

# GOMOS Daily Report 09-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](#)

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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	14APR2011 07:07:44
Data source version	GOMOS/5.01
Start time of products	09APR2011 00:05:07
Stop time of products	09APR2011 23:59:16
Store outputs in DB	Yes
Nb of level 1b prods	288
Nb of prods with errors	1

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

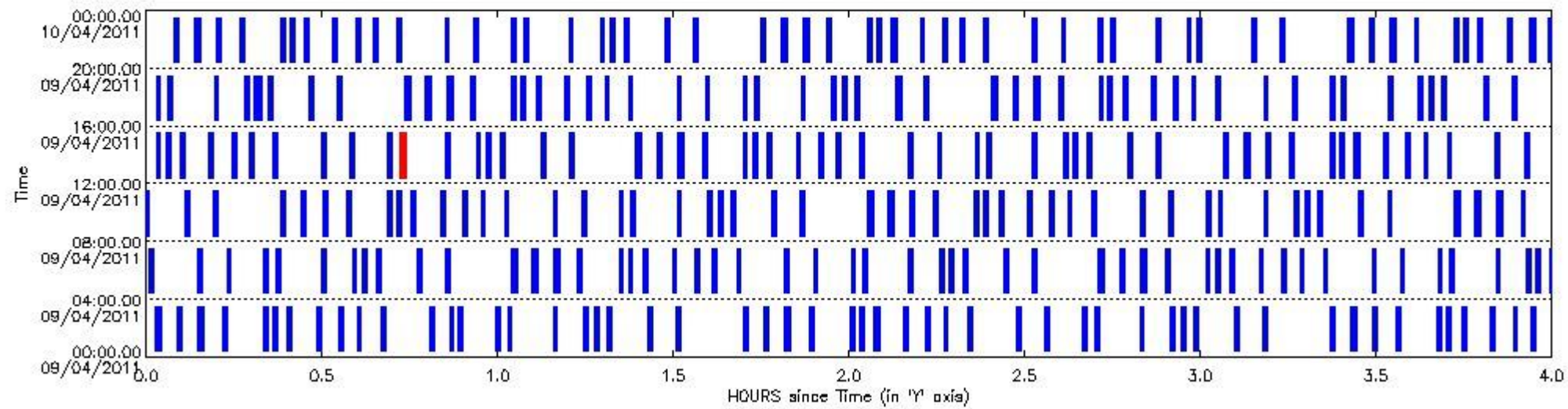
### 2.1 Level 0 products arrived in PCF (see template [here](#))

### 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
09-APR-2011 12:43:17	14EtaDra	119	47624

### 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_1PNPDE20110409_000507_000000583101_00189_47617_3878.N1	09-APR-2011 00:05:07	Dark	58.000	103	38Zet Sgr	2.6000	9700.0	116	47617	No
2	GOM_TRA_1PNPDE20110409_000845_000000603101_00189_47617_3879.N1	09-APR-2011 00:08:45	Dark	59.500	38	20Eps Sgr	1.8360	11000.	119	47617	No
3	GOM_TRA_1PNPDE20110409_001254_000000513101_00189_47617_3880.N1	09-APR-2011 00:12:54	Dark	51.000	25	35Lam Sco	1.6200	28000.	102	47617	No
4	GOM_TRA_1PNPDE20110409_001958_000000453101_00189_47617_3881.N1	09-APR-2011 00:19:58	Straylight	44.500	78	Alp Lup	2.3040	28000.	89	47617	No
5	GOM_TRA_1PNPDE20110409_002134_000000503101_00189_47617_3882.N1	09-APR-2011 00:21:34	Straylight	49.500	81	Eta Cen	2.3560	28000.	99	47617	No
6	GOM_TRA_1PNPDE20110409_002404_000000513101_00189_47617_3883.N1	09-APR-2011 00:24:04	Straylight	51.000	54	5The Cen	2.0550	4500.0	102	47617	No
7	GOM_TRA_1PNPDE20110409_002903_000000493101_00189_47617_3884.N1	09-APR-2011 00:29:03	Twilight_stray	48.500	169	46Gam Hya	2.9910	4700.0	97	47617	No
8	GOM_TRA_1PNPDE20110409_003254_000000523101_00189_47617_3885.N1	09-APR-2011 00:32:54	Bright	52.000	15	67Alp Vir	0.97600	28000.	104	47617	No
9	GOM_TRA_1PNPDE20110409_003600_000000413101_00189_47617_3886.N1	09-APR-2011 00:36:00	Bright	41.000	121	29Gam Vir	2.7400	7200.0	82	47617	No
10	GOM_TRA_1PNPDE20110409_004003_000000433101_00189_47617_3887.N1	09-APR-2011 00:40:03	Bright	43.000	138	47Eps Vir	2.8280	4700.0	86	47617	No

11	GOM_TRA_1PNPDE20110409_004821_000000433101_00189_47617_3888.N1	09-APR-2011 00:48:21	Bright	42.500	152	12Alp2CVn	2.8900	11000.	85	47617	No
12	GOM_TRA_1PNPDE20110409_005149_000000363101_00189_47617_3889.N1	09-APR-2011 00:51:49	Bright	35.500	87	64Gam UMa	2.4330	11000.	71	47617	No
13	GOM_TRA_1PNPDE20110409_005314_000000413101_00189_47617_3890.N1	09-APR-2011 00:53:14	Bright	41.000	32	77Eps UMa	1.7630	11000.	82	47617	No
14	GOM_TRA_1PNPDE20110409_005938_000000423101_00189_47617_3891.N1	09-APR-2011 00:59:38	Bright	41.500	60	7Bet UMi	2.0810	3950.0	83	47617	No
15	GOM_TRA_1PNPDE20110409_010141_000000453101_00189_47617_3892.N1	09-APR-2011 01:01:41	Bright	44.500	119	14Eta Dra	2.7270	4700.0	89	47617	No
16	GOM_TRA_1PNPDE20110409_010929_000000383101_00189_47617_3893.N1	09-APR-2011 01:09:29	Bright	38.000	89	5Alp Cep	2.4510	8000.0	76	47617	No
17	GOM_TRA_1PNPDE20110409_011441_000000473101_00189_47617_3894.N1	09-APR-2011 01:14:41	Bright	47.000	19	50Alp Cyg	1.2460	10500.	94	47617	No
18	GOM_TRA_1PNPDE20110409_011624_000000483101_00189_47617_3895.N1	09-APR-2011 01:16:24	Bright	47.500	66	37Gam Cyg	2.2080	5900.0	95	47617	No
19	GOM_TRA_1PNPDE20110409_011841_000000483101_00189_47617_3896.N1	09-APR-2011 01:18:41	Bright	47.500	92	53Eps Cyg	2.5000	4500.0	95	47617	No
20	GOM_TRA_1PNPDE20110409_012539_000000503101_00189_47617_3897.N1	09-APR-2011 01:25:39	Twilight	50.000	61	8Eps Peg	2.1000	3900.0	100	47617	No
21	GOM_TRA_1PNPDE20110409_013028_000000453101_00189_47617_3898.N1	09-APR-2011 01:30:28	Dark	45.000	154	22Bet Aqr	2.8990	5700.0	90	47617	No
22	GOM_TRA_1PNPDE20110409_014522_000000593101_00190_47618_3907.N1	09-APR-2011 01:45:22	Dark	58.500	103	38Zet Sgr	2.6000	9700.0	117	47618	No
23	GOM_TRA_1PNPDE20110409_014901_000000613101_00190_47618_3908.N1	09-APR-2011 01:49:01	Dark	61.000	38	20Eps Sgr	1.8360	11000.	122	47618	No
24	GOM_TRA_1PNPDE20110409_015310_000000503101_00190_47618_3909.N1	09-APR-2011 01:53:10	Dark	50.000	25	35Lam Sco	1.6200	28000.	100	47618	No
25	GOM_TRA_1PNPDE20110409_020012_000000443101_00190_47618_3910.N1	09-APR-2011 02:00:12	Straylight	44.000	78	Alp Lup	2.3040	28000.	88	47618	No
26	GOM_TRA_1PNPDE20110409_020148_000000503101_00190_47618_3911.N1	09-APR-2011 02:01:48	Straylight	49.500	81	Eta Cen	2.3560	28000.	99	47618	No
27	GOM_TRA_1PNPDE20110409_020418_000000533101_00190_47618_3912.N1	09-APR-2011 02:04:18	Straylight	52.500	54	5The Cen	2.0550	4500.0	105	47618	No
28	GOM_TRA_1PNPDE20110409_020917_000000483101_00190_47618_3913.N1	09-APR-2011 02:09:17	Twilight	48.000	169	46Gam Hya	2.9910	4700.0	96	47618	No
29	GOM_TRA_1PNPDE20110409_021308_000000503101_00190_47618_3914.N1	09-APR-2011 02:13:08	Bright	50.000	15	67Alp Vir	0.97600	28000.	100	47618	No
30	GOM_TRA_1PNPDE20110409_021614_000000413101_00190_47618_3915.N1	09-APR-2011 02:16:14	Bright	40.500	121	29Gam Vir	2.7400	7200.0	81	47618	No
31	GOM_TRA_1PNPDE20110409_022017_000000433101_00190_47618_3916.N1	09-APR-2011 02:20:17	Bright	42.500	138	47Eps Vir	2.8280	4700.0	85	47618	No
32	GOM_TRA_1PNPDE20110409_022834_000000423101_00190_47618_3917.N1	09-APR-2011 02:28:34	Bright	41.500	152	12Alp2CVn	2.8900	11000.	83	47618	No
33	GOM_TRA_1PNPDE20110409_023328_000000393101_00190_47618_3918.N1	09-APR-2011 02:33:28	Bright	39.000	32	77Eps UMa	1.7630	11000.	78	47618	No
34	GOM_TRA_1PNPDE20110409_023952_000000413101_00190_47618_3919.N1	09-APR-2011 02:39:52	Bright	41.000	60	7Bet UMi	2.0810	3950.0	82	47618	No
35	GOM_TRA_1PNPDE20110409_024154_000000503101_00190_47618_3920.N1	09-APR-2011 02:41:54	Bright	49.500	119	14Eta Dra	2.7270	4700.0	99	47618	No
36	GOM_TRA_1PNPDE20110409_024943_000000393101_00190_47618_3929.N1	09-APR-2011 02:49:43	Bright	39.000	89	5Alp Cep	2.4510	8000.0	78	47618	No
37	GOM_TRA_1PNPDE20110409_025456_000000463101_00190_47618_3930.N1	09-APR-2011 02:54:56	Bright	46.000	19	50Alp Cyg	1.2460	10500.	92	47618	No
38	GOM_TRA_1PNPDE20110409_025638_000000493101_00190_47618_3931.N1	09-APR-2011 02:56:38	Bright	49.000	66	37Gam Cyg	2.2080	5900.0	98	47618	No
39	GOM_TRA_1PNPDE20110409_025855_000000493101_00190_47618_3932.N1	09-APR-2011 02:58:55	Bright	48.500	92	53Eps Cyg	2.5000	4500.0	97	47618	No
40	GOM_TRA_1PNPDE20110409_030553_000000493101_00190_47618_3933.N1	09-APR-2011 03:05:53	Twilight	48.500	61	8Eps Peg	2.1000	3900.0	97	47618	No
41	GOM_TRA_1PNPDE20110409_031042_000000473101_00190_47618_3934.N1	09-APR-2011 03:10:42	Dark	47.000	154	22Bet Aqr	2.8990	5700.0	94	47618	No
42	GOM_TRA_1PNPDE20110409_032538_000000593101_00191_47619_3935.N1	09-APR-2011 03:25:38	Dark	59.000	103	38Zet Sgr	2.6000	9700.0	118	47619	No
43	GOM_TRA_1PNPDE20110409_032916_000000583101_00191_47619_3936.N1	09-APR-2011 03:29:16	Dark	58.000	38	20Eps Sgr	1.8360	11000.	116	47619	No
44	GOM_TRA_1PNPDE20110409_033325_000000503101_00191_47619_3937.N1	09-APR-2011 03:33:25	Dark	50.000	25	35Lam Sco	1.6200	28000.	100	47619	No
45	GOM_TRA_1PNPDE20110409_034027_000000453101_00191_47619_3938.N1	09-APR-2011 03:40:27	Straylight	45.000	78	Alp Lup	2.3040	28000.	90	47619	No
46	GOM_TRA_1PNPDE20110409_034203_000000473101_00191_47619_3939.N1	09-APR-2011 03:42:03	Straylight	46.500	81	Eta Cen	2.3560	28000.	93	47619	No
47	GOM_TRA_1PNPDE20110409_034433_000000503101_00191_47619_3940.N1	09-APR-2011 03:44:33	Straylight	50.000	54	5The Cen	2.0550	4500.0	100	47619	No
48	GOM_TRA_1PNPDE20110409_034932_000000503101_00191_47619_3941.N1	09-APR-2011 03:49:32	Twilight	50.000	169	46Gam Hya	2.9910	4700.0	100	47619	No
49	GOM_TRA_1PNPDE20110409_035322_000000483101_00191_47619_3942.N1	09-APR-2011 03:53:22	Bright	47.500	15	67Alp Vir	0.97600	28000.	95	47619	No
50	GOM_TRA_1PNPDE20110409_035628_000000393101_00191_47619_3943.N1	09-APR-2011 03:56:28	Bright	39.000	121	29Gam Vir	2.7400	7200.0	78	47619	No
51	GOM_TRA_1PNPDE20110409_040031_000000433101_00191_47619_3944.N1	09-APR-2011 04:00:31	Bright	43.000	138	47Eps Vir	2.8280	4700.0	86	47619	No
52	GOM_TRA_1PNPDE20110409_040848_000000413101_00191_47619_3945.N1	09-APR-2011 04:08:48	Bright	41.000	152	12Alp2CVn	2.8900	11000.	82	47619	No
53	GOM_TRA_1PNPDE20110409_041341_000000403101_00191_47619_3946.N1	09-APR-2011 04:13:41	Bright	39.500	32	77Eps UMa	1.7630	11000.	79	47619	No
54	GOM_TRA_1PNPDE20110409_042006_000000403101_00191_47619_3947.N1	09-APR-2011 04:20:06	Bright	40.000	60	7Bet UMi	2.0810	3950.0	80	47619	No
55	GOM_TRA_1PNPDE20110409_042207_000000473101_00191_47619_3948.N1	09-APR-2011 04:22:07	Bright	46.500	119	14Eta Dra	2.7270	4700.0	93	47619	No
56	GOM_TRA_1PNPDE20110409_042957_000000393101_00191_47619_3954.N1	09-APR-2011 04:29:57	Bright	39.000	89	5Alp Cep	2.4510	8000.0	78	47619	No
57	GOM_TRA_1PNPDE20110409_043510_000000453101_00191_47619_3955.N1	09-APR-2011 04:35:10	Bright	44.500	19	50Alp Cyg	1.2460	10500.	89	47619	No
58	GOM_TRA_1PNPDE20110409_043652_000000513101_00191_47619_3956.N1	09-APR-2011 04:36:52	Bright	50.500	66	37Gam Cyg	2.2080	5900.0	101	47619	No
59	GOM_TRA_1PNPDE20110409_043910_000000503101_00191_47619_3957.N1	09-APR-2011 04:39:10	Bright	49.500	92	53Eps Cyg	2.5000	4500.0	99	47619	No
60	GOM_TRA_1PNPDE20110409_044608_000000493101_00191_47619_3958.N1	09-APR-2011 04:46:08	Twilight	49.000	61	8Eps Peg	2.1000	3900.0	98	47619	No
61	GOM_TRA_1PNPDE20110409_045057_000000483101_00191_47619_3959.N1	09-APR-2011 04:50:57	Dark	47.500	154	22Bet Aqr	2.8990	5700.0	95	47619	No
62	GOM_TRA_1PNPDE20110409_050553_000000573101_00192_47620_3960.N1	09-APR-2011 05:05:53	Dark	57.000	103	38Zet Sgr	2.6000	9700.0	114	47620	No
63	GOM_TRA_1PNPDE20110409_050932_000000603101_00192_47620_3961.N1	09-APR-2011 05:09:32	Dark	60.000	38	20Eps Sgr	1.8360	11000.	120	47620	No
64	GOM_TRA_1PNPDE20110409_051341_000000493101_00192_47620_3962.N1	09-APR-2011 05:13:41	Dark	49.000	25	35Lam Sco	1.6200	28000.	98	47620	No
65	GOM_TRA_1PNPDE20110409_052041_000000433101_00192_47620_3963.N1	09-APR-2011 05:20:41	Straylight	43.000	78	Alp Lup	2.3040	28000.	86	47620	No
66	GOM_TRA_1PNPDE20110409_052217_000000453101_00192_47620_3964.N1	09-APR-2011 05:22:17	Straylight	44.500	81	Eta Cen	2.3560	28000.	89	47620	No
67	GOM_TRA_1PNPDE20110409_052447_000000503101_00192_47620_3965.N1	09-APR-2011 05:24:47	Straylight	49.500	54	5The Cen	2.0550	4500.0	99	47620	No
68	GOM_TRA_1PNPDE20110409_052946_000000473101_00192_47620_3966.N1	09-APR-2011 05:29:46	Twilight	46.500	169	46Gam Hya	2.9910	4700.0	93	47620	No
69	GOM_TRA_1PNPDE20110409_053336_000000543101_00192_47620_3967.N1	09-APR-2011 05:33:36	Bright	53.500	15	67Alp Vir	0.97600	28000.	107	47620	No



