

## RADIATION TEST REPORT

PRODUCT:	OP470AYQMLL
Die Type:	1470X
FILE:	OP470_LDR.xlsx
DATE CODE:	0905
GAMMA:	30.45k, 59.05k, 118.8k/TM1019 Condition D
GAMMA SOURCE:	Co60
DOSE RATE:	8.6mRad(si)/s
FACILITIES:	University of Massachusetts @ Lowell
TESTED:	2009/2010

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

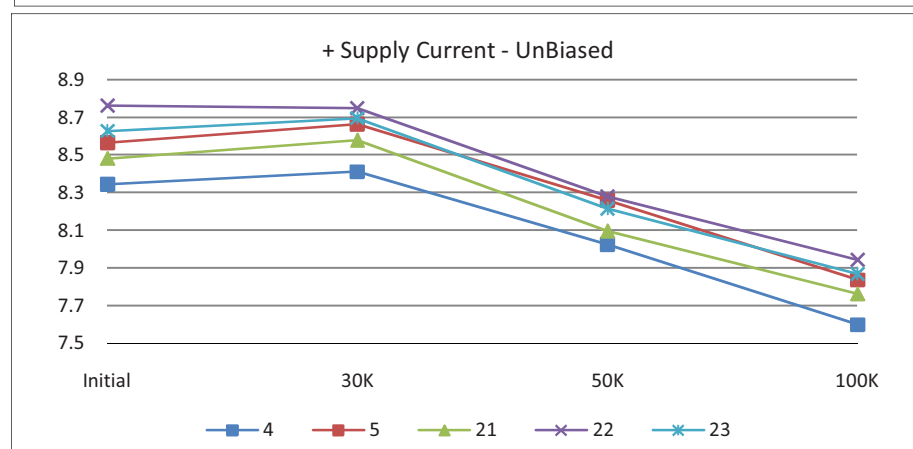
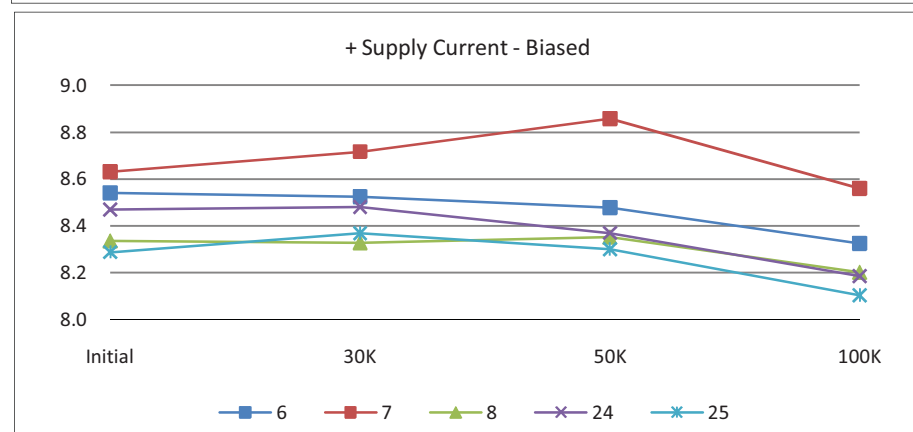
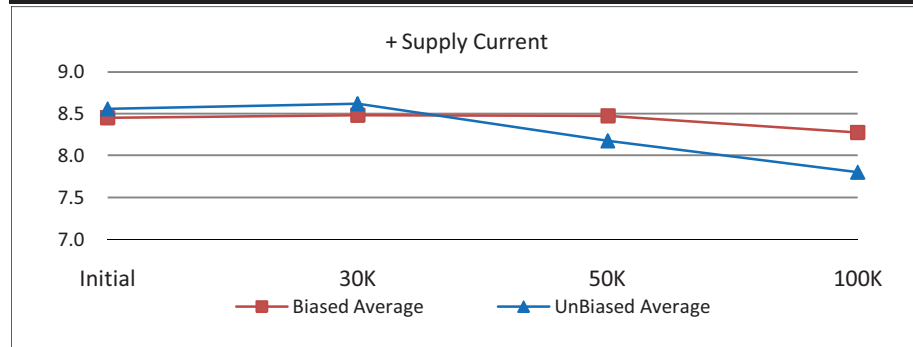
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### WARNING:

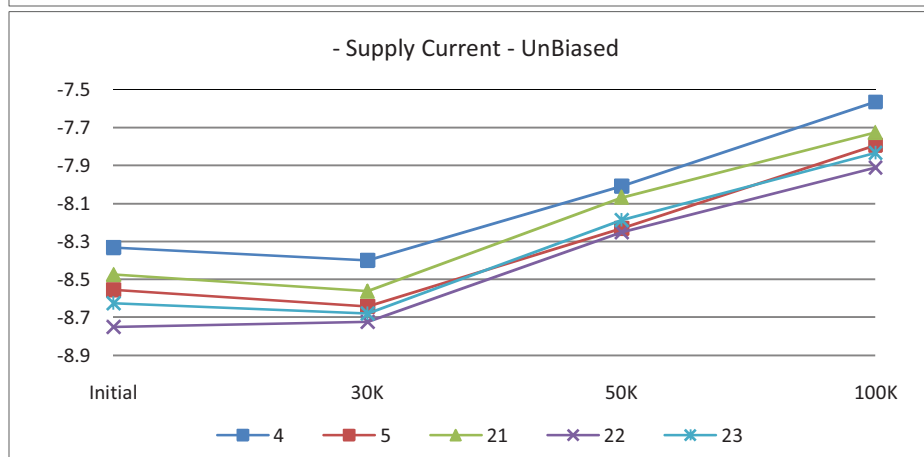
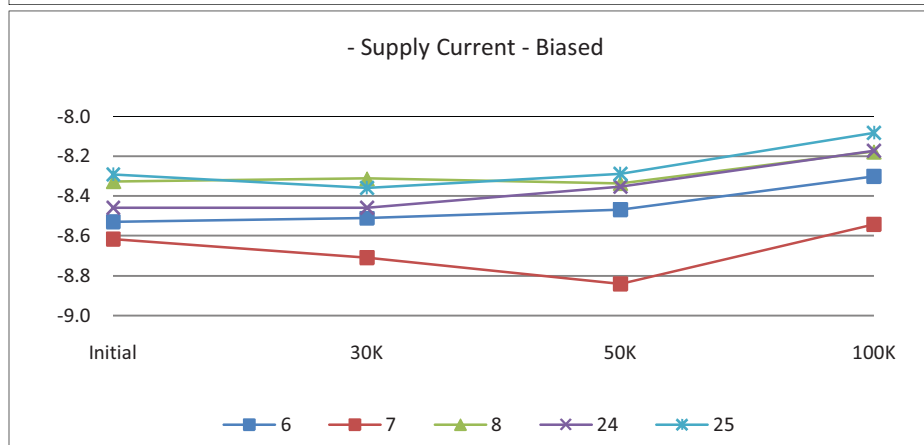
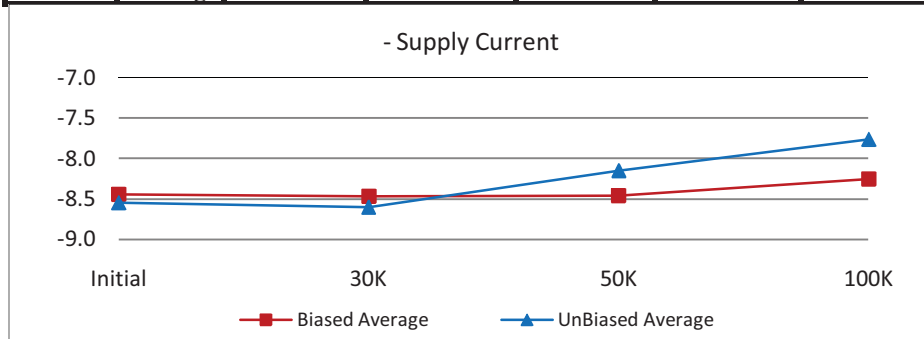
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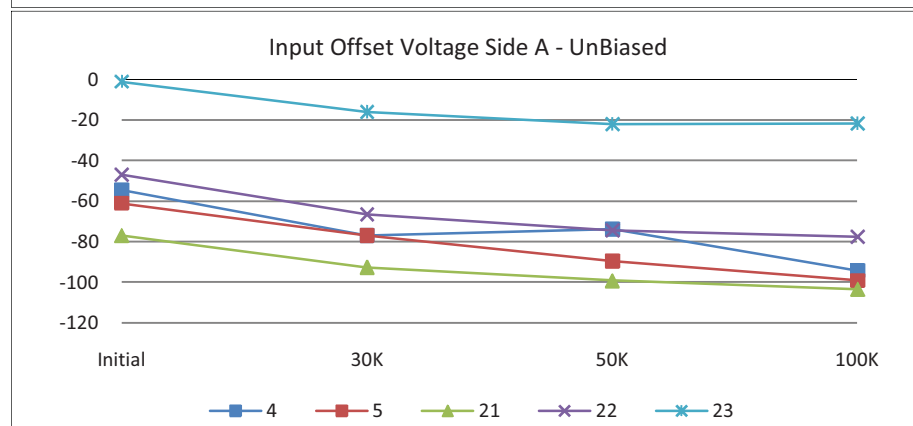
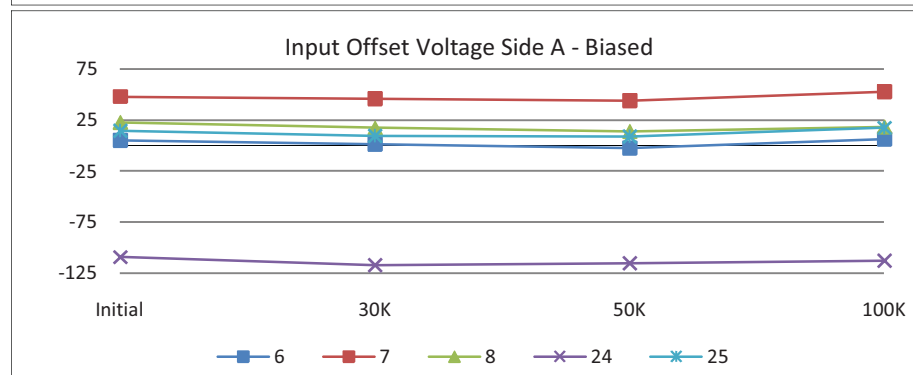
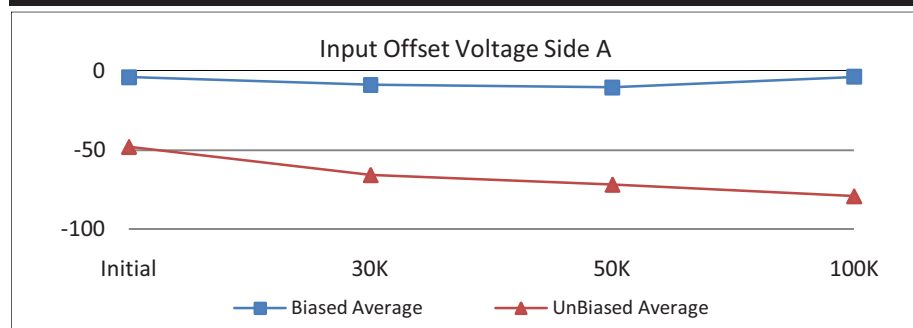
	T# 3	ISY+ @ 15V				mA
	SN	Initial	30K	50K	100K	Limit
Control	3	8.519	8.478	8.440	8.445	<11
	20	8.581	8.539	8.515	8.517	
Biased	6	8.541	8.524	8.477	8.325	
	7	8.631	8.717	8.858	8.561	
	8	8.335	8.328	8.352	8.201	
	24	8.469	8.480	8.370	8.185	
	25	8.288	8.368	8.301	8.104	
	Min	8.288	8.328	8.301	8.104	
	Max	8.631	8.717	8.858	8.561	
Average	8.453	8.483	8.472	8.275		
UnBiased	4	8.345	8.410	8.024	7.598	
	5	8.563	8.662	8.259	7.836	
	21	8.480	8.577	8.095	7.763	
	22	8.762	8.748	8.278	7.942	
	23	8.627	8.695	8.214	7.868	
	Min	8.345	8.410	8.024	7.598	
	Max	8.762	8.748	8.278	7.942	
Average	8.555	8.618	8.174	7.801		



