

GOMOS Daily Report 06-APR-2011

Level 0 and Level 1 products

SUMMARY

[1. General Info](#)

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

[2.1 Level 0: products arrived in PCF during current month \(see template here\)](#)

[2.2 Level 0: plot of mission plan versus production during reporting period](#)

[2.3 Level 0: summary of missing occultations with respect to the plan](#)

[2.4 Level 1: products arrived in PCF during reporting period](#)

[3. Plot of Spectrometers and Photometers temperatures](#)

[4. Dark Charge monitoring](#)

[4.1 Products that did not use the Dark Sky Area observation for DC computation](#)

[4.2 Plot of Dark Charge](#)

[5. Demodulation correction and quality product information monitoring](#)

[5.1 Percentage of products with some flags set](#)

[5.2 Plot of quality information per product \(time dependant\)](#)

[5.3 Plot of quality information per product \(world map\)](#)

[6. Star tangent altitude lost](#)

[6.1 Statistics on star tangent altitude lost](#)

[6.2 Plot of star tangent altitude lost: DARK products](#)

[6.3 Plot of star tangent altitude lost: BRIGHT products](#)

[6.3 Plot of star tangent altitude lost: TWILIGHT products](#)

[7. Star Acquisition and Tracking Unit \(SATU\)](#)

[7.1 SATU plots \(dark limb\): 'X' and 'Y' axis](#)

[7.2 SATU Noise Equivalent Angle statistics](#)

[7.2.1 SATU NEA Statistics \(table\)](#)

[7.2.2 Daily SATU NEA STD \(dark limb\) - trend since 1st April 2006](#)

[8. Auxiliary Data Files used for the production reported in section 2.4](#)

[Level 2 products](#)

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	09APR2011 07:04:34
Data source version	GOMOS/5.01
Start time of products	06APR2011 00:14:05
Stop time of products	06APR2011 23:57:06
Store outputs in DB	Yes
Nb of level 1b prods	312
Nb of prods with errors	2

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

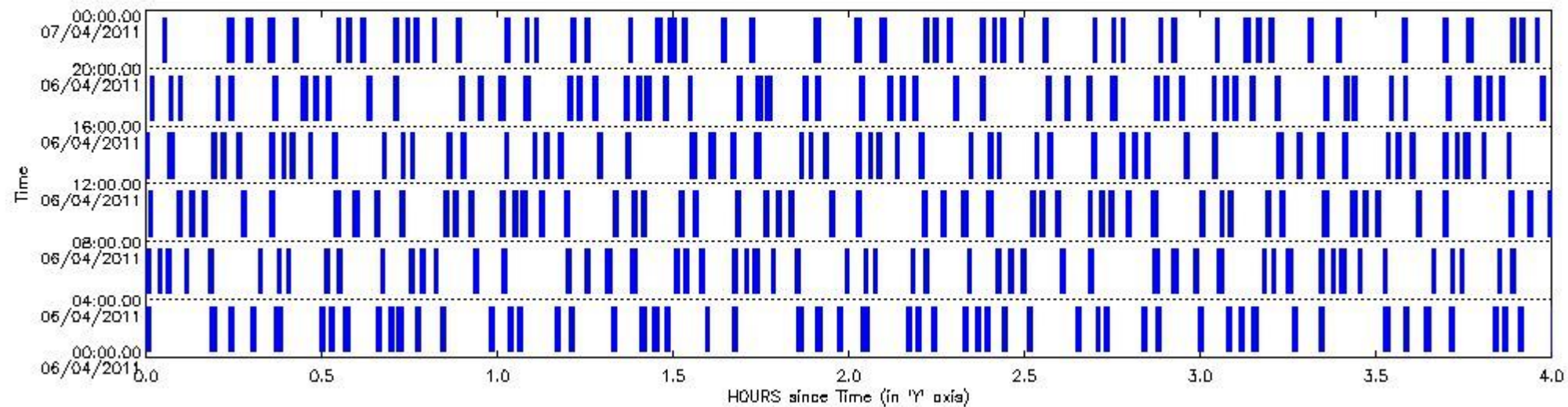
2.1 Level 0 products arrived in PCF (see template [here](#))

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

Red segments are missing products.

Blue segments are available products.

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



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

No missing products.

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_1PNPDE20110406_001405_000000563101_00145_47573_3019.N1	06-APR-2011 00:14:05	Dark	56.000	103	38Zet Sgr	2.6000	9700.0	112	47573	No
2	GOM_TRA_1PNPDE20110406_001742_000000573101_00146_47574_3020.N1	06-APR-2011 00:17:42	Dark	56.500	38	20Eps Sgr	1.8360	11000.	113	47574	No
3	GOM_TRA_1PNPDE20110406_002155_000000713101_00146_47574_3021.N1	06-APR-2011 00:21:55	Dark	71.000	25	35Lam Sco	1.6200	28000.	142	47574	No
4	GOM_TRA_1PNPDE20110406_002933_000000453101_00146_47574_3022.N1	06-APR-2011 00:29:33	Straylight	45.000	78	Alp Lup	2.3040	28000.	90	47574	No
5	GOM_TRA_1PNPDE20110406_003109_000000473101_00146_47574_3023.N1	06-APR-2011 00:31:09	Straylight	46.500	81	Eta Cen	2.3560	28000.	93	47574	No
6	GOM_TRA_1PNPDE20110406_003344_000000523101_00146_47574_3024.N1	06-APR-2011 00:33:44	Straylight	52.000	54	5The Cen	2.0550	4500.0	104	47574	No
7	GOM_TRA_1PNPDE20110406_003921_000000443101_00146_47574_3025.N1	06-APR-2011 00:39:21	Twilight_stray	44.000	106	9Bet Crv	2.6480	5600.0	88	47574	No
8	GOM_TRA_1PNPDE20110406_004125_000000433101_00146_47574_3026.N1	06-APR-2011 00:41:25	Twilight_stray	43.000	163	7Del Crv	2.9450	11000.	86	47574	No
9	GOM_TRA_1PNPDE20110406_004252_000000593101_00146_47574_3027.N1	06-APR-2011 00:42:52	Bright	58.500	15	67Alp Vir	0.97600	28000.	117	47574	No
10	GOM_TRA_1PNPDE20110406_004600_000000423101_00146_47574_3028.N1	06-APR-2011 00:46:00	Bright	42.000	121	29Gam Vir	2.7400	7200.0	84	47574	No
11	GOM_TRA_1PNPDE20110406_005014_000000463101_00146_47574_3029.N1	06-APR-2011 00:50:14	Bright	46.000	138	47Eps Vir	2.8280	4700.0	92	47574	No
12	GOM_TRA_1PNPDE20110406_005838_000000413101_00146_47574_3030.N1	06-APR-2011 00:58:38	Bright	41.000	152	12Alp2CVn	2.8900	11000.	82	47574	No

13	GOM_TRA_1PNPDE20110406_010153_000000393101_00146_47574_3031.N1	06-APR-2011 01:01:53	Bright	38.500	87	64Gam UMa	2.4330	11000.	77	47574	No
14	GOM_TRA_1PNPDE20110406_010327_000000423101_00146_47574_3032.N1	06-APR-2011 01:03:27	Bright	41.500	32	77Eps UMa	1.7630	11000.	83	47574	No
15	GOM_TRA_1PNPDE20110406_010951_000000413101_00146_47574_3033.N1	06-APR-2011 01:09:51	Bright	41.000	60	7Bet UMi	2.0810	3950.0	82	47574	No
16	GOM_TRA_1PNPDE20110406_011210_000000503101_00146_47574_3034.N1	06-APR-2011 01:12:10	Bright	49.500	119	14Eta Dra	2.7270	4700.0	99	47574	No
17	GOM_TRA_1PNPDE20110406_011932_000000383101_00146_47574_3035.N1	06-APR-2011 01:19:32	Bright	38.000	89	5Alp Cep	2.4510	8000.0	76	47574	No
18	GOM_TRA_1PNPDE20110406_012419_000000603101_00146_47574_3036.N1	06-APR-2011 01:24:19	Bright	60.000	144	18Del Cyg	2.8600	11000.	120	47574	No
19	GOM_TRA_1PNPDE20110406_012625_000000673101_00146_47574_3037.N1	06-APR-2011 01:26:25	Bright	67.000	66	37Gam Cyg	2.2080	5900.0	134	47574	No
20	GOM_TRA_1PNPDE20110406_012836_000000483101_00146_47574_3038.N1	06-APR-2011 01:28:36	Bright	47.500	92	53Eps Cyg	2.5000	4500.0	95	47574	No
21	GOM_TRA_1PNPDE20110406_013523_000000483101_00146_47574_3034.N1	06-APR-2011 01:35:23	Twilight	47.500	61	8Eps Peg	2.1000	3900.0	95	47574	No
22	GOM_TRA_1PNPDE20110406_014006_000000463101_00146_47574_3035.N1	06-APR-2011 01:40:06	Dark	45.500	154	22Bet Aqr	2.8990	5700.0	91	47574	No
23	GOM_TRA_1PNPDE20110406_015420_000000563101_00146_47574_3036.N1	06-APR-2011 01:54:20	Dark	55.500	103	38Zet Sgr	2.6000	9700.0	111	47574	No
24	GOM_TRA_1PNPDE20110406_015758_000000583101_00147_47575_3037.N1	06-APR-2011 01:57:58	Dark	58.000	38	20Eps Sgr	1.8360	11000.	116	47575	No
25	GOM_TRA_1PNPDE20110406_020210_000000733101_00147_47575_3038.N1	06-APR-2011 02:02:10	Dark	73.000	25	35Lam Sco	1.6200	28000.	146	47575	No
26	GOM_TRA_1PNPDE20110406_020948_000000453101_00147_47575_3039.N1	06-APR-2011 02:09:48	Straylight	44.500	78	Alp Lup	2.3040	28000.	89	47575	No
27	GOM_TRA_1PNPDE20110406_021124_000000453101_00147_47575_3040.N1	06-APR-2011 02:11:24	Straylight	44.500	81	Eta Cen	2.3560	28000.	89	47575	No
28	GOM_TRA_1PNPDE20110406_021358_000000503101_00147_47575_3041.N1	06-APR-2011 02:13:58	Straylight	50.000	54	5The Cen	2.0550	4500.0	100	47575	No
29	GOM_TRA_1PNPDE20110406_021935_000000473101_00147_47575_3042.N1	06-APR-2011 02:19:35	Twilight	47.000	106	9Bet Crv	2.6480	5600.0	94	47575	No
30	GOM_TRA_1PNPDE20110406_022139_000000443101_00147_47575_3043.N1	06-APR-2011 02:21:39	Twilight	44.000	163	7Del Crv	2.9450	11000.	88	47575	No
31	GOM_TRA_1PNPDE20110406_022306_000000573101_00147_47575_3044.N1	06-APR-2011 02:23:06	Bright	57.000	15	67Alp Vir	0.97600	28000.	114	47575	No
32	GOM_TRA_1PNPDE20110406_022614_000000413101_00147_47575_3045.N1	06-APR-2011 02:26:14	Bright	41.000	121	29Gam Vir	2.7400	7200.0	82	47575	No
33	GOM_TRA_1PNPDE20110406_023028_000000433101_00147_47575_3046.N1	06-APR-2011 02:30:28	Bright	43.000	138	47Eps Vir	2.8280	4700.0	86	47575	No
34	GOM_TRA_1PNPDE20110406_023851_000000423101_00147_47575_3047.N1	06-APR-2011 02:38:51	Bright	42.000	152	12Alp2CVn	2.8900	11000.	84	47575	No
35	GOM_TRA_1PNPDE20110406_024207_000000383101_00147_47575_3048.N1	06-APR-2011 02:42:07	Bright	37.500	87	64Gam UMa	2.4330	11000.	75	47575	No
36	GOM_TRA_1PNPDE20110406_024341_000000413101_00147_47575_3049.N1	06-APR-2011 02:43:41	Bright	40.500	32	77Eps UMa	1.7630	11000.	81	47575	No
37	GOM_TRA_1PNPDE20110406_025004_000000393101_00147_47575_3050.N1	06-APR-2011 02:50:04	Bright	38.500	60	7Bet UMi	2.0810	3950.0	77	47575	No
38	GOM_TRA_1PNPDE20110406_025224_000000483101_00147_47575_3068.N1	06-APR-2011 02:52:24	Bright	48.000	119	14Eta Dra	2.7270	4700.0	96	47575	Yes
39	GOM_TRA_1PNPDE20110406_025946_000000373101_00147_47575_3069.N1	06-APR-2011 02:59:46	Bright	37.000	89	5Alp Cep	2.4510	8000.0	74	47575	No
40	GOM_TRA_1PNPDE20110406_030433_000000483101_00147_47575_3070.N1	06-APR-2011 03:04:33	Bright	48.000	144	18Del Cyg	2.8600	11000.	96	47575	No
41	GOM_TRA_1PNPDE20110406_030639_000000483101_00147_47575_3071.N1	06-APR-2011 03:06:39	Bright	48.000	66	37Gam Cyg	2.2080	5900.0	96	47575	No
42	GOM_TRA_1PNPDE20110406_030850_000000643101_00147_47575_3072.N1	06-APR-2011 03:08:50	Bright	64.000	92	53Eps Cyg	2.5000	4500.0	128	47575	No
43	GOM_TRA_1PNPDE20110406_031538_000000483101_00147_47575_3073.N1	06-APR-2011 03:15:38	Twilight	48.000	61	8Eps Peg	2.1000	3900.0	96	47575	No
44	GOM_TRA_1PNPDE20110406_032021_000000443101_00147_47575_3074.N1	06-APR-2011 03:20:21	Dark	43.500	154	22Bet Aqr	2.8990	5700.0	87	47575	No
45	GOM_TRA_1PNPDE20110406_033436_000000543101_00147_47575_3075.N1	06-APR-2011 03:34:36	Dark	53.500	103	38Zet Sgr	2.6000	9700.0	107	47575	No
46	GOM_TRA_1PNPDE20110406_033813_000000593101_00148_47576_3076.N1	06-APR-2011 03:38:13	Dark	59.000	38	20Eps Sgr	1.8360	11000.	118	47576	No
47	GOM_TRA_1PNPDE20110406_034225_000000593101_00148_47576_3077.N1	06-APR-2011 03:42:25	Dark	58.500	25	35Lam Sco	1.6200	28000.	117	47576	No
48	GOM_TRA_1PNPDE20110406_035002_000000443101_00148_47576_3078.N1	06-APR-2011 03:50:02	Straylight	44.000	78	Alp Lup	2.3040	28000.	88	47576	No
49	GOM_TRA_1PNPDE20110406_035138_000000453101_00148_47576_3079.N1	06-APR-2011 03:51:38	Straylight	45.000	81	Eta Cen	2.3560	28000.	90	47576	No
50	GOM_TRA_1PNPDE20110406_035413_000000543101_00148_47576_3080.N1	06-APR-2011 03:54:13	Straylight	53.500	54	5The Cen	2.0550	4500.0	107	47576	No
51	GOM_TRA_1PNPDE20110406_035949_000000473101_00148_47576_3081.N1	06-APR-2011 03:59:49	Twilight	46.500	106	9Bet Crv	2.6480	5600.0	93	47576	No
52	GOM_TRA_1PNPDE20110406_040154_000000433101_00148_47576_3082.N1	06-APR-2011 04:01:54	Twilight	43.000	163	7Del Crv	2.9450	11000.	86	47576	No
53	GOM_TRA_1PNPDE20110406_040320_000000563101_00148_47576_3083.N1	06-APR-2011 04:03:20	Bright	56.000	15	67Alp Vir	0.97600	28000.	112	47576	No
54	GOM_TRA_1PNPDE20110406_040628_000000423101_00148_47576_3084.N1	06-APR-2011 04:06:28	Bright	42.000	121	29Gam Vir	2.7400	7200.0	84	47576	No
55	GOM_TRA_1PNPDE20110406_041041_000000453101_00148_47576_3085.N1	06-APR-2011 04:10:41	Bright	45.000	138	47Eps Vir	2.8280	4700.0	90	47576	No
56	GOM_TRA_1PNPDE20110406_041905_000000433101_00148_47576_3086.N1	06-APR-2011 04:19:05	Bright	42.500	152	12Alp2CVn	2.8900	11000.	85	47576	No
57	GOM_TRA_1PNPDE20110406_042221_000000353101_00148_47576_3087.N1	06-APR-2011 04:22:21	Bright	35.000	87	64Gam UMa	2.4330	11000.	70	47576	No
58	GOM_TRA_1PNPDE20110406_042355_000000413101_00148_47576_3088.N1	06-APR-2011 04:23:55	Bright	40.500	32	77Eps UMa	1.7630	11000.	81	47576	No
59	GOM_TRA_1PNPDE20110406_043018_000000583101_00148_47576_3089.N1	06-APR-2011 04:30:18	Bright	58.000	60	7Bet UMi	2.0810	3950.0	116	47576	No
60	GOM_TRA_1PNPDE20110406_043237_000000483101_00148_47576_3090.N1	06-APR-2011 04:32:37	Bright	48.000	119	14Eta Dra	2.7270	4700.0	96	47576	No
61	GOM_TRA_1PNPDE20110406_044000_000000393101_00148_47576_3088.N1	06-APR-2011 04:40:00	Bright	38.500	89	5Alp Cep	2.4510	8000.0	77	47576	No
62	GOM_TRA_1PNPDE20110406_044446_000000513101_00148_47576_3089.N1	06-APR-2011 04:44:46	Bright	51.000	144	18Del Cyg	2.8600	11000.	102	47576	No
63	GOM_TRA_1PNPDE20110406_044653_000000473101_00148_47576_3090.N1	06-APR-2011 04:46:53	Bright	47.000	66	37Gam Cyg	2.2080	5900.0	94	47576	No
64	GOM_TRA_1PNPDE20110406_044904_000000473101_00148_47576_3091.N1	06-APR-2011 04:49:04	Bright	46.500	92	53Eps Cyg	2.5000	4500.0	93	47576	No
65	GOM_TRA_1PNPDE20110406_045552_000000503101_00148_47576_3092.N1	06-APR-2011 04:55:52	Twilight	49.500	61	8Eps Peg	2.1000	3900.0	99	47576	No
66	GOM_TRA_1PNPDE20110406_050035_000000483101_00148_47576_3093.N1	06-APR-2011 05:00:35	Dark	47.500	154	22Bet Aqr	2.8990	5700.0	95	47576	No
67	GOM_TRA_1PNPDE20110406_051451_000000563101_00148_47576_3094.N1	06-APR-2011 05:14:51	Dark	56.000	103	38Zet Sgr	2.6000	9700.0	112	47576	No
68	GOM_TRA_1PNPDE20110406_051829_000000583101_00149_47577_3095.N1	06-APR-2011 05:18:29	Dark	57.500	38	20Eps Sgr	1.8360	11000.	115	47577	No
69	GOM_TRA_1PNPDE20110406_052241_000000603101_00149_47577_3096.N1	06-APR-2011 05:22:41	Dark	60.000	25	35Lam Sco	1.6200	28000.	120	47577	No
70	GOM_TRA_1PNPDE20110406_053017_000000433101_00149_47577_3097.N1	06-APR-2011 05:30:17	Straylight	43.000	78	Alp Lup	2.3040	28000.	86	47577	No
71	GOM_TRA_1PNPDE20110406_053153_000000453101_00149_47577_3098.N1	06-APR-2011 05:31:53	Straylight	45.000	81	Eta Cen	2.3560	28000.	90	47577	No

