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# HIGH DOSE RADIATION TEST REPORT ADCLK925S

April 2016  
Generic



Radiation Test Report	
Product:	ADCLK925S
Gamma:	0,100k
Gamma Source:	Co60/TM1019 Condition A
Dose Rate:	166 Rad(si)/s
Facilities:	VPT RAD
Tested:	8/14/2014

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Wafer	SN	Icc Vcc=3.6V static			Iee Vee=3.6V Static			Icc Vcc=3V Static		
		PRE	100k	24Hr	PRE	100k	24Hr	PRE	100k	24Hr
CTRL	29	72.58975	72.06564	72.11927	-27.92986	-28.23129	-28.24664	72.61998	72.00994	72.11028
	30	72.5217	71.9979	71.8725	-27.9653	-28.2492	-28.0227	72.514	71.98862	71.81428
5	13	71.9246	71.4862	72.5435	-27.9353	-28.2611	-28.0133	71.90933	71.58978	72.51101
	14	72.1381	72.5479	72.5658	-28.1352	-27.9071	-27.7085	72.15422	72.55679	72.55585
	15	71.8048	72.3714	72.3911	-27.9287	-28.0252	-27.8144	71.80085	72.39719	72.40471
	16	72.0086	72.4090	72.3632	-28.1226	-27.7373	-27.5419	72.01844	72.41945	72.37900
	Min	71.8048	71.4862	72.3632	-28.1352	-28.2611	-28.0133	71.80085	71.58978	72.37900
	Max	72.1381	72.5479	72.5658	-27.9287	-27.7373	-27.5419	72.15422	72.55679	72.55585
	Mean	71.9690	72.2036	72.4659	-28.0305	-27.9827	-27.7695	71.97071	72.24080	72.46264
	Std. Dev	0.1404	0.4843	0.1035	0.1138	0.2200	0.1975	0.15119	0.43972	0.08442
	Mean - 3 Sigma	71.5480	70.7508	72.1554	-28.3719	-28.6427	-28.3619	71.51714	70.92165	72.20939
	Mean + 3 Sigma	72.3901	73.6564	72.7764	-27.6890	-27.3227	-27.1771	72.42428	73.55995	72.71590
Limit:		<97mA			Limit:			>-51mA		
					Limit:			<97mA		

Wafer	SN	Iee Vee=3V static			Input Current High D1 Vin=3.3V Vt open			Input Current Low D1 Vin=0V Vt open		
		PRE	100k	24Hr	PRE	100k	24Hr	PRE	100k	24Hr
CTRL	29	-26.66398	-26.79795	-26.8108	47.56947	51.91986	52.14291	-0.00266	0.00281	0.00344
	30	-26.7031	-26.8296	-26.8049	47.1809	52.8763	52.7846	-0.00202	0.00376	0.00217
5	13	-26.6192	-26.7945	-26.7879	50.1606	48.0248	47.8631	0.0025	0.00249	0.00376
	14	-26.8011	-26.4547	-26.4587	50.7936	48.3325	48.1459	0.00282	-0.00422	0.00121
	15	-26.5737	-26.5734	-26.5931	50.6163	48.0155	47.9257	0.00218	0.00281	0.00249
	16	-26.8193	-26.2980	-26.3153	52.0859	46.0218	45.9406	-0.00037684	0.00281	0.00185
	Min	-26.8193	-26.7945	-26.7879	50.1606	46.02181	45.94064	-0.00038	-0.00422	0.00121
	Max	-26.5737	-26.2980	-26.3153	52.0859	48.33252	48.14590	0.00282	0.00281	0.00376
	Mean	-26.7033	-26.5301	-26.5388	50.9141	47.59866	47.46884	0.00178	0.00097	0.00233
	Std. Dev	0.1250	0.2092	0.2012	0.8255	1.06150	1.02599	0.00146	0.00346	0.00109
	Mean - 3 Sigma	-27.0784	-27.1578	-27.1422	48.4377	44.41415	44.39086	-0.00261	-0.00942	-0.00094
	Mean + 3 Sigma	-26.3283	-25.9025	-25.9353	53.3905	50.78317	50.54682	0.00617	0.01137	0.00559
Limit:		>-51mA			Limit:			<100uA		
					Limit:			<100uA		

Wafer	SN	Input Current High not D1 Vin=3.3V Vt open			Input Current Low not D1 Vin=0V Vt open			Input Current High D1 Vin=2.0V Vt=1.5V		
		PRE	100k	24Hr	PRE	100k	24Hr	PRE	100k	24Hr
CTRL	29	40.9436	50.57638	50.57638	1.0026	5.83766	7.11754	9.76964	9.57304	9.57304
	30	41.9036	51.8563	52.4962	0.3626	2.9579	6.4776	9.76996	9.54934	9.55735
5	13	47.1587	48.9765	47.0567	2.8603	6.4776	6.1576	9.6105	9.76801	9.77473
	14	46.8388	48.9765	46.0968	2.8603	4.8778	5.8377	9.59578	9.66876	9.67036
	15	48.4386	49.6165	49.6165	3.1803	5.1977	3.2779	9.61755	9.65403	9.65275
	16	49.0785	45.7768	45.4569	5.1001	3.5979	5.8377	9.60346	9.73599	9.73567
	Min	46.83875	45.77683	45.45685	2.86029	3.59787	3.27790	9.59578	9.65403	9.65275
	Max	49.07852	49.61647	49.61647	5.10006	6.47760	6.15763	9.61755	9.76801	9.77473
	Mean	47.87865	48.33659	47.05671	3.50023	5.03774	5.27771	9.60682	9.70670	9.70838
	Std. Dev	1.05718	1.73297	1.82879	1.07717	1.18288	1.34171	0.00934	0.05425	0.05683
	Mean - 3 Sigma	44.70709	43.13769	41.57035	0.26872	1.48910	1.25257	9.57880	9.54394	9.53790
	Mean + 3 Sigma	51.05020	53.53549	52.54306	6.73173	8.58637	9.30285	9.63485	9.86946	9.87885
Limit:		<100uA			Limit:			<100uA		
					Limit:			Functional		

Wafer	SN	Input Current High not D1 Vin=1.0V Vt=1.5V			Input Resistance D1 to Vt1			Input Resistance not D1 to Vt1		
		PRE	100k	24Hr	PRE	100k	24Hr	PRE	100k	24Hr
CTRL	29	-9.72204	-9.51134	-9.51038	51.17897	52.23003	52.23003	51.42951	52.56881	52.57412
	30	-9.7256	-9.4921	-9.4941	51.1773	52.3596	52.3158	51.4109	52.67514	52.66449
5	13	-9.5578	-9.7148	-9.7193	52.0264	51.1875	51.1523	52.31333	51.46763	51.44391
	14	-9.5357	-9.6112	-9.6137	52.1063	51.7129	51.7044	52.43445	52.02279	52.00893
	15	-9.5610	-9.5936	-9.5965	51.9883	51.7918	51.7987	52.29583	52.11821	52.10258
	16	-9.5479	-9.6726	-9.6806	52.0646	51.3558	51.3575	52.36768	51.69237	51.64965
	Min	-9.56099	-9.71484	-9.71932	51.98830	51.18751	51.15230	52.29583	51.46763	51.44391
	Max	-9.53571	-9.59358	-9.59645	52.10625	51.79182	51.79869	52.43445	52.11821	52.10258
	Mean	-9.55059	-9.64805	-9.65253	52.04638	51.51202	51.50322	52.35282	51.82525	51.80127
	Std. Dev	0.01138	0.05595	0.05745	0.05062	0.28772	0.30118	0.06243	0.30022	0.30801
	Mean - 3 Sigma	-9.58474	-9.81590	-9.82486	51.89451	50.64885	50.59967	52.16554	50.92459	50.87725
	Mean + 3 Sigma	-9.51644	-9.48020	-9.48019	52.19824	52.37519	52.40677	52.54011	52.72591	52.72529
Limit:		Functional			Limit:			>45, <58 Ohms		
					Limit:			>45, <58 Ohms		

Wafer	SN	Input Current High D1 Vin=1.0V Vt=1.5V			Input Current Low Not D1 Vin=2.0V Vt=1.5V			Input Resistance D1 to Vt1		
		PRE	100k	24Hr	PRE	100k	24Hr	PRE	100k	24Hr
CTRL	29	-9.73866	-9.51862	-9.51766	9.78936	9.59441	9.59057	51.34176	52.52864	52.53395
	30	-9.7358	-9.4917	-9.5001	9.7935	9.5730	9.5720	51.35695	52.67747	52.63132
5	13	-9.5668	-9.7213	-9.7309	9.6338	9.7950	9.7950	52.26434	51.4336	51.38283
	14	-9.5482	-9.6185	-9.6227	9.6121	9.6888	9.6885	52.36598	51.98314	51.96066
	15	-9.5703	-9.6051	-9.6038	9.6380	9.6683	9.6709	52.24511	52.05591	52.06285
	16	-9.5578	-9.6889	-9.6899	9.6262	9.7477	9.7528	52.31336	51.60525	51.60014
	Min	-9.57027	-9.72127	-9.73088	9.61208	9.66832	9.67088	52.24511	51.43360	51.38283
	Max	-9.54818	-9.60506	-9.60378	9.63799	9.79503	9.79503	52.36598	52.05591	52.06285
	Mean	-9.56075	-9.65844	-9.66181	9.62751	9.72496	9.72680	52.29720	51.76948	51.75162
	Std. Dev	0.00989	0.05574	0.05905	0.01140	0.05756	0.05752	0.05411	0.29860	0.31597
	Mean - 3 Sigma	-9.59042	-9.82568	-9.83894	9.59332	9.55226	9.55423	52.13486	50.87369	50.80371
	Mean + 3 Sigma	-9.53108	-9.49121	-9.48467	9.66170	9.89765	9.89936	52.45954	52.66526	52.69953
Limit:		functional			Limit: functional			Limit: >48, <58 Ohms		

Wafer	SN	Input Resistance not D1 to Vt1			Differential Input Resistance D1 to Not D1			Differential Input Resistance not D1 to D1		
		PRE	100k	24Hr	PRE	100k	24Hr	PRE	100k	24Hr
CTRL	29	51.07584	52.11369	52.13456	102.60848	104.79885	104.80415	102.4176	104.64233	104.66850
	30	51.0542	52.2304	52.2356	102.5882	105.0348	104.9803	102.4111	104.90787	104.86695
5	13	51.9004	51.0463	51.0463	104.3397	102.6551	102.5962	104.16476	102.4799	102.42913
	14	52.0179	51.6060	51.6077	104.5407	103.7357	103.7133	104.38388	103.58913	103.56834
	15	51.8780	51.7153	51.7016	104.2841	103.9100	103.9013	104.12312	103.7712	103.76445
	16	51.9418	51.2943	51.2674	104.4322	103.0482	103.0072	104.25518	102.89954	102.86750
	Min	51.8780	51.0463	51.0463	104.2841	102.6551	102.5962	104.123120	102.479900	102.42913
	Max	52.0179	51.7153	51.7016	104.5407	103.9100	103.9013	104.383880	103.771200	103.76445
	Mean	51.9345	51.4155	51.4057	104.3992	103.3373	103.3045	104.231735	103.184943	103.15736
	Std. Dev	0.0615	0.3040	0.3037	0.1124	0.5876	0.6092	0.115442	0.601555	0.61962
	Mean - 3 Sigma	51.74992765	50.5036144	50.49470005	104.0620505	101.5745934	101.4769221	103.8854087	101.3802778	101.29848
	Mean + 3 Sigma	52.1192	52.3273	52.3168	104.7364	105.1000	105.1321	104.578061	104.989607	105.01623
Limit:		>48, <58 Ohms			Limit: >100, <110 Ohms			Limit: >100, <110 Ohms		

Wafer	SN	Output Voltage High Q1 Vcc=3.3V, Vid=2.8V			Output Voltage Low not Q1 Vcc=3.3V, Vid=2.8V			Differential Output Voltage Q1 Vcc=3.3V, Vid=2.8V		
		PRE	100k	24Hr	PRE	100k	24Hr	PRE	100k	24Hr
CTRL	29	2.27254	2.26756	2.26788	1.47703	1.46003	1.46105	0.7955	0.80753	0.80683
	30	2.2719	2.2686	2.2669	1.4702	1.4520	1.4504	0.80171	0.81655	0.81655
5	13	2.2688	2.2177	2.2704	1.4627	1.4753	1.4731	0.80606	0.74239	0.79735
	14	2.2693	2.2692	2.2733	1.4669	1.4814	1.4799	0.80241	0.78775	0.79338
	15	2.2657	2.2740	2.2749	1.4644	1.4719	1.4718	0.80126	0.80209	0.80311
	16	2.2675	2.2724	2.2722	1.4621	1.4755	1.4742	0.80536	0.79697	0.79793
	Min	2.2657	2.2177	2.2704	1.4621	1.4719	1.4718	0.80126	0.74239	0.79338
	Max	2.2693	2.2740	2.2749	1.4669	1.4814	1.4799	0.80606	0.80209	0.80311
	Mean	2.2678	2.2583	2.2727	1.4640	1.4760	1.4747	0.80377	0.78230	0.79794
	Std. Dev	0.0016	0.0271	0.0019	0.0021	0.0039	0.0036	0.00230	0.02726	0.00399
	Mean - 3 Sigma	2.2630	2.1769	2.2670	1.4577	1.4642	1.4641	0.79686	0.70052	0.78596
	Mean + 3 Sigma	2.2726	2.3398	2.2783	1.4704	1.4878	1.4854	0.81068	0.86408	0.80993
Limit:		>2.04, <2.54 V			Limit: >1.31, <1.76 V			Limit: >0.61, <1.04 V		

Wafer	SN	Output Voltage High Q2 Vcc=3.3V, Vid=2.8V			Output Voltage Low not Q2 Vcc=3.3V, Vid=2.8V			Differential Output Voltage Q2 Vcc=3.3V, Vid=2.8V		
		PRE	100k	24Hr	PRE	100k	24Hr	PRE	100k	24Hr
CTRL	29	2.28341	2.27768	2.27973	1.48139	1.47181	1.47194	0.80202	0.80587	0.80779
	30	2.2819	2.2797	2.2788	1.4809	1.4731	1.4712	0.80106	0.80658	0.80760
5	13	2.2802	2.2800	2.2788	1.4692	1.4817	1.4787	0.81101	0.79832	0.80011
	14	2.2808	2.2842	2.2838	1.4731	1.4860	1.4837	0.80768	0.79813	0.80018
	15	2.2774	2.2832	2.2836	1.4696	1.4787	1.4771	0.80774	0.80453	0.80645
	16	2.2813	2.2836	2.2838	1.4672	1.4895	1.4885	0.81408	0.79403	0.79538
	Min	2.2774	2.2800	2.2788	1.4672	1.4787	1.4771	0.80768	0.79403	0.79538
	Max	2.2813	2.2842	2.2838	1.4731	1.4895	1.4885	0.81408	0.80453	0.80645
	Mean	2.2799	2.2827	2.2825	1.4698	1.4840	1.4820	0.81013	0.79875	0.80053
	Std. Dev	0.0017	0.0019	0.0025	0.0024	0.0048	0.0051	0.00306	0.00433	0.00454
	Mean - 3 Sigma	2.2747	2.2771	2.2751	1.4624	1.4696	1.4666	0.80095	0.78576	0.78691
	Mean + 3 Sigma	2.2851	2.2883	2.2899	1.4771	1.4983	1.4974	0.81931	0.81174	0.81415
Limit:		>2.04, <2.54 V			Limit: >1.31, <1.76 V			Limit: >0.61, <1.04 V		

Wafer	SN	Output Voltage Low Q1 Vcc=3.3V, Vid=2.8V			V	Output Voltage High not Q1 Vcc=3.3V, Vid=2.8V			V	Differential Output Voltage Q1 Vcc=3.3V, Vid=2.8V			V			
		PRE	100k	24Hr		PRE	100k	24Hr		PRE	100k	24Hr				
CTRL	29	1.47033	1.4539	1.45473	2.28031	2.27252	2.27367	-0.80997	-0.81862	-0.81894						
	30	1.4652	1.4465	1.4449	2.2771	2.2748	2.2731	-0.81196	-0.82828	-0.82821						
5	13	1.4568	1.4608	1.4673	2.2753	2.2778	2.2755	-0.81849	-0.81708	-0.80819						
	14	1.4614	1.4751	1.4743	2.2763	2.2799	2.2783	-0.81485	-0.80474	-0.80397						
	15	1.4591	1.4673	1.4672	2.2716	2.2803	2.2806	-0.81248	-0.81293	-0.81337						
	16	1.4556	1.4696	1.4686	2.2760	2.2784	2.2782	-0.82035	-0.80877	-0.80960						
	Min	1.4556	1.4608	1.4672	2.2716	2.2778	2.2755	-0.82035	-0.81708	-0.81337						
	Max	1.4614	1.4751	1.4743	2.2763	2.2803	2.2806	-0.81248	-0.80474	-0.80397						
	Mean	1.4582	1.4682	1.4694	2.2748	2.2791	2.2782	-0.81654	-0.81088	-0.80878						
	Std. Dev	0.0026	0.0060	0.0034	0.0022	0.0012	0.0021	0.00354	0.00532	0.00388						
	Mean - 3 Sigma	1.4505	1.4503	1.4593	2.2682	2.2756	2.2720	-0.82717	-0.82683	-0.82043						
	Mean + 3 Sigma	1.4660	1.4861	1.4794	2.2813	2.2826	2.2843	-0.80591	-0.79493	-0.79713						
Limit:		>1.31, <1.76 V			Limit:			>2.04, <2.54 V			Limit:			>-1.04, <-0.61 V		

Wafer	SN	Output Voltage Low Q2 Vcc=3.3V, Vid=2.8V			v	Output Voltage High not Q2 Vcc=3.3V, Vid=2.8V			v	Differential Output Voltage Q2 Vcc=3.3V, Vid=2.8V			v			
		PRE	100k	24Hr		PRE	100k	24Hr		PRE	100k	24Hr				
CTRL	29	1.48296	1.47141	1.47378	2.28386	2.27973	2.27979	-0.8009	-0.80832	-0.80602						
	30	1.4812	1.4731	1.4721	2.2825	2.2820	2.2800	-0.80128	-0.80896	-0.80787						
5	13	1.4712	1.4814	1.4795	2.2795	2.2831	2.2806	-0.80825	-0.80173	-0.80115						
	14	1.4747	1.4857	1.4843	2.2809	2.2862	2.2849	-0.8062	-0.80045	-0.80064						
	15	1.4713	1.4785	1.4777	2.2765	2.2861	2.2854	-0.80518	-0.80768	-0.80774						
	16	1.4692	1.4897	1.4891	2.2818	2.2834	2.2835	-0.8126	-0.79379	-0.79437						
	Min	1.4692	1.4785	1.4777	2.2765	2.2831	2.2806	-0.81260	-0.80768	-0.80774						
	Max	1.4747	1.4897	1.4891	2.2818	2.2862	2.2854	-0.80518	-0.79379	-0.79437						
	Mean	1.4716	1.4838	1.4826	2.2797	2.2847	2.2836	-0.80806	-0.80091	-0.80098						
	Std. Dev	0.0023	0.0049	0.0051	0.0023	0.0017	0.0022	0.00329	0.00570	0.00546						
	Mean - 3 Sigma	1.4647	1.4691	1.4672	2.2726	2.2797	2.2772	-0.81792	-0.81801	-0.81736						
	Mean + 3 Sigma	1.4785	1.4985	1.4981	2.2867	2.2897	2.2901	-0.79820	-0.78382	-0.78459						
Limit:		>1.31, <1.76 V			Limit:			>2.04, <2.54 V			Limit:			>-1.04, <-0.61 V		

Wafer	SN	Output Voltage High Q1 Vcc=3.3V, Vid=0.2V			V	Output Voltage Low not Q1 Vcc=3.3V, Vid=0.2V			V	Differential Output Voltage Q1 Vcc=3.3V, Vid=0.2V			V			
		PRE	100k	24Hr		PRE	100k	24Hr		PRE	100k	24Hr				
CTRL	29	2.2717	2.26641	2.26653	1.47652	1.45952	1.45977	0.79518	0.80689	0.80676						
	30	2.2712	2.2681	2.2695	1.4699	1.4509	1.4527	0.80126	0.81713	0.81675						
5	13	2.2683	2.2171	2.2704	1.4621	1.4753	1.4726	0.80619	0.74182	0.79774						
	14	2.2720	2.2690	2.2730	1.4689	1.4813	1.4797	0.80305	0.78763	0.79332						
	15	2.2649	2.2731	2.2743	1.4638	1.4720	1.4718	0.80107	0.80113	0.80254						
	16	2.2683	2.2720	2.2720	1.4624	1.4754	1.4739	0.80587	0.79665	0.79812						
	Min	2.2649	2.2171	2.2704	1.4621	1.4720	1.4718	0.80107	0.74182	0.79332						
	Max	2.2720	2.2731	2.2743	1.4689	1.4813	1.4797	0.80619	0.80113	0.80254						
	Mean	2.2683	2.2578	2.2724	1.4643	1.4760	1.4745	0.80405	0.78181	0.79793						
	Std. Dev	0.0029	0.0072	0.0017	0.0032	0.0039	0.0036	0.00243	0.02724	0.00377						
	Mean - 3 Sigma	2.2596	2.1763	2.2674	1.4548	1.4643	1.4638	0.79674	0.70008	0.78663						
	Mean + 3 Sigma	2.2770	2.3393	2.2774	1.4738	1.4877	1.4852	0.81135	0.86354	0.80923						
Limit:		>2.04, <2.54 V			Limit:			>1.31, <1.76 V			Limit:			>0.61, <1.04 V		

Wafer	SN	Output Voltage High Q2 Vcc=3.3V, Vid=0.2V			V	Output Voltage Low not Q2 Vcc=3.3V, Vid=0.2V			V	Differential Output Voltage Q2 Vcc=3.3V, Vid=0.2V			V			
		PRE	100k	24Hr		PRE	100k	24Hr		PRE	100k	24Hr				
CTRL	29	2.28309	2.27743	2.27845	1.48114	1.47143	1.4713	0.80195	0.806	0.80715						
	30	2.2823	2.2790	2.2813	1.4807	1.4726	1.4734	0.80163	0.80632	0.80786						
5	13	2.2797	2.2795	2.2788	1.4689	1.4810	1.4784	0.81075	0.79858	0.80043						
	14	2.2828	2.2840	2.2830	1.4751	1.4858	1.4833	0.80774	0.79819	0.79967						
	15	2.2774	2.2829	2.2830	1.4694	1.4783	1.4768	0.808	0.80466	0.80619						
	16	2.2820	2.2836	2.2831	1.4678	1.4895	1.4883	0.81414	0.79403	0.79487						
	Min	2.2774	2.2795	2.2788	1.4678	1.4783	1.4768	0.80774	0.79403	0.79487						
	Max	2.2828	2.2840	2.2831	1.4751	1.4895	1.4883	0.81414	0.80466	0.80619						
	Mean	2.2805	2.2825	2.2820	1.4703	1.4836	1.4817	0.81016	0.79887	0.80029						
	Std. Dev	0.0024	0.0020	0.0021	0.0032	0.0050	0.0052	0.00298	0.00438	0.00464						
	Mean - 3 Sigma	2.2731	2.2764	2.2757	1.4606	1.4686	1.4661	0.80121	0.78573	0.78637						
	Mean + 3 Sigma	2.2878	2.2885	2.2883	1.4800	1.4987	1.4972	0.81911	0.81200	0.81421						
Limit:		>2.04, <2.54 V			Limit:			>1.31, <1.76 V			Limit:			>0.61, <1.04 V		

Wafer	SN	Output Voltage Low Q1 Vcc=3.3V, Vid=0.2V			V	Output Voltage High not Q1 Vcc=3.3V, Vid=0.2V			V	Differential Output Voltage Q1 Vcc=3.3V, Vid=0.2V			V			
		PRE	100k	24Hr		PRE	100k	24Hr		PRE	100k	24Hr				
CTRL	29	1.46969	1.45371	1.45326	2.27922	2.27233	2.27194	-0.80953	-0.81862	-0.81868						
	30	1.4643	1.4456	1.4469	2.2762	2.2738	2.2752	-0.81196	-0.82822	-0.82834						
5	13	1.4561	1.4604	1.4667	2.2746	2.2775	2.2751	-0.81843	-0.81708	-0.80845						
	14	1.4632	1.4743	1.4737	2.2780	2.2792	2.2781	-0.81478	-0.80499	-0.80435						
	15	1.4585	1.4673	1.4669	2.2708	2.2791	2.2797	-0.81235	-0.81177	-0.81280						
	16	1.4559	1.4691	1.4680	2.2758	2.2778	2.2780	-0.81997	-0.8087	-0.80998						
	Min	1.4559	1.4604	1.4667	2.2708	2.2775	2.2751	-0.81997	-0.81708	-0.81280						
	Max	1.4632	1.4743	1.4737	2.2780	2.2792	2.2797	-0.81235	-0.80499	-0.80435						
	Mean	1.4584	1.4678	1.4688	2.2748	2.2784	2.2777	-0.81638	-0.81064	-0.80890						
	Std. Dev	0.0034	0.0057	0.0033	0.0030	0.0009	0.0019	0.00346	0.00511	0.00353						
	Mean - 3 Sigma	1.4482	1.4505	1.4589	2.2658	2.2756	2.2720	-0.82676	-0.82597	-0.81947						
	Mean + 3 Sigma	1.4687	1.4850	1.4788	2.2838	2.2811	2.2834	-0.80601	-0.79530	-0.79832						
Limit:		>1.31, <1.76 V			Limit:			>2.04, <2.54 V			Limit:			>-1.04, <-0.61 V		

