

GOMOS Daily Report 20-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	23APR2010 04:50:39
Data source version	GOMOS/5.00L04
Start time of products	20APR2010 00:01:25
Stop time of products	20APR2010 23:56:42
Store outputs in DB	Yes
Nb of level 1b prods	115
Nb of prods with errors	0

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

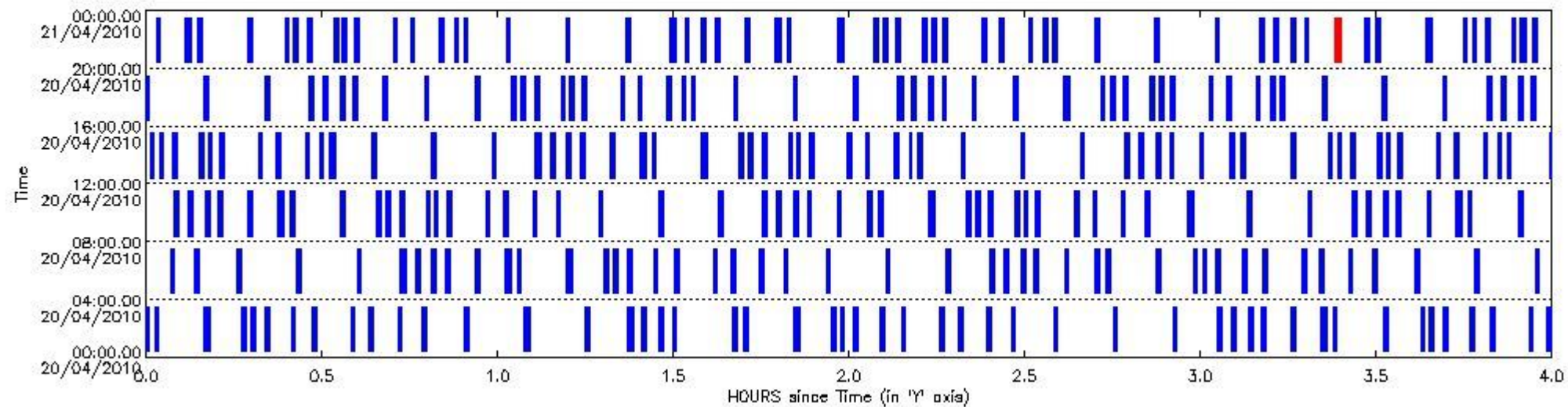
2.1 Level 0 products arrived in PCF (see template [here](#))

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
20-APR-2010 23:23:01	GamGru	172	42554

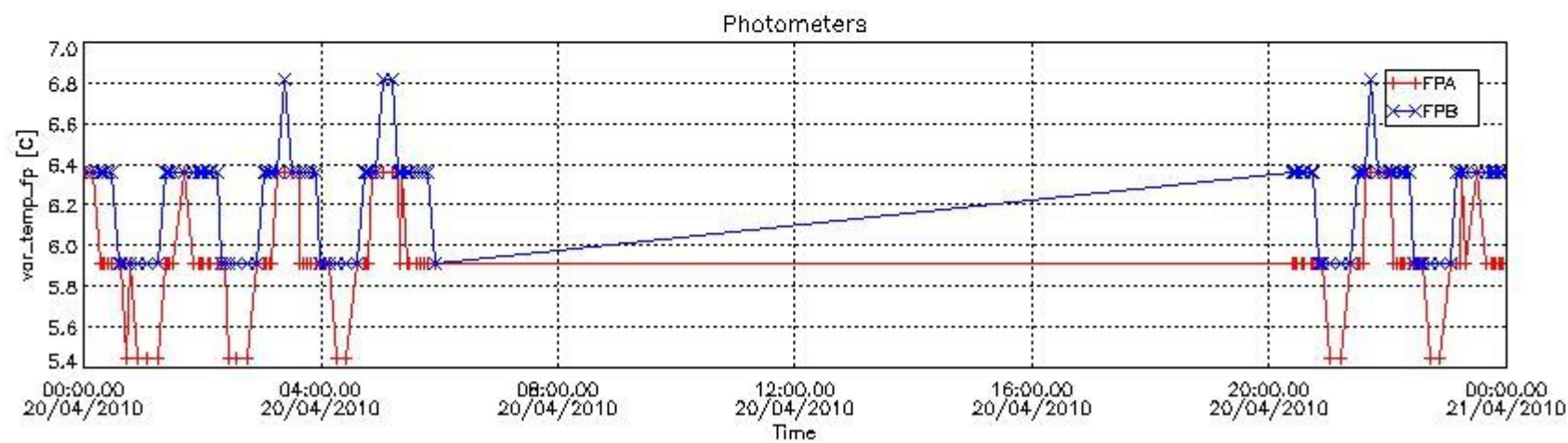
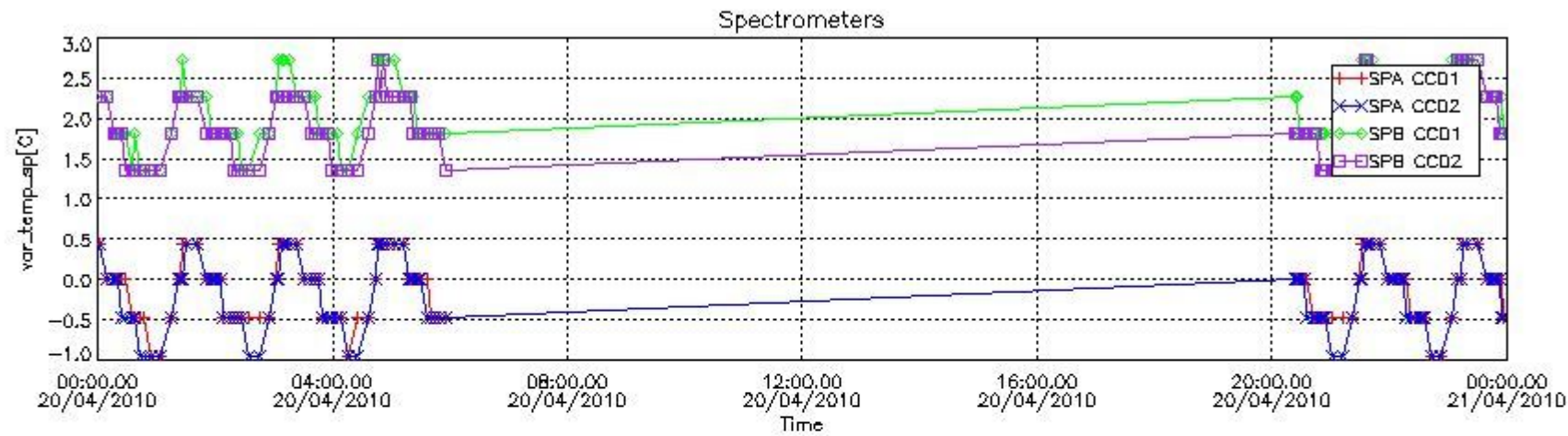
2.4 Summary of processed GOM_TRA_1P products

Nr	Filename	UTC Start time	Limb	Duration	Star Id	Star Name	Star Mag	Star Temp	Nb Meas	Orbit	Prod. error
1	GOM_TRA_1PNPDE20100420_000125_000000422088_00403_42541_5300.N1	20-APR-2010 00:01:25	Dark	41.500	45	Alp Pav	1.9400	26000.	83	42541	No
2	GOM_TRA_1PNPDE20100420_000955_000000542088_00403_42541_5301.N1	20-APR-2010 00:09:55	Straylight	54.000	40	The Sco	1.8590	7100.0	108	42541	No
3	GOM_TRA_1PNPDE20100420_001621_000000412088_00403_42541_5302.N1	20-APR-2010 00:16:21	Straylight	40.500	78	Alp Lup	2.3040	28000.	81	42541	No
4	GOM_TRA_1PNPDE20100420_001756_000000452088_00403_42541_5303.N1	20-APR-2010 00:17:56	Straylight	44.500	81	Eta Cen	2.3560	28000.	89	42541	No
5	GOM_TRA_1PNPDE20100420_002013_000000482088_00403_42541_5304.N1	20-APR-2010 00:20:13	Straylight	48.000	54	5The Cen	2.0550	4500.0	96	42541	No
6	GOM_TRA_1PNPDE20100420_002447_000000412088_00403_42541_5305.N1	20-APR-2010 00:24:47	Twilight_stray	40.500	169	46Gam Hya	2.9910	4700.0	81	42541	No
7	GOM_TRA_1PNPDE20100420_002818_000000442088_00403_42541_5306.N1	20-APR-2010 00:28:18	Bright	44.000	15	67Alp Vir	0.97600	28000.	88	42541	No
8	GOM_TRA_1PNPDE20100420_003458_000000382088_00403_42541_5307.N1	20-APR-2010 00:34:58	Bright	38.000	138	47Eps Vir	2.8280	4700.0	76	42541	No
9	GOM_TRA_1PNPDE20100420_003800_000000462088_00403_42541_5308.N1	20-APR-2010 00:38:00	Bright	46.000	111	8Eta Boo	2.6800	6000.0	92	42541	No
10	GOM_TRA_1PNPDE20100420_004258_000000382088_00403_42541_5309.N1	20-APR-2010 00:42:58	Bright	37.500	152	12Alp2CVn	2.8900	11000.	75	42541	No

