



AHEAD OF WHAT'S POSSIBLE™

# HIGH DOSE RADIATION TEST REPORT AD847S

*February 2008*  
Generic



Radiation Test Report	
Product:	AD847S
Gamma:	0, 30k, 50k, 100k, 24HR
Gamma Source:	Co60/TM1019 Condition A
Dose Rate:	119 Rad/s
Facilities:	U Mass Lowell
Tested:	February 28th, 2008

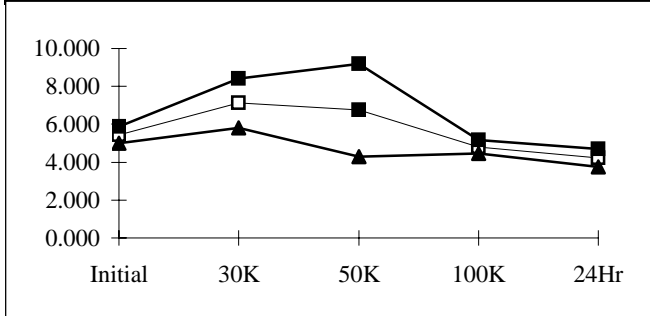
The RADTEST® DATA SERVICE is a compilation of radiation test results on Analog Devices' Space grade products. It is designed to assist customers in selecting the right product for applications where radiation is a consideration. Many products manufactured by Analog Devices, Inc. have been shown to be radiation tolerant to most tactical radiation environments. Analog Devices, Inc. does not make any claim to maintain or guarantee these levels of radiation tolerance without lot qualification test.

It is the responsibility of the Procuring Activity to screen products from Analog Devices, Inc. for compliance to Nuclear Hardness Critical Items (HCI) specifications.

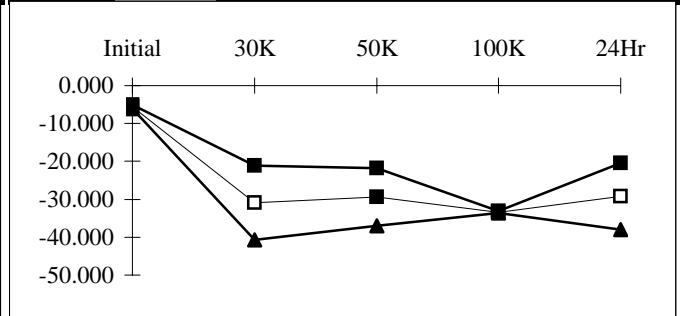
### **Warning:**

Analog Devices, Inc. does not recommend use of this data to qualify other product grades or process levels. Analog Devices, Inc. is not responsible and has no liability for any consequences, and all applicable Warranties are null and void if any Analog Devices product is modified in any way or used outside of normal environmental and operating conditions, including the parameters specified in the corresponding data sheet. Analog Devices, Inc. does not guarantee that wafer manufacturing is the same for all process levels.

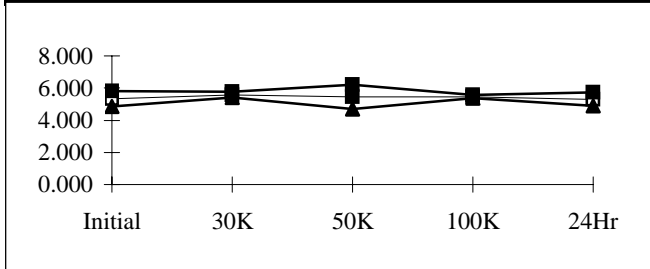
1.0	+IQ @ VS=+-18V				mA
SN	Initial	30K	50K	100K	24Hr
14	5.520	5.332	5.332	5.332	5.459
1	5.588	7.591			4.222
2	5.575	6.966			4.276
3	5.528	6.594			4.252
5	5.434	7.330			4.286
6	5.200		7.612		3.993
7	5.487		5.899		4.268
8	5.087		7.236		3.880
9	5.476		6.215		4.272
10	5.470			4.699	4.265
11	5.435			4.779	4.501
12	5.474			4.745	4.304
13	5.459			4.968	4.247
min	5.087	6.594	5.899	4.699	3.880
max	5.588	7.591	7.612	4.968	4.501
stdev	0.146	0.434	0.814	0.118	0.156
Ave	5.434	7.120	6.741	4.798	4.231
+3S	5.874	8.424	9.183	5.152	4.699
-3S	4.995	5.817	4.298	4.443	3.762



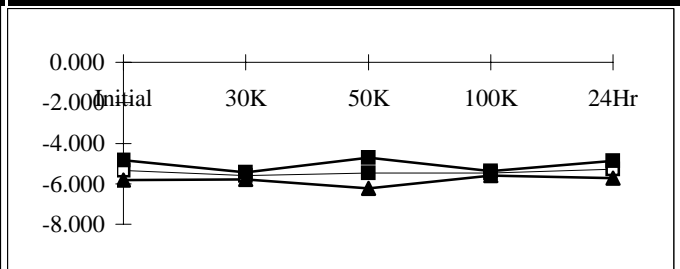
2.0	-IQ @ VS=+-18V				mA
SN	Initial	30K	50K	100K	24Hr
14	-5.649	-5.491	-5.491	-5.491	-5.606
1	-5.728	-27.743			-30.867
2	-5.693	-32.236			-30.266
3	-5.661	-34.920			-29.955
5	-5.572	-28.759			-30.716
6	-5.308		-27.728		-29.530
7	-5.608		-33.070		-30.975
8	-5.158		-27.675		-28.453
9	-5.649		-28.930		-31.072
10	-5.635			-33.313	-30.455
11	-5.594			-33.366	-20.397
12	-5.602			-33.362	-29.440
13	-5.600			-33.479	-28.968
min	-5.728	-34.920	-33.070	-33.479	-31.072
max	-5.158	-27.743	-27.675	-33.313	-20.397
stdev	0.165	3.291	2.546	0.070	2.911
Ave	-5.567	-30.915	-29.351	-33.380	-29.258
+3S	-5.071	-21.041	-21.712	-33.169	-20.523
-3S	-6.064	-40.788	-36.990	-33.591	-37.992