Wafer	SN	Output Voltage Low Q2 Vcc=3.3V, Vid=0.2V			V	Output Voltage High not Q2 Vcc=3.3V, Vid=0.2V			V	Differential Output Voltage Q2 Vcc=3.3V, Vid=0.2V			V			
		PRE	100k	24Hr		PRE	100k	24Hr		PRE	100k	24Hr				
CTRL	29	1.48264	1.47173	1.47275	2.28297	2.2789	2.27851	-0.80032	-0.80717	-0.80576						
	30	1.4809	1.4722	1.4744	2.2814	2.2813	2.2819	-0.80058	-0.80909	-0.80755						
5	13	1.4701	1.4811	1.4789	2.2787	2.2824	2.2801	-0.80857	-0.80128	-0.80122						
	14	1.4763	1.4850	1.4836	2.2827	2.2859	2.2842	-0.80639	-0.80089	-0.80064						
	15	1.4708	1.4774	1.4767	2.2761	2.2852	2.2850	-0.80537	-0.80781	-0.80832						
	16	1.4696	1.4895	1.4885	2.2817	2.2831	2.2824	-0.81215	-0.7936	-0.79392						
	Min	1.4696	1.4774	1.4767	2.2761	2.2824	2.2801	-0.81215	-0.80781	-0.80832						
	Max	1.4763	1.4895	1.4885	2.2827	2.2859	2.2850	-0.80537	-0.79360	-0.79392						
	Mean	1.4717	1.4833	1.4819	2.2798	2.2841	2.2829	-0.80812	-0.80090	-0.80103						
	Std. Dev	0.0031	0.0052	0.0053	0.0030	0.0016	0.0022	0.00300	0.00581	0.00588						
	Mean - 3 Sigma	1.4624	1.4676	1.4661	2.2709	2.2792	2.2764	-0.81712	-0.81832	-0.81868						
	Mean + 3 Sigma	1.4810	1.4989	1.4977	2.2887	2.2891	2.2894	-0.79912	-0.78347	-0.78337						
Limit:		>1.31, <1.76 V			Limit:			>2.04, <2.54 V			Limit:			>-1.04, <-0.61 V		

Wafer	SN	Output Voltage High Q1 Vcc=3.3V, Vid=0.2V			V	Output Voltage Low not Q1 Vcc=3.3V, Vid=0.2V			V	Differential Output Voltage Q1 Vcc=3.3V, Vid=0.2V			V			
		PRE	100k	24Hr		PRE	100k	24Hr		PRE	100k	24Hr				
CTRL	29	2.27132	2.26653	2.26641	1.47614	1.45932	1.45958	0.79518	0.80721	0.80683						
	30	2.2709	2.2674	2.2680	1.4696	1.4502	1.4516	0.80133	0.81726	0.81636						
5	13	2.2680	2.2175	2.2703	1.4618	1.4748	1.4724	0.80619	0.74265	0.79787						
	14	2.2706	2.2687	2.2723	1.4674	1.4808	1.4794	0.80318	0.78782	0.79287						
	15	2.2645	2.2726	2.2738	1.4635	1.4712	1.4707	0.80101	0.80132	0.80305						
	16	2.2673	2.2716	2.2711	1.4619	1.4748	1.4735	0.80542	0.79684	0.79755						
	Min	2.2645	2.2175	2.2703	1.4618	1.4712	1.4707	0.80101	0.74265	0.79287						
	Max	2.2706	2.2726	2.2738	1.4674	1.4808	1.4794	0.80619	0.80132	0.80305						
	Mean	2.2676	2.2576	2.2718	1.4636	1.4754	1.4740	0.80395	0.78216	0.79784						
	Std. Dev	0.0025	0.0268	0.0015	0.0026	0.0040	0.0038	0.00234	0.02693	0.00416						
	Mean - 3 Sigma	2.2600	2.1772	2.2673	1.4557	1.4634	1.4627	0.79693	0.70137	0.78535						
	Mean + 3 Sigma	2.2752	2.3379	2.2764	1.4716	1.4874	1.4854	0.81097	0.86295	0.81032						
Limit:		>2.04, <2.54 V			Limit:			>1.31, <1.76 V			Limit:			>0.61, <1.04 V		

Wafer	SN	Output Voltage High Q2 Vcc=3.3V, Vid=0.2V			V	Output Voltage Low not Q2 Vcc=3.3V, Vid=0.2V			V	Differential Output Voltage Q2 Vcc=3.3V, Vid=0.2V			V			
		PRE	100k	24Hr		PRE	100k	24Hr		PRE	100k	24Hr				
CTRL	29	2.28238	2.27672	2.278	1.48082	1.47111	1.47111	0.80157	0.80562	0.80690						
	30	2.2814	2.2789	2.2801	1.4806	1.4719	1.4725	0.80074	0.80696	0.80766						
5	13	2.2791	2.2796	2.2780	1.4687	1.4811	1.4783	0.81037	0.79851	0.79967						
	14	2.2818	2.2834	2.2831	1.4739	1.4852	1.4829	0.808	0.79819	0.80018						
	15	2.2763	2.2812	2.2819	1.4687	1.4776	1.4765	0.80755	0.80357	0.80543						
	16	2.2808	2.2833	2.2829	1.4668	1.4892	1.4884	0.81395	0.7941	0.79448						
	Min	2.2763	2.2796	2.2780	1.4668	1.4776	1.4765	0.80755	0.79410	0.79448						
	Max	2.2818	2.2834	2.2831	1.4739	1.4892	1.4884	0.81395	0.80357	0.80543						
	Mean	2.2795	2.2819	2.2815	1.4695	1.4833	1.4815	0.80997	0.79859	0.79994						
	Std. Dev	0.0024	0.0018	0.0024	0.0030	0.0050	0.0053	0.00293	0.00388	0.00448						
	Mean - 3 Sigma	2.2722	2.2764	2.2744	1.4605	1.4683	1.4656	0.80118	0.78696	0.78651						
	Mean + 3 Sigma	2.2868	2.2873	2.2886	1.4786	1.4982	1.4975	0.81875	0.81023	0.81337						
Limit:		>2.04, <2.54 V			Limit:			>1.31, <1.76 V			Limit:			>0.61, <1.04 V		

Wafer	SN	Output Voltage Low Q1 Vcc=3.3V, Vid=0.2V			Output Voltage High not Q1 Vcc=3.3V, Vid=0.2V			Differential Output Voltage Q1 Vcc=3.3V, Vid=0.2V		
		PRE	100k	24Hr	PRE	100k	24Hr	PRE	100k	24Hr
CTRL	29	1.46912	1.45313	1.45307	2.2789	2.2722	2.27271	-0.80978	-0.81907	-0.81964
	30	1.4644	1.4451	1.4460	2.2758	2.2735	2.2743	-0.81138	-0.82841	-0.82834
5	13	1.4557	1.4600	1.4668	2.2742	2.2766	2.2748	-0.81849	-0.81651	-0.80800
	14	1.4625	1.4739	1.4737	2.2767	2.2788	2.2777	-0.81421	-0.80486	-0.80403
	15	1.4582	1.4666	1.4664	2.2702	2.2788	2.2798	-0.81197	-0.81216	-0.81331
	16	1.4548	1.4689	1.4684	2.2751	2.2773	2.2771	-0.82029	-0.80838	-0.80870
	Min	1.4548	1.4600	1.4664	2.2702	2.2766	2.2748	-0.82029	-0.81651	-0.81331
	Max	1.4625	1.4739	1.4737	2.2767	2.2788	2.2798	-0.81197	-0.80486	-0.80403
	Mean	1.4578	1.4674	1.4688	2.2741	2.2779	2.2773	-0.81624	-0.81048	-0.80851
	Std. Dev	0.0035	0.0058	0.0033	0.0028	0.0011	0.0021	0.00382	0.00501	0.00380
	Mean - 3 Sigma	1.4474	1.4501	1.4588	2.2657	2.2745	2.2712	-0.82771	-0.82550	-0.81992
	Mean + 3 Sigma	1.4682	1.4847	1.4789	2.2824	2.2812	2.2835	-0.80477	-0.79546	-0.79710
Limit:		>1.31, <1.76 V			Limit: >2.04, <2.54 V			Limit: >-1.04, <-0.61 V		

Wafer	SN	Output Voltage Low Q2 Vcc=3.3V, Vid=0.2V			Output Voltage High not Q2 Vcc=3.3V, Vid=0.2V			Differential Output Voltage Q2 Vcc=3.3V, Vid=0.2V		
		PRE	100k	24Hr	PRE	100k	24Hr	PRE	100k	24Hr
CTRL	29	1.48213	1.47147	1.47224	2.2829	2.27851	2.27838	-0.80077	-0.80704	-0.80614
	30	1.4805	1.4717	1.4738	2.2814	2.2807	2.2813	-0.8009	-0.80896	-0.80755
5	13	1.4700	1.4810	1.4790	2.2777	2.2822	2.2801	-0.80767	-0.80115	-0.80115
	14	1.4754	1.4849	1.4836	2.2816	2.2857	2.2839	-0.80613	-0.80077	-0.80025
	15	1.4707	1.4771	1.4763	2.2758	2.2849	2.2844	-0.80505	-0.80774	-0.80806
	16	1.4692	1.4894	1.4886	2.2812	2.2830	2.2826	-0.81202	-0.7936	-0.79405
	Min	1.4692	1.4771	1.4763	2.2758	2.2822	2.2801	-0.81202	-0.8077	-0.80806
	Max	1.4754	1.4894	1.4886	2.2816	2.2857	2.2844	-0.8051	-0.7936	-0.79405
	Mean	1.4713	1.4831	1.4819	2.2790	2.2839	2.2828	-0.8077	-0.8008	-0.80088
	Std. Dev	0.0028	0.0053	0.0054	0.0028	0.0016	0.0019	0.0031	0.0058	0.00574
	Mean - 3 Sigma	1.4629	1.4673	1.4657	2.2706	2.2790	2.2770	-0.8169	-0.8181	-0.81808
	Mean + 3 Sigma	1.4798	1.4989	1.4980	2.2875	2.2888	2.2885	-0.7985	-0.7835	-0.78367
Limit:		>1.31, <1.76 V			Limit: >2.04, <2.54 V			Limit: >-1.04, <-0.61 V		

Wafer	SN	Output Voltage High Q1 Vcc=3.3V, Vid=0.2V			Output Voltage Low not Q1 Vcc=3.3V, Vid=0.2V			Differential Output Voltage Q1 Vcc=3.3V, Vid=0.2V		
		PRE	100k	24Hr	PRE	100k	24Hr	PRE	100k	24Hr
CTRL	29	2.27145	2.26653	2.26596	1.47614	1.45932	1.45952	0.79531	0.80721	0.80644
	30	2.2711	2.2678	2.2677	1.4696	1.4507	1.4514	0.80152	0.81707	0.81630
5	13	2.2679	2.2176	2.2704	1.4614	1.4751	1.4726	0.80644	0.74252	0.79780
	14	2.2705	2.2690	2.2729	1.4673	1.4807	1.4795	0.80324	0.78833	0.79345
	15	2.2646	2.2728	2.2740	1.4635	1.4716	1.4711	0.80113	0.80126	0.80292
	16	2.2674	2.2718	2.2715	1.4619	1.4749	1.4735	0.80542	0.79697	0.79799
	Min	2.2646	2.2176	2.2704	1.4614	1.4716	1.4711	0.80113	0.74252	0.79345
	Max	2.2705	2.2728	2.2740	1.4673	1.4807	1.4795	0.80644	0.80126	0.80292
	Mean	2.2676	2.2578	2.2722	1.4635	1.4756	1.4742	0.80406	0.78227	0.79804
	Std. Dev	0.0024	0.0269	0.0016	0.0026	0.0038	0.0037	0.00236	0.02704	0.00387
	Mean - 3 Sigma	2.2604	2.1772	2.2675	1.4556	1.4642	1.4632	0.79696	0.70115	0.78643
	Mean + 3 Sigma	2.2748	2.3384	2.2769	1.4714	1.4869	1.4852	0.81115	0.86339	0.80965
Limit:		>2.04, <2.54 V			Limit: >1.31, <1.76 V			Limit: >0.61, <1.04 V		

Wafer	SN	Output Voltage High Q2 Vcc=3.3V, Vid=0.2V			Output Voltage Low not Q2 Vcc=3.3V, Vid=0.2V			Differential Output Voltage Q2 Vcc=3.3V, Vid=0.2V		
		PRE	100k	24Hr	PRE	100k	24Hr	PRE	100k	24Hr
CTRL	29	2.28251	2.27685	2.27813	1.48056	1.47136	1.47085	0.80195	0.80549	0.80728
	30	2.2811	2.2783	2.2799	1.4807	1.4721	1.4724	0.80042	0.80619	0.80754
5	13	2.2792	2.2792	2.2783	1.4687	1.4810	1.4785	0.81056	0.79819	0.79979
	14	2.2813	2.2836	2.2830	1.4735	1.4853	1.4829	0.80781	0.79839	0.80005
	15	2.2763	2.2824	2.2825	1.4685	1.4779	1.4765	0.80781	0.80447	0.80600
	16	2.2801	2.2831	2.2829	1.4668	1.4892	1.4883	0.81325	0.79397	0.79461
	Min	2.2763	2.2792	2.2783	1.4668	1.4779	1.4765	0.80781	0.79397	0.79461
	Max	2.2813	2.2836	2.2830	1.4735	1.4892	1.4883	0.81325	0.80447	0.80600
	Mean	2.2792	2.2821	2.2817	1.4694	1.4833	1.4816	0.80986	0.79876	0.80011
	Std. Dev	0.0021	0.0020	0.0022	0.0029	0.0049	0.0052	0.00261	0.00432	0.00466
	Mean - 3 Sigma	2.2729	2.2761	2.2749	1.4608	1.4686	1.4659	0.80204	0.78579	0.78614
	Mean + 3 Sigma	2.2855	2.2880	2.2884	1.4779	1.4981	1.4972	0.81768	0.81172	0.81408
Limit:		>2.04, <2.54 V			Limit: >1.31, <1.76 V			Limit: >0.61, <1.04 V		

Wafer	SN	Output Voltage Low Q1 Vcc=3.3V, Vid=0.2V			V	Output Voltage High not Q1 Vcc=3.3V, Vid=0.2V			V	Differential Output Voltage Q1 Vcc=3.3V, Vid=0.2V			V
		PRE	100k	24Hr		PRE	100k	24Hr		PRE	100k	24Hr	
CTRL	29	1.46944	1.4532	1.45326	2.27948	2.2722	2.2722	-0.81004	-0.819	-0.81894			
	30	1.4645	1.4453	1.4455	2.2766	2.2735	2.2741	-0.81208	-0.82815	-0.82866			
5	13	1.4561	1.4608	1.4670	2.2746	2.2769	2.2752	-0.81843	-0.81619	-0.80819			
	14	1.4619	1.4745	1.4734	2.2768	2.2787	2.2777	-0.81491	-0.80422	-0.80435			
	15	1.4581	1.4666	1.4664	2.2707	2.2795	2.2792	-0.81261	-0.81286	-0.81280			
	16	1.4553	1.4692	1.4681	2.2757	2.2777	2.2778	-0.82041	-0.80851	-0.80966			
	Min	1.4553	1.4608	1.4664	2.2707	2.2769	2.2752	-0.82041	-0.81619	-0.81280			
	Max	1.4619	1.4745	1.4734	2.2768	2.2795	2.2792	-0.81261	-0.80422	-0.80435			
	Mean	1.4579	1.4678	1.4687	2.2744	2.2782	2.2775	-0.81659	-0.81045	-0.80875			
	Std. Dev	0.0029	0.0057	0.0032	0.0026	0.0011	0.0017	0.00349	0.00521	0.00351			
	Mean - 3 Sigma	1.4490	1.4506	1.4593	2.2665	2.2748	2.2725	-0.82707	-0.82607	-0.81927			
	Mean + 3 Sigma	1.4667	1.4849	1.4782	2.2824	2.2816	2.2825	-0.80611	-0.79482	-0.79823			
	Limit:	>1.31, <1.76 V			Limit: >2.04, <2.54 V			Limit: >-1.04, <-0.61 V					

Wafer	SN	Output Voltage Low Q2 Vcc=3.3V, Vid=0.2V			V	Output Voltage High not Q2 Vcc=3.3V, Vid=0.2V			V	Differential Output Voltage Q2 Vcc=3.3V, Vid=0.2V			V
		PRE	100k	24Hr		PRE	100k	24Hr		PRE	100k	24Hr	
CTRL	29	1.48239	1.47109	1.47237	2.28278	2.27922	2.27781	-0.80039	-0.80813	-0.80544			
	30	1.4811	1.4718	1.4729	2.2819	2.2811	2.2813	-0.80077	-0.80928	-0.80838			
5	13	1.4701	1.4808	1.4793	2.2782	2.2820	2.2797	-0.80818	-0.80128	-0.80038			
	14	1.4757	1.4848	1.4835	2.2815	2.2857	2.2838	-0.80581	-0.80089	-0.80025			
	15	1.4701	1.4777	1.4768	2.2759	2.2852	2.2844	-0.80582	-0.80755	-0.80762			
	16	1.4692	1.4897	1.4886	2.2813	2.2828	2.2825	-0.81215	-0.79315	-0.79392			
	Min	1.4692	1.4777	1.4768	2.2759	2.2820	2.2797	-0.81215	-0.80755	-0.80762			
	Max	1.4757	1.4897	1.4886	2.2815	2.2857	2.2844	-0.80581	-0.79315	-0.79392			
	Mean	1.4713	1.4832	1.4820	2.2793	2.2839	2.2826	-0.80799	-0.80072	-0.80054			
	Std. Dev	0.0030	0.0052	0.0052	0.0027	0.0018	0.0021	0.00299	0.00590	0.00560			
	Mean - 3 Sigma	1.4623	1.4677	1.4665	2.2712	2.2786	2.2763	-0.81696	-0.81841	-0.81734			
	Mean + 3 Sigma	1.4802	1.4988	1.4976	2.2873	2.2893	2.2889	-0.79902	-0.78303	-0.78374			
	Limit:	>1.31, <1.76 V			Limit: >2.04, <2.54 V			Limit: >-1.04, <-0.61 V					

Wafer	SN	Output Voltage High Q1 Vcc=2.5V, Vid=2.5V			V	Output Voltage Low not Q1 Vcc=2.5V, Vid=2.5V			V	Differential Output Voltage Q1 Vcc=2.5V, Vid=2.5V			V
		PRE	100k	24Hr		PRE	100k	24Hr		PRE	100k	24Hr	
CTRL	29	1.47302	1.46798	1.46791	0.71664	0.69848	0.69848	0.75638	0.7695	0.76943			
	30	1.4726	1.4693	1.4691	0.7095	0.6897	0.6902	0.76317	0.77961	0.77884			
5	13	1.4692	1.4186	1.4716	0.7015	0.7144	0.7122	0.7677	0.70423	0.75938			
	14	1.4723	1.4700	1.4742	0.7078	0.7208	0.7191	0.7645	0.74921	0.75510			
	15	1.4658	1.4743	1.4759	0.7030	0.7114	0.7108	0.76284	0.7629	0.76508			
	16	1.4687	1.4730	1.4732	0.7014	0.7146	0.7135	0.76725	0.75836	0.75970			
	Min	1.4658	1.4186	1.4716	0.7014	0.7114	0.7108	0.76284	0.70423	0.75510			
	Max	1.4723	1.4743	1.4759	0.7078	0.7208	0.7191	0.76770	0.76290	0.76508			
	Mean	1.4690	1.4590	1.4737	0.7034	0.7153	0.7139	0.76557	0.74368	0.75982			
	Std. Dev	0.0026	0.0270	0.0018	0.0030	0.0039	0.0036	0.00231	0.02691	0.00409			
	Mean - 3 Sigma	1.4610	1.3780	1.4683	0.6944	0.7035	0.7029	0.75865	0.66296	0.74755			
	Mean + 3 Sigma	1.4769	1.5399	1.4791	0.7124	0.7271	0.7248	0.77249	0.82439	0.77208			
	Limit:	>1.24, <1.74 V			Limit: >0.51, <.96 V			Limit: >0.61, <1.04 V					

Wafer	SN	Output Voltage High Q2 Vcc=2.5V, Vid=2.5V			V	Output Voltage Low not Q2 Vcc=2.5V, Vid=2.5V			V	Differential Output Voltage Q2 Vcc=2.5V, Vid=2.5V			V
		PRE	100k	24Hr		PRE	100k	24Hr		PRE	100k	24Hr	
CTRL	29	1.4836	1.47781	1.47864	0.72064	0.71009	0.70952	0.76296	0.76771	0.76912			
	30	1.4826	1.4799	1.4806	0.7198	0.7102	0.7104	0.76283	0.7697	0.77015			
5	13	1.4801	1.4801	1.4795	0.7077	0.7202	0.7177	0.77233	0.75984	0.76176			
	14	1.4832	1.4845	1.4834	0.7139	0.7248	0.7227	0.76926	0.75971	0.76067			
	15	1.4777	1.4833	1.4829	0.7082	0.7177	0.7163	0.76945	0.7656	0.76656			
	16	1.4819	1.4839	1.4838	0.7062	0.7286	0.7276	0.77566	0.7553	0.75613			
	Min	1.4777	1.4801	1.4795	0.7062	0.7177	0.7163	0.76926	0.75530	0.75613			
	Max	1.4832	1.4845	1.4838	0.7139	0.7286	0.7276	0.77566	0.76560	0.76656			
	Mean	1.4807	1.4829	1.4824	0.7090	0.7228	0.7211	0.77168	0.76011	0.76128			
	Std. Dev	0.0024	0.0020	0.0020	0.0034	0.0048	0.0052	0.00301	0.00422	0.00428			
	Mean - 3 Sigma	1.4735	1.4770	1.4765	0.6989	0.7083	0.7056	0.76266	0.74744	0.74843			
	Mean + 3 Sigma	1.4879	1.4889	1.4883	0.7191	0.7373	0.7366	0.78069	0.77278	0.77413			
	Limit:	>1.24, <1.74 V			Limit: >0.51, <.96 V			Limit: >0.61, <1.04 V					

Wafer	SN	Output Voltage Low Q1 Vcc=2.5V, Vid=2.5V			V	Output Voltage High not Q1 Vcc=2.5V, Vid=2.5V			V	Differential Output Voltage Q1 Vcc=2.5V, Vid=2.5V			V	
		PRE	100k	24Hr		PRE	100k	24Hr		PRE	100k	24Hr		
CTRL	29	0.7094	0.6929	0.69252	1.48043	1.4734	1.47315	-0.77102	-0.7805	-0.78063				
	30	0.7040	0.6842	0.6846	1.4772	1.4746	1.4751	-0.77313	-0.79035	-0.79048				
5	13	0.6957	0.6980	0.7060	1.4756	1.4781	1.4762	-0.77993	-0.78012	-0.77020				
	14	0.7027	0.7139	0.7133	1.4787	1.4798	1.4788	-0.77597	-0.76591	-0.76547				
	15	0.6978	0.7070	0.7062	1.4716	1.4806	1.4807	-0.77379	-0.77353	-0.77449				
	16	0.6944	0.7089	0.7079	1.4768	1.4788	1.4781	-0.78243	-0.76988	-0.77020				
	Min	0.6944	0.6980	0.7060	1.4716	1.4781	1.4762	-0.78243	-0.78012	-0.77449				
	Max	0.7027	0.7139	0.7133	1.4787	1.4806	1.4807	-0.77379	-0.76591	-0.76547				
	Mean	0.6977	0.7069	0.7084	1.4757	1.4793	1.4785	-0.77803	-0.77236	-0.77009				
	Std. Dev	0.0037	0.0067	0.0034	0.0030	0.0011	0.0018	0.00388	0.00604	0.00368				
	Mean - 3 Sigma	0.6866	0.6870	0.6982	1.4667	1.4760	1.4729	-0.78967	-0.79047	-0.78114				
	Mean + 3 Sigma	0.7087	0.7269	0.7186	1.4847	1.4826	1.4840	-0.76639	-0.75425	-0.75904				
Limit:		>0.51, <.96 V			Limit:			>1.24, <1.74 V			Limit:		>-1.04, <-0.61 V	