11	GOM_TRA_1PNPDE20100420_004704_000000392088_00403_42541_5310.N1	20-APR-2010 00:47:04	Bright	39.000	39	85Eta UMa	1.8540	24000.	78	42541	No
12	GOM_TRA_1PNPDE20100420_005419_000000402088_00403_42541_5311.N1	20-APR-2010 00:54:19	Bright	40.000	60	7Bet UMi	2.0810	3950.0	80	42541	No
13	GOM_TRA_1PNPDE20100420_010430_000000582088_00403_42541_5312.N1	20-APR-2010 01:04:30	Bright	58.000	89	5Alp Cep	2.4510	8000.0	116	42541	No
14	GOM_TRA_1PNPDE20100420_011446_000000552088_00403_42541_5313.N1	20-APR-2010 01:14:46	Bright	55.000	164	44Eta Peg	2.9480	5400.0	110	42541	No
15	GOM_TRA_1PNPDE20100420_012210_000000562088_00403_42541_5314.N1	20-APR-2010 01:22:10	Dark	56.000	61	8Eps Peg	2.1000	3900.0	112	42541	No
16	GOM_TRA_1PNPDE20100420_012438_000000472088_00403_42541_5315.N1	20-APR-2010 01:24:38	Dark	47.000	162	34Alp Aqr	2.9440	5350.0	94	42541	No
17	GOM_TRA_1PNPDE20100420_012729_000000512088_00403_42541_5319.N1	20-APR-2010 01:27:29	Dark	50.500	154	22Bet Aqr	2.8990	5700.0	101	42541	No
18	GOM_TRA_1PNPDE20100420_012948_000000452088_00403_42541_5320.N1	20-APR-2010 01:29:48	Dark	44.500	142	49Del Cap	2.8500	8900.0	89	42541	No
19	GOM_TRA_1PNPDE20100420_014202_000000402088_00404_42542_5321.N1	20-APR-2010 01:42:02	Dark	40.000	45	Alp Pav	1.9400	26000.	80	42542	No
20	GOM_TRA_1PNPDE20100420_015031_000000582088_00404_42542_5322.N1	20-APR-2010 01:50:31	Straylight	57.500	40	The Sco	1.8590	7100.0	115	42542	No
21	GOM_TRA_1PNPDE20100420_015657_000000432088_00404_42542_5323.N1	20-APR-2010 01:56:57	Straylight	43.000	78	Alp Lup	2.3040	28000.	86	42542	No
22	GOM_TRA_1PNPDE20100420_015832_000000422088_00404_42542_5324.N1	20-APR-2010 01:58:32	Straylight	42.000	81	Eta Cen	2.3560	28000.	84	42542	No
23	GOM_TRA_1PNPDE20100420_020049_000000462088_00404_42542_5325.N1	20-APR-2010 02:00:49	Straylight	45.500	54	5The Cen	2.0550	4500.0	91	42542	No
24	GOM_TRA_1PNPDE20100420_020523_000000432088_00404_42542_5326.N1	20-APR-2010 02:05:23	Tw_i_and_stray	43.000	169	46Gam Hya	2.9910	4700.0	86	42542	No
25	GOM_TRA_1PNPDE20100420_020854_000000452088_00404_42542_5327.N1	20-APR-2010 02:08:54	Bright	44.500	15	67Alp Vir	0.97600	28000.	89	42542	No
26	GOM_TRA_1PNPDE20100420_021534_000000392088_00404_42542_5328.N1	20-APR-2010 02:15:34	Bright	38.500	138	47Eps Vir	2.8280	4700.0	77	42542	No
27	GOM_TRA_1PNPDE20100420_021836_000000472088_00404_42542_5329.N1	20-APR-2010 02:18:36	Bright	46.500	111	8Eta Boo	2.6800	6000.0	93	42542	No
28	GOM_TRA_1PNPDE20100420_022334_000000372088_00404_42542_5330.N1	20-APR-2010 02:23:34	Bright	37.000	152	12Alp2CVn	2.8900	11000.	74	42542	No
29	GOM_TRA_1PNPDE20100420_022740_000000392088_00404_42542_5331.N1	20-APR-2010 02:27:40	Bright	39.000	39	85Eta UMa	1.8540	24000.	78	42542	No
30	GOM_TRA_1PNPDE20100420_023454_000000372088_00404_42542_5332.N1	20-APR-2010 02:34:54	Bright	36.500	60	7Bet UMi	2.0810	3950.0	73	42542	No
31	GOM_TRA_1PNPDE20100420_024506_000000412088_00404_42542_5341.N1	20-APR-2010 02:45:06	Bright	41.000	89	5Alp Cep	2.4510	8000.0	82	42542	No
32	GOM_TRA_1PNPDE20100420_025522_000000392088_00404_42542_5342.N1	20-APR-2010 02:55:22	Bright	38.500	164	44Eta Peg	2.9480	5400.0	77	42542	No
33	GOM_TRA_1PNPDE20100420_030247_000000512088_00404_42542_5343.N1	20-APR-2010 03:02:47	Dark	50.500	61	8Eps Peg	2.1000	3900.0	101	42542	No
34	GOM_TRA_1PNPDE20100420_030515_000000482088_00404_42542_5344.N1	20-APR-2010 03:05:15	Dark	47.500	162	34Alp Aqr	2.9440	5350.0	95	42542	No
35	GOM_TRA_1PNPDE20100420_030806_000000502088_00404_42542_5345.N1	20-APR-2010 03:08:06	Dark	50.000	154	22Bet Aqr	2.8990	5700.0	100	42542	No
36	GOM_TRA_1PNPDE20100420_031025_000000472088_00404_42542_5346.N1	20-APR-2010 03:10:25	Dark	47.000	142	49Del Cap	2.8500	8900.0	94	42542	No
37	GOM_TRA_1PNPDE20100420_031534_000000402088_00404_42542_5347.N1	20-APR-2010 03:15:34	Dark	40.000	172	Gam Gru	3.0030	13100.	80	42542	No
38	GOM_TRA_1PNPDE20100420_032239_000000382088_00405_42543_5348.N1	20-APR-2010 03:22:39	Dark	38.000	45	Alp Pav	1.9400	26000.	76	42543	No
39	GOM_TRA_1PNPDE20100420_033108_000000562088_00405_42543_5349.N1	20-APR-2010 03:31:08	Straylight	55.500	40	The Sco	1.8590	7100.0	111	42543	No
40	GOM_TRA_1PNPDE20100420_033734_000000402088_00405_42543_5350.N1	20-APR-2010 03:37:34	Straylight	39.500	78	Alp Lup	2.3040	28000.	79	42543	No
41	GOM_TRA_1PNPDE20100420_033908_000000452088_00405_42543_5351.N1	20-APR-2010 03:39:08	Straylight	45.000	81	Eta Cen	2.3560	28000.	90	42543	No
42	GOM_TRA_1PNPDE20100420_034125_000000482088_00405_42543_5352.N1	20-APR-2010 03:41:25	Straylight	47.500	54	5The Cen	2.0550	4500.0	95	42543	No
43	GOM_TRA_1PNPDE20100420_034559_000000442088_00405_42543_5353.N1	20-APR-2010 03:45:59	Tw_i_and_stray	43.500	169	46Gam Hya	2.9910	4700.0	87	42543	No
44	GOM_TRA_1PNPDE20100420_034930_000000432088_00405_42543_5354.N1	20-APR-2010 03:49:30	Bright	43.000	15	67Alp Vir	0.97600	28000.	86	42543	No
45	GOM_TRA_1PNPDE20100420_035610_000000392088_00405_42543_5355.N1	20-APR-2010 03:56:10	Bright	38.500	138	47Eps Vir	2.8280	4700.0	77	42543	No
46	GOM_TRA_1PNPDE20100420_035912_000000452088_00405_42543_5356.N1	20-APR-2010 03:59:12	Bright	45.000	111	8Eta Boo	2.6800	6000.0	90	42543	No
47	GOM_TRA_1PNPDE20100420_040409_000000392088_00405_42543_5357.N1	20-APR-2010 04:04:09	Bright	38.500	152	12Alp2CVn	2.8900	11000.	77	42543	No
48	GOM_TRA_1PNPDE20100420_040815_000000402088_00405_42543_5358.N1	20-APR-2010 04:08:15	Bright	39.500	39	85Eta UMa	1.8540	24000.	79	42543	No
49	GOM_TRA_1PNPDE20100420_041530_000000402088_00405_42543_5359.N1	20-APR-2010 04:15:30	Bright	40.000	60	7Bet UMi	2.0810	3950.0	80	42543	No
50	GOM_TRA_1PNPDE20100420_042542_000000382088_00405_42543_5364.N1	20-APR-2010 04:25:42	Bright	37.500	89	5Alp Cep	2.4510	8000.0	75	42543	No
51	GOM_TRA_1PNPDE20100420_043558_000000402088_00405_42543_5365.N1	20-APR-2010 04:35:58	Bright	39.500	164	44Eta Peg	2.9480	5400.0	79	42543	No
52	GOM_TRA_1PNPDE20100420_044323_000000542088_00405_42543_5366.N1	20-APR-2010 04:43:23	Dark	54.000	61	8Eps Peg	2.1000	3900.0	108	42543	No
53	GOM_TRA_1PNPDE20100420_044551_000000492088_00405_42543_5367.N1	20-APR-2010 04:45:51	Dark	49.000	162	34Alp Aqr	2.9440	5350.0	98	42543	No
54	GOM_TRA_1PNPDE20100420_044843_000000522088_00405_42543_5368.N1	20-APR-2010 04:48:43	Dark	51.500	154	22Bet Aqr	2.8990	5700.0	103	42543	No
55	GOM_TRA_1PNPDE20100420_045101_000000482088_00405_42543_5369.N1	20-APR-2010 04:51:01	Dark	47.500	142	49Del Cap	2.8500	8900.0	95	42543	No
56	GOM_TRA_1PNPDE20100420_045611_000000422088_00405_42543_5370.N1	20-APR-2010 04:56:11	Dark	41.500	172	Gam Gru	3.0030	13100.	83	42543	No
57	GOM_TRA_1PNPDE20100420_050315_000000402088_00406_42544_5371.N1	20-APR-2010 05:03:15	Dark	39.500	45	Alp Pav	1.9400	26000.	79	42544	No
58	GOM_TRA_1PNPDE20100420_051146_000000562088_00406_42544_5372.N1	20-APR-2010 05:11:46	Straylight	55.500	40	The Sco	1.8590	7100.0	111	42544	No
59	GOM_TRA_1PNPDE20100420_051810_000000442088_00406_42544_5373.N1	20-APR-2010 05:18:10	Straylight	44.000	78	Alp Lup	2.3040	28000.	88	42544	No
60	GOM_TRA_1PNPDE20100420_051945_000000452088_00406_42544_5374.N1	20-APR-2010 05:19:45	Straylight	45.000	81	Eta Cen	2.3560	28000.	90	42544	No
61	GOM_TRA_1PNPDE20100420_052202_000000482088_00406_42544_5375.N1	20-APR-2010 05:22:02	Straylight	47.500	54	5The Cen	2.0550	4500.0	95	42544	No
62	GOM_TRA_1PNPDE20100420_052635_000000432088_00406_42544_5376.N1	20-APR-2010 05:26:35	Tw_i_and_stray	42.500	169	46Gam Hya	2.9910	4700.0	85	42544	No
63	GOM_TRA_1PNPDE20100420_053007_000000442088_00406_42544_5377.N1	20-APR-2010 05:30:07	Bright	44.000	15	67Alp Vir	0.97600	28000.	88	42544	No
64	GOM_TRA_1PNPDE20100420_053646_000000392088_00406_42544_5378.N1	20-APR-2010 05:36:46	Bright	39.000	138	47Eps Vir	2.8280	4700.0	78	42544	No
65	GOM_TRA_1PNPDE20100420_053947_000000452088_00406_42544_5379.N1	20-APR-2010 05:39:47	Bright	44.500	111	8Eta Boo	2.6800	6000.0	89	42544	No
66	GOM_TRA_1PNPDE20100420_054445_000000382088_00406_42544_5380.N1	20-APR-2010 05:44:45	Bright	37.500	152	12Alp2CVn	2.8900	11000.	75	42544	No
67	GOM_TRA_1PNPDE20100420_054851_000000422088_00406_42544_5381.N1	20-APR-2010 05:48:51	Bright	41.500	39	85Eta UMa	1.8540	24000.	83	42544	No
68	GOM_TRA_1PNPDE20100420_055606_000000392088_00406_42544_5382.N1	20-APR-2010 05:56:06	Bright	39.000	60	7Bet UMi	2.0810	3950.0	78	42544	No
69	GOM_TRA_1PNPDE20100420_202337_000000422088_00415_42553_5486.N1	20-APR-2010 20:23:37	Straylight	42.000	78	Alp Lup	2.3040	28000.	84	42553	No

70	GOM_TRA_1PNPDE20100420_202512_000000442088_00415_42553_5487.N1	20-APR-2010 20:25:12	Straylight	43.500	81	Eta Cen	2.3560	28000.	87	42553	No
71	GOM_TRA_1PNPDE20100420_202728_000000482088_00415_42553_5488.N1	20-APR-2010 20:27:28	Straylight	47.500	54	5The Cen	2.0550	4500.0	95	42553	No
72	GOM_TRA_1PNPDE20100420_203200_000000442088_00415_42553_5489.N1	20-APR-2010 20:32:00	Twilight_stray	44.000	169	46Gam Hya	2.9910	4700.0	88	42553	No
73	GOM_TRA_1PNPDE20100420_203329_000000462088_00415_42553_5490.N1	20-APR-2010 20:33:29	Bright	46.000	122	9Alp2Lib	2.7470	9700.0	92	42553	No
74	GOM_TRA_1PNPDE20100420_203531_000000442088_00415_42553_5491.N1	20-APR-2010 20:35:31	Bright	43.500	15	67Alp Vir	0.97600	28000.	87	42553	No
75	GOM_TRA_1PNPDE20100420_204209_000000382088_00415_42553_5492.N1	20-APR-2010 20:42:09	Bright	38.000	138	47Eps Vir	2.8280	4700.0	76	42553	No
76	GOM_TRA_1PNPDE20100420_204507_000000432088_00415_42553_5493.N1	20-APR-2010 20:45:07	Bright	42.500	111	8Eta Boo	2.6800	6000.0	85	42553	No
77	GOM_TRA_1PNPDE20100420_205007_000000382088_00415_42553_5494.N1	20-APR-2010 20:50:07	Bright	38.000	152	12Alp2CVn	2.8900	11000.	76	42553	No
78	GOM_TRA_1PNPDE20100420_205237_000000392088_00415_42553_5495.N1	20-APR-2010 20:52:37	Bright	39.000	180	27Gam Boo	3.0400	8000.0	78	42553	No
79	GOM_TRA_1PNPDE20100420_205410_000000412088_00415_42553_5496.N1	20-APR-2010 20:54:10	Bright	40.500	39	85Eta UMa	1.8540	24000.	81	42553	No
80	GOM_TRA_1PNPDE20100420_210127_000000402088_00415_42553_5497.N1	20-APR-2010 21:01:27	Bright	39.500	60	7Bet UMi	2.0810	3950.0	79	42553	No
81	GOM_TRA_1PNPDE20100420_211139_000000412088_00415_42553_5498.N1	20-APR-2010 21:11:39	Bright	40.500	89	5Alp Cep	2.4510	8000.0	81	42553	No
82	GOM_TRA_1PNPDE20100420_212159_000000362088_00415_42553_5499.N1	20-APR-2010 21:21:59	Bright	35.500	164	44Eta Peg	2.9480	5400.0	71	42553	No
83	GOM_TRA_1PNPDE20100420_212928_000000552088_00415_42553_5500.N1	20-APR-2010 21:29:28	Dark	55.000	61	8Eps Peg	2.1000	3900.0	110	42553	No
84	GOM_TRA_1PNPDE20100420_213155_000000442088_00415_42553_5501.N1	20-APR-2010 21:31:55	Dark	44.000	162	34Alp Aqr	2.9440	5350.0	88	42553	No
85	GOM_TRA_1PNPDE20100420_213450_000000472088_00415_42553_5508.N1	20-APR-2010 21:34:50	Dark	46.500	154	22Bet Aqr	2.8990	5700.0	93	42553	No
86	GOM_TRA_1PNPDE20100420_213707_000000462088_00415_42553_5509.N1	20-APR-2010 21:37:07	Dark	46.000	142	49Del Cap	2.8500	8900.0	92	42553	No
87	GOM_TRA_1PNPDE20100420_214216_000000412088_00415_42553_5510.N1	20-APR-2010 21:42:16	Dark	41.000	172	Gam Gru	3.0030	13100.	82	42553	No
88	GOM_TRA_1PNPDE20100420_214920_000000402088_00416_42554_5511.N1	20-APR-2010 21:49:20	Dark	40.000	45	Alp Pav	1.9400	26000.	80	42554	No
89	GOM_TRA_1PNPDE20100420_215755_000000652088_00416_42554_5512.N1	20-APR-2010 21:57:55	Straylight	64.500	40	The Sco	1.8590	7100.0	129	42554	No
90	GOM_TRA_1PNPDE20100420_220413_000000432088_00416_42554_5513.N1	20-APR-2010 22:04:13	Straylight	43.000	78	Alp Lup	2.3040	28000.	86	42554	No
91	GOM_TRA_1PNPDE20100420_220548_000000432088_00416_42554_5514.N1	20-APR-2010 22:05:48	Straylight	42.500	81	Eta Cen	2.3560	28000.	85	42554	No
92	GOM_TRA_1PNPDE20100420_220804_000000452088_00416_42554_5515.N1	20-APR-2010 22:08:04	Straylight	45.000	54	5The Cen	2.0550	4500.0	90	42554	No
93	GOM_TRA_1PNPDE20100420_221236_000000452088_00416_42554_5516.N1	20-APR-2010 22:12:36	Twilight_stray	44.500	169	46Gam Hya	2.9910	4700.0	89	42554	No
94	GOM_TRA_1PNPDE20100420_221405_000000522088_00416_42554_5517.N1	20-APR-2010 22:14:05	Bright	52.000	122	9Alp2Lib	2.7470	9700.0	104	42554	No
95	GOM_TRA_1PNPDE20100420_221606_000000442088_00416_42554_5518.N1	20-APR-2010 22:16:06	Bright	44.000	15	67Alp Vir	0.97600	28000.	88	42554	No
96	GOM_TRA_1PNPDE20100420_222244_000000382088_00416_42554_5519.N1	20-APR-2010 22:22:44	Bright	38.000	138	47Eps Vir	2.8280	4700.0	76	42554	No
97	GOM_TRA_1PNPDE20100420_222543_000000442088_00416_42554_5520.N1	20-APR-2010 22:25:43	Bright	43.500	111	8Eta Boo	2.6800	6000.0	87	42554	No
98	GOM_TRA_1PNPDE20100420_223042_000000382088_00416_42554_5521.N1	20-APR-2010 22:30:42	Bright	37.500	152	12Alp2CVn	2.8900	11000.	75	42554	No
99	GOM_TRA_1PNPDE20100420_223312_000000452088_00416_42554_5522.N1	20-APR-2010 22:33:12	Bright	45.000	180	27Gam Boo	3.0400	8000.0	90	42554	No
100	GOM_TRA_1PNPDE20100420_223446_000000422088_00416_42554_5523.N1	20-APR-2010 22:34:46	Bright	42.000	39	85Eta UMa	1.8540	24000.	84	42554	No
101	GOM_TRA_1PNPDE20100420_224203_000000372088_00416_42554_5524.N1	20-APR-2010 22:42:03	Bright	37.000	60	7Bet UMi	2.0810	3950.0	74	42554	No
102	GOM_TRA_1PNPDE20100420_225215_000000412088_00416_42554_5525.N1	20-APR-2010 22:52:15	Bright	40.500	89	5Alp Cep	2.4510	8000.0	81	42554	No
103	GOM_TRA_1PNPDE20100420_230235_000000392088_00416_42554_5526.N1	20-APR-2010 23:02:35	Bright	39.000	164	44Eta Peg	2.9480	5400.0	78	42554	No
104	GOM_TRA_1PNPDE20100420_231004_000000542088_00416_42554_5527.N1	20-APR-2010 23:10:04	Dark	53.500	61	8Eps Peg	2.1000	3900.0	107	42554	No
105	GOM_TRA_1PNPDE20100420_231232_000000462088_00416_42554_5528.N1	20-APR-2010 23:12:32	Dark	45.500	162	34Alp Aqr	2.9440	5350.0	91	42554	No
106	GOM_TRA_1PNPDE20100420_231526_000000512088_00416_42554_5532.N1	20-APR-2010 23:15:26	Dark	51.000	154	22Bet Aqr	2.8990	5700.0	102	42554	No
107	GOM_TRA_1PNPDE20100420_231744_000000452088_00416_42554_5533.N1	20-APR-2010 23:17:44	Dark	45.000	142	49Del Cap	2.8500	8900.0	90	42554	No
108	GOM_TRA_1PNPDE20100420_232956_000000412088_00417_42555_5534.N1	20-APR-2010 23:29:56	Dark	41.000	45	Alp Pav	1.9400	26000.	82	42555	No
109	GOM_TRA_1PNPDE20100420_233832_000000542088_00417_42555_5535.N1	20-APR-2010 23:38:32	Straylight	54.000	40	The Sco	1.8590	7100.0	108	42555	No
110	GOM_TRA_1PNPDE20100420_234450_000000432088_00417_42555_5536.N1	20-APR-2010 23:44:50	Straylight	43.000	78	Alp Lup	2.3040	28000.	86	42555	No
111	GOM_TRA_1PNPDE20100420_234624_000000432088_00417_42555_5537.N1	20-APR-2010 23:46:24	Straylight	43.000	81	Eta Cen	2.3560	28000.	86	42555	No
112	GOM_TRA_1PNPDE20100420_234840_000000492088_00417_42555_5538.N1	20-APR-2010 23:48:40	Straylight	49.000	54	5The Cen	2.0550	4500.0	98	42555	No
113	GOM_TRA_1PNPDE20100420_235312_000000412088_00417_42555_5539.N1	20-APR-2010 23:53:12	Twilight_stray	41.000	169	46Gam Hya	2.9910	4700.0	82	42555	No
114	GOM_TRA_1PNPDE20100420_235440_000000522088_00417_42555_5540.N1	20-APR-2010 23:54:40	Bright	52.000	122	9Alp2Lib	2.7470	9700.0	104	42555	No
115	GOM_TRA_1PNPDE20100420_235642_000000442088_00417_42555_5541.N1	20-APR-2010 23:56:42	Bright	43.500	15	67Alp Vir	0.97600	28000.	87	42555	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).