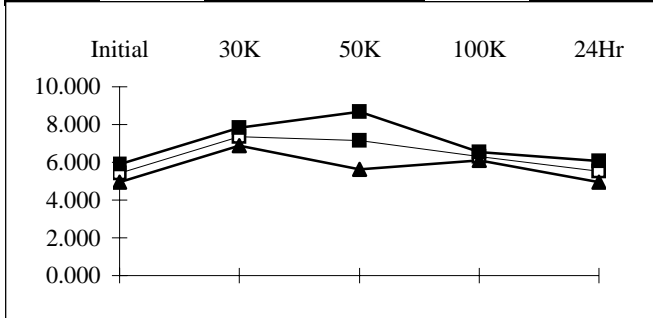
3.0	+IQ @ VS=+-4.5V				mA
SN	Initial	30K	50K	100K	24Hr
14	5.410	5.215	5.215	5.215	5.374
1	5.514	5.673			5.330
2	5.482	5.573			5.353
3	5.426	5.555			5.375
5	5.353	5.554			5.311
6	5.102		5.708		5.085
7	5.374		5.175		5.339
8	4.957		5.609		4.947
9	5.417		5.310		5.408
10	5.402			5.454	5.417
11	5.349			5.465	5.330
12	5.409			5.428	5.400
13	5.370			5.508	5.360
min	4.957	5.554	5.175	5.428	4.947
max	5.514	5.673	5.708	5.508	5.417
stdev	0.159	0.057	0.250	0.033	0.142
Ave	5.346	5.589	5.451	5.464	5.305
+3S	5.823	5.759	6.200	5.564	5.730
-3S	4.870	5.418	4.701	5.364	4.879



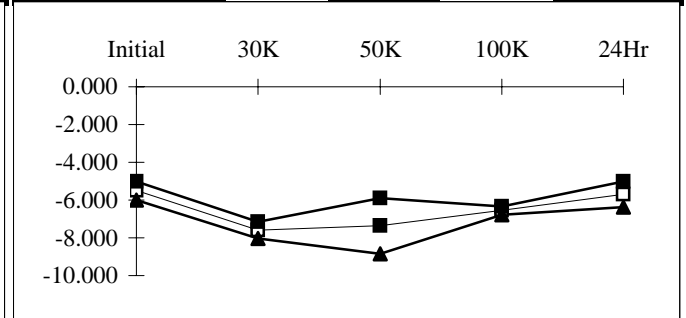
4.0	-IQ @ VS=+-4.5V				mA
SN	Initial	30K	50K	100K	24Hr
14	-5.396	-5.220	-5.220	-5.220	-5.364
1	-5.501	-5.692			-5.323
2	-5.470	-5.590			-5.337
3	-5.415	-5.579			-5.356
5	-5.326	-5.562			-5.299
6	-5.082		-5.738		-5.061
7	-5.351		-5.193		-5.321
8	-4.941		-5.618		-4.936
9	-5.408		-5.323		-5.381
10	-5.390			-5.461	-5.397
11	-5.335			-5.485	-5.325
12	-5.380			-5.447	-5.383
13	-5.364			-5.525	-5.350
min	-5.501	-5.692	-5.738	-5.525	-5.397
max	-4.941	-5.562	-5.193	-5.447	-4.936
stdev	0.160	0.059	0.253	0.034	0.141
Ave	-5.330	-5.606	-5.468	-5.480	-5.289
+3S	-4.849	-5.430	-4.709	-5.377	-4.865
-3S	-5.811	-5.782	-6.227	-5.582	-5.713



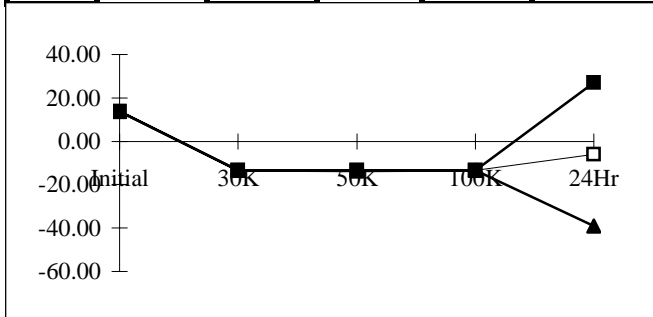
5.0	+IQ @ VS=+-15V				mA
SN	Initial	30K	50K	100K	24Hr
14	5.495	5.331	5.331	5.331	5.456
1	5.586	7.574			5.638
2	5.570	7.223			5.586
3	5.497	7.260			5.597
5	5.419	7.368			5.641
6	5.172		7.712		5.308
7	5.449		6.676		5.688
8	5.058		7.447		5.046
9	5.510		6.770		5.723
10	5.485			6.282	5.487
11	5.411			6.311	5.441
12	5.437			6.258	5.525
13	5.435			6.430	5.471
min	5.058	7.223	6.676	6.258	5.046
max	5.586	7.574	7.712	6.430	5.723
stdev	0.154	0.158	0.508	0.076	0.188
Ave	5.419	7.356	7.151	6.320	5.513
+3S	5.882	7.829	8.674	6.549	6.075
-3S	4.956	6.883	5.628	6.091	4.950