Wafer	SN	Output Voltage Low Q2 Vcc=2.5V, Vid=2.5V			V	Output Voltage High not Q2 Vcc=2.5V, Vid=2.5V			V	Differential Output Voltage Q2 Vcc=2.5V, Vid=2.5V			V	
		PRE	100k	24Hr		PRE	100k	24Hr		PRE	100k	24Hr		
CTRL	29	0.72169	0.71006	0.71096	1.48414	1.48	1.47891	-0.76245	-0.76994	-0.76795				
	30	0.7197	0.7100	0.7113	1.4824	1.4821	1.4818	-0.76265	-0.77205	-0.77045				
5	13	0.7088	0.7202	0.7180	1.4790	1.4825	1.4808	-0.77019	-0.76226	-0.76277				
	14	0.7152	0.7240	0.7229	1.4831	1.4861	1.4847	-0.76788	-0.76206	-0.76181				
	15	0.7101	0.7169	0.7161	1.4767	1.4863	1.4857	-0.76654	-0.76936	-0.76962				
	16	0.7084	0.7281	0.7275	1.4822	1.4836	1.4832	-0.77383	-0.75553	-0.75573				
	Min	0.7084	0.7169	0.7161	1.4767	1.4825	1.4808	-0.77383	-0.76936	-0.76962				
	Max	0.7152	0.7281	0.7275	1.4831	1.4863	1.4857	-0.76654	-0.75553	-0.75573				
	Mean	0.7106	0.7223	0.7211	1.4802	1.4846	1.4836	-0.76961	-0.76230	-0.76248				
	Std. Dev	0.0031	0.0048	0.0051	0.0030	0.0019	0.0022	0.00319	0.00565	0.00569				
	Mean - 3 Sigma	0.7013	0.7079	0.7058	1.4714	1.4790	1.4771	-0.77919	-0.77925	-0.77955				
	Mean + 3 Sigma	0.7200	0.7367	0.7365	1.4891	1.4902	1.4901	-0.76003	-0.74536	-0.74542				
Limit:		>0.51, <.96 V			Limit:			>1.24, <1.74 V			Limit:		>-1.04, <-0.61 V	

Wafer	SN	Output Voltage High Q1 Vcc=2.5V, Vid=0.2V			V	Output Voltage Low not Q1 Vcc=2.5V, Vid=0.2V			V	Differential Output Voltage Q1 Vcc=2.5V, Vid=0.2V			V	
		PRE	100k	24Hr		PRE	100k	24Hr		PRE	100k	24Hr		
CTRL	29	1.47283	1.46753	1.46625	0.71574	0.69803	0.69733	0.75709	0.7695	0.76892				
	30	1.4715	1.4682	1.4680	0.7088	0.6886	0.6889	0.76266	0.77955	0.77910				
5	13	1.4684	1.4181	1.4711	0.7006	0.7144	0.7115	0.76777	0.70378	0.75958				
	14	1.4705	1.4691	1.4732	0.7067	0.7205	0.7184	0.7638	0.74863	0.75478				
	15	1.4651	1.4734	1.4743	0.7026	0.7107	0.7099	0.76252	0.76271	0.76438				
	16	1.4677	1.4722	1.4723	0.7004	0.7143	0.7127	0.76732	0.75791	0.75958				
	Min	1.4651	1.4181	1.4711	0.7004	0.7107	0.7099	0.76252	0.70378	0.75478				
	Max	1.4705	1.4734	1.4743	0.7067	0.7205	0.7184	0.76777	0.76271	0.76438				
	Mean	1.4679	1.4582	1.4727	0.7025	0.7150	0.7131	0.76535	0.74326	0.75958				
	Std. Dev	0.0022	0.0268	0.0014	0.0029	0.0041	0.0037	0.00259	0.02696	0.00392				
	Mean - 3 Sigma	1.4612	1.3779	1.4686	0.6938	0.7028	0.7021	0.75758	0.66238	0.74782				
	Mean + 3 Sigma	1.4746	1.5386	1.4768	0.7113	0.7272	0.7242	0.77313	0.82414	0.77134				
Limit:		>1.24, <1.74 V			Limit:			>0.51, <.96 V			Limit:		>0.61, <1.04 V	

Wafer	SN	Output Voltage High Q2 Vcc=2.5V, Vid=0.2V			V	Output Voltage Low not Q2 Vcc=2.5V, Vid=0.2V			V	Differential Output Voltage Q2 Vcc=2.5V, Vid=0.2V			V	
		PRE	100k	24Hr		PRE	100k	24Hr		PRE	100k	24Hr		
CTRL	29	1.48283	1.47742	1.47755	0.72013	0.70939	0.7083	0.7627	0.76803	0.76925				
	30	1.4819	1.4786	1.4795	0.7195	0.7099	0.7099	0.76238	0.76874	0.76963				
5	13	1.4793	1.4796	1.4781	0.7073	0.7202	0.7169	0.77195	0.75939	0.76125				
	14	1.4817	1.4841	1.4831	0.7125	0.7246	0.7223	0.76926	0.75946	0.76074				
	15	1.4767	1.4826	1.4824	0.7082	0.7171	0.7152	0.76856	0.76547	0.76720				
	16	1.4809	1.4833	1.4832	0.7054	0.7279	0.7270	0.77553	0.75536	0.75620				
	Min	1.4767	1.4796	1.4781	0.7054	0.7171	0.7152	0.7686	0.7554	0.75620				
	Max	1.4817	1.4841	1.4832	0.7125	0.7279	0.7270	0.7755	0.7655	0.76720				
	Mean	1.4797	1.4824	1.4817	0.7083	0.7225	0.7204	0.7713	0.7599	0.76135				
	Std. Dev	0.0022	0.0020	0.0024	0.0030	0.0047	0.0054	0.0032	0.0042	0.00451				
	Mean - 3 Sigma	1.4730	1.4765	1.4745	0.6994	0.7082	0.7042	0.7618	0.7474	0.74781				
	Mean + 3 Sigma	1.4863	1.4882	1.4889	0.7173	0.7367	0.7365	0.7808	0.7724	0.77489				
Limit:		>1.24, <1.74 V			Limit:			>0.51, <.96 V			Limit:		>0.61, <1.04 V	



Wafer	SN	Output Voltage Low Q1 Vcc=2.5V, Vid=0.2V			Output Voltage High not Q1 Vcc=2.5V, Vid=0.2V			Differential Output Voltage Q1 Vcc=2.5V, Vid=0.2V						
		PRE	100k	24Hr	PRE	100k	24Hr	PRE	100k	24Hr				
CTRL	29	0.70857	0.69233	0.69098	1.47927	1.47276	1.47129	-0.77707	-0.78044	-0.78031				
	30	0.7033	0.6832	0.6832	1.4768	1.4738	1.4740	-0.77352	-0.79055	-0.79087				
5	13	0.6947	0.6971	0.7054	1.4746	1.4772	1.4755	-0.77987	-0.78018	-0.77014				
	14	0.7011	0.7134	0.7127	1.4763	1.4790	1.4780	-0.7752	-0.76559	-0.76527				
	15	0.6972	0.7060	0.7054	1.4708	1.4799	1.4798	-0.77353	-0.77398	-0.77442				
	16	0.6933	0.7085	0.7070	1.4758	1.4781	1.4774	-0.78249	-0.76969	-0.77033				
	Min	0.6933	0.6971	0.7054	1.4708	1.4772	1.4755	-0.7825	-0.7802	-0.77442				
	Max	0.7011	0.7134	0.7127	1.4763	1.4799	1.4798	-0.7735	-0.7656	-0.76527				
	Mean	0.6966	0.7062	0.7076	1.4744	1.4786	1.4777	-0.7778	-0.7724	-0.77004				
	Std. Dev	0.0034	0.0068	0.0035	0.0025	0.0011	0.0018	0.0041	0.0062	0.00374				
	Mean - 3 Sigma	0.6863	0.6857	0.6972	1.4669	1.4751	1.4724	-0.7902	-0.7911	-0.78127				
	Mean + 3 Sigma	0.7068	0.7267	0.7180	1.4818	1.4820	1.4829	-0.7654	-0.7536	-0.75881				
Limit:		>0.51, <.96 V			Limit:			>1.24, <1.74 V			Limit:		>-1.04, <-0.61 V	

Wafer	SN	Output Voltage Low Q2 Vcc=2.5V, Vid=0.2V			Output Voltage High not Q2 Vcc=2.5V, Vid=0.2V			Differential Output Voltage Q2 Vcc=2.5V, Vid=0.2V						
		PRE	100k	24Hr	PRE	100k	24Hr	PRE	100k	24Hr				
CTRL	29	0.72086	0.70917	0.70955	1.48267	1.47898	1.47763	-0.76181	-0.76981	-0.76808				
	30	0.7191	0.7093	0.7099	1.4820	1.4806	1.4806	-0.7629	-0.77134	-0.77064				
5	13	0.7084	0.7192	0.7178	1.4779	1.4820	1.4799	-0.76948	-0.76277	-0.76213				
	14	0.7133	0.7238	0.7227	1.4808	1.4854	1.4841	-0.76756	-0.76155	-0.76136				
	15	0.7089	0.7160	0.7151	1.4758	1.4849	1.4841	-0.76686	-0.76891	-0.76898				
	16	0.7069	0.7283	0.7267	1.4812	1.4828	1.4823	-0.77428	-0.75445	-0.75560				
	Min	0.7069	0.7160	0.7151	1.4758	1.4820	1.4799	-0.7743	-0.7689	-0.76898				
	Max	0.7133	0.7283	0.7267	1.4812	1.4854	1.4841	-0.7669	-0.7545	-0.75560				
	Mean	0.7094	0.7218	0.7206	1.4789	1.4837	1.4826	-0.7695	-0.7619	-0.76202				
	Std. Dev	0.0027	0.0054	0.0052	0.0026	0.0016	0.0020	0.0033	0.0059	0.00548				
	Mean - 3 Sigma	0.7012	0.7056	0.7051	1.4712	1.4788	1.4767	-0.7796	-0.7797	-0.77846				
	Mean + 3 Sigma	0.7176	0.7380	0.7361	1.4866	1.4886	1.4885	-0.7595	-0.7441	-0.74558				
Limit:		>0.51, <.96 V			Limit:			>1.24, <1.74 V			Limit:		>-1.04, <-0.61 V	

Wafer	SN	Output Voltage High Q1 Vcc=2.3V, Vid=2.3V			Output Voltage Low not Q1 Vcc=2.3V, Vid=2.3V			Differential Output Voltage Q1 Vcc=2.3V, Vid=2.3V						
		PRE	100k	24Hr	PRE	100k	24Hr	PRE	100k	24Hr				
CTRL	29	1.34851	1.34341	1.34251	0.59843	0.58027	0.5804	0.75008	0.76313	0.76211				
	30	1.3476	1.3441	1.3439	0.5912	0.5714	0.5716	0.75636	0.77267	0.77222				
5	13	1.3444	1.2944	1.3464	0.5833	0.5967	0.5944	0.76108	0.69774	0.75200				
	14	1.3470	1.3449	1.3496	0.5894	0.6031	0.6009	0.75769	0.74189	0.74867				
	15	1.3411	1.3497	1.3506	0.5853	0.5937	0.5933	0.75584	0.75596	0.75731				
	16	1.3440	1.3483	1.3482	0.5831	0.5964	0.5951	0.76089	0.75193	0.75309				
	Min	1.3411	1.2944	1.3464	0.5831	0.5937	0.5933	0.7558	0.6977	0.74867				
	Max	1.3470	1.3497	1.3506	0.5894	0.6031	0.6009	0.7611	0.7560	0.75731				
	Mean	1.3441	1.3343	1.3487	0.5853	0.5975	0.5959	0.7589	0.7369	0.75277				
	Std. Dev	0.0024	0.0267	0.0018	0.0029	0.0040	0.0034	0.0026	0.0268	0.00356				
	Mean - 3 Sigma	1.3368	1.2542	1.3431	0.5765	0.5856	0.5858	0.7512	0.6566	0.74207				
	Mean + 3 Sigma	1.3514	1.4144	1.3542	0.5940	0.6094	0.6061	0.7665	0.8171	0.76346				
Limit:		>1.115 <1.615 V			Limit:			>0.385 <0.835 V			Limit:		>0.61, <1.04 V	

Wafer	SN	Output Voltage High Q2 Vcc=2.3V, Vid=2.3V			Output Voltage Low not Q2 Vcc=2.3V, Vid=2.3V			Differential Output Voltage Q2 Vcc=2.3V, Vid=2.3V						
		PRE	100k	24Hr	PRE	100k	24Hr	PRE	100k	24Hr				
CTRL	29	1.35918	1.35281	1.35396	0.60245	0.59183	0.591	0.75673	0.76097	0.76295				
	30	1.3576	1.3544	1.3551	0.6016	0.5926	0.5917	0.75609	0.7618	0.76340				
5	13	1.3554	1.3557	1.3545	0.5900	0.6019	0.5996	0.76533	0.7538	0.75489				
	14	1.3577	1.3595	1.3591	0.5951	0.6063	0.6046	0.76258	0.75323	0.75444				
	15	1.3525	1.3580	1.3586	0.5903	0.5997	0.5982	0.7622	0.75828	0.76033				
	16	1.3567	1.3584	1.3586	0.5881	0.6107	0.6093	0.76866	0.74766	0.74932				
	Min	1.3525	1.3557	1.3545	0.5881	0.5997	0.5982	0.7622	0.7477	0.74932				
	Max	1.3577	1.3595	1.3591	0.5951	0.6107	0.6093	0.7687	0.7583	0.76033				
	Mean	1.3556	1.3579	1.3577	0.5909	0.6047	0.6030	0.7647	0.7532	0.75475				
	Std. Dev	0.0023	0.0016	0.0021	0.0030	0.0049	0.0050	0.0030	0.0044	0.00450				
	Mean - 3 Sigma	1.3488	1.3531	1.3513	0.5819	0.5900	0.5878	0.7557	0.7402	0.74125				
	Mean + 3 Sigma	1.3623	1.3627	1.3641	0.5998	0.6193	0.6181	0.7737	0.7663	0.76824				
Limit:		>1.115 <1.615 V			Limit:			>0.385 <0.835 V			Limit:		>0.61, <1.04 V	

Wafer	SN	Output Voltage Low Q1 Vcc=2.3V, Vid=2.3V			V	Output Voltage High not Q1 Vcc=2.3V, Vid=2.3V			V	Differential Output Voltage Q1 Vcc=2.3V, Vid=2.3V			V										
		PRE	100k	24Hr		PRE	100k	24Hr		PRE	100k	24Hr											
CTRL	29	0.5911	0.57434	0.5739	1.35614	1.34899	1.34815	-0.76504	-0.77464	-0.77426													
	30	0.5864	0.5660	0.5659	1.3526	1.3500	1.3497	-0.76625	-0.78392	-0.78379													
5	13	0.5778	0.5795	0.5881	1.3510	1.3530	1.3517	-0.77311	-0.77349	-0.76357													
	14	0.5846	0.5962	0.5955	1.3537	1.3555	1.3543	-0.76908	-0.75935	-0.75884													
	15	0.5800	0.5893	0.5886	1.3473	1.3562	1.3561	-0.76729	-0.7669	-0.76754													
	16	0.5762	0.5909	0.5897	1.3521	1.3543	1.3539	-0.77587	-0.76338	-0.76415													
	Min	0.5762	0.5795	0.5881	1.3473	1.3530	1.3517	-0.7759	-0.7735	-0.76754													
	Max	0.5846	0.5962	0.5955	1.3537	1.3562	1.3561	-0.7673	-0.7594	-0.75884													
	Mean	0.5797	0.5890	0.5905	1.3510	1.3548	1.3540	-0.7713	-0.7658	-0.76353													
	Std. Dev	0.0037	0.0069	0.0034	0.0027	0.0014	0.0018	0.0039	0.0060	0.00358													
	Mean - 3 Sigma	0.5687	0.5681	0.5802	1.3429	1.3505	1.3485	-0.7830	-0.7838	-0.77427													
	Mean + 3 Sigma	0.5907	0.6098	0.6007	1.3591	1.3590	1.3594	-0.7597	-0.7478	-0.75278													
Limit:				>0.385 <0.835 V				Limit:				>1.115 <1.615 V				Limit:				>-1.04, <-0.61 V			

Wafer	SN	Output Voltage Low Q2 Vcc=2.3V, Vid=2.3V			V	Output Voltage High not Q2 Vcc=2.3V, Vid=2.3V			V	Differential Output Voltage Q2 Vcc=2.3V, Vid=2.3V			V										
		PRE	100k	24Hr		PRE	100k	24Hr		PRE	100k	24Hr											
CTRL	29	0.60379	0.59191	0.59229	1.35936	1.35528	1.35387	-0.75556	-0.76337	-0.76158													
	30	0.6020	0.5919	0.5924	1.3576	1.3567	1.3567	-0.75563	-0.76478	-0.76433													
5	13	0.5913	0.6022	0.6001	1.3542	1.3581	1.3559	-0.76291	-0.75588	-0.75581													
	14	0.5970	0.6061	0.6049	1.3580	1.3612	1.3600	-0.76106	-0.75511	-0.75511													
	15	0.5914	0.5992	0.5979	1.3517	1.3612	1.3608	-0.76029	-0.76202	-0.76292													
	16	0.5899	0.6104	0.6097	1.3571	1.3587	1.3584	-0.76714	-0.74833	-0.74871													
	Min	0.5899	0.5992	0.5979	1.3517	1.3581	1.3559	-0.7671	-0.7620	-0.76292													
	Max	0.5970	0.6104	0.6097	1.3580	1.3612	1.3608	-0.7603	-0.7483	-0.74871													
	Mean	0.5924	0.6045	0.6031	1.3553	1.3598	1.3588	-0.7629	-0.7553	-0.75564													
	Std. Dev	0.0031	0.0048	0.0053	0.0029	0.0016	0.0021	0.0031	0.0056	0.00581													
	Mean - 3 Sigma	0.5831	0.5899	0.5873	1.3466	1.3549	1.3523	-0.7720	-0.7721	-0.77307													
	Mean + 3 Sigma	0.6017	0.6190	0.6189	1.3639	1.3647	1.3652	-0.7537	-0.7385	-0.73820													
Limit:				>0.385 <0.835 V				Limit:				>1.115 <1.615 V				Limit:				>-1.04, <-0.61 V			

Wafer	SN	Output Voltage High Q1 Vcc=2.3V, Vid=0.2V			V	Output Voltage Low not Q1 Vcc=2.3V, Vid=0.2V			V	Differential Output Voltage Q1 Vcc=2.3V, Vid=0.2V			V										
		PRE	100k	24Hr		PRE	100k	24Hr		PRE	100k	24Hr											
CTRL	29	1.34832	1.34302	1.34187	0.59792	0.58021	0.57937	0.7504	0.76281	0.76250													
	30	1.3478	1.3433	1.3434	0.5914	0.5711	0.5711	0.75642	0.77222	0.77235													
5	13	1.3444	1.2945	1.3467	0.5832	0.5965	0.5944	0.76121	0.69793	0.75232													
	14	1.3465	1.3453	1.3496	0.5886	0.6031	0.6013	0.75788	0.74221	0.74828													
	15	1.3408	1.3493	1.3503	0.5853	0.5935	0.5929	0.75545	0.75577	0.75737													
	16	1.3440	1.3485	1.3480	0.5826	0.5965	0.5958	0.7614	0.75206	0.75225													
	Min	1.3408	1.2945	1.3467	0.5826	0.5935	0.5929	0.7555	0.6979	0.74828													
	Max	1.3465	1.3493	1.3503	0.5886	0.6031	0.6013	0.7614	0.7558	0.75737													
	Mean	1.3439	1.3344	1.3486	0.5849	0.5974	0.5961	0.7590	0.7370	0.75256													
	Std. Dev	0.0024	0.0267	0.0016	0.0027	0.0040	0.0036	0.0029	0.0267	0.00372													
	Mean - 3 Sigma	1.3369	1.2544	1.3439	0.5769	0.5853	0.5851	0.7504	0.6570	0.74138													
	Mean + 3 Sigma	1.3510	1.4144	1.3534	0.5930	0.6095	0.6070	0.7676	0.8170	0.76373													
Limit:				>1.115 <1.615 V				Limit:				>0.385 <0.835 V				Limit:				>0.61, <1.04 V			

Wafer	SN	Output Voltage High Q2 Vcc=2.3V, Vid=0.2V			V	Output Voltage Low not Q2 Vcc=2.3V, Vid=0.2V			V	Differential Output Voltage Q2 Vcc=2.3V, Vid=0.2V			V										
		PRE	100k	24Hr		PRE	100k	24Hr		PRE	100k	24Hr											
CTRL	29	1.3586	1.353	1.35287	0.60219	0.59209	0.59017	0.75641	0.76091	0.76270													
	30	1.3578	1.3542	1.3549	0.6016	0.5918	0.5915	0.75615	0.76238	0.76340													
5	13	1.3551	1.3555	1.3542	0.5899	0.6025	0.5998	0.76521	0.75297	0.75438													
	14	1.3571	1.3595	1.3594	0.5946	0.6072	0.6046	0.76245	0.75233	0.75476													
	15	1.3520	1.3582	1.3583	0.5902	0.5996	0.5985	0.76188	0.75854	0.75982													
	16	1.3560	1.3589	1.3591	0.5879	0.6110	0.6095	0.76815	0.74792	0.74964													
	Min	1.3520	1.3555	1.3542	0.5879	0.5996	0.5985	0.7619	0.7479	0.74964													
	Max	1.3571	1.3595	1.3594	0.5946	0.6110	0.6095	0.7682	0.7585	0.75982													
	Mean	1.3551	1.3580	1.3578	0.5906	0.6051	0.6031	0.7644	0.7529	0.75465													
	Std. Dev	0.0022	0.0018	0.0024	0.0029	0.0050	0.0050	0.0029	0.0044	0.00416													
	Mean - 3 Sigma	1.3485	1.3527	1.3505	0.5821	0.5901	0.5881	0.7558	0.7399	0.74217													
	Mean + 3 Sigma	1.3616	1.3634	1.3650	0.5992	0.6201	0.6181	0.7731	0.7660	0.76713													
Limit:				>1.115 <1.615 V				Limit:				>0.385 <0.835 V				Limit:				>0.61, <1.04 V			

Wafer	SN	Output Voltage Low Q1 Vcc=2.3V, Vid=0.2V			Output Voltage High not Q1 Vcc=2.3V, Vid=0.2V			Differential Output Voltage Q1 Vcc=2.3V, Vid=0.2V		
		PRE	100k	24Hr	PRE	100k	24Hr	PRE	100k	24Hr
CTRL	29	0.59104	0.57492	0.573	1.35594	1.3486	1.34739	-0.76491	-0.77368	-0.77438
	30	0.5860	0.5655	0.5653	1.3527	1.3495	1.3498	-0.76676	-0.78398	-0.78443
5	13	0.5774	0.5794	0.5884	1.3510	1.3530	1.3515	-0.77356	-0.77362	-0.76306
	14	0.5831	0.5960	0.5952	1.3525	1.3546	1.3541	-0.7694	-0.75865	-0.75890
	15	0.5797	0.5887	0.5883	1.3469	1.3556	1.3558	-0.76723	-0.76697	-0.76754
	16	0.5756	0.5911	0.5895	1.3515	1.3538	1.3532	-0.77587	-0.76268	-0.76370
	Min	0.5756	0.5794	0.5883	1.3469	1.3530	1.3515	-0.7759	-0.7736	-0.76754
	Max	0.5831	0.5960	0.5952	1.3525	1.3556	1.3558	-0.7672	-0.7587	-0.75890
	Mean	0.5789	0.5888	0.5904	1.3505	1.3543	1.3537	-0.7715	-0.7655	-0.76330
	Std. Dev	0.0032	0.0070	0.0033	0.0024	0.0011	0.0018	0.0039	0.0064	0.00354
	Mean - 3 Sigma	0.5693	0.5679	0.5805	1.3431	1.3509	1.3482	-0.7833	-0.7847	-0.77391
	Mean + 3 Sigma	0.5886	0.6097	0.6002	1.3578	1.3576	1.3591	-0.7598	-0.7463	-0.75269
Limit:		>0.385 <0.835 V			Limit: >1.115 <1.615 V			Limit: >-1.04, <-0.61 V		

Wafer	SN	Output Voltage Low Q2 Vcc=2.3V, Vid=0.2V			Output Voltage High not Q2 Vcc=2.3V, Vid=0.2V			Differential Output Voltage Q2 Vcc=2.3V, Vid=0.2V		
		PRE	100k	24Hr	PRE	100k	24Hr	PRE	100k	24Hr
CTRL	29	0.60347	0.59165	0.59165	1.35878	1.35509	1.35878	-0.75531	-0.76343	-0.76145
	30	0.6018	0.5917	0.5921	1.3573	1.3564	1.3573	-0.7555	-0.76478	-0.76382
5	13	0.5913	0.6022	0.6002	1.3542	1.3574	1.3542	-0.76291	-0.75524	-0.75594
	14	0.5959	0.6061	0.6047	1.3566	1.3614	1.3566	-0.76067	-0.75537	-0.75530
	15	0.5912	0.5988	0.5979	1.3512	1.3608	1.3512	-0.75997	-0.76202	-0.76241
	16	0.5897	0.6103	0.6093	1.3569	1.3587	1.3569	-0.76726	-0.74839	-0.74903
	Min	0.5897	0.5988	0.5979	1.3512	1.3574	1.3512	-0.7673	-0.7620	-0.76241
	Max	0.5959	0.6103	0.6093	1.3569	1.3614	1.3569	-0.7600	-0.7484	-0.74903
	Mean	0.5920	0.6043	0.6030	1.3547	1.3596	1.3547	-0.7627	-0.7553	-0.75567
	Std. Dev	0.0027	0.0050	0.0051	0.0027	0.0019	0.0027	0.0033	0.0056	0.00547
	Mean - 3 Sigma	0.5839	0.5893	0.5878	1.3467	1.3540	1.3467	-0.7726	-0.7719	-0.77208
	Mean + 3 Sigma	0.6002	0.6193	0.6182	1.3627	1.3652	1.3627	-0.7528	-0.7386	-0.73926
Limit:		>0.385 <0.835 V			Limit: >1.115 <1.615 V			Limit: >-1.04, <-0.61 V		