72	GOM_TRA_1PNPDE20110406_053428_000000523101_00149_47577_3099.N1	06-APR-2011 05:34:28	Straylight	51.500	54	5The Cen	2.0550	4500.0	103	47577	No
73	GOM_TRA_1PNPDE20110406_054003_000000463101_00149_47577_3100.N1	06-APR-2011 05:40:03	Twilight_stray	46.000	106	9Bet Crv	2.6480	5600.0	92	47577	No
74	GOM_TRA_1PNPDE20110406_054208_000000443101_00149_47577_3101.N1	06-APR-2011 05:42:08	Twilight_stray	43.500	163	7Del Crv	2.9450	11000.	87	47577	No
75	GOM_TRA_1PNPDE20110406_054334_000000583101_00149_47577_3102.N1	06-APR-2011 05:43:34	Bright	57.500	15	67Alp Vir	0.97600	28000.	115	47577	No
76	GOM_TRA_1PNPDE20110406_054642_000000393101_00149_47577_3103.N1	06-APR-2011 05:46:42	Bright	38.500	121	29Gam Vir	2.7400	7200.0	77	47577	No
77	GOM_TRA_1PNPDE20110406_055055_000000453101_00149_47577_3104.N1	06-APR-2011 05:50:55	Bright	45.000	138	47Eps Vir	2.8280	4700.0	90	47577	No
78	GOM_TRA_1PNPDE20110406_055919_000000413101_00149_47577_3105.N1	06-APR-2011 05:59:19	Bright	40.500	152	12Alp2CVn	2.8900	11000.	81	47577	No
79	GOM_TRA_1PNPDE20110406_060235_000000373101_00149_47577_3106.N1	06-APR-2011 06:02:35	Bright	37.000	87	64Gam UMa	2.4330	11000.	74	47577	No
80	GOM_TRA_1PNPDE20110406_060408_000000383101_00149_47577_3107.N1	06-APR-2011 06:04:08	Bright	38.000	32	77Eps UMa	1.7630	11000.	76	47577	No
81	GOM_TRA_1PNPDE20110406_061032_000000413101_00149_47577_3108.N1	06-APR-2011 06:10:32	Bright	40.500	60	7Bet UMi	2.0810	3950.0	81	47577	No
82	GOM_TRA_1PNPDE20110406_061250_000000463101_00149_47577_3109.N1	06-APR-2011 06:12:50	Bright	45.500	119	14Eta Dra	2.7270	4700.0	91	47577	No
83	GOM_TRA_1PNPDK20110406_062014_000000393101_00149_47577_0102.N1	06-APR-2011 06:20:14	Bright	39.000	89	5Alp Cep	2.4510	8000.0	78	47577	No
84	GOM_TRA_1PNPDK20110406_062500_000000493101_00149_47577_0103.N1	06-APR-2011 06:25:00	Bright	48.500	144	18Del Cyg	2.8600	11000.	97	47577	No
85	GOM_TRA_1PNPDK20110406_062707_000000483101_00149_47577_0104.N1	06-APR-2011 06:27:07	Bright	48.000	66	37Gam Cyg	2.2080	5900.0	96	47577	No
86	GOM_TRA_1PNPDK20110406_062919_000000473101_00149_47577_0105.N1	06-APR-2011 06:29:19	Bright	47.000	92	53Eps Cyg	2.5000	4500.0	94	47577	No
87	GOM_TRA_1PNPDK20110406_063606_000000493101_00149_47577_0106.N1	06-APR-2011 06:36:06	Twilight_stray	48.500	61	8Eps Peg	2.1000	3900.0	97	47577	No
88	GOM_TRA_1PNPDK20110406_064050_000000463101_00149_47577_0107.N1	06-APR-2011 06:40:50	Dark	46.000	154	22Bet Aqr	2.8990	5700.0	92	47577	No
89	GOM_TRA_1PNPDK20110406_065507_000000563101_00149_47577_0108.N1	06-APR-2011 06:55:07	Dark	55.500	103	38Zet Sgr	2.6000	9700.0	111	47577	No
90	GOM_TRA_1PNPDK20110406_065844_000000593101_00150_47578_0109.N1	06-APR-2011 06:58:44	Dark	59.000	38	20Eps Sgr	1.8360	11000.	118	47578	No
91	GOM_TRA_1PNPDK20110406_070256_000000633101_00150_47578_0110.N1	06-APR-2011 07:02:56	Dark	63.000	25	35Lam Sco	1.6200	28000.	126	47578	No
92	GOM_TRA_1PNPDK20110406_071032_000000463101_00150_47578_0111.N1	06-APR-2011 07:10:32	Straylight	45.500	78	Alp Lup	2.3040	28000.	91	47578	No
93	GOM_TRA_1PNPDK20110406_071208_000000473101_00150_47578_0112.N1	06-APR-2011 07:12:08	Straylight	46.500	81	Eta Cen	2.3560	28000.	93	47578	No
94	GOM_TRA_1PNPDK20110406_071442_000000553101_00150_47578_0113.N1	06-APR-2011 07:14:42	Straylight	55.000	54	5The Cen	2.0550	4500.0	110	47578	No
95	GOM_TRA_1PNPDK20110406_072018_000000443101_00150_47578_0114.N1	06-APR-2011 07:20:18	Twilight_stray	44.000	106	9Bet Crv	2.6480	5600.0	88	47578	No
96	GOM_TRA_1PNPDK20110406_072222_000000403101_00150_47578_0115.N1	06-APR-2011 07:22:22	Twilight_stray	40.000	163	7Del Crv	2.9450	11000.	80	47578	No
97	GOM_TRA_1PNPDK20110406_072348_000000593101_00150_47578_0143.N1	06-APR-2011 07:23:48	Bright	58.500	15	67Alp Vir	0.97600	28000.	117	47578	No
98	GOM_TRA_1PNPDK20110406_072656_000000413101_00150_47578_0144.N1	06-APR-2011 07:26:56	Bright	41.000	121	29Gam Vir	2.7400	7200.0	82	47578	No
99	GOM_TRA_1PNPDK20110406_073109_000000453101_00150_47578_0145.N1	06-APR-2011 07:31:09	Bright	44.500	138	47Eps Vir	2.8280	4700.0	89	47578	No
100	GOM_TRA_1PNPDK20110406_073932_000000413101_00150_47578_0146.N1	06-APR-2011 07:39:32	Bright	40.500	152	12Alp2CVn	2.8900	11000.	81	47578	No
101	GOM_TRA_1PNPDK20110406_074249_000000383101_00150_47578_0147.N1	06-APR-2011 07:42:49	Bright	37.500	87	64Gam UMa	2.4330	11000.	75	47578	No
102	GOM_TRA_1PNPDK20110406_074422_000000403101_00150_47578_0148.N1	06-APR-2011 07:44:22	Bright	39.500	32	77Eps UMa	1.7630	11000.	79	47578	No
103	GOM_TRA_1PNPDK20110406_075046_000000393101_00150_47578_0149.N1	06-APR-2011 07:50:46	Bright	39.000	60	7Bet UMi	2.0810	3950.0	78	47578	No
104	GOM_TRA_1PNPDK20110406_075304_000000473101_00150_47578_0150.N1	06-APR-2011 07:53:04	Bright	47.000	119	14Eta Dra	2.7270	4700.0	94	47578	No
105	GOM_TRA_1PNPDK20110406_080028_000000383101_00150_47578_0151.N1	06-APR-2011 08:00:28	Bright	37.500	89	5Alp Cep	2.4510	8000.0	75	47578	No
106	GOM_TRA_1PNPDK20110406_080514_000000493101_00150_47578_0152.N1	06-APR-2011 08:05:14	Bright	48.500	144	18Del Cyg	2.8600	11000.	97	47578	No
107	GOM_TRA_1PNPDK20110406_080721_000000483101_00150_47578_0153.N1	06-APR-2011 08:07:21	Bright	48.000	66	37Gam Cyg	2.2080	5900.0	96	47578	No
108	GOM_TRA_1PNPDK20110406_080933_000000463101_00150_47578_0154.N1	06-APR-2011 08:09:33	Bright	45.500	92	53Eps Cyg	2.5000	4500.0	91	47578	No
109	GOM_TRA_1PNPDK20110406_081621_000000473101_00150_47578_0155.N1	06-APR-2011 08:16:21	Twilight_stray	47.000	61	8Eps Peg	2.1000	3900.0	94	47578	No
110	GOM_TRA_1PNPDK20110406_082104_000000473101_00150_47578_0156.N1	06-APR-2011 08:21:04	Dark	46.500	154	22Bet Aqr	2.8990	5700.0	93	47578	No
111	GOM_TRA_1PNPDK20110406_083522_000000553101_00150_47578_0157.N1	06-APR-2011 08:35:22	Dark	54.500	103	38Zet Sgr	2.6000	9700.0	109	47578	No
112	GOM_TRA_1PNPDK20110406_083900_000000563101_00151_47579_0158.N1	06-APR-2011 08:39:00	Dark	55.500	38	20Eps Sgr	1.8360	11000.	111	47579	No
113	GOM_TRA_1PNPDK20110406_084312_000000593101_00151_47579_0159.N1	06-APR-2011 08:43:12	Dark	59.000	25	35Lam Sco	1.6200	28000.	118	47579	No
114	GOM_TRA_1PNPDK20110406_085046_000000453101_00151_47579_0160.N1	06-APR-2011 08:50:46	Straylight	45.000	78	Alp Lup	2.3040	28000.	90	47579	No
115	GOM_TRA_1PNPDK20110406_085222_000000463101_00151_47579_0161.N1	06-APR-2011 08:52:22	Straylight	45.500	81	Eta Cen	2.3560	28000.	91	47579	No
116	GOM_TRA_1PNPDK20110406_085456_000000513101_00151_47579_0162.N1	06-APR-2011 08:54:56	Straylight	50.500	54	5The Cen	2.0550	4500.0	101	47579	No
117	GOM_TRA_1PNPDK20110406_090032_000000473101_00151_47579_0163.N1	06-APR-2011 09:00:32	Twilight_stray	47.000	106	9Bet Crv	2.6480	5600.0	94	47579	No
118	GOM_TRA_1PNPDK20110406_090236_000000413101_00151_47579_0164.N1	06-APR-2011 09:02:36	Twilight_stray	40.500	163	7Del Crv	2.9450	11000.	81	47579	No
119	GOM_TRA_1PNPDK20110406_090402_000000543101_00151_47579_0169.N1	06-APR-2011 09:04:02	Bright	53.500	15	67Alp Vir	0.97600	28000.	107	47579	No
120	GOM_TRA_1PNPDK20110406_090710_000000433101_00151_47579_0170.N1	06-APR-2011 09:07:10	Bright	42.500	121	29Gam Vir	2.7400	7200.0	85	47579	No
121	GOM_TRA_1PNPDK20110406_091122_000000453101_00151_47579_0171.N1	06-APR-2011 09:11:22	Bright	44.500	138	47Eps Vir	2.8280	4700.0	89	47579	No
122	GOM_TRA_1PNPDK20110406_091945_000000423101_00151_47579_0172.N1	06-APR-2011 09:19:45	Bright	41.500	152	12Alp2CVn	2.8900	11000.	83	47579	No
123	GOM_TRA_1PNPDK20110406_092303_000000423101_00151_47579_0173.N1	06-APR-2011 09:23:03	Bright	42.000	87	64Gam UMa	2.4330	11000.	84	47579	No
124	GOM_TRA_1PNPDK20110406_092436_000000393101_00151_47579_0174.N1	06-APR-2011 09:24:36	Bright	39.000	32	77Eps UMa	1.7630	11000.	78	47579	No
125	GOM_TRA_1PNPDK20110406_093059_000000423101_00151_47579_0175.N1	06-APR-2011 09:30:59	Bright	42.000	60	7Bet UMi	2.0810	3950.0	84	47579	No
126	GOM_TRA_1PNPDK20110406_093317_000000483101_00151_47579_0176.N1	06-APR-2011 09:33:17	Bright	47.500	119	14Eta Dra	2.7270	4700.0	95	47579	No
127	GOM_TRA_1PNPDK20110406_094042_000000393101_00151_47579_0177.N1	06-APR-2011 09:40:42	Bright	39.000	89	5Alp Cep	2.4510	8000.0	78	47579	No
128	GOM_TRA_1PNPDK20110406_094528_000000513101_00151_47579_0178.N1	06-APR-2011 09:45:28	Bright	50.500	144	18Del Cyg	2.8600	11000.	101	47579	No
129	GOM_TRA_1PNPDK20110406_094735_000000493101_00151_47579_0179.N1	06-APR-2011 09:47:35	Bright	48.500	66	37Gam Cyg	2.2080	5900.0	97	47579	No
130	GOM_TRA_1PNPDK20110406_094947_000000483101_00151_47579_0180.N1	06-APR-2011 09:49:47	Bright	48.000	92	53Eps Cyg	2.5000	4500.0	96	47579	No

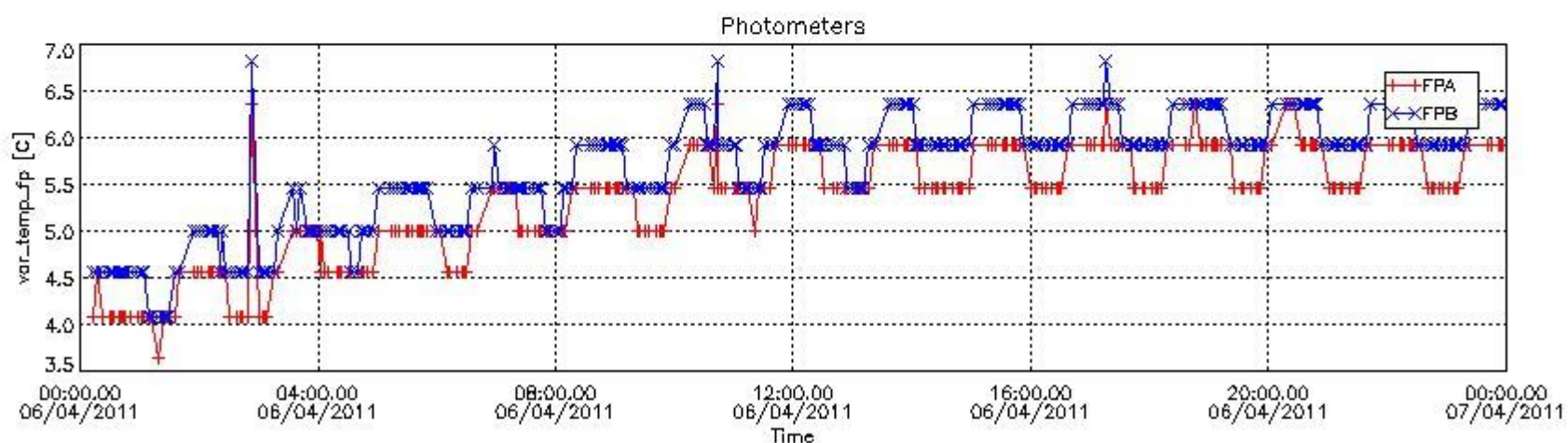
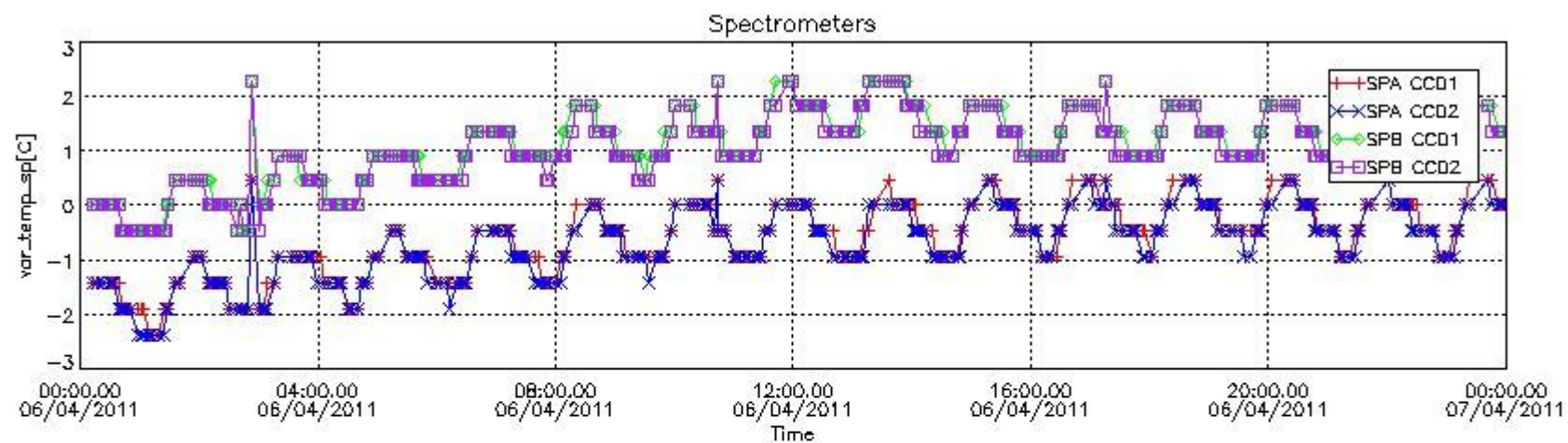
131	GOM_TRA_1PNPDK20110406_095635_000000483101_00151_47579_0181.N1	06-APR-2011 09:56:35	Twilight	47.500	61	8Eps Peg	2.1000	3900.0	95	47579	No
132	GOM_TRA_1PNPDK20110406_100119_000000473101_00151_47579_0182.N1	06-APR-2011 10:01:19	Dark	46.500	154	22Bet Aqr	2.8990	5700.0	93	47579	No
133	GOM_TRA_1PNPDK20110406_101537_000000573101_00151_47579_0183.N1	06-APR-2011 10:15:37	Dark	56.500	103	38Zet Sgr	2.6000	9700.0	113	47579	No
134	GOM_TRA_1PNPDK20110406_101915_000000563101_00152_47580_0184.N1	06-APR-2011 10:19:15	Dark	56.000	38	20Eps Sgr	1.8360	11000.	112	47580	No
135	GOM_TRA_1PNPDK20110406_102327_000000603101_00152_47580_0185.N1	06-APR-2011 10:23:27	Dark	59.500	25	35Lam Sco	1.6200	28000.	119	47580	No
136	GOM_TRA_1PNPDK20110406_103101_000000433101_00152_47580_0186.N1	06-APR-2011 10:31:01	Straylight	43.000	78	Alp Lup	2.3040	28000.	86	47580	No
137	GOM_TRA_1PNPDK20110406_103237_000000493101_00152_47580_0187.N1	06-APR-2011 10:32:37	Straylight	48.500	81	Eta Cen	2.3560	28000.	97	47580	No
138	GOM_TRA_1PNPDK20110406_103511_000000533101_00152_47580_0188.N1	06-APR-2011 10:35:11	Straylight	52.500	54	5The Cen	2.0550	4500.0	105	47580	No
139	GOM_TRA_1PNPDK20110406_104046_000000453101_00152_47580_0243.N1	06-APR-2011 10:40:46	Twilight	45.000	106	9Bet Crv	2.6480	5600.0	90	47580	No
140	GOM_TRA_1PNPDK20110406_104250_000000413101_00152_47580_0208.N1	06-APR-2011 10:42:50	Twilight	40.500	163	7Del Crv	2.9450	11000.	81	47580	No
141	GOM_TRA_1PNPDK20110406_104416_000000563101_00152_47580_0209.N1	06-APR-2011 10:44:16	Bright	55.500	15	67Alp Vir	0.97600	28000.	111	47580	No
142	GOM_TRA_1PNPDK20110406_104724_000000413101_00152_47580_0210.N1	06-APR-2011 10:47:24	Bright	40.500	121	29Gam Vir	2.7400	7200.0	81	47580	No
143	GOM_TRA_1PNPDK20110406_105136_000000623101_00152_47580_0211.N1	06-APR-2011 10:51:36	Bright	61.500	138	47Eps Vir	2.8280	4700.0	123	47580	No
144	GOM_TRA_1PNPDK20110406_105959_000000413101_00152_47580_0212.N1	06-APR-2011 10:59:59	Bright	41.000	152	12Alp2CVn	2.8900	11000.	82	47580	No
145	GOM_TRA_1PNPDK20110406_110316_000000393101_00152_47580_0213.N1	06-APR-2011 11:03:16	Bright	38.500	87	64Gam UMa	2.4330	11000.	77	47580	No
146	GOM_TRA_1PNPDK20110406_110449_000000413101_00152_47580_0214.N1	06-APR-2011 11:04:49	Bright	41.000	32	77Eps UMa	1.7630	11000.	82	47580	No
147	GOM_TRA_1PNPDK20110406_111113_000000413101_00152_47580_0215.N1	06-APR-2011 11:11:13	Bright	41.000	60	7Bet UMi	2.0810	3950.0	82	47580	No
148	GOM_TRA_1PNPDK20110406_111330_000000493101_00152_47580_0216.N1	06-APR-2011 11:13:30	Bright	48.500	119	14Eta Dra	2.7270	4700.0	97	47580	No
149	GOM_TRA_1PNPDK20110406_112056_000000563101_00152_47580_0217.N1	06-APR-2011 11:20:56	Bright	56.000	89	5Alp Cep	2.4510	8000.0	112	47580	No
150	GOM_TRA_1PNPDK20110406_112542_000000663101_00152_47580_0218.N1	06-APR-2011 11:25:42	Bright	66.000	144	18Del Cyg	2.8600	11000.	132	47580	No
151	GOM_TRA_1PNPDK20110406_112749_000000463101_00152_47580_0219.N1	06-APR-2011 11:27:49	Bright	45.500	66	37Gam Cyg	2.2080	5900.0	91	47580	No
152	GOM_TRA_1PNPDK20110406_113001_000000463101_00152_47580_0220.N1	06-APR-2011 11:30:01	Bright	45.500	92	53Eps Cyg	2.5000	4500.0	91	47580	No
153	GOM_TRA_1PNPDK20110406_113649_000000463101_00152_47580_0221.N1	06-APR-2011 11:36:49	Twilight	46.000	61	8Eps Peg	2.1000	3900.0	92	47580	No
154	GOM_TRA_1PNPDK20110406_114133_000000443101_00152_47580_0222.N1	06-APR-2011 11:41:33	Dark	43.500	154	22Bet Aqr	2.8990	5700.0	87	47580	No
155	GOM_TRA_1PNPDK20110406_115553_000000543101_00152_47580_0223.N1	06-APR-2011 11:55:53	Dark	53.500	103	38Zet Sgr	2.6000	9700.0	107	47580	No
156	GOM_TRA_1PNPDK20110406_115930_000000573101_00153_47581_0224.N1	06-APR-2011 11:59:30	Dark	57.000	38	20Eps Sgr	1.8360	11000.	114	47581	No
157	GOM_TRA_1PNPDK20110406_120342_000000603101_00153_47581_0225.N1	06-APR-2011 12:03:42	Dark	60.000	25	35Lam Sco	1.6200	28000.	120	47581	No
158	GOM_TRA_1PNPDK20110406_121115_000000443101_00153_47581_0226.N1	06-APR-2011 12:11:15	Straylight	43.500	78	Alp Lup	2.3040	28000.	87	47581	No
159	GOM_TRA_1PNPDK20110406_121251_000000483101_00153_47581_0227.N1	06-APR-2011 12:12:51	Straylight	47.500	81	Eta Cen	2.3560	28000.	95	47581	No
160	GOM_TRA_1PNPDK20110406_121525_000000503101_00153_47581_0228.N1	06-APR-2011 12:15:25	Straylight	50.000	54	5The Cen	2.0550	4500.0	100	47581	No
161	GOM_TRA_1PNPDK20110406_122100_000000473101_00153_47581_0229.N1	06-APR-2011 12:21:00	Twilight	46.500	106	9Bet Crv	2.6480	5600.0	93	47581	No
162	GOM_TRA_1PNPDK20110406_122304_000000423101_00153_47581_0260.N1	06-APR-2011 12:23:04	Twilight	42.000	163	7Del Crv	2.9450	11000.	84	47581	No
163	GOM_TRA_1PNPDK20110406_122430_000000563101_00153_47581_0261.N1	06-APR-2011 12:24:30	Bright	56.000	15	67Alp Vir	0.97600	28000.	112	47581	No
164	GOM_TRA_1PNPDK20110406_122738_000000403101_00153_47581_0262.N1	06-APR-2011 12:27:38	Bright	40.000	121	29Gam Vir	2.7400	7200.0	80	47581	No
165	GOM_TRA_1PNPDK20110406_123150_000000453101_00153_47581_0263.N1	06-APR-2011 12:31:50	Bright	44.500	138	47Eps Vir	2.8280	4700.0	89	47581	No
166	GOM_TRA_1PNPDK20110406_124012_000000403101_00153_47581_0264.N1	06-APR-2011 12:40:12	Bright	40.000	152	12Alp2CVn	2.8900	11000.	80	47581	No
167	GOM_TRA_1PNPDK20110406_124330_000000363101_00153_47581_0265.N1	06-APR-2011 12:43:30	Bright	36.000	87	64Gam UMa	2.4330	11000.	72	47581	No
168	GOM_TRA_1PNPDK20110406_124503_000000403101_00153_47581_0266.N1	06-APR-2011 12:45:03	Bright	40.000	32	77Eps UMa	1.7630	11000.	80	47581	No
169	GOM_TRA_1PNPDK20110406_125126_000000393101_00153_47581_0267.N1	06-APR-2011 12:51:26	Bright	38.500	60	7Bet UMi	2.0810	3950.0	77	47581	No
170	GOM_TRA_1PNPDK20110406_125343_000000483101_00153_47581_0268.N1	06-APR-2011 12:53:43	Bright	48.000	119	14Eta Dra	2.7270	4700.0	96	47581	No
171	GOM_TRA_1PNPDK20110406_130110_000000383101_00153_47581_0269.N1	06-APR-2011 13:01:10	Bright	37.500	89	5Alp Cep	2.4510	8000.0	75	47581	No
172	GOM_TRA_1PNPDK20110406_130555_000000483101_00153_47581_0270.N1	06-APR-2011 13:05:55	Bright	47.500	144	18Del Cyg	2.8600	11000.	95	47581	No
173	GOM_TRA_1PNPDK20110406_130803_000000483101_00153_47581_0271.N1	06-APR-2011 13:08:03	Bright	47.500	66	37Gam Cyg	2.2080	5900.0	95	47581	No
174	GOM_TRA_1PNPDK20110406_131015_000000483101_00153_47581_0272.N1	06-APR-2011 13:10:15	Bright	47.500	92	53Eps Cyg	2.5000	4500.0	95	47581	No
175	GOM_TRA_1PNPDK20110406_131704_000000493101_00153_47581_0273.N1	06-APR-2011 13:17:04	Twilight	48.500	61	8Eps Peg	2.1000	3900.0	97	47581	No
176	GOM_TRA_1PNPDK20110406_132147_000000453101_00153_47581_0274.N1	06-APR-2011 13:21:47	Dark	45.000	154	22Bet Aqr	2.8990	5700.0	90	47581	No
177	GOM_TRA_1PNPDK20110406_133608_000000573101_00153_47581_0275.N1	06-APR-2011 13:36:08	Dark	56.500	103	38Zet Sgr	2.6000	9700.0	113	47581	No
178	GOM_TRA_1PNPDK20110406_133945_000000583101_00154_47582_0276.N1	06-APR-2011 13:39:45	Dark	57.500	38	20Eps Sgr	1.8360	11000.	115	47582	No
179	GOM_TRA_1PNPDK20110406_134357_000000613101_00154_47582_0277.N1	06-APR-2011 13:43:57	Dark	60.500	25	35Lam Sco	1.6200	28000.	121	47582	No
180	GOM_TRA_1PNPDK20110406_135129_000000423101_00154_47582_0278.N1	06-APR-2011 13:51:29	Straylight	42.000	78	Alp Lup	2.3040	28000.	84	47582	No
181	GOM_TRA_1PNPDK20110406_135306_000000473101_00154_47582_0279.N1	06-APR-2011 13:53:06	Straylight	46.500	81	Eta Cen	2.3560	28000.	93	47582	No
182	GOM_TRA_1PNPDK20110406_135540_000000513101_00154_47582_0280.N1	06-APR-2011 13:55:40	Straylight	50.500	54	5The Cen	2.0550	4500.0	101	47582	No
183	GOM_TRA_1PNPDK20110406_140114_000000463101_00154_47582_0297.N1	06-APR-2011 14:01:14	Twilight	46.000	106	9Bet Crv	2.6480	5600.0	92	47582	No
184	GOM_TRA_1PNPDK20110406_140318_000000373101_00154_47582_0298.N1	06-APR-2011 14:03:18	Twilight	37.000	163	7Del Crv	2.9450	11000.	74	47582	No
185	GOM_TRA_1PNPDK20110406_140444_000000543101_00154_47582_0299.N1	06-APR-2011 14:04:44	Bright	54.000	15	67Alp Vir	0.97600	28000.	108	47582	No
186	GOM_TRA_1PNPDK20110406_140752_000000413101_00154_47582_0300.N1	06-APR-2011 14:07:52	Bright	41.000	121	29Gam Vir	2.7400	7200.0	82	47582	No
187	GOM_TRA_1PNPDK20110406_141203_000000443101_00154_47582_0301.N1	06-APR-2011 14:12:03	Bright	44.000	138	47Eps Vir	2.8280	4700.0	88	47582	No
188	GOM_TRA_1PNPDK20110406_142026_000000423101_00154_47582_0302.N1	06-APR-2011 14:20:26	Bright	42.000	152	12Alp2CVn	2.8900	11000.	84	47582	No
189	GOM_TRA_1PNPDK20110406_142344_000000543101_00154_47582_0303.N1	06-APR-2011 14:23:44	Bright	54.000	87	64Gam UMa	2.4330	11000.	108	47582	No