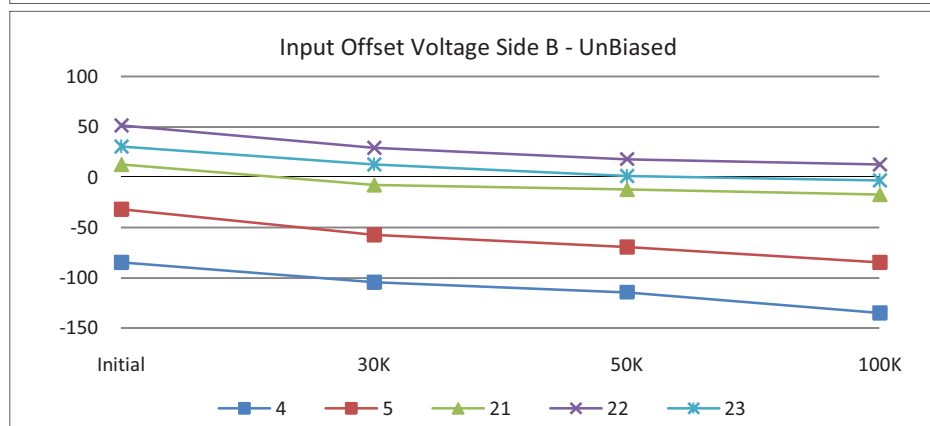
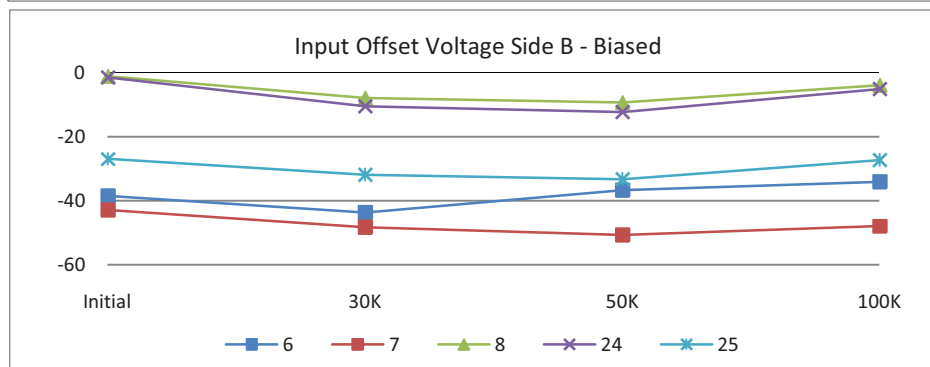
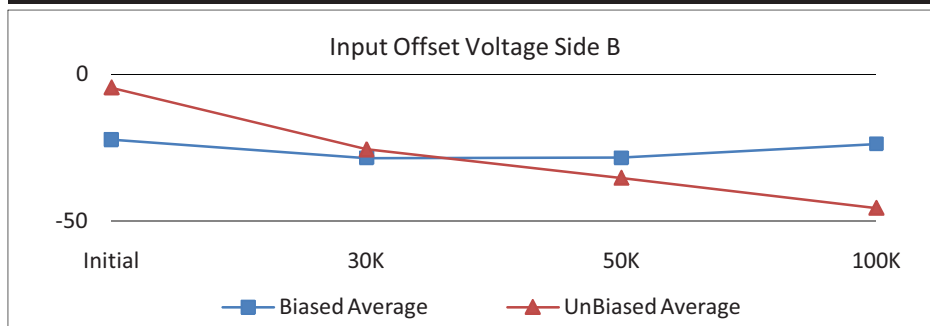
	T#4	ISY- @ 15V				mA
	SN	Initial	30K	50K	100K	Limit
Control	3	-8.506	-8.466	-8.429	-8.433	>-11
	20	-8.580	-8.524	-8.509	-8.498	
Biased	6	-8.529	-8.512	-8.468	-8.302	
	7	-8.616	-8.710	-8.842	-8.544	
	8	-8.327	-8.313	-8.336	-8.178	
	24	-8.459	-8.460	-8.353	-8.173	
	25	-8.291	-8.360	-8.290	-8.082	
	Min	-8.616	-8.710	-8.842	-8.544	
	Max	-8.291	-8.313	-8.290	-8.082	
Average	-8.444	-8.471	-8.458	-8.256		
UnBiased	4	-8.333	-8.399	-8.009	-7.564	
	5	-8.554	-8.643	-8.230	-7.791	
	21	-8.473	-8.562	-8.068	-7.726	
	22	-8.751	-8.725	-8.252	-7.910	
	23	-8.625	-8.679	-8.187	-7.832	
	Min	-8.751	-8.725	-8.252	-7.910	
	Max	-8.333	-8.399	-8.009	-7.564	
	Average	-8.547	-8.602	-8.149	-7.765	



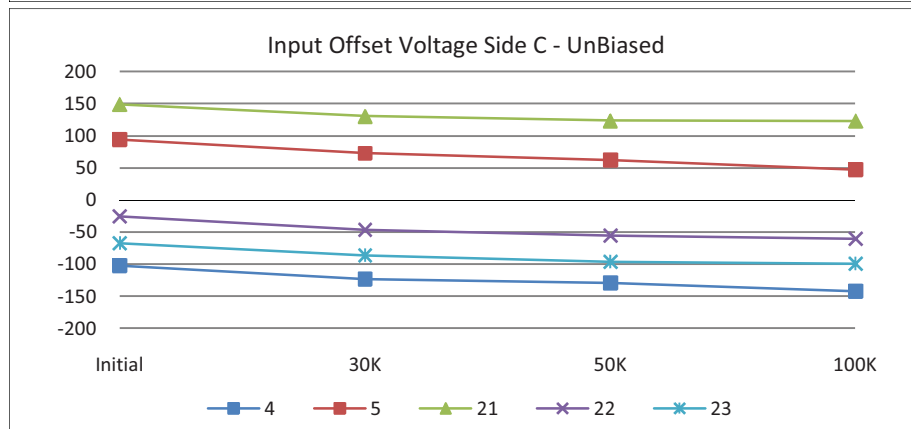
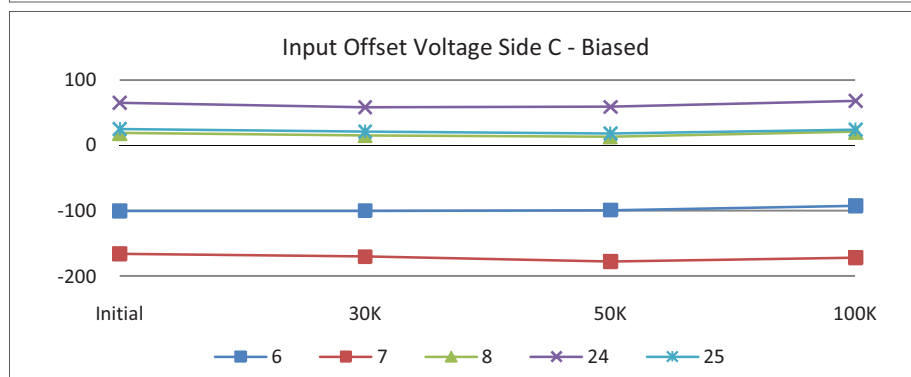
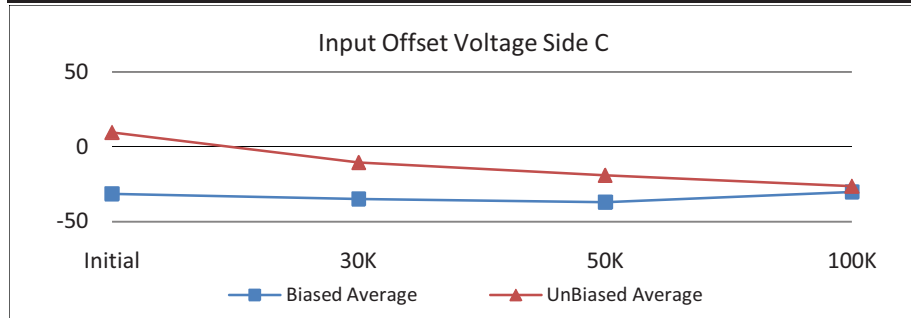
	T# 5	VOS A				uV
	SN	Initial	30K	50K	100K	Limit
Control	3	25.435	25.915	26.755	27.594	+/-600
	20	-66.466	-64.667	-62.267	-64.907	
Biased	6	4.919	1.080	-2.759	6.479	
	7	47.990	45.711	43.911	52.549	
	8	22.795	17.276	13.677	18.356	
	24	-109.538	-117.336	-115.536	-112.897	
	25	14.397	9.238	8.758	17.276	
	Min	-109.538	-117.336	-115.536	-112.897	
	Max	47.990	45.711	43.911	52.549	
Average	-3.887	-8.806	-10.390	-3.647		
UnBiased	4	-54.589	-76.904	-73.905	-94.421	
	5	-61.068	-77.024	-89.742	-99.220	
	21	-77.024	-92.621	-99.220	-103.419	
	22	-46.910	-66.706	-74.505	-77.744	
	23	-1.080	-16.077	-21.956	-21.716	
	Min	-77.024	-92.621	-99.220	-103.419	
	Max	-1.080	-16.077	-21.956	-21.716	
Average	-48.134	-65.866	-71.866	-79.304		



