

GOMOS Daily Report 03-JUL-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	08JUL2010 04:51:58
Data source version	GOMOS/5.01
Start time of products	03JUL2010 00:11:09
Stop time of products	03JUL2010 23:57:50
Store outputs in DB	Yes
Nb of level 1b prods	105
Nb of prods with errors	0

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

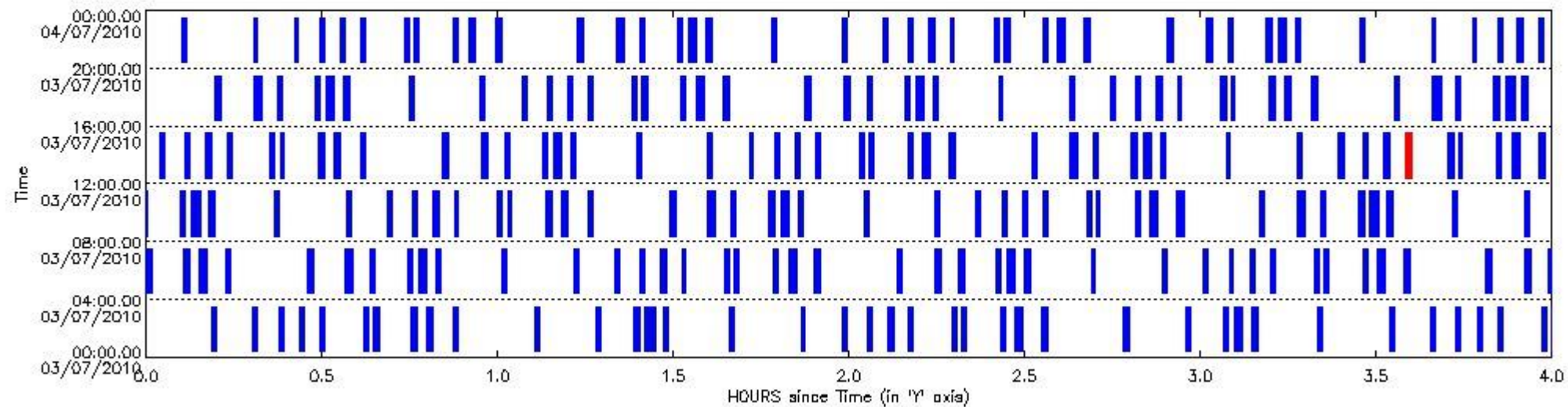
2.1 Level 0 products arrived in PCF (see template [here](#))

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
03-JUL-2010 15:35:04	5AlpCep	89	43609

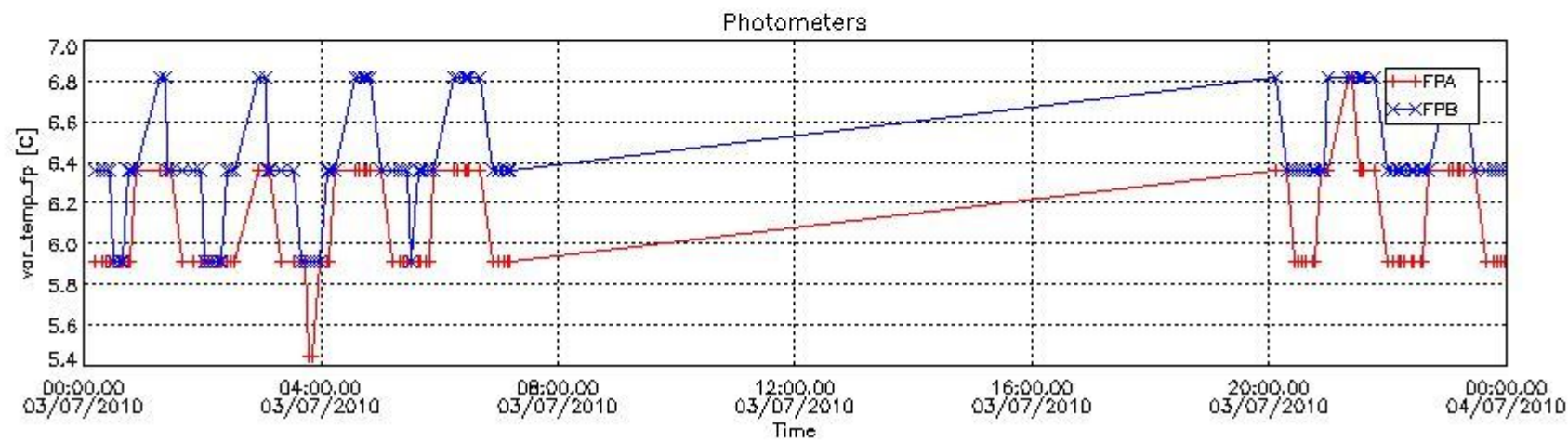
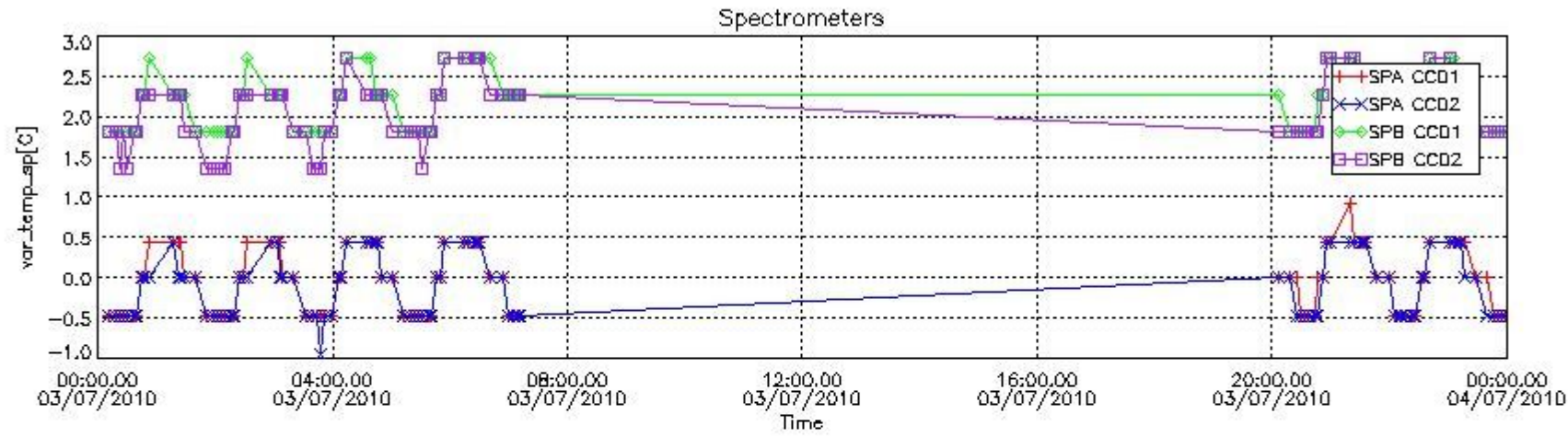
2.4 Summary of processed GOM_TRA_1P products

Nr	Filename	UTC Start time	Limb	Duration	Star Id	Star Name	Star Mag	Star Temp	Nb Meas	Orbit	Prod. error
1	GOM_TRA_1PNPDE20100703_001109_000000482090_00460_43600_3851.N1	03-JUL-2010 00:11:09	Bright	48.000	168	17Zet Aql	2.9860	11000.	96	43600	No
2	GOM_TRA_1PNPDE20100703_001810_000000412090_00460_43600_3852.N1	03-JUL-2010 00:18:10	Bright	41.000	5	3Alp Lyr	0.033000	11000.	82	43600	No
3	GOM_TRA_1PNPDE20100703_002232_000000492090_00460_43600_3853.N1	03-JUL-2010 00:22:32	Bright	49.000	144	18Del Cyg	2.8600	11000.	98	43600	No
4	GOM_TRA_1PNPDE20100703_002603_000000602090_00460_43600_3854.N1	03-JUL-2010 00:26:03	Bright	59.500	19	50Alp Cyg	1.2460	10500.	119	43600	No
5	GOM_TRA_1PNPDE20100703_002937_000000472090_00460_43600_3855.N1	03-JUL-2010 00:29:37	Bright	47.000	89	5Alp Cep	2.4510	8000.0	94	43600	No
6	GOM_TRA_1PNPDE20100703_003702_000000492090_00460_43600_3856.N1	03-JUL-2010 00:37:02	Bright	49.000	74	11Bet Cas	2.2680	6600.0	98	43600	No
7	GOM_TRA_1PNPDE20100703_003840_000000632090_00460_43600_3857.N1	03-JUL-2010 00:38:40	Bright	63.000	110	37Del Cas	2.6780	8900.0	126	43600	No
8	GOM_TRA_1PNPDE20100703_004515_000000662090_00460_43600_3858.N1	03-JUL-2010 00:45:15	Bright	66.000	73	57Gam1And	2.2600	13100.	132	43600	No
9	GOM_TRA_1PNPDE20100703_004750_000000732090_00460_43600_3859.N1	03-JUL-2010 00:47:50	Twilight_stray	72.500	53	43Bet And	2.0480	3300.0	145	43600	No
10	GOM_TRA_1PNPDE20100703_005219_000000602090_00460_43600_3860.N1	03-JUL-2010 00:52:19	Dark	59.500	50	13Alp Ari	2.0070	4250.0	119	43600	No

11	GOM_TRA_1PNPDE20100703_011650_000000502090_00461_43601_3887.N1	03-JUL-2010 01:16:50	Dark	49.500	84	Alp Phe	2.3970	4500.0	99	43601	No
12	GOM_TRA_1PNPDE20100703_012318_000000632090_00461_43601_3888.N1	03-JUL-2010 01:23:18	Straylight	63.000	63	Bet Gru	2.1500	2800.0	126	43601	No
13	GOM_TRA_1PNPDE20100703_012511_000001002090_00461_43601_3889.N1	03-JUL-2010 01:25:11	Straylight	100.00	18	24Alp PsA	1.1660	9700.0	200	43601	No
14	GOM_TRA_1PNPDE20100703_012810_000000562090_00461_43601_3890.N1	03-JUL-2010 01:28:10	Straylight	56.000	172	Gam Gru	3.0030	13100.	112	43601	No
15	GOM_TRA_1PNPDE20100703_013932_000000462090_00461_43601_3891.N1	03-JUL-2010 01:39:32	Bright	45.500	155	41Pi Sgr	2.9000	6600.0	91	43601	No
16	GOM_TRA_1PNPDE20100703_015144_000000472090_00461_43601_3892.N1	03-JUL-2010 01:51:44	Bright	46.500	168	17Zet Aql	2.9860	11000.	93	43601	No
17	GOM_TRA_1PNPDE20100703_015846_000000472090_00461_43601_3893.N1	03-JUL-2010 01:58:46	Bright	46.500	5	3Alp Lyr	0.033000	11000.	93	43601	No
18	GOM_TRA_1PNPDE20100703_020307_000000492090_00461_43601_3894.N1	03-JUL-2010 02:03:07	Bright	49.000	144	18Del Cyg	2.8600	11000.	98	43601	No
19	GOM_TRA_1PNPDE20100703_020638_000000602090_00461_43601_3895.N1	03-JUL-2010 02:06:38	Bright	60.000	19	50Alp Cyg	1.2460	10500.	120	43601	No
20	GOM_TRA_1PNPDE20100703_021012_000000452090_00461_43601_3896.N1	03-JUL-2010 02:10:12	Bright	45.000	89	5Alp Cep	2.4510	8000.0	90	43601	No
21	GOM_TRA_1PNPDE20100703_021737_000000472090_00461_43601_3897.N1	03-JUL-2010 02:17:37	Bright	47.000	74	11Bet Cas	2.2680	6600.0	94	43601	No
22	GOM_TRA_1PNPDE20100703_021915_000000422090_00461_43601_3898.N1	03-JUL-2010 02:19:15	Bright	41.500	110	37Del Cas	2.6780	8900.0	83	43601	No
23	GOM_TRA_1PNPDE20100703_022551_000000572090_00461_43601_3899.N1	03-JUL-2010 02:25:51	Bright	56.500	73	57Gam1And	2.2600	13100.	113	43601	No
24	GOM_TRA_1PNPDE20100703_022826_000000762090_00461_43601_3900.N1	03-JUL-2010 02:28:26	Tw_i_and_stray	75.500	53	43Bet And	2.0480	3300.0	151	43601	No
25	GOM_TRA_1PNPDE20100703_023254_000000602090_00461_43601_3901.N1	03-JUL-2010 02:32:54	Dark	60.000	50	13Alp Ari	2.0070	4250.0	120	43601	No
26	GOM_TRA_1PNPDE20100703_025728_000000492090_00462_43602_3902.N1	03-JUL-2010 02:57:28	Dark	48.500	84	Alp Phe	2.3970	4500.0	97	43602	No
27	GOM_TRA_1PNPDE20100703_030354_000000542090_00462_43602_3903.N1	03-JUL-2010 03:03:54	Straylight	54.000	63	Bet Gru	2.1500	2800.0	108	43602	No
28	GOM_TRA_1PNPDE20100703_030548_000000852090_00462_43602_3904.N1	03-JUL-2010 03:05:48	Straylight	85.000	18	24Alp PsA	1.1660	9700.0	170	43602	No
29	GOM_TRA_1PNPDE20100703_030847_000000562090_00462_43602_3905.N1	03-JUL-2010 03:08:47	Straylight	56.000	172	Gam Gru	3.0030	13100.	112	43602	No
30	GOM_TRA_1PNPDE20100703_032008_000000442090_00462_43602_3906.N1	03-JUL-2010 03:20:08	Bright	43.500	155	41Pi Sgr	2.9000	6600.0	87	43602	No
31	GOM_TRA_1PNPDE20100703_033220_000000482090_00462_43602_3907.N1	03-JUL-2010 03:32:20	Bright	48.000	168	17Zet Aql	2.9860	11000.	96	43602	No
32	GOM_TRA_1PNPDE20100703_033921_000000412090_00462_43602_3908.N1	03-JUL-2010 03:39:21	Bright	41.000	5	3Alp Lyr	0.033000	11000.	82	43602	No
33	GOM_TRA_1PNPDE20100703_034342_000000482090_00462_43602_3918.N1	03-JUL-2010 03:43:42	Bright	47.500	144	18Del Cyg	2.8600	11000.	95	43602	No
34	GOM_TRA_1PNPDE20100703_034713_000000592090_00462_43602_3919.N1	03-JUL-2010 03:47:13	Bright	59.000	19	50Alp Cyg	1.2460	10500.	118	43602	No
35	GOM_TRA_1PNPDE20100703_035048_000000452090_00462_43602_3920.N1	03-JUL-2010 03:50:48	Bright	45.000	89	5Alp Cep	2.4510	8000.0	90	43602	No
36	GOM_TRA_1PNPDE20100703_035813_000000492090_00462_43602_3921.N1	03-JUL-2010 03:58:13	Bright	49.000	74	11Bet Cas	2.2680	6600.0	98	43602	No
37	GOM_TRA_1PNPDE20100703_035951_000000632090_00462_43602_3922.N1	03-JUL-2010 03:59:51	Bright	63.000	110	37Del Cas	2.6780	8900.0	126	43602	No
38	GOM_TRA_1PNPDE20100703_040627_000000522090_00462_43602_3923.N1	03-JUL-2010 04:06:27	Bright	51.500	73	57Gam1And	2.2600	13100.	103	43602	No
39	GOM_TRA_1PNPDE20100703_040901_000000762090_00462_43602_3924.N1	03-JUL-2010 04:09:01	Tw_i_and_stray	75.500	53	43Bet And	2.0480	3300.0	151	43602	No
40	GOM_TRA_1PNPDE20100703_041331_000000582090_00462_43602_3925.N1	03-JUL-2010 04:13:31	Dark	58.000	50	13Alp Ari	2.0070	4250.0	116	43602	No
41	GOM_TRA_1PNPDE20100703_043358_000000732090_00462_43602_3926.N1	03-JUL-2010 04:33:58	Dark	72.500	52	16Bet Cet	2.0370	4500.0	145	43602	No
42	GOM_TRA_1PNPDE20100703_043805_000000502090_00463_43603_3927.N1	03-JUL-2010 04:38:05	Dark	50.000	84	Alp Phe	2.3970	4500.0	100	43603	No
43	GOM_TRA_1PNPDE20100703_044431_000000532090_00463_43603_3928.N1	03-JUL-2010 04:44:31	Straylight	52.500	63	Bet Gru	2.1500	2800.0	105	43603	No
44	GOM_TRA_1PNPDE20100703_044626_000000872090_00463_43603_3929.N1	03-JUL-2010 04:46:26	Straylight	87.000	18	24Alp PsA	1.1660	9700.0	174	43603	No
45	GOM_TRA_1PNPDE20100703_044924_000000562090_00463_43603_3930.N1	03-JUL-2010 04:49:24	Straylight	55.500	172	Gam Gru	3.0030	13100.	111	43603	No
46	GOM_TRA_1PNPDE20100703_050044_000000432090_00463_43603_3931.N1	03-JUL-2010 05:00:44	Bright	43.000	155	41Pi Sgr	2.9000	6600.0	86	43603	No
47	GOM_TRA_1PNPDE20100703_051256_000000482090_00463_43603_3932.N1	03-JUL-2010 05:12:56	Bright	48.000	168	17Zet Aql	2.9860	11000.	96	43603	No
48	GOM_TRA_1PNPDE20100703_051957_000000472090_00463_43603_3933.N1	03-JUL-2010 05:19:57	Bright	46.500	5	3Alp Lyr	0.033000	11000.	93	43603	No
49	GOM_TRA_1PNPDE20100703_052417_000000482090_00463_43603_3934.N1	03-JUL-2010 05:24:17	Bright	47.500	144	18Del Cyg	2.8600	11000.	95	43603	No
50	GOM_TRA_1PNPDE20100703_052747_000000602090_00463_43603_3935.N1	03-JUL-2010 05:27:47	Bright	60.000	19	50Alp Cyg	1.2460	10500.	120	43603	No
51	GOM_TRA_1PNPDE20100703_053123_000000462090_00463_43603_3936.N1	03-JUL-2010 05:31:23	Bright	46.000	89	5Alp Cep	2.4510	8000.0	92	43603	No
52	GOM_TRA_1PNPDE20100703_053848_000000502090_00463_43603_3941.N1	03-JUL-2010 05:38:48	Bright	49.500	74	11Bet Cas	2.2680	6600.0	99	43603	No
53	GOM_TRA_1PNPDE20100703_054026_000000452090_00463_43603_3942.N1	03-JUL-2010 05:40:26	Bright	44.500	110	37Del Cas	2.6780	8900.0	89	43603	No
54	GOM_TRA_1PNPDE20100703_054703_000000532090_00463_43603_3943.N1	03-JUL-2010 05:47:03	Bright	52.500	73	57Gam1And	2.2600	13100.	105	43603	No
55	GOM_TRA_1PNPDE20100703_054937_000000822090_00463_43603_3944.N1	03-JUL-2010 05:49:37	Tw_i_and_stray	81.500	53	43Bet And	2.0480	3300.0	163	43603	No
56	GOM_TRA_1PNPDE20100703_055407_000000642090_00463_43603_3945.N1	03-JUL-2010 05:54:07	Dark	64.000	50	13Alp Ari	2.0070	4250.0	128	43603	No
57	GOM_TRA_1PNPDE20100703_061436_000000722090_00463_43603_3946.N1	03-JUL-2010 06:14:36	Dark	72.000	52	16Bet Cet	2.0370	4500.0	144	43603	No
58	GOM_TRA_1PNPDE20100703_061841_000000612090_00464_43604_3947.N1	03-JUL-2010 06:18:41	Dark	61.000	84	Alp Phe	2.3970	4500.0	122	43604	No
59	GOM_TRA_1PNPDE20100703_062508_000000522090_00464_43604_3948.N1	03-JUL-2010 06:25:08	Straylight	52.000	63	Bet Gru	2.1500	2800.0	104	43604	No
60	GOM_TRA_1PNPDE20100703_062703_000000812090_00464_43604_3949.N1	03-JUL-2010 06:27:03	Straylight	80.500	18	24Alp PsA	1.1660	9700.0	161	43604	No
61	GOM_TRA_1PNPDE20100703_063001_000000572090_00464_43604_3950.N1	03-JUL-2010 06:30:01	Straylight	56.500	172	Gam Gru	3.0030	13100.	113	43604	No
62	GOM_TRA_1PNPDE20100703_064120_000000442090_00464_43604_3951.N1	03-JUL-2010 06:41:20	Bright	44.000	155	41Pi Sgr	2.9000	6600.0	88	43604	No
63	GOM_TRA_1PNPDE20100703_065331_000000482090_00464_43604_3952.N1	03-JUL-2010 06:53:31	Bright	48.000	168	17Zet Aql	2.9860	11000.	96	43604	No
64	GOM_TRA_1PNPDE20100703_070032_000000452090_00464_43604_3953.N1	03-JUL-2010 07:00:32	Bright	44.500	5	3Alp Lyr	0.033000	11000.	89	43604	No
65	GOM_TRA_1PNPDE20100703_070453_000000472090_00464_43604_3954.N1	03-JUL-2010 07:04:53	Bright	46.500	144	18Del Cyg	2.8600	11000.	93	43604	No
66	GOM_TRA_1PNPDE20100703_070822_000000562090_00464_43604_3955.N1	03-JUL-2010 07:08:22	Bright	55.500	19	50Alp Cyg	1.2460	10500.	111	43604	No
67	GOM_TRA_1PNPDE20100703_071158_000000432090_00464_43604_3956.N1	03-JUL-2010 07:11:58	Bright	42.500	89	5Alp Cep	2.4510	8000.0	85	43604	No
68	GOM_TRA_1PNPDE20100703_200609_000000452090_00472_43612_4059.N1	03-JUL-2010 20:06:09	Bright	45.000	155	41Pi Sgr	2.9000	6600.0	90	43612	No
69	GOM_TRA_1PNPDE20100703_201815_000000472090_00472_43612_4060.N1	03-JUL-2010 20:18:15	Bright	47.000	168	17Zet Aql	2.9860	11000.	94	43612	No

