

# GOMOS Daily Report 25-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	28APR2010 04:47:13
Data source version	GOMOS/5.00L04
Start time of products	25APR2010 00:06:45
Stop time of products	25APR2010 23:59:36
Store outputs in DB	Yes
Nb of level 1b prods	119
Nb of prods with errors	2

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

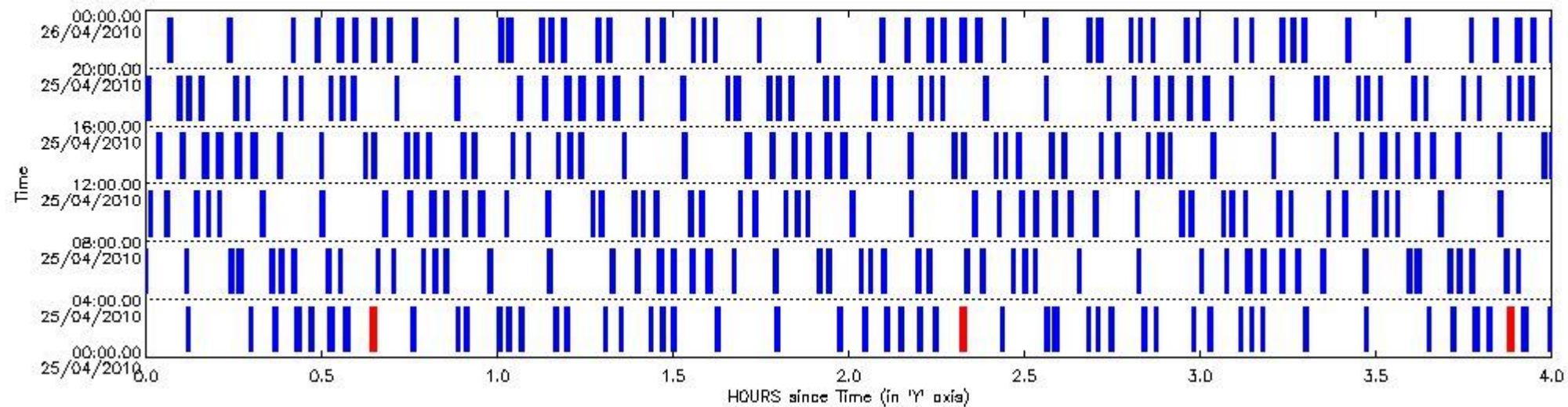
### 2.1 Level 0 products arrived in PCF (see template [here](#))

### 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
25-APR-2010 00:38:19	GamGru	172	42612
25-APR-2010 02:18:55	GamGru	172	42613
25-APR-2010 03:52:22	22BetAqr	154	42614

### 2.4 Summary of processed GOM\_TRA\_1P products

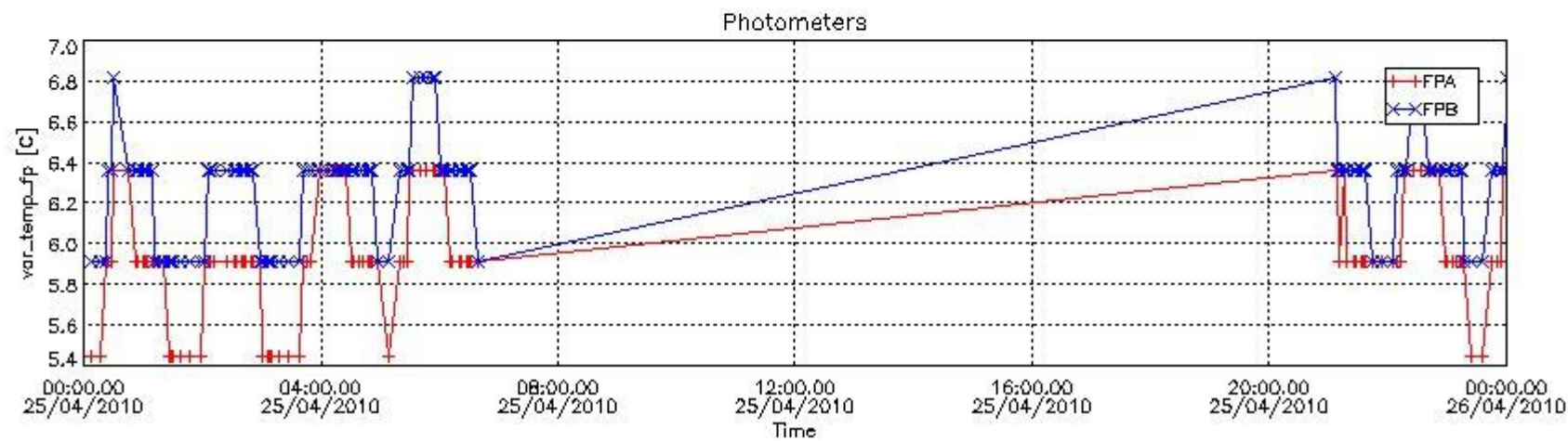
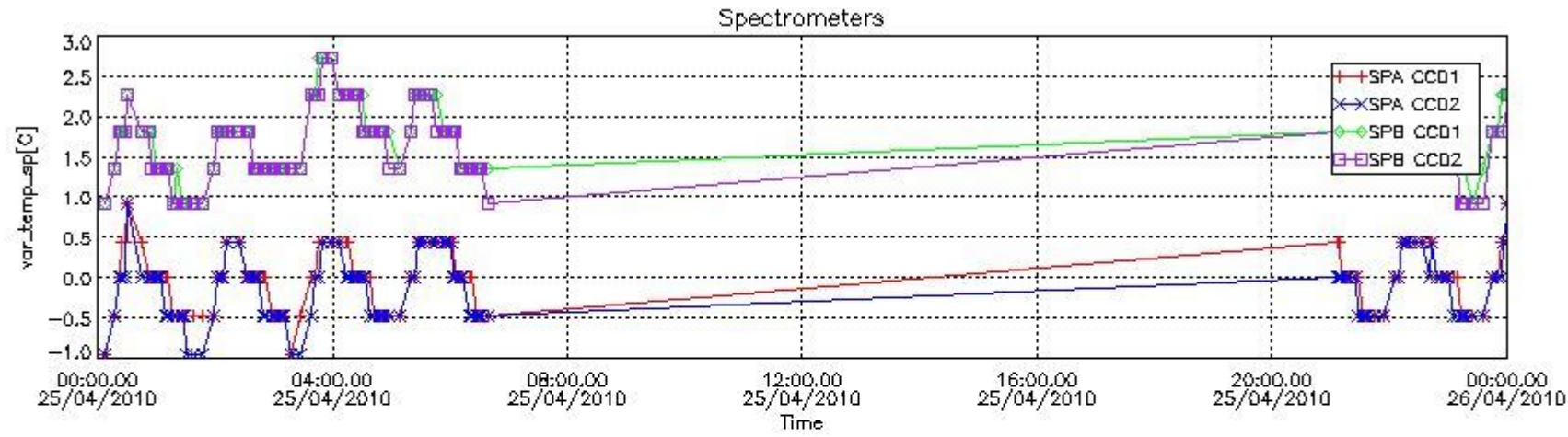
Nr	Filename	UTC Start time	Limb	Duration	Star Id	Star Name	Star Mag	Star Temp	Nb Meas	Orbit	Prod. error
1	GOM_TRA_1PNPDE20100425_000645_000000412088_00474_42612_6522.N1	25-APR-2010 00:06:45	Bright	40.500	89	5Alp Cep	2.4510	8000.0	81	42612	No
2	GOM_TRA_1PNPDE20100425_001727_000000422088_00474_42612_6523.N1	25-APR-2010 00:17:27	Bright	41.500	164	44Eta Peg	2.9480	5400.0	83	42612	No
3	GOM_TRA_1PNPDE20100425_002141_000000452088_00474_42612_6524.N1	25-APR-2010 00:21:41	Twilight	44.500	90	54Alp Peg	2.4870	11000.0	89	42612	No
4	GOM_TRA_1PNPDE20100425_002521_000000602088_00474_42612_6525.N1	25-APR-2010 00:25:21	Dark	59.500	61	8Eps Peg	2.1000	3900.0	119	42612	No
5	GOM_TRA_1PNPDE20100425_002748_000000502088_00474_42612_6526.N1	25-APR-2010 00:27:48	Dark	50.000	162	34Alp Aqr	2.9440	5350.0	100	42612	No
6	GOM_TRA_1PNPDE20100425_003059_000000552088_00474_42612_6530.N1	25-APR-2010 00:30:59	Dark	55.000	154	22Bet Aqr	2.8990	5700.0	110	42612	Yes
7	GOM_TRA_1PNPDE20100425_004514_000000422088_00475_42613_6531.N1	25-APR-2010 00:45:14	Dark	41.500	45	Alp Pav	1.9400	26000.0	83	42613	No
8	GOM_TRA_1PNPDE20100425_005248_000000422088_00475_42613_6532.N1	25-APR-2010 00:52:48	Straylight	41.500	141	Bet Ara	2.8400	4600.0	83	42613	No

9	GOM_TRA_1PNPDE20100425_005414_000000542088_00475_42613_6533.N1	25-APR-2010 00:54:14	Straylight	54.000	40	The Sco	1.8590	7100.0	108	42613	No
10	GOM_TRA_1PNPDE20100425_005956_000000422088_00475_42613_6534.N1	25-APR-2010 00:59:56	Straylight	41.500	78	Alp Lup	2.3040	28000.	83	42613	No
11	GOM_TRA_1PNPDE20100425_010129_000000422088_00475_42613_6535.N1	25-APR-2010 01:01:29	Straylight	42.000	81	Eta Cen	2.3560	28000.	84	42613	No
12	GOM_TRA_1PNPDE20100425_010341_000000492088_00475_42613_6536.N1	25-APR-2010 01:03:41	Straylight	48.500	54	5The Cen	2.0550	4500.0	97	42613	No
13	GOM_TRA_1PNPDE20100425_010930_000000512088_00475_42613_6537.N1	25-APR-2010 01:09:30	Bright	51.000	122	9Alp2Lib	2.7470	9700.0	102	42613	No
14	GOM_TRA_1PNPDE20100425_011131_000000422088_00475_42613_6538.N1	25-APR-2010 01:11:31	Bright	42.000	15	67Alp Vir	0.97600	28000.	84	42613	No
15	GOM_TRA_1PNPDE20100425_011802_000000372088_00475_42613_6539.N1	25-APR-2010 01:18:02	Bright	37.000	138	47Eps Vir	2.8280	4700.0	74	42613	No
16	GOM_TRA_1PNPDE20100425_012042_000000442088_00475_42613_6540.N1	25-APR-2010 01:20:42	Bright	44.000	111	8Eta Boo	2.6800	6000.0	88	42613	No
17	GOM_TRA_1PNPDE20100425_012553_000000372088_00475_42613_6541.N1	25-APR-2010 01:25:53	Bright	36.500	152	12Alp2CVn	2.8900	11000.	73	42613	No
18	GOM_TRA_1PNPDE20100425_012752_000000442088_00475_42613_6542.N1	25-APR-2010 01:27:52	Bright	44.000	180	27Gam Boo	3.0400	8000.0	88	42613	No
19	GOM_TRA_1PNPDE20100425_012944_000000402088_00475_42613_6543.N1	25-APR-2010 01:29:44	Bright	39.500	39	85Eta UMa	1.8540	24000.	79	42613	No
20	GOM_TRA_1PNPDE20100425_013707_000000512088_00475_42613_6544.N1	25-APR-2010 01:37:07	Bright	50.500	60	7Bet UMi	2.0810	3950.0	101	42613	No
21	GOM_TRA_1PNPDE20100425_014721_000000412088_00475_42613_6545.N1	25-APR-2010 01:47:21	Bright	41.000	89	5Alp Cep	2.4510	8000.0	82	42613	No
22	GOM_TRA_1PNPDE20100425_015803_000000412088_00475_42613_6546.N1	25-APR-2010 01:58:03	Bright	41.000	164	44Eta Peg	2.9480	5400.0	82	42613	No
23	GOM_TRA_1PNPDE20100425_020217_000000452088_00475_42613_6547.N1	25-APR-2010 02:02:17	Tw_i_and_stray	44.500	90	54Alp Peg	2.4870	11000.	89	42613	No
24	GOM_TRA_1PNPDE20100425_020557_000000612088_00475_42613_6548.N1	25-APR-2010 02:05:57	Dark	60.500	61	8Eps Peg	2.1000	3900.0	121	42613	No
25	GOM_TRA_1PNPDE20100425_020825_000000492088_00475_42613_6550.N1	25-APR-2010 02:08:25	Dark	49.000	162	34Alp Aqr	2.9440	5350.0	98	42613	No
26	GOM_TRA_1PNPDE20100425_021136_000000572088_00475_42613_6551.N1	25-APR-2010 02:11:36	Dark	57.000	154	22Bet Aqr	2.8990	5700.0	114	42613	No
27	GOM_TRA_1PNPDE20100425_022551_000000412088_00476_42614_6552.N1	25-APR-2010 02:25:51	Dark	40.500	45	Alp Pav	1.9400	26000.	81	42614	No
28	GOM_TRA_1PNPDE20100425_023324_000000452088_00476_42614_6553.N1	25-APR-2010 02:33:24	Straylight	44.500	141	Bet Ara	2.8400	4600.0	89	42614	No
29	GOM_TRA_1PNPDE20100425_023450_000000532088_00476_42614_6554.N1	25-APR-2010 02:34:50	Straylight	52.500	40	The Sco	1.8590	7100.0	105	42614	No
30	GOM_TRA_1PNPDE20100425_024032_000000392088_00476_42614_6555.N1	25-APR-2010 02:40:32	Straylight	38.500	78	Alp Lup	2.3040	28000.	77	42614	No
31	GOM_TRA_1PNPDE20100425_024206_000000432088_00476_42614_6556.N1	25-APR-2010 02:42:06	Straylight	42.500	81	Eta Cen	2.3560	28000.	85	42614	No
32	GOM_TRA_1PNPDE20100425_024417_000000462088_00476_42614_6557.N1	25-APR-2010 02:44:17	Straylight	46.000	54	5The Cen	2.0550	4500.0	92	42614	No
33	GOM_TRA_1PNPDE20100425_025006_000000502088_00476_42614_6558.N1	25-APR-2010 02:50:06	Bright	50.000	122	9Alp2Lib	2.7470	9700.0	100	42614	No
34	GOM_TRA_1PNPDE20100425_025207_000000412088_00476_42614_6559.N1	25-APR-2010 02:52:07	Bright	41.000	15	67Alp Vir	0.97600	28000.	82	42614	No
35	GOM_TRA_1PNPDE20100425_025837_000000372088_00476_42614_6560.N1	25-APR-2010 02:58:37	Bright	37.000	138	47Eps Vir	2.8280	4700.0	74	42614	No
36	GOM_TRA_1PNPDE20100425_030117_000000402088_00476_42614_6561.N1	25-APR-2010 03:01:17	Bright	40.000	111	8Eta Boo	2.6800	6000.0	80	42614	No
37	GOM_TRA_1PNPDE20100425_030629_000000362088_00476_42614_6562.N1	25-APR-2010 03:06:29	Bright	36.000	152	12Alp2CVn	2.8900	11000.	72	42614	No
38	GOM_TRA_1PNPDE20100425_030827_000000432088_00476_42614_6563.N1	25-APR-2010 03:08:27	Bright	42.500	180	27Gam Boo	3.0400	8000.0	85	42614	No
39	GOM_TRA_1PNPDE20100425_031019_000000402088_00476_42614_6564.N1	25-APR-2010 03:10:19	Bright	39.500	39	85Eta UMa	1.8540	24000.	79	42614	No
40	GOM_TRA_1PNPDE20100425_031743_000000412088_00476_42614_6565.N1	25-APR-2010 03:17:43	Bright	40.500	60	7Bet UMi	2.0810	3950.0	81	42614	No
41	GOM_TRA_1PNPDE20100425_032756_000000432088_00476_42614_6576.N1	25-APR-2010 03:27:56	Bright	43.000	89	5Alp Cep	2.4510	8000.0	86	42614	No
42	GOM_TRA_1PNPDE20100425_033839_000000432088_00476_42614_6577.N1	25-APR-2010 03:38:39	Bright	42.500	164	44Eta Peg	2.9480	5400.0	85	42614	No
43	GOM_TRA_1PNPDE20100425_034253_000000422088_00476_42614_6578.N1	25-APR-2010 03:42:53	Tw_i_and_stray	42.000	90	54Alp Peg	2.4870	11000.	84	42614	No
44	GOM_TRA_1PNPDE20100425_034634_000000582088_00476_42614_6579.N1	25-APR-2010 03:46:34	Dark	58.000	61	8Eps Peg	2.1000	3900.0	116	42614	No
45	GOM_TRA_1PNPDE20100425_034901_000000462088_00476_42614_6580.N1	25-APR-2010 03:49:01	Dark	46.000	162	34Alp Aqr	2.9440	5350.0	92	42614	No
46	GOM_TRA_1PNPDE20100425_035923_000000422088_00476_42614_6581.N1	25-APR-2010 03:59:23	Dark	41.500	172	Gam Gru	3.0030	13100.	83	42614	No
47	GOM_TRA_1PNPDE20100425_040627_000000422088_00477_42615_6582.N1	25-APR-2010 04:06:27	Dark	41.500	45	Alp Pav	1.9400	26000.	83	42615	No
48	GOM_TRA_1PNPDE20100425_041401_000000452088_00477_42615_6583.N1	25-APR-2010 04:14:01	Straylight	45.000	141	Bet Ara	2.8400	4600.0	90	42615	No
49	GOM_TRA_1PNPDE20100425_041528_000000602088_00477_42615_6584.N1	25-APR-2010 04:15:28	Straylight	60.000	40	The Sco	1.8590	7100.0	120	42615	No
50	GOM_TRA_1PNPDE20100425_042108_000000412088_00477_42615_6585.N1	25-APR-2010 04:21:08	Straylight	40.500	78	Alp Lup	2.3040	28000.	81	42615	No
51	GOM_TRA_1PNPDE20100425_042242_000000422088_00477_42615_6586.N1	25-APR-2010 04:22:42	Straylight	42.000	81	Eta Cen	2.3560	28000.	84	42615	No
52	GOM_TRA_1PNPDE20100425_042454_000000442088_00477_42615_6587.N1	25-APR-2010 04:24:54	Straylight	43.500	54	5The Cen	2.0550	4500.0	87	42615	No
53	GOM_TRA_1PNPDE20100425_043042_000000492088_00477_42615_6588.N1	25-APR-2010 04:30:42	Bright	49.000	122	9Alp2Lib	2.7470	9700.0	98	42615	No
54	GOM_TRA_1PNPDE20100425_043243_000000402088_00477_42615_6589.N1	25-APR-2010 04:32:43	Bright	40.000	15	67Alp Vir	0.97600	28000.	80	42615	No
55	GOM_TRA_1PNPDE20100425_043914_000000372088_00477_42615_6590.N1	25-APR-2010 04:39:14	Bright	36.500	138	47Eps Vir	2.8280	4700.0	73	42615	No
56	GOM_TRA_1PNPDE20100425_044153_000000422088_00477_42615_6591.N1	25-APR-2010 04:41:53	Bright	42.000	111	8Eta Boo	2.6800	6000.0	84	42615	No
57	GOM_TRA_1PNPDE20100425_044705_000000372088_00477_42615_6592.N1	25-APR-2010 04:47:05	Bright	36.500	152	12Alp2CVn	2.8900	11000.	73	42615	No
58	GOM_TRA_1PNPDE20100425_044902_000000462088_00477_42615_6593.N1	25-APR-2010 04:49:02	Bright	46.000	180	27Gam Boo	3.0400	8000.0	92	42615	No
59	GOM_TRA_1PNPDE20100425_045055_000000422088_00477_42615_6594.N1	25-APR-2010 04:50:55	Bright	41.500	39	85Eta UMa	1.8540	24000.	83	42615	No
60	GOM_TRA_1PNPDE20100425_045819_000000412088_00477_42615_6595.N1	25-APR-2010 04:58:19	Bright	40.500	60	7Bet UMi	2.0810	3950.0	81	42615	No
61	GOM_TRA_1PNPDE20100425_050832_000000432088_00477_42615_6596.N1	25-APR-2010 05:08:32	Bright	43.000	89	5Alp Cep	2.4510	8000.0	86	42615	No
62	GOM_TRA_1PNPDE20100425_051916_000000402088_00477_42615_6597.N1	25-APR-2010 05:19:16	Bright	39.500	164	44Eta Peg	2.9480	5400.0	79	42615	No
63	GOM_TRA_1PNPDE20100425_052330_000000432088_00477_42615_6598.N1	25-APR-2010 05:23:30	Tw_i_and_stray	43.000	90	54Alp Peg	2.4870	11000.	86	42615	No
64	GOM_TRA_1PNPDE20100425_052710_000000602088_00477_42615_6599.N1	25-APR-2010 05:27:10	Dark	59.500	61	8Eps Peg	2.1000	3900.0	119	42615	No
65	GOM_TRA_1PNPDE20100425_052938_000000492088_00477_42615_6600.N1	25-APR-2010 05:29:38	Dark	49.000	162	34Alp Aqr	2.9440	5350.0	98	42615	No
66	GOM_TRA_1PNPDE20100425_053250_000000562088_00477_42615_6601.N1	25-APR-2010 05:32:50	Dark	56.000	154	22Bet Aqr	2.8990	5700.0	112	42615	No
67	GOM_TRA_1PNPDE20100425_053959_000000412088_00477_42615_6602.N1	25-APR-2010 05:39:59	Dark	41.000	172	Gam Gru	3.0030	13100.	82	42615	No

