

# GOMOS Daily Report 23-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	26APR2010 04:50:21
Data source version	GOMOS/5.00L04
Start time of products	23APR2010 00:07:35
Stop time of products	23APR2010 23:54:38
Store outputs in DB	Yes
Nb of level 1b prods	114
Nb of prods with errors	0

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

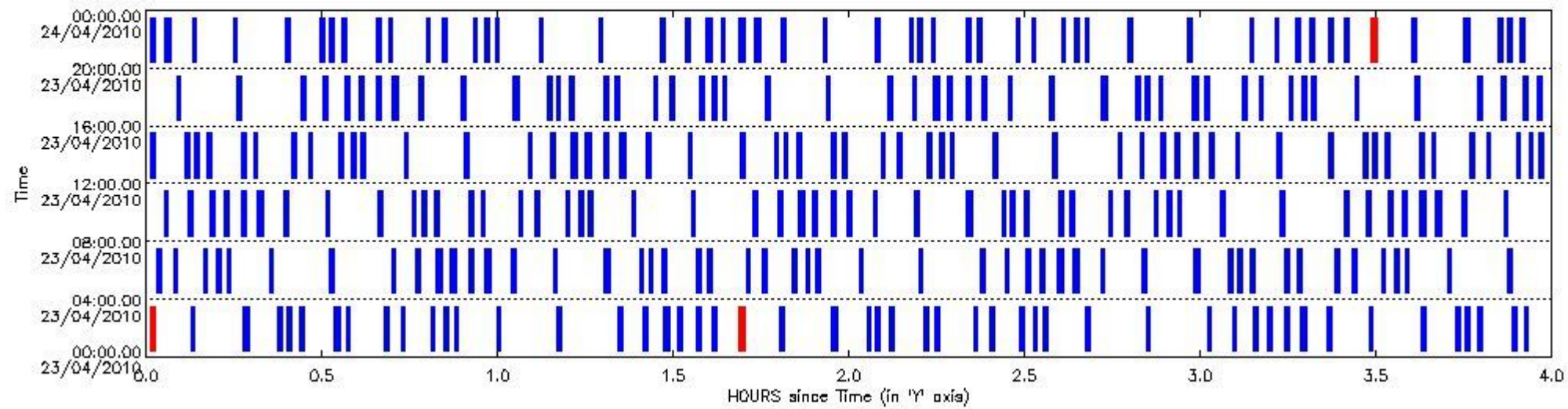
### 2.1 Level 0 products arrived in PCF (see template [here](#))

### 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
23-APR-2010 00:00:39	GamGru	172	42583
23-APR-2010 01:41:16	GamGru	172	42584
23-APR-2010 23:29:11	GamGru	172	42597

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

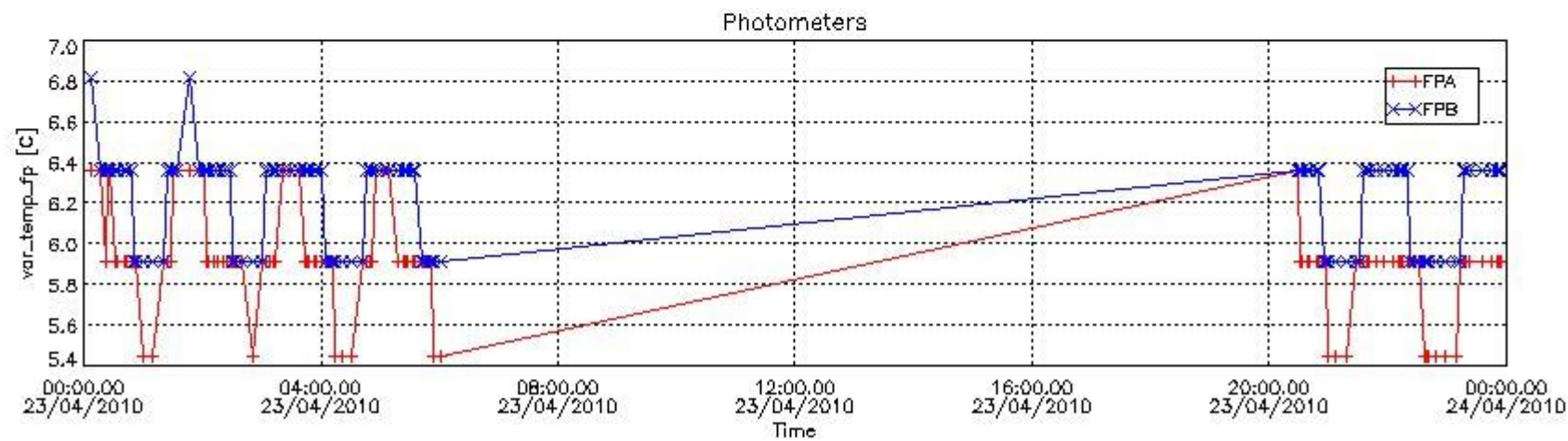
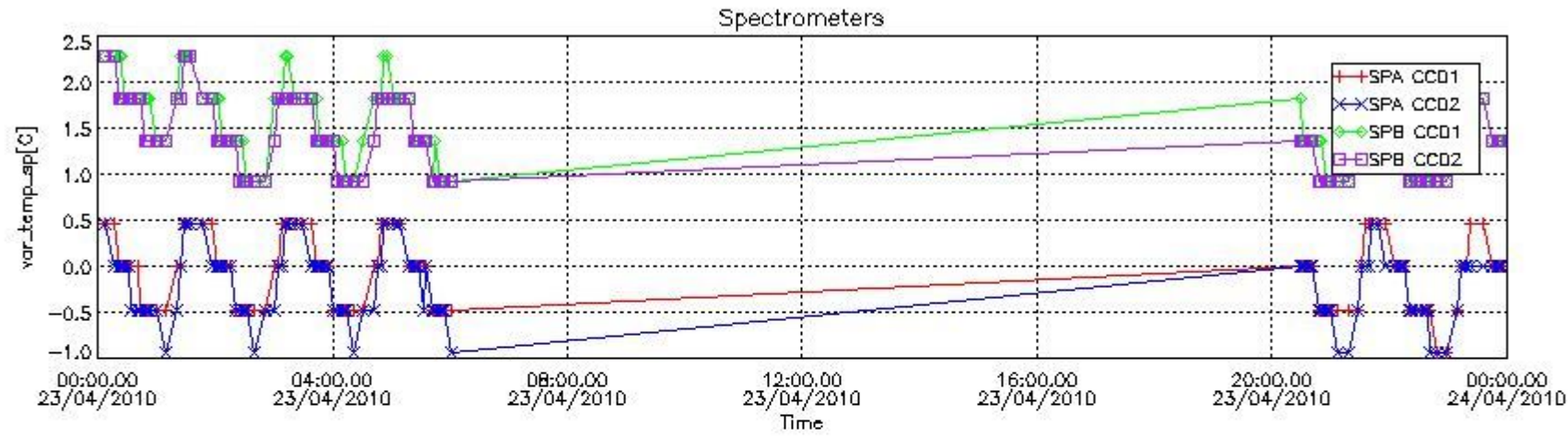
Nr	Filename	UTC Start time	Limb	Duration	Star Id	Star Name	Star Mag	Star Temp	Nb Meas	Orbit	Prod. error
1	GOM_TRA_1PNPDE20100423_000735_000000402088_00446_42584_6034.N1	23-APR-2010 00:07:35	Dark	40.000	45	Alp Pav	1.9400	26000.	80	42584	No
2	GOM_TRA_1PNPDE20100423_001623_000000642088_00446_42584_6035.N1	23-APR-2010 00:16:23	Straylight	64.000	40	The Sco	1.8590	7100.0	128	42584	No
3	GOM_TRA_1PNPDE20100423_002223_000000422088_00446_42584_6036.N1	23-APR-2010 00:22:23	Straylight	41.500	78	Alp Lup	2.3040	28000.	83	42584	No
4	GOM_TRA_1PNPDE20100423_002357_000000452088_00446_42584_6037.N1	23-APR-2010 00:23:57	Straylight	45.000	81	Eta Cen	2.3560	28000.	90	42584	No
5	GOM_TRA_1PNPDE20100423_002611_000000462088_00446_42584_6038.N1	23-APR-2010 00:26:11	Straylight	46.000	54	5The Cen	2.0550	4500.0	92	42584	No
6	GOM_TRA_1PNPDE20100423_003205_000000542088_00446_42584_6039.N1	23-APR-2010 00:32:05	Bright	53.500	122	9Alp2Lib	2.7470	9700.0	107	42584	No
7	GOM_TRA_1PNPDE20100423_003406_000000422088_00446_42584_6040.N1	23-APR-2010 00:34:06	Bright	42.000	15	67Alp Vir	0.97600	28000.	84	42584	No
8	GOM_TRA_1PNPDE20100423_004040_000000382088_00446_42584_6041.N1	23-APR-2010 00:40:40	Bright	37.500	138	47Eps Vir	2.8280	4700.0	75	42584	No