Wafer	SN	Output Voltage High Q1 Vcc=3.6V, Vid=0.2V			Output Voltage Low not Q1 Vcc=3.6V, Vid=0.2V			Differential Output Voltage Q1 Vcc=3.6V, Vid=0.2V		
		PRE	100k	24Hr	PRE	100k	24Hr	PRE	100k	24Hr
CTRL	29	2.53608	2.53513	2.53219	1.73541	1.72346	1.72128	0.80067	0.81167	0.81091
	30	2.5358	2.5354	2.5328	1.7292	1.7148	1.7127	0.80656	0.82063	0.82012
5	13	2.5315	2.4895	2.5348	1.7229	1.7368	1.7328	0.80854	0.75261	0.80195
	14	2.5344	2.5367	2.5375	1.7265	1.7424	1.7395	0.8079	0.79433	0.79798
	15	2.5285	2.5409	2.5384	1.7243	1.7336	1.7311	0.80419	0.80726	0.80732
	16	2.5313	2.5393	2.5371	1.7227	1.7372	1.7336	0.80854	0.80207	0.80342
	Min	2.5285	2.4895	2.5348	1.7227	1.7336	1.7311	0.8042	0.7526	0.79798
	Max	2.5344	2.5409	2.5384	1.7265	1.7424	1.7395	0.8085	0.8073	0.80732
	Mean	2.5314	2.5266	2.5369	1.7241	1.7375	1.7343	0.8073	0.7891	0.80267
	Std. Dev	0.0024	0.0248	0.0016	0.0017	0.0036	0.0037	0.0021	0.0249	0.00386
	Mean - 3 Sigma	2.5242	2.4521	2.5323	1.7190	1.7266	1.7232	0.8010	0.7144	0.79109
	Mean + 3 Sigma	2.5386	2.6010	2.5416	1.7292	1.7484	1.7453	0.8136	0.8637	0.81425
Limit:		>2.37 <2.87 V			Limit: >1.64 <2.09 V			Limit: >0.61 <1.04 V		

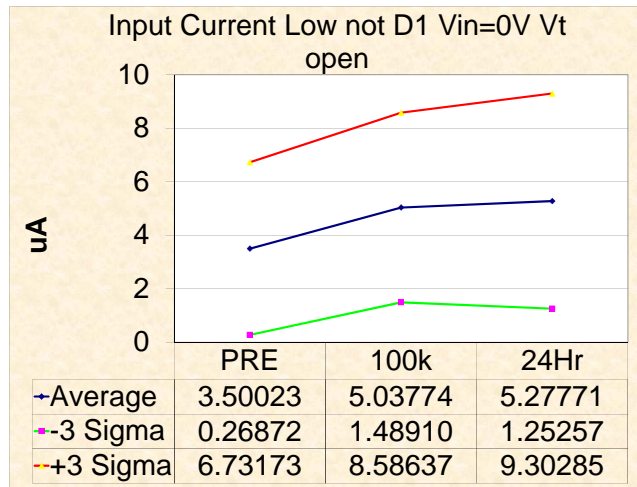
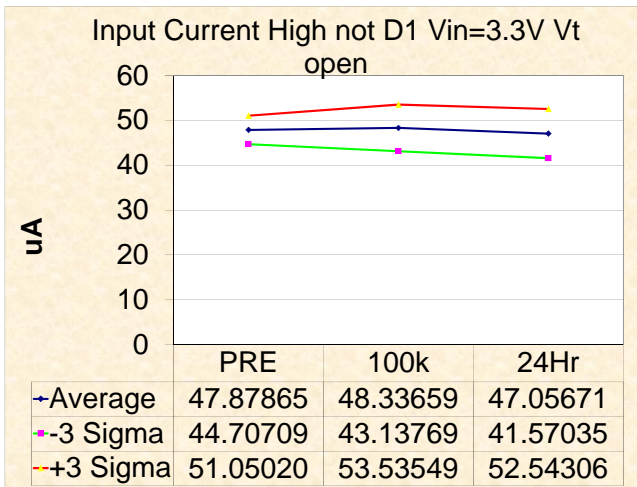
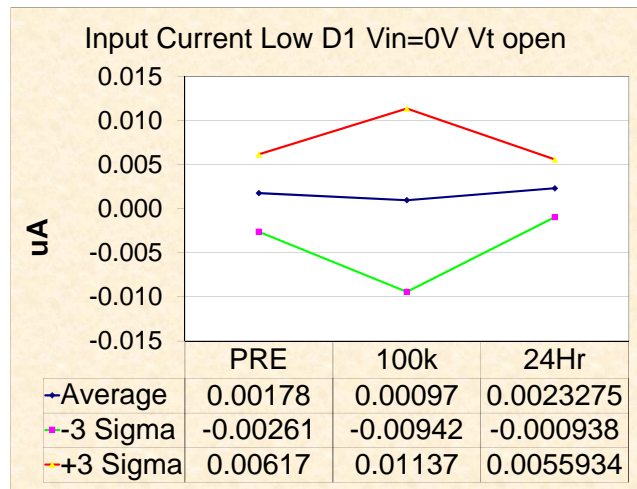
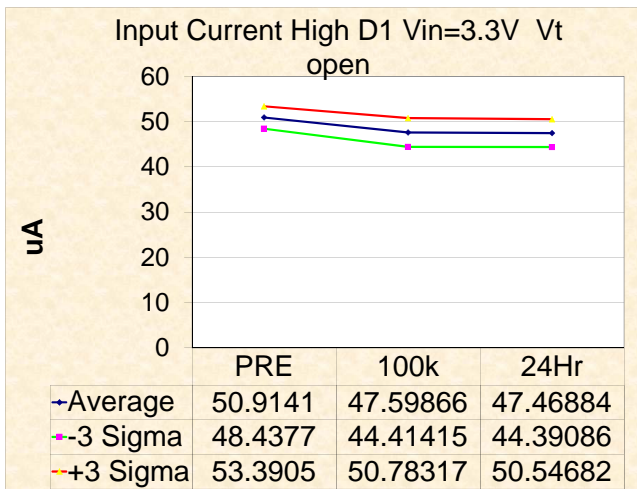
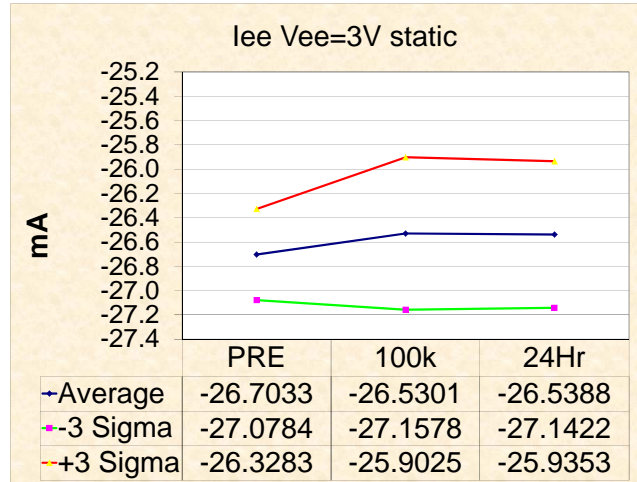
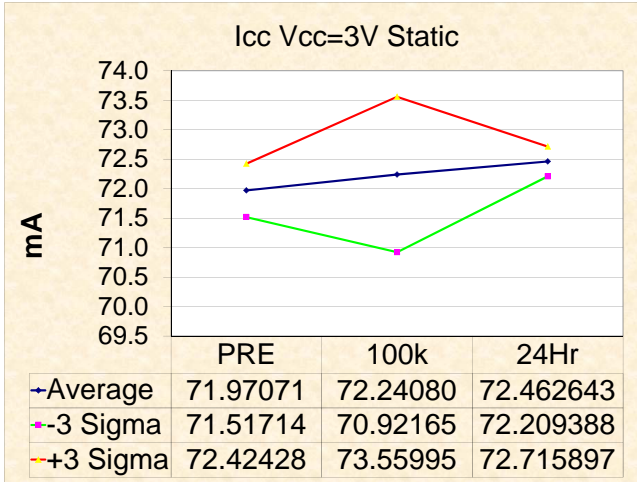
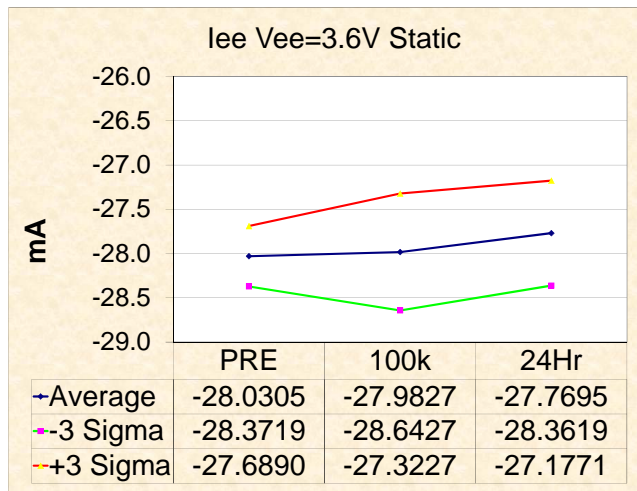
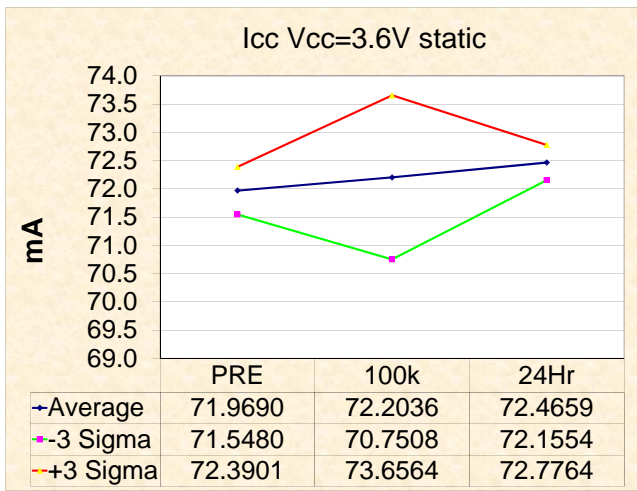
Wafer	SN	Output Voltage High Q2 Vcc=3.6V, Vid=0.2V			Output Voltage Low not Q2 Vcc=3.6V, Vid=0.2V			Differential Output Voltage Q2 Vcc=3.6V, Vid=0.2V		
		PRE	100k	24Hr	PRE	100k	24Hr	PRE	100k	24Hr
CTRL	29	2.54755	2.54567	2.54407	1.7396	1.73489	1.73162	0.80795	0.81079	0.81245
	30	2.5458	2.5468	2.5446	1.7400	1.7352	1.7322	0.80578	0.81155	0.81239
5	13	2.5441	2.5478	2.5444	1.7282	1.7420	1.7387	0.81592	0.80579	0.80567
	14	2.5455	2.5512	2.5489	1.7327	1.7474	1.7421	0.81278	0.80381	0.80675
	15	2.5412	2.5499	2.5477	1.7291	1.7398	1.7366	0.81214	0.81015	0.81117
	16	2.5455	2.5498	2.5482	1.7273	1.7506	1.7467	0.81816	0.7992	0.80157
	Min	2.5412	2.5478	2.5444	1.7273	1.7398	1.7366	0.8121	0.7992	0.80157
	Max	2.5455	2.5512	2.5489	1.7327	1.7506	1.7467	0.8182	0.8102	0.81117
	Mean	2.5441	2.5497	2.5473	1.7293	1.7449	1.7410	0.8148	0.8047	0.80629
	Std. Dev	0.0020	0.0014	0.0020	0.0024	0.0050	0.0044	0.0028	0.0045	0.00394
	Mean - 3 Sigma	2.5380	2.5455	2.5413	1.7222	1.7300	1.7278	0.8063	0.7911	0.79446
	Mean + 3 Sigma	2.5501	2.5539	2.5533	1.7364	1.7598	1.7542	0.8232	0.8184	0.81812
Limit:		>2.37 <2.87 V			Limit: >1.64 <2.09 V			Limit: >0.61 <1.04 V		

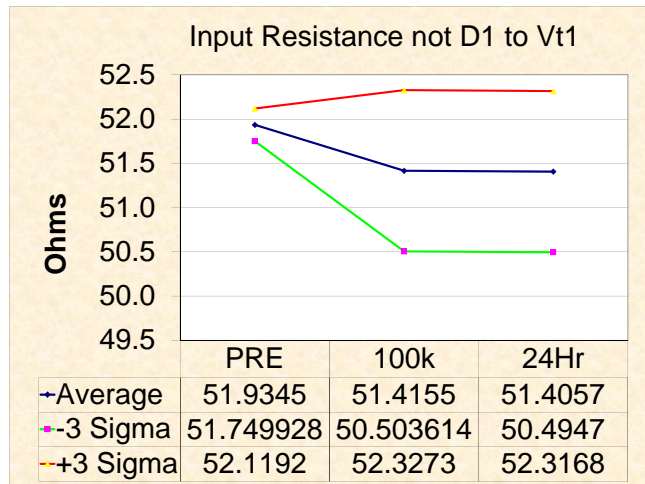
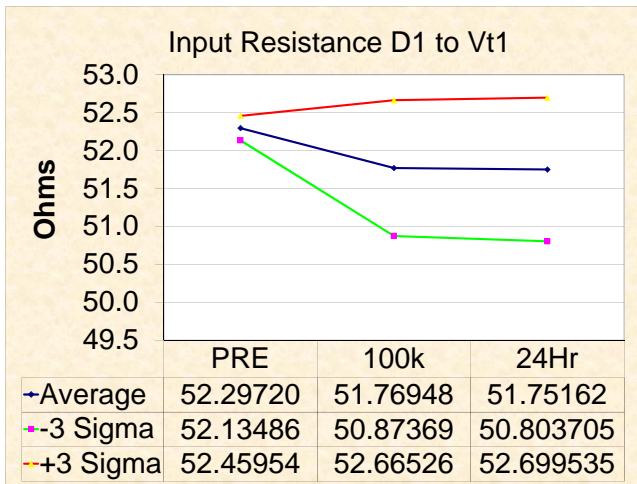
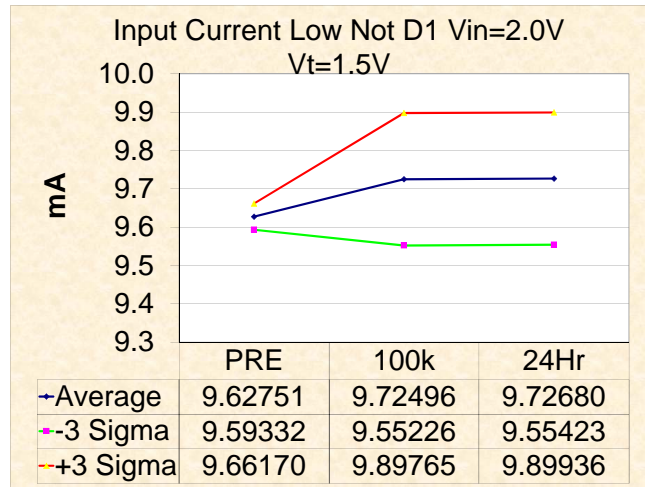
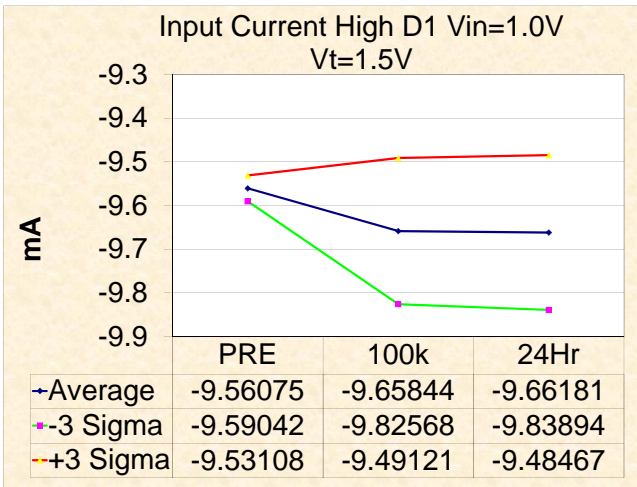
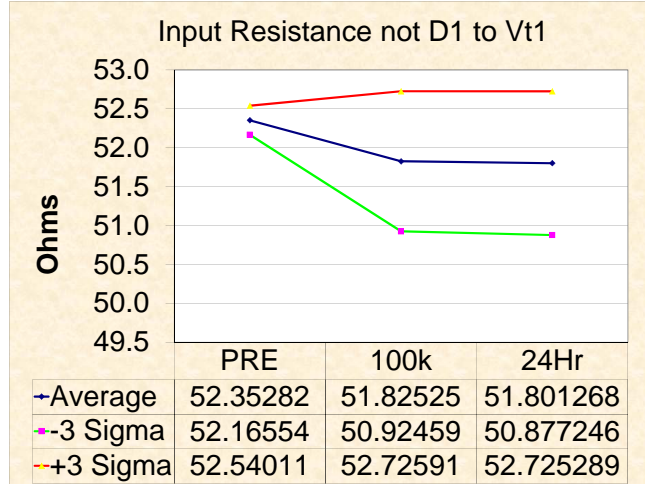
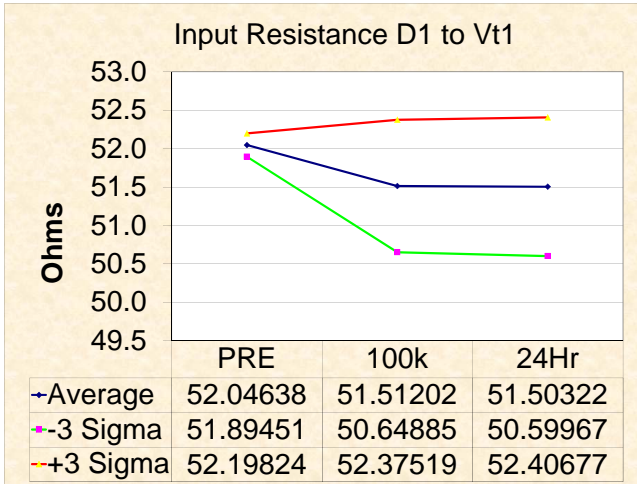
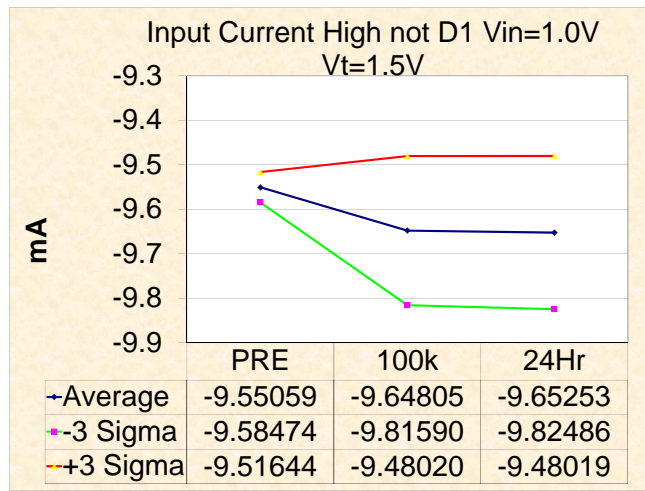
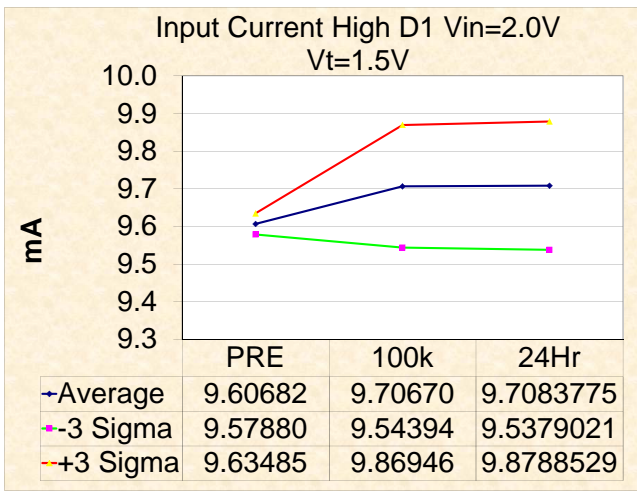
Wafer	SN	Output Voltage Low Q1 Vcc=3.6V, Vid=0.2V			Output Voltage High not Q1 Vcc=3.6V, Vid=0.2V			Differential Output Voltage Q1 Vcc=3.6V, Vid=0.2V						
		PRE	100k	24Hr	PRE	100k	24Hr	PRE	100k	24Hr				
CTRL	29	1.72876	1.71744	1.71527	2.54406	2.54075	2.53691	-0.8153	-0.8233	-0.82164				
	30	1.7238	1.7095	1.7074	2.5411	2.5413	2.5379	-0.81722	-0.83181	-0.83047				
5	13	1.7163	1.7261	1.7263	2.5386	2.5441	2.5403	-0.82228	-0.81793	-0.81396				
	14	1.7213	1.7363	1.7331	2.5403	2.5462	2.5429	-0.81902	-0.80993	-0.80981				
	15	1.7187	1.7288	1.7267	2.5351	2.5468	2.5448	-0.81646	-0.818	-0.81812				
	16	1.7160	1.7310	1.7272	2.5393	2.5458	2.5428	-0.82324	-0.8148	-0.81556				
	Min	1.7160	1.7261	1.7263	2.5351	2.5441	2.5403	-0.8232	-0.8180	-0.81812				
	Max	1.7213	1.7363	1.7331	2.5403	2.5468	2.5448	-0.8165	-0.8099	-0.80981				
	Mean	1.7181	1.7306	1.7283	2.5383	2.5457	2.5427	-0.8203	-0.8152	-0.81436				
	Std. Dev	0.0024	0.0043	0.0032	0.0023	0.0012	0.0018	0.0031	0.0038	0.00349				
	Mean - 3 Sigma	1.7107	1.7177	1.7187	2.5316	2.5422	2.5372	-0.8296	-0.8266	-0.82482				
	Mean + 3 Sigma	1.7254	1.7434	1.7380	2.5451	2.5493	2.5482	-0.8109	-0.8038	-0.80391				
Limit:		>1.64 <2.09 V			Limit:			>2.37 <2.87 V			Limit:		>-1.04, <-0.61 V	