68	GOM_TRA_1PNPDE20100425_054704_000000402088_00478_42616_6603.N1	25-APR-2010 05:47:04	Dark	40.000	45	Alp Pav	1.9400	26000.	80	42616	No
69	GOM_TRA_1PNPDE20100425_055437_000000442088_00478_42616_6604.N1	25-APR-2010 05:54:37	Straylight	43.500	141	Bet Ara	2.8400	4600.0	87	42616	No
70	GOM_TRA_1PNPDE20100425_055605_000000562088_00478_42616_6605.N1	25-APR-2010 05:56:05	Straylight	56.000	40	The Sco	1.8590	7100.0	112	42616	No
71	GOM_TRA_1PNPDE20100425_060145_000000422088_00478_42616_6606.N1	25-APR-2010 06:01:45	Straylight	42.000	78	Alp Lup	2.3040	28000.	84	42616	No
72	GOM_TRA_1PNPDE20100425_060319_000000432088_00478_42616_6607.N1	25-APR-2010 06:03:19	Straylight	42.500	81	Eta Cen	2.3560	28000.	85	42616	No
73	GOM_TRA_1PNPDE20100425_060530_000000472088_00478_42616_6608.N1	25-APR-2010 06:05:30	Straylight	46.500	54	5The Cen	2.0550	4500.0	93	42616	No
74	GOM_TRA_1PNPDE20100425_061118_000000502088_00478_42616_6609.N1	25-APR-2010 06:11:18	Bright	49.500	122	9Alp2Lib	2.7470	9700.0	99	42616	No
75	GOM_TRA_1PNPDE20100425_061319_000000412088_00478_42616_6610.N1	25-APR-2010 06:13:19	Bright	40.500	15	67Alp Vir	0.97600	28000.	81	42616	No
76	GOM_TRA_1PNPDE20100425_061949_000000372088_00478_42616_6611.N1	25-APR-2010 06:19:49	Bright	36.500	138	47Eps Vir	2.8280	4700.0	73	42616	No
77	GOM_TRA_1PNPDE20100425_062229_000000412088_00478_42616_6612.N1	25-APR-2010 06:22:29	Bright	40.500	111	8Eta Boo	2.6800	6000.0	81	42616	No
78	GOM_TRA_1PNPDE20100425_062741_000000342088_00478_42616_6613.N1	25-APR-2010 06:27:41	Bright	34.000	152	12Alp2CVn	2.8900	11000.	68	42616	No
79	GOM_TRA_1PNPDE20100425_062938_000000452088_00478_42616_6614.N1	25-APR-2010 06:29:38	Bright	44.500	180	27Gam Boo	3.0400	8000.0	89	42616	No
80	GOM_TRA_1PNPDE20100425_063130_000000412088_00478_42616_6615.N1	25-APR-2010 06:31:30	Bright	40.500	39	85Eta UMa	1.8540	24000.	81	42616	No
81	GOM_TRA_1PNPDE20100425_063854_000000402088_00478_42616_6616.N1	25-APR-2010 06:38:54	Bright	40.000	60	7Bet UMi	2.0810	3950.0	80	42616	No
82	GOM_TRA_1PNPDE20100425_210711_000000442088_00487_42625_6725.N1	25-APR-2010 21:07:11	Straylight	43.500	78	Alp Lup	2.3040	28000.	87	42625	No
83	GOM_TRA_1PNPDE20100425_210845_000000432088_00487_42625_6726.N1	25-APR-2010 21:08:45	Straylight	43.000	81	Eta Cen	2.3560	28000.	86	42625	No
84	GOM_TRA_1PNPDE20100425_211056_000000462088_00487_42625_6727.N1	25-APR-2010 21:10:56	Straylight	45.500	54	5The Cen	2.0550	4500.0	91	42625	No
85	GOM_TRA_1PNPDE20100425_211642_000000492088_00487_42625_6728.N1	25-APR-2010 21:16:42	Bright	49.000	122	9Alp2Lib	2.7470	9700.0	98	42625	No
86	GOM_TRA_1PNPDE20100425_211843_000000422088_00487_42625_6729.N1	25-APR-2010 21:18:43	Bright	41.500	15	67Alp Vir	0.97600	28000.	83	42625	No
87	GOM_TRA_1PNPDE20100425_212513_000000372088_00487_42625_6730.N1	25-APR-2010 21:25:13	Bright	36.500	138	47Eps Vir	2.8280	4700.0	73	42625	No
88	GOM_TRA_1PNPDE20100425_212750_000000402088_00487_42625_6731.N1	25-APR-2010 21:27:50	Bright	40.000	111	8Eta Boo	2.6800	6000.0	80	42625	No
89	GOM_TRA_1PNPDE20100425_213303_000000372088_00487_42625_6732.N1	25-APR-2010 21:33:03	Bright	37.000	152	12Alp2CVn	2.8900	11000.	74	42625	No
90	GOM_TRA_1PNPDE20100425_213456_000000432088_00487_42625_6733.N1	25-APR-2010 21:34:56	Bright	42.500	180	27Gam Boo	3.0400	8000.0	85	42625	No
91	GOM_TRA_1PNPDE20100425_213651_000000392088_00487_42625_6734.N1	25-APR-2010 21:36:51	Bright	39.000	39	85Eta UMa	1.8540	24000.	78	42625	No
92	GOM_TRA_1PNPDE20100425_214415_000000392088_00487_42625_6735.N1	25-APR-2010 21:44:15	Bright	38.500	60	7Bet UMi	2.0810	3950.0	77	42625	No
93	GOM_TRA_1PNPDE20100425_215429_000000412088_00487_42625_6736.N1	25-APR-2010 21:54:29	Bright	41.000	89	5Alp Cep	2.4510	8000.0	82	42625	No
94	GOM_TRA_1PNPDE20100425_220516_000000422088_00487_42625_6737.N1	25-APR-2010 22:05:16	Bright	42.000	164	44Eta Peg	2.9480	5400.0	84	42625	No
95	GOM_TRA_1PNPDE20100425_220932_000000442088_00487_42625_6738.N1	25-APR-2010 22:09:32	Tw_i_and_stray	43.500	90	54Alp Peg	2.4870	11000.	87	42625	No
96	GOM_TRA_1PNPDE20100425_221316_000000602088_00487_42625_6739.N1	25-APR-2010 22:13:16	Dark	59.500	61	8Eps Peg	2.1000	3900.0	119	42625	No
97	GOM_TRA_1PNPDE20100425_221544_000000502088_00487_42625_6740.N1	25-APR-2010 22:15:44	Dark	50.000	162	34Alp Aqr	2.9440	5350.0	100	42625	No
98	GOM_TRA_1PNPDE20100425_221859_000000582088_00487_42625_6745.N1	25-APR-2010 22:18:59	Dark	57.500	154	22Bet Aqr	2.8990	5700.0	115	42625	No
99	GOM_TRA_1PNPDE20100425_222605_000000412088_00487_42625_6746.N1	25-APR-2010 22:26:05	Dark	40.500	172	Gam Gru	3.0030	13100.	81	42625	No
100	GOM_TRA_1PNPDE20100425_223309_000000412088_00488_42626_6747.N1	25-APR-2010 22:33:09	Dark	40.500	45	Alp Pav	1.9400	26000.	81	42626	No
101	GOM_TRA_1PNPDE20100425_224043_000000442088_00488_42626_6748.N1	25-APR-2010 22:40:43	Straylight	43.500	141	Bet Ara	2.8400	4600.0	87	42626	No
102	GOM_TRA_1PNPDE20100425_224214_000000592088_00488_42626_6749.N1	25-APR-2010 22:42:14	Straylight	58.500	40	The Sco	1.8590	7100.0	117	42626	No
103	GOM_TRA_1PNPDE20100425_224747_000000392088_00488_42626_6750.N1	25-APR-2010 22:47:47	Straylight	39.000	78	Alp Lup	2.3040	28000.	78	42626	No
104	GOM_TRA_1PNPDE20100425_224921_000000432088_00488_42626_6751.N1	25-APR-2010 22:49:21	Straylight	42.500	81	Eta Cen	2.3560	28000.	85	42626	No
105	GOM_TRA_1PNPDE20100425_225132_000000452088_00488_42626_6752.N1	25-APR-2010 22:51:32	Straylight	44.500	54	5The Cen	2.0550	4500.0	89	42626	No
106	GOM_TRA_1PNPDE20100425_225718_000000492088_00488_42626_6753.N1	25-APR-2010 22:57:18	Bright	48.500	122	9Alp2Lib	2.7470	9700.0	97	42626	No
107	GOM_TRA_1PNPDE20100425_225919_000000392088_00488_42626_6754.N1	25-APR-2010 22:59:19	Bright	38.500	15	67Alp Vir	0.97600	28000.	77	42626	No
108	GOM_TRA_1PNPDE20100425_230549_000000382088_00488_42626_6755.N1	25-APR-2010 23:05:49	Bright	37.500	138	47Eps Vir	2.8280	4700.0	75	42626	No
109	GOM_TRA_1PNPDE20100425_230825_000000422088_00488_42626_6756.N1	25-APR-2010 23:08:25	Bright	42.000	111	8Eta Boo	2.6800	6000.0	84	42626	No
110	GOM_TRA_1PNPDE20100425_231339_000000362088_00488_42626_6757.N1	25-APR-2010 23:13:39	Bright	36.000	152	12Alp2CVn	2.8900	11000.	72	42626	No
111	GOM_TRA_1PNPDE20100425_231531_000000442088_00488_42626_6758.N1	25-APR-2010 23:15:31	Bright	44.000	180	27Gam Boo	3.0400	8000.0	88	42626	No
112	GOM_TRA_1PNPDE20100425_231726_000000422088_00488_42626_6759.N1	25-APR-2010 23:17:26	Bright	42.000	39	85Eta UMa	1.8540	24000.	84	42626	No
113	GOM_TRA_1PNPDE20100425_232451_000000392088_00488_42626_6760.N1	25-APR-2010 23:24:51	Bright	39.000	60	7Bet UMi	2.0810	3950.0	78	42626	No
114	GOM_TRA_1PNPDE20100425_233504_000000422088_00488_42626_6761.N1	25-APR-2010 23:35:04	Bright	41.500	89	5Alp Cep	2.4510	8000.0	83	42626	No
115	GOM_TRA_1PNPDE20100425_234552_000000402088_00488_42626_6762.N1	25-APR-2010 23:45:52	Bright	40.000	164	44Eta Peg	2.9480	5400.0	80	42626	No
116	GOM_TRA_1PNPDE20100425_235008_000000452088_00488_42626_6763.N1	25-APR-2010 23:50:08	Tw_i_and_stray	44.500	90	54Alp Peg	2.4870	11000.	89	42626	No
117	GOM_TRA_1PNPDE20100425_235353_000000602088_00488_42626_6764.N1	25-APR-2010 23:53:53	Dark	59.500	61	8Eps Peg	2.1000	3900.0	119	42626	No
118	GOM_TRA_1PNPDE20100425_235620_000000522088_00488_42626_6765.N1	25-APR-2010 23:56:20	Dark	52.000	162	34Alp Aqr	2.9440	5350.0	104	42626	No
119	GOM_TRA_1PNPDE20100425_235936_000000572088_00488_42626_6768.N1	25-APR-2010 23:59:36	Dark	56.500	154	22Bet Aqr	2.8990	5700.0	113	42626	Yes

