

# GOMOS Daily Report 22-JUN-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	27JUN2011 07:05:54
Data source version	GOMOS/6.01
Start time of products	22JUN2011 00:00:52
Stop time of products	22JUN2011 23:51:22
Store outputs in DB	Yes
Nb of level 1b prods	265
Nb of prods with errors	0

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

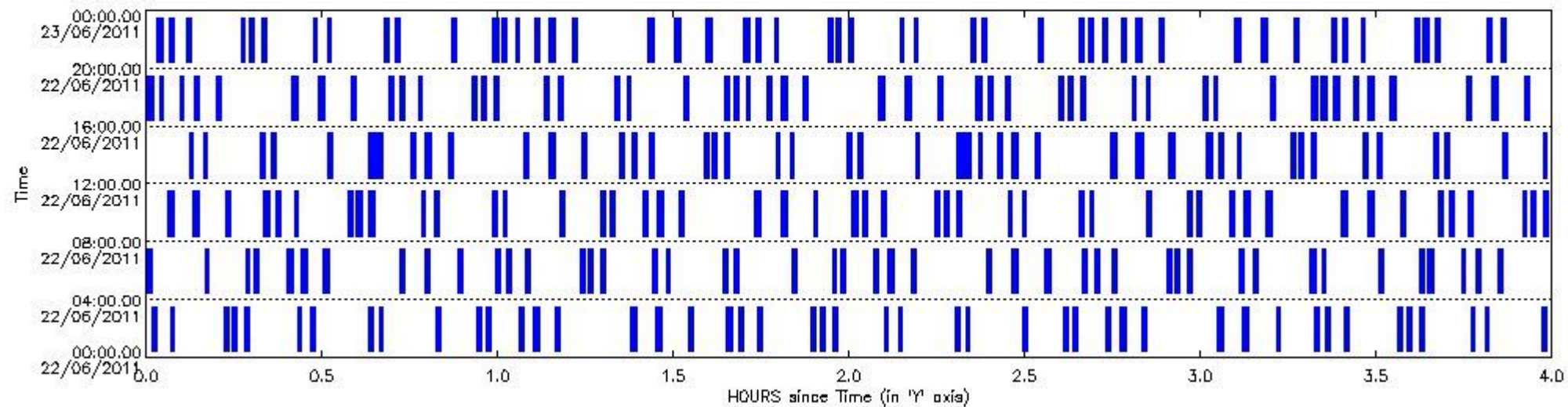
### 2.1 Level 0 products arrived in PCF (see template [here](#))

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

Red segments are missing products.

Blue segments are available products.

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



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

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_1PNPDE20110622_000052_000000493103_00390_48680_7510.N1	22-JUN-2011 00:00:52	Straylight	48.500	31	Alp Gru	1.7340	15200.	97	48680	No
2	GOM_TRA_1PNPDE20110622_000403_000000443103_00390_48680_7511.N1	22-JUN-2011 00:04:03	Straylight	44.000	45	Alp Pav	1.9400	26000.	88	48680	No
3	GOM_TRA_1PNPDE20110622_001317_000000483103_00390_48680_7512.N1	22-JUN-2011 00:13:17	Twilight_stray	48.000	38	20Eps Sgr	1.8360	11000.	96	48680	No
4	GOM_TRA_1PNPDE20110622_001443_000000493103_00390_48680_7513.N1	22-JUN-2011 00:14:43	Twilight_stray	48.500	116	19Del Sgr	2.7000	4100.0	97	48680	No
5	GOM_TRA_1PNPDE20110622_001652_000000503103_00390_48680_7514.N1	22-JUN-2011 00:16:52	Bright	49.500	155	41Pi Sgr	2.9000	6600.0	99	48680	No
6	GOM_TRA_1PNPDE20110622_002545_000000413103_00390_48680_7515.N1	22-JUN-2011 00:25:45	Bright	40.500	126	60Bet Oph	2.7700	4250.0	81	48680	No
7	GOM_TRA_1PNPDE20110622_002809_000000393103_00390_48680_7516.N1	22-JUN-2011 00:28:09	Bright	39.000	59	55Alp Oph	2.0800	8900.0	78	48680	No
8	GOM_TRA_1PNPDE20110622_003752_000000453103_00390_48680_7517.N1	22-JUN-2011 00:37:52	Bright	44.500	5	3Alp Lyr	0.033000	11000.	89	48680	No
9	GOM_TRA_1PNPDE20110622_003946_000000393103_00390_48680_7518.N1	22-JUN-2011 00:39:46	Bright	39.000	130	23Bet Dra	2.7990	5800.0	78	48680	No
10	GOM_TRA_1PNPDE20110622_004932_000000463103_00390_48680_7519.N1	22-JUN-2011 00:49:32	Bright	46.000	89	5Alp Cep	2.4510	8000.0	92	48680	No
11	GOM_TRA_1PNPDE20110622_005627_000000473103_00390_48680_7520.N1	22-JUN-2011 00:56:27	Bright	46.500	74	11Bet Cas	2.2680	6600.0	93	48680	No
12	GOM_TRA_1PNPDE20110622_005758_000000473103_00390_48680_7521.N1	22-JUN-2011 00:57:58	Bright	46.500	68	18Alp Cas	2.2250	4500.0	93	48680	No

13	GOM_TRA_1PNPDE20110622_010336_000000453103_00390_48680_7522.N1	22-JUN-2011 01:03:36	Bright	44.500	73	57Gam1And	2.2600	13100.	89	48680	No
14	GOM_TRA_1PNPDE20110622_010600_000000653103_00390_48680_7523.N1	22-JUN-2011 01:06:00	Twilight	64.500	53	43Bet And	2.0480	3300.0	129	48680	No
15	GOM_TRA_1PNPDE20110622_010949_000000523103_00390_48680_7524.N1	22-JUN-2011 01:09:49	Twilight	51.500	50	13Alp Ari	2.0070	4250.0	103	48680	No
16	GOM_TRA_1PNPDE20110622_012700_000000603103_00390_48680_7542.N1	22-JUN-2011 01:27:00	Dark	59.500	52	16Bet Cet	2.0370	4500.0	119	48680	No
17	GOM_TRA_1PNPDE20110622_013240_000000463103_00390_48680_7543.N1	22-JUN-2011 01:32:40	Dark	46.000	84	Alp Phe	2.3970	4500.0	92	48680	No
18	GOM_TRA_1PNPDE20110622_013905_000000533103_00391_48681_7544.N1	22-JUN-2011 01:39:05	Dark	53.000	63	Bet Gru	2.1500	2800.0	106	48681	No
19	GOM_TRA_1PNPDE20110622_014107_000000503103_00391_48681_7545.N1	22-JUN-2011 01:41:07	Straylight	50.000	31	Alp Gru	1.7340	15200.	100	48681	No
20	GOM_TRA_1PNPDE20110622_014417_000000493103_00391_48681_7546.N1	22-JUN-2011 01:44:17	Straylight	48.500	45	Alp Pav	1.9400	26000.	97	48681	No
21	GOM_TRA_1PNPDE20110622_015332_000000483103_00391_48681_7547.N1	22-JUN-2011 01:53:32	Twilight	47.500	38	20Eps Sgr	1.8360	11000.	95	48681	No
22	GOM_TRA_1PNPDE20110622_015457_000000503103_00391_48681_7548.N1	22-JUN-2011 01:54:57	Twilight	50.000	116	19Del Sgr	2.7000	4100.0	100	48681	No
23	GOM_TRA_1PNPDE20110622_015706_000000523103_00391_48681_7549.N1	22-JUN-2011 01:57:06	Bright	51.500	155	41Pi Sgr	2.9000	6600.0	103	48681	No
24	GOM_TRA_1PNPDE20110622_020558_000000413103_00391_48681_7550.N1	22-JUN-2011 02:05:58	Bright	40.500	126	60Bet Oph	2.7700	4250.0	81	48681	No
25	GOM_TRA_1PNPDE20110622_020822_000000393103_00391_48681_7551.N1	22-JUN-2011 02:08:22	Bright	39.000	59	55Alp Oph	2.0800	8900.0	78	48681	No
26	GOM_TRA_1PNPDE20110622_021805_000000453103_00391_48681_7552.N1	22-JUN-2011 02:18:05	Bright	44.500	5	3Alp Lyr	0.033000	11000.	89	48681	No
27	GOM_TRA_1PNPDE20110622_022000_000000373103_00391_48681_7553.N1	22-JUN-2011 02:20:00	Bright	36.500	130	23Bet Dra	2.7990	5800.0	73	48681	No
28	GOM_TRA_1PNPDE20110622_022946_000000453103_00391_48681_7554.N1	22-JUN-2011 02:29:46	Bright	44.500	89	5Alp Cep	2.4510	8000.0	89	48681	No
29	GOM_TRA_1PNPDE20110622_023640_000000473103_00391_48681_7555.N1	22-JUN-2011 02:36:40	Bright	47.000	74	11Bet Cas	2.2680	6600.0	94	48681	No
30	GOM_TRA_1PNPDE20110622_023812_000000463103_00391_48681_7556.N1	22-JUN-2011 02:38:12	Bright	46.000	68	18Alp Cas	2.2250	4500.0	92	48681	No
31	GOM_TRA_1PNPDE20110622_024350_000000513103_00391_48681_7557.N1	22-JUN-2011 02:43:50	Bright	51.000	73	57Gam1And	2.2600	13100.	102	48681	No
32	GOM_TRA_1PNPDE20110622_024614_000000593103_00391_48681_7558.N1	22-JUN-2011 02:46:14	Twilight	58.500	53	43Bet And	2.0480	3300.0	117	48681	No
33	GOM_TRA_1PNPDE20110622_025003_000000513103_00391_48681_7559.N1	22-JUN-2011 02:50:03	Twilight	51.000	50	13Alp Ari	2.0070	4250.0	102	48681	No
34	GOM_TRA_1PNPDE20110622_030715_000000603103_00391_48681_7560.N1	22-JUN-2011 03:07:15	Dark	60.000	52	16Bet Cet	2.0370	4500.0	120	48681	No
35	GOM_TRA_1PNPDE20110622_031255_000000463103_00391_48681_7561.N1	22-JUN-2011 03:12:55	Dark	45.500	84	Alp Phe	2.3970	4500.0	91	48681	No
36	GOM_TRA_1PNPDE20110622_031920_000000523103_00392_48682_7562.N1	22-JUN-2011 03:19:20	Dark	51.500	63	Bet Gru	2.1500	2800.0	103	48682	No
37	GOM_TRA_1PNPDE20110622_032122_000000523103_00392_48682_7563.N1	22-JUN-2011 03:21:22	Straylight	52.000	31	Alp Gru	1.7340	15200.	104	48682	No
38	GOM_TRA_1PNPDE20110622_032432_000000433103_00392_48682_7564.N1	22-JUN-2011 03:24:32	Straylight	42.500	45	Alp Pav	1.9400	26000.	85	48682	No
39	GOM_TRA_1PNPDE20110622_033346_000000473103_00392_48682_7565.N1	22-JUN-2011 03:33:46	Twilight	47.000	38	20Eps Sgr	1.8360	11000.	94	48682	No
40	GOM_TRA_1PNPDE20110622_033511_000000493103_00392_48682_7566.N1	22-JUN-2011 03:35:11	Twilight	49.000	116	19Del Sgr	2.7000	4100.0	98	48682	No
41	GOM_TRA_1PNPDE20110622_033720_000000523103_00392_48682_7567.N1	22-JUN-2011 03:37:20	Bright	51.500	155	41Pi Sgr	2.9000	6600.0	103	48682	No
42	GOM_TRA_1PNPDE20110622_034612_000000403103_00392_48682_7568.N1	22-JUN-2011 03:46:12	Bright	40.000	126	60Bet Oph	2.7700	4250.0	80	48682	No
43	GOM_TRA_1PNPDE20110622_034836_000000423103_00392_48682_7569.N1	22-JUN-2011 03:48:36	Bright	41.500	59	55Alp Oph	2.0800	8900.0	83	48682	No
44	GOM_TRA_1PNPDE20110622_035819_000000493103_00392_48682_7570.N1	22-JUN-2011 03:58:19	Bright	48.500	5	3Alp Lyr	0.033000	11000.	97	48682	No
45	GOM_TRA_1PNPDE20110622_040013_000000403103_00392_48682_7571.N1	22-JUN-2011 04:00:13	Bright	39.500	130	23Bet Dra	2.7990	5800.0	79	48682	No
46	GOM_TRA_1PNPDE20110622_040959_000000463103_00392_48682_7572.N1	22-JUN-2011 04:09:59	Bright	45.500	89	5Alp Cep	2.4510	8000.0	91	48682	No
47	GOM_TRA_1PNPDE20110622_041654_000000453103_00392_48682_7566.N1	22-JUN-2011 04:16:54	Bright	45.000	74	11Bet Cas	2.2680	6600.0	90	48682	No
48	GOM_TRA_1PNPDE20110622_041825_000000453103_00392_48682_7567.N1	22-JUN-2011 04:18:25	Bright	44.500	68	18Alp Cas	2.2250	4500.0	89	48682	No
49	GOM_TRA_1PNPDE20110622_042404_000000563103_00392_48682_7568.N1	22-JUN-2011 04:24:04	Bright	56.000	73	57Gam1And	2.2600	13100.	112	48682	No
50	GOM_TRA_1PNPDE20110622_042628_000000573103_00392_48682_7569.N1	22-JUN-2011 04:26:28	Twilight	57.000	53	43Bet And	2.0480	3300.0	114	48682	No
51	GOM_TRA_1PNPDE20110622_043017_000000523103_00392_48682_7570.N1	22-JUN-2011 04:30:17	Twilight	52.000	50	13Alp Ari	2.0070	4250.0	104	48682	No
52	GOM_TRA_1PNPDE20110622_044730_000000613103_00392_48682_7571.N1	22-JUN-2011 04:47:30	Dark	60.500	52	16Bet Cet	2.0370	4500.0	121	48682	No
53	GOM_TRA_1PNPDE20110622_045310_000000573103_00392_48682_7572.N1	22-JUN-2011 04:53:10	Dark	57.000	84	Alp Phe	2.3970	4500.0	114	48682	No
54	GOM_TRA_1PNPDE20110622_045935_000000553103_00393_48683_7573.N1	22-JUN-2011 04:59:35	Dark	55.000	63	Bet Gru	2.1500	2800.0	110	48683	No
55	GOM_TRA_1PNPDE20110622_050137_000000483103_00393_48683_7574.N1	22-JUN-2011 05:01:37	Straylight	48.000	31	Alp Gru	1.7340	15200.	96	48683	No
56	GOM_TRA_1PNPDE20110622_050447_000000423103_00393_48683_7575.N1	22-JUN-2011 05:04:47	Straylight	41.500	45	Alp Pav	1.9400	26000.	83	48683	No
57	GOM_TRA_1PNPDE20110622_051400_000000483103_00393_48683_7576.N1	22-JUN-2011 05:14:00	Twilight	47.500	38	20Eps Sgr	1.8360	11000.	95	48683	No
58	GOM_TRA_1PNPDE20110622_051525_000000483103_00393_48683_7577.N1	22-JUN-2011 05:15:25	Twilight	48.000	116	19Del Sgr	2.7000	4100.0	96	48683	No
59	GOM_TRA_1PNPDE20110622_051735_000000523103_00393_48683_7578.N1	22-JUN-2011 05:17:35	Bright	51.500	155	41Pi Sgr	2.9000	6600.0	103	48683	No
60	GOM_TRA_1PNPDE20110622_052626_000000413103_00393_48683_7579.N1	22-JUN-2011 05:26:26	Bright	40.500	126	60Bet Oph	2.7700	4250.0	81	48683	No
61	GOM_TRA_1PNPDE20110622_052850_000000403103_00393_48683_7580.N1	22-JUN-2011 05:28:50	Bright	39.500	59	55Alp Oph	2.0800	8900.0	79	48683	No
62	GOM_TRA_1PNPDE20110622_053832_000000493103_00393_48683_7581.N1	22-JUN-2011 05:38:32	Bright	49.000	5	3Alp Lyr	0.033000	11000.	98	48683	No
63	GOM_TRA_1PNPDE20110622_054027_000000403103_00393_48683_7582.N1	22-JUN-2011 05:40:27	Bright	39.500	130	23Bet Dra	2.7990	5800.0	79	48683	No
64	GOM_TRA_1PNPDE20110622_055013_000000463103_00393_48683_7583.N1	22-JUN-2011 05:50:13	Bright	46.000	89	5Alp Cep	2.4510	8000.0	92	48683	No
65	GOM_TRA_1PNPDE20110622_055707_000000473103_00393_48683_7585.N1	22-JUN-2011 05:57:07	Bright	46.500	74	11Bet Cas	2.2680	6600.0	93	48683	No
66	GOM_TRA_1PNPDE20110622_055839_000000473103_00393_48683_7586.N1	22-JUN-2011 05:58:39	Bright	46.500	68	18Alp Cas	2.2250	4500.0	93	48683	No
67	GOM_TRA_1PNPDE20110622_060418_000000423103_00393_48683_7587.N1	22-JUN-2011 06:04:18	Bright	42.000	73	57Gam1And	2.2600	13100.	84	48683	No
68	GOM_TRA_1PNPDE20110622_060642_000000623103_00393_48683_7588.N1	22-JUN-2011 06:06:42	Twilight	61.500	53	43Bet And	2.0480	3300.0	123	48683	No
69	GOM_TRA_1PNPDE20110622_061031_000000543103_00393_48683_7589.N1	22-JUN-2011 06:10:31	Twilight	54.000	50	13Alp Ari	2.0070	4250.0	108	48683	No
70	GOM_TRA_1PNPDE20110622_062745_000000663103_00393_48683_7590.N1	22-JUN-2011 06:27:45	Dark	66.000	52	16Bet Cet	2.0370	4500.0	132	48683	No
71	GOM_TRA_1PNPDE20110622_063324_000000563103_00393_48683_7591.N1	22-JUN-2011 06:33:24	Dark	55.500	84	Alp Phe	2.3970	4500.0	111	48683	No