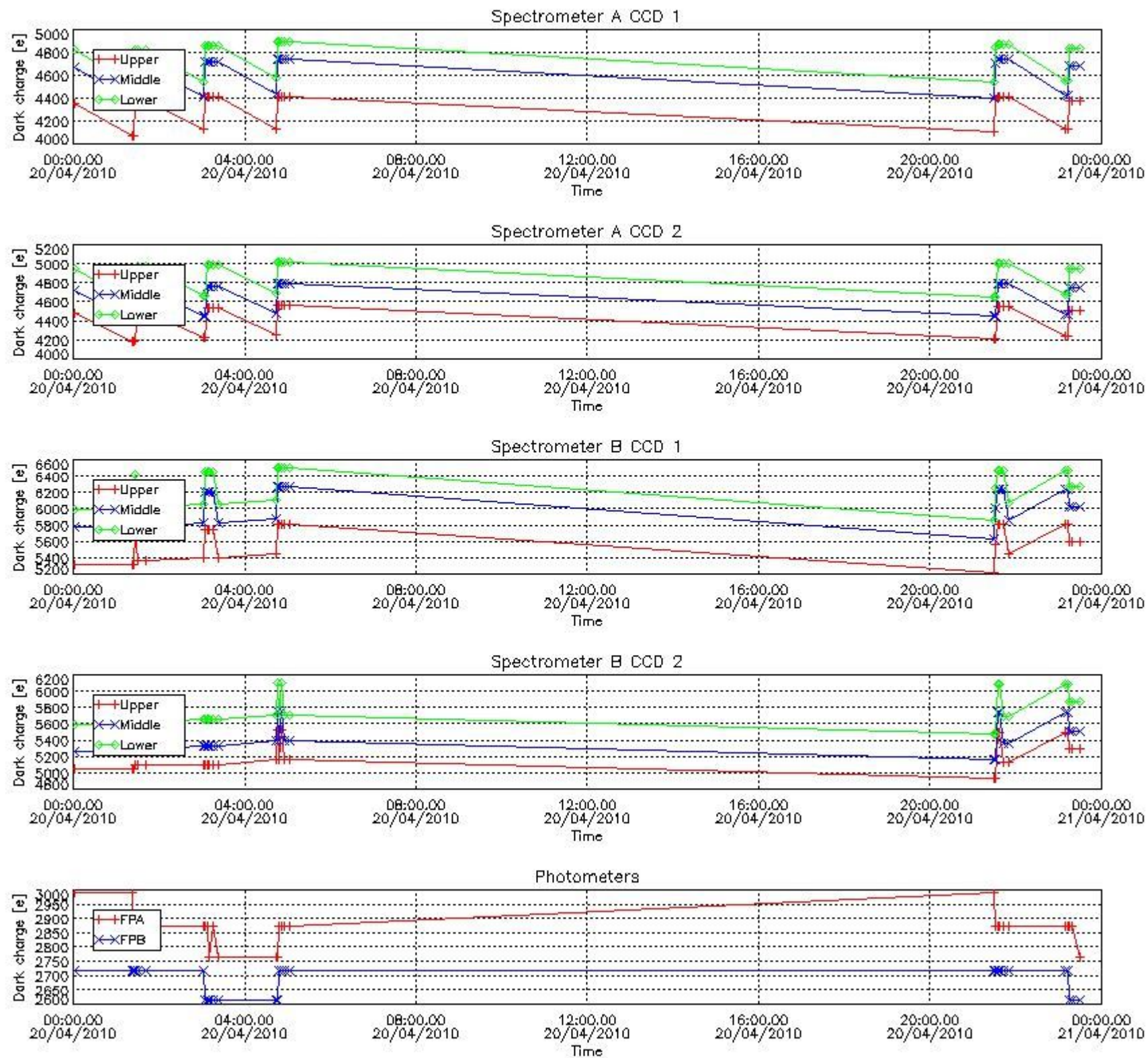
In this section a list of products that did not use the Dark Sky Area (DSA) observation for the DC computation is given. It is also provided the mean DC plot per product for dark limb products with no error flag set.

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

Product name	DC information
GOM_TRA_1PNPDE20100420_202337_000000422088_00415_42553_5486.N1	DC map used
GOM_TRA_1PNPDE20100420_202512_000000442088_00415_42553_5487.N1	DC map used
GOM_TRA_1PNPDE20100420_202728_000000482088_00415_42553_5488.N1	DC map used
GOM_TRA_1PNPDE20100420_203200_000000442088_00415_42553_5489.N1	DC map used
GOM_TRA_1PNPDE20100420_203329_000000462088_00415_42553_5490.N1	DC map used
GOM_TRA_1PNPDE20100420_203531_000000442088_00415_42553_5491.N1	DC map used
GOM_TRA_1PNPDE20100420_204209_000000382088_00415_42553_5492.N1	DC map used
GOM_TRA_1PNPDE20100420_204507_000000432088_00415_42553_5493.N1	DC map used
GOM_TRA_1PNPDE20100420_205007_000000382088_00415_42553_5494.N1	DC map used
GOM_TRA_1PNPDE20100420_205237_000000392088_00415_42553_5495.N1	DC map used
GOM_TRA_1PNPDE20100420_205410_000000412088_00415_42553_5496.N1	DC map used
GOM_TRA_1PNPDE20100420_210127_000000402088_00415_42553_5497.N1	DC map used
GOM_TRA_1PNPDE20100420_211139_000000412088_00415_42553_5498.N1	DC map used
GOM_TRA_1PNPDE20100420_212159_000000362088_00415_42553_5499.N1	DC map used

GOM_TRA_1PNPDE20100420_212928_000000552088_00415_42553_5500.N1	DC map used
GOM_TRA_1PNPDE20100420_213155_000000442088_00415_42553_5501.N1	DC map used

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



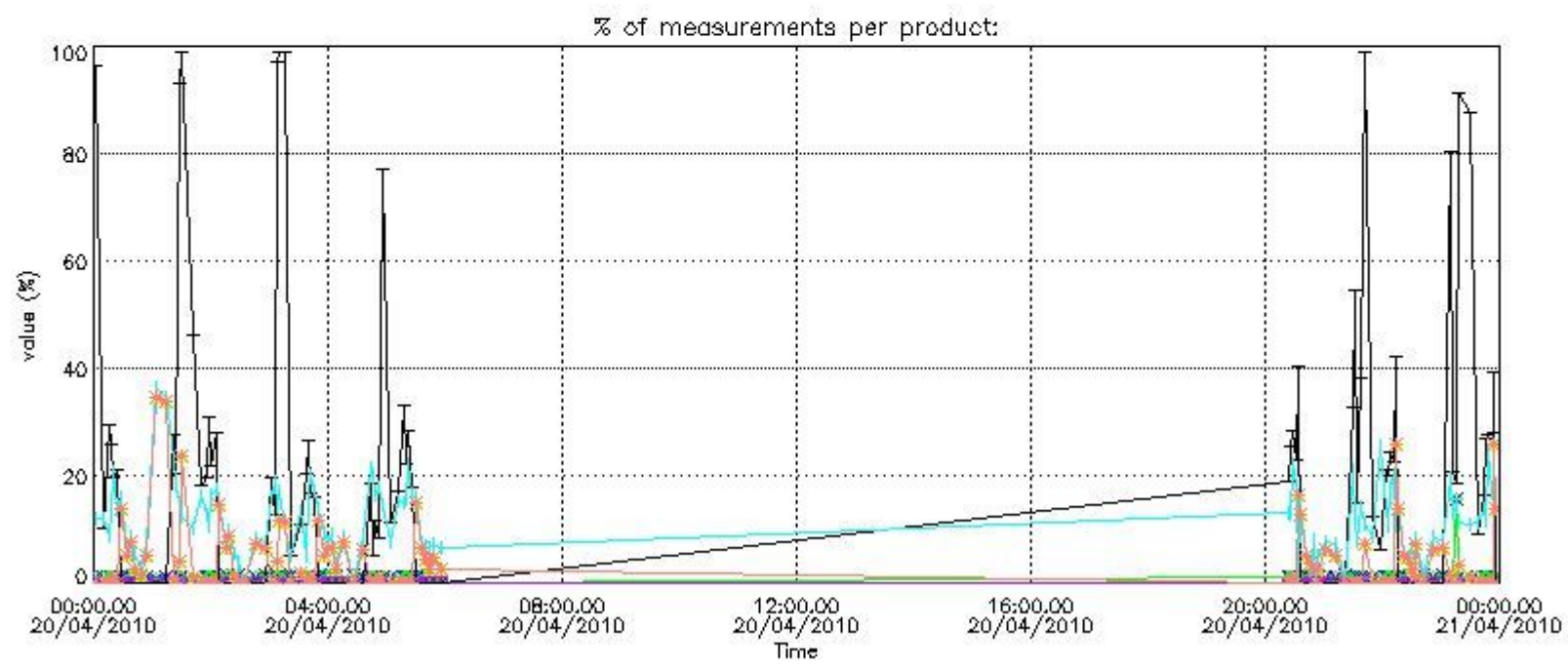
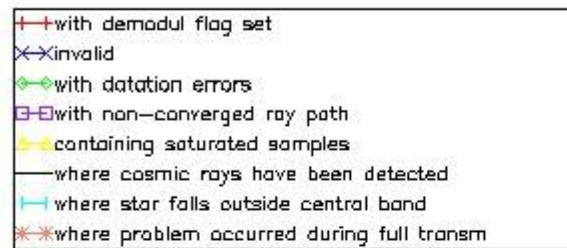
5. Demodulation flag and quality information monitoring

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.

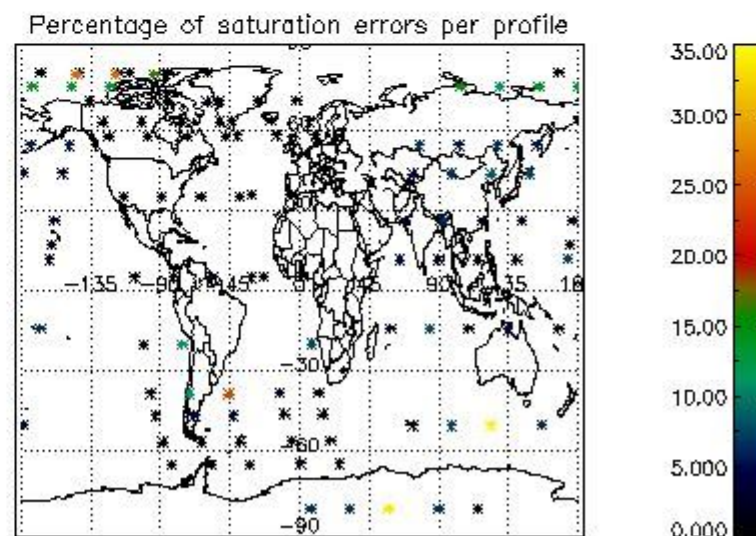
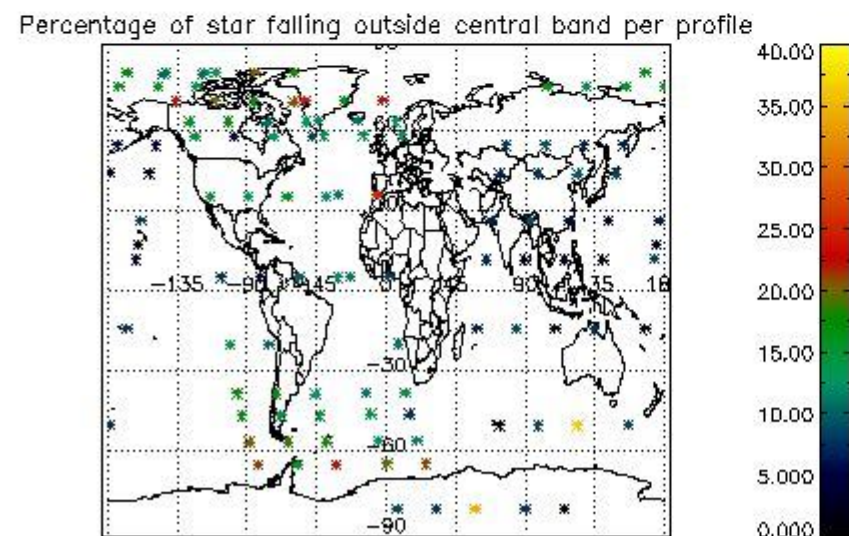
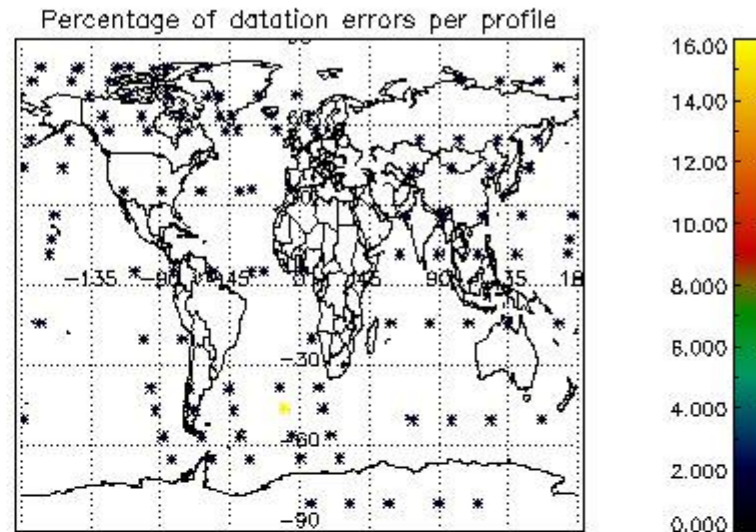
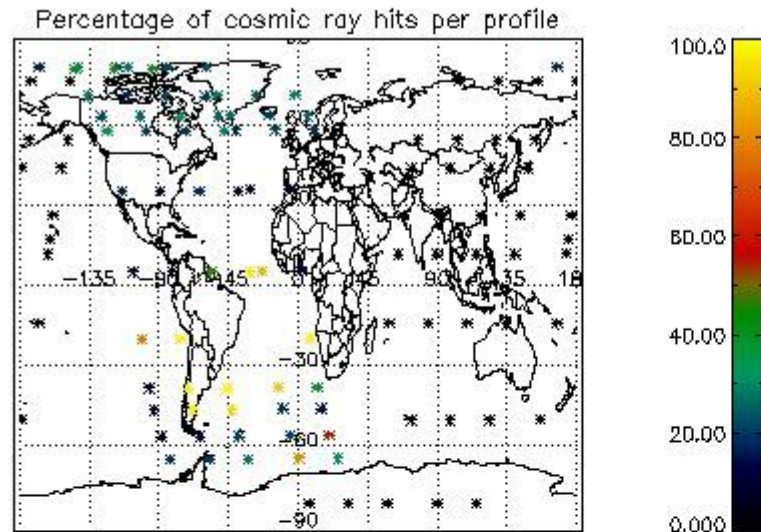
5.1 Percentage of products during reporting period with:

