

RADIATION TEST REPORT

PRODUCT: AD574ATDQMLR

MASK:

FILE:

DATE CODE:

GAMMA: 0, 100k

GAMMA SOURCE: Co60

DOSE RATE: 38.15 rad/sec

FACILITIES: National Semiconductor
Sunnyvale, Ca.

TESTED: March 23,2005

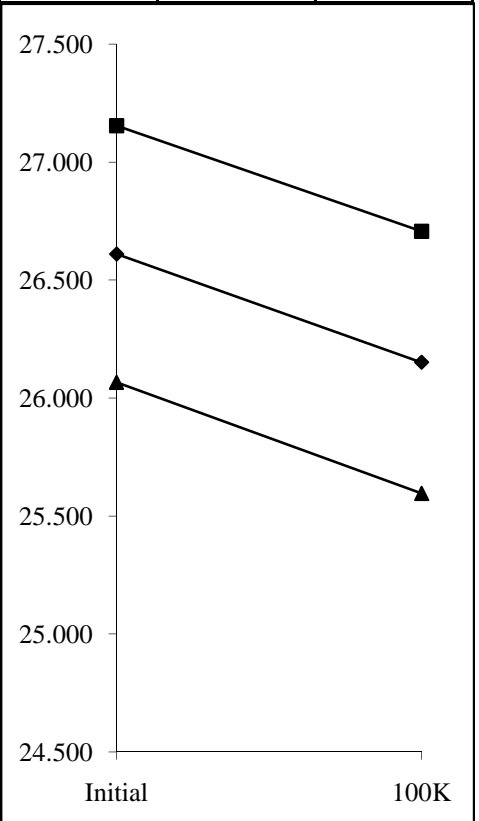
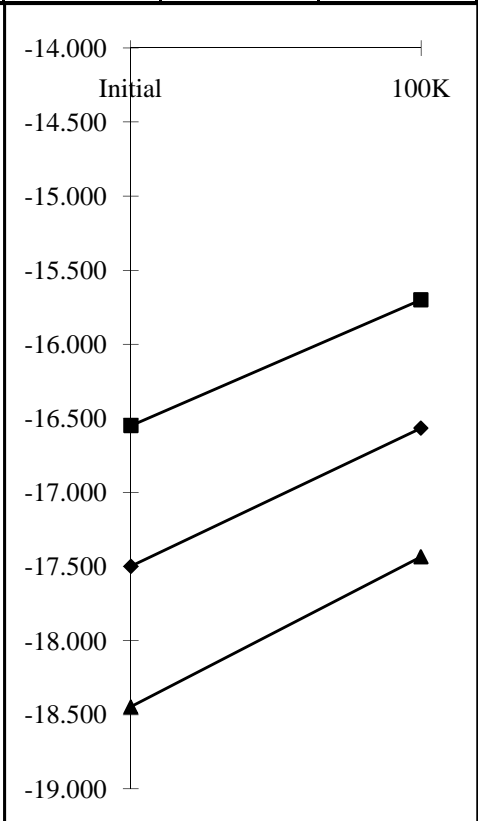
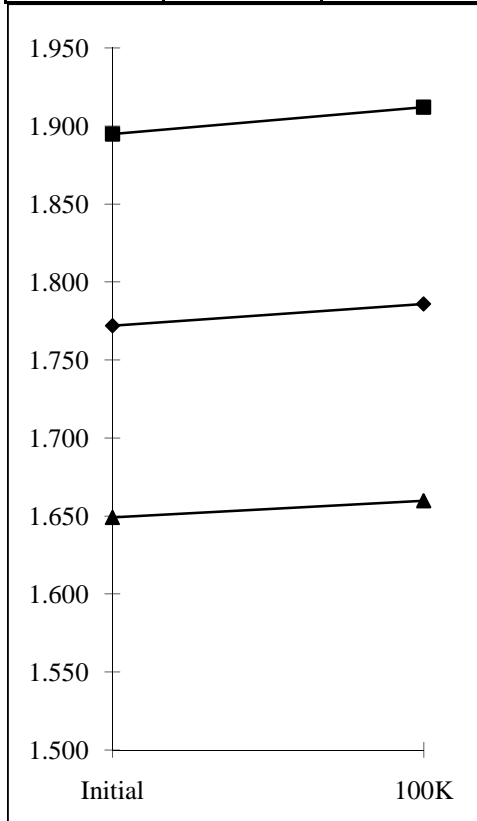
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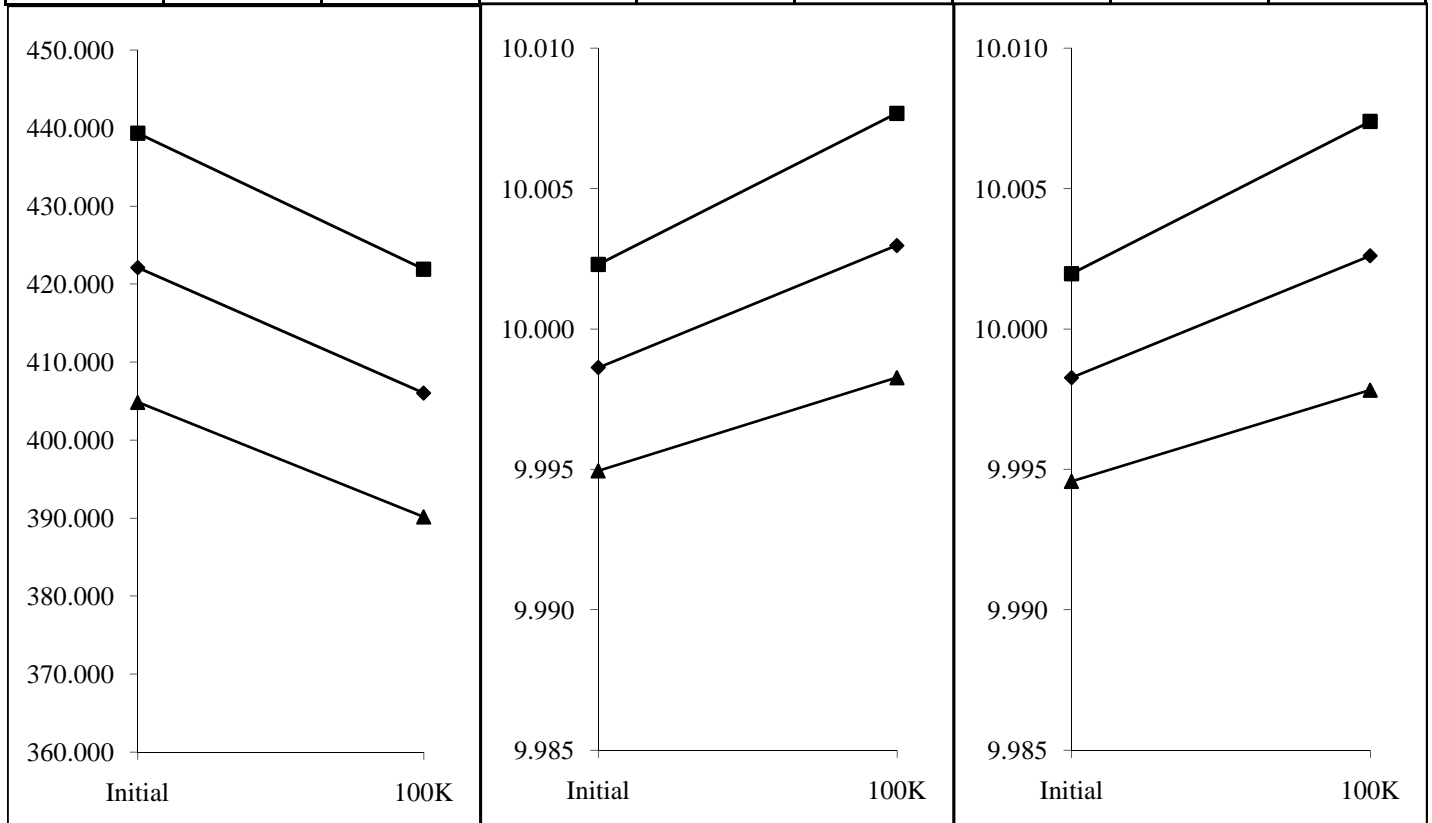
WARNING:

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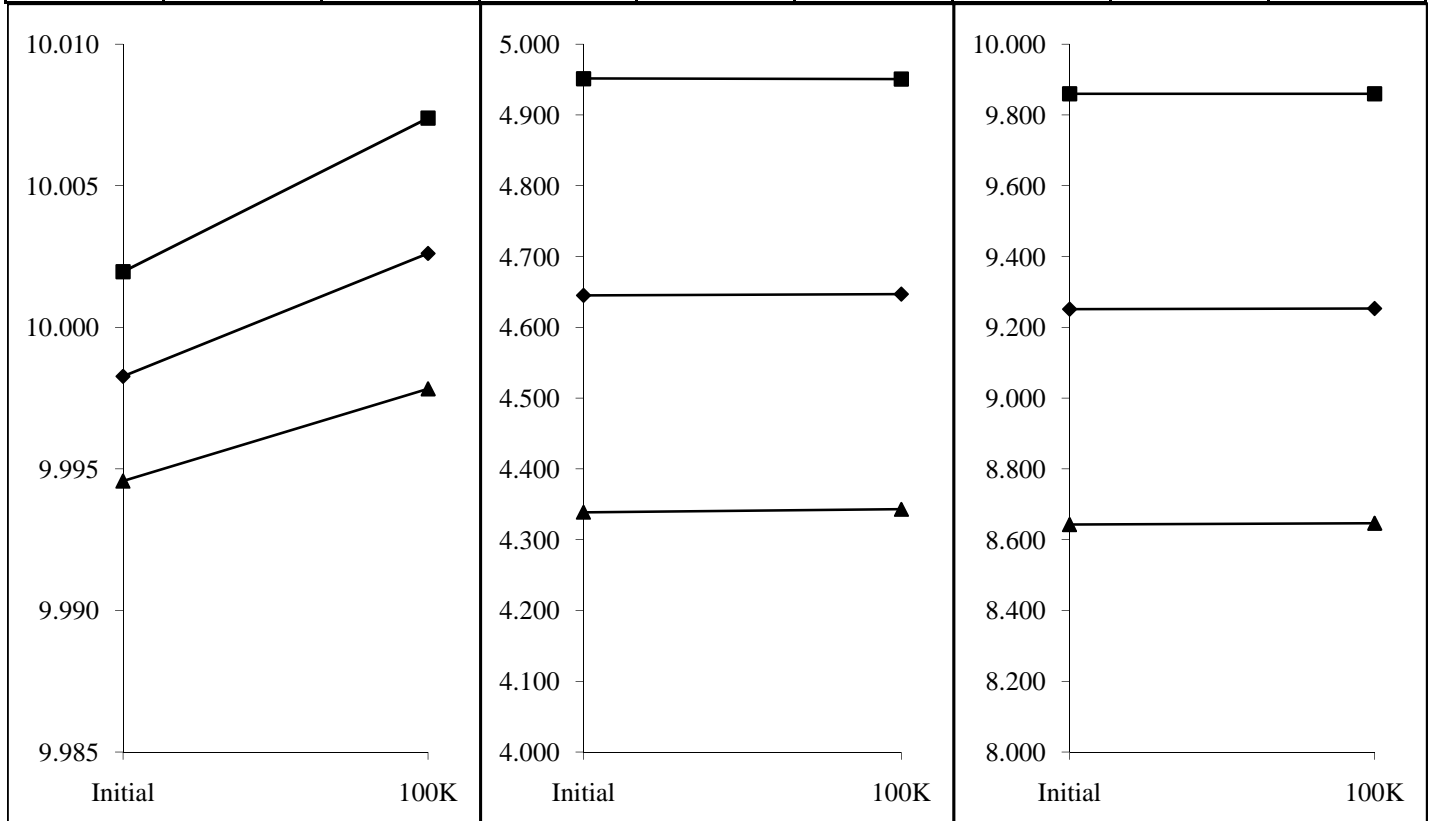
T#2	Icc	A	T#3	Iee	A	T#4	Ilog	A
SN	Initial	100K	SN	Initial	100K	SN	Initial	100K
1	1.821	1.824	1	-17.551	-17.548	1	26.543	26.545
2	1.821	1.824	2	-17.756	-16.785	2	26.652	26.139
3	1.821	1.853	3	-17.880	-16.873	3	26.731	26.189
24	1.763	1.780	24	-17.558	-16.587	24	26.507	25.979
25	1.799	1.817	25	-17.866	-16.866	25	26.695	26.218
47	1.748	1.773	47	-17.243	-16.375	47	26.572	26.110
48	1.821	1.824	48	-17.954	-17.020	48	26.956	26.516
71	1.748	1.751	71	-17.331	-16.419	71	26.427	26.044
72	1.741	1.751	72	-17.294	-16.375	72	26.449	25.994
94	1.712	1.715	94	-16.920	-16.111	94	26.797	26.363
95	1.733	1.751	95	-17.228	-16.287	95	26.855	26.400
117	1.755	1.751	117	-17.316	-16.382	117	26.456	25.965
118	1.785	1.809	118	-17.243	-16.323	118	26.405	25.928
140	1.799	1.824	140	-17.770	-16.815	140	26.826	26.400
141	1.748	1.758	141	-17.206	-16.279	141	26.434	25.965
163	1.785	1.802	163	-17.792	-16.815	163	26.826	26.392
164	1.785	1.788	164	-17.602	-16.668	164	26.267	25.812
188	1.814	1.824	188	-17.785	-16.859	188	26.710	26.262
189	1.799	1.824	189	-17.814	-16.859	189	26.623	26.153
213	1.814	1.817	213	-17.792	-16.895	213	26.637	26.153
214	1.807	1.824	214	-17.499	-16.573	214	26.637	26.160
237	1.697	1.715	237	-17.074	-16.148	237	26.361	25.965
238	1.690	1.715	238	-17.052	-16.148	238	26.615	26.218
min	1.690	1.715	min	-17.954	-17.020	min	26.267	25.812
max	1.821	1.853	max	-16.920	-16.111	max	26.956	26.516
stdev	0.041	0.042	stdev	0.316	0.289	stdev	0.181	0.185
average	1.772	1.786	average	-17.499	-16.566	average	26.611	26.151
+3S	1.895	1.912	+3S	-16.550	-15.698	+3S	27.155	26.706
-3S	1.649	1.660	-3S	-18.448	-17.434	-3S	26.067	25.596