9	GOM_TRA_1PNPDE20100423_004329_000000412088_00446_42584_6042.N1	23-APR-2010 00:43:29	Bright	41.000	111	8Eta Boo	2.6800	6000.0	82	42584	No
10	GOM_TRA_1PNPDE20100423_004835_000000372088_00446_42584_6043.N1	23-APR-2010 00:48:35	Bright	37.000	152	12Alp2CVn	2.8900	11000.	74	42584	No
11	GOM_TRA_1PNPDE20100423_005049_000000462088_00446_42584_6044.N1	23-APR-2010 00:50:49	Bright	46.000	180	27Gam Boo	3.0400	8000.0	92	42584	No
12	GOM_TRA_1PNPDE20100423_005232_000000392088_00446_42584_6045.N1	23-APR-2010 00:52:32	Bright	38.500	39	85Eta UMa	1.8540	24000.	77	42584	No
13	GOM_TRA_1PNPDE20100423_005952_000000402088_00446_42584_6046.N1	23-APR-2010 00:59:52	Bright	39.500	60	7Bet UMi	2.0810	3950.0	79	42584	No
14	GOM_TRA_1PNPDE20100423_011006_000000402088_00446_42584_6047.N1	23-APR-2010 01:10:06	Bright	40.000	89	5Alp Cep	2.4510	8000.0	80	42584	No
15	GOM_TRA_1PNPDE20100423_012037_000000382088_00446_42584_6048.N1	23-APR-2010 01:20:37	Bright	38.000	164	44Eta Peg	2.9480	5400.0	76	42584	No
16	GOM_TRA_1PNPDE20100423_012448_000000432088_00446_42584_6049.N1	23-APR-2010 01:24:48	Tw_i_and_stray	42.500	90	54Alp Peg	2.4870	11000.	85	42584	No
17	GOM_TRA_1PNPDE20100423_012819_000000562088_00446_42584_6050.N1	23-APR-2010 01:28:19	Dark	55.500	61	8Eps Peg	2.1000	3900.0	111	42584	No
18	GOM_TRA_1PNPDE20100423_013046_000000472088_00446_42584_6051.N1	23-APR-2010 01:30:46	Dark	47.000	162	34Alp Aqr	2.9440	5350.0	94	42584	No
19	GOM_TRA_1PNPDE20100423_013349_000000552088_00446_42584_6054.N1	23-APR-2010 01:33:49	Dark	54.500	154	22Bet Aqr	2.8990	5700.0	109	42584	No
20	GOM_TRA_1PNPDE20100423_014811_000000402088_00447_42585_6055.N1	23-APR-2010 01:48:11	Dark	40.000	45	Alp Pav	1.9400	26000.	80	42585	No
21	GOM_TRA_1PNPDE20100423_015700_000000552088_00447_42585_6056.N1	23-APR-2010 01:57:00	Straylight	54.500	40	The Sco	1.8590	7100.0	109	42585	No
22	GOM_TRA_1PNPDE20100423_020259_000000432088_00447_42585_6057.N1	23-APR-2010 02:02:59	Straylight	43.000	78	Alp Lup	2.3040	28000.	86	42585	No
23	GOM_TRA_1PNPDE20100423_020434_000000432088_00447_42585_6058.N1	23-APR-2010 02:04:34	Straylight	43.000	81	Eta Cen	2.3560	28000.	86	42585	No
24	GOM_TRA_1PNPDE20100423_020647_000000472088_00447_42585_6059.N1	23-APR-2010 02:06:47	Straylight	46.500	54	5The Cen	2.0550	4500.0	93	42585	No
25	GOM_TRA_1PNPDE20100423_021241_000000492088_00447_42585_6060.N1	23-APR-2010 02:12:41	Bright	49.000	122	9Alp2Lib	2.7470	9700.0	98	42585	No
26	GOM_TRA_1PNPDE20100423_021443_000000412088_00447_42585_6061.N1	23-APR-2010 02:14:43	Bright	40.500	15	67Alp Vir	0.97600	28000.	81	42585	No
27	GOM_TRA_1PNPDE20100423_022116_000000382088_00447_42585_6062.N1	23-APR-2010 02:21:16	Bright	37.500	138	47Eps Vir	2.8280	4700.0	75	42585	No
28	GOM_TRA_1PNPDE20100423_022405_000000442088_00447_42585_6063.N1	23-APR-2010 02:24:05	Bright	44.000	111	8Eta Boo	2.6800	6000.0	88	42585	No
29	GOM_TRA_1PNPDE20100423_022911_000000362088_00447_42585_6064.N1	23-APR-2010 02:29:11	Bright	36.000	152	12Alp2CVn	2.8900	11000.	72	42585	No
30	GOM_TRA_1PNPDE20100423_023124_000000452088_00447_42585_6065.N1	23-APR-2010 02:31:24	Bright	45.000	180	27Gam Boo	3.0400	8000.0	90	42585	No
31	GOM_TRA_1PNPDE20100423_023308_000000422088_00447_42585_6066.N1	23-APR-2010 02:33:08	Bright	41.500	39	85Eta UMa	1.8540	24000.	83	42585	No
32	GOM_TRA_1PNPDE20100423_024028_000000422088_00447_42585_6067.N1	23-APR-2010 02:40:28	Bright	41.500	60	7Bet UMi	2.0810	3950.0	83	42585	No
33	GOM_TRA_1PNPDE20100423_025041_000000412088_00447_42585_6077.N1	23-APR-2010 02:50:41	Bright	41.000	89	5Alp Cep	2.4510	8000.0	82	42585	No
34	GOM_TRA_1PNPDE20100423_030113_000000412088_00447_42585_6078.N1	23-APR-2010 03:01:13	Bright	41.000	164	44Eta Peg	2.9480	5400.0	82	42585	No
35	GOM_TRA_1PNPDE20100423_030524_000000412088_00447_42585_6079.N1	23-APR-2010 03:05:24	Tw_i_and_stray	40.500	90	54Alp Peg	2.4870	11000.	81	42585	No
36	GOM_TRA_1PNPDE20100423_030855_000000572088_00447_42585_6080.N1	23-APR-2010 03:08:55	Dark	57.000	61	8Eps Peg	2.1000	3900.0	114	42585	No
37	GOM_TRA_1PNPDE20100423_031122_000000482088_00447_42585_6081.N1	23-APR-2010 03:11:22	Dark	47.500	162	34Alp Aqr	2.9440	5350.0	95	42585	No
38	GOM_TRA_1PNPDE20100423_031425_000000522088_00447_42585_6082.N1	23-APR-2010 03:14:25	Dark	52.000	154	22Bet Aqr	2.8990	5700.0	104	42585	No
39	GOM_TRA_1PNPDE20100423_032143_000000432088_00447_42585_6083.N1	23-APR-2010 03:21:43	Dark	43.000	172	Gam Gru	3.0030	13100.	86	42585	No
40	GOM_TRA_1PNPDE20100423_032848_000000402088_00448_42586_6084.N1	23-APR-2010 03:28:48	Dark	39.500	45	Alp Pav	1.9400	26000.	79	42586	No
41	GOM_TRA_1PNPDE20100423_033737_000000522088_00448_42586_6085.N1	23-APR-2010 03:37:37	Straylight	51.500	40	The Sco	1.8590	7100.0	103	42586	No
42	GOM_TRA_1PNPDE20100423_034335_000000432088_00448_42586_6086.N1	23-APR-2010 03:43:35	Straylight	42.500	78	Alp Lup	2.3040	28000.	85	42586	No
43	GOM_TRA_1PNPDE20100423_034510_000000452088_00448_42586_6087.N1	23-APR-2010 03:45:10	Straylight	44.500	81	Eta Cen	2.3560	28000.	89	42586	No
44	GOM_TRA_1PNPDE20100423_034723_000000472088_00448_42586_6088.N1	23-APR-2010 03:47:23	Straylight	46.500	54	5The Cen	2.0550	4500.0	93	42586	No
45	GOM_TRA_1PNPDE20100423_035317_000000522088_00448_42586_6089.N1	23-APR-2010 03:53:17	Bright	52.000	122	9Alp2Lib	2.7470	9700.0	104	42586	No
46	GOM_TRA_1PNPDE20100423_035518_000000412088_00448_42586_6090.N1	23-APR-2010 03:55:18	Bright	40.500	15	67Alp Vir	0.97600	28000.	81	42586	No
47	GOM_TRA_1PNPDE20100423_040152_000000382088_00448_42586_6091.N1	23-APR-2010 04:01:52	Bright	37.500	138	47Eps Vir	2.8280	4700.0	75	42586	No
48	GOM_TRA_1PNPDE20100423_040440_000000412088_00448_42586_6092.N1	23-APR-2010 04:04:40	Bright	41.000	111	8Eta Boo	2.6800	6000.0	82	42586	No
49	GOM_TRA_1PNPDE20100423_040947_000000382088_00448_42586_6093.N1	23-APR-2010 04:09:47	Bright	38.000	152	12Alp2CVn	2.8900	11000.	76	42586	No
50	GOM_TRA_1PNPDE20100423_041159_000000442088_00448_42586_6094.N1	23-APR-2010 04:11:59	Bright	44.000	180	27Gam Boo	3.0400	8000.0	88	42586	No
51	GOM_TRA_1PNPDE20100423_041343_000000382088_00448_42586_6095.N1	23-APR-2010 04:13:43	Bright	38.000	39	85Eta UMa	1.8540	24000.	76	42586	No
52	GOM_TRA_1PNPDE20100423_042104_000000382088_00448_42586_6096.N1	23-APR-2010 04:21:04	Bright	37.500	60	7Bet UMi	2.0810	3950.0	75	42586	No
53	GOM_TRA_1PNPDE20100423_043117_000000422088_00448_42586_6106.N1	23-APR-2010 04:31:17	Bright	41.500	89	5Alp Cep	2.4510	8000.0	83	42586	No
54	GOM_TRA_1PNPDE20100423_044150_000000392088_00448_42586_6107.N1	23-APR-2010 04:41:50	Bright	39.000	164	44Eta Peg	2.9480	5400.0	78	42586	No
55	GOM_TRA_1PNPDE20100423_044600_000000432088_00448_42586_6108.N1	23-APR-2010 04:46:00	Tw_i_and_stray	43.000	90	54Alp Peg	2.4870	11000.	86	42586	No
56	GOM_TRA_1PNPDE20100423_044931_000000582088_00448_42586_6109.N1	23-APR-2010 04:49:31	Dark	58.000	61	8Eps Peg	2.1000	3900.0	116	42586	No
57	GOM_TRA_1PNPDE20100423_045159_000000512088_00448_42586_6110.N1	23-APR-2010 04:51:59	Dark	50.500	162	34Alp Aqr	2.9440	5350.0	101	42586	No
58	GOM_TRA_1PNPDE20100423_045502_000000552088_00448_42586_6111.N1	23-APR-2010 04:55:02	Dark	54.500	154	22Bet Aqr	2.8990	5700.0	109	42586	No
59	GOM_TRA_1PNPDE20100423_050220_000000422088_00448_42586_6112.N1	23-APR-2010 05:02:20	Dark	42.000	172	Gam Gru	3.0030	13100.	84	42586	No
60	GOM_TRA_1PNPDE20100423_050925_000000412088_00449_42587_6113.N1	23-APR-2010 05:09:25	Dark	40.500	45	Alp Pav	1.9400	26000.	81	42587	No
61	GOM_TRA_1PNPDE20100423_051814_000000532088_00449_42587_6114.N1	23-APR-2010 05:18:14	Straylight	53.000	40	The Sco	1.8590	7100.0	106	42587	No
62	GOM_TRA_1PNPDE20100423_052412_000000422088_00449_42587_6115.N1	23-APR-2010 05:24:12	Straylight	42.000	78	Alp Lup	2.3040	28000.	84	42587	No
63	GOM_TRA_1PNPDE20100423_052546_000000432088_00449_42587_6116.N1	23-APR-2010 05:25:46	Straylight	42.500	81	Eta Cen	2.3560	28000.	85	42587	No
64	GOM_TRA_1PNPDE20100423_052800_000000462088_00449_42587_6117.N1	23-APR-2010 05:28:00	Straylight	46.000	54	5The Cen	2.0550	4500.0	92	42587	No
65	GOM_TRA_1PNPDE20100423_053353_000000512088_00449_42587_6118.N1	23-APR-2010 05:33:53	Bright	51.000	122	9Alp2Lib	2.7470	9700.0	102	42587	No
66	GOM_TRA_1PNPDE20100423_053554_000000412088_00449_42587_6119.N1	23-APR-2010 05:35:54	Bright	40.500	15	67Alp Vir	0.97600	28000.	81	42587	No
67	GOM_TRA_1PNPDE20100423_054228_000000372088_00449_42587_6120.N1	23-APR-2010 05:42:28	Bright	37.000	138	47Eps Vir	2.8280	4700.0	74	42587	No

68	GOM_TRA_1PNPDE20100423_054516_000000442088_00449_42587_6121.N1	23-APR-2010 05:45:16	Bright	43.500	111	8Eta Boo	2.6800	6000.0	87	42587	No
69	GOM_TRA_1PNPDE20100423_055023_000000372088_00449_42587_6122.N1	23-APR-2010 05:50:23	Bright	37.000	152	12Alp2CVn	2.8900	11000.	74	42587	No
70	GOM_TRA_1PNPDE20100423_055234_000000432088_00449_42587_6123.N1	23-APR-2010 05:52:34	Bright	43.000	180	27Gam Boo	3.0400	8000.0	86	42587	No
71	GOM_TRA_1PNPDE20100423_055419_000000402088_00449_42587_6124.N1	23-APR-2010 05:54:19	Bright	39.500	39	85Eta UMa	1.8540	24000.	79	42587	No
72	GOM_TRA_1PNPDE20100423_060139_000000382088_00449_42587_6125.N1	23-APR-2010 06:01:39	Bright	38.000	60	7Bet UMi	2.0810	3950.0	76	42587	No
73	GOM_TRA_1PNPDE20100423_202939_000000422088_00458_42596_6228.N1	23-APR-2010 20:29:39	Straylight	42.000	78	Alp Lup	2.3040	28000.	84	42596	No
74	GOM_TRA_1PNPDE20100423_203113_000000432088_00458_42596_6229.N1	23-APR-2010 20:31:13	Straylight	42.500	81	Eta Cen	2.3560	28000.	85	42596	No
75	GOM_TRA_1PNPDE20100423_203325_000000432088_00458_42596_6230.N1	23-APR-2010 20:33:25	Straylight	42.500	54	5The Cen	2.0550	4500.0	85	42596	No
76	GOM_TRA_1PNPDE20100423_203918_000000512088_00458_42596_6231.N1	23-APR-2010 20:39:18	Bright	51.000	122	9Alp2Lib	2.7470	9700.0	102	42596	No
77	GOM_TRA_1PNPDE20100423_204119_000000412088_00458_42596_6232.N1	23-APR-2010 20:41:19	Bright	40.500	15	67Alp Vir	0.97600	28000.	81	42596	No
78	GOM_TRA_1PNPDE20100423_204751_000000372088_00458_42596_6233.N1	23-APR-2010 20:47:51	Bright	36.500	138	47Eps Vir	2.8280	4700.0	73	42596	No
79	GOM_TRA_1PNPDE20100423_205037_000000442088_00458_42596_6234.N1	23-APR-2010 20:50:37	Bright	43.500	111	8Eta Boo	2.6800	6000.0	87	42596	No
80	GOM_TRA_1PNPDE20100423_205545_000000372088_00458_42596_6235.N1	23-APR-2010 20:55:45	Bright	37.000	152	12Alp2CVn	2.8900	11000.	74	42596	No
81	GOM_TRA_1PNPDE20100423_205752_000000442088_00458_42596_6236.N1	23-APR-2010 20:57:52	Bright	44.000	180	27Gam Boo	3.0400	8000.0	88	42596	No
82	GOM_TRA_1PNPDE20100423_205939_000000392088_00458_42596_6237.N1	23-APR-2010 20:59:39	Bright	38.500	39	85Eta UMa	1.8540	24000.	77	42596	No
83	GOM_TRA_1PNPDE20100423_210701_000000402088_00458_42596_6238.N1	23-APR-2010 21:07:01	Bright	39.500	60	7Bet UMi	2.0810	3950.0	79	42596	No
84	GOM_TRA_1PNPDE20100423_211714_000000402088_00458_42596_6239.N1	23-APR-2010 21:17:14	Bright	39.500	89	5Alp Cep	2.4510	8000.0	79	42596	No
85	GOM_TRA_1PNPDE20100423_212750_000000422088_00458_42596_6240.N1	23-APR-2010 21:27:50	Bright	42.000	164	44Eta Peg	2.9480	5400.0	84	42596	No
86	GOM_TRA_1PNPDE20100423_213202_000000442088_00458_42596_6241.N1	23-APR-2010 21:32:02	Tw_i_and_stray	44.000	90	54Alp Peg	2.4870	11000.	88	42596	No
87	GOM_TRA_1PNPDE20100423_213536_000000592088_00458_42596_6242.N1	23-APR-2010 21:35:36	Dark	59.000	61	8Eps Peg	2.1000	3900.0	118	42596	No
88	GOM_TRA_1PNPDE20100423_213804_000000472088_00458_42596_6243.N1	23-APR-2010 21:38:04	Dark	47.000	162	34Alp Aqr	2.9440	5350.0	94	42596	No
89	GOM_TRA_1PNPDE20100423_214110_000000572088_00458_42596_6248.N1	23-APR-2010 21:41:10	Dark	57.000	154	22Bet Aqr	2.8990	5700.0	114	42596	No
90	GOM_TRA_1PNPDE20100423_214825_000000422088_00458_42596_6249.N1	23-APR-2010 21:48:25	Dark	42.000	172	Gam Gru	3.0030	13100.	84	42596	No
91	GOM_TRA_1PNPDE20100423_215530_000000402088_00459_42597_6250.N1	23-APR-2010 21:55:30	Dark	40.000	45	Alp Pav	1.9400	26000.	80	42597	No
92	GOM_TRA_1PNPDE20100423_220423_000000572088_00459_42597_6251.N1	23-APR-2010 22:04:23	Straylight	57.000	40	The Sco	1.8590	7100.0	114	42597	No
93	GOM_TRA_1PNPDE20100423_221015_000000422088_00459_42597_6252.N1	23-APR-2010 22:10:15	Straylight	41.500	78	Alp Lup	2.3040	28000.	83	42597	No
94	GOM_TRA_1PNPDE20100423_221149_000000452088_00459_42597_6253.N1	23-APR-2010 22:11:49	Straylight	44.500	81	Eta Cen	2.3560	28000.	89	42597	No
95	GOM_TRA_1PNPDE20100423_221402_000000442088_00459_42597_6254.N1	23-APR-2010 22:14:02	Straylight	44.000	54	5The Cen	2.0550	4500.0	88	42597	No
96	GOM_TRA_1PNPDE20100423_221953_000000512088_00459_42597_6255.N1	23-APR-2010 22:19:53	Bright	51.000	122	9Alp2Lib	2.7470	9700.0	102	42597	No
97	GOM_TRA_1PNPDE20100423_222155_000000422088_00459_42597_6256.N1	23-APR-2010 22:21:55	Bright	42.000	15	67Alp Vir	0.97600	28000.	84	42597	No
98	GOM_TRA_1PNPDE20100423_222827_000000382088_00459_42597_6257.N1	23-APR-2010 22:28:27	Bright	38.000	138	47Eps Vir	2.8280	4700.0	76	42597	No
99	GOM_TRA_1PNPDE20100423_223112_000000422088_00459_42597_6258.N1	23-APR-2010 22:31:12	Bright	42.000	111	8Eta Boo	2.6800	6000.0	84	42597	No
100	GOM_TRA_1PNPDE20100423_223621_000000372088_00459_42597_6259.N1	23-APR-2010 22:36:21	Bright	37.000	152	12Alp2CVn	2.8900	11000.	74	42597	No
101	GOM_TRA_1PNPDE20100423_223827_000000432088_00459_42597_6260.N1	23-APR-2010 22:38:27	Bright	43.000	180	27Gam Boo	3.0400	8000.0	86	42597	No
102	GOM_TRA_1PNPDE20100423_224014_000000392088_00459_42597_6261.N1	23-APR-2010 22:40:14	Bright	38.500	39	85Eta UMa	1.8540	24000.	77	42597	No
103	GOM_TRA_1PNPDE20100423_224736_000000412088_00459_42597_6262.N1	23-APR-2010 22:47:36	Bright	40.500	60	7Bet UMi	2.0810	3950.0	81	42597	No
104	GOM_TRA_1PNPDE20100423_225750_000000412088_00459_42597_6263.N1	23-APR-2010 22:57:50	Bright	40.500	89	5Alp Cep	2.4510	8000.0	81	42597	No
105	GOM_TRA_1PNPDE20100423_230826_000000412088_00459_42597_6264.N1	23-APR-2010 23:08:26	Bright	41.000	164	44Eta Peg	2.9480	5400.0	82	42597	No
106	GOM_TRA_1PNPDE20100423_231238_000000442088_00459_42597_6265.N1	23-APR-2010 23:12:38	Tw_i_and_stray	43.500	90	54Alp Peg	2.4870	11000.	87	42597	No
107	GOM_TRA_1PNPDE20100423_231613_000000532088_00459_42597_6266.N1	23-APR-2010 23:16:13	Dark	52.500	61	8Eps Peg	2.1000	3900.0	105	42597	No
108	GOM_TRA_1PNPDE20100423_231840_000000492088_00459_42597_6267.N1	23-APR-2010 23:18:40	Dark	48.500	162	34Alp Aqr	2.9440	5350.0	97	42597	No
109	GOM_TRA_1PNPDE20100423_232147_000000502088_00459_42597_6266.N1	23-APR-2010 23:21:47	Dark	50.000	154	22Bet Aqr	2.8990	5700.0	100	42597	No
110	GOM_TRA_1PNPDE20100423_233606_000000442088_00460_42598_6267.N1	23-APR-2010 23:36:06	Dark	44.000	45	Alp Pav	1.9400	26000.	88	42598	No
111	GOM_TRA_1PNPDE20100423_234500_000000582088_00460_42598_6268.N1	23-APR-2010 23:45:00	Straylight	57.500	40	The Sco	1.8590	7100.0	115	42598	No
112	GOM_TRA_1PNPDE20100423_235051_000000422088_00460_42598_6269.N1	23-APR-2010 23:50:51	Straylight	42.000	78	Alp Lup	2.3040	28000.	84	42598	No
113	GOM_TRA_1PNPDE20100423_235225_000000442088_00460_42598_6270.N1	23-APR-2010 23:52:25	Straylight	44.000	81	Eta Cen	2.3560	28000.	88	42598	No
114	GOM_TRA_1PNPDE20100423_235438_000000462088_00460_42598_6271.N1	23-APR-2010 23:54:38	Straylight	45.500	54	5The Cen	2.0550	4500.0	91	42598	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).

