

# HIGH DOSE RADIATION TEST REPORT AD667S

APRIL 2016

Generic

## Radiation Test Report

Product:	AD667S
Gamma:	0, 30k, 50k, 100k
Gamma Source:	Co60/TM1019 Condition A
Dose Rate:	173 Rad/s
Facilities:	Si-Rel
Tested:	4/10/2014

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		Icc Logic @ 2.4V				mA
Wafer	SN	PRE	30k	50k	100k	24Hr
CTRL	246	6.5840	6.5670	6.6010	6.5840	6.6010
9	252	6.8040	6.6350	6.5670	6.7530	6.2950
	247	6.8550	6.6690	6.5670	6.8720	6.2950
	248	6.8210	6.6690	6.5670	6.8380	6.2780
	249	6.7870	6.6520	6.5670	6.7870	6.3290
	Min	6.7870	6.6350	6.5670	6.7530	6.2780
	Max	6.8550	6.6690	6.5670	6.8720	6.3290
	Mean	6.8168	6.6563	6.5670	6.8125	6.2993
	Std. Dev	0.0290	0.0163	0.0000	0.0529	0.0214
	Mean - 3 Sigma	6.7297	6.6074	6.5670	6.6539	6.2351
	Mean + 3 Sigma	6.9038	6.7051	6.5670	6.9711	6.3634

		Icc Logic @ 0.8V				mA
Wafer	SN	PRE	30k	50k	100k	24Hr
CTRL	246	-19.2420	-19.2420	-19.4800	-19.2250	-19.3610
9	252	-20.0740	-19.7170	-19.7510	-20.1420	-19.5480
	247	-19.8360	-19.6830	-19.7510	-20.3280	-19.4970
	248	-19.6660	-19.6330	-19.6660	-20.2260	-19.3780
	249	-19.8360	-19.8530	-19.9040	-20.3280	-19.6490
	Min	-20.0740	-19.8530	-19.9040	-20.3280	-19.6490
	Max	-19.6660	-19.6330	-19.6660	-20.1420	-19.3780
	Mean	-19.8530	-19.7215	-19.7680	-20.2560	-19.5180
	Std. Dev	0.1677	0.0942	0.0991	0.0899	0.1127
	Mean - 3 Sigma	-20.3562	-20.0041	-20.0654	-20.5258	-19.8561
	Mean + 3 Sigma	-19.3498	-19.4389	-19.4706	-19.9862	-19.1799

		Enable Logic=0 DDBs=5V				V
Wafer	SN	PRE	30k	50k	100k	24Hr
CTRL	246	10.0000	10.0000	10.0000	10.0000	10.0000
9	252	10.0000	10.0000	10.0000	10.0000	10.0000
	247	10.0000	10.0000	10.0000	10.0000	10.0000
	248	10.0000	10.0000	10.0000	10.0000	10.0000
	249	10.0000	10.0000	10.0000	10.0000	10.0000
	Min	10.0000	10.0000	10.0000	10.0000	10.0000
	Max	10.0000	10.0000	10.0000	10.0000	10.0000
	Mean	10.0000	10.0000	10.0000	10.0000	10.0000
	Std. Dev	0.0000	0.0000	0.0000	0.0000	0.0000
	Mean - 3 Sigma	10.0000	10.0000	10.0000	10.0000	10.0000
	Mean + 3 Sigma	10.0000	10.0000	10.0000	10.0000	10.0000

		Enable Logic=DDBs=0V				V
Wafer	SN	PRE	30k	50k	100k	24Hr
CTRL	246	0.0000	0.0000	0.0000	0.0000	0.0000
9	252	0.0000	0.0000	0.0000	0.0000	0.0000
	247	0.0000	0.0000	0.0000	0.0000	0.0000
	248	0.0000	0.0000	0.0000	0.0000	0.0000
	249	0.0000	0.0000	0.0000	0.0000	0.0000
	Min	0.0000	0.0000	0.0000	0.0000	0.0000
	Max	0.0000	0.0000	0.0000	0.0000	0.0000
	Mean	0.0000	0.0000	0.0000	0.0000	0.0000
	Std. Dev	0.0000	0.0000	0.0000	0.0000	0.0000
	Mean - 3 Sigma	0.0000	0.0000	0.0000	0.0000	0.0000
	Mean + 3 Sigma	0.0000	0.0000	0.0000	0.0000	0.0000



		Disable CS Logic=0V DDBs=5V				V
Wafer	SN	PRE	30k	50k	100k	24Hr
CTRL	246	10.0000	10.0000	10.0000	10.0000	10.0000
9	252	10.0000	10.0000	10.0000	10.0000	10.0000
	247	10.0000	10.0000	10.0000	10.0000	10.0000
	248	10.0000	10.0000	10.0000	10.0000	10.0000
	249	10.0000	10.0000	10.0000	10.0000	10.0000
	Min	10.0000	10.0000	10.0000	10.0000	10.0000
	Max	10.0000	10.0000	10.0000	10.0000	10.0000
	Mean	10.0000	10.0000	10.0000	10.0000	10.0000
	Std. Dev	0.0000	0.0000	0.0000	0.0000	0.0000
	Mean - 3 Sigma	10.0000	10.0000	10.0000	10.0000	10.0000
	Mean + 3 Sigma	10.0000	10.0000	10.0000	10.0000	10.0000

		Vref Iref+2mA				V
Wafer	SN	PRE	30k	50k	100k	24Hr
CTRL	246	10.0000	10.0000	10.0000	10.0000	10.0000
9	252	10.0000	10.0000	10.0000	10.0000	10.0000
	247	9.9940	9.9940	10.0000	10.0000	10.0000
	248	9.9940	10.0000	10.0000	10.0060	10.0000
	249	10.0000	10.0000	10.0000	10.0060	10.0060
	Min	9.9940	9.9940	10.0000	10.0000	10.0000
	Max	10.0000	10.0000	10.0000	10.0060	10.0060
	Mean	9.9970	9.9985	10.0000	10.0030	10.0015
	Std. Dev	0.0035	0.0030	0.0000	0.0035	0.0030
	Mean - 3 Sigma	9.9866	9.9895	10.0000	9.9926	9.9925
	Mean + 3 Sigma	10.0074	10.0075	10.0000	10.0134	10.0105

		Input Current Low A0				uA
Wafer	SN	PRE	30k	50k	100k	24Hr
CTRL	246	0.0430	0.0440	0.0390	0.0430	0.0420
9	252	0.0500	0.0590	0.0550	0.0650	0.0900
	247	0.0650	0.0700	0.0650	0.0730	0.0960
	248	0.0740	0.0710	0.0650	0.0800	0.1020
	249	0.0570	0.0600	0.0590	0.0750	0.0980
	Min	0.0500	0.0590	0.0550	0.0650	0.0900
	Max	0.0740	0.0710	0.0650	0.0800	0.1020
	Mean	0.0615	0.0650	0.0610	0.0733	0.0965
	Std. Dev	0.0103	0.0064	0.0049	0.0062	0.0050
	Mean - 3 Sigma	0.0305	0.0459	0.0463	0.0545	0.0815
	Mean + 3 Sigma	0.0925	0.0841	0.0757	0.0920	0.1115

		Input Current Low A1				uA
Wafer	SN	PRE	30k	50k	100k	24Hr
CTRL	246	0.0420	0.0410	0.0410	0.0410	0.0410
9	252	0.0530	0.0660	0.0620	0.0770	0.0950
	247	0.0620	0.0690	0.0610	0.0740	0.0930
	248	0.0600	0.0640	0.0570	0.0700	0.0930
	249	0.0570	0.0620	0.0630	0.0810	0.0990
	Min	0.0530	0.0620	0.0570	0.0700	0.0930
	Max	0.0620	0.0690	0.0630	0.0810	0.0990
	Mean	0.0580	0.0653	0.0608	0.0755	0.0950
	Std. Dev	0.0039	0.0030	0.0026	0.0047	0.0028
	Mean - 3 Sigma	0.0463	0.0563	0.0529	0.0615	0.0865
	Mean + 3 Sigma	0.0697	0.0742	0.0686	0.0895	0.1035

		Input Current Low A2				uA
Wafer	SN	PRE	30k	50k	100k	24Hr
<b>CTRL</b>	246	<b>0.0420</b>	<b>0.0440</b>	<b>0.0400</b>	<b>0.0410</b>	<b>0.0390</b>
<b>9</b>	252	0.0520	0.0660	0.0650	0.0790	0.0990
	247	0.0590	0.0620	0.0590	0.0720	0.0910
	248	0.0650	0.0650	0.0570	0.0730	0.0930
	249	0.0550	0.0610	0.0620	0.0820	0.0960
	<b>Min</b>	0.0520	0.0610	0.0570	0.0720	0.0910
	<b>Max</b>	0.0650	0.0660	0.0650	0.0820	0.0990
	<b>Mean</b>	0.0578	0.0635	0.0608	0.0765	0.0948
	<b>Std. Dev</b>	0.0056	0.0024	0.0035	0.0048	0.0035
	<b>Mean - 3 Sigma</b>	0.0409	0.0564	0.0503	0.0621	0.0843
	<b>Mean + 3 Sigma</b>	0.0746	0.0706	0.0713	0.0909	0.1053

		Input Current Low A3				uA
Wafer	SN	PRE	30k	50k	100k	24Hr
<b>CTRL</b>	246	<b>0.0460</b>	<b>0.0450</b>	<b>0.0430</b>	<b>0.0450</b>	<b>0.0450</b>
<b>9</b>	252	0.0540	0.0650	0.0590	0.0740	0.0970
	247	0.0630	0.0660	0.0630	0.0780	0.0970
	248	0.0660	0.0680	0.0610	0.0750	0.0990
	249	0.0520	0.0640	0.0570	0.0740	0.0930
	<b>Min</b>	0.0520	0.0640	0.0570	0.0740	0.0930
	<b>Max</b>	0.0660	0.0680	0.0630	0.0780	0.0990
	<b>Mean</b>	0.0588	0.0658	0.0600	0.0753	0.0965
	<b>Std. Dev</b>	0.0068	0.0017	0.0026	0.0019	0.0025
	<b>Mean - 3 Sigma</b>	0.0383	0.0606	0.0523	0.0696	0.0890
	<b>Mean + 3 Sigma</b>	0.0792	0.0709	0.0677	0.0809	0.1040

		Input Current Low CS				uA
Wafer	SN	PRE	30k	50k	100k	24Hr
<b>CTRL</b>	246	<b>0.0510</b>	<b>0.0500</b>	<b>0.0490</b>	<b>0.0500</b>	<b>0.0480</b>
<b>9</b>	252	0.0580	0.0740	0.0680	0.0850	0.1090
	247	0.0740	0.0780	0.0740	0.0890	0.1090
	248	0.0730	0.0780	0.0680	0.0840	0.1060
	249	0.0610	0.0670	0.0680	0.0900	0.1080
	<b>Min</b>	0.0580	0.0670	0.0680	0.0840	0.1060
	<b>Max</b>	0.0740	0.0780	0.0740	0.0900	0.1090
	<b>Mean</b>	0.0665	0.0743	0.0695	0.0870	0.1080
	<b>Std. Dev</b>	0.0082	0.0052	0.0030	0.0029	0.0014
	<b>Mean - 3 Sigma</b>	0.0419	0.0587	0.0605	0.0782	0.1038
	<b>Mean + 3 Sigma</b>	0.0911	0.0898	0.0785	0.0958	0.1122

