

GOMOS Daily Report 07-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	10APR2010 04:43:55
Data source version	GOMOS/5.00L04
Start time of products	07APR2010 00:08:04
Stop time of products	07APR2010 23:56:11
Store outputs in DB	Yes
Nb of level 1b prods	123
Nb of prods with errors	1

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

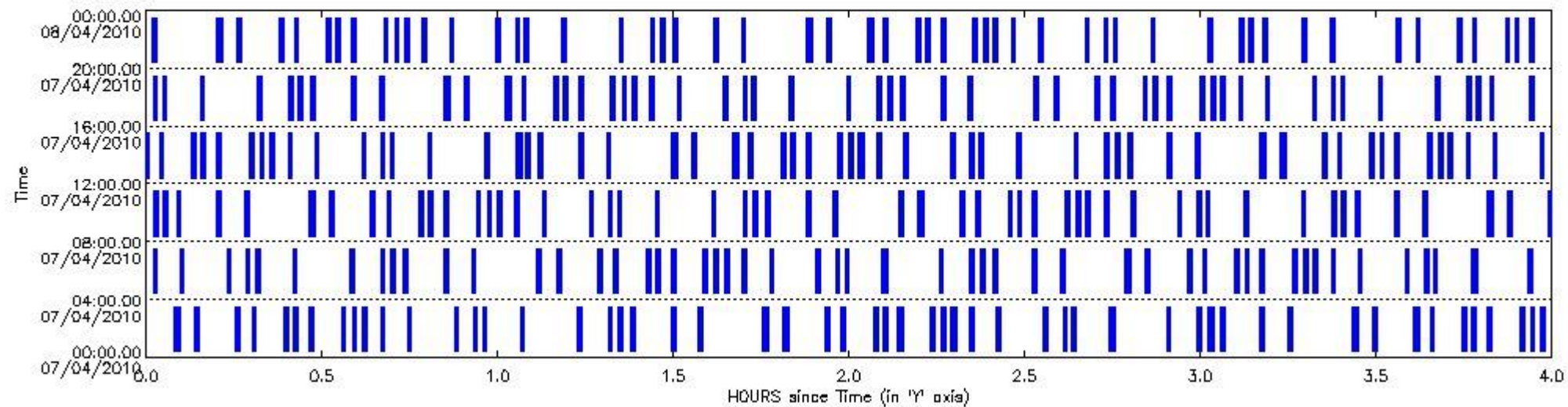
2.1 Level 0 products arrived in PCF (see template [here](#))

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)

No missing products.

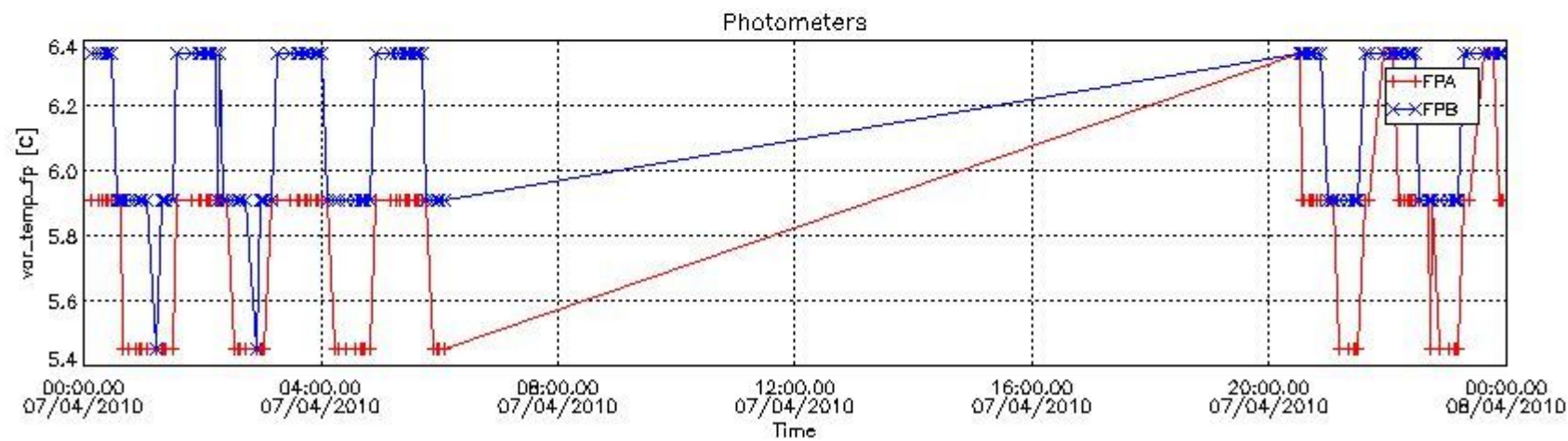
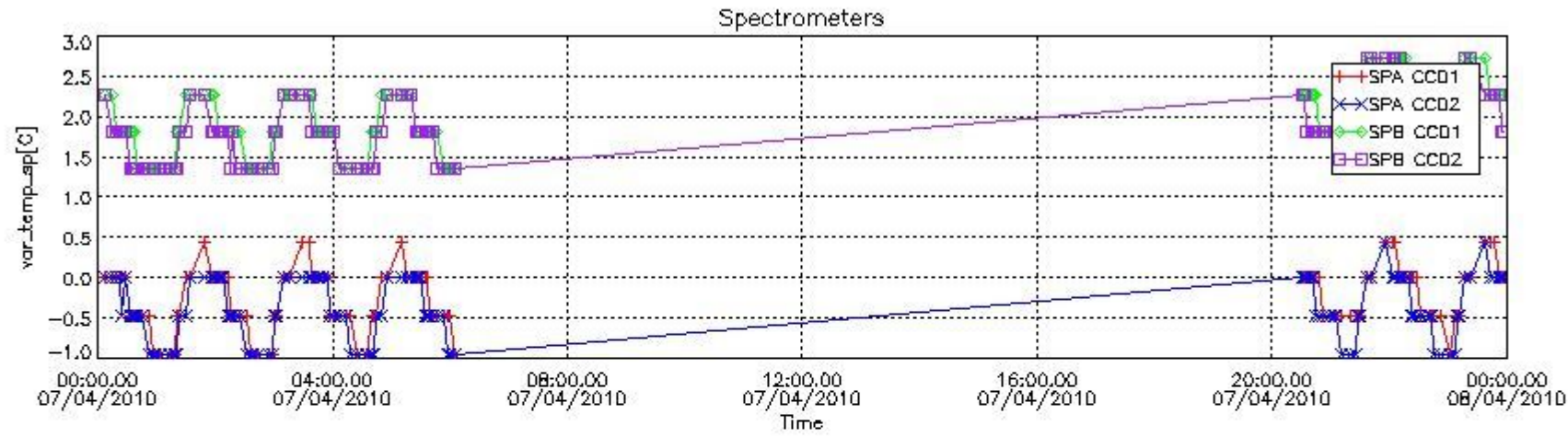
2.4 Summary of processed GOM_TRA_1P products

Nr	Filename	UTC Start time	Limb	Duration	Star Id	Star Name	Star Mag	Star Temp	Nb Meas	Orbit	Prod. error
1	GOM_TRA_1PNPDE20100407_000804_000000532088_00216_42354_2263.N1	07-APR-2010 00:08:04	Dark	53.000	103	38Zet Sgr	2.6000	9700.0	106	42354	No
2	GOM_TRA_1PNPDE20100407_001510_000000532088_00217_42355_2264.N1	07-APR-2010 00:15:10	Dark	53.000	40	The Sco	1.8590	7100.0	106	42355	No
3	GOM_TRA_1PNPDE20100407_001800_000000402088_00217_42355_2265.N1	07-APR-2010 00:18:00	Dark	40.000	134	Bet TrA	2.8100	6600.0	80	42355	No
4	GOM_TRA_1PNPDE20100407_002330_000000442088_00217_42355_2266.N1	07-APR-2010 00:23:30	Straylight	43.500	78	Alp Lup	2.3040	28000.	87	42355	No
5	GOM_TRA_1PNPDE20100407_002507_000000452088_00217_42355_2267.N1	07-APR-2010 00:25:07	Straylight	44.500	81	Eta Cen	2.3560	28000.	89	42355	No
6	GOM_TRA_1PNPDE20100407_002741_000000502088_00217_42355_2268.N1	07-APR-2010 00:27:41	Straylight	50.000	54	5The Cen	2.0550	4500.0	100	42355	No
7	GOM_TRA_1PNPDE20100407_003317_000000442088_00217_42355_2269.N1	07-APR-2010 00:33:17	Twilight_stray	44.000	106	9Bet Crv	2.6480	5600.0	88	42355	No
8	GOM_TRA_1PNPDE20100407_003511_000000442088_00217_42355_2270.N1	07-APR-2010 00:35:11	Twilight_stray	43.500	100	4Gam Crv	2.5800	13100.	87	42355	No
9	GOM_TRA_1PNPDE20100407_003649_000000512088_00217_42355_2271.N1	07-APR-2010 00:36:49	Bright	50.500	15	67Alp Vir	0.97600	28000.	101	42355	No
10	GOM_TRA_1PNPDE20100407_003958_000000432088_00217_42355_2272.N1	07-APR-2010 00:39:58	Bright	43.000	121	29Gam Vir	2.7400	7200.0	86	42355	No
11	GOM_TRA_1PNPDE20100407_004437_000000372088_00217_42355_2273.N1	07-APR-2010 00:44:37	Bright	37.000	62	94Bet Leo	2.1360	9700.0	74	42355	No
12	GOM_TRA_1PNPDE20100407_005236_000000422088_00217_42355_2274.N1	07-APR-2010 00:52:36	Bright	41.500	152	12Alp2CVn	2.8900	11000.	83	42355	No

13	GOM_TRA_1PNPDE20100407_005553_000000362088_00217_42355_2275.N1	07-APR-2010 00:55:53	Bright	36.000	87	64Gam UMa	2.4330	11000.	72	42355	No
14	GOM_TRA_1PNPDE20100407_005727_000000402088_00217_42355_2276.N1	07-APR-2010 00:57:27	Bright	40.000	32	77Eps UMa	1.7630	11000.	80	42355	No
15	GOM_TRA_1PNPDE20100407_010352_000000372088_00217_42355_2277.N1	07-APR-2010 01:03:52	Bright	37.000	60	7Bet UMi	2.0810	3950.0	74	42355	No
16	GOM_TRA_1PNPDE20100407_011337_000000382088_00217_42355_2278.N1	07-APR-2010 01:13:37	Bright	38.000	89	5Alp Cep	2.4510	8000.0	76	42355	No
17	GOM_TRA_1PNPDE20100407_011851_000000442088_00217_42355_2279.N1	07-APR-2010 01:18:51	Bright	43.500	19	50Alp Cyg	1.2460	10500.	87	42355	No
18	GOM_TRA_1PNPDE20100407_012032_000000492088_00217_42355_2280.N1	07-APR-2010 01:20:32	Bright	49.000	66	37Gam Cyg	2.2080	5900.0	98	42355	No
19	GOM_TRA_1PNPDE20100407_012244_000000472088_00217_42355_2281.N1	07-APR-2010 01:22:44	Bright	47.000	92	53Eps Cyg	2.5000	4500.0	94	42355	No
20	GOM_TRA_1PNPDE20100407_012933_000000532088_00217_42355_2282.N1	07-APR-2010 01:29:33	Twilight	52.500	61	8Eps Peg	2.1000	3900.0	105	42355	No
21	GOM_TRA_1PNPDE20100407_013418_000000462088_00217_42355_2285.N1	07-APR-2010 01:34:18	Dark	46.000	154	22Bet Aqr	2.8990	5700.0	92	42355	Yes
22	GOM_TRA_1PNPDE20100407_014842_000000572088_00217_42355_2286.N1	07-APR-2010 01:48:42	Dark	56.500	103	38Zet Sgr	2.6000	9700.0	113	42355	No
23	GOM_TRA_1PNPDE20100407_015547_000000532088_00218_42356_2287.N1	07-APR-2010 01:55:47	Dark	52.500	40	The Sco	1.8590	7100.0	105	42356	No
24	GOM_TRA_1PNPDE20100407_015836_000000392088_00218_42356_2288.N1	07-APR-2010 01:58:36	Dark	38.500	134	Bet TrA	2.8100	6600.0	77	42356	No
25	GOM_TRA_1PNPDE20100407_020406_000000472088_00218_42356_2289.N1	07-APR-2010 02:04:06	Straylight	46.500	78	Alp Lup	2.3040	28000.	93	42356	No
26	GOM_TRA_1PNPDE20100407_020543_000000482088_00218_42356_2290.N1	07-APR-2010 02:05:43	Straylight	47.500	81	Eta Cen	2.3560	28000.	95	42356	No
27	GOM_TRA_1PNPDE20100407_020818_000000552088_00218_42356_2291.N1	07-APR-2010 02:08:18	Straylight	55.000	54	5The Cen	2.0550	4500.0	110	42356	No
28	GOM_TRA_1PNPDE20100407_021354_000000442088_00218_42356_2292.N1	07-APR-2010 02:13:54	Twilight	44.000	106	9Bet Crv	2.6480	5600.0	88	42356	No
29	GOM_TRA_1PNPDE20100407_021547_000000452088_00218_42356_2293.N1	07-APR-2010 02:15:47	Twilight	44.500	100	4Gam Crv	2.5800	13100.	89	42356	No
30	GOM_TRA_1PNPDE20100407_021725_000000532088_00218_42356_2294.N1	07-APR-2010 02:17:25	Bright	52.500	15	67Alp Vir	0.97600	28000.	105	42356	No
31	GOM_TRA_1PNPDE20100407_022033_000000432088_00218_42356_2295.N1	07-APR-2010 02:20:33	Bright	43.000	121	29Gam Vir	2.7400	7200.0	86	42356	No
32	GOM_TRA_1PNPDE20100407_022512_000000372088_00218_42356_2296.N1	07-APR-2010 02:25:12	Bright	37.000	62	94Bet Leo	2.1360	9700.0	74	42356	No
33	GOM_TRA_1PNPDE20100407_023312_000000422088_00218_42356_2297.N1	07-APR-2010 02:33:12	Bright	41.500	152	12Alp2CVn	2.8900	11000.	83	42356	No
34	GOM_TRA_1PNPDE20100407_023629_000000362088_00218_42356_2298.N1	07-APR-2010 02:36:29	Bright	35.500	87	64Gam UMa	2.4330	11000.	71	42356	No
35	GOM_TRA_1PNPDE20100407_023803_000000402088_00218_42356_2299.N1	07-APR-2010 02:38:03	Bright	39.500	32	77Eps UMa	1.7630	11000.	79	42356	No
36	GOM_TRA_1PNPDE20100407_024428_000000542088_00218_42356_2300.N1	07-APR-2010 02:44:28	Bright	53.500	60	7Bet UMi	2.0810	3950.0	107	42356	No
37	GOM_TRA_1PNPDE20100407_025413_000000392088_00218_42356_2309.N1	07-APR-2010 02:54:13	Bright	38.500	89	5Alp Cep	2.4510	8000.0	77	42356	No
38	GOM_TRA_1PNPDE20100407_025927_000000452088_00218_42356_2310.N1	07-APR-2010 02:59:27	Bright	44.500	19	50Alp Cyg	1.2460	10500.	89	42356	No
39	GOM_TRA_1PNPDE20100407_030108_000000672088_00218_42356_2311.N1	07-APR-2010 03:01:08	Bright	67.000	66	37Gam Cyg	2.2080	5900.0	134	42356	No
40	GOM_TRA_1PNPDE20100407_030320_000000472088_00218_42356_2312.N1	07-APR-2010 03:03:20	Bright	47.000	92	53Eps Cyg	2.5000	4500.0	94	42356	No
41	GOM_TRA_1PNPDE20100407_031010_000000502088_00218_42356_2313.N1	07-APR-2010 03:10:10	Twilight	49.500	61	8Eps Peg	2.1000	3900.0	99	42356	No
42	GOM_TRA_1PNPDE20100407_031454_000000442088_00218_42356_2314.N1	07-APR-2010 03:14:54	Dark	43.500	154	22Bet Aqr	2.8990	5700.0	87	42356	No
43	GOM_TRA_1PNPDE20100407_032919_000000542088_00218_42356_2315.N1	07-APR-2010 03:29:19	Dark	53.500	103	38Zet Sgr	2.6000	9700.0	107	42356	No
44	GOM_TRA_1PNPDE20100407_033624_000000532088_00219_42357_2316.N1	07-APR-2010 03:36:24	Dark	53.000	40	The Sco	1.8590	7100.0	106	42357	No
45	GOM_TRA_1PNPDE20100407_033913_000000402088_00219_42357_2317.N1	07-APR-2010 03:39:13	Dark	39.500	134	Bet TrA	2.8100	6600.0	79	42357	No
46	GOM_TRA_1PNPDE20100407_034443_000000462088_00219_42357_2318.N1	07-APR-2010 03:44:43	Straylight	46.000	78	Alp Lup	2.3040	28000.	92	42357	No
47	GOM_TRA_1PNPDE20100407_034620_000000462088_00219_42357_2319.N1	07-APR-2010 03:46:20	Straylight	45.500	81	Eta Cen	2.3560	28000.	91	42357	No
48	GOM_TRA_1PNPDE20100407_034854_000000512088_00219_42357_2320.N1	07-APR-2010 03:48:54	Straylight	50.500	54	5The Cen	2.0550	4500.0	101	42357	No
49	GOM_TRA_1PNPDE20100407_035430_000000452088_00219_42357_2321.N1	07-APR-2010 03:54:30	Twilight	45.000	106	9Bet Crv	2.6480	5600.0	90	42357	No
50	GOM_TRA_1PNPDE20100407_035623_000000412088_00219_42357_2322.N1	07-APR-2010 03:56:23	Twilight	40.500	100	4Gam Crv	2.5800	13100.	81	42357	No
51	GOM_TRA_1PNPDE20100407_035801_000000542088_00219_42357_2323.N1	07-APR-2010 03:58:01	Bright	54.000	15	67Alp Vir	0.97600	28000.	108	42357	No
52	GOM_TRA_1PNPDE20100407_040109_000000432088_00219_42357_2324.N1	07-APR-2010 04:01:09	Bright	42.500	121	29Gam Vir	2.7400	7200.0	85	42357	No
53	GOM_TRA_1PNPDE20100407_040549_000000382088_00219_42357_2325.N1	07-APR-2010 04:05:49	Bright	37.500	62	94Bet Leo	2.1360	9700.0	75	42357	No
54	GOM_TRA_1PNPDE20100407_041347_000000412088_00219_42357_2326.N1	07-APR-2010 04:13:47	Bright	40.500	152	12Alp2CVn	2.8900	11000.	81	42357	No
55	GOM_TRA_1PNPDE20100407_041705_000000372088_00219_42357_2327.N1	07-APR-2010 04:17:05	Bright	37.000	87	64Gam UMa	2.4330	11000.	74	42357	No
56	GOM_TRA_1PNPDE20100407_041838_000000412088_00219_42357_2328.N1	07-APR-2010 04:18:38	Bright	41.000	32	77Eps UMa	1.7630	11000.	82	42357	No
57	GOM_TRA_1PNPDE20100407_042504_000000412088_00219_42357_2329.N1	07-APR-2010 04:25:04	Bright	40.500	60	7Bet UMi	2.0810	3950.0	81	42357	No
58	GOM_TRA_1PNPDE20100407_043449_000000392088_00219_42357_2337.N1	07-APR-2010 04:34:49	Bright	38.500	89	5Alp Cep	2.4510	8000.0	77	42357	No
59	GOM_TRA_1PNPDE20100407_044003_000000412088_00219_42357_2338.N1	07-APR-2010 04:40:03	Bright	40.500	19	50Alp Cyg	1.2460	10500.	81	42357	No
60	GOM_TRA_1PNPDE20100407_044145_000000502088_00219_42357_2339.N1	07-APR-2010 04:41:45	Bright	50.000	66	37Gam Cyg	2.2080	5900.0	100	42357	No
61	GOM_TRA_1PNPDE20100407_044357_000000472088_00219_42357_2340.N1	07-APR-2010 04:43:57	Bright	47.000	92	53Eps Cyg	2.5000	4500.0	94	42357	No
62	GOM_TRA_1PNPDE20100407_045046_000000482088_00219_42357_2341.N1	07-APR-2010 04:50:46	Twilight	48.000	61	8Eps Peg	2.1000	3900.0	96	42357	No
63	GOM_TRA_1PNPDE20100407_045531_000000462088_00219_42357_2342.N1	07-APR-2010 04:55:31	Dark	45.500	154	22Bet Aqr	2.8990	5700.0	91	42357	No
64	GOM_TRA_1PNPDE20100407_050956_000000572088_00219_42357_2343.N1	07-APR-2010 05:09:56	Dark	56.500	103	38Zet Sgr	2.6000	9700.0	113	42357	No
65	GOM_TRA_1PNPDE20100407_051702_000000562088_00220_42358_2344.N1	07-APR-2010 05:17:02	Dark	55.500	40	The Sco	1.8590	7100.0	111	42358	No
66	GOM_TRA_1PNPDE20100407_051949_000000402088_00220_42358_2345.N1	07-APR-2010 05:19:49	Dark	39.500	134	Bet TrA	2.8100	6600.0	79	42358	No
67	GOM_TRA_1PNPDE20100407_052519_000000422088_00220_42358_2346.N1	07-APR-2010 05:25:19	Straylight	42.000	78	Alp Lup	2.3040	28000.	84	42358	No
68	GOM_TRA_1PNPDE20100407_052656_000000442088_00220_42358_2347.N1	07-APR-2010 05:26:56	Straylight	43.500	81	Eta Cen	2.3560	28000.	87	42358	No
69	GOM_TRA_1PNPDE20100407_052931_000000522088_00220_42358_2348.N1	07-APR-2010 05:29:31	Straylight	51.500	54	5The Cen	2.0550	4500.0	103	42358	No
70	GOM_TRA_1PNPDE20100407_053506_000000412088_00220_42358_2349.N1	07-APR-2010 05:35:06	Twilight	40.500	106	9Bet Crv	2.6480	5600.0	81	42358	No
71	GOM_TRA_1PNPDE20100407_053700_000000412088_00220_42358_2350.N1	07-APR-2010 05:37:00	Twilight	41.000	100	4Gam Crv	2.5800	13100.	82	42358	No