72	GOM_TRA_1PNPDE20110622_063950_000000533103_00394_48684_7592.N1	22-JUN-2011 06:39:50	Dark	53.000	63	Bet Gru	2.1500	2800.0	106	48684	No
73	GOM_TRA_1PNPDE20110622_064152_000000553103_00394_48684_7593.N1	22-JUN-2011 06:41:52	Straylight	54.500	31	Alp Gru	1.7340	15200.	109	48684	No
74	GOM_TRA_1PNPDE20110622_064502_000000423103_00394_48684_7594.N1	22-JUN-2011 06:45:02	Straylight	42.000	45	Alp Pav	1.9400	26000.	84	48684	No
75	GOM_TRA_1PNPDE20110622_065415_000000473103_00394_48684_7595.N1	22-JUN-2011 06:54:15	Twilight	46.500	38	20Eps Sgr	1.8360	11000.	93	48684	No
76	GOM_TRA_1PNPDE20110622_065540_000000453103_00394_48684_7596.N1	22-JUN-2011 06:55:40	Twilight	44.500	116	19Del Sgr	2.7000	4100.0	89	48684	No
77	GOM_TRA_1PNPDE20110622_065749_000000513103_00394_48684_7597.N1	22-JUN-2011 06:57:49	Bright	51.000	155	41Pi Sgr	2.9000	6600.0	102	48684	No
78	GOM_TRA_1PNPDE20110622_070640_000000403103_00394_48684_7598.N1	22-JUN-2011 07:06:40	Bright	40.000	126	60Bet Oph	2.7700	4250.0	80	48684	No
79	GOM_TRA_1PNPDE20110622_070904_000000413103_00394_48684_7599.N1	22-JUN-2011 07:09:04	Bright	41.000	59	55Alp Oph	2.0800	8900.0	82	48684	No
80	GOM_TRA_1PNPDE20110622_071845_000000513103_00394_48684_7600.N1	22-JUN-2011 07:18:45	Bright	51.000	5	3Alp Lyr	0.033000	11000.	102	48684	No
81	GOM_TRA_1PNPDE20110622_072041_000000403103_00394_48684_7601.N1	22-JUN-2011 07:20:41	Bright	40.000	130	23Bet Dra	2.7990	5800.0	80	48684	No
82	GOM_TRA_1PNPDE20110622_073026_000000473103_00394_48684_7602.N1	22-JUN-2011 07:30:26	Bright	47.000	89	5Alp Cep	2.4510	8000.0	94	48684	No
83	GOM_TRA_1PNPDK20110622_073721_000000463103_00394_48684_7586.N1	22-JUN-2011 07:37:21	Bright	46.000	74	11Bet Cas	2.2680	6600.0	92	48684	No
84	GOM_TRA_1PNPDK20110622_073853_000000523103_00394_48684_7587.N1	22-JUN-2011 07:38:53	Bright	51.500	68	18Alp Cas	2.2250	4500.0	103	48684	No
85	GOM_TRA_1PNPDK20110622_074432_000000433103_00394_48684_7588.N1	22-JUN-2011 07:44:32	Bright	43.000	73	57Gam1And	2.2600	13100.	86	48684	No
86	GOM_TRA_1PNPDK20110622_074656_000000593103_00394_48684_7589.N1	22-JUN-2011 07:46:56	Twilight	58.500	53	43Bet And	2.0480	3300.0	117	48684	No
87	GOM_TRA_1PNPDK20110622_075046_000000543103_00394_48684_7590.N1	22-JUN-2011 07:50:46	Twilight	53.500	50	13Alp Ari	2.0070	4250.0	107	48684	No
88	GOM_TRA_1PNPDK20110622_080801_000000613103_00394_48684_7591.N1	22-JUN-2011 08:08:01	Dark	60.500	52	16Bet Cet	2.0370	4500.0	121	48684	No
89	GOM_TRA_1PNPDK20110622_081340_000000463103_00394_48684_7592.N1	22-JUN-2011 08:13:40	Dark	45.500	84	Alp Phe	2.3970	4500.0	91	48684	No
90	GOM_TRA_1PNPDK20110622_082005_000000653103_00395_48685_7593.N1	22-JUN-2011 08:20:05	Dark	64.500	63	Bet Gru	2.1500	2800.0	129	48685	No
91	GOM_TRA_1PNPDK20110622_082207_000000533103_00395_48685_7594.N1	22-JUN-2011 08:22:07	Straylight	52.500	31	Alp Gru	1.7340	15200.	105	48685	No
92	GOM_TRA_1PNPDK20110622_082516_000000423103_00395_48685_7595.N1	22-JUN-2011 08:25:16	Straylight	41.500	45	Alp Pav	1.9400	26000.	83	48685	No
93	GOM_TRA_1PNPDK20110622_083429_000000463103_00395_48685_7596.N1	22-JUN-2011 08:34:29	Twilight	45.500	38	20Eps Sgr	1.8360	11000.	91	48685	No
94	GOM_TRA_1PNPDK20110622_083554_000000533103_00395_48685_7597.N1	22-JUN-2011 08:35:54	Twilight	52.500	116	19Del Sgr	2.7000	4100.0	105	48685	No
95	GOM_TRA_1PNPDK20110622_083803_000000503103_00395_48685_7598.N1	22-JUN-2011 08:38:03	Bright	50.000	155	41Pi Sgr	2.9000	6600.0	100	48685	No
96	GOM_TRA_1PNPDK20110622_084654_000000413103_00395_48685_7608.N1	22-JUN-2011 08:46:54	Bright	40.500	126	60Bet Oph	2.7700	4250.0	81	48685	No
97	GOM_TRA_1PNPDK20110622_084918_000000393103_00395_48685_7609.N1	22-JUN-2011 08:49:18	Bright	39.000	59	55Alp Oph	2.0800	8900.0	78	48685	No
98	GOM_TRA_1PNPDK20110622_085859_000000493103_00395_48685_7610.N1	22-JUN-2011 08:58:59	Bright	49.000	5	3Alp Lyr	0.033000	11000.	98	48685	No
99	GOM_TRA_1PNPDK20110622_090055_000000393103_00395_48685_7611.N1	22-JUN-2011 09:00:55	Bright	38.500	130	23Bet Dra	2.7990	5800.0	77	48685	No
100	GOM_TRA_1PNPDK20110622_091039_000000473103_00395_48685_7612.N1	22-JUN-2011 09:10:39	Bright	47.000	89	5Alp Cep	2.4510	8000.0	94	48685	No
101	GOM_TRA_1PNPDK20110622_091735_000000453103_00395_48685_7613.N1	22-JUN-2011 09:17:35	Bright	45.000	74	11Bet Cas	2.2680	6600.0	90	48685	No
102	GOM_TRA_1PNPDK20110622_091906_000000473103_00395_48685_7614.N1	22-JUN-2011 09:19:06	Bright	47.000	68	18Alp Cas	2.2250	4500.0	94	48685	No
103	GOM_TRA_1PNPDK20110622_092446_000000453103_00395_48685_7615.N1	22-JUN-2011 09:24:46	Bright	45.000	73	57Gam1And	2.2600	13100.	90	48685	No
104	GOM_TRA_1PNPDK20110622_092710_000000653103_00395_48685_7616.N1	22-JUN-2011 09:27:10	Twilight	65.000	53	43Bet And	2.0480	3300.0	130	48685	No
105	GOM_TRA_1PNPDK20110622_093100_000000543103_00395_48685_7617.N1	22-JUN-2011 09:31:00	Twilight	54.000	50	13Alp Ari	2.0070	4250.0	108	48685	No
106	GOM_TRA_1PNPDK20110622_094816_000000643103_00395_48685_7618.N1	22-JUN-2011 09:48:16	Dark	64.000	52	16Bet Cet	2.0370	4500.0	128	48685	No
107	GOM_TRA_1PNPDK20110622_095354_000000473103_00395_48685_7619.N1	22-JUN-2011 09:53:54	Dark	46.500	84	Alp Phe	2.3970	4500.0	93	48685	No
108	GOM_TRA_1PNPDK20110622_100020_000000673103_00396_48686_7620.N1	22-JUN-2011 10:00:20	Dark	66.500	63	Bet Gru	2.1500	2800.0	133	48686	No
109	GOM_TRA_1PNPDK20110622_100222_000000513103_00396_48686_7621.N1	22-JUN-2011 10:02:22	Straylight	50.500	31	Alp Gru	1.7340	15200.	101	48686	No
110	GOM_TRA_1PNPDK20110622_100531_000000493103_00396_48686_7622.N1	22-JUN-2011 10:05:31	Straylight	48.500	45	Alp Pav	1.9400	26000.	97	48686	No
111	GOM_TRA_1PNPDK20110622_101443_000000473103_00396_48686_7623.N1	22-JUN-2011 10:14:43	Twilight	46.500	38	20Eps Sgr	1.8360	11000.	93	48686	No
112	GOM_TRA_1PNPDK20110622_101608_000000483103_00396_48686_7624.N1	22-JUN-2011 10:16:08	Twilight	48.000	116	19Del Sgr	2.7000	4100.0	96	48686	No
113	GOM_TRA_1PNPDK20110622_101817_000000493103_00396_48686_7625.N1	22-JUN-2011 10:18:17	Bright	48.500	155	41Pi Sgr	2.9000	6600.0	97	48686	No
114	GOM_TRA_1PNPDK20110622_102708_000000423103_00396_48686_7626.N1	22-JUN-2011 10:27:08	Bright	42.000	126	60Bet Oph	2.7700	4250.0	84	48686	No
115	GOM_TRA_1PNPDK20110622_102932_000000393103_00396_48686_7627.N1	22-JUN-2011 10:29:32	Bright	39.000	59	55Alp Oph	2.0800	8900.0	78	48686	No
116	GOM_TRA_1PNPDK20110622_103912_000000513103_00396_48686_7628.N1	22-JUN-2011 10:39:12	Bright	50.500	5	3Alp Lyr	0.033000	11000.	101	48686	No
117	GOM_TRA_1PNPDK20110622_104108_000000413103_00396_48686_7629.N1	22-JUN-2011 10:41:08	Bright	41.000	130	23Bet Dra	2.7990	5800.0	82	48686	No
118	GOM_TRA_1PNPDK20110622_105052_000000463103_00396_48686_7630.N1	22-JUN-2011 10:50:52	Bright	45.500	89	5Alp Cep	2.4510	8000.0	91	48686	No
119	GOM_TRA_1PNPDK20110622_105748_000000453103_00396_48686_7631.N1	22-JUN-2011 10:57:48	Bright	45.000	74	11Bet Cas	2.2680	6600.0	90	48686	No
120	GOM_TRA_1PNPDK20110622_105920_000000473103_00396_48686_7632.N1	22-JUN-2011 10:59:20	Bright	47.000	68	18Alp Cas	2.2250	4500.0	94	48686	No
121	GOM_TRA_1PNPDK20110622_110500_000000443103_00396_48686_7633.N1	22-JUN-2011 11:05:00	Bright	44.000	73	57Gam1And	2.2600	13100.	88	48686	No
122	GOM_TRA_1PNPDK20110622_110724_000000613103_00396_48686_7634.N1	22-JUN-2011 11:07:24	Twilight	60.500	53	43Bet And	2.0480	3300.0	121	48686	No
123	GOM_TRA_1PNPDK20110622_111114_000000543103_00396_48686_7635.N1	22-JUN-2011 11:11:14	Twilight	54.000	50	13Alp Ari	2.0070	4250.0	108	48686	No
124	GOM_TRA_1PNPDK20110622_112831_000000733103_00396_48686_7636.N1	22-JUN-2011 11:28:31	Dark	72.500	52	16Bet Cet	2.0370	4500.0	145	48686	No
125	GOM_TRA_1PNPDK20110622_113409_000000493103_00396_48686_7637.N1	22-JUN-2011 11:34:09	Dark	48.500	84	Alp Phe	2.3970	4500.0	97	48686	No
126	GOM_TRA_1PNPDK20110622_114035_000000523103_00397_48687_7638.N1	22-JUN-2011 11:40:35	Dark	52.000	63	Bet Gru	2.1500	2800.0	104	48687	No
127	GOM_TRA_1PNPDK20110622_114237_000000493103_00397_48687_7639.N1	22-JUN-2011 11:42:37	Straylight	48.500	31	Alp Gru	1.7340	15200.	97	48687	No
128	GOM_TRA_1PNPDK20110622_114545_000000433103_00397_48687_7640.N1	22-JUN-2011 11:45:45	Straylight	43.000	45	Alp Pav	1.9400	26000.	86	48687	No
129	GOM_TRA_1PNPDK20110622_115458_000000443103_00397_48687_7641.N1	22-JUN-2011 11:54:58	Twilight	44.000	38	20Eps Sgr	1.8360	11000.	88	48687	No
130	GOM_TRA_1PNPDK20110622_115623_000000483103_00397_48687_7642.N1	22-JUN-2011 11:56:23	Twilight	48.000	116	19Del Sgr	2.7000	4100.0	96	48687	No