190	GOM_TRA_1PNPDK20110406_142517_000000413101_00154_47582_0304.N1	06-APR-2011 14:25:17	Bright	40.500	32	77Eps UMa	1.7630	11000.	81	47582	No
191	GOM_TRA_1PNPDK20110406_143140_000000383101_00154_47582_0305.N1	06-APR-2011 14:31:40	Bright	38.000	60	7Bet UMi	2.0810	3950.0	76	47582	No
192	GOM_TRA_1PNPDK20110406_143357_000000473101_00154_47582_0306.N1	06-APR-2011 14:33:57	Bright	46.500	119	14Eta Dra	2.7270	4700.0	93	47582	No
193	GOM_TRA_1PNPDK20110406_144124_000000563101_00154_47582_0307.N1	06-APR-2011 14:41:24	Bright	56.000	89	5Alp Cep	2.4510	8000.0	112	47582	No
194	GOM_TRA_1PNPDK20110406_144609_000000523101_00154_47582_0308.N1	06-APR-2011 14:46:09	Bright	52.000	144	18Del Cyg	2.8600	11000.	104	47582	No
195	GOM_TRA_1PNPDK20110406_144817_000000493101_00154_47582_0309.N1	06-APR-2011 14:48:17	Bright	48.500	66	37Gam Cyg	2.2080	5900.0	97	47582	No
196	GOM_TRA_1PNPDK20110406_145029_000000463101_00154_47582_0310.N1	06-APR-2011 14:50:29	Bright	46.000	92	53Eps Cyg	2.5000	4500.0	92	47582	No
197	GOM_TRA_1PNPDK20110406_145718_000000473101_00154_47582_0311.N1	06-APR-2011 14:57:18	Tw_i_and_stray	47.000	61	8Eps Peg	2.1000	3900.0	94	47582	No
198	GOM_TRA_1PNPDK20110406_150202_000000443101_00154_47582_0312.N1	06-APR-2011 15:02:02	Dark	44.000	154	22Bet Aqr	2.8990	5700.0	88	47582	No
199	GOM_TRA_1PNPDK20110406_151623_000000573101_00154_47582_0313.N1	06-APR-2011 15:16:23	Dark	56.500	103	38Zet Sgr	2.6000	9700.0	113	47582	No
200	GOM_TRA_1PNPDK20110406_152001_000000633101_00155_47583_0314.N1	06-APR-2011 15:20:01	Dark	62.500	38	20Eps Sgr	1.8360	11000.	125	47583	No
201	GOM_TRA_1PNPDK20110406_152413_000000613101_00155_47583_0315.N1	06-APR-2011 15:24:13	Dark	60.500	25	35Lam Sco	1.6200	28000.	121	47583	No
202	GOM_TRA_1PNPDK20110406_153144_000000423101_00155_47583_0316.N1	06-APR-2011 15:31:44	Straylight	41.500	78	Alp Lup	2.3040	28000.	83	47583	No
203	GOM_TRA_1PNPDK20110406_153320_000000463101_00155_47583_0317.N1	06-APR-2011 15:33:20	Straylight	46.000	81	Eta Cen	2.3560	28000.	92	47583	No
204	GOM_TRA_1PNPDK20110406_153554_000000513101_00155_47583_0327.N1	06-APR-2011 15:35:54	Straylight	50.500	54	5The Cen	2.0550	4500.0	101	47583	No
205	GOM_TRA_1PNPDK20110406_154128_000000483101_00155_47583_0328.N1	06-APR-2011 15:41:28	Tw_i_and_stray	47.500	106	9Bet Crv	2.6480	5600.0	95	47583	No
206	GOM_TRA_1PNPDK20110406_154332_000000423101_00155_47583_0329.N1	06-APR-2011 15:43:32	Tw_i_and_stray	41.500	163	7Del Crv	2.9450	11000.	83	47583	No
207	GOM_TRA_1PNPDK20110406_154458_000000653101_00155_47583_0330.N1	06-APR-2011 15:44:58	Bright	65.000	15	67Alp Vir	0.97600	28000.	130	47583	No
208	GOM_TRA_1PNPDK20110406_154806_000000413101_00155_47583_0331.N1	06-APR-2011 15:48:06	Bright	41.000	121	29Gam Vir	2.7400	7200.0	82	47583	No
209	GOM_TRA_1PNPDK20110406_155217_000000453101_00155_47583_0332.N1	06-APR-2011 15:52:17	Bright	44.500	138	47Eps Vir	2.8280	4700.0	89	47583	No
210	GOM_TRA_1PNPDK20110406_160040_000000413101_00155_47583_0333.N1	06-APR-2011 16:00:40	Bright	41.000	152	12Alp2CVn	2.8900	11000.	82	47583	No
211	GOM_TRA_1PNPDK20110406_160358_000000373101_00155_47583_0334.N1	06-APR-2011 16:03:58	Bright	36.500	87	64Gam UMa	2.4330	11000.	73	47583	No
212	GOM_TRA_1PNPDK20110406_160530_000000403101_00155_47583_0335.N1	06-APR-2011 16:05:30	Bright	40.000	32	77Eps UMa	1.7630	11000.	80	47583	No
213	GOM_TRA_1PNPDK20110406_161154_000000413101_00155_47583_0336.N1	06-APR-2011 16:11:54	Bright	41.000	60	7Bet UMi	2.0810	3950.0	82	47583	No
214	GOM_TRA_1PNPDK20110406_161410_000000473101_00155_47583_0337.N1	06-APR-2011 16:14:10	Bright	47.000	119	14Eta Dra	2.7270	4700.0	94	47583	No
215	GOM_TRA_1PNPDK20110406_162137_000000453101_00155_47583_0338.N1	06-APR-2011 16:21:37	Bright	45.000	89	5Alp Cep	2.4510	8000.0	90	47583	No
216	GOM_TRA_1PNPDK20110406_162623_000000713101_00155_47583_0339.N1	06-APR-2011 16:26:23	Bright	71.000	144	18Del Cyg	2.8600	11000.	142	47583	No
217	GOM_TRA_1PNPDK20110406_162830_000000463101_00155_47583_0340.N1	06-APR-2011 16:28:30	Bright	46.000	66	37Gam Cyg	2.2080	5900.0	92	47583	No
218	GOM_TRA_1PNPDK20110406_163043_000000473101_00155_47583_0341.N1	06-APR-2011 16:30:43	Bright	46.500	92	53Eps Cyg	2.5000	4500.0	93	47583	No
219	GOM_TRA_1PNPDK20110406_163732_000000483101_00155_47583_0342.N1	06-APR-2011 16:37:32	Tw_i_and_stray	48.000	61	8Eps Peg	2.1000	3900.0	96	47583	No
220	GOM_TRA_1PNPDK20110406_164216_000000473101_00155_47583_0343.N1	06-APR-2011 16:42:16	Dark	47.000	154	22Bet Aqr	2.8990	5700.0	94	47583	No
221	GOM_TRA_1PNPDK20110406_165639_000000553101_00155_47583_0344.N1	06-APR-2011 16:56:39	Dark	55.000	103	38Zet Sgr	2.6000	9700.0	110	47583	No
222	GOM_TRA_1PNPDK20110406_170017_000000593101_00156_47584_0345.N1	06-APR-2011 17:00:17	Dark	58.500	38	20Eps Sgr	1.8360	11000.	117	47584	No
223	GOM_TRA_1PNPDK20110406_170428_000000643101_00156_47584_0346.N1	06-APR-2011 17:04:28	Dark	63.500	25	35Lam Sco	1.6200	28000.	127	47584	No
224	GOM_TRA_1PNPDK20110406_171159_000000463101_00156_47584_0347.N1	06-APR-2011 17:11:59	Straylight	45.500	78	Alp Lup	2.3040	28000.	91	47584	No
225	GOM_TRA_1PNPDK20110406_171335_000000463101_00156_47584_0348.N1	06-APR-2011 17:13:35	Straylight	46.000	81	Eta Cen	2.3560	28000.	92	47584	No
226	GOM_TRA_1PNPDK20110406_171609_000000533101_00156_47584_0348.N1	06-APR-2011 17:16:09	Straylight	53.000	54	5The Cen	2.0550	4500.0	106	47584	Yes
227	GOM_TRA_1PNPDK20110406_172143_000000483101_00156_47584_0349.N1	06-APR-2011 17:21:43	Tw_i_and_stray	47.500	106	9Bet Crv	2.6480	5600.0	95	47584	No
228	GOM_TRA_1PNPDK20110406_172347_000000433101_00156_47584_0350.N1	06-APR-2011 17:23:47	Tw_i_and_stray	42.500	163	7Del Crv	2.9450	11000.	85	47584	No
229	GOM_TRA_1PNPDK20110406_172512_000000543101_00156_47584_0351.N1	06-APR-2011 17:25:12	Bright	54.000	15	67Alp Vir	0.97600	28000.	108	47584	No
230	GOM_TRA_1PNPDK20110406_172820_000000413101_00156_47584_0352.N1	06-APR-2011 17:28:20	Bright	40.500	121	29Gam Vir	2.7400	7200.0	81	47584	No
231	GOM_TRA_1PNPDK20110406_173231_000000443101_00156_47584_0353.N1	06-APR-2011 17:32:31	Bright	44.000	138	47Eps Vir	2.8280	4700.0	88	47584	No
232	GOM_TRA_1PNPDK20110406_174053_000000413101_00156_47584_0354.N1	06-APR-2011 17:40:53	Bright	40.500	152	12Alp2CVn	2.8900	11000.	81	47584	No
233	GOM_TRA_1PNPDK20110406_174412_000000543101_00156_47584_0355.N1	06-APR-2011 17:44:12	Bright	54.000	87	64Gam UMa	2.4330	11000.	108	47584	No
234	GOM_TRA_1PNPDK20110406_174544_000000583101_00156_47584_0356.N1	06-APR-2011 17:45:44	Bright	58.000	32	77Eps UMa	1.7630	11000.	116	47584	No
235	GOM_TRA_1PNPDK20110406_175207_000000423101_00156_47584_0357.N1	06-APR-2011 17:52:07	Bright	41.500	60	7Bet UMi	2.0810	3950.0	83	47584	No
236	GOM_TRA_1PNPDK20110406_175423_000000503101_00156_47584_0358.N1	06-APR-2011 17:54:23	Bright	50.000	119	14Eta Dra	2.7270	4700.0	100	47584	No
237	GOM_TRA_1PNPDK20110406_180151_000000373101_00156_47584_0359.N1	06-APR-2011 18:01:51	Bright	37.000	89	5Alp Cep	2.4510	8000.0	74	47584	No
238	GOM_TRA_1PNPDK20110406_180637_000000503101_00156_47584_0360.N1	06-APR-2011 18:06:37	Bright	49.500	144	18Del Cyg	2.8600	11000.	99	47584	No
239	GOM_TRA_1PNPDK20110406_180845_000000463101_00156_47584_0361.N1	06-APR-2011 18:08:45	Bright	45.500	66	37Gam Cyg	2.2080	5900.0	91	47584	No
240	GOM_TRA_1PNPDK20110406_181057_000000473101_00156_47584_0362.N1	06-APR-2011 18:10:57	Bright	46.500	92	53Eps Cyg	2.5000	4500.0	93	47584	No
241	GOM_TRA_1PNPDK20110406_181747_000000463101_00156_47584_0363.N1	06-APR-2011 18:17:47	Tw_i_and_stray	46.000	61	8Eps Peg	2.1000	3900.0	92	47584	No
242	GOM_TRA_1PNPDK20110406_182231_000000433101_00156_47584_0364.N1	06-APR-2011 18:22:31	Dark	43.000	154	22Bet Aqr	2.8990	5700.0	86	47584	No
243	GOM_TRA_1PNPDK20110406_183654_000000553101_00156_47584_0365.N1	06-APR-2011 18:36:54	Dark	54.500	103	38Zet Sgr	2.6000	9700.0	109	47584	No
244	GOM_TRA_1PNPDK20110406_184032_000000583101_00157_47585_0366.N1	06-APR-2011 18:40:32	Dark	58.000	38	20Eps Sgr	1.8360	11000.	116	47585	No
245	GOM_TRA_1PNPDK20110406_184443_000000613101_00157_47585_0367.N1	06-APR-2011 18:44:43	Dark	61.000	25	35Lam Sco	1.6200	28000.	122	47585	No
246	GOM_TRA_1PNPDK20110406_185213_000000453101_00157_47585_0368.N1	06-APR-2011 18:52:13	Straylight	44.500	78	Alp Lup	2.3040	28000.	89	47585	No
247	GOM_TRA_1PNPDK20110406_185349_000000463101_00157_47585_0369.N1	06-APR-2011 18:53:49	Straylight	45.500	81	Eta Cen	2.3560	28000.	91	47585	No
248	GOM_TRA_1PNPDK20110406_185623_000000483101_00157_47585_0402.N1	06-APR-2011 18:56:23	Straylight	47.500	54	5The Cen	2.0550	4500.0	95	47585	No