At least one measurement with demodulation flag set:	43.4783 %
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)



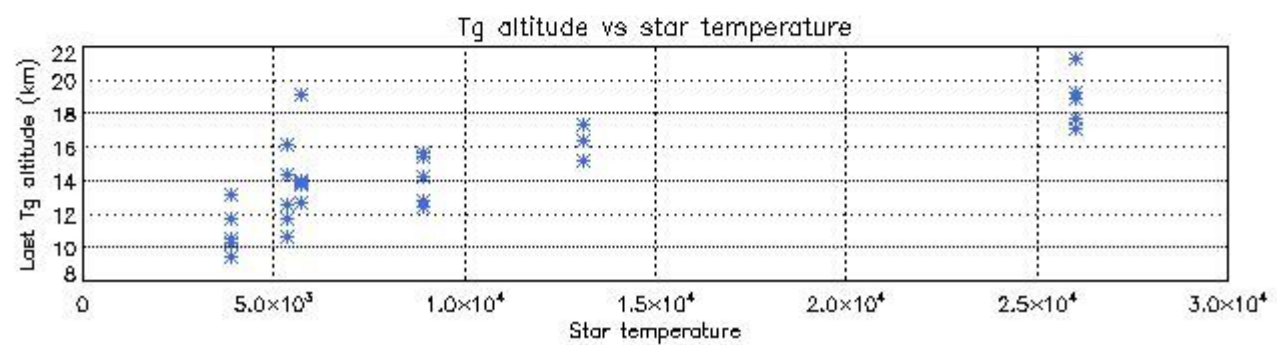
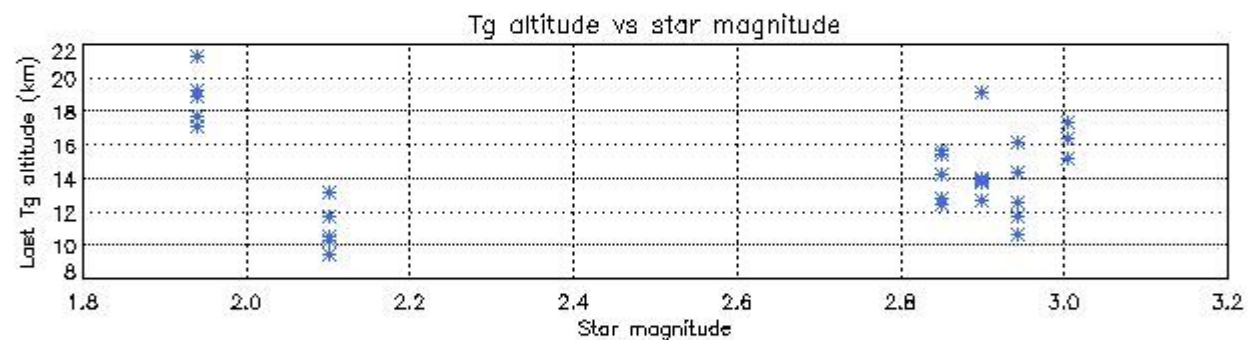
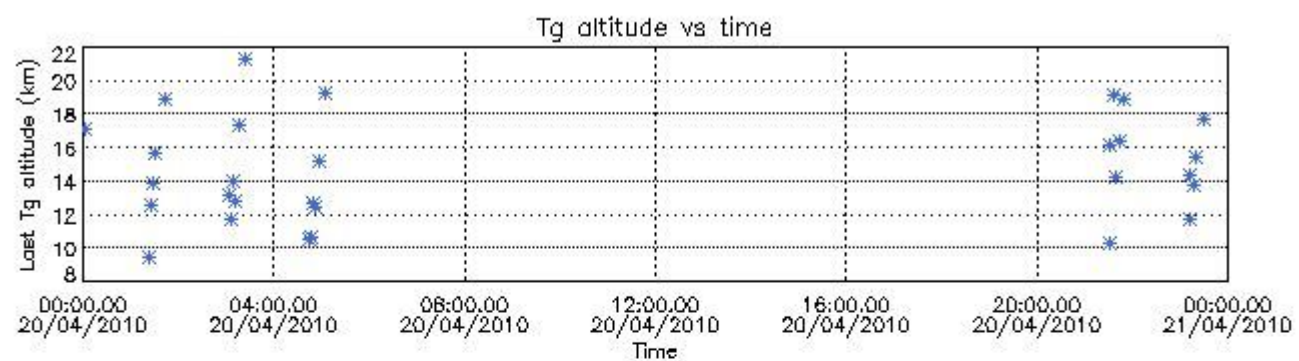
6. Statistics and plot of tangent altitude of the last measurement (DARK & BRIGHT products without errors)

6.1 Statistics on tangent altitude lost:

Statistics	DARK	BRIGHT	TWILIGHT
Mean:	14.693	19.665	NaN
St. deviation:	3.0968	5.3133	NaN
Maximum:	21.314	38.081	NaN
Minimum:	9.4478	3.5804	NaN
Number of data:	29.000	52.000	NaN

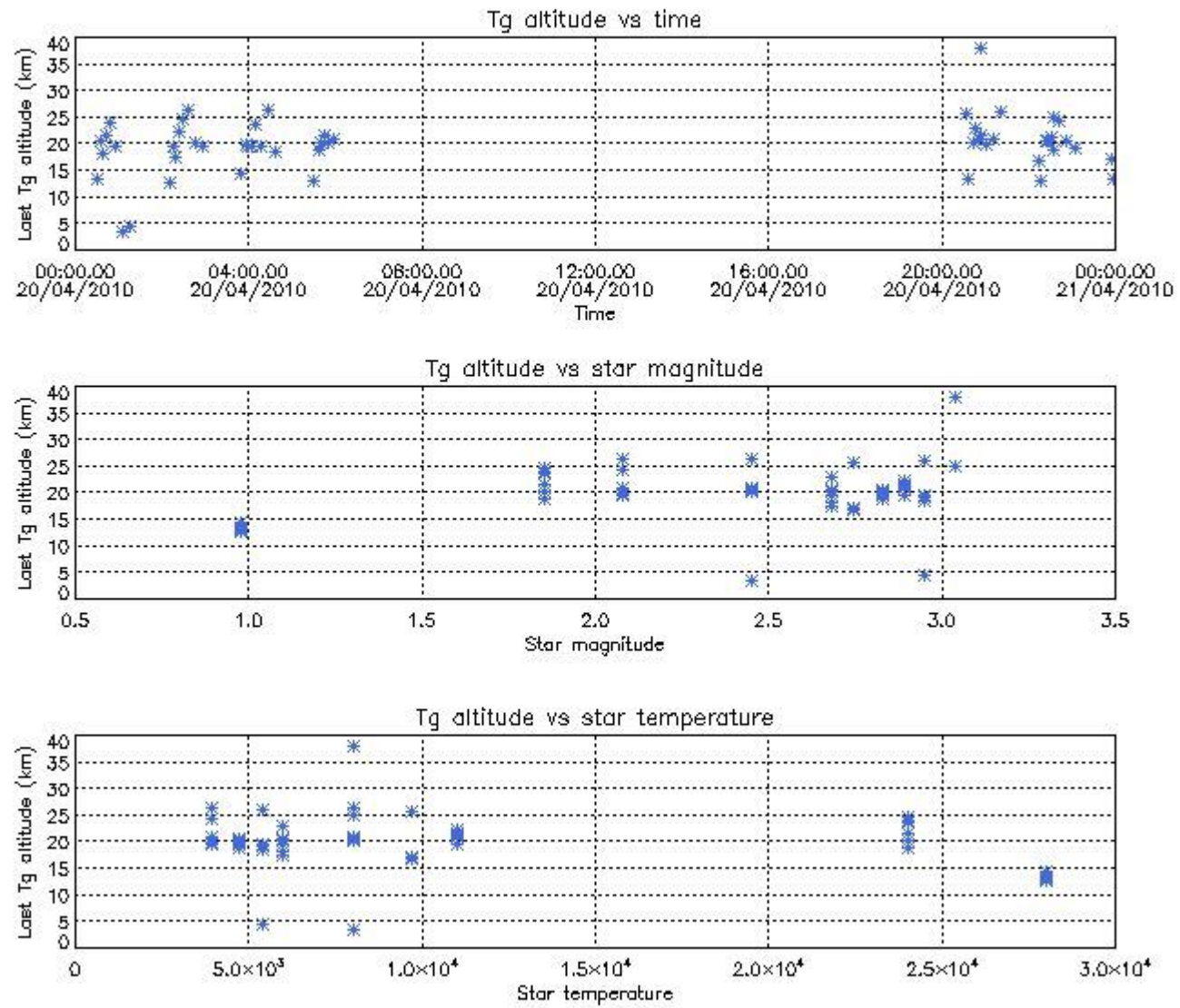
6.2 Plot for DARK limb products

Tangent altitude at which the star is lost



6.3 Plot for BRIGHT limb products

Tangent altitude at which the star is lost

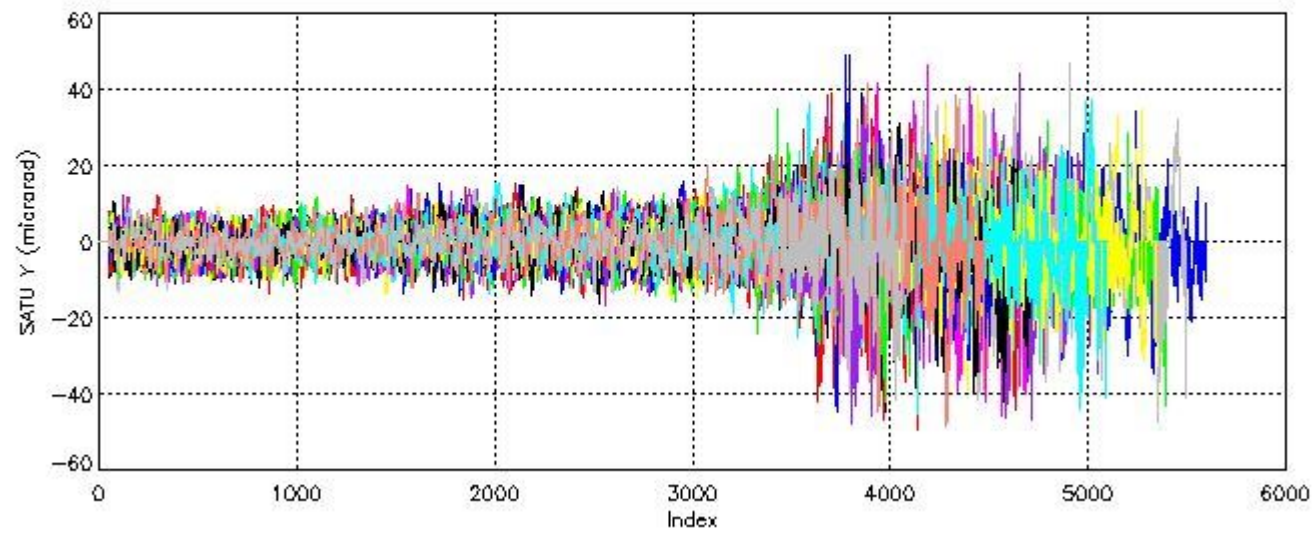
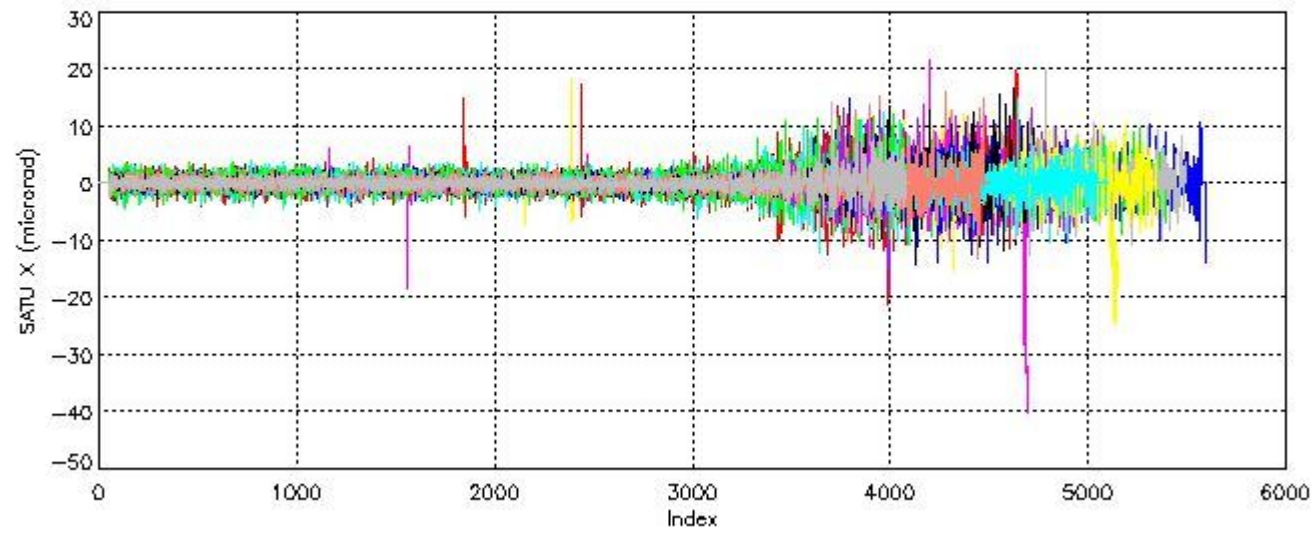