70	GOM_TRA_1PNPDE20100703_202516_000000412090_00472_43612_4061.N1	03-JUL-2010 20:25:16	Bright	40.500	5	3Alp Lyr	0.033000	11000.	81	43612	No
71	GOM_TRA_1PNPDE20100703_202933_000000482090_00472_43612_4062.N1	03-JUL-2010 20:29:33	Bright	48.000	144	18Del Cyg	2.8600	11000.	96	43612	No
72	GOM_TRA_1PNPDE20100703_203300_000000602090_00472_43612_4063.N1	03-JUL-2010 20:33:00	Bright	59.500	19	50Alp Cyg	1.2460	10500.	119	43612	No
73	GOM_TRA_1PNPDE20100703_203640_000000462090_00472_43612_4064.N1	03-JUL-2010 20:36:40	Bright	45.500	89	5Alp Cep	2.4510	8000.0	91	43612	No
74	GOM_TRA_1PNPDE20100703_204406_000000492090_00472_43612_4065.N1	03-JUL-2010 20:44:06	Bright	48.500	74	11Bet Cas	2.2680	6600.0	97	43612	No
75	GOM_TRA_1PNPDE20100703_204547_000000412090_00472_43612_4066.N1	03-JUL-2010 20:45:47	Bright	41.000	110	37Del Cas	2.6780	8900.0	82	43612	No
76	GOM_TRA_1PNPDE20100703_205225_000000542090_00472_43612_4067.N1	03-JUL-2010 20:52:25	Bright	54.000	73	57Gam1And	2.2600	13100.	108	43612	No
77	GOM_TRA_1PNPDE20100703_205501_000000742090_00472_43612_4068.N1	03-JUL-2010 20:55:01	Twilight	73.500	53	43Bet And	2.0480	3300.0	147	43612	No
78	GOM_TRA_1PNPDE20100703_205934_000000622090_00472_43612_4069.N1	03-JUL-2010 20:59:34	Dark	62.000	50	13Alp Ari	2.0070	4250.0	124	43612	No
79	GOM_TRA_1PNPDE20100703_212018_000000762090_00472_43612_4081.N1	03-JUL-2010 21:20:18	Dark	76.000	52	16Bet Cet	2.0370	4500.0	152	43612	No
80	GOM_TRA_1PNPDE20100703_212415_000000472090_00473_43613_4082.N1	03-JUL-2010 21:24:15	Dark	47.000	84	Alp Phe	2.3970	4500.0	94	43613	No
81	GOM_TRA_1PNPDE20100703_213040_000000502090_00473_43613_4083.N1	03-JUL-2010 21:30:40	Straylight	49.500	63	Bet Gru	2.1500	2800.0	99	43613	No
82	GOM_TRA_1PNPDE20100703_213242_000000762090_00473_43613_4084.N1	03-JUL-2010 21:32:42	Straylight	75.500	18	24Alp PsA	1.1660	9700.0	151	43613	No
83	GOM_TRA_1PNPDE20100703_213533_000000562090_00473_43613_4085.N1	03-JUL-2010 21:35:33	Straylight	56.000	172	Gam Gru	3.0030	13100.	112	43613	No
84	GOM_TRA_1PNPDE20100703_214645_000000452090_00473_43613_4086.N1	03-JUL-2010 21:46:45	Bright	45.000	155	41Pi Sgr	2.9000	6600.0	90	43613	No
85	GOM_TRA_1PNPDE20100703_215850_000000482090_00473_43613_4087.N1	03-JUL-2010 21:58:50	Bright	48.000	168	17Zet Aql	2.9860	11000.	96	43613	No
86	GOM_TRA_1PNPDE20100703_220551_000000412090_00473_43613_4088.N1	03-JUL-2010 22:05:51	Bright	40.500	5	3Alp Lyr	0.033000	11000.	81	43613	No
87	GOM_TRA_1PNPDE20100703_221008_000000482090_00473_43613_4089.N1	03-JUL-2010 22:10:08	Bright	47.500	144	18Del Cyg	2.8600	11000.	95	43613	No
88	GOM_TRA_1PNPDE20100703_221335_000000612090_00473_43613_4090.N1	03-JUL-2010 22:13:35	Bright	61.000	19	50Alp Cyg	1.2460	10500.	122	43613	No
89	GOM_TRA_1PNPDE20100703_221716_000000432090_00473_43613_4091.N1	03-JUL-2010 22:17:16	Bright	43.000	89	5Alp Cep	2.4510	8000.0	86	43613	No
90	GOM_TRA_1PNPDE20100703_222442_000000502090_00473_43613_4092.N1	03-JUL-2010 22:24:42	Bright	50.000	74	11Bet Cas	2.2680	6600.0	100	43613	No
91	GOM_TRA_1PNPDE20100703_222623_000000632090_00473_43613_4093.N1	03-JUL-2010 22:26:23	Bright	63.000	110	37Del Cas	2.6780	8900.0	126	43613	No
92	GOM_TRA_1PNPDE20100703_223301_000000522090_00473_43613_4094.N1	03-JUL-2010 22:33:01	Bright	52.000	73	57Gam1And	2.2600	13100.	104	43613	No
93	GOM_TRA_1PNPDE20100703_223537_000000742090_00473_43613_4095.N1	03-JUL-2010 22:35:37	Twilight	74.000	53	43Bet And	2.0480	3300.0	148	43613	No
94	GOM_TRA_1PNPDE20100703_224010_000000602090_00473_43613_4096.N1	03-JUL-2010 22:40:10	Dark	59.500	50	13Alp Ari	2.0070	4250.0	119	43613	No
95	GOM_TRA_1PNPDE20100703_230055_000000762090_00473_43613_4105.N1	03-JUL-2010 23:00:55	Dark	76.000	52	16Bet Cet	2.0370	4500.0	152	43613	No
96	GOM_TRA_1PNPDE20100703_230451_000000492090_00474_43614_4106.N1	03-JUL-2010 23:04:51	Dark	49.000	84	Alp Phe	2.3970	4500.0	98	43614	No
97	GOM_TRA_1PNPDE20100703_231117_000000542090_00474_43614_4107.N1	03-JUL-2010 23:11:17	Straylight	53.500	63	Bet Gru	2.1500	2800.0	107	43614	No
98	GOM_TRA_1PNPDE20100703_231320_000000822090_00474_43614_4108.N1	03-JUL-2010 23:13:20	Straylight	81.500	18	24Alp PsA	1.1660	9700.0	163	43614	No
99	GOM_TRA_1PNPDE20100703_231610_000000552090_00474_43614_4109.N1	03-JUL-2010 23:16:10	Straylight	54.500	172	Gam Gru	3.0030	13100.	109	43614	No
100	GOM_TRA_1PNPDE20100703_232721_000000442090_00474_43614_4110.N1	03-JUL-2010 23:27:21	Bright	43.500	155	41Pi Sgr	2.9000	6600.0	87	43614	No
101	GOM_TRA_1PNPDE20100703_233925_000000482090_00474_43614_4111.N1	03-JUL-2010 23:39:25	Bright	48.000	168	17Zet Aql	2.9860	11000.	96	43614	No
102	GOM_TRA_1PNPDE20100703_234627_000000422090_00474_43614_4112.N1	03-JUL-2010 23:46:27	Bright	42.000	5	3Alp Lyr	0.033000	11000.	84	43614	No
103	GOM_TRA_1PNPDE20100703_235043_000000472090_00474_43614_4113.N1	03-JUL-2010 23:50:43	Bright	47.000	144	18Del Cyg	2.8600	11000.	94	43614	No
104	GOM_TRA_1PNPDE20100703_235409_000000602090_00474_43614_4114.N1	03-JUL-2010 23:54:09	Bright	59.500	19	50Alp Cyg	1.2460	10500.	119	43614	No
105	GOM_TRA_1PNPDE20100703_235750_000000422090_00474_43614_4115.N1	03-JUL-2010 23:57:50	Bright	42.000	89	5Alp Cep	2.4510	8000.0	84	43614	No

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



4. Overview of dark signal processing per product

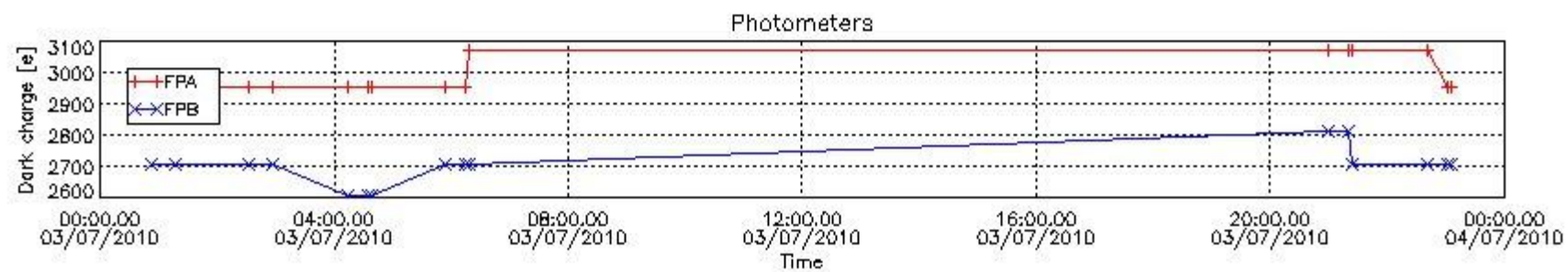
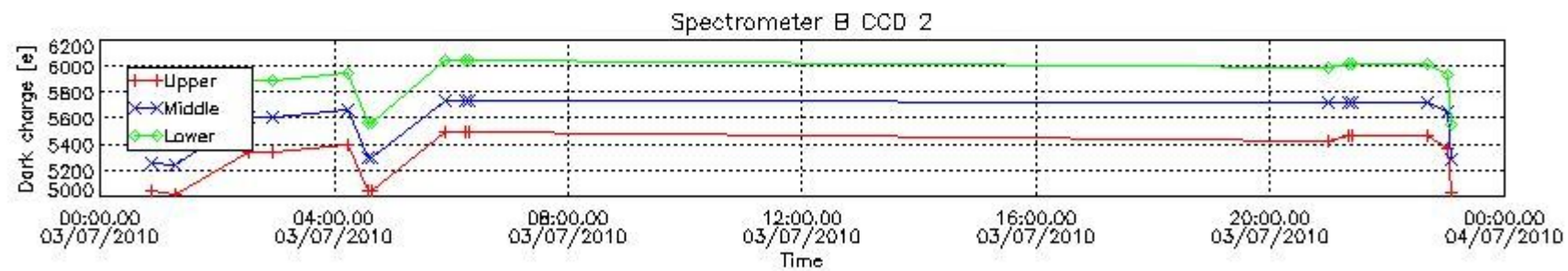
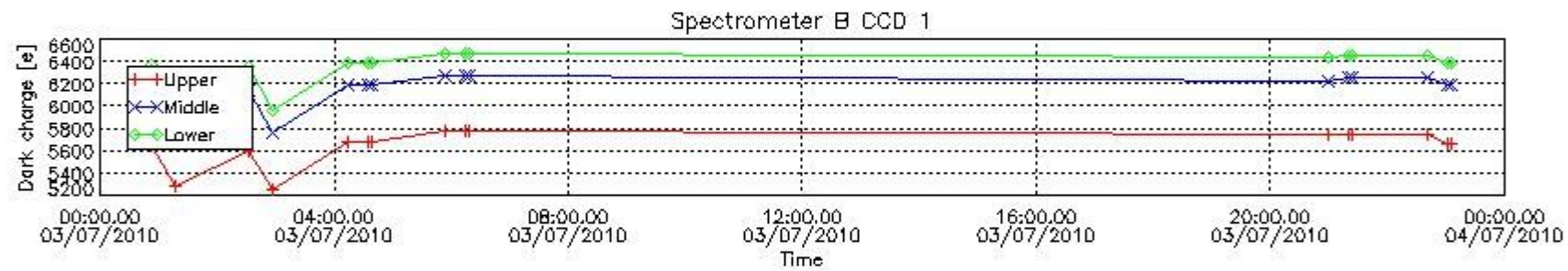
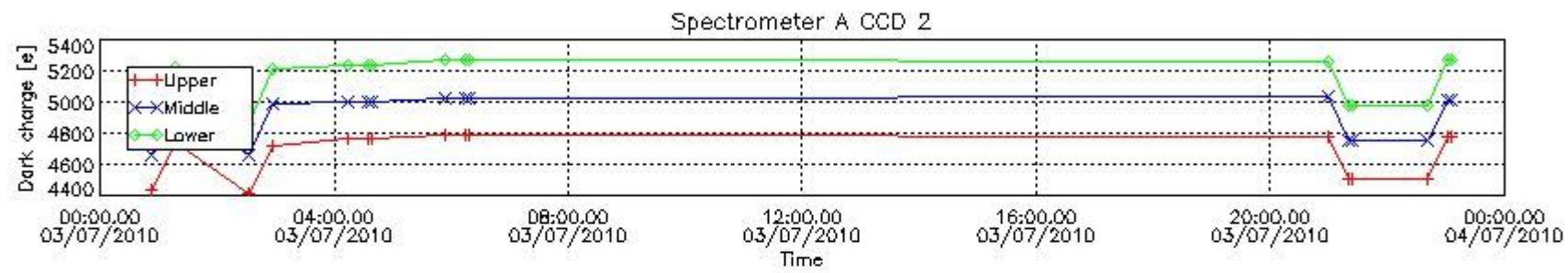
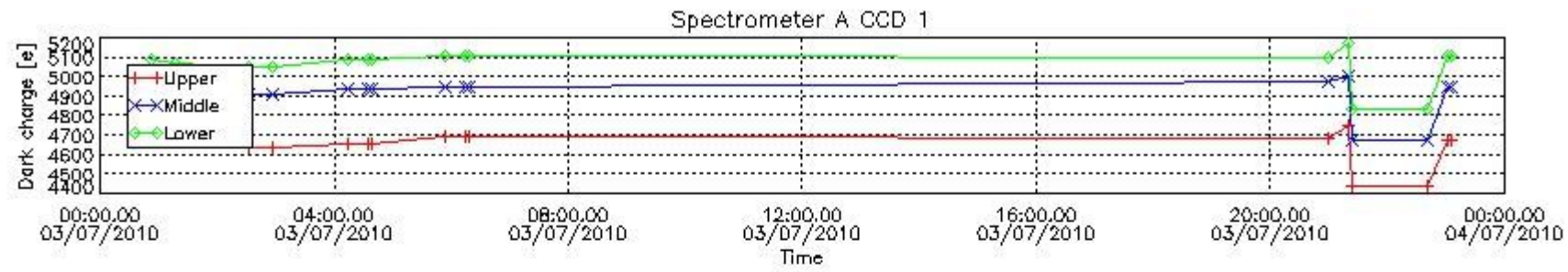
The Dark Charge (DC) is a temperature-dependant signal added to the useful measurements and it is therefore subtracted from them during the processing. There are two phenomena that produce a continuous increase of the DC: the "hot pixels" (a pixel is "hot" when its DC exceeds by a significant amount 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_1PNPDE20100703_200609_000000452090_00472_43612_4059.N1	DC map used
GOM_TRA_1PNPDE20100703_201815_000000472090_00472_43612_4060.N1	DC map used
GOM_TRA_1PNPDE20100703_202516_000000412090_00472_43612_4061.N1	DC map used
GOM_TRA_1PNPDE20100703_202933_000000482090_00472_43612_4062.N1	DC map used
GOM_TRA_1PNPDE20100703_203300_000000602090_00472_43612_4063.N1	DC map used
GOM_TRA_1PNPDE20100703_203640_000000462090_00472_43612_4064.N1	DC map used
GOM_TRA_1PNPDE20100703_204406_000000492090_00472_43612_4065.N1	DC map used
GOM_TRA_1PNPDE20100703_204547_000000412090_00472_43612_4066.N1	DC map used
GOM_TRA_1PNPDE20100703_205225_000000542090_00472_43612_4067.N1	DC map used
GOM_TRA_1PNPDE20100703_205501_000000742090_00472_43612_4068.N1	DC map used
GOM_TRA_1PNPDE20100703_205934_000000622090_00472_43612_4069.N1	DC map used

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



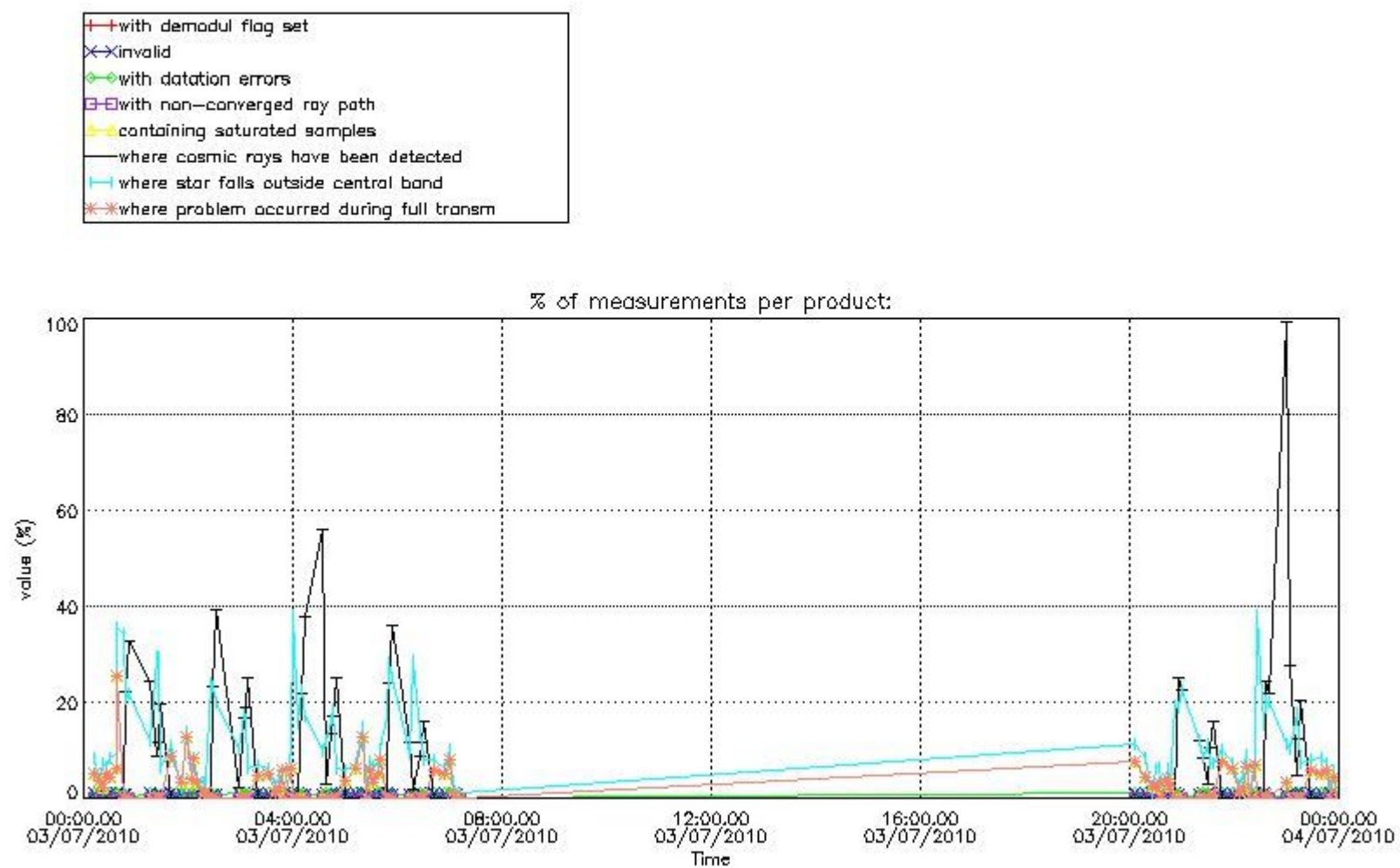
5. Demodulation flag and quality information monitoring

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.