70	GOM_TRA_1PNPDE20110409_053642_000000403101_00192_47620_3968.N1	09-APR-2011 05:36:42	Bright	40.000	121	29Gam Vir	2.7400	7200.0	80	47620	No
71	GOM_TRA_1PNPDE20110409_054045_000000443101_00192_47620_3969.N1	09-APR-2011 05:40:45	Bright	43.500	138	47Eps Vir	2.8280	4700.0	87	47620	No
72	GOM_TRA_1PNPDE20110409_054902_000000403101_00192_47620_3970.N1	09-APR-2011 05:49:02	Bright	40.000	152	12Alp2CVn	2.8900	11000.	80	47620	No
73	GOM_TRA_1PNPDE20110409_055355_000000403101_00192_47620_3971.N1	09-APR-2011 05:53:55	Bright	40.000	32	77Eps UMa	1.7630	11000.	80	47620	No
74	GOM_TRA_1PNPDE20110409_060020_000000403101_00192_47620_3972.N1	09-APR-2011 06:00:20	Bright	40.000	60	7Bet UMi	2.0810	3950.0	80	47620	No
75	GOM_TRA_1PNPDE20110409_060220_000000483101_00192_47620_3973.N1	09-APR-2011 06:02:20	Bright	47.500	119	14Eta Dra	2.7270	4700.0	95	47620	No
76	GOM_TRA_1PNPDK20110409_061010_000000393101_00192_47620_1805.N1	09-APR-2011 06:10:10	Bright	39.000	89	5Alp Cep	2.4510	8000.0	78	47620	No
77	GOM_TRA_1PNPDK20110409_061524_000000453101_00192_47620_1806.N1	09-APR-2011 06:15:24	Bright	44.500	19	50Alp Cyg	1.2460	10500.	89	47620	No
78	GOM_TRA_1PNPDK20110409_061706_000000483101_00192_47620_1807.N1	09-APR-2011 06:17:06	Bright	48.000	66	37Gam Cyg	2.2080	5900.0	96	47620	No
79	GOM_TRA_1PNPDK20110409_061924_000000483101_00192_47620_1808.N1	09-APR-2011 06:19:24	Bright	48.000	92	53Eps Cyg	2.5000	4500.0	96	47620	No
80	GOM_TRA_1PNPDK20110409_062622_000000493101_00192_47620_1809.N1	09-APR-2011 06:26:22	Tw_i_and_stray	49.000	61	8Eps Peg	2.1000	3900.0	98	47620	No
81	GOM_TRA_1PNPDK20110409_063111_000000463101_00192_47620_1810.N1	09-APR-2011 06:31:11	Dark	46.000	154	22Bet Aqr	2.8990	5700.0	92	47620	No
82	GOM_TRA_1PNPDK20110409_064609_000000593101_00193_47621_1811.N1	09-APR-2011 06:46:09	Dark	58.500	103	38Zet Sgr	2.6000	9700.0	117	47621	No
83	GOM_TRA_1PNPDK20110409_064947_000000613101_00193_47621_1812.N1	09-APR-2011 06:49:47	Dark	60.500	38	20Eps Sgr	1.8360	11000.	121	47621	No
84	GOM_TRA_1PNPDK20110409_065356_000000493101_00193_47621_1813.N1	09-APR-2011 06:53:56	Dark	49.000	25	35Lam Sco	1.6200	28000.	98	47621	No
85	GOM_TRA_1PNPDK20110409_070056_000000423101_00193_47621_1814.N1	09-APR-2011 07:00:56	Straylight	41.500	78	Alp Lup	2.3040	28000.	83	47621	No
86	GOM_TRA_1PNPDK20110409_070232_000000473101_00193_47621_1815.N1	09-APR-2011 07:02:32	Straylight	47.000	81	Eta Cen	2.3560	28000.	94	47621	No
87	GOM_TRA_1PNPDK20110409_070502_000000523101_00193_47621_1816.N1	09-APR-2011 07:05:02	Straylight	51.500	54	5The Cen	2.0550	4500.0	103	47621	No
88	GOM_TRA_1PNPDK20110409_071000_000000433101_00193_47621_1817.N1	09-APR-2011 07:10:00	Tw_i_and_stray	42.500	169	46Gam Hya	2.9910	4700.0	85	47621	No
89	GOM_TRA_1PNPDK20110409_071350_000000493101_00193_47621_1818.N1	09-APR-2011 07:13:50	Bright	49.000	15	67Alp Vir	0.97600	28000.	98	47621	No
90	GOM_TRA_1PNPDK20110409_071656_000000403101_00193_47621_1602.N1	09-APR-2011 07:16:56	Bright	40.000	121	29Gam Vir	2.7400	7200.0	80	47621	No
91	GOM_TRA_1PNPDK20110409_072059_000000443101_00193_47621_1603.N1	09-APR-2011 07:20:59	Bright	43.500	138	47Eps Vir	2.8280	4700.0	87	47621	No
92	GOM_TRA_1PNPDK20110409_072915_000000413101_00193_47621_1604.N1	09-APR-2011 07:29:15	Bright	41.000	152	12Alp2CVn	2.8900	11000.	82	47621	No
93	GOM_TRA_1PNPDK20110409_073409_000000403101_00193_47621_1605.N1	09-APR-2011 07:34:09	Bright	39.500	32	77Eps UMa	1.7630	11000.	79	47621	No
94	GOM_TRA_1PNPDK20110409_074034_000000423101_00193_47621_1606.N1	09-APR-2011 07:40:34	Bright	41.500	60	7Bet UMi	2.0810	3950.0	83	47621	No
95	GOM_TRA_1PNPDK20110409_074234_000000473101_00193_47621_1607.N1	09-APR-2011 07:42:34	Bright	46.500	119	14Eta Dra	2.7270	4700.0	93	47621	No
96	GOM_TRA_1PNPDK20110409_075025_000000393101_00193_47621_1608.N1	09-APR-2011 07:50:25	Bright	38.500	89	5Alp Cep	2.4510	8000.0	77	47621	No
97	GOM_TRA_1PNPDK20110409_075537_000000443101_00193_47621_1609.N1	09-APR-2011 07:55:37	Bright	44.000	19	50Alp Cyg	1.2460	10500.	88	47621	No
98	GOM_TRA_1PNPDK20110409_075720_000000493101_00193_47621_2092.N1	09-APR-2011 07:57:20	Bright	49.000	66	37Gam Cyg	2.2080	5900.0	98	47621	No
99	GOM_TRA_1PNPDK20110409_075938_000000503101_00193_47621_2093.N1	09-APR-2011 07:59:38	Bright	49.500	92	53Eps Cyg	2.5000	4500.0	99	47621	No
100	GOM_TRA_1PNPDK20110409_080636_000000503101_00193_47621_2094.N1	09-APR-2011 08:06:36	Tw_i_and_stray	49.500	61	8Eps Peg	2.1000	3900.0	99	47621	No
101	GOM_TRA_1PNPDK20110409_081126_000000453101_00193_47621_2095.N1	09-APR-2011 08:11:26	Dark	45.000	154	22Bet Aqr	2.8990	5700.0	90	47621	No
102	GOM_TRA_1PNPDK20110409_082624_000000573101_00194_47622_2096.N1	09-APR-2011 08:26:24	Dark	56.500	103	38Zet Sgr	2.6000	9700.0	113	47622	No
103	GOM_TRA_1PNPDK20110409_083002_000000593101_00194_47622_2097.N1	09-APR-2011 08:30:02	Dark	58.500	38	20Eps Sgr	1.8360	11000.	117	47622	No
104	GOM_TRA_1PNPDK20110409_083411_000000493101_00194_47622_2098.N1	09-APR-2011 08:34:11	Dark	49.000	25	35Lam Sco	1.6200	28000.	98	47622	No
105	GOM_TRA_1PNPDK20110409_084111_000000443101_00194_47622_2099.N1	09-APR-2011 08:41:11	Straylight	43.500	78	Alp Lup	2.3040	28000.	87	47622	No
106	GOM_TRA_1PNPDK20110409_084247_000000453101_00194_47622_2100.N1	09-APR-2011 08:42:47	Straylight	45.000	81	Eta Cen	2.3560	28000.	90	47622	No
107	GOM_TRA_1PNPDK20110409_084516_000000503101_00194_47622_2101.N1	09-APR-2011 08:45:16	Straylight	49.500	54	5The Cen	2.0550	4500.0	99	47622	No
108	GOM_TRA_1PNPDK20110409_085014_000000473101_00194_47622_2102.N1	09-APR-2011 08:50:14	Tw_i_and_stray	47.000	169	46Gam Hya	2.9910	4700.0	94	47622	No
109	GOM_TRA_1PNPDK20110409_085405_000000453101_00194_47622_2103.N1	09-APR-2011 08:54:05	Bright	45.000	15	67Alp Vir	0.97600	28000.	90	47622	No
110	GOM_TRA_1PNPDK20110409_085710_000000413101_00194_47622_1837.N1	09-APR-2011 08:57:10	Bright	40.500	121	29Gam Vir	2.7400	7200.0	81	47622	No
111	GOM_TRA_1PNPDK20110409_090112_000000423101_00194_47622_1838.N1	09-APR-2011 09:01:12	Bright	42.000	138	47Eps Vir	2.8280	4700.0	84	47622	No
112	GOM_TRA_1PNPDK20110409_090929_000000423101_00194_47622_1839.N1	09-APR-2011 09:09:29	Bright	41.500	152	12Alp2CVn	2.8900	11000.	83	47622	No
113	GOM_TRA_1PNPDK20110409_091422_000000403101_00194_47622_1840.N1	09-APR-2011 09:14:22	Bright	40.000	32	77Eps UMa	1.7630	11000.	80	47622	No
114	GOM_TRA_1PNPDK20110409_092047_000000403101_00194_47622_1841.N1	09-APR-2011 09:20:47	Bright	40.000	60	7Bet UMi	2.0810	3950.0	80	47622	No
115	GOM_TRA_1PNPDK20110409_092247_000000493101_00194_47622_1842.N1	09-APR-2011 09:22:47	Bright	48.500	119	14Eta Dra	2.7270	4700.0	97	47622	No
116	GOM_TRA_1PNPDK20110409_093038_000000403101_00194_47622_1843.N1	09-APR-2011 09:30:38	Bright	39.500	89	5Alp Cep	2.4510	8000.0	79	47622	No
117	GOM_TRA_1PNPDK20110409_093551_000000443101_00194_47622_1844.N1	09-APR-2011 09:35:51	Bright	44.000	19	50Alp Cyg	1.2460	10500.	88	47622	No
118	GOM_TRA_1PNPDK20110409_093734_000000503101_00194_47622_1845.N1	09-APR-2011 09:37:34	Bright	50.000	66	37Gam Cyg	2.2080	5900.0	100	47622	No
119	GOM_TRA_1PNPDK20110409_093952_000000493101_00194_47622_1846.N1	09-APR-2011 09:39:52	Bright	49.000	92	53Eps Cyg	2.5000	4500.0	98	47622	No
120	GOM_TRA_1PNPDK20110409_094651_000000453101_00194_47622_1847.N1	09-APR-2011 09:46:51	Tw_i_and_stray	44.500	61	8Eps Peg	2.1000	3900.0	89	47622	No
121	GOM_TRA_1PNPDK20110409_095141_000000443101_00194_47622_1848.N1	09-APR-2011 09:51:41	Dark	44.000	154	22Bet Aqr	2.8990	5700.0	88	47622	No
122	GOM_TRA_1PNPDK20110409_100640_000000553101_00195_47623_1849.N1	09-APR-2011 10:06:40	Dark	55.000	103	38Zet Sgr	2.6000	9700.0	110	47623	No
123	GOM_TRA_1PNPDK20110409_101018_000000593101_00195_47623_1850.N1	09-APR-2011 10:10:18	Dark	59.000	38	20Eps Sgr	1.8360	11000.	118	47623	No
124	GOM_TRA_1PNPDK20110409_101426_000000493101_00195_47623_1851.N1	09-APR-2011 10:14:26	Dark	49.000	25	35Lam Sco	1.6200	28000.	98	47623	No
125	GOM_TRA_1PNPDK20110409_102125_000000453101_00195_47623_1852.N1	09-APR-2011 10:21:25	Straylight	44.500	78	Alp Lup	2.3040	28000.	89	47623	No
126	GOM_TRA_1PNPDK20110409_102301_000000463101_00195_47623_1853.N1	09-APR-2011 10:23:01	Straylight	46.000	81	Eta Cen	2.3560	28000.	92	47623	No
127	GOM_TRA_1PNPDK20110409_102531_000000483101_00195_47623_1854.N1	09-APR-2011 10:25:31	Straylight	48.000	54	5The Cen	2.0550	4500.0	96	47623	No
128	GOM_TRA_1PNPDK20110409_103029_000000463101_00195_47623_1855.N1	09-APR-2011 10:30:29	Tw_i_and_stray	46.000	169	46Gam Hya	2.9910	4700.0	92	47623	No

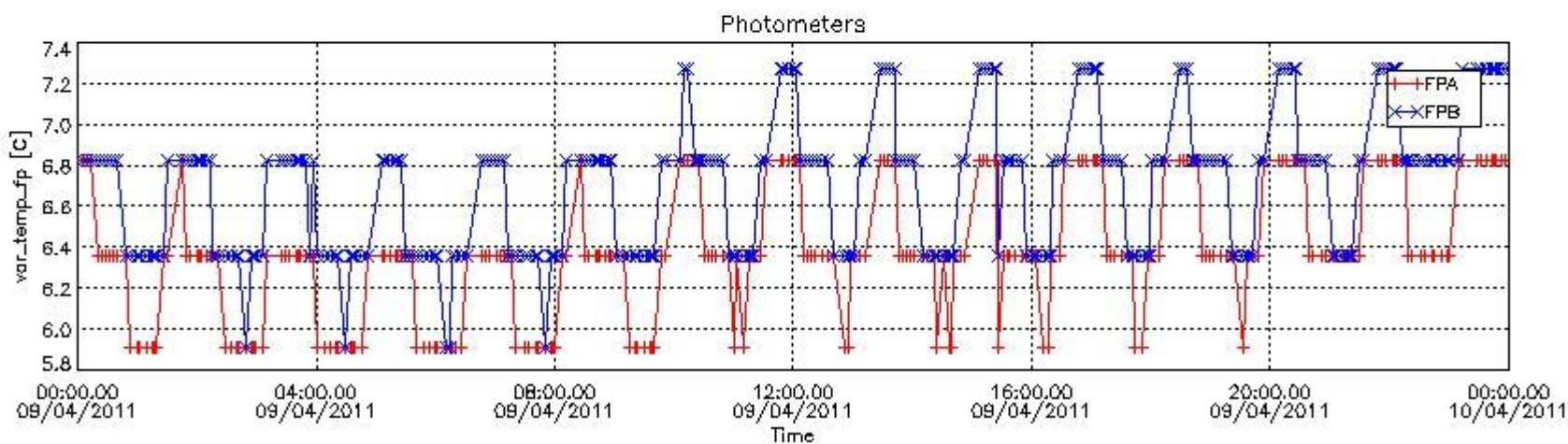
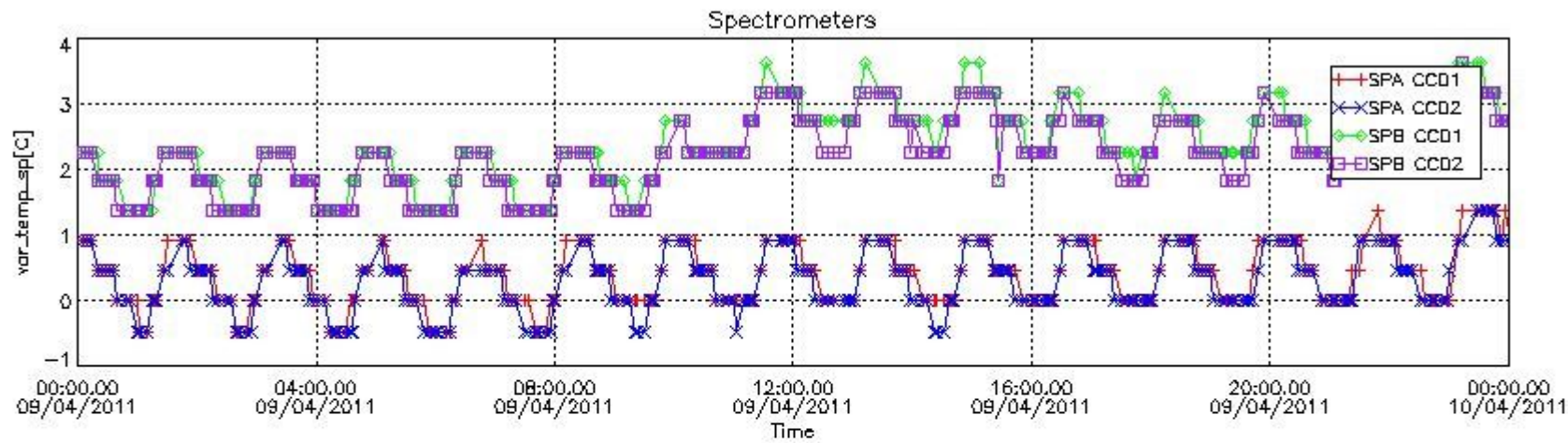
129	GOM_TRA_1PNPDK20110409_103418_000000503101_00195_47623_1856.N1	09-APR-2011 10:34:18	Bright	49.500	15	67Alp Vir	0.97600	28000.	99	47623	No
130	GOM_TRA_1PNPDK20110409_103724_000000393101_00195_47623_1707.N1	09-APR-2011 10:37:24	Bright	38.500	121	29Gam Vir	2.7400	7200.0	77	47623	No
131	GOM_TRA_1PNPDK20110409_104126_000000423101_00195_47623_1708.N1	09-APR-2011 10:41:26	Bright	41.500	138	47Eps Vir	2.8280	4700.0	83	47623	No
132	GOM_TRA_1PNPDK20110409_104942_000000423101_00195_47623_1709.N1	09-APR-2011 10:49:42	Bright	42.000	152	12Alp2CVn	2.8900	11000.	84	47623	No
133	GOM_TRA_1PNPDK20110409_105436_000000403101_00195_47623_1710.N1	09-APR-2011 10:54:36	Bright	40.000	32	77Eps UMa	1.7630	11000.	80	47623	No
134	GOM_TRA_1PNPDK20110409_110101_000000413101_00195_47623_1711.N1	09-APR-2011 11:01:01	Bright	41.000	60	7Bet UMi	2.0810	3950.0	82	47623	No
135	GOM_TRA_1PNPDK20110409_110300_000000473101_00195_47623_1712.N1	09-APR-2011 11:03:00	Bright	47.000	119	14Eta Dra	2.7270	4700.0	94	47623	No
136	GOM_TRA_1PNPDK20110409_111052_000000393101_00195_47623_1713.N1	09-APR-2011 11:10:52	Bright	39.000	89	5Alp Cep	2.4510	8000.0	78	47623	No
137	GOM_TRA_1PNPDK20110409_111605_000000473101_00195_47623_1714.N1	09-APR-2011 11:16:05	Bright	46.500	19	50Alp Cyg	1.2460	10500.	93	47623	No
138	GOM_TRA_1PNPDK20110409_111748_000000493101_00195_47623_1715.N1	09-APR-2011 11:17:48	Bright	49.000	66	37Gam Cyg	2.2080	5900.0	98	47623	No
139	GOM_TRA_1PNPDK20110409_112006_000000483101_00195_47623_1716.N1	09-APR-2011 11:20:06	Bright	47.500	92	53Eps Cyg	2.5000	4500.0	95	47623	No
140	GOM_TRA_1PNPDK20110409_112705_000000473101_00195_47623_1717.N1	09-APR-2011 11:27:05	Twilight	47.000	61	8Eps Peg	2.1000	3900.0	94	47623	No
141	GOM_TRA_1PNPDK20110409_113155_000000453101_00195_47623_1718.N1	09-APR-2011 11:31:55	Dark	45.000	154	22Bet Aqr	2.8990	5700.0	90	47623	No
142	GOM_TRA_1PNPDK20110409_114655_000000563101_00196_47624_1719.N1	09-APR-2011 11:46:55	Dark	56.000	103	38Zet Sgr	2.6000	9700.0	112	47624	No
143	GOM_TRA_1PNPDK20110409_115033_000000593101_00196_47624_1720.N1	09-APR-2011 11:50:33	Dark	58.500	38	20Eps Sgr	1.8360	11000.	117	47624	No
144	GOM_TRA_1PNPDK20110409_115442_000000483101_00196_47624_1721.N1	09-APR-2011 11:54:42	Dark	48.000	25	35Lam Sco	1.6200	28000.	96	47624	No
145	GOM_TRA_1PNPDK20110409_120140_000000433101_00196_47624_1722.N1	09-APR-2011 12:01:40	Straylight	43.000	78	Alp Lup	2.3040	28000.	86	47624	No
146	GOM_TRA_1PNPDK20110409_120315_000000483101_00196_47624_1723.N1	09-APR-2011 12:03:15	Straylight	48.000	81	Eta Cen	2.3560	28000.	96	47624	No
147	GOM_TRA_1PNPDK20110409_120545_000000503101_00196_47624_1724.N1	09-APR-2011 12:05:45	Straylight	50.000	54	5The Cen	2.0550	4500.0	100	47624	No
148	GOM_TRA_1PNPDK20110409_121043_000000473101_00196_47624_1725.N1	09-APR-2011 12:10:43	Twilight	47.000	169	46Gam Hya	2.9910	4700.0	94	47624	No
149	GOM_TRA_1PNPDK20110409_121432_000000523101_00196_47624_1771.N1	09-APR-2011 12:14:32	Bright	51.500	15	67Alp Vir	0.97600	28000.	103	47624	No
150	GOM_TRA_1PNPDK20110409_121738_000000403101_00196_47624_1914.N1	09-APR-2011 12:17:38	Bright	40.000	121	29Gam Vir	2.7400	7200.0	80	47624	No
151	GOM_TRA_1PNPDK20110409_122140_000000433101_00196_47624_1915.N1	09-APR-2011 12:21:40	Bright	42.500	138	47Eps Vir	2.8280	4700.0	85	47624	No
152	GOM_TRA_1PNPDK20110409_122956_000000423101_00196_47624_1916.N1	09-APR-2011 12:29:56	Bright	41.500	152	12Alp2CVn	2.8900	11000.	83	47624	No
153	GOM_TRA_1PNPDK20110409_123450_000000403101_00196_47624_1917.N1	09-APR-2011 12:34:50	Bright	39.500	32	77Eps UMa	1.7630	11000.	79	47624	No
154	GOM_TRA_1PNPDK20110409_124114_000000383101_00196_47624_1918.N1	09-APR-2011 12:41:14	Bright	37.500	60	7Bet UMi	2.0810	3950.0	75	47624	No
155	GOM_TRA_1PNPDK20110409_125106_000000403101_00196_47624_1919.N1	09-APR-2011 12:51:06	Bright	39.500	89	5Alp Cep	2.4510	8000.0	79	47624	No
156	GOM_TRA_1PNPDK20110409_125619_000000453101_00196_47624_1920.N1	09-APR-2011 12:56:19	Bright	45.000	19	50Alp Cyg	1.2460	10500.	90	47624	No
157	GOM_TRA_1PNPDK20110409_125802_000000503101_00196_47624_1921.N1	09-APR-2011 12:58:02	Bright	50.000	66	37Gam Cyg	2.2080	5900.0	100	47624	No
158	GOM_TRA_1PNPDK20110409_130020_000000583101_00196_47624_1922.N1	09-APR-2011 13:00:20	Bright	57.500	92	53Eps Cyg	2.5000	4500.0	115	47624	No
159	GOM_TRA_1PNPDK20110409_130719_000000483101_00196_47624_1923.N1	09-APR-2011 13:07:19	Twilight	48.000	61	8Eps Peg	2.1000	3900.0	96	47624	No
160	GOM_TRA_1PNPDK20110409_131209_000000493101_00196_47624_1924.N1	09-APR-2011 13:12:09	Dark	48.500	154	22Bet Aqr	2.8990	5700.0	97	47624	No
161	GOM_TRA_1PNPDK20110409_132711_000000563101_00197_47625_1925.N1	09-APR-2011 13:27:11	Dark	55.500	103	38Zet Sgr	2.6000	9700.0	111	47625	No
162	GOM_TRA_1PNPDK20110409_133049_000000593101_00197_47625_1926.N1	09-APR-2011 13:30:49	Dark	59.000	38	20Eps Sgr	1.8360	11000.	118	47625	No
163	GOM_TRA_1PNPDK20110409_133457_000000483101_00197_47625_1927.N1	09-APR-2011 13:34:57	Dark	48.000	25	35Lam Sco	1.6200	28000.	96	47625	No
164	GOM_TRA_1PNPDK20110409_134154_000000413101_00197_47625_1928.N1	09-APR-2011 13:41:54	Straylight	41.000	78	Alp Lup	2.3040	28000.	82	47625	No
165	GOM_TRA_1PNPDK20110409_134330_000000473101_00197_47625_1929.N1	09-APR-2011 13:43:30	Straylight	46.500	81	Eta Cen	2.3560	28000.	93	47625	No
166	GOM_TRA_1PNPDK20110409_134559_000000463101_00197_47625_1930.N1	09-APR-2011 13:45:59	Straylight	45.500	54	5The Cen	2.0550	4500.0	91	47625	No
167	GOM_TRA_1PNPDK20110409_135057_000000433101_00197_47625_1931.N1	09-APR-2011 13:50:57	Twilight	43.000	169	46Gam Hya	2.9910	4700.0	86	47625	No
168	GOM_TRA_1PNPDK20110409_135446_000000503101_00197_47625_1883.N1	09-APR-2011 13:54:46	Bright	50.000	15	67Alp Vir	0.97600	28000.	100	47625	No
169	GOM_TRA_1PNPDK20110409_135752_000000403101_00197_47625_1884.N1	09-APR-2011 13:57:52	Bright	40.000	121	29Gam Vir	2.7400	7200.0	80	47625	No
170	GOM_TRA_1PNPDK20110409_140153_000000433101_00197_47625_1885.N1	09-APR-2011 14:01:53	Bright	42.500	138	47Eps Vir	2.8280	4700.0	85	47625	No
171	GOM_TRA_1PNPDK20110409_141010_000000403101_00197_47625_1886.N1	09-APR-2011 14:10:10	Bright	40.000	152	12Alp2CVn	2.8900	11000.	80	47625	No
172	GOM_TRA_1PNPDK20110409_141503_000000413101_00197_47625_1887.N1	09-APR-2011 14:15:03	Bright	40.500	32	77Eps UMa	1.7630	11000.	81	47625	No
173	GOM_TRA_1PNPDK20110409_142128_000000373101_00197_47625_1888.N1	09-APR-2011 14:21:28	Bright	37.000	60	7Bet UMi	2.0810	3950.0	74	47625	No
174	GOM_TRA_1PNPDK20110409_142327_000000493101_00197_47625_1889.N1	09-APR-2011 14:23:27	Bright	49.000	119	14Eta Dra	2.7270	4700.0	98	47625	No
175	GOM_TRA_1PNPDK20110409_143120_000000383101_00197_47625_1890.N1	09-APR-2011 14:31:20	Bright	38.000	89	5Alp Cep	2.4510	8000.0	76	47625	No
176	GOM_TRA_1PNPDK20110409_143633_000000473101_00197_47625_1891.N1	09-APR-2011 14:36:33	Bright	46.500	19	50Alp Cyg	1.2460	10500.	93	47625	No
177	GOM_TRA_1PNPDK20110409_143815_000000523101_00197_47625_1892.N1	09-APR-2011 14:38:15	Bright	51.500	66	37Gam Cyg	2.2080	5900.0	103	47625	No
178	GOM_TRA_1PNPDK20110409_144034_000000503101_00197_47625_1893.N1	09-APR-2011 14:40:34	Bright	50.000	92	53Eps Cyg	2.5000	4500.0	100	47625	No
179	GOM_TRA_1PNPDK20110409_144734_000000493101_00197_47625_1894.N1	09-APR-2011 14:47:34	Twilight	48.500	61	8Eps Peg	2.1000	3900.0	97	47625	No
180	GOM_TRA_1PNPDK20110409_145224_000000473101_00197_47625_1895.N1	09-APR-2011 14:52:24	Dark	46.500	154	22Bet Aqr	2.8990	5700.0	93	47625	No
181	GOM_TRA_1PNPDK20110409_150726_000000583101_00198_47626_1896.N1	09-APR-2011 15:07:26	Dark	58.000	103	38Zet Sgr	2.6000	9700.0	116	47626	No
182	GOM_TRA_1PNPDK20110409_151104_000000603101_00198_47626_1897.N1	09-APR-2011 15:11:04	Dark	59.500	38	20Eps Sgr	1.8360	11000.	119	47626	No
183	GOM_TRA_1PNPDK20110409_151512_000000473101_00198_47626_1898.N1	09-APR-2011 15:15:12	Dark	47.000	25	35Lam Sco	1.6200	28000.	94	47626	No
184	GOM_TRA_1PNPDK20110409_152208_000000433101_00198_47626_1899.N1	09-APR-2011 15:22:08	Straylight	42.500	78	Alp Lup	2.3040	28000.	85	47626	No
185	GOM_TRA_1PNPDK20110409_152344_000000473101_00198_47626_1900.N1	09-APR-2011 15:23:44	Straylight	46.500	81	Eta Cen	2.3560	28000.	93	47626	No
186	GOM_TRA_1PNPDK20110409_152614_000000543101_00198_47626_1985.N1	09-APR-2011 15:26:14	Straylight	54.000	54	5The Cen	2.0550	4500.0	108	47626	Yes
187	GOM_TRA_1PNPDK20110409_153111_000000473101_00198_47626_1986.N1	09-APR-2011 15:31:11	Twilight	46.500	169	46Gam Hya	2.9910	4700.0	93	47626	No