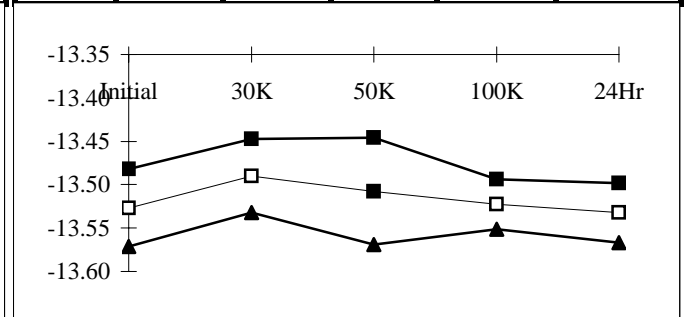
6.0	-IQ @ VS=+-15V				mA
SN	Initial	30K	50K	100K	24Hr
14	-5.569	-5.406	-5.406	-5.406	-5.533
1	-5.667	-7.809			-5.835
2	-5.637	-7.505			-5.827
3	-5.585	-7.484			-5.827
5	-5.489	-7.581			-5.872
6	-5.248		-7.926		-5.527
7	-5.531		-6.911		-5.893
8	-5.094		-7.648		-5.149
9	-5.576		-7.005		-5.924
10	-5.552			-6.510	-5.668
11	-5.516			-6.518	-5.534
12	-5.550			-6.504	-5.595
13	-5.535			-6.659	-5.550
min	-5.667	-7.809	-7.926	-6.659	-5.924
max	-5.094	-7.484	-6.911	-6.504	-5.149
stdev	0.164	0.149	0.493	0.074	0.226
Ave	-5.498	-7.595	-7.373	-6.548	-5.683
+3S	-5.006	-7.148	-5.892	-6.325	-5.007
-3S	-5.990	-8.041	-8.853	-6.771	-6.360



7.0	+VOP2 @ VS=+-15V, RL=1K				V
SN	Initial	30K	50K	100K	24Hr
14	13.78	13.78	13.78	13.78	13.77
1	13.78	-13.46			-13.47
2	13.78	-13.48			-13.44
3	13.77	-13.48			-13.17
5	13.78	-13.48			-13.46
6	13.79		-13.48		-13.33
7	13.78		-13.52		-13.47
8	13.79		-13.48		-1.05
9	13.77		-13.51		-13.48
10	13.78			-13.51	-10.30
11	13.78			-13.50	13.34
12	13.78			-13.51	13.21
13	13.78			-13.49	6.71
min	13.77	-13.48	-13.52	-13.51	-13.48
max	13.79	-13.46	-13.48	-13.49	13.34
stdev	0.01	0.01	0.02	0.01	11.00
Ave	13.78	-13.48	-13.50	-13.50	-5.99
+3S	13.80	-13.45	-13.44	-13.47	27.01
-3S	13.76	-13.51	-13.56	-13.53	-39.00

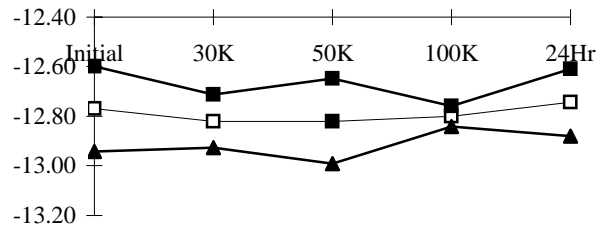
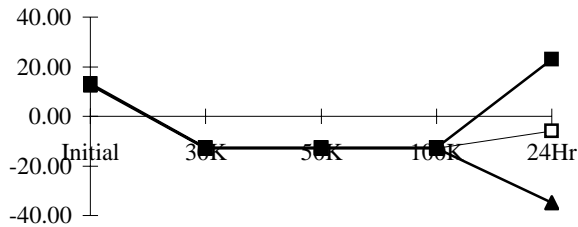


8.0	-VOP2 @ VS=+-15V, RL=1K				V
SN	Initial	30K	50K	100K	24Hr
14	-13.52	-13.54	-13.54	-13.54	-13.52
1	-13.51	-13.47			-13.53
2	-13.51	-13.49			-13.52
3	-13.52	-13.50			-13.53
5	-13.53	-13.50			-13.53
6	-13.55		-13.49		-13.55
7	-13.52		-13.53		-13.53
8	-13.56		-13.49		-13.56
9	-13.52		-13.52		-13.53
10	-13.52			-13.53	-13.52
11	-13.53			-13.52	-13.53
12	-13.52			-13.53	-13.53
13	-13.53			-13.51	-13.53
min	-13.56	-13.50	-13.53	-13.53	-13.56
max	-13.51	-13.47	-13.49	-13.51	-13.52
stdev	0.01	0.01	0.02	0.01	0.01
Ave	-13.53	-13.49	-13.51	-13.52	-13.53
+3S	-13.48	-13.45	-13.45	-13.49	-13.50
-3S	-13.57	-13.53	-13.57	-13.55	-13.57