		Input Current Low Bit 1				uA
Wafer	SN	PRE	30k	50k	100k	24Hr
<b>CTRL</b>	246	<b>0.0230</b>	<b>0.0240</b>	<b>0.0240</b>	<b>0.0250</b>	<b>0.0240</b>
<b>9</b>	252	0.0360	0.0490	0.0550	0.0720	0.0720
	247	0.0430	0.0590	0.0670	0.0830	0.0740
	248	0.0360	0.0560	0.0590	0.0780	0.0710
	249	0.0330	0.0500	0.0570	0.0730	0.0650
	<b>Min</b>	0.0330	0.0490	0.0550	0.0720	0.0650
	<b>Max</b>	0.0430	0.0590	0.0670	0.0830	0.0740
	<b>Mean</b>	0.0370	0.0535	0.0595	0.0765	0.0705
	<b>Std. Dev</b>	0.0042	0.0048	0.0053	0.0051	0.0039
	<b>Mean - 3 Sigma</b>	0.0243	0.0391	0.0437	0.0613	0.0589
	<b>Mean + 3 Sigma</b>	0.0497	0.0679	0.0753	0.0917	0.0821

		Input Current Low Bit 2				uA	
Wafer	SN	PRE	30k	50k	100k	24Hr	
CTRL	246	<b>0.0280</b>	<b>0.0280</b>	<b>0.0300</b>	<b>0.0280</b>	<b>0.0290</b>	
9	252	0.0360	0.0510	0.0550	0.0720	0.0690	
	247	0.0370	0.0500	0.0570	0.0750	0.0690	
	248	0.0390	0.0510	0.0580	0.0730	0.0720	
	249	0.0330	0.0490	0.0550	0.0710	0.0630	
	Min	0.0330	0.0490	0.0550	0.0710	0.0630	
	Max	0.0390	0.0510	0.0580	0.0750	0.0720	
	Mean	0.0363	0.0503	0.0563	0.0728	0.0683	
	Std. Dev	0.0025	0.0010	0.0015	0.0017	0.0038	
	Mean - 3 Sigma	0.0288	0.0474	0.0518	0.0676	0.0569	
	Mean + 3 Sigma	0.0438	0.0531	0.0608	0.0779	0.0796	

		Input Current Low Bit 3				uA	
Wafer	SN	PRE	30k	50k	100k	24Hr	
CTRL	246	<b>0.0280</b>	<b>0.0290</b>	<b>0.0270</b>	<b>0.0280</b>	<b>0.0300</b>	
9	252	0.0380	0.0490	0.0560	0.0690	0.0690	
	247	0.0340	0.0500	0.0560	0.0740	0.0710	
	248	0.0350	0.0500	0.0550	0.0690	0.0690	
	249	0.0330	0.0510	0.0570	0.0720	0.0640	
	Min	0.0330	0.0490	0.0550	0.0690	0.0640	
	Max	0.0380	0.0510	0.0570	0.0740	0.0710	
	Mean	0.0350	0.0500	0.0560	0.0710	0.0683	
	Std. Dev	0.0022	0.0008	0.0008	0.0024	0.0030	
	Mean - 3 Sigma	0.0285	0.0476	0.0536	0.0637	0.0593	
	Mean + 3 Sigma	0.0415	0.0524	0.0584	0.0783	0.0772	

		Input Current Low Bit 4				uA	
Wafer	SN	PRE	30k	50k	100k	24Hr	
CTRL	246	<b>0.0300</b>	<b>0.0290</b>	<b>0.0290</b>	<b>0.0320</b>	<b>0.0280</b>	
9	252	0.0380	0.0500	0.0570	0.0730	0.0680	
	247	0.0340	0.0540	0.0590	0.0730	0.0730	
	248	0.0380	0.0500	0.0550	0.0720	0.0670	
	249	0.0310	0.0480	0.0540	0.0720	0.0630	
	Min	0.0310	0.0480	0.0540	0.0720	0.0630	
	Max	0.0380	0.0540	0.0590	0.0730	0.0730	
	Mean	0.0353	0.0505	0.0563	0.0725	0.0678	
	Std. Dev	0.0034	0.0025	0.0022	0.0006	0.0041	
	Mean - 3 Sigma	0.0250	0.0430	0.0496	0.0708	0.0554	
	Mean + 3 Sigma	0.0455	0.0580	0.0629	0.0742	0.0801	

		Input Current Low Bit 5				uA	
Wafer	SN	PRE	30k	50k	100k	24Hr	
CTRL	246	<b>0.0260</b>	<b>0.0250</b>	<b>0.0270</b>	<b>0.0270</b>	<b>0.0280</b>	
9	252	0.0270	0.0460	0.0510	0.0670	0.0680	
	247	0.0440	0.0550	0.0600	0.0780	0.0730	
	248	0.0380	0.0550	0.0630	0.0770	0.0700	
	249	0.0330	0.0490	0.0550	0.0710	0.0620	
	Min	0.0270	0.0460	0.0510	0.0670	0.0620	
	Max	0.0440	0.0550	0.0630	0.0780	0.0730	
	Mean	0.0355	0.0513	0.0573	0.0733	0.0683	
	Std. Dev	0.0072	0.0045	0.0053	0.0052	0.0046	
	Mean - 3 Sigma	0.0138	0.0378	0.0413	0.0577	0.0543	
	Mean + 3 Sigma	0.0572	0.0648	0.0732	0.0888	0.0822	

		Input Current Low Bit 6				uA
Wafer	SN	PRE	30k	50k	100k	24Hr
<b>CTRL</b>	<b>246</b>	<b>0.0230</b>	<b>0.0230</b>	<b>0.0210</b>	<b>0.0220</b>	<b>0.0210</b>
<b>9</b>	252	0.0380	0.0480	0.0560	0.0690	0.0680
	247	0.0360	0.0520	0.0570	0.0720	0.0680
	248	0.0360	0.0520	0.0570	0.0730	0.0700
	249	0.0330	0.0460	0.0520	0.0660	0.0650
	<b>Min</b>	0.0330	0.0460	0.0520	0.0660	0.0650
	<b>Max</b>	0.0380	0.0520	0.0570	0.0730	0.0700
	<b>Mean</b>	0.0358	0.0495	0.0555	0.0700	0.0678
	<b>Std. Dev</b>	0.0021	0.0030	0.0024	0.0032	0.0021
	<b>Mean - 3 Sigma</b>	0.0296	0.0405	0.0484	0.0605	0.0616
	<b>Mean + 3 Sigma</b>	0.0419	0.0585	0.0626	0.0795	0.0739

		Input Current Low Bit 7				uA
Wafer	SN	PRE	30k	50k	100k	24Hr
<b>CTRL</b>	<b>246</b>	<b>0.0280</b>	<b>0.0270</b>	<b>0.0280</b>	<b>0.0290</b>	<b>0.0290</b>
<b>9</b>	252	0.0280	0.0520	0.0530	0.0690	0.0670
	247	0.0380	0.0540	0.0600	0.0760	0.0720
	248	0.0380	0.0520	0.0570	0.0710	0.0700
	249	0.0320	0.0490	0.0550	0.0690	0.0620
	<b>Min</b>	0.0280	0.0490	0.0530	0.0690	0.0620
	<b>Max</b>	0.0380	0.0540	0.0600	0.0760	0.0720
	<b>Mean</b>	0.0340	0.0518	0.0563	0.0713	0.0678
	<b>Std. Dev</b>	0.0049	0.0021	0.0030	0.0033	0.0043
	<b>Mean - 3 Sigma</b>	0.0193	0.0456	0.0473	0.0613	0.0547
	<b>Mean + 3 Sigma</b>	0.0487	0.0579	0.0652	0.0812	0.0808

		Input Current Low Bit 8				uA
Wafer	SN	PRE	30k	50k	100k	24Hr
<b>CTRL</b>	<b>246</b>	<b>0.0280</b>	<b>0.0280</b>	<b>0.0270</b>	<b>0.0280</b>	<b>0.0270</b>
<b>9</b>	252	0.0310	0.0470	0.0520	0.0630	0.0690
	247	0.0370	0.0550	0.0590	0.0720	0.0720
	248	0.0380	0.0510	0.0550	0.0710	0.0710
	249	0.0320	0.0460	0.0500	0.0660	0.0640
	<b>Min</b>	0.0310	0.0460	0.0500	0.0630	0.0640
	<b>Max</b>	0.0380	0.0550	0.0590	0.0720	0.0720
	<b>Mean</b>	0.0345	0.0498	0.0540	0.0680	0.0690
	<b>Std. Dev</b>	0.0035	0.0041	0.0039	0.0042	0.0036
	<b>Mean - 3 Sigma</b>	0.0240	0.0374	0.0423	0.0553	0.0583
	<b>Mean + 3 Sigma</b>	0.0450	0.0621	0.0657	0.0807	0.0797

		Input Current Low Bit 9				uA
Wafer	SN	PRE	30k	50k	100k	24Hr
<b>CTRL</b>	<b>246</b>	<b>0.0310</b>	<b>0.0300</b>	<b>0.0320</b>	<b>0.0310</b>	<b>0.0320</b>
<b>9</b>	252	0.0390	0.0530	0.0580	0.0730	0.0700
	247	0.0370	0.0550	0.0610	0.0760	0.0740
	248	0.0390	0.0520	0.0580	0.0720	0.0690
	249	0.0360	0.0540	0.0620	0.0770	0.0690
	<b>Min</b>	0.0360	0.0520	0.0580	0.0720	0.0690
	<b>Max</b>	0.0390	0.0550	0.0620	0.0770	0.0740
	<b>Mean</b>	0.0378	0.0535	0.0598	0.0745	0.0705
	<b>Std. Dev</b>	0.0015	0.0013	0.0021	0.0024	0.0024
	<b>Mean - 3 Sigma</b>	0.0333	0.0496	0.0536	0.0674	0.0634
	<b>Mean + 3 Sigma</b>	0.0423	0.0574	0.0659	0.0816	0.0776

		Input Current Low Bit 10				uA
Wafer	SN	PRE	30k	50k	100k	24Hr
CTRL	246	0.0300	0.0310	0.0300	0.0310	0.0300
9	252	0.0280	0.0490	0.0520	0.0640	0.0660
	247	0.0410	0.0550	0.0610	0.0720	0.0720
	248	0.0430	0.0540	0.0570	0.0710	0.0690
	249	0.0380	0.0550	0.0610	0.0770	0.0680
	Min	0.0280	0.0490	0.0520	0.0640	0.0660
	Max	0.0430	0.0550	0.0610	0.0770	0.0720
	Mean	0.0375	0.0533	0.0578	0.0710	0.0688
	Std. Dev	0.0067	0.0029	0.0043	0.0054	0.0025
	Mean - 3 Sigma	0.0175	0.0446	0.0449	0.0549	0.0613
	Mean + 3 Sigma	0.0575	0.0619	0.0706	0.0871	0.0763

		Input Current Low Bit 11				uA
Wafer	SN	PRE	30k	50k	100k	24Hr
CTRL	246	0.0300	0.0300	0.0310	0.0290	0.0300
9	252	0.0300	0.0460	0.0510	0.0610	0.0650
	247	0.0400	0.0550	0.0570	0.0690	0.0690
	248	0.0410	0.0520	0.0560	0.0680	0.0690
	249	0.0350	0.0490	0.0550	0.0700	0.0660
	Min	0.0300	0.0460	0.0510	0.0610	0.0650
	Max	0.0410	0.0550	0.0570	0.0700	0.0690
	Mean	0.0365	0.0505	0.0548	0.0670	0.0673
	Std. Dev	0.0051	0.0039	0.0026	0.0041	0.0021
	Mean - 3 Sigma	0.0213	0.0389	0.0469	0.0548	0.0611
	Mean + 3 Sigma	0.0517	0.0621	0.0626	0.0792	0.0734