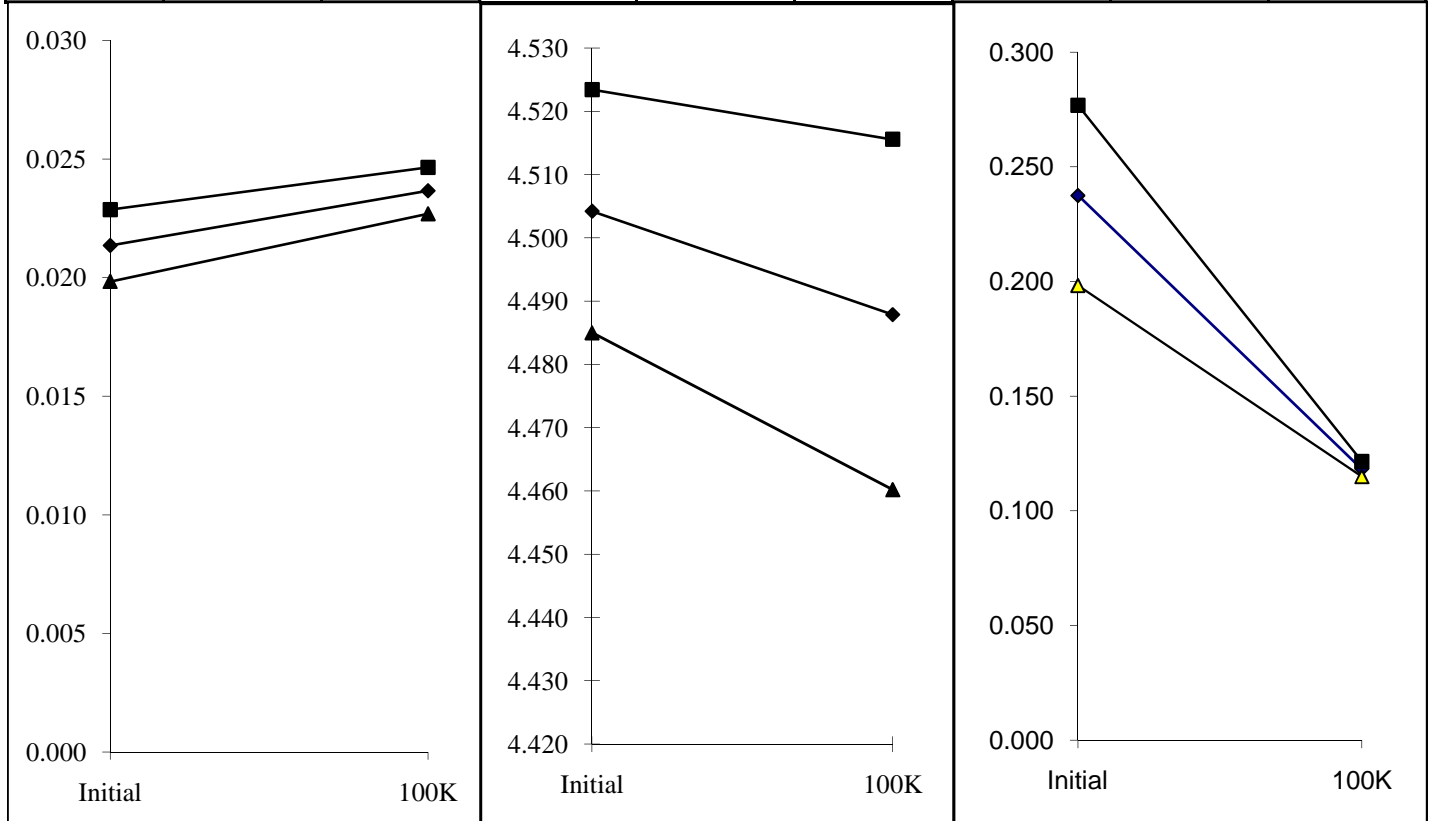
T#5	Pd	W	T#21	Vref_NoLoad	V	T#22	Vref_Load @1.5mA	V
SN	Initial	100K	SN	Initial	100K	SN	Initial	100K
1	423.283	423.289	1	9.997	9.997	1	9.997	9.997
2	426.905	409.822	2	9.997	10.002	2	9.997	10.002
3	429.173	411.833	3	9.998	10.003	3	9.997	10.002
24	422.335	405.179	24	9.996	10.001	24	9.996	10.000
25	428.444	411.320	25	10.000	10.005	25	10.000	10.005
47	417.713	402.751	47	10.001	10.005	47	10.000	10.005
48	431.396	415.225	48	9.998	10.003	48	9.998	10.002
71	418.308	402.756	71	9.998	10.002	71	9.998	10.001
72	417.758	401.843	72	10.000	10.003	72	9.999	10.003
94	413.450	399.184	94	9.998	10.002	94	9.998	10.002
95	418.688	402.552	95	9.999	10.002	95	9.998	10.002
117	418.343	401.808	117	9.998	10.002	117	9.998	10.001
118	417.428	401.623	118	10.000	10.003	118	10.000	10.003
140	427.666	411.566	140	9.998	10.004	140	9.998	10.003
141	416.475	400.377	141	9.999	10.004	141	9.998	10.004
163	427.777	411.201	163	9.998	10.003	163	9.998	10.003
164	422.128	405.883	164	9.997	10.001	164	9.997	10.001
188	427.525	411.537	188	9.998	10.004	188	9.998	10.003
189	427.311	410.994	189	9.998	10.004	189	9.998	10.004
213	427.273	411.434	213	9.997	10.001	213	9.997	10.001
214	422.765	406.741	214	9.998	10.001	214	9.997	10.001
237	413.257	397.740	237	10.001	10.007	237	10.001	10.007
238	414.195	399.009	238	10.000	10.006	238	10.000	10.005
min	413.257	397.740	min	9.996	10.001	min	9.996	10.000
max	431.396	415.225	max	10.001	10.007	max	10.001	10.007
stdev	5.749	5.294	stdev	0.001	0.002	stdev	0.001	0.002
average	422.105	406.017	average	9.999	10.003	average	9.998	10.003
+3S	439.352	421.900	+3S	10.002	10.008	+3S	10.002	10.007
-3S	404.858	390.135	-3S	9.995	9.998	-3S	9.995	9.998



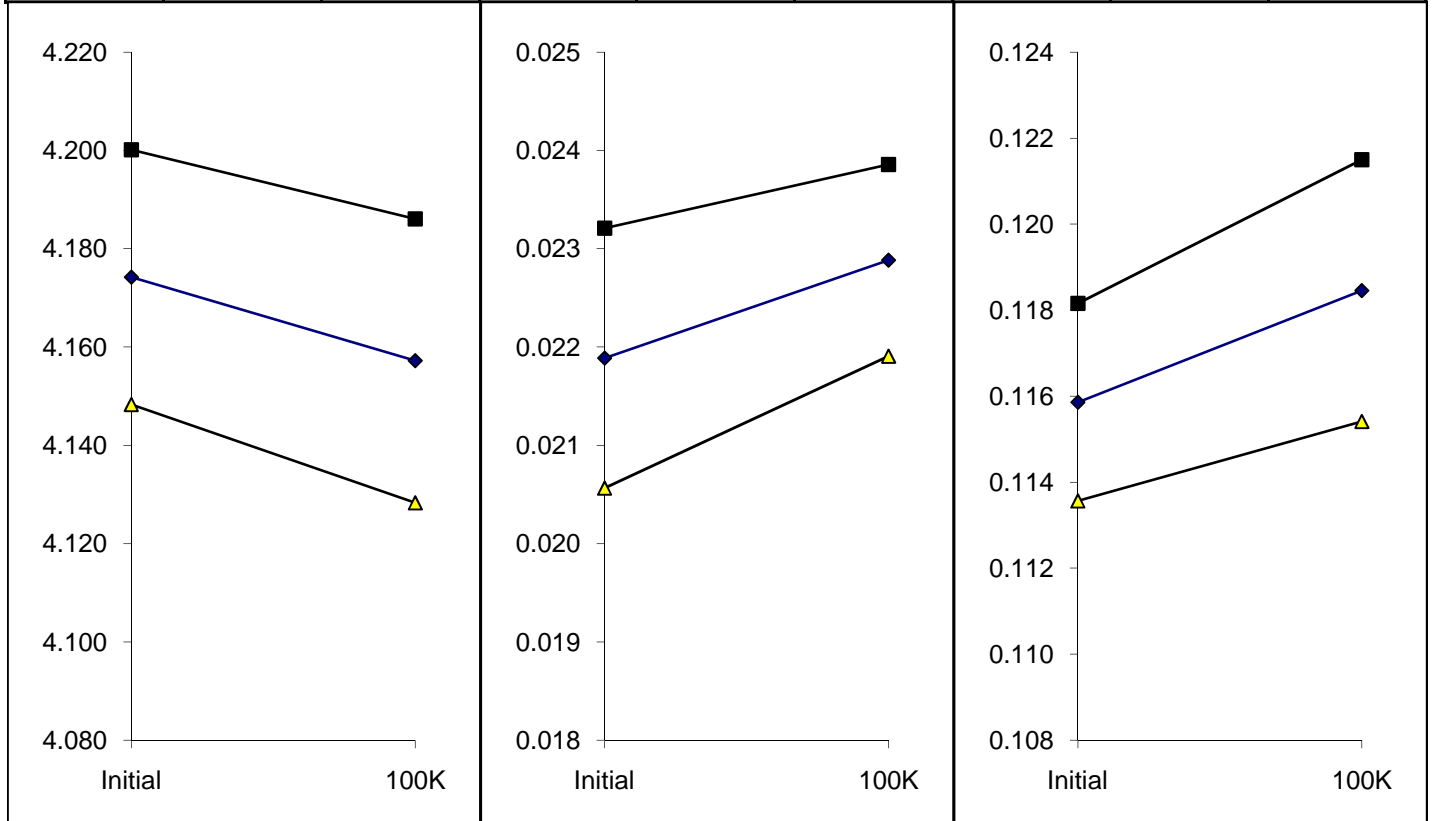
T#23	Vref_Load @1.5mA	V	T#31	Zin @10V	Ohms	T#32	Zin @20V	Ohms
SN	Initial	100K	SN	Initial	100K	SN	Initial	100K
1	9.997	9.997	1	4.542	4.543	1	9.041	9.043
2	9.997	10.002	2	4.554	4.557	2	9.071	9.071
3	9.997	10.002	3	4.512	4.517	3	8.986	8.994
24	9.996	10.000	24	4.668	4.671	24	9.296	9.305
25	10.000	10.005	25	4.569	4.571	25	9.100	9.103
47	10.000	10.005	47	4.691	4.694	47	9.343	9.344
48	9.998	10.002	48	4.532	4.535	48	9.027	9.031
71	9.998	10.001	71	4.740	4.738	71	9.440	9.439
72	9.999	10.003	72	4.727	4.728	72	9.415	9.417
94	9.998	10.002	94	4.824	4.825	94	9.604	9.607
95	9.998	10.002	95	4.731	4.731	95	9.417	9.426
117	9.998	10.001	117	4.684	4.687	117	9.327	9.333
118	10.000	10.003	118	4.630	4.632	118	9.223	9.223
140	9.998	10.003	140	4.571	4.573	140	9.102	9.105
141	9.998	10.004	141	4.699	4.703	141	9.365	9.366
163	9.998	10.003	163	4.567	4.568	163	9.097	9.098
164	9.997	10.001	164	4.621	4.621	164	9.202	9.203
188	9.998	10.003	188	4.547	4.548	188	9.057	9.056
189	9.998	10.004	189	4.546	4.547	189	9.053	9.056
213	9.997	10.001	213	4.557	4.560	213	9.075	9.076
214	9.997	10.001	214	4.567	4.569	214	9.096	9.096
237	10.001	10.007	237	4.832	4.832	237	9.624	9.618
238	10.000	10.005	238	4.824	4.823	238	9.604	9.604
min	9.996	10.000	min	4.512	4.517	min	8.986	8.994
max	10.001	10.007	max	4.832	4.832	max	9.624	9.618
stdev	0.001	0.002	stdev	0.102	0.101	stdev	0.203	0.202
average	9.998	10.003	average	4.645	4.647	average	9.251	9.253
+3S	10.002	10.007	+3S	4.951	4.951	+3S	9.860	9.860
-3S	9.995	9.998	-3S	4.339	4.343	-3S	8.642	8.647



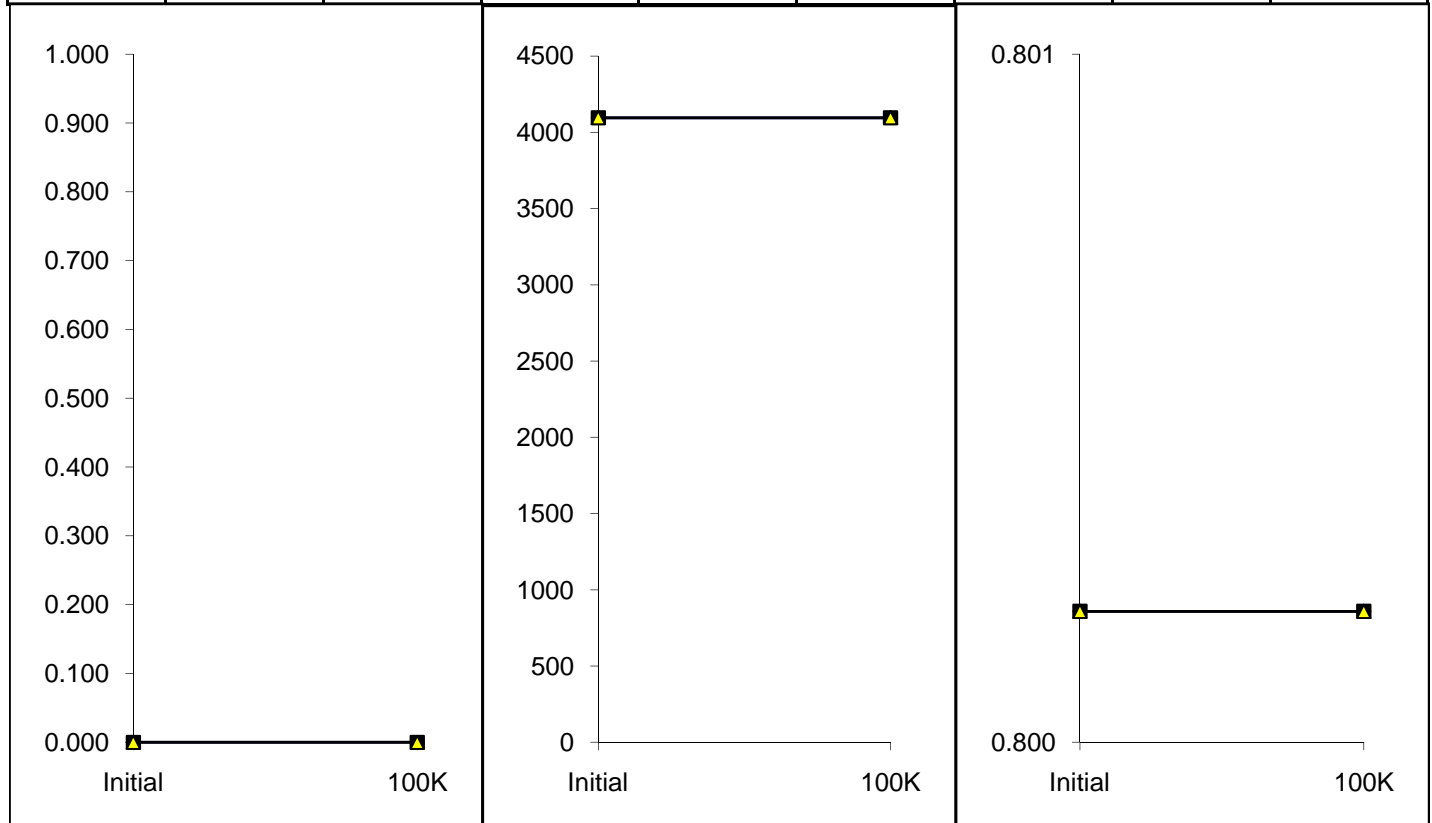
T#101	Data_Vol	V	T#102	Data_Voh	V	T#103	Data_Vol @1.6mA	V
SN	Initial	100K	SN	Initial	100K	SN	Initial	100K
1	0.023	0.023	1	4.512	4.513	1	0.276	0.114
2	0.022	0.024	2	4.511	4.487	2	0.265	0.118
3	0.021	0.024	3	4.500	4.484	3	0.263	0.119
24	0.021	0.023	24	4.507	4.493	24	0.258	0.117
25	0.020	0.023	25	4.493	4.482	25	0.255	0.120
47	0.022	0.024	47	4.509	4.494	47	0.251	0.118
48	0.021	0.023	48	4.494	4.482	48	0.251	0.120
71	0.022	0.023	71	4.515	4.494	71	0.236	0.118
72	0.021	0.023	72	4.502	4.492	72	0.236	0.118
94	0.022	0.024	94	4.510	4.497	94	0.235	0.117
95	0.022	0.024	95	4.501	4.491	95	0.236	0.118
117	0.022	0.024	117	4.513	4.503	117	0.234	0.117
118	0.022	0.024	118	4.512	4.503	118	0.232	0.117
140	0.021	0.024	140	4.499	4.476	140	0.234	0.119
141	0.022	0.024	141	4.506	4.486	141	0.228	0.117
163	0.021	0.024	163	4.494	4.478	163	0.228	0.120
164	0.021	0.023	164	4.502	4.489	164	0.231	0.118
188	0.021	0.023	188	4.500	4.480	188	0.229	0.120
189	0.021	0.023	189	4.502	4.488	189	0.225	0.118
213	0.022	0.024	213	4.507	4.494	213	0.224	0.118
214	0.022	0.024	214	4.511	4.498	214	0.225	0.117
237	0.021	0.023	237	4.503	4.469	237	0.226	0.118
238	0.021	0.024	238	4.500	4.473	238	0.224	0.117
min	0.020	0.023	min	4.493	4.469	min	0.224	0.117
max	0.022	0.024	max	4.515	4.503	max	0.265	0.120
stdev	0.001	0.000	stdev	0.006	0.009	stdev	0.013	0.001
average	0.021	0.024	average	4.504	4.488	average	0.238	0.118
+3S	0.023	0.025	+3S	4.523	4.516	+3S	0.277	0.122
-3S	0.020	0.023	-3S	4.485	4.460	-3S	0.198	0.115