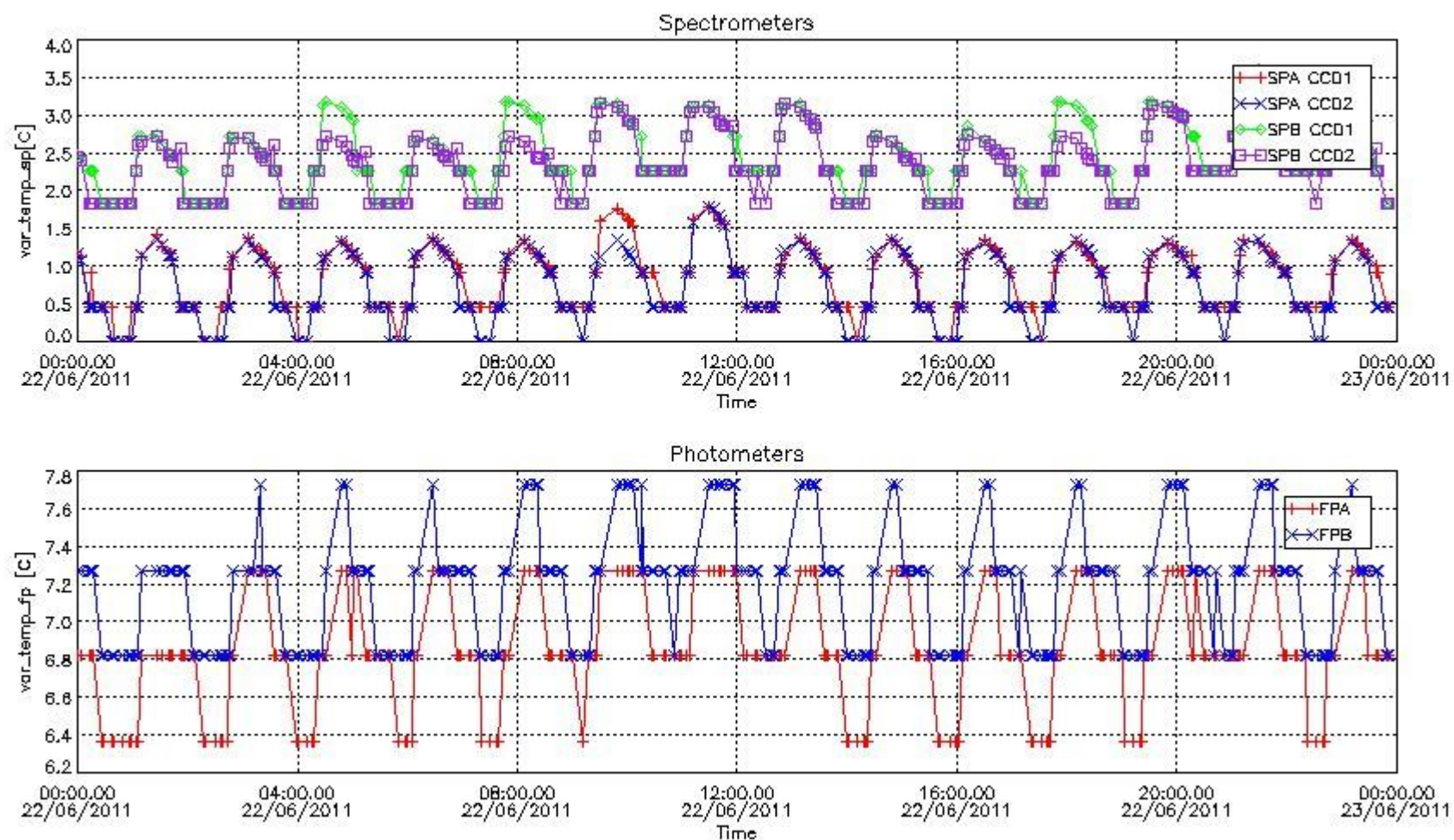
131	GOM_TRA_1PNPDK20110622_115832_000000503103_00397_48687_7643.N1	22-JUN-2011 11:58:32	Bright	50.000	155	41Pi Sgr	2.9000	6600.0	100	48687	No
132	GOM_TRA_1PNPDK20110622_120722_000000413103_00397_48687_7645.N1	22-JUN-2011 12:07:22	Bright	40.500	126	60Bet Oph	2.7700	4250.0	81	48687	No
133	GOM_TRA_1PNPDK20110622_120945_000000393103_00397_48687_7646.N1	22-JUN-2011 12:09:45	Bright	38.500	59	55Alp Oph	2.0800	8900.0	77	48687	No
134	GOM_TRA_1PNPDK20110622_121925_000000503103_00397_48687_7647.N1	22-JUN-2011 12:19:25	Bright	50.000	5	3Alp Lyr	0.033000	11000.	100	48687	No
135	GOM_TRA_1PNPDK20110622_122122_000000413103_00397_48687_7648.N1	22-JUN-2011 12:21:22	Bright	40.500	130	23Bet Dra	2.7990	5800.0	81	48687	No
136	GOM_TRA_1PNPDK20110622_123106_000000473103_00397_48687_7649.N1	22-JUN-2011 12:31:06	Bright	47.000	89	5Alp Cep	2.4510	8000.0	94	48687	No
137	GOM_TRA_1PNPDK20110622_123802_000000673103_00397_48687_7650.N1	22-JUN-2011 12:38:02	Bright	67.000	74	11Bet Cas	2.2680	6600.0	134	48687	No
138	GOM_TRA_1PNPDK20110622_123934_000000453103_00397_48687_7651.N1	22-JUN-2011 12:39:34	Bright	45.000	68	18Alp Cas	2.2250	4500.0	90	48687	No
139	GOM_TRA_1PNPDK20110622_124514_000000443103_00397_48687_7652.N1	22-JUN-2011 12:45:14	Bright	44.000	73	57Gam1And	2.2600	13100.	88	48687	No
140	GOM_TRA_1PNPDK20110622_124738_000000643103_00397_48687_7653.N1	22-JUN-2011 12:47:38	Twilight	63.500	53	43Bet And	2.0480	3300.0	127	48687	No
141	GOM_TRA_1PNPDK20110622_125128_000000513103_00397_48687_7654.N1	22-JUN-2011 12:51:28	Twilight	51.000	50	13Alp Ari	2.0070	4250.0	102	48687	No
142	GOM_TRA_1PNPDK20110622_130847_000000633103_00397_48687_7655.N1	22-JUN-2011 13:08:47	Dark	63.000	52	16Bet Cet	2.0370	4500.0	126	48687	No
143	GOM_TRA_1PNPDK20110622_131424_000000493103_00397_48687_7656.N1	22-JUN-2011 13:14:24	Dark	49.000	84	Alp Phe	2.3970	4500.0	98	48687	No
144	GOM_TRA_1PNPDK20110622_132050_000000523103_00398_48688_7657.N1	22-JUN-2011 13:20:50	Dark	52.000	63	Bet Gru	2.1500	2800.0	104	48688	No
145	GOM_TRA_1PNPDK20110622_132252_000000503103_00398_48688_7658.N1	22-JUN-2011 13:22:52	Straylight	50.000	31	Alp Gru	1.7340	15200.	100	48688	No
146	GOM_TRA_1PNPDK20110622_132559_000000433103_00398_48688_7659.N1	22-JUN-2011 13:25:59	Straylight	42.500	45	Alp Pav	1.9400	26000.	85	48688	No
147	GOM_TRA_1PNPDK20110622_133512_000000473103_00398_48688_7660.N1	22-JUN-2011 13:35:12	Twilight	47.000	38	20Eps Sgr	1.8360	11000.	94	48688	No
148	GOM_TRA_1PNPDK20110622_133637_000000493103_00398_48688_7661.N1	22-JUN-2011 13:36:37	Twilight	49.000	116	19Del Sgr	2.7000	4100.0	98	48688	No
149	GOM_TRA_1PNPDK20110622_133846_000000513103_00398_48688_7662.N1	22-JUN-2011 13:38:46	Bright	51.000	155	41Pi Sgr	2.9000	6600.0	102	48688	No
150	GOM_TRA_1PNPDK20110622_134736_000000403103_00398_48688_7667.N1	22-JUN-2011 13:47:36	Bright	39.500	126	60Bet Oph	2.7700	4250.0	79	48688	No
151	GOM_TRA_1PNPDK20110622_134959_000000393103_00398_48688_7668.N1	22-JUN-2011 13:49:59	Bright	39.000	59	55Alp Oph	2.0800	8900.0	78	48688	No
152	GOM_TRA_1PNPDK20110622_135939_000000503103_00398_48688_7669.N1	22-JUN-2011 13:59:39	Bright	49.500	5	3Alp Lyr	0.033000	11000.	99	48688	No
153	GOM_TRA_1PNPDK20110622_140136_000000393103_00398_48688_7670.N1	22-JUN-2011 14:01:36	Bright	39.000	130	23Bet Dra	2.7990	5800.0	78	48688	No
154	GOM_TRA_1PNPDK20110622_141119_000000473103_00398_48688_7671.N1	22-JUN-2011 14:11:19	Bright	46.500	89	5Alp Cep	2.4510	8000.0	93	48688	No
155	GOM_TRA_1PNPDK20110622_141815_000000673103_00398_48688_7672.N1	22-JUN-2011 14:18:15	Bright	67.000	74	11Bet Cas	2.2680	6600.0	134	48688	No
156	GOM_TRA_1PNPDK20110622_141947_000000663103_00398_48688_7673.N1	22-JUN-2011 14:19:47	Bright	66.000	68	18Alp Cas	2.2250	4500.0	132	48688	No
157	GOM_TRA_1PNPDK20110622_142204_000000453103_00398_48688_7674.N1	22-JUN-2011 14:22:04	Bright	44.500	160	23Gam Per	2.9300	4700.0	89	48688	No
158	GOM_TRA_1PNPDK20110622_142528_000000453103_00398_48688_7675.N1	22-JUN-2011 14:25:28	Bright	44.500	73	57Gam1And	2.2600	13100.	89	48688	No
159	GOM_TRA_1PNPDK20110622_142752_000000643103_00398_48688_7676.N1	22-JUN-2011 14:27:52	Twilight	64.000	53	43Bet And	2.0480	3300.0	128	48688	No
160	GOM_TRA_1PNPDK20110622_143143_000000533103_00398_48688_7677.N1	22-JUN-2011 14:31:43	Twilight	52.500	50	13Alp Ari	2.0070	4250.0	105	48688	No
161	GOM_TRA_1PNPDK20110622_144902_000000693103_00398_48688_7678.N1	22-JUN-2011 14:49:02	Dark	69.000	52	16Bet Cet	2.0370	4500.0	138	48688	No
162	GOM_TRA_1PNPDK20110622_145439_000000553103_00398_48688_7679.N1	22-JUN-2011 14:54:39	Dark	54.500	84	Alp Phe	2.3970	4500.0	109	48688	No
163	GOM_TRA_1PNPDK20110622_150105_000000523103_00399_48689_7680.N1	22-JUN-2011 15:01:05	Dark	52.000	63	Bet Gru	2.1500	2800.0	104	48689	No
164	GOM_TRA_1PNPDK20110622_150307_000000493103_00399_48689_7681.N1	22-JUN-2011 15:03:07	Straylight	49.000	31	Alp Gru	1.7340	15200.	98	48689	No
165	GOM_TRA_1PNPDK20110622_150614_000000423103_00399_48689_7682.N1	22-JUN-2011 15:06:14	Straylight	41.500	45	Alp Pav	1.9400	26000.	83	48689	No
166	GOM_TRA_1PNPDK20110622_151526_000000453103_00399_48689_7683.N1	22-JUN-2011 15:15:26	Twilight	45.000	38	20Eps Sgr	1.8360	11000.	90	48689	No
167	GOM_TRA_1PNPDK20110622_151651_000000493103_00399_48689_7684.N1	22-JUN-2011 15:16:51	Twilight	48.500	116	19Del Sgr	2.7000	4100.0	97	48689	No
168	GOM_TRA_1PNPDK20110622_151900_000000513103_00399_48689_7694.N1	22-JUN-2011 15:19:00	Bright	50.500	155	41Pi Sgr	2.9000	6600.0	101	48689	No
169	GOM_TRA_1PNPDK20110622_152749_000000403103_00399_48689_7695.N1	22-JUN-2011 15:27:49	Bright	40.000	126	60Bet Oph	2.7700	4250.0	80	48689	No
170	GOM_TRA_1PNPDK20110622_153013_000000433103_00399_48689_7696.N1	22-JUN-2011 15:30:13	Bright	42.500	59	55Alp Oph	2.0800	8900.0	85	48689	No
171	GOM_TRA_1PNPDK20110622_153952_000000503103_00399_48689_7697.N1	22-JUN-2011 15:39:52	Bright	50.000	5	3Alp Lyr	0.033000	11000.	100	48689	No
172	GOM_TRA_1PNPDK20110622_154150_000000373103_00399_48689_7698.N1	22-JUN-2011 15:41:50	Bright	37.000	130	23Bet Dra	2.7990	5800.0	74	48689	No
173	GOM_TRA_1PNPDK20110622_155132_000000473103_00399_48689_7699.N1	22-JUN-2011 15:51:32	Bright	46.500	89	5Alp Cep	2.4510	8000.0	93	48689	No
174	GOM_TRA_1PNPDK20110622_155829_000000443103_00399_48689_7700.N1	22-JUN-2011 15:58:29	Bright	44.000	74	11Bet Cas	2.2680	6600.0	88	48689	No
175	GOM_TRA_1PNPDK20110622_160001_000000663103_00399_48689_7701.N1	22-JUN-2011 16:00:01	Bright	66.000	68	18Alp Cas	2.2250	4500.0	132	48689	No
176	GOM_TRA_1PNPDK20110622_160218_000000353103_00399_48689_7702.N1	22-JUN-2011 16:02:18	Bright	35.000	160	23Gam Per	2.9300	4700.0	70	48689	No
177	GOM_TRA_1PNPDK20110622_160542_000000443103_00399_48689_7703.N1	22-JUN-2011 16:05:42	Bright	43.500	73	57Gam1And	2.2600	13100.	87	48689	No
178	GOM_TRA_1PNPDK20110622_160806_000000613103_00399_48689_7704.N1	22-JUN-2011 16:08:06	Twilight	60.500	53	43Bet And	2.0480	3300.0	121	48689	No
179	GOM_TRA_1PNPDK20110622_161157_000000513103_00399_48689_7705.N1	22-JUN-2011 16:11:57	Twilight	51.000	50	13Alp Ari	2.0070	4250.0	102	48689	No
180	GOM_TRA_1PNPDK20110622_162918_000000703103_00399_48689_7706.N1	22-JUN-2011 16:29:18	Dark	69.500	52	16Bet Cet	2.0370	4500.0	139	48689	No
181	GOM_TRA_1PNPDK20110622_163454_000000593103_00399_48689_7707.N1	22-JUN-2011 16:34:54	Dark	58.500	84	Alp Phe	2.3970	4500.0	117	48689	No
182	GOM_TRA_1PNPDK20110622_164120_000000533103_00400_48690_7708.N1	22-JUN-2011 16:41:20	Dark	53.000	63	Bet Gru	2.1500	2800.0	106	48690	No
183	GOM_TRA_1PNPDK20110622_164322_000000503103_00400_48690_7709.N1	22-JUN-2011 16:43:22	Straylight	50.000	31	Alp Gru	1.7340	15200.	100	48690	No
184	GOM_TRA_1PNPDK20110622_164628_000000423103_00400_48690_7710.N1	22-JUN-2011 16:46:28	Straylight	41.500	45	Alp Pav	1.9400	26000.	83	48690	No
185	GOM_TRA_1PNPDK20110622_165541_000000483103_00400_48690_7709.N1	22-JUN-2011 16:55:41	Twilight	48.000	38	20Eps Sgr	1.8360	11000.	96	48690	No
186	GOM_TRA_1PNPDK20110622_165705_000000503103_00400_48690_7710.N1	22-JUN-2011 16:57:05	Twilight	49.500	116	19Del Sgr	2.7000	4100.0	99	48690	No
187	GOM_TRA_1PNPDK20110622_165914_000000513103_00400_48690_7711.N1	22-JUN-2011 16:59:14	Bright	50.500	155	41Pi Sgr	2.9000	6600.0	101	48690	No
188	GOM_TRA_1PNPDK20110622_170803_000000413103_00400_48690_7712.N1	22-JUN-2011 17:08:03	Bright	41.000	126	60Bet Oph	2.7700	4250.0	82	48690	No
189	GOM_TRA_1PNPDK20110622_171027_000000403103_00400_48690_7713.N1	22-JUN-2011 17:10:27	Bright	40.000	59	55Alp Oph	2.0800	8900.0	80	48690	No