### 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).

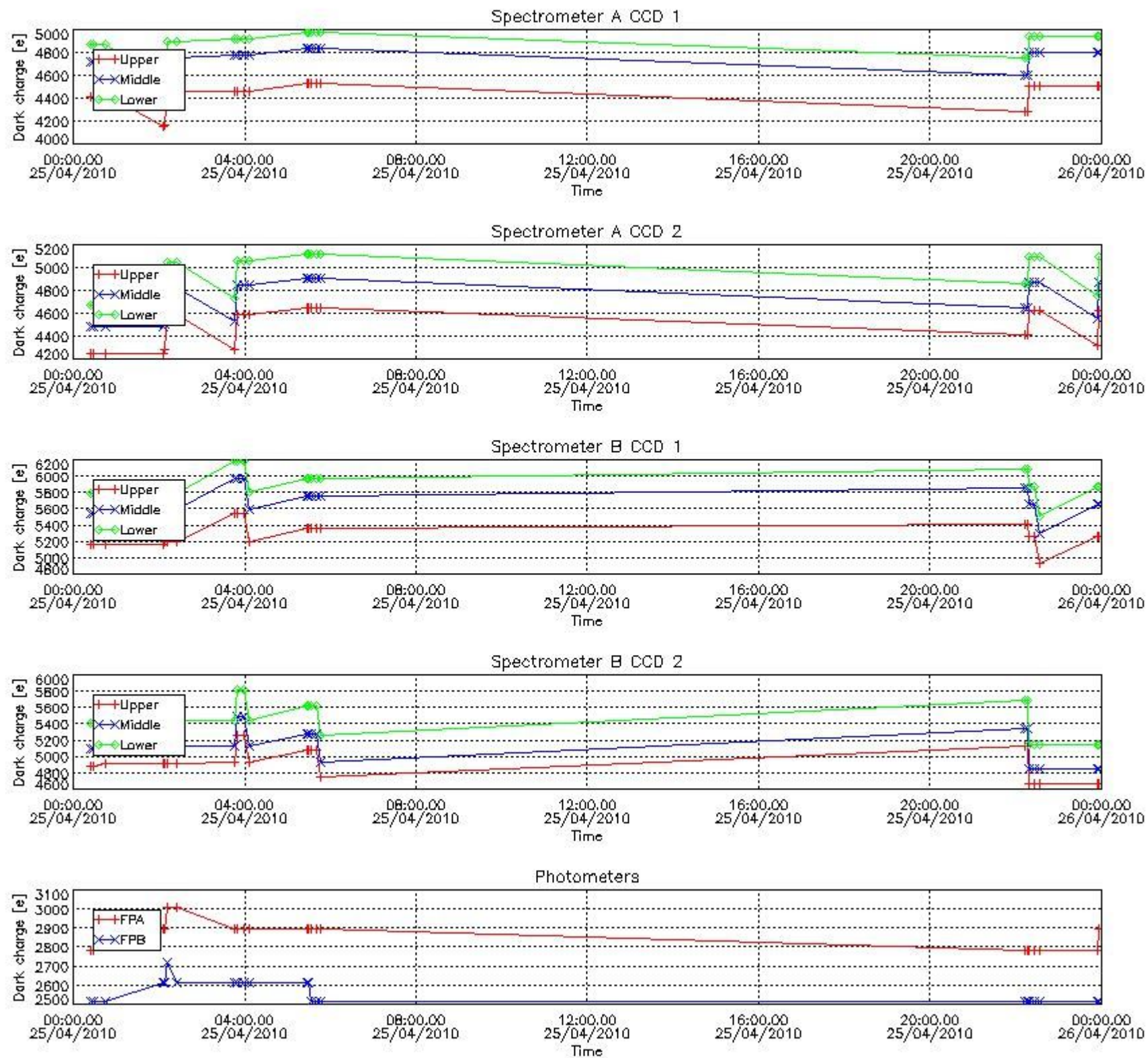
In this section a list of products that did not use the Dark Sky Area (DSA) observation for the DC computation is given. It is also provided the mean DC plot per product for dark limb products with no error flag set.

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

Product name	DC information
GOM_TRA_1PNPDE20100425_210711_000000442088_00487_42625_6725.N1	DC map used
GOM_TRA_1PNPDE20100425_210845_000000432088_00487_42625_6726.N1	DC map used
GOM_TRA_1PNPDE20100425_211056_000000462088_00487_42625_6727.N1	DC map used
GOM_TRA_1PNPDE20100425_211642_000000492088_00487_42625_6728.N1	DC map used
GOM_TRA_1PNPDE20100425_211843_000000422088_00487_42625_6729.N1	DC map used
GOM_TRA_1PNPDE20100425_212513_000000372088_00487_42625_6730.N1	DC map used
GOM_TRA_1PNPDE20100425_212750_000000402088_00487_42625_6731.N1	DC map used
GOM_TRA_1PNPDE20100425_213303_000000372088_00487_42625_6732.N1	DC map used
GOM_TRA_1PNPDE20100425_213456_000000432088_00487_42625_6733.N1	DC map used
GOM_TRA_1PNPDE20100425_213651_000000392088_00487_42625_6734.N1	DC map used
GOM_TRA_1PNPDE20100425_214415_000000392088_00487_42625_6735.N1	DC map used
GOM_TRA_1PNPDE20100425_215429_000000412088_00487_42625_6736.N1	DC map used
GOM_TRA_1PNPDE20100425_220516_000000422088_00487_42625_6737.N1	DC map used
GOM_TRA_1PNPDE20100425_220932_000000442088_00487_42625_6738.N1	DC map used

GOM_TRA_1PNPDE20100425_221316_000000602088_00487_42625_6739.N1	DC map used
GOM_TRA_1PNPDE20100425_221544_000000502088_00487_42625_6740.N1	DC map used

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



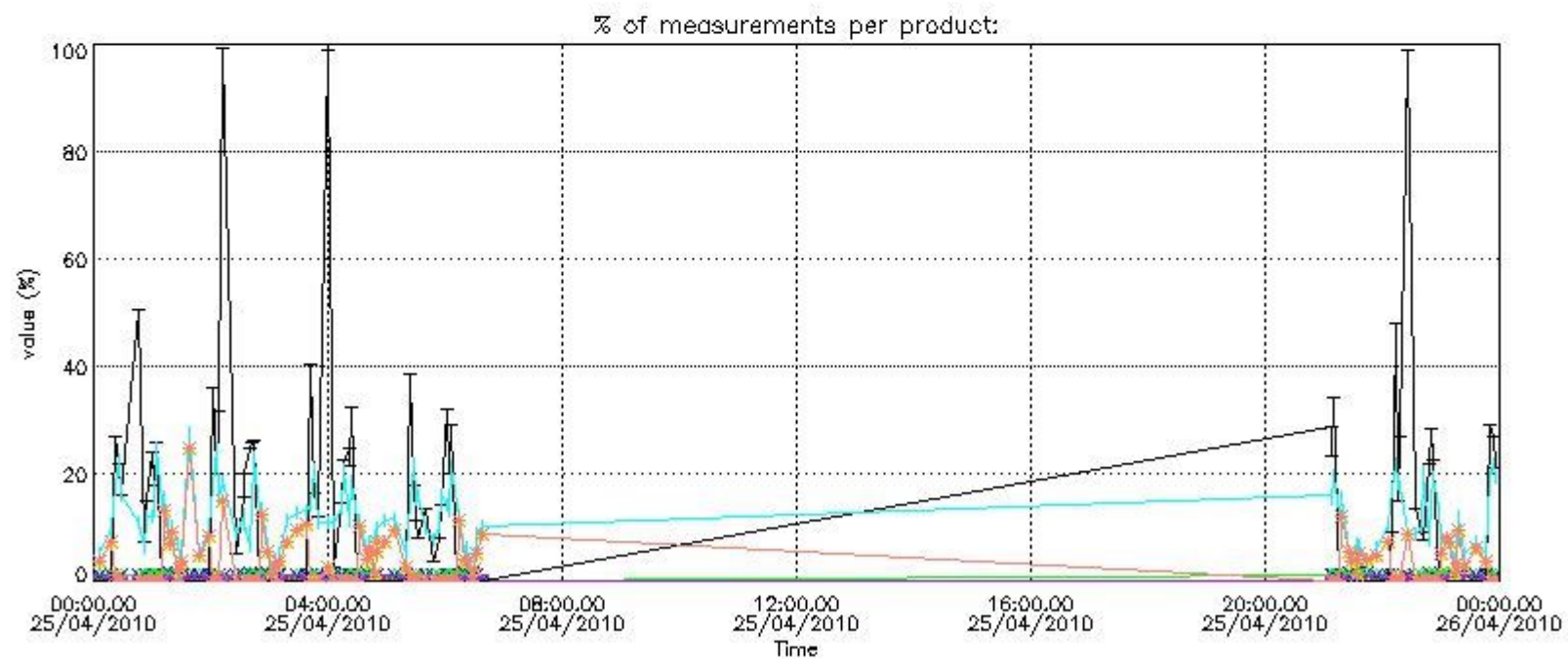
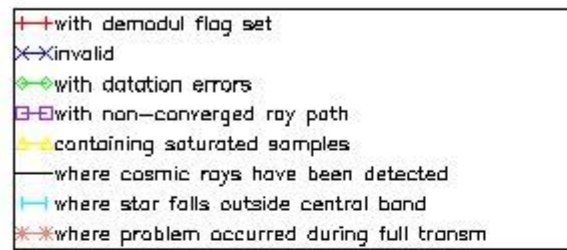
5. Demodulation flag and quality information monitoring

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:

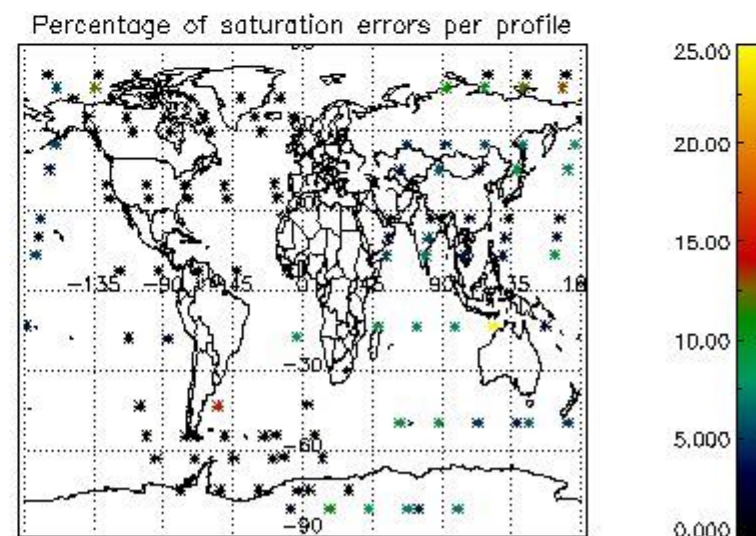
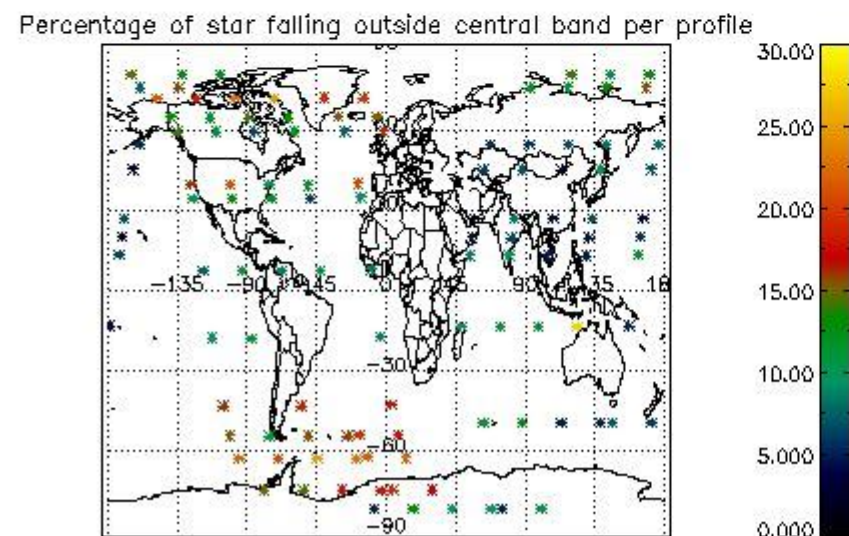
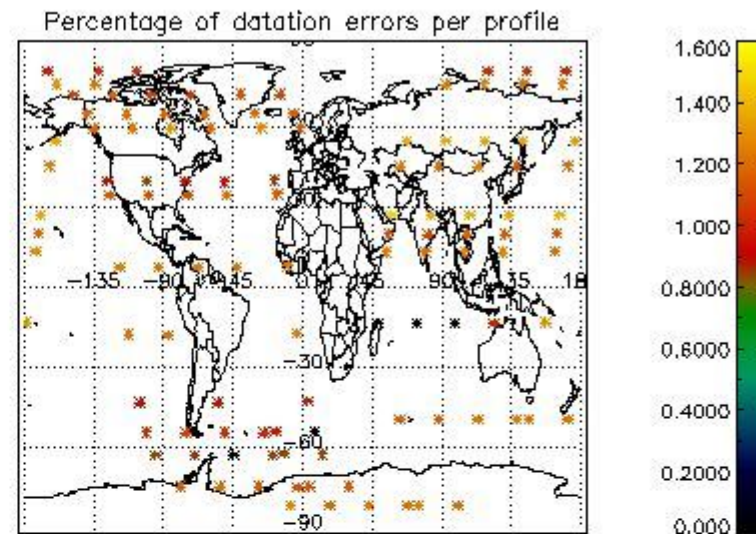
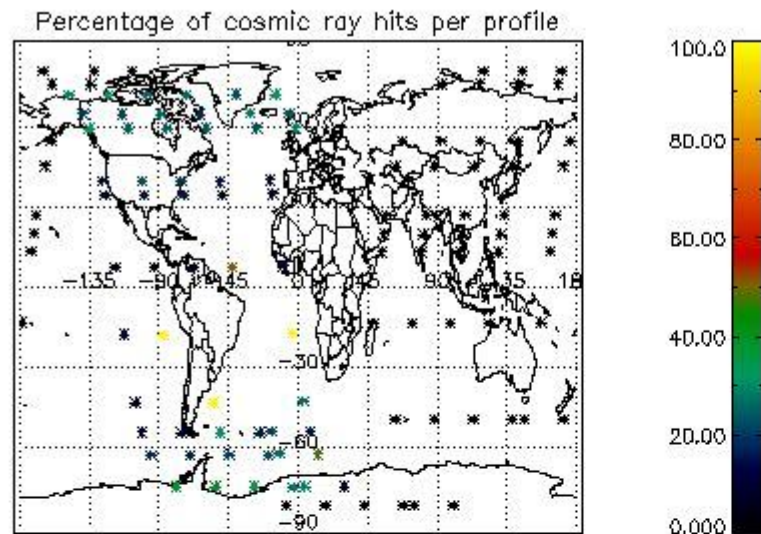
At least one measurement with demodulation flag set:	40.1709 %
Reference spectrum computed from DB:	0.00000 %
Reference spectrum with small number of measurements:	0.00000 %
SATU data not used:	0.00000 %

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)