		Input Current Low Bit 12				uA
Wafer	SN	PRE	30k	50k	100k	24Hr
CTRL	246	0.0290	0.0290	0.0300	0.0310	0.0290
9	252	0.0370	0.0510	0.0530	0.0640	0.0660
	247	0.0400	0.0530	0.0590	0.0720	0.0700
	248	0.0420	0.0580	0.0630	0.0760	0.0700
	249	0.0350	0.0480	0.0530	0.0650	0.0640
	Min	0.0350	0.0480	0.0530	0.0640	0.0640
	Max	0.0420	0.0580	0.0630	0.0760	0.0700
	Mean	0.0385	0.0525	0.0570	0.0693	0.0675
	Std. Dev	0.0031	0.0042	0.0049	0.0057	0.0030
	Mean - 3 Sigma	0.0292	0.0399	0.0423	0.0520	0.0585
	Mean + 3 Sigma	0.0478	0.0651	0.0717	0.0865	0.0765

		Input Current High (5.5V) A0				uA
Wafer	SN	PRE	30k	50k	100k	24Hr
CTRL	246	1.0750	1.0740	1.0340	1.0750	1.0530
9	252	1.2390	1.5130	1.6150	1.8510	1.8880
	247	1.3830	1.6220	1.6910	1.9360	1.9590
	248	1.3980	1.5920	1.6800	1.9160	1.9640
	249	1.2660	1.4890	1.6380	1.9180	1.8890
	Min	1.2390	1.4890	1.6150	1.8510	1.8880
	Max	1.3980	1.6220	1.6910	1.9360	1.9640
	Mean	1.3215	1.5540	1.6560	1.9053	1.9250
	Std. Dev	0.0807	0.0632	0.0356	0.0373	0.0422
	Mean - 3 Sigma	1.0795	1.3645	1.5491	1.7934	1.7984
	Mean + 3 Sigma	1.5635	1.7435	1.7629	2.0171	2.0516



		Input Current High (5.5V) A1				uA	
Wafer	SN	PRE	30k	50k	100k	24Hr	
<b>CTRL</b>	<b>246</b>	<b>1.0530</b>	<b>1.0510</b>	<b>1.0110</b>	<b>1.0500</b>	<b>1.0290</b>	
<b>9</b>	<b>252</b>	1.2230	1.5120	1.6240	1.8830	1.8990	
	<b>247</b>	1.3290	1.5700	1.6520	1.9140	1.9430	
	<b>248</b>	1.3420	1.5420	1.6380	1.8990	1.9520	
	<b>249</b>	1.2350	1.4720	1.6410	1.9450	1.8870	
	<b>Min</b>	1.2230	1.4720	1.6240	1.8830	1.8870	
	<b>Max</b>	1.3420	1.5700	1.6520	1.9450	1.9520	
	<b>Mean</b>	1.2823	1.5240	1.6388	1.9103	1.9203	
	<b>Std. Dev</b>	0.0619	0.0420	0.0115	0.0264	0.0321	
	<b>Mean - 3 Sigma</b>	1.0965	1.3980	1.6042	1.8311	1.8241	
	<b>Mean + 3 Sigma</b>	1.4680	1.6500	1.6733	1.9894	2.0164	

		Input Current High (5.5V) A2				uA	
Wafer	SN	PRE	30k	50k	100k	24Hr	
<b>CTRL</b>	<b>246</b>	<b>1.0460</b>	<b>1.0470</b>	<b>1.0080</b>	<b>1.0420</b>	<b>1.0230</b>	
<b>9</b>	<b>252</b>	1.2120	1.4940	1.6120	1.8730	1.8880	
	<b>247</b>	1.2970	1.5480	1.6300	1.8970	1.9250	
	<b>248</b>	1.3380	1.5430	1.6480	1.9100	1.9540	
	<b>249</b>	1.1880	1.4340	1.6070	1.9280	1.8570	
	<b>Min</b>	1.1880	1.4340	1.6070	1.8730	1.8570	
	<b>Max</b>	1.3380	1.5480	1.6480	1.9280	1.9540	
	<b>Mean</b>	1.2588	1.5048	1.6243	1.9020	1.9060	
	<b>Std. Dev</b>	0.0706	0.0531	0.0187	0.0231	0.0424	
	<b>Mean - 3 Sigma</b>	1.0471	1.3455	1.5683	1.8326	1.7788	
	<b>Mean + 3 Sigma</b>	1.4704	1.6640	1.6802	1.9714	2.0332	

		Input Current High (5.5V) A3				uA	
Wafer	SN	PRE	30k	50k	100k	24Hr	
<b>CTRL</b>	<b>246</b>	<b>1.0640</b>	<b>1.0620</b>	<b>1.0180</b>	<b>1.0580</b>	<b>1.0380</b>	
<b>9</b>	<b>252</b>	1.1890	1.4630	1.5730	1.8290	1.8610	
	<b>247</b>	1.3020	1.5410	1.6210	1.8810	1.9250	
	<b>248</b>	1.3340	1.5310	1.6320	1.8820	1.9470	
	<b>249</b>	1.1870	1.4180	1.5760	1.8900	1.8470	
	<b>Min</b>	1.1870	1.4180	1.5730	1.8290	1.8470	
	<b>Max</b>	1.3340	1.5410	1.6320	1.8900	1.9470	
	<b>Mean</b>	1.2530	1.4883	1.6005	1.8705	1.8950	
	<b>Std. Dev</b>	0.0762	0.0583	0.0304	0.0280	0.0485	
	<b>Mean - 3 Sigma</b>	1.0244	1.3135	1.5094	1.7866	1.7494	
	<b>Mean + 3 Sigma</b>	1.4816	1.6630	1.6916	1.9544	2.0406	

		Input Current High (5.5V) CS				uA	
Wafer	SN	PRE	30k	50k	100k	24Hr	
<b>CTRL</b>	<b>246</b>	<b>1.0700</b>	<b>1.0670</b>	<b>1.0270</b>	<b>1.0640</b>	<b>1.0480</b>	
<b>9</b>	<b>252</b>	1.2380	1.5150	1.6250	1.8840	1.9050	
	<b>247</b>	1.3630	1.6010	1.6760	1.9400	1.9750	
	<b>248</b>	1.3620	1.5690	1.6670	1.9190	1.9760	
	<b>249</b>	1.1950	1.4140	1.5820	1.8870	1.8460	
	<b>Min</b>	1.1950	1.4140	1.5820	1.8840	1.8460	
	<b>Max</b>	1.3630	1.6010	1.6760	1.9400	1.9760	
	<b>Mean</b>	1.2895	1.5248	1.6375	1.9075	1.9255	
	<b>Std. Dev</b>	0.0861	0.0819	0.0432	0.0268	0.0626	
	<b>Mean - 3 Sigma</b>	1.0312	1.2790	1.5080	1.8270	1.7378	
	<b>Mean + 3 Sigma</b>	1.5478	1.7705	1.7670	1.9880	2.1132	

		Input Current High (5.5V) Bit 1				uA
Wafer	SN	PRE	30k	50k	100k	24Hr
CTRL	246	<b>0.6370</b>	<b>0.6350</b>	<b>0.6130</b>	<b>0.6310</b>	<b>0.6230</b>
9	252	0.7210	0.9200	1.0080	1.2180	1.1530
	247	0.8140	0.9970	1.0710	1.2960	1.2170
	248	0.7810	0.9320	1.0170	1.2340	1.1680
	249	0.6870	0.8300	0.9130	1.1060	1.0350
	Min	0.6870	0.8300	0.9130	1.1060	1.0350
	Max	0.8140	0.9970	1.0710	1.2960	1.2170
	Mean	0.7508	0.9198	1.0023	1.2135	1.1433
	Std. Dev	0.0573	0.0687	0.0657	0.0792	0.0772
	Mean - 3 Sigma	0.5787	0.7136	0.8052	0.9760	0.9117
	Mean + 3 Sigma	0.9228	1.1259	1.1993	1.4510	1.3748

		Input Current High (5.5V) Bit 2				uA
Wafer	SN	PRE	30k	50k	100k	24Hr
CTRL	246	<b>0.6250</b>	<b>0.6250</b>	<b>0.6010</b>	<b>0.6210</b>	<b>0.6100</b>
9	252	0.7180	0.9080	0.9870	1.1870	1.1260
	247	0.7930	0.9670	1.0360	1.2510	1.1900
	248	0.7870	0.9360	1.0130	1.2120	1.1660
	249	0.6900	0.8260	0.9090	1.0920	1.0380
	Min	0.6900	0.8260	0.9090	1.0920	1.0380
	Max	0.7930	0.9670	1.0360	1.2510	1.1900
	Mean	0.7470	0.9093	0.9863	1.1855	1.1300
	Std. Dev	0.0510	0.0605	0.0553	0.0677	0.0668
	Mean - 3 Sigma	0.5940	0.7277	0.8205	0.9825	0.9297
	Mean + 3 Sigma	0.9000	1.0908	1.1520	1.3885	1.3303

		Input Current High (5.5V) Bit 3				uA
Wafer	SN	PRE	30k	50k	100k	24Hr
CTRL	246	<b>0.6250</b>	<b>0.6280</b>	<b>0.6030</b>	<b>0.6240</b>	<b>0.6110</b>
9	252	0.7290	0.9180	0.9930	1.1840	1.1320
	247	0.7890	0.9590	1.0240	1.2390	1.1900
	248	0.7900	0.9350	1.0150	1.2120	1.1680
	249	0.6990	0.8350	0.9180	1.1010	1.0410
	Min	0.6990	0.8350	0.9180	1.1010	1.0410
	Max	0.7900	0.9590	1.0240	1.2390	1.1900
	Mean	0.7518	0.9118	0.9875	1.1840	1.1328
	Std. Dev	0.0453	0.0539	0.0481	0.0597	0.0657
	Mean - 3 Sigma	0.6159	0.7502	0.8431	1.0049	0.9357
	Mean + 3 Sigma	0.8876	1.0733	1.1319	1.3631	1.3298

		Input CurrentHigh (5.5V) Bit 4				uA
Wafer	SN	PRE	30k	50k	100k	24Hr
CTRL	246	<b>0.6400</b>	<b>0.6420</b>	<b>0.6180</b>	<b>0.6420</b>	<b>0.6260</b>
9	252	0.7400	0.9220	0.9890	1.1790	1.1320
	247	0.8070	0.9770	1.0440	1.2480	1.2020
	248	0.7840	0.9280	1.0030	1.2020	1.1550
	249	0.6920	0.8220	0.9080	1.0820	1.0370
	Min	0.6920	0.8220	0.9080	1.0820	1.0370
	Max	0.8070	0.9770	1.0440	1.2480	1.2020
	Mean	0.7558	0.9123	0.9860	1.1778	1.1315
	Std. Dev	0.0508	0.0650	0.0570	0.0700	0.0694
	Mean - 3 Sigma	0.6034	0.7172	0.8150	0.9678	0.9233
	Mean + 3 Sigma	0.9081	1.1073	1.1570	1.3877	1.3397

		Input Current High (5.5V) Bit 5				uA	
Wafer	SN	PRE	30k	50k	100k	24Hr	
CTRL	246	0.6250	0.6270	0.6020	0.6230	0.6110	
9	252	0.7230	0.9060	0.9770	1.1650	1.1240	
	247	0.8070	0.9690	1.0370	1.2410	1.1830	
	248	0.7910	0.9350	1.0090	1.2050	1.1700	
	249	0.6980	0.8290	0.9120	1.0880	1.0350	
	Min	0.6980	0.8290	0.9120	1.0880	1.0350	
	Max	0.8070	0.9690	1.0370	1.2410	1.1830	
	Mean	0.7548	0.9098	0.9838	1.1748	1.1280	
	Std. Dev	0.0525	0.0597	0.0537	0.0656	0.0670	
	Mean - 3 Sigma	0.5972	0.7307	0.8225	0.9778	0.9271	
	Mean + 3 Sigma	0.9123	1.0888	1.1450	1.3717	1.3289	

