

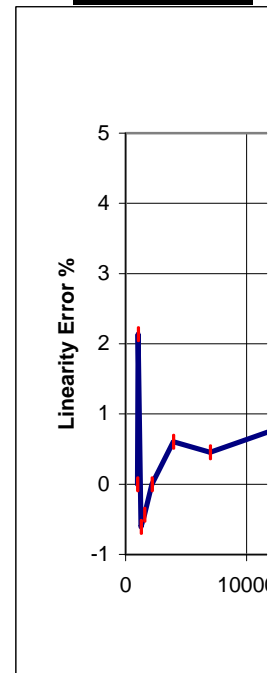
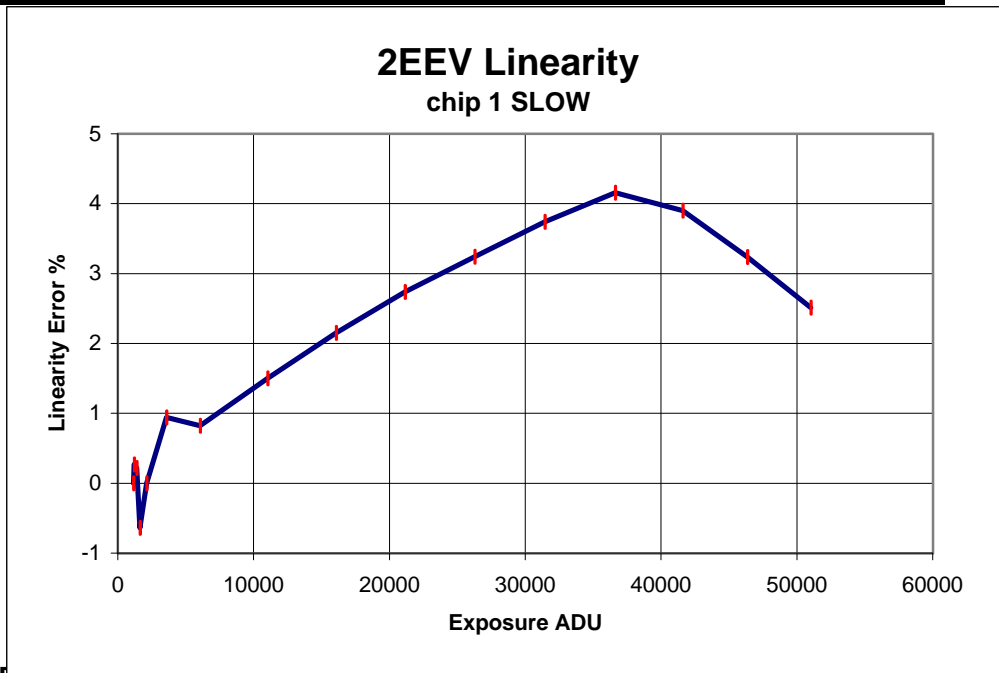
2EEV Camera : linearity check

