

# GOMOS Daily Report 14-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	17APR2010 04:50:13
Data source version	GOMOS/5.00L04
Start time of products	14APR2010 00:04:13
Stop time of products	14APR2010 23:55:29
Store outputs in DB	Yes
Nb of level 1b prods	139
Nb of prods with errors	1

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

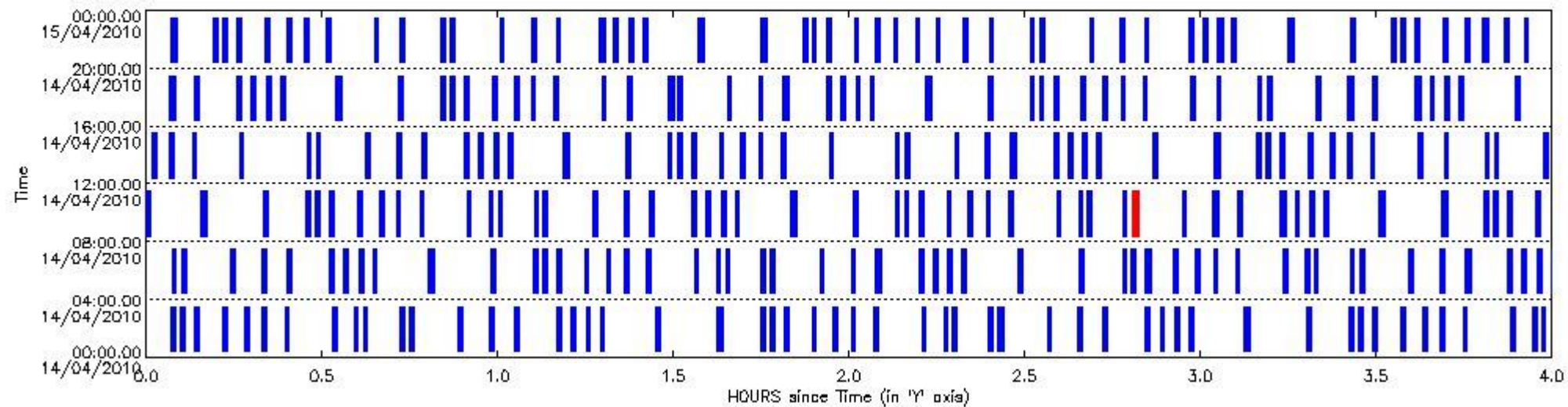
### 2.1 Level 0 products arrived in PCF (see template [here](#))

### 2.2 Plot of mission plan versus Level 0 production arrived in PCF during reporting period

Red segments are missing products.

Blue segments are available products.

Green segments are calibration measurements (not available products to users).



### 2.3 Summary of missing occultations (red segments in previous plot)

UTC start time	Star name	Star ID	Orbit
14-APR-2010 10:48:30	14EtaDra	119	42461

### 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_1PNPDE20100414_000413_000000452088_00317_42455_3830.N1	14-APR-2010 00:04:13	Straylight	44.500	78	Alp Lup	2.3040	28000.	89	42455	No
2	GOM_TRA_1PNPDE20100414_000549_000000462088_00317_42455_3831.N1	14-APR-2010 00:05:49	Straylight	45.500	81	Eta Cen	2.3560	28000.	91	42455	No
3	GOM_TRA_1PNPDE20100414_000814_000000482088_00317_42455_3832.N1	14-APR-2010 00:08:14	Straylight	47.500	54	5The Cen	2.0550	4500.0	95	42455	No
4	GOM_TRA_1PNPDE20100414_001302_000000432088_00317_42455_3833.N1	14-APR-2010 00:13:02	Twilight_stray	42.500	169	46Gam Hya	2.9910	4700.0	85	42455	No
5	GOM_TRA_1PNPDE20100414_001644_000000482088_00317_42455_3834.N1	14-APR-2010 00:16:44	Bright	47.500	15	67Alp Vir	0.97600	28000.	95	42455	No
6	GOM_TRA_1PNPDE20100414_001948_000000402088_00317_42455_3835.N1	14-APR-2010 00:19:48	Bright	39.500	121	29Gam Vir	2.7400	7200.0	79	42455	No
7	GOM_TRA_1PNPDE20100414_002340_000000402088_00317_42455_3836.N1	14-APR-2010 00:23:40	Bright	40.000	138	47Eps Vir	2.8280	4700.0	80	42455	No
8	GOM_TRA_1PNPDE20100414_003150_000000392088_00317_42455_3837.N1	14-APR-2010 00:31:50	Bright	39.000	152	12Alp2CVn	2.8900	11000.	78	42455	No
9	GOM_TRA_1PNPDE20100414_003534_000000362088_00317_42455_3838.N1	14-APR-2010 00:35:34	Bright	36.000	87	64Gam UMa	2.4330	11000.	72	42455	No
10	GOM_TRA_1PNPDE20100414_003706_000000412088_00317_42455_3839.N1	14-APR-2010 00:37:06	Bright	41.000	55	79Zet UMa	2.0600	10200.	82	42455	No

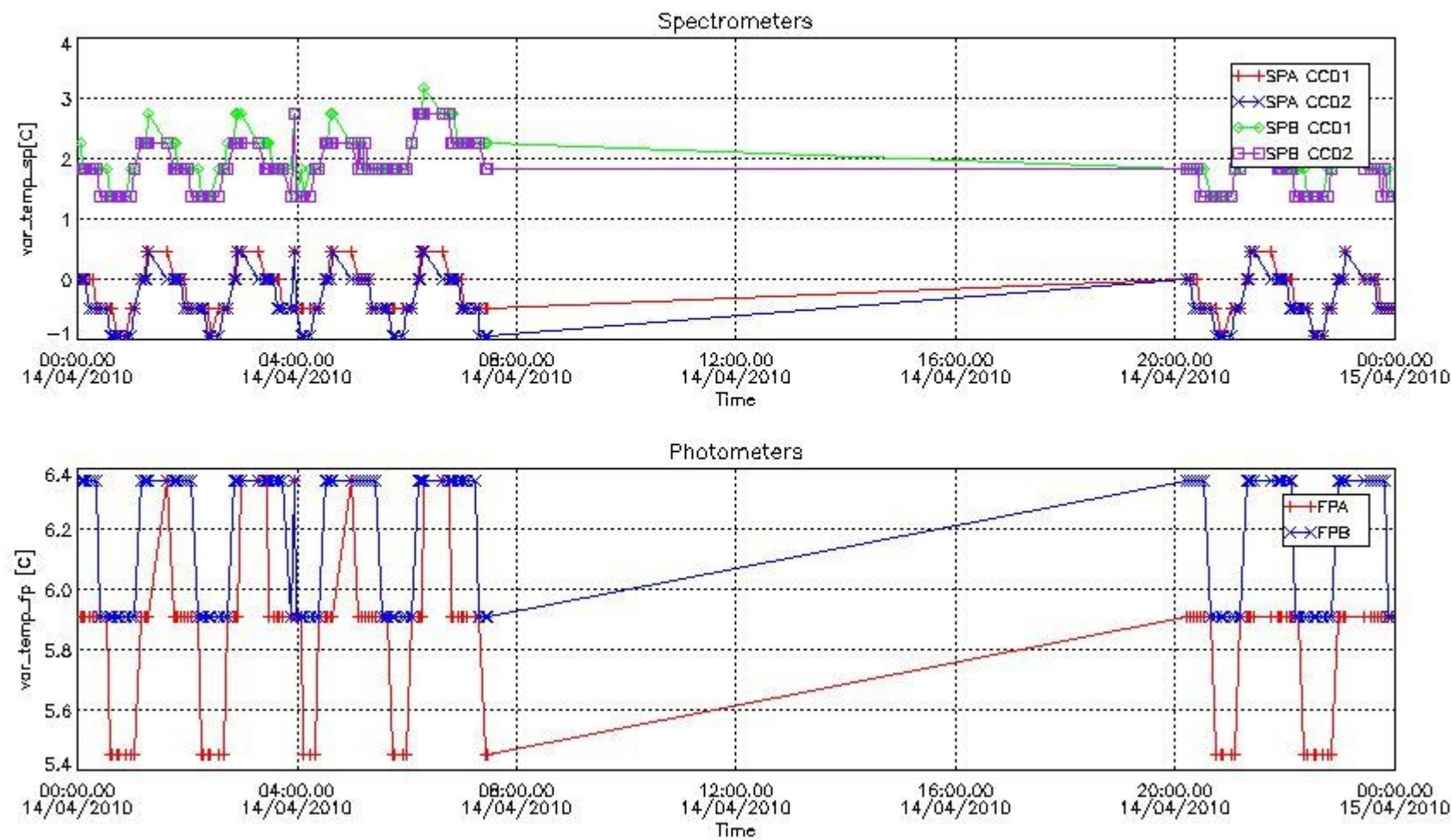
11	GOM_TRA_1PNPDE20100414_004314_000000572088_00317_42455_3840.N1	14-APR-2010 00:43:14	Bright	57.000	60	7Bet UMi	2.0810	3950.0	114	42455	No
12	GOM_TRA_1PNPDE20100414_004451_000000452088_00317_42455_3841.N1	14-APR-2010 00:44:51	Bright	44.500	119	14Eta Dra	2.7270	4700.0	89	42455	No
13	GOM_TRA_1PNPDE20100414_005316_000000392088_00317_42455_3842.N1	14-APR-2010 00:53:16	Bright	39.000	89	5Alp Cep	2.4510	8000.0	78	42455	No
14	GOM_TRA_1PNPDE20100414_005832_000000492088_00317_42455_3843.N1	14-APR-2010 00:58:32	Bright	49.000	19	50Alp Cyg	1.2460	10500.	98	42455	No
15	GOM_TRA_1PNPDE20100414_010246_000000532088_00317_42455_3844.N1	14-APR-2010 01:02:46	Bright	52.500	92	53Eps Cyg	2.5000	4500.0	105	42455	No
16	GOM_TRA_1PNPDE20100414_011002_000000522088_00317_42455_3845.N1	14-APR-2010 01:10:02	Twilight	51.500	61	8Eps Peg	2.1000	3900.0	103	42455	No
17	GOM_TRA_1PNPDE20100414_011230_000000452088_00317_42455_3846.N1	14-APR-2010 01:12:30	Dark	44.500	162	34Alp Aqr	2.9440	5350.0	89	42455	No
18	GOM_TRA_1PNPDE20100414_011502_000000452088_00317_42455_3847.N1	14-APR-2010 01:15:02	Dark	45.000	154	22Bet Aqr	2.8990	5700.0	90	42455	No
19	GOM_TRA_1PNPDE20100414_011727_000000422088_00317_42455_3864.N1	14-APR-2010 01:17:27	Dark	42.000	142	49Del Cap	2.8500	8900.0	84	42455	No
20	GOM_TRA_1PNPDE20100414_013730_000000532088_00318_42456_3865.N1	14-APR-2010 01:37:30	Dark	52.500	40	The Sco	1.8590	7100.0	105	42456	No
21	GOM_TRA_1PNPDE20100414_014450_000000452088_00318_42456_3866.N1	14-APR-2010 01:44:50	Straylight	45.000	78	Alp Lup	2.3040	28000.	90	42456	No
22	GOM_TRA_1PNPDE20100414_014626_000000472088_00318_42456_3867.N1	14-APR-2010 01:46:26	Straylight	47.000	81	Eta Cen	2.3560	28000.	94	42456	No
23	GOM_TRA_1PNPDE20100414_014850_000000472088_00318_42456_3868.N1	14-APR-2010 01:48:50	Straylight	47.000	54	5The Cen	2.0550	4500.0	94	42456	No
24	GOM_TRA_1PNPDE20100414_015338_000000452088_00318_42456_3869.N1	14-APR-2010 01:53:38	Tw_i_and_stray	44.500	169	46Gam Hya	2.9910	4700.0	89	42456	No
25	GOM_TRA_1PNPDE20100414_015720_000000492088_00318_42456_3870.N1	14-APR-2010 01:57:20	Bright	48.500	15	67Alp Vir	0.97600	28000.	97	42456	No
26	GOM_TRA_1PNPDE20100414_020024_000000402088_00318_42456_3871.N1	14-APR-2010 02:00:24	Bright	40.000	121	29Gam Vir	2.7400	7200.0	80	42456	No
27	GOM_TRA_1PNPDE20100414_020415_000000402088_00318_42456_3872.N1	14-APR-2010 02:04:15	Bright	39.500	138	47Eps Vir	2.8280	4700.0	79	42456	No
28	GOM_TRA_1PNPDE20100414_021226_000000392088_00318_42456_3873.N1	14-APR-2010 02:12:26	Bright	38.500	152	12Alp2CVn	2.8900	11000.	77	42456	No
29	GOM_TRA_1PNPDE20100414_021610_000000342088_00318_42456_3874.N1	14-APR-2010 02:16:10	Bright	34.000	87	64Gam UMa	2.4330	11000.	68	42456	No
30	GOM_TRA_1PNPDE20100414_021741_000000392088_00318_42456_3875.N1	14-APR-2010 02:17:41	Bright	38.500	55	79Zet UMa	2.0600	10200.	77	42456	No
31	GOM_TRA_1PNPDE20100414_022349_000000412088_00318_42456_3876.N1	14-APR-2010 02:23:49	Bright	40.500	60	7Bet UMi	2.0810	3950.0	81	42456	No
32	GOM_TRA_1PNPDE20100414_022526_000000542088_00318_42456_3877.N1	14-APR-2010 02:25:26	Bright	54.000	119	14Eta Dra	2.7270	4700.0	108	42456	No
33	GOM_TRA_1PNPDE20100414_023352_000000432088_00318_42456_3878.N1	14-APR-2010 02:33:52	Bright	43.000	89	5Alp Cep	2.4510	8000.0	86	42456	No
34	GOM_TRA_1PNPDE20100414_023908_000000492088_00318_42456_3879.N1	14-APR-2010 02:39:08	Bright	49.000	19	50Alp Cyg	1.2460	10500.	98	42456	No
35	GOM_TRA_1PNPDE20100414_024322_000000532088_00318_42456_3880.N1	14-APR-2010 02:43:22	Bright	52.500	92	53Eps Cyg	2.5000	4500.0	105	42456	No
36	GOM_TRA_1PNPDE20100414_025038_000000502088_00318_42456_3881.N1	14-APR-2010 02:50:38	Twilight	49.500	61	8Eps Peg	2.1000	3900.0	99	42456	No
37	GOM_TRA_1PNPDE20100414_025306_000000442088_00318_42456_3882.N1	14-APR-2010 02:53:06	Dark	43.500	162	34Alp Aqr	2.9440	5350.0	87	42456	No
38	GOM_TRA_1PNPDE20100414_025539_000000472088_00318_42456_3883.N1	14-APR-2010 02:55:39	Dark	47.000	154	22Bet Aqr	2.8990	5700.0	94	42456	No
39	GOM_TRA_1PNPDE20100414_025804_000000452088_00318_42456_3884.N1	14-APR-2010 02:58:04	Dark	44.500	142	49Del Cap	2.8500	8900.0	89	42456	No
40	GOM_TRA_1PNPDE20100414_031807_000000542088_00319_42457_3885.N1	14-APR-2010 03:18:07	Dark	54.000	40	The Sco	1.8590	7100.0	108	42457	No
41	GOM_TRA_1PNPDE20100414_032526_000000442088_00319_42457_3886.N1	14-APR-2010 03:25:26	Straylight	44.000	78	Alp Lup	2.3040	28000.	88	42457	No
42	GOM_TRA_1PNPDE20100414_032702_000000432088_00319_42457_3887.N1	14-APR-2010 03:27:02	Straylight	42.500	81	Eta Cen	2.3560	28000.	85	42457	No
43	GOM_TRA_1PNPDE20100414_032927_000000482088_00319_42457_3888.N1	14-APR-2010 03:29:27	Straylight	48.000	54	5The Cen	2.0550	4500.0	96	42457	No
44	GOM_TRA_1PNPDE20100414_033414_000000452088_00319_42457_3889.N1	14-APR-2010 03:34:14	Tw_i_and_stray	44.500	169	46Gam Hya	2.9910	4700.0	89	42457	No
45	GOM_TRA_1PNPDE20100414_033756_000000492088_00319_42457_3890.N1	14-APR-2010 03:37:56	Bright	48.500	15	67Alp Vir	0.97600	28000.	97	42457	No
46	GOM_TRA_1PNPDE20100414_034100_000000412088_00319_42457_3891.N1	14-APR-2010 03:41:00	Bright	40.500	121	29Gam Vir	2.7400	7200.0	81	42457	No
47	GOM_TRA_1PNPDE20100414_034451_000000432088_00319_42457_3892.N1	14-APR-2010 03:44:51	Bright	42.500	138	47Eps Vir	2.8280	4700.0	85	42457	No
48	GOM_TRA_1PNPDE20100414_035301_000000392088_00319_42457_3893.N1	14-APR-2010 03:53:01	Bright	38.500	152	12Alp2CVn	2.8900	11000.	77	42457	No
49	GOM_TRA_1PNPDE20100414_035646_000000372088_00319_42457_3892.N1	14-APR-2010 03:56:46	Bright	37.000	87	64Gam UMa	2.4330	11000.	74	42457	Yes
50	GOM_TRA_1PNPDE20100414_035817_000000402088_00319_42457_3893.N1	14-APR-2010 03:58:17	Bright	40.000	55	79Zet UMa	2.0600	10200.	80	42457	No
51	GOM_TRA_1PNPDE20100414_040425_000000362088_00319_42457_3894.N1	14-APR-2010 04:04:25	Bright	35.500	60	7Bet UMi	2.0810	3950.0	71	42457	No
52	GOM_TRA_1PNPDE20100414_040602_000000472088_00319_42457_3895.N1	14-APR-2010 04:06:02	Bright	47.000	119	14Eta Dra	2.7270	4700.0	94	42457	No
53	GOM_TRA_1PNPDE20100414_041428_000000372088_00319_42457_3896.N1	14-APR-2010 04:14:28	Bright	37.000	89	5Alp Cep	2.4510	8000.0	74	42457	No
54	GOM_TRA_1PNPDE20100414_041944_000000492088_00319_42457_3897.N1	14-APR-2010 04:19:44	Bright	48.500	19	50Alp Cyg	1.2460	10500.	97	42457	No
55	GOM_TRA_1PNPDE20100414_042358_000000532088_00319_42457_3898.N1	14-APR-2010 04:23:58	Bright	52.500	92	53Eps Cyg	2.5000	4500.0	105	42457	No
56	GOM_TRA_1PNPDE20100414_043115_000000512088_00319_42457_3899.N1	14-APR-2010 04:31:15	Twilight	50.500	61	8Eps Peg	2.1000	3900.0	101	42457	No
57	GOM_TRA_1PNPDE20100414_043343_000000452088_00319_42457_3900.N1	14-APR-2010 04:33:43	Dark	45.000	162	34Alp Aqr	2.9440	5350.0	90	42457	No
58	GOM_TRA_1PNPDE20100414_043616_000000492088_00319_42457_3901.N1	14-APR-2010 04:36:16	Dark	48.500	154	22Bet Aqr	2.8990	5700.0	97	42457	No
59	GOM_TRA_1PNPDE20100414_043840_000000432088_00319_42457_3902.N1	14-APR-2010 04:38:40	Dark	43.000	142	49Del Cap	2.8500	8900.0	86	42457	No
60	GOM_TRA_1PNPDE20100414_045845_000000592088_00320_42458_3903.N1	14-APR-2010 04:58:45	Dark	59.000	40	The Sco	1.8590	7100.0	118	42458	No
61	GOM_TRA_1PNPDE20100414_050603_000000422088_00320_42458_3904.N1	14-APR-2010 05:06:03	Straylight	42.000	78	Alp Lup	2.3040	28000.	84	42458	No
62	GOM_TRA_1PNPDE20100414_050739_000000442088_00320_42458_3905.N1	14-APR-2010 05:07:39	Straylight	43.500	81	Eta Cen	2.3560	28000.	87	42458	No
63	GOM_TRA_1PNPDE20100414_051003_000000462088_00320_42458_3906.N1	14-APR-2010 05:10:03	Straylight	46.000	54	5The Cen	2.0550	4500.0	92	42458	No
64	GOM_TRA_1PNPDE20100414_051450_000000422088_00320_42458_3907.N1	14-APR-2010 05:14:50	Tw_i_and_stray	42.000	169	46Gam Hya	2.9910	4700.0	84	42458	No
65	GOM_TRA_1PNPDE20100414_051832_000000462088_00320_42458_3908.N1	14-APR-2010 05:18:32	Bright	46.000	15	67Alp Vir	0.97600	28000.	92	42458	No
66	GOM_TRA_1PNPDE20100414_052136_000000412088_00320_42458_3909.N1	14-APR-2010 05:21:36	Bright	40.500	121	29Gam Vir	2.7400	7200.0	81	42458	No
67	GOM_TRA_1PNPDE20100414_052527_000000412088_00320_42458_3910.N1	14-APR-2010 05:25:27	Bright	41.000	138	47Eps Vir	2.8280	4700.0	82	42458	No
68	GOM_TRA_1PNPDE20100414_053337_000000382088_00320_42458_3911.N1	14-APR-2010 05:33:37	Bright	38.000	152	12Alp2CVn	2.8900	11000.	76	42458	No
69	GOM_TRA_1PNPDE20100414_053722_000000352088_00320_42458_3912.N1	14-APR-2010 05:37:22	Bright	35.000	87	64Gam UMa	2.4330	11000.	70	42458	No