		Input Current High (5.5V) Bit 6				uA	
Wafer	SN	PRE	30k	50k	100k	24Hr	
CTRL	246	0.6300	0.6300	0.6050	0.6280	0.6200	
9	252	0.7290	0.9090	0.9800	1.1630	1.1190	
	247	0.8000	0.9610	1.0300	1.2290	1.1830	
	248	0.7840	0.9260	1.0010	1.1950	1.1540	
	249	0.7030	0.8340	0.9110	1.0930	1.0440	
	Min	0.7030	0.8340	0.9110	1.0930	1.0440	
	Max	0.8000	0.9610	1.0300	1.2290	1.1830	
	Mean	0.7540	0.9075	0.9805	1.1700	1.1250	
	Std. Dev	0.0456	0.0536	0.0507	0.0580	0.0600	
	Mean - 3 Sigma	0.6172	0.7468	0.8285	0.9961	0.9450	
	Mean + 3 Sigma	0.8908	1.0682	1.1325	1.3439	1.3050	

		Input Current High (5.5V) Bit 7				uA	
Wafer	SN	PRE	30k	50k	100k	24Hr	
CTRL	246	0.6230	0.6230	0.6000	0.6220	0.6110	
9	252	0.7330	0.9170	0.9860	1.1660	1.1260	
	247	0.8090	0.9700	1.0370	1.2390	1.1840	
	248	0.7910	0.9270	1.0030	1.1970	1.1540	
	249	0.6900	0.8110	0.8900	1.0720	1.0230	
	Min	0.6900	0.8110	0.8900	1.0720	1.0230	
	Max	0.8090	0.9700	1.0370	1.2390	1.1840	
	Mean	0.7558	0.9063	0.9790	1.1685	1.1218	
	Std. Dev	0.0545	0.0675	0.0630	0.0709	0.0700	
	Mean - 3 Sigma	0.5922	0.7036	0.7900	0.9557	0.9119	
	Mean + 3 Sigma	0.9193	1.1089	1.1680	1.3813	1.3316	

		Input Current High (5.5V) Bit 8				uA	
Wafer	SN	PRE	30k	50k	100k	24Hr	
CTRL	246	0.6170	0.6130	0.5930	0.6120	0.6040	
9	252	0.7070	0.8800	0.9500	1.1320	1.1000	
	247	0.8110	0.9780	1.0310	1.2240	1.1850	
	248	0.7910	0.9260	0.9970	1.1870	1.1530	
	249	0.6950	0.8220	0.9040	1.0750	1.0250	
	Min	0.6950	0.8220	0.9040	1.0750	1.0250	
	Max	0.8110	0.9780	1.0310	1.2240	1.1850	
	Mean	0.7510	0.9015	0.9705	1.1545	1.1158	
	Std. Dev	0.0585	0.0664	0.0554	0.0651	0.0699	
	Mean - 3 Sigma	0.5755	0.7022	0.8043	0.9592	0.9060	
	Mean + 3 Sigma	0.9265	1.1008	1.1367	1.3498	1.3255	

		Input Current High (5.5V) Bit 9				uA	
Wafer	SN	PRE	30k	50k	100k	24Hr	
<b>CTRL</b>	<b>246</b>	<b>0.6620</b>	<b>0.6640</b>	<b>0.6330</b>	<b>0.6560</b>	<b>0.6500</b>	
<b>9</b>	<b>252</b>	0.7430	0.9310	0.9980	1.1740	1.1380	
	<b>247</b>	0.8560	1.0210	1.0800	1.2810	1.2440	
	<b>248</b>	0.8360	0.9760	1.0470	1.2290	1.2110	
	<b>249</b>	0.7370	0.8780	0.9720	1.1600	1.1010	
	<b>Min</b>	0.7370	0.8780	0.9720	1.1600	1.1010	
	<b>Max</b>	0.8560	1.0210	1.0800	1.2810	1.2440	
	<b>Mean</b>	0.7930	0.9515	1.0243	1.2110	1.1735	
	<b>Std. Dev</b>	0.0618	0.0612	0.0485	0.0554	0.0656	
	<b>Mean - 3 Sigma</b>	0.6076	0.7678	0.8789	1.0449	0.9768	
	<b>Mean + 3 Sigma</b>	0.9784	1.1352	1.1696	1.3771	1.3702	

		Input Current High (5.5V) Bit 10				uA	
Wafer	SN	PRE	30k	50k	100k	24Hr	
<b>CTRL</b>	<b>246</b>	<b>0.6600</b>	<b>0.6620</b>	<b>0.6410</b>	<b>0.6610</b>	<b>0.6440</b>	
<b>9</b>	<b>252</b>	0.7480	0.9160	0.9750	1.1290	1.1190	
	<b>247</b>	0.8490	1.0030	1.0520	1.2260	1.2100	
	<b>248</b>	0.8380	0.9650	1.0240	1.1840	1.1780	
	<b>249</b>	0.7380	0.8630	0.9400	1.1080	1.0690	
	<b>Min</b>	0.7380	0.8630	0.9400	1.1080	1.0690	
	<b>Max</b>	0.8490	1.0030	1.0520	1.2260	1.2100	
	<b>Mean</b>	0.7933	0.9368	0.9978	1.1618	1.1440	
	<b>Std. Dev</b>	0.0583	0.0607	0.0499	0.0535	0.0626	
	<b>Mean - 3 Sigma</b>	0.6182	0.7546	0.8479	1.0013	0.9562	
	<b>Mean + 3 Sigma</b>	0.9683	1.1189	1.1476	1.3222	1.3318	

		Input Current High (5.5V) Bit 11				uA	
Wafer	SN	PRE	30k	50k	100k	24Hr	
<b>CTRL</b>	<b>246</b>	<b>0.6500</b>	<b>0.6450</b>	<b>0.6200</b>	<b>0.6440</b>	<b>0.6340</b>	
<b>9</b>	<b>252</b>	0.7480	0.9150	0.9690	1.1170	1.1080	
	<b>247</b>	0.8540	1.0030	1.0520	1.2210	1.1990	
	<b>248</b>	0.8500	0.9760	1.0300	1.1900	1.1880	
	<b>249</b>	0.7380	0.8770	0.9640	1.1500	1.0870	
	<b>Min</b>	0.7380	0.8770	0.9640	1.1170	1.0870	
	<b>Max</b>	0.8540	1.0030	1.0520	1.2210	1.1990	
	<b>Mean</b>	0.7975	0.9428	1.0038	1.1695	1.1455	
	<b>Std. Dev</b>	0.0631	0.0572	0.0440	0.0455	0.0563	
	<b>Mean - 3 Sigma</b>	0.6082	0.7710	0.8718	1.0330	0.9767	
	<b>Mean + 3 Sigma</b>	0.9868	1.1145	1.1357	1.3060	1.3143	

		Input Current High (5.5V) Bit 12				uA	
Wafer	SN	PRE	30k	50k	100k	24Hr	
<b>CTRL</b>	<b>246</b>	<b>0.6310</b>	<b>0.6300</b>	<b>0.6100</b>	<b>0.6310</b>	<b>0.6180</b>	
<b>9</b>	<b>252</b>	0.7360	0.8880	0.9370	1.0700	1.0650	
	<b>247</b>	0.8340	0.9810	1.0230	1.1870	1.1660	
	<b>248</b>	0.8120	0.9320	0.9800	1.1240	1.1370	
	<b>249</b>	0.7310	0.8510	0.9210	1.0780	1.0450	
	<b>Min</b>	0.7310	0.8510	0.9210	1.0700	1.0450	
	<b>Max</b>	0.8340	0.9810	1.0230	1.1870	1.1660	
	<b>Mean</b>	0.7783	0.9130	0.9653	1.1148	1.1033	
	<b>Std. Dev</b>	0.0525	0.0561	0.0459	0.0537	0.0575	
	<b>Mean - 3 Sigma</b>	0.6208	0.7446	0.8277	0.9536	0.9306	
	<b>Mean + 3 Sigma</b>	0.9357	1.0814	1.1028	1.2759	1.2759	

		Vos				LSB
Wafer	SN	PRE	30k	50k	100k	24Hr
<b>CTRL</b>	<b>246</b>	<b>-0.6590</b>	<b>-0.6480</b>	<b>-0.7550</b>	<b>-0.6530</b>	<b>-0.6810</b>
<b>9</b>	<b>252</b>	-0.5610	-0.5790	-0.5520	1.1310	-0.6010
	<b>247</b>	-0.6490	-1.0900	-0.8290	5.5000	-1.0530
	<b>248</b>	-0.6160	-0.7580	-0.6770	3.4000	-0.7690
	<b>249</b>	-0.7250	-0.5700	-0.5320	2.1000	-0.6060
	<b>Min</b>	-0.7250	-1.0900	-0.8290	1.1310	-1.0530
	<b>Max</b>	-0.5610	-0.5700	-0.5320	5.5000	-0.6010
	<b>Mean</b>	-0.6378	-0.7493	-0.6475	3.0328	-0.7573
	<b>Std. Dev</b>	0.0686	0.2431	0.1370	1.8893	0.2121
	<b>Mean - 3 Sigma</b>	-0.8434	-1.4786	-1.0584	-2.6353	-1.3934
	<b>Mean + 3 Sigma</b>	-0.4321	-0.0199	-0.2366	8.7008	-0.1211

		Ae				%FS
Wafer	SN	PRE	30k	50k	100k	24Hr
<b>CTRL</b>	<b>246</b>	<b>-0.0320</b>	<b>-0.0200</b>	<b>-0.0330</b>	<b>-0.0320</b>	<b>-0.0420</b>
<b>9</b>	<b>252</b>	-0.0310	-0.0280	-0.0180	-0.0030	-0.0210
	<b>247</b>	-0.0620	-0.0480	-0.0600	-0.0430	-0.0650
	<b>248</b>	-0.0440	-0.0060	-0.0200	0.0000	-0.0170
	<b>249</b>	0.0110	0.0170	0.0040	0.0130	0.0010
	<b>Min</b>	-0.0620	-0.0480	-0.0600	-0.0430	-0.0650
	<b>Max</b>	0.0110	0.0170	0.0040	0.0130	0.0010
	<b>Mean</b>	-0.0315	-0.0163	-0.0235	-0.0083	-0.0255
	<b>Std. Dev</b>	0.0311	0.0280	0.0267	0.0242	0.0280
	<b>Mean - 3 Sigma</b>	-0.1247	-0.1003	-0.1035	-0.0808	-0.1096
	<b>Mean + 3 Sigma</b>	0.0617	0.0678	0.0565	0.0643	0.0586

		-PSRR Vee=-11.4V to -16.5V				PPM/%
Wafer	SN	PRE	30k	50k	100k	24Hr
<b>CTRL</b>	<b>246</b>	<b>1.1260</b>	<b>1.1790</b>	<b>1.1790</b>	<b>1.1900</b>	<b>1.1920</b>
<b>9</b>	<b>252</b>	0.6450	0.7180	0.8200	4.8430	0.8670
	<b>247</b>	1.4970	1.2860	1.7610	11.7000	1.6900
	<b>248</b>	0.8220	0.8470	1.0080	7.8730	1.0720
	<b>249</b>	0.1950	0.4220	0.4310	7.2340	0.5790
	<b>Min</b>	0.1950	0.4220	0.4310	4.8430	0.5790
	<b>Max</b>	1.4970	1.2860	1.7610	11.7000	1.6900
	<b>Mean</b>	0.7898	0.8183	1.0050	7.9125	1.0520
	<b>Std. Dev</b>	0.5403	0.3590	0.5583	2.8419	0.4710
	<b>Mean - 3 Sigma</b>	-0.8313	-0.2588	-0.6700	-0.6132	-0.3609
	<b>Mean + 3 Sigma</b>	2.4108	1.8953	2.6800	16.4382	2.4649