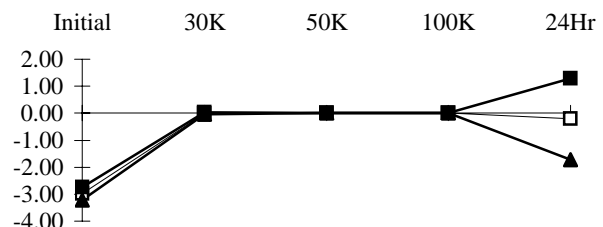
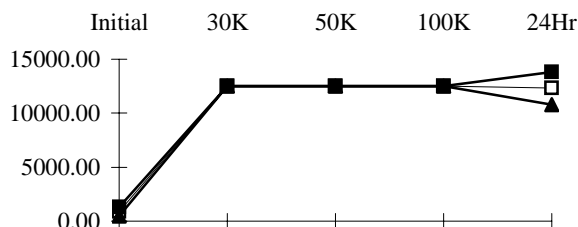
9.0	+VOP3 @ VS=+-15V, RL=500ohms				V
SN	Initial	30K	50K	100K	24Hr
14	12.92	13.01	13.01	13.01	12.98
1	12.68	-12.77			-12.49
2	12.77	-12.80			-12.07
3	12.94	-12.79			-11.38
5	13.01	-12.86			-13.31
6	12.86		-12.87		-11.65
7	12.92		-12.74		-12.47
8	12.90		-12.83		-1.10
9	12.93		-12.77		-12.52
10	12.97			-12.79	-10.94
11	12.97			-12.78	11.93
12	12.95			-12.79	10.90
13	12.96			-12.76	3.44
min	12.68	-12.86	-12.87	-12.79	-13.31
max	13.01	-12.77	-12.74	-12.76	11.93
stdev	0.09	0.04	0.06	0.01	9.64
Ave	12.91	-12.81	-12.80	-12.78	-5.97
+3S	13.19	-12.69	-12.63	-12.74	22.95
-3S	12.62	-12.92	-12.98	-12.82	-34.89

10.0	-VOP3 @ VS=+-15V, RL=500ohms				V
SN	Initial	30K	50K	100K	24Hr
14	-12.78	-12.93	-12.93	-12.93	-12.80
1	-12.68	-12.79			-12.74
2	-12.70	-12.82			-12.72
3	-12.80	-12.80			-12.73
5	-12.86	-12.87			-12.77
6	-12.70		-12.89		-12.66
7	-12.78		-12.76		-12.75
8	-12.71		-12.84		-12.66
9	-12.79		-12.79		-12.79
10	-12.82			-12.81	-12.77
11	-12.80			-12.80	-12.78
12	-12.81			-12.81	-12.78
13	-12.79			-12.78	-12.78
min	-12.86	-12.87	-12.89	-12.81	-12.79
max	-12.68	-12.79	-12.76	-12.78	-12.66
stdev	0.06	0.04	0.06	0.01	0.05
Ave	-12.77	-12.82	-12.82	-12.80	-12.74
+3S	-12.60	-12.71	-12.65	-12.76	-12.61
-3S	-12.94	-12.93	-12.99	-12.84	-12.88

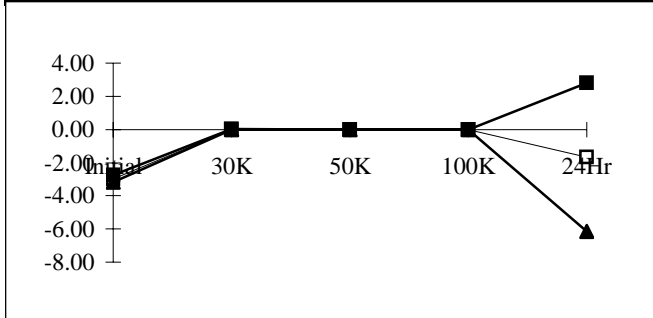


11.0	VIO @ VS=+-15V				uV
SN	Initial	30K	50K	100K	24Hr
14	999	1099	1099	1099	995
1	816	12528			12523
2	990	12529			12524
3	1114	12529			12523
5	803	12530			12523
6	674		12530		12523
7	1061		12530		12523
8	790		12530		12527
9	972		12531		12524
10	712			12531	12524
11	894			12532	10777
12	906			12532	12093
13	826			12533	12166
min	674.11	12528	12530	12531	10777
max	1114.14	12530	12531	12533	12527
stdev	134.97	0.96	0.42	0.61	507.01
Ave	879.81	12529	12530	12532	12312
+3S	1284.73	12532	12532	12534	13833
-3S	474.90	12526	12529	12530	10791

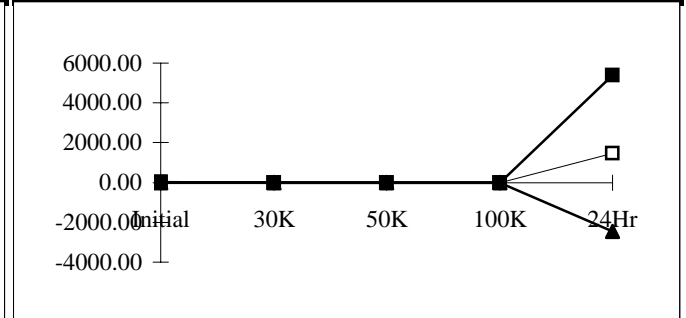
12.0	IIB+ @ VS=+-15V, VCM=0V				uA
SN	Initial	30K	50K	100K	24Hr
14	-3.01	-2.52	-2.52	-2.52	-3.02
1	-2.97	-0.02			0.00
2	-3.00	0.00			0.00
3	-3.06	0.00			0.00
5	-2.96	0.00			0.00
6	-2.85		0.00		0.00
7	-2.95		0.00		0.00
8	-2.78		0.00		0.00
9	-3.01		0.00		0.00
10	-3.01			0.00	0.00
11	-3.01			0.00	-1.73
12	-3.02			0.00	-0.43
13	-3.01			0.00	-0.36
min	-3.06	-0.02	0.00	0.00	-1.73
max	-2.78	0.00	0.00	0.00	0.00
stdev	0.08	0.01	0.00	0.00	0.50
Ave	-2.97	-0.01	0.00	0.00	-0.21
+3S	-2.73	0.03	0.00	0.00	1.30
-3S	-3.21	-0.04	0.00	0.00	-1.72



