

GOMOS Daily Report 30-APR-2010

Level 0 and Level 1 products

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This report presents the daily analysis on parameters extracted from GOMOS level 1b data (GOM_TRA_1P). It is intended to monitor some important parameters that will impact the quality of the level 2 products as the Spectrometers and Photometers CCD Temperatures and Dark Charge, SATU noise equivalent angle... A list of level 0 products (and content) that have arrived during the actual month to the PCF is also given.

Item	Value
Time of report generation	03MAY2010 04:52:01
Data source version	GOMOS/5.00L04
Start time of products	30APR2010 00:02:47
Stop time of products	30APR2010 23:58:00
Store outputs in DB	Yes
Nb of level 1b prods	119
Nb of prods with errors	1

2. Summary of products arrived in PCF (Product Control Facility)

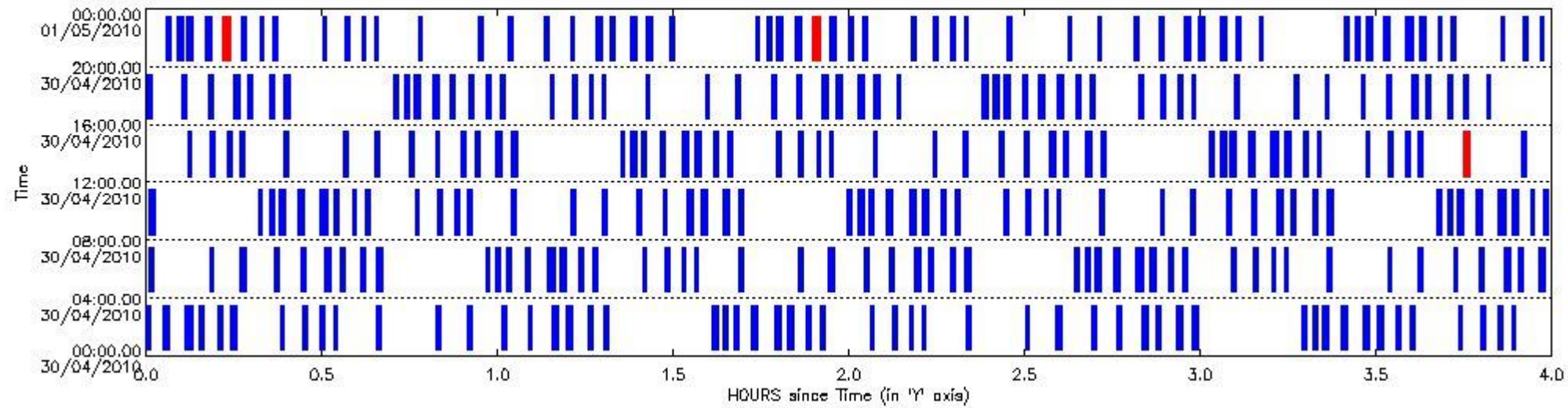
2.1 Level 0 products arrived in PCF (see template [here](#))

2.2 Plot of mission plan versus Level 0 production arrived in PCF during reporting period

Red segments are missing products.

Blue segments are available products.

Green segments are calibration measurements (not available products to users).



2.3 Summary of missing occultations (red segments in previous plot)

UTC start time	Star name	Star ID	Orbit
30-APR-2010 15:44:47	14EtaDra	119	42693
30-APR-2010 20:13:06	23TauSco	136	42696
30-APR-2010 21:53:43	23TauSco	136	42697

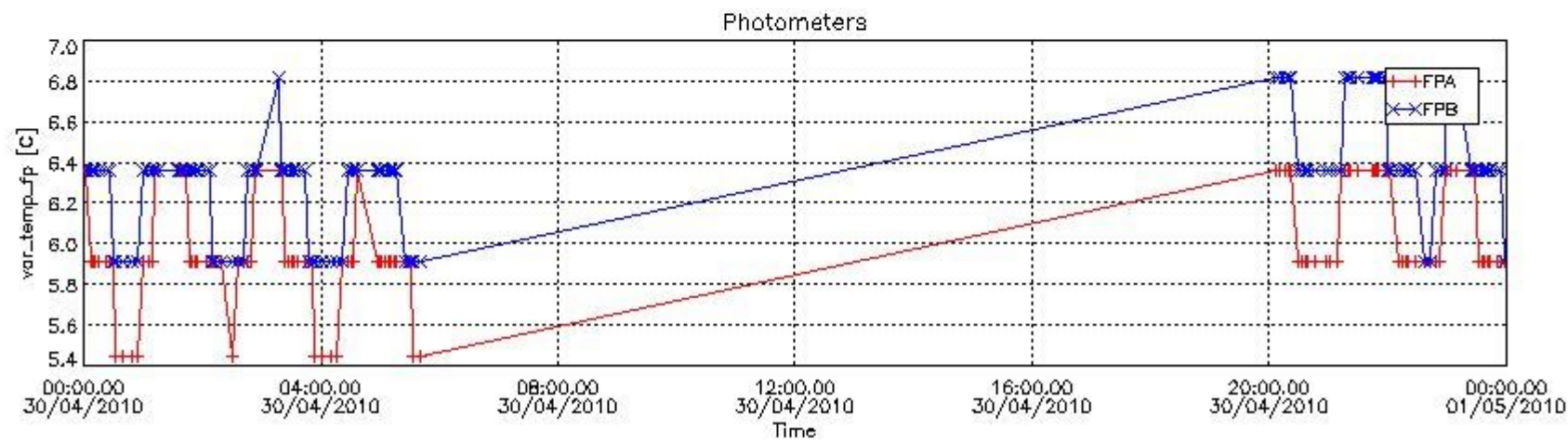
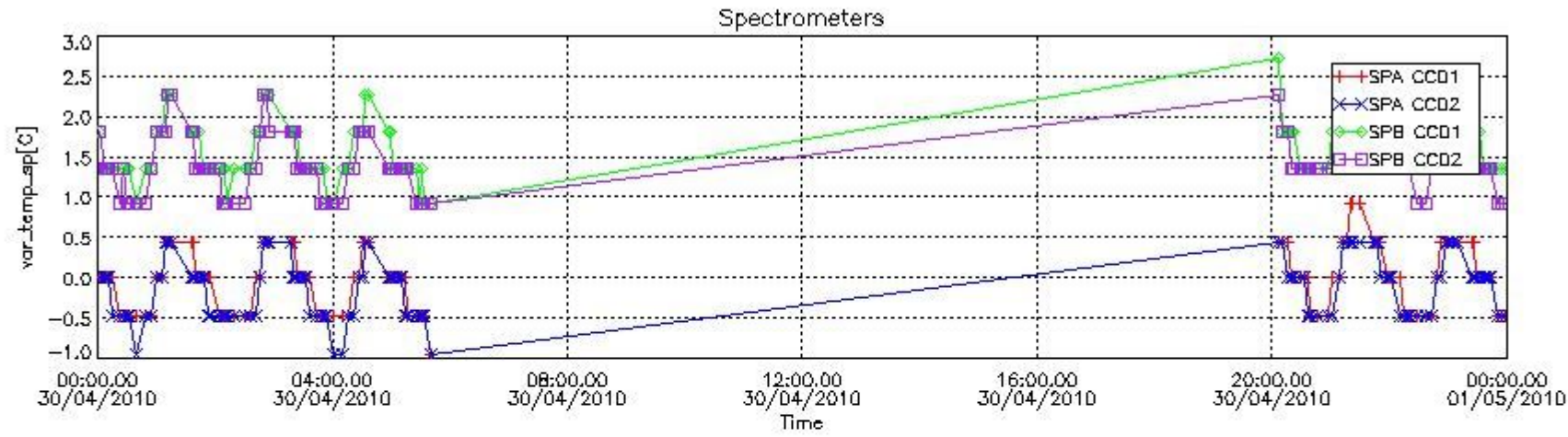
2.4 Summary of processed GOM_TRA_1P products

Nr	Filename	UTC Start time	Limb	Duration	Star Id	Star Name	Star Mag	Star Temp	Nb Meas	Orbit	Prod. error
1	GOM_TRA_1PNPDE20100430_000247_000000632089_00045_42684_7595.N1	30-APR-2010 00:02:47	Straylight	62.500	75	26Eps Sco	2.2910	4250.0	125	42684	No
2	GOM_TRA_1PNPDE20100430_000636_000000792089_00045_42684_7596.N1	30-APR-2010 00:06:36	Twilight_stray	78.500	16	21Alp Sco	1.0200	3000.0	157	42684	No
3	GOM_TRA_1PNPDE20100430_000855_000000622089_00045_42684_7597.N1	30-APR-2010 00:08:55	Twilight_stray	61.500	80	7Del Sco	2.3160	30000.	123	42684	No
4	GOM_TRA_1PNPDE20100430_001208_000000472089_00045_42684_7598.N1	30-APR-2010 00:12:08	Bright	47.000	122	9Alp2Lib	2.7470	9700.0	94	42684	No
5	GOM_TRA_1PNPDE20100430_001429_000000512089_00045_42684_7599.N1	30-APR-2010 00:14:29	Bright	51.000	104	27Bet Lib	2.6140	13100.	102	42684	No
6	GOM_TRA_1PNPDE20100430_002256_000000392089_00045_42684_7600.N1	30-APR-2010 00:22:56	Bright	39.000	111	8Eta Boo	2.6800	6000.0	78	42684	No
7	GOM_TRA_1PNPDE20100430_002645_000000502089_00045_42684_7601.N1	30-APR-2010 00:26:45	Bright	49.500	83		2.3780	11000.	99	42684	No
8	GOM_TRA_1PNPDE20100430_002944_000000432089_00045_42684_7602.N1	30-APR-2010 00:29:44	Bright	42.500	180	27Gam Boo	3.0400	8000.0	85	42684	No

9	GOM_TRA_1PNPDE20100430_003154_000000402089_00045_42684_7603.N1	30-APR-2010 00:31:54	Bright	40.000	39	85Eta UMa	1.8540	24000.	80	42684	No
10	GOM_TRA_1PNPDE20100430_003920_000000472089_00045_42684_7604.N1	30-APR-2010 00:39:20	Bright	47.000	119	14Eta Dra	2.7270	4700.0	94	42684	No
11	GOM_TRA_1PNPDE20100430_004933_000000432089_00045_42684_7605.N1	30-APR-2010 00:49:33	Bright	43.000	89	5Alp Cep	2.4510	8000.0	86	42684	No
12	GOM_TRA_1PNPDE20100430_005445_000000582089_00045_42684_7606.N1	30-APR-2010 00:54:45	Bright	58.000	19	50Alp Cyg	1.2460	10500.	116	42684	No
13	GOM_TRA_1PNPDE20100430_010045_000000472089_00045_42684_7607.N1	30-APR-2010 01:00:45	Bright	47.000	164	44Eta Peg	2.9480	5400.0	94	42684	No
14	GOM_TRA_1PNPDE20100430_010508_000000452089_00045_42684_7608.N1	30-APR-2010 01:05:08	Twilight	45.000	90	54Alp Peg	2.4870	11000.	90	42684	No
15	GOM_TRA_1PNPDE20100430_010919_000000682089_00045_42684_7609.N1	30-APR-2010 01:09:19	Dark	68.000	61	8Eps Peg	2.1000	3900.0	136	42684	No
16	GOM_TRA_1PNPDE20100430_011145_000000552089_00045_42684_7610.N1	30-APR-2010 01:11:45	Dark	55.000	162	34Alp Aqr	2.9440	5350.0	110	42684	No
17	GOM_TRA_1PNPDE20100430_011521_000000562089_00045_42684_7623.N1	30-APR-2010 01:15:21	Dark	56.000	154	22Bet Aqr	2.8990	5700.0	112	42684	No
18	GOM_TRA_1PNPDE20100430_013642_000000532089_00046_42685_7624.N1	30-APR-2010 01:36:42	Straylight	52.500	141	Bet Ara	2.8400	4600.0	105	42685	No
19	GOM_TRA_1PNPDE20100430_013829_000000532089_00046_42685_7625.N1	30-APR-2010 01:38:29	Straylight	53.000	40	The Sco	1.8590	7100.0	106	42685	No
20	GOM_TRA_1PNPDE20100430_014013_000000592089_00046_42685_7626.N1	30-APR-2010 01:40:13	Straylight	58.500	25	35Lam Sco	1.6200	28000.	117	42685	No
21	GOM_TRA_1PNPDE20100430_014324_000000612089_00046_42685_7627.N1	30-APR-2010 01:43:24	Straylight	60.500	75	26Eps Sco	2.2910	4250.0	121	42685	No
22	GOM_TRA_1PNPDE20100430_014713_000000722089_00046_42685_7628.N1	30-APR-2010 01:47:13	Twilight	71.500	16	21Alp Sco	1.0200	3000.0	143	42685	No
23	GOM_TRA_1PNPDE20100430_014931_000000612089_00046_42685_7629.N1	30-APR-2010 01:49:31	Twilight	60.500	80	7Del Sco	2.3160	30000.	121	42685	No
24	GOM_TRA_1PNPDE20100430_015244_000000482089_00046_42685_7630.N1	30-APR-2010 01:52:44	Bright	47.500	122	9Alp2Lib	2.7470	9700.0	95	42685	No
25	GOM_TRA_1PNPDE20100430_015505_000000512089_00046_42685_7631.N1	30-APR-2010 01:55:05	Bright	50.500	104	27Bet Lib	2.6140	13100.	101	42685	No
26	GOM_TRA_1PNPDE20100430_020332_000000412089_00046_42685_7632.N1	30-APR-2010 02:03:32	Bright	41.000	111	8Eta Boo	2.6800	6000.0	82	42685	No
27	GOM_TRA_1PNPDE20100430_020720_000000482089_00046_42685_7633.N1	30-APR-2010 02:07:20	Bright	48.000	83		2.3780	11000.	96	42685	No
28	GOM_TRA_1PNPDE20100430_021019_000000422089_00046_42685_7634.N1	30-APR-2010 02:10:19	Bright	42.000	180	27Gam Boo	3.0400	8000.0	84	42685	No
29	GOM_TRA_1PNPDE20100430_021230_000000402089_00046_42685_7635.N1	30-APR-2010 02:12:30	Bright	39.500	39	85Eta UMa	1.8540	24000.	79	42685	No
30	GOM_TRA_1PNPDE20100430_021956_000000452089_00046_42685_7636.N1	30-APR-2010 02:19:56	Bright	45.000	119	14Eta Dra	2.7270	4700.0	90	42685	No
31	GOM_TRA_1PNPDE20100430_023009_000000422089_00046_42685_7637.N1	30-APR-2010 02:30:09	Bright	41.500	89	5Alp Cep	2.4510	8000.0	83	42685	No
32	GOM_TRA_1PNPDE20100430_023521_000000642089_00046_42685_7638.N1	30-APR-2010 02:35:21	Bright	64.000	19	50Alp Cyg	1.2460	10500.	128	42685	No
33	GOM_TRA_1PNPDE20100430_024121_000000472089_00046_42685_7639.N1	30-APR-2010 02:41:21	Bright	46.500	164	44Eta Peg	2.9480	5400.0	93	42685	No
34	GOM_TRA_1PNPDE20100430_024545_000000462089_00046_42685_7640.N1	30-APR-2010 02:45:45	Twilight	45.500	90	54Alp Peg	2.4870	11000.	91	42685	No
35	GOM_TRA_1PNPDE20100430_024955_000000652089_00046_42685_7641.N1	30-APR-2010 02:49:55	Dark	65.000	61	8Eps Peg	2.1000	3900.0	130	42685	No
36	GOM_TRA_1PNPDE20100430_025222_000000542089_00046_42685_7642.N1	30-APR-2010 02:52:22	Dark	53.500	162	34Alp Aqr	2.9440	5350.0	107	42685	No
37	GOM_TRA_1PNPDE20100430_025558_000000592089_00046_42685_7643.N1	30-APR-2010 02:55:58	Dark	59.000	154	22Bet Aqr	2.8990	5700.0	118	42685	No
38	GOM_TRA_1PNPDE20100430_031718_000000432089_00047_42686_7644.N1	30-APR-2010 03:17:18	Straylight	42.500	141	Bet Ara	2.8400	4600.0	85	42686	No
39	GOM_TRA_1PNPDE20100430_031905_000000502089_00047_42686_7645.N1	30-APR-2010 03:19:05	Straylight	50.000	40	The Sco	1.8590	7100.0	100	42686	No
40	GOM_TRA_1PNPDE20100430_032049_000000642089_00047_42686_7646.N1	30-APR-2010 03:20:49	Straylight	64.000	25	35Lam Sco	1.6200	28000.	128	42686	No
41	GOM_TRA_1PNPDE20100430_032401_000000642089_00047_42686_7647.N1	30-APR-2010 03:24:01	Straylight	64.000	75	26Eps Sco	2.2910	4250.0	128	42686	No
42	GOM_TRA_1PNPDE20100430_032749_000000692089_00047_42686_7648.N1	30-APR-2010 03:27:49	Twilight	69.000	16	21Alp Sco	1.0200	3000.0	138	42686	No
43	GOM_TRA_1PNPDE20100430_033007_000000642089_00047_42686_7649.N1	30-APR-2010 03:30:07	Twilight	63.500	80	7Del Sco	2.3160	30000.	127	42686	No
44	GOM_TRA_1PNPDE20100430_033320_000000552089_00047_42686_7650.N1	30-APR-2010 03:33:20	Bright	54.500	122	9Alp2Lib	2.7470	9700.0	109	42686	No
45	GOM_TRA_1PNPDE20100430_033541_000000492089_00047_42686_7651.N1	30-APR-2010 03:35:41	Bright	48.500	104	27Bet Lib	2.6140	13100.	97	42686	No
46	GOM_TRA_1PNPDE20100430_034408_000000392089_00047_42686_7652.N1	30-APR-2010 03:44:08	Bright	38.500	111	8Eta Boo	2.6800	6000.0	77	42686	No
47	GOM_TRA_1PNPDE20100430_034755_000000482089_00047_42686_7653.N1	30-APR-2010 03:47:55	Bright	48.000	83		2.3780	11000.	96	42686	No
48	GOM_TRA_1PNPDE20100430_035055_000000422089_00047_42686_7654.N1	30-APR-2010 03:50:55	Bright	42.000	180	27Gam Boo	3.0400	8000.0	84	42686	No
49	GOM_TRA_1PNPDE20100430_035306_000000402089_00047_42686_7655.N1	30-APR-2010 03:53:06	Bright	39.500	39	85Eta UMa	1.8540	24000.	79	42686	No
50	GOM_TRA_1PNPDE20100430_040031_000000462089_00047_42686_7658.N1	30-APR-2010 04:00:31	Bright	45.500	119	14Eta Dra	2.7270	4700.0	91	42686	No
51	GOM_TRA_1PNPDE20100430_041044_000000432089_00047_42686_7659.N1	30-APR-2010 04:10:44	Bright	43.000	89	5Alp Cep	2.4510	8000.0	86	42686	No
52	GOM_TRA_1PNPDE20100430_041557_000000602089_00047_42686_7660.N1	30-APR-2010 04:15:57	Bright	60.000	19	50Alp Cyg	1.2460	10500.	120	42686	No
53	GOM_TRA_1PNPDE20100430_042158_000000462089_00047_42686_7661.N1	30-APR-2010 04:21:58	Bright	46.000	164	44Eta Peg	2.9480	5400.0	92	42686	No
54	GOM_TRA_1PNPDE20100430_042621_000000462089_00047_42686_7662.N1	30-APR-2010 04:26:21	Twilight	45.500	90	54Alp Peg	2.4870	11000.	91	42686	No
55	GOM_TRA_1PNPDE20100430_043032_000000632089_00047_42686_7663.N1	30-APR-2010 04:30:32	Dark	62.500	61	8Eps Peg	2.1000	3900.0	125	42686	No
56	GOM_TRA_1PNPDE20100430_043258_000000552089_00047_42686_7664.N1	30-APR-2010 04:32:58	Dark	55.000	162	34Alp Aqr	2.9440	5350.0	110	42686	No
57	GOM_TRA_1PNPDE20100430_043636_000000552089_00047_42686_7665.N1	30-APR-2010 04:36:36	Dark	55.000	154	22Bet Aqr	2.8990	5700.0	110	42686	No
58	GOM_TRA_1PNPDE20100430_045755_000000462089_00048_42687_7666.N1	30-APR-2010 04:57:55	Straylight	46.000	141	Bet Ara	2.8400	4600.0	92	42687	No
59	GOM_TRA_1PNPDE20100430_045942_000000512089_00048_42687_7667.N1	30-APR-2010 04:59:42	Straylight	50.500	40	The Sco	1.8590	7100.0	101	42687	No
60	GOM_TRA_1PNPDE20100430_050126_000000572089_00048_42687_7668.N1	30-APR-2010 05:01:26	Straylight	56.500	25	35Lam Sco	1.6200	28000.	113	42687	No
61	GOM_TRA_1PNPDE20100430_050437_000000612089_00048_42687_7669.N1	30-APR-2010 05:04:37	Straylight	60.500	75	26Eps Sco	2.2910	4250.0	121	42687	No
62	GOM_TRA_1PNPDE20100430_050826_000000782089_00048_42687_7670.N1	30-APR-2010 05:08:26	Twilight	77.500	16	21Alp Sco	1.0200	3000.0	155	42687	No
63	GOM_TRA_1PNPDE20100430_051043_000000622089_00048_42687_7671.N1	30-APR-2010 05:10:43	Twilight	62.000	80	7Del Sco	2.3160	30000.	124	42687	No
64	GOM_TRA_1PNPDE20100430_051357_000000462089_00048_42687_7672.N1	30-APR-2010 05:13:57	Bright	46.000	122	9Alp2Lib	2.7470	9700.0	92	42687	No
65	GOM_TRA_1PNPDE20100430_051617_000000492089_00048_42687_7673.N1	30-APR-2010 05:16:17	Bright	48.500	104	27Bet Lib	2.6140	13100.	97	42687	No
66	GOM_TRA_1PNPDE20100430_052443_000000412089_00048_42687_7674.N1	30-APR-2010 05:24:43	Bright	40.500	111	8Eta Boo	2.6800	6000.0	81	42687	No
67	GOM_TRA_1PNPDE20100430_052831_000000482089_00048_42687_7675.N1	30-APR-2010 05:28:31	Bright	48.000	83		2.3780	11000.	96	42687	No

