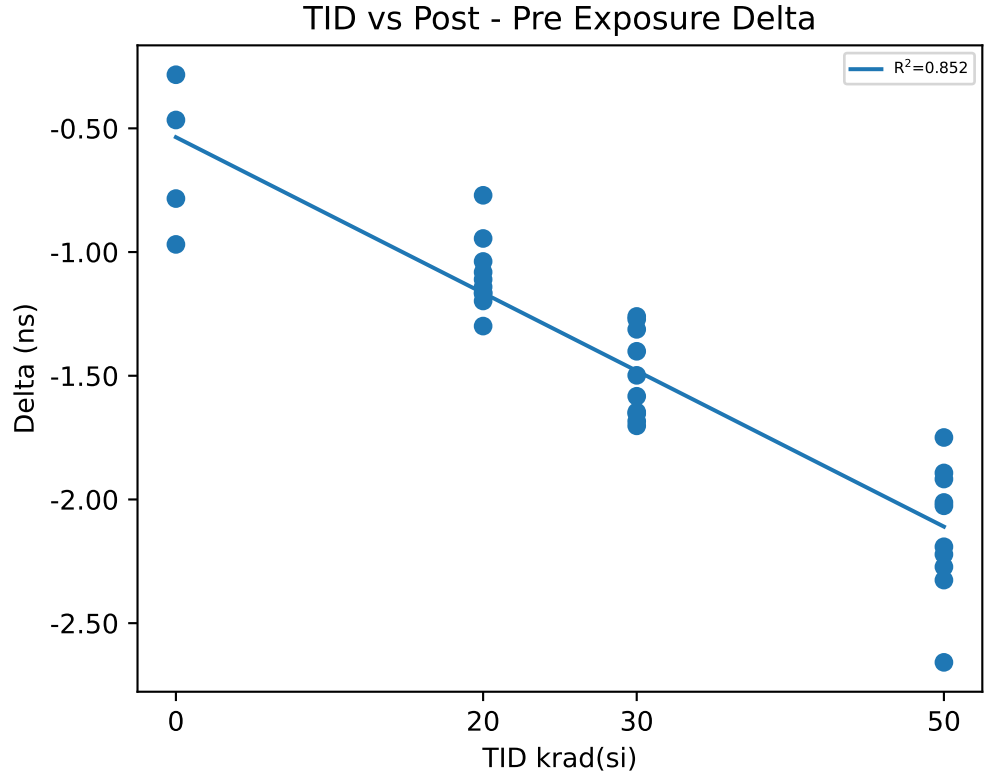
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	20	HDR BIAS	29.433	28.113	-1.3203
2	20	HDR BIAS	29.261	28.304	-0.9573
3	20	HDR BIAS	30.168	29.269	-0.8996
4	20	HDR BIAS	29.83	28.695	-1.135
5	20	HDR BIAS	29.912	28.428	-1.4836
6	20	HDR UNBIAS	29.032	28.14	-0.8921
7	20	HDR UNBIAS	29.018	27.65	-1.3679
8	20	HDR UNBIAS	29.283	28.322	-0.9611
9	20	HDR UNBIAS	28.553	27.869	-0.685
10	20	HDR UNBIAS	30.255	29.252	-1.003
11	30	HDR BIAS	29.084	27.983	-1.1013
12	30	HDR BIAS	29.302	28.098	-1.204
13	30	HDR BIAS	29.751	28.838	-0.9132
14	30	HDR BIAS	29.551	28.568	-0.9825
15	30	HDR BIAS	28.985	28.094	-0.8912
16	30	HDR UNBIAS	30.301	29.359	-0.9418
17	30	HDR UNBIAS	29.921	28.638	-1.2823
18	30	HDR UNBIAS	29.727	28.565	-1.1628
19	30	HDR UNBIAS	28.908	28.058	-0.8497
20	30	HDR UNBIAS	29.024	27.78	-1.2438
21	50	HDR BIAS	29.265	27.474	-1.7907
22	50	HDR BIAS	30.094	28.473	-1.6213
23	50	HDR BIAS	29.823	27.856	-1.9676
24	50	HDR BIAS	29.507	28.185	-1.3225
25	50	HDR BIAS	28.877	27.867	-1.0099
26	50	HDR UNBIAS	30.612	29.001	-1.6107
27	50	HDR UNBIAS	29.851	28.545	-1.3056
28	50	HDR UNBIAS	29.495	28.213	-1.2819
29	50	HDR UNBIAS	28.821	27.448	-1.3727
30	50	HDR UNBIAS	30.481	29.079	-1.4026
41	0	CORRELATION	30.663	29.561	-1.1018
42	0	CORRELATION	29.412	29.692	0.2808
43	0	CORRELATION	33.391	32.315	-1.0762
45	0	CORRELATION	29.128	29.423	0.2949

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	29.128	30.648	33.391	1.9463	29.423	30.248	32.315	1.3825	-1.1018	-0.40058	0.2949	0.79501
20	28.553	29.475	30.255	0.55218	27.65	28.404	29.269	0.53523	-1.4836	-1.0705	-0.685	0.25048
30	28.908	29.455	30.301	0.46784	27.78	28.398	29.359	0.48114	-1.2823	-1.0573	-0.8497	0.15999
50	28.821	29.683	30.612	0.61015	27.448	28.214	29.079	0.57024	-1.9676	-1.4686	-1.0099	0.27948

Device Test: 19.4 PWM|DEADTIME/GATE/10/8///0.5MHz/@T_RHL





Test Results (Lower Limit = 36.0, Upper Limit = 55.0 (ns))

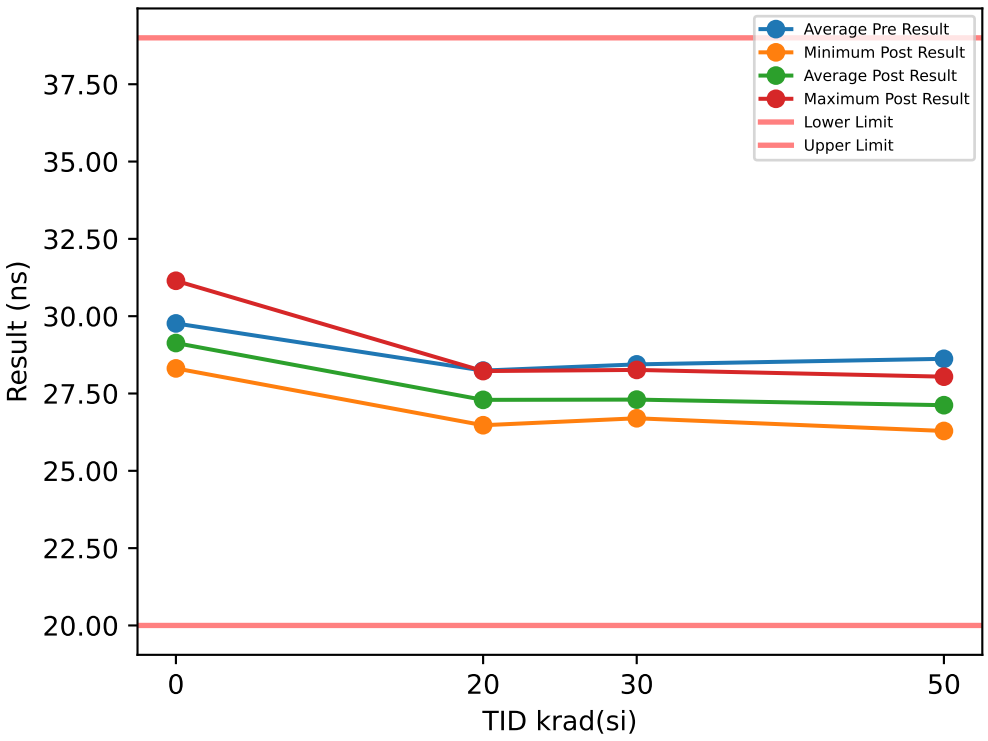
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	20	HDR BIAS	45.211	44.07	-1.1408
2	20	HDR BIAS	44.489	43.452	-1.038
3	20	HDR BIAS	45.445	44.334	-1.1107
4	20	HDR BIAS	46.405	45.46	-0.9451
5	20	HDR BIAS	46.224	45.453	-0.7706
6	20	HDR UNBIAS	46.803	45.605	-1.1977
7	20	HDR UNBIAS	46.656	45.492	-1.1643
8	20	HDR UNBIAS	47.553	46.385	-1.1676
9	20	HDR UNBIAS	46.797	45.497	-1.2992
10	20	HDR UNBIAS	46.575	45.493	-1.0813
11	30	HDR BIAS	45.031	43.328	-1.7024
12	30	HDR BIAS	44.884	43.483	-1.4011
13	30	HDR BIAS	46.764	45.111	-1.6532
14	30	HDR BIAS	46.638	45.378	-1.2602
15	30	HDR BIAS	45.856	44.543	-1.3125
16	30	HDR UNBIAS	46.497	44.914	-1.5829
17	30	HDR UNBIAS	46.36	44.676	-1.6835
18	30	HDR UNBIAS	47.621	46.349	-1.2715
19	30	HDR UNBIAS	45.718	44.071	-1.6466
20	30	HDR UNBIAS	45.86	44.362	-1.4983
21	50	HDR BIAS	46.688	44.662	-2.0256
22	50	HDR BIAS	46.245	44.495	-1.7495
23	50	HDR BIAS	46.931	44.919	-2.0121
24	50	HDR BIAS	46.608	44.715	-1.8928
25	50	HDR BIAS	46.807	44.616	-2.1912
26	50	HDR UNBIAS	46.891	44.669	-2.222
27	50	HDR UNBIAS	44.369	42.044	-2.3259
28	50	HDR UNBIAS	46.353	44.08	-2.2724
29	50	HDR UNBIAS	47.131	44.473	-2.6584
30	50	HDR UNBIAS	45.336	43.419	-1.9174
41	0	CORRELATION	46.478	45.509	-0.9691
42	0	CORRELATION	47.626	47.16	-0.4662
43	0	CORRELATION	47.328	46.544	-0.7838
45	0	CORRELATION	47.454	47.17	-0.2833

Test Statistics (ns)

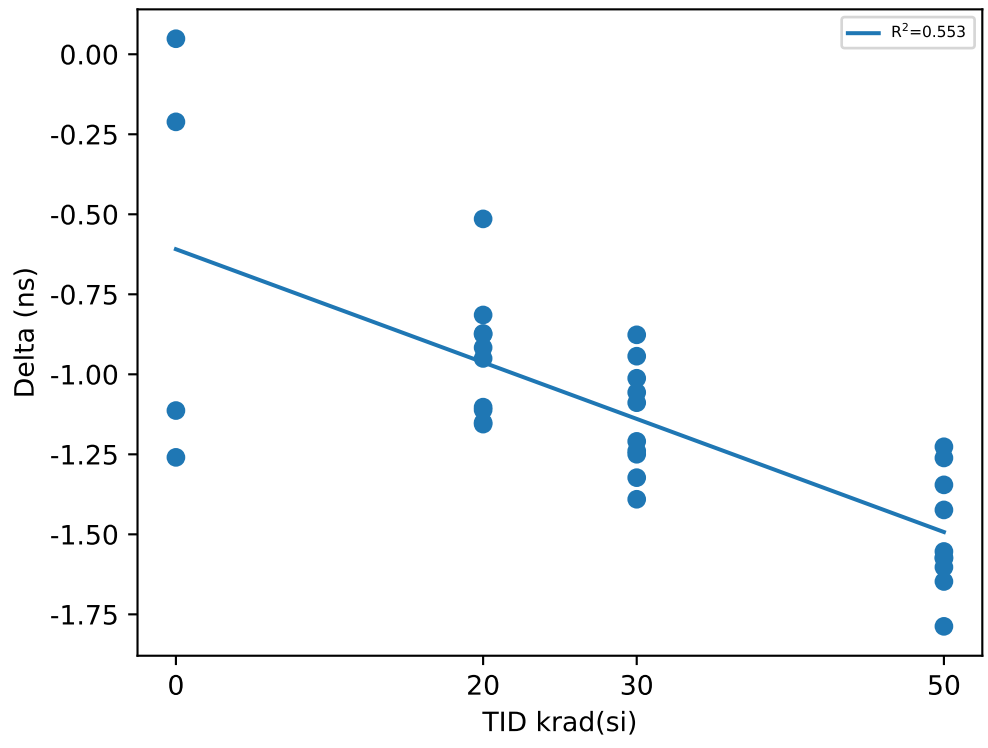
krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	46.478	47.221	47.626	0.51037	45.509	46.596	47.17	0.78141	-0.9691	-0.6256	-0.2833	0.30854
20	44.489	46.216	47.553	0.90748	43.452	45.124	46.385	0.88101	-1.2992	-1.0915	-0.7706	0.14745
30	44.884	46.123	47.621	0.82663	43.328	44.622	46.349	0.89641	-1.7024	-1.5012	-1.2602	0.17673
50	44.369	46.336	47.131	0.85565	42.044	44.209	44.919	0.87077	-2.6584	-2.1267	-1.7495	0.26268

Device Test: 19.5 PWM|DEADTIME/GATE/10/8///1MHz/@T_RLH

TID vs Result Stats



TID vs Post - Pre Exposure Delta



Test Results (Lower Limit = 20.0, Upper Limit = 39.0 (ns))

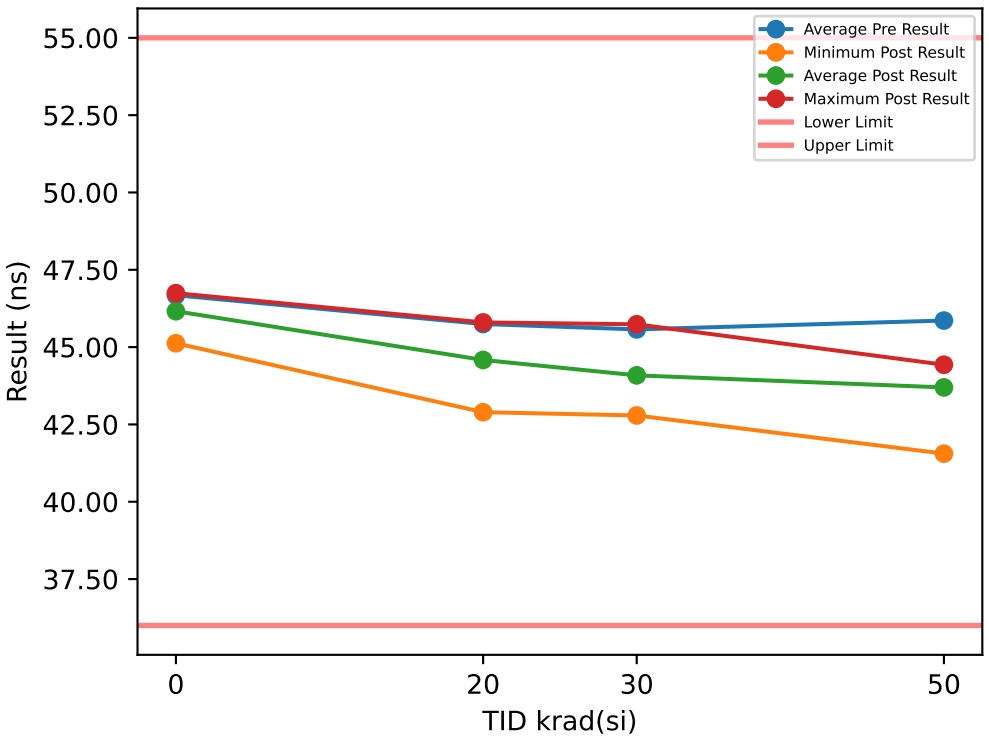
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	20	HDR BIAS	28.12	27.018	-1.1026
2	20	HDR BIAS	28.105	27.154	-0.9504
3	20	HDR BIAS	29.075	28.201	-0.8748
4	20	HDR BIAS	28.726	27.615	-1.1113
5	20	HDR BIAS	28.43	27.279	-1.1508
6	20	HDR UNBIAS	27.835	27.02	-0.8146
7	20	HDR UNBIAS	27.63	26.474	-1.1556
8	20	HDR UNBIAS	28.067	27.194	-0.8724
9	20	HDR UNBIAS	27.277	26.763	-0.5144
10	20	HDR UNBIAS	29.142	28.225	-0.9166
11	30	HDR BIAS	28.194	26.871	-1.3229
12	30	HDR BIAS	28.257	27.018	-1.2392
13	30	HDR BIAS	29.004	27.755	-1.2498
14	30	HDR BIAS	28.436	27.424	-1.0123
15	30	HDR BIAS	28.352	26.961	-1.3904
16	30	HDR UNBIAS	29.319	28.262	-1.0565
17	30	HDR UNBIAS	28.466	27.59	-0.8766
18	30	HDR UNBIAS	28.576	27.488	-1.0887
19	30	HDR UNBIAS	27.903	26.96	-0.9434
20	30	HDR UNBIAS	27.908	26.699	-1.2095
21	50	HDR BIAS	27.992	26.389	-1.6027
22	50	HDR BIAS	29.011	27.436	-1.5752
23	50	HDR BIAS	28.399	26.752	-1.6473
24	50	HDR BIAS	28.362	27.1	-1.2613
25	50	HDR BIAS	28.025	26.799	-1.2264
26	50	HDR UNBIAS	29.616	28.044	-1.5719
27	50	HDR UNBIAS	29.197	27.409	-1.7875
28	50	HDR UNBIAS	28.387	27.041	-1.3454
29	50	HDR UNBIAS	27.842	26.289	-1.5535
30	50	HDR UNBIAS	29.384	27.96	-1.4237
41	0	CORRELATION	29.742	28.483	-1.2595
42	0	CORRELATION	28.541	28.589	0.0485
43	0	CORRELATION	32.258	31.145	-1.1132
45	0	CORRELATION	28.523	28.311	-0.2112

Test Statistics (ns)

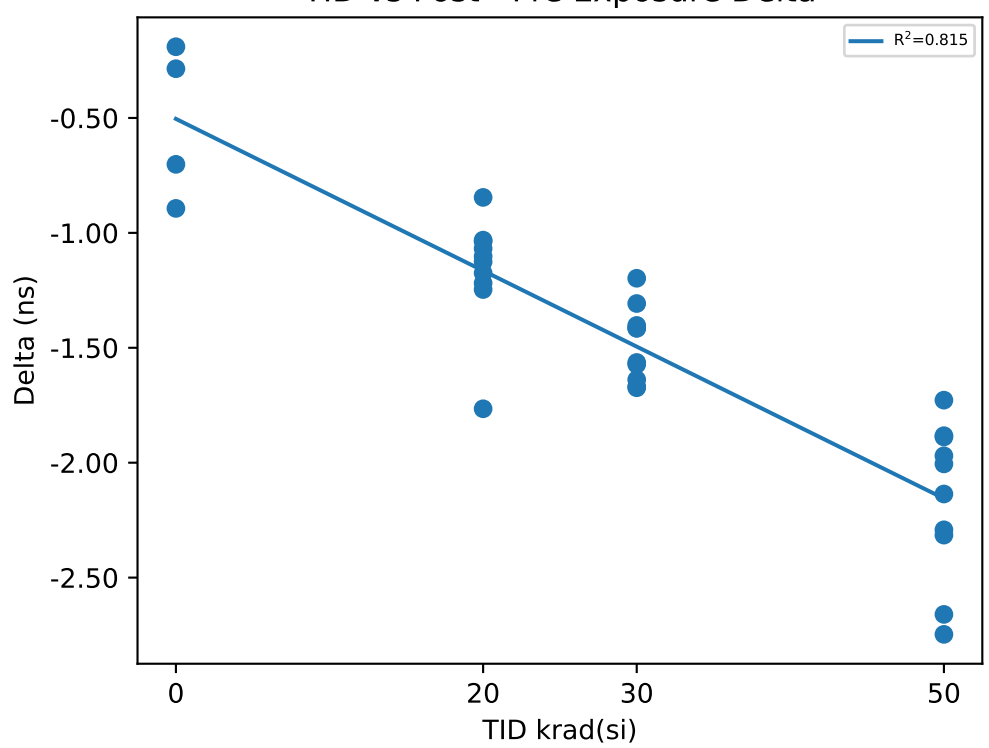
krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	28.523	29.766	32.258	1.7568	28.311	29.132	31.145	1.3468	-1.2595	-0.63385	0.0485	0.64947
20	27.277	28.241	29.142	0.60645	26.474	27.294	28.225	0.57035	-1.1556	-0.94635	-0.5144	0.19794
30	27.903	28.442	29.319	0.44511	26.699	27.303	28.262	0.48566	-1.3904	-1.1389	-0.8766	0.16892
50	27.842	28.621	29.616	0.63111	26.289	27.122	28.044	0.59758	-1.7875	-1.4995	-1.2264	0.17955

Device Test: 19.6 PWM|DEADTIME/GATE/10/8///1MHz/@T_RHL

TID vs Result Stats



TID vs Post - Pre Exposure Delta



Test Results (Lower Limit = 36.0, Upper Limit = 55.0 (ns))

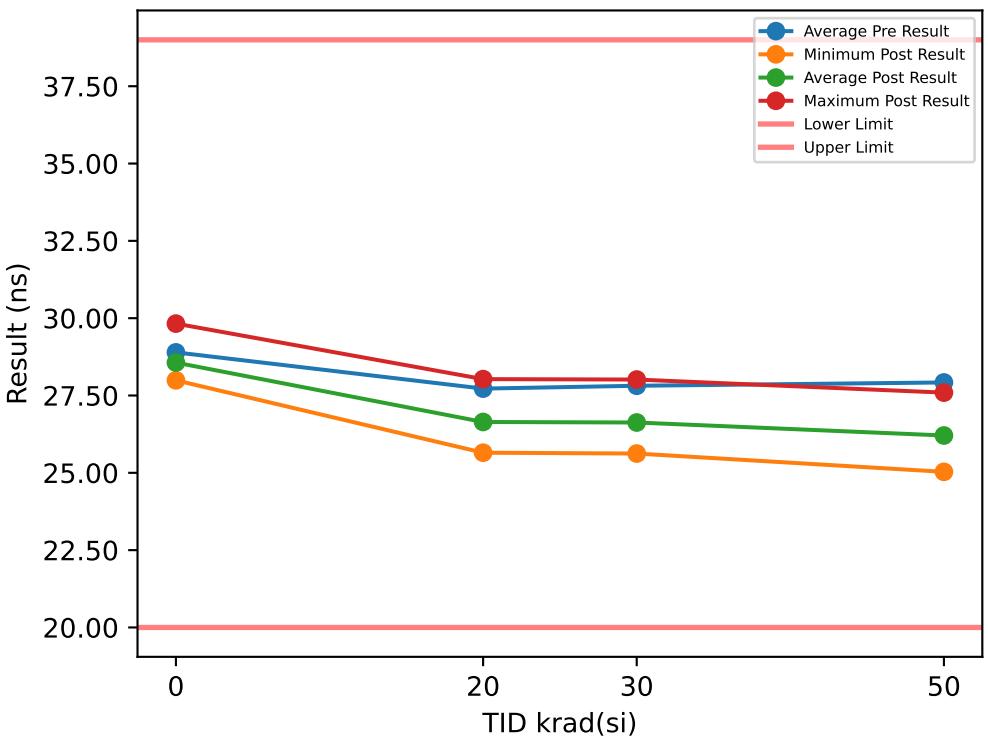
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	20	HDR BIAS	45.245	43.479	-1.7654
2	20	HDR BIAS	43.998	42.896	-1.1023
3	20	HDR BIAS	44.873	43.805	-1.0684
4	20	HDR BIAS	45.96	44.929	-1.0316
5	20	HDR BIAS	45.718	44.872	-0.8457
6	20	HDR UNBIAS	46.336	45.089	-1.2465
7	20	HDR UNBIAS	46.036	44.91	-1.1259
8	20	HDR UNBIAS	47.017	45.799	-1.2188
9	20	HDR UNBIAS	46.217	45.042	-1.1747
10	20	HDR UNBIAS	46.06	45.023	-1.0373
11	30	HDR BIAS	44.463	42.789	-1.6739
12	30	HDR BIAS	44.403	43	-1.4027
13	30	HDR BIAS	46.114	44.55	-1.5639
14	30	HDR BIAS	46.129	44.822	-1.3074
15	30	HDR BIAS	45.238	44.041	-1.1975
16	30	HDR UNBIAS	46.054	44.385	-1.6686
17	30	HDR UNBIAS	45.761	44.123	-1.6388
18	30	HDR UNBIAS	47.153	45.738	-1.415
19	30	HDR UNBIAS	45.093	43.521	-1.5722
20	30	HDR UNBIAS	45.317	43.902	-1.4148
21	50	HDR BIAS	46.074	44.191	-1.8825
22	50	HDR BIAS	45.768	44.04	-1.7279
23	50	HDR BIAS	46.401	44.431	-1.97
24	50	HDR BIAS	46.084	44.196	-1.888
25	50	HDR BIAS	46.203	44.067	-2.1362
26	50	HDR UNBIAS	46.44	44.124	-2.3151
27	50	HDR UNBIAS	44.303	41.556	-2.7469
28	50	HDR UNBIAS	45.852	43.56	-2.292
29	50	HDR UNBIAS	46.579	43.919	-2.6601
30	50	HDR UNBIAS	44.887	42.881	-2.0052
41	0	CORRELATION	46.018	45.125	-0.8935
42	0	CORRELATION	46.967	46.681	-0.2857
43	0	CORRELATION	46.793	46.091	-0.7018
45	0	CORRELATION	46.935	46.745	-0.1901

Test Statistics (ns)

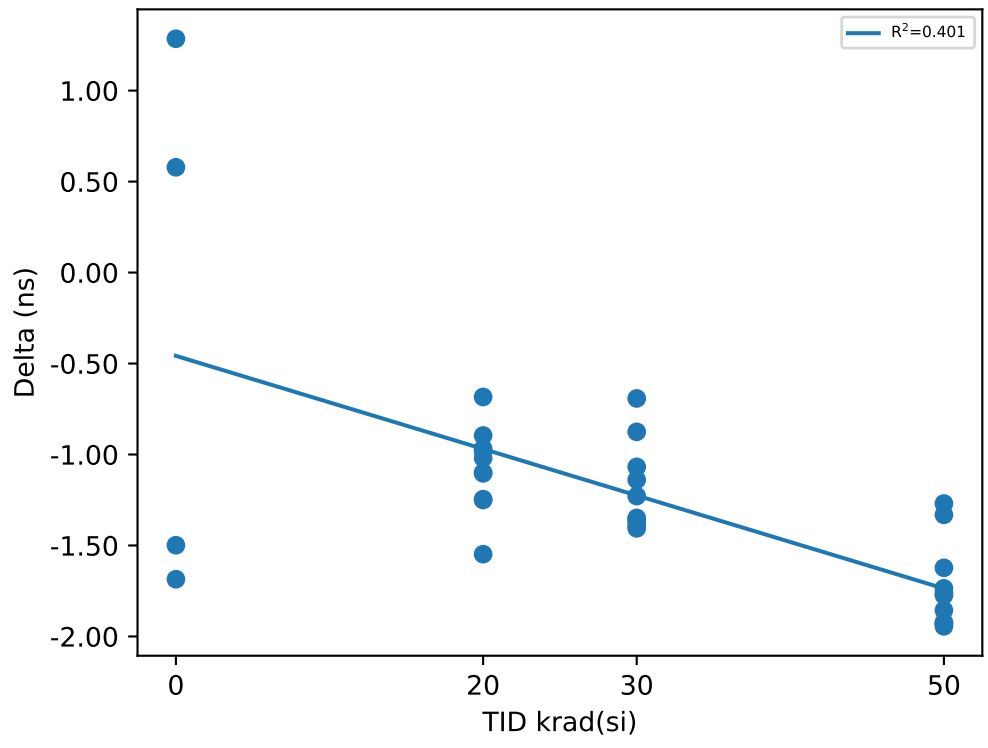
krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	46.018	46.678	46.967	0.44639	45.125	46.16	46.745	0.75054	-0.8935	-0.51778	-0.1901	0.3348
20	43.998	45.746	47.017	0.84879	42.896	44.584	45.799	0.88937	-1.7654	-1.1617	-0.8457	0.24057
30	44.403	45.572	47.153	0.84142	42.789	44.087	45.738	0.86861	-1.6739	-1.4855	-1.1975	0.16251
50	44.303	45.859	46.579	0.72558	41.556	43.697	44.431	0.86825	-2.7469	-2.1624	-1.7279	0.339

Device Test: 19.7 PWM|DEADTIME/GATE/10/8///2MHz/@T_RLH

TID vs Result Stats



TID vs Post - Pre Exposure Delta



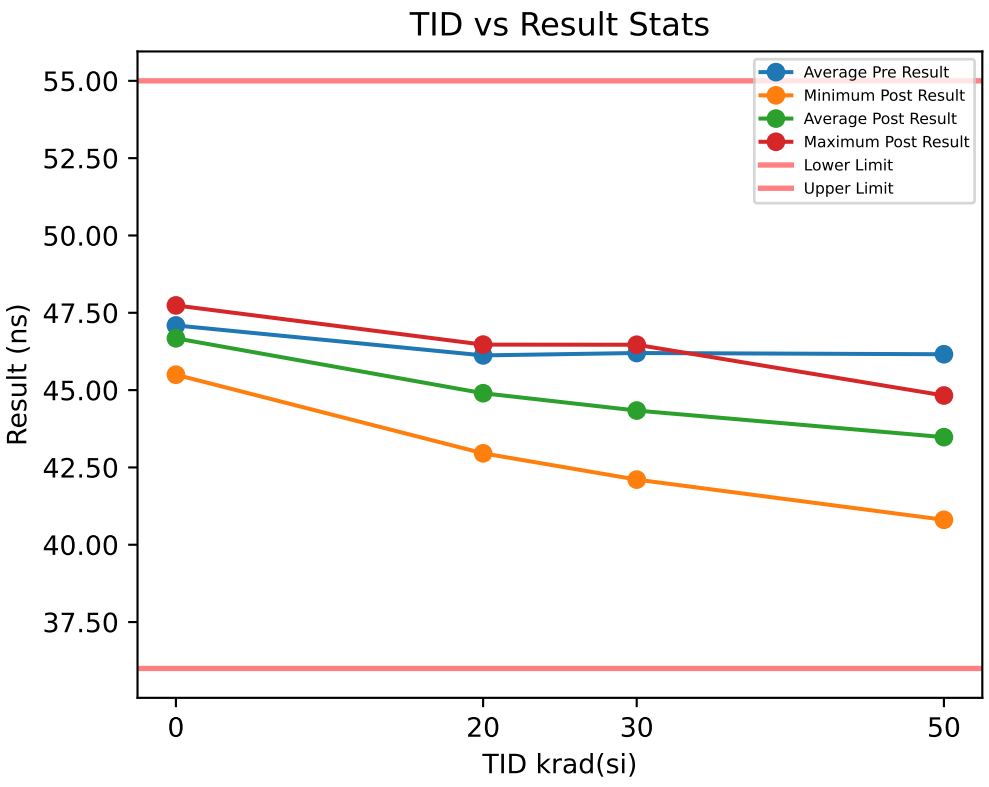
Test Results (Lower Limit = 20.0, Upper Limit = 39.0 (ns))

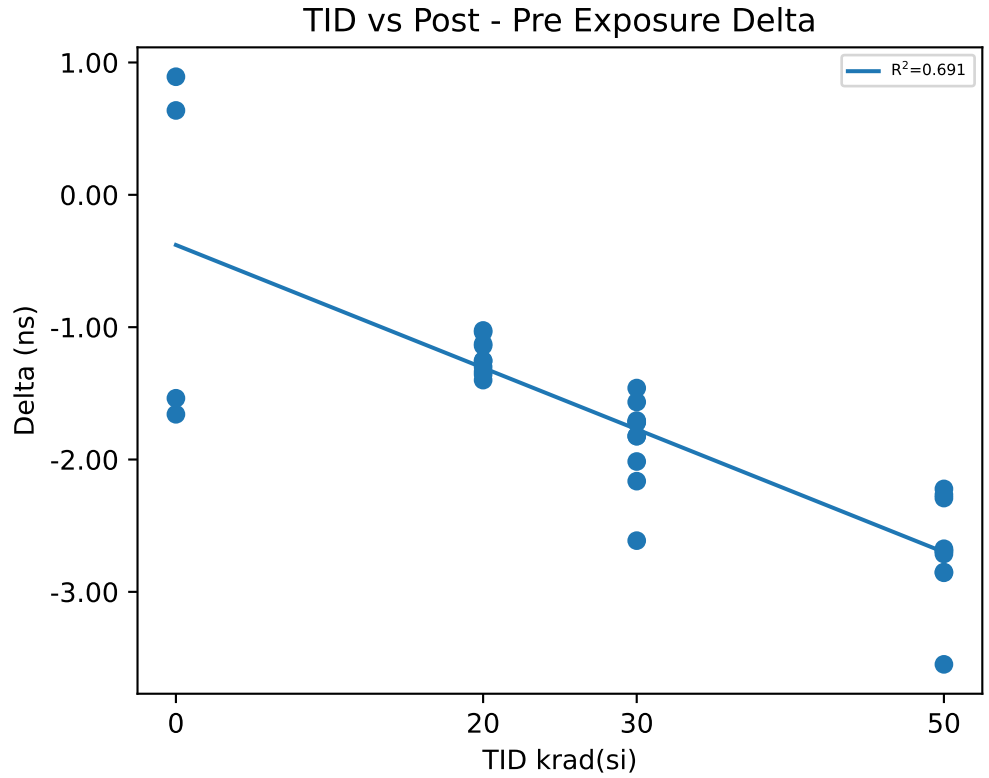
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	20	HDR BIAS	26.901	25.651	-1.2503
2	20	HDR BIAS	27.421	26.322	-1.0995
3	20	HDR BIAS	28.016	27.332	-0.6838
4	20	HDR BIAS	28.916	27.812	-1.1034
5	20	HDR BIAS	27.906	26.358	-1.5478
6	20	HDR UNBIAS	27.6	26.704	-0.8955
7	20	HDR UNBIAS	27.082	25.837	-1.2453
8	20	HDR UNBIAS	27.462	26.481	-0.9811
9	20	HDR UNBIAS	26.93	25.911	-1.0191
10	20	HDR UNBIAS	28.998	28.03	-0.9679
11	30	HDR BIAS	27.029	25.623	-1.4059
12	30	HDR BIAS	28.138	26.789	-1.3485
13	30	HDR BIAS	27.735	26.596	-1.1388
14	30	HDR BIAS	27.528	26.653	-0.8754
15	30	HDR BIAS	27.291	25.899	-1.3922
16	30	HDR UNBIAS	29.084	28.016	-1.068
17	30	HDR UNBIAS	27.41	26.719	-0.6918
18	30	HDR UNBIAS	28.537	27.179	-1.3571
19	30	HDR UNBIAS	27.515	26.143	-1.3726
20	30	HDR UNBIAS	27.881	26.652	-1.2285
21	50	HDR BIAS	26.613	25.344	-1.2694
22	50	HDR BIAS	29.094	27.32	-1.774
23	50	HDR BIAS	27.305	25.36	-1.9445
24	50	HDR BIAS	27.601	26.269	-1.3316
25	50	HDR BIAS	27.141	25.378	-1.7629
26	50	HDR UNBIAS	29.449	27.593	-1.8558
27	50	HDR UNBIAS	27.921	25.991	-1.93
28	50	HDR UNBIAS	27.828	26.205	-1.6228
29	50	HDR UNBIAS	26.954	25.032	-1.9217
30	50	HDR UNBIAS	29.315	27.579	-1.7358
41	0	CORRELATION	29.677	27.991	-1.6853
42	0	CORRELATION	26.881	28.166	1.2851
43	0	CORRELATION	31.323	29.825	-1.4986
45	0	CORRELATION	27.696	28.274	0.5786

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	26.881	28.894	31.323	2.0002	27.991	28.564	29.825	0.84847	-1.6853	-0.33005	1.2851	1.4873
20	26.901	27.723	28.998	0.74965	25.651	26.644	28.03	0.82677	-1.5478	-1.0794	-0.6838	0.23408
30	27.029	27.815	29.084	0.62123	25.623	26.627	28.016	0.67027	-1.4059	-1.1879	-0.6918	0.24495
50	26.613	27.922	29.449	1.022	25.032	26.207	27.593	0.97888	-1.9445	-1.7149	-1.2694	0.24076

Device Test: 19.8 PWM|DEADTIME/GATE/10/8///2MHz/@T_RHL





Test Results (Lower Limit = 36.0, Upper Limit = 55.0 (ns))

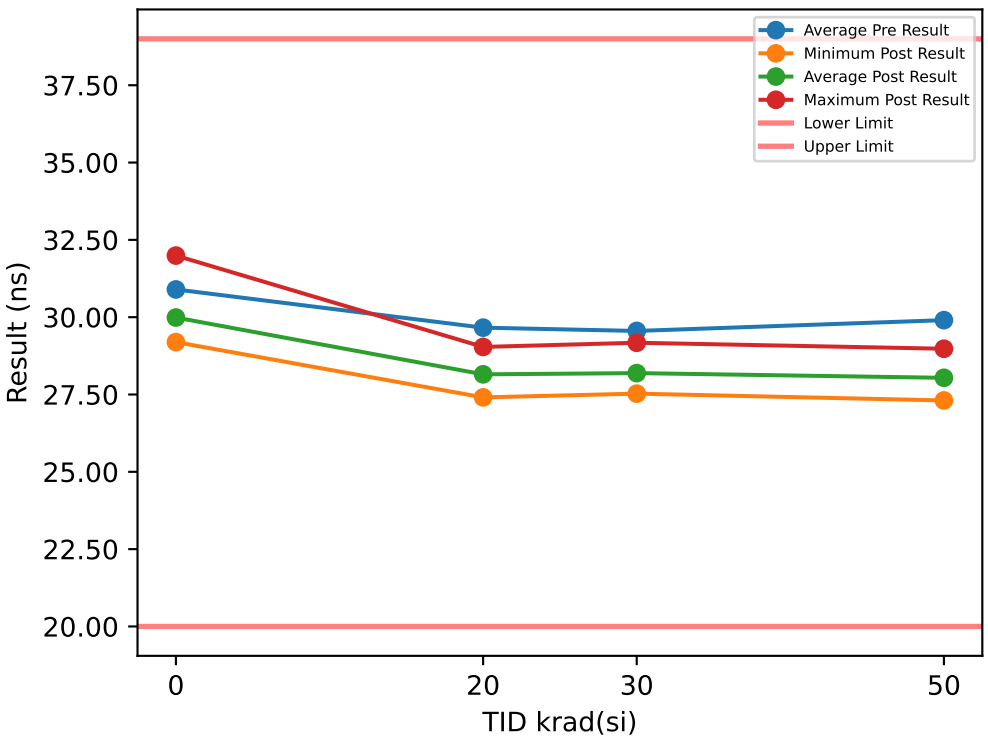
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	20	HDR BIAS	44.213	42.956	-1.2563
2	20	HDR BIAS	44.196	43.159	-1.0368
3	20	HDR BIAS	44.926	43.569	-1.357
4	20	HDR BIAS	47.142	46.117	-1.0248
5	20	HDR BIAS	45.928	44.788	-1.1401
6	20	HDR UNBIAS	46.791	45.455	-1.3359
7	20	HDR UNBIAS	46.636	45.236	-1.4
8	20	HDR UNBIAS	47.723	46.471	-1.2518
9	20	HDR UNBIAS	46.415	45.115	-1.3002
10	20	HDR UNBIAS	47.256	46.129	-1.1267
11	30	HDR BIAS	44.719	42.106	-2.613
12	30	HDR BIAS	45.427	43.712	-1.7154
13	30	HDR BIAS	46.094	44.079	-2.015
14	30	HDR BIAS	46.773	45.208	-1.5655
15	30	HDR BIAS	45.53	44.07	-1.4601
16	30	HDR UNBIAS	47.118	45.294	-1.824
17	30	HDR UNBIAS	46.137	43.974	-2.1635
18	30	HDR UNBIAS	48.187	46.467	-1.7198
19	30	HDR UNBIAS	45.3	43.478	-1.8226
20	30	HDR UNBIAS	46.71	45.004	-1.7059
21	50	HDR BIAS	46.113	43.425	-2.6876
22	50	HDR BIAS	47.093	44.826	-2.2667
23	50	HDR BIAS	46.052	43.358	-2.6937
24	50	HDR BIAS	46.595	44.304	-2.2913
25	50	HDR BIAS	46.07	43.219	-2.8504
26	50	HDR UNBIAS	47.573	44.717	-2.8558
27	50	HDR UNBIAS	43.481	40.807	-2.6744
28	50	HDR UNBIAS	46.453	43.739	-2.7133
29	50	HDR UNBIAS	46.595	43.047	-3.5478
30	50	HDR UNBIAS	45.573	43.351	-2.2221
41	0	CORRELATION	47.157	45.498	-1.6583
42	0	CORRELATION	46.835	47.727	0.8923
43	0	CORRELATION	47.274	45.737	-1.5372
45	0	CORRELATION	47.101	47.739	0.6376

Test Statistics (ns)

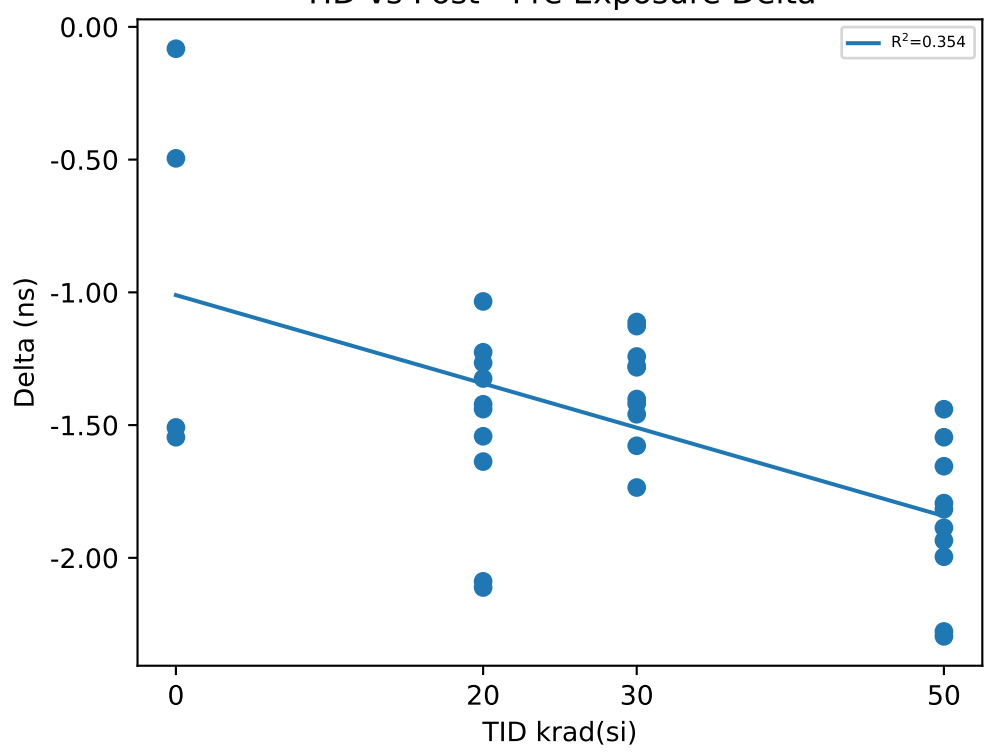
krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	46.835	47.092	47.274	0.18584	45.498	46.675	47.739	1.2251	-1.6583	-0.4164	0.8923	1.369
20	44.196	46.123	47.723	1.2697	42.956	44.9	46.471	1.2702	-1.4	-1.223	-1.0248	0.13335
30	44.719	46.2	48.187	1.0243	42.106	44.339	46.467	1.2033	-2.613	-1.8605	-1.4601	0.3328
50	43.481	46.16	47.573	1.0992	40.807	43.479	44.826	1.1316	-3.5478	-2.6803	-2.2221	0.38672

Device Test: 19.9 PWM|DEADTIME/GATE/12/10///0MHz/@T_RLH

TID vs Result Stats



TID vs Post - Pre Exposure Delta



Test Results (Lower Limit = 20.0, Upper Limit = 39.0 (ns))

Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	20	HDR BIAS	29.948	27.859	-2.0885
2	20	HDR BIAS	29.317	28.052	-1.2653
3	20	HDR BIAS	30.662	29.025	-1.6374
4	20	HDR BIAS	29.967	28.425	-1.5421
5	20	HDR BIAS	30.218	28.106	-2.1117
6	20	HDR UNBIAS	28.949	27.915	-1.0342
7	20	HDR UNBIAS	28.846	27.407	-1.4398
8	20	HDR UNBIAS	29.379	28.054	-1.3246
9	20	HDR UNBIAS	29.062	27.641	-1.4215
10	20	HDR UNBIAS	30.264	29.038	-1.2257
11	30	HDR BIAS	29.038	27.796	-1.2416
12	30	HDR BIAS	29.449	27.871	-1.5779
13	30	HDR BIAS	29.737	28.61	-1.1271
14	30	HDR BIAS	29.594	28.316	-1.278
15	30	HDR BIAS	29.268	27.849	-1.419
16	30	HDR UNBIAS	30.456	29.174	-1.2823
17	30	HDR UNBIAS	29.579	28.467	-1.1117
18	30	HDR UNBIAS	29.824	28.422	-1.4018
19	30	HDR UNBIAS	29.342	27.883	-1.4592
20	30	HDR UNBIAS	29.263	27.528	-1.7351
21	50	HDR BIAS	29.116	27.322	-1.7938
22	50	HDR BIAS	30.163	28.276	-1.8867
23	50	HDR BIAS	29.599	27.665	-1.9346
24	50	HDR BIAS	29.445	28.005	-1.4402
25	50	HDR BIAS	29.847	27.57	-2.2772
26	50	HDR UNBIAS	30.902	28.906	-1.9958
27	50	HDR UNBIAS	30.581	28.286	-2.2957
28	50	HDR UNBIAS	29.626	28.08	-1.5457
29	50	HDR UNBIAS	29.125	27.308	-1.817
30	50	HDR UNBIAS	30.634	28.98	-1.6549
41	0	CORRELATION	30.808	29.299	-1.5087
42	0	CORRELATION	29.551	29.469	-0.0824
43	0	CORRELATION	33.538	31.992	-1.5457
45	0	CORRELATION	29.689	29.194	-0.4952

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	29.551	30.897	33.538	1.8485	29.194	29.989	31.992	1.3404	-1.5457	-0.908	-0.0824	0.73474
20	28.846	29.661	30.662	0.63057	27.407	28.152	29.038	0.5377	-2.1117	-1.5091	-1.0342	0.35405
30	29.038	29.555	30.456	0.39587	27.528	28.192	29.174	0.49387	-1.7351	-1.3634	-1.1117	0.19602
50	29.116	29.904	30.902	0.63832	27.308	28.04	28.98	0.593	-2.2957	-1.8642	-1.4402	0.28122

B Appendix: LDR TID Report Data

This appendix contains the LDR TID report data.

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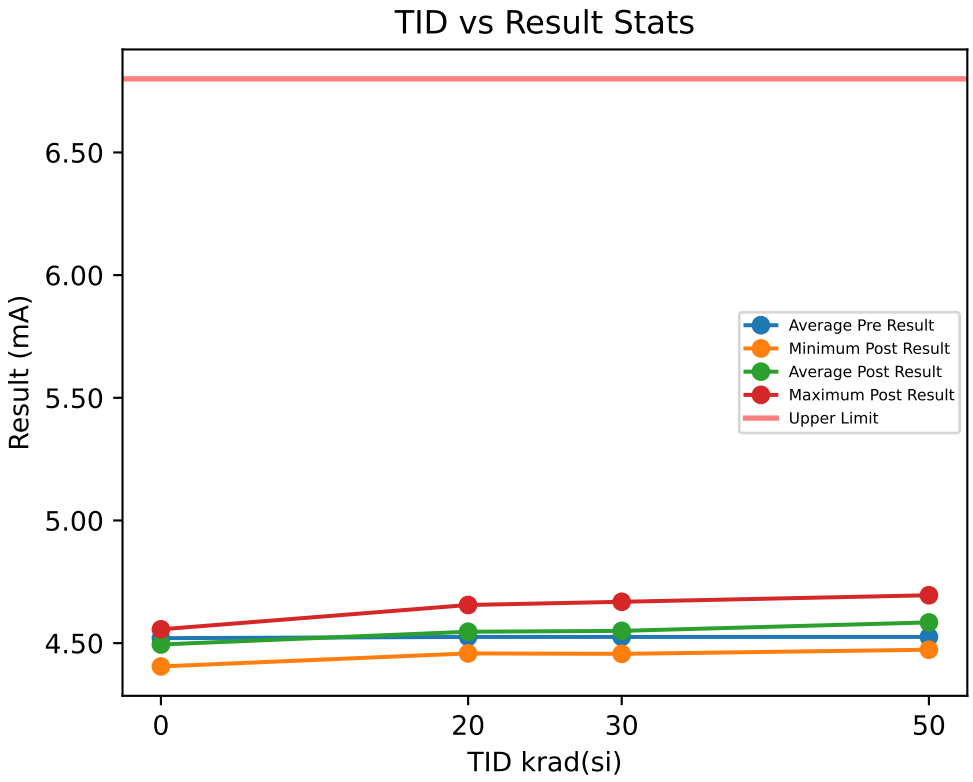
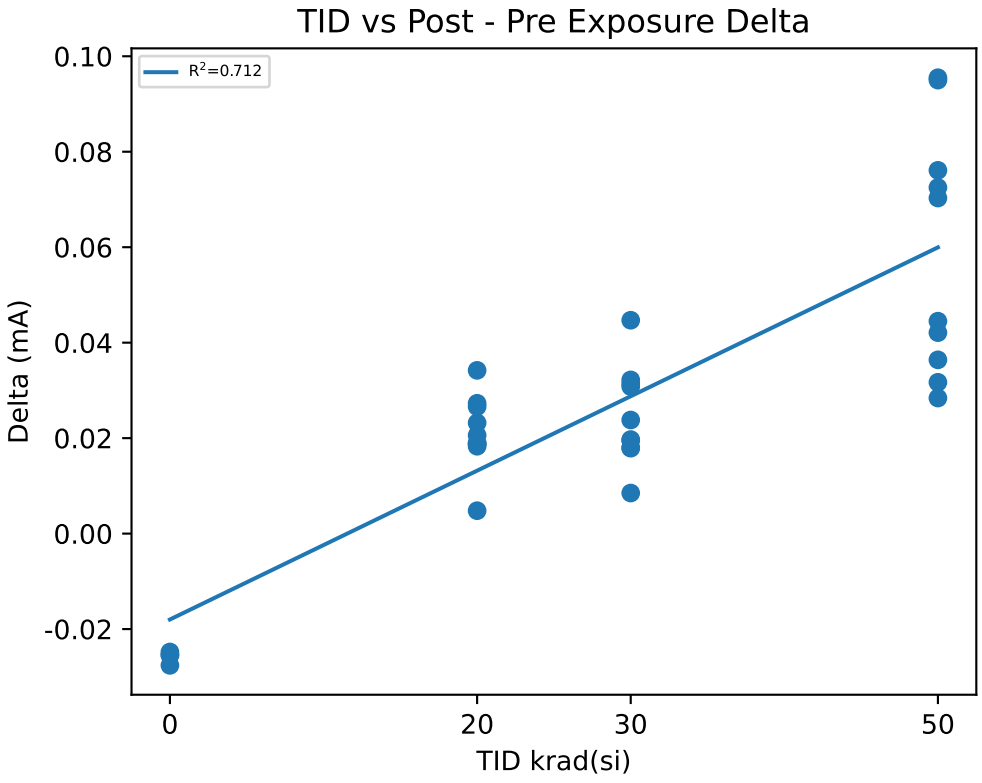
Device Test: 12.1 IQ|PWM/VIN/10/8///0MHz/@IQ_LS_PWM





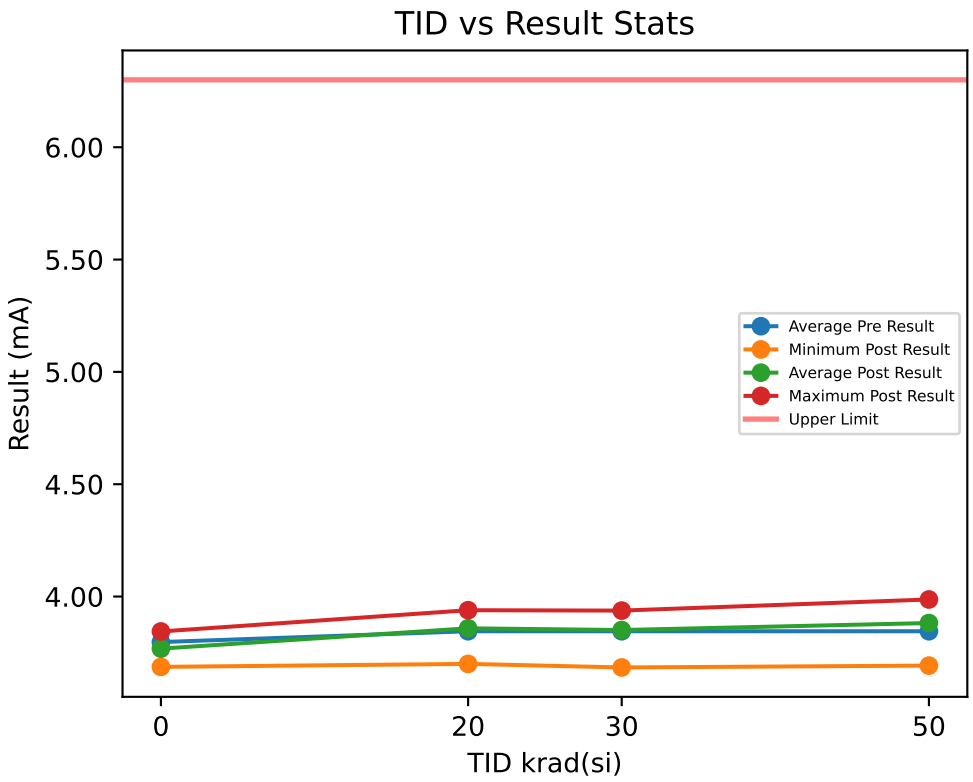
Test Results (Upper Limit = 6.8 (mA))

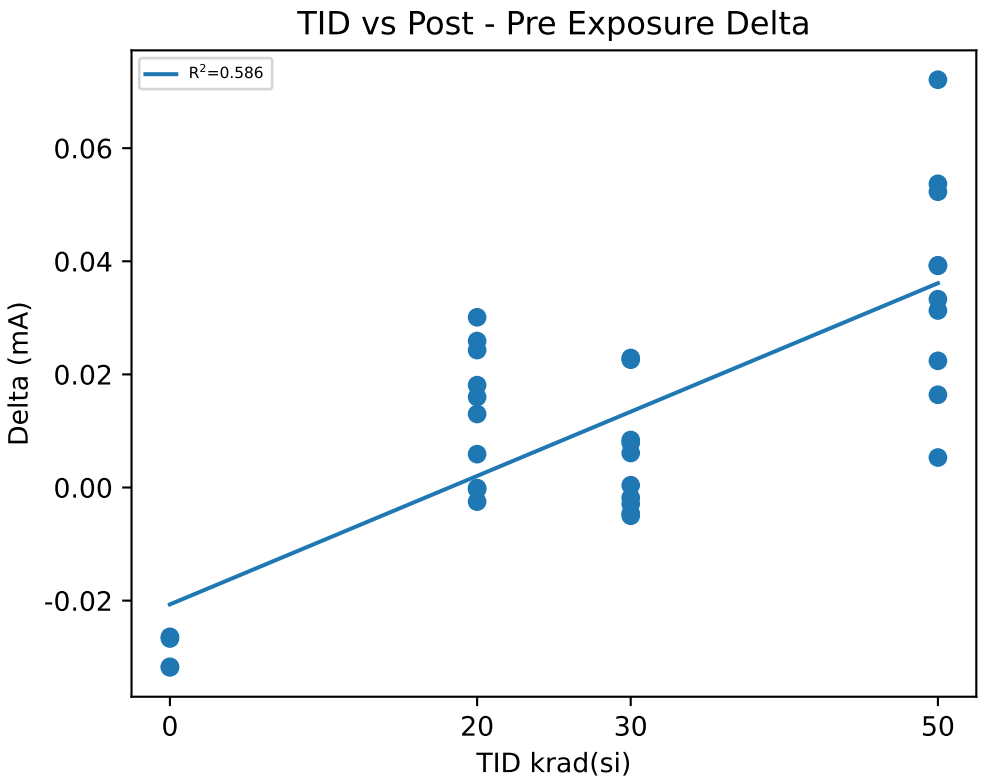
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
41	0	CORRELATION	4.5818	4.5563	-0.0255
42	0	CORRELATION	4.4298	4.405	-0.0248
43	0	CORRELATION	4.566	4.5406	-0.0254
45	0	CORRELATION	4.5036	4.476	-0.0276
71	20	LDR BIAS	4.4489	4.4695	0.0206
72	20	LDR BIAS	4.5864	4.6053	0.0189
73	20	LDR BIAS	4.4368	4.471	0.0342
74	20	LDR BIAS	4.5781	4.6054	0.0273
75	20	LDR BIAS	4.4984	4.5216	0.0232
76	20	LDR UNBIAS	4.4771	4.4958	0.0187
77	20	LDR UNBIAS	4.4316	4.4582	0.0266
78	20	LDR UNBIAS	4.5827	4.601	0.0183
79	20	LDR UNBIAS	4.6507	4.6555	0.0048
80	20	LDR UNBIAS	4.5628	4.5818	0.019
81	30	LDR BIAS	4.4489	4.4803	0.0314
82	30	LDR BIAS	4.5864	4.6044	0.018
83	30	LDR BIAS	4.4368	4.4563	0.0195
84	30	LDR BIAS	4.5781	4.5978	0.0197
85	30	LDR BIAS	4.4984	4.5306	0.0322
86	30	LDR UNBIAS	4.4771	4.4856	0.0085
87	30	LDR UNBIAS	4.4316	4.4624	0.0308
88	30	LDR UNBIAS	4.5827	4.6065	0.0238
89	30	LDR UNBIAS	4.6507	4.6686	0.0179
90	30	LDR UNBIAS	4.5628	4.6075	0.0447
91	50	LDR BIAS	4.4489	4.525	0.0761
92	50	LDR BIAS	4.5864	4.6181	0.0317
93	50	LDR BIAS	4.4368	4.4732	0.0364
94	50	LDR BIAS	4.5781	4.6202	0.0421
95	50	LDR BIAS	4.4984	4.5934	0.095
96	50	LDR UNBIAS	4.4771	4.5055	0.0284
97	50	LDR UNBIAS	4.4316	4.5041	0.0725
98	50	LDR UNBIAS	4.5827	4.653	0.0703
99	50	LDR UNBIAS	4.6507	4.6952	0.0445
100	50	LDR UNBIAS	4.5628	4.6583	0.0955

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	4.4298	4.5203	4.5818	0.069137	4.405	4.4945	4.5563	0.069034	-0.0276	-0.025825	-0.0248	0.001223
20	4.4316	4.5254	4.6507	0.076335	4.4582	4.5465	4.6555	0.071212	0.0048	0.02116	0.0342	0.0076989
30	4.4316	4.5254	4.6507	0.076335	4.4563	4.55	4.6686	0.075751	0.0085	0.02465	0.0447	0.010246
50	4.4316	4.5254	4.6507	0.076335	4.4732	4.5846	4.6952	0.077107	0.0284	0.05925	0.0955	0.025643

Device Test: 12.10 IQ|PWM/BOOT/12/10///0MHz/@IQ_HS_PWM





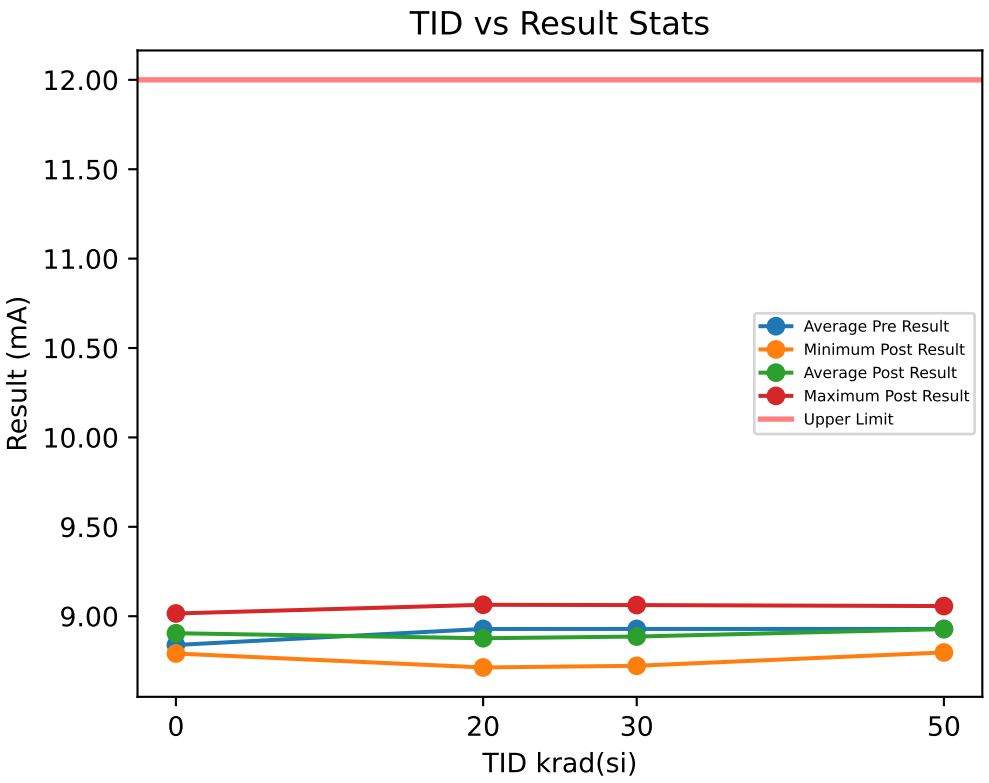
Test Results (Upper Limit = 6.3 (mA))

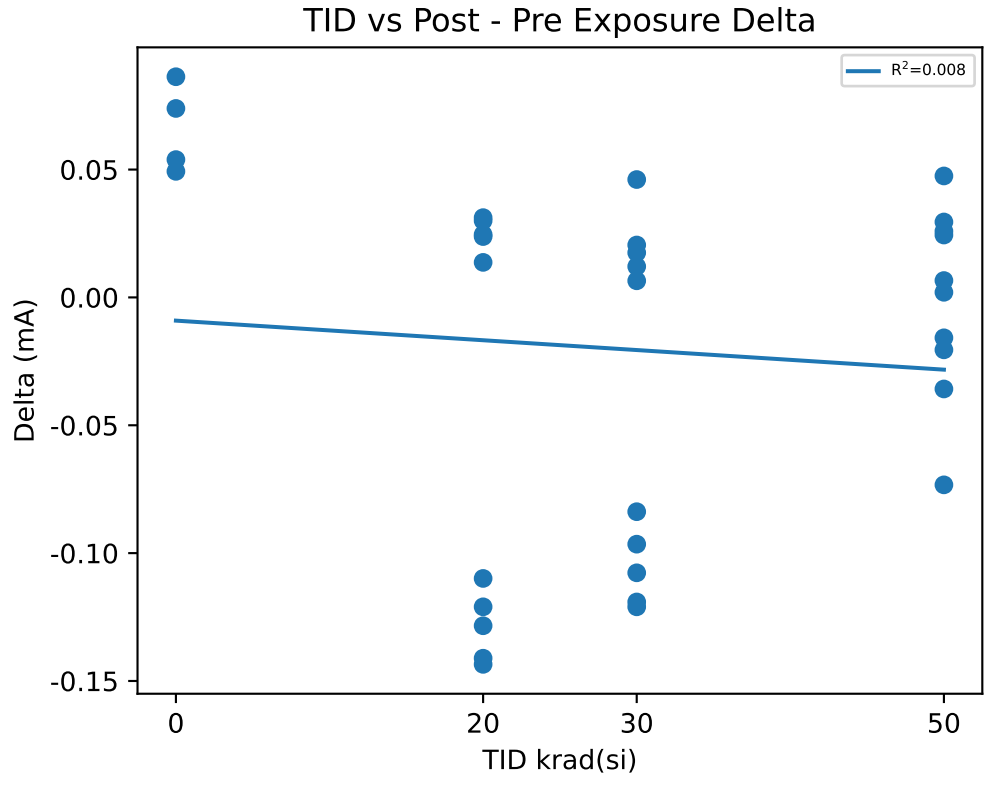
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
41	0	CORRELATION	3.7136	3.6869	-0.0267
42	0	CORRELATION	3.8663	3.8345	-0.0318
43	0	CORRELATION	3.7331	3.7067	-0.0264
45	0	CORRELATION	3.8762	3.8445	-0.0317
71	20	LDR BIAS	3.8116	3.8276	0.016
72	20	LDR BIAS	3.8997	3.9056	0.0059
73	20	LDR BIAS	3.8966	3.9267	0.0301
74	20	LDR BIAS	3.8032	3.8029	-0.0003
75	20	LDR BIAS	3.8214	3.8189	-0.0025
76	20	LDR UNBIAS	3.6872	3.7002	0.013
77	20	LDR UNBIAS	3.8639	3.8898	0.0259
78	20	LDR UNBIAS	3.9148	3.9391	0.0243
79	20	LDR UNBIAS	3.9101	3.9282	0.0181
80	20	LDR UNBIAS	3.8465	3.8464	-0.0001
81	30	LDR BIAS	3.8116	3.8098	-0.0018
82	30	LDR BIAS	3.8997	3.9001	0.0004
83	30	LDR BIAS	3.8966	3.9045	0.0079
84	30	LDR BIAS	3.8032	3.7982	-0.005
85	30	LDR BIAS	3.8214	3.8298	0.0084
86	30	LDR UNBIAS	3.6872	3.6843	-0.0029
87	30	LDR UNBIAS	3.8639	3.8868	0.0229
88	30	LDR UNBIAS	3.9148	3.9374	0.0226
89	30	LDR UNBIAS	3.9101	3.9162	0.0061
90	30	LDR UNBIAS	3.8465	3.8419	-0.0046
91	50	LDR BIAS	3.8116	3.8509	0.0393
92	50	LDR BIAS	3.8997	3.931	0.0313
93	50	LDR BIAS	3.8966	3.9503	0.0537
94	50	LDR BIAS	3.8032	3.8256	0.0224
95	50	LDR BIAS	3.8214	3.8737	0.0523
96	50	LDR UNBIAS	3.6872	3.6925	0.0053
97	50	LDR UNBIAS	3.8639	3.8972	0.0333
98	50	LDR UNBIAS	3.9148	3.9869	0.0721
99	50	LDR UNBIAS	3.9101	3.9493	0.0392
100	50	LDR UNBIAS	3.8465	3.8629	0.0164

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	3.7136	3.7973	3.8762	0.085856	3.6869	3.7681	3.8445	0.082884	-0.0318	-0.02915	-0.0264	0.003005
20	3.6872	3.8455	3.9148	0.069476	3.7002	3.8585	3.9391	0.074553	-0.0025	0.01304	0.0301	0.011835
30	3.6872	3.8455	3.9148	0.069476	3.6843	3.8509	3.9374	0.075334	-0.005	0.0054	0.0229	0.010391
50	3.6872	3.8455	3.9148	0.069476	3.6925	3.882	3.9869	0.08388	0.0053	0.03653	0.0721	0.019555

Device Test: 12.11 IOP|PWM/VIN/12/10///0.5MHz/@I_OP_LS_PWM_500KHZ





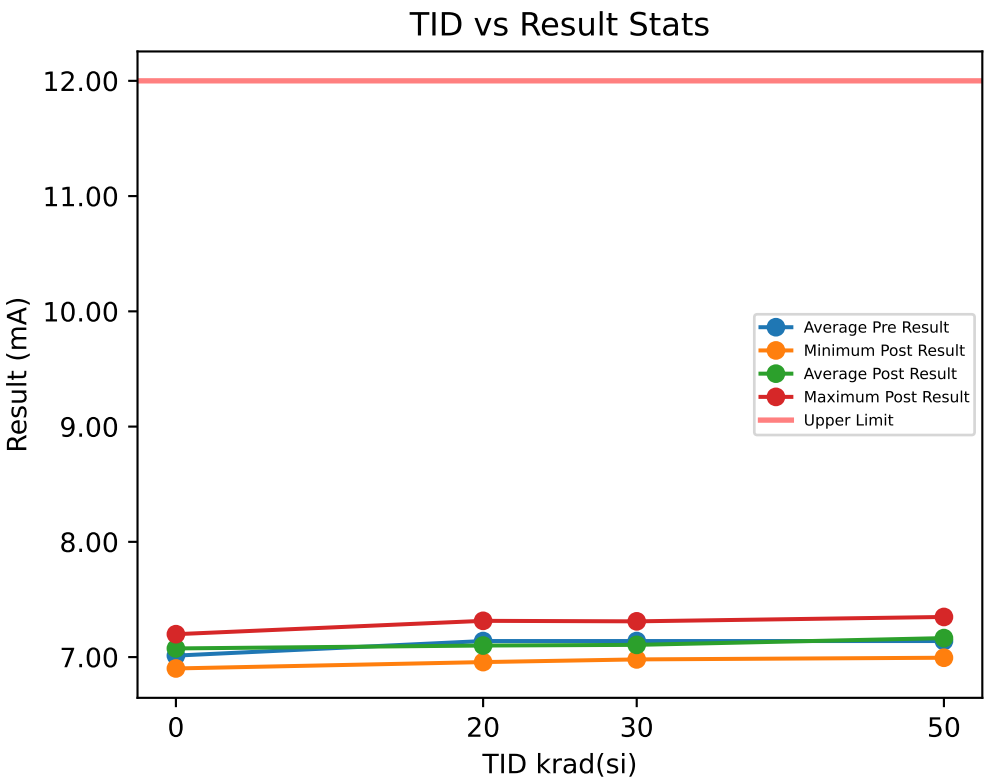
Test Results (Upper Limit = 12.0 (mA))

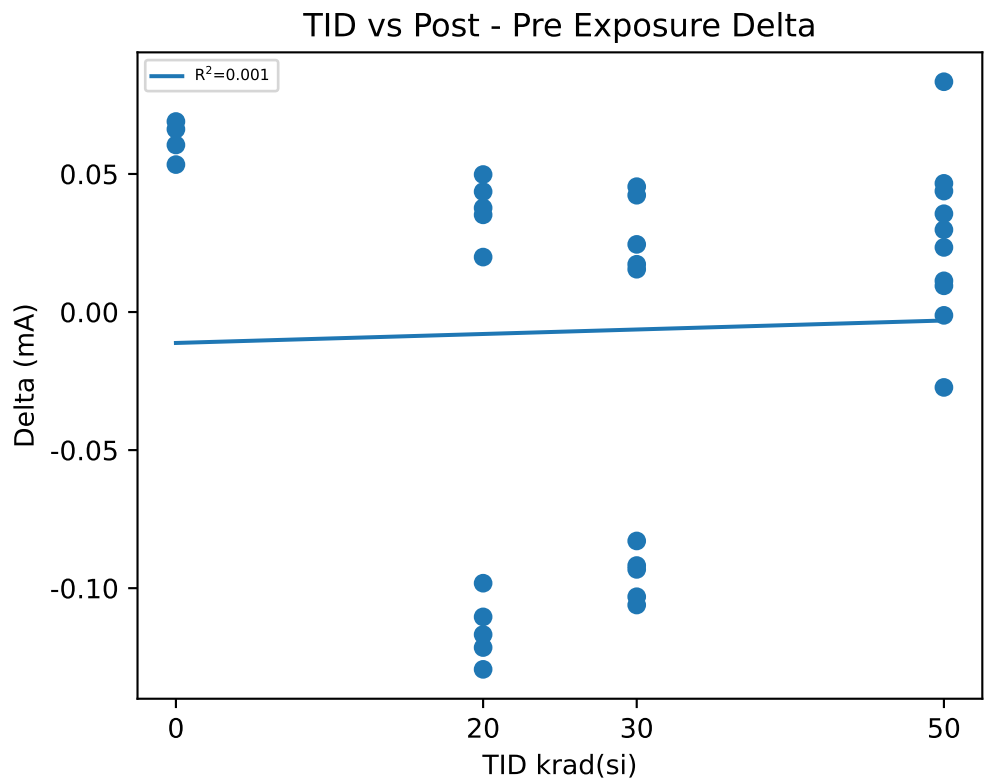
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
41	0	CORRELATION	8.9289	9.0152	0.0863
42	0	CORRELATION	8.7374	8.7913	0.0539
43	0	CORRELATION	8.8708	8.9201	0.0493
45	0	CORRELATION	8.8187	8.8926	0.0739
71	20	LDR BIAS	8.9111	8.7901	-0.121
72	20	LDR BIAS	8.9768	8.8357	-0.1411
73	20	LDR BIAS	8.8417	8.7133	-0.1284
74	20	LDR BIAS	9.0079	8.898	-0.1099
75	20	LDR BIAS	8.8825	8.739	-0.1435
76	20	LDR UNBIAS	8.813	8.8368	0.0238
77	20	LDR UNBIAS	8.8206	8.8452	0.0246
78	20	LDR UNBIAS	9.0191	9.0503	0.0312
79	20	LDR UNBIAS	9.0501	9.0638	0.0137
80	20	LDR UNBIAS	8.9641	8.9941	0.03
81	30	LDR BIAS	8.9111	8.8273	-0.0838
82	30	LDR BIAS	8.9768	8.8558	-0.121
83	30	LDR BIAS	8.8417	8.7226	-0.1191
84	30	LDR BIAS	9.0079	8.9114	-0.0965
85	30	LDR BIAS	8.8825	8.7748	-0.1077
86	30	LDR UNBIAS	8.813	8.8195	0.0065
87	30	LDR UNBIAS	8.8206	8.8381	0.0175
88	30	LDR UNBIAS	9.0191	9.0396	0.0205
89	30	LDR UNBIAS	9.0501	9.0622	0.0121
90	30	LDR UNBIAS	8.9641	9.0102	0.0461
91	50	LDR BIAS	8.9111	8.9355	0.0244
92	50	LDR BIAS	8.9768	8.9035	-0.0733
93	50	LDR BIAS	8.8417	8.8059	-0.0358
94	50	LDR BIAS	9.0079	8.9874	-0.0205
95	50	LDR BIAS	8.8825	8.8845	0.002
96	50	LDR UNBIAS	8.813	8.7972	-0.0158
97	50	LDR UNBIAS	8.8206	8.8501	0.0295
98	50	LDR UNBIAS	9.0191	9.045	0.0259
99	50	LDR UNBIAS	9.0501	9.0567	0.0066
100	50	LDR UNBIAS	8.9641	9.0116	0.0475

Test Statistics (mA)

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	8.7374	8.839	8.9289	0.081298	8.7913	8.9048	9.0152	0.092111	0.0493	0.06585	0.0863	0.017318
20	8.813	8.9287	9.0501	0.086817	8.7133	8.8766	9.0638	0.12329	-0.1435	-0.05206	0.0312	0.081539
30	8.813	8.9287	9.0501	0.086817	8.7226	8.8862	9.0622	0.11588	-0.121	-0.04254	0.0461	0.068072
50	8.813	8.9287	9.0501	0.086817	8.7972	8.9277	9.0567	0.095104	-0.0733	-0.00095	0.0475	0.036141

Device Test: 12.12 IOP|PWM/BOOT/12/10///0.5MHz/@I_OP_HS_PWM_500KHZ





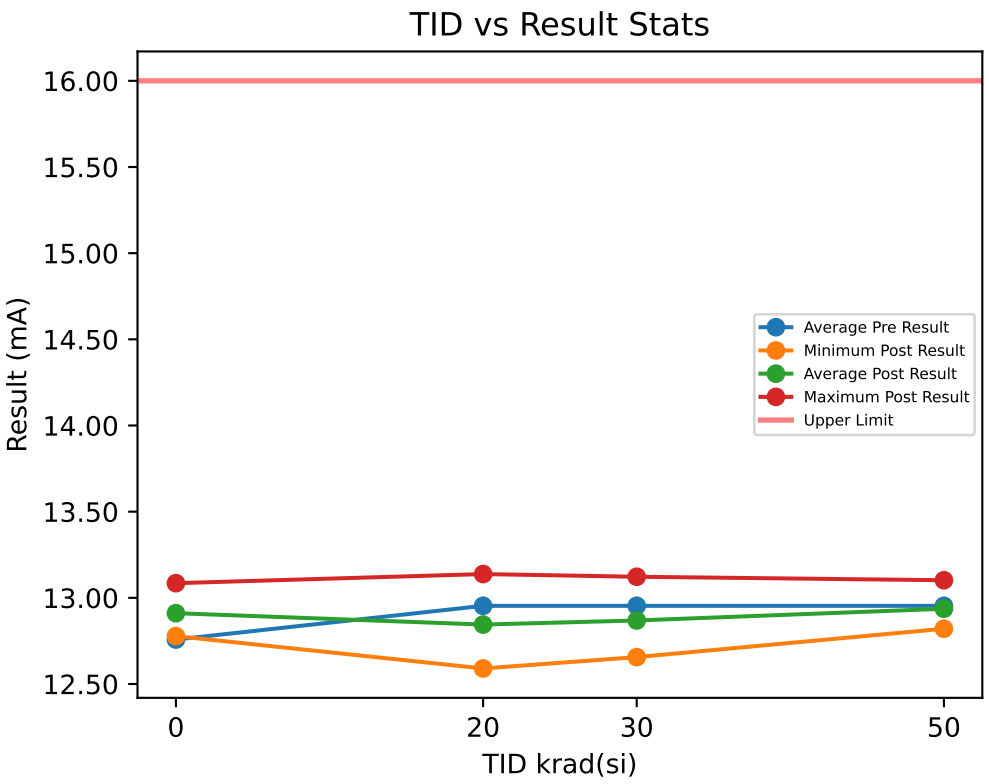
Test Results (Upper Limit = 12.0 (mA))

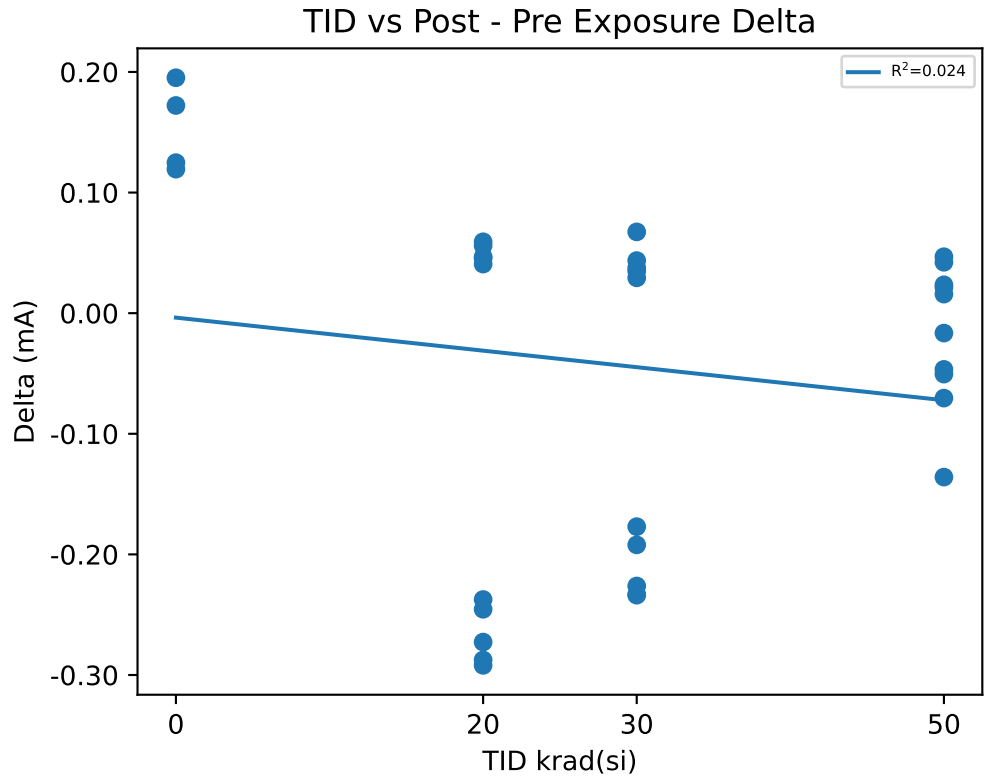
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
41	0	CORRELATION	6.848	6.9014	0.0534
42	0	CORRELATION	7.1325	7.1987	0.0662
43	0	CORRELATION	7.0134	7.0824	0.069
45	0	CORRELATION	7.0575	7.118	0.0605
71	20	LDR BIAS	7.2028	7.0924	-0.1104
72	20	LDR BIAS	7.0875	6.966	-0.1215
73	20	LDR BIAS	7.1996	7.1014	-0.0982
74	20	LDR BIAS	7.086	6.9566	-0.1294
75	20	LDR BIAS	7.1137	6.9969	-0.1168
76	20	LDR UNBIAS	6.9831	7.0183	0.0352
77	20	LDR UNBIAS	7.1369	7.1805	0.0436
78	20	LDR UNBIAS	7.2648	7.3146	0.0498
79	20	LDR UNBIAS	7.2002	7.2379	0.0377
80	20	LDR UNBIAS	7.1184	7.1383	0.0199
81	30	LDR BIAS	7.2028	7.0997	-0.1031
82	30	LDR BIAS	7.0875	6.9957	-0.0918
83	30	LDR BIAS	7.1996	7.1064	-0.0932
84	30	LDR BIAS	7.086	6.9799	-0.1061
85	30	LDR BIAS	7.1137	7.0308	-0.0829
86	30	LDR UNBIAS	6.9831	7.0004	0.0173
87	30	LDR UNBIAS	7.1369	7.1792	0.0423
88	30	LDR UNBIAS	7.2648	7.3102	0.0454
89	30	LDR UNBIAS	7.2002	7.2247	0.0245
90	30	LDR UNBIAS	7.1184	7.1339	0.0155
91	50	LDR BIAS	7.2028	7.2016	-0.0012
92	50	LDR BIAS	7.0875	7.097	0.0095
93	50	LDR BIAS	7.1996	7.2352	0.0356
94	50	LDR BIAS	7.086	7.0587	-0.0273
95	50	LDR BIAS	7.1137	7.1435	0.0298
96	50	LDR UNBIAS	6.9831	6.9944	0.0113
97	50	LDR UNBIAS	7.1369	7.1807	0.0438
98	50	LDR UNBIAS	7.2648	7.3482	0.0834
99	50	LDR UNBIAS	7.2002	7.2468	0.0466
100	50	LDR UNBIAS	7.1184	7.1418	0.0234

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	6.848	7.0129	7.1325	0.1204	6.9014	7.0751	7.1987	0.12562	0.0534	0.062275	0.069	0.0068932
20	6.9831	7.1393	7.2648	0.08038	6.9566	7.1003	7.3146	0.11968	-0.1294	-0.03901	0.0498	0.081103
30	6.9831	7.1393	7.2648	0.08038	6.9799	7.1061	7.3102	0.10895	-0.1061	-0.03321	0.0454	0.066528
50	6.9831	7.1393	7.2648	0.08038	6.9944	7.1648	7.3482	0.10154	-0.0273	0.02549	0.0834	0.030214

Device Test: 12.13 IOP|PWM/VIN/12/10///1MHz/@I_OP_LS_PWM_1MHZ





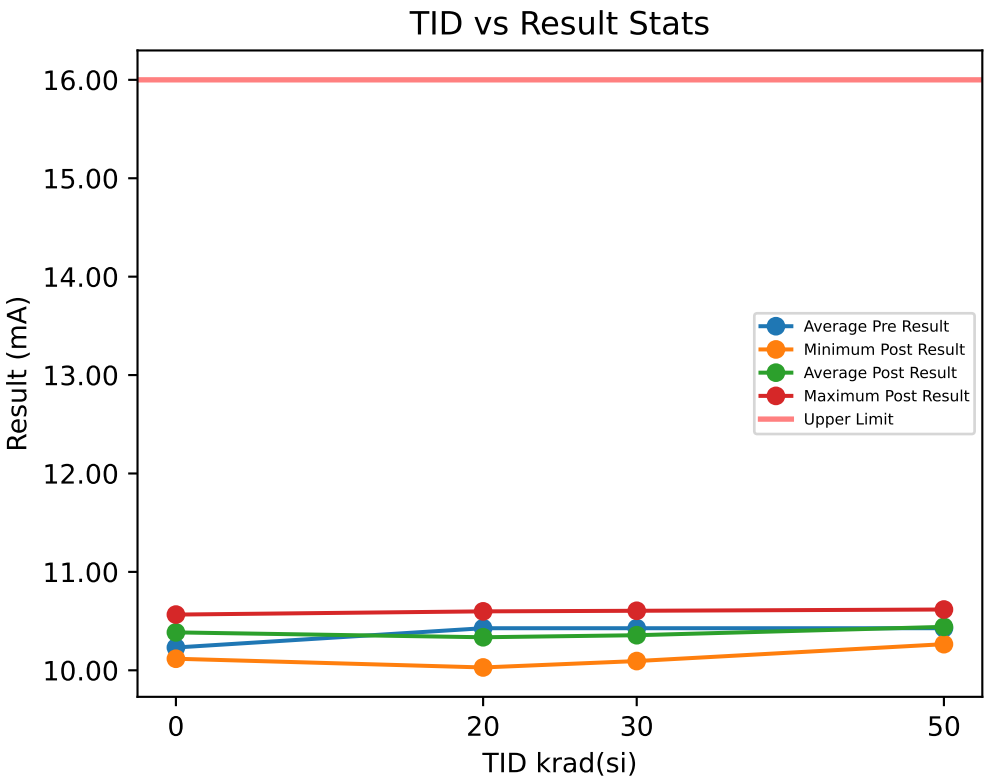
Test Results (Upper Limit = 16.0 (mA))

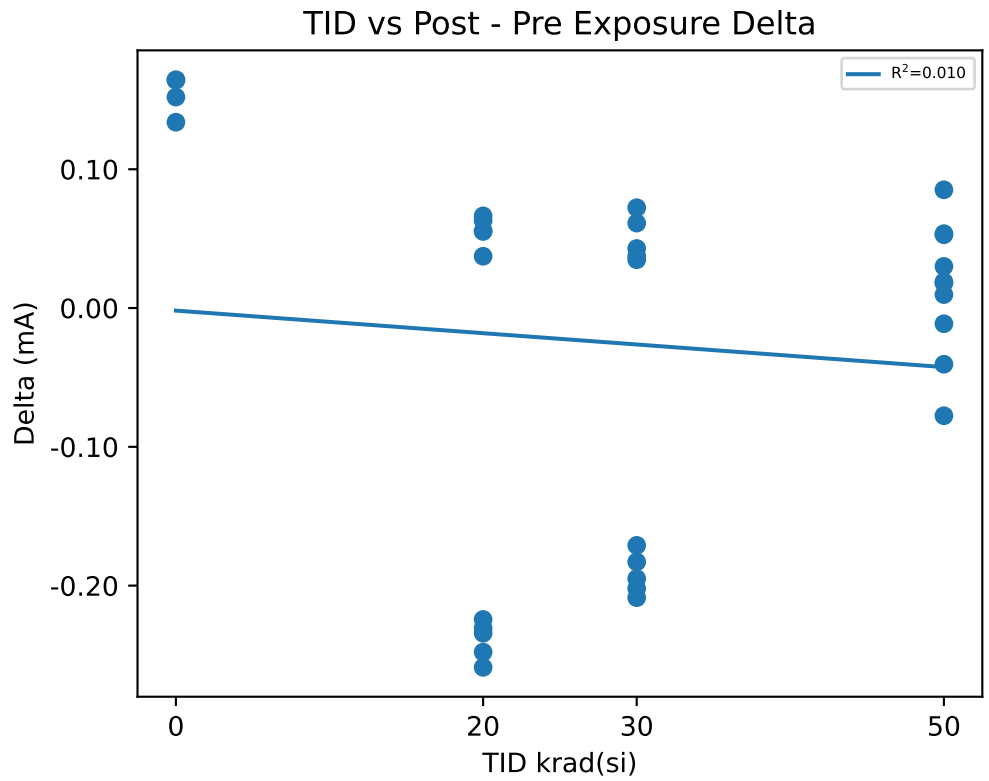
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
41	0	CORRELATION	12.89	13.085	0.1952
42	0	CORRELATION	12.653	12.778	0.1248
43	0	CORRELATION	12.768	12.887	0.1194
45	0	CORRELATION	12.722	12.894	0.1722
71	20	LDR BIAS	12.971	12.726	-0.2455
72	20	LDR BIAS	12.983	12.695	-0.2875
73	20	LDR BIAS	12.898	12.626	-0.2727
74	20	LDR BIAS	13.045	12.808	-0.2374
75	20	LDR BIAS	12.882	12.59	-0.292
76	20	LDR UNBIAS	12.846	12.892	0.0468
77	20	LDR UNBIAS	12.778	12.824	0.0455
78	20	LDR UNBIAS	13.079	13.138	0.0592
79	20	LDR UNBIAS	13.054	13.095	0.0407
80	20	LDR UNBIAS	12.999	13.055	0.056
81	30	LDR BIAS	12.971	12.794	-0.177
82	30	LDR BIAS	12.983	12.749	-0.2338
83	30	LDR BIAS	12.898	12.665	-0.2332
84	30	LDR BIAS	13.045	12.853	-0.1921
85	30	LDR BIAS	12.882	12.656	-0.2262
86	30	LDR UNBIAS	12.846	12.875	0.0293
87	30	LDR UNBIAS	12.778	12.816	0.0376
88	30	LDR UNBIAS	13.079	13.122	0.0436
89	30	LDR UNBIAS	13.054	13.089	0.0349
90	30	LDR UNBIAS	12.999	13.066	0.0674
91	50	LDR BIAS	12.971	12.987	0.0158
92	50	LDR BIAS	12.983	12.847	-0.1359
93	50	LDR BIAS	12.898	12.828	-0.0704
94	50	LDR BIAS	13.045	12.999	-0.0466
95	50	LDR BIAS	12.882	12.832	-0.0505
96	50	LDR UNBIAS	12.846	12.829	-0.0165
97	50	LDR UNBIAS	12.778	12.821	0.0422
98	50	LDR UNBIAS	13.079	13.102	0.0235
99	50	LDR UNBIAS	13.054	13.076	0.0214
100	50	LDR UNBIAS	12.999	13.046	0.0468

Test Statistics (mA)

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	12.653	12.758	12.89	0.099617	12.778	12.911	13.085	0.12761	0.1194	0.1529	0.1952	0.036849
20	12.778	12.954	13.079	0.098806	12.59	12.845	13.138	0.19612	-0.292	-0.10869	0.0592	0.16778
30	12.778	12.954	13.079	0.098806	12.656	12.869	13.122	0.1705	-0.2338	-0.08495	0.0674	0.1359
50	12.778	12.954	13.079	0.098806	12.821	12.937	13.102	0.11591	-0.1359	-0.01702	0.0468	0.058455

Device Test: 12.14 IOP|PWM/BOOT/12/10///1MHz/@I_OP_HS_PWM_1MHZ





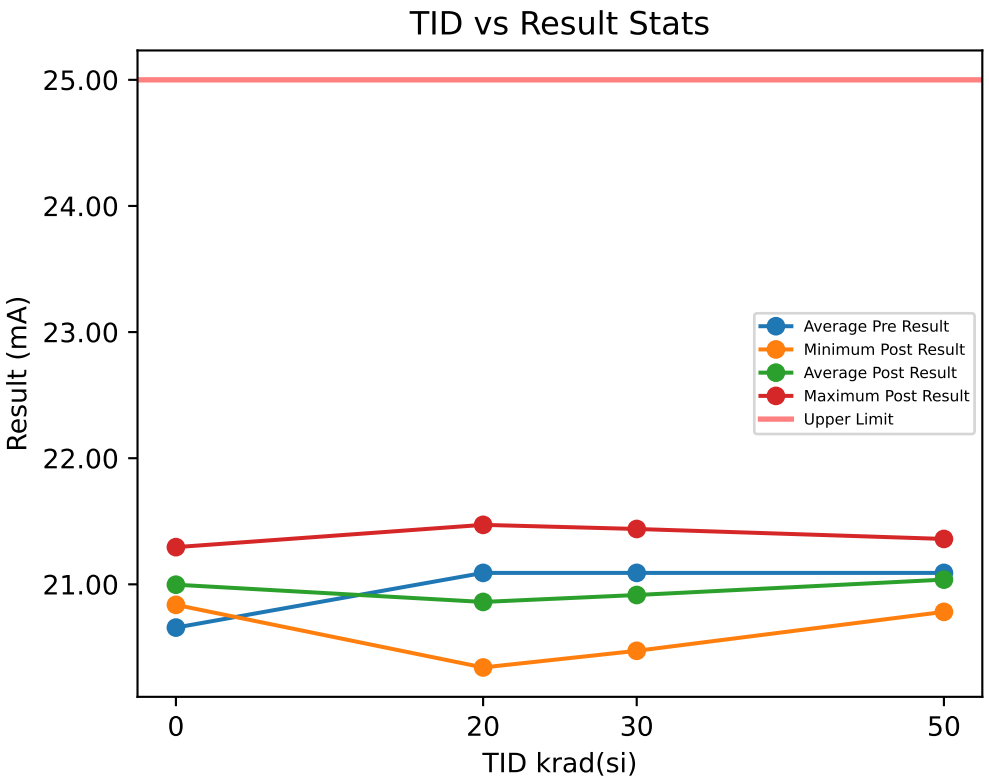
Test Results (Upper Limit = 16.0 (mA))

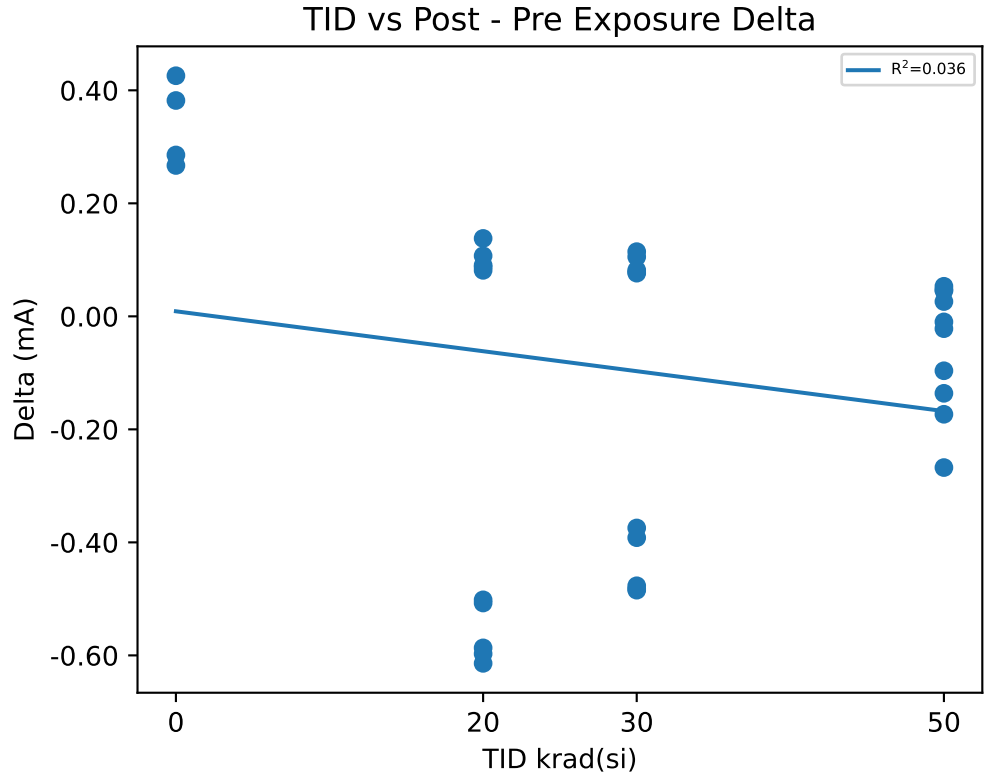
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
41	0	CORRELATION	9.9836	10.117	0.1339
42	0	CORRELATION	10.402	10.566	0.1645
43	0	CORRELATION	10.299	10.463	0.1642
45	0	CORRELATION	10.242	10.395	0.152
71	20	LDR BIAS	10.597	10.363	-0.2343
72	20	LDR BIAS	10.277	10.029	-0.2479
73	20	LDR BIAS	10.507	10.282	-0.2244
74	20	LDR BIAS	10.374	10.115	-0.2589
75	20	LDR BIAS	10.408	10.177	-0.2307
76	20	LDR UNBIAS	10.281	10.336	0.0552
77	20	LDR UNBIAS	10.412	10.475	0.0629
78	20	LDR UNBIAS	10.533	10.599	0.0664
79	20	LDR UNBIAS	10.494	10.55	0.0556
80	20	LDR UNBIAS	10.393	10.431	0.0373
81	30	LDR BIAS	10.597	10.395	-0.2021
82	30	LDR BIAS	10.277	10.094	-0.1829
83	30	LDR BIAS	10.507	10.312	-0.195
84	30	LDR BIAS	10.374	10.165	-0.2087
85	30	LDR BIAS	10.408	10.237	-0.171
86	30	LDR UNBIAS	10.281	10.318	0.0374
87	30	LDR UNBIAS	10.412	10.474	0.0612
88	30	LDR UNBIAS	10.533	10.605	0.0723
89	30	LDR UNBIAS	10.494	10.537	0.0429
90	30	LDR UNBIAS	10.393	10.428	0.0348
91	50	LDR BIAS	10.597	10.557	-0.0405
92	50	LDR BIAS	10.277	10.265	-0.0113
93	50	LDR BIAS	10.507	10.525	0.0189
94	50	LDR BIAS	10.374	10.296	-0.0776
95	50	LDR BIAS	10.408	10.418	0.0097
96	50	LDR UNBIAS	10.281	10.299	0.018
97	50	LDR UNBIAS	10.412	10.466	0.0536
98	50	LDR UNBIAS	10.533	10.618	0.0852
99	50	LDR UNBIAS	10.494	10.547	0.0528
100	50	LDR UNBIAS	10.393	10.424	0.03

Test Statistics (mA)

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	9.9836	10.232	10.402	0.17801	10.117	10.385	10.566	0.19196	0.1339	0.15365	0.1645	0.014397
20	10.277	10.428	10.597	0.10516	10.029	10.336	10.599	0.18715	-0.2589	-0.09188	0.0664	0.15579
30	10.277	10.428	10.597	0.10516	10.094	10.357	10.605	0.16262	-0.2087	-0.07111	0.0723	0.12823
50	10.277	10.428	10.597	0.10516	10.265	10.441	10.618	0.12316	-0.0776	0.01388	0.0852	0.047677

Device Test: 12.15 IOP|PWM/VIN/12/10///2MHz/@I_OP_LS_PWM_2MHZ





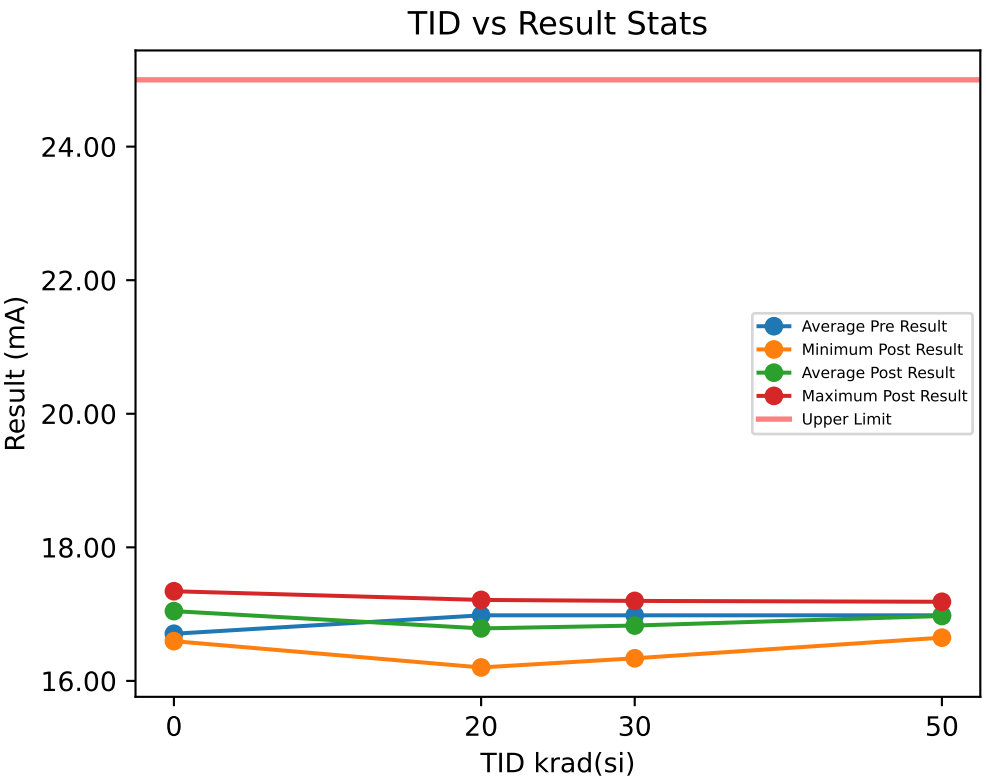
Test Results (Upper Limit = 25.0 (mA))

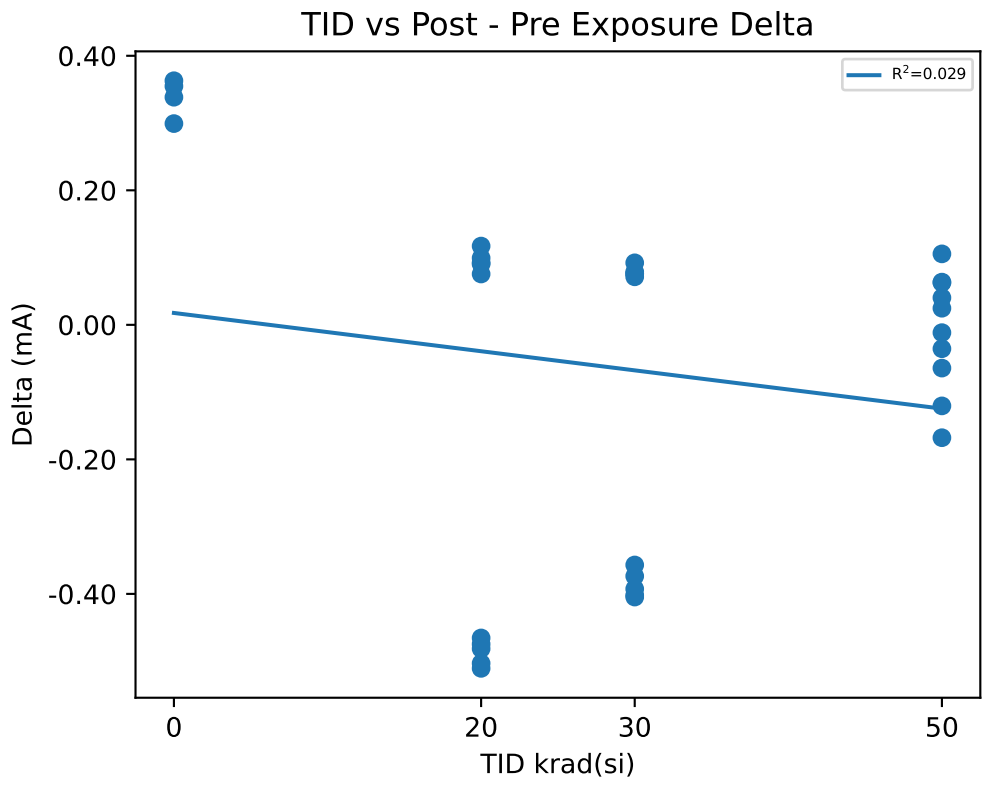
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
41	0	CORRELATION	20.869	21.295	0.4258
42	0	CORRELATION	20.552	20.837	0.2856
43	0	CORRELATION	20.599	20.866	0.267
45	0	CORRELATION	20.608	20.99	0.382
71	20	LDR BIAS	21.159	20.652	-0.5073
72	20	LDR BIAS	21.071	20.474	-0.5972
73	20	LDR BIAS	21.105	20.518	-0.5867
74	20	LDR BIAS	21.195	20.694	-0.5017
75	20	LDR BIAS	20.955	20.341	-0.6141
76	20	LDR UNBIAS	21.01	21.097	0.0871
77	20	LDR UNBIAS	20.808	20.889	0.0814
78	20	LDR UNBIAS	21.334	21.471	0.1379
79	20	LDR UNBIAS	21.117	21.207	0.0905
80	20	LDR UNBIAS	21.152	21.259	0.1071
81	30	LDR BIAS	21.159	20.785	-0.3745
82	30	LDR BIAS	21.071	20.587	-0.4846
83	30	LDR BIAS	21.105	20.628	-0.4768
84	30	LDR BIAS	21.195	20.804	-0.3917
85	30	LDR BIAS	20.955	20.473	-0.4822
86	30	LDR UNBIAS	21.01	21.086	0.0764
87	30	LDR UNBIAS	20.808	20.89	0.0819
88	30	LDR UNBIAS	21.334	21.439	0.1053
89	30	LDR UNBIAS	21.117	21.196	0.0786
90	30	LDR UNBIAS	21.152	21.266	0.1145
91	50	LDR BIAS	21.159	21.149	-0.0098
92	50	LDR BIAS	21.071	20.804	-0.2676
93	50	LDR BIAS	21.105	20.969	-0.1362
94	50	LDR BIAS	21.195	21.099	-0.0963
95	50	LDR BIAS	20.955	20.782	-0.1733
96	50	LDR UNBIAS	21.01	20.988	-0.0218
97	50	LDR UNBIAS	20.808	20.861	0.0532
98	50	LDR UNBIAS	21.334	21.36	0.0262
99	50	LDR UNBIAS	21.117	21.162	0.0454
100	50	LDR UNBIAS	21.152	21.199	0.0472

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	20.552	20.657	20.869	0.14352	20.837	20.997	21.295	0.20925	0.267	0.3401	0.4258	0.076188
20	20.808	21.091	21.334	0.14322	20.341	20.86	21.471	0.38251	-0.6141	-0.2303	0.1379	0.35112
30	20.808	21.091	21.334	0.14322	20.473	20.915	21.439	0.31998	-0.4846	-0.17531	0.1145	0.28362
50	20.808	21.091	21.334	0.14322	20.782	21.037	21.36	0.18865	-0.2676	-0.0533	0.0532	0.11027

Device Test: 12.16 IOP|PWM/BOOT/12/10///2MHz/@I_OP_HS_PWM_2MHZ





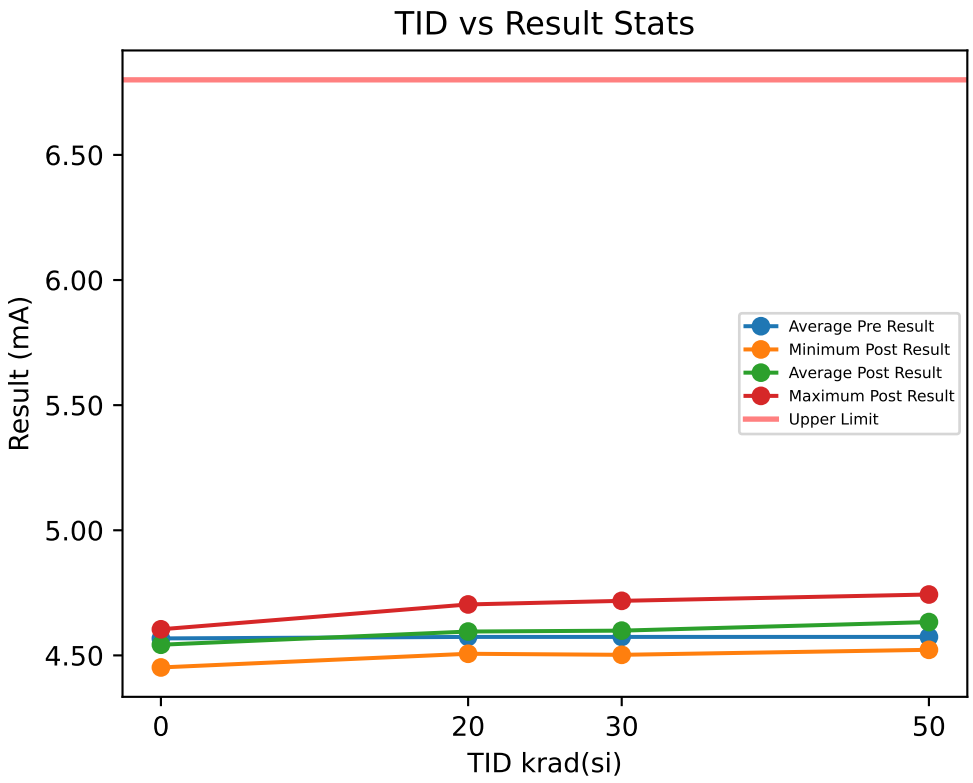
Test Results (Upper Limit = 25.0 (mA))

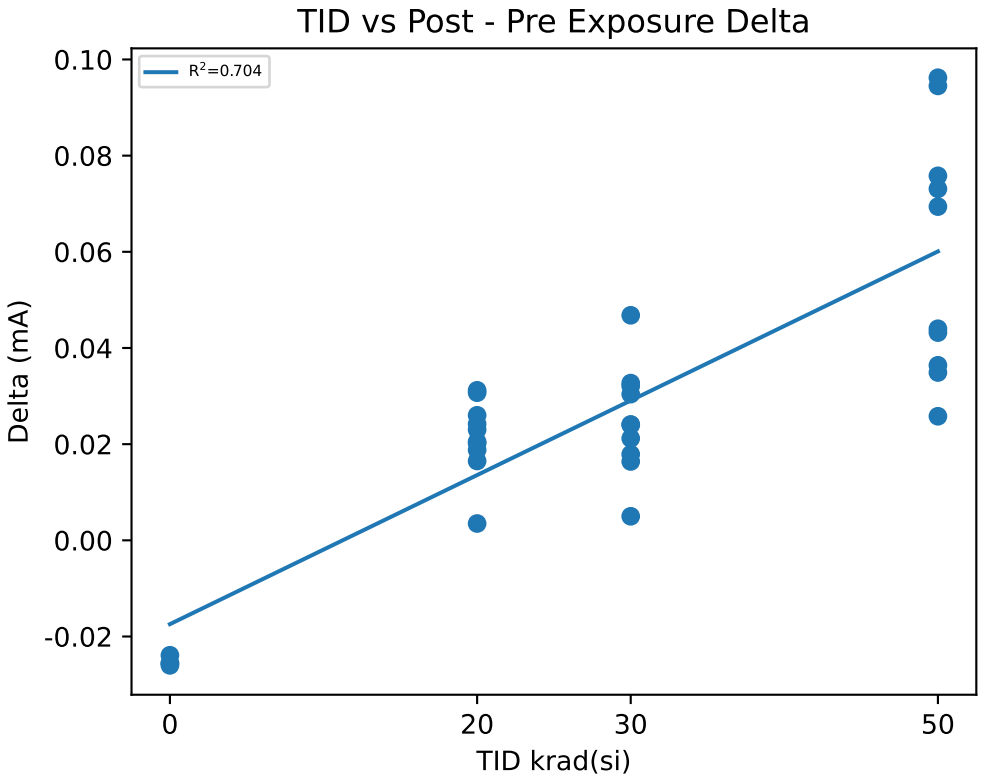
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
41	0	CORRELATION	16.296	16.595	0.2992
42	0	CORRELATION	16.98	17.342	0.3629
43	0	CORRELATION	16.893	17.248	0.3548
45	0	CORRELATION	16.655	16.994	0.3384
71	20	LDR BIAS	17.177	16.695	-0.4815
72	20	LDR BIAS	16.712	16.201	-0.5107
73	20	LDR BIAS	17.113	16.638	-0.4747
74	20	LDR BIAS	16.92	16.417	-0.5032
75	20	LDR BIAS	17.038	16.572	-0.4655
76	20	LDR UNBIAS	16.92	17.012	0.0924
77	20	LDR UNBIAS	16.756	16.855	0.0994
78	20	LDR UNBIAS	17.074	17.191	0.1171
79	20	LDR UNBIAS	17.122	17.212	0.0904
80	20	LDR UNBIAS	16.99	17.065	0.0756
81	30	LDR BIAS	17.177	16.772	-0.4047
82	30	LDR BIAS	16.712	16.338	-0.3736
83	30	LDR BIAS	17.113	16.72	-0.3926
84	30	LDR BIAS	16.92	16.518	-0.4019
85	30	LDR BIAS	17.038	16.681	-0.357
86	30	LDR UNBIAS	16.92	16.996	0.0761
87	30	LDR UNBIAS	16.756	16.848	0.0922
88	30	LDR UNBIAS	17.074	17.153	0.0788
89	30	LDR UNBIAS	17.122	17.198	0.0757
90	30	LDR UNBIAS	16.99	17.061	0.0714
91	50	LDR BIAS	17.177	17.056	-0.1205
92	50	LDR BIAS	16.712	16.648	-0.0643
93	50	LDR BIAS	17.113	17.101	-0.0116
94	50	LDR BIAS	16.92	16.752	-0.1678
95	50	LDR BIAS	17.038	17.002	-0.0355
96	50	LDR UNBIAS	16.92	16.945	0.0247
97	50	LDR UNBIAS	16.756	16.819	0.0635
98	50	LDR UNBIAS	17.074	17.179	0.1055
99	50	LDR UNBIAS	17.122	17.185	0.0627
100	50	LDR UNBIAS	16.99	17.03	0.0403

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	16.296	16.706	16.98	0.3058	16.595	17.045	17.342	0.33398	0.2992	0.33882	0.3629	0.028314
20	16.712	16.982	17.177	0.15566	16.201	16.786	17.212	0.33897	-0.5107	-0.19607	0.1171	0.30722
30	16.712	16.982	17.177	0.15566	16.338	16.829	17.198	0.27838	-0.4047	-0.15356	0.0922	0.2454
50	16.712	16.982	17.177	0.15566	16.648	16.972	17.185	0.18073	-0.1678	-0.0103	0.1055	0.087225

Device Test: 12.17 IQ|PWM/VIN/14/14///0MHz/@IQ_LS_PWM





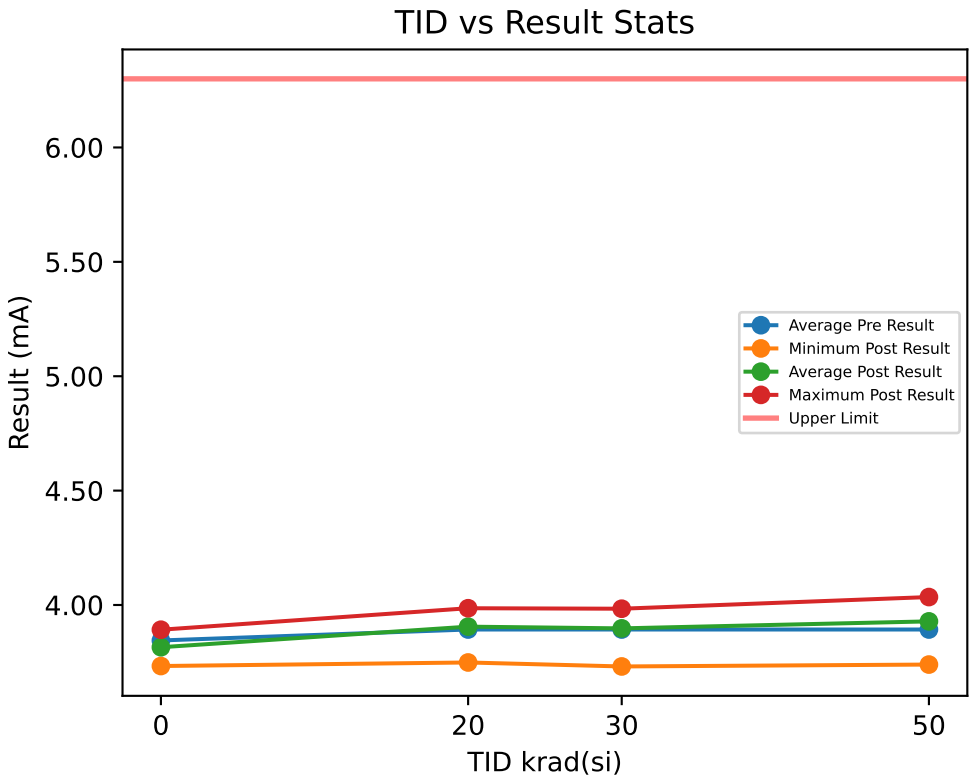
Test Results (Upper Limit = 6.8 (mA))