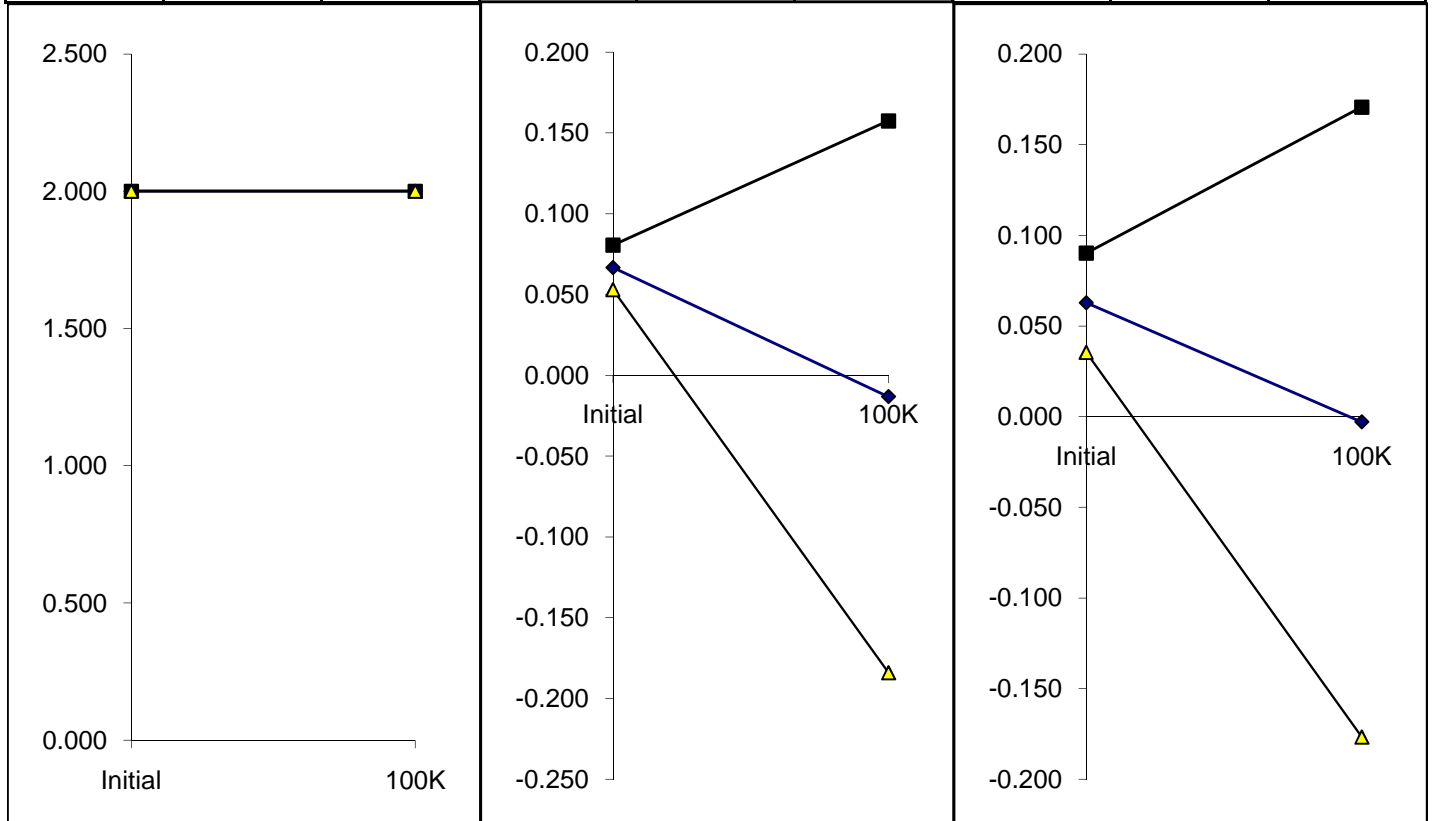
T#104	Data_Voh @500uA	V	T#105	STS_Vol	V	T#106	STS_Vol @1.6mA	V
SN	Initial	100K	SN	Initial	100K	SN	Initial	100K
1	4.173	4.184	1	0.023	0.023	1	0.117	0.117
2	4.176	4.164	2	0.023	0.023	2	0.116	0.118
3	4.163	4.155	3	0.022	0.023	3	0.115	0.120
24	4.175	4.161	24	0.022	0.023	24	0.115	0.117
25	4.156	4.141	25	0.021	0.023	25	0.117	0.120
47	4.183	4.164	47	0.022	0.023	47	0.116	0.118
48	4.163	4.144	48	0.021	0.022	48	0.116	0.120
71	4.184	4.168	71	0.022	0.023	71	0.117	0.118
72	4.172	4.164	72	0.022	0.023	72	0.115	0.118
94	4.184	4.164	94	0.023	0.023	94	0.115	0.118
95	4.173	4.163	95	0.022	0.023	95	0.117	0.118
117	4.188	4.169	117	0.023	0.024	117	0.115	0.118
118	4.183	4.167	118	0.022	0.023	118	0.116	0.118
140	4.168	4.147	140	0.021	0.023	140	0.116	0.118
141	4.179	4.160	141	0.021	0.022	141	0.115	0.119
163	4.161	4.140	163	0.021	0.023	163	0.116	0.119
164	4.172	4.151	164	0.021	0.022	164	0.115	0.118
188	4.170	4.149	188	0.021	0.023	188	0.117	0.119
189	4.174	4.151	189	0.022	0.023	189	0.117	0.119
213	4.179	4.171	213	0.022	0.023	213	0.117	0.118
214	4.186	4.166	214	0.022	0.023	214	0.116	0.116
237	4.173	4.153	237	0.022	0.023	237	0.116	0.118
238	4.171	4.148	238	0.022	0.023	238	0.115	0.117
min	4.156	4.140	min	0.021	0.022	min	0.115	0.116
max	4.188	4.171	max	0.023	0.024	max	0.117	0.120
stdev	0.009	0.010	stdev	0.000	0.000	stdev	0.001	0.001
average	4.174	4.157	average	0.022	0.023	average	0.116	0.118
+3S	4.200	4.186	+3S	0.023	0.024	+3S	0.118	0.121
-3S	4.148	4.128	-3S	0.021	0.022	-3S	0.114	0.115



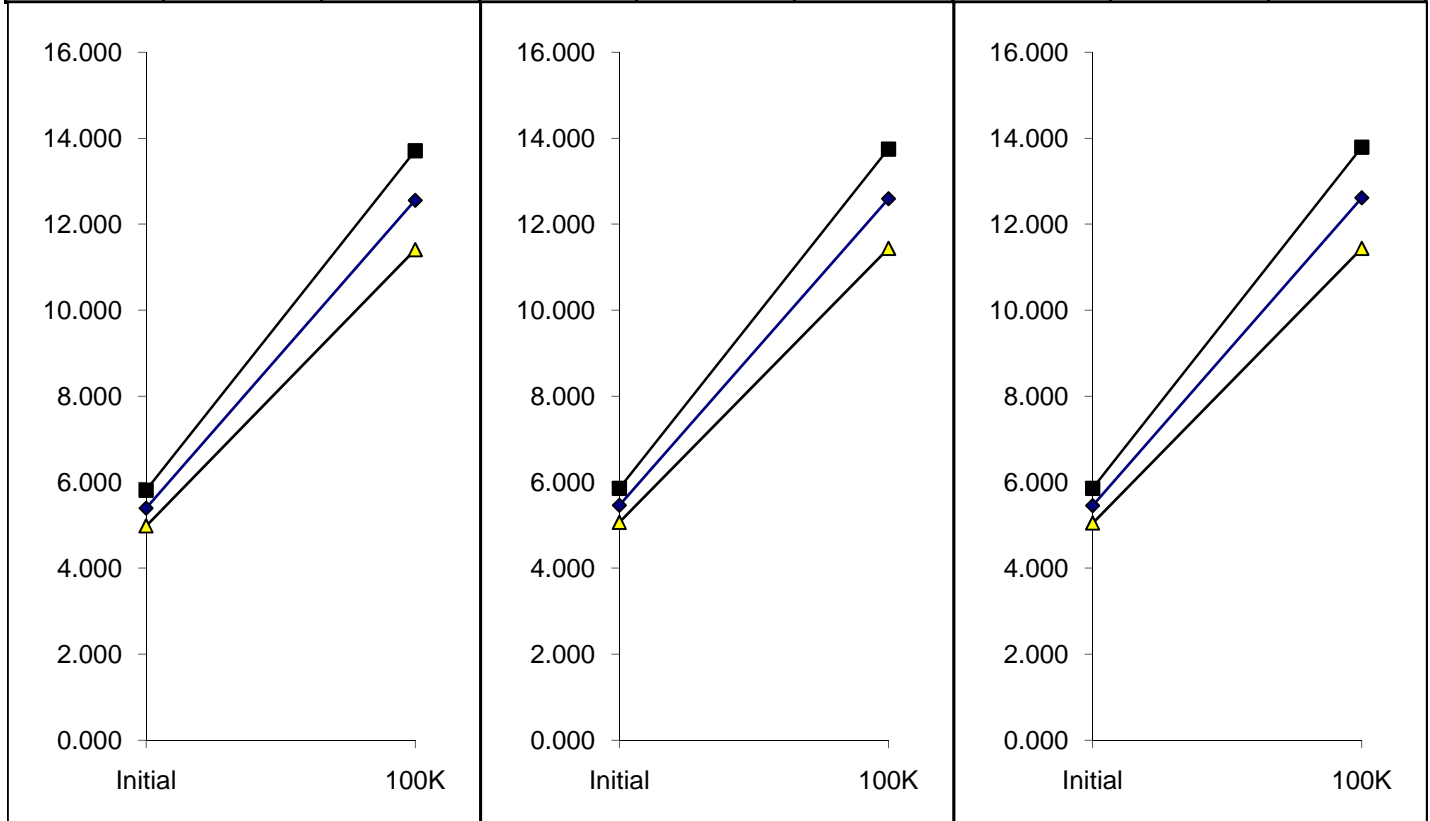
T#107	Conv_data_LO	dec	T#108	Conv_data_HI	dec	T#109	F_Test:inputL	V
SN	Initial	100K	SN	Initial	100K	SN	Initial	100K
1	0.000	0.000	1	4095	4095	1	0.800	0.800
2	0.000	0.000	2	4095	4095	2	0.800	0.800
3	0.000	0.000	3	4095	4095	3	0.800	0.800
24	0.000	0.000	24	4095	4095	24	0.800	0.800
25	0.000	0.000	25	4095	4095	25	0.800	0.800
47	0.000	0.000	47	4095	4095	47	0.800	0.800
48	0.000	0.000	48	4095	4095	48	0.800	0.800
71	0.000	0.000	71	4095	4095	71	0.800	0.800
72	0.000	0.000	72	4095	4095	72	0.800	0.800
94	0.000	0.000	94	4095	4095	94	0.800	0.800
95	0.000	0.000	95	4095	4095	95	0.800	0.800
117	0.000	0.000	117	4095	4095	117	0.800	0.800
118	0.000	0.000	118	4095	4095	118	0.800	0.800
140	0.000	0.000	140	4095	4095	140	0.800	0.800
141	0.000	0.000	141	4095	4095	141	0.800	0.800
163	0.000	0.000	163	4095	4095	163	0.800	0.800
164	0.000	0.000	164	4095	4095	164	0.800	0.800
188	0.000	0.000	188	4095	4095	188	0.800	0.800
189	0.000	0.000	189	4095	4095	189	0.800	0.800
213	0.000	0.000	213	4095	4095	213	0.800	0.800
214	0.000	0.000	214	4095	4095	214	0.800	0.800
237	0.000	0.000	237	4095	4095	237	0.800	0.800
238	0.000	0.000	238	4095	4095	238	0.800	0.800
min	0.000	0.000	min	4095	4095	min	0.800	0.800
max	0.000	0.000	max	4095	4095	max	0.800	0.800
stdev	0.000	0.000	stdev	0	0	stdev	0.000	0.000
average	0.000	0.000	average	4095	4095	average	0.800	0.800
+3S	0.000	0.000	+3S	4095	4095	+3S	0.800	0.800
-3S	0.000	0.000	-3S	4095	4095	-3S	0.800	0.800