70	GOM_TRA_1PNPDE20100414_053852_000000422088_00320_42458_3913.N1	14-APR-2010 05:38:52	Bright	42.000	55	79Zet UMa	2.0600	10200.	84	42458	No
71	GOM_TRA_1PNPDE20100414_054500_000000402088_00320_42458_3914.N1	14-APR-2010 05:45:00	Bright	40.000	60	7Bet UMi	2.0810	3950.0	80	42458	No
72	GOM_TRA_1PNPDE20100414_054637_000000482088_00320_42458_3915.N1	14-APR-2010 05:46:37	Bright	47.500	119	14Eta Dra	2.7270	4700.0	95	42458	No
73	GOM_TRA_1PNPDE20100414_055504_000000402088_00320_42458_3920.N1	14-APR-2010 05:55:04	Bright	40.000	89	5Alp Cep	2.4510	8000.0	80	42458	No
74	GOM_TRA_1PNPDE20100414_060019_000000472088_00320_42458_3921.N1	14-APR-2010 06:00:19	Bright	47.000	19	50Alp Cyg	1.2460	10500.	94	42458	No
75	GOM_TRA_1PNPDE20100414_060434_000000572088_00320_42458_3922.N1	14-APR-2010 06:04:34	Bright	57.000	92	53Eps Cyg	2.5000	4500.0	114	42458	No
76	GOM_TRA_1PNPDE20100414_061151_000000532088_00320_42458_3923.N1	14-APR-2010 06:11:51	Twilight	52.500	61	8Eps Peg	2.1000	3900.0	105	42458	No
77	GOM_TRA_1PNPDE20100414_061419_000000442088_00320_42458_3924.N1	14-APR-2010 06:14:19	Dark	43.500	162	34Alp Aqr	2.9440	5350.0	87	42458	No
78	GOM_TRA_1PNPDE20100414_061652_000000492088_00320_42458_3925.N1	14-APR-2010 06:16:52	Dark	48.500	154	22Bet Aqr	2.8990	5700.0	97	42458	No
79	GOM_TRA_1PNPDE20100414_061917_000000442088_00320_42458_3926.N1	14-APR-2010 06:19:17	Dark	44.000	142	49Del Cap	2.8500	8900.0	88	42458	No
80	GOM_TRA_1PNPDE20100414_063921_000000522088_00321_42459_3927.N1	14-APR-2010 06:39:21	Dark	51.500	40	The Sco	1.8590	7100.0	103	42459	No
81	GOM_TRA_1PNPDE20100414_064639_000000442088_00321_42459_3928.N1	14-APR-2010 06:46:39	Straylight	44.000	78	Alp Lup	2.3040	28000.	88	42459	No
82	GOM_TRA_1PNPDE20100414_064815_000000462088_00321_42459_3929.N1	14-APR-2010 06:48:15	Straylight	45.500	81	Eta Cen	2.3560	28000.	91	42459	No
83	GOM_TRA_1PNPDE20100414_065039_000000512088_00321_42459_3930.N1	14-APR-2010 06:50:39	Straylight	51.000	54	5The Cen	2.0550	4500.0	102	42459	No
84	GOM_TRA_1PNPDE20100414_065527_000000432088_00321_42459_3931.N1	14-APR-2010 06:55:27	Twilight	42.500	169	46Gam Hya	2.9910	4700.0	85	42459	No
85	GOM_TRA_1PNPDE20100414_065908_000000482088_00321_42459_3932.N1	14-APR-2010 06:59:08	Bright	47.500	15	67Alp Vir	0.97600	28000.	95	42459	No
86	GOM_TRA_1PNPDE20100414_070212_000000392088_00321_42459_3933.N1	14-APR-2010 07:02:12	Bright	39.000	121	29Gam Vir	2.7400	7200.0	78	42459	No
87	GOM_TRA_1PNPDE20100414_070603_000000412088_00321_42459_3934.N1	14-APR-2010 07:06:03	Bright	41.000	138	47Eps Vir	2.8280	4700.0	82	42459	No
88	GOM_TRA_1PNPDE20100414_071413_000000402088_00321_42459_3935.N1	14-APR-2010 07:14:13	Bright	39.500	152	12Alp2CVn	2.8900	11000.	79	42459	No
89	GOM_TRA_1PNPDE20100414_071758_000000362088_00321_42459_3936.N1	14-APR-2010 07:17:58	Bright	35.500	87	64Gam UMa	2.4330	11000.	71	42459	No
90	GOM_TRA_1PNPDE20100414_071928_000000402088_00321_42459_3937.N1	14-APR-2010 07:19:28	Bright	40.000	55	79Zet UMa	2.0600	10200.	80	42459	No
91	GOM_TRA_1PNPDE20100414_072536_000000402088_00321_42459_3938.N1	14-APR-2010 07:25:36	Bright	39.500	60	7Bet UMi	2.0810	3950.0	79	42459	No
92	GOM_TRA_1PNPDE20100414_072712_000000442088_00321_42459_3939.N1	14-APR-2010 07:27:12	Bright	44.000	119	14Eta Dra	2.7270	4700.0	88	42459	No
93	GOM_TRA_1PNPDE20100414_201130_000000442088_00329_42467_4026.N1	14-APR-2010 20:11:30	Straylight	44.000	78	Alp Lup	2.3040	28000.	88	42467	No
94	GOM_TRA_1PNPDE20100414_201306_000000442088_00329_42467_4027.N1	14-APR-2010 20:13:06	Straylight	43.500	81	Eta Cen	2.3560	28000.	87	42467	No
95	GOM_TRA_1PNPDE20100414_201530_000000502088_00329_42467_4028.N1	14-APR-2010 20:15:30	Straylight	49.500	54	5The Cen	2.0550	4500.0	99	42467	No
96	GOM_TRA_1PNPDE20100414_202016_000000432088_00329_42467_4029.N1	14-APR-2010 20:20:16	Twilight	42.500	169	46Gam Hya	2.9910	4700.0	85	42467	No
97	GOM_TRA_1PNPDE20100414_202356_000000452088_00329_42467_4030.N1	14-APR-2010 20:23:56	Bright	45.000	15	67Alp Vir	0.97600	28000.	90	42467	No
98	GOM_TRA_1PNPDE20100414_202659_000000402088_00329_42467_4031.N1	14-APR-2010 20:26:59	Bright	39.500	121	29Gam Vir	2.7400	7200.0	79	42467	No
99	GOM_TRA_1PNPDE20100414_203049_000000422088_00329_42467_4032.N1	14-APR-2010 20:30:49	Bright	41.500	138	47Eps Vir	2.8280	4700.0	83	42467	No
100	GOM_TRA_1PNPDE20100414_203858_000000402088_00329_42467_4033.N1	14-APR-2010 20:38:58	Bright	39.500	152	12Alp2CVn	2.8900	11000.	79	42467	No
101	GOM_TRA_1PNPDE20100414_204320_000000422088_00329_42467_4034.N1	14-APR-2010 20:43:20	Bright	41.500	39	85Eta UMa	1.8540	24000.	83	42467	No
102	GOM_TRA_1PNPDE20100414_205022_000000372088_00329_42467_4035.N1	14-APR-2010 20:50:22	Bright	37.000	60	7Bet UMi	2.0810	3950.0	74	42467	No
103	GOM_TRA_1PNPDE20100414_205153_000000472088_00329_42467_4036.N1	14-APR-2010 20:51:53	Bright	47.000	119	14Eta Dra	2.7270	4700.0	94	42467	No
104	GOM_TRA_1PNPDE20100414_210026_000000402088_00329_42467_4037.N1	14-APR-2010 21:00:26	Bright	39.500	89	5Alp Cep	2.4510	8000.0	79	42467	No
105	GOM_TRA_1PNPDE20100414_210542_000000482088_00329_42467_4038.N1	14-APR-2010 21:05:42	Bright	48.000	19	50Alp Cyg	1.2460	10500.	96	42467	No
106	GOM_TRA_1PNPDE20100414_210958_000000442088_00329_42467_4039.N1	14-APR-2010 21:09:58	Bright	44.000	92	53Eps Cyg	2.5000	4500.0	88	42467	No
107	GOM_TRA_1PNPDE20100414_211718_000000582088_00329_42467_4040.N1	14-APR-2010 21:17:18	Twilight	58.000	61	8Eps Peg	2.1000	3900.0	116	42467	No
108	GOM_TRA_1PNPDE20100414_211946_000000442088_00329_42467_4041.N1	14-APR-2010 21:19:46	Dark	43.500	162	34Alp Aqr	2.9440	5350.0	87	42467	No
109	GOM_TRA_1PNPDE20100414_212221_000000502088_00329_42467_4043.N1	14-APR-2010 21:22:21	Dark	50.000	154	22Bet Aqr	2.8990	5700.0	100	42467	No
110	GOM_TRA_1PNPDE20100414_212445_000000452088_00329_42467_4044.N1	14-APR-2010 21:24:45	Dark	45.000	142	49Del Cap	2.8500	8900.0	90	42467	No
111	GOM_TRA_1PNPDE20100414_214455_000000652088_00330_42468_4045.N1	14-APR-2010 21:44:55	Dark	65.000	40	The Sco	1.8590	7100.0	130	42468	No
112	GOM_TRA_1PNPDE20100414_215207_000000442088_00330_42468_4046.N1	14-APR-2010 21:52:07	Straylight	43.500	78	Alp Lup	2.3040	28000.	87	42468	No
113	GOM_TRA_1PNPDE20100414_215343_000000422088_00330_42468_4047.N1	14-APR-2010 21:53:43	Straylight	42.000	81	Eta Cen	2.3560	28000.	84	42468	No
114	GOM_TRA_1PNPDE20100414_215606_000000492088_00330_42468_4048.N1	14-APR-2010 21:56:06	Straylight	49.000	54	5The Cen	2.0550	4500.0	98	42468	No
115	GOM_TRA_1PNPDE20100414_220051_000000462088_00330_42468_4049.N1	14-APR-2010 22:00:51	Twilight	45.500	169	46Gam Hya	2.9910	4700.0	91	42468	No
116	GOM_TRA_1PNPDE20100414_220431_000000482088_00330_42468_4050.N1	14-APR-2010 22:04:31	Bright	47.500	15	67Alp Vir	0.97600	28000.	95	42468	No
117	GOM_TRA_1PNPDE20100414_220735_000000392088_00330_42468_4051.N1	14-APR-2010 22:07:35	Bright	38.500	121	29Gam Vir	2.7400	7200.0	77	42468	No
118	GOM_TRA_1PNPDE20100414_221124_000000412088_00330_42468_4052.N1	14-APR-2010 22:11:24	Bright	40.500	138	47Eps Vir	2.8280	4700.0	81	42468	No
119	GOM_TRA_1PNPDE20100414_221453_000000272088_00330_42468_4053.N1	14-APR-2010 22:14:53	Twilight	27.000	111	8Eta Boo	2.6800	6000.0	54	42468	No
120	GOM_TRA_1PNPDE20100414_221933_000000392088_00330_42468_4054.N1	14-APR-2010 22:19:33	Bright	39.000	152	12Alp2CVn	2.8900	11000.	78	42468	No
121	GOM_TRA_1PNPDE20100414_222356_000000442088_00330_42468_4055.N1	14-APR-2010 22:23:56	Bright	44.000	39	85Eta UMa	1.8540	24000.	88	42468	No
122	GOM_TRA_1PNPDE20100414_223057_000000392088_00330_42468_4056.N1	14-APR-2010 22:30:57	Bright	38.500	60	7Bet UMi	2.0810	3950.0	77	42468	No
123	GOM_TRA_1PNPDE20100414_223229_000000482088_00330_42468_4057.N1	14-APR-2010 22:32:29	Bright	47.500	119	14Eta Dra	2.7270	4700.0	95	42468	No
124	GOM_TRA_1PNPDE20100414_224101_000000392088_00330_42468_4058.N1	14-APR-2010 22:41:01	Bright	38.500	89	5Alp Cep	2.4510	8000.0	77	42468	No
125	GOM_TRA_1PNPDE20100414_224617_000000482088_00330_42468_4059.N1	14-APR-2010 22:46:17	Bright	48.000	19	50Alp Cyg	1.2460	10500.	96	42468	No
126	GOM_TRA_1PNPDE20100414_225034_000000362088_00330_42468_4060.N1	14-APR-2010 22:50:34	Bright	36.000	92	53Eps Cyg	2.5000	4500.0	72	42468	No
127	GOM_TRA_1PNPDE20100414_225754_000000522088_00330_42468_4061.N1	14-APR-2010 22:57:54	Twilight	52.000	61	8Eps Peg	2.1000	3900.0	104	42468	No
128	GOM_TRA_1PNPDE20100414_230022_000000462088_00330_42468_4062.N1	14-APR-2010 23:00:22	Dark	46.000	162	34Alp Aqr	2.9440	5350.0	92	42468	No

129	GOM_TRA_1PNPDE20100414_230257_000000512088_00330_42468_4063.N1	14-APR-2010 23:02:57	Dark	51.000	154	22Bet Aqr	2.8990	5700.0	102	42468	No
130	GOM_TRA_1PNPDE20100414_230521_000000452088_00330_42468_4062.N1	14-APR-2010 23:05:21	Dark	45.000	142	49Del Cap	2.8500	8900.0	90	42468	No
131	GOM_TRA_1PNPDE20100414_232531_000000552088_00331_42469_4063.N1	14-APR-2010 23:25:31	Dark	54.500	40	The Sco	1.8590	7100.0	109	42469	No
132	GOM_TRA_1PNPDE20100414_233243_000000442088_00331_42469_4064.N1	14-APR-2010 23:32:43	Straylight	43.500	78	Alp Lup	2.3040	28000.	87	42469	No
133	GOM_TRA_1PNPDE20100414_233419_000000472088_00331_42469_4065.N1	14-APR-2010 23:34:19	Straylight	46.500	81	Eta Cen	2.3560	28000.	93	42469	No
134	GOM_TRA_1PNPDE20100414_233642_000000462088_00331_42469_4066.N1	14-APR-2010 23:36:42	Straylight	46.000	54	5The Cen	2.0550	4500.0	92	42469	No
135	GOM_TRA_1PNPDE20100414_234128_000000442088_00331_42469_4067.N1	14-APR-2010 23:41:28	Twilight_stray	44.000	169	46Gam Hya	2.9910	4700.0	88	42469	No
136	GOM_TRA_1PNPDE20100414_234508_000000482088_00331_42469_4068.N1	14-APR-2010 23:45:08	Bright	47.500	15	67Alp Vir	0.97600	28000.	95	42469	No
137	GOM_TRA_1PNPDE20100414_234811_000000542088_00331_42469_4069.N1	14-APR-2010 23:48:11	Bright	54.000	121	29Gam Vir	2.7400	7200.0	108	42469	No
138	GOM_TRA_1PNPDE20100414_235200_000000402088_00331_42469_4070.N1	14-APR-2010 23:52:00	Bright	39.500	138	47Eps Vir	2.8280	4700.0	79	42469	No
139	GOM_TRA_1PNPDE20100414_235529_000000272088_00331_42469_4071.N1	14-APR-2010 23:55:29	Twilight_stray	27.000	111	8Eta Boo	2.6800	6000.0	54	42469	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).

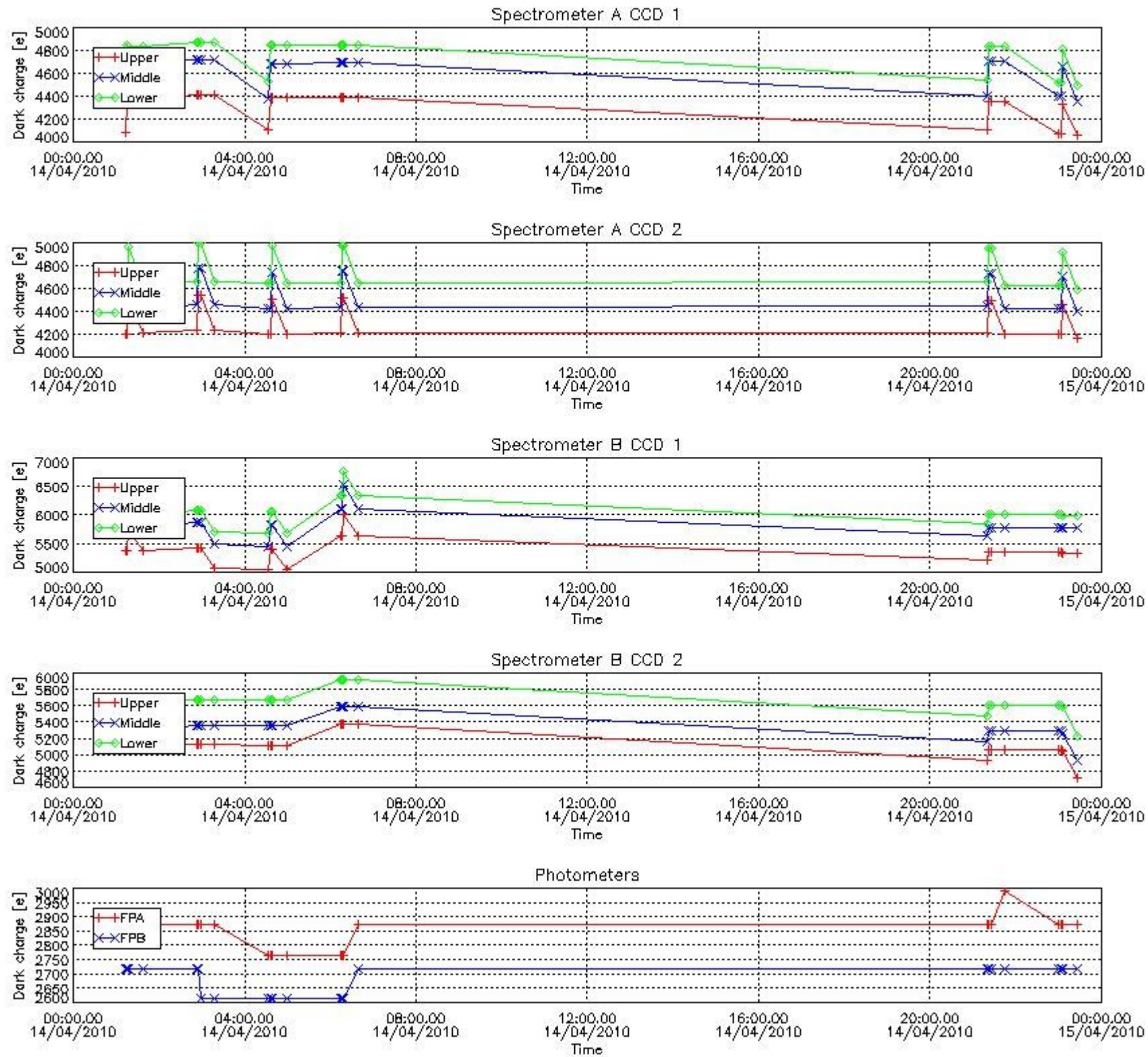
In this section a list of products that did not use the Dark Sky Area (DSA) observation for the DC computation is given. It is also provided the mean DC plot per product for dark limb products with no error flag set.