188	GOM_TRA_1PNPDK20110409_153500_000000513101_00198_47626_1987.N1	09-APR-2011 15:35:00	Bright	51.000	15	67Alp Vir	0.97600	28000.	102	47626	No
189	GOM_TRA_1PNPDK20110409_153806_000000413101_00198_47626_1988.N1	09-APR-2011 15:38:06	Bright	40.500	121	29Gam Vir	2.7400	7200.0	81	47626	No
190	GOM_TRA_1PNPDK20110409_154207_000000423101_00198_47626_1989.N1	09-APR-2011 15:42:07	Bright	41.500	138	47Eps Vir	2.8280	4700.0	83	47626	No
191	GOM_TRA_1PNPDK20110409_155023_000000393101_00198_47626_1990.N1	09-APR-2011 15:50:23	Bright	39.000	152	12Alp2CVn	2.8900	11000.	78	47626	No
192	GOM_TRA_1PNPDK20110409_155517_000000543101_00198_47626_1991.N1	09-APR-2011 15:55:17	Bright	53.500	32	77Eps UMa	1.7630	11000.	107	47626	No
193	GOM_TRA_1PNPDK20110409_160142_000000373101_00198_47626_1992.N1	09-APR-2011 16:01:42	Bright	37.000	60	7Bet UMi	2.0810	3950.0	74	47626	No
194	GOM_TRA_1PNPDK20110409_160340_000000503101_00198_47626_1993.N1	09-APR-2011 16:03:40	Bright	49.500	119	14Eta Dra	2.7270	4700.0	99	47626	No
195	GOM_TRA_1PNPDK20110409_161134_000000403101_00198_47626_1994.N1	09-APR-2011 16:11:34	Bright	39.500	89	5Alp Cep	2.4510	8000.0	79	47626	No
196	GOM_TRA_1PNPDK20110409_161647_000000443101_00198_47626_1995.N1	09-APR-2011 16:16:47	Bright	43.500	19	50Alp Cyg	1.2460	10500.	87	47626	No
197	GOM_TRA_1PNPDK20110409_161829_000000703101_00198_47626_1996.N1	09-APR-2011 16:18:29	Bright	70.000	66	37Gam Cyg	2.2080	5900.0	140	47626	No
198	GOM_TRA_1PNPDK20110409_162048_000000493101_00198_47626_1997.N1	09-APR-2011 16:20:48	Bright	48.500	92	53Eps Cyg	2.5000	4500.0	97	47626	No
199	GOM_TRA_1PNPDK20110409_162748_000000503101_00198_47626_1998.N1	09-APR-2011 16:27:48	Tw_i_and_stray	49.500	61	8Eps Peg	2.1000	3900.0	99	47626	No
200	GOM_TRA_1PNPDK20110409_163239_000000493101_00198_47626_1999.N1	09-APR-2011 16:32:39	Dark	48.500	154	22Bet Aqr	2.8990	5700.0	97	47626	No
201	GOM_TRA_1PNPDK20110409_164741_000000573101_00199_47627_2000.N1	09-APR-2011 16:47:41	Dark	57.000	103	38Zet Sgr	2.6000	9700.0	114	47627	No
202	GOM_TRA_1PNPDK20110409_165120_000000613101_00199_47627_2001.N1	09-APR-2011 16:51:20	Dark	60.500	38	20Eps Sgr	1.8360	11000.	121	47627	No
203	GOM_TRA_1PNPDK20110409_165528_000000473101_00199_47627_2002.N1	09-APR-2011 16:55:28	Dark	47.000	25	35Lam Sco	1.6200	28000.	94	47627	No
204	GOM_TRA_1PNPDK20110409_170223_000000463101_00199_47627_2003.N1	09-APR-2011 17:02:23	Straylight	46.000	78	Alp Lup	2.3040	28000.	92	47627	No
205	GOM_TRA_1PNPDK20110409_170359_000000463101_00199_47627_2004.N1	09-APR-2011 17:03:59	Straylight	46.000	81	Eta Cen	2.3560	28000.	92	47627	No
206	GOM_TRA_1PNPDK20110409_170629_000000493101_00199_47627_1954.N1	09-APR-2011 17:06:29	Straylight	49.000	54	5The Cen	2.0550	4500.0	98	47627	No
207	GOM_TRA_1PNPDK20110409_171125_000000483101_00199_47627_1955.N1	09-APR-2011 17:11:25	Tw_i_and_stray	47.500	169	46Gam Hya	2.9910	4700.0	95	47627	No
208	GOM_TRA_1PNPDK20110409_171514_000000513101_00199_47627_1956.N1	09-APR-2011 17:15:14	Bright	51.000	15	67Alp Vir	0.97600	28000.	102	47627	No
209	GOM_TRA_1PNPDK20110409_171820_000000413101_00199_47627_1957.N1	09-APR-2011 17:18:20	Bright	40.500	121	29Gam Vir	2.7400	7200.0	81	47627	No
210	GOM_TRA_1PNPDK20110409_172221_000000433101_00199_47627_1958.N1	09-APR-2011 17:22:21	Bright	42.500	138	47Eps Vir	2.8280	4700.0	85	47627	No
211	GOM_TRA_1PNPDK20110409_173037_000000403101_00199_47627_1959.N1	09-APR-2011 17:30:37	Bright	40.000	152	12Alp2CVn	2.8900	11000.	80	47627	No
212	GOM_TRA_1PNPDK20110409_173531_000000403101_00199_47627_1960.N1	09-APR-2011 17:35:31	Bright	39.500	32	77Eps UMa	1.7630	11000.	79	47627	No
213	GOM_TRA_1PNPDK20110409_174156_000000403101_00199_47627_1961.N1	09-APR-2011 17:41:56	Bright	39.500	60	7Bet UMi	2.0810	3950.0	79	47627	No
214	GOM_TRA_1PNPDK20110409_174354_000000493101_00199_47627_1962.N1	09-APR-2011 17:43:54	Bright	48.500	119	14Eta Dra	2.7270	4700.0	97	47627	No
215	GOM_TRA_1PNPDK20110409_175148_000000373101_00199_47627_1963.N1	09-APR-2011 17:51:48	Bright	36.500	89	5Alp Cep	2.4510	8000.0	73	47627	No
216	GOM_TRA_1PNPDK20110409_175701_000000443101_00199_47627_1964.N1	09-APR-2011 17:57:01	Bright	44.000	19	50Alp Cyg	1.2460	10500.	88	47627	No
217	GOM_TRA_1PNPDK20110409_175844_000000493101_00199_47627_1965.N1	09-APR-2011 17:58:44	Bright	48.500	66	37Gam Cyg	2.2080	5900.0	97	47627	No
218	GOM_TRA_1PNPDK20110409_180102_000000493101_00199_47627_1966.N1	09-APR-2011 18:01:02	Bright	48.500	92	53Eps Cyg	2.5000	4500.0	97	47627	No
219	GOM_TRA_1PNPDK20110409_180802_000000513101_00199_47627_1967.N1	09-APR-2011 18:08:02	Tw_i_and_stray	50.500	61	8Eps Peg	2.1000	3900.0	101	47627	No
220	GOM_TRA_1PNPDK20110409_181253_000000483101_00199_47627_1968.N1	09-APR-2011 18:12:53	Dark	48.000	154	22Bet Aqr	2.8990	5700.0	96	47627	No
221	GOM_TRA_1PNPDK20110409_182757_000000573101_00200_47628_1969.N1	09-APR-2011 18:27:57	Dark	56.500	103	38Zet Sgr	2.6000	9700.0	113	47628	No
222	GOM_TRA_1PNPDK20110409_183135_000000583101_00200_47628_1970.N1	09-APR-2011 18:31:35	Dark	57.500	38	20Eps Sgr	1.8360	11000.	115	47628	No
223	GOM_TRA_1PNPDK20110409_183543_000000463101_00200_47628_1971.N1	09-APR-2011 18:35:43	Dark	46.000	25	35Lam Sco	1.6200	28000.	92	47628	No
224	GOM_TRA_1PNPDK20110409_184238_000000443101_00200_47628_1972.N1	09-APR-2011 18:42:38	Straylight	44.000	78	Alp Lup	2.3040	28000.	88	47628	No
225	GOM_TRA_1PNPDK20110409_184413_000000493101_00200_47628_2002.N1	09-APR-2011 18:44:13	Straylight	48.500	81	Eta Cen	2.3560	28000.	97	47628	No
226	GOM_TRA_1PNPDK20110409_184643_000000523101_00200_47628_2003.N1	09-APR-2011 18:46:43	Straylight	52.000	54	5The Cen	2.0550	4500.0	104	47628	No
227	GOM_TRA_1PNPDK20110409_185139_000000463101_00200_47628_2004.N1	09-APR-2011 18:51:39	Tw_i_and_stray	46.000	169	46Gam Hya	2.9910	4700.0	92	47628	No
228	GOM_TRA_1PNPDK20110409_185529_000000483101_00200_47628_2005.N1	09-APR-2011 18:55:29	Bright	48.000	15	67Alp Vir	0.97600	28000.	96	47628	No
229	GOM_TRA_1PNPDK20110409_185834_000000403101_00200_47628_2006.N1	09-APR-2011 18:58:34	Bright	40.000	121	29Gam Vir	2.7400	7200.0	80	47628	No
230	GOM_TRA_1PNPDK20110409_190235_000000423101_00200_47628_2007.N1	09-APR-2011 19:02:35	Bright	41.500	138	47Eps Vir	2.8280	4700.0	83	47628	No
231	GOM_TRA_1PNPDK20110409_191051_000000413101_00200_47628_2008.N1	09-APR-2011 19:10:51	Bright	40.500	152	12Alp2CVn	2.8900	11000.	81	47628	No
232	GOM_TRA_1PNPDK20110409_191545_000000533101_00200_47628_2009.N1	09-APR-2011 19:15:45	Bright	52.500	32	77Eps UMa	1.7630	11000.	105	47628	No
233	GOM_TRA_1PNPDK20110409_192210_000000413101_00200_47628_2010.N1	09-APR-2011 19:22:10	Bright	40.500	60	7Bet UMi	2.0810	3950.0	81	47628	No
234	GOM_TRA_1PNPDK20110409_192407_000000483101_00200_47628_2011.N1	09-APR-2011 19:24:07	Bright	47.500	119	14Eta Dra	2.7270	4700.0	95	47628	No
235	GOM_TRA_1PNPDK20110409_193202_000000513101_00200_47628_2012.N1	09-APR-2011 19:32:02	Bright	50.500	89	5Alp Cep	2.4510	8000.0	101	47628	No
236	GOM_TRA_1PNPDK20110409_193715_000000463101_00200_47628_2013.N1	09-APR-2011 19:37:15	Bright	46.000	19	50Alp Cyg	1.2460	10500.	92	47628	No
237	GOM_TRA_1PNPDK20110409_193857_000000503101_00200_47628_2014.N1	09-APR-2011 19:38:57	Bright	50.000	66	37Gam Cyg	2.2080	5900.0	100	47628	No
238	GOM_TRA_1PNPDK20110409_194116_000000483101_00200_47628_2015.N1	09-APR-2011 19:41:16	Bright	47.500	92	53Eps Cyg	2.5000	4500.0	95	47628	No
239	GOM_TRA_1PNPDK20110409_194817_000000483101_00200_47628_2016.N1	09-APR-2011 19:48:17	Tw_i_and_stray	47.500	61	8Eps Peg	2.1000	3900.0	95	47628	No
240	GOM_TRA_1PNPDK20110409_195308_000000493101_00200_47628_2017.N1	09-APR-2011 19:53:08	Dark	48.500	154	22Bet Aqr	2.8990	5700.0	97	47628	No
241	GOM_TRA_1PNPDK20110409_200813_000000583101_00201_47629_2018.N1	09-APR-2011 20:08:13	Dark	58.000	103	38Zet Sgr	2.6000	9700.0	116	47629	No
242	GOM_TRA_1PNPDK20110409_201151_000000573101_00201_47629_2019.N1	09-APR-2011 20:11:51	Dark	56.500	38	20Eps Sgr	1.8360	11000.	113	47629	No
243	GOM_TRA_1PNPDK20110409_201559_000000463101_00201_47629_2020.N1	09-APR-2011 20:15:59	Dark	46.000	25	35Lam Sco	1.6200	28000.	92	47629	No
244	GOM_TRA_1PNPDE20110409_202252_000000453101_00201_47629_4086.N1	09-APR-2011 20:22:52	Straylight	44.500	78	Alp Lup	2.3040	28000.	89	47629	No
245	GOM_TRA_1PNPDE20110409_202428_000000453101_00201_47629_4087.N1	09-APR-2011 20:24:28	Straylight	45.000	81	Eta Cen	2.3560	28000.	90	47629	No
246	GOM_TRA_1PNPDE20110409_202657_000000523101_00201_47629_4088.N1	09-APR-2011 20:26:57	Straylight	52.000	54	5The Cen	2.0550	4500.0	104	47629	No

247	GOM_TRA_1PNPDE20110409_203154_000000473101_00201_47629_4089.N1	09-APR-2011 20:31:54	Twilight	47.000	169	46Gam Hya	2.9910	4700.0	94	47629	No
248	GOM_TRA_1PNPDE20110409_203542_000000513101_00201_47629_4090.N1	09-APR-2011 20:35:42	Bright	50.500	15	67Alp Vir	0.97600	28000.	101	47629	No
249	GOM_TRA_1PNPDE20110409_203848_000000403101_00201_47629_4091.N1	09-APR-2011 20:38:48	Bright	40.000	121	29Gam Vir	2.7400	7200.0	80	47629	No
250	GOM_TRA_1PNPDE20110409_204249_000000423101_00201_47629_4092.N1	09-APR-2011 20:42:49	Bright	41.500	138	47Eps Vir	2.8280	4700.0	83	47629	No
251	GOM_TRA_1PNPDE20110409_205104_000000393101_00201_47629_4093.N1	09-APR-2011 20:51:04	Bright	39.000	152	12Alp2CVn	2.8900	11000.	78	47629	No
252	GOM_TRA_1PNPDE20110409_205558_000000393101_00201_47629_4094.N1	09-APR-2011 20:55:58	Bright	39.000	32	77Eps UMa	1.7630	11000.	78	47629	No
253	GOM_TRA_1PNPDE20110409_210223_000000383101_00201_47629_4095.N1	09-APR-2011 21:02:23	Bright	37.500	60	7Bet UMi	2.0810	3950.0	75	47629	No
254	GOM_TRA_1PNPDE20110409_210420_000000483101_00201_47629_4096.N1	09-APR-2011 21:04:20	Bright	48.000	119	14Eta Dra	2.7270	4700.0	96	47629	No
255	GOM_TRA_1PNPDE20110409_211216_000000373101_00201_47629_4097.N1	09-APR-2011 21:12:16	Bright	37.000	89	5Alp Cep	2.4510	8000.0	74	47629	No
256	GOM_TRA_1PNPDE20110409_211729_000000433101_00201_47629_4098.N1	09-APR-2011 21:17:29	Bright	43.000	19	50Alp Cyg	1.2460	10500.	86	47629	No
257	GOM_TRA_1PNPDE20110409_211911_000000513101_00201_47629_4099.N1	09-APR-2011 21:19:11	Bright	51.000	66	37Gam Cyg	2.2080	5900.0	102	47629	No
258	GOM_TRA_1PNPDE20110409_212131_000000503101_00201_47629_4100.N1	09-APR-2011 21:21:31	Bright	49.500	92	53Eps Cyg	2.5000	4500.0	99	47629	No
259	GOM_TRA_1PNPDE20110409_212831_000000483101_00201_47629_4101.N1	09-APR-2011 21:28:31	Twilight	48.000	61	8Eps Peg	2.1000	3900.0	96	47629	No
260	GOM_TRA_1PNPDE20110409_213322_000000473101_00201_47629_4102.N1	09-APR-2011 21:33:22	Dark	47.000	154	22Bet Aqr	2.8990	5700.0	94	47629	No
261	GOM_TRA_1PNPDE20110409_214828_000000573101_00202_47630_4094.N1	09-APR-2011 21:48:28	Dark	56.500	103	38Zet Sgr	2.6000	9700.0	113	47630	No
262	GOM_TRA_1PNPDE20110409_215206_000000613101_00202_47630_4095.N1	09-APR-2011 21:52:06	Dark	61.000	38	20Eps Sgr	1.8360	11000.	122	47630	No
263	GOM_TRA_1PNPDE20110409_215614_000000453101_00202_47630_4096.N1	09-APR-2011 21:56:14	Dark	45.000	25	35Lam Sco	1.6200	28000.	90	47630	No
264	GOM_TRA_1PNPDE20110409_220307_000000443101_00202_47630_4097.N1	09-APR-2011 22:03:07	Straylight	43.500	78	Alp Lup	2.3040	28000.	87	47630	No
265	GOM_TRA_1PNPDE20110409_220442_000000473101_00202_47630_4098.N1	09-APR-2011 22:04:42	Straylight	47.000	81	Eta Cen	2.3560	28000.	94	47630	No
266	GOM_TRA_1PNPDE20110409_220711_000000543101_00202_47630_4099.N1	09-APR-2011 22:07:11	Straylight	54.000	54	5The Cen	2.0550	4500.0	108	47630	No
267	GOM_TRA_1PNPDE20110409_221208_000000443101_00202_47630_4100.N1	09-APR-2011 22:12:08	Twilight	43.500	169	46Gam Hya	2.9910	4700.0	87	47630	No
268	GOM_TRA_1PNPDE20110409_221556_000000523101_00202_47630_4101.N1	09-APR-2011 22:15:56	Bright	51.500	15	67Alp Vir	0.97600	28000.	103	47630	No
269	GOM_TRA_1PNPDE20110409_221902_000000403101_00202_47630_4102.N1	09-APR-2011 22:19:02	Bright	40.000	121	29Gam Vir	2.7400	7200.0	80	47630	No
270	GOM_TRA_1PNPDE20110409_222302_000000413101_00202_47630_4103.N1	09-APR-2011 22:23:02	Bright	41.000	138	47Eps Vir	2.8280	4700.0	82	47630	No
271	GOM_TRA_1PNPDE20110409_223118_000000493101_00202_47630_4104.N1	09-APR-2011 22:31:18	Bright	48.500	152	12Alp2CVn	2.8900	11000.	97	47630	No
272	GOM_TRA_1PNPDE20110409_223612_000000403101_00202_47630_4105.N1	09-APR-2011 22:36:12	Bright	39.500	32	77Eps UMa	1.7630	11000.	79	47630	No
273	GOM_TRA_1PNPDE20110409_224237_000000413101_00202_47630_4106.N1	09-APR-2011 22:42:37	Bright	40.500	60	7Bet UMi	2.0810	3950.0	81	47630	No
274	GOM_TRA_1PNPDE20110409_224433_000000493101_00202_47630_4107.N1	09-APR-2011 22:44:33	Bright	48.500	119	14Eta Dra	2.7270	4700.0	97	47630	No
275	GOM_TRA_1PNPDE20110409_225229_000000413101_00202_47630_4108.N1	09-APR-2011 22:52:29	Bright	40.500	89	5Alp Cep	2.4510	8000.0	81	47630	No
276	GOM_TRA_1PNPDE20110409_225742_000000443101_00202_47630_4109.N1	09-APR-2011 22:57:42	Bright	43.500	19	50Alp Cyg	1.2460	10500.	87	47630	No
277	GOM_TRA_1PNPDE20110409_225925_000000503101_00202_47630_4110.N1	09-APR-2011 22:59:25	Bright	50.000	66	37Gam Cyg	2.2080	5900.0	100	47630	No
278	GOM_TRA_1PNPDE20110409_230845_000000473101_00202_47630_4111.N1	09-APR-2011 23:08:45	Twilight	47.000	61	8Eps Peg	2.1000	3900.0	94	47630	No
279	GOM_TRA_1PNPDE20110409_231337_000000473101_00202_47630_4112.N1	09-APR-2011 23:13:37	Dark	46.500	154	22Bet Aqr	2.8990	5700.0	93	47630	No
280	GOM_TRA_1PNPDE20110409_232843_000000573101_00203_47631_4120.N1	09-APR-2011 23:28:43	Dark	57.000	103	38Zet Sgr	2.6000	9700.0	114	47631	No
281	GOM_TRA_1PNPDE20110409_233222_000000623101_00203_47631_4121.N1	09-APR-2011 23:32:22	Dark	61.500	38	20Eps Sgr	1.8360	11000.	123	47631	No
282	GOM_TRA_1PNPDE20110409_233629_000000453101_00203_47631_4122.N1	09-APR-2011 23:36:29	Dark	45.000	25	35Lam Sco	1.6200	28000.	90	47631	No
283	GOM_TRA_1PNPDE20110409_234321_000000433101_00203_47631_4123.N1	09-APR-2011 23:43:21	Straylight	43.000	78	Alp Lup	2.3040	28000.	86	47631	No
284	GOM_TRA_1PNPDE20110409_234457_000000443101_00203_47631_4124.N1	09-APR-2011 23:44:57	Straylight	44.000	81	Eta Cen	2.3560	28000.	88	47631	No
285	GOM_TRA_1PNPDE20110409_234726_000000503101_00203_47631_4125.N1	09-APR-2011 23:47:26	Straylight	49.500	54	5The Cen	2.0550	4500.0	99	47631	No
286	GOM_TRA_1PNPDE20110409_235222_000000443101_00203_47631_4126.N1	09-APR-2011 23:52:22	Twilight	44.000	169	46Gam Hya	2.9910	4700.0	88	47631	No
287	GOM_TRA_1PNPDE20110409_235610_000000623101_00203_47631_4127.N1	09-APR-2011 23:56:10	Bright	62.000	15	67Alp Vir	0.97600	28000.	124	47631	No
288	GOM_TRA_1PNPDE20110409_235916_000000393101_00203_47631_4128.N1	09-APR-2011 23:59:16	Bright	38.500	121	29Gam Vir	2.7400	7200.0	77	47631	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.