68	GOM_TRA_1PNPDE20100430_053130_000000402089_00048_42687_7676.N1	30-APR-2010 05:31:30	Bright	40.000	180	27Gam Boo	3.0400	8000.0	80	42687	No
69	GOM_TRA_1PNPDE20100430_053341_000000362089_00048_42687_7677.N1	30-APR-2010 05:33:41	Bright	36.000	39	85Eta UMa	1.8540	24000.	72	42687	No
70	GOM_TRA_1PNPDE20100430_054107_000000442089_00048_42687_7678.N1	30-APR-2010 05:41:07	Bright	44.000	119	14Eta Dra	2.7270	4700.0	88	42687	No
71	GOM_TRA_1PNPDE20100430_200659_000000622089_00057_42696_7767.N1	30-APR-2010 20:06:59	Straylight	61.500	25	35Lam Sco	1.6200	28000.	123	42696	Yes
72	GOM_TRA_1PNPDE20100430_201008_000000622089_00057_42696_7768.N1	30-APR-2010 20:10:08	Straylight	61.500	75	26Eps Sco	2.2910	4250.0	123	42696	No
73	GOM_TRA_1PNPDE20100430_201610_000000582089_00057_42696_7769.N1	30-APR-2010 20:16:10	Twilight	58.000	80	7Del Sco	2.3160	30000.	116	42696	No
74	GOM_TRA_1PNPDE20100430_201921_000000432089_00057_42696_7770.N1	30-APR-2010 20:19:21	Bright	43.000	122	9Alp2Lib	2.7470	9700.0	86	42696	No
75	GOM_TRA_1PNPDE20100430_202139_000000502089_00057_42696_7771.N1	30-APR-2010 20:21:39	Bright	49.500	104	27Bet Lib	2.6140	13100.	99	42696	No
76	GOM_TRA_1PNPDE20100430_203005_000000392089_00057_42696_7772.N1	30-APR-2010 20:30:05	Bright	39.000	111	8Eta Boo	2.6800	6000.0	78	42696	No
77	GOM_TRA_1PNPDE20100430_203350_000000482089_00057_42696_7773.N1	30-APR-2010 20:33:50	Bright	47.500	83		2.3780	11000.	95	42696	No
78	GOM_TRA_1PNPDE20100430_203650_000000422089_00057_42696_7774.N1	30-APR-2010 20:36:50	Bright	42.000	180	27Gam Boo	3.0400	8000.0	84	42696	No
79	GOM_TRA_1PNPDE20100430_203903_000000372089_00057_42696_7775.N1	30-APR-2010 20:39:03	Bright	37.000	39	85Eta UMa	1.8540	24000.	74	42696	No
80	GOM_TRA_1PNPDE20100430_204625_000000452089_00057_42696_7776.N1	30-APR-2010 20:46:25	Bright	44.500	119	14Eta Dra	2.7270	4700.0	89	42696	No
81	GOM_TRA_1PNPDE20100430_205641_000000432089_00057_42696_7777.N1	30-APR-2010 20:56:41	Bright	43.000	89	5Alp Cep	2.4510	8000.0	86	42696	No
82	GOM_TRA_1PNPDE20100430_210153_000000372089_00057_42696_7778.N1	30-APR-2010 21:01:53	Twilight	37.000	19	50Alp Cyg	1.2460	10500.	74	42696	No
83	GOM_TRA_1PNPDE20100430_210759_000000452089_00057_42696_7779.N1	30-APR-2010 21:07:59	Bright	45.000	164	44Eta Peg	2.9480	5400.0	90	42696	No
84	GOM_TRA_1PNPDE20100430_211224_000000452089_00057_42696_7780.N1	30-APR-2010 21:12:24	Twilight	44.500	90	54Alp Peg	2.4870	11000.	89	42696	No
85	GOM_TRA_1PNPDE20100430_211639_000000662089_00057_42696_7781.N1	30-APR-2010 21:16:39	Dark	66.000	61	8Eps Peg	2.1000	3900.0	132	42696	No
86	GOM_TRA_1PNPDE20100430_211906_000000552089_00057_42696_7788.N1	30-APR-2010 21:19:06	Dark	54.500	162	34Alp Aqr	2.9440	5350.0	109	42696	No
87	GOM_TRA_1PNPDE20100430_212247_000000602089_00057_42696_7789.N1	30-APR-2010 21:22:47	Dark	60.000	154	22Bet Aqr	2.8990	5700.0	120	42696	No
88	GOM_TRA_1PNPDE20100430_212925_000000412089_00057_42696_7790.N1	30-APR-2010 21:29:25	Dark	41.000	172	Gam Gru	3.0030	13100.	82	42696	No
89	GOM_TRA_1PNPDE20100430_214401_000000422089_00058_42697_7791.N1	30-APR-2010 21:44:01	Straylight	42.000	141	Bet Ara	2.8400	4600.0	84	42697	No
90	GOM_TRA_1PNPDE20100430_214551_000000552089_00058_42697_7792.N1	30-APR-2010 21:45:51	Straylight	54.500	40	The Sco	1.8590	7100.0	109	42697	No
91	GOM_TRA_1PNPDE20100430_214736_000000602089_00058_42697_7793.N1	30-APR-2010 21:47:36	Straylight	60.000	25	35Lam Sco	1.6200	28000.	120	42697	No
92	GOM_TRA_1PNPDE20100430_215044_000000672089_00058_42697_7794.N1	30-APR-2010 21:50:44	Straylight	67.000	75	26Eps Sco	2.2910	4250.0	134	42697	No
93	GOM_TRA_1PNPDE20100430_215646_000000592089_00058_42697_7795.N1	30-APR-2010 21:56:46	Twilight	59.000	80	7Del Sco	2.3160	30000.	118	42697	No
94	GOM_TRA_1PNPDE20100430_215957_000000472089_00058_42697_7796.N1	30-APR-2010 21:59:57	Bright	46.500	122	9Alp2Lib	2.7470	9700.0	93	42697	No
95	GOM_TRA_1PNPDE20100430_220215_000000492089_00058_42697_7797.N1	30-APR-2010 22:02:15	Bright	49.000	104	27Bet Lib	2.6140	13100.	98	42697	No
96	GOM_TRA_1PNPDE20100430_221041_000000382089_00058_42697_7798.N1	30-APR-2010 22:10:41	Bright	38.000	111	8Eta Boo	2.6800	6000.0	76	42697	No
97	GOM_TRA_1PNPDE20100430_221425_000000432089_00058_42697_7799.N1	30-APR-2010 22:14:25	Bright	43.000	83		2.3780	11000.	86	42697	No
98	GOM_TRA_1PNPDE20100430_221725_000000412089_00058_42697_7800.N1	30-APR-2010 22:17:25	Bright	40.500	180	27Gam Boo	3.0400	8000.0	81	42697	No
99	GOM_TRA_1PNPDE20100430_221938_000000372089_00058_42697_7801.N1	30-APR-2010 22:19:38	Bright	37.000	39	85Eta UMa	1.8540	24000.	74	42697	No
100	GOM_TRA_1PNPDE20100430_222700_000000452089_00058_42697_7802.N1	30-APR-2010 22:27:00	Bright	44.500	119	14Eta Dra	2.7270	4700.0	89	42697	No
101	GOM_TRA_1PNPDE20100430_223716_000000432089_00058_42697_7803.N1	30-APR-2010 22:37:16	Bright	43.000	89	5Alp Cep	2.4510	8000.0	86	42697	No
102	GOM_TRA_1PNPDE20100430_224228_000000372089_00058_42697_7804.N1	30-APR-2010 22:42:28	Twilight	37.000	19	50Alp Cyg	1.2460	10500.	74	42697	No
103	GOM_TRA_1PNPDE20100430_224835_000000462089_00058_42697_7805.N1	30-APR-2010 22:48:35	Bright	45.500	164	44Eta Peg	2.9480	5400.0	91	42697	No
104	GOM_TRA_1PNPDE20100430_225300_000000452089_00058_42697_7806.N1	30-APR-2010 22:53:00	Twilight	45.000	90	54Alp Peg	2.4870	11000.	90	42697	No
105	GOM_TRA_1PNPDE20100430_225716_000000642089_00058_42697_7807.N1	30-APR-2010 22:57:16	Dark	64.000	61	8Eps Peg	2.1000	3900.0	128	42697	No
106	GOM_TRA_1PNPDE20100430_225942_000000562089_00058_42697_7808.N1	30-APR-2010 22:59:42	Dark	56.000	162	34Alp Aqr	2.9440	5350.0	112	42697	No
107	GOM_TRA_1PNPDE20100430_230324_000000632089_00058_42697_7810.N1	30-APR-2010 23:03:24	Dark	62.500	154	22Bet Aqr	2.8990	5700.0	125	42697	No
108	GOM_TRA_1PNPDE20100430_231002_000000432089_00058_42697_7811.N1	30-APR-2010 23:10:02	Dark	42.500	172	Gam Gru	3.0030	13100.	85	42697	No
109	GOM_TRA_1PNPDE20100430_232437_000000442089_00059_42698_7812.N1	30-APR-2010 23:24:37	Straylight	43.500	141	Bet Ara	2.8400	4600.0	87	42698	No
110	GOM_TRA_1PNPDE20100430_232628_000000542089_00059_42698_7813.N1	30-APR-2010 23:26:28	Straylight	53.500	40	The Sco	1.8590	7100.0	107	42698	No
111	GOM_TRA_1PNPDE20100430_232813_000000632089_00059_42698_7814.N1	30-APR-2010 23:28:13	Straylight	62.500	25	35Lam Sco	1.6200	28000.	125	42698	No
112	GOM_TRA_1PNPDE20100430_233121_000000642089_00059_42698_7815.N1	30-APR-2010 23:31:21	Straylight	64.000	75	26Eps Sco	2.2910	4250.0	128	42698	No
113	GOM_TRA_1PNPDE20100430_233507_000000792089_00059_42698_7816.N1	30-APR-2010 23:35:07	Twilight	79.000	16	21Alp Sco	1.0200	3000.0	158	42698	No
114	GOM_TRA_1PNPDE20100430_233722_000000602089_00059_42698_7817.N1	30-APR-2010 23:37:22	Twilight	60.000	80	7Del Sco	2.3160	30000.	120	42698	No
115	GOM_TRA_1PNPDE20100430_234033_000000442089_00059_42698_7818.N1	30-APR-2010 23:40:33	Bright	44.000	122	9Alp2Lib	2.7470	9700.0	88	42698	No
116	GOM_TRA_1PNPDE20100430_234251_000000502089_00059_42698_7819.N1	30-APR-2010 23:42:51	Bright	49.500	104	27Bet Lib	2.6140	13100.	99	42698	No
117	GOM_TRA_1PNPDE20100430_235116_000000402089_00059_42698_7820.N1	30-APR-2010 23:51:16	Bright	40.000	111	8Eta Boo	2.6800	6000.0	80	42698	No
118	GOM_TRA_1PNPDE20100430_235500_000000462089_00059_42698_7821.N1	30-APR-2010 23:55:00	Bright	46.000	83		2.3780	11000.	92	42698	No
119	GOM_TRA_1PNPDE20100430_235800_000000432089_00059_42698_7822.N1	30-APR-2010 23:58:00	Bright	42.500	180	27Gam Boo	3.0400	8000.0	85	42698	No

3. Plot of GOMOS spectrometers and photometers temperatures from level 1b data



4. Overview of dark signal processing per product

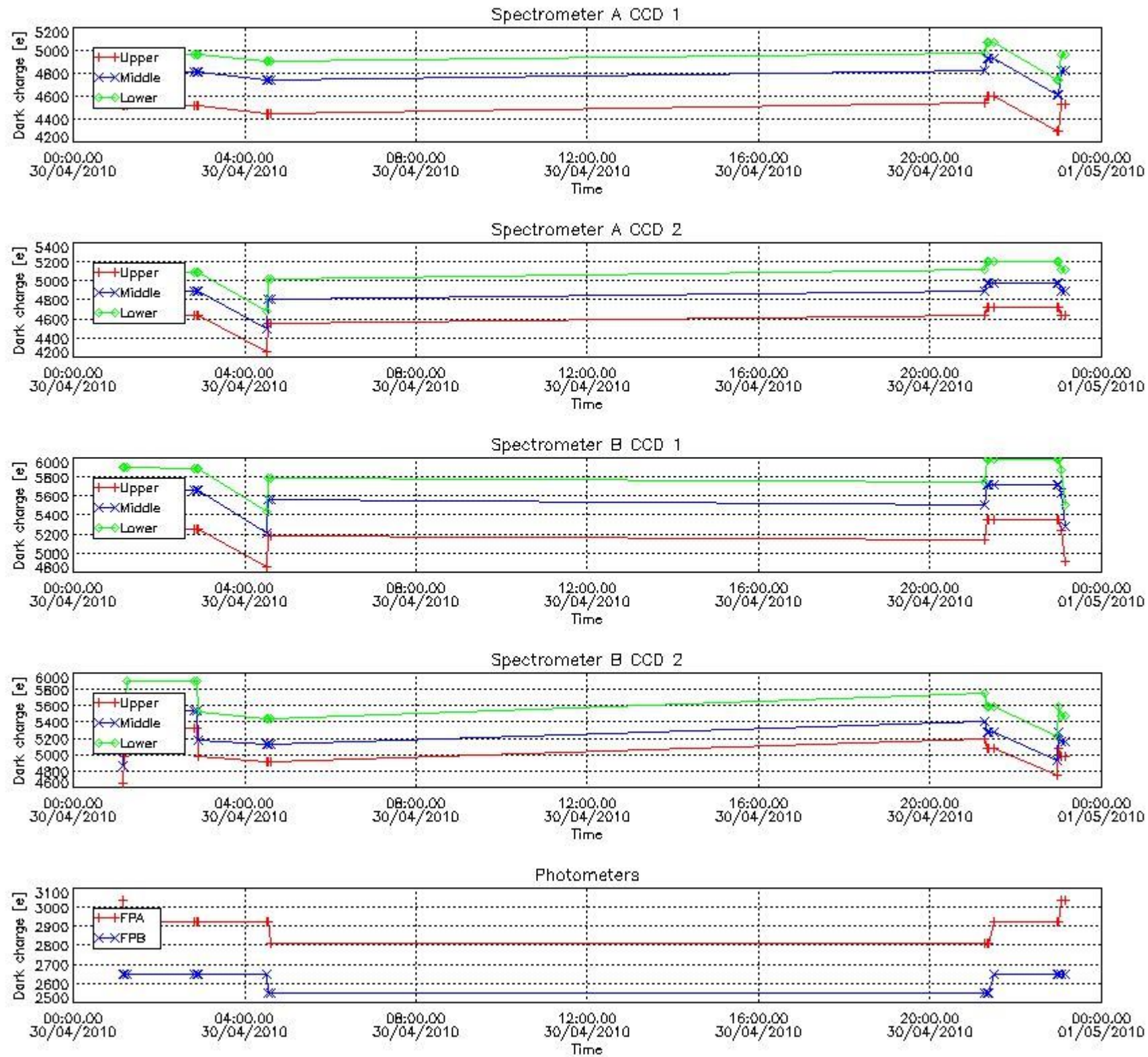
The Dark Charge (DC) is a temperature-dependant signal added to the useful measurements and it is therefore subtracted from them during the processing. There are two phenomena that produce a continuous increase of the DC: the "hot pixels" (a pixel is "hot" when its DC exceeds by a significant amount its value measured on ground at the same temperature) and the "Random Telegraphic Signal" (abrupt change positive or negative of the CCD pixel signal, random in time, affecting only the DC part of the signal and not the photon generated signal).

In this section a list of products that did not use the Dark Sky Area (DSA) observation for the DC computation is given. It is also provided the mean DC plot per product for dark limb products with no error flag set.