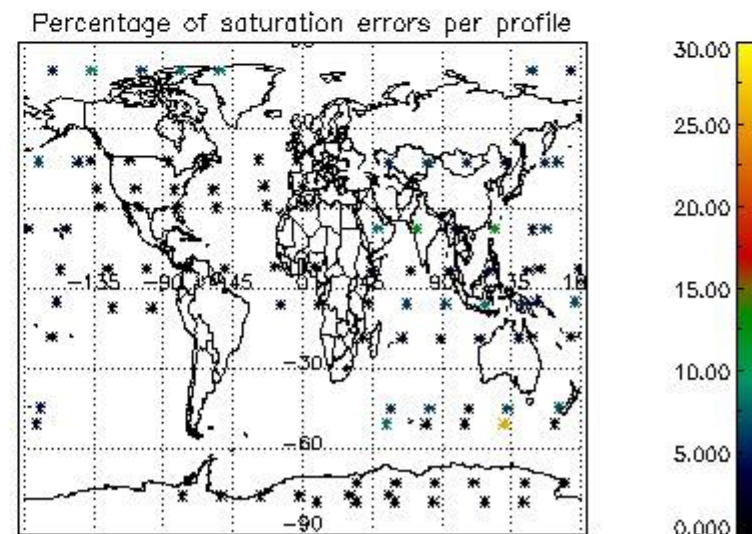
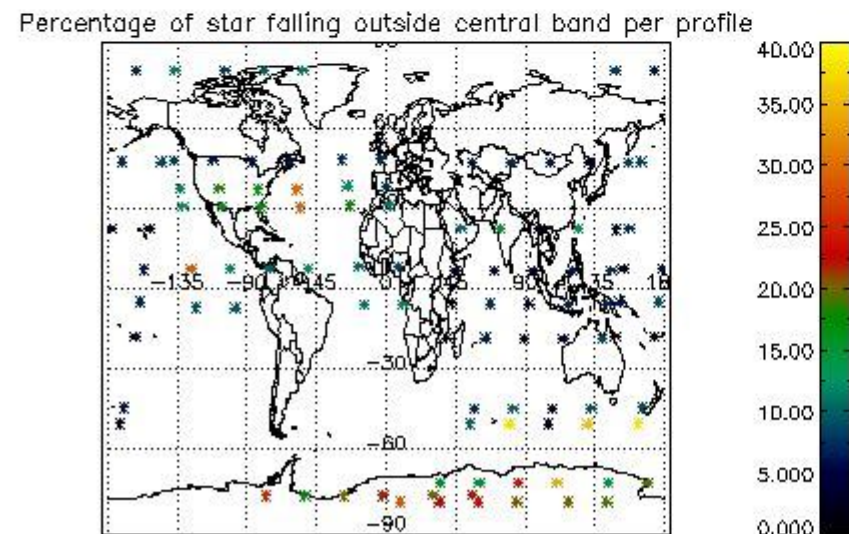
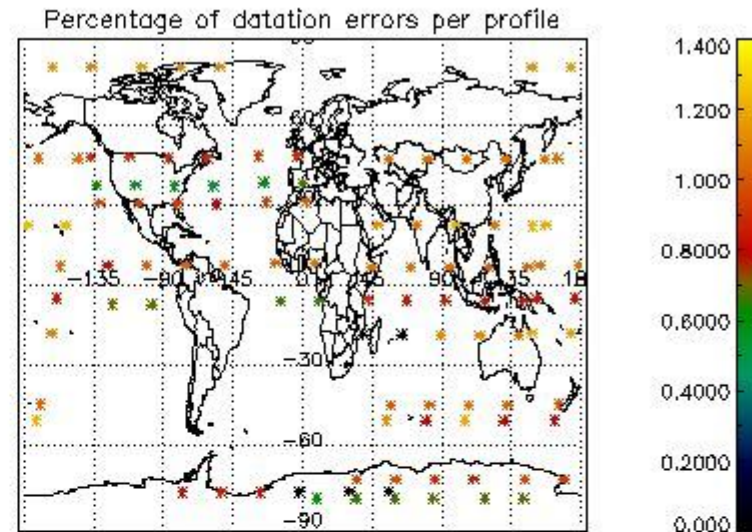
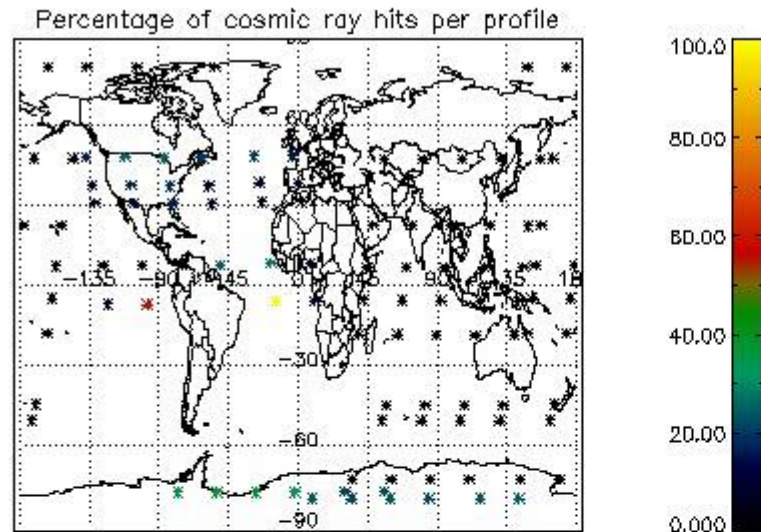
5.1 Percentage of products during reporting period with:

At least one measurement with demodulation flag set:	38.0952 %
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)



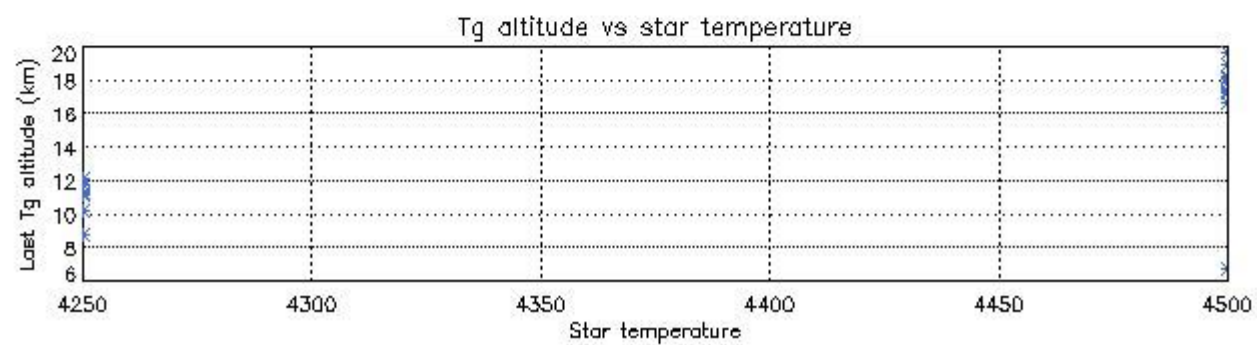
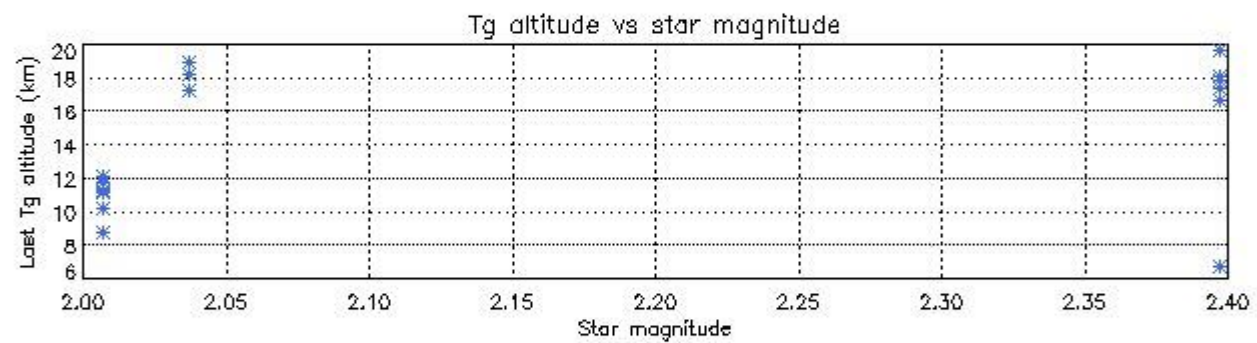
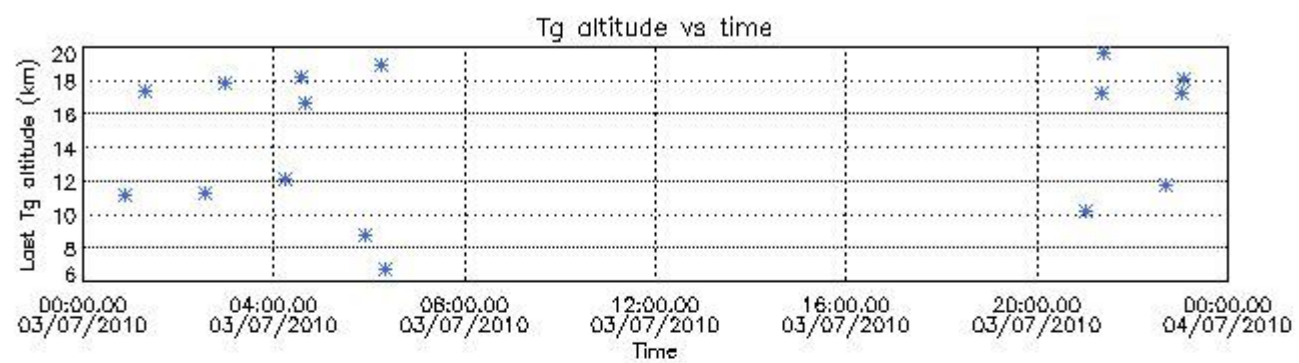
6. Statistics and plot of tangent altitude of the last measurement (DARK & BRIGHT products without errors)

6.1 Statistics on tangent altitude lost:

Statistics	DARK	BRIGHT	TWILIGHT
Mean:	14.563	19.527	NaN
St. deviation:	4.1601	5.2788	NaN
Maximum:	19.673	29.121	NaN
Minimum:	6.7484	3.5998	NaN
Number of data:	16.000	65.000	NaN

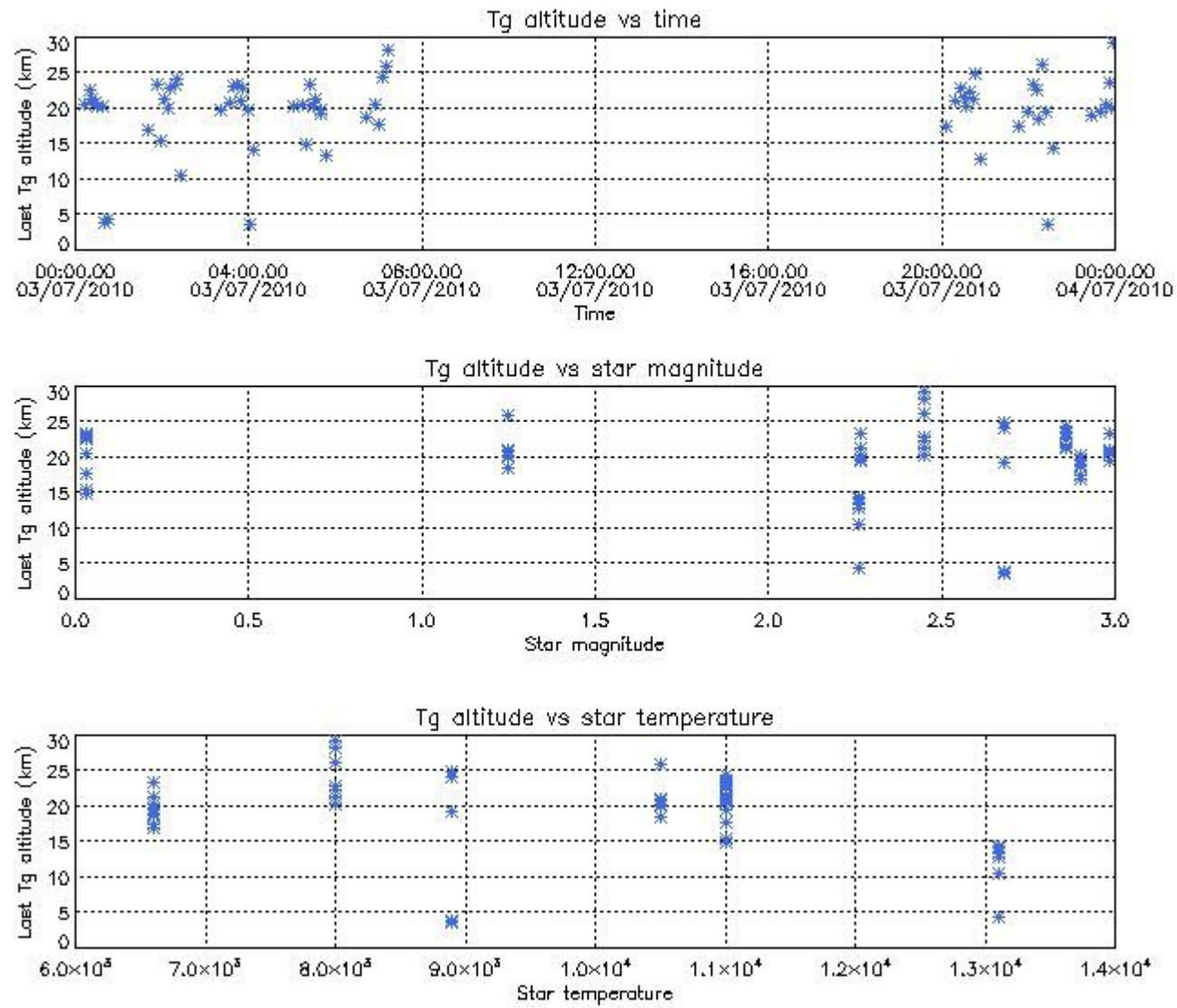
6.2 Plot for DARK limb products

Tangent altitude at which the star is lost



6.3 Plot for BRIGHT limb products

Tangent altitude at which the star is lost

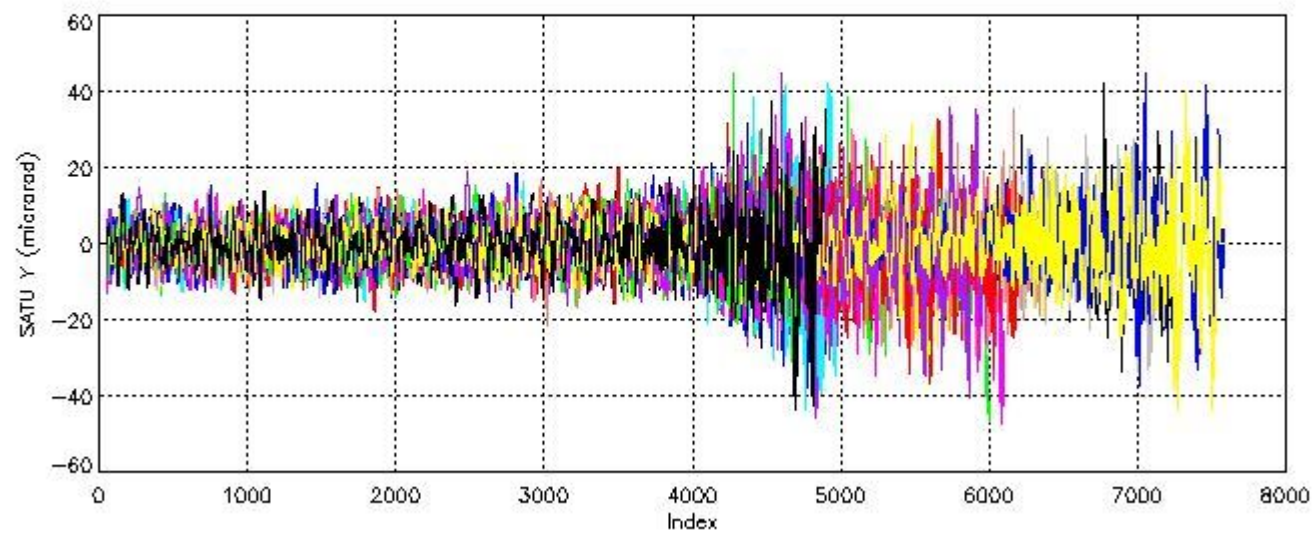
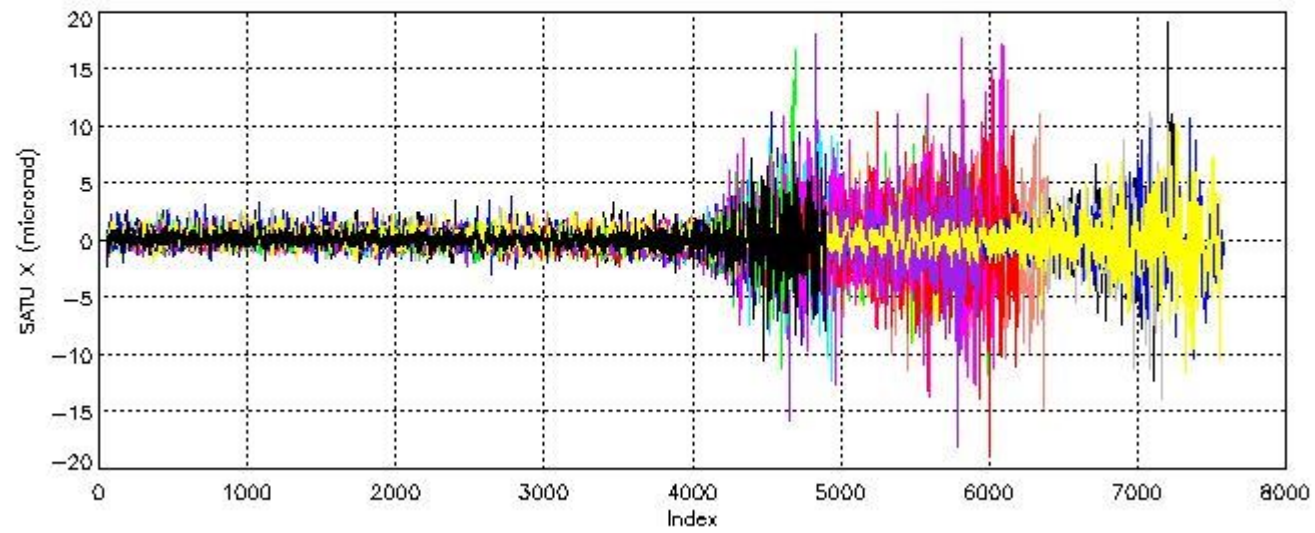


7. Star Acquisition and Tracking Unit (SATU)

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:	0.24630	-0.35543	0.23555	-0.43704
St. deviation:	0.52277	4.3405	0.95658	4.0836
Maximum:	3.3000	16.000	6.7000	17.500
Minimum:	-2.2000	-14.500	-6.2000	-17.000

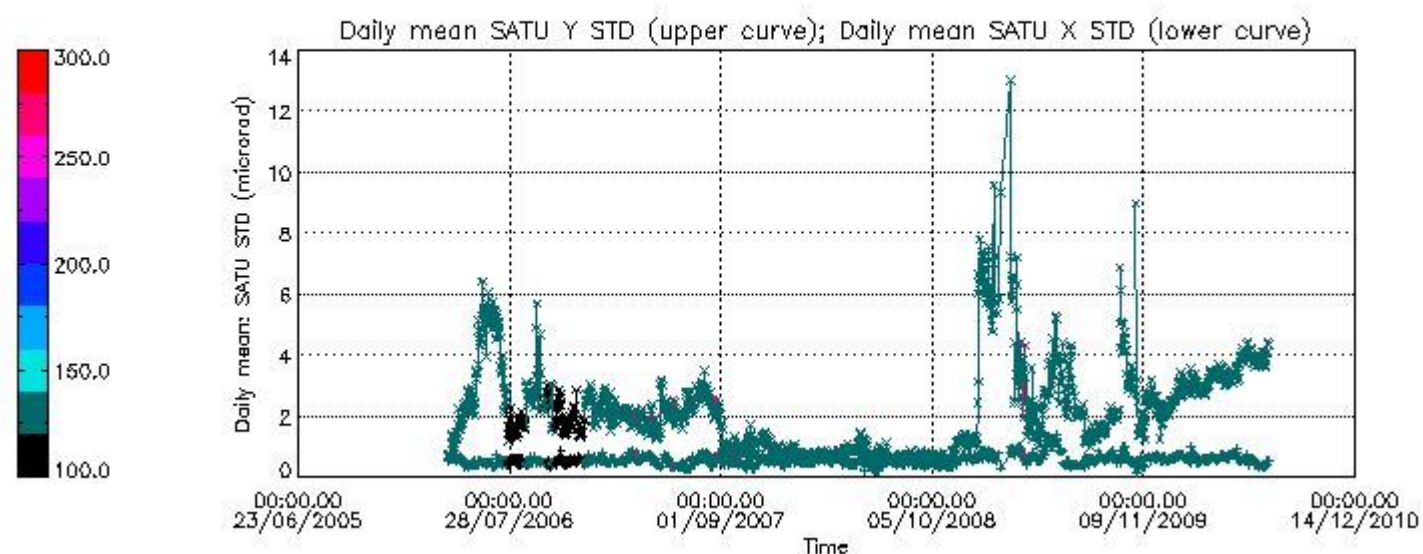
Number of data:	20500.	20500.	75650.	75650.
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7.2.2 Trend of daily SATU NEA St. deviation since 1st April 2006 (dark limb)

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.