249	GOM_TRA_1PNPDK20110406_190157_000000453101_00157_47585_0403.N1	06-APR-2011 19:01:57	Twilight	45.000	106	9Bet Crv	2.6480	5600.0	90	47585	No
250	GOM_TRA_1PNPDK20110406_190401_000000443101_00157_47585_0404.N1	06-APR-2011 19:04:01	Twilight	44.000	163	7Del Crv	2.9450	11000.	88	47585	No
251	GOM_TRA_1PNPDK20110406_190526_000000553101_00157_47585_0405.N1	06-APR-2011 19:05:26	Bright	55.000	15	67Alp Vir	0.97600	28000.	110	47585	No
252	GOM_TRA_1PNPDK20110406_190833_000000413101_00157_47585_0406.N1	06-APR-2011 19:08:33	Bright	41.000	121	29Gam Vir	2.7400	7200.0	82	47585	No
253	GOM_TRA_1PNPDK20110406_191245_000000443101_00157_47585_0407.N1	06-APR-2011 19:12:45	Bright	44.000	138	47Eps Vir	2.8280	4700.0	88	47585	No
254	GOM_TRA_1PNPDK20110406_192107_000000403101_00157_47585_0408.N1	06-APR-2011 19:21:07	Bright	39.500	152	12Alp2CVn	2.8900	11000.	79	47585	No
255	GOM_TRA_1PNPDK20110406_192425_000000523101_00157_47585_0409.N1	06-APR-2011 19:24:25	Bright	52.000	87	64Gam UMa	2.4330	11000.	104	47585	No
256	GOM_TRA_1PNPDK20110406_192558_000000393101_00157_47585_0410.N1	06-APR-2011 19:25:58	Bright	38.500	32	77Eps UMa	1.7630	11000.	77	47585	No
257	GOM_TRA_1PNPDK20110406_193221_000000383101_00157_47585_0411.N1	06-APR-2011 19:32:21	Bright	38.000	60	7Bet UMi	2.0810	3950.0	76	47585	No
258	GOM_TRA_1PNPDK20110406_193436_000000473101_00157_47585_0412.N1	06-APR-2011 19:34:36	Bright	46.500	119	14Eta Dra	2.7270	4700.0	93	47585	No
259	GOM_TRA_1PNPDK20110406_194205_000000373101_00157_47585_0413.N1	06-APR-2011 19:42:05	Bright	36.500	89	5Alp Cep	2.4510	8000.0	73	47585	No
260	GOM_TRA_1PNPDK20110406_194651_000000643101_00157_47585_0414.N1	06-APR-2011 19:46:51	Bright	63.500	144	18Del Cyg	2.8600	11000.	127	47585	No
261	GOM_TRA_1PNPDK20110406_194858_000000493101_00157_47585_0415.N1	06-APR-2011 19:48:58	Bright	49.000	66	37Gam Cyg	2.2080	5900.0	98	47585	No
262	GOM_TRA_1PNPDK20110406_195111_000000463101_00157_47585_0416.N1	06-APR-2011 19:51:11	Bright	46.000	92	53Eps Cyg	2.5000	4500.0	92	47585	No
263	GOM_TRA_1PNPDK20110406_195801_000000493101_00157_47585_0417.N1	06-APR-2011 19:58:01	Twilight	48.500	61	8Eps Peg	2.1000	3900.0	97	47585	No
264	GOM_TRA_1PNPDK20110406_200245_000000433101_00157_47585_0418.N1	06-APR-2011 20:02:45	Dark	43.000	154	22Bet Aqr	2.8990	5700.0	86	47585	No
265	GOM_TRA_1PNPDK20110406_201709_000000553101_00157_47585_0419.N1	06-APR-2011 20:17:09	Dark	54.500	103	38Zet Sgr	2.6000	9700.0	109	47585	No
266	GOM_TRA_1PNPDK20110406_202047_000000583101_00158_47586_0420.N1	06-APR-2011 20:20:47	Dark	58.000	38	20Eps Sgr	1.8360	11000.	116	47586	No
267	GOM_TRA_1PNPDK20110406_202459_000000603101_00158_47586_0421.N1	06-APR-2011 20:24:59	Dark	60.000	25	35Lam Sco	1.6200	28000.	120	47586	No
268	GOM_TRA_1PNPDK20110406_203228_000000453101_00158_47586_0422.N1	06-APR-2011 20:32:28	Straylight	44.500	78	Alp Lup	2.3040	28000.	89	47586	No
269	GOM_TRA_1PNPDE20110406_203404_000000493101_00158_47586_3254.N1	06-APR-2011 20:34:04	Straylight	48.500	81	Eta Cen	2.3560	28000.	97	47586	No
270	GOM_TRA_1PNPDE20110406_203637_000000503101_00158_47586_3255.N1	06-APR-2011 20:36:37	Straylight	50.000	54	5The Cen	2.0550	4500.0	100	47586	No
271	GOM_TRA_1PNPDE20110406_204211_000000453101_00158_47586_3256.N1	06-APR-2011 20:42:11	Twilight	44.500	106	9Bet Crv	2.6480	5600.0	89	47586	No
272	GOM_TRA_1PNPDE20110406_204415_000000453101_00158_47586_3257.N1	06-APR-2011 20:44:15	Twilight	45.000	163	7Del Crv	2.9450	11000.	90	47586	No
273	GOM_TRA_1PNPDE20110406_204540_000000533101_00158_47586_3258.N1	06-APR-2011 20:45:40	Bright	52.500	15	67Alp Vir	0.97600	28000.	105	47586	No
274	GOM_TRA_1PNPDE20110406_204848_000000393101_00158_47586_3259.N1	06-APR-2011 20:48:48	Bright	39.000	121	29Gam Vir	2.7400	7200.0	78	47586	No
275	GOM_TRA_1PNPDE20110406_205258_000000443101_00158_47586_3260.N1	06-APR-2011 20:52:58	Bright	44.000	138	47Eps Vir	2.8280	4700.0	88	47586	No
276	GOM_TRA_1PNPDE20110406_210120_000000403101_00158_47586_3261.N1	06-APR-2011 21:01:20	Bright	40.000	152	12Alp2CVn	2.8900	11000.	80	47586	No
277	GOM_TRA_1PNPDE20110406_210439_000000353101_00158_47586_3262.N1	06-APR-2011 21:04:39	Bright	35.000	87	64Gam UMa	2.4330	11000.	70	47586	No
278	GOM_TRA_1PNPDE20110406_210611_000000393101_00158_47586_3263.N1	06-APR-2011 21:06:11	Bright	38.500	32	77Eps UMa	1.7630	11000.	77	47586	No
279	GOM_TRA_1PNPDE20110406_211235_000000403101_00158_47586_3264.N1	06-APR-2011 21:12:35	Bright	40.000	60	7Bet UMi	2.0810	3950.0	80	47586	No
280	GOM_TRA_1PNPDE20110406_211450_000000493101_00158_47586_3265.N1	06-APR-2011 21:14:50	Bright	48.500	119	14Eta Dra	2.7270	4700.0	97	47586	No
281	GOM_TRA_1PNPDE20110406_212219_000000363101_00158_47586_3266.N1	06-APR-2011 21:22:19	Bright	35.500	89	5Alp Cep	2.4510	8000.0	71	47586	No
282	GOM_TRA_1PNPDE20110406_212704_000000513101_00158_47586_3267.N1	06-APR-2011 21:27:04	Bright	51.000	144	18Del Cyg	2.8600	11000.	102	47586	No
283	GOM_TRA_1PNPDE20110406_212912_000000683101_00158_47586_3268.N1	06-APR-2011 21:29:12	Bright	68.000	66	37Gam Cyg	2.2080	5900.0	136	47586	No
284	GOM_TRA_1PNPDE20110406_213125_000000463101_00158_47586_3269.N1	06-APR-2011 21:31:25	Bright	46.000	92	53Eps Cyg	2.5000	4500.0	92	47586	No
285	GOM_TRA_1PNPDE20110406_213815_000000483101_00158_47586_3270.N1	06-APR-2011 21:38:15	Twilight	48.000	61	8Eps Peg	2.1000	3900.0	96	47586	No
286	GOM_TRA_1PNPDE20110406_214300_000000463101_00158_47586_3271.N1	06-APR-2011 21:43:00	Dark	46.000	154	22Bet Aqr	2.8990	5700.0	92	47586	No
287	GOM_TRA_1PNPDE20110406_220103_000000603101_00159_47587_3265.N1	06-APR-2011 22:01:03	Dark	60.000	38	20Eps Sgr	1.8360	11000.	120	47587	No
288	GOM_TRA_1PNPDE20110406_220514_000000623101_00159_47587_3266.N1	06-APR-2011 22:05:14	Dark	62.000	25	35Lam Sco	1.6200	28000.	124	47587	No
289	GOM_TRA_1PNPDE20110406_221242_000000453101_00159_47587_3267.N1	06-APR-2011 22:12:42	Straylight	44.500	78	Alp Lup	2.3040	28000.	89	47587	No
290	GOM_TRA_1PNPDE20110406_221418_000000463101_00159_47587_3268.N1	06-APR-2011 22:14:18	Straylight	46.000	81	Eta Cen	2.3560	28000.	92	47587	No
291	GOM_TRA_1PNPDE20110406_221652_000000493101_00159_47587_3269.N1	06-APR-2011 22:16:52	Straylight	49.000	54	5The Cen	2.0550	4500.0	98	47587	No
292	GOM_TRA_1PNPDE20110406_222225_000000463101_00159_47587_3270.N1	06-APR-2011 22:22:25	Twilight	45.500	106	9Bet Crv	2.6480	5600.0	91	47587	No
293	GOM_TRA_1PNPDE20110406_222429_000000413101_00159_47587_3271.N1	06-APR-2011 22:24:29	Twilight	40.500	163	7Del Crv	2.9450	11000.	81	47587	No
294	GOM_TRA_1PNPDE20110406_222554_000000543101_00159_47587_3272.N1	06-APR-2011 22:25:54	Bright	53.500	15	67Alp Vir	0.97600	28000.	107	47587	No
295	GOM_TRA_1PNPDE20110406_222901_000000423101_00159_47587_3273.N1	06-APR-2011 22:29:01	Bright	41.500	121	29Gam Vir	2.7400	7200.0	83	47587	No
296	GOM_TRA_1PNPDE20110406_223312_000000433101_00159_47587_3274.N1	06-APR-2011 22:33:12	Bright	43.000	138	47Eps Vir	2.8280	4700.0	86	47587	No
297	GOM_TRA_1PNPDE20110406_224134_000000413101_00159_47587_3275.N1	06-APR-2011 22:41:34	Bright	40.500	152	12Alp2CVn	2.8900	11000.	81	47587	No
298	GOM_TRA_1PNPDE20110406_224453_000000373101_00159_47587_3276.N1	06-APR-2011 22:44:53	Bright	36.500	87	64Gam UMa	2.4330	11000.	73	47587	No
299	GOM_TRA_1PNPDE20110406_224625_000000383101_00159_47587_3277.N1	06-APR-2011 22:46:25	Bright	38.000	32	77Eps UMa	1.7630	11000.	76	47587	No
300	GOM_TRA_1PNPDE20110406_225248_000000413101_00159_47587_3278.N1	06-APR-2011 22:52:48	Bright	41.000	60	7Bet UMi	2.0810	3950.0	82	47587	No
301	GOM_TRA_1PNPDE20110406_225503_000000473101_00159_47587_3279.N1	06-APR-2011 22:55:03	Bright	47.000	119	14Eta Dra	2.7270	4700.0	94	47587	No
302	GOM_TRA_1PNPDE20110406_230233_000000383101_00159_47587_3280.N1	06-APR-2011 23:02:33	Bright	38.000	89	5Alp Cep	2.4510	8000.0	76	47587	No
303	GOM_TRA_1PNPDE20110406_230718_000000733101_00159_47587_3281.N1	06-APR-2011 23:07:18	Bright	73.000	144	18Del Cyg	2.8600	11000.	146	47587	No
304	GOM_TRA_1PNPDE20110406_230926_000000483101_00159_47587_3282.N1	06-APR-2011 23:09:26	Bright	48.000	66	37Gam Cyg	2.2080	5900.0	96	47587	No
305	GOM_TRA_1PNPDE20110406_231139_000000463101_00159_47587_3283.N1	06-APR-2011 23:11:39	Bright	46.000	92	53Eps Cyg	2.5000	4500.0	92	47587	No
306	GOM_TRA_1PNPDE20110406_231829_000000473101_00159_47587_3284.N1	06-APR-2011 23:18:29	Twilight	46.500	61	8Eps Peg	2.1000	3900.0	93	47587	No
307	GOM_TRA_1PNPDE20110406_232314_000000463101_00159_47587_3285.N1	06-APR-2011 23:23:14	Dark	45.500	154	22Bet Aqr	2.8990	5700.0	91	47587	No

308	GOM_TRA_1PNPDE20110406_234118_000000603101_00160_47588_3294.N1	06-APR-2011 23:41:18	Dark	60.000	38	20Eps Sgr	1.8360	11000.	120	47588	No
309	GOM_TRA_1PNPDE20110406_234530_000000603101_00160_47588_3295.N1	06-APR-2011 23:45:30	Dark	60.000	25	35Lam Sco	1.6200	28000.	120	47588	No
310	GOM_TRA_1PNPDE20110406_235257_000000443101_00160_47588_3296.N1	06-APR-2011 23:52:57	Straylight	44.000	78	Alp Lup	2.3040	28000.	88	47588	No
311	GOM_TRA_1PNPDE20110406_235433_000000473101_00160_47588_3297.N1	06-APR-2011 23:54:33	Straylight	47.000	81	Eta Cen	2.3560	28000.	94	47588	No
312	GOM_TRA_1PNPDE20110406_235706_000000473101_00160_47588_3298.N1	06-APR-2011 23:57:06	Straylight	47.000	54	5The Cen	2.0550	4500.0	94	47588	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).

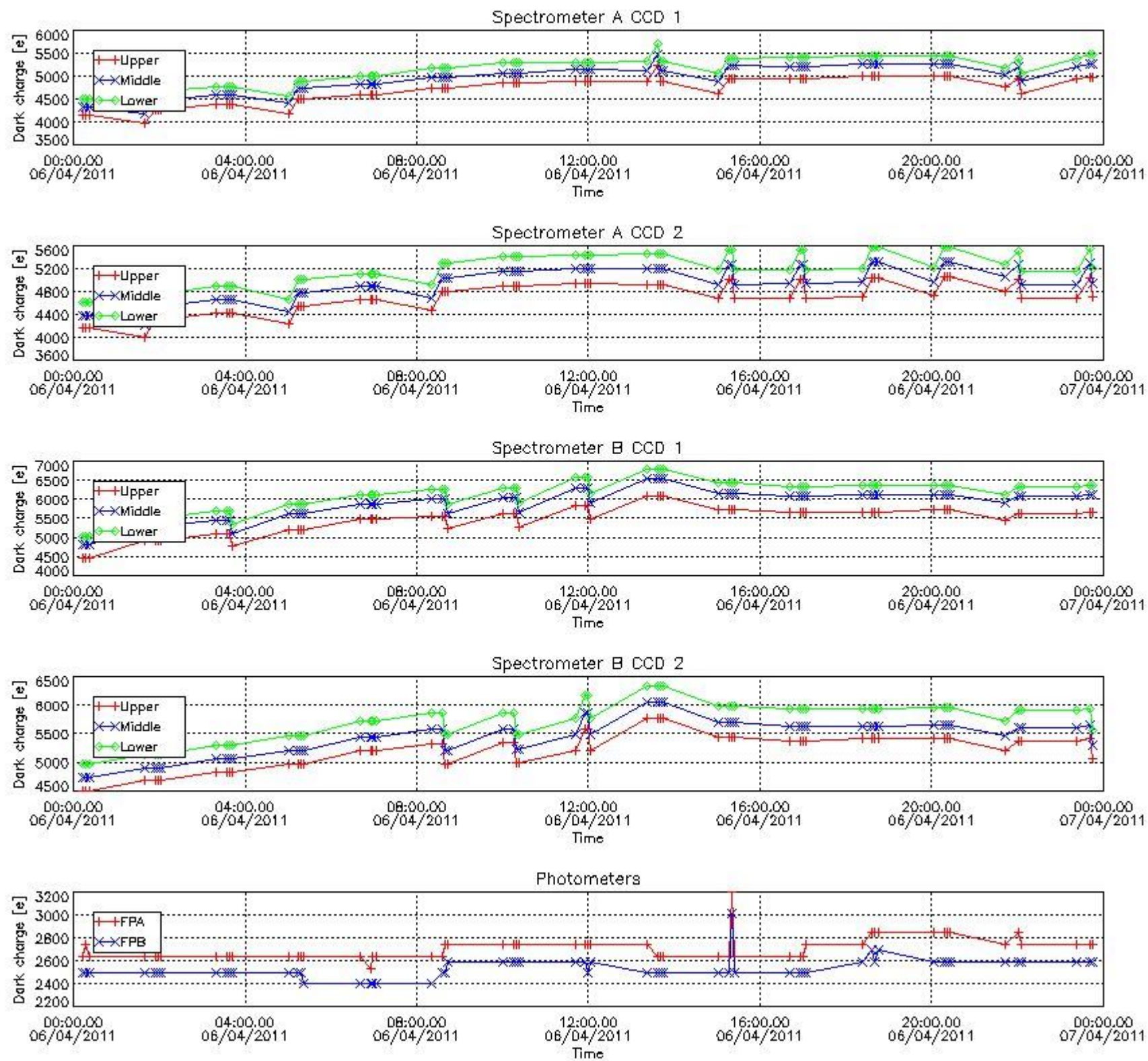
In this section a list of products that did not use the Dark Sky Area (DSA) observation for the DC computation is given. It is also provided the mean DC plot per product for dark limb products with no error flag set.

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

Product name	DC information
GOM_TRA_1PNPDE20110406_203404_000000493101_00158_47586_3254.N1	DC map used
GOM_TRA_1PNPDE20110406_203637_000000503101_00158_47586_3255.N1	DC map used
GOM_TRA_1PNPDE20110406_204211_000000453101_00158_47586_3256.N1	DC map used
GOM_TRA_1PNPDE20110406_204415_000000453101_00158_47586_3257.N1	DC map used
GOM_TRA_1PNPDE20110406_204540_000000533101_00158_47586_3258.N1	DC map used

GOM_TRA_1PNPDE20110406_204848_000000393101_00158_47586_3259.N1	DC map used
GOM_TRA_1PNPDE20110406_205258_000000443101_00158_47586_3260.N1	DC map used
GOM_TRA_1PNPDE20110406_210120_000000403101_00158_47586_3261.N1	DC map used
GOM_TRA_1PNPDE20110406_210439_000000353101_00158_47586_3262.N1	DC map used
GOM_TRA_1PNPDE20110406_210611_000000393101_00158_47586_3263.N1	DC map used
GOM_TRA_1PNPDE20110406_211235_000000403101_00158_47586_3264.N1	DC map used
GOM_TRA_1PNPDE20110406_211450_000000493101_00158_47586_3265.N1	DC map used
GOM_TRA_1PNPDE20110406_212219_000000363101_00158_47586_3266.N1	DC map used
GOM_TRA_1PNPDE20110406_212704_000000513101_00158_47586_3267.N1	DC map used
GOM_TRA_1PNPDE20110406_212912_000000683101_00158_47586_3268.N1	DC map used
GOM_TRA_1PNPDE20110406_213125_000000463101_00158_47586_3269.N1	DC map used
GOM_TRA_1PNPDE20110406_213815_000000483101_00158_47586_3270.N1	DC map used
GOM_TRA_1PNPDE20110406_214300_000000463101_00158_47586_3271.N1	DC map used

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



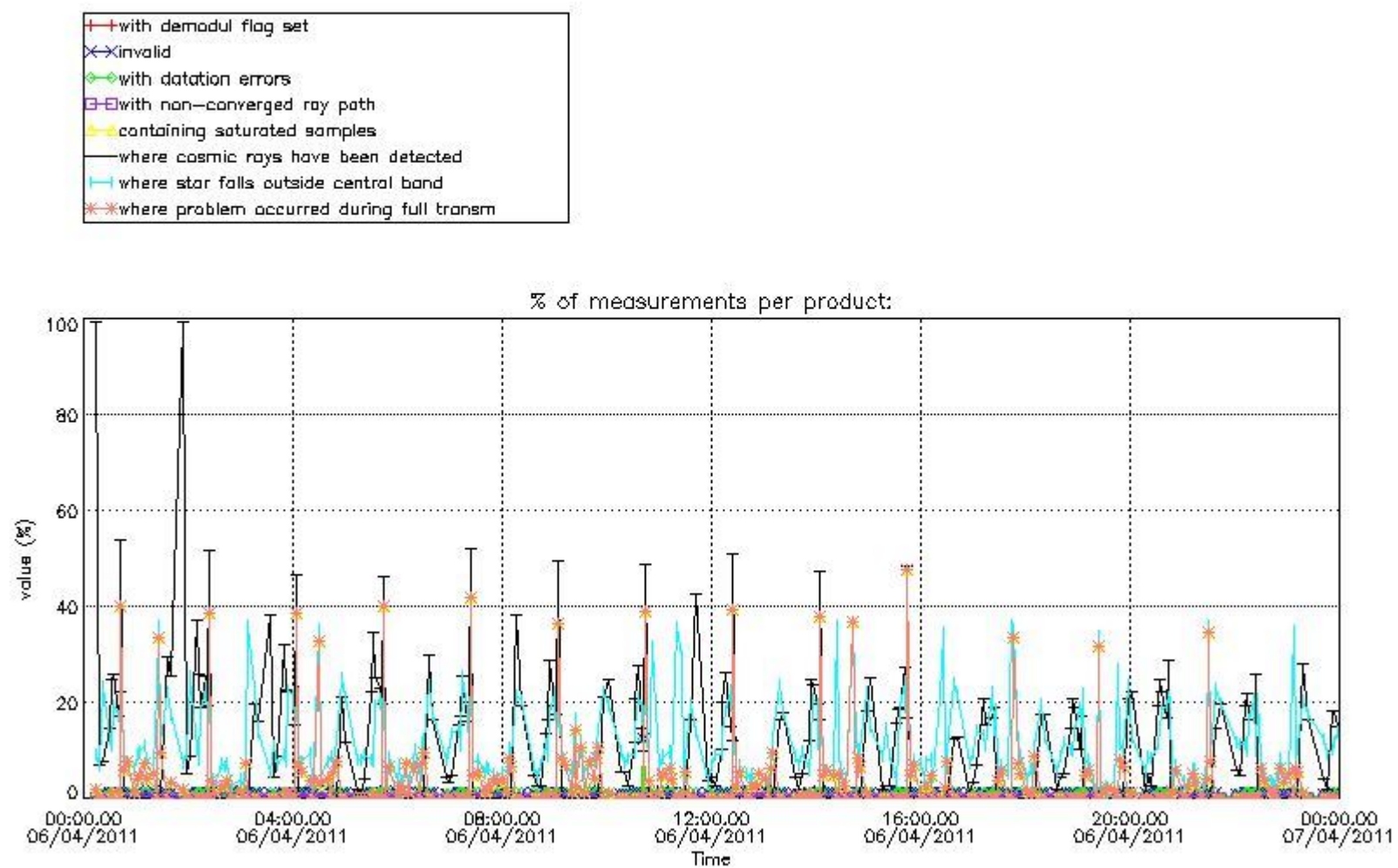
5. Demodulation flag and quality information monitoring

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.

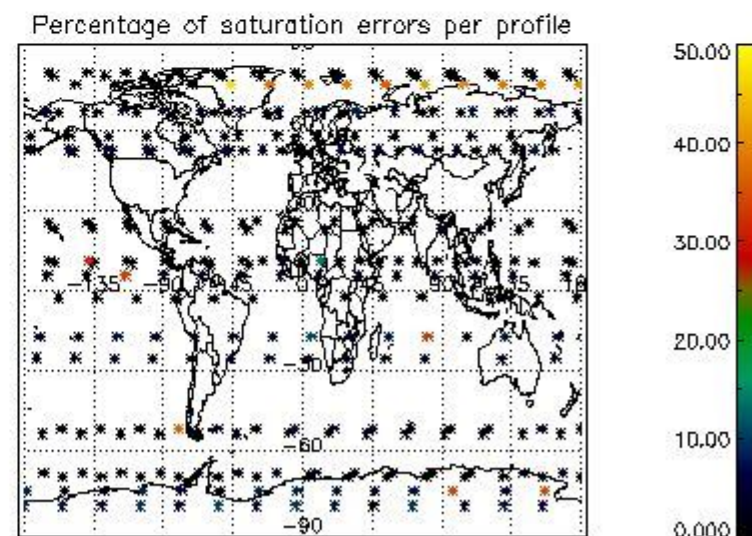
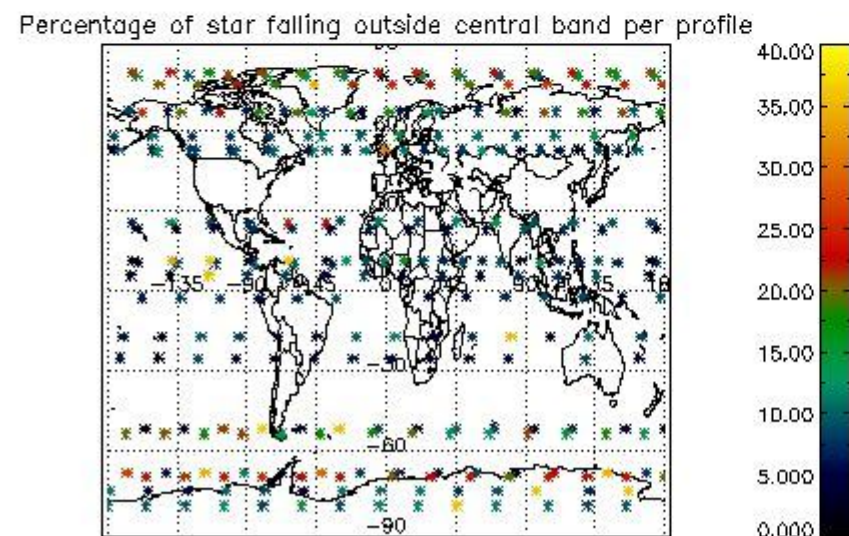
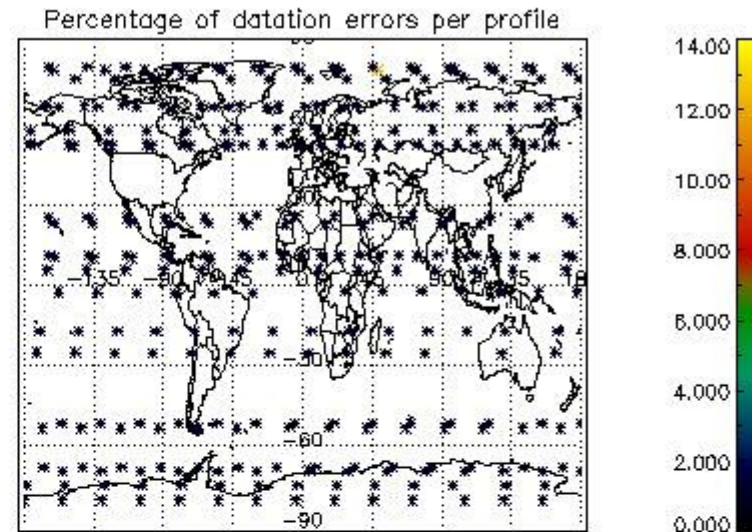
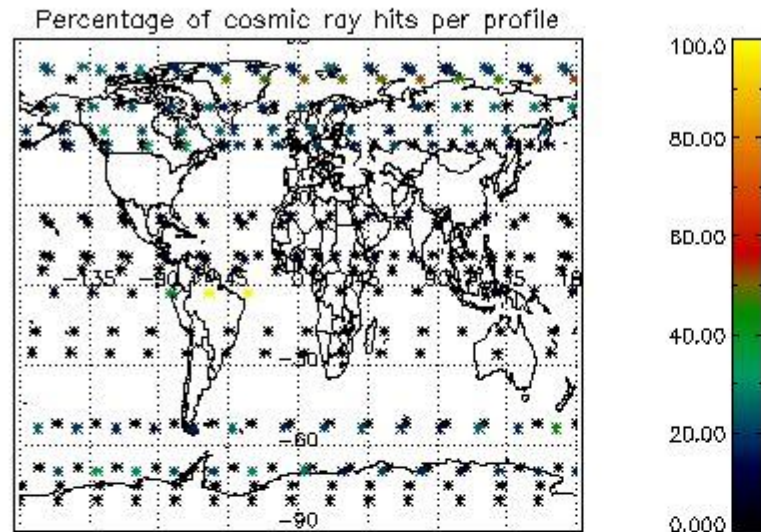
5.1 Percentage of products during reporting period with:

At least one measurement with demodulation flag set:	40.3226 %
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)



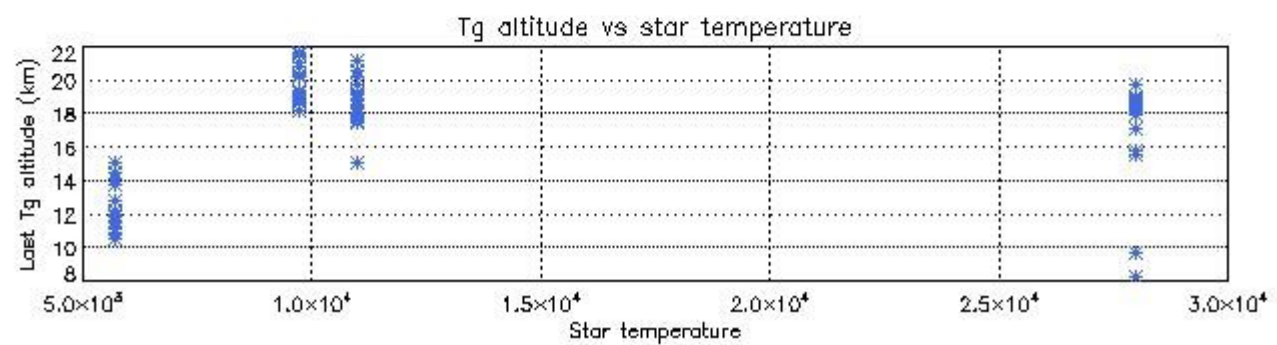
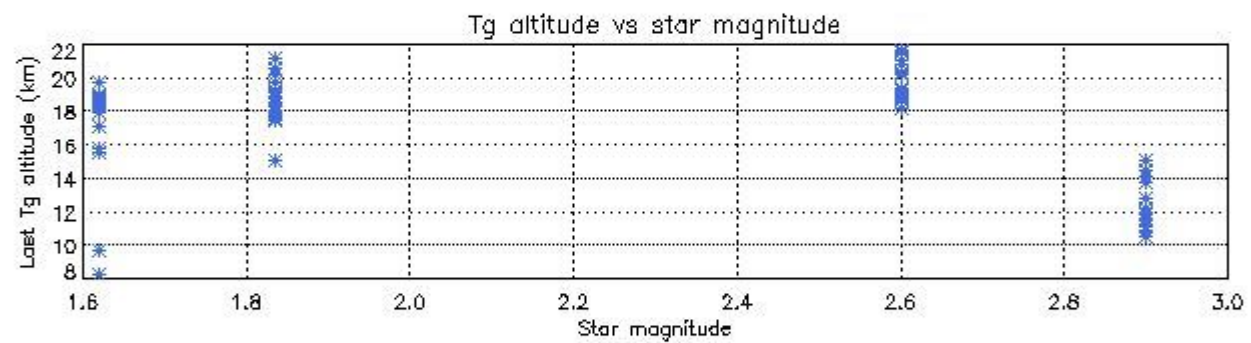
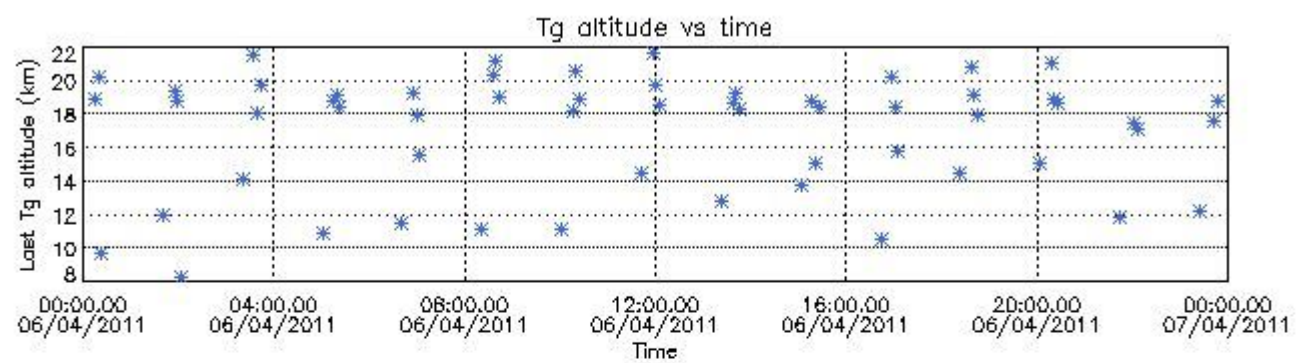
6. Statistics and plot of tangent altitude of the last measurement (DARK & BRIGHT products without errors)

6.1 Statistics on tangent altitude lost:

Statistics	DARK	BRIGHT	TWILIGHT
Mean:	16.975	18.298	NaN
St. deviation:	3.4519	5.8867	NaN
Maximum:	21.590	26.858	NaN
Minimum:	8.2970	2.8762	NaN
Number of data:	57.000	167.00	NaN

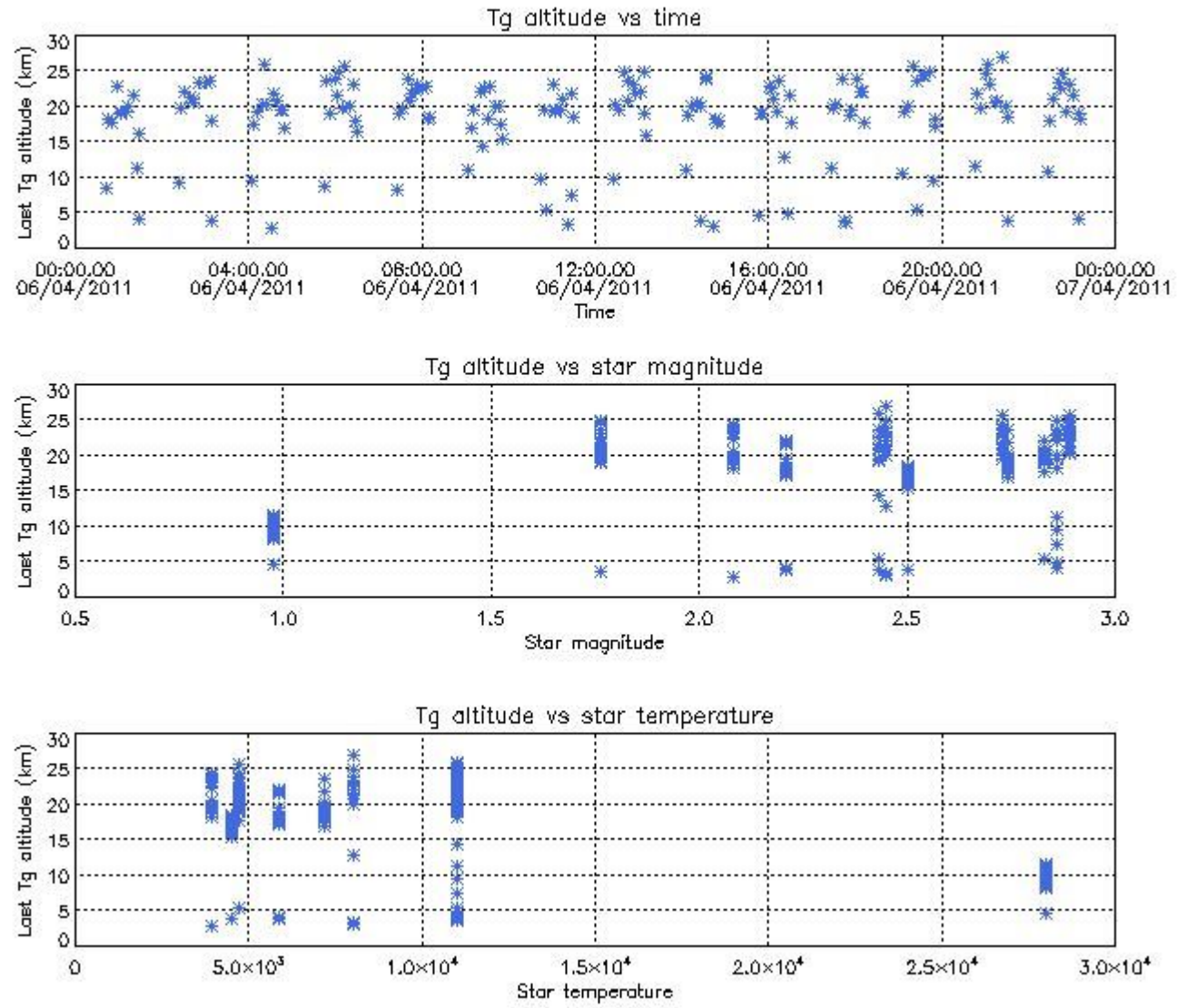
6.2 Plot for DARK limb products

Tangent altitude at which the star is lost



6.3 Plot for BRIGHT limb products

Tangent altitude at which the star is lost

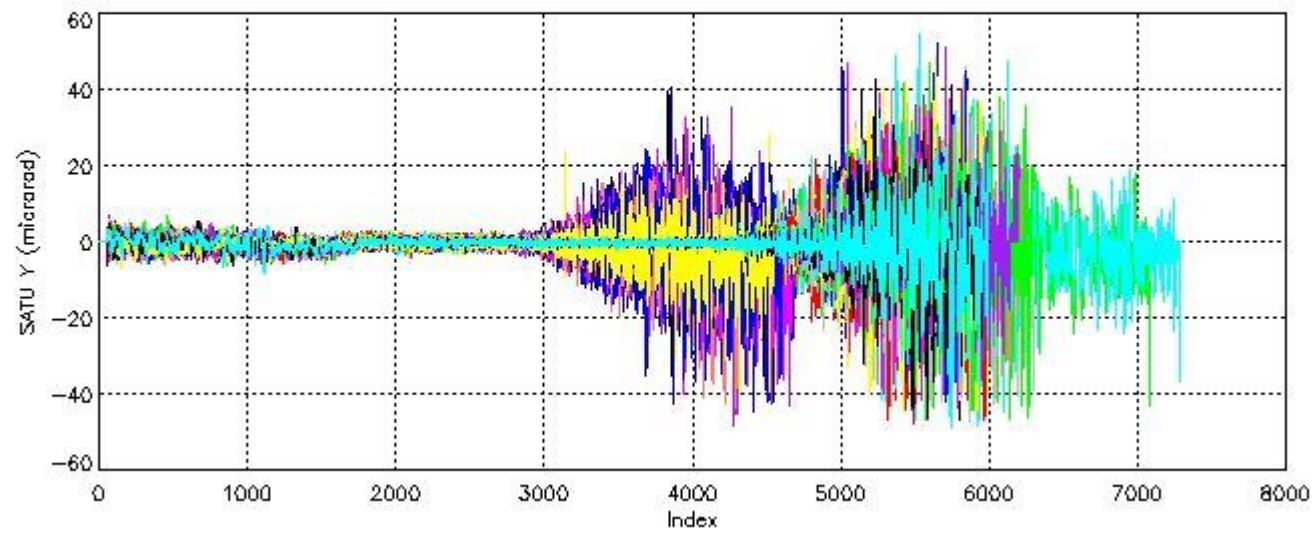
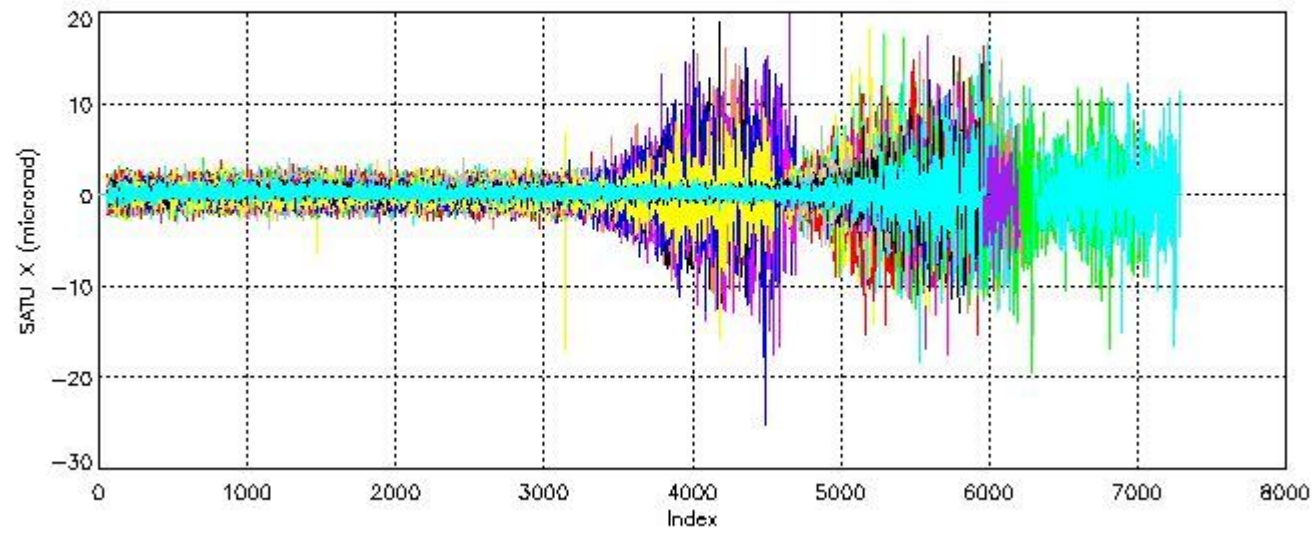


7. Star Acquisition and Tracking Unit (SATU)

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:	0.21948	-0.71675	0.23541	-0.99139
St. deviation:	0.64390	1.1953	0.82729	1.3753
Maximum:	4.0000	6.7000	19.700	24.200
Minimum:	-3.6000	-8.5000	-6.2000	-12.700

Number of data:	73650.	73650.	1.6725E+05	1.6725E+05
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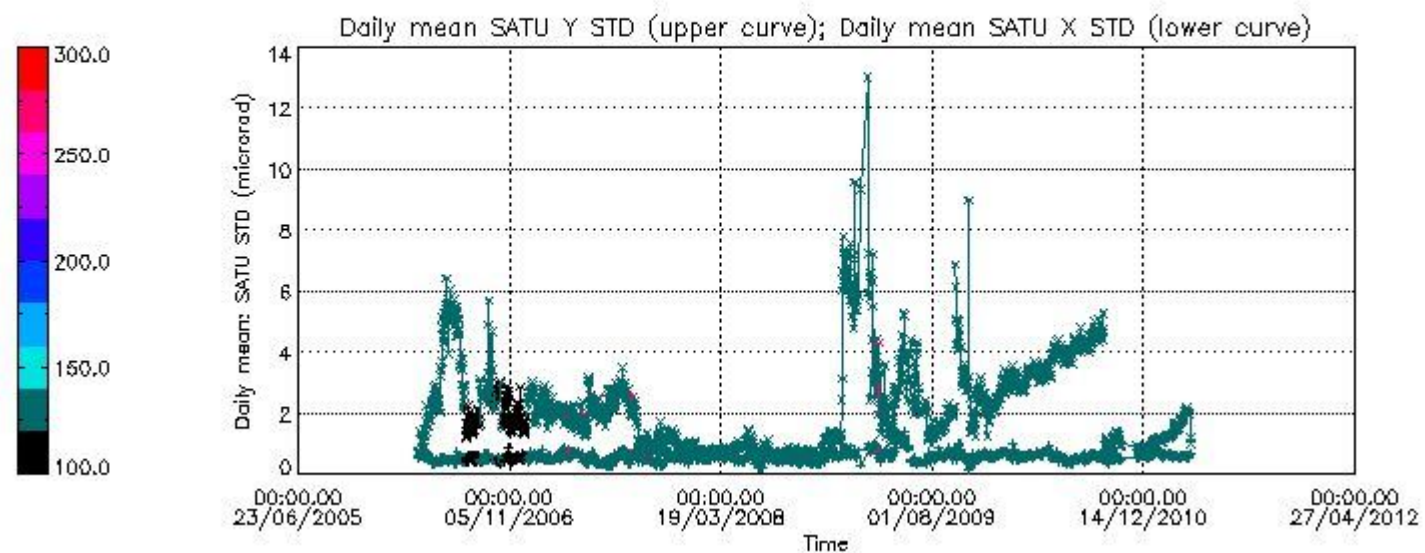
7.2.2 Trend of daily SATU NEA St. deviation since 1st April 2006 (dark limb)

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

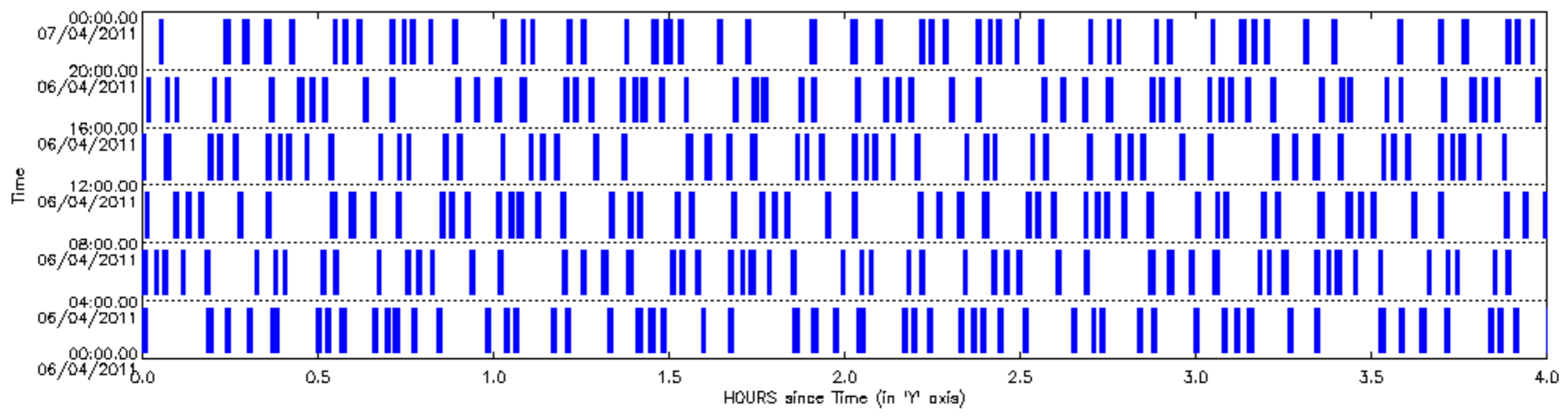


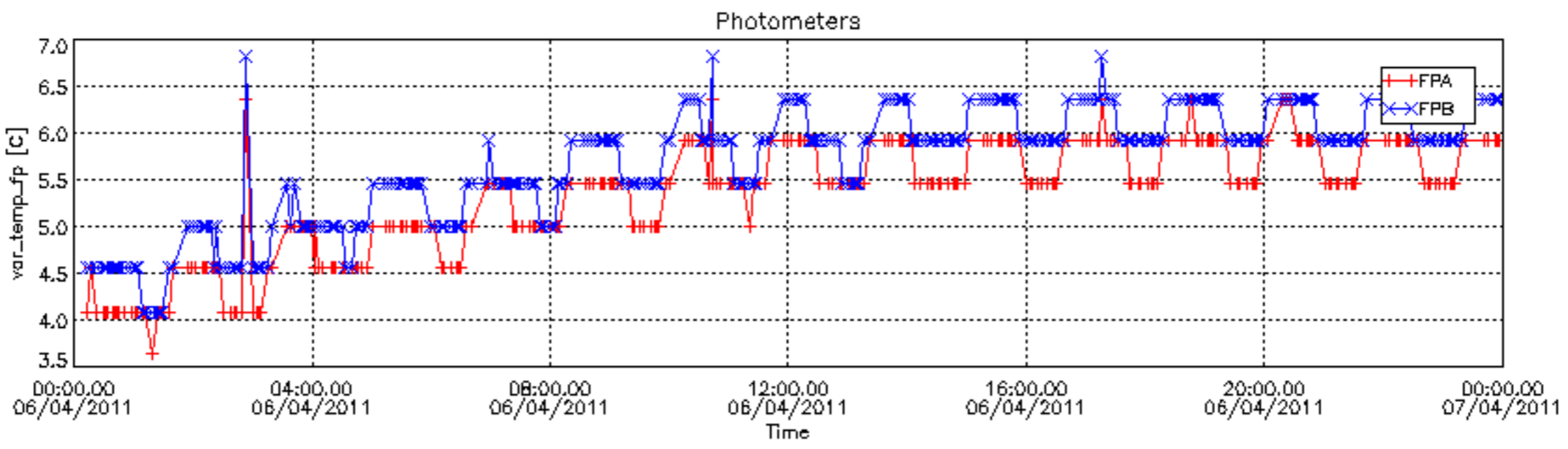
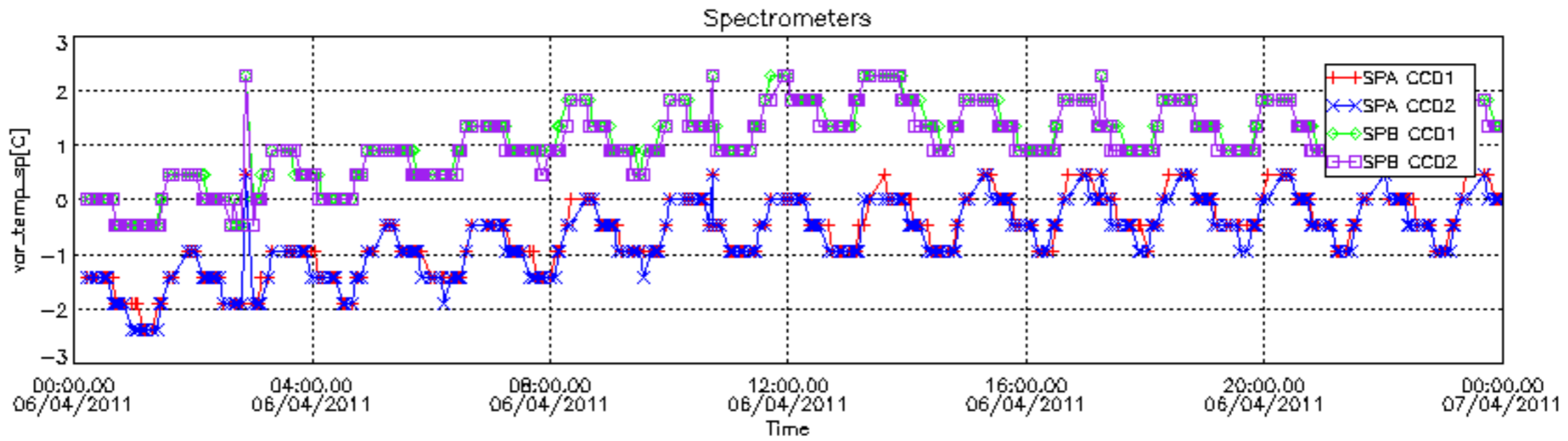
8. Auxiliary Data Files used for the production reported in section 2.4