72	GOM_TRA_1PNPDE20100407_053837_000000522088_00220_42358_2351.N1	07-APR-2010 05:38:37	Bright	52.000	15	67Alp Vir	0.97600	28000.	104	42358	No
73	GOM_TRA_1PNPDE20100407_054145_000000422088_00220_42358_2352.N1	07-APR-2010 05:41:45	Bright	41.500	121	29Gam Vir	2.7400	7200.0	83	42358	No
74	GOM_TRA_1PNPDE20100407_054625_000000382088_00220_42358_2353.N1	07-APR-2010 05:46:25	Bright	37.500	62	94Bet Leo	2.1360	9700.0	75	42358	No
75	GOM_TRA_1PNPDE20100407_055423_000000432088_00220_42358_2354.N1	07-APR-2010 05:54:23	Bright	42.500	152	12Alp2CVn	2.8900	11000.	85	42358	No
76	GOM_TRA_1PNPDE20100407_055741_000000392088_00220_42358_2355.N1	07-APR-2010 05:57:41	Bright	38.500	87	64Gam UMa	2.4330	11000.	77	42358	No
77	GOM_TRA_1PNPDE20100407_055914_000000392088_00220_42358_2356.N1	07-APR-2010 05:59:14	Bright	39.000	32	77Eps UMa	1.7630	11000.	78	42358	No
78	GOM_TRA_1PNPDE20100407_060539_000000572088_00220_42358_2357.N1	07-APR-2010 06:05:39	Bright	56.500	60	7Bet UMi	2.0810	3950.0	113	42358	No
79	GOM_TRA_1PNPDE20100407_203048_000000462088_00229_42367_2464.N1	07-APR-2010 20:30:48	Straylight	46.000	78	Alp Lup	2.3040	28000.	92	42367	No
80	GOM_TRA_1PNPDE20100407_203225_000000482088_00229_42367_2465.N1	07-APR-2010 20:32:25	Straylight	48.000	81	Eta Cen	2.3560	28000.	96	42367	No
81	GOM_TRA_1PNPDE20100407_203458_000000502088_00229_42367_2466.N1	07-APR-2010 20:34:58	Straylight	50.000	54	5The Cen	2.0550	4500.0	100	42367	No
82	GOM_TRA_1PNPDE20100407_204031_000000422088_00229_42367_2467.N1	07-APR-2010 20:40:31	Twilight_stray	42.000	106	9Bet Crv	2.6480	5600.0	84	42367	No
83	GOM_TRA_1PNPDE20100407_204224_000000412088_00229_42367_2468.N1	07-APR-2010 20:42:24	Twilight_stray	41.000	100	4Gam Crv	2.5800	13100.	82	42367	No
84	GOM_TRA_1PNPDE20100407_204400_000000522088_00229_42367_2469.N1	07-APR-2010 20:44:00	Bright	52.000	15	67Alp Vir	0.97600	28000.	104	42367	No
85	GOM_TRA_1PNPDE20100407_204708_000000422088_00229_42367_2470.N1	07-APR-2010 20:47:08	Bright	42.000	121	29Gam Vir	2.7400	7200.0	84	42367	No
86	GOM_TRA_1PNPDE20100407_205148_000000372088_00229_42367_2471.N1	07-APR-2010 20:51:48	Bright	36.500	62	94Bet Leo	2.1360	9700.0	73	42367	No
87	GOM_TRA_1PNPDE20100407_205942_000000382088_00229_42367_2472.N1	07-APR-2010 20:59:42	Bright	38.000	152	12Alp2CVn	2.8900	11000.	76	42367	No
88	GOM_TRA_1PNPDE20100407_210303_000000362088_00229_42367_2473.N1	07-APR-2010 21:03:03	Bright	35.500	87	64Gam UMa	2.4330	11000.	71	42367	No
89	GOM_TRA_1PNPDE20100407_210434_000000402088_00229_42367_2474.N1	07-APR-2010 21:04:34	Bright	40.000	32	77Eps UMa	1.7630	11000.	80	42367	No
90	GOM_TRA_1PNPDE20100407_211100_000000402088_00229_42367_2475.N1	07-APR-2010 21:11:00	Bright	40.000	60	7Bet UMi	2.0810	3950.0	80	42367	No
91	GOM_TRA_1PNPDE20100407_212047_000000402088_00229_42367_2476.N1	07-APR-2010 21:20:47	Bright	39.500	89	5Alp Cep	2.4510	8000.0	79	42367	No
92	GOM_TRA_1PNPDE20100407_212601_000000462088_00229_42367_2477.N1	07-APR-2010 21:26:01	Bright	45.500	19	50Alp Cyg	1.2460	10500.	91	42367	No
93	GOM_TRA_1PNPDE20100407_212743_000000512088_00229_42367_2478.N1	07-APR-2010 21:27:43	Bright	51.000	66	37Gam Cyg	2.2080	5900.0	102	42367	No
94	GOM_TRA_1PNPDE20100407_212957_000000462088_00229_42367_2479.N1	07-APR-2010 21:29:57	Bright	46.000	92	53Eps Cyg	2.5000	4500.0	92	42367	No
95	GOM_TRA_1PNPDE20100407_213649_000000482088_00229_42367_2480.N1	07-APR-2010 21:36:49	Twilight_stray	48.000	61	8Eps Peg	2.1000	3900.0	96	42367	No
96	GOM_TRA_1PNPDE20100407_214135_000000452088_00229_42367_2481.N1	07-APR-2010 21:41:35	Dark	44.500	154	22Bet Aqr	2.8990	5700.0	89	42367	No
97	GOM_TRA_1PNPDE20100407_215609_000000442088_00229_42367_2484.N1	07-APR-2010 21:56:09	Dark	44.000	103	38Zet Sgr	2.6000	9700.0	88	42367	No
98	GOM_TRA_1PNPDE20100407_220312_000000532088_00230_42368_2485.N1	07-APR-2010 22:03:12	Dark	53.000	40	The Sco	1.8590	7100.0	106	42368	No
99	GOM_TRA_1PNPDE20100407_220553_000000402088_00230_42368_2486.N1	07-APR-2010 22:05:53	Dark	39.500	134	Bet TrA	2.8100	6600.0	79	42368	No
100	GOM_TRA_1PNPDE20100407_221124_000000462088_00230_42368_2487.N1	07-APR-2010 22:11:24	Straylight	46.000	78	Alp Lup	2.3040	28000.	92	42368	No
101	GOM_TRA_1PNPDE20100407_221301_000000472088_00230_42368_2488.N1	07-APR-2010 22:13:01	Straylight	46.500	81	Eta Cen	2.3560	28000.	93	42368	No
102	GOM_TRA_1PNPDE20100407_221534_000000502088_00230_42368_2489.N1	07-APR-2010 22:15:34	Straylight	50.000	54	5The Cen	2.0550	4500.0	100	42368	No
103	GOM_TRA_1PNPDE20100407_222107_000000452088_00230_42368_2490.N1	07-APR-2010 22:21:07	Twilight_stray	44.500	106	9Bet Crv	2.6480	5600.0	89	42368	No
104	GOM_TRA_1PNPDE20100407_222300_000000442088_00230_42368_2491.N1	07-APR-2010 22:23:00	Twilight_stray	43.500	100	4Gam Crv	2.5800	13100.	87	42368	No
105	GOM_TRA_1PNPDE20100407_222436_000000502088_00230_42368_2492.N1	07-APR-2010 22:24:36	Bright	50.000	15	67Alp Vir	0.97600	28000.	100	42368	No
106	GOM_TRA_1PNPDE20100407_222744_000000422088_00230_42368_2493.N1	07-APR-2010 22:27:44	Bright	41.500	121	29Gam Vir	2.7400	7200.0	83	42368	No
107	GOM_TRA_1PNPDE20100407_223223_000000372088_00230_42368_2494.N1	07-APR-2010 22:32:23	Bright	36.500	62	94Bet Leo	2.1360	9700.0	73	42368	No
108	GOM_TRA_1PNPDE20100407_224017_000000402088_00230_42368_2495.N1	07-APR-2010 22:40:17	Bright	40.000	152	12Alp2CVn	2.8900	11000.	80	42368	No
109	GOM_TRA_1PNPDE20100407_224338_000000352088_00230_42368_2496.N1	07-APR-2010 22:43:38	Bright	35.000	87	64Gam UMa	2.4330	11000.	70	42368	No
110	GOM_TRA_1PNPDE20100407_224510_000000402088_00230_42368_2497.N1	07-APR-2010 22:45:10	Bright	39.500	32	77Eps UMa	1.7630	11000.	79	42368	No
111	GOM_TRA_1PNPDE20100407_225135_000000382088_00230_42368_2498.N1	07-APR-2010 22:51:35	Bright	37.500	60	7Bet UMi	2.0810	3950.0	75	42368	No
112	GOM_TRA_1PNPDE20100407_230123_000000402088_00230_42368_2499.N1	07-APR-2010 23:01:23	Bright	40.000	89	5Alp Cep	2.4510	8000.0	80	42368	No
113	GOM_TRA_1PNPDE20100407_230637_000000472088_00230_42368_2500.N1	07-APR-2010 23:06:37	Bright	46.500	19	50Alp Cyg	1.2460	10500.	93	42368	No
114	GOM_TRA_1PNPDE20100407_230819_000000482088_00230_42368_2501.N1	07-APR-2010 23:08:19	Bright	48.000	66	37Gam Cyg	2.2080	5900.0	96	42368	No
115	GOM_TRA_1PNPDE20100407_231033_000000482088_00230_42368_2502.N1	07-APR-2010 23:10:33	Bright	48.000	92	53Eps Cyg	2.5000	4500.0	96	42368	No
116	GOM_TRA_1PNPDE20100407_231725_000000482088_00230_42368_2503.N1	07-APR-2010 23:17:25	Twilight_stray	47.500	61	8Eps Peg	2.1000	3900.0	95	42368	No
117	GOM_TRA_1PNPDE20100407_232211_000000462088_00230_42368_2504.N1	07-APR-2010 23:22:11	Dark	45.500	154	22Bet Aqr	2.8990	5700.0	91	42368	No
118	GOM_TRA_1PNPDE20100407_233647_000000392088_00230_42368_2510.N1	07-APR-2010 23:36:47	Dark	39.000	103	38Zet Sgr	2.6000	9700.0	78	42368	No
119	GOM_TRA_1PNPDE20100407_234348_000000552088_00231_42369_2511.N1	07-APR-2010 23:43:48	Dark	54.500	40	The Sco	1.8590	7100.0	109	42369	No
120	GOM_TRA_1PNPDE20100407_234630_000000392088_00231_42369_2512.N1	07-APR-2010 23:46:30	Dark	39.000	134	Bet TrA	2.8100	6600.0	78	42369	No
121	GOM_TRA_1PNPDE20100407_235201_000000432088_00231_42369_2513.N1	07-APR-2010 23:52:01	Straylight	43.000	78	Alp Lup	2.3040	28000.	86	42369	No
122	GOM_TRA_1PNPDE20100407_235337_000000472088_00231_42369_2514.N1	07-APR-2010 23:53:37	Straylight	46.500	81	Eta Cen	2.3560	28000.	93	42369	No
123	GOM_TRA_1PNPDE20100407_235611_000000492088_00231_42369_2515.N1	07-APR-2010 23:56:11	Straylight	49.000	54	5The Cen	2.0550	4500.0	98	42369	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).

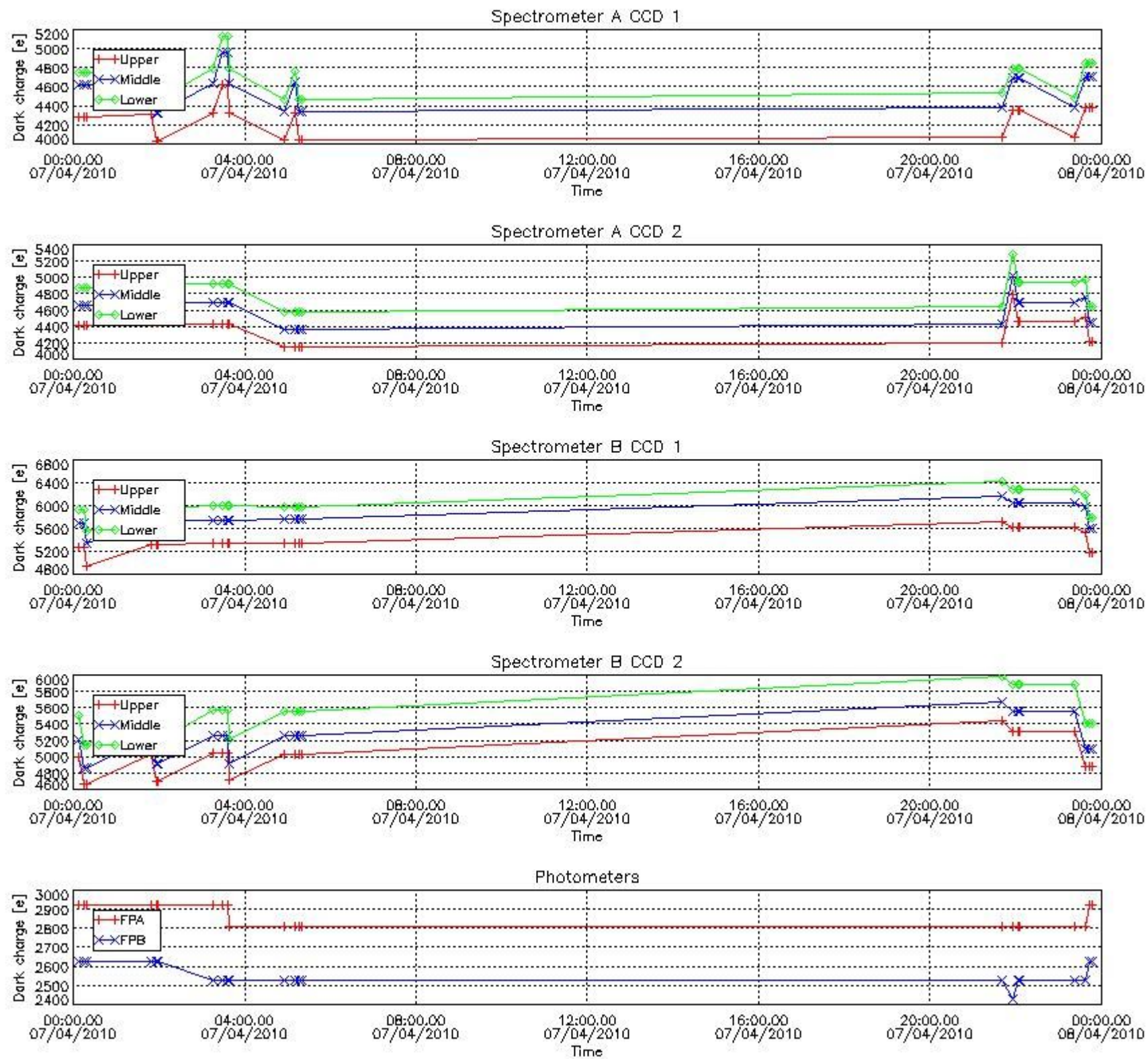
In this section a list of products that did not use the Dark Sky Area (DSA) observation for the DC computation is given. It is also provided the mean DC plot per product for dark limb products with no error flag set.