7. Star Acquisition and Tracking Unit (SATU)

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:	0.13807	-0.66351	0.22312	-0.64805
St. deviation:	0.69794	3.2356	0.85537	3.4837
Maximum:	4.0000	12.100	7.8000	19.200
Minimum:	-4.4000	-13.500	-6.4000	-16.600

Number of data:	29000.	29000.	50200.	50200.
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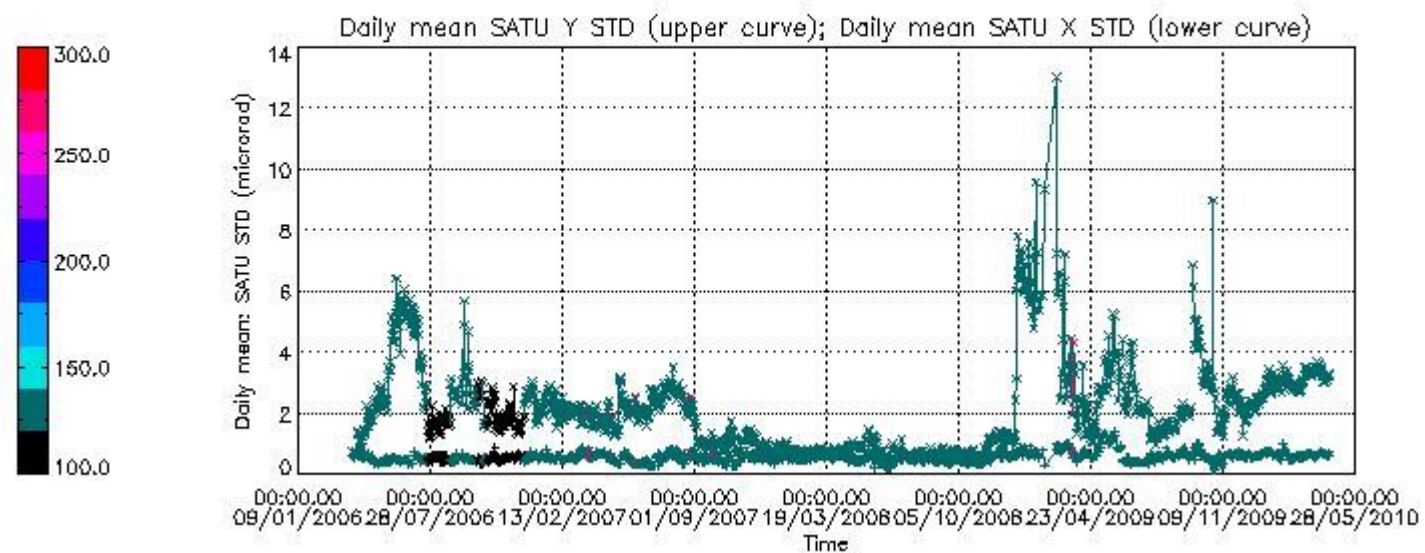
7.2.2 Trend of daily SATU NEA St. deviation since 1st April 2006 (dark limb)

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

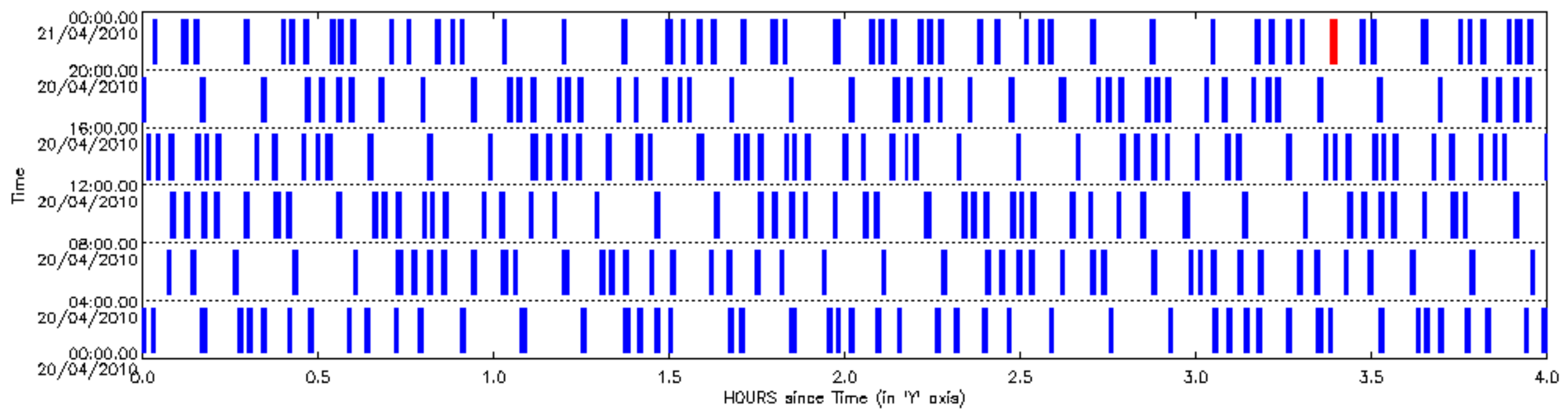
Lower curve: STD of SATU X axis

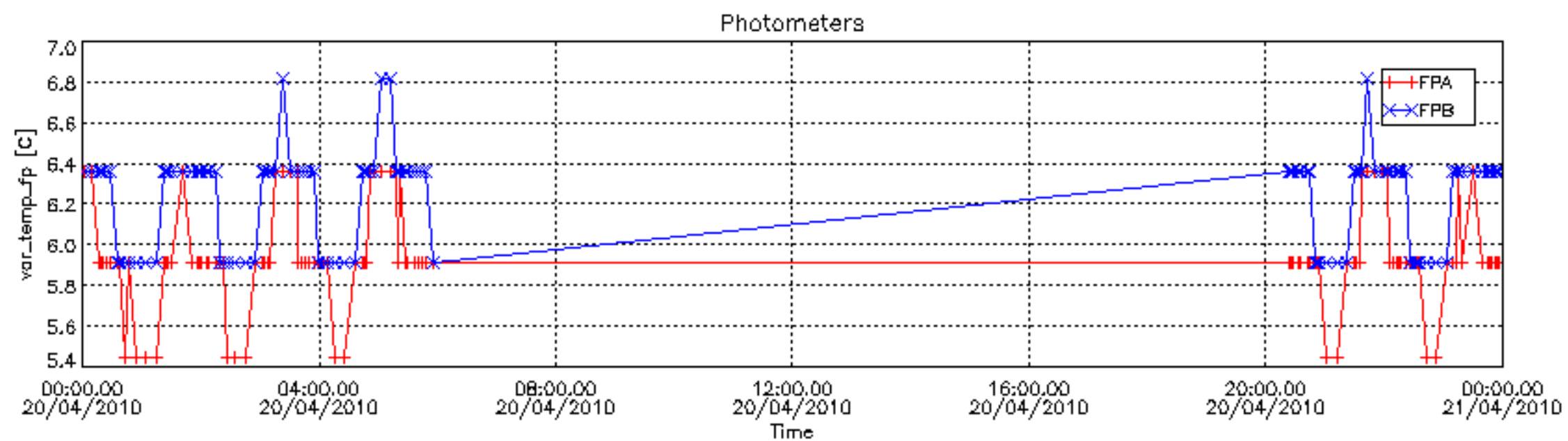
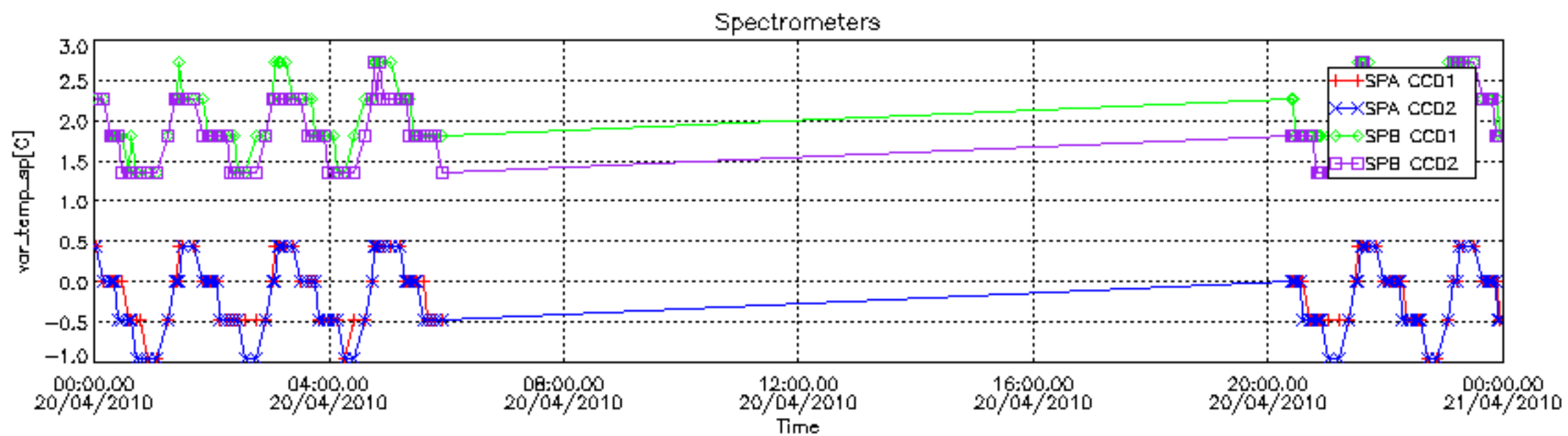


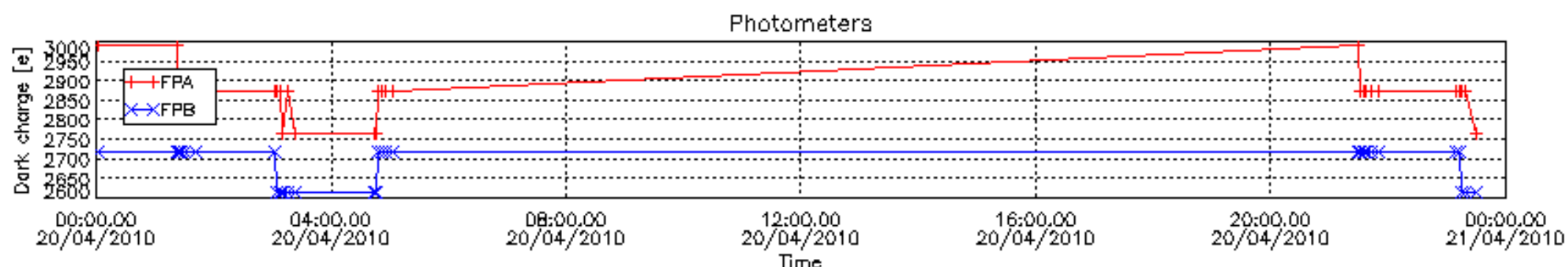
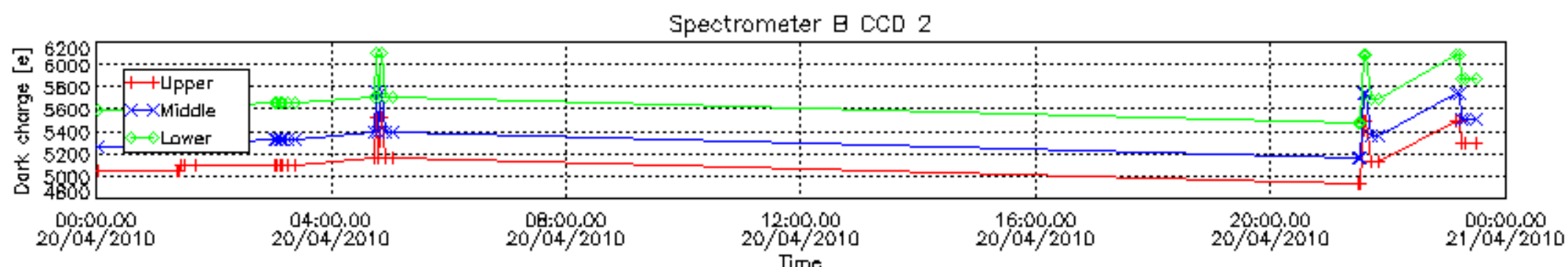
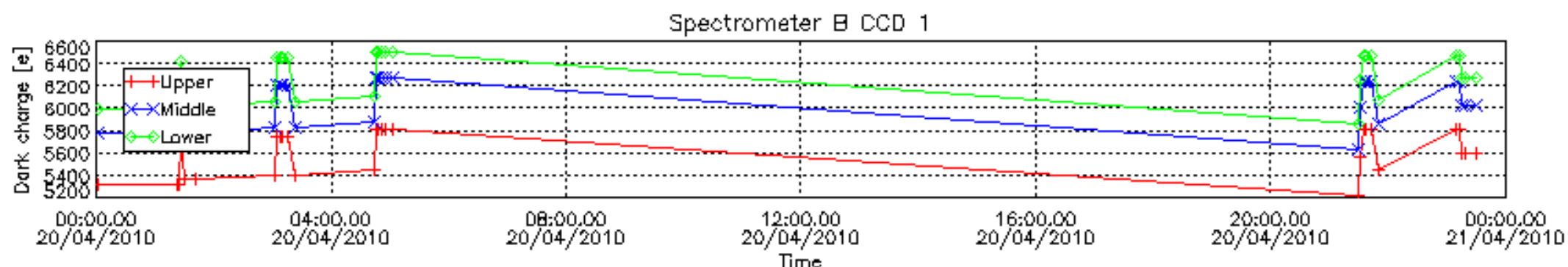
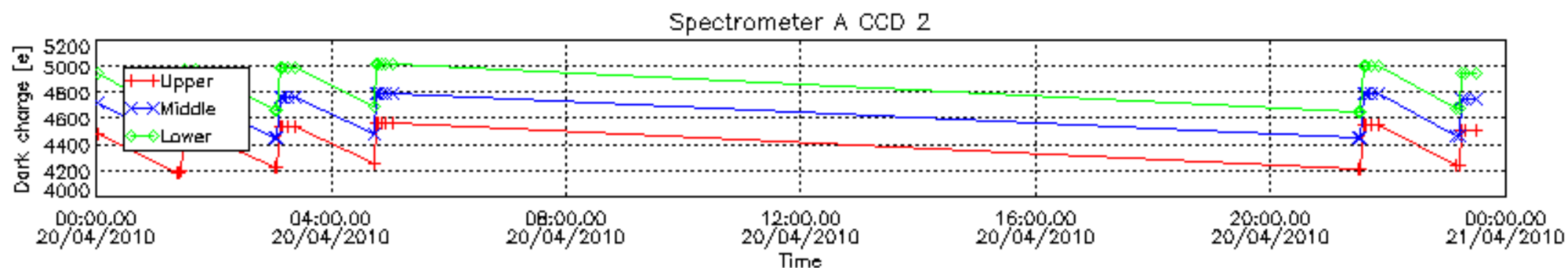
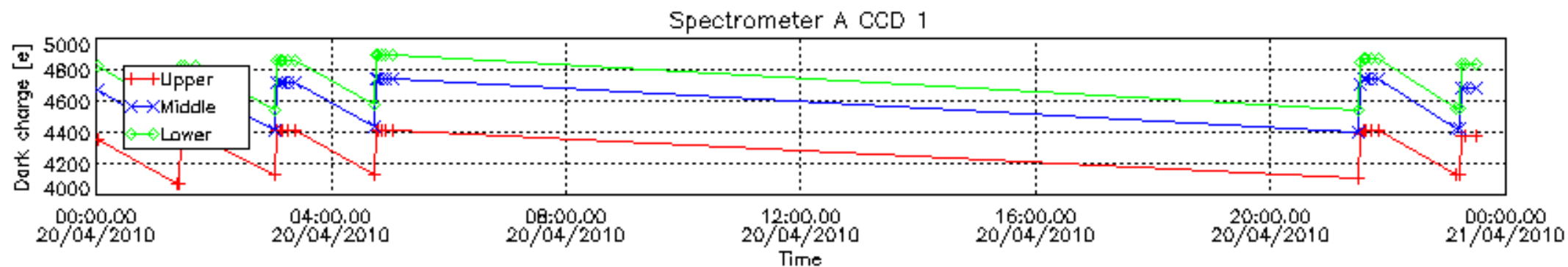
8. Auxiliary Data Files used for the production reported in section 2.4