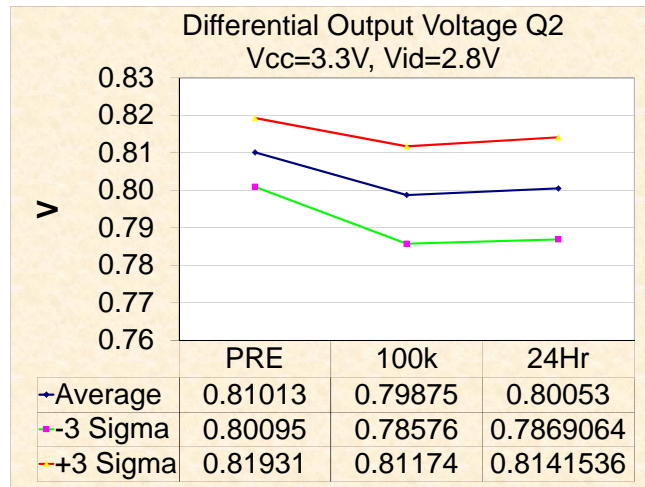
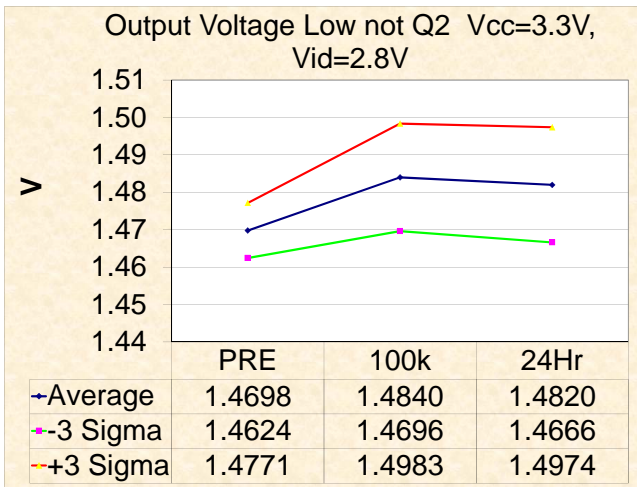
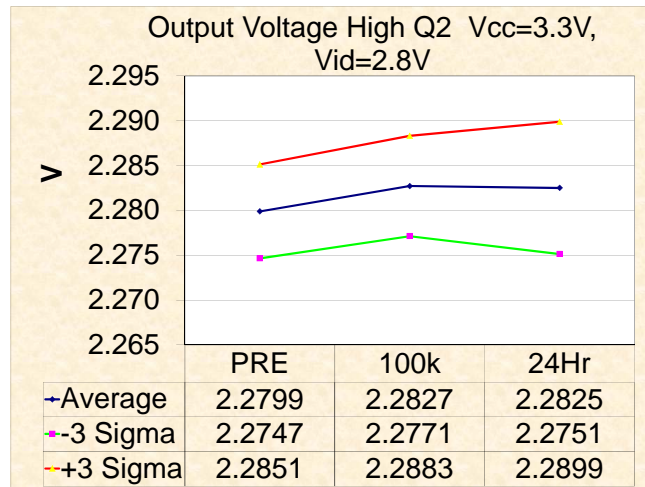
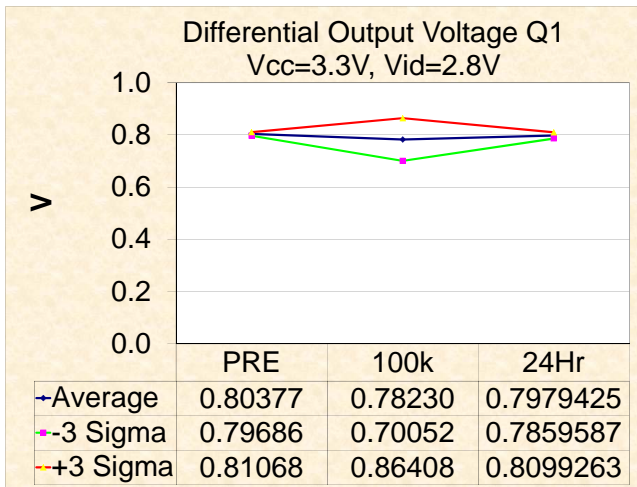
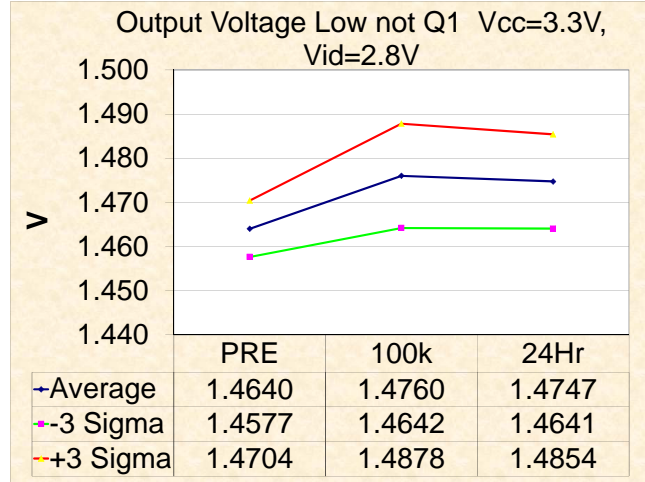
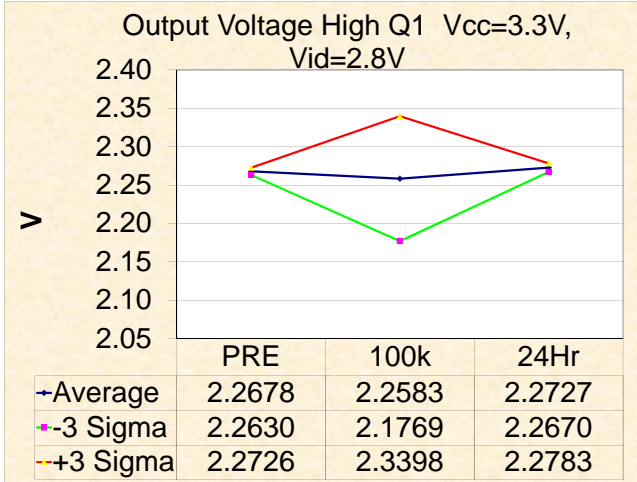
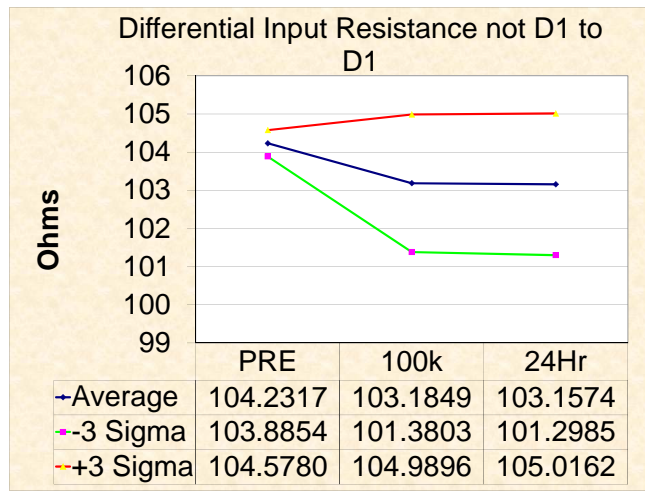
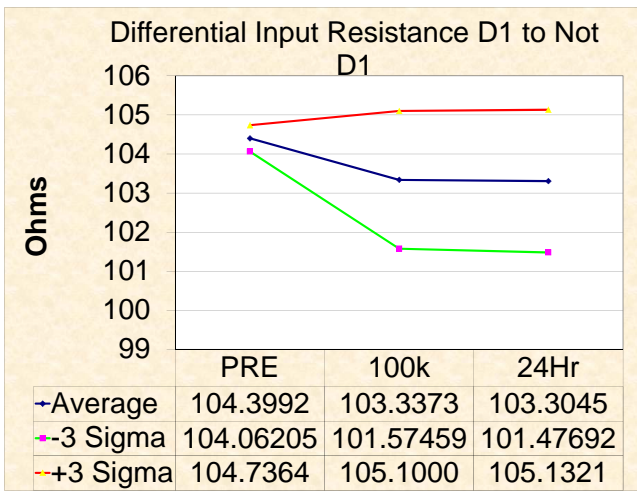
Wafer	SN	Output Voltage Low Q2 Vcc=3.6V, Vid=0.2V			Output Voltage High not Q2 Vcc=3.6V, Vid=0.2V			Differential Output Voltage Q2 Vcc=3.6V, Vid=0.2V						
		PRE	100k	24Hr	PRE	100k	24Hr	PRE	100k	24Hr				
CTRL	29	1.74193	1.73415	1.73325	2.54745	2.54684	2.54312	-0.80552	-0.81269	-0.80987				
	30	1.7396	1.7349	1.7331	2.5463	2.5486	2.5461	-0.80674	-0.81371	-0.81307				
5	13	1.7306	1.7430	1.7390	2.5428	2.5491	2.5450	-0.81223	-0.80609	-0.80597				
	14	1.7338	1.7464	1.7427	2.5451	2.5532	2.5488	-0.81133	-0.8068	-0.80609				
	15	1.7306	1.7395	1.7368	2.5402	2.5527	2.5491	-0.80961	-0.81326	-0.81230				
	16	1.7291	1.7502	1.7476	2.5455	2.5510	2.5481	-0.81639	-0.80078	-0.80053				
	Min	1.7291	1.7395	1.7368	2.5402	2.5491	2.5450	-0.8164	-0.8133	-0.81230				
	Max	1.7338	1.7502	1.7476	2.5455	2.5532	2.5491	-0.8096	-0.8008	-0.80053				
	Mean	1.7310	1.7448	1.7415	2.5434	2.5515	2.5478	-0.8124	-0.8067	-0.80622				
	Std. Dev	0.0020	0.0046	0.0047	0.0025	0.0019	0.0019	0.0029	0.0051	0.00481				
	Mean - 3 Sigma	1.7251	1.7309	1.7273	2.5360	2.5459	2.5421	-0.8210	-0.8221	-0.82065				
	Mean + 3 Sigma	1.7369	1.7586	1.7557	2.5507	2.5571	2.5534	-0.8038	-0.7914	-0.79179				
Limit:		>1.64 <2.09 V			Limit:			>2.37 <2.87 V			Limit:		>-1.04, <-0.61 V	

Wafer	SN	Reference Voltage IREF=500uA			Reference Voltage IREF=500uA			Output Resistance (Vref)						
		PRE	100k	24Hr	PRE	100k	24Hr	PRE	100k	24Hr				
CTRL	29	2.22671	2.22481	2.22462	1.99119	1.98752	1.98733	235.52045	237.28795	237.28795				
	30	2.2276	2.2272	2.2270	1.9917	1.9867	1.9863	235.87259	240.52136	240.61740				
5	13	2.2253	2.2284	2.2287	1.9878	1.9912	1.9919	237.51329	237.19191	236.74371				
	14	2.2254	2.2268	2.2269	1.9872	1.9897	1.9896	238.2496	237.09586	237.28795				
	15	2.2267	2.2255	2.2258	1.9886	1.9881	1.9884	238.08954	237.31996	237.44801				
	16	2.2255	2.2288	2.2288	1.9866	1.9902	1.9904	238.92191	238.60052	238.37642				
	Min	2.2253	2.2255	2.2258	1.9866	1.9881	1.9884	237.5133	237.0959	236.74371				
	Max	2.2267	2.2288	2.2288	1.9886	1.9912	1.9919	238.9219	238.6005	238.37642				
	Mean	2.2257	2.2273	2.2275	1.9875	1.9898	1.9901	238.1936	237.5521	237.46402				
	Std. Dev	0.0007	0.0015	0.0014	0.0009	0.0013	0.0015	0.5794	0.7050	0.67887				
	Mean - 3 Sigma	2.2237	2.2227	2.2232	1.9849	1.9860	1.9856	236.4553	235.4371	235.42742				
	Mean + 3 Sigma	2.2278	2.2320	2.2318	1.9902	1.9936	1.9945	239.9319	239.6670	239.50062				
Limit:		>2.14 <2.29 V			Limit:			>1.9 <2.05 V			Limit:		>170 <280 Ohms	

Wafer	SN	Minimum Toggle Rate 5GHz		
		PRE	100k	24Hr
CTRL	29	5	5	5
	30	5	5	5
5	13	5	5	5
	14	5	5	5
	15	5	5	5
	16	5	5	5
	Min	5	5	5
	Max	5	5	5
	Mean	5	5	5
	Std. Dev	0	0	0
	Mean - 3 Sigma	5	5	5
	Mean + 3 Sigma	5	5	5
Limit:		>4.98 <5.02 GHz		

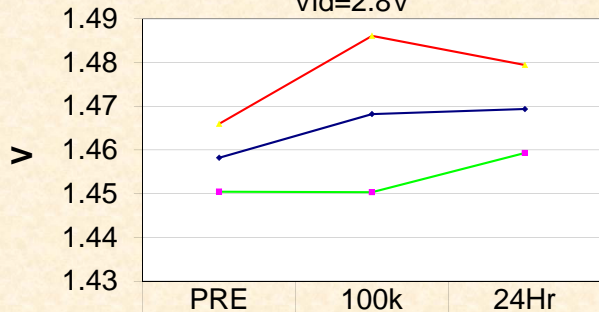






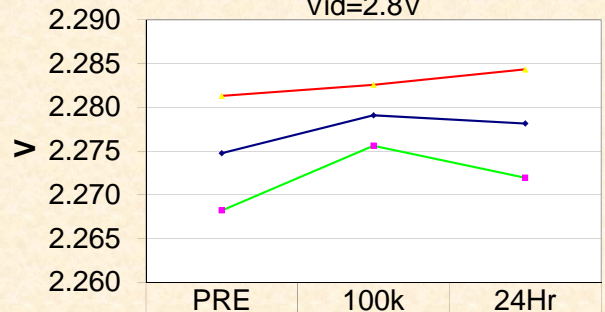


Output Voltage Low Q1 Vcc=3.3V, Vid=2.8V



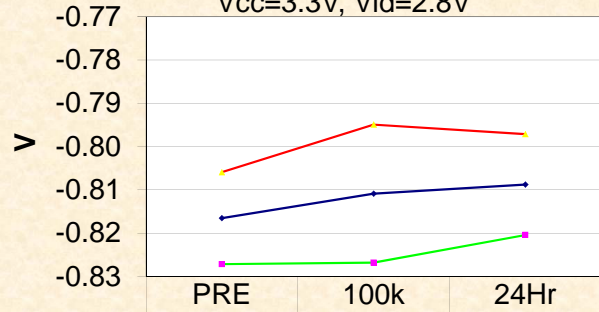
	PRE	100k	24Hr
Average	1.4582	1.4682	1.4694
-3 Sigma	1.4505	1.4503	1.4593
+3 Sigma	1.4660	1.4861	1.4794

Output Voltage High not Q1 Vcc=3.3V, Vid=2.8V



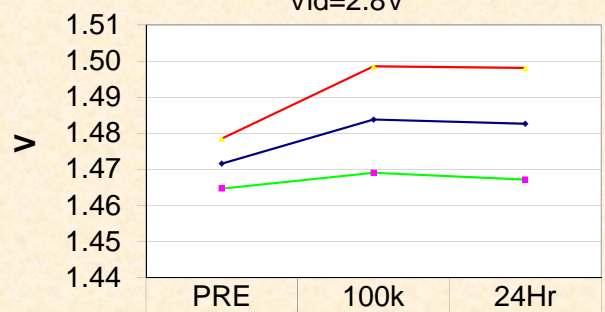
	PRE	100k	24Hr
Average	2.2748	2.2791	2.2782
-3 Sigma	2.2682	2.2756	2.2720
+3 Sigma	2.2813	2.2826	2.2843

Differential Output Voltage Q1 Vcc=3.3V, Vid=2.8V



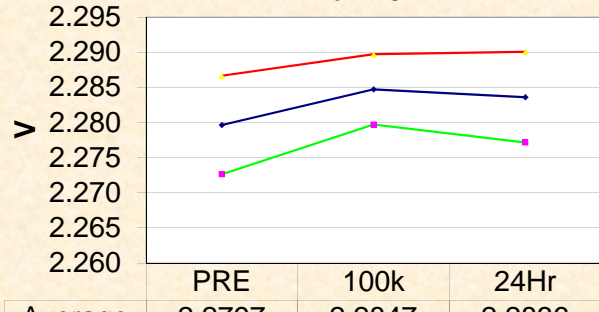
	PRE	100k	24Hr
Average	-0.81654	-0.81088	-0.808783
-3 Sigma	-0.82717	-0.82683	-0.82043
+3 Sigma	-0.80591	-0.79493	-0.797135

Output Voltage Low Q2 Vcc=3.3V, Vid=2.8V



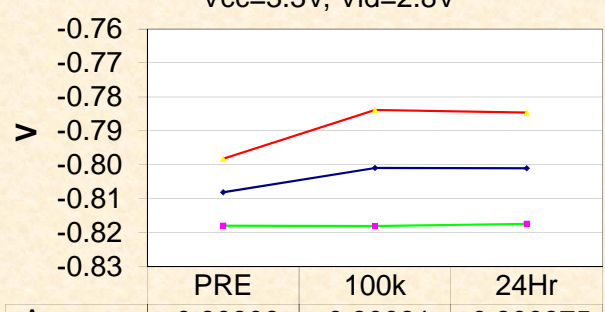
	PRE	100k	24Hr
Average	1.4716	1.4838	1.4826
-3 Sigma	1.4647	1.4691	1.4672
+3 Sigma	1.4785	1.4985	1.4981

Output Voltage High not Q2 Vcc=3.3V, Vid=2.8V



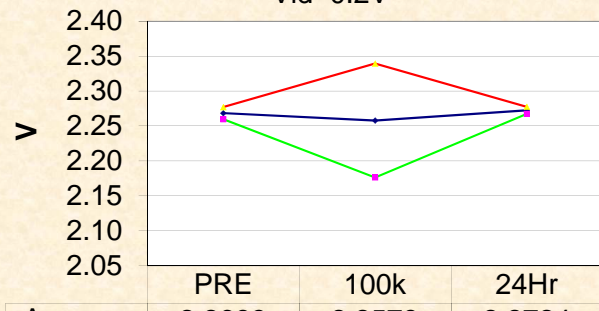
	PRE	100k	24Hr
Average	2.2797	2.2847	2.2836
-3 Sigma	2.2726	2.2797	2.2772
+3 Sigma	2.2867	2.2897	2.2901

Differential Output Voltage Q2 Vcc=3.3V, Vid=2.8V



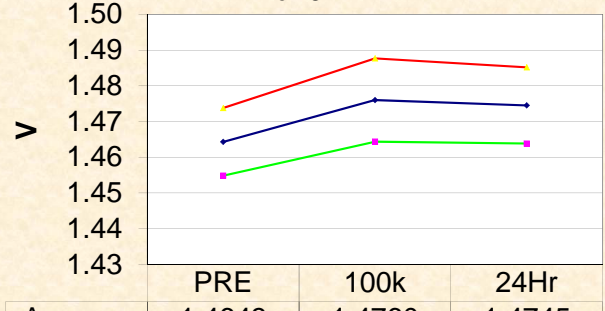
	PRE	100k	24Hr
Average	-0.80806	-0.80091	-0.800975
-3 Sigma	-0.81792	-0.81801	-0.817364
+3 Sigma	-0.79820	-0.78382	-0.784586

Output Voltage High Q1 Vcc=3.3V, Vid=0.2V



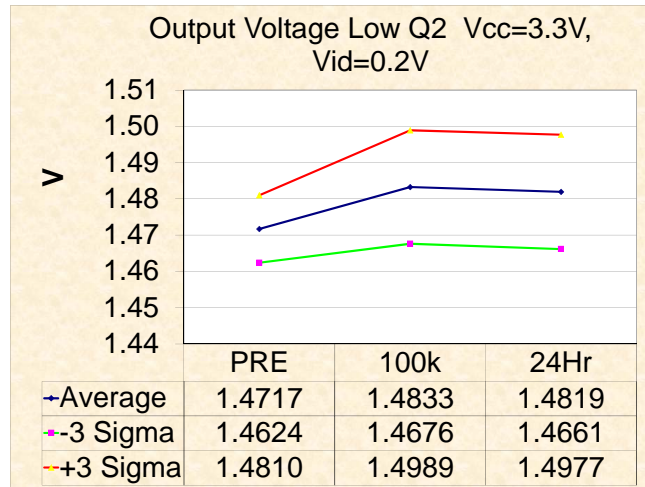
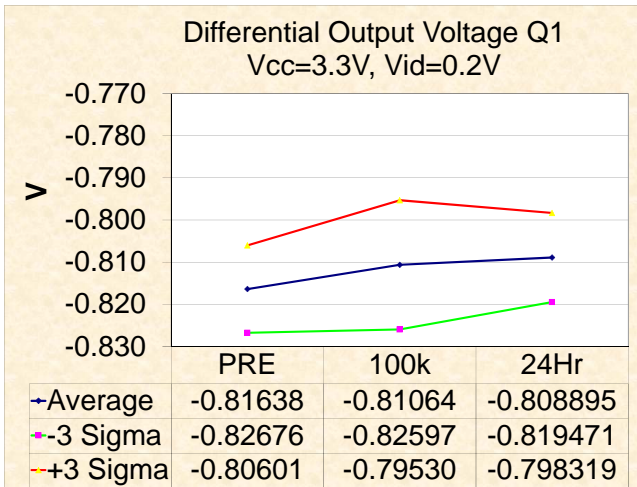
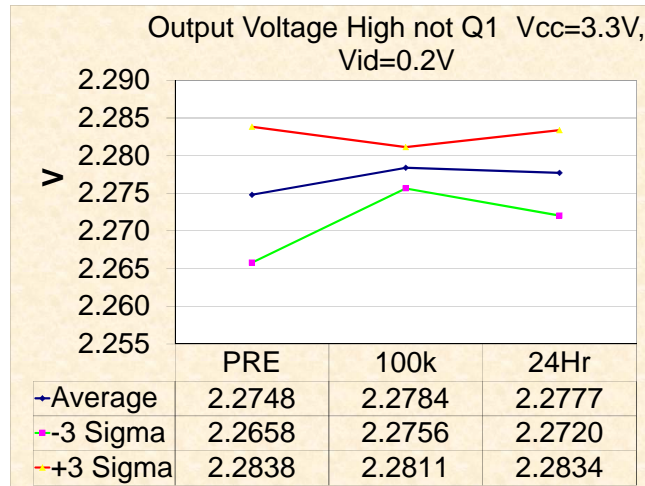
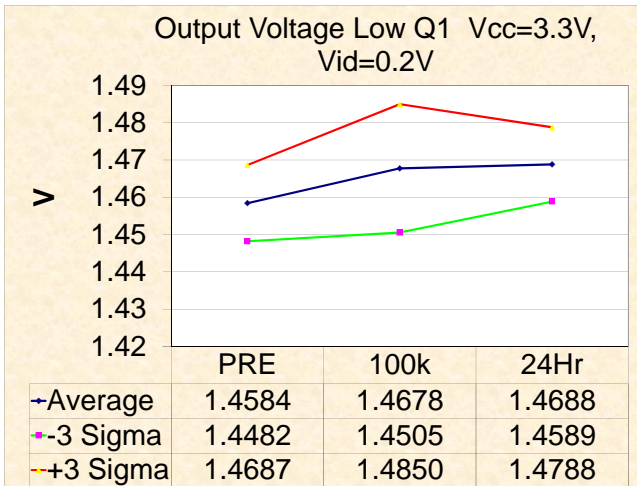
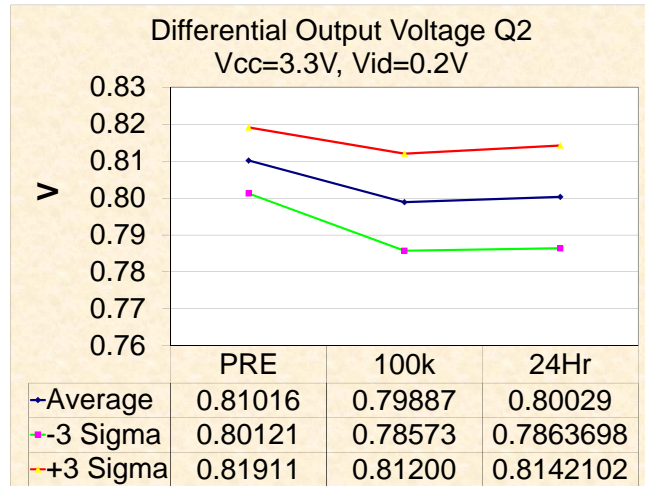
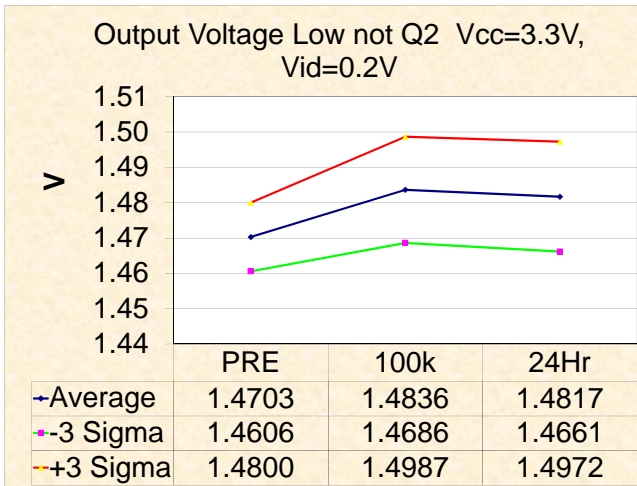
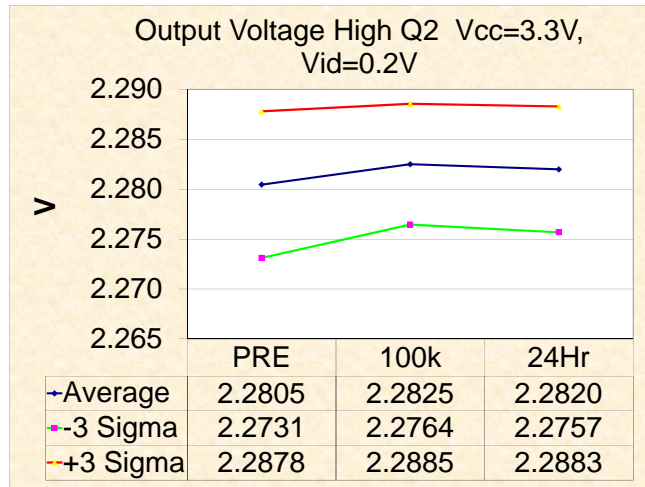
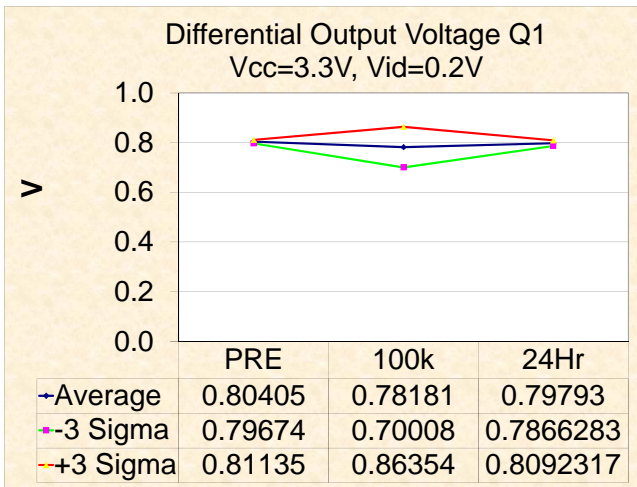
	PRE	100k	24Hr
Average	2.2683	2.2578	2.2724
-3 Sigma	2.2596	2.1763	2.2674
+3 Sigma	2.2770	2.3393	2.2774