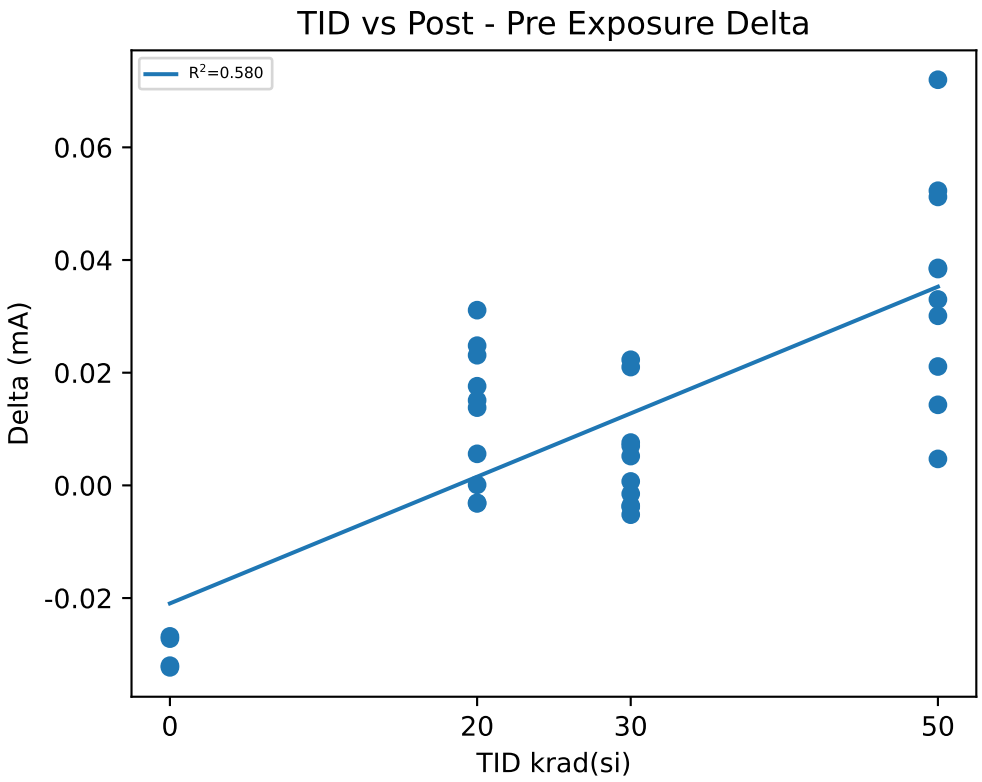
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
41	0	CORRELATION	4.6303	4.6043	-0.026
42	0	CORRELATION	4.4773	4.4518	-0.0255
43	0	CORRELATION	4.6148	4.5892	-0.0256
45	0	CORRELATION	4.549	4.5251	-0.0239
71	20	LDR BIAS	4.496	4.5165	0.0205
72	20	LDR BIAS	4.6327	4.6515	0.0188
73	20	LDR BIAS	4.4859	4.5171	0.0312
74	20	LDR BIAS	4.6253	4.656	0.0307
75	20	LDR BIAS	4.5469	4.5699	0.023
76	20	LDR UNBIAS	4.5288	4.5453	0.0165
77	20	LDR UNBIAS	4.4805	4.5065	0.026
78	20	LDR UNBIAS	4.6326	4.6528	0.0202
79	20	LDR UNBIAS	4.7001	4.7036	0.0035
80	20	LDR UNBIAS	4.6097	4.6339	0.0242
81	30	LDR BIAS	4.496	4.5287	0.0327
82	30	LDR BIAS	4.6327	4.6568	0.0241
83	30	LDR BIAS	4.4859	4.5023	0.0164
84	30	LDR BIAS	4.6253	4.6465	0.0212
85	30	LDR BIAS	4.5469	4.579	0.0321
86	30	LDR UNBIAS	4.5288	4.5338	0.005
87	30	LDR UNBIAS	4.4805	4.5109	0.0304
88	30	LDR UNBIAS	4.6326	4.6566	0.024
89	30	LDR UNBIAS	4.7001	4.718	0.0179
90	30	LDR UNBIAS	4.6097	4.6565	0.0468
91	50	LDR BIAS	4.496	4.5718	0.0758
92	50	LDR BIAS	4.6327	4.6676	0.0349
93	50	LDR BIAS	4.4859	4.5223	0.0364
94	50	LDR BIAS	4.6253	4.6693	0.044
95	50	LDR BIAS	4.5469	4.6414	0.0945
96	50	LDR UNBIAS	4.5288	4.5546	0.0258
97	50	LDR UNBIAS	4.4805	4.5536	0.0731
98	50	LDR UNBIAS	4.6326	4.702	0.0694
99	50	LDR UNBIAS	4.7001	4.7433	0.0432
100	50	LDR UNBIAS	4.6097	4.7059	0.0962

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	4.4773	4.5678	4.6303	0.069902	4.4518	4.5426	4.6043	0.069592	-0.026	-0.02525	-0.0239	0.00092556
20	4.4805	4.5739	4.7001	0.07605	4.5065	4.5953	4.7036	0.072052	0.0035	0.02146	0.0312	0.0079406
30	4.4805	4.5739	4.7001	0.07605	4.5023	4.5989	4.718	0.076803	0.005	0.02506	0.0468	0.011327
50	4.4805	4.5739	4.7001	0.07605	4.5223	4.6332	4.7433	0.07694	0.0258	0.05933	0.0962	0.025605

Device Test: 12.18 IQ|PWM/BOOT/14/14///0MHz/@IQ_HS_PWM





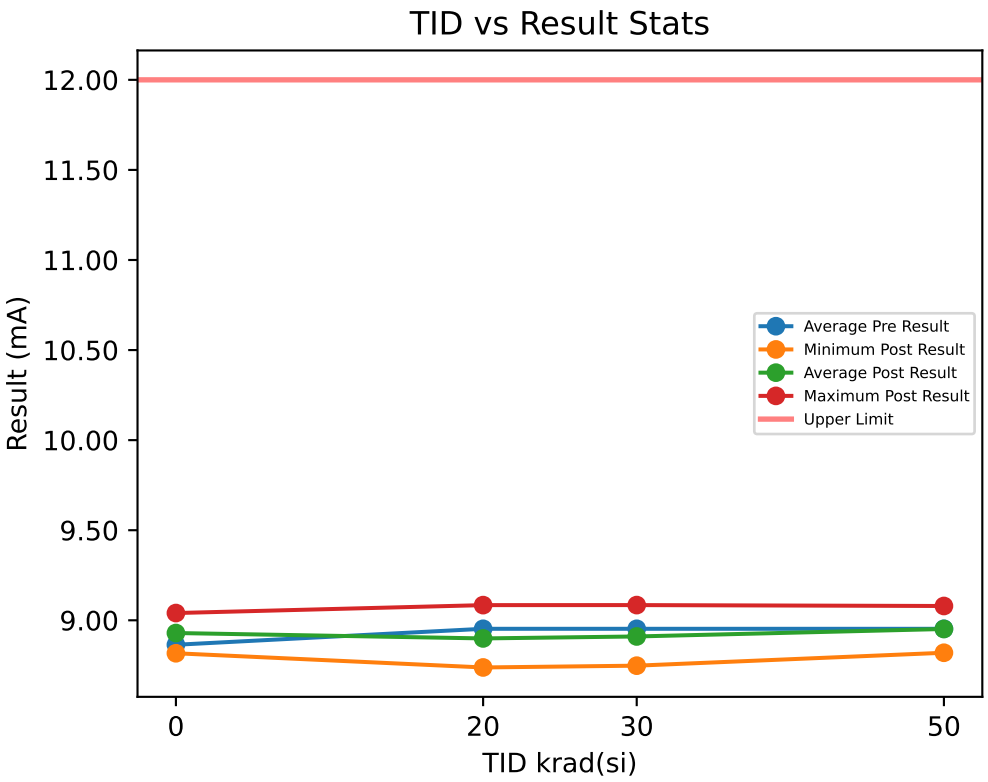
Test Results (Upper Limit = 6.3 (mA))

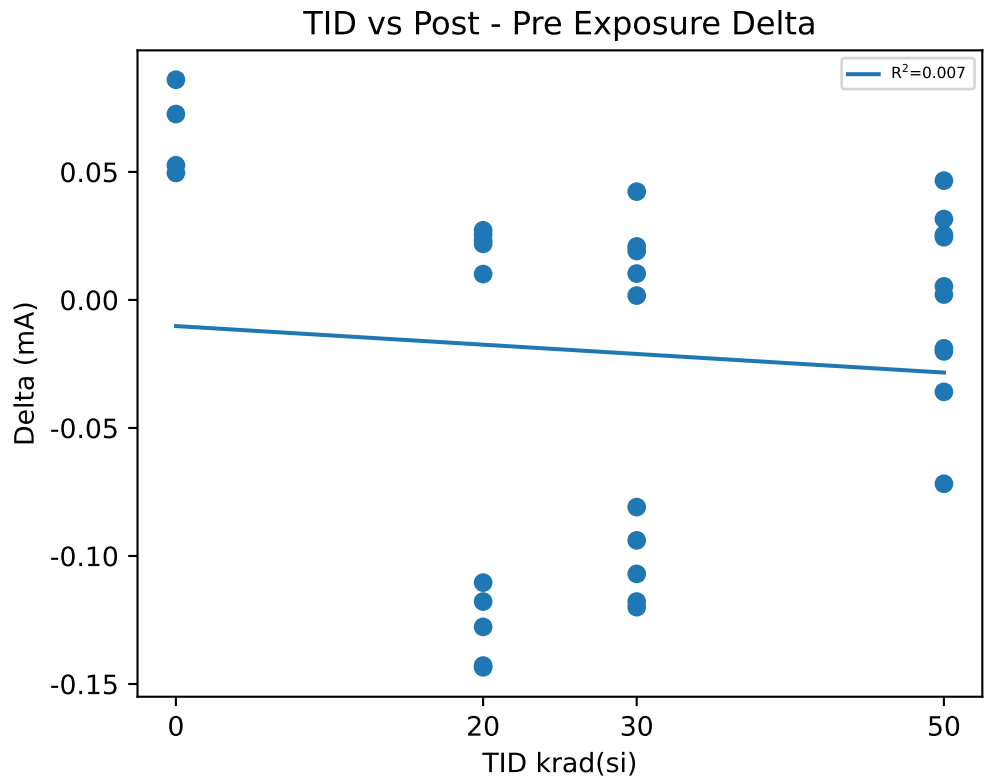
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
41	0	CORRELATION	3.76	3.7332	-0.0268
42	0	CORRELATION	3.9148	3.8825	-0.0323
43	0	CORRELATION	3.7809	3.7537	-0.0272
45	0	CORRELATION	3.9239	3.8919	-0.032
71	20	LDR BIAS	3.8576	3.8727	0.0151
72	20	LDR BIAS	3.9468	3.9524	0.0056
73	20	LDR BIAS	3.9433	3.9744	0.0311
74	20	LDR BIAS	3.8503	3.8504	0.0001
75	20	LDR BIAS	3.869	3.8658	-0.0032
76	20	LDR UNBIAS	3.7349	3.7487	0.0138
77	20	LDR UNBIAS	3.9111	3.9359	0.0248
78	20	LDR UNBIAS	3.9627	3.9858	0.0231
79	20	LDR UNBIAS	3.9575	3.9751	0.0176
80	20	LDR UNBIAS	3.8949	3.8918	-0.0031
81	30	LDR BIAS	3.8576	3.8561	-0.0015
82	30	LDR BIAS	3.9468	3.9475	0.0007
83	30	LDR BIAS	3.9433	3.9503	0.007
84	30	LDR BIAS	3.8503	3.8465	-0.0038
85	30	LDR BIAS	3.869	3.8766	0.0076
86	30	LDR UNBIAS	3.7349	3.7313	-0.0036
87	30	LDR UNBIAS	3.9111	3.9334	0.0223
88	30	LDR UNBIAS	3.9627	3.9837	0.021
89	30	LDR UNBIAS	3.9575	3.9627	0.0052
90	30	LDR UNBIAS	3.8949	3.8897	-0.0052
91	50	LDR BIAS	3.8576	3.896	0.0384
92	50	LDR BIAS	3.9468	3.9769	0.0301
93	50	LDR BIAS	3.9433	3.9956	0.0523
94	50	LDR BIAS	3.8503	3.8714	0.0211
95	50	LDR BIAS	3.869	3.9202	0.0512
96	50	LDR UNBIAS	3.7349	3.7396	0.0047
97	50	LDR UNBIAS	3.9111	3.9441	0.033
98	50	LDR UNBIAS	3.9627	4.0347	0.072
99	50	LDR UNBIAS	3.9575	3.9961	0.0386
100	50	LDR UNBIAS	3.8949	3.9092	0.0143

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	3.76	3.8449	3.9239	0.08647	3.7332	3.8153	3.8919	0.083503	-0.0323	-0.029575	-0.0268	0.0029804
20	3.7349	3.8928	3.9627	0.06946	3.7487	3.9053	3.9858	0.074255	-0.0032	0.01249	0.0311	0.012181
30	3.7349	3.8928	3.9627	0.06946	3.7313	3.8978	3.9837	0.07505	-0.0052	0.00497	0.0223	0.009901
50	3.7349	3.8928	3.9627	0.06946	3.7396	3.9284	4.0347	0.083916	0.0047	0.03557	0.072	0.019776

Device Test: 12.19 IOP|PWM/VIN/14/14///0.5MHz/@I_OP_LS_PWM_500KHZ





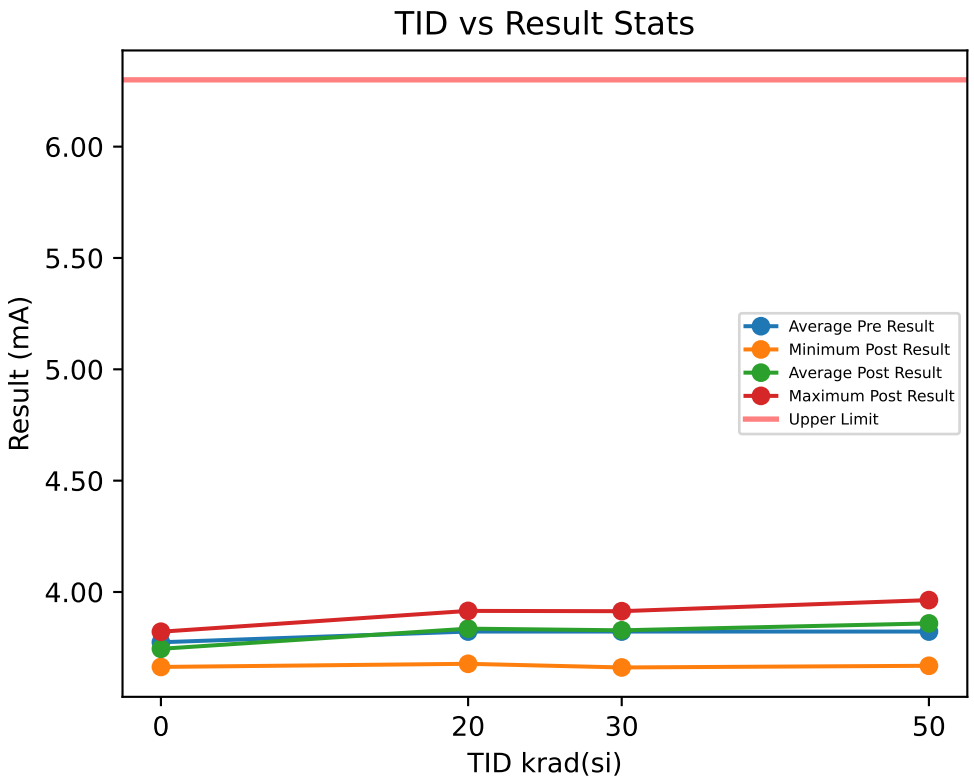
Test Results (Upper Limit = 12.0 (mA))

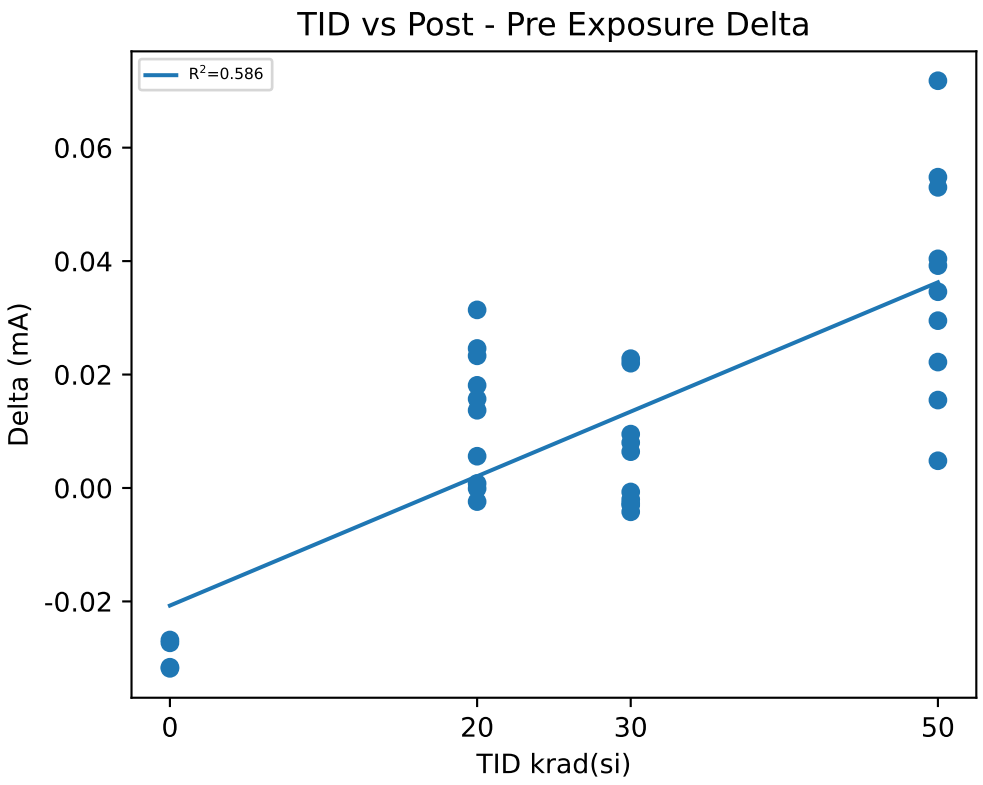
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
41	0	CORRELATION	8.9542	9.0402	0.086
42	0	CORRELATION	8.7644	8.817	0.0526
43	0	CORRELATION	8.8959	8.9455	0.0496
45	0	CORRELATION	8.8421	8.9147	0.0726
71	20	LDR BIAS	8.9347	8.8169	-0.1178
72	20	LDR BIAS	9.0015	8.858	-0.1435
73	20	LDR BIAS	8.8659	8.7382	-0.1277
74	20	LDR BIAS	9.033	8.9226	-0.1104
75	20	LDR BIAS	8.9069	8.7641	-0.1428
76	20	LDR UNBIAS	8.8387	8.8606	0.0219
77	20	LDR UNBIAS	8.8439	8.867	0.0231
78	20	LDR UNBIAS	9.0427	9.0681	0.0254
79	20	LDR UNBIAS	9.0741	9.0842	0.0101
80	20	LDR UNBIAS	8.9865	9.0137	0.0272
81	30	LDR BIAS	8.9347	8.8538	-0.0809
82	30	LDR BIAS	9.0015	8.8815	-0.12
83	30	LDR BIAS	8.8659	8.7481	-0.1178
84	30	LDR BIAS	9.033	8.9391	-0.0939
85	30	LDR BIAS	8.9069	8.7999	-0.107
86	30	LDR UNBIAS	8.8387	8.8404	0.0017
87	30	LDR UNBIAS	8.8439	8.863	0.0191
88	30	LDR UNBIAS	9.0427	9.0636	0.0209
89	30	LDR UNBIAS	9.0741	9.0844	0.0103
90	30	LDR UNBIAS	8.9865	9.0288	0.0423
91	50	LDR BIAS	8.9347	8.9601	0.0254
92	50	LDR BIAS	9.0015	8.9297	-0.0718
93	50	LDR BIAS	8.8659	8.83	-0.0359
94	50	LDR BIAS	9.033	9.0129	-0.0201
95	50	LDR BIAS	8.9069	8.909	0.0021
96	50	LDR UNBIAS	8.8387	8.8198	-0.0189
97	50	LDR UNBIAS	8.8439	8.8755	0.0316
98	50	LDR UNBIAS	9.0427	9.0672	0.0245
99	50	LDR UNBIAS	9.0741	9.0794	0.0053
100	50	LDR UNBIAS	8.9865	9.0331	0.0466

Test Statistics (mA)

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	8.7644	8.8642	8.9542	0.080733	8.817	8.9293	9.0402	0.091989	0.0496	0.0652	0.086	0.017219
20	8.8387	8.9528	9.0741	0.086666	8.7382	8.8993	9.0842	0.12091	-0.1435	-0.05345	0.0272	0.079783
30	8.8387	8.9528	9.0741	0.086666	8.7481	8.9103	9.0844	0.11466	-0.12	-0.04253	0.0423	0.066416
50	8.8387	8.9528	9.0741	0.086666	8.8198	8.9517	9.0794	0.094523	-0.0718	-0.00112	0.0466	0.035964

Device Test: 12.2 IQ|PWM/BOOT/10/8///0MHz/@IQ_HS_PWM





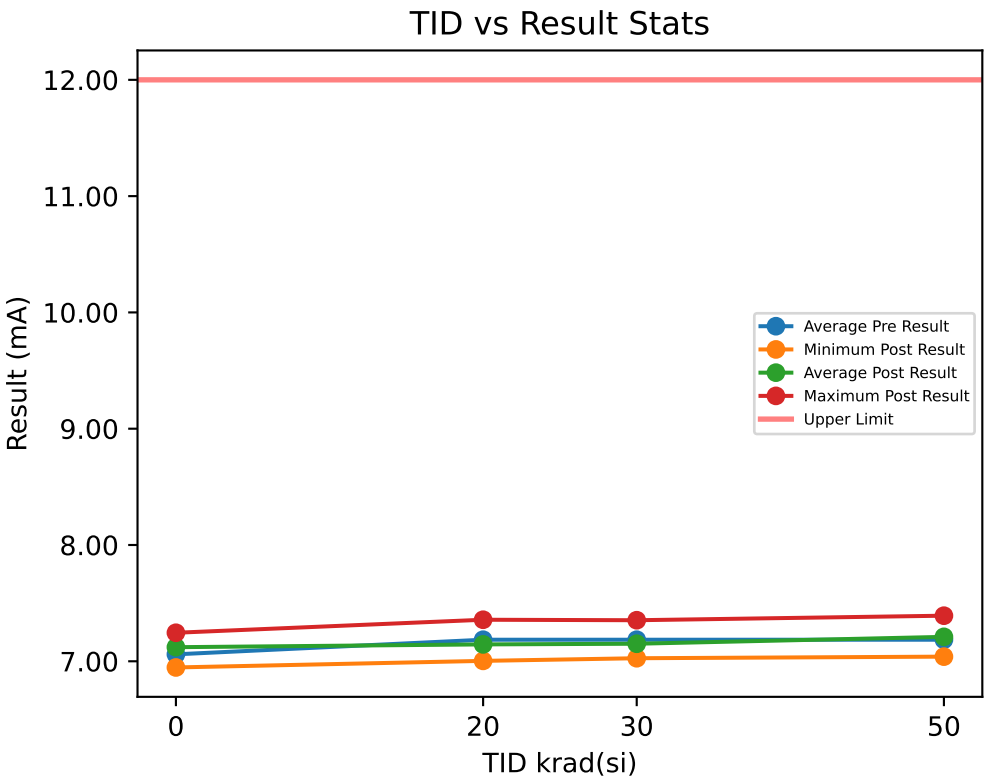
Test Results (Upper Limit = 6.3 (mA))

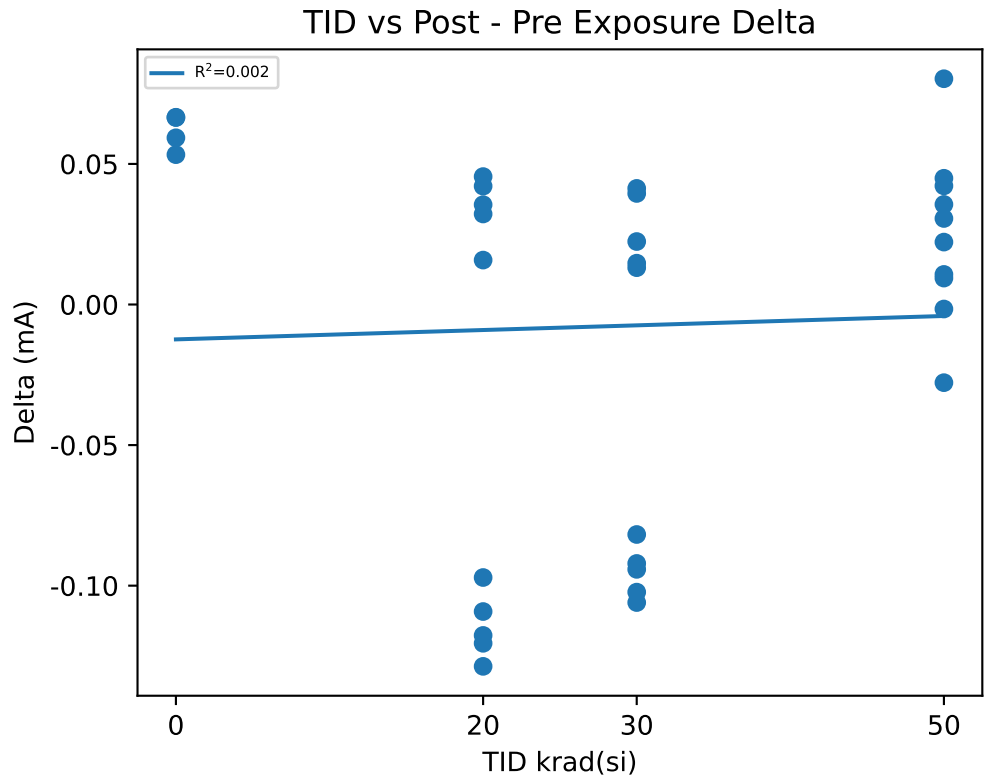
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
41	0	CORRELATION	3.6907	3.6634	-0.0273
42	0	CORRELATION	3.8426	3.811	-0.0316
43	0	CORRELATION	3.7102	3.6834	-0.0268
45	0	CORRELATION	3.8534	3.8216	-0.0318
71	20	LDR BIAS	3.7895	3.8052	0.0157
72	20	LDR BIAS	3.8773	3.8829	0.0056
73	20	LDR BIAS	3.8723	3.9037	0.0314
74	20	LDR BIAS	3.7794	3.7802	0.0008
75	20	LDR BIAS	3.7984	3.796	-0.0024
76	20	LDR UNBIAS	3.6638	3.6775	0.0137
77	20	LDR UNBIAS	3.8411	3.8657	0.0246
78	20	LDR UNBIAS	3.8918	3.9151	0.0233
79	20	LDR UNBIAS	3.8865	3.9046	0.0181
80	20	LDR UNBIAS	3.8232	3.8231	-0.0001
81	30	LDR BIAS	3.7895	3.7875	-0.002
82	30	LDR BIAS	3.8773	3.8766	-0.0007
83	30	LDR BIAS	3.8723	3.8818	0.0095
84	30	LDR BIAS	3.7794	3.7764	-0.003
85	30	LDR BIAS	3.7984	3.8064	0.008
86	30	LDR UNBIAS	3.6638	3.6611	-0.0027
87	30	LDR UNBIAS	3.8411	3.8639	0.0228
88	30	LDR UNBIAS	3.8918	3.9138	0.022
89	30	LDR UNBIAS	3.8865	3.8929	0.0064
90	30	LDR UNBIAS	3.8232	3.819	-0.0042
91	50	LDR BIAS	3.7895	3.8287	0.0392
92	50	LDR BIAS	3.8773	3.9068	0.0295
93	50	LDR BIAS	3.8723	3.9271	0.0548
94	50	LDR BIAS	3.7794	3.8016	0.0222
95	50	LDR BIAS	3.7984	3.8514	0.053
96	50	LDR UNBIAS	3.6638	3.6686	0.0048
97	50	LDR UNBIAS	3.8411	3.8757	0.0346
98	50	LDR UNBIAS	3.8918	3.9636	0.0718
99	50	LDR UNBIAS	3.8865	3.9269	0.0404
100	50	LDR UNBIAS	3.8232	3.8387	0.0155

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	3.6907	3.7742	3.8534	0.085673	3.6634	3.7449	3.8216	0.083019	-0.0318	-0.029375	-0.0268	0.0026937
20	3.6638	3.8223	3.8918	0.069475	3.6775	3.8354	3.9151	0.074218	-0.0024	0.01307	0.0314	0.011668
30	3.6638	3.8223	3.8918	0.069475	3.6611	3.8279	3.9138	0.075148	-0.0042	0.00561	0.0228	0.010126
50	3.6638	3.8223	3.8918	0.069475	3.6686	3.8589	3.9636	0.084121	0.0048	0.03658	0.0718	0.019941

Device Test: 12.20 IOP|PWM/BOOT/14/14///0.5MHz/@I_OP_HS_PWM_500KHZ





Test Results (Upper Limit = 12.0 (mA))

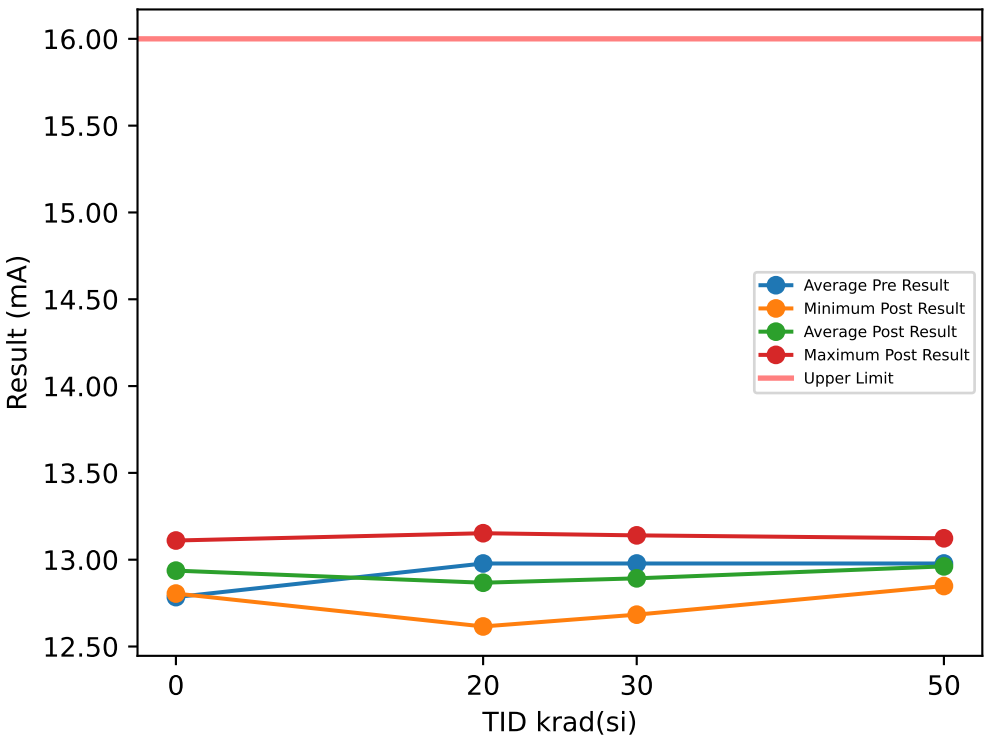
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
41	0	CORRELATION	6.8936	6.9469	0.0533
42	0	CORRELATION	7.1786	7.2452	0.0666
43	0	CORRELATION	7.0617	7.1282	0.0665
45	0	CORRELATION	7.105	7.1643	0.0593
71	20	LDR BIAS	7.2475	7.1383	-0.1092
72	20	LDR BIAS	7.1338	7.0133	-0.1205
73	20	LDR BIAS	7.2465	7.1494	-0.0971
74	20	LDR BIAS	7.1322	7.0035	-0.1287
75	20	LDR BIAS	7.1596	7.0419	-0.1177
76	20	LDR UNBIAS	7.0292	7.0614	0.0322
77	20	LDR UNBIAS	7.1826	7.2247	0.0421
78	20	LDR UNBIAS	7.3117	7.3572	0.0455
79	20	LDR UNBIAS	7.2465	7.282	0.0355
80	20	LDR UNBIAS	7.1642	7.18	0.0158
81	30	LDR BIAS	7.2475	7.1452	-0.1023
82	30	LDR BIAS	7.1338	7.0417	-0.0921
83	30	LDR BIAS	7.2465	7.1523	-0.0942
84	30	LDR BIAS	7.1322	7.0262	-0.106
85	30	LDR BIAS	7.1596	7.0778	-0.0818
86	30	LDR UNBIAS	7.0292	7.0439	0.0147
87	30	LDR UNBIAS	7.1826	7.2221	0.0395
88	30	LDR UNBIAS	7.3117	7.353	0.0413
89	30	LDR UNBIAS	7.2465	7.2689	0.0224
90	30	LDR UNBIAS	7.1642	7.1773	0.0131
91	50	LDR BIAS	7.2475	7.2459	-0.0016
92	50	LDR BIAS	7.1338	7.1432	0.0094
93	50	LDR BIAS	7.2465	7.2821	0.0356
94	50	LDR BIAS	7.1322	7.1044	-0.0278
95	50	LDR BIAS	7.1596	7.1902	0.0306
96	50	LDR UNBIAS	7.0292	7.0399	0.0107
97	50	LDR UNBIAS	7.1826	7.2248	0.0422
98	50	LDR UNBIAS	7.3117	7.392	0.0803
99	50	LDR UNBIAS	7.2465	7.2914	0.0449
100	50	LDR UNBIAS	7.1642	7.1864	0.0222

Test Statistics (mA)

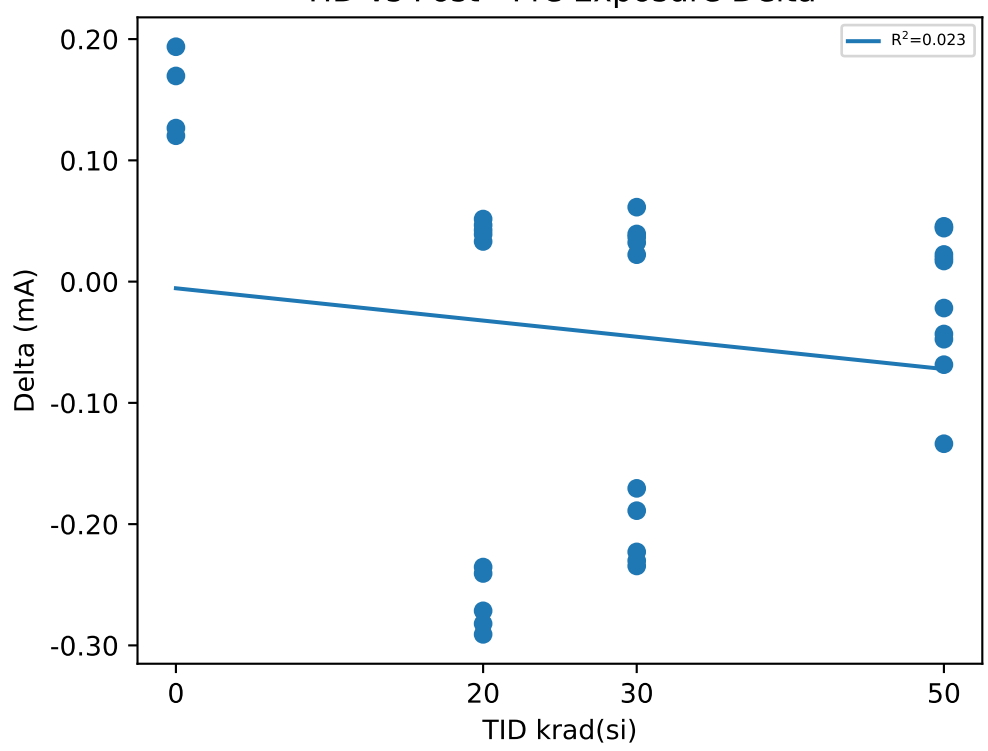
krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	6.8936	7.0597	7.1786	0.12081	6.9469	7.1212	7.2452	0.12605	0.0533	0.061425	0.0666	0.0064049
20	7.0292	7.1854	7.3117	0.080477	7.0035	7.1452	7.3572	0.11852	-0.1287	-0.04021	0.0455	0.07924
30	7.0292	7.1854	7.3117	0.080477	7.0262	7.1508	7.353	0.10793	-0.106	-0.03454	0.0413	0.064956
50	7.0292	7.1854	7.3117	0.080477	7.0399	7.21	7.392	0.10108	-0.0278	0.02465	0.0803	0.029521

Device Test: 12.21 IOP|PWM/VIN/14/14///1MHz/@I_OP_LS_PWM_1MHZ

TID vs Result Stats



TID vs Post - Pre Exposure Delta



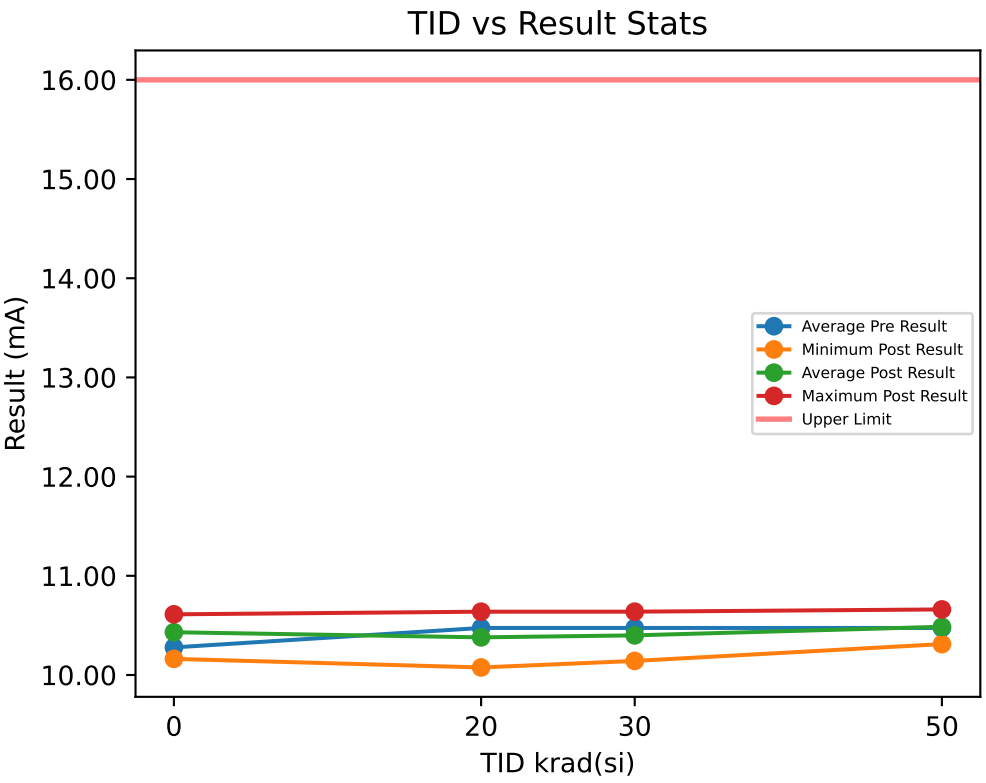
Test Results (Upper Limit = 16.0 (mA))

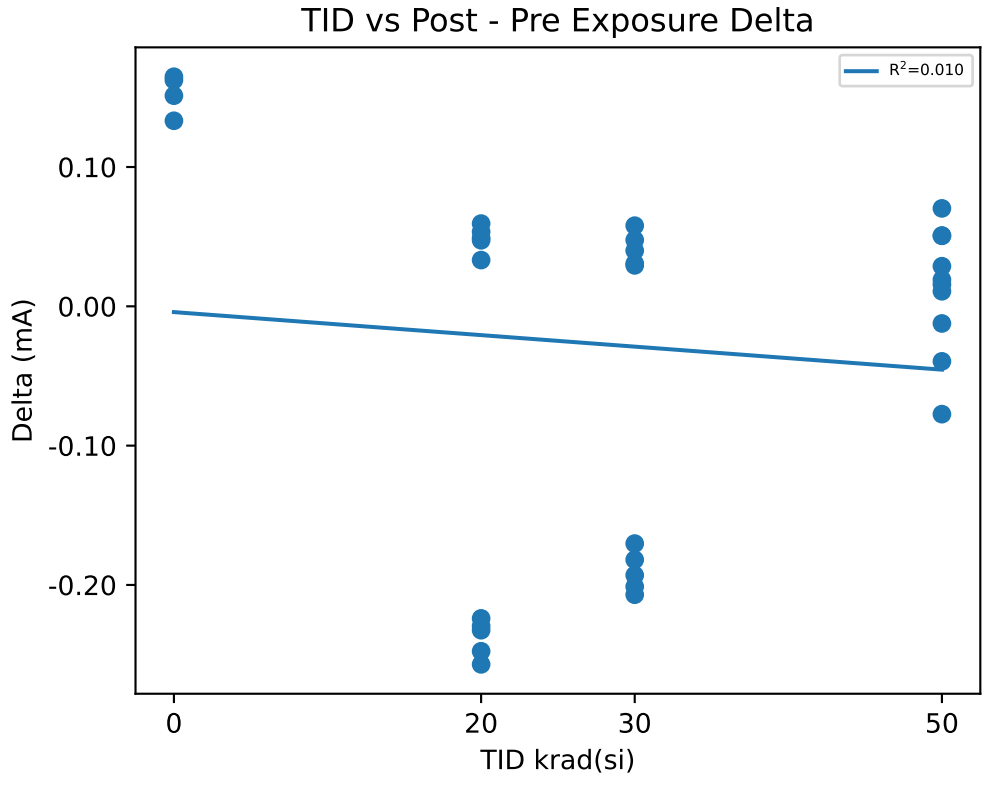
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
41	0	CORRELATION	12.917	13.111	0.1937
42	0	CORRELATION	12.678	12.805	0.1266
43	0	CORRELATION	12.793	12.914	0.1203
45	0	CORRELATION	12.75	12.919	0.1696
71	20	LDR BIAS	12.994	12.753	-0.2407
72	20	LDR BIAS	13.007	12.725	-0.2821
73	20	LDR BIAS	12.923	12.651	-0.2715
74	20	LDR BIAS	13.07	12.835	-0.2354
75	20	LDR BIAS	12.906	12.616	-0.2909
76	20	LDR UNBIAS	12.874	12.913	0.039
77	20	LDR UNBIAS	12.803	12.845	0.0425
78	20	LDR UNBIAS	13.101	13.152	0.0516
79	20	LDR UNBIAS	13.08	13.113	0.0331
80	20	LDR UNBIAS	13.024	13.07	0.0466
81	30	LDR BIAS	12.994	12.823	-0.1705
82	30	LDR BIAS	13.007	12.773	-0.2345
83	30	LDR BIAS	12.923	12.693	-0.2301
84	30	LDR BIAS	13.07	12.881	-0.1889
85	30	LDR BIAS	12.906	12.684	-0.2229
86	30	LDR UNBIAS	12.874	12.896	0.0222
87	30	LDR UNBIAS	12.803	12.839	0.0367
88	30	LDR UNBIAS	13.101	13.14	0.0393
89	30	LDR UNBIAS	13.08	13.112	0.0322
90	30	LDR UNBIAS	13.024	13.085	0.0614
91	50	LDR BIAS	12.994	13.013	0.0195
92	50	LDR BIAS	13.007	12.874	-0.1337
93	50	LDR BIAS	12.923	12.854	-0.0685
94	50	LDR BIAS	13.07	13.027	-0.0432
95	50	LDR BIAS	12.906	12.859	-0.0475
96	50	LDR UNBIAS	12.874	12.852	-0.0218
97	50	LDR UNBIAS	12.803	12.848	0.0456
98	50	LDR UNBIAS	13.101	13.123	0.0224
99	50	LDR UNBIAS	13.08	13.097	0.017
100	50	LDR UNBIAS	13.024	13.068	0.0441

Test Statistics (mA)

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	12.678	12.785	12.917	0.10008	12.805	12.937	13.111	0.12701	0.1203	0.15255	0.1937	0.035107
20	12.803	12.978	13.101	0.098281	12.616	12.867	13.152	0.19141	-0.2909	-0.11078	0.0516	0.16255
30	12.803	12.978	13.101	0.098281	12.684	12.893	13.14	0.16743	-0.2345	-0.08551	0.0614	0.13226
50	12.803	12.978	13.101	0.098281	12.848	12.962	13.123	0.11416	-0.1337	-0.01661	0.0456	0.057351

Device Test: 12.22 IOP|PWM/BOOT/14/14///1MHz/@I_OP_HS_PWM_1MHZ





Test Results (Upper Limit = 16.0 (mA))

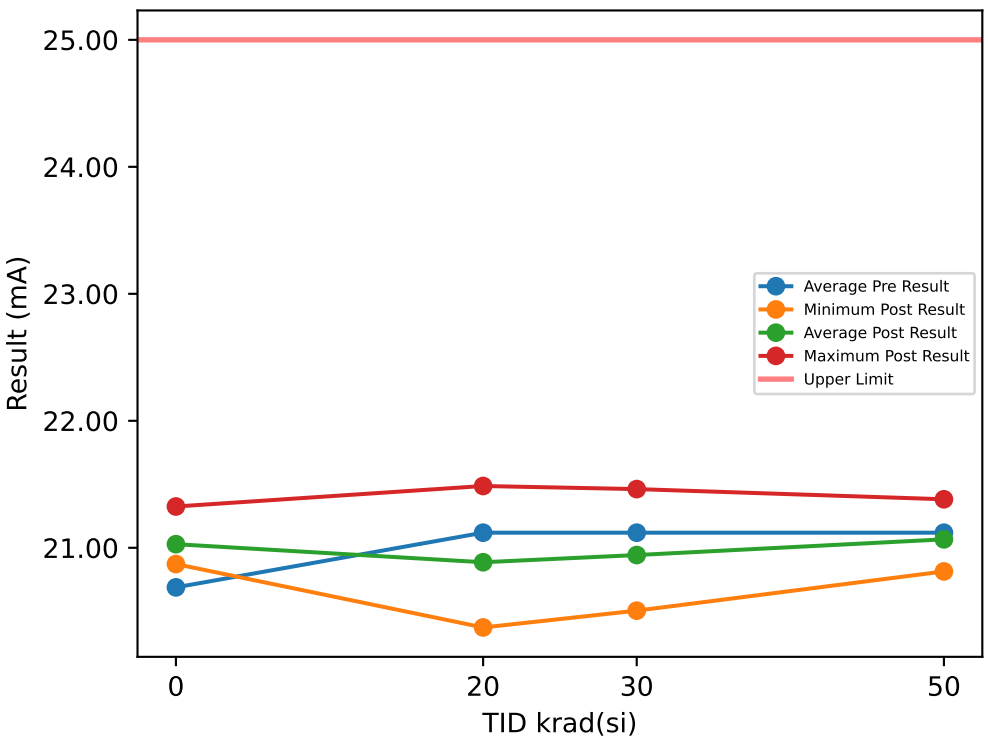
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
41	0	CORRELATION	10.029	10.162	0.1332
42	0	CORRELATION	10.447	10.612	0.1648
43	0	CORRELATION	10.347	10.509	0.1624
45	0	CORRELATION	10.29	10.441	0.1512
71	20	LDR BIAS	10.641	10.409	-0.2325
72	20	LDR BIAS	10.324	10.076	-0.2476
73	20	LDR BIAS	10.552	10.328	-0.224
74	20	LDR BIAS	10.419	10.162	-0.257
75	20	LDR BIAS	10.454	10.224	-0.2295
76	20	LDR UNBIAS	10.327	10.376	0.0491
77	20	LDR UNBIAS	10.458	10.517	0.0594
78	20	LDR UNBIAS	10.591	10.638	0.0474
79	20	LDR UNBIAS	10.539	10.593	0.0535
80	20	LDR UNBIAS	10.439	10.472	0.0332
81	30	LDR BIAS	10.641	10.44	-0.2012
82	30	LDR BIAS	10.324	10.142	-0.1819
83	30	LDR BIAS	10.552	10.359	-0.193
84	30	LDR BIAS	10.419	10.212	-0.207
85	30	LDR BIAS	10.454	10.283	-0.1703
86	30	LDR UNBIAS	10.327	10.358	0.0307
87	30	LDR UNBIAS	10.458	10.516	0.0579
88	30	LDR UNBIAS	10.591	10.638	0.0476
89	30	LDR UNBIAS	10.539	10.579	0.04
90	30	LDR UNBIAS	10.439	10.468	0.0294
91	50	LDR BIAS	10.641	10.601	-0.0395
92	50	LDR BIAS	10.324	10.311	-0.0123
93	50	LDR BIAS	10.552	10.571	0.0191
94	50	LDR BIAS	10.419	10.342	-0.0774
95	50	LDR BIAS	10.454	10.464	0.0108
96	50	LDR UNBIAS	10.327	10.343	0.0158
97	50	LDR UNBIAS	10.458	10.508	0.0506
98	50	LDR UNBIAS	10.591	10.661	0.0703
99	50	LDR UNBIAS	10.539	10.59	0.0508
100	50	LDR UNBIAS	10.439	10.467	0.0288

Test Statistics (mA)

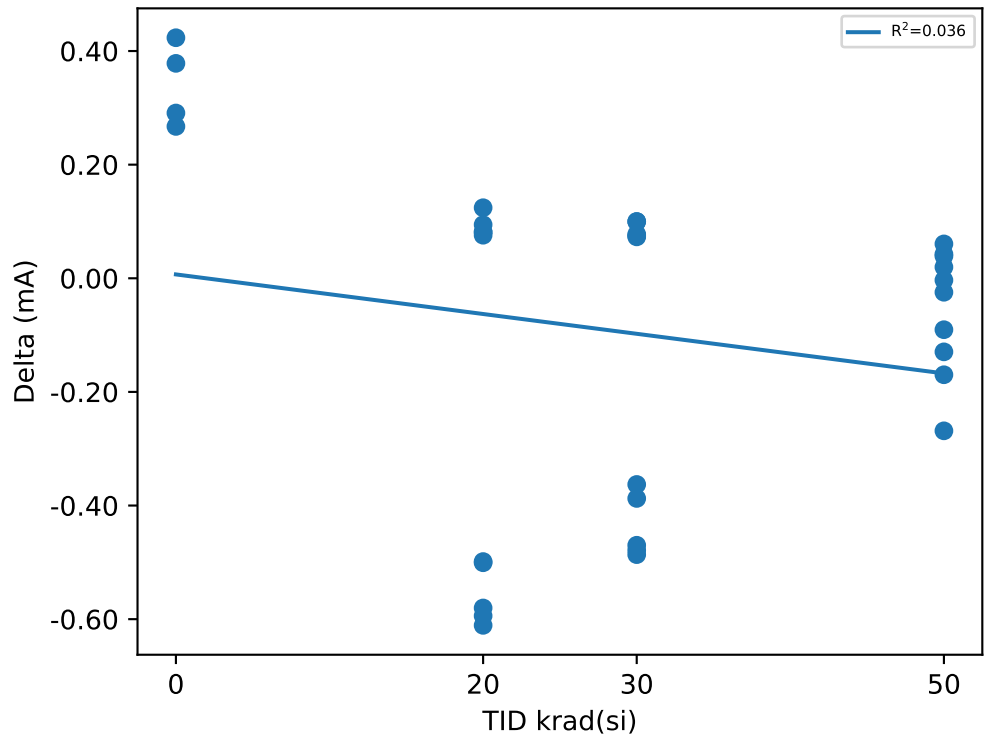
krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	10.029	10.278	10.447	0.17814	10.162	10.431	10.612	0.19228	0.1332	0.1529	0.1648	0.014409
20	10.324	10.474	10.641	0.10592	10.076	10.379	10.638	0.18467	-0.257	-0.0948	0.0594	0.15149
30	10.324	10.474	10.641	0.10592	10.142	10.399	10.638	0.15905	-0.207	-0.07478	0.0579	0.12282
50	10.324	10.474	10.641	0.10592	10.311	10.486	10.661	0.12255	-0.0774	0.0117	0.0703	0.044693

Device Test: 12.23 IOP|PWM/VIN/14/14///2MHz/@I_OP_LS_PWM_2MHZ

TID vs Result Stats



TID vs Post - Pre Exposure Delta



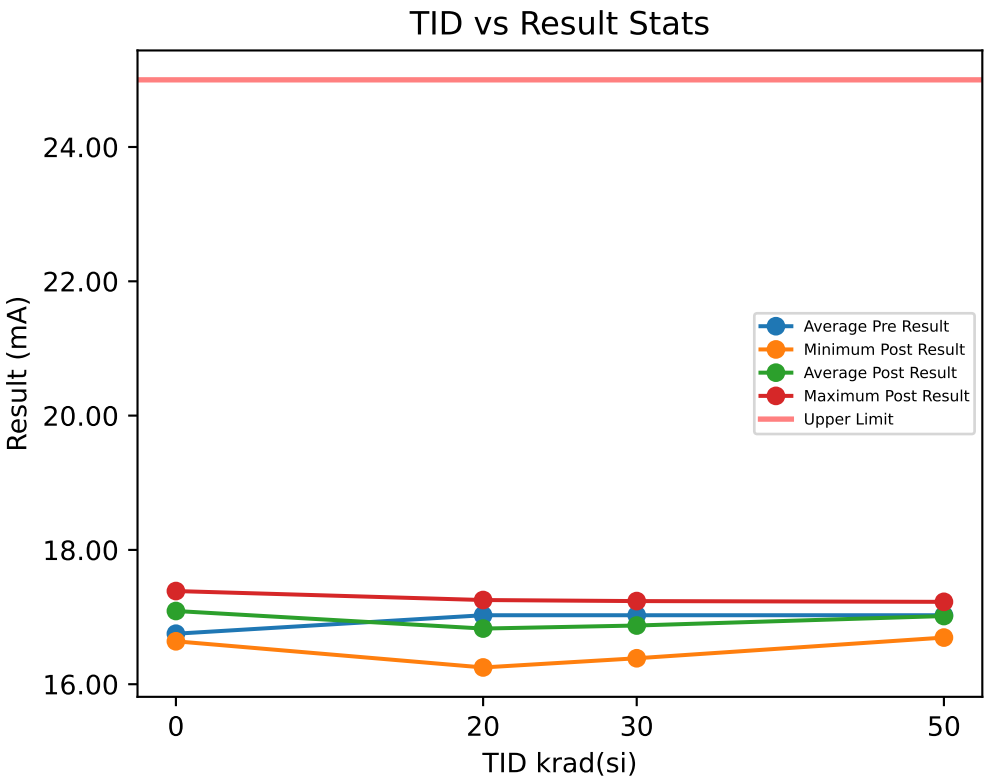
Test Results (Upper Limit = 25.0 (mA))

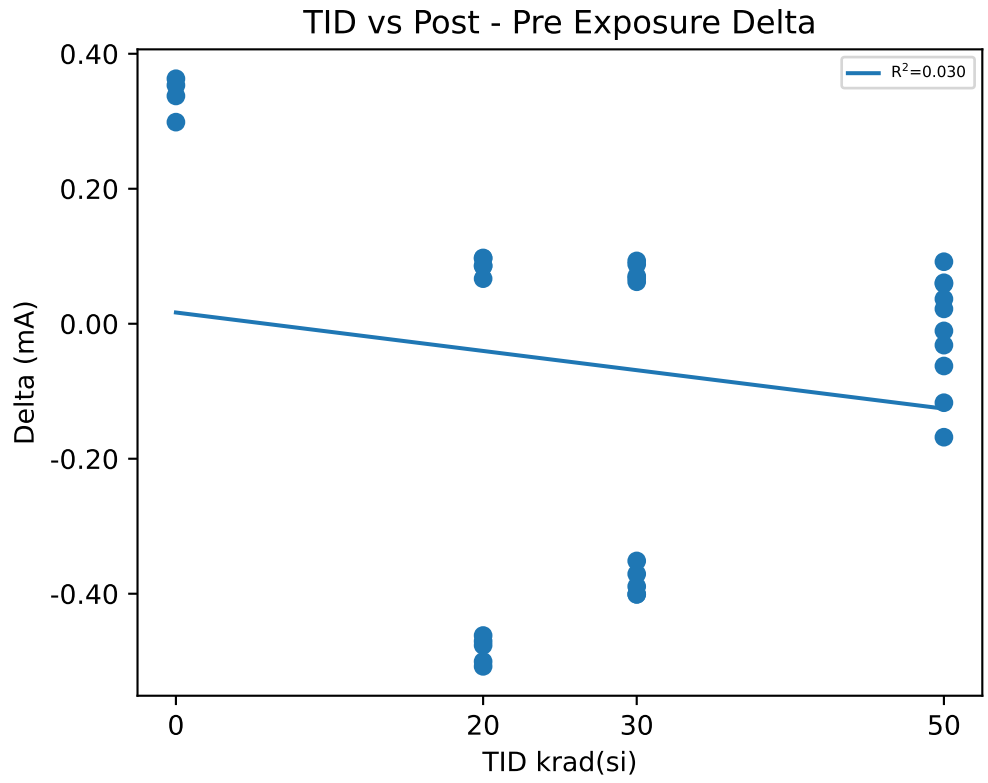
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
41	0	CORRELATION	20.902	21.325	0.4234
42	0	CORRELATION	20.581	20.872	0.2909
43	0	CORRELATION	20.629	20.897	0.2673
45	0	CORRELATION	20.642	21.02	0.3783
71	20	LDR BIAS	21.184	20.685	-0.4986
72	20	LDR BIAS	21.103	20.509	-0.5942
73	20	LDR BIAS	21.131	20.551	-0.5803
74	20	LDR BIAS	21.226	20.725	-0.5007
75	20	LDR BIAS	20.984	20.373	-0.6109
76	20	LDR UNBIAS	21.038	21.12	0.0817
77	20	LDR UNBIAS	20.836	20.912	0.0758
78	20	LDR UNBIAS	21.362	21.487	0.1242
79	20	LDR UNBIAS	21.146	21.227	0.0811
80	20	LDR UNBIAS	21.179	21.273	0.0943
81	30	LDR BIAS	21.184	20.821	-0.3629
82	30	LDR BIAS	21.103	20.617	-0.4864
83	30	LDR BIAS	21.131	20.662	-0.4699
84	30	LDR BIAS	21.226	20.838	-0.3875
85	30	LDR BIAS	20.984	20.505	-0.4787
86	30	LDR UNBIAS	21.038	21.111	0.0729
87	30	LDR UNBIAS	20.836	20.913	0.0776
88	30	LDR UNBIAS	21.362	21.462	0.0999
89	30	LDR UNBIAS	21.146	21.221	0.0749
90	30	LDR UNBIAS	21.179	21.279	0.0998
91	50	LDR BIAS	21.184	21.181	-0.0033
92	50	LDR BIAS	21.103	20.835	-0.2685
93	50	LDR BIAS	21.131	21.002	-0.1295
94	50	LDR BIAS	21.226	21.135	-0.0905
95	50	LDR BIAS	20.984	20.814	-0.1698
96	50	LDR UNBIAS	21.038	21.014	-0.0246
97	50	LDR UNBIAS	20.836	20.896	0.0605
98	50	LDR UNBIAS	21.362	21.382	0.0197
99	50	LDR UNBIAS	21.146	21.185	0.0391
100	50	LDR UNBIAS	21.179	21.221	0.0425

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	20.581	20.688	20.902	0.14462	20.872	21.028	21.325	0.20817	0.2673	0.33997	0.4234	0.0733
20	20.836	21.119	21.362	0.14324	20.373	20.886	21.487	0.37513	-0.6109	-0.23276	0.1242	0.34381
30	20.836	21.119	21.362	0.14324	20.505	20.943	21.462	0.31488	-0.4864	-0.17603	0.0999	0.27797
50	20.836	21.119	21.362	0.14324	20.814	21.067	21.382	0.18531	-0.2685	-0.05244	0.0605	0.10872

Device Test: 12.24 IOP|PWM/BOOT/14/14///2MHz/@I_OP_HS_PWM_2MHZ





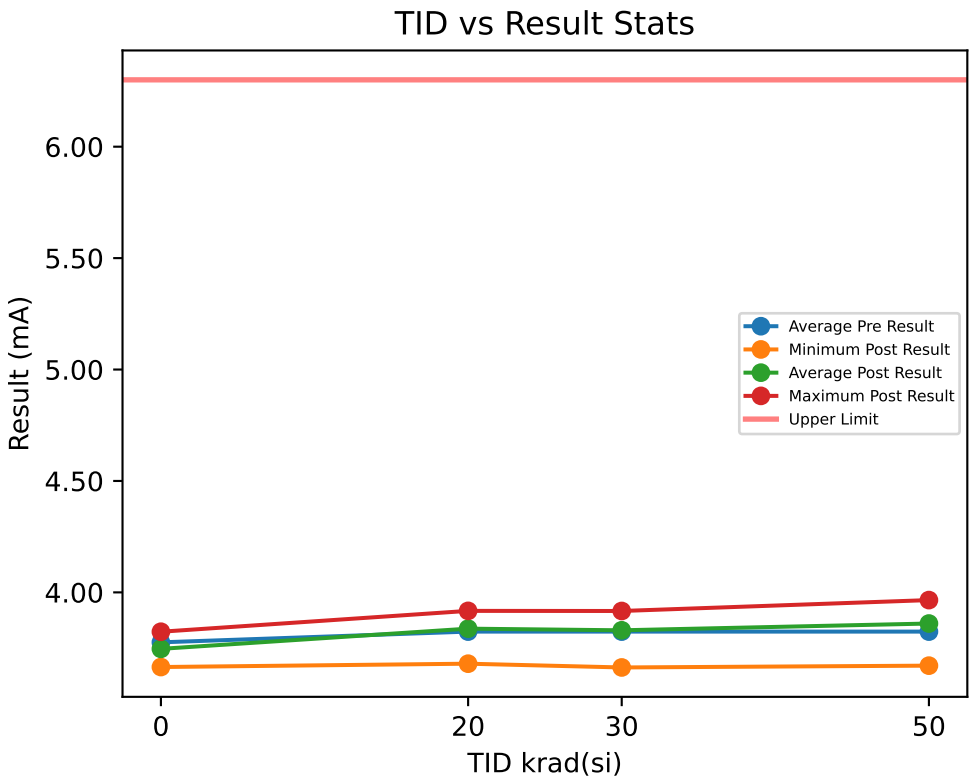
Test Results (Upper Limit = 25.0 (mA))

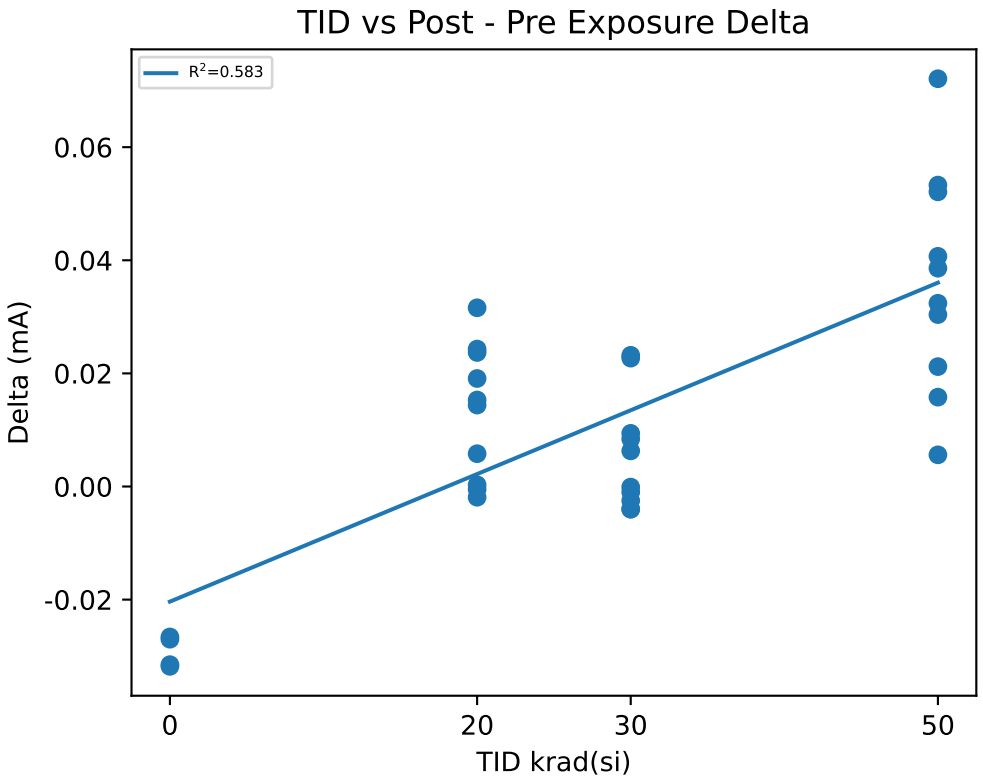
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
41	0	CORRELATION	16.34	16.639	0.2987
42	0	CORRELATION	17.024	17.387	0.363
43	0	CORRELATION	16.94	17.294	0.3533
45	0	CORRELATION	16.703	17.041	0.3375
71	20	LDR BIAS	17.218	16.742	-0.4764
72	20	LDR BIAS	16.757	16.25	-0.5076
73	20	LDR BIAS	17.156	16.686	-0.4703
74	20	LDR BIAS	16.965	16.464	-0.5004
75	20	LDR BIAS	17.081	16.619	-0.4619
76	20	LDR UNBIAS	16.963	17.049	0.0854
77	20	LDR UNBIAS	16.799	16.896	0.0969
78	20	LDR UNBIAS	17.129	17.227	0.0975
79	20	LDR UNBIAS	17.167	17.254	0.0862
80	20	LDR UNBIAS	17.035	17.102	0.0668
81	30	LDR BIAS	17.218	16.817	-0.4007
82	30	LDR BIAS	16.757	16.387	-0.3707
83	30	LDR BIAS	17.156	16.767	-0.3892
84	30	LDR BIAS	16.965	16.564	-0.401
85	30	LDR BIAS	17.081	16.73	-0.3514
86	30	LDR UNBIAS	16.963	17.031	0.0677
87	30	LDR UNBIAS	16.799	16.887	0.0881
88	30	LDR UNBIAS	17.129	17.223	0.0931
89	30	LDR UNBIAS	17.167	17.238	0.0706
90	30	LDR UNBIAS	17.035	17.097	0.0622
91	50	LDR BIAS	17.218	17.101	-0.117
92	50	LDR BIAS	16.757	16.695	-0.0626
93	50	LDR BIAS	17.156	17.146	-0.0106
94	50	LDR BIAS	16.965	16.797	-0.1681
95	50	LDR BIAS	17.081	17.049	-0.0317
96	50	LDR UNBIAS	16.963	16.985	0.022
97	50	LDR UNBIAS	16.799	16.86	0.0607
98	50	LDR UNBIAS	17.129	17.221	0.0919
99	50	LDR UNBIAS	17.167	17.227	0.0593
100	50	LDR UNBIAS	17.035	17.072	0.0367

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	16.34	16.752	17.024	0.30627	16.639	17.09	17.387	0.33446	0.2987	0.33813	0.363	0.028306
20	16.757	17.027	17.218	0.15601	16.25	16.829	17.254	0.33447	-0.5076	-0.19838	0.0975	0.30076
30	16.757	17.027	17.218	0.15601	16.387	16.874	17.238	0.27852	-0.401	-0.15313	0.0931	0.24247
50	16.757	17.027	17.218	0.15601	16.695	17.015	17.227	0.18	-0.1681	-0.01194	0.0919	0.083689

Device Test: 12.26 IQ|IIM_EN/BOOT/10/8///0MHz/@IQ_HS_IIM





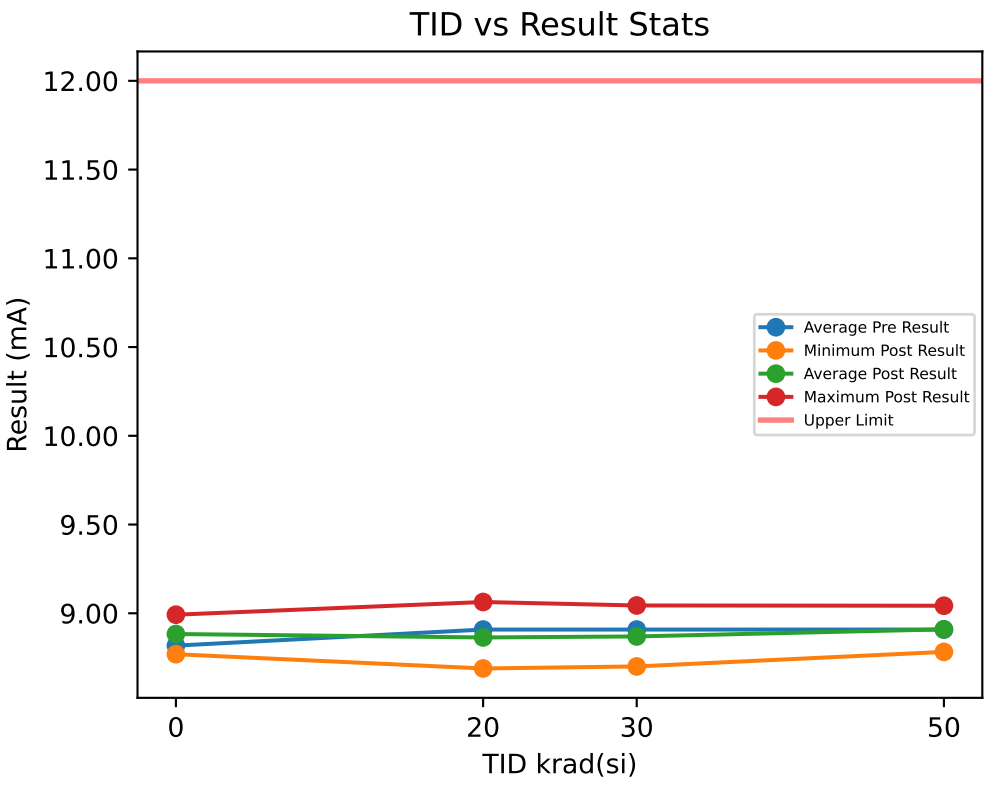
Test Results (Upper Limit = 6.3 (mA))

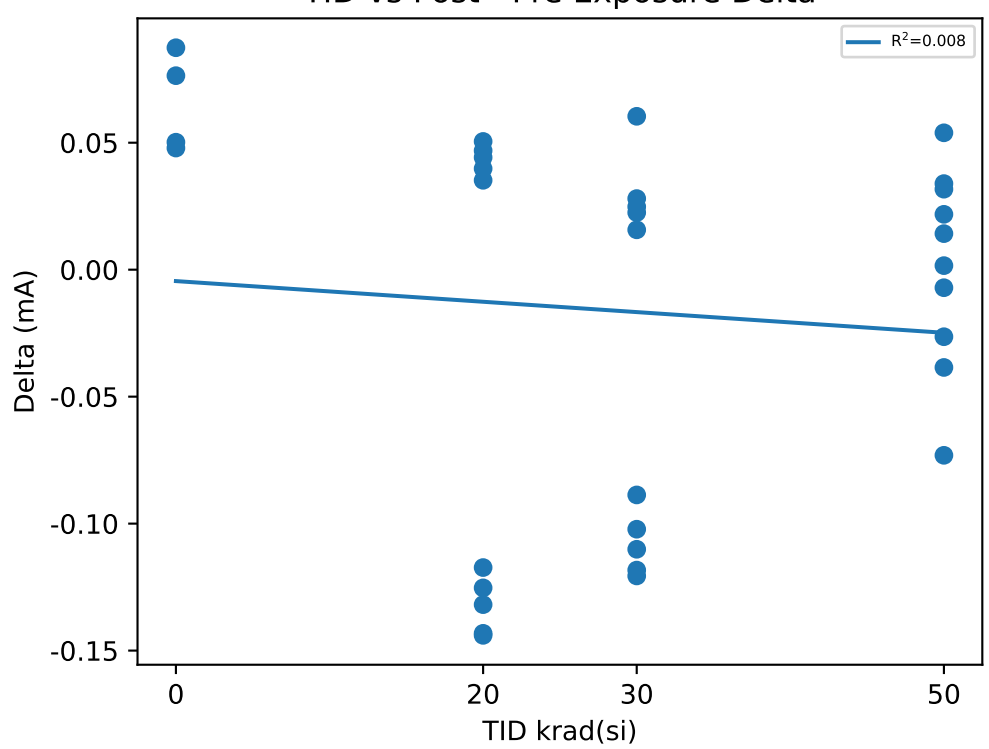
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
41	0	CORRELATION	3.692	3.665	-0.027
42	0	CORRELATION	3.8444	3.8129	-0.0315
43	0	CORRELATION	3.7116	3.685	-0.0266
45	0	CORRELATION	3.8552	3.8234	-0.0318
71	20	LDR BIAS	3.7905	3.8058	0.0153
72	20	LDR BIAS	3.8787	3.8845	0.0058
73	20	LDR BIAS	3.8746	3.9062	0.0316
74	20	LDR BIAS	3.7812	3.7815	0.0003
75	20	LDR BIAS	3.7997	3.7978	-0.0019
76	20	LDR UNBIAS	3.6656	3.68	0.0144
77	20	LDR UNBIAS	3.8428	3.8671	0.0243
78	20	LDR UNBIAS	3.8933	3.917	0.0237
79	20	LDR UNBIAS	3.8885	3.9076	0.0191
80	20	LDR UNBIAS	3.8252	3.8247	-0.0005
81	30	LDR BIAS	3.7905	3.7895	-0.001
82	30	LDR BIAS	3.8787	3.8786	-0.0001
83	30	LDR BIAS	3.8746	3.884	0.0094
84	30	LDR BIAS	3.7812	3.7772	-0.004
85	30	LDR BIAS	3.7997	3.8081	0.0084
86	30	LDR UNBIAS	3.6656	3.6631	-0.0025
87	30	LDR UNBIAS	3.8428	3.8655	0.0227
88	30	LDR UNBIAS	3.8933	3.9165	0.0232
89	30	LDR UNBIAS	3.8885	3.8948	0.0063
90	30	LDR UNBIAS	3.8252	3.8212	-0.004
91	50	LDR BIAS	3.7905	3.8291	0.0386
92	50	LDR BIAS	3.8787	3.9091	0.0304
93	50	LDR BIAS	3.8746	3.9279	0.0533
94	50	LDR BIAS	3.7812	3.8024	0.0212
95	50	LDR BIAS	3.7997	3.8518	0.0521
96	50	LDR UNBIAS	3.6656	3.6712	0.0056
97	50	LDR UNBIAS	3.8428	3.8752	0.0324
98	50	LDR UNBIAS	3.8933	3.9654	0.0721
99	50	LDR UNBIAS	3.8885	3.9292	0.0407
100	50	LDR UNBIAS	3.8252	3.841	0.0158

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	3.692	3.7758	3.8552	0.085935	3.665	3.7466	3.8234	0.083161	-0.0318	-0.029225	-0.0266	0.0028076
20	3.6656	3.824	3.8933	0.069526	3.68	3.8372	3.917	0.074331	-0.0019	0.01321	0.0316	0.011783
30	3.6656	3.824	3.8933	0.069526	3.6631	3.8298	3.9165	0.075322	-0.004	0.00584	0.0232	0.010276
50	3.6656	3.824	3.8933	0.069526	3.6712	3.8602	3.9654	0.083995	0.0056	0.03622	0.0721	0.01968

Device Test: 12.3 IOP|PWM/VIN/10/8///0.5MHz/@I_OP_LS_PWM_500KHZ





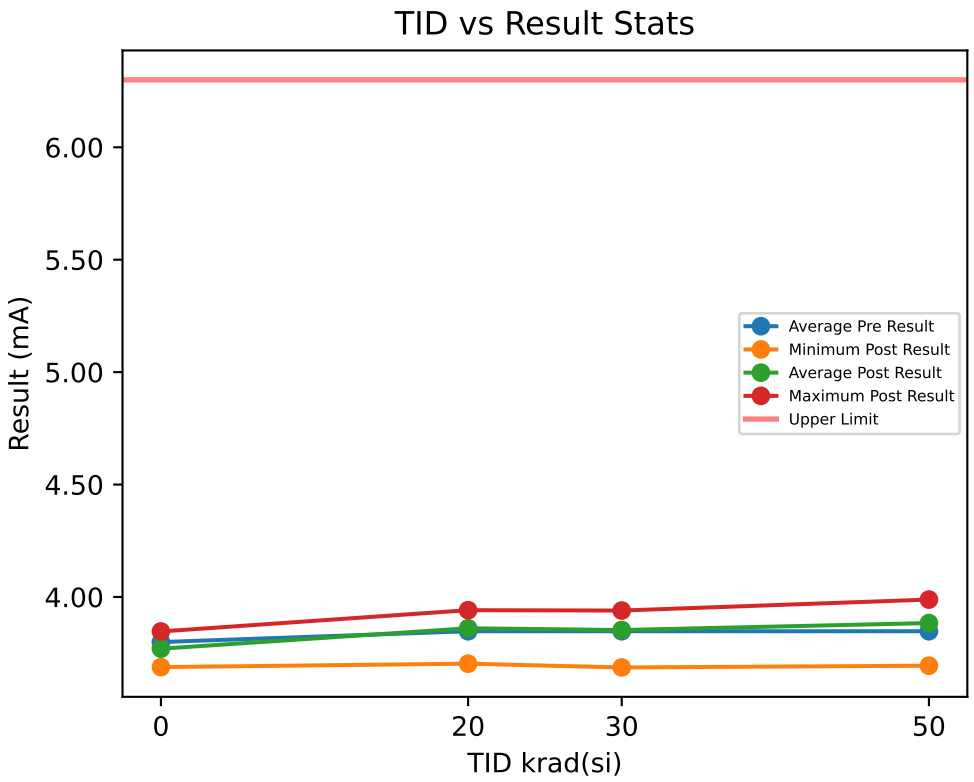
Test Results (Upper Limit = 12.0 (mA))

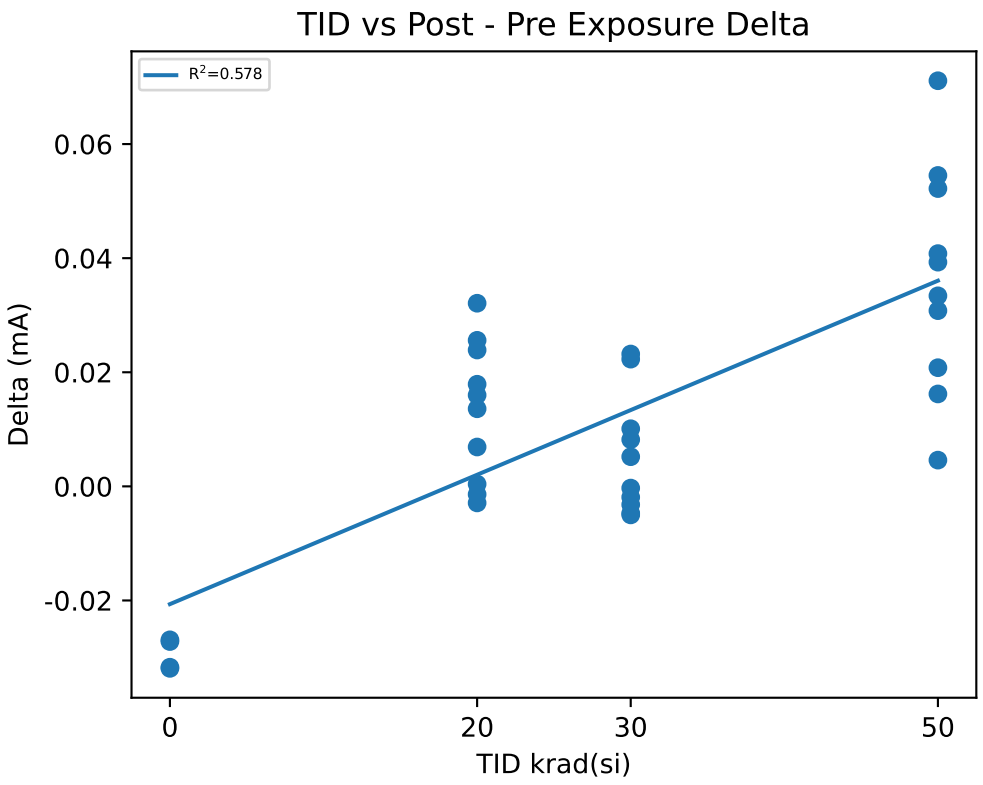
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
41	0	CORRELATION	8.9046	8.992	0.0874
42	0	CORRELATION	8.7192	8.7694	0.0502
43	0	CORRELATION	8.8513	8.8992	0.0479
45	0	CORRELATION	8.7957	8.8721	0.0764
71	20	LDR BIAS	8.8918	8.7665	-0.1253
72	20	LDR BIAS	8.9549	8.8109	-0.144
73	20	LDR BIAS	8.821	8.6891	-0.1319
74	20	LDR BIAS	8.9904	8.8731	-0.1173
75	20	LDR BIAS	8.8608	8.7176	-0.1432
76	20	LDR UNBIAS	8.7924	8.8366	0.0442
77	20	LDR UNBIAS	8.8	8.8398	0.0398
78	20	LDR UNBIAS	8.9975	9.048	0.0505
79	20	LDR UNBIAS	9.0283	9.0635	0.0352
80	20	LDR UNBIAS	8.9458	8.9927	0.0469
81	30	LDR BIAS	8.8918	8.8031	-0.0887
82	30	LDR BIAS	8.9549	8.8366	-0.1183
83	30	LDR BIAS	8.821	8.7004	-0.1206
84	30	LDR BIAS	8.9904	8.8882	-0.1022
85	30	LDR BIAS	8.8608	8.7507	-0.1101
86	30	LDR UNBIAS	8.7924	8.8172	0.0248
87	30	LDR UNBIAS	8.8	8.8225	0.0225
88	30	LDR UNBIAS	8.9975	9.0255	0.028
89	30	LDR UNBIAS	9.0283	9.044	0.0157
90	30	LDR UNBIAS	8.9458	9.0062	0.0604
91	50	LDR BIAS	8.8918	8.9136	0.0218
92	50	LDR BIAS	8.9549	8.8818	-0.0731
93	50	LDR BIAS	8.821	8.7825	-0.0385
94	50	LDR BIAS	8.9904	8.964	-0.0264
95	50	LDR BIAS	8.8608	8.8624	0.0016
96	50	LDR UNBIAS	8.7924	8.7853	-0.0071
97	50	LDR UNBIAS	8.8	8.8317	0.0317
98	50	LDR UNBIAS	8.9975	9.0314	0.0339
99	50	LDR UNBIAS	9.0283	9.0425	0.0142
100	50	LDR UNBIAS	8.9458	8.9997	0.0539

Test Statistics (mA)

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	8.7192	8.8177	8.9046	0.079303	8.7694	8.8832	8.992	0.091592	0.0479	0.065475	0.0874	0.019513
20	8.7924	8.9083	9.0283	0.086914	8.6891	8.8638	9.0635	0.13165	-0.144	-0.04451	0.0505	0.092984
30	8.7924	8.9083	9.0283	0.086914	8.7004	8.8694	9.044	0.11877	-0.1206	-0.03885	0.0604	0.074297
50	8.7924	8.9083	9.0283	0.086914	8.7825	8.9095	9.0425	0.096761	-0.0731	0.0012	0.0539	0.038438

Device Test: 12.34 IQ|IIM_EN/BOOT/12/10///0MHz/@IQ_HS_IIM





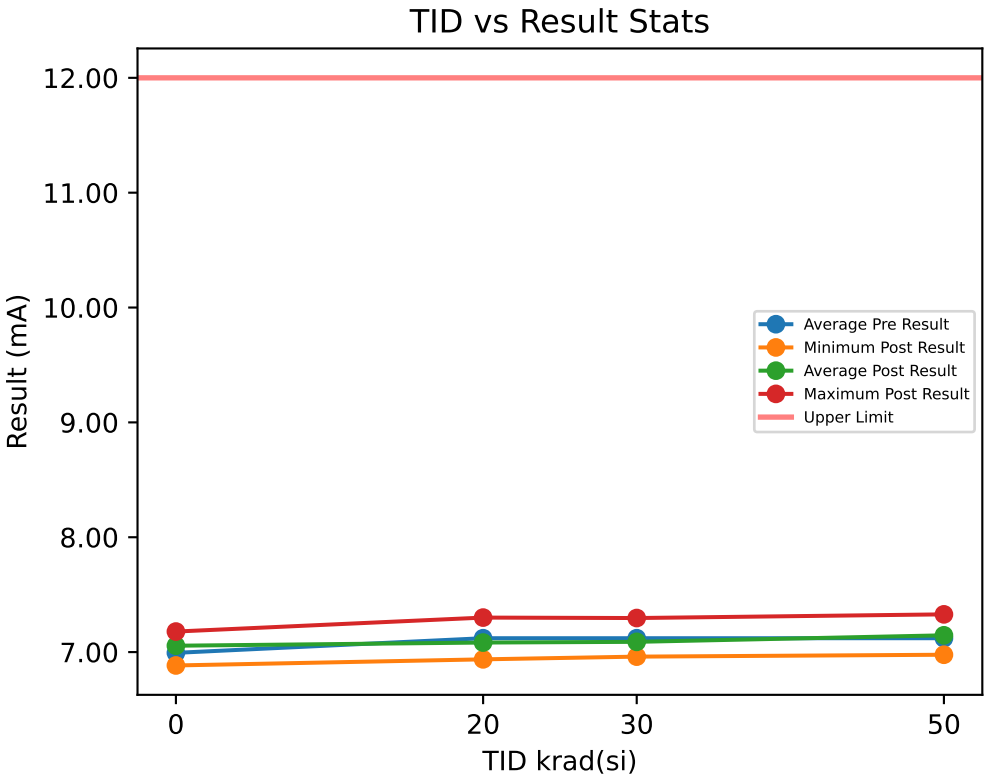
Test Results (Upper Limit = 6.3 (mA))

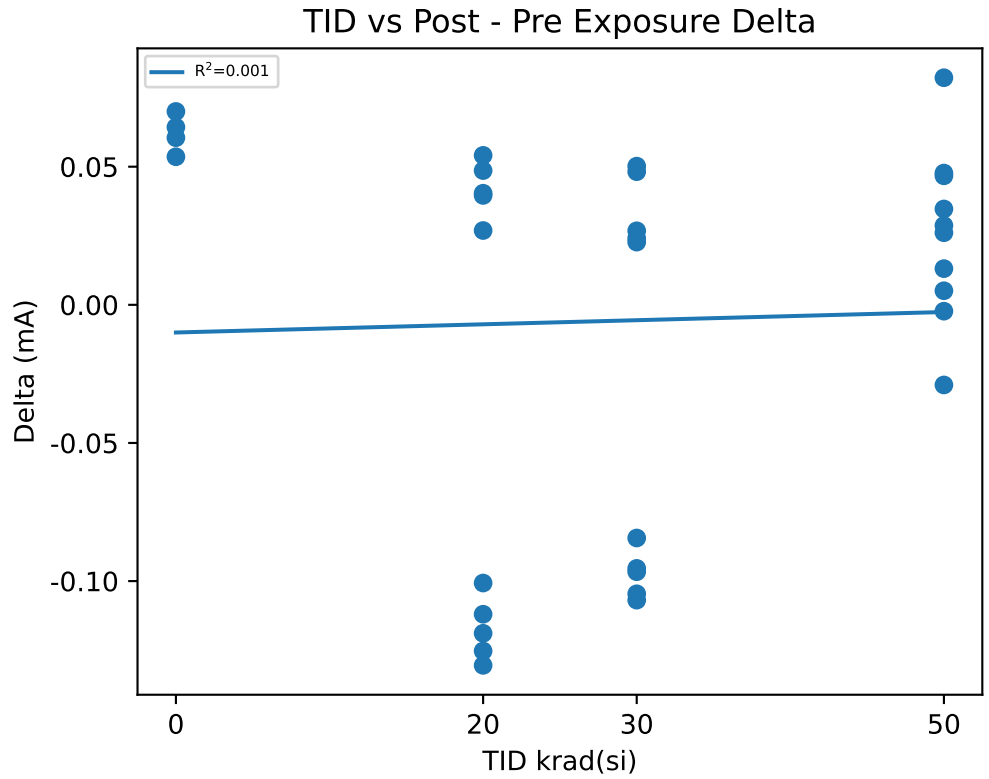
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
41	0	CORRELATION	3.715	3.6881	-0.0269
42	0	CORRELATION	3.8689	3.8372	-0.0317
43	0	CORRELATION	3.7354	3.7082	-0.0272
45	0	CORRELATION	3.8785	3.8466	-0.0319
71	20	LDR BIAS	3.8136	3.8296	0.016
72	20	LDR BIAS	3.9019	3.9088	0.0069
73	20	LDR BIAS	3.8977	3.9298	0.0321
74	20	LDR BIAS	3.8052	3.8056	0.0004
75	20	LDR BIAS	3.8232	3.8203	-0.0029
76	20	LDR UNBIAS	3.6897	3.7033	0.0136
77	20	LDR UNBIAS	3.8657	3.8913	0.0256
78	20	LDR UNBIAS	3.9173	3.9412	0.0239
79	20	LDR UNBIAS	3.9122	3.9301	0.0179
80	20	LDR UNBIAS	3.8493	3.8479	-0.0014
81	30	LDR BIAS	3.8136	3.8117	-0.0019
82	30	LDR BIAS	3.9019	3.9016	-0.0003
83	30	LDR BIAS	3.8977	3.9078	0.0101
84	30	LDR BIAS	3.8052	3.8002	-0.005
85	30	LDR BIAS	3.8232	3.8314	0.0082
86	30	LDR UNBIAS	3.6897	3.6865	-0.0032
87	30	LDR UNBIAS	3.8657	3.8889	0.0232
88	30	LDR UNBIAS	3.9173	3.9396	0.0223
89	30	LDR UNBIAS	3.9122	3.9174	0.0052
90	30	LDR UNBIAS	3.8493	3.8446	-0.0047
91	50	LDR BIAS	3.8136	3.8529	0.0393
92	50	LDR BIAS	3.9019	3.9327	0.0308
93	50	LDR BIAS	3.8977	3.9522	0.0545
94	50	LDR BIAS	3.8052	3.826	0.0208
95	50	LDR BIAS	3.8232	3.8754	0.0522
96	50	LDR UNBIAS	3.6897	3.6943	0.0046
97	50	LDR UNBIAS	3.8657	3.8991	0.0334
98	50	LDR UNBIAS	3.9173	3.9884	0.0711
99	50	LDR UNBIAS	3.9122	3.953	0.0408
100	50	LDR UNBIAS	3.8493	3.8655	0.0162

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	3.715	3.7994	3.8785	0.086229	3.6881	3.77	3.8466	0.083487	-0.0319	-0.029425	-0.0269	0.0027464
20	3.6897	3.8476	3.9173	0.069364	3.7033	3.8608	3.9412	0.074458	-0.0029	0.01321	0.0321	0.012163
30	3.6897	3.8476	3.9173	0.069364	3.6865	3.853	3.9396	0.075317	-0.005	0.00539	0.0232	0.010553
50	3.6897	3.8476	3.9173	0.069364	3.6943	3.884	3.9884	0.084093	0.0046	0.03637	0.0711	0.019754

Device Test: 12.4 IOP|PWM/BOOT/10/8///0.5MHz/@I_OP_HS_PWM_500KHZ





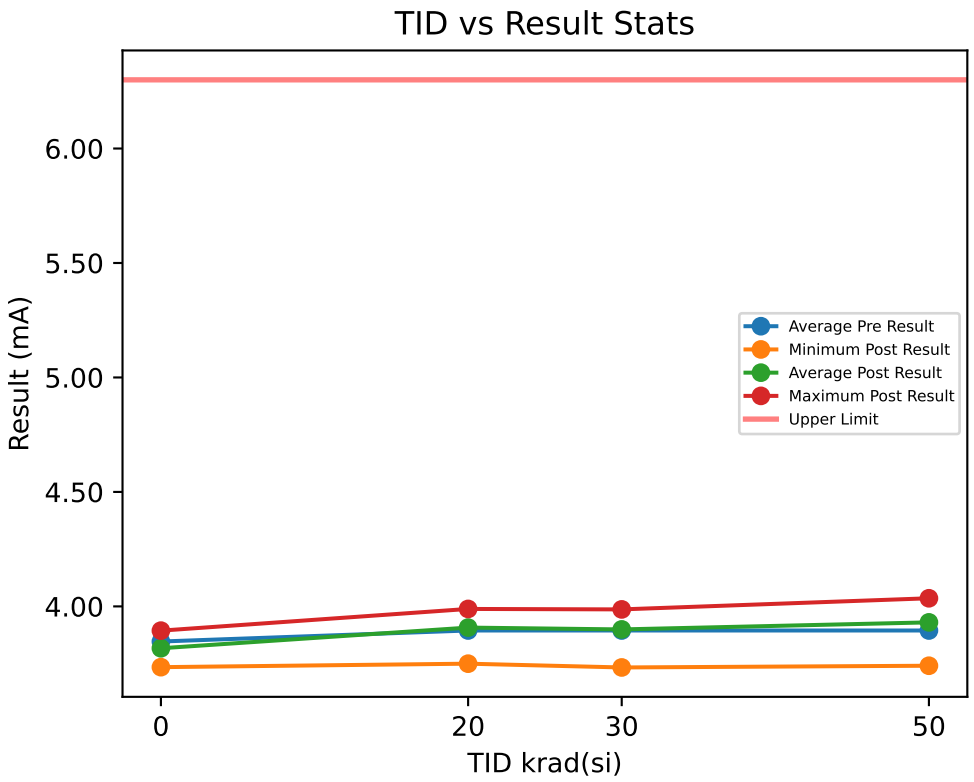
Test Results (Upper Limit = 12.0 (mA))

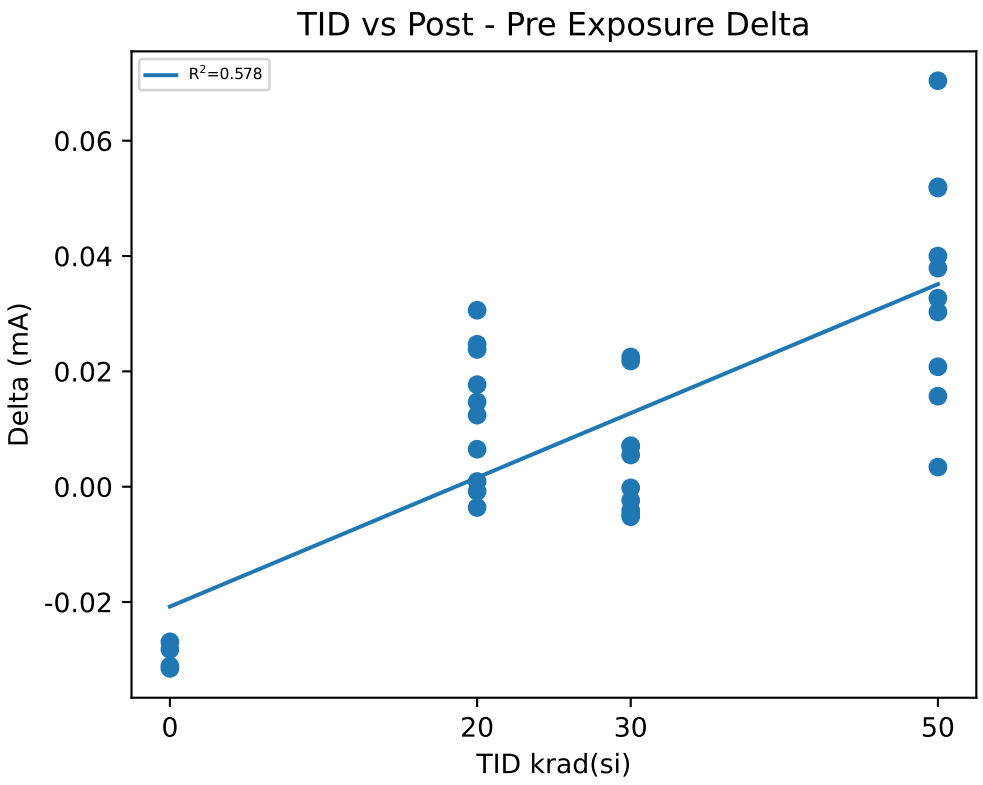
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
41	0	CORRELATION	6.83	6.8836	0.0536
42	0	CORRELATION	7.1145	7.1788	0.0643
43	0	CORRELATION	6.9918	7.0618	0.07
45	0	CORRELATION	7.0372	7.0977	0.0605
71	20	LDR BIAS	7.1844	7.0724	-0.112
72	20	LDR BIAS	7.0715	6.9462	-0.1253
73	20	LDR BIAS	7.182	7.0813	-0.1007
74	20	LDR BIAS	7.0673	6.9368	-0.1305
75	20	LDR BIAS	7.0941	6.9752	-0.1189
76	20	LDR UNBIAS	6.9638	7.0042	0.0404
77	20	LDR UNBIAS	7.1199	7.1685	0.0486
78	20	LDR UNBIAS	7.2463	7.3004	0.0541
79	20	LDR UNBIAS	7.179	7.2186	0.0396
80	20	LDR UNBIAS	7.0996	7.1265	0.0269
81	30	LDR BIAS	7.1844	7.0798	-0.1046
82	30	LDR BIAS	7.0715	6.9761	-0.0954
83	30	LDR BIAS	7.182	7.0854	-0.0966
84	30	LDR BIAS	7.0673	6.9604	-0.1069
85	30	LDR BIAS	7.0941	7.0097	-0.0844
86	30	LDR UNBIAS	6.9638	6.9879	0.0241
87	30	LDR UNBIAS	7.1199	7.1681	0.0482
88	30	LDR UNBIAS	7.2463	7.2965	0.0502
89	30	LDR UNBIAS	7.179	7.2058	0.0268
90	30	LDR UNBIAS	7.0996	7.1223	0.0227
91	50	LDR BIAS	7.1844	7.1821	-0.0023
92	50	LDR BIAS	7.0715	7.0766	0.0051
93	50	LDR BIAS	7.182	7.2167	0.0347
94	50	LDR BIAS	7.0673	7.0383	-0.029
95	50	LDR BIAS	7.0941	7.1228	0.0287
96	50	LDR UNBIAS	6.9638	6.9769	0.0131
97	50	LDR UNBIAS	7.1199	7.1666	0.0467
98	50	LDR UNBIAS	7.2463	7.3285	0.0822
99	50	LDR UNBIAS	7.179	7.2267	0.0477
100	50	LDR UNBIAS	7.0996	7.1257	0.0261

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	6.83	6.9934	7.1145	0.12012	6.8836	7.0555	7.1788	0.1246	0.0536	0.0621	0.07	0.0068814
20	6.9638	7.1208	7.2463	0.0803	6.9368	7.083	7.3004	0.12151	-0.1305	-0.03778	0.0541	0.084651
30	6.9638	7.1208	7.2463	0.0803	6.9604	7.0892	7.2965	0.11053	-0.1069	-0.03159	0.0502	0.070398
50	6.9638	7.1208	7.2463	0.0803	6.9769	7.1461	7.3285	0.10138	-0.029	0.0253	0.0822	0.030849

Device Test: 12.42 IQ|IIM_EN/BOOT/14/14///0MHz/@IQ_HS_IIM





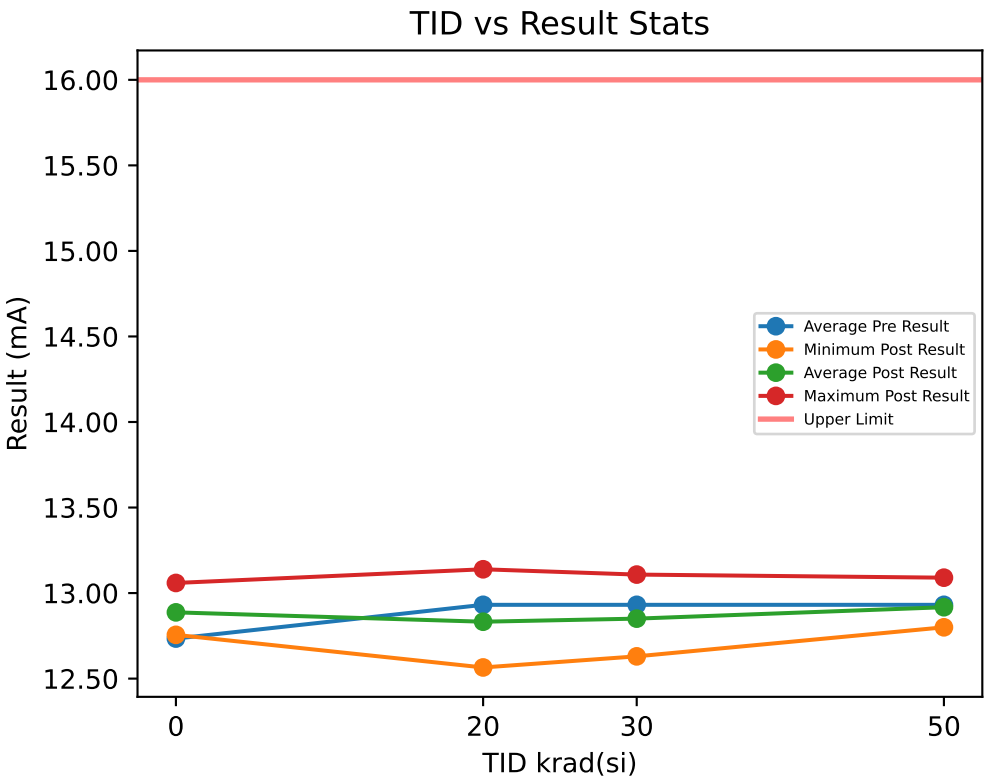
Test Results (Upper Limit = 6.3 (mA))

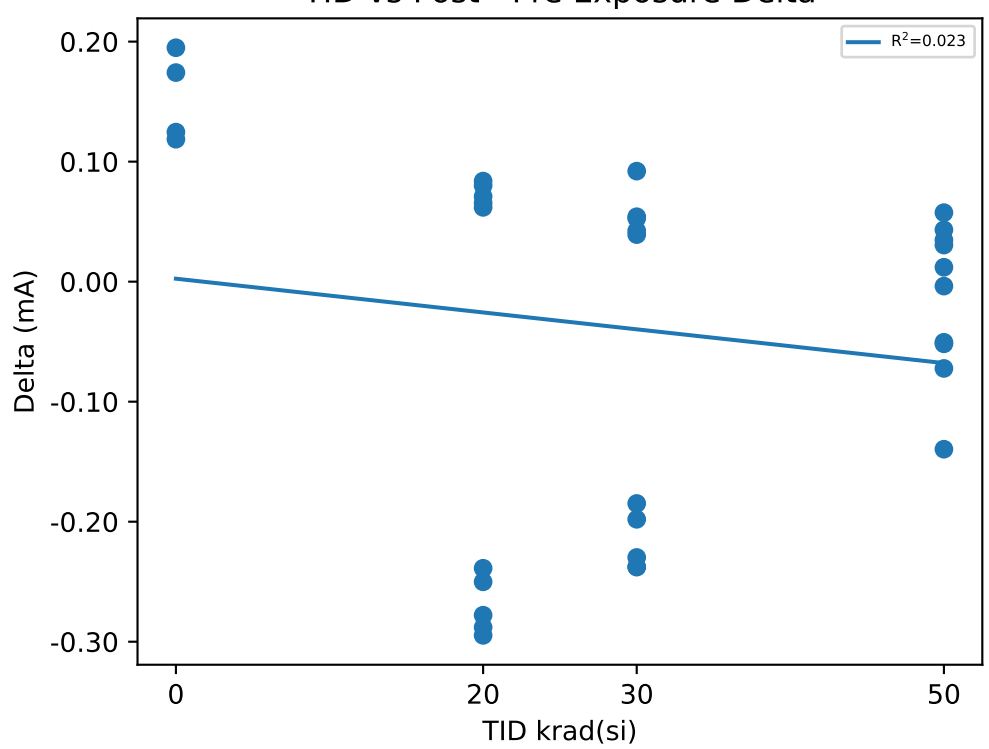
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
41	0	CORRELATION	3.7615	3.7346	-0.0269
42	0	CORRELATION	3.916	3.8849	-0.0311
43	0	CORRELATION	3.7833	3.7551	-0.0282
45	0	CORRELATION	3.9256	3.8941	-0.0315
71	20	LDR BIAS	3.8599	3.8746	0.0147
72	20	LDR BIAS	3.9488	3.9553	0.0065
73	20	LDR BIAS	3.9453	3.9759	0.0306
74	20	LDR BIAS	3.8521	3.853	0.0009
75	20	LDR BIAS	3.8711	3.8675	-0.0036
76	20	LDR UNBIAS	3.7374	3.7498	0.0124
77	20	LDR UNBIAS	3.9127	3.9374	0.0247
78	20	LDR UNBIAS	3.9651	3.9889	0.0238
79	20	LDR UNBIAS	3.9589	3.9766	0.0177
80	20	LDR UNBIAS	3.8961	3.8953	-0.0008
81	30	LDR BIAS	3.8599	3.8575	-0.0024
82	30	LDR BIAS	3.9488	3.9486	-0.0002
83	30	LDR BIAS	3.9453	3.9524	0.0071
84	30	LDR BIAS	3.8521	3.8469	-0.0052
85	30	LDR BIAS	3.8711	3.8781	0.007
86	30	LDR UNBIAS	3.7374	3.7333	-0.0041
87	30	LDR UNBIAS	3.9127	3.9352	0.0225
88	30	LDR UNBIAS	3.9651	3.9869	0.0218
89	30	LDR UNBIAS	3.9589	3.9644	0.0055
90	30	LDR UNBIAS	3.8961	3.8913	-0.0048
91	50	LDR BIAS	3.8599	3.8978	0.0379
92	50	LDR BIAS	3.9488	3.9791	0.0303
93	50	LDR BIAS	3.9453	3.9973	0.052
94	50	LDR BIAS	3.8521	3.8729	0.0208
95	50	LDR BIAS	3.8711	3.9229	0.0518
96	50	LDR UNBIAS	3.7374	3.7408	0.0034
97	50	LDR UNBIAS	3.9127	3.9454	0.0327
98	50	LDR UNBIAS	3.9651	4.0355	0.0704
99	50	LDR UNBIAS	3.9589	3.9989	0.04
100	50	LDR UNBIAS	3.8961	3.9118	0.0157

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	3.7615	3.8466	3.9256	0.086229	3.7346	3.8172	3.8941	0.084016	-0.0315	-0.029425	-0.0269	0.0022351
20	3.7374	3.8947	3.9651	0.069296	3.7498	3.9074	3.9889	0.074483	-0.0036	0.01269	0.0306	0.011749
30	3.7374	3.8947	3.9651	0.069296	3.7333	3.8995	3.9869	0.075287	-0.0052	0.00472	0.0225	0.010334
50	3.7374	3.8947	3.9651	0.069296	3.7408	3.9302	4.0355	0.084017	0.0034	0.0355	0.0704	0.019594

Device Test: 12.5 IOP|PWM/VIN/10/8///1MHz/@I_OP_LS_PWM_1MHZ





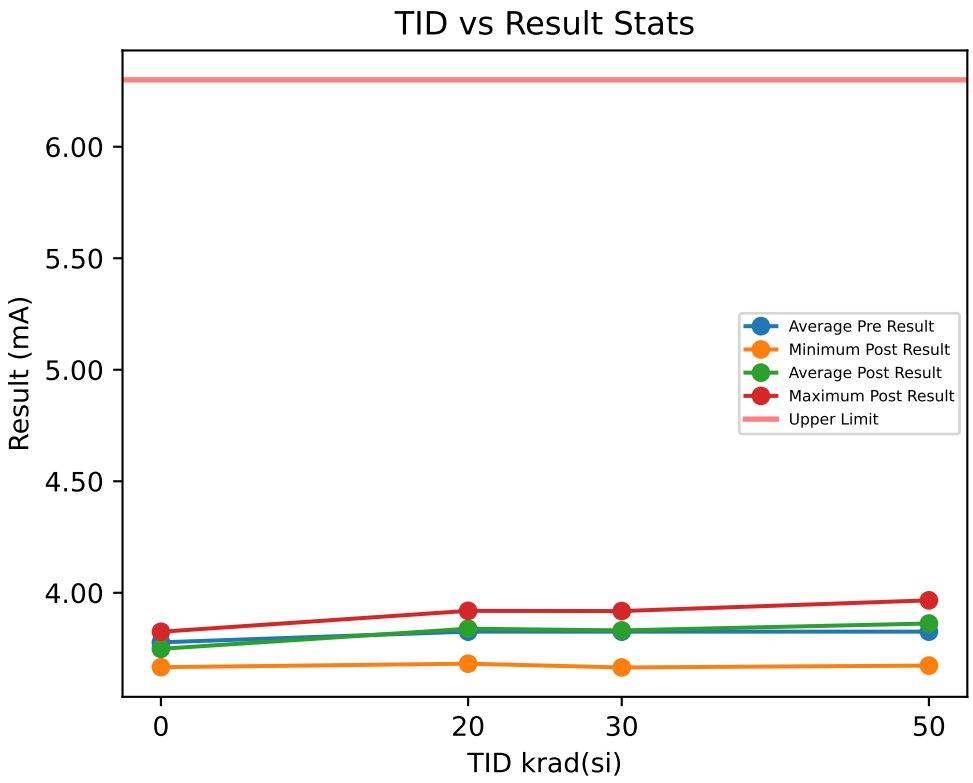
Test Results (Upper Limit = 16.0 (mA))

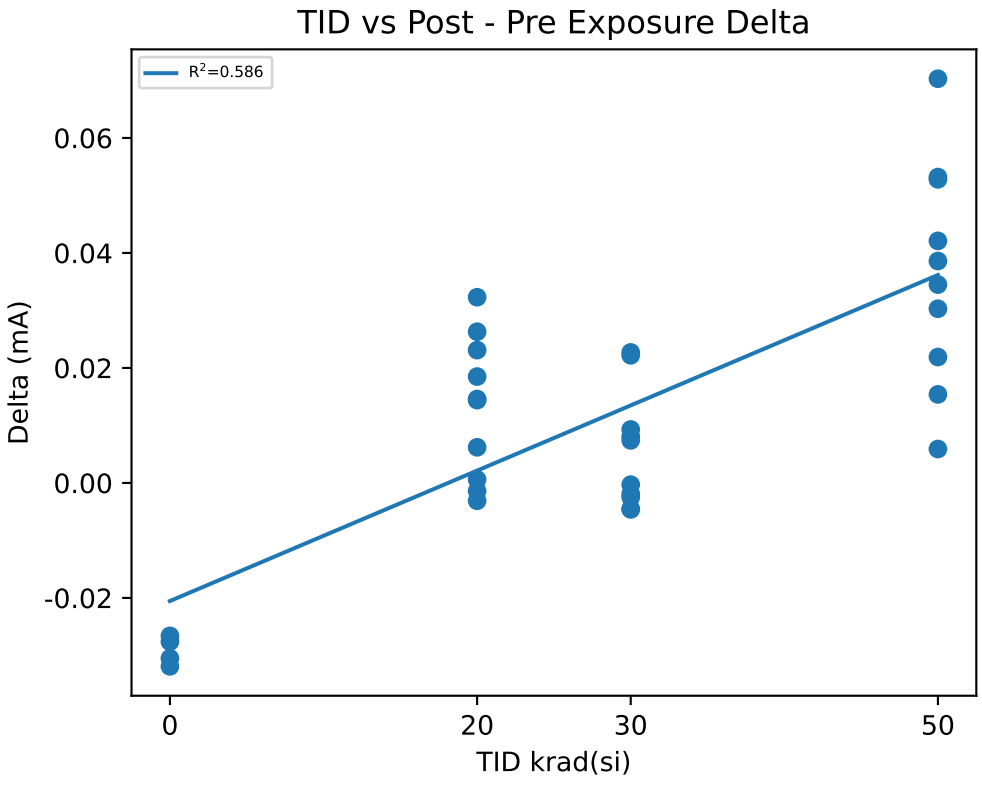
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
41	0	CORRELATION	12.864	13.059	0.1949
42	0	CORRELATION	12.631	12.756	0.1246
43	0	CORRELATION	12.745	12.864	0.1187
45	0	CORRELATION	12.696	12.87	0.1742
71	20	LDR BIAS	12.949	12.699	-0.2501
72	20	LDR BIAS	12.961	12.673	-0.288
73	20	LDR BIAS	12.877	12.599	-0.2779
74	20	LDR BIAS	13.022	12.784	-0.2388
75	20	LDR BIAS	12.86	12.565	-0.2947
76	20	LDR UNBIAS	12.821	12.892	0.071
77	20	LDR UNBIAS	12.757	12.819	0.0619
78	20	LDR UNBIAS	13.055	13.139	0.0838
79	20	LDR UNBIAS	13.032	13.098	0.0656
80	20	LDR UNBIAS	12.979	13.059	0.08
81	30	LDR BIAS	12.949	12.765	-0.1848
82	30	LDR BIAS	12.961	12.723	-0.2378
83	30	LDR BIAS	12.877	12.639	-0.2376
84	30	LDR BIAS	13.022	12.824	-0.198
85	30	LDR BIAS	12.86	12.63	-0.2298
86	30	LDR UNBIAS	12.821	12.876	0.0541
87	30	LDR UNBIAS	12.757	12.799	0.0424
88	30	LDR UNBIAS	13.055	13.108	0.0528
89	30	LDR UNBIAS	13.032	13.071	0.0392
90	30	LDR UNBIAS	12.979	13.071	0.0921
91	50	LDR BIAS	12.949	12.961	0.012
92	50	LDR BIAS	12.961	12.821	-0.1396
93	50	LDR BIAS	12.877	12.805	-0.0723
94	50	LDR BIAS	13.022	12.972	-0.0505
95	50	LDR BIAS	12.86	12.808	-0.0518
96	50	LDR UNBIAS	12.821	12.818	-0.0037
97	50	LDR UNBIAS	12.757	12.8	0.0432
98	50	LDR UNBIAS	13.055	13.09	0.0347
99	50	LDR UNBIAS	13.032	13.063	0.0305
100	50	LDR UNBIAS	12.979	13.036	0.0575

Test Statistics (mA)

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	12.631	12.734	12.864	0.098421	12.756	12.887	13.059	0.12603	0.1187	0.1531	0.1949	0.037363
20	12.757	12.931	13.055	0.098809	12.565	12.833	13.139	0.2084	-0.2947	-0.09872	0.0838	0.18127
30	12.757	12.931	13.055	0.098809	12.63	12.851	13.108	0.17776	-0.2378	-0.08074	0.0921	0.14587
50	12.757	12.931	13.055	0.098809	12.8	12.917	13.09	0.11905	-0.1396	-0.014	0.0575	0.062764

Device Test: 12.50 IQ|IIM_DIS/BOOT/10/8///0MHz/@IQ_HS_IIM





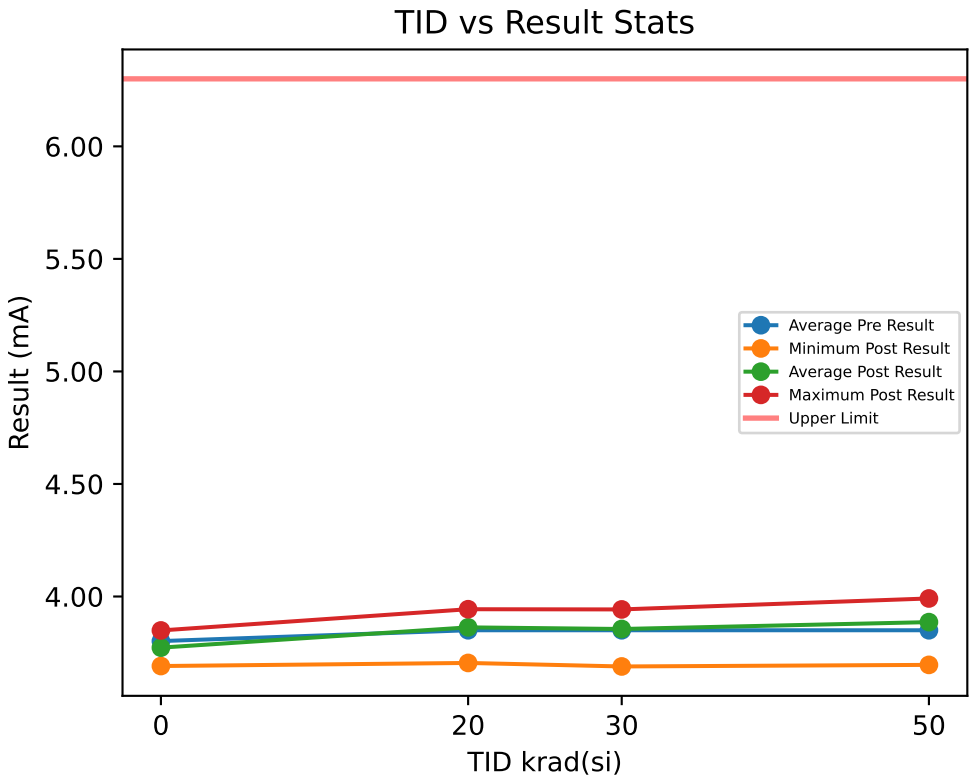
Test Results (Upper Limit = 6.3 (mA))

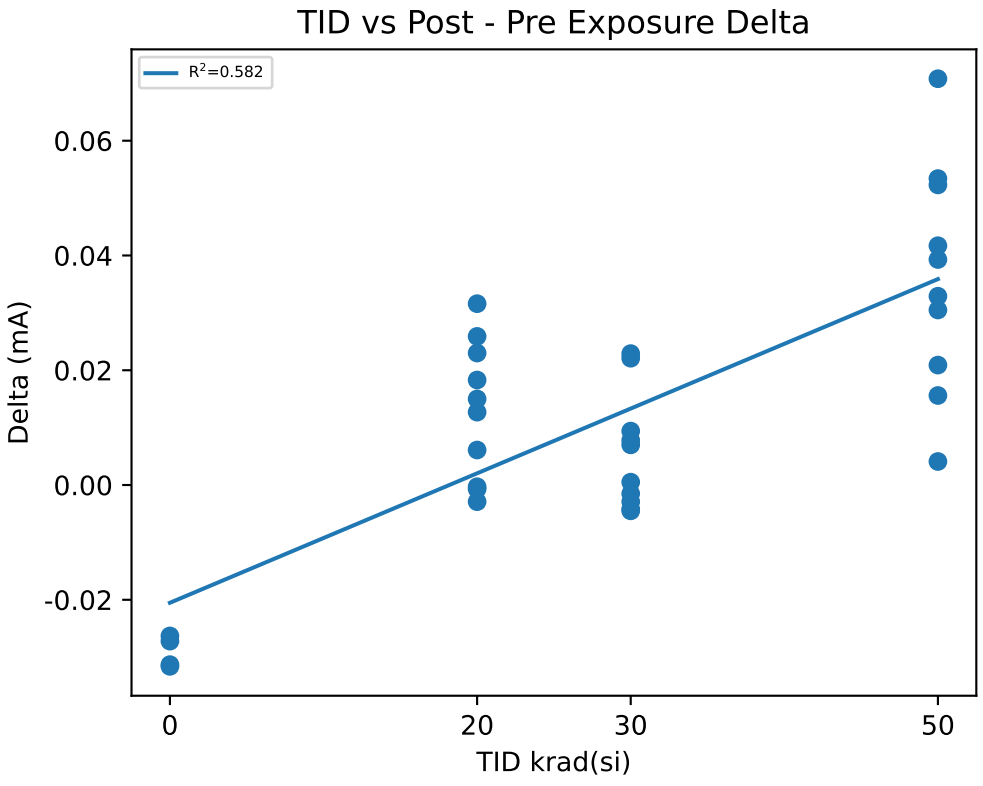
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
41	0	CORRELATION	3.694	3.6664	-0.0276
42	0	CORRELATION	3.8462	3.8157	-0.0305
43	0	CORRELATION	3.7139	3.6873	-0.0266
45	0	CORRELATION	3.8572	3.8253	-0.0319
71	20	LDR BIAS	3.7926	3.8072	0.0146
72	20	LDR BIAS	3.8803	3.8865	0.0062
73	20	LDR BIAS	3.8753	3.9076	0.0323
74	20	LDR BIAS	3.783	3.7836	0.0006
75	20	LDR BIAS	3.802	3.7989	-0.0031
76	20	LDR UNBIAS	3.6677	3.6821	0.0144
77	20	LDR UNBIAS	3.8436	3.8699	0.0263
78	20	LDR UNBIAS	3.8959	3.919	0.0231
79	20	LDR UNBIAS	3.8896	3.9081	0.0185
80	20	LDR UNBIAS	3.8278	3.8264	-0.0014
81	30	LDR BIAS	3.7926	3.7907	-0.0019
82	30	LDR BIAS	3.8803	3.88	-0.0003
83	30	LDR BIAS	3.8753	3.8846	0.0093
84	30	LDR BIAS	3.783	3.7784	-0.0046
85	30	LDR BIAS	3.802	3.8101	0.0081
86	30	LDR UNBIAS	3.6677	3.6652	-0.0025
87	30	LDR UNBIAS	3.8436	3.8663	0.0227
88	30	LDR UNBIAS	3.8959	3.9181	0.0222
89	30	LDR UNBIAS	3.8896	3.897	0.0074
90	30	LDR UNBIAS	3.8278	3.8233	-0.0045
91	50	LDR BIAS	3.7926	3.8312	0.0386
92	50	LDR BIAS	3.8803	3.9106	0.0303
93	50	LDR BIAS	3.8753	3.9285	0.0532
94	50	LDR BIAS	3.783	3.8049	0.0219
95	50	LDR BIAS	3.802	3.8548	0.0528
96	50	LDR UNBIAS	3.6677	3.6736	0.0059
97	50	LDR UNBIAS	3.8436	3.8781	0.0345
98	50	LDR UNBIAS	3.8959	3.9662	0.0703
99	50	LDR UNBIAS	3.8896	3.9317	0.0421
100	50	LDR UNBIAS	3.8278	3.8432	0.0154