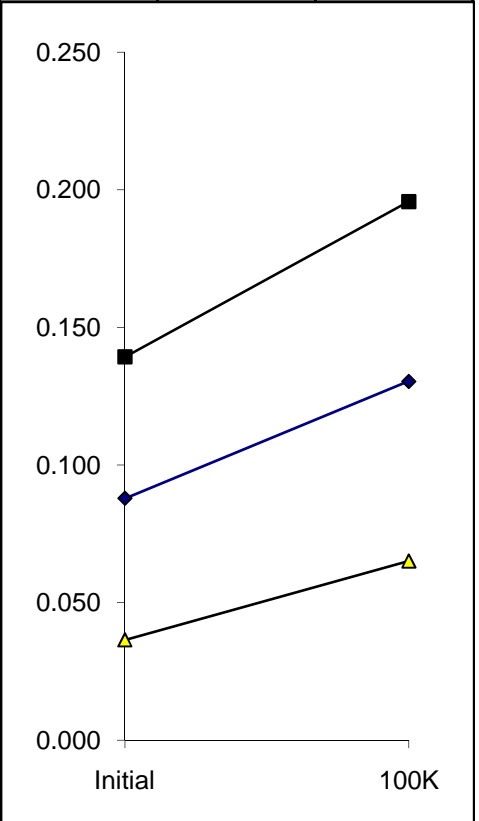
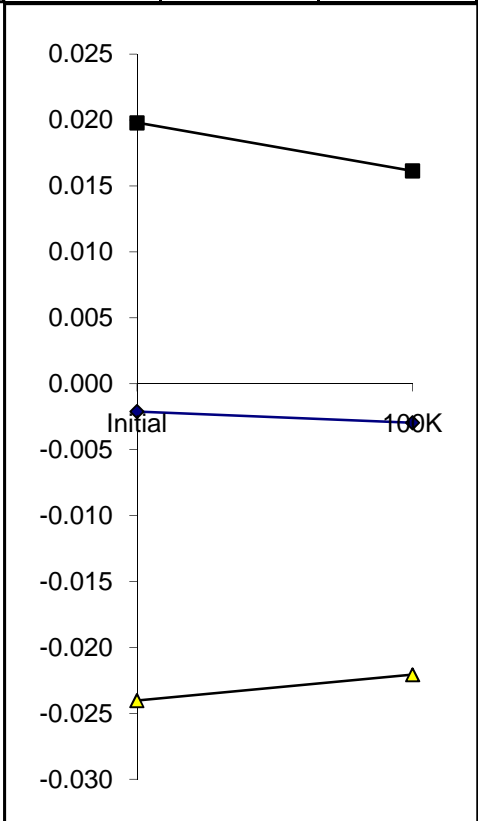
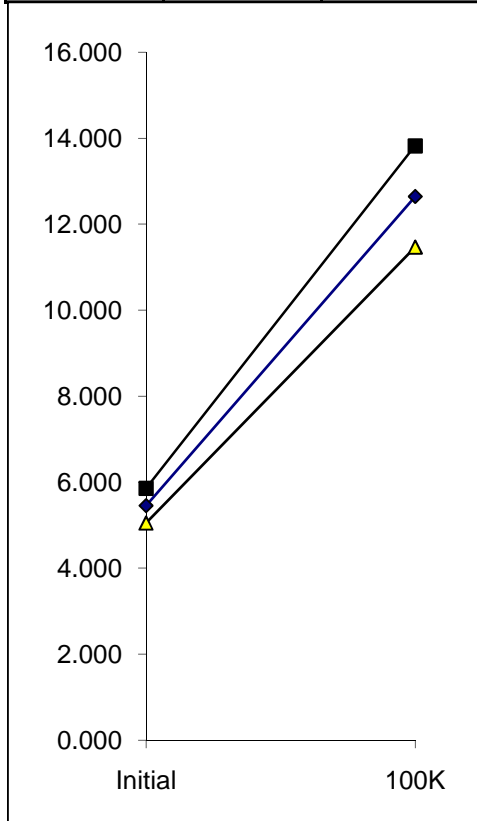
T#110	Ftest_inputH	V	T#201	HiZ IZH_5.0V	A	T#202	HiZ IZL_0V	A
SN	Initial	100K	SN	Initial	100K	SN	Initial	100K
1	2.000	2.000	1	0.067	0.060	1	0.067	0.060
2	2.000	2.000	2	0.067	-0.053	2	0.067	-0.053
3	2.000	2.000	3	0.073	-0.053	3	0.073	0.060
24	2.000	2.000	24	0.067	-0.053	24	0.060	-0.053
25	2.000	2.000	25	0.073	0.060	25	0.067	0.047
47	2.000	2.000	47	0.067	0.060	47	0.067	-0.053
48	2.000	2.000	48	0.053	-0.053	48	0.053	-0.053
71	2.000	2.000	71	0.067	0.060	71	0.060	-0.053
72	2.000	2.000	72	0.067	0.060	72	0.073	0.073
94	2.000	2.000	94	0.067	0.060	94	0.047	0.060
95	2.000	2.000	95	0.067	-0.053	95	0.060	0.053
117	2.000	2.000	117	0.067	-0.053	117	0.053	-0.053
118	2.000	2.000	118	0.067	0.060	118	0.080	-0.053
140	2.000	2.000	140	0.067	-0.060	140	0.073	0.060
141	2.000	2.000	141	0.073	-0.053	141	0.067	-0.067
163	2.000	2.000	163	0.060	-0.053	163	0.047	0.060
164	2.000	2.000	164	0.067	-0.053	164	0.067	0.060
188	2.000	2.000	188	0.060	-0.053	188	0.067	-0.053
189	2.000	2.000	189	0.067	0.060	189	0.067	-0.053
213	2.000	2.000	213	0.073	-0.053	213	0.067	0.053
214	2.000	2.000	214	0.067	0.060	214	0.047	0.060
237	2.000	2.000	237	0.067	-0.053	237	0.060	-0.053
238	2.000	2.000	238	0.067	-0.073	238	0.060	-0.053
min	2.000	2.000	min	0.053	-0.073	min	0.047	-0.067
max	2.000	2.000	max	0.073	0.060	max	0.080	0.073
stdev	0.000	0.000	stdev	0.005	0.057	stdev	0.009	0.058
average	2.000	2.000	average	0.067	-0.013	average	0.063	-0.003
+3S	2.000	2.000	+3S	0.081	0.157	+3S	0.090	0.171
-3S	2.000	2.000	-3S	0.053	-0.184	-3S	0.035	-0.177



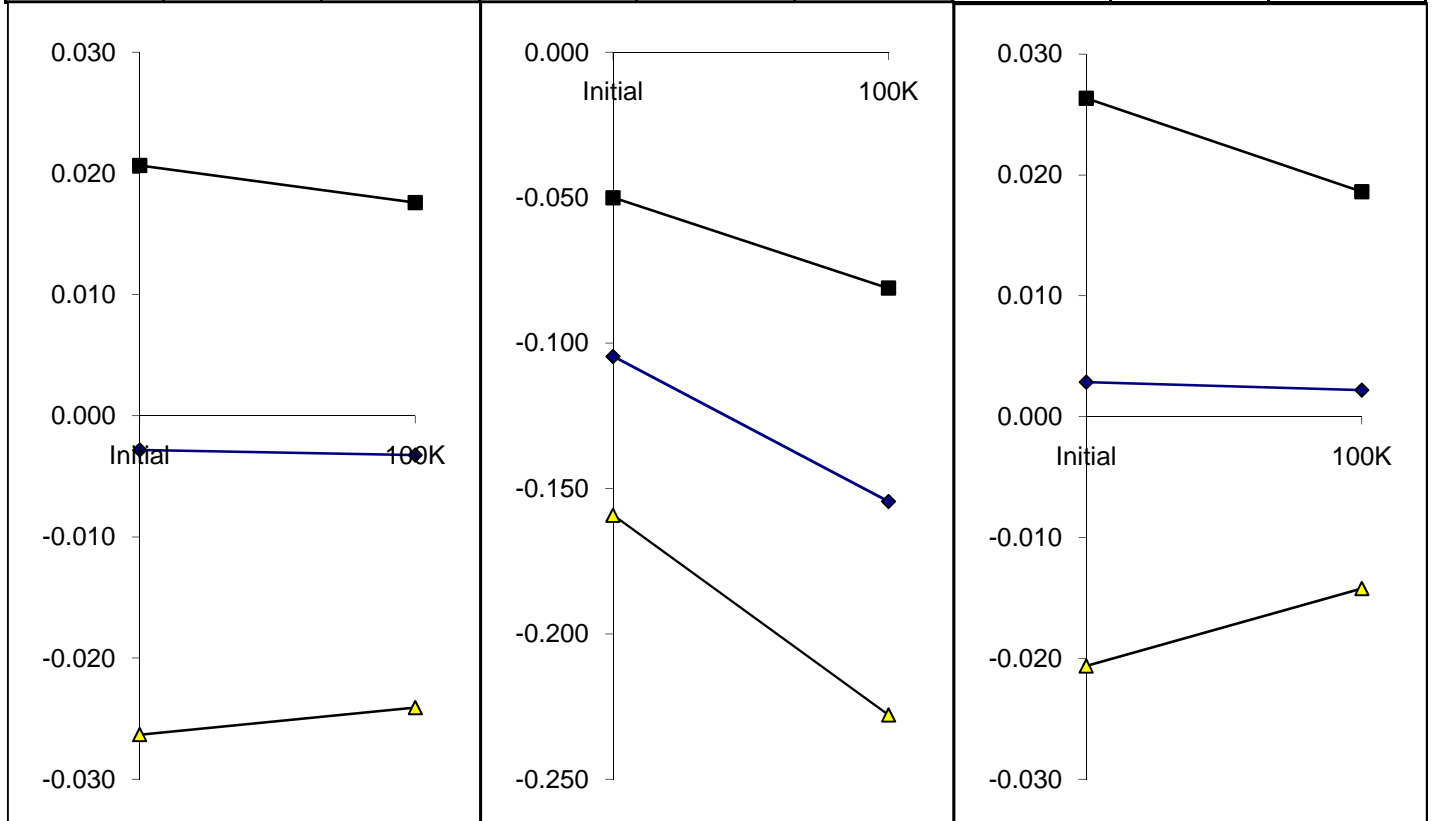
T#203	Dinput IiH 2.0V	A	T#204	Dinput IiH 5.0V	A	T#205	Dinput IiL -0.5V	A
SN	Initial	100K	SN	Initial	100K	SN	Initial	100K
1	5.089	5.069	1	5.209	5.189	1	5.183	5.162
2	5.343	12.965	2	5.423	13.005	2	5.383	13.072
3	5.343	12.965	3	5.410	13.085	3	5.356	13.098
24	5.343	12.562	24	5.396	12.535	24	5.396	12.495
25	5.583	13.112	25	5.610	13.232	25	5.610	13.259
47	5.276	12.174	47	5.343	12.190	47	5.343	12.230
48	5.623	12.778	48	5.690	12.845	48	5.677	12.858
71	5.249	12.163	71	5.343	12.177	71	5.329	12.217
72	5.289	12.030	72	5.343	12.150	72	5.343	12.150
94	5.423	11.907	94	5.490	11.963	94	5.490	12.003
95	5.396	12.831	95	5.463	12.898	95	5.463	12.965
117	5.263	12.415	117	5.343	12.415	117	5.343	12.404
118	5.350	12.030	118	5.463	12.163	118	5.423	12.150
140	5.396	12.922	140	5.463	12.925	140	5.463	12.951
141	5.329	12.562	141	5.370	12.537	141	5.343	12.564
163	5.516	12.949	163	5.570	12.965	163	5.583	12.965
164	5.370	12.535	164	5.476	12.508	164	5.436	12.457
188	5.410	12.548	188	5.490	12.577	188	5.490	12.644
189	5.216	12.364	189	5.276	12.430	189	5.276	12.457
213	5.543	12.415	213	5.623	12.417	213	5.610	12.430
214	5.209	12.041	214	5.276	12.030	214	5.263	12.030
237	5.530	12.896	237	5.597	12.898	237	5.583	12.965
238	5.730	13.083	238	5.757	13.098	238	5.757	13.098
min	5.209	11.907	min	5.276	11.963	min	5.263	12.003
max	5.730	13.112	max	5.757	13.232	max	5.757	13.259
stdev	0.138	0.382	stdev	0.131	0.385	stdev	0.134	0.392
average	5.397	12.557	average	5.464	12.593	average	5.453	12.612
+3S	5.812	13.703	+3S	5.858	13.747	+3S	5.856	13.789
-3S	4.982	11.410	-3S	5.071	11.439	-3S	5.050	11.435