		+PSRR Vcc=11.4V to 16.5V				PPM/%
Wafer	SN	PRE	30k	50k	100k	24Hr
<b>CTRL</b>	<b>246</b>	<b>4.1360</b>	<b>4.1060</b>	<b>4.1360</b>	<b>4.0790</b>	<b>4.1430</b>
<b>9</b>	<b>252</b>	4.5560	4.7010	4.9590	8.2480	5.4270
	<b>247</b>	4.4680	4.8930	5.2200	15.8000	5.5930
	<b>248</b>	5.4080	5.1860	5.3980	12.0000	6.2940
	<b>249</b>	4.4670	4.8440	5.0060	11.1000	5.2190
	<b>Min</b>	4.4670	4.7010	4.9590	8.2480	5.2190
	<b>Max</b>	5.4080	5.1860	5.3980	15.8000	6.2940
	<b>Mean</b>	4.7248	4.9060	5.1458	11.7870	5.6333
	<b>Std. Dev</b>	0.4574	0.2037	0.2029	3.1169	0.4663
	<b>Mean - 3 Sigma</b>	3.3525	4.2950	4.5369	2.4362	4.2343
	<b>Mean + 3 Sigma</b>	6.0970	5.5170	5.7546	21.1378	7.0322

		Bipolar Zero Span+/-10V				%FS
Wafer	SN	PRE	30k	50k	100k	24Hr
<b>CTRL</b>	<b>246</b>	<b>-0.0940</b>	<b>-0.0800</b>	<b>-0.0990</b>	<b>-0.0950</b>	<b>-0.1000</b>
<b>9</b>	<b>252</b>	-0.0950	-0.0980	-0.0880	-0.0670	-0.0970
	<b>247</b>	-0.0940	-0.1000	-0.1100	0.0710	-0.1000
	<b>248</b>	-0.0770	-0.0760	-0.0900	0.0100	-0.1000
	<b>249</b>	-0.0840	-0.0810	-0.0970	-0.0420	-0.1000
	<b>Min</b>	-0.0950	-0.1000	-0.1100	-0.0670	-0.1000
	<b>Max</b>	-0.0770	-0.0760	-0.0880	0.0710	-0.0970
	<b>Mean</b>	-0.0875	-0.0888	-0.0963	-0.0070	-0.0993
	<b>Std. Dev</b>	0.0086	0.0120	0.0099	0.0611	0.0015
	<b>Mean - 3 Sigma</b>	-0.1132	-0.1249	-0.1261	-0.1903	-0.1038
	<b>Mean + 3 Sigma</b>	-0.0618	-0.0526	-0.0664	0.1763	-0.0948

		INL Code 1				LSB
Wafer	SN	PRE	30k	50k	100k	24Hr
<b>CTRL</b>	<b>246</b>	<b>-0.0020</b>	<b>0.0070</b>	<b>0.0140</b>	<b>-0.0080</b>	<b>0.0020</b>
<b>9</b>	<b>252</b>	-0.0060	0.0000	0.0160	0.0570	-0.0080
	<b>247</b>	0.0090	0.0160	0.0110	0.0830	0.0050
	<b>248</b>	-0.0070	0.0020	0.0040	0.0610	0.0140
	<b>249</b>	0.0000	-0.0030	0.0010	0.0890	0.0000
	<b>Min</b>	-0.0070	-0.0030	0.0010	0.0570	-0.0080
	<b>Max</b>	0.0090	0.0160	0.0160	0.0890	0.0140
	<b>Mean</b>	-0.0010	0.0038	0.0080	0.0725	0.0028
	<b>Std. Dev</b>	0.0073	0.0084	0.0068	0.0159	0.0092
	<b>Mean - 3 Sigma</b>	-0.0230	-0.0215	-0.0123	0.0249	-0.0249
	<b>Mean + 3 Sigma</b>	0.0210	0.0290	0.0283	0.1201	0.0304

		INL Code 2				LSB
Wafer	SN	PRE	30k	50k	100k	24Hr
<b>CTRL</b>	<b>246</b>	<b>-0.0020</b>	<b>0.0080</b>	<b>0.0090</b>	<b>0.0140</b>	<b>0.0130</b>
<b>9</b>	<b>252</b>	-0.0070	0.0100	0.0190	0.0580	0.0000
	<b>247</b>	0.0000	0.0140	0.0090	0.0700	0.0060
	<b>248</b>	0.0000	0.0160	0.0120	0.0660	0.0180
	<b>249</b>	0.0050	-0.0100	0.0000	0.0870	0.0000
	<b>Min</b>	-0.0070	-0.0100	0.0000	0.0580	0.0000
	<b>Max</b>	0.0050	0.0160	0.0190	0.0870	0.0180
	<b>Mean</b>	-0.0005	0.0075	0.0100	0.0703	0.0060
	<b>Std. Dev</b>	0.0049	0.0119	0.0079	0.0122	0.0085
	<b>Mean - 3 Sigma</b>	-0.0153	-0.0283	-0.0136	0.0336	-0.0195
	<b>Mean + 3 Sigma</b>	0.0143	0.0433	0.0336	0.1069	0.0315

		INL Code 4				LSB
Wafer	SN	PRE	30k	50k	100k	24Hr
<b>CTRL</b>	<b>246</b>	<b>-0.0030</b>	<b>0.0100</b>	<b>0.0190</b>	<b>0.0070</b>	<b>0.0130</b>
<b>9</b>	<b>252</b>	-0.0170	0.0090	0.0160	0.0620	0.0010
	<b>247</b>	-0.0070	0.0060	0.0070	0.0610	0.0050
	<b>248</b>	0.0030	0.0160	0.0090	0.0650	0.0170
	<b>249</b>	0.0050	-0.0020	-0.0110	0.0870	0.0110
	<b>Min</b>	-0.0170	-0.0020	-0.0110	0.0610	0.0010
	<b>Max</b>	0.0050	0.0160	0.0160	0.0870	0.0170
	<b>Mean</b>	-0.0040	0.0073	0.0053	0.0688	0.0085
	<b>Std. Dev</b>	0.0101	0.0075	0.0115	0.0123	0.0070
	<b>Mean - 3 Sigma</b>	-0.0344	-0.0151	-0.0293	0.0319	-0.0125
	<b>Mean + 3 Sigma</b>	0.0264	0.0296	0.0398	0.1056	0.0295

		INL Code 8				LSB
Wafer	SN	PRE	30k	50k	100k	24Hr
CTRL	246	-0.0080	0.0050	0.0080	0.0070	0.0090
9	252	-0.0170	0.0060	0.0150	0.0550	-0.0030
	247	-0.0160	0.0060	0.0000	0.0660	-0.0100
	248	-0.0070	0.0120	0.0030	0.0560	0.0060
	249	-0.0020	-0.0050	-0.0030	0.0920	0.0040
	Min	-0.0170	-0.0050	-0.0030	0.0550	-0.0100
	Max	-0.0020	0.0120	0.0150	0.0920	0.0060
	Mean	-0.0105	0.0048	0.0038	0.0673	-0.0008
	Std. Dev	0.0072	0.0071	0.0079	0.0172	0.0073
	Mean - 3 Sigma	-0.0322	-0.0165	-0.0199	0.0156	-0.0226
	Mean + 3 Sigma	0.0112	0.0260	0.0274	0.1189	0.0211

		INL Code 16				LSB
Wafer	SN	PRE	30k	50k	100k	24Hr
CTRL	246	0.0050	0.0030	0.0130	0.0080	0.0140
9	252	-0.0080	-0.0030	0.0050	0.0320	-0.0150
	247	-0.0250	-0.0140	-0.0270	0.0350	-0.0340
	248	-0.0050	0.0020	-0.0080	0.0560	-0.0160
	249	0.0000	-0.0030	-0.0130	0.0630	-0.0080
	Min	-0.0250	-0.0140	-0.0270	0.0320	-0.0340
	Max	0.0000	0.0020	0.0050	0.0630	-0.0080
	Mean	-0.0095	-0.0045	-0.0108	0.0465	-0.0183
	Std. Dev	0.0108	0.0068	0.0132	0.0153	0.0111
	Mean - 3 Sigma	-0.0420	-0.0248	-0.0504	0.0005	-0.0515
	Mean + 3 Sigma	0.0230	0.0158	0.0289	0.0925	0.0150

		INL Code 32				LSB
Wafer	SN	PRE	30k	50k	100k	24Hr
CTRL	246	0.0100	0.0120	0.0250	0.0160	0.0140
9	252	-0.0110	-0.0050	0.0000	0.0450	-0.0230
	247	0.0020	0.0030	-0.0080	0.0380	-0.0260
	248	0.0190	0.0080	0.0010	0.0620	-0.0130
	249	0.0070	-0.0140	-0.0260	0.0660	-0.0210
	Min	-0.0110	-0.0140	-0.0260	0.0380	-0.0260
	Max	0.0190	0.0080	0.0010	0.0660	-0.0130
	Mean	0.0043	-0.0020	-0.0083	0.0528	-0.0208
	Std. Dev	0.0124	0.0096	0.0125	0.0134	0.0056
	Mean - 3 Sigma	-0.0330	-0.0309	-0.0458	0.0125	-0.0374
	Mean + 3 Sigma	0.0415	0.0269	0.0293	0.0930	-0.0041

		INL Code 64				LSB
Wafer	SN	PRE	30k	50k	100k	24Hr
CTRL	246	0.0120	0.0220	0.0250	0.0230	0.0170
9	252	-0.0030	-0.0020	0.0190	0.0430	-0.0160
	247	-0.0140	0.0000	-0.0210	0.0370	-0.0330
	248	0.0100	0.0130	-0.0050	0.0450	-0.0160
	249	0.0150	-0.0070	-0.0230	0.0700	-0.0270
	Min	-0.0140	-0.0070	-0.0230	0.0370	-0.0330
	Max	0.0150	0.0130	0.0190	0.0700	-0.0160
	Mean	0.0020	0.0010	-0.0075	0.0488	-0.0230
	Std. Dev	0.0131	0.0085	0.0194	0.0146	0.0084
	Mean - 3 Sigma	-0.0373	-0.0246	-0.0657	0.0050	-0.0483
	Mean + 3 Sigma	0.0413	0.0266	0.0507	0.0925	0.0023

		INL Code 128				LSB
Wafer	SN	PRE	30k	50k	100k	24Hr
<b>CTRL</b>	<b>246</b>	<b>0.0380</b>	<b>0.0400</b>	<b>0.0440</b>	<b>0.0480</b>	<b>0.0500</b>
<b>9</b>	<b>252</b>	0.0250	0.0390	0.0530	0.0930	0.0240
	<b>247</b>	0.0040	0.0190	0.0030	0.0630	-0.0160
	<b>248</b>	0.0320	0.0290	0.0330	0.0820	0.0000
	<b>249</b>	0.0280	0.0200	-0.0020	0.1030	-0.0030
	<b>Min</b>	0.0040	0.0190	-0.0020	0.0630	-0.0160
	<b>Max</b>	0.0320	0.0390	0.0530	0.1030	0.0240
	<b>Mean</b>	0.0223	0.0268	0.0218	0.0853	0.0013
	<b>Std. Dev</b>	0.0125	0.0093	0.0259	0.0171	0.0167
	<b>Mean - 3 Sigma</b>	-0.0153	-0.0012	-0.0561	0.0338	-0.0488
	<b>Mean + 3 Sigma</b>	0.0598	0.0547	0.0996	0.1367	0.0513