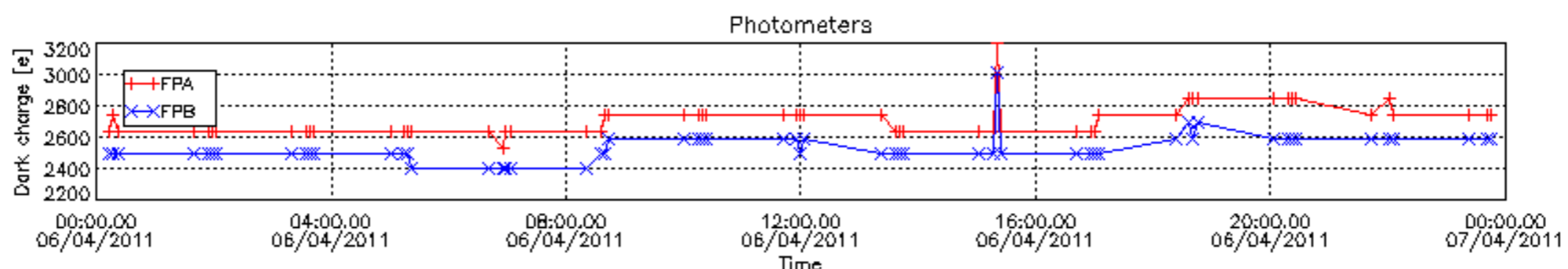
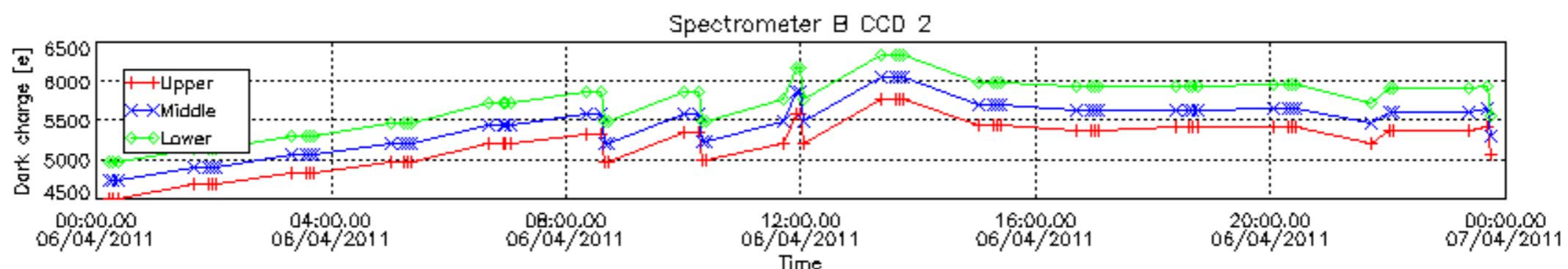
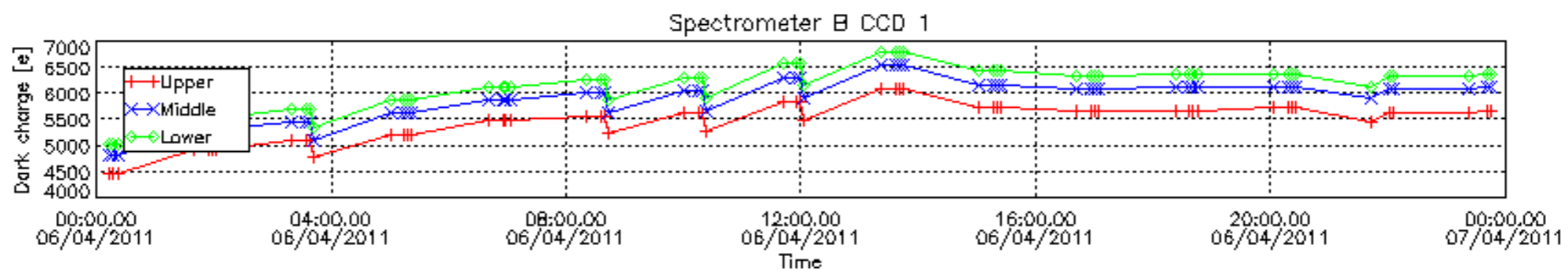
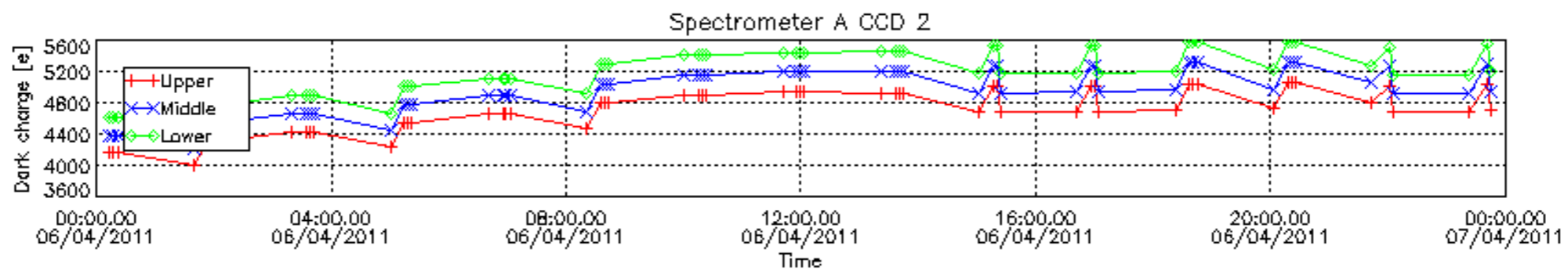
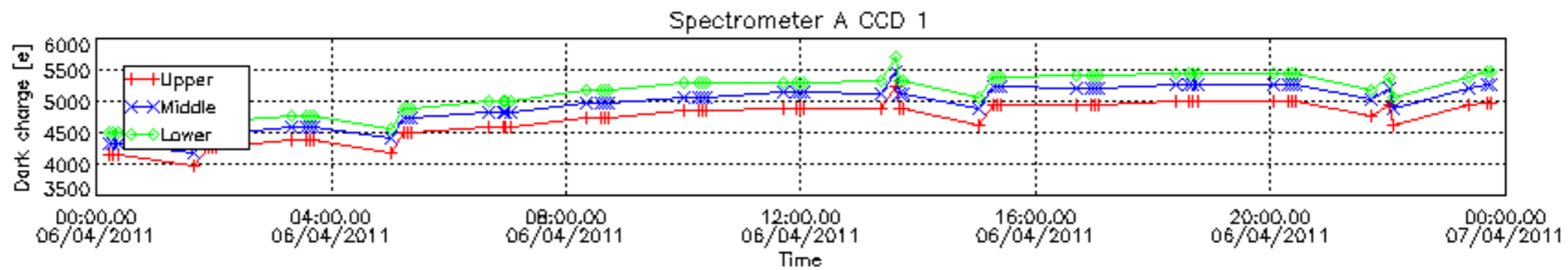
The number reported in the third column indicates since which file (see list in section 2.4) the corresponding auxiliary file has been used. The fourth column is the date of those product files.

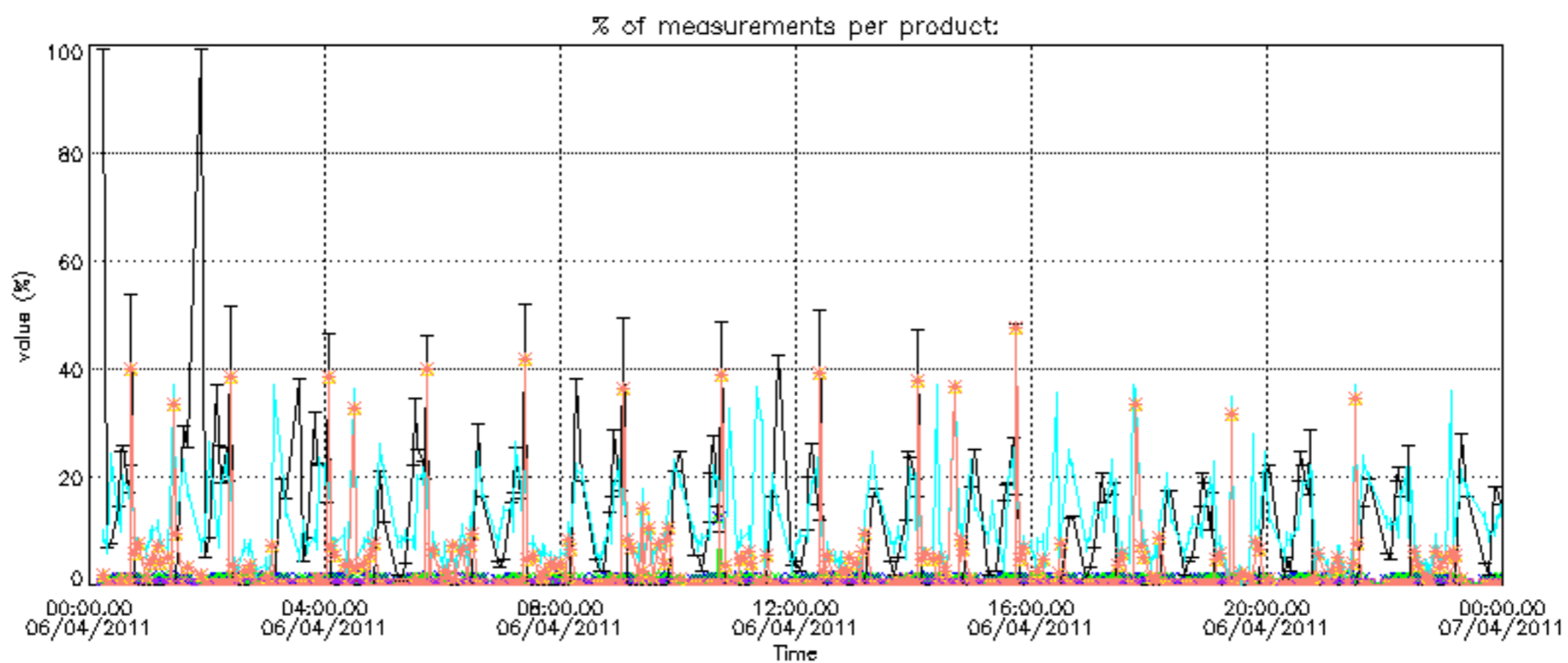
Type	Auxiliary Filename	Used since product	Used since product date
INST_PHYS_CHARACTERISTICS	GOM_INS_AXVIEC20091111_143220_20030716_120000_20500101_000000	1	06-APR-2011 00:14:05
CALIBRATION_DATABASE	GOM_CAL_AXVIEC20110329_092027_20110328_000000_20500101_000000	1	06-APR-2011 00:14:05
LEVEL-1B_PROC_CONFIG	GOM_PR1_AXVIEC20091111_145255_20020301_000000_20500101_000000	1	06-APR-2011 00:14:05
STAR_CATALOGUE	GOM_CAT_AXVIEC20020121_161009_20020101_000000_20200101_000000	1	06-APR-2011 00:14:05
STELLAR_SPECTRA_DATABANK	GOM_STS_AXVIEC20091111_151504_20020101_160000_20500101_000000	1	06-APR-2011 00:14:05
ECMWF_FILE	AUX_ECF_AXNECM20110405_062115_20110405_210000_20110406_090000	1	06-APR-2011 00:14:05
ECMWF_FILE	AUX_ECF_AXNECM20110405_181730_20110406_030000_20110406_150000	61	06-APR-2011 04:40:00
ECMWF_FILE	AUX_ECA_AXNECM20110406_062628_20110405_210000_20110406_090000	83	06-APR-2011 06:20:14
ECMWF_FILE	AUX_ECF_AXNECM20110405_181730_20110406_030000_20110406_150000	97	06-APR-2011 07:23:48
ECMWF_FILE	AUX_ECF_AXNECM20110406_062629_20110406_090000_20110406_210000	119	06-APR-2011 09:04:02
ECMWF_FILE	AUX_ECF_AXNECM20110406_062629_20110406_150000_20110407_030000	204	06-APR-2011 15:35:54
ECMWF_FILE	AUX_ECA_AXNECM20110406_181649_20110406_090000_20110406_210000	226	06-APR-2011 17:16:09
ECMWF_FILE	AUX_ECF_AXNECM20110406_062629_20110406_150000_20110407_030000	269	06-APR-2011 20:34:04
ECMWF_FILE	AUX_ECF_AXNECM20110406_062630_20110406_210000_20110407_090000	287	06-APR-2011 22:01:03
OPTIONAL_ECMWF_FILE	MISSING	1	06-APR-2011 00:14:05
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20110405_235904_000054193101_00145_47573_2832.N1	1	06-APR-2011 00:14:05
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20110406_013442_000041443101_00146_47574_2833.N1	21	06-APR-2011 01:35:23
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20110406_024905_000057383101_00147_47575_2834.N1	38	06-APR-2011 02:52:24
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20110406_043002_000057383101_00148_47576_2835.N1	61	06-APR-2011 04:40:00
ORBIT_DATA_FILE	DOR_NAV_OPNPDK20110406_061059_000038263101_00149_47577_4231.N1	83	06-APR-2011 06:20:14

ORBIT_DATA_FILE	DOR_NAV_OPNPK20110406_072004_000057383101_00150_47578_4232.N1	97	06-APR-2011 07:23:48
ORBIT_DATA_FILE	AUX_FPO_AXVPDS20110405_101730_20110404_195058_20110414_202433	119	06-APR-2011 09:04:02
ORBIT_DATA_FILE	DOR_NAV_OPNPK20110406_090101_000057383101_00151_47579_4233.N1	139	06-APR-2011 10:40:46
ORBIT_DATA_FILE	AUX_FPO_AXVPDS20110405_101730_20110404_195058_20110414_202433	140	06-APR-2011 10:42:50
ORBIT_DATA_FILE	DOR_NAV_OPNPK20110406_135833_000054193101_00154_47582_4236.N1	183	06-APR-2011 14:01:14
ORBIT_DATA_FILE	DOR_NAV_OPNPK20110406_153411_000057383101_00155_47583_4237.N1	204	06-APR-2011 15:35:54
ORBIT_DATA_FILE	DOR_NAV_OPNPK20110406_171508_000054193101_00156_47584_4238.N1	226	06-APR-2011 17:16:09
ORBIT_DATA_FILE	DOR_NAV_OPNPK20110406_185047_000057383101_00157_47585_4239.N1	248	06-APR-2011 18:56:23
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20110406_203144_000041443101_00158_47586_2836.N1	269	06-APR-2011 20:34:04
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20110406_214048_000060573101_00158_47586_2837.N1	287	06-APR-2011 22:01:03
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20110406_232704_000054193101_00159_47587_2838.N1	308	06-APR-2011 23:41:18

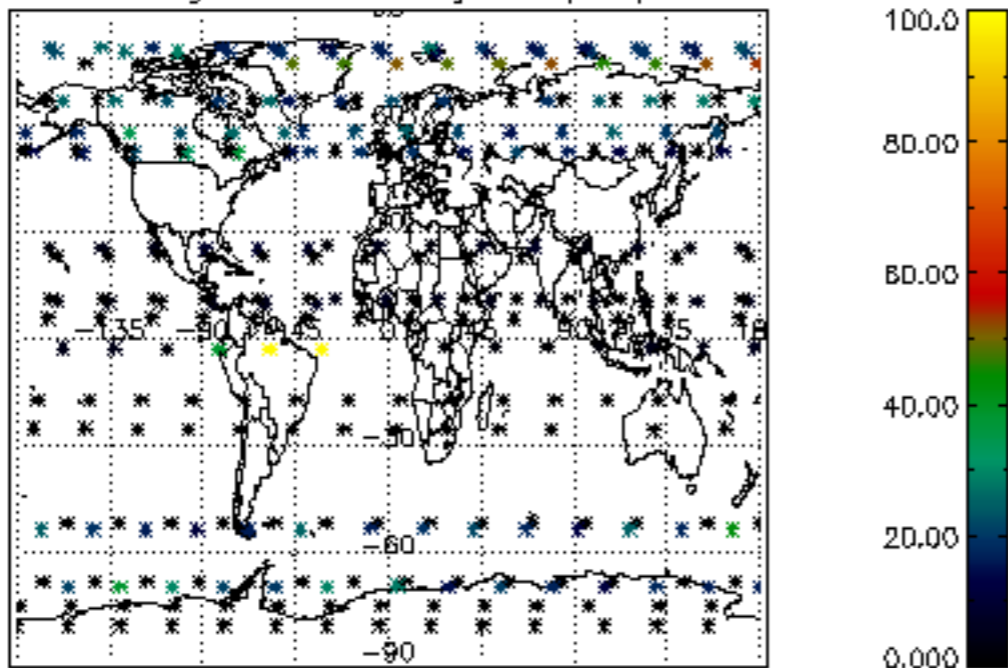




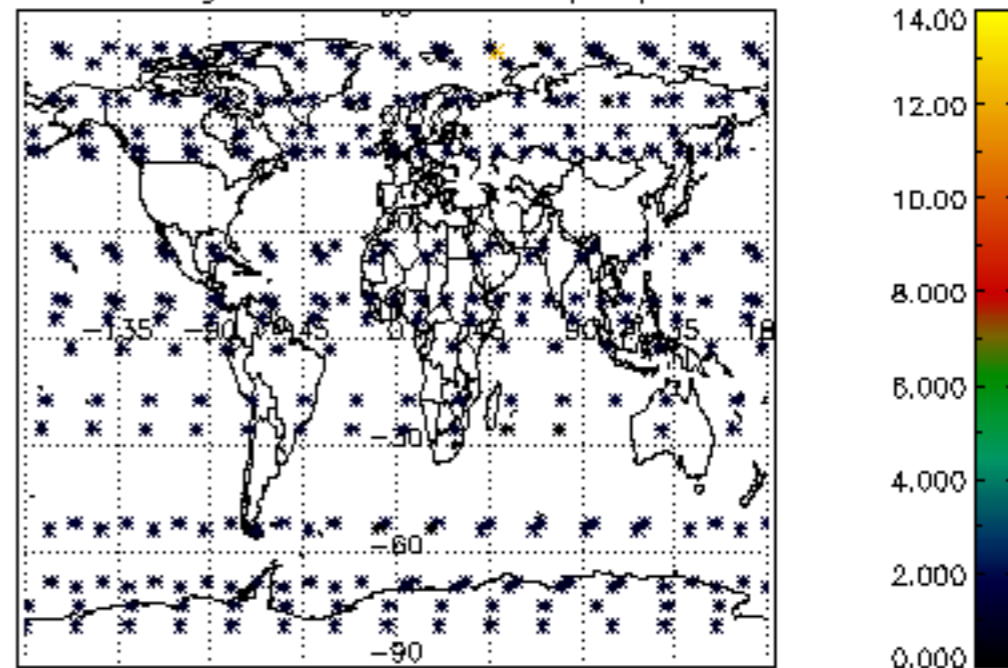




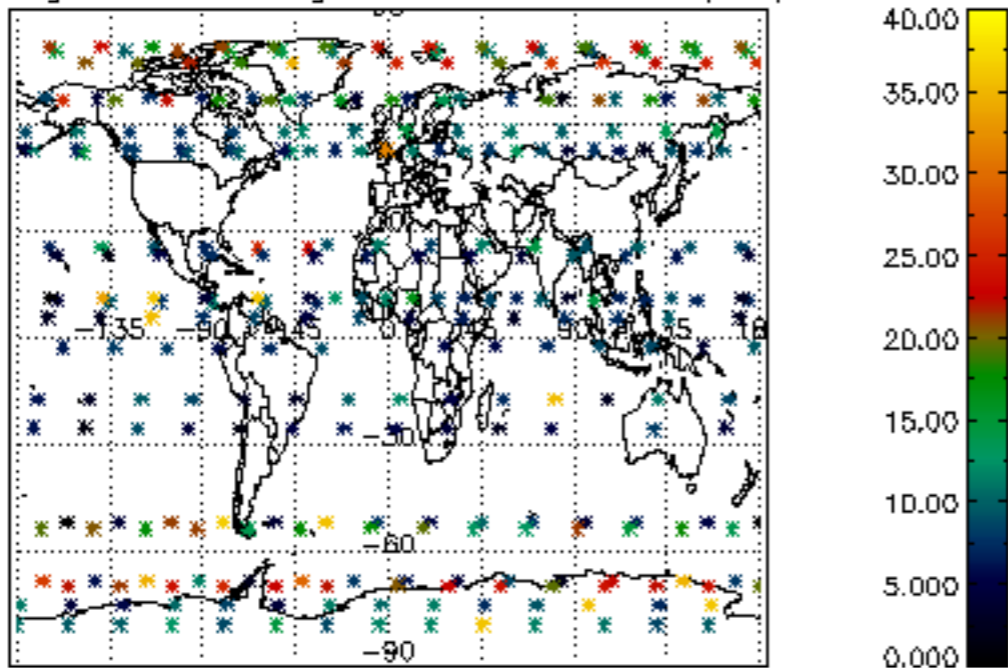
Percentage of cosmic ray hits per profile