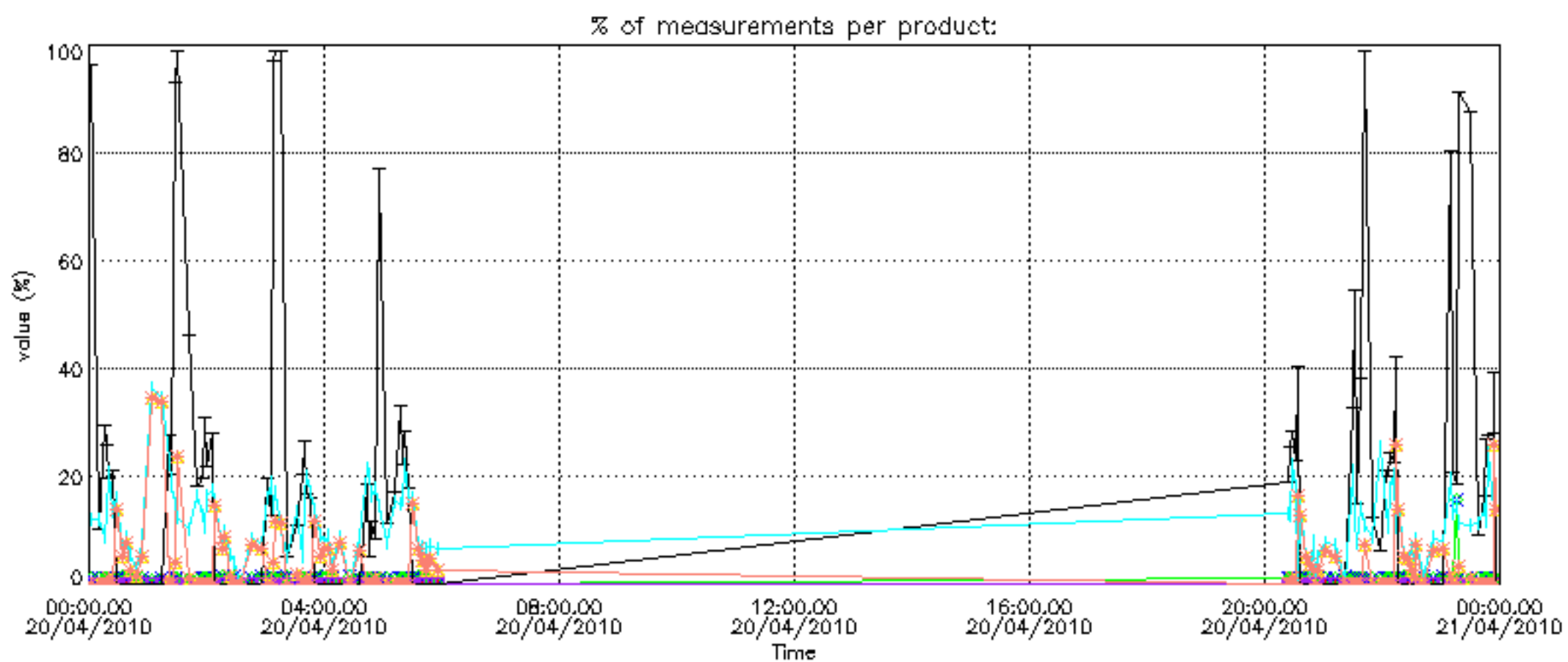
The number reported in the third column indicates since which file (see list in section 2.4) the corresponding auxiliary file has been used. The fourth column is the date of those product files.

Type	Auxiliary Filename	Used since product	Used since product date
INST_PHYS_CHARACTERISTICS	GOM_INS_AXVIEC20091111_143220_20030716_120000_20500101_000000	1	20-APR-2010 00:01:25
CALIBRATION_DATABASE	GOM_CAL_AXVIEC20100413_150709_20100411_000000_20500101_000000	1	20-APR-2010 00:01:25
LEVEL-1B_PROC_CONFIG	GOM_PR1_AXVIEC20091111_145255_20020301_000000_20500101_000000	1	20-APR-2010 00:01:25
STAR_CATALOGUE	GOM_CAT_AXVIEC20020121_161009_20020101_000000_20200101_000000	1	20-APR-2010 00:01:25
STELLAR_SPECTRA_DATABANK	GOM_STS_AXVIEC20091111_151504_20020101_160000_20500101_000000	1	20-APR-2010 00:01:25
ECMWF_FILE	AUX_ECF_AXNECM20100419_052119_20100419_210000_20100420_090000	1	20-APR-2010 00:01:25
ECMWF_FILE	AUX_ECF_AXNECM20100419_172119_20100420_030000_20100420_150000	50	20-APR-2010 04:25:42
ECMWF_FILE	AUX_ECF_AXNECM20100420_052117_20100420_150000_20100421_030000	69	20-APR-2010 20:23:37
ECMWF_FILE	AUX_ECF_AXNECM20100420_054116_20100420_210000_20100421_090000	85	20-APR-2010 21:34:50
OPTIONAL_ECMWF_FILE	MISSING	1	20-APR-2010 00:01:25
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20100419_234705_000054192088_00402_42540_0193.N1	1	20-APR-2010 00:01:25
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20100420_012244_000041442088_00403_42541_0194.N1	17	20-APR-2010 01:27:29
ORBIT_DATA_FILE	AUX_FPO_AXVPDS20100419_100119_20100418_192952_20100428_205604	31	20-APR-2010 02:45:06
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20100420_201945_000038252088_00415_42553_0197.N1	69	20-APR-2010 20:23:37
ORBIT_DATA_FILE	AUX_FPO_AXVPDS20100420_100117_20100419_185815_20100429_202427	85	20-APR-2010 21:34:50
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20100420_231505_000057382088_00416_42554_0199.N1	106	20-APR-2010 23:15:26

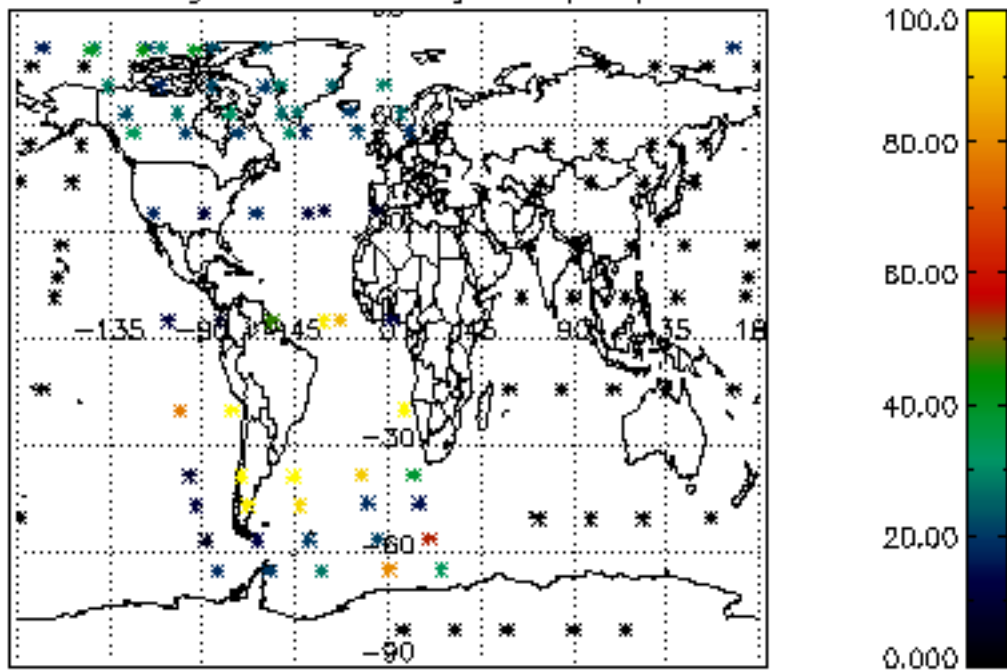




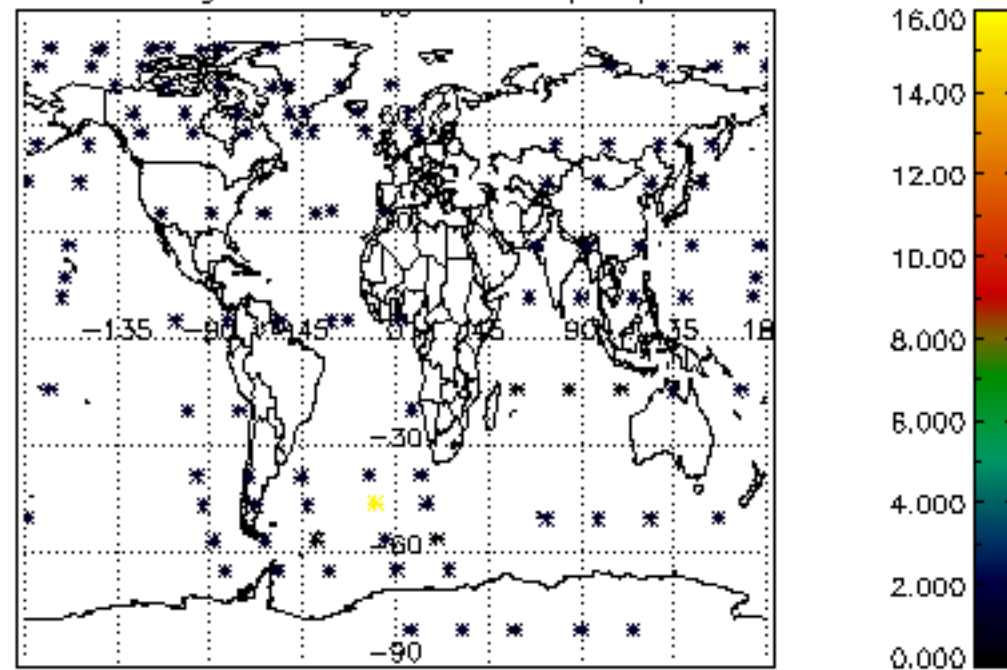




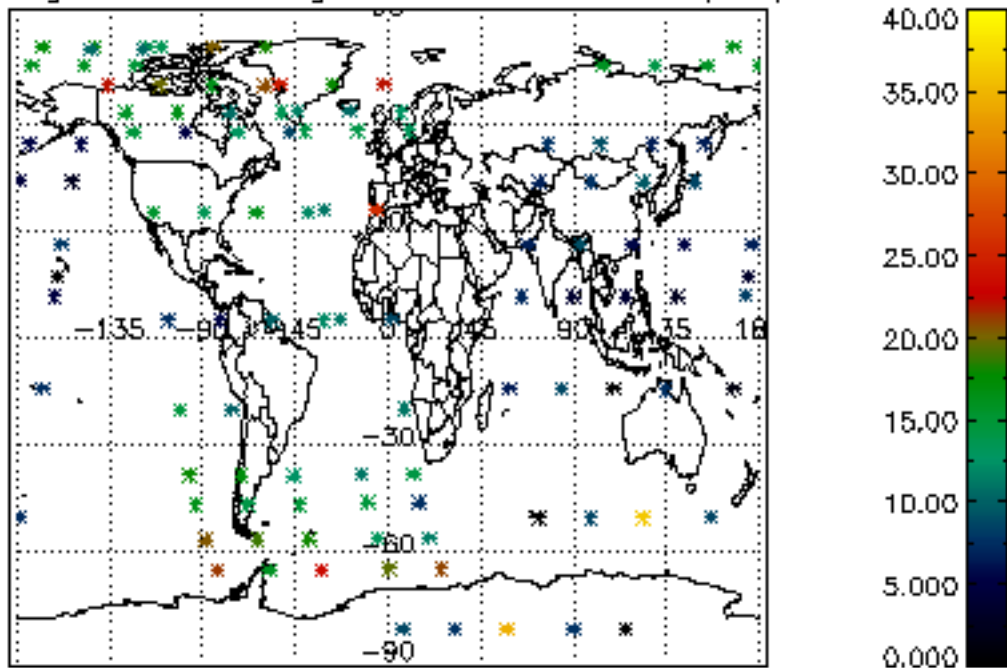
Percentage of cosmic ray hits per profile



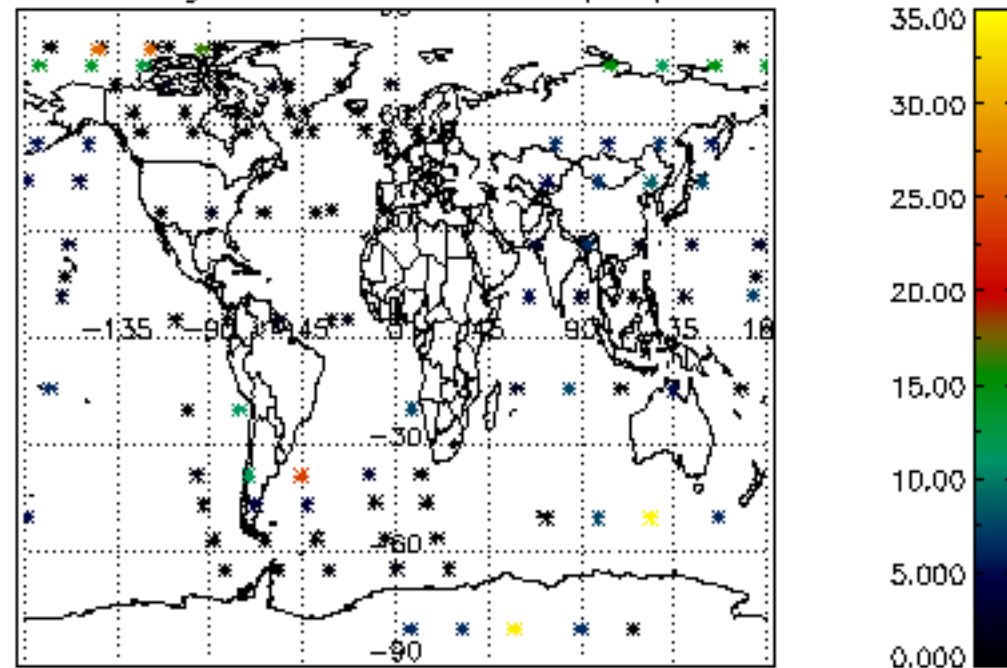
Percentage of datation errors per profile