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

Product name	DC information
GOM_TRA_1PNPDE20100407_203048_000000462088_00229_42367_2464.N1	DC map used
GOM_TRA_1PNPDE20100407_203225_000000482088_00229_42367_2465.N1	DC map used
GOM_TRA_1PNPDE20100407_203458_000000502088_00229_42367_2466.N1	DC map used
GOM_TRA_1PNPDE20100407_204031_000000422088_00229_42367_2467.N1	DC map used
GOM_TRA_1PNPDE20100407_204224_000000412088_00229_42367_2468.N1	DC map used
GOM_TRA_1PNPDE20100407_204400_000000522088_00229_42367_2469.N1	DC map used
GOM_TRA_1PNPDE20100407_204708_000000422088_00229_42367_2470.N1	DC map used
GOM_TRA_1PNPDE20100407_205148_000000372088_00229_42367_2471.N1	DC map used
GOM_TRA_1PNPDE20100407_205942_000000382088_00229_42367_2472.N1	DC map used
GOM_TRA_1PNPDE20100407_210303_000000362088_00229_42367_2473.N1	DC map used
GOM_TRA_1PNPDE20100407_210434_000000402088_00229_42367_2474.N1	DC map used
GOM_TRA_1PNPDE20100407_211100_000000402088_00229_42367_2475.N1	DC map used
GOM_TRA_1PNPDE20100407_212047_000000402088_00229_42367_2476.N1	DC map used
GOM_TRA_1PNPDE20100407_212601_000000462088_00229_42367_2477.N1	DC map used

GOM_TRA_1PNPDE20100407_212743_000000512088_00229_42367_2478.N1	DC map used
GOM_TRA_1PNPDE20100407_212957_000000462088_00229_42367_2479.N1	DC map used
GOM_TRA_1PNPDE20100407_213649_000000482088_00229_42367_2480.N1	DC map used
GOM_TRA_1PNPDE20100407_214135_000000452088_00229_42367_2481.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

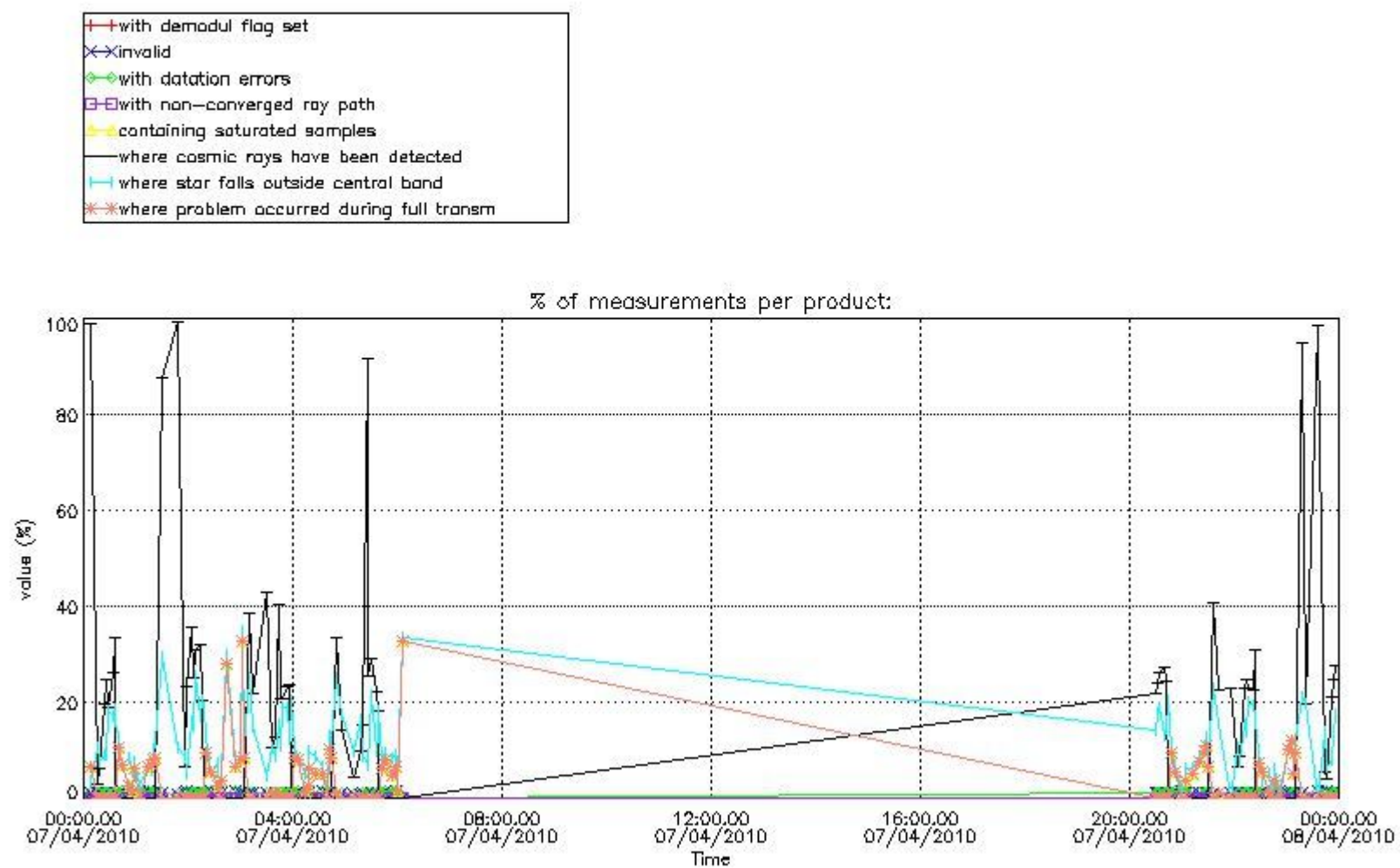
In this section it is presented the modulation information extracted from the pcd (product confidence data)

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.

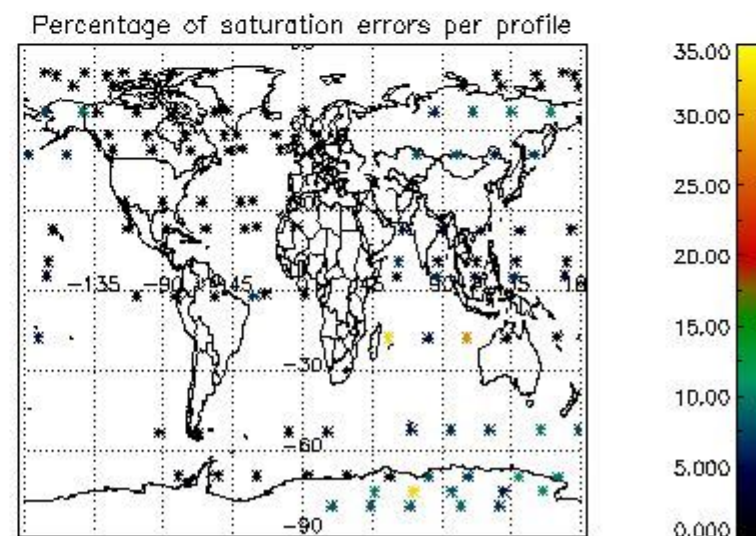
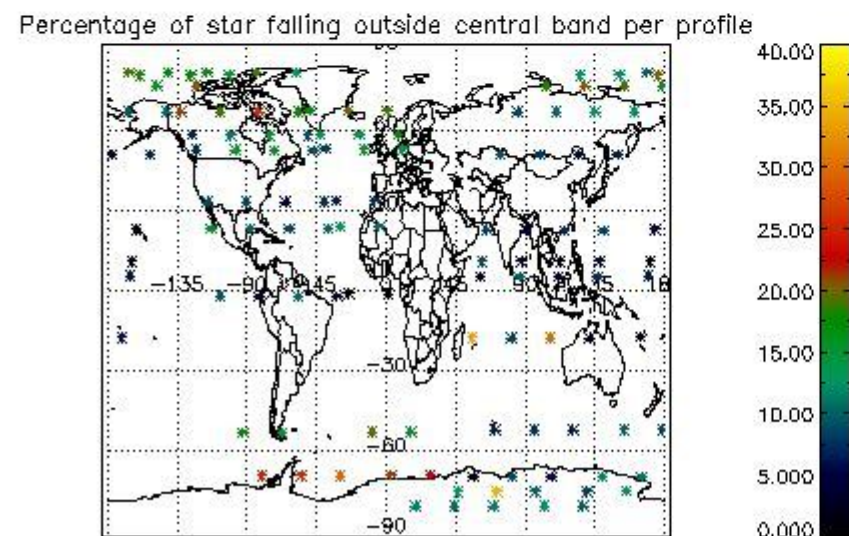
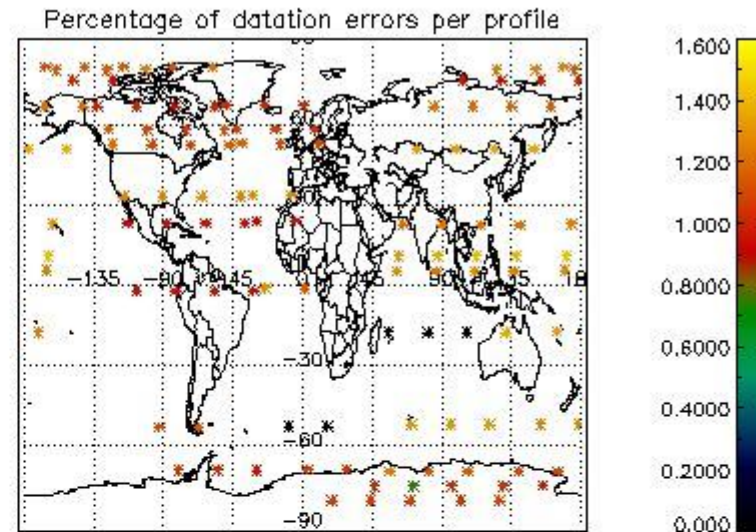
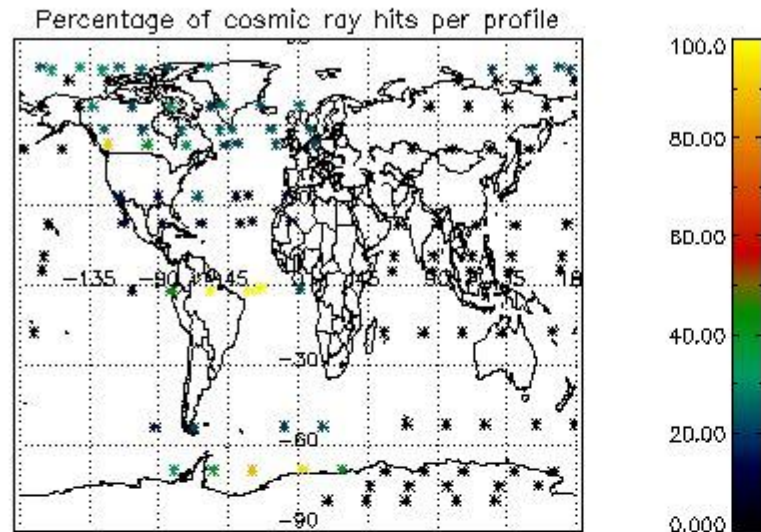
5.1 Percentage of products during reporting period with:

At least one measurement with demodulation flag set:	35.2459 %
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)



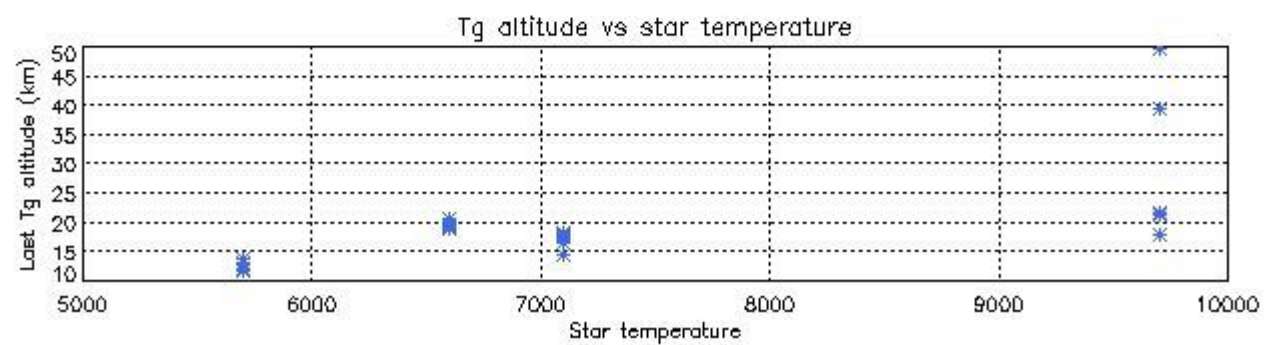
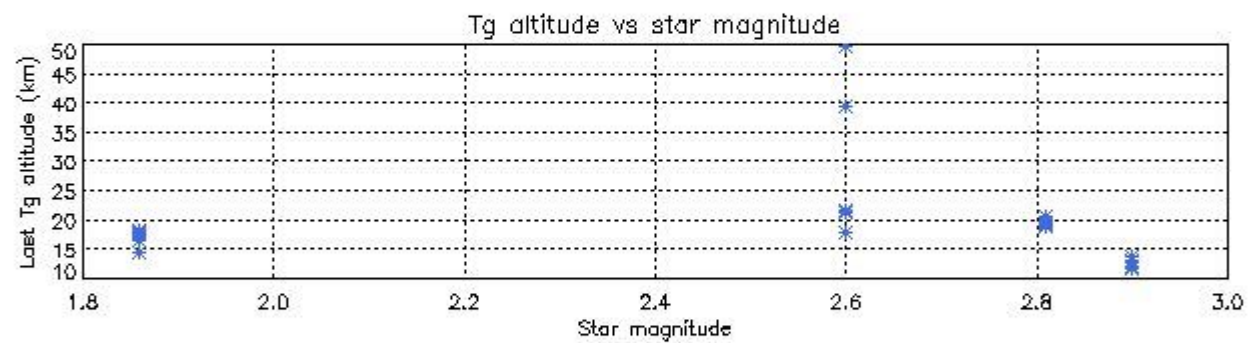
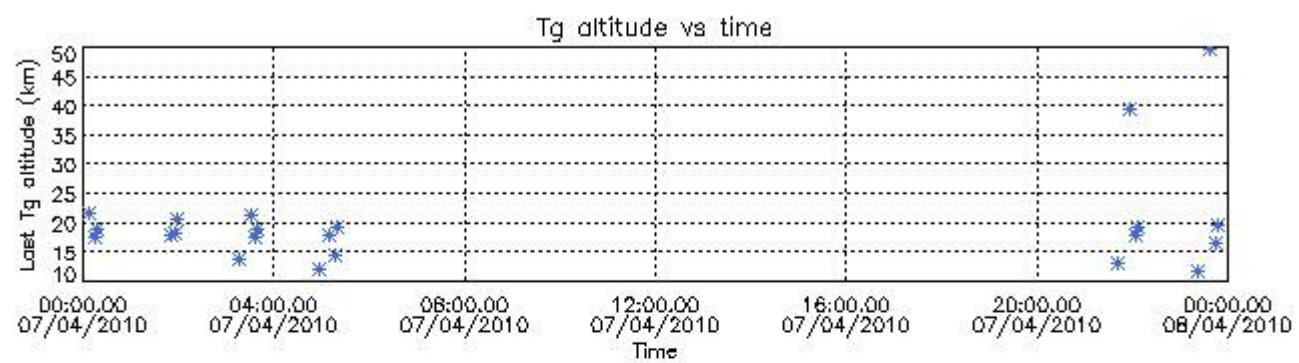
6. Statistics and plot of tangent altitude of the last measurement (DARK & BRIGHT products without errors)

6.1 Statistics on tangent altitude lost:

Statistics	DARK	BRIGHT	TWILIGHT
Mean:	19.880	18.602	NaN
St. deviation:	8.5894	4.8353	NaN
Maximum:	49.646	28.368	NaN
Minimum:	11.856	4.1051	NaN
Number of data:	22.000	62.000	NaN