190	GOM_TRA_1PNPDK20110622_172006_000000493103_00400_48690_7714.N1	22-JUN-2011 17:20:06	Bright	49.000	5	3Alp Lyr	0.033000	11000.	98	48690	No
191	GOM_TRA_1PNPDK20110622_172203_000000393103_00400_48690_7715.N1	22-JUN-2011 17:22:03	Bright	39.000	130	23Bet Dra	2.7990	5800.0	78	48690	No
192	GOM_TRA_1PNPDK20110622_173146_000000483103_00400_48690_7716.N1	22-JUN-2011 17:31:46	Bright	47.500	89	5Alp Cep	2.4510	8000.0	95	48690	No
193	GOM_TRA_1PNPDK20110622_173842_000000473103_00400_48690_7717.N1	22-JUN-2011 17:38:42	Bright	46.500	74	11Bet Cas	2.2680	6600.0	93	48690	No
194	GOM_TRA_1PNPDK20110622_174015_000000483103_00400_48690_7718.N1	22-JUN-2011 17:40:15	Bright	47.500	68	18Alp Cas	2.2250	4500.0	95	48690	No
195	GOM_TRA_1PNPDK20110622_174232_000000353103_00400_48690_7719.N1	22-JUN-2011 17:42:32	Bright	34.500	160	23Gam Per	2.9300	4700.0	69	48690	No
196	GOM_TRA_1PNPDK20110622_174556_000000443103_00400_48690_7720.N1	22-JUN-2011 17:45:56	Bright	43.500	73	57Gam1And	2.2600	13100.	87	48690	No
197	GOM_TRA_1PNPDK20110622_174820_000000613103_00400_48690_7721.N1	22-JUN-2011 17:48:20	Twilight	60.500	53	43Bet And	2.0480	3300.0	121	48690	No
198	GOM_TRA_1PNPDK20110622_175211_000000503103_00400_48690_7722.N1	22-JUN-2011 17:52:11	Twilight	50.000	50	13Alp Ari	2.0070	4250.0	100	48690	No
199	GOM_TRA_1PNPDK20110622_180933_000000613103_00400_48690_7723.N1	22-JUN-2011 18:09:33	Dark	60.500	52	16Bet Cet	2.0370	4500.0	121	48690	No
200	GOM_TRA_1PNPDK20110622_181509_000000483103_00400_48690_7724.N1	22-JUN-2011 18:15:09	Dark	47.500	84	Alp Phe	2.3970	4500.0	95	48690	No
201	GOM_TRA_1PNPDK20110622_182135_000000643103_00401_48691_7725.N1	22-JUN-2011 18:21:35	Dark	63.500	63	Bet Gru	2.1500	2800.0	127	48691	No
202	GOM_TRA_1PNPDK20110622_182337_000000493103_00401_48691_7726.N1	22-JUN-2011 18:23:37	Straylight	48.500	31	Alp Gru	1.7340	15200.	97	48691	No
203	GOM_TRA_1PNPDK20110622_182643_000000403103_00401_48691_7727.N1	22-JUN-2011 18:26:43	Straylight	39.500	45	Alp Pav	1.9400	26000.	79	48691	No
204	GOM_TRA_1PNPDK20110622_183555_000000463103_00401_48691_7731.N1	22-JUN-2011 18:35:55	Twilight	45.500	38	20Eps Sgr	1.8360	11000.	91	48691	No
205	GOM_TRA_1PNPDK20110622_183720_000000563103_00401_48691_7732.N1	22-JUN-2011 18:37:20	Bright	56.000	116	19Del Sgr	2.7000	4100.0	112	48691	No
206	GOM_TRA_1PNPDK20110622_183929_000000503103_00401_48691_7733.N1	22-JUN-2011 18:39:29	Bright	50.000	155	41Pi Sgr	2.9000	6600.0	100	48691	No
207	GOM_TRA_1PNPDK20110622_184817_000000403103_00401_48691_7734.N1	22-JUN-2011 18:48:17	Bright	40.000	126	60Bet Oph	2.7700	4250.0	80	48691	No
208	GOM_TRA_1PNPDK20110622_185041_000000393103_00401_48691_7735.N1	22-JUN-2011 18:50:41	Bright	38.500	59	55Alp Oph	2.0800	8900.0	77	48691	No
209	GOM_TRA_1PNPDK20110622_190019_000000513103_00401_48691_7736.N1	22-JUN-2011 19:00:19	Bright	50.500	5	3Alp Lyr	0.033000	11000.	101	48691	No
210	GOM_TRA_1PNPDK20110622_190217_000000403103_00401_48691_7737.N1	22-JUN-2011 19:02:17	Bright	40.000	130	23Bet Dra	2.7990	5800.0	80	48691	No
211	GOM_TRA_1PNPDK20110622_191159_000000483103_00401_48691_7738.N1	22-JUN-2011 19:11:59	Bright	47.500	89	5Alp Cep	2.4510	8000.0	95	48691	No
212	GOM_TRA_1PNPDK20110622_191856_000000673103_00401_48691_7739.N1	22-JUN-2011 19:18:56	Bright	67.000	74	11Bet Cas	2.2680	6600.0	134	48691	No
213	GOM_TRA_1PNPDK20110622_192029_000000663103_00401_48691_7740.N1	22-JUN-2011 19:20:29	Bright	66.000	68	18Alp Cas	2.2250	4500.0	132	48691	No
214	GOM_TRA_1PNPDK20110622_192246_000000543103_00401_48691_7741.N1	22-JUN-2011 19:22:46	Bright	53.500	160	23Gam Per	2.9300	4700.0	107	48691	No
215	GOM_TRA_1PNPDK20110622_192610_000000433103_00401_48691_7742.N1	22-JUN-2011 19:26:10	Bright	43.000	73	57Gam1And	2.2600	13100.	86	48691	No
216	GOM_TRA_1PNPDK20110622_192834_000000603103_00401_48691_7743.N1	22-JUN-2011 19:28:34	Twilight	59.500	53	43Bet And	2.0480	3300.0	119	48691	No
217	GOM_TRA_1PNPDK20110622_193226_000000523103_00401_48691_7744.N1	22-JUN-2011 19:32:26	Twilight	52.000	50	13Alp Ari	2.0070	4250.0	104	48691	No
218	GOM_TRA_1PNPDK20110622_194948_000000653103_00401_48691_7745.N1	22-JUN-2011 19:49:48	Dark	65.000	52	16Bet Cet	2.0370	4500.0	130	48691	No
219	GOM_TRA_1PNPDK20110622_195524_000000523103_00401_48691_7746.N1	22-JUN-2011 19:55:24	Dark	51.500	84	Alp Phe	2.3970	4500.0	103	48691	No
220	GOM_TRA_1PNPDK20110622_200150_000000583103_00402_48692_7747.N1	22-JUN-2011 20:01:50	Dark	58.000	63	Bet Gru	2.1500	2800.0	116	48692	No
221	GOM_TRA_1PNPDK20110622_200352_000000493103_00402_48692_7748.N1	22-JUN-2011 20:03:52	Straylight	49.000	31	Alp Gru	1.7340	15200.	98	48692	No
222	GOM_TRA_1PNPDK20110622_200658_000000403103_00402_48692_7749.N1	22-JUN-2011 20:06:58	Straylight	40.000	45	Alp Pav	1.9400	26000.	80	48692	No
223	GOM_TRA_1PNPDE20110622_201609_000000453103_00402_48692_7688.N1	22-JUN-2011 20:16:09	Twilight	45.000	38	20Eps Sgr	1.8360	11000.	90	48692	No
224	GOM_TRA_1PNPDE20110622_201734_000000533103_00402_48692_7689.N1	22-JUN-2011 20:17:34	Bright	52.500	116	19Del Sgr	2.7000	4100.0	105	48692	No
225	GOM_TRA_1PNPDE20110622_201943_000000513103_00402_48692_7690.N1	22-JUN-2011 20:19:43	Bright	50.500	155	41Pi Sgr	2.9000	6600.0	101	48692	No
226	GOM_TRA_1PNPDE20110622_202831_000000403103_00402_48692_7691.N1	22-JUN-2011 20:28:31	Bright	40.000	126	60Bet Oph	2.7700	4250.0	80	48692	No
227	GOM_TRA_1PNPDE20110622_203055_000000393103_00402_48692_7692.N1	22-JUN-2011 20:30:55	Bright	39.000	59	55Alp Oph	2.0800	8900.0	78	48692	No
228	GOM_TRA_1PNPDE20110622_204032_000000463103_00402_48692_7693.N1	22-JUN-2011 20:40:32	Bright	46.000	5	3Alp Lyr	0.033000	11000.	92	48692	No
229	GOM_TRA_1PNPDE20110622_204231_000000393103_00402_48692_7694.N1	22-JUN-2011 20:42:31	Bright	39.000	130	23Bet Dra	2.7990	5800.0	78	48692	No
230	GOM_TRA_1PNPDE20110622_205212_000000473103_00402_48692_7695.N1	22-JUN-2011 20:52:12	Bright	46.500	89	5Alp Cep	2.4510	8000.0	93	48692	No
231	GOM_TRA_1PNPDE20110622_205910_000000673103_00402_48692_7696.N1	22-JUN-2011 20:59:10	Bright	67.000	74	11Bet Cas	2.2680	6600.0	134	48692	No
232	GOM_TRA_1PNPDE20110622_210042_000000473103_00402_48692_7697.N1	22-JUN-2011 21:00:42	Bright	46.500	68	18Alp Cas	2.2250	4500.0	93	48692	No
233	GOM_TRA_1PNPDE20110622_210300_000000353103_00402_48692_7698.N1	22-JUN-2011 21:03:00	Bright	34.500	160	23Gam Per	2.9300	4700.0	69	48692	No
234	GOM_TRA_1PNPDE20110622_210624_000000443103_00402_48692_7699.N1	22-JUN-2011 21:06:24	Bright	44.000	73	57Gam1And	2.2600	13100.	88	48692	No
235	GOM_TRA_1PNPDE20110622_210848_000000603103_00402_48692_7700.N1	22-JUN-2011 21:08:48	Twilight	60.000	53	43Bet And	2.0480	3300.0	120	48692	No
236	GOM_TRA_1PNPDE20110622_211240_000000523103_00402_48692_7701.N1	22-JUN-2011 21:12:40	Twilight	51.500	50	13Alp Ari	2.0070	4250.0	103	48692	No
237	GOM_TRA_1PNPDE20110622_213004_000000633103_00402_48692_7713.N1	22-JUN-2011 21:30:04	Dark	63.000	52	16Bet Cet	2.0370	4500.0	126	48692	No
238	GOM_TRA_1PNPDE20110622_213539_000000563103_00402_48692_7714.N1	22-JUN-2011 21:35:39	Dark	55.500	84	Alp Phe	2.3970	4500.0	111	48692	No
239	GOM_TRA_1PNPDE20110622_214205_000000523103_00403_48693_7715.N1	22-JUN-2011 21:42:05	Dark	51.500	63	Bet Gru	2.1500	2800.0	103	48693	No
240	GOM_TRA_1PNPDE20110622_214406_000000513103_00403_48693_7716.N1	22-JUN-2011 21:44:06	Straylight	51.000	31	Alp Gru	1.7340	15200.	102	48693	No
241	GOM_TRA_1PNPDE20110622_214712_000000413103_00403_48693_7717.N1	22-JUN-2011 21:47:12	Straylight	40.500	45	Alp Pav	1.9400	26000.	81	48693	No
242	GOM_TRA_1PNPDE20110622_215624_000000453103_00403_48693_7718.N1	22-JUN-2011 21:56:24	Twilight	44.500	38	20Eps Sgr	1.8360	11000.	89	48693	No
243	GOM_TRA_1PNPDE20110622_215748_000000483103_00403_48693_7719.N1	22-JUN-2011 21:57:48	Twilight	47.500	116	19Del Sgr	2.7000	4100.0	95	48693	No
244	GOM_TRA_1PNPDE20110622_215957_000000503103_00403_48693_7720.N1	22-JUN-2011 21:59:57	Bright	50.000	155	41Pi Sgr	2.9000	6600.0	100	48693	No
245	GOM_TRA_1PNPDE20110622_220845_000000403103_00403_48693_7721.N1	22-JUN-2011 22:08:45	Bright	39.500	126	60Bet Oph	2.7700	4250.0	79	48693	No
246	GOM_TRA_1PNPDE20110622_221109_000000393103_00403_48693_7722.N1	22-JUN-2011 22:11:09	Bright	38.500	59	55Alp Oph	2.0800	8900.0	77	48693	No
247	GOM_TRA_1PNPDE20110622_222046_000000493103_00403_48693_7723.N1	22-JUN-2011 22:20:46	Bright	49.000	5	3Alp Lyr	0.033000	11000.	98	48693	No
248	GOM_TRA_1PNPDE20110622_222245_000000393103_00403_48693_7724.N1	22-JUN-2011 22:22:45	Bright	39.000	130	23Bet Dra	2.7990	5800.0	78	48693	No