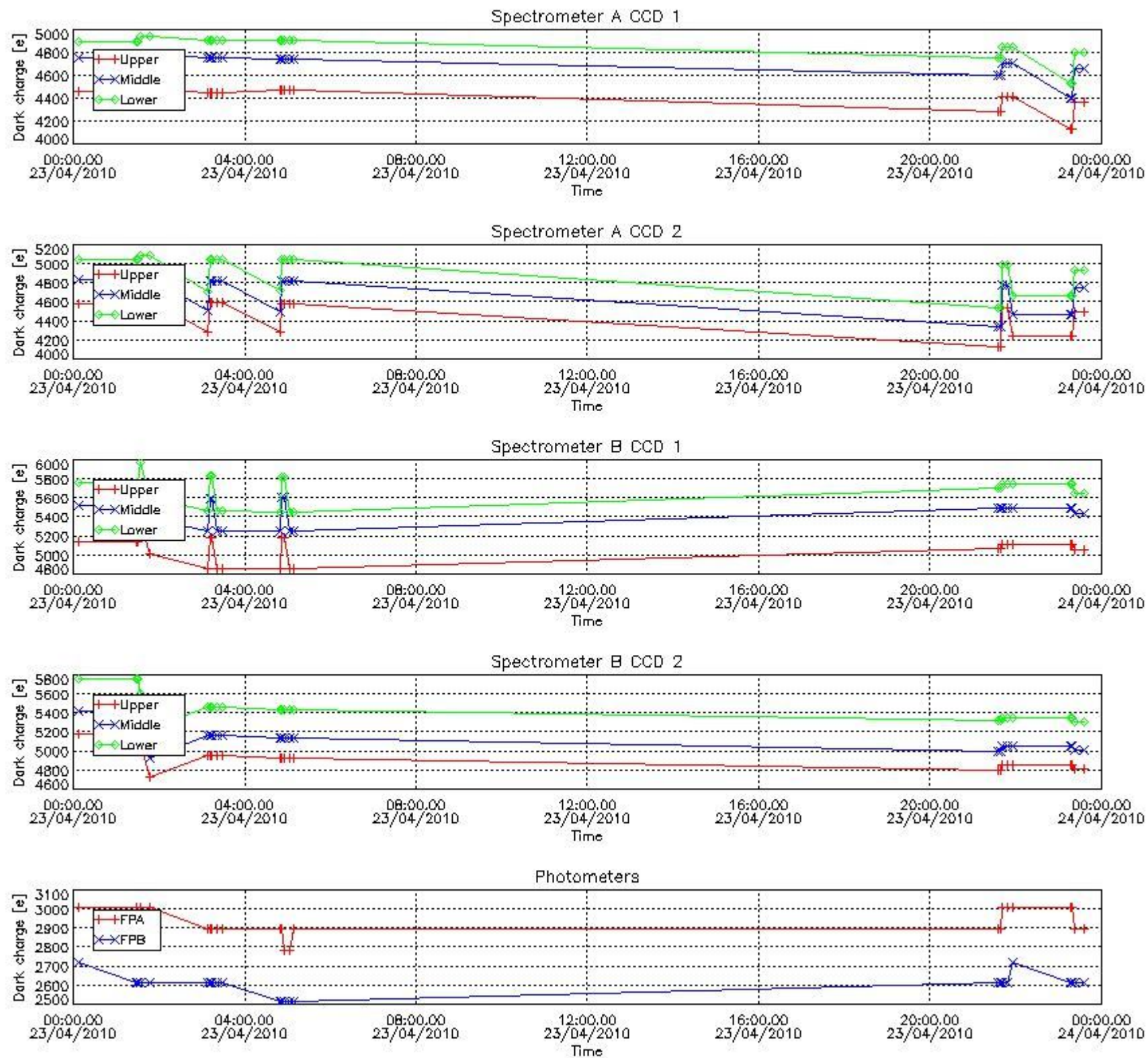
In this section a list of products that did not use the Dark Sky Area (DSA) observation for the DC computation is given. It is also provided the mean DC plot per product for dark limb products with no error flag set.

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

Product name	DC information
GOM_TRA_1PNPDE20100423_202939_000000422088_00458_42596_6228.N1	DC map used
GOM_TRA_1PNPDE20100423_203113_000000432088_00458_42596_6229.N1	DC map used
GOM_TRA_1PNPDE20100423_203325_000000432088_00458_42596_6230.N1	DC map used
GOM_TRA_1PNPDE20100423_203918_000000512088_00458_42596_6231.N1	DC map used
GOM_TRA_1PNPDE20100423_204119_000000412088_00458_42596_6232.N1	DC map used
GOM_TRA_1PNPDE20100423_204751_000000372088_00458_42596_6233.N1	DC map used
GOM_TRA_1PNPDE20100423_205037_000000442088_00458_42596_6234.N1	DC map used
GOM_TRA_1PNPDE20100423_205545_000000372088_00458_42596_6235.N1	DC map used
GOM_TRA_1PNPDE20100423_205752_000000442088_00458_42596_6236.N1	DC map used
GOM_TRA_1PNPDE20100423_205939_000000392088_00458_42596_6237.N1	DC map used
GOM_TRA_1PNPDE20100423_210701_000000402088_00458_42596_6238.N1	DC map used
GOM_TRA_1PNPDE20100423_211714_000000402088_00458_42596_6239.N1	DC map used
GOM_TRA_1PNPDE20100423_212750_000000422088_00458_42596_6240.N1	DC map used
GOM_TRA_1PNPDE20100423_213202_000000442088_00458_42596_6241.N1	DC map used

GOM_TRA_1PNPDE20100423_213536_000000592088_00458_42596_6242.N1	DC map used
GOM_TRA_1PNPDE20100423_213804_000000472088_00458_42596_6243.N1	DC map used

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



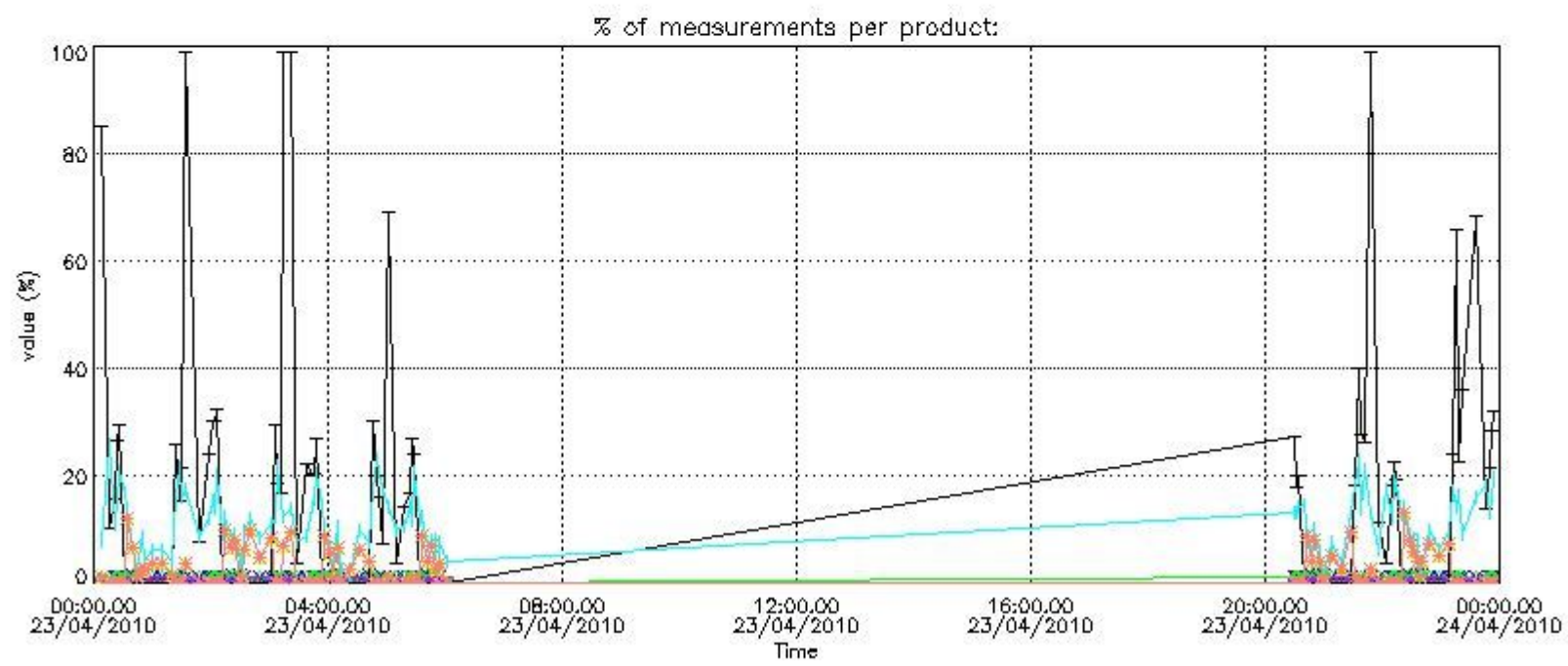
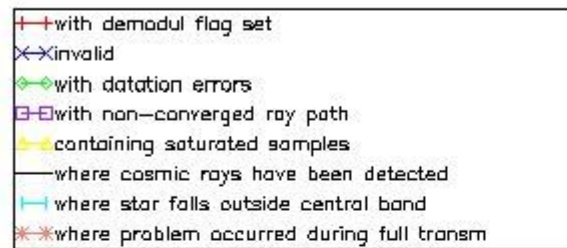
5. Demodulation flag and quality information monitoring

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:

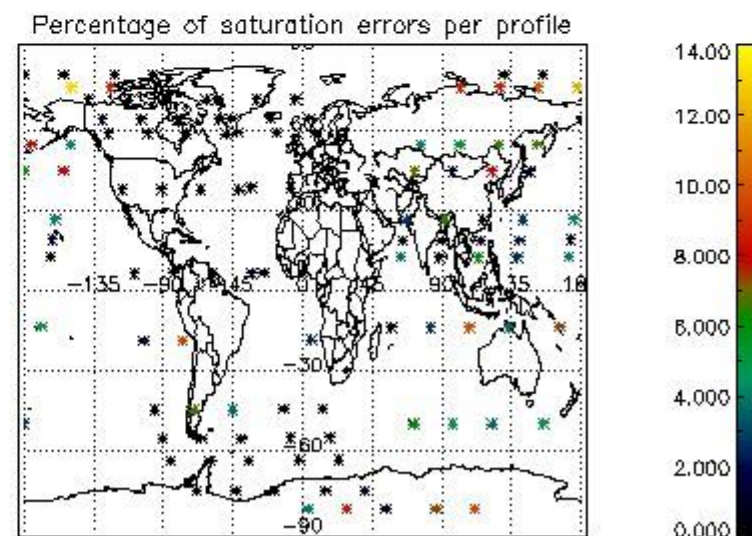
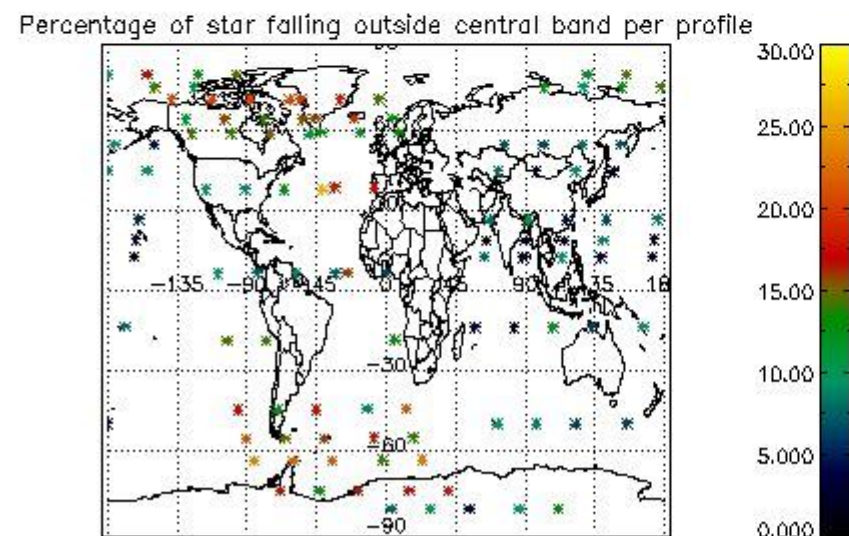
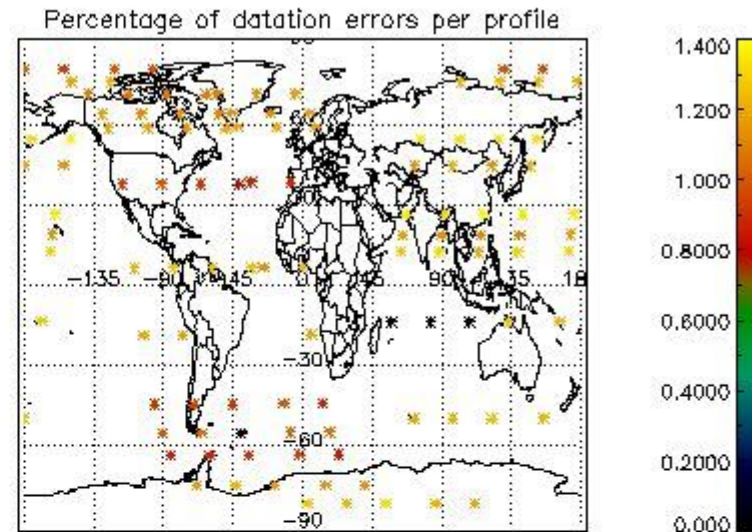
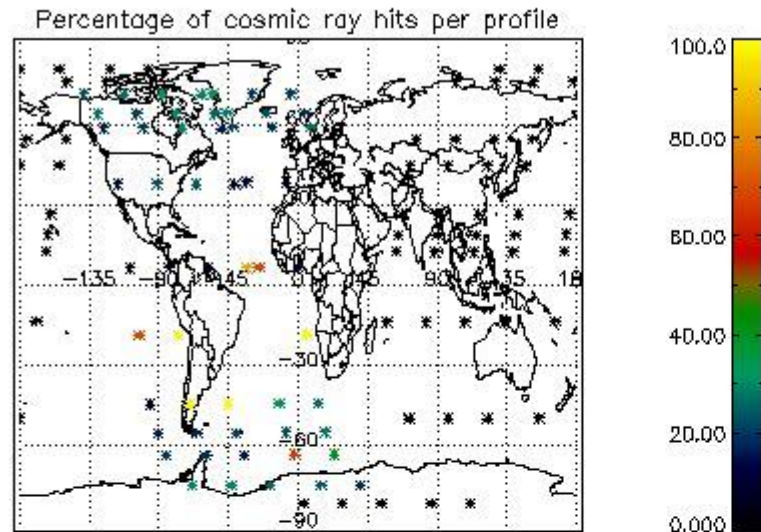
At least one measurement with demodulation flag set:	40.3509 %
Reference spectrum computed from DB:	0.00000 %
Reference spectrum with small number of measurements:	0.00000 %
SATU data not used:	0.00000 %