		INL Code 256				LSB
Wafer	SN	PRE	30k	50k	100k	24Hr
<b>CTRL</b>	<b>246</b>	<b>-0.0280</b>	<b>-0.0060</b>	<b>-0.0040</b>	<b>-0.0250</b>	<b>-0.0040</b>
<b>9</b>	<b>252</b>	-0.0690	-0.0490	-0.0410	0.0240	-0.0490
	<b>247</b>	-0.0460	-0.0140	-0.0350	0.0550	-0.0380
	<b>248</b>	-0.0350	-0.0210	-0.0180	0.0500	-0.0290
	<b>249</b>	-0.0290	-0.0450	-0.0570	0.0500	-0.0670
	<b>Min</b>	-0.0690	-0.0490	-0.0570	0.0240	-0.0670
	<b>Max</b>	-0.0290	-0.0140	-0.0180	0.0550	-0.0290
	<b>Mean</b>	-0.0448	-0.0323	-0.0378	0.0448	-0.0458
	<b>Std. Dev</b>	0.0176	0.0173	0.0161	0.0140	0.0164
	<b>Mean - 3 Sigma</b>	-0.0976	-0.0843	-0.0861	0.0027	-0.0948
	<b>Mean + 3 Sigma</b>	0.0081	0.0198	0.0106	0.0868	0.0033

		INL Code 512				LSB
Wafer	SN	PRE	30k	50k	100k	24Hr
<b>CTRL</b>	<b>246</b>	<b>-0.0640</b>	<b>-0.0170</b>	<b>-0.0480</b>	<b>-0.0480</b>	<b>-0.0480</b>
<b>9</b>	<b>252</b>	-0.0790	-0.0800	-0.1000	-0.1110	-0.1690
	<b>247</b>	-0.0850	-0.0720	-0.1170	-0.0800	-0.1680
	<b>248</b>	-0.1080	-0.0820	-0.1260	-0.0930	-0.1840
	<b>249</b>	-0.0690	-0.0780	-0.1370	-0.0740	-0.1910
	<b>Min</b>	-0.1080	-0.0820	-0.1370	-0.1110	-0.1910
	<b>Max</b>	-0.0690	-0.0720	-0.1000	-0.0740	-0.1680
	<b>Mean</b>	-0.0853	-0.0780	-0.1200	-0.0895	-0.1780
	<b>Std. Dev</b>	0.0165	0.0043	0.0156	0.0164	0.0113
	<b>Mean - 3 Sigma</b>	-0.1349	-0.0910	-0.1669	-0.1386	-0.2120
	<b>Mean + 3 Sigma</b>	-0.0356	-0.0650	-0.0731	-0.0404	-0.1440

		INL Code 768				LSB
Wafer	SN	PRE	30k	50k	100k	24Hr
<b>CTRL</b>	<b>246</b>	<b>-0.0870</b>	<b>-0.0560</b>	<b>-0.0740</b>	<b>-0.0780</b>	<b>-0.0770</b>
<b>9</b>	<b>252</b>	-0.1480	-0.1400	-0.1600	-0.1720	-0.2340
	<b>247</b>	-0.1110	-0.0960	-0.1520	-0.1200	-0.2110
	<b>248</b>	-0.1560	-0.1110	-0.1640	-0.1270	-0.2290
	<b>249</b>	-0.0850	-0.1350	-0.1870	-0.1250	-0.2760
	<b>Min</b>	-0.1560	-0.1400	-0.1870	-0.1720	-0.2760
	<b>Max</b>	-0.0850	-0.0960	-0.1520	-0.1200	-0.2110
	<b>Mean</b>	-0.1250	-0.1205	-0.1658	-0.1360	-0.2375
	<b>Std. Dev</b>	0.0331	0.0207	0.0150	0.0242	0.0275
	<b>Mean - 3 Sigma</b>	-0.2243	-0.1825	-0.2108	-0.2085	-0.3200
	<b>Mean + 3 Sigma</b>	-0.0257	-0.0585	-0.1207	-0.0635	-0.1550



		INL Code 1 024				LSB
Wafer	SN	PRE	30k	50k	100k	24Hr
CTRL	246	0.0150	0.0590	0.0580	0.0260	0.0350
9	252	0.0050	0.0100	0.0430	0.1020	0.0410
	247	0.0790	0.1050	0.0680	0.2000	0.1140
	248	0.0630	0.1250	0.1170	0.2370	0.1570
	249	0.0930	0.1060	0.0990	0.2860	0.1440
	Min	0.0050	0.0100	0.0430	0.1020	0.0410
	Max	0.0930	0.1250	0.1170	0.2860	0.1570
	Mean	0.0600	0.0865	0.0818	0.2063	0.1140
	Std. Dev	0.0387	0.0518	0.0328	0.0779	0.0519
	Mean - 3 Sigma	-0.0560	-0.0690	-0.0167	-0.0275	-0.0417
	Mean + 3 Sigma	0.1760	0.2420	0.1802	0.4400	0.2697

		INL Code 1280				LSB
Wafer	SN	PRE	30k	50k	100k	24Hr
CTRL	246	-0.0270	0.0330	0.0160	-0.0030	0.0110
9	252	-0.0650	-0.0420	-0.0150	0.0500	-0.0350
	247	0.0340	0.0690	0.0370	0.1530	0.0590
	248	0.0030	0.1020	0.0700	0.2050	0.1120
	249	0.0470	0.0690	0.0330	0.2260	0.0670
	Min	-0.0650	-0.0420	-0.0150	0.0500	-0.0350
	Max	0.0470	0.1020	0.0700	0.2260	0.1120
	Mean	0.0048	0.0495	0.0313	0.1585	0.0508
	Std. Dev	0.0500	0.0630	0.0350	0.0786	0.0617
	Mean - 3 Sigma	-0.1453	-0.1394	-0.0738	-0.0772	-0.1345
	Mean + 3 Sigma	0.1548	0.2384	0.1363	0.3942	0.2360

		INL Code 1536				LSB
Wafer	SN	PRE	30k	50k	100k	24Hr
CTRL	246	-0.0470	0.0210	-0.0170	-0.0180	-0.0400
9	252	-0.0820	-0.0760	-0.0910	-0.0690	-0.1350
	247	-0.0040	0.0080	-0.0660	0.0380	-0.0720
	248	-0.0630	0.0260	-0.0180	0.0730	-0.0480
	249	0.0180	0.0190	-0.0520	0.1160	-0.0810
	Min	-0.0820	-0.0760	-0.0910	-0.0690	-0.1350
	Max	0.0180	0.0260	-0.0180	0.1160	-0.0480
	Mean	-0.0328	-0.0058	-0.0568	0.0395	-0.0840
	Std. Dev	0.0474	0.0474	0.0305	0.0791	0.0367
	Mean - 3 Sigma	-0.1750	-0.1480	-0.1481	-0.1977	-0.1942
	Mean + 3 Sigma	0.1095	0.1365	0.0346	0.2767	0.0262

		INL Code 1792				LSB
Wafer	SN	PRE	30k	50k	100k	24Hr
CTRL	246	-0.0890	-0.0120	-0.0460	-0.0570	-0.0670
9	252	-0.1480	-0.1260	-0.1550	-0.1360	-0.2220
	247	-0.0440	-0.0200	-0.0840	-0.0070	-0.1260
	248	-0.1260	-0.0210	-0.0730	0.0380	-0.0910
	249	-0.0130	-0.0210	-0.1080	0.0650	-0.1500
	Min	-0.1480	-0.1260	-0.1550	-0.1360	-0.2220
	Max	-0.0130	-0.0200	-0.0730	0.0650	-0.0910
	Mean	-0.0828	-0.0470	-0.1050	-0.0100	-0.1473
	Std. Dev	0.0645	0.0527	0.0364	0.0891	0.0554
	Mean - 3 Sigma	-0.2764	-0.2050	-0.2142	-0.2773	-0.3135
	Mean + 3 Sigma	0.1109	0.1110	0.0042	0.2573	0.0190

		INL Code 2048				LSB
Wafer	SN	PRE	30k	50k	100k	24Hr
CTRL	246	-0.0080	0.0670	0.0420	0.0180	0.0040
9	252	0.0830	0.1030	0.2040	0.4000	0.3920
	247	0.0620	0.1350	0.1820	0.4000	0.3620
	248	-0.0830	0.1070	0.1440	0.4000	0.3320
	249	0.0340	0.1260	0.1620	0.5000	0.3140
	Min	-0.0830	0.1030	0.1440	0.4000	0.3140
	Max	0.0830	0.1350	0.2040	0.5000	0.3920
	Mean	0.0240	0.1178	0.1730	0.4250	0.3500
	Std. Dev	0.0741	0.0153	0.0258	0.0500	0.0343
	Mean - 3 Sigma	-0.1983	0.0720	0.0955	0.2750	0.2471
	Mean + 3 Sigma	0.2463	0.1635	0.2505	0.5750	0.4529

		INL Code 2304				LSB
Wafer	SN	PRE	30k	50k	100k	24Hr
CTRL	246	-0.0490	0.0210	0.0100	-0.0290	-0.0290
9	252	0.0300	0.0400	0.1310	0.3000	0.3000
	247	0.0350	0.0960	0.1270	0.4000	0.3130
	248	-0.1550	0.0680	0.0970	0.4000	0.2610
	249	0.0000	0.0760	0.0970	0.5000	0.2150
	Min	-0.1550	0.0400	0.0970	0.3000	0.2150
	Max	0.0350	0.0960	0.1310	0.5000	0.3130
	Mean	-0.0225	0.0700	0.1130	0.4000	0.2723
	Std. Dev	0.0897	0.0232	0.0185	0.0816	0.0441
	Mean - 3 Sigma	-0.2915	0.0004	0.0574	0.1551	0.1399
	Mean + 3 Sigma	0.2465	0.1396	0.1686	0.6449	0.4046

		INL Code 2560				LSB
Wafer	SN	PRE	30k	50k	100k	24Hr
CTRL	246	-0.0590	0.0030	-0.0150	-0.0480	-0.0640
9	252	-0.0010	0.0000	0.0580	0.2540	0.1750
	247	-0.0260	0.0230	0.0250	0.3260	0.1890
	248	-0.2180	0.0000	-0.0040	0.2820	0.1180
	249	-0.0400	0.0280	0.0080	0.4000	0.0840
	Min	-0.2180	0.0000	-0.0040	0.2540	0.0840
	Max	-0.0010	0.0280	0.0580	0.4000	0.1890
	Mean	-0.0713	0.0128	0.0218	0.3155	0.1415
	Std. Dev	0.0992	0.0149	0.0269	0.0637	0.0491
	Mean - 3 Sigma	-0.3687	-0.0318	-0.0591	0.1245	-0.0058
	Mean + 3 Sigma	0.2262	0.0573	0.1026	0.5065	0.2888

		INL Code 2816				LSB
Wafer	SN	PRE	30k	50k	100k	24Hr
CTRL	246	-0.1130	-0.0310	-0.0780	-0.1020	-0.0980
9	252	-0.0500	-0.0580	-0.0120	0.1980	0.1090
	247	-0.0620	0.0040	-0.0080	0.2940	0.1450
	248	-0.2890	-0.0500	-0.0550	0.2260	0.0670
	249	-0.0690	-0.0190	-0.0460	0.3330	0.0040
	Min	-0.2890	-0.0580	-0.0550	0.1980	0.0040
	Max	-0.0500	0.0040	-0.0080	0.3330	0.1450
	Mean	-0.1175	-0.0308	-0.0303	0.2628	0.0813
	Std. Dev	0.1146	0.0286	0.0237	0.0618	0.0606
	Mean - 3 Sigma	-0.4613	-0.1166	-0.1014	0.0774	-0.1004
	Mean + 3 Sigma	0.2263	0.0551	0.0409	0.4481	0.2629