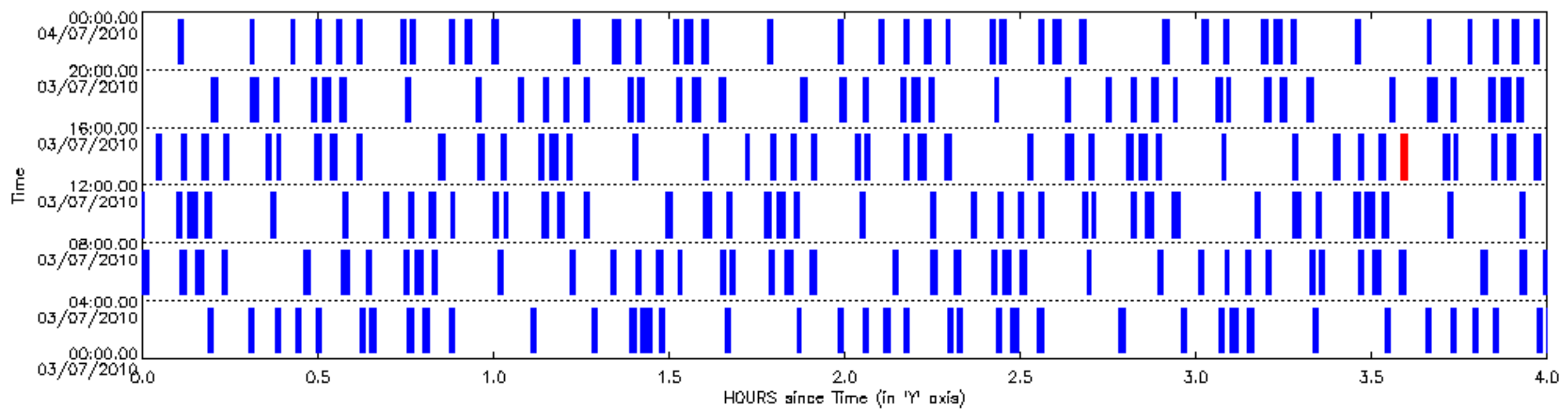
Upper curve: STD of SATU Y axis
Lower curve: STD of SATU X axis

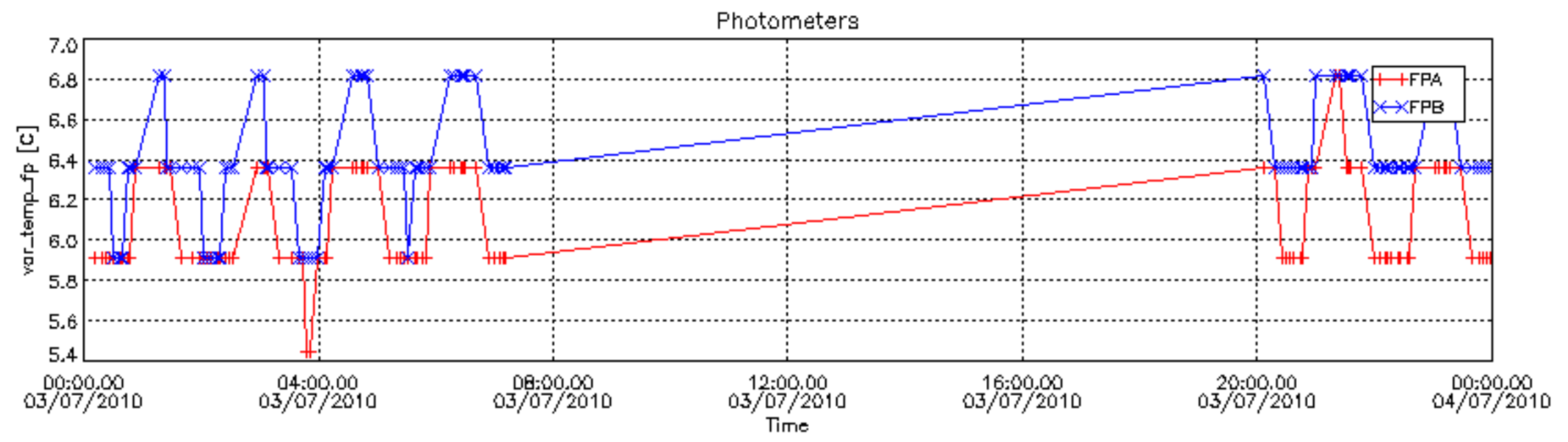
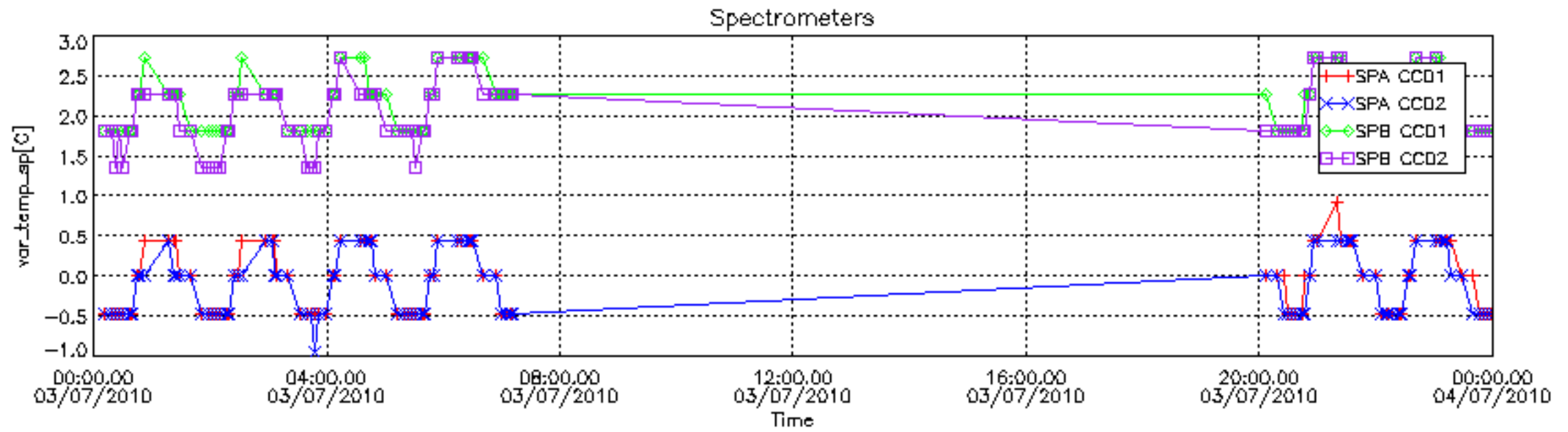


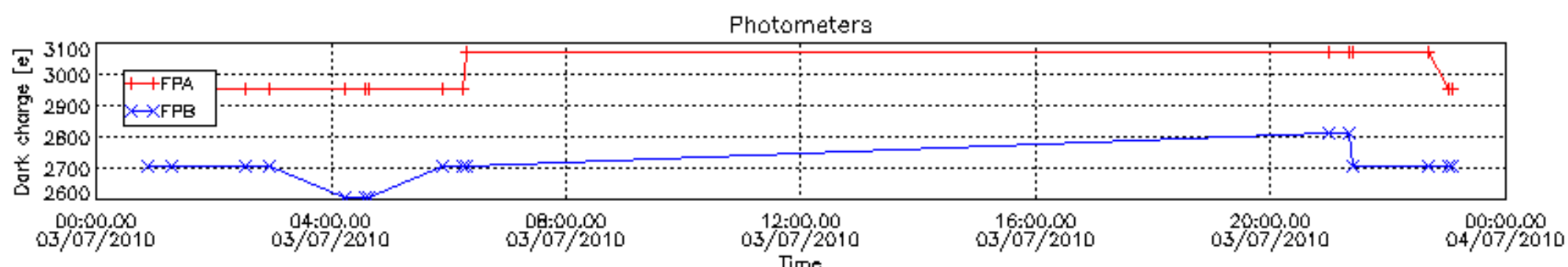
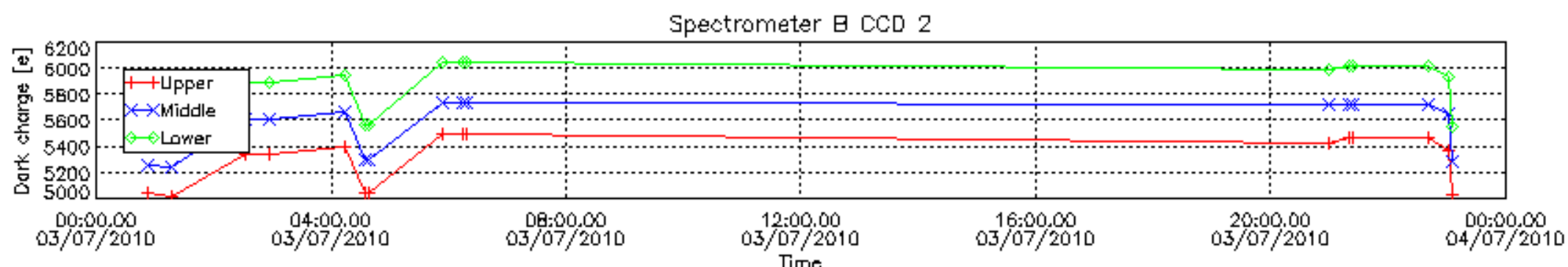
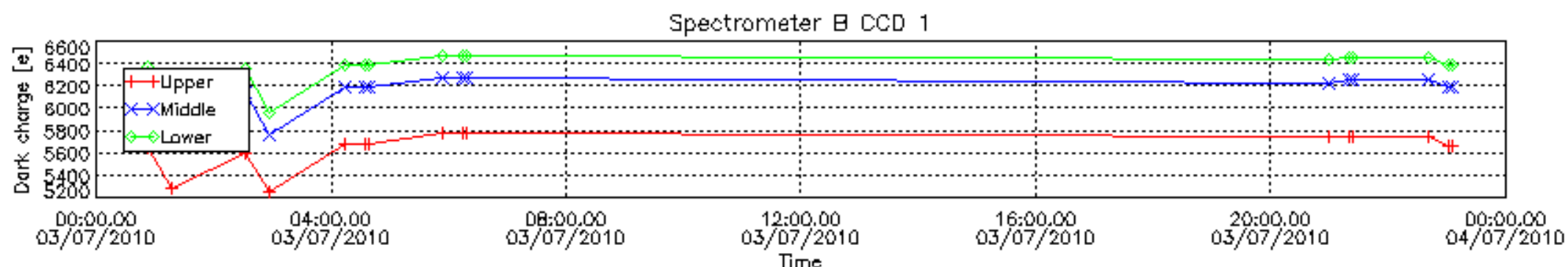
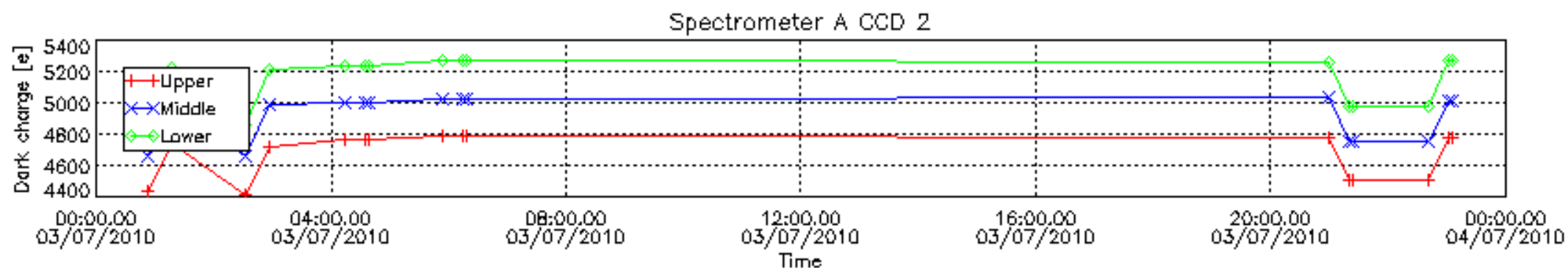
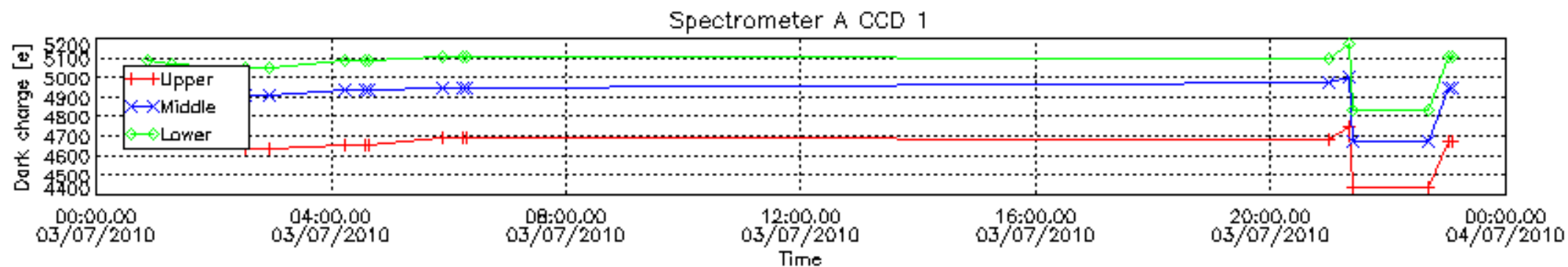
8. Auxiliary Data Files used for the production reported in section 2.4

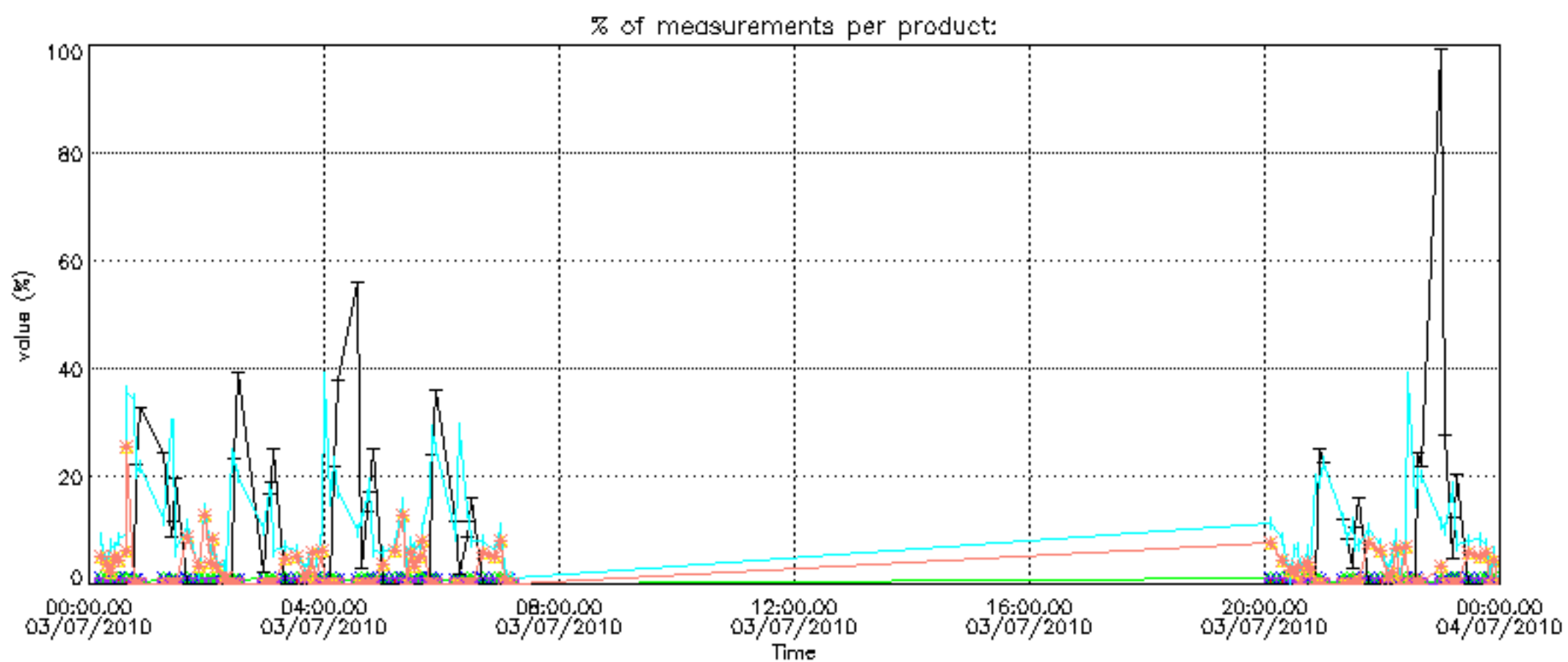
The number reported in the third column indicates since which file (see list in section 2.4) the corresponding auxiliary file has been used. The fourth column is the date of those product files.