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)

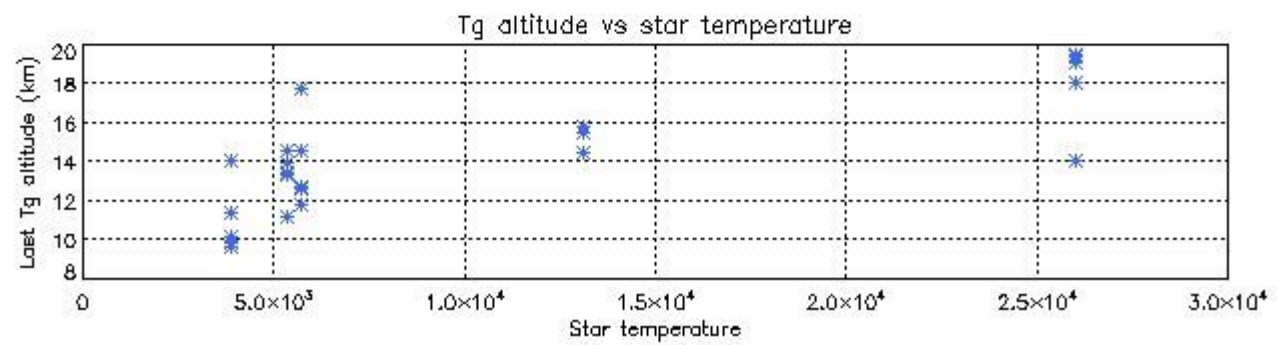
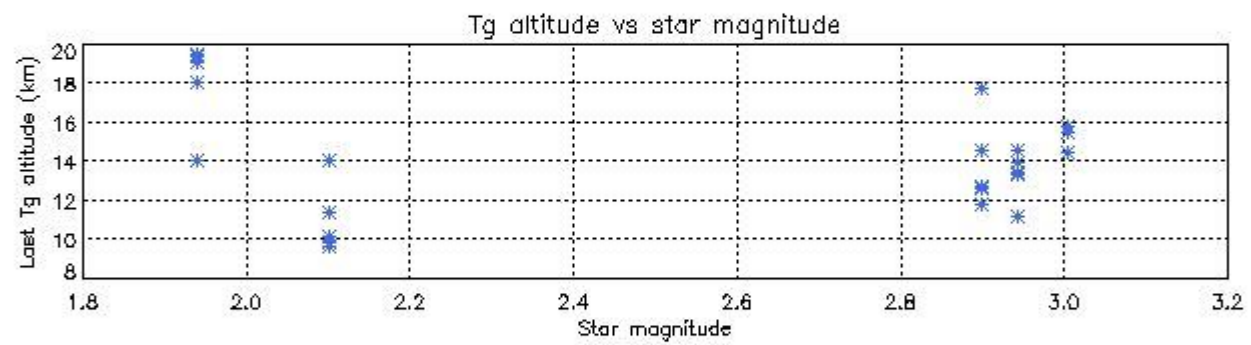
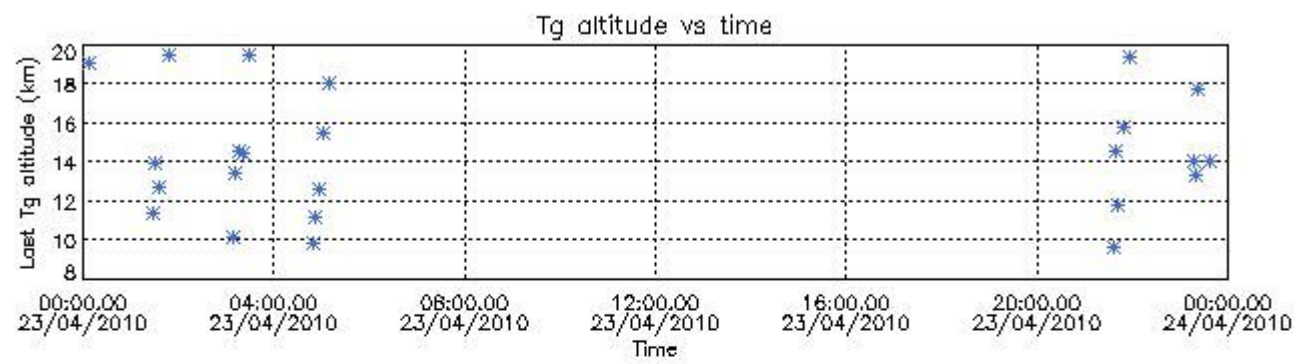
### 6.1 Statistics on tangent altitude lost:

Statistics	DARK	BRIGHT	TWILIGHT
Mean:	14.424	20.065	NaN
St. deviation:	3.1108	3.2173	NaN
Maximum:	19.517	26.938	NaN
Minimum:	9.6490	13.377	NaN
Number of data:	24.000	58.000	NaN

### 6.2 Plot for DARK limb products

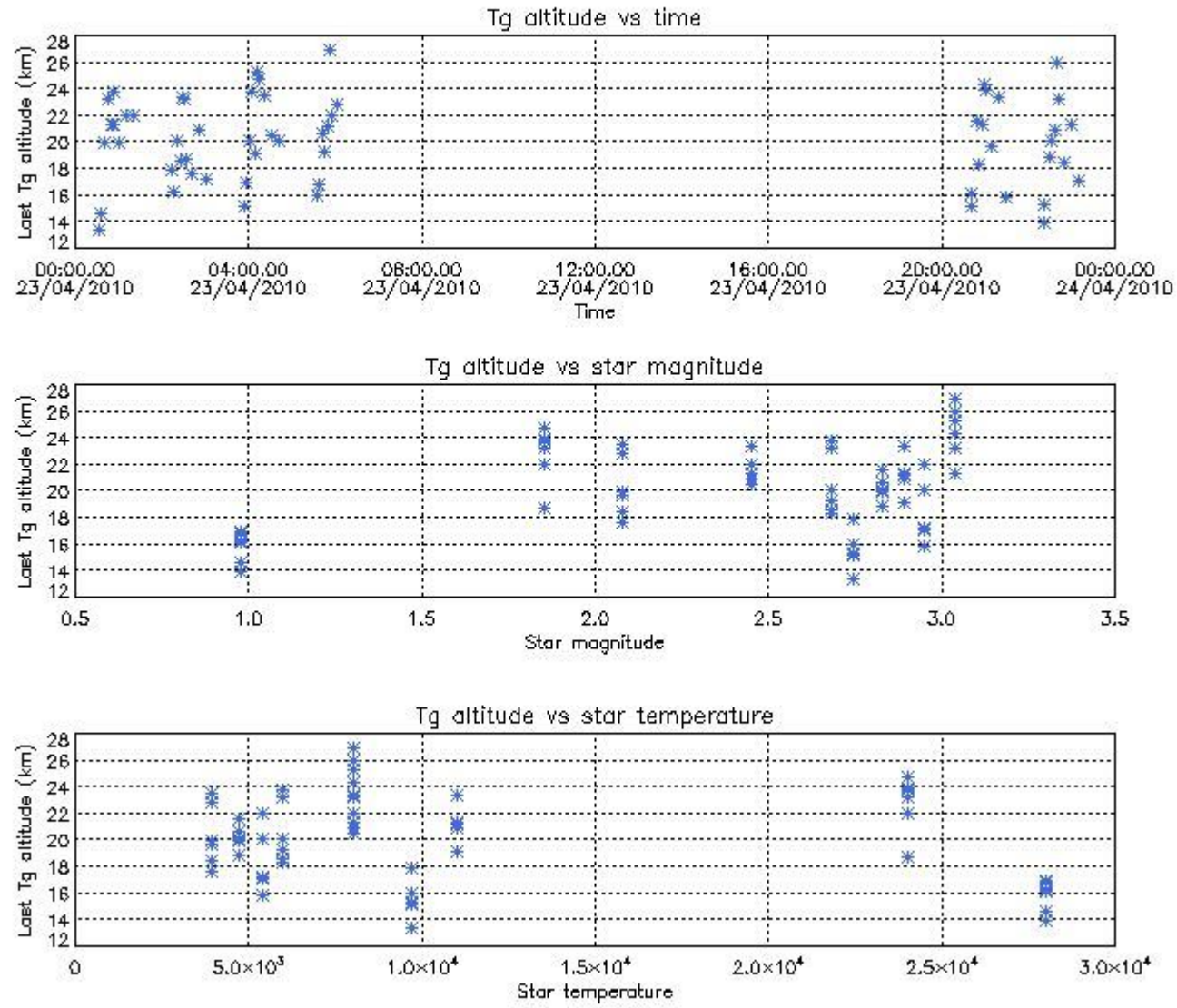


Tangent altitude at which the star is lost



6.3 Plot for BRIGHT limb products

## Tangent altitude at which the star is lost

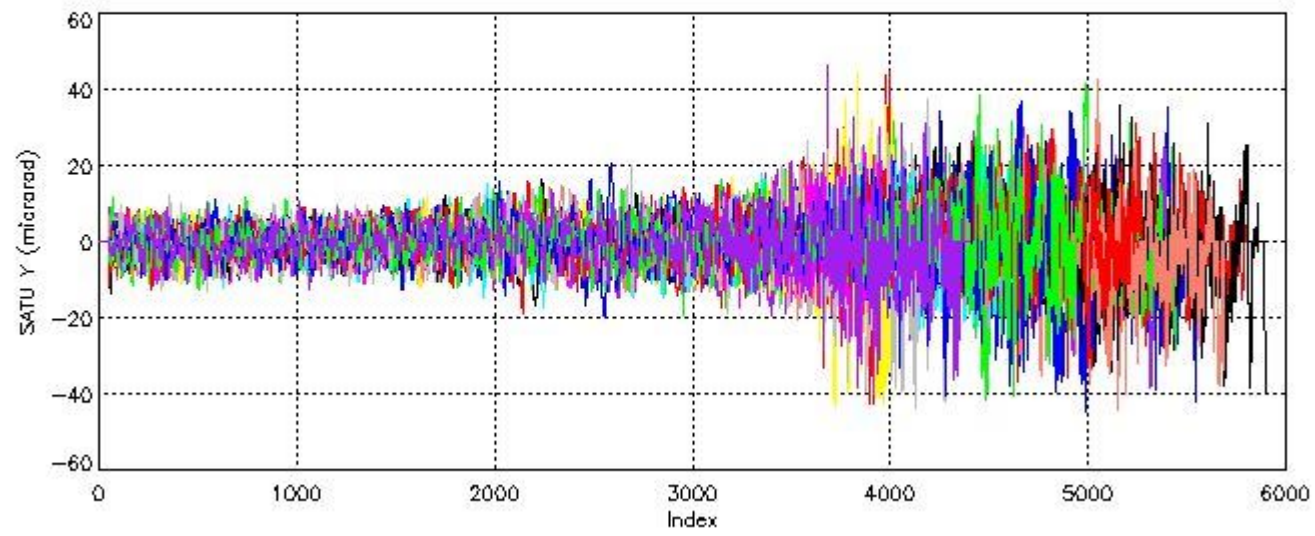
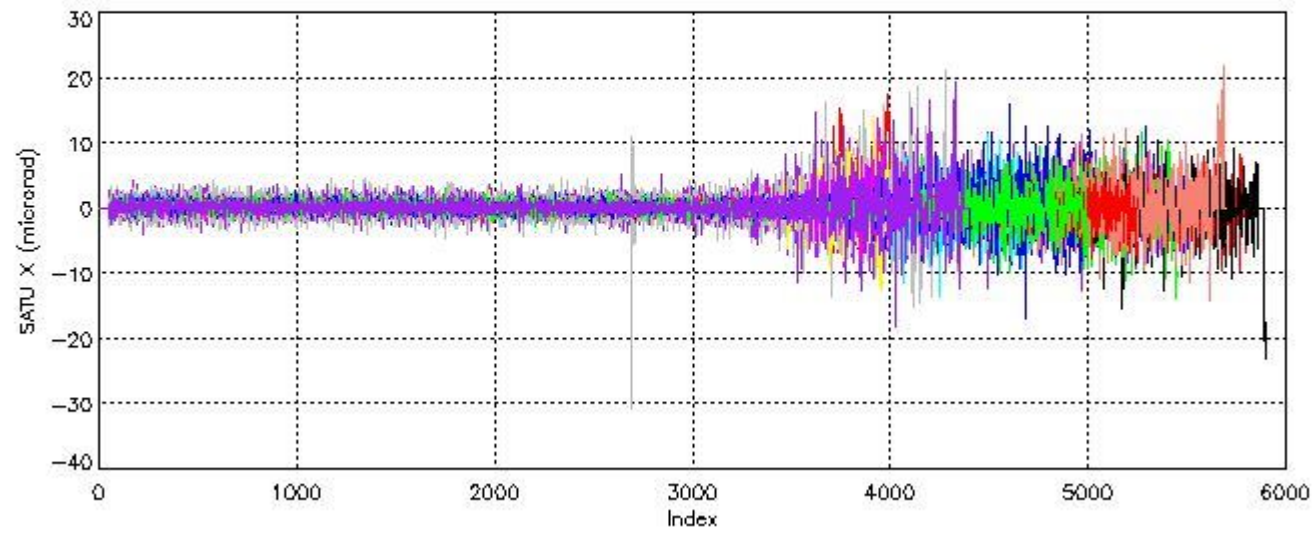