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

Product name	DC information
GOM_TRA_1PNPDE20100414_201130_000000442088_00329_42467_4026.N1	DC map used
GOM_TRA_1PNPDE20100414_201306_000000442088_00329_42467_4027.N1	DC map used
GOM_TRA_1PNPDE20100414_201530_000000502088_00329_42467_4028.N1	DC map used
GOM_TRA_1PNPDE20100414_202016_000000432088_00329_42467_4029.N1	DC map used
GOM_TRA_1PNPDE20100414_202356_000000452088_00329_42467_4030.N1	DC map used
GOM_TRA_1PNPDE20100414_202659_000000402088_00329_42467_4031.N1	DC map used
GOM_TRA_1PNPDE20100414_203049_000000422088_00329_42467_4032.N1	DC map used
GOM_TRA_1PNPDE20100414_203858_000000402088_00329_42467_4033.N1	DC map used
GOM_TRA_1PNPDE20100414_204320_000000422088_00329_42467_4034.N1	DC map used
GOM_TRA_1PNPDE20100414_205022_000000372088_00329_42467_4035.N1	DC map used
GOM_TRA_1PNPDE20100414_205153_000000472088_00329_42467_4036.N1	DC map used
GOM_TRA_1PNPDE20100414_210026_000000402088_00329_42467_4037.N1	DC map used
GOM_TRA_1PNPDE20100414_210542_000000482088_00329_42467_4038.N1	DC map used
GOM_TRA_1PNPDE20100414_210958_000000442088_00329_42467_4039.N1	DC map used
GOM_TRA_1PNPDE20100414_211718_000000582088_00329_42467_4040.N1	DC map used
GOM_TRA_1PNPDE20100414_211946_000000442088_00329_42467_4041.N1	DC map used

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





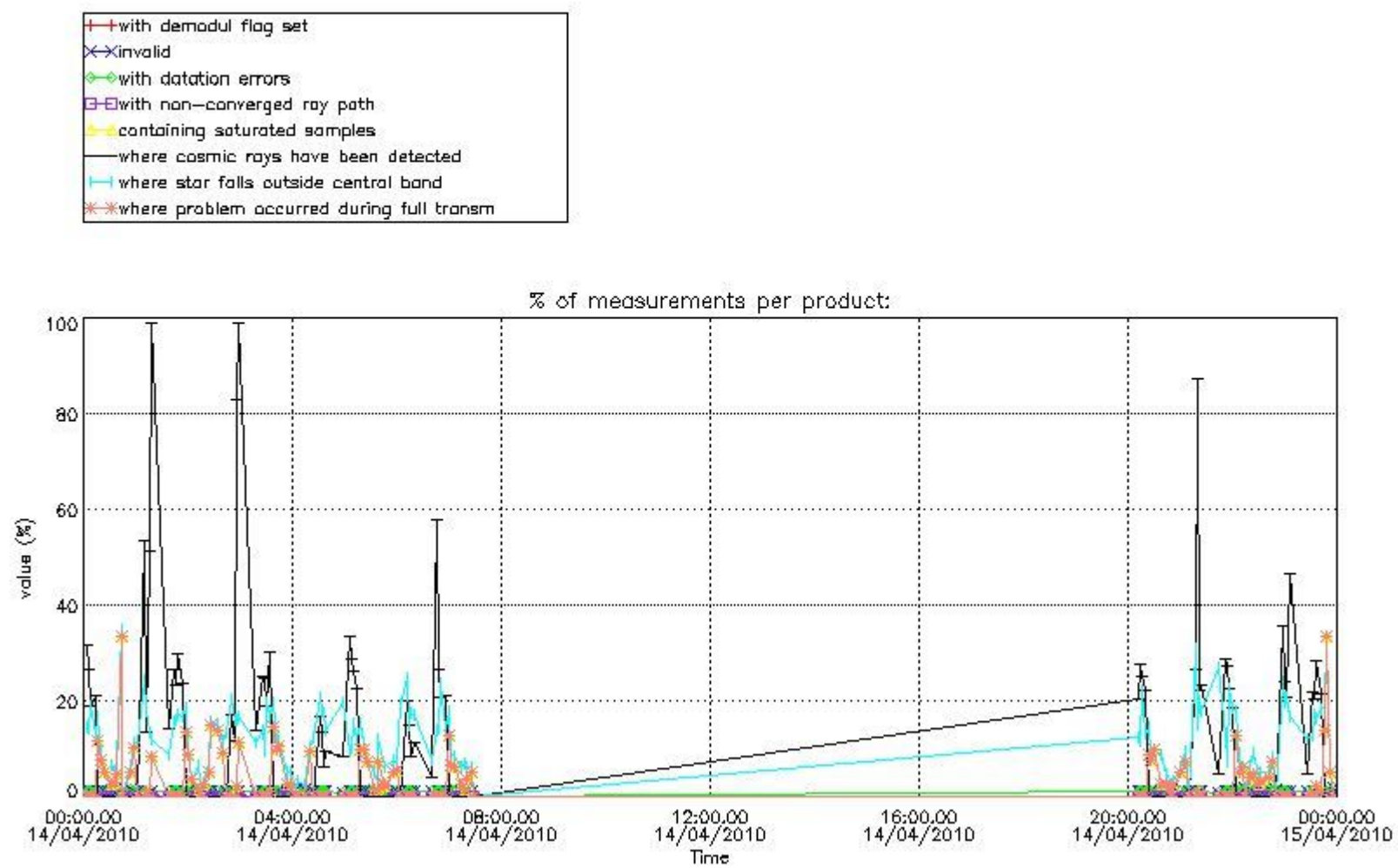
## 5. Demodulation flag and quality information monitoring

In this section it is presented the modulation information extracted from the pcd (product confidence data) at measurement level and information extracted from the Quality Summary dataset. Only products without errors (error flag in the MPH set to "0") are used.

### 5.1 Percentage of products during reporting period with:

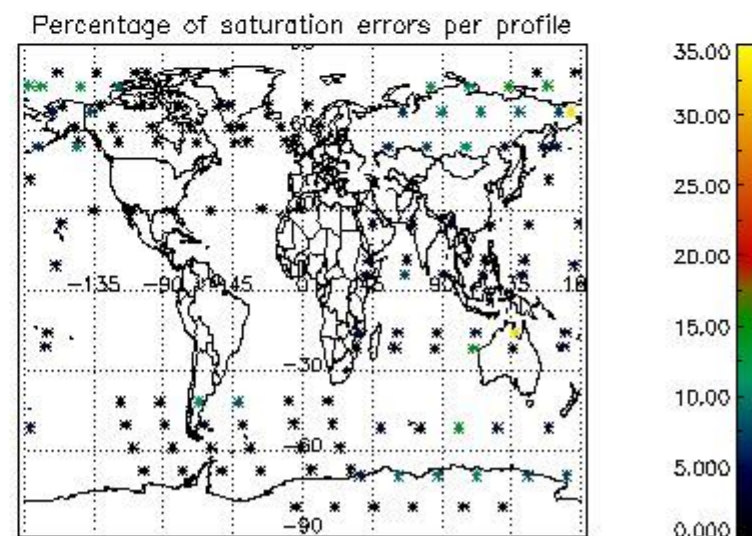
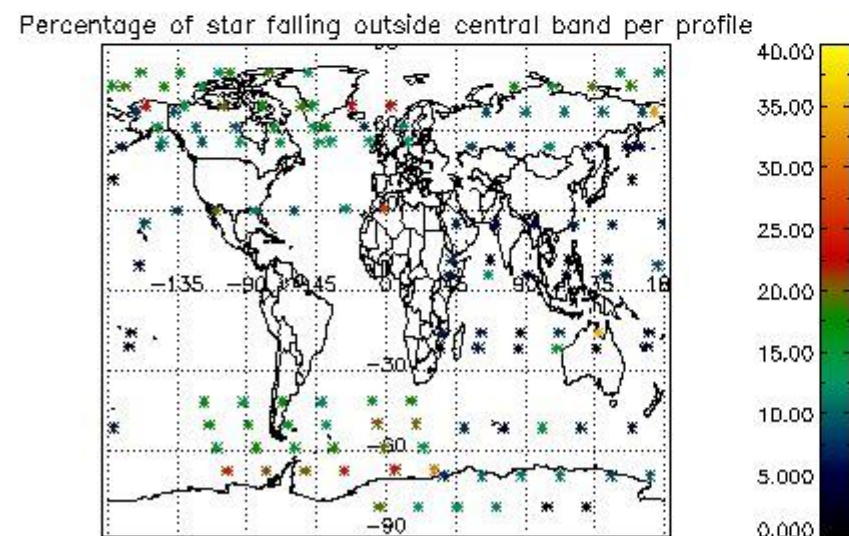
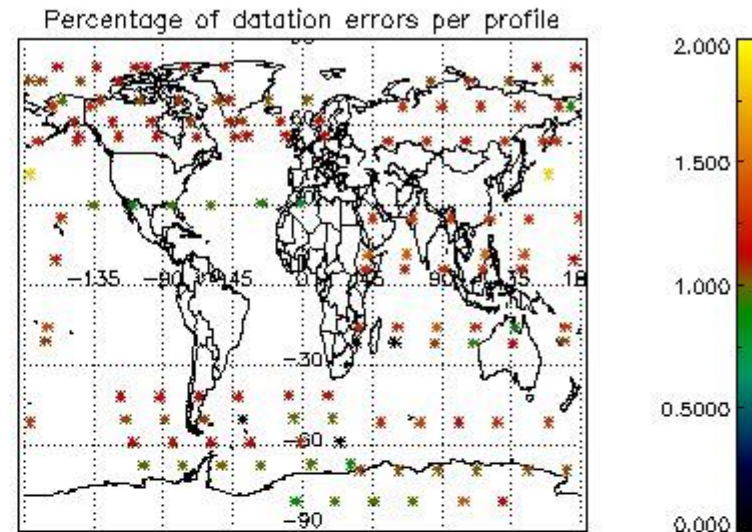
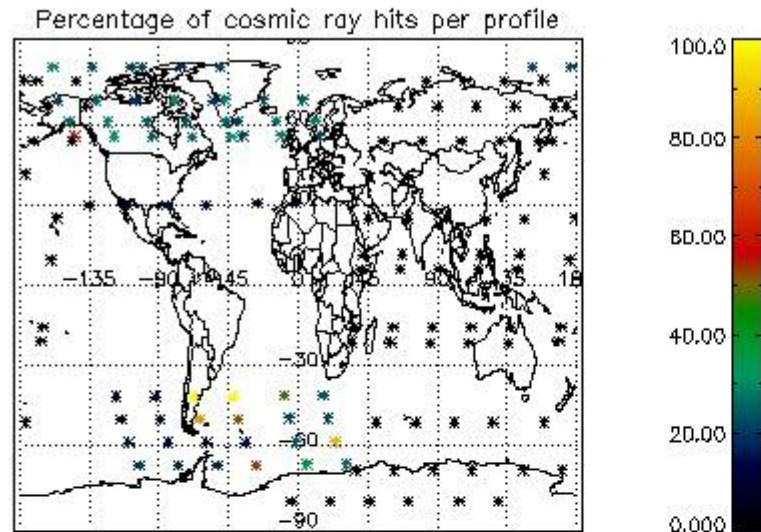
At least one measurement with demodulation flag set:	35.5072 %
Reference spectrum computed from DB:	0.00000 %
Reference spectrum with small number of measurements:	0.00000 %
SATU data not used:	0.00000 %

5.2 Plot quality information per product (time dependant)



5.3 Plot quality information per product (world map)





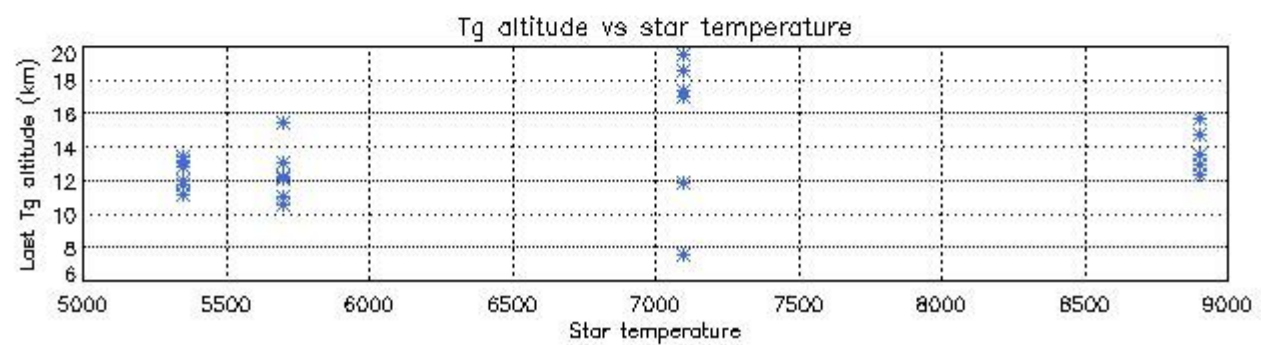
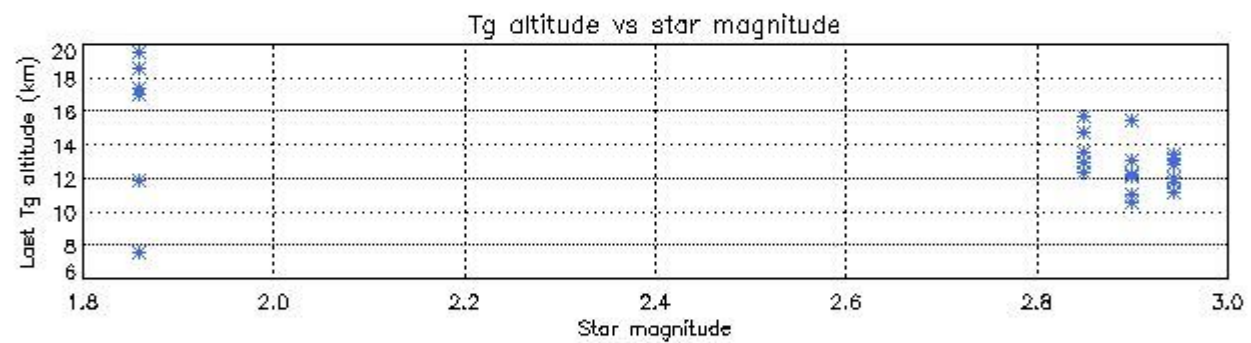
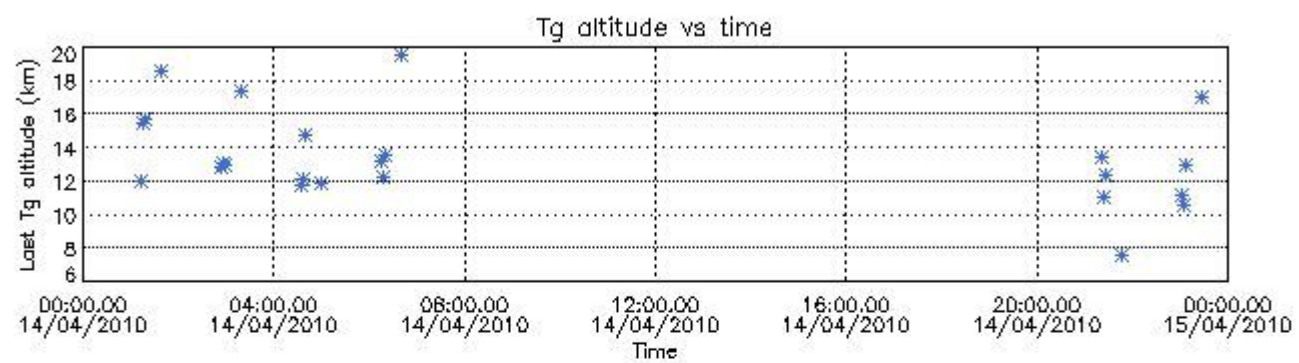
## 6. Statistics and plot of tangent altitude of the last measurement (DARK & BRIGHT products without errors)

### 6.1 Statistics on tangent altitude lost:

Statistics	DARK	BRIGHT	TWILIGHT
Mean:	13.442	19.454	9.1987
St. deviation:	2.7041	5.8047	1.7471
Maximum:	19.475	47.385	10.642
Minimum:	7.5049	3.1691	5.7879
Number of data:	24.000	74.000	6.0000

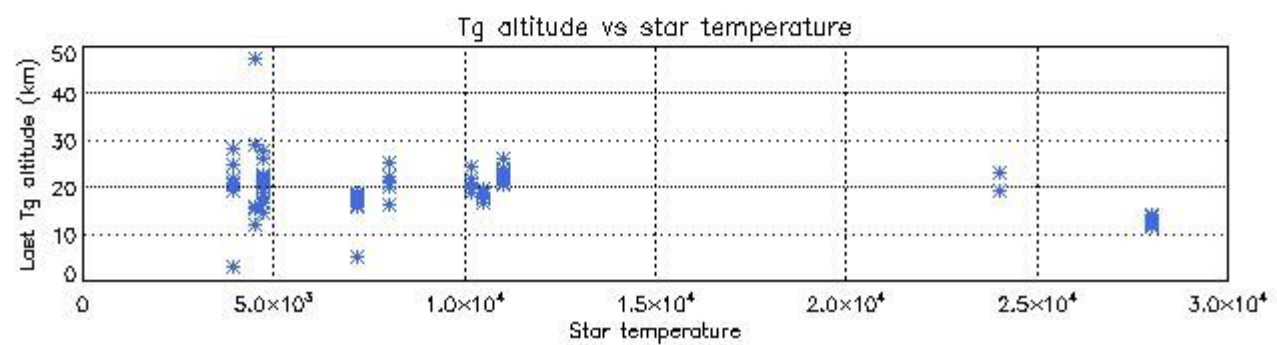
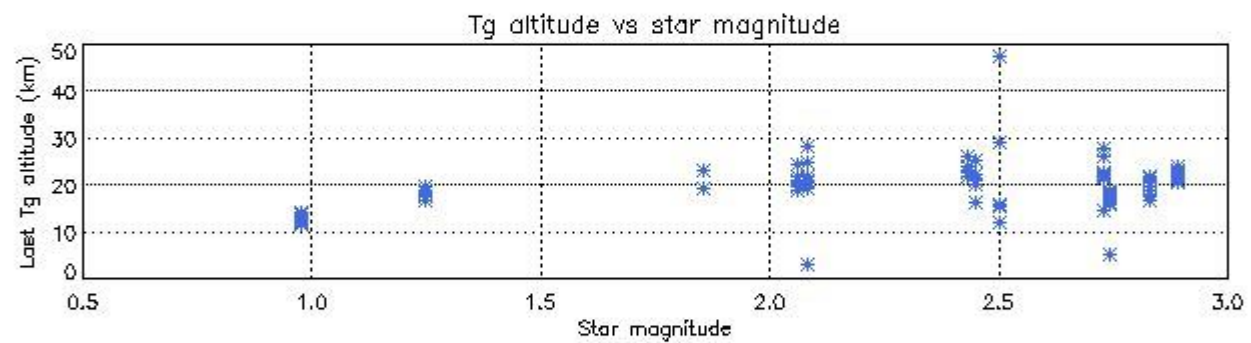
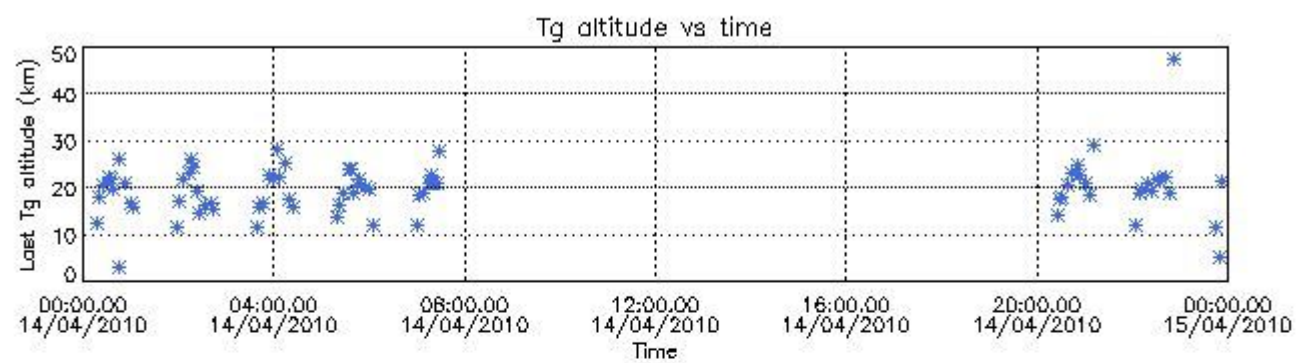
### 6.2 Plot for DARK limb products