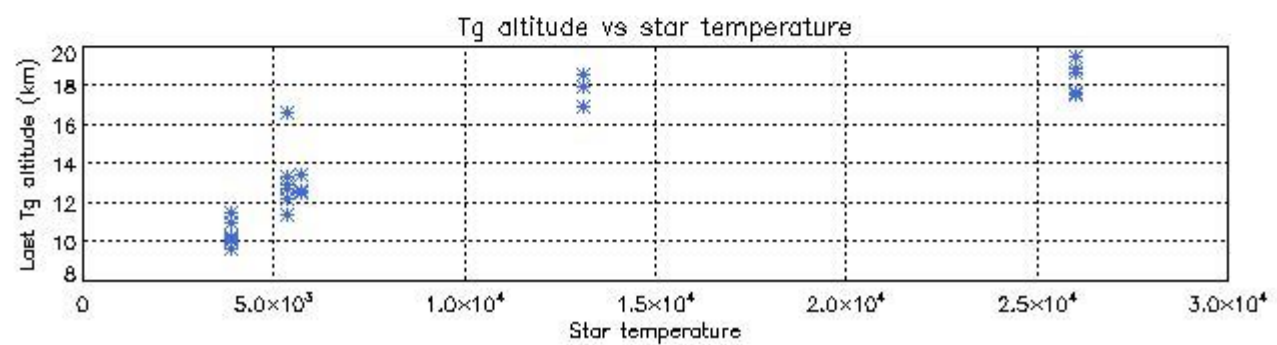
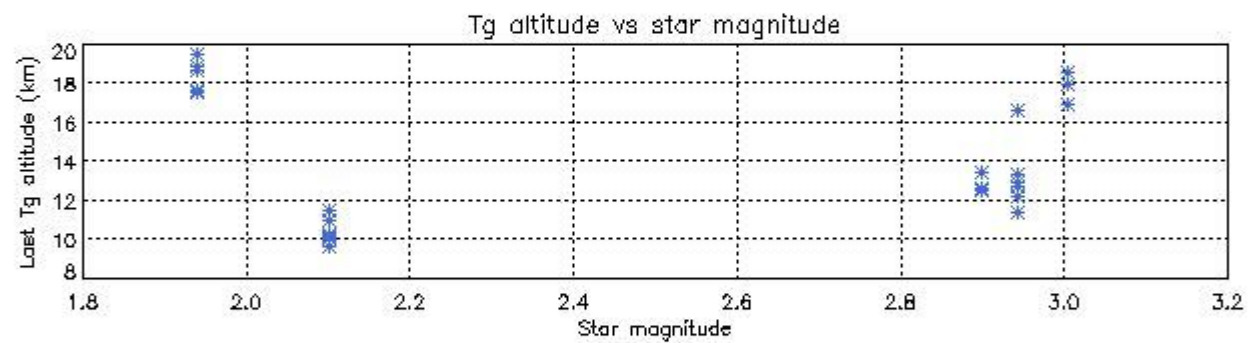
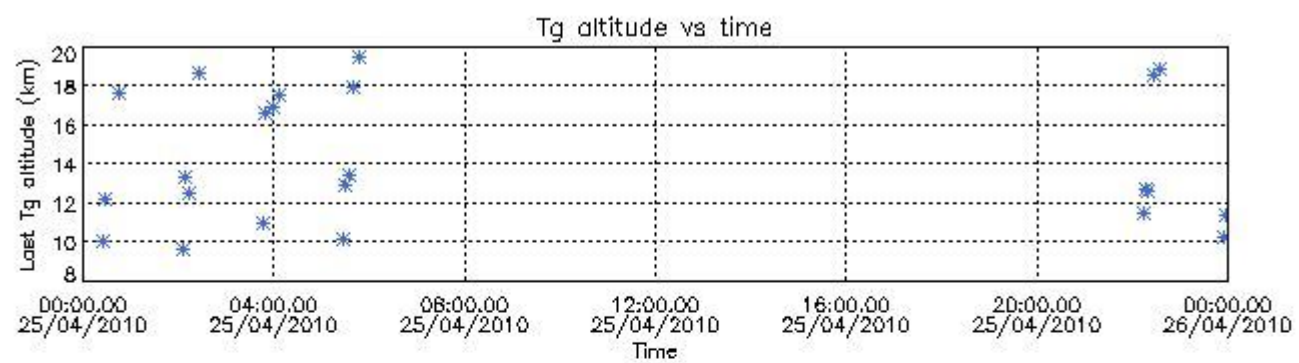
### 6.1 Statistics on tangent altitude lost:

Statistics	DARK	BRIGHT	TWILIGHT
Mean:	14.162	19.431	NaN
St. deviation:	3.3681	3.3427	NaN
Maximum:	19.445	26.977	NaN
Minimum:	9.6401	7.0680	NaN
Number of data:	23.000	60.000	NaN

### 6.2 Plot for DARK limb products

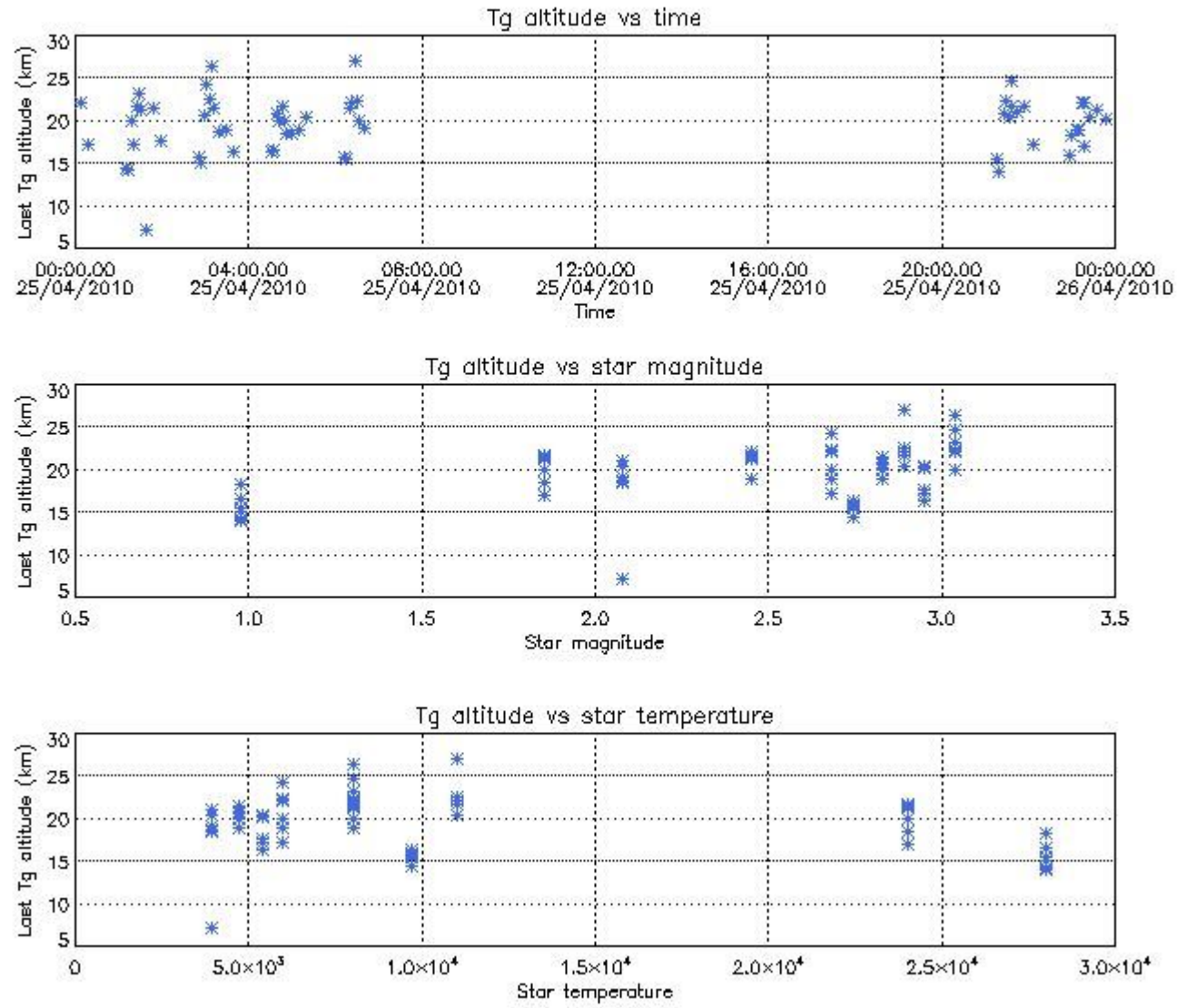


Tangent altitude at which the star is lost



6.3 Plot for BRIGHT limb products

Tangent altitude at which the star is lost

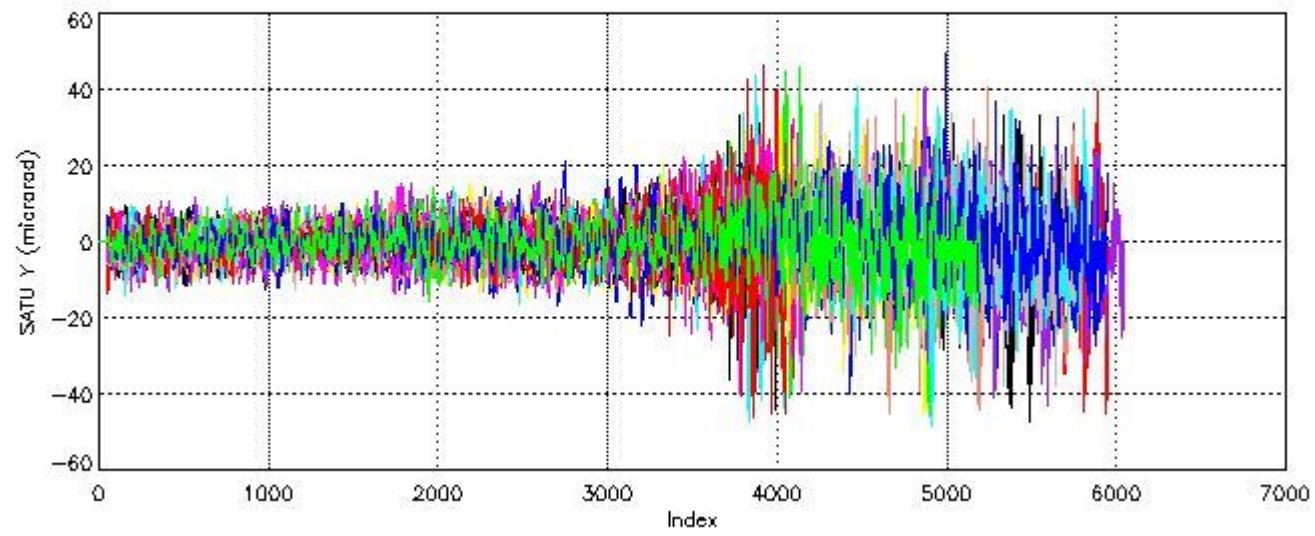
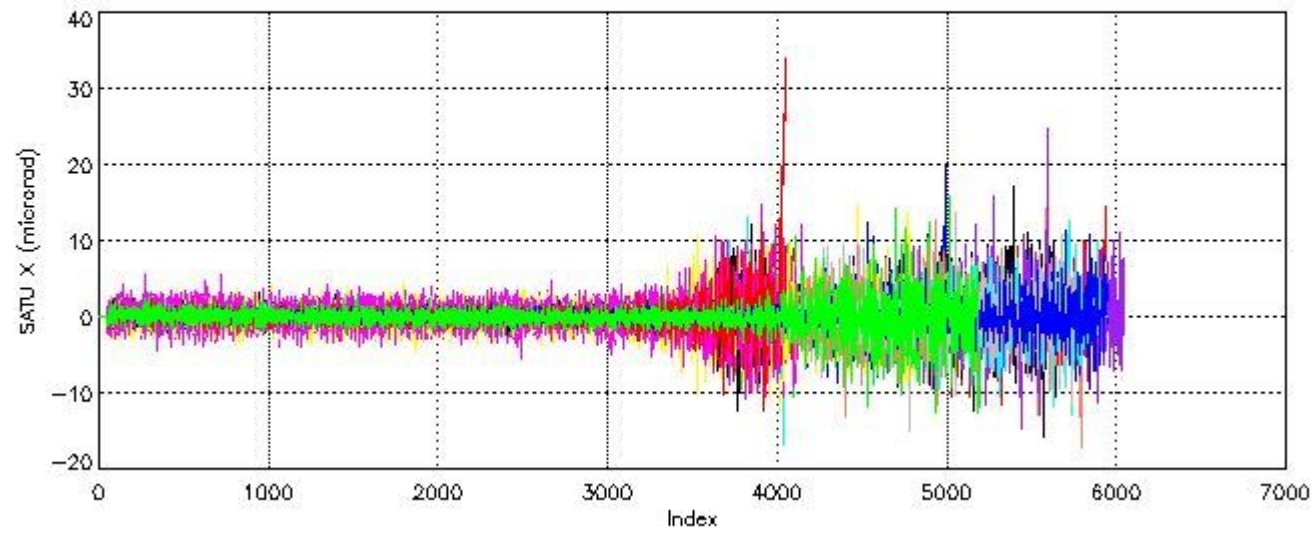


## 7. Star Acquisition and Tracking Unit (SATU)

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:	0.17345	-0.66427	0.17743	-0.77622
St. deviation:	0.68674	3.4584	0.91678	3.4952
Maximum:	5.6000	11.700	6.9000	14.600
Minimum:	-4.4000	-14.200	-5.6000	-15.100



Number of data:	24450.	24450.	57750.	57750.
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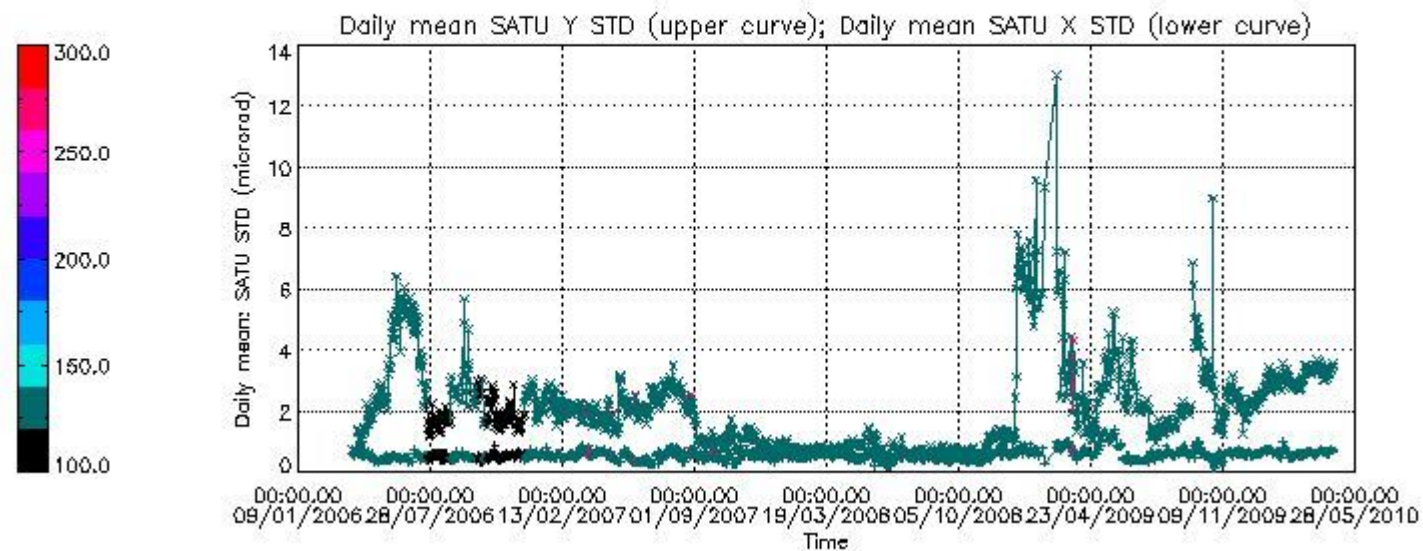
### 7.2.2 Trend of daily SATU NEA St. deviation since 1st April 2006 (dark limb)