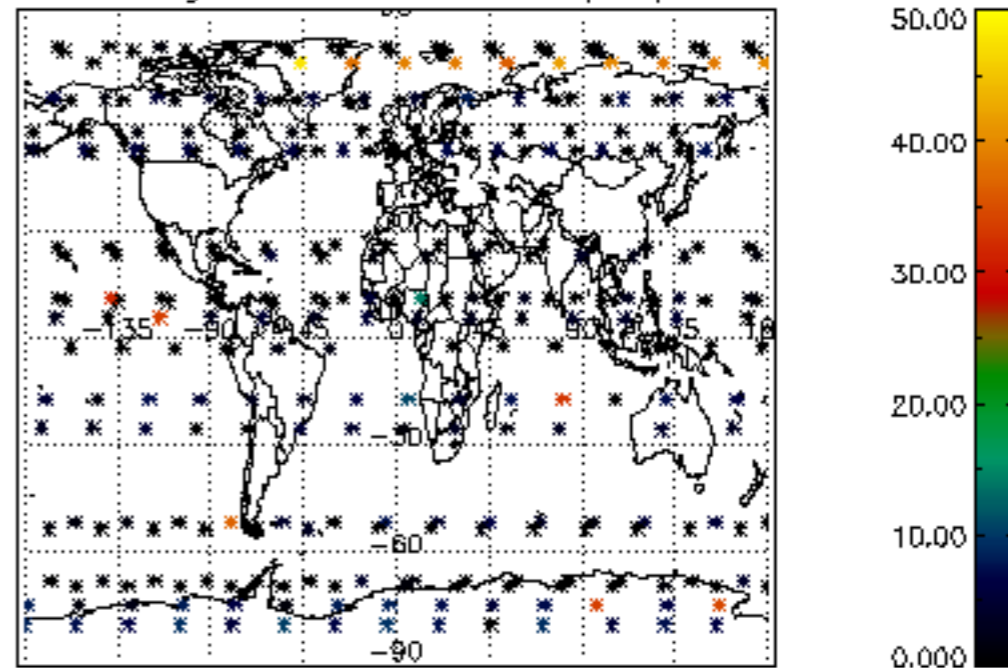
Percentage of datation errors per profile



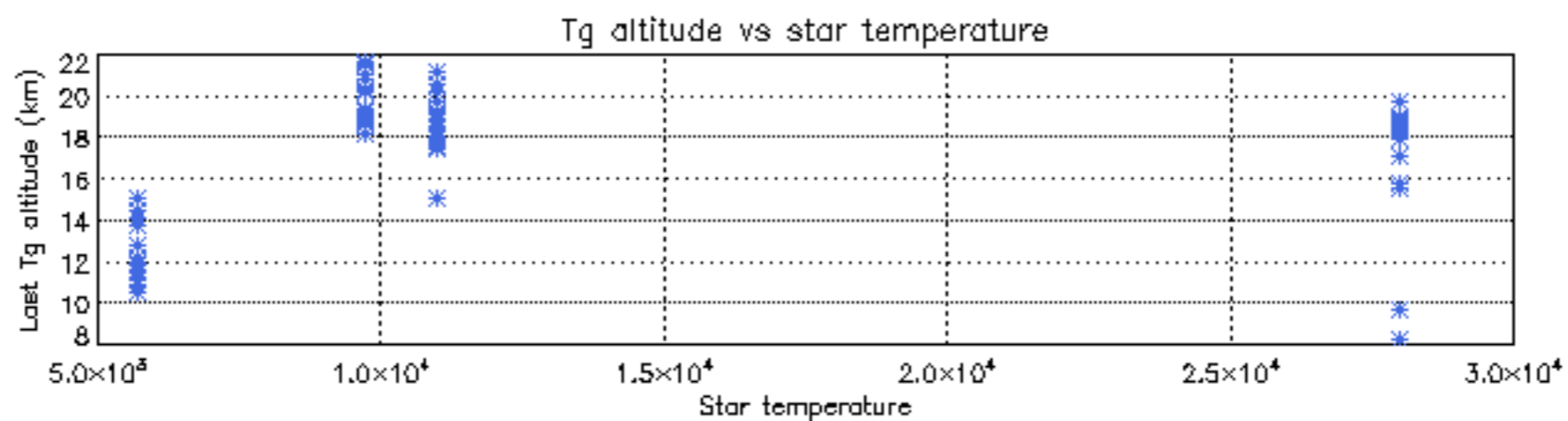
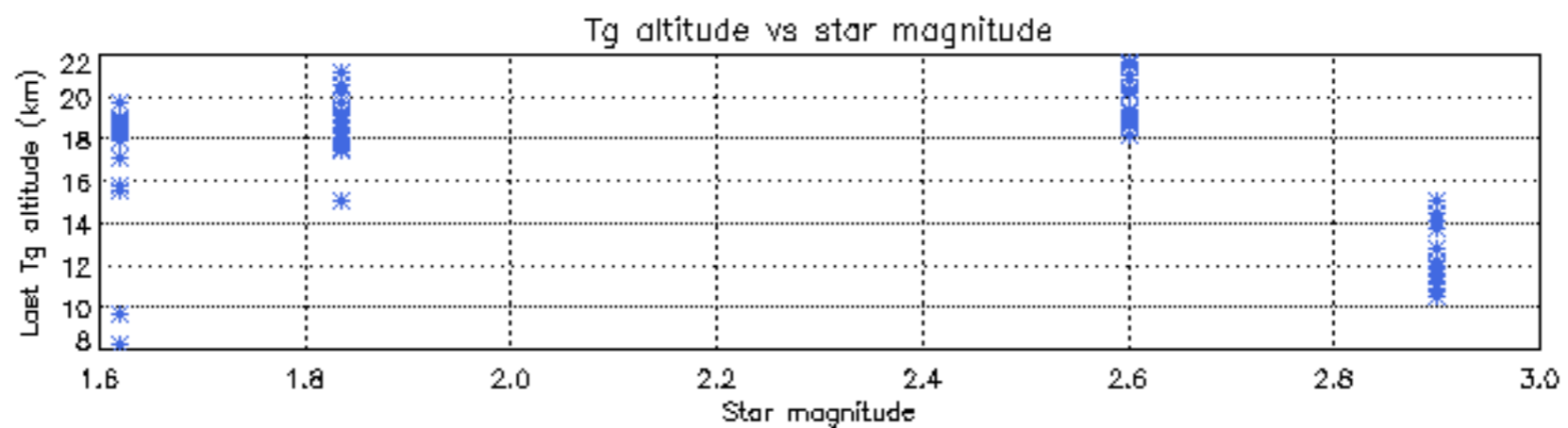
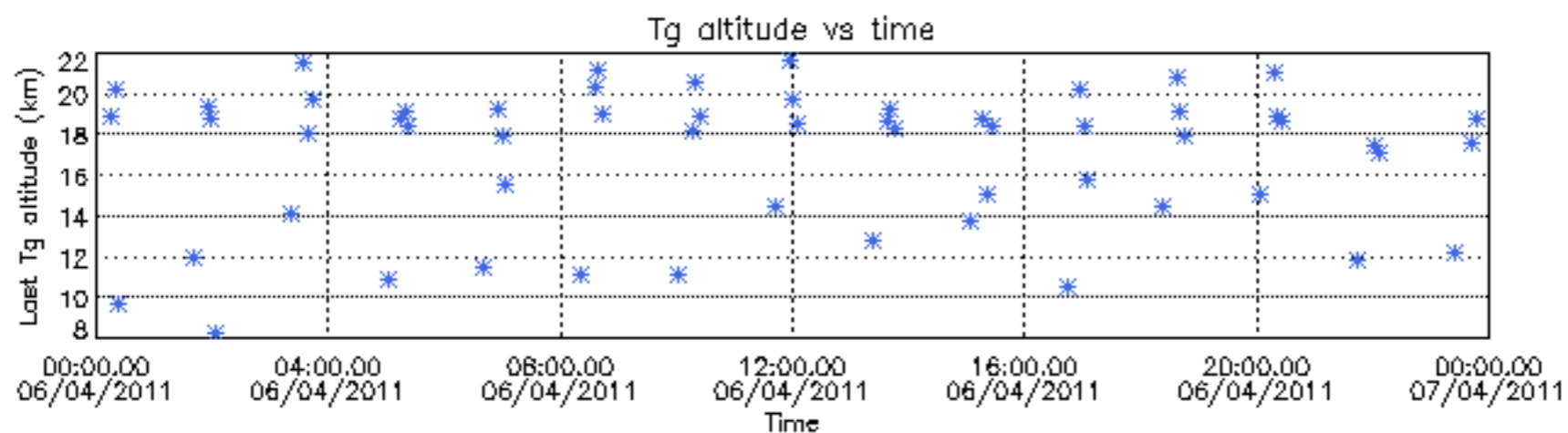
Percentage of star falling outside central band per profile



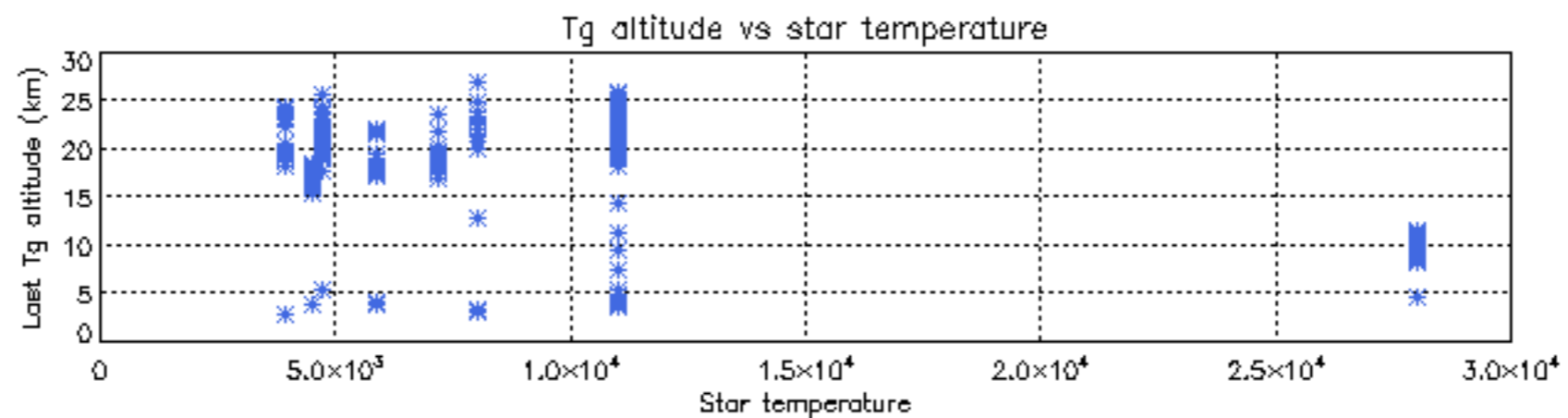
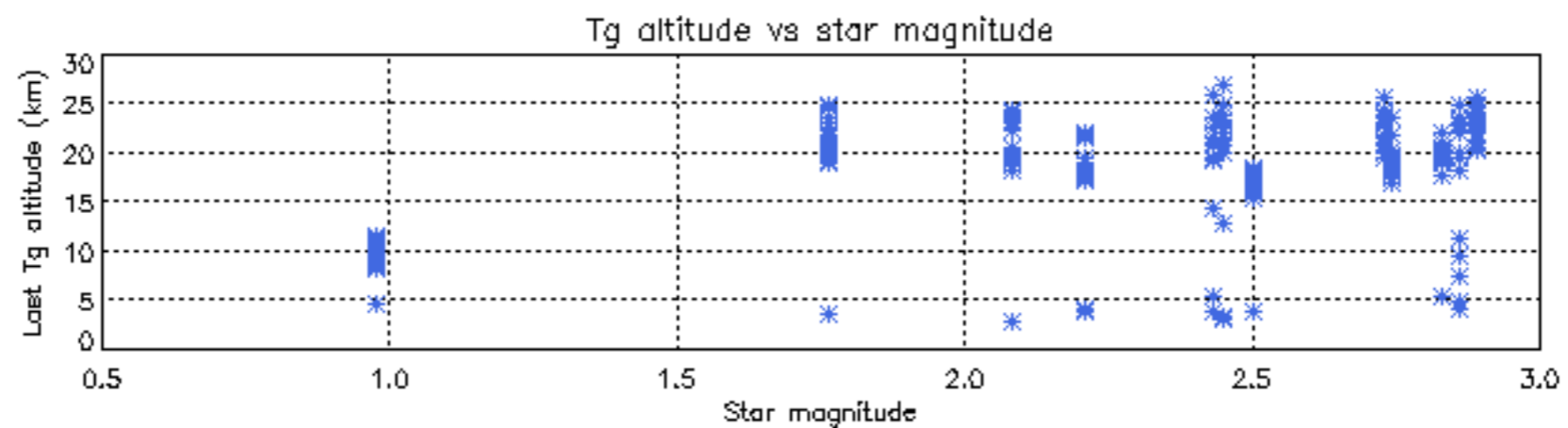
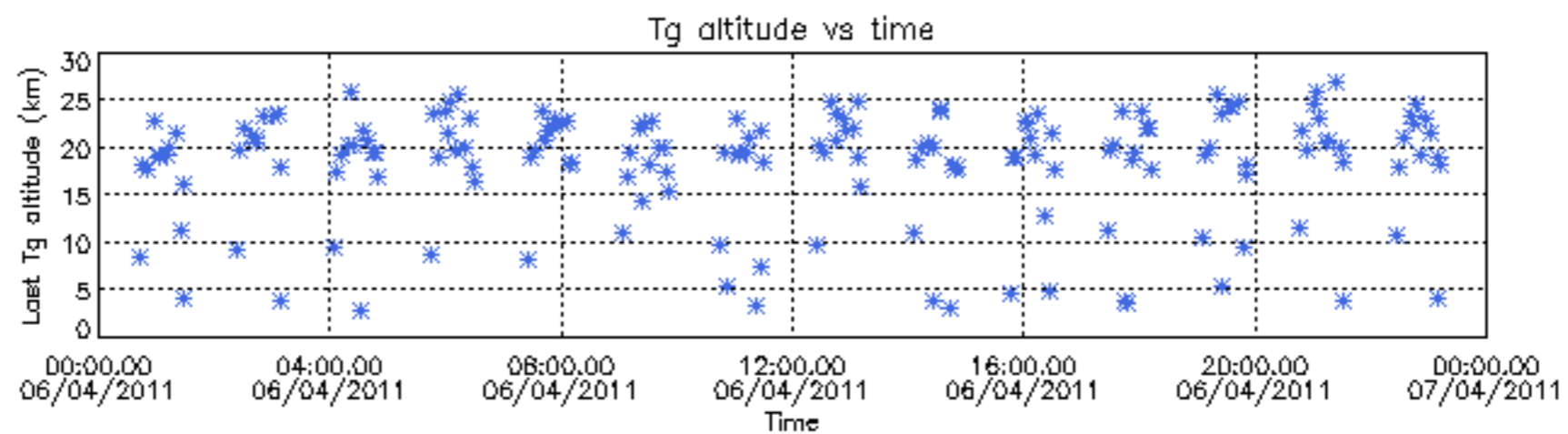
Percentage of saturation errors per profile

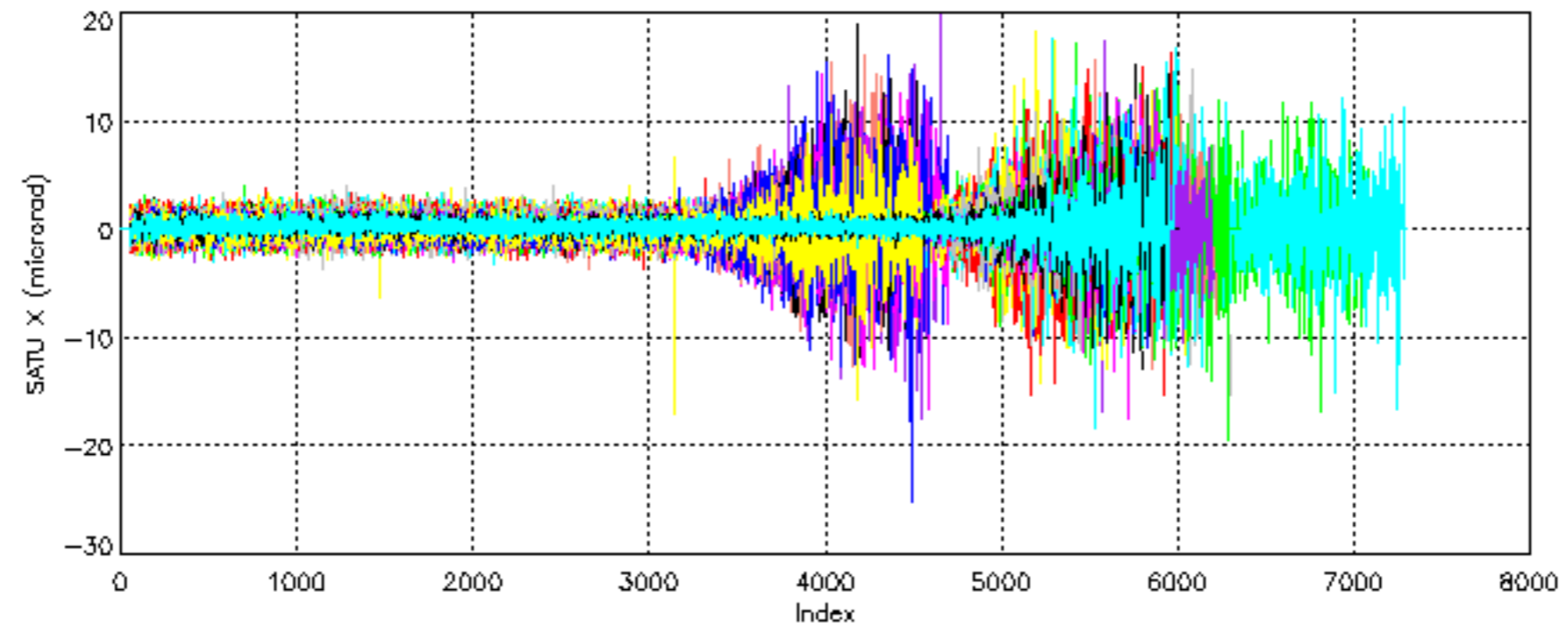


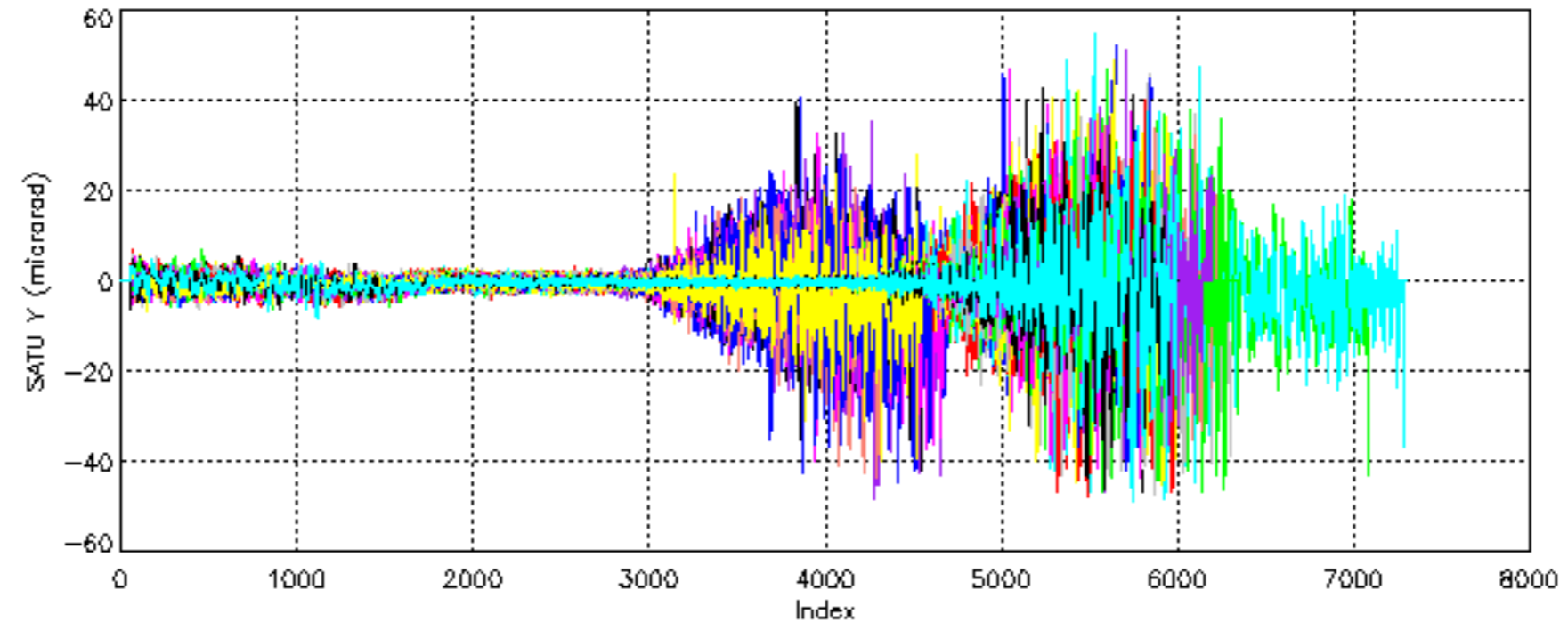
Tangent altitude at which the star is lost