Tangent altitude at which the star is lost



6.3 Plot for BRIGHT limb products

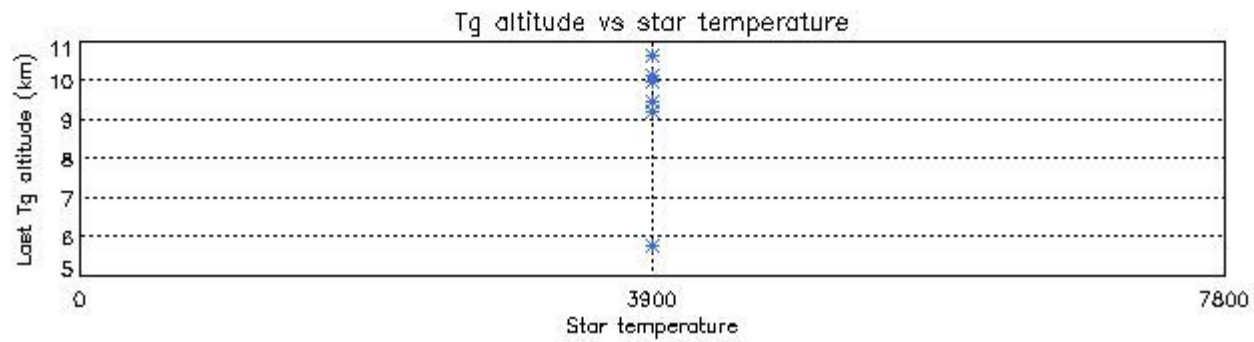
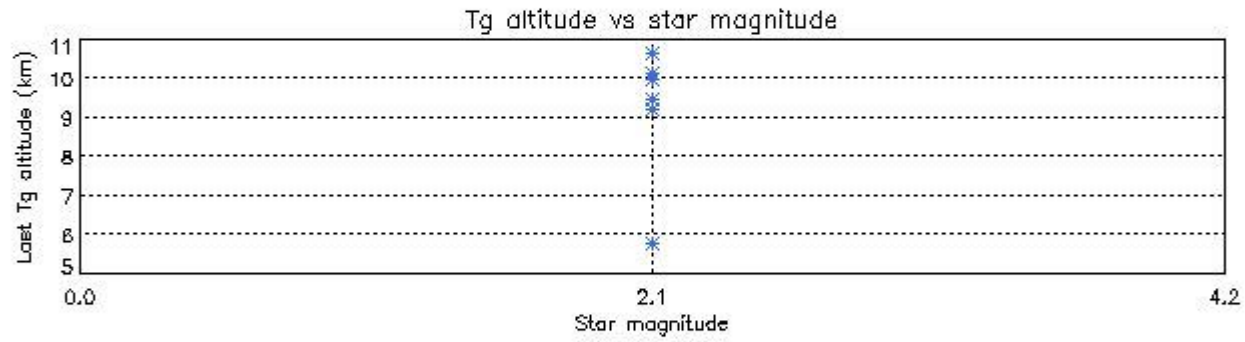
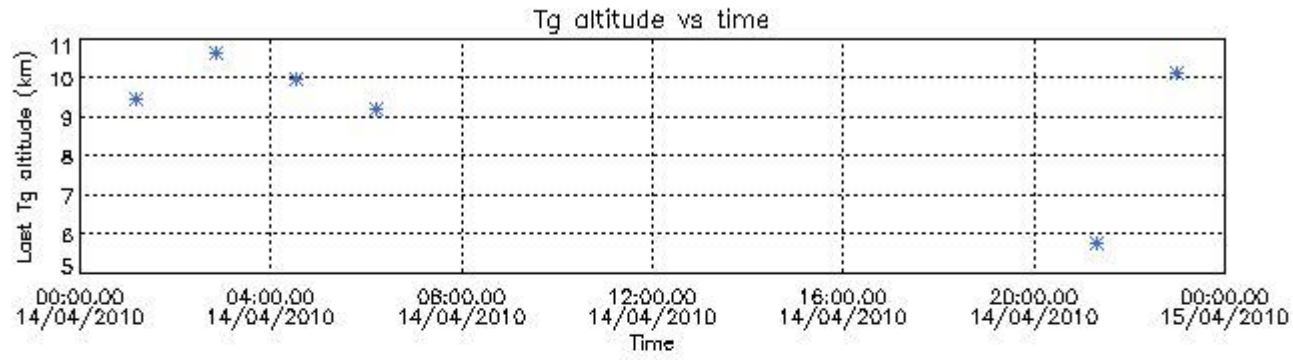
Tangent altitude at which the star is lost



6.3 Plot for TWILIGHT limb products



Tangent altitude at which the star is lost

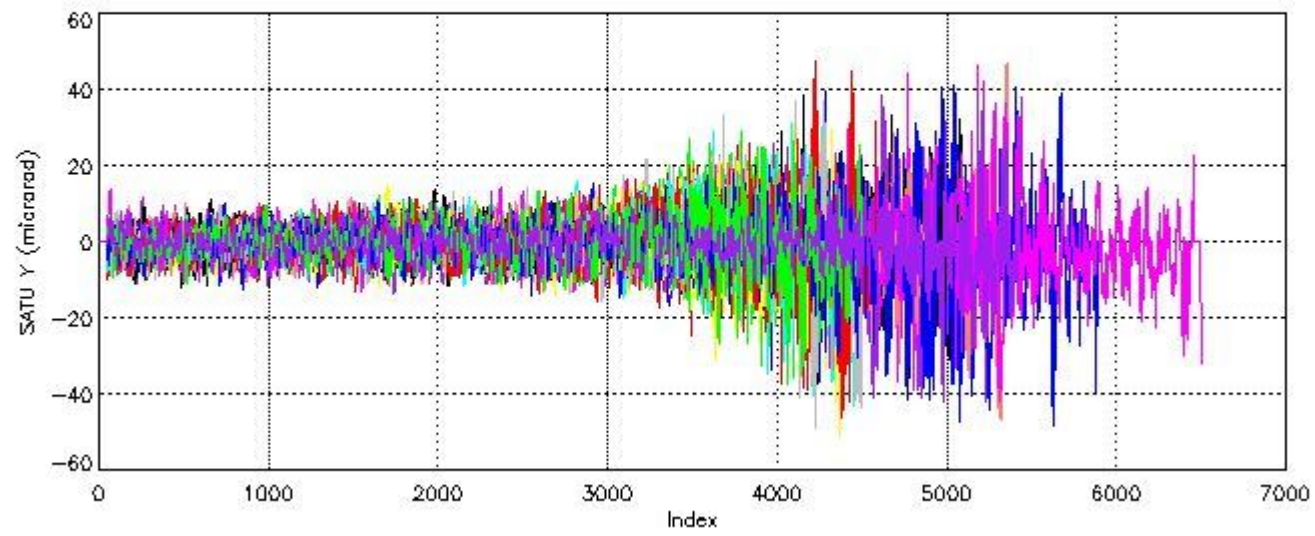
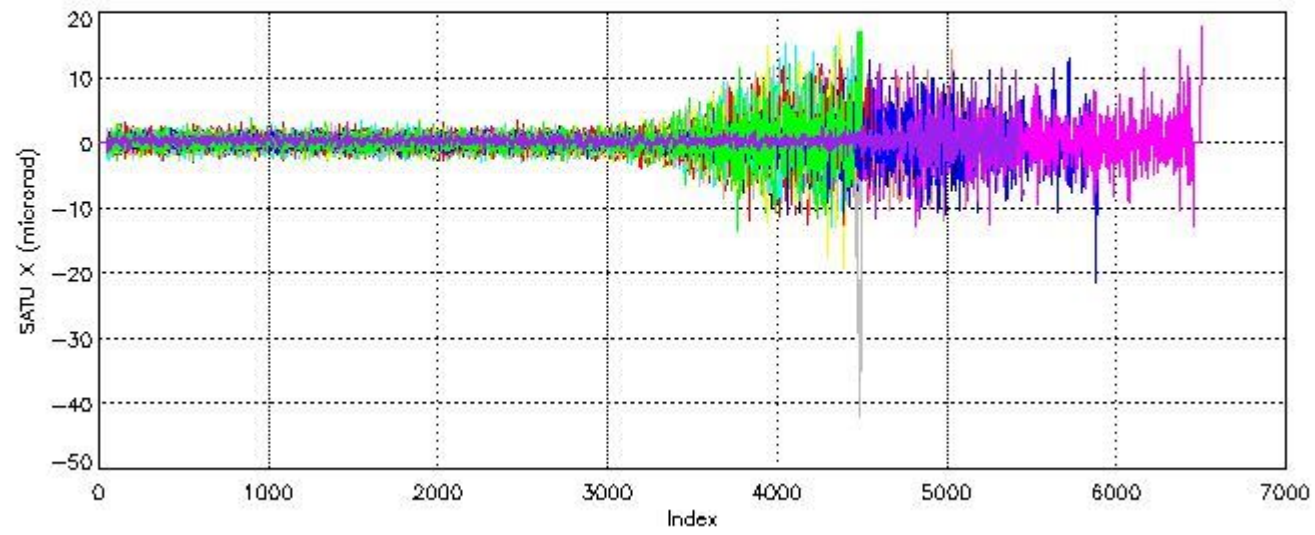


## 7. Star Acquisition and Tracking Unit (SATU)

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:	0.16476	-0.48813	0.20381	-0.59221
St. deviation:	0.66610	3.1329	0.78357	3.1307
Maximum:	3.7000	13.600	6.2000	13.900
Minimum:	-3.1000	-12.800	-6.4000	-13.900

Number of data:	24550.	24550.	72950.	72950.
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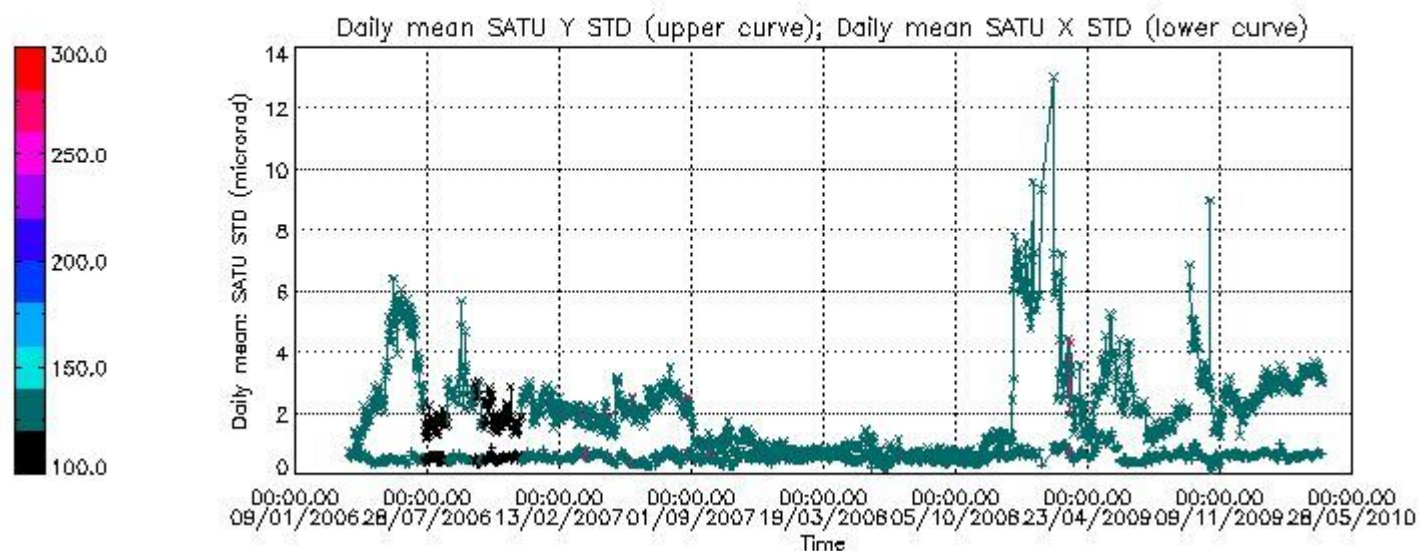
### 7.2.2 Trend of daily SATU NEA St. deviation since 1st April 2006 (dark limb)

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

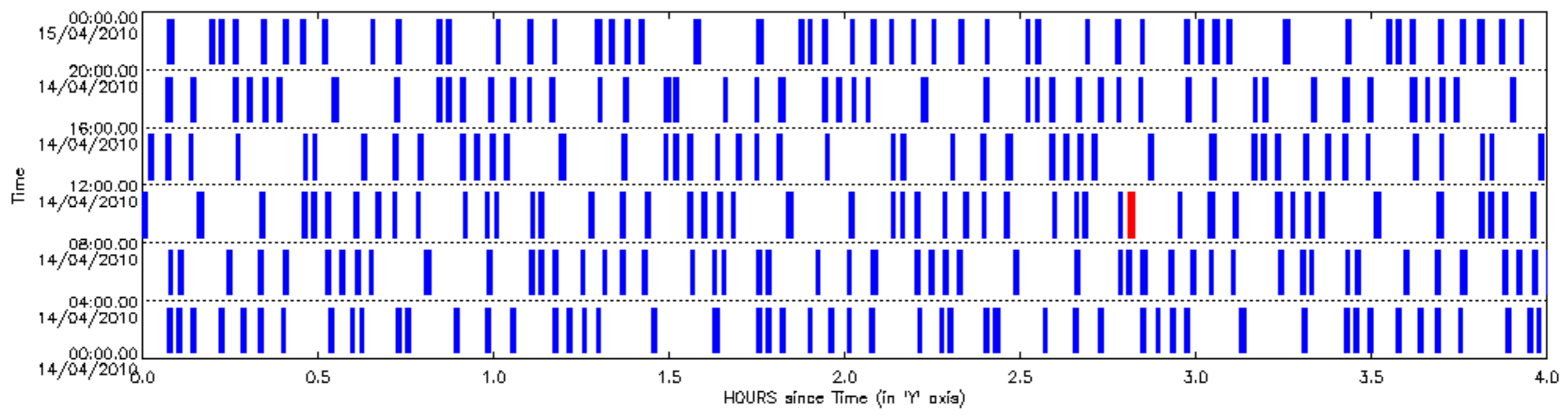


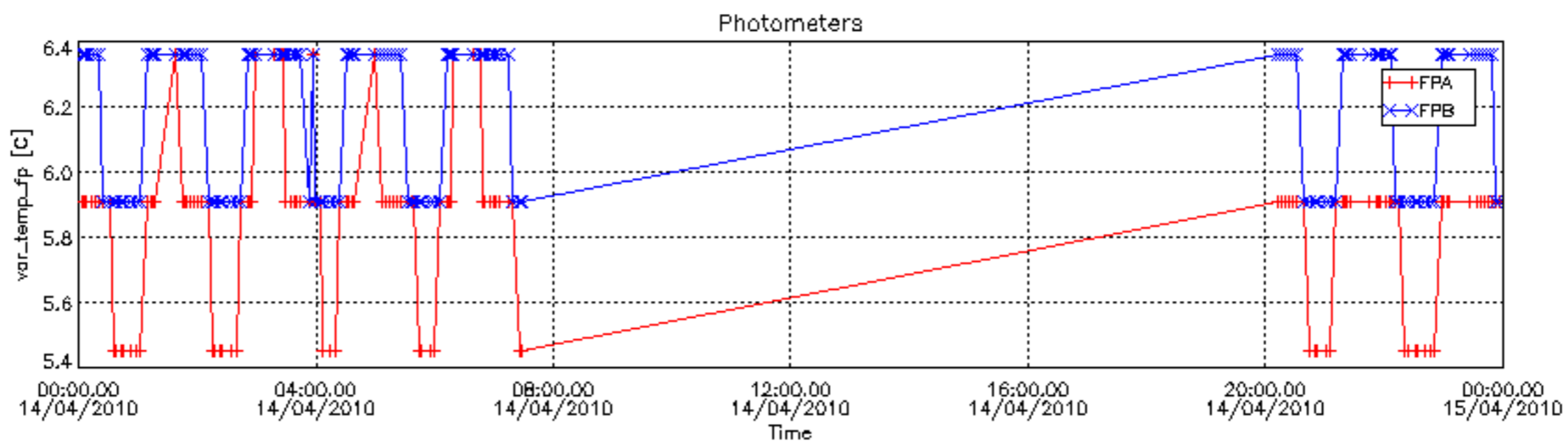
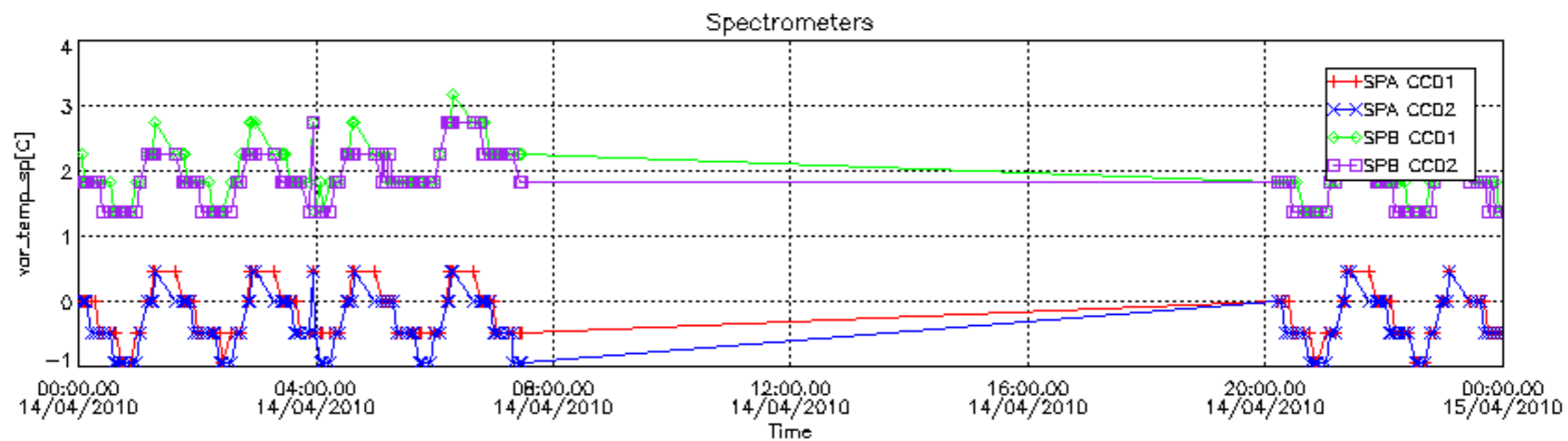
### 8. Auxiliary Data Files used for the production reported in section 2.4