4.1 These products did not use the DSA observation for DC computation:

Product name	DC information
GOM_TRA_1PNPDE20100430_200659_000000622089_00057_42696_7767.N1	DC map with no T dep.
GOM_TRA_1PNPDE20100430_201008_000000622089_00057_42696_7768.N1	DC map used
GOM_TRA_1PNPDE20100430_201610_000000582089_00057_42696_7769.N1	DC map used
GOM_TRA_1PNPDE20100430_201921_000000432089_00057_42696_7770.N1	DC map used
GOM_TRA_1PNPDE20100430_202139_000000502089_00057_42696_7771.N1	DC map used
GOM_TRA_1PNPDE20100430_203005_000000392089_00057_42696_7772.N1	DC map used
GOM_TRA_1PNPDE20100430_203350_000000482089_00057_42696_7773.N1	DC map used
GOM_TRA_1PNPDE20100430_203650_000000422089_00057_42696_7774.N1	DC map used
GOM_TRA_1PNPDE20100430_203903_000000372089_00057_42696_7775.N1	DC map used
GOM_TRA_1PNPDE20100430_204625_000000452089_00057_42696_7776.N1	DC map used
GOM_TRA_1PNPDE20100430_205641_000000432089_00057_42696_7777.N1	DC map used
GOM_TRA_1PNPDE20100430_210153_000000372089_00057_42696_7778.N1	DC map used
GOM_TRA_1PNPDE20100430_210759_000000452089_00057_42696_7779.N1	DC map used
GOM_TRA_1PNPDE20100430_211224_000000452089_00057_42696_7780.N1	DC map used

4.2 Plot of mean dark charges per product: only products in DARK limb conditions without errors are used



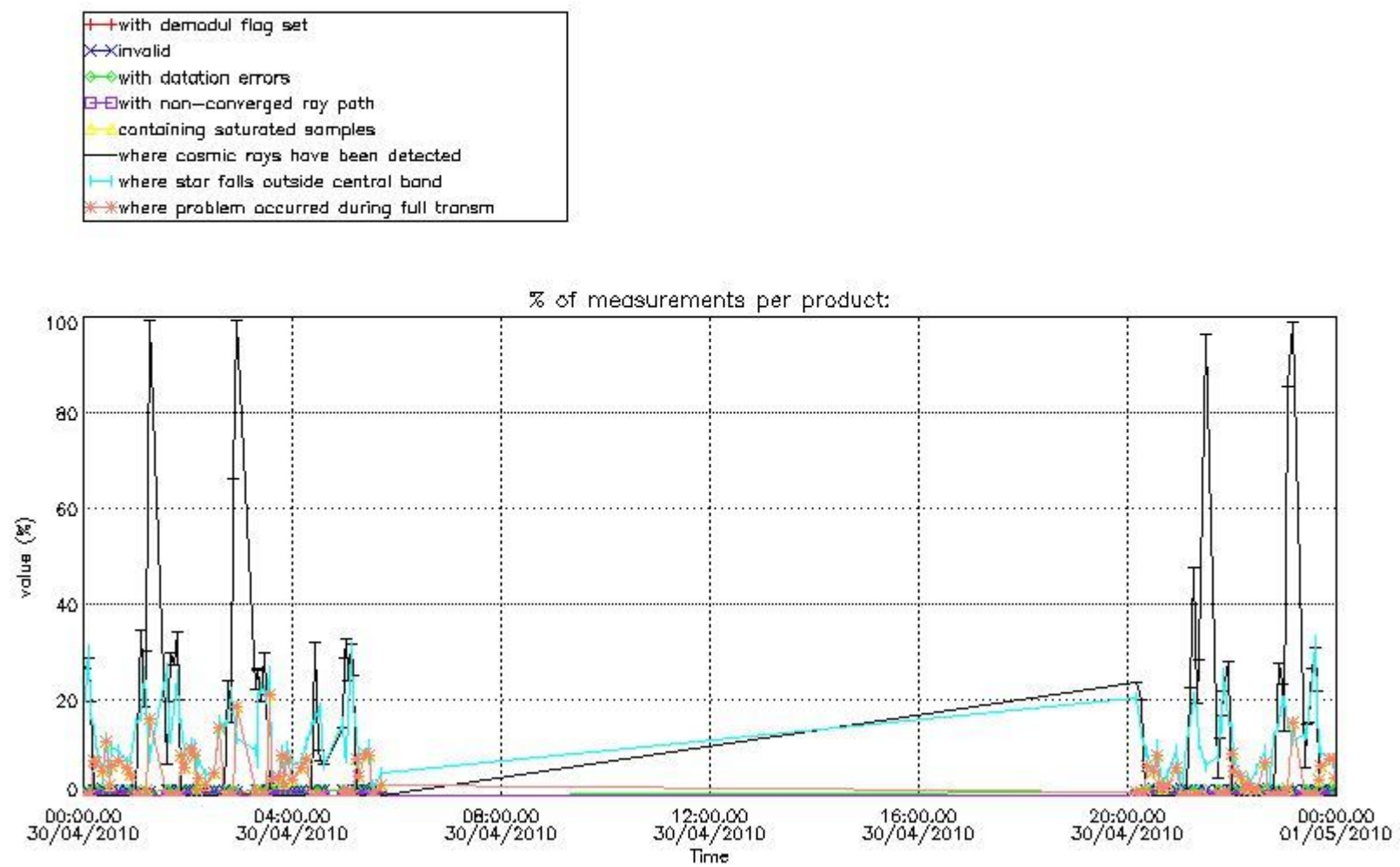
5. Demodulation flag and quality information monitoring

In this section it is presented the modulation information extracted from the pcd (product confidence data) at measurement level and information extracted from the Quality Summary dataset. Only products without errors (error flag in the MPH set to "0") are used.

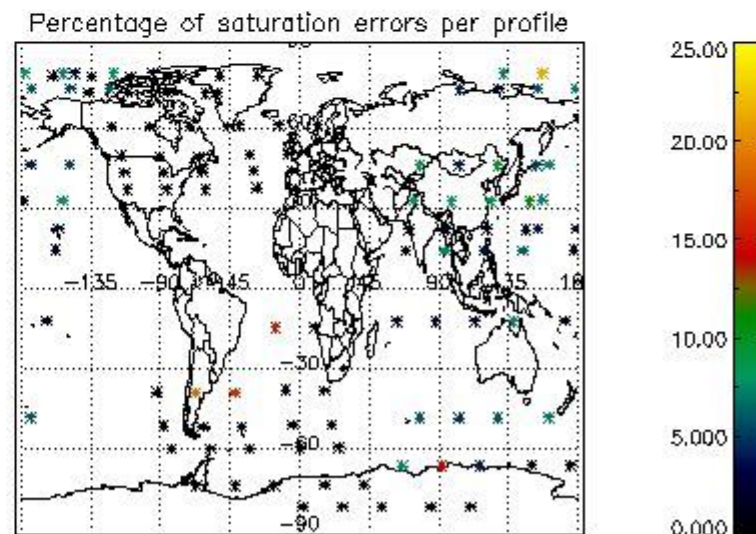
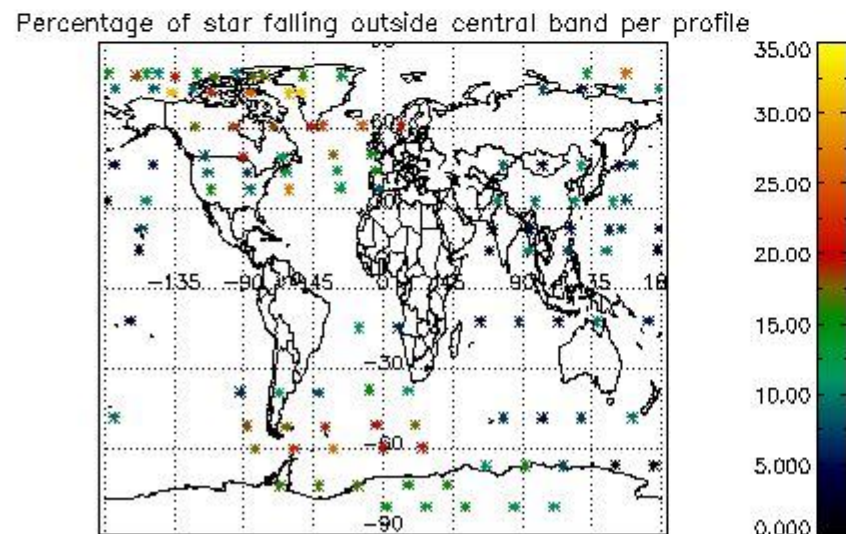
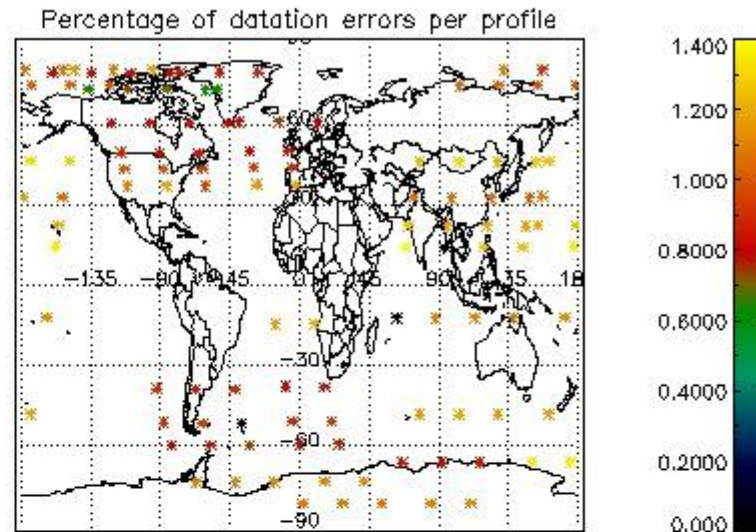
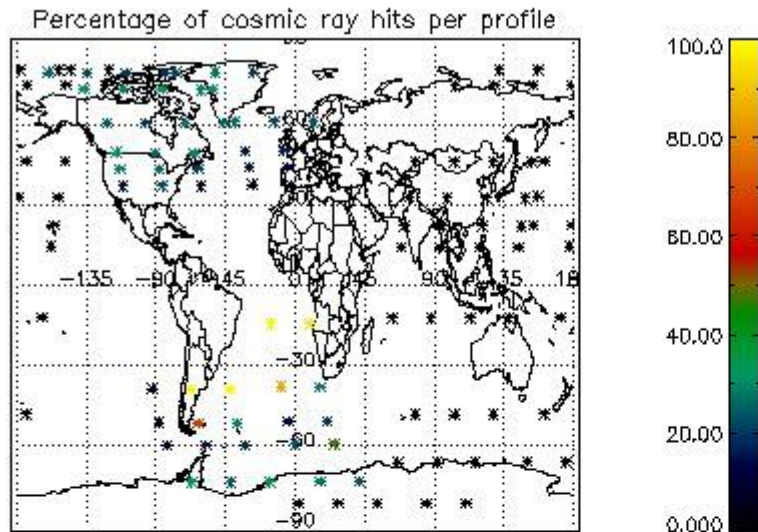
5.1 Percentage of products during reporting period with:

At least one measurement with demodulation flag set:	41.5254 %
Reference spectrum computed from DB:	0.00000 %
Reference spectrum with small number of measurements:	0.00000 %
SATU data not used:	0.00000 %

5.2 Plot quality information per product (time dependant)



5.3 Plot quality information per product (world map)



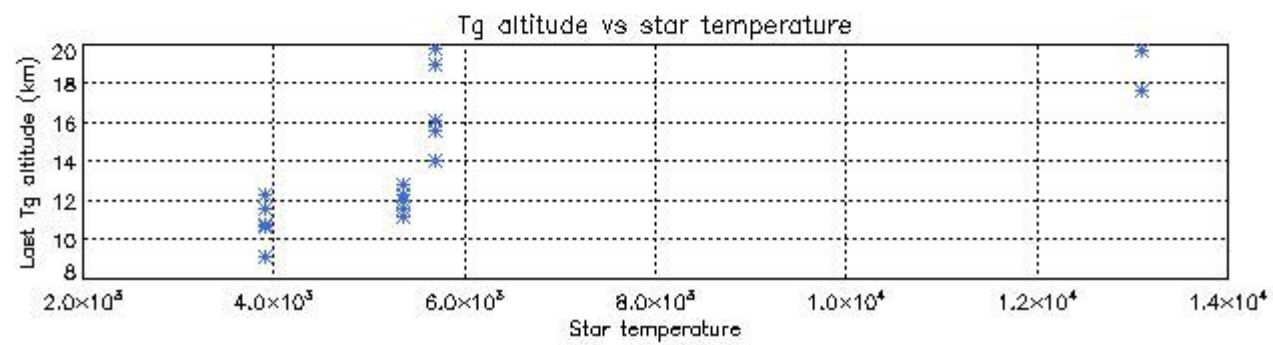
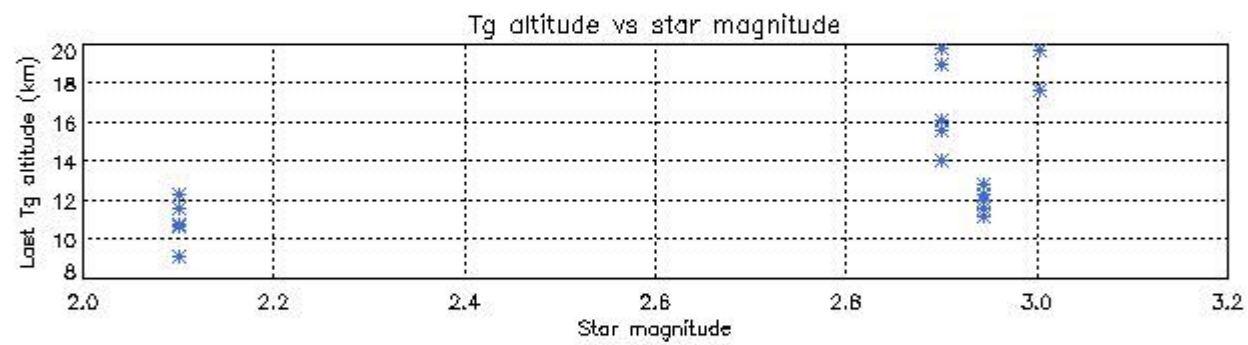
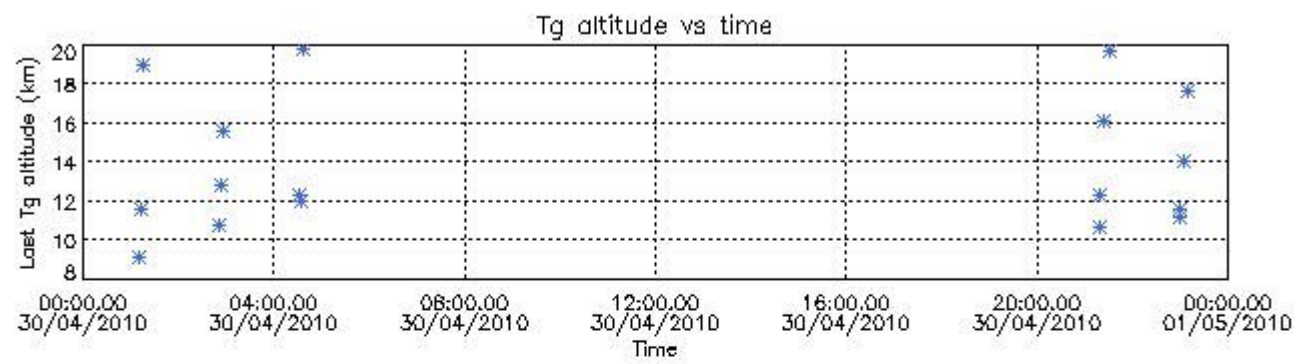
6. Statistics and plot of tangent altitude of the last measurement (DARK & BRIGHT products without errors)

6.1 Statistics on tangent altitude lost:

Statistics	DARK	BRIGHT	TWILIGHT
Mean:	13.891	19.214	12.761
St. deviation:	3.4164	3.2654	0.51445
Maximum:	19.792	25.787	13.436
Minimum:	9.1321	9.3874	12.228
Number of data:	17.000	60.000	5.0000

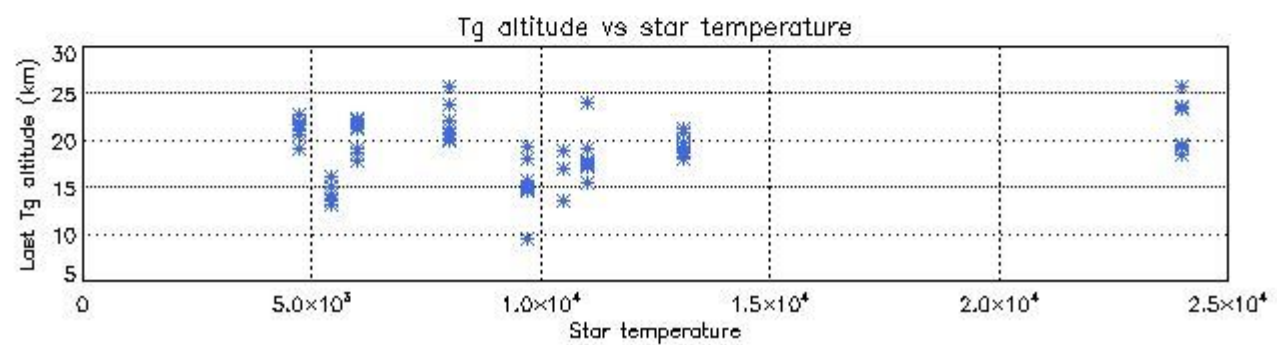
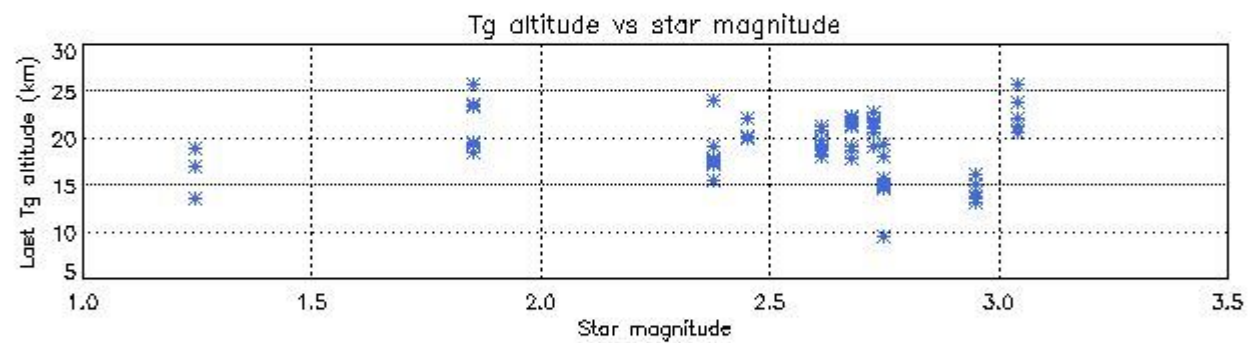
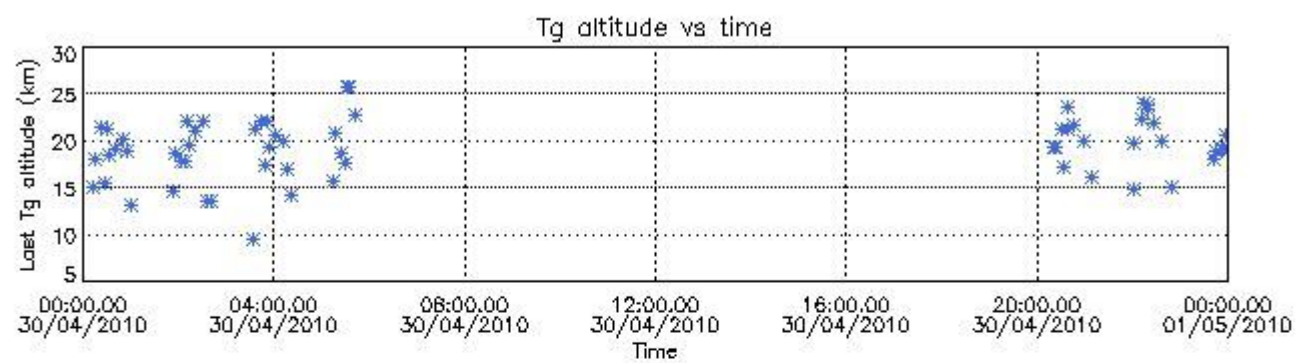
6.2 Plot for DARK limb products