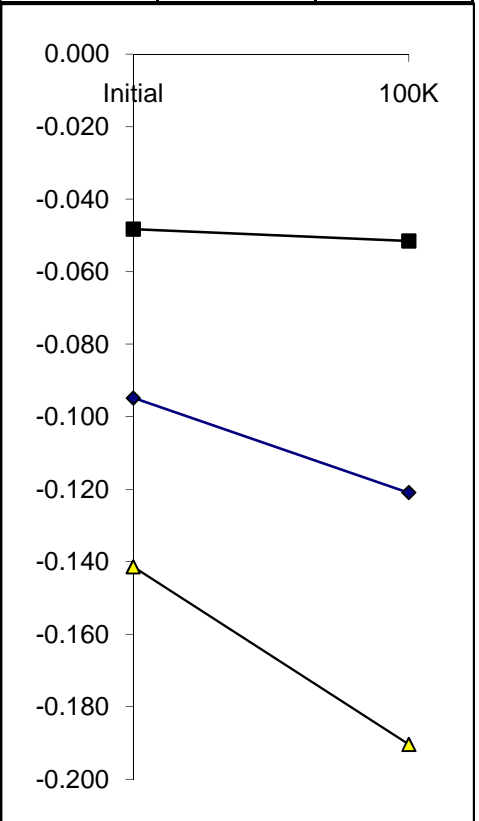
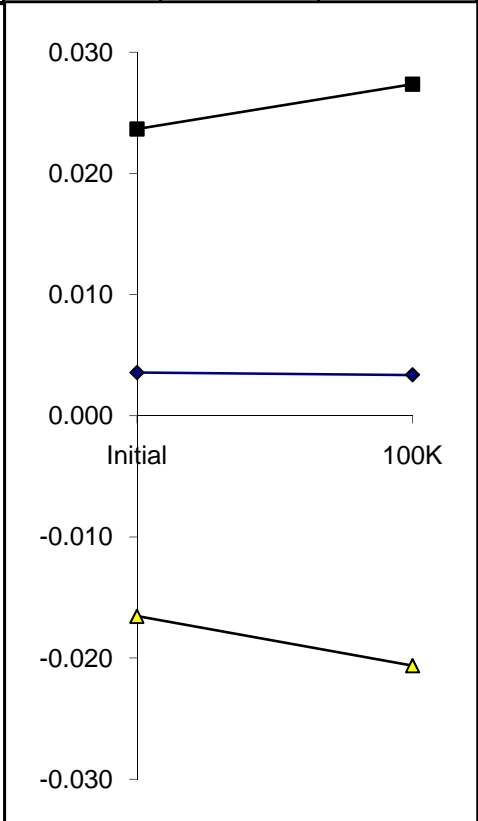
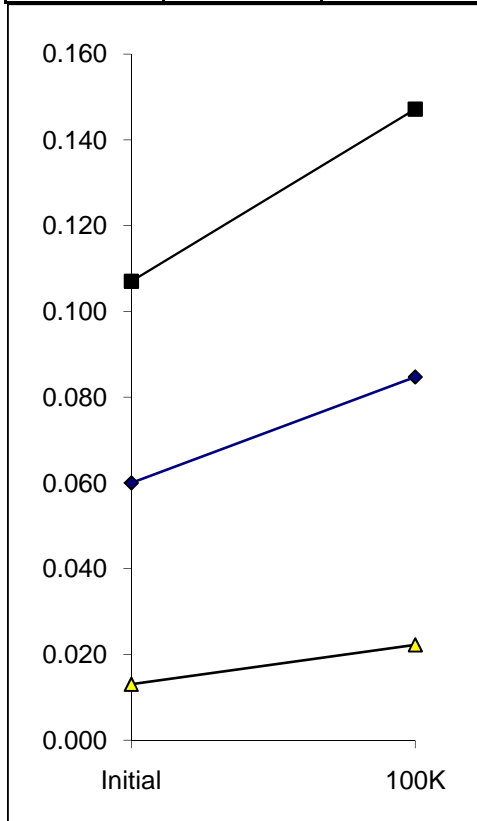
T#206	Dinput IiL 0.8V	A	T#301	PSRR1_0	LSB	T#302	PSRR1_1	LSB
SN	Initial	100K	SN	Initial	100K	SN	Initial	100K
1	5.183	5.176	1	0.016	0.016	1	0.057	0.069
2	5.410	13.098	2	-0.016	0.000	2	0.068	0.125
3	5.370	13.112	3	0.000	0.006	3	0.078	0.096
24	5.396	12.495	24	0.000	-0.016	24	0.119	0.109
25	5.623	13.285	25	0.000	0.000	25	0.068	0.131
47	5.343	12.257	47	-0.016	0.000	47	0.094	0.129
48	5.677	12.951	48	0.000	0.000	48	0.063	0.096
71	5.316	12.284	71	0.000	-0.016	71	0.072	0.109
72	5.343	12.163	72	0.000	0.000	72	0.109	0.141
94	5.476	12.030	94	0.000	0.000	94	0.104	0.172
95	5.476	12.965	95	0.000	-0.005	95	0.070	0.120
117	5.316	12.430	117	0.000	0.000	117	0.085	0.141
118	5.396	12.163	118	0.000	0.000	118	0.088	0.113
140	5.463	12.978	140	0.000	-0.016	140	0.078	0.125
141	5.343	12.577	141	0.000	-0.016	141	0.077	0.141
163	5.570	13.018	163	0.000	0.000	163	0.094	0.121
164	5.463	12.497	164	0.000	0.000	164	0.094	0.128
188	5.476	12.698	188	0.000	0.000	188	0.071	0.135
189	5.276	12.484	189	0.000	0.000	189	0.078	0.141
213	5.623	12.430	213	-0.016	0.000	213	0.114	0.185
214	5.276	12.123	214	0.016	0.000	214	0.097	0.155
237	5.583	12.965	237	0.000	0.000	237	0.094	0.117
238	5.744	13.179	238	-0.016	-0.004	238	0.118	0.141
min	5.276	12.030	min	-0.016	-0.016	min	0.063	0.096
max	5.744	13.285	max	0.016	0.006	max	0.119	0.185
stdev	0.134	0.392	stdev	0.007	0.006	stdev	0.017	0.022
average	5.453	12.645	average	-0.002	-0.003	average	0.088	0.130
+3S	5.855	13.822	+3S	0.020	0.016	+3S	0.139	0.196
-3S	5.051	11.468	-3S	-0.024	-0.022	-3S	0.036	0.065



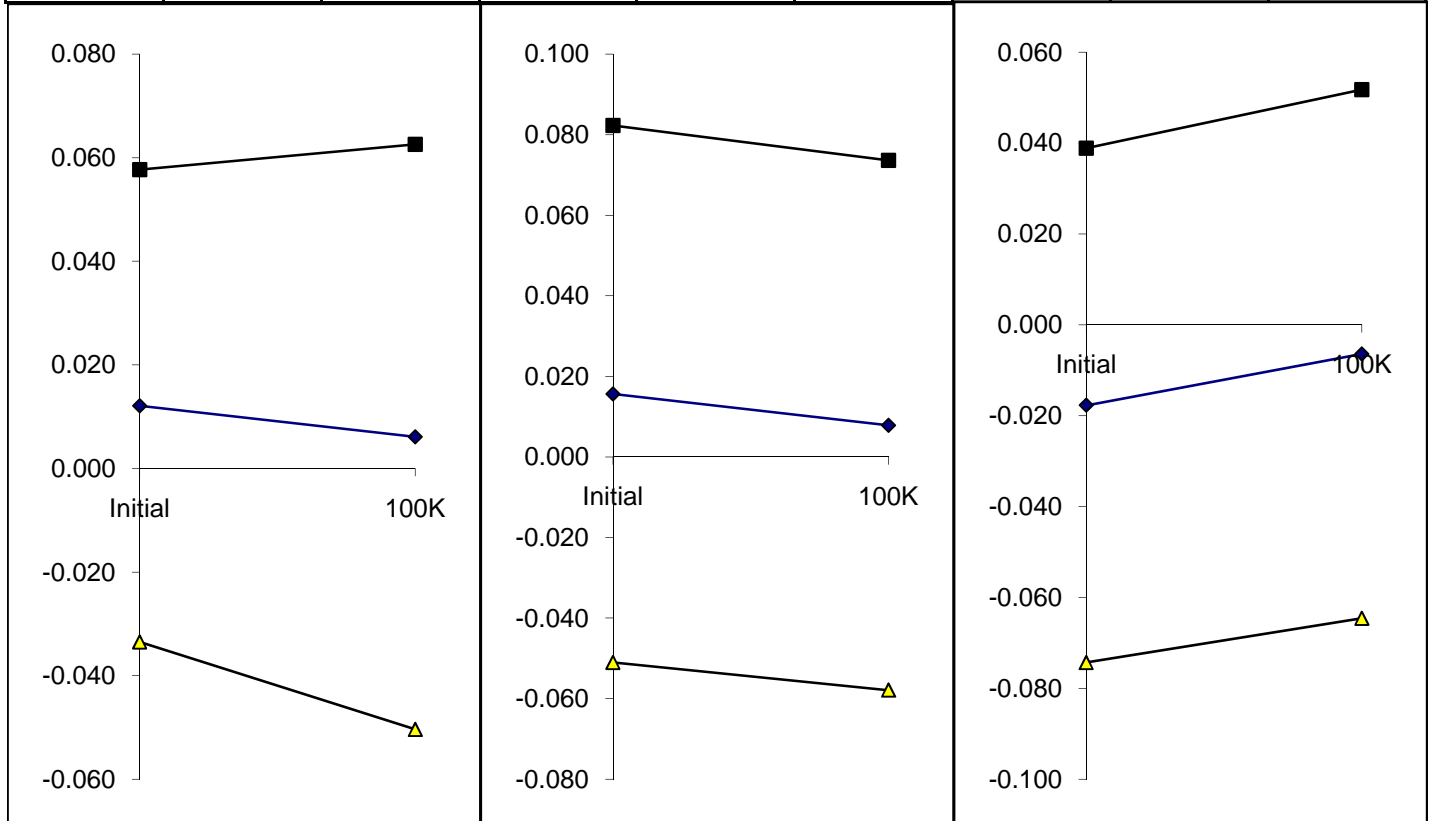
T#303	PSRR1_0	LSB	T#304	PSRR1_1	LSB	T#305	PSRR2_0	LSB
SN	Initial	100K	SN	Initial	100K	SN	Initial	100K
1	0.000	0.000	1	-0.134	-0.113	1	0.016	-0.016
2	-0.016	0.000	2	-0.107	-0.187	2	0.000	0.000
3	0.000	0.000	3	-0.094	-0.160	3	0.000	0.000
24	0.000	-0.016	24	-0.130	-0.177	24	0.016	0.000
25	0.000	0.000	25	-0.082	-0.132	25	0.000	0.001
47	-0.016	0.000	47	-0.109	-0.190	47	0.016	0.000
48	-0.016	0.000	48	-0.125	-0.179	48	0.000	0.000
71	0.000	-0.016	71	-0.102	-0.156	71	0.000	0.016
72	0.000	-0.016	72	-0.109	-0.172	72	0.000	0.016
94	0.000	0.000	94	-0.094	-0.111	94	-0.016	0.000
95	0.000	0.005	95	-0.096	-0.161	95	0.000	0.000
117	0.000	0.000	117	-0.112	-0.119	117	0.016	0.000
118	-0.016	0.000	118	-0.094	-0.166	118	0.000	0.000
140	0.000	-0.016	140	-0.055	-0.125	140	0.000	0.000
141	0.000	-0.016	141	-0.125	-0.128	141	0.000	0.000
163	0.000	0.000	163	-0.094	-0.155	163	0.000	0.000
164	0.000	0.000	164	-0.078	-0.114	164	0.000	0.000
188	0.000	0.000	188	-0.125	-0.146	188	0.000	0.000
189	0.000	0.000	189	-0.109	-0.139	189	0.000	0.000
213	-0.016	0.000	213	-0.104	-0.159	213	0.000	0.000
214	0.016	0.000	214	-0.125	-0.163	214	0.016	0.000
237	0.000	0.000	237	-0.109	-0.184	237	0.016	0.000
238	0.000	0.001	238	-0.122	-0.177	238	0.000	0.016
min	-0.016	-0.016	min	-0.130	-0.190	min	-0.016	0.000
max	0.016	0.005	max	-0.055	-0.111	max	0.016	0.016
stdev	0.008	0.007	stdev	0.018	0.024	stdev	0.008	0.005
average	-0.003	-0.003	average	-0.105	-0.155	average	0.003	0.002
+3S	0.021	0.018	+3S	-0.050	-0.081	+3S	0.026	0.019
-3S	-0.026	-0.024	-3S	-0.159	-0.228	-3S	-0.021	-0.014



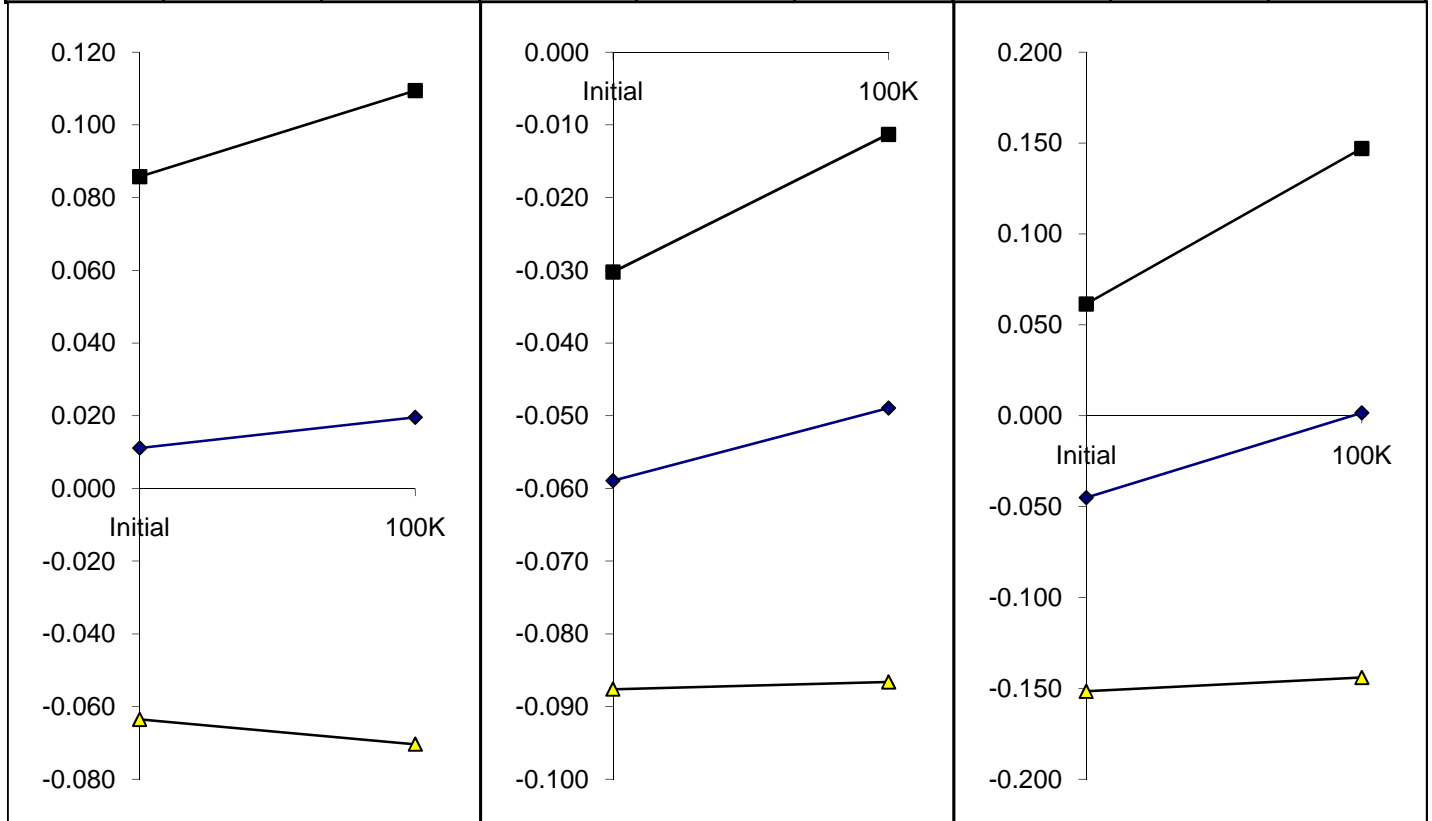
T#306	PSRR2_1	LSB	T#307	PSRR2_0	LSB	T#308	PSRR2_1	LSB
SN	Initial	100K	SN	Initial	100K	SN	Initial	100K
1	0.058	0.044	1	0.016	0.000	1	-0.088	-0.123
2	0.080	0.094	2	0.000	0.000	2	-0.091	-0.124
3	0.063	0.082	3	0.000	0.000	3	-0.094	-0.109
24	0.063	0.073	24	0.016	0.000	24	-0.094	-0.145
25	0.031	0.069	25	0.000	0.011	25	-0.107	-0.140
47	0.062	0.096	47	0.000	0.000	47	-0.109	-0.086
48	0.063	0.102	48	0.000	0.000	48	-0.078	-0.099
71	0.059	0.093	71	0.000	0.031	71	-0.126	-0.142
72	0.078	0.099	72	0.000	0.016	72	-0.094	-0.118
94	0.067	0.113	94	0.000	0.000	94	-0.109	-0.109
95	0.063	0.098	95	0.016	0.000	95	-0.113	-0.075
117	0.070	0.096	117	0.016	0.000	117	-0.104	-0.132
118	0.046	0.087	118	0.000	0.000	118	-0.099	-0.125
140	0.059	0.047	140	0.000	0.000	140	-0.083	-0.140
141	0.047	0.082	141	0.000	0.000	141	-0.094	-0.105
163	0.047	0.121	163	0.016	0.000	163	-0.094	-0.098
164	0.047	0.047	164	0.000	0.000	164	-0.094	-0.125
188	0.025	0.062	188	0.000	0.000	188	-0.109	-0.156
189	0.063	0.101	189	0.000	0.000	189	-0.057	-0.125
213	0.048	0.083	213	0.000	0.000	213	-0.082	-0.130
214	0.088	0.103	214	0.000	0.000	214	-0.073	-0.089
237	0.078	0.051	237	0.016	0.000	237	-0.078	-0.125
238	0.077	0.064	238	0.000	0.016	238	-0.105	-0.166
min	0.025	0.047	min	0.000	0.000	min	-0.126	-0.166
max	0.088	0.121	max	0.016	0.031	max	-0.057	-0.075
stdev	0.016	0.021	stdev	0.007	0.008	stdev	0.016	0.023
average	0.060	0.085	average	0.004	0.003	average	-0.095	-0.121
+3S	0.107	0.147	+3S	0.024	0.027	+3S	-0.048	-0.052
-3S	0.013	0.022	-3S	-0.017	-0.021	-3S	-0.141	-0.190