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	3.694	3.7778	3.8572	0.085807	3.6664	3.7487	3.8253	0.083466	-0.0319	-0.02915	-0.0266	0.0024691
20	3.6677	3.8258	3.8959	0.0693	3.6821	3.8389	3.919	0.074204	-0.0031	0.01315	0.0323	0.012259
30	3.6677	3.8258	3.8959	0.0693	3.6652	3.8314	3.9181	0.075157	-0.0046	0.00559	0.0227	0.010295
50	3.6677	3.8258	3.8959	0.0693	3.6736	3.8623	3.9662	0.083578	0.0059	0.0365	0.0703	0.019322

Device Test: 12.58 IQ|IIM_DIS/BOOT/12/10///0MHz/@IQ_HS_IIM





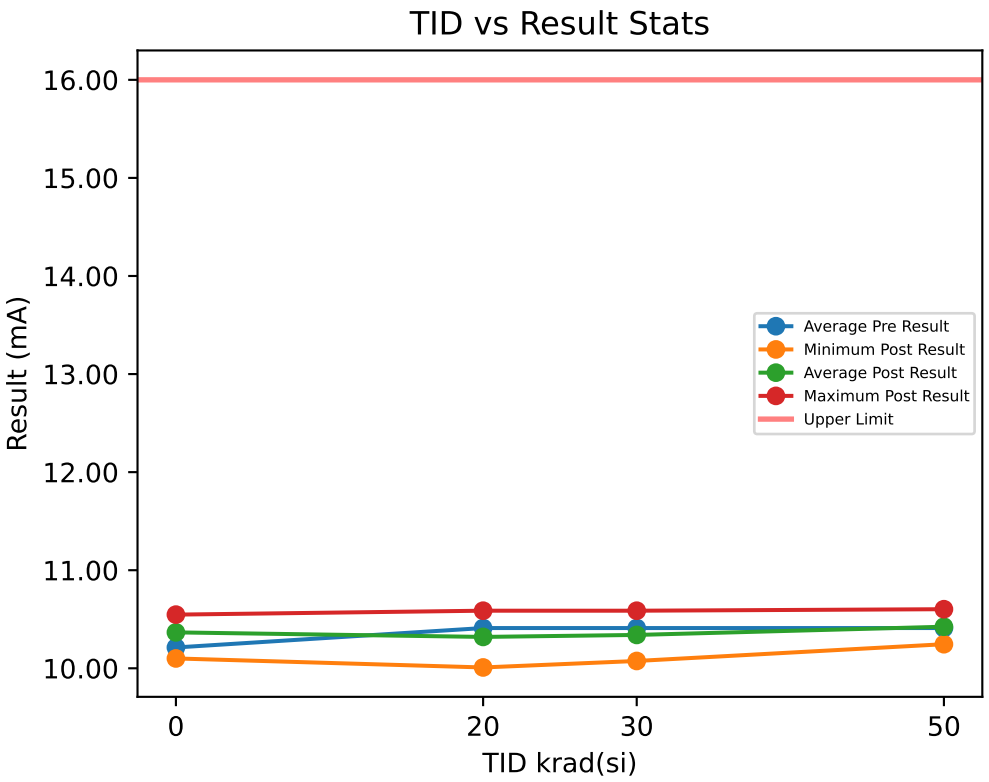
Test Results (Upper Limit = 6.3 (mA))

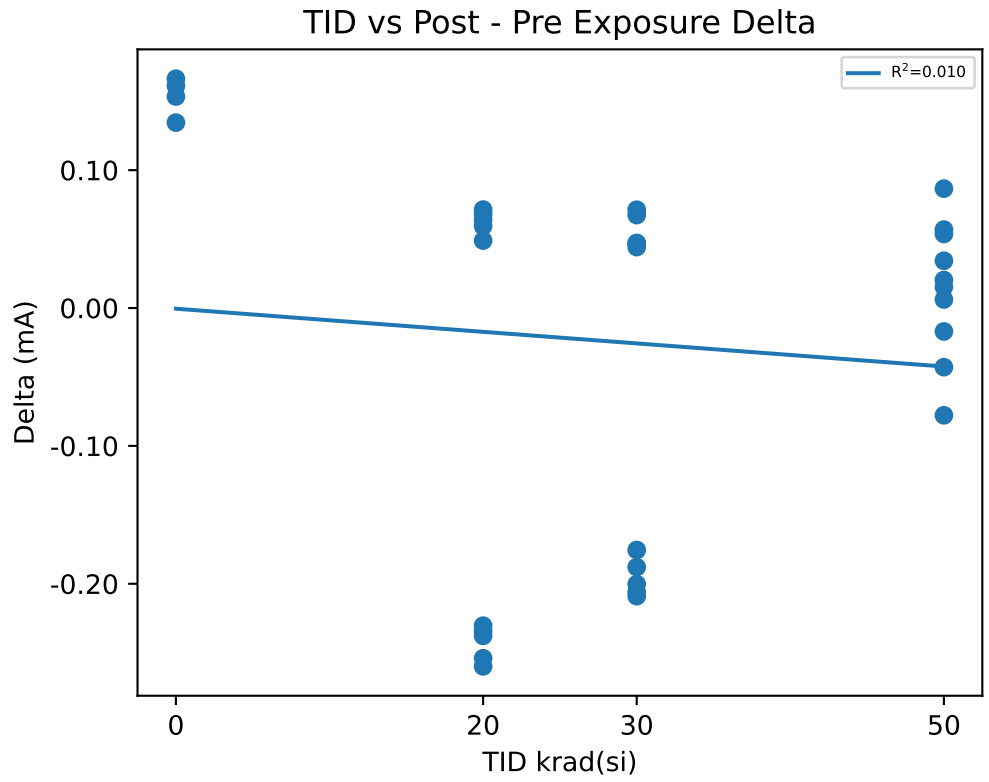
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
41	0	CORRELATION	3.7174	3.6911	-0.0263
42	0	CORRELATION	3.8709	3.8396	-0.0313
43	0	CORRELATION	3.7385	3.7113	-0.0272
45	0	CORRELATION	3.8808	3.8492	-0.0316
71	20	LDR BIAS	3.816	3.831	0.015
72	20	LDR BIAS	3.9043	3.9104	0.0061
73	20	LDR BIAS	3.8997	3.9313	0.0316
74	20	LDR BIAS	3.808	3.8077	-0.0003
75	20	LDR BIAS	3.8261	3.8232	-0.0029
76	20	LDR UNBIAS	3.6921	3.7048	0.0127
77	20	LDR UNBIAS	3.8683	3.8942	0.0259
78	20	LDR UNBIAS	3.9205	3.9435	0.023
79	20	LDR UNBIAS	3.9137	3.932	0.0183
80	20	LDR UNBIAS	3.8515	3.8508	-0.0007
81	30	LDR BIAS	3.816	3.8145	-0.0015
82	30	LDR BIAS	3.9043	3.9048	0.0005
83	30	LDR BIAS	3.8997	3.9091	0.0094
84	30	LDR BIAS	3.808	3.8035	-0.0045
85	30	LDR BIAS	3.8261	3.8339	0.0078
86	30	LDR UNBIAS	3.6921	3.6892	-0.0029
87	30	LDR UNBIAS	3.8683	3.8912	0.0229
88	30	LDR UNBIAS	3.9205	3.9426	0.0221
89	30	LDR UNBIAS	3.9137	3.9207	0.007
90	30	LDR UNBIAS	3.8515	3.8473	-0.0042
91	50	LDR BIAS	3.816	3.8553	0.0393
92	50	LDR BIAS	3.9043	3.9348	0.0305
93	50	LDR BIAS	3.8997	3.9531	0.0534
94	50	LDR BIAS	3.808	3.8289	0.0209
95	50	LDR BIAS	3.8261	3.8784	0.0523
96	50	LDR UNBIAS	3.6921	3.6962	0.0041
97	50	LDR UNBIAS	3.8683	3.9012	0.0329
98	50	LDR UNBIAS	3.9205	3.9913	0.0708
99	50	LDR UNBIAS	3.9137	3.9554	0.0417
100	50	LDR UNBIAS	3.8515	3.8671	0.0156

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	3.7174	3.8019	3.8808	0.085919	3.6911	3.7728	3.8492	0.083179	-0.0316	-0.0291	-0.0263	0.002741
20	3.6921	3.85	3.9205	0.069288	3.7048	3.8629	3.9435	0.074512	-0.0029	0.01287	0.0316	0.012062
30	3.6921	3.85	3.9205	0.069288	3.6892	3.8557	3.9426	0.07527	-0.0045	0.00566	0.0229	0.010217
50	3.6921	3.85	3.9205	0.069288	3.6962	3.8862	3.9913	0.084104	0.0041	0.03615	0.0708	0.019789

Device Test: 12.6 IOP|PWM/BOOT/10/8///1MHz/@I_OP_HS_PWM_1MHZ





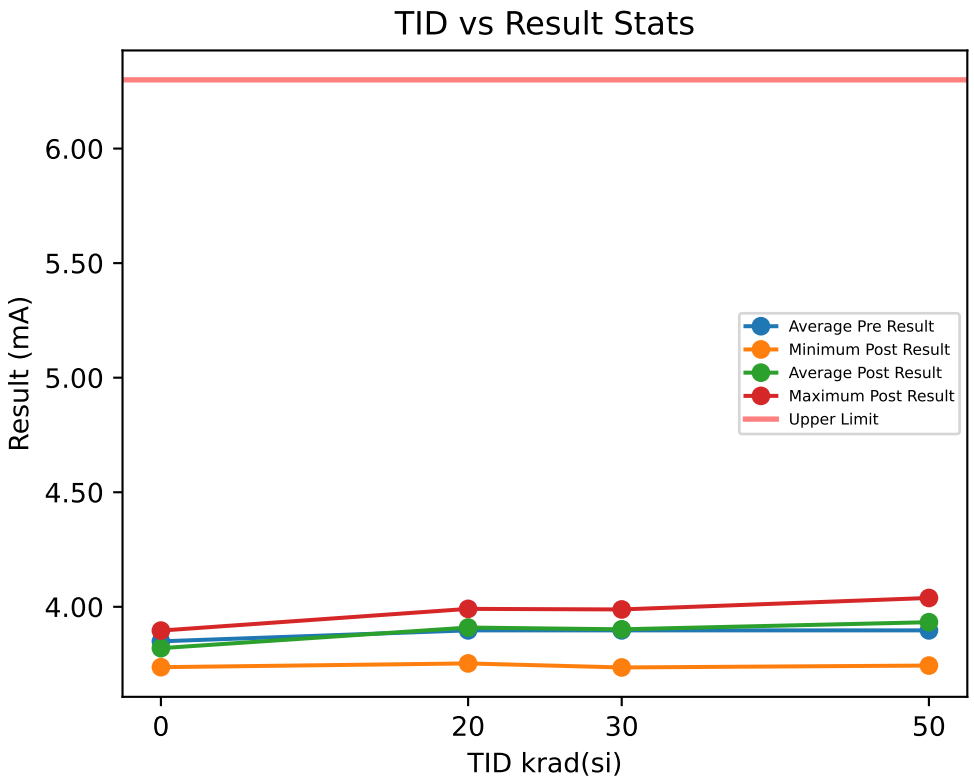
Test Results (Upper Limit = 16.0 (mA))

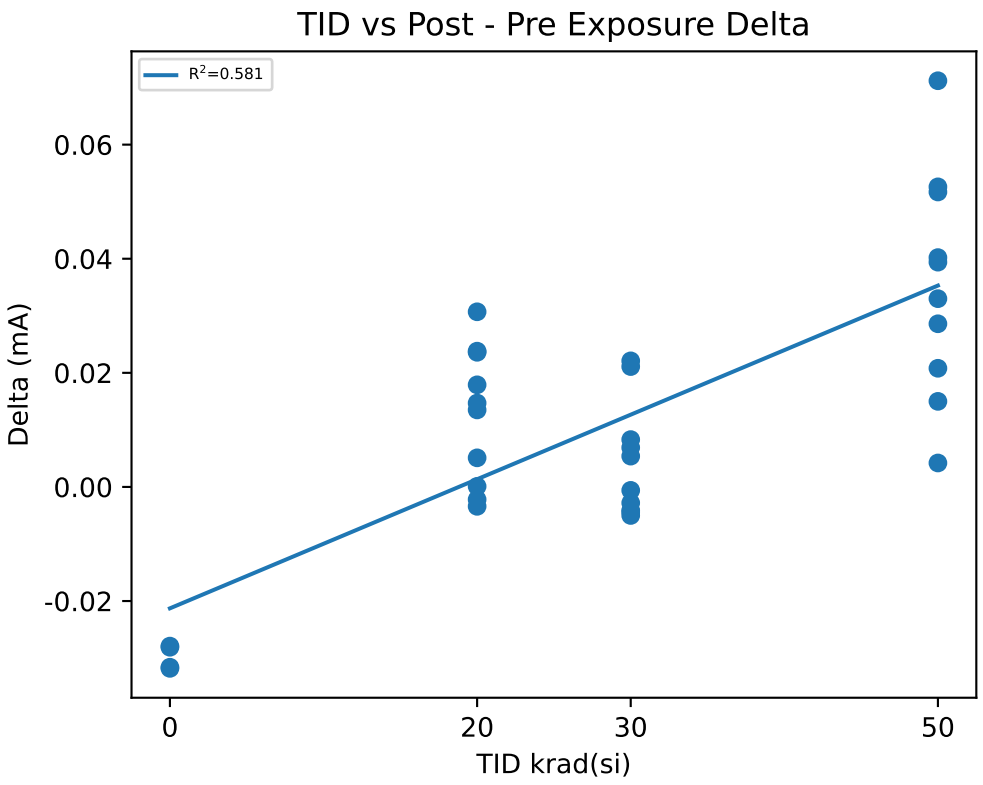
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
41	0	CORRELATION	9.9659	10.1	0.1345
42	0	CORRELATION	10.386	10.547	0.1611
43	0	CORRELATION	10.276	10.443	0.1663
45	0	CORRELATION	10.221	10.374	0.1534
71	20	LDR BIAS	10.581	10.343	-0.2378
72	20	LDR BIAS	10.262	10.008	-0.254
73	20	LDR BIAS	10.491	10.261	-0.2304
74	20	LDR BIAS	10.354	10.095	-0.2599
75	20	LDR BIAS	10.39	10.156	-0.2343
76	20	LDR UNBIAS	10.262	10.326	0.0641
77	20	LDR UNBIAS	10.397	10.465	0.068
78	20	LDR UNBIAS	10.516	10.587	0.0714
79	20	LDR UNBIAS	10.474	10.533	0.0594
80	20	LDR UNBIAS	10.375	10.424	0.0489
81	30	LDR BIAS	10.581	10.374	-0.2061
82	30	LDR BIAS	10.262	10.075	-0.1879
83	30	LDR BIAS	10.491	10.291	-0.2003
84	30	LDR BIAS	10.354	10.146	-0.209
85	30	LDR BIAS	10.39	10.215	-0.1755
86	30	LDR UNBIAS	10.262	10.309	0.0472
87	30	LDR UNBIAS	10.397	10.464	0.0674
88	30	LDR UNBIAS	10.516	10.587	0.0713
89	30	LDR UNBIAS	10.474	10.52	0.0467
90	30	LDR UNBIAS	10.375	10.42	0.0442
91	50	LDR BIAS	10.581	10.538	-0.0429
92	50	LDR BIAS	10.262	10.245	-0.017
93	50	LDR BIAS	10.491	10.506	0.0153
94	50	LDR BIAS	10.354	10.277	-0.0778
95	50	LDR BIAS	10.39	10.396	0.0062
96	50	LDR UNBIAS	10.262	10.283	0.0203
97	50	LDR UNBIAS	10.397	10.454	0.0569
98	50	LDR UNBIAS	10.516	10.602	0.0866
99	50	LDR UNBIAS	10.474	10.527	0.0537
100	50	LDR UNBIAS	10.375	10.41	0.0343

Test Statistics (mA)

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	9.9659	10.212	10.386	0.17802	10.1	10.366	10.547	0.19087	0.1345	0.15383	0.1663	0.013931
20	10.262	10.41	10.581	0.10507	10.008	10.32	10.587	0.19077	-0.2599	-0.09046	0.0714	0.16142
30	10.262	10.41	10.581	0.10507	10.075	10.34	10.587	0.16463	-0.209	-0.0702	0.0713	0.13296
50	10.262	10.41	10.581	0.10507	10.245	10.424	10.602	0.12367	-0.0778	0.01356	0.0866	0.049245

Device Test: 12.66 IQ|IIM_DIS/BOOT/14/14///0MHz/@IQ_HS_IIM





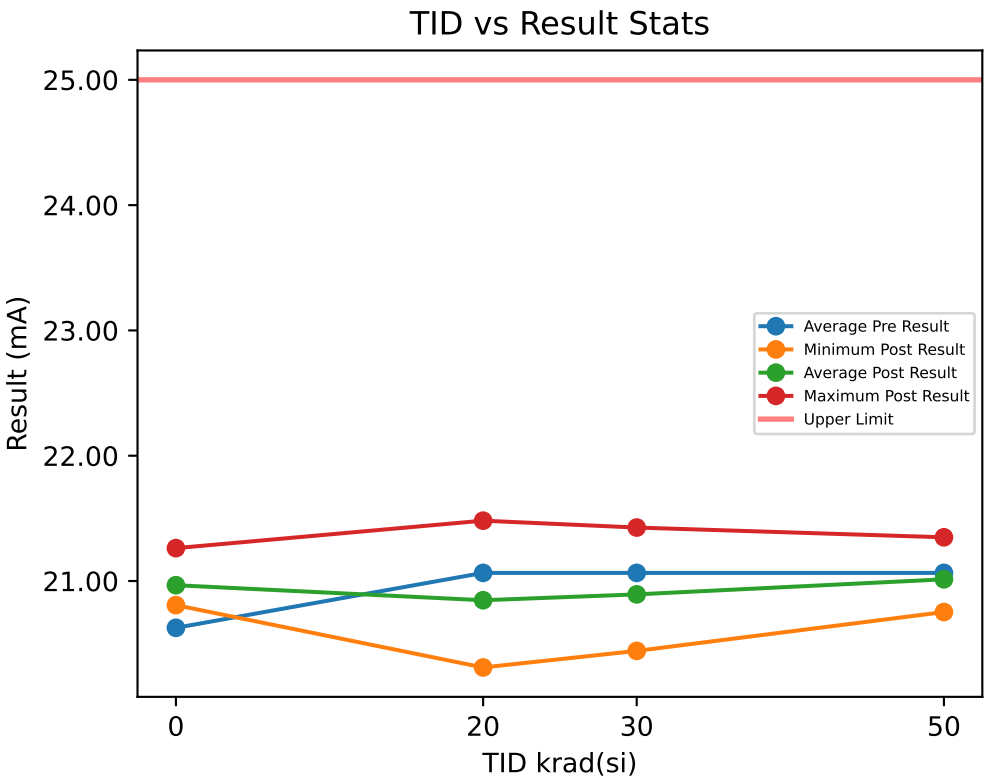
Test Results (Upper Limit = 6.3 (mA))

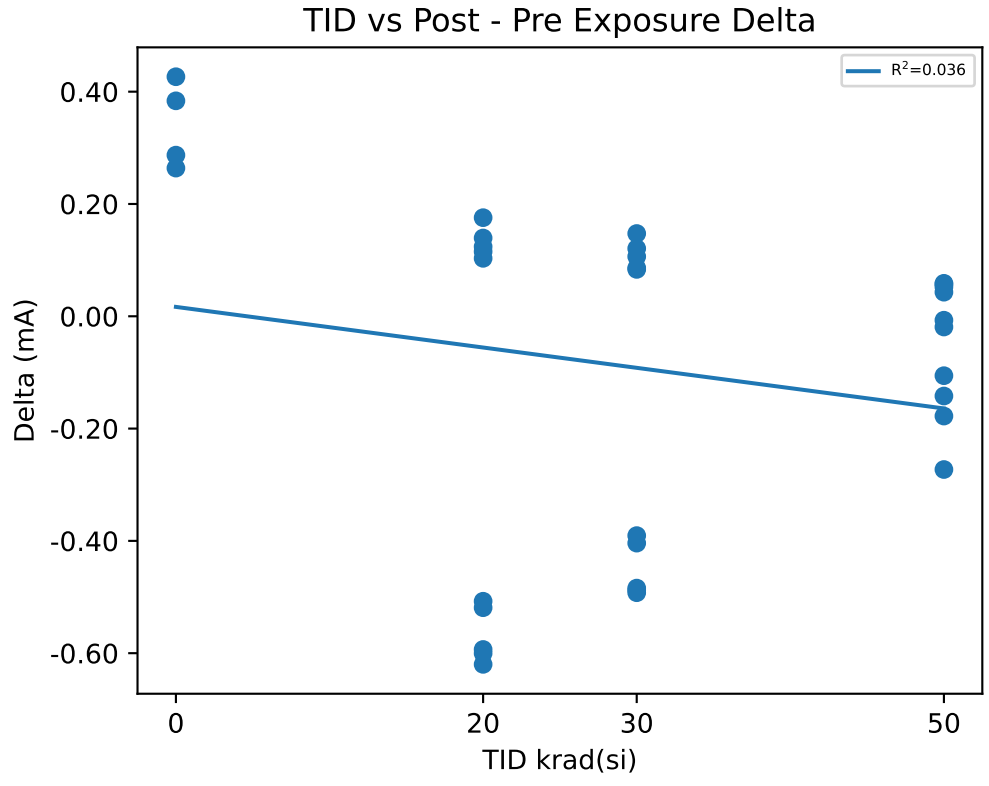
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
41	0	CORRELATION	3.7646	3.7365	-0.0281
42	0	CORRELATION	3.9186	3.8868	-0.0318
43	0	CORRELATION	3.7863	3.7584	-0.0279
45	0	CORRELATION	3.9278	3.8962	-0.0316
71	20	LDR BIAS	3.8623	3.877	0.0147
72	20	LDR BIAS	3.9516	3.9567	0.0051
73	20	LDR BIAS	3.9472	3.9779	0.0307
74	20	LDR BIAS	3.8549	3.855	0.0001
75	20	LDR BIAS	3.873	3.8696	-0.0034
76	20	LDR UNBIAS	3.7394	3.7529	0.0135
77	20	LDR UNBIAS	3.915	3.9388	0.0238
78	20	LDR UNBIAS	3.9674	3.991	0.0236
79	20	LDR UNBIAS	3.9613	3.9792	0.0179
80	20	LDR UNBIAS	3.8992	3.897	-0.0022
81	30	LDR BIAS	3.8623	3.8595	-0.0028
82	30	LDR BIAS	3.9516	3.951	-0.0006
83	30	LDR BIAS	3.9472	3.9541	0.0069
84	30	LDR BIAS	3.8549	3.8499	-0.005
85	30	LDR BIAS	3.873	3.8813	0.0083
86	30	LDR UNBIAS	3.7394	3.7353	-0.0041
87	30	LDR UNBIAS	3.915	3.9371	0.0221
88	30	LDR UNBIAS	3.9674	3.9885	0.0211
89	30	LDR UNBIAS	3.9613	3.9667	0.0054
90	30	LDR UNBIAS	3.8992	3.8948	-0.0044
91	50	LDR BIAS	3.8623	3.9017	0.0394
92	50	LDR BIAS	3.9516	3.9802	0.0286
93	50	LDR BIAS	3.9472	3.9989	0.0517
94	50	LDR BIAS	3.8549	3.8757	0.0208
95	50	LDR BIAS	3.873	3.9256	0.0526
96	50	LDR UNBIAS	3.7394	3.7436	0.0042
97	50	LDR UNBIAS	3.915	3.948	0.033
98	50	LDR UNBIAS	3.9674	4.0386	0.0712
99	50	LDR UNBIAS	3.9613	4.0015	0.0402
100	50	LDR UNBIAS	3.8992	3.9142	0.015

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	3.7646	3.8493	3.9278	0.085844	3.7365	3.8195	3.8962	0.083734	-0.0318	-0.02985	-0.0279	0.0021393
20	3.7394	3.8971	3.9674	0.069371	3.7529	3.9095	3.991	0.07421	-0.0034	0.01238	0.0307	0.011993
30	3.7394	3.8971	3.9674	0.069371	3.7353	3.9018	3.9885	0.075133	-0.005	0.00469	0.0221	0.010158
50	3.7394	3.8971	3.9674	0.069371	3.7436	3.9328	4.0386	0.083787	0.0042	0.03567	0.0712	0.019822

Device Test: 12.7 IOP|PWM/VIN/10/8///2MHz/@I_OP_LS_PWM_2MHZ





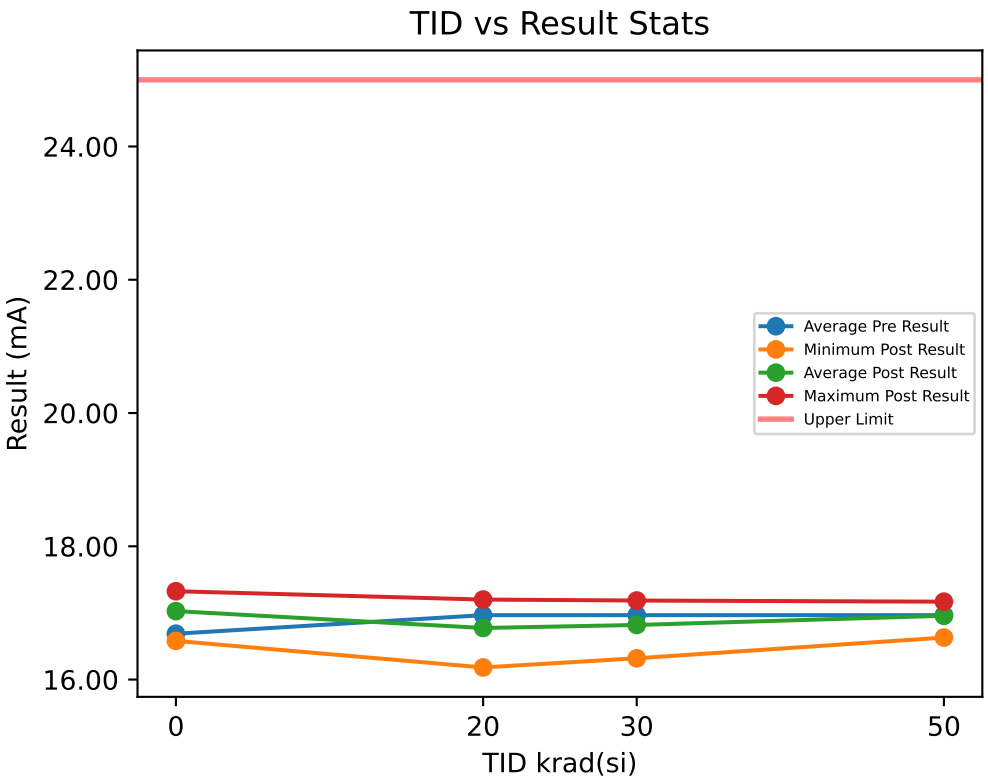
Test Results (Upper Limit = 25.0 (mA))

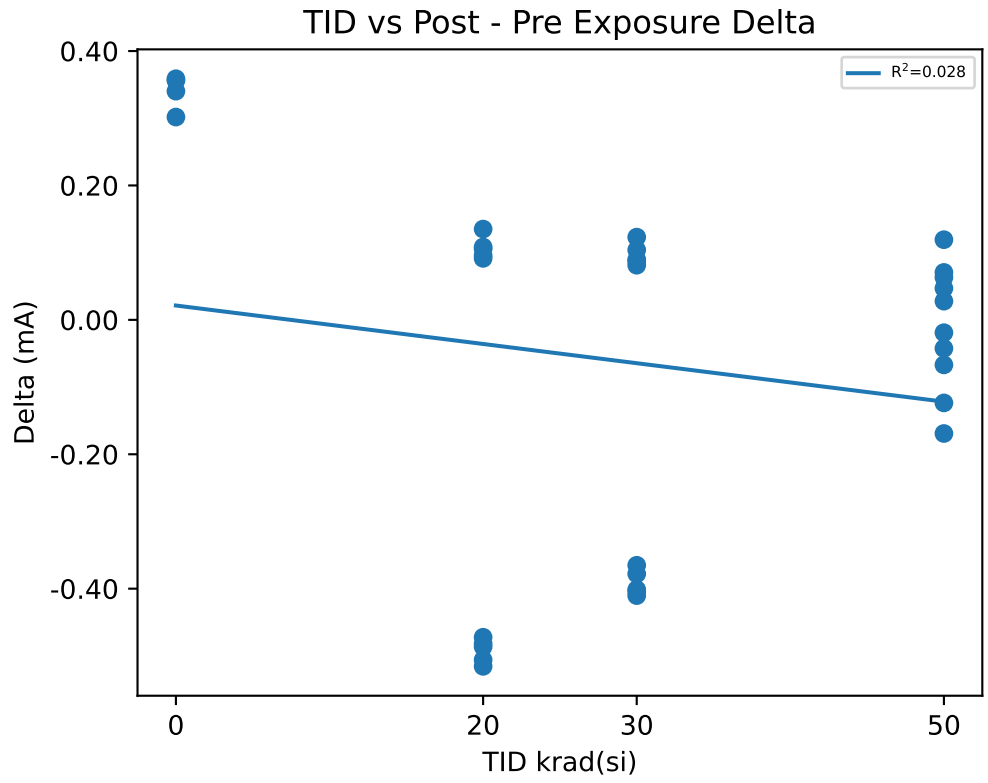
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
41	0	CORRELATION	20.836	21.262	0.4266
42	0	CORRELATION	20.52	20.808	0.287
43	0	CORRELATION	20.573	20.837	0.2639
45	0	CORRELATION	20.576	20.96	0.3837
71	20	LDR BIAS	21.136	20.617	-0.519
72	20	LDR BIAS	21.044	20.444	-0.6003
73	20	LDR BIAS	21.078	20.484	-0.5934
74	20	LDR BIAS	21.169	20.662	-0.5075
75	20	LDR BIAS	20.93	20.31	-0.6199
76	20	LDR UNBIAS	20.981	21.096	0.1153
77	20	LDR UNBIAS	20.782	20.885	0.1032
78	20	LDR UNBIAS	21.306	21.482	0.1756
79	20	LDR UNBIAS	21.091	21.215	0.124
80	20	LDR UNBIAS	21.131	21.271	0.1394
81	30	LDR BIAS	21.136	20.746	-0.3906
82	30	LDR BIAS	21.044	20.552	-0.4923
83	30	LDR BIAS	21.078	20.593	-0.4841
84	30	LDR BIAS	21.169	20.765	-0.404
85	30	LDR BIAS	20.93	20.442	-0.4877
86	30	LDR UNBIAS	20.981	21.087	0.1064
87	30	LDR UNBIAS	20.782	20.865	0.0835
88	30	LDR UNBIAS	21.306	21.427	0.1207
89	30	LDR UNBIAS	21.091	21.177	0.0861
90	30	LDR UNBIAS	21.131	21.279	0.1474
91	50	LDR BIAS	21.136	21.117	-0.0191
92	50	LDR BIAS	21.044	20.771	-0.2729
93	50	LDR BIAS	21.078	20.936	-0.142
94	50	LDR BIAS	21.169	21.063	-0.1058
95	50	LDR BIAS	20.93	20.752	-0.1777
96	50	LDR UNBIAS	20.981	20.974	-0.007
97	50	LDR UNBIAS	20.782	20.834	0.0525
98	50	LDR UNBIAS	21.306	21.349	0.0429
99	50	LDR UNBIAS	21.091	21.148	0.0572
100	50	LDR UNBIAS	21.131	21.19	0.0587

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	20.52	20.626	20.836	0.14197	20.808	20.967	21.262	0.20795	0.2639	0.3403	0.4266	0.077479
20	20.782	21.065	21.306	0.14343	20.31	20.847	21.482	0.40157	-0.6199	-0.21826	0.1756	0.37072
30	20.782	21.065	21.306	0.14343	20.442	20.893	21.427	0.33343	-0.4923	-0.17146	0.1474	0.29784
50	20.782	21.065	21.306	0.14343	20.752	21.014	21.349	0.1949	-0.2729	-0.05132	0.0587	0.11681

Device Test: 12.8 IOP|PWM/BOOT/10/8///2MHz/@I_OP_HS_PWM_2MHZ





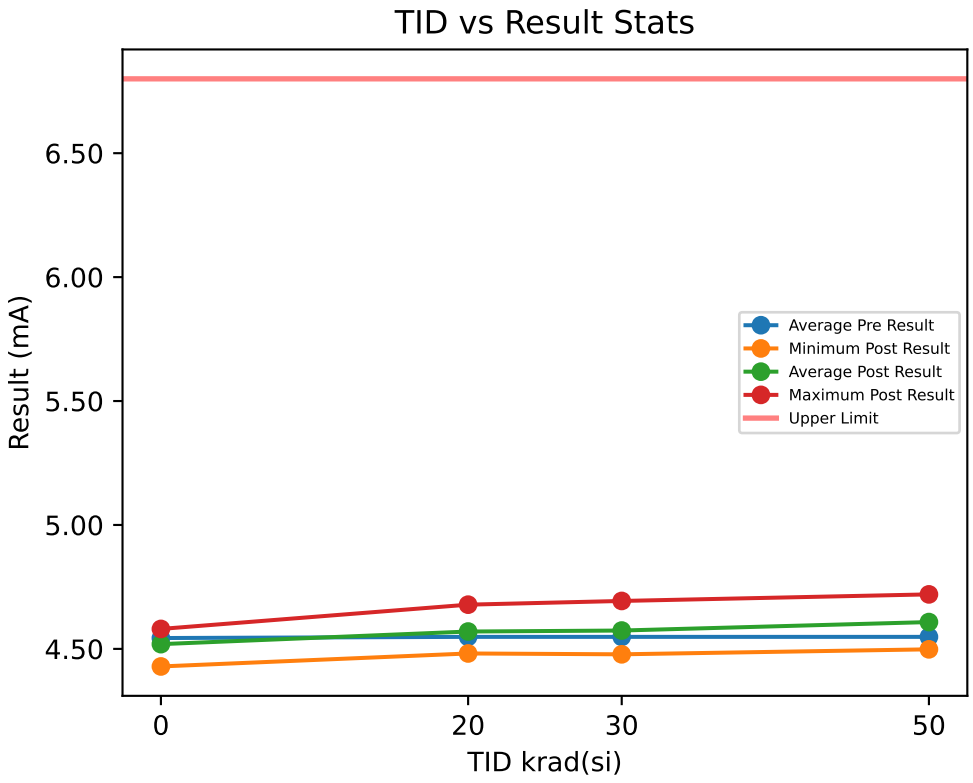
Test Results (Upper Limit = 25.0 (mA))

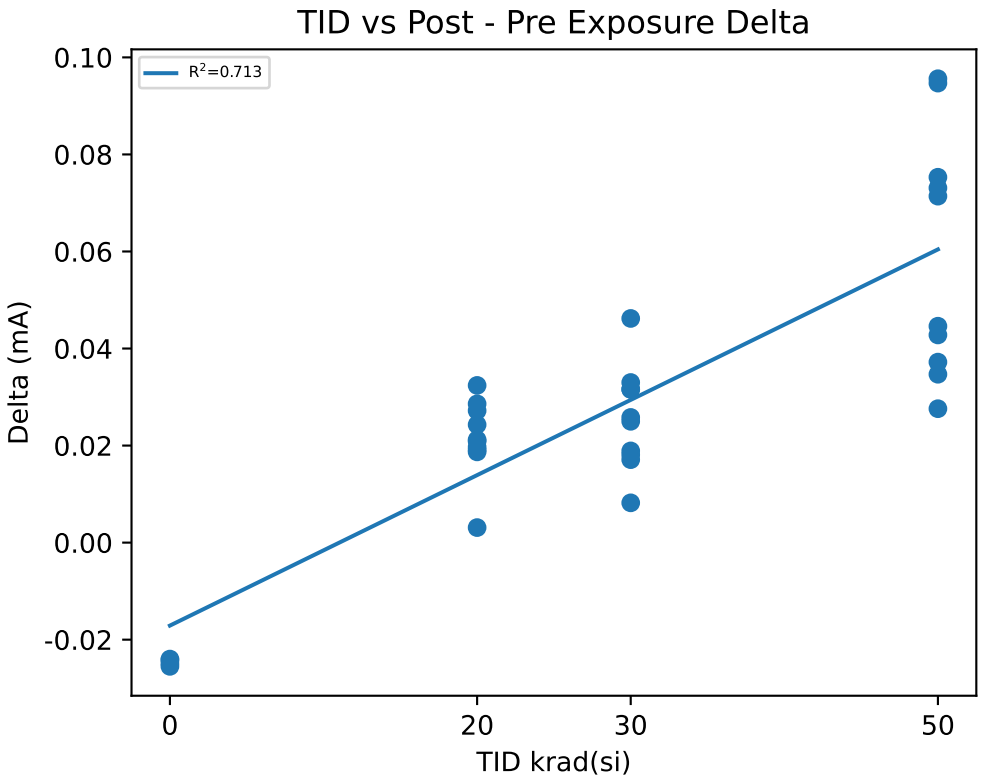
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
41	0	CORRELATION	16.278	16.58	0.3018
42	0	CORRELATION	16.967	17.326	0.3588
43	0	CORRELATION	16.872	17.228	0.3561
45	0	CORRELATION	16.635	16.975	0.3403
71	20	LDR BIAS	17.163	16.677	-0.4865
72	20	LDR BIAS	16.697	16.182	-0.5156
73	20	LDR BIAS	17.101	16.619	-0.4818
74	20	LDR BIAS	16.904	16.398	-0.5059
75	20	LDR BIAS	17.024	16.552	-0.4723
76	20	LDR UNBIAS	16.906	17.011	0.1055
77	20	LDR UNBIAS	16.742	16.851	0.1084
78	20	LDR UNBIAS	17.049	17.185	0.1351
79	20	LDR UNBIAS	17.105	17.201	0.0959
80	20	LDR UNBIAS	16.975	17.066	0.0915
81	30	LDR BIAS	17.163	16.753	-0.4103
82	30	LDR BIAS	16.697	16.319	-0.3779
83	30	LDR BIAS	17.101	16.7	-0.4013
84	30	LDR BIAS	16.904	16.499	-0.4045
85	30	LDR BIAS	17.024	16.659	-0.3652
86	30	LDR UNBIAS	16.906	16.996	0.0899
87	30	LDR UNBIAS	16.742	16.846	0.1041
88	30	LDR UNBIAS	17.049	17.173	0.1231
89	30	LDR UNBIAS	17.105	17.186	0.0813
90	30	LDR UNBIAS	16.975	17.062	0.0873
91	50	LDR BIAS	17.163	17.04	-0.1236
92	50	LDR BIAS	16.697	16.63	-0.067
93	50	LDR BIAS	17.101	17.082	-0.0191
94	50	LDR BIAS	16.904	16.735	-0.1691
95	50	LDR BIAS	17.024	16.981	-0.0425
96	50	LDR UNBIAS	16.906	16.934	0.0278
97	50	LDR UNBIAS	16.742	16.813	0.0706
98	50	LDR UNBIAS	17.049	17.169	0.1193
99	50	LDR UNBIAS	17.105	17.168	0.0632
100	50	LDR UNBIAS	16.975	17.022	0.047

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	16.278	16.688	16.967	0.30662	16.58	17.027	17.326	0.33255	0.3018	0.33925	0.3588	0.026266
20	16.697	16.967	17.163	0.15513	16.182	16.774	17.201	0.34538	-0.5156	-0.19257	0.1351	0.3165
30	16.697	16.967	17.163	0.15513	16.319	16.819	17.186	0.28812	-0.4103	-0.14735	0.1231	0.25828
50	16.697	16.967	17.163	0.15513	16.63	16.957	17.169	0.18079	-0.1691	-0.00934	0.1193	0.091804

Device Test: 12.9 IQ|PWM/VIN/12/10///0MHz/@IQ_LS_PWM





Test Results (Upper Limit = 6.8 (mA))

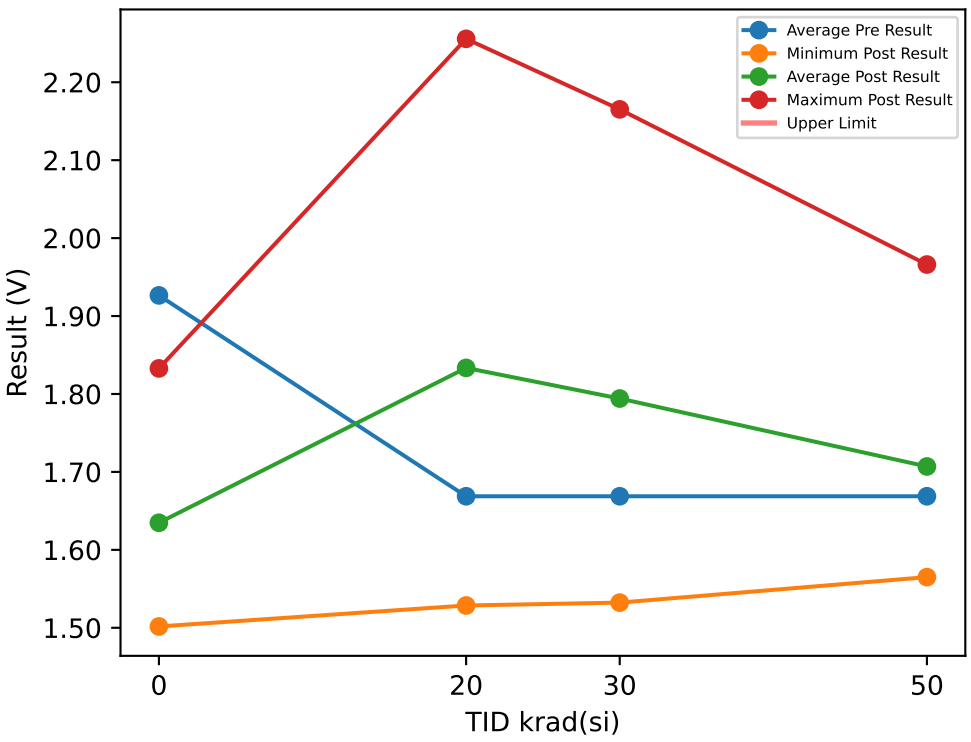
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
41	0	CORRELATION	4.606	4.5805	-0.0255
42	0	CORRELATION	4.4531	4.4291	-0.024
43	0	CORRELATION	4.59	4.5651	-0.0249
45	0	CORRELATION	4.5261	4.5019	-0.0242
71	20	LDR BIAS	4.4729	4.4926	0.0197
72	20	LDR BIAS	4.6075	4.6262	0.0187
73	20	LDR BIAS	4.461	4.4934	0.0324
74	20	LDR BIAS	4.6	4.6286	0.0286
75	20	LDR BIAS	4.5212	4.5455	0.0243
76	20	LDR UNBIAS	4.5002	4.5193	0.0191
77	20	LDR UNBIAS	4.4543	4.4815	0.0272
78	20	LDR UNBIAS	4.6065	4.6274	0.0209
79	20	LDR UNBIAS	4.6753	4.6784	0.0031
80	20	LDR UNBIAS	4.5859	4.6071	0.0212
81	30	LDR BIAS	4.4729	4.5045	0.0316
82	30	LDR BIAS	4.6075	4.6325	0.025
83	30	LDR BIAS	4.461	4.4781	0.0171
84	30	LDR BIAS	4.6	4.6189	0.0189
85	30	LDR BIAS	4.5212	4.5542	0.033
86	30	LDR UNBIAS	4.5002	4.5084	0.0082
87	30	LDR UNBIAS	4.4543	4.4859	0.0316
88	30	LDR UNBIAS	4.6065	4.6323	0.0258
89	30	LDR UNBIAS	4.6753	4.6934	0.0181
90	30	LDR UNBIAS	4.5859	4.6321	0.0462
91	50	LDR BIAS	4.4729	4.5482	0.0753
92	50	LDR BIAS	4.6075	4.6422	0.0347
93	50	LDR BIAS	4.461	4.4982	0.0372
94	50	LDR BIAS	4.6	4.6428	0.0428
95	50	LDR BIAS	4.5212	4.6159	0.0947
96	50	LDR UNBIAS	4.5002	4.5278	0.0276
97	50	LDR UNBIAS	4.4543	4.5274	0.0731
98	50	LDR UNBIAS	4.6065	4.6779	0.0714
99	50	LDR UNBIAS	4.6753	4.7199	0.0446
100	50	LDR UNBIAS	4.5859	4.6815	0.0956

Test Statistics (mA)

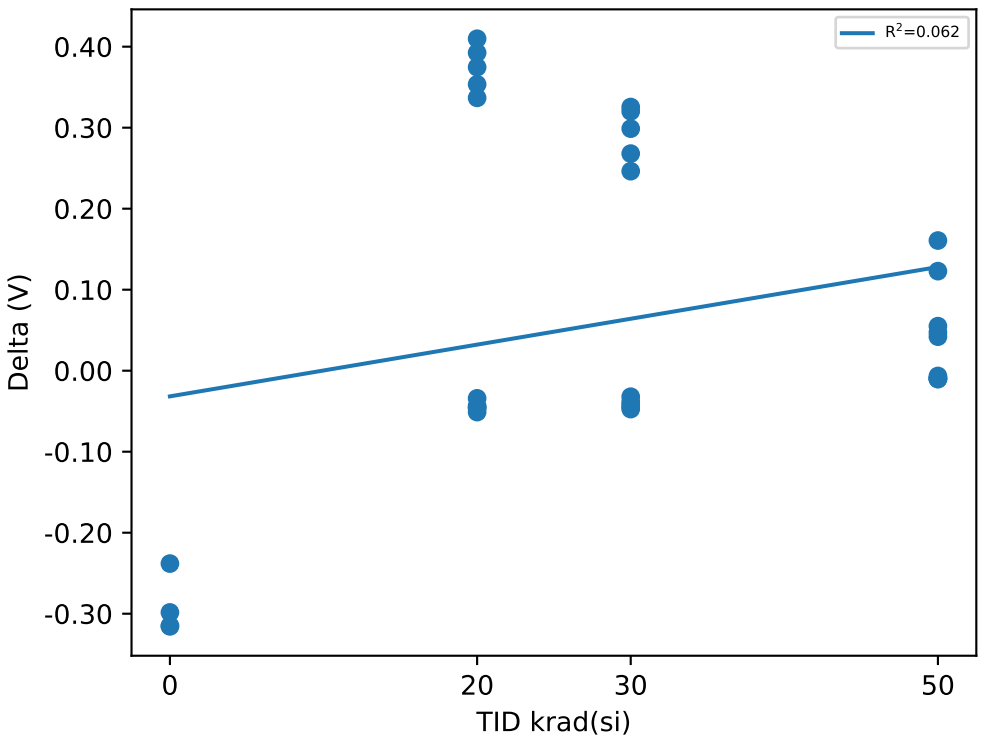
krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	4.4531	4.5438	4.606	0.069625	4.4291	4.5191	4.5805	0.068997	-0.0255	-0.02465	-0.024	0.00068557
20	4.4543	4.5485	4.6753	0.076229	4.4815	4.57	4.6784	0.071395	0.0031	0.02152	0.0324	0.007926
30	4.4543	4.5485	4.6753	0.076229	4.4781	4.574	4.6934	0.076705	0.0082	0.02555	0.0462	0.010686
50	4.4543	4.5485	4.6753	0.076229	4.4982	4.6082	4.7199	0.077326	0.0276	0.0597	0.0956	0.025274

Device Test: 14.11 GAN|3Q/HVIN///0p5A///@HS_VSD_0p5A

TID vs Result Stats



TID vs Post - Pre Exposure Delta



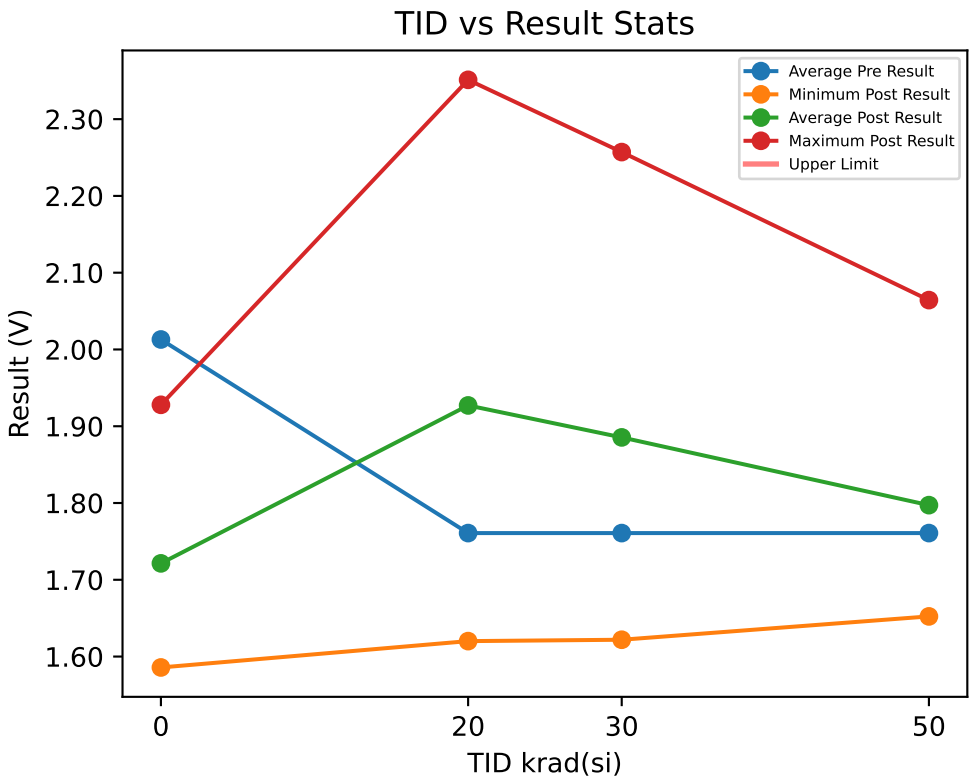
Test Results (No Limits Specified (V))

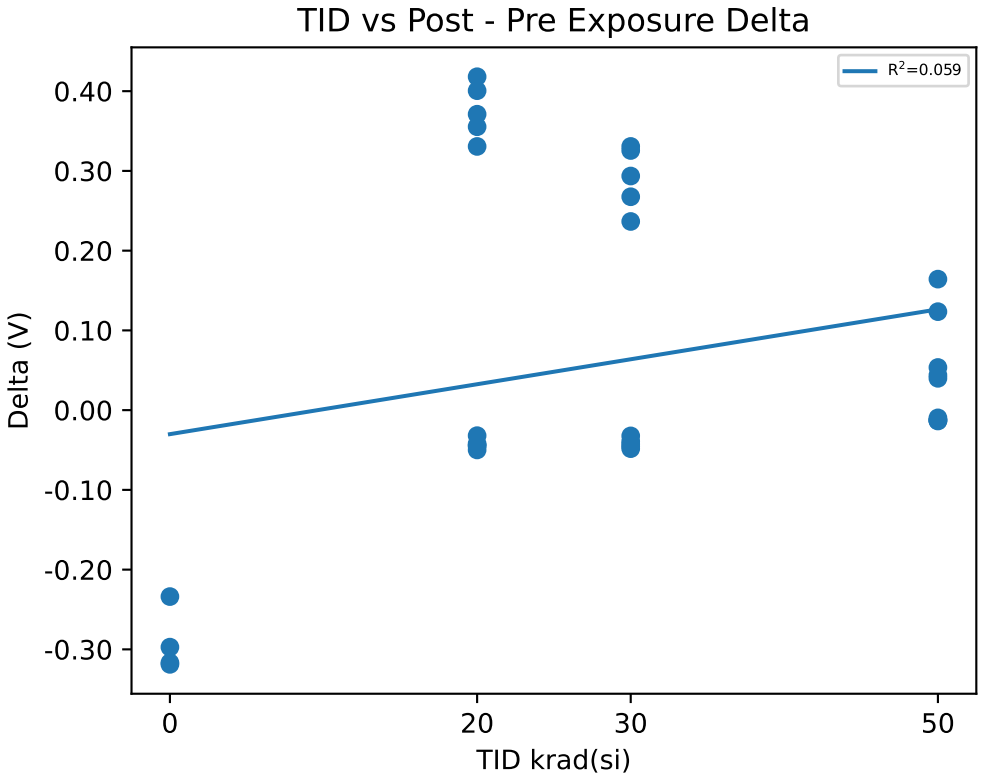
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
41	0	CORRELATION	2.0709	1.8328	-0.2381
42	0	CORRELATION	1.8166	1.5017	-0.3149
43	0	CORRELATION	1.8637	1.5481	-0.3156
45	0	CORRELATION	1.9548	1.6564	-0.2984
71	20	LDR BIAS	1.4881	1.8979	0.4098
72	20	LDR BIAS	1.9189	2.2557	0.3368
73	20	LDR BIAS	1.7331	2.1078	0.3747
74	20	LDR BIAS	1.7376	2.1301	0.3925
75	20	LDR BIAS	1.5774	1.9309	0.3535
76	20	LDR UNBIAS	1.5825	1.5365	-0.046
77	20	LDR UNBIAS	1.8556	1.8215	-0.0341
78	20	LDR UNBIAS	1.5743	1.5286	-0.0457
79	20	LDR UNBIAS	1.588	1.5369	-0.0511
80	20	LDR UNBIAS	1.632	1.5886	-0.0434
81	30	LDR BIAS	1.4881	1.8136	0.3255
82	30	LDR BIAS	1.9189	2.1652	0.2463
83	30	LDR BIAS	1.7331	2.0319	0.2988
84	30	LDR BIAS	1.7376	2.0578	0.3202
85	30	LDR BIAS	1.5774	1.8454	0.268
86	30	LDR UNBIAS	1.5825	1.5377	-0.0448
87	30	LDR UNBIAS	1.8556	1.8235	-0.0321
88	30	LDR UNBIAS	1.5743	1.5323	-0.042
89	30	LDR UNBIAS	1.588	1.5406	-0.0474
90	30	LDR UNBIAS	1.632	1.5937	-0.0383
91	50	LDR BIAS	1.4881	1.611	0.1229
92	50	LDR BIAS	1.9189	1.9661	0.0472
93	50	LDR BIAS	1.7331	1.7751	0.042
94	50	LDR BIAS	1.7376	1.8983	0.1607
95	50	LDR BIAS	1.5774	1.6324	0.055
96	50	LDR UNBIAS	1.5825	1.5732	-0.0093
97	50	LDR UNBIAS	1.8556	1.8455	-0.0101
98	50	LDR UNBIAS	1.5743	1.565	-0.0093
99	50	LDR UNBIAS	1.588	1.5776	-0.0104
100	50	LDR UNBIAS	1.632	1.6255	-0.0065

Test Statistics (V)

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	1.8166	1.9265	2.0709	0.11206	1.5017	1.6347	1.8328	0.14709	-0.3156	-0.29175	-0.2381	0.036639
20	1.4881	1.6687	1.9189	0.13807	1.5286	1.8334	2.2557	0.27575	-0.0511	0.1647	0.4098	0.22096
30	1.4881	1.6687	1.9189	0.13807	1.5323	1.7942	2.1652	0.2372	-0.0474	0.12542	0.3255	0.17684
50	1.4881	1.6687	1.9189	0.13807	1.565	1.707	1.9661	0.15047	-0.0104	0.03822	0.1607	0.061249

Device Test: 14.13 GAN|3Q/HVIN///1A///@HS_VSD_1p0A





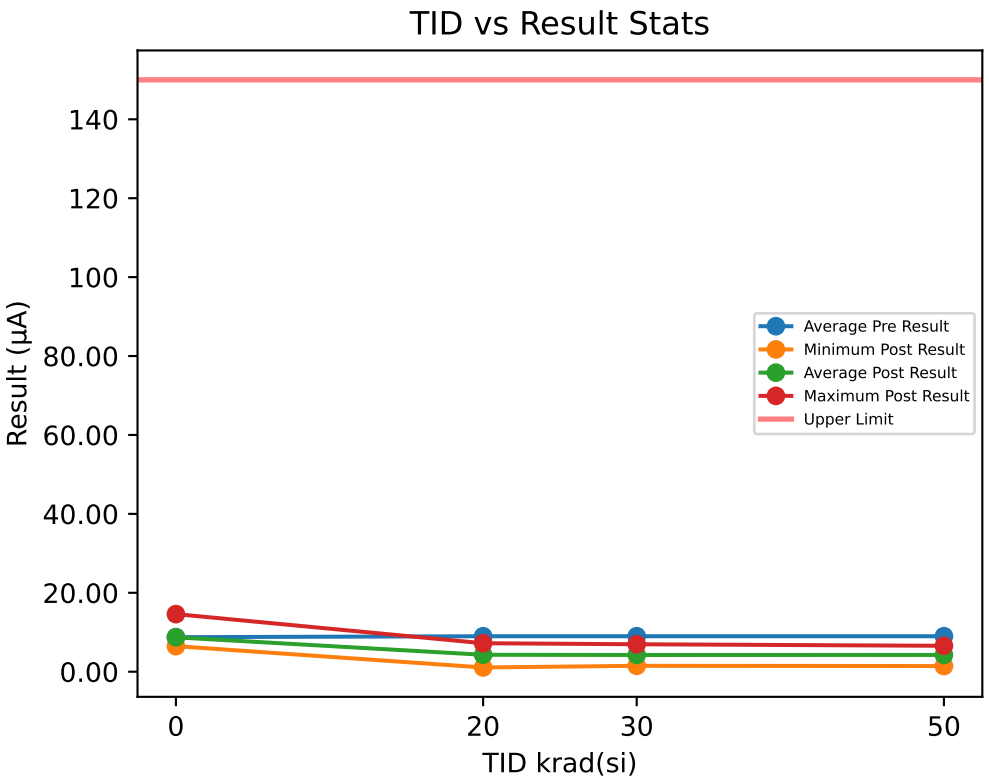
Test Results (No Limits Specified (V))

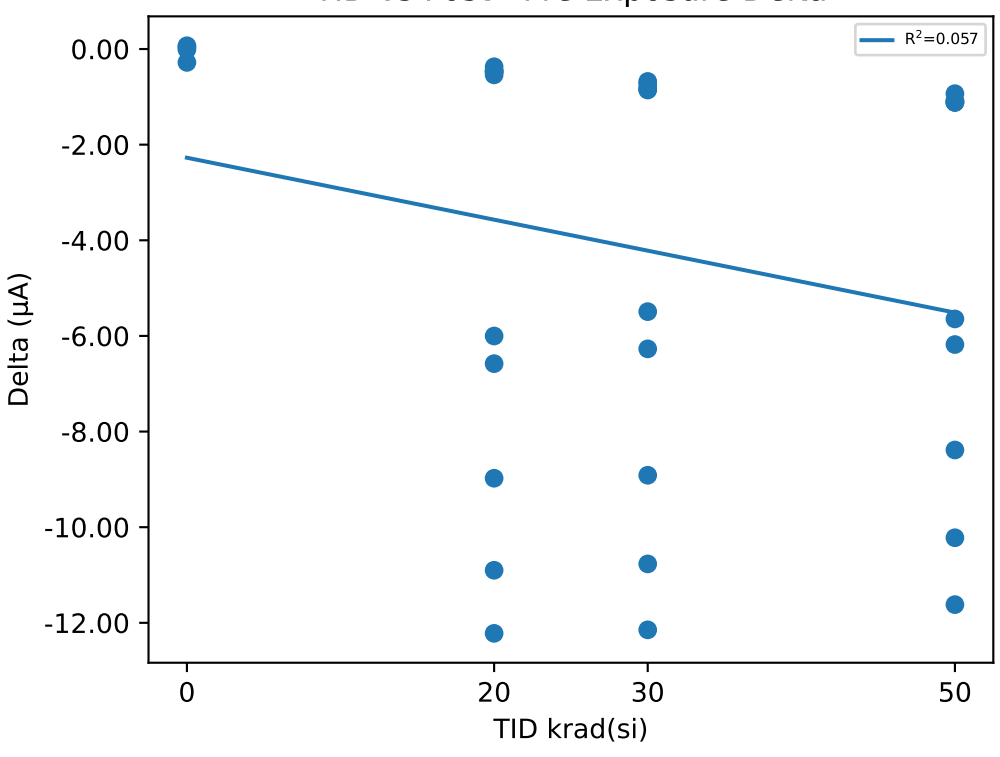
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
41	0	CORRELATION	2.1617	1.9279	-0.2338
42	0	CORRELATION	1.9046	1.5858	-0.3188
43	0	CORRELATION	1.9449	1.6282	-0.3167
45	0	CORRELATION	2.0408	1.7436	-0.2972
71	20	LDR BIAS	1.5699	1.988	0.4181
72	20	LDR BIAS	2.0205	2.3512	0.3307
73	20	LDR BIAS	1.8285	2.1996	0.3711
74	20	LDR BIAS	1.832	2.2326	0.4006
75	20	LDR BIAS	1.6652	2.0206	0.3554
76	20	LDR UNBIAS	1.6728	1.628	-0.0448
77	20	LDR UNBIAS	1.9567	1.9247	-0.032
78	20	LDR UNBIAS	1.6645	1.6201	-0.0444
79	20	LDR UNBIAS	1.6756	1.6257	-0.0499
80	20	LDR UNBIAS	1.7226	1.6805	-0.0421
81	30	LDR BIAS	1.5699	1.9006	0.3307
82	30	LDR BIAS	2.0205	2.2571	0.2366
83	30	LDR BIAS	1.8285	2.1221	0.2936
84	30	LDR BIAS	1.832	2.1576	0.3256
85	30	LDR BIAS	1.6652	1.9328	0.2676
86	30	LDR UNBIAS	1.6728	1.6273	-0.0455
87	30	LDR UNBIAS	1.9567	1.9244	-0.0323
88	30	LDR UNBIAS	1.6645	1.6219	-0.0426
89	30	LDR UNBIAS	1.6756	1.6273	-0.0483
90	30	LDR UNBIAS	1.7226	1.6835	-0.0391
91	50	LDR BIAS	1.5699	1.6934	0.1235
92	50	LDR BIAS	2.0205	2.0643	0.0438
93	50	LDR BIAS	1.8285	1.8684	0.0399
94	50	LDR BIAS	1.832	1.9963	0.1643
95	50	LDR BIAS	1.6652	1.7187	0.0535
96	50	LDR UNBIAS	1.6728	1.6604	-0.0124
97	50	LDR UNBIAS	1.9567	1.9431	-0.0136
98	50	LDR UNBIAS	1.6645	1.6523	-0.0122
99	50	LDR UNBIAS	1.6756	1.6624	-0.0132
100	50	LDR UNBIAS	1.7226	1.7129	-0.0097

Test Statistics (V)

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	1.9046	2.013	2.1617	0.11442	1.5858	1.7214	1.9279	0.15298	-0.3188	-0.29163	-0.2338	0.039758
20	1.5699	1.7608	2.0205	0.14406	1.6201	1.9271	2.3512	0.27794	-0.0499	0.16627	0.4181	0.22148
30	1.5699	1.7608	2.0205	0.14406	1.6219	1.8855	2.2571	0.23938	-0.0483	0.12463	0.3307	0.17721
50	1.5699	1.7608	2.0205	0.14406	1.6523	1.7972	2.0643	0.15609	-0.0136	0.03639	0.1643	0.063362

Device Test: 14.20 GAN|HVLEAK/SW_LS////150V//@LS_IDSS_25C





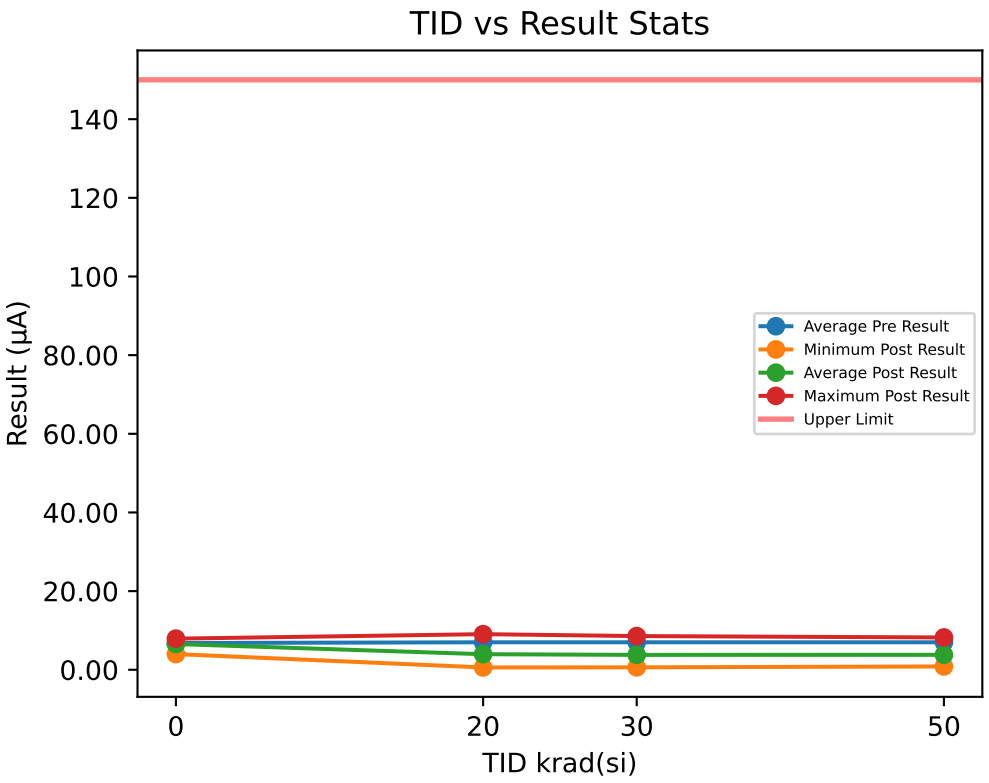
Test Results (Upper Limit = 150.0 (µA))

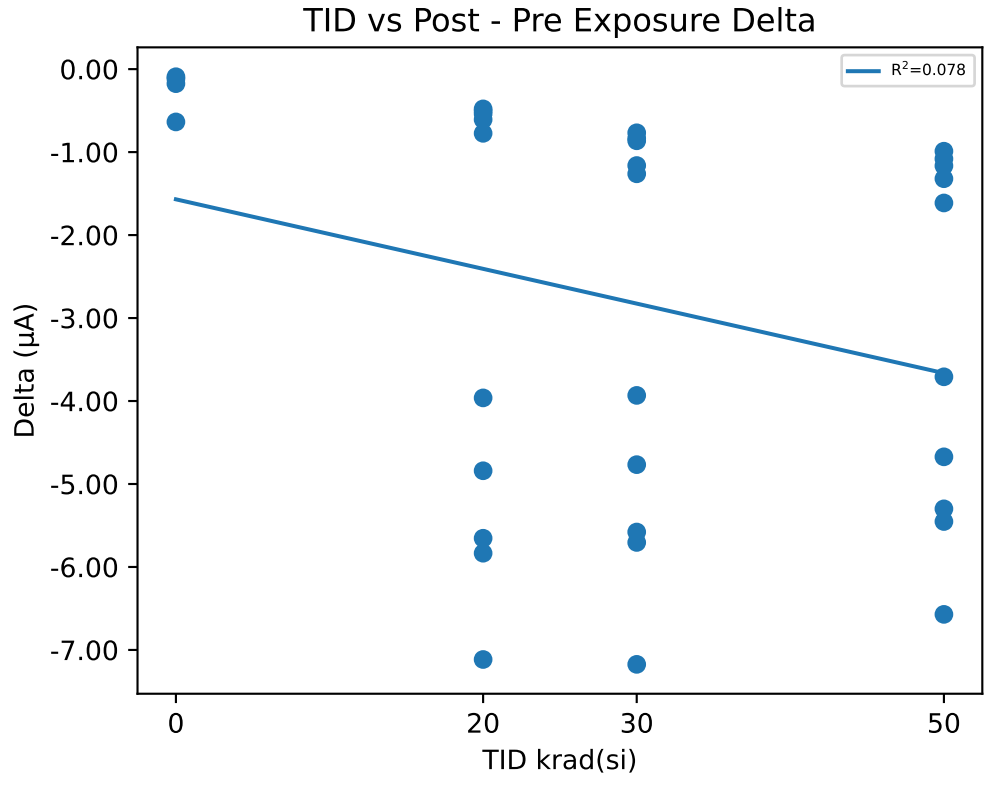
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
41	0	CORRELATION	14.878	14.598	-0.2797
42	0	CORRELATION	6.7889	6.8577	0.0688
43	0	CORRELATION	6.8612	6.9028	0.0416
45	0	CORRELATION	6.4902	6.4807	-0.0095
71	20	LDR BIAS	13.118	2.2171	-10.901
72	20	LDR BIAS	7.0811	1.0794	-6.0017
73	20	LDR BIAS	14.427	2.2063	-12.22
74	20	LDR BIAS	10.692	1.7155	-8.9764
75	20	LDR BIAS	7.7655	1.1857	-6.5798
76	20	LDR UNBIAS	7.465	7.002	-0.463
77	20	LDR UNBIAS	7.3998	6.8596	-0.5402
78	20	LDR UNBIAS	6.694	6.323	-0.371
79	20	LDR UNBIAS	7.6847	7.2181	-0.4666
80	20	LDR UNBIAS	7.59	7.1217	-0.4683
81	30	LDR BIAS	13.118	2.35	-10.768
82	30	LDR BIAS	7.0811	1.5892	-5.4919
83	30	LDR BIAS	14.427	2.2796	-12.147
84	30	LDR BIAS	10.692	1.778	-8.9139
85	30	LDR BIAS	7.7655	1.4951	-6.2704
86	30	LDR UNBIAS	7.465	6.6077	-0.8573
87	30	LDR UNBIAS	7.3998	6.56	-0.8398
88	30	LDR UNBIAS	6.694	6.0164	-0.6776
89	30	LDR UNBIAS	7.6847	6.9578	-0.7269
90	30	LDR UNBIAS	7.59	6.7726	-0.8174
91	50	LDR BIAS	13.118	2.8971	-10.221
92	50	LDR BIAS	7.0811	1.4362	-5.6449
93	50	LDR BIAS	14.427	2.8074	-11.619
94	50	LDR BIAS	10.692	2.3064	-8.3855
95	50	LDR BIAS	7.7655	1.5854	-6.1801
96	50	LDR UNBIAS	7.465	6.3568	-1.1082
97	50	LDR UNBIAS	7.3998	6.2834	-1.1164
98	50	LDR UNBIAS	6.694	5.7609	-0.9331
99	50	LDR UNBIAS	7.6847	6.5696	-1.1151
100	50	LDR UNBIAS	7.59	6.5119	-1.0781

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	6.4902	8.7545	14.878	4.0853	6.4807	8.7098	14.598	3.9301	-0.2797	-0.0447	0.0688	0.15999
20	6.694	8.9916	14.427	2.7573	1.0794	4.2928	7.2181	2.7868	-12.22	-4.6988	-0.371	4.8114
30	6.694	8.9916	14.427	2.7573	1.4951	4.2406	6.9578	2.494	-12.147	-4.751	-0.6776	4.5924
50	6.694	8.9916	14.427	2.7573	1.4362	4.2515	6.5696	2.2126	-11.619	-4.7401	-0.9331	4.2283

Device Test: 14.27 GAN|HVLEAK/HVIN////150V//@HS_IDSS_25C





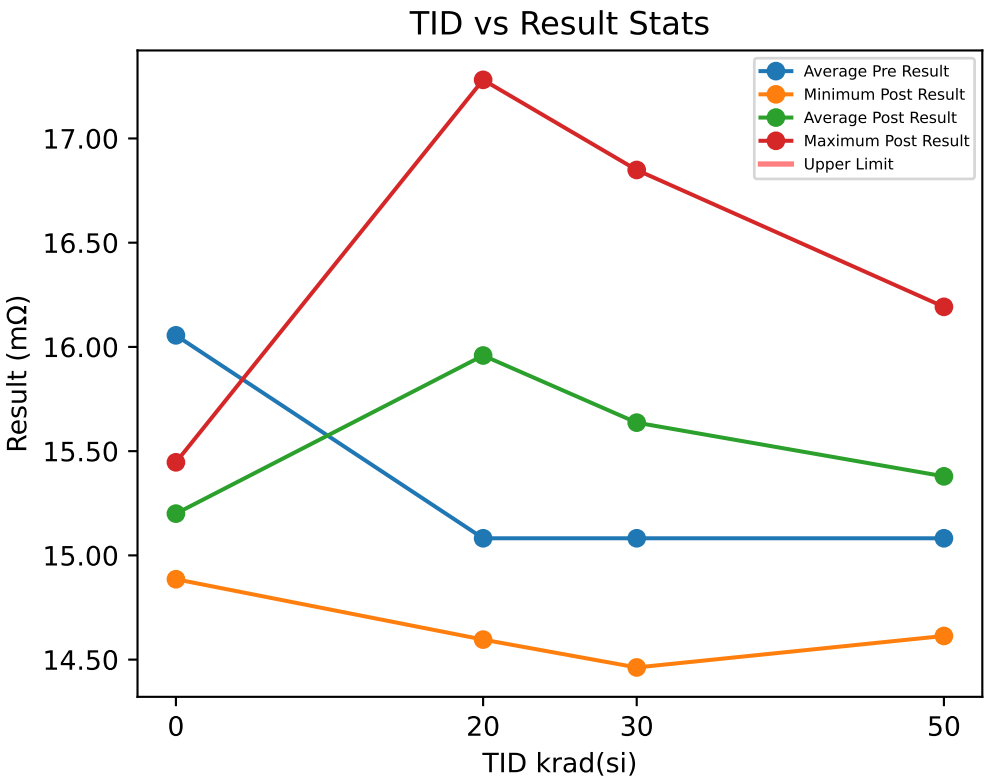
Test Results (Upper Limit = 150.0 (µA))

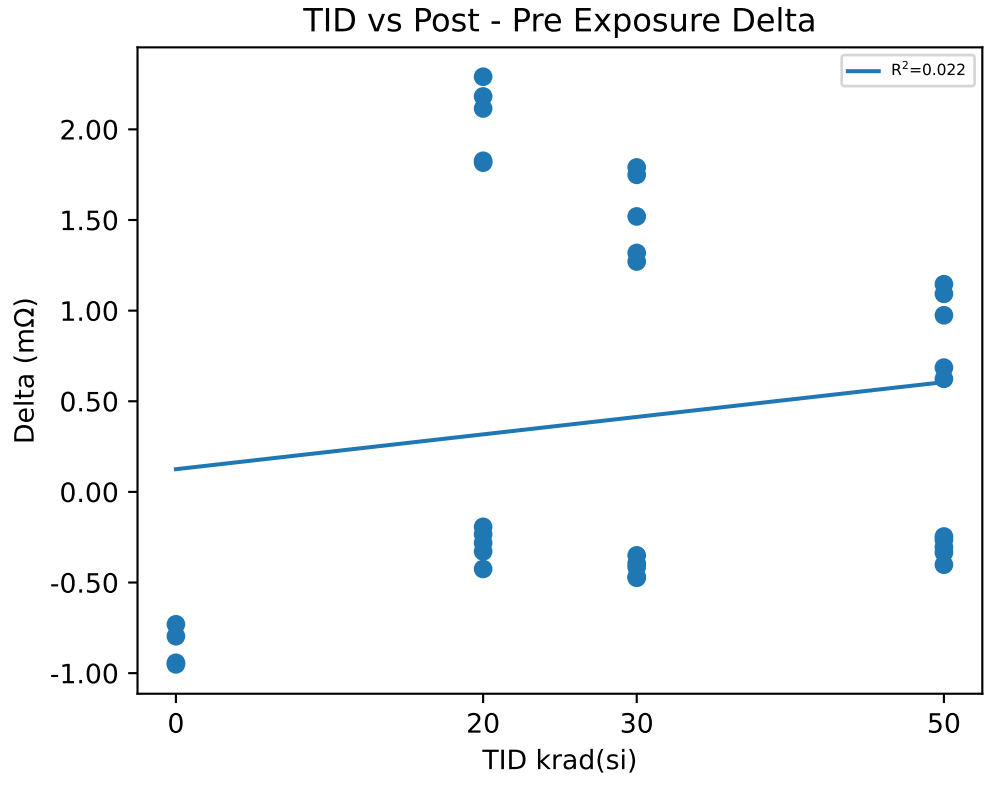
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
41	0	CORRELATION	8.0294	7.9142	-0.1152
42	0	CORRELATION	7.0099	6.3736	-0.6363
43	0	CORRELATION	4.1676	3.9924	-0.1752
45	0	CORRELATION	7.9886	7.8969	-0.0917
71	20	LDR BIAS	4.5506	0.5883	-3.9623
72	20	LDR BIAS	6.7245	0.8903	-5.8342
73	20	LDR BIAS	8.0965	0.9814	-7.1151
74	20	LDR BIAS	5.699	0.8585	-4.8405
75	20	LDR BIAS	6.5288	0.875	-5.6538
76	20	LDR UNBIAS	7.1827	6.6443	-0.5384
77	20	LDR UNBIAS	8.0759	7.468	-0.6079
78	20	LDR UNBIAS	6.7261	6.2217	-0.5044
79	20	LDR UNBIAS	6.4767	5.9975	-0.4792
80	20	LDR UNBIAS	9.8298	9.056	-0.7738
81	30	LDR BIAS	4.5506	0.6184	-3.9322
82	30	LDR BIAS	6.7245	1.0202	-5.7043
83	30	LDR BIAS	8.0965	0.9228	-7.1737
84	30	LDR BIAS	5.699	0.9322	-4.7668
85	30	LDR BIAS	6.5288	0.95	-5.5788
86	30	LDR UNBIAS	7.1827	6.349	-0.8337
87	30	LDR UNBIAS	8.0759	6.9141	-1.1618
88	30	LDR UNBIAS	6.7261	5.9589	-0.7672
89	30	LDR UNBIAS	6.4767	5.6132	-0.8635
90	30	LDR UNBIAS	9.8298	8.5683	-1.2615
91	50	LDR BIAS	4.5506	0.8425	-3.7081
92	50	LDR BIAS	6.7245	1.2724	-5.4521
93	50	LDR BIAS	8.0965	1.5252	-6.5713
94	50	LDR BIAS	5.699	1.0264	-4.6726
95	50	LDR BIAS	6.5288	1.2293	-5.2995
96	50	LDR UNBIAS	7.1827	6.0176	-1.1651
97	50	LDR UNBIAS	8.0759	6.7552	-1.3207
98	50	LDR UNBIAS	6.7261	5.645	-1.0811
99	50	LDR UNBIAS	6.4767	5.4875	-0.9892
100	50	LDR UNBIAS	9.8298	8.2168	-1.613

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	4.1676	6.7989	8.0294	1.8164	3.9924	6.5443	7.9142	1.8482	-0.6363	-0.2546	-0.0917	0.25688
20	4.5506	6.9891	9.8298	1.4429	0.5883	3.9581	9.056	3.3919	-7.1151	-3.031	-0.4792	2.7005
30	4.5506	6.9891	9.8298	1.4429	0.6184	3.7847	8.5683	3.1509	-7.1737	-3.2044	-0.7672	2.4855
50	4.5506	6.9891	9.8298	1.4429	0.8425	3.8018	8.2168	2.8679	-6.5713	-3.1873	-0.9892	2.1817

Device Test: 14.3 GAN|RDSON/SW_LS/12/10////@LS_RDSON_25C





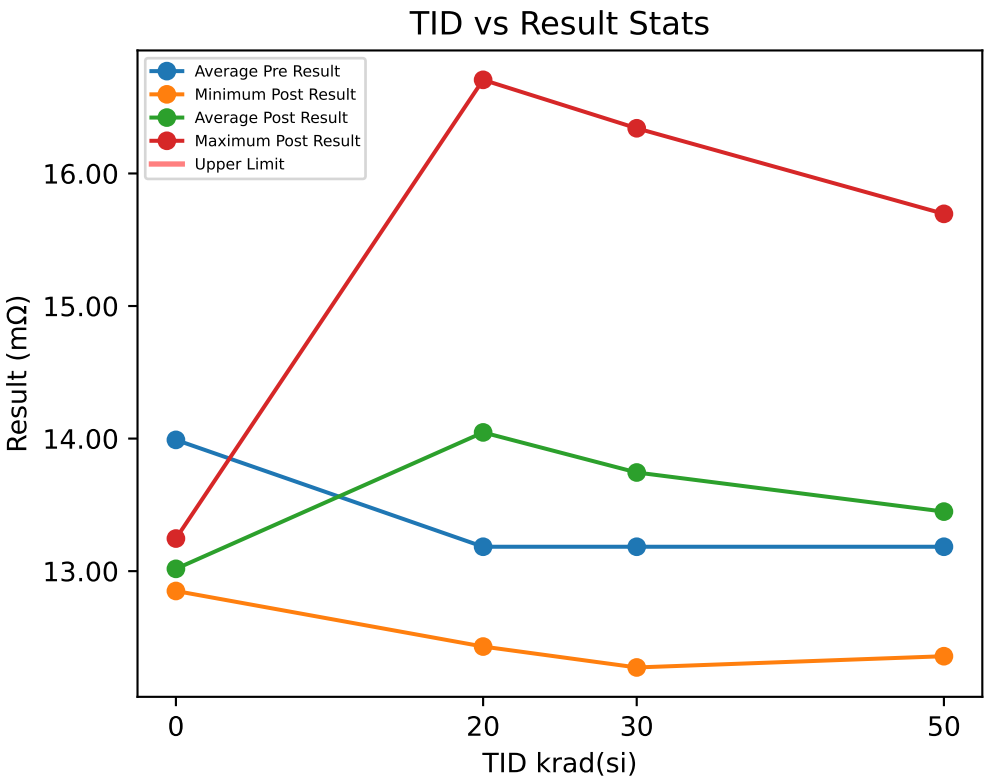
Test Results (No Limits Specified (mΩ))

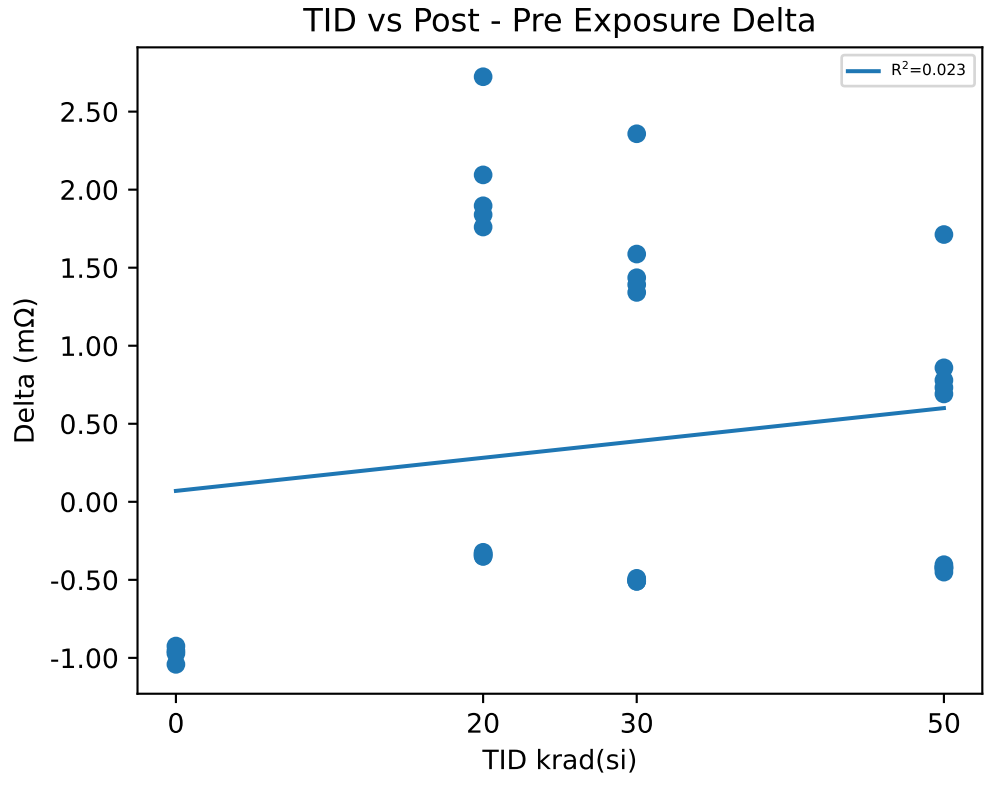
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
41	0	CORRELATION	15.999	15.056	-0.9428
42	0	CORRELATION	16.209	15.413	-0.7961
43	0	CORRELATION	16.177	15.447	-0.7305
45	0	CORRELATION	15.837	14.886	-0.9515
71	20	LDR BIAS	15.059	16.886	1.8268
72	20	LDR BIAS	15.1	17.281	2.1817
73	20	LDR BIAS	14.876	16.991	2.1152
74	20	LDR BIAS	15.284	17.1	1.8164
75	20	LDR BIAS	14.82	17.11	2.2904
76	20	LDR UNBIAS	15.48	15.055	-0.4253
77	20	LDR UNBIAS	15.121	14.887	-0.2344
78	20	LDR UNBIAS	14.877	14.596	-0.2813
79	20	LDR UNBIAS	15.127	14.934	-0.1929
80	20	LDR UNBIAS	15.076	14.748	-0.3285
81	30	LDR BIAS	15.059	16.33	1.271
82	30	LDR BIAS	15.1	16.849	1.7493
83	30	LDR BIAS	14.876	16.396	1.5197
84	30	LDR BIAS	15.284	16.602	1.3181
85	30	LDR BIAS	14.82	16.61	1.79
86	30	LDR UNBIAS	15.48	15.007	-0.4739
87	30	LDR UNBIAS	15.121	14.727	-0.3943
88	30	LDR UNBIAS	14.877	14.462	-0.4149
89	30	LDR UNBIAS	15.127	14.777	-0.3503
90	30	LDR UNBIAS	15.076	14.608	-0.4678
91	50	LDR BIAS	15.059	15.683	0.6237
92	50	LDR BIAS	15.1	16.192	1.0928
93	50	LDR BIAS	14.876	15.851	0.9745
94	50	LDR BIAS	15.284	15.969	0.6856
95	50	LDR BIAS	14.82	15.966	1.1458
96	50	LDR UNBIAS	15.48	15.079	-0.4017
97	50	LDR UNBIAS	15.121	14.786	-0.335
98	50	LDR UNBIAS	14.877	14.614	-0.2638
99	50	LDR UNBIAS	15.127	14.881	-0.2461
100	50	LDR UNBIAS	15.076	14.772	-0.3047

Test Statistics (mΩ)

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	15.837	16.056	16.209	0.17236	14.886	15.2	15.447	0.27413	-0.9515	-0.85522	-0.7305	0.10953
20	14.82	15.082	15.48	0.19914	14.596	15.959	17.281	1.1852	-0.4253	0.87681	2.2904	1.2422
30	14.82	15.082	15.48	0.19914	14.462	15.637	16.849	0.98914	-0.4739	0.55469	1.79	1.0405
50	14.82	15.082	15.48	0.19914	14.614	15.379	16.192	0.60677	-0.4017	0.29711	1.1458	0.66077

Device Test: 14.6 GAN|RDSON/HVIN/12/10////@HS_RDSON_25C





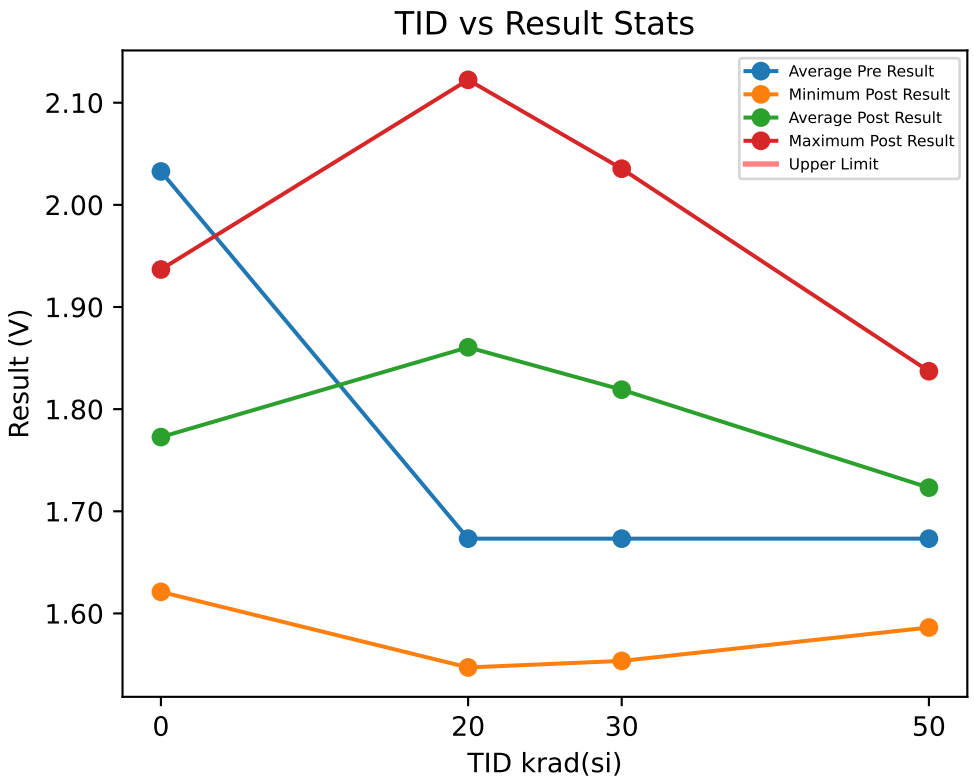
Test Results (No Limits Specified (mΩ))

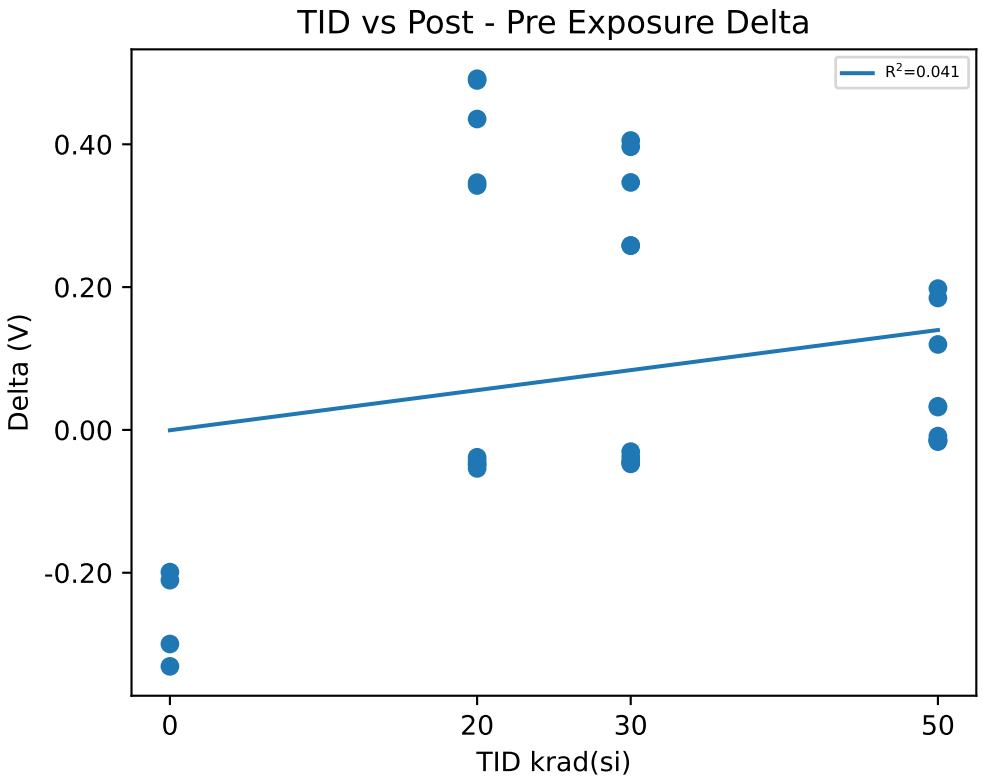
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
41	0	CORRELATION	14.17	13.246	-0.9242
42	0	CORRELATION	13.918	12.876	-1.0415
43	0	CORRELATION	14.052	13.097	-0.9545
45	0	CORRELATION	13.821	12.85	-0.9711
71	20	LDR BIAS	13.222	15.062	1.8393
72	20	LDR BIAS	13.703	15.798	2.0946
73	20	LDR BIAS	13.11	15.007	1.8967
74	20	LDR BIAS	13.983	16.706	2.7235
75	20	LDR BIAS	12.85	14.61	1.7606
76	20	LDR UNBIAS	12.778	12.431	-0.3469
77	20	LDR UNBIAS	13.367	13.03	-0.3367
78	20	LDR UNBIAS	12.883	12.551	-0.3325
79	20	LDR UNBIAS	12.856	12.532	-0.3235
80	20	LDR UNBIAS	13.088	12.738	-0.3501
81	30	LDR BIAS	13.222	14.614	1.3915
82	30	LDR BIAS	13.703	15.291	1.5874
83	30	LDR BIAS	13.11	14.546	1.4357
84	30	LDR BIAS	13.983	16.341	2.3581
85	30	LDR BIAS	12.85	14.191	1.3416
86	30	LDR UNBIAS	12.778	12.273	-0.5046
87	30	LDR UNBIAS	13.367	12.857	-0.5098
88	30	LDR UNBIAS	12.883	12.385	-0.4987
89	30	LDR UNBIAS	12.856	12.366	-0.4903
90	30	LDR UNBIAS	13.088	12.579	-0.5092
91	50	LDR BIAS	13.222	14.001	0.779
92	50	LDR BIAS	13.703	14.562	0.8585
93	50	LDR BIAS	13.11	13.801	0.6911
94	50	LDR BIAS	13.983	15.695	1.7125
95	50	LDR BIAS	12.85	13.582	0.732
96	50	LDR UNBIAS	12.778	12.358	-0.4198
97	50	LDR UNBIAS	13.367	12.916	-0.4506
98	50	LDR UNBIAS	12.883	12.481	-0.4029
99	50	LDR UNBIAS	12.856	12.428	-0.4279
100	50	LDR UNBIAS	13.088	12.667	-0.4211

Test Statistics (mΩ)

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	13.821	13.99	14.17	0.15263	12.85	13.017	13.246	0.18836	-1.0415	-0.97283	-0.9242	0.049731
20	12.778	13.184	13.983	0.39884	12.431	14.047	16.706	1.574	-0.3501	0.8625	2.7235	1.2917
30	12.778	13.184	13.983	0.39884	12.273	13.744	16.341	1.445	-0.5098	0.56017	2.3581	1.1548
50	12.778	13.184	13.983	0.39884	12.358	13.449	15.695	1.0953	-0.4506	0.26508	1.7125	0.78098

Device Test: 14.7 GAN|3Q/SW_LS///0p5A///@LS_VSD_0p5A





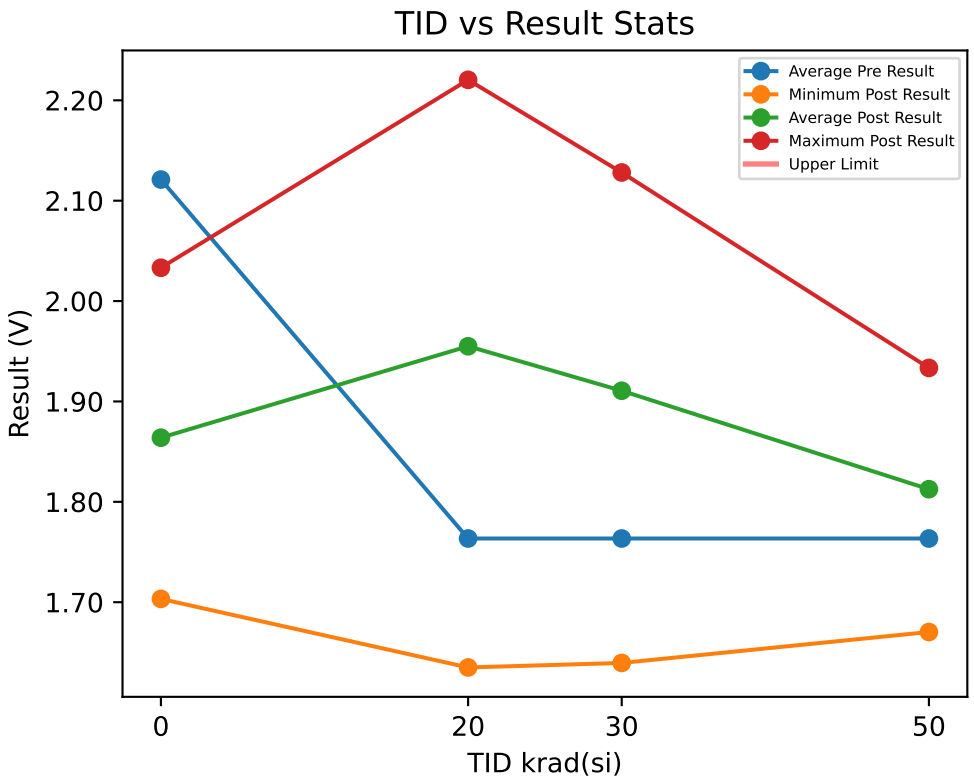
Test Results (No Limits Specified (V))

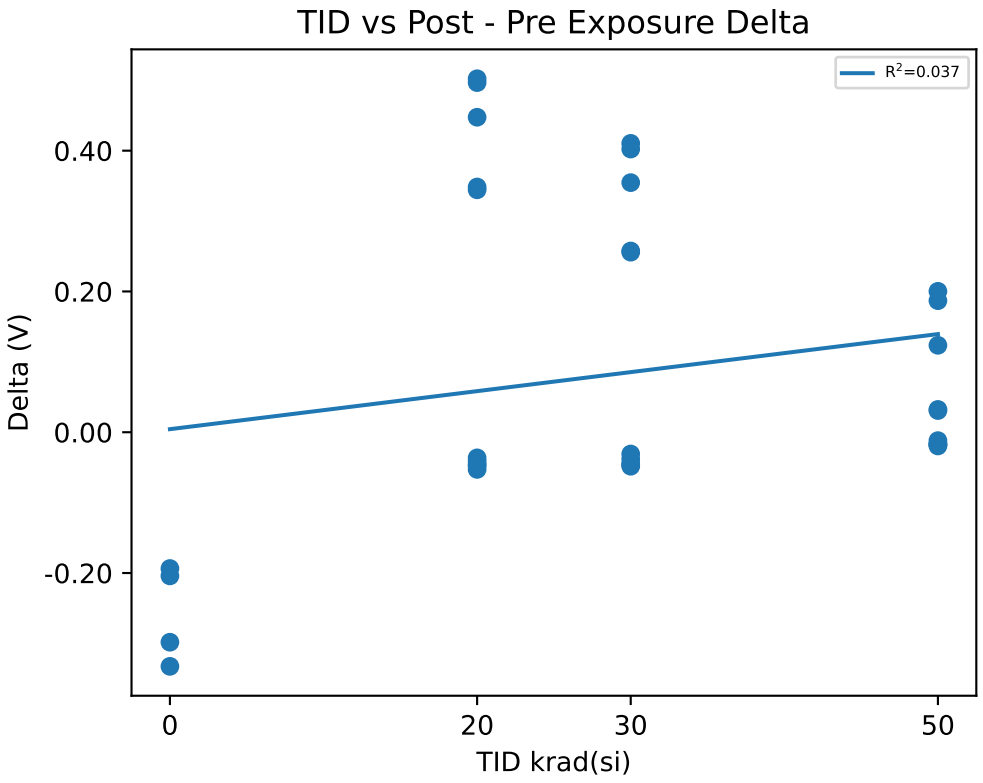
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
41	0	CORRELATION	1.9522	1.6211	-0.3311
42	0	CORRELATION	2.0974	1.887	-0.2104
43	0	CORRELATION	2.1358	1.9367	-0.1991
45	0	CORRELATION	1.9455	1.6457	-0.2998
71	20	LDR BIAS	1.6709	2.0132	0.3423
72	20	LDR BIAS	1.6301	2.1195	0.4894
73	20	LDR BIAS	1.6053	2.0407	0.4354
74	20	LDR BIAS	1.7307	2.077	0.3463
75	20	LDR BIAS	1.6306	2.1224	0.4918
76	20	LDR UNBIAS	1.7074	1.6595	-0.0479
77	20	LDR UNBIAS	1.8458	1.8075	-0.0383
78	20	LDR UNBIAS	1.601	1.5471	-0.0539
79	20	LDR UNBIAS	1.6855	1.6425	-0.043
80	20	LDR UNBIAS	1.6248	1.5762	-0.0486
81	30	LDR BIAS	1.6709	1.9292	0.2583
82	30	LDR BIAS	1.6301	2.0354	0.4053
83	30	LDR BIAS	1.6053	1.9519	0.3466
84	30	LDR BIAS	1.7307	1.9887	0.258
85	30	LDR BIAS	1.6306	2.0271	0.3965
86	30	LDR UNBIAS	1.7074	1.6614	-0.046
87	30	LDR UNBIAS	1.8458	1.8154	-0.0304
88	30	LDR UNBIAS	1.601	1.5535	-0.0475
89	30	LDR UNBIAS	1.6855	1.6477	-0.0378
90	30	LDR UNBIAS	1.6248	1.5803	-0.0445
91	50	LDR BIAS	1.6709	1.704	0.0331
92	50	LDR BIAS	1.6301	1.828	0.1979
93	50	LDR BIAS	1.6053	1.725	0.1197
94	50	LDR BIAS	1.7307	1.7627	0.032
95	50	LDR BIAS	1.6306	1.8154	0.1848
96	50	LDR UNBIAS	1.7074	1.691	-0.0164
97	50	LDR UNBIAS	1.8458	1.8371	-0.0087
98	50	LDR UNBIAS	1.601	1.5862	-0.0148
99	50	LDR UNBIAS	1.6855	1.6712	-0.0143
100	50	LDR UNBIAS	1.6248	1.6108	-0.014

Test Statistics (V)

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	1.9455	2.0327	2.1358	0.098149	1.6211	1.7726	1.9367	0.16235	-0.3311	-0.2601	-0.1991	0.065341
20	1.601	1.6732	1.8458	0.07473	1.5471	1.8606	2.1224	0.23761	-0.0539	0.18735	0.4918	0.2512
30	1.601	1.6732	1.8458	0.07473	1.5535	1.8191	2.0354	0.1916	-0.0475	0.14585	0.4053	0.203
50	1.601	1.6732	1.8458	0.07473	1.5862	1.7231	1.8371	0.087897	-0.0164	0.04993	0.1979	0.085503

Device Test: 14.9 GAN|3Q/SW_LS///1A///@LS_VSD_1p0A





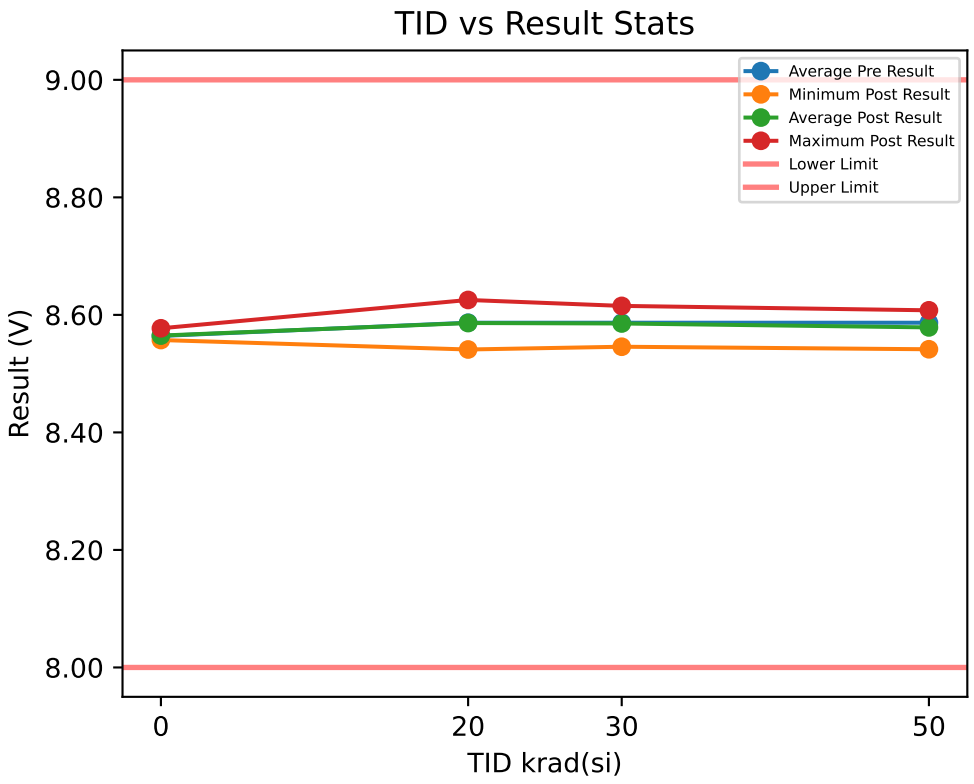
Test Results (No Limits Specified (V))

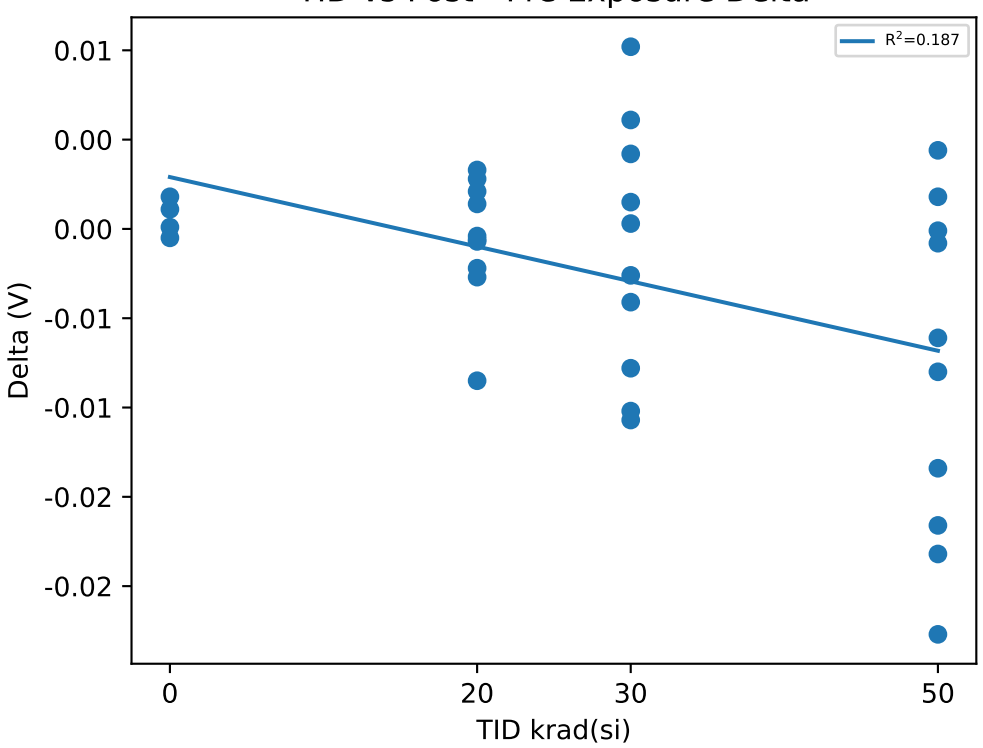
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
41	0	CORRELATION	2.0359	1.7033	-0.3326
42	0	CORRELATION	2.1925	1.9884	-0.2041
43	0	CORRELATION	2.2268	2.0332	-0.1936
45	0	CORRELATION	2.029	1.7307	-0.2983
71	20	LDR BIAS	1.7637	2.1081	0.3444
72	20	LDR BIAS	1.7177	2.2144	0.4967
73	20	LDR BIAS	1.6918	2.1393	0.4475
74	20	LDR BIAS	1.8243	2.1727	0.3484
75	20	LDR BIAS	1.7182	2.2204	0.5022
76	20	LDR UNBIAS	1.7981	1.752	-0.0461
77	20	LDR UNBIAS	1.9453	1.9089	-0.0364
78	20	LDR UNBIAS	1.6878	1.635	-0.0528
79	20	LDR UNBIAS	1.7755	1.7341	-0.0414
80	20	LDR UNBIAS	1.7123	1.665	-0.0473
81	30	LDR BIAS	1.7637	2.0195	0.2558
82	30	LDR BIAS	1.7177	2.1281	0.4104
83	30	LDR BIAS	1.6918	2.0464	0.3546
84	30	LDR BIAS	1.8243	2.0818	0.2575
85	30	LDR BIAS	1.7182	2.1205	0.4023
86	30	LDR UNBIAS	1.7981	1.752	-0.0461
87	30	LDR UNBIAS	1.9453	1.9144	-0.0309
88	30	LDR UNBIAS	1.6878	1.6395	-0.0483
89	30	LDR UNBIAS	1.7755	1.7372	-0.0383
90	30	LDR UNBIAS	1.7123	1.6672	-0.0451
91	50	LDR BIAS	1.7637	1.7945	0.0308
92	50	LDR BIAS	1.7177	1.9179	0.2002
93	50	LDR BIAS	1.6918	1.8153	0.1235
94	50	LDR BIAS	1.8243	1.8567	0.0324
95	50	LDR BIAS	1.7182	1.9051	0.1869
96	50	LDR UNBIAS	1.7981	1.7786	-0.0195
97	50	LDR UNBIAS	1.9453	1.9334	-0.0119
98	50	LDR UNBIAS	1.6878	1.6703	-0.0175
99	50	LDR UNBIAS	1.7755	1.7583	-0.0172
100	50	LDR UNBIAS	1.7123	1.6956	-0.0167

Test Statistics (V)

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	2.029	2.121	2.2268	0.1033	1.7033	1.8639	2.0332	0.17097	-0.3326	-0.25715	-0.1936	0.068893
20	1.6878	1.7635	1.9453	0.078692	1.635	1.955	2.2204	0.24064	-0.0528	0.19152	0.5022	0.25442
30	1.6878	1.7635	1.9453	0.078692	1.6395	1.9107	2.1281	0.19406	-0.0483	0.14719	0.4104	0.20549
50	1.6878	1.7635	1.9453	0.078692	1.6703	1.8126	1.9334	0.091019	-0.0195	0.0491	0.2002	0.087912

Device Test: 15.1 THRESHOLD|RISE/VIN//10////@V_IN_TH_RISE





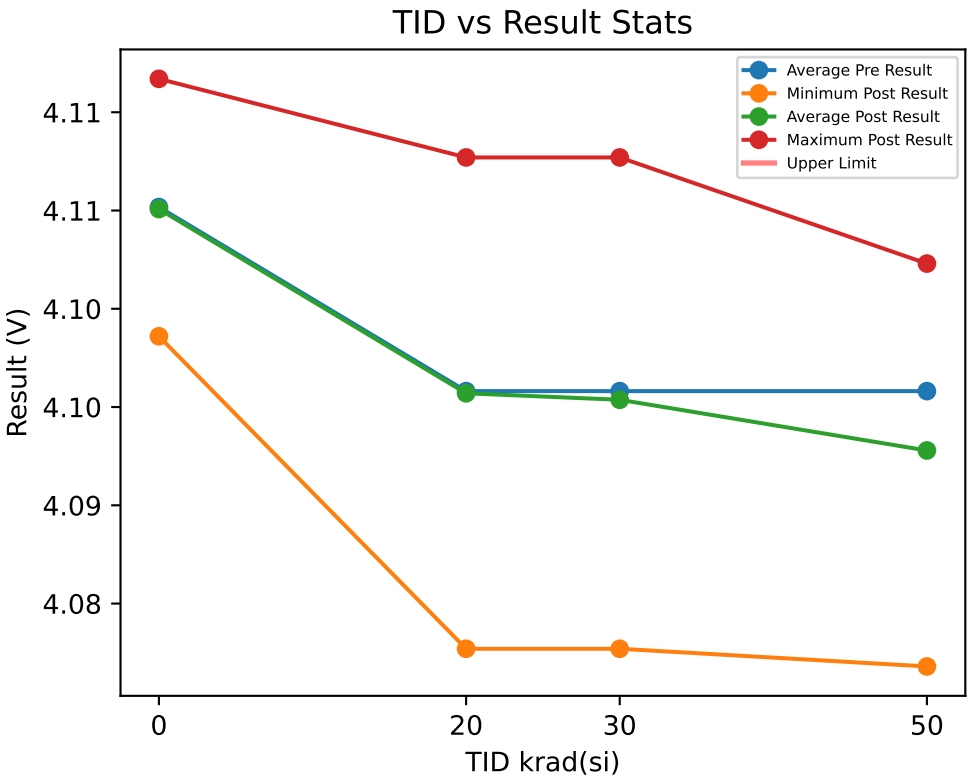
Test Results (Lower Limit = 8.0, Upper Limit = 9.0 (V))

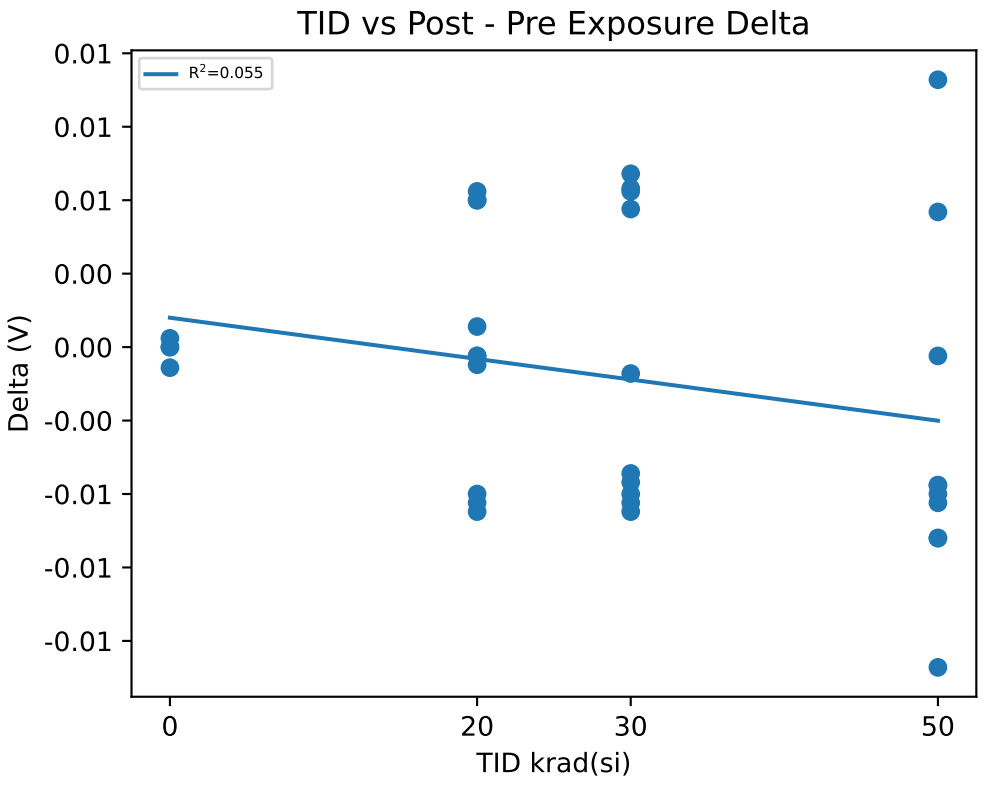
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
41	0	CORRELATION	8.5777	8.5772	-0.0005
42	0	CORRELATION	8.5554	8.5572	0.0018
43	0	CORRELATION	8.5674	8.5675	0.0001
45	0	CORRELATION	8.5561	8.5572	0.0011
71	20	LDR BIAS	8.5817	8.5732	-0.0085
72	20	LDR BIAS	8.6038	8.6031	-0.0007
73	20	LDR BIAS	8.5397	8.5411	0.0014
74	20	LDR BIAS	8.626	8.6254	-0.0006
75	20	LDR BIAS	8.5576	8.5572	-0.0004
76	20	LDR UNBIAS	8.5914	8.5892	-0.0022
77	20	LDR UNBIAS	8.6034	8.6055	0.0021
78	20	LDR UNBIAS	8.5539	8.5572	0.0033
79	20	LDR UNBIAS	8.6078	8.6051	-0.0027
80	20	LDR UNBIAS	8.6014	8.6042	0.0028
81	30	LDR BIAS	8.5817	8.5715	-0.0102
82	30	LDR BIAS	8.6038	8.596	-0.0078
83	30	LDR BIAS	8.5397	8.5458	0.0061
84	30	LDR BIAS	8.626	8.6153	-0.0107
85	30	LDR BIAS	8.5576	8.5591	0.0015
86	30	LDR UNBIAS	8.5914	8.5873	-0.0041
87	30	LDR UNBIAS	8.6034	8.6136	0.0102
88	30	LDR UNBIAS	8.5539	8.5581	0.0042
89	30	LDR UNBIAS	8.6078	8.6052	-0.0026
90	30	LDR UNBIAS	8.6014	8.6017	0.0003
91	50	LDR BIAS	8.5817	8.5635	-0.0182
92	50	LDR BIAS	8.6038	8.5872	-0.0166
93	50	LDR BIAS	8.5397	8.5415	0.0018
94	50	LDR BIAS	8.626	8.6033	-0.0227
95	50	LDR BIAS	8.5576	8.5496	-0.008
96	50	LDR UNBIAS	8.5914	8.5853	-0.0061
97	50	LDR UNBIAS	8.6034	8.6078	0.0044
98	50	LDR UNBIAS	8.5539	8.5531	-0.0008
99	50	LDR UNBIAS	8.6078	8.5944	-0.0134
100	50	LDR UNBIAS	8.6014	8.6013	-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	8.5554	8.5641	8.5777	0.010576	8.5572	8.5648	8.5772	0.0096015	-0.0005	0.000625	0.0018	0.0010243
20	8.5397	8.5867	8.626	0.027801	8.5411	8.5861	8.6254	0.027426	-0.0085	-0.00055	0.0033	0.0034555
30	8.5397	8.5867	8.626	0.027801	8.5458	8.5854	8.6153	0.025081	-0.0107	-0.00131	0.0102	0.0070475
50	8.5397	8.5867	8.626	0.027801	8.5415	8.5787	8.6078	0.02459	-0.0227	-0.00797	0.0044	0.0093743