Type	Auxiliary Filename	Used since product	Used since product date
INST_PHYS_CHARACTERISTICS	GOM_INS_AXVIEC20091111_143220_20030716_120000_20500101_000000	1	03-JUL-2010 00:11:09
CALIBRATION_DATABASE	GOM_CAL_AXVIEC20100629_101415_20100627_000000_20500101_000000	1	03-JUL-2010 00:11:09
LEVEL-1B_PROC_CONFIG	GOM_PR1_AXVIEC20091111_145255_20020301_000000_20500101_000000	1	03-JUL-2010 00:11:09
STAR_CATALOGUE	GOM_CAT_AXVIEC20020121_161009_20020101_000000_20200101_000000	1	03-JUL-2010 00:11:09
STELLAR_SPECTRA_DATABANK	GOM_STS_AXVIEC20091111_151504_20020101_160000_20500101_000000	1	03-JUL-2010 00:11:09
ECMWF_FILE	AUX_ECF_AXNECM20100702_054112_20100702_210000_20100703_090000	1	03-JUL-2010 00:11:09
ECMWF_FILE	AUX_ECF_AXNECM20100702_172114_20100703_030000_20100703_150000	33	03-JUL-2010 03:43:42
ECMWF_FILE	AUX_ECA_AXNECM20100703_052115_20100702_210000_20100703_090000	52	03-JUL-2010 05:38:48
ECMWF_FILE	AUX_ECF_AXNECM20100703_054113_20100703_150000_20100704_030000	68	03-JUL-2010 20:06:09
ECMWF_FILE	AUX_ECF_AXNECM20100703_054113_20100703_210000_20100704_090000	79	03-JUL-2010 21:20:18
OPTIONAL_ECMWF_FILE	MISSING	1	03-JUL-2010 00:11:09
ORBIT_DATA_FILE	AUX_FPO_AXVPDS20100702_092114_20100701_190400_20100711_203013	1	03-JUL-2010 00:11:09
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20100703_010209_000092452090_00460_43600_0672.N1	11	03-JUL-2010 01:16:50
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20100703_034133_000063762090_00462_43602_0673.N1	33	03-JUL-2010 03:43:42
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20100703_053308_000057382090_00463_43603_0674.N1	52	03-JUL-2010 05:38:48
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20100703_195352_000038252090_00472_43612_0675.N1	68	03-JUL-2010 20:06:09
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20100703_210256_000060572090_00472_43612_0676.N1	79	03-JUL-2010 21:20:18
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20100703_224912_000057382090_00473_43613_0677.N1	95	03-JUL-2010 23:00:55

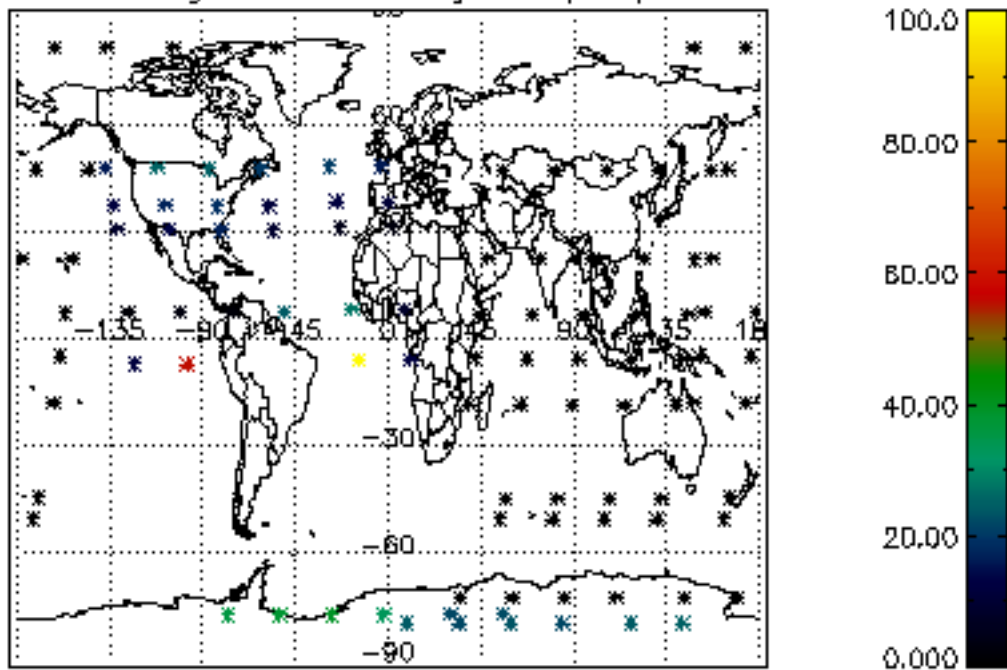




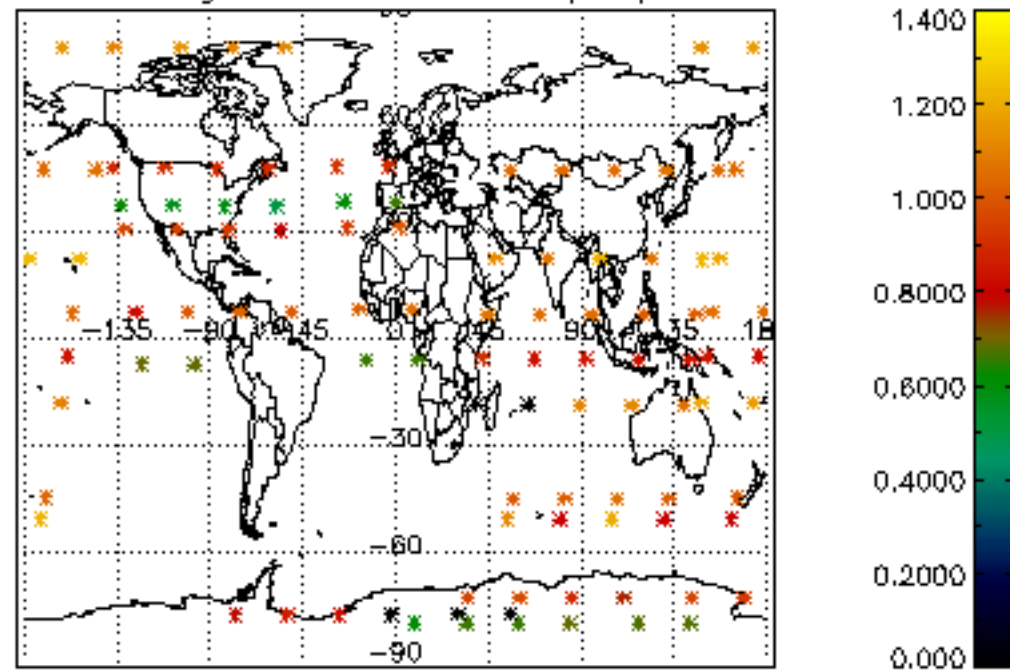




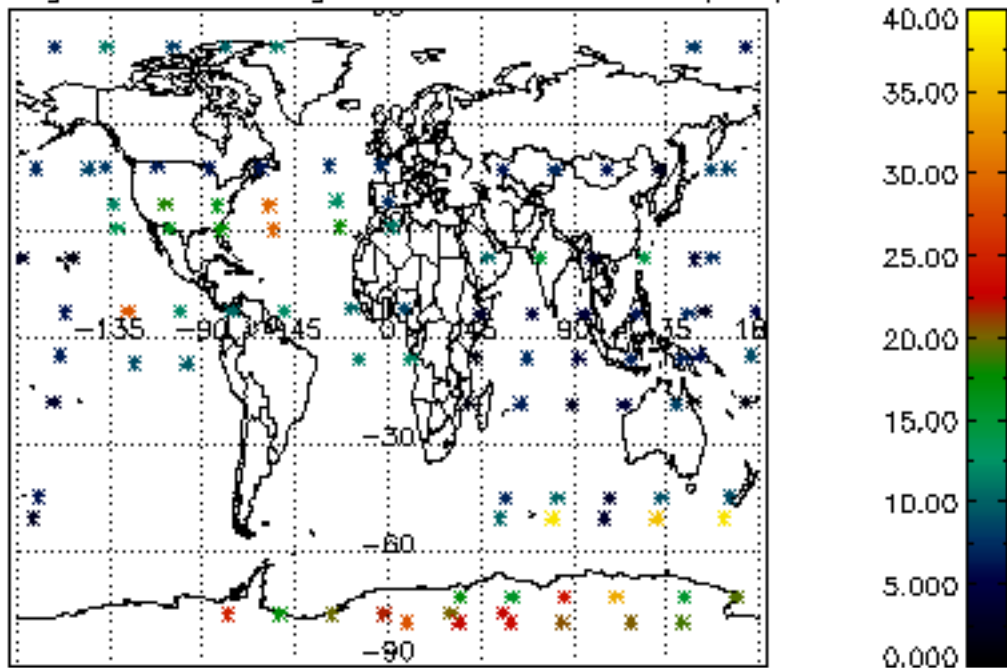
Percentage of cosmic ray hits per profile



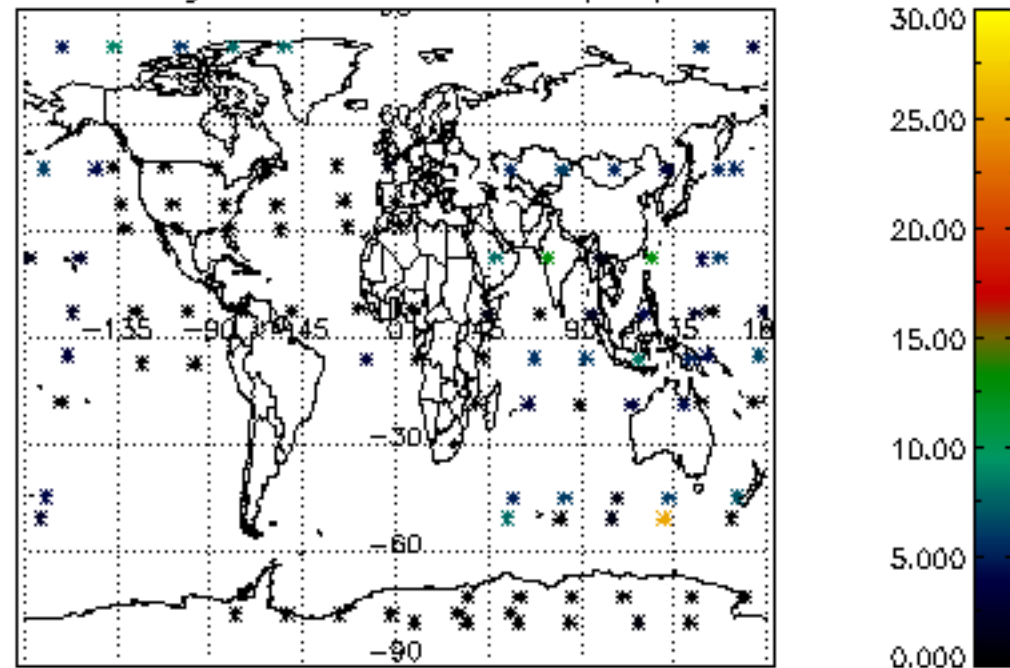
Percentage of datation errors per profile



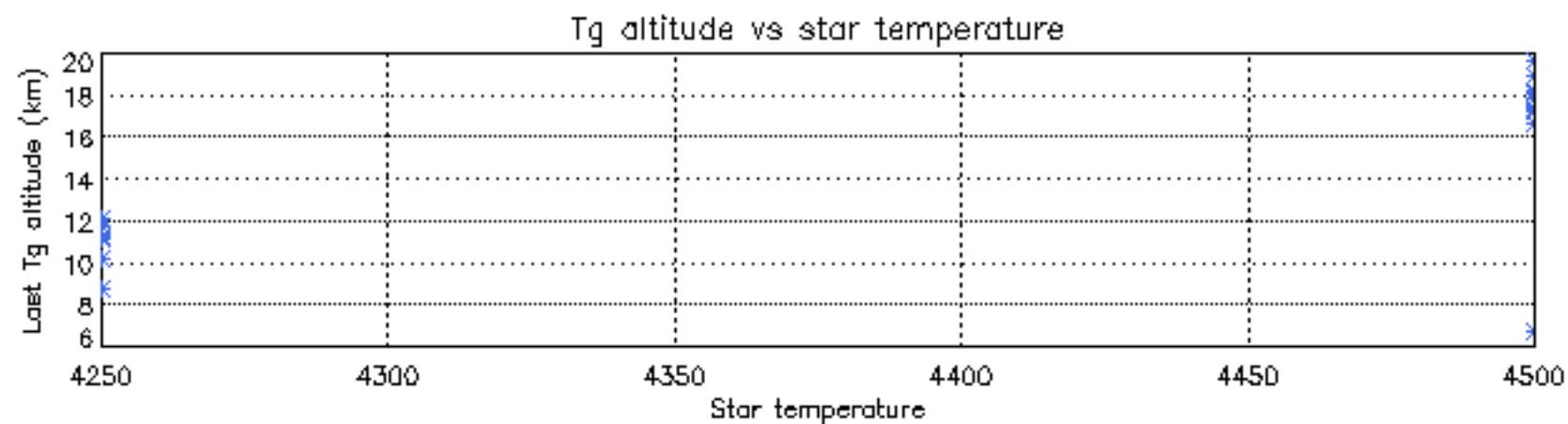
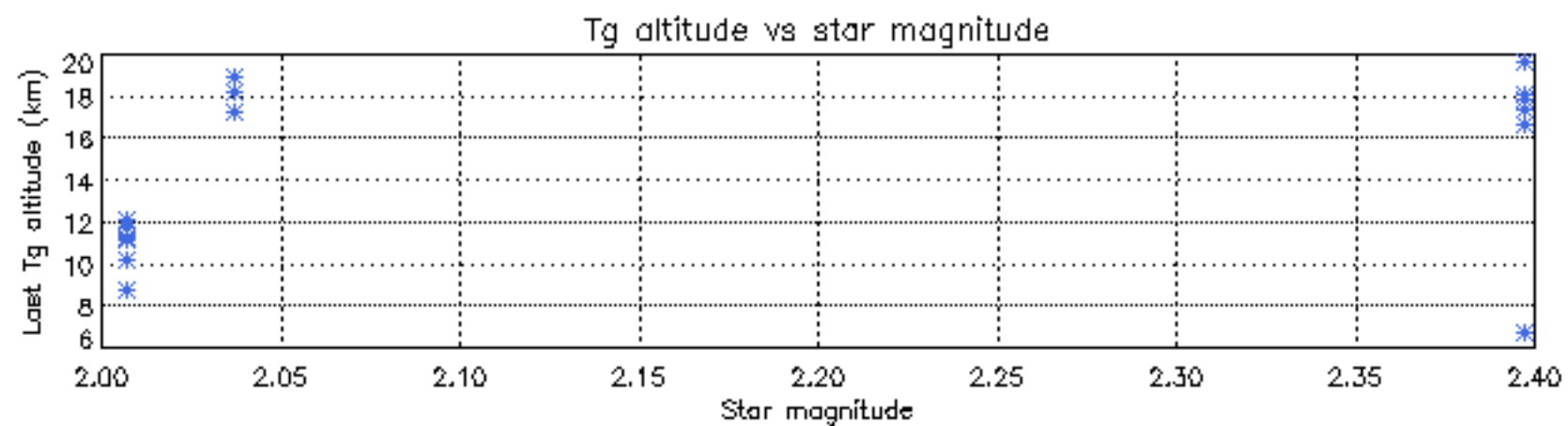
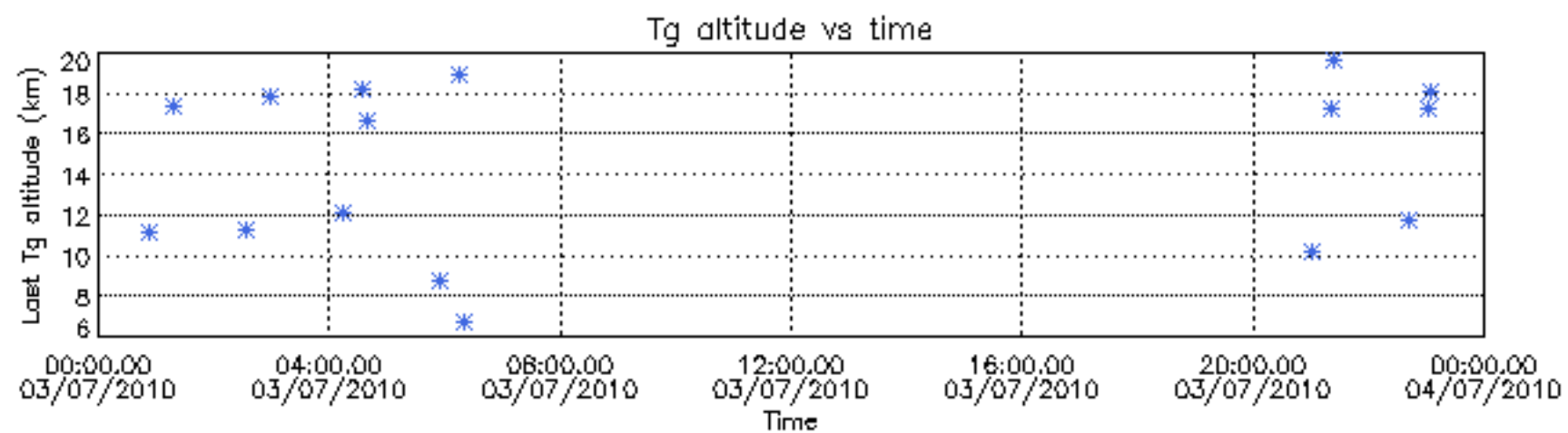
Percentage of star falling outside central band per profile



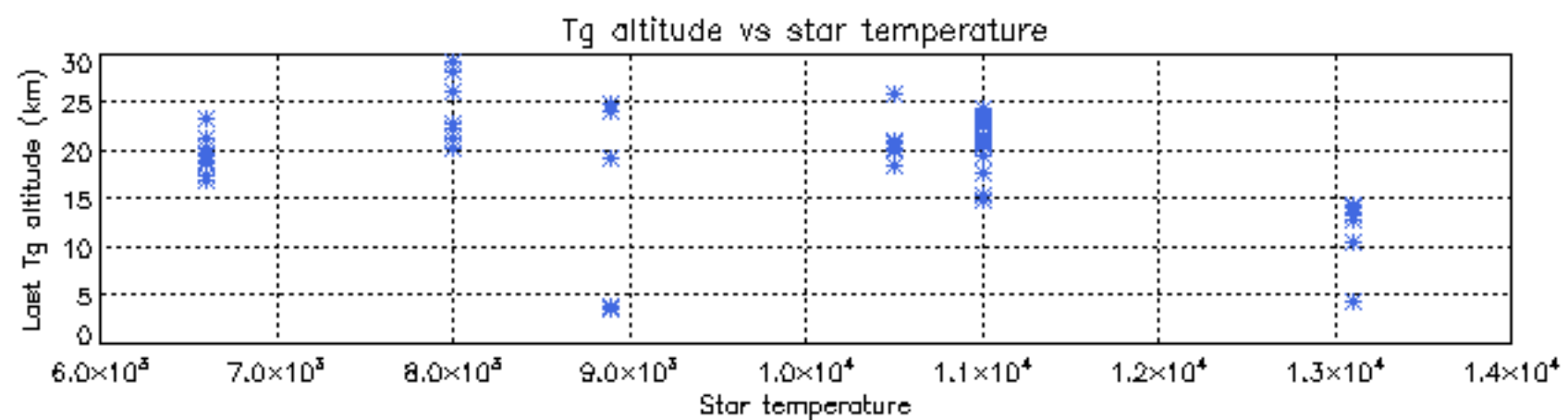
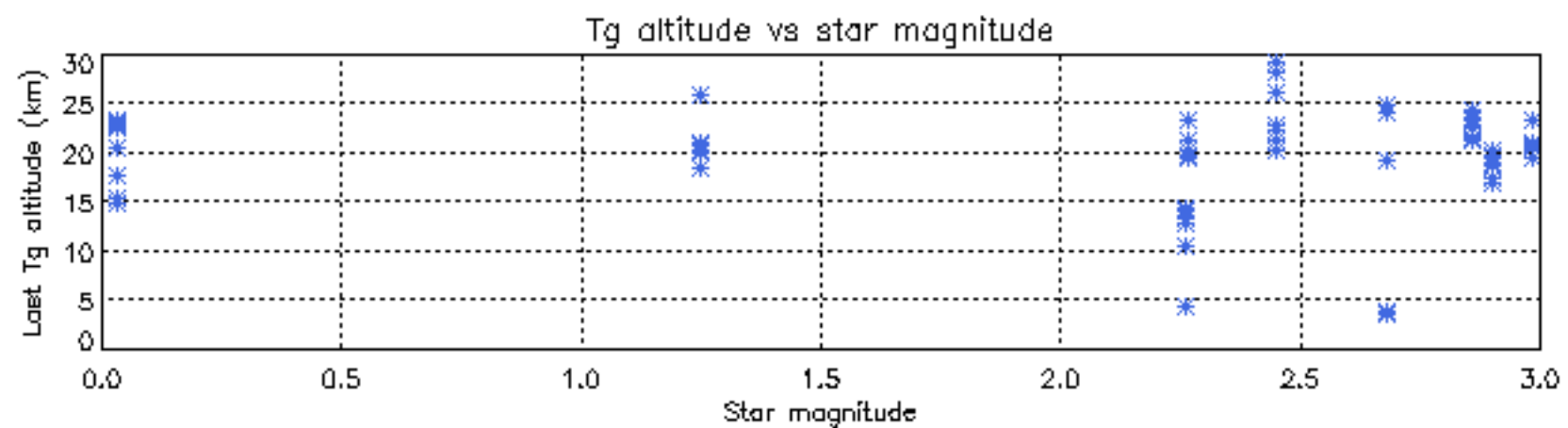
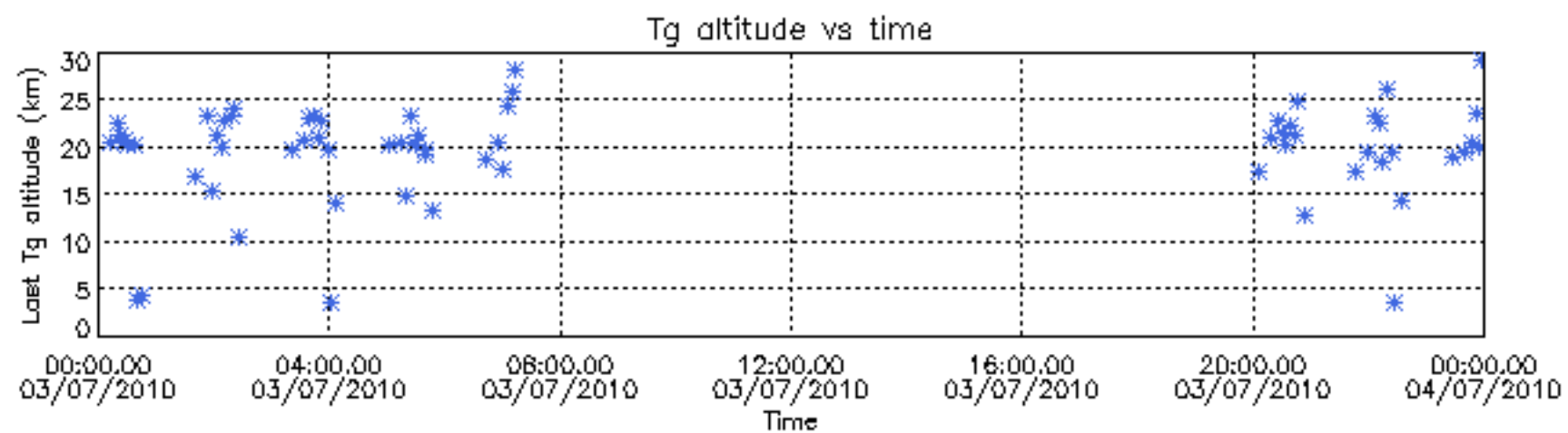
Percentage of saturation errors per profile