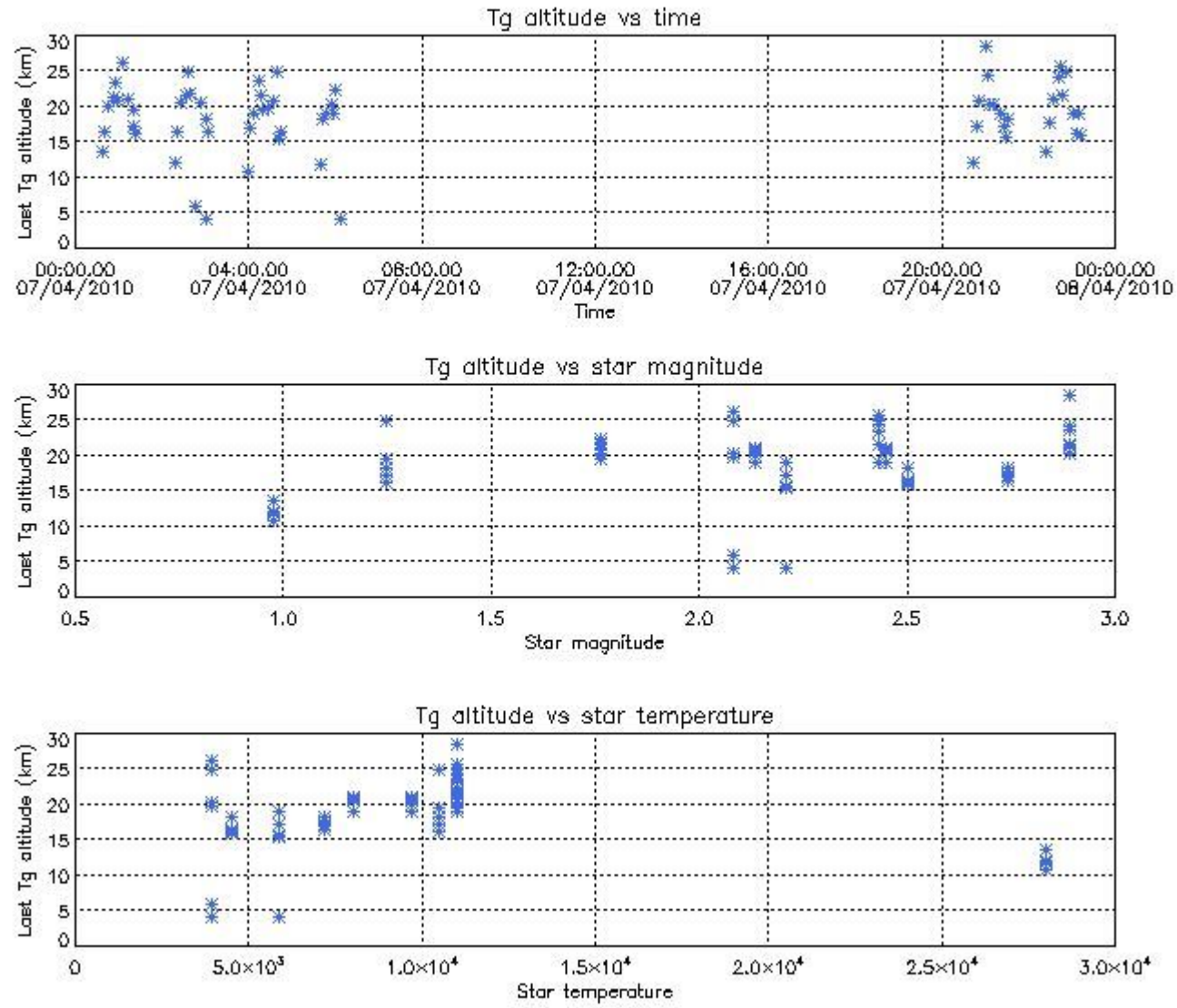
6.2 Plot for DARK limb products

Tangent altitude at which the star is lost



6.3 Plot for BRIGHT limb products

Tangent altitude at which the star is lost

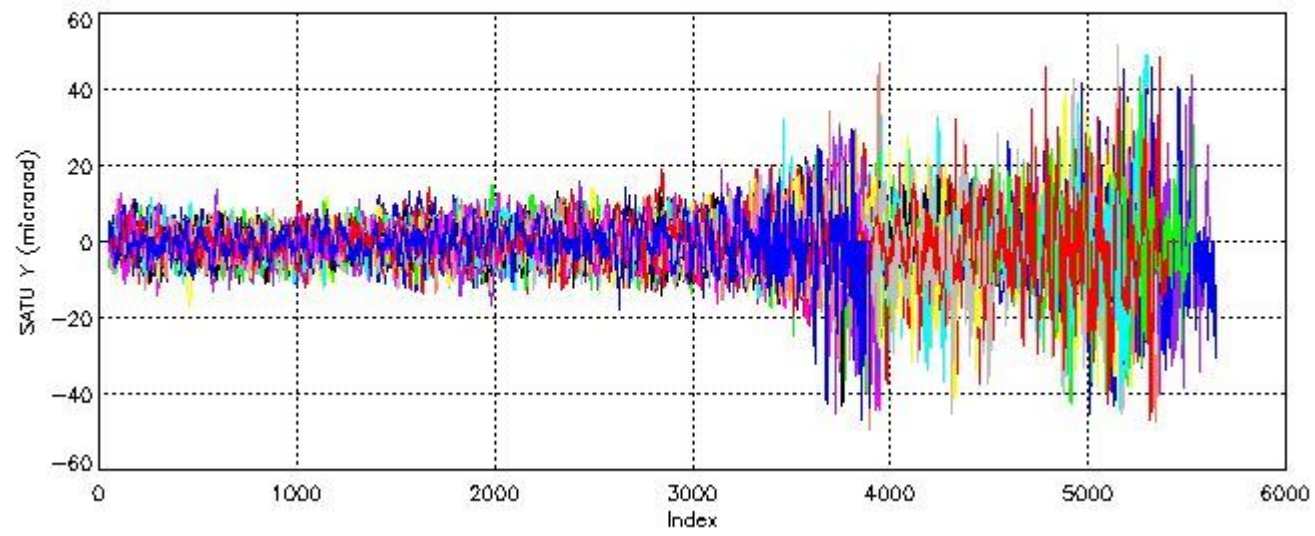
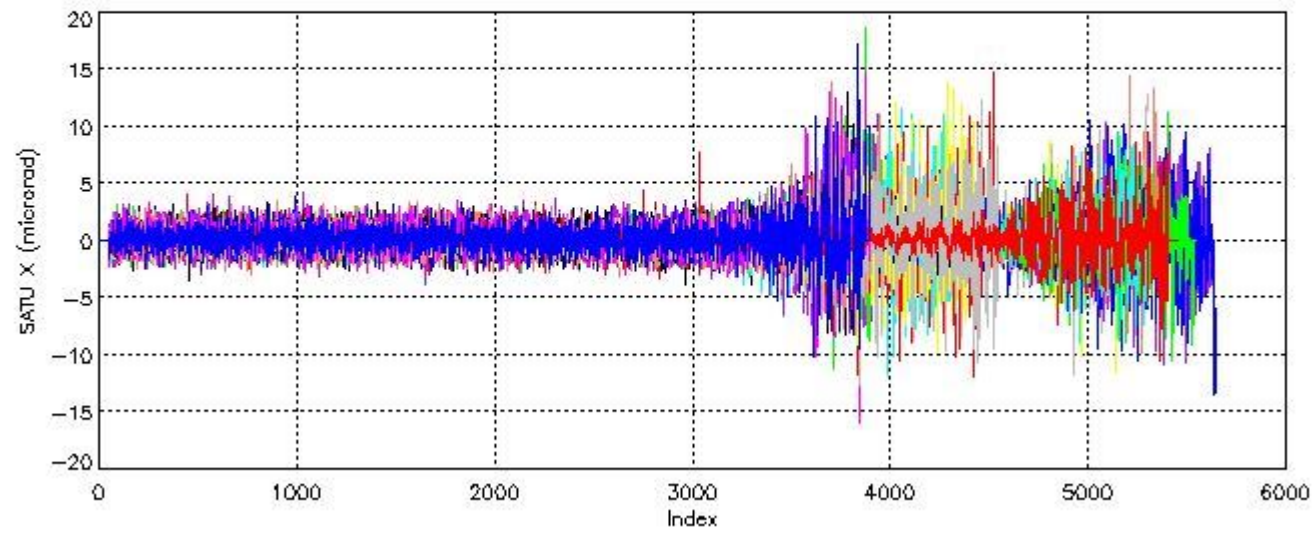


7. Star Acquisition and Tracking Unit (SATU)

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:	0.22489	-0.53161	0.18478	-0.48285
St. deviation:	0.73625	3.4213	0.76486	3.1878
Maximum:	4.2000	13.500	6.9000	14.700
Minimum:	-3.5000	-17.400	-13.300	-18.400

Number of data:	24750.	24750.	60250.	60250.
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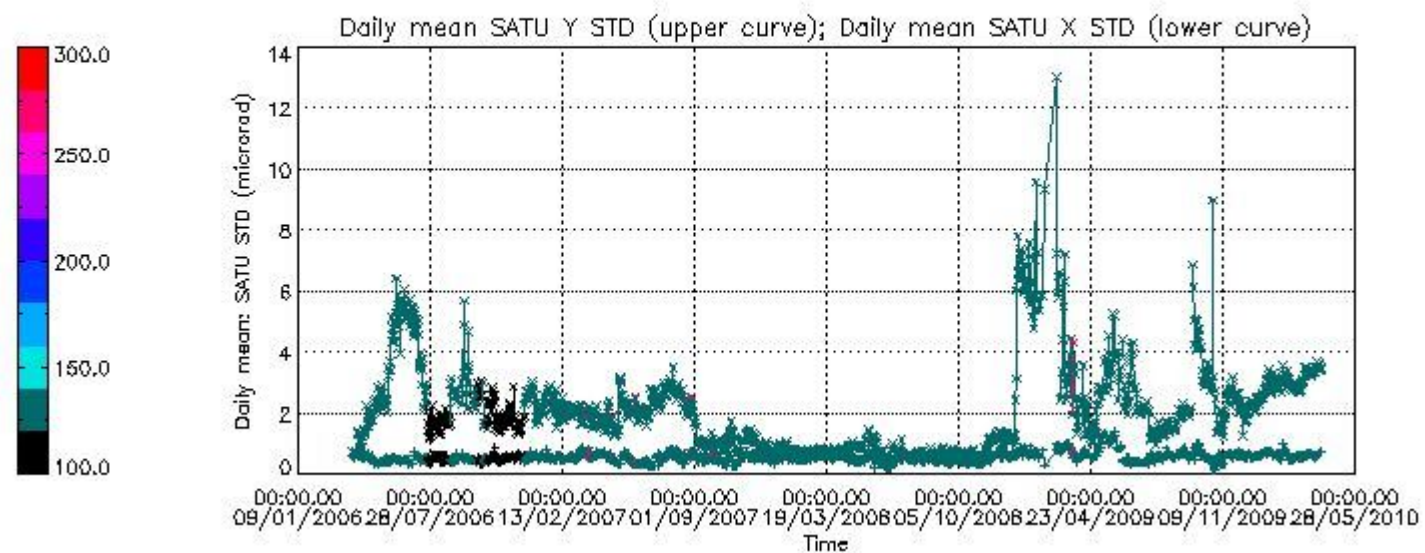
7.2.2 Trend of daily SATU NEA St. deviation since 1st April 2006 (dark limb)

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

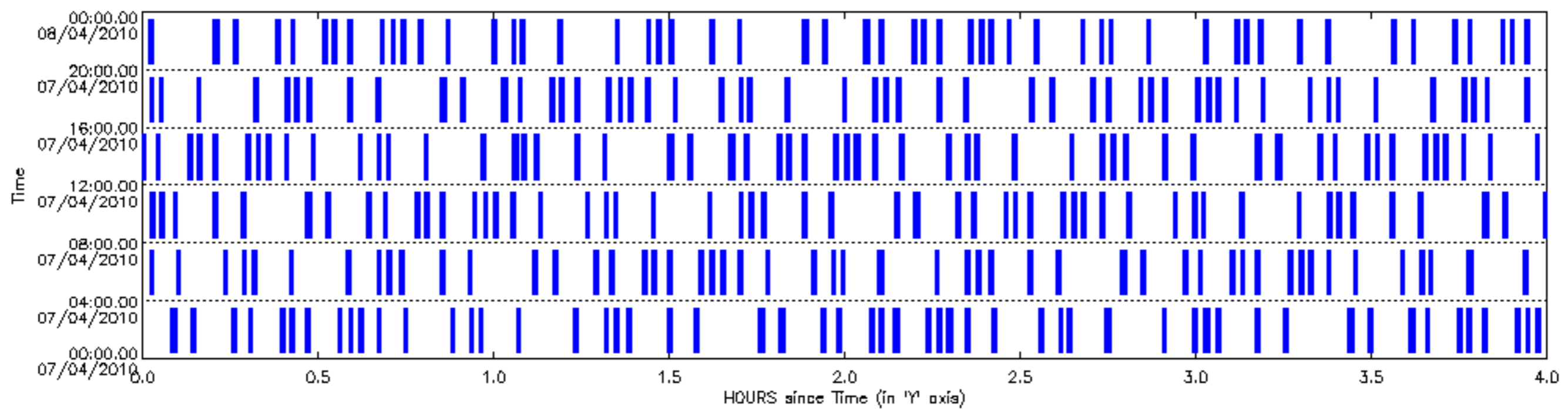
Lower curve: STD of SATU X axis

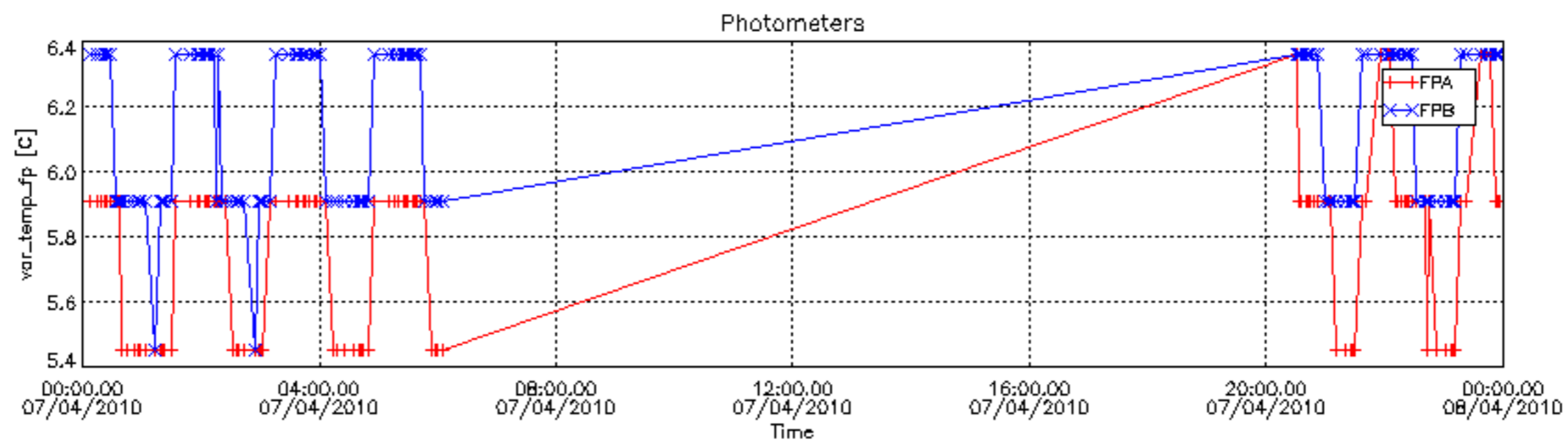
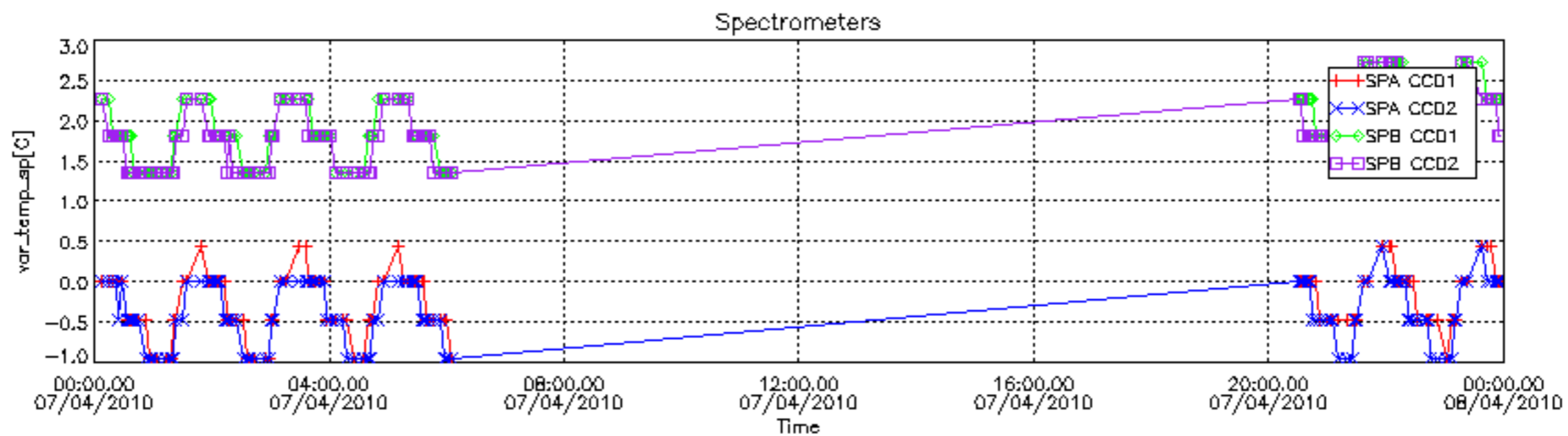