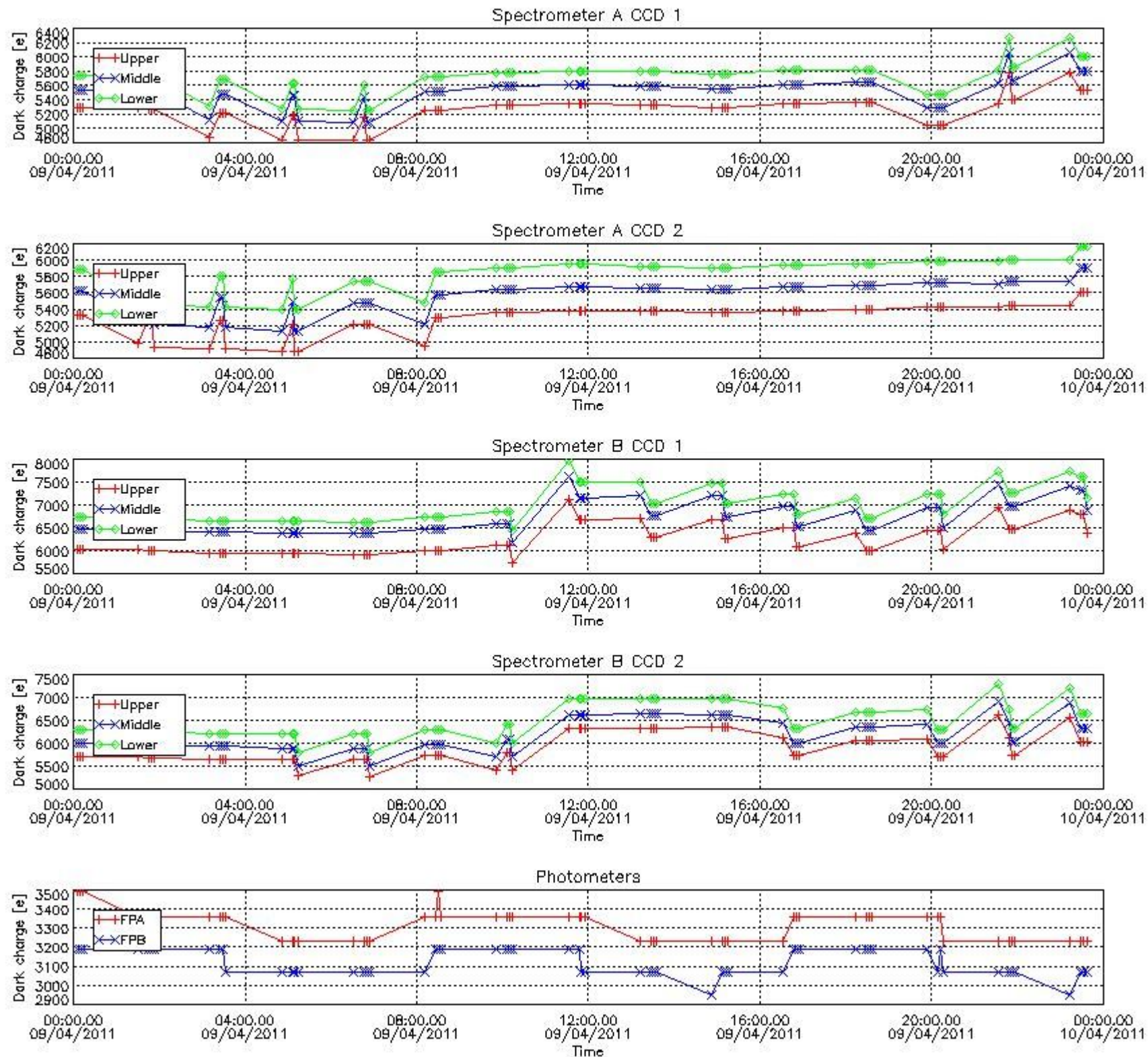
##### 4.1 These products did not use the DSA observation for DC computation:

Product name	DC information
GOM_TRA_1PNPDE20110409_202252_000000453101_00201_47629_4086.N1	DC map used
GOM_TRA_1PNPDE20110409_202428_000000453101_00201_47629_4087.N1	DC map used
GOM_TRA_1PNPDE20110409_202657_000000523101_00201_47629_4088.N1	DC map used
GOM_TRA_1PNPDE20110409_203154_000000473101_00201_47629_4089.N1	DC map used
GOM_TRA_1PNPDE20110409_203542_000000513101_00201_47629_4090.N1	DC map used
GOM_TRA_1PNPDE20110409_203848_000000403101_00201_47629_4091.N1	DC map used
GOM_TRA_1PNPDE20110409_204249_000000423101_00201_47629_4092.N1	DC map used
GOM_TRA_1PNPDE20110409_205104_000000393101_00201_47629_4093.N1	DC map used
GOM_TRA_1PNPDE20110409_205558_000000393101_00201_47629_4094.N1	DC map used
GOM_TRA_1PNPDE20110409_210223_000000383101_00201_47629_4095.N1	DC map used
GOM_TRA_1PNPDE20110409_210420_000000483101_00201_47629_4096.N1	DC map used
GOM_TRA_1PNPDE20110409_211216_000000373101_00201_47629_4097.N1	DC map used
GOM_TRA_1PNPDE20110409_211729_000000433101_00201_47629_4098.N1	DC map used
GOM_TRA_1PNPDE20110409_211911_000000513101_00201_47629_4099.N1	DC map used



GOM_TRA_1PNPDE20110409_212131_000000503101_00201_47629_4100.N1	DC map used
GOM_TRA_1PNPDE20110409_212831_000000483101_00201_47629_4101.N1	DC map used
GOM_TRA_1PNPDE20110409_213322_000000473101_00201_47629_4102.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

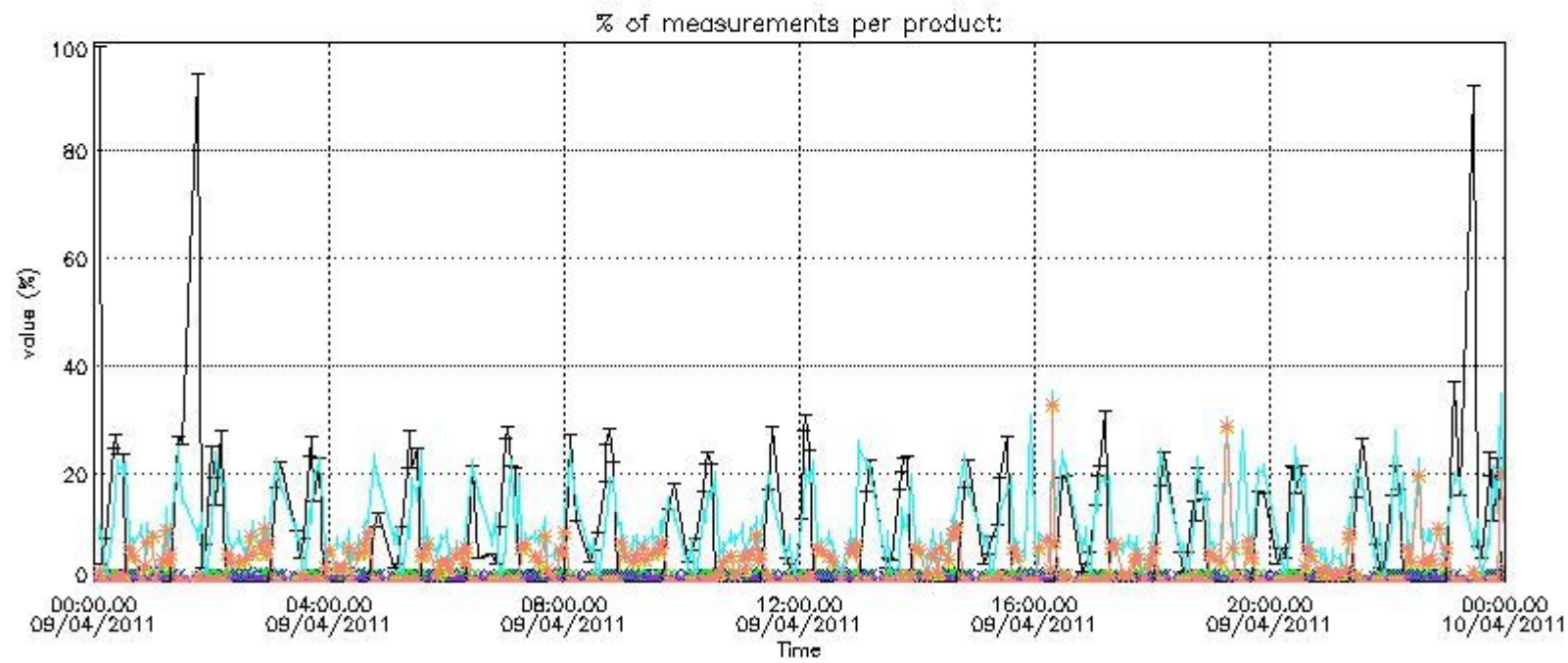
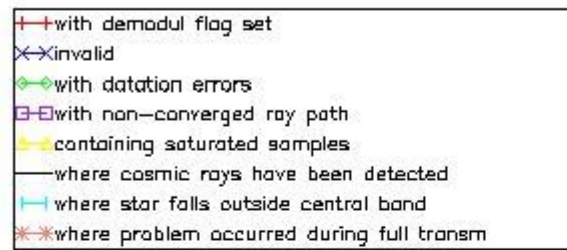
In this section it is presented the modulation information extracted from the pcd (product confidence data) at measurement level and information extracted from the Quality Summary dataset. Only products without errors

(error flag in the MPH set to "0") are used.

*5.1 Percentage of products during reporting period with:*

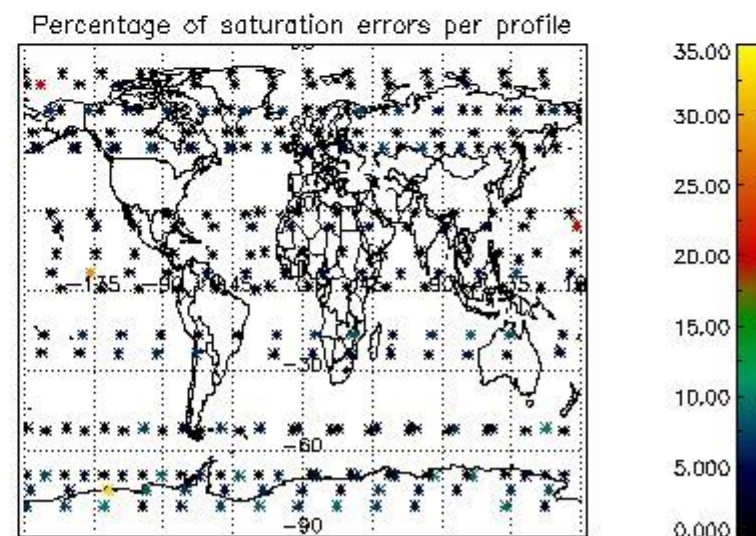
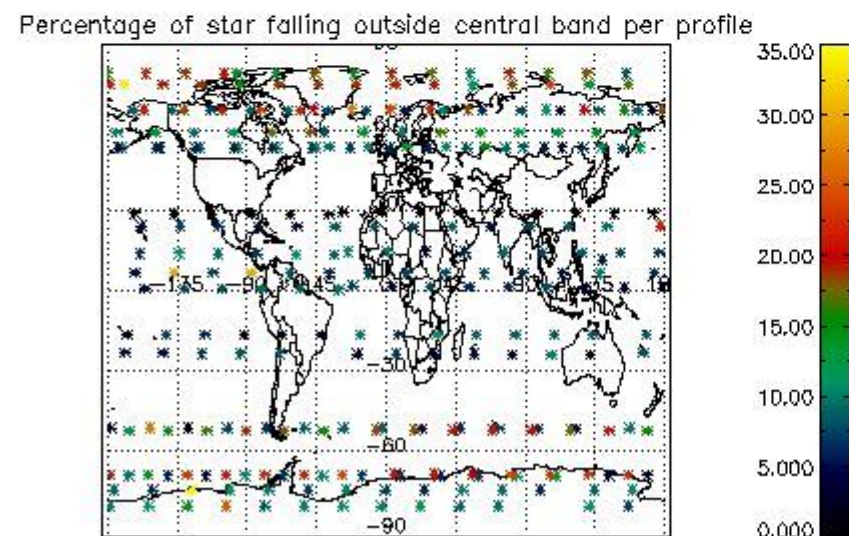
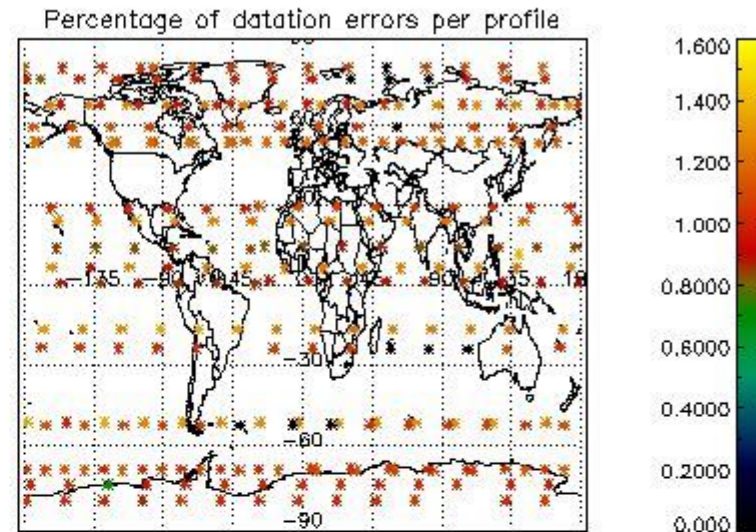
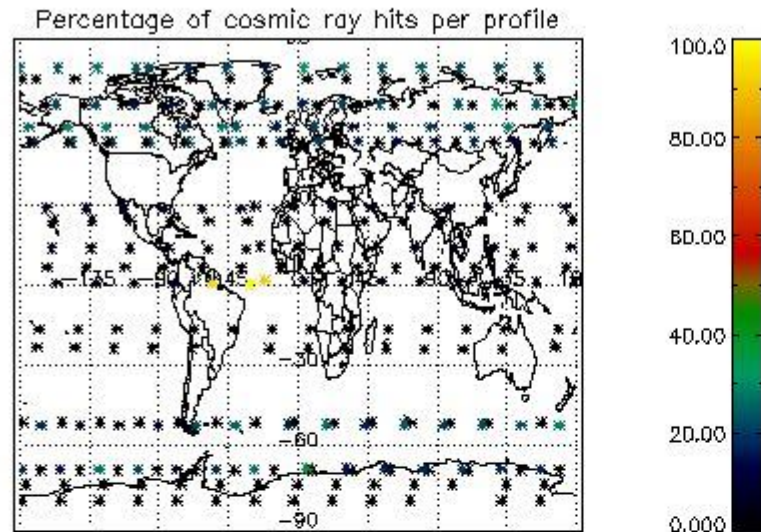
At least one measurement with demodulation flag set:	44.9477 %
Reference spectrum computed from DB:	0.00000 %
Reference spectrum with small number of measurements:	0.00000 %
SATU data not used:	0.00000 %

*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)

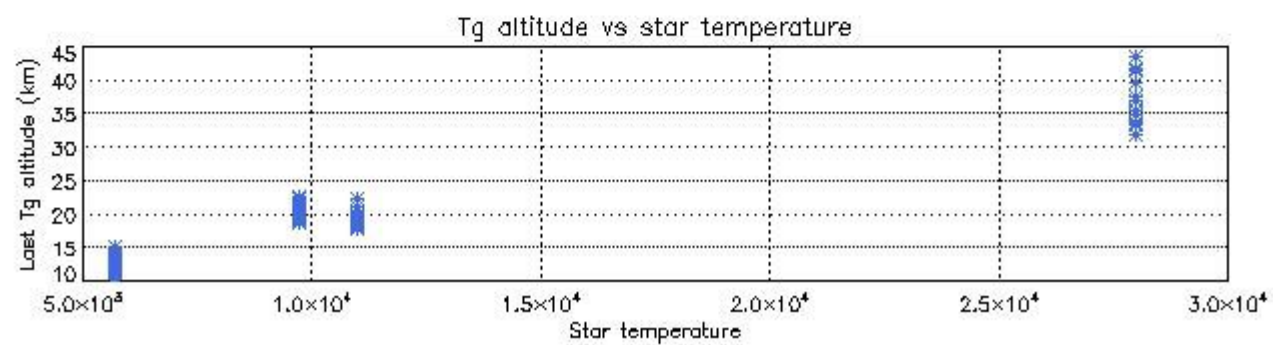
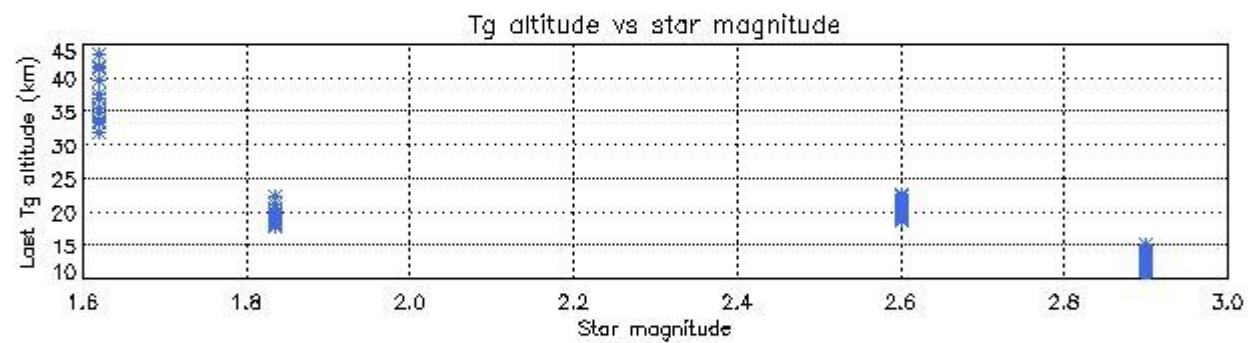
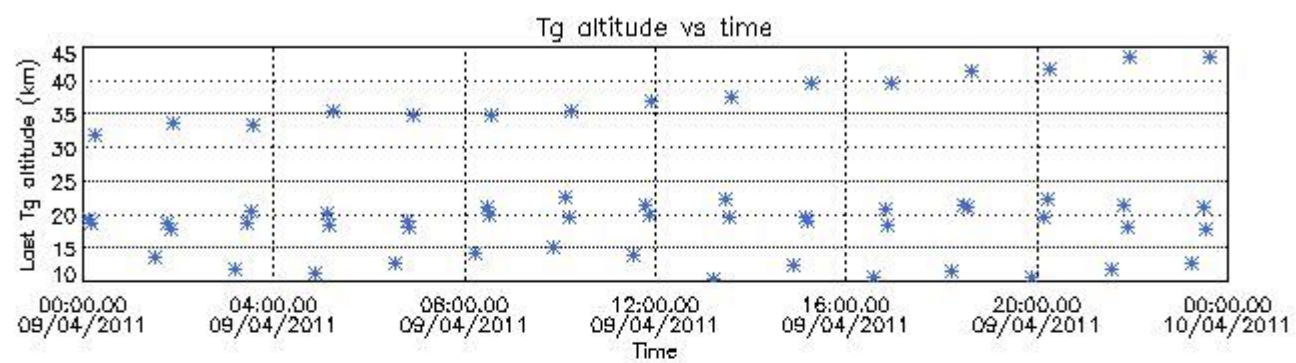
### 6.1 Statistics on tangent altitude lost:

Statistics	DARK	BRIGHT	TWILIGHT
Mean:	22.553	19.009	NaN
St. deviation:	9.5848	4.0935	NaN
Maximum:	43.591	27.481	NaN
Minimum:	10.290	4.2434	NaN
Number of data:	59.000	155.00	NaN