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

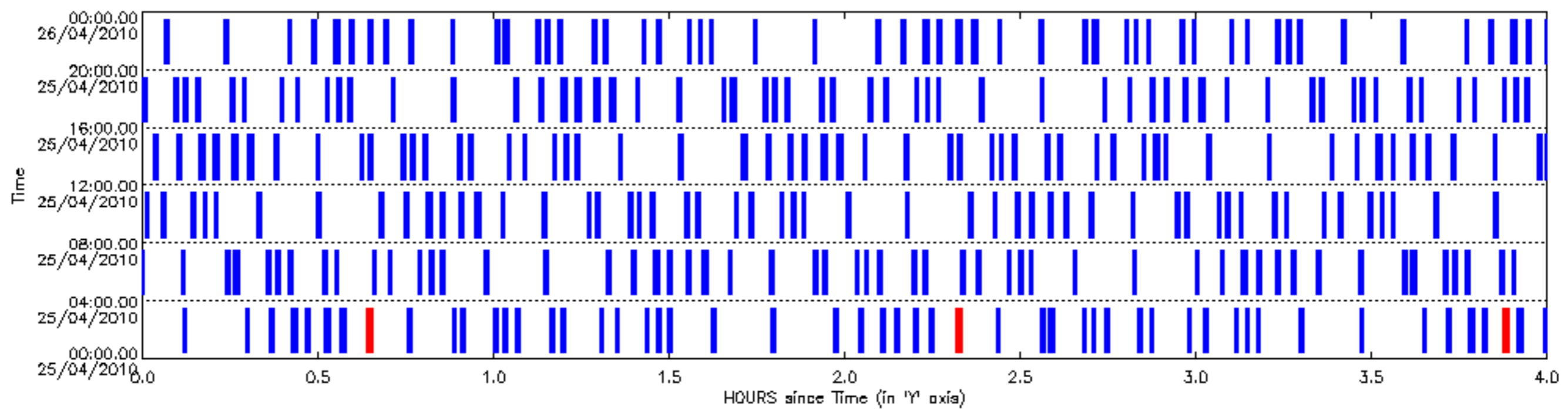
Lower curve: STD of SATU X axis

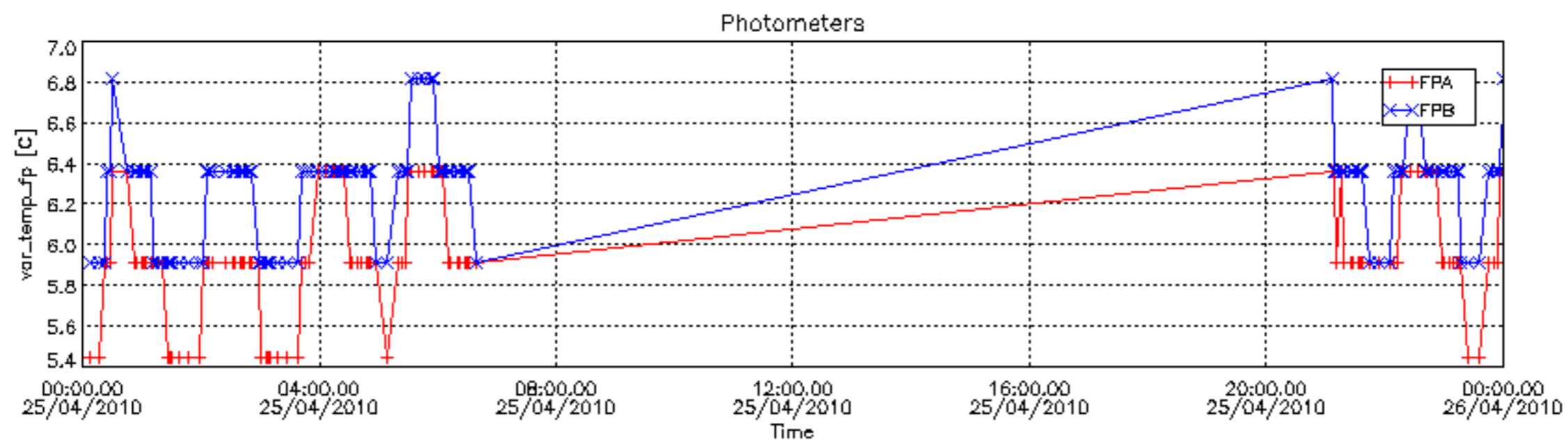
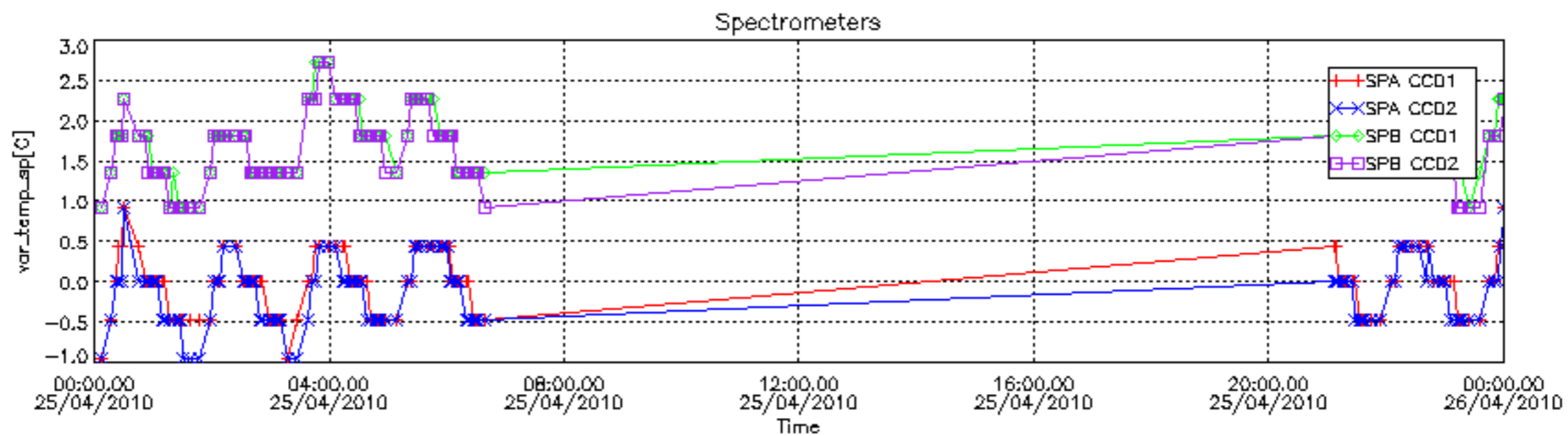


### 8. Auxiliary Data Files used for the production reported in section 2.4

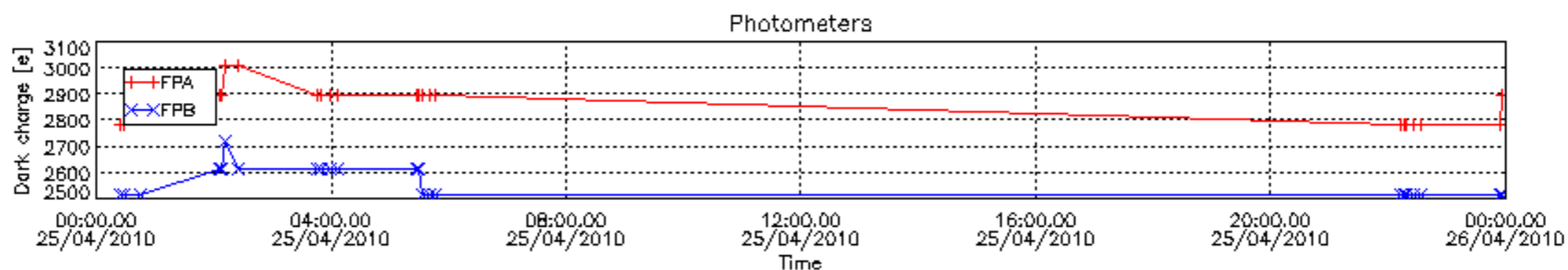
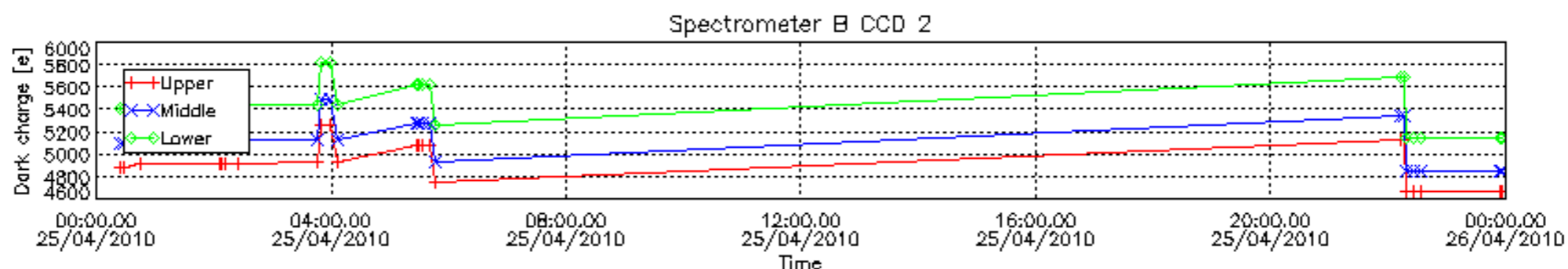
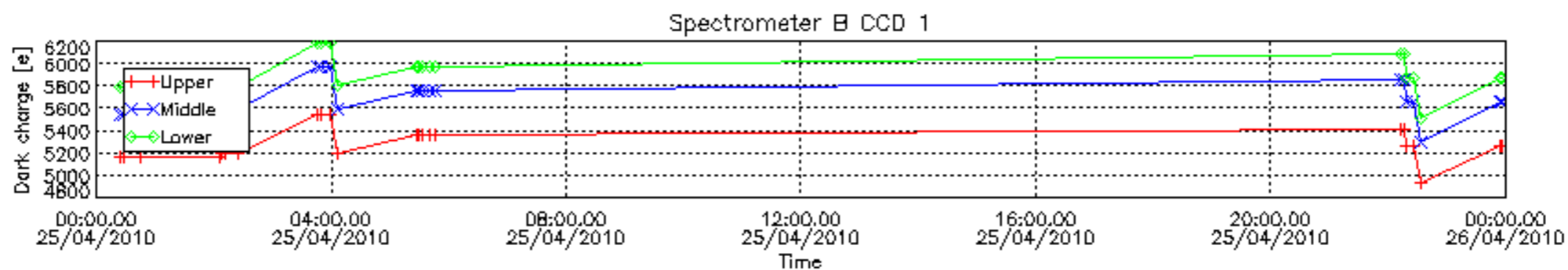
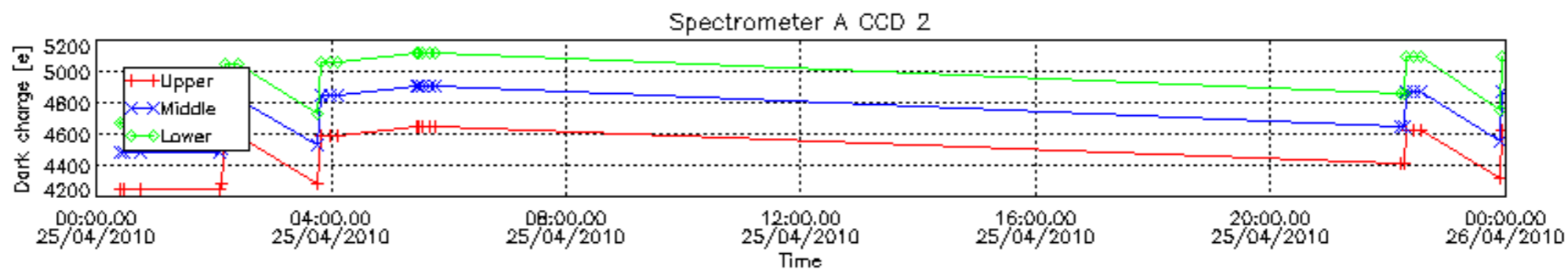
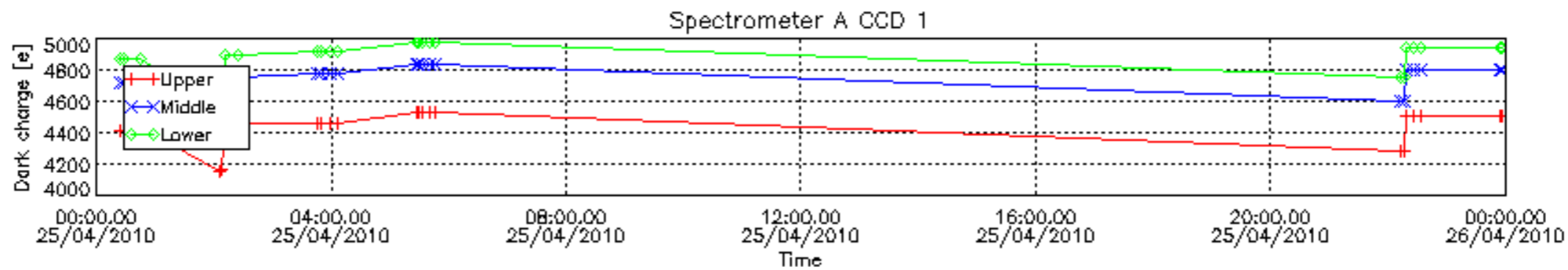
The number reported in the third column indicates since which file (see list in section 2.4) the corresponding auxiliary file has been used. The fourth column is the date of those product files.

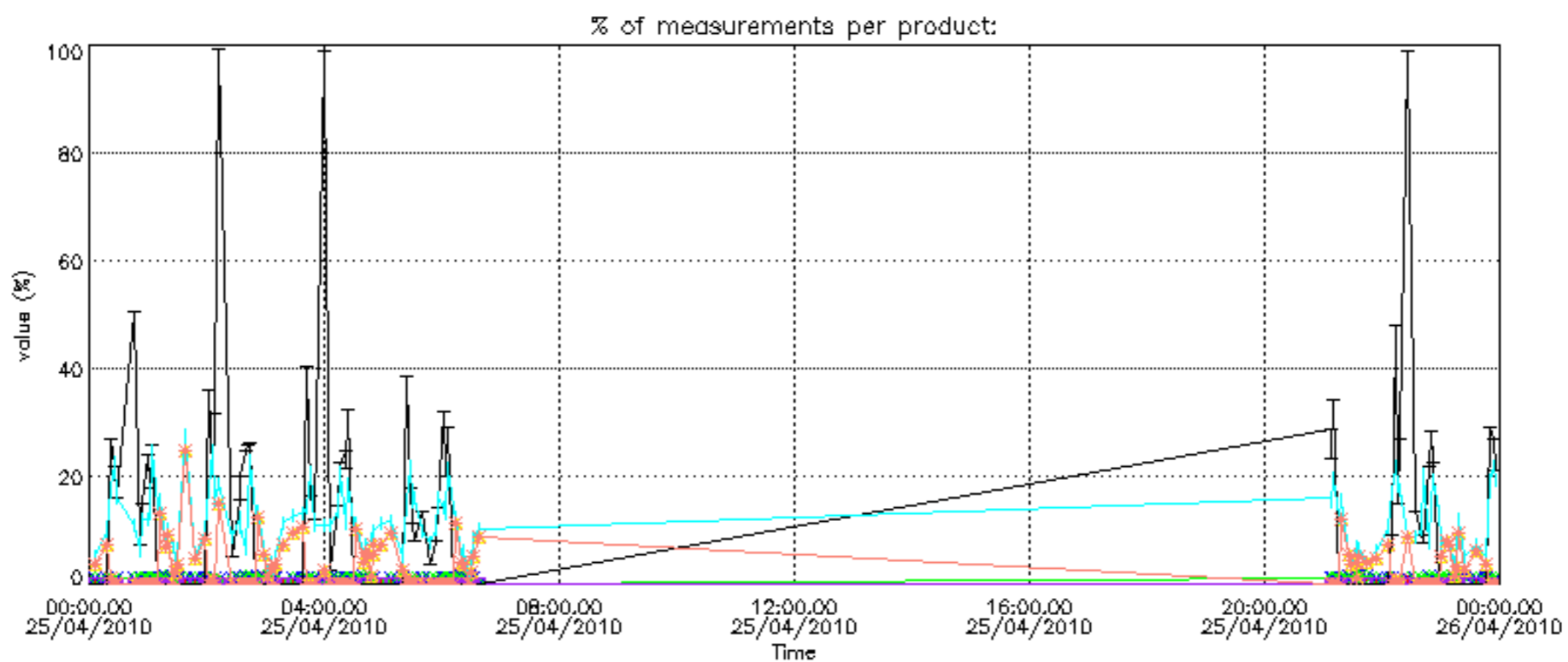
Type	Auxiliary Filename	Used since product	Used since product date
INST_PHYS_CHARACTERISTICS	GOM_INS_AXVIEC20091111_143220_20030716_120000_20500101_000000	1	25-APR-2010 00:06:45
CALIBRATION_DATABASE	GOM_CAL_AXVIEC20100421_081220_20100420_000000_20500101_000000	1	25-APR-2010 00:06:45
LEVEL-1B_PROC_CONFIG	GOM_PR1_AXVIEC20091111_145255_20020301_000000_20500101_000000	1	25-APR-2010 00:06:45
STAR_CATALOGUE	GOM_CAT_AXVIEC20020121_161009_20020101_000000_20200101_000000	1	25-APR-2010 00:06:45
STELLAR_SPECTRA_DATABANK	GOM_STS_AXVIEC20091111_151504_20020101_160000_20500101_000000	1	25-APR-2010 00:06:45
ECMWF_FILE	AUX_ECF_AXNECM20100424_054118_20100424_210000_20100425_090000	1	25-APR-2010 00:06:45
ECMWF_FILE	AUX_ECF_AXNECM20100424_173114_20100425_030000_20100425_150000	41	25-APR-2010 03:27:56
ECMWF_FILE	AUX_ECF_AXNECM20100425_054115_20100425_210000_20100426_090000	82	25-APR-2010 21:07:11
OPTIONAL_ECMWF_FILE	MISSING	1	25-APR-2010 00:06:45
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20100424_224758_000057382088_00473_42611_0224.N1	1	25-APR-2010 00:06:45
ORBIT_DATA_FILE	AUX_FPO_AXVPDS20100424_100117_20100423_183222_20100503_213911	6	25-APR-2010 00:30:59
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20100425_020433_000041442088_00475_42613_0226.N1	25	25-APR-2010 02:08:25
ORBIT_DATA_FILE	AUX_FPO_AXVPDS20100424_100117_20100423_183222_20100503_213911	41	25-APR-2010 03:27:56
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20100425_050512_000054192088_00477_42615_0228.N1	61	25-APR-2010 05:08:32
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20100425_210134_000041442088_00487_42625_0229.N1	82	25-APR-2010 21:07:11
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20100425_221557_000057382088_00487_42625_0230.N1	98	25-APR-2010 22:18:59
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20100425_235654_000057382088_00488_42626_0231.N1	119	25-APR-2010 23:59:36