		INL Code 3072				LSB
Wafer	SN	PRE	30k	50k	100k	24Hr
<b>CTRL</b>	<b>246</b>	<b>0.0010</b>	<b>0.0810</b>	<b>0.0590</b>	<b>0.0100</b>	<b>0.0090</b>
<b>9</b>	<b>252</b>	0.0840	0.0900	0.1780	0.4000	0.3810
	<b>247</b>	0.1260	0.1830	0.2240	0.6000	0.4490
	<b>248</b>	-0.0980	0.1810	0.2250	0.6000	0.4550
	<b>249</b>	0.1060	0.2160	0.2280	0.7000	0.4270
	<b>Min</b>	-0.0980	0.0900	0.1780	0.4000	0.3810
	<b>Max</b>	0.1260	0.2160	0.2280	0.7000	0.4550
	<b>Mean</b>	0.0545	0.1675	0.2138	0.5750	0.4280
	<b>Std. Dev</b>	0.1031	0.0541	0.0239	0.1258	0.0336
	<b>Mean - 3 Sigma</b>	-0.2548	0.0052	0.1421	0.1975	0.3273
	<b>Mean + 3 Sigma</b>	0.3638	0.3298	0.2854	0.9525	0.5287

		INL Code 3328				LSB
Wafer	SN	PRE	30k	50k	100k	24Hr
<b>CTRL</b>	<b>246</b>	<b>-0.0510</b>	<b>0.0460</b>	<b>0.0190</b>	<b>-0.0360</b>	<b>-0.0300</b>
<b>9</b>	<b>252</b>	0.0100	0.0430	0.1220	0.4000	0.3030
	<b>247</b>	0.0780	0.1780	0.1750	0.5000	0.3940
	<b>248</b>	-0.1790	0.1360	0.1740	0.5000	0.3790
	<b>249</b>	0.0620	0.1680	0.1560	0.6000	0.3270
	<b>Min</b>	-0.1790	0.0430	0.1220	0.4000	0.3030
	<b>Max</b>	0.0780	0.1780	0.1750	0.6000	0.3940
	<b>Mean</b>	-0.0073	0.1313	0.1568	0.5000	0.3508
	<b>Std. Dev</b>	0.1181	0.0615	0.0248	0.0816	0.0429
	<b>Mean - 3 Sigma</b>	-0.3616	-0.0532	0.0825	0.2551	0.2221
	<b>Mean + 3 Sigma</b>	0.3471	0.3158	0.2310	0.7449	0.4794

		INL Code 3584				LSB
Wafer	SN	PRE	30k	50k	100k	24Hr
<b>CTRL</b>	<b>246</b>	<b>-0.0940</b>	<b>0.0270</b>	<b>-0.0240</b>	<b>-0.0790</b>	<b>-0.0740</b>
<b>9</b>	<b>252</b>	-0.0110	-0.0210	0.0410	0.2840	0.1840
	<b>247</b>	0.0310	0.0990	0.0650	0.4000	0.2750
	<b>248</b>	-0.2640	0.0760	0.0830	0.4000	0.2360
	<b>249</b>	0.0170	0.1160	0.0790	0.5000	0.1900
	<b>Min</b>	-0.2640	-0.0210	0.0410	0.2840	0.1840
	<b>Max</b>	0.0310	0.1160	0.0830	0.5000	0.2750
	<b>Mean</b>	-0.0568	0.0675	0.0670	0.3960	0.2213
	<b>Std. Dev</b>	0.1393	0.0612	0.0190	0.0883	0.0427
	<b>Mean - 3 Sigma</b>	-0.4745	-0.1162	0.0101	0.1311	0.0931
	<b>Mean + 3 Sigma</b>	0.3610	0.2512	0.1239	0.6609	0.3494

		INL Code 3840				LSB
Wafer	SN	PRE	30k	50k	100k	24Hr
<b>CTRL</b>	<b>246</b>	<b>-0.1420</b>	<b>0.0160</b>	<b>-0.0720</b>	<b>-0.1060</b>	<b>-0.0970</b>
<b>9</b>	<b>252</b>	-0.0770	-0.0740	-0.0170	0.1980	0.1140
	<b>247</b>	-0.0110	0.0660	0.0300	0.3000	0.1980
	<b>248</b>	-0.3340	0.0300	0.0250	0.3000	0.1540
	<b>249</b>	-0.0150	0.0630	0.0000	0.4000	0.1050
	<b>Min</b>	-0.3340	-0.0740	-0.0170	0.1980	0.1050
	<b>Max</b>	-0.0110	0.0660	0.0300	0.4000	0.1980
	<b>Mean</b>	-0.1093	0.0213	0.0095	0.2995	0.1428
	<b>Std. Dev</b>	0.1528	0.0656	0.0220	0.0825	0.0425
	<b>Mean - 3 Sigma</b>	-0.5678	-0.1754	-0.0565	0.0521	0.0151
	<b>Mean + 3 Sigma</b>	0.3493	0.2179	0.0755	0.5469	0.2704

		DNL Code 2048 to 2047				LSB
Wafer	SN	PRE	30k	50k	100k	24Hr
<b>CTRL</b>	<b>246</b>	<b>0.0270</b>	<b>0.0450</b>	<b>0.0510</b>	<b>0.0350</b>	<b>0.0540</b>
<b>9</b>	<b>252</b>	0.2050	0.2610	0.3990	0.6930	0.6970
	<b>247</b>	0.1280	0.2370	0.4010	0.6940	0.6470
	<b>248</b>	0.0190	0.1350	0.2780	0.5660	0.5530
	<b>249</b>	0.0290	0.1760	0.3510	0.6990	0.6040
	<b>Min</b>	0.0190	0.1350	0.2780	0.5660	0.5530
	<b>Max</b>	0.2050	0.2610	0.4010	0.6990	0.6970
	<b>Mean</b>	0.0953	0.2023	0.3573	0.6630	0.6253
	<b>Std. Dev</b>	0.0882	0.0574	0.0577	0.0647	0.0614
	<b>Mean - 3 Sigma</b>	-0.1693	0.0302	0.1842	0.4688	0.4412
	<b>Mean + 3 Sigma</b>	0.3598	0.3743	0.5303	0.8572	0.8093

		DNL Code 1024 to 1023				LSB
Wafer	SN	PRE	30k	50k	100k	24Hr
<b>CTRL</b>	<b>246</b>	<b>0.0660</b>	<b>0.0660</b>	<b>0.0850</b>	<b>0.0660</b>	<b>0.0780</b>
<b>9</b>	<b>252</b>	0.1190	0.1630	0.2410	0.3850	0.3780
	<b>247</b>	0.2000	0.2600	0.3380	0.5110	0.4870
	<b>248</b>	0.1940	0.2520	0.3440	0.5000	0.5010
	<b>249</b>	0.1590	0.2570	0.3750	0.5840	0.5660
	<b>Min</b>	0.1190	0.1630	0.2410	0.3850	0.3780
	<b>Max</b>	0.2000	0.2600	0.3750	0.5840	0.5660
	<b>Mean</b>	0.1680	0.2330	0.3245	0.4950	0.4830
	<b>Std. Dev</b>	0.0373	0.0468	0.0580	0.0823	0.0780
	<b>Mean - 3 Sigma</b>	0.0560	0.0927	0.1506	0.2482	0.2490
	<b>Mean + 3 Sigma</b>	0.2800	0.3733	0.4984	0.7418	0.7170

		DNL Code 512 to 511				LSB
Wafer	SN	PRE	30k	50k	100k	24Hr
<b>CTRL</b>	<b>246</b>	<b>-0.0720</b>	<b>-0.0790</b>	<b>-0.0680</b>	<b>-0.0730</b>	<b>-0.0760</b>
<b>9</b>	<b>252</b>	-0.0500	-0.0330	-0.0270	-0.0030	-0.0160
	<b>247</b>	-0.0330	0.0070	0.0080	0.0540	0.0460
	<b>248</b>	-0.0980	-0.0620	-0.0530	-0.0110	-0.0190
	<b>249</b>	-0.0670	-0.0240	0.0000	0.0510	0.0110
	<b>Min</b>	-0.0980	-0.0620	-0.0530	-0.0110	-0.0190
	<b>Max</b>	-0.0330	0.0070	0.0080	0.0540	0.0460
	<b>Mean</b>	-0.0620	-0.0280	-0.0180	0.0228	0.0055
	<b>Std. Dev</b>	0.0277	0.0284	0.0277	0.0345	0.0302
	<b>Mean - 3 Sigma</b>	-0.1452	-0.1132	-0.1012	-0.0808	-0.0850
	<b>Mean + 3 Sigma</b>	0.0212	0.0572	0.0652	0.1263	0.0960

		DNL Code 256 to 255				LSB
Wafer	SN	PRE	30k	50k	100k	24Hr
<b>CTRL</b>	<b>246</b>	<b>-0.0810</b>	<b>-0.0860</b>	<b>-0.0770</b>	<b>-0.0780</b>	<b>-0.0790</b>
<b>9</b>	<b>252</b>	-0.0880	-0.0450	-0.0120	0.0590	0.0360
	<b>247</b>	-0.0270	0.0300	0.0710	0.1480	0.1150
	<b>248</b>	-0.0790	-0.0320	0.0090	0.0980	0.0720
	<b>249</b>	-0.0730	-0.0130	0.0150	0.1030	0.0450
	<b>Min</b>	-0.0880	-0.0450	-0.0120	0.0590	0.0360
	<b>Max</b>	-0.0270	0.0300	0.0710	0.1480	0.1150
	<b>Mean</b>	-0.0668	-0.0150	0.0208	0.1020	0.0670
	<b>Std. Dev</b>	0.0272	0.0328	0.0354	0.0364	0.0355
	<b>Mean - 3 Sigma</b>	-0.1484	-0.1133	-0.0856	-0.0073	-0.0394
	<b>Mean + 3 Sigma</b>	0.0149	0.0833	0.1271	0.2113	0.1734

		DNL Code 128 to 127				LSB
Wafer	SN	PRE	30k	50k	100k	24Hr
CTRL	246	0.0180	0.0270	0.0200	0.0180	0.0180
9	252	0.0520	0.0840	0.1020	0.1430	0.1230
	247	0.0280	0.0560	0.0800	0.1330	0.1040
	248	0.0150	0.0540	0.0750	0.1200	0.1040
	249	0.0240	0.0550	0.0720	0.1150	0.0910
	Min	0.0150	0.0540	0.0720	0.1150	0.0910
	Max	0.0520	0.0840	0.1020	0.1430	0.1230
	Mean	0.0298	0.0623	0.0823	0.1278	0.1055
	Std. Dev	0.0158	0.0145	0.0136	0.0127	0.0132
	Mean - 3 Sigma	-0.0176	0.0187	0.0415	0.0897	0.0660
	Mean + 3 Sigma	0.0771	0.1058	0.1230	0.1658	0.1450