Device Test: 15.10 THRESHOLD|RISE/BP5L/12/10////@V_BP5L_TH_RISE





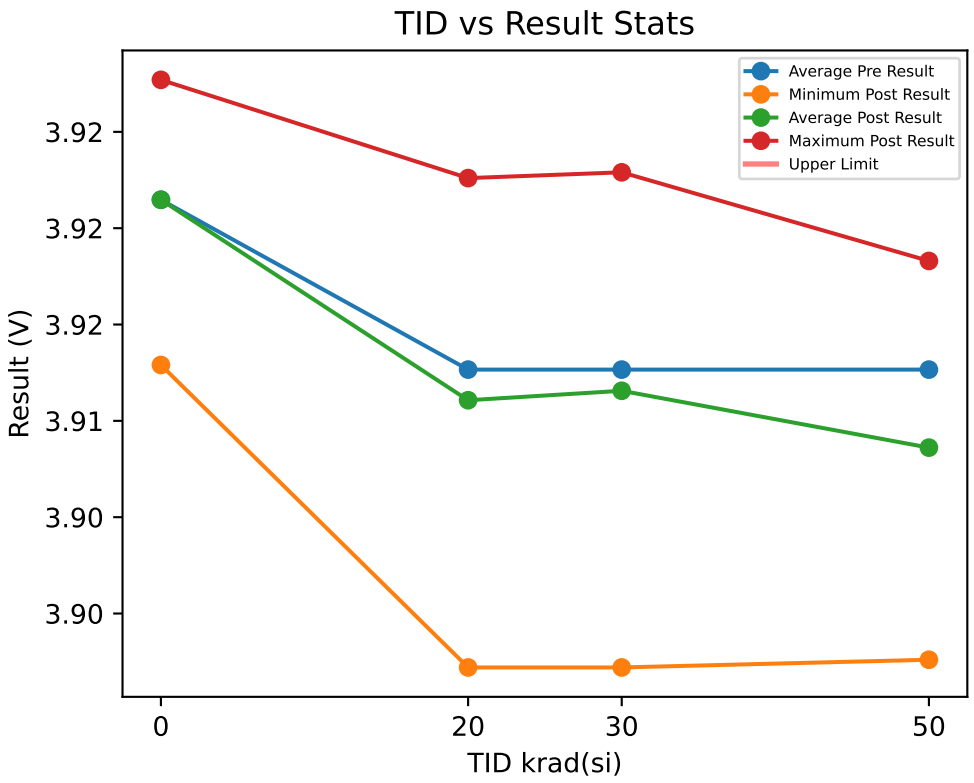
Test Results (No Limits Specified (V))

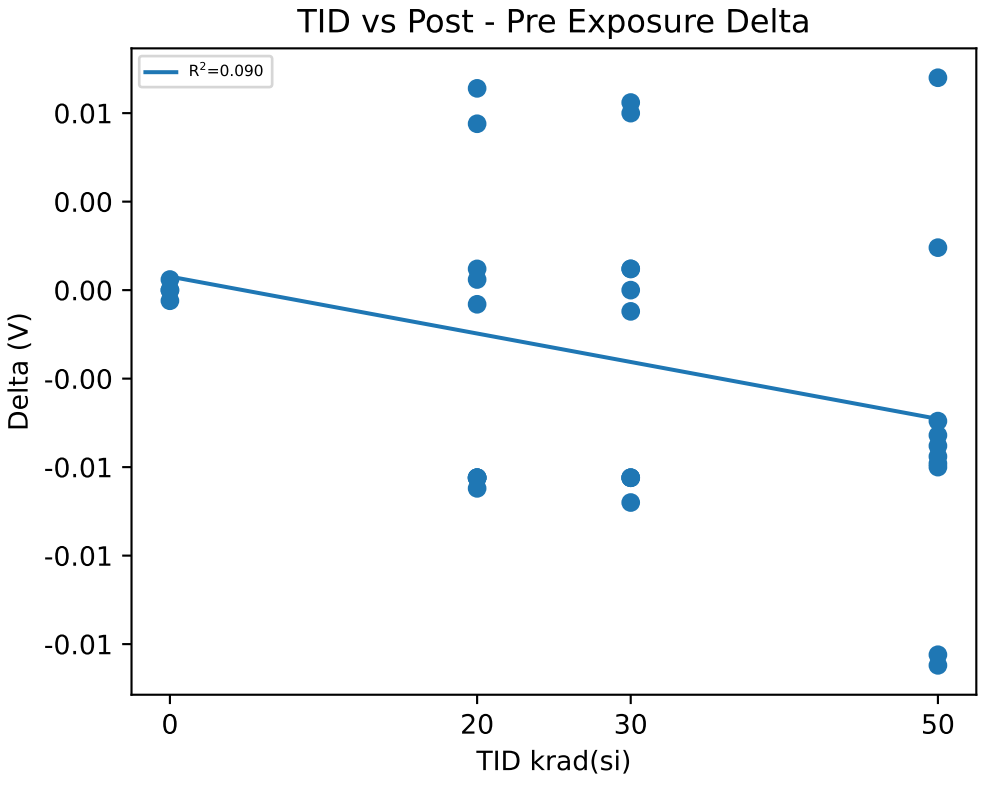
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
41	0	CORRELATION	4.1117	4.1117	0
42	0	CORRELATION	4.1077	4.1077	0
43	0	CORRELATION	4.102	4.1023	0.0003
45	0	CORRELATION	4.0993	4.0986	-0.0007
71	20	LDR BIAS	4.0873	4.088	0.0007
72	20	LDR BIAS	4.0883	4.0827	-0.0056
73	20	LDR BIAS	4.1023	4.102	-0.0003
74	20	LDR BIAS	4.0986	4.0983	-0.0003
75	20	LDR BIAS	4.1076	4.107	-0.0006
76	20	LDR UNBIAS	4.0883	4.0933	0.005
77	20	LDR UNBIAS	4.1026	4.0973	-0.0053
78	20	LDR UNBIAS	4.093	4.088	-0.005
79	20	LDR UNBIAS	4.0877	4.0927	0.005
80	20	LDR UNBIAS	4.1024	4.1077	0.0053
81	30	LDR BIAS	4.0873	4.0927	0.0054
82	30	LDR BIAS	4.0883	4.0827	-0.0056
83	30	LDR BIAS	4.1023	4.098	-0.0043
84	30	LDR BIAS	4.0986	4.0977	-0.0009
85	30	LDR BIAS	4.1076	4.103	-0.0046
86	30	LDR UNBIAS	4.0883	4.093	0.0047
87	30	LDR UNBIAS	4.1026	4.0973	-0.0053
88	30	LDR UNBIAS	4.093	4.088	-0.005
89	30	LDR UNBIAS	4.0877	4.0936	0.0059
90	30	LDR UNBIAS	4.1024	4.1077	0.0053
91	50	LDR BIAS	4.0873	4.087	-0.0003
92	50	LDR BIAS	4.0883	4.0818	-0.0065
93	50	LDR BIAS	4.1023	4.0976	-0.0047
94	50	LDR BIAS	4.0986	4.0921	-0.0065
95	50	LDR BIAS	4.1076	4.1023	-0.0053
96	50	LDR UNBIAS	4.0883	4.0974	0.0091
97	50	LDR UNBIAS	4.1026	4.0979	-0.0047
98	50	LDR UNBIAS	4.093	4.0821	-0.0109
99	50	LDR UNBIAS	4.0877	4.0923	0.0046
100	50	LDR UNBIAS	4.1024	4.0974	-0.005

Test Statistics (V)

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	4.0993	4.1052	4.1117	0.0055841	4.0986	4.1051	4.1117	0.0057853	-0.0007	-0.0001	0.0003	0.00042426
20	4.0873	4.0958	4.1076	0.0077268	4.0827	4.0957	4.1077	0.0083203	-0.0056	-0.00011	0.0053	0.0042616
30	4.0873	4.0958	4.1076	0.0077268	4.0827	4.0954	4.1077	0.0071262	-0.0056	-0.00044	0.0059	0.0051329
50	4.0873	4.0958	4.1076	0.0077268	4.0818	4.0928	4.1023	0.0070828	-0.0109	-0.00302	0.0091	0.0059014

Device Test: 15.11 THRESHOLD|FALL/BP5L/12/10////@V_BP5L_TH_FALL





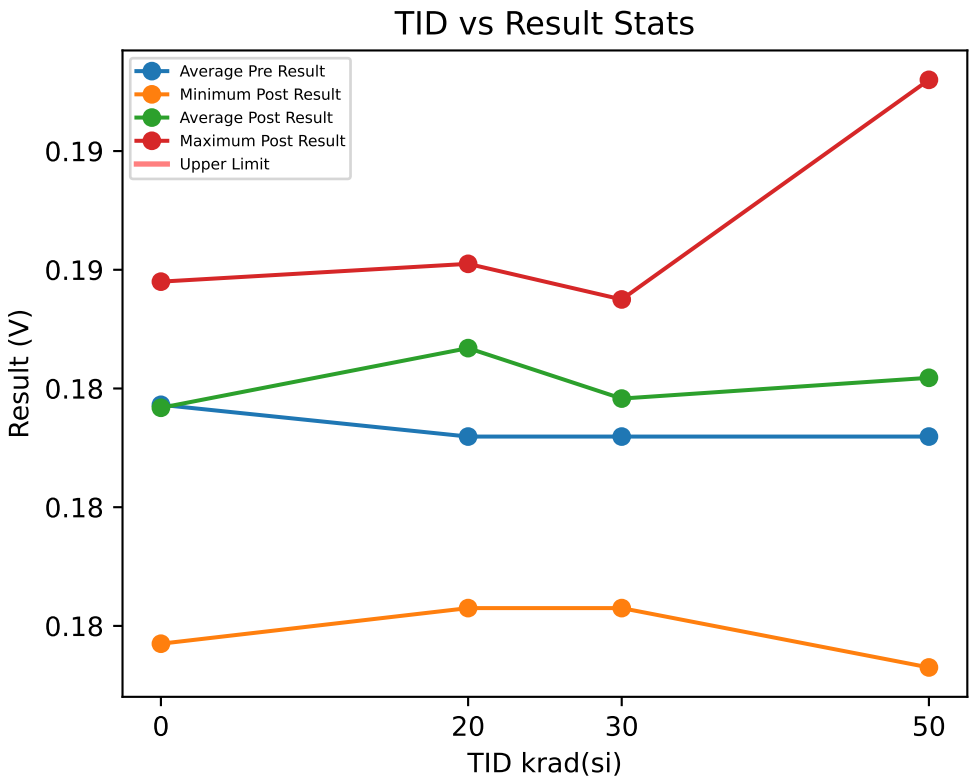
Test Results (No Limits Specified (V))

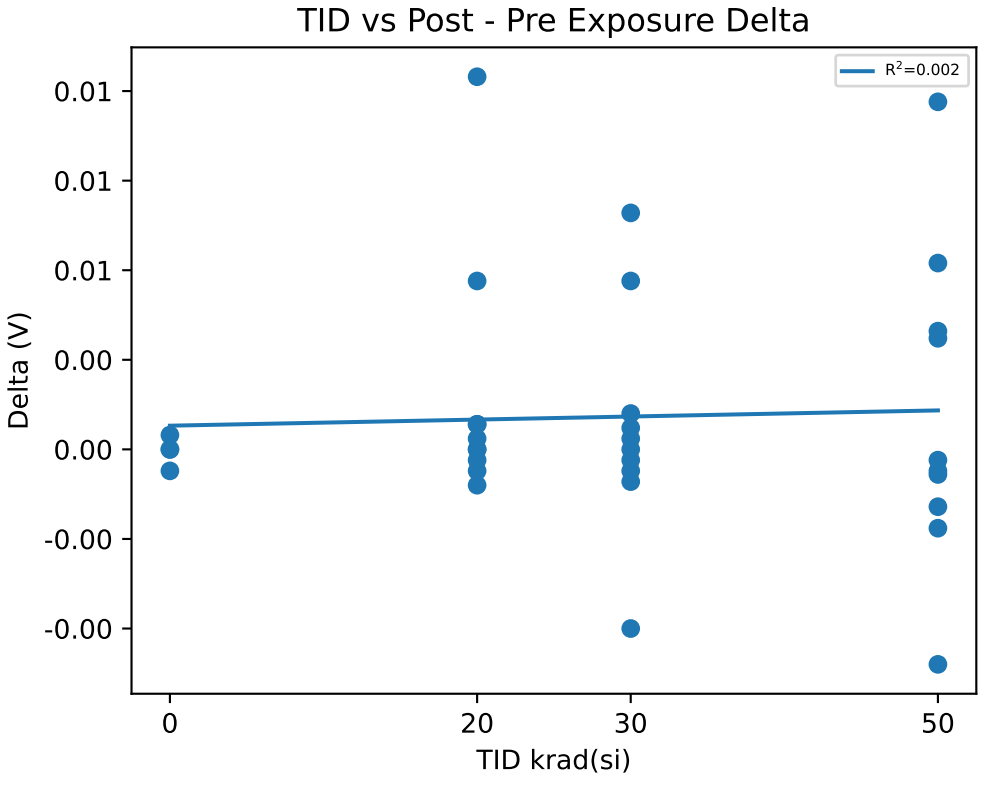
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
41	0	CORRELATION	3.9277	3.9277	0
42	0	CORRELATION	3.9229	3.9226	-0.0003
43	0	CORRELATION	3.9224	3.9227	0.0003
45	0	CORRELATION	3.9129	3.9129	0
71	20	LDR BIAS	3.9074	3.9077	0.0003
72	20	LDR BIAS	3.9025	3.8972	-0.0053
73	20	LDR BIAS	3.9171	3.9177	0.0006
74	20	LDR BIAS	3.9126	3.9122	-0.0004
75	20	LDR BIAS	3.9277	3.9224	-0.0053
76	20	LDR UNBIAS	3.9022	3.9079	0.0057
77	20	LDR UNBIAS	3.9174	3.9121	-0.0053
78	20	LDR UNBIAS	3.9085	3.9029	-0.0056
79	20	LDR UNBIAS	3.9133	3.908	-0.0053
80	20	LDR UNBIAS	3.9179	3.9226	0.0047
81	30	LDR BIAS	3.9074	3.908	0.0006
82	30	LDR BIAS	3.9025	3.8972	-0.0053
83	30	LDR BIAS	3.9171	3.9177	0.0006
84	30	LDR BIAS	3.9126	3.9126	0
85	30	LDR BIAS	3.9277	3.9224	-0.0053
86	30	LDR UNBIAS	3.9022	3.9075	0.0053
87	30	LDR UNBIAS	3.9174	3.9121	-0.0053
88	30	LDR UNBIAS	3.9085	3.9025	-0.006
89	30	LDR UNBIAS	3.9133	3.9127	-0.0006
90	30	LDR UNBIAS	3.9179	3.9229	0.005
91	50	LDR BIAS	3.9074	3.9037	-0.0037
92	50	LDR BIAS	3.9025	3.8976	-0.0049
93	50	LDR BIAS	3.9171	3.9183	0.0012
94	50	LDR BIAS	3.9126	3.9082	-0.0044
95	50	LDR BIAS	3.9277	3.9171	-0.0106
96	50	LDR UNBIAS	3.9022	3.9082	0.006
97	50	LDR UNBIAS	3.9174	3.9133	-0.0041
98	50	LDR UNBIAS	3.9085	3.8982	-0.0103
99	50	LDR UNBIAS	3.9133	3.9083	-0.005
100	50	LDR UNBIAS	3.9179	3.9132	-0.0047

Test Statistics (V)

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	3.9129	3.9215	3.9277	0.0061959	3.9129	3.9215	3.9277	0.0061927	-0.0003	0	0.0003	0.00024495
20	3.9022	3.9127	3.9277	0.0078448	3.8972	3.9111	3.9226	0.0081484	-0.0056	-0.00159	0.0057	0.0043923
30	3.9022	3.9127	3.9277	0.0078448	3.8972	3.9116	3.9229	0.0081916	-0.006	-0.0011	0.0053	0.0042471
50	3.9022	3.9127	3.9277	0.0078448	3.8976	3.9086	3.9183	0.0071738	-0.0106	-0.00405	0.006	0.0048628

Device Test: 15.12 THRESHOLD|HYST/BP5L/12/10////@V_BP5L_TH_HYST





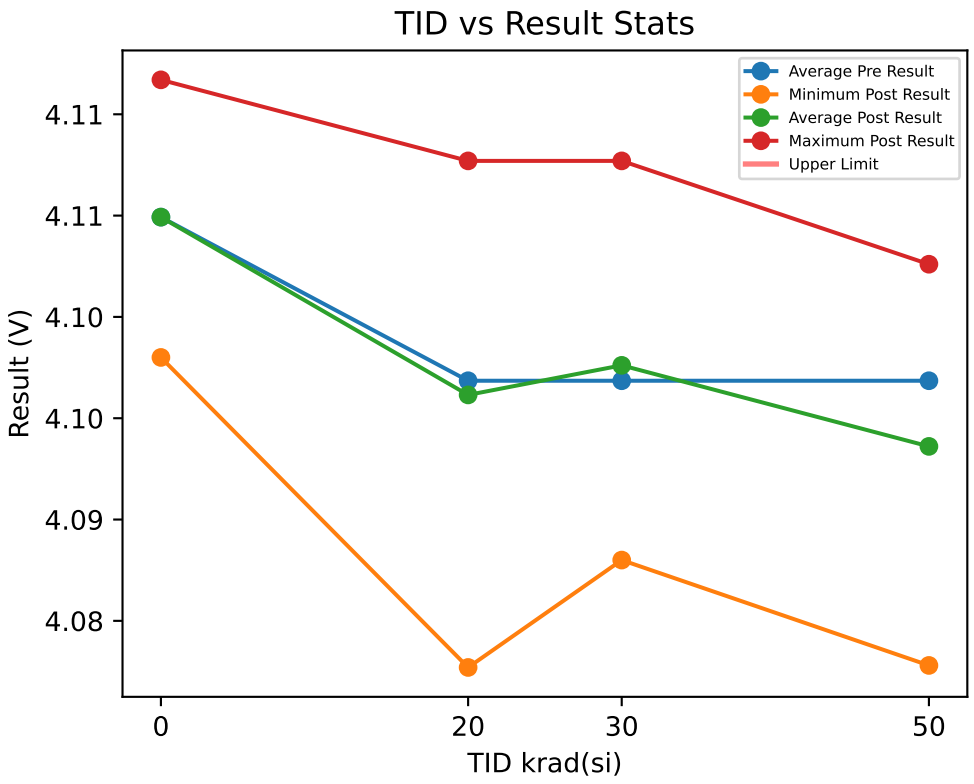
Test Results (No Limits Specified (V))

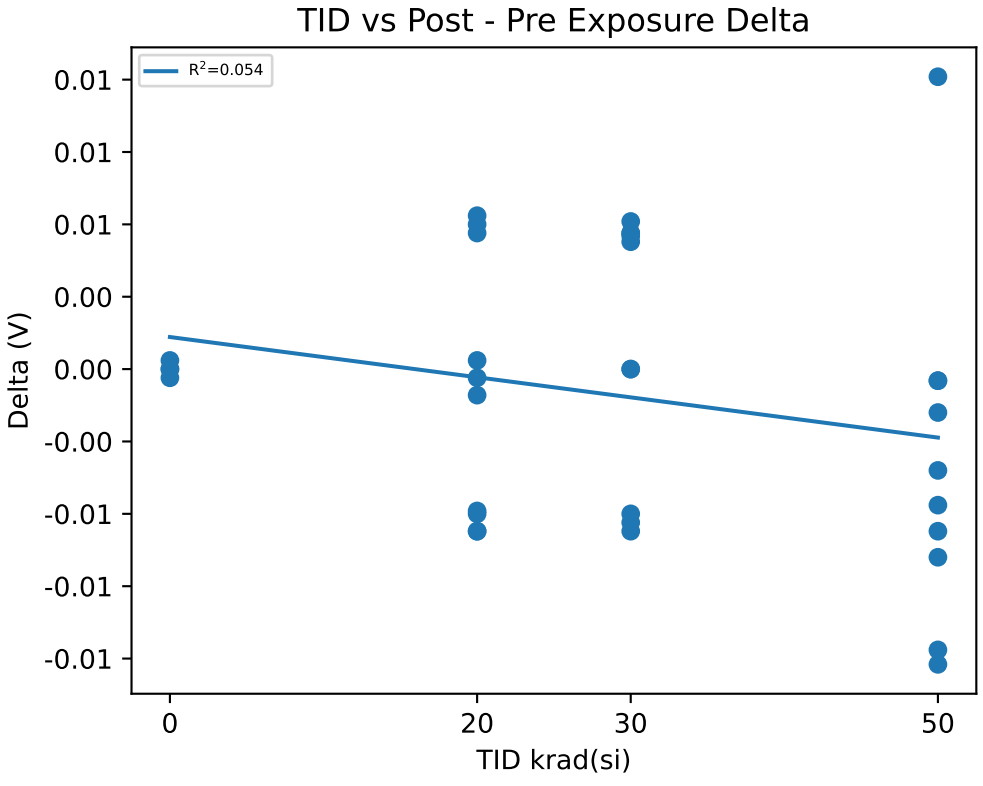
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
41	0	CORRELATION	0.184	0.184	0
42	0	CORRELATION	0.1848	0.1852	0.0004
43	0	CORRELATION	0.1797	0.1797	0
45	0	CORRELATION	0.1864	0.1858	-0.0006
71	20	LDR BIAS	0.18	0.1803	0.0003
72	20	LDR BIAS	0.1858	0.1855	-0.0003
73	20	LDR BIAS	0.1853	0.1843	-0.001
74	20	LDR BIAS	0.1861	0.1861	0
75	20	LDR BIAS	0.18	0.1847	0.0047
76	20	LDR UNBIAS	0.1861	0.1855	-0.0006
77	20	LDR UNBIAS	0.1853	0.1853	0
78	20	LDR UNBIAS	0.1845	0.1852	0.0007
79	20	LDR UNBIAS	0.1743	0.1847	0.0104
80	20	LDR UNBIAS	0.1845	0.1852	0.0007
81	30	LDR BIAS	0.18	0.1847	0.0047
82	30	LDR BIAS	0.1858	0.1855	-0.0003
83	30	LDR BIAS	0.1853	0.1803	-0.005
84	30	LDR BIAS	0.1861	0.1852	-0.0009
85	30	LDR BIAS	0.18	0.1806	0.0006
86	30	LDR UNBIAS	0.1861	0.1855	-0.0006
87	30	LDR UNBIAS	0.1853	0.1853	0
88	30	LDR UNBIAS	0.1845	0.1855	0.001
89	30	LDR UNBIAS	0.1743	0.1809	0.0066
90	30	LDR UNBIAS	0.1845	0.1848	0.0003
91	50	LDR BIAS	0.18	0.1833	0.0033
92	50	LDR BIAS	0.1858	0.1842	-0.0016
93	50	LDR BIAS	0.1853	0.1793	-0.006
94	50	LDR BIAS	0.1861	0.1839	-0.0022
95	50	LDR BIAS	0.18	0.1852	0.0052
96	50	LDR UNBIAS	0.1861	0.1892	0.0031
97	50	LDR UNBIAS	0.1853	0.1846	-0.0007
98	50	LDR UNBIAS	0.1845	0.1839	-0.0006
99	50	LDR UNBIAS	0.1743	0.184	0.0097
100	50	LDR UNBIAS	0.1845	0.1842	-0.0003

Test Statistics (V)

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	0.1797	0.18372	0.1864	0.0028628	0.1797	0.18368	0.1858	0.0027536	-0.0006	-5e-05	0.0004	0.00041231
20	0.1743	0.18319	0.1861	0.0038797	0.1803	0.18468	0.1861	0.0016199	-0.001	0.00149	0.0104	0.0035051
30	0.1743	0.18319	0.1861	0.0038797	0.1803	0.18383	0.1855	0.0022505	-0.005	0.00064	0.0066	0.0031493
50	0.1743	0.18319	0.1861	0.0038797	0.1793	0.18418	0.1892	0.002385	-0.006	0.00099	0.0097	0.0044243

Device Test: 15.13 THRESHOLD|RISE/BP5L/14/14////@V_BP5L_TH_RISE





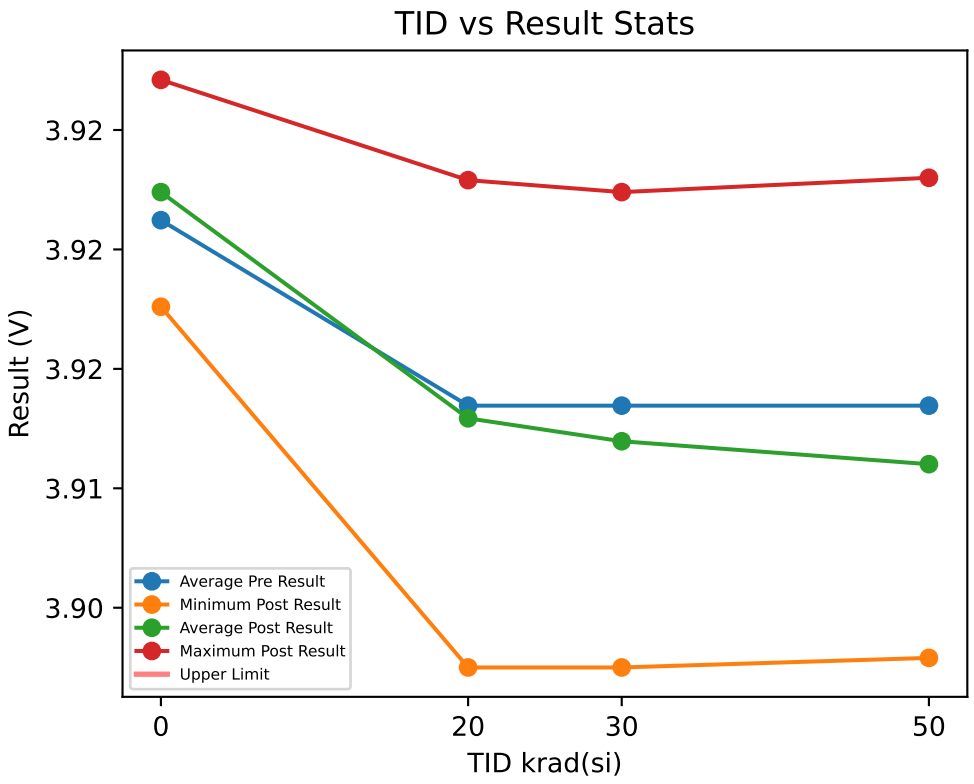
Test Results (No Limits Specified (V))

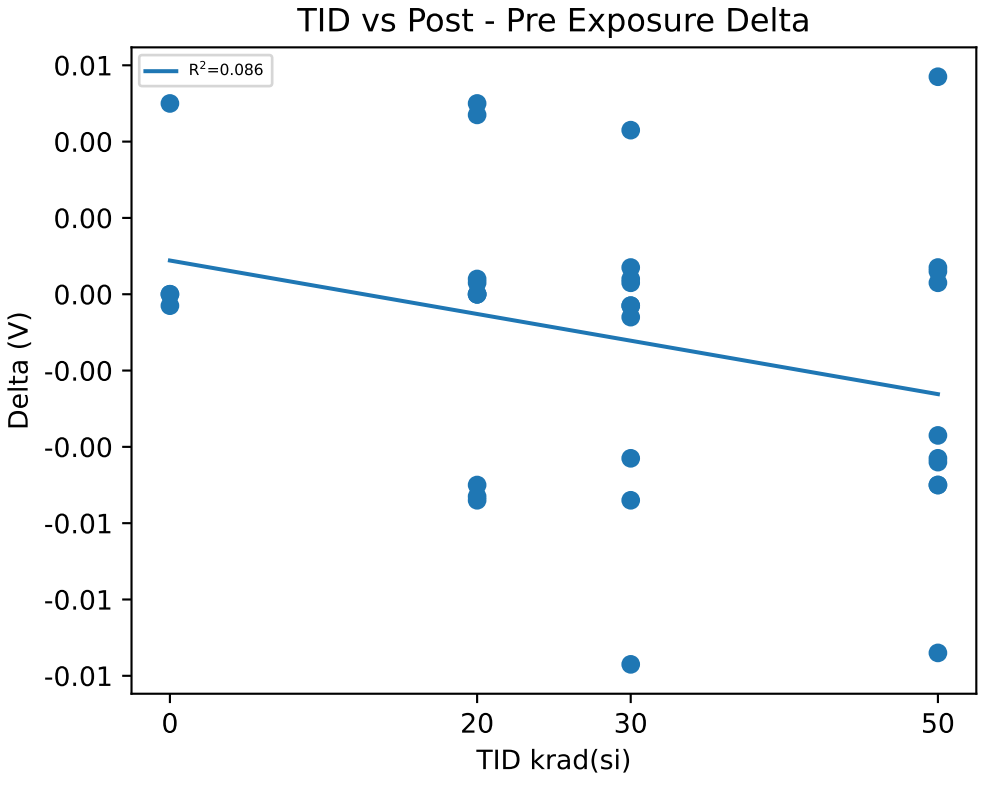
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
41	0	CORRELATION	4.1117	4.1117	0
42	0	CORRELATION	4.1074	4.1074	0
43	0	CORRELATION	4.1023	4.1026	0.0003
45	0	CORRELATION	4.0983	4.098	-0.0003
71	20	LDR BIAS	4.0877	4.093	0.0053
72	20	LDR BIAS	4.0883	4.0827	-0.0056
73	20	LDR BIAS	4.1017	4.102	0.0003
74	20	LDR BIAS	4.0986	4.0977	-0.0009
75	20	LDR BIAS	4.1123	4.1067	-0.0056
76	20	LDR UNBIAS	4.088	4.093	0.005
77	20	LDR UNBIAS	4.1026	4.0977	-0.0049
78	20	LDR UNBIAS	4.093	4.088	-0.005
79	20	LDR UNBIAS	4.0933	4.093	-0.0003
80	20	LDR UNBIAS	4.103	4.1077	0.0047
81	30	LDR BIAS	4.0877	4.0923	0.0046
82	30	LDR BIAS	4.0883	4.0883	0
83	30	LDR BIAS	4.1017	4.1017	0
84	30	LDR BIAS	4.0986	4.1037	0.0051
85	30	LDR BIAS	4.1123	4.1067	-0.0056
86	30	LDR UNBIAS	4.088	4.0927	0.0047
87	30	LDR UNBIAS	4.1026	4.0973	-0.0053
88	30	LDR UNBIAS	4.093	4.088	-0.005
89	30	LDR UNBIAS	4.0933	4.0977	0.0044
90	30	LDR UNBIAS	4.103	4.1077	0.0047
91	50	LDR BIAS	4.0877	4.0873	-0.0004
92	50	LDR BIAS	4.0883	4.0868	-0.0015
93	50	LDR BIAS	4.1017	4.0982	-0.0035
94	50	LDR BIAS	4.0986	4.0921	-0.0065
95	50	LDR BIAS	4.1123	4.1026	-0.0097
96	50	LDR UNBIAS	4.088	4.0981	0.0101
97	50	LDR UNBIAS	4.1026	4.0979	-0.0047
98	50	LDR UNBIAS	4.093	4.0828	-0.0102
99	50	LDR UNBIAS	4.0933	4.0929	-0.0004
100	50	LDR UNBIAS	4.103	4.0974	-0.0056

Test Statistics (V)

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	4.0983	4.1049	4.1117	0.005854	4.098	4.1049	4.1117	0.005927	-0.0003	0	0.0003	0.00024495
20	4.0877	4.0968	4.1123	0.0081564	4.0827	4.0961	4.1077	0.0078939	-0.0056	-0.0007	0.0053	0.0045092
30	4.0877	4.0968	4.1123	0.0081564	4.088	4.0976	4.1077	0.0072241	-0.0056	0.00076	0.0051	0.0045872
50	4.0877	4.0968	4.1123	0.0081564	4.0828	4.0936	4.1026	0.0063303	-0.0102	-0.00324	0.0101	0.0058279

Device Test: 15.14 THRESHOLD|FALL/BP5L/14/14////@V_BP5L_TH_FALL





Test Results (No Limits Specified (V))

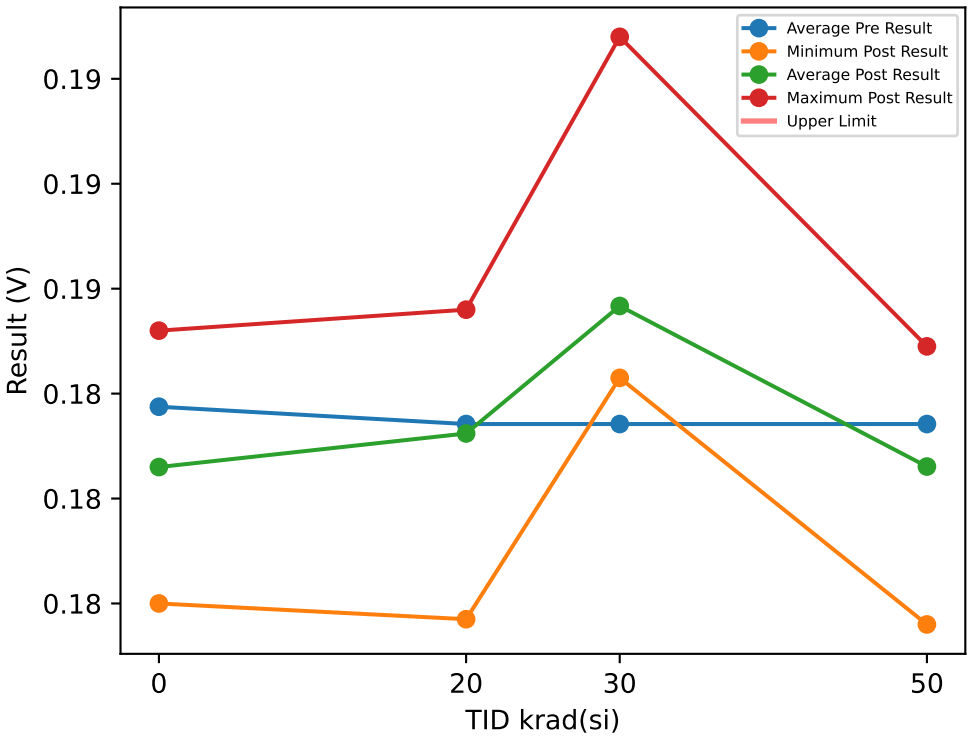
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
41	0	CORRELATION	3.9274	3.9271	-0.0003
42	0	CORRELATION	3.9222	3.9222	0
43	0	CORRELATION	3.9227	3.9227	0
45	0	CORRELATION	3.9126	3.9176	0.005
71	20	LDR BIAS	3.9074	3.9074	0
72	20	LDR BIAS	3.9025	3.9025	0
73	20	LDR BIAS	3.9177	3.9224	0.0047
74	20	LDR BIAS	3.9122	3.9126	0.0004
75	20	LDR BIAS	3.9267	3.9214	-0.0053
76	20	LDR UNBIAS	3.9075	3.9075	0
77	20	LDR UNBIAS	3.9224	3.9174	-0.005
78	20	LDR UNBIAS	3.9079	3.9025	-0.0054
79	20	LDR UNBIAS	3.9124	3.9127	0.0003
80	20	LDR UNBIAS	3.9179	3.9229	0.005
81	30	LDR BIAS	3.9074	3.9077	0.0003
82	30	LDR BIAS	3.9025	3.9029	0.0004
83	30	LDR BIAS	3.9177	3.9174	-0.0003
84	30	LDR BIAS	3.9122	3.9129	0.0007
85	30	LDR BIAS	3.9267	3.9224	-0.0043
86	30	LDR UNBIAS	3.9075	3.9069	-0.0006
87	30	LDR UNBIAS	3.9224	3.9127	-0.0097
88	30	LDR UNBIAS	3.9079	3.9025	-0.0054
89	30	LDR UNBIAS	3.9124	3.9121	-0.0003
90	30	LDR UNBIAS	3.9179	3.9222	0.0043
91	50	LDR BIAS	3.9074	3.903	-0.0044
92	50	LDR BIAS	3.9025	3.9032	0.0007
93	50	LDR BIAS	3.9177	3.918	0.0003
94	50	LDR BIAS	3.9122	3.9079	-0.0043
95	50	LDR BIAS	3.9267	3.923	-0.0037
96	50	LDR UNBIAS	3.9075	3.9132	0.0057
97	50	LDR UNBIAS	3.9224	3.913	-0.0094
98	50	LDR UNBIAS	3.9079	3.9029	-0.005
99	50	LDR UNBIAS	3.9124	3.913	0.0006
100	50	LDR UNBIAS	3.9179	3.9129	-0.005

Test Statistics (V)

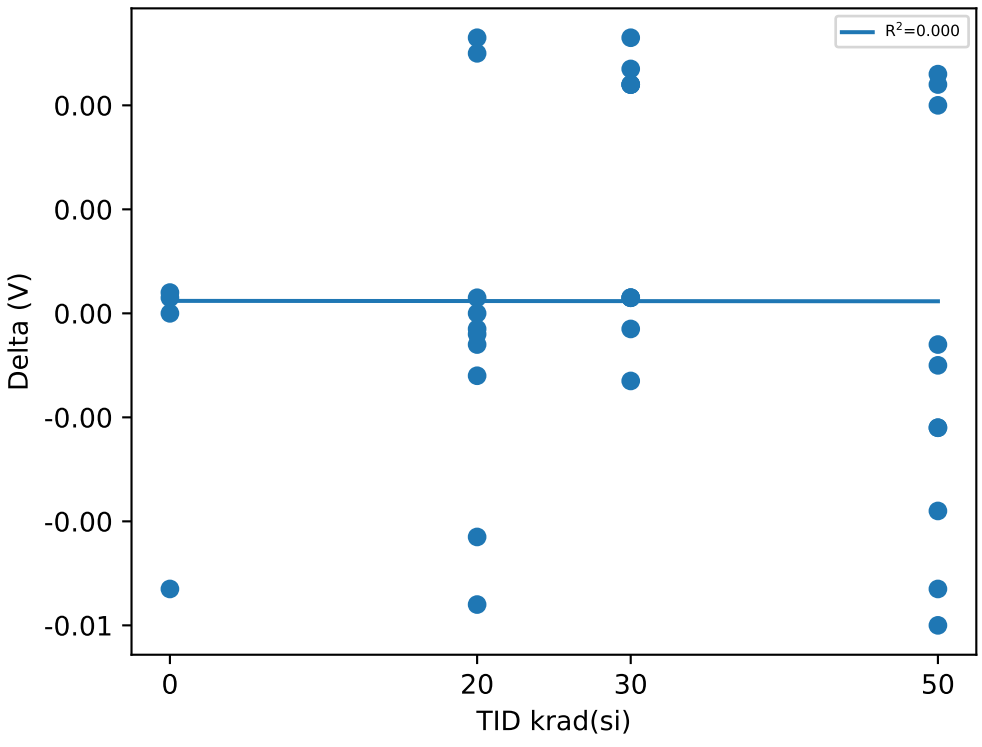
krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	3.9126	3.9212	3.9274	0.0062088	3.9176	3.9224	3.9271	0.0038842	-0.0003	0.001175	0.005	0.0025539
20	3.9025	3.9135	3.9267	0.0075932	3.9025	3.9129	3.9229	0.0078782	-0.0054	-0.00053	0.005	0.0037532
30	3.9025	3.9135	3.9267	0.0075932	3.9025	3.912	3.9224	0.0071509	-0.0097	-0.00149	0.0043	0.0039343
50	3.9025	3.9135	3.9267	0.0075932	3.9029	3.911	3.923	0.0067454	-0.0094	-0.00245	0.0057	0.0042597

Device Test: 15.15 THRESHOLD|HYST/BP5L/14/14////@V_BP5L_TH_HYST

TID vs Result Stats



TID vs Post - Pre Exposure Delta



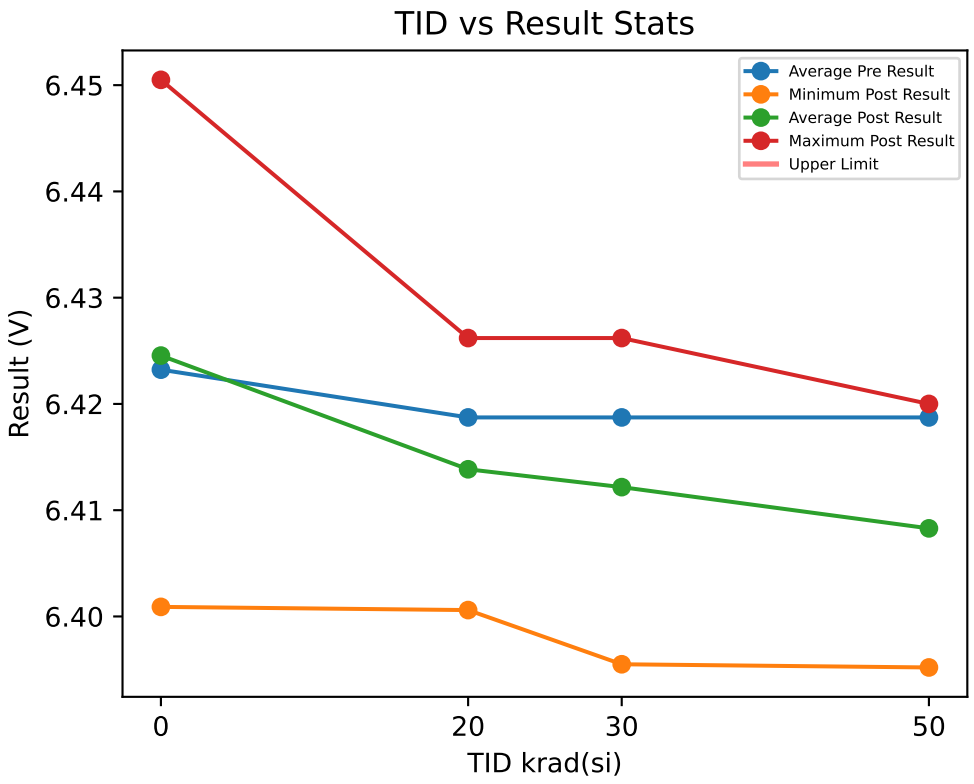
Test Results (No Limits Specified (V))

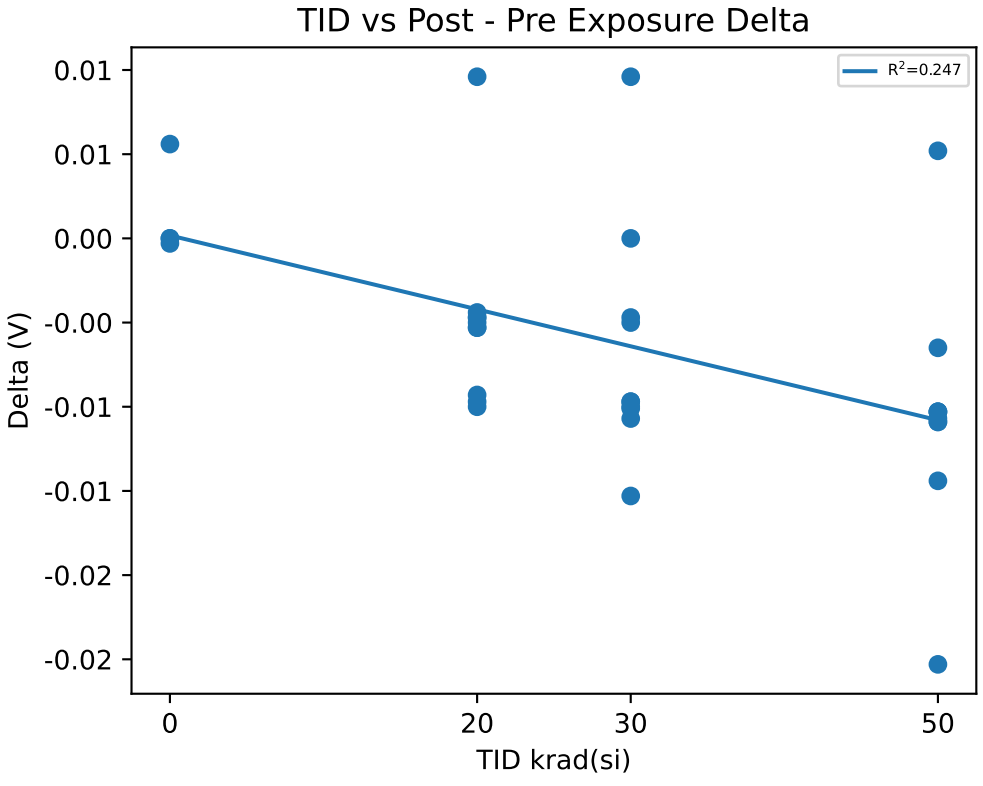
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
41	0	CORRELATION	0.1843	0.1847	0.0004
42	0	CORRELATION	0.1852	0.1852	0
43	0	CORRELATION	0.1797	0.18	0.0003
45	0	CORRELATION	0.1858	0.1805	-0.0053
71	20	LDR BIAS	0.1803	0.1856	0.0053
72	20	LDR BIAS	0.1858	0.1802	-0.0056
73	20	LDR BIAS	0.184	0.1797	-0.0043
74	20	LDR BIAS	0.1864	0.1852	-0.0012
75	20	LDR BIAS	0.1856	0.1853	-0.0003
76	20	LDR UNBIAS	0.1805	0.1855	0.005
77	20	LDR UNBIAS	0.1803	0.1803	0
78	20	LDR UNBIAS	0.1852	0.1855	0.0003
79	20	LDR UNBIAS	0.1809	0.1803	-0.0006
80	20	LDR UNBIAS	0.1852	0.1848	-0.0004
81	30	LDR BIAS	0.1803	0.1847	0.0044
82	30	LDR BIAS	0.1858	0.1855	-0.0003
83	30	LDR BIAS	0.184	0.1843	0.0003
84	30	LDR BIAS	0.1864	0.1908	0.0044
85	30	LDR BIAS	0.1856	0.1843	-0.0013
86	30	LDR UNBIAS	0.1805	0.1858	0.0053
87	30	LDR UNBIAS	0.1803	0.1847	0.0044
88	30	LDR UNBIAS	0.1852	0.1855	0.0003
89	30	LDR UNBIAS	0.1809	0.1856	0.0047
90	30	LDR UNBIAS	0.1852	0.1855	0.0003
91	50	LDR BIAS	0.1803	0.1843	0.004
92	50	LDR BIAS	0.1858	0.1836	-0.0022
93	50	LDR BIAS	0.184	0.1802	-0.0038
94	50	LDR BIAS	0.1864	0.1842	-0.0022
95	50	LDR BIAS	0.1856	0.1796	-0.006
96	50	LDR UNBIAS	0.1805	0.1849	0.0044
97	50	LDR UNBIAS	0.1803	0.1849	0.0046
98	50	LDR UNBIAS	0.1852	0.1799	-0.0053
99	50	LDR UNBIAS	0.1809	0.1799	-0.001
100	50	LDR UNBIAS	0.1852	0.1846	-0.0006

Test Statistics (V)

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	0.1797	0.18375	0.1858	0.0027695	0.18	0.1826	0.1852	0.0027289	-0.0053	-0.00115	0.0004	0.0027719
20	0.1803	0.18342	0.1864	0.0025888	0.1797	0.18324	0.1856	0.0026949	-0.0056	-0.00018	0.0053	0.0034117
30	0.1803	0.18342	0.1864	0.0025888	0.1843	0.18567	0.1908	0.0018874	-0.0013	0.00225	0.0053	0.0025752
50	0.1803	0.18342	0.1864	0.0025888	0.1796	0.18261	0.1849	0.0023657	-0.006	-0.00081	0.0046	0.0039374

Device Test: 15.16 THRESHOLD|RISE/BP7L/10/8////@V_BP7L_TH_RISE





Test Results (No Limits Specified (V))

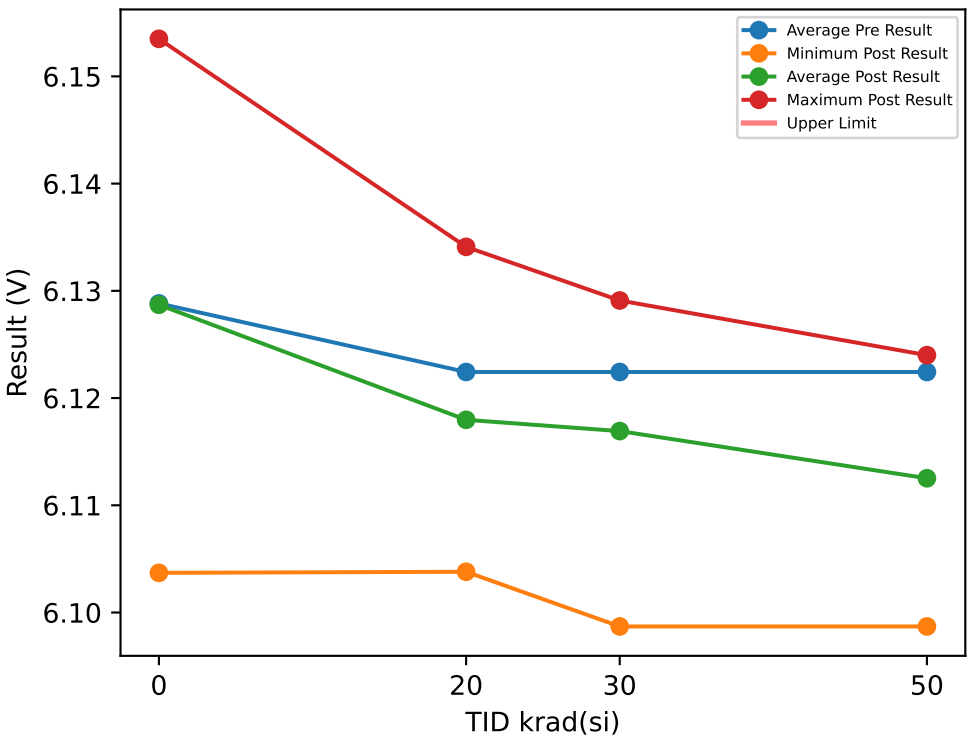
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
41	0	CORRELATION	6.4505	6.4505	0
42	0	CORRELATION	6.4306	6.4362	0.0056
43	0	CORRELATION	6.4106	6.4106	0
45	0	CORRELATION	6.4012	6.4009	-0.0003
71	20	LDR BIAS	6.4309	6.4212	-0.0097
72	20	LDR BIAS	6.4309	6.4262	-0.0047
73	20	LDR BIAS	6.4109	6.4205	0.0096
74	20	LDR BIAS	6.4259	6.4209	-0.005
75	20	LDR BIAS	6.4205	6.4152	-0.0053
76	20	LDR UNBIAS	6.4262	6.4209	-0.0053
77	20	LDR UNBIAS	6.4106	6.4006	-0.01
78	20	LDR UNBIAS	6.4056	6.4012	-0.0044
79	20	LDR UNBIAS	6.4202	6.4109	-0.0093
80	20	LDR UNBIAS	6.4056	6.4009	-0.0047
81	30	LDR BIAS	6.4309	6.4202	-0.0107
82	30	LDR BIAS	6.4309	6.4209	-0.01
83	30	LDR BIAS	6.4109	6.4205	0.0096
84	30	LDR BIAS	6.4259	6.4209	-0.005
85	30	LDR BIAS	6.4205	6.4052	-0.0153
86	30	LDR UNBIAS	6.4262	6.4262	0
87	30	LDR UNBIAS	6.4106	6.4009	-0.0097
88	30	LDR UNBIAS	6.4056	6.3959	-0.0097
89	30	LDR UNBIAS	6.4202	6.4155	-0.0047
90	30	LDR UNBIAS	6.4056	6.3955	-0.0101
91	50	LDR BIAS	6.4309	6.4165	-0.0144
92	50	LDR BIAS	6.4309	6.42	-0.0109
93	50	LDR BIAS	6.4109	6.4161	0.0052
94	50	LDR BIAS	6.4259	6.415	-0.0109
95	50	LDR BIAS	6.4205	6.3952	-0.0253
96	50	LDR UNBIAS	6.4262	6.4197	-0.0065
97	50	LDR UNBIAS	6.4106	6.3999	-0.0107
98	50	LDR UNBIAS	6.4056	6.3953	-0.0103
99	50	LDR UNBIAS	6.4202	6.4099	-0.0103
100	50	LDR UNBIAS	6.4056	6.3953	-0.0103

Test Statistics (V)

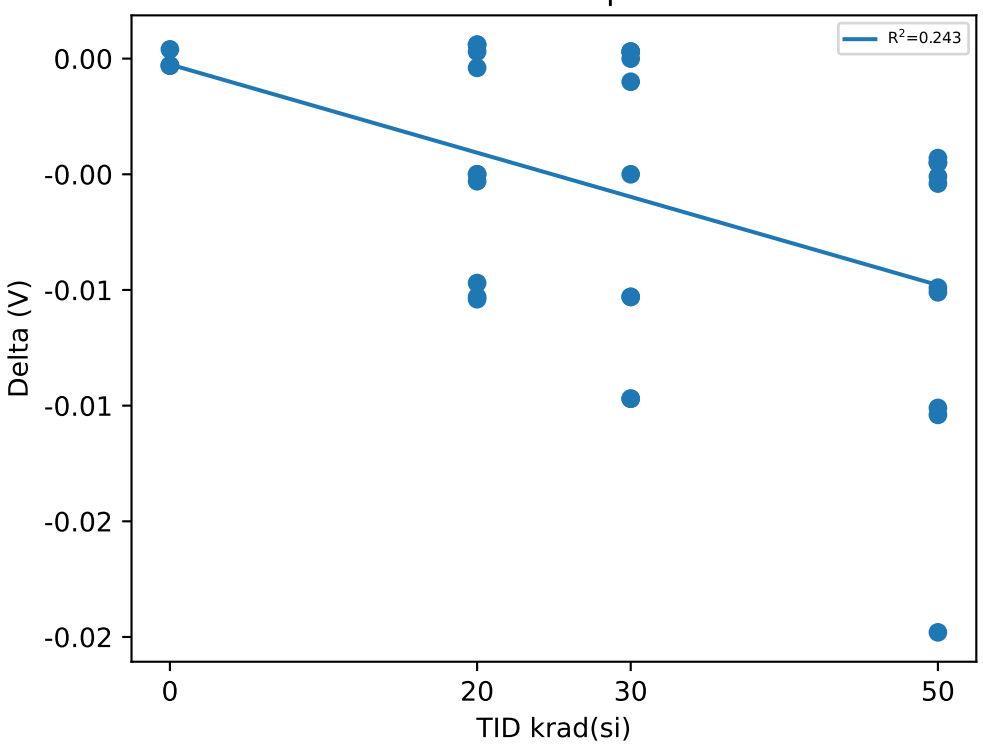
krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	6.4012	6.4232	6.4505	0.02193	6.4009	6.4245	6.4505	0.022826	-0.0003	0.001325	0.0056	0.0028535
20	6.4056	6.4187	6.4309	0.0098934	6.4006	6.4138	6.4262	0.0097979	-0.01	-0.00488	0.0096	0.0055709
30	6.4056	6.4187	6.4309	0.0098934	6.3955	6.4122	6.4262	0.011607	-0.0153	-0.00656	0.0096	0.0070528
50	6.4056	6.4187	6.4309	0.0098934	6.3952	6.4083	6.42	0.010659	-0.0253	-0.01044	0.0052	0.0074325

Device Test: 15.17 THRESHOLD|FALL/BP7L/10/8////@V_BP7L_TH_FALL

TID vs Result Stats



TID vs Post - Pre Exposure Delta



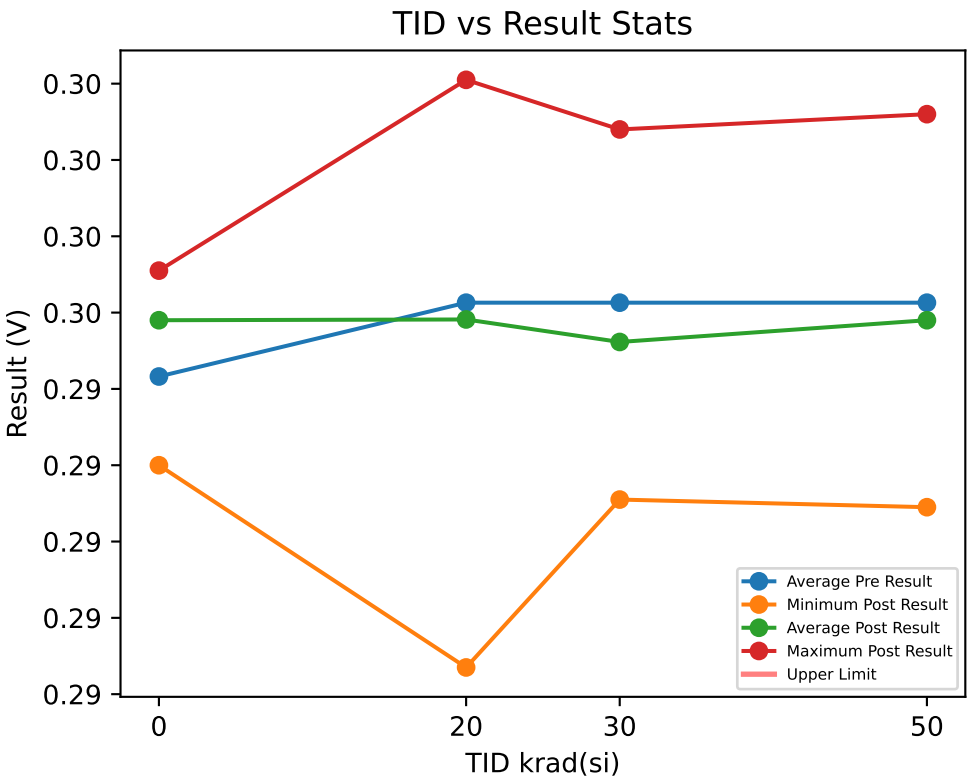
Test Results (No Limits Specified (V))

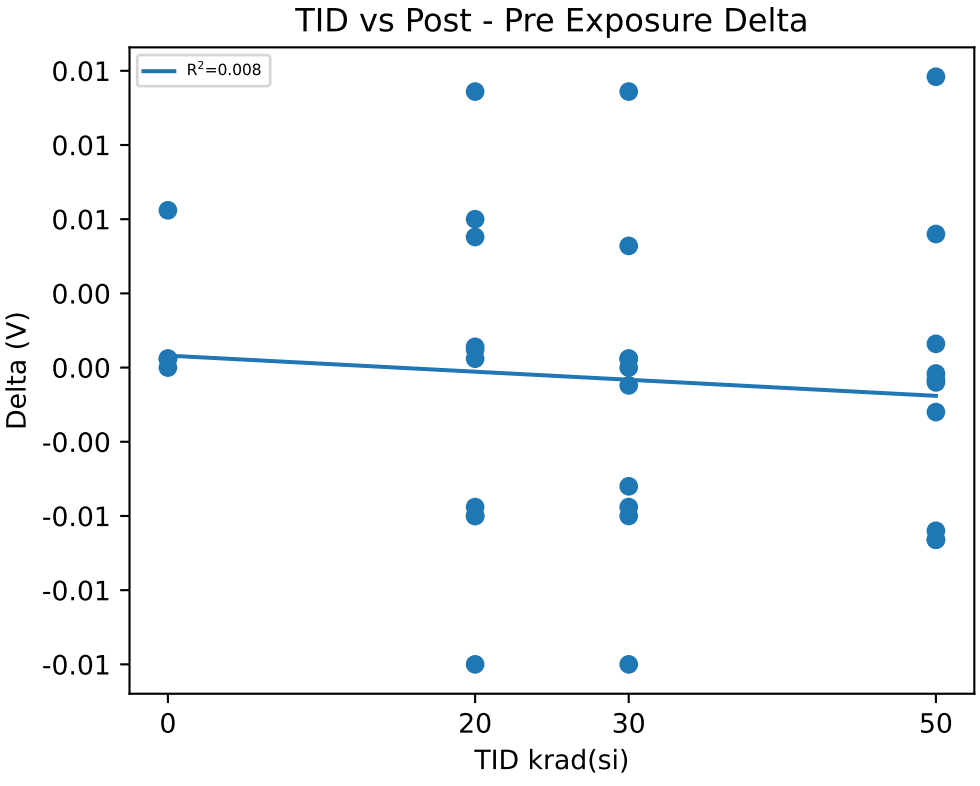
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
41	0	CORRELATION	6.1538	6.1535	-0.0003
42	0	CORRELATION	6.1387	6.1391	0.0004
43	0	CORRELATION	6.1188	6.1185	-0.0003
45	0	CORRELATION	6.104	6.1037	-0.0003
71	20	LDR BIAS	6.1341	6.1238	-0.0103
72	20	LDR BIAS	6.1394	6.1341	-0.0053
73	20	LDR BIAS	6.1235	6.1238	0.0003
74	20	LDR BIAS	6.1244	6.124	-0.0004
75	20	LDR BIAS	6.1288	6.1191	-0.0097
76	20	LDR UNBIAS	6.1291	6.1187	-0.0104
77	20	LDR UNBIAS	6.1088	6.1038	-0.005
78	20	LDR UNBIAS	6.1037	6.1043	0.0006
79	20	LDR UNBIAS	6.1235	6.1241	0.0006
80	20	LDR UNBIAS	6.109	6.104	-0.005
81	30	LDR BIAS	6.1341	6.1194	-0.0147
82	30	LDR BIAS	6.1394	6.1291	-0.0103
83	30	LDR BIAS	6.1235	6.1238	0.0003
84	30	LDR BIAS	6.1244	6.1234	-0.001
85	30	LDR BIAS	6.1288	6.1141	-0.0147
86	30	LDR UNBIAS	6.1291	6.1291	0
87	30	LDR UNBIAS	6.1088	6.1038	-0.005
88	30	LDR UNBIAS	6.1037	6.104	0.0003
89	30	LDR UNBIAS	6.1235	6.1238	0.0003
90	30	LDR UNBIAS	6.109	6.0987	-0.0103
91	50	LDR BIAS	6.1341	6.119	-0.0151
92	50	LDR BIAS	6.1394	6.124	-0.0154
93	50	LDR BIAS	6.1235	6.119	-0.0045
94	50	LDR BIAS	6.1244	6.119	-0.0054
95	50	LDR BIAS	6.1288	6.104	-0.0248
96	50	LDR UNBIAS	6.1291	6.124	-0.0051
97	50	LDR UNBIAS	6.1088	6.0987	-0.0101
98	50	LDR UNBIAS	6.1037	6.0994	-0.0043
99	50	LDR UNBIAS	6.1235	6.119	-0.0045
100	50	LDR UNBIAS	6.109	6.0991	-0.0099

Test Statistics (V)

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	6.104	6.1288	6.1538	0.021894	6.1037	6.1287	6.1535	0.022002	-0.0003	-0.000125	0.0004	0.00035
20	6.1037	6.1224	6.1394	0.011702	6.1038	6.118	6.1341	0.010471	-0.0104	-0.00446	0.0006	0.0045763
30	6.1037	6.1224	6.1394	0.011702	6.0987	6.1169	6.1291	0.011148	-0.0147	-0.00551	0.0003	0.006386
50	6.1037	6.1224	6.1394	0.011702	6.0987	6.1125	6.124	0.010788	-0.0248	-0.00991	-0.0043	0.0067685

Device Test: 15.18 THRESHOLD|HYST/BP7L/10/8////@V_BP7L_TH_HYST





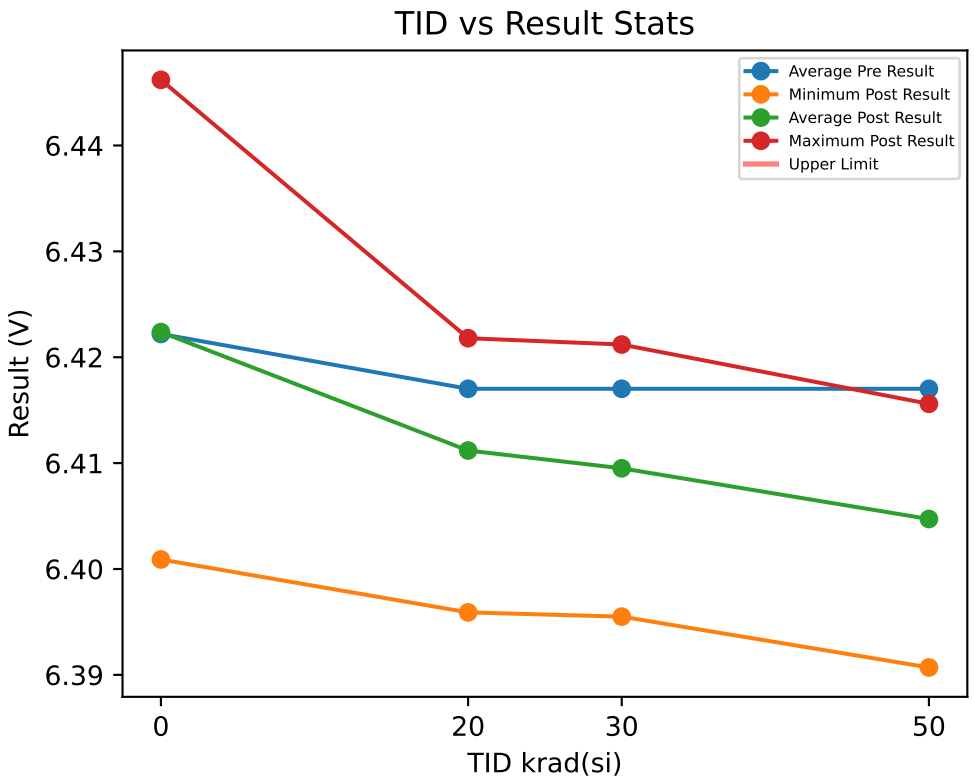
Test Results (No Limits Specified (V))

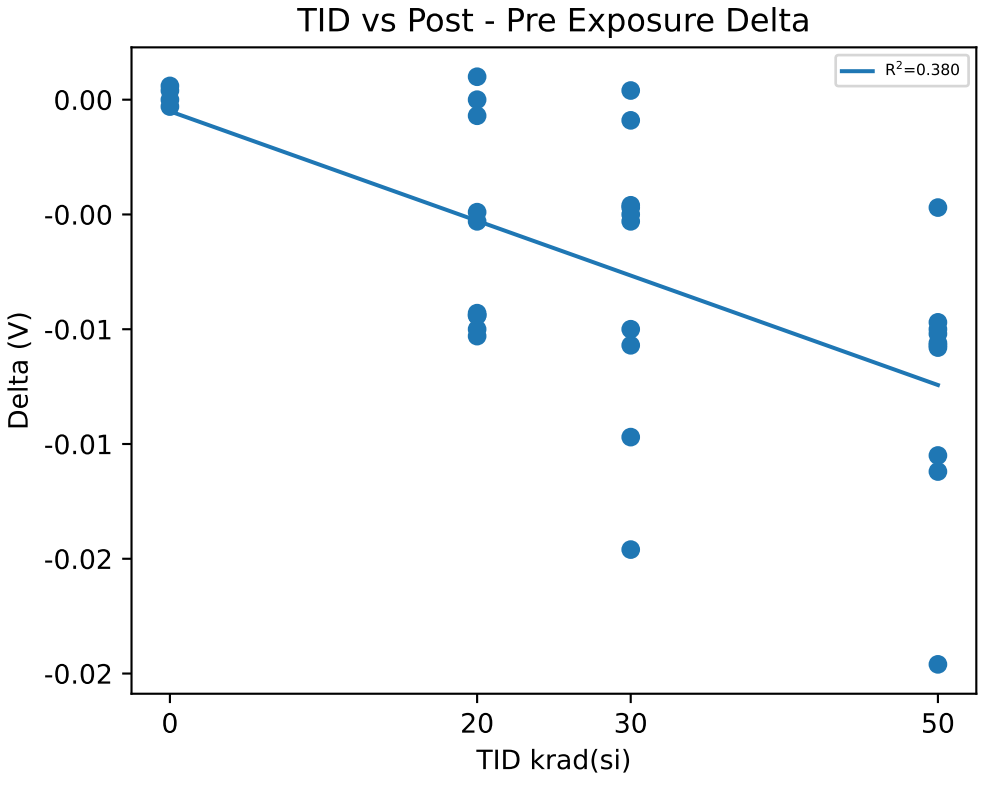
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
41	0	CORRELATION	0.2967	0.297	0.0003
42	0	CORRELATION	0.2918	0.2971	0.0053
43	0	CORRELATION	0.2917	0.292	0.0003
45	0	CORRELATION	0.2971	0.2971	0
71	20	LDR BIAS	0.2967	0.2974	0.0007
72	20	LDR BIAS	0.2915	0.2921	0.0006
73	20	LDR BIAS	0.2874	0.2967	0.0093
74	20	LDR BIAS	0.3015	0.2968	-0.0047
75	20	LDR BIAS	0.2917	0.2961	0.0044
76	20	LDR UNBIAS	0.2971	0.3021	0.005
77	20	LDR UNBIAS	0.3017	0.2967	-0.005
78	20	LDR UNBIAS	0.3018	0.2968	-0.005
79	20	LDR UNBIAS	0.2967	0.2867	-0.01
80	20	LDR UNBIAS	0.2965	0.2968	0.0003
81	30	LDR BIAS	0.2967	0.3008	0.0041
82	30	LDR BIAS	0.2915	0.2918	0.0003
83	30	LDR BIAS	0.2874	0.2967	0.0093
84	30	LDR BIAS	0.3015	0.2975	-0.004
85	30	LDR BIAS	0.2917	0.2911	-0.0006
86	30	LDR UNBIAS	0.2971	0.2971	0
87	30	LDR UNBIAS	0.3017	0.297	-0.0047
88	30	LDR UNBIAS	0.3018	0.2918	-0.01
89	30	LDR UNBIAS	0.2967	0.2917	-0.005
90	30	LDR UNBIAS	0.2965	0.2968	0.0003
91	50	LDR BIAS	0.2967	0.2975	0.0008
92	50	LDR BIAS	0.2915	0.296	0.0045
93	50	LDR BIAS	0.2874	0.2972	0.0098
94	50	LDR BIAS	0.3015	0.296	-0.0055
95	50	LDR BIAS	0.2917	0.2913	-0.0004
96	50	LDR UNBIAS	0.2971	0.2956	-0.0015
97	50	LDR UNBIAS	0.3017	0.3012	-0.0005
98	50	LDR UNBIAS	0.3018	0.296	-0.0058
99	50	LDR UNBIAS	0.2967	0.2909	-0.0058
100	50	LDR UNBIAS	0.2965	0.2963	-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	0.2917	0.29433	0.2971	0.0029781	0.292	0.2958	0.2971	0.0025338	0	0.001475	0.0053	0.0025539
20	0.2874	0.29626	0.3018	0.0048402	0.2867	0.29582	0.3021	0.0039924	-0.01	-0.00044	0.0093	0.0057922
30	0.2874	0.29626	0.3018	0.0048402	0.2911	0.29523	0.3008	0.0033413	-0.01	-0.00103	0.0093	0.0053367
50	0.2874	0.29626	0.3018	0.0048402	0.2909	0.2958	0.3012	0.0029567	-0.0058	-0.00046	0.0098	0.0048881

Device Test: 15.19 THRESHOLD|RISE/BP7L/12/10////@V_BP7L_TH_RISE





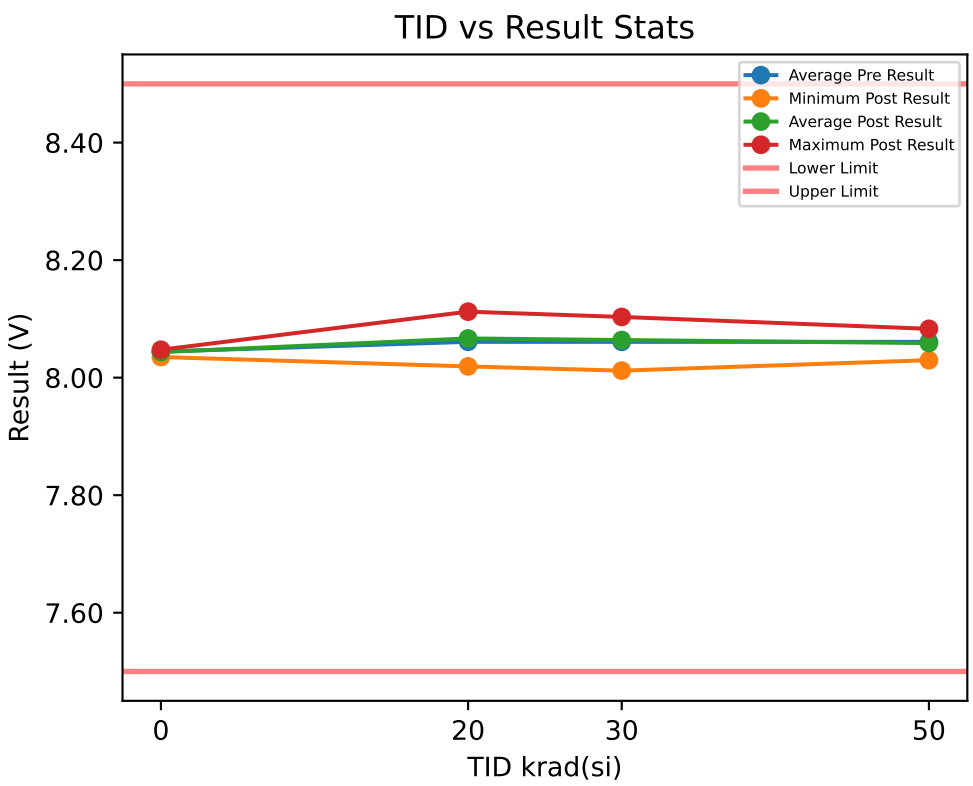
Test Results (No Limits Specified (V))

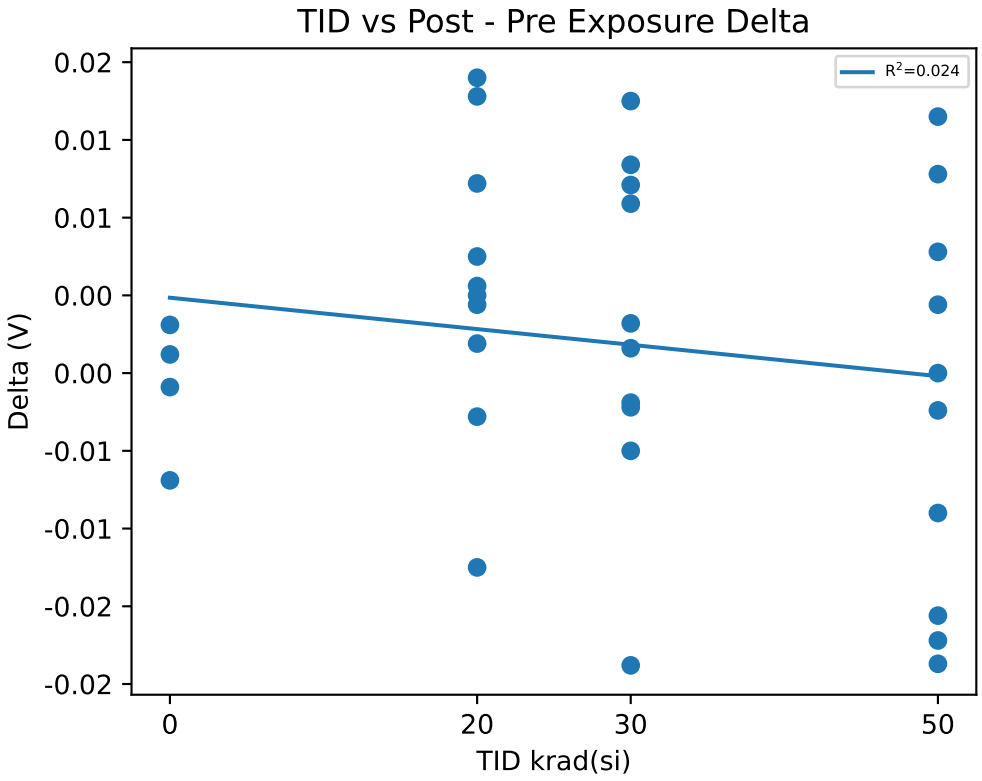
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
41	0	CORRELATION	6.4458	6.4462	0.0004
42	0	CORRELATION	6.4312	6.4312	0
43	0	CORRELATION	6.4106	6.4112	0.0006
45	0	CORRELATION	6.4012	6.4009	-0.0003
71	20	LDR BIAS	6.4262	6.4162	-0.01
72	20	LDR BIAS	6.4312	6.4218	-0.0094
73	20	LDR BIAS	6.4155	6.4165	0.001
74	20	LDR BIAS	6.4218	6.4218	0
75	20	LDR BIAS	6.4205	6.4112	-0.0093
76	20	LDR UNBIAS	6.4262	6.4168	-0.0094
77	20	LDR UNBIAS	6.4059	6.4006	-0.0053
78	20	LDR UNBIAS	6.4012	6.4005	-0.0007
79	20	LDR UNBIAS	6.4155	6.4106	-0.0049
80	20	LDR UNBIAS	6.4062	6.3959	-0.0103
81	30	LDR BIAS	6.4262	6.4162	-0.01
82	30	LDR BIAS	6.4312	6.4165	-0.0147
83	30	LDR BIAS	6.4155	6.4159	0.0004
84	30	LDR BIAS	6.4218	6.4209	-0.0009
85	30	LDR BIAS	6.4205	6.4009	-0.0196
86	30	LDR UNBIAS	6.4262	6.4212	-0.005
87	30	LDR UNBIAS	6.4059	6.4012	-0.0047
88	30	LDR UNBIAS	6.4012	6.3959	-0.0053
89	30	LDR UNBIAS	6.4155	6.4109	-0.0046
90	30	LDR UNBIAS	6.4062	6.3955	-0.0107
91	50	LDR BIAS	6.4262	6.4155	-0.0107
92	50	LDR BIAS	6.4312	6.415	-0.0162
93	50	LDR BIAS	6.4155	6.4108	-0.0047
94	50	LDR BIAS	6.4218	6.411	-0.0108
95	50	LDR BIAS	6.4205	6.3959	-0.0246
96	50	LDR UNBIAS	6.4262	6.4156	-0.0106
97	50	LDR UNBIAS	6.4059	6.3962	-0.0097
98	50	LDR UNBIAS	6.4012	6.391	-0.0102
99	50	LDR UNBIAS	6.4155	6.4055	-0.01
100	50	LDR UNBIAS	6.4062	6.3907	-0.0155

Test Statistics (V)

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	6.4012	6.4222	6.4458	0.020112	6.4009	6.4224	6.4462	0.020261	-0.0003	0.000175	0.0006	0.00040311
20	6.4012	6.417	6.4312	0.010001	6.3959	6.4112	6.4218	0.0092524	-0.0103	-0.00583	0.001	0.0045093
30	6.4012	6.417	6.4312	0.010001	6.3955	6.4095	6.4212	0.010151	-0.0196	-0.00751	0.0004	0.0062187
50	6.4012	6.417	6.4312	0.010001	6.3907	6.4047	6.4156	0.010287	-0.0246	-0.0123	-0.0047	0.005361

Device Test: 15.2 THRESHOLD|FALL/VIN//10////@V_IN_TH_FALL





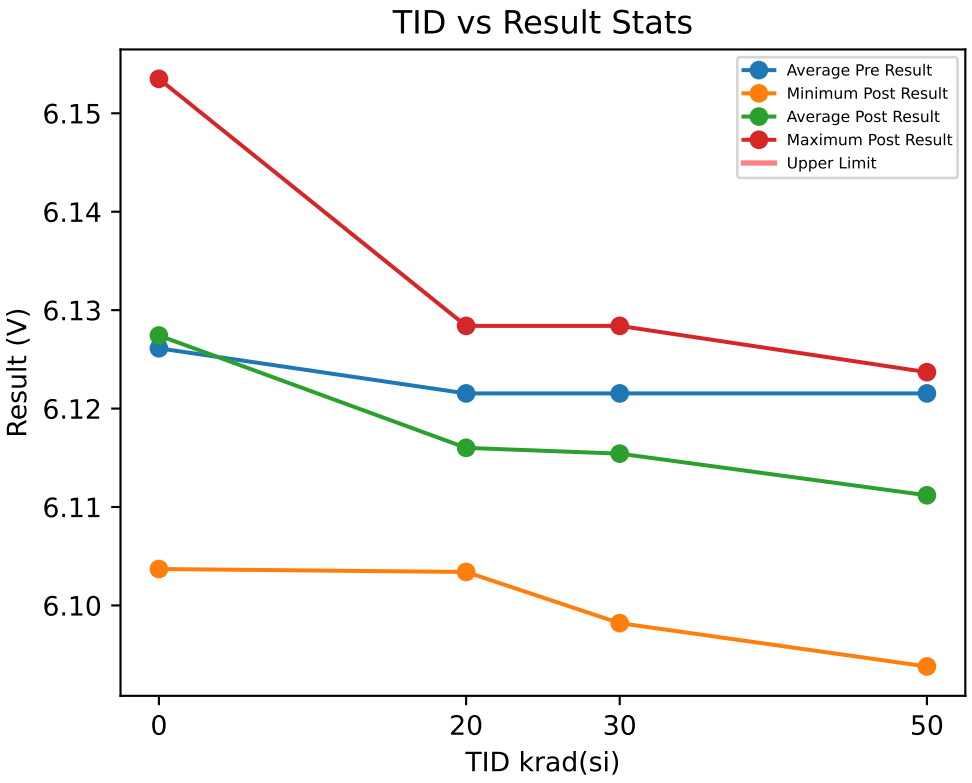
Test Results (Lower Limit = 7.5, Upper Limit = 8.5 (V))

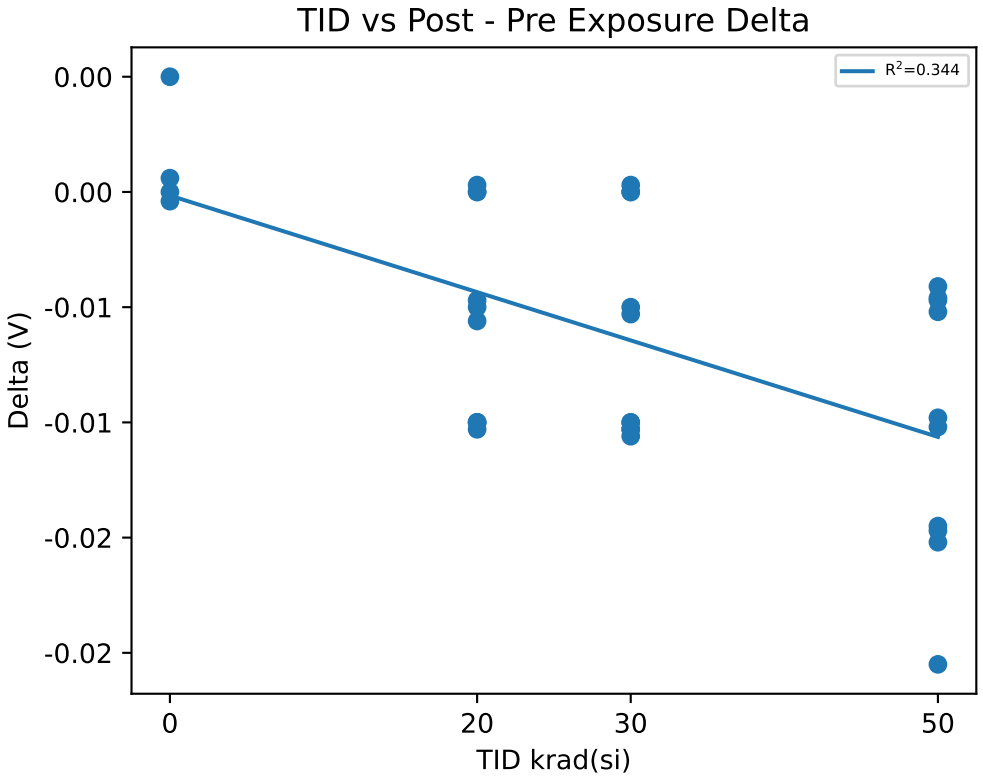
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
41	0	CORRELATION	8.0528	8.0459	-0.0069
42	0	CORRELATION	8.036	8.0351	-0.0009
43	0	CORRELATION	8.0444	8.0475	0.0031
45	0	CORRELATION	8.0442	8.0454	0.0012
71	20	LDR BIAS	8.0453	8.0509	0.0056
72	20	LDR BIAS	8.0917	8.0889	-0.0028
73	20	LDR BIAS	8.0141	8.0191	0.005
74	20	LDR BIAS	8.1001	8.1123	0.0122
75	20	LDR BIAS	8.0222	8.0241	0.0019
76	20	LDR UNBIAS	8.0732	8.0776	0.0044
77	20	LDR UNBIAS	8.0787	8.0662	-0.0125
78	20	LDR UNBIAS	8.0329	8.0507	0.0178
79	20	LDR UNBIAS	8.0694	8.0884	0.019
80	20	LDR UNBIAS	8.0817	8.0892	0.0075
81	30	LDR BIAS	8.0453	8.0434	-0.0019
82	30	LDR BIAS	8.0917	8.0729	-0.0188
83	30	LDR BIAS	8.0141	8.0119	-0.0022
84	30	LDR BIAS	8.1001	8.1033	0.0032
85	30	LDR BIAS	8.0222	8.0356	0.0134
86	30	LDR UNBIAS	8.0732	8.0682	-0.005
87	30	LDR UNBIAS	8.0787	8.0803	0.0016
88	30	LDR UNBIAS	8.0329	8.0504	0.0175
89	30	LDR UNBIAS	8.0694	8.0815	0.0121
90	30	LDR UNBIAS	8.0817	8.0926	0.0109
91	50	LDR BIAS	8.0453	8.0297	-0.0156
92	50	LDR BIAS	8.0917	8.0745	-0.0172
93	50	LDR BIAS	8.0141	8.0306	0.0165
94	50	LDR BIAS	8.1001	8.0814	-0.0187
95	50	LDR BIAS	8.0222	8.035	0.0128
96	50	LDR UNBIAS	8.0732	8.0642	-0.009
97	50	LDR UNBIAS	8.0787	8.0831	0.0044
98	50	LDR UNBIAS	8.0329	8.0305	-0.0024
99	50	LDR UNBIAS	8.0694	8.0772	0.0078
100	50	LDR UNBIAS	8.0817	8.0817	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	8.036	8.0443	8.0528	0.0068593	8.0351	8.0435	8.0475	0.0056547	-0.0069	-0.000875	0.0031	0.0043362
20	8.0141	8.0609	8.1001	0.030136	8.0191	8.0667	8.1123	0.030285	-0.0125	0.00581	0.019	0.0093618
30	8.0141	8.0609	8.1001	0.030136	8.0119	8.064	8.1033	0.028209	-0.0188	0.00308	0.0175	0.010831
50	8.0141	8.0609	8.1001	0.030136	8.0297	8.0588	8.0831	0.024151	-0.0187	-0.00214	0.0165	0.012676

Device Test: 15.20 THRESHOLD|FALL/BP7L/12/10////@V_BP7L_TH_FALL





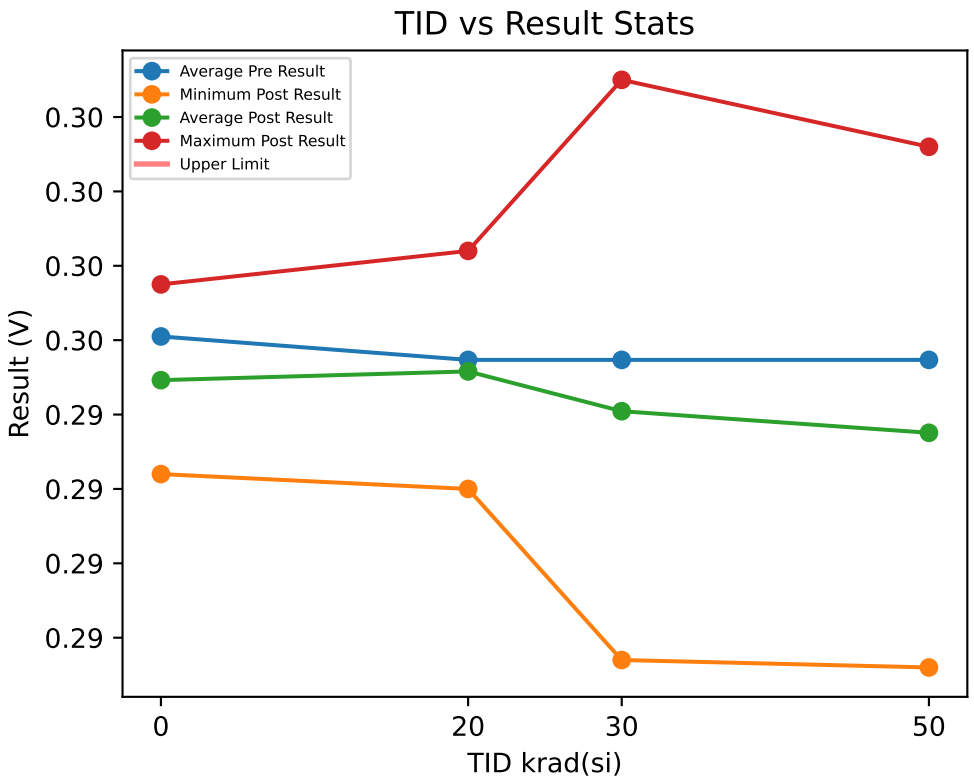
Test Results (No Limits Specified (V))

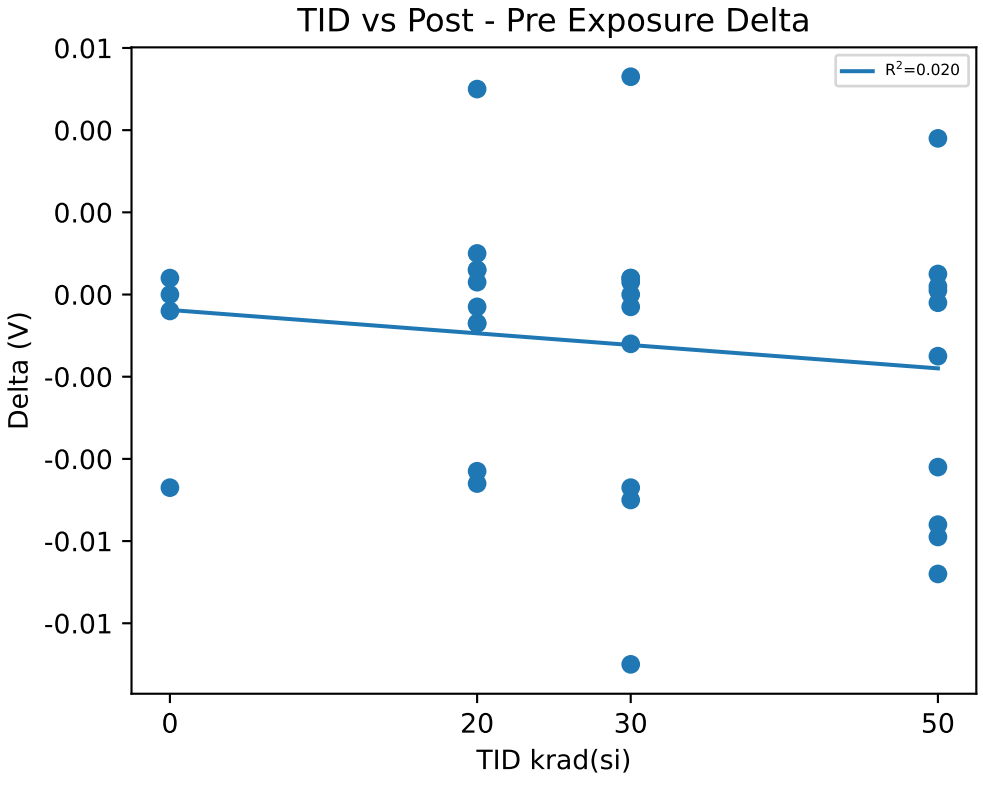
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
41	0	CORRELATION	6.1485	6.1535	0.005
42	0	CORRELATION	6.1341	6.1337	-0.0004
43	0	CORRELATION	6.1182	6.1188	0.0006
45	0	CORRELATION	6.1037	6.1037	0
71	20	LDR BIAS	6.1288	6.1185	-0.0103
72	20	LDR BIAS	6.1384	6.1284	-0.01
73	20	LDR BIAS	6.1235	6.1235	0
74	20	LDR BIAS	6.1231	6.1234	0.0003
75	20	LDR BIAS	6.1238	6.1188	-0.005
76	20	LDR UNBIAS	6.1284	6.1184	-0.01
77	20	LDR UNBIAS	6.1082	6.1035	-0.0047
78	20	LDR UNBIAS	6.1037	6.1037	0
79	20	LDR UNBIAS	6.1285	6.1185	-0.01
80	20	LDR UNBIAS	6.109	6.1034	-0.0056
81	30	LDR BIAS	6.1288	6.1185	-0.0103
82	30	LDR BIAS	6.1384	6.1284	-0.01
83	30	LDR BIAS	6.1235	6.1235	0
84	30	LDR BIAS	6.1231	6.1234	0.0003
85	30	LDR BIAS	6.1238	6.1132	-0.0106
86	30	LDR UNBIAS	6.1284	6.1284	0
87	30	LDR UNBIAS	6.1082	6.0982	-0.01
88	30	LDR UNBIAS	6.1037	6.0984	-0.0053
89	30	LDR UNBIAS	6.1285	6.1235	-0.005
90	30	LDR UNBIAS	6.109	6.0987	-0.0103
91	50	LDR BIAS	6.1288	6.1143	-0.0145
92	50	LDR BIAS	6.1384	6.1237	-0.0147
93	50	LDR BIAS	6.1235	6.1183	-0.0052
94	50	LDR BIAS	6.1231	6.119	-0.0041
95	50	LDR BIAS	6.1238	6.1033	-0.0205
96	50	LDR UNBIAS	6.1284	6.1237	-0.0047
97	50	LDR UNBIAS	6.1082	6.0984	-0.0098
98	50	LDR UNBIAS	6.1037	6.0991	-0.0046
99	50	LDR UNBIAS	6.1285	6.1183	-0.0102
100	50	LDR UNBIAS	6.109	6.0938	-0.0152

Test Statistics (V)

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	6.1037	6.1261	6.1485	0.019407	6.1037	6.1274	6.1535	0.021265	-0.0004	0.0013	0.005	0.0025007
20	6.1037	6.1215	6.1384	0.011042	6.1034	6.116	6.1284	0.0091722	-0.0103	-0.00553	0.0003	0.0044575
30	6.1037	6.1215	6.1384	0.011042	6.0982	6.1154	6.1284	0.012523	-0.0106	-0.00612	0.0003	0.0047513
50	6.1037	6.1215	6.1384	0.011042	6.0938	6.1112	6.1237	0.011349	-0.0205	-0.01035	-0.0041	0.0057114

Device Test: 15.21 THRESHOLD|HYST/BP7L/12/10////@V_BP7L_TH_HYST





Test Results (No Limits Specified (V))

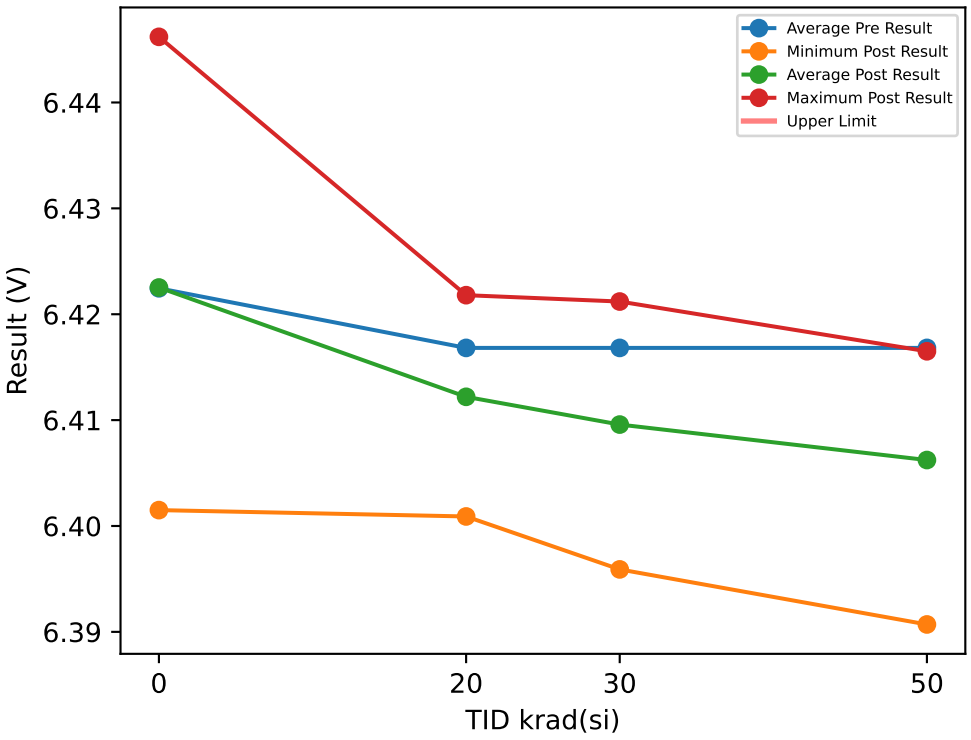
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
41	0	CORRELATION	0.2974	0.2927	-0.0047
42	0	CORRELATION	0.2971	0.2975	0.0004
43	0	CORRELATION	0.2924	0.2924	0
45	0	CORRELATION	0.2975	0.2971	-0.0004
71	20	LDR BIAS	0.2974	0.2977	0.0003
72	20	LDR BIAS	0.2928	0.2934	0.0006
73	20	LDR BIAS	0.292	0.293	0.001
74	20	LDR BIAS	0.2987	0.2984	-0.0003
75	20	LDR BIAS	0.2967	0.2924	-0.0043
76	20	LDR UNBIAS	0.2978	0.2984	0.0006
77	20	LDR UNBIAS	0.2977	0.297	-0.0007
78	20	LDR UNBIAS	0.2975	0.2968	-0.0007
79	20	LDR UNBIAS	0.287	0.292	0.005
80	20	LDR UNBIAS	0.2971	0.2925	-0.0046
81	30	LDR BIAS	0.2974	0.2977	0.0003
82	30	LDR BIAS	0.2928	0.2881	-0.0047
83	30	LDR BIAS	0.292	0.2924	0.0004
84	30	LDR BIAS	0.2987	0.2975	-0.0012
85	30	LDR BIAS	0.2967	0.2877	-0.009
86	30	LDR UNBIAS	0.2978	0.2928	-0.005
87	30	LDR UNBIAS	0.2977	0.303	0.0053
88	30	LDR UNBIAS	0.2975	0.2975	0
89	30	LDR UNBIAS	0.287	0.2874	0.0004
90	30	LDR UNBIAS	0.2971	0.2968	-0.0003
91	50	LDR BIAS	0.2974	0.3012	0.0038
92	50	LDR BIAS	0.2928	0.2913	-0.0015
93	50	LDR BIAS	0.292	0.2925	0.0005
94	50	LDR BIAS	0.2987	0.2919	-0.0068
95	50	LDR BIAS	0.2967	0.2925	-0.0042
96	50	LDR UNBIAS	0.2978	0.2919	-0.0059
97	50	LDR UNBIAS	0.2977	0.2978	0.0001
98	50	LDR UNBIAS	0.2975	0.2919	-0.0056
99	50	LDR UNBIAS	0.287	0.2872	0.0002
100	50	LDR UNBIAS	0.2971	0.2969	-0.0002

Test Statistics (V)

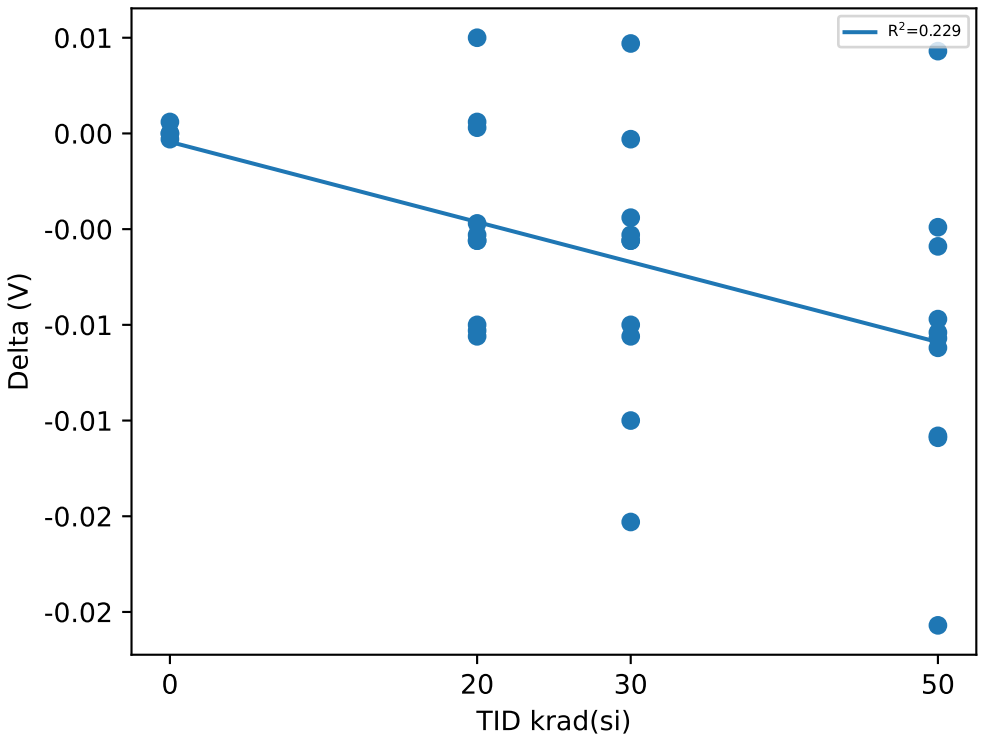
krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	0.2924	0.2961	0.2975	0.0024725	0.2924	0.29492	0.2975	0.00275	-0.0047	-0.001175	0.0004	0.0023726
20	0.287	0.29547	0.2987	0.0037083	0.292	0.29516	0.2984	0.0027073	-0.0046	-0.00031	0.005	0.0027197
30	0.287	0.29547	0.2987	0.0037083	0.2874	0.29409	0.303	0.00526	-0.009	-0.00138	0.0053	0.003931
50	0.287	0.29547	0.2987	0.0037083	0.2872	0.29351	0.3012	0.0039937	-0.0068	-0.00196	0.0038	0.0034747

Device Test: 15.22 THRESHOLD|RISE/BP7L/14/14////@V_BP7L_TH_RISE

TID vs Result Stats



TID vs Post - Pre Exposure Delta



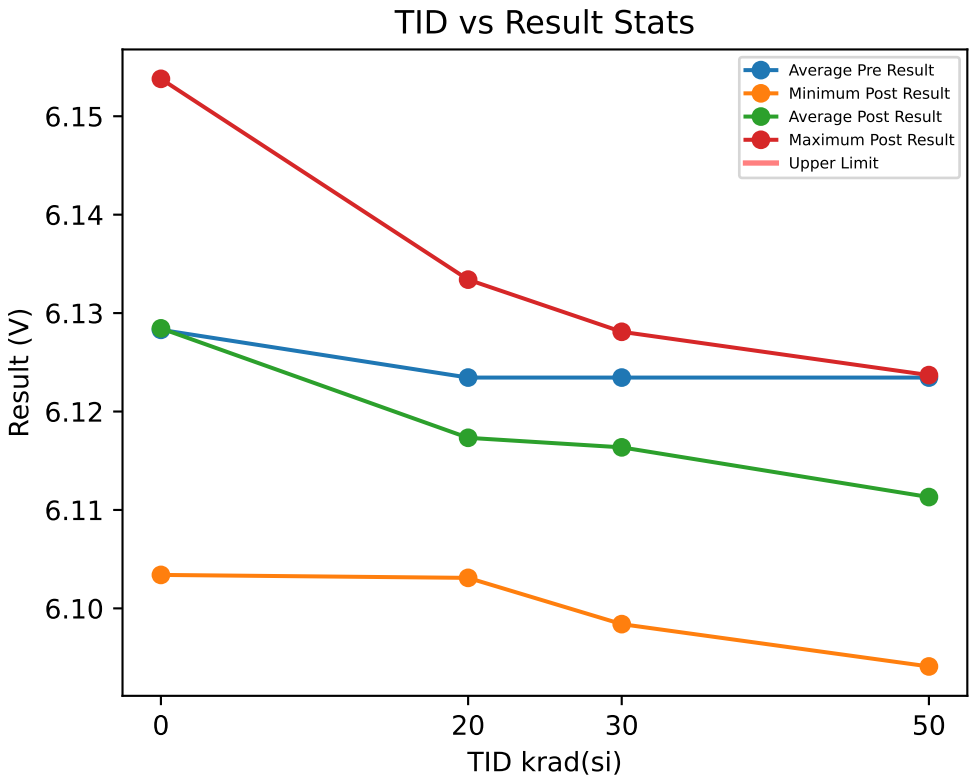
Test Results (No Limits Specified (V))

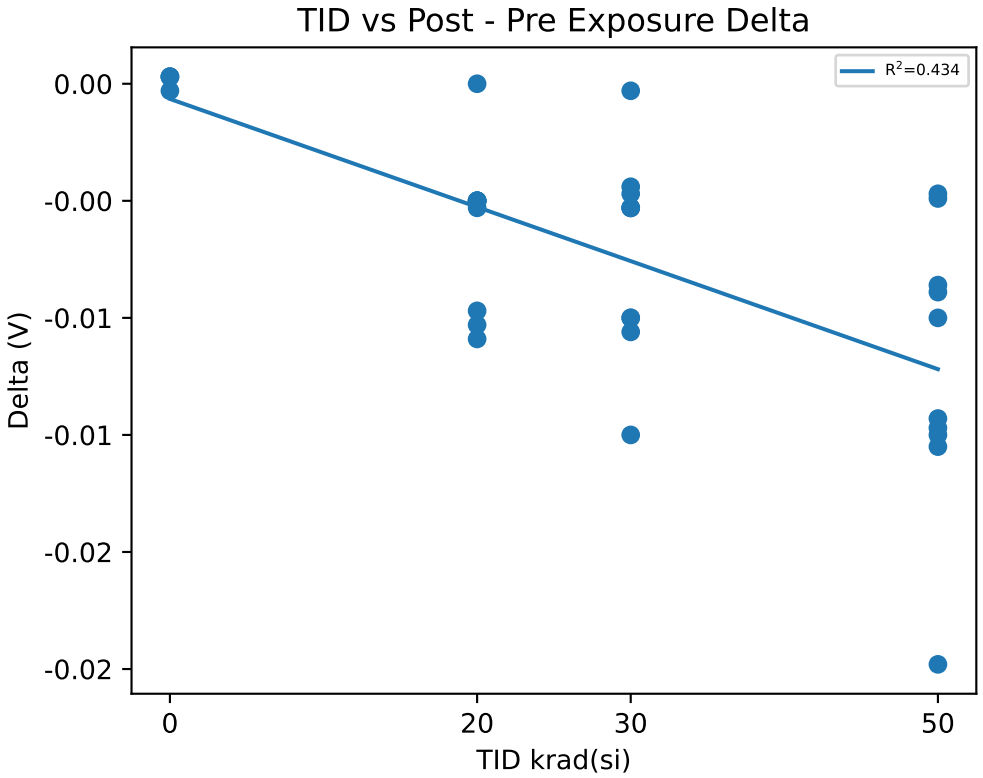
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
41	0	CORRELATION	6.4465	6.4462	-0.0003
42	0	CORRELATION	6.4312	6.4312	0
43	0	CORRELATION	6.4112	6.4112	0
45	0	CORRELATION	6.4009	6.4015	0.0006
71	20	LDR BIAS	6.4262	6.4215	-0.0047
72	20	LDR BIAS	6.4315	6.4212	-0.0103
73	20	LDR BIAS	6.4112	6.4162	0.005
74	20	LDR BIAS	6.4215	6.4218	0.0003
75	20	LDR BIAS	6.4212	6.4112	-0.01
76	20	LDR UNBIAS	6.4268	6.4162	-0.0106
77	20	LDR UNBIAS	6.4062	6.4009	-0.0053
78	20	LDR UNBIAS	6.4009	6.4015	0.0006
79	20	LDR UNBIAS	6.4162	6.4106	-0.0056
80	20	LDR UNBIAS	6.4065	6.4009	-0.0056
81	30	LDR BIAS	6.4262	6.4162	-0.01
82	30	LDR BIAS	6.4315	6.4165	-0.015
83	30	LDR BIAS	6.4112	6.4159	0.0047
84	30	LDR BIAS	6.4215	6.4212	-0.0003
85	30	LDR BIAS	6.4212	6.4009	-0.0203
86	30	LDR UNBIAS	6.4268	6.4212	-0.0056
87	30	LDR UNBIAS	6.4062	6.4006	-0.0056
88	30	LDR UNBIAS	6.4009	6.3965	-0.0044
89	30	LDR UNBIAS	6.4162	6.4109	-0.0053
90	30	LDR UNBIAS	6.4065	6.3959	-0.0106
91	50	LDR BIAS	6.4262	6.4165	-0.0097
92	50	LDR BIAS	6.4315	6.4156	-0.0159
93	50	LDR BIAS	6.4112	6.4155	0.0043
94	50	LDR BIAS	6.4215	6.4156	-0.0059
95	50	LDR BIAS	6.4212	6.3955	-0.0257
96	50	LDR UNBIAS	6.4268	6.4156	-0.0112
97	50	LDR UNBIAS	6.4062	6.3955	-0.0107
98	50	LDR UNBIAS	6.4009	6.396	-0.0049
99	50	LDR UNBIAS	6.4162	6.4058	-0.0104
100	50	LDR UNBIAS	6.4065	6.3907	-0.0158

Test Statistics (V)

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	6.4009	6.4224	6.4465	0.020379	6.4015	6.4225	6.4462	0.02005	-0.0003	7.5e-05	0.0006	0.00037749
20	6.4009	6.4168	6.4315	0.010268	6.4009	6.4122	6.4218	0.0085964	-0.0106	-0.00462	0.005	0.0052
30	6.4009	6.4168	6.4315	0.010268	6.3959	6.4096	6.4212	0.010098	-0.0203	-0.00724	0.0047	0.0071307
50	6.4009	6.4168	6.4315	0.010268	6.3907	6.4062	6.4165	0.010703	-0.0257	-0.01059	0.0043	0.0078948

Device Test: 15.23 THRESHOLD|FALL/BP7L/14/14////@V_BP7L_TH_FALL





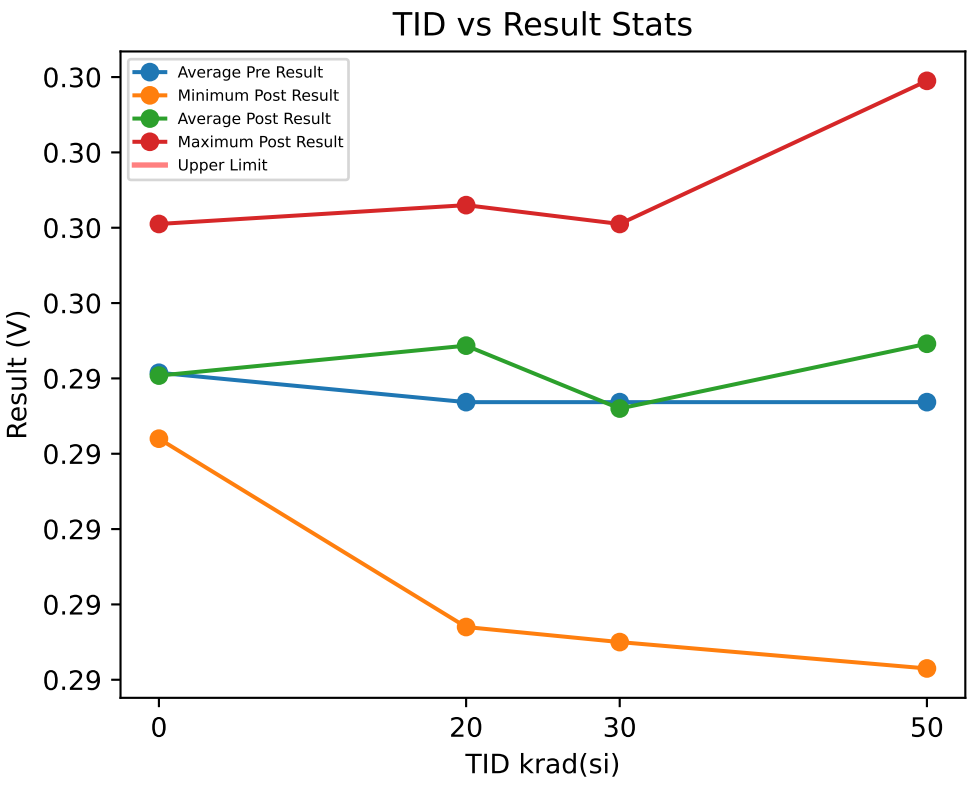
Test Results (No Limits Specified (V))

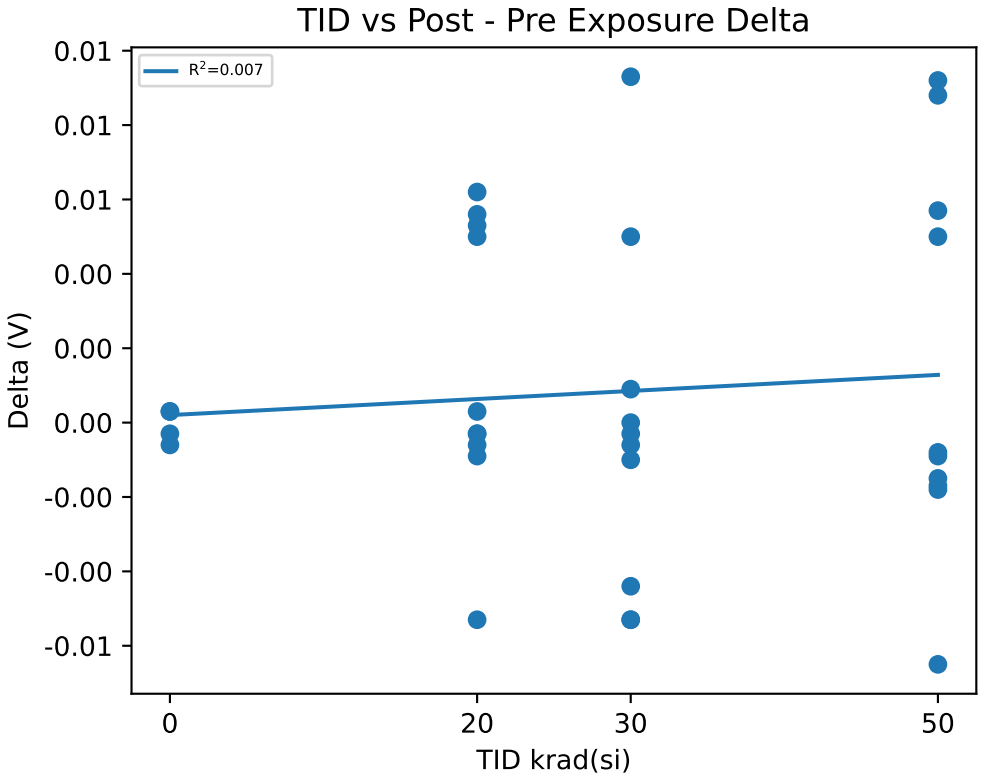
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
41	0	CORRELATION	6.1535	6.1538	0.0003
42	0	CORRELATION	6.1384	6.1381	-0.0003
43	0	CORRELATION	6.1182	6.1185	0.0003
45	0	CORRELATION	6.1031	6.1034	0.0003
71	20	LDR BIAS	6.1338	6.1229	-0.0109
72	20	LDR BIAS	6.1384	6.1334	-0.005
73	20	LDR BIAS	6.1235	6.1235	0
74	20	LDR BIAS	6.1284	6.1234	-0.005
75	20	LDR BIAS	6.1285	6.1182	-0.0103
76	20	LDR UNBIAS	6.1284	6.1187	-0.0097
77	20	LDR UNBIAS	6.1085	6.1035	-0.005
78	20	LDR UNBIAS	6.1084	6.1034	-0.005
79	20	LDR UNBIAS	6.1282	6.1232	-0.005
80	20	LDR UNBIAS	6.1084	6.1031	-0.0053
81	30	LDR BIAS	6.1338	6.1238	-0.01
82	30	LDR BIAS	6.1384	6.1278	-0.0106
83	30	LDR BIAS	6.1235	6.1188	-0.0047
84	30	LDR BIAS	6.1284	6.1231	-0.0053
85	30	LDR BIAS	6.1285	6.1135	-0.015
86	30	LDR UNBIAS	6.1284	6.1281	-0.0003
87	30	LDR UNBIAS	6.1085	6.1032	-0.0053
88	30	LDR UNBIAS	6.1084	6.1031	-0.0053
89	30	LDR UNBIAS	6.1282	6.1238	-0.0044
90	30	LDR UNBIAS	6.1084	6.0984	-0.01
91	50	LDR BIAS	6.1338	6.1183	-0.0155
92	50	LDR BIAS	6.1384	6.1234	-0.015
93	50	LDR BIAS	6.1235	6.1186	-0.0049
94	50	LDR BIAS	6.1284	6.1137	-0.0147
95	50	LDR BIAS	6.1285	6.1037	-0.0248
96	50	LDR UNBIAS	6.1284	6.1237	-0.0047
97	50	LDR UNBIAS	6.1085	6.0996	-0.0089
98	50	LDR UNBIAS	6.1084	6.0984	-0.01
99	50	LDR UNBIAS	6.1282	6.1196	-0.0086
100	50	LDR UNBIAS	6.1084	6.0941	-0.0143