### 6.2 Plot for DARK limb products

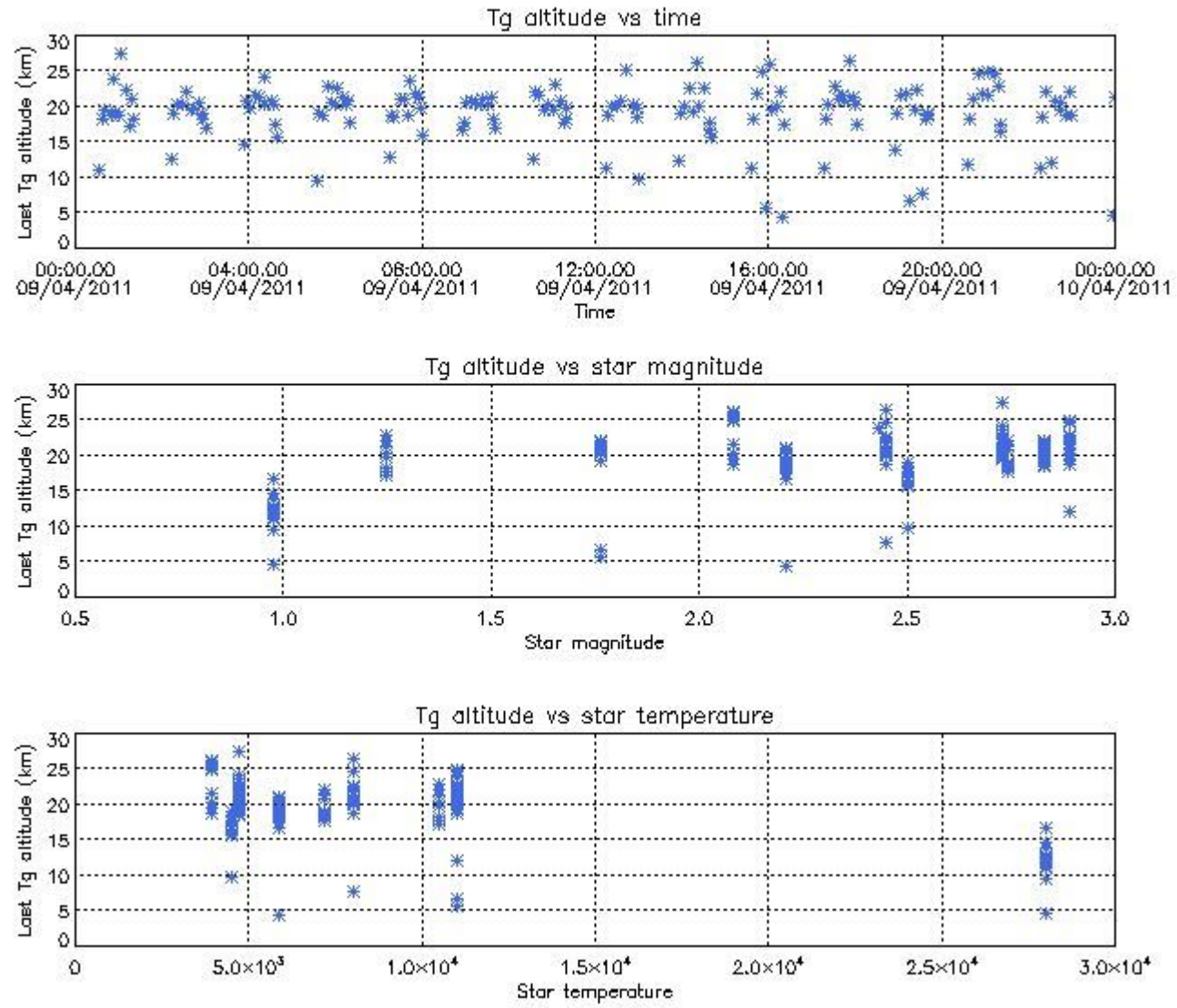


Tangent altitude at which the star is lost



6.3 Plot for BRIGHT limb products

## Tangent altitude at which the star is lost

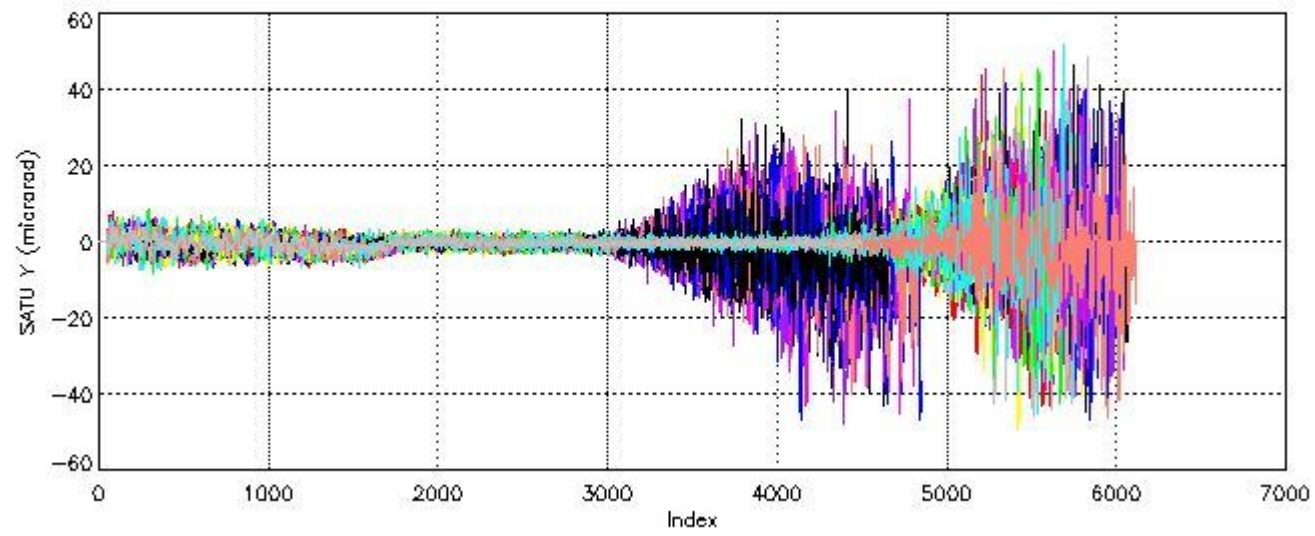
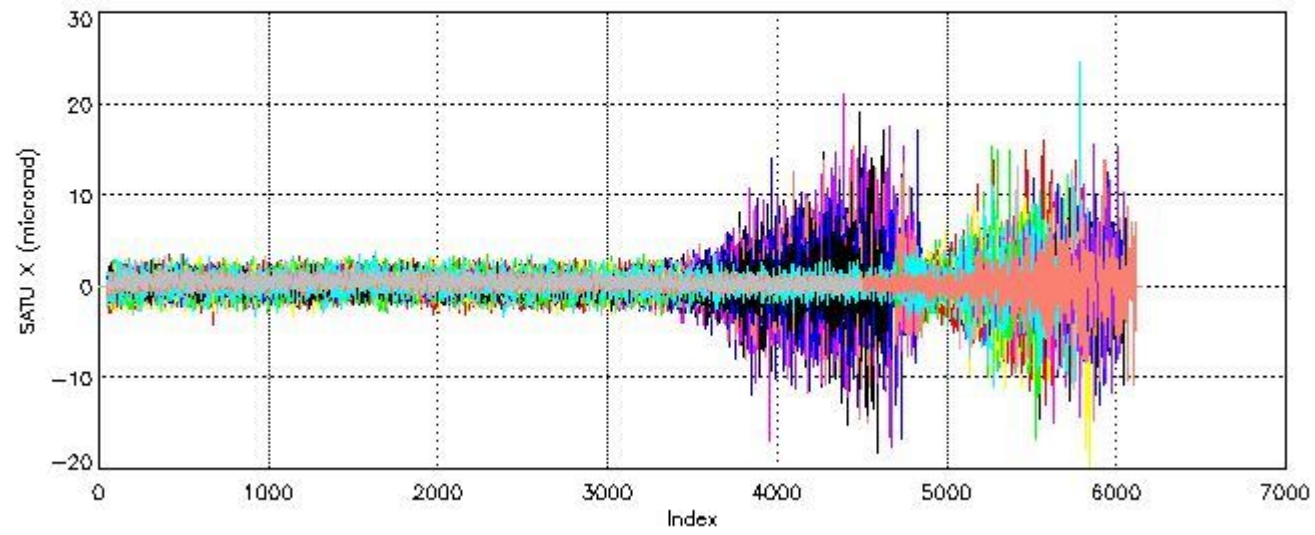


## 7. Star Acquisition and Tracking Unit (SATU)

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:	0.26364	-0.52841	0.24452	-0.92575
St. deviation:	0.66010	1.7357	0.71176	1.5476
Maximum:	3.5000	8.5000	6.5000	8.0000
Minimum:	-4.2000	-8.3000	-6.0000	-8.9000



Number of data:	78600.	78600.	1.5550E+05	1.5550E+05
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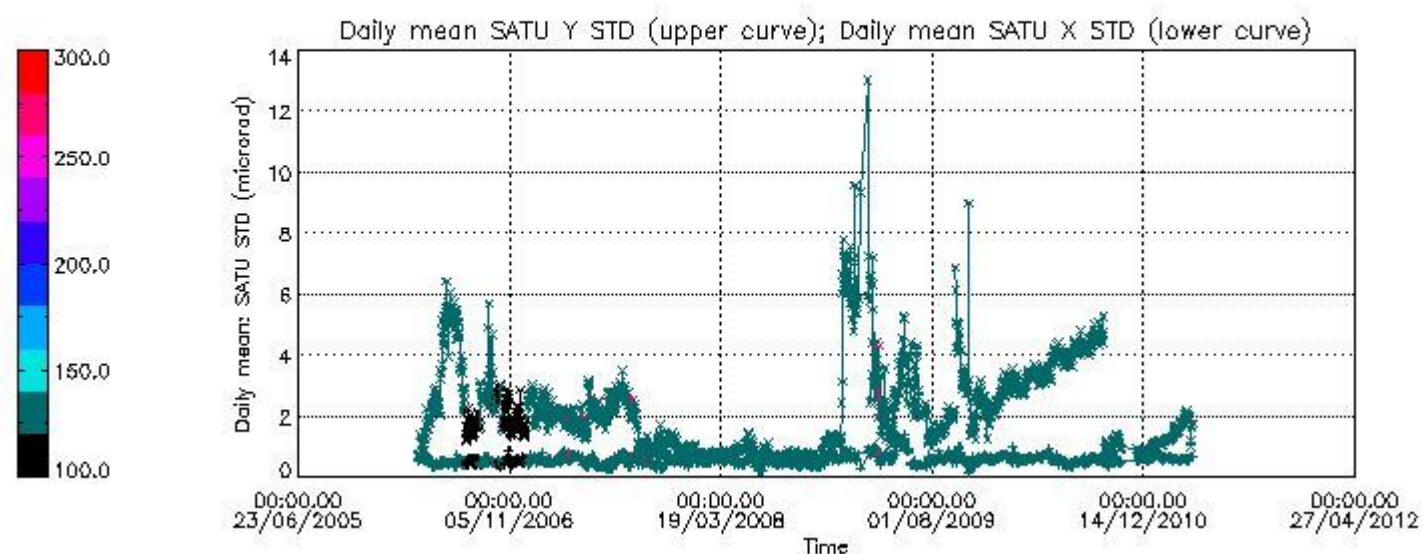
### 7.2.2 Trend of daily SATU NEA St. deviation since 1st April 2006 (dark limb)

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

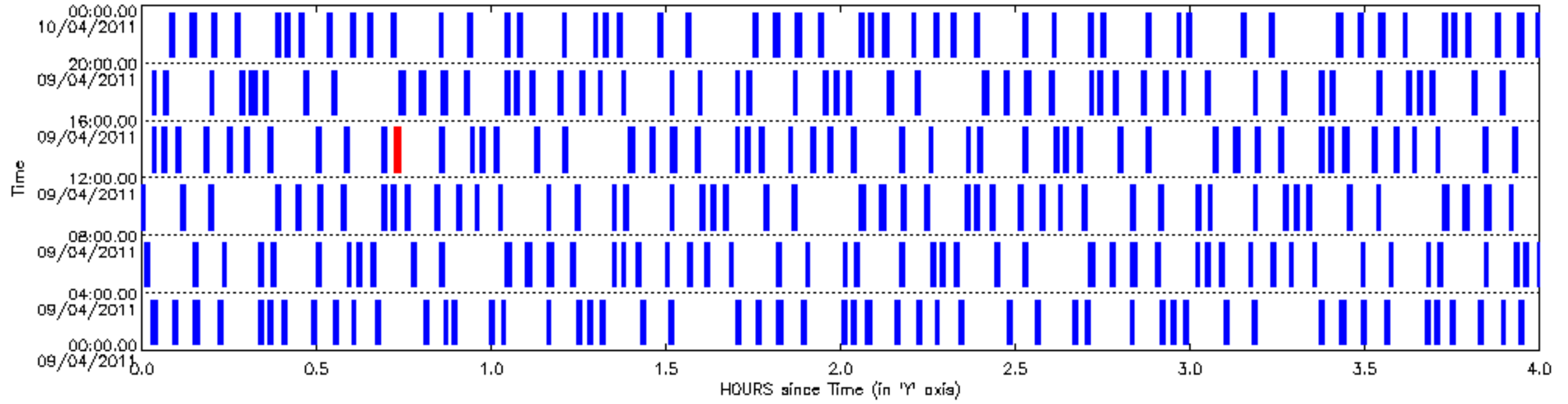


### 8. Auxiliary Data Files used for the production reported in section 2.4

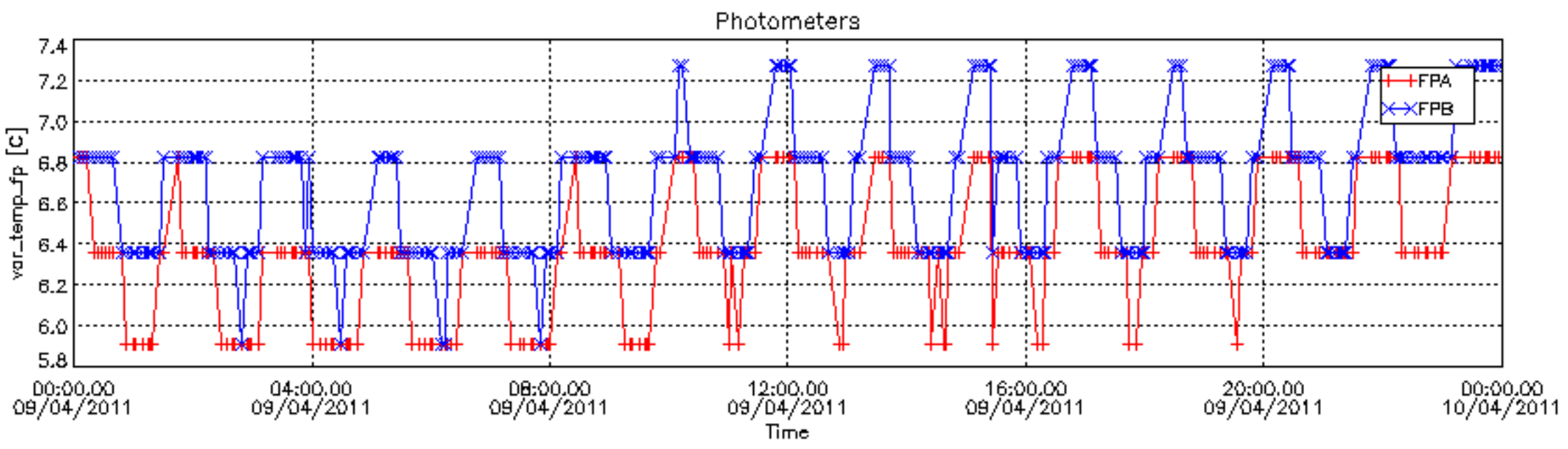
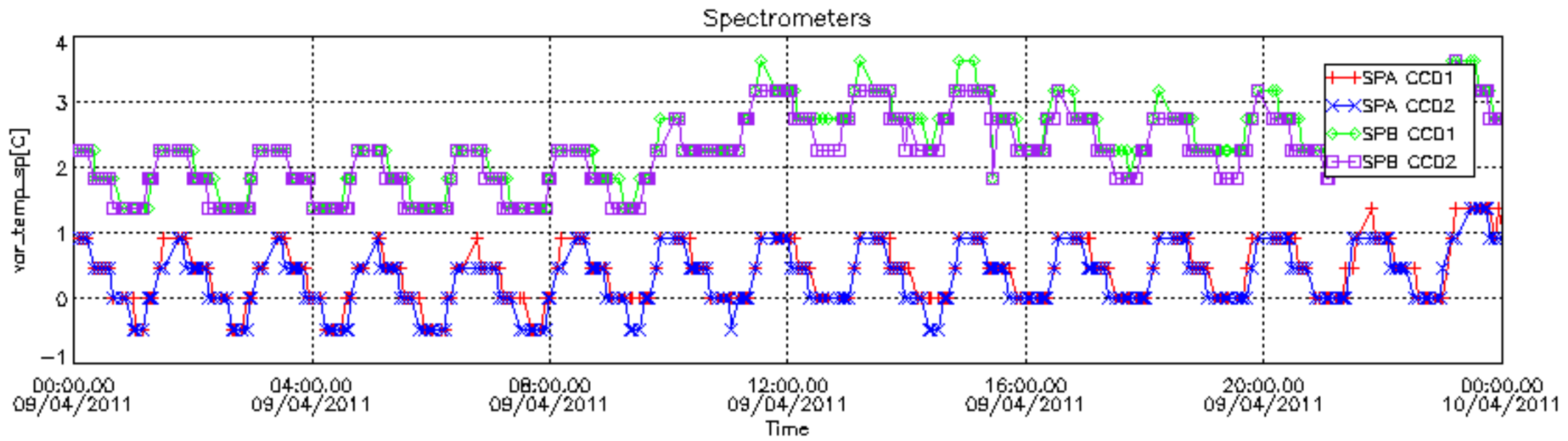
The number reported in the third column indicates since which file (see list in section 2.4) the corresponding auxiliary file has been used. The fourth column is the date of those product files.

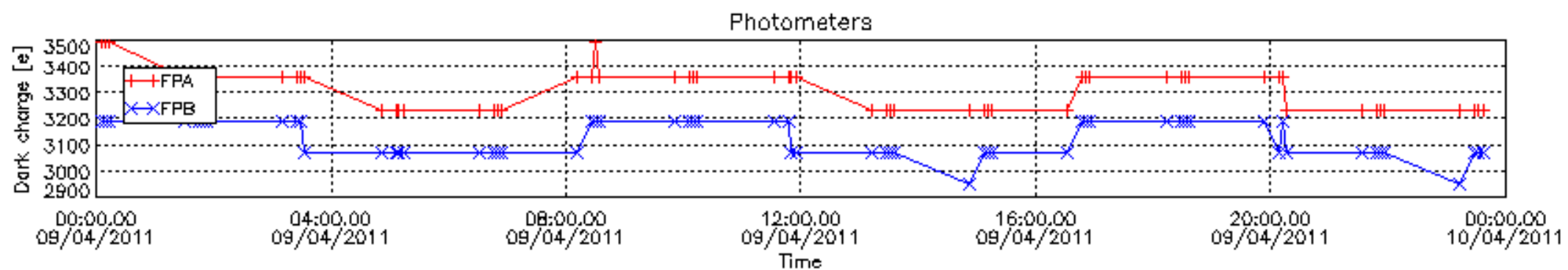
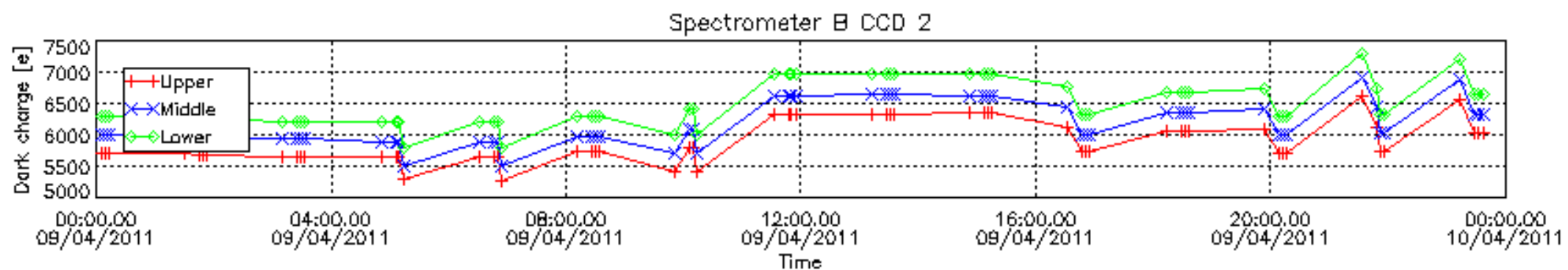
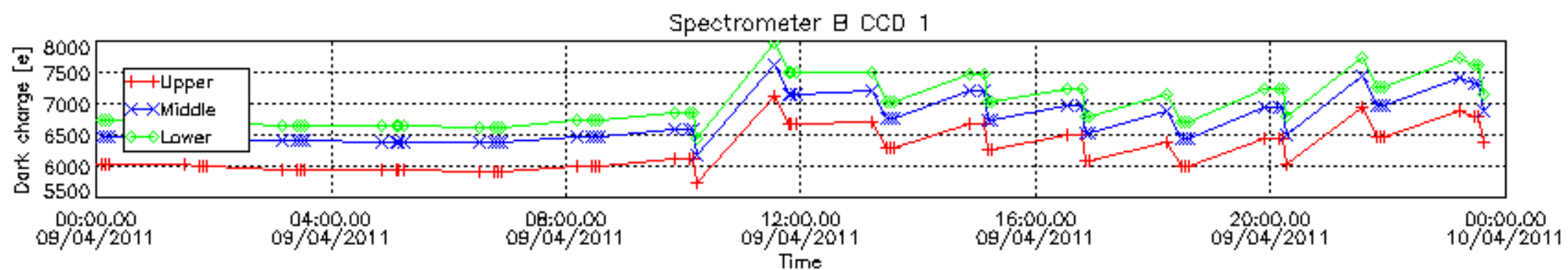
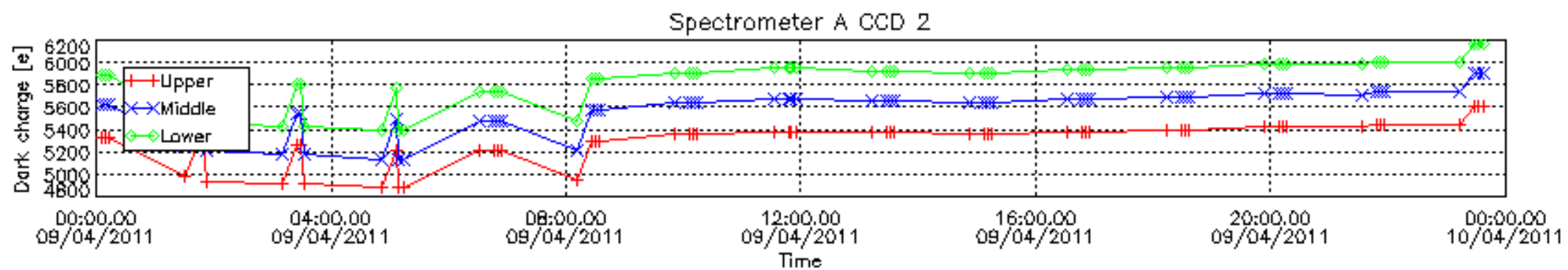
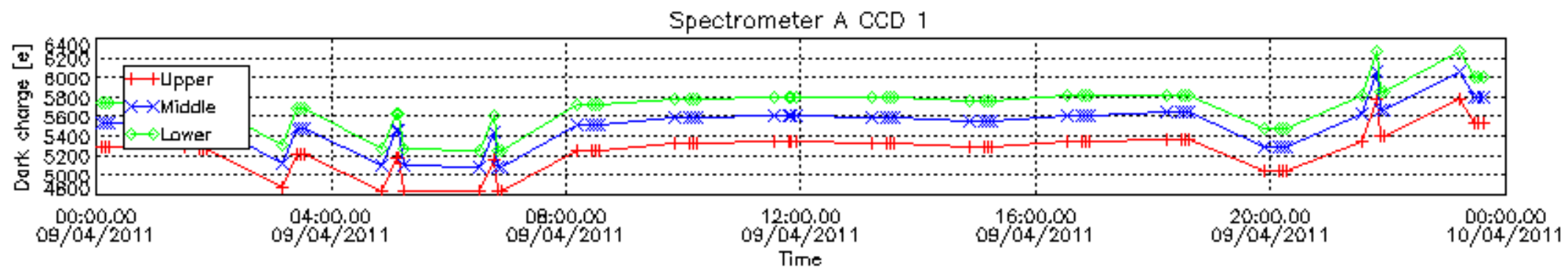
Type	Auxiliary Filename	Used since product	Used since product date
INST_PHYS_CHARACTERISTICS	GOM_INS_AXVIEC20091111_143220_20030716_120000_20500101_000000	1	09-APR-2011 00:05:07
CALIBRATION_DATABASE	GOM_CAL_AXVIEC20110407_084842_20110406_000000_20500101_000000	1	09-APR-2011 00:05:07
LEVEL-1B_PROC_CONFIG	GOM_PR1_AXVIEC20091111_145255_20020301_000000_20500101_000000	1	09-APR-2011 00:05:07
STAR_CATALOGUE	GOM_CAT_AXVIEC20020121_161009_20020101_000000_20200101_000000	1	09-APR-2011 00:05:07
STELLAR_SPECTRA_DATABANK	GOM_STS_AXVIEC20091111_151504_20020101_160000_20500101_000000	1	09-APR-2011 00:05:07
ECMWF_FILE	AUX_ECF_AXNECM20110408_062115_20110408_210000_20110409_090000	1	09-APR-2011 00:05:07
ECMWF_FILE	AUX_ECF_AXNECM20110408_183756_20110409_030000_20110409_150000	56	09-APR-2011 04:29:57
ECMWF_FILE	AUX_ECA_AXNECM20110409_182114_20110409_030000_20110409_150000	98	09-APR-2011 07:57:20
ECMWF_FILE	AUX_ECF_AXNECM20110408_183756_20110409_030000_20110409_150000	110	09-APR-2011 08:57:10
ECMWF_FILE	MISSING	130	09-APR-2011 10:37:24
ECMWF_FILE	AUX_ECF_AXNECM20110408_183756_20110409_030000_20110409_150000	149	09-APR-2011 12:14:32
ECMWF_FILE	AUX_ECA_AXNECM20110409_182115_20110409_090000_20110409_210000	150	09-APR-2011 12:17:38
ECMWF_FILE	MISSING	168	09-APR-2011 13:54:46
ECMWF_FILE	AUX_ECA_AXNECM20110409_182115_20110409_090000_20110409_210000	186	09-APR-2011 15:26:14
ECMWF_FILE	AUX_ECF_AXNECM20110409_062116_20110409_150000_20110410_030000	244	09-APR-2011 20:22:52
ECMWF_FILE	AUX_ECF_AXNECM20110409_062116_20110409_210000_20110410_090000	261	09-APR-2011 21:48:28
OPTIONAL_ECMWF_FILE	MISSING	1	09-APR-2011 00:05:07
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20110408_235323_000054193101_00188_47616_2867.N1	1	09-APR-2011 00:05:07
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20110409_012901_000041443101_00189_47617_2868.N1	22	09-APR-2011 01:45:22
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20110409_024325_000057383101_00190_47618_2869.N1	36	09-APR-2011 02:49:43