Output Voltage Low not Q1 Vcc=3.3V, Vid=0.2V

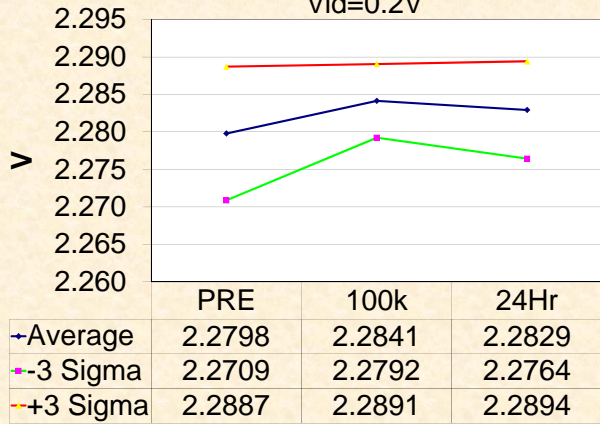


	PRE	100k	24Hr
Average	1.4643	1.4760	1.4745
-3 Sigma	1.4548	1.4643	1.4638
+3 Sigma	1.4738	1.4877	1.4852

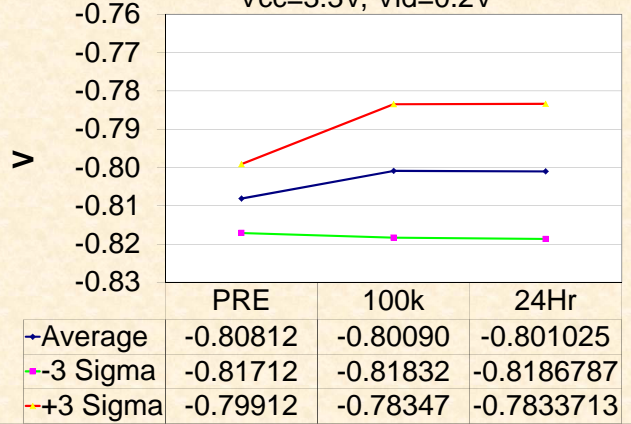




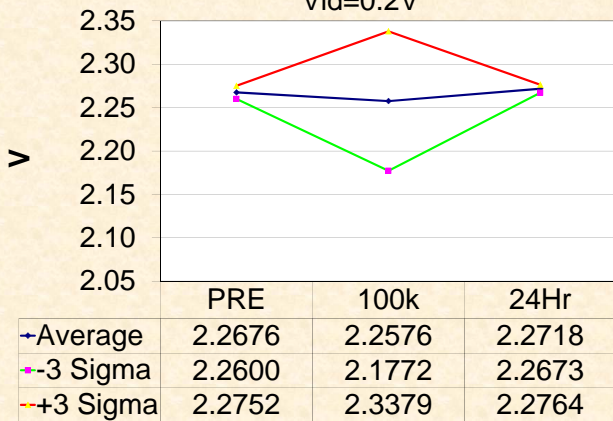
Output Voltage High not Q2 Vcc=3.3V, Vid=0.2V



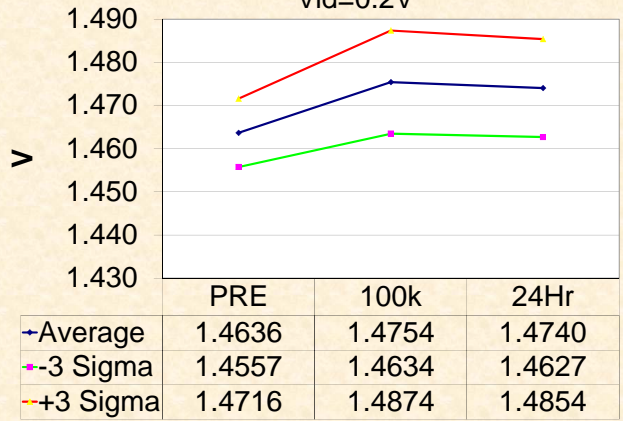
Differential Output Voltage Q2 Vcc=3.3V, Vid=0.2V



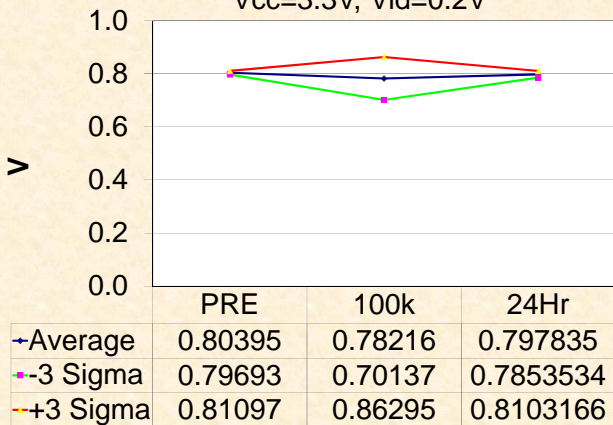
Output Voltage High Q1 Vcc=3.3V, Vid=0.2V



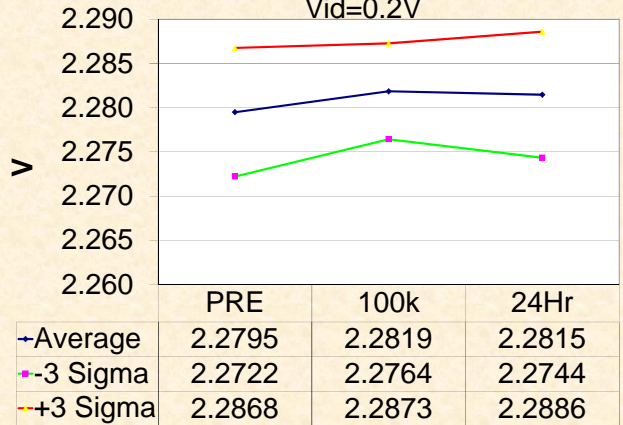
Output Voltage Low not Q1 Vcc=3.3V, Vid=0.2V



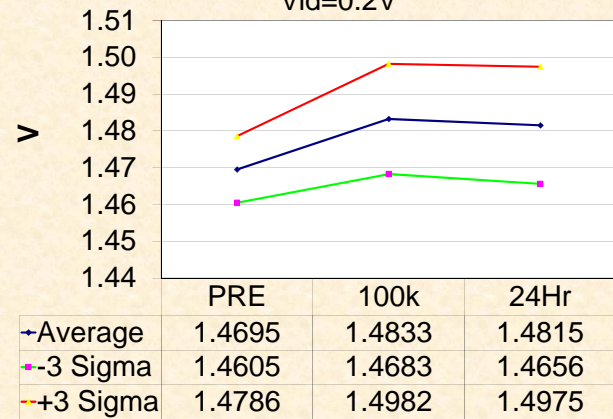
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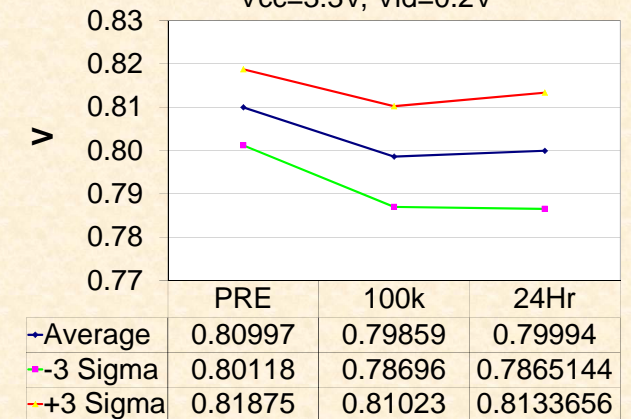
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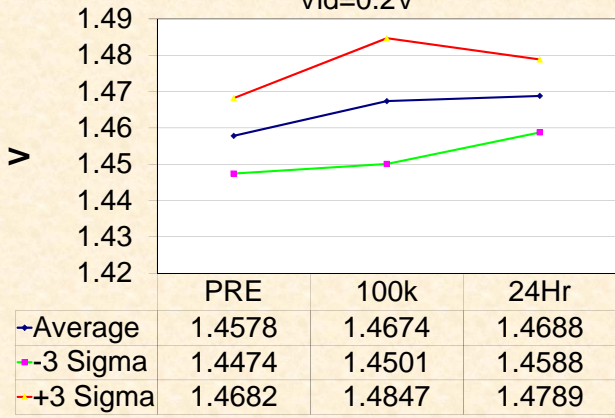
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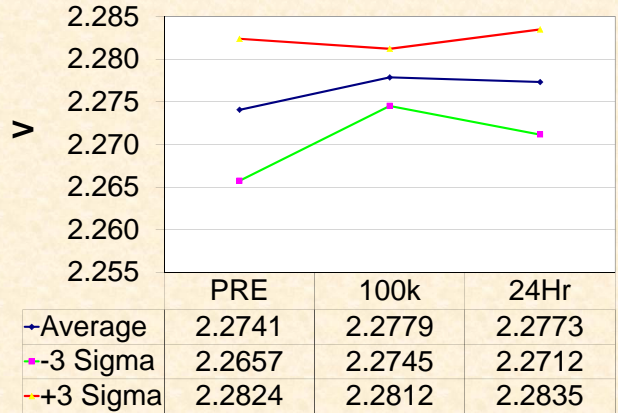
Differential Output Voltage Q2 Vcc=3.3V, Vid=0.2V



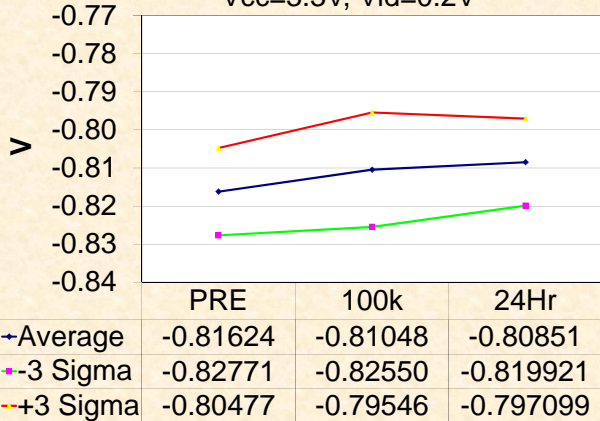
Output Voltage Low Q1 Vcc=3.3V, Vid=0.2V



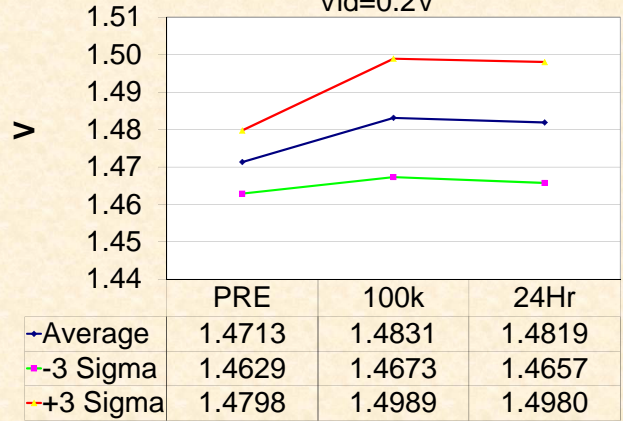
Output Voltage High not Q1 Vcc=3.3V, Vid=0.2V



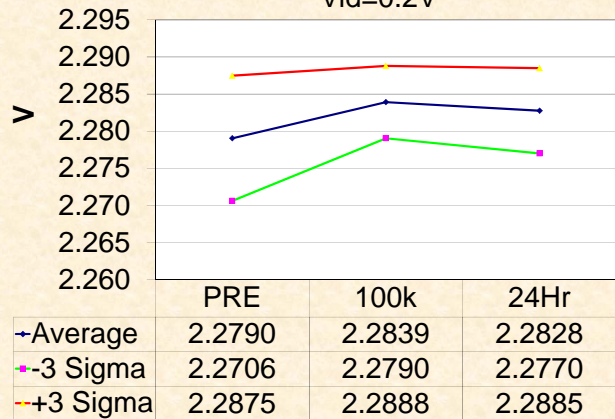
Differential Output Voltage Q1 Vcc=3.3V, Vid=0.2V



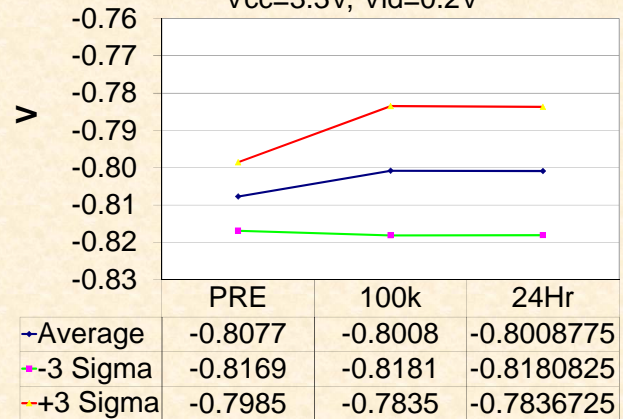
Output Voltage Low Q2 Vcc=3.3V, Vid=0.2V



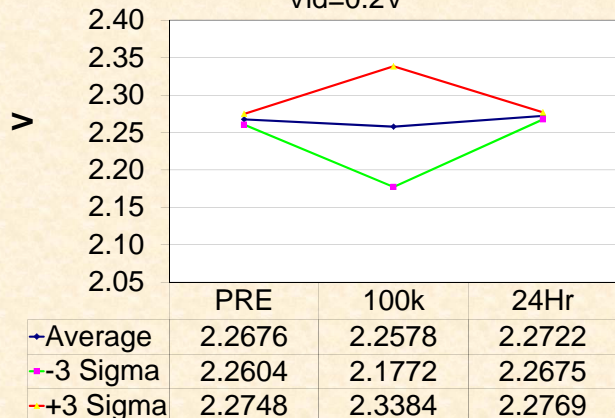
Output Voltage High not Q2 Vcc=3.3V, Vid=0.2V



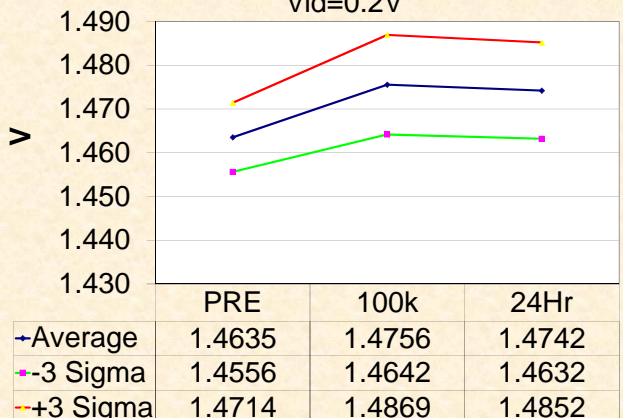
Differential Output Voltage Q2 Vcc=3.3V, Vid=0.2V



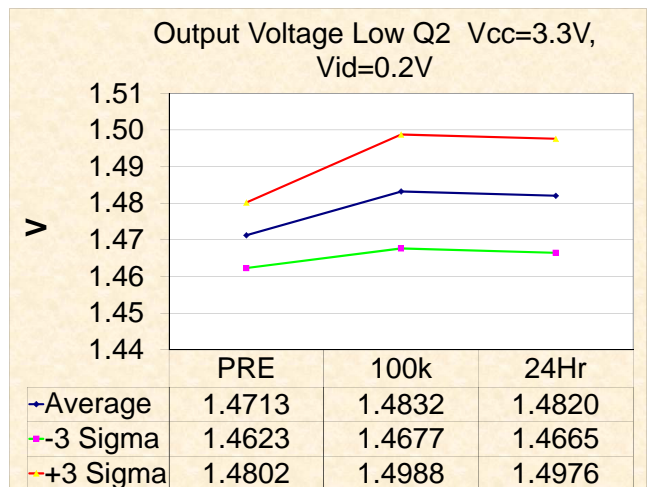
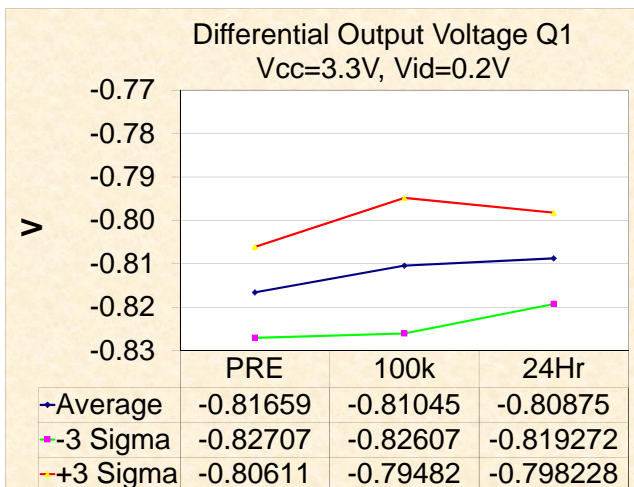
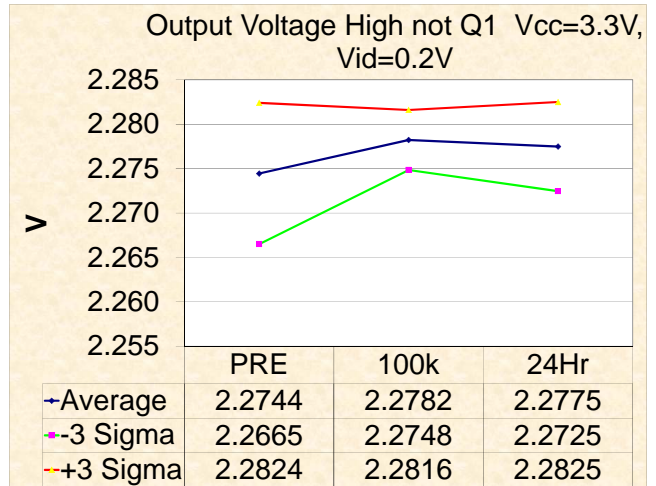
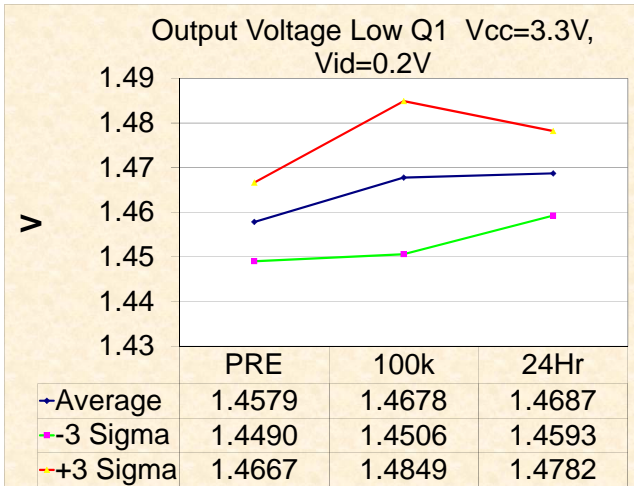
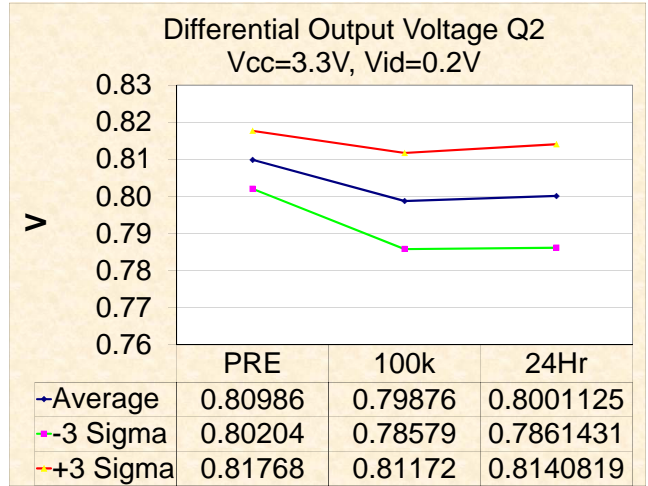
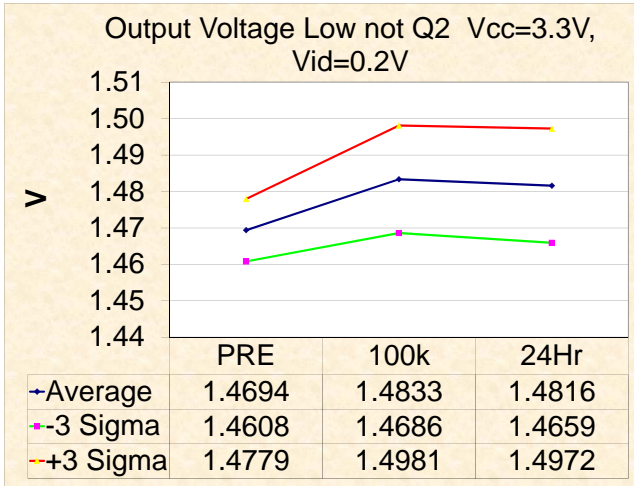
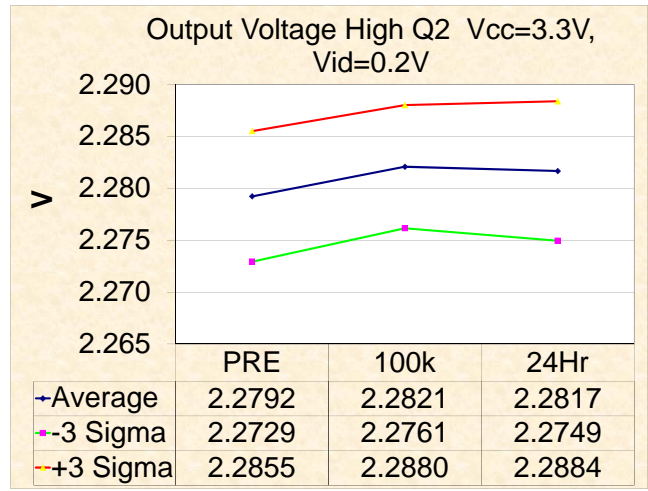
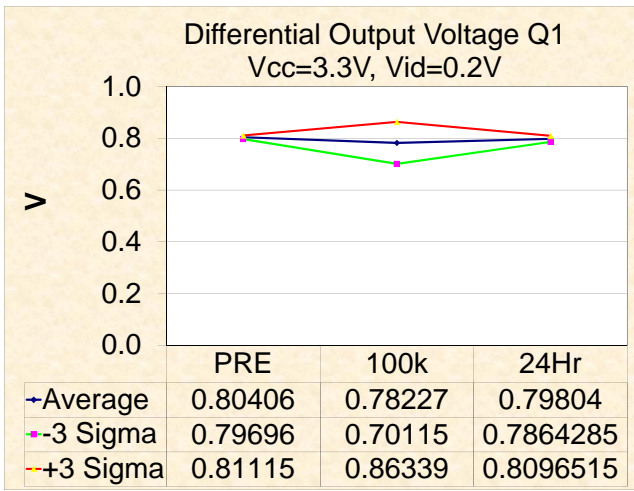
Output Voltage High Q1 Vcc=3.3V, Vid=0.2V



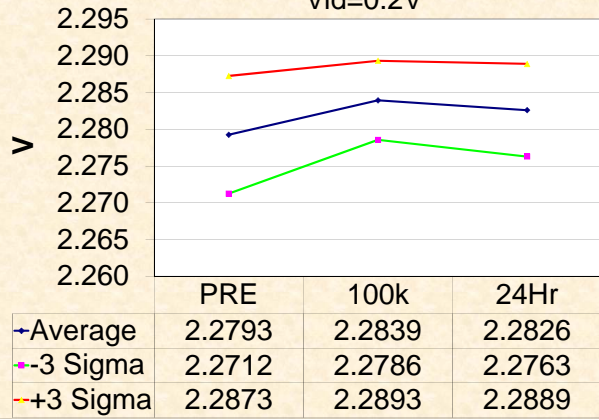
Output Voltage Low not Q1 Vcc=3.3V, Vid=0.2V