Test Statistics (V)

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	6.1031	6.1283	6.1535	0.022167	6.1034	6.1284	6.1538	0.022078	-0.0003	0.00015	0.0003	0.0003
20	6.1084	6.1235	6.1384	0.011077	6.1031	6.1173	6.1334	0.010483	-0.0109	-0.00612	0	0.003292
30	6.1084	6.1235	6.1384	0.011077	6.0984	6.1164	6.1281	0.011108	-0.015	-0.00709	-0.0003	0.0042228
50	6.1084	6.1235	6.1384	0.011077	6.0941	6.1113	6.1237	0.011225	-0.0248	-0.01214	-0.0047	0.0060217

Device Test: 15.24 THRESHOLD|HYST/BP7L/14/14////@V_BP7L_TH_HYST





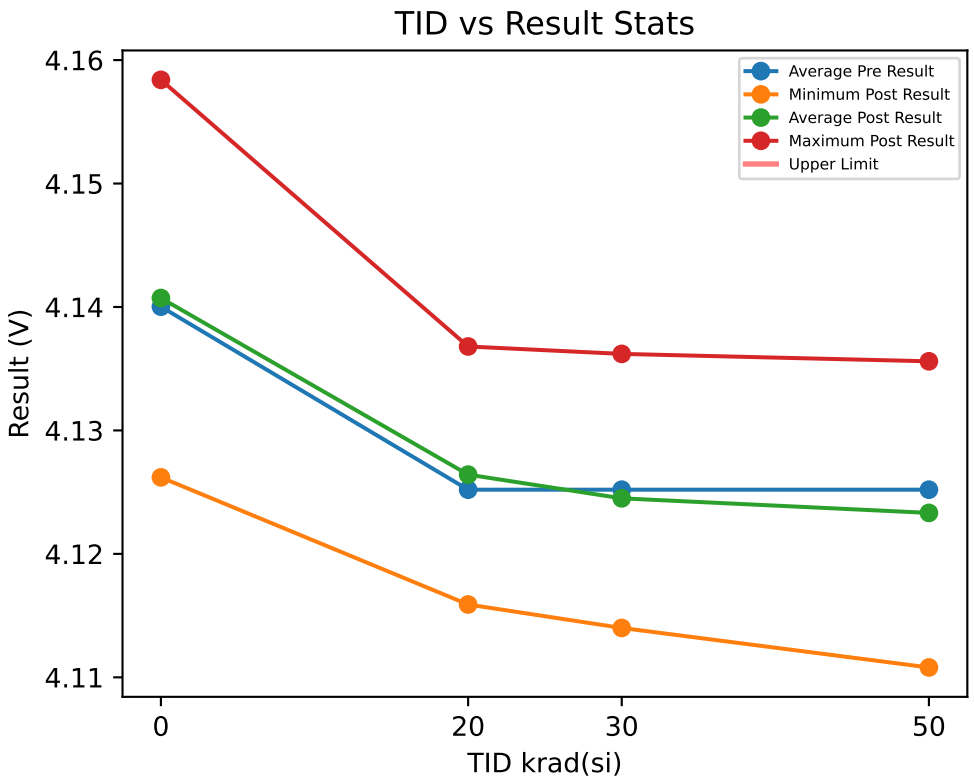
Test Results (No Limits Specified (V))

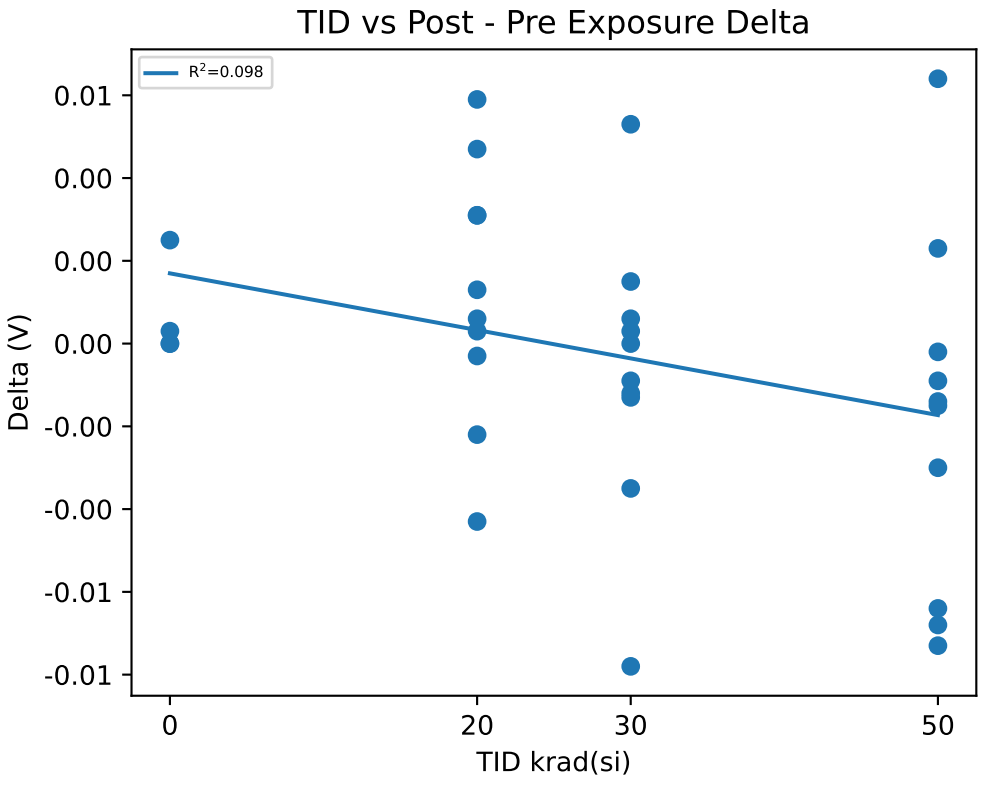
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
41	0	CORRELATION	0.293	0.2924	-0.0006
42	0	CORRELATION	0.2928	0.2931	0.0003
43	0	CORRELATION	0.293	0.2927	-0.0003
45	0	CORRELATION	0.2978	0.2981	0.0003
71	20	LDR BIAS	0.2924	0.2986	0.0062
72	20	LDR BIAS	0.2931	0.2878	-0.0053
73	20	LDR BIAS	0.2877	0.2927	0.005
74	20	LDR BIAS	0.2931	0.2984	0.0053
75	20	LDR BIAS	0.2927	0.293	0.0003
76	20	LDR UNBIAS	0.2984	0.2975	-0.0009
77	20	LDR UNBIAS	0.2977	0.2974	-0.0003
78	20	LDR UNBIAS	0.2925	0.2981	0.0056
79	20	LDR UNBIAS	0.288	0.2874	-0.0006
80	20	LDR UNBIAS	0.2981	0.2978	-0.0003
81	30	LDR BIAS	0.2924	0.2924	0
82	30	LDR BIAS	0.2931	0.2887	-0.0044
83	30	LDR BIAS	0.2877	0.297	0.0093
84	30	LDR BIAS	0.2931	0.2981	0.005
85	30	LDR BIAS	0.2927	0.2874	-0.0053
86	30	LDR UNBIAS	0.2984	0.2931	-0.0053
87	30	LDR UNBIAS	0.2977	0.2974	-0.0003
88	30	LDR UNBIAS	0.2925	0.2934	0.0009
89	30	LDR UNBIAS	0.288	0.287	-0.001
90	30	LDR UNBIAS	0.2981	0.2975	-0.0006
91	50	LDR BIAS	0.2924	0.2981	0.0057
92	50	LDR BIAS	0.2931	0.2922	-0.0009
93	50	LDR BIAS	0.2877	0.2969	0.0092
94	50	LDR BIAS	0.2931	0.3019	0.0088
95	50	LDR BIAS	0.2927	0.2919	-0.0008
96	50	LDR UNBIAS	0.2984	0.2919	-0.0065
97	50	LDR UNBIAS	0.2977	0.2959	-0.0018
98	50	LDR UNBIAS	0.2925	0.2975	0.005
99	50	LDR UNBIAS	0.288	0.2863	-0.0017
100	50	LDR UNBIAS	0.2981	0.2966	-0.0015

Test Statistics (V)

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	0.2928	0.29415	0.2978	0.0024352	0.2924	0.29407	0.2981	0.0026986	-0.0006	-7.5e-05	0.0003	0.00045
20	0.2877	0.29337	0.2984	0.0037962	0.2874	0.29487	0.2986	0.0043805	-0.0053	0.0015	0.0062	0.0037994
30	0.2877	0.29337	0.2984	0.0037962	0.287	0.2932	0.2981	0.0043153	-0.0053	-0.00017	0.0093	0.0045826
50	0.2877	0.29337	0.2984	0.0037962	0.2863	0.29492	0.3019	0.004386	-0.0065	0.00155	0.0092	0.0052454

Device Test: 15.25 THRESHOLD|RISE/BP5H/10/8////@V_BP5H_TH_RISE





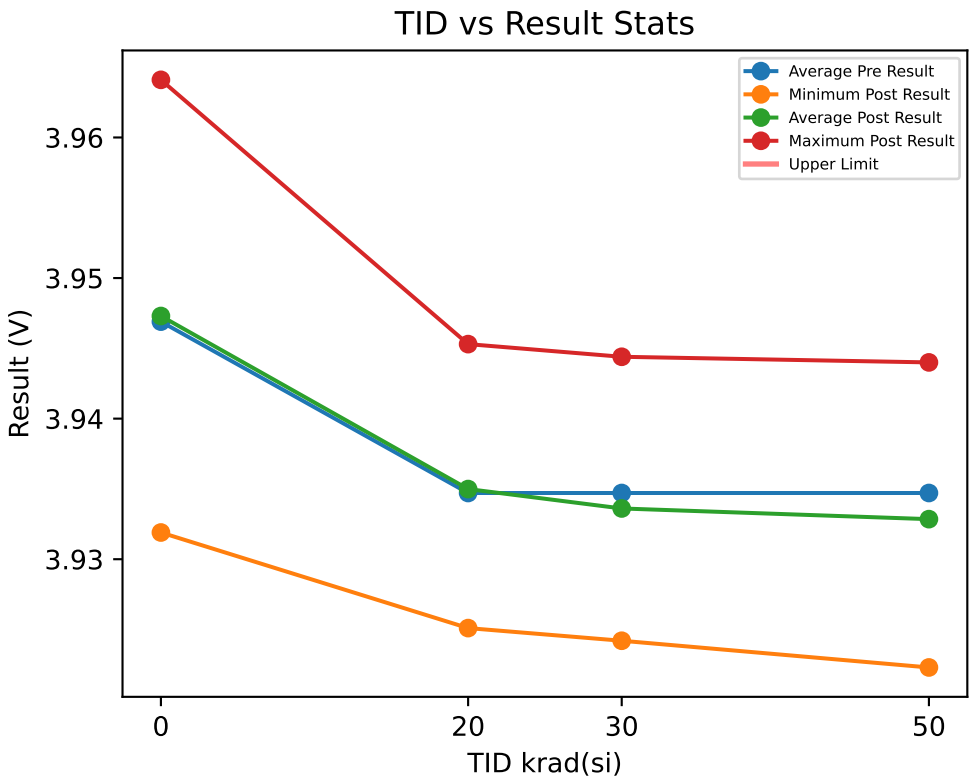
Test Results (No Limits Specified (V))

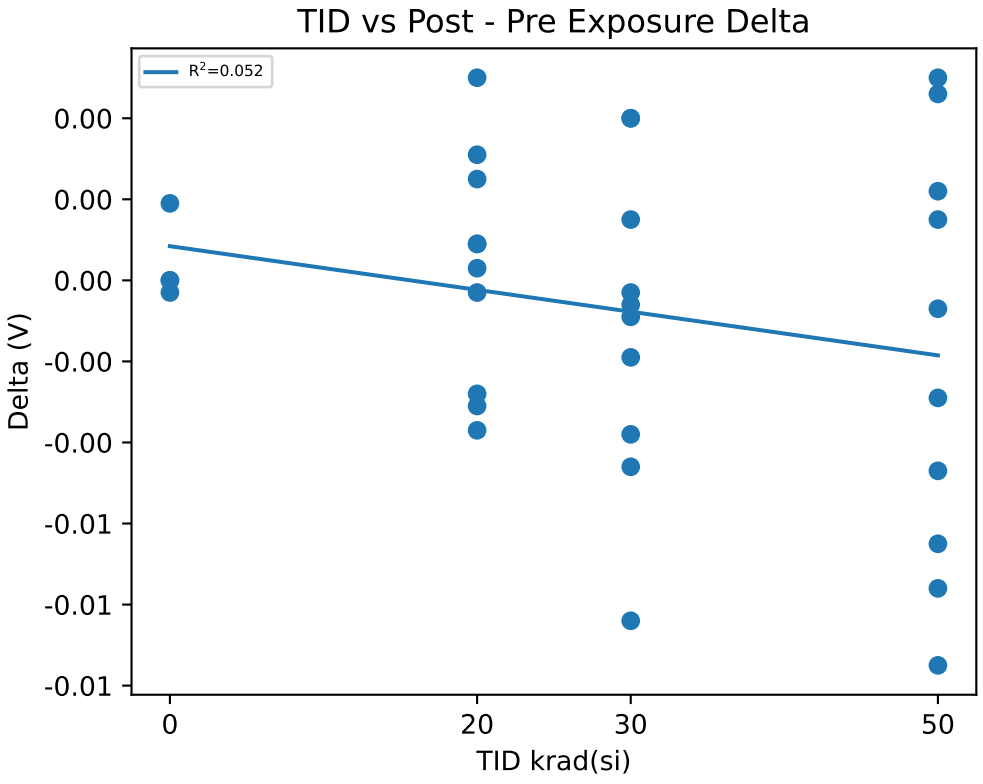
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
41	0	CORRELATION	4.1343	4.1343	0
42	0	CORRELATION	4.1415	4.144	0.0025
43	0	CORRELATION	4.1259	4.1262	0.0003
45	0	CORRELATION	4.1584	4.1584	0
71	20	LDR BIAS	4.1349	4.1306	-0.0043
72	20	LDR BIAS	4.1181	4.1159	-0.0022
73	20	LDR BIAS	4.1268	4.1274	0.0006
74	20	LDR BIAS	4.1237	4.1268	0.0031
75	20	LDR BIAS	4.129	4.1337	0.0047
76	20	LDR UNBIAS	4.1162	4.1175	0.0013
77	20	LDR UNBIAS	4.1312	4.1343	0.0031
78	20	LDR UNBIAS	4.1175	4.1178	0.0003
79	20	LDR UNBIAS	4.1371	4.1368	-0.0003
80	20	LDR UNBIAS	4.1175	4.1234	0.0059
81	30	LDR BIAS	4.1349	4.1271	-0.0078
82	30	LDR BIAS	4.1181	4.1168	-0.0013
83	30	LDR BIAS	4.1268	4.1268	0
84	30	LDR BIAS	4.1237	4.1225	-0.0012
85	30	LDR BIAS	4.129	4.1293	0.0003
86	30	LDR UNBIAS	4.1162	4.1215	0.0053
87	30	LDR UNBIAS	4.1312	4.1327	0.0015
88	30	LDR UNBIAS	4.1175	4.114	-0.0035
89	30	LDR UNBIAS	4.1371	4.1362	-0.0009
90	30	LDR UNBIAS	4.1175	4.1181	0.0006
91	50	LDR BIAS	4.1349	4.1281	-0.0068
92	50	LDR BIAS	4.1181	4.1108	-0.0073
93	50	LDR BIAS	4.1268	4.1238	-0.003
94	50	LDR BIAS	4.1237	4.1173	-0.0064
95	50	LDR BIAS	4.129	4.1288	-0.0002
96	50	LDR UNBIAS	4.1162	4.1226	0.0064
97	50	LDR UNBIAS	4.1312	4.1303	-0.0009
98	50	LDR UNBIAS	4.1175	4.1161	-0.0014
99	50	LDR UNBIAS	4.1371	4.1356	-0.0015
100	50	LDR UNBIAS	4.1175	4.1198	0.0023

Test Statistics (V)

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	4.1259	4.14	4.1584	0.01381	4.1262	4.1407	4.1584	0.013849	0	0.0007	0.0025	0.0012083
20	4.1162	4.1252	4.1371	0.0077527	4.1159	4.1264	4.1368	0.0075651	-0.0043	0.00122	0.0059	0.0031055
30	4.1162	4.1252	4.1371	0.0077527	4.114	4.1245	4.1362	0.0071703	-0.0078	-0.0007	0.0053	0.0033816
50	4.1162	4.1252	4.1371	0.0077527	4.1108	4.1233	4.1356	0.0075326	-0.0073	-0.00188	0.0064	0.0042877

Device Test: 15.26 THRESHOLD|FALL/BP5H/10/8////@V_BP5H_TH_FALL





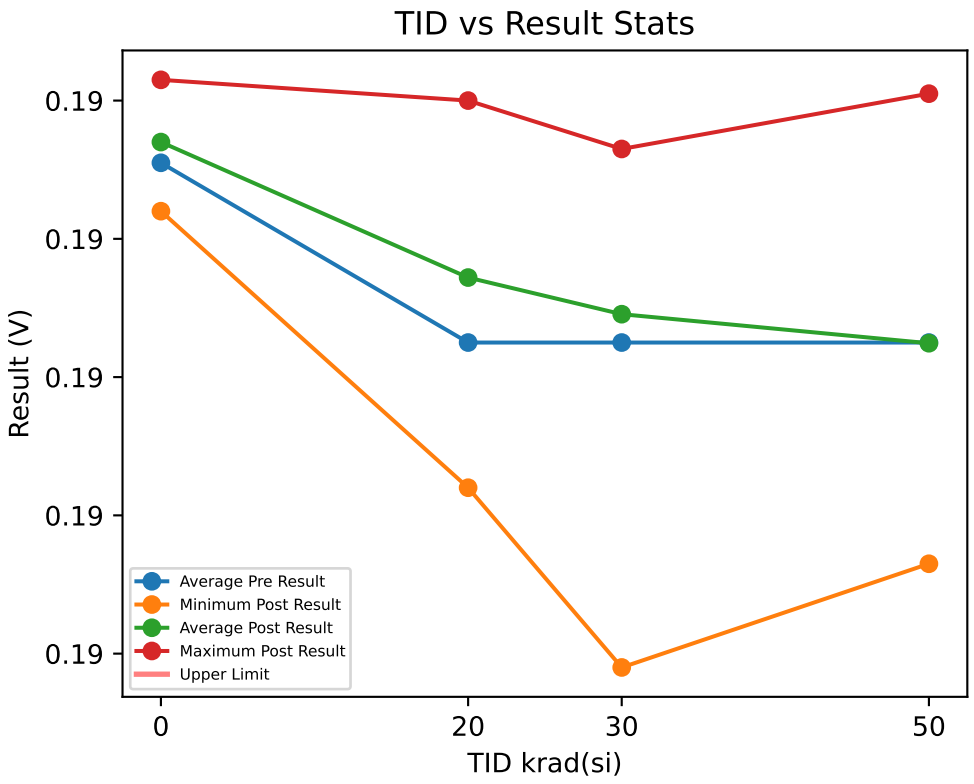
Test Results (No Limits Specified (V))

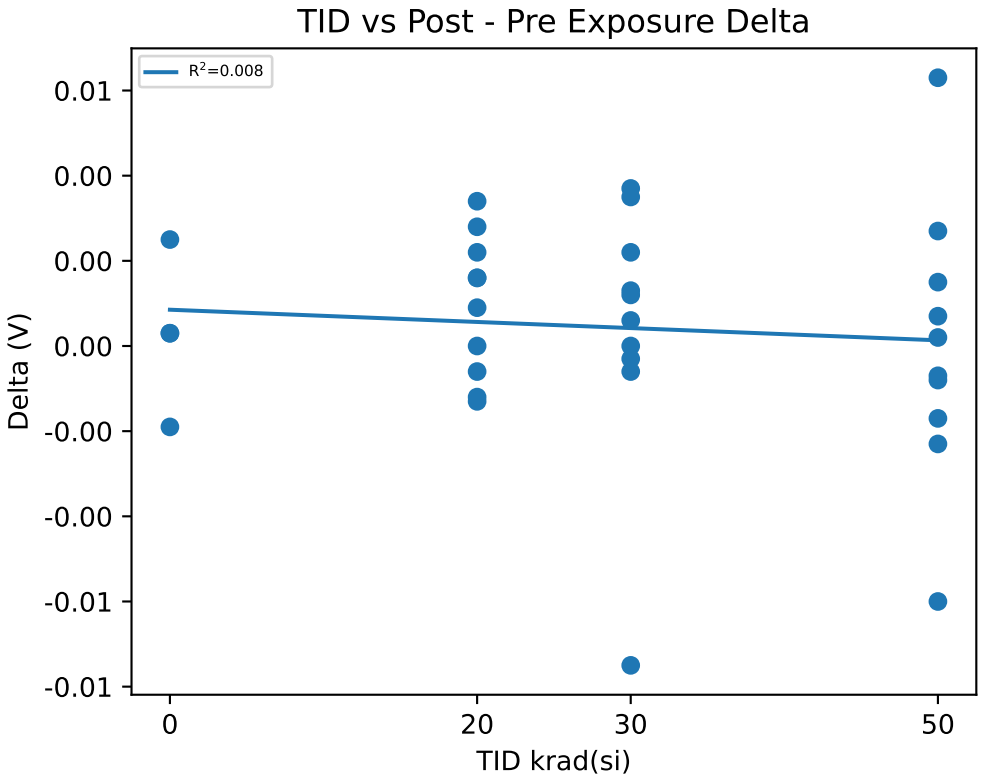
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
41	0	CORRELATION	3.94	3.9419	0.0019
42	0	CORRELATION	3.9513	3.9513	0
43	0	CORRELATION	3.9319	3.9319	0
45	0	CORRELATION	3.9644	3.9641	-0.0003
71	20	LDR BIAS	3.9447	3.9416	-0.0031
72	20	LDR BIAS	3.9288	3.9251	-0.0037
73	20	LDR BIAS	3.9391	3.9363	-0.0028
74	20	LDR BIAS	3.9338	3.9341	0.0003
75	20	LDR BIAS	3.9422	3.9453	0.0031
76	20	LDR UNBIAS	3.9248	3.9273	0.0025
77	20	LDR UNBIAS	3.9394	3.9403	0.0009
78	20	LDR UNBIAS	3.9242	3.9251	0.0009
79	20	LDR UNBIAS	3.9447	3.9444	-0.0003
80	20	LDR UNBIAS	3.9254	3.9304	0.005
81	30	LDR BIAS	3.9447	3.9363	-0.0084
82	30	LDR BIAS	3.9288	3.9242	-0.0046
83	30	LDR BIAS	3.9391	3.9353	-0.0038
84	30	LDR BIAS	3.9338	3.9329	-0.0009
85	30	LDR BIAS	3.9422	3.9403	-0.0019
86	30	LDR UNBIAS	3.9248	3.9288	0.004
87	30	LDR UNBIAS	3.9394	3.9409	0.0015
88	30	LDR UNBIAS	3.9242	3.9282	0.004
89	30	LDR UNBIAS	3.9447	3.9444	-0.0003
90	30	LDR UNBIAS	3.9254	3.9248	-0.0006
91	50	LDR BIAS	3.9447	3.9371	-0.0076
92	50	LDR BIAS	3.9288	3.9223	-0.0065
93	50	LDR BIAS	3.9391	3.9296	-0.0095
94	50	LDR BIAS	3.9338	3.9291	-0.0047
95	50	LDR BIAS	3.9422	3.9393	-0.0029
96	50	LDR UNBIAS	3.9248	3.9298	0.005
97	50	LDR UNBIAS	3.9394	3.9409	0.0015
98	50	LDR UNBIAS	3.9242	3.9288	0.0046
99	50	LDR UNBIAS	3.9447	3.944	-0.0007
100	50	LDR UNBIAS	3.9254	3.9276	0.0022

Test Statistics (V)

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	3.9319	3.9469	3.9644	0.014121	3.9319	3.9473	3.9641	0.013718	-0.0003	0.0004	0.0019	0.00101
20	3.9242	3.9347	3.9447	0.0083538	3.9251	3.935	3.9453	0.0077822	-0.0037	0.00028	0.005	0.0028483
30	3.9242	3.9347	3.9447	0.0083538	3.9242	3.9336	3.9444	0.0070197	-0.0084	-0.0011	0.004	0.0038468
50	3.9242	3.9347	3.9447	0.0083538	3.9223	3.9328	3.944	0.006976	-0.0095	-0.00186	0.005	0.0051629

Device Test: 15.27 THRESHOLD|HYST/BP5H/10/8////@V_BP5H_TH_HYST





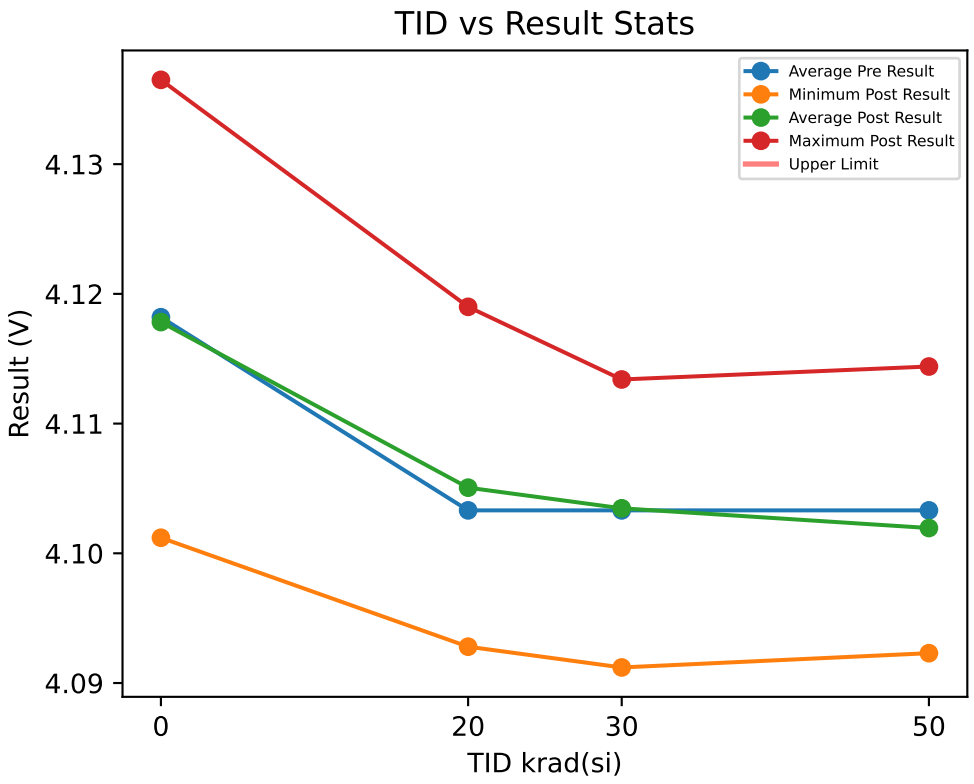
Test Results (No Limits Specified (V))

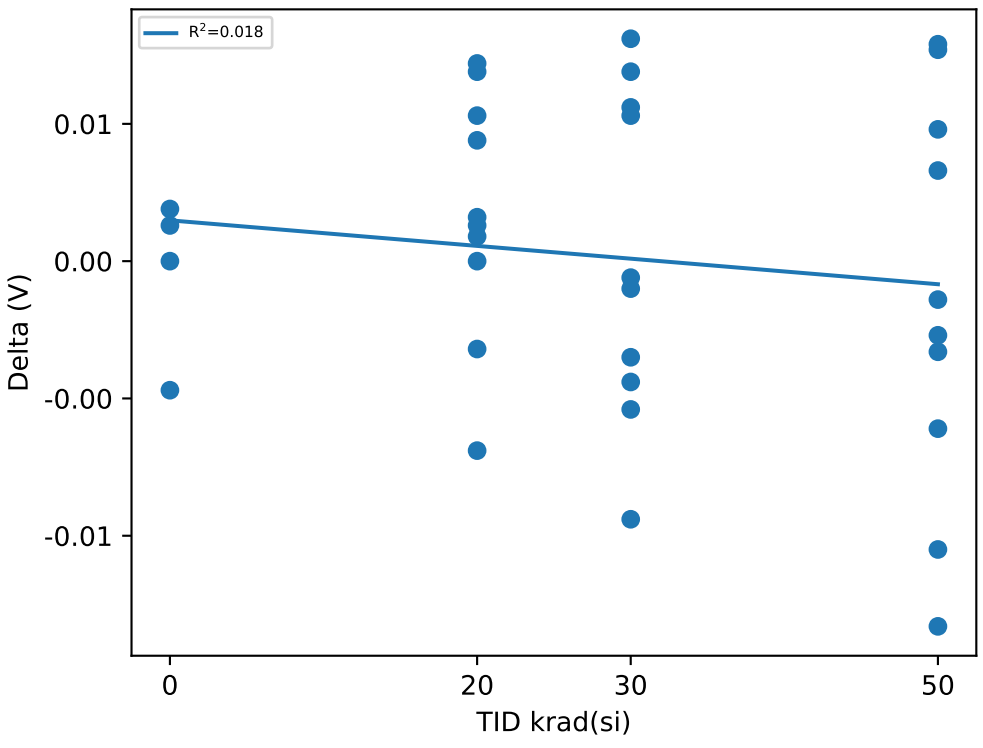
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
41	0	CORRELATION	0.1943	0.1924	-0.0019
42	0	CORRELATION	0.1902	0.1927	0.0025
43	0	CORRELATION	0.194	0.1943	0.0003
45	0	CORRELATION	0.1939	0.1942	0.0003
71	20	LDR BIAS	0.1903	0.189	-0.0013
72	20	LDR BIAS	0.1892	0.1908	0.0016
73	20	LDR BIAS	0.1878	0.1912	0.0034
74	20	LDR BIAS	0.1899	0.1927	0.0028
75	20	LDR BIAS	0.1868	0.1884	0.0016
76	20	LDR UNBIAS	0.1914	0.1902	-0.0012
77	20	LDR UNBIAS	0.1918	0.194	0.0022
78	20	LDR UNBIAS	0.1933	0.1927	-0.0006
79	20	LDR UNBIAS	0.1924	0.1924	0
80	20	LDR UNBIAS	0.1921	0.193	0.0009
81	30	LDR BIAS	0.1903	0.1909	0.0006
82	30	LDR BIAS	0.1892	0.1927	0.0035
83	30	LDR BIAS	0.1878	0.1915	0.0037
84	30	LDR BIAS	0.1899	0.1896	-0.0003
85	30	LDR BIAS	0.1868	0.189	0.0022
86	30	LDR UNBIAS	0.1914	0.1927	0.0013
87	30	LDR UNBIAS	0.1918	0.1918	0
88	30	LDR UNBIAS	0.1933	0.1858	-0.0075
89	30	LDR UNBIAS	0.1924	0.1918	-0.0006
90	30	LDR UNBIAS	0.1921	0.1933	0.0012
91	50	LDR BIAS	0.1903	0.191	0.0007
92	50	LDR BIAS	0.1892	0.1885	-0.0007
93	50	LDR BIAS	0.1878	0.1941	0.0063
94	50	LDR BIAS	0.1899	0.1882	-0.0017
95	50	LDR BIAS	0.1868	0.1895	0.0027
96	50	LDR UNBIAS	0.1914	0.1929	0.0015
97	50	LDR UNBIAS	0.1918	0.1895	-0.0023
98	50	LDR UNBIAS	0.1933	0.1873	-0.006
99	50	LDR UNBIAS	0.1924	0.1916	-0.0008
100	50	LDR UNBIAS	0.1921	0.1923	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	0.1902	0.1931	0.1943	0.0019408	0.1924	0.1934	0.1943	0.00098995	-0.0019	0.0003	0.0025	0.0017963
20	0.1868	0.1905	0.1933	0.0020971	0.1884	0.19144	0.194	0.0018344	-0.0013	0.00094	0.0034	0.0016608
30	0.1868	0.1905	0.1933	0.0020971	0.1858	0.19091	0.1933	0.0022492	-0.0075	0.00041	0.0037	0.0031498
50	0.1868	0.1905	0.1933	0.0020971	0.1873	0.19049	0.1941	0.0022348	-0.006	-1e-05	0.0063	0.0032501

Device Test: 15.28 THRESHOLD|RISE/BP5H/12/10////@V_BP5H_TH_RISE





Test Results (No Limits Specified (V))

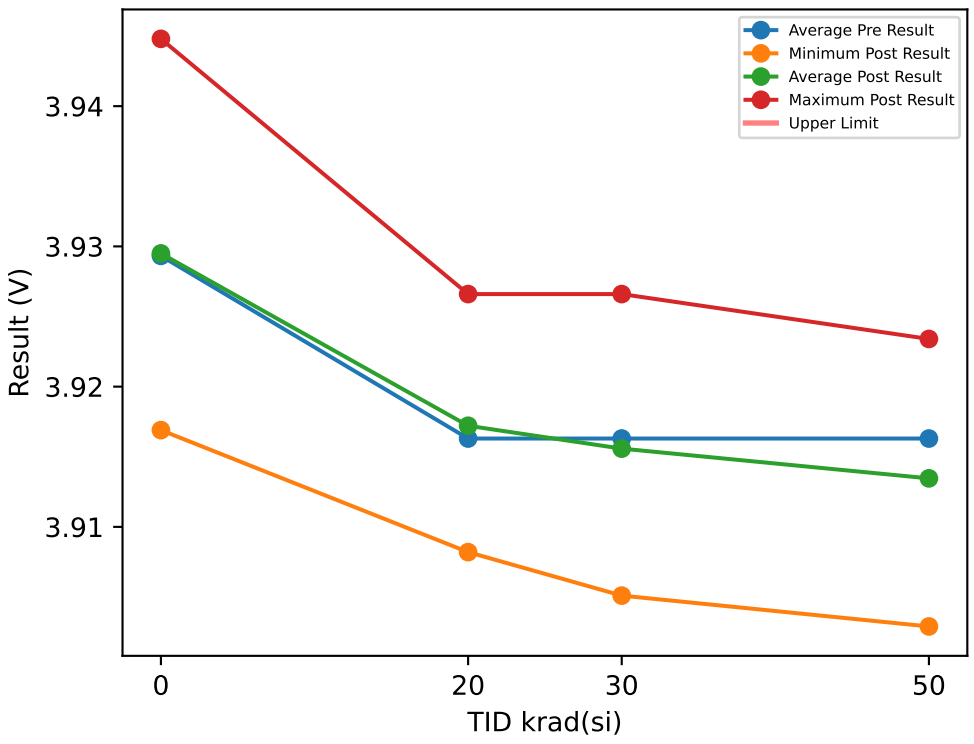
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
41	0	CORRELATION	4.1143	4.1096	-0.0047
42	0	CORRELATION	4.124	4.124	0
43	0	CORRELATION	4.0999	4.1012	0.0013
45	0	CORRELATION	4.1346	4.1365	0.0019
71	20	LDR BIAS	4.1178	4.1109	-0.0069
72	20	LDR BIAS	4.0956	4.0972	0.0016
73	20	LDR BIAS	4.1078	4.1087	0.0009
74	20	LDR BIAS	4.1047	4.1015	-0.0032
75	20	LDR BIAS	4.1043	4.1115	0.0072
76	20	LDR UNBIAS	4.0953	4.0997	0.0044
77	20	LDR UNBIAS	4.1065	4.1118	0.0053
78	20	LDR UNBIAS	4.0915	4.0928	0.0013
79	20	LDR UNBIAS	4.1121	4.119	0.0069
80	20	LDR UNBIAS	4.0975	4.0975	0
81	30	LDR BIAS	4.1178	4.1084	-0.0094
82	30	LDR BIAS	4.0956	4.0912	-0.0044
83	30	LDR BIAS	4.1078	4.1024	-0.0054
84	30	LDR BIAS	4.1047	4.1037	-0.001
85	30	LDR BIAS	4.1043	4.1099	0.0056
86	30	LDR UNBIAS	4.0953	4.1034	0.0081
87	30	LDR UNBIAS	4.1065	4.1134	0.0069
88	30	LDR UNBIAS	4.0915	4.0968	0.0053
89	30	LDR UNBIAS	4.1121	4.1115	-0.0006
90	30	LDR UNBIAS	4.0975	4.094	-0.0035
91	50	LDR BIAS	4.1178	4.1045	-0.0133
92	50	LDR BIAS	4.0956	4.0923	-0.0033
93	50	LDR BIAS	4.1078	4.0973	-0.0105
94	50	LDR BIAS	4.1047	4.0986	-0.0061
95	50	LDR BIAS	4.1043	4.1076	0.0033
96	50	LDR UNBIAS	4.0953	4.1001	0.0048
97	50	LDR UNBIAS	4.1065	4.1144	0.0079
98	50	LDR UNBIAS	4.0915	4.0992	0.0077
99	50	LDR UNBIAS	4.1121	4.1107	-0.0014
100	50	LDR UNBIAS	4.0975	4.0948	-0.0027

Test Statistics (V)

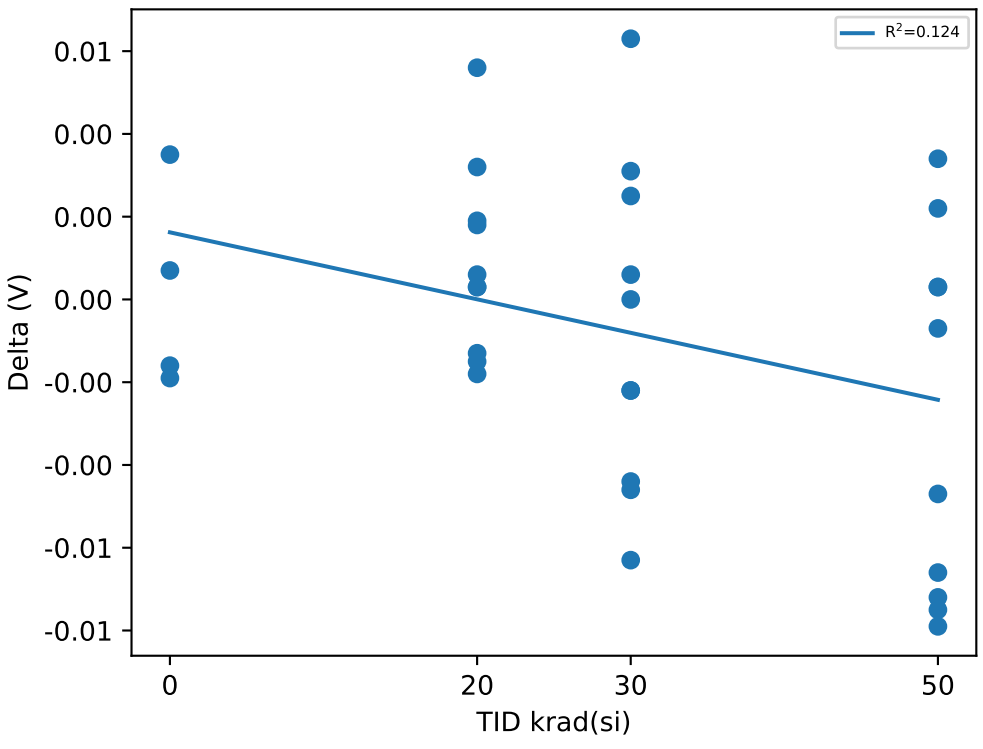
krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	4.0999	4.1182	4.1346	0.01475	4.1012	4.1178	4.1365	0.015609	-0.0047	-0.000375	0.0019	0.0029904
20	4.0915	4.1033	4.1178	0.0082819	4.0928	4.1051	4.119	0.0084276	-0.0069	0.00175	0.0072	0.004462
30	4.0915	4.1033	4.1178	0.0082819	4.0912	4.1035	4.1134	0.007562	-0.0094	0.00016	0.0081	0.0059898
50	4.0915	4.1033	4.1178	0.0082819	4.0923	4.102	4.1144	0.0071342	-0.0133	-0.00136	0.0079	0.0073153

Device Test: 15.29 THRESHOLD|FALL/BP5H/12/10////@V_BP5H_TH_FALL

TID vs Result Stats



TID vs Post - Pre Exposure Delta



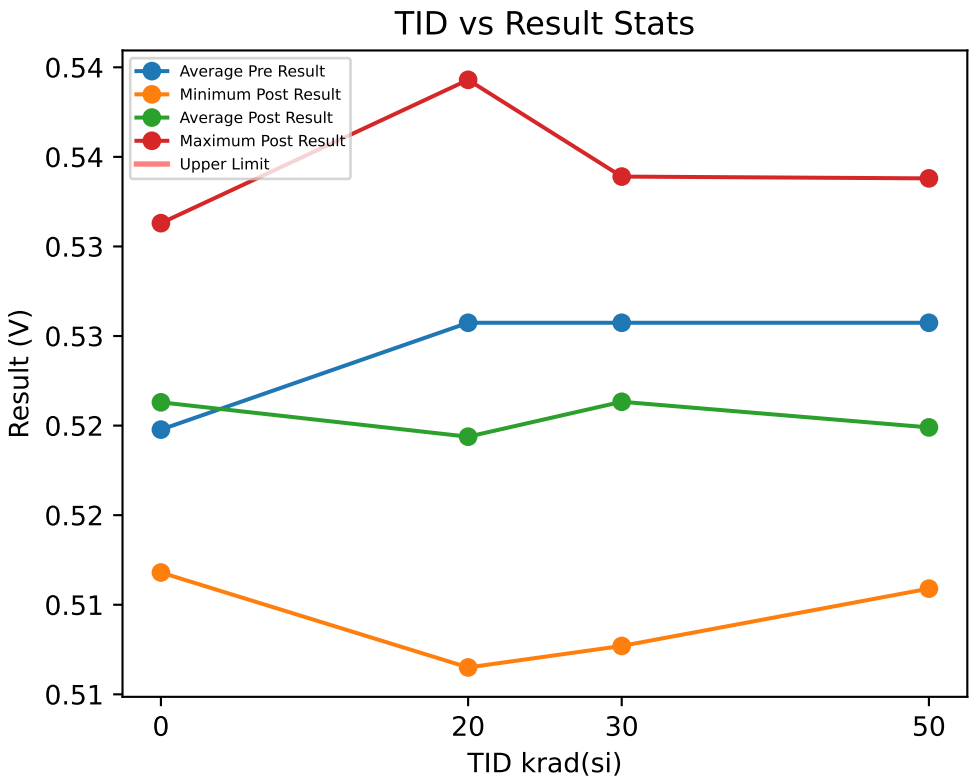
Test Results (No Limits Specified (V))

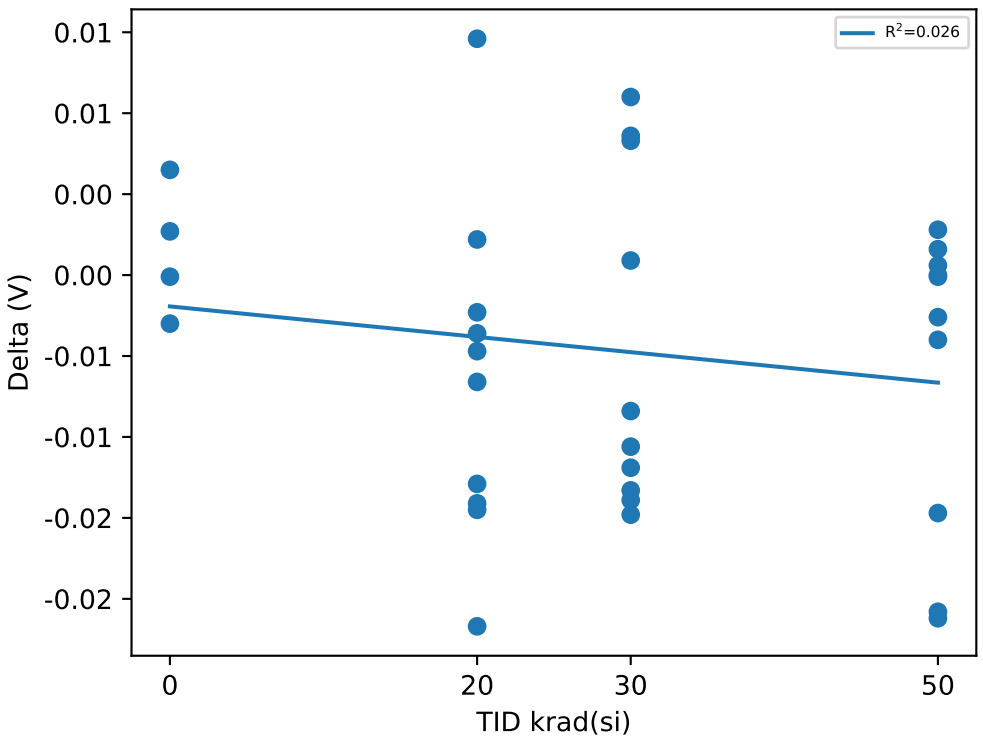
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
41	0	CORRELATION	3.9247	3.9231	-0.0016
42	0	CORRELATION	3.9351	3.9332	-0.0019
43	0	CORRELATION	3.9134	3.9169	0.0035
45	0	CORRELATION	3.9441	3.9448	0.0007
71	20	LDR BIAS	3.9263	3.9266	0.0003
72	20	LDR BIAS	3.9095	3.9082	-0.0013
73	20	LDR BIAS	3.9184	3.9216	0.0032
74	20	LDR BIAS	3.9157	3.9142	-0.0015
75	20	LDR BIAS	3.9256	3.9238	-0.0018
76	20	LDR UNBIAS	3.9079	3.9085	0.0006
77	20	LDR UNBIAS	3.92	3.9256	0.0056
78	20	LDR UNBIAS	3.9082	3.9085	0.0003
79	20	LDR UNBIAS	3.9241	3.9259	0.0018
80	20	LDR UNBIAS	3.9073	3.9092	0.0019
81	30	LDR BIAS	3.9263	3.92	-0.0063
82	30	LDR BIAS	3.9095	3.9051	-0.0044
83	30	LDR BIAS	3.9184	3.9138	-0.0046
84	30	LDR BIAS	3.9157	3.9135	-0.0022
85	30	LDR BIAS	3.9256	3.9234	-0.0022
86	30	LDR UNBIAS	3.9079	3.911	0.0031
87	30	LDR UNBIAS	3.92	3.9263	0.0063
88	30	LDR UNBIAS	3.9082	3.9082	0
89	30	LDR UNBIAS	3.9241	3.9266	0.0025
90	30	LDR UNBIAS	3.9073	3.9079	0.0006
91	50	LDR BIAS	3.9263	3.9184	-0.0079
92	50	LDR BIAS	3.9095	3.9029	-0.0066
93	50	LDR BIAS	3.9184	3.9109	-0.0075
94	50	LDR BIAS	3.9157	3.911	-0.0047
95	50	LDR BIAS	3.9256	3.9184	-0.0072
96	50	LDR UNBIAS	3.9079	3.9101	0.0022
97	50	LDR UNBIAS	3.92	3.9234	0.0034
98	50	LDR UNBIAS	3.9082	3.9085	0.0003
99	50	LDR UNBIAS	3.9241	3.9234	-0.0007
100	50	LDR UNBIAS	3.9073	3.9076	0.0003

Test Statistics (V)

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	3.9134	3.9293	3.9441	0.013249	3.9169	3.9295	3.9448	0.012213	-0.0019	0.000175	0.0035	0.0025025
20	3.9073	3.9163	3.9263	0.0076681	3.9082	3.9172	3.9266	0.0081847	-0.0018	0.00091	0.0056	0.0023067
30	3.9073	3.9163	3.9263	0.0076681	3.9051	3.9156	3.9266	0.0079498	-0.0063	-0.00072	0.0063	0.0039527
50	3.9073	3.9163	3.9263	0.0076681	3.9029	3.9135	3.9234	0.0069981	-0.0079	-0.00284	0.0034	0.0043788

Device Test: 15.3 THRESHOLD|HYST/VIN//10////@V_IN_TH_HYST





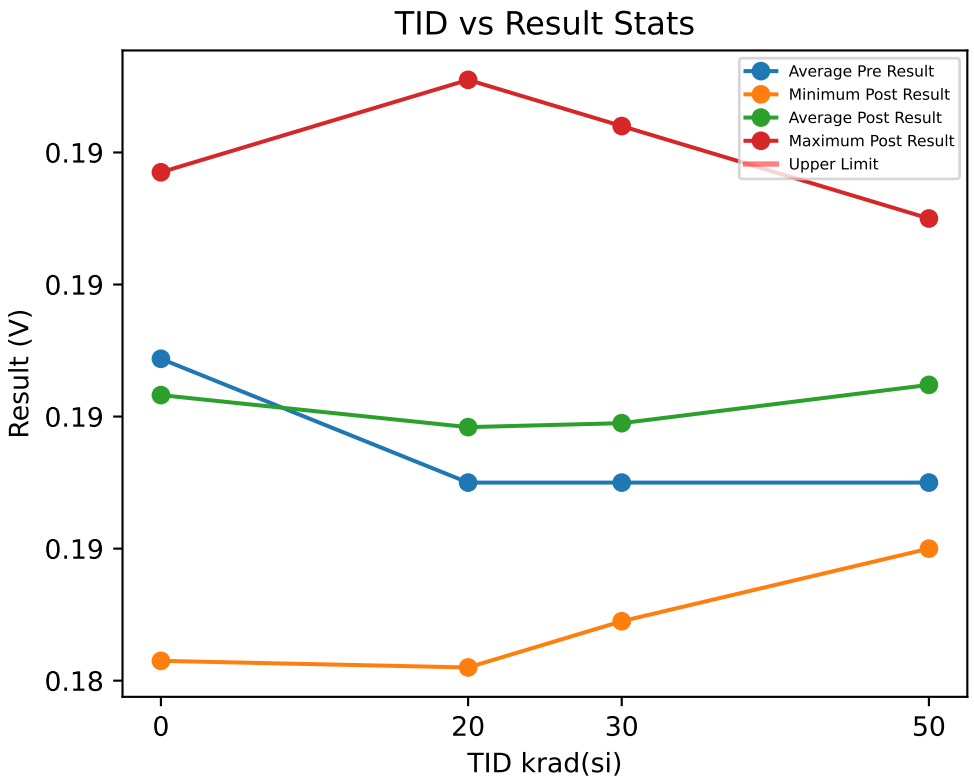
Test Results (No Limits Specified (V))

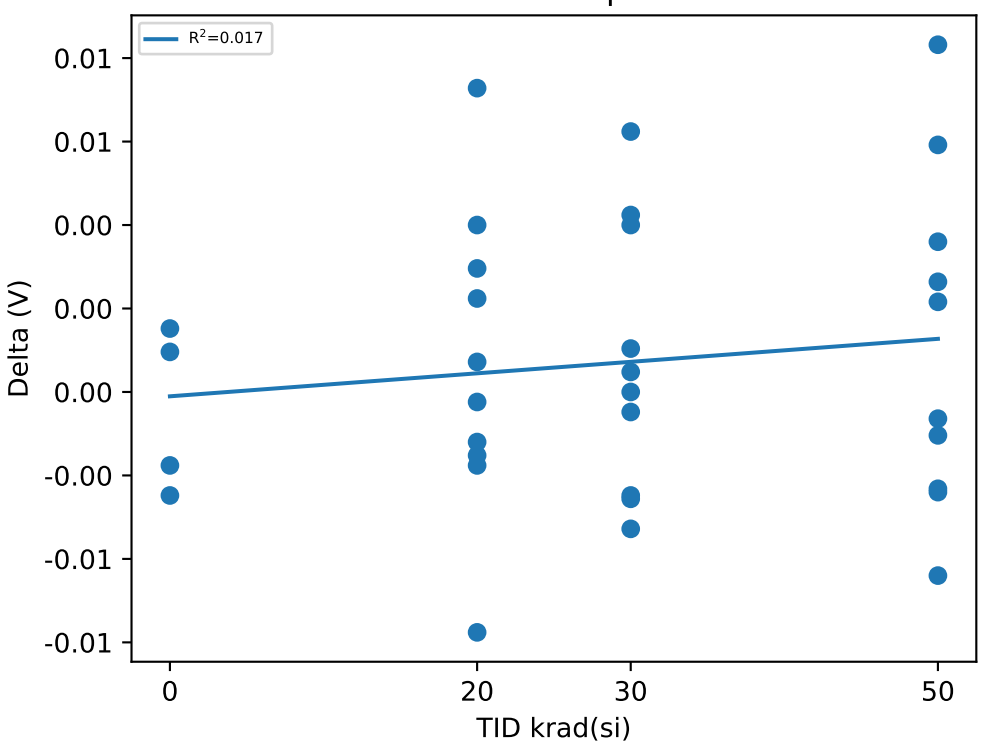
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
41	0	CORRELATION	0.5248	0.5313	0.0065
42	0	CORRELATION	0.5194	0.5221	0.0027
43	0	CORRELATION	0.523	0.52	-0.003
45	0	CORRELATION	0.5119	0.5118	-0.0001
71	20	LDR BIAS	0.5364	0.5223	-0.0141
72	20	LDR BIAS	0.5121	0.5143	0.0022
73	20	LDR BIAS	0.5256	0.522	-0.0036
74	20	LDR BIAS	0.5259	0.513	-0.0129
75	20	LDR BIAS	0.5354	0.5331	-0.0023
76	20	LDR UNBIAS	0.5182	0.5116	-0.0066
77	20	LDR UNBIAS	0.5247	0.5393	0.0146
78	20	LDR UNBIAS	0.521	0.5065	-0.0145
79	20	LDR UNBIAS	0.5384	0.5167	-0.0217
80	20	LDR UNBIAS	0.5197	0.515	-0.0047
81	30	LDR BIAS	0.5364	0.528	-0.0084
82	30	LDR BIAS	0.5121	0.5231	0.011
83	30	LDR BIAS	0.5256	0.5339	0.0083
84	30	LDR BIAS	0.5259	0.512	-0.0139
85	30	LDR BIAS	0.5354	0.5235	-0.0119
86	30	LDR UNBIAS	0.5182	0.5191	0.0009
87	30	LDR UNBIAS	0.5247	0.5333	0.0086
88	30	LDR UNBIAS	0.521	0.5077	-0.0133
89	30	LDR UNBIAS	0.5384	0.5236	-0.0148
90	30	LDR UNBIAS	0.5197	0.5091	-0.0106
91	50	LDR BIAS	0.5364	0.5338	-0.0026
92	50	LDR BIAS	0.5121	0.5127	0.0006
93	50	LDR BIAS	0.5256	0.5109	-0.0147
94	50	LDR BIAS	0.5259	0.5219	-0.004
95	50	LDR BIAS	0.5354	0.5146	-0.0208
96	50	LDR UNBIAS	0.5182	0.521	0.0028
97	50	LDR UNBIAS	0.5247	0.5247	0
98	50	LDR UNBIAS	0.521	0.5226	0.0016
99	50	LDR UNBIAS	0.5384	0.5172	-0.0212
100	50	LDR UNBIAS	0.5197	0.5196	-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	0.5119	0.51977	0.5248	0.0057099	0.5118	0.5213	0.5313	0.0080121	-0.003	0.001525	0.0065	0.0040516
20	0.5121	0.52574	0.5384	0.0086294	0.5065	0.51938	0.5393	0.010109	-0.0217	-0.00636	0.0146	0.01024
30	0.5121	0.52574	0.5384	0.0086294	0.5077	0.52133	0.5339	0.0093461	-0.0148	-0.00441	0.011	0.010455
50	0.5121	0.52574	0.5384	0.0086294	0.5109	0.5199	0.5338	0.0066421	-0.0212	-0.00584	0.0028	0.0093728

Device Test: 15.30 THRESHOLD|HYST/BP5H/12/10////@V_BP5H_TH_HYST





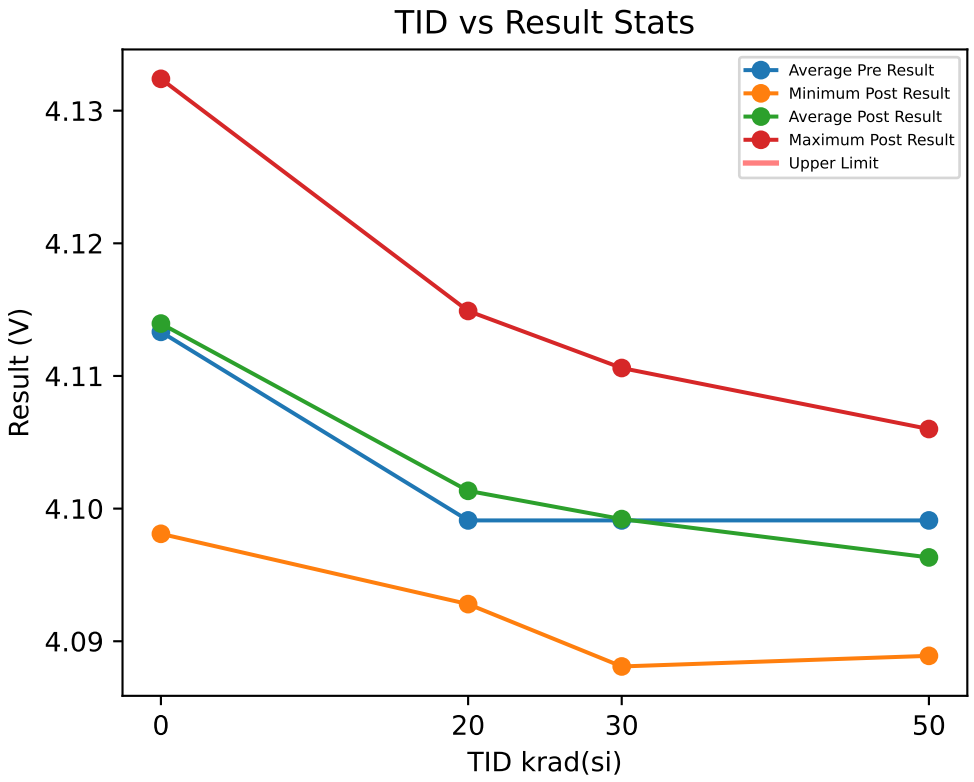
Test Results (No Limits Specified (V))

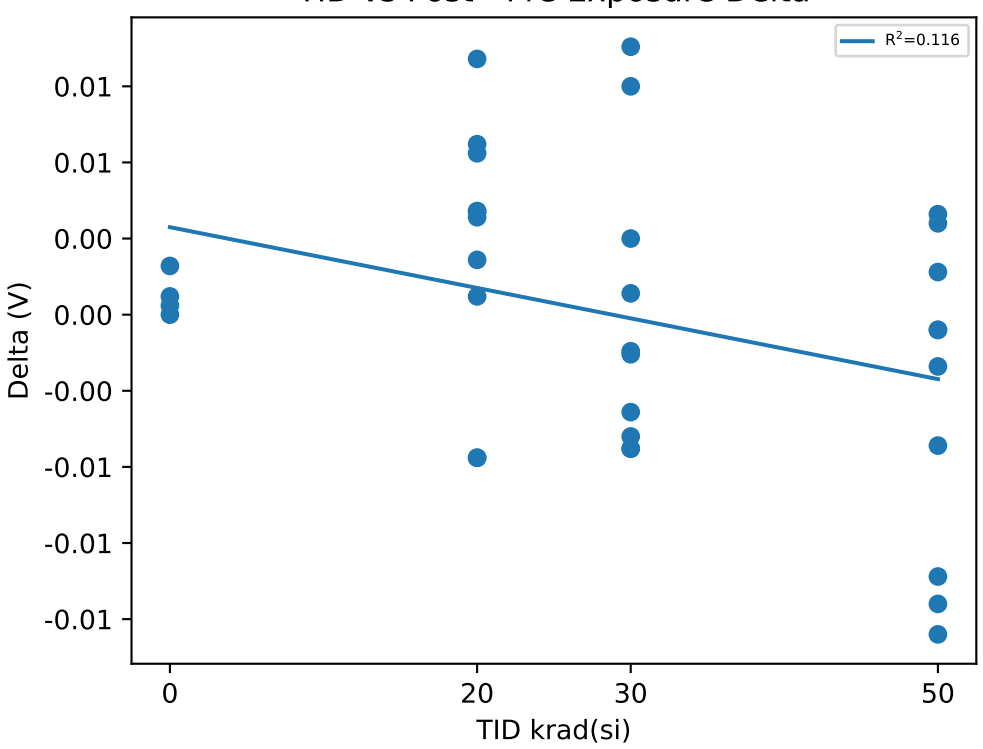
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
41	0	CORRELATION	0.1896	0.1865	-0.0031
42	0	CORRELATION	0.1889	0.1908	0.0019
43	0	CORRELATION	0.1865	0.1843	-0.0022
45	0	CORRELATION	0.1905	0.1917	0.0012
71	20	LDR BIAS	0.1915	0.1843	-0.0072
72	20	LDR BIAS	0.1861	0.1889	0.0028
73	20	LDR BIAS	0.1893	0.1871	-0.0022
74	20	LDR BIAS	0.1889	0.1874	-0.0015
75	20	LDR BIAS	0.1787	0.1878	0.0091
76	20	LDR UNBIAS	0.1874	0.1911	0.0037
77	20	LDR UNBIAS	0.1865	0.1862	-0.0003
78	20	LDR UNBIAS	0.1833	0.1842	0.0009
79	20	LDR UNBIAS	0.1881	0.1931	0.005
80	20	LDR UNBIAS	0.1902	0.1883	-0.0019
81	30	LDR BIAS	0.1915	0.1884	-0.0031
82	30	LDR BIAS	0.1861	0.1861	0
83	30	LDR BIAS	0.1893	0.1887	-0.0006
84	30	LDR BIAS	0.1889	0.1902	0.0013
85	30	LDR BIAS	0.1787	0.1865	0.0078
86	30	LDR UNBIAS	0.1874	0.1924	0.005
87	30	LDR UNBIAS	0.1865	0.1871	0.0006
88	30	LDR UNBIAS	0.1833	0.1886	0.0053
89	30	LDR UNBIAS	0.1881	0.1849	-0.0032
90	30	LDR UNBIAS	0.1902	0.1861	-0.0041
91	50	LDR BIAS	0.1915	0.186	-0.0055
92	50	LDR BIAS	0.1861	0.1894	0.0033
93	50	LDR BIAS	0.1893	0.1863	-0.003
94	50	LDR BIAS	0.1889	0.1876	-0.0013
95	50	LDR BIAS	0.1787	0.1891	0.0104
96	50	LDR UNBIAS	0.1874	0.1901	0.0027
97	50	LDR UNBIAS	0.1865	0.191	0.0045
98	50	LDR UNBIAS	0.1833	0.1907	0.0074
99	50	LDR UNBIAS	0.1881	0.1873	-0.0008
100	50	LDR UNBIAS	0.1902	0.1873	-0.0029

Test Statistics (V)

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	0.1865	0.18888	0.1905	0.0017134	0.1843	0.18832	0.1917	0.0035141	-0.0031	-0.00055	0.0019	0.0024691
20	0.1787	0.187	0.1915	0.0037178	0.1842	0.18784	0.1931	0.0027657	-0.0072	0.00084	0.0091	0.0045427
30	0.1787	0.187	0.1915	0.0037178	0.1849	0.1879	0.1924	0.0022361	-0.0041	0.0009	0.0078	0.0040125
50	0.1787	0.187	0.1915	0.0037178	0.186	0.18848	0.191	0.0018134	-0.0055	0.00148	0.0104	0.005049

Device Test: 15.31 THRESHOLD|RISE/BP5H/14/14////@V_BP5H_TH_RISE





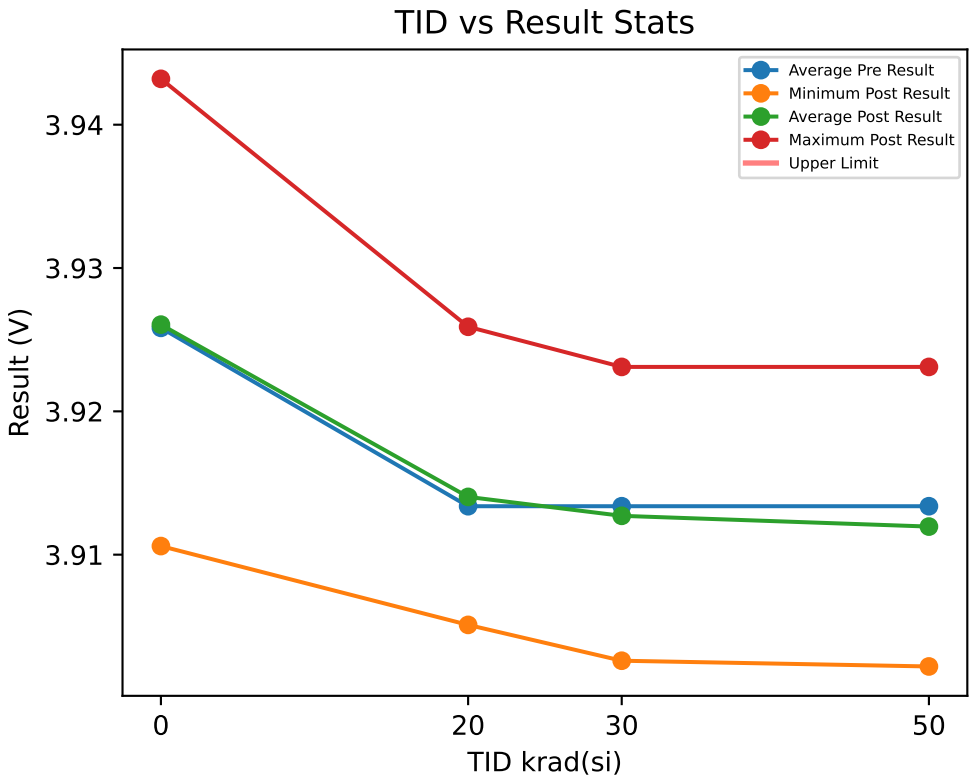
Test Results (No Limits Specified (V))

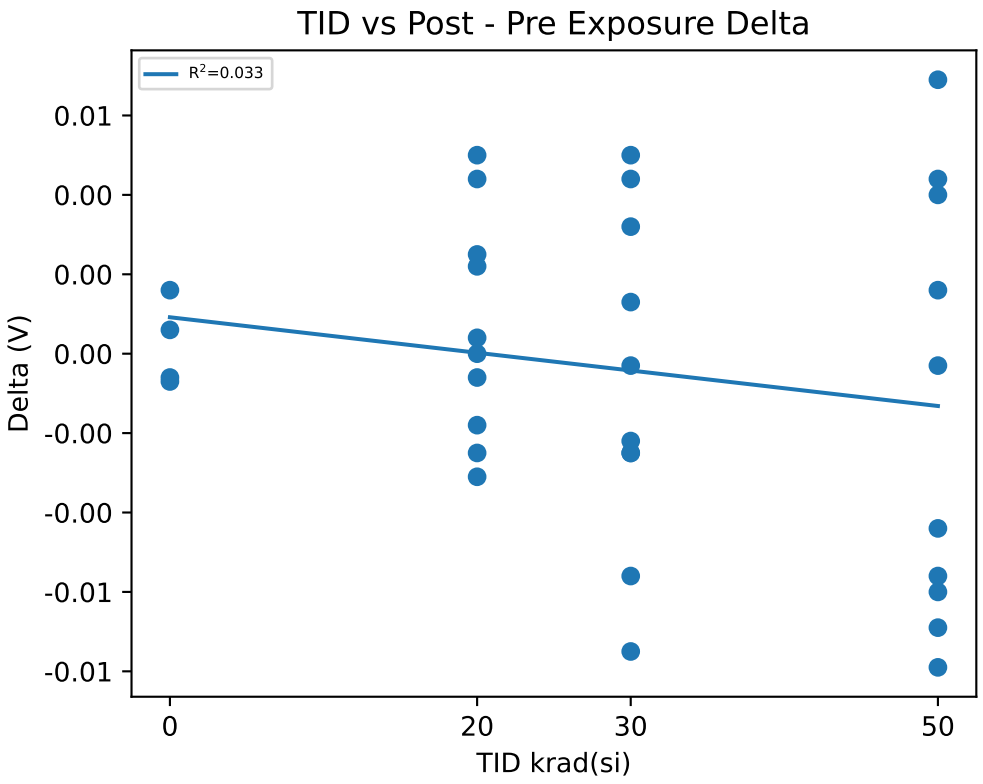
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
41	0	CORRELATION	4.1103	4.1103	0
42	0	CORRELATION	4.1134	4.115	0.0016
43	0	CORRELATION	4.0978	4.0981	0.0003
45	0	CORRELATION	4.1318	4.1324	0.0006
71	20	LDR BIAS	4.1093	4.1046	-0.0047
72	20	LDR BIAS	4.0909	4.0943	0.0034
73	20	LDR BIAS	4.104	4.1046	0.0006
74	20	LDR BIAS	4.1031	4.0984	-0.0047
75	20	LDR BIAS	4.1053	4.1071	0.0018
76	20	LDR UNBIAS	4.0918	4.095	0.0032
77	20	LDR UNBIAS	4.1018	4.1074	0.0056
78	20	LDR UNBIAS	4.0894	4.0928	0.0034
79	20	LDR UNBIAS	4.1065	4.1149	0.0084
80	20	LDR UNBIAS	4.089	4.0943	0.0053
81	30	LDR BIAS	4.1093	4.1053	-0.004
82	30	LDR BIAS	4.0909	4.0897	-0.0012
83	30	LDR BIAS	4.104	4.0996	-0.0044
84	30	LDR BIAS	4.1031	4.0987	-0.0044
85	30	LDR BIAS	4.1053	4.1021	-0.0032
86	30	LDR UNBIAS	4.0918	4.0993	0.0075
87	30	LDR UNBIAS	4.1018	4.1106	0.0088
88	30	LDR UNBIAS	4.0894	4.0881	-0.0013
89	30	LDR UNBIAS	4.1065	4.109	0.0025
90	30	LDR UNBIAS	4.089	4.0897	0.0007
91	50	LDR BIAS	4.1093	4.0998	-0.0095
92	50	LDR BIAS	4.0909	4.0892	-0.0017
93	50	LDR BIAS	4.104	4.0935	-0.0105
94	50	LDR BIAS	4.1031	4.0945	-0.0086
95	50	LDR BIAS	4.1053	4.101	-0.0043
96	50	LDR UNBIAS	4.0918	4.0951	0.0033
97	50	LDR UNBIAS	4.1018	4.1048	0.003
98	50	LDR UNBIAS	4.0894	4.0889	-0.0005
99	50	LDR UNBIAS	4.1065	4.106	-0.0005
100	50	LDR UNBIAS	4.089	4.0904	0.0014

Test Statistics (V)

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	4.0978	4.1133	4.1318	0.014042	4.0981	4.1139	4.1324	0.014213	0	0.000625	0.0016	0.00069462
20	4.089	4.0991	4.1093	0.0078963	4.0928	4.1013	4.1149	0.0074231	-0.0047	0.00223	0.0084	0.0042351
30	4.089	4.0991	4.1093	0.0078963	4.0881	4.0992	4.1106	0.0079983	-0.0044	0.0001	0.0088	0.0048123
50	4.089	4.0991	4.1093	0.0078963	4.0889	4.0963	4.106	0.0062643	-0.0105	-0.00279	0.0033	0.0051677

Device Test: 15.32 THRESHOLD|FALL/BP5H/14/14////@V_BP5H_TH_FALL





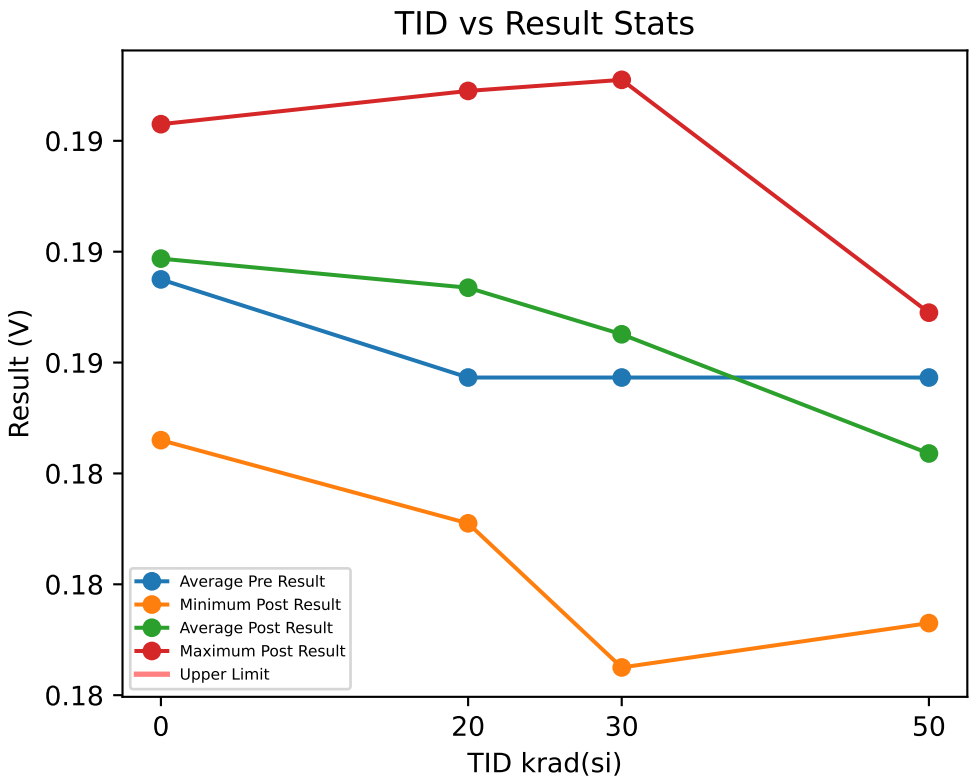
Test Results (No Limits Specified (V))

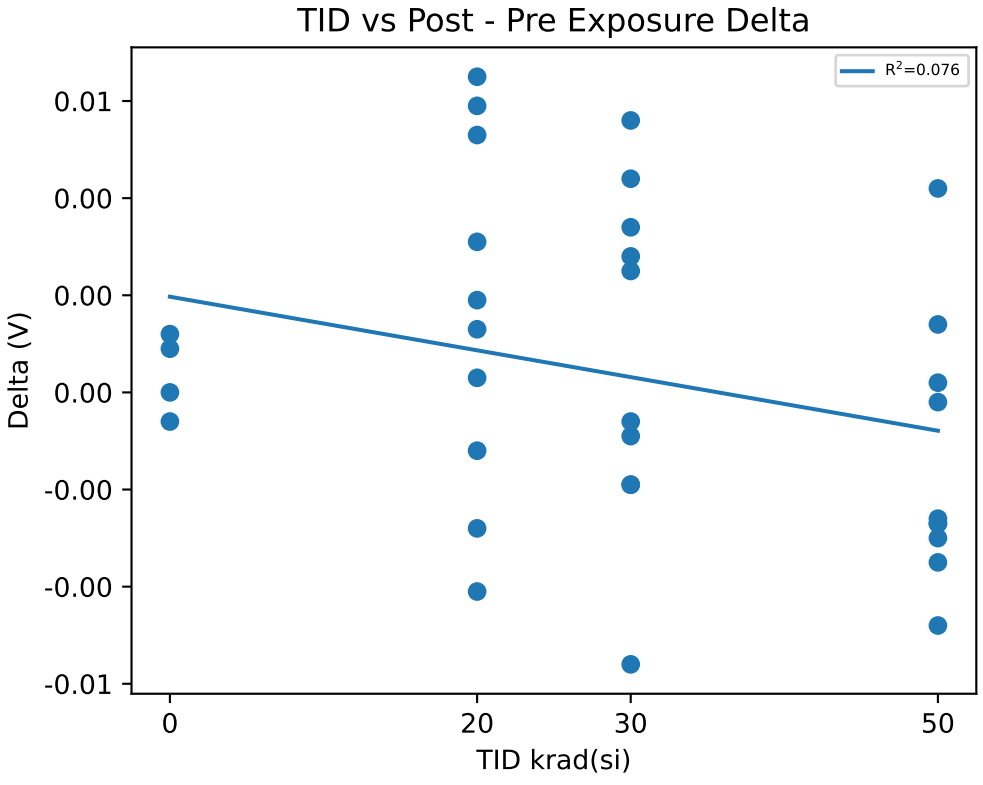
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
41	0	CORRELATION	3.9194	3.92	0.0006
42	0	CORRELATION	3.9288	3.9304	0.0016
43	0	CORRELATION	3.9113	3.9106	-0.0007
45	0	CORRELATION	3.9438	3.9432	-0.0006
71	20	LDR BIAS	3.9234	3.9216	-0.0018
72	20	LDR BIAS	3.9082	3.9051	-0.0031
73	20	LDR BIAS	3.9163	3.9138	-0.0025
74	20	LDR BIAS	3.9135	3.9129	-0.0006
75	20	LDR BIAS	3.9213	3.9213	0
76	20	LDR UNBIAS	3.9032	3.9076	0.0044
77	20	LDR UNBIAS	3.9184	3.9188	0.0004
78	20	LDR UNBIAS	3.9032	3.9054	0.0022
79	20	LDR UNBIAS	3.9234	3.9259	0.0025
80	20	LDR UNBIAS	3.9029	3.9079	0.005
81	30	LDR BIAS	3.9234	3.9159	-0.0075
82	30	LDR BIAS	3.9082	3.9026	-0.0056
83	30	LDR BIAS	3.9163	3.9138	-0.0025
84	30	LDR BIAS	3.9135	3.911	-0.0025
85	30	LDR BIAS	3.9213	3.9191	-0.0022
86	30	LDR UNBIAS	3.9032	3.9082	0.005
87	30	LDR UNBIAS	3.9184	3.9216	0.0032
88	30	LDR UNBIAS	3.9032	3.9076	0.0044
89	30	LDR UNBIAS	3.9234	3.9231	-0.0003
90	30	LDR UNBIAS	3.9029	3.9042	0.0013
91	50	LDR BIAS	3.9234	3.9165	-0.0069
92	50	LDR BIAS	3.9082	3.9022	-0.006
93	50	LDR BIAS	3.9163	3.9084	-0.0079
94	50	LDR BIAS	3.9135	3.9079	-0.0056
95	50	LDR BIAS	3.9213	3.9169	-0.0044
96	50	LDR UNBIAS	3.9032	3.9101	0.0069
97	50	LDR UNBIAS	3.9184	3.92	0.0016
98	50	LDR UNBIAS	3.9032	3.9076	0.0044
99	50	LDR UNBIAS	3.9234	3.9231	-0.0003
100	50	LDR UNBIAS	3.9029	3.9069	0.004

Test Statistics (V)

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	3.9113	3.9258	3.9438	0.013955	3.9106	3.9261	3.9432	0.014004	-0.0007	0.000225	0.0016	0.0010905
20	3.9029	3.9134	3.9234	0.0084406	3.9051	3.914	3.9259	0.007515	-0.0031	0.00065	0.005	0.0028056
30	3.9029	3.9134	3.9234	0.0084406	3.9026	3.9127	3.9231	0.0071739	-0.0075	-0.00067	0.005	0.0041745
50	3.9029	3.9134	3.9234	0.0084406	3.9022	3.912	3.9231	0.0067185	-0.0079	-0.00142	0.0069	0.0053975

Device Test: 15.33 THRESHOLD|HYST/BP5H/14/14////@V_BP5H_TH_HYST





Test Results (No Limits Specified (V))

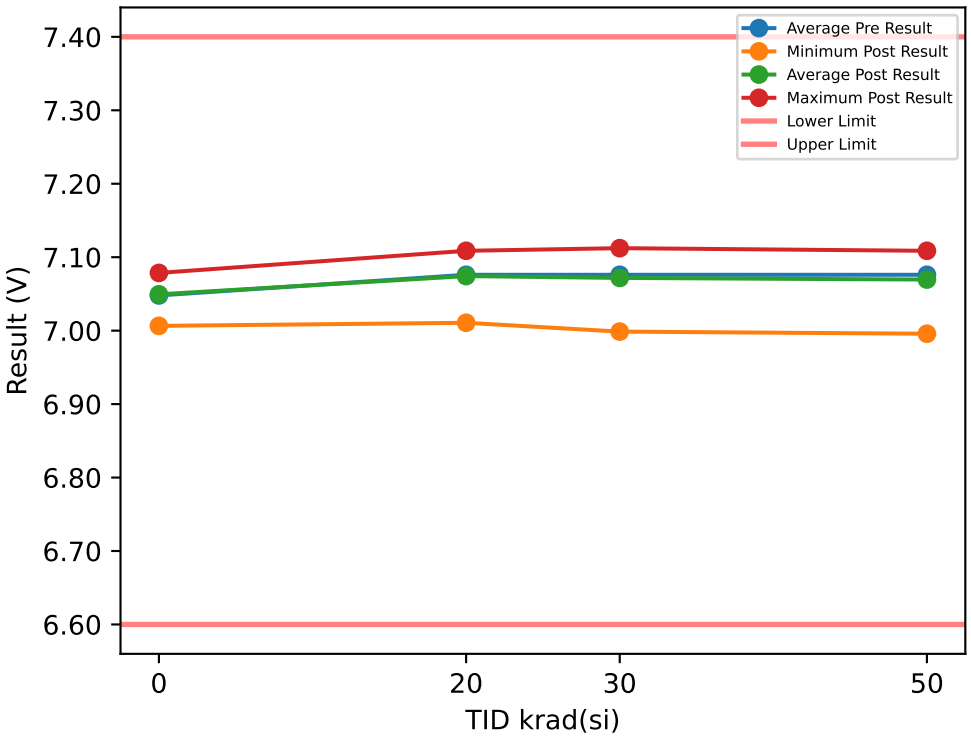
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
41	0	CORRELATION	0.1909	0.1903	-0.0006
42	0	CORRELATION	0.1846	0.1846	0
43	0	CORRELATION	0.1865	0.1874	0.0009
45	0	CORRELATION	0.188	0.1892	0.0012
71	20	LDR BIAS	0.1859	0.1831	-0.0028
72	20	LDR BIAS	0.1827	0.1892	0.0065
73	20	LDR BIAS	0.1878	0.1909	0.0031
74	20	LDR BIAS	0.1896	0.1855	-0.0041
75	20	LDR BIAS	0.184	0.1859	0.0019
76	20	LDR UNBIAS	0.1886	0.1874	-0.0012
77	20	LDR UNBIAS	0.1834	0.1887	0.0053
78	20	LDR UNBIAS	0.1861	0.1874	0.0013
79	20	LDR UNBIAS	0.1831	0.189	0.0059
80	20	LDR UNBIAS	0.1861	0.1864	0.0003
81	30	LDR BIAS	0.1859	0.1893	0.0034
82	30	LDR BIAS	0.1827	0.1871	0.0044
83	30	LDR BIAS	0.1878	0.1859	-0.0019
84	30	LDR BIAS	0.1896	0.1877	-0.0019
85	30	LDR BIAS	0.184	0.1831	-0.0009
86	30	LDR UNBIAS	0.1886	0.1911	0.0025
87	30	LDR UNBIAS	0.1834	0.189	0.0056
88	30	LDR UNBIAS	0.1861	0.1805	-0.0056
89	30	LDR UNBIAS	0.1831	0.1859	0.0028
90	30	LDR UNBIAS	0.1861	0.1855	-0.0006
91	50	LDR BIAS	0.1859	0.1832	-0.0027
92	50	LDR BIAS	0.1827	0.1869	0.0042
93	50	LDR BIAS	0.1878	0.1851	-0.0027
94	50	LDR BIAS	0.1896	0.1866	-0.003
95	50	LDR BIAS	0.184	0.1842	0.0002
96	50	LDR UNBIAS	0.1886	0.1851	-0.0035
97	50	LDR UNBIAS	0.1834	0.1848	0.0014
98	50	LDR UNBIAS	0.1861	0.1813	-0.0048
99	50	LDR UNBIAS	0.1831	0.1829	-0.0002
100	50	LDR UNBIAS	0.1861	0.1835	-0.0026

Test Statistics (V)

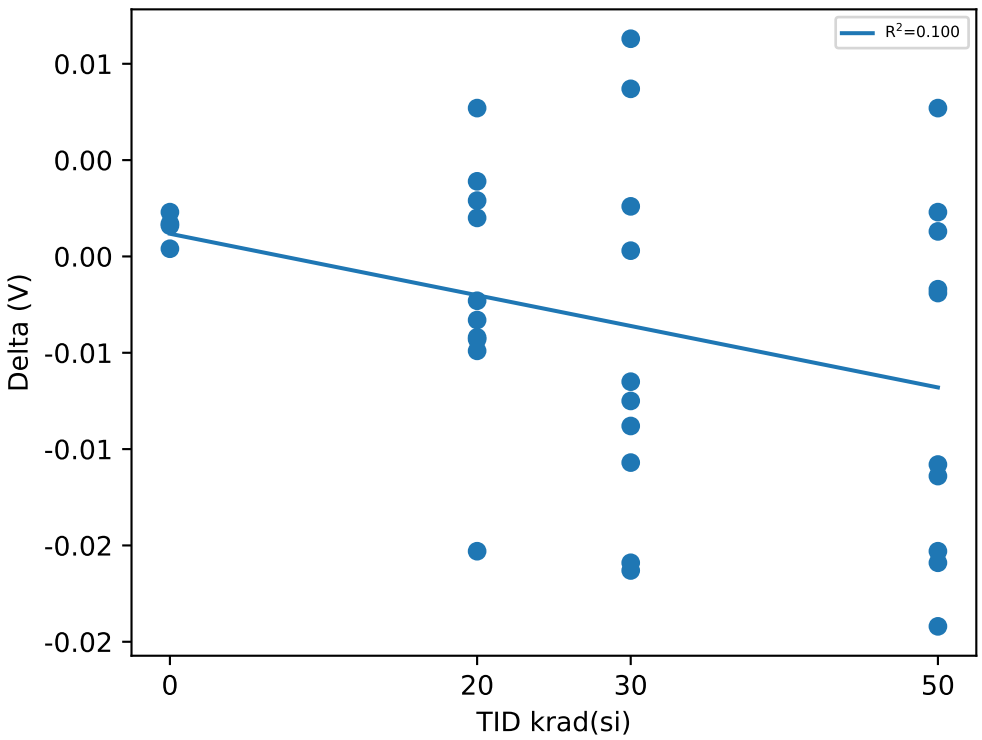
krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	0.1846	0.1875	0.1909	0.0026596	0.1846	0.18788	0.1903	0.0024891	-0.0006	0.000375	0.0012	0.00082614
20	0.1827	0.18573	0.1896	0.0024111	0.1831	0.18735	0.1909	0.0022377	-0.0041	0.00162	0.0065	0.0036514
30	0.1827	0.18573	0.1896	0.0024111	0.1805	0.18651	0.1911	0.0030971	-0.0056	0.00078	0.0056	0.0034966
50	0.1827	0.18573	0.1896	0.0024111	0.1813	0.18436	0.1869	0.0017115	-0.0048	-0.00137	0.0042	0.0027191

Device Test: 15.4 THRESHOLD|RISE/BOOT/12/////@V_BOOT_TH_RISE

TID vs Result Stats



TID vs Post - Pre Exposure Delta



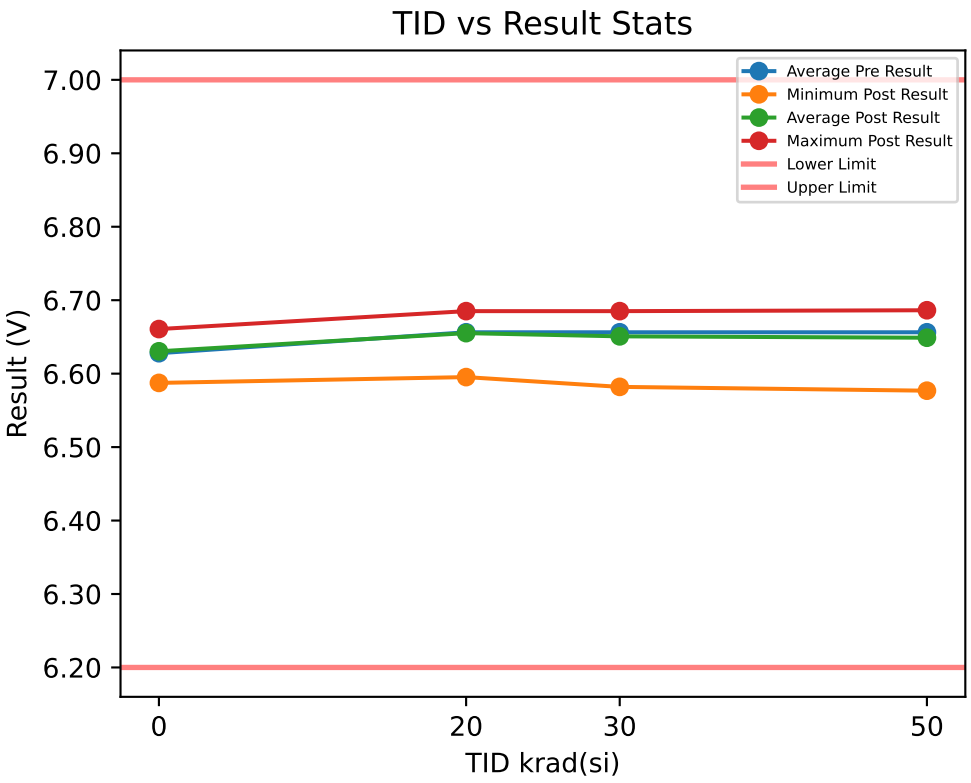
Test Results (Lower Limit = 6.6, Upper Limit = 7.4 (V))

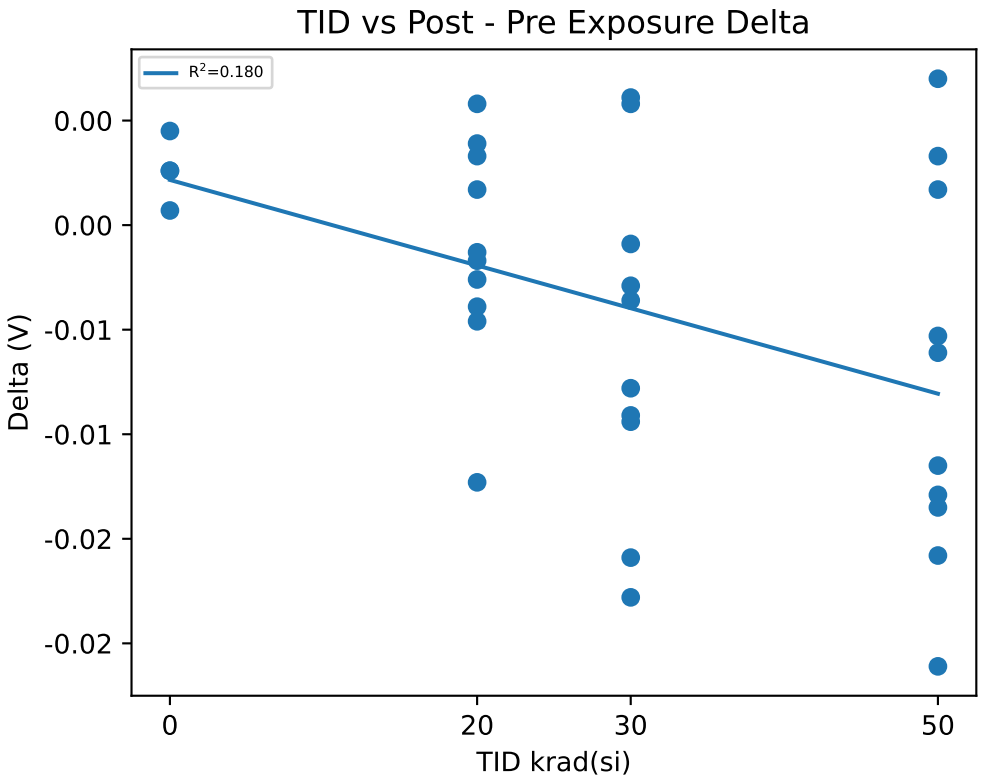
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
41	0	CORRELATION	7.0042	7.0065	0.0023
42	0	CORRELATION	7.0662	7.0679	0.0017
43	0	CORRELATION	7.0782	7.0786	0.0004
45	0	CORRELATION	7.0432	7.0448	0.0016
71	20	LDR BIAS	7.0643	7.0594	-0.0049
72	20	LDR BIAS	7.015	7.0107	-0.0043
73	20	LDR BIAS	7.074	7.076	0.002
74	20	LDR BIAS	7.0591	7.0438	-0.0153
75	20	LDR BIAS	7.074	7.0717	-0.0023
76	20	LDR UNBIAS	7.0854	7.0883	0.0029
77	20	LDR UNBIAS	7.101	7.1087	0.0077
78	20	LDR UNBIAS	7.0825	7.0792	-0.0033
79	20	LDR UNBIAS	7.0974	7.1013	0.0039
80	20	LDR UNBIAS	7.1078	7.1036	-0.0042
81	30	LDR BIAS	7.0643	7.0568	-0.0075
82	30	LDR BIAS	7.015	6.9987	-0.0163
83	30	LDR BIAS	7.074	7.0675	-0.0065
84	30	LDR BIAS	7.0591	7.0432	-0.0159
85	30	LDR BIAS	7.074	7.0652	-0.0088
86	30	LDR UNBIAS	7.0854	7.0941	0.0087
87	30	LDR UNBIAS	7.101	7.1123	0.0113
88	30	LDR UNBIAS	7.0825	7.0828	0.0003
89	30	LDR UNBIAS	7.0974	7.1	0.0026
90	30	LDR UNBIAS	7.1078	7.0971	-0.0107
91	50	LDR BIAS	7.0643	7.049	-0.0153
92	50	LDR BIAS	7.015	6.9958	-0.0192
93	50	LDR BIAS	7.074	7.0626	-0.0114
94	50	LDR BIAS	7.0591	7.0432	-0.0159
95	50	LDR BIAS	7.074	7.0632	-0.0108
96	50	LDR UNBIAS	7.0854	7.0867	0.0013
97	50	LDR UNBIAS	7.101	7.1087	0.0077
98	50	LDR UNBIAS	7.0825	7.0848	0.0023
99	50	LDR UNBIAS	7.0974	7.0957	-0.0017
100	50	LDR UNBIAS	7.1078	7.1059	-0.0019

Test Statistics (V)

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	7.0042	7.048	7.0782	0.032582	7.0065	7.0495	7.0786	0.031919	0.0004	0.0015	0.0023	0.00079582
20	7.015	7.076	7.1078	0.026617	7.0107	7.0743	7.1087	0.03018	-0.0153	-0.00178	0.0077	0.0063739
30	7.015	7.076	7.1078	0.026617	6.9987	7.0718	7.1123	0.03357	-0.0163	-0.00428	0.0113	0.0096377
50	7.015	7.076	7.1078	0.026617	6.9958	7.0696	7.1087	0.034495	-0.0192	-0.00649	0.0077	0.0091513

Device Test: 15.5 THRESHOLD|FALL/BOOT/12/////@V_BOOT_TH_FALL





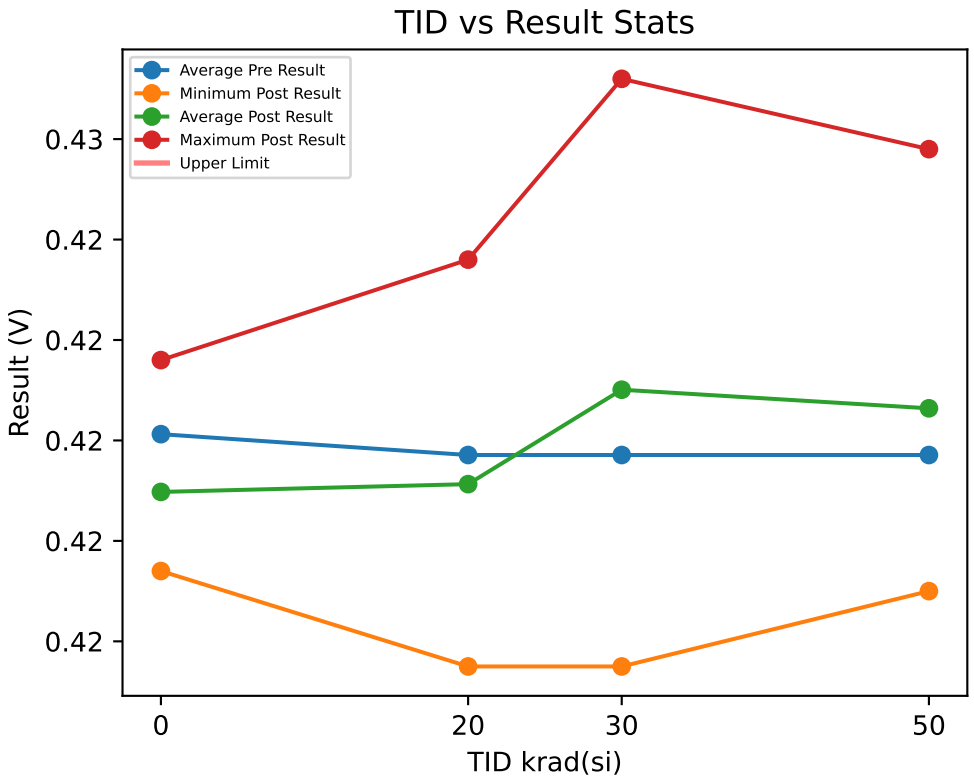
Test Results (Lower Limit = 6.2, Upper Limit = 7.0 (V))

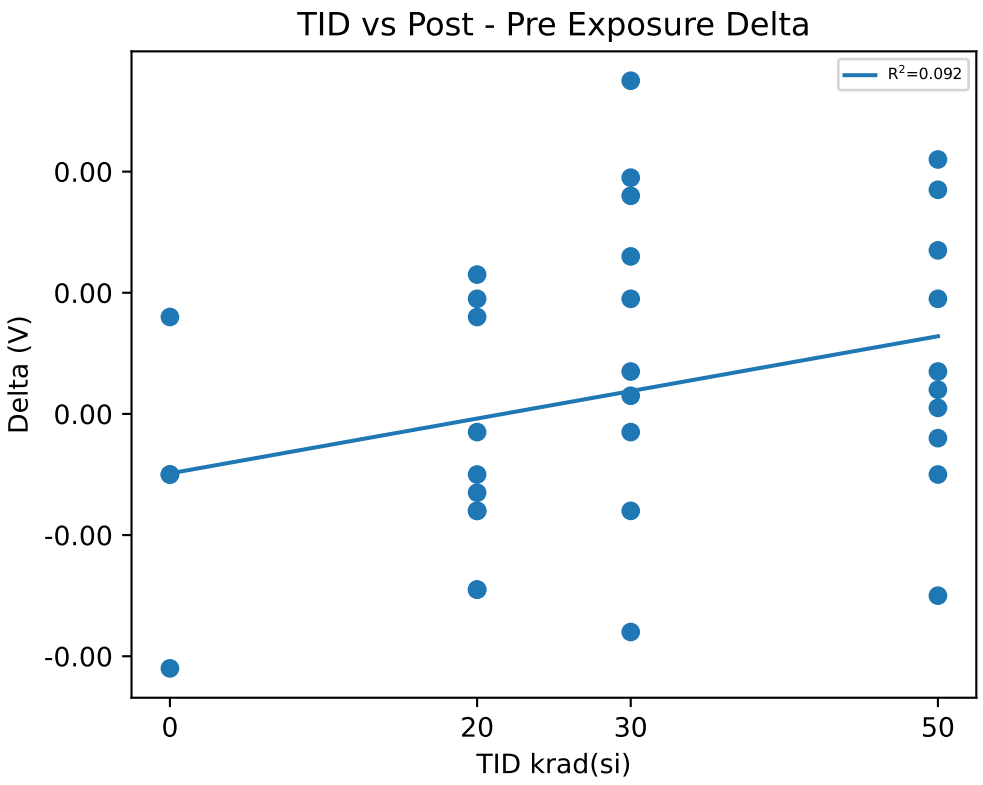
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
41	0	CORRELATION	6.5867	6.5874	0.0007
42	0	CORRELATION	6.6436	6.6462	0.0026
43	0	CORRELATION	6.6562	6.6607	0.0045
45	0	CORRELATION	6.6248	6.6274	0.0026
71	20	LDR BIAS	6.6465	6.6419	-0.0046
72	20	LDR BIAS	6.5979	6.5953	-0.0026
73	20	LDR BIAS	6.6549	6.6582	0.0033
74	20	LDR BIAS	6.6381	6.6258	-0.0123
75	20	LDR BIAS	6.6549	6.651	-0.0039
76	20	LDR UNBIAS	6.668	6.6719	0.0039
77	20	LDR UNBIAS	6.6793	6.6851	0.0058
78	20	LDR UNBIAS	6.6612	6.6595	-0.0017
79	20	LDR UNBIAS	6.6763	6.678	0.0017
80	20	LDR UNBIAS	6.6862	6.6849	-0.0013
81	30	LDR BIAS	6.6465	6.6387	-0.0078
82	30	LDR BIAS	6.5979	6.582	-0.0159
83	30	LDR BIAS	6.6549	6.652	-0.0029
84	30	LDR BIAS	6.6381	6.6203	-0.0178
85	30	LDR BIAS	6.6549	6.6455	-0.0094
86	30	LDR UNBIAS	6.668	6.6741	0.0061
87	30	LDR UNBIAS	6.6793	6.6851	0.0058
88	30	LDR UNBIAS	6.6612	6.6576	-0.0036
89	30	LDR UNBIAS	6.6763	6.6754	-0.0009
90	30	LDR UNBIAS	6.6862	6.6771	-0.0091
91	50	LDR BIAS	6.6465	6.6307	-0.0158
92	50	LDR BIAS	6.5979	6.5768	-0.0211
93	50	LDR BIAS	6.6549	6.6434	-0.0115
94	50	LDR BIAS	6.6381	6.6252	-0.0129
95	50	LDR BIAS	6.6549	6.6414	-0.0135
96	50	LDR UNBIAS	6.668	6.6697	0.0017
97	50	LDR UNBIAS	6.6793	6.6863	0.007
98	50	LDR UNBIAS	6.6612	6.6645	0.0033
99	50	LDR UNBIAS	6.6763	6.671	-0.0053
100	50	LDR UNBIAS	6.6862	6.6801	-0.0061

Test Statistics (V)

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	6.5867	6.6278	6.6562	0.030301	6.5874	6.6304	6.6607	0.031758	0.0007	0.0026	0.0045	0.0015513
20	6.5979	6.6563	6.6862	0.025442	6.5953	6.6552	6.6851	0.028381	-0.0123	-0.00117	0.0058	0.0052487
30	6.5979	6.6563	6.6862	0.025442	6.582	6.6508	6.6851	0.03145	-0.0178	-0.00555	0.0061	0.0080737
50	6.5979	6.6563	6.6862	0.025442	6.5768	6.6489	6.6863	0.032854	-0.0211	-0.00742	0.007	0.0091486

Device Test: 15.6 THRESHOLD|HYST/BOOT/12/////@V_BOOT_TH_HYST





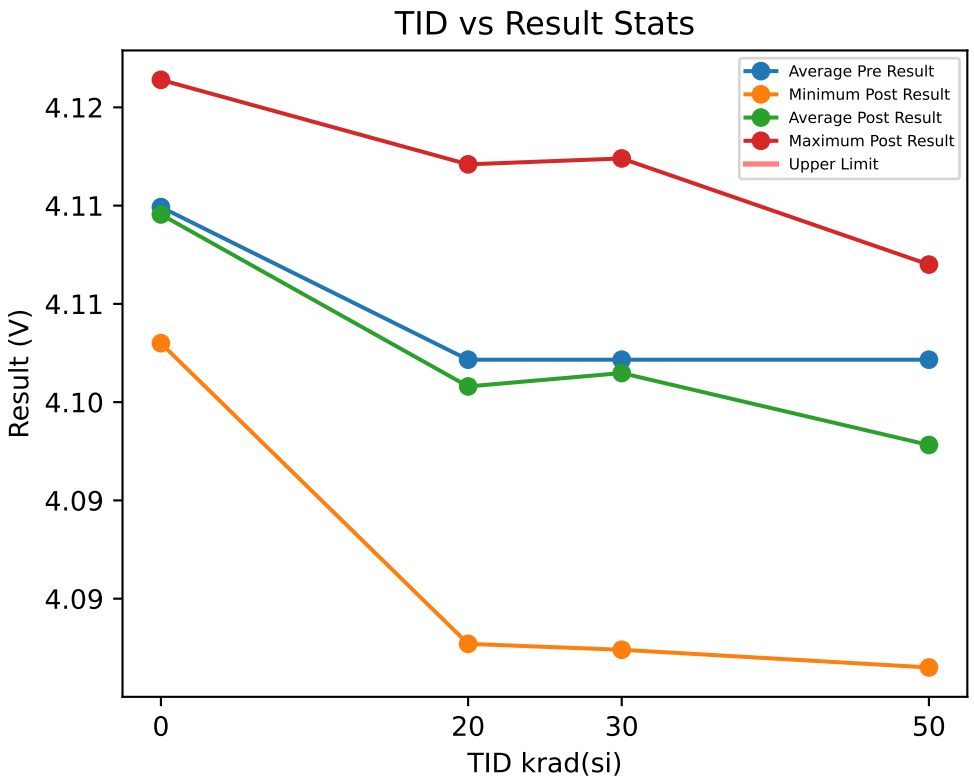
Test Results (No Limits Specified (V))

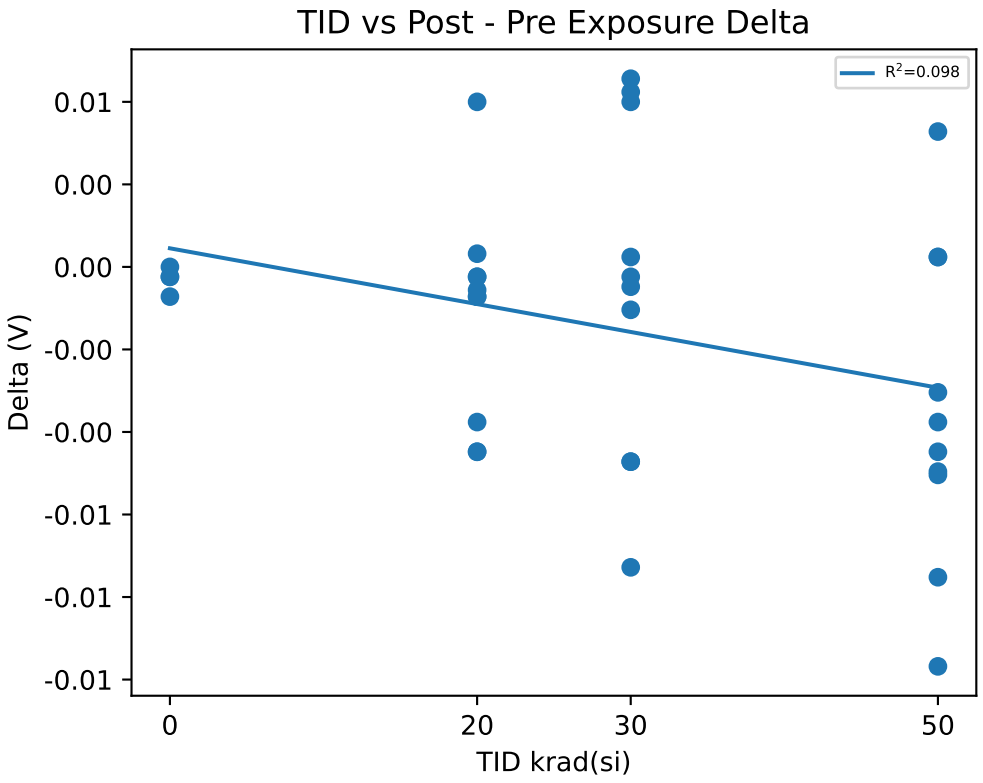
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
41	0	CORRELATION	0.4175	0.4191	0.0016
42	0	CORRELATION	0.4226	0.4216	-0.001
43	0	CORRELATION	0.422	0.4178	-0.0042
45	0	CORRELATION	0.4184	0.4174	-0.001
71	20	LDR BIAS	0.4178	0.4175	-0.0003
72	20	LDR BIAS	0.4171	0.4155	-0.0016
73	20	LDR BIAS	0.4191	0.4178	-0.0013
74	20	LDR BIAS	0.421	0.4181	-0.0029
75	20	LDR BIAS	0.4191	0.4207	0.0016
76	20	LDR UNBIAS	0.4174	0.4164	-0.001
77	20	LDR UNBIAS	0.4217	0.4236	0.0019
78	20	LDR UNBIAS	0.4213	0.4197	-0.0016
79	20	LDR UNBIAS	0.421	0.4233	0.0023
80	20	LDR UNBIAS	0.4216	0.4187	-0.0029
81	30	LDR BIAS	0.4178	0.4181	0.0003
82	30	LDR BIAS	0.4171	0.4168	-0.0003
83	30	LDR BIAS	0.4191	0.4155	-0.0036
84	30	LDR BIAS	0.421	0.4229	0.0019
85	30	LDR BIAS	0.4191	0.4198	0.0007
86	30	LDR UNBIAS	0.4174	0.42	0.0026
87	30	LDR UNBIAS	0.4217	0.4272	0.0055
88	30	LDR UNBIAS	0.4213	0.4252	0.0039
89	30	LDR UNBIAS	0.421	0.4246	0.0036
90	30	LDR UNBIAS	0.4216	0.42	-0.0016
91	50	LDR BIAS	0.4178	0.4182	0.0004
92	50	LDR BIAS	0.4171	0.419	0.0019
93	50	LDR BIAS	0.4191	0.4192	0.0001
94	50	LDR BIAS	0.421	0.418	-0.003
95	50	LDR BIAS	0.4191	0.4218	0.0027
96	50	LDR UNBIAS	0.4174	0.417	-0.0004
97	50	LDR UNBIAS	0.4217	0.4224	0.0007
98	50	LDR UNBIAS	0.4213	0.4203	-0.001
99	50	LDR UNBIAS	0.421	0.4247	0.0037
100	50	LDR UNBIAS	0.4216	0.4258	0.0042

Test Statistics (V)

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	0.4175	0.42012	0.4226	0.00255	0.4174	0.41897	0.4216	0.0018945	-0.0042	-0.00115	0.0016	0.0023742
20	0.4171	0.41971	0.4217	0.0018236	0.4155	0.41913	0.4236	0.0027175	-0.0029	-0.00058	0.0023	0.0019095
30	0.4171	0.41971	0.4217	0.0018236	0.4155	0.42101	0.4272	0.0038353	-0.0036	0.0013	0.0055	0.0027504
50	0.4171	0.41971	0.4217	0.0018236	0.417	0.42064	0.4258	0.0029553	-0.003	0.00093	0.0042	0.0022211

Device Test: 15.7 THRESHOLD|RISE/BP5L/10/8////@V_BP5L_TH_RISE





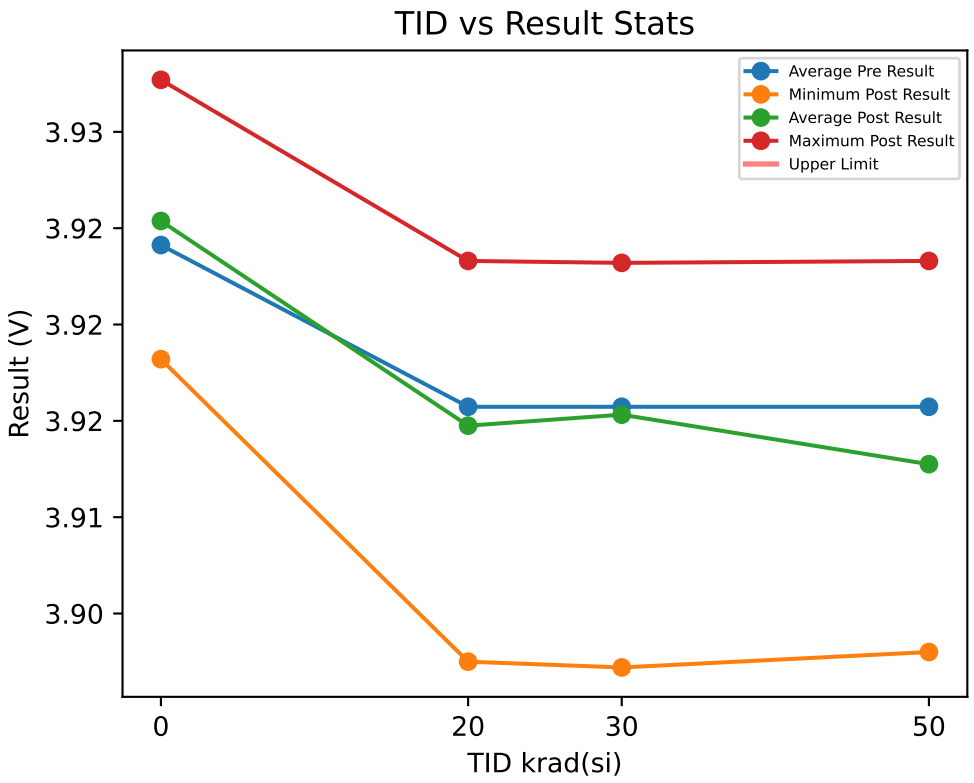
Test Results (No Limits Specified (V))

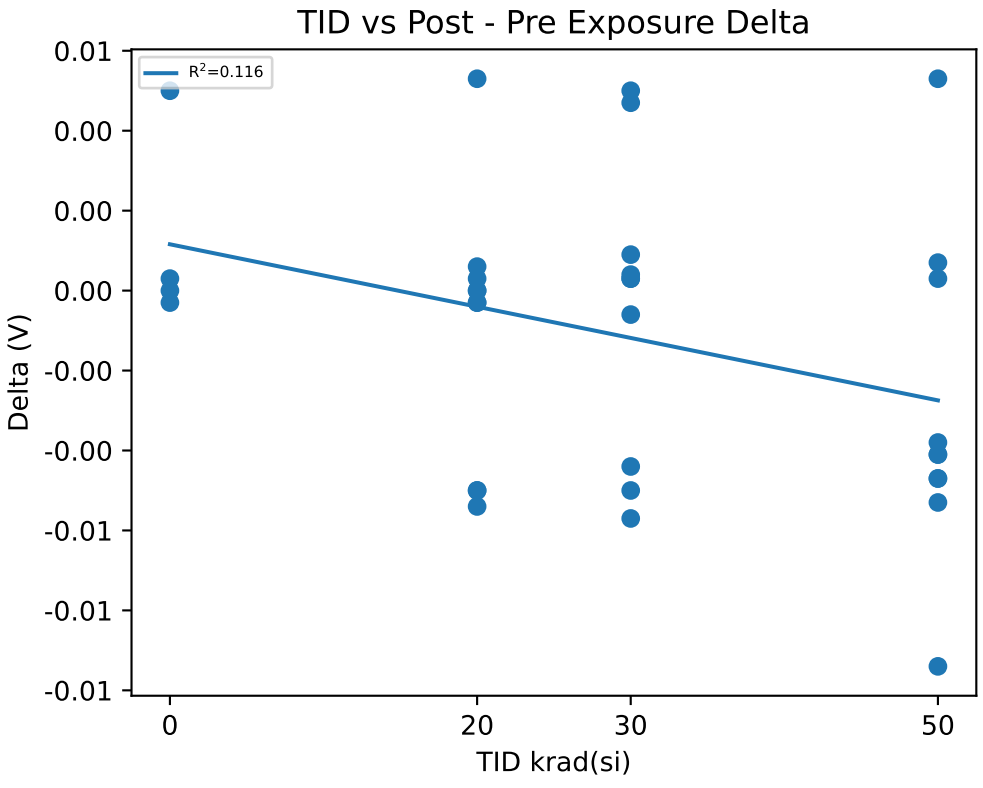
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
41	0	CORRELATION	4.1167	4.1164	-0.0003
42	0	CORRELATION	4.1121	4.1121	0
43	0	CORRELATION	4.1076	4.1067	-0.0009
45	0	CORRELATION	4.1033	4.103	-0.0003
71	20	LDR BIAS	4.0923	4.0927	0.0004
72	20	LDR BIAS	4.0933	4.0877	-0.0056
73	20	LDR BIAS	4.1067	4.1064	-0.0003
74	20	LDR BIAS	4.1037	4.103	-0.0007
75	20	LDR BIAS	4.1126	4.1117	-0.0009
76	20	LDR UNBIAS	4.0983	4.0974	-0.0009
77	20	LDR UNBIAS	4.1117	4.107	-0.0047
78	20	LDR UNBIAS	4.0986	4.093	-0.0056
79	20	LDR UNBIAS	4.0973	4.097	-0.0003
80	20	LDR UNBIAS	4.1071	4.1121	0.005
81	30	LDR BIAS	4.0923	4.098	0.0057
82	30	LDR BIAS	4.0933	4.0874	-0.0059
83	30	LDR BIAS	4.1067	4.107	0.0003
84	30	LDR BIAS	4.1037	4.1024	-0.0013
85	30	LDR BIAS	4.1126	4.112	-0.0006
86	30	LDR UNBIAS	4.0983	4.098	-0.0003
87	30	LDR UNBIAS	4.1117	4.1026	-0.0091
88	30	LDR UNBIAS	4.0986	4.0927	-0.0059
89	30	LDR UNBIAS	4.0973	4.1023	0.005
90	30	LDR UNBIAS	4.1071	4.1124	0.0053
91	50	LDR BIAS	4.0923	4.0926	0.0003
92	50	LDR BIAS	4.0933	4.0871	-0.0062
93	50	LDR BIAS	4.1067	4.1029	-0.0038
94	50	LDR BIAS	4.1037	4.0974	-0.0063
95	50	LDR BIAS	4.1126	4.107	-0.0056
96	50	LDR UNBIAS	4.0983	4.1024	0.0041
97	50	LDR UNBIAS	4.1117	4.1023	-0.0094
98	50	LDR UNBIAS	4.0986	4.0865	-0.0121
99	50	LDR UNBIAS	4.0973	4.0976	0.0003
100	50	LDR UNBIAS	4.1071	4.1024	-0.0047