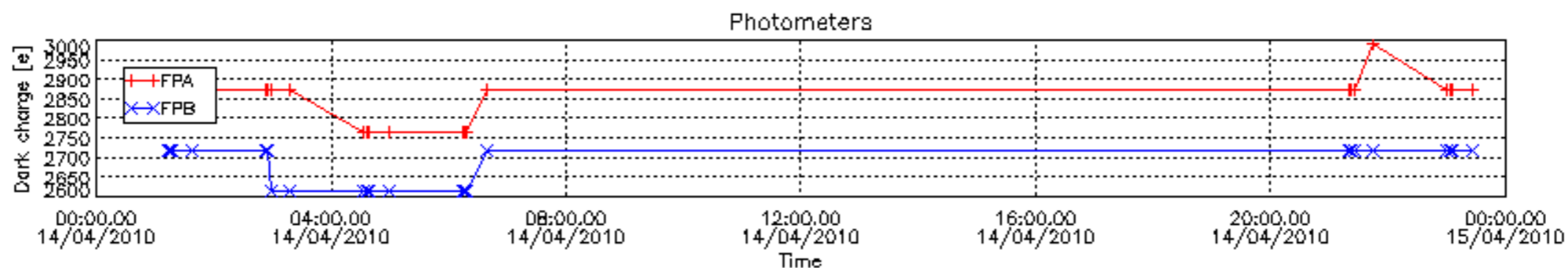
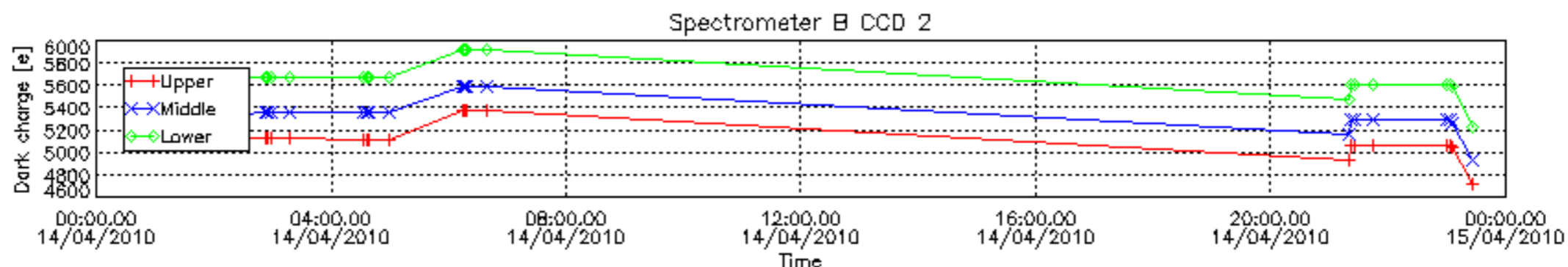
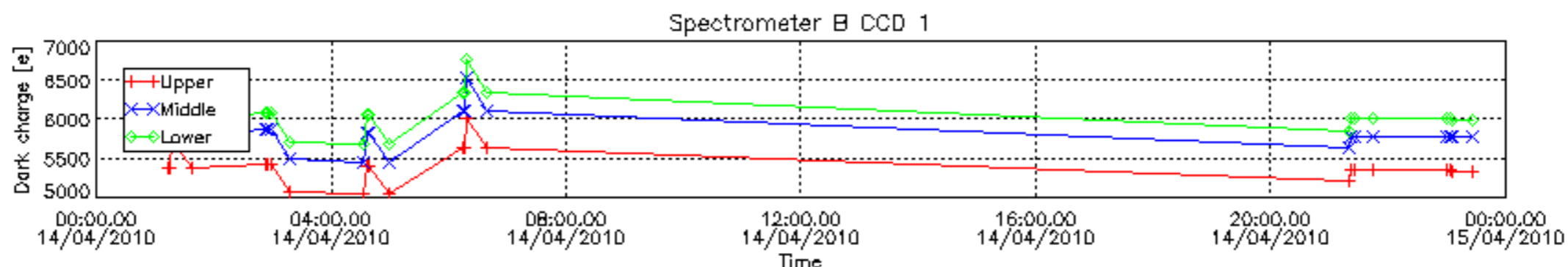
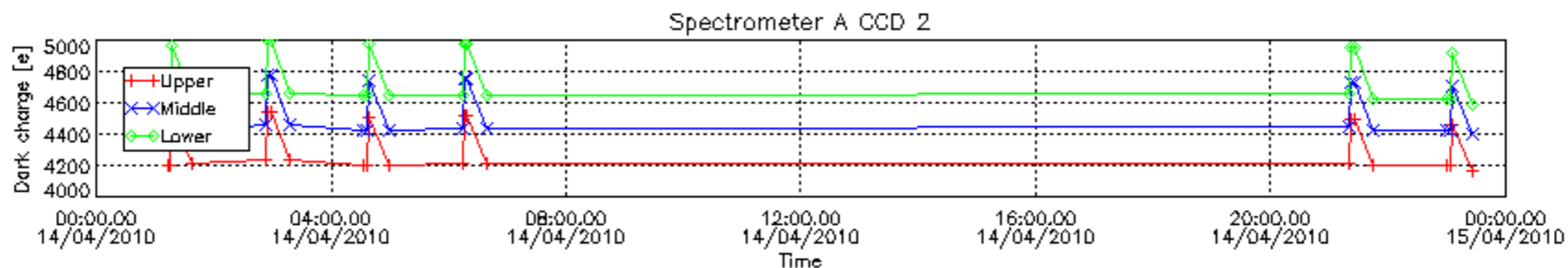
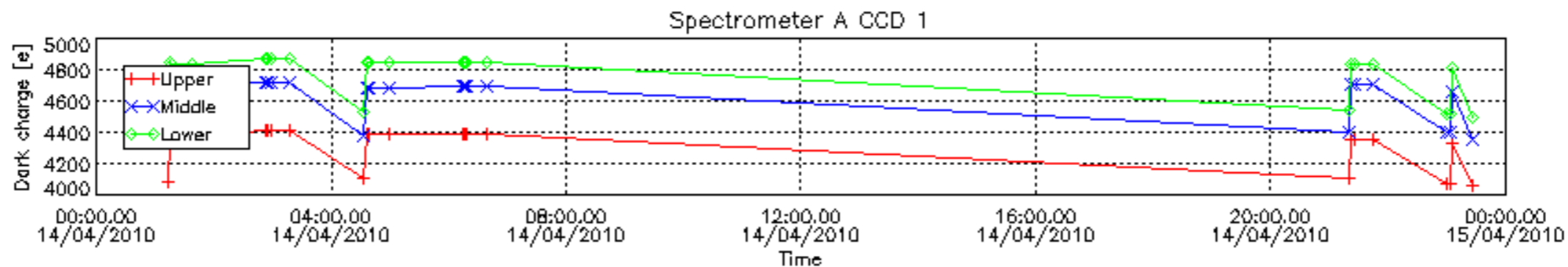
The number reported in the third column indicates since which file (see list in section 2.4) the corresponding auxiliary file has been used. The fourth column is the date of those product files.

Type	Auxiliary Filename	Used since product	Used since product date
INST_PHYS_CHARACTERISTICS	GOM_INS_AXVIEC20091111_143220_20030716_120000_20500101_000000	1	14-APR-2010 00:04:13
CALIBRATION_DATABASE	GOM_CAL_AXVIEC20100413_150709_20100411_000000_20500101_000000	1	14-APR-2010 00:04:13
LEVEL-1B_PROC_CONFIG	GOM_PR1_AXVIEC20091111_145255_20020301_000000_20500101_000000	1	14-APR-2010 00:04:13
STAR_CATALOGUE	GOM_CAT_AXVIEC20020121_161009_20020101_000000_20200101_000000	1	14-APR-2010 00:04:13
STELLAR_SPECTRA_DATABANK	GOM_STS_AXVIEC20091111_151504_20020101_160000_20500101_000000	1	14-APR-2010 00:04:13
ECMWF_FILE	AUX_ECF_AXNECM20100413_052117_20100413_210000_20100414_090000	1	14-APR-2010 00:04:13
ECMWF_FILE	AUX_ECF_AXNECM20100413_172117_20100414_030000_20100414_150000	49	14-APR-2010 03:56:46
ECMWF_FILE	AUX_ECA_AXNECM20100414_052117_20100413_210000_20100414_090000	73	14-APR-2010 05:55:04
ECMWF_FILE	AUX_ECF_AXNECM20100414_052118_20100414_150000_20100415_030000	93	14-APR-2010 20:11:30
ECMWF_FILE	AUX_ECF_AXNECM20100414_052119_20100414_210000_20100415_090000	109	14-APR-2010 21:22:21
OPTIONAL_ECMWF_FILE	MISSING	1	14-APR-2010 00:04:13
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20100413_233716_000054192088_00316_42454_0154.N1	1	14-APR-2010 00:04:13
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20100414_011255_000092452088_00317_42455_0155.N1	19	14-APR-2010 01:17:27
ORBIT_DATA_FILE	AUX_FPO_AXVPDS20100413_100117_20100412_191823_20100422_204434	49	14-APR-2010 03:56:46
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20100414_054912_000057382088_00320_42458_0157.N1	73	14-APR-2010 05:55:04
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20100414_200437_000041442088_00329_42467_0158.N1	93	14-APR-2010 20:11:30
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20100414_211900_000057382088_00329_42467_0159.N1	109	14-APR-2010 21:22:21
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20100414_225957_000057382088_00330_42468_0160.N1	130	14-APR-2010 23:05:21

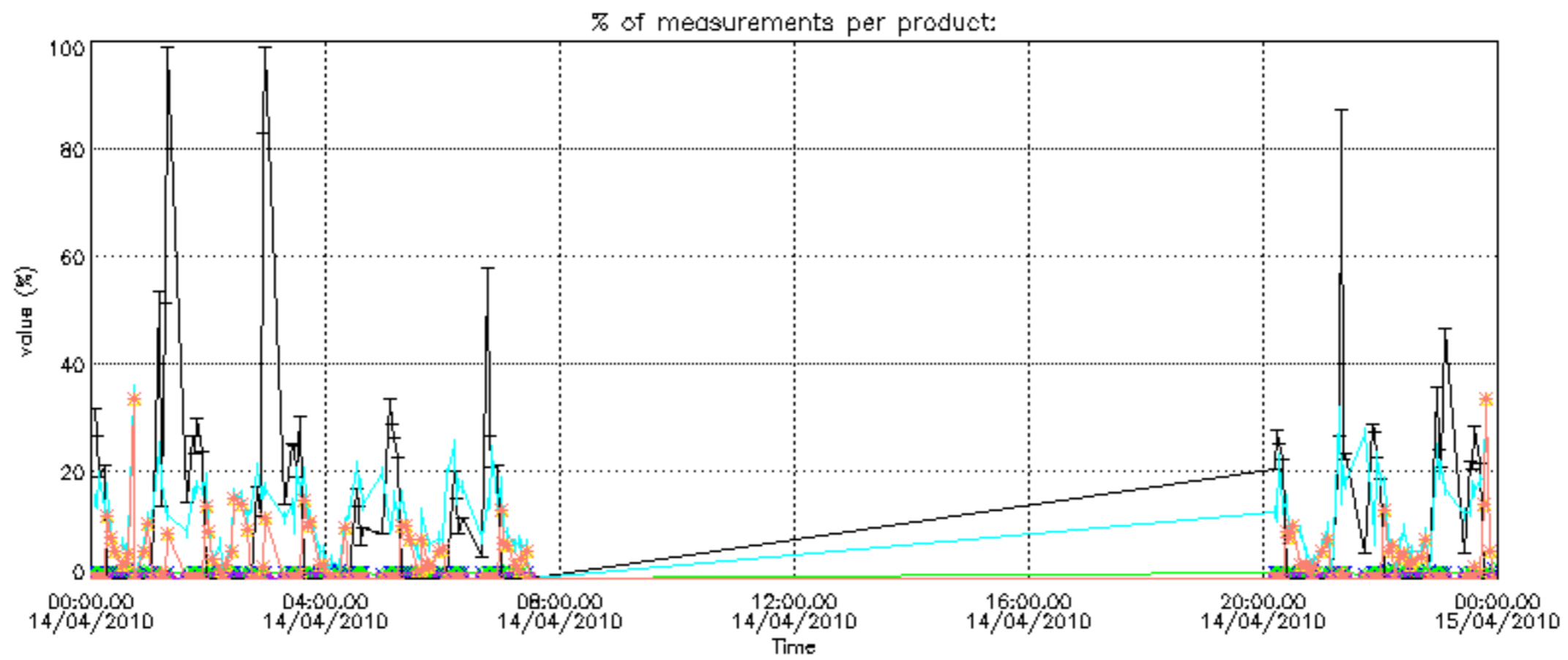
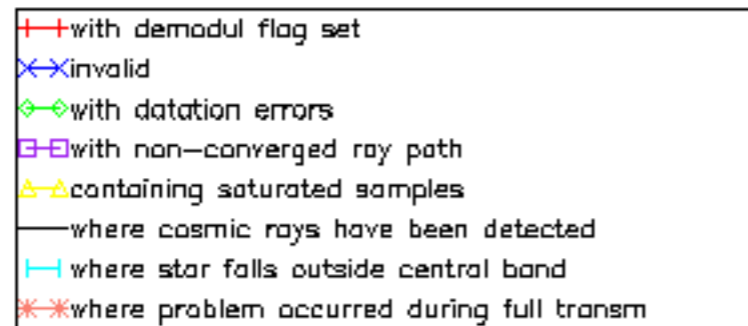




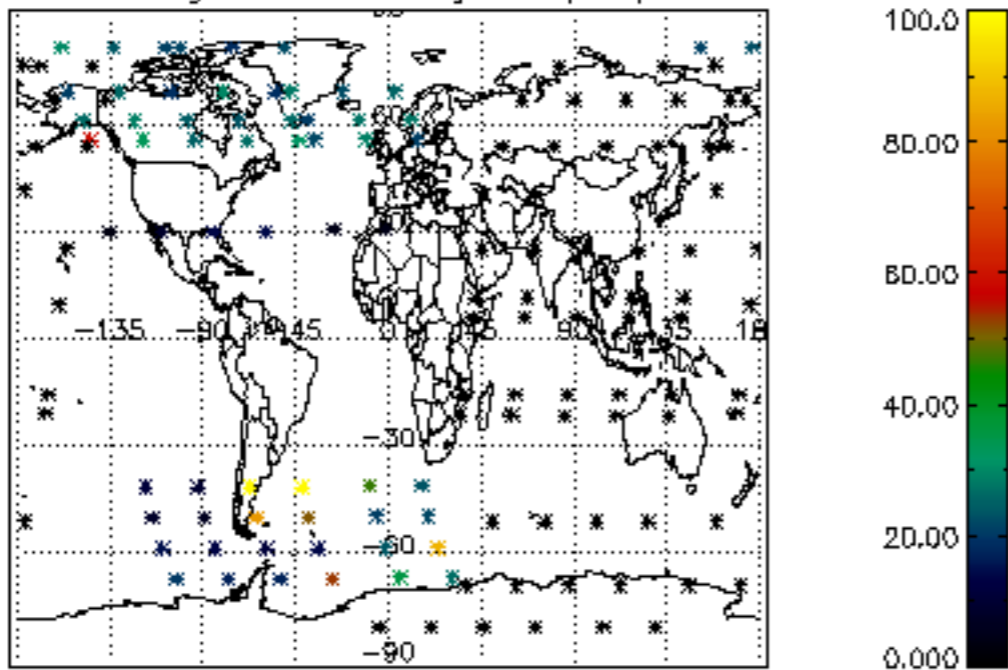




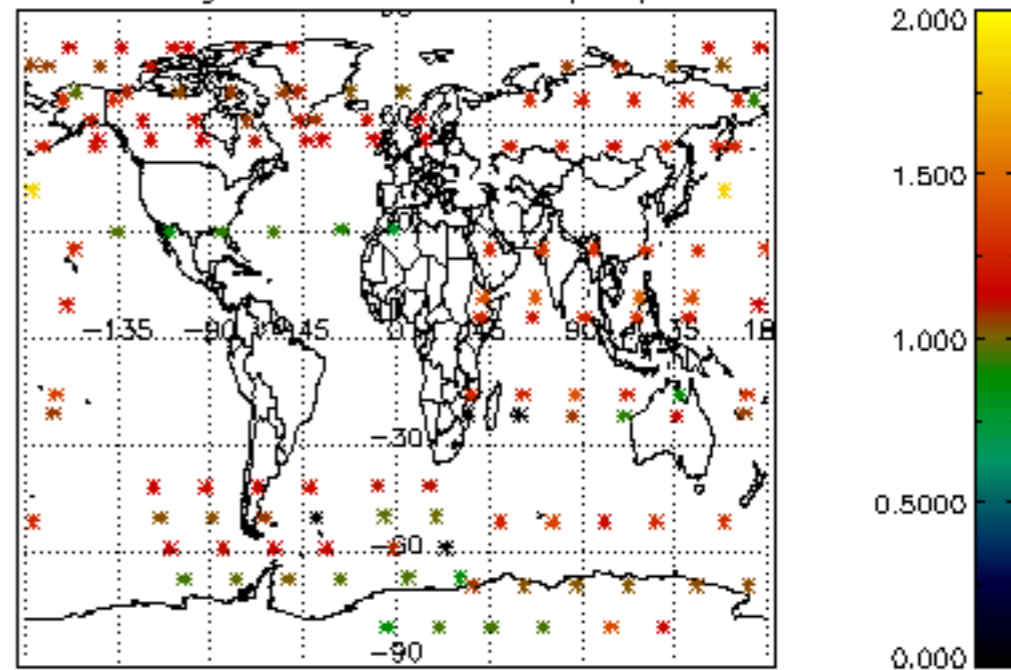




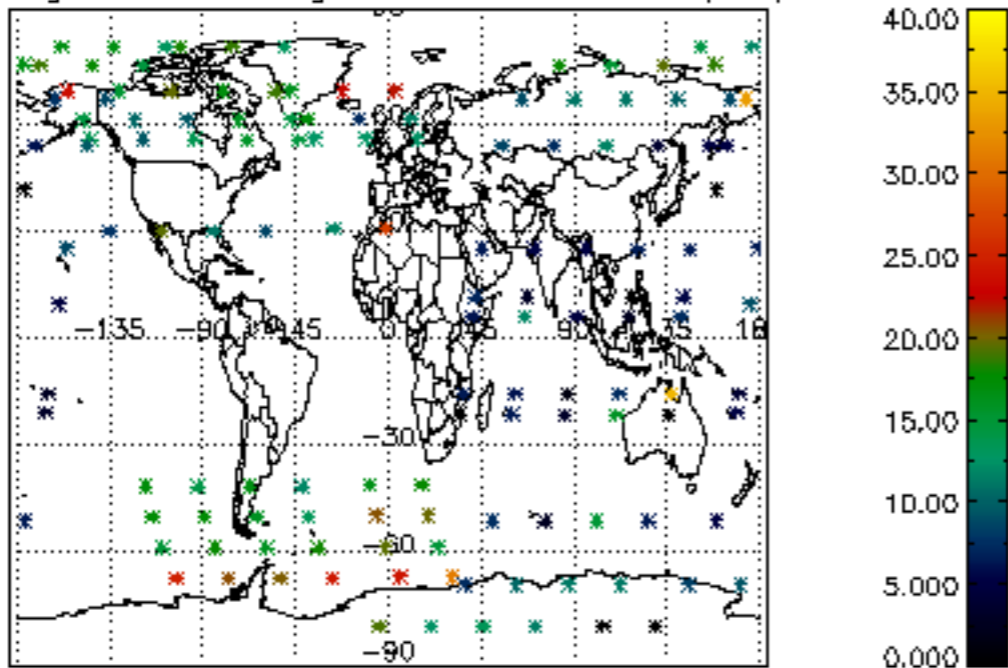
Percentage of cosmic ray hits per profile