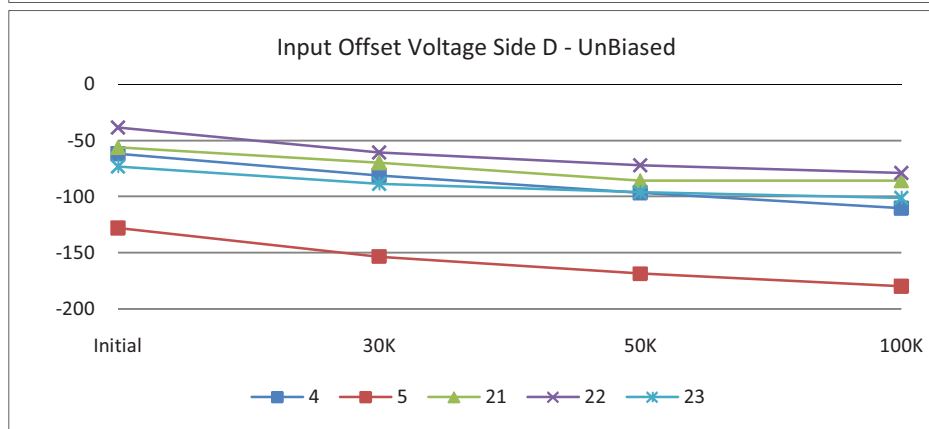
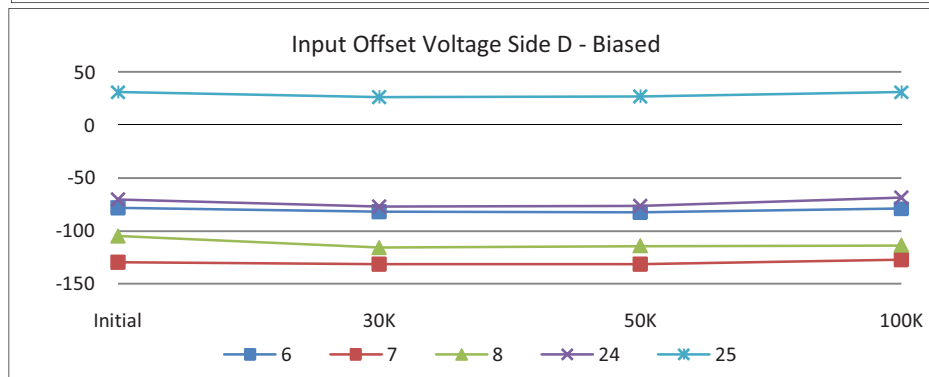
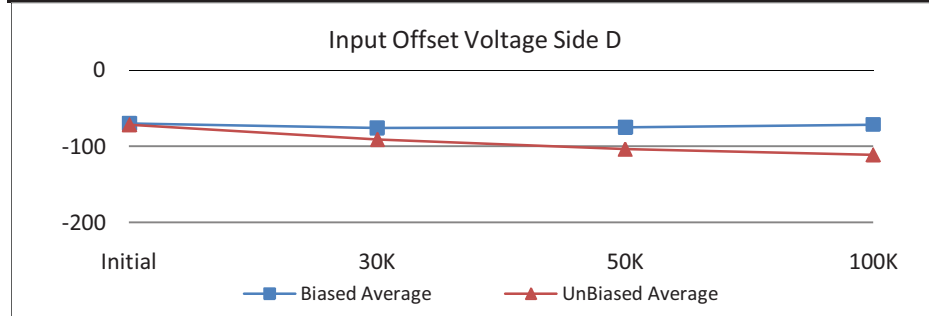
	T#6	VOS B				uV
	SN	Initial	30K	50K	100K	Limit
Control	3	-48.110	-48.230	-44.391	-46.551	+/-600
	20	135.452	134.253	135.572	137.492	
Biased	6	-38.512	-43.671	-36.713	-34.073	
	7	-42.951	-48.350	-50.750	-47.990	
	8	-1.080	-7.918	-9.238	-3.839	
	24	-1.440	-10.558	-12.357	-5.159	
	25	-26.995	-31.914	-33.233	-27.354	
	Min	-42.951	-48.350	-50.750	-47.990	
	Max	-1.080	-7.918	-9.238	-3.839	
Average	-22.196	-28.482	-28.458	-23.683		
UnBiased	4	-84.943	-104.619	-114.337	-134.733	
	5	-32.033	-57.468	-69.466	-84.823	
	21	12.477	-7.918	-12.357	-17.396	
	22	51.350	29.514	18.116	12.837	
	23	30.474	12.597	1.440	-3.239	
	Min	-84.943	-104.619	-114.337	-134.733	
	Max	51.350	29.514	18.116	12.837	
Average	-4.535	-25.579	-35.321	-45.471		



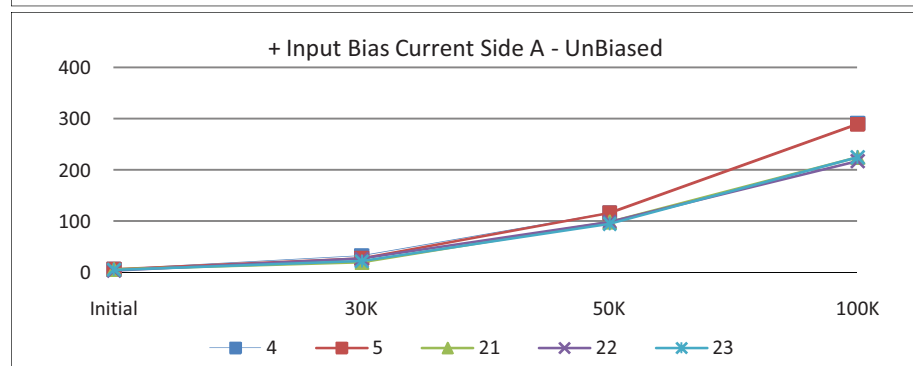
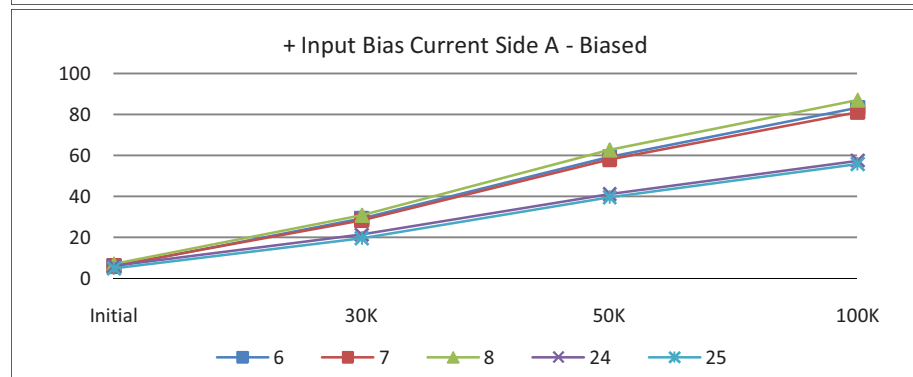
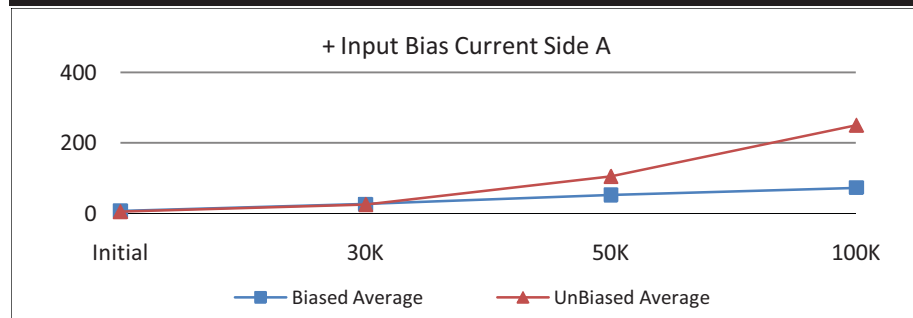
	T# 7	VOS C				uV
	SN	Initial	30K	50K	100K	Limit
Control	3	-17.516	-16.557	-12.597	-14.277	+/-600
	20	70.786	69.106	68.746	69.466	
Biased	6	-100.180	-99.820	-98.860	-92.261	
	7	-166.046	-170.125	-177.444	-171.685	
	8	18.716	15.357	13.557	20.636	
	24	64.787	58.308	58.788	68.266	
	25	25.075	20.876	17.876	23.875	
	Min	-166.046	-170.125	-177.444	-171.685	
	Max	64.787	58.308	58.788	68.266	
Average	-31.530	-35.081	-37.217	-30.234		
UnBiased	4	-102.579	-123.335	-129.454	-142.771	
	5	93.701	72.585	62.027	47.150	
	21	149.250	130.533	123.575	123.095	
	22	-25.435	-46.311	-55.309	-60.468	
	23	-67.426	-86.742	-96.580	-99.700	
	Min	-102.579	-123.335	-129.454	-142.771	
	Max	149.250	130.533	123.575	123.095	
Average	9.502	-10.654	-19.148	-26.539		



	T#8	VOS D				uV
	SN	Initial	30K	50K	100K	Limit
Control	3	-156.208	-156.448	-156.448	-155.368	+/-600
	20	-23.395	-22.795	-22.435	-24.835	
Biased	6	-77.984	-81.943	-82.543	-79.064	
	7	-129.574	-131.373	-131.373	-127.414	
	8	-104.979	-115.776	-114.217	-113.617	
	24	-70.306	-77.144	-76.304	-68.386	
	25	30.954	26.275	27.114	30.954	
	Min	-129.574	-131.373	-131.373	-127.414	
	Max	30.954	26.275	27.114	30.954	
Average	-70.378	-75.992	-75.465	-71.505		
UnBiased	4	-61.907	-81.343	-96.820	-110.378	
	5	-127.774	-153.329	-168.686	-179.603	
	21	-56.389	-69.826	-86.022	-86.022	
	22	-38.392	-60.948	-72.225	-78.824	
	23	-73.305	-88.782	-95.860	-101.259	
	Min	-127.774	-153.329	-168.686	-179.603	
	Max	-38.392	-60.948	-72.225	-78.824	
Average	-71.553	-90.846	-103.923	-111.217		

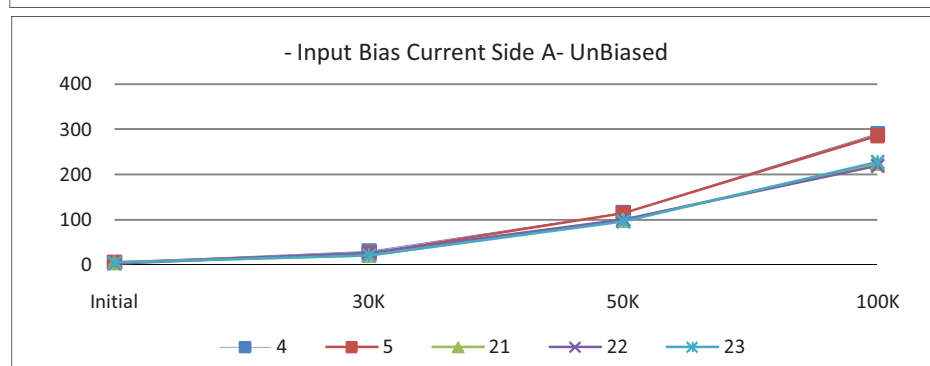
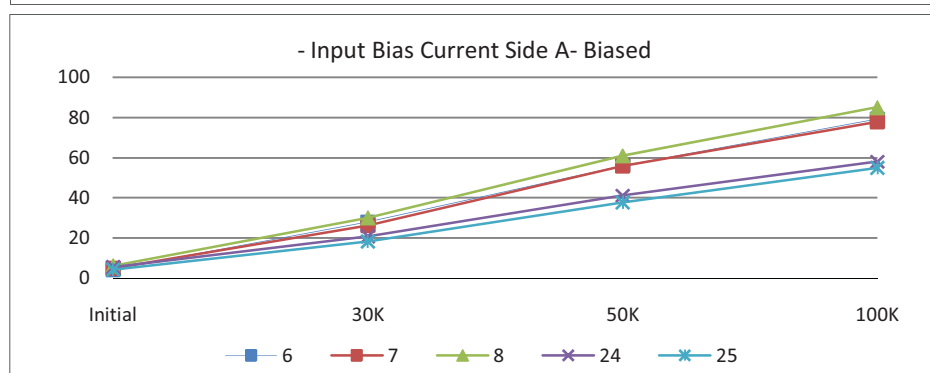
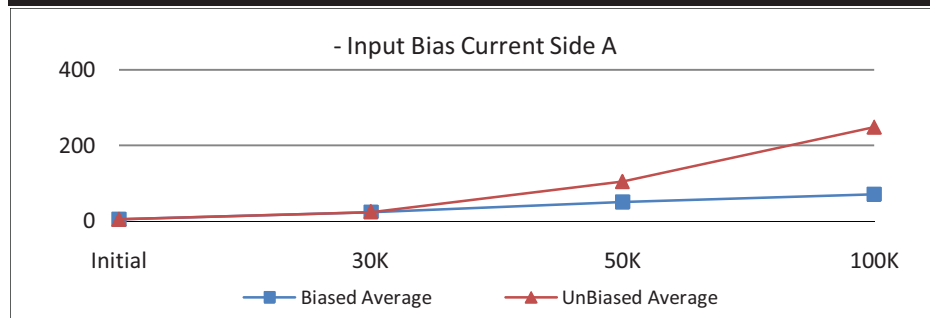