Test Statistics (V)

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	4.1033	4.1099	4.1167	0.0057714	4.103	4.1095	4.1164	0.0059006	-0.0009	-0.000375	0	0.00037749
20	4.0923	4.1022	4.1126	0.0072595	4.0877	4.1008	4.1121	0.0084669	-0.0056	-0.00136	0.005	0.0032277
30	4.0923	4.1022	4.1126	0.0072595	4.0874	4.1015	4.1124	0.0079072	-0.0091	-0.00068	0.0057	0.0051166
50	4.0923	4.1022	4.1126	0.0072595	4.0865	4.0978	4.107	0.007013	-0.0121	-0.00434	0.0041	0.0048238

Device Test: 15.8 THRESHOLD|FALL/BP5L/10/8////@V_BP5L_TH_FALL





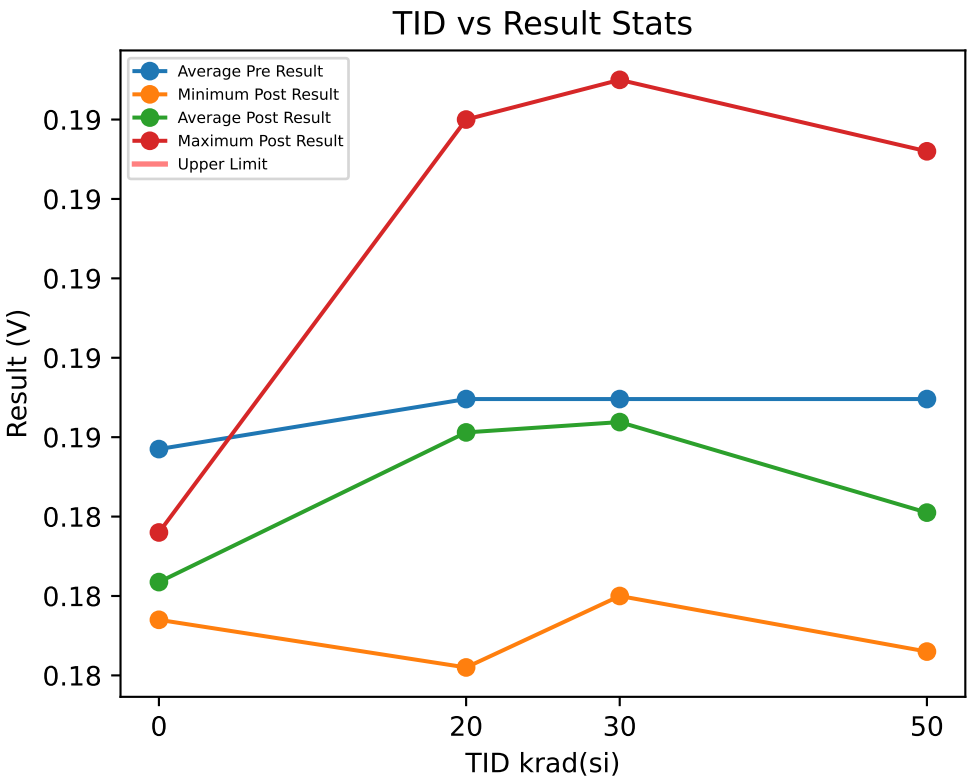
Test Results (No Limits Specified (V))

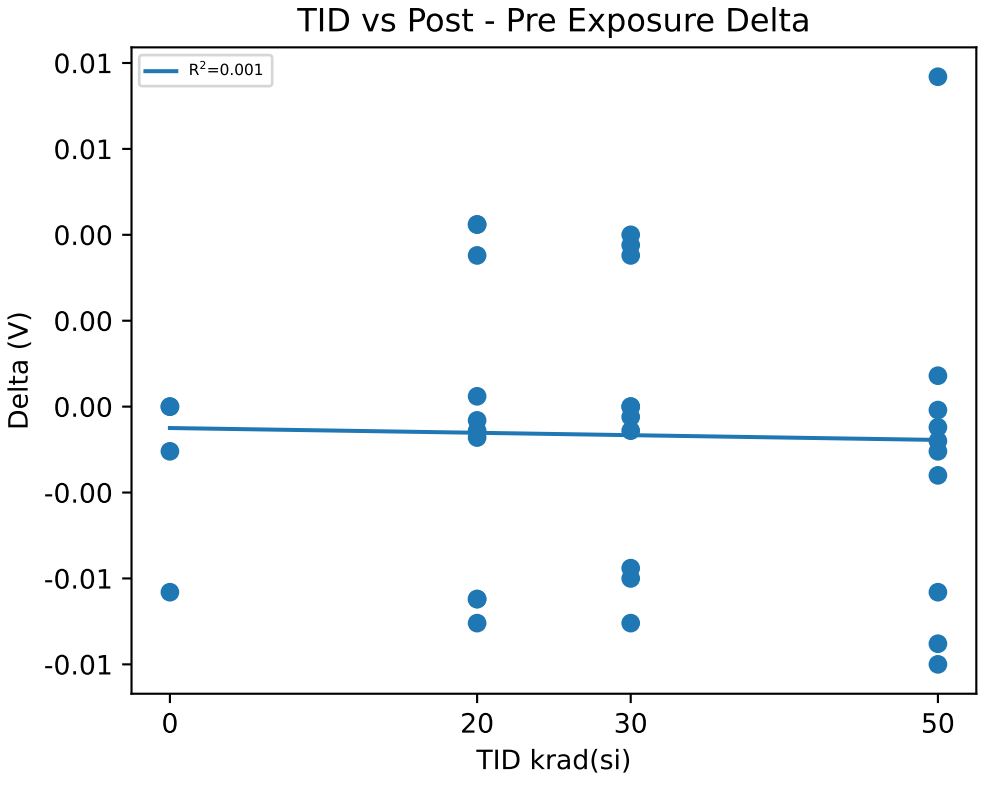
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
41	0	CORRELATION	3.933	3.9327	-0.0003
42	0	CORRELATION	3.9279	3.9279	0
43	0	CORRELATION	3.9224	3.9227	0.0003
45	0	CORRELATION	3.9132	3.9182	0.005
71	20	LDR BIAS	3.9124	3.9074	-0.005
72	20	LDR BIAS	3.9025	3.9025	0
73	20	LDR BIAS	3.9227	3.9233	0.0006
74	20	LDR BIAS	3.9185	3.9182	-0.0003
75	20	LDR BIAS	3.9271	3.9217	-0.0054
76	20	LDR UNBIAS	3.9079	3.9132	0.0053
77	20	LDR UNBIAS	3.9227	3.9177	-0.005
78	20	LDR UNBIAS	3.9079	3.9079	0
79	20	LDR UNBIAS	3.9127	3.913	0.0003
80	20	LDR UNBIAS	3.9229	3.9226	-0.0003
81	30	LDR BIAS	3.9124	3.9133	0.0009
82	30	LDR BIAS	3.9025	3.9029	0.0004
83	30	LDR BIAS	3.9227	3.923	0.0003
84	30	LDR BIAS	3.9185	3.9179	-0.0006
85	30	LDR BIAS	3.9271	3.9221	-0.005
86	30	LDR UNBIAS	3.9079	3.9126	0.0047
87	30	LDR UNBIAS	3.9227	3.9183	-0.0044
88	30	LDR UNBIAS	3.9079	3.9022	-0.0057
89	30	LDR UNBIAS	3.9127	3.9177	0.005
90	30	LDR UNBIAS	3.9229	3.9232	0.0003
91	50	LDR BIAS	3.9124	3.903	-0.0094
92	50	LDR BIAS	3.9025	3.9032	0.0007
93	50	LDR BIAS	3.9227	3.918	-0.0047
94	50	LDR BIAS	3.9185	3.9132	-0.0053
95	50	LDR BIAS	3.9271	3.9233	-0.0038
96	50	LDR UNBIAS	3.9079	3.9132	0.0053
97	50	LDR UNBIAS	3.9227	3.9186	-0.0041
98	50	LDR UNBIAS	3.9079	3.9032	-0.0047
99	50	LDR UNBIAS	3.9127	3.913	0.0003
100	50	LDR UNBIAS	3.9229	3.9188	-0.0041

Test Statistics (V)

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	3.9132	3.9241	3.933	0.0084725	3.9182	3.9254	3.9327	0.0062893	-0.0003	0.00125	0.005	0.002512
20	3.9025	3.9157	3.9271	0.0081883	3.9025	3.9148	3.9233	0.00715	-0.0054	-0.00098	0.0053	0.0033045
30	3.9025	3.9157	3.9271	0.0081883	3.9022	3.9153	3.9232	0.0076457	-0.0057	-0.00041	0.005	0.0037084
50	3.9025	3.9157	3.9271	0.0081883	3.903	3.9127	3.9233	0.0073607	-0.0094	-0.00298	0.0053	0.0040628

Device Test: 15.9 THRESHOLD|HYST/BP5L/10/8////@V_BP5L_TH_HYST





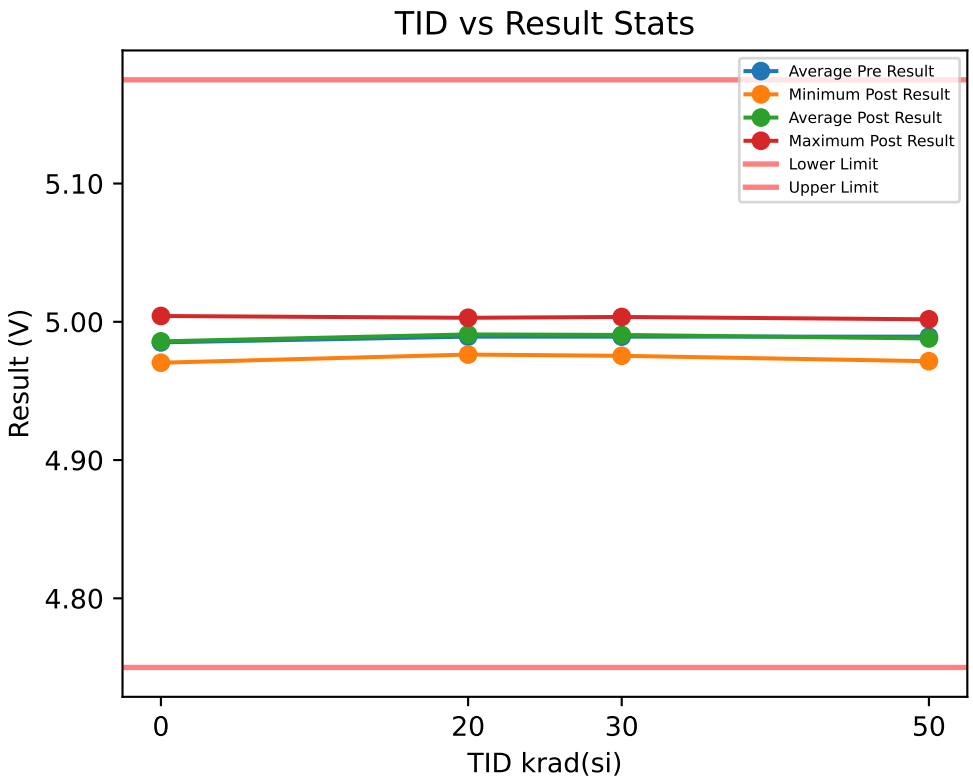
Test Results (No Limits Specified (V))

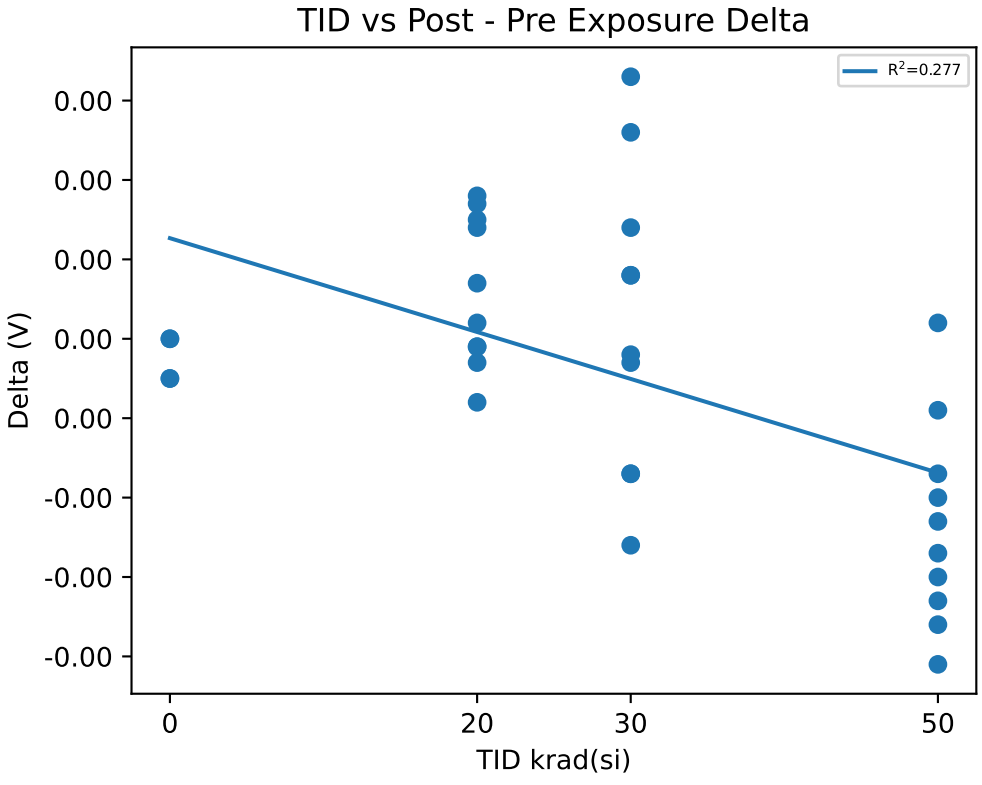
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
41	0	CORRELATION	0.1837	0.1837	0
42	0	CORRELATION	0.1842	0.1842	0
43	0	CORRELATION	0.1853	0.184	-0.0013
45	0	CORRELATION	0.1902	0.1848	-0.0054
71	20	LDR BIAS	0.18	0.1853	0.0053
72	20	LDR BIAS	0.1908	0.1852	-0.0056
73	20	LDR BIAS	0.184	0.1831	-0.0009
74	20	LDR BIAS	0.1852	0.1848	-0.0004
75	20	LDR BIAS	0.1856	0.19	0.0044
76	20	LDR UNBIAS	0.1905	0.1842	-0.0063
77	20	LDR UNBIAS	0.189	0.1893	0.0003
78	20	LDR UNBIAS	0.1908	0.1852	-0.0056
79	20	LDR UNBIAS	0.1847	0.184	-0.0007
80	20	LDR UNBIAS	0.1842	0.1895	0.0053
81	30	LDR BIAS	0.18	0.1847	0.0047
82	30	LDR BIAS	0.1908	0.1845	-0.0063
83	30	LDR BIAS	0.184	0.184	0
84	30	LDR BIAS	0.1852	0.1845	-0.0007
85	30	LDR BIAS	0.1856	0.19	0.0044
86	30	LDR UNBIAS	0.1905	0.1855	-0.005
87	30	LDR UNBIAS	0.189	0.1843	-0.0047
88	30	LDR UNBIAS	0.1908	0.1905	-0.0003
89	30	LDR UNBIAS	0.1847	0.1847	0
90	30	LDR UNBIAS	0.1842	0.1892	0.005
91	50	LDR BIAS	0.18	0.1896	0.0096
92	50	LDR BIAS	0.1908	0.1839	-0.0069
93	50	LDR BIAS	0.184	0.1849	0.0009
94	50	LDR BIAS	0.1852	0.1842	-0.001
95	50	LDR BIAS	0.1856	0.1836	-0.002
96	50	LDR UNBIAS	0.1905	0.1892	-0.0013
97	50	LDR UNBIAS	0.189	0.1836	-0.0054
98	50	LDR UNBIAS	0.1908	0.1833	-0.0075
99	50	LDR UNBIAS	0.1847	0.1846	-0.0001
100	50	LDR UNBIAS	0.1842	0.1836	-0.0006

Test Statistics (V)

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	0.1837	0.18585	0.1902	0.002976	0.1837	0.18418	0.1848	0.00046458	-0.0054	-0.001675	0	0.0025578
20	0.18	0.18648	0.1908	0.0036325	0.1831	0.18606	0.19	0.0025378	-0.0063	-0.00042	0.0053	0.0044439
30	0.18	0.18648	0.1908	0.0036325	0.184	0.18619	0.1905	0.0026066	-0.0063	-0.00029	0.005	0.0041227
50	0.18	0.18648	0.1908	0.0036325	0.1833	0.18505	0.1896	0.0023467	-0.0075	-0.00143	0.0096	0.0048603

Device Test: 16.1 LEVEL|OUT/BP5L/10/8////@V_BP5L





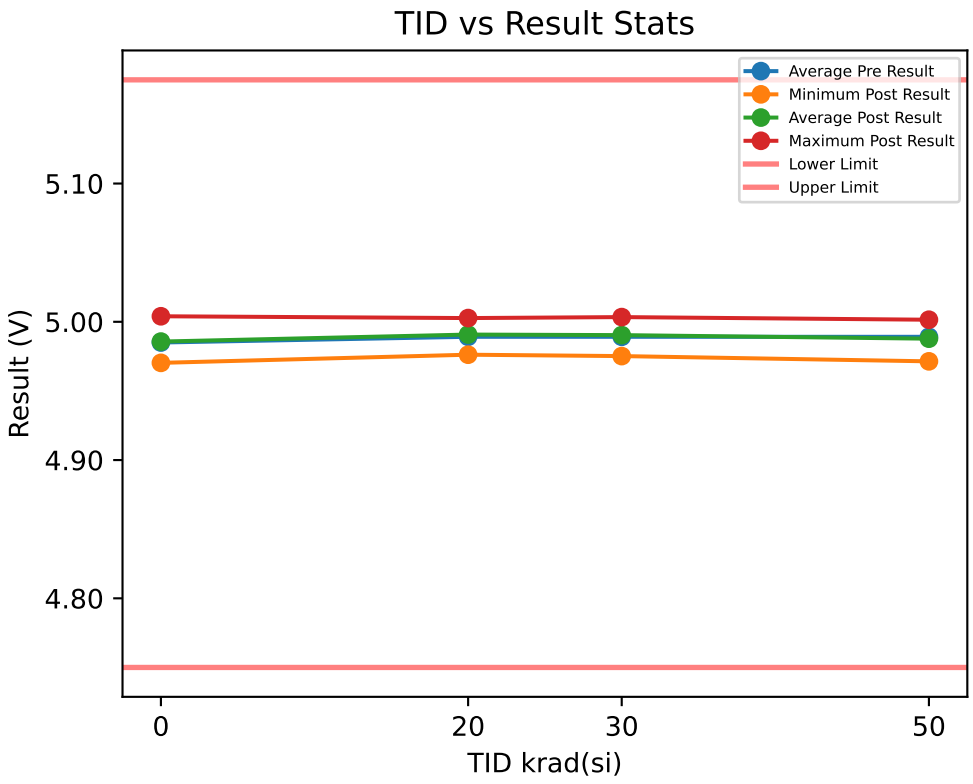
Test Results (Lower Limit = 4.75, Upper Limit = 5.175 (V))

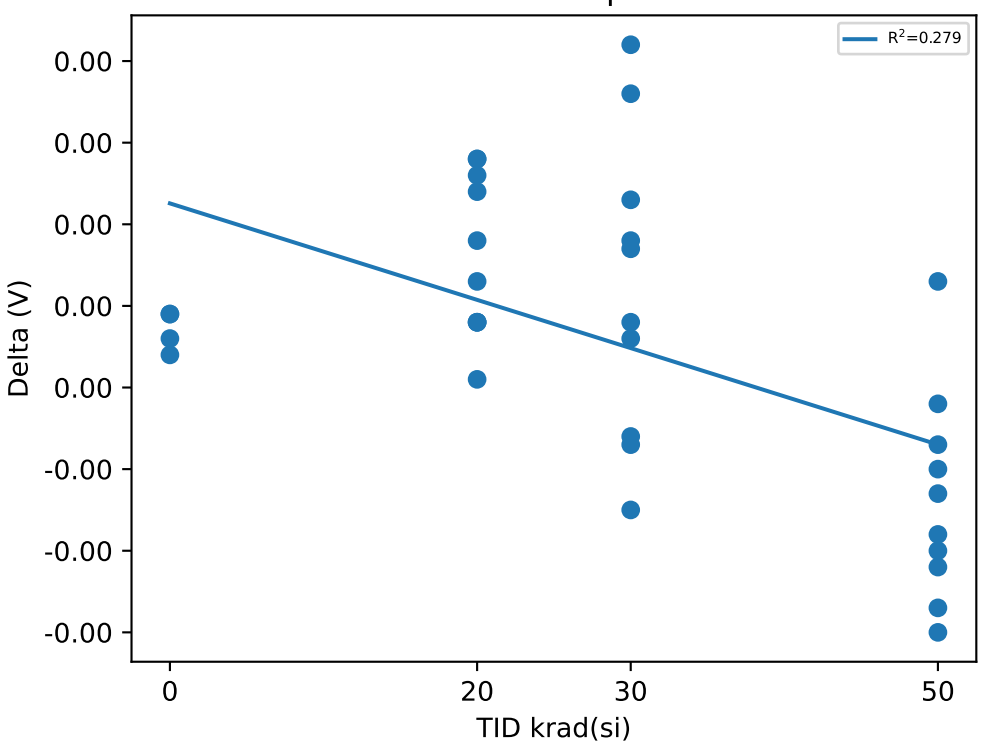
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
41	0	CORRELATION	4.9798	4.9803	0.0005
42	0	CORRELATION	5.0032	5.0042	0.001
43	0	CORRELATION	4.9875	4.9885	0.001
45	0	CORRELATION	4.9699	4.9704	0.0005
71	20	LDR BIAS	4.9846	4.9874	0.0028
72	20	LDR BIAS	4.9892	4.9901	0.0009
73	20	LDR BIAS	4.9788	4.9812	0.0024
74	20	LDR BIAS	4.9818	4.9845	0.0027
75	20	LDR BIAS	4.9746	4.9763	0.0017
76	20	LDR UNBIAS	5.0027	5.0029	0.0002
77	20	LDR UNBIAS	5.0017	5.0026	0.0009
78	20	LDR UNBIAS	4.9979	4.9991	0.0012
79	20	LDR UNBIAS	4.9835	4.986	0.0025
80	20	LDR UNBIAS	4.9979	4.9986	0.0007
81	30	LDR BIAS	4.9846	4.9882	0.0036
82	30	LDR BIAS	4.9892	4.9885	-0.0007
83	30	LDR BIAS	4.9788	4.9831	0.0043
84	30	LDR BIAS	4.9818	4.9836	0.0018
85	30	LDR BIAS	4.9746	4.9754	0.0008
86	30	LDR UNBIAS	5.0027	5.0034	0.0007
87	30	LDR UNBIAS	5.0017	5.0035	0.0018
88	30	LDR UNBIAS	4.9979	4.9972	-0.0007
89	30	LDR UNBIAS	4.9835	4.9859	0.0024
90	30	LDR UNBIAS	4.9979	4.9963	-0.0016
91	50	LDR BIAS	4.9846	4.9836	-0.001
92	50	LDR BIAS	4.9892	4.9879	-0.0013
93	50	LDR BIAS	4.9788	4.98	0.0012
94	50	LDR BIAS	4.9818	4.9811	-0.0007
95	50	LDR BIAS	4.9746	4.9715	-0.0031
96	50	LDR UNBIAS	5.0027	5.0001	-0.0026
97	50	LDR UNBIAS	5.0017	5.0018	0.0001
98	50	LDR UNBIAS	4.9979	4.9962	-0.0017
99	50	LDR UNBIAS	4.9835	4.9815	-0.002
100	50	LDR UNBIAS	4.9979	4.9956	-0.0023

Test Statistics (V)

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	4.9699	4.9851	5.0032	0.014053	4.9704	4.9859	5.0042	0.014297	0.0005	0.00075	0.001	0.00028868
20	4.9746	4.9893	5.0027	0.010108	4.9763	4.9909	5.0029	0.0093839	0.0002	0.0016	0.0028	0.00094399
30	4.9746	4.9893	5.0027	0.010108	4.9754	4.9905	5.0035	0.0092782	-0.0016	0.00124	0.0043	0.0019144
50	4.9746	4.9893	5.0027	0.010108	4.9715	4.9879	5.0018	0.01004	-0.0031	-0.00134	0.0012	0.0013006

Device Test: 16.2 LEVEL|OUT/BP5L/12/10////@V_BP5L





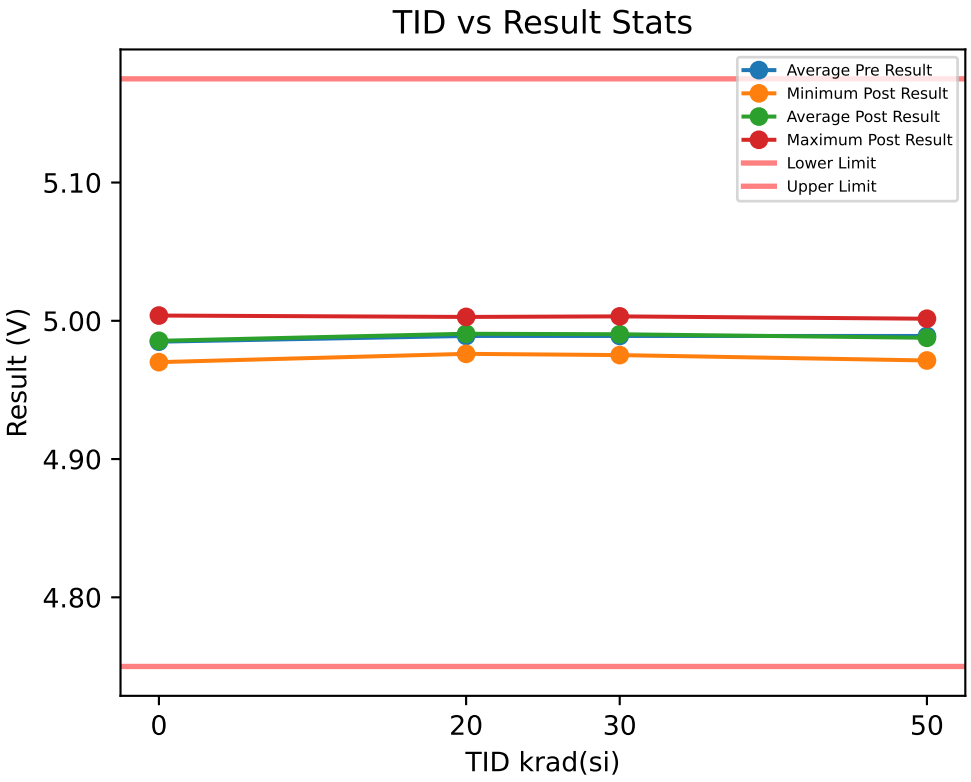
Test Results (Lower Limit = 4.75, Upper Limit = 5.175 (V))

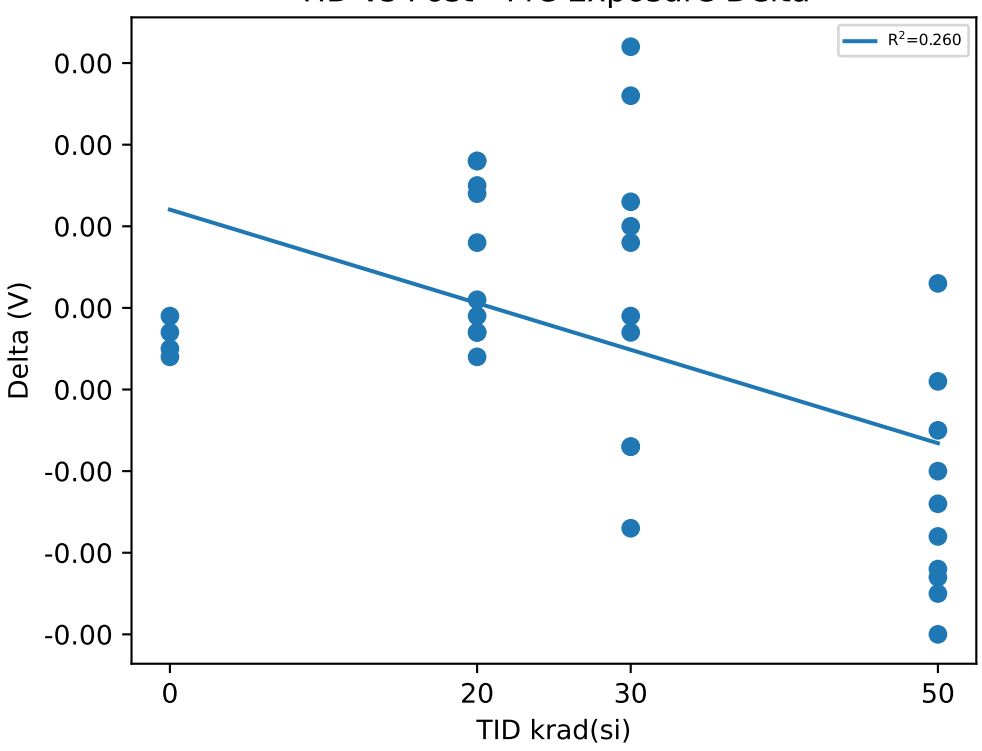
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
41	0	CORRELATION	4.9796	4.9802	0.0006
42	0	CORRELATION	5.0031	5.004	0.0009
43	0	CORRELATION	4.9874	4.9883	0.0009
45	0	CORRELATION	4.9699	4.9703	0.0004
71	20	LDR BIAS	4.9845	4.9873	0.0028
72	20	LDR BIAS	4.9891	4.9899	0.0008
73	20	LDR BIAS	4.9787	4.9811	0.0024
74	20	LDR BIAS	4.9816	4.9844	0.0028
75	20	LDR BIAS	4.9744	4.9762	0.0018
76	20	LDR UNBIAS	5.0026	5.0027	0.0001
77	20	LDR UNBIAS	5.0017	5.0025	0.0008
78	20	LDR UNBIAS	4.9978	4.9991	0.0013
79	20	LDR UNBIAS	4.9834	4.986	0.0026
80	20	LDR UNBIAS	4.9977	4.9985	0.0008
81	30	LDR BIAS	4.9845	4.9881	0.0036
82	30	LDR BIAS	4.9891	4.9885	-0.0006
83	30	LDR BIAS	4.9787	4.9829	0.0042
84	30	LDR BIAS	4.9816	4.9834	0.0018
85	30	LDR BIAS	4.9744	4.9752	0.0008
86	30	LDR UNBIAS	5.0026	5.0032	0.0006
87	30	LDR UNBIAS	5.0017	5.0034	0.0017
88	30	LDR UNBIAS	4.9978	4.9971	-0.0007
89	30	LDR UNBIAS	4.9834	4.9857	0.0023
90	30	LDR UNBIAS	4.9977	4.9962	-0.0015
91	50	LDR BIAS	4.9845	4.9835	-0.001
92	50	LDR BIAS	4.9891	4.9878	-0.0013
93	50	LDR BIAS	4.9787	4.98	0.0013
94	50	LDR BIAS	4.9816	4.9809	-0.0007
95	50	LDR BIAS	4.9744	4.9714	-0.003
96	50	LDR UNBIAS	5.0026	4.9999	-0.0027
97	50	LDR UNBIAS	5.0017	5.0015	-0.0002
98	50	LDR UNBIAS	4.9978	4.996	-0.0018
99	50	LDR UNBIAS	4.9834	4.9814	-0.002
100	50	LDR UNBIAS	4.9977	4.9955	-0.0022

Test Statistics (V)

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	4.9699	4.985	5.0031	0.01403	4.9703	4.9857	5.004	0.014249	0.0004	0.0007	0.0009	0.00024495
20	4.9744	4.9892	5.0026	0.010137	4.9762	4.9908	5.0027	0.0093748	0.0001	0.00162	0.0028	0.00098972
30	4.9744	4.9892	5.0026	0.010137	4.9752	4.9904	5.0034	0.0093014	-0.0015	0.00122	0.0042	0.001863
50	4.9744	4.9892	5.0026	0.010137	4.9714	4.9878	5.0015	0.009986	-0.003	-0.00136	0.0013	0.0012817

Device Test: 16.3 LEVEL|OUT/BP5L/14/14////@V_BP5L





Test Results (Lower Limit = 4.75, Upper Limit = 5.175 (V))

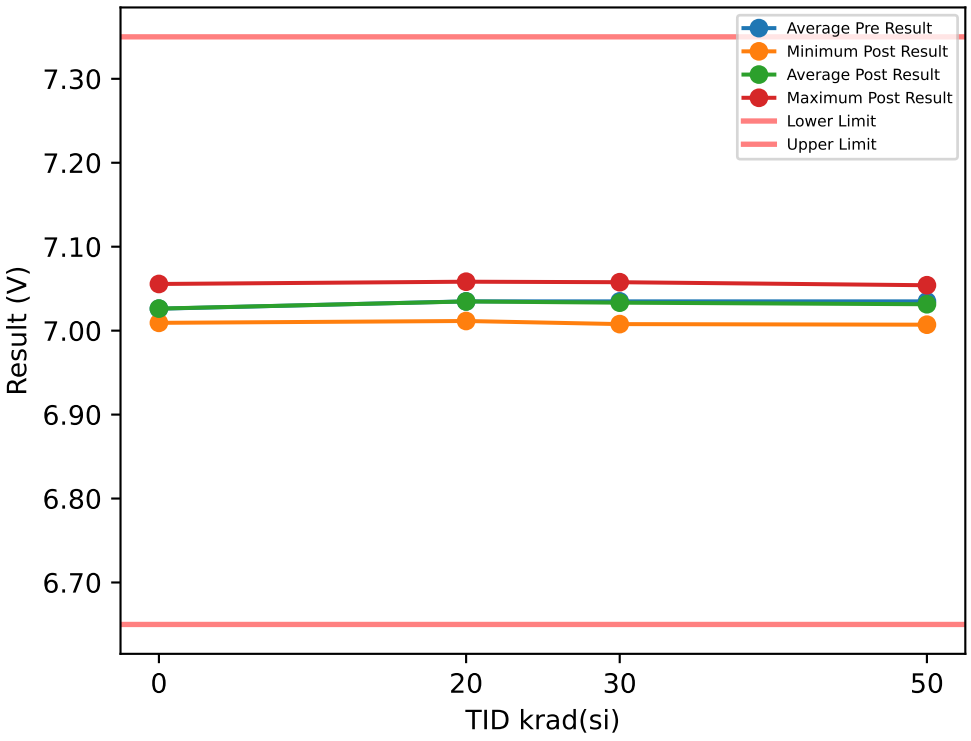
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
41	0	CORRELATION	4.9795	4.98	0.0005
42	0	CORRELATION	5.0031	5.0038	0.0007
43	0	CORRELATION	4.9873	4.9882	0.0009
45	0	CORRELATION	4.9697	4.9701	0.0004
71	20	LDR BIAS	4.9844	4.9872	0.0028
72	20	LDR BIAS	4.9891	4.9898	0.0007
73	20	LDR BIAS	4.9785	4.981	0.0025
74	20	LDR BIAS	4.9814	4.9842	0.0028
75	20	LDR BIAS	4.9743	4.9761	0.0018
76	20	LDR UNBIAS	5.0024	5.0028	0.0004
77	20	LDR UNBIAS	5.0014	5.0023	0.0009
78	20	LDR UNBIAS	4.9977	4.9988	0.0011
79	20	LDR UNBIAS	4.9834	4.9858	0.0024
80	20	LDR UNBIAS	4.9977	4.9984	0.0007
81	30	LDR BIAS	4.9844	4.988	0.0036
82	30	LDR BIAS	4.9891	4.9884	-0.0007
83	30	LDR BIAS	4.9785	4.9827	0.0042
84	30	LDR BIAS	4.9814	4.9834	0.002
85	30	LDR BIAS	4.9743	4.9752	0.0009
86	30	LDR UNBIAS	5.0024	5.0031	0.0007
87	30	LDR UNBIAS	5.0014	5.0032	0.0018
88	30	LDR UNBIAS	4.9977	4.997	-0.0007
89	30	LDR UNBIAS	4.9834	4.9857	0.0023
90	30	LDR UNBIAS	4.9977	4.996	-0.0017
91	50	LDR BIAS	4.9844	4.9834	-0.001
92	50	LDR BIAS	4.9891	4.9877	-0.0014
93	50	LDR BIAS	4.9785	4.9798	0.0013
94	50	LDR BIAS	4.9814	4.9809	-0.0005
95	50	LDR BIAS	4.9743	4.9713	-0.003
96	50	LDR UNBIAS	5.0024	4.9999	-0.0025
97	50	LDR UNBIAS	5.0014	5.0015	0.0001
98	50	LDR UNBIAS	4.9977	4.9959	-0.0018
99	50	LDR UNBIAS	4.9834	4.9812	-0.0022
100	50	LDR UNBIAS	4.9977	4.9954	-0.0023

Test Statistics (V)

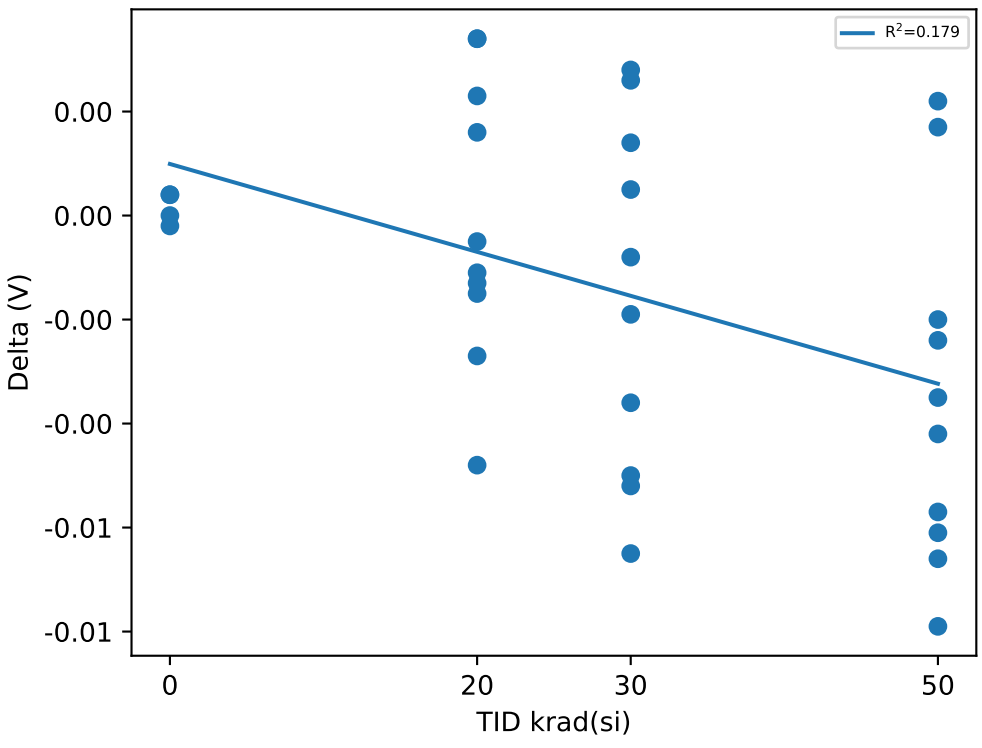
krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	4.9697	4.9849	5.0031	0.014109	4.9701	4.9855	5.0038	0.014255	0.0004	0.000625	0.0009	0.00022174
20	4.9743	4.989	5.0024	0.010118	4.9761	4.9906	5.0028	0.0093832	0.0004	0.00161	0.0028	0.00095272
30	4.9743	4.989	5.0024	0.010118	4.9752	4.9903	5.0032	0.009256	-0.0017	0.00124	0.0042	0.0019126
50	4.9743	4.989	5.0024	0.010118	4.9713	4.9877	5.0015	0.010023	-0.003	-0.00133	0.0013	0.0013267

Device Test: 16.4 LEVEL|OUT/BP7L/10/8////@V_BP7L

TID vs Result Stats



TID vs Post - Pre Exposure Delta



Test Results (Lower Limit = 6.65, Upper Limit = 7.35 (V))

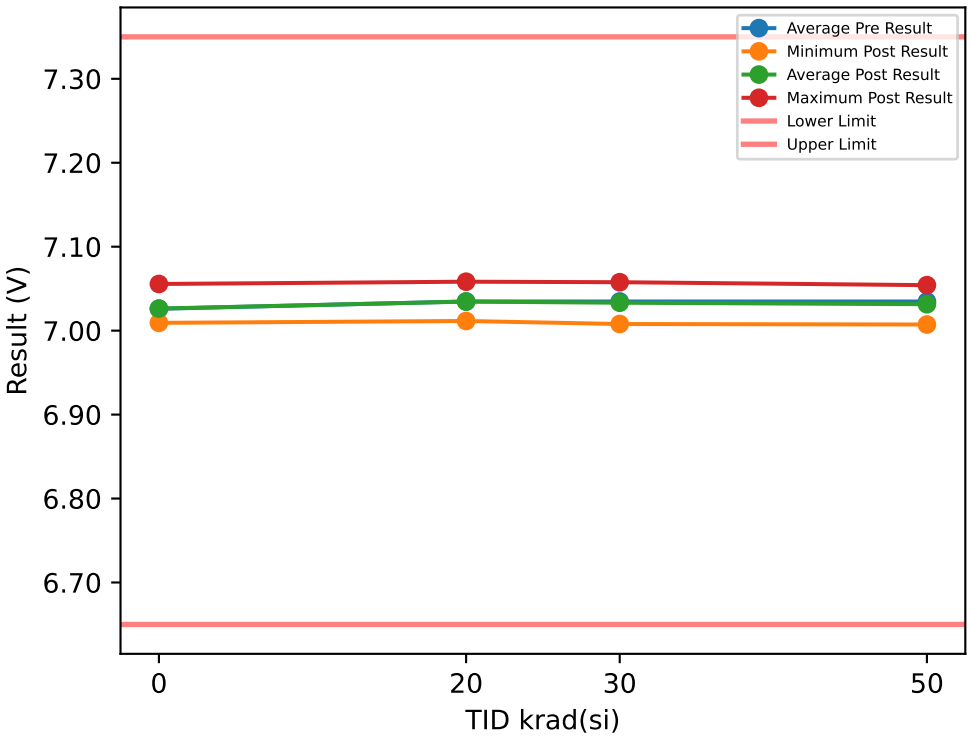
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
41	0	CORRELATION	7.0552	7.0556	0.0004
42	0	CORRELATION	7.0279	7.0277	-0.0002
43	0	CORRELATION	7.0121	7.0125	0.0004
45	0	CORRELATION	7.0093	7.0093	0
71	20	LDR BIAS	7.0182	7.0134	-0.0048
72	20	LDR BIAS	7.0151	7.0174	0.0023
73	20	LDR BIAS	7.0162	7.0196	0.0034
74	20	LDR BIAS	7.0549	7.0583	0.0034
75	20	LDR BIAS	7.0471	7.046	-0.0011
76	20	LDR UNBIAS	7.0551	7.0546	-0.0005
77	20	LDR UNBIAS	7.0583	7.0568	-0.0015
78	20	LDR UNBIAS	7.0128	7.0115	-0.0013
79	20	LDR UNBIAS	7.0408	7.0381	-0.0027
80	20	LDR UNBIAS	7.0304	7.032	0.0016
81	30	LDR BIAS	7.0182	7.0117	-0.0065
82	30	LDR BIAS	7.0151	7.0156	0.0005
83	30	LDR BIAS	7.0162	7.019	0.0028
84	30	LDR BIAS	7.0549	7.0563	0.0014
85	30	LDR BIAS	7.0471	7.0452	-0.0019
86	30	LDR UNBIAS	7.0551	7.0577	0.0026
87	30	LDR UNBIAS	7.0583	7.0547	-0.0036
88	30	LDR UNBIAS	7.0128	7.0078	-0.005
89	30	LDR UNBIAS	7.0408	7.0356	-0.0052
90	30	LDR UNBIAS	7.0304	7.0296	-0.0008
91	50	LDR BIAS	7.0182	7.0121	-0.0061
92	50	LDR BIAS	7.0151	7.0168	0.0017
93	50	LDR BIAS	7.0162	7.0184	0.0022
94	50	LDR BIAS	7.0549	7.0514	-0.0035
95	50	LDR BIAS	7.0471	7.0405	-0.0066
96	50	LDR UNBIAS	7.0551	7.0527	-0.0024
97	50	LDR UNBIAS	7.0583	7.0541	-0.0042
98	50	LDR UNBIAS	7.0128	7.0071	-0.0057
99	50	LDR UNBIAS	7.0408	7.0329	-0.0079
100	50	LDR UNBIAS	7.0304	7.0284	-0.002

Test Statistics (V)

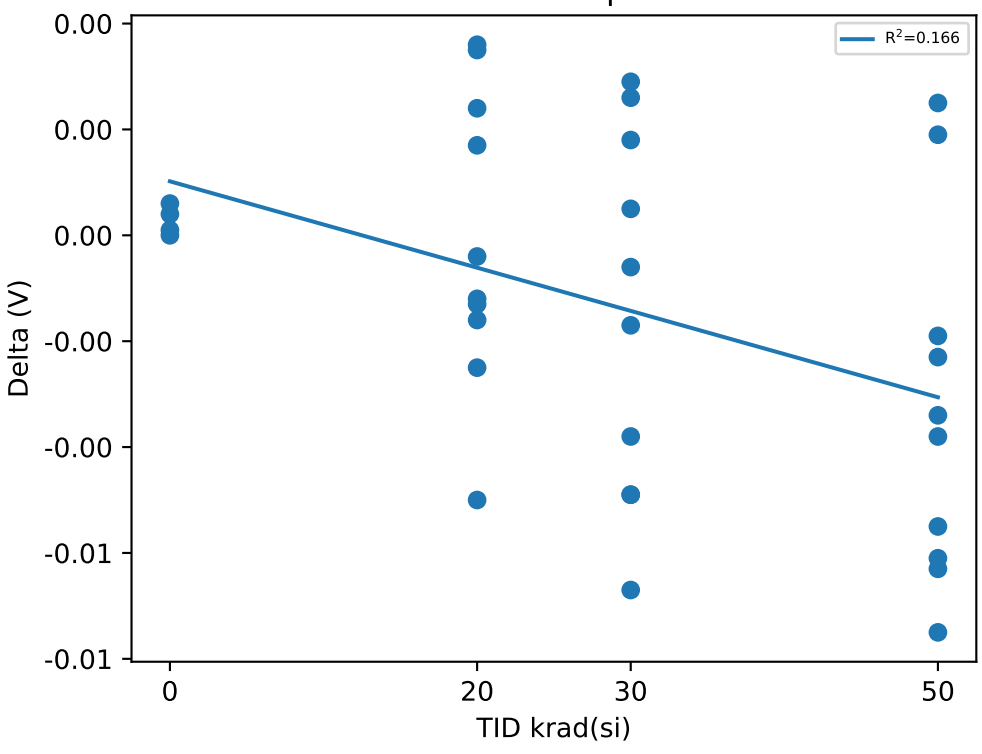
krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	7.0093	7.0261	7.0552	0.021042	7.0093	7.0263	7.0556	0.021134	-0.0002	0.00015	0.0004	0.0003
20	7.0128	7.0349	7.0583	0.018465	7.0115	7.0348	7.0583	0.01858	-0.0048	-0.00012	0.0034	0.0027194
30	7.0128	7.0349	7.0583	0.018465	7.0078	7.0333	7.0577	0.019372	-0.0065	-0.00157	0.0028	0.0033938
50	7.0128	7.0349	7.0583	0.018465	7.0071	7.0314	7.0541	0.017664	-0.0079	-0.00345	0.0022	0.0033998

Device Test: 16.5 LEVEL|OUT/BP7L/12/10////@V_BP7L

TID vs Result Stats



TID vs Post - Pre Exposure Delta



Test Results (Lower Limit = 6.65, Upper Limit = 7.35 (V))

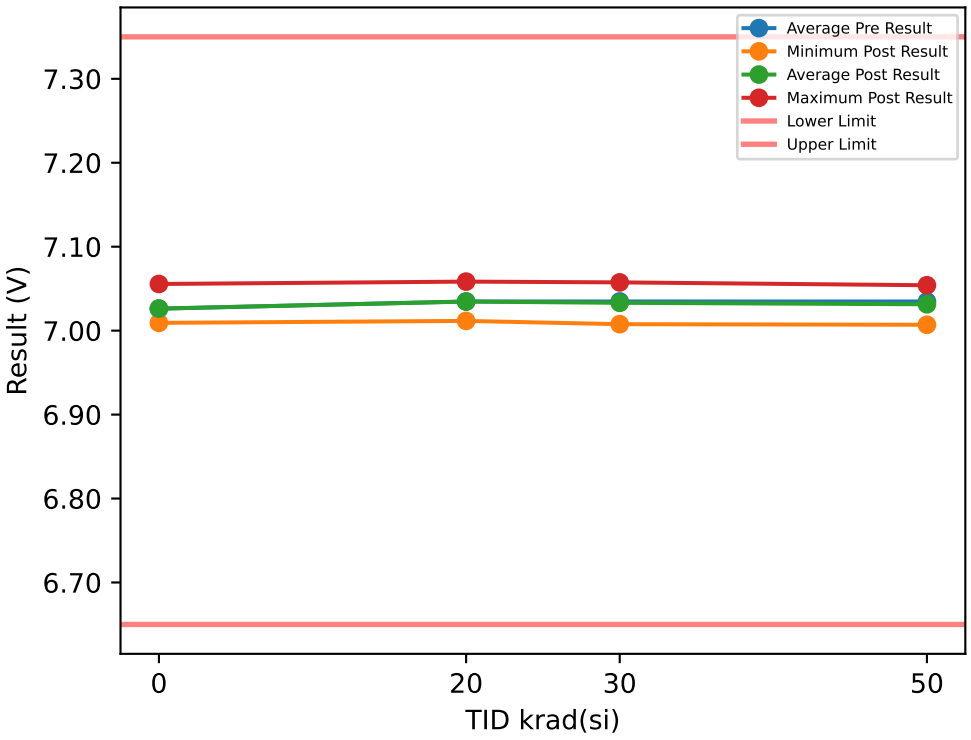
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
41	0	CORRELATION	7.0552	7.0556	0.0004
42	0	CORRELATION	7.0279	7.0279	0
43	0	CORRELATION	7.0118	7.0124	0.0006
45	0	CORRELATION	7.0092	7.0093	0.0001
71	20	LDR BIAS	7.018	7.013	-0.005
72	20	LDR BIAS	7.0151	7.0175	0.0024
73	20	LDR BIAS	7.0159	7.0194	0.0035
74	20	LDR BIAS	7.0547	7.0583	0.0036
75	20	LDR BIAS	7.0469	7.0457	-0.0012
76	20	LDR UNBIAS	7.0551	7.0547	-0.0004
77	20	LDR UNBIAS	7.058	7.0564	-0.0016
78	20	LDR UNBIAS	7.0128	7.0115	-0.0013
79	20	LDR UNBIAS	7.0405	7.038	-0.0025
80	20	LDR UNBIAS	7.0303	7.032	0.0017
81	30	LDR BIAS	7.018	7.0113	-0.0067
82	30	LDR BIAS	7.0151	7.0156	0.0005
83	30	LDR BIAS	7.0159	7.0188	0.0029
84	30	LDR BIAS	7.0547	7.0565	0.0018
85	30	LDR BIAS	7.0469	7.0452	-0.0017
86	30	LDR UNBIAS	7.0551	7.0577	0.0026
87	30	LDR UNBIAS	7.058	7.0542	-0.0038
88	30	LDR UNBIAS	7.0128	7.0079	-0.0049
89	30	LDR UNBIAS	7.0405	7.0356	-0.0049
90	30	LDR UNBIAS	7.0303	7.0297	-0.0006
91	50	LDR BIAS	7.018	7.0119	-0.0061
92	50	LDR BIAS	7.0151	7.017	0.0019
93	50	LDR BIAS	7.0159	7.0184	0.0025
94	50	LDR BIAS	7.0547	7.0513	-0.0034
95	50	LDR BIAS	7.0469	7.0406	-0.0063
96	50	LDR UNBIAS	7.0551	7.0528	-0.0023
97	50	LDR UNBIAS	7.058	7.0542	-0.0038
98	50	LDR UNBIAS	7.0128	7.0073	-0.0055
99	50	LDR UNBIAS	7.0405	7.033	-0.0075
100	50	LDR UNBIAS	7.0303	7.0284	-0.0019

Test Statistics (V)

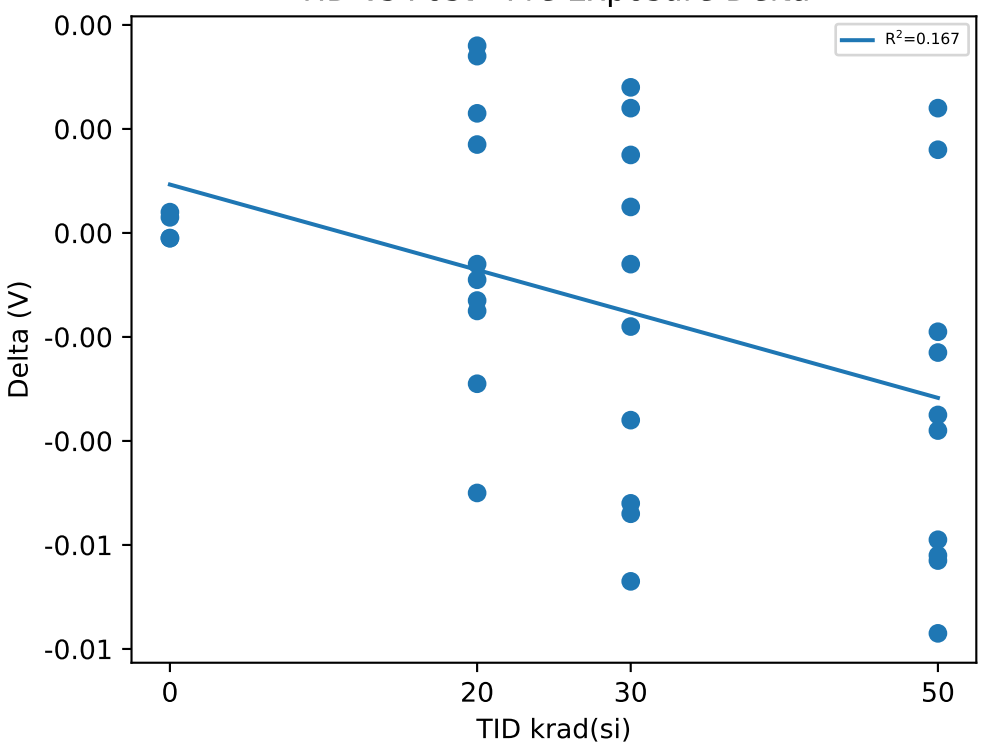
krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	7.0092	7.026	7.0552	0.021135	7.0093	7.0263	7.0556	0.02116	0	0.000275	0.0006	0.00027538
20	7.0128	7.0347	7.058	0.01843	7.0115	7.0347	7.0583	0.018577	-0.005	-8e-05	0.0036	0.0028067
30	7.0128	7.0347	7.058	0.01843	7.0079	7.0332	7.0577	0.019388	-0.0067	-0.00148	0.0029	0.0034538
50	7.0128	7.0347	7.058	0.01843	7.0073	7.0315	7.0542	0.017661	-0.0075	-0.00324	0.0025	0.003386

Device Test: 16.6 LEVEL|OUT/BP7L/14/14////@V_BP7L

TID vs Result Stats



TID vs Post - Pre Exposure Delta



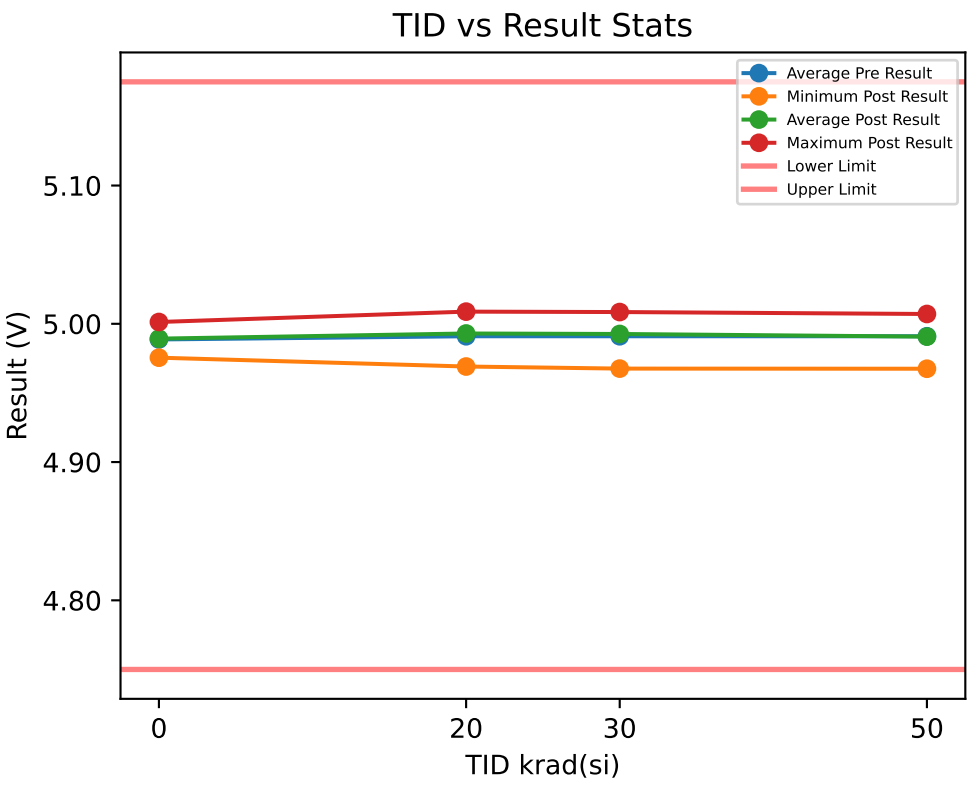
Test Results (Lower Limit = 6.65, Upper Limit = 7.35 (V))

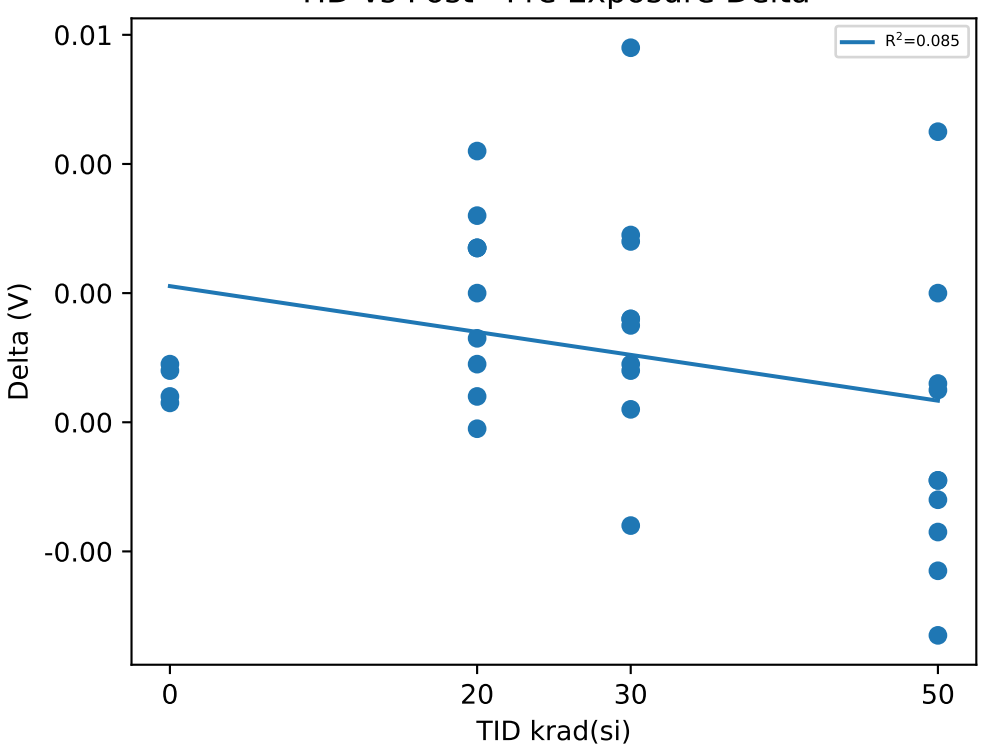
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
41	0	CORRELATION	7.0553	7.0556	0.0003
42	0	CORRELATION	7.028	7.0279	-0.0001
43	0	CORRELATION	7.0119	7.0123	0.0004
45	0	CORRELATION	7.0094	7.0093	-0.0001
71	20	LDR BIAS	7.0181	7.0131	-0.005
72	20	LDR BIAS	7.0151	7.0174	0.0023
73	20	LDR BIAS	7.016	7.0194	0.0034
74	20	LDR BIAS	7.0548	7.0584	0.0036
75	20	LDR BIAS	7.0468	7.0459	-0.0009
76	20	LDR UNBIAS	7.0551	7.0545	-0.0006
77	20	LDR UNBIAS	7.0579	7.0564	-0.0015
78	20	LDR UNBIAS	7.0129	7.0116	-0.0013
79	20	LDR UNBIAS	7.0407	7.0378	-0.0029
80	20	LDR UNBIAS	7.0302	7.0319	0.0017
81	30	LDR BIAS	7.0181	7.0114	-0.0067
82	30	LDR BIAS	7.0151	7.0156	0.0005
83	30	LDR BIAS	7.016	7.0188	0.0028
84	30	LDR BIAS	7.0548	7.0563	0.0015
85	30	LDR BIAS	7.0468	7.045	-0.0018
86	30	LDR UNBIAS	7.0551	7.0575	0.0024
87	30	LDR UNBIAS	7.0579	7.0543	-0.0036
88	30	LDR UNBIAS	7.0129	7.0077	-0.0052
89	30	LDR UNBIAS	7.0407	7.0353	-0.0054
90	30	LDR UNBIAS	7.0302	7.0296	-0.0006
91	50	LDR BIAS	7.0181	7.0119	-0.0062
92	50	LDR BIAS	7.0151	7.0167	0.0016
93	50	LDR BIAS	7.016	7.0184	0.0024
94	50	LDR BIAS	7.0548	7.0513	-0.0035
95	50	LDR BIAS	7.0468	7.0405	-0.0063
96	50	LDR UNBIAS	7.0551	7.0528	-0.0023
97	50	LDR UNBIAS	7.0579	7.0541	-0.0038
98	50	LDR UNBIAS	7.0129	7.007	-0.0059
99	50	LDR UNBIAS	7.0407	7.033	-0.0077
100	50	LDR UNBIAS	7.0302	7.0283	-0.0019

Test Statistics (V)

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	7.0094	7.0261	7.0553	0.021109	7.0093	7.0263	7.0556	0.021182	-0.0001	0.000125	0.0004	0.000263
20	7.0129	7.0348	7.0579	0.018396	7.0116	7.0346	7.0584	0.018562	-0.005	-0.00012	0.0036	0.0028102
30	7.0129	7.0348	7.0579	0.018396	7.0077	7.0332	7.0575	0.019346	-0.0067	-0.00161	0.0028	0.0034614
50	7.0129	7.0348	7.0579	0.018396	7.007	7.0314	7.0541	0.017717	-0.0077	-0.00336	0.0024	0.003387

Device Test: 16.7 LEVEL|OUT/BP5H/10/8////@V_BP5H





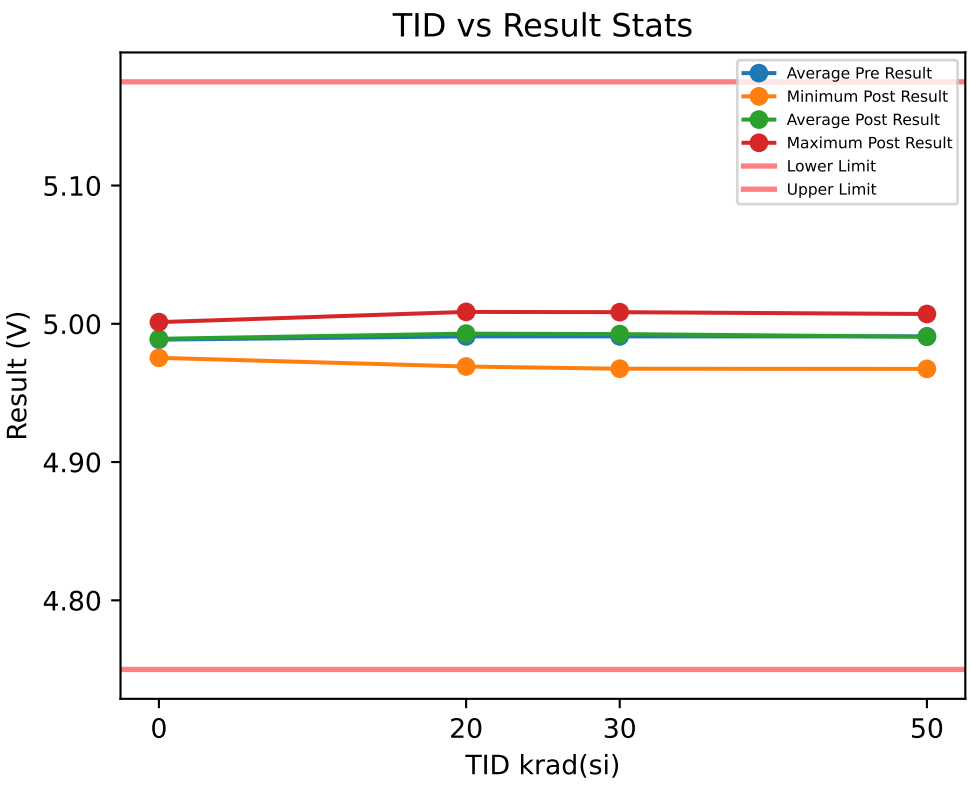
Test Results (Lower Limit = 4.75, Upper Limit = 5.175 (V))

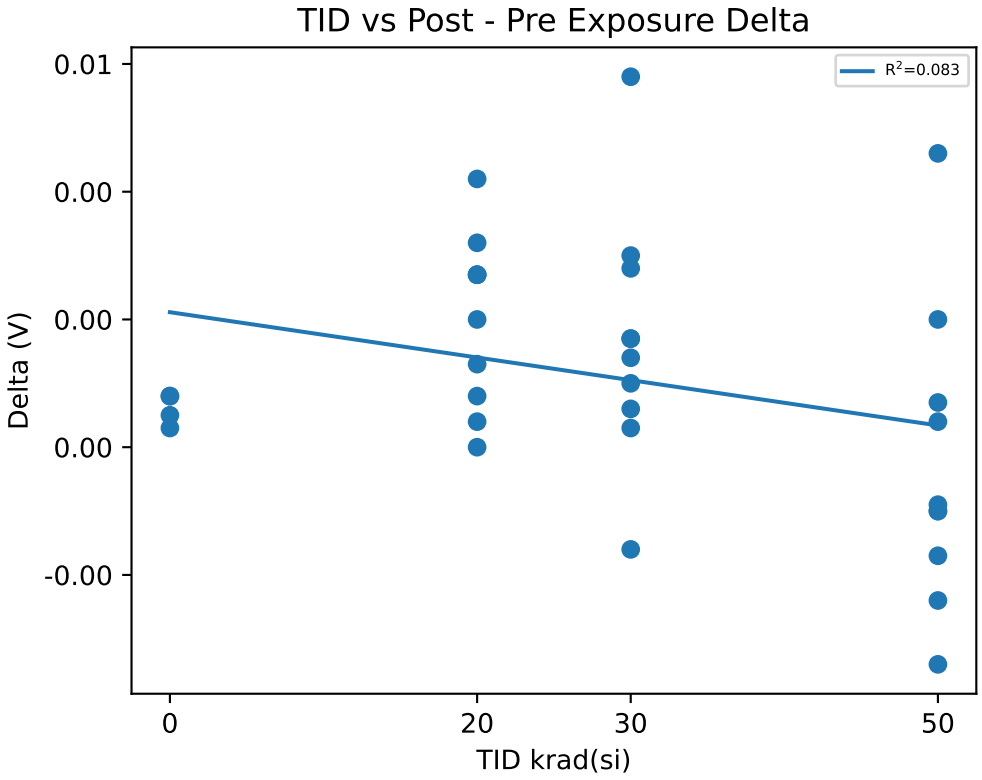
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
41	0	CORRELATION	4.9751	4.9755	0.0004
42	0	CORRELATION	5.0005	5.0013	0.0008
43	0	CORRELATION	4.9836	4.9839	0.0003
45	0	CORRELATION	4.9955	4.9964	0.0009
71	20	LDR BIAS	4.9692	4.9691	-0.0001
72	20	LDR BIAS	4.9896	4.9905	0.0009
73	20	LDR BIAS	4.9959	4.9972	0.0013
74	20	LDR BIAS	4.9741	4.9768	0.0027
75	20	LDR BIAS	5.0012	5.0032	0.002
76	20	LDR UNBIAS	4.9958	4.9985	0.0027
77	20	LDR UNBIAS	5.0056	5.0088	0.0032
78	20	LDR UNBIAS	4.9743	4.977	0.0027
79	20	LDR UNBIAS	5.0016	5.002	0.0004
80	20	LDR UNBIAS	5.0026	5.0068	0.0042
81	30	LDR BIAS	4.9692	4.9676	-0.0016
82	30	LDR BIAS	4.9896	4.9904	0.0008
83	30	LDR BIAS	4.9959	4.9961	0.0002
84	30	LDR BIAS	4.9741	4.9757	0.0016
85	30	LDR BIAS	5.0012	5.0027	0.0015
86	30	LDR UNBIAS	4.9958	4.9974	0.0016
87	30	LDR UNBIAS	5.0056	5.0085	0.0029
88	30	LDR UNBIAS	4.9743	4.9771	0.0028
89	30	LDR UNBIAS	5.0016	5.0025	0.0009
90	30	LDR UNBIAS	5.0026	5.0084	0.0058
91	50	LDR BIAS	4.9692	4.9675	-0.0017
92	50	LDR BIAS	4.9896	4.9863	-0.0033
93	50	LDR BIAS	4.9959	4.9936	-0.0023
94	50	LDR BIAS	4.9741	4.9746	0.0005
95	50	LDR BIAS	5.0012	5.0003	-0.0009
96	50	LDR UNBIAS	4.9958	4.9949	-0.0009
97	50	LDR UNBIAS	5.0056	5.0062	0.0006
98	50	LDR UNBIAS	4.9743	4.9731	-0.0012
99	50	LDR UNBIAS	5.0016	5.0036	0.002
100	50	LDR UNBIAS	5.0026	5.0071	0.0045

Test Statistics (V)

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	4.9751	4.9887	5.0005	0.011496	4.9755	4.9893	5.0013	0.011747	0.0003	0.0006	0.0009	0.00029439
20	4.9692	4.991	5.0056	0.013552	4.9691	4.993	5.0088	0.014019	-0.0001	0.002	0.0042	0.0013507
30	4.9692	4.991	5.0056	0.013552	4.9676	4.9926	5.0085	0.014505	-0.0016	0.00165	0.0058	0.0019461
50	4.9692	4.991	5.0056	0.013552	4.9675	4.9907	5.0071	0.014607	-0.0033	-0.00027	0.0045	0.0022672

Device Test: 16.8 LEVEL|OUT/BP5H/12/10////@V_BP5H





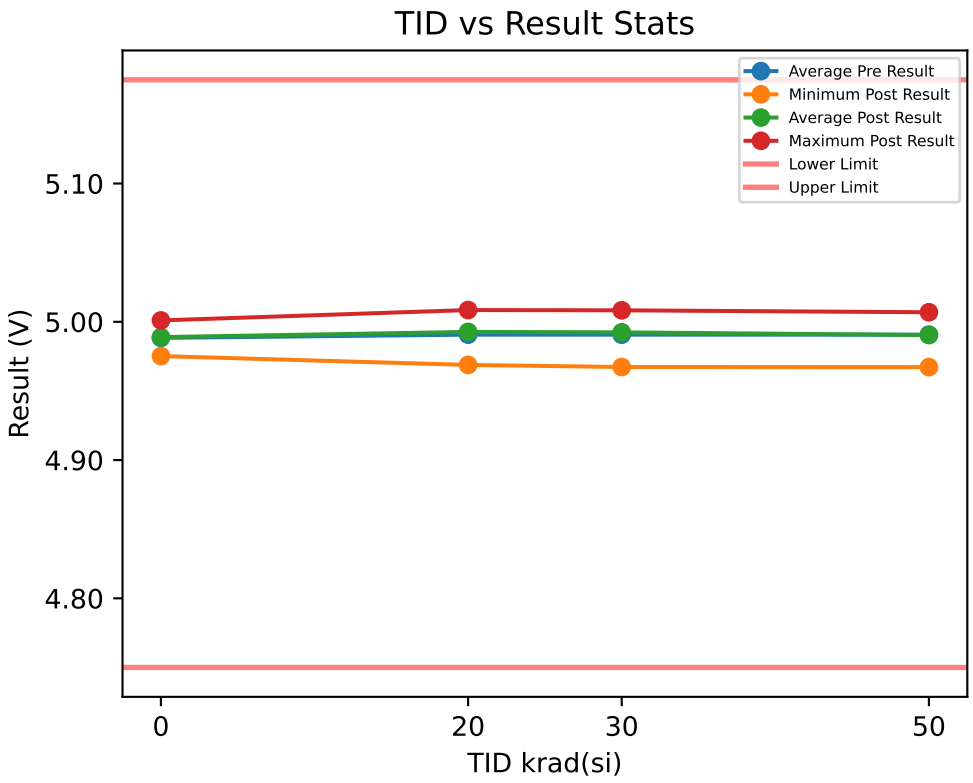
Test Results (Lower Limit = 4.75, Upper Limit = 5.175 (V))

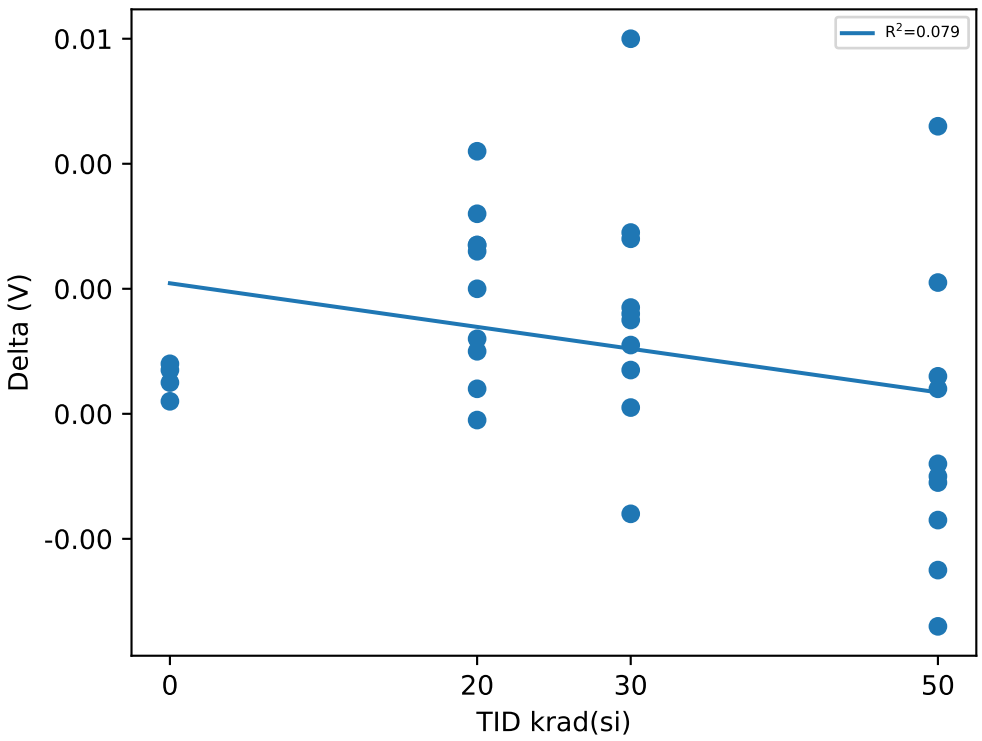
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
41	0	CORRELATION	4.9749	4.9754	0.0005
42	0	CORRELATION	5.0004	5.0012	0.0008
43	0	CORRELATION	4.9835	4.9838	0.0003
45	0	CORRELATION	4.9954	4.9962	0.0008
71	20	LDR BIAS	4.9691	4.9691	0
72	20	LDR BIAS	4.9896	4.9904	0.0008
73	20	LDR BIAS	4.9958	4.9971	0.0013
74	20	LDR BIAS	4.974	4.9767	0.0027
75	20	LDR BIAS	5.0011	5.0031	0.002
76	20	LDR UNBIAS	4.9957	4.9984	0.0027
77	20	LDR UNBIAS	5.0054	5.0086	0.0032
78	20	LDR UNBIAS	4.9742	4.9769	0.0027
79	20	LDR UNBIAS	5.0015	5.0019	0.0004
80	20	LDR UNBIAS	5.0025	5.0067	0.0042
81	30	LDR BIAS	4.9691	4.9675	-0.0016
82	30	LDR BIAS	4.9896	4.9902	0.0006
83	30	LDR BIAS	4.9958	4.9961	0.0003
84	30	LDR BIAS	4.974	4.9757	0.0017
85	30	LDR BIAS	5.0011	5.0025	0.0014
86	30	LDR UNBIAS	4.9957	4.9974	0.0017
87	30	LDR UNBIAS	5.0054	5.0084	0.003
88	30	LDR UNBIAS	4.9742	4.977	0.0028
89	30	LDR UNBIAS	5.0015	5.0025	0.001
90	30	LDR UNBIAS	5.0025	5.0083	0.0058
91	50	LDR BIAS	4.9691	4.9674	-0.0017
92	50	LDR BIAS	4.9896	4.9862	-0.0034
93	50	LDR BIAS	4.9958	4.9934	-0.0024
94	50	LDR BIAS	4.974	4.9744	0.0004
95	50	LDR BIAS	5.0011	5.0001	-0.001
96	50	LDR UNBIAS	4.9957	4.9948	-0.0009
97	50	LDR UNBIAS	5.0054	5.0061	0.0007
98	50	LDR UNBIAS	4.9742	4.9732	-0.001
99	50	LDR UNBIAS	5.0015	5.0035	0.002
100	50	LDR UNBIAS	5.0025	5.0071	0.0046

Test Statistics (V)

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	4.9749	4.9886	5.0004	0.011535	4.9754	4.9891	5.0012	0.011727	0.0003	0.0006	0.0008	0.00024495
20	4.9691	4.9909	5.0054	0.013539	4.9691	4.9929	5.0086	0.013988	0	0.002	0.0042	0.0013433
30	4.9691	4.9909	5.0054	0.013539	4.9675	4.9926	5.0084	0.0145	-0.0016	0.00167	0.0058	0.0019534
50	4.9691	4.9909	5.0054	0.013539	4.9674	4.9906	5.0071	0.014596	-0.0034	-0.00027	0.0046	0.0023118

Device Test: 16.9 LEVEL|OUT/BP5H/14/14////@V_BP5H





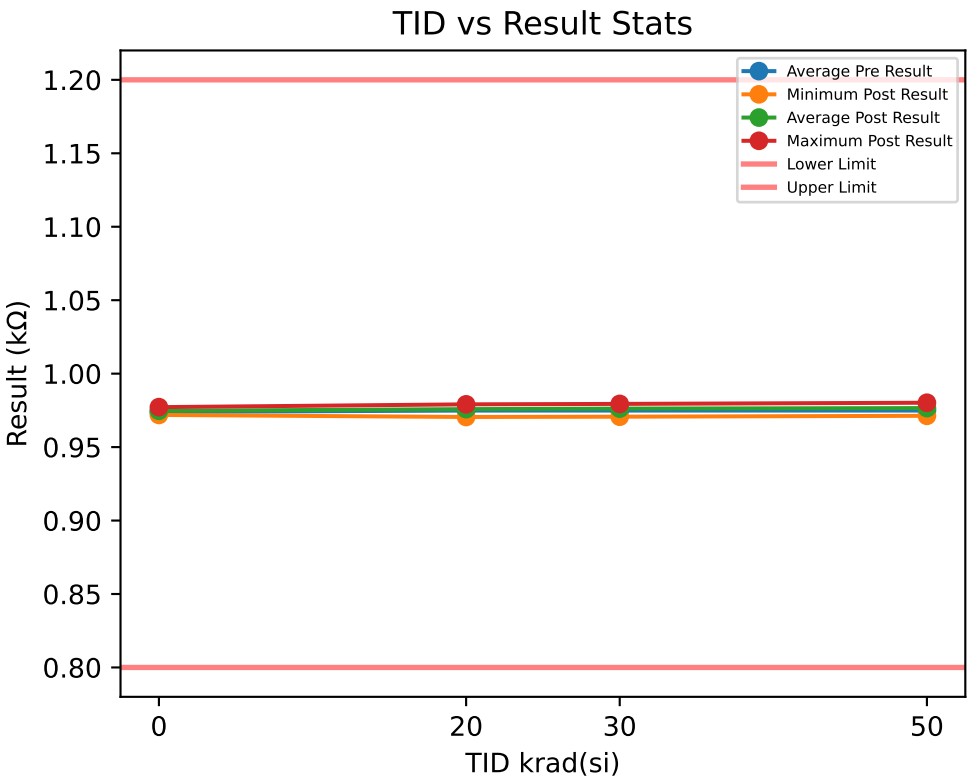
Test Results (Lower Limit = 4.75, Upper Limit = 5.175 (V))

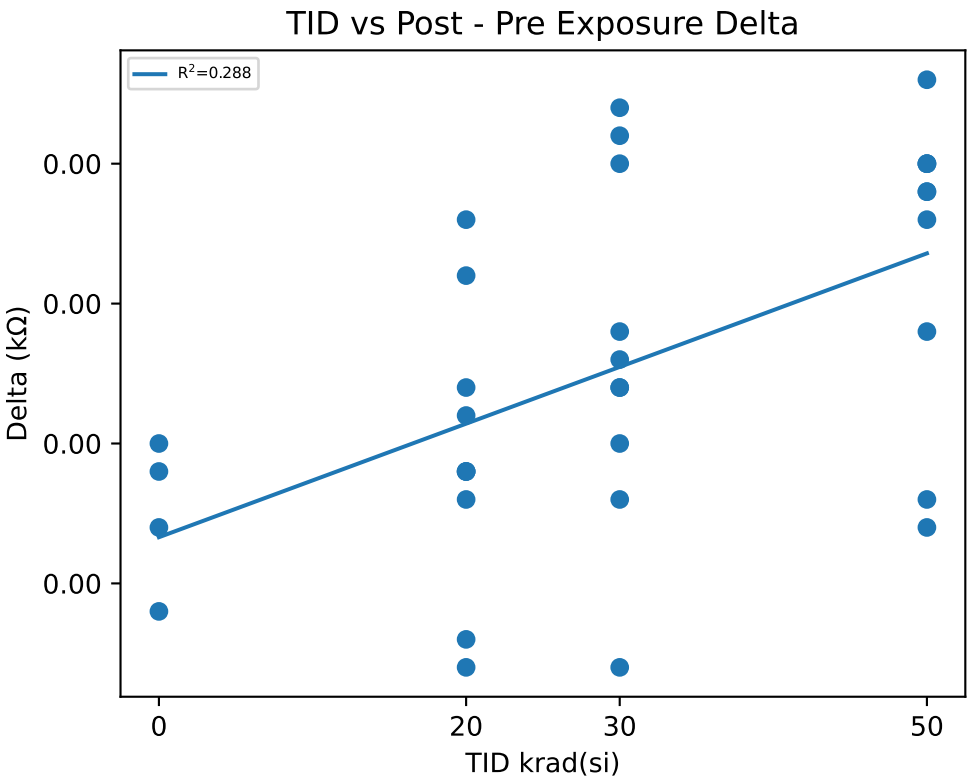
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
41	0	CORRELATION	4.9747	4.9752	0.0005
42	0	CORRELATION	5.0002	5.001	0.0008
43	0	CORRELATION	4.9833	4.9835	0.0002
45	0	CORRELATION	4.9953	4.996	0.0007
71	20	LDR BIAS	4.9689	4.9688	-0.0001
72	20	LDR BIAS	4.9893	4.9903	0.001
73	20	LDR BIAS	4.9957	4.9969	0.0012
74	20	LDR BIAS	4.9738	4.9764	0.0026
75	20	LDR BIAS	5.0009	5.0029	0.002
76	20	LDR UNBIAS	4.9955	4.9982	0.0027
77	20	LDR UNBIAS	5.0053	5.0085	0.0032
78	20	LDR UNBIAS	4.974	4.9767	0.0027
79	20	LDR UNBIAS	5.0012	5.0016	0.0004
80	20	LDR UNBIAS	5.0023	5.0065	0.0042
81	30	LDR BIAS	4.9689	4.9673	-0.0016
82	30	LDR BIAS	4.9893	4.99	0.0007
83	30	LDR BIAS	4.9957	4.9958	0.0001
84	30	LDR BIAS	4.9738	4.9754	0.0016
85	30	LDR BIAS	5.0009	5.0024	0.0015
86	30	LDR UNBIAS	4.9955	4.9972	0.0017
87	30	LDR UNBIAS	5.0053	5.0082	0.0029
88	30	LDR UNBIAS	4.974	4.9768	0.0028
89	30	LDR UNBIAS	5.0012	5.0023	0.0011
90	30	LDR UNBIAS	5.0023	5.0083	0.006
91	50	LDR BIAS	4.9689	4.9672	-0.0017
92	50	LDR BIAS	4.9893	4.9859	-0.0034
93	50	LDR BIAS	4.9957	4.9932	-0.0025
94	50	LDR BIAS	4.9738	4.9742	0.0004
95	50	LDR BIAS	5.0009	4.9999	-0.001
96	50	LDR UNBIAS	4.9955	4.9947	-0.0008
97	50	LDR UNBIAS	5.0053	5.0059	0.0006
98	50	LDR UNBIAS	4.974	4.9729	-0.0011
99	50	LDR UNBIAS	5.0012	5.0033	0.0021
100	50	LDR UNBIAS	5.0023	5.0069	0.0046

Test Statistics (V)

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	4.9747	4.9884	5.0002	0.011555	4.9752	4.9889	5.001	0.011743	0.0002	0.00055	0.0008	0.00026458
20	4.9689	4.9907	5.0053	0.013547	4.9688	4.9927	5.0085	0.014023	-0.0001	0.00199	0.0042	0.0013428
30	4.9689	4.9907	5.0053	0.013547	4.9673	4.9924	5.0083	0.014542	-0.0016	0.00168	0.006	0.0019999
50	4.9689	4.9907	5.0053	0.013547	4.9672	4.9904	5.0069	0.014616	-0.0034	-0.00028	0.0046	0.0023299

Device Test: 17.10 BST|RES/BST/10/8////@R_BST_SW_PARALLEL





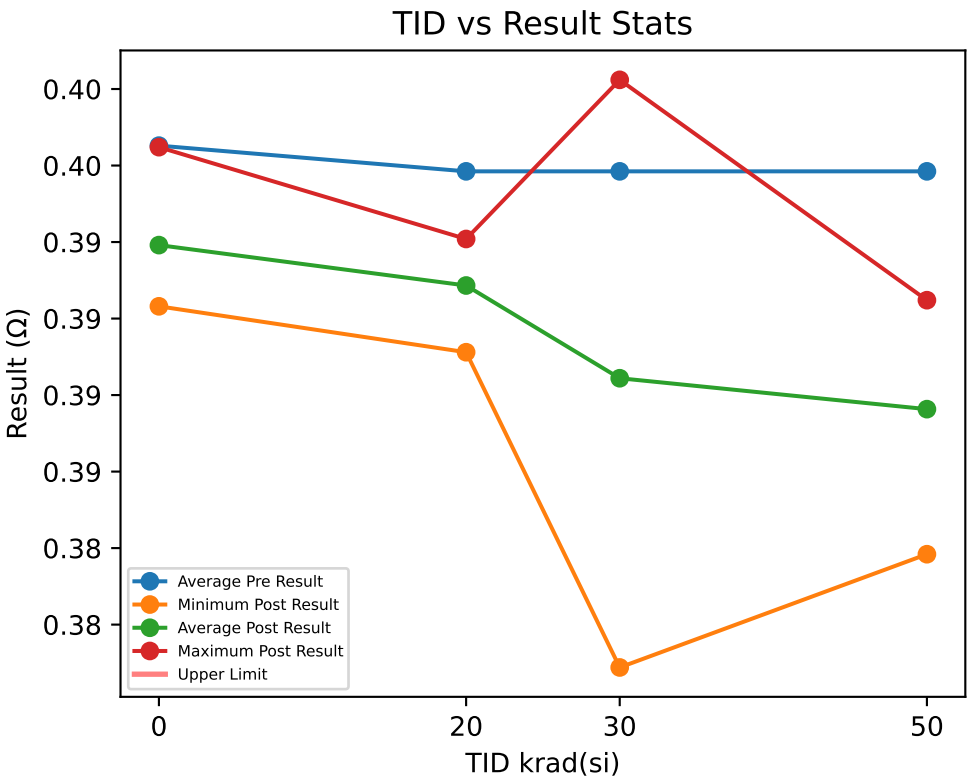
Test Results (Lower Limit = 0.8, Upper Limit = 1.2 (kΩ))

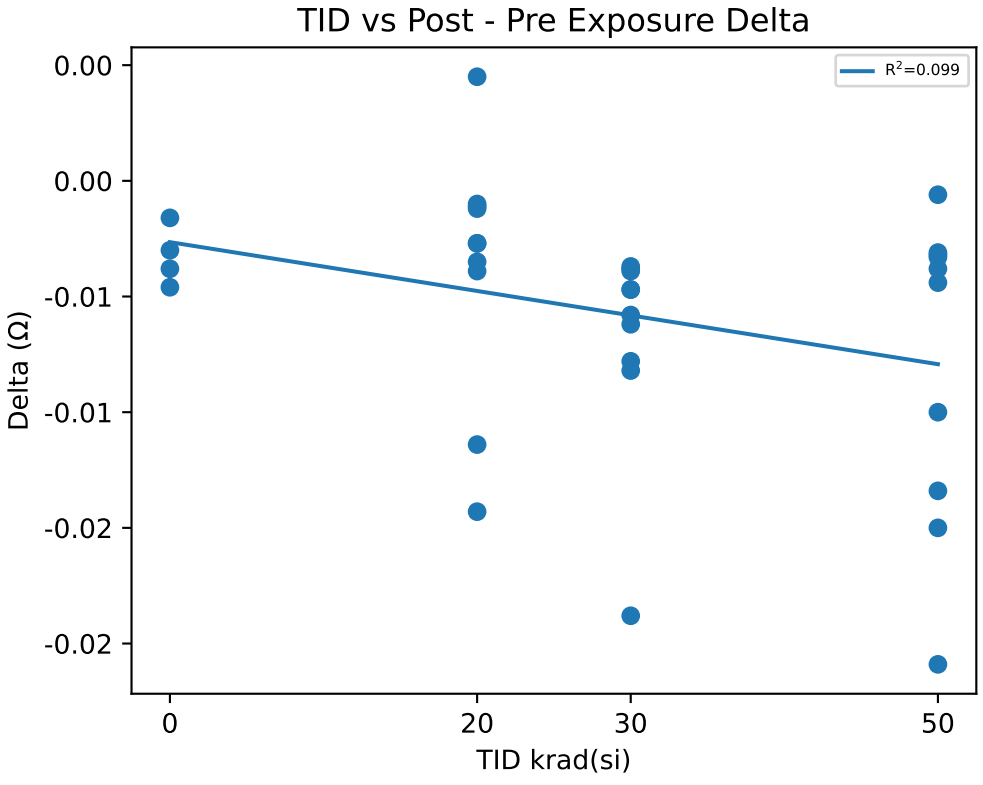
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
41	0	CORRELATION	0.9757	0.9767	0.001
42	0	CORRELATION	0.9715	0.9719	0.0004
43	0	CORRELATION	0.9721	0.973	0.0009
45	0	CORRELATION	0.9765	0.9772	0.0007
71	20	LDR BIAS	0.9782	0.9791	0.0009
72	20	LDR BIAS	0.9776	0.9778	0.0002
73	20	LDR BIAS	0.9743	0.9752	0.0009
74	20	LDR BIAS	0.9767	0.9783	0.0016
75	20	LDR BIAS	0.9732	0.9741	0.0009
76	20	LDR UNBIAS	0.9754	0.9772	0.0018
77	20	LDR UNBIAS	0.9761	0.9772	0.0011
78	20	LDR UNBIAS	0.9774	0.9777	0.0003
79	20	LDR UNBIAS	0.9693	0.9705	0.0012
80	20	LDR UNBIAS	0.9705	0.9713	0.0008
81	30	LDR BIAS	0.9782	0.9794	0.0012
82	30	LDR BIAS	0.9776	0.9784	0.0008
83	30	LDR BIAS	0.9743	0.9755	0.0012
84	30	LDR BIAS	0.9767	0.9789	0.0022
85	30	LDR BIAS	0.9732	0.9742	0.001
86	30	LDR UNBIAS	0.9754	0.9775	0.0021
87	30	LDR UNBIAS	0.9761	0.9774	0.0013
88	30	LDR UNBIAS	0.9774	0.9776	0.0002
89	30	LDR UNBIAS	0.9693	0.9707	0.0014
90	30	LDR UNBIAS	0.9705	0.9725	0.002
91	50	LDR BIAS	0.9782	0.9802	0.002
92	50	LDR BIAS	0.9776	0.9784	0.0008
93	50	LDR BIAS	0.9743	0.9761	0.0018
94	50	LDR BIAS	0.9767	0.9787	0.002
95	50	LDR BIAS	0.9732	0.9751	0.0019
96	50	LDR UNBIAS	0.9754	0.9777	0.0023
97	50	LDR UNBIAS	0.9761	0.978	0.0019
98	50	LDR UNBIAS	0.9774	0.9781	0.0007
99	50	LDR UNBIAS	0.9693	0.9713	0.002
100	50	LDR UNBIAS	0.9705	0.9719	0.0014

Test Statistics (kΩ)

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	0.9715	0.97395	0.9765	0.0025159	0.9719	0.9747	0.9772	0.0026445	0.0004	0.00075	0.001	0.00026458
20	0.9693	0.97487	0.9782	0.0030427	0.9705	0.97584	0.9791	0.002986	0.0002	0.00097	0.0018	0.000499
30	0.9693	0.97487	0.9782	0.0030427	0.9707	0.97621	0.9794	0.0029038	0.0002	0.00134	0.0022	0.00062397
50	0.9693	0.97487	0.9782	0.0030427	0.9713	0.97655	0.9802	0.0029568	0.0007	0.00168	0.0023	0.00053914

Device Test: 17.19 BST|RES/BST/12/10////@R_BST_SW





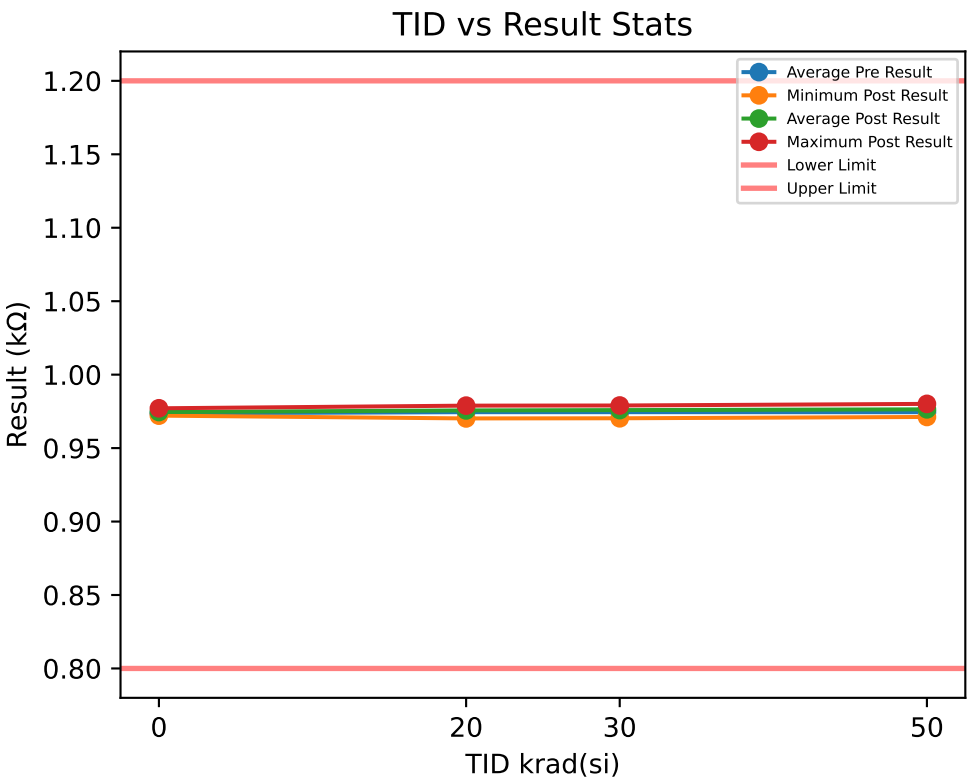
Test Results (No Limits Specified (Ω))

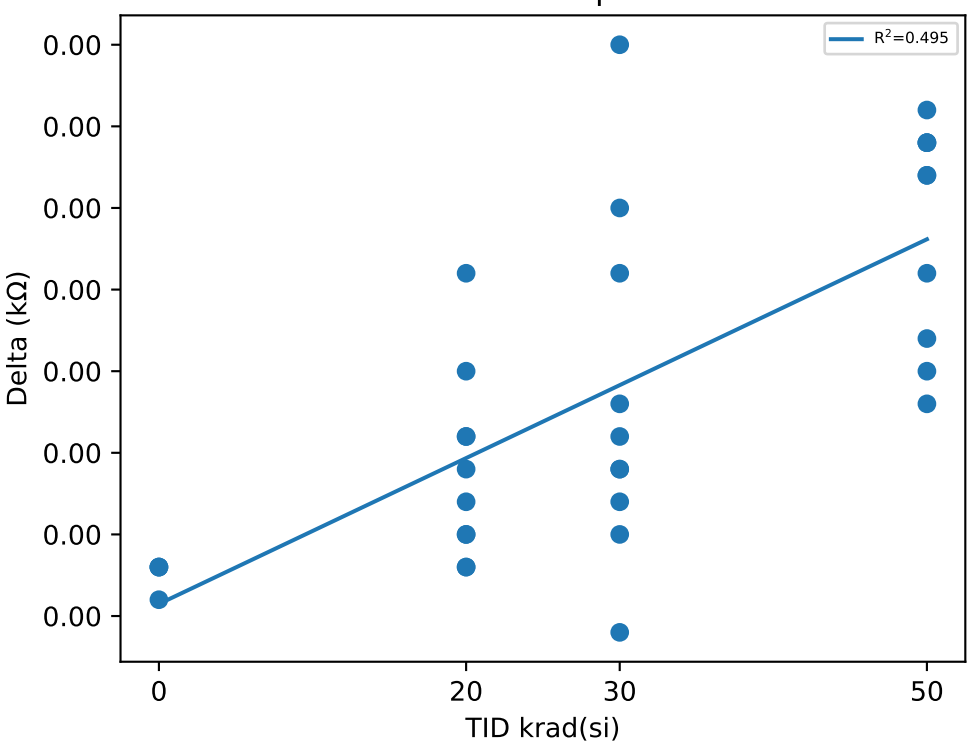
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
41	0	CORRELATION	0.3941	0.3911	-0.003
42	0	CORRELATION	0.4002	0.3956	-0.0046
43	0	CORRELATION	0.3941	0.3925	-0.0016
45	0	CORRELATION	0.3942	0.3904	-0.0038
71	20	LDR BIAS	0.3917	0.3907	-0.001
72	20	LDR BIAS	0.3932	0.392	-0.0012
73	20	LDR BIAS	0.3944	0.3917	-0.0027
74	20	LDR BIAS	0.4057	0.3914	-0.0143
75	20	LDR BIAS	0.39	0.3889	-0.0011
76	20	LDR UNBIAS	0.3957	0.3918	-0.0039
77	20	LDR UNBIAS	0.3942	0.3907	-0.0035
78	20	LDR UNBIAS	0.3864	0.3909	0.0045
79	20	LDR UNBIAS	0.3928	0.3901	-0.0027
80	20	LDR UNBIAS	0.404	0.3926	-0.0114
81	30	LDR BIAS	0.3917	0.387	-0.0047
82	30	LDR BIAS	0.3932	0.3893	-0.0039
83	30	LDR BIAS	0.3944	0.3886	-0.0058
84	30	LDR BIAS	0.4057	0.3869	-0.0188
85	30	LDR BIAS	0.39	0.3862	-0.0038
86	30	LDR UNBIAS	0.3957	0.3875	-0.0082
87	30	LDR UNBIAS	0.3942	0.3895	-0.0047
88	30	LDR UNBIAS	0.3864	0.3786	-0.0078
89	30	LDR UNBIAS	0.3928	0.3891	-0.0037
90	30	LDR UNBIAS	0.404	0.3978	-0.0062
91	50	LDR BIAS	0.3917	0.3886	-0.0031
92	50	LDR BIAS	0.3932	0.3832	-0.01
93	50	LDR BIAS	0.3944	0.3906	-0.0038
94	50	LDR BIAS	0.4057	0.3848	-0.0209
95	50	LDR BIAS	0.39	0.3894	-0.0006
96	50	LDR UNBIAS	0.3957	0.3823	-0.0134
97	50	LDR UNBIAS	0.3942	0.3898	-0.0044
98	50	LDR UNBIAS	0.3864	0.3832	-0.0032
99	50	LDR UNBIAS	0.3928	0.3895	-0.0033
100	50	LDR UNBIAS	0.404	0.389	-0.015

Test Statistics (Ω)

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	0.3941	0.39565	0.4002	0.0030337	0.3904	0.3924	0.3956	0.0023051	-0.0046	-0.00325	-0.0016	0.0012793
20	0.3864	0.39481	0.4057	0.0059118	0.3889	0.39108	0.3926	0.0010644	-0.0143	-0.00373	0.0045	0.0053879
30	0.3864	0.39481	0.4057	0.0059118	0.3786	0.38805	0.3978	0.0046617	-0.0188	-0.00676	-0.0037	0.0045233
50	0.3864	0.39481	0.4057	0.0059118	0.3823	0.38704	0.3906	0.0032517	-0.0209	-0.00777	-0.0006	0.0066878

Device Test: 17.20 BST|RES/BST/12/10////@R_BST_SW_PARALLEL





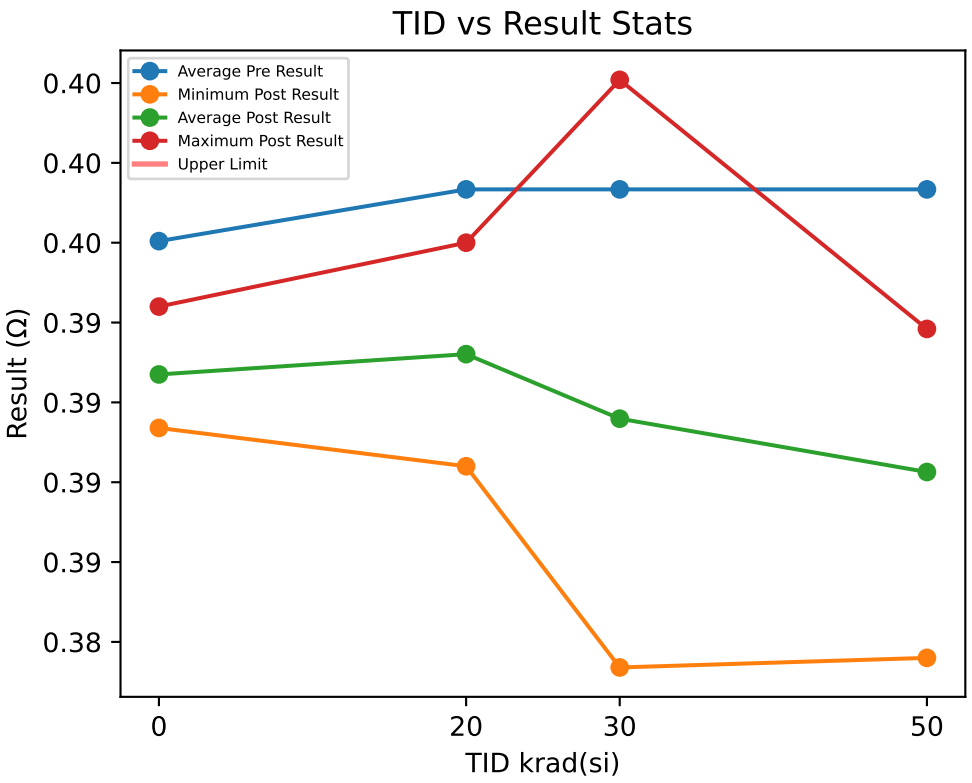
Test Results (Lower Limit = 0.8, Upper Limit = 1.2 (kΩ))

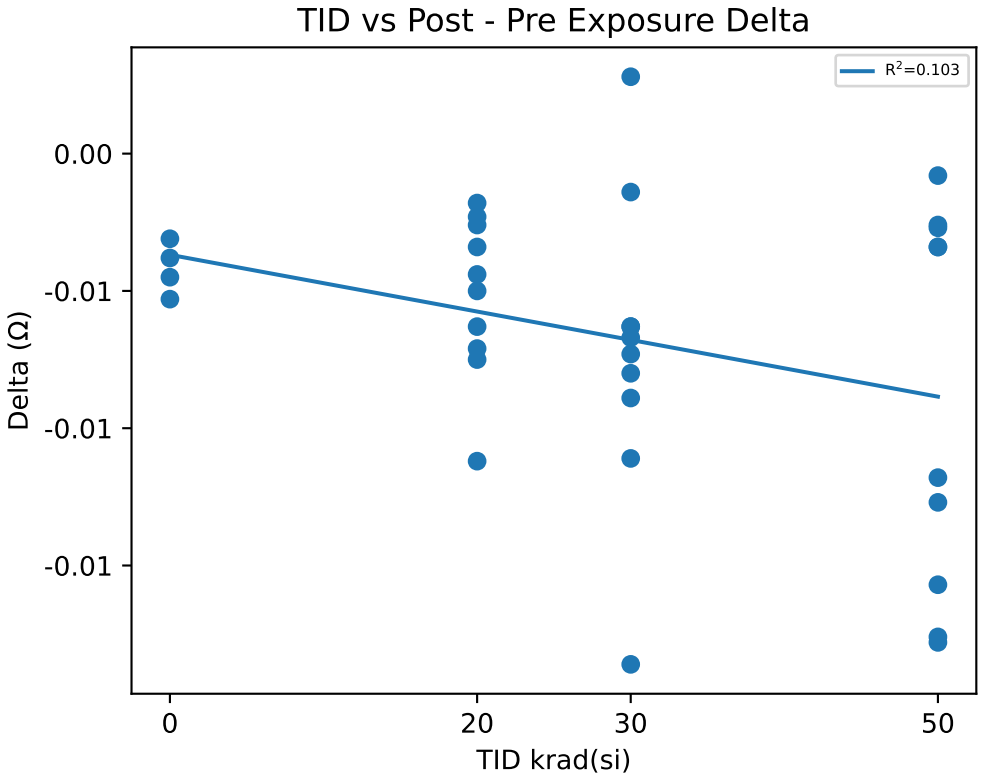
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
41	0	CORRELATION	0.9754	0.9763	0.0009
42	0	CORRELATION	0.9712	0.9721	0.0009
43	0	CORRELATION	0.9718	0.9727	0.0009
45	0	CORRELATION	0.9763	0.9771	0.0008
71	20	LDR BIAS	0.9779	0.9789	0.001
72	20	LDR BIAS	0.9768	0.9778	0.001
73	20	LDR BIAS	0.9739	0.9748	0.0009
74	20	LDR BIAS	0.9763	0.9781	0.0018
75	20	LDR BIAS	0.9728	0.9737	0.0009
76	20	LDR UNBIAS	0.9757	0.977	0.0013
77	20	LDR UNBIAS	0.9756	0.9769	0.0013
78	20	LDR UNBIAS	0.9762	0.9777	0.0015
79	20	LDR UNBIAS	0.969	0.9702	0.0012
80	20	LDR UNBIAS	0.9703	0.9714	0.0011
81	30	LDR BIAS	0.9779	0.979	0.0011
82	30	LDR BIAS	0.9768	0.9775	0.0007
83	30	LDR BIAS	0.9739	0.9749	0.001
84	30	LDR BIAS	0.9763	0.9783	0.002
85	30	LDR BIAS	0.9728	0.974	0.0012
86	30	LDR UNBIAS	0.9757	0.9782	0.0025
87	30	LDR UNBIAS	0.9756	0.977	0.0014
88	30	LDR UNBIAS	0.9762	0.978	0.0018
89	30	LDR UNBIAS	0.969	0.9703	0.0013
90	30	LDR UNBIAS	0.9703	0.9715	0.0012
91	50	LDR BIAS	0.9779	0.9801	0.0022
92	50	LDR BIAS	0.9768	0.9782	0.0014
93	50	LDR BIAS	0.9739	0.9761	0.0022
94	50	LDR BIAS	0.9763	0.9784	0.0021
95	50	LDR BIAS	0.9728	0.9749	0.0021
96	50	LDR UNBIAS	0.9757	0.9775	0.0018
97	50	LDR UNBIAS	0.9756	0.9779	0.0023
98	50	LDR UNBIAS	0.9762	0.9778	0.0016
99	50	LDR UNBIAS	0.969	0.9712	0.0022
100	50	LDR UNBIAS	0.9703	0.9718	0.0015

Test Statistics (kΩ)

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	0.9712	0.97367	0.9763	0.00255	0.9721	0.97455	0.9771	0.0025159	0.0008	0.000875	0.0009	5e-05
20	0.969	0.97445	0.9779	0.0029201	0.9702	0.97565	0.9789	0.0030012	0.0009	0.0012	0.0018	0.00028674
30	0.969	0.97445	0.9779	0.0029201	0.9703	0.97587	0.979	0.003058	0.0007	0.00142	0.0025	0.00053292
50	0.969	0.97445	0.9779	0.0029201	0.9712	0.97639	0.9801	0.0029229	0.0014	0.00194	0.0023	0.000334

Device Test: 17.29 BST|RES/BST/14/14////@R_BST_SW





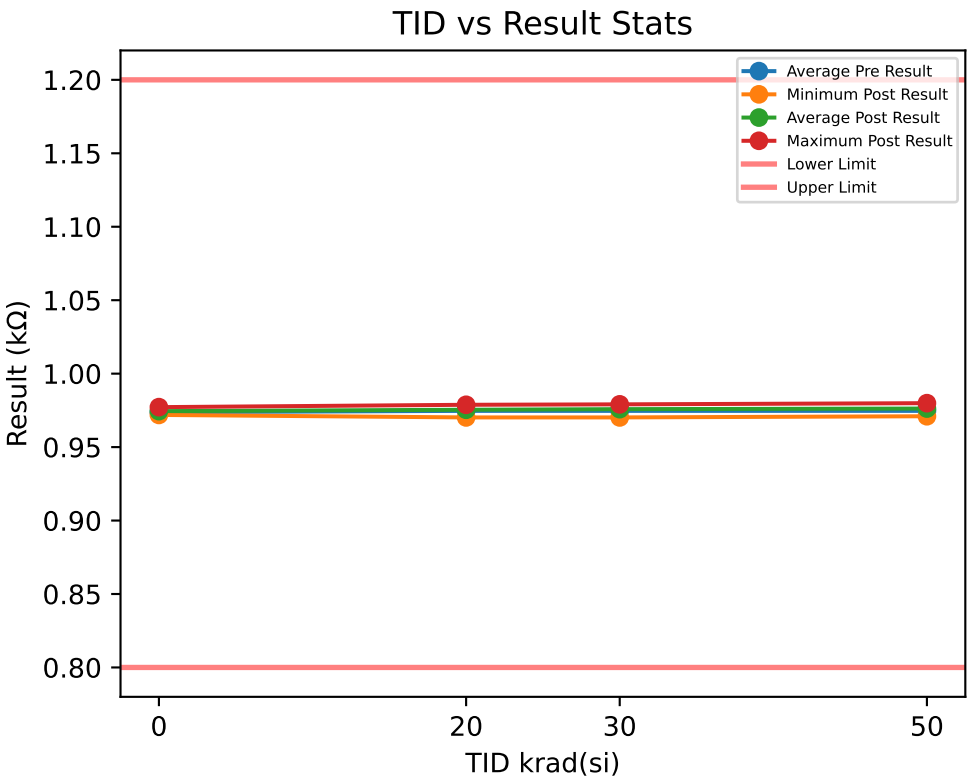
Test Results (No Limits Specified (Ω))

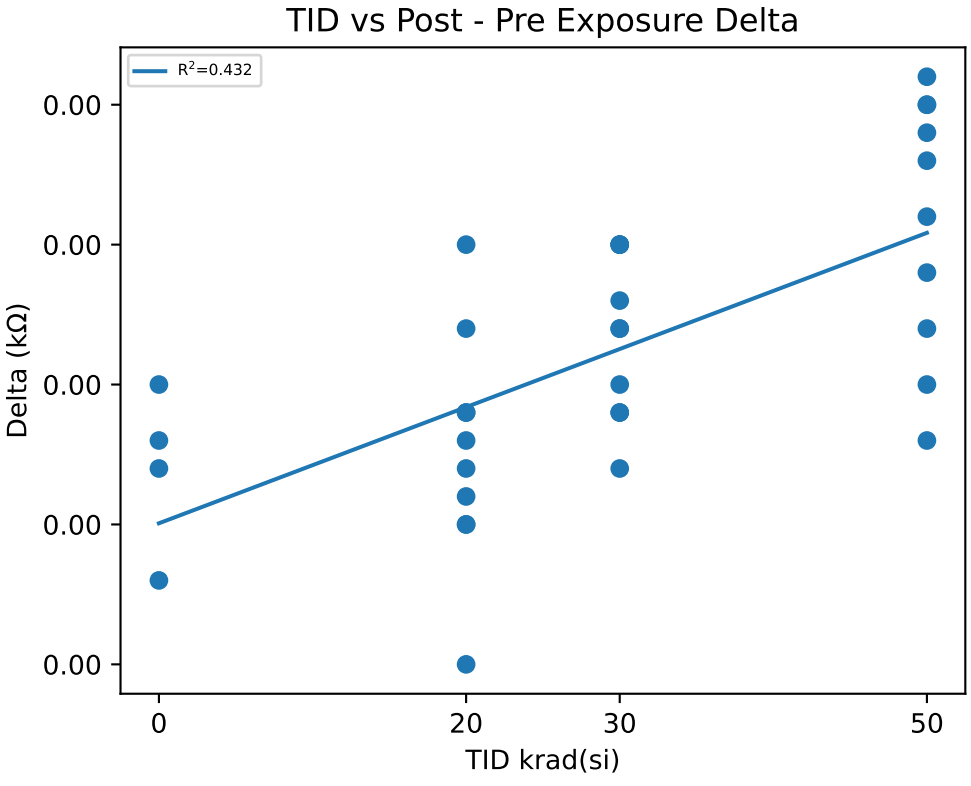
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
41	0	CORRELATION	0.3962	0.3909	-0.0053
42	0	CORRELATION	0.3949	0.3904	-0.0045
43	0	CORRELATION	0.3961	0.393	-0.0031
45	0	CORRELATION	0.393	0.3892	-0.0038
71	20	LDR BIAS	0.3947	0.3897	-0.005
72	20	LDR BIAS	0.3954	0.3891	-0.0063
73	20	LDR BIAS	0.3957	0.3931	-0.0026
74	20	LDR BIAS	0.4033	0.3921	-0.0112
75	20	LDR BIAS	0.3924	0.388	-0.0044
76	20	LDR UNBIAS	0.4003	0.3932	-0.0071
77	20	LDR UNBIAS	0.395	0.3932	-0.0018
78	20	LDR UNBIAS	0.3977	0.3902	-0.0075
79	20	LDR UNBIAS	0.3949	0.3915	-0.0034
80	20	LDR UNBIAS	0.3973	0.395	-0.0023
81	30	LDR BIAS	0.3947	0.3867	-0.008
82	30	LDR BIAS	0.3954	0.3843	-0.0111
83	30	LDR BIAS	0.3957	0.3884	-0.0073
84	30	LDR BIAS	0.4033	0.3944	-0.0089
85	30	LDR BIAS	0.3924	0.3861	-0.0063
86	30	LDR UNBIAS	0.4003	0.3817	-0.0186
87	30	LDR UNBIAS	0.395	0.3887	-0.0063
88	30	LDR UNBIAS	0.3977	0.3963	-0.0014
89	30	LDR UNBIAS	0.3949	0.3882	-0.0067
90	30	LDR UNBIAS	0.3973	0.4001	0.0028
91	50	LDR BIAS	0.3947	0.3921	-0.0026
92	50	LDR BIAS	0.3954	0.3827	-0.0127
93	50	LDR BIAS	0.3957	0.3923	-0.0034
94	50	LDR BIAS	0.4033	0.3855	-0.0178
95	50	LDR BIAS	0.3924	0.3916	-0.0008
96	50	LDR UNBIAS	0.4003	0.3827	-0.0176
97	50	LDR UNBIAS	0.395	0.3916	-0.0034
98	50	LDR UNBIAS	0.3977	0.382	-0.0157
99	50	LDR UNBIAS	0.3949	0.3922	-0.0027
100	50	LDR UNBIAS	0.3973	0.3855	-0.0118

Test Statistics (Ω)

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	0.393	0.39505	0.3962	0.0014888	0.3892	0.39088	0.393	0.0015861	-0.0053	-0.004175	-0.0031	0.00094296
20	0.3924	0.39667	0.4033	0.0031479	0.388	0.39151	0.395	0.0022083	-0.0112	-0.00516	-0.0018	0.0029201
30	0.3924	0.39667	0.4033	0.0031479	0.3817	0.38949	0.4001	0.0057099	-0.0186	-0.00718	0.0028	0.0056196
50	0.3924	0.39667	0.4033	0.0031479	0.382	0.38782	0.3923	0.0045119	-0.0178	-0.00885	-0.0008	0.0068977