## 7. Star Acquisition and Tracking Unit (SATU)

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:	0.18804	-0.58503	0.21121	-0.65796
St. deviation:	0.67763	3.4317	0.92560	3.5210
Maximum:	4.1000	11.900	7.5000	16.000
Minimum:	-4.1000	-13.500	-6.6000	-17.800



Number of data:	24750.	24750.	56150.	56150.
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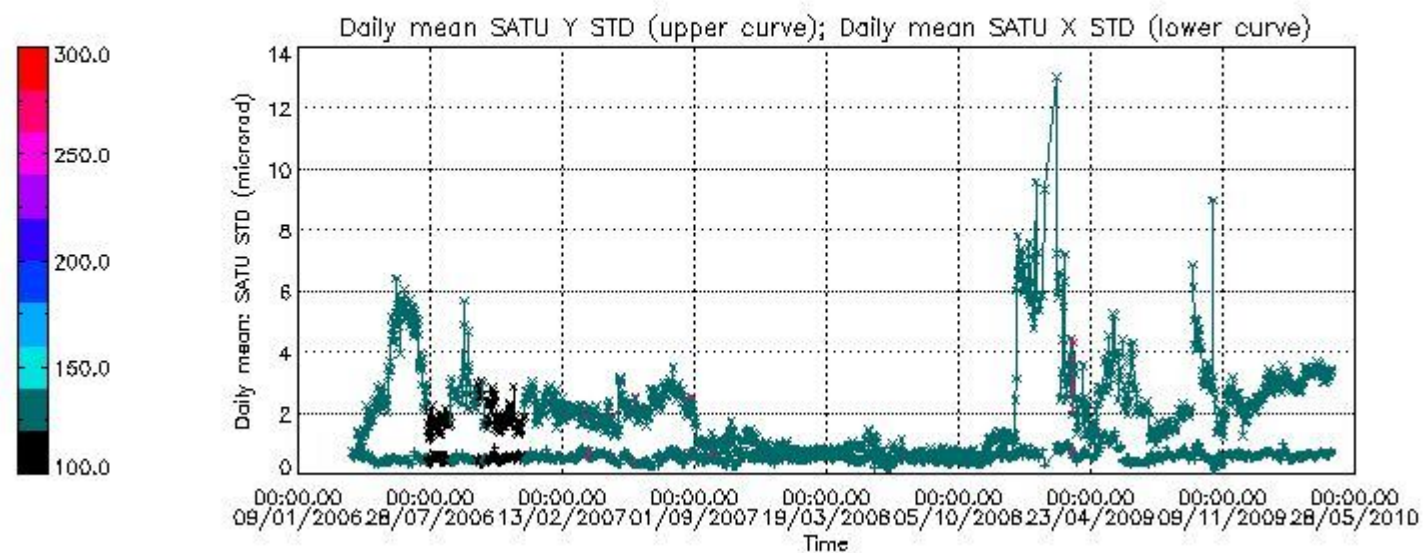
### 7.2.2 Trend of daily SATU NEA St. deviation since 1st April 2006 (dark limb)

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

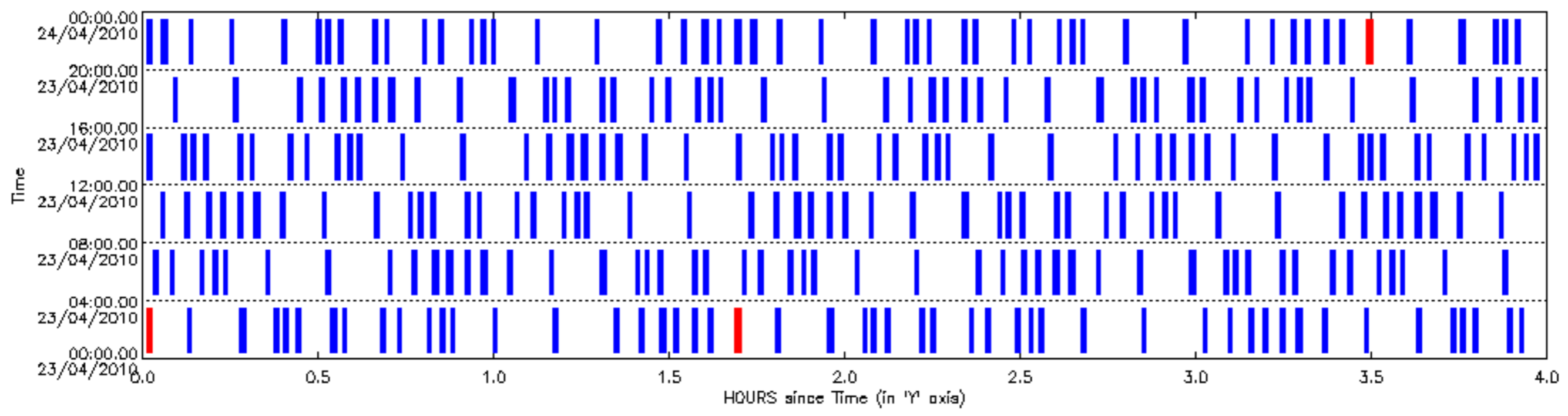
Lower curve: STD of SATU X axis

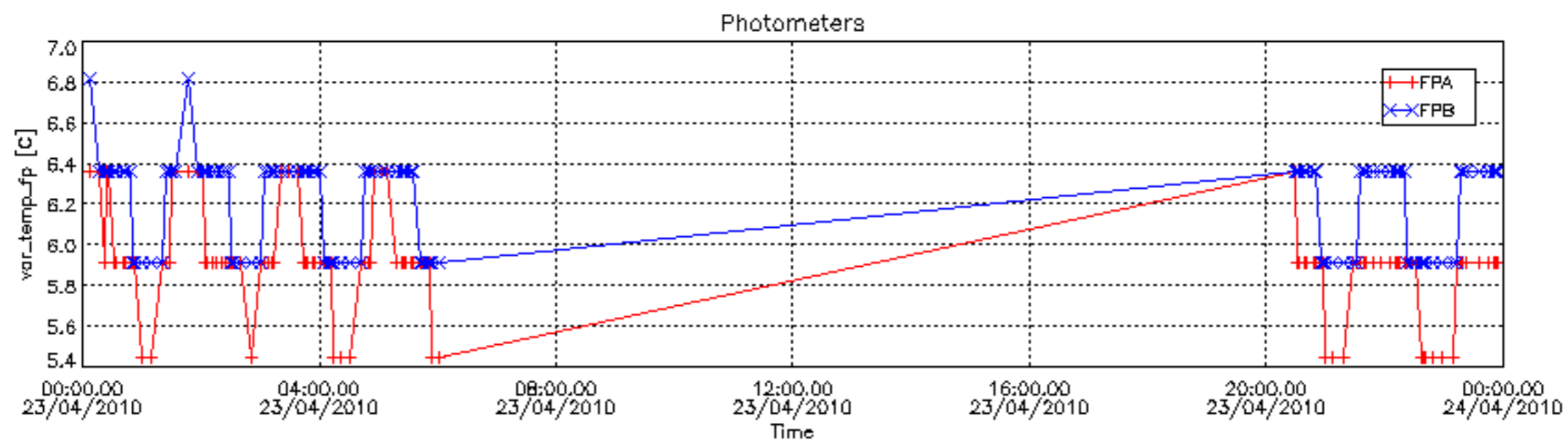
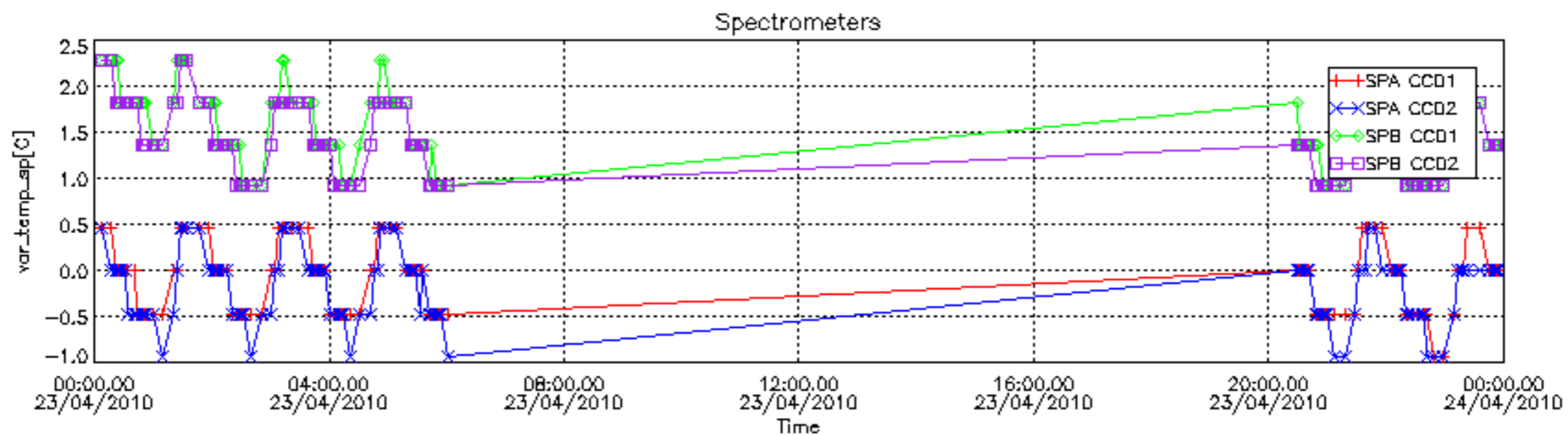


### 8. Auxiliary Data Files used for the production reported in section 2.4

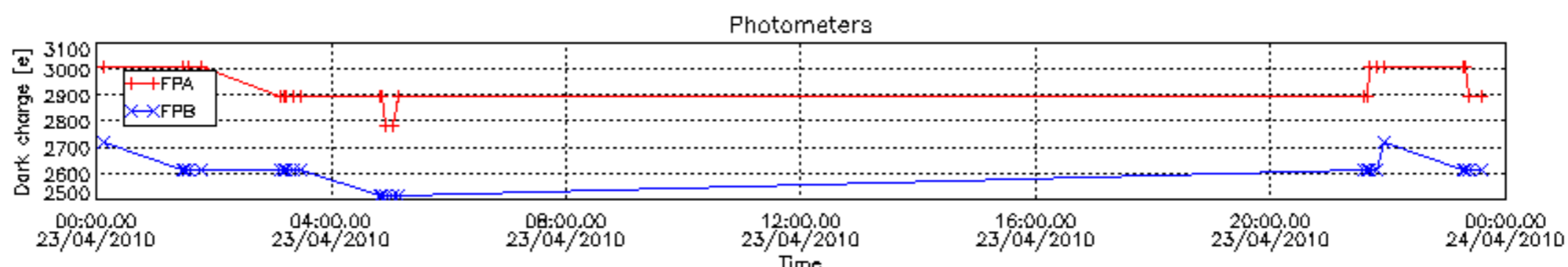
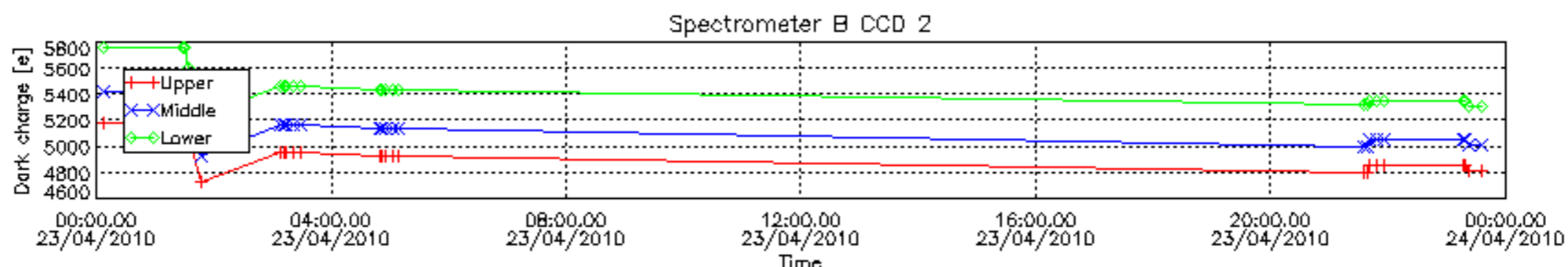
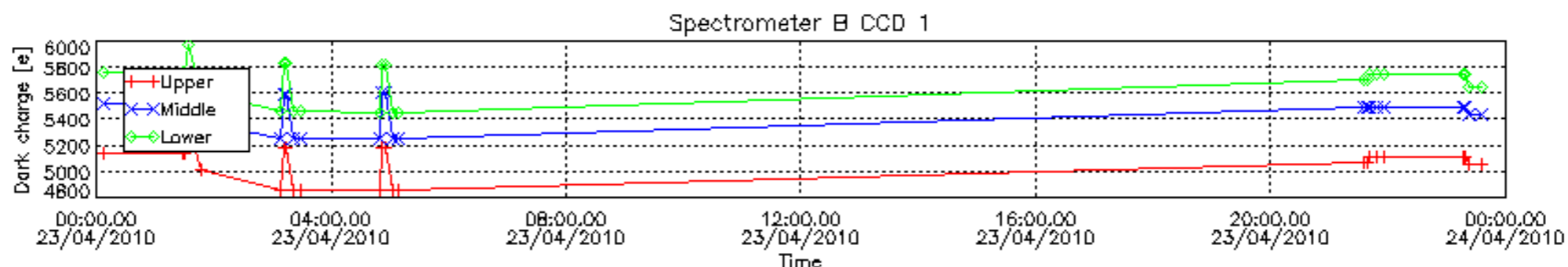
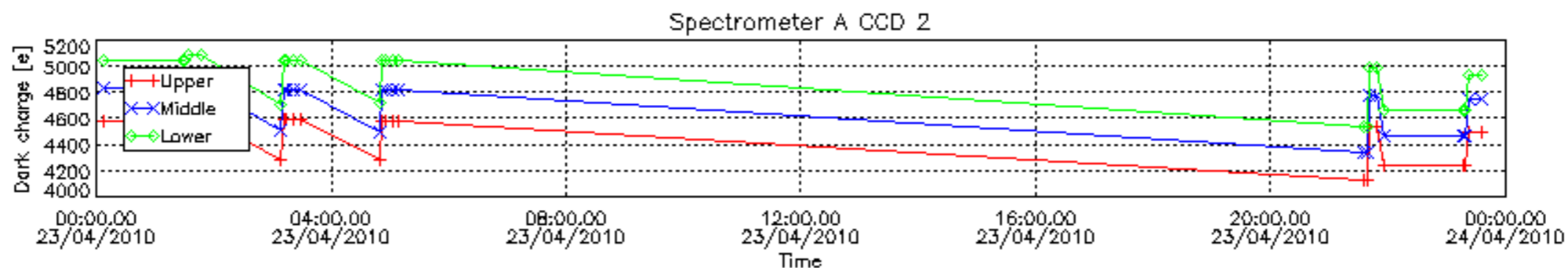
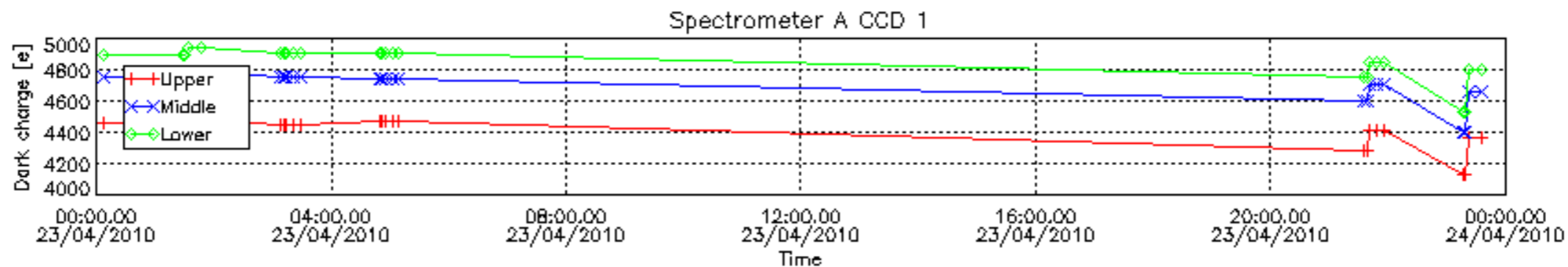
The number reported in the third column indicates since which file (see list in section 2.4) the corresponding auxiliary file has been used. The fourth column is the date of those product files.