		DNL Code 64 to 63				LSB
Wafer	SN	PRE	30k	50k	100k	24Hr
CTRL	246	0.0140	0.0040	0.0020	0.0080	0.0000
9	252	0.0200	0.0320	0.0400	0.0550	0.0510
	247	0.0190	0.0310	0.0310	0.0530	0.0490
	248	0.0150	0.0130	0.0250	0.0390	0.0260
	249	0.0040	0.0170	0.0280	0.0430	0.0350
	Min	0.0040	0.0130	0.0250	0.0390	0.0260
	Max	0.0200	0.0320	0.0400	0.0550	0.0510
	Mean	0.0145	0.0233	0.0310	0.0475	0.0403
	Std. Dev	0.0073	0.0097	0.0065	0.0077	0.0119
	Mean - 3 Sigma	-0.0075	-0.0058	0.0116	0.0243	0.0046
	Mean + 3 Sigma	0.0365	0.0523	0.0504	0.0707	0.0759

		DNL Code 32 to 31				LSB
Wafer	SN	PRE	30k	50k	100k	24Hr
CTRL	246	0.0060	0.0090	0.0100	0.0050	0.0100
9	252	0.0120	0.0110	0.0160	0.0050	0.0090
	247	0.0280	0.0290	0.0190	0.0160	0.0270
	248	0.0210	0.0220	0.0170	0.0140	0.0280
	249	0.0150	0.0010	0.0110	0.0010	0.0090
	Min	0.0120	0.0010	0.0110	0.0010	0.0090
	Max	0.0280	0.0290	0.0190	0.0160	0.0280
	Mean	0.0190	0.0158	0.0158	0.0090	0.0183
	Std. Dev	0.0071	0.0123	0.0034	0.0072	0.0107
	Mean - 3 Sigma	-0.0022	-0.0212	0.0055	-0.0125	-0.0138
	Mean + 3 Sigma	0.0402	0.0527	0.0260	0.0305	0.0503

		DNL Code 16 to 15				LSB
Wafer	SN	PRE	30k	50k	100k	24Hr
CTRL	246	0.0090	0.0020	-0.0020	0.0070	0.0000
9	252	0.0070	-0.0040	-0.0110	-0.0200	-0.0110
	247	-0.0070	-0.0200	-0.0240	-0.0350	-0.0320
	248	0.0030	-0.0030	-0.0070	-0.0260	-0.0110
	249	0.0050	-0.0080	-0.0120	-0.0260	-0.0160
	Min	-0.0070	-0.0200	-0.0240	-0.0350	-0.0320
	Max	0.0070	-0.0030	-0.0070	-0.0200	-0.0110
	Mean	0.0020	-0.0088	-0.0135	-0.0268	-0.0175
	Std. Dev	0.0062	0.0078	0.0073	0.0062	0.0099
	Mean - 3 Sigma	-0.0167	-0.0322	-0.0355	-0.0453	-0.0473
	Mean + 3 Sigma	0.0207	0.0147	0.0085	-0.0082	0.0123

		DNL Code 8 to 7				LSB
Wafer	SN	PRE	30k	50k	100k	24Hr
CTRL	246	-0.0070	-0.0050	-0.0080	-0.0010	-0.0030
9	252	-0.0150	-0.0100	-0.0090	-0.0160	-0.0040
	247	-0.0170	-0.0140	-0.0180	-0.0100	-0.0200
	248	-0.0070	-0.0080	-0.0120	-0.0030	-0.0140
	249	0.0040	0.0090	0.0050	0.0040	0.0030
	Min	-0.0170	-0.0140	-0.0180	-0.0160	-0.0200
	Max	0.0040	0.0090	0.0050	0.0040	0.0030
	Mean	-0.0088	-0.0058	-0.0085	-0.0063	-0.0088
	Std. Dev	0.0095	0.0101	0.0097	0.0087	0.0102
	Mean - 3 Sigma	-0.0374	-0.0362	-0.0377	-0.0322	-0.0395
	Mean + 3 Sigma	0.0199	0.0247	0.0207	0.0197	0.0220

		DNL Code 4 to 3				LSB
Wafer	SN	PRE	30k	50k	100k	24Hr
CTRL	246	-0.0020	0.0070	-0.0070	0.0050	0.0000
9	252	-0.0110	0.0000	-0.0100	-0.0050	0.0010
	247	-0.0120	0.0000	-0.0100	-0.0060	-0.0140
	248	-0.0070	-0.0050	-0.0080	-0.0050	-0.0070
	249	-0.0020	0.0020	-0.0020	0.0120	0.0040
	Min	-0.0120	-0.0050	-0.0100	-0.0060	-0.0140
	Max	-0.0020	0.0020	-0.0020	0.0120	0.0040
	Mean	-0.0080	-0.0008	-0.0075	-0.0010	-0.0040
	Std. Dev	0.0045	0.0030	0.0038	0.0087	0.0081
	Mean - 3 Sigma	-0.0216	-0.0097	-0.0189	-0.0270	-0.0284
	Mean + 3 Sigma	0.0056	0.0082	0.0039	0.0250	0.0204

		DNL Code 2 to 1				LSB
Wafer	SN	PRE	30k	50k	100k	24Hr
CTRL	246	0.0030	-0.0020	0.0000	0.0000	0.0000
9	252	-0.0060	0.0000	-0.0110	-0.0070	-0.0090
	247	0.0000	0.0000	-0.0050	-0.0130	-0.0020
	248	0.0030	0.0000	0.0040	-0.0030	0.0020
	249	-0.0030	-0.0010	0.0010	0.0000	-0.0030
	Min	-0.0060	-0.0010	-0.0110	-0.0130	-0.0090
	Max	0.0030	0.0000	0.0040	0.0000	0.0020
	Mean	-0.0015	-0.0003	-0.0028	-0.0058	-0.0030
	Std. Dev	0.0039	0.0005	0.0067	0.0056	0.0045
	Mean - 3 Sigma	-0.0131	-0.0018	-0.0227	-0.0226	-0.0166
	Mean + 3 Sigma	0.0101	0.0013	0.0172	0.0111	0.0106

		DNL Code 1 to 0				LSB
Wafer	SN	PRE	30k	50k	100k	24Hr
CTRL	246	-0.0060	-0.0140	-0.0120	-0.0130	-0.0110
9	252	-0.0100	-0.0180	0.0000	-0.0070	-0.0080
	247	-0.0080	-0.0030	0.0020	-0.0060	0.0000
	248	-0.0090	-0.0050	-0.0050	-0.0110	-0.0030
	249	-0.0120	-0.0040	-0.0100	-0.0090	-0.0190
	Min	-0.0120	-0.0180	-0.0100	-0.0110	-0.0190
	Max	-0.0080	-0.0030	0.0020	-0.0060	0.0000
	Mean	-0.0098	-0.0075	-0.0033	-0.0083	-0.0075
	Std. Dev	0.0017	0.0070	0.0054	0.0022	0.0083
	Mean - 3 Sigma	-0.0149	-0.0286	-0.0194	-0.0149	-0.0325
	Mean + 3 Sigma	-0.0046	0.0136	0.0129	-0.0016	0.0175

		+Iout Vout=5V				mA
Wafer	SN	PRE	30k	50k	100k	24Hr
<b>CTRL</b>	<b>246</b>	<b>0.0150</b>	<b>0.0270</b>	<b>0.0160</b>	<b>0.0220</b>	<b>0.0280</b>
<b>9</b>	<b>252</b>	0.0190	0.0310	0.0180	0.0200	0.0190
	<b>247</b>	0.0240	0.0150	0.0250	0.0250	0.0180
	<b>248</b>	0.0320	0.0300	0.0290	0.0220	0.0360
	<b>249</b>	0.0280	0.0280	0.0310	0.0270	0.0230
	<b>Min</b>	0.0190	0.0150	0.0180	0.0200	0.0180
	<b>Max</b>	0.0320	0.0310	0.0310	0.0270	0.0360
	<b>Mean</b>	0.0258	0.0260	0.0258	0.0235	0.0240
	<b>Std. Dev</b>	0.0056	0.0074	0.0057	0.0031	0.0083
	<b>Mean - 3 Sigma</b>	0.0091	0.0037	0.0085	0.0142	-0.0009
	<b>Mean + 3 Sigma</b>	0.0424	0.0483	0.0430	0.0328	0.0489

		-Iout Vout=5V				mA
Wafer	SN	PRE	30k	50k	100k	24Hr
<b>CTRL</b>	<b>246</b>	<b>-0.0260</b>	<b>-0.0130</b>	<b>-0.0310</b>	<b>-0.0250</b>	<b>-0.0250</b>
<b>9</b>	<b>252</b>	-0.0130	-0.0270	-0.0310	-0.0250	-0.0310
	<b>247</b>	-0.0420	-0.0290	-0.0320	-0.0400	-0.0180
	<b>248</b>	-0.0310	-0.0290	-0.0300	-0.0190	-0.0220
	<b>249</b>	-0.0440	-0.0310	-0.0260	-0.0280	-0.0300
	<b>Min</b>	-0.0440	-0.0310	-0.0320	-0.0400	-0.0310
	<b>Max</b>	-0.0130	-0.0270	-0.0260	-0.0190	-0.0180
	<b>Mean</b>	-0.0325	-0.0290	-0.0298	-0.0280	-0.0253
	<b>Std. Dev</b>	0.0142	0.0016	0.0026	0.0088	0.0063
	<b>Mean - 3 Sigma</b>	-0.0751	-0.0339	-0.0376	-0.0545	-0.0441
	<b>Mean + 3 Sigma</b>	0.0101	-0.0241	-0.0219	-0.0015	-0.0064

		Iosc				mA
Wafer	SN	PRE	30k	50k	100k	24Hr
<b>CTRL</b>	<b>246</b>	<b>27.2200</b>	<b>27.2260</b>	<b>26.9250</b>	<b>27.2180</b>	<b>27.0730</b>
<b>9</b>	<b>252</b>	27.0820	27.1900	27.0650	27.3030	26.8320
	<b>247</b>	27.5020	27.2570	27.0420	27.4010	26.8130
	<b>248</b>	27.6980	27.3590	27.1790	27.4830	27.0260
	<b>249</b>	27.5770	27.2530	27.1070	27.3950	26.8880
	<b>Min</b>	27.0820	27.1900	27.0420	27.3030	26.8130
	<b>Max</b>	27.6980	27.3590	27.1790	27.4830	27.0260
	<b>Mean</b>	27.4648	27.2648	27.0983	27.3955	26.8898
	<b>Std. Dev</b>	0.2676	0.0699	0.0602	0.0736	0.0963
	<b>Mean - 3 Sigma</b>	26.6618	27.0550	26.9177	27.1748	26.6010
	<b>Mean + 3 Sigma</b>	28.2677	27.4745	27.2788	27.6162	27.1785

		Vout				V
Wafer	SN	PRE	30k	50k	100k	24Hr
<b>CTRL</b>	<b>246</b>	<b>9.9930</b>	<b>9.9950</b>	<b>9.9930</b>	<b>9.9930</b>	<b>9.9920</b>
<b>9</b>	<b>252</b>	9.9930	9.9940	9.9950	10.0020	9.9940
	<b>247</b>	9.9900	9.9910	9.9900	10.0090	9.9890
	<b>248</b>	9.9910	9.9960	9.9940	10.0080	9.9950
	<b>249</b>	9.9980	9.9990	9.9970	10.0070	9.9970
	<b>Min</b>	9.9900	9.9910	9.9900	10.0020	9.9890
	<b>Max</b>	9.9980	9.9990	9.9970	10.0090	9.9970
	<b>Mean</b>	9.9930	9.9950	9.9940	10.0065	9.9938
	<b>Std. Dev</b>	0.0036	0.0034	0.0029	0.0031	0.0034
	<b>Mean - 3 Sigma</b>	9.9823	9.9849	9.9852	9.9972	9.9835
	<b>Mean + 3 Sigma</b>	10.0037	10.0051	10.0028	10.0158	10.0040





