Tangent altitude at which the star is lost



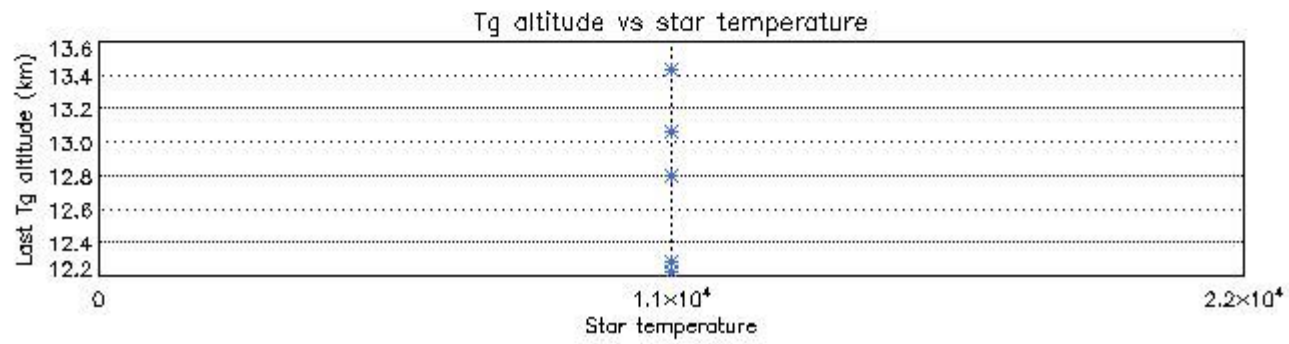
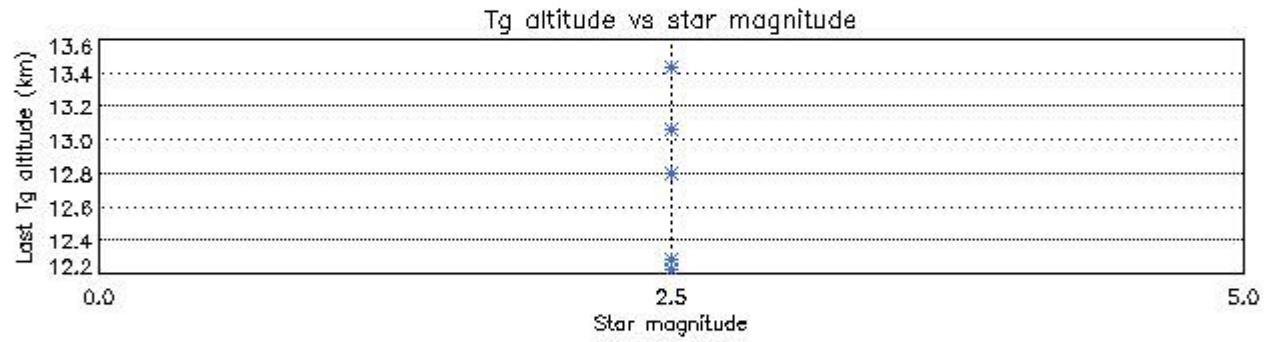
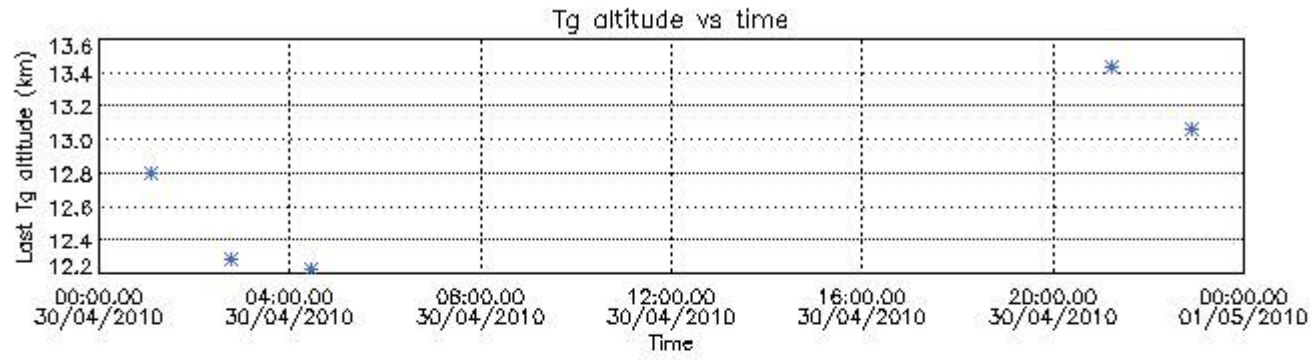
6.3 Plot for BRIGHT limb products

Tangent altitude at which the star is lost



6.3 Plot for TWILIGHT limb products

Tangent altitude at which the star is lost

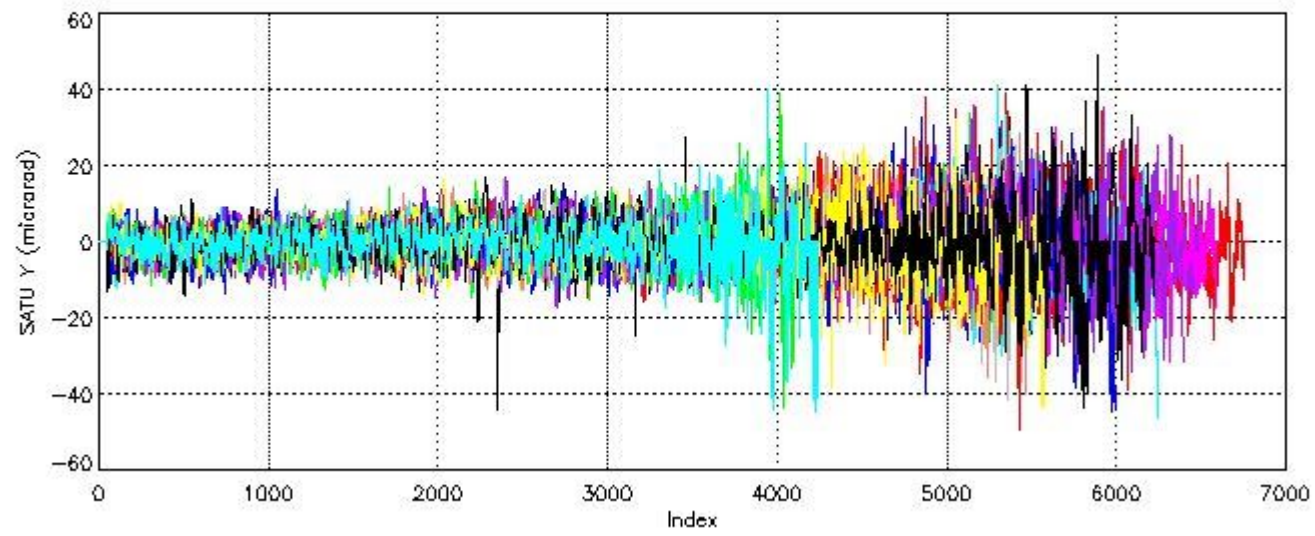
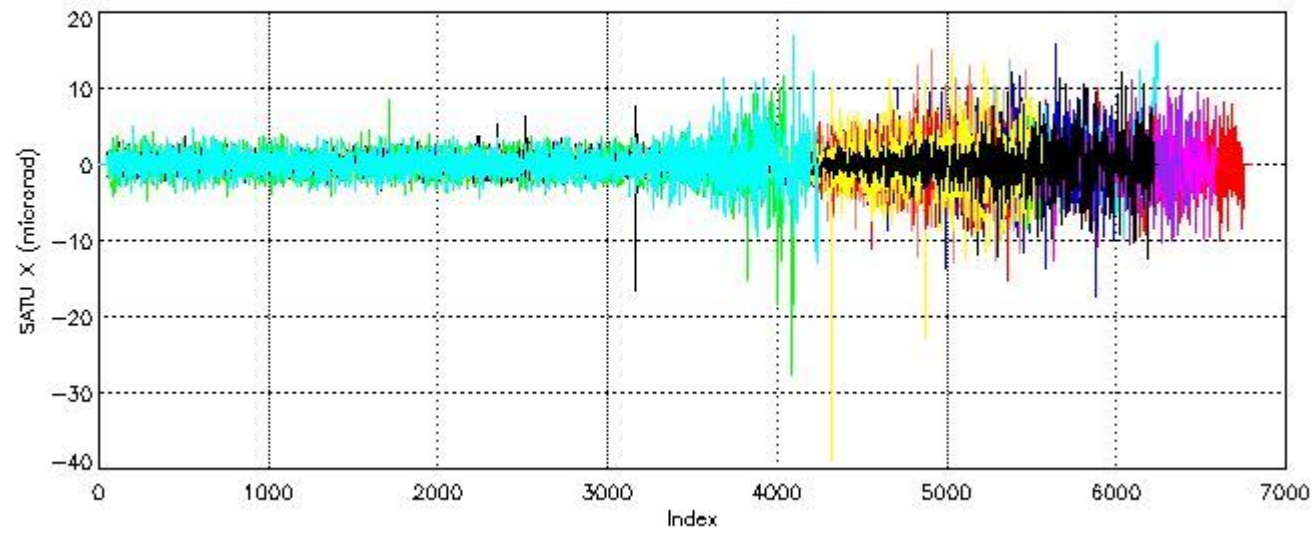


7. Star Acquisition and Tracking Unit (SATU)

The Star Acquisition and Tracking Unit (SATU) analyses the position of the tracked star beam collected by the GOMOS telescope and deflected by the optical beam dispatcher. The main function of the SATU is to detect a star, provide its image position to the science data electronics and to help the pointing function to keep the star image at a fixed position. In tracking mode the SATU data is recorded with a frequency of 100 Hz.

7.1 SATU 'X' and 'Y' axis plots (dark limb)

SATU CCD 'X' and 'Y' axis plots are provided in order to detect any abnormal behaviour of the tracking system. For every occultation (color) the plot should remain stable (with some noise) until we are deep in the atmosphere where big fluctuations are registered due to the refractive effects.



7.2 Statistics on SATU Noise Equivalent Angle (NEA) for DARK (D) and BRIGHT (B) products above 105 kms

The Star Acquisition and Tracking Unit (it is the CCD that tracks the star while it is occulted) Noise Equivalent Angle consists of the statistical angular variation of the SATU data above the atmosphere.

Statistics (in microradians) above 105 km are computed for every occultation, giving four values per occultation: one in the 'X' direction and one in the 'Y' direction for dark and bright limbs. A mean value per day in every direction and limb is calculated and monitored in order to assess instrument performance in terms of star pointing.

7.2.1 SATU NEA Statistics (table)

Statistics	SATU X (D)	SATU Y (D)	SATU X (B)	SATU Y (B)
Mean:	0.21005	-0.56655	0.26091	-0.66975
St. deviation:	0.70228	3.2857	0.94061	3.4118
Maximum:	5.1000	13.600	6.9000	14.400
Minimum:	-4.8000	-14.000	-4.7000	-17.100

Number of data:	20500.	20500.	62700.	62700.
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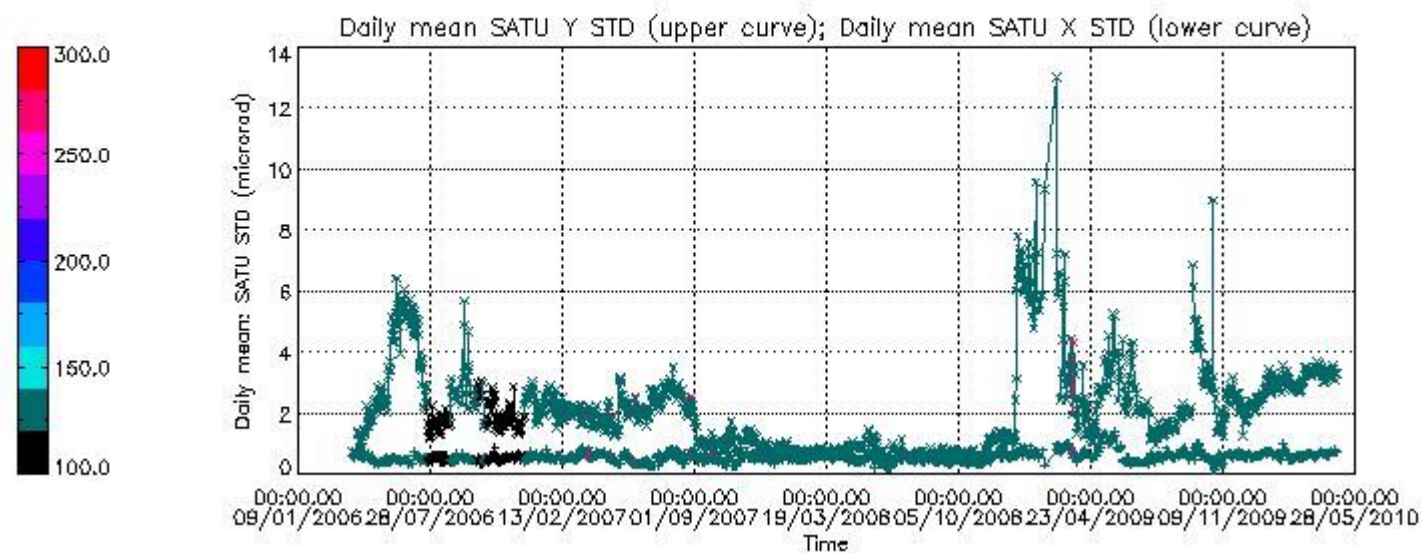
7.2.2 Trend of daily SATU NEA St. deviation since 1st April 2006 (dark limb)

The long term trend of the SATU 'X' and 'Y' standard deviations should be constant during the whole mission.

The colorbar represents the start tangent altitude (km) of the occultations.

Upper curve: STD of SATU Y axis

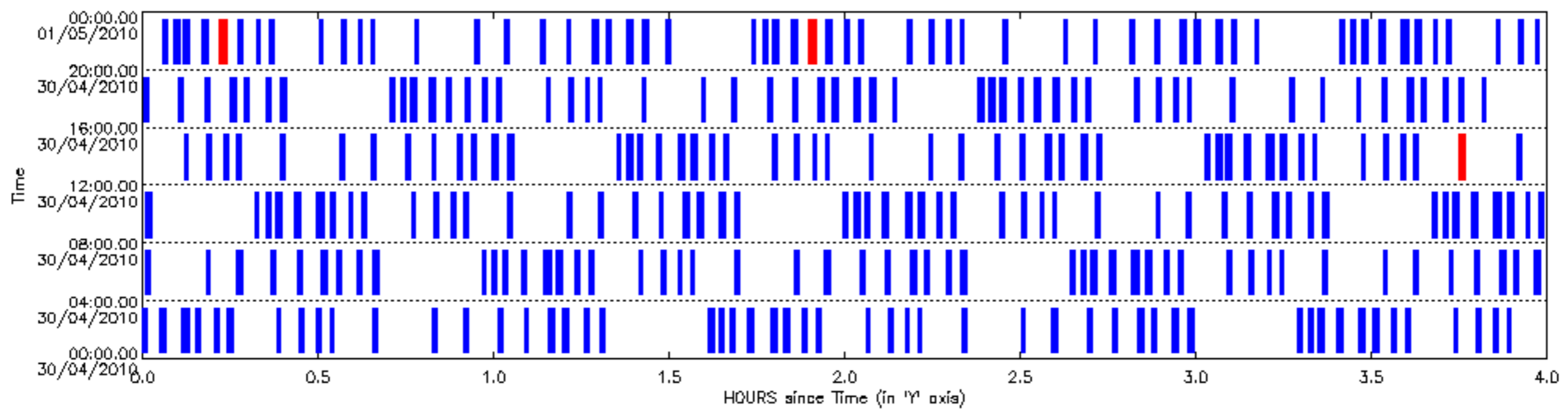
Lower curve: STD of SATU X axis

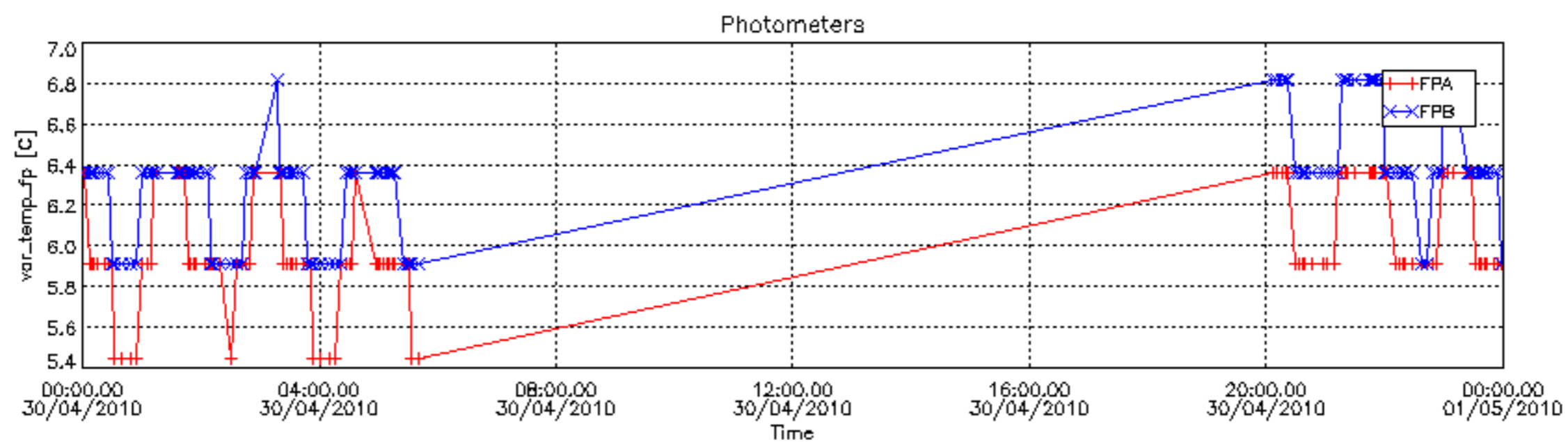
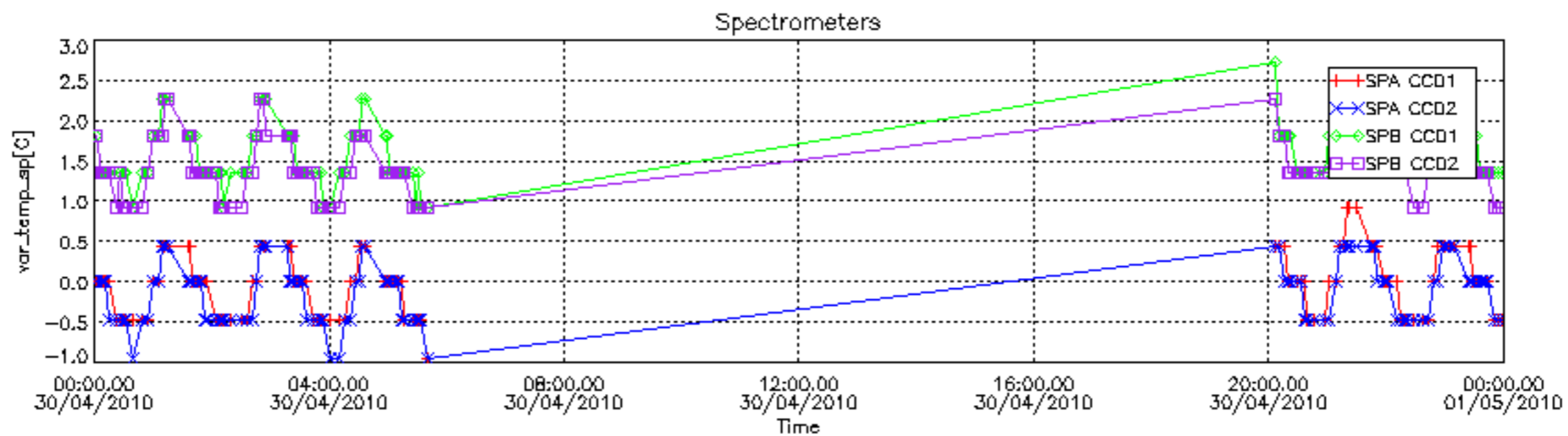