	T# 9	IB+ A				nA
	SN	Initial	30K	50K	100K	Limit
Control	3	6.474	6.348	6.453	6.207	+/-500
	20	5.357	5.281	5.321	5.324	
Biased	6	5.814	29.244	59.217	83.259	
	7	6.189	28.231	58.131	80.995	
	8	7.174	30.827	62.570	86.978	
	24	6.129	21.328	41.147	57.521	
	25	4.983	19.612	39.619	55.770	
	Min	4.983	19.612	39.619	55.770	
	Max	7.174	30.827	62.570	86.978	
Average	6.058	25.848	52.137	72.905		
UnBiased	4	6.195	32.519	116.340	291.020	
	5	6.336	27.282	116.463	289.221	
	21	5.766	19.876	97.922	224.420	
	22	3.679	26.739	99.109	217.570	
	23	5.406	21.680	94.947	224.815	
	Min	3.679	19.876	94.947	217.570	
	Max	6.336	32.519	116.463	291.020	
Average	5.476	25.619	104.956	249.409		

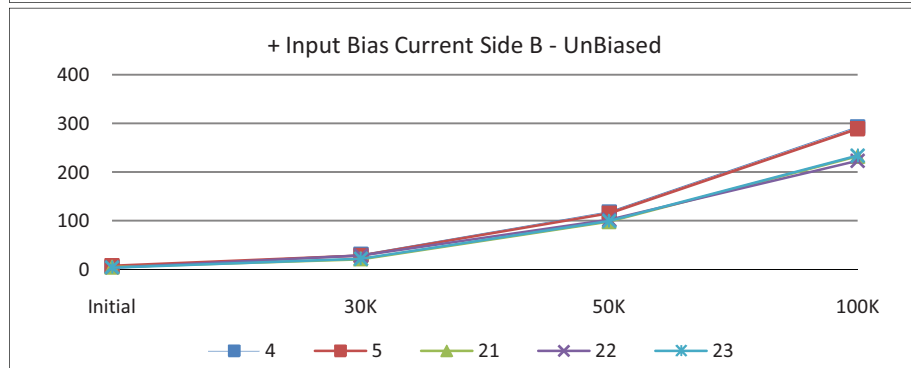
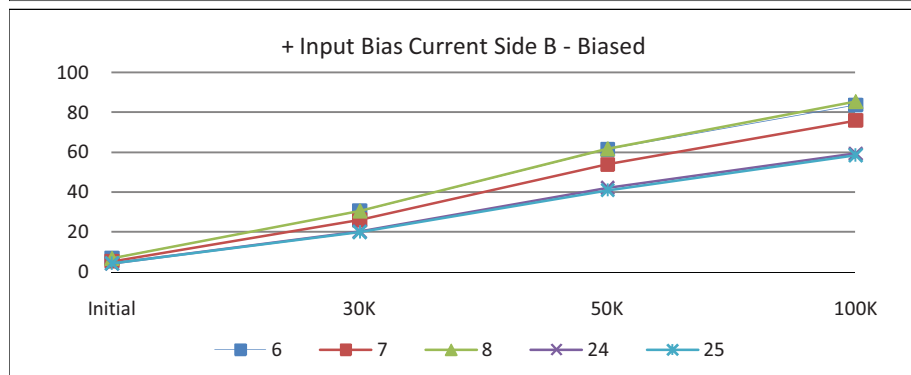
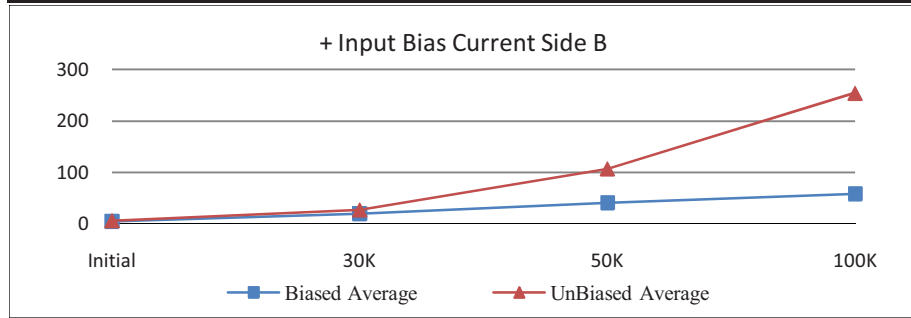




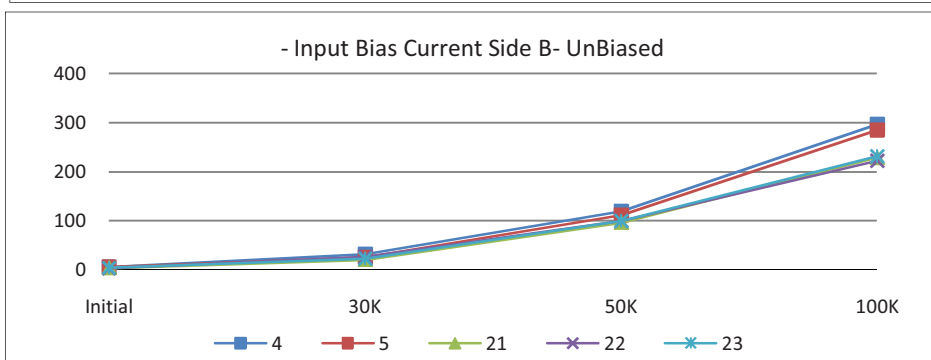
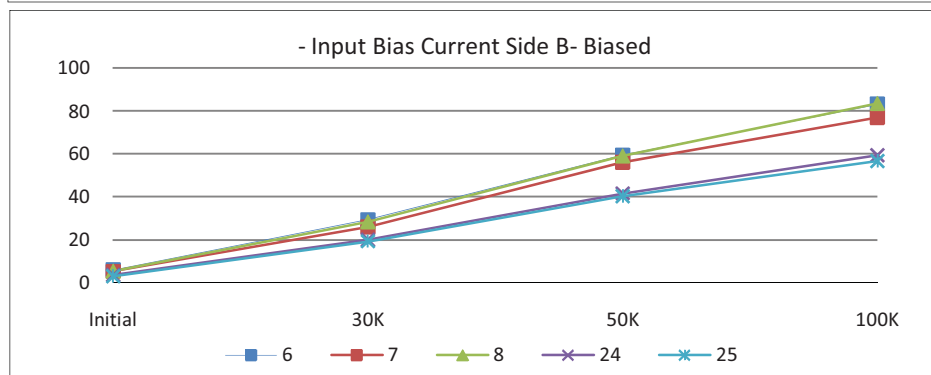
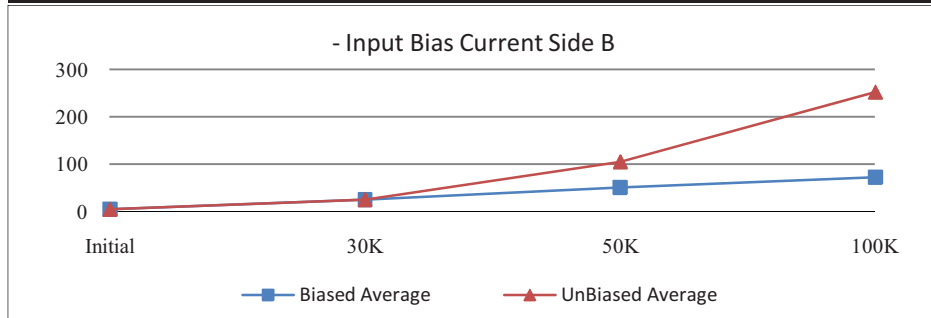
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	SN	Initial	30K	50K	100K	Limit
Control	3	5.149	5.035	5.191	4.992	+/-500
	20	3.681	3.670	3.657	3.665	
Biased	6	4.302	28.008	56.135	79.159	
	7	4.777	26.121	55.768	77.736	
	8	6.061	29.948	60.938	85.070	
	24	5.494	20.934	41.068	57.958	
	25	4.137	18.326	37.622	54.903	
	Min	4.137	18.326	37.622	54.903	
	Max	6.061	29.948	60.938	85.070	
Average	4.954	24.667	50.306	70.965		
UnBiased	4	5.439	30.354	115.336	290.087	
	5	5.105	25.360	114.000	285.340	
	21	4.995	20.584	98.839	224.783	
	22	3.098	25.986	99.602	218.838	
	23	4.593	21.127	95.942	227.798	
	Min	3.098	20.584	95.942	218.838	
	Max	5.439	30.354	115.336	290.087	
Average	4.646	24.682	104.744	249.369		



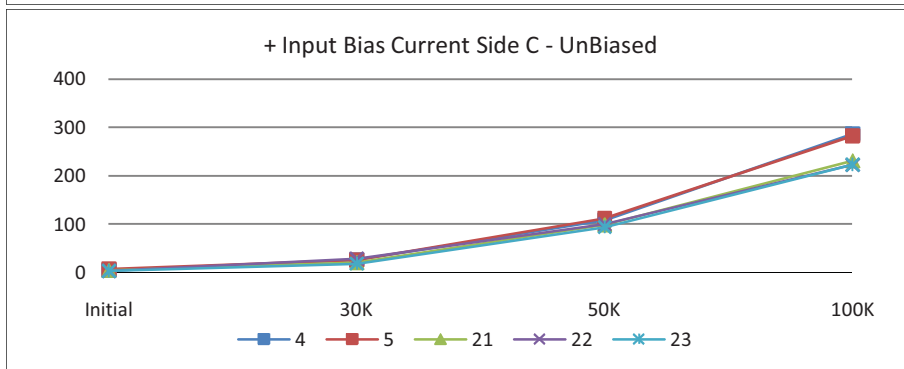
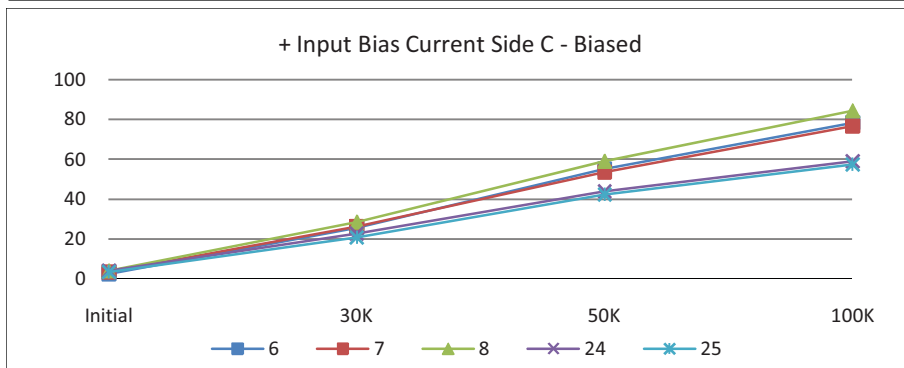
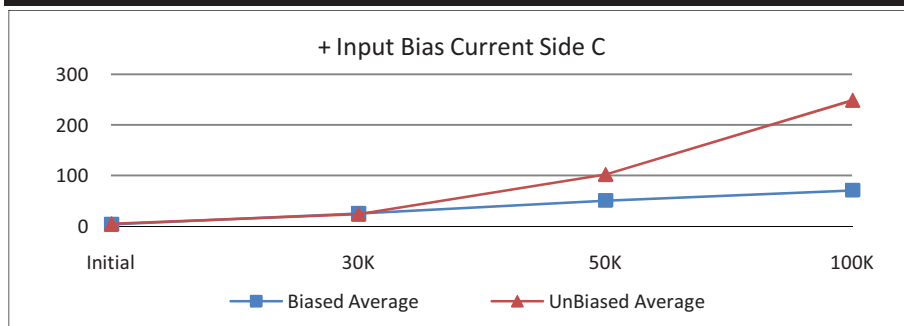
T# 11		IB+ B				nA
SN		Initial	30K	50K	100K	Limit
Control	3	6.222	6.075	6.186	5.960	+/-500
	20	3.681	3.556	3.646	3.654	
Biased	6	6.861	30.432	61.434	83.663	
	7	5.328	25.931	53.838	75.946	
	8	6.674	30.407	61.582	85.495	
	24	4.100	20.345	42.086	59.289	
	25	4.268	20.003	40.955	58.577	
	Min	4.100	20.003	40.955	58.577	
	Max	6.861	30.432	61.582	85.495	
Average	5.446	25.424	51.979	72.594		
UnBiased	4	5.912	31.143	118.357	293.257	
	5	7.536	28.768	115.338	289.300	
	21	5.150	21.730	99.103	232.905	
	22	4.627	28.727	102.005	223.149	
	23	4.627	22.379	99.493	233.851	
	Min	4.627	21.730	99.103	223.149	
	Max	7.536	31.143	118.357	293.257	
Average	5.570	26.549	106.859	254.492		