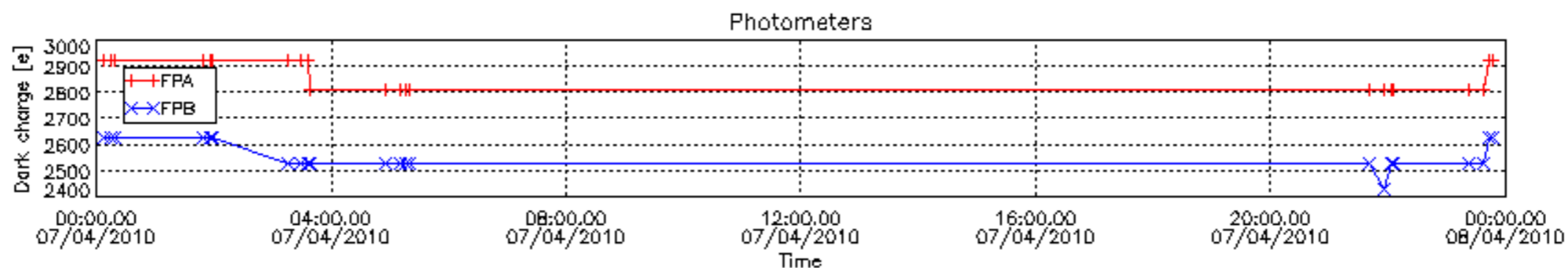
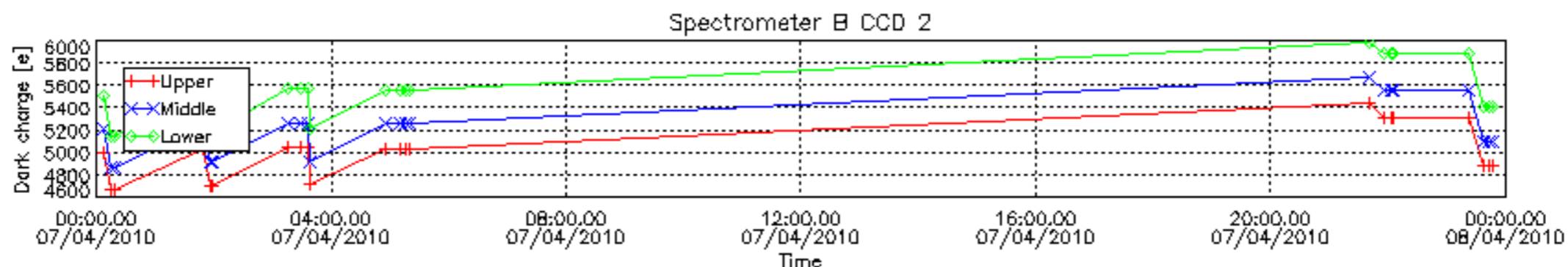
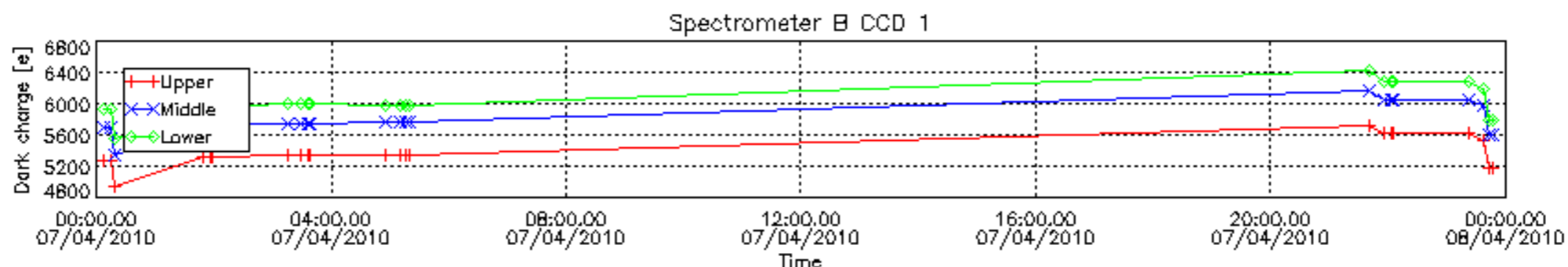
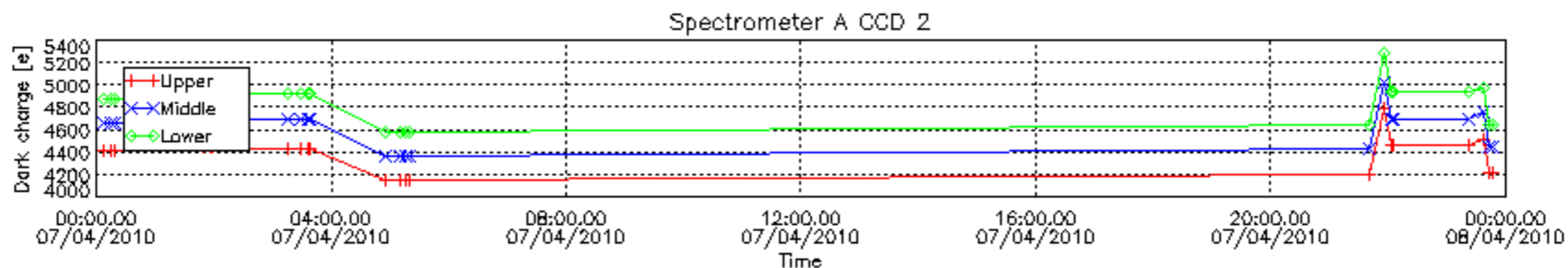
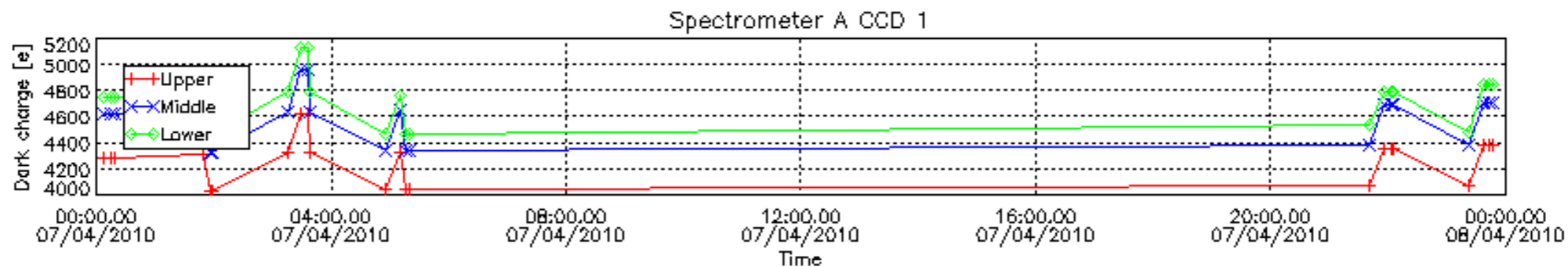
8. Auxiliary Data Files used for the production reported in section 2.4

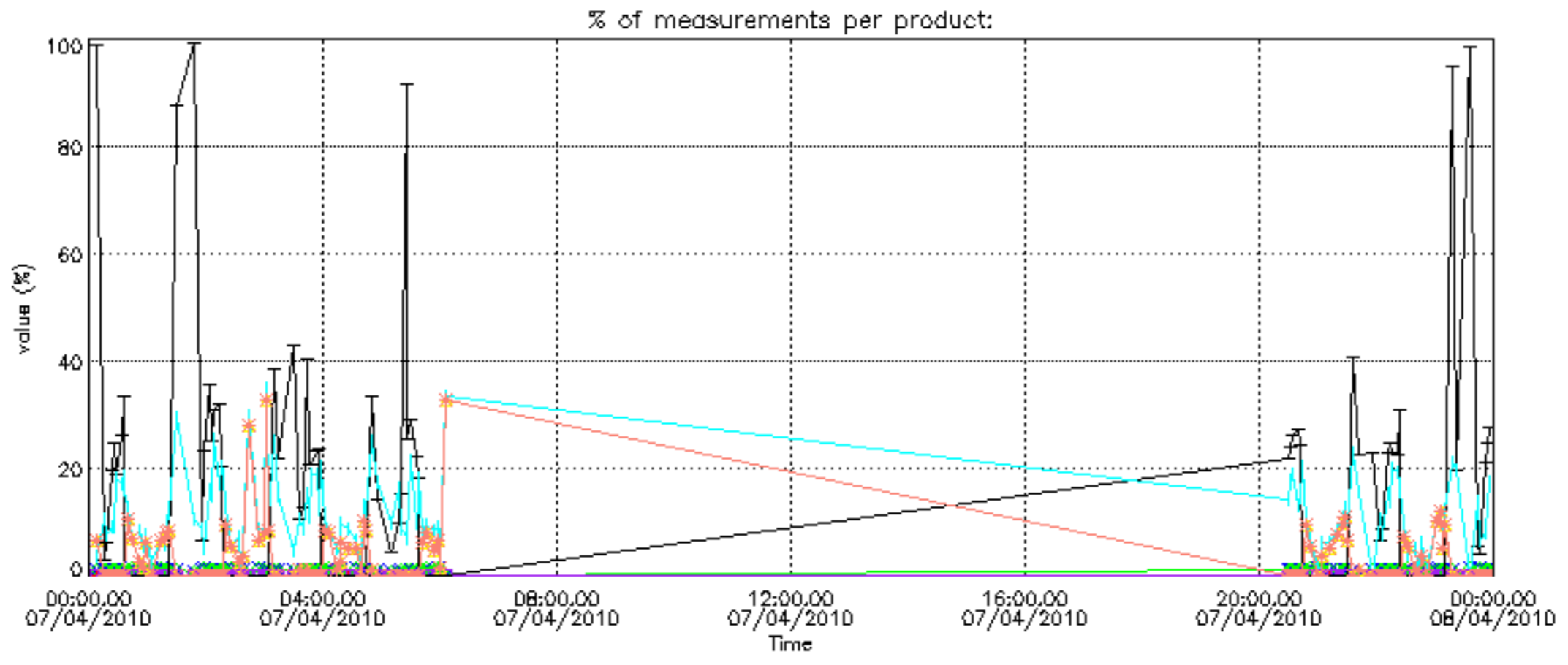
The number reported in the third column indicates since which file (see list in section 2.4) the corresponding auxiliary file has been used. The fourth column is the date of those product files.

Type	Auxiliary Filename	Used since product	Used since product date
INST_PHYS_CHARACTERISTICS	GOM_INS_AXVIEC20091111_143220_20030716_120000_20500101_000000	1	07-APR-2010 00:08:04
CALIBRATION_DATABASE	GOM_CAL_AXVIEC20100330_083348_20100328_000000_20500101_000000	1	07-APR-2010 00:08:04
CALIBRATION_DATABASE	GOM_CAL_AXVIEC20100407_100257_20100406_000000_20500101_000000	79	07-APR-2010 20:30:48
LEVEL-1B_PROC_CONFIG	GOM_PR1_AXVIEC20091111_145255_20020301_000000_20500101_000000	1	07-APR-2010 00:08:04
STAR_CATALOGUE	GOM_CAT_AXVIEC20020121_161009_20020101_000000_20200101_000000	1	07-APR-2010 00:08:04
STELLAR_SPECTRA_DATABANK	GOM_STS_AXVIEC20091111_151504_20020101_160000_20500101_000000	1	07-APR-2010 00:08:04
ECMWF_FILE	AUX_ECF_AXNECM20100406_054118_20100406_210000_20100407_090000	1	07-APR-2010 00:08:04
ECMWF_FILE	AUX_ECA_AXNECM20100407_052118_20100406_210000_20100407_090000	58	07-APR-2010 04:34:49
ECMWF_FILE	AUX_ECF_AXNECM20100407_052119_20100407_150000_20100408_030000	79	07-APR-2010 20:30:48
ECMWF_FILE	AUX_ECF_AXNECM20100407_054117_20100407_210000_20100408_090000	97	07-APR-2010 21:56:09
OPTIONAL_ECMWF_FILE	MISSING	1	07-APR-2010 00:08:04
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20100406_235409_000057382088_00216_42354_0112.N1	1	07-APR-2010 00:08:04
ORBIT_DATA_FILE	AUX_FPO_AXVPDS20100406_095113_20100405_193831_20100415_210443	21	07-APR-2010 01:34:18
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20100407_043026_000054192088_00219_42357_0115.N1	58	07-APR-2010 04:34:49
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20100407_202649_000041442088_00229_42367_0116.N1	79	07-APR-2010 20:30:48
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20100407_214112_000057382088_00229_42367_0117.N1	97	07-APR-2010 21:56:09
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20100407_232209_000057382088_00230_42368_0118.N1	118	07-APR-2010 23:36:47

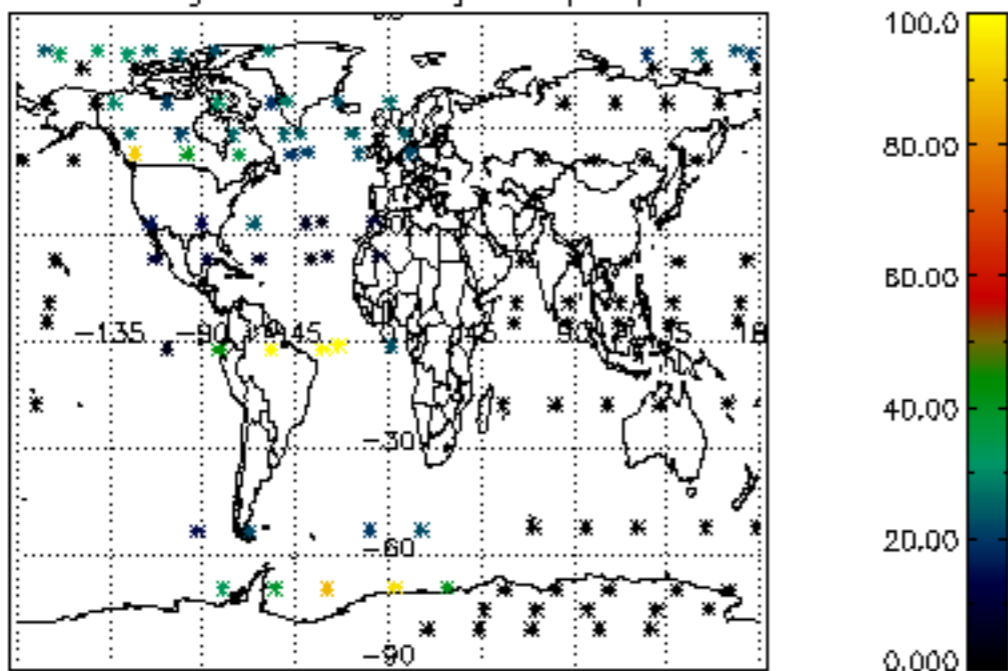




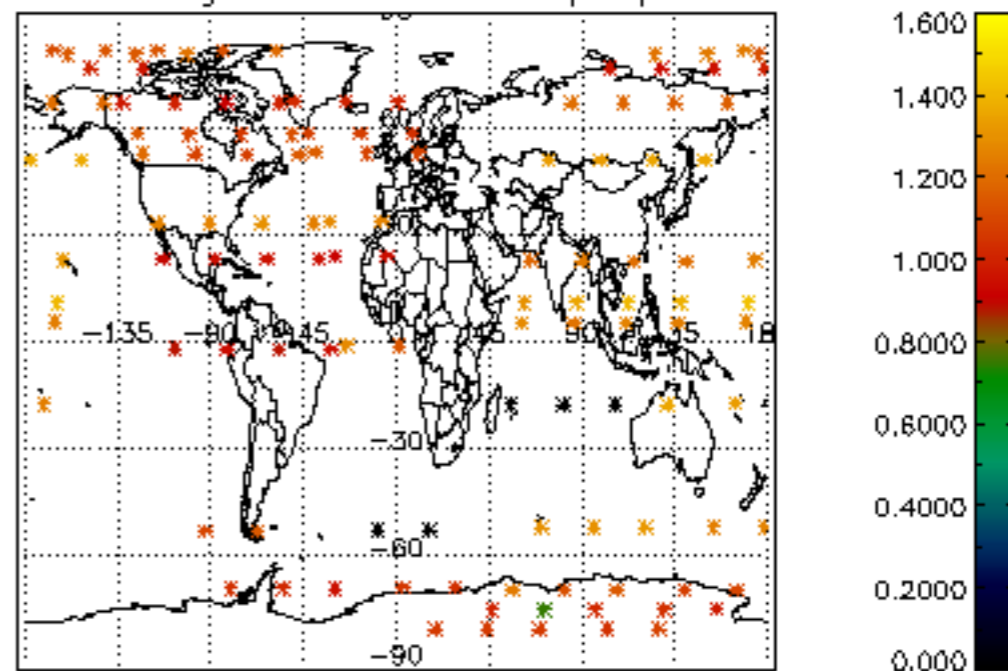




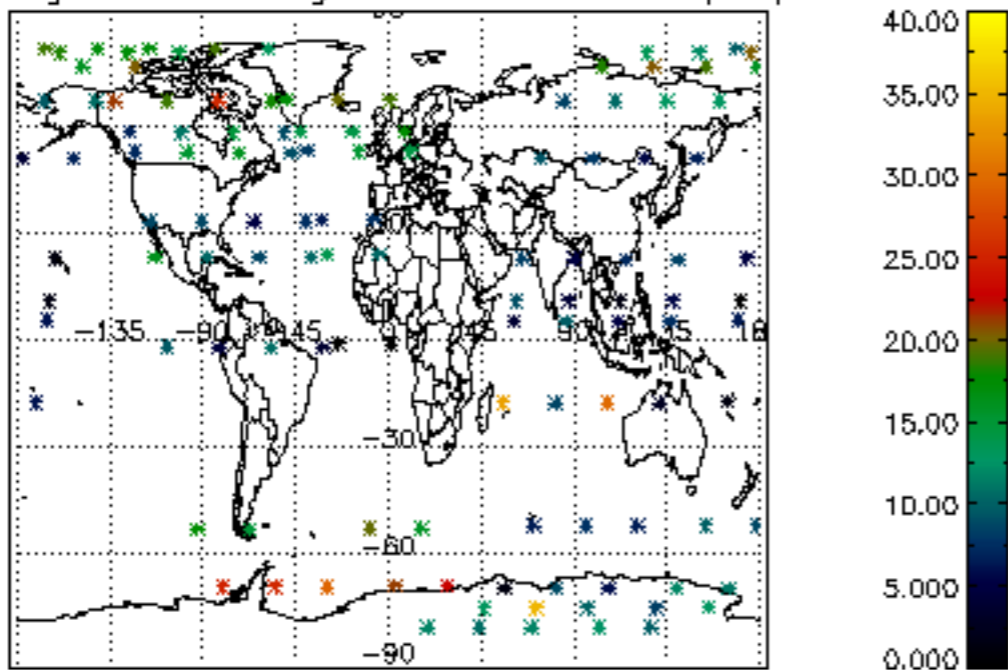
Percentage of cosmic ray hits per profile



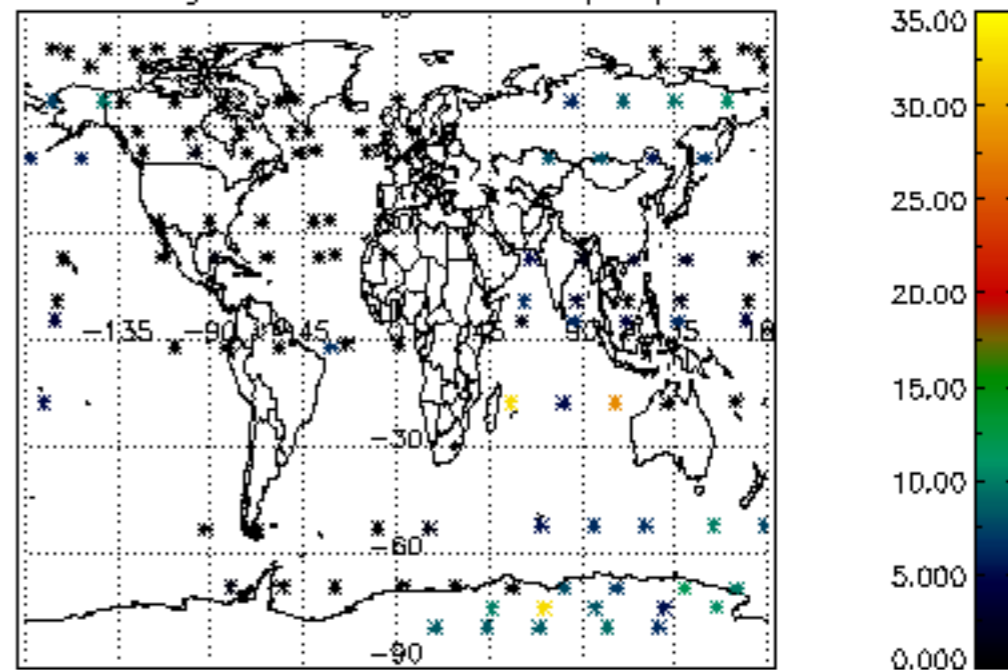
Percentage of datation errors per profile