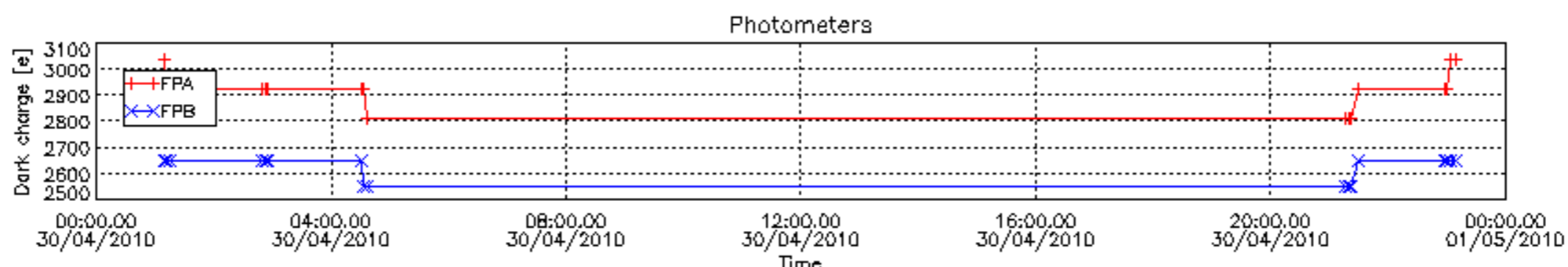
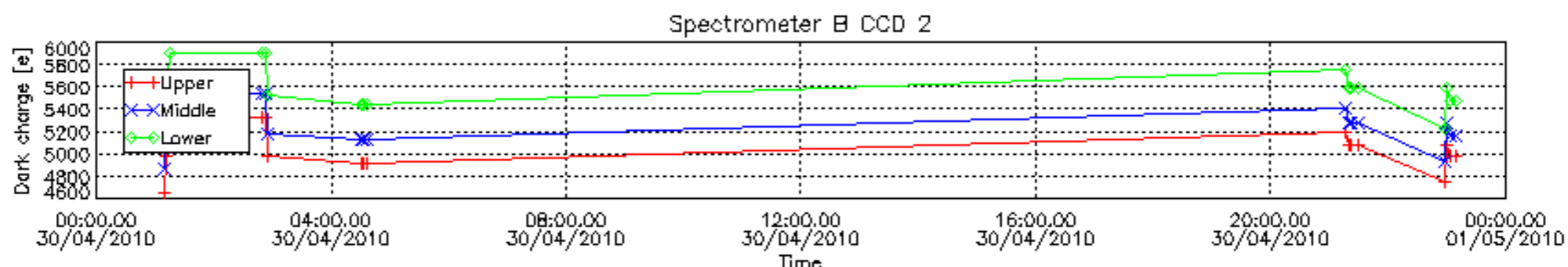
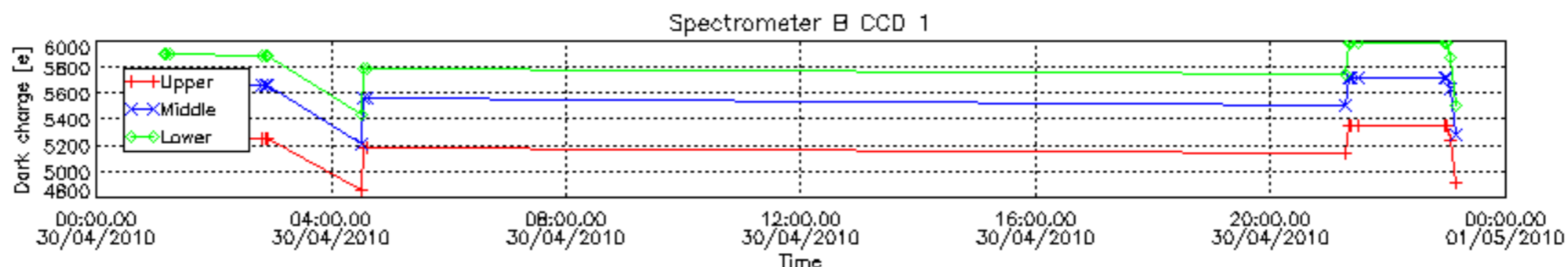
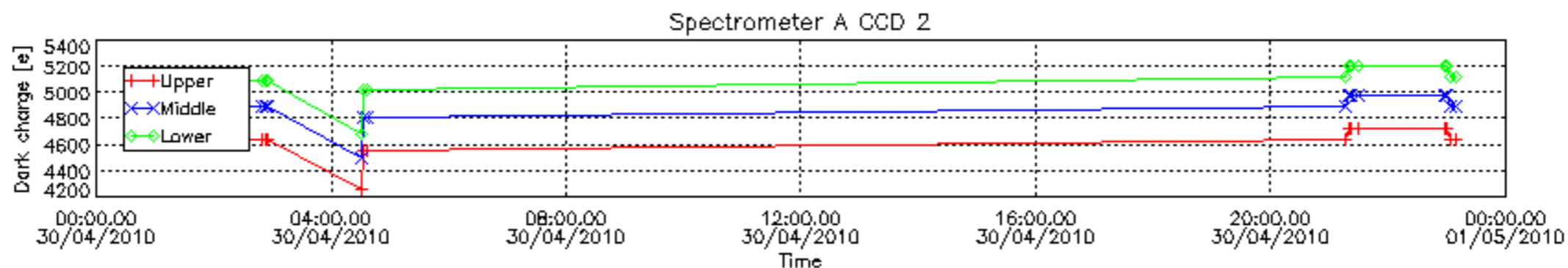
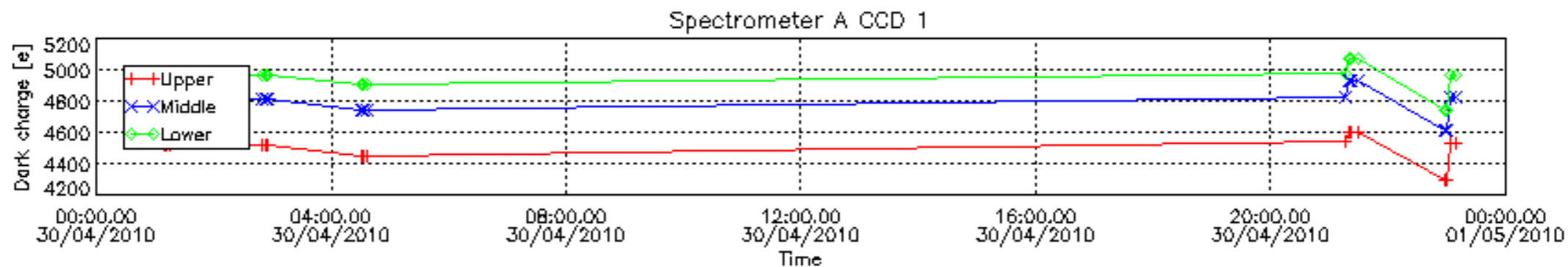
8. Auxiliary Data Files used for the production reported in section 2.4

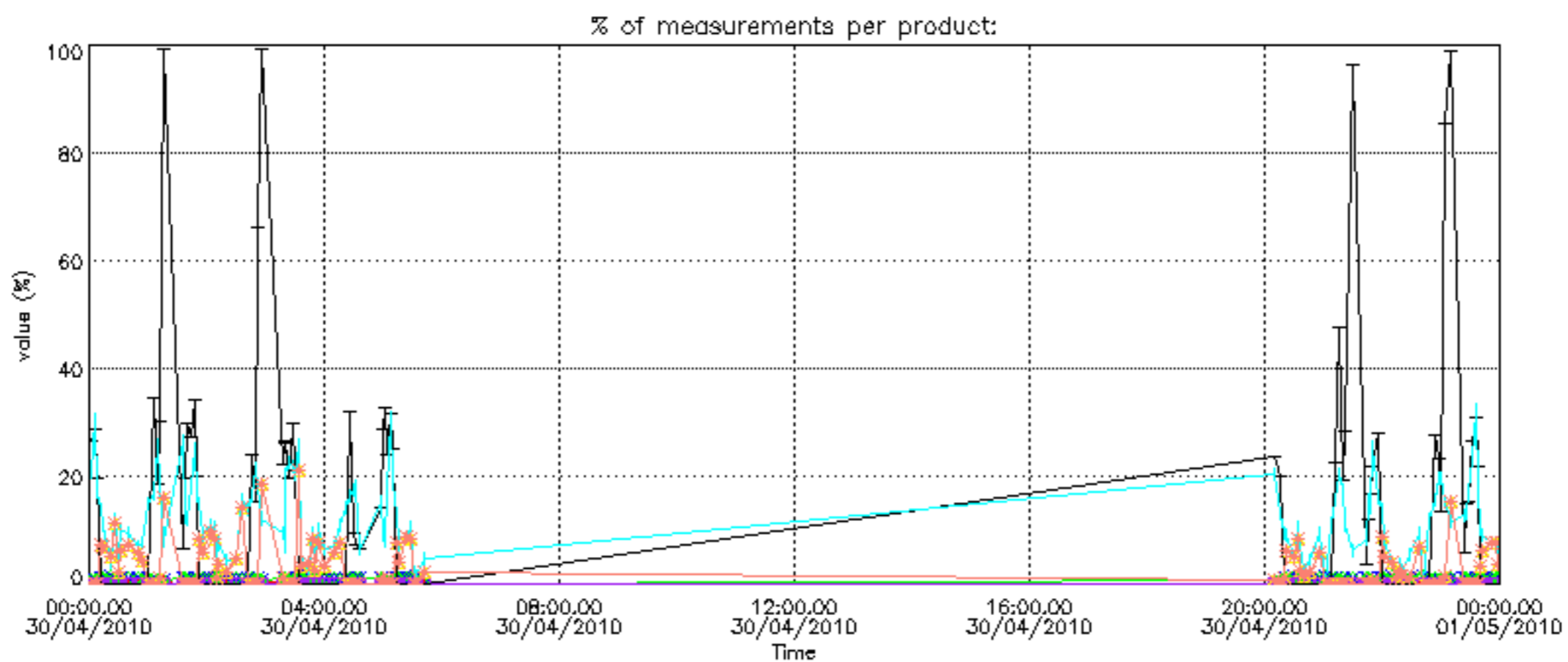
The number reported in the third column indicates since which file (see list in section 2.4) the corresponding auxiliary file has been used. The fourth column is the date of those product files.

Type	Auxiliary Filename	Used since product	Used since product date
INST_PHYS_CHARACTERISTICS	GOM_INS_AXVIEC20091111_143220_20030716_120000_20500101_000000	1	30-APR-2010 00:02:47
CALIBRATION_DATABASE	GOM_CAL_AXVIEC20100428_080918_20100427_000000_20500101_000000	1	30-APR-2010 00:02:47
LEVEL-1B_PROC_CONFIG	GOM_PR1_AXVIEC20091111_145255_20020301_000000_20500101_000000	1	30-APR-2010 00:02:47
STAR_CATALOGUE	GOM_CAT_AXVIEC20020121_161009_20020101_000000_20200101_000000	1	30-APR-2010 00:02:47
STELLAR_SPECTRA_DATABANK	GOM_STS_AXVIEC20091111_151504_20020101_160000_20500101_000000	1	30-APR-2010 00:02:47
ECMWF_FILE	AUX_ECF_AXNECM20100429_053036_20100429_210000_20100430_090000	1	30-APR-2010 00:02:47
ECMWF_FILE	AUX_ECF_AXNECM20100429_173034_20100430_030000_20100430_150000	50	30-APR-2010 04:00:31
ECMWF_FILE	AUX_ECF_AXNECM20100430_052117_20100430_150000_20100501_030000	71	30-APR-2010 20:06:59
ECMWF_FILE	AUX_ECF_AXNECM20100430_054117_20100430_210000_20100501_090000	86	30-APR-2010 21:19:06
OPTIONAL_ECMWF_FILE	MISSING	1	30-APR-2010 00:02:47
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20100429_232948_000057382089_00044_42683_0253.N1	1	30-APR-2010 00:02:47
ORBIT_DATA_FILE	AUX_FPO_AXVPDS20100429_091034_20100428_191529_20100508_204144	17	30-APR-2010 01:15:21
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20100430_035008_000066952089_00047_42686_0255.N1	50	30-APR-2010 04:00:31
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20100430_200227_000041442089_00057_42696_0256.N1	71	30-APR-2010 20:06:59
ORBIT_DATA_FILE	AUX_FPO_AXVPDS20100430_100117_20100429_184352_20100509_201007	86	30-APR-2010 21:19:06
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20100430_225747_000060572089_00058_42697_0258.N1	107	30-APR-2010 23:03:24

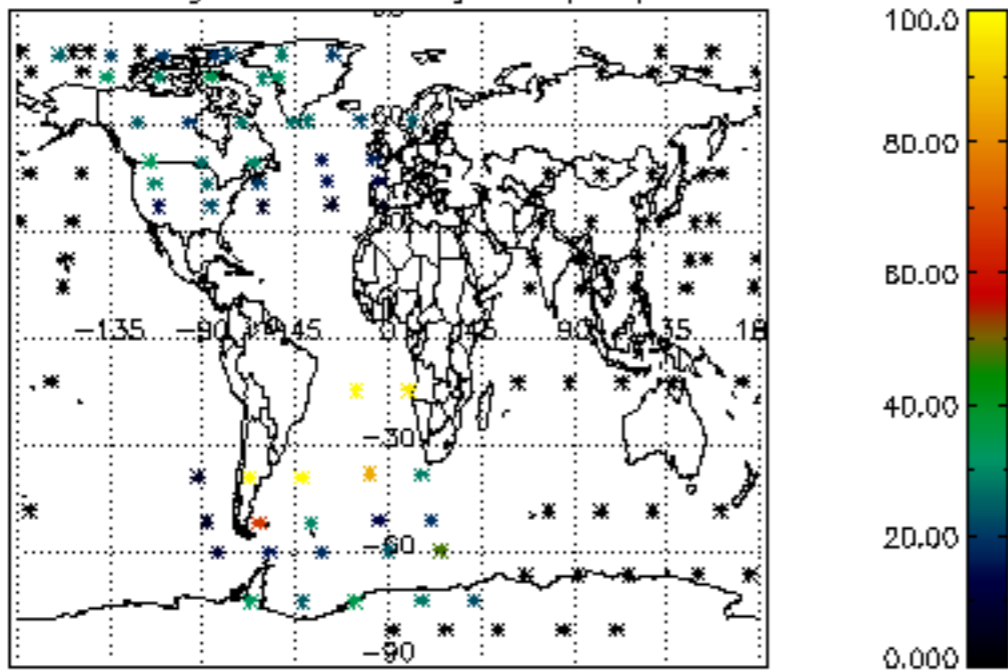




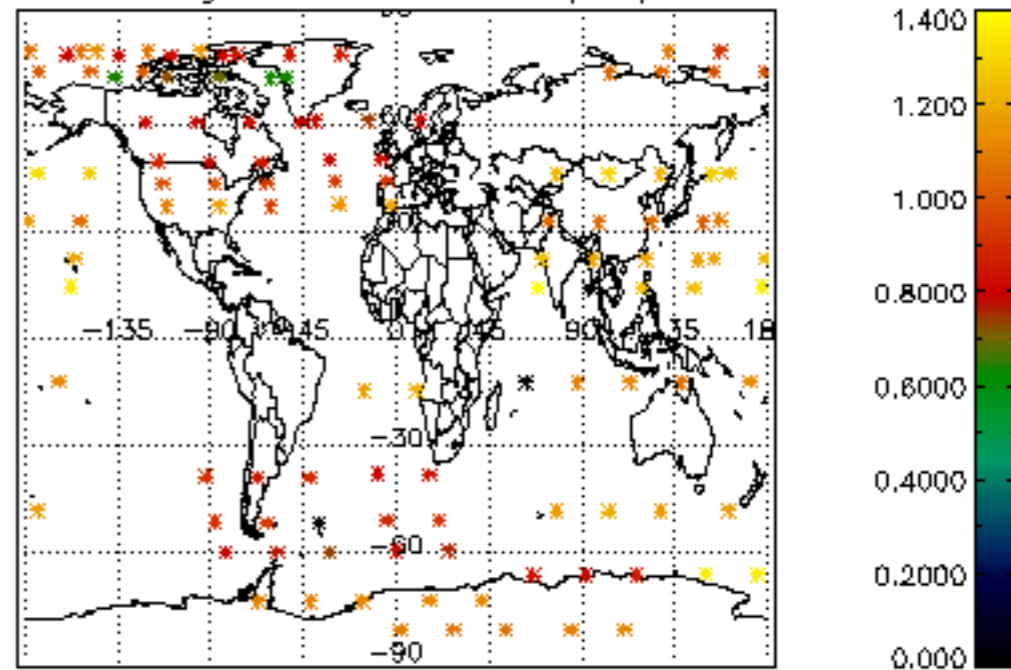




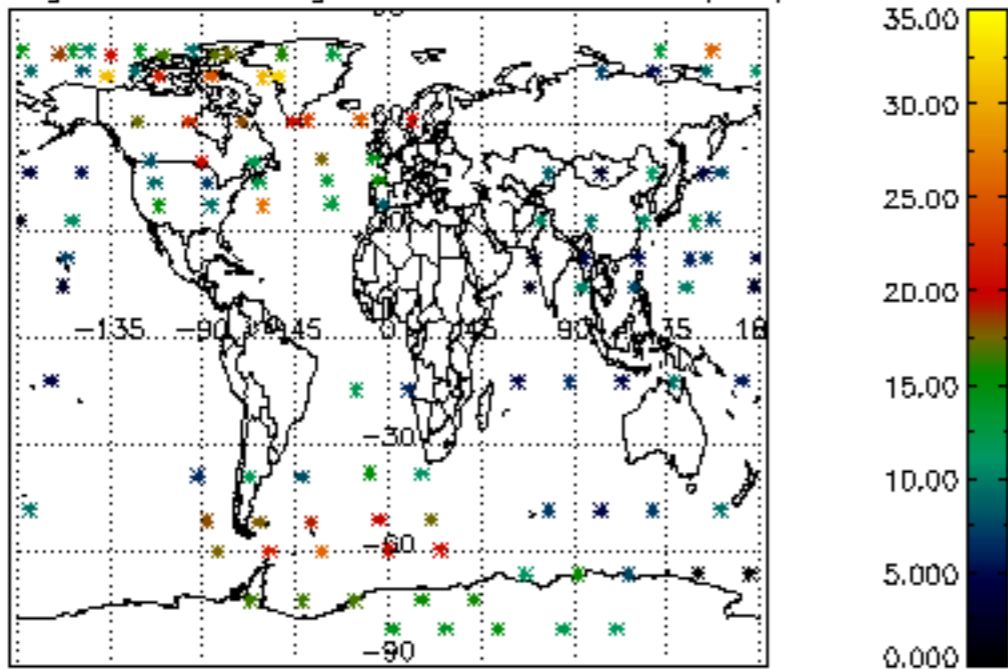
Percentage of cosmic ray hits per profile



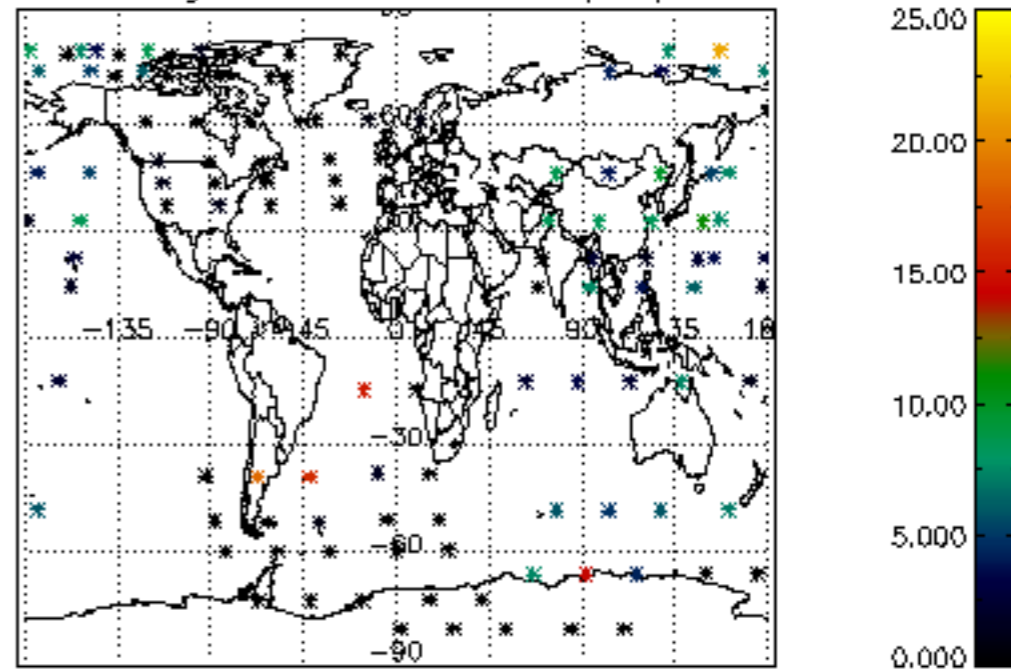
Percentage of datation errors per profile