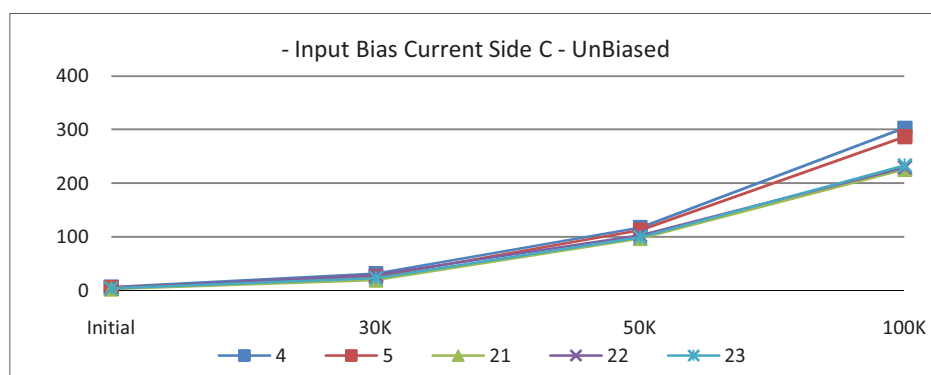
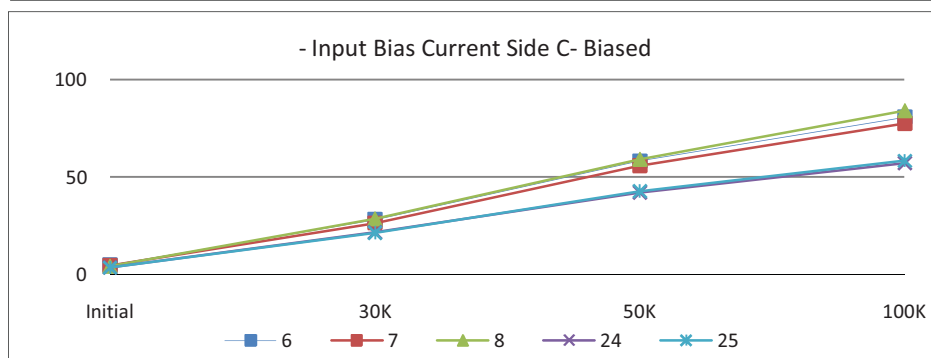
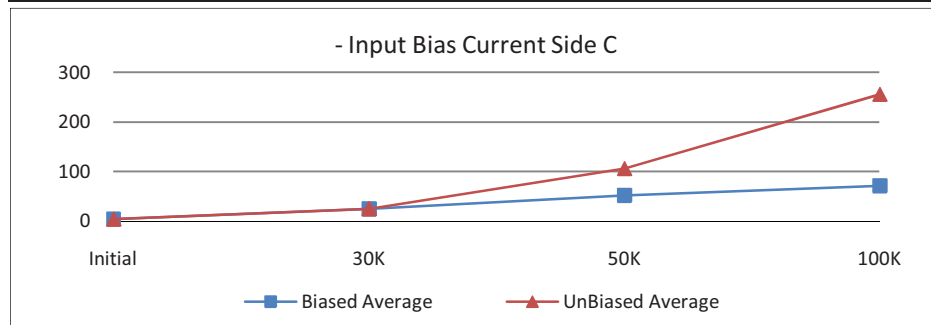
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SN		Initial	30K	50K	100K	Limit
Control	3	5.889	5.782	5.790	5.578	+/-500
	20	1.424	1.325	1.352	1.333	
Biased	6	5.990	29.321	59.468	83.115	
	7	5.302	26.078	56.044	76.828	
	8	5.314	28.403	59.091	83.603	
	24	3.682	19.975	41.616	59.233	
	25	3.098	19.270	40.220	56.645	
	Min	3.098	19.270	40.220	56.645	
	Max	5.990	29.321	59.468	83.603	
Average	4.677	24.609	51.288	71.885		
UnBiased	4	5.327	31.522	119.611	296.894	
	5	6.163	25.723	111.504	284.366	
	21	3.783	20.400	96.066	228.512	
	22	3.480	26.468	99.427	222.387	
	23	3.865	22.311	99.730	231.865	
	Min	3.480	20.400	96.066	222.387	
	Max	6.163	31.522	119.611	296.894	
Average	4.524	25.285	105.268	252.805		



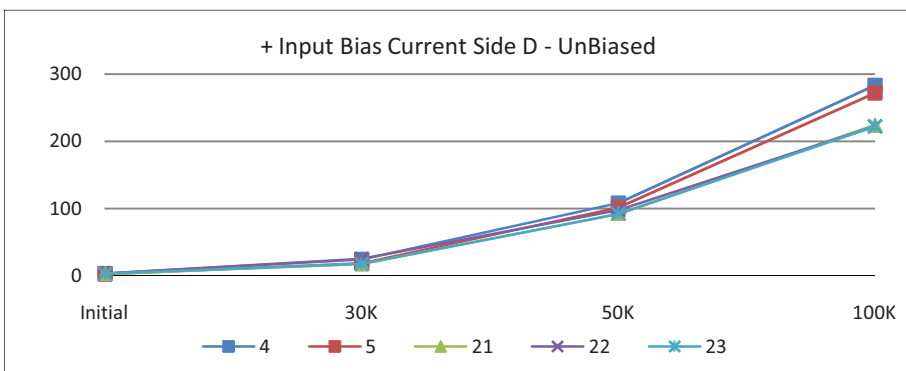
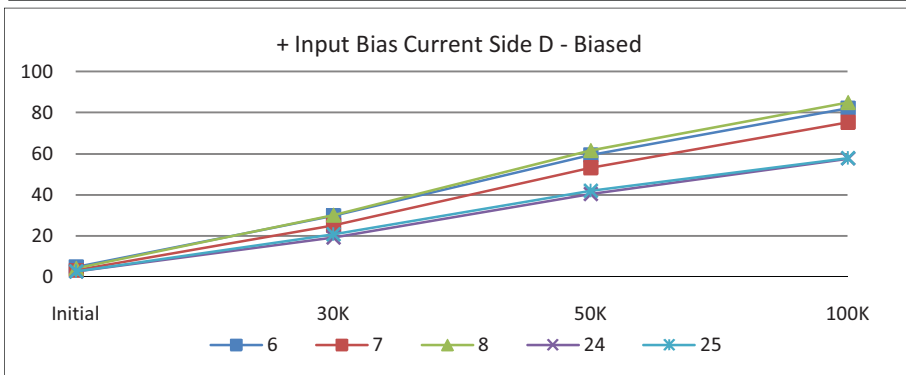
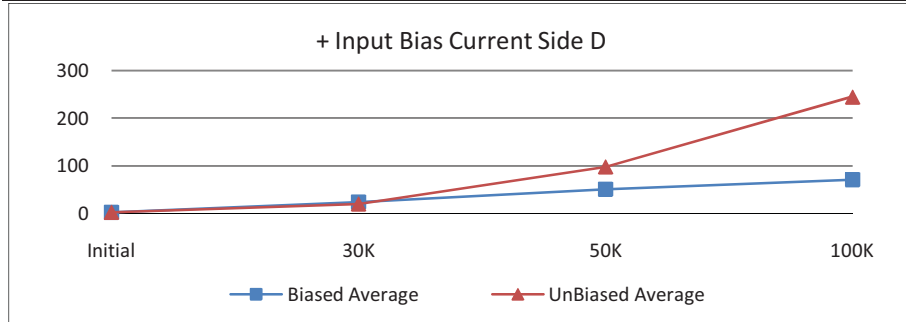
	T# 13	IB+ C				nA
	SN	Initial	30K	50K	100K	Limit
Control	3	4.252	4.065	4.232	4.107	+/-500
	20	3.825	3.807	3.762	3.718	
Biased	6	2.530	25.721	55.180	78.241	
	7	3.303	26.133	53.509	76.638	
	8	4.077	28.476	59.024	84.423	
	24	4.142	22.617	43.915	58.870	
	25	3.540	20.783	42.236	57.309	
	Min	2.530	20.783	42.236	57.309	
	Max	4.142	28.476	59.024	84.423	
Average	3.518	24.746	50.773	71.096		
UnBiased	4	4.461	25.623	107.502	287.118	
	5	7.076	25.952	112.388	283.079	
	21	3.995	19.886	98.395	230.505	
	22	3.070	27.837	99.761	222.357	
	23	3.027	18.318	93.864	222.613	
	Min	3.027	18.318	93.864	222.357	
	Max	7.076	27.837	112.388	287.118	
Average	4.326	23.523	102.382	249.134		



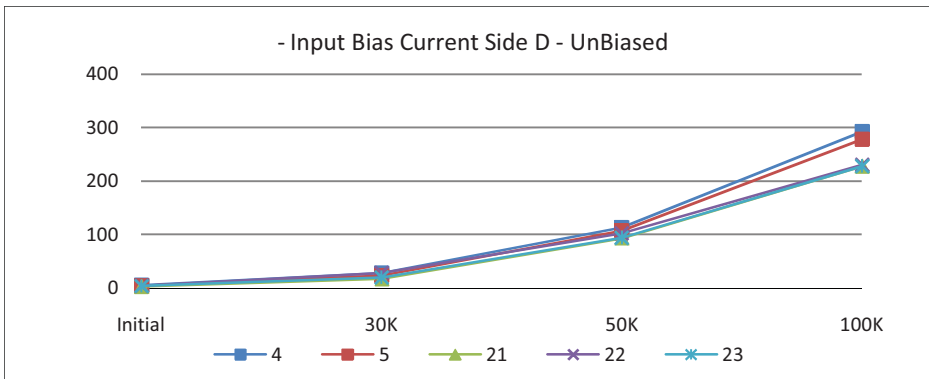
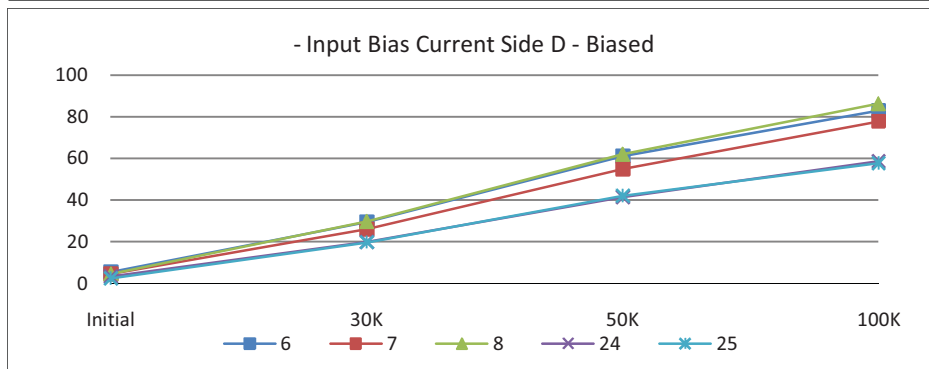
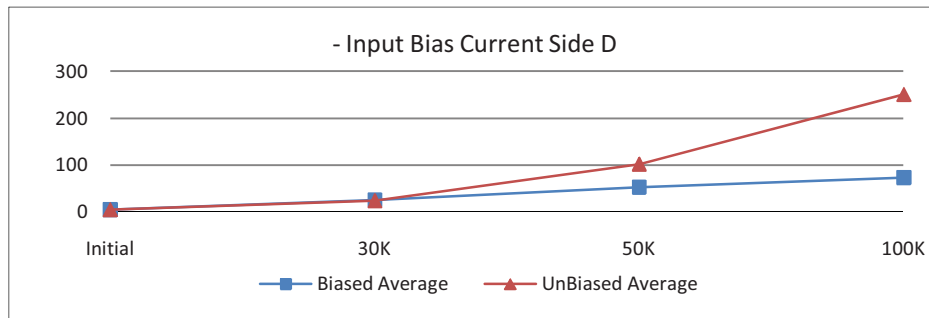
		T# 14	IB- C				nA
		SN	Initial	30K	50K	100K	Limit
Control	3	5.023	4.867	4.983	4.787		+/-500
	20	3.375	3.316	3.278	3.259		
Biased	6	4.756	28.137	58.327	80.844		
	7	4.590	26.435	55.826	77.703		
	8	4.115	28.426	59.205	84.153		
	24	3.672	21.730	42.204	57.339		
	25	3.426	21.231	42.826	58.370		
	Min	3.426	21.231	42.204	57.339		
	Max	4.756	28.426	59.205	84.153		
Average	4.112	25.192	51.678	71.682			
UnBiased	4	6.476	31.513	117.533	303.035		
	5	5.158	25.211	112.563	286.523		
	21	2.848	19.322	97.039	226.236		
	22	3.558	28.858	102.750	229.103		
	23	3.627	22.806	99.533	232.663		
	Min	2.848	19.322	97.039	226.236		
	Max	6.476	31.513	117.533	303.035		
Average	4.333	25.542	105.884	255.512			