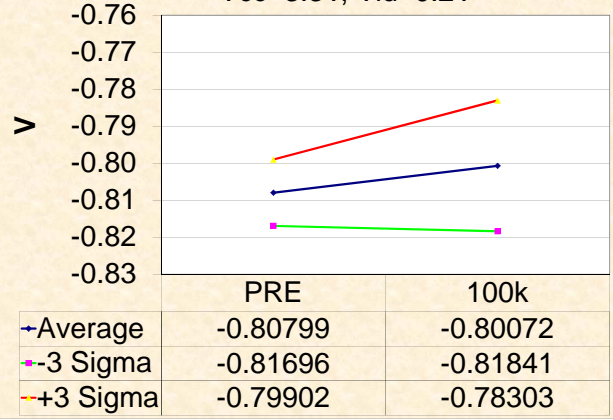




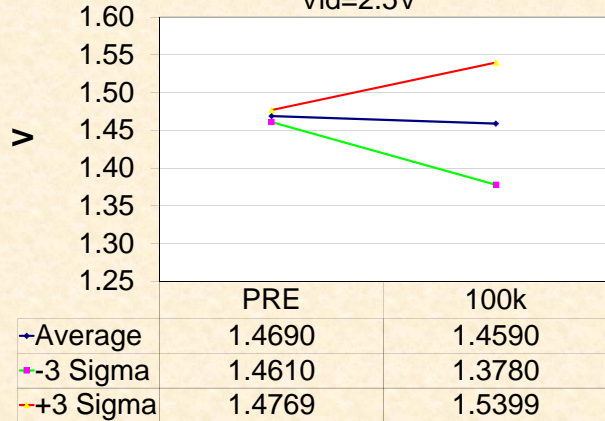
Output Voltage High not Q2 Vcc=3.3V, Vid=0.2V



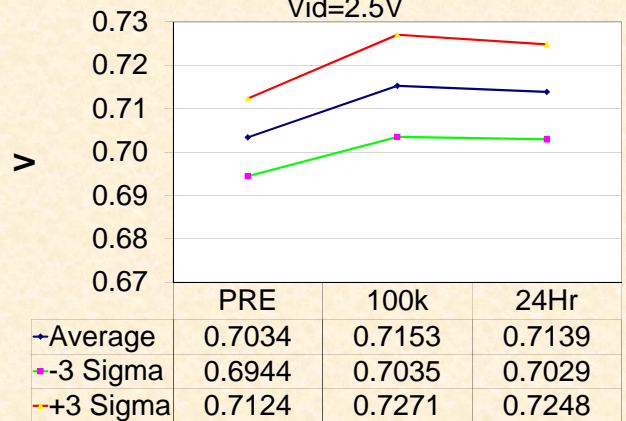
Differential Output Voltage Q2 Vcc=3.3V, Vid=0.2V



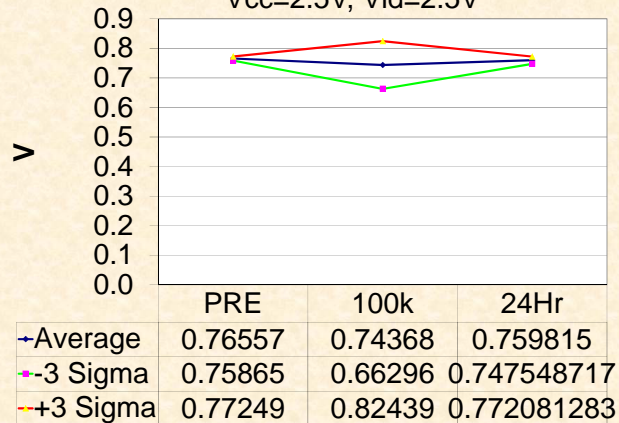
Output Voltage High Q1 Vcc=2.5V, Vid=2.5V



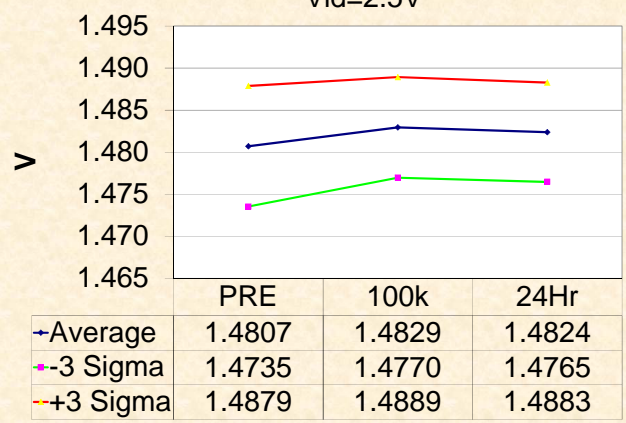
Output Voltage Low not Q1 Vcc=2.5V, Vid=2.5V



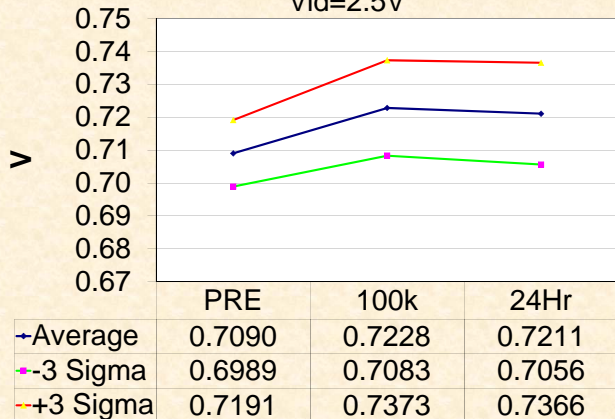
Differential Output Voltage Q1 Vcc=2.5V, Vid=2.5V



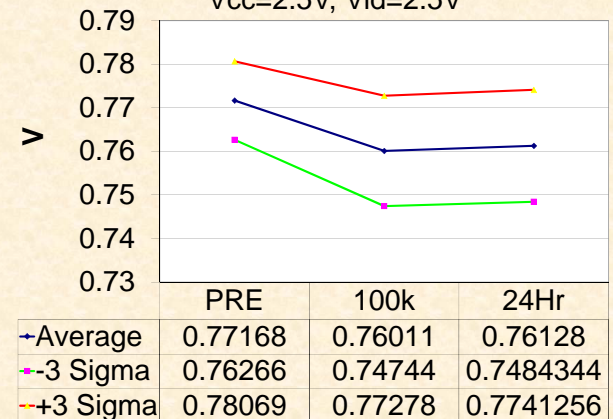
Output Voltage High Q2 Vcc=2.5V, Vid=2.5V



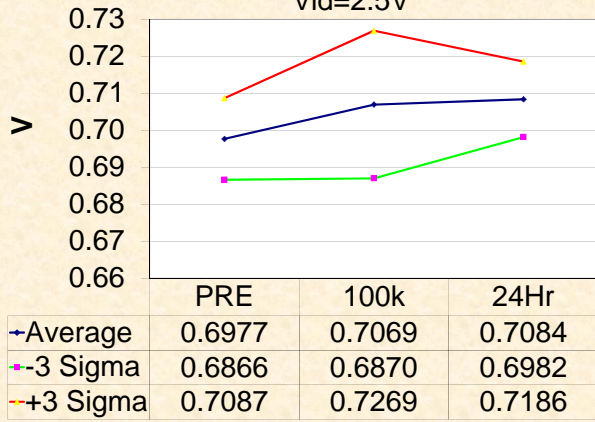
Output Voltage Low not Q2 Vcc=2.5V, Vid=2.5V



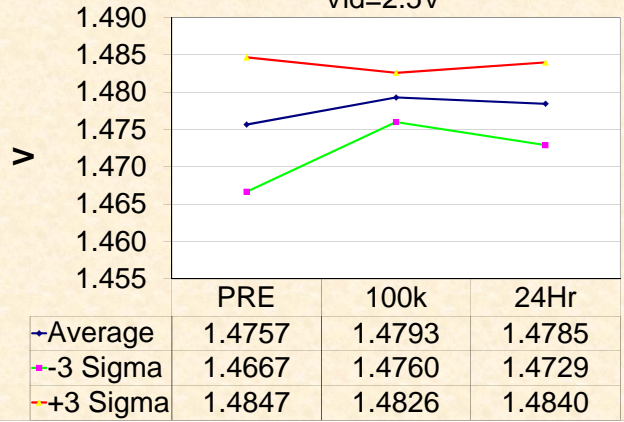
Differential Output Voltage Q2 Vcc=2.5V, Vid=2.5V



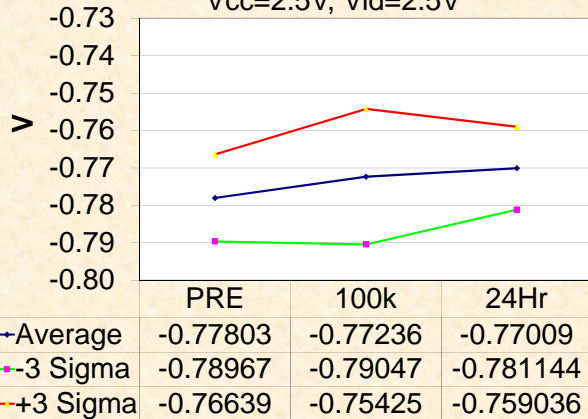
Output Voltage Low Q1 Vcc=2.5V,  
Vid=2.5V



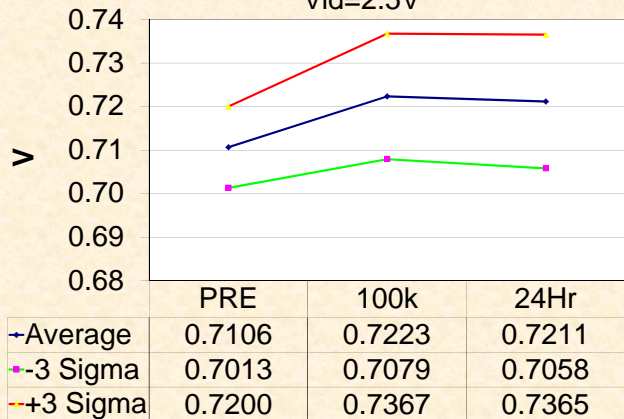
Output Voltage High not Q1 Vcc=2.5V,  
Vid=2.5V



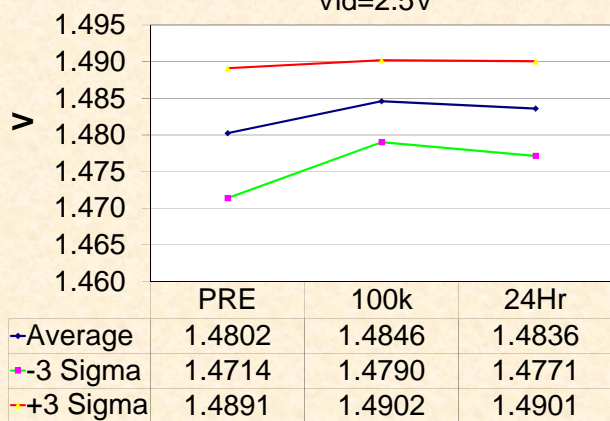
Differential Output Voltage Q1  
Vcc=2.5V, Vid=2.5V



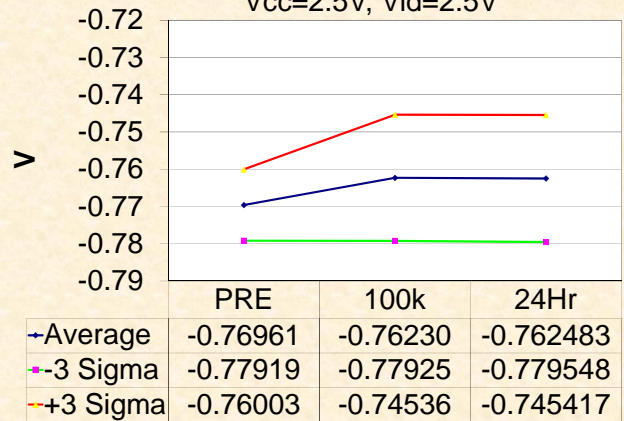
Output Voltage Low Q2 Vcc=2.5V,  
Vid=2.5V



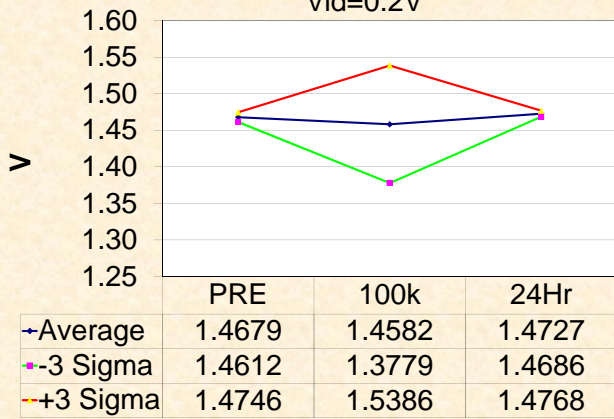
Output Voltage High not Q2 Vcc=2.5V,  
Vid=2.5V



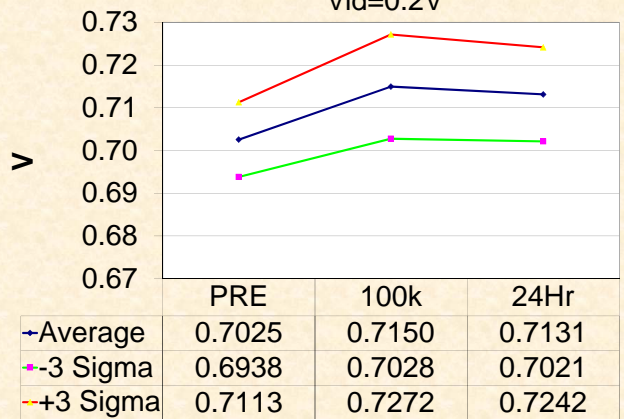
Differential Output Voltage Q2  
Vcc=2.5V, Vid=2.5V



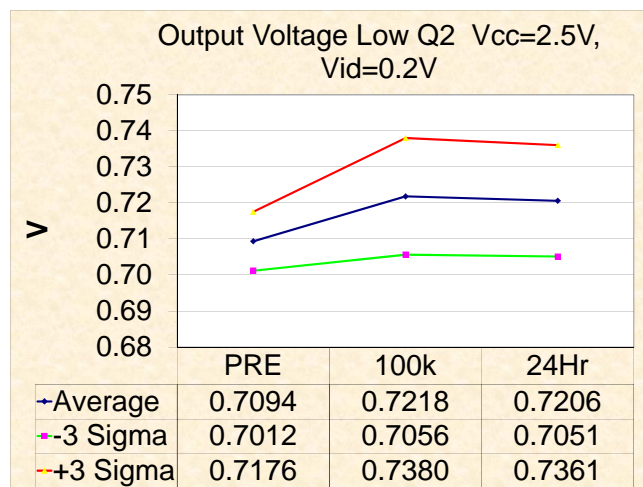
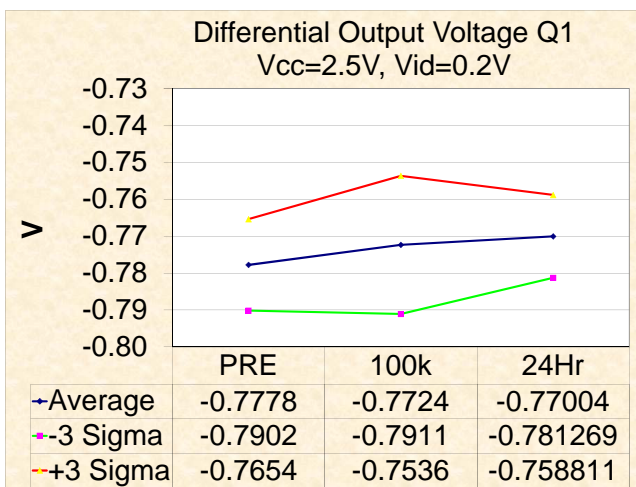
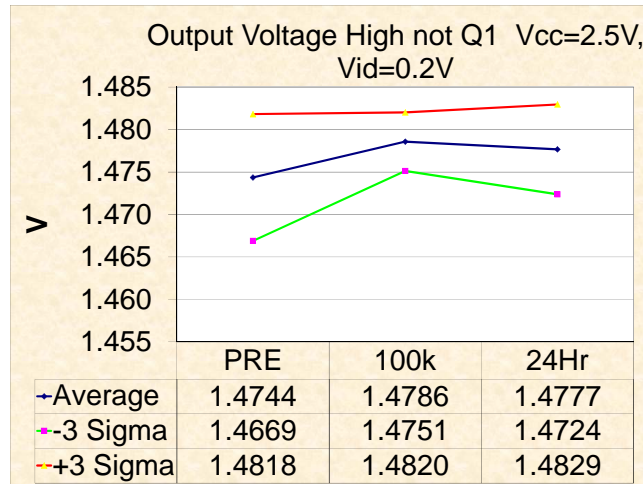
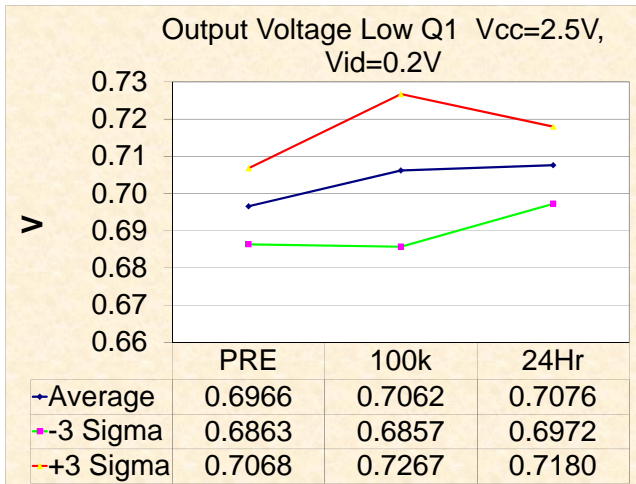
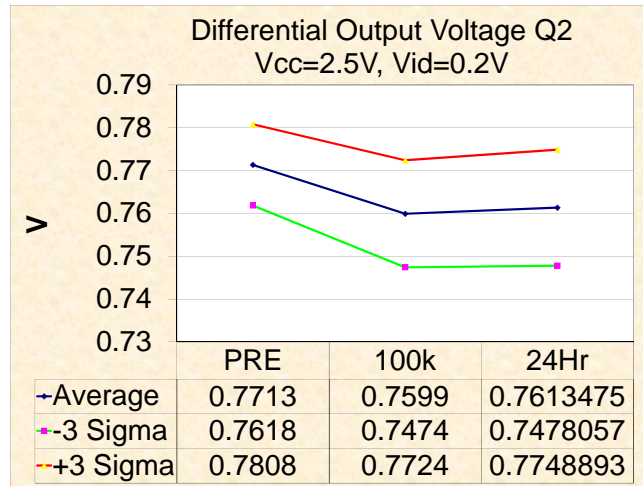
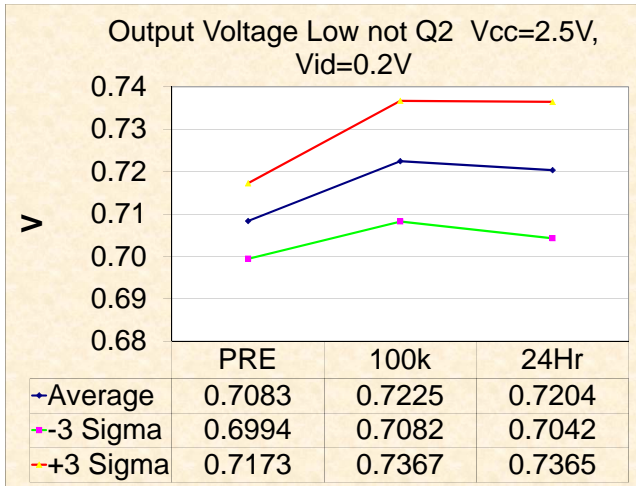
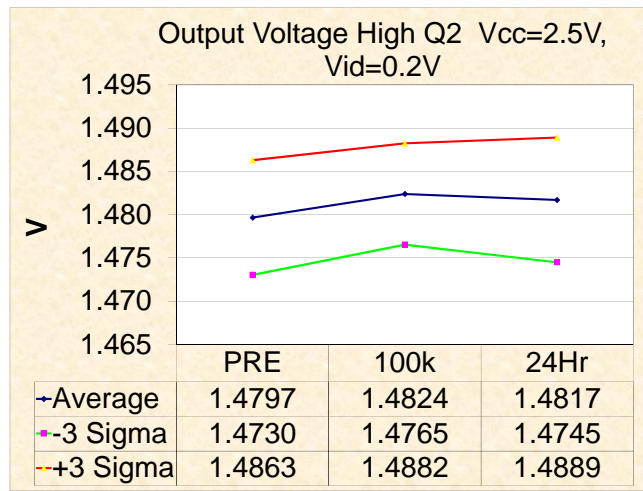
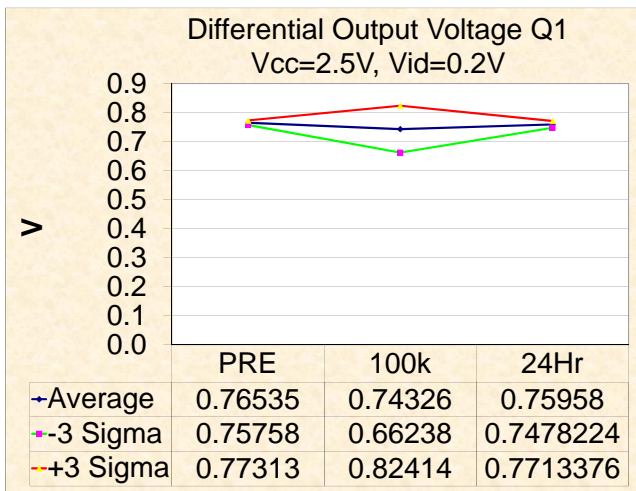
Output Voltage High Q1 Vcc=2.5V,  
Vid=0.2V



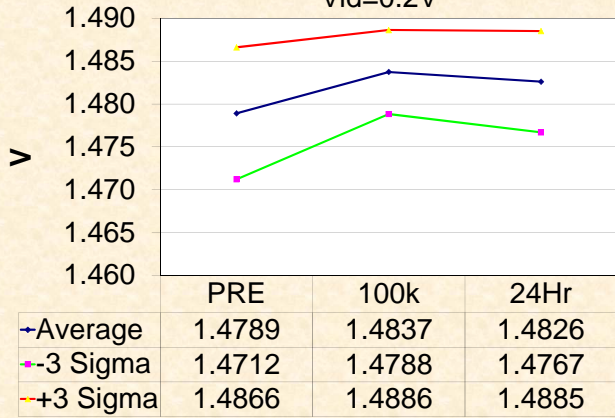
Output Voltage Low not Q1 Vcc=2.5V,  
Vid=0.2V



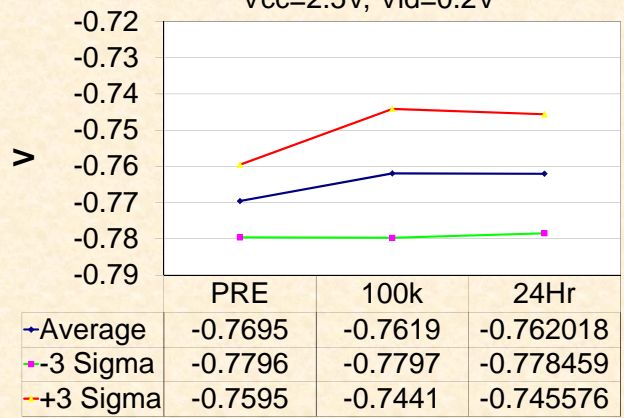




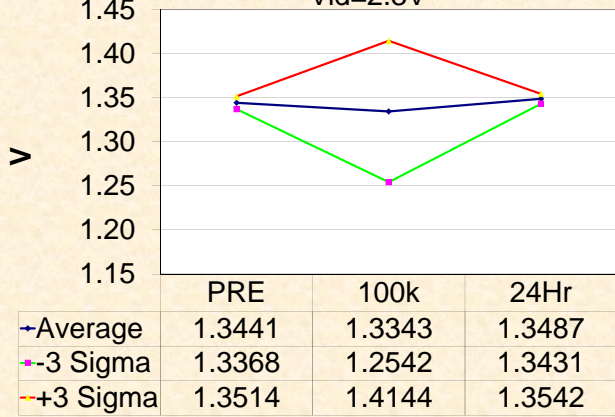
Output Voltage High not Q2 Vcc=2.5V, Vid=0.2V



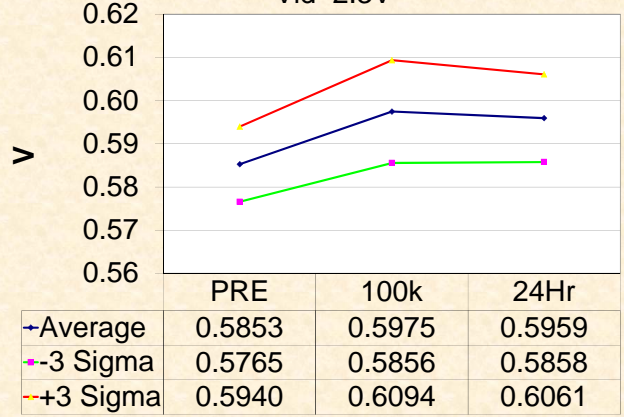
Differential Output Voltage Q2 Vcc=2.5V, Vid=0.2V