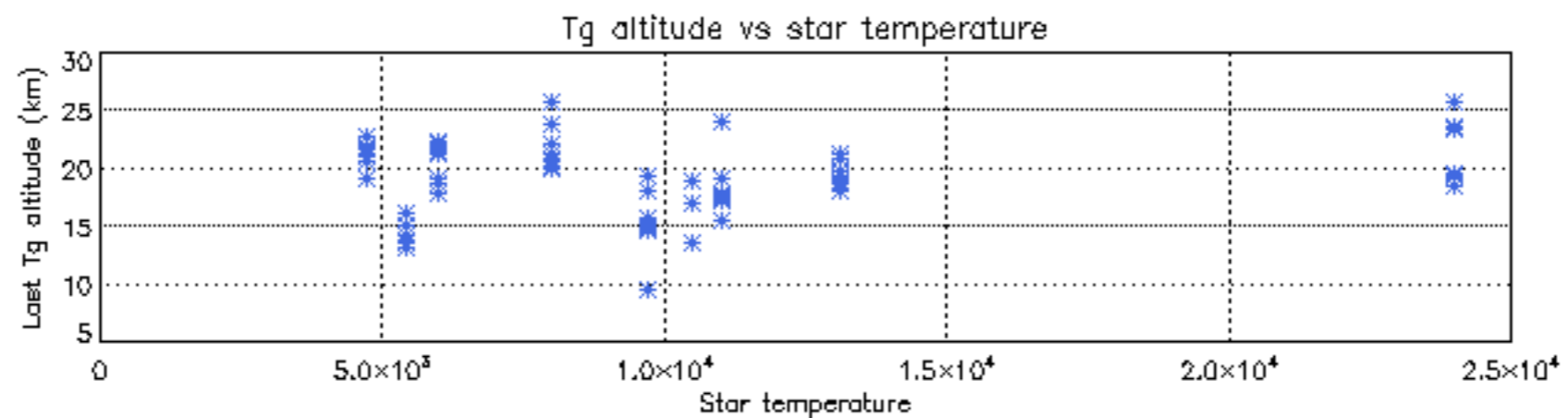
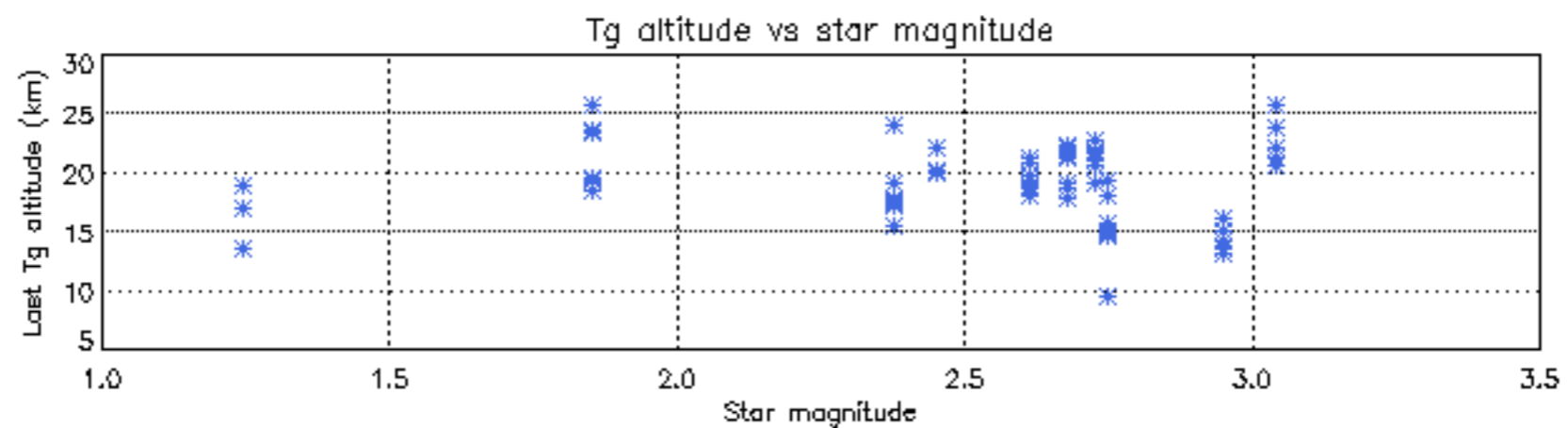
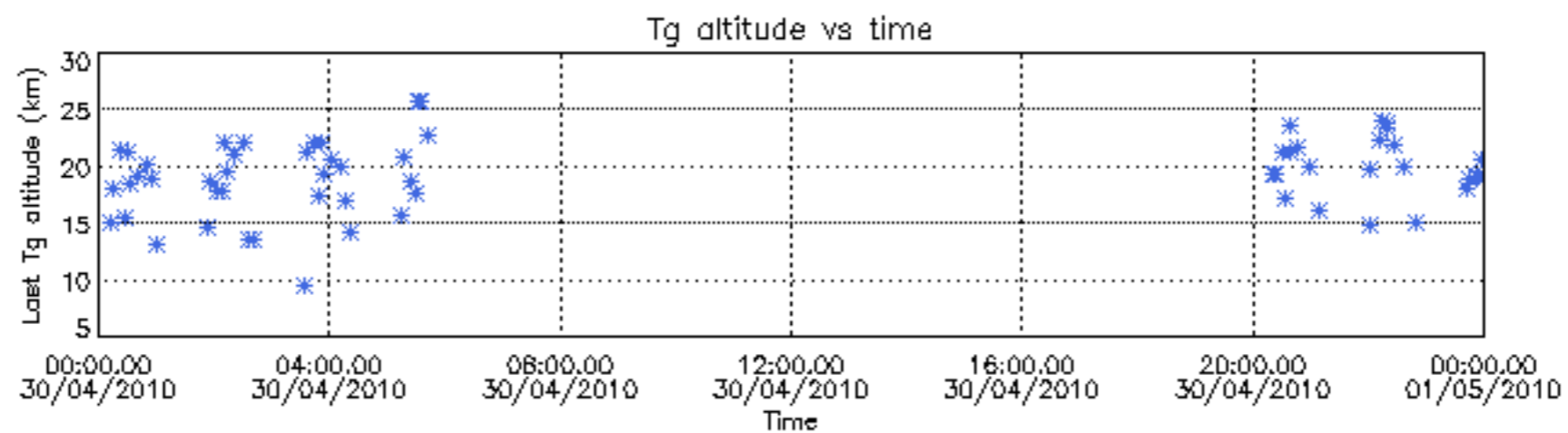
Percentage of star falling outside central band per profile



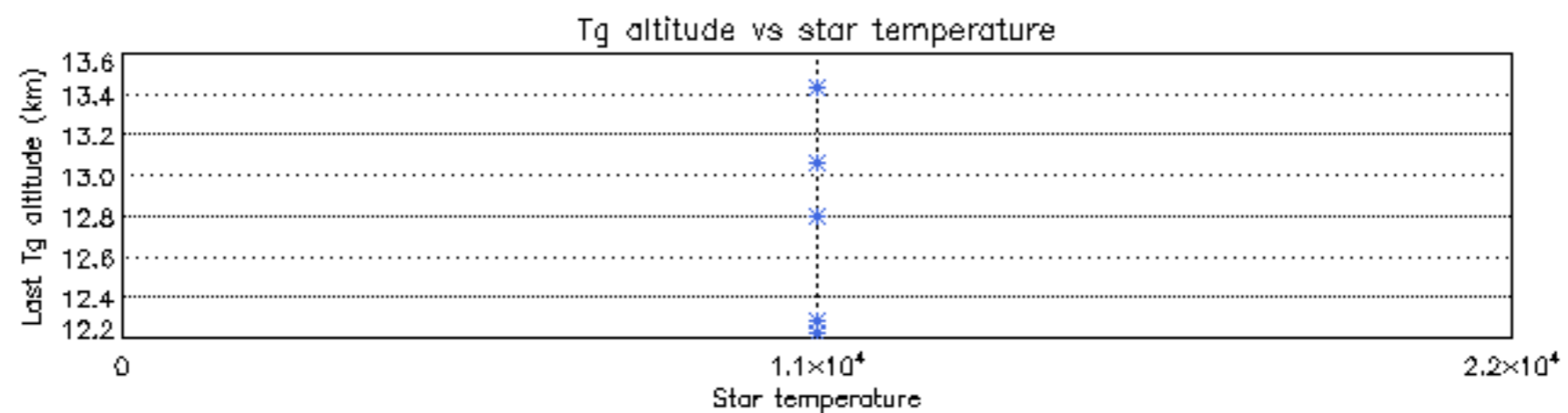
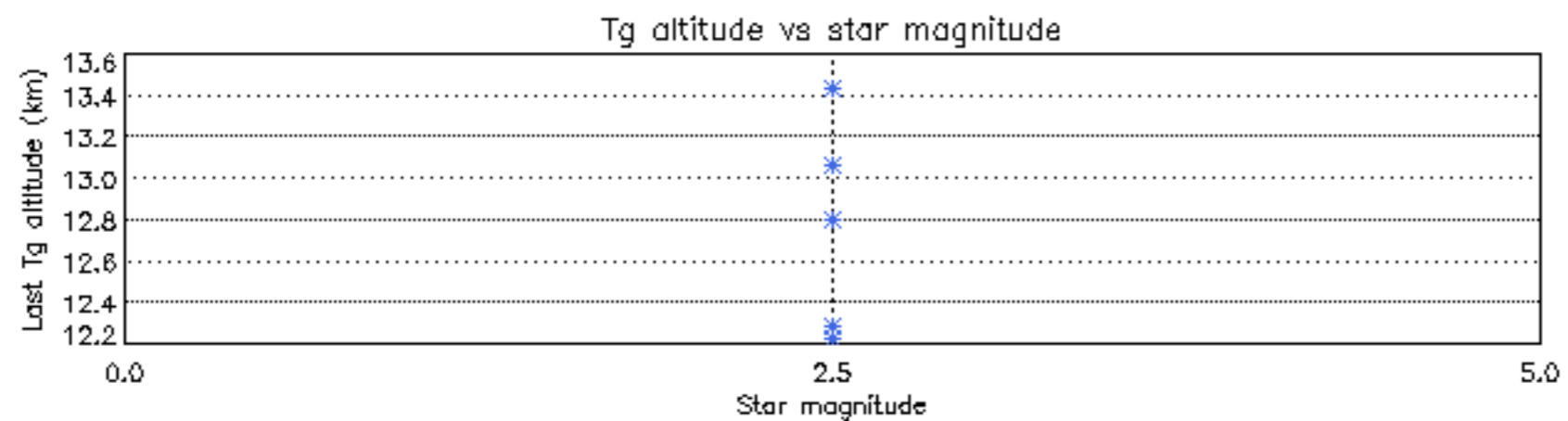
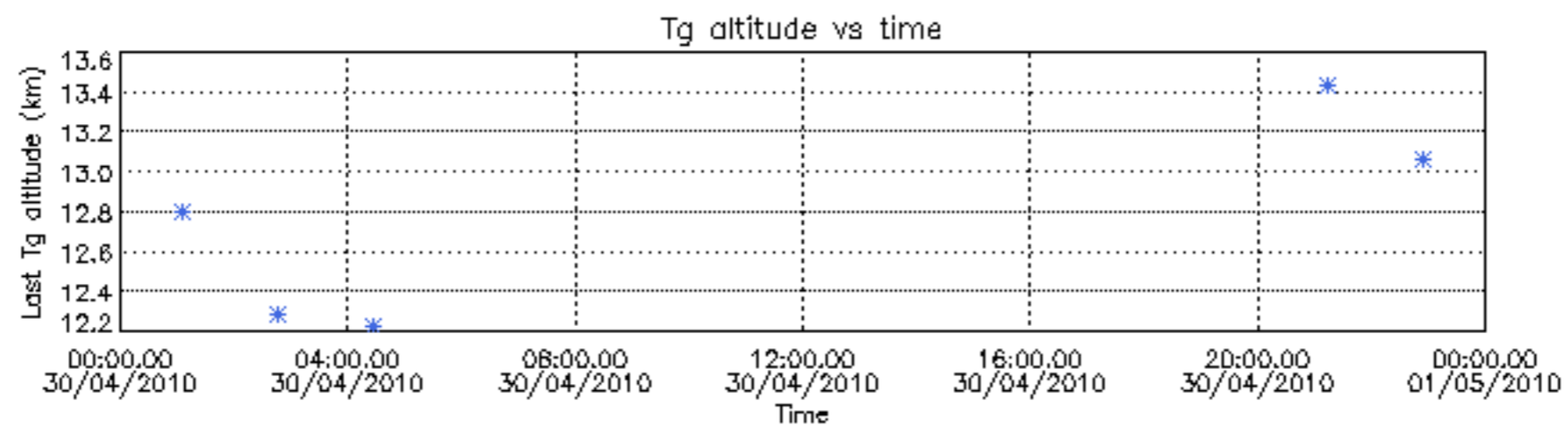
Percentage of saturation errors per profile

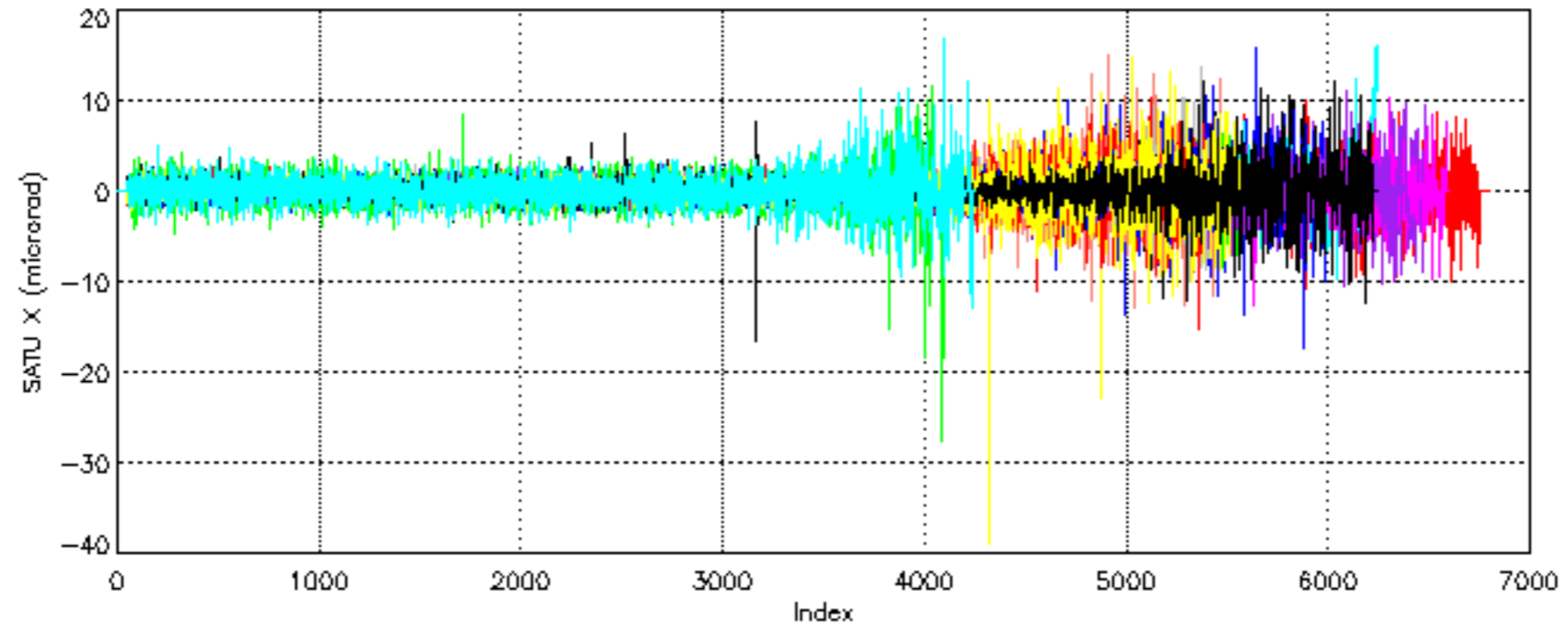


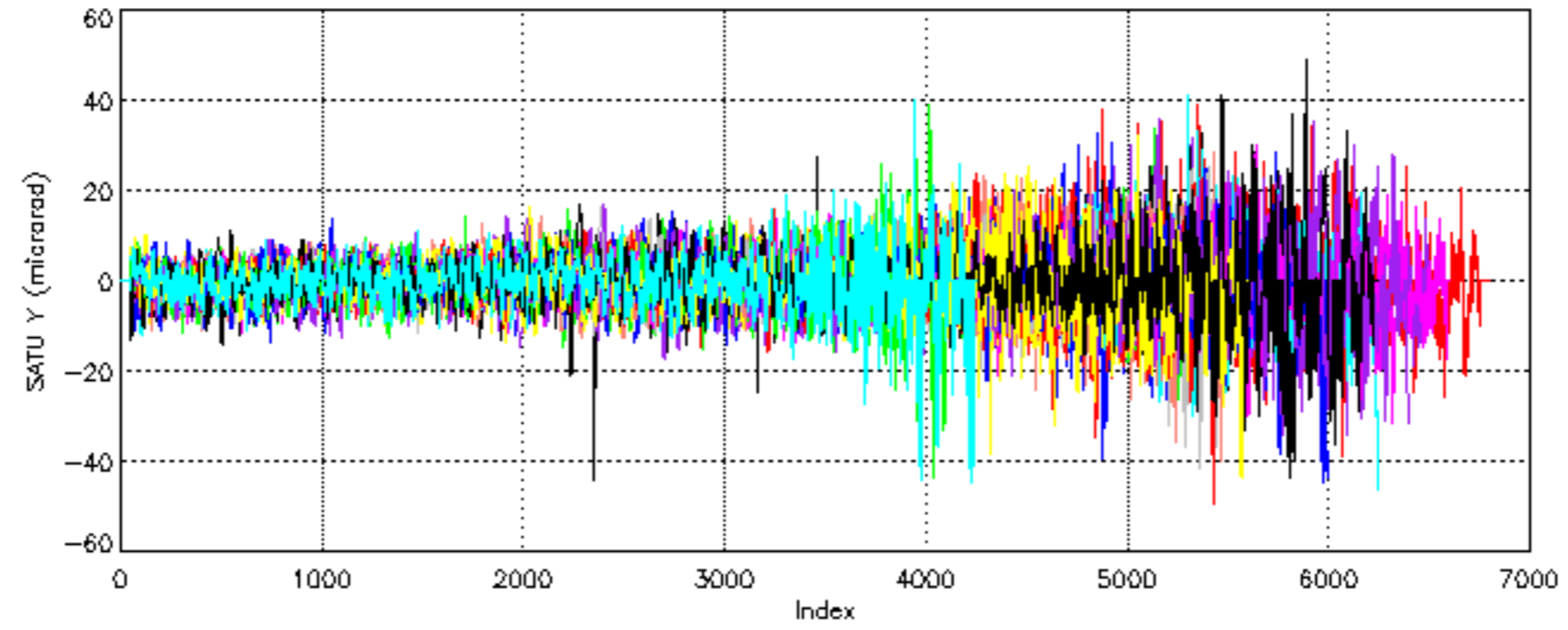
Tangent altitude at which the star is lost