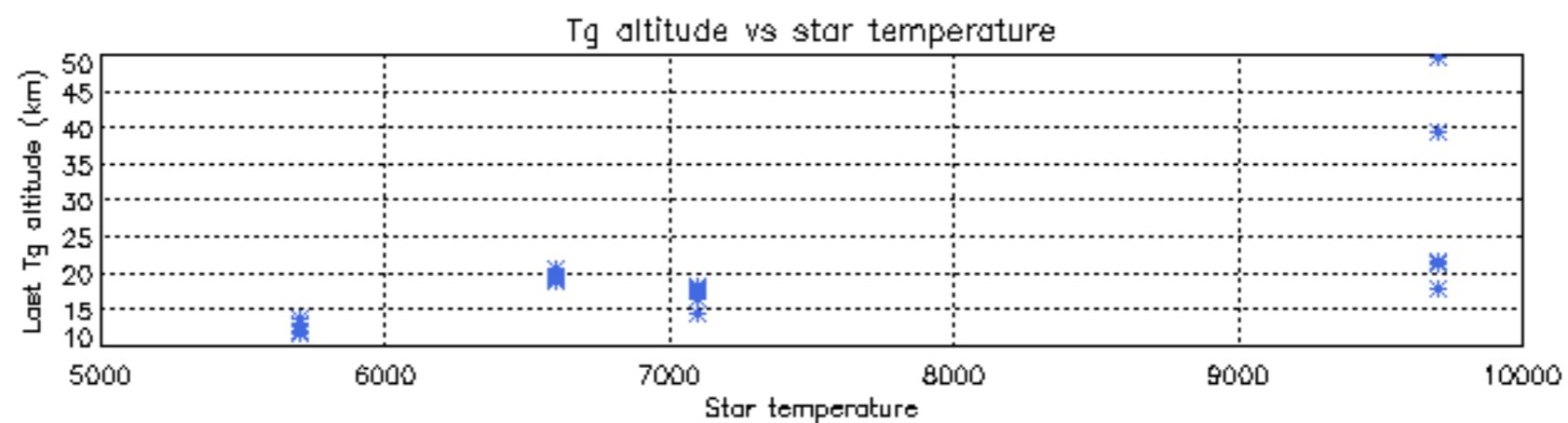
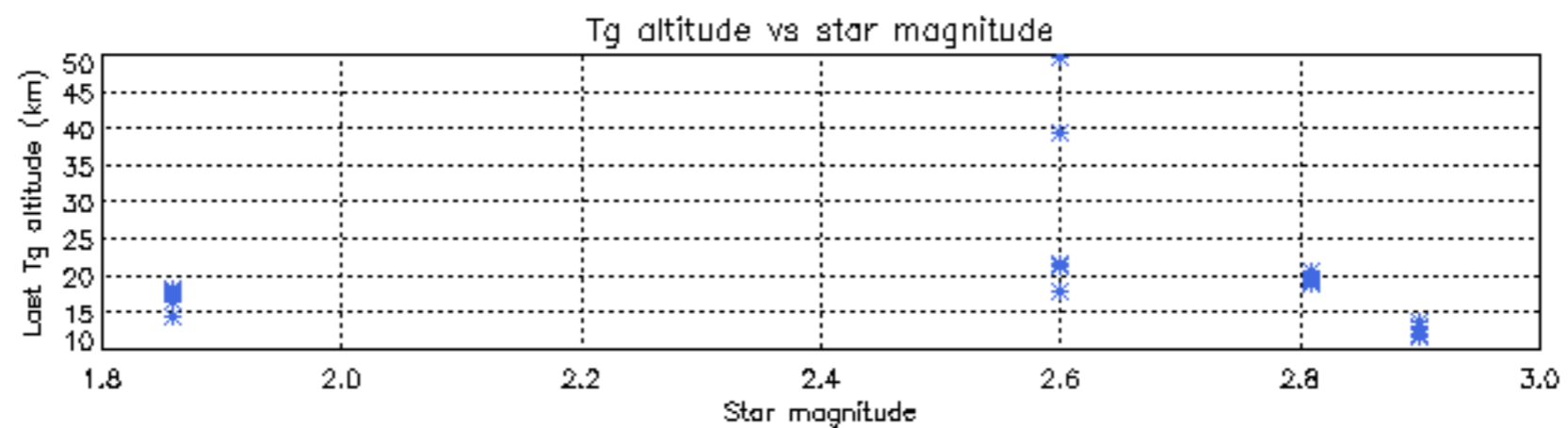
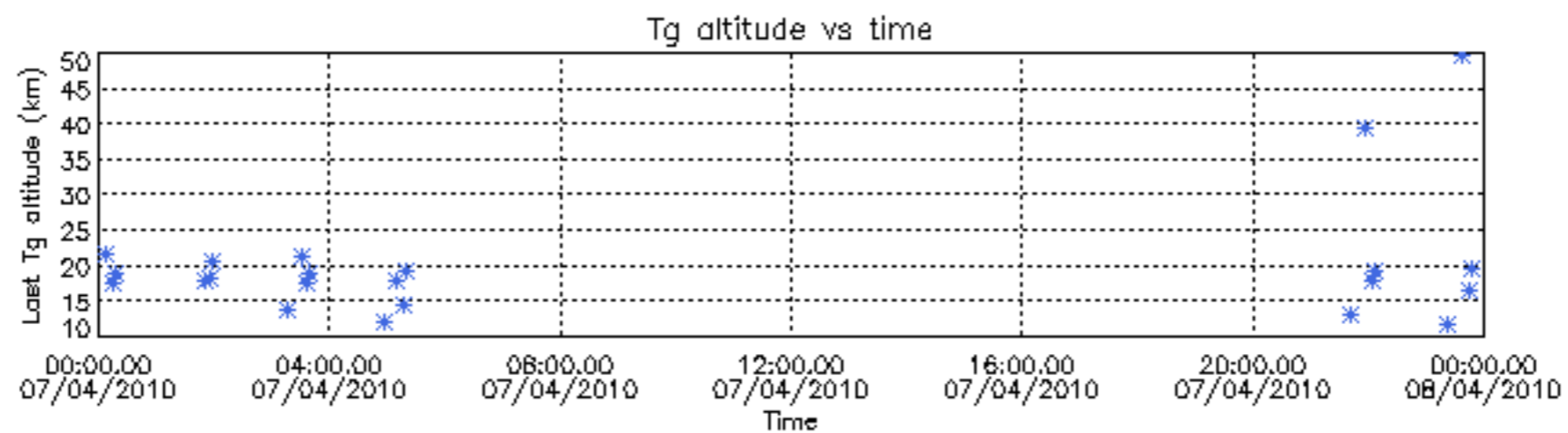
Percentage of star falling outside central band per profile



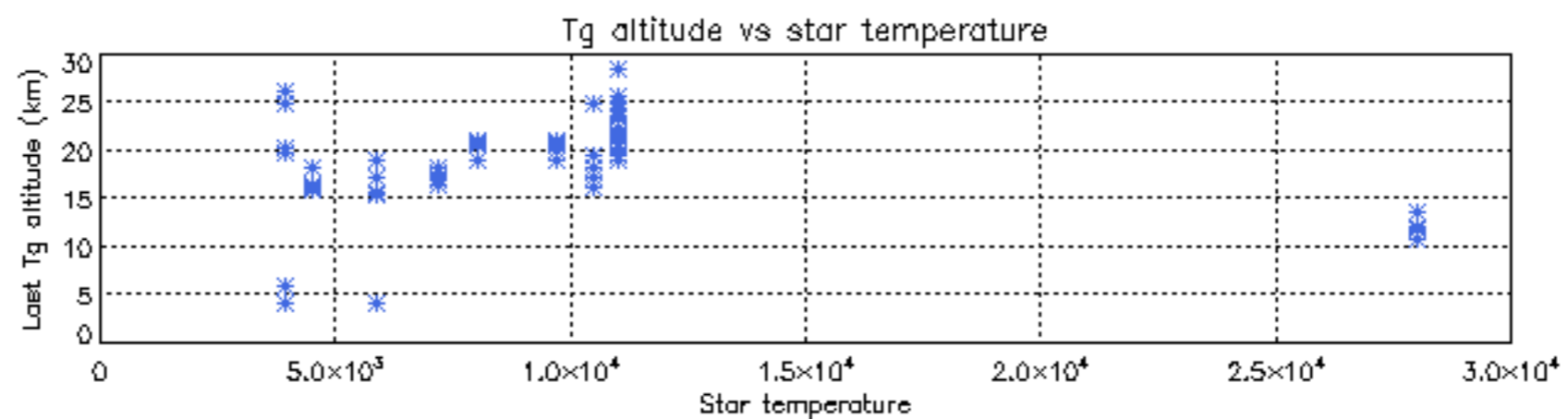
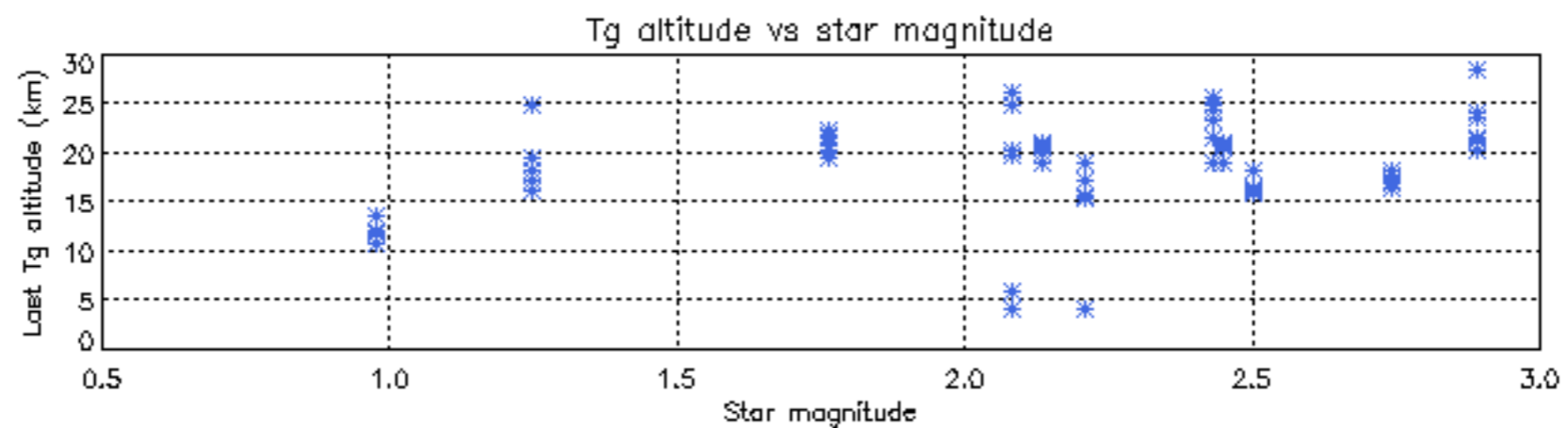
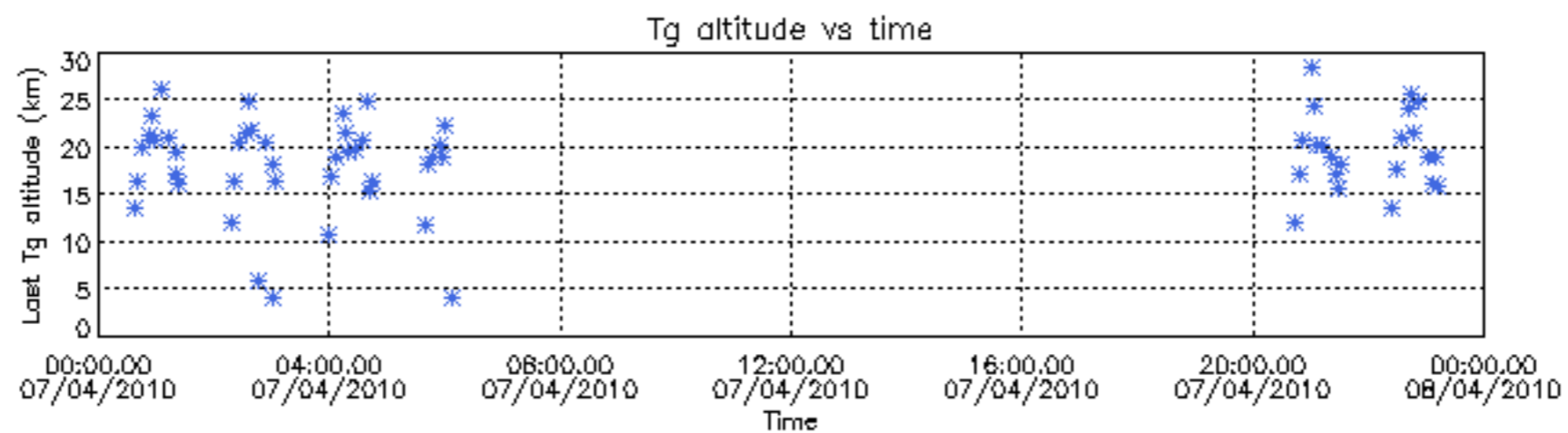
Percentage of saturation errors per profile

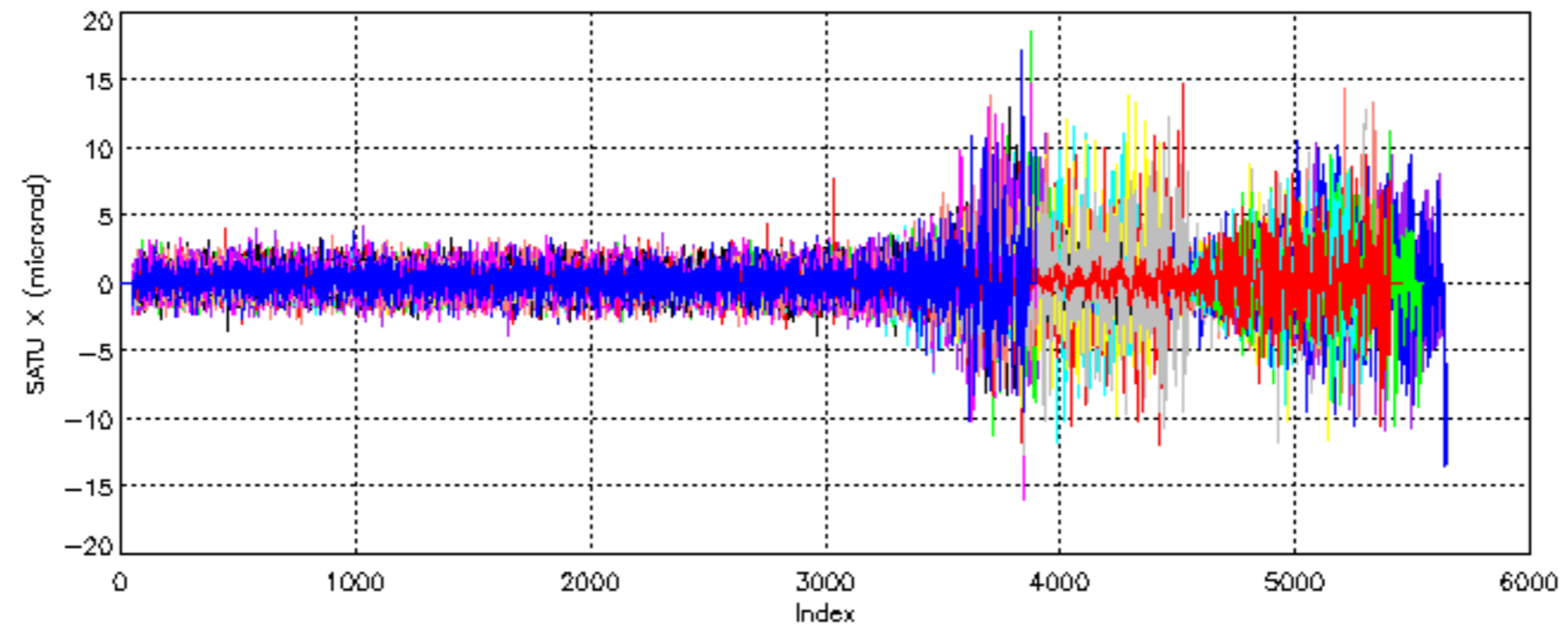


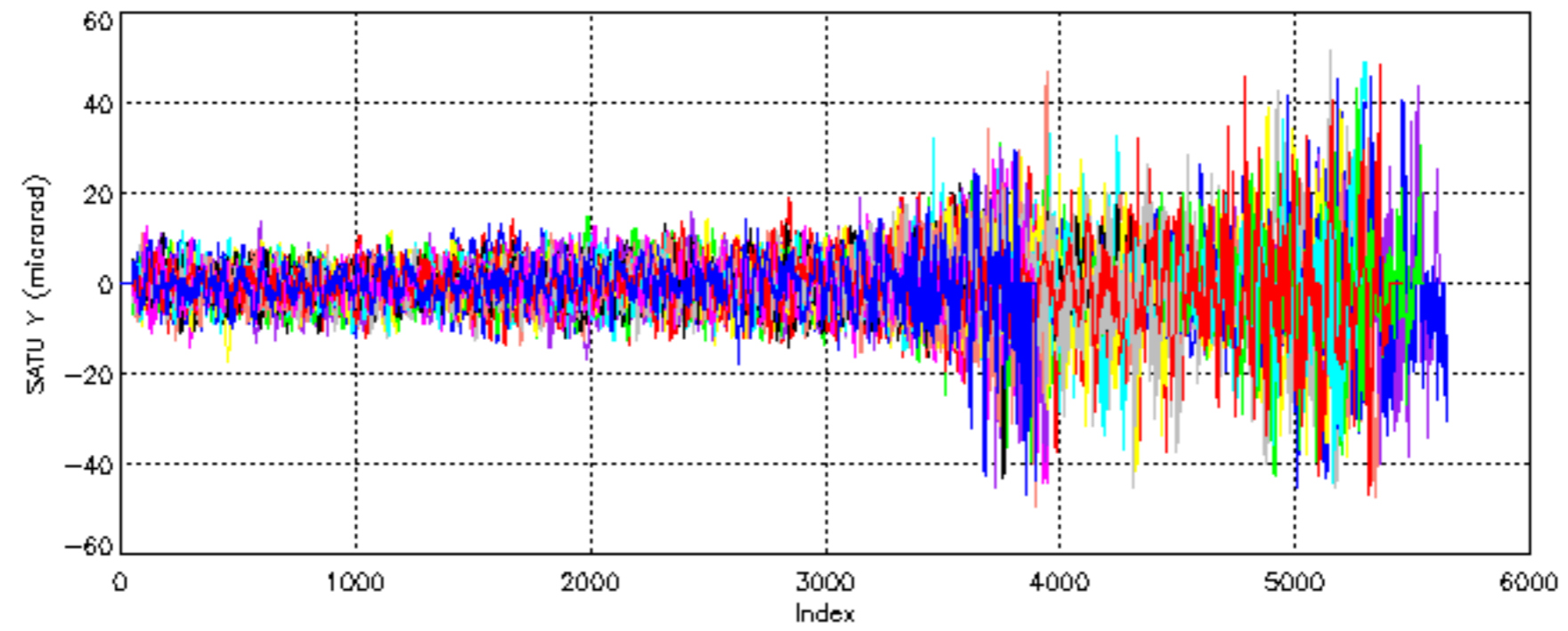
Tangent altitude at which the star is lost