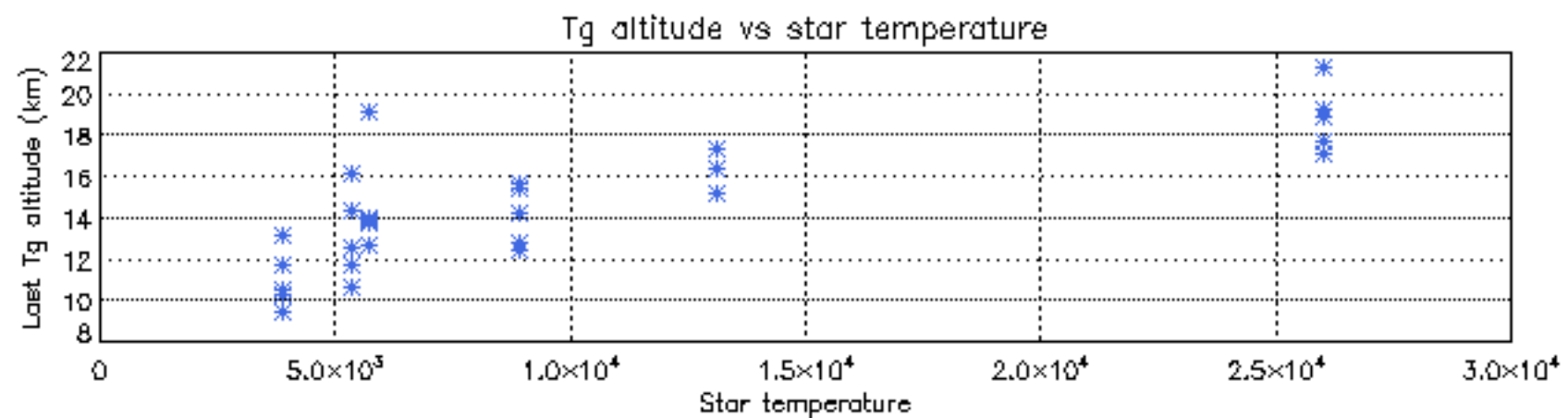
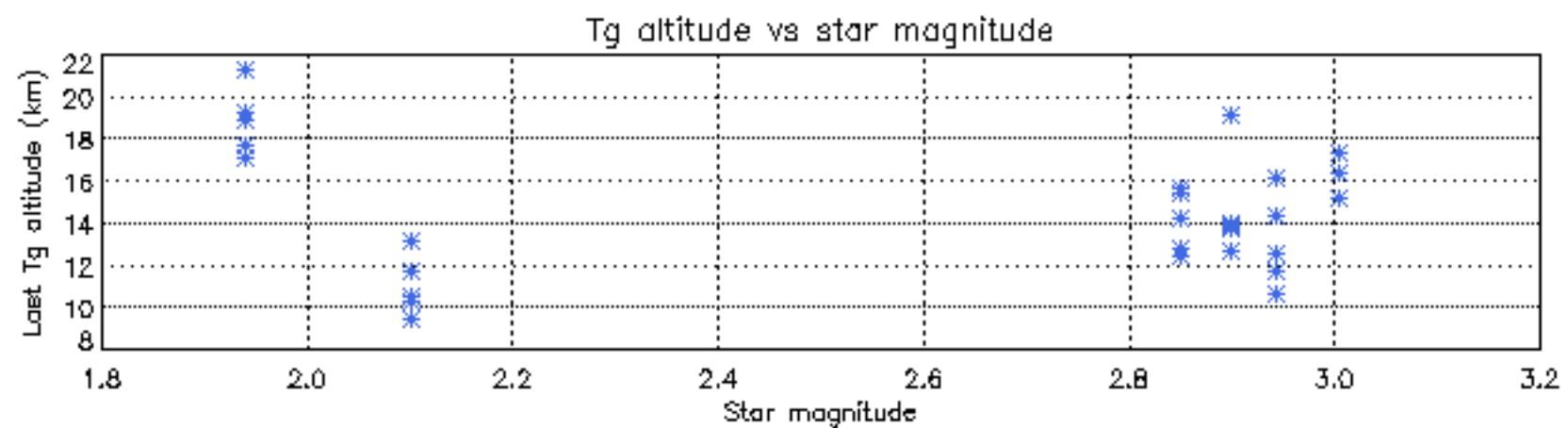
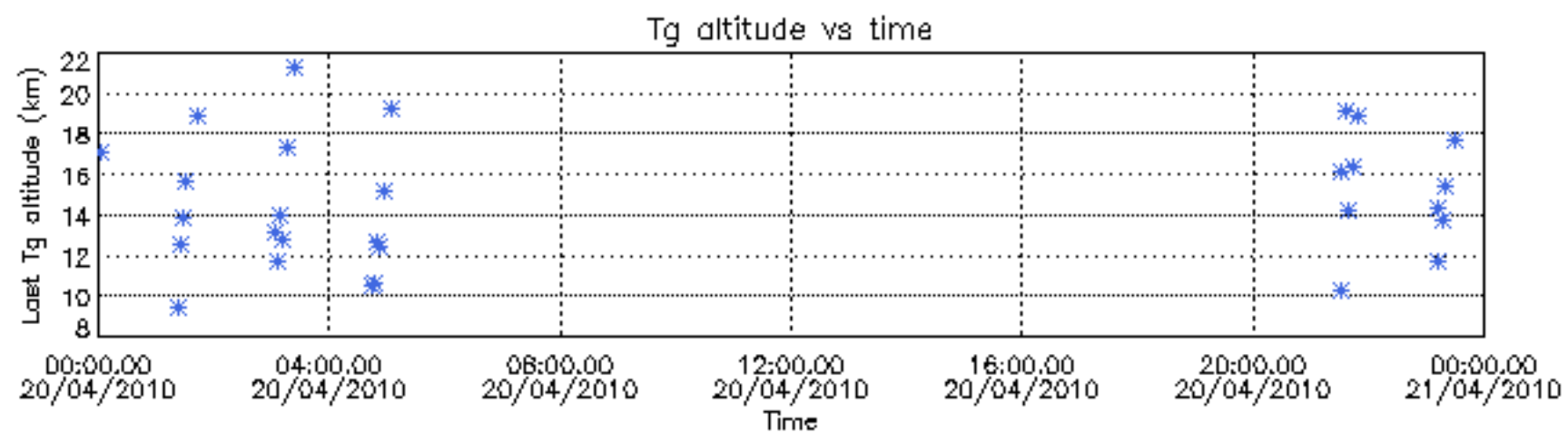
Percentage of star falling outside central band per profile



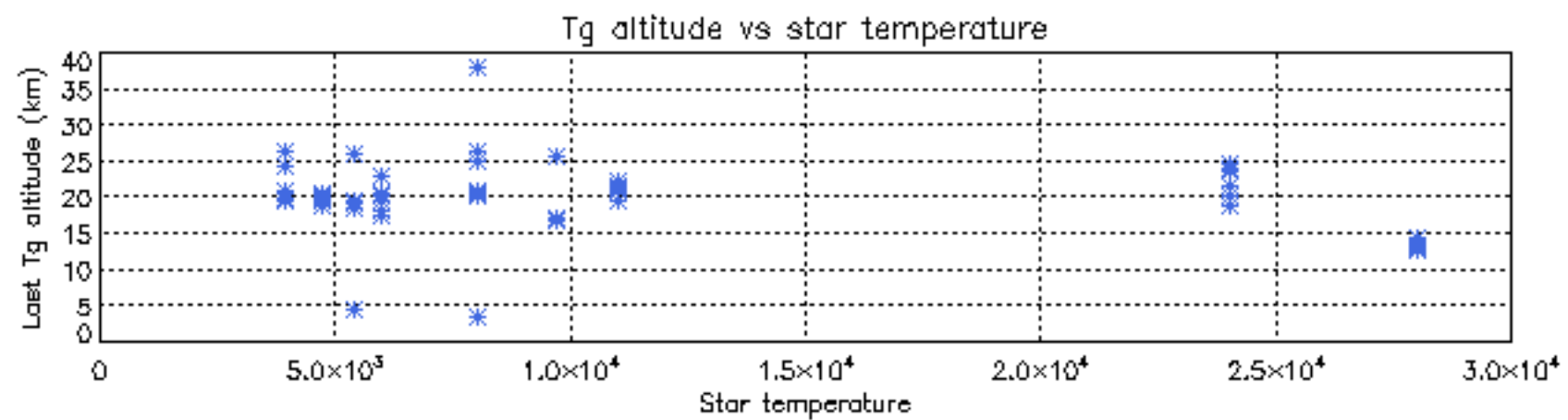
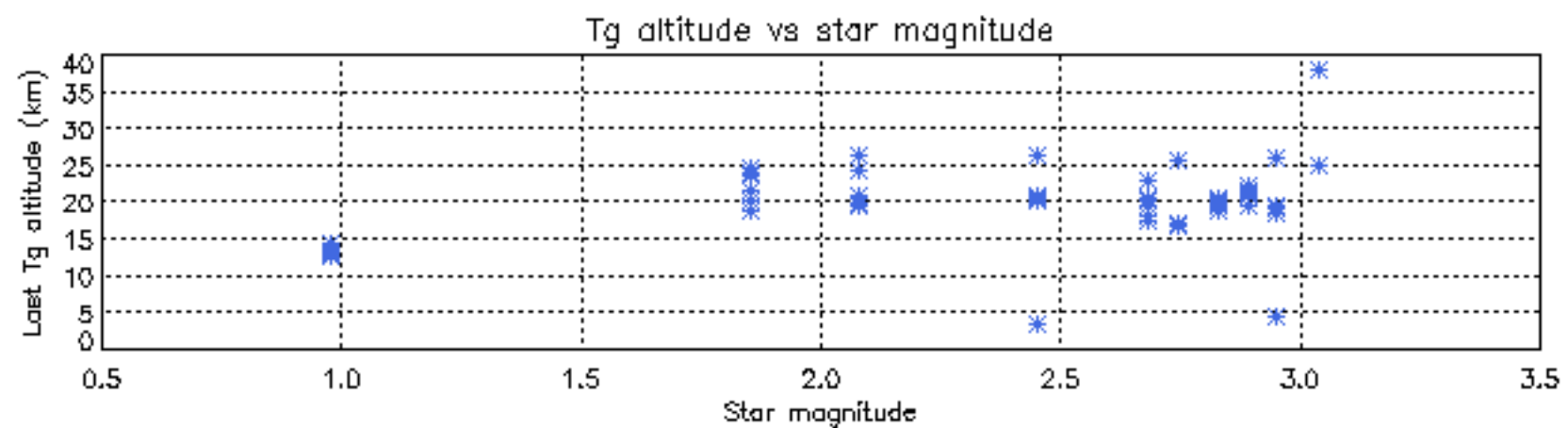
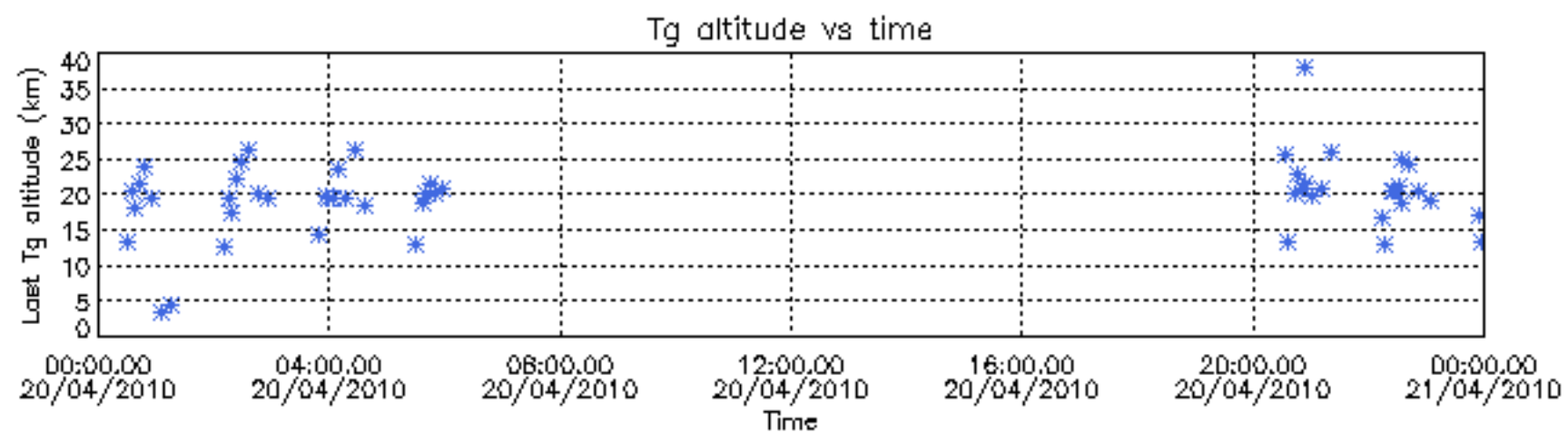
Percentage of saturation errors per profile