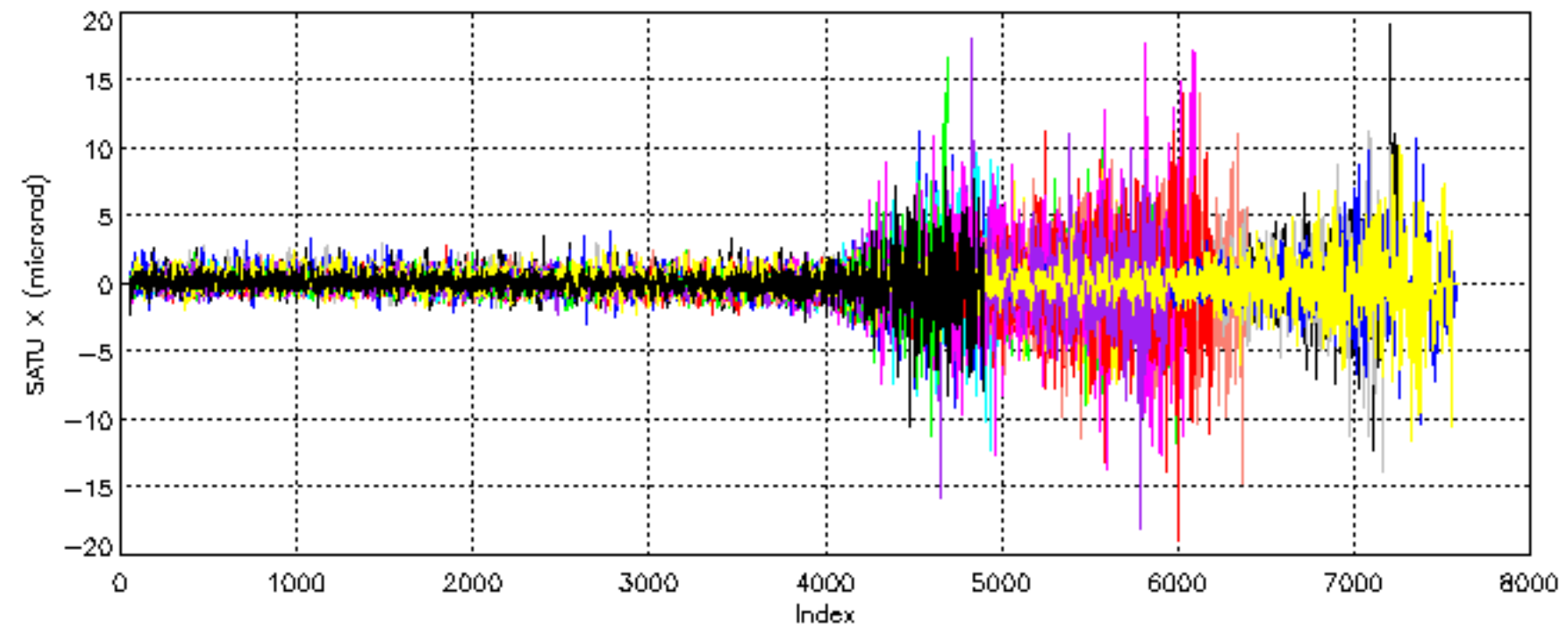


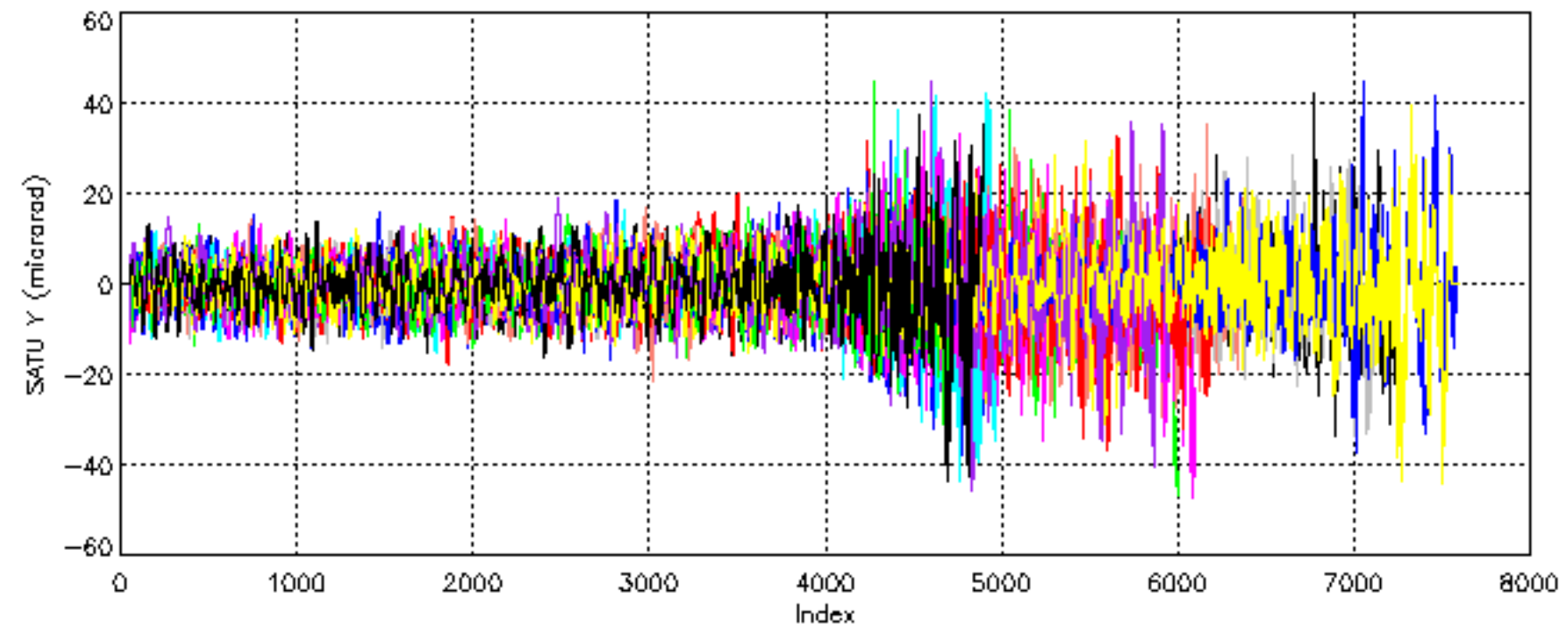
Tangent altitude at which the star is lost

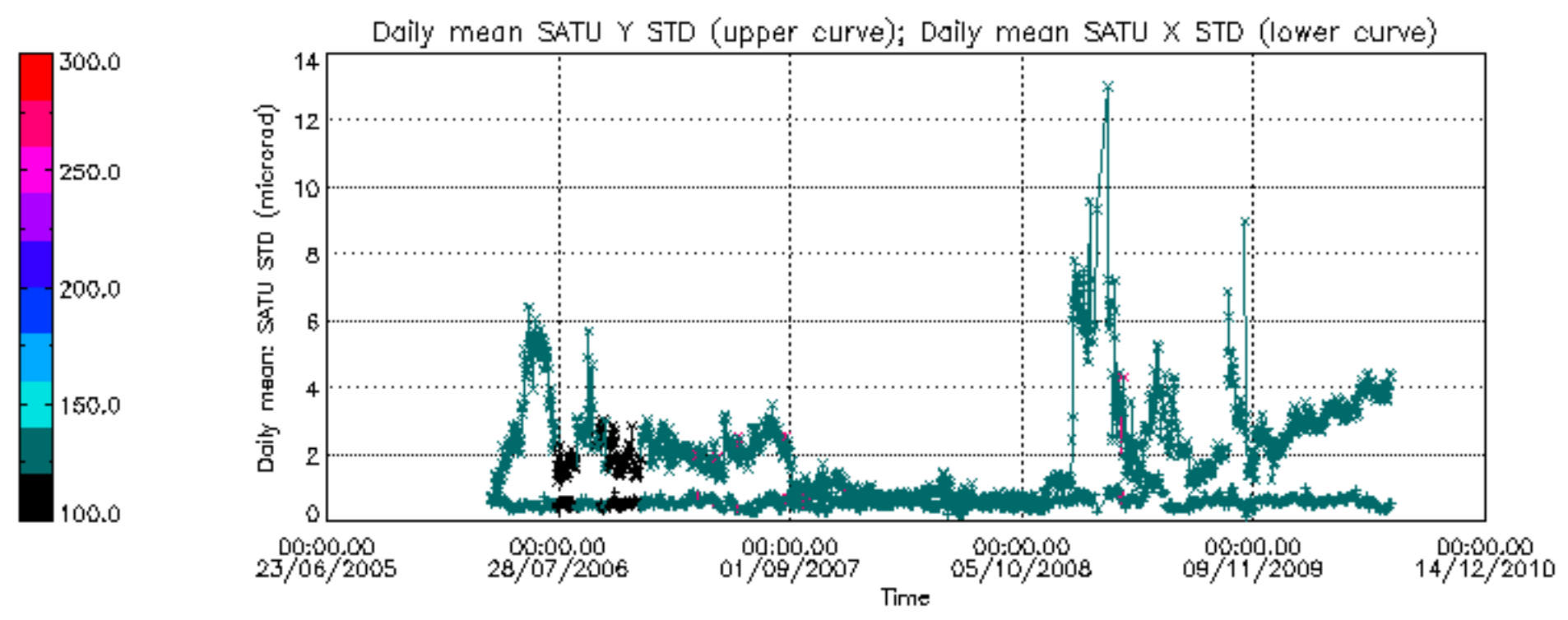


Tangent altitude at which the star is lost









/nas3/ENVISAT/GOMOS/GOM_NL__0P/GOM_NL__0PNPDE20100701_002828_000055612090_00431_43571_0355.N1

1; -536.4; 01-JUL-2010 00:28:28; Dark ; 59.0; 0; ; 0.00; 0;occ; 118; 0;43571
 2; 94.6; 01-JUL-2010 00:38:59; Dark ; 52.5; 84; Alp Phe ; 2.40; 4500;occ; 105; 0;43572
 3; 483.7; 01-JUL-2010 00:45:28; Dark ; 56.5; 63; Bet Gru ; 2.15; 2800;occ; 113; 0;43572
 4; 600.1; 01-JUL-2010 00:47:24; Dark ; 47.0; 31; Alp Gru ; 1.73; 15200;occ; 94; 0;43572
 5; 743.9; 01-JUL-2010 00:49:48; Dark ; 40.5; 45; Alp Pav ; 1.94; 26000;occ; 81; 0;43572
 6; 1314.0; 01-JUL-2010 00:59:18; Dark ; 49.0; 103; 38Zet Sgr ; 2.60; 9700;occ; 98; 0;43572
 7; 1480.2; 01-JUL-2010 01:02:04; Bright; 46.5; 155; 41Pi Sgr ; 2.90; 6600;occ; 93; 0;43572
 8; 1981.6; 01-JUL-2010 01:10:26; Bright; 37.5; 126; 60Bet Oph ; 2.77; 4250;occ; 75; 0;43572
 9; 2121.8; 01-JUL-2010 01:12:46; Bright; 38.0; 59; 55Alp Oph ; 2.08; 8900;occ; 76; 0;43572
 10; 2233.6; 01-JUL-2010 01:14:38; Bright; 47.5; 168; 17Zet Aql ; 2.99; 11000;occ; 95; 0;43572
 11; 2652.9; 01-JUL-2010 01:21:37; Bright; 41.0; 5; 3Alp Lyr ; 0.03; 11000;occ; 82; 0;43572
 12; 2809.4; 01-JUL-2010 01:24:14; Bright; 36.0; 130; 23Bet Dra ; 2.80; 5800;occ; 72; 0;43572
 13; 2925.2; 01-JUL-2010 01:26:09; Bright; 40.0; 144; 18Del Cyg ; 2.86; 11000;occ; 80; 0;43572
 14; 3345.6; 01-JUL-2010 01:33:10; Bright; 45.5; 89; 5Alp Cep ; 2.45; 8000;occ; 91; 0;43572
 15; 3786.1; 01-JUL-2010 01:40:30; Bright; 48.0; 74; 11Bet Cas ; 2.27; 6600;occ; 96; 0;43572
 16; 3888.2; 01-JUL-2010 01:42:12; Bright; 50.0; 68; 18Alp Cas ; 2.22; 4500;occ; 100; 0;43572
 17; 4062.4; 01-JUL-2010 01:45:07; Bright; 56.0; 160; 23Gam Per ; 2.93; 4700;occ; 112; 0;43572
 18; 4266.8; 01-JUL-2010 01:48:31; Bright; 46.0; 73; 57Gam1And ; 2.26; 13100;occ; 92; 0;43572
 19; 4424.1; 01-JUL-2010 01:51:08; Dark ; 49.5; 173; 4Bet Tri ; 3.00; 8900;occ; 99; 0;43572
 20; 4678.5; 01-JUL-2010 01:55:23; Dark ; 60.5; 50; 13Alp Ari ; 2.01; 4250;occ; 121; 0;43572
 21; 4976.2; 01-JUL-2010 02:00:20; Dark ; 48.5; 94; 92Alp Cet ; 2.53; 3100;occ; 97; 0;43572

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 3; 484.4; 01-JUL-2010 02:26:04; Dark ; 53.5; 63; Bet Gru ; 2.15; 2800;occ; 107; 0;43573
 4; 601.0; 01-JUL-2010 02:28:01; Dark ; 55.0; 31; Alp Gru ; 1.73; 15200;occ; 110; 0;43573
 5; 744.6; 01-JUL-2010 02:30:25; Dark ; 46.5; 45; Alp Pav ; 1.94; 26000;occ; 93; 0;43573
 6; 1314.3; 01-JUL-2010 02:39:54; Dark ; 46.5; 103; 38Zet Sgr ; 2.60; 9700;occ; 93; 0;43573
 7; 1480.5; 01-JUL-2010 02:42:41; Bright; 46.5; 155; 41Pi Sgr ; 2.90; 6600;occ; 93; 0;43573
 8; 1982.0; 01-JUL-2010 02:51:02; Bright; 37.0; 126; 60Bet Oph ; 2.77; 4250;occ; 74; 0;43573
 9; 2121.7; 01-JUL-2010 02:53:22; Bright; 38.0; 59; 55Alp Oph ; 2.08; 8900;occ; 76; 0;43573
 10; 2233.3; 01-JUL-2010 02:55:13; Bright; 49.5; 168; 17Zet Aql ; 2.99; 11000;occ; 99; 0;43573
 11; 2652.5; 01-JUL-2010 03:02:13; Bright; 41.5; 5; 3Alp Lyr ; 0.03; 11000;occ; 83; 0;43573
 12; 2809.3; 01-JUL-2010 03:04:49; Bright; 35.5; 130; 23Bet Dra ; 2.80; 5800;occ; 71; 0;43573
 13; 2924.7; 01-JUL-2010 03:06:45; Bright; 40.0; 144; 18Del Cyg ; 2.86; 11000;occ; 80; 0;43573
 14; 3344.9; 01-JUL-2010 03:13:45; Bright; 47.5; 89; 5Alp Cep ; 2.45; 8000;occ; 95; 0;43573

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 3;-1973.6; 01-JUL-2010 03:25:42; Bright; 51.0; 160; 23Gam Per ; 2.93; 4700;occ; 102; 0;43573
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 5;-1611.6; 01-JUL-2010 03:31:44; Dark ; 50.5; 173; 4Bet Tri ; 3.00; 8900;occ; 101; 0;43573
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 8; -534.6; 01-JUL-2010 03:49:41; Dark ; 59.0; 0; ; 0.00; 0;occ; 118; 0;43573
 9; 96.5; 01-JUL-2010 04:00:13; Dark ; 48.5; 84; Alp Phe ; 2.40; 4500;occ; 97; 0;43574
 10; 485.6; 01-JUL-2010 04:06:42; Dark ; 52.5; 63; Bet Gru ; 2.15; 2800;occ; 105; 0;43574
 11; 602.3; 01-JUL-2010 04:08:38; Dark ; 51.0; 31; Alp Gru ; 1.73; 15200;occ; 102; 0;43574
 12; 744.8; 01-JUL-2010 04:11:01; Dark ; 43.0; 45; Alp Pav ; 1.94; 26000;occ; 86; 0;43574
 13; 1314.7; 01-JUL-2010 04:20:31; Dark ; 45.0; 103; 38Zet Sgr ; 2.60; 9700;occ; 90; 0;43574
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 15; 1480.4; 01-JUL-2010 04:23:16; Bright; 46.5; 155; 41Pi Sgr ; 2.90; 6600;occ; 93; 0;43574
 16; 1981.9; 01-JUL-2010 04:31:38; Bright; 37.0; 126; 60Bet Oph ; 2.77; 4250;occ; 74; 0;43574
 17; 2121.8; 01-JUL-2010 04:33:58; Bright; 37.0; 59; 55Alp Oph ; 2.08; 8900;occ; 74; 0;43574
 18; 2232.8; 01-JUL-2010 04:35:49; Bright; 48.5; 168; 17Zet Aql ; 2.99; 11000;occ; 97; 0;43574
 19; 2652.2; 01-JUL-2010 04:42:48; Bright; 44.5; 5; 3Alp Lyr ; 0.03; 11000;occ; 89; 0;43574
 20; 2809.2; 01-JUL-2010 04:45:25; Bright; 36.5; 130; 23Bet Dra ; 2.80; 5800;occ; 73; 0;43574
 21; 2923.6; 01-JUL-2010 04:47:20; Bright; 45.0; 144; 18Del Cyg ; 2.86; 11000;occ; 90; 0;43574
 22; 3344.5; 01-JUL-2010 04:54:21; Bright; 43.0; 89; 5Alp Cep ; 2.45; 8000;occ; 86; 0;43574