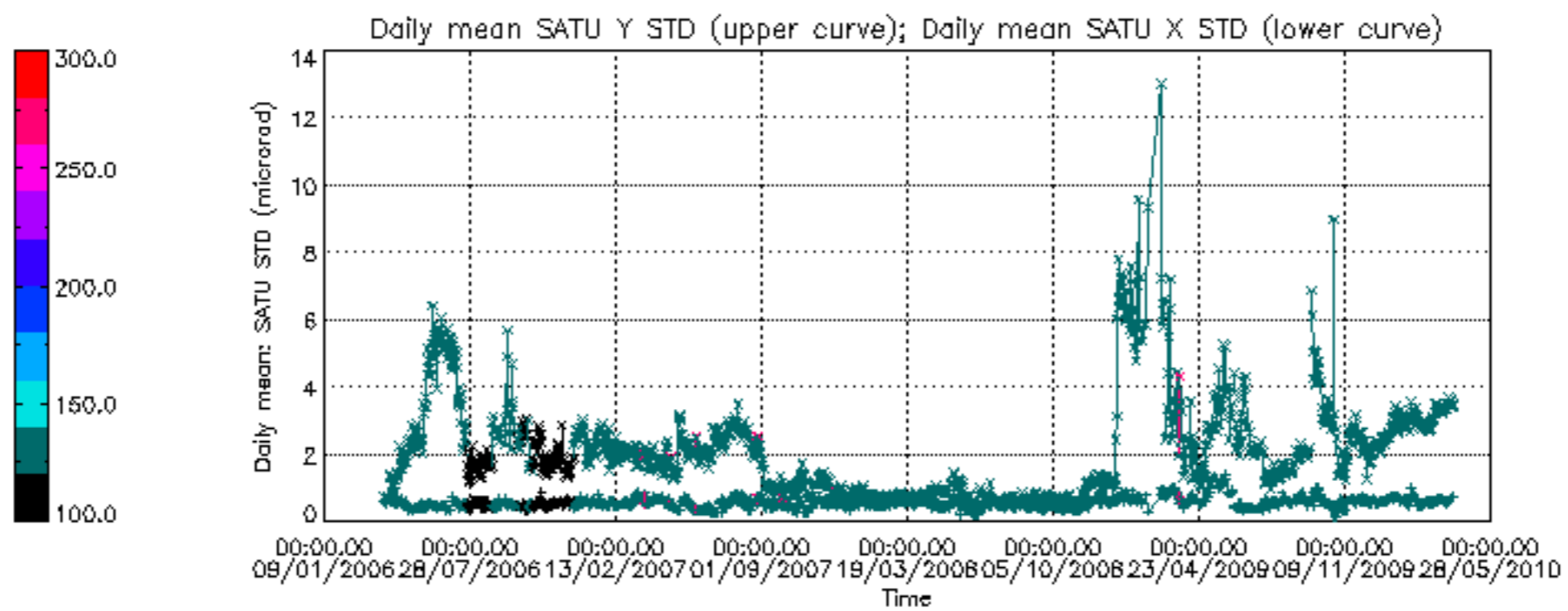


Tangent altitude at which the star is lost









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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

/nas3/ENVISAT/GOMOS/GOM_NL__0P/GOM_NL__0PNPDE20100401_024250_000055142088_00132_42270_9780.N1

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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 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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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
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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
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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
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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
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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
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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
7; 69.4; 01-APR-2010 06:40:45; Dark ; 53.5; 38; 20Eps Sgr ; 1.84; 11000;occ; 107; 0;42273
8; 296.4; 01-APR-2010 06:44:32; Dark ; 51.5; 40; The Sco ; 1.86; 7100;occ; 103; 0;42273
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
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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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2; 1883.2; 01-APR-2010 07:10:59; Bright; 44.5; 121; 29Gam Vir ; 2.74; 7200;occ; 89; 0;42273
3; 2160.3; 01-APR-2010 07:15:36; Bright; 40.5; 62; 94Bet Leo ; 2.14; 9700;occ; 80; 0;42273
4; 2257.0; 01-APR-2010 07:17:13; Bright; 36.0; 96; 68Del Leo ; 2.56; 9300;occ; 72; 0;42273
5; 2666.2; 01-APR-2010 07:24:02; Bright; 35.5; 174; 52Psi UMa ; 3.00; 4400;occ; 71; 0;42273
6; 2848.1; 01-APR-2010 07:27:04; Bright; 40.0; 87; 64Gam UMa ; 2.43; 11000;occ; 80; 0;42273
7; 2957.7; 01-APR-2010 07:28:54; Bright; 38.0; 36; 50Alp UMa ; 1.80; 6300;occ; 76; 0;42273
8; 3337.3; 01-APR-2010 07:35:13; Bright; 58.0; 60; 7Bet UMi ; 2.08; 3950;occ; 116; 0;42273
9; 3902.0; 01-APR-2010 07:44:38; Bright; 54.0; 89; 5Alp Cep ; 2.45; 8000;occ; 108; 0;42273
10; 4199.1; 01-APR-2010 07:49:35; Bright; 47.5; 144; 18Del Cyg ; 2.86; 11000;occ; 95; 0;42273
11; 4312.8; 01-APR-2010 07:51:29; Bright; 44.5; 66; 37Gam Cyg ; 2.21; 5900;occ; 89; 0;42273
12; 4434.4; 01-APR-2010 07:53:30; Bright; 44.5; 92; 53Eps Cyg ; 2.50; 4500;occ; 89; 0;42273
13; 5723.8; 01-APR-2010 08:15:00; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;42273
14; 5891.9; 01-APR-2010 08:17:48; Dark ; 55.5; 57; 34Sig Sgr ; 2.07; 26000;occ; 111; 0;42273
15; 6106.7; 01-APR-2010 08:21:23; Dark ; 51.5; 38; 20Eps Sgr ; 1.84; 11000;occ; 103; 0;42274
16; 6333.5; 01-APR-2010 08:25:09; Dark ; 48.5; 40; The Sco ; 1.86; 7100;occ; 97; 0;42274
17; 6553.4; 01-APR-2010 08:28:49; Dark ; 38.5; 134; Bet TrA ; 2.81; 6600;occ; 77; 0;42274
18; 6711.8; 01-APR-2010 08:31:28; Dark ; 53.5; 4; Alp1Cen ; -0.01; 5800;occ; 107; 0;42274
19; 6876.8; 01-APR-2010 08:34:13; Dark ; 48.5; 78; Alp Lup ; 2.30; 28000;occ; 97; 0;42274
20; 6972.9; 01-APR-2010 08:35:49; Dark ; 47.0; 81; Eta Cen ; 2.36; 28000;occ; 94; 0;42274
21; 7136.9; 01-APR-2010 08:38:33; Dark ; 53.0; 54; 5The Cen ; 2.06; 4500;occ; 106; 0;42274
22; 7496.6; 01-APR-2010 08:44:33; Dark ; 45.5; 106; 9Bet Crv ; 2.65; 5600;occ; 91; 0;42274
23; 7614.5; 01-APR-2010 08:46:30; Dark ; 43.0; 100; 4Gam Crv ; 2.58; 13100;occ; 86; 0;42274
24; 7724.3; 01-APR-2010 08:48:20; Dark ; 35.5; 15; 67Alp Vir ; 0.98; 28000;occ; 71; 0;42274

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2; 1882.9; 01-APR-2010 08:51:35; Bright; 44.5; 121; 29Gam Vir ; 2.74; 7200;occ; 89; 0;42274
3; 2160.4; 01-APR-2010 08:56:12; Bright; 40.5; 62; 94Bet Leo ; 2.14; 9700;occ; 81; 0;42274
4; 2666.1; 01-APR-2010 09:04:38; Bright; 36.5; 174; 52Psi UMa ; 3.00; 4400;occ; 73; 0;42274
5; 2847.7; 01-APR-2010 09:07:40; Bright; 39.0; 87; 64Gam UMa ; 2.43; 11000;occ; 78; 0;42274
6; 2957.7; 01-APR-2010 09:09:30; Bright; 39.5; 36; 50Alp UMa ; 1.80; 6300;occ; 79; 0;42274
7; 3337.1; 01-APR-2010 09:15:49; Bright; 41.0; 60; 7Bet UMi ; 2.08; 3950;occ; 82; 0;42274
8; 3901.7; 01-APR-2010 09:25:14; Bright; 37.0; 89; 5Alp Cep ; 2.45; 8000;occ; 74; 0;42274
9; 4199.3; 01-APR-2010 09:30:11; Bright; 48.0; 144; 18Del Cyg ; 2.86; 11000;occ; 96; 0;42274
10; 4312.9; 01-APR-2010 09:32:05; Bright; 46.5; 66; 37Gam Cyg ; 2.21; 5900;occ; 93; 0;42274
11; 4434.5; 01-APR-2010 09:34:06; Bright; 44.0; 92; 53Eps Cyg ; 2.50; 4500;occ; 88; 0;42274
12; 5724.6; 01-APR-2010 09:55:37; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;42274
13; 5893.5; 01-APR-2010 09:58:25; Dark ; 57.0; 57; 34Sig Sgr ; 2.07; 26000;occ; 114; 0;42274
14; 6107.5; 01-APR-2010 10:01:59; Dark ; 54.5; 38; 20Eps Sgr ; 1.84; 11000;occ; 109; 0;42275
15; 6334.8; 01-APR-2010 10:05:47; Dark ; 51.0; 40; The Sco ; 1.86; 7100;occ; 102; 0;42275
16; 6553.9; 01-APR-2010 10:09:26; Dark ; 39.0; 134; Bet TrA ; 2.81; 6600;occ; 78; 0;42275
17; 6712.3; 01-APR-2010 10:12:04; Dark ; 51.0; 4; Alp1Cen ; -0.01; 5800;occ; 102; 0;42275
18; 6877.5; 01-APR-2010 10:14:49; Dark ; 43.5; 78; Alp Lup ; 2.30; 28000;occ; 87; 0;42275
19; 6973.6; 01-APR-2010 10:16:26; Dark ; 50.0; 81; Eta Cen ; 2.36; 28000;occ; 100; 0;42275
20; 7137.3; 01-APR-2010 10:19:09; Dark ; 58.0; 54; 5The Cen ; 2.06; 4500;occ; 116; 0;42275
21; 7497.0; 01-APR-2010 10:25:09; Dark ; 47.5; 106; 9Bet Crv ; 2.65; 5600;occ; 95; 0;42275
22; 7614.6; 01-APR-2010 10:27:07; Dark ; 43.0; 100; 4Gam Crv ; 2.58; 13100;occ; 86; 0;42275
23; 7724.2; 01-APR-2010 10:28:56; Dark ; 9.0; 15; 67Alp Vir ; 0.98; 28000;occ; 18; 0;42275

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2; 1882.6; 01-APR-2010 10:32:10; Bright; 44.5; 121; 29Gam Vir ; 2.74; 7200;occ; 89; 0;42275
3; 2160.3; 01-APR-2010 10:36:48; Bright; 38.5; 62; 94Bet Leo ; 2.14; 9700;occ; 77; 0;42275
4; 2666.1; 01-APR-2010 10:45:14; Bright; 37.5; 174; 52Psi UMa ; 3.00; 4400;occ; 75; 0;42275


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6; 2957.7; 01-APR-2010 10:50:06; Bright; 37.0; 36; 50Alp UMa ; 1.80; 6300;occ; 74; 0;42275
7; 3336.6; 01-APR-2010 10:56:24; Bright; 38.5; 60; 7Bet UMi ; 2.08; 3950;occ; 77; 0;42275
8; 3901.8; 01-APR-2010 11:05:50; Bright; 36.5; 89; 5Alp Cep ; 2.45; 8000;occ; 73; 0;42275
9; 4199.0; 01-APR-2010 11:10:47; Bright; 45.0; 144; 18Del Cyg ; 2.86; 11000;occ; 90; 0;42275
10; 4312.8; 01-APR-2010 11:12:41; Bright; 7.5; 66; 37Gam Cyg ; 2.21; 5900;occ; 15; 0;42275
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3; -310.4; 01-APR-2010 11:36:13; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;42275
4; -141.2; 01-APR-2010 11:39:02; Dark ; 56.5; 57; 34Sig Sgr ; 2.07; 26000;occ; 113; 0;42275
5; 73.1; 01-APR-2010 11:42:37; Dark ; 56.0; 38; 20Eps Sgr ; 1.84; 11000;occ; 112; 0;42276
6; 300.1; 01-APR-2010 11:46:24; Dark ; 47.5; 40; The Sco ; 1.86; 7100;occ; 95; 0;42276
7; 518.6; 01-APR-2010 11:50:02; Dark ; 39.0; 134; Bet TrA ; 2.81; 6600;occ; 78; 0;42276
8; 676.5; 01-APR-2010 11:52:40; Dark ; 53.0; 4; Alp1Cen ;-0.01; 5800;occ; 106; 0;42276
9; 841.9; 01-APR-2010 11:55:26; Dark ; 46.0; 78; Alp Lup ; 2.30; 28000;occ; 92; 0;42276
10; 938.3; 01-APR-2010 11:57:02; Dark ; 47.0; 81; Eta Cen ; 2.36; 28000;occ; 94; 0;42276
11; 1101.8; 01-APR-2010 11:59:46; Dark ; 51.0; 54; 5The Cen ; 2.06; 4500;occ; 102; 0;42276
12; 1461.2; 01-APR-2010 12:05:45; Dark ; 46.0; 106; 9Bet Crv ; 2.65; 5600;occ; 92; 0;42276
13; 1578.4; 01-APR-2010 12:07:42; Dark ; 43.0; 100; 4Gam Crv ; 2.58; 13100;occ; 86; 0;42276
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2; 1688.0; 01-APR-2010 12:09:32; Dark ; 42.0; 15; 67Alp Vir ; 0.98; 28000;occ; 84; 0;42276
3; 1883.0; 01-APR-2010 12:12:47; Bright; 44.0; 121; 29Gam Vir ; 2.74; 7200;occ; 88; 0;42276
4; 2160.3; 01-APR-2010 12:17:24; Bright; 38.0; 62; 94Bet Leo ; 2.14; 9700;occ; 76; 0;42276
5; 2665.9; 01-APR-2010 12:25:50; Bright; 37.0; 174; 52Psi UMa ; 3.00; 4400;occ; 74; 0;42276
6; 2847.2; 01-APR-2010 12:28:51; Bright; 39.5; 87; 64Gam UMa ; 2.43; 11000;occ; 79; 0;42276
7; 2957.6; 01-APR-2010 12:30:41; Bright; 38.5; 36; 50Alp UMa ; 1.80; 6300;occ; 77; 0;42276
8; 3336.3; 01-APR-2010 12:37:00; Bright; 41.0; 60; 7Bet UMi ; 2.08; 3950;occ; 82; 0;42276
9; 3901.8; 01-APR-2010 12:46:25; Bright; 38.0; 89; 5Alp Cep ; 2.45; 8000;occ; 76; 0;42276
10; 4198.6; 01-APR-2010 12:51:22; Bright; 55.5; 144; 18Del Cyg ; 2.86; 11000;occ; 111; 0;42276
11; 4312.6; 01-APR-2010 12:53:16; Bright; 46.5; 66; 37Gam Cyg ; 2.21; 5900;occ; 93; 0;42276
12; 4434.9; 01-APR-2010 12:55:19; Bright; 45.5; 92; 53Eps Cyg ; 2.50; 4500;occ; 91; 0;42276
13; 5726.2; 01-APR-2010 13:16:50; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;42276
14; 5896.3; 01-APR-2010 13:19:40; Dark ; 52.0; 57; 34Sig Sgr ; 2.07; 26000;occ; 104; 0;42276
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16; 6336.8; 01-APR-2010 13:27:00; Dark ; 54.0; 40; The Sco ; 1.86; 7100;occ; 108; 0;42277
17; 6555.0; 01-APR-2010 13:30:39; Dark ; 40.5; 134; Bet TrA ; 2.81; 6600;occ; 81; 0;42277
18; 6712.9; 01-APR-2010 13:33:17; Dark ; 53.5; 4; Alp1Cen ;-0.01; 5800;occ; 107; 0;42277
19; 6878.6; 01-APR-2010 13:36:02; Dark ; 45.0; 78; Alp Lup ; 2.30; 28000;occ; 90; 0;42277
20; 6974.7; 01-APR-2010 13:37:38; Dark ; 45.0; 81; Eta Cen ; 2.36; 28000;occ; 90; 0;42277
21; 7138.3; 01-APR-2010 13:40:22; Dark ; 54.0; 54; 5The Cen ; 2.06; 4500;occ; 108; 0;42277
22; 7497.3; 01-APR-2010 13:46:21; Dark ; 45.0; 106; 9Bet Crv ; 2.65; 5600;occ; 90; 0;42277
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2; 1687.9; 01-APR-2010 13:50:07; Dark ; 42.0; 15; 67Alp Vir ; 0.98; 28000;occ; 84; 0;42277
3; 1882.3; 01-APR-2010 13:53:22; Bright; 45.5; 121; 29Gam Vir ; 2.74; 7200;occ; 91; 0;42277
4; 2160.2; 01-APR-2010 13:58:00; Bright; 38.0; 62; 94Bet Leo ; 2.14; 9700;occ; 76; 0;42277
5; 2666.2; 01-APR-2010 14:06:26; Bright; 35.0; 174; 52Psi UMa ; 3.00; 4400;occ; 70; 0;42277
6; 2847.1; 01-APR-2010 14:09:27; Bright; 38.0; 87; 64Gam UMa ; 2.43; 11000;occ; 76; 0;42277
7; 2957.4; 01-APR-2010 14:11:17; Bright; 40.5; 36; 50Alp UMa ; 1.80; 6300;occ; 81; 0;42277
8; 3336.1; 01-APR-2010 14:17:36; Bright; 38.0; 60; 7Bet UMi ; 2.08; 3950;occ; 76; 0;42277
9; 3901.8; 01-APR-2010 14:27:01; Bright; 38.5; 89; 5Alp Cep ; 2.45; 8000;occ; 77; 0;42277
10; 4198.5; 01-APR-2010 14:31:58; Bright; 44.5; 144; 18Del Cyg ; 2.86; 11000;occ; 89; 0;42277
11; 4312.9; 01-APR-2010 14:33:52; Bright; 42.5; 66; 37Gam Cyg ; 2.21; 5900;occ; 85; 0;42277
12; 4434.9; 01-APR-2010 14:35:54; Bright; 44.5; 92; 53Eps Cyg ; 2.50; 4500;occ; 89; 0;42277
13; 5727.1; 01-APR-2010 14:57:27; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;42277
14; 5897.7; 01-APR-2010 15:00:17; Dark ; 52.0; 57; 34Sig Sgr ; 2.07; 26000;occ; 104; 0;42277
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17; 6555.6; 01-APR-2010 15:11:15; Dark ; 42.0; 134; Bet TrA ; 2.81; 6600;occ; 84; 0;42278
18; 6713.7; 01-APR-2010 15:13:53; Dark ; 43.5; 4; Alp1Cen ;-0.01; 5800;occ; 87; 0;42278
19; 6879.3; 01-APR-2010 15:16:39; Dark ; 42.5; 78; Alp Lup ; 2.30; 28000;occ; 85; 0;42278
20; 6975.6; 01-APR-2010 15:18:15; Dark ; 48.5; 81; Eta Cen ; 2.36; 28000;occ; 97; 0;42278
21; 7139.0; 01-APR-2010 15:20:59; Dark ; 51.0; 54; 5The Cen ; 2.06; 4500;occ; 102; 0;42278
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2; 1578.9; 01-APR-2010 15:28:54; Dark ; 43.5; 100; 4Gam Crv ; 2.58; 13100;occ; 87; 0;42278