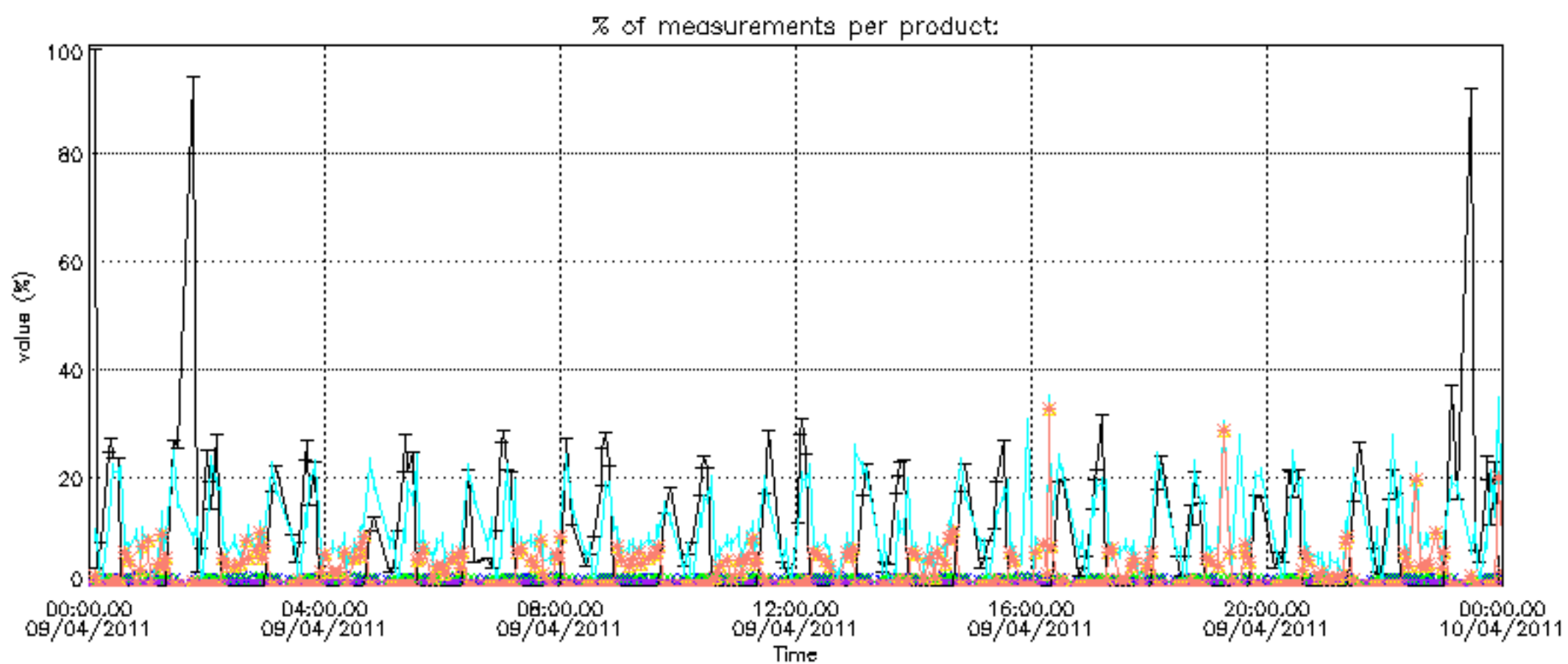
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20110409_042422_000057383101_00191_47619_2870.N1	56	09-APR-2011 04:29:57
ORBIT_DATA_FILE	DOR_NAV_OPNPDK20110409_060519_000038263101_00192_47620_4257.N1	76	09-APR-2011 06:10:10
ORBIT_DATA_FILE	DOR_NAV_OPNPDK20110409_071423_000057383101_00193_47621_4258.N1	90	09-APR-2011 07:16:56
ORBIT_DATA_FILE	DOR_NAV_OPNPDK20110409_085520_000054193101_00194_47622_4259.N1	110	09-APR-2011 08:57:10
ORBIT_DATA_FILE	AUX_FPO_AXVPDS20110409_102113_20110408_190416_20110418_211805	130	09-APR-2011 10:37:24
ORBIT_DATA_FILE	DOR_NAV_OPNPDK20110409_121155_000054193101_00196_47624_4261.N1	150	09-APR-2011 12:17:38
ORBIT_DATA_FILE	DOR_NAV_OPNPDK20110409_134734_000054193101_00197_47625_4262.N1	168	09-APR-2011 13:54:46
ORBIT_DATA_FILE	DOR_NAV_OPNPDK20110409_152312_000057383101_00198_47626_4264.N1	186	09-APR-2011 15:26:14
ORBIT_DATA_FILE	DOR_NAV_OPNPDK20110409_170409_000054203101_00199_47627_4263.N1	206	09-APR-2011 17:06:29
ORBIT_DATA_FILE	DOR_NAV_OPNPDK20110409_183947_000057383101_00200_47628_4265.N1	225	09-APR-2011 18:44:13
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20110409_202044_000041443101_00201_47629_2871.N1	244	09-APR-2011 20:22:52
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20110409_212949_000060573101_00201_47629_2872.N1	261	09-APR-2011 21:48:28
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20110409_231605_000057383101_00202_47630_2873.N1	280	09-APR-2011 23:28:43





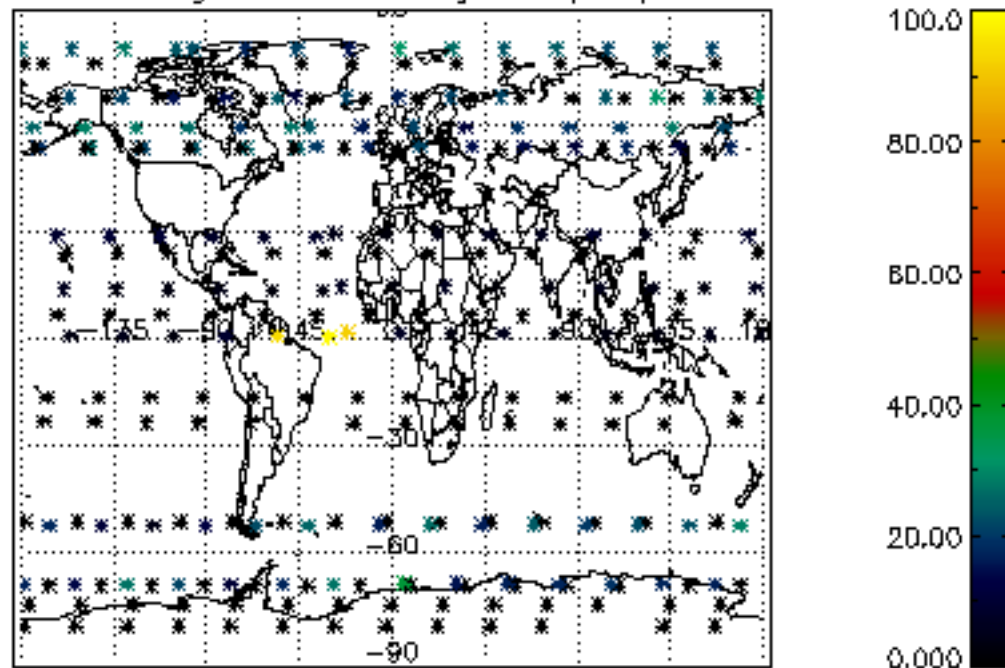




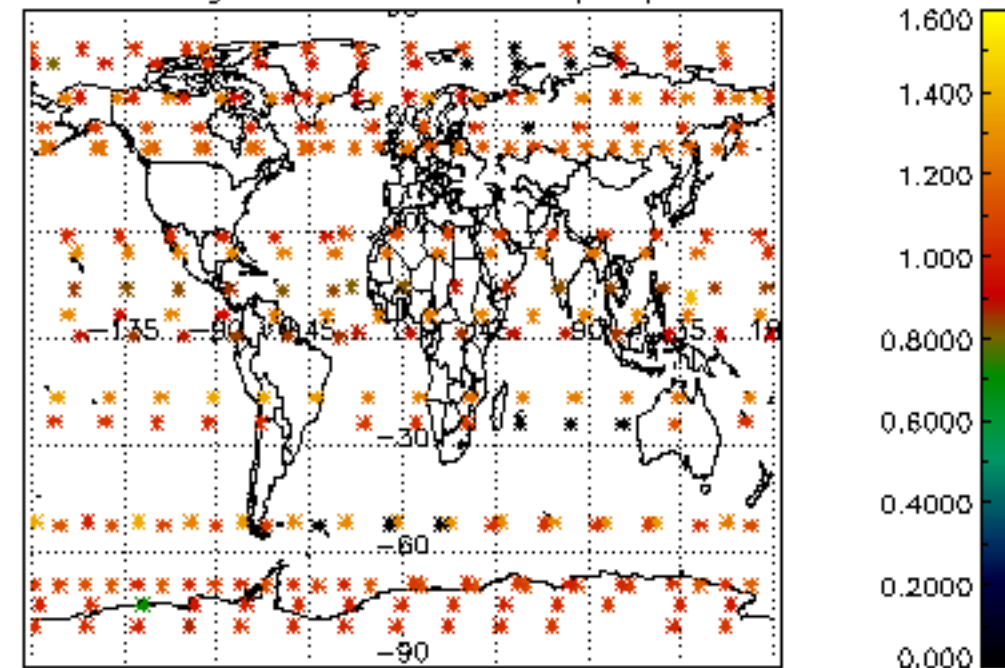




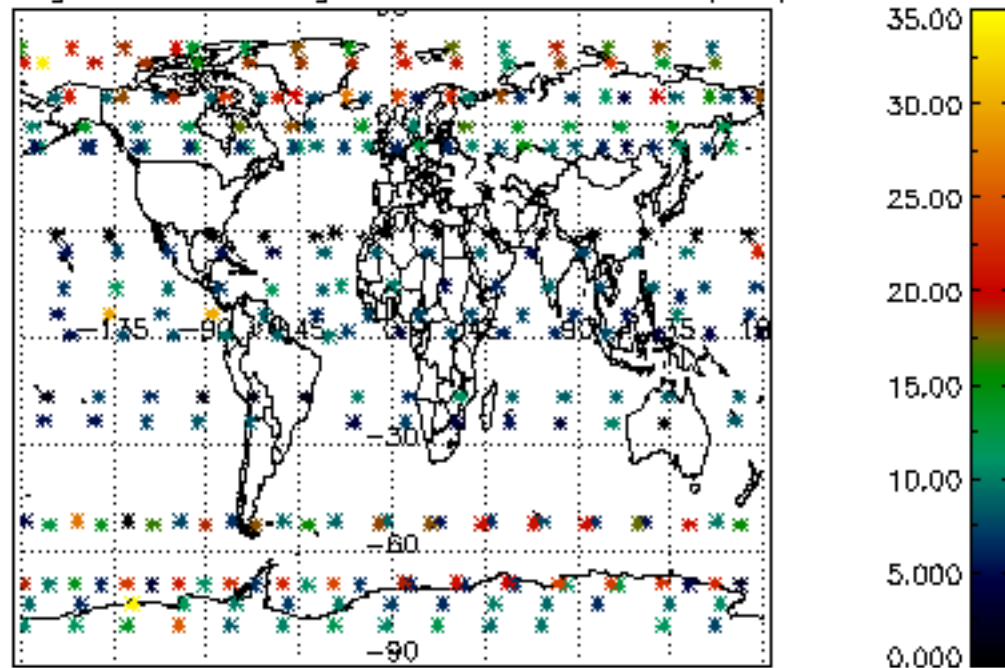
Percentage of cosmic ray hits per profile



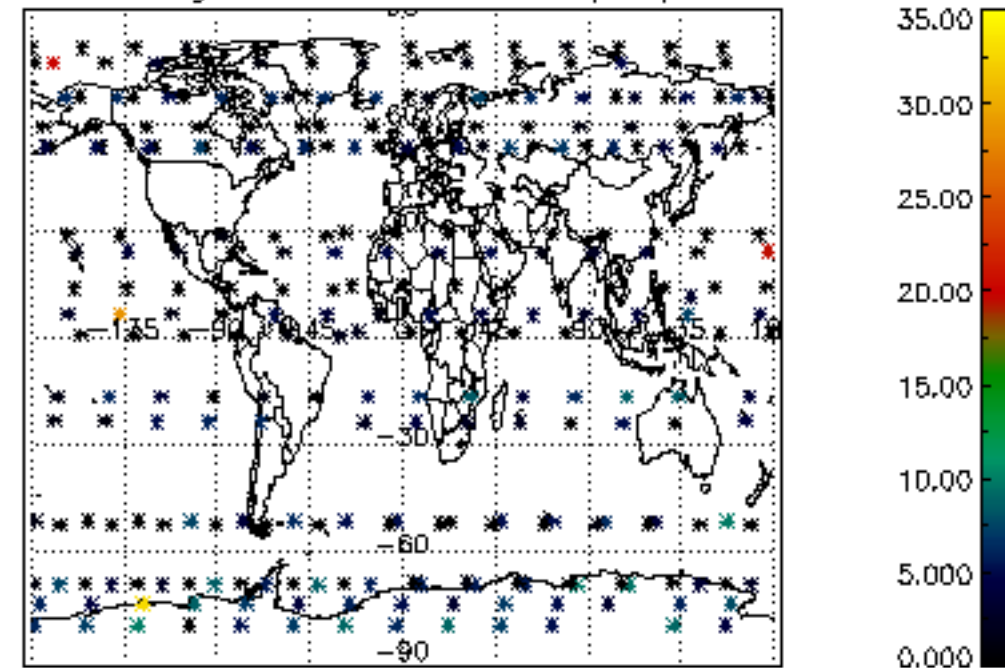
Percentage of datation errors per profile



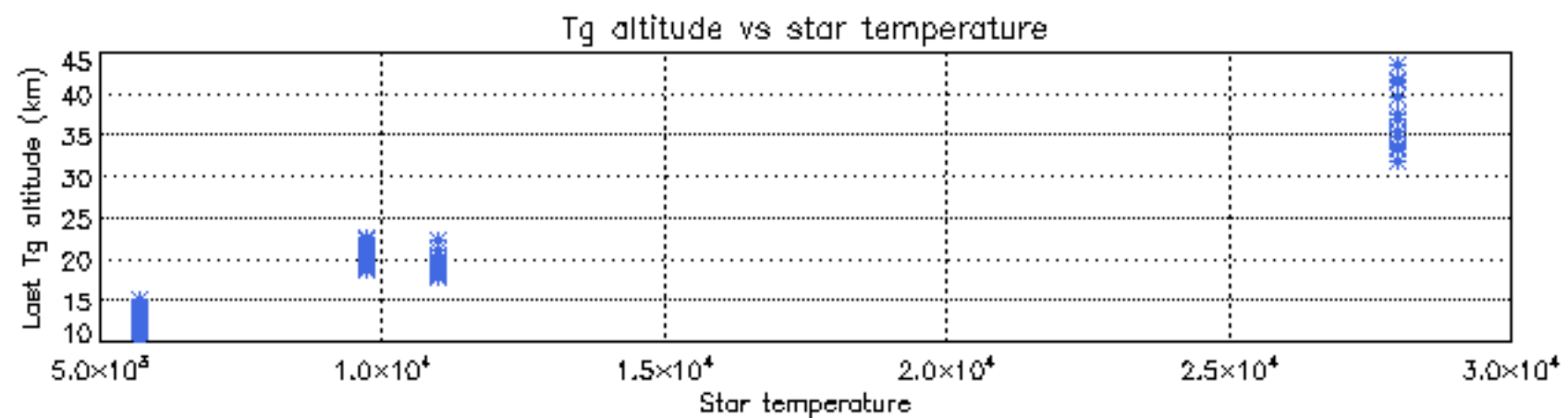
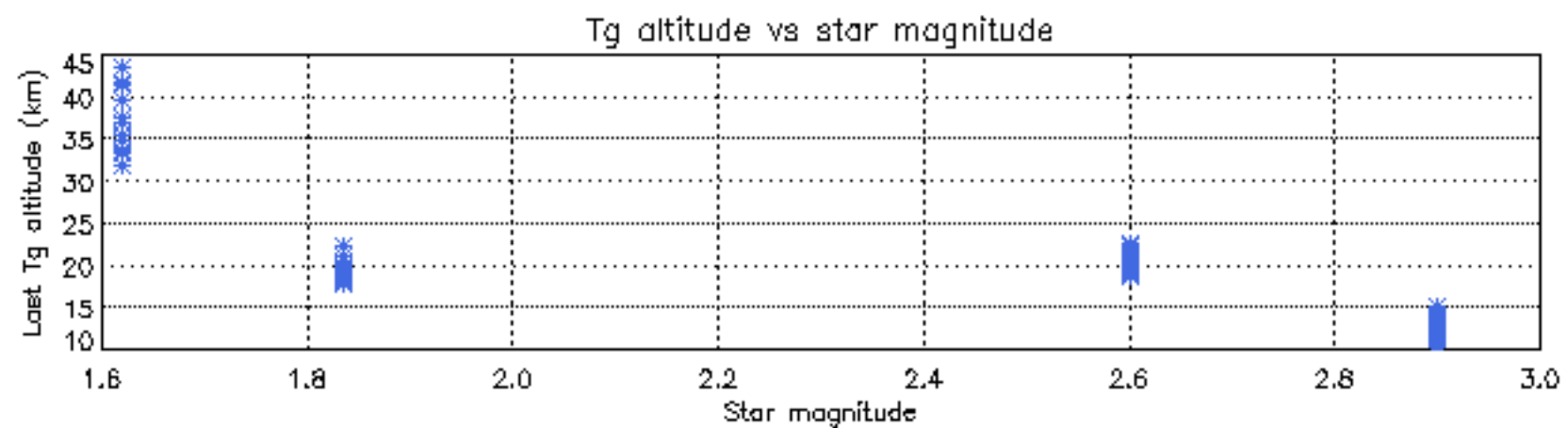
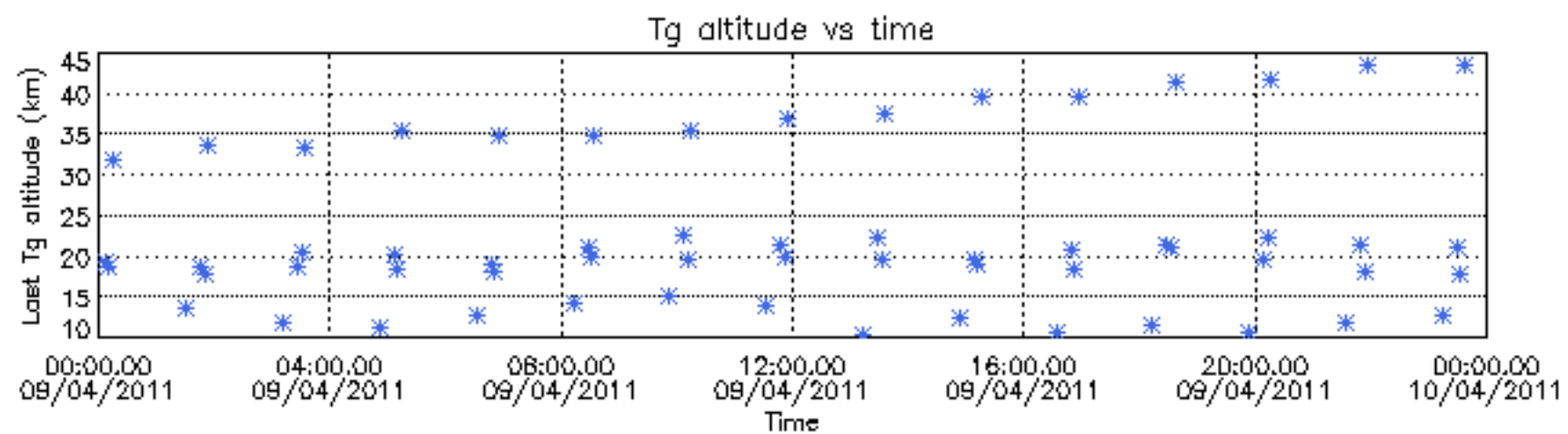
Percentage of star falling outside central band per profile