Device Test: 17.30 BST|RES/BST/14/14////@R_BST_SW_PARALLEL





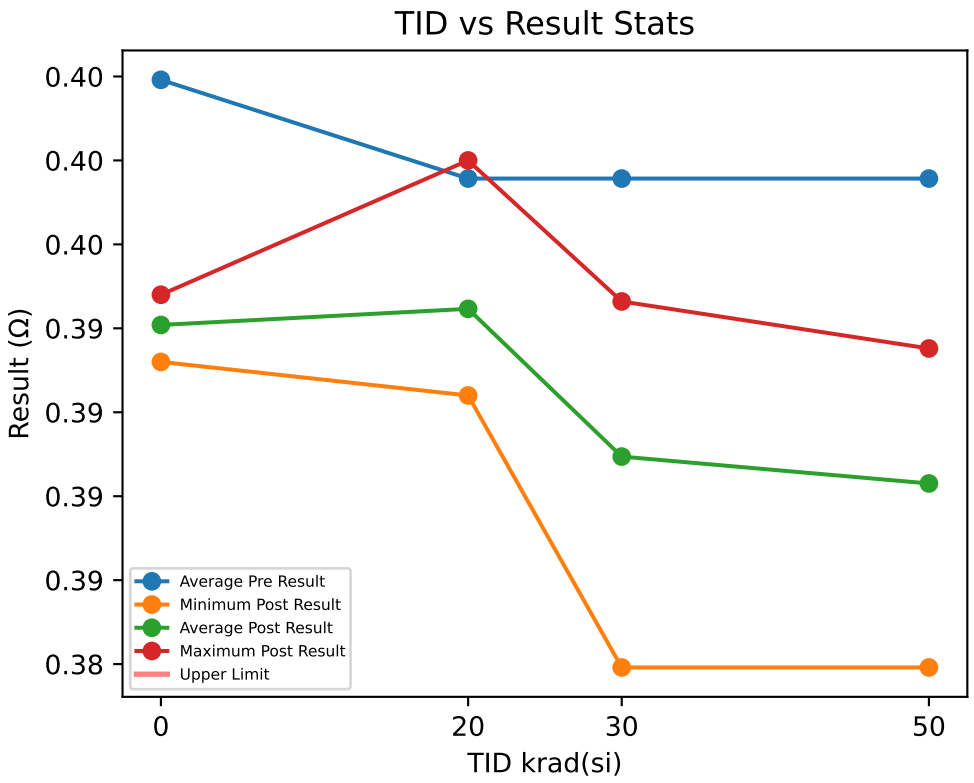
Test Results (Lower Limit = 0.8, Upper Limit = 1.2 (kΩ))

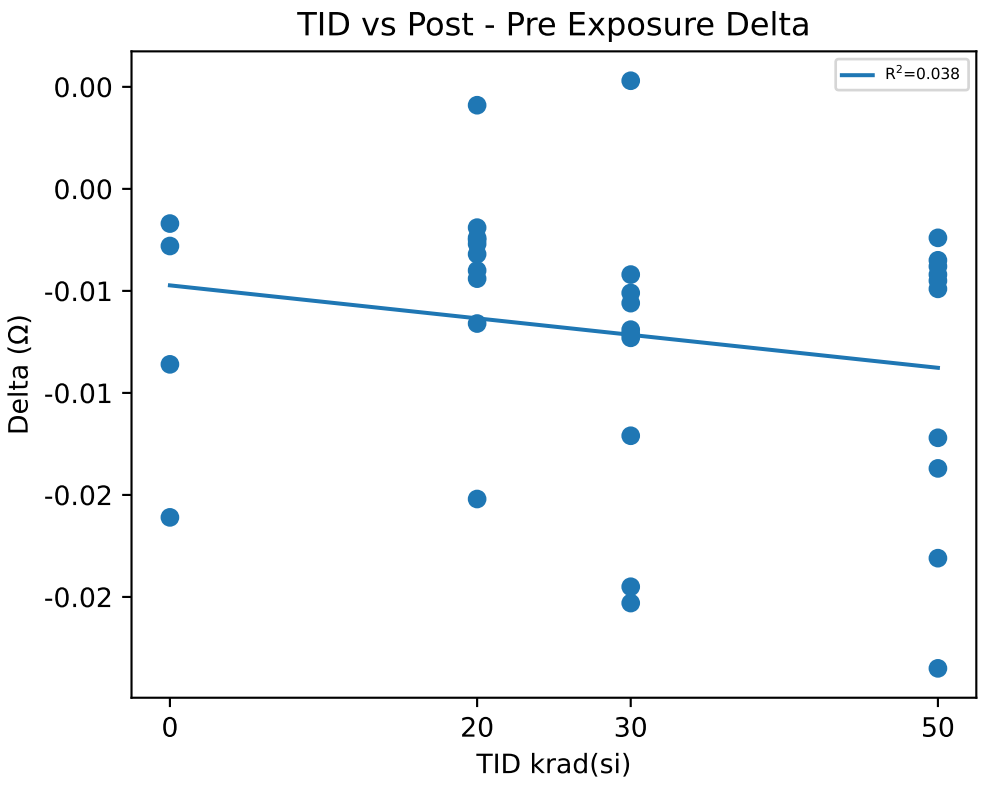
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
41	0	CORRELATION	0.9754	0.9761	0.0007
42	0	CORRELATION	0.9716	0.9719	0.0003
43	0	CORRELATION	0.9717	0.9727	0.001
45	0	CORRELATION	0.9764	0.9772	0.0008
71	20	LDR BIAS	0.9779	0.9788	0.0009
72	20	LDR BIAS	0.9765	0.9774	0.0009
73	20	LDR BIAS	0.974	0.9748	0.0008
74	20	LDR BIAS	0.9769	0.9774	0.0005
75	20	LDR BIAS	0.9729	0.9735	0.0006
76	20	LDR UNBIAS	0.9762	0.9767	0.0005
77	20	LDR UNBIAS	0.9756	0.9771	0.0015
78	20	LDR UNBIAS	0.9767	0.9774	0.0007
79	20	LDR UNBIAS	0.969	0.9702	0.0012
80	20	LDR UNBIAS	0.9709	0.9709	0
81	30	LDR BIAS	0.9779	0.9791	0.0012
82	30	LDR BIAS	0.9765	0.978	0.0015
83	30	LDR BIAS	0.974	0.975	0.001
84	30	LDR BIAS	0.9769	0.9784	0.0015
85	30	LDR BIAS	0.9729	0.9738	0.0009
86	30	LDR UNBIAS	0.9762	0.9771	0.0009
87	30	LDR UNBIAS	0.9756	0.9771	0.0015
88	30	LDR UNBIAS	0.9767	0.9774	0.0007
89	30	LDR UNBIAS	0.969	0.9702	0.0012
90	30	LDR UNBIAS	0.9709	0.9722	0.0013
91	50	LDR BIAS	0.9779	0.9799	0.002
92	50	LDR BIAS	0.9765	0.9781	0.0016
93	50	LDR BIAS	0.974	0.9759	0.0019
94	50	LDR BIAS	0.9769	0.9783	0.0014
95	50	LDR BIAS	0.9729	0.9747	0.0018
96	50	LDR UNBIAS	0.9762	0.9774	0.0012
97	50	LDR UNBIAS	0.9756	0.9777	0.0021
98	50	LDR UNBIAS	0.9767	0.9777	0.001
99	50	LDR UNBIAS	0.969	0.971	0.002
100	50	LDR UNBIAS	0.9709	0.9717	0.0008

Test Statistics (kΩ)

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	0.9716	0.97378	0.9764	0.0024878	0.9719	0.97447	0.9772	0.0025721	0.0003	0.0007	0.001	0.00029439
20	0.969	0.97466	0.9779	0.0029064	0.9702	0.97542	0.9788	0.0029701	0	0.00076	0.0015	0.0004115
30	0.969	0.97466	0.9779	0.0029064	0.9702	0.97583	0.9791	0.0029322	0.0007	0.00117	0.0015	0.00028694
50	0.969	0.97466	0.9779	0.0029064	0.971	0.97624	0.9799	0.00293	0.0008	0.00158	0.0021	0.00045898

Device Test: 17.9 BST|RES/BST/10/8////@R_BST_SW





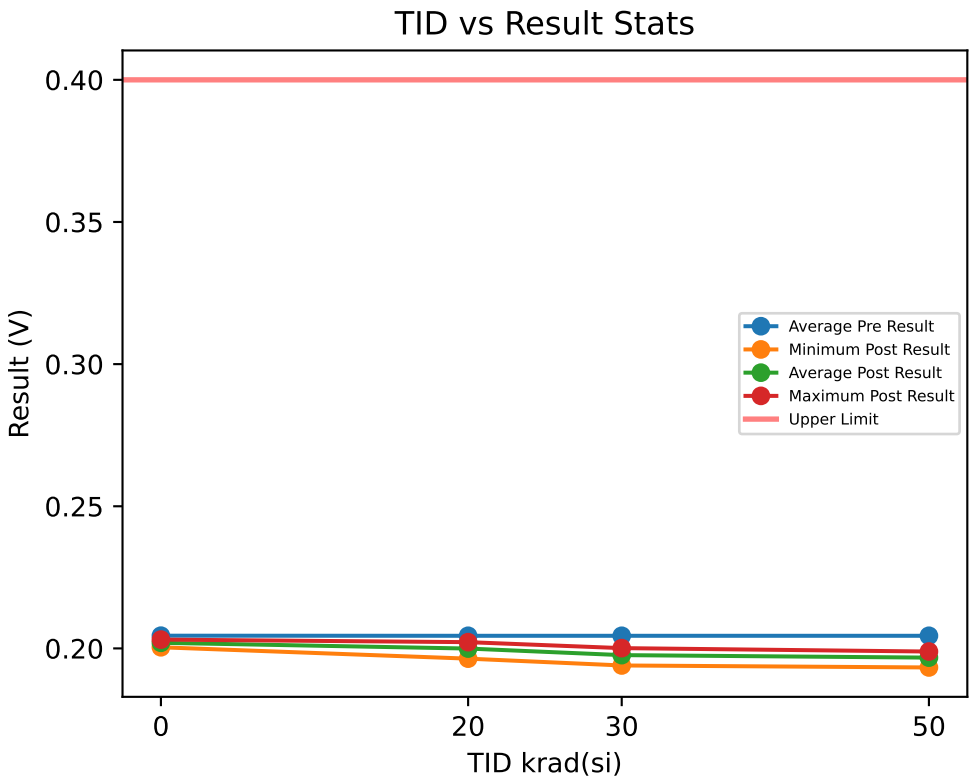
Test Results (No Limits Specified (Ω))

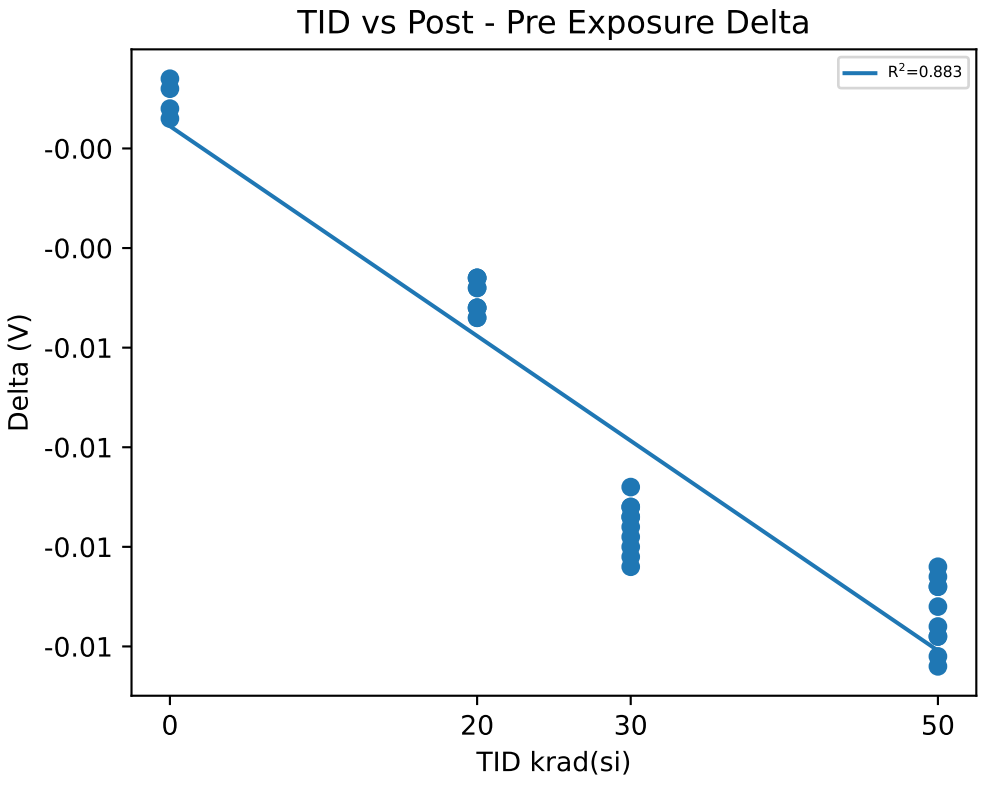
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
41	0	CORRELATION	0.395	0.3933	-0.0017
42	0	CORRELATION	0.4076	0.3915	-0.0161
43	0	CORRELATION	0.3963	0.3935	-0.0028
45	0	CORRELATION	0.4007	0.3921	-0.0086
71	20	LDR BIAS	0.3941	0.3916	-0.0025
72	20	LDR BIAS	0.388	0.3921	0.0041
73	20	LDR BIAS	0.3964	0.3932	-0.0032
74	20	LDR BIAS	0.4027	0.3961	-0.0066
75	20	LDR BIAS	0.3935	0.3908	-0.0027
76	20	LDR UNBIAS	0.3961	0.3937	-0.0024
77	20	LDR UNBIAS	0.3955	0.3915	-0.004
78	20	LDR UNBIAS	0.3957	0.3938	-0.0019
79	20	LDR UNBIAS	0.3949	0.3905	-0.0044
80	20	LDR UNBIAS	0.4127	0.3975	-0.0152
81	30	LDR BIAS	0.3941	0.3868	-0.0073
82	30	LDR BIAS	0.388	0.3933	0.0053
83	30	LDR BIAS	0.3964	0.3893	-0.0071
84	30	LDR BIAS	0.4027	0.3824	-0.0203
85	30	LDR BIAS	0.3935	0.3866	-0.0069
86	30	LDR UNBIAS	0.3961	0.384	-0.0121
87	30	LDR UNBIAS	0.3955	0.3913	-0.0042
88	30	LDR UNBIAS	0.3957	0.3901	-0.0056
89	30	LDR UNBIAS	0.3949	0.3898	-0.0051
90	30	LDR UNBIAS	0.4127	0.3932	-0.0195
91	50	LDR BIAS	0.3941	0.3906	-0.0035
92	50	LDR BIAS	0.388	0.3831	-0.0049
93	50	LDR BIAS	0.3964	0.3919	-0.0045
94	50	LDR BIAS	0.4027	0.3846	-0.0181
95	50	LDR BIAS	0.3935	0.3911	-0.0024
96	50	LDR UNBIAS	0.3961	0.3824	-0.0137
97	50	LDR UNBIAS	0.3955	0.3913	-0.0042
98	50	LDR UNBIAS	0.3957	0.3835	-0.0122
99	50	LDR UNBIAS	0.3949	0.3911	-0.0038
100	50	LDR UNBIAS	0.4127	0.3892	-0.0235

Test Statistics (Ω)

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	0.395	0.3999	0.4076	0.0056833	0.3915	0.3926	0.3935	0.00095917	-0.0161	-0.0073	-0.0017	0.0066015
20	0.388	0.39696	0.4127	0.006584	0.3905	0.39308	0.3975	0.0022871	-0.0152	-0.00388	0.0041	0.0048233
30	0.388	0.39696	0.4127	0.006584	0.3824	0.38868	0.3933	0.0036742	-0.0203	-0.00828	0.0053	0.0075098
50	0.388	0.39696	0.4127	0.006584	0.3824	0.38788	0.3919	0.0039519	-0.0235	-0.00908	-0.0024	0.0073506

Device Test: 18.1 LEVEL|VOL/PGOOD/7.5/////@V_PGOOD_OL





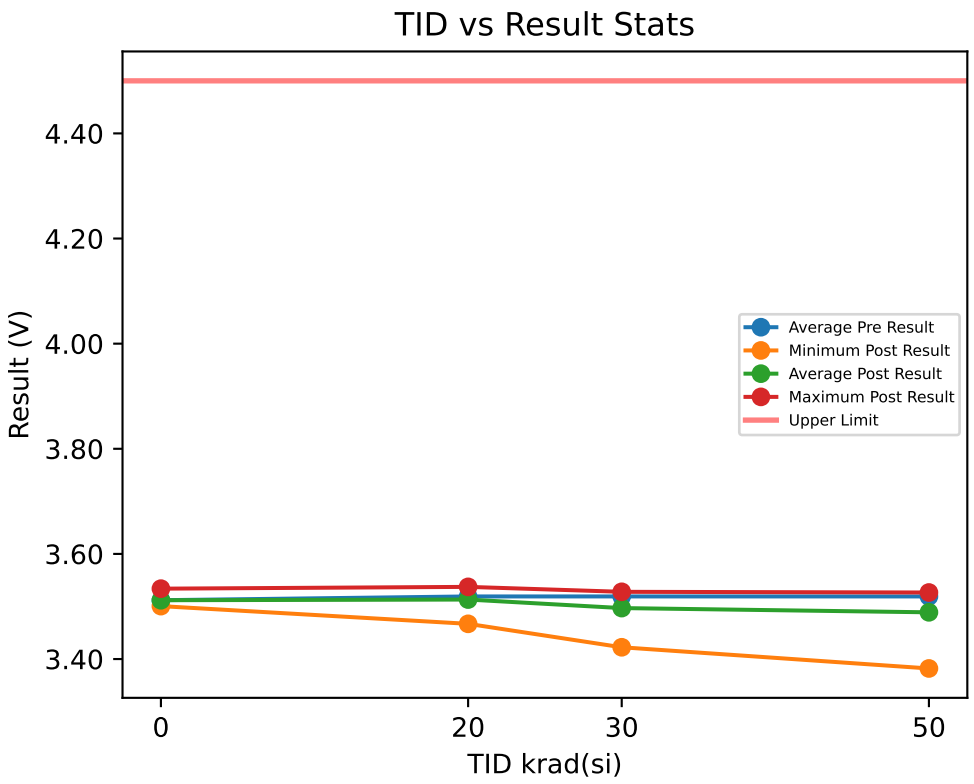
Test Results (Upper Limit = 0.4 (V))

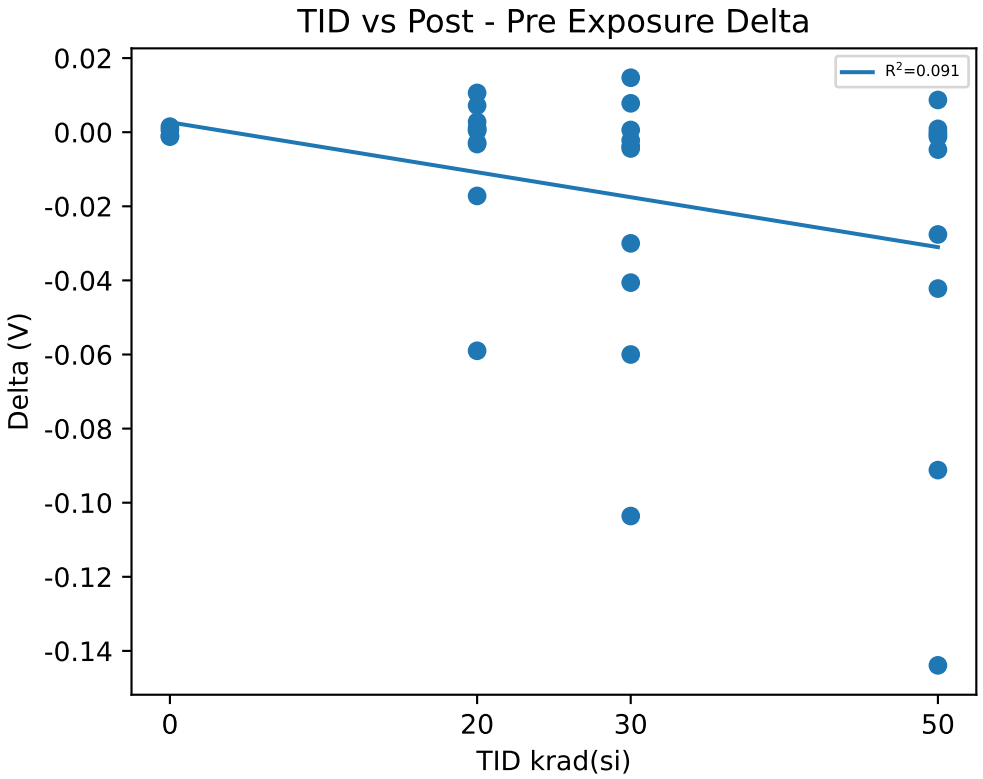
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
41	0	CORRELATION	0.2028	0.2004	-0.0024
42	0	CORRELATION	0.2057	0.203	-0.0027
43	0	CORRELATION	0.2037	0.2014	-0.0023
45	0	CORRELATION	0.2057	0.2031	-0.0026
71	20	LDR BIAS	0.2007	0.1964	-0.0043
72	20	LDR BIAS	0.2039	0.1993	-0.0046
73	20	LDR BIAS	0.2036	0.1992	-0.0044
74	20	LDR BIAS	0.2065	0.2018	-0.0047
75	20	LDR BIAS	0.2054	0.2011	-0.0043
76	20	LDR UNBIAS	0.2039	0.1993	-0.0046
77	20	LDR UNBIAS	0.2018	0.1974	-0.0044
78	20	LDR UNBIAS	0.2056	0.2009	-0.0047
79	20	LDR UNBIAS	0.2062	0.2019	-0.0043
80	20	LDR UNBIAS	0.2068	0.2022	-0.0046
81	30	LDR BIAS	0.2007	0.194	-0.0067
82	30	LDR BIAS	0.2039	0.1969	-0.007
83	30	LDR BIAS	0.2036	0.1965	-0.0071
84	30	LDR BIAS	0.2065	0.1993	-0.0072
85	30	LDR BIAS	0.2054	0.1988	-0.0066
86	30	LDR UNBIAS	0.2039	0.197	-0.0069
87	30	LDR UNBIAS	0.2018	0.1952	-0.0066
88	30	LDR UNBIAS	0.2056	0.1988	-0.0068
89	30	LDR UNBIAS	0.2062	0.1998	-0.0064
90	30	LDR UNBIAS	0.2068	0.2001	-0.0067
91	50	LDR BIAS	0.2007	0.1933	-0.0074
92	50	LDR BIAS	0.2039	0.1958	-0.0081
93	50	LDR BIAS	0.2036	0.196	-0.0076
94	50	LDR BIAS	0.2065	0.1983	-0.0082
95	50	LDR BIAS	0.2054	0.198	-0.0074
96	50	LDR UNBIAS	0.2039	0.196	-0.0079
97	50	LDR UNBIAS	0.2018	0.1946	-0.0072
98	50	LDR UNBIAS	0.2056	0.1978	-0.0078
99	50	LDR UNBIAS	0.2062	0.1989	-0.0073
100	50	LDR UNBIAS	0.2068	0.1989	-0.0079

Test Statistics (V)

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	0.2028	0.20447	0.2057	0.0014614	0.2004	0.20198	0.2031	0.0013074	-0.0027	-0.0025	-0.0023	0.00018257
20	0.2007	0.20444	0.2068	0.0020392	0.1964	0.19995	0.2022	0.0019727	-0.0047	-0.00449	-0.0043	0.00016633
30	0.2007	0.20444	0.2068	0.0020392	0.194	0.19764	0.2001	0.0020446	-0.0072	-0.0068	-0.0064	0.00024944
50	0.2007	0.20444	0.2068	0.0020392	0.1933	0.19676	0.1989	0.0019109	-0.0082	-0.00768	-0.0072	0.00034897

Device Test: 18.2 THRESHOLD|MINBP7L/PGOOD//////@V_BP7L_MIN_FOR_PGOOD





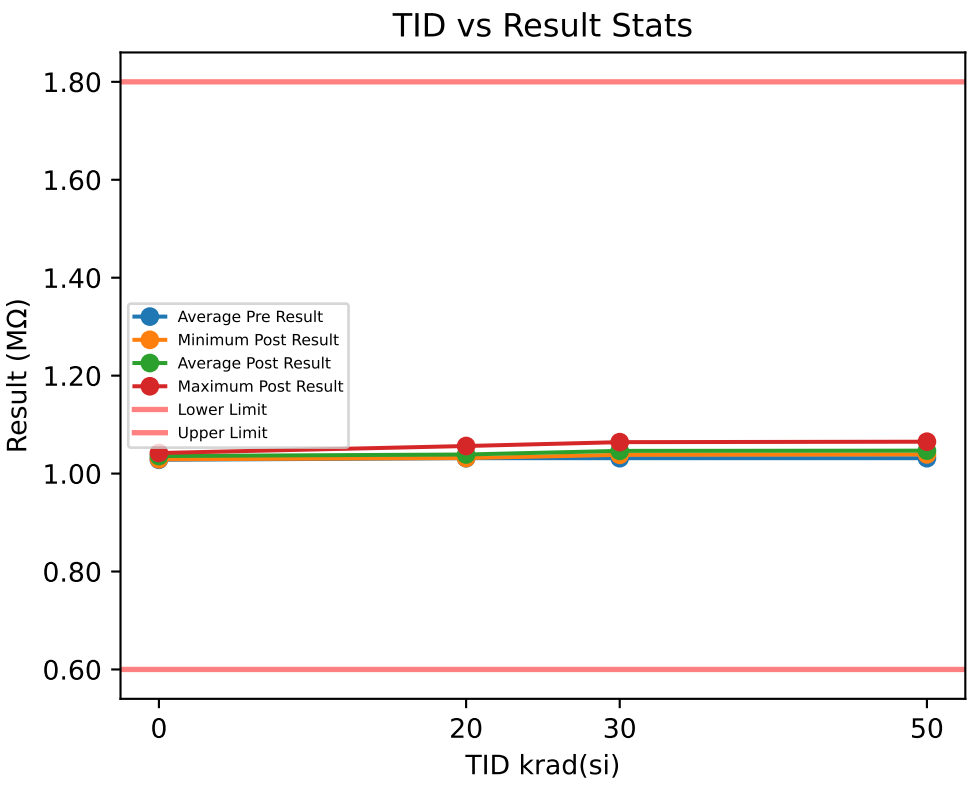
Test Results (Upper Limit = 4.5 (V))

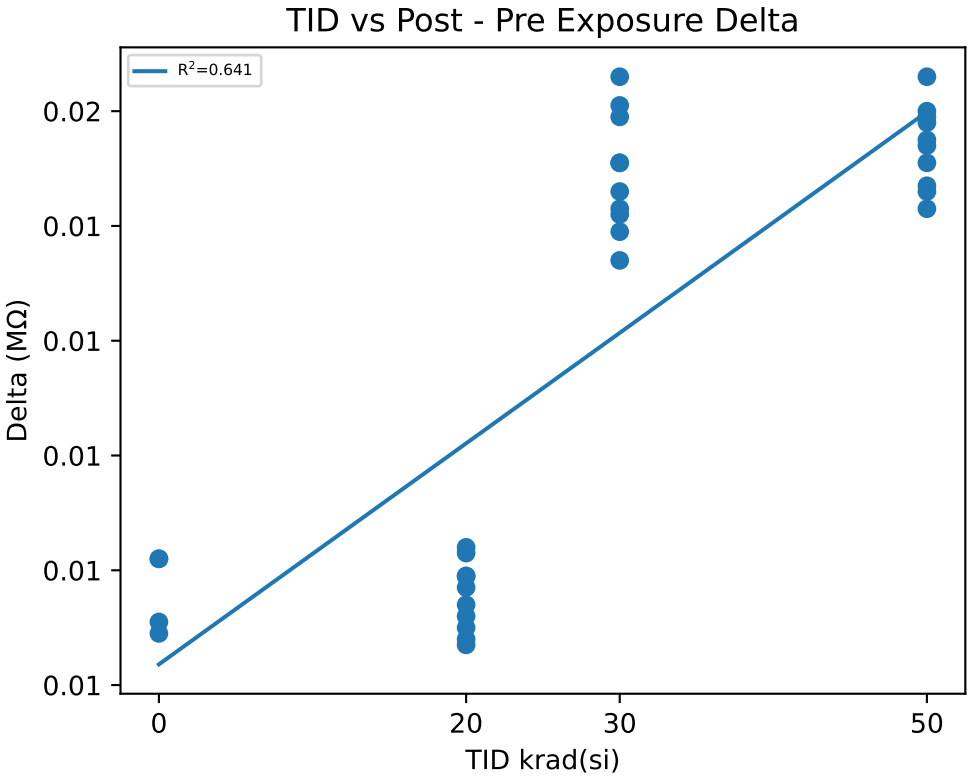
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
41	0	CORRELATION	3.5351	3.5339	-0.0012
42	0	CORRELATION	3.5001	3.5007	0.0006
43	0	CORRELATION	3.5086	3.5101	0.0015
45	0	CORRELATION	3.5039	3.5029	-0.001
71	20	LDR BIAS	3.526	3.467	-0.059
72	20	LDR BIAS	3.4985	3.4989	0.0004
73	20	LDR BIAS	3.502	3.5032	0.0012
74	20	LDR BIAS	3.5267	3.5373	0.0106
75	20	LDR BIAS	3.5145	3.5117	-0.0028
76	20	LDR UNBIAS	3.5251	3.5323	0.0072
77	20	LDR UNBIAS	3.537	3.5198	-0.0172
78	20	LDR UNBIAS	3.5129	3.5136	0.0007
79	20	LDR UNBIAS	3.5211	3.5179	-0.0032
80	20	LDR UNBIAS	3.5273	3.5301	0.0028
81	30	LDR BIAS	3.526	3.4224	-0.1036
82	30	LDR BIAS	3.4985	3.4579	-0.0406
83	30	LDR BIAS	3.502	3.5167	0.0147
84	30	LDR BIAS	3.5267	3.5245	-0.0022
85	30	LDR BIAS	3.5145	3.5107	-0.0038
86	30	LDR UNBIAS	3.5251	3.4951	-0.03
87	30	LDR UNBIAS	3.537	3.477	-0.06
88	30	LDR UNBIAS	3.5129	3.5207	0.0078
89	30	LDR UNBIAS	3.5211	3.5167	-0.0044
90	30	LDR UNBIAS	3.5273	3.5279	0.0006
91	50	LDR BIAS	3.526	3.3821	-0.1439
92	50	LDR BIAS	3.4985	3.4563	-0.0422
93	50	LDR BIAS	3.502	3.5007	-0.0013
94	50	LDR BIAS	3.5267	3.5266	-0.0001
95	50	LDR BIAS	3.5145	3.5154	0.0009
96	50	LDR UNBIAS	3.5251	3.4975	-0.0276
97	50	LDR UNBIAS	3.537	3.4458	-0.0912
98	50	LDR UNBIAS	3.5129	3.5216	0.0087
99	50	LDR UNBIAS	3.5211	3.5164	-0.0047
100	50	LDR UNBIAS	3.5273	3.5266	-0.0007

Test Statistics (V)

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	3.5001	3.5119	3.5351	0.015836	3.5007	3.5119	3.5339	0.015206	-0.0012	-2.5e-05	0.0015	0.0012971
20	3.4985	3.5191	3.537	0.012062	3.467	3.5132	3.5373	0.02038	-0.059	-0.00593	0.0106	0.020048
30	3.4985	3.5191	3.537	0.012062	3.4224	3.497	3.5279	0.034535	-0.1036	-0.02215	0.0147	0.036955
50	3.4985	3.5191	3.537	0.012062	3.3821	3.4889	3.5266	0.047034	-0.1439	-0.03021	0.0087	0.050046

Device Test: 18.3 LEVEL|RES/PGOOD/10/8////@I_PGOOD_PD_RES





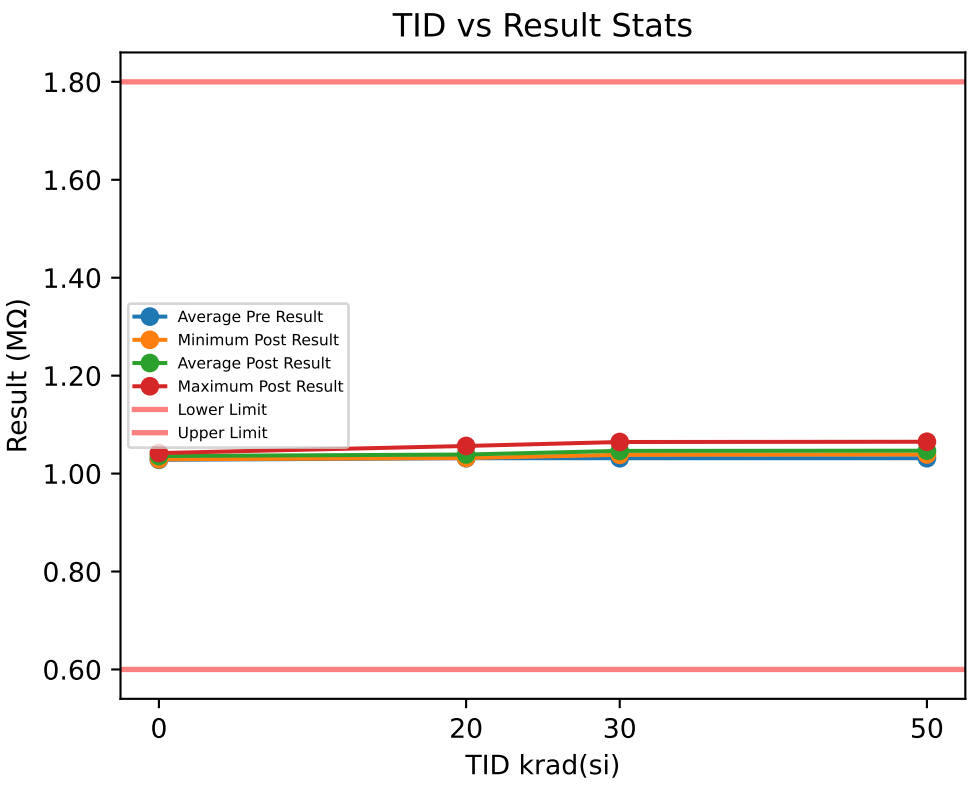
Test Results (Lower Limit = 0.6, Upper Limit = 1.8 (MΩ))

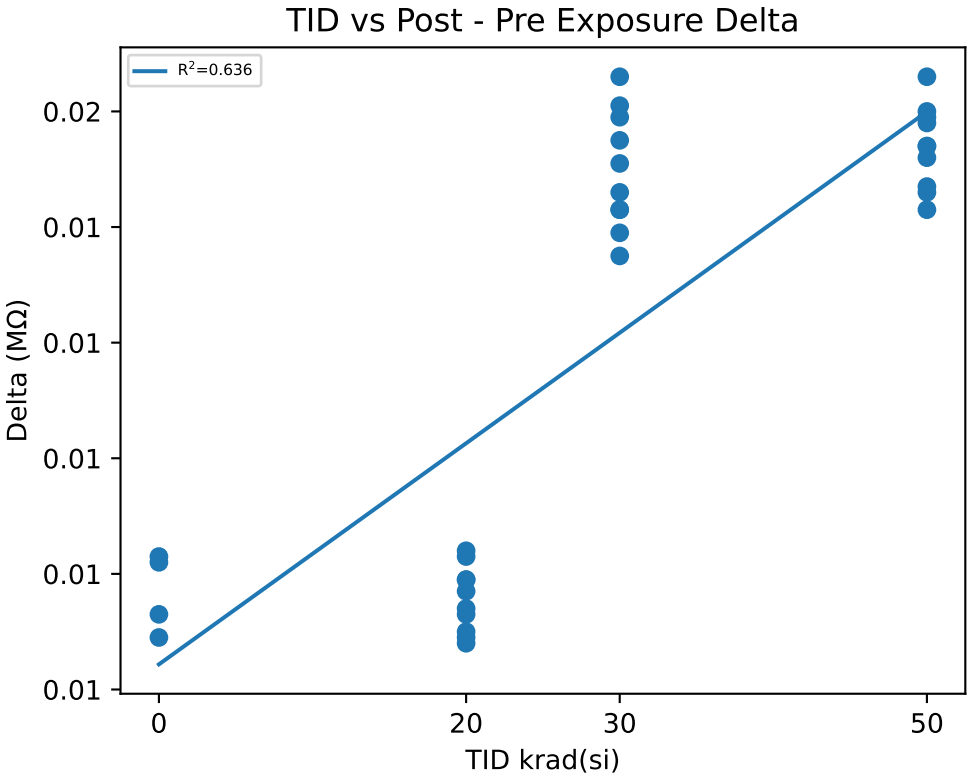
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
41	0	CORRELATION	1.0337	1.0408	0.0071
42	0	CORRELATION	1.021	1.0292	0.0082
43	0	CORRELATION	1.0243	1.0312	0.0069
45	0	CORRELATION	1.0338	1.042	0.0082
71	20	LDR BIAS	1.0491	1.0563	0.0072
72	20	LDR BIAS	1.0327	1.0411	0.0084
73	20	LDR BIAS	1.0379	1.0453	0.0074
74	20	LDR BIAS	1.028	1.0363	0.0083
75	20	LDR BIAS	1.0285	1.0352	0.0067
76	20	LDR UNBIAS	1.0294	1.0373	0.0079
77	20	LDR UNBIAS	1.0327	1.0397	0.007
78	20	LDR UNBIAS	1.0254	1.0333	0.0079
79	20	LDR UNBIAS	1.0249	1.0317	0.0068
80	20	LDR UNBIAS	1.0258	1.0335	0.0077
81	30	LDR BIAS	1.0491	1.0642	0.0151
82	30	LDR BIAS	1.0327	1.0493	0.0166
83	30	LDR BIAS	1.0379	1.0538	0.0159
84	30	LDR BIAS	1.028	1.0441	0.0161
85	30	LDR BIAS	1.0285	1.0427	0.0142
86	30	LDR UNBIAS	1.0294	1.0445	0.0151
87	30	LDR UNBIAS	1.0327	1.0466	0.0139
88	30	LDR UNBIAS	1.0254	1.04	0.0146
89	30	LDR UNBIAS	1.0249	1.0383	0.0134
90	30	LDR UNBIAS	1.0258	1.0401	0.0143
91	50	LDR BIAS	1.0491	1.0651	0.016
92	50	LDR BIAS	1.0327	1.0493	0.0166
93	50	LDR BIAS	1.0379	1.0534	0.0155
94	50	LDR BIAS	1.028	1.0439	0.0159
95	50	LDR BIAS	1.0285	1.0431	0.0146
96	50	LDR UNBIAS	1.0294	1.0452	0.0158
97	50	LDR UNBIAS	1.0327	1.0474	0.0147
98	50	LDR UNBIAS	1.0254	1.0408	0.0154
99	50	LDR UNBIAS	1.0249	1.0392	0.0143
100	50	LDR UNBIAS	1.0258	1.0409	0.0151

Test Statistics (MΩ)

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	1.021	1.0282	1.0338	0.0065488	1.0292	1.0358	1.042	0.0065361	0.0069	0.0076	0.0082	0.00069761
20	1.0249	1.0314	1.0491	0.0073973	1.0317	1.039	1.0563	0.0073373	0.0067	0.00753	0.0084	0.00060378
30	1.0249	1.0314	1.0491	0.0073973	1.0383	1.0464	1.0642	0.0078094	0.0134	0.01492	0.0166	0.0010326
50	1.0249	1.0314	1.0491	0.0073973	1.0392	1.0468	1.0651	0.0077336	0.0143	0.01539	0.0166	0.00071872

Device Test: 18.4 LEVEL|RES/PGOOD/12/10////@I_PGOOD_PD_RES





Test Results (Lower Limit = 0.6, Upper Limit = 1.8 (MΩ))

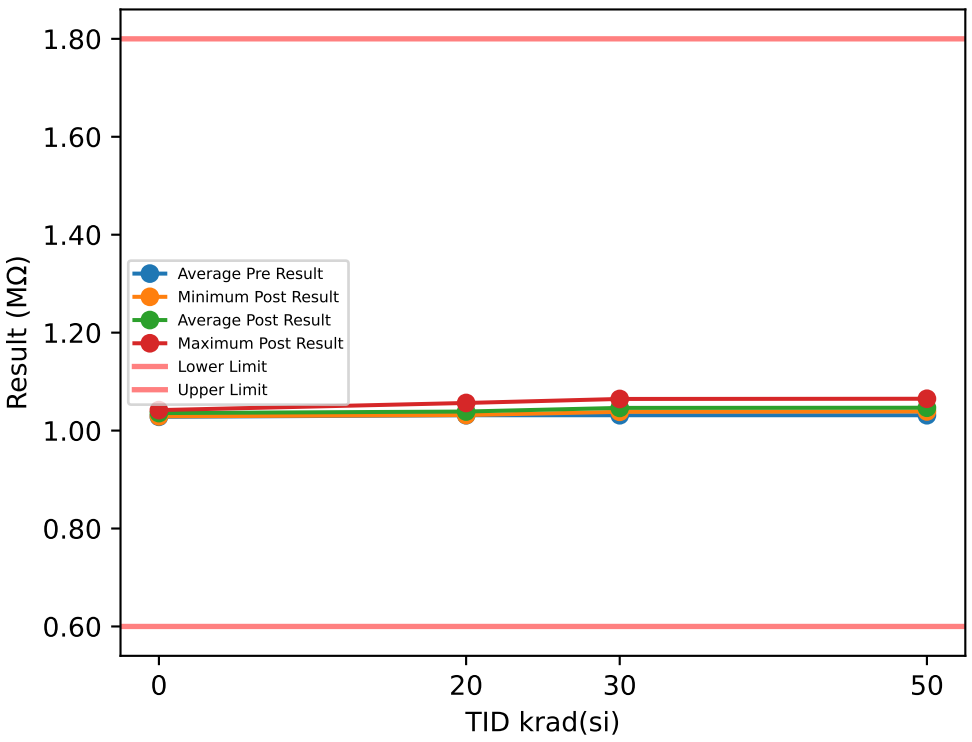
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
41	0	CORRELATION	1.0336	1.0409	0.0073
42	0	CORRELATION	1.0209	1.0292	0.0083
43	0	CORRELATION	1.0243	1.0312	0.0069
45	0	CORRELATION	1.0337	1.0419	0.0082
71	20	LDR BIAS	1.049	1.0564	0.0074
72	20	LDR BIAS	1.0326	1.041	0.0084
73	20	LDR BIAS	1.0379	1.0452	0.0073
74	20	LDR BIAS	1.0279	1.0362	0.0083
75	20	LDR BIAS	1.0284	1.0352	0.0068
76	20	LDR UNBIAS	1.0293	1.0372	0.0079
77	20	LDR UNBIAS	1.0327	1.0397	0.007
78	20	LDR UNBIAS	1.0253	1.0332	0.0079
79	20	LDR UNBIAS	1.0248	1.0317	0.0069
80	20	LDR UNBIAS	1.0257	1.0334	0.0077
81	30	LDR BIAS	1.049	1.0645	0.0155
82	30	LDR BIAS	1.0326	1.0492	0.0166
83	30	LDR BIAS	1.0379	1.0538	0.0159
84	30	LDR BIAS	1.0279	1.044	0.0161
85	30	LDR BIAS	1.0284	1.0427	0.0143
86	30	LDR UNBIAS	1.0293	1.0444	0.0151
87	30	LDR UNBIAS	1.0327	1.0466	0.0139
88	30	LDR UNBIAS	1.0253	1.0399	0.0146
89	30	LDR UNBIAS	1.0248	1.0383	0.0135
90	30	LDR UNBIAS	1.0257	1.04	0.0143
91	50	LDR BIAS	1.049	1.065	0.016
92	50	LDR BIAS	1.0326	1.0492	0.0166
93	50	LDR BIAS	1.0379	1.0533	0.0154
94	50	LDR BIAS	1.0279	1.0438	0.0159
95	50	LDR BIAS	1.0284	1.0431	0.0147
96	50	LDR UNBIAS	1.0293	1.0451	0.0158
97	50	LDR UNBIAS	1.0327	1.0473	0.0146
98	50	LDR UNBIAS	1.0253	1.0407	0.0154
99	50	LDR UNBIAS	1.0248	1.0391	0.0143
100	50	LDR UNBIAS	1.0257	1.0409	0.0152

Test Statistics (MΩ)

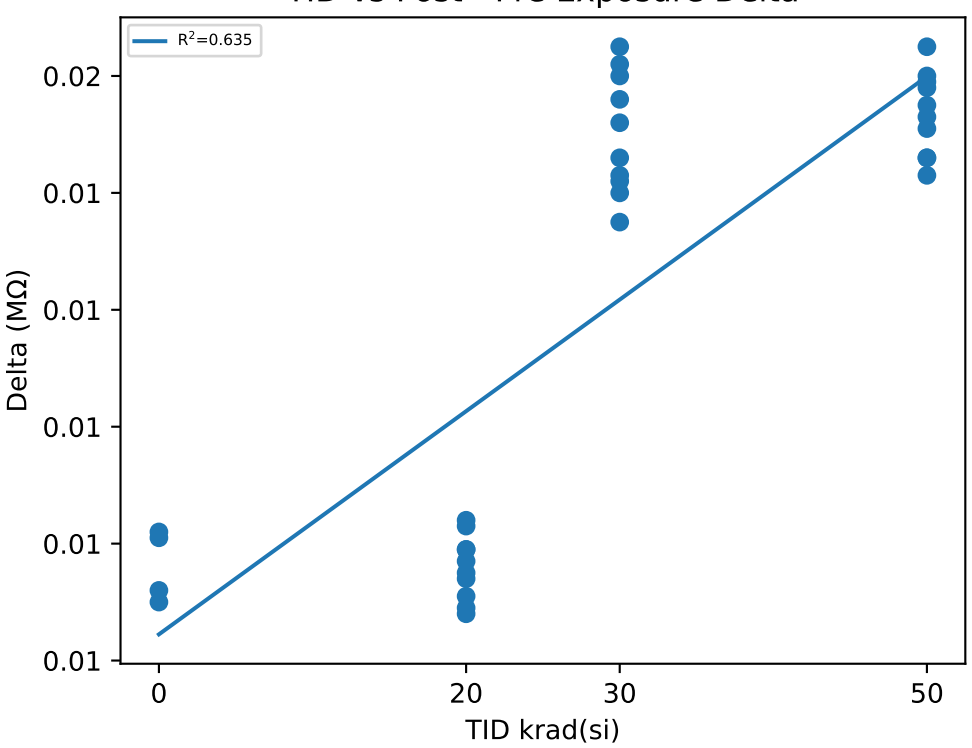
krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	1.0209	1.0281	1.0337	0.0065291	1.0292	1.0358	1.0419	0.0065304	0.0069	0.007675	0.0083	0.00068496
20	1.0248	1.0314	1.049	0.007409	1.0317	1.0389	1.0564	0.0073744	0.0068	0.00756	0.0084	0.00056999
30	1.0248	1.0314	1.049	0.007409	1.0383	1.0463	1.0645	0.0079056	0.0135	0.01498	0.0166	0.0010239
50	1.0248	1.0314	1.049	0.007409	1.0391	1.0467	1.065	0.0077199	0.0143	0.01539	0.0166	0.00071407

Device Test: 18.5 LEVEL|RES/PGOOD/14/14////@I_PGOOD_PD_RES

TID vs Result Stats



TID vs Post - Pre Exposure Delta



Test Results (Lower Limit = 0.6, Upper Limit = 1.8 (MΩ))

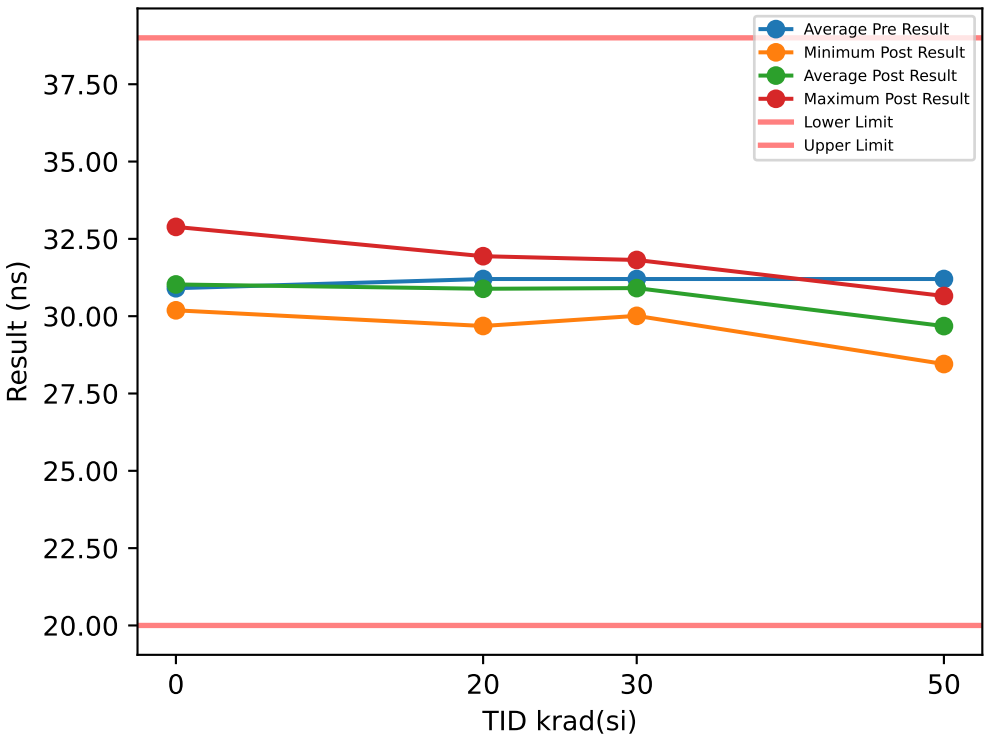
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
41	0	CORRELATION	1.0336	1.0408	0.0072
42	0	CORRELATION	1.0209	1.0291	0.0082
43	0	CORRELATION	1.0242	1.0312	0.007
45	0	CORRELATION	1.0337	1.0418	0.0081
71	20	LDR BIAS	1.049	1.0564	0.0074
72	20	LDR BIAS	1.0326	1.041	0.0084
73	20	LDR BIAS	1.0378	1.0453	0.0075
74	20	LDR BIAS	1.0278	1.0361	0.0083
75	20	LDR BIAS	1.0284	1.0352	0.0068
76	20	LDR UNBIAS	1.0292	1.0371	0.0079
77	20	LDR UNBIAS	1.0326	1.0397	0.0071
78	20	LDR UNBIAS	1.0253	1.0332	0.0079
79	20	LDR UNBIAS	1.0248	1.0317	0.0069
80	20	LDR UNBIAS	1.0257	1.0334	0.0077
81	30	LDR BIAS	1.049	1.0646	0.0156
82	30	LDR BIAS	1.0326	1.0491	0.0165
83	30	LDR BIAS	1.0378	1.0538	0.016
84	30	LDR BIAS	1.0278	1.044	0.0162
85	30	LDR BIAS	1.0284	1.0427	0.0143
86	30	LDR UNBIAS	1.0292	1.0444	0.0152
87	30	LDR UNBIAS	1.0326	1.0466	0.014
88	30	LDR UNBIAS	1.0253	1.0399	0.0146
89	30	LDR UNBIAS	1.0248	1.0383	0.0135
90	30	LDR UNBIAS	1.0257	1.0399	0.0142
91	50	LDR BIAS	1.049	1.065	0.016
92	50	LDR BIAS	1.0326	1.0491	0.0165
93	50	LDR BIAS	1.0378	1.0533	0.0155
94	50	LDR BIAS	1.0278	1.0437	0.0159
95	50	LDR BIAS	1.0284	1.043	0.0146
96	50	LDR UNBIAS	1.0292	1.045	0.0158
97	50	LDR UNBIAS	1.0326	1.0472	0.0146
98	50	LDR UNBIAS	1.0253	1.0406	0.0153
99	50	LDR UNBIAS	1.0248	1.0391	0.0143
100	50	LDR UNBIAS	1.0257	1.0408	0.0151

Test Statistics (MΩ)

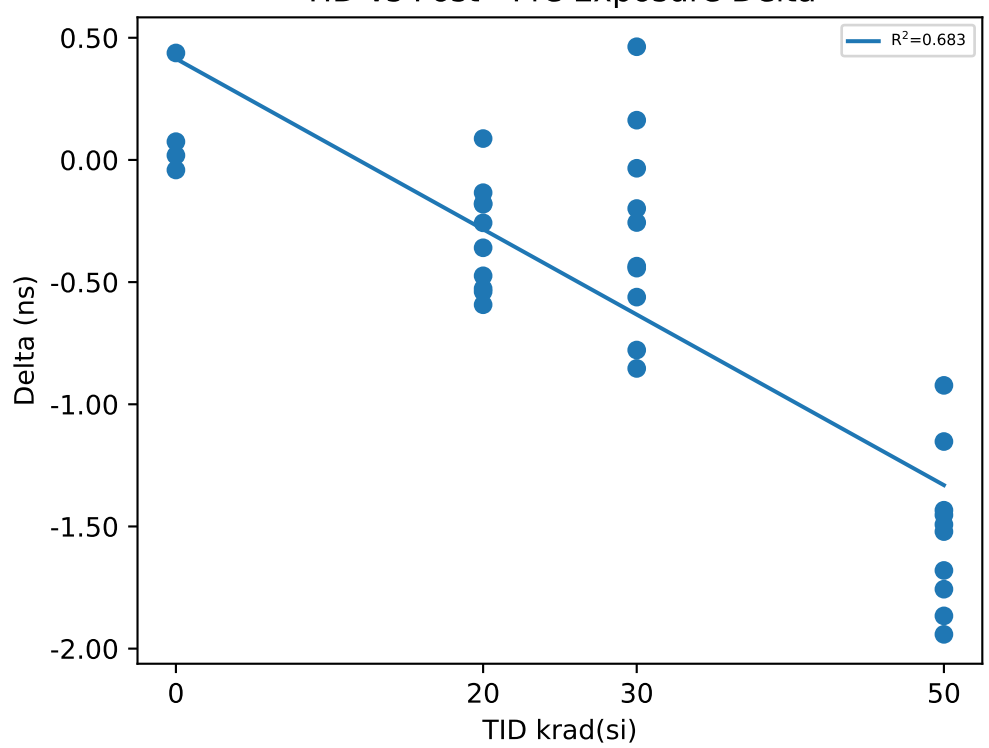
krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	1.0209	1.0281	1.0337	0.0065488	1.0291	1.0357	1.0418	0.0065071	0.007	0.007625	0.0082	0.00061305
20	1.0248	1.0313	1.049	0.0074057	1.0317	1.0389	1.0564	0.0073908	0.0068	0.00759	0.0084	0.00055267
30	1.0248	1.0313	1.049	0.0074057	1.0383	1.0463	1.0646	0.0079361	0.0135	0.01501	0.0165	0.0010344
50	1.0248	1.0313	1.049	0.0074057	1.0391	1.0467	1.065	0.0077446	0.0143	0.01536	0.0165	0.00071212

Device Test: 19.1 PWM|DEADTIME/GATE/10/8///0MHz/@T_RLH

TID vs Result Stats



TID vs Post - Pre Exposure Delta



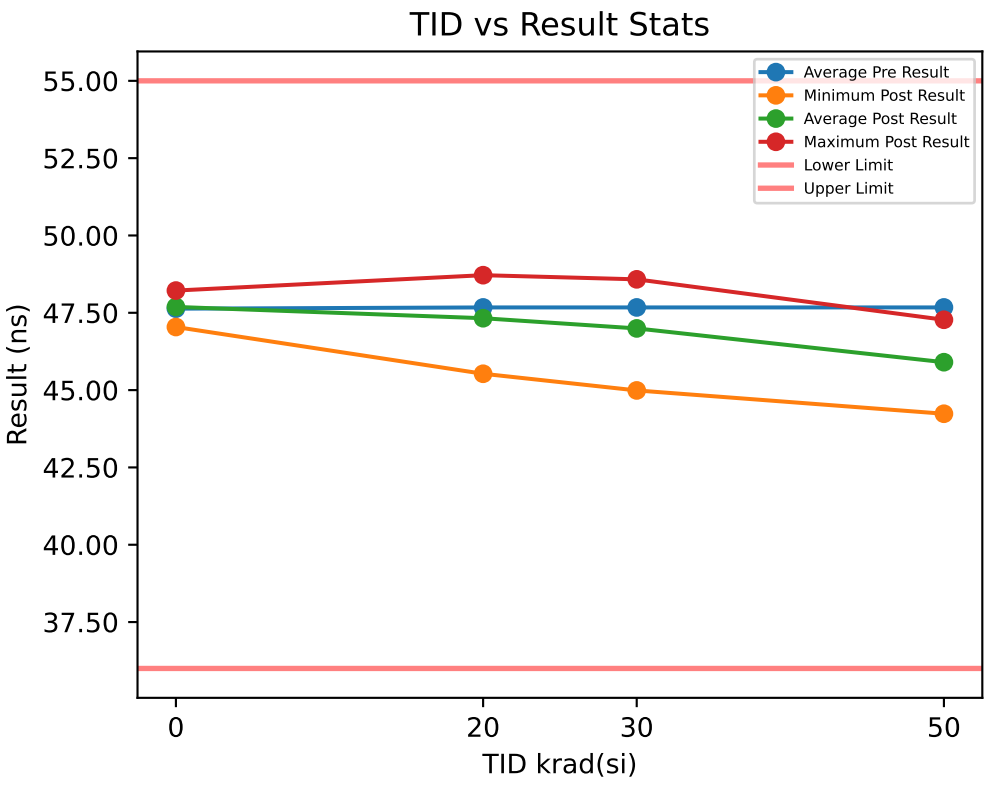
Test Results (Lower Limit = 20.0, Upper Limit = 39.0 (ns))

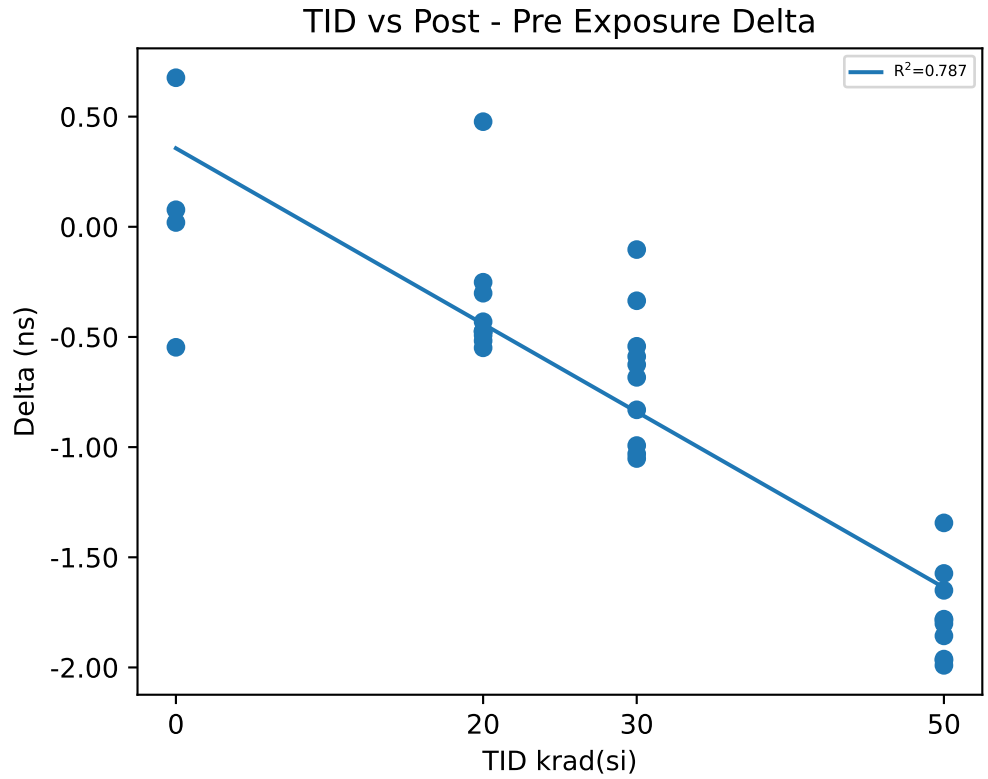
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
41	0	CORRELATION	30.174	30.612	0.4378
42	0	CORRELATION	30.398	30.416	0.0187
43	0	CORRELATION	32.928	32.887	-0.0411
45	0	CORRELATION	30.115	30.19	0.0748
71	20	LDR BIAS	31.074	30.892	-0.1813
72	20	LDR BIAS	30.887	30.63	-0.2574
73	20	LDR BIAS	30.996	30.818	-0.1782
74	20	LDR BIAS	32.074	31.939	-0.134
75	20	LDR BIAS	30.357	30.445	0.0875
76	20	LDR UNBIAS	30.799	30.325	-0.4742
77	20	LDR UNBIAS	31.693	31.334	-0.3595
78	20	LDR UNBIAS	32.52	31.927	-0.5926
79	20	LDR UNBIAS	30.21	29.683	-0.5265
80	20	LDR UNBIAS	31.408	30.869	-0.539
81	30	LDR BIAS	31.074	31.537	0.4633
82	30	LDR BIAS	30.887	30.444	-0.4428
83	30	LDR BIAS	30.996	30.962	-0.0341
84	30	LDR BIAS	32.074	31.817	-0.2561
85	30	LDR BIAS	30.357	30.52	0.1627
86	30	LDR UNBIAS	30.799	30.364	-0.4347
87	30	LDR UNBIAS	31.693	30.915	-0.778
88	30	LDR UNBIAS	32.52	31.666	-0.8533
89	30	LDR UNBIAS	30.21	30.011	-0.1988
90	30	LDR UNBIAS	31.408	30.846	-0.5614
91	50	LDR BIAS	31.074	29.921	-1.1524
92	50	LDR BIAS	30.887	29.366	-1.521
93	50	LDR BIAS	30.996	29.316	-1.68
94	50	LDR BIAS	32.074	30.64	-1.4336
95	50	LDR BIAS	30.357	29.435	-0.9226
96	50	LDR UNBIAS	30.799	29.307	-1.492
97	50	LDR UNBIAS	31.693	29.752	-1.9416
98	50	LDR UNBIAS	32.52	30.654	-1.866
99	50	LDR UNBIAS	30.21	28.453	-1.7568
100	50	LDR UNBIAS	31.408	29.955	-1.453

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	30.115	30.904	32.928	1.3549	30.19	31.026	32.887	1.2523	-0.0411	0.12255	0.4378	0.21543
20	30.21	31.202	32.52	0.73014	29.683	30.886	31.939	0.70089	-0.5926	-0.31552	0.0875	0.21959
30	30.21	31.202	32.52	0.73014	30.011	30.908	31.817	0.60283	-0.8533	-0.29332	0.4633	0.41105
50	30.21	31.202	32.52	0.73014	28.453	29.68	30.654	0.662	-1.9416	-1.5219	-0.9226	0.31338

Device Test: 19.10 PWM|DEADTIME/GATE/12/10///0MHz/@T_RHL





Test Results (Lower Limit = 36.0, Upper Limit = 55.0 (ns))

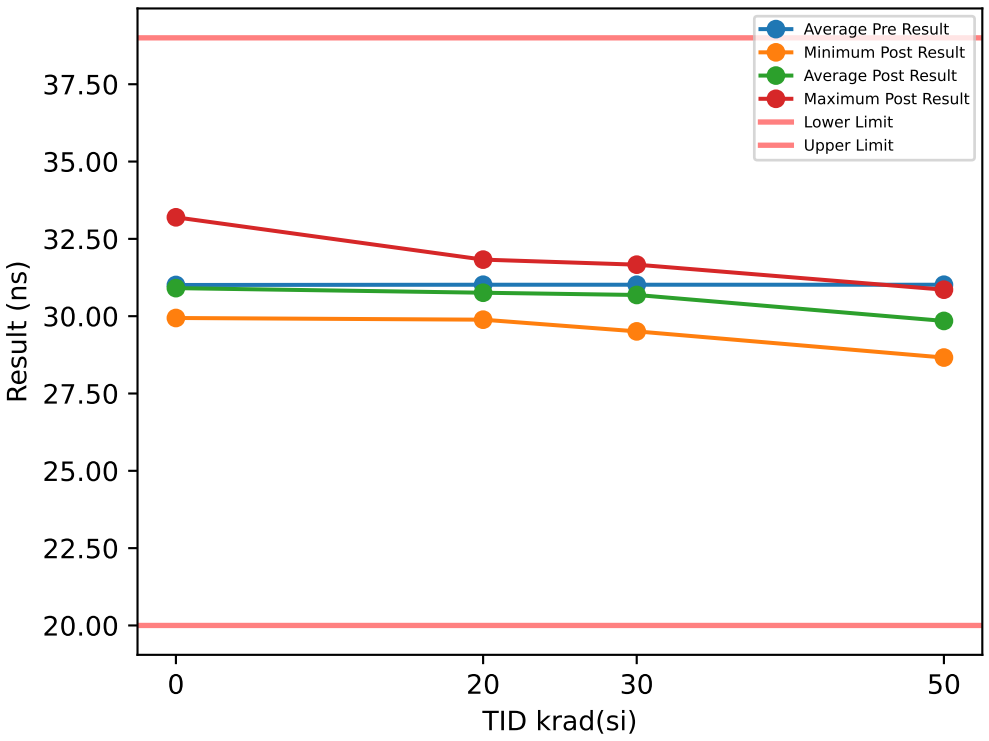
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
41	0	CORRELATION	46.364	47.04	0.6765
42	0	CORRELATION	48.142	48.219	0.0773
43	0	CORRELATION	47.887	47.34	-0.547
45	0	CORRELATION	48.142	48.161	0.0195
71	20	LDR BIAS	46.02	45.529	-0.4917
72	20	LDR BIAS	48.464	47.989	-0.4741
73	20	LDR BIAS	48.243	47.812	-0.4309
74	20	LDR BIAS	48.17	47.696	-0.4744
75	20	LDR BIAS	47.476	47.225	-0.2516
76	20	LDR UNBIAS	49.265	48.716	-0.5493
77	20	LDR UNBIAS	47.779	47.262	-0.5171
78	20	LDR UNBIAS	47.044	46.743	-0.3015
79	20	LDR UNBIAS	47.003	47.48	0.4771
80	20	LDR UNBIAS	47.271	46.796	-0.4748
81	30	LDR BIAS	46.02	44.99	-1.0306
82	30	LDR BIAS	48.464	47.921	-0.5424
83	30	LDR BIAS	48.243	47.191	-1.0518
84	30	LDR BIAS	48.17	47.544	-0.6258
85	30	LDR BIAS	47.476	46.646	-0.8307
86	30	LDR UNBIAS	49.265	48.582	-0.6834
87	30	LDR UNBIAS	47.779	46.786	-0.9928
88	30	LDR UNBIAS	47.044	46.708	-0.3357
89	30	LDR UNBIAS	47.003	46.899	-0.1034
90	30	LDR UNBIAS	47.271	46.682	-0.5888
91	50	LDR BIAS	46.02	44.236	-1.7843
92	50	LDR BIAS	48.464	46.663	-1.801
93	50	LDR BIAS	48.243	46.275	-1.9678
94	50	LDR BIAS	48.17	46.389	-1.7809
95	50	LDR BIAS	47.476	45.826	-1.6501
96	50	LDR UNBIAS	49.265	47.275	-1.9905
97	50	LDR UNBIAS	47.779	45.817	-1.9621
98	50	LDR UNBIAS	47.044	45.471	-1.5733
99	50	LDR UNBIAS	47.003	45.659	-1.3439
100	50	LDR UNBIAS	47.271	45.414	-1.8567

Test Statistics (ns)

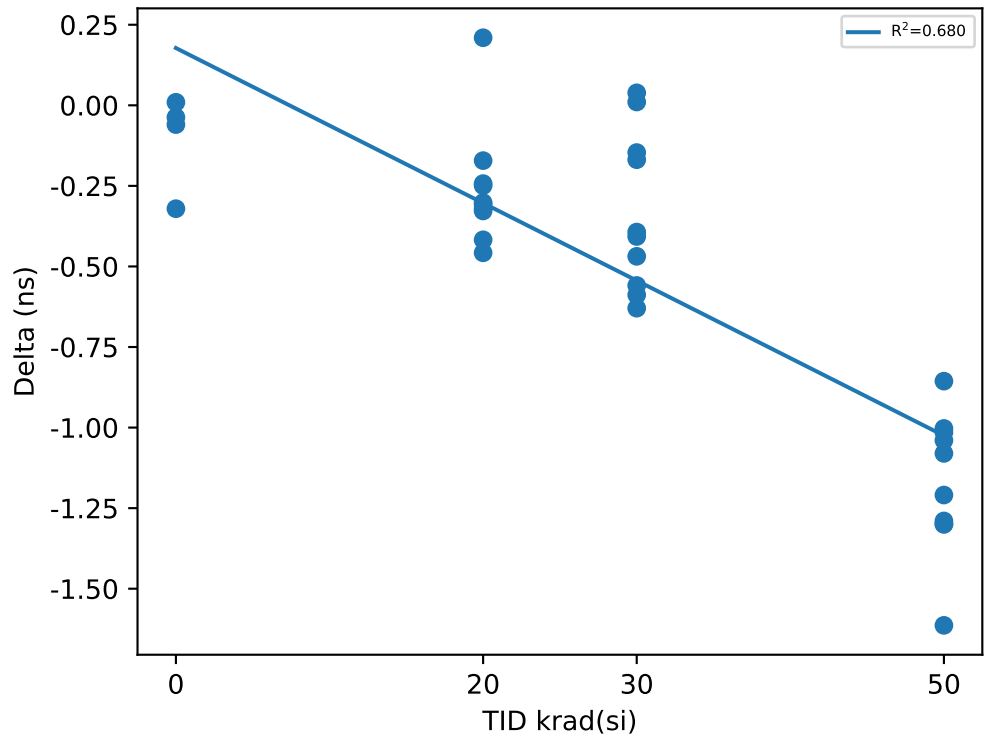
krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	46.364	47.633	48.142	0.85492	47.04	47.69	48.219	0.59058	-0.547	0.056575	0.6765	0.50014
20	46.02	47.673	49.265	0.91411	45.529	47.325	48.716	0.85863	-0.5493	-0.34883	0.4771	0.30493
30	46.02	47.673	49.265	0.91411	44.99	46.995	48.582	0.94824	-1.0518	-0.67854	-0.1034	0.30964
50	46.02	47.673	49.265	0.91411	44.236	45.902	47.275	0.82404	-1.9905	-1.7711	-1.3439	0.20223

Device Test: 19.11 PWM|DEADTIME/GATE/12/10///0.5MHz/@T_RLH

TID vs Result Stats



TID vs Post - Pre Exposure Delta



Test Results (Lower Limit = 20.0, Upper Limit = 39.0 (ns))

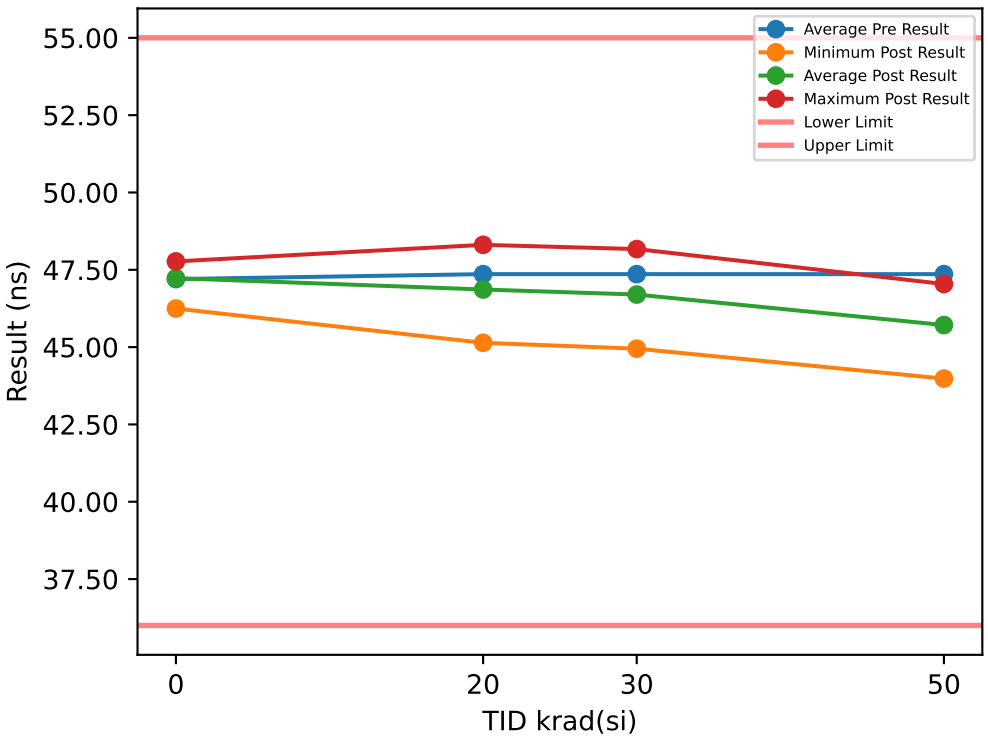
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
41	0	CORRELATION	30.483	30.162	-0.3208
42	0	CORRELATION	30.318	30.328	0.0094
43	0	CORRELATION	33.234	33.197	-0.0372
45	0	CORRELATION	30.001	29.941	-0.0598
71	20	LDR BIAS	31.181	30.764	-0.4173
72	20	LDR BIAS	30.807	30.505	-0.3019
73	20	LDR BIAS	31.095	30.788	-0.3073
74	20	LDR BIAS	32.059	31.816	-0.2429
75	20	LDR BIAS	30.581	30.409	-0.1716
76	20	LDR UNBIAS	30.697	30.239	-0.4577
77	20	LDR UNBIAS	30.787	30.538	-0.2491
78	20	LDR UNBIAS	32.157	31.829	-0.3278
79	20	LDR UNBIAS	29.677	29.887	0.2097
80	20	LDR UNBIAS	31.129	30.809	-0.3199
81	30	LDR BIAS	31.181	31.191	0.0103
82	30	LDR BIAS	30.807	30.338	-0.4686
83	30	LDR BIAS	31.095	30.466	-0.6295
84	30	LDR BIAS	32.059	31.666	-0.3933
85	30	LDR BIAS	30.581	30.434	-0.1466
86	30	LDR UNBIAS	30.697	30.138	-0.5591
87	30	LDR UNBIAS	30.787	30.826	0.0387
88	30	LDR UNBIAS	32.157	31.569	-0.5882
89	30	LDR UNBIAS	29.677	29.509	-0.1687
90	30	LDR UNBIAS	31.129	30.722	-0.4071
91	50	LDR BIAS	31.181	30.141	-1.0397
92	50	LDR BIAS	30.807	29.517	-1.2897
93	50	LDR BIAS	31.095	29.481	-1.6137
94	50	LDR BIAS	32.059	30.85	-1.2093
95	50	LDR BIAS	30.581	29.578	-1.0027
96	50	LDR UNBIAS	30.697	29.398	-1.2992
97	50	LDR UNBIAS	30.787	29.931	-0.8559
98	50	LDR UNBIAS	32.157	30.857	-1.3002
99	50	LDR UNBIAS	29.677	28.663	-1.0148
100	50	LDR UNBIAS	31.129	30.049	-1.0801

Test Statistics (ns)

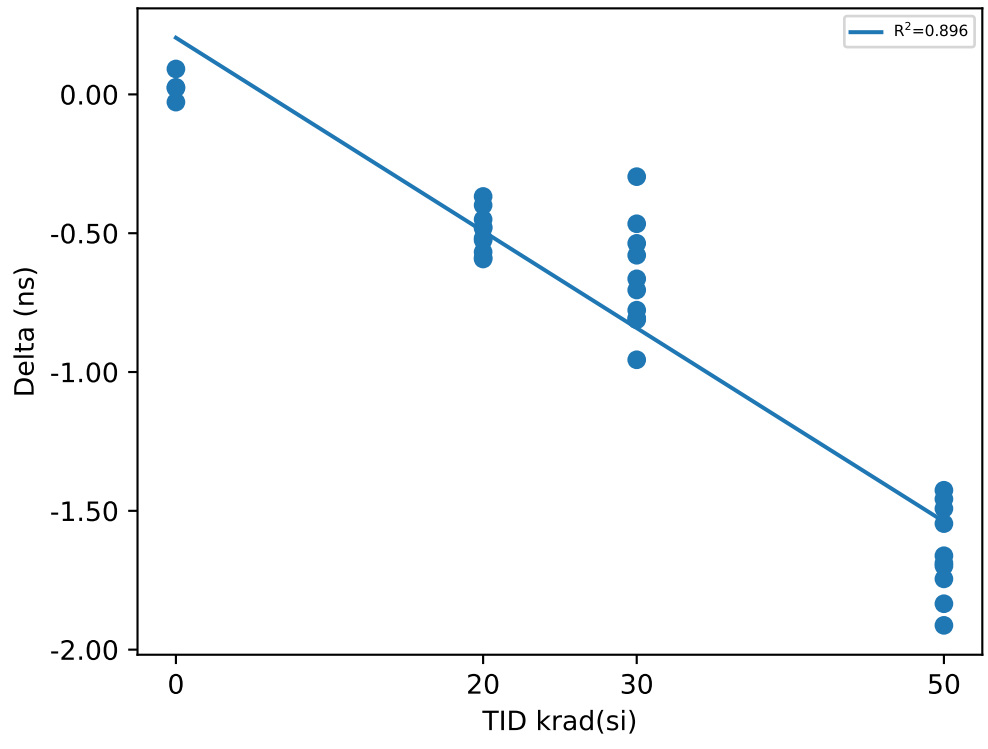
krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	30.001	31.009	33.234	1.4968	29.941	30.907	33.197	1.5348	-0.3208	-0.1021	0.0094	0.14862
20	29.677	31.017	32.157	0.71615	29.887	30.758	31.829	0.62651	-0.4577	-0.25858	0.2097	0.18404
30	29.677	31.017	32.157	0.71615	29.509	30.686	31.666	0.66123	-0.6295	-0.33121	0.0387	0.24707
50	29.677	31.017	32.157	0.71615	28.663	29.846	30.857	0.67325	-1.6137	-1.1705	-0.8559	0.21658

Device Test: 19.12 PWM|DEADTIME/GATE/12/10///0.5MHz/@T_RHL

TID vs Result Stats



TID vs Post - Pre Exposure Delta



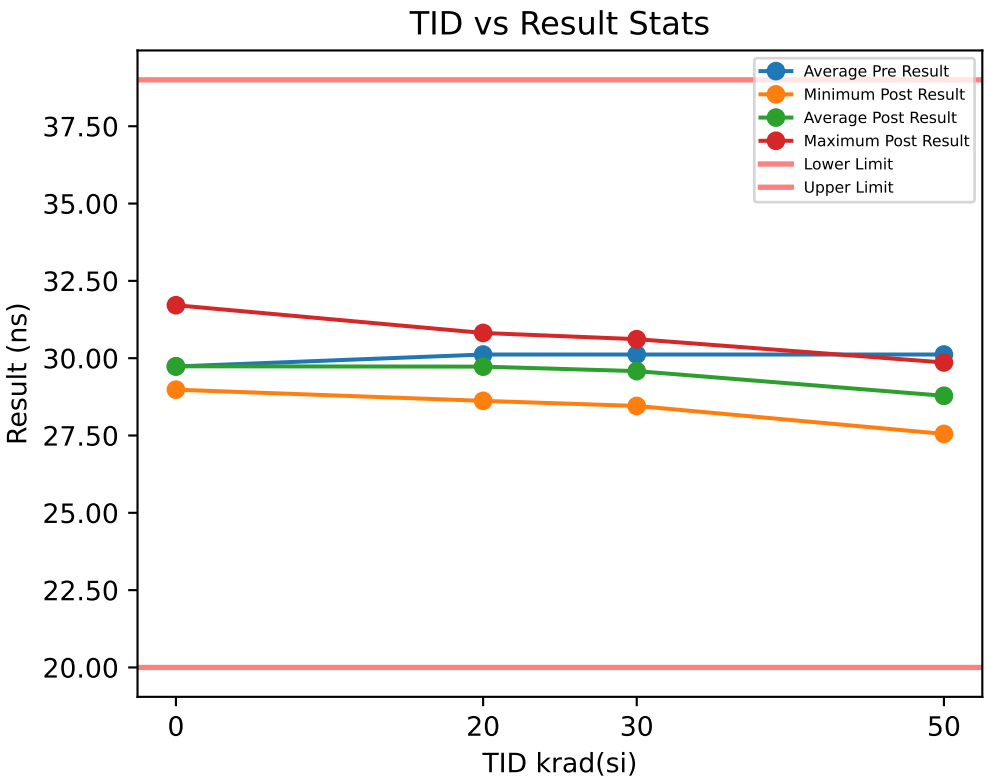
Test Results (Lower Limit = 36.0, Upper Limit = 55.0 (ns))

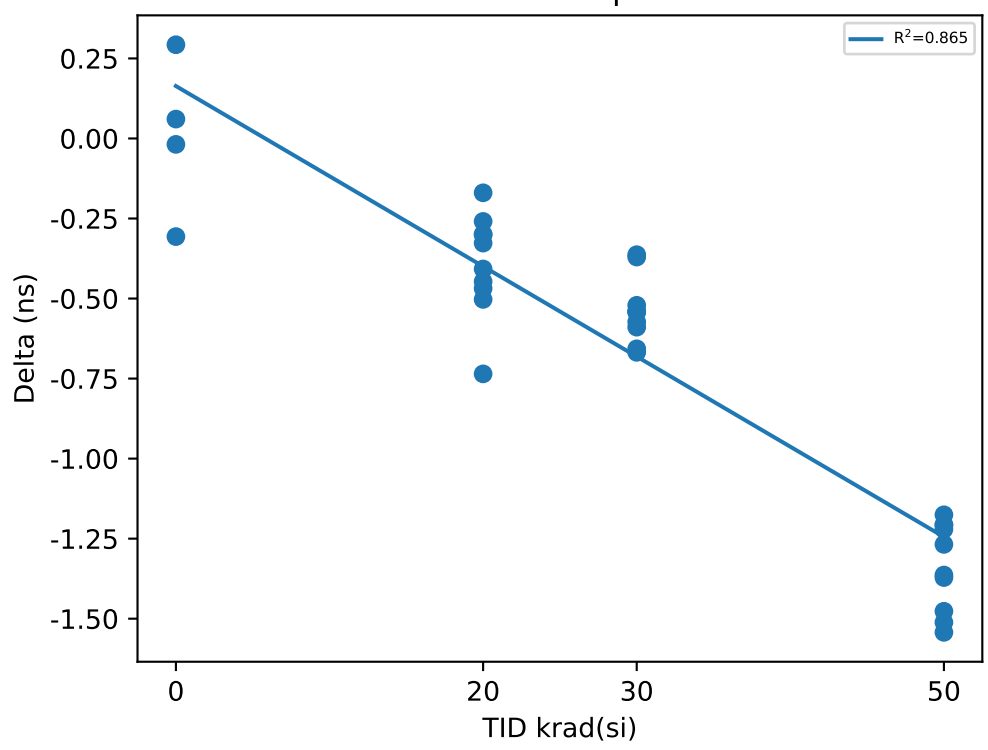
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
41	0	CORRELATION	46.224	46.247	0.023
42	0	CORRELATION	47.799	47.771	-0.0278
43	0	CORRELATION	47.197	47.289	0.0916
45	0	CORRELATION	47.579	47.605	0.0255
71	20	LDR BIAS	45.727	45.139	-0.5882
72	20	LDR BIAS	48.035	47.553	-0.4819
73	20	LDR BIAS	47.744	47.345	-0.3992
74	20	LDR BIAS	47.745	47.152	-0.5929
75	20	LDR BIAS	47.285	46.759	-0.5252
76	20	LDR UNBIAS	48.875	48.307	-0.5677
77	20	LDR UNBIAS	47.568	47.05	-0.518
78	20	LDR UNBIAS	46.709	46.342	-0.3676
79	20	LDR UNBIAS	47.129	46.651	-0.4775
80	20	LDR UNBIAS	46.779	46.329	-0.4504
81	30	LDR BIAS	45.727	44.95	-0.7772
82	30	LDR BIAS	48.035	47.498	-0.5365
83	30	LDR BIAS	47.744	46.932	-0.8118
84	30	LDR BIAS	47.745	47.08	-0.6643
85	30	LDR BIAS	47.285	46.479	-0.8055
86	30	LDR UNBIAS	48.875	48.17	-0.7046
87	30	LDR UNBIAS	47.568	46.612	-0.9559
88	30	LDR UNBIAS	46.709	46.243	-0.466
89	30	LDR UNBIAS	47.129	46.832	-0.2963
90	30	LDR UNBIAS	46.779	46.2	-0.5794
91	50	LDR BIAS	45.727	43.982	-1.7451
92	50	LDR BIAS	48.035	46.577	-1.4574
93	50	LDR BIAS	47.744	46.083	-1.6617
94	50	LDR BIAS	47.745	46.253	-1.4919
95	50	LDR BIAS	47.285	45.596	-1.6883
96	50	LDR UNBIAS	48.875	47.04	-1.8346
97	50	LDR UNBIAS	47.568	45.656	-1.9125
98	50	LDR UNBIAS	46.709	45.283	-1.4258
99	50	LDR UNBIAS	47.129	45.43	-1.6986
100	50	LDR UNBIAS	46.779	45.233	-1.546

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	46.224	47.2	47.799	0.69627	46.247	47.228	47.771	0.68368	-0.0278	0.028075	0.0916	0.048955
20	45.727	47.36	48.875	0.85468	45.139	46.863	48.307	0.84961	-0.5929	-0.49686	-0.3676	0.076622
30	45.727	47.36	48.875	0.85468	44.95	46.7	48.17	0.85584	-0.9559	-0.65975	-0.2963	0.19413
50	45.727	47.36	48.875	0.85468	43.982	45.713	47.04	0.84615	-1.9125	-1.6462	-1.4258	0.16297

Device Test: 19.13 PWM|DEADTIME/GATE/12/10///1MHz/@T_RLH





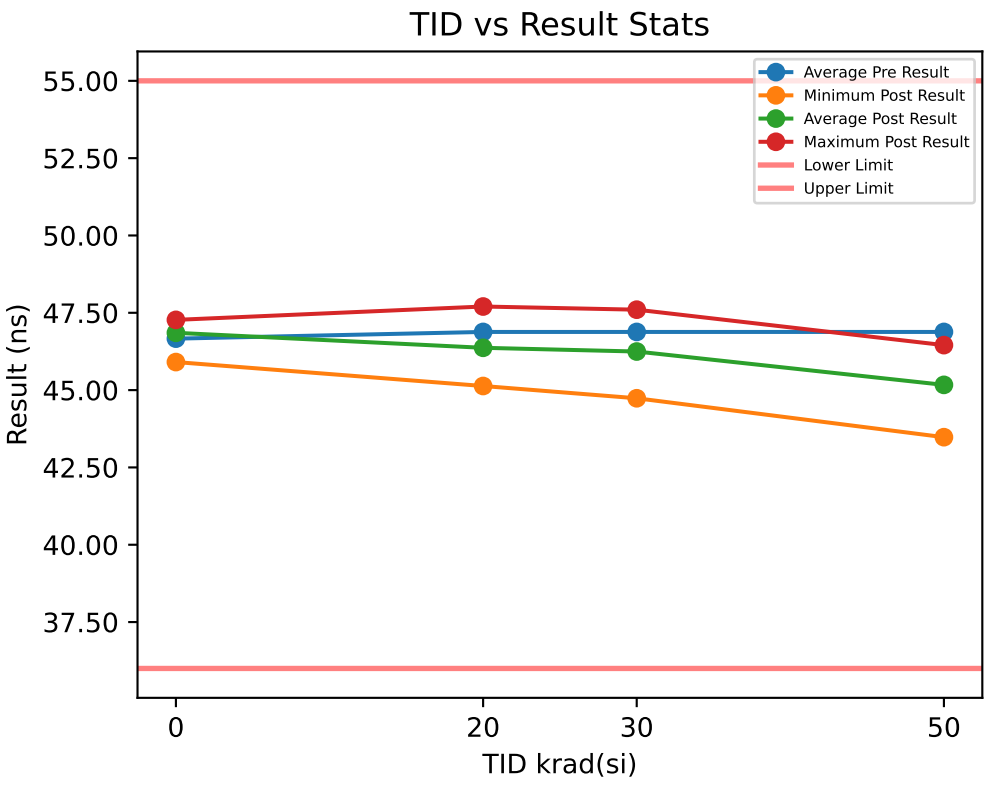
Test Results (Lower Limit = 20.0, Upper Limit = 39.0 (ns))

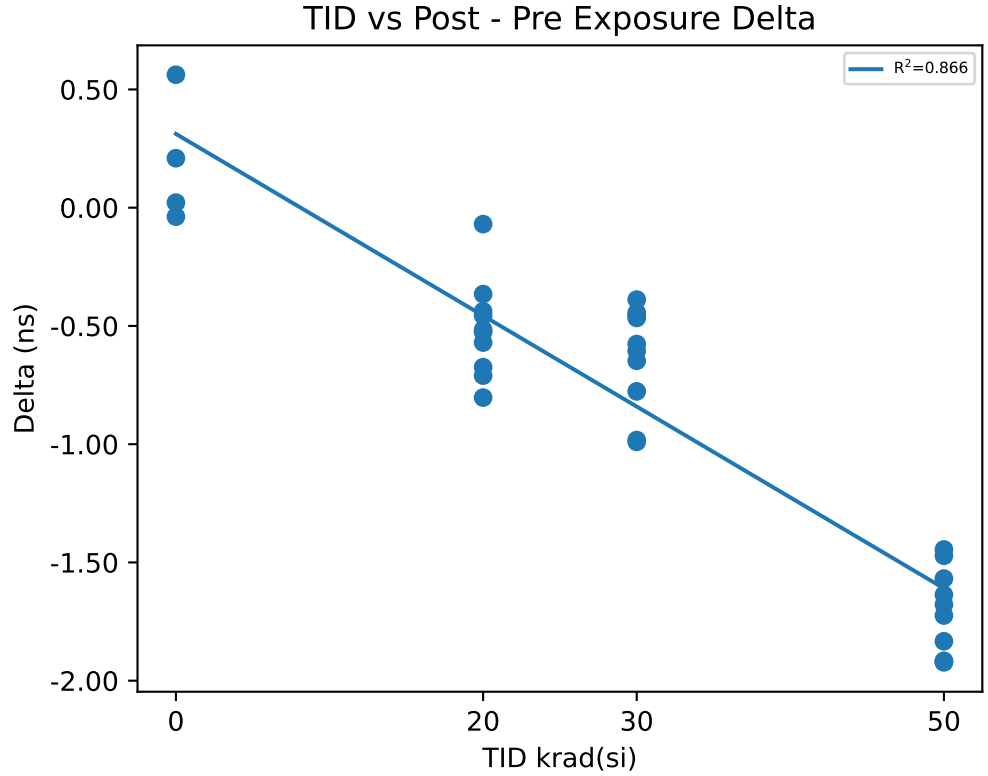
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
41	0	CORRELATION	29.368	29.061	-0.3065
42	0	CORRELATION	29.214	29.195	-0.0184
43	0	CORRELATION	31.42	31.713	0.2928
45	0	CORRELATION	28.922	28.982	0.0606
71	20	LDR BIAS	30.586	29.85	-0.7353
72	20	LDR BIAS	29.701	29.374	-0.3268
73	20	LDR BIAS	29.907	29.608	-0.2989
74	20	LDR BIAS	30.985	30.816	-0.1697
75	20	LDR BIAS	29.791	29.49	-0.3008
76	20	LDR UNBIAS	29.629	29.182	-0.4468
77	20	LDR UNBIAS	30.117	29.858	-0.2591
78	20	LDR UNBIAS	31.233	30.765	-0.4684
79	20	LDR UNBIAS	29.028	28.621	-0.4076
80	20	LDR UNBIAS	30.209	29.706	-0.5027
81	30	LDR BIAS	30.586	29.996	-0.5894
82	30	LDR BIAS	29.701	29.158	-0.5428
83	30	LDR BIAS	29.907	29.25	-0.657
84	30	LDR BIAS	30.985	30.615	-0.3704
85	30	LDR BIAS	29.791	29.25	-0.541
86	30	LDR UNBIAS	29.629	29.09	-0.5395
87	30	LDR UNBIAS	30.117	29.754	-0.363
88	30	LDR UNBIAS	31.233	30.565	-0.668
89	30	LDR UNBIAS	29.028	28.455	-0.573
90	30	LDR UNBIAS	30.209	29.688	-0.5211
91	50	LDR BIAS	30.586	29.043	-1.5427
92	50	LDR BIAS	29.701	28.48	-1.2208
93	50	LDR BIAS	29.907	28.395	-1.5115
94	50	LDR BIAS	30.985	29.779	-1.2066
95	50	LDR BIAS	29.791	28.523	-1.2679
96	50	LDR UNBIAS	29.629	28.422	-1.207
97	50	LDR UNBIAS	30.117	28.754	-1.3636
98	50	LDR UNBIAS	31.233	29.861	-1.3715
99	50	LDR UNBIAS	29.028	27.551	-1.4768
100	50	LDR UNBIAS	30.209	29.034	-1.1755

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	28.922	29.731	31.42	1.1412	28.982	29.738	31.713	1.3195	-0.3065	0.007125	0.2928	0.24731
20	29.028	30.119	31.233	0.66456	28.621	29.727	30.816	0.66751	-0.7353	-0.39161	-0.1697	0.15899
30	29.028	30.119	31.233	0.66456	28.455	29.582	30.615	0.67972	-0.668	-0.53652	-0.363	0.10217
50	29.028	30.119	31.233	0.66456	27.551	28.784	29.861	0.68658	-1.5427	-1.3344	-1.1755	0.1384

Device Test: 19.14 PWM|DEADTIME/GATE/12/10///1MHz/@T_RHL





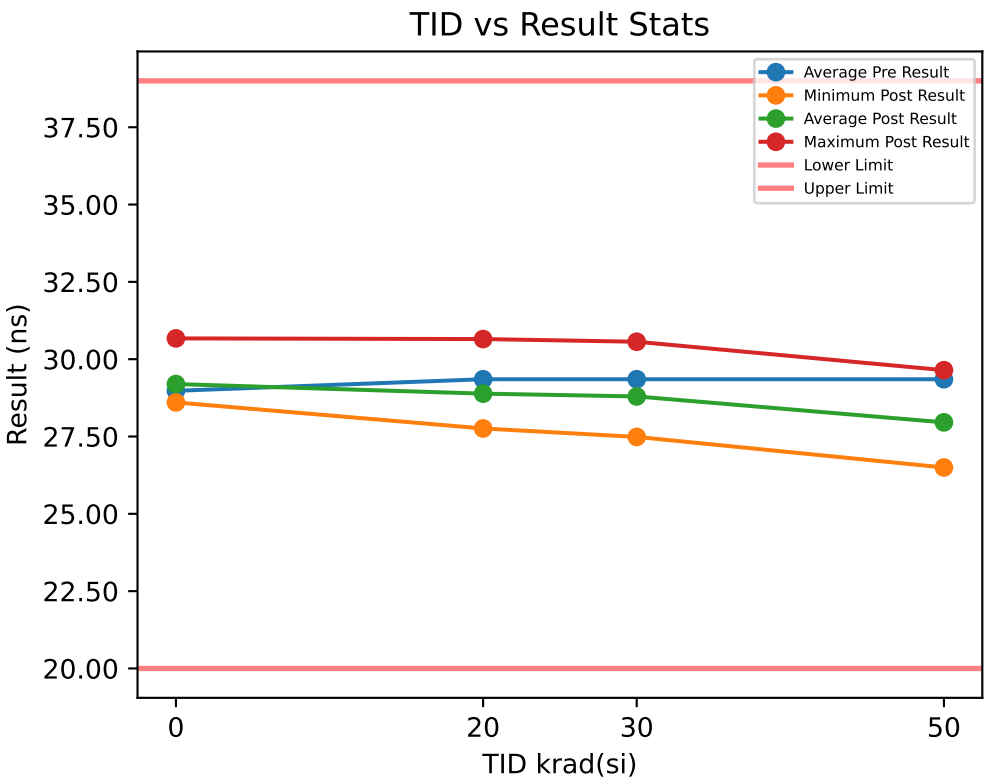
Test Results (Lower Limit = 36.0, Upper Limit = 55.0 (ns))

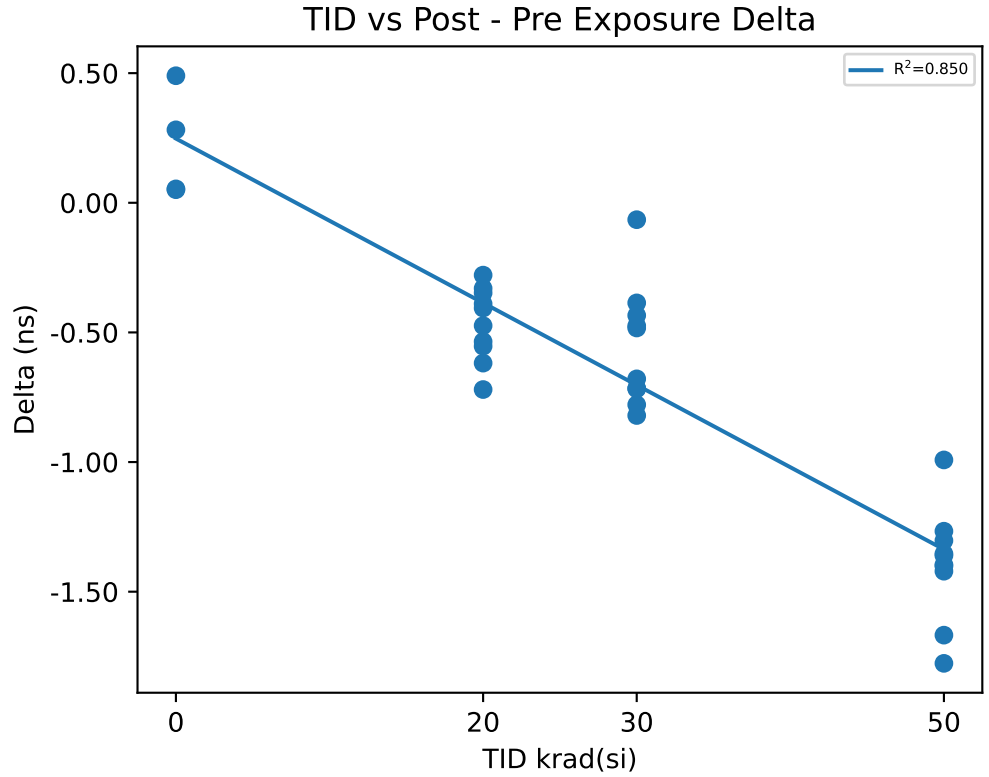
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
41	0	CORRELATION	45.698	45.907	0.2092
42	0	CORRELATION	47.249	47.271	0.0215
43	0	CORRELATION	46.566	47.128	0.5622
45	0	CORRELATION	47.144	47.106	-0.0379
71	20	LDR BIAS	45.202	45.133	-0.0695
72	20	LDR BIAS	47.538	47.082	-0.4559
73	20	LDR BIAS	47.178	46.662	-0.5158
74	20	LDR BIAS	47.262	46.692	-0.5703
75	20	LDR BIAS	46.838	46.035	-0.8029
76	20	LDR UNBIAS	48.377	47.703	-0.6743
77	20	LDR UNBIAS	47.009	46.483	-0.5259
78	20	LDR UNBIAS	46.231	45.866	-0.3653
79	20	LDR UNBIAS	46.774	46.064	-0.71
80	20	LDR UNBIAS	46.399	45.961	-0.438
81	30	LDR BIAS	45.202	44.736	-0.4662
82	30	LDR BIAS	47.538	46.932	-0.6053
83	30	LDR BIAS	47.178	46.789	-0.3886
84	30	LDR BIAS	47.262	46.615	-0.6474
85	30	LDR BIAS	46.838	45.848	-0.9902
86	30	LDR UNBIAS	48.377	47.601	-0.7766
87	30	LDR UNBIAS	47.009	46.554	-0.4552
88	30	LDR UNBIAS	46.231	45.787	-0.4441
89	30	LDR UNBIAS	46.774	45.792	-0.9825
90	30	LDR UNBIAS	46.399	45.823	-0.5766
91	50	LDR BIAS	45.202	43.478	-1.7244
92	50	LDR BIAS	47.538	46.066	-1.4717
93	50	LDR BIAS	47.178	45.541	-1.6369
94	50	LDR BIAS	47.262	45.694	-1.5682
95	50	LDR BIAS	46.838	45.005	-1.8333
96	50	LDR UNBIAS	48.377	46.455	-1.9225
97	50	LDR UNBIAS	47.009	45.093	-1.9159
98	50	LDR UNBIAS	46.231	44.786	-1.4452
99	50	LDR UNBIAS	46.774	44.855	-1.9195
100	50	LDR UNBIAS	46.399	44.721	-1.6782

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	45.698	46.664	47.249	0.71109	45.907	46.853	47.271	0.63506	-0.0379	0.18875	0.5622	0.27032
20	45.202	46.881	48.377	0.84365	45.133	46.368	47.703	0.71823	-0.8029	-0.51279	-0.0695	0.2054
30	45.202	46.881	48.377	0.84365	44.736	46.248	47.601	0.80736	-0.9902	-0.63327	-0.3886	0.21842
50	45.202	46.881	48.377	0.84365	43.478	45.169	46.455	0.83069	-1.9225	-1.7116	-1.4452	0.18263

Device Test: 19.15 PWM|DEADTIME/GATE/12/10///2MHz/@T_RLH





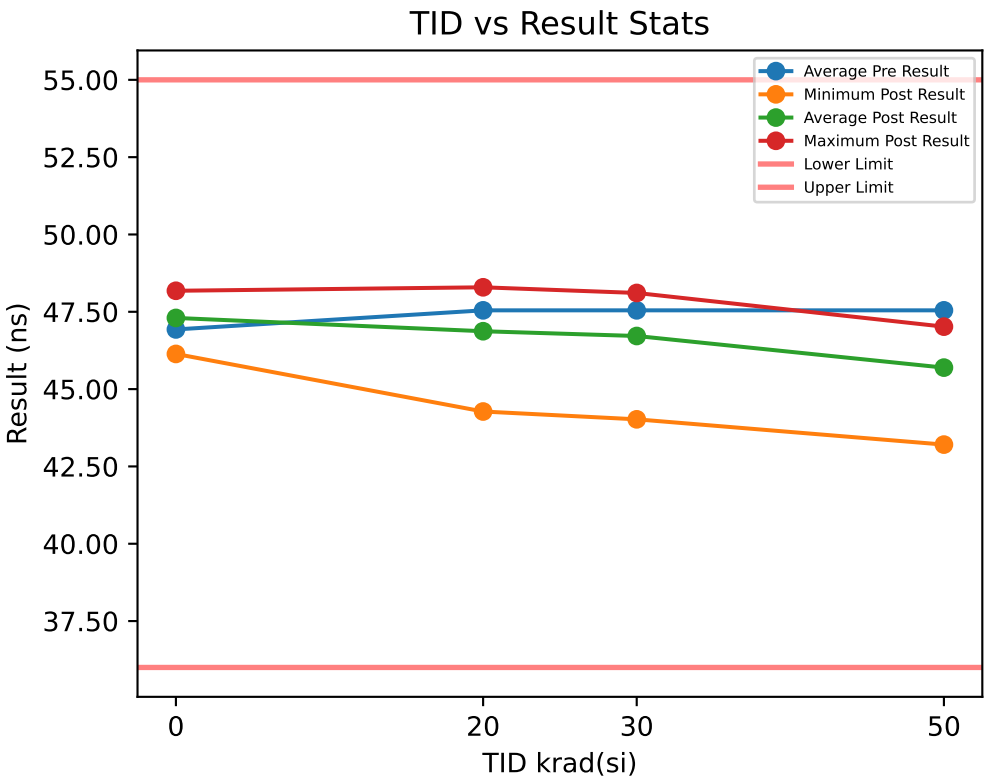
Test Results (Lower Limit = 20.0, Upper Limit = 39.0 (ns))

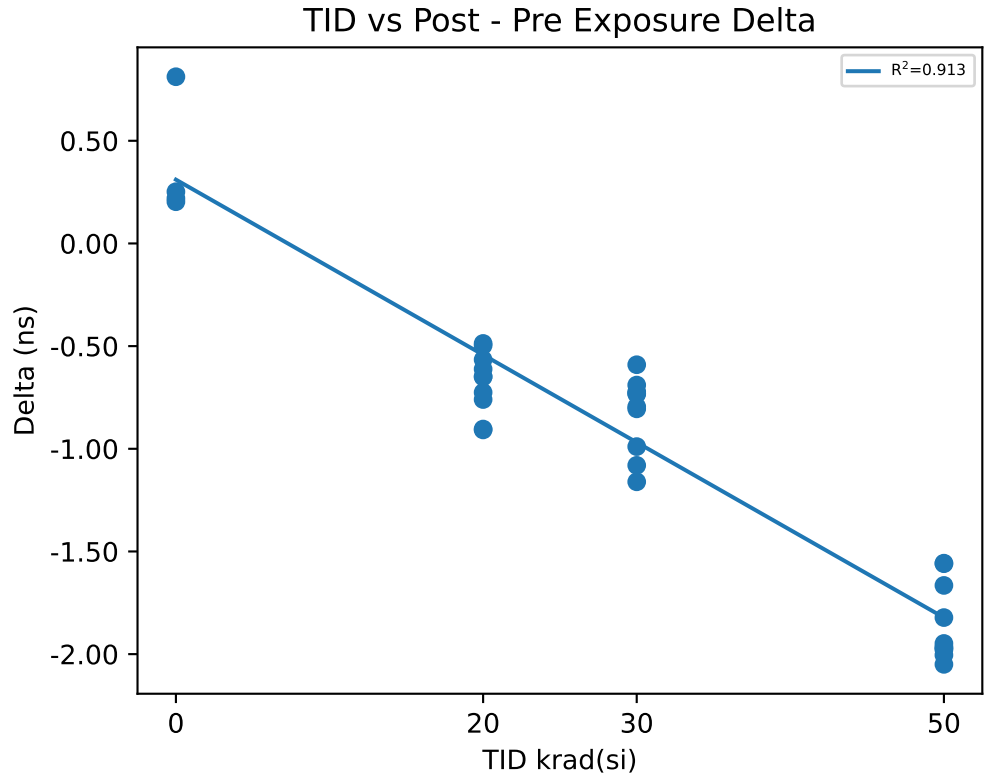
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
41	0	CORRELATION	28.507	28.788	0.2814
42	0	CORRELATION	28.552	28.602	0.0505
43	0	CORRELATION	30.182	30.672	0.49
45	0	CORRELATION	28.67	28.723	0.0536
71	20	LDR BIAS	28.854	28.464	-0.3898
72	20	LDR BIAS	29.335	28.782	-0.5531
73	20	LDR BIAS	28.771	28.492	-0.279
74	20	LDR BIAS	30.998	30.651	-0.3476
75	20	LDR BIAS	28.994	28.459	-0.5354
76	20	LDR UNBIAS	29.067	28.449	-0.6184
77	20	LDR UNBIAS	29.381	29.051	-0.3303
78	20	LDR UNBIAS	29.916	29.196	-0.7203
79	20	LDR UNBIAS	28.166	27.76	-0.406
80	20	LDR UNBIAS	30.029	29.555	-0.474
81	30	LDR BIAS	28.854	28.789	-0.0652
82	30	LDR BIAS	29.335	28.62	-0.7154
83	30	LDR BIAS	28.771	28.296	-0.4745
84	30	LDR BIAS	30.998	30.564	-0.4344
85	30	LDR BIAS	28.994	28.277	-0.7174
86	30	LDR UNBIAS	29.067	28.288	-0.7788
87	30	LDR UNBIAS	29.381	28.995	-0.3861
88	30	LDR UNBIAS	29.916	29.096	-0.8204
89	30	LDR UNBIAS	28.166	27.487	-0.6791
90	30	LDR UNBIAS	30.029	29.546	-0.4829
91	50	LDR BIAS	28.854	27.862	-0.9918
92	50	LDR BIAS	29.335	27.939	-1.3961
93	50	LDR BIAS	28.771	27.504	-1.2667
94	50	LDR BIAS	30.998	29.645	-1.3538
95	50	LDR BIAS	28.994	27.594	-1.4009
96	50	LDR UNBIAS	29.067	27.707	-1.3603
97	50	LDR UNBIAS	29.381	27.96	-1.421
98	50	LDR UNBIAS	29.916	28.14	-1.7764
99	50	LDR UNBIAS	28.166	26.498	-1.6676
100	50	LDR UNBIAS	30.029	28.726	-1.3028

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	28.507	28.978	30.182	0.80593	28.602	29.196	30.672	0.98674	0.0505	0.21888	0.49	0.21062
20	28.166	29.351	30.998	0.79507	27.76	28.886	30.651	0.79374	-0.7203	-0.46539	-0.279	0.1403
30	28.166	29.351	30.998	0.79507	27.487	28.796	30.564	0.83925	-0.8204	-0.55542	-0.0652	0.23158
50	28.166	29.351	30.998	0.79507	26.498	27.957	29.645	0.81713	-1.7764	-1.3937	-0.9918	0.21367

Device Test: 19.16 PWM|DEADTIME/GATE/12/10///2MHz/@T_RHL





Test Results (Lower Limit = 36.0, Upper Limit = 55.0 (ns))

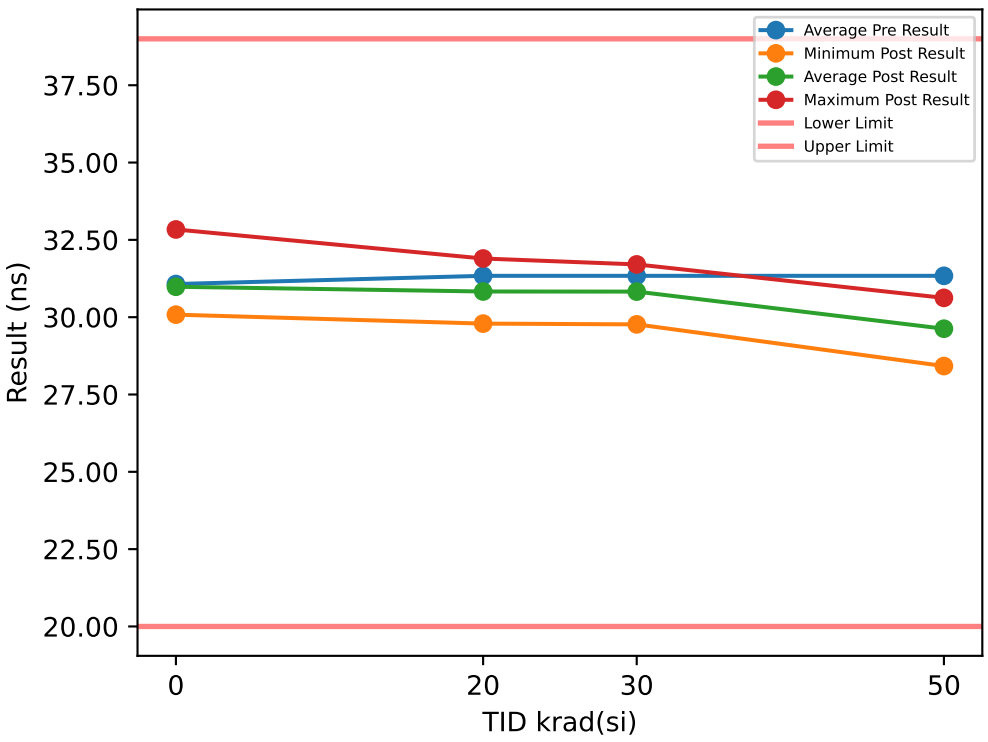
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
41	0	CORRELATION	45.885	46.137	0.252
42	0	CORRELATION	47.955	48.158	0.2032
43	0	CORRELATION	45.918	46.73	0.8119
45	0	CORRELATION	47.96	48.18	0.2195
71	20	LDR BIAS	45.184	44.276	-0.9081
72	20	LDR BIAS	48.321	47.596	-0.7255
73	20	LDR BIAS	47.311	46.663	-0.6484
74	20	LDR BIAS	48.579	47.819	-0.7601
75	20	LDR BIAS	46.966	46.062	-0.9038
76	20	LDR UNBIAS	48.904	48.292	-0.6119
77	20	LDR UNBIAS	47.467	46.817	-0.6494
78	20	LDR UNBIAS	48.694	48.128	-0.5659
79	20	LDR UNBIAS	46.585	46.098	-0.4869
80	20	LDR UNBIAS	47.46	46.963	-0.4968
81	30	LDR BIAS	45.184	44.023	-1.1608
82	30	LDR BIAS	48.321	47.592	-0.7296
83	30	LDR BIAS	47.311	46.506	-0.8055
84	30	LDR BIAS	48.579	47.89	-0.6896
85	30	LDR BIAS	46.966	45.885	-1.0806
86	30	LDR UNBIAS	48.904	48.109	-0.7949
87	30	LDR UNBIAS	47.467	46.477	-0.9893
88	30	LDR UNBIAS	48.694	47.971	-0.7223
89	30	LDR UNBIAS	46.585	45.851	-0.7336
90	30	LDR UNBIAS	47.46	46.87	-0.5906
91	50	LDR BIAS	45.184	43.206	-1.9779
92	50	LDR BIAS	48.321	46.656	-1.6654
93	50	LDR BIAS	47.311	45.754	-1.557
94	50	LDR BIAS	48.579	47.02	-1.5596
95	50	LDR BIAS	46.966	44.995	-1.971
96	50	LDR UNBIAS	48.904	46.854	-2.0498
97	50	LDR UNBIAS	47.467	45.462	-2.0046
98	50	LDR UNBIAS	48.694	46.871	-1.822
99	50	LDR UNBIAS	46.585	44.637	-1.948
100	50	LDR UNBIAS	47.46	45.495	-1.9648

Test Statistics (ns)

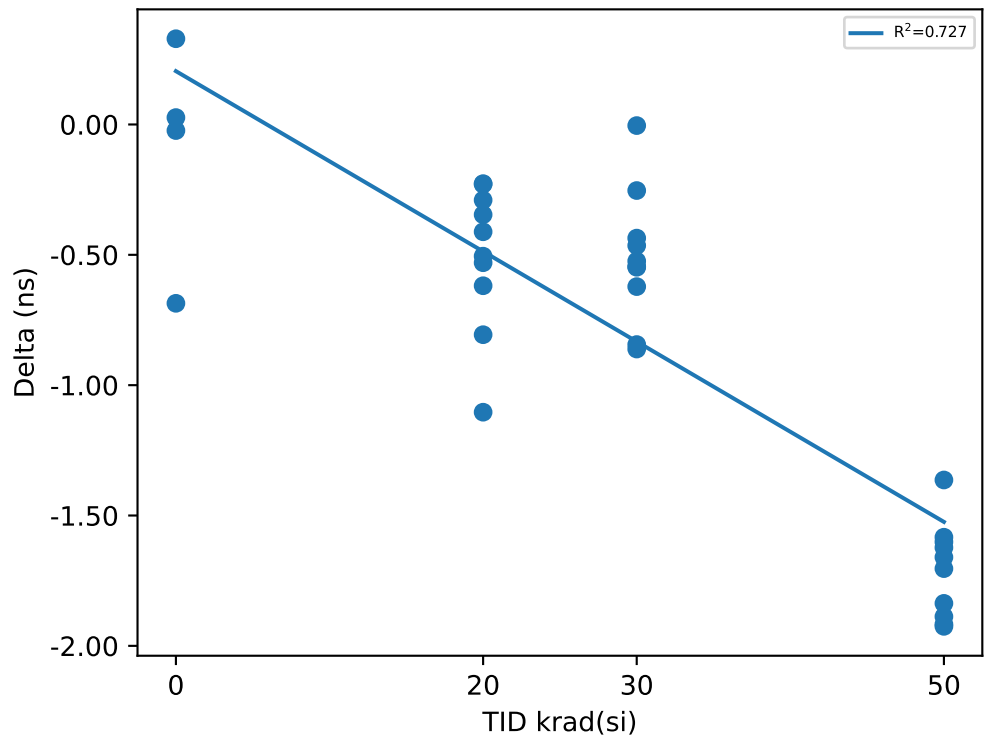
krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	45.885	46.93	47.96	1.1871	46.137	47.301	48.18	1.0308	0.2032	0.37165	0.8119	0.2942
20	45.184	47.547	48.904	1.142	44.276	46.871	48.292	1.2049	-0.9081	-0.67568	-0.4869	0.14939
30	45.184	47.547	48.904	1.142	44.023	46.717	48.109	1.2682	-1.1608	-0.82968	-0.5906	0.18482
50	45.184	47.547	48.904	1.142	43.206	45.695	47.02	1.216	-2.0498	-1.852	-1.557	0.18933

Device Test: 19.17 PWM|DEADTIME/GATE/14/14///0MHz/@T_RLH

TID vs Result Stats



TID vs Post - Pre Exposure Delta



Test Results (Lower Limit = 20.0, Upper Limit = 39.0 (ns))