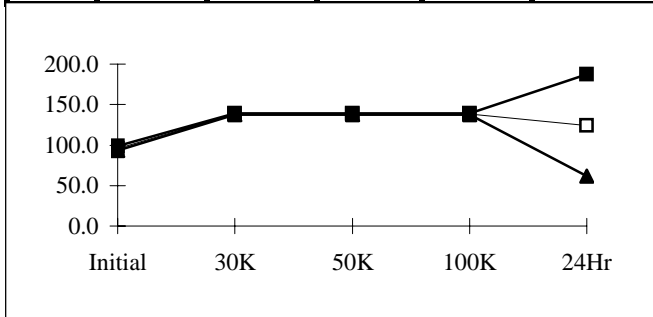
IIB- @ VS=+-15V, VCM=0V					
SN	Initial	30K	50K	100K	24Hr
14	-2.99	-2.53	-2.53	-2.53	-3.00
1	-2.97	0.02			0.00
2	-3.00	0.00			-0.57
3	-3.05	0.00			-1.75
5	-2.96	0.00			-0.15
6	-2.85		0.00		-1.49
7	-2.94		0.00		0.00
8	-2.79		0.00		-3.29
9	-3.01		0.00		0.00
10	-3.00			0.00	-2.77
11	-3.00			0.00	-3.38
12	-3.01			0.00	-3.35
13	-3.01			0.00	-3.39
min	-3.05	0.00	0.00	0.00	-3.39
max	-2.79	0.02	0.00	0.00	0.00
stdev	0.07	0.01	0.00	0.00	1.49
Ave	-2.97	0.01	0.00	0.00	-1.68
+3S	-2.74	0.04	0.00	0.00	2.80
-3S	-3.19	-0.03	0.00	0.00	-6.15



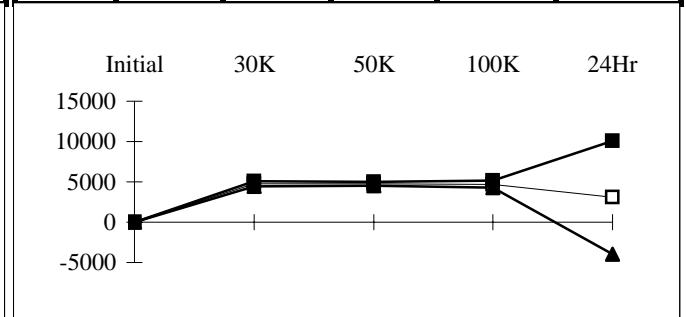
IIO @ VS=+-15V, VCM=0V					
SN	Initial	30K	50K	100K	24Hr
14	14.26	10.21	10.21	10.21	15.11
1	2.58	0.81			1.59
2	4.69	1.39			573.38
3	10.59	1.80			1747.32
5	5.64	1.49			146.35
6	2.81		1.36		1484.37
7	9.77		1.29		1.75
8	7.49		1.39		3291.42
9	5.92		1.98		1.38
10	15.28			1.87	2772.95
11	12.33			1.68	1652.79
12	11.28				2923.89
13	2.26			1.34	3033.79
min	2.26	0.81	1.29	1.34	1.38
max	15.28	1.80	1.98	1.87	3291.42
stdev	4.27	0.41	0.32	0.27	1304.18
Ave	7.55	1.37	1.51	1.63	1469.25
+3S	20.36	2.61	2.46	2.44	5381.80
-3S	-5.25	0.13	0.55	0.82	-2443.30



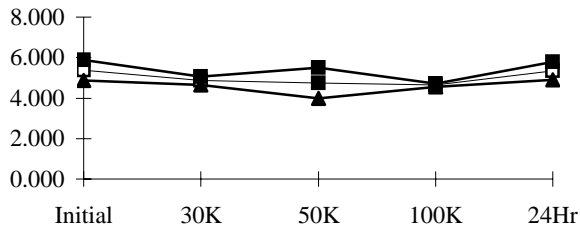
CMRR2 @ VCM=+-12V					
SN	Initial	30K	50K	100K	24Hr
14	97.1	94.4	94.4	94.4	97.2
1	94.3	138.1			138.6
2	95.8	138.5			139.9
3	96.4	137.9			140.2
5	95.1	138.1			139.1
6	96.3		137.9		139.6
7	96.6		137.9		138.4
8	96.0		137.8		100.2
9	96.1		138.4		138.0
10	94.1			138.2	135.1
11	96.8			138.2	95.6
12	95.0			138.8	93.7
13	96.3			138.2	95.0
min	94.1	137.9	137.8	138.2	93.7
max	96.8	138.5	138.4	138.8	140.2
stdev	0.9	0.3	0.3	0.3	21.0
Ave	95.7	138.2	138.0	138.4	124.5
+3S	98.4	138.9	138.8	139.3	187.5
-3S	93.0	137.4	137.2	137.5	61.4



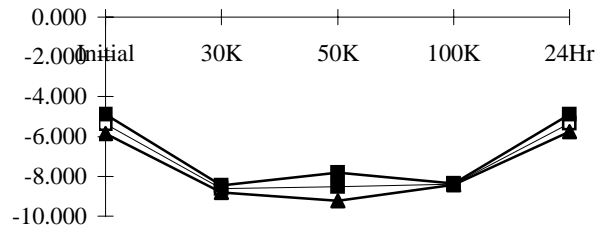
AVS2 @ VO=+-10V, RL=1K					
SN	Initial	30K	50K	100K	24Hr
14	6	7	7	7	6
1	8	4630			4782
2	7	4808			4710
3	7	4879			4734
5	7	4818			4947
6	8		4689		4848
7	7		4756		4960
8	8		4658		22
9	7		4836		5131
10	8			4740	2860
11	7			4575	11
12	8			4572	22
13	7			4881	13
min	7	4630	4658	4572	11
max	8	4879	4836	4881	5131
stdev	1	108	79	148	2340
Ave	7	4784	4734	4692	3087
+3S	9	5106	4970	5137	10106
-3S	5	4461	4498	4247	-3933