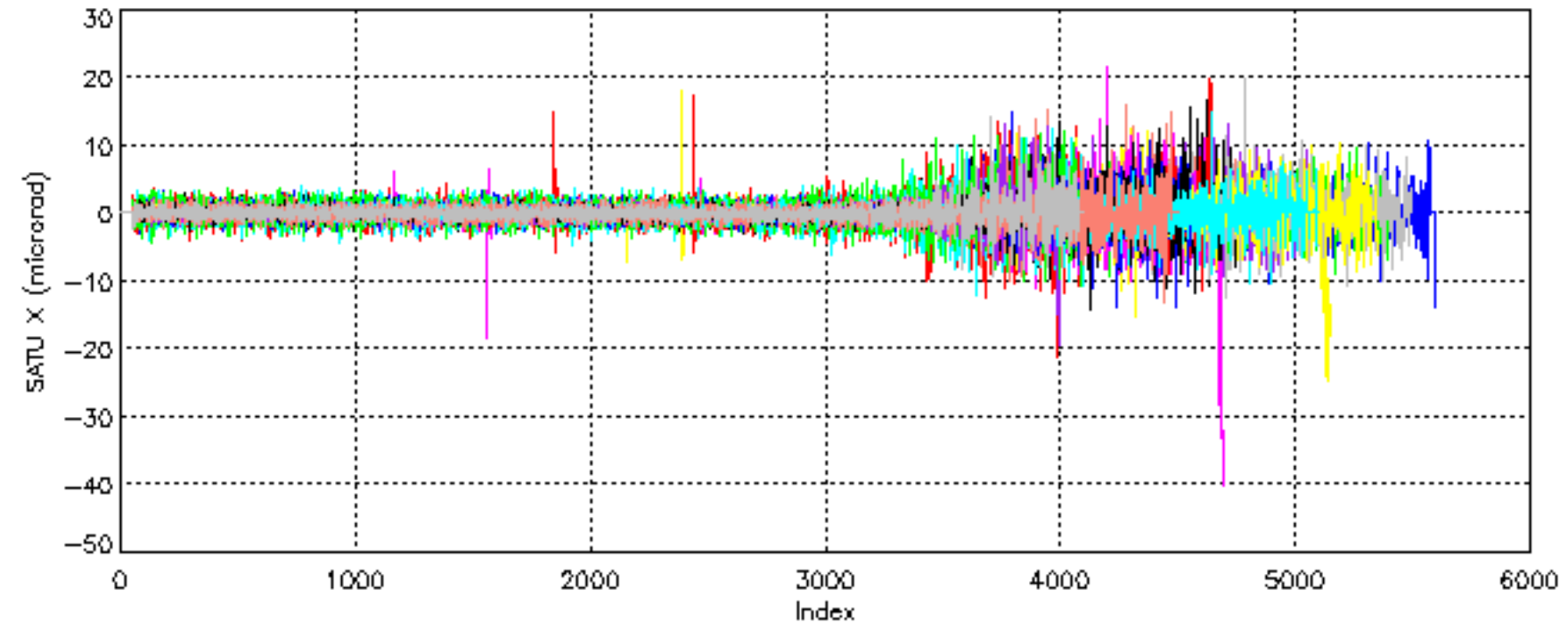


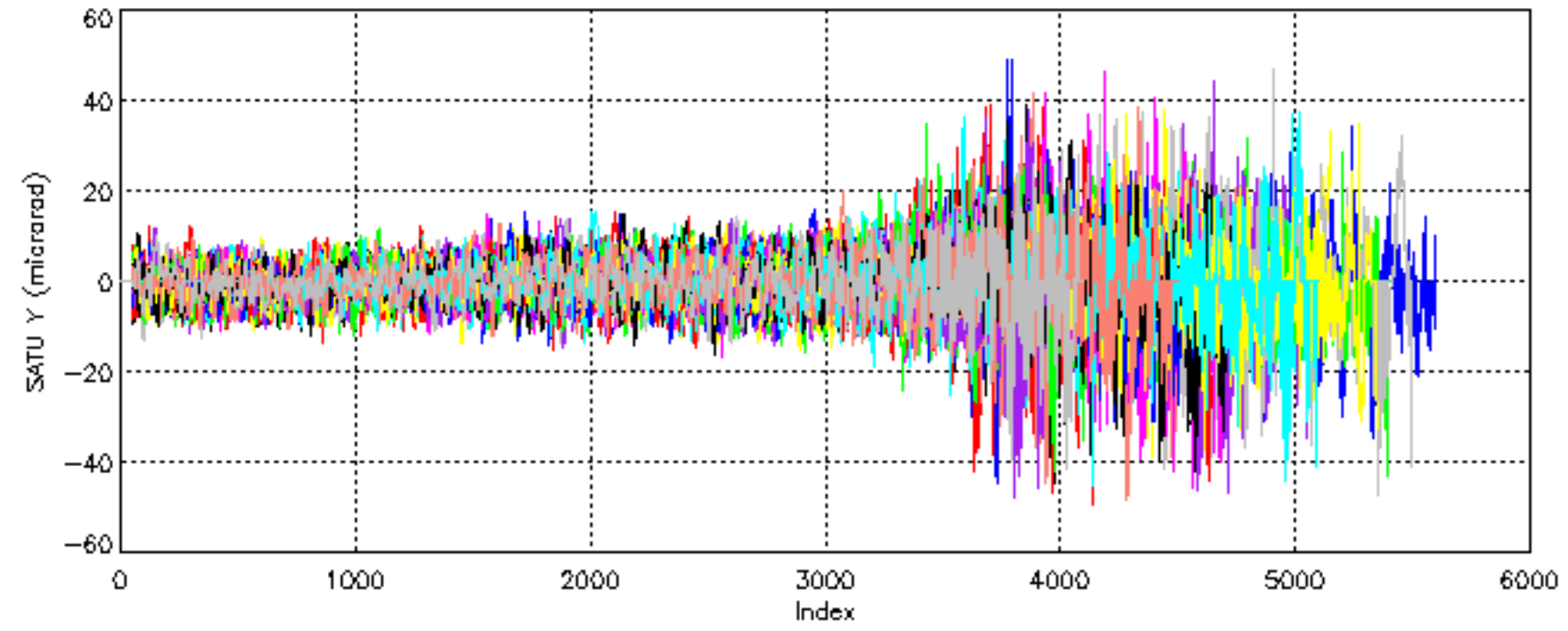
Tangent altitude at which the star is lost

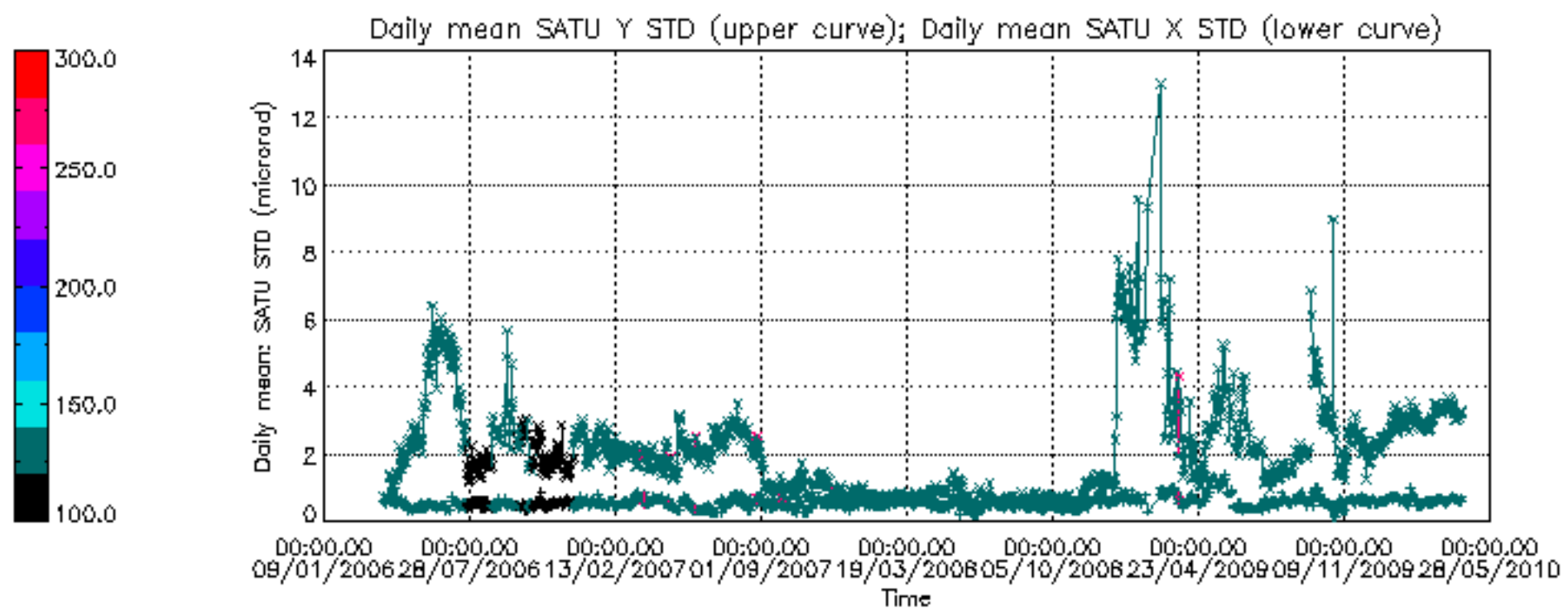


Tangent altitude at which the star is lost









/nas3/ENVISAT/GOMOS/GOM_NL__0P/GOM_NL__0PNPDE20100401_013233_000036912088_00131_42269_9779.N1

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
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 7; 934.5; 01-APR-2010 01:53:23; Dark ; 48.0; 81; Eta Cen ; 2.36; 28000;occ; 96; 0;42270
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 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
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 13; 2256.9; 01-APR-2010 02:15:25; Bright; 37.0; 96; 68Del Leo ; 2.56; 9300;occ; 74; 0;42270
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 16; 2958.0; 01-APR-2010 02:27:06; Bright; 35.5; 36; 50Alp UMa ; 1.80; 6300;occ; 71; 0;42270
 17; 3338.3; 01-APR-2010 02:33:26; Bright; 38.0; 60; 7Bet UMi ; 2.08; 3950;occ; 76; 0;42270

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 8; 294.5; 01-APR-2010 03:23:18; Dark ; 51.5; 40; The Sco ; 1.86; 7100;occ; 103; 0;42271
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 13; 1099.5; 01-APR-2010 03:36:44; Dark ; 53.0; 54; 5The Cen ; 2.06; 4500;occ; 106; 0;42271
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 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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 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
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 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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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
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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
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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
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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
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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
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15; 2665.8; 01-APR-2010 22:29:25; Bright; 36.5; 174; 52Psi UMa ; 3.00; 4400;occ; 73; 0;42282
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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
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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
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17; 2954.5; 02-APR-2010 00:14:50; Bright; 42.5; 32; 77Eps UMa ; 1.76; 11000;occ; 85; 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
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 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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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
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5; 73.1; 01-APR-2010 11:42:37; Dark ; 56.0; 38; 20Eps Sgr ; 1.84; 11000;occ; 112; 0;42276
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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
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9; 3901.8; 01-APR-2010 12:46:25; Bright; 38.0; 89; 5Alp Cep ; 2.45; 8000;occ; 76; 0;42276
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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
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8; 2957.4; 01-APR-2010 15:51:53; Bright; 37.5; 36; 50Alp UMa ; 1.80; 6300;occ; 75; 0;42278
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 21; 4838.6; 04-APR-2010 01:23:35; Dark ; 46.0; 61; 8Eps Peg ; 2.10; 3900;occ; 92; 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
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 18; 6568.2; 03-APR-2010 09:06:26; Dark ; 38.5; 134; Bet TrA ; 2.81; 6600;occ; 77; 0;42303
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 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
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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
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 7; 3899.9; 03-APR-2010 10:02:34; Bright; 50.0; 89; 5Alp Cep ; 2.45; 8000;occ; 100; 0;42303
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 13; 5749.1; 03-APR-2010 10:33:23; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;42303
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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
12; 4836.6; 03-APR-2010 13:39:22; Dark ; 46.5; 61; 8Eps Peg ; 2.10; 3900;occ; 93; 0;42305
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 3; 1687.6; 03-APR-2010 14:27:29; Dark ; 60.5; 15; 67Alp Vir ; 0.98; 28000;occ; 121; 0;42306
 4; 1879.6; 03-APR-2010 14:30:41; Bright; 43.0; 121; 29Gam Vir ; 2.74; 7200;occ; 86; 0;42306
 5; 2157.3; 03-APR-2010 14:35:19; Bright; 38.5; 62; 94Bet Leo ; 2.14; 9700;occ; 77; 0;42306
 6; 2659.4; 03-APR-2010 14:43:41; Bright; 42.0; 152; 12Alp2CVn ; 2.89; 11000;occ; 84; 0;42306
 7; 2840.5; 03-APR-2010 14:46:42; Bright; 37.5; 87; 64Gam UMa ; 2.43; 11000;occ; 75; 0;42306
 8; 2944.7; 03-APR-2010 14:48:26; Bright; 40.5; 32; 77Eps UMa ; 1.76; 11000;occ; 81; 0;42306
 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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 18; 6150.4; 03-APR-2010 15:41:52; Dark ; 53.5; 38; 20Eps Sgr ; 1.84; 11000;occ; 107; 0;42307
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 13; 4489.7; 22-APR-2010 21:59:25; Bright; 41.0; 164; 44Eta Peg ; 2.95; 5400;occ; 82; 0;42582
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 17; 4490.2; 23-APR-2010 01:20:37; Bright; 38.0; 164; 44Eta Peg ; 2.95; 5400;occ; 76; 0;42584
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21; 6631.3; 26-APR-2010 18:48:02; Dark ; 42.5; 141; Bet Ara ; 2.84; 4600;occ; 85; 0;42638
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13; 4498.5; 26-APR-2010 19:53:05; Bright; 58.0; 164; 44Eta Peg ; 2.95; 5400;occ; 116; 0;42638
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19; 5633.6; 26-APR-2010 20:12:01; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;42638
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22; 6632.0; 26-APR-2010 20:28:39; Dark ; 42.0; 141; Bet Ara ; 2.84; 4600;occ; 84; 0;42639
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6; 596.8; 26-APR-2010 22:09:16; Dark ; 46.5; 141; Bet Ara ; 2.84; 4600;occ; 93; 0;42640
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3; 1239.4; 26-APR-2010 20:39:22; Dark ; 45.0; 54; 5The Cen ; 2.06; 4500;occ; 90; 0;42639
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15; 4985.6; 26-APR-2010 21:41:48; Dark ; 64.0; 61; 8Eps Peg ; 2.10; 3900;occ; 128; 0;42639
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6; 1583.8; 26-APR-2010 22:25:43; Bright; 53.0; 122; 9Alp2Lib ; 2.75; 9700;occ; 106; 0;42640
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7; -574.4; 26-APR-2010 23:30:20; Dark ; 45.5; 142; 49Del Cap ; 2.85; 8900;occ; 91; 0;42640
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12; 4500.8; 27-APR-2010 21:02:07; Bright; 44.5; 164; 44Eta Peg ; 2.95; 5400;occ; 89; 0;42653
13; 4759.7; 27-APR-2010 21:06:25; Dark ; 43.5; 90; 54Alp Peg ; 2.49; 11000;occ; 87; 0;42653
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 23; 5348.4; 27-APR-2010 22:56:50; Dark ; 16.0; 154; 22Bet Aqr ; 2.90; 5700;occ; 32; 0;42654

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8; 2472.6; 29-APR-2010 00:58:29; Bright; 48.0; 83; ; 2.38; 11000;occ; 96; 0;42670
9; 2650.8; 29-APR-2010 01:01:27; Bright; 41.5; 180; 27Gam Boo ; 3.04; 8000;occ; 83; 0;42670
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 14; 4505.5; 29-APR-2010 21:39:34; Bright; 43.5; 164; 44Eta Peg ; 2.95; 5400;occ; 87; 0;42682

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 6; 3224.0; 29-APR-2010 11:14:36; Bright; 37.5; 60; 7Bet UMi ; 2.08; 3950;occ; 75; 0;42676
 7; 3835.4; 29-APR-2010 11:24:48; Bright; 43.0; 89; 5Alp Cep ; 2.45; 8000;occ; 86; 0;42676
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