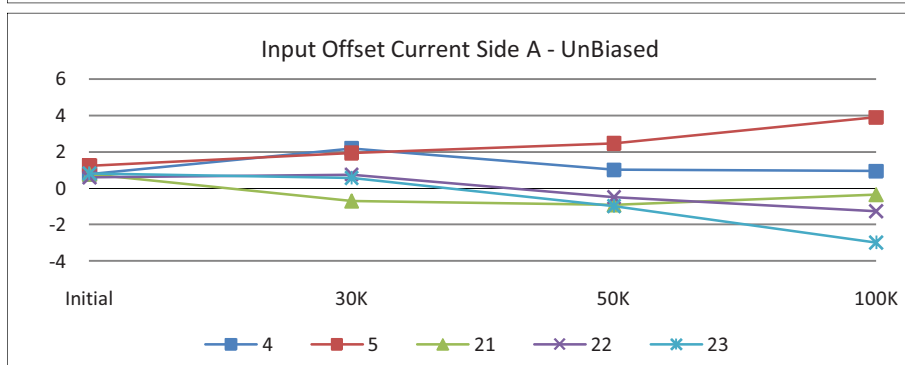
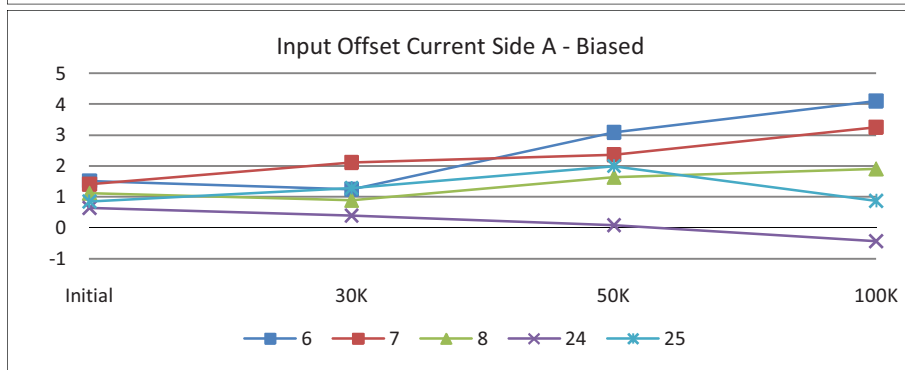
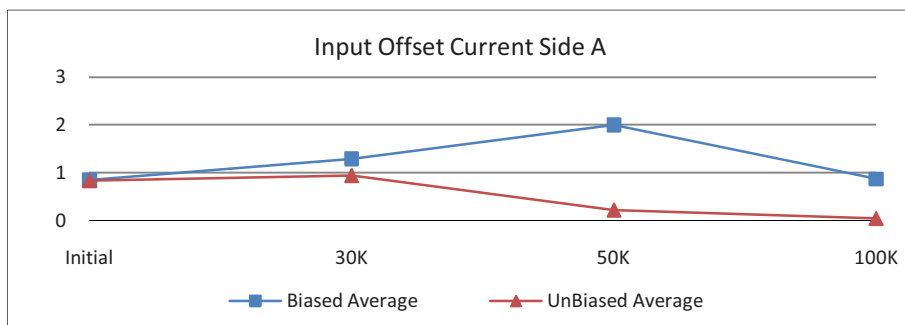
T# 15		IB+ D				nA
SN		Initial	30K	50K	100K	Limit
Control	3	3.012	2.916	2.937	2.806	+/-500
	20	2.850	2.725	2.867	2.806	
Biased	6	4.726	29.646	59.529	82.119	
	7	3.112	25.091	53.172	75.390	
	8	4.057	30.066	61.671	85.121	
	24	2.683	19.272	40.257	57.669	
	25	2.564	20.597	42.067	57.716	
	Min	2.564	19.272	40.257	57.669	
	Max	4.726	30.066	61.671	85.121	
Average	3.428	24.934	51.339	71.603		
UnBiased	4	2.999	24.211	107.857	282.738	
	5	2.380	18.315	101.524	271.440	
	21	2.545	17.113	91.921	224.193	
	22	3.528	25.407	97.241	222.003	
	23	2.637	17.694	92.061	222.364	
	Min	2.380	17.113	91.921	222.003	
	Max	3.528	25.407	107.857	282.738	
Average	2.818	20.548	98.121	244.548		



T# 16		IB- D				nA
SN		Initial	30K	50K	100K	Limit
Control	3	4.361	4.313	4.367	4.219	+/-500
	20	2.697	2.665	2.742	2.695	
Biased	6	5.575	29.465	61.049	82.769	
	7	4.594	26.155	54.867	77.802	
	8	4.620	29.705	62.049	86.324	
	24	3.249	19.848	41.357	58.662	
	25	2.504	19.739	42.003	57.757	
	Min	2.504	19.739	41.357	57.757	
	Max	5.575	29.705	62.049	86.324	
Average	4.108	24.982	52.265	72.663		
UnBiased	4	4.863	28.294	112.873	292.370	
	5	4.003	22.992	107.396	278.009	
	21	2.385	16.871	92.934	227.534	
	22	4.165	28.426	101.811	230.372	
	23	3.360	19.741	93.733	228.092	
	Min	2.385	16.871	92.934	227.534	
	Max	4.863	28.426	112.873	292.370	
Average	3.755	23.265	101.749	251.275		

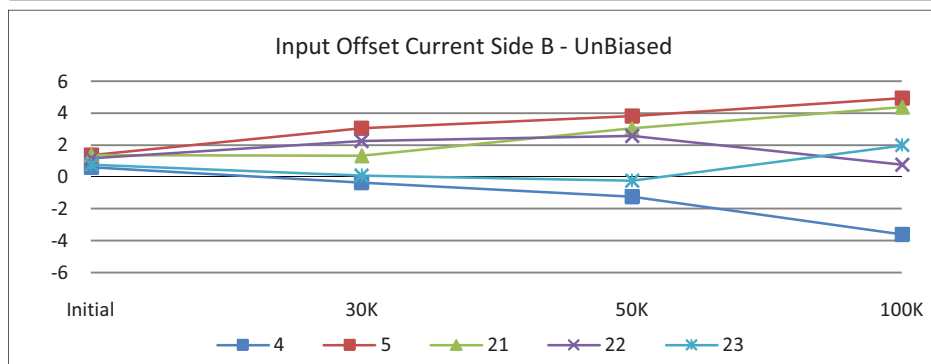
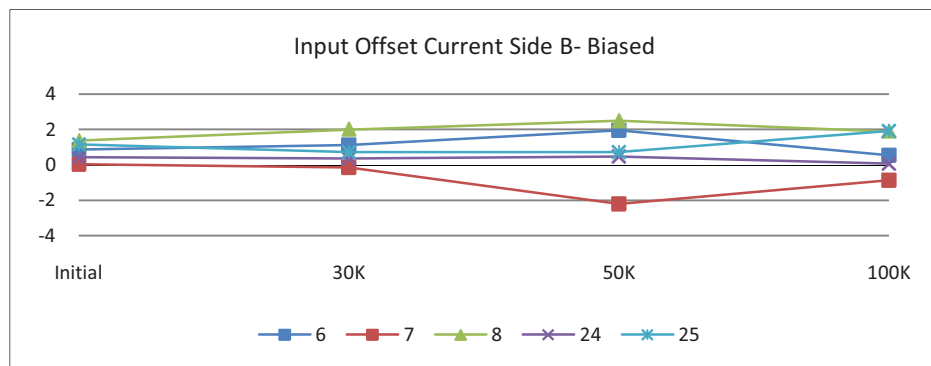
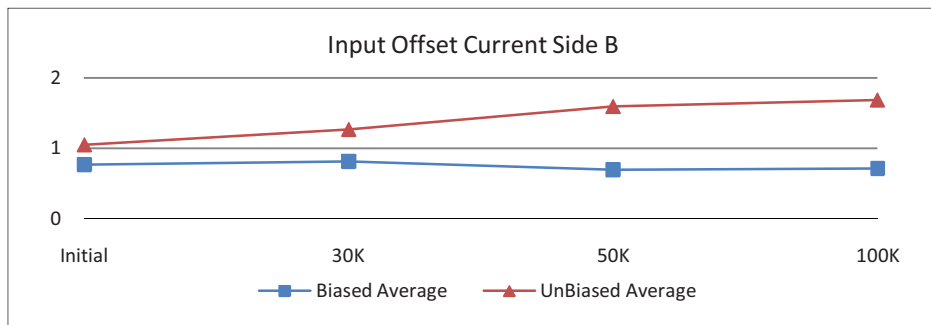


		T# 17	IOS A				nA
		SN	Initial	30K	50K	100K	Limit
Control	3	1.326	1.313	1.262	1.216		+/-50
	20	1.676	1.612	1.664	1.660		
Biased	6	1.513	1.237	3.082	4.101		
	7	1.411	2.111	2.363	3.259		
	8	1.113	0.879	1.632	1.907		
	24	0.635	0.395	0.079	-0.436		
	25	0.846	1.286	1.997	0.867		
	Min	0.635	0.395	0.079	-0.436		
	Max	1.513	2.111	3.082	4.101		
Average	1.104	1.182	1.831	1.940			
UnBiased	4	0.756	2.165	1.003	0.933		
	5	1.231	1.923	2.463	3.881		
	21	0.771	-0.708	-0.917	-0.363		
	22	0.582	0.753	-0.493	-1.268		
	23	0.812	0.554	-0.996	-2.984		
	Min	0.582	-0.708	-0.996	-2.984		
	Max	1.231	2.165	2.463	3.881		
Average	0.830	0.937	0.212	0.040			