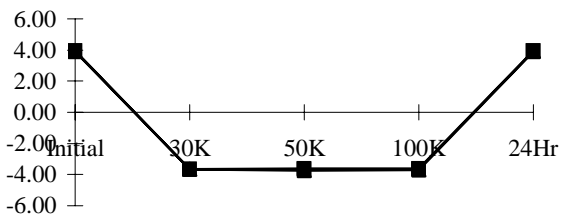
19.0	+IQ @ VS=+-5V				mA
SN	Initial	30K	50K	100K	24Hr
14	5.441	5.282	5.282	5.282	5.405
1	5.548	4.959			5.370
2	5.513	4.828			5.389
3	5.466	4.821			5.416
5	5.376	4.827			5.349
6	5.119		5.021		5.102
7	5.409		4.481		5.372
8	4.977		4.889		4.971
9	5.456		4.578		5.432
10	5.429			4.630	5.461
11	5.383			4.653	5.376
12	5.425			4.613	5.415
13	5.423			4.668	5.405
min	4.977	4.821	4.481	4.613	4.971
max	5.548	4.959	5.021	4.668	5.461
stdev	0.164	0.067	0.255	0.024	0.147
Ave	5.377	4.859	4.742	4.641	5.338
+3S	5.870	5.059	5.506	4.714	5.779
-3S	4.884	4.658	3.978	4.568	4.898



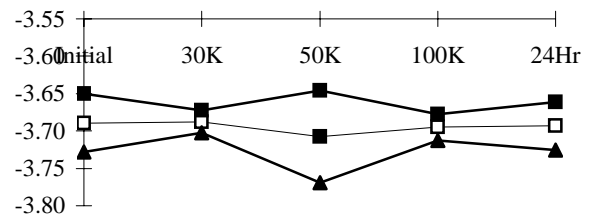
20.0	-IQ @ VS=+-5V				mA
SN	Initial	30K	50K	100K	24Hr
14	-5.429	-5.264	-5.264	-5.264	-5.393
1	-5.530	-8.718			-5.351
2	-5.502	-8.605			-5.372
3	-5.447	-8.603			-5.391
5	-5.365	-8.597			-5.337
6	-5.108		-8.789		-5.088
7	-5.382		-8.285		-5.357
8	-4.973		-8.655		-4.974
9	-5.446		-8.371		-5.426
10	-5.425			-8.385	-5.434
11	-5.370			-8.390	-5.357
12	-5.408			-8.371	-5.411
13	-5.399			-8.398	-5.378
min	-5.530	-8.718	-8.789	-8.398	-5.434
max	-4.973	-8.597	-8.285	-8.371	-4.974
stdev	0.161	0.058	0.237	0.011	0.142
Ave	-5.363	-8.631	-8.525	-8.386	-5.323
+3S	-4.879	-8.456	-7.815	-8.352	-4.898
-3S	-5.847	-8.806	-9.235	-8.420	-5.748



21.0	+VOPI @ VS=+-5V, RL=500ohms				V
SN	Initial	30K	50K	100K	24Hr
14	3.93	3.93	3.93	3.93	3.92
1	3.93	-3.65			3.93
2	3.93	-3.65			3.94
3	3.92	-3.66			3.93
5	3.93	-3.66			3.94
6	3.94		-3.66		3.94
7	3.93		-3.70		3.93
8	3.94		-3.66		3.95
9	3.92		-3.68		3.93
10	3.93			-3.65	3.93
11	3.93			-3.64	3.93
12	3.93			-3.65	3.93
13	3.93			-3.62	3.93
min	3.92	-3.66	-3.70	-3.65	3.93
max	3.94	-3.65	-3.66	-3.62	3.95
stdev	0.01	0.01	0.02	0.01	0.01
Ave	3.93	-3.66	-3.68	-3.64	3.93
+3S	3.95	-3.64	-3.62	-3.60	3.95
-3S	3.91	-3.67	-3.73	-3.68	3.91

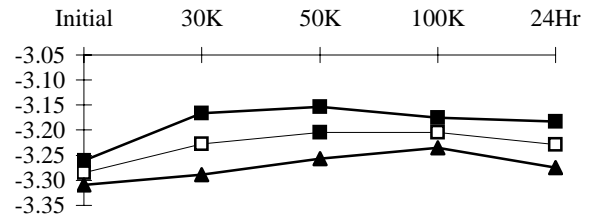
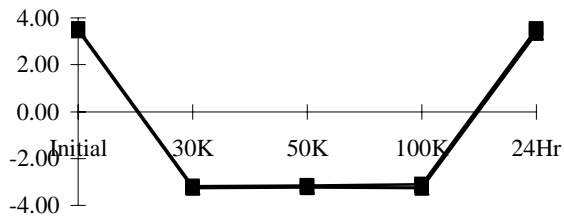


22.0	-VOPI @ VS=+-5V, RL=500ohms				V
SN	Initial	30K	50K	100K	24Hr
14	-3.68	-3.70	-3.70	-3.70	-3.68
1	-3.68	-3.68			-3.69
2	-3.68	-3.69			-3.69
3	-3.68	-3.69			-3.69
5	-3.69	-3.69			-3.69
6	-3.71		-3.69		-3.71
7	-3.68		-3.73		-3.69
8	-3.72		-3.69		-3.72
9	-3.68		-3.72		-3.69
10	-3.68			-3.70	-3.68
11	-3.69			-3.69	-3.69
12	-3.69			-3.70	-3.69
13	-3.69			-3.69	-3.69
min	-3.72	-3.69	-3.73	-3.70	-3.72
max	-3.68	-3.68	-3.69	-3.69	-3.68
stdev	0.01	0.00	0.02	0.01	0.01
Ave	-3.69	-3.69	-3.71	-3.70	-3.69
+3S	-3.65	-3.67	-3.65	-3.68	-3.66
-3S	-3.73	-3.70	-3.77	-3.71	-3.73