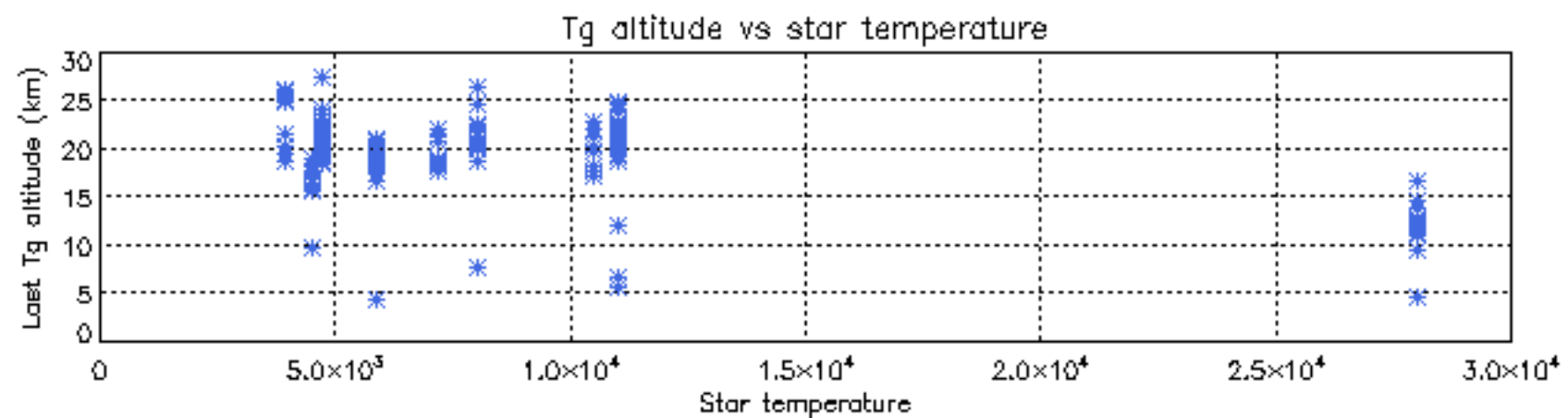
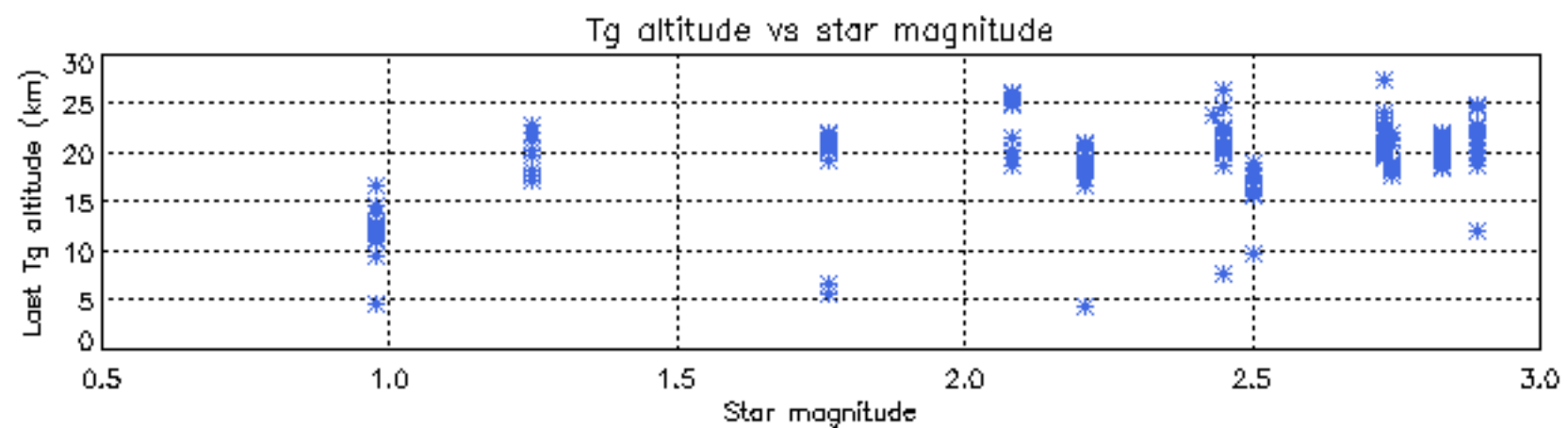
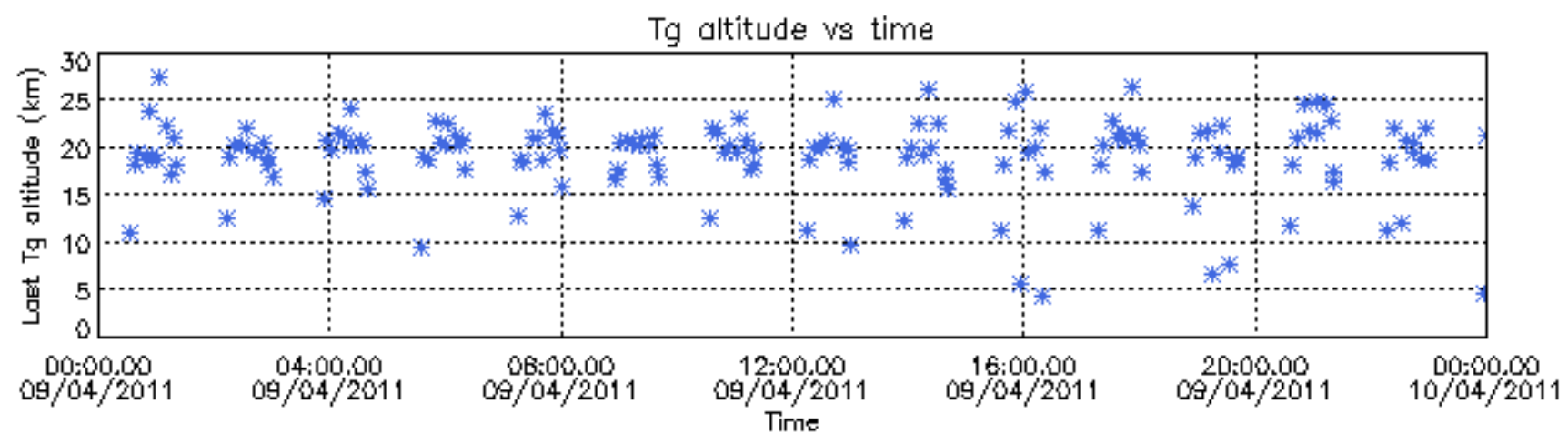
Percentage of saturation errors per profile

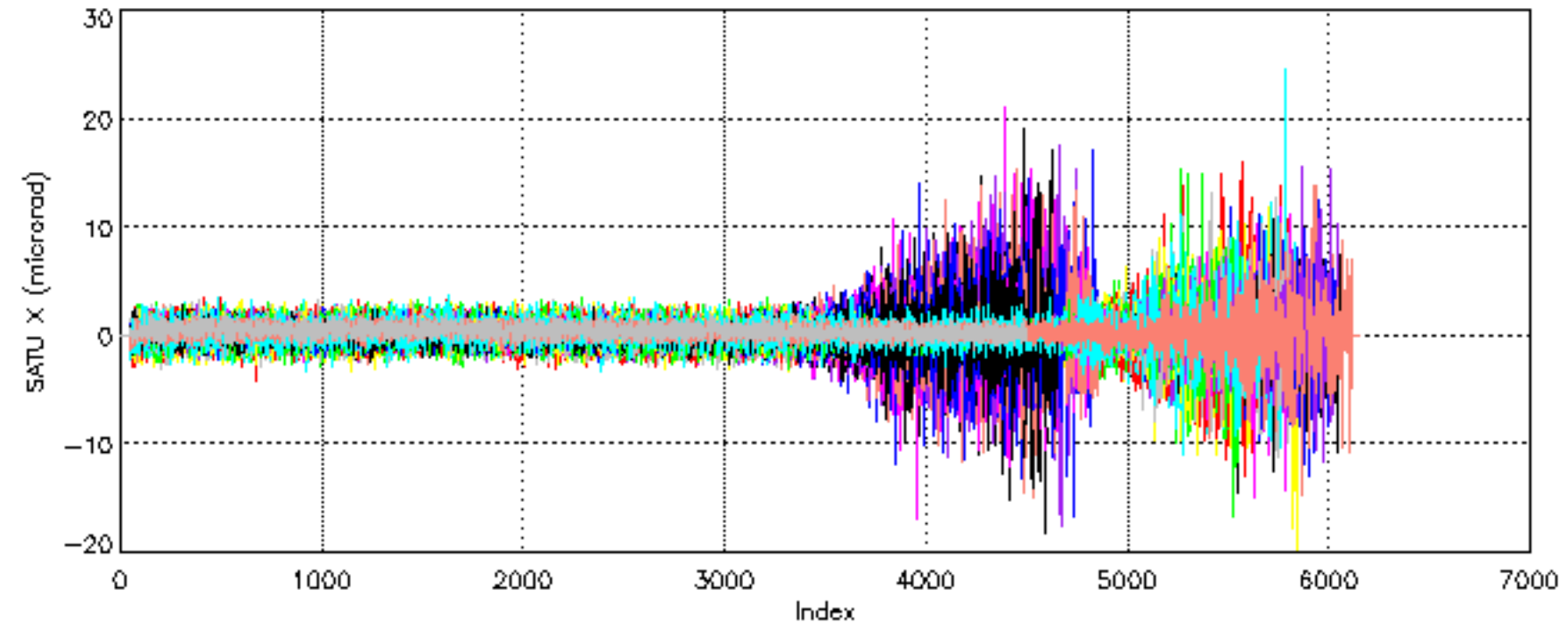


Tangent altitude at which the star is lost

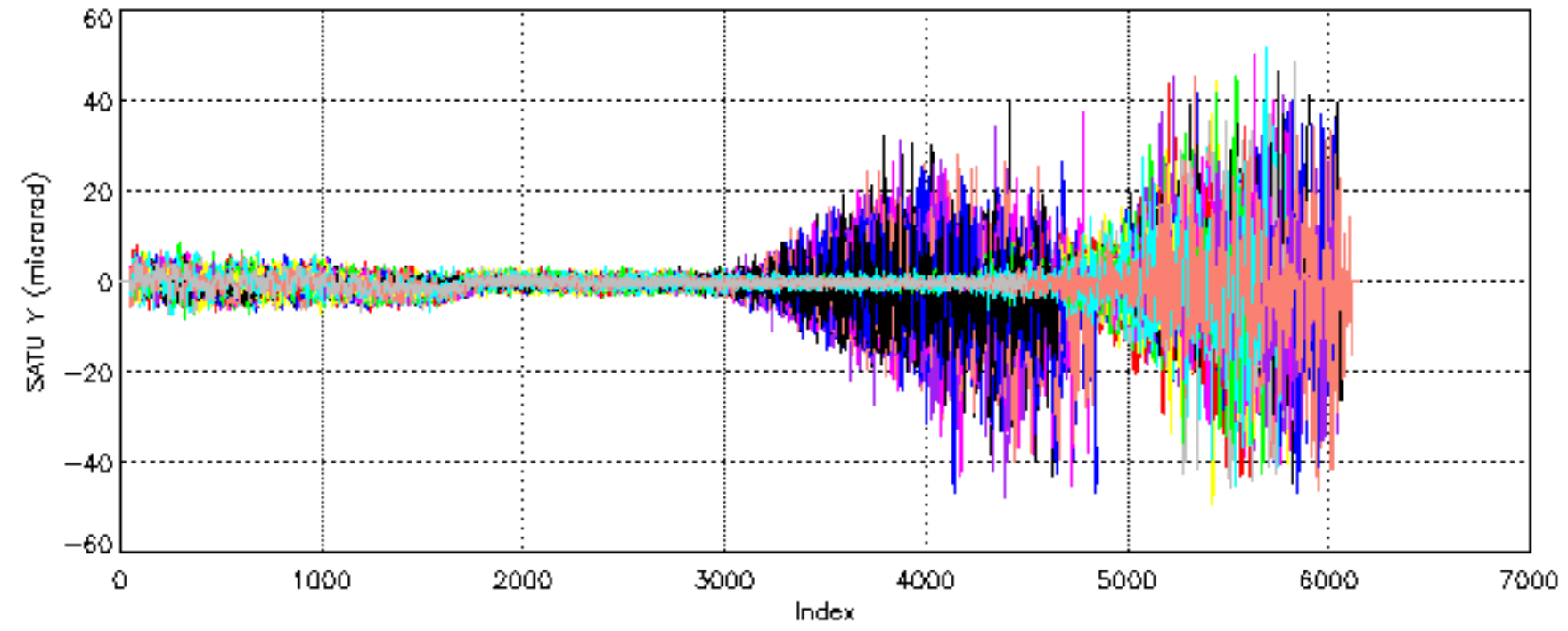


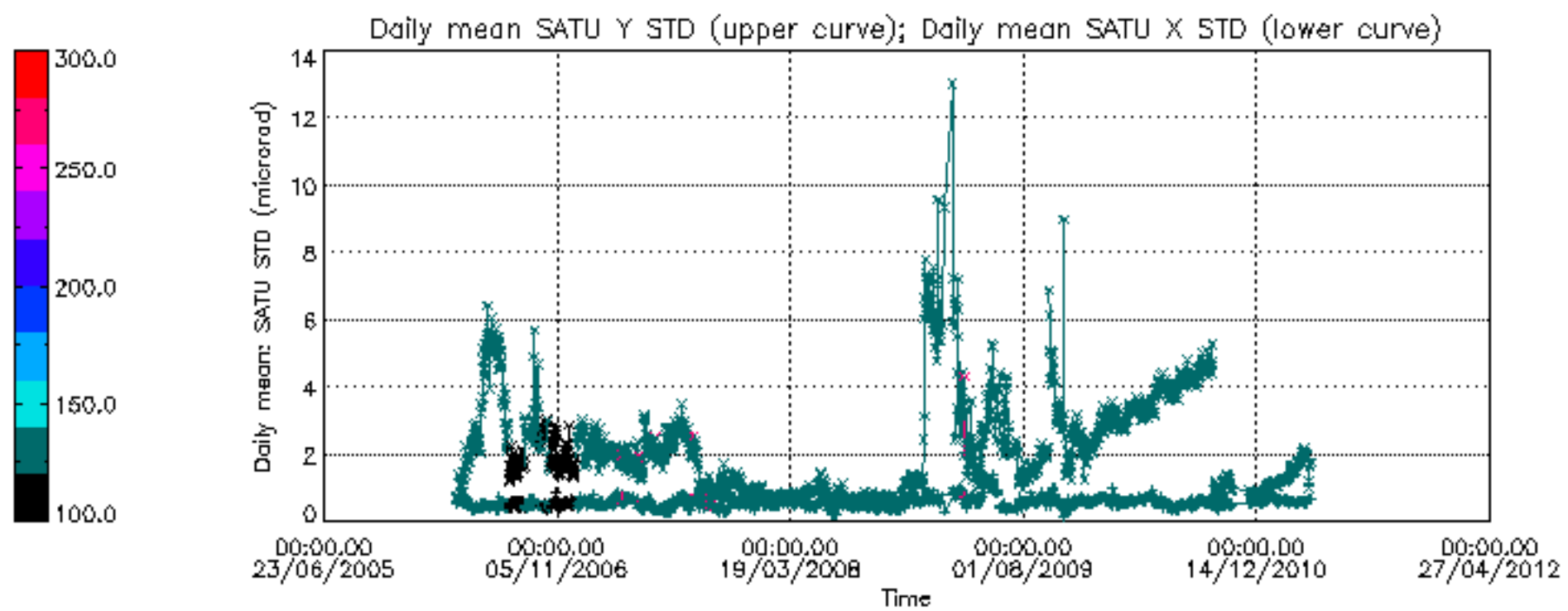
Tangent altitude at which the star is lost











/nas3/ENVISAT/GOMOS/GOM\_NL\_\_0P/GOM\_NL\_\_0PNPDE20110401\_013316\_000096793101\_00074\_47502\_2571.N1

1; -306.9; 01-APR-2011 01:33:16; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;47502  
 2; -143.9; 01-APR-2011 01:35:59; Dark ; 52.0; 57; 34Sig Sgr ; 2.07; 26000;occ; 104; 0;47502  
 3; 295.7; 01-APR-2011 01:43:19; Dark ; 52.5; 40; The Sco ; 1.86; 7100;occ; 105; 0;47503  
 4; 512.8; 01-APR-2011 01:46:56; Dark ; 40.5; 134; Bet TrA ; 2.81; 6600;occ; 81; 0;47503  
 5; 670.4; 01-APR-2011 01:49:33; Dark ; 56.0; 4; Alp1Cen ;-0.01; 5800;occ; 112; 0;47503  
 6; 835.1; 01-APR-2011 01:52:18; Dark ; 47.0; 78; Alp Lup ; 2.30; 28000;occ; 94; 0;47503  
 7; 930.9; 01-APR-2011 01:53:54; Dark ; 46.5; 81; Eta Cen ; 2.36; 28000;occ; 93; 0;47503  
 8; 1093.7; 01-APR-2011 01:56:37; Dark ; 51.0; 54; 5The Cen ; 2.06; 4500;occ; 102; 0;47503  
 9; 1450.9; 01-APR-2011 02:02:34; Dark ; 49.5; 106; 9Bet Crv ; 2.65; 5600;occ; 99; 0;47503  
 10; 1568.0; 01-APR-2011 02:04:31; Dark ; 45.5; 100; 4Gam Crv ; 2.58; 13100;occ; 91; 0;47503  
 11; 1675.4; 01-APR-2011 02:06:18; Dark ; 54.0; 15; 67Alp Vir ; 0.98; 28000;occ; 108; 0;47503  
 12; 1869.7; 01-APR-2011 02:09:33; Bright; 43.5; 121; 29Gam Vir ; 2.74; 7200;occ; 87; 0;47503  
 13; 2146.7; 01-APR-2011 02:14:10; Bright; 38.0; 62; 94Bet Leo ; 2.14; 9700;occ; 76; 0;47503  
 14; 2650.8; 01-APR-2011 02:22:34; Bright; 38.5; 174; 52Psi UMa ; 3.00; 4400;occ; 77; 0;47503  
 15; 2830.6; 01-APR-2011 02:25:34; Bright; 51.0; 87; 64Gam UMa ; 2.43; 11000;occ; 102; 0;47503  
 16; 2941.2; 01-APR-2011 02:27:24; Bright; 38.0; 36; 50Alp UMa ; 1.80; 6300;occ; 76; 0;47503  
 17; 3317.4; 01-APR-2011 02:33:40; Bright; 40.0; 60; 7Bet UMi ; 2.08; 3950;occ; 80; 0;47503  
 18; 3882.0; 01-APR-2011 02:43:05; Bright; 37.0; 89; 5Alp Cep ; 2.45; 8000;occ; 74; 0;47503  
 19; 4176.1; 01-APR-2011 02:47:59; Bright; 68.0; 144; 18Del Cyg ; 2.86; 11000;occ; 136; 0;47503  
 20; 4290.9; 01-APR-2011 02:49:54; Bright; 44.5; 66; 37Gam Cyg ; 2.21; 5900;occ; 89; 0;47503  
 21; 4413.0; 01-APR-2011 02:51:56; Bright; 45.0; 92; 53Eps Cyg ; 2.50; 4500;occ; 90; 0;47503  
 22; 5708.0; 01-APR-2011 03:13:31; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;47503  
 23; 5871.4; 01-APR-2011 03:16:14; Dark ; 52.0; 57; 34Sig Sgr ; 2.07; 26000;occ; 104; 0;47503  
 24; 6085.2; 01-APR-2011 03:19:48; Dark ; 55.0; 38; 20Eps Sgr ; 1.84; 11000;occ; 110; 0;47504  
 25; 6310.8; 01-APR-2011 03:23:34; Dark ; 56.0; 40; The Sco ; 1.86; 7100;occ; 112; 0;47504  
 26; 6527.3; 01-APR-2011 03:27:10; Dark ; 40.5; 134; Bet TrA ; 2.81; 6600;occ; 81; 0;47504  
 27; 6685.0; 01-APR-2011 03:29:48; Dark ; 53.0; 4; Alp1Cen ;-0.01; 5800;occ; 106; 0;47504  
 28; 6850.1; 01-APR-2011 03:32:33; Dark ; 49.5; 78; Alp Lup ; 2.30; 28000;occ; 99; 0;47504  
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 23; 3422.2; 07-APR-2011 05:35:56; Bright; 47.0; 119; 14Eta Dra ; 2.73; 4700;occ; 94; 0;47591