June 4th 01

SMT ING

Slow speed

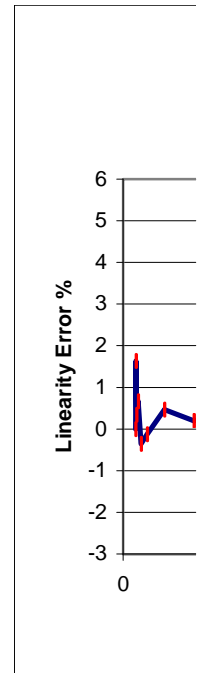
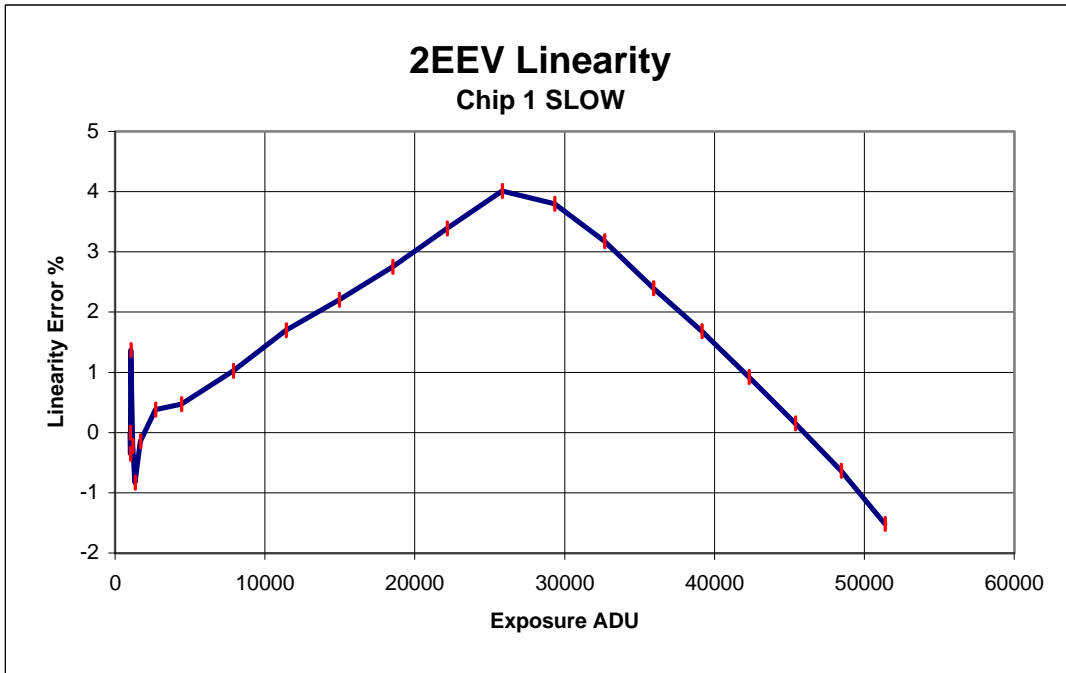
exposure	chip1 bias	chip 1 signal	net signal	signal per unit exposure	error	chip 2 bias
0	1152	1152	0		0	979
0.00082	1153	1193	40	48780.4878	0.26821748	979
0.00482	1152	1387	235	48755.18672	0.21621114	979
0.00964	1153	1619	466	48340.24896	-0.63669278	979
0.02	1153	2126	973	48650	0	979
0.0494	1153	3579	2426	49109.31174	0.94411458	979
0.1	1153	6058	4905	49050	0.82219938	979
0.2	1153	11029	9876	49380	1.50051387	979
0.3	1153	16062	14909	49696.66667	2.15142172	979
0.4	1154	21147	19993	49982.5	2.7389517	979
0.5	1154	26267	25113	50226	3.23946557	979
0.6	1154	31436	30282	50470	3.74100719	979
0.7	1154	36625	35471	50672.85714	4.15797974	980
0.8	1155	41594	40439	50548.75	3.9028777	980
0.9	1154	46356	45202	50224.44444	3.23626813	980
1	1154	51027	49873	49873	2.51387461	980