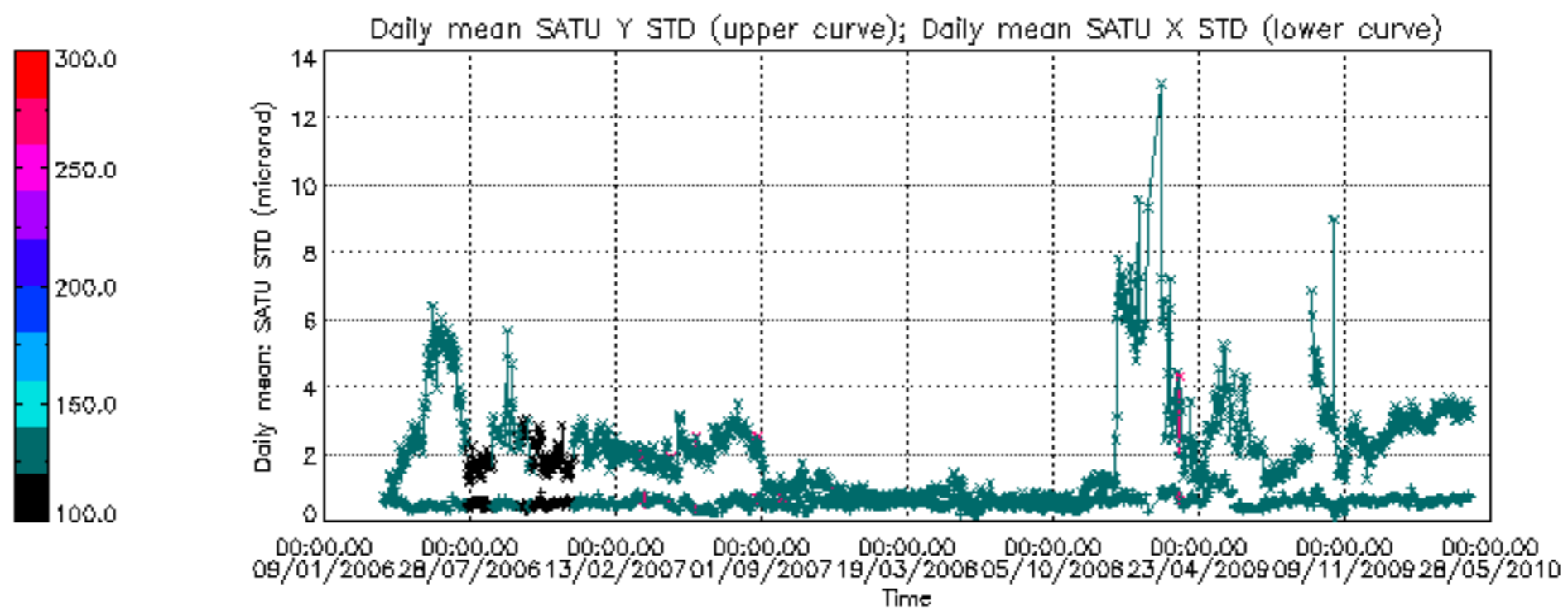


Tangent altitude at which the star is lost









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1; -315.4; 01-APR-2010 01:32:33; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;42269
 2; 65.0; 01-APR-2010 01:38:53; Dark ; 57.0; 38; 20Eps Sgr ; 1.84; 11000;occ; 114; 0;42270
 3; 293.1; 01-APR-2010 01:42:41; Dark ; 51.5; 40; The Sco ; 1.86; 7100;occ; 103; 0;42270
 4; 515.4; 01-APR-2010 01:46:23; Dark ; 37.0; 134; Bet TrA ; 2.81; 6600;occ; 74; 0;42270
 5; 673.7; 01-APR-2010 01:49:02; Dark ; 54.5; 4; Alp1Cen ;-0.01; 5800;occ; 109; 0;42270
 6; 838.3; 01-APR-2010 01:51:46; Dark ; 45.5; 78; Alp Lup ; 2.30; 28000;occ; 91; 0;42270
 7; 934.5; 01-APR-2010 01:53:23; Dark ; 48.0; 81; Eta Cen ; 2.36; 28000;occ; 96; 0;42270
 8; 1098.8; 01-APR-2010 01:56:07; Dark ; 51.5; 54; 5The Cen ; 2.06; 4500;occ; 103; 0;42270
 9; 1459.8; 01-APR-2010 02:02:08; Dark ; 46.5; 106; 9Bet Crv ; 2.65; 5600;occ; 93; 0;42270
 10; 1577.7; 01-APR-2010 02:04:06; Dark ; 41.5; 100; 4Gam Crv ; 2.58; 13100;occ; 83; 0;42270
 11; 1883.4; 01-APR-2010 02:09:11; Bright; 45.0; 121; 29Gam Vir ; 2.74; 7200;occ; 90; 0;42270
 12; 2160.8; 01-APR-2010 02:13:49; Bright; 38.5; 62; 94Bet Leo ; 2.14; 9700;occ; 77; 0;42270
 13; 2256.9; 01-APR-2010 02:15:25; Bright; 37.0; 96; 68Del Leo ; 2.56; 9300;occ; 74; 0;42270
 14; 2666.4; 01-APR-2010 02:22:15; Bright; 36.5; 174; 52Psi UMa ; 3.00; 4400;occ; 73; 0;42270
 15; 2848.5; 01-APR-2010 02:25:17; Bright; 37.0; 87; 64Gam UMa ; 2.43; 11000;occ; 74; 0;42270
 16; 2958.0; 01-APR-2010 02:27:06; Bright; 35.5; 36; 50Alp UMa ; 1.80; 6300;occ; 71; 0;42270
 17; 3338.3; 01-APR-2010 02:33:26; Bright; 38.0; 60; 7Bet UMi ; 2.08; 3950;occ; 76; 0;42270

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1;-2133.9; 01-APR-2010 02:42:50; Bright; 39.0; 89; 5Alp Cep ; 2.45; 8000;occ; 78; 0;42270
 2;-1836.2; 01-APR-2010 02:47:48; Bright; 43.5; 144; 18Del Cyg ; 2.86; 11000;occ; 87; 0;42270
 3;-1723.2; 01-APR-2010 02:49:41; Bright; 44.5; 66; 37Gam Cyg ; 2.21; 5900;occ; 89; 0;42270
 4;-1601.7; 01-APR-2010 02:51:42; Bright; 45.0; 92; 53Eps Cyg ; 2.50; 4500;occ; 90; 0;42270
 5; -314.5; 01-APR-2010 03:13:09; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;42270
 6; -148.2; 01-APR-2010 03:15:56; Dark ; 55.5; 57; 34Sig Sgr ; 2.07; 26000;occ; 111; 0;42270
 7; 66.3; 01-APR-2010 03:19:30; Dark ; 53.5; 38; 20Eps Sgr ; 1.84; 11000;occ; 107; 0;42271
 8; 294.5; 01-APR-2010 03:23:18; Dark ; 51.5; 40; The Sco ; 1.86; 7100;occ; 103; 0;42271
 9; 515.9; 01-APR-2010 03:27:00; Dark ; 40.5; 134; Bet TrA ; 2.81; 6600;occ; 81; 0;42271
 10; 674.2; 01-APR-2010 03:29:38; Dark ; 52.5; 4; Alp1Cen ;-0.01; 5800;occ; 105; 0;42271
 11; 839.0; 01-APR-2010 03:32:23; Dark ; 44.5; 78; Alp Lup ; 2.30; 28000;occ; 89; 0;42271
 12; 935.3; 01-APR-2010 03:33:59; Dark ; 50.0; 81; Eta Cen ; 2.36; 28000;occ; 100; 0;42271
 13; 1099.5; 01-APR-2010 03:36:44; Dark ; 53.0; 54; 5The Cen ; 2.06; 4500;occ; 106; 0;42271
 14; 1460.1; 01-APR-2010 03:42:44; Dark ; 47.5; 106; 9Bet Crv ; 2.65; 5600;occ; 95; 0;42271
 15; 1578.0; 01-APR-2010 03:44:42; Dark ; 43.5; 100; 4Gam Crv ; 2.58; 13100;occ; 87; 0;42271
 16; 1883.1; 01-APR-2010 03:49:47; Bright; 44.5; 121; 29Gam Vir ; 2.74; 7200;occ; 89; 0;42271
 17; 2160.7; 01-APR-2010 03:54:25; Bright; 38.0; 62; 94Bet Leo ; 2.14; 9700;occ; 76; 0;42271
 18; 2257.1; 01-APR-2010 03:56:01; Bright; 37.0; 96; 68Del Leo ; 2.56; 9300;occ; 74; 0;42271
 19; 2666.3; 01-APR-2010 04:02:50; Bright; 37.5; 174; 52Psi UMa ; 3.00; 4400;occ; 75; 0;42271
 20; 2848.4; 01-APR-2010 04:05:52; Bright; 38.0; 87; 64Gam UMa ; 2.43; 11000;occ; 76; 0;42271
 21; 2957.9; 01-APR-2010 04:07:42; Bright; 37.0; 36; 50Alp UMa ; 1.80; 6300;occ; 74; 0;42271
 22; 3338.0; 01-APR-2010 04:14:02; Bright; 43.0; 60; 7Bet UMi ; 2.08; 3950;occ; 86; 0;42271

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1;-2134.0; 01-APR-2010 04:23:26; Bright; 38.0; 89; 5Alp Cep ; 2.45; 8000;occ; 76; 0;42271
 2;-1836.3; 01-APR-2010 04:28:24; Bright; 46.5; 144; 18Del Cyg ; 2.86; 11000;occ; 93; 0;42271
 3;-1723.1; 01-APR-2010 04:30:17; Bright; 44.5; 66; 37Gam Cyg ; 2.21; 5900;occ; 89; 0;42271
 4;-1601.9; 01-APR-2010 04:32:18; Bright; 45.0; 92; 53Eps Cyg ; 2.50; 4500;occ; 90; 0;42271
 5; -313.7; 01-APR-2010 04:53:46; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;42271
 6; -146.6; 01-APR-2010 04:56:33; Dark ; 55.5; 57; 34Sig Sgr ; 2.07; 26000;occ; 111; 0;42271
 7; 67.5; 01-APR-2010 05:00:08; Dark ; 55.5; 38; 20Eps Sgr ; 1.84; 11000;occ; 111; 0;42272
 8; 295.5; 01-APR-2010 05:03:56; Dark ; 53.0; 40; The Sco ; 1.86; 7100;occ; 106; 0;42272
 9; 516.4; 01-APR-2010 05:07:36; Dark ; 40.5; 134; Bet TrA ; 2.81; 6600;occ; 81; 0;42272
 10; 674.7; 01-APR-2010 05:10:15; Dark ; 41.0; 4; Alp1Cen ;-0.01; 5800;occ; 82; 0;42272
 11; 839.6; 01-APR-2010 05:13:00; Dark ; 44.5; 78; Alp Lup ; 2.30; 28000;occ; 89; 0;42272
 12; 935.6; 01-APR-2010 05:14:36; Dark ; 47.0; 81; Eta Cen ; 2.36; 28000;occ; 94; 0;42272
 13; 1100.1; 01-APR-2010 05:17:20; Dark ; 52.5; 54; 5The Cen ; 2.06; 4500;occ; 105; 0;42272
 14; 1460.3; 01-APR-2010 05:23:20; Dark ; 46.5; 106; 9Bet Crv ; 2.65; 5600;occ; 93; 0;42272
 15; 1578.2; 01-APR-2010 05:25:18; Dark ; 42.5; 100; 4Gam Crv ; 2.58; 13100;occ; 85; 0;42272
 16; 1688.2; 01-APR-2010 05:27:08; Dark ; 29.0; 15; 67Alp Vir ; 0.98; 28000;occ; 58; 0;42272
 17; 1883.0; 01-APR-2010 05:30:23; Bright; 45.5; 121; 29Gam Vir ; 2.74; 7200;occ; 91; 0;42272
 18; 2160.5; 01-APR-2010 05:35:01; Bright; 39.5; 62; 94Bet Leo ; 2.14; 9700;occ; 79; 0;42272
 19; 2257.0; 01-APR-2010 05:36:37; Bright; 36.0; 96; 68Del Leo ; 2.56; 9300;occ; 72; 0;42272
 20; 2666.3; 01-APR-2010 05:43:26; Bright; 38.0; 174; 52Psi UMa ; 3.00; 4400;occ; 76; 0;42272
 21; 2848.4; 01-APR-2010 05:46:28; Bright; 37.0; 87; 64Gam UMa ; 2.43; 11000;occ; 74; 0;42272
 22; 2958.0; 01-APR-2010 05:48:18; Bright; 38.0; 36; 50Alp UMa ; 1.80; 6300;occ; 76; 0;42272
 23; 3337.6; 01-APR-2010 05:54:38; Bright; 57.5; 60; 7Bet UMi ; 2.08; 3950;occ; 115; 0;42272

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1; 941.5; 01-APR-2010 20:20:05; Dark ; 46.5; 81; Eta Cen ; 2.36; 28000;occ; 93; 0;42281
 2; 1104.6; 01-APR-2010 20:22:48; Dark ; 50.0; 54; 5The Cen ; 2.06; 4500;occ; 100; 0;42281


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3; 1462.1; 01-APR-2010 20:28:46; Dark ; 45.0; 106; 9Bet Crv ; 2.65; 5600;occ; 90; 0;42281
4; 1579.6; 01-APR-2010 20:30:43; Dark ; 41.5; 100; 4Gam Crv ; 2.58; 13100;occ; 83; 0;42281
5; 1688.0; 01-APR-2010 20:32:31; Dark ; 54.0; 15; 67Alp Vir ; 0.98; 28000;occ; 108; 0;42281
6; 1882.1; 01-APR-2010 20:35:46; Bright; 44.0; 121; 29Gam Vir ; 2.74; 7200;occ; 88; 0;42281
7; 2159.5; 01-APR-2010 20:40:23; Bright; 38.5; 62; 94Bet Leo ; 2.14; 9700;occ; 77; 0;42281
8; 2665.5; 01-APR-2010 20:48:49; Bright; 37.0; 174; 52Psi UMa ; 3.00; 4400;occ; 74; 0;42281
9; 2846.1; 01-APR-2010 20:51:49; Bright; 37.5; 87; 64Gam UMa ; 2.43; 11000;occ; 75; 0;42281
10; 2959.3; 01-APR-2010 20:53:43; Bright; 36.0; 36; 50Alp UMa ; 1.80; 6300;occ; 72; 0;42281
11; 3334.8; 01-APR-2010 20:59:58; Bright; 36.5; 60; 7Bet UMi ; 2.08; 3950;occ; 73; 0;42281
12; 3901.3; 01-APR-2010 21:09:25; Bright; 36.5; 89; 5Alp Cep ; 2.45; 8000;occ; 73; 0;42281
13; 4198.0; 01-APR-2010 21:14:21; Bright; 47.0; 144; 18Del Cyg ; 2.86; 11000;occ; 94; 0;42281
14; 4312.8; 01-APR-2010 21:16:16; Bright; 46.5; 66; 37Gam Cyg ; 2.21; 5900;occ; 93; 0;42281
15; 4435.5; 01-APR-2010 21:18:19; Bright; 45.0; 92; 53Eps Cyg ; 2.50; 4500;occ; 90; 0;42281
16; 4829.5; 01-APR-2010 21:24:53; Dark ; 47.5; 61; 8Eps Peg ; 2.10; 3900;occ; 95; 0;42281
17; 5105.6; 01-APR-2010 21:29:29; Dark ; 43.0; 154; 22Bet Aqr ; 2.90; 5700;occ; 86; 0;42281
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2; -132.8; 01-APR-2010 21:42:47; Dark ; 42.0; 57; 34Sig Sgr ; 2.07; 26000;occ; 84; 0;42281
3; 80.8; 01-APR-2010 21:46:20; Dark ; 56.0; 38; 20Eps Sgr ; 1.84; 11000;occ; 112; 0;42282
4; 306.4; 01-APR-2010 21:50:06; Dark ; 50.5; 40; The Sco ; 1.86; 7100;occ; 101; 0;42282
5; 521.6; 01-APR-2010 21:53:41; Dark ; 39.5; 134; Bet TrA ; 2.81; 6600;occ; 79; 0;42282
6; 679.4; 01-APR-2010 21:56:19; Dark ; 53.0; 4; Alp1Cen ; -0.01; 5800;occ; 106; 0;42282
7; 845.9; 01-APR-2010 21:59:05; Dark ; 48.0; 78; Alp Lup ; 2.30; 28000;occ; 96; 0;42282
8; 942.1; 01-APR-2010 22:00:41; Dark ; 48.0; 81; Eta Cen ; 2.36; 28000;occ; 96; 0;42282
9; 1105.1; 01-APR-2010 22:03:24; Dark ; 53.0; 54; 5The Cen ; 2.06; 4500;occ; 106; 0;42282
10; 1462.2; 01-APR-2010 22:09:21; Dark ; 46.5; 106; 9Bet Crv ; 2.65; 5600;occ; 93; 0;42282
11; 1579.6; 01-APR-2010 22:11:19; Dark ; 43.0; 100; 4Gam Crv ; 2.58; 13100;occ; 86; 0;42282
12; 1688.0; 01-APR-2010 22:13:07; Dark ; 59.5; 15; 67Alp Vir ; 0.98; 28000;occ; 119; 0;42282
13; 1881.8; 01-APR-2010 22:16:21; Bright; 44.0; 121; 29Gam Vir ; 2.74; 7200;occ; 88; 0;42282
14; 2159.5; 01-APR-2010 22:20:59; Bright; 40.5; 62; 94Bet Leo ; 2.14; 9700;occ; 81; 0;42282
15; 2665.8; 01-APR-2010 22:29:25; Bright; 36.5; 174; 52Psi UMa ; 3.00; 4400;occ; 73; 0;42282
16; 2845.9; 01-APR-2010 22:32:25; Bright; 38.0; 87; 64Gam UMa ; 2.43; 11000;occ; 76; 0;42282
17; 2954.9; 01-APR-2010 22:34:14; Bright; 43.0; 32; 77Eps UMa ; 1.76; 11000;occ; 86; 0;42282
18; 3334.4; 01-APR-2010 22:40:34; Bright; 37.0; 60; 7Bet UMi ; 2.08; 3950;occ; 74; 0;42282
19; 3901.3; 01-APR-2010 22:50:01; Bright; 36.0; 89; 5Alp Cep ; 2.45; 8000;occ; 72; 0;42282
20; 4213.2; 01-APR-2010 22:55:12; Bright; 42.0; 19; 50Alp Cyg ; 1.25; 10500;occ; 84; 0;42282
21; 4312.8; 01-APR-2010 22:56:52; Bright; 46.5; 66; 37Gam Cyg ; 2.21; 5900;occ; 93; 0;42282
22; 4435.4; 01-APR-2010 22:58:55; Bright; 44.0; 92; 53Eps Cyg ; 2.50; 4500;occ; 88; 0;42282
23; 4829.9; 01-APR-2010 23:05:29; Dark ; 46.5; 61; 8Eps Peg ; 2.10; 3900;occ; 93; 0;42282
24; 5106.4; 01-APR-2010 23:10:06; Dark ; 41.5; 154; 22Bet Aqr ; 2.90; 5700;occ; 83; 0;42282
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2; -131.7; 01-APR-2010 23:23:23; Dark ; 36.0; 57; 34Sig Sgr ; 2.07; 26000;occ; 72; 0;42282
3; 82.4; 01-APR-2010 23:26:58; Dark ; 55.0; 38; 20Eps Sgr ; 1.84; 11000;occ; 110; 0;42283
4; 307.6; 01-APR-2010 23:30:43; Dark ; 52.5; 40; The Sco ; 1.86; 7100;occ; 105; 0;42283
5; 522.1; 01-APR-2010 23:34:17; Dark ; 40.0; 134; Bet TrA ; 2.81; 6600;occ; 80; 0;42283
6; 680.0; 01-APR-2010 23:36:55; Dark ; 44.5; 4; Alp1Cen ; -0.01; 5800;occ; 89; 0;42283
7; 846.3; 01-APR-2010 23:39:41; Dark ; 46.0; 78; Alp Lup ; 2.30; 28000;occ; 92; 0;42283
8; 942.9; 01-APR-2010 23:41:18; Dark ; 46.5; 81; Eta Cen ; 2.36; 28000;occ; 93; 0;42283
9; 1105.5; 01-APR-2010 23:44:01; Dark ; 53.5; 54; 5The Cen ; 2.06; 4500;occ; 107; 0;42283
10; 1462.5; 01-APR-2010 23:49:58; Dark ; 45.5; 106; 9Bet Crv ; 2.65; 5600;occ; 91; 0;42283
11; 1579.8; 01-APR-2010 23:51:55; Dark ; 44.5; 100; 4Gam Crv ; 2.58; 13100;occ; 89; 0;42283
12; 1687.6; 01-APR-2010 23:53:43; Dark ; 60.0; 15; 67Alp Vir ; 0.98; 28000;occ; 120; 0;42283
13; 1881.7; 01-APR-2010 23:56:57; Bright; 45.0; 121; 29Gam Vir ; 2.74; 7200;occ; 90; 0;42283
14; 2159.6; 02-APR-2010 00:01:35; Bright; 39.5; 62; 94Bet Leo ; 2.14; 9700;occ; 79; 0;42283
15; 2665.6; 02-APR-2010 00:10:01; Bright; 35.0; 174; 52Psi UMa ; 3.00; 4400;occ; 70; 0;42283
16; 2845.7; 02-APR-2010 00:13:01; Bright; 37.0; 87; 64Gam UMa ; 2.43; 11000;occ; 74; 0;42283
17; 2954.5; 02-APR-2010 00:14:50; Bright; 42.5; 32; 77Eps UMa ; 1.76; 11000;occ; 85; 0;42283
18; 3334.0; 02-APR-2010 00:21:09; Bright; 41.0; 60; 7Bet UMi ; 2.08; 3950;occ; 82; 0;42283
19; 3901.1; 02-APR-2010 00:30:36; Bright; 39.5; 89; 5Alp Cep ; 2.45; 8000;occ; 79; 0;42283
20; 4213.4; 02-APR-2010 00:35:49; Bright; 45.0; 19; 50Alp Cyg ; 1.25; 10500;occ; 90; 0;42283
21; 4312.7; 02-APR-2010 00:37:28; Bright; 45.0; 66; 37Gam Cyg ; 2.21; 5900;occ; 90; 0;42283
22; 4435.6; 02-APR-2010 00:39:31; Bright; 44.5; 92; 53Eps Cyg ; 2.50; 4500;occ; 89; 0;42283
23; 4830.0; 02-APR-2010 00:46:05; Dark ; 45.5; 61; 8Eps Peg ; 2.10; 3900;occ; 91; 0;42283
24; 5106.5; 02-APR-2010 00:50:42; Dark ; 44.0; 154; 22Bet Aqr ; 2.90; 5700;occ; 88; 0;42283
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3; -1723.2; 01-APR-2010 06:10:53; Bright; 46.5; 66; 37Gam Cyg ; 2.21; 5900;occ; 93; 0;42272
 4; -1601.7; 01-APR-2010 06:12:54; Bright; 53.0; 92; 53Eps Cyg ; 2.50; 4500;occ; 106; 0;42272
 5; -312.9; 01-APR-2010 06:34:23; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;42272
 6; -145.3; 01-APR-2010 06:37:11; Dark ; 59.5; 57; 34Sig Sgr ; 2.07; 26000;occ; 119; 0;42272
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 9; 517.0; 01-APR-2010 06:48:13; Dark ; 40.5; 134; Bet TrA ; 2.81; 6600;occ; 81; 0;42273
 10; 675.4; 01-APR-2010 06:50:51; Dark ; 48.5; 4; Alp1Cen ; -0.01; 5800;occ; 97; 0;42273
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 13; 1100.6; 01-APR-2010 06:57:57; Dark ; 53.5; 54; 5The Cen ; 2.06; 4500;occ; 107; 0;42273
 14; 1460.4; 01-APR-2010 07:03:56; Dark ; 46.0; 106; 9Bet Crv ; 2.65; 5600;occ; 92; 0;42273
 15; 1578.5; 01-APR-2010 07:05:55; Dark ; 42.5; 100; 4Gam Crv ; 2.58; 13100;occ; 85; 0;42273
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 13; 5723.8; 01-APR-2010 08:15:00; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;42273
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9; 3901.8; 01-APR-2010 12:46:25; Bright; 38.0; 89; 5Alp Cep ; 2.45; 8000;occ; 76; 0;42276
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9; 3901.8; 01-APR-2010 14:27:01; Bright; 38.5; 89; 5Alp Cep ; 2.45; 8000;occ; 77; 0;42277
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9; 4191.8; 04-APR-2010 09:35:48; Bright; 47.0; 144; 18Del Cyg ; 2.86; 11000;occ; 94; 0;42317
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7; 2838.0; 04-APR-2010 14:15:02; Bright; 37.5; 87; 64Gam UMa ; 2.43; 11000;occ; 75; 0;42320
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 13; 5262.0; 21-APR-2010 09:19:07; Dark ; 51.0; 154; 22Bet Aqr ; 2.90; 5700;occ; 102; 0;42560
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 19; 4740.8; 22-APR-2010 23:44:12; Dark ; 43.0; 90; 54Alp Peg ; 2.49; 11000;occ; 86; 0;42583
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 13; 2701.0; 23-APR-2010 02:31:24; Bright; 45.0; 180; 27Gam Boo ; 3.04; 8000;occ; 90; 0;42585