249	GOM_TRA_1PNPDE20110622_223225_000000463103_00403_48693_7725.N1	22-JUN-2011 22:32:25	Bright	45.500	89	5Alp Cep	2.4510	8000.0	91	48693	No
250	GOM_TRA_1PNPDE20110622_223923_000000463103_00403_48693_7726.N1	22-JUN-2011 22:39:23	Bright	45.500	74	11Bet Cas	2.2680	6600.0	91	48693	No
251	GOM_TRA_1PNPDE20110622_224056_000000453103_00403_48693_7727.N1	22-JUN-2011 22:40:56	Bright	44.500	68	18Alp Cas	2.2250	4500.0	89	48693	No
252	GOM_TRA_1PNPDE20110622_224314_000000533103_00403_48693_7728.N1	22-JUN-2011 22:43:14	Bright	53.000	160	23Gam Per	2.9300	4700.0	106	48693	No
253	GOM_TRA_1PNPDE20110622_224638_000000443103_00403_48693_7729.N1	22-JUN-2011 22:46:38	Bright	43.500	73	57Gam1And	2.2600	13100.	87	48693	No
254	GOM_TRA_1PNPDE20110622_224902_000000653103_00403_48693_7730.N1	22-JUN-2011 22:49:02	Twilight	64.500	53	43Bet And	2.0480	3300.0	129	48693	No
255	GOM_TRA_1PNPDE20110622_225254_000000523103_00403_48693_7731.N1	22-JUN-2011 22:52:54	Twilight	51.500	50	13Alp Ari	2.0070	4250.0	103	48693	No
256	GOM_TRA_1PNPDE20110622_231019_000000673103_00403_48693_7732.N1	22-JUN-2011 23:10:19	Dark	66.500	52	16Bet Cet	2.0370	4500.0	133	48693	No
257	GOM_TRA_1PNPDE20110622_231554_000000473103_00403_48693_7733.N1	22-JUN-2011 23:15:54	Dark	46.500	84	Alp Phe	2.3970	4500.0	93	48693	No
258	GOM_TRA_1PNPDE20110622_232220_000000523103_00404_48694_7734.N1	22-JUN-2011 23:22:20	Dark	52.000	63	Bet Gru	2.1500	2800.0	104	48694	No
259	GOM_TRA_1PNPDE20110622_232421_000000513103_00404_48694_7735.N1	22-JUN-2011 23:24:21	Straylight	51.000	31	Alp Gru	1.7340	15200.	102	48694	No
260	GOM_TRA_1PNPDE20110622_232727_000000413103_00404_48694_7736.N1	22-JUN-2011 23:27:27	Straylight	40.500	45	Alp Pav	1.9400	26000.	81	48694	No
261	GOM_TRA_1PNPDE20110622_233638_000000483103_00404_48694_7737.N1	22-JUN-2011 23:36:38	Twilight	47.500	38	20Eps Sgr	1.8360	11000.	95	48694	No
262	GOM_TRA_1PNPDE20110622_233802_000000553103_00404_48694_7738.N1	22-JUN-2011 23:38:02	Bright	55.000	116	19Del Sgr	2.7000	4100.0	110	48694	No
263	GOM_TRA_1PNPDE20110622_234011_000000503103_00404_48694_7739.N1	22-JUN-2011 23:40:11	Bright	50.000	155	41Pi Sgr	2.9000	6600.0	100	48694	No
264	GOM_TRA_1PNPDE20110622_234859_000000413103_00404_48694_7740.N1	22-JUN-2011 23:48:59	Bright	40.500	126	60Bet Oph	2.7700	4250.0	81	48694	No
265	GOM_TRA_1PNPDE20110622_235122_000000393103_00404_48694_7741.N1	22-JUN-2011 23:51:22	Bright	39.000	59	55Alp Oph	2.0800	8900.0	78	48694	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).

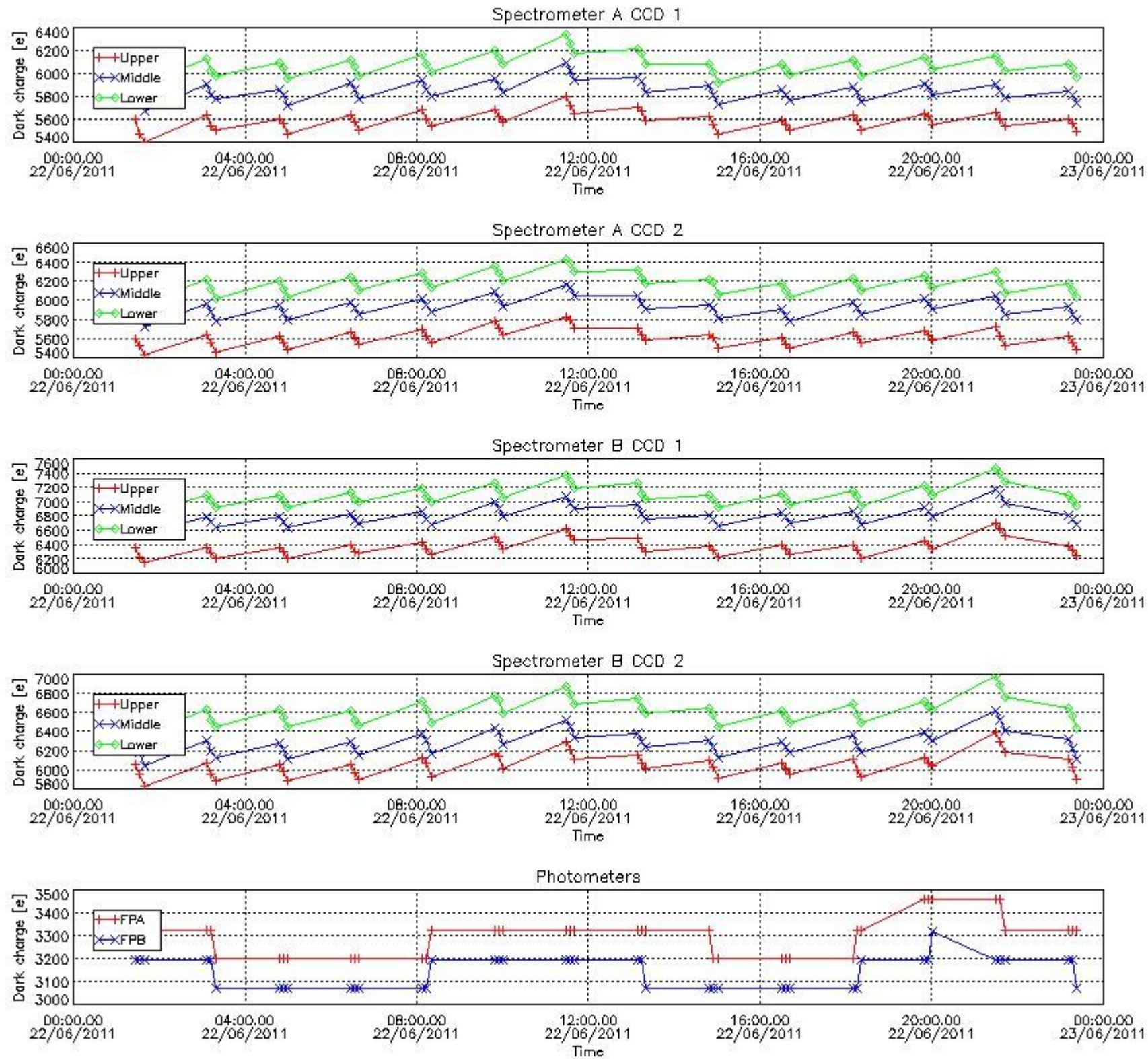
In this section a list of products that did not use the Dark Sky Area (DSA) observation for the DC computation is given. It is also provided the mean DC plot per product for dark limb products with no error flag set.

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

Product name	DC information
GOM_TRA_1PNPDE20110622_201609_000000453103_00402_48692_7688.N1	DC map used
GOM_TRA_1PNPDE20110622_201734_000000533103_00402_48692_7689.N1	DC map used
GOM_TRA_1PNPDE20110622_201943_000000513103_00402_48692_7690.N1	DC map used
GOM_TRA_1PNPDE20110622_202831_000000403103_00402_48692_7691.N1	DC map used
GOM_TRA_1PNPDE20110622_203055_000000393103_00402_48692_7692.N1	DC map used
GOM_TRA_1PNPDE20110622_204032_000000463103_00402_48692_7693.N1	DC map used
GOM_TRA_1PNPDE20110622_204231_000000393103_00402_48692_7694.N1	DC map used
GOM_TRA_1PNPDE20110622_205212_000000473103_00402_48692_7695.N1	DC map used
GOM_TRA_1PNPDE20110622_205910_000000673103_00402_48692_7696.N1	DC map used
GOM_TRA_1PNPDE20110622_210042_000000473103_00402_48692_7697.N1	DC map used
GOM_TRA_1PNPDE20110622_210300_000000353103_00402_48692_7698.N1	DC map used
GOM_TRA_1PNPDE20110622_210624_000000443103_00402_48692_7699.N1	DC map used
GOM_TRA_1PNPDE20110622_210848_000000603103_00402_48692_7700.N1	DC map used
GOM_TRA_1PNPDE20110622_211240_000000523103_00402_48692_7701.N1	DC map used

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





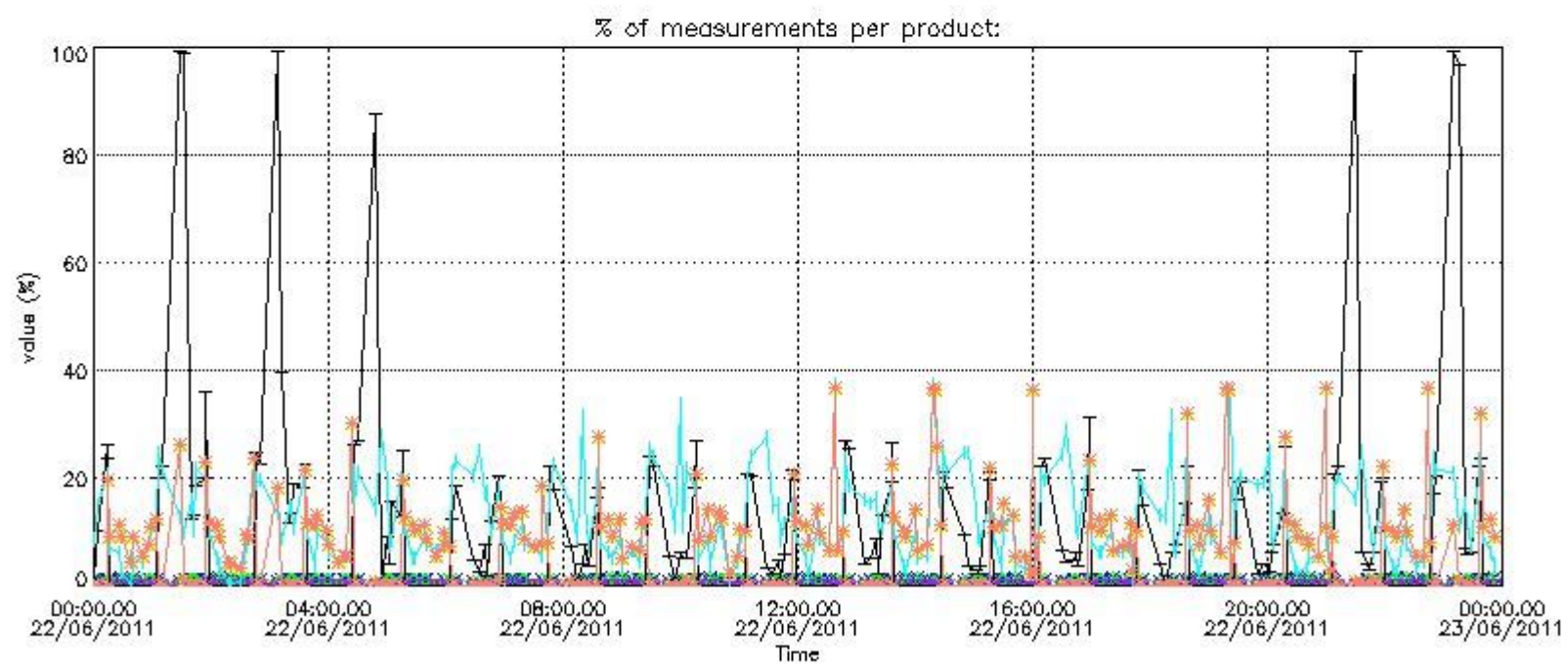
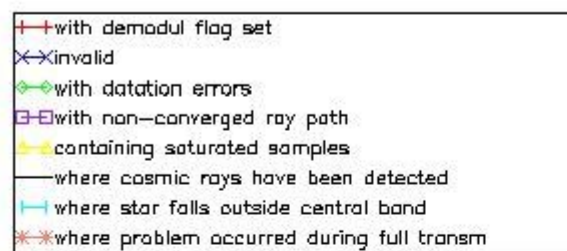
## 5. Demodulation flag and quality information monitoring

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:

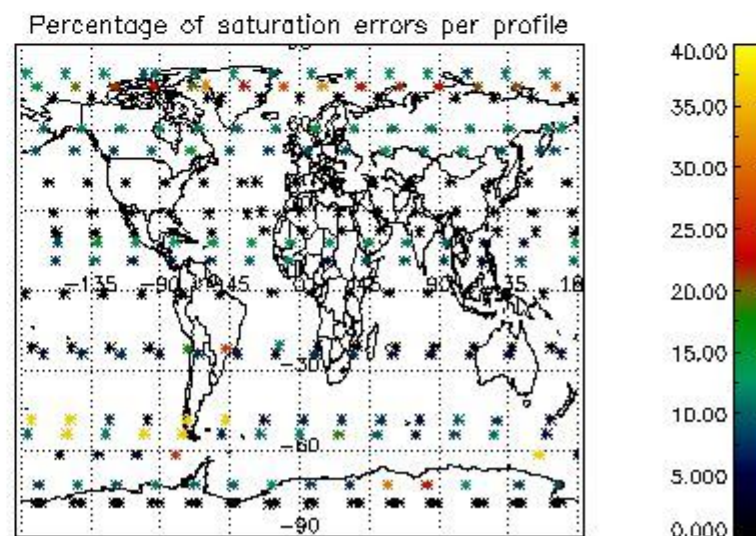
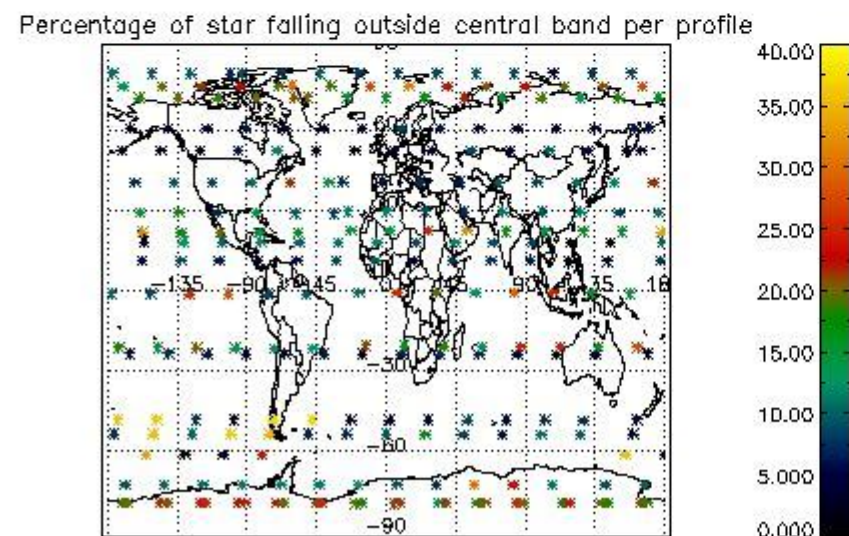
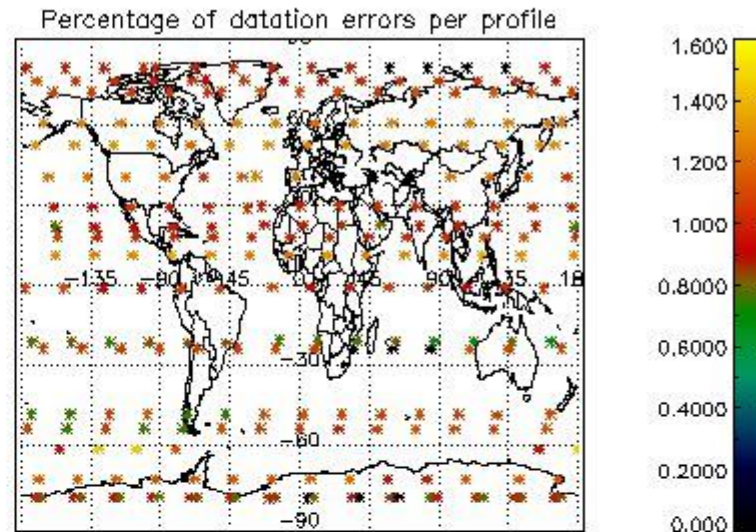
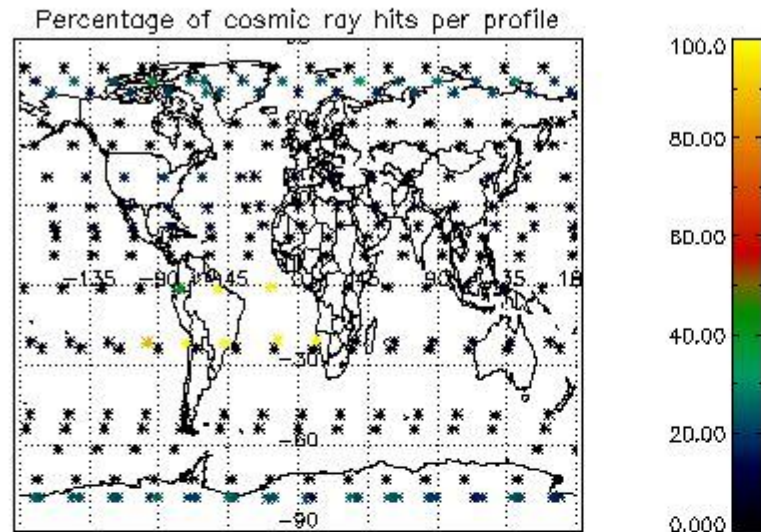
At least one measurement with demodulation flag set:	46.4151 %
Reference spectrum computed from DB:	0.00000 %
Reference spectrum with small number of measurements:	0.00000 %
SATU data not used:	52.0755 %

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)

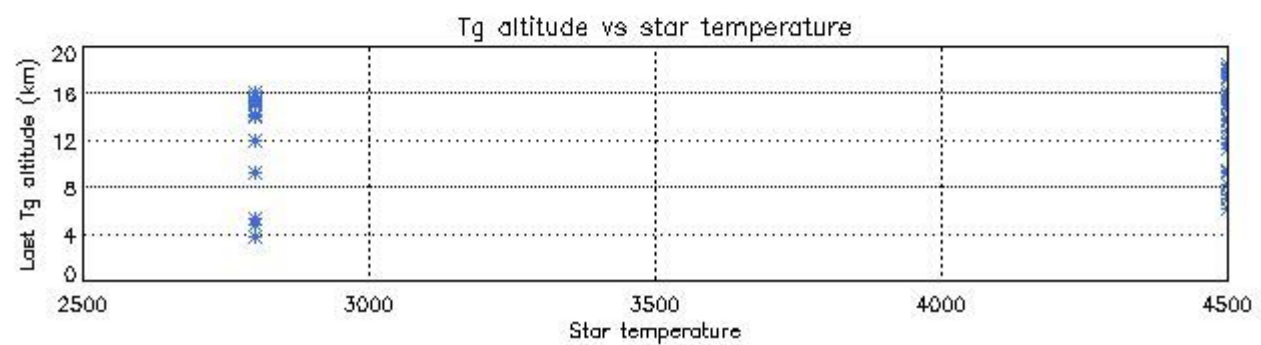
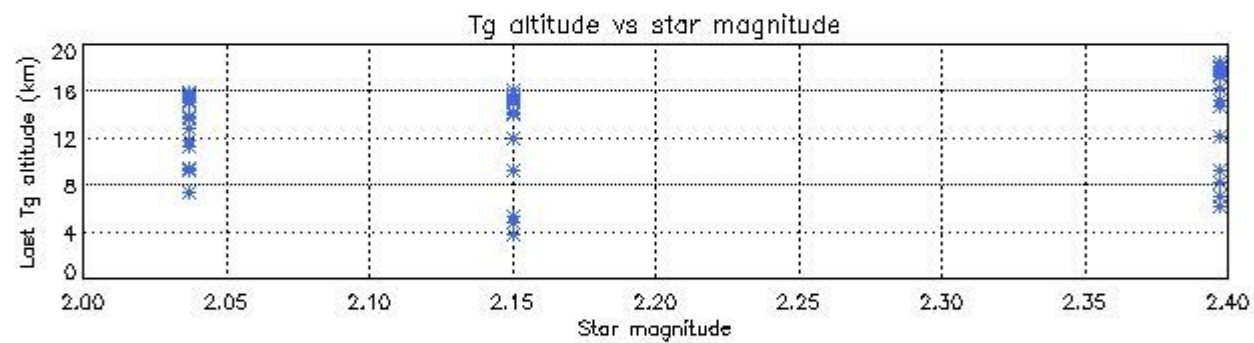
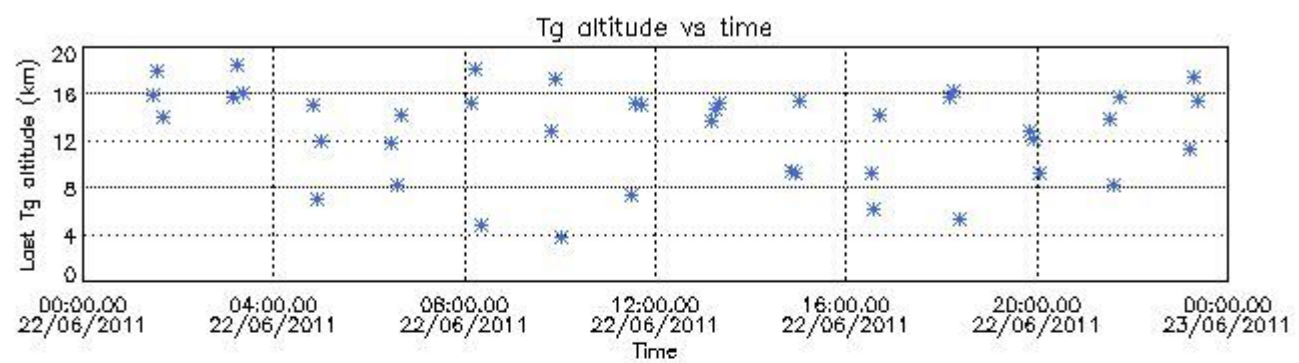
### 6.1 Statistics on tangent altitude lost:

Statistics	DARK	BRIGHT	TWILIGHT
Mean:	12.767	18.897	10.966
St. deviation:	3.9616	5.3623	0.94638
Maximum:	18.441	26.765	12.524
Minimum:	3.7493	3.5797	9.6159
Number of data:	42.000	138.00	14.000

### 6.2 Plot for DARK limb products

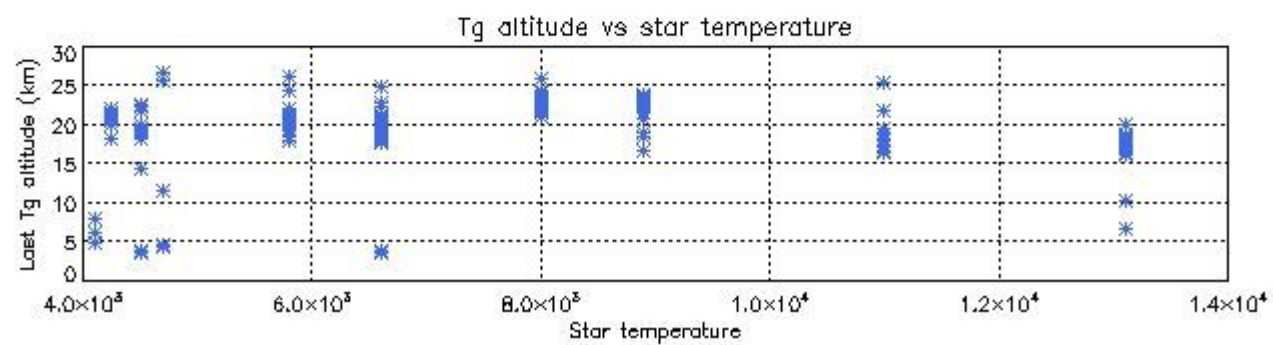
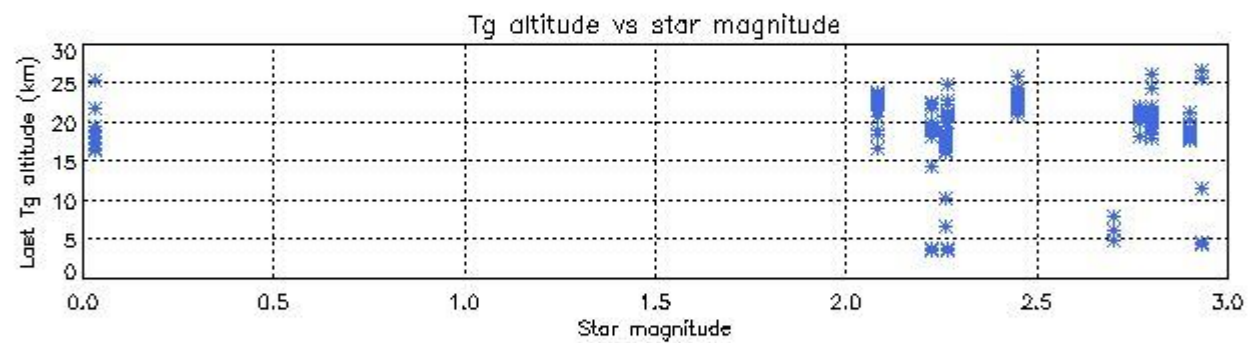
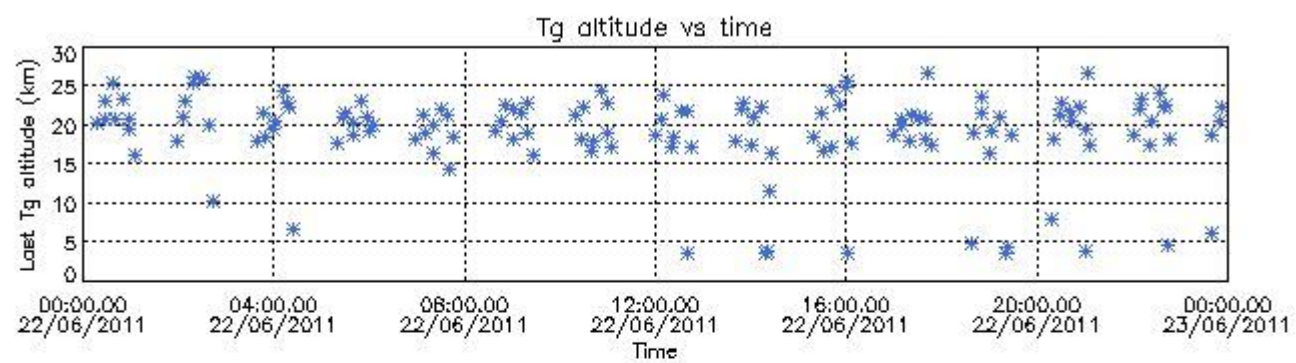