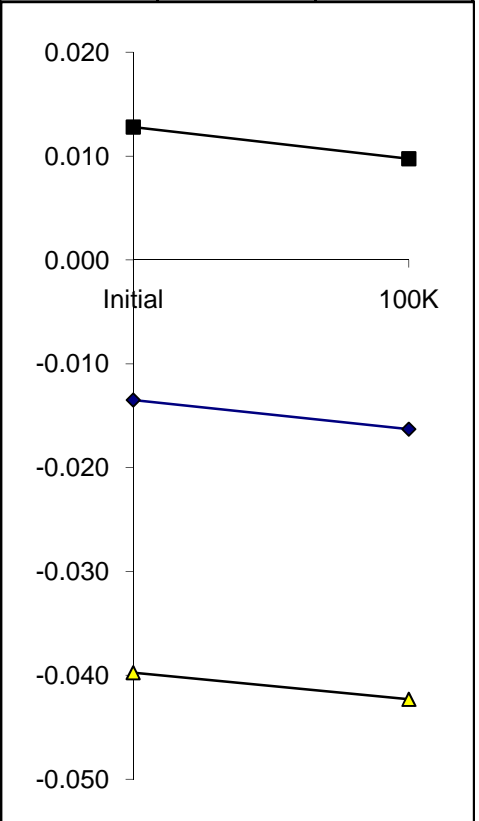
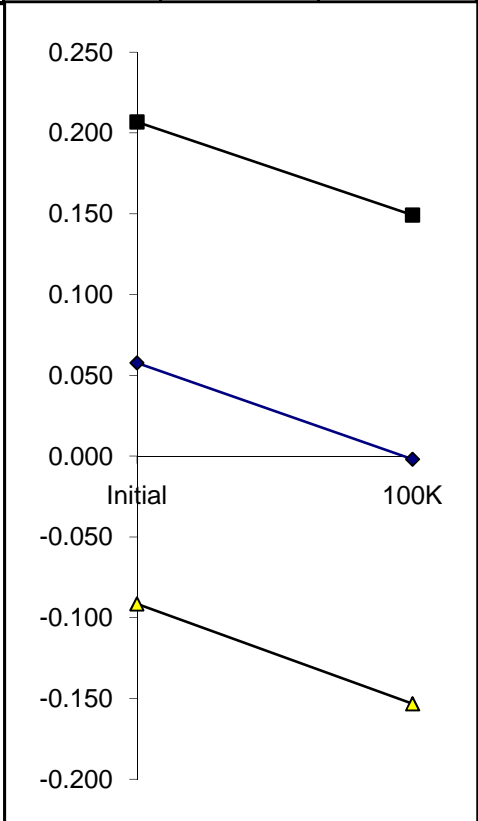
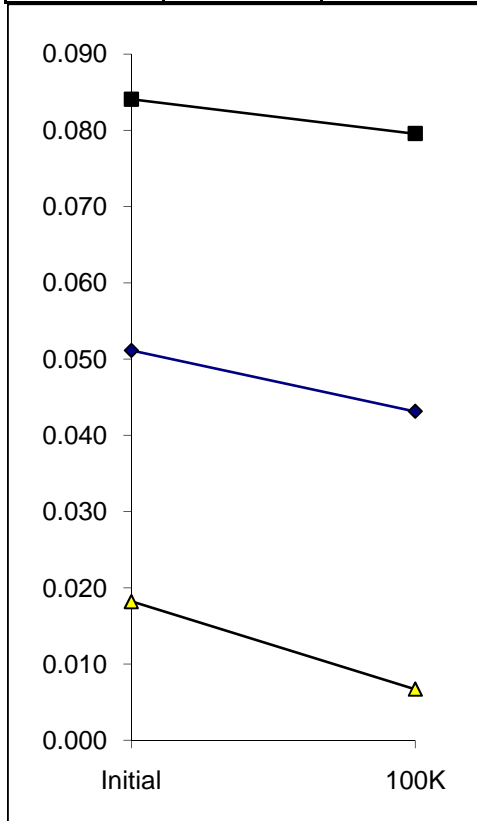
T#309	PSRR3_0	LSB	T#310	PSRR3_1	LSB	T#311	PSRR3_0	LSB
SN	Initial	100K	SN	Initial	100K	SN	Initial	100K
1	0.000	0.016	1	0.003	-0.022	1	0.000	-0.016
2	0.000	0.000	2	-0.009	0.000	2	-0.031	-0.016
3	0.031	0.030	3	0.016	-0.001	3	-0.031	-0.021
24	0.000	-0.016	24	-0.021	-0.016	24	-0.016	0.000
25	0.000	-0.016	25	0.021	-0.004	25	0.000	0.026
47	0.031	0.047	47	0.062	0.030	47	-0.063	-0.047
48	-0.016	0.000	48	-0.016	-0.039	48	-0.016	0.016
71	0.016	0.000	71	-0.005	0.000	71	-0.016	-0.016
72	0.031	0.000	72	0.031	-0.016	72	0.000	-0.016
94	0.000	0.000	94	0.047	0.017	94	0.000	0.000
95	0.000	0.021	95	0.016	-0.026	95	-0.016	0.021
117	0.031	0.016	117	0.030	0.031	117	-0.016	-0.016
118	0.016	0.016	118	0.036	0.014	118	-0.031	0.000
140	0.000	-0.031	140	0.017	0.000	140	-0.016	0.000
141	0.016	0.016	141	0.000	0.031	141	-0.047	-0.031
163	-0.016	-0.016	163	0.000	0.020	163	0.016	0.031
164	0.016	0.016	164	0.031	0.021	164	-0.016	0.000
188	0.031	0.000	188	-0.026	0.011	188	0.000	0.000
189	0.016	-0.016	189	0.016	0.000	189	0.000	0.000
213	0.000	0.016	213	0.014	0.034	213	-0.016	-0.016
214	0.016	0.000	214	0.027	0.046	214	0.000	0.000
237	0.031	0.016	237	0.031	-0.013	237	-0.031	-0.031
238	0.016	0.036	238	0.024	0.031	238	-0.047	-0.027
min	-0.016	-0.031	min	-0.026	-0.039	min	-0.063	-0.047
max	0.031	0.047	max	0.062	0.046	max	0.016	0.031
stdev	0.015	0.019	stdev	0.022	0.022	stdev	0.019	0.019
average	0.012	0.006	average	0.016	0.008	average	-0.018	-0.006
+3S	0.058	0.063	+3S	0.082	0.074	+3S	0.039	0.052
-3S	-0.034	-0.050	-3S	-0.051	-0.058	-3S	-0.074	-0.065



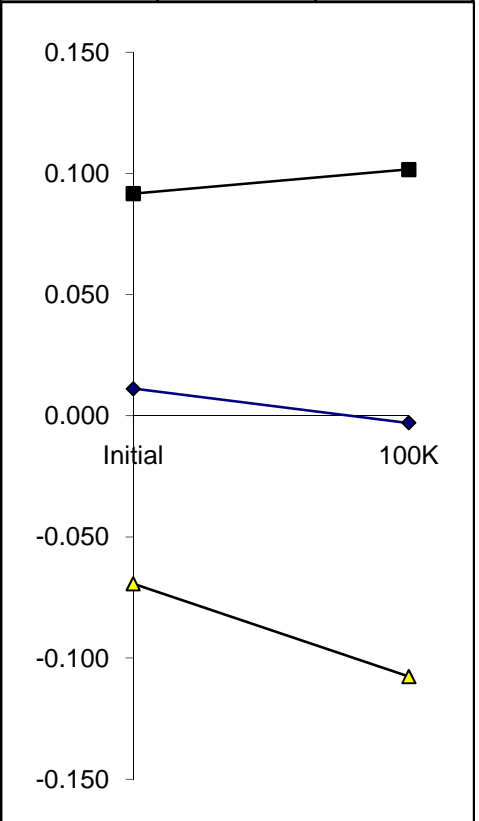
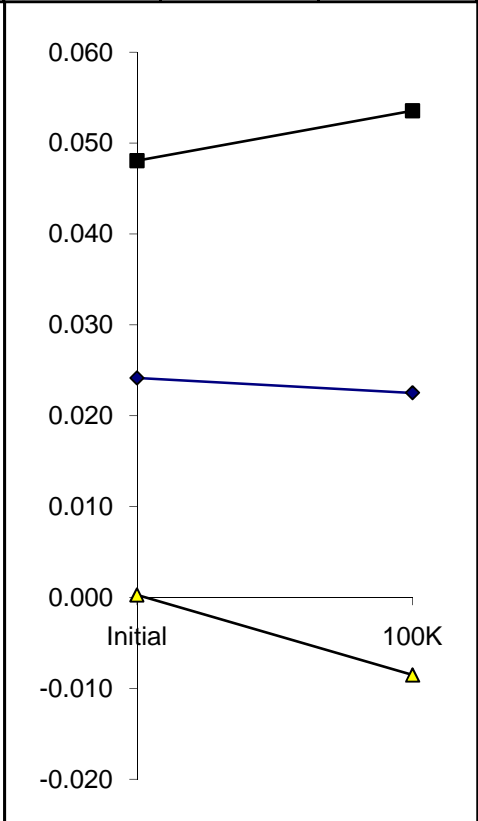
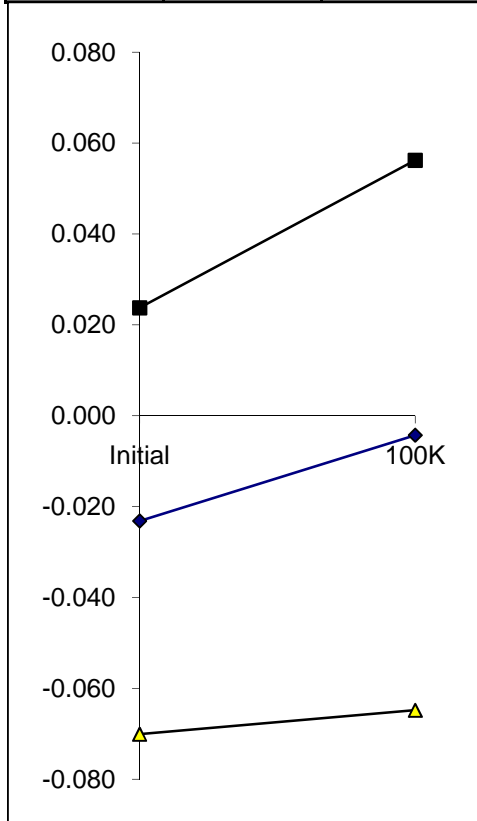
T#312	PSRR3_1	LSB	T#313	PSRR4_0	LSB	T#314	PSRR4_1	LSB
SN	Initial	100K	SN	Initial	100K	SN	Initial	100K
1	-0.039	-0.031	1	-0.063	-0.063	1	-0.126	-0.109
2	-0.020	0.000	2	-0.078	-0.063	2	-0.048	0.016
3	-0.016	-0.012	3	-0.047	-0.021	3	-0.078	-0.048
24	-0.005	0.031	24	-0.047	-0.047	24	-0.063	0.016
25	0.036	0.068	25	-0.047	-0.047	25	-0.036	0.032
47	-0.031	-0.046	47	-0.063	-0.031	47	0.000	0.046
48	0.000	0.020	48	-0.063	-0.047	48	-0.094	-0.075
71	0.016	0.000	71	-0.063	-0.063	71	-0.015	0.016
72	0.031	0.000	72	-0.047	-0.063	72	-0.063	-0.047
94	0.031	0.059	94	-0.063	-0.047	94	-0.078	-0.009
95	0.011	0.031	95	-0.063	-0.061	95	-0.075	-0.124
117	-0.001	0.031	117	-0.047	-0.063	117	0.009	0.031
118	0.021	-0.037	118	-0.063	-0.047	118	-0.062	-0.041
140	0.049	0.047	140	-0.063	-0.047	140	-0.035	0.047
141	-0.026	0.042	141	-0.063	-0.062	141	-0.031	0.062
163	0.063	0.066	163	-0.063	-0.047	163	-0.078	-0.035
164	0.031	0.016	164	-0.063	-0.047	164	-0.047	-0.020
188	-0.011	0.036	188	-0.063	-0.063	188	0.000	0.051
189	0.016	0.016	189	-0.063	-0.047	189	-0.031	0.016
213	0.009	0.039	213	-0.078	-0.063	213	-0.046	0.035
214	0.039	0.020	214	-0.047	-0.047	214	-0.100	-0.028
237	0.000	0.002	237	-0.063	-0.031	237	-0.062	0.030
238	0.000	0.000	238	-0.047	-0.028	238	0.040	0.062
min	-0.031	-0.046	min	-0.078	-0.063	min	-0.100	-0.124
max	0.063	0.068	max	-0.047	-0.021	max	0.040	0.062
stdev	0.025	0.030	stdev	0.010	0.013	stdev	0.036	0.048
average	0.011	0.020	average	-0.059	-0.049	average	-0.045	0.001
+3S	0.086	0.109	+3S	-0.030	-0.011	+3S	0.061	0.147
-3S	-0.064	-0.070	-3S	-0.088	-0.087	-3S	-0.152	-0.144