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 18; 6780.9; 11-APR-2011 10:45:54; Dark ; 51.0; 75; 26Eps Sco ; 2.29; 4250;occ; 102; 0;47652  
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4; 2322.4; 11-APR-2011 11:11:50; Bright; 51.0; 111; 8Eta Boo ; 2.68; 6000;occ; 102; 0;47652  
5; 2590.5; 11-APR-2011 11:16:18; Bright; 40.5; 152; 12Alp2CVn ; 2.89; 11000;occ; 81; 0;47652  
6; 2815.5; 11-APR-2011 11:20:03; Bright; 27.0; 180; 27Gam Boo ; 3.04; 8000;occ; 54; 0;47652  
7; 2886.0; 11-APR-2011 11:21:13; Bright; 38.5; 32; 77Eps UMa ; 1.76; 11000;occ; 77; 0;47652  
8; 3270.7; 11-APR-2011 11:27:38; Bright; 41.0; 60; 7Bet UMi ; 2.08; 3950;occ; 82; 0;47652  
9; 3377.9; 11-APR-2011 11:29:25; Bright; 44.5; 119; 14Eta Dra ; 2.73; 4700;occ; 89; 0;47652  
10; 3866.8; 11-APR-2011 11:37:34; Bright; 36.0; 89; 5Alp Cep ; 2.45; 8000;occ; 72; 0;47652  
11; 4142.7; 11-APR-2011 11:42:10; Bright; 52.0; 144; 18Del Cyg ; 2.86; 11000;occ; 104; 0;47652  
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13; 4427.0; 11-APR-2011 11:46:54; Bright; 69.0; 92; 53Eps Cyg ; 2.50; 4500;occ; 138; 0;47652  
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22; 7028.6; 11-APR-2011 12:30:16; Dark ; 45.0; 81; Eta Cen ; 2.36; 28000;occ; 90; 0;47653  
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3; 2097.9; 11-APR-2011 12:48:19; Bright; 41.5; 138; 47Eps Vir ; 2.83; 4700;occ; 83; 0;47653  
4; 2321.7; 11-APR-2011 12:52:03; Bright; 50.5; 111; 8Eta Boo ; 2.68; 6000;occ; 101; 0;47653  
5; 2590.2; 11-APR-2011 12:56:31; Bright; 39.0; 152; 12Alp2CVn ; 2.89; 11000;occ; 78; 0;47653  
6; 2814.5; 11-APR-2011 13:00:16; Bright; 27.0; 180; 27Gam Boo ; 3.04; 8000;occ; 54; 0;47653  
7; 2885.6; 11-APR-2011 13:01:27; Bright; 38.0; 32; 77Eps UMa ; 1.76; 11000;occ; 76; 0;47653  
8; 3270.4; 11-APR-2011 13:07:52; Bright; 38.0; 60; 7Bet UMi ; 2.08; 3950;occ; 76; 0;47653  
9; 3866.8; 11-APR-2011 13:17:48; Bright; 39.0; 89; 5Alp Cep ; 2.45; 8000;occ; 78; 0;47653  
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5; 2589.9; 11-APR-2011 14:36:45; Bright; 38.0; 152; 12Alp2CVn ; 2.89; 11000;occ; 76; 0;47654  
6; 2813.6; 11-APR-2011 14:40:29; Bright; 32.0; 180; 27Gam Boo ; 3.04; 8000;occ; 64; 0;47654  
7; 2885.5; 11-APR-2011 14:41:41; Bright; 40.0; 32; 77Eps UMa ; 1.76; 11000;occ; 80; 0;47654  
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8; 2811.3; 11-APR-2011 18:00:55; Bright; 38.0; 180; 27Gam Boo ; 3.04; 8000;occ; 76; 0;47656
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12; 1679.7; 13-APR-2011 23:09:31; Bright; 46.0; 15; 67Alp Vir ; 0.98; 28000;occ; 92; 0;47688
13; 2091.7; 13-APR-2011 23:16:23; Bright; 39.0; 138; 47Eps Vir ; 2.83; 4700;occ; 78; 0;47688

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 23; 4868.3; 14-APR-2011 00:02:39; Dark ; 52.0; 61; 8Eps Peg ; 2.10; 3900;occ; 104; 0;47688  
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 8; 103.0; 13-APR-2011 07:41:08; Dark ; 59.0; 103; 38Zet Sgr ; 2.60; 9700;occ; 118; 0;47679  
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 16; 1458.1; 13-APR-2011 08:03:43; Dark ; 43.5; 169; 46Gam Hya ; 2.99; 4700;occ; 87; 0;47679  
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 4; 2581.8; 13-APR-2011 08:22:27; Bright; 39.5; 152; 12Alp2CVn ; 2.89; 11000;occ; 79; 0;47679  
 5; 2878.7; 13-APR-2011 08:27:24; Bright; 39.0; 32; 77Eps UMa ; 1.76; 11000;occ; 78; 0;47679  
 6; 3262.8; 13-APR-2011 08:33:48; Bright; 38.0; 60; 7Bet UMi ; 2.08; 3950;occ; 76; 0;47679  
 7; 3358.7; 13-APR-2011 08:35:24; Bright; 47.5; 119; 14Eta Dra ; 2.73; 4700;occ; 95; 0;47679  
 8; 3863.0; 13-APR-2011 08:43:48; Bright; 57.0; 89; 5Alp Cep ; 2.45; 8000;occ; 114; 0;47679  
 9; 4134.6; 13-APR-2011 08:48:20; Bright; 52.5; 144; 18Del Cyg ; 2.86; 11000;occ; 105; 0;47679  
 10; 4281.6; 13-APR-2011 08:50:47; Bright; 54.0; 66; 37Gam Cyg ; 2.21; 5900;occ; 108; 0;47679  
 11; 4429.2; 13-APR-2011 08:53:15; Bright; 53.5; 92; 53Eps Cyg ; 2.50; 4500;occ; 107; 0;47679  
 12; 4864.8; 13-APR-2011 09:00:30; Dark ; 49.0; 61; 8Eps Peg ; 2.10; 3900;occ; 98; 0;47679  
 13; 5164.6; 13-APR-2011 09:05:30; Dark ; 46.5; 154; 22Bet Aqr ; 2.90; 5700;occ; 93; 0;47679  
 14; 5878.0; 13-APR-2011 09:17:23; Dark ; 59.0; 0; ; 0.00; 0;occ; 118; 0;47679  
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 25; 7693.2; 13-APR-2011 09:47:38; Bright; 54.5; 15; 67Alp Vir ; 0.98; 28000;occ; 109; 0;47680

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 3; 2304.7; 13-APR-2011 11:38:18; Bright; 48.5; 111; 8Eta Boo ; 2.68; 6000;occ; 97; 0;47681  
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 5; 2844.9; 13-APR-2011 11:47:18; Bright; 42.5; 39; 85Eta UMa ; 1.85; 24000;occ; 85; 0;47681  
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 9; 4134.0; 13-APR-2011 12:08:47; Bright; 55.5; 144; 18Del Cyg ; 2.86; 11000;occ; 111; 0;47681  
 10; 4281.3; 13-APR-2011 12:11:14; Bright; 54.5; 66; 37Gam Cyg ; 2.21; 5900;occ; 109; 0;47681  
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13;	5165.7;	13-APR-2011	12:25:59;	Dark	;	50.0;	154;	22Bet Aqr	;	2.90;	5700;occ;	100;	0;	47681
14;	5880.1;	13-APR-2011	12:37:53;	Dark	;	59.0;	0;		;	0.00;	0;occ;	118;	0;	47681
15;	6121.7;	13-APR-2011	12:41:55;	Dark	;	62.5;	103;	38Zet Sgr	;	2.60;	9700;occ;	125;	0;	47682
16;	6337.5;	13-APR-2011	12:45:31;	Dark	;	62.5;	38;	20Eps Sgr	;	1.84;	11000;occ;	125;	0;	47682
17;	6477.4;	13-APR-2011	12:47:51;	Dark	;	43.0;	141;	Bet Ara	;	2.84;	4600;occ;	86;	0;	47682
18;	6577.3;	13-APR-2011	12:49:31;	Dark	;	59.5;	25;	35Lam Sco	;	1.62;	28000;occ;	119;	0;	47682
19;	6816.6;	13-APR-2011	12:53:30;	Dark	;	64.0;	75;	26Eps Sco	;	2.29;	4250;occ;	128;	0;	47682
20;	6946.7;	13-APR-2011	12:55:40;	Dark	;	43.5;	78;	Alp Lup	;	2.30;	28000;occ;	87;	0;	47682
21;	7042.2;	13-APR-2011	12:57:15;	Dark	;	41.5;	81;	Eta Cen	;	2.36;	28000;occ;	83;	0;	47682
22;	7186.1;	13-APR-2011	12:59:39;	Dark	;	48.0;	54;	5The Cen	;	2.06;	4500;occ;	96;	0;	47682
23;	7472.6;	13-APR-2011	13:04:26;	Dark	;	43.5;	169;	46Gam Hya	;	2.99;	4700;occ;	87;	0;	47682
24;	7567.3;	13-APR-2011	13:06:01;	Dark	;	62.0;	122;	9Alp2Lib	;	2.75;	9700;occ;	124;	0;	47682
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2;	1679.4;	13-APR-2011	13:08:06;	Bright	;	55.5;	15;	67Alp Vir	;	0.98;	28000;occ;	111;	0;	47682
3;	2092.8;	13-APR-2011	13:15:00;	Bright	;	40.5;	138;	47Eps Vir	;	2.83;	4700;occ;	81;	0;	47682
4;	2304.0;	13-APR-2011	13:18:31;	Bright	;	48.0;	111;	8Eta Boo	;	2.68;	6000;occ;	96;	0;	47682
5;	2580.9;	13-APR-2011	13:23:08;	Bright	;	48.0;	152;	12Alp2CVn	;	2.89;	11000;occ;	96;	0;	47682
6;	2844.2;	13-APR-2011	13:27:31;	Bright	;	44.0;	39;	85Eta UMa	;	1.85;	24000;occ;	88;	0;	47682
7;	3262.2;	13-APR-2011	13:34:29;	Bright	;	39.5;	60;	7Bet UMi	;	2.08;	3950;occ;	79;	0;	47682
8;	3356.4;	13-APR-2011	13:36:03;	Bright	;	46.0;	119;	14Eta Dra	;	2.73;	4700;occ;	92;	0;	47682
9;	3862.7;	13-APR-2011	13:44:30;	Bright	;	39.0;	89;	5Alp Cep	;	2.45;	8000;occ;	78;	0;	47682
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11;	4281.4;	13-APR-2011	13:51:29;	Bright	;	52.0;	66;	37Gam Cyg	;	2.21;	5900;occ;	104;	0;	47682
12;	4429.6;	13-APR-2011	13:53:57;	Bright	;	52.5;	92;	53Eps Cyg	;	2.50;	4500;occ;	105;	0;	47682
13;	4866.1;	13-APR-2011	14:01:13;	Dark	;	50.5;	61;	8Eps Peg	;	2.10;	3900;occ;	101;	0;	47682
14;	5166.4;	13-APR-2011	14:06:14;	Dark	;	48.5;	154;	22Bet Aqr	;	2.90;	5700;occ;	97;	0;	47682
15;	5881.3;	13-APR-2011	14:18:08;	Dark	;	59.5;	0;		;	0.00;	0;occ;	119;	0;	47682
16;	6123.4;	13-APR-2011	14:22:10;	Dark	;	60.5;	103;	38Zet Sgr	;	2.60;	9700;occ;	121;	0;	47683
17;	6339.2;	13-APR-2011	14:25:46;	Dark	;	62.0;	38;	20Eps Sgr	;	1.84;	11000;occ;	124;	0;	47683
18;	6478.1;	13-APR-2011	14:28:05;	Dark	;	45.0;	141;	Bet Ara	;	2.84;	4600;occ;	90;	0;	47683
19;	6578.7;	13-APR-2011	14:29:46;	Dark	;	61.0;	25;	35Lam Sco	;	1.62;	28000;occ;	122;	0;	47683
20;	6817.8;	13-APR-2011	14:33:45;	Dark	;	64.0;	75;	26Eps Sco	;	2.29;	4250;occ;	128;	0;	47683
21;	6947.5;	13-APR-2011	14:35:55;	Dark	;	44.0;	78;	Alp Lup	;	2.30;	28000;occ;	88;	0;	47683
22;	7042.7;	13-APR-2011	14:37:30;	Dark	;	43.5;	81;	Eta Cen	;	2.36;	28000;occ;	87;	0;	47683
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3;	1679.5;	13-APR-2011	14:48:21;	Bright	;	51.5;	15;	67Alp Vir	;	0.98;	28000;occ;	103;	0;	47683
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5;	2303.6;	13-APR-2011	14:58:45;	Bright	;	48.0;	111;	8Eta Boo	;	2.68;	6000;occ;	96;	0;	47683
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7;	2843.8;	13-APR-2011	15:07:45;	Bright	;	50.0;	39;	85Eta UMa	;	1.85;	24000;occ;	100;	0;	47683
8;	3261.8;	13-APR-2011	15:14:43;	Bright	;	41.0;	60;	7Bet UMi	;	2.08;	3950;occ;	82;	0;	47683
9;	3355.6;	13-APR-2011	15:16:17;	Bright	;	47.5;	119;	14Eta Dra	;	2.73;	4700;occ;	95;	0;	47683
10;	3862.6;	13-APR-2011	15:24:44;	Bright	;	38.5;	89;	5Alp Cep	;	2.45;	8000;occ;	77;	0;	47683
11;	4133.3;	13-APR-2011	15:29:14;	Bright	;	55.0;	144;	18Del Cyg	;	2.86;	11000;occ;	110;	0;	47683
12;	4281.5;	13-APR-2011	15:31:43;	Bright	;	52.0;	66;	37Gam Cyg	;	2.21;	5900;occ;	104;	0;	47683
13;	4429.8;	13-APR-2011	15:34:11;	Bright	;	52.5;	92;	53Eps Cyg	;	2.50;	4500;occ;	105;	0;	47683
14;	4866.9;	13-APR-2011	15:41:28;	Dark	;	50.5;	61;	8Eps Peg	;	2.10;	3900;occ;	101;	0;	47683
15;	5167.0;	13-APR-2011	15:46:28;	Dark	;	48.5;	154;	22Bet Aqr	;	2.90;	5700;occ;	97;	0;	47683
16;	5882.5;	13-APR-2011	15:58:24;	Dark	;	59.0;	0;		;	0.00;	0;occ;	118;	0;	47683
17;	6125.1;	13-APR-2011	16:02:26;	Dark	;	60.0;	103;	38Zet Sgr	;	2.60;	9700;occ;	120;	0;	47684
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22;	6948.1;	13-APR-2011	16:16:09;	Dark	;	42.5;	78;	Alp Lup	;	2.30;	28000;occ;	85;	0;	47684
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3;	1553.7;	13-APR-2011	16:26:29;	Dark	;	60.0;	122;	9Alp2Lib	;	2.75;	9700;occ;	120;	0;	47684
4;	1679.5;	13-APR-2011	16:28:35;	Bright	;	43.5;	15;	67Alp Vir	;	0.98;	28000;occ;	87;	0;	47684

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6; 2303.1; 13-APR-2011 16:38:58; Bright; 49.5; 111; 8Eta Boo ; 2.68; 6000;occ; 99; 0;47684
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9; 4172.2; 15-APR-2011 10:55:57; Bright; 49.5; 19; 50Alp Cyg ; 1.25; 10500;occ; 99; 0;47709
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2;	1681.2;	15-APR-2011	15:15:08;	Bright;	;	42.0;	15;	67Alp Vir	;	0.98;	28000;occ;	84;	0;	47712
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5;	2572.6;	15-APR-2011	15:29:59;	Bright;	;	39.0;	152;	12Alp2CVn	;	2.89;	11000;occ;	78;	0;	47712
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9;	3858.1;	15-APR-2011	15:51:25;	Bright;	;	38.5;	89;	5Alp Cep	;	2.45;	8000;occ;	77;	0;	47712
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14;	5027.0;	15-APR-2011	16:10:54;	Dark	;	46.5;	162;	34Alp Aqr	;	2.94;	5350;occ;	93;	0;	47712
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21;	6617.6;	15-APR-2011	16:37:24;	Dark	;	61.0;	25;	35Lam Sco	;	1.62;	28000;occ;	122;	0;	47713
22;	6851.9;	15-APR-2011	16:41:19;	Dark	;	64.5;	75;	26Eps Sco	;	2.29;	4250;occ;	129;	0;	47713
23;	7056.5;	15-APR-2011	16:44:43;	Dark	;	45.0;	81;	Eta Cen	;	2.36;	28000;occ;	90;	0;	47713
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4; 2724.1; 18-APR-2011 13:42:19; Bright; 48.0; 180; 27Gam Boo ; 3.04; 8000;occ; 96; 0;47754
5; 2871.0; 18-APR-2011 13:44:46; Bright; 40.5; 55; 79Zet UMa ; 2.06; 10200;occ; 81; 0;47754
6; 3242.1; 18-APR-2011 13:50:57; Bright; 38.5; 60; 7Bet UMi ; 2.08; 3950;occ; 77; 0;47754
7; 3850.1; 18-APR-2011 14:01:05; Bright; 39.5; 89; 5Alp Cep ; 2.45; 8000;occ; 79; 0;47754
8; 4106.6; 18-APR-2011 14:05:21; Bright; 52.0; 144; 18Del Cyg ; 2.86; 11000;occ; 104; 0;47754
9; 4272.4; 18-APR-2011 14:08:07; Bright; 55.5; 66; 37Gam Cyg ; 2.21; 5900;occ; 111; 0;47754
10; 4435.4; 18-APR-2011 14:10:50; Bright; 61.5; 92; 53Eps Cyg ; 2.50; 4500;occ; 123; 0;47754
11; 4898.5; 18-APR-2011 14:18:33; Dark ; 57.0; 61; 8Eps Peg ; 2.10; 3900;occ; 114; 0;47754
12; 5046.5; 18-APR-2011 14:21:01; Dark ; 46.5; 162; 34Alp Aqr ; 2.94; 5350;occ; 93; 0;47754
13; 5213.9; 18-APR-2011 14:23:49; Dark ; 48.0; 154; 22Bet Aqr ; 2.90; 5700;occ; 96; 0;47754
14; 5353.4; 18-APR-2011 14:26:08; Dark ; 45.5; 142; 49Del Cap ; 2.85; 8900;occ; 91; 0;47754
15; 5965.6; 18-APR-2011 14:36:20; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;47754
16; 6241.8; 18-APR-2011 14:40:57; Dark ; 64.0; 103; 38Zet Sgr ; 2.60; 9700;occ; 128; 0;47755
17; 6447.4; 18-APR-2011 14:44:22; Dark ; 65.0; 38; 20Eps Sgr ; 1.84; 11000;occ; 130; 0;47755
18; 6573.8; 18-APR-2011 14:46:29; Dark ; 56.0; 178; Iot1Sco ; 3.02; 6550;occ; 112; 0;47755
19; 6670.1; 18-APR-2011 14:48:05; Dark ; 62.0; 25; 35Lam Sco ; 1.62; 28000;occ; 124; 0;47755
20; 6896.8; 18-APR-2011 14:51:52; Dark ; 66.5; 75; 26Eps Sco ; 2.29; 4250;occ; 133; 0;47755
21; 7021.4; 18-APR-2011 14:53:56; Dark ; 43.0; 109; Bet Lup ; 2.68; 26000;occ; 86; 0;47755
22; 7243.5; 18-APR-2011 14:57:38; Dark ; 62.0; 158; 6Pi Sco ; 2.91; 28000;occ; 124; 0;47755

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2;	2268.2;	18-APR-2011	15:14:57;	Bright;	;	65.0;	111;	8Eta Boo	;	2.68;	6000;occ;	130;	0;	47755
3;	2562.6;	18-APR-2011	15:19:51;	Bright;	;	52.5;	83;		;	2.38;	11000;occ;	105;	0;	47755
4;	2723.4;	18-APR-2011	15:22:32;	Bright;	;	46.0;	180;	27Gam Boo	;	3.04;	8000;occ;	92;	0;	47755
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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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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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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 14; 2869.0; 19-APR-2011 01:26:22; Bright; 39.0; 55; 79Zet UMA ; 2.06; 10200;occ; 78; 0;47761  
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 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  
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 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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 4; 443.9; 19-APR-2011 02:26:11; Dark ; 64.5; 38; 20Eps Sgr ; 1.84; 11000;occ; 129; 0;47762  
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 13; 2717.9; 19-APR-2011 03:04:05; Bright; 48.5; 180; 27Gam Boo ; 3.04; 8000;occ; 97; 0;47762  
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 5; -1578.3; 19-APR-2011 03:32:42; Dark ; 66.0; 92; 53Eps Cyg ; 2.50; 4500;occ; 132; 0;47762  
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 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  
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13; 4986.2; 28-APR-2011 16:33:50; Dark ; 61.0; 61; 8Eps Peg ; 2.10; 3900;occ; 122; 0;47899
14; 5133.3; 28-APR-2011 16:36:17; Dark ; 51.0; 162; 34Alp Aqr ; 2.94; 5350;occ; 102; 0;47899
15; 5344.6; 28-APR-2011 16:39:48; Dark ; 62.0; 154; 22Bet Aqr ; 2.90; 5700;occ; 124; 0;47899
16; 5510.1; 28-APR-2011 16:42:33; Dark ; 59.0; 0; ; 0.00; 0;occ; 118; 0;47899
17; 6626.8; 28-APR-2011 17:01:10; Dark ; 41.5; 141; Bet Ara ; 2.84; 4600;occ; 83; 0;47900
18; 6730.3; 28-APR-2011 17:02:54; Dark ; 54.0; 40; The Sco ; 1.86; 7100;occ; 108; 0;47900
19; 6832.4; 28-APR-2011 17:04:36; Dark ; 62.5; 25; 35Lam Sco ; 1.62; 28000;occ; 125; 0;47900
20; 7025.5; 28-APR-2011 17:07:49; Dark ; 65.0; 75; 26Eps Sco ; 2.29; 4250;occ; 130; 0;47900
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2; 2222.5; 29-APR-2011 08:30:06; Bright; 39.5; 111; 8Eta Boo ; 2.68; 6000;occ; 79; 0;47909
3; 2449.1; 29-APR-2011 08:33:53; Bright; 47.0; 83; ; 2.38; 11000;occ; 94; 0;47909
4; 2627.9; 29-APR-2011 08:36:51; Bright; 43.0; 180; 27Gam Boo ; 3.04; 8000;occ; 86; 0;47909
5; 2758.6; 29-APR-2011 08:39:02; Bright; 39.5; 39; 85Eta UMa ; 1.85; 24000;occ; 79; 0;47909
6; 3201.7; 29-APR-2011 08:46:25; Bright; 44.5; 119; 14Eta Dra ; 2.73; 4700;occ; 89; 0;47909
7; 3812.6; 29-APR-2011 08:56:36; Bright; 41.0; 89; 5Alp Cep ; 2.45; 8000;occ; 82; 0;47909
8; 4121.7; 29-APR-2011 09:01:45; Bright; 60.0; 19; 50Alp Cyg ; 1.25; 10500;occ; 120; 0;47909
9; 4483.7; 29-APR-2011 09:07:47; Bright; 42.0; 164; 44Eta Peg ; 2.95; 5400;occ; 84; 0;47909
10; 4746.2; 29-APR-2011 09:12:10; Dark ; 46.0; 90; 54Alp Peg ; 2.49; 11000;occ; 92; 0;47909
11; 4993.8; 29-APR-2011 09:16:17; Dark ; 62.0; 61; 8Eps Peg ; 2.10; 3900;occ; 124; 0;47909
12; 5140.4; 29-APR-2011 09:18:44; Dark ; 52.0; 162; 34Alp Aqr ; 2.94; 5350;occ; 104; 0;47909
13; 5355.8; 29-APR-2011 09:22:19; Dark ; 61.5; 154; 22Bet Aqr ; 2.90; 5700;occ; 123; 0;47909
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21; 7591.2; 29-APR-2011 09:59:35; Bright; 45.5; 122; 9Alp2Lib ; 2.75; 9700;occ; 91; 0;47910
22; 7730.5; 29-APR-2011 10:01:54; Bright; 48.5; 104; 27Bet Lib ; 2.61; 13100;occ; 97; 0;47910

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