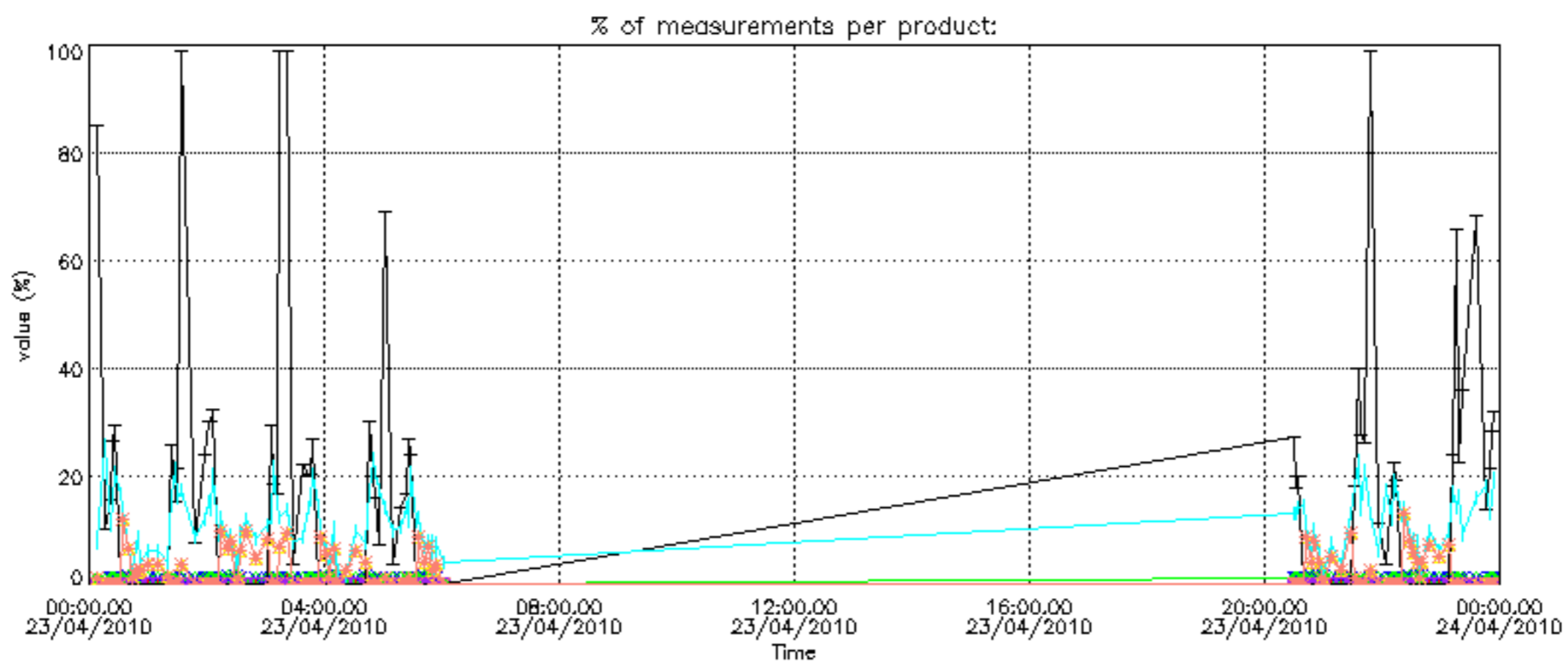
Type	Auxiliary Filename	Used since product	Used since product date
INST_PHYS_CHARACTERISTICS	GOM_INS_AXVIEC20091111_143220_20030716_120000_20500101_000000	1	23-APR-2010 00:07:35
CALIBRATION_DATABASE	GOM_CAL_AXVIEC20100421_081220_20100420_000000_20500101_000000	1	23-APR-2010 00:07:35
LEVEL-1B_PROC_CONFIG	GOM_PR1_AXVIEC20091111_145255_20020301_000000_20500101_000000	1	23-APR-2010 00:07:35
STAR_CATALOGUE	GOM_CAT_AXVIEC20020121_161009_20020101_000000_20200101_000000	1	23-APR-2010 00:07:35
STELLAR_SPECTRA_DATABANK	GOM_STS_AXVIEC20091111_151504_20020101_160000_20500101_000000	1	23-APR-2010 00:07:35
ECMWF_FILE	AUX_ECF_AXNECM20100422_054117_20100422_210000_20100423_090000	1	23-APR-2010 00:07:35
ECMWF_FILE	AUX_ECF_AXNECM20100422_172117_20100423_030000_20100423_150000	53	23-APR-2010 04:31:17
ECMWF_FILE	AUX_ECF_AXNECM20100423_052116_20100423_150000_20100424_030000	73	23-APR-2010 20:29:39
ECMWF_FILE	AUX_ECF_AXNECM20100423_054115_20100423_210000_20100424_090000	89	23-APR-2010 21:41:10
OPTIONAL_ECMWF_FILE	MISSING	1	23-APR-2010 00:07:35
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20100422_235200_000057382088_00445_42583_0212.N1	1	23-APR-2010 00:07:35
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20100423_012738_000041442088_00446_42584_0213.N1	19	23-APR-2010 01:33:49
ORBIT_DATA_FILE	AUX_FPO_AXVPDS20100422_100117_20100421_193536_20100501_210149	33	23-APR-2010 02:50:41
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20100423_042258_000057382088_00448_42586_0215.N1	53	23-APR-2010 04:31:17
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20100423_202439_000041442088_00458_42596_0216.N1	73	23-APR-2010 20:29:39
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20100423_213902_000057382088_00458_42596_0217.N1	89	23-APR-2010 21:41:10
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20100423_231959_000057382088_00459_42597_0218.N1	109	23-APR-2010 23:21:47



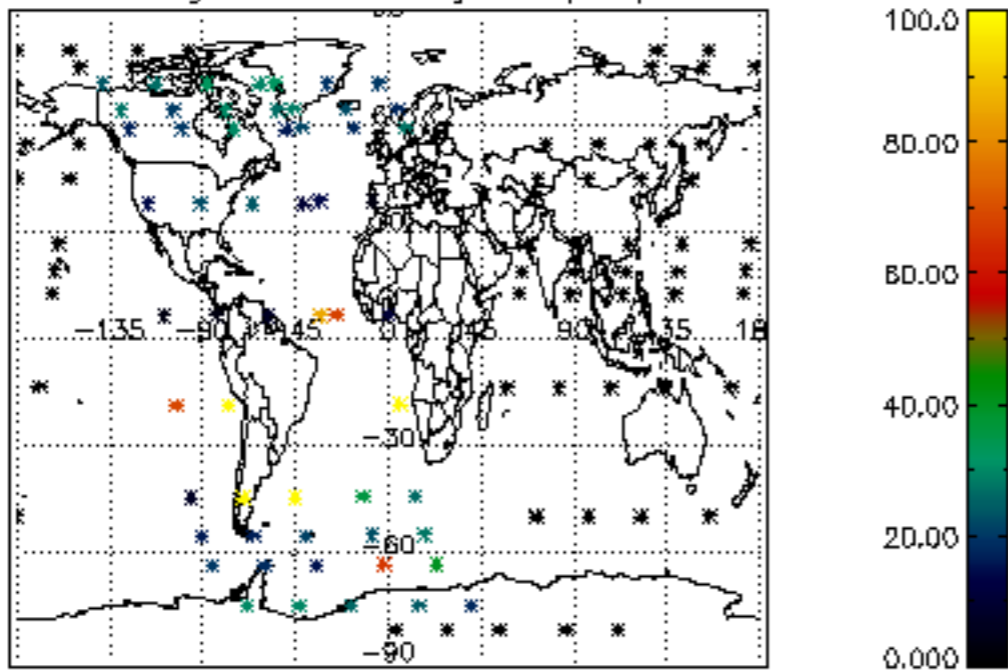




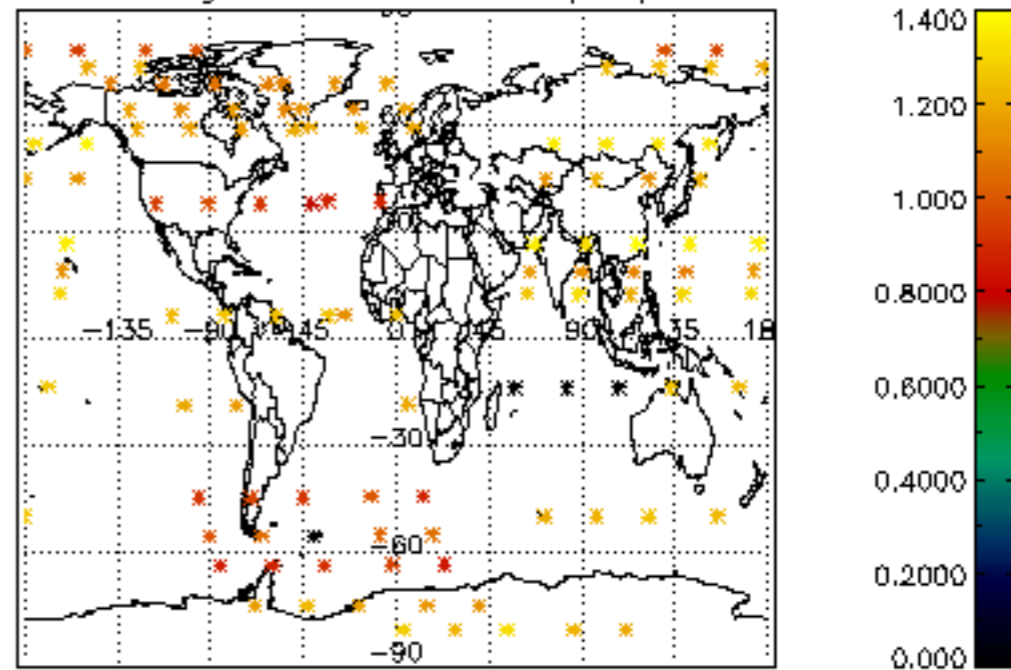




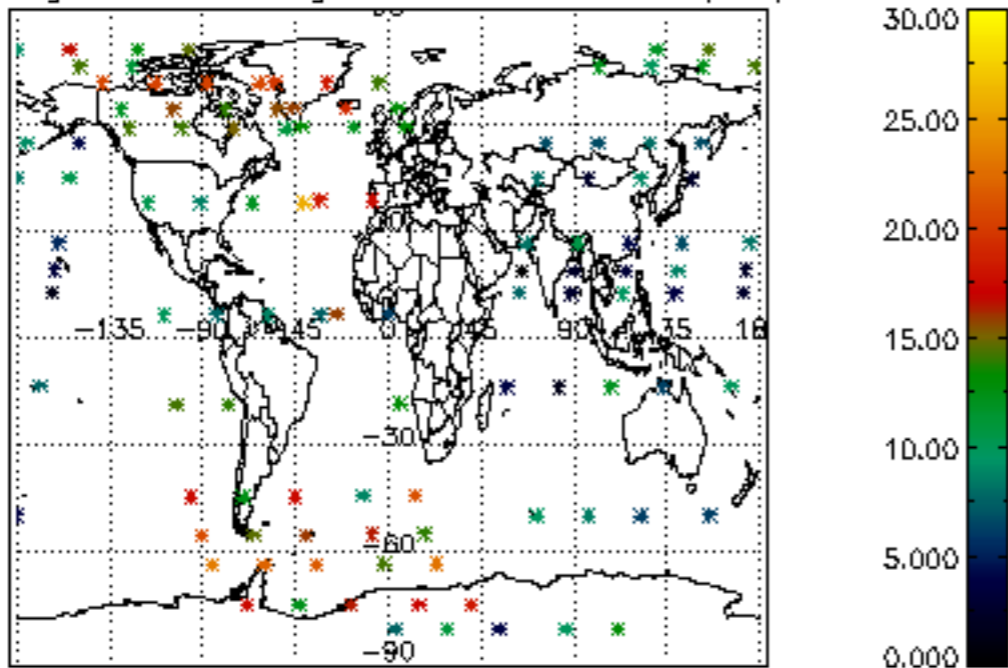
Percentage of cosmic ray hits per profile