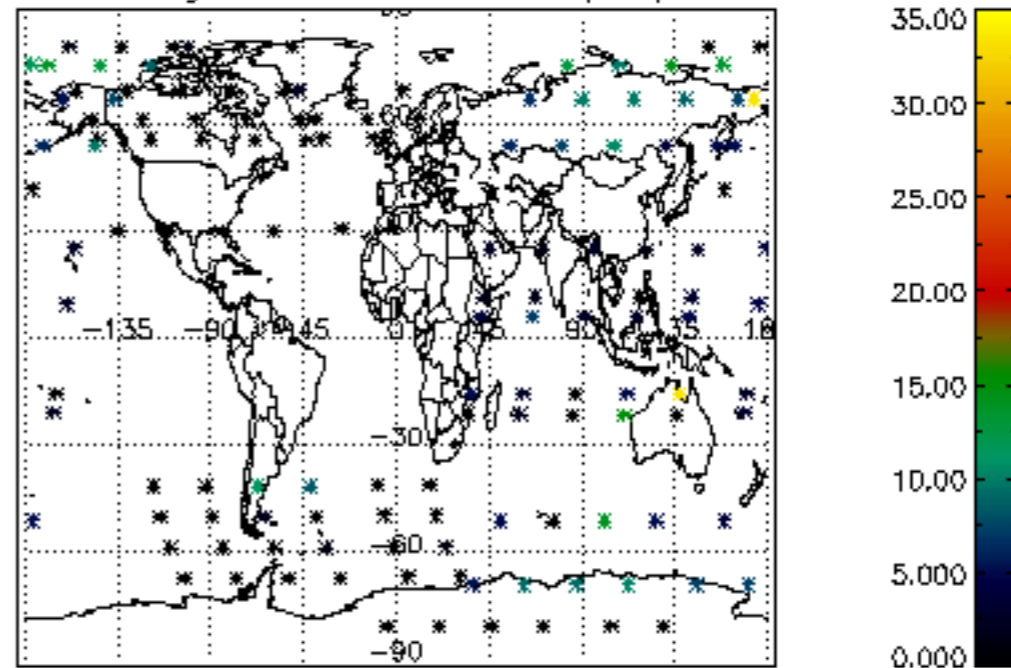
Percentage of datation errors per profile



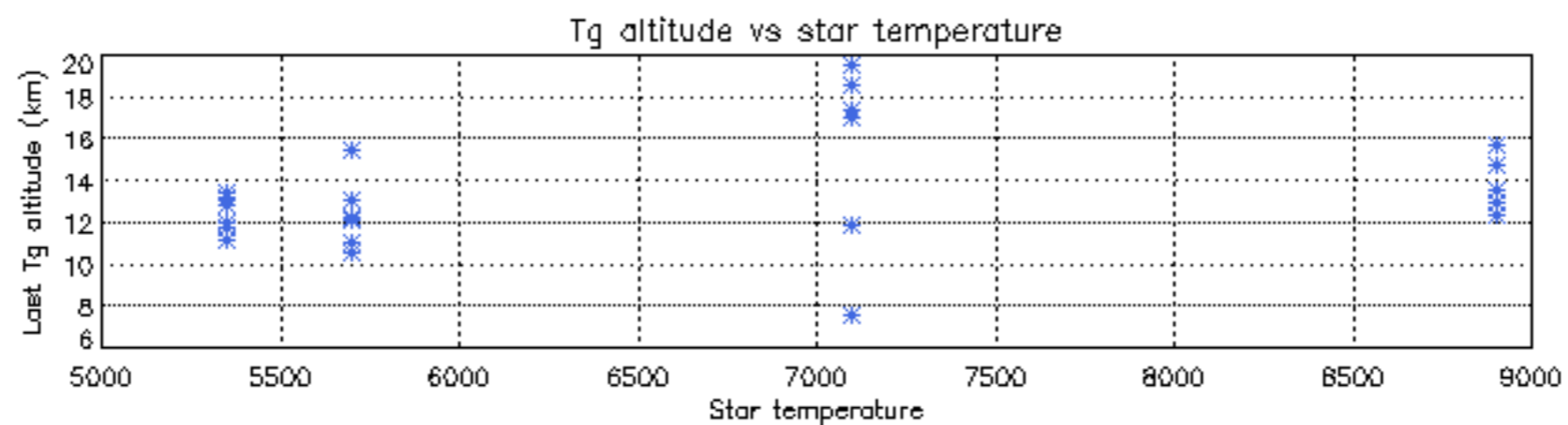
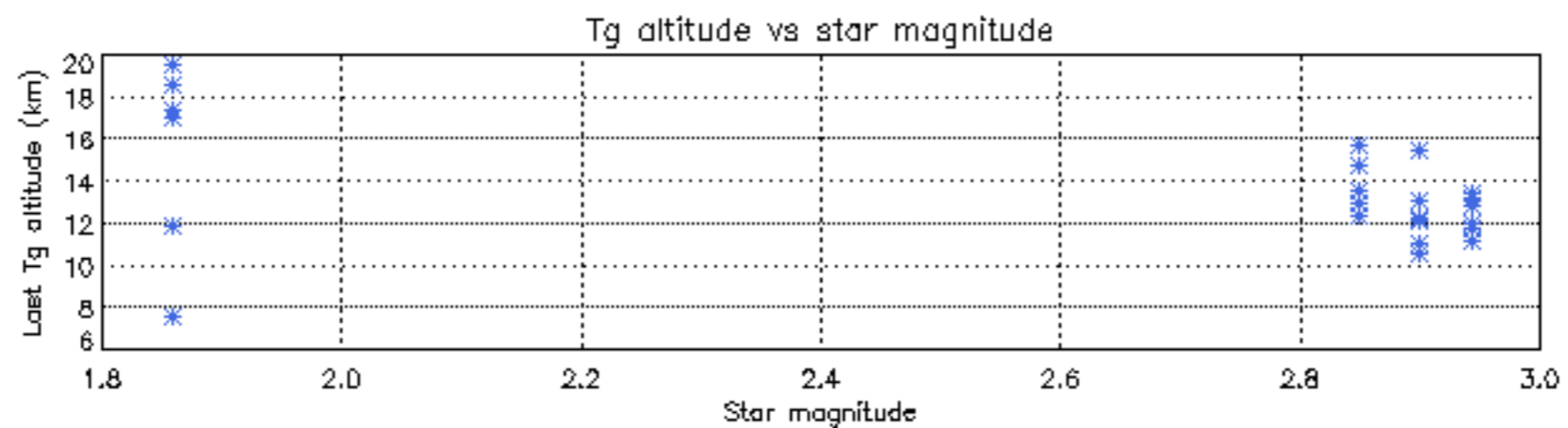
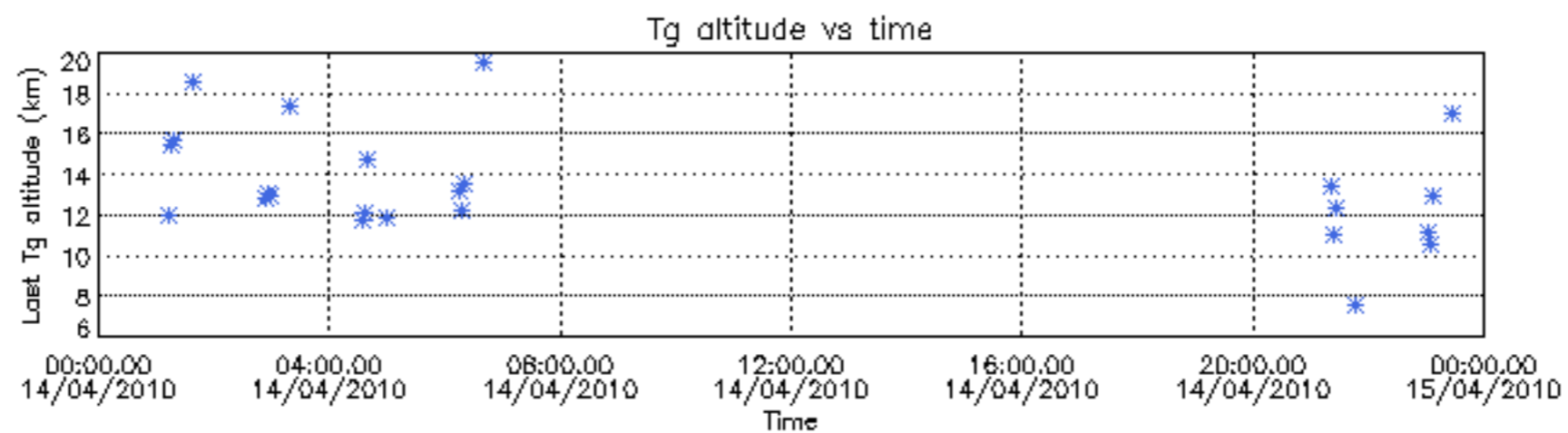
Percentage of star falling outside central band per profile



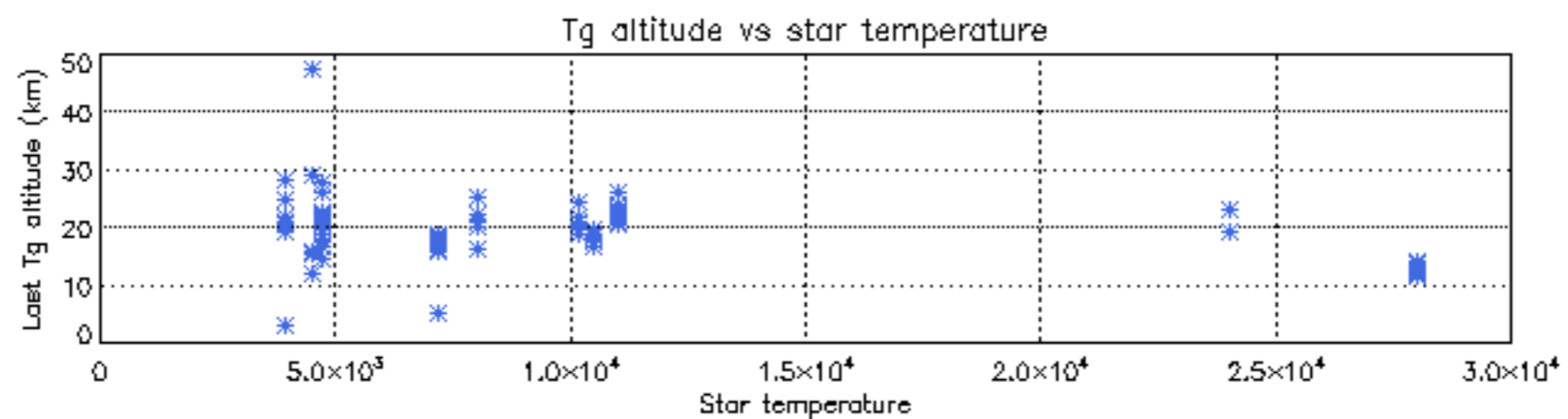
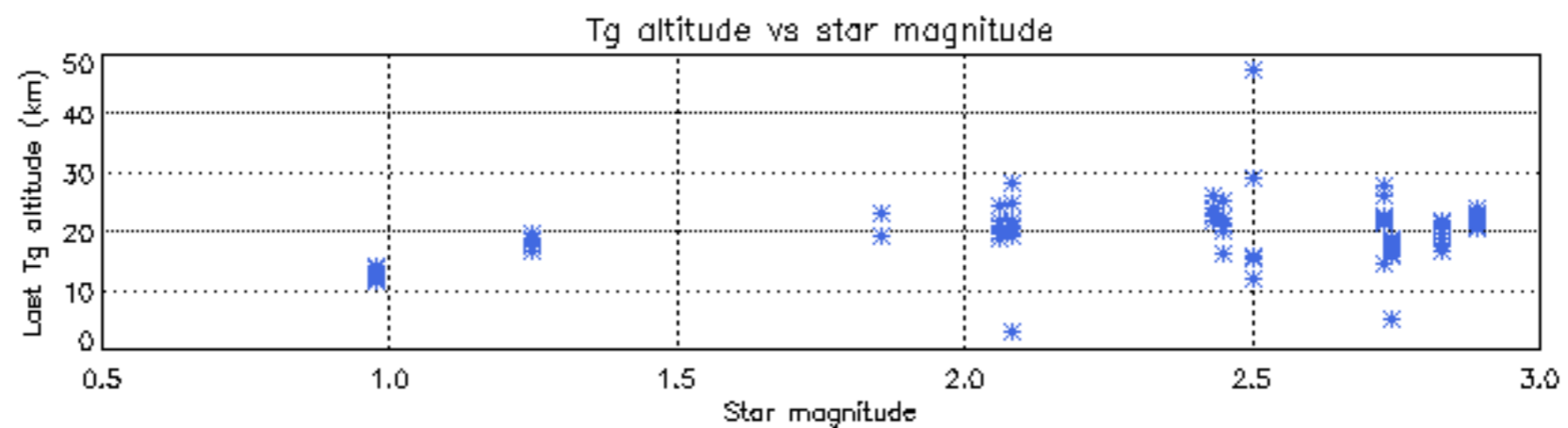
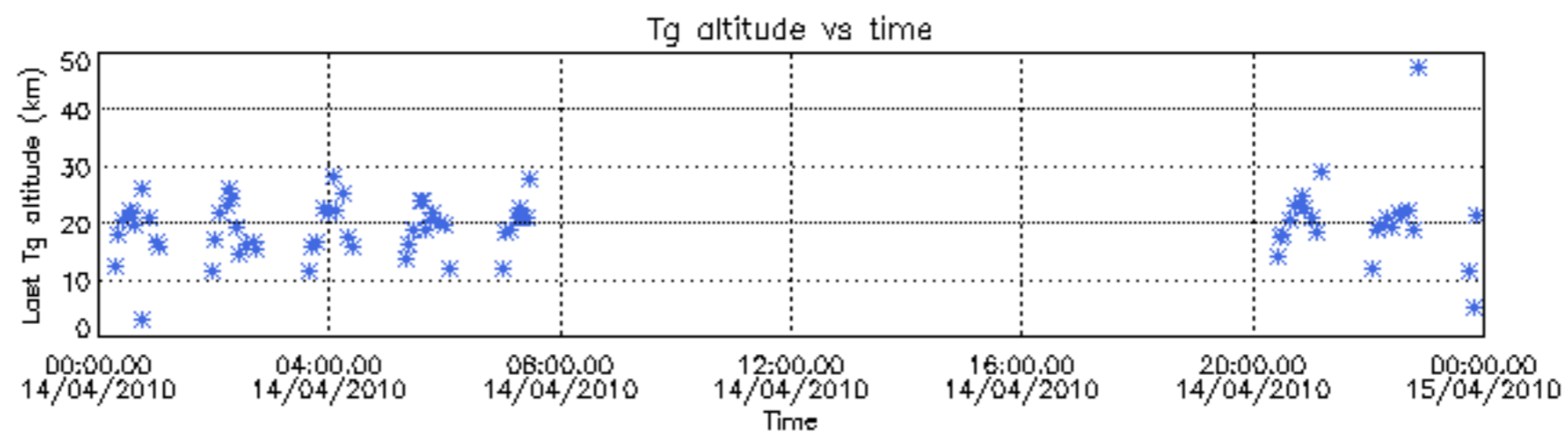
Percentage of saturation errors per profile