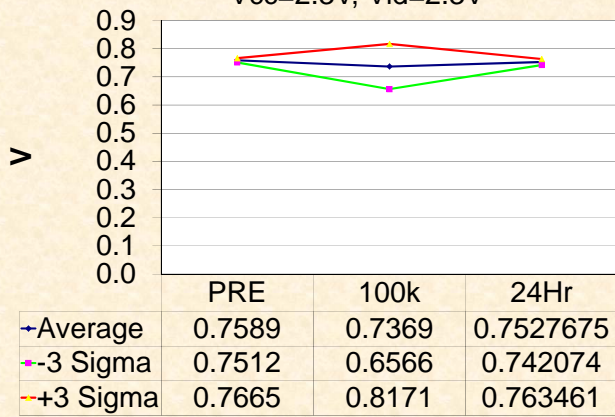
Output Voltage High Q1 Vcc=2.3V, Vid=2.3V



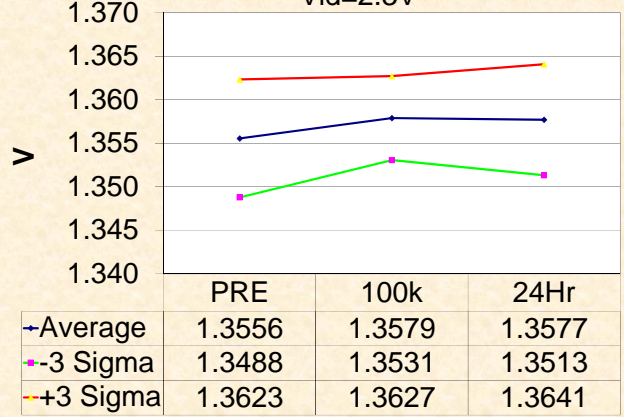
Output Voltage Low not Q1 Vcc=2.3V, Vid=2.3V



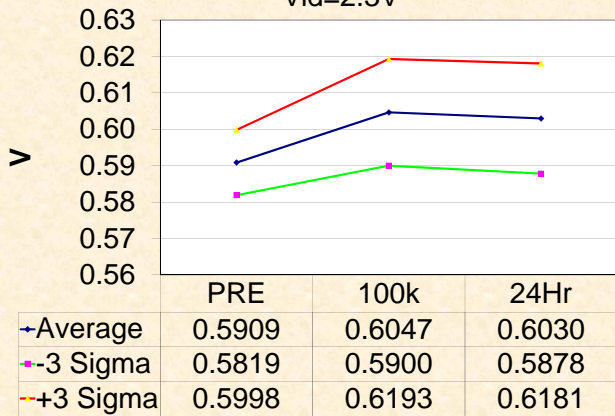
Differential Output Voltage Q1 Vcc=2.3V, Vid=2.3V



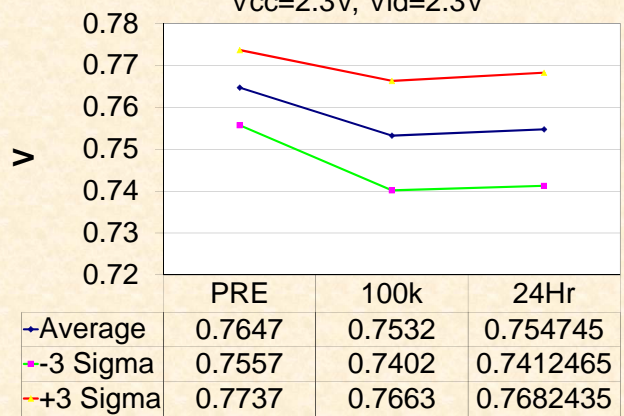
Output Voltage High Q2 Vcc=2.3V, Vid=2.3V



Output Voltage Low not Q2 Vcc=2.3V, Vid=2.3V

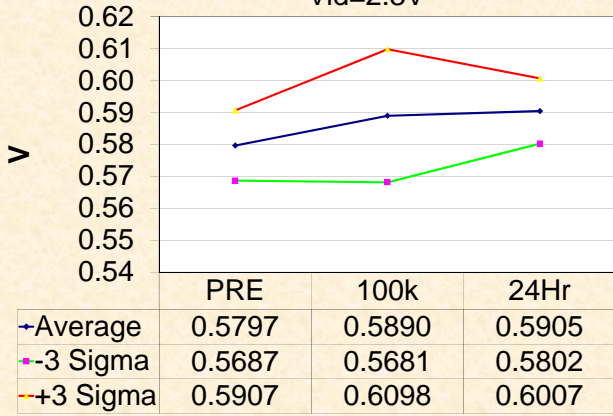


Differential Output Voltage Q2 Vcc=2.3V, Vid=2.3V

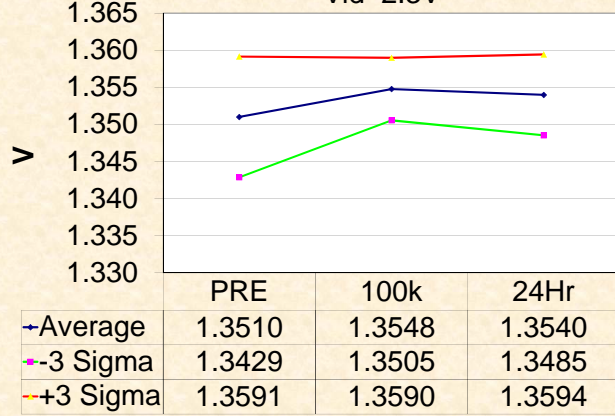




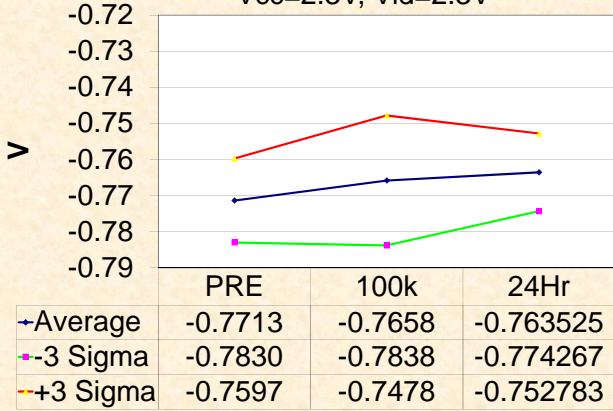
Output Voltage Low Q1 Vcc=2.3V,  
Vid=2.3V



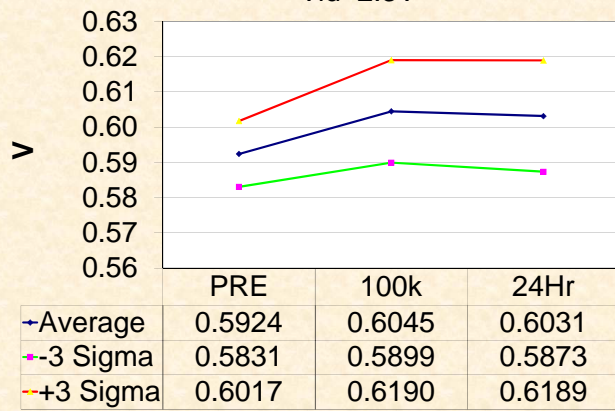
Output Voltage High not Q1 Vcc=2.3V,  
Vid=2.3V



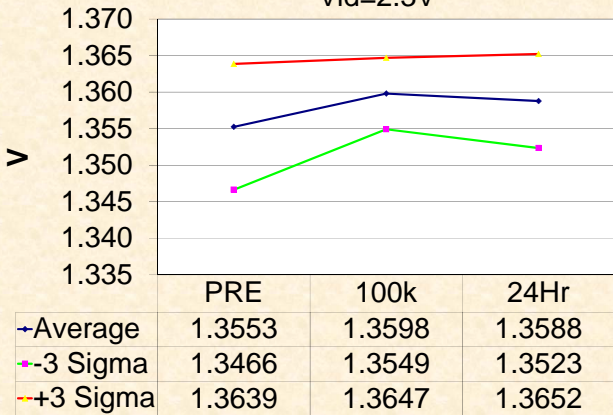
Differential Output Voltage Q1  
Vcc=2.3V, Vid=2.3V



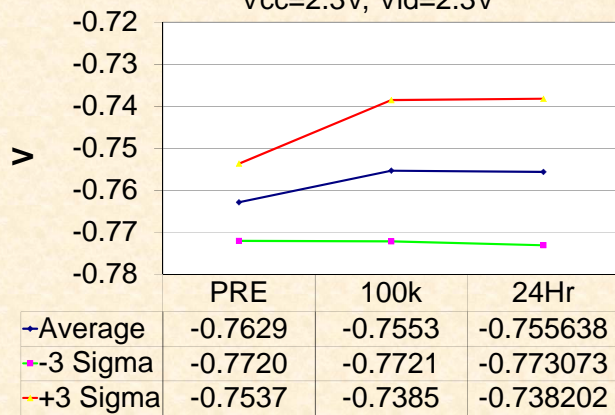
Output Voltage Low Q2 Vcc=2.3V,  
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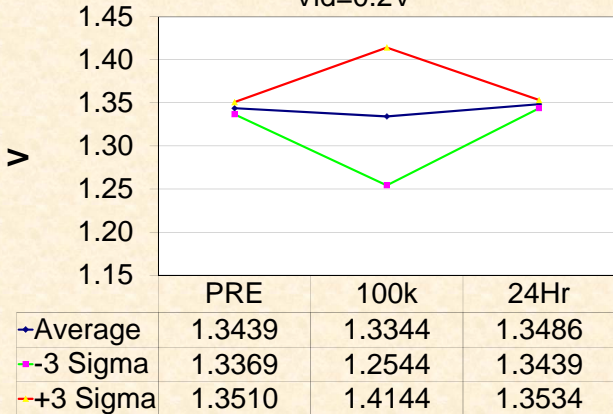
Output Voltage High not Q2 Vcc=2.3V,  
Vid=2.3V



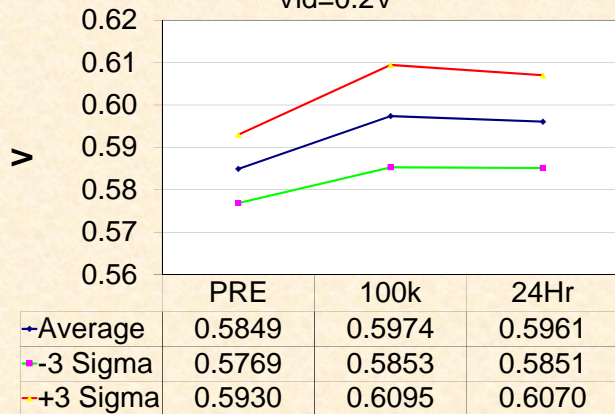
Differential Output Voltage Q2  
Vcc=2.3V, Vid=2.3V

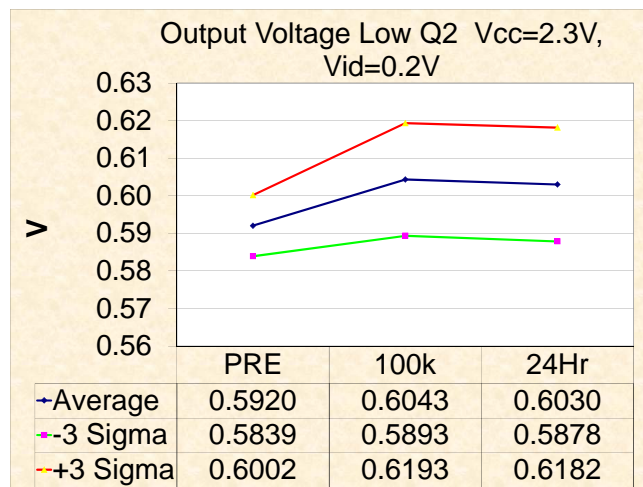
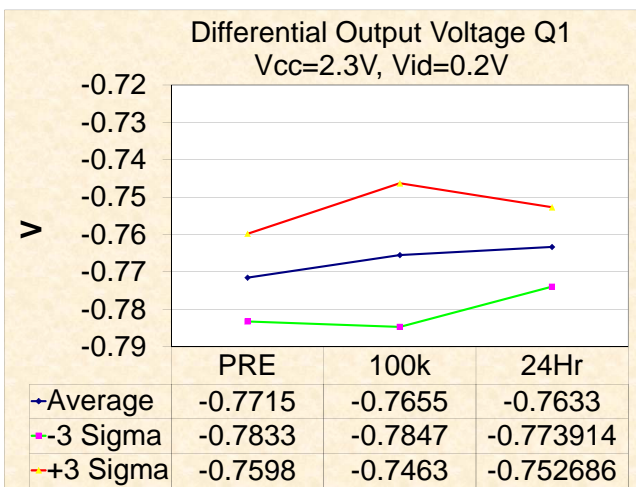
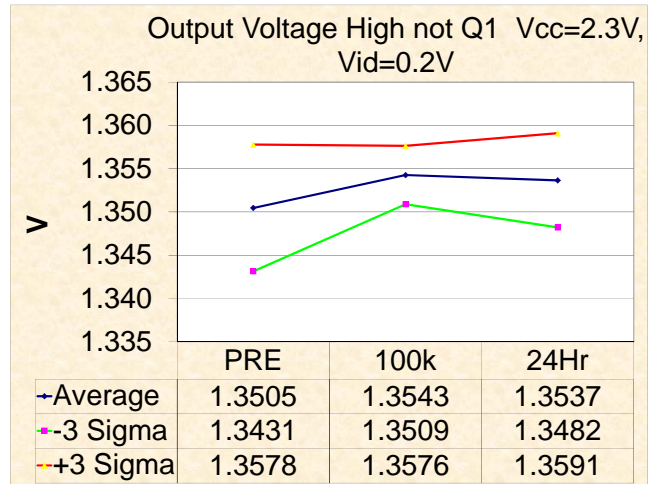
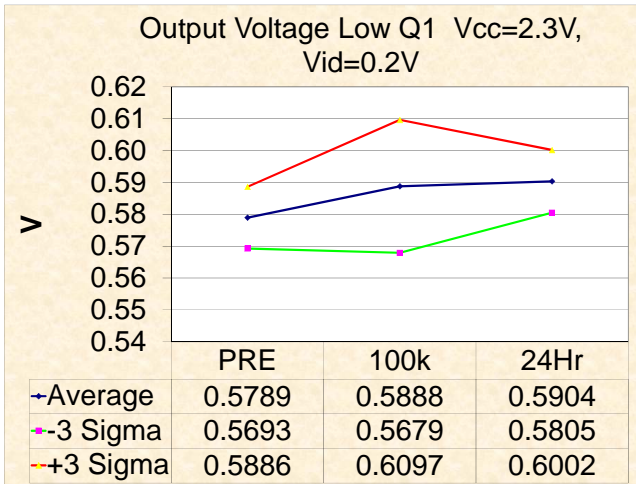
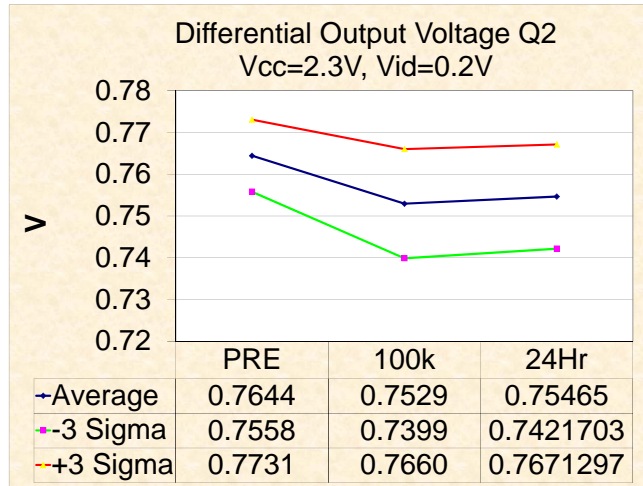
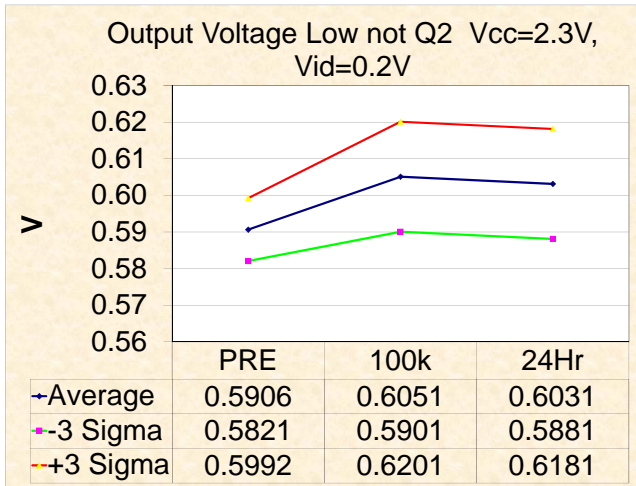
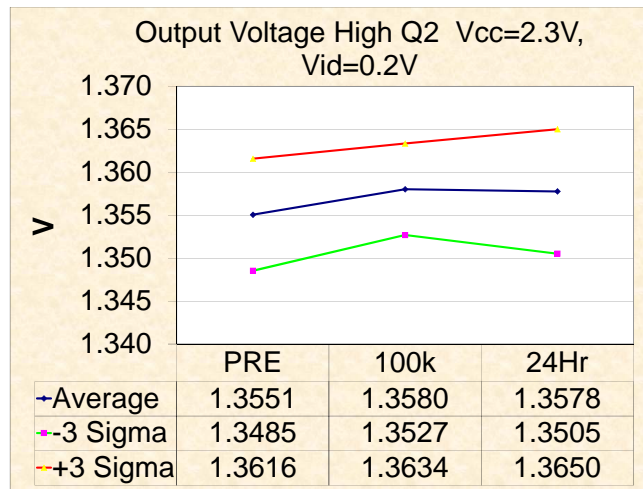
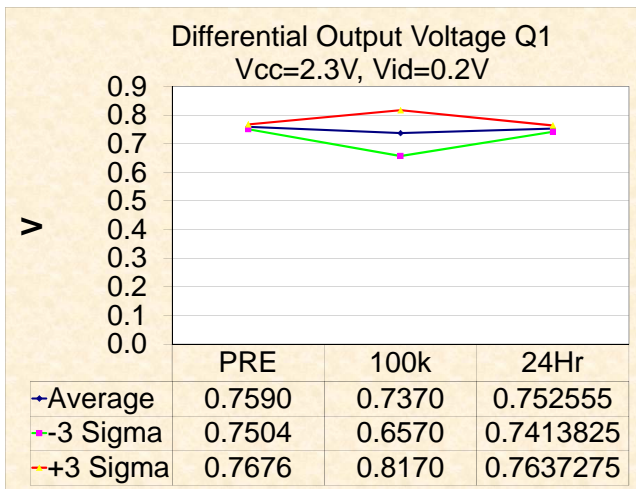


Output Voltage High Q1 Vcc=2.3V,  
Vid=0.2V

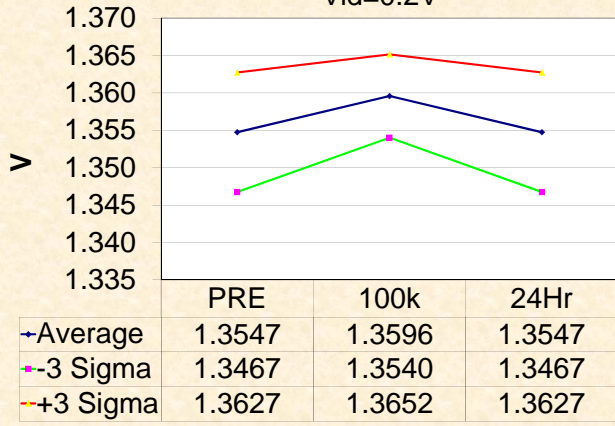


Output Voltage Low not Q1 Vcc=2.3V,  
Vid=0.2V

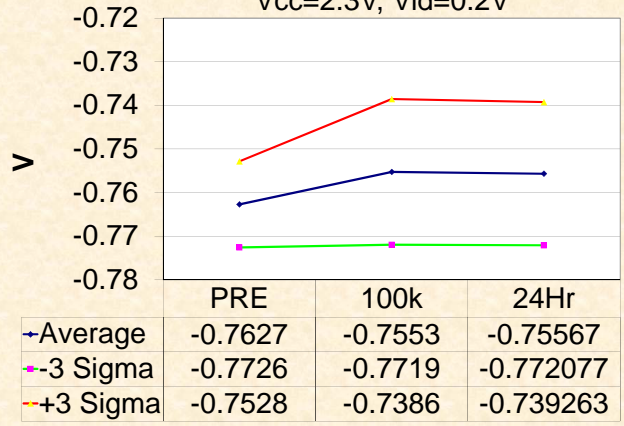




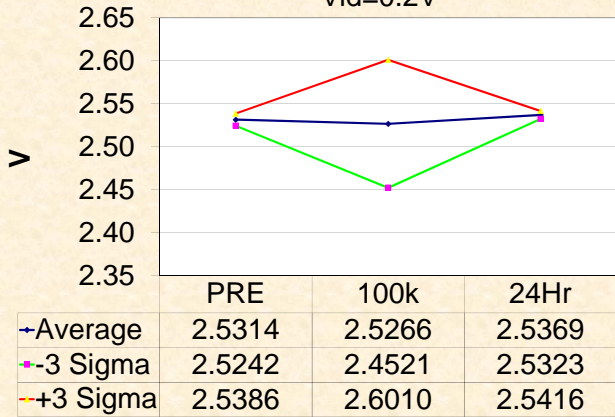
Output Voltage High not Q2 Vcc=2.3V, Vid=0.2V



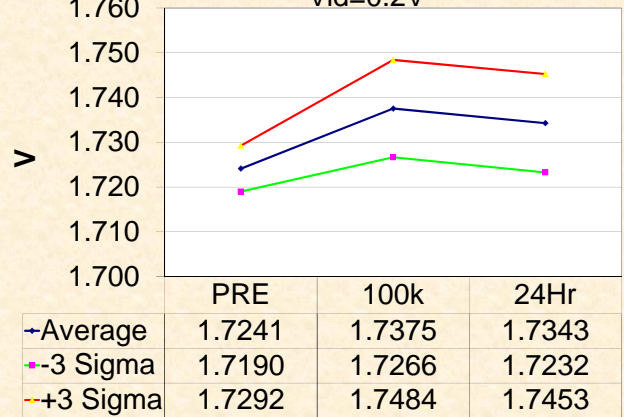
Differential Output Voltage Q2 Vcc=2.3V, Vid=0.2V



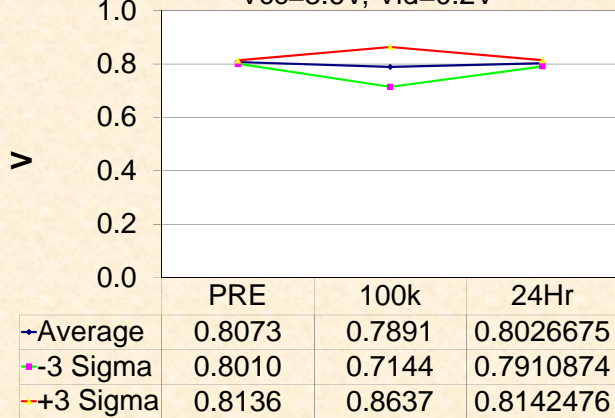
Output Voltage High Q1 Vcc=3.6V, Vid=0.2V



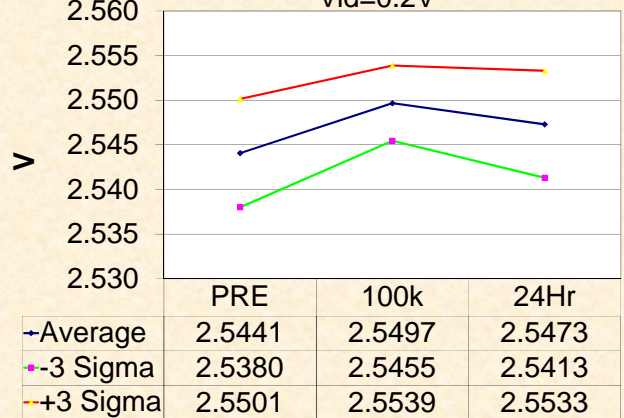
Output Voltage Low not Q1 Vcc=3.6V, Vid=0.2V



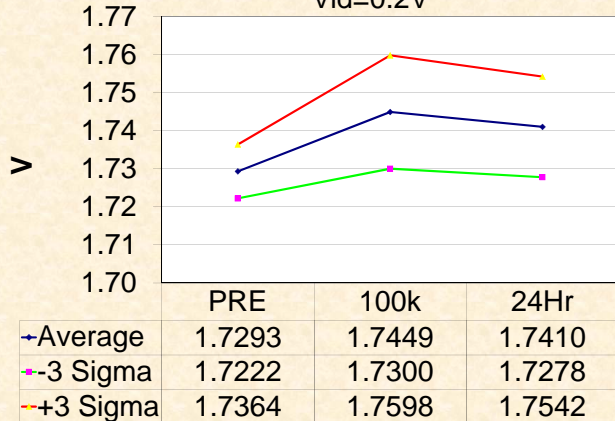
Differential Output Voltage Q1 Vcc=3.6V, Vid=0.2V



Output Voltage High Q2 Vcc=3.6V, Vid=0.2V



Output Voltage Low not Q2 Vcc=3.6V, Vid=0.2V



Differential Output Voltage Q2 Vcc=3.6V, Vid=0.2V