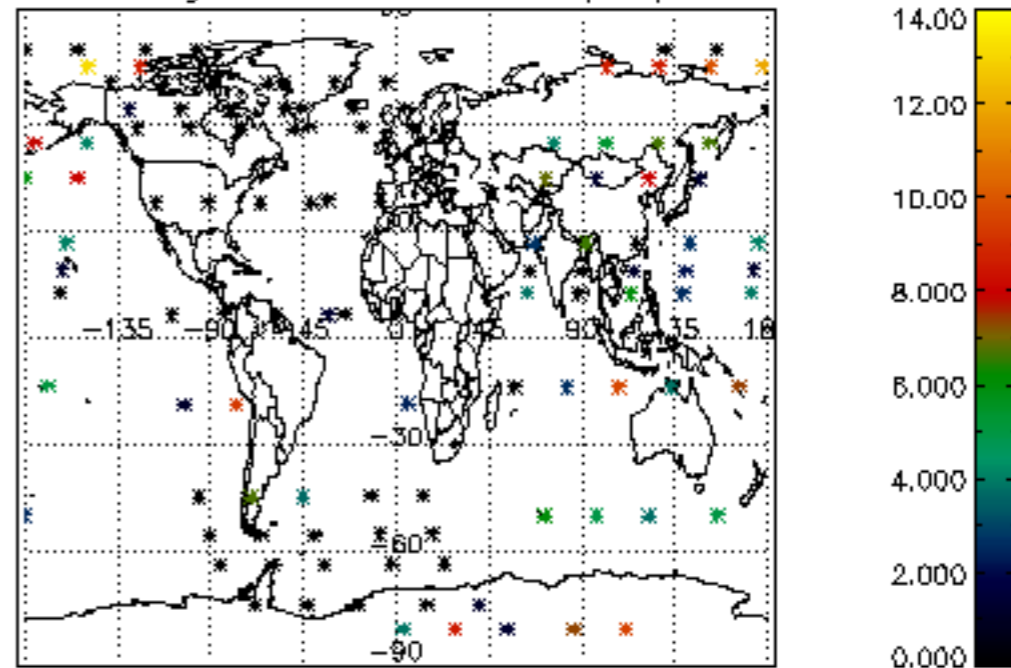
Percentage of datation errors per profile



Percentage of star falling outside central band per profile

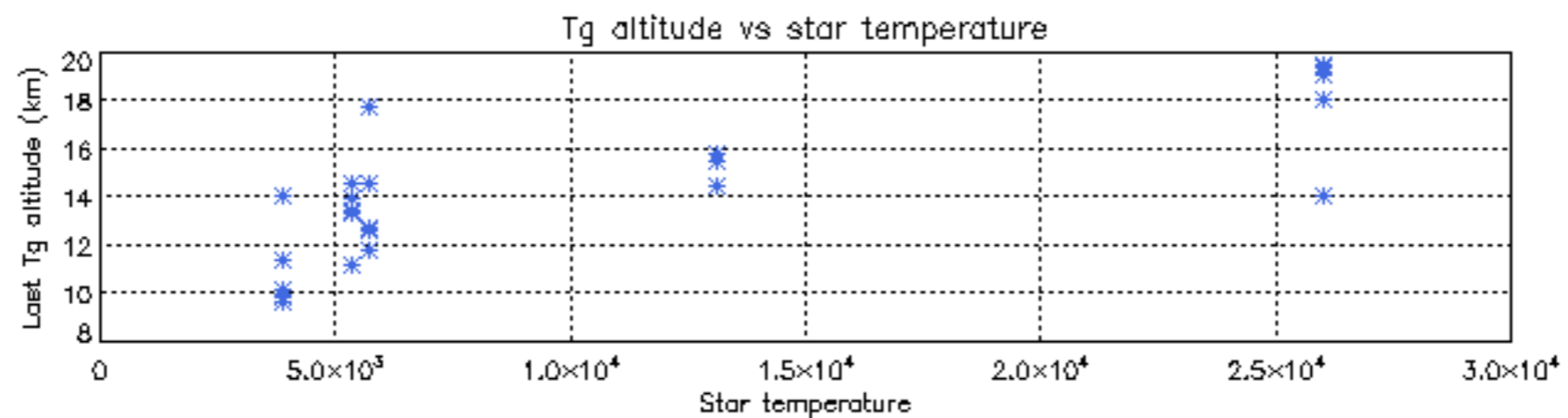
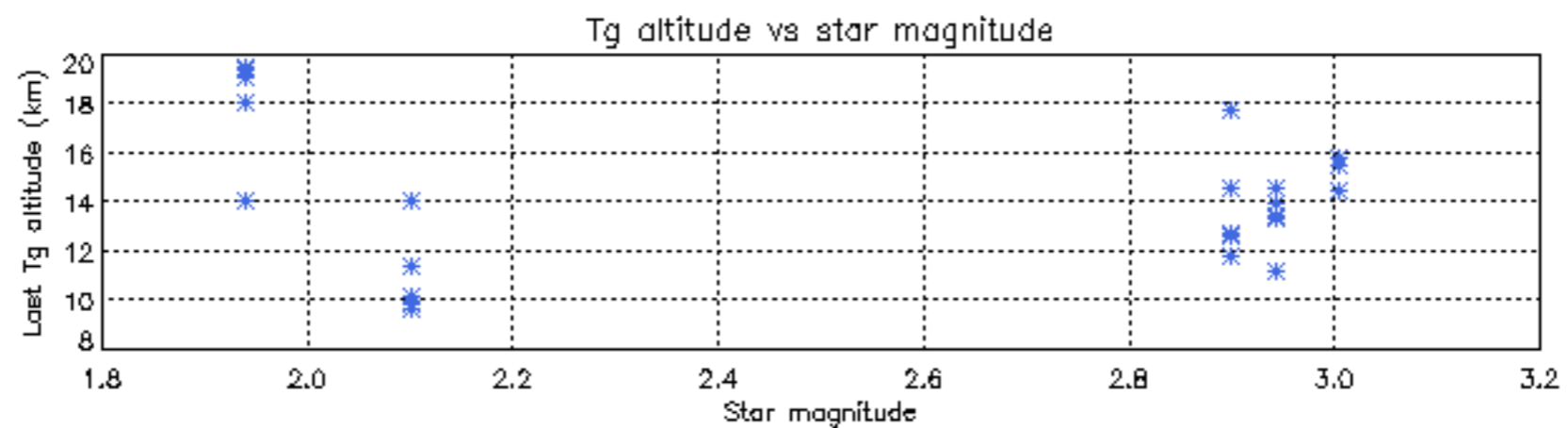
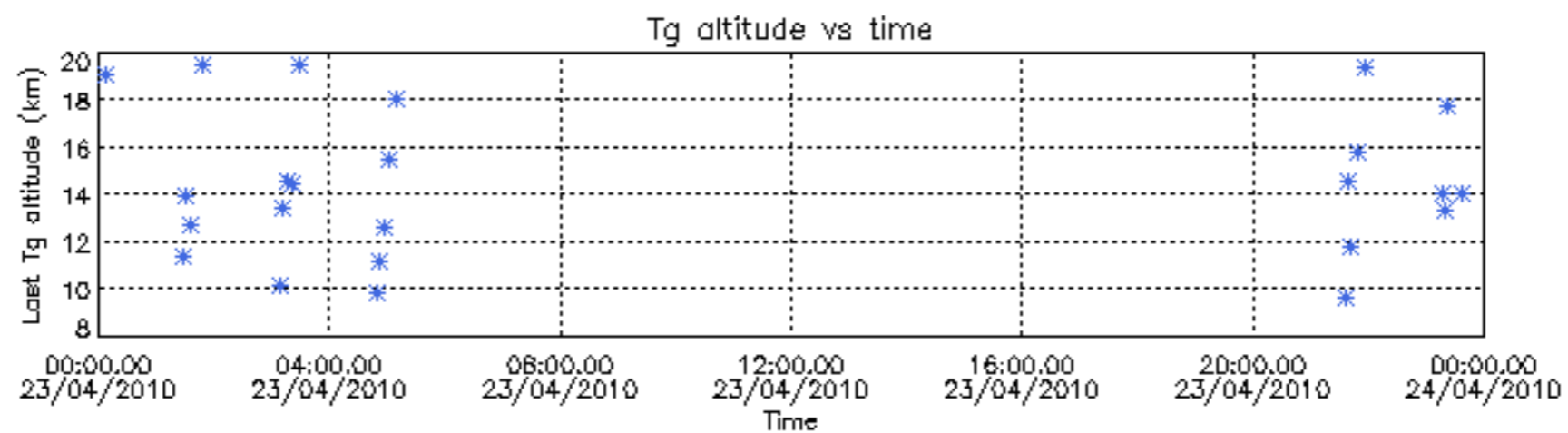


Percentage of saturation errors per profile

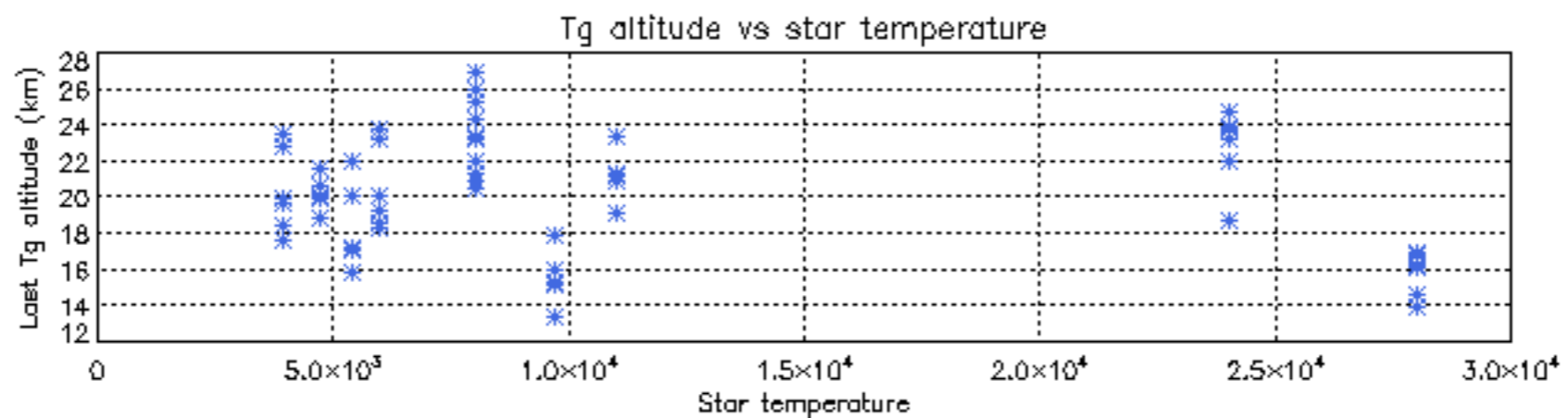
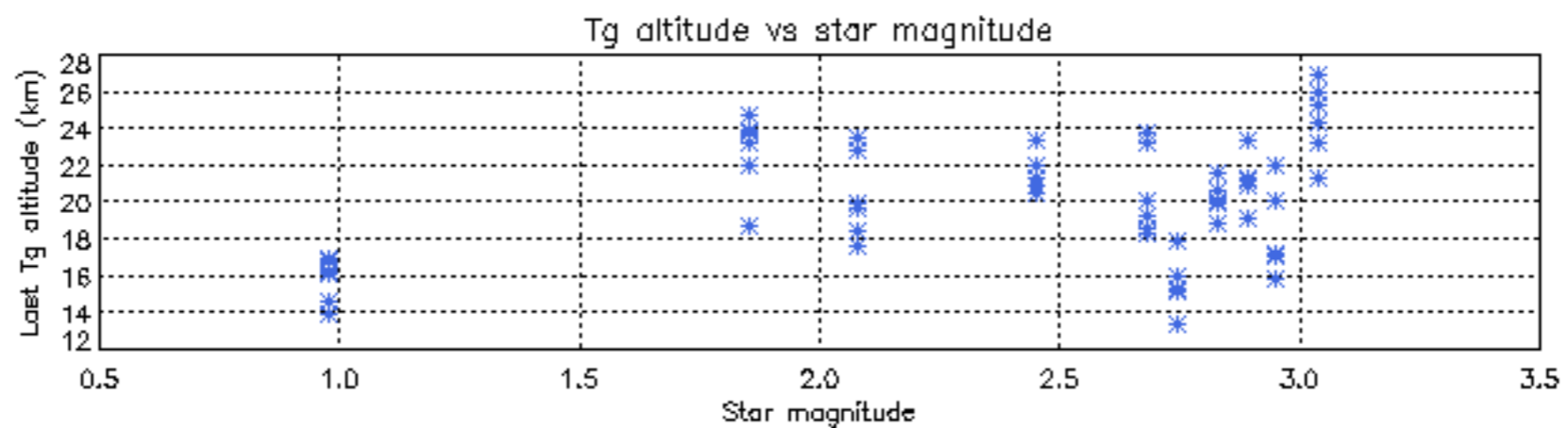
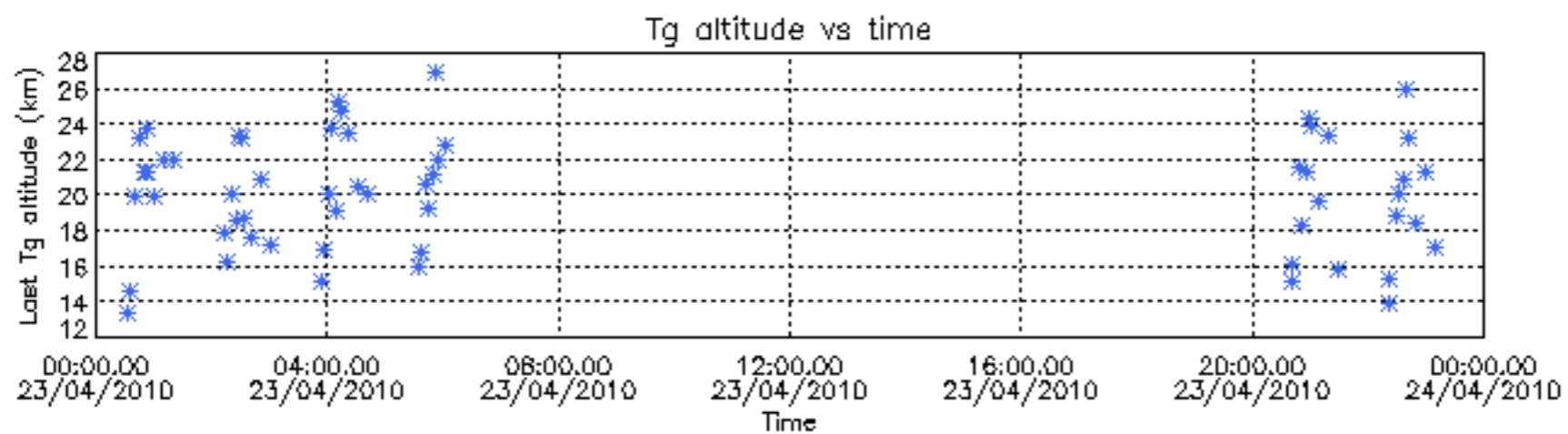