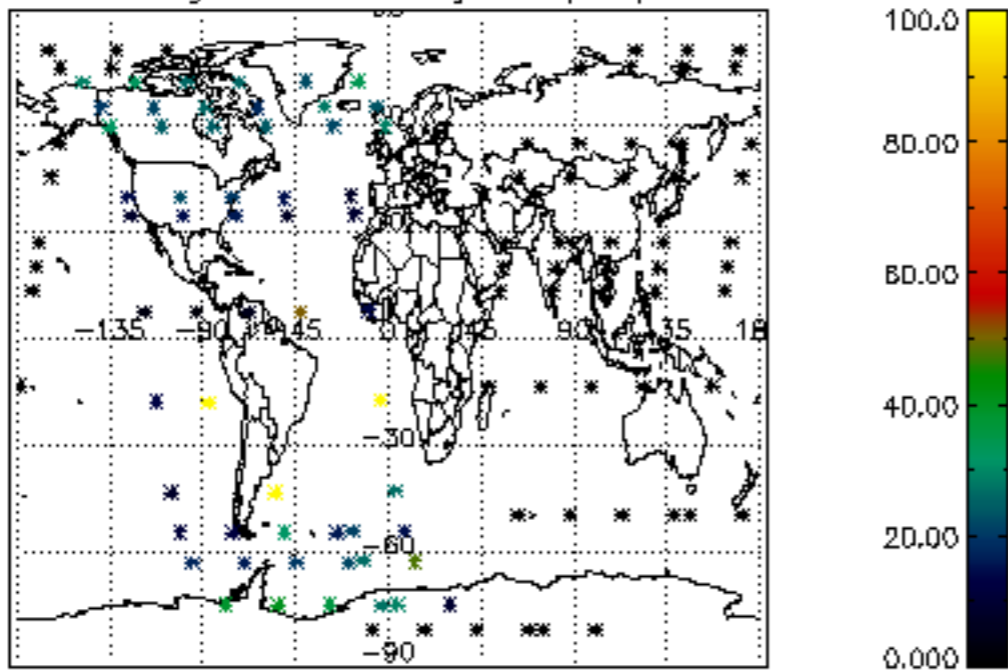




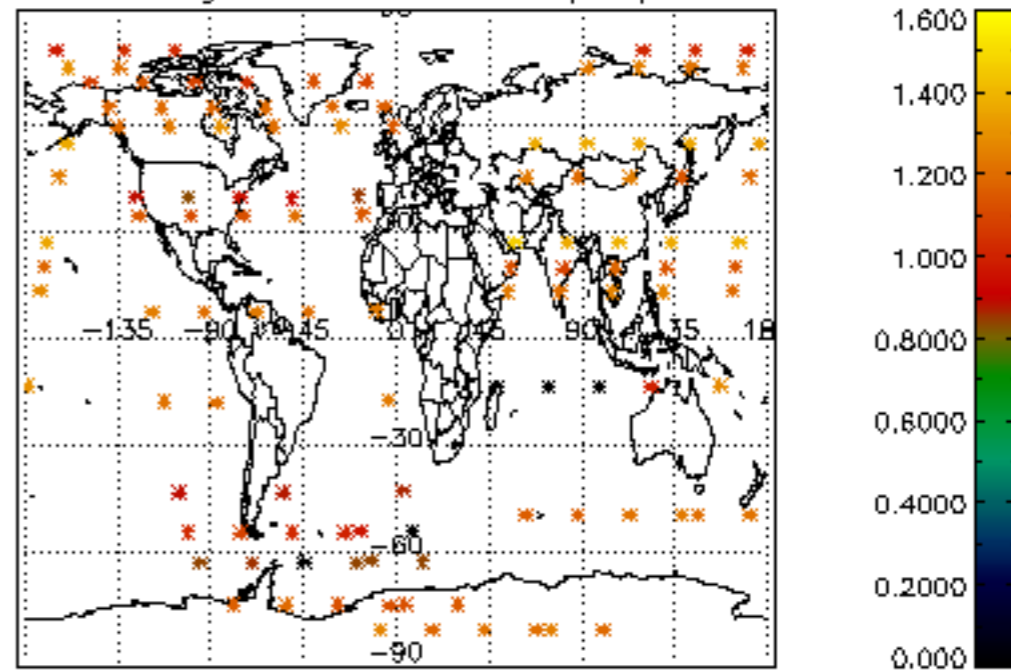




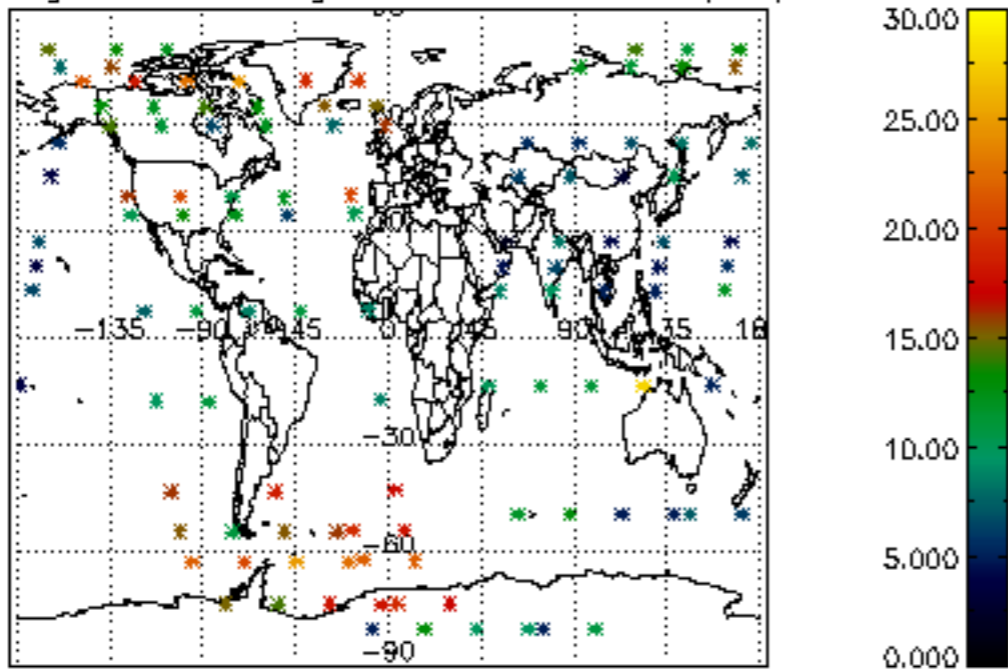
Percentage of cosmic ray hits per profile



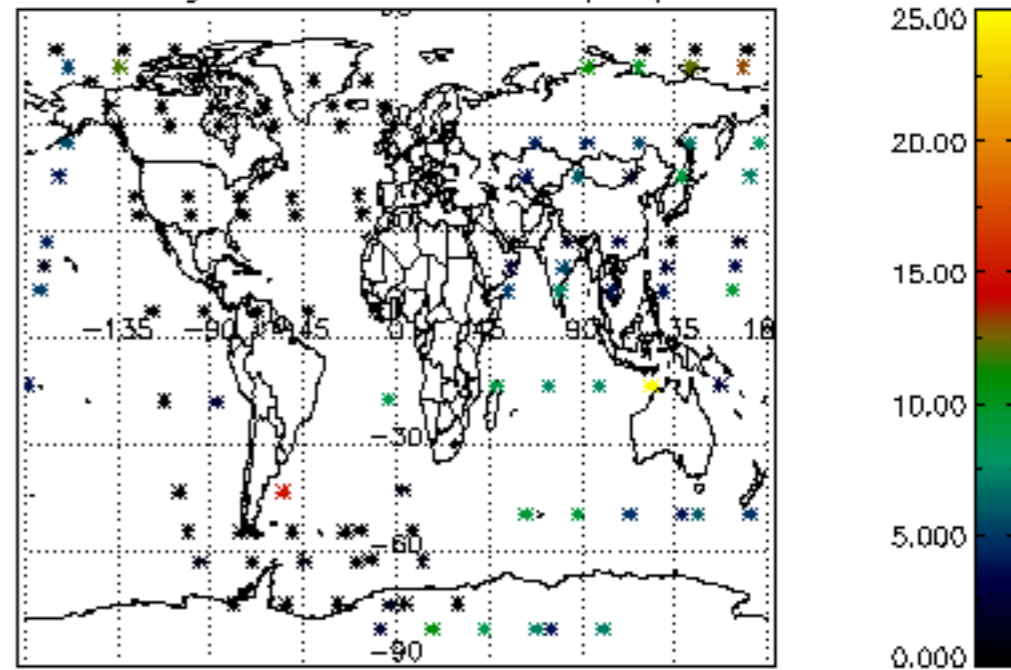
Percentage of datation errors per profile



Percentage of star falling outside central band per profile

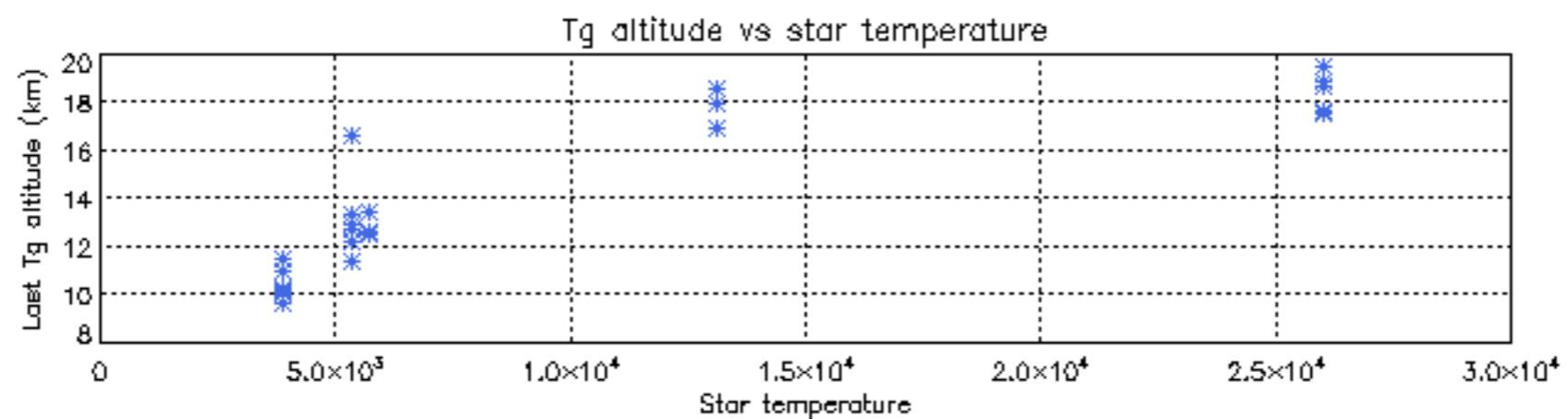
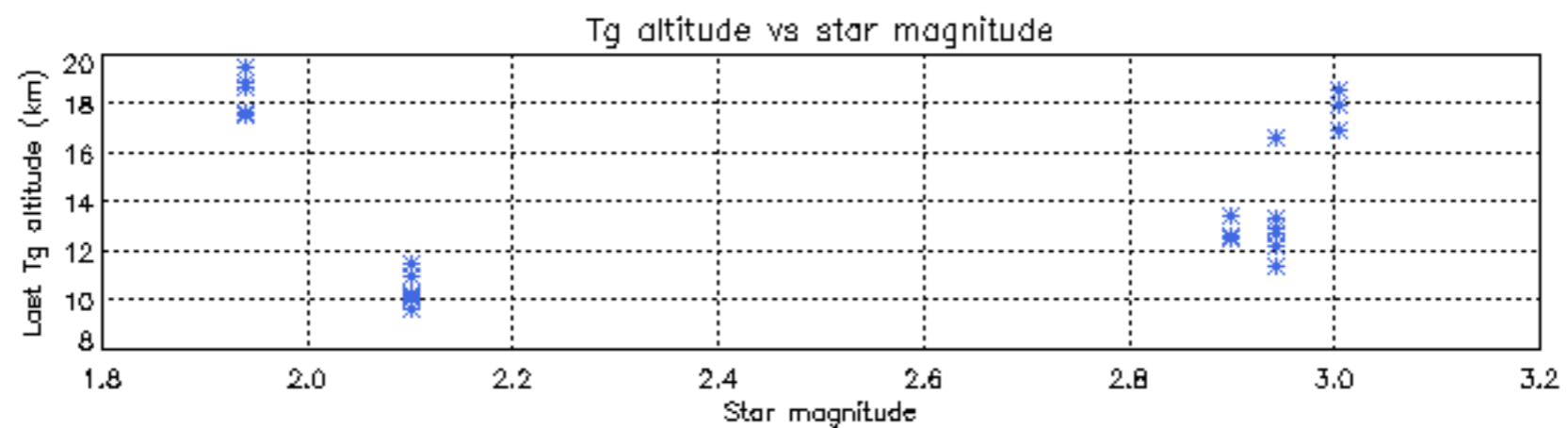
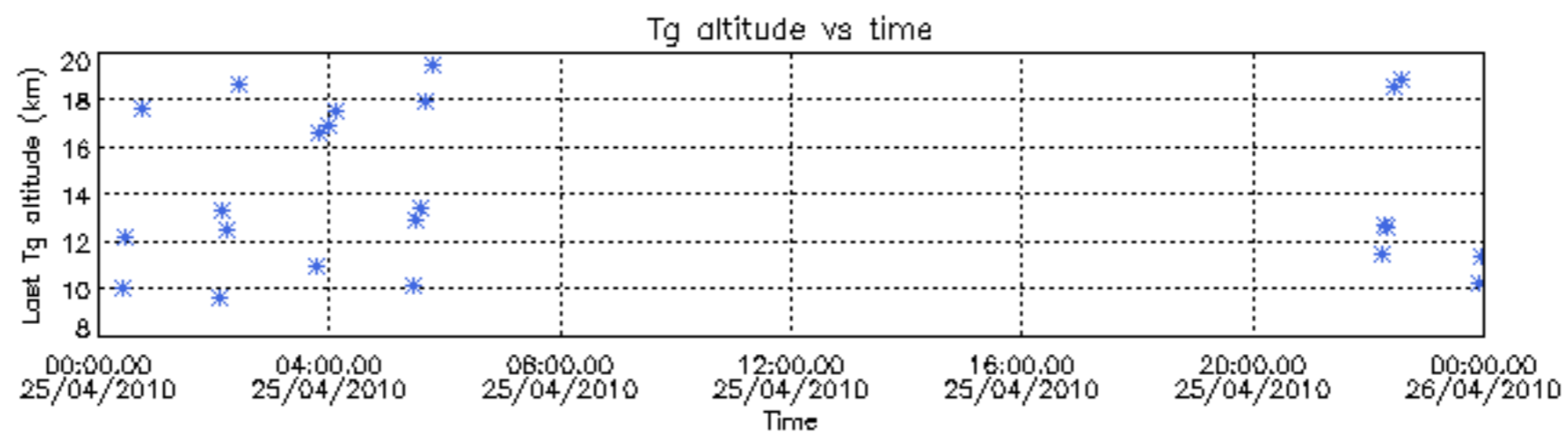