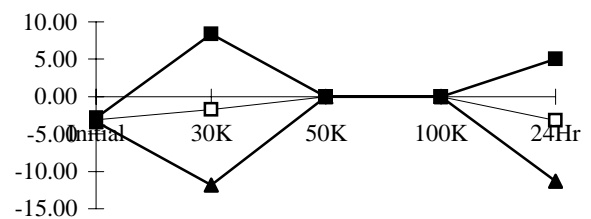
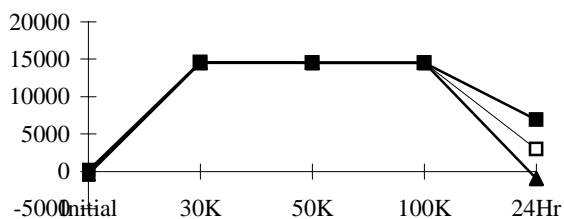
23.0 +VOP @ VS=+-5V, RL=150ohms					
SN	Initial	30K	50K	100K	24Hr
14	3.50	3.50	3.50	3.50	3.50
1	3.45	-3.20			3.38
2	3.48	-3.22			3.42
3	3.50	-3.23			3.43
5	3.50	-3.24			3.41
6	3.48		-3.22		3.45
7	3.49		-3.20		3.46
8	3.49		-3.20		3.45
9	3.49		-3.18		3.46
10	3.47			-3.20	3.45
11	3.50			-3.19	3.49
12	3.49			-3.20	3.47
13	3.50			-3.14	3.49
min	3.45	-3.24	-3.22	-3.20	3.38
max	3.50	-3.20	-3.18	-3.14	3.49
stdev	0.01	0.02	0.02	0.03	0.03
Ave	3.49	-3.22	-3.20	-3.18	3.45
+3S	3.53	-3.17	-3.15	-3.10	3.54
-3S	3.44	-3.27	-3.25	-3.27	3.35

24.0 -VOP @ VS=+-5V, RL=150ohms					
SN	Initial	30K	50K	100K	24Hr
14	-3.28	-3.31	-3.31	-3.31	-3.28
1	-3.28	-3.20			-3.23
2	-3.27	-3.23			-3.23
3	-3.28	-3.23			-3.23
5	-3.30	-3.25			-3.24
6	-3.28		-3.22		-3.19
7	-3.28		-3.21		-3.22
8	-3.28		-3.21		-3.21
9	-3.29		-3.18		-3.24
10	-3.29			-3.21	-3.23
11	-3.29			-3.21	-3.24
12	-3.29			-3.21	-3.24
13	-3.29			-3.19	-3.24
min	-3.30	-3.25	-3.22	-3.21	-3.24
max	-3.27	-3.20	-3.18	-3.19	-3.19
stdev	0.01	0.02	0.02	0.01	0.02
Ave	-3.29	-3.23	-3.21	-3.21	-3.23
+3S	-3.26	-3.17	-3.15	-3.18	-3.18
-3S	-3.31	-3.29	-3.26	-3.24	-3.27

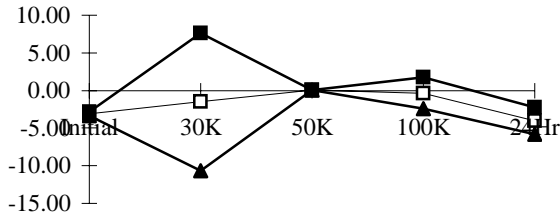


25.0 VIO @ VS=+-5V					
SN	Initial	30K	50K	100K	24Hr
14	-67	-32	-32	-32	-70
1	-182	14563			4726
2	-50	14560			3658
3	54	14558			3206
5	-173	14555			4082
6	-246		14555		2728
7	25		14555		4438
8	-93		14555		1954
9	-63		14552		4566
10	-237			14554	1981
11	-142			14554	1160
12	-83			14554	1659
13	-195			14556	1425
min	-246	14555	14552	14554	1160
max	54	14563	14555	14556	4726
stdev	97	3.52	1.45	1.13	1314
Ave	-115	14559	14554	14555	2965
+3S	176	14570	14559	14558	6908
-3S	-407	14549	14550	14551	-978

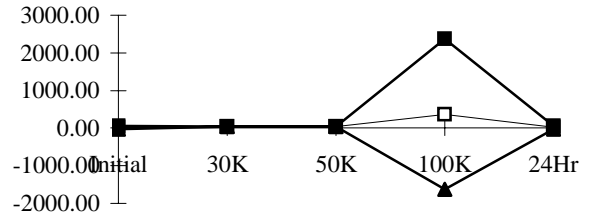
26.0 IIB+ @ VS=+-4.5V, VCM=0V					
SN	Initial	30K	50K	100K	24Hr
14	-3.11	-2.62	-2.62	-2.62	-3.12
1	-3.07	-6.76			-4.39
2	-3.10	-0.02			-4.52
3	-3.17	-0.02			-4.59
5	-3.07	-0.02			-4.34
6	-2.95		-0.02		-3.64
7	-3.05		-0.02		-3.74
8	-2.87		-0.02		-3.60
9	-3.12		-0.02		-3.80
10	-3.11			-0.02	-3.47
11	-3.11			-0.02	-3.54
12	-3.12			-0.02	-3.51
13	-3.11			-0.02	5.41
min	-3.17	-6.76	-0.02	-0.02	-4.59
max	-2.87	-0.02	-0.02	-0.02	5.41
stdev	0.08	3.37	0.00	0.00	2.73
Ave	-3.07	-1.71	-0.02	-0.02	-3.14
+3S	-2.82	8.41	-0.02	-0.02	5.03
-3S	-3.32	-11.82	-0.02	-0.02	-11.32