Tangent altitude at which the star is lost

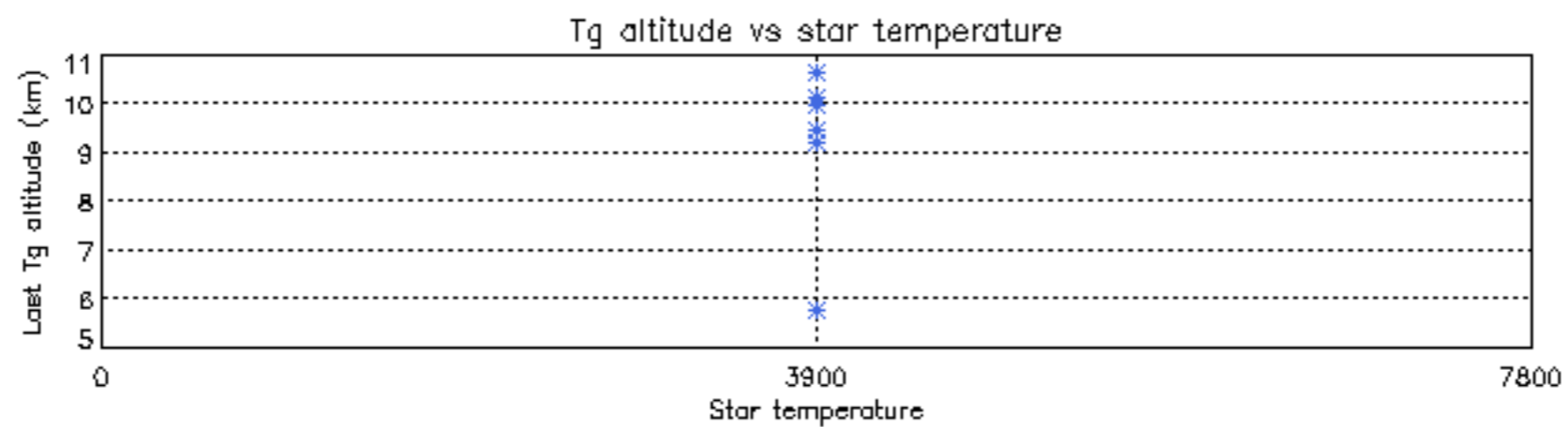
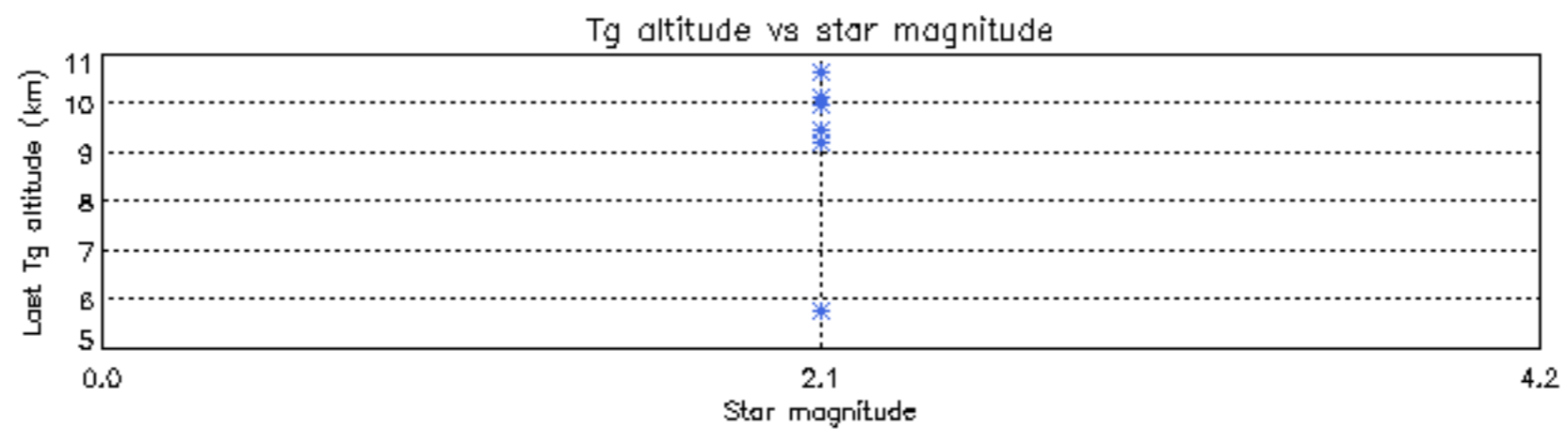
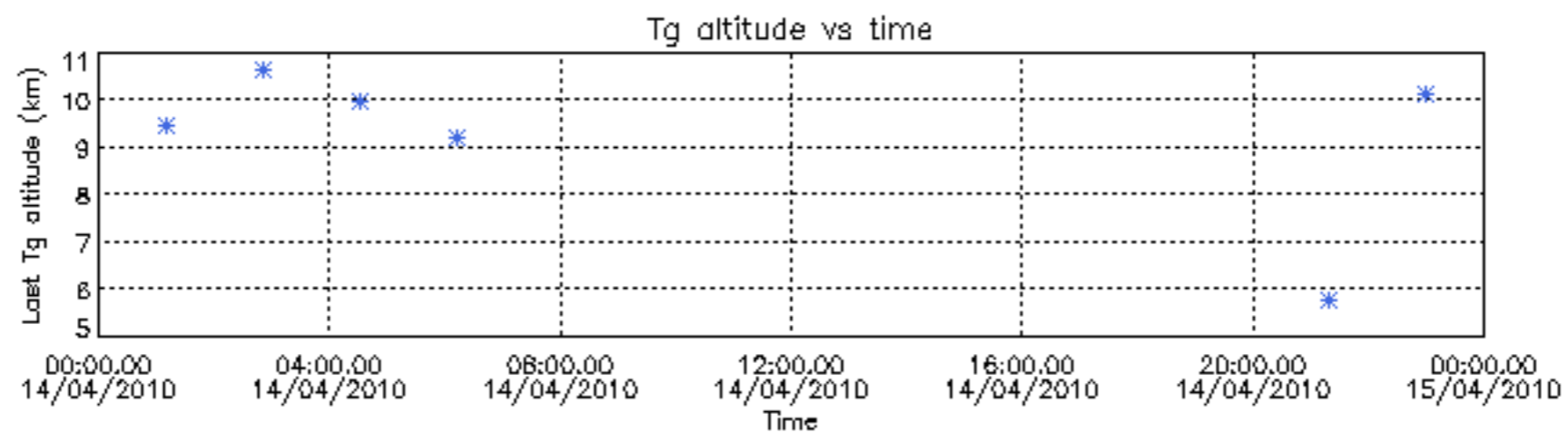


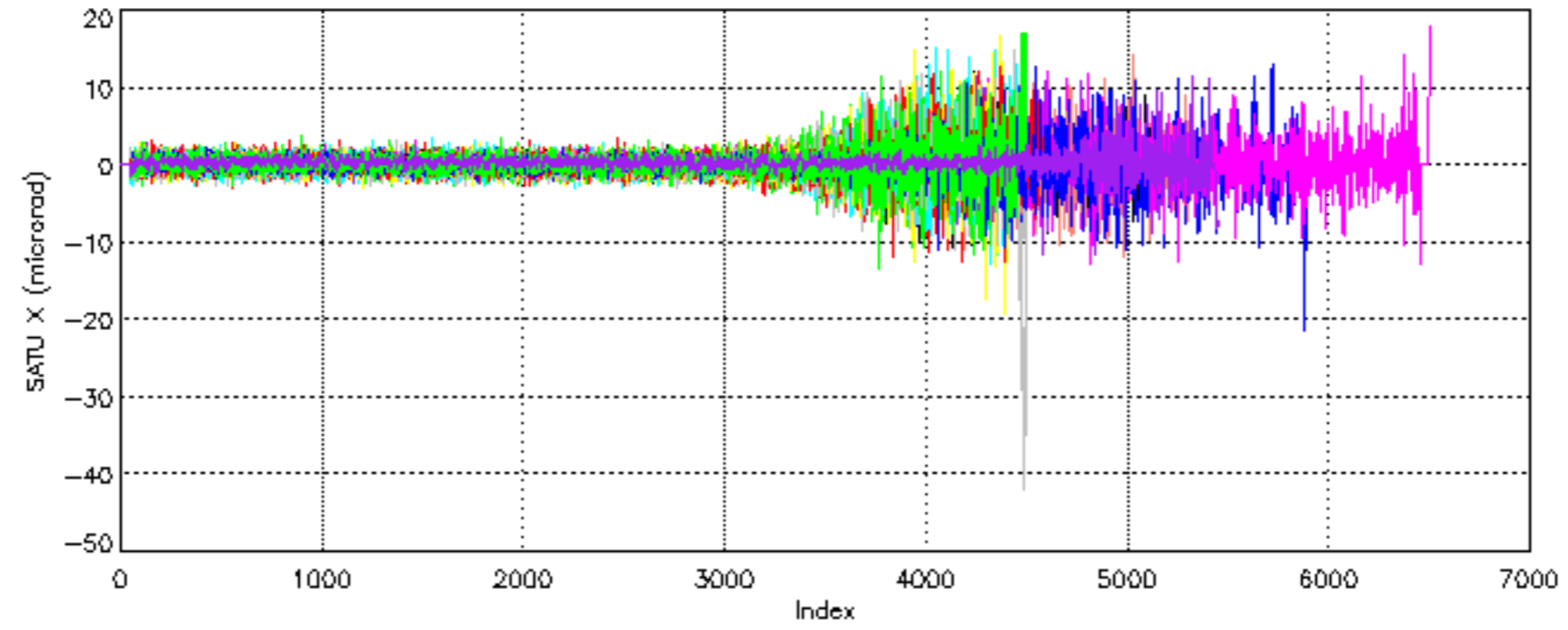
Tangent altitude at which the star is lost

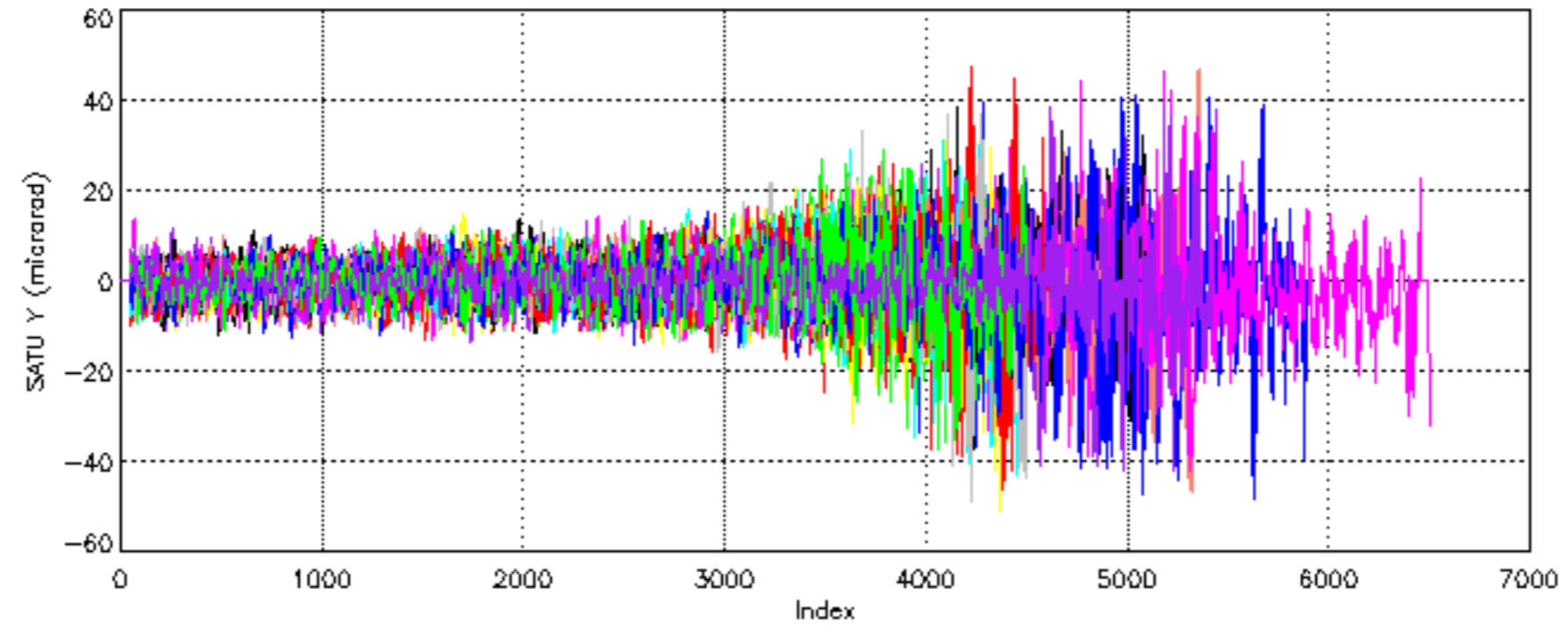


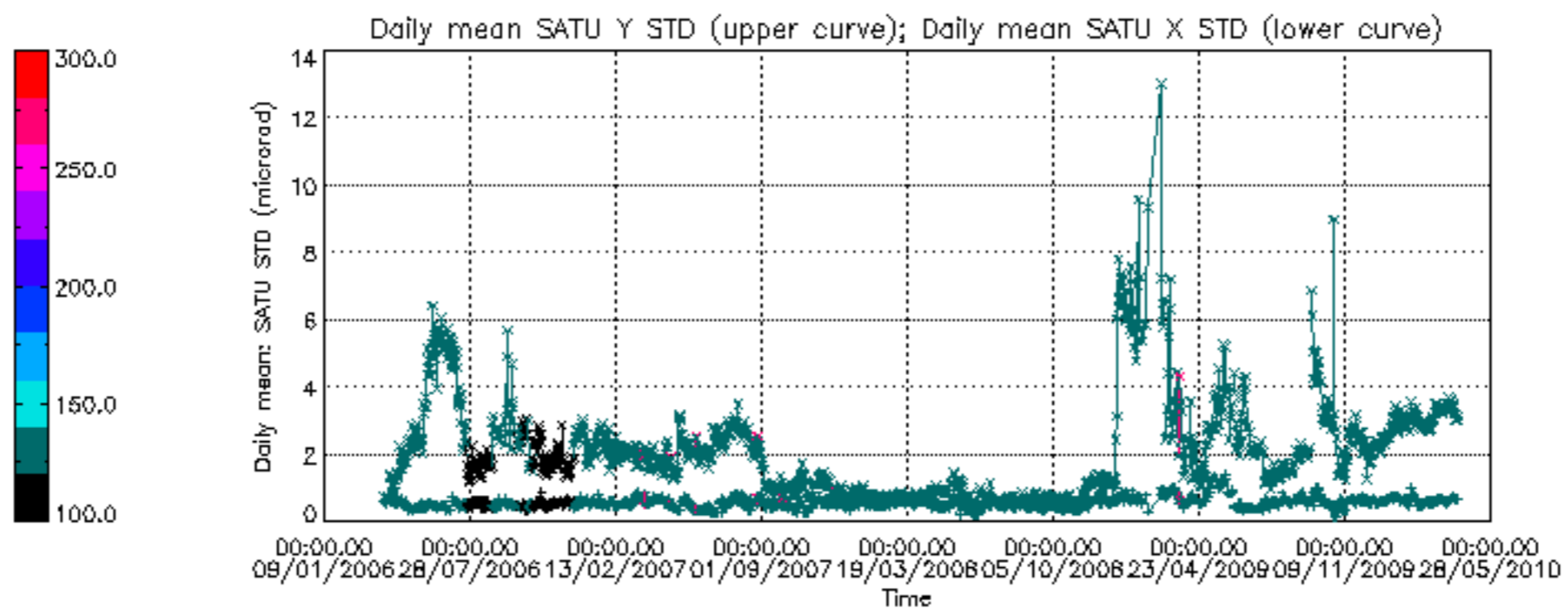


Tangent altitude at which the star is lost











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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  
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 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  
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 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  
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 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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 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  
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 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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3; 1462.1; 01-APR-2010 20:28:46; Dark ; 45.0; 106; 9Bet Crv ; 2.65; 5600;occ; 90; 0;42281
4; 1579.6; 01-APR-2010 20:30:43; Dark ; 41.5; 100; 4Gam Crv ; 2.58; 13100;occ; 83; 0;42281
5; 1688.0; 01-APR-2010 20:32:31; Dark ; 54.0; 15; 67Alp Vir ; 0.98; 28000;occ; 108; 0;42281
6; 1882.1; 01-APR-2010 20:35:46; Bright; 44.0; 121; 29Gam Vir ; 2.74; 7200;occ; 88; 0;42281
7; 2159.5; 01-APR-2010 20:40:23; Bright; 38.5; 62; 94Bet Leo ; 2.14; 9700;occ; 77; 0;42281
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11; 3334.8; 01-APR-2010 20:59:58; Bright; 36.5; 60; 7Bet UMi ; 2.08; 3950;occ; 73; 0;42281
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4; 306.4; 01-APR-2010 21:50:06; Dark ; 50.5; 40; The Sco ; 1.86; 7100;occ; 101; 0;42282
5; 521.6; 01-APR-2010 21:53:41; Dark ; 39.5; 134; Bet TrA ; 2.81; 6600;occ; 79; 0;42282
6; 679.4; 01-APR-2010 21:56:19; Dark ; 53.0; 4; Alp1Cen ; -0.01; 5800;occ; 106; 0;42282
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8; 942.1; 01-APR-2010 22:00:41; Dark ; 48.0; 81; Eta Cen ; 2.36; 28000;occ; 96; 0;42282
9; 1105.1; 01-APR-2010 22:03:24; Dark ; 53.0; 54; 5The Cen ; 2.06; 4500;occ; 106; 0;42282
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13; 1881.8; 01-APR-2010 22:16:21; Bright; 44.0; 121; 29Gam Vir ; 2.74; 7200;occ; 88; 0;42282
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18; 3334.4; 01-APR-2010 22:40:34; Bright; 37.0; 60; 7Bet UMi ; 2.08; 3950;occ; 74; 0;42282
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3; 388.4; 07-APR-2010 00:15:10; Dark ; 53.0; 40; The Sco ; 1.86; 7100;occ; 106; 0;42355  
4; 558.1; 07-APR-2010 00:18:00; Dark ; 40.0; 134; Bet TrA ; 2.81; 6600;occ; 80; 0;42355  
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11; 1876.0; 07-APR-2010 00:39:58; Bright; 43.0; 121; 29Gam Vir ; 2.74; 7200;occ; 86; 0;42355  
12; 2155.2; 07-APR-2010 00:44:37; Bright; 37.0; 62; 94Bet Leo ; 2.14; 9700;occ; 74; 0;42355  
13; 2635.0; 07-APR-2010 00:52:36; Bright; 41.5; 152; 12Alp2CVn ; 2.89; 11000;occ; 83; 0;42355  
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11; 1687.7; 07-APR-2010 02:17:25; Bright; 52.5; 15; 67Alp Vir ; 0.98; 28000;occ; 105; 0;42356  
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23; 7497.9; 11-APR-2010 13:31:58; Dark ; 46.0; 169; 46Gam Hya ; 2.99; 4700;occ; 92; 0;42420  
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9; 2904.0; 11-APR-2010 17:17:12; Bright; 39.5; 32; 77Eps UMa ; 1.76; 11000;occ; 79; 0;42422  
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19; 5171.1; 11-APR-2010 19:35:35; Dark ; 47.5; 154; 22Bet Aqr ; 2.90; 5700;occ; 95; 0;42423  
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 5; 1699.4; 22-APR-2010 19:32:19; Bright; 42.5; 15; 67Alp Vir ; 0.98; 28000;occ; 85; 0;42581
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 4; 637.2; 23-APR-2010 01:57:00; Dark ; 54.5; 40; The Sco ; 1.86; 7100;occ; 109; 0;42585  
 5; 996.3; 23-APR-2010 02:02:59; Dark ; 43.0; 78; Alp Lup ; 2.30; 28000;occ; 86; 0;42585  
 6; 1090.7; 23-APR-2010 02:04:34; Dark ; 43.0; 81; Eta Cen ; 2.36; 28000;occ; 86; 0;42585  
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 8; 1578.6; 23-APR-2010 02:12:41; Bright; 49.0; 122; 9Alp2Lib ; 2.75; 9700;occ; 98; 0;42585  
 9; 1699.9; 23-APR-2010 02:14:43; Bright; 40.5; 15; 67Alp Vir ; 0.98; 28000;occ; 81; 0;42585  
 10; 2093.4; 23-APR-2010 02:21:16; Bright; 37.5; 138; 47Eps Vir ; 2.83; 4700;occ; 75; 0;42585  
 11; 2261.8; 23-APR-2010 02:24:05; Bright; 44.0; 111; 8Eta Boo ; 2.68; 6000;occ; 88; 0;42585  
 12; 2568.2; 23-APR-2010 02:29:11; Bright; 36.0; 152; 12Alp2CVn ; 2.89; 11000;occ; 72; 0;42585  
 13; 2701.0; 23-APR-2010 02:31:24; Bright; 45.0; 180; 27Gam Boo ; 3.04; 8000;occ; 90; 0;42585