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5; 2159.9; 01-APR-2010 15:38:35; Bright; 39.0; 62; 94Bet Leo ; 2.14; 9700;occ; 78; 0;42278
6; 2665.8; 01-APR-2010 15:47:01; Bright; 37.0; 174; 52Psi UMa ; 3.00; 4400;occ; 74; 0;42278
7; 2847.0; 01-APR-2010 15:50:02; Bright; 37.0; 87; 64Gam UMa ; 2.43; 11000;occ; 74; 0;42278
8; 2957.4; 01-APR-2010 15:51:53; Bright; 37.5; 36; 50Alp UMa ; 1.80; 6300;occ; 75; 0;42278
9; 3335.6; 01-APR-2010 15:58:11; Bright; 43.5; 60; 7Bet UMi ; 2.08; 3950;occ; 87; 0;42278
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11; 4198.6; 01-APR-2010 16:12:34; Bright; 45.0; 144; 18Del Cyg ; 2.86; 11000;occ; 90; 0;42278
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13; 4435.1; 01-APR-2010 16:16:31; Bright; 45.0; 92; 53Eps Cyg ; 2.50; 4500;occ; 90; 0;42278
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3; 520.4; 01-APR-2010 18:32:28; Dark ; 40.0; 134; Bet TrA ; 2.81; 6600;occ; 80; 0;42280
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6; 940.9; 01-APR-2010 18:39:28; Dark ; 48.0; 81; Eta Cen ; 2.36; 28000;occ; 96; 0;42280
7; 1104.4; 01-APR-2010 18:42:12; Dark ; 31.5; 54; 5The Cen ; 2.06; 4500;occ; 63; 0;42280
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3; 1579.4; 01-APR-2010 18:50:07; Dark ; 43.0; 100; 4Gam Crv ; 2.58; 13100;occ; 86; 0;42280
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6; 2159.7; 01-APR-2010 18:59:47; Bright; 38.5; 62; 94Bet Leo ; 2.14; 9700;occ; 77; 0;42280
7; 2665.6; 01-APR-2010 19:08:13; Bright; 35.5; 174; 52Psi UMa ; 3.00; 4400;occ; 71; 0;42280
8; 2846.3; 01-APR-2010 19:11:14; Bright; 48.0; 87; 64Gam UMa ; 2.43; 11000;occ; 96; 0;42280
9; 2957.3; 01-APR-2010 19:13:05; Bright; 38.0; 36; 50Alp UMa ; 1.80; 6300;occ; 76; 0;42280
10; 3335.1; 01-APR-2010 19:19:23; Bright; 36.0; 60; 7Bet UMi ; 2.08; 3950;occ; 72; 0;42280
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13; 4313.0; 01-APR-2010 19:35:40; Bright; 47.0; 66; 37Gam Cyg ; 2.21; 5900;occ; 94; 0;42280
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 38; 8195.0; 02-APR-2010 03:22:46; Bright; 39.0; 62; 94Bet Leo ; 2.14; 9700;occ; 78; 0;42285
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3; 340.3; 04-APR-2010 00:08:37; Dark ; 52.0; 40; The Sco ; 1.86; 7100;occ; 104; 0;42312
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 3; 2157.8; 03-APR-2010 07:52:56; Bright; 38.0; 62; 94Bet Leo ; 2.14; 9700;occ; 76; 0;42302
 4; 2661.1; 03-APR-2010 08:01:19; Bright; 42.0; 152; 12Alp2CVn ; 2.89; 11000;occ; 84; 0;42302
 5; 2841.6; 03-APR-2010 08:04:19; Bright; 38.0; 87; 64Gam UMa ; 2.43; 11000;occ; 76; 0;42302
 6; 2946.3; 03-APR-2010 08:06:04; Bright; 41.5; 32; 77Eps UMa ; 1.76; 11000;occ; 83; 0;42302
 7; 3327.6; 03-APR-2010 08:12:25; Bright; 58.0; 60; 7Bet UMi ; 2.08; 3950;occ; 116; 0;42302
 8; 3899.7; 03-APR-2010 08:21:58; Bright; 38.0; 89; 5Alp Cep ; 2.45; 8000;occ; 76; 0;42302
 9; 4194.5; 03-APR-2010 08:26:52; Bright; 46.0; 144; 18Del Cyg ; 2.86; 11000;occ; 92; 0;42302
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 12; 4835.5; 03-APR-2010 08:37:33; Dark ; 48.0; 61; 8Eps Peg ; 2.10; 3900;occ; 96; 0;42302
 13; 5114.2; 03-APR-2010 08:42:12; Dark ; 43.5; 154; 22Bet Aqr ; 2.90; 5700;occ; 87; 0;42302
 14; 5748.3; 03-APR-2010 08:52:46; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;42302
 15; 5929.9; 03-APR-2010 08:55:48; Dark ; 51.5; 103; 38Zet Sgr ; 2.60; 9700;occ; 103; 0;42302
 16; 6145.1; 03-APR-2010 08:59:23; Dark ; 54.5; 38; 20Eps Sgr ; 1.84; 11000;occ; 109; 0;42303
 17; 6366.1; 03-APR-2010 09:03:04; Dark ; 51.5; 40; The Sco ; 1.86; 7100;occ; 103; 0;42303
 18; 6568.2; 03-APR-2010 09:06:26; Dark ; 38.5; 134; Bet TrA ; 2.81; 6600;occ; 77; 0;42303
 19; 6894.3; 03-APR-2010 09:11:52; Dark ; 44.0; 78; Alp Lup ; 2.30; 28000;occ; 88; 0;42303
 20; 6990.9; 03-APR-2010 09:13:29; Dark ; 49.0; 81; Eta Cen ; 2.36; 28000;occ; 98; 0;42303
 21; 7151.6; 03-APR-2010 09:16:09; Dark ; 51.0; 54; 5The Cen ; 2.06; 4500;occ; 102; 0;42303
 22; 7502.3; 03-APR-2010 09:22:00; Dark ; 42.5; 106; 9Bet Crv ; 2.65; 5600;occ; 85; 0;42303
 23; 7618.5; 03-APR-2010 09:23:56; Dark ; 44.0; 100; 4Gam Crv ; 2.58; 13100;occ; 88; 0;42303
 24; 7723.6; 03-APR-2010 09:25:41; Dark ; 62.5; 15; 67Alp Vir ; 0.98; 28000;occ; 125; 0;42303

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 3; 2660.6; 03-APR-2010 09:41:54; Bright; 43.0; 152; 12Alp2CVn ; 2.89; 11000;occ; 86; 0;42303
 4; 2841.4; 03-APR-2010 09:44:55; Bright; 37.0; 87; 64Gam UMa ; 2.43; 11000;occ; 74; 0;42303
 5; 2945.9; 03-APR-2010 09:46:40; Bright; 40.5; 32; 77Eps UMa ; 1.76; 11000;occ; 81; 0;42303
 6; 3327.5; 03-APR-2010 09:53:01; Bright; 36.5; 60; 7Bet UMi ; 2.08; 3950;occ; 73; 0;42303
 7; 3899.9; 03-APR-2010 10:02:34; Bright; 50.0; 89; 5Alp Cep ; 2.45; 8000;occ; 100; 0;42303
 8; 4194.4; 03-APR-2010 10:07:28; Bright; 46.5; 144; 18Del Cyg ; 2.86; 11000;occ; 93; 0;42303
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 7; 3327.0; 03-APR-2010 11:33:37; Bright; 36.5; 60; 7Bet UMi ; 2.08; 3950;occ; 73; 0;42304
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 9; 4194.3; 03-APR-2010 11:48:04; Bright; 46.0; 144; 18Del Cyg ; 2.86; 11000;occ; 92; 0;42304
10; 4312.6; 03-APR-2010 11:50:02; Bright; 64.0; 66; 37Gam Cyg ; 2.21; 5900;occ; 128; 0;42304
11; 4437.6; 03-APR-2010 11:52:07; Bright; 46.0; 92; 53Eps Cyg ; 2.50; 4500;occ; 92; 0;42304
12; 4836.2; 03-APR-2010 11:58:46; Dark ; 46.0; 61; 8Eps Peg ; 2.10; 3900;occ; 92; 0;42304
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11; 4438.1; 03-APR-2010 13:32:43; Bright; 43.5; 92; 53Eps Cyg ; 2.50; 4500;occ; 87; 0;42305
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20; 6992.7; 03-APR-2010 14:15:18; Dark ; 46.0; 81; Eta Cen ; 2.36; 28000;occ; 92; 0;42306
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 2; 1583.0; 03-APR-2010 14:25:44; Dark ; 42.0; 100; 4Gam Crv ; 2.58; 13100;occ; 84; 0;42306
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 6; 2659.4; 03-APR-2010 14:43:41; Bright; 42.0; 152; 12Alp2CVn ; 2.89; 11000;occ; 84; 0;42306
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 9; 3326.6; 03-APR-2010 14:54:48; Bright; 35.5; 60; 7Bet UMi ; 2.08; 3950;occ; 71; 0;42306
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12; 4312.8; 03-APR-2010 15:11:14; Bright; 47.5; 66; 37Gam Cyg ; 2.21; 5900;occ; 95; 0;42306

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 3; 530.6; 15-APR-2010 22:54:10; Dark ; 56.5; 40; The Sco ; 1.86; 7100;occ; 113; 0;42483
 4; 952.9; 15-APR-2010 23:01:12; Dark ; 42.5; 78; Alp Lup ; 2.30; 28000;occ; 85; 0;42483
 5; 1048.7; 15-APR-2010 23:02:48; Dark ; 44.5; 81; Eta Cen ; 2.36; 28000;occ; 89; 0;42483
 6; 1190.9; 15-APR-2010 23:05:10; Dark ; 47.0; 54; 5The Cen ; 2.06; 4500;occ; 94; 0;42483
 7; 1473.6; 15-APR-2010 23:09:53; Dark ; 44.0; 169; 46Gam Hya ; 2.99; 4700;occ; 88; 0;42483
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 11; 2305.2; 15-APR-2010 23:23:44; Bright; 47.5; 111; 8Eta Boo ; 2.68; 6000;occ; 95; 0;42483
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 13; 2848.1; 15-APR-2010 23:32:47; Bright; 39.5; 39; 85Eta UMa ; 1.85; 24000;occ; 79; 0;42483


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15; 3357.3; 15-APR-2010 23:41:16; Bright; 45.0; 119; 14Eta Dra ; 2.73; 4700;occ; 90; 0;42483
16; 3878.5; 15-APR-2010 23:49:57; Bright; 37.0; 89; 5Alp Cep ; 2.45; 8000;occ; 74; 0;42483
17; 4194.6; 15-APR-2010 23:55:14; Bright; 50.5; 19; 50Alp Cyg ; 1.25; 10500;occ; 101; 0;42483
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4; -1140.0; 15-APR-2010 07:20:56; Dark ; 53.0; 61; 8Eps Peg ; 2.10; 3900;occ; 106; 0;42473
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11; 1044.7; 15-APR-2010 07:57:21; Dark ; 44.5; 81; Eta Cen ; 2.36; 28000;occ; 89; 0;42474
12; 1188.1; 15-APR-2010 07:59:44; Dark ; 46.5; 54; 5The Cen ; 2.06; 4500;occ; 93; 0;42474
13; 1472.3; 15-APR-2010 08:04:28; Dark ; 41.5; 169; 46Gam Hya ; 2.99; 4700;occ; 83; 0;42474
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4; 2310.1; 15-APR-2010 08:18:26; Bright; 47.5; 111; 8Eta Boo ; 2.68; 6000;occ; 95; 0;42474
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6; 2852.5; 15-APR-2010 08:27:28; Bright; 40.5; 39; 85Eta UMa ; 1.85; 24000;occ; 81; 0;42474
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8; 3364.0; 15-APR-2010 08:36:00; Bright; 47.5; 119; 14Eta Dra ; 2.73; 4700;occ; 95; 0;42474
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11; 4473.6; 15-APR-2010 08:54:29; Bright; 37.5; 164; 44Eta Peg ; 2.95; 5400;occ; 75; 0;42474
12; 4896.7; 15-APR-2010 09:01:33; Dark ; 51.5; 61; 8Eps Peg ; 2.10; 3900;occ; 103; 0;42474
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21; 7508.2; 15-APR-2010 09:45:04; Dark ; 45.0; 169; 46Gam Hya ; 2.99; 4700;occ; 90; 0;42475
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4; 2309.5; 15-APR-2010 09:59:01; Bright; 46.5; 111; 8Eta Boo ; 2.68; 6000;occ; 93; 0;42475
5; 2590.9; 15-APR-2010 10:03:43; Bright; 39.0; 152; 12Alp2CVn ; 2.89; 11000;occ; 78; 0;42475
6; 2852.0; 15-APR-2010 10:08:04; Bright; 42.0; 39; 85Eta UMa ; 1.85; 24000;occ; 84; 0;42475
7; 3274.5; 15-APR-2010 10:15:06; Bright; 41.5; 60; 7Bet UMi ; 2.08; 3950;occ; 83; 0;42475
8; 3363.2; 15-APR-2010 10:16:35; Bright; 48.5; 119; 14Eta Dra ; 2.73; 4700;occ; 97; 0;42475
9; 3879.8; 15-APR-2010 10:25:11; Bright; 39.0; 89; 5Alp Cep ; 2.45; 8000;occ; 78; 0;42475
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11; 4473.5; 15-APR-2010 10:35:05; Bright; 54.0; 164; 44Eta Peg ; 2.95; 5400;occ; 108; 0;42475
12; 4897.1; 15-APR-2010 10:42:09; Dark ; 48.5; 61; 8Eps Peg ; 2.10; 3900;occ; 97; 0;42475
13; 5044.9; 15-APR-2010 10:44:37; Dark ; 44.0; 162; 34Alp Aqr ; 2.94; 5350;occ; 88; 0;42475
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16; 5921.5; 15-APR-2010 10:59:13; Dark ; 59.0; 0; ; 0.00; 0;occ; 118; 0;42475
17; 6558.7; 15-APR-2010 11:09:50; Dark ; 63.0; 40; The Sco ; 1.86; 7100;occ; 126; 0;42476
18; 6985.9; 15-APR-2010 11:16:58; Dark ; 42.5; 78; Alp Lup ; 2.30; 28000;occ; 85; 0;42476
19; 7081.4; 15-APR-2010 11:18:33; Dark ; 45.5; 81; Eta Cen ; 2.36; 28000;occ; 91; 0;42476
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21; 7508.6; 15-APR-2010 11:25:40; Dark ; 41.5; 169; 46Gam Hya ; 2.99; 4700;occ; 83; 0;42476

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6; 2851.4; 15-APR-2010 11:48:39; Bright; 43.0; 39; 85Eta UMA ; 1.85; 24000;occ; 86; 0;42476
7; 3274.1; 15-APR-2010 11:55:42; Bright; 40.5; 60; 7Bet UMi ; 2.08; 3950;occ; 81; 0;42476
8; 3362.6; 15-APR-2010 11:57:10; Bright; 47.5; 119; 14Eta Dra ; 2.73; 4700;occ; 95; 0;42476
9; 3879.3; 15-APR-2010 12:05:47; Bright; 37.5; 89; 5Alp Cep ; 2.45; 8000;occ; 75; 0;42476
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5; 2590.3; 15-APR-2010 13:24:54; Bright; 39.5; 152; 12Alp2CVn ; 2.89; 11000;occ; 79; 0;42477
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13; 5046.5; 15-APR-2010 15:46:26; Dark ; 46.5; 162; 34Alp Aqr ; 2.94; 5350;occ; 93; 0;42478
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4; 2560.5; 28-APR-2010 19:58:10; Bright; 36.0; 152; 12Alp2CVn ; 2.89; 11000;occ; 72; 0;42667
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8; 2472.6; 29-APR-2010 00:58:29; Bright; 48.0; 83; ; 2.38; 11000;occ; 96; 0;42670
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