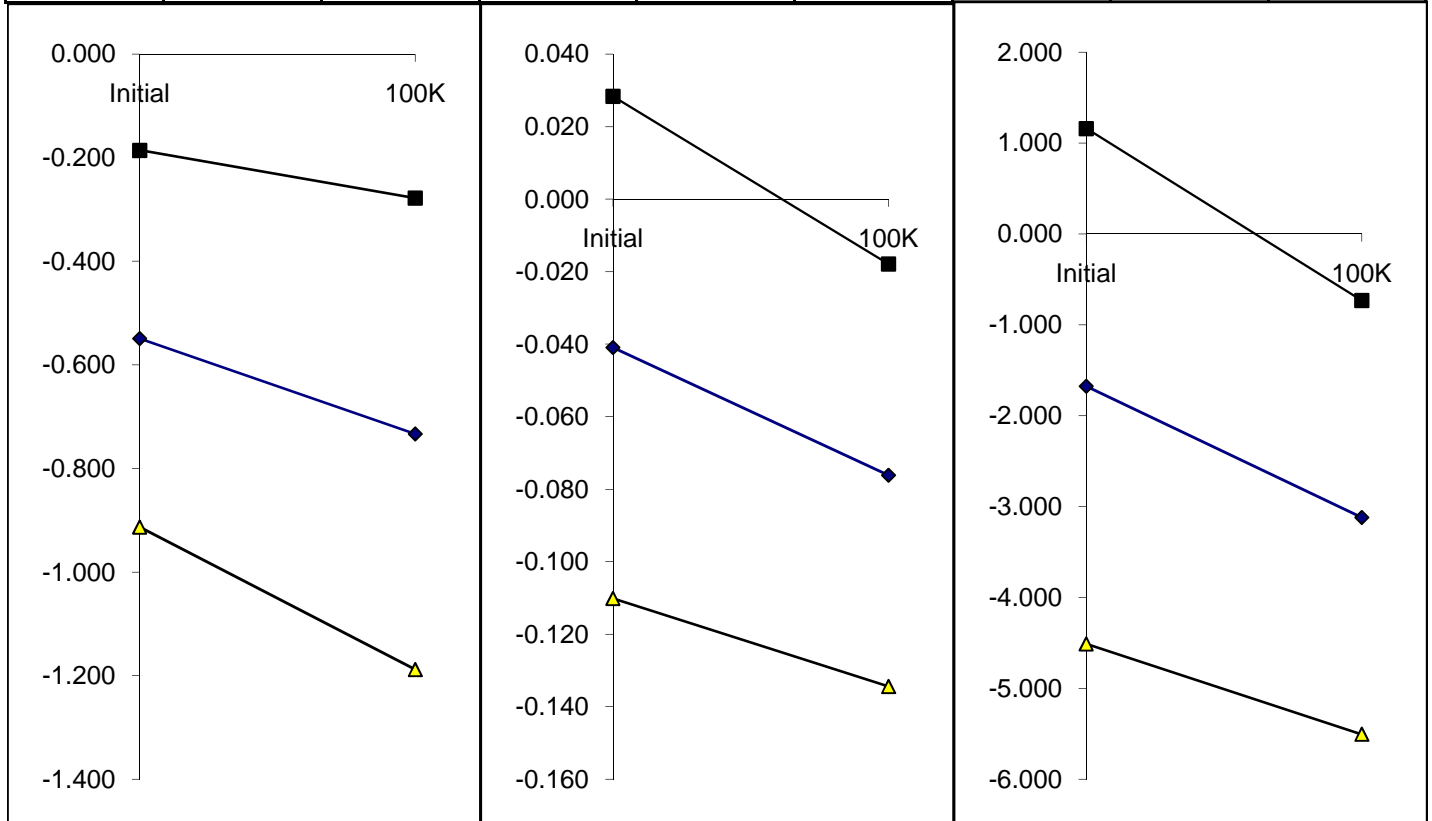
T#315	PSRR4_0	LSB	T#316	PSRR4_1	LSB	T#317	PSRR5_0	LSB
SN	Initial	100K	SN	Initial	100K	SN	Initial	100K
1	0.063	0.063	1	0.074	0.068	1	0.000	-0.031
2	0.063	0.063	2	0.041	-0.031	2	-0.031	-0.016
3	0.047	0.019	3	0.078	-0.024	3	-0.016	-0.016
24	0.047	0.031	24	0.016	-0.031	24	0.000	-0.016
25	0.047	0.040	25	0.052	0.017	25	-0.016	-0.026
47	0.031	0.031	47	0.016	-0.077	47	0.000	-0.016
48	0.047	0.047	48	0.094	0.023	48	-0.016	-0.031
71	0.063	0.047	71	0.005	-0.062	71	0.000	0.000
72	0.063	0.031	72	0.078	0.031	72	-0.016	-0.016
94	0.047	0.047	94	0.130	0.093	94	-0.016	-0.016
95	0.031	0.052	95	0.133	0.057	95	-0.016	-0.016
117	0.063	0.047	117	-0.017	-0.016	117	0.000	-0.016
118	0.047	0.047	118	0.135	0.028	118	-0.016	-0.016
140	0.047	0.016	140	0.027	-0.031	140	-0.016	-0.031
141	0.031	0.047	141	0.000	-0.031	141	-0.016	-0.016
163	0.063	0.047	163	0.109	0.053	163	-0.016	-0.016
164	0.063	0.047	164	0.094	0.041	164	-0.016	-0.016
188	0.063	0.047	188	-0.026	-0.052	188	-0.031	-0.016
189	0.063	0.047	189	0.047	0.016	189	-0.016	-0.016
213	0.047	0.047	213	0.045	0.024	213	-0.016	-0.031
214	0.063	0.063	214	0.122	0.072	214	-0.016	0.000
237	0.047	0.031	237	0.062	-0.051	237	0.000	0.000
238	0.047	0.057	238	0.026	-0.094	238	-0.016	-0.021
min	0.031	0.016	min	-0.026	-0.094	min	-0.031	-0.031
max	0.063	0.063	max	0.135	0.093	max	0.000	0.000
stdev	0.011	0.012	stdev	0.050	0.050	stdev	0.009	0.009
average	0.051	0.043	average	0.058	-0.002	average	-0.013	-0.016
+3S	0.084	0.080	+3S	0.207	0.149	+3S	0.013	0.010
-3S	0.018	0.007	-3S	-0.092	-0.153	-3S	-0.040	-0.042



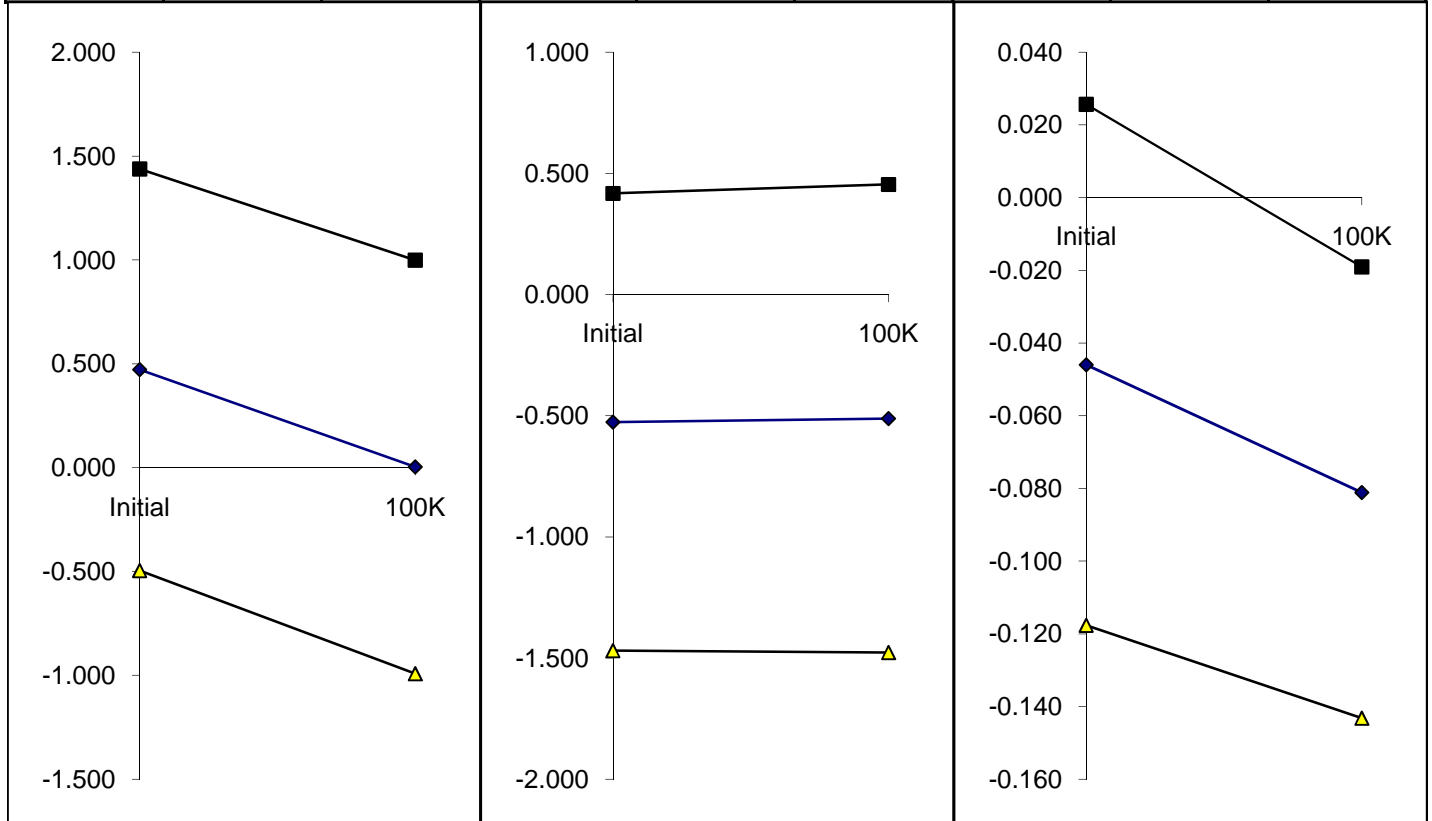
T#318	PSRR5_1	LSB	T#319	PSRR5_0	LSB	T#320	PSRR5_1	LSB
SN	Initial	100K	SN	Initial	100K	SN	Initial	100K
1	-0.019	-0.055	1	0.047	0.016	1	0.023	0.024
2	-0.005	0.000	2	0.031	0.016	2	0.004	0.000
3	-0.031	-0.011	3	0.016	0.016	3	0.016	-0.026
24	0.000	-0.014	24	0.016	0.016	24	0.000	-0.032
25	-0.031	-0.012	25	0.031	0.026	25	0.000	-0.011
47	-0.016	0.035	47	0.031	0.016	47	-0.031	0.001
48	-0.016	0.001	48	0.031	0.000	48	0.047	0.047
71	-0.046	0.008	71	0.031	0.031	71	-0.020	-0.047
72	-0.031	0.000	72	0.016	0.031	72	0.031	0.036
94	-0.041	-0.015	94	0.016	0.031	94	0.026	0.016
95	-0.046	-0.014	95	0.016	0.016	95	0.018	0.051
117	-0.019	0.007	117	0.031	0.031	117	0.009	-0.026
118	-0.042	-0.026	118	0.031	0.016	118	0.041	0.031
140	-0.029	0.016	140	0.016	0.000	140	-0.001	-0.036
141	0.000	0.039	141	0.016	0.031	141	-0.016	-0.022
163	-0.047	-0.024	163	0.031	0.031	163	0.031	0.025
164	-0.031	-0.047	164	0.031	0.031	164	0.000	0.000
188	-0.016	-0.031	188	0.031	0.031	188	-0.016	-0.047
189	-0.016	-0.011	189	0.016	0.016	189	0.031	0.014
213	0.005	-0.005	213	0.031	0.031	213	-0.016	-0.021
214	-0.016	0.014	214	0.016	0.031	214	0.078	0.066
237	-0.016	0.005	237	0.031	0.031	237	0.031	-0.031
238	-0.022	-0.011	238	0.016	0.016	238	-0.021	-0.055
min	-0.047	-0.047	min	0.016	0.000	min	-0.031	-0.055
max	0.005	0.039	max	0.031	0.031	max	0.078	0.066
stdev	0.016	0.020	stdev	0.008	0.010	stdev	0.027	0.035
average	-0.023	-0.004	average	0.024	0.023	average	0.011	-0.003
+3S	0.024	0.056	+3S	0.048	0.054	+3S	0.092	0.102
-3S	-0.070	-0.065	-3S	0.000	-0.009	-3S	-0.069	-0.108



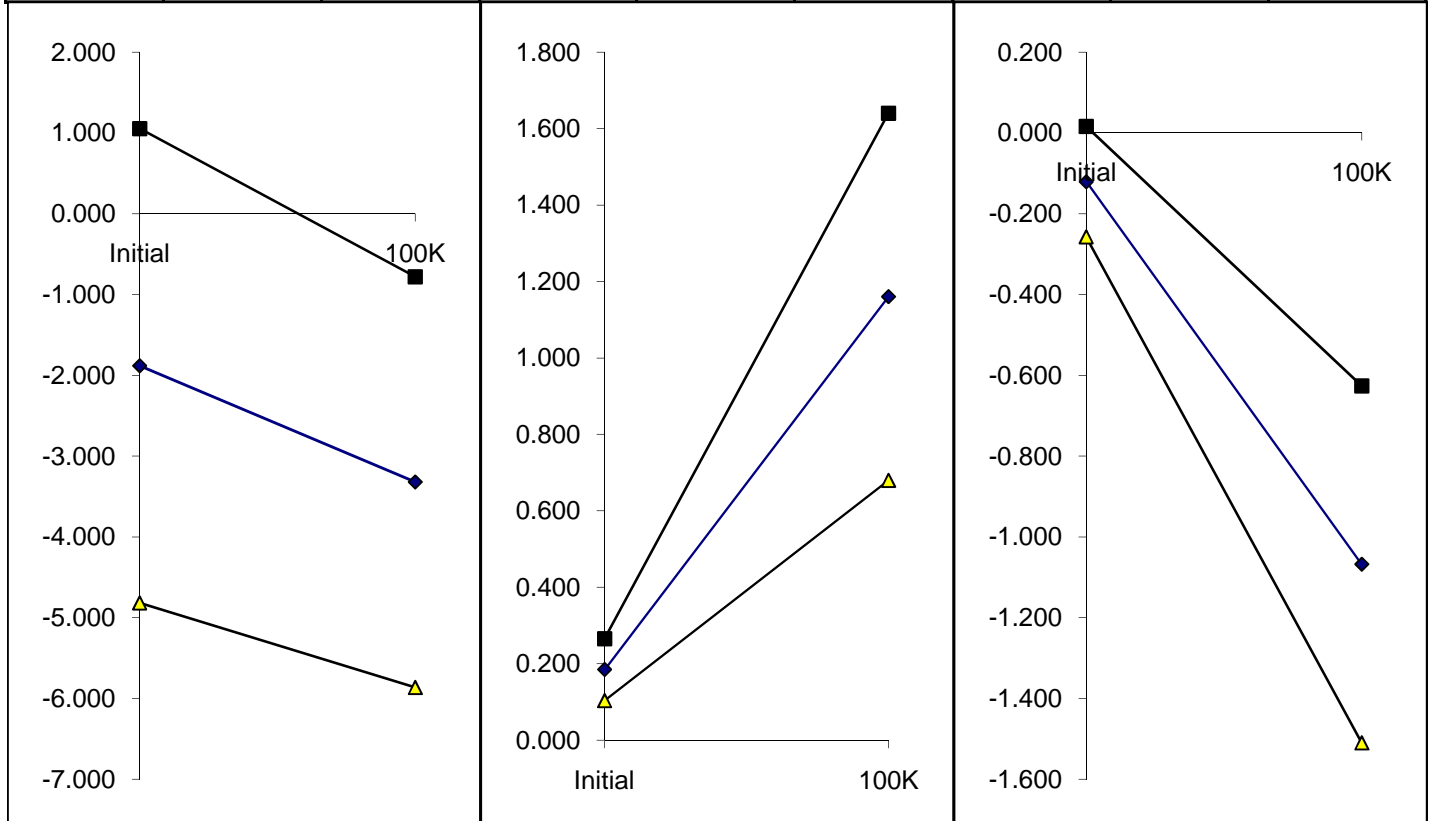
T#401	UNI_OFS_Err	LSB	T#404	UNI_GAIN_Err	%/FS	T#407	UNI_GAIN_Err	LSB
SN	Initial	100K	SN	Initial	100K	SN	Initial	100K
1	-0.484	-0.469	1	-0.013	-0.011	1	-0.522	-0.453
2	-0.375	-0.469	2	-0.014	-0.048	2	-0.590	-1.950
3	-0.719	-0.952	3	-0.015	-0.078	3	-0.625	-3.175
24	-0.563	-0.766	24	-0.016	-0.049	24	-0.657	-2.010
25	-0.766	-1.120	25	-0.023	-0.041	25	-0.944	-1.664
47	-0.547	-0.703	47	-0.042	-0.075	47	-1.739	-3.085
48	-0.547	-0.609	48	-0.048	-0.080	48	-1.952	-3.275
71	-0.438	-0.625	71	-0.033	-0.074	71	-1.346	-3.047
72	-0.594	-0.734	72	-0.043	-0.094	72	-1.774	-3.869
94	-0.422	-0.672	94	-0.021	-0.059	94	-0.859	-2.433
95	-0.641	-0.891	95	-0.035	-0.072	95	-1.417	-2.936
117	-0.453	-0.578	117	-0.034	-0.076	117	-1.403	-3.126
118	-0.469	-0.656	118	-0.043	-0.086	118	-1.757	-3.503
140	-0.578	-0.766	140	-0.056	-0.091	140	-2.307	-3.711
141	-0.766	-0.911	141	-0.035	-0.069	141	-1.430	-2.814
163	-0.469	-0.672	163	-0.028	-0.058	163	-1.155	-2.375
164	-0.516	-0.672	164	-0.025	-0.062	164	-1.018	-2.540
188	-0.484	-0.672	188	-0.091	-0.112	188	-3.727	-4.576
189	-0.547	-0.594	189	-0.100	-0.100	189	-4.076	-4.101
213	-0.563	-0.797	213	-0.063	-0.105	213	-2.579	-4.288
214	-0.375	-0.625	214	-0.039	-0.079	214	-1.601	-3.221
237	-0.484	-0.703	237	-0.071	-0.104	237	-2.909	-4.277
238	-0.781	-0.953	238	-0.025	-0.066	238	-1.026	-2.688
min	-0.781	-1.120	min	-0.100	-0.112	min	-4.076	-4.576
max	-0.375	-0.469	max	-0.014	-0.041	max	-0.590	-1.664
stdev	0.121	0.152	stdev	0.023	0.019	stdev	0.945	0.795
average	-0.550	-0.734	average	-0.041	-0.076	average	-1.677	-3.121
+3S	-0.186	-0.279	+3S	0.028	-0.018	+3S	1.159	-0.735
-3S	-0.914	-1.189	-3S	-0.110	-0.134	-3S	-4.512	-5.507