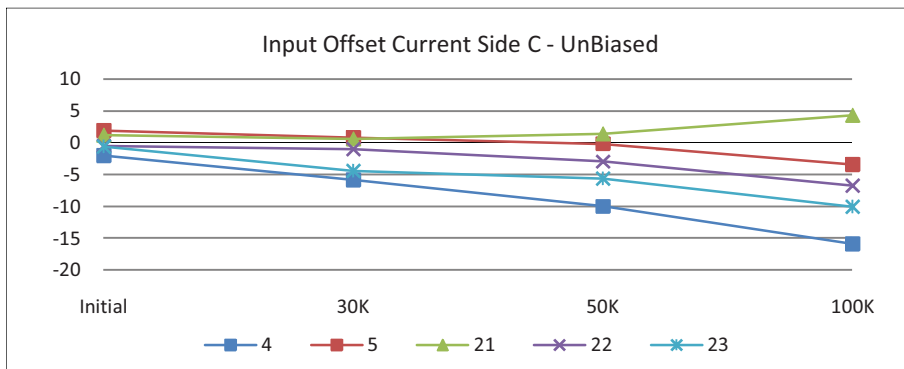
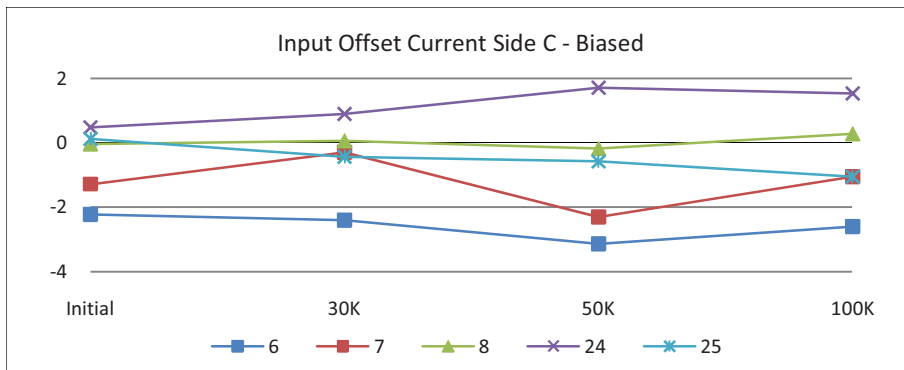
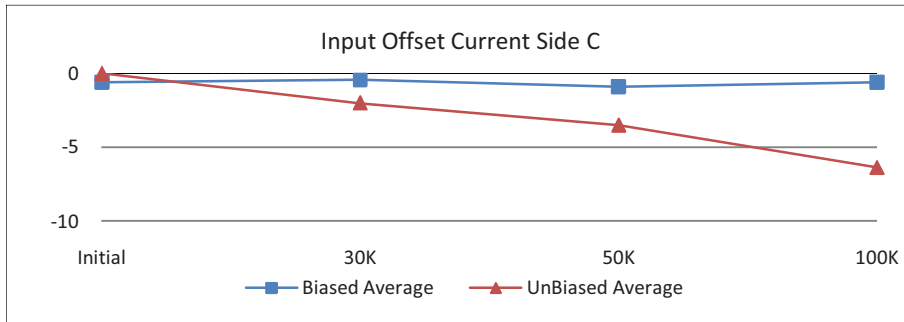




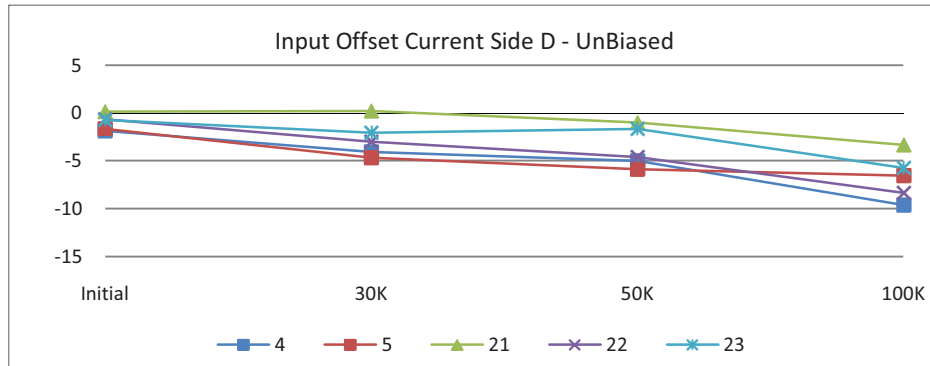
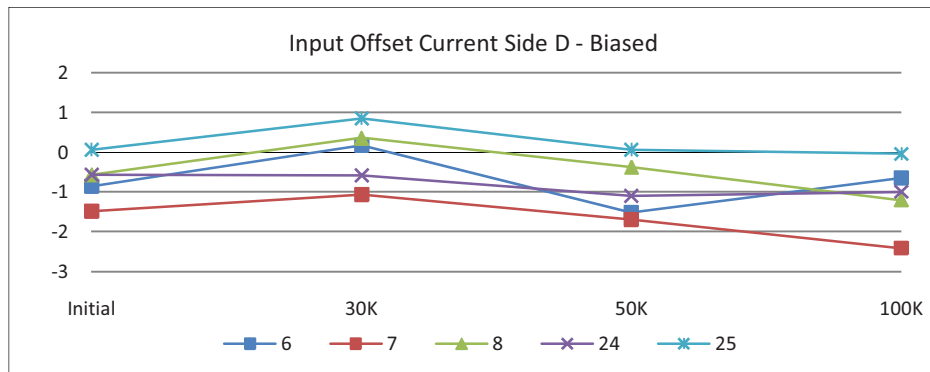
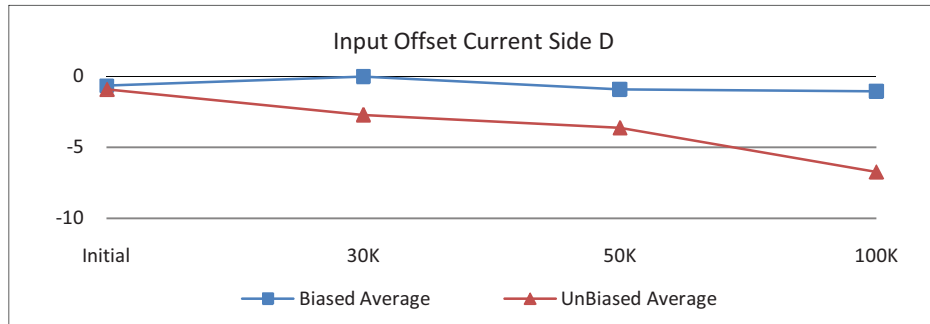
		T# 18	IOS B				nA
		SN	Initial	30K	50K	100K	Limit
Control	3	0.333	0.294	0.396	0.382		+/-50
	20	2.257	2.231	2.294	2.321		
Biased	6	0.871	1.110	1.967	0.548		
	7	0.027	-0.148	-2.206	-0.882		
	8	1.360	2.004	2.491	1.892		
	24	0.418	0.370	0.469	0.056		
	25	1.171	0.733	0.735	1.932		
	Min	0.027	-0.148	-2.206	-0.882		
	Max	1.360	2.004	2.491	1.932		
Average	0.769	0.814	0.691	0.709			
UnBiased	4	0.585	-0.379	-1.254	-3.637		
	5	1.373	3.045	3.835	4.934		
	21	1.367	1.330	3.038	4.393		
	22	1.147	2.259	2.577	0.762		
	23	0.762	0.068	-0.237	1.986		
	Min	0.585	-0.379	-1.254	-3.637		
	Max	1.373	3.045	3.835	4.934		
Average	1.047	1.265	1.592	1.688			



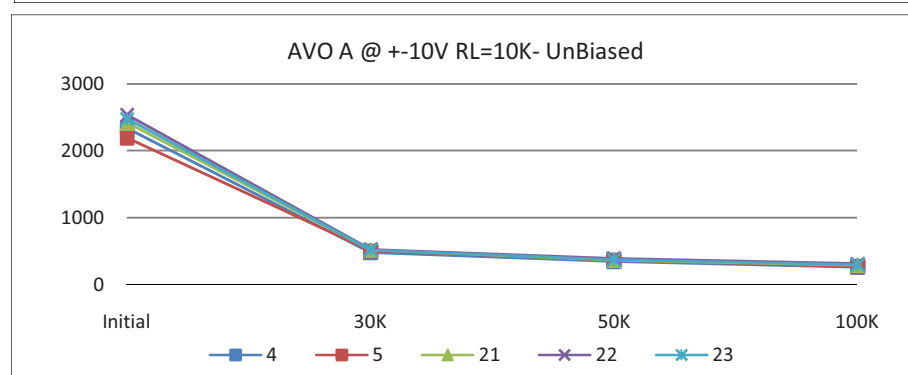
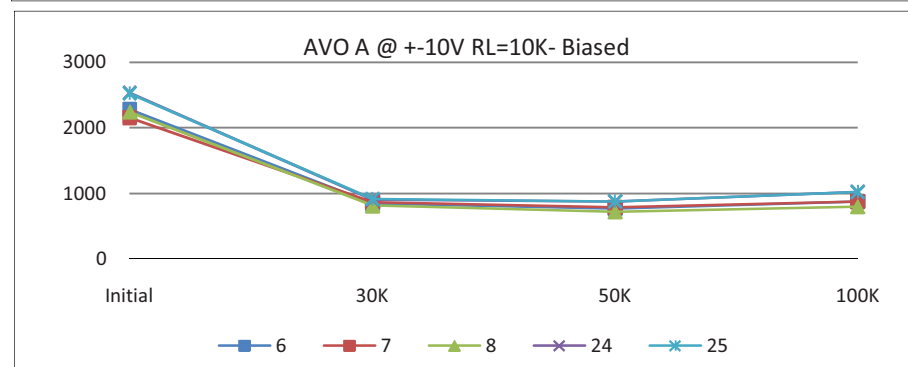
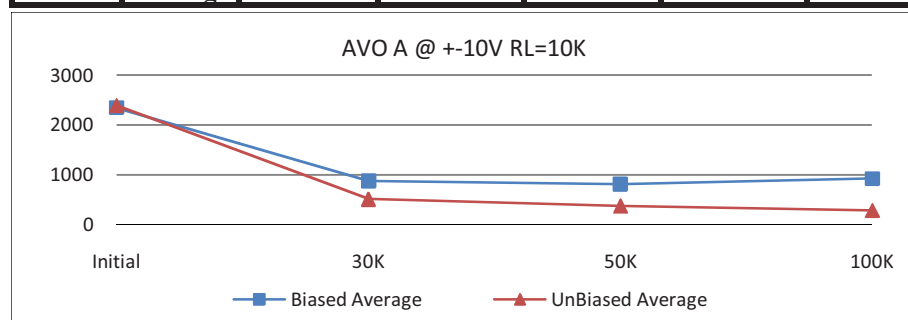
T# 19		IOS C				nA
SN		Initial	30K	50K	100K	Limit
Control	3	-0.771	-0.801	-0.751	-0.680	+/-50
	20	0.450	0.491	0.484	0.460	
Biased	6	-2.226	-2.416	-3.147	-2.604	
	7	-1.287	-0.303	-2.316	-1.065	
	8	-0.037	0.050	-0.181	0.270	
	24	0.470	0.887	1.711	1.531	
	25	0.114	-0.448	-0.589	-1.061	
	Min	-2.226	-2.416	-3.147	-2.604	
	Max	0.470	0.887	1.711	1.531	
Average	-0.593	-0.446	-0.904	-0.586		
UnBiased	4	-2.016	-5.890	-10.032	-15.917	
	5	1.918	0.741	-0.176	-3.444	
	21	1.146	0.564	1.356	4.269	
	22	-0.488	-1.021	-2.989	-6.747	
	23	-0.601	-4.488	-5.669	-10.050	
	Min	-2.016	-5.890	-10.032	-15.917	
	Max	1.918	0.741	1.356	4.269	
Average	-0.008	-2.019	-3.502	-6.378		