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21; 6631.3; 26-APR-2010 18:48:02; Dark ; 42.5; 141; Bet Ara ; 2.84; 4600;occ; 85; 0;42638
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22; 6632.0; 26-APR-2010 20:28:39; Dark ; 42.0; 141; Bet Ara ; 2.84; 4600;occ; 84; 0;42639
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3; 1239.4; 26-APR-2010 20:39:22; Dark ; 45.0; 54; 5The Cen ; 2.06; 4500;occ; 90; 0;42639
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2; 1587.1; 28-APR-2010 19:41:56; Bright; 48.5; 122; 9Alp2Lib ; 2.75; 9700;occ; 97; 0;42667
3; 2239.5; 28-APR-2010 19:52:49; Bright; 39.5; 111; 8Eta Boo ; 2.68; 6000;occ; 79; 0;42667
4; 2560.5; 28-APR-2010 19:58:10; Bright; 36.0; 152; 12Alp2CVn ; 2.89; 11000;occ; 72; 0;42667
5; 2652.7; 28-APR-2010 19:59:42; Bright; 41.0; 180; 27Gam Boo ; 3.04; 8000;occ; 82; 0;42667
6; 2779.0; 28-APR-2010 20:01:48; Bright; 38.5; 39; 85Eta UMa ; 1.85; 24000;occ; 77; 0;42667
7; 2860.3; 28-APR-2010 20:03:09; Bright; 36.5; 32; 77Eps UMa ; 1.76; 11000;occ; 73; 0;42667
8; 3226.0; 28-APR-2010 20:09:15; Bright; 55.0; 60; 7Bet UMi ; 2.08; 3950;occ; 110; 0;42667
9; 3837.9; 28-APR-2010 20:19:27; Bright; 41.5; 89; 5Alp Cep ; 2.45; 8000;occ; 83; 0;42667
10; 4502.9; 28-APR-2010 20:30:32; Bright; 46.0; 164; 44Eta Peg ; 2.95; 5400;occ; 92; 0;42667
11; 4763.7; 28-APR-2010 20:34:53; Dark ; 44.0; 90; 54Alp Peg ; 2.49; 11000;occ; 88; 0;42667
12; 5152.6; 28-APR-2010 20:41:22; Dark ; 52.0; 162; 34Alp Aqr ; 2.94; 5350;occ; 104; 0;42667
13; 5485.7; 28-APR-2010 20:46:55; Dark ; 48.5; 142; 49Del Cap ; 2.85; 8900;occ; 97; 0;42667
14; 5649.0; 28-APR-2010 20:49:38; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;42667
15; 5772.8; 28-APR-2010 20:51:42; Dark ; 42.5; 172; Gam Gru ; 3.00; 13100;occ; 85; 0;42667
16; 6195.7; 28-APR-2010 20:58:45; Dark ; 42.5; 45; Alp Pav ; 1.94; 26000;occ; 85; 0;42668
17; 6651.0; 28-APR-2010 21:06:20; Dark ; 44.5; 141; Bet Ara ; 2.84; 4600;occ; 89; 0;42668
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3; 616.3; 29-APR-2010 00:27:33; Dark ; 41.5; 141; Bet Ara ; 2.84; 4600;occ; 83; 0;42670
4; 719.4; 29-APR-2010 00:29:16; Dark ; 51.5; 40; The Sco ; 1.86; 7100;occ; 103; 0;42670
5; 1120.4; 29-APR-2010 00:35:57; Dark ; 40.0; 81; Eta Cen ; 2.36; 28000;occ; 80; 0;42670
6; 1586.9; 29-APR-2010 00:43:44; Bright; 49.0; 122; 9Alp2Lib ; 2.75; 9700;occ; 98; 0;42670
7; 2239.1; 29-APR-2010 00:54:36; Bright; 39.5; 111; 8Eta Boo ; 2.68; 6000;occ; 79; 0;42670
8; 2472.6; 29-APR-2010 00:58:29; Bright; 48.0; 83; ; 2.38; 11000;occ; 96; 0;42670
9; 2650.8; 29-APR-2010 01:01:27; Bright; 41.5; 180; 27Gam Boo ; 3.04; 8000;occ; 83; 0;42670
10; 2777.9; 29-APR-2010 01:03:35; Bright; 38.0; 39; 85Eta UMa ; 1.85; 24000;occ; 76; 0;42670
11; 2855.0; 29-APR-2010 01:04:52; Bright; 37.5; 55; 79Zet UMa ; 2.06; 10200;occ; 75; 0;42670
12; 3225.3; 29-APR-2010 01:11:02; Bright; 38.0; 60; 7Bet UMi ; 2.08; 3950;occ; 76; 0;42670
13; 3836.9; 29-APR-2010 01:21:14; Bright; 44.0; 89; 5Alp Cep ; 2.45; 8000;occ; 88; 0;42670
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16; 5154.8; 29-APR-2010 01:43:11; Dark ; 50.5; 162; 34Alp Aqr ; 2.94; 5350;occ; 101; 0;42670

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 4; 161.6; 29-APR-2010 02:00:34; Dark ; 43.0; 45; Alp Pav ; 1.94; 26000;occ; 86; 0;42671
 5; 617.1; 29-APR-2010 02:08:10; Dark ; 54.0; 141; Bet Ara ; 2.84; 4600;occ; 108; 0;42671
 6; 720.3; 29-APR-2010 02:09:53; Dark ; 51.5; 40; The Sco ; 1.86; 7100;occ; 103; 0;42671
 7; 1120.6; 29-APR-2010 02:16:33; Dark ; 43.0; 81; Eta Cen ; 2.36; 28000;occ; 86; 0;42671
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 9; 2239.2; 29-APR-2010 02:35:12; Bright; 40.5; 111; 8Eta Boo ; 2.68; 6000;occ; 81; 0;42671
 10; 2472.1; 29-APR-2010 02:39:05; Bright; 49.0; 83; ; 2.38; 11000;occ; 98; 0;42671
 11; 2650.4; 29-APR-2010 02:42:03; Bright; 42.0; 180; 27Gam Boo ; 3.04; 8000;occ; 84; 0;42671
 12; 2777.6; 29-APR-2010 02:44:10; Bright; 37.5; 39; 85Eta UMa ; 1.85; 24000;occ; 75; 0;42671
 13; 2854.5; 29-APR-2010 02:45:27; Bright; 37.5; 55; 79Zet UMa ; 2.06; 10200;occ; 75; 0;42671
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 5; -546.7; 29-APR-2010 03:29:22; Dark ; 50.0; 142; 49Del Cap ; 2.85; 8900;occ; 100; 0;42671
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 8; 162.3; 29-APR-2010 03:41:11; Dark ; 45.5; 45; Alp Pav ; 1.94; 26000;occ; 91; 0;42672
 9; 617.6; 29-APR-2010 03:48:46; Dark ; 45.0; 141; Bet Ara ; 2.84; 4600;occ; 90; 0;42672
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 12; 1587.1; 29-APR-2010 04:04:56; Bright; 46.5; 122; 9Alp2Lib ; 2.75; 9700;occ; 93; 0;42672
 13; 2238.7; 29-APR-2010 04:15:47; Bright; 39.0; 111; 8Eta Boo ; 2.68; 6000;occ; 78; 0;42672
 14; 2471.6; 29-APR-2010 04:19:40; Bright; 48.0; 83; ; 2.38; 11000;occ; 96; 0;42672
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 16; 2777.6; 29-APR-2010 04:24:46; Bright; 38.0; 39; 85Eta UMa ; 1.85; 24000;occ; 76; 0;42672
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 5; -545.7; 29-APR-2010 05:09:59; Dark ; 51.5; 142; 49Del Cap ; 2.85; 8900;occ; 103; 0;42672
 6; -384.2; 29-APR-2010 05:12:40; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;42672
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 9; 618.4; 29-APR-2010 05:29:23; Dark ; 43.0; 141; Bet Ara ; 2.84; 4600;occ; 86; 0;42673
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 11; 1121.2; 29-APR-2010 05:37:46; Dark ; 40.5; 81; Eta Cen ; 2.36; 28000;occ; 81; 0;42673
 12; 1587.2; 29-APR-2010 05:45:32; Bright; 45.5; 122; 9Alp2Lib ; 2.75; 9700;occ; 91; 0;42673
 13; 2238.2; 29-APR-2010 05:56:23; Bright; 40.5; 111; 8Eta Boo ; 2.68; 6000;occ; 81; 0;42673
 14; 2470.9; 29-APR-2010 06:00:15; Bright; 49.0; 83; ; 2.38; 11000;occ; 98; 0;42673
 15; 2649.6; 29-APR-2010 06:03:14; Bright; 41.5; 180; 27Gam Boo ; 3.04; 8000;occ; 83; 0;42673
 16; 2777.3; 29-APR-2010 06:05:22; Bright; 38.0; 39; 85Eta UMa ; 1.85; 24000;occ; 76; 0;42673
 17; 2854.4; 29-APR-2010 06:06:39; Bright; 37.0; 55; 79Zet UMa ; 2.06; 10200;occ; 74; 0;42673
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 4; 1394.3; 29-APR-2010 20:47:42; Dark ; 61.5; 80; 7Del Sco ; 2.32; 30000;occ; 123; 0;42682
 5; 1588.2; 29-APR-2010 20:50:56; Bright; 48.0; 122; 9Alp2Lib ; 2.75; 9700;occ; 96; 0;42682
 6; 1729.4; 29-APR-2010 20:53:17; Bright; 49.5; 104; 27Bet Lib ; 2.61; 13100;occ; 99; 0;42682
 7; 2236.8; 29-APR-2010 21:01:45; Bright; 38.0; 111; 8Eta Boo ; 2.68; 6000;occ; 76; 0;42682
 8; 2465.8; 29-APR-2010 21:05:34; Bright; 48.5; 83; ; 2.38; 11000;occ; 97; 0;42682
 9; 2644.9; 29-APR-2010 21:08:33; Bright; 43.0; 180; 27Gam Boo ; 3.04; 8000;occ; 86; 0;42682
 10; 2774.6; 29-APR-2010 21:10:43; Bright; 40.0; 39; 85Eta UMa ; 1.85; 24000;occ; 80; 0;42682
 11; 3222.1; 29-APR-2010 21:18:10; Bright; 44.5; 119; 14Eta Dra ; 2.73; 4700;occ; 89; 0;42682
 12; 3833.5; 29-APR-2010 21:28:22; Bright; 42.0; 89; 5Alp Cep ; 2.45; 8000;occ; 84; 0;42682
 13; 4146.5; 29-APR-2010 21:33:34; Bright; 60.5; 19; 50Alp Cyg ; 1.25; 10500;occ; 121; 0;42682
 14; 4505.5; 29-APR-2010 21:39:34; Bright; 43.5; 164; 44Eta Peg ; 2.95; 5400;occ; 87; 0;42682


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16; 5017.3; 29-APR-2010 21:48:05; Dark ; 65.5; 61; 8Eps Peg ; 2.10; 3900;occ; 131; 0;42682
17; 5163.7; 29-APR-2010 21:50:32; Dark ; 53.5; 162; 34Alp Aqr ; 2.94; 5350;occ; 107; 0;42682
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3; 624.6; 29-APR-2010 22:15:29; Dark ; 43.5; 141; Bet Ara ; 2.84; 4600;occ; 87; 0;42683
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5; 834.7; 29-APR-2010 22:18:59; Dark ; 61.5; 25; 35Lam Sco ; 1.62; 28000;occ; 123; 0;42683
6; 1026.6; 29-APR-2010 22:22:11; Dark ; 58.0; 75; 26Eps Sco ; 2.29; 4250;occ; 116; 0;42683
7; 1256.0; 29-APR-2010 22:26:00; Dark ; 77.0; 16; 21Alp Sco ; 1.02; 3000;occ; 154; 0;42683
8; 1394.7; 29-APR-2010 22:28:19; Dark ; 61.0; 80; 7Del Sco ; 2.32; 30000;occ; 122; 0;42683
9; 1588.3; 29-APR-2010 22:31:32; Bright; 47.0; 122; 9Alp2Lib ; 2.75; 9700;occ; 94; 0;42683
10; 1729.7; 29-APR-2010 22:33:54; Bright; 48.5; 104; 27Bet Lib ; 2.61; 13100;occ; 97; 0;42683
11; 2236.5; 29-APR-2010 22:42:20; Bright; 39.0; 111; 8Eta Boo ; 2.68; 6000;occ; 78; 0;42683
12; 2465.4; 29-APR-2010 22:46:09; Bright; 44.0; 83; ; 2.38; 11000;occ; 88; 0;42683
13; 2644.7; 29-APR-2010 22:49:09; Bright; 40.5; 180; 27Gam Boo ; 3.04; 8000;occ; 81; 0;42683
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16; 3833.4; 29-APR-2010 23:08:57; Bright; 43.5; 89; 5Alp Cep ; 2.45; 8000;occ; 87; 0;42683
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21; 5164.5; 29-APR-2010 23:31:08; Dark ; 55.0; 162; 34Alp Aqr ; 2.94; 5350;occ; 110; 0;42683
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8; 163.6; 29-APR-2010 07:02:24; Dark ; 41.0; 45; Alp Pav ; 1.94; 26000;occ; 82; 0;42674
9; 618.8; 29-APR-2010 07:09:59; Dark ; 45.0; 141; Bet Ara ; 2.84; 4600;occ; 90; 0;42674
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7; 3836.2; 29-APR-2010 08:03:37; Bright; 40.5; 89; 5Alp Cep ; 2.45; 8000;occ; 81; 0;42674
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10; 5157.7; 29-APR-2010 08:25:38; Dark ; 55.5; 162; 34Alp Aqr ; 2.94; 5350;occ; 111; 0;42674
11; 5492.0; 29-APR-2010 08:31:13; Dark ; 51.0; 142; 49Del Cap ; 2.85; 8900;occ; 102; 0;42674
12; 5652.9; 29-APR-2010 08:33:53; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;42674
13; 5778.1; 29-APR-2010 08:35:59; Dark ; 40.5; 172; Gam Gru ; 3.00; 13100;occ; 81; 0;42674
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