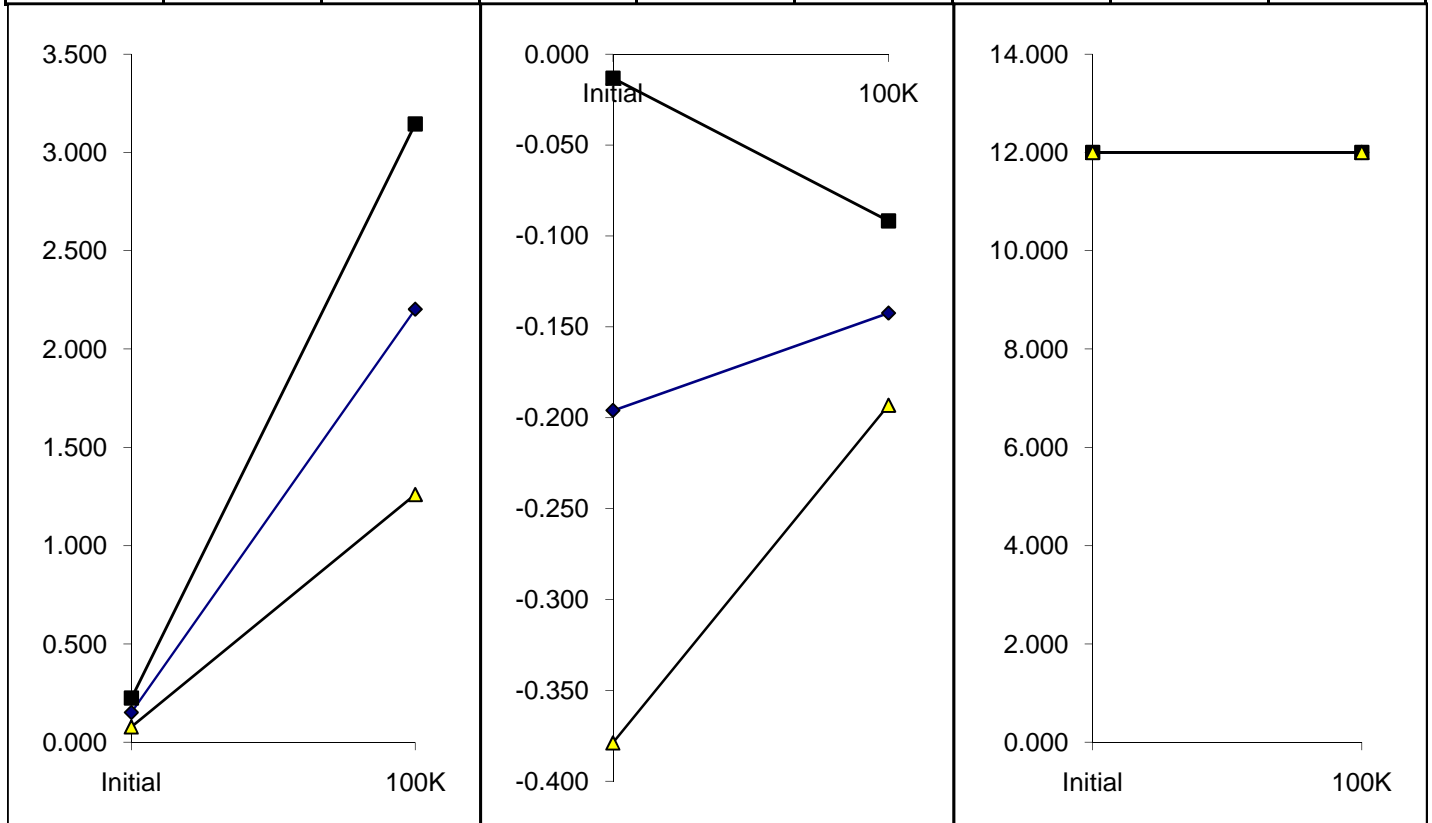
T#451	BIP_OFF_Err	LSB	T#452	BIP_ZERO_Err	LSB	T#455	BIP_GAIN_Err	%/FS
SN	Initial	100K	SN	Initial	100K	SN	Initial	100K
1	1.346	1.299	1	0.328	0.328	1	-0.051	-0.049
2	0.456	0.022	2	-0.079	-0.156	2	-0.025	-0.057
3	0.297	-0.219	3	-0.250	-0.641	3	-0.026	-0.089
24	0.222	-0.250	24	-0.328	-0.250	24	-0.022	-0.054
25	0.492	-0.125	25	-0.203	0.266	25	-0.030	-0.048
47	0.666	0.236	47	-0.422	-0.547	47	-0.049	-0.081
48	0.843	0.482	48	-0.359	-0.042	48	-0.057	-0.088
71	0.155	-0.312	71	-0.297	-0.422	71	-0.015	-0.057
72	0.293	-0.141	72	-0.578	-0.797	72	-0.040	-0.092
94	0.462	-0.056	94	-0.203	-0.594	94	-0.030	-0.068
95	0.233	-0.297	95	-0.641	-0.578	95	-0.039	-0.076
117	0.218	-0.203	117	-0.547	-0.750	117	-0.038	-0.081
118	0.621	0.146	118	-0.406	-0.750	118	-0.050	-0.092
140	0.460	-0.043	140	-0.900	-0.844	140	-0.061	-0.095
141	0.077	-0.375	141	-0.641	-0.500	141	-0.032	-0.065
163	0.249	-0.266	163	-0.516	-0.125	163	-0.035	-0.065
164	0.282	-0.156	164	-0.500	-0.391	164	-0.034	-0.071
188	0.448	-0.012	188	-1.266	-0.880	188	-0.080	-0.101
189	0.968	0.619	189	-1.297	-0.547	189	-0.107	-0.108
213	0.908	0.400	213	-0.797	-1.109	213	-0.085	-0.126
214	0.657	0.149	214	-0.578	-0.849	214	-0.061	-0.101
237	1.322	0.826	237	-0.281	-0.313	237	-0.075	-0.108
238	0.026	-0.375	238	-0.500	-0.453	238	-0.021	-0.063
min	0.026	-0.375	min	-1.297	-1.109	min	-0.107	-0.126
max	1.322	0.826	max	-0.079	0.266	max	-0.015	-0.048
stdev	0.322	0.332	stdev	0.314	0.322	stdev	0.024	0.021
average	0.471	0.002	average	-0.527	-0.512	average	-0.046	-0.081
+3S	1.437	0.998	+3S	0.417	0.453	+3S	0.026	-0.019
-3S	-0.496	-0.993	-3S	-1.470	-1.478	-3S	-0.118	-0.143



T#458	BIP_GAIN_Err	LSB	T#501	POS_INL_Err	LSB	T#502	NEG_INL_Err	LSB
SN	Initial	100K	SN	Initial	100K	SN	Initial	100K
1	-2.098	-2.020	1	0.167	0.152	1	-0.030	-0.057
2	-1.024	-2.325	2	0.166	0.961	2	-0.086	-0.914
3	-1.079	-3.631	3	0.163	1.386	3	-0.059	-1.322
24	-0.887	-2.227	24	0.195	1.118	24	-0.176	-1.036
25	-1.238	-1.970	25	0.189	1.386	25	-0.120	-1.320
47	-2.005	-3.331	47	0.188	0.871	47	-0.141	-0.801
48	-2.336	-3.613	48	0.159	1.258	48	-0.107	-1.201
71	-0.599	-2.324	71	0.241	1.067	71	-0.195	-1.015
72	-1.623	-3.770	72	0.161	1.257	72	-0.136	-1.119
94	-1.243	-2.779	94	0.168	0.870	94	-0.082	-0.784
95	-1.604	-3.114	95	0.172	1.308	95	-0.188	-1.183
117	-1.550	-3.302	117	0.198	1.100	117	-0.079	-1.059
118	-2.052	-3.769	118	0.168	1.009	118	-0.046	-0.953
140	-2.490	-3.883	140	0.234	1.167	140	-0.152	-1.087
141	-1.310	-2.675	141	0.207	1.209	141	-0.051	-1.116
163	-1.420	-2.646	163	0.147	1.493	163	-0.094	-1.324
164	-1.393	-2.900	164	0.200	1.256	164	-0.141	-1.121
188	-3.259	-4.133	188	0.158	1.239	188	-0.183	-1.090
189	-4.402	-4.435	189	0.146	1.076	189	-0.151	-0.970
213	-3.468	-5.175	213	0.201	1.105	213	-0.129	-1.011
214	-2.516	-4.142	214	0.182	1.118	214	-0.064	-0.986
237	-3.081	-4.414	237	0.222	1.068	237	-0.145	-0.979
238	-0.880	-2.563	238	0.204	1.199	238	-0.131	-1.116
min	-4.402	-5.175	min	0.146	0.870	min	-0.195	-1.324
max	-0.599	-1.970	max	0.241	1.493	max	-0.046	-0.784
stdev	0.978	0.847	stdev	0.027	0.160	stdev	0.046	0.147
average	-1.884	-3.324	average	0.185	1.160	average	-0.121	-1.068
+3S	1.051	-0.782	+3S	0.266	1.640	+3S	0.016	-0.626
-3S	-4.820	-5.866	-3S	0.104	0.680	-3S	-0.257	-1.510



T#503	POS_DNL_Err	LSB	T#504	NEG_DNL_Err	LSB	T#505	DNL_Res.	
SN	Initial	100K	SN	Initial	100K	SN	Initial	100K
1	0.132	0.148	1	-0.147	-0.131	1	12.000	12.000
2	0.132	1.870	2	-0.114	-0.131	2	12.000	12.000
3	0.132	2.707	3	-0.131	-0.131	3	12.000	12.000
24	0.165	2.133	24	-0.262	-0.131	24	12.000	12.000
25	0.132	2.722	25	-0.196	-0.147	25	12.000	12.000
47	0.165	1.608	47	-0.295	-0.131	47	12.000	12.000
48	0.149	2.429	48	-0.114	-0.131	48	12.000	12.000
71	0.132	2.019	71	-0.295	-0.130	71	12.000	12.000
72	0.132	2.363	72	-0.147	-0.163	72	12.000	12.000
94	0.132	1.624	94	-0.131	-0.131	94	12.000	12.000
95	0.132	2.445	95	-0.229	-0.131	95	12.000	12.000
117	0.132	2.134	117	-0.147	-0.163	117	12.000	12.000
118	0.148	1.953	118	-0.131	-0.180	118	12.000	12.000
140	0.181	2.232	140	-0.294	-0.131	140	12.000	12.000
141	0.148	2.297	141	-0.213	-0.147	141	12.000	12.000
163	0.165	2.805	163	-0.163	-0.114	163	12.000	12.000
164	0.148	2.297	164	-0.213	-0.163	164	12.000	12.000
188	0.231	2.347	188	-0.261	-0.163	188	12.000	12.000
189	0.149	2.003	189	-0.196	-0.130	189	12.000	12.000
213	0.165	2.085	213	-0.229	-0.130	213	12.000	12.000
214	0.181	2.068	214	-0.130	-0.147	214	12.000	12.000
237	0.148	2.035	237	-0.196	-0.147	237	12.000	12.000
238	0.132	2.280	238	-0.229	-0.164	238	12.000	12.000
min	0.132	1.608	min	-0.295	-0.180	min	12.000	12.000
max	0.231	2.805	max	-0.114	-0.114	max	12.000	12.000
stdev	0.024	0.314	stdev	0.061	0.017	stdev	0.000	0.000
average	0.151	2.203	average	-0.196	-0.143	average	12.000	12.000
+3S	0.224	3.145	+3S	-0.013	-0.092	+3S	12.000	12.000
-3S	0.079	1.260	-3S	-0.379	-0.193	-3S	12.000	12.000



T#506	MISSING_CODES	
	Initial	100K
1	0.000	0.000
2	0.000	0.000
3	0.000	0.000
24	0.000	0.000
25	0.000	0.000
47	0.000	0.000
48	0.000	0.000
71	0.000	0.000
72	0.000	0.000
94	0.000	0.000
95	0.000	0.000
117	0.000	0.000
118	0.000	0.000
140	0.000	0.000
141	0.000	0.000
163	0.000	0.000
164	0.000	0.000
188	0.000	0.000
189	0.000	0.000
213	0.000	0.000
214	0.000	0.000
237	0.000	0.000
238	0.000	0.000
min	0.000	0.000
max	0.000	0.000
stdev	0.000	0.000
average	0.000	0.000
+3S	0.000	0.000
-3S	0.000	0.000