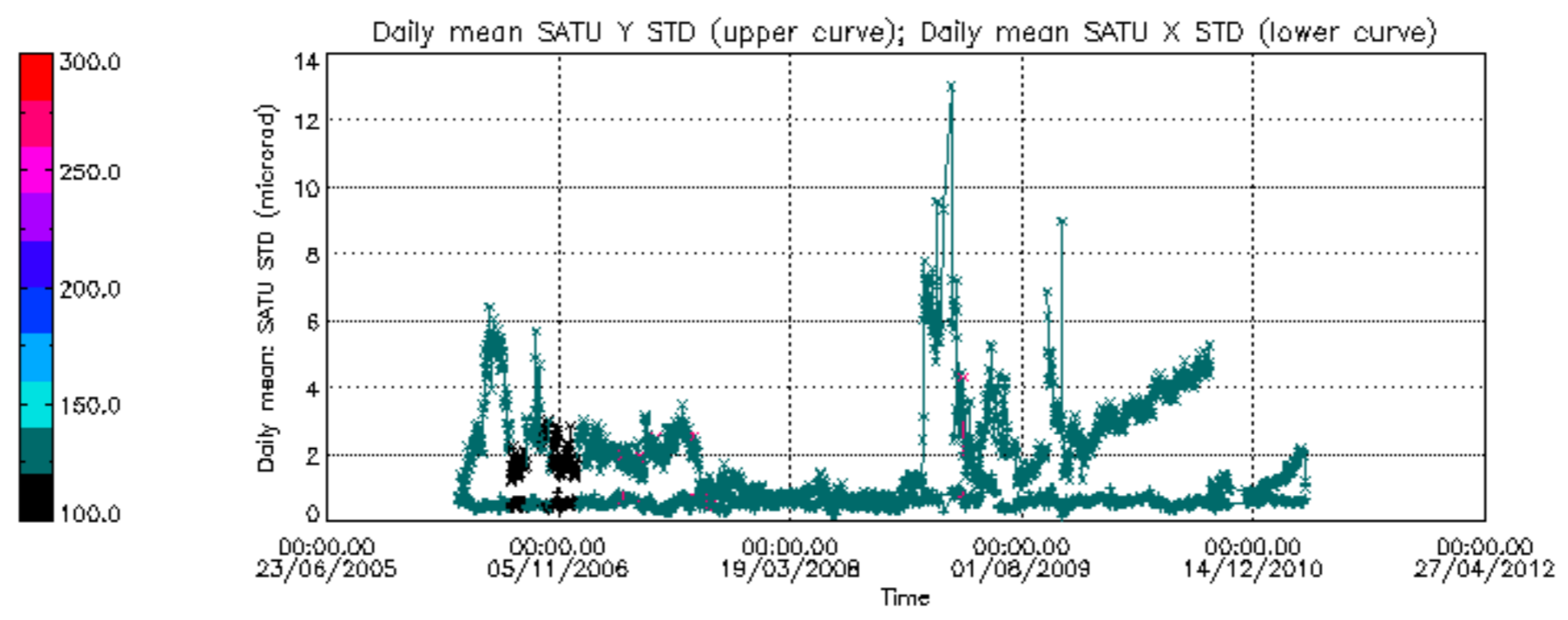


Tangent altitude at which the star is lost









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 5; 670.4; 01-APR-2011 01:49:33; Dark ; 56.0; 4; Alp1Cen ;-0.01; 5800;occ; 112; 0;47503
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 8; 1093.7; 01-APR-2011 01:56:37; Dark ; 51.0; 54; 5The Cen ; 2.06; 4500;occ; 102; 0;47503
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4; 89.7; 02-APR-2011 02:43:22; Dark ; 56.5; 38; 20Eps Sgr ; 1.84; 11000;occ; 113; 0;47518
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7; 989.5; 08-APR-2011 02:38:25; Dark ; 48.0; 81; Eta Cen ; 2.36; 28000;occ; 96; 0;47604
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 4; 2576.8; 14-APR-2011 12:46:20; Bright; 36.5; 152; 12Alp2CVn ; 2.89; 11000;occ; 73; 0;47696
 5; 2837.2; 14-APR-2011 12:50:40; Bright; 43.5; 39; 85Eta UMa ; 1.85; 24000;occ; 87; 0;47696
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11; 4430.5; 14-APR-2011 13:17:14; Bright; 52.0; 92; 53Eps Cyg ; 2.50; 4500;occ; 104; 0;47696
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 6; 2836.7; 14-APR-2011 14:30:54; Bright; 44.5; 39; 85Eta UMa ; 1.85; 24000;occ; 89; 0;47697
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 9; 3860.6; 14-APR-2011 14:47:58; Bright; 37.5; 89; 5Alp Cep ; 2.45; 8000;occ; 75; 0;47697
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 6; 2836.3; 14-APR-2011 16:11:07; Bright; 43.0; 39; 85Eta UMa ; 1.85; 24000;occ; 86; 0;47698
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5;	2870.8;	18-APR-2011	15:24:59;	Bright;	;	39.0;	55;	79Zet UMa	;	2.06;	10200;occ;	78;	0;	47755
6;	3241.9;	18-APR-2011	15:31:11;	Bright;	;	38.5;	60;	7Bet UMi	;	2.08;	3950;occ;	77;	0;	47755
7;	3850.1;	18-APR-2011	15:41:19;	Bright;	;	39.0;	89;	5Alp Cep	;	2.45;	8000;occ;	78;	0;	47755
8;	4106.2;	18-APR-2011	15:45:35;	Bright;	;	52.0;	144;	18Del Cyg	;	2.86;	11000;occ;	104;	0;	47755
9;	4272.2;	18-APR-2011	15:48:21;	Bright;	;	57.5;	66;	37Gam Cyg	;	2.21;	5900;occ;	115;	0;	47755
10;	4435.5;	18-APR-2011	15:51:04;	Bright;	;	58.5;	92;	53Eps Cyg	;	2.50;	4500;occ;	117;	0;	47755
11;	4899.1;	18-APR-2011	15:58:48;	Dark	;	51.0;	61;	8Eps Peg	;	2.10;	3900;occ;	102;	0;	47755
12;	5047.0;	18-APR-2011	16:01:16;	Dark	;	46.5;	162;	34Alp Aqr	;	2.94;	5350;occ;	93;	0;	47755
13;	5214.8;	18-APR-2011	16:04:03;	Dark	;	51.0;	154;	22Bet Aqr	;	2.90;	5700;occ;	102;	0;	47755
14;	5354.0;	18-APR-2011	16:06:23;	Dark	;	41.5;	142;	49Del Cap	;	2.85;	8900;occ;	83;	0;	47755
15;	5966.9;	18-APR-2011	16:16:36;	Dark	;	59.0;	0;		;	0.00;	0;occ;	118;	0;	47755
16;	6243.7;	18-APR-2011	16:21:12;	Dark	;	66.0;	103;	38Zet Sgr	;	2.60;	9700;occ;	132;	0;	47756
17;	6448.9;	18-APR-2011	16:24:38;	Dark	;	66.0;	38;	20Eps Sgr	;	1.84;	11000;occ;	132;	0;	47756
18;	6575.3;	18-APR-2011	16:26:44;	Dark	;	55.0;	178;	Iot1Sco	;	3.02;	6550;occ;	110;	0;	47756
19;	6671.2;	18-APR-2011	16:28:20;	Dark	;	66.0;	25;	35Lam Sco	;	1.62;	28000;occ;	132;	0;	47756
20;	6897.7;	18-APR-2011	16:32:06;	Dark	;	68.0;	75;	26Eps Sco	;	2.29;	4250;occ;	136;	0;	47756
21;	7021.8;	18-APR-2011	16:34:10;	Dark	;	42.5;	109;	Bet Lup	;	2.68;	26000;occ;	85;	0;	47756
22;	7244.0;	18-APR-2011	16:37:53;	Dark	;	34.5;	158;	6Pi Sco	;	2.91;	28000;occ;	69;	0;	47756

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1;	1230.0;	18-APR-2011	16:37:53;	Dark	;	66.0;	158;	6Pi Sco	;	2.91;	28000;occ;	132;	0;	47756
2;	1561.1;	18-APR-2011	16:43:24;	Dark	;	57.0;	122;	9Alp2Lib	;	2.75;	9700;occ;	114;	0;	47756
3;	2267.6;	18-APR-2011	16:55:10;	Bright;	;	45.0;	111;	8Eta Boo	;	2.68;	6000;occ;	90;	0;	47756
4;	2561.7;	18-APR-2011	17:00:04;	Bright;	;	56.0;	83;		;	2.38;	11000;occ;	112;	0;	47756
5;	2722.6;	18-APR-2011	17:02:45;	Bright;	;	47.5;	180;	27Gam Boo	;	3.04;	8000;occ;	95;	0;	47756
6;	2870.4;	18-APR-2011	17:05:13;	Bright;	;	38.0;	55;	79Zet UMa	;	2.06;	10200;occ;	76;	0;	47756
7;	3241.3;	18-APR-2011	17:11:24;	Bright;	;	41.0;	60;	7Bet UMi	;	2.08;	3950;occ;	82;	0;	47756
8;	3849.7;	18-APR-2011	17:21:32;	Bright;	;	40.0;	89;	5Alp Cep	;	2.45;	8000;occ;	80;	0;	47756
9;	4105.6;	18-APR-2011	17:25:48;	Bright;	;	48.0;	144;	18Del Cyg	;	2.86;	11000;occ;	96;	0;	47756
10;	4272.1;	18-APR-2011	17:28:35;	Bright;	;	58.0;	66;	37Gam Cyg	;	2.21;	5900;occ;	116;	0;	47756
11;	4435.4;	18-APR-2011	17:31:18;	Dark	;	64.0;	92;	53Eps Cyg	;	2.50;	4500;occ;	128;	0;	47756
12;	4899.4;	18-APR-2011	17:39:02;	Dark	;	54.5;	61;	8Eps Peg	;	2.10;	3900;occ;	109;	0;	47756
13;	5047.4;	18-APR-2011	17:41:30;	Dark	;	46.0;	162;	34Alp Aqr	;	2.94;	5350;occ;	92;	0;	47756
14;	5215.4;	18-APR-2011	17:44:18;	Dark	;	53.0;	154;	22Bet Aqr	;	2.90;	5700;occ;	106;	0;	47756
15;	5354.7;	18-APR-2011	17:46:37;	Dark	;	46.0;	142;	49Del Cap	;	2.85;	8900;occ;	92;	0;	47756
16;	5968.1;	18-APR-2011	17:56:51;	Dark	;	59.5;	0;		;	0.00;	0;occ;	119;	0;	47756
17;	6245.2;	18-APR-2011	18:01:28;	Dark	;	68.5;	103;	38Zet Sgr	;	2.60;	9700;occ;	137;	0;	47757
18;	6450.4;	18-APR-2011	18:04:53;	Dark	;	62.5;	38;	20Eps Sgr	;	1.84;	11000;occ;	125;	0;	47757
19;	6576.4;	18-APR-2011	18:06:59;	Dark	;	58.0;	178;	Iot1Sco	;	3.02;	6550;occ;	116;	0;	47757
20;	6672.5;	18-APR-2011	18:08:35;	Dark	;	61.0;	25;	35Lam Sco	;	1.62;	28000;occ;	122;	0;	47757
21;	6898.7;	18-APR-2011	18:12:21;	Dark	;	70.0;	75;	26Eps Sco	;	2.29;	4250;occ;	140;	0;	47757
22;	7022.2;	18-APR-2011	18:14:25;	Dark	;	42.5;	109;	Bet Lup	;	2.68;	26000;occ;	85;	0;	47757

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1;	1230.5;	18-APR-2011	18:18:07;	Dark	;	66.5;	158;	6Pi Sco	;	2.91;	28000;occ;	133;	0;	47757
2;	1561.1;	18-APR-2011	18:23:38;	Dark	;	61.5;	122;	9Alp2Lib	;	2.75;	9700;occ;	123;	0;	47757
3;	2267.1;	18-APR-2011	18:35:24;	Bright;	;	45.0;	111;	8Eta Boo	;	2.68;	6000;occ;	90;	0;	47757
4;	2560.6;	18-APR-2011	18:40:17;	Bright;	;	55.5;	83;		;	2.38;	11000;occ;	111;	0;	47757
5;	2721.8;	18-APR-2011	18:42:59;	Bright;	;	45.0;	180;	27Gam Boo	;	3.04;	8000;occ;	90;	0;	47757
6;	2870.2;	18-APR-2011	18:45:27;	Bright;	;	38.0;	55;	79Zet UMa	;	2.06;	10200;occ;	76;	0;	47757
7;	3241.0;	18-APR-2011	18:51:38;	Bright;	;	39.5;	60;	7Bet UMi	;	2.08;	3950;occ;	79;	0;	47757
8;	3849.4;	18-APR-2011	19:01:46;	Bright;	;	38.0;	89;	5Alp Cep	;	2.45;	8000;occ;	76;	0;	47757
9;	4105.1;	18-APR-2011	19:06:02;	Bright;	;	48.0;	144;	18Del Cyg	;	2.86;	11000;occ;	96;	0;	47757
10;	4271.8;	18-APR-2011	19:08:49;	Bright;	;	58.0;	66;	37Gam Cyg	;	2.21;	5900;occ;	116;	0;	47757
11;	4435.4;	18-APR-2011	19:11:32;	Dark	;	64.0;	92;	53Eps Cyg	;	2.50;	4500;occ;	128;	0;	47757
12;	4900.1;	18-APR-2011	19:19:17;	Dark	;	53.0;	61;	8Eps Peg	;	2.10;	3900;occ;	106;	0;	47757
13;	5048.0;	18-APR-2011	19:21:45;	Dark	;	46.5;	162;	34Alp Aqr	;	2.94;	5350;occ;	93;	0;	47757
14;	5215.8;	18-APR-2011	19:24:33;	Dark	;	50.5;	154;	22Bet Aqr	;	2.90;	5700;occ;	101;	0;	47757
15;	5355.5;	18-APR-2011	19:26:52;	Dark	;	44.5;	142;	49Del Cap	;	2.85;	8900;occ;	89;	0;	47757
16;	5969.3;	18-APR-2011	19:37:06;	Dark	;	59.0;	0;		;	0.00;	0;occ;	118;	0;	47757
17;	6246.9;	18-APR-2011	19:41:44;	Dark	;	64.0;	103;	38Zet Sgr	;	2.60;	9700;occ;	128;	0;	47758
18;	6451.9;	18-APR-2011	19:45:09;	Dark	;	65.5;	38;	20Eps Sgr	;	1.84;	11000;occ;	131;	0;	47758
19;	6577.6;	18-APR-2011	19:47:14;	Dark	;	55.5;	178;	Iot1Sco	;	3.02;	6550;occ;	111;	0;	47758
20;	6673.8;	18-APR-2011	19:48:51;	Dark	;	62.5;	25;	35Lam Sco	;	1.62;	28000;occ;	125;	0;	47758
21;	6899.8;	18-APR-2011	19:52:37;	Dark	;	67.5;	75;	26Eps Sco	;	2.29;	4250;occ;	135;	0;	47758

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1; -627.8; 19-APR-2011 00:28:05; Dark ; 46.0; 142; 49Del Cap ; 2.85; 8900;occ; 92; 58;47760
 2; -41.0; 19-APR-2011 00:37:52; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;47760
 3; 237.9; 19-APR-2011 00:42:31; Dark ; 64.0; 103; 38Zet Sgr ; 2.60; 9700;occ; 128; 0;47761
 4; 442.2; 19-APR-2011 00:45:55; Dark ; 64.0; 38; 20Eps Sgr ; 1.84; 11000;occ; 128; 0;47761
 5; 566.9; 19-APR-2011 00:48:00; Dark ; 59.5; 178; Iot1Sco ; 3.02; 6550;occ; 119; 0;47761
 6; 663.3; 19-APR-2011 00:49:36; Dark ; 64.5; 25; 35Lam Sco ; 1.62; 28000;occ; 129; 0;47761
 7; 888.7; 19-APR-2011 00:53:21; Dark ; 68.0; 75; 26Eps Sco ; 2.29; 4250;occ; 136; 0;47761
 8; 1010.0; 19-APR-2011 00:55:23; Dark ; 44.5; 109; Bet Lup ; 2.68; 26000;occ; 89; 0;47761
 9; 1232.9; 19-APR-2011 00:59:06; Dark ; 65.0; 158; 6Pi Sco ; 2.91; 28000;occ; 130; 0;47761
 10; 1561.4; 19-APR-2011 01:04:34; Dark ; 58.5; 122; 9Alp2Lib ; 2.75; 9700;occ; 117; 0;47761
 11; 2265.4; 19-APR-2011 01:16:18; Bright; 45.0; 111; 8Eta Boo ; 2.68; 6000;occ; 90; 0;47761
 12; 2556.7; 19-APR-2011 01:21:09; Bright; 56.0; 83; ; 2.38; 11000;occ; 112; 0;47761
 13; 2718.4; 19-APR-2011 01:23:51; Bright; 47.5; 180; 27Gam Boo ; 3.04; 8000;occ; 95; 0;47761
 14; 2869.0; 19-APR-2011 01:26:22; Bright; 39.0; 55; 79Zet UMA ; 2.06; 10200;occ; 78; 0;47761
 15; 3243.1; 19-APR-2011 01:32:36; Bright; 38.0; 60; 7Bet UMi ; 2.08; 3950;occ; 76; 0;47761
 16; 3848.8; 19-APR-2011 01:42:41; Bright; 40.5; 89; 5Alp Cep ; 2.45; 8000;occ; 81; 0;47761
 17; 4103.4; 19-APR-2011 01:46:56; Bright; 39.0; 144; 18Del Cyg ; 2.86; 11000;occ; 78; 0;47761
 18; 4271.1; 19-APR-2011 01:49:44; Bright; 59.0; 66; 37Gam Cyg ; 2.21; 5900;occ; 118; 0;47761
 19; 4435.6; 19-APR-2011 01:52:28; Dark ; 62.5; 92; 53Eps Cyg ; 2.50; 4500;occ; 125; 0;47761
 20; 4901.9; 19-APR-2011 02:00:15; Dark ; 54.5; 61; 8Eps Peg ; 2.10; 3900;occ; 109; 0;47761
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 3; 239.6; 19-APR-2011 02:22:46; Dark ; 65.0; 103; 38Zet Sgr ; 2.60; 9700;occ; 130; 0;47762
 4; 443.9; 19-APR-2011 02:26:11; Dark ; 64.5; 38; 20Eps Sgr ; 1.84; 11000;occ; 129; 0;47762
 5; 568.2; 19-APR-2011 02:28:15; Dark ; 55.0; 178; Iot1Sco ; 3.02; 6550;occ; 110; 0;47762
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 7; 889.8; 19-APR-2011 02:33:36; Dark ; 70.0; 75; 26Eps Sco ; 2.29; 4250;occ; 140; 0;47762
 8; 1010.4; 19-APR-2011 02:35:37; Dark ; 44.5; 109; Bet Lup ; 2.68; 26000;occ; 89; 0;47762
 9; 1233.3; 19-APR-2011 02:39:20; Dark ; 62.5; 158; 6Pi Sco ; 2.91; 28000;occ; 125; 0;47762
 10; 1561.7; 19-APR-2011 02:44:48; Dark ; 56.0; 122; 9Alp2Lib ; 2.75; 9700;occ; 112; 0;47762
 11; 2265.0; 19-APR-2011 02:56:32; Bright; 44.0; 111; 8Eta Boo ; 2.68; 6000;occ; 88; 0;47762
 12; 2555.8; 19-APR-2011 03:01:22; Bright; 52.5; 83; ; 2.38; 11000;occ; 105; 0;47762
 13; 2717.9; 19-APR-2011 03:04:05; Bright; 48.5; 180; 27Gam Boo ; 3.04; 8000;occ; 97; 0;47762
 14; 2868.7; 19-APR-2011 03:06:35; Bright; 39.0; 55; 79Zet UMA ; 2.06; 10200;occ; 78; 0;47762
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 2; -1911.0; 19-APR-2011 03:27:10; Bright; 35.0; 144; 18Del Cyg ; 2.86; 11000;occ; 70; 0;47762
 3; -1851.5; 19-APR-2011 03:28:09; Bright; 71.0; 19; 50Alp Cyg ; 1.25; 10500;occ; 142; 0;47762
 4; -1742.9; 19-APR-2011 03:29:58; Bright; 58.0; 66; 37Gam Cyg ; 2.21; 5900;occ; 116; 0;47762
 5; -1578.3; 19-APR-2011 03:32:42; Dark ; 66.0; 92; 53Eps Cyg ; 2.50; 4500;occ; 132; 0;47762
 6; -1111.6; 19-APR-2011 03:40:29; Dark ; 55.0; 61; 8Eps Peg ; 2.10; 3900;occ; 110; 0;47762
 7; -963.8; 19-APR-2011 03:42:57; Dark ; 47.5; 162; 34Alp Aqr ; 2.94; 5350;occ; 95; 0;47762
 8; -794.7; 19-APR-2011 03:45:46; Dark ; 52.0; 154; 22Bet Aqr ; 2.90; 5700;occ; 104; 0;47762
 9; -655.5; 19-APR-2011 03:48:05; Dark ; 45.0; 142; 49Del Cap ; 2.85; 8900;occ; 90; 0;47762
 10; -38.6; 19-APR-2011 03:58:22; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;47762
 11; 241.6; 19-APR-2011 04:03:02; Dark ; 65.0; 103; 38Zet Sgr ; 2.60; 9700;occ; 130; 0;47763
 12; 445.5; 19-APR-2011 04:06:26; Dark ; 63.5; 38; 20Eps Sgr ; 1.84; 11000;occ; 127; 0;47763
 13; 569.4; 19-APR-2011 04:08:30; Dark ; 55.0; 178; Iot1Sco ; 3.02; 6550;occ; 110; 0;47763
 14; 665.8; 19-APR-2011 04:10:06; Dark ; 66.0; 25; 35Lam Sco ; 1.62; 28000;occ; 132; 0;47763
 15; 890.9; 19-APR-2011 04:13:52; Dark ; 67.5; 75; 26Eps Sco ; 2.29; 4250;occ; 135; 0;47763
 16; 1011.1; 19-APR-2011 04:15:52; Dark ; 42.5; 109; Bet Lup ; 2.68; 26000;occ; 85; 0;47763
 17; 1234.1; 19-APR-2011 04:19:35; Dark ; 63.5; 158; 6Pi Sco ; 2.91; 28000;occ; 127; 0;47763
 18; 1561.7; 19-APR-2011 04:25:02; Dark ; 56.5; 122; 9Alp2Lib ; 2.75; 9700;occ; 113; 0;47763
 19; 2264.8; 19-APR-2011 04:36:45; Bright; 43.0; 111; 8Eta Boo ; 2.68; 6000;occ; 86; 0;47763
 20; 2555.1; 19-APR-2011 04:41:36; Bright; 53.0; 83; ; 2.38; 11000;occ; 106; 0;47763
 21; 2717.2; 19-APR-2011 04:44:18; Bright; 71.0; 180; 27Gam Boo ; 3.04; 8000;occ; 142; 0;47763
 22; 2868.6; 19-APR-2011 04:46:49; Bright; 38.0; 55; 79Zet UMA ; 2.06; 10200;occ; 76; 0;47763
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 4; -1743.2; 19-APR-2011 06:50:26; Bright; 59.5; 66; 37Gam Cyg ; 2.21; 5900;occ; 119; 0;47764
 5; -1578.0; 19-APR-2011 06:53:11; Dark ; 61.5; 92; 53Eps Cyg ; 2.50; 4500;occ; 123; 0;47764

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6; -1110.6; 19-APR-2011 07:00:58; Dark ; 55.5; 61; 8Eps Peg ; 2.10; 3900;occ; 111; 0;47764
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9; -654.0; 19-APR-2011 07:08:35; Dark ; 45.5; 142; 49Del Cap ; 2.85; 8900;occ; 91; 0;47764
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12; 448.5; 19-APR-2011 07:26:57; Dark ; 69.5; 38; 20Eps Sgr ; 1.84; 11000;occ; 139; 0;47765
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14; 668.2; 19-APR-2011 07:30:37; Dark ; 60.5; 25; 35Lam Sco ; 1.62; 28000;occ; 121; 0;47765
15; 892.7; 19-APR-2011 07:34:21; Dark ; 66.5; 75; 26Eps Sco ; 2.29; 4250;occ; 133; 0;47765
16; 1012.2; 19-APR-2011 07:36:21; Dark ; 42.5; 109; Bet Lup ; 2.68; 26000;occ; 85; 0;47765
17; 1235.0; 19-APR-2011 07:40:04; Dark ; 63.0; 158; 6Pi Sco ; 2.91; 28000;occ; 126; 0;47765
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