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11; 602.8; 01-JUL-2010 05:49:15; Dark ; 48.0; 31; Alp Gru ; 1.73; 15200;occ; 96; 0;43575
12; 745.4; 01-JUL-2010 05:51:37; Dark ; 41.0; 45; Alp Pav ; 1.94; 26000;occ; 82; 0;43575
13; 1314.8; 01-JUL-2010 06:01:07; Dark ; 45.5; 103; 38Zet Sgr ; 2.60; 9700;occ; 91; 0;43575
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16; 1982.2; 01-JUL-2010 06:12:14; Bright; 37.0; 126; 60Bet Oph ; 2.77; 4250;occ; 74; 0;43575
17; 2121.9; 01-JUL-2010 06:14:34; Bright; 37.0; 59; 55Alp Oph ; 2.08; 8900;occ; 74; 0;43575
18; 2232.3; 01-JUL-2010 06:16:24; Bright; 48.0; 168; 17Zet Aql ; 2.99; 11000;occ; 96; 0;43575
19; 2651.8; 01-JUL-2010 06:23:24; Bright; 45.0; 5; 3Alp Lyr ; 0.03; 11000;occ; 90; 0;43575
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21; 2923.1; 01-JUL-2010 06:27:55; Bright; 45.0; 144; 18Del Cyg ; 2.86; 11000;occ; 90; 0;43575
22; 3343.8; 01-JUL-2010 06:34:56; Bright; 45.0; 89; 5Alp Cep ; 2.45; 8000;occ; 90; 0;43575
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3; -1973.8; 01-JUL-2010 06:46:54; Bright; 49.0; 160; 23Gam Per ; 2.93; 4700;occ; 98; 0;43575
4; -1769.3; 01-JUL-2010 06:50:19; Bright; 51.5; 73; 57Gam1And ; 2.26; 13100;occ; 103; 0;43575
5; -1611.1; 01-JUL-2010 06:52:57; Dark ; 47.0; 173; 4Bet Tri ; 3.00; 8900;occ; 94; 0;43575
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9; 98.8; 01-JUL-2010 07:21:27; Dark ; 52.0; 84; Alp Phe ; 2.40; 4500;occ; 104; 0;43576
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12; 745.9; 01-JUL-2010 07:32:14; Dark ; 49.0; 45; Alp Pav ; 1.94; 26000;occ; 98; 0;43576
13; 1315.1; 01-JUL-2010 07:41:43; Dark ; 48.5; 103; 38Zet Sgr ; 2.60; 9700;occ; 97; 0;43576
14; 1389.2; 01-JUL-2010 07:42:57; Bright; 44.0; 57; 34Sig Sgr ; 2.07; 26000;occ; 88; 0;43576
15; 1481.1; 01-JUL-2010 07:44:29; Bright; 45.5; 155; 41Pi Sgr ; 2.90; 6600;occ; 91; 0;43576
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4; 2651.5; 01-JUL-2010 08:03:59; Bright; 48.0; 5; 3Alp Lyr ; 0.03; 11000;occ; 96; 0;43576
5; 2808.8; 01-JUL-2010 08:06:37; Bright; 39.0; 130; 23Bet Dra ; 2.80; 5800;occ; 78; 0;43576
6; 2921.8; 01-JUL-2010 08:08:30; Bright; 49.0; 144; 18Del Cyg ; 2.86; 11000;occ; 98; 0;43576
7; 3343.1; 01-JUL-2010 08:15:31; Bright; 43.5; 89; 5Alp Cep ; 2.45; 8000;occ; 87; 0;43576
8; 3784.4; 01-JUL-2010 08:22:52; Bright; 50.0; 74; 11Bet Cas ; 2.27; 6600;occ; 100; 0;43576
9; 3876.7; 01-JUL-2010 08:24:25; Bright; 43.5; 110; 37Del Cas ; 2.68; 8900;occ; 87; 0;43576
10; 4062.2; 01-JUL-2010 08:27:30; Bright; 55.0; 160; 23Gam Per ; 2.93; 4700;occ; 110; 0;43576
11; 4165.5; 01-JUL-2010 08:29:14; Bright; 34.0; 175; 39Del Per ; 3.01; 19400;occ; 68; 0;43576
12; 4266.5; 01-JUL-2010 08:30:54; Bright; 49.5; 73; 57Gam1And ; 2.26; 13100;occ; 99; 0;43576
13; 4424.9; 01-JUL-2010 08:33:33; Dark ; 46.0; 173; 4Bet Tri ; 3.00; 8900;occ; 92; 0;43576
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16; 5504.0; 01-JUL-2010 08:51:32; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;43576
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19; 6640.2; 01-JUL-2010 09:10:28; Dark ; 51.0; 31; Alp Gru ; 1.73; 15200;occ; 102; 0;43577
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22; 7425.5; 01-JUL-2010 09:23:34; Bright; 48.0; 57; 34Sig Sgr ; 2.07; 26000;occ; 96; 0;43577
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3; 2647.3; 01-JUL-2010 21:28:43; Bright; 39.5; 5; 3Alp Lyr ; 0.03; 11000;occ; 79; 0;43584
4; 2914.8; 01-JUL-2010 21:33:10; Bright; 49.0; 144; 18Del Cyg ; 2.86; 11000;occ; 98; 0;43584
5; 3132.5; 01-JUL-2010 21:36:48; Bright; 55.5; 19; 50Alp Cyg ; 1.25; 10500;occ; 111; 0;43584
6; 3337.8; 01-JUL-2010 21:40:13; Bright; 47.5; 89; 5Alp Cep ; 2.45; 8000;occ; 95; 0;43584
7; 3780.4; 01-JUL-2010 21:47:36; Bright; 48.5; 74; 11Bet Cas ; 2.27; 6600;occ; 97; 0;43584
8; 3874.3; 01-JUL-2010 21:49:10; Bright; 40.5; 110; 37Del Cas ; 2.68; 8900;occ; 81; 0;43584
9; 4265.9; 01-JUL-2010 21:55:41; Bright; 47.5; 73; 57Gam1And ; 2.26; 13100;occ; 95; 0;43584
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11; 4682.4; 01-JUL-2010 22:02:38; Dark ; 58.0; 50; 13Alp Ari ; 2.01; 4250;occ; 116; 0;43584
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5; 596.3; 01-JUL-2010 22:35:08; Dark ; 75.5; 18; 24Alp PsA ; 1.17; 9700;occ; 151; 0;43585
6; 1482.8; 01-JUL-2010 22:49:54; Bright; 45.5; 155; 41Pi Sgr ; 2.90; 6600;occ; 91; 0;43585
7; 2226.5; 01-JUL-2010 23:02:18; Bright; 50.0; 168; 17Zet Aql ; 2.99; 11000;occ; 100; 0;43585
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11; 3336.9; 01-JUL-2010 23:20:48; Bright; 43.0; 89; 5Alp Cep ; 2.45; 8000;occ; 86; 0;43585
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5; 598.1; 02-JUL-2010 00:15:45; Dark ; 96.5; 18; 24Alp PsA ; 1.17; 9700;occ; 193; 0;43586
6; 787.6; 02-JUL-2010 00:18:55; Dark ; 56.5; 172; Gam Gru ; 3.00; 13100;occ; 113; 0;43586
7; 1482.7; 02-JUL-2010 00:30:30; Bright; 45.5; 155; 41Pi Sgr ; 2.90; 6600;occ; 91; 0;43586
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13; 4424.7; 01-JUL-2010 10:14:09; Dark ; 49.0; 173; 4Bet Tri ; 3.00; 8900;occ; 98; 0;43577
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16; 5504.8; 01-JUL-2010 10:32:09; Dark ; 59.0; 0; ; 0.00; 0;occ; 118; 0;43577
17; 6136.8; 01-JUL-2010 10:42:41; Dark ; 50.0; 84; Alp Phe ; 2.40; 4500;occ; 100; 0;43578
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5; 2808.6; 01-JUL-2010 11:27:48; Bright; 38.0; 130; 23Bet Dra ; 2.80; 5800;occ; 76; 0;43578
6; 2920.2; 01-JUL-2010 11:29:40; Bright; 49.5; 144; 18Del Cyg ; 2.86; 11000;occ; 99; 0;43578
7; 3783.3; 01-JUL-2010 11:44:03; Bright; 49.5; 74; 11Bet Cas ; 2.27; 6600;occ; 99; 0;43578
8; 3876.0; 01-JUL-2010 11:45:36; Bright; 51.5; 110; 37Del Cas ; 2.68; 8900;occ; 103; 0;43578
9; 4062.1; 01-JUL-2010 11:48:42; Bright; 53.5; 160; 23Gam Per ; 2.93; 4700;occ; 107; 0;43578

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13; 4680.6; 01-JUL-2010 11:59:00; Dark ; 59.0; 50; 13Alp Ari ; 2.01; 4250;occ; 118; 0;43578
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 3; 2649.4; 01-JUL-2010 14:46:21; Bright; 47.5; 5; 3Alp Lyr ; 0.03; 11000;occ; 95; 0;43580
 4; 2918.4; 01-JUL-2010 14:50:50; Bright; 48.5; 144; 18Del Cyg ; 2.86; 11000;occ; 97; 0;43580
 5; 3137.9; 01-JUL-2010 14:54:29; Bright; 59.5; 19; 50Alp Cyg ; 1.25; 10500;occ; 119; 0;43580
 6; 3340.4; 01-JUL-2010 14:57:52; Bright; 45.5; 89; 5Alp Cep ; 2.45; 8000;occ; 91; 0;43580
 7; 3782.2; 01-JUL-2010 15:05:14; Bright; 50.5; 74; 11Bet Cas ; 2.27; 6600;occ; 101; 0;43580
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13; 5874.7; 01-JUL-2010 15:40:06; Dark ; 87.5; 52; 16Bet Cet ; 2.04; 4500;occ; 175; 0;43580
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15; 6528.2; 01-JUL-2010 15:51:00; Dark ; 52.5; 63; Bet Gru ; 2.15; 2800;occ; 105; 0;43581
16; 6625.2; 01-JUL-2010 15:52:37; Dark ; 83.0; 18; 24Alp PsA ; 1.17; 9700;occ; 166; 0;43581
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 4; 2917.6; 01-JUL-2010 16:31:25; Bright; 49.0; 144; 18Del Cyg ; 2.86; 11000;occ; 98; 0;43581
 5; 3136.6; 01-JUL-2010 16:35:04; Bright; 61.0; 19; 50Alp Cyg ; 1.25; 10500;occ; 122; 0;43581
 6; 3339.7; 01-JUL-2010 16:38:27; Bright; 45.5; 89; 5Alp Cep ; 2.45; 8000;occ; 91; 0;43581
 7; 3781.6; 01-JUL-2010 16:45:49; Bright; 48.0; 74; 11Bet Cas ; 2.27; 6600;occ; 96; 0;43581
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11; 4681.5; 01-JUL-2010 17:00:49; Dark ; 60.0; 50; 13Alp Ari ; 2.01; 4250;occ; 120; 0;43581
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 3; 109.8; 02-JUL-2010 01:48:13; Dark ; 48.0; 84; Alp Phe ; 2.40; 4500;occ; 96; 0;43587
 4; 498.0; 02-JUL-2010 01:54:41; Dark ; 53.5; 63; Bet Gru ; 2.15; 2800;occ; 107; 0;43587
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 6; 789.0; 02-JUL-2010 01:59:32; Dark ; 57.0; 172; Gam Gru ; 3.00; 13100;occ; 114; 0;43587
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 9; 2645.9; 02-JUL-2010 02:30:29; Bright; 40.0; 5; 3Alp Lyr ; 0.03; 11000;occ; 80; 0;43587
10; 2912.5; 02-JUL-2010 02:34:56; Bright; 46.0; 144; 18Del Cyg ; 2.86; 11000;occ; 92; 0;43587
11; 3129.0; 02-JUL-2010 02:38:32; Bright; 63.5; 19; 50Alp Cyg ; 1.25; 10500;occ; 127; 0;43587
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 3; -1770.3; 02-JUL-2010 02:57:29; Bright; 51.5; 73; 57Gam1And ; 2.26; 13100;occ; 103; 0;43587
 4; -1616.6; 02-JUL-2010 03:00:02; Dark ; 66.5; 53; 43Bet And ; 2.05; 3300;occ; 133; 0;43587
 5; -1352.1; 02-JUL-2010 03:04:27; Dark ; 62.5; 50; 13Alp Ari ; 2.01; 4250;occ; 125; 0;43587
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 10; 601.6; 02-JUL-2010 03:37:01; Dark ; 86.0; 18; 24Alp PsA ; 1.17; 9700;occ; 172; 0;43588
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 12; 1483.1; 02-JUL-2010 03:51:42; Bright; 46.0; 155; 41Pi Sgr ; 2.90; 6600;occ; 92; 0;43588
 13; 2225.3; 02-JUL-2010 04:04:04; Bright; 48.5; 168; 17Zet Aql ; 2.99; 11000;occ; 97; 0;43588
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 8; 112.1; 02-JUL-2010 05:09:27; Dark ; 61.0; 84; Alp Phe ; 2.40; 4500;occ; 122; 0;43589
 9; 499.9; 02-JUL-2010 05:15:55; Dark ; 51.0; 63; Bet Gru ; 2.15; 2800;occ; 102; 0;43589
 10; 603.3; 02-JUL-2010 05:17:38; Dark ; 79.5; 18; 24Alp PsA ; 1.17; 9700;occ; 159; 0;43589
 11; 790.9; 02-JUL-2010 05:20:46; Dark ; 56.0; 172; Gam Gru ; 3.00; 13100;occ; 112; 0;43589
 12; 1483.4; 02-JUL-2010 05:32:18; Bright; 45.0; 155; 41Pi Sgr ; 2.90; 6600;occ; 90; 0;43589
 13; 2224.8; 02-JUL-2010 05:44:40; Bright; 49.0; 168; 17Zet Aql ; 2.99; 11000;occ; 98; 0;43589
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 3; 2640.9; 02-JUL-2010 20:56:59; Bright; 39.5; 5; 3Alp Lyr ; 0.03; 11000;occ; 79; 0;43598
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 5; 3115.0; 02-JUL-2010 21:04:53; Bright; 60.5; 19; 50Alp Cyg ; 1.25; 10500;occ; 121; 0;43598
 6; 3328.0; 02-JUL-2010 21:08:26; Bright; 67.0; 89; 5Alp Cep ; 2.45; 8000;occ; 134; 0;43598
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 3; 122.1; 02-JUL-2010 21:55:36; Dark ; 49.0; 84; Alp Phe ; 2.40; 4500;occ; 98; 0;43599
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 5; 620.8; 02-JUL-2010 22:03:55; Dark ; 95.0; 18; 24Alp PsA ; 1.17; 9700;occ; 190; 0;43599
 6; 801.4; 02-JUL-2010 22:06:56; Dark ; 53.5; 172; Gam Gru ; 3.00; 13100;occ; 107; 0;43599
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 9; 2640.5; 02-JUL-2010 22:37:35; Bright; 44.0; 5; 3Alp Lyr ; 0.03; 11000;occ; 88; 0;43599
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 11; 3113.9; 02-JUL-2010 22:45:28; Bright; 60.5; 19; 50Alp Cyg ; 1.25; 10500;occ; 121; 0;43599
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 3; 123.3; 02-JUL-2010 23:36:14; Dark ; 49.5; 84; Alp Phe ; 2.40; 4500;occ; 99; 0;43600
 4; 510.5; 02-JUL-2010 23:42:41; Dark ; 53.5; 63; Bet Gru ; 2.15; 2800;occ; 107; 0;43600
 5; 622.6; 02-JUL-2010 23:44:33; Dark ; 77.5; 18; 24Alp PsA ; 1.17; 9700;occ; 155; 0;43600
 6; 802.4; 02-JUL-2010 23:47:33; Dark ; 57.0; 172; Gam Gru ; 3.00; 13100;occ; 114; 0;43600
 7; 1485.6; 02-JUL-2010 23:58:56; Bright; 45.0; 155; 41Pi Sgr ; 2.90; 6600;occ; 90; 0;43600
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11; 3112.7; 03-JUL-2010 00:26:03; Bright; 59.5; 19; 50Alp Cyg ; 1.25; 10500;occ; 119; 0;43600
12; 3326.7; 03-JUL-2010 00:29:37; Bright; 47.0; 89; 5Alp Cep ; 2.45; 8000;occ; 94; 0;43600
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11; 4419.3; 05-JUL-2010 21:32:23; Dark ; 78.5; 53; 43Bet And ; 2.05; 3300;occ; 157; 0;43641
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5; 2868.4; 05-JUL-2010 22:47:08; Bright; 47.5; 144; 18Del Cyg ; 2.86; 11000;occ; 95; 0;43642
6; 3063.3; 05-JUL-2010 22:50:23; Bright; 55.0; 19; 50Alp Cyg ; 1.25; 10500;occ; 110; 0;43642
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3;-1773.9; 05-JUL-2010 06:24:22; Bright; 55.5; 73; 57Gam1And ; 2.26; 13100;occ; 111; 0;43632
4;-1616.6; 05-JUL-2010 06:26:59; Dark ; 87.5; 53; 43Bet And ; 2.05; 3300;occ; 175; 0;43632
5;-1335.5; 05-JUL-2010 06:31:40; Dark ; 62.5; 50; 13Alp Ari ; 2.01; 4250;occ; 125; 0;43632
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8; 158.3; 05-JUL-2010 06:56:34; Dark ; 51.0; 84; Alp Phe ; 2.40; 4500;occ; 102; 0;43633
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11; 835.5; 05-JUL-2010 07:07:51; Dark ; 55.0; 172; Gam Gru ; 3.00; 13100;occ; 110; 0;43633
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3;-1617.0; 06-JUL-2010 00:53:34; Dark ; 81.5; 53; 43Bet And ; 2.05; 3300;occ; 163; 0;43643
4;-1331.6; 06-JUL-2010 00:58:19; Dark ; 68.5; 50; 13Alp Ari ; 2.01; 4250;occ; 137; 0;43643
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3; 2858.8; 06-JUL-2010 20:34:45; Bright; 46.5; 144; 18Del Cyg ; 2.86; 11000;occ; 93; 0;43655
4; 3048.7; 06-JUL-2010 20:37:55; Bright; 57.0; 19; 50Alp Cyg ; 1.25; 10500;occ; 114; 0;43655
5; 3290.6; 06-JUL-2010 20:41:57; Bright; 41.5; 89; 5Alp Cep ; 2.45; 8000;occ; 83; 0;43655
6; 3740.9; 06-JUL-2010 20:49:27; Bright; 48.5; 74; 11Bet Cas ; 2.27; 6600;occ; 97; 0;43655
7; 3851.4; 06-JUL-2010 20:51:18; Bright; 44.0; 110; 37Del Cas ; 2.68; 8900;occ; 88; 0;43655
8; 4259.8; 06-JUL-2010 20:58:06; Bright; 54.5; 73; 57Gam1And ; 2.26; 13100;occ; 109; 0;43655
9; 4418.9; 06-JUL-2010 21:00:45; Dark ; 84.0; 53; 43Bet And ; 2.05; 3300;occ; 168; 0;43655
10; 4709.1; 06-JUL-2010 21:05:35; Dark ; 63.5; 50; 13Alp Ari ; 2.01; 4250;occ; 127; 0;43655
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 6; 857.8; 06-JUL-2010 21:42:00; Dark ; 53.5; 172; Gam Gru ; 3.00; 13100;occ; 107; 0;43656
 7; 2194.6; 06-JUL-2010 22:04:17; Bright; 45.5; 168; 17Zet Aql ; 2.99; 11000;occ; 91; 0;43656
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 5; 718.1; 06-JUL-2010 23:20:16; Dark ; 83.0; 18; 24Alp PsA ; 1.17; 9700;occ; 166; 0;43657
 6; 858.4; 06-JUL-2010 23:22:37; Dark ; 53.5; 172; Gam Gru ; 3.00; 13100;occ; 107; 0;43657
 7; 2194.4; 06-JUL-2010 23:44:53; Bright; 43.5; 168; 17Zet Aql ; 2.99; 11000;occ; 87; 0;43657
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 13; 3850.6; 07-JUL-2010 00:12:29; Bright; 64.0; 110; 37Del Cas ; 2.68; 8900;occ; 128; 0;43657
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 16; 4710.0; 07-JUL-2010 00:26:48; Dark ; 61.0; 50; 13Alp Ari ; 2.01; 4250;occ; 122; 0;43657
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 3; 185.2; 07-JUL-2010 00:51:59; Dark ; 51.0; 84; Alp Phe ; 2.40; 4500;occ; 102; 0;43658
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 4; 566.1; 07-JUL-2010 02:38:56; Dark ; 65.5; 63; Bet Gru ; 2.15; 2800;occ; 131; 0;43659
 5; 721.8; 07-JUL-2010 02:41:32; Dark ; 83.0; 18; 24Alp PsA ; 1.17; 9700;occ; 166; 0;43659
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 7; 2616.4; 07-JUL-2010 03:13:06; Bright; 38.0; 5; 3Alp Lyr ; 0.03; 11000;occ; 76; 0;43659
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 9; 3044.4; 07-JUL-2010 03:20:14; Bright; 51.0; 19; 50Alp Cyg ; 1.25; 10500;occ; 102; 0;43659
 10; 3288.0; 07-JUL-2010 03:24:18; Bright; 43.5; 89; 5Alp Cep ; 2.45; 8000;occ; 87; 0;43659