Tangent altitude at which the star is lost



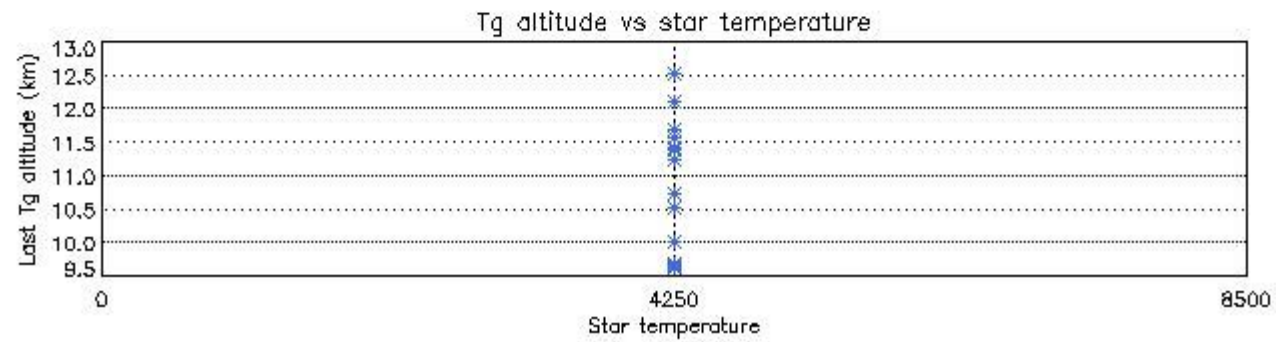
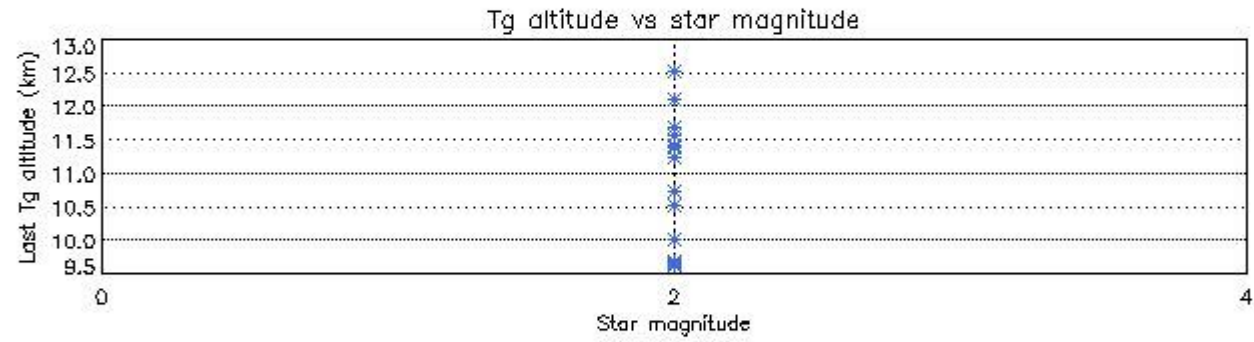
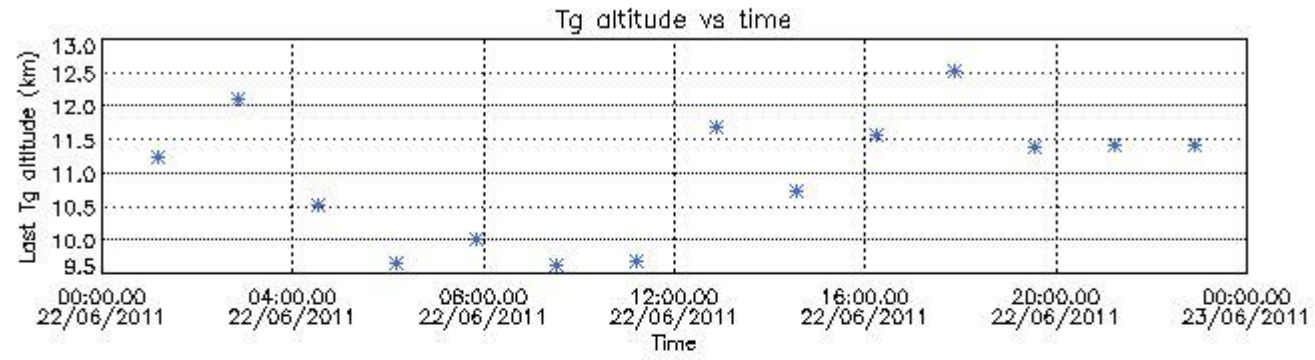
6.3 Plot for BRIGHT limb products

Tangent altitude at which the star is lost



6.3 Plot for TWILIGHT limb products

## Tangent altitude at which the star is lost



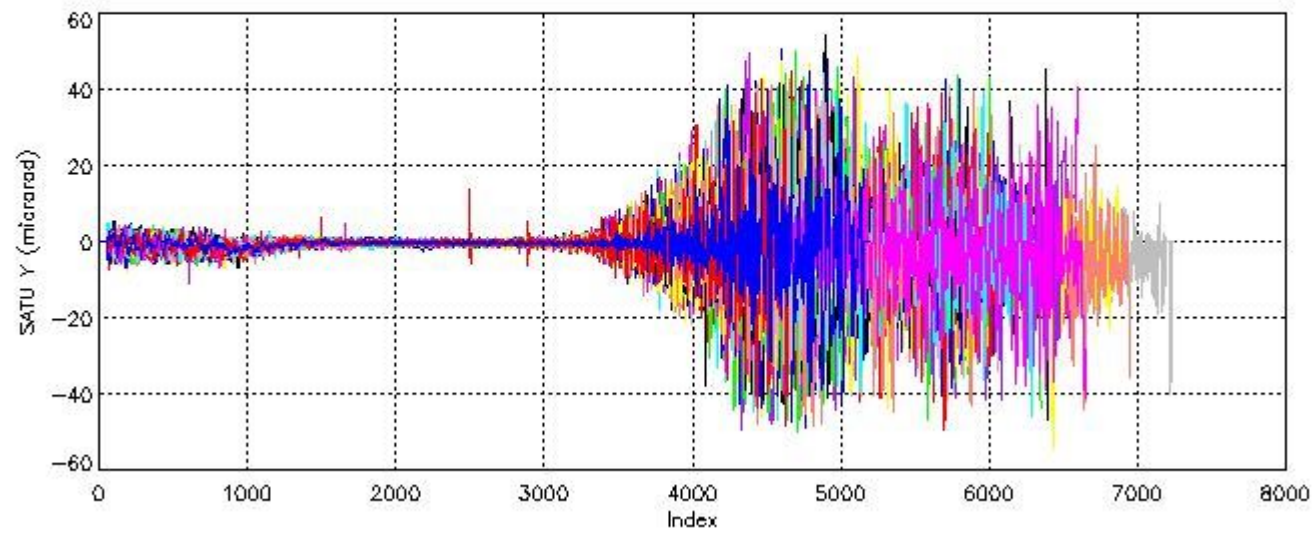
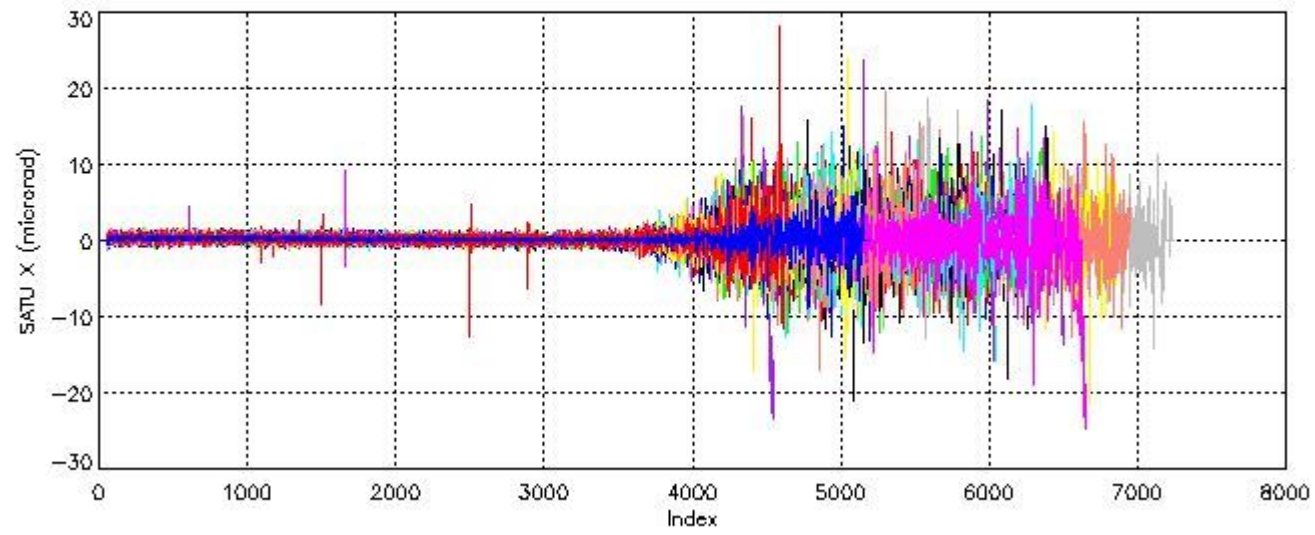
## 7. Star Acquisition and Tracking Unit (SATU)

The Star Acquisition and Tracking Unit (SATU) analyses the position of the tracked star beam collected by the GOMOS telescope and deflected by the optical beam dispatcher. The main function of the SATU is to detect a star, provide its image position to the science data electronics and to help the pointing function to keep the star image at a fixed position. In tracking mode the SATU data is recorded with a frequency of 100 Hz.

### 7.1 SATU 'X' and 'Y' axis plots (dark limb)

SATU CCD 'X' and 'Y' axis plots are provided in order to detect any abnormal behaviour of the tracking system. For every occultation (color) the plot should remain stable (with some noise) until we are deep in the atmosphere where big fluctuations are registered due to the refractive effects.





## 7.2 Statistics on SATU Noise Equivalent Angle (NEA) for DARK (D) and BRIGHT (B) products above 105 kms

The Star Acquisition and Tracking Unit (it is the CCD that tracks the star while it is occulted) Noise Equivalent Angle consists of the statistical angular variation of the SATU data above the atmosphere. Statistics (in microradians) above 105 km are computed for every occultation, giving four values per occultation: one in the 'X' direction and one in the 'Y' direction for dark and bright limbs. A mean value per day in every direction and limb is calculated and monitored in order to assess instrument performance in terms of star pointing.

### 7.2.1 SATU NEA Statistics (table)

Statistics	SATU X (D)	SATU Y (D)	SATU X (B)	SATU Y (B)
Mean:	0.31207	-1.0547	0.27720	-1.1162
St. deviation:	0.29687	1.4677	0.64541	1.3933
Maximum:	4.5000	5.2000	4.4000	5.7000
Minimum:	-3.0000	-11.000	-10.500	-9.0000

Number of data:	49700.	49700.	1.4300E+05	1.4300E+05
90Percentile:	0.70000	0.80000	1.1000	0.50000

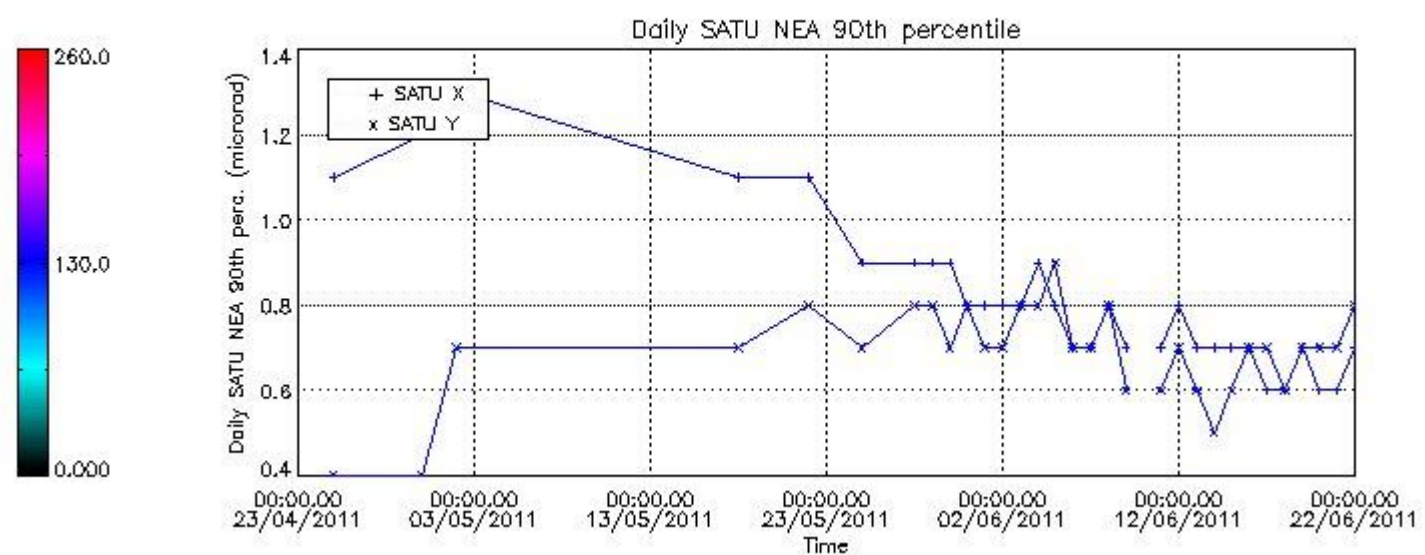
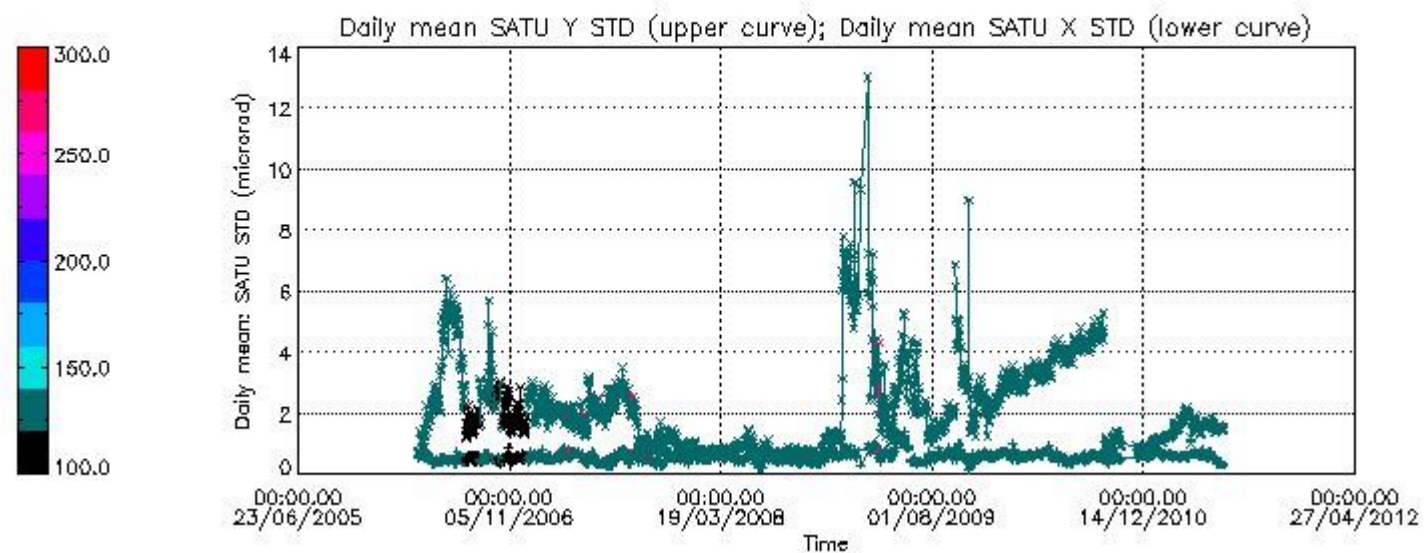
### 7.2.2 Trend of daily SATU NEA St. deviation since 1st April 2006 (dark limb) and of daily SATU NEA 90th percentile since May 2011