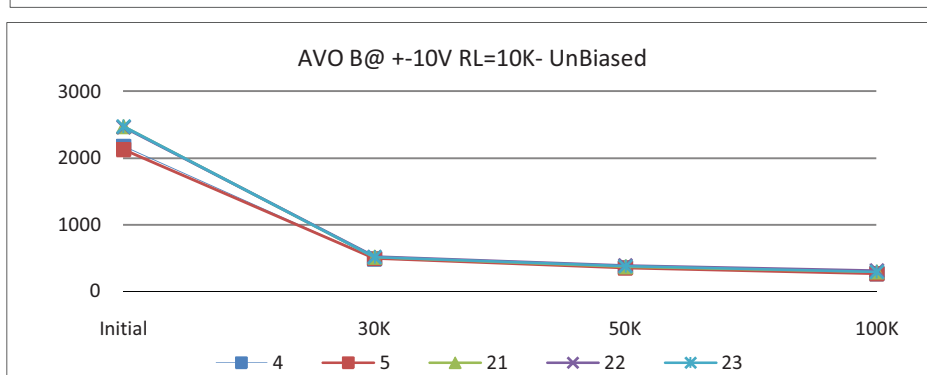
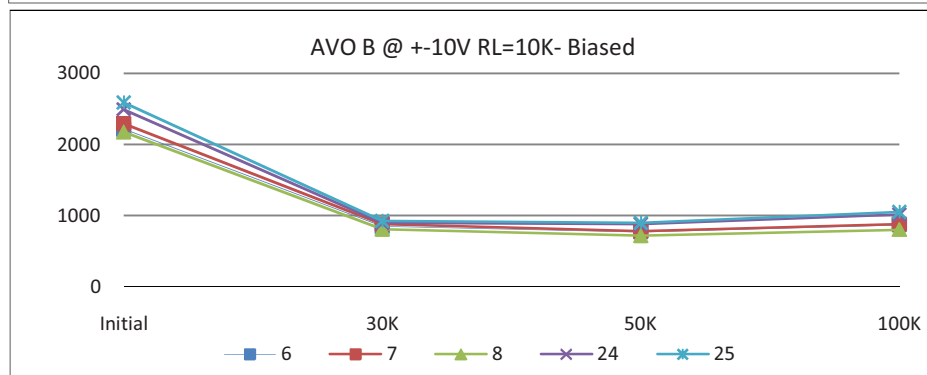
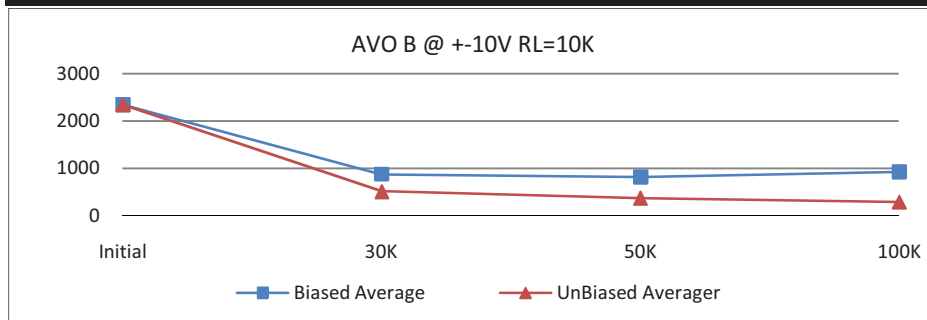
		T# 20	IOS D				nA
		SN	Initial	30K	50K	100K	Limit
Control	3		-1.349	-1.397	-1.430	-1.413	+/-50
	20		0.153	0.059	0.125	0.112	
Biased	6		-0.849	0.181	-1.521	-0.650	
	7		-1.481	-1.064	-1.695	-2.412	
	8		-0.563	0.362	-0.378	-1.203	
	24		-0.565	-0.576	-1.100	-0.993	
	25		0.060	0.858	0.064	-0.041	
	Min		-1.481	-1.064	-1.695	-2.412	
	Max		0.060	0.858	0.064	-0.041	
Average		-0.680	-0.048	-0.926	-1.060		
UnBiased	4		-1.864	-4.082	-5.016	-9.632	
	5		-1.623	-4.676	-5.872	-6.569	
	21		0.160	0.242	-1.013	-3.341	
	22		-0.637	-3.019	-4.571	-8.369	
	23		-0.723	-2.047	-1.672	-5.729	
	Min		-1.864	-4.676	-5.872	-9.632	
	Max		0.160	0.242	-1.013	-3.341	
Average		-0.937	-2.716	-3.629	-6.728		



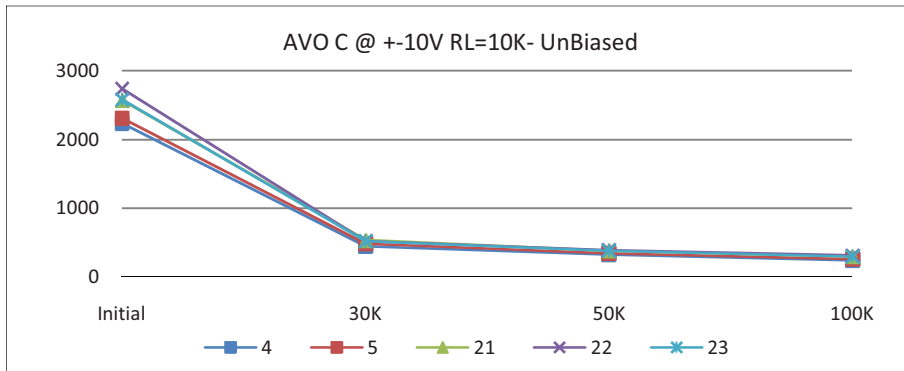
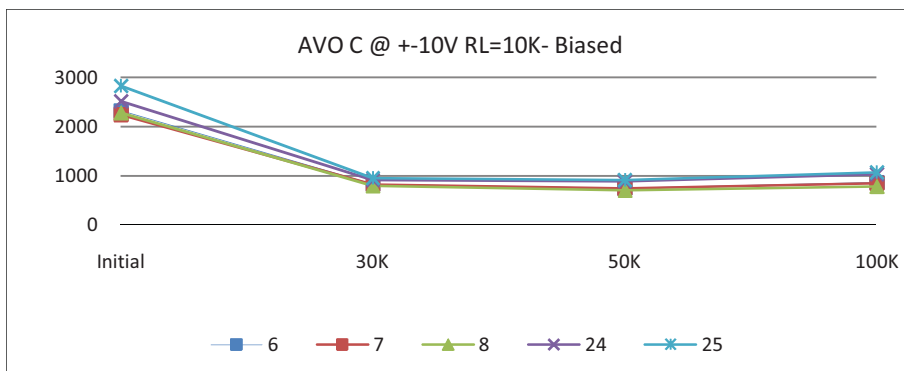
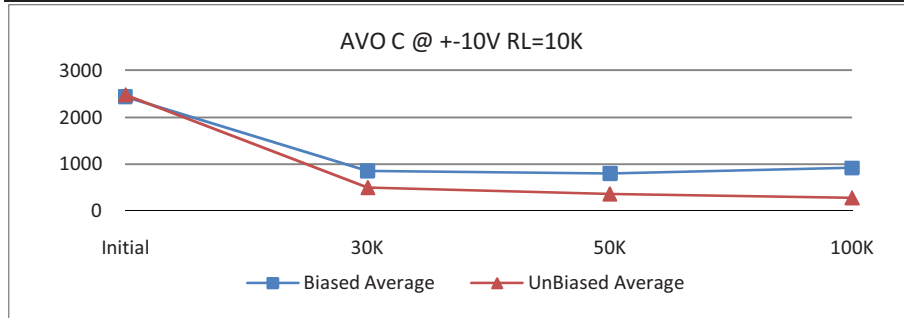
		T# 25	AVO A @ +10V RL=10K				V/mV
		SN	Initial	30K	50K	100K	Limit
Control	3	2214.906	2180.350	2247.176	2211.383		>100
	20	2389.477	2447.400	2381.987	2376.860		
Biased	6	2280.163	847.545	764.889	878.372		
	7	2154.545	869.377	785.053	878.435		
	8	2239.106	812.339	721.393	799.977		
	24	2535.298	899.628	878.772	1022.290		
	25	2521.010	916.689	877.805	1021.977		
	Min	2154.545	812.339	721.393	799.977		
	Max	2535.298	916.689	878.772	1022.290		
Average	2346.024	869.116	805.582	920.210			
UnBiased	4	2328.948	482.532	345.709	257.478		
	5	2192.140	503.547	364.768	272.711		
	21	2414.960	517.081	368.891	290.677		
	22	2530.226	523.844	396.190	312.155		
	23	2472.082	521.625	377.499	296.183		
	Min	2192.140	482.532	345.709	257.478		
	Max	2530.226	523.844	396.190	312.155		
Average	2387.671	509.726	370.611	285.841			



		T# 26	AVO B @ +-10V RL=10K				V/mV
		SN	Initial	30K	50K	100K	Limit
Control	3	2188.348	2210.034	2204.375	2170.691		>100
	20	2447.507	2422.672	2444.844	2443.671		
Biased	6	2210.235	844.521	769.735	869.462		
	7	2290.127	879.358	782.892	878.603		
	8	2176.404	808.918	714.787	802.234		
	24	2492.236	899.827	877.952	1011.691		
	25	2585.692	926.131	894.454	1052.559		
	Min	2176.404	808.918	714.787	802.234		
	Max	2585.692	926.131	894.454	1052.559		
Average	2350.939	871.751	807.964	922.910			
UnBiased	4	2176.404	488.879	355.932	267.234		
	5	2122.507	490.434	348.308	260.763		
	21	2475.085	511.159	371.122	291.247		
	22	2463.781	519.145	391.861	314.575		
	23	2472.249	515.823	375.490	294.101		
	Min	2122.507	488.879	348.308	260.763		
	Max	2475.085	519.145	391.861	314.575		
Average	2342.005	505.088	368.543	285.584			



T# 27		AVO C @ +-10V RL=10K				V/mV
SN		Initial	30K	50K	100K	Limit
Control	3	2453.728	2390.781	2418.893	2452.164	>100
	20	2383.887	2426.357	2368.913	2346.606	
Biased	6	2321.431	820.533	742.956	857.452	
	7	2236.103	823.092	738.365	843.882	
	8	2283.428	797.558	705.225	784.144	
	24	2518.069	905.781	877.070	1024.117	
	25	2822.217	948.323	905.269	1069.683	
	Min	2236.103	797.558	705.225	784.144	
	Max	2822.217	948.323	905.269	1069.683	
Average	2436.250	859.057	793.777	915.856		
UnBiased	4	2231.343	445.987	321.084	241.522	
	5	2304.225	482.672	339.956	255.271	
	21	2573.177	532.474	378.750	297.227	
	22	2733.675	516.244	387.613	308.930	
	23	2580.780	520.072	375.655	296.322	
	Min	2231.343	445.987	321.084	241.522	
	Max	2733.675	532.474	387.613	308.930	
Average	2484.640	499.490	360.612	279.854		



	T# 28	AVO D @ +-10V RL=10K				V/mV
	SN	Initial	30K	50K	100K	Limit
Control	3	2332.353	2347.488	2355.983	2292.211	>100
	20	2649.372	2629.478	2677.902	2719.152	
Biased	6	2349.984	864.175	789.632	898.001	
	7	2418.941	899.407	795.436	898.309	
	8	2291.415	814.648	720.303	817.919	
	24	2687.020	929.604	908.970	1049.547	
	25	2605.342	929.180	896.049	1043.428	
	Min	2291.415	814.648	720.303	817.919	
	Max	2687.020	929.604	908.970	1049.547	
Average	2470.540	887.403	822.078	941.441		
UnBiased	4	2379.711	469.785	336.507	249.088	
	5	2231.614	492.349	345.114	257.030	
	21	2692.937	531.379	379.522	296.317	
	22	2632.262	519.211	385.463	309.629	
	23	2753.993	536.405	385.678	300.518	
	Min	2231.614	469.785	336.507	249.088	
	Max	2753.993	536.405	385.678	309.629	
Average	2538.103	509.826	366.457	282.516		