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12; 861.3; 07-JUL-2010 04:24:27; Dark ; 56.0; 172; Gam Gru ; 3.00; 13100;occ; 112; 0;43660
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 4; 3222.5; 14-JUL-2010 11:26:06; Bright; 44.5; 89; 5Alp Cep ; 2.45; 8000;occ; 89; 0;43764
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 7; 4122.5; 14-JUL-2010 11:41:06; Bright; 41.5; 35; 33Alp Per ; 1.79; 6250;occ; 83; 0;43764
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 12; 5082.1; 14-JUL-2010 11:57:06; Dark ; 64.5; 94; 92Alp Cet ; 2.53; 3100;occ; 129; 0;43764
 13; 5271.4; 14-JUL-2010 12:00:15; Dark ; 45.5; 165; 34Gam Eri ; 2.95; 3200;occ; 91; 0;43764
 14; 5426.6; 14-JUL-2010 12:02:50; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;43764
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 17; 6341.4; 14-JUL-2010 12:18:05; Dark ; 50.0; 84; Alp Phe ; 2.40; 4500;occ; 100; 0;43765
 18; 6696.4; 14-JUL-2010 12:24:00; Dark ; 53.0; 63; Bet Gru ; 2.15; 2800;occ; 106; 0;43765
 19; 6795.1; 14-JUL-2010 12:25:39; Dark ; 47.5; 31; Alp Gru ; 1.73; 15200;occ; 95; 0;43765
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 21; 7399.5; 14-JUL-2010 12:35:43; Dark ; 44.5; 103; 38Zet Sgr ; 2.60; 9700;occ; 89; 0;43765
 22; 7550.3; 14-JUL-2010 12:38:14; Bright; 39.5; 155; 41Pi Sgr ; 2.90; 6600;occ; 79; 0;43765

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 10; 4618.2; 14-JUL-2010 13:29:58; Dark ; 43.5; 146; 25Eta Tau ; 2.87; 15200;occ; 87; 0;43765


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19; 6698.7; 14-JUL-2010 15:45:14; Dark ; 49.5; 63; Bet Gru ; 2.15; 2800;occ; 99; 0;43767
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 3; 2162.4; 14-JUL-2010 16:10:14; Bright; 40.0; 168; 17Zet Aql ; 2.99; 11000;occ; 80; 0;43767
 4; 2586.2; 14-JUL-2010 16:17:17; Bright; 38.0; 5; 3Alp Lyr ; 0.03; 11000;occ; 76; 0;43767
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16; 5429.3; 14-JUL-2010 17:04:41; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;43767
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 3; 2162.6; 14-JUL-2010 17:50:50; Bright; 59.0; 168; 17Zet Aql ; 2.99; 11000;occ; 118; 0;43768
 4; 2585.8; 14-JUL-2010 17:57:53; Bright; 44.0; 5; 3Alp Lyr ; 0.03; 11000;occ; 88; 0;43768
 5; 2784.0; 14-JUL-2010 18:01:11; Bright; 40.0; 69; 33Gam Dra ; 2.23; 3800;occ; 80; 0;43768
 6; 3220.3; 14-JUL-2010 18:08:28; Bright; 44.0; 89; 5Alp Cep ; 2.45; 8000;occ; 88; 0;43768
 7; 3748.7; 14-JUL-2010 18:17:16; Bright; 56.0; 76; 27Gam Cas ; 2.30; 30000;occ; 112; 0;43768
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10; 4297.3; 14-JUL-2010 18:26:25; Bright; 47.5; 79; 26Bet Per ; 2.31; 13100;occ; 95; 0;43768
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13; 4619.0; 14-JUL-2010 20:12:22; Dark ; 46.0; 146; 25Eta Tau ; 2.87; 15200;occ; 92; 0;43769
14; 4713.4; 14-JUL-2010 20:13:57; Dark ; 49.5; 13; 87Alp Tau ; 0.87; 3800;occ; 99; 0;43769
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14; 750.4; 22-JUL-2010 08:12:35; Dark ; 62.5; 63; Bet Gru ; 2.15; 2800;occ; 125; 0;43877
15; 836.3; 22-JUL-2010 08:14:01; Dark ; 49.5; 31; Alp Gru ; 1.73; 15200;occ; 99; 0;43877
16; 1029.9; 22-JUL-2010 08:17:14; Dark ; 49.5; 172; Gam Gru ; 3.00; 13100;occ; 99; 0;43877

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2;	-501.9;	22-JUL-2010	01:09:18;	Dark	;	59.5;	0;			;	0.00;	0;	occ;	119;	0;	43872
3;	208.8;	22-JUL-2010	01:21:09;	Dark	;	43.0;	9;	Alp	Eri	;	0.45;	24000;	occ;	86;	0;	43873
4;	429.7;	22-JUL-2010	01:24:50;	Dark	;	59.0;	84;	Alp	Phe	;	2.40;	4500;	occ;	118;	0;	43873
5;	649.4;	22-JUL-2010	01:28:30;	Dark	;	42.5;	148;	Alp	Tuc	;	2.88;	4100;	occ;	85;	0;	43873
6;	747.3;	22-JUL-2010	01:30:08;	Dark	;	61.5;	63;	Bet	Gru	;	2.15;	2800;	occ;	123;	0;	43873
7;	833.9;	22-JUL-2010	01:31:34;	Dark	;	54.0;	31;	Alp	Gru	;	1.73;	15200;	occ;	108;	0;	43873
8;	1027.1;	22-JUL-2010	01:34:47;	Dark	;	50.0;	172;	Gam	Gru	;	3.00;	13100;	occ;	100;	0;	43873
9;	2080.4;	22-JUL-2010	01:52:21;	Bright;		41.5;	11;	53Alp	Aql	;	0.76;	8000;	occ;	83;	0;	43873
10;	2570.6;	22-JUL-2010	02:00:31;	Bright;		41.0;	5;	3Alp	Lyr	;	0.03;	11000;	occ;	82;	0;	43873
11;	2738.3;	22-JUL-2010	02:03:19;	Bright;		40.5;	144;	18Del	Cyg	;	2.86;	11000;	occ;	81;	0;	43873
12;	2851.9;	22-JUL-2010	02:05:12;	Bright;		44.0;	19;	50Alp	Cyg	;	1.25;	10500;	occ;	88;	0;	43873
13;	3161.1;	22-JUL-2010	02:10:21;	Bright;		43.0;	89;	5Alp	Cep	;	2.45;	8000;	occ;	86;	0;	43873
14;	3690.5;	22-JUL-2010	02:19:11;	Bright;		47.5;	76;	27Gam	Cas	;	2.30;	30000;	occ;	95;	0;	43873
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20;	4740.7;	22-JUL-2010	02:36:41;	Dark	;	45.0;	13;	87Alp	Tau	;	0.87;	3800;	occ;	90;	0;	43873
21;	5332.5;	22-JUL-2010	02:46:33;	Dark	;	47.0;	165;	34Gam	Eri	;	2.95;	3200;	occ;	94;	0;	43873
22;	5535.2;	22-JUL-2010	02:49:55;	Dark	;	59.5;	0;			;	0.00;	0;	occ;	119;	0;	43873
23;	5884.8;	22-JUL-2010	02:55:45;	Dark	;	43.0;	157;	The1Eri		;	2.91;	9300;	occ;	86;	0;	43873
24;	6245.2;	22-JUL-2010	03:01:46;	Dark	;	53.5;	9;	Alp	Eri	;	0.45;	24000;	occ;	107;	0;	43874
25;	6466.9;	22-JUL-2010	03:05:27;	Dark	;	58.5;	84;	Alp	Phe	;	2.40;	4500;	occ;	117;	0;	43874
26;	6686.0;	22-JUL-2010	03:09:06;	Dark	;	44.0;	148;	Alp	Tuc	;	2.88;	4100;	occ;	88;	0;	43874
27;	6783.9;	22-JUL-2010	03:10:44;	Dark	;	54.5;	63;	Bet	Gru	;	2.15;	2800;	occ;	109;	0;	43874
28;	6870.4;	22-JUL-2010	03:12:11;	Dark	;	46.5;	31;	Alp	Gru	;	1.73;	15200;	occ;	93;	0;	43874
29;	7063.9;	22-JUL-2010	03:15:24;	Dark	;	49.0;	172;	Gam	Gru	;	3.00;	13100;	occ;	98;	0;	43874
30;	8116.2;	22-JUL-2010	03:32:56;	Bright;		42.5;	11;	53Alp	Aql	;	0.76;	8000;	occ;	85;	0;	43874
31;	8606.7;	22-JUL-2010	03:41:07;	Bright;		41.0;	5;	3Alp	Lyr	;	0.03;	11000;	occ;	82;	0;	43874
32;	8773.9;	22-JUL-2010	03:43:54;	Bright;		39.5;	144;	18Del	Cyg	;	2.86;	11000;	occ;	79;	0;	43874
33;	8887.1;	22-JUL-2010	03:45:47;	Bright;		45.0;	19;	50Alp	Cyg	;	1.25;	10500;	occ;	90;	0;	43874

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2;	3160.4;	22-JUL-2010	03:50:57;	Bright;		40.5;	89;	5Alp	Cep	;	2.45;	8000;	occ;	81;	0;	43874
3;	3690.1;	22-JUL-2010	03:59:46;	Bright;		50.5;	76;	27Gam	Cas	;	2.30;	30000;	occ;	101;	0;	43874
4;	4021.9;	22-JUL-2010	04:05:18;	Bright;		44.5;	160;	23Gam	Per	;	2.93;	4700;	occ;	89;	0;	43874
5;	4109.0;	22-JUL-2010	04:06:45;	Bright;		63.0;	35;	33Alp	Per	;	1.79;	6250;	occ;	126;	0;	43874
6;	4292.2;	22-JUL-2010	04:09:48;	Bright;		52.0;	79;	26Bet	Per	;	2.31;	13100;	occ;	104;	0;	43874
7;	4481.1;	22-JUL-2010	04:12:57;	Dark	;	44.0;	150;	44Zet	Per	;	2.89;	28000;	occ;	88;	0;	43874
8;	4646.1;	22-JUL-2010	04:15:42;	Dark	;	45.0;	146;	25Eta	Tau	;	2.87;	15200;	occ;	90;	0;	43874
9;	4741.1;	22-JUL-2010	04:17:17;	Dark	;	51.0;	13;	87Alp	Tau	;	0.87;	3800;	occ;	102;	0;	43874
10;	5333.2;	22-JUL-2010	04:27:09;	Dark	;	50.5;	165;	34Gam	Eri	;	2.95;	3200;	occ;	101;	0;	43874
11;	5536.4;	22-JUL-2010	04:30:33;	Dark	;	59.5;	0;			;	0.00;	0;	occ;	119;	0;	43874
12;	5885.8;	22-JUL-2010	04:36:22;	Dark	;	43.5;	157;	The1Eri		;	2.91;	9300;	occ;	87;	0;	43874
13;	6245.9;	22-JUL-2010	04:42:22;	Dark	;	52.5;	9;	Alp	Eri	;	0.45;	24000;	occ;	105;	0;	43875
14;	6467.8;	22-JUL-2010	04:46:04;	Dark	;	53.5;	84;	Alp	Phe	;	2.40;	4500;	occ;	107;	0;	43875
15;	6686.7;	22-JUL-2010	04:49:43;	Dark	;	41.0;	148;	Alp	Tuc	;	2.88;	4100;	occ;	82;	0;	43875
16;	6784.8;	22-JUL-2010	04:51:21;	Dark	;	52.5;	63;	Bet	Gru	;	2.15;	2800;	occ;	105;	0;	43875
17;	6871.4;	22-JUL-2010	04:52:48;	Dark	;	45.0;	31;	Alp	Gru	;	1.73;	15200;	occ;	90;	0;	43875
18;	7064.6;	22-JUL-2010	04:56:01;	Dark	;	48.5;	172;	Gam	Gru	;	3.00;	13100;	occ;	97;	0;	43875
19;	8115.9;	22-JUL-2010	05:13:32;	Bright;		42.0;	11;	53Alp	Aql	;	0.76;	8000;	occ;	84;	0;	43875
20;	8606.2;	22-JUL-2010	05:21:42;	Bright;		41.5;	5;	3Alp	Lyr	;	0.03;	11000;	occ;	83;	0;	43875
21;	8773.6;	22-JUL-2010	05:24:30;	Bright;		39.0;	144;	18Del	Cyg	;	2.86;	11000;	occ;	78;	0;	43875
22;	8886.2;	22-JUL-2010	05:26:22;	Bright;		48.0;	19;	50Alp	Cyg	;	1.25;	10500;	occ;	96;	0;	43875
23;	9195.7;	22-JUL-2010	05:31:32;	Bright;		44.0;	89;	5Alp	Cep	;	2.45;	8000;	occ;	88;	0;	43875
24;	9725.6;	22-JUL-2010	05:40:22;	Bright;		48.0;	76;	27Gam	Cas	;	2.30;	30000;	occ;	96;	0;	43875

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2;	-2014.3;	22-JUL-2010	05:45:54;	Bright;		43.5;	160;	23Gam	Per	;	2.93;	4700;	occ;	87;	0;	43875
3;	-1926.9;	22-JUL-2010	05:47:21;	Bright;		63.0;	35;	33Alp	Per	;	1.79;	6250;	occ;	126;	0;	43875
4;	-1743.9;	22-JUL-2010	05:50:24;	Bright;		51.5;	79;	26Bet	Per	;	2.31;	13100;	occ;	103;	0;	43875
5;	-1554.8;	22-JUL-2010	05:53:33;	Dark	;	46.0;	150;	44Zet	Per	;	2.89;	28000;	occ;	92;	0;	43875
6;	-1390.0;	22-JUL-2010	05:56:18;	Dark	;	47.5;	146;	25Eta	Tau	;	2.87;	15200;	occ;	95;	0;	43875
7;	-1294.7;	22-JUL-2010	05:57:54;	Dark	;	49.0;	13;	87Alp	Tau	;	0.87;	3800;	occ;	98;	0;	43875
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3; 2737.1; 22-JUL-2010 08:45:41; Bright; 39.0; 144; 18Del Cyg ; 2.86; 11000;occ; 78; 0;43877
4; 2848.8; 22-JUL-2010 08:47:33; Bright; 49.0; 19; 50Alp Cyg ; 1.25; 10500;occ; 98; 0;43877
5; 3159.1; 22-JUL-2010 08:52:43; Bright; 42.0; 89; 5Alp Cep ; 2.45; 8000;occ; 84; 0;43877
6; 3687.9; 22-JUL-2010 09:01:32; Bright; 50.0; 76; 27Gam Cas ; 2.30; 30000;occ; 100; 0;43877
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8; 4108.7; 22-JUL-2010 09:08:33; Bright; 45.5; 35; 33Alp Per ; 1.79; 6250;occ; 91; 0;43877
9; 4292.1; 22-JUL-2010 09:11:36; Bright; 53.0; 79; 26Bet Per ; 2.31; 13100;occ; 106; 0;43877
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13; 5334.9; 22-JUL-2010 09:28:59; Dark ; 48.0; 165; 34Gam Eri ; 2.95; 3200;occ; 96; 0;43877
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8; 4291.8; 22-JUL-2010 10:52:12; Bright; 52.0; 79; 26Bet Per ; 2.31; 13100;occ; 104; 0;43878
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5; 838.5; 22-JUL-2010 13:15:50; Dark ; 50.0; 31; Alp Gru ; 1.73; 15200;occ; 100; 0;43880
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3; 2735.8; 22-JUL-2010 13:47:28; Bright; 38.5; 144; 18Del Cyg ; 2.86; 11000;occ; 77; 0;43880
4; 2846.7; 22-JUL-2010 13:49:19; Bright; 47.5; 19; 50Alp Cyg ; 1.25; 10500;occ; 95; 0;43880
5; 3157.1; 22-JUL-2010 13:54:29; Bright; 41.5; 89; 5Alp Cep ; 2.45; 8000;occ; 83; 0;43880
6; 3753.2; 22-JUL-2010 14:04:25; Bright; 45.0; 110; 37Del Cas ; 2.68; 8900;occ; 90; 0;43880
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9; 4291.7; 22-JUL-2010 14:13:24; Bright; 48.5; 79; 26Bet Per ; 2.31; 13100;occ; 97; 0;43880
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5; 3102.9; 30-JUL-2010 09:40:39; Bright; 39.0; 89; 5Alp Cep ; 2.45; 8000;occ; 78; 0;43992
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 12; 5424.5; 30-JUL-2010 13:40:33; Dark ; 52.5; 165; 34Gam Eri ; 2.95; 3200;occ; 105; 0;43994
 13; 5717.1; 30-JUL-2010 13:45:25; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;43994
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 11; 5425.5; 30-JUL-2010 15:21:09; Dark ; 54.5; 165; 34Gam Eri ; 2.95; 3200;occ; 109; 0;43995
 12; 5717.8; 30-JUL-2010 15:26:02; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;43995
 13; 5989.9; 30-JUL-2010 15:30:34; Dark ; 44.5; 157; The1Eri ; 2.91; 9300;occ; 89; 0;43995
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 16; 6942.9; 30-JUL-2010 15:46:27; Dark ; 46.0; 31; Alp Gru ; 1.73; 15200;occ; 92; 0;43996
 17; 7132.1; 30-JUL-2010 15:49:36; Dark ; 44.5; 172; Gam Gru ; 3.00; 13100;occ; 89; 0;43996

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13; 4315.9; 31-JUL-2010 01:06:16; Bright; 66.0; 149; 45Eps Per ; 2.89; 30000;occ; 132; 0;44001
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2; -306.0; 31-JUL-2010 21:37:01; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;44013
3; -29.1; 31-JUL-2010 21:41:38; Dark ; 47.0; 157; The1Eri ; 2.91; 9300;occ; 94; 0;44013
4; 303.3; 31-JUL-2010 21:47:10; Dark ; 46.5; 9; Alp Eri ; 0.45; 24000;occ; 93; 0;44014
5; 587.1; 31-JUL-2010 21:51:54; Dark ; 54.5; 84; Alp Phe ; 2.40; 4500;occ; 109; 0;44014
6; 916.4; 31-JUL-2010 21:57:23; Dark ; 43.0; 31; Alp Gru ; 1.73; 15200;occ; 86; 0;44014
7; 1105.1; 31-JUL-2010 22:00:32; Dark ; 44.5; 172; Gam Gru ; 3.00; 13100;occ; 89; 0;44014
8; 2059.6; 31-JUL-2010 22:16:27; Bright; 38.0; 11; 53Alp Aql ; 0.76; 8000;occ; 76; 0;44014
9; 2582.3; 31-JUL-2010 22:25:09; Bright; 42.0; 92; 53Eps Cyg ; 2.50; 4500;occ; 84; 0;44014
10; 2695.5; 31-JUL-2010 22:27:02; Bright; 38.0; 144; 18Del Cyg ; 2.86; 11000;occ; 76; 0;44014
11; 3092.8; 31-JUL-2010 22:33:40; Bright; 42.0; 89; 5Alp Cep ; 2.45; 8000;occ; 84; 0;44014
12; 3980.7; 31-JUL-2010 22:48:28; Bright; 47.0; 160; 23Gam Per ; 2.93; 4700;occ; 94; 0;44014
13; 4139.5; 31-JUL-2010 22:51:06; Bright; 44.0; 175; 39Del Per ; 3.01; 19400;occ; 88; 0;44014
14; 4315.5; 31-JUL-2010 22:54:02; Bright; 45.5; 149; 45Eps Per ; 2.89; 30000;occ; 91; 0;44014
15; 4500.2; 31-JUL-2010 22:57:07; Dark ; 37.0; 150; 44Zet Per ; 2.89; 28000;occ; 74; 0;44014
16; 4637.7; 31-JUL-2010 22:59:25; Dark ; 41.5; 176; 23Zet Tau ; 3.02; 22000;occ; 83; 0;44014
17; 4787.6; 31-JUL-2010 23:01:54; Dark ; 60.5; 13; 87Alp Tau ; 0.87; 3800;occ; 121; 0;44014

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6; 917.0; 31-JUL-2010 23:38:00; Dark ; 44.5; 31; Alp Gru ; 1.73; 15200;occ; 89; 0;44015
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13; 4139.1; 01-AUG-2010 00:31:42; Bright; 46.5; 175; 39Del Per ; 3.01; 19400;occ; 93; 0;44015
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