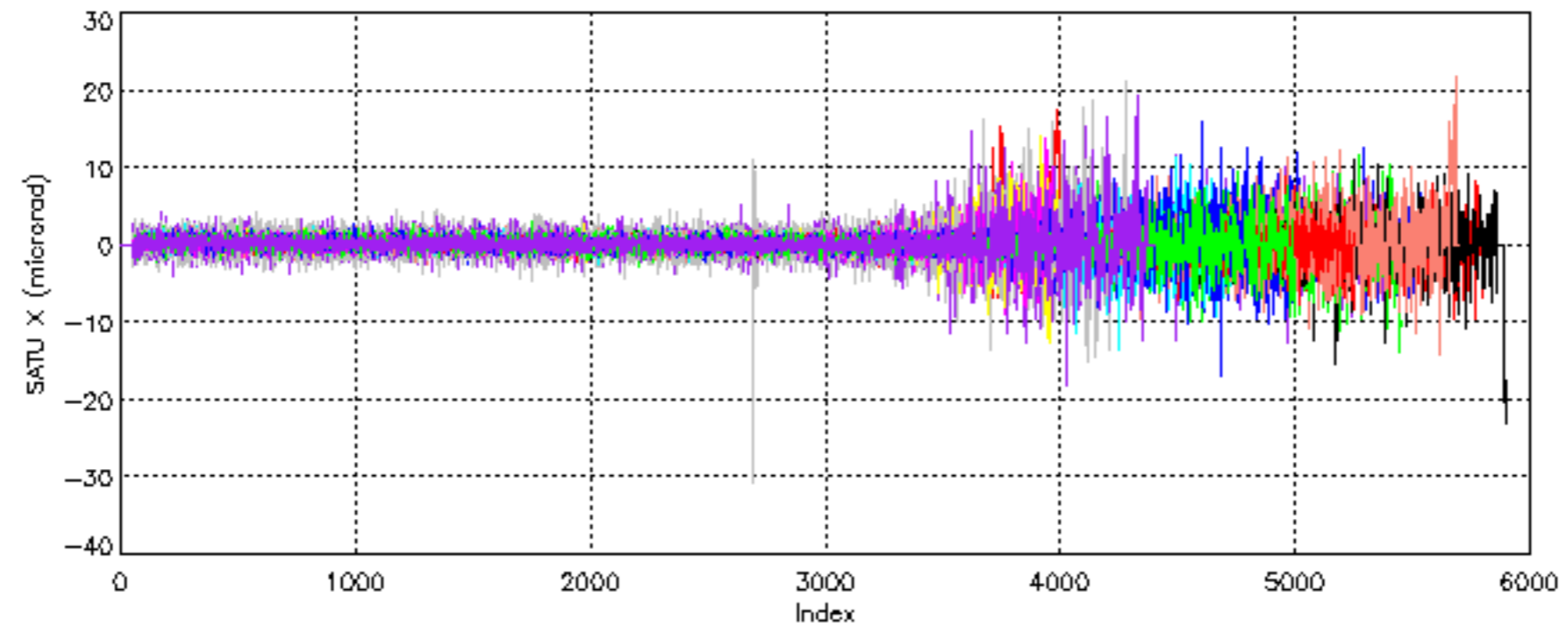


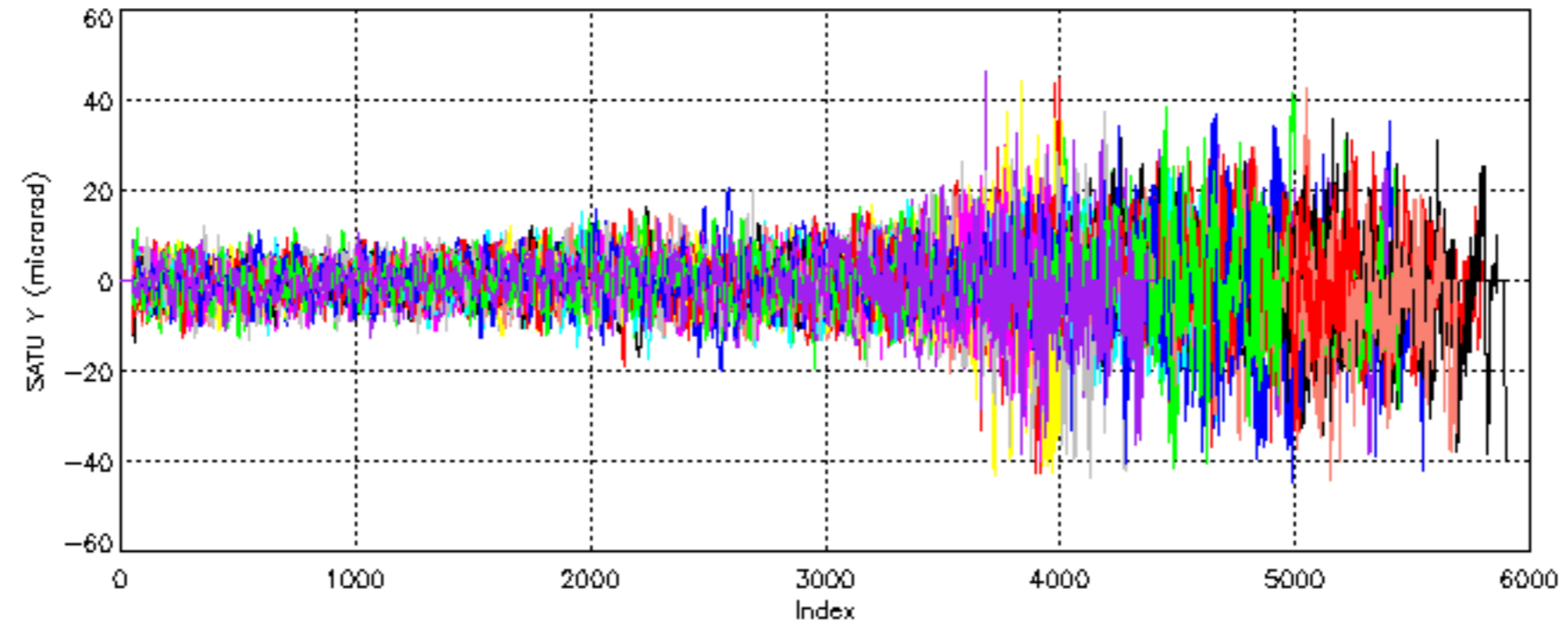
Tangent altitude at which the star is lost



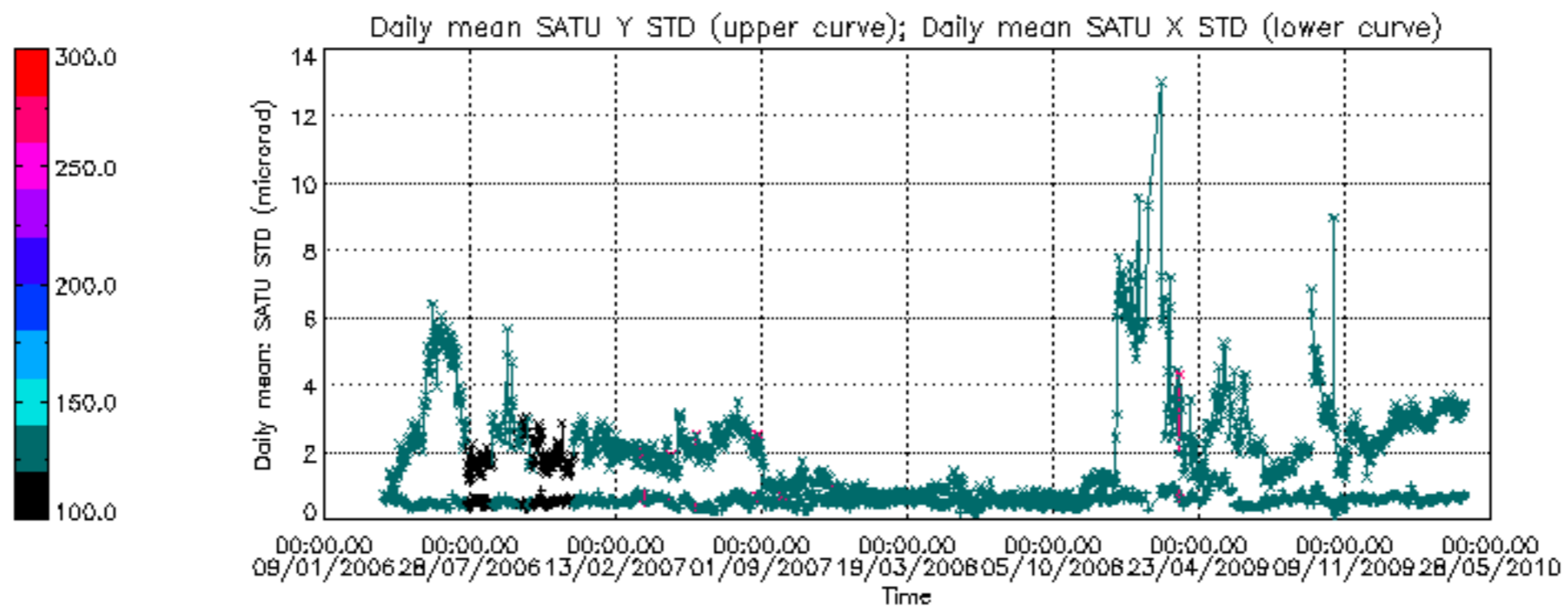
Tangent altitude at which the star is lost











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

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

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

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

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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
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10; 1462.5; 01-APR-2010 23:49:58; Dark ; 45.5; 106; 9Bet Crv ; 2.65; 5600;occ; 91; 0;42283
11; 1579.8; 01-APR-2010 23:51:55; Dark ; 44.5; 100; 4Gam Crv ; 2.58; 13100;occ; 89; 0;42283
12; 1687.6; 01-APR-2010 23:53:43; Dark ; 60.0; 15; 67Alp Vir ; 0.98; 28000;occ; 120; 0;42283
13; 1881.7; 01-APR-2010 23:56:57; Bright; 45.0; 121; 29Gam Vir ; 2.74; 7200;occ; 90; 0;42283
14; 2159.6; 02-APR-2010 00:01:35; Bright; 39.5; 62; 94Bet Leo ; 2.14; 9700;occ; 79; 0;42283
15; 2665.6; 02-APR-2010 00:10:01; Bright; 35.0; 174; 52Psi UMa ; 3.00; 4400;occ; 70; 0;42283
16; 2845.7; 02-APR-2010 00:13:01; Bright; 37.0; 87; 64Gam UMa ; 2.43; 11000;occ; 74; 0;42283
17; 2954.5; 02-APR-2010 00:14:50; Bright; 42.5; 32; 77Eps UMa ; 1.76; 11000;occ; 85; 0;42283
18; 3334.0; 02-APR-2010 00:21:09; Bright; 41.0; 60; 7Bet UMi ; 2.08; 3950;occ; 82; 0;42283
19; 3901.1; 02-APR-2010 00:30:36; Bright; 39.5; 89; 5Alp Cep ; 2.45; 8000;occ; 79; 0;42283
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
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 8; 296.4; 01-APR-2010 06:44:32; Dark ; 51.5; 40; The Sco ; 1.86; 7100;occ; 103; 0;42273  
 9; 517.0; 01-APR-2010 06:48:13; Dark ; 40.5; 134; Bet TrA ; 2.81; 6600;occ; 81; 0;42273  
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 13; 1100.6; 01-APR-2010 06:57:57; Dark ; 53.5; 54; 5The Cen ; 2.06; 4500;occ; 107; 0;42273  
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 4; 2257.0; 01-APR-2010 07:17:13; Bright; 36.0; 96; 68Del Leo ; 2.56; 9300;occ; 72; 0;42273  
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 7; 2957.7; 01-APR-2010 07:28:54; Bright; 38.0; 36; 50Alp UMa ; 1.80; 6300;occ; 76; 0;42273  
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 9; 3902.0; 01-APR-2010 07:44:38; Bright; 54.0; 89; 5Alp Cep ; 2.45; 8000;occ; 108; 0;42273  
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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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8; 3901.8; 01-APR-2010 11:05:50; Bright; 36.5; 89; 5Alp Cep ; 2.45; 8000;occ; 73; 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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4; 2160.2; 01-APR-2010 13:58:00; Bright; 38.0; 62; 94Bet Leo ; 2.14; 9700;occ; 76; 0;42277
5; 2666.2; 01-APR-2010 14:06:26; Bright; 35.0; 174; 52Psi UMa ; 3.00; 4400;occ; 70; 0;42277
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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
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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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 13; 5114.2; 03-APR-2010 08:42:12; Dark ; 43.5; 154; 22Bet Aqr ; 2.90; 5700;occ; 87; 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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 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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11; 4437.6; 03-APR-2010 11:52:07; Bright; 46.0; 92; 53Eps Cyg ; 2.50; 4500;occ; 92; 0;42304
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 9; 3326.6; 03-APR-2010 14:54:48; Bright; 35.5; 60; 7Bet UMi ; 2.08; 3950;occ; 71; 0;42306
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 17; 3358.3; 15-APR-2010 22:00:41; Bright; 43.0; 119; 14Eta Dra ; 2.73; 4700;occ; 86; 0;42482  
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 22; 5047.9; 15-APR-2010 22:28:51; Dark ; 46.0; 162; 34Alp Aqr ; 2.94; 5350;occ; 92; 0;42482  
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3; -1099.0; 21-APR-2010 05:52:30; Dark ; 55.0; 61; 8Eps Peg ; 2.10; 3900;occ; 110; 0;42558
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9; 93.8; 21-APR-2010 06:12:23; Dark ; 46.0; 45; Alp Pav ; 1.94; 26000;occ; 92; 0;42559
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 23; 4736.6; 21-APR-2010 22:35:09; Dark ; 42.0; 90; 54Alp Peg ; 2.49; 11000;occ; 84; 0;42568  
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 4; 99.3; 21-APR-2010 22:58:28; Dark ; 40.0; 45; Alp Pav ; 1.94; 26000;occ; 80; 0;42569  
 5; 621.3; 21-APR-2010 23:07:10; Dark ; 50.0; 40; The Sco ; 1.86; 7100;occ; 100; 0;42569  
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13; 3836.9; 29-APR-2010 01:21:14; Bright; 44.0; 89; 5Alp Cep ; 2.45; 8000;occ; 88; 0;42670
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 5; 617.1; 29-APR-2010 02:08:10; Dark ; 54.0; 141; Bet Ara ; 2.84; 4600;occ; 108; 0;42671  
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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
20; 6668.9; 30-APR-2010 20:03:24; Dark ; 44.5; 141; Bet Ara ; 2.84; 4600;occ; 89; 0;42696
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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