Fast Speed

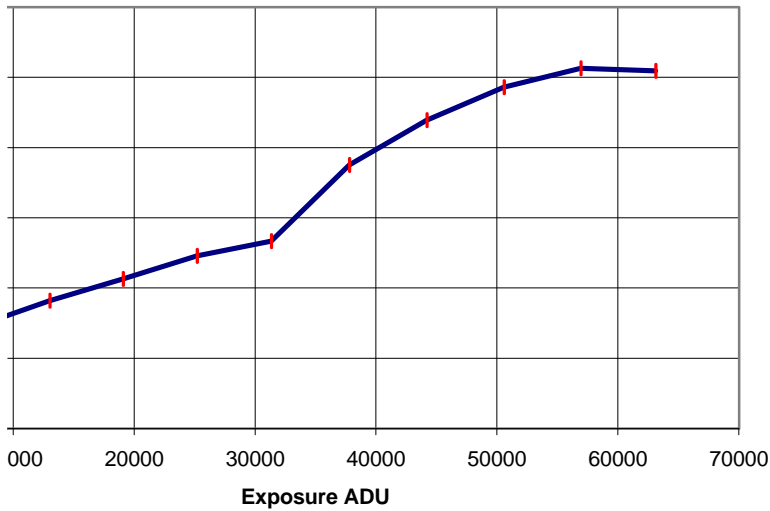
exposure	chip1 bias	chip 1 signal	net signal	signal per unit exposure	error	chip 2 bias
0	1001	1001	0		0	860
0.000824	1002	1030	28	33980.58252	-0.35019788	860
0.00162	1001	1057	56	34567.90123	1.37214438	860
0.00482	1001	1165	164	34024.89627	-0.22024556	860
0.00964	1003	1329	326	33817.42739	-0.82865869	862
0.02	1003	1684	681	34050	-0.14662757	861
0.0494	1003	2694	1691	34230.76923	0.38348748	862
0.1	1003	4429	3426	34260	0.46920821	862
0.2	1001	7891	6890	34450	1.02639296	861
0.3	1001	11405	10404	34680	1.70087977	861
0.4	1002	14943	13941	34852.5	2.20674487	861
0.5	1002	18521	17519	35038	2.75073314	862

0.6	1002	22156	21154	35256.66667	3.39198436	861
0.7	1003	25830	24827	35467.14286	4.00921659	861
0.8	1003	29320	28317	35396.25	3.80131965	862
0.9	1003	32668	31665	35183.33333	3.1769306	862
1	1002	35919	34917	34917	2.39589443	861
1.1	1003	39144	38141	34673.63636	1.68221808	862
1.2	1003	42301	41298	34415	0.92375367	862
1.3	1002	45399	44397	34151.53846	0.15113918	861
1.4	1003	48441	47438	33884.28571	-0.63259321	861
1.5	1003	51378	50375	33583.33333	-1.51515152	861



chip 2 signal	net signal	signal per unit exposure	error
979	0		0
1029	50	60975.60976	2.136699759
1265	286	59336.09959	-0.609548434
1552	573	59439.83402	-0.435788903
2173	1194	59700	0
3946	2967	60060.72874	0.604235754
6976	5997	59970	0.452261307
13017	12038	60190	0.820770519
19091	18112	60373.33333	1.12786153
25207	24228	60570	1.457286432
31327	30348	60696	1.668341709
37785	36806	61343.33333	2.75265215
44187	43207	61724.28571	3.390763341
50583	49603	62003.75	3.858877722
56928	55948	62164.44444	4.128047646
63124	62144	62144	4.093802345

2EEV Linearity
chip 2 SLOW



chip 2 signal	net signal	signal per unit exposure	error
860	0		0
894	34	41262.13592	1.630876656
926	66	40740.74074	0.346652071
1057	197	40871.36929	0.668397277
1252	390	40456.43154	-0.353616908
1672	811	40550	-0.123152709
2877	2015	40789.47368	0.466683951
4930	4068	40680	0.197044335
9025	8164	40820	0.541871921
13150	12289	40963.33333	0.894909688
17297	16436	41090	1.206896552
21474	20612	41224	1.536945813

25927	25066	41776.66667	2.89819376
30338	29477	42110	3.719211823
34737	33875	42343.75	4.294950739
39095	38233	42481.11111	4.633278599
43312	42451	42451	4.5591133
47345	46483	42257.27273	4.08195253
51800	50938	42448.33333	4.552545156
52900	52039	40030	-1.403940887
53300	52439	37456.42857	-7.74278677
53498	52637	35091.33333	-13.5681445

2EEV Linearity Chip 2 SLOW