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3; -1294.8; 23-APR-2010 03:05:24; Dark ; 40.5; 90; 54Alp Peg ; 2.49; 11000;occ; 81; 0;42585
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5; -936.3; 23-APR-2010 03:11:22; Dark ; 47.5; 162; 34Alp Aqr ; 2.94; 5350;occ; 95; 0;42585
6; -753.4; 23-APR-2010 03:14:25; Dark ; 52.0; 154; 22Bet Aqr ; 2.90; 5700;occ; 104; 0;42585
7; -593.0; 23-APR-2010 03:17:06; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;42585
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9; 109.6; 23-APR-2010 03:28:48; Dark ; 39.5; 45; Alp Pav ; 1.94; 26000;occ; 79; 0;42586
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11; 996.7; 23-APR-2010 03:43:35; Dark ; 42.5; 78; Alp Lup ; 2.30; 28000;occ; 85; 0;42586
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13; 1224.2; 23-APR-2010 03:47:23; Dark ; 46.5; 54; 5The Cen ; 2.06; 4500;occ; 93; 0;42586
14; 1578.1; 23-APR-2010 03:53:17; Bright; 52.0; 122; 9Alp2Lib ; 2.75; 9700;occ; 104; 0;42586
15; 1699.5; 23-APR-2010 03:55:18; Bright; 40.5; 15; 67Alp Vir ; 0.98; 28000;occ; 81; 0;42586
16; 2093.4; 23-APR-2010 04:01:52; Bright; 37.5; 138; 47Eps Vir ; 2.83; 4700;occ; 75; 0;42586
17; 2261.6; 23-APR-2010 04:04:40; Bright; 41.0; 111; 8Eta Boo ; 2.68; 6000;occ; 82; 0;42586
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20; 2804.4; 23-APR-2010 04:13:43; Bright; 38.0; 39; 85Eta UMa ; 1.85; 24000;occ; 76; 0;42586
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5; -935.5; 23-APR-2010 04:51:59; Dark ; 50.5; 162; 34Alp Aqr ; 2.94; 5350;occ; 101; 0;42586
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9; 110.2; 23-APR-2010 05:09:25; Dark ; 40.5; 45; Alp Pav ; 1.94; 26000;occ; 81; 0;42587
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17; 2261.2; 23-APR-2010 05:45:16; Bright; 43.5; 111; 8Eta Boo ; 2.68; 6000;occ; 87; 0;42587
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5; -935.2; 23-APR-2010 06:32:36; Dark ; 46.0; 162; 34Alp Aqr ; 2.94; 5350;occ; 92; 0;42587
6; -751.5; 23-APR-2010 06:35:39; Dark ; 53.0; 154; 22Bet Aqr ; 2.90; 5700;occ; 106; 0;42587
7; -591.3; 23-APR-2010 06:38:20; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;42587
8; -313.9; 23-APR-2010 06:42:57; Dark ; 40.5; 172; Gam Gru ; 3.00; 13100;occ; 81; 0;42587
9; 110.8; 23-APR-2010 06:50:02; Dark ; 39.5; 45; Alp Pav ; 1.94; 26000;occ; 79; 0;42588
10; 640.4; 23-APR-2010 06:58:51; Dark ; 63.5; 40; The Sco ; 1.86; 7100;occ; 127; 0;42588
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13; 1225.5; 23-APR-2010 07:08:36; Dark ; 44.5; 54; 5The Cen ; 2.06; 4500;occ; 89; 0;42588
14; 1578.6; 23-APR-2010 07:14:29; Bright; 48.0; 122; 9Alp2Lib ; 2.75; 9700;occ; 96; 0;42588
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3; 2261.3; 23-APR-2010 07:25:52; Bright; 43.0; 111; 8Eta Boo ; 2.68; 6000;occ; 86; 0;42588
4; 2567.6; 23-APR-2010 07:30:58; Bright; 37.0; 152; 12Alp2CVn ; 2.89; 11000;occ; 74; 0;42588
5; 2698.9; 23-APR-2010 07:33:10; Bright; 46.0; 180; 27Gam Boo ; 3.04; 8000;occ; 92; 0;42588

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8; 3857.9; 23-APR-2010 07:52:29; Bright; 40.0; 89; 5Alp Cep ; 2.45; 8000;occ; 80; 0;42588  
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16; 6147.3; 23-APR-2010 08:30:38; Dark ; 41.5; 45; Alp Pav ; 1.94; 26000;occ; 83; 0;42589  
17; 6677.2; 23-APR-2010 08:39:28; Dark ; 53.0; 40; The Sco ; 1.86; 7100;occ; 106; 0;42589  
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21; 7614.6; 23-APR-2010 08:55:05; Bright; 50.0; 122; 9Alp2Lib ; 2.75; 9700;occ; 100; 0;42589  
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13; 5446.4; 23-APR-2010 09:59:33; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;42589  
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17; 7034.4; 23-APR-2010 10:26:01; Dark ; 40.5; 78; Alp Lup ; 2.30; 28000;occ; 81; 0;42590  
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5; 2697.8; 23-APR-2010 10:54:20; Bright; 45.0; 180; 27Gam Boo ; 3.04; 8000;occ; 90; 0;42590  
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13; 5286.9; 23-APR-2010 11:37:29; Dark ; 55.0; 154; 22Bet Aqr ; 2.90; 5700;occ; 110; 0;42590  
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17; 6679.1; 23-APR-2010 12:00:42; Dark ; 55.5; 40; The Sco ; 1.86; 7100;occ; 111; 0;42591  
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 18; 3848.4; 25-APR-2010 23:35:04; Bright; 41.5; 89; 5Alp Cep ; 2.45; 8000;occ; 83; 0;42626  
 19; 4496.5; 25-APR-2010 23:45:52; Bright; 40.0; 164; 44Eta Peg ; 2.95; 5400;occ; 80; 0;42626  
 20; 4751.9; 25-APR-2010 23:50:08; Dark ; 44.5; 90; 54Alp Peg ; 2.49; 11000;occ; 89; 0;42626  
 21; 4977.1; 25-APR-2010 23:53:53; Dark ; 59.5; 61; 8Eps Peg ; 2.10; 3900;occ; 119; 0;42626  
 22; 5124.2; 25-APR-2010 23:56:20; Dark ; 52.0; 162; 34Alp Aqr ; 2.94; 5350;occ; 104; 0;42626  
 23; 5319.8; 25-APR-2010 23:59:36; Dark ; 56.0; 154; 22Bet Aqr ; 2.90; 5700;occ; 112; 0;42626

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 4; 134.0; 26-APR-2010 00:13:46; Dark ; 41.5; 45; Alp Pav ; 1.94; 26000;occ; 83; 0;42627  
 5; 587.9; 26-APR-2010 00:21:20; Dark ; 47.5; 141; Bet Ara ; 2.84; 4600;occ; 95; 0;42627  
 6; 678.5; 26-APR-2010 00:22:50; Dark ; 65.0; 40; The Sco ; 1.86; 7100;occ; 130; 0;42627  
 7; 1012.1; 26-APR-2010 00:28:24; Dark ; 40.5; 78; Alp Lup ; 2.30; 28000;occ; 81; 0;42627  
 8; 1105.7; 26-APR-2010 00:29:57; Dark ; 42.5; 81; Eta Cen ; 2.36; 28000;occ; 85; 0;42627  
 9; 1236.0; 26-APR-2010 00:32:08; Dark ; 43.0; 54; 5The Cen ; 2.06; 4500;occ; 86; 0;42627  
 10; 1582.8; 26-APR-2010 00:37:54; Bright; 50.0; 122; 9Alp2Lib ; 2.75; 9700;occ; 100; 0;42627  
 11; 1703.4; 26-APR-2010 00:39:55; Bright; 41.0; 15; 67Alp Vir ; 0.98; 28000;occ; 82; 0;42627  
 12; 2092.5; 26-APR-2010 00:46:24; Bright; 36.5; 138; 47Eps Vir ; 2.83; 4700;occ; 73; 0;42627  
 13; 2249.3; 26-APR-2010 00:49:01; Bright; 43.0; 111; 8Eta Boo ; 2.68; 6000;occ; 86; 0;42627  
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 15; 2674.5; 26-APR-2010 00:56:06; Bright; 42.5; 180; 27Gam Boo ; 3.04; 8000;occ; 85; 0;42627  
 16; 2790.4; 26-APR-2010 00:58:02; Bright; 37.0; 39; 85Eta UMa ; 1.85; 24000;occ; 74; 0;42627  
 17; 3234.8; 26-APR-2010 01:05:26; Bright; 37.5; 60; 7Bet UMi ; 2.08; 3950;occ; 75; 0;42627  
 18; 3848.2; 26-APR-2010 01:15:40; Bright; 42.5; 89; 5Alp Cep ; 2.45; 8000;occ; 85; 0;42627  
 19; 4496.7; 26-APR-2010 01:26:28; Bright; 58.0; 164; 44Eta Peg ; 2.95; 5400;occ; 116; 0;42627  
 20; 4751.7; 26-APR-2010 01:30:43; Dark ; 43.0; 90; 54Alp Peg ; 2.49; 11000;occ; 86; 0;42627  
 21; 4977.8; 26-APR-2010 01:34:29; Dark ; 60.5; 61; 8Eps Peg ; 2.10; 3900;occ; 121; 0;42627  
 22; 5125.0; 26-APR-2010 01:36:57; Dark ; 49.0; 162; 34Alp Aqr ; 2.94; 5350;occ; 98; 0;42627

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 3; 134.7; 26-APR-2010 01:54:22; Dark ; 41.0; 45; Alp Pav ; 1.94; 26000;occ; 82; 0;42628  
 4; 588.5; 26-APR-2010 02:01:56; Dark ; 49.5; 141; Bet Ara ; 2.84; 4600;occ; 99; 0;42628  
 5; 679.7; 26-APR-2010 02:03:27; Dark ; 53.0; 40; The Sco ; 1.86; 7100;occ; 106; 0;42628  
 6; 1012.5; 26-APR-2010 02:09:00; Dark ; 42.5; 78; Alp Lup ; 2.30; 28000;occ; 85; 0;42628  
 7; 1106.0; 26-APR-2010 02:10:34; Dark ; 44.5; 81; Eta Cen ; 2.36; 28000;occ; 89; 0;42628  
 8; 1236.4; 26-APR-2010 02:12:44; Dark ; 44.5; 54; 5The Cen ; 2.06; 4500;occ; 89; 0;42628  
 9; 1582.8; 26-APR-2010 02:18:30; Bright; 49.0; 122; 9Alp2Lib ; 2.75; 9700;occ; 98; 0;42628  
 10; 1703.7; 26-APR-2010 02:20:31; Bright; 39.5; 15; 67Alp Vir ; 0.98; 28000;occ; 79; 0;42628  
 11; 2092.7; 26-APR-2010 02:27:00; Bright; 36.0; 138; 47Eps Vir ; 2.83; 4700;occ; 72; 0;42628  
 12; 2249.3; 26-APR-2010 02:29:37; Bright; 40.5; 111; 8Eta Boo ; 2.68; 6000;occ; 81; 0;42628  
 13; 2563.1; 26-APR-2010 02:34:51; Bright; 35.0; 152; 12Alp2CVn ; 2.89; 11000;occ; 70; 0;42628  
 14; 2674.0; 26-APR-2010 02:36:41; Bright; 43.0; 180; 27Gam Boo ; 3.04; 8000;occ; 86; 0;42628  
 15; 2790.2; 26-APR-2010 02:38:38; Bright; 39.0; 39; 85Eta UMa ; 1.85; 24000;occ; 78; 0;42628  
 16; 3234.7; 26-APR-2010 02:46:02; Bright; 38.0; 60; 7Bet UMi ; 2.08; 3950;occ; 76; 0;42628

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 3; -1283.4; 26-APR-2010 03:11:20; Dark ; 44.0; 90; 54Alp Peg ; 2.49; 11000;occ; 88; 0;42628  
 4; -1057.4; 26-APR-2010 03:15:06; Dark ; 57.0; 61; 8Eps Peg ; 2.10; 3900;occ; 114; 0;42628

5; -910.3; 26-APR-2010 03:17:33; Dark ; 50.5; 162; 34Alp Aqr ; 2.94; 5350;occ; 101; 0;42628  
6; -713.9; 26-APR-2010 03:20:49; Dark ; 55.0; 154; 22Bet Aqr ; 2.90; 5700;occ; 110; 0;42628  
7; -553.9; 26-APR-2010 03:23:29; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;42628  
8; -288.9; 26-APR-2010 03:27:55; Dark ; 41.0; 172; Gam Gru ; 3.00; 13100;occ; 82; 0;42628  
9; 135.4; 26-APR-2010 03:34:59; Dark ; 41.5; 45; Alp Pav ; 1.94; 26000;occ; 83; 0;42629  
10; 589.3; 26-APR-2010 03:42:33; Dark ; 45.5; 141; Bet Ara ; 2.84; 4600;occ; 91; 0;42629  
11; 680.5; 26-APR-2010 03:44:04; Dark ; 53.0; 40; The Sco ; 1.86; 7100;occ; 106; 0;42629  
12; 1012.8; 26-APR-2010 03:49:36; Dark ; 38.5; 78; Alp Lup ; 2.30; 28000;occ; 77; 0;42629  
13; 1106.5; 26-APR-2010 03:51:10; Dark ; 43.5; 81; Eta Cen ; 2.36; 28000;occ; 87; 0;42629  
14; 1237.2; 26-APR-2010 03:53:21; Dark ; 45.0; 54; 5The Cen ; 2.06; 4500;occ; 90; 0;42629  
15; 1582.7; 26-APR-2010 03:59:06; Bright; 49.5; 122; 9Alp2Lib ; 2.75; 9700;occ; 99; 0;42629  
16; 1704.0; 26-APR-2010 04:01:07; Bright; 40.5; 15; 67Alp Vir ; 0.98; 28000;occ; 81; 0;42629  
17; 2092.9; 26-APR-2010 04:07:36; Bright; 35.5; 138; 47Eps Vir ; 2.83; 4700;occ; 71; 0;42629  
18; 2248.8; 26-APR-2010 04:10:12; Bright; 41.0; 111; 8Eta Boo ; 2.68; 6000;occ; 82; 0;42629  
19; 2562.9; 26-APR-2010 04:15:26; Bright; 36.5; 152; 12Alp2CVn ; 2.89; 11000;occ; 73; 0;42629  
20; 2673.6; 26-APR-2010 04:17:17; Bright; 43.5; 180; 27Gam Boo ; 3.04; 8000;occ; 87; 0;42629  
21; 2790.0; 26-APR-2010 04:19:13; Bright; 39.0; 39; 85Eta UMa ; 1.85; 24000;occ; 78; 0;42629  
22; 3234.8; 26-APR-2010 04:26:38; Bright; 40.0; 60; 7Bet UMi ; 2.08; 3950;occ; 80; 0;42629

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2; -1539.1; 26-APR-2010 04:47:40; Bright; 46.5; 164; 44Eta Peg ; 2.95; 5400;occ; 93; 0;42629  
3; -1283.4; 26-APR-2010 04:51:56; Dark ; 45.0; 90; 54Alp Peg ; 2.49; 11000;occ; 90; 0;42629  
4; -1057.0; 26-APR-2010 04:55:42; Dark ; 57.5; 61; 8Eps Peg ; 2.10; 3900;occ; 115; 0;42629  
5; -909.6; 26-APR-2010 04:58:10; Dark ; 50.5; 162; 34Alp Aqr ; 2.94; 5350;occ; 101; 0;42629  
6; -713.1; 26-APR-2010 05:01:26; Dark ; 57.0; 154; 22Bet Aqr ; 2.90; 5700;occ; 114; 0;42629  
7; -553.0; 26-APR-2010 05:04:06; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;42629  
8; -288.4; 26-APR-2010 05:08:31; Dark ; 43.5; 172; Gam Gru ; 3.00; 13100;occ; 87; 0;42629  
9; 136.0; 26-APR-2010 05:15:35; Dark ; 42.0; 45; Alp Pav ; 1.94; 26000;occ; 84; 0;42630  
10; 590.3; 26-APR-2010 05:23:10; Dark ; 43.5; 141; Bet Ara ; 2.84; 4600;occ; 87; 0;42630  
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12; 1013.1; 26-APR-2010 05:30:13; Dark ; 43.0; 78; Alp Lup ; 2.30; 28000;occ; 86; 0;42630  
13; 1106.6; 26-APR-2010 05:31:46; Dark ; 38.5; 81; Eta Cen ; 2.36; 28000;occ; 77; 0;42630  
14; 1237.1; 26-APR-2010 05:33:57; Dark ; 46.0; 54; 5The Cen ; 2.06; 4500;occ; 92; 0;42630  
15; 1582.8; 26-APR-2010 05:39:42; Bright; 50.5; 122; 9Alp2Lib ; 2.75; 9700;occ; 101; 0;42630  
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17; 2093.0; 26-APR-2010 05:48:12; Bright; 36.0; 138; 47Eps Vir ; 2.83; 4700;occ; 72; 0;42630  
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19; 2563.1; 26-APR-2010 05:56:02; Bright; 37.5; 152; 12Alp2CVn ; 2.89; 11000;occ; 75; 0;42630  
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21; 2789.3; 26-APR-2010 05:59:49; Bright; 42.0; 39; 85Eta UMa ; 1.85; 24000;occ; 84; 0;42630  
22; 3234.7; 26-APR-2010 06:07:14; Bright; 36.5; 60; 7Bet UMi ; 2.08; 3950;occ; 73; 0;42630

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3; -1282.8; 26-APR-2010 06:32:33; Dark ; 43.0; 90; 54Alp Peg ; 2.49; 11000;occ; 86; 0;42630  
4; -1056.2; 26-APR-2010 06:36:19; Dark ; 55.0; 61; 8Eps Peg ; 2.10; 3900;occ; 110; 0;42630  
5; -908.7; 26-APR-2010 06:38:47; Dark ; 50.5; 162; 34Alp Aqr ; 2.94; 5350;occ; 101; 0;42630  
6; -711.8; 26-APR-2010 06:42:04; Dark ; 54.5; 154; 22Bet Aqr ; 2.90; 5700;occ; 109; 0;42630  
7; -552.0; 26-APR-2010 06:44:43; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;42630  
8; -287.5; 26-APR-2010 06:49:08; Dark ; 42.5; 172; Gam Gru ; 3.00; 13100;occ; 85; 0;42630  
9; 136.5; 26-APR-2010 06:56:12; Dark ; 40.0; 45; Alp Pav ; 1.94; 26000;occ; 80; 0;42631  
10; 590.6; 26-APR-2010 07:03:46; Dark ; 44.0; 141; Bet Ara ; 2.84; 4600;occ; 88; 0;42631  
11; 682.4; 26-APR-2010 07:05:18; Dark ; 54.5; 40; The Sco ; 1.86; 7100;occ; 109; 0;42631  
12; 1013.4; 26-APR-2010 07:10:49; Dark ; 42.0; 78; Alp Lup ; 2.30; 28000;occ; 84; 0;42631  
13; 1107.2; 26-APR-2010 07:12:23; Dark ; 44.0; 81; Eta Cen ; 2.36; 28000;occ; 88; 0;42631  
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3; 2248.3; 26-APR-2010 07:31:24; Bright; 42.5; 111; 8Eta Boo ; 2.68; 6000;occ; 85; 0;42631  
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6; 2789.1; 26-APR-2010 07:40:25; Bright; 41.5; 39; 85Eta UMa ; 1.85; 24000;occ; 83; 0;42631  
7; 3234.3; 26-APR-2010 07:47:50; Bright; 39.0; 60; 7Bet UMi ; 2.08; 3950;occ; 78; 0;42631  
8; 3847.3; 26-APR-2010 07:58:03; Bright; 41.0; 89; 5Alp Cep ; 2.45; 8000;occ; 82; 0;42631  
9; 4497.7; 26-APR-2010 08:08:53; Bright; 58.0; 164; 44Eta Peg ; 2.95; 5400;occ; 116; 0;42631



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12; 5127.7; 26-APR-2010 08:19:23; Dark ; 50.0; 162; 34Alp Aqr ; 2.94; 5350;occ; 100; 0;42631
13; 5325.0; 26-APR-2010 08:22:40; Dark ; 57.5; 154; 22Bet Aqr ; 2.90; 5700;occ; 115; 0;42631
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10; 4981.3; 26-APR-2010 09:57:33; Dark ; 62.5; 61; 8Eps Peg ; 2.10; 3900;occ; 125; 0;42632
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13; 5485.8; 26-APR-2010 10:05:57; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;42632
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15; 6173.6; 26-APR-2010 10:17:25; Dark ; 42.0; 45; Alp Pav ; 1.94; 26000;occ; 84; 0;42633
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19; 7143.6; 26-APR-2010 10:33:35; Dark ; 39.5; 81; Eta Cen ; 2.36; 28000;occ; 79; 0;42633
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5; 2234.4; 30-APR-2010 17:08:54; Bright; 39.0; 111; 8Eta Boo ; 2.68; 6000;occ; 78; 0;42694
6; 2459.5; 30-APR-2010 17:12:39; Bright; 49.0; 83; ; 2.38; 11000;occ; 98; 0;42694
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8; 2771.9; 30-APR-2010 17:17:51; Bright; 39.5; 39; 85Eta UMa ; 1.85; 24000;occ; 79; 0;42694
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