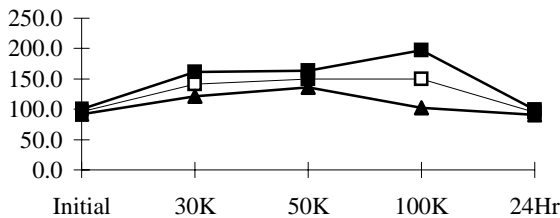
27.0 IIB- @ VS=+-4.5V, VCM=0V					
SN	Initial	30K	50K	100K	24Hr
14	-3.11	-2.65	-2.65	-2.65	-3.12
1	-3.09	-6.08			-4.42
2	-3.12	0.02			-4.55
3	-3.17	0.02			-4.62
5	-3.08	0.02			-4.36
6	-2.96		0.02		-3.66
7	-3.06		0.02		-3.73
8	-2.90		0.02		-3.60
9	-3.13		0.02		-3.80
10	-3.12			0.02	-3.47
11	-3.12			0.02	-3.55
12	-3.13			0.02	-3.52
13	-3.14			-1.39	-5.38
min	-3.17	-6.08	0.02	-1.39	-5.38
max	-2.90	0.02	0.02	0.02	-3.47
stdev	0.08	3.05	0.00	0.71	0.60
Ave	-3.09	-1.51	0.02	-0.33	-4.05
+3S	-2.85	7.65	0.02	1.78	-2.26
-3S	-3.32	-10.66	0.02	-2.45	-5.85



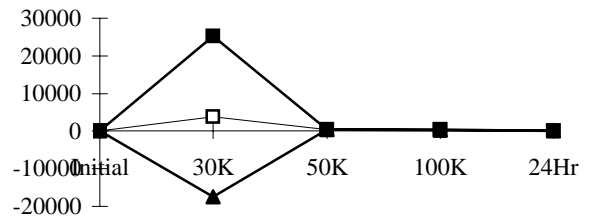
28.0 IIO @ VS=+-4.5V, VCM=0V					
SN	Initial	30K	50K	100K	24Hr
14	3.74	32.97	32.97	32.97	3.01
1	23.06	40.10			27.51
2	14.22	40.27			22.63
3	54.39	41.14			30.81
5	12.87	39.26			16.37
6	15.04		38.85		27.75
7	7.03		39.25		10.73
8	27.68		40.10		0.24
9	13.12		38.85		4.64
10	4.54			38.66	4.35
11	6.70			38.57	2.87
12	8.64			39.64	8.61
13	20.57			1369.92	29.44
min	4.54	39.26	38.85	38.57	0.24
max	54.39	41.14	40.10	1369.92	30.81
stdev	13.60	0.77	0.59	665.48	11.60
Ave	17.32	40.19	39.26	371.70	15.50
+3S	58.12	42.50	41.03	2368.14	50.29
-3S	-23.48	37.88	37.49	-1624.75	-19.30



29.0 CMRR1 @ VCM=+-2.5V					
SN	Initial	30K	50K	100K	24Hr
14	98.2	93.9	93.9	93.9	98.4
1	94.1	135.6			92.6
2	96.3	135.8			94.9
3	97.2	144.2			95.1
5	95.1	149.2			93.0
6	96.7		148.8		95.8
7	97.5		145.0		96.2
8	96.2		149.6		95.0
9	96.5		155.9		95.3
10	93.7			166.1	92.9
11	97.7			152.4	97.0
12	95.0			152.1	94.2
13	96.8			128.1	96.1
min	93.7	135.6	145.0	128.1	92.6
max	97.7	149.2	155.9	166.1	97.0
stdev	1.3	6.7	4.5	15.8	1.4
Ave	96.1	141.2	149.8	149.7	94.8
+3S	100.0	161.2	163.4	197.1	99.1
-3S	92.2	121.2	136.3	102.3	90.6



32.0 AVS1 @ V0=+-2.5V, RL=500OHM					
SN	Initial	30K	50K	100K	24Hr
14	4	5	5	5	4
1	5	14563			4
2	4	338			4
3	4	330			3
5	5	328			4
6	5		337		5
7	4		337		4
8	5		337		5
9	4		340		4
10	5			335	5
11	4			336	4
12	5			333	5
13	4			366	4
min	4	328	337	333	3
max	5	14563	340	366	5
stdev	0	7116	2	16	1
Ave	4	3890	338	342	4
+3S	6	25237	343	389	6
-3S	3	-17457	333	296	3





33.0	PSRR @ VS=+-5V TO +-15V				DB
SN	Initial	30K	50K	100K	24Hr
14	85.5	85.0	85.0	85.0	85.5
1	86.0	79.8			68.2
2	85.7	79.9			67.1
3	85.5	79.9			66.6
5	86.2	79.9			67.5
6	86.7		79.9		66.2
7	85.7		79.9		67.9
8	87.1		79.9		65.5
9	85.7		79.9		68.0
10	86.5			79.9	65.6
11	85.7			79.9	66.4
12	96.1			79.9	65.7
13	85.8			79.9	65.4
min	85.5	79.8	79.9	79.9	65.4
max	96.1	79.9	79.9	79.9	68.2
stdev	2.9	0.1	0.0	0.0	1.0
Ave	86.9	79.9	79.9	79.9	66.7
+3S	95.7	80.0	79.9	79.9	69.8
-3S	78.1	79.7	79.9	79.9	63.6