Percentage of saturation errors per profile

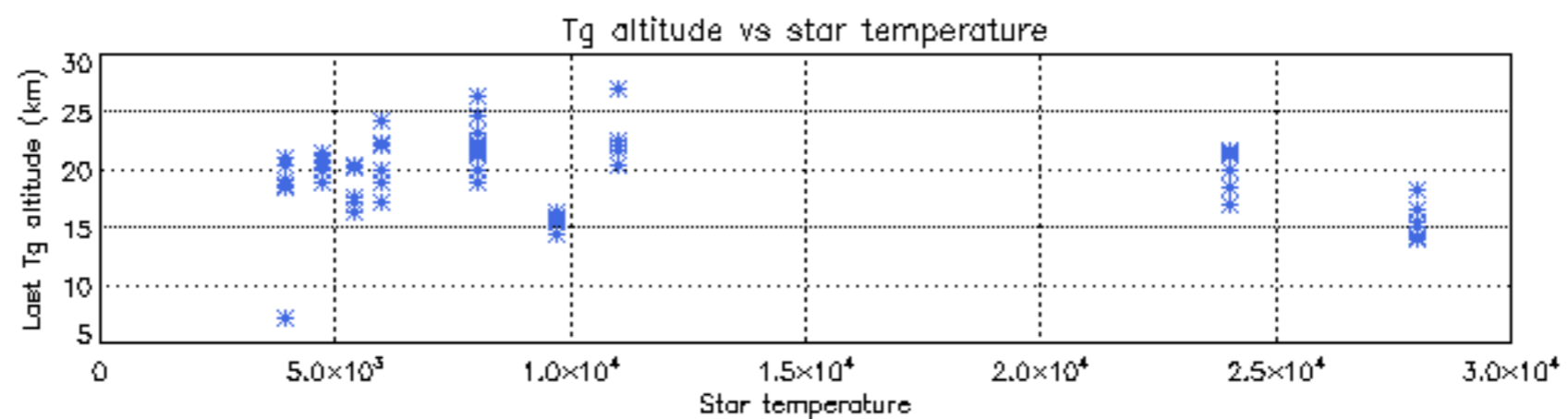
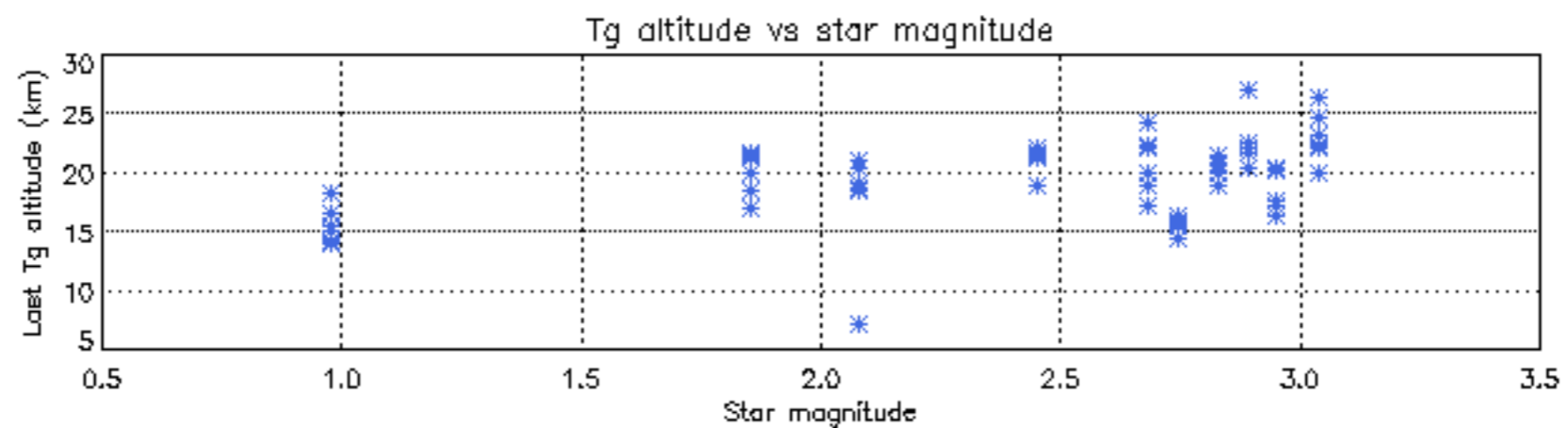
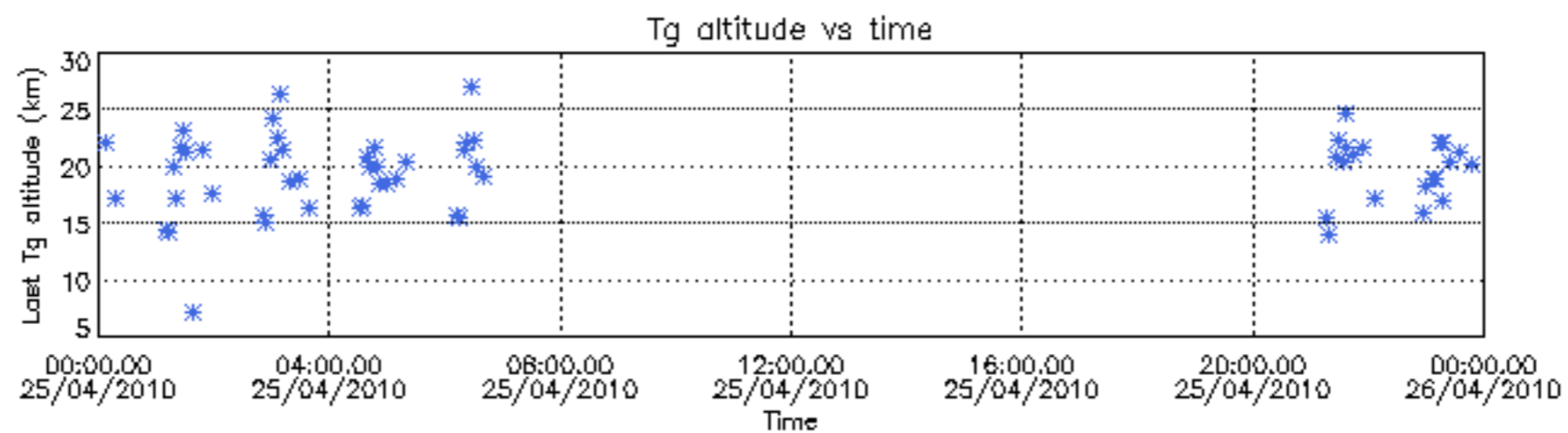


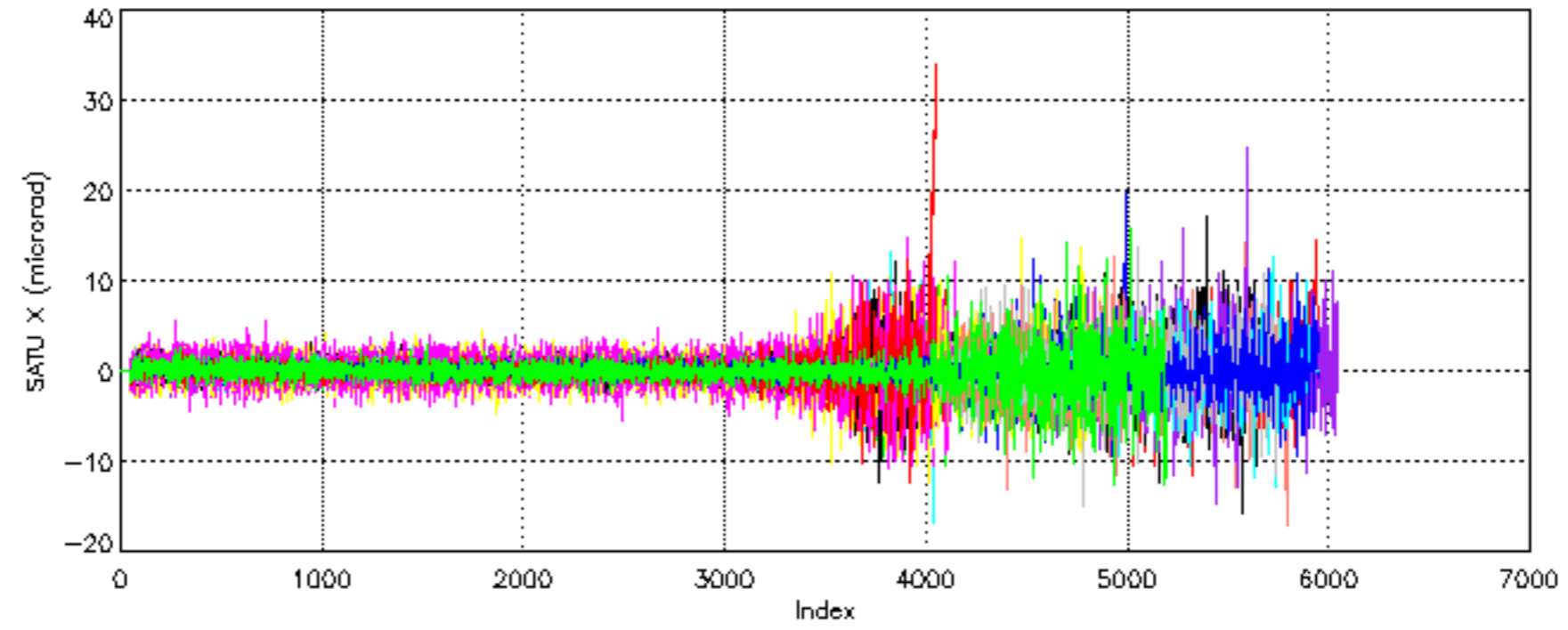


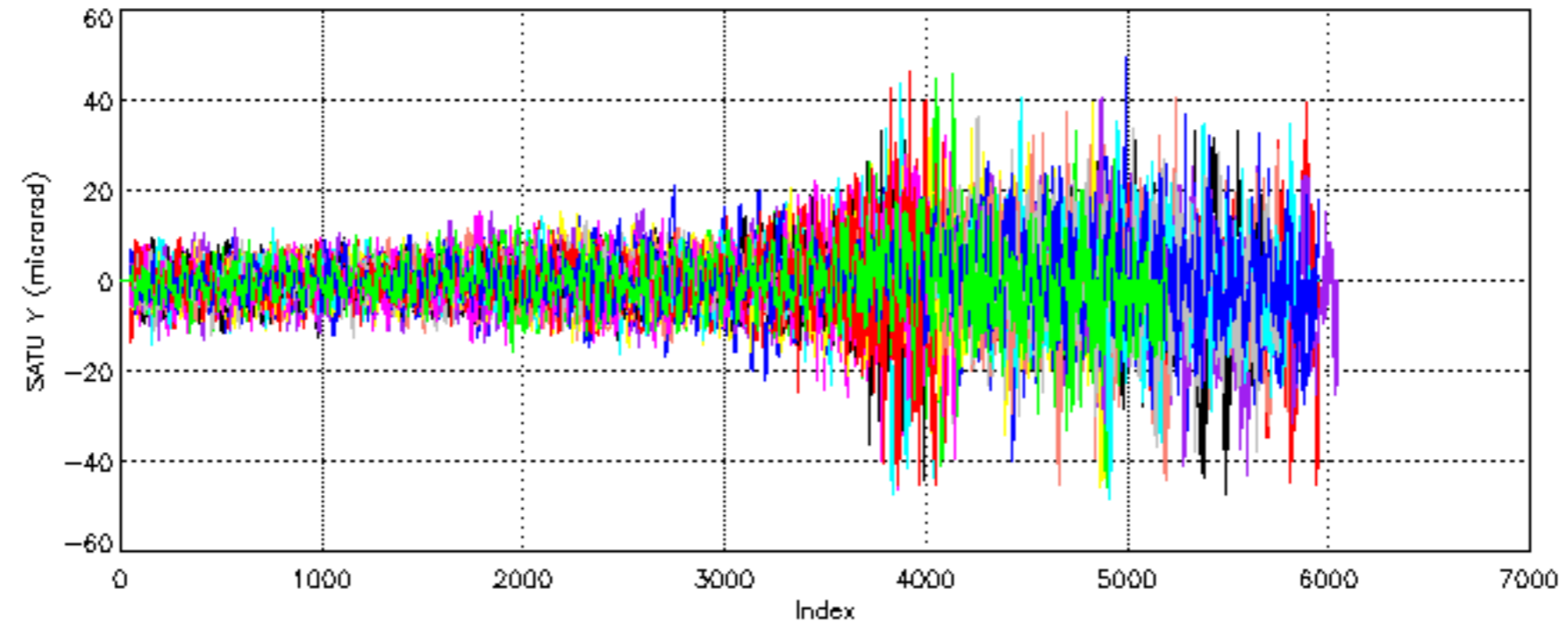
Tangent altitude at which the star is lost



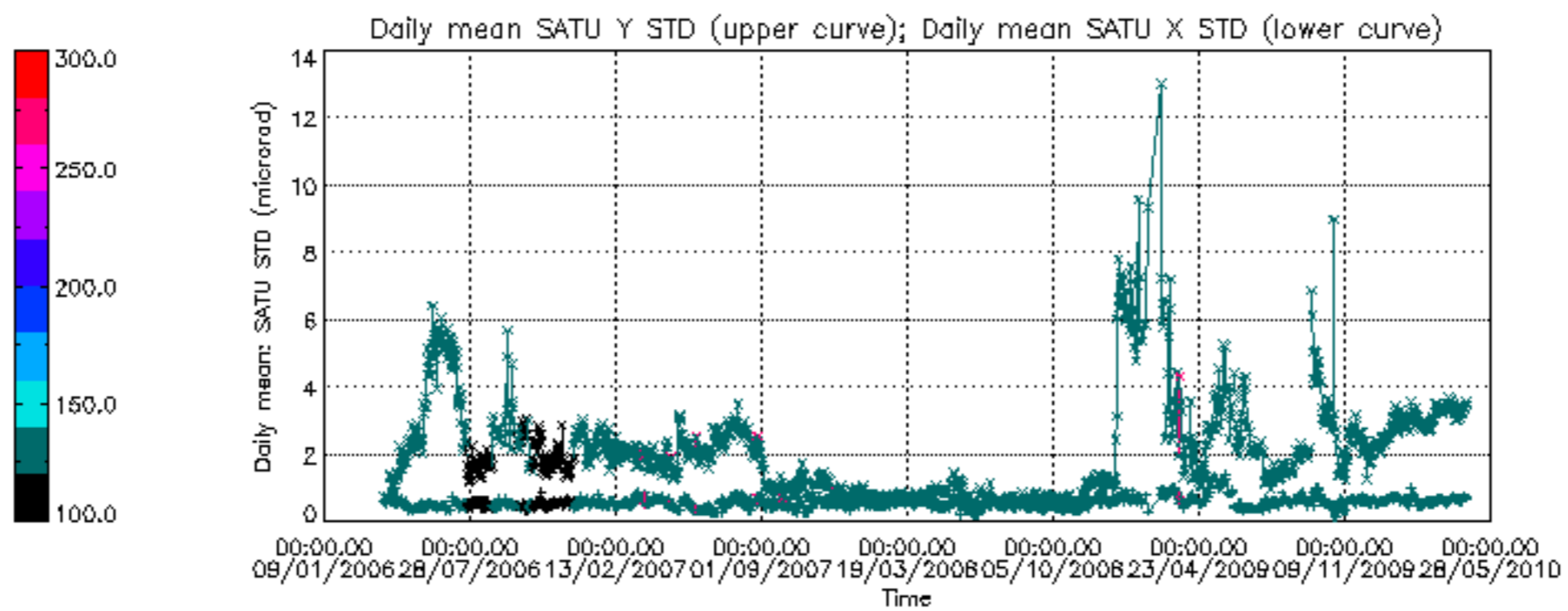
Tangent altitude at which the star is lost