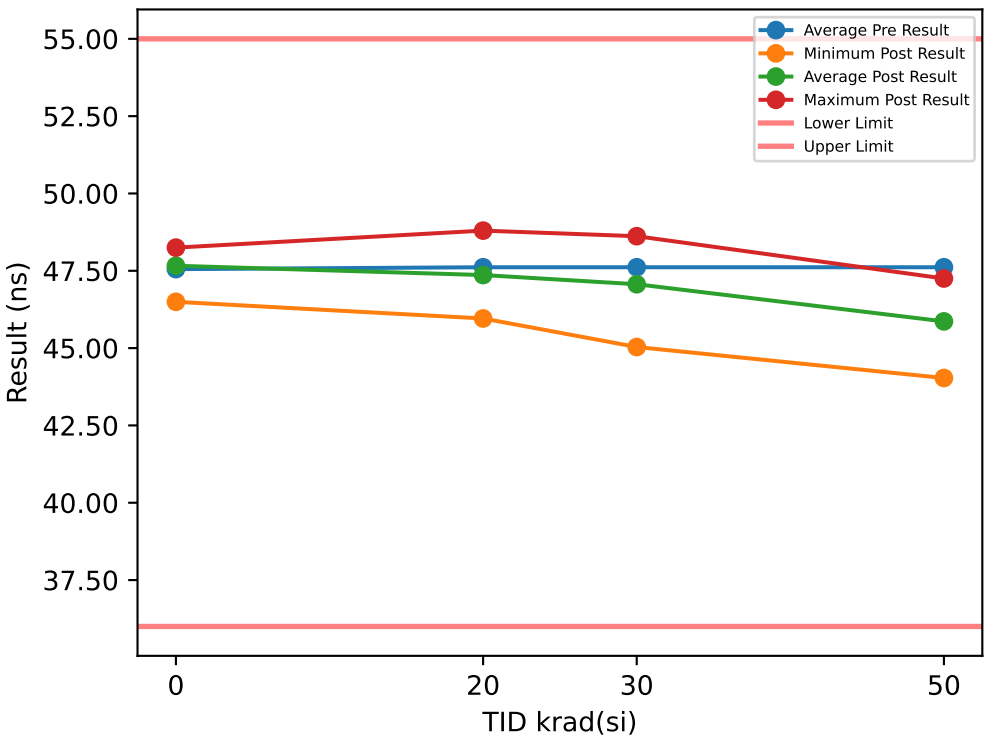
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
41	0	CORRELATION	30.284	30.612	0.3289
42	0	CORRELATION	30.377	30.404	0.0265
43	0	CORRELATION	33.522	32.836	-0.686
45	0	CORRELATION	30.105	30.082	-0.0233
71	20	LDR BIAS	31.699	30.892	-0.8064
72	20	LDR BIAS	30.96	30.455	-0.5052
73	20	LDR BIAS	31.188	30.658	-0.5303
74	20	LDR BIAS	32.188	31.897	-0.2901
75	20	LDR BIAS	31.278	31.051	-0.227
76	20	LDR UNBIAS	30.81	30.398	-0.4116
77	20	LDR UNBIAS	31.684	30.58	-1.1037
78	20	LDR UNBIAS	32.328	31.71	-0.6186
79	20	LDR UNBIAS	30.021	29.792	-0.2291
80	20	LDR UNBIAS	31.217	30.871	-0.346
81	30	LDR BIAS	31.699	31.695	-0.0042
82	30	LDR BIAS	30.96	30.436	-0.5241
83	30	LDR BIAS	31.188	30.344	-0.8442
84	30	LDR BIAS	32.188	31.643	-0.5446
85	30	LDR BIAS	31.278	30.814	-0.4644
86	30	LDR UNBIAS	30.81	30.262	-0.5477
87	30	LDR UNBIAS	31.684	30.822	-0.8614
88	30	LDR UNBIAS	32.328	31.706	-0.6219
89	30	LDR UNBIAS	30.021	29.768	-0.2534
90	30	LDR UNBIAS	31.217	30.781	-0.4359
91	50	LDR BIAS	31.699	29.862	-1.837
92	50	LDR BIAS	30.96	29.3	-1.6601
93	50	LDR BIAS	31.188	29.263	-1.9252
94	50	LDR BIAS	32.188	30.604	-1.5833
95	50	LDR BIAS	31.278	29.391	-1.8877
96	50	LDR UNBIAS	30.81	29.187	-1.623
97	50	LDR UNBIAS	31.684	29.767	-1.9172
98	50	LDR UNBIAS	32.328	30.625	-1.7037
99	50	LDR UNBIAS	30.021	28.42	-1.6012
100	50	LDR UNBIAS	31.217	29.853	-1.3637

Test Statistics (ns)

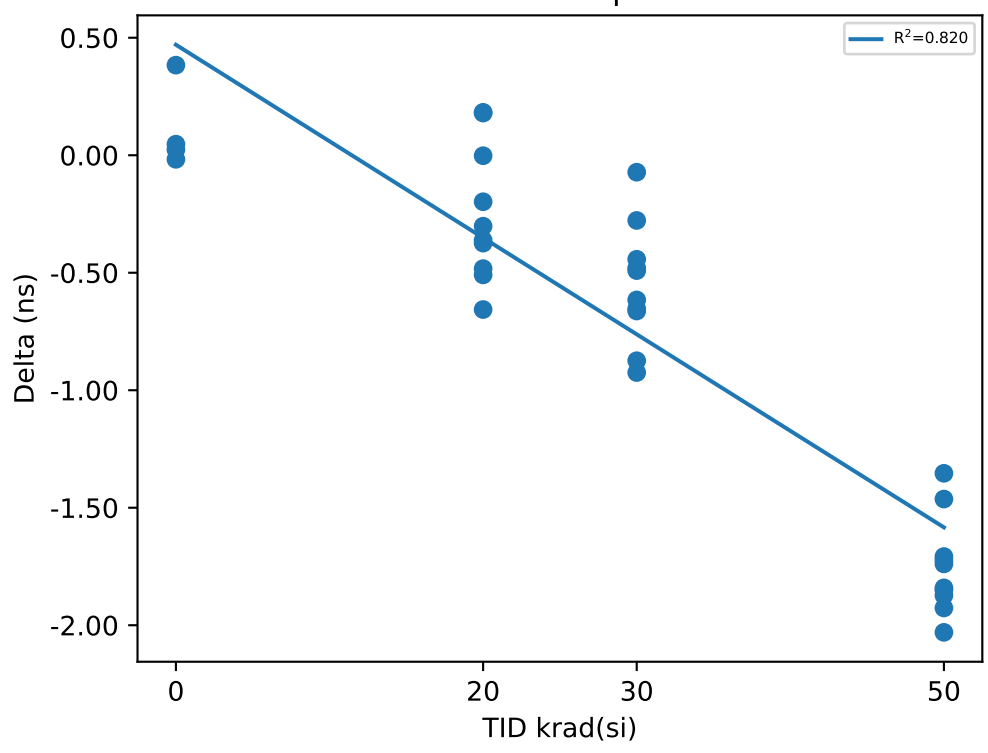
krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	30.105	31.072	33.522	1.6374	30.082	30.984	32.836	1.2543	-0.686	-0.088475	0.3289	0.42767
20	30.021	31.337	32.328	0.6789	29.792	30.831	31.897	0.62039	-1.1037	-0.5068	-0.227	0.27817
30	30.021	31.337	32.328	0.6789	29.768	30.827	31.706	0.66839	-0.8614	-0.51018	-0.0042	0.25381
50	30.021	31.337	32.328	0.6789	28.42	29.627	30.625	0.66846	-1.9252	-1.7102	-1.3637	0.181

Device Test: 19.18 PWM|DEADTIME/GATE/14/14///0MHz/@T_RHL

TID vs Result Stats



TID vs Post - Pre Exposure Delta



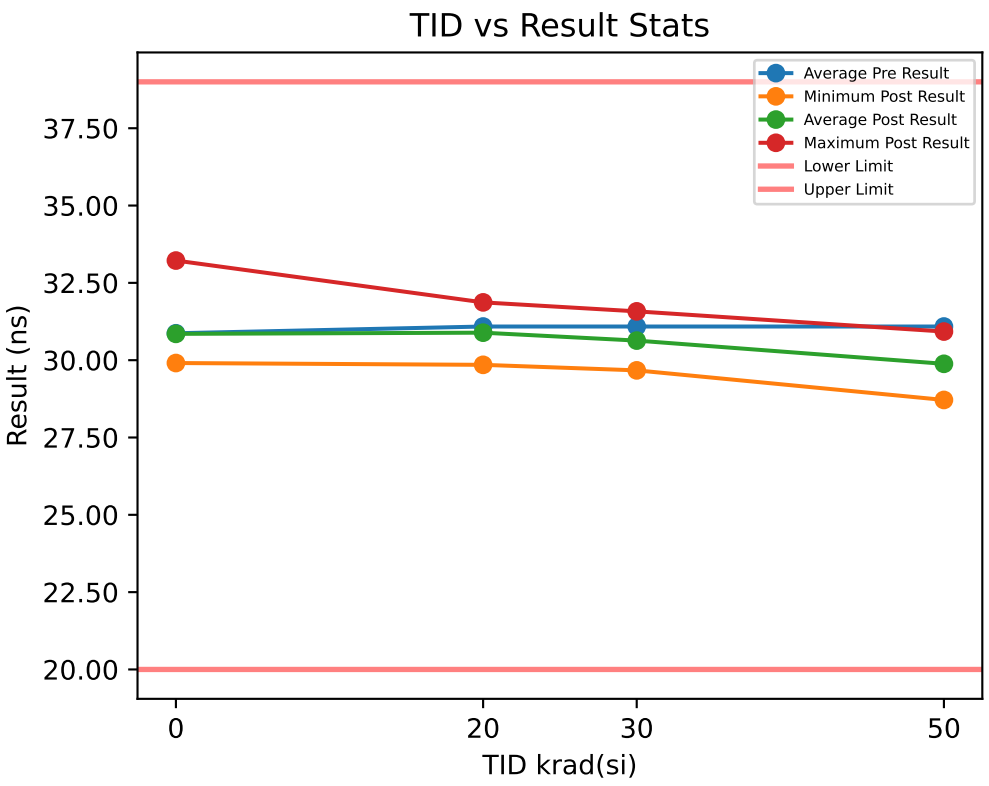
Test Results (Lower Limit = 36.0, Upper Limit = 55.0 (ns))

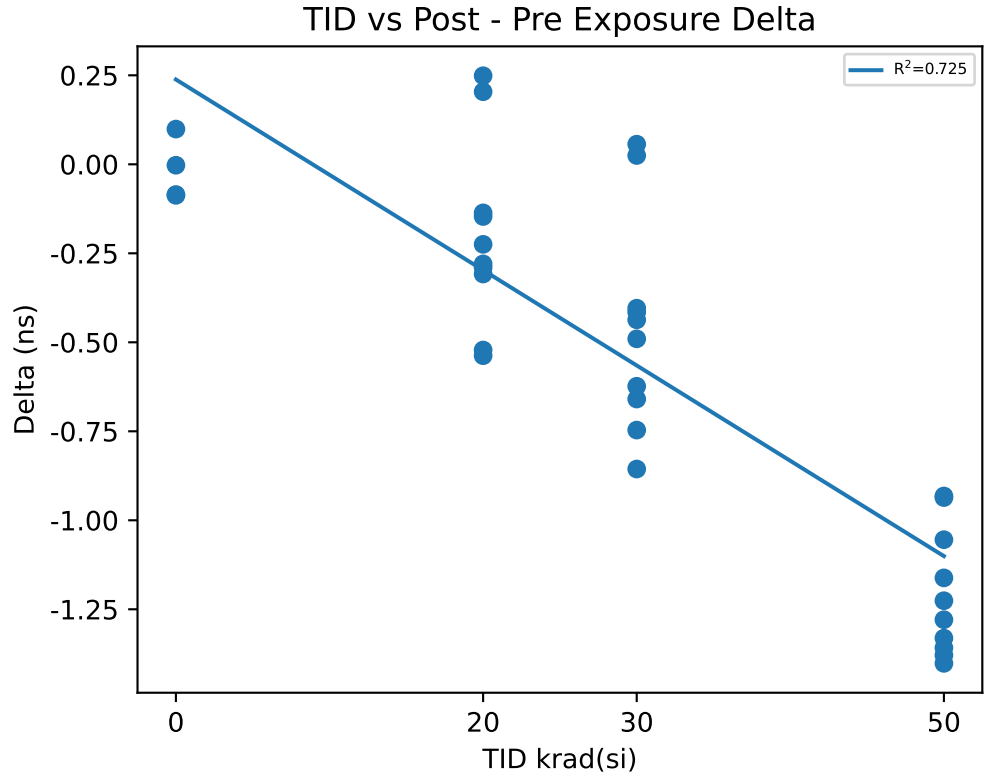
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
41	0	CORRELATION	46.45	46.497	0.0471
42	0	CORRELATION	48.267	48.249	-0.0173
43	0	CORRELATION	47.409	47.792	0.3834
45	0	CORRELATION	48.092	48.115	0.0237
71	20	LDR BIAS	45.96	45.958	-0.002
72	20	LDR BIAS	48.392	48.019	-0.374
73	20	LDR BIAS	47.816	47.998	0.1826
74	20	LDR BIAS	48.155	47.499	-0.6566
75	20	LDR BIAS	47.549	47.04	-0.5091
76	20	LDR UNBIAS	49.282	48.799	-0.4825
77	20	LDR UNBIAS	47.551	47.249	-0.3019
78	20	LDR UNBIAS	47.095	46.897	-0.1979
79	20	LDR UNBIAS	47.033	47.213	0.1795
80	20	LDR UNBIAS	47.313	46.952	-0.3612
81	30	LDR BIAS	45.96	45.035	-0.9247
82	30	LDR BIAS	48.392	47.912	-0.4804
83	30	LDR BIAS	47.816	46.941	-0.8744
84	30	LDR BIAS	48.155	47.54	-0.6157
85	30	LDR BIAS	47.549	47.058	-0.4909
86	30	LDR UNBIAS	49.282	48.619	-0.6629
87	30	LDR UNBIAS	47.551	47.273	-0.2775
88	30	LDR UNBIAS	47.095	46.652	-0.4427
89	30	LDR UNBIAS	47.033	46.961	-0.0722
90	30	LDR UNBIAS	47.313	46.66	-0.6531
91	50	LDR BIAS	45.96	44.034	-1.9265
92	50	LDR BIAS	48.392	46.67	-1.7227
93	50	LDR BIAS	47.816	46.353	-1.463
94	50	LDR BIAS	48.155	46.416	-1.739
95	50	LDR BIAS	47.549	45.676	-1.873
96	50	LDR UNBIAS	49.282	47.251	-2.0303
97	50	LDR UNBIAS	47.551	45.701	-1.8498
98	50	LDR UNBIAS	47.095	45.387	-1.7077
99	50	LDR UNBIAS	47.033	45.68	-1.3535
100	50	LDR UNBIAS	47.313	45.472	-1.841

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	46.45	47.554	48.267	0.82413	46.497	47.663	48.249	0.8011	-0.0173	0.10923	0.3834	0.18471
20	45.96	47.615	49.282	0.89202	45.958	47.362	48.799	0.77559	-0.6566	-0.25231	0.1826	0.2892
30	45.96	47.615	49.282	0.89202	45.035	47.065	48.619	0.93572	-0.9247	-0.54945	-0.0722	0.25728
50	45.96	47.615	49.282	0.89202	44.034	45.864	47.251	0.87844	-2.0303	-1.7507	-1.3535	0.20691

Device Test: 19.19 PWM|DEADTIME/GATE/14/14///0.5MHz/@T_RLH





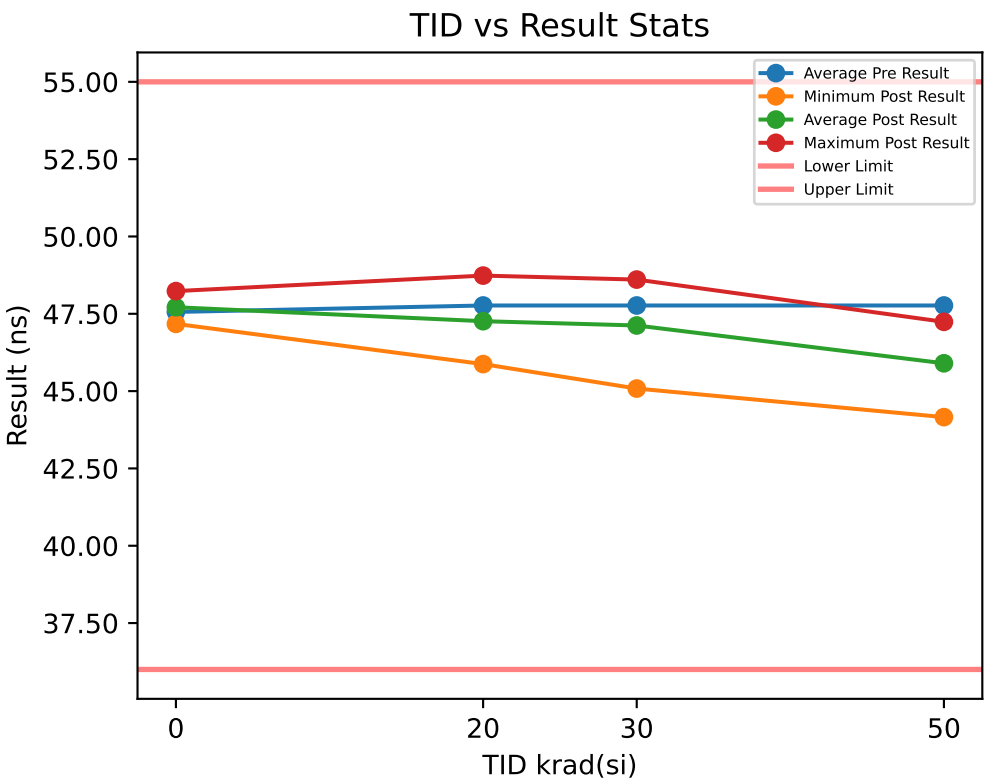
Test Results (Lower Limit = 20.0, Upper Limit = 39.0 (ns))

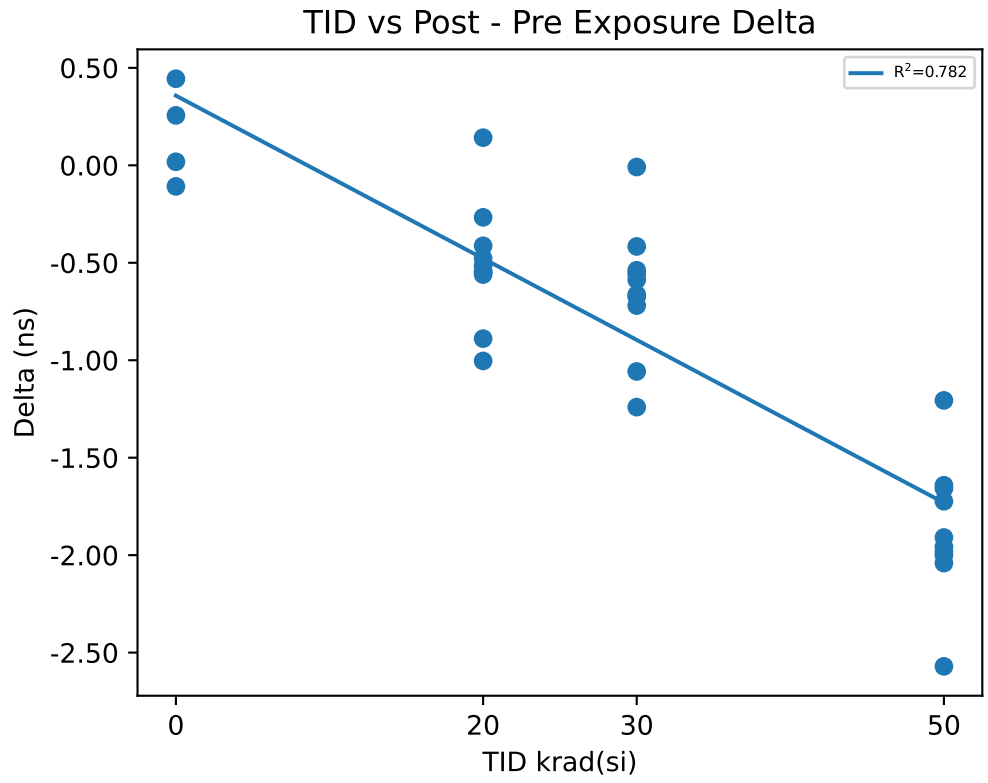
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
41	0	CORRELATION	29.91	29.908	-0.0026
42	0	CORRELATION	30.245	30.344	0.099
43	0	CORRELATION	33.306	33.221	-0.0849
45	0	CORRELATION	30.018	29.931	-0.0872
71	20	LDR BIAS	31.071	31.32	0.2488
72	20	LDR BIAS	30.756	30.465	-0.2901
73	20	LDR BIAS	30.902	30.765	-0.1364
74	20	LDR BIAS	32.016	31.869	-0.1466
75	20	LDR BIAS	30.967	30.742	-0.2249
76	20	LDR UNBIAS	30.739	30.201	-0.5376
77	20	LDR UNBIAS	31.328	31.048	-0.2797
78	20	LDR UNBIAS	32.305	31.783	-0.5217
79	20	LDR UNBIAS	29.646	29.85	0.2039
80	20	LDR UNBIAS	31.158	30.85	-0.3082
81	30	LDR BIAS	31.071	31.127	0.0565
82	30	LDR BIAS	30.756	30.34	-0.4156
83	30	LDR BIAS	30.902	30.412	-0.4903
84	30	LDR BIAS	32.016	31.579	-0.4368
85	30	LDR BIAS	30.967	30.111	-0.856
86	30	LDR UNBIAS	30.739	30.115	-0.6235
87	30	LDR UNBIAS	31.328	30.668	-0.6594
88	30	LDR UNBIAS	32.305	31.558	-0.7466
89	30	LDR UNBIAS	29.646	29.671	0.0248
90	30	LDR UNBIAS	31.158	30.754	-0.4042
91	50	LDR BIAS	31.071	30.134	-0.9362
92	50	LDR BIAS	30.756	29.53	-1.2259
93	50	LDR BIAS	30.902	29.5	-1.4019
94	50	LDR BIAS	32.016	30.854	-1.1618
95	50	LDR BIAS	30.967	29.636	-1.3311
96	50	LDR UNBIAS	30.739	29.459	-1.2793
97	50	LDR UNBIAS	31.328	29.97	-1.3581
98	50	LDR UNBIAS	32.305	30.926	-1.379
99	50	LDR UNBIAS	29.646	28.714	-0.9317
100	50	LDR UNBIAS	31.158	30.103	-1.0545

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	29.91	30.87	33.306	1.6302	29.908	30.851	33.221	1.5929	-0.0872	-0.018925	0.099	0.087915
20	29.646	31.089	32.305	0.72769	29.85	30.889	31.869	0.6448	-0.5376	-0.19925	0.2488	0.26156
30	29.646	31.089	32.305	0.72769	29.671	30.633	31.579	0.63357	-0.856	-0.45511	0.0565	0.30066
50	29.646	31.089	32.305	0.72769	28.714	29.883	30.926	0.669	-1.4019	-1.206	-0.9317	0.1782

Device Test: 19.2 PWM|DEADTIME/GATE/10/8///0MHz/@T_RHL





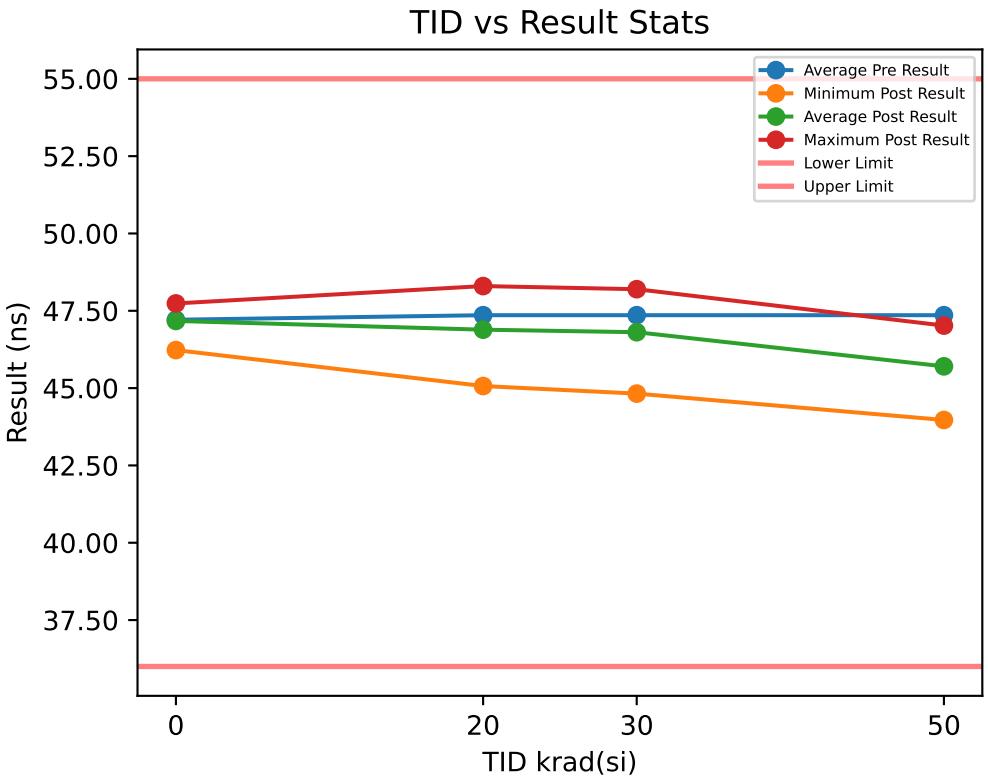
Test Results (Lower Limit = 36.0, Upper Limit = 55.0 (ns))

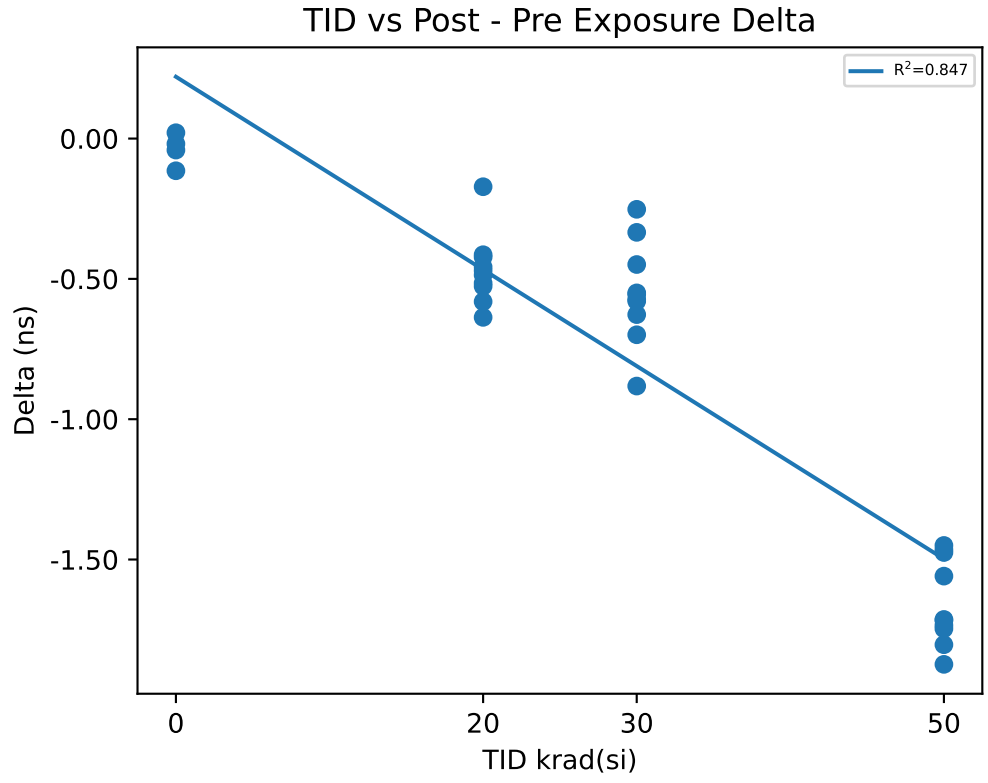
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
41	0	CORRELATION	46.73	47.174	0.4442
42	0	CORRELATION	48.216	48.234	0.0181
43	0	CORRELATION	47.206	47.462	0.2562
45	0	CORRELATION	48.088	47.98	-0.1082
71	20	LDR BIAS	46.14	45.873	-0.267
72	20	LDR BIAS	48.426	47.948	-0.4778
73	20	LDR BIAS	47.589	47.731	0.1419
74	20	LDR BIAS	48.173	47.658	-0.5148
75	20	LDR BIAS	47.657	47.109	-0.5473
76	20	LDR UNBIAS	49.281	48.735	-0.5455
77	20	LDR UNBIAS	48.305	47.302	-1.0037
78	20	LDR UNBIAS	47.13	46.717	-0.413
79	20	LDR UNBIAS	47.613	46.724	-0.8892
80	20	LDR UNBIAS	47.37	46.809	-0.5605
81	30	LDR BIAS	46.14	45.083	-1.0576
82	30	LDR BIAS	48.426	47.87	-0.5566
83	30	LDR BIAS	47.589	47.581	-0.0087
84	30	LDR BIAS	48.173	47.635	-0.5383
85	30	LDR BIAS	47.657	47.07	-0.5871
86	30	LDR UNBIAS	49.281	48.607	-0.6742
87	30	LDR UNBIAS	48.305	47.065	-1.2406
88	30	LDR UNBIAS	47.13	46.713	-0.4163
89	30	LDR UNBIAS	47.613	46.893	-0.7197
90	30	LDR UNBIAS	47.37	46.706	-0.6634
91	50	LDR BIAS	46.14	44.159	-1.9817
92	50	LDR BIAS	48.426	46.768	-1.658
93	50	LDR BIAS	47.589	46.383	-1.206
94	50	LDR BIAS	48.173	46.45	-1.7236
95	50	LDR BIAS	47.657	45.747	-1.9094
96	50	LDR UNBIAS	49.281	47.24	-2.0409
97	50	LDR UNBIAS	48.305	45.735	-2.5706
98	50	LDR UNBIAS	47.13	45.488	-1.6413
99	50	LDR UNBIAS	47.613	45.655	-1.9575
100	50	LDR UNBIAS	47.37	45.37	-2.0003

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	46.73	47.56	48.216	0.7125	47.174	47.712	48.234	0.48155	-0.1082	0.15258	0.4442	0.24622
20	46.14	47.768	49.281	0.84709	45.873	47.261	48.735	0.80028	-1.0037	-0.50769	0.1419	0.31397
30	46.14	47.768	49.281	0.84709	45.083	47.122	48.607	0.9305	-1.2406	-0.64625	-0.0087	0.33524
50	46.14	47.768	49.281	0.84709	44.159	45.899	47.24	0.86138	-2.5706	-1.8689	-1.206	0.3525

Device Test: 19.20 PWM|DEADTIME/GATE/14/14///0.5MHz/@T_RHL





Test Results (Lower Limit = 36.0, Upper Limit = 55.0 (ns))

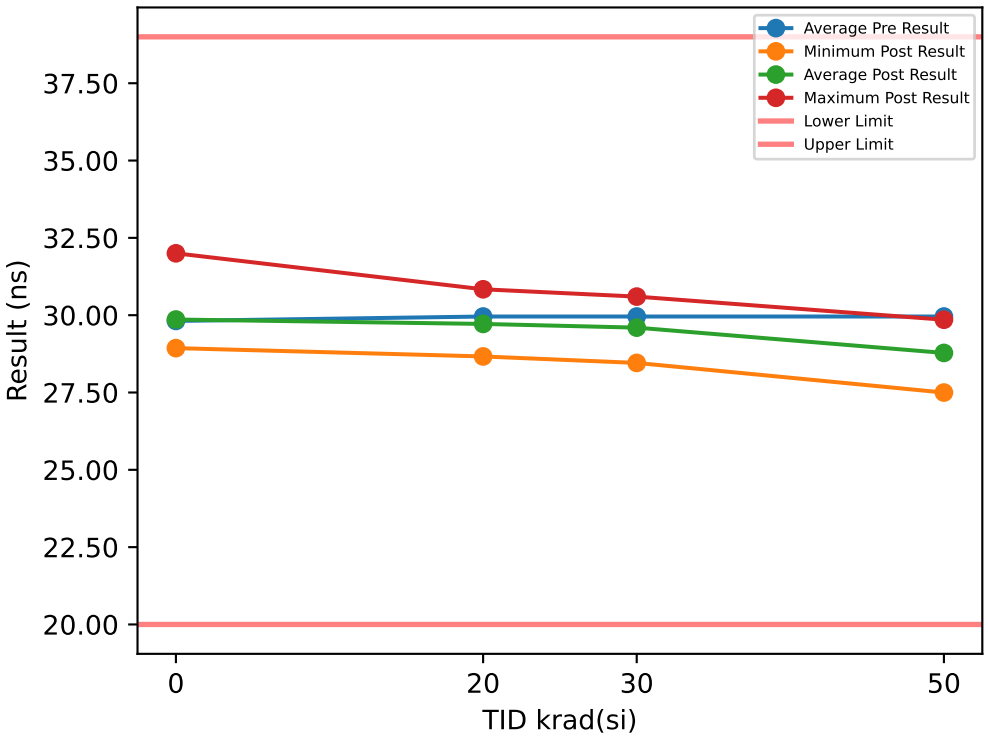
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
41	0	CORRELATION	46.208	46.229	0.0208
42	0	CORRELATION	47.779	47.738	-0.041
43	0	CORRELATION	47.249	47.135	-0.1147
45	0	CORRELATION	47.605	47.586	-0.0187
71	20	LDR BIAS	45.704	45.067	-0.6371
72	20	LDR BIAS	48.055	47.584	-0.4708
73	20	LDR BIAS	47.822	47.307	-0.515
74	20	LDR BIAS	47.706	47.125	-0.581
75	20	LDR BIAS	47.293	46.807	-0.4862
76	20	LDR UNBIAS	48.825	48.299	-0.5262
77	20	LDR UNBIAS	47.495	47.081	-0.4139
78	20	LDR UNBIAS	46.752	46.329	-0.4226
79	20	LDR UNBIAS	47.131	46.96	-0.1716
80	20	LDR UNBIAS	46.791	46.334	-0.4575
81	30	LDR BIAS	45.704	44.822	-0.8819
82	30	LDR BIAS	48.055	47.501	-0.5548
83	30	LDR BIAS	47.822	47.488	-0.3342
84	30	LDR BIAS	47.706	47.133	-0.573
85	30	LDR BIAS	47.293	46.844	-0.4488
86	30	LDR UNBIAS	48.825	48.198	-0.6273
87	30	LDR UNBIAS	47.495	47.243	-0.2521
88	30	LDR UNBIAS	46.752	46.202	-0.5499
89	30	LDR UNBIAS	47.131	46.432	-0.6991
90	30	LDR UNBIAS	46.791	46.212	-0.5793
91	50	LDR BIAS	45.704	43.97	-1.7346
92	50	LDR BIAS	48.055	46.58	-1.475
93	50	LDR BIAS	47.822	46.076	-1.7465
94	50	LDR BIAS	47.706	46.256	-1.4499
95	50	LDR BIAS	47.293	45.577	-1.7167
96	50	LDR UNBIAS	48.825	47.022	-1.8036
97	50	LDR UNBIAS	47.495	45.621	-1.8736
98	50	LDR UNBIAS	46.752	45.287	-1.4648
99	50	LDR UNBIAS	47.131	45.418	-1.7136
100	50	LDR UNBIAS	46.791	45.232	-1.5592

Test Statistics (ns)

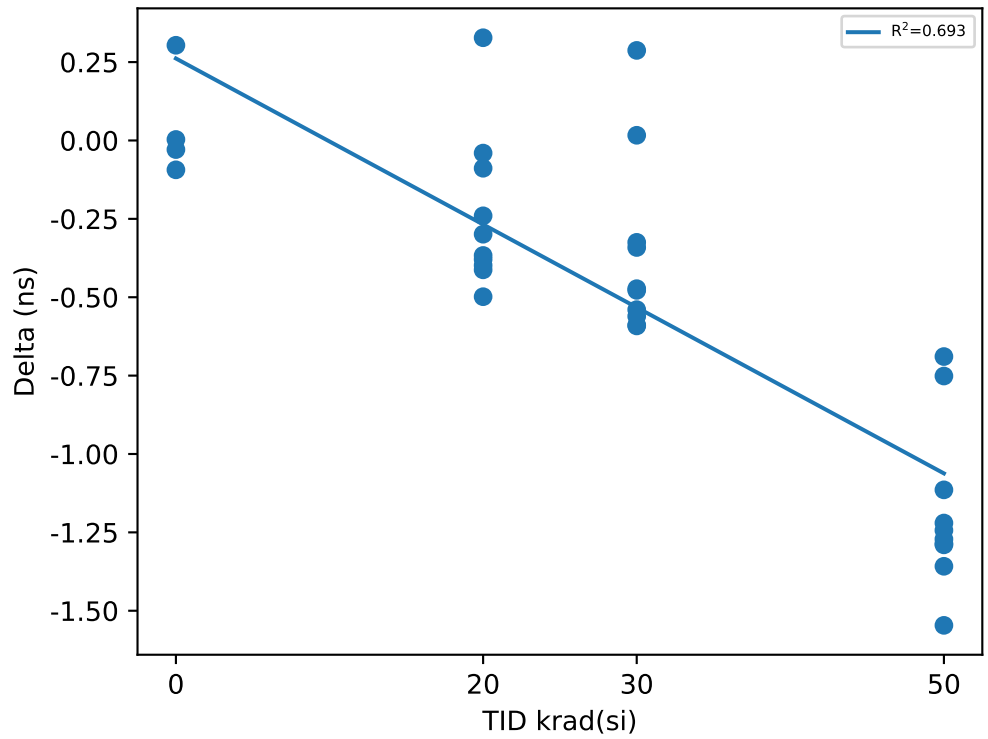
krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	46.208	47.21	47.779	0.70337	46.229	47.172	47.738	0.67869	-0.1147	-0.0384	0.0208	0.056924
20	45.704	47.358	48.825	0.84815	45.067	46.889	48.299	0.86233	-0.6371	-0.46819	-0.1716	0.12483
30	45.704	47.358	48.825	0.84815	44.822	46.808	48.198	0.94147	-0.8819	-0.55004	-0.2521	0.17805
50	45.704	47.358	48.825	0.84815	43.97	45.704	47.022	0.84705	-1.8736	-1.6537	-1.4499	0.15334

Device Test: 19.21 PWM|DEADTIME/GATE/14/14///1MHz/@T_RLH

TID vs Result Stats



TID vs Post - Pre Exposure Delta



Test Results (Lower Limit = 20.0, Upper Limit = 39.0 (ns))

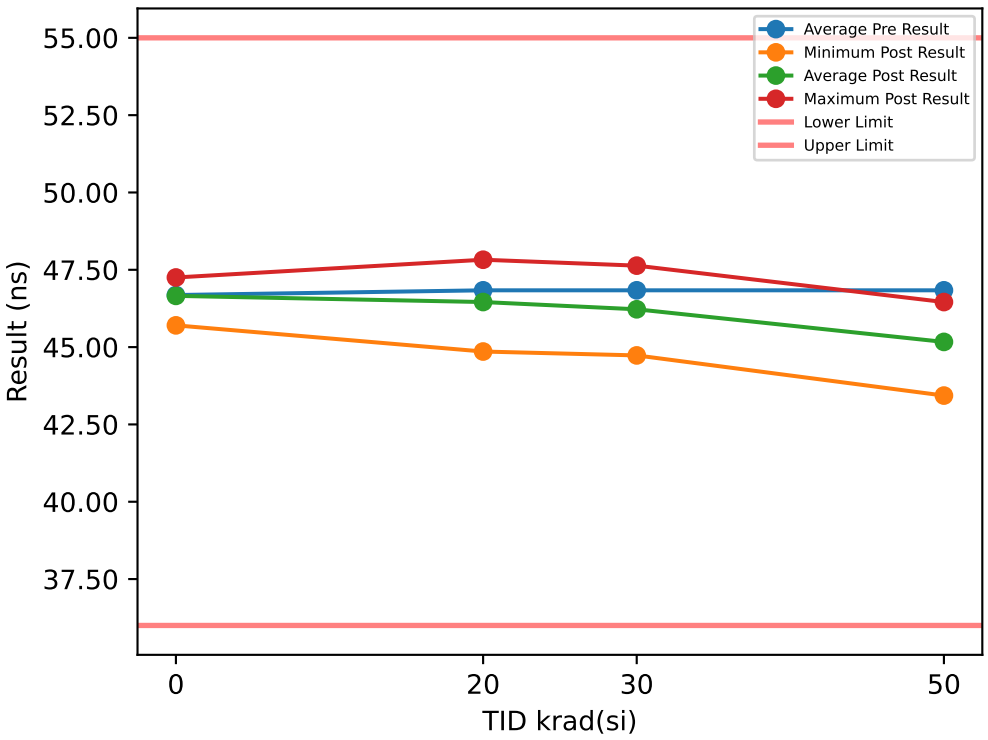
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
41	0	CORRELATION	29.019	29.323	0.3037
42	0	CORRELATION	29.178	29.181	0.0032
43	0	CORRELATION	32.094	32.001	-0.0936
45	0	CORRELATION	28.964	28.935	-0.029
71	20	LDR BIAS	30.341	30.101	-0.2403
72	20	LDR BIAS	29.721	29.323	-0.3983
73	20	LDR BIAS	29.249	29.208	-0.0402
74	20	LDR BIAS	30.926	30.837	-0.0886
75	20	LDR BIAS	29.804	29.505	-0.299
76	20	LDR UNBIAS	29.599	29.101	-0.4983
77	20	LDR UNBIAS	29.527	29.855	0.3277
78	20	LDR UNBIAS	31.143	30.776	-0.3668
79	20	LDR UNBIAS	29.045	28.666	-0.3792
80	20	LDR UNBIAS	30.212	29.799	-0.4126
81	30	LDR BIAS	30.341	30	-0.3413
82	30	LDR BIAS	29.721	29.243	-0.4781
83	30	LDR BIAS	29.249	29.265	0.0166
84	30	LDR BIAS	30.926	30.601	-0.3249
85	30	LDR BIAS	29.804	29.265	-0.5396
86	30	LDR UNBIAS	29.599	29.127	-0.4727
87	30	LDR UNBIAS	29.527	29.814	0.2873
88	30	LDR UNBIAS	31.143	30.552	-0.5915
89	30	LDR UNBIAS	29.045	28.456	-0.5887
90	30	LDR UNBIAS	30.212	29.651	-0.5608
91	50	LDR BIAS	30.341	29.055	-1.286
92	50	LDR BIAS	29.721	28.45	-1.2716
93	50	LDR BIAS	29.249	28.497	-0.7513
94	50	LDR BIAS	30.926	29.811	-1.1144
95	50	LDR BIAS	29.804	28.446	-1.3582
96	50	LDR UNBIAS	29.599	28.356	-1.2435
97	50	LDR UNBIAS	29.527	28.838	-0.6892
98	50	LDR UNBIAS	31.143	29.853	-1.2898
99	50	LDR UNBIAS	29.045	27.498	-1.5466
100	50	LDR UNBIAS	30.212	28.992	-1.2202

Test Statistics (ns)

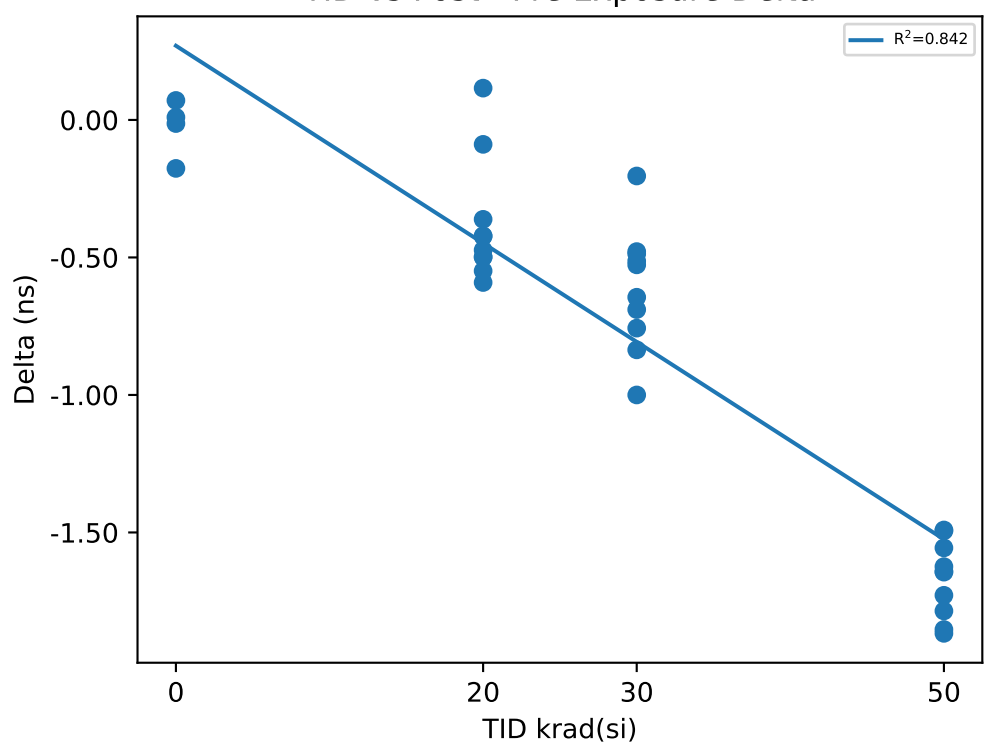
krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	28.964	29.814	32.094	1.5229	28.935	29.86	32.001	1.4361	-0.0936	0.046075	0.3037	0.1764
20	29.045	29.957	31.143	0.68991	28.666	29.717	30.837	0.70662	-0.4983	-0.23956	0.3277	0.24622
30	29.045	29.957	31.143	0.68991	28.456	29.597	30.601	0.66668	-0.5915	-0.35937	0.2873	0.29203
50	29.045	29.957	31.143	0.68991	27.498	28.78	29.853	0.7042	-1.5466	-1.1771	-0.6892	0.26507

Device Test: 19.22 PWM|DEADTIME/GATE/14/14///1MHz/@T_RHL

TID vs Result Stats



TID vs Post - Pre Exposure Delta



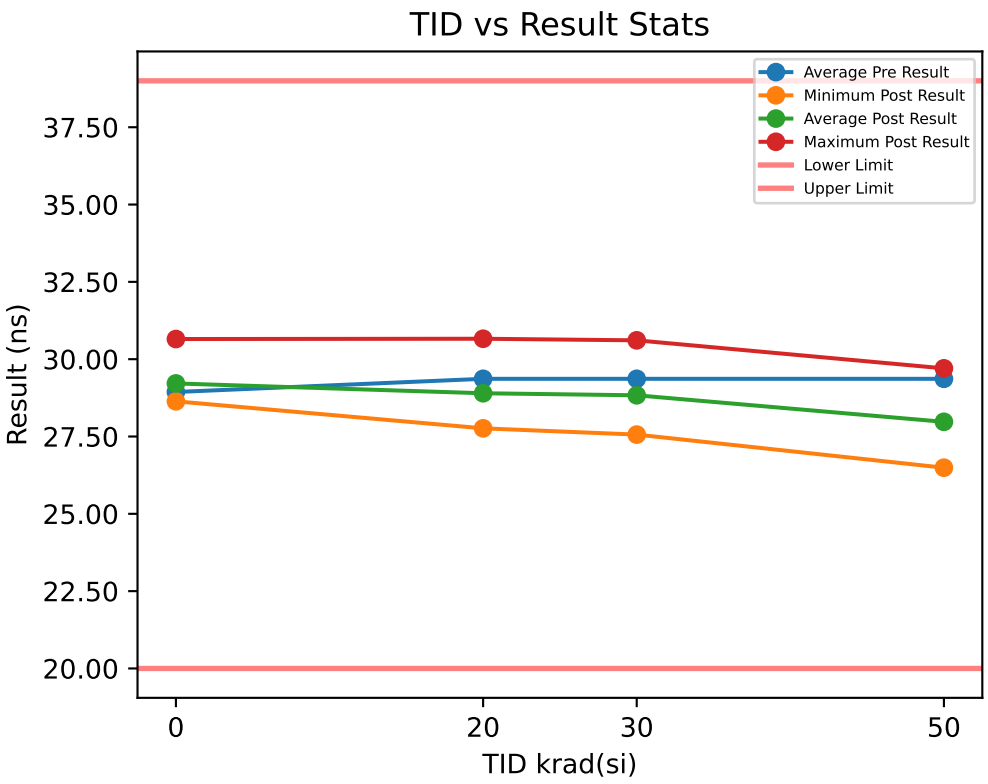
Test Results (Lower Limit = 36.0, Upper Limit = 55.0 (ns))

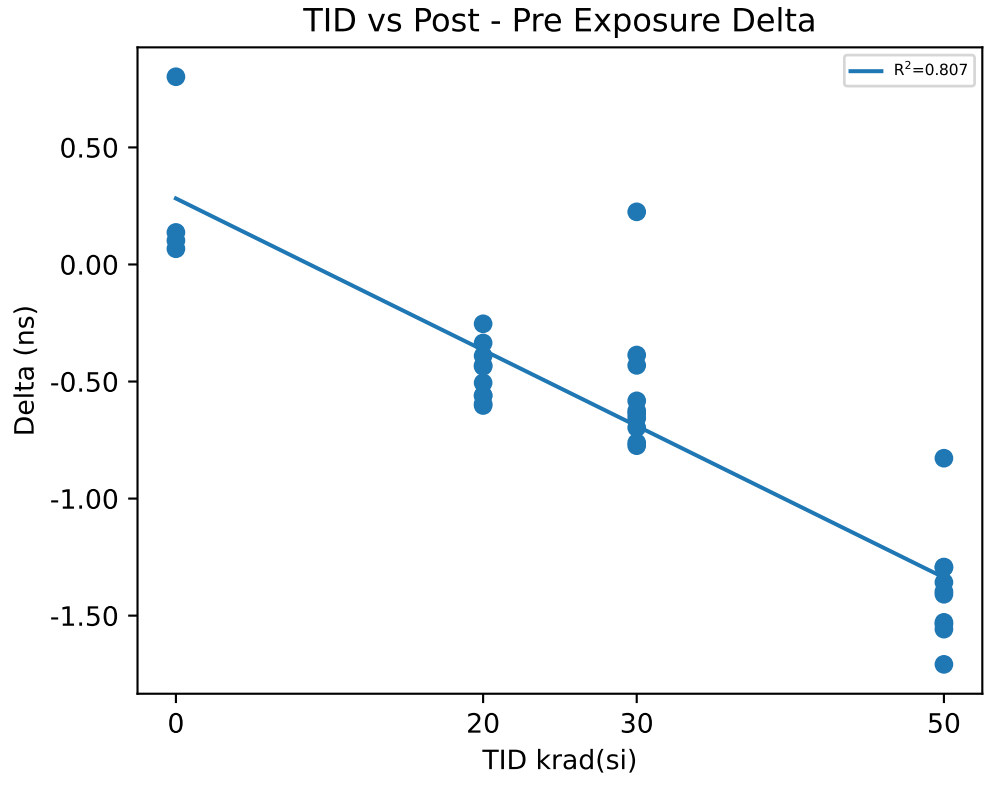
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
41	0	CORRELATION	45.88	45.703	-0.1762
42	0	CORRELATION	47.242	47.251	0.0096
43	0	CORRELATION	46.519	46.506	-0.0131
45	0	CORRELATION	47.095	47.166	0.0709
71	20	LDR BIAS	45.219	44.857	-0.3614
72	20	LDR BIAS	47.558	47.085	-0.4731
73	20	LDR BIAS	47.169	46.746	-0.423
74	20	LDR BIAS	47.246	46.655	-0.5911
75	20	LDR BIAS	46.645	46.096	-0.549
76	20	LDR UNBIAS	48.324	47.825	-0.4984
77	20	LDR UNBIAS	46.989	47.104	0.1157
78	20	LDR UNBIAS	46.26	45.838	-0.4216
79	20	LDR UNBIAS	46.591	46.502	-0.0888
80	20	LDR UNBIAS	46.365	45.866	-0.4985
81	30	LDR BIAS	45.219	44.732	-0.487
82	30	LDR BIAS	47.558	47.031	-0.5269
83	30	LDR BIAS	47.169	46.333	-0.836
84	30	LDR BIAS	47.246	46.601	-0.6447
85	30	LDR BIAS	46.645	45.888	-0.757
86	30	LDR UNBIAS	48.324	47.634	-0.6895
87	30	LDR UNBIAS	46.989	45.989	-1
88	30	LDR UNBIAS	46.26	45.781	-0.4787
89	30	LDR UNBIAS	46.591	46.387	-0.2038
90	30	LDR UNBIAS	46.365	45.852	-0.5131
91	50	LDR BIAS	45.219	43.433	-1.7854
92	50	LDR BIAS	47.558	46.064	-1.4941
93	50	LDR BIAS	47.169	45.525	-1.6443
94	50	LDR BIAS	47.246	45.69	-1.5561
95	50	LDR BIAS	46.645	45.021	-1.6243
96	50	LDR UNBIAS	48.324	46.457	-1.8669
97	50	LDR UNBIAS	46.989	45.136	-1.8529
98	50	LDR UNBIAS	46.26	44.769	-1.491
99	50	LDR UNBIAS	46.591	44.863	-1.7285
100	50	LDR UNBIAS	46.365	44.723	-1.6417

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	45.88	46.684	47.242	0.62028	45.703	46.657	47.251	0.71749	-0.1762	-0.0272	0.0709	0.10548
20	45.219	46.837	48.324	0.83698	44.857	46.458	47.825	0.83222	-0.5911	-0.37892	0.1157	0.22218
30	45.219	46.837	48.324	0.83698	44.732	46.223	47.634	0.78545	-1	-0.61367	-0.2038	0.22257
50	45.219	46.837	48.324	0.83698	43.433	45.168	46.457	0.83981	-1.8669	-1.6685	-1.491	0.13681

Device Test: 19.23 PWM|DEADTIME/GATE/14/14///2MHz/@T_RLH





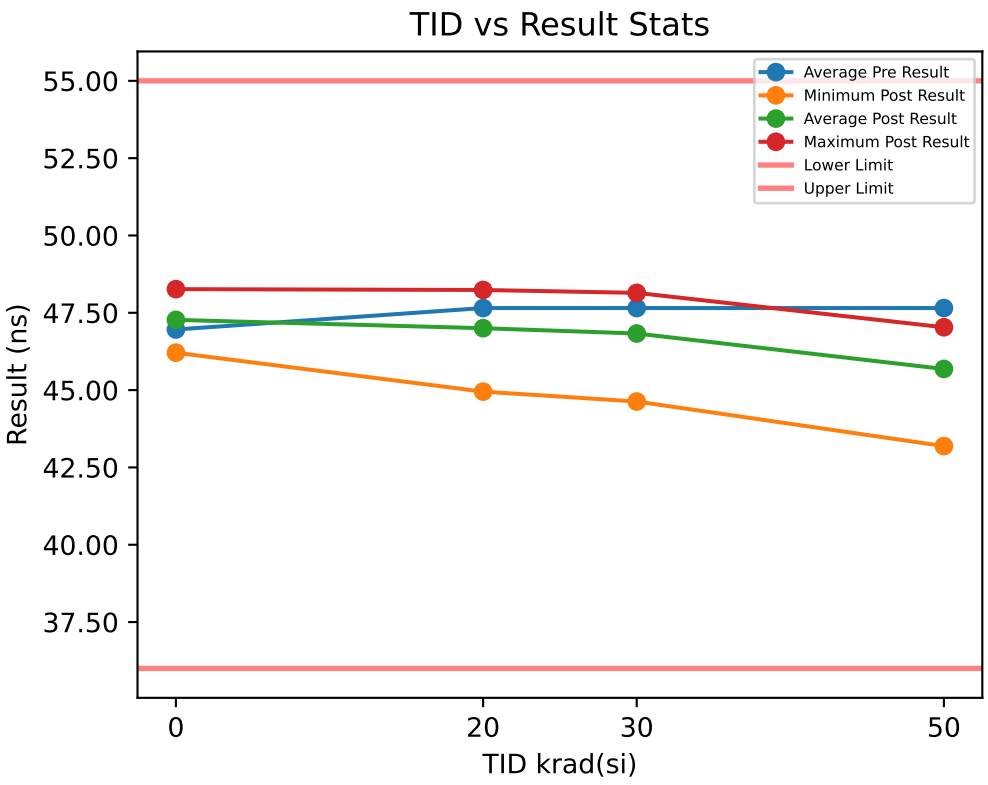
Test Results (Lower Limit = 20.0, Upper Limit = 39.0 (ns))

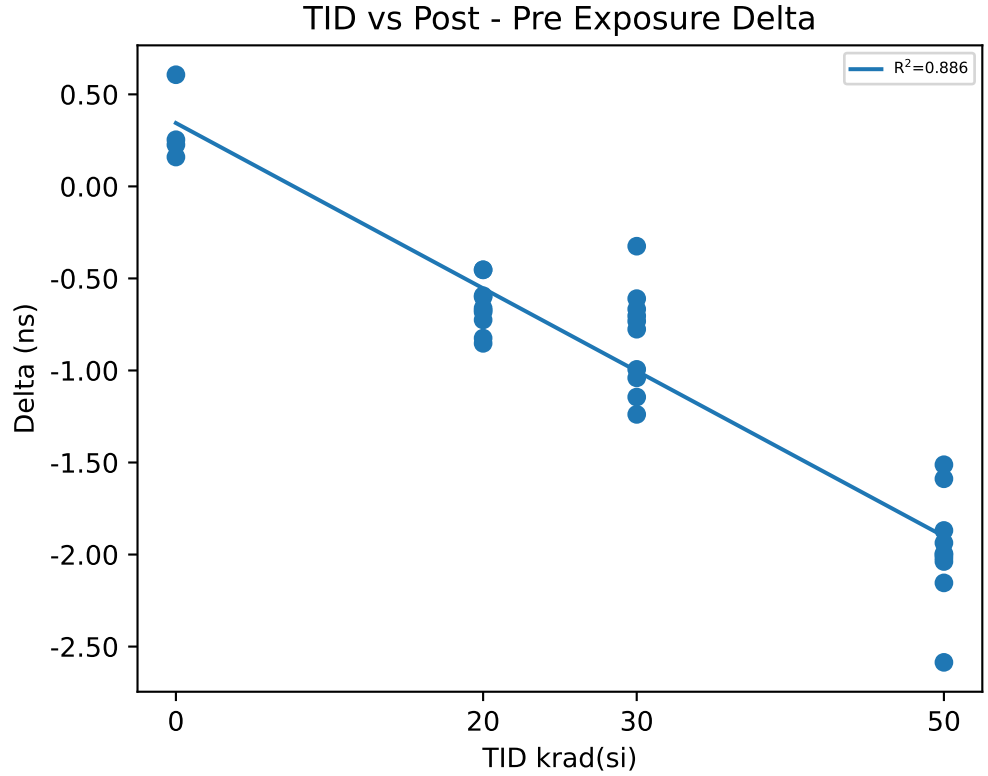
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
41	0	CORRELATION	27.992	28.794	0.8019
42	0	CORRELATION	28.5	28.637	0.1369
43	0	CORRELATION	30.585	30.652	0.0671
45	0	CORRELATION	28.678	28.78	0.1022
71	20	LDR BIAS	29.416	28.984	-0.4316
72	20	LDR BIAS	29.317	28.721	-0.5955
73	20	LDR BIAS	28.985	28.594	-0.3903
74	20	LDR BIAS	30.996	30.661	-0.3352
75	20	LDR BIAS	29.041	28.481	-0.56
76	20	LDR UNBIAS	29.097	28.494	-0.6024
77	20	LDR UNBIAS	28.79	28.537	-0.2534
78	20	LDR UNBIAS	29.775	29.269	-0.5056
79	20	LDR UNBIAS	28.199	27.764	-0.4351
80	20	LDR UNBIAS	30.037	29.477	-0.5602
81	30	LDR BIAS	29.416	28.833	-0.5825
82	30	LDR BIAS	29.317	28.692	-0.6248
83	30	LDR BIAS	28.985	28.288	-0.6968
84	30	LDR BIAS	30.996	30.609	-0.3867
85	30	LDR BIAS	29.041	28.28	-0.7613
86	30	LDR UNBIAS	29.097	28.44	-0.6567
87	30	LDR UNBIAS	28.79	29.015	0.2248
88	30	LDR UNBIAS	29.775	29.001	-0.7741
89	30	LDR UNBIAS	28.199	27.562	-0.6377
90	30	LDR UNBIAS	30.037	29.606	-0.431
91	50	LDR BIAS	29.416	27.887	-1.5286
92	50	LDR BIAS	29.317	27.959	-1.3576
93	50	LDR BIAS	28.985	27.588	-1.3969
94	50	LDR BIAS	30.996	29.704	-1.2924
95	50	LDR BIAS	29.041	27.505	-1.5369
96	50	LDR UNBIAS	29.097	27.688	-1.4087
97	50	LDR UNBIAS	28.79	27.962	-0.8275
98	50	LDR UNBIAS	29.775	28.217	-1.5577
99	50	LDR UNBIAS	28.199	26.491	-1.7081
100	50	LDR UNBIAS	30.037	28.743	-1.294

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	27.992	28.939	30.585	1.1351	28.637	29.216	30.652	0.95998	0.0671	0.27703	0.8019	0.35108
20	28.199	29.365	30.996	0.76708	27.764	28.898	30.661	0.77918	-0.6024	-0.46693	-0.2534	0.11777
30	28.199	29.365	30.996	0.76708	27.562	28.833	30.609	0.83052	-0.7741	-0.53268	0.2248	0.29445
50	28.199	29.365	30.996	0.76708	26.491	27.974	29.704	0.83666	-1.7081	-1.3908	-0.8275	0.23727

Device Test: 19.24 PWM|DEADTIME/GATE/14/14///2MHz/@T_RHL





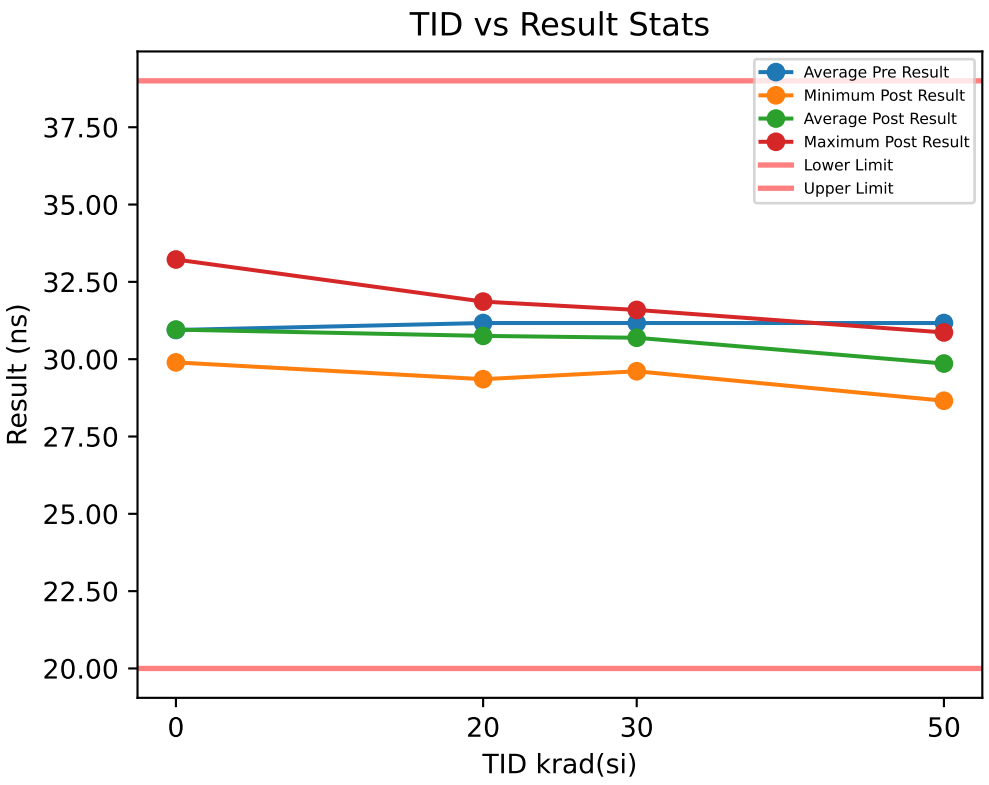
Test Results (Lower Limit = 36.0, Upper Limit = 55.0 (ns))

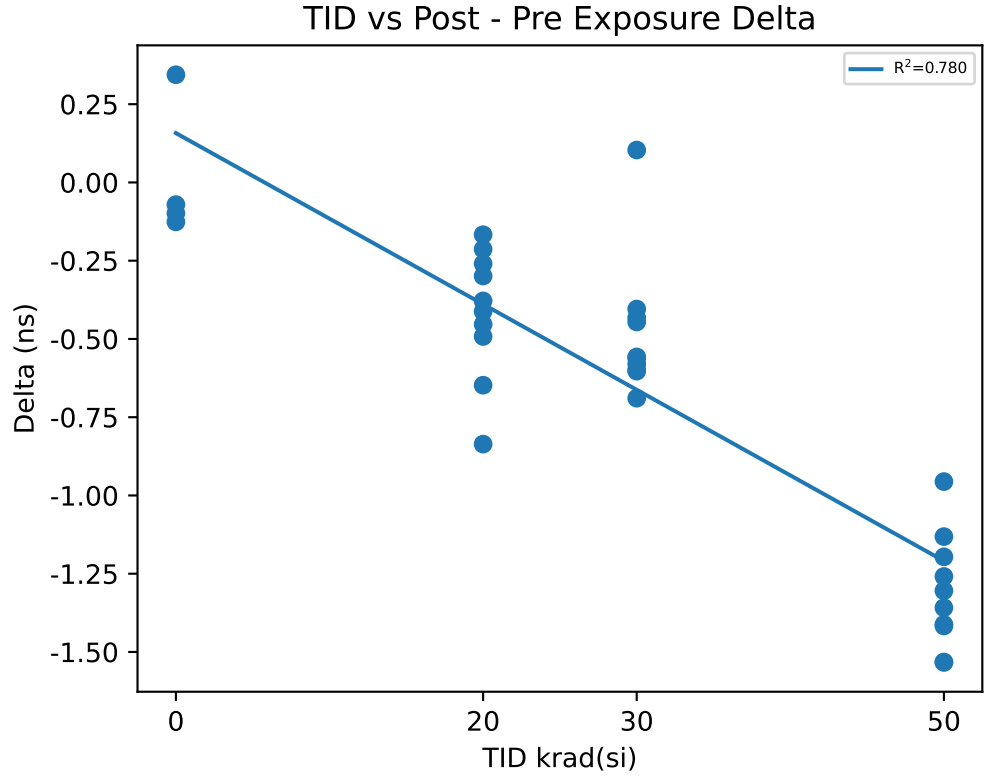
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
41	0	CORRELATION	45.838	46.444	0.6066
42	0	CORRELATION	48.006	48.166	0.1595
43	0	CORRELATION	45.983	46.21	0.2264
45	0	CORRELATION	48.011	48.265	0.2535
71	20	LDR BIAS	45.776	44.951	-0.8243
72	20	LDR BIAS	48.288	47.615	-0.673
73	20	LDR BIAS	47.736	47.282	-0.4533
74	20	LDR BIAS	48.544	47.819	-0.7253
75	20	LDR BIAS	46.964	46.111	-0.8527
76	20	LDR UNBIAS	48.92	48.238	-0.6825
77	20	LDR UNBIAS	47.443	46.782	-0.6615
78	20	LDR UNBIAS	48.648	48.048	-0.6004
79	20	LDR UNBIAS	46.792	46.198	-0.5939
80	20	LDR UNBIAS	47.424	46.971	-0.4531
81	30	LDR BIAS	45.776	44.631	-1.1444
82	30	LDR BIAS	48.288	47.556	-0.7321
83	30	LDR BIAS	47.736	46.497	-1.2387
84	30	LDR BIAS	48.544	47.877	-0.6667
85	30	LDR BIAS	46.964	45.924	-1.0401
86	30	LDR UNBIAS	48.92	48.145	-0.7759
87	30	LDR UNBIAS	47.443	46.449	-0.994
88	30	LDR UNBIAS	48.648	47.945	-0.7034
89	30	LDR UNBIAS	46.792	46.467	-0.3249
90	30	LDR UNBIAS	47.424	46.814	-0.6097
91	50	LDR BIAS	45.776	43.19	-2.5857
92	50	LDR BIAS	48.288	46.7	-1.5884
93	50	LDR BIAS	47.736	45.735	-2.0011
94	50	LDR BIAS	48.544	47.032	-1.512
95	50	LDR BIAS	46.964	44.946	-2.0178
96	50	LDR UNBIAS	48.92	46.883	-2.0378
97	50	LDR UNBIAS	47.443	45.448	-1.9952
98	50	LDR UNBIAS	48.648	46.779	-1.8691
99	50	LDR UNBIAS	46.792	44.638	-2.154
100	50	LDR UNBIAS	47.424	45.487	-1.9366

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	45.838	46.96	48.011	1.2129	46.21	47.271	48.265	1.0952	0.1595	0.3115	0.6066	0.20066
20	45.776	47.654	48.92	0.9797	44.951	47.002	48.238	1.024	-0.8527	-0.652	-0.4531	0.13412
30	45.776	47.654	48.92	0.9797	44.631	46.831	48.145	1.0872	-1.2387	-0.82299	-0.3249	0.27795
50	45.776	47.654	48.92	0.9797	43.19	45.684	47.032	1.2221	-2.5857	-1.9698	-1.512	0.29592

Device Test: 19.3 PWM|DEADTIME/GATE/10/8///0.5MHz/@T_RLH





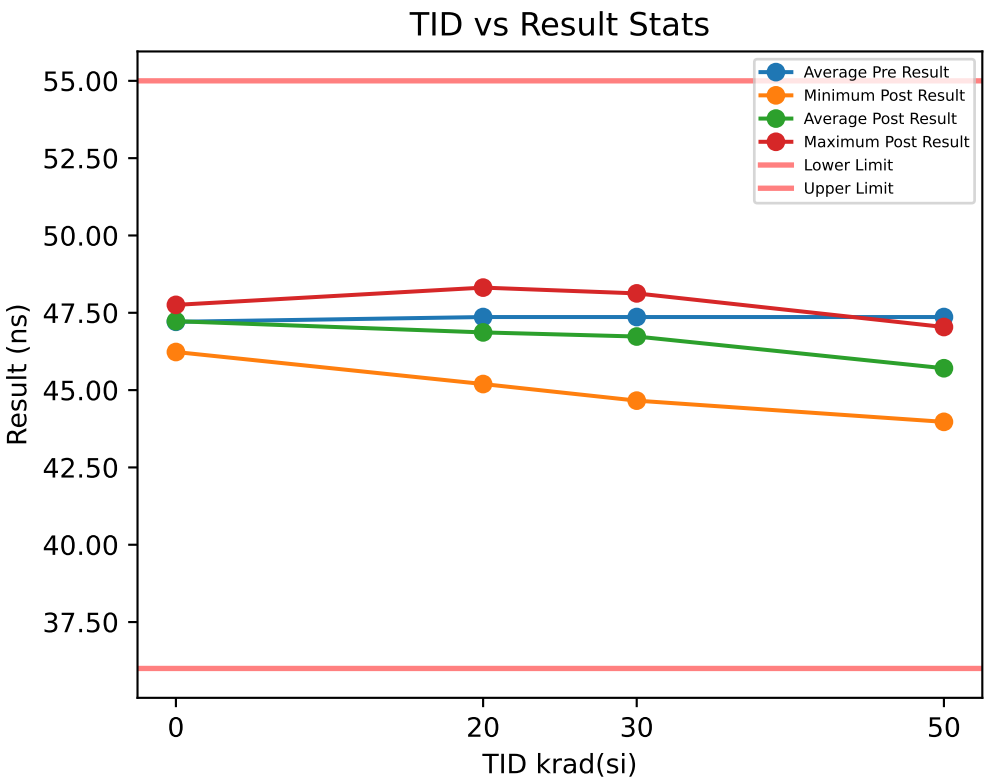
Test Results (Lower Limit = 20.0, Upper Limit = 39.0 (ns))

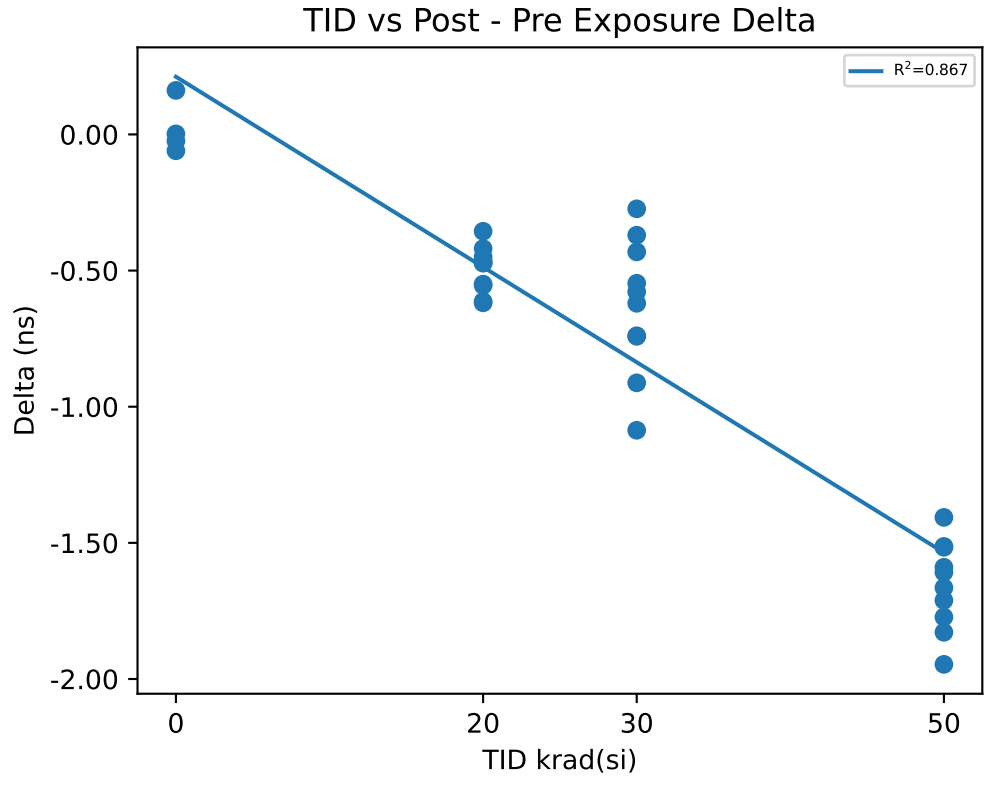
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
41	0	CORRELATION	30.552	30.426	-0.126
42	0	CORRELATION	30.349	30.278	-0.0709
43	0	CORRELATION	32.879	33.223	0.3441
45	0	CORRELATION	29.995	29.896	-0.0985
71	20	LDR BIAS	31.083	30.869	-0.2133
72	20	LDR BIAS	30.773	30.474	-0.299
73	20	LDR BIAS	31.05	30.791	-0.2598
74	20	LDR BIAS	32.029	31.862	-0.167
75	20	LDR BIAS	31.017	30.604	-0.4122
76	20	LDR UNBIAS	30.74	30.248	-0.492
77	20	LDR UNBIAS	31.308	30.66	-0.6478
78	20	LDR UNBIAS	32.282	31.829	-0.4534
79	20	LDR UNBIAS	30.189	29.353	-0.836
80	20	LDR UNBIAS	31.221	30.843	-0.3784
81	30	LDR BIAS	31.083	31.186	0.1036
82	30	LDR BIAS	30.773	30.341	-0.4325
83	30	LDR BIAS	31.05	30.452	-0.5982
84	30	LDR BIAS	32.029	31.583	-0.4458
85	30	LDR BIAS	31.017	30.414	-0.6029
86	30	LDR UNBIAS	30.74	30.178	-0.5611
87	30	LDR UNBIAS	31.308	30.903	-0.4045
88	30	LDR UNBIAS	32.282	31.593	-0.6893
89	30	LDR UNBIAS	30.189	29.61	-0.5798
90	30	LDR UNBIAS	31.221	30.663	-0.5575
91	50	LDR BIAS	31.083	30.127	-0.9557
92	50	LDR BIAS	30.773	29.514	-1.2588
93	50	LDR BIAS	31.05	29.518	-1.5322
94	50	LDR BIAS	32.029	30.833	-1.1961
95	50	LDR BIAS	31.017	29.605	-1.412
96	50	LDR UNBIAS	30.74	29.435	-1.3043
97	50	LDR UNBIAS	31.308	29.949	-1.3586
98	50	LDR UNBIAS	32.282	30.865	-1.417
99	50	LDR UNBIAS	30.189	28.656	-1.5332
100	50	LDR UNBIAS	31.221	30.09	-1.1314

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	29.995	30.944	32.879	1.3107	29.896	30.956	33.223	1.528	-0.126	0.012175	0.3441	0.22242
20	30.189	31.169	32.282	0.60973	29.353	30.753	31.862	0.72517	-0.836	-0.41589	-0.167	0.20546
30	30.189	31.169	32.282	0.60973	29.61	30.692	31.593	0.63151	-0.6893	-0.4768	0.1036	0.22237
50	30.189	31.169	32.282	0.60973	28.656	29.859	30.865	0.66831	-1.5332	-1.3099	-0.9557	0.18149

Device Test: 19.4 PWM|DEADTIME/GATE/10/8///0.5MHz/@T_RHL





Test Results (Lower Limit = 36.0, Upper Limit = 55.0 (ns))

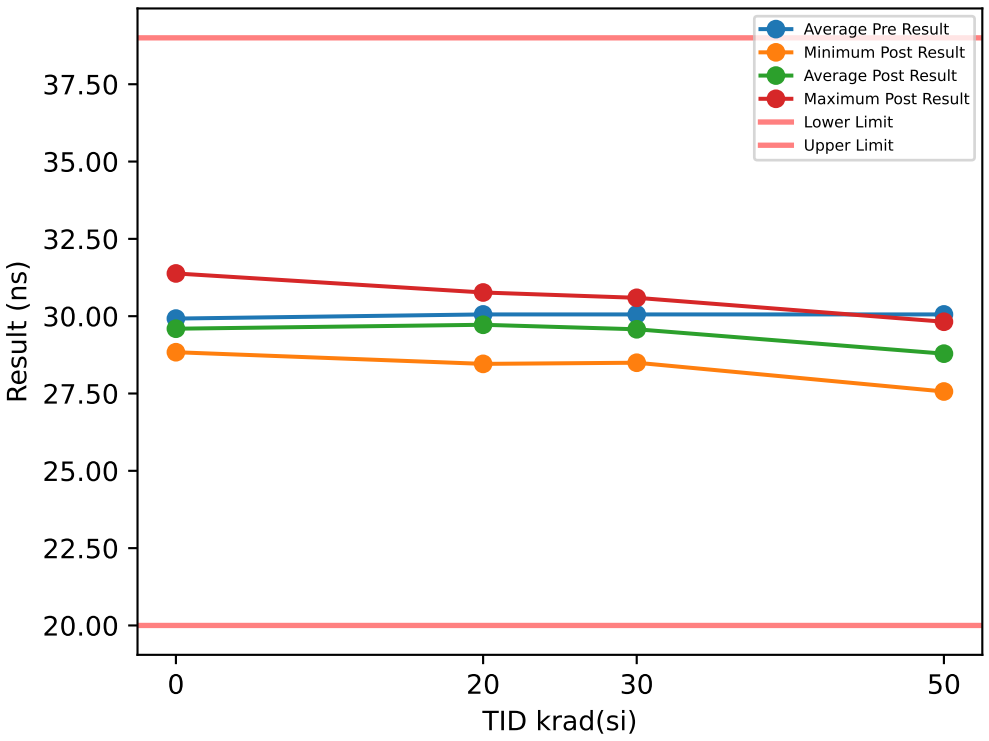
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
41	0	CORRELATION	46.292	46.232	-0.06
42	0	CORRELATION	47.78	47.756	-0.0243
43	0	CORRELATION	47.157	47.319	0.1617
45	0	CORRELATION	47.605	47.607	0.002
71	20	LDR BIAS	45.746	45.196	-0.5498
72	20	LDR BIAS	48.061	47.596	-0.465
73	20	LDR BIAS	47.713	47.294	-0.4193
74	20	LDR BIAS	47.78	47.166	-0.6135
75	20	LDR BIAS	47.282	46.664	-0.6185
76	20	LDR UNBIAS	48.869	48.315	-0.5542
77	20	LDR UNBIAS	47.577	47.106	-0.4709
78	20	LDR UNBIAS	46.691	46.335	-0.3558
79	20	LDR UNBIAS	47.091	46.618	-0.4729
80	20	LDR UNBIAS	46.818	46.369	-0.4494
81	30	LDR BIAS	45.746	44.66	-1.0865
82	30	LDR BIAS	48.061	47.483	-0.5778
83	30	LDR BIAS	47.713	47.343	-0.37
84	30	LDR BIAS	47.78	47.159	-0.6202
85	30	LDR BIAS	47.282	46.543	-0.7395
86	30	LDR UNBIAS	48.869	48.127	-0.7414
87	30	LDR UNBIAS	47.577	46.664	-0.9124
88	30	LDR UNBIAS	46.691	46.26	-0.4314
89	30	LDR UNBIAS	47.091	46.818	-0.2732
90	30	LDR UNBIAS	46.818	46.272	-0.5467
91	50	LDR BIAS	45.746	43.974	-1.7726
92	50	LDR BIAS	48.061	46.548	-1.5131
93	50	LDR BIAS	47.713	46.123	-1.5896
94	50	LDR BIAS	47.78	46.263	-1.5162
95	50	LDR BIAS	47.282	45.571	-1.7112
96	50	LDR UNBIAS	48.869	47.04	-1.8285
97	50	LDR UNBIAS	47.577	45.631	-1.9462
98	50	LDR UNBIAS	46.691	45.284	-1.4065
99	50	LDR UNBIAS	47.091	45.426	-1.6649
100	50	LDR UNBIAS	46.818	45.21	-1.6081

Test Statistics (ns)

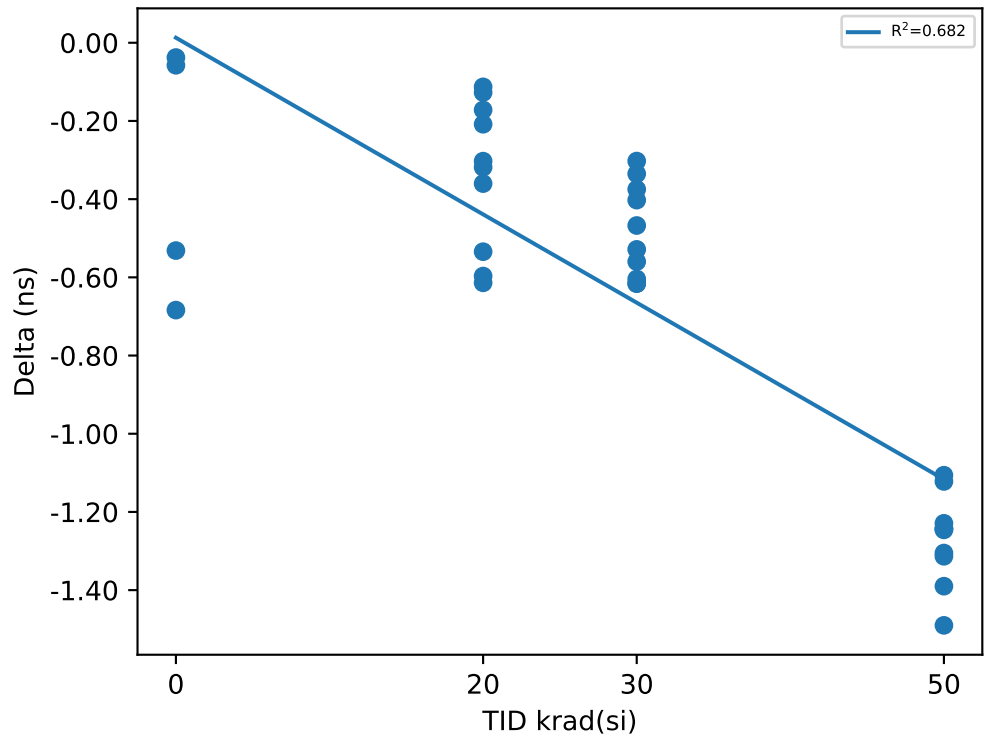
krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	46.292	47.209	47.78	0.66504	46.232	47.228	47.756	0.68865	-0.06	0.01985	0.1617	0.097921
20	45.746	47.363	48.869	0.85236	45.196	46.866	48.315	0.84196	-0.6185	-0.49693	-0.3558	0.084932
30	45.746	47.363	48.869	0.85236	44.66	46.733	48.127	0.93358	-1.0865	-0.62991	-0.2732	0.2487
50	45.746	47.363	48.869	0.85236	43.974	45.707	47.04	0.84986	-1.9462	-1.6557	-1.4065	0.16317

Device Test: 19.5 PWM|DEADTIME/GATE/10/8///1MHz/@T_RLH

TID vs Result Stats



TID vs Post - Pre Exposure Delta



Test Results (Lower Limit = 20.0, Upper Limit = 39.0 (ns))

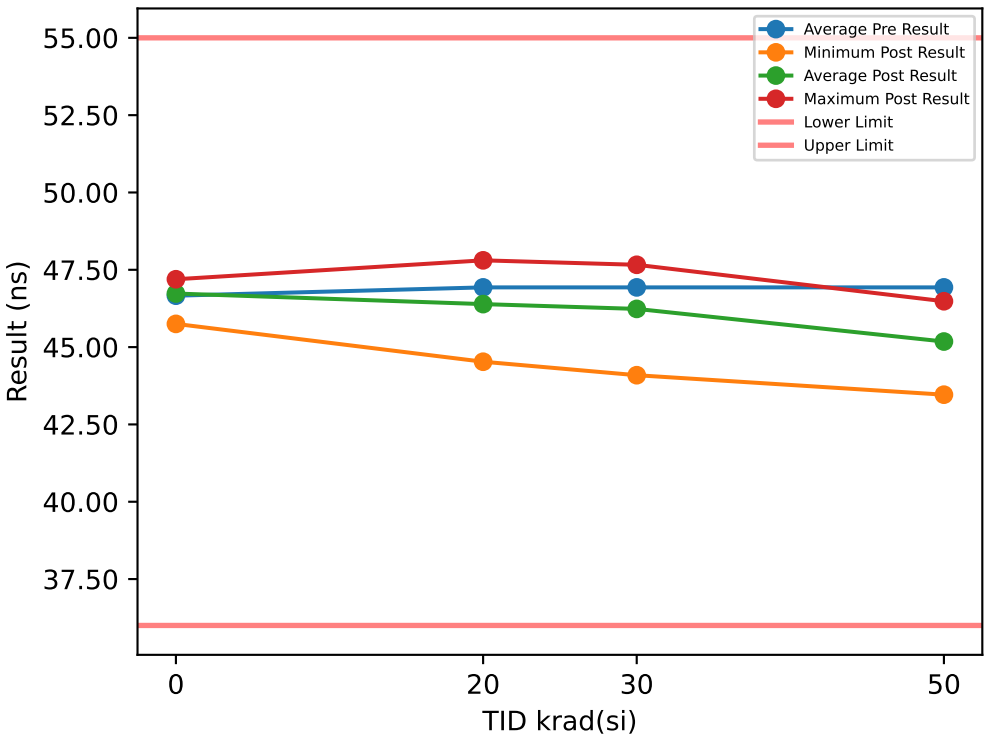
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
41	0	CORRELATION	29.366	28.835	-0.5315
42	0	CORRELATION	29.291	29.234	-0.0576
43	0	CORRELATION	32.066	31.382	-0.6838
45	0	CORRELATION	28.967	28.929	-0.0378
71	20	LDR BIAS	30.34	30.131	-0.2084
72	20	LDR BIAS	29.683	29.364	-0.3184
73	20	LDR BIAS	29.644	29.532	-0.1128
74	20	LDR BIAS	30.893	30.766	-0.1272
75	20	LDR BIAS	29.814	29.511	-0.3028
76	20	LDR UNBIAS	29.667	29.053	-0.614
77	20	LDR UNBIAS	30.092	29.92	-0.1718
78	20	LDR UNBIAS	31.21	30.676	-0.5344
79	20	LDR UNBIAS	29.055	28.458	-0.5967
80	20	LDR UNBIAS	30.171	29.811	-0.3602
81	30	LDR BIAS	30.34	29.937	-0.4025
82	30	LDR BIAS	29.683	29.215	-0.4674
83	30	LDR BIAS	29.644	29.309	-0.3351
84	30	LDR BIAS	30.893	30.591	-0.3026
85	30	LDR BIAS	29.814	29.198	-0.6156
86	30	LDR UNBIAS	29.667	29.063	-0.6042
87	30	LDR UNBIAS	30.092	29.717	-0.3748
88	30	LDR UNBIAS	31.21	30.594	-0.6162
89	30	LDR UNBIAS	29.055	28.495	-0.5597
90	30	LDR UNBIAS	30.171	29.643	-0.5285
91	50	LDR BIAS	30.34	29.026	-1.3134
92	50	LDR BIAS	29.683	28.44	-1.2428
93	50	LDR BIAS	29.644	28.398	-1.2459
94	50	LDR BIAS	30.893	29.787	-1.1061
95	50	LDR BIAS	29.814	28.571	-1.243
96	50	LDR UNBIAS	29.667	28.438	-1.2291
97	50	LDR UNBIAS	30.092	28.787	-1.3051
98	50	LDR UNBIAS	31.21	29.82	-1.3899
99	50	LDR UNBIAS	29.055	27.565	-1.4901
100	50	LDR UNBIAS	30.171	29.049	-1.122

Test Statistics (ns)

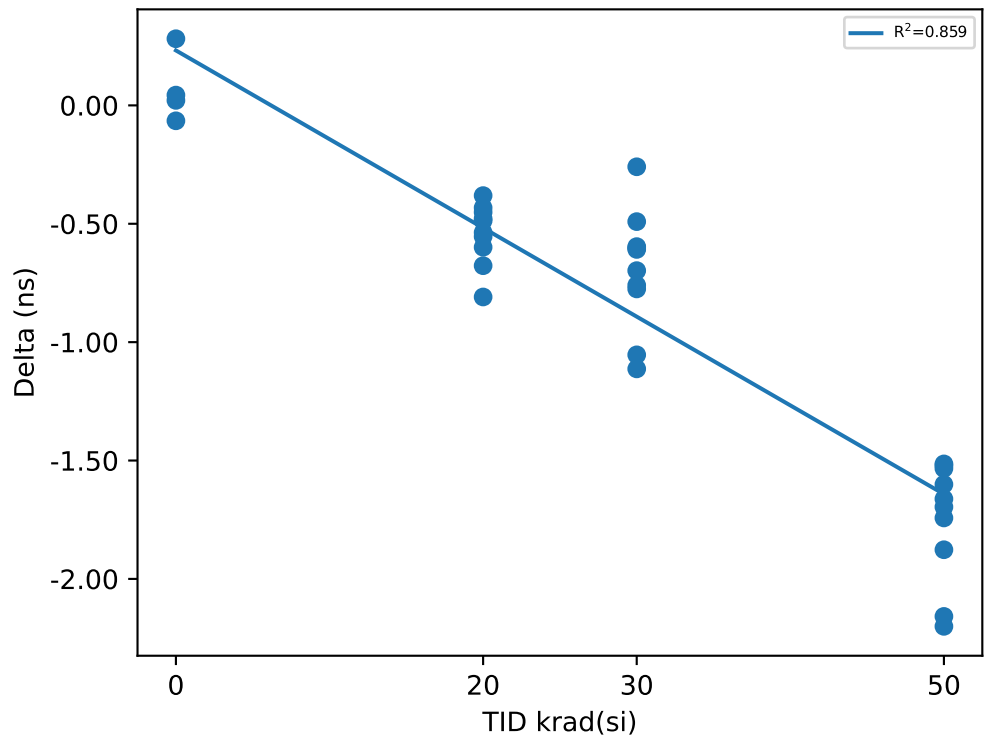
krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	28.967	29.923	32.066	1.4394	28.835	29.595	31.382	1.2036	-0.6838	-0.32767	-0.0378	0.32931
20	29.055	30.057	31.21	0.63686	28.458	29.722	30.766	0.70469	-0.614	-0.33467	-0.1128	0.18952
30	29.055	30.057	31.21	0.63686	28.495	29.576	30.594	0.66646	-0.6162	-0.48066	-0.3026	0.12054
50	29.055	30.057	31.21	0.63686	27.565	28.788	29.82	0.67734	-1.4901	-1.2687	-1.1061	0.1147

Device Test: 19.6 PWM|DEADTIME/GATE/10/8///1MHz/@T_RHL

TID vs Result Stats



TID vs Post - Pre Exposure Delta



Test Results (Lower Limit = 36.0, Upper Limit = 55.0 (ns))

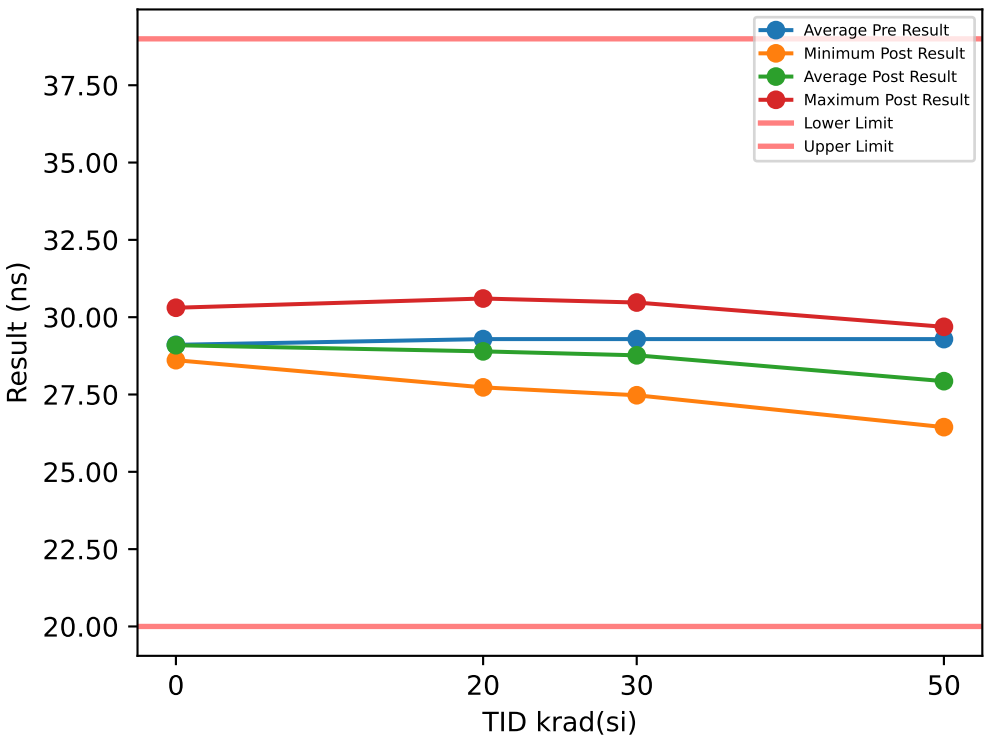
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
41	0	CORRELATION	45.73	45.751	0.0211
42	0	CORRELATION	47.259	47.194	-0.0651
43	0	CORRELATION	46.539	46.821	0.2815
45	0	CORRELATION	47.122	47.166	0.0435
71	20	LDR BIAS	45.204	44.527	-0.6771
72	20	LDR BIAS	47.578	47.146	-0.4323
73	20	LDR BIAS	47.186	46.708	-0.4782
74	20	LDR BIAS	47.254	46.655	-0.5991
75	20	LDR BIAS	46.637	46.1	-0.5369
76	20	LDR UNBIAS	48.36	47.806	-0.5539
77	20	LDR UNBIAS	47.282	46.472	-0.8092
78	20	LDR UNBIAS	46.307	45.926	-0.381
79	20	LDR UNBIAS	47.112	46.661	-0.4511
80	20	LDR UNBIAS	46.392	45.904	-0.4873
81	30	LDR BIAS	45.204	44.092	-1.1129
82	30	LDR BIAS	47.578	46.97	-0.6084
83	30	LDR BIAS	47.186	46.927	-0.2593
84	30	LDR BIAS	47.254	46.652	-0.6021
85	30	LDR BIAS	46.637	45.862	-0.7752
86	30	LDR UNBIAS	48.36	47.662	-0.6979
87	30	LDR UNBIAS	47.282	46.522	-0.7596
88	30	LDR UNBIAS	46.307	45.816	-0.4909
89	30	LDR UNBIAS	47.112	46.059	-1.0536
90	30	LDR UNBIAS	46.392	45.795	-0.5965
91	50	LDR BIAS	45.204	43.462	-1.7425
92	50	LDR BIAS	47.578	46.057	-1.5209
93	50	LDR BIAS	47.186	45.49	-1.6961
94	50	LDR BIAS	47.254	45.721	-1.5333
95	50	LDR BIAS	46.637	45.036	-1.6008
96	50	LDR UNBIAS	48.36	46.483	-1.8768
97	50	LDR UNBIAS	47.282	45.123	-2.1584
98	50	LDR UNBIAS	46.307	44.793	-1.5143
99	50	LDR UNBIAS	47.112	44.912	-2.2004
100	50	LDR UNBIAS	46.392	44.729	-1.6622

Test Statistics (ns)

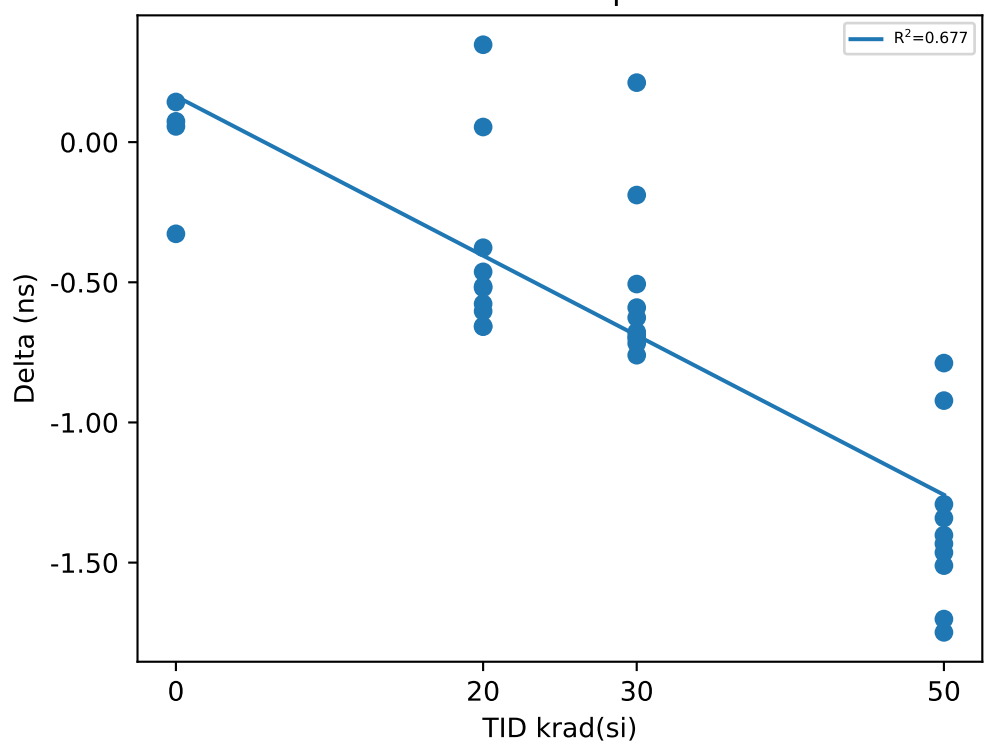
krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	45.73	46.663	47.259	0.69592	45.751	46.733	47.194	0.67637	-0.0651	0.07025	0.2815	0.14841
20	45.204	46.931	48.36	0.85198	44.527	46.391	47.806	0.87127	-0.8092	-0.54061	-0.381	0.12751
30	45.204	46.931	48.36	0.85198	44.092	46.236	47.662	0.96861	-1.1129	-0.69564	-0.2593	0.25192
50	45.204	46.931	48.36	0.85198	43.462	45.181	46.483	0.83373	-2.2004	-1.7506	-1.5143	0.25247

Device Test: 19.7 PWM|DEADTIME/GATE/10/8///2MHz/@T_RLH

TID vs Result Stats



TID vs Post - Pre Exposure Delta



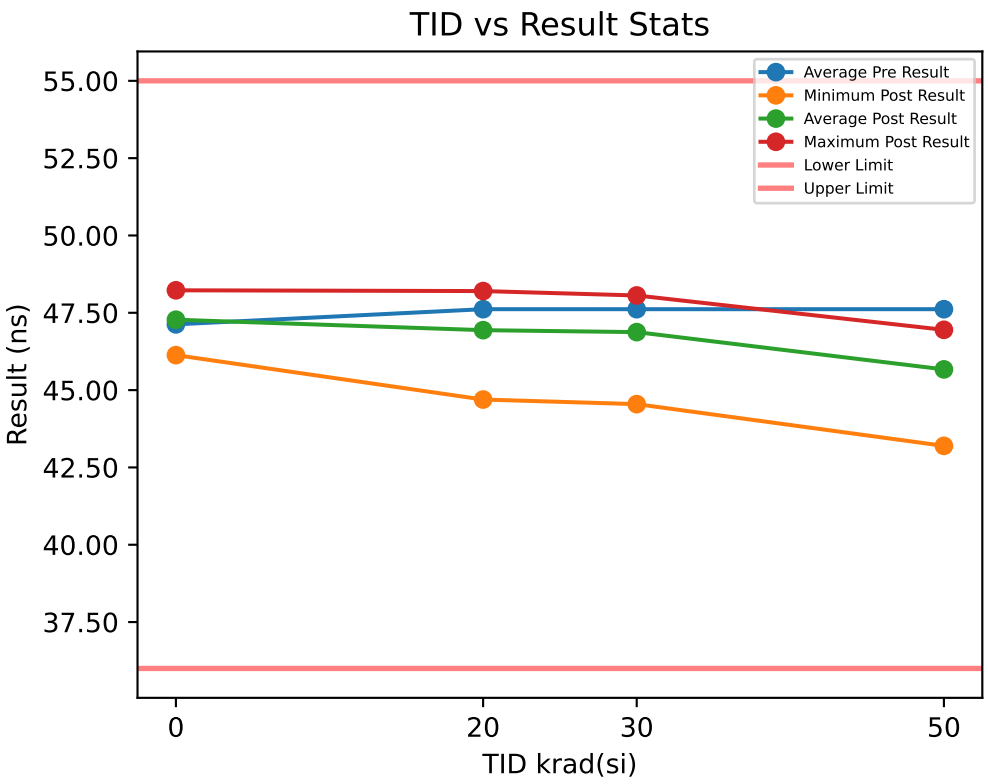
Test Results (Lower Limit = 20.0, Upper Limit = 39.0 (ns))

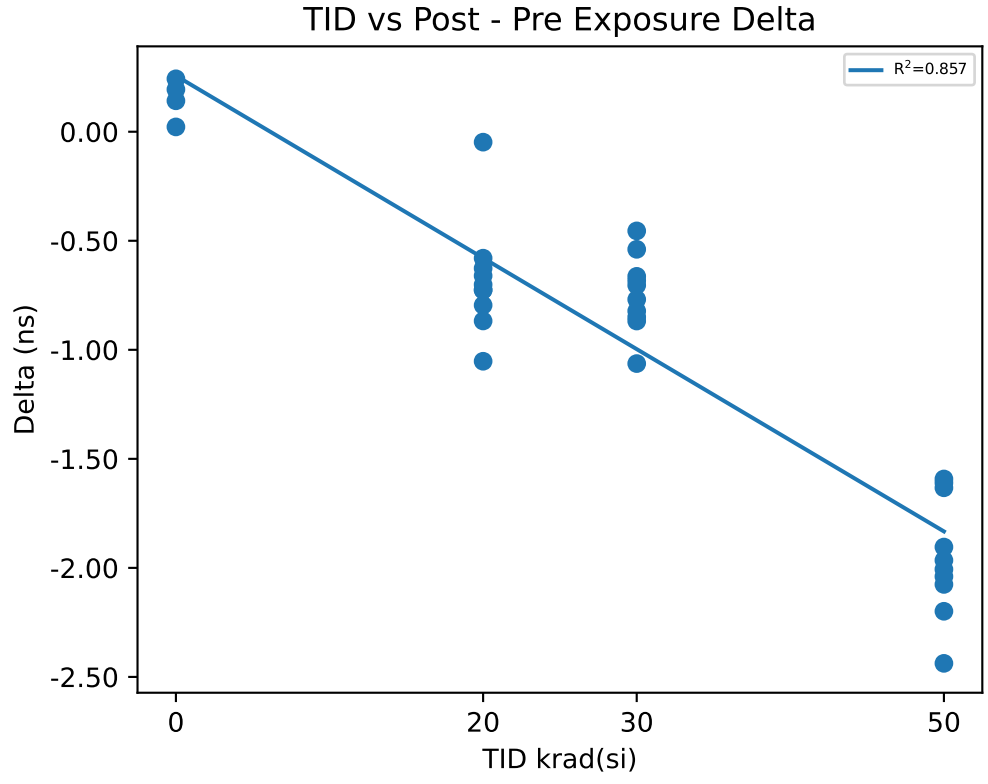
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
41	0	CORRELATION	28.534	28.677	0.1432
42	0	CORRELATION	28.535	28.609	0.0741
43	0	CORRELATION	30.632	30.305	-0.3271
45	0	CORRELATION	28.725	28.781	0.0561
71	20	LDR BIAS	29.399	28.879	-0.5195
72	20	LDR BIAS	29.301	28.644	-0.6566
73	20	LDR BIAS	28.451	28.505	0.0539
74	20	LDR BIAS	30.98	30.604	-0.3767
75	20	LDR BIAS	28.977	28.463	-0.5148
76	20	LDR UNBIAS	28.993	28.416	-0.5768
77	20	LDR UNBIAS	28.724	29.071	0.3474
78	20	LDR UNBIAS	29.8	29.141	-0.6583
79	20	LDR UNBIAS	28.193	27.731	-0.4628
80	20	LDR UNBIAS	30.097	29.494	-0.6031
81	30	LDR BIAS	29.399	28.722	-0.6773
82	30	LDR BIAS	29.301	28.674	-0.6262
83	30	LDR BIAS	28.451	28.262	-0.1888
84	30	LDR BIAS	30.98	30.474	-0.5063
85	30	LDR BIAS	28.977	28.217	-0.7601
86	30	LDR UNBIAS	28.993	28.293	-0.7006
87	30	LDR UNBIAS	28.724	28.936	0.2122
88	30	LDR UNBIAS	29.8	29.107	-0.6923
89	30	LDR UNBIAS	28.193	27.476	-0.7179
90	30	LDR UNBIAS	30.097	29.506	-0.5903
91	50	LDR BIAS	29.399	27.888	-1.5107
92	50	LDR BIAS	29.301	27.868	-1.4326
93	50	LDR BIAS	28.451	27.529	-0.9221
94	50	LDR BIAS	30.98	29.688	-1.2918
95	50	LDR BIAS	28.977	27.575	-1.4021
96	50	LDR UNBIAS	28.993	27.652	-1.3411
97	50	LDR UNBIAS	28.724	27.936	-0.7882
98	50	LDR UNBIAS	29.8	28.098	-1.7014
99	50	LDR UNBIAS	28.193	26.445	-1.7488
100	50	LDR UNBIAS	30.097	28.632	-1.4642

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	28.534	29.107	30.632	1.0211	28.609	29.093	30.305	0.81112	-0.3271	-0.013425	0.1432	0.21246
20	28.193	29.291	30.98	0.82949	27.731	28.895	30.604	0.77147	-0.6583	-0.39673	0.3474	0.33359
30	28.193	29.291	30.98	0.82949	27.476	28.767	30.474	0.82094	-0.7601	-0.52476	0.2122	0.30657
50	28.193	29.291	30.98	0.82949	26.445	27.931	29.688	0.82931	-1.7488	-1.3603	-0.7882	0.30406

Device Test: 19.8 PWM|DEADTIME/GATE/10/8///2MHz/@T_RHL





Test Results (Lower Limit = 36.0, Upper Limit = 55.0 (ns))

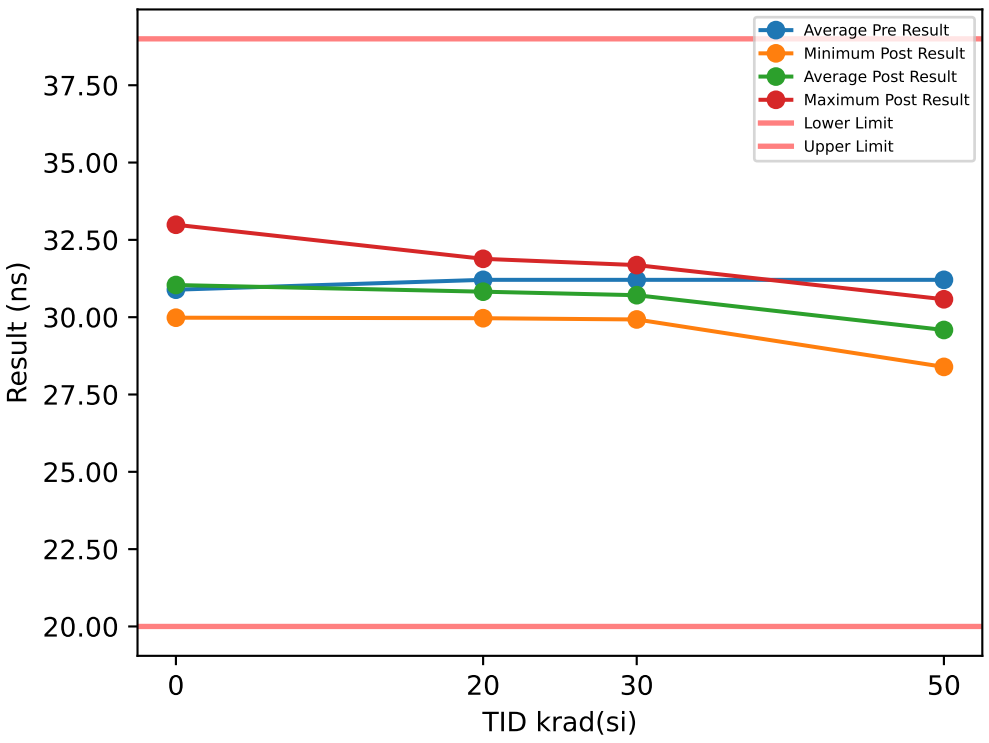
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
41	0	CORRELATION	46.454	46.648	0.194
42	0	CORRELATION	47.958	48.099	0.1419
43	0	CORRELATION	46.109	46.131	0.0221
45	0	CORRELATION	47.984	48.227	0.2427
71	20	LDR BIAS	45.396	44.695	-0.7012
72	20	LDR BIAS	48.289	47.663	-0.6262
73	20	LDR BIAS	47.296	46.57	-0.7256
74	20	LDR BIAS	48.582	47.787	-0.7955
75	20	LDR BIAS	46.924	46.056	-0.8677
76	20	LDR UNBIAS	48.928	48.203	-0.7255
77	20	LDR UNBIAS	47.428	47.38	-0.0478
78	20	LDR UNBIAS	48.705	48.045	-0.6606
79	20	LDR UNBIAS	47.105	46.052	-1.0525
80	20	LDR UNBIAS	47.512	46.932	-0.5798
81	30	LDR BIAS	45.396	44.547	-0.8497
82	30	LDR BIAS	48.289	47.52	-0.769
83	30	LDR BIAS	47.296	46.756	-0.5392
84	30	LDR BIAS	48.582	47.878	-0.7039
85	30	LDR BIAS	46.924	45.861	-1.0631
86	30	LDR UNBIAS	48.928	48.06	-0.868
87	30	LDR UNBIAS	47.428	46.973	-0.4547
88	30	LDR UNBIAS	48.705	47.883	-0.822
89	30	LDR UNBIAS	47.105	46.442	-0.6631
90	30	LDR UNBIAS	47.512	46.83	-0.6825
91	50	LDR BIAS	45.396	43.197	-2.199
92	50	LDR BIAS	48.289	46.679	-1.6097
93	50	LDR BIAS	47.296	45.703	-1.5923
94	50	LDR BIAS	48.582	46.95	-1.6327
95	50	LDR BIAS	46.924	44.885	-2.0395
96	50	LDR UNBIAS	48.928	46.852	-2.0758
97	50	LDR UNBIAS	47.428	45.421	-2.0066
98	50	LDR UNBIAS	48.705	46.801	-1.9045
99	50	LDR UNBIAS	47.105	44.667	-2.4378
100	50	LDR UNBIAS	47.512	45.547	-1.9652

Test Statistics (ns)

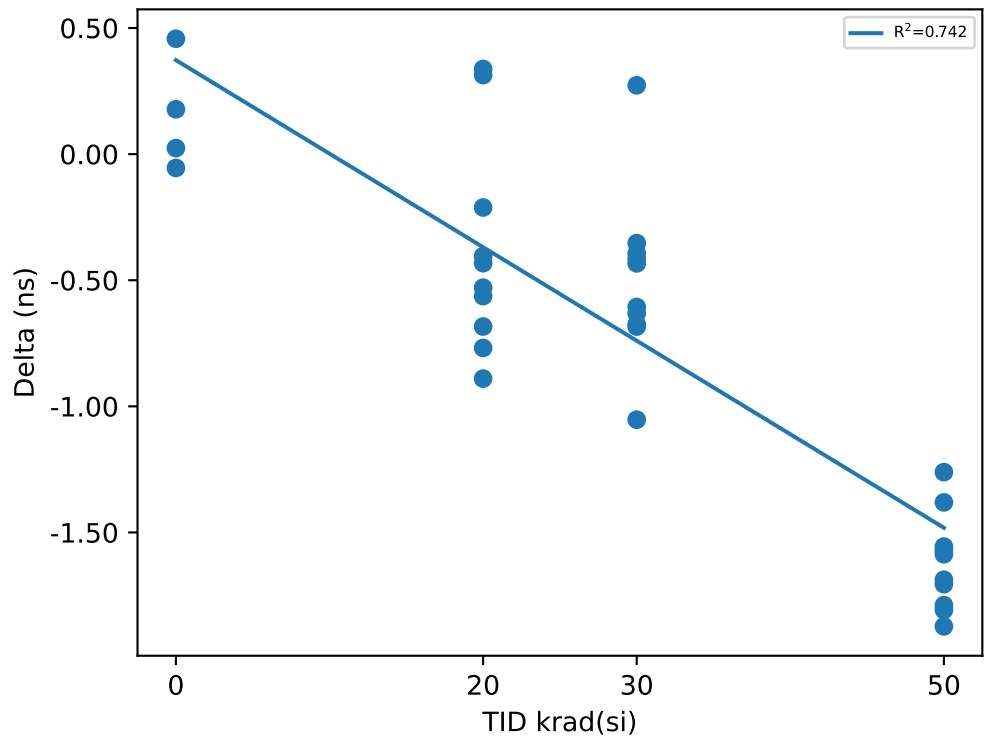
krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	46.109	47.126	47.984	0.98566	46.131	47.276	48.227	1.047	0.0221	0.15017	0.2427	0.094786
20	45.396	47.617	48.928	1.0599	44.695	46.938	48.203	1.1052	-1.0525	-0.67824	-0.0478	0.25925
30	45.396	47.617	48.928	1.0599	44.547	46.875	48.06	1.0805	-1.0631	-0.74152	-0.4547	0.17403
50	45.396	47.617	48.928	1.0599	43.197	45.67	46.95	1.2086	-2.4378	-1.9463	-1.5923	0.27357

Device Test: 19.9 PWM|DEADTIME/GATE/12/10///0MHz/@T_RLH

TID vs Result Stats



TID vs Post - Pre Exposure Delta



Test Results (Lower Limit = 20.0, Upper Limit = 39.0 (ns))

Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
41	0	CORRELATION	30.371	30.828	0.4575
42	0	CORRELATION	30.181	30.359	0.1777
43	0	CORRELATION	32.965	32.989	0.0239
45	0	CORRELATION	30.038	29.983	-0.0548
71	20	LDR BIAS	31.744	30.976	-0.7684
72	20	LDR BIAS	30.766	30.361	-0.4044
73	20	LDR BIAS	30.777	31.114	0.3377
74	20	LDR BIAS	32.099	31.887	-0.2116
75	20	LDR BIAS	31.171	30.281	-0.89
76	20	LDR UNBIAS	30.845	30.282	-0.563
77	20	LDR UNBIAS	31.406	30.723	-0.6835
78	20	LDR UNBIAS	32.367	31.838	-0.5295
79	20	LDR UNBIAS	29.653	29.967	0.3133
80	20	LDR UNBIAS	31.248	30.816	-0.4324
81	30	LDR BIAS	31.744	31.113	-0.6311
82	30	LDR BIAS	30.766	30.333	-0.4331
83	30	LDR BIAS	30.777	30.424	-0.3528
84	30	LDR BIAS	32.099	31.684	-0.4146
85	30	LDR BIAS	31.171	30.118	-1.0529
86	30	LDR UNBIAS	30.845	30.17	-0.6747
87	30	LDR UNBIAS	31.406	30.8	-0.6061
88	30	LDR UNBIAS	32.367	31.684	-0.6838
89	30	LDR UNBIAS	29.653	29.926	0.273
90	30	LDR UNBIAS	31.248	30.855	-0.3934
91	50	LDR BIAS	31.744	29.937	-1.8075
92	50	LDR BIAS	30.766	29.195	-1.5704
93	50	LDR BIAS	30.777	29.221	-1.556
94	50	LDR BIAS	32.099	30.512	-1.5866
95	50	LDR BIAS	31.171	29.299	-1.8723
96	50	LDR UNBIAS	30.845	29.14	-1.705
97	50	LDR UNBIAS	31.406	29.719	-1.6874
98	50	LDR UNBIAS	32.367	30.579	-1.7885
99	50	LDR UNBIAS	29.653	28.392	-1.2609
100	50	LDR UNBIAS	31.248	29.867	-1.3808

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	30.038	30.889	32.965	1.3907	29.983	31.04	32.989	1.3444	-0.0548	0.15107	0.4575	0.22595
20	29.653	31.208	32.367	0.77447	29.967	30.824	31.887	0.65101	-0.89	-0.38318	0.3377	0.41982
30	29.653	31.208	32.367	0.77447	29.926	30.711	31.684	0.62973	-1.0529	-0.49695	0.273	0.34005
50	29.653	31.208	32.367	0.77447	28.392	29.586	30.579	0.67131	-1.8723	-1.6215	-1.2609	0.19229

7 Revision History

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

Changes from Revision A (January 2026) to Revision B (August 2026)	Page
• Added LDR data throughout document	1
• Added LDR appendix	11

Changes from Revision * (May 2025) to Revision A (January 2026)	Page
• Production flow device used compared to proto device used for lookahead report	10
• ATE test coverage is 100% at 25ºC for pre/post HDR irradiation	10
• 23 units used for 50 Krad(Si) to cover RLAT for the die lot	10

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