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

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

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

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 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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4; 1579.6; 01-APR-2010 20:30:43; Dark ; 41.5; 100; 4Gam Crv ; 2.58; 13100;occ; 83; 0;42281
5; 1688.0; 01-APR-2010 20:32:31; Dark ; 54.0; 15; 67Alp Vir ; 0.98; 28000;occ; 108; 0;42281
6; 1882.1; 01-APR-2010 20:35:46; Bright; 44.0; 121; 29Gam Vir ; 2.74; 7200;occ; 88; 0;42281
7; 2159.5; 01-APR-2010 20:40:23; Bright; 38.5; 62; 94Bet Leo ; 2.14; 9700;occ; 77; 0;42281
8; 2665.5; 01-APR-2010 20:48:49; Bright; 37.0; 174; 52Psi UMa ; 3.00; 4400;occ; 74; 0;42281
9; 2846.1; 01-APR-2010 20:51:49; Bright; 37.5; 87; 64Gam UMa ; 2.43; 11000;occ; 75; 0;42281
10; 2959.3; 01-APR-2010 20:53:43; Bright; 36.0; 36; 50Alp UMa ; 1.80; 6300;occ; 72; 0;42281
11; 3334.8; 01-APR-2010 20:59:58; Bright; 36.5; 60; 7Bet UMi ; 2.08; 3950;occ; 73; 0;42281
12; 3901.3; 01-APR-2010 21:09:25; Bright; 36.5; 89; 5Alp Cep ; 2.45; 8000;occ; 73; 0;42281
13; 4198.0; 01-APR-2010 21:14:21; Bright; 47.0; 144; 18Del Cyg ; 2.86; 11000;occ; 94; 0;42281
14; 4312.8; 01-APR-2010 21:16:16; Bright; 46.5; 66; 37Gam Cyg ; 2.21; 5900;occ; 93; 0;42281
15; 4435.5; 01-APR-2010 21:18:19; Bright; 45.0; 92; 53Eps Cyg ; 2.50; 4500;occ; 90; 0;42281
16; 4829.5; 01-APR-2010 21:24:53; Dark ; 47.5; 61; 8Eps Peg ; 2.10; 3900;occ; 95; 0;42281
17; 5105.6; 01-APR-2010 21:29:29; Dark ; 43.0; 154; 22Bet Aqr ; 2.90; 5700;occ; 86; 0;42281
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2; -132.8; 01-APR-2010 21:42:47; Dark ; 42.0; 57; 34Sig Sgr ; 2.07; 26000;occ; 84; 0;42281
3; 80.8; 01-APR-2010 21:46:20; Dark ; 56.0; 38; 20Eps Sgr ; 1.84; 11000;occ; 112; 0;42282
4; 306.4; 01-APR-2010 21:50:06; Dark ; 50.5; 40; The Sco ; 1.86; 7100;occ; 101; 0;42282
5; 521.6; 01-APR-2010 21:53:41; Dark ; 39.5; 134; Bet TrA ; 2.81; 6600;occ; 79; 0;42282
6; 679.4; 01-APR-2010 21:56:19; Dark ; 53.0; 4; Alp1Cen ; -0.01; 5800;occ; 106; 0;42282
7; 845.9; 01-APR-2010 21:59:05; Dark ; 48.0; 78; Alp Lup ; 2.30; 28000;occ; 96; 0;42282
8; 942.1; 01-APR-2010 22:00:41; Dark ; 48.0; 81; Eta Cen ; 2.36; 28000;occ; 96; 0;42282
9; 1105.1; 01-APR-2010 22:03:24; Dark ; 53.0; 54; 5The Cen ; 2.06; 4500;occ; 106; 0;42282
10; 1462.2; 01-APR-2010 22:09:21; Dark ; 46.5; 106; 9Bet Crv ; 2.65; 5600;occ; 93; 0;42282
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12; 1688.0; 01-APR-2010 22:13:07; Dark ; 59.5; 15; 67Alp Vir ; 0.98; 28000;occ; 119; 0;42282
13; 1881.8; 01-APR-2010 22:16:21; Bright; 44.0; 121; 29Gam Vir ; 2.74; 7200;occ; 88; 0;42282
14; 2159.5; 01-APR-2010 22:20:59; Bright; 40.5; 62; 94Bet Leo ; 2.14; 9700;occ; 81; 0;42282
15; 2665.8; 01-APR-2010 22:29:25; Bright; 36.5; 174; 52Psi UMa ; 3.00; 4400;occ; 73; 0;42282
16; 2845.9; 01-APR-2010 22:32:25; Bright; 38.0; 87; 64Gam UMa ; 2.43; 11000;occ; 76; 0;42282
17; 2954.9; 01-APR-2010 22:34:14; Bright; 43.0; 32; 77Eps UMa ; 1.76; 11000;occ; 86; 0;42282
18; 3334.4; 01-APR-2010 22:40:34; Bright; 37.0; 60; 7Bet UMi ; 2.08; 3950;occ; 74; 0;42282
19; 3901.3; 01-APR-2010 22:50:01; Bright; 36.0; 89; 5Alp Cep ; 2.45; 8000;occ; 72; 0;42282
20; 4213.2; 01-APR-2010 22:55:12; Bright; 42.0; 19; 50Alp Cyg ; 1.25; 10500;occ; 84; 0;42282
21; 4312.8; 01-APR-2010 22:56:52; Bright; 46.5; 66; 37Gam Cyg ; 2.21; 5900;occ; 93; 0;42282
22; 4435.4; 01-APR-2010 22:58:55; Bright; 44.0; 92; 53Eps Cyg ; 2.50; 4500;occ; 88; 0;42282
23; 4829.9; 01-APR-2010 23:05:29; Dark ; 46.5; 61; 8Eps Peg ; 2.10; 3900;occ; 93; 0;42282
24; 5106.4; 01-APR-2010 23:10:06; Dark ; 41.5; 154; 22Bet Aqr ; 2.90; 5700;occ; 83; 0;42282
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2; -131.7; 01-APR-2010 23:23:23; Dark ; 36.0; 57; 34Sig Sgr ; 2.07; 26000;occ; 72; 0;42282
3; 82.4; 01-APR-2010 23:26:58; Dark ; 55.0; 38; 20Eps Sgr ; 1.84; 11000;occ; 110; 0;42283
4; 307.6; 01-APR-2010 23:30:43; Dark ; 52.5; 40; The Sco ; 1.86; 7100;occ; 105; 0;42283
5; 522.1; 01-APR-2010 23:34:17; Dark ; 40.0; 134; Bet TrA ; 2.81; 6600;occ; 80; 0;42283
6; 680.0; 01-APR-2010 23:36:55; Dark ; 44.5; 4; Alp1Cen ; -0.01; 5800;occ; 89; 0;42283
7; 846.3; 01-APR-2010 23:39:41; Dark ; 46.0; 78; Alp Lup ; 2.30; 28000;occ; 92; 0;42283
8; 942.9; 01-APR-2010 23:41:18; Dark ; 46.5; 81; Eta Cen ; 2.36; 28000;occ; 93; 0;42283
9; 1105.5; 01-APR-2010 23:44:01; Dark ; 53.5; 54; 5The Cen ; 2.06; 4500;occ; 107; 0;42283
10; 1462.5; 01-APR-2010 23:49:58; Dark ; 45.5; 106; 9Bet Crv ; 2.65; 5600;occ; 91; 0;42283
11; 1579.8; 01-APR-2010 23:51:55; Dark ; 44.5; 100; 4Gam Crv ; 2.58; 13100;occ; 89; 0;42283
12; 1687.6; 01-APR-2010 23:53:43; Dark ; 60.0; 15; 67Alp Vir ; 0.98; 28000;occ; 120; 0;42283
13; 1881.7; 01-APR-2010 23:56:57; Bright; 45.0; 121; 29Gam Vir ; 2.74; 7200;occ; 90; 0;42283
14; 2159.6; 02-APR-2010 00:01:35; Bright; 39.5; 62; 94Bet Leo ; 2.14; 9700;occ; 79; 0;42283
15; 2665.6; 02-APR-2010 00:10:01; Bright; 35.0; 174; 52Psi UMa ; 3.00; 4400;occ; 70; 0;42283
16; 2845.7; 02-APR-2010 00:13:01; Bright; 37.0; 87; 64Gam UMa ; 2.43; 11000;occ; 74; 0;42283
17; 2954.5; 02-APR-2010 00:14:50; Bright; 42.5; 32; 77Eps UMa ; 1.76; 11000;occ; 85; 0;42283
18; 3334.0; 02-APR-2010 00:21:09; Bright; 41.0; 60; 7Bet UMi ; 2.08; 3950;occ; 82; 0;42283
19; 3901.1; 02-APR-2010 00:30:36; Bright; 39.5; 89; 5Alp Cep ; 2.45; 8000;occ; 79; 0;42283
20; 4213.4; 02-APR-2010 00:35:49; Bright; 45.0; 19; 50Alp Cyg ; 1.25; 10500;occ; 90; 0;42283
21; 4312.7; 02-APR-2010 00:37:28; Bright; 45.0; 66; 37Gam Cyg ; 2.21; 5900;occ; 90; 0;42283
22; 4435.6; 02-APR-2010 00:39:31; Bright; 44.5; 92; 53Eps Cyg ; 2.50; 4500;occ; 89; 0;42283
23; 4830.0; 02-APR-2010 00:46:05; Dark ; 45.5; 61; 8Eps Peg ; 2.10; 3900;occ; 91; 0;42283
24; 5106.5; 02-APR-2010 00:50:42; Dark ; 44.0; 154; 22Bet Aqr ; 2.90; 5700;occ; 88; 0;42283
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 9; 517.0; 01-APR-2010 06:48:13; Dark ; 40.5; 134; Bet TrA ; 2.81; 6600;occ; 81; 0;42273  
 10; 675.4; 01-APR-2010 06:50:51; Dark ; 48.5; 4; Alp1Cen ; -0.01; 5800;occ; 97; 0;42273  
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 12; 936.4; 01-APR-2010 06:55:12; Dark ; 50.0; 81; Eta Cen ; 2.36; 28000;occ; 100; 0;42273  
 13; 1100.6; 01-APR-2010 06:57:57; Dark ; 53.5; 54; 5The Cen ; 2.06; 4500;occ; 107; 0;42273  
 14; 1460.4; 01-APR-2010 07:03:56; Dark ; 46.0; 106; 9Bet Crv ; 2.65; 5600;occ; 92; 0;42273  
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 14; 5891.9; 01-APR-2010 08:17:48; Dark ; 55.5; 57; 34Sig Sgr ; 2.07; 26000;occ; 111; 0;42273  
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 4; 2666.1; 01-APR-2010 09:04:38; Bright; 36.5; 174; 52Psi UMa ; 3.00; 4400;occ; 73; 0;42274  
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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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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
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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
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3; 83.7; 02-APR-2010 01:07:35; Dark ; 57.5; 38; 20Eps Sgr ; 1.84; 11000;occ; 115; 0;42284
4; 308.7; 02-APR-2010 01:11:20; Dark ; 54.0; 40; The Sco ; 1.86; 7100;occ; 108; 0;42284
5; 522.4; 02-APR-2010 01:14:53; Dark ; 38.0; 134; Bet TrA ; 2.81; 6600;occ; 76; 0;42284
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9; 1106.2; 02-APR-2010 01:24:37; Dark ; 51.5; 54; 5The Cen ; 2.06; 4500;occ; 103; 0;42284
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 39; 8701.4; 02-APR-2010 03:31:12; Bright; 37.5; 174; 52Psi UMa ; 3.00; 4400;occ; 75; 0;42285  
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 9; 2667.7; 02-APR-2010 20:17:14; Bright; 35.0; 174; 52Psi UMa ; 3.00; 4400;occ; 70; 0;42295
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 8; 854.2; 02-APR-2010 21:27:36; Dark ; 47.5; 78; Alp Lup ; 2.30; 28000;occ; 95; 0;42296
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12; 2157.0; 04-APR-2010 00:38:54; Bright; 39.0; 62; 94Bet Leo ; 2.14; 9700;occ; 78; 0;42312

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 7; 3327.6; 03-APR-2010 08:12:25; Bright; 58.0; 60; 7Bet UMi ; 2.08; 3950;occ; 116; 0;42302  
 8; 3899.7; 03-APR-2010 08:21:58; Bright; 38.0; 89; 5Alp Cep ; 2.45; 8000;occ; 76; 0;42302  
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 12; 4835.5; 03-APR-2010 08:37:33; Dark ; 48.0; 61; 8Eps Peg ; 2.10; 3900;occ; 96; 0;42302  
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 19; 6894.3; 03-APR-2010 09:11:52; Dark ; 44.0; 78; Alp Lup ; 2.30; 28000;occ; 88; 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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 8; 3899.6; 03-APR-2010 11:43:09; Bright; 38.5; 89; 5Alp Cep ; 2.45; 8000;occ; 77; 0;42304
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11; 4194.2; 03-APR-2010 15:09:15; Bright; 48.5; 144; 18Del Cyg ; 2.86; 11000;occ; 97; 0;42306
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17; 1875.9; 07-APR-2010 05:41:45; Bright; 41.5; 121; 29Gam Vir ; 2.74; 7200;occ; 83; 0;42358
18; 2155.4; 07-APR-2010 05:46:25; Bright; 37.5; 62; 94Bet Leo ; 2.14; 9700;occ; 75; 0;42358
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 4; 2155.3; 07-APR-2010 12:28:48; Bright; 36.5; 62; 94Bet Leo ; 2.14; 9700;occ; 73; 0;42362  
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 6; 2830.8; 07-APR-2010 12:40:04; Bright; 37.5; 87; 64Gam UMa ; 2.43; 11000;occ; 75; 0;42362  
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 4; 514.3; 14-APR-2010 21:44:55; Dark ; 65.0; 40; The Sco ; 1.86; 7100;occ; 130; 0;42468  
 5; 946.2; 14-APR-2010 21:52:07; Dark ; 43.5; 78; Alp Lup ; 2.30; 28000;occ; 87; 0;42468

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13;	2593.1;	14-APR-2010	22:19:33;	Bright;	39.0;	152;	12Alp2CVn ;	2.89;	11000;occ;	78;	0;42468
14;	2855.4;	14-APR-2010	22:23:56;	Bright;	44.0;	39;	85Eta UMa ;	1.85;	24000;occ;	88;	0;42468
15;	3277.0;	14-APR-2010	22:30:57;	Bright;	38.5;	60;	7Bet UMi ;	2.08;	3950;occ;	77;	0;42468
16;	3368.5;	14-APR-2010	22:32:29;	Bright;	47.5;	119;	14Eta Dra ;	2.73;	4700;occ;	95;	0;42468
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22;	5196.8;	14-APR-2010	23:02:57;	Dark ;	51.0;	154;	22Bet Aqr ;	2.90;	5700;occ;	102;	0;42468
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5;	1042.5;	14-APR-2010	23:34:19;	Dark ;	46.5;	81;	Eta Cen ;	2.36;	28000;occ;	93;	0;42469
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7;	1471.5;	14-APR-2010	23:41:28;	Dark ;	44.0;	169;	46Gam Hya ;	2.99;	4700;occ;	88;	0;42469
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13;	2855.0;	15-APR-2010	00:04:31;	Bright;	39.5;	39;	85Eta UMa ;	1.85;	24000;occ;	79;	0;42469
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16;	3880.8;	15-APR-2010	00:21:37;	Bright;	40.0;	89;	5Alp Cep ;	2.45;	8000;occ;	80;	0;42469
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19;	4894.6;	15-APR-2010	00:38:31;	Dark ;	50.0;	61;	8Eps Peg ;	2.10;	3900;occ;	100;	0;42469
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6;	-844.4;	14-APR-2010	07:57:29;	Dark ;	47.5;	154;	22Bet Aqr ;	2.90;	5700;occ;	95;	0;42459
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8;	-132.4;	14-APR-2010	08:09:21;	Dark ;	59.0;	0;	;	0.00;	0;occ;	118;	0;42459
9;	505.6;	14-APR-2010	08:19:59;	Dark ;	54.0;	40;	The Sco ;	1.86;	7100;occ;	108;	0;42460
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3;	2105.6;	14-APR-2010	08:46:39;	Bright;	41.0;	138;	47Eps Vir ;	2.83;	4700;occ;	82;	0;42460
4;	2595.3;	14-APR-2010	08:54:48;	Bright;	39.0;	152;	12Alp2CVn ;	2.89;	11000;occ;	78;	0;42460
5;	2820.8;	14-APR-2010	08:58:34;	Bright;	36.5;	87;	64Gam UMa ;	2.43;	11000;occ;	73;	0;42460
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 5; 1699.2; 22-APR-2010 21:12:55; Bright; 43.0; 15; 67Alp Vir ; 0.98; 28000;occ; 86; 0;42582
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 7; 2262.9; 22-APR-2010 21:22:18; Bright; 42.0; 111; 8Eta Boo ; 2.68; 6000;occ; 84; 0;42582

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2; 1206.0; 30-APR-2010 18:32:21; Dark ; 61.5; 136; 23Tau Sco ; 2.82; 30000;occ; 123; 0;42695
3; 1398.6; 30-APR-2010 18:35:34; Dark ; 60.0; 80; 7Del Sco ; 2.32; 30000;occ; 120; 0;42695
4; 1589.8; 30-APR-2010 18:38:45; Bright; 42.0; 122; 9Alp2Lib ; 2.75; 9700;occ; 84; 0;42695
5; 1728.4; 30-APR-2010 18:41:04; Bright; 49.0; 104; 27Bet Lib ; 2.61; 13100;occ; 98; 0;42695
6; 2234.3; 30-APR-2010 18:49:29; Bright; 39.5; 111; 8Eta Boo ; 2.68; 6000;occ; 79; 0;42695
7; 2458.7; 30-APR-2010 18:53:14; Bright; 45.5; 83; ; 2.38; 11000;occ; 91; 0;42695
8; 2639.0; 30-APR-2010 18:56:14; Bright; 42.0; 180; 27Gam Boo ; 3.04; 8000;occ; 84; 0;42695
9; 2772.0; 30-APR-2010 18:58:27; Bright; 39.5; 39; 85Eta UMa ; 1.85; 24000;occ; 79; 0;42695
10; 3214.0; 30-APR-2010 19:05:49; Bright; 45.5; 119; 14Eta Dra ; 2.73; 4700;occ; 91; 0;42695
11; 3830.0; 30-APR-2010 19:16:05; Bright; 44.0; 89; 5Alp Cep ; 2.45; 8000;occ; 88; 0;42695
12; 4142.0; 30-APR-2010 19:21:17; Bright; 42.0; 19; 50Alp Cyg ; 1.25; 10500;occ; 84; 0;42695
13; 4507.4; 30-APR-2010 19:27:23; Bright; 45.5; 164; 44Eta Peg ; 2.95; 5400;occ; 91; 0;42695
14; 4772.1; 30-APR-2010 19:31:47; Dark ; 44.0; 90; 54Alp Peg ; 2.49; 11000;occ; 88; 0;42695
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16; 5173.7; 30-APR-2010 19:38:29; Dark ; 56.5; 162; 34Alp Aqr ; 2.94; 5350;occ; 113; 0;42695
17; 5394.5; 30-APR-2010 19:42:10; Dark ; 58.0; 154; 22Bet Aqr ; 2.90; 5700;occ; 116; 0;42695
18; 5551.9; 30-APR-2010 19:44:47; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;42695
19; 5793.2; 30-APR-2010 19:48:48; Dark ; 40.5; 172; Gam Gru ; 3.00; 13100;occ; 81; 0;42695
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21; 6778.6; 30-APR-2010 20:05:14; Dark ; 58.0; 40; The Sco ; 1.86; 7100;occ; 116; 0;42696
22; 6883.6; 30-APR-2010 20:06:59; Dark ; 61.0; 25; 35Lam Sco ; 1.62; 28000;occ; 122; 0;42696

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