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

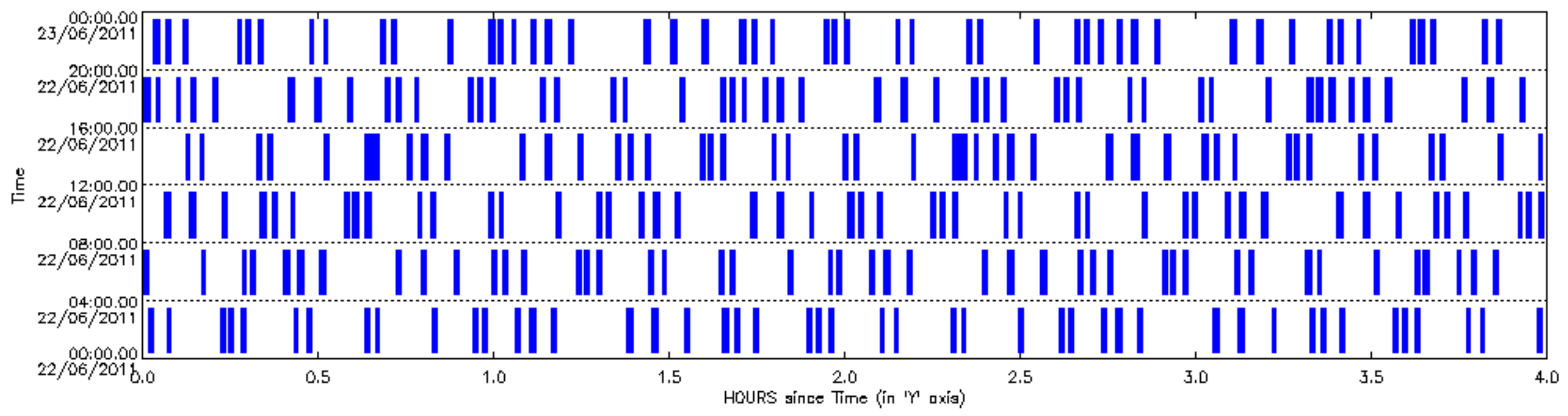


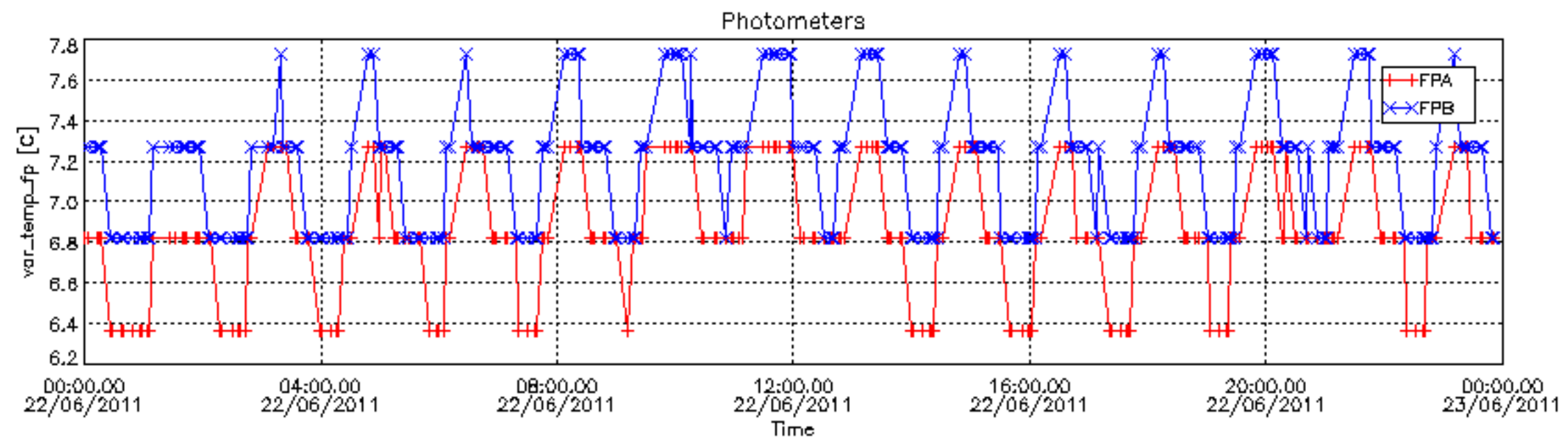
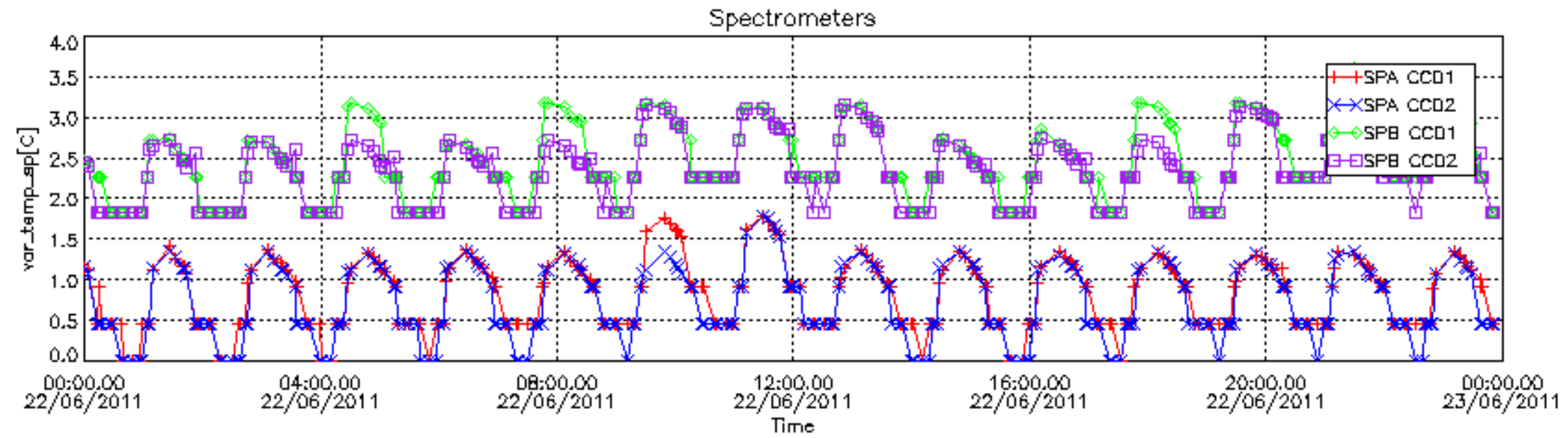
### 8. Auxiliary Data Files used for the production reported in section 2.4

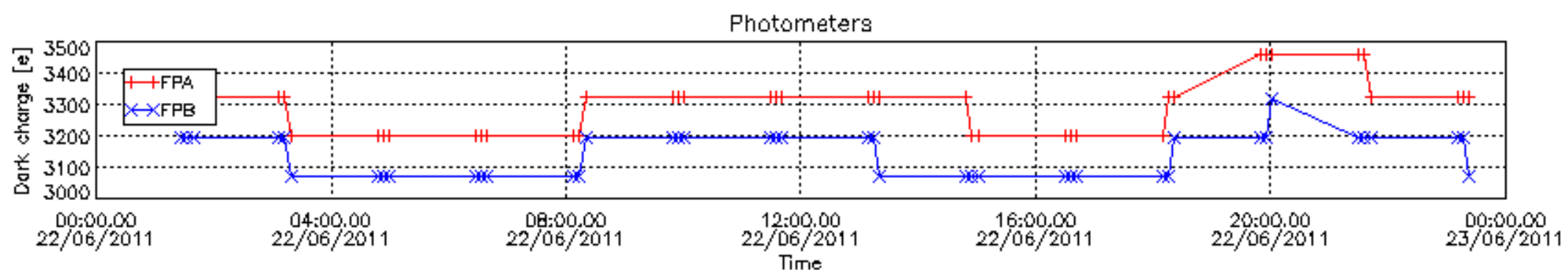
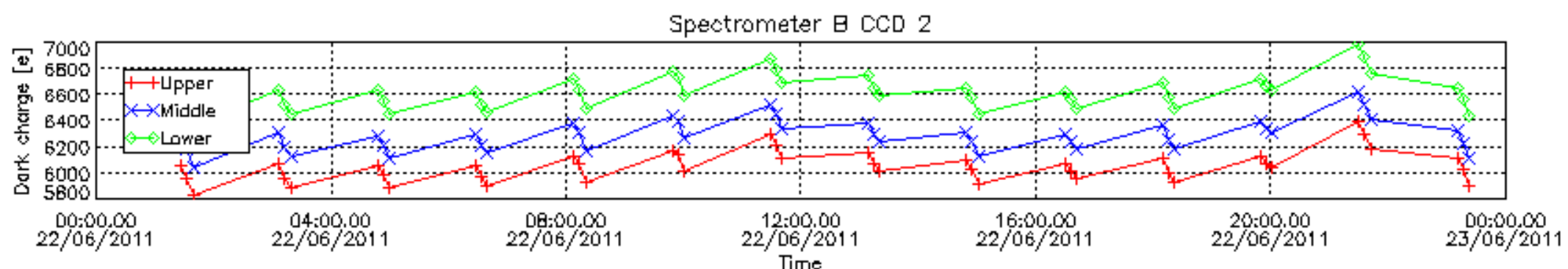
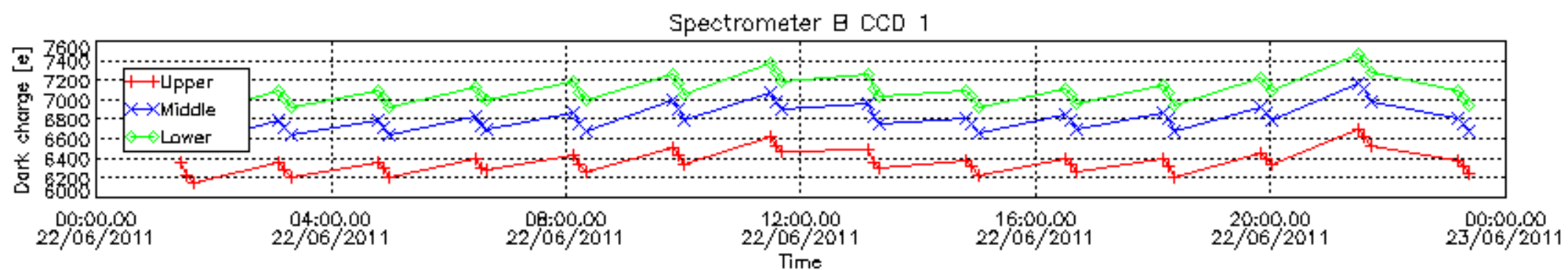
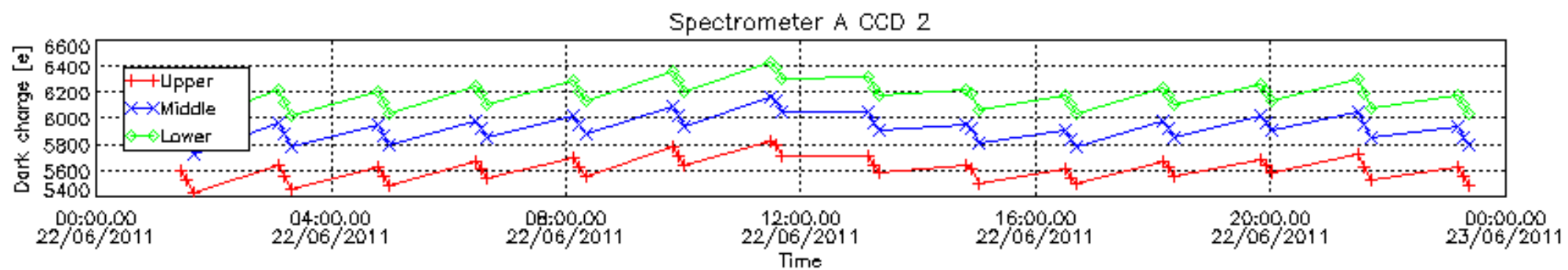
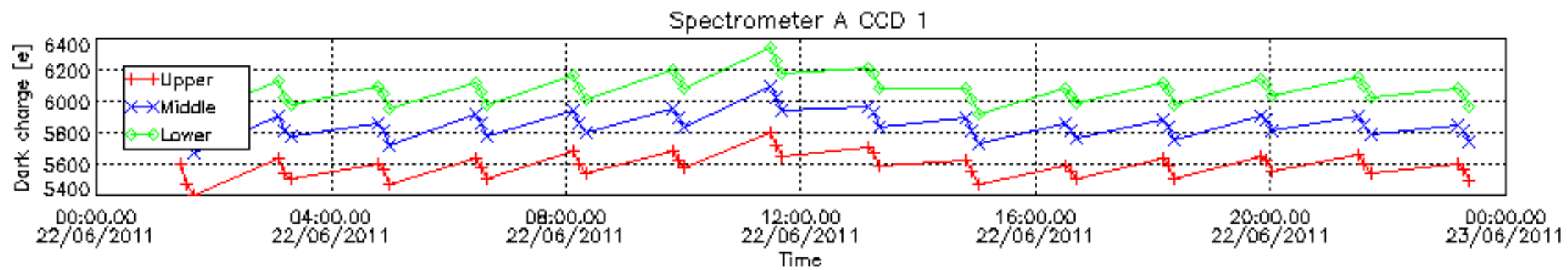
The number reported in the third column indicates since which file (see list in section 2.4) the corresponding auxiliary file has been used. The fourth column is the date of those product files.

Type	Auxiliary Filename	Used since product	Used since product date
INST_PHYS_CHARACTERISTICS	GOM_INS_AXVIEC20091111_143220_20030716_120000_20500101_000000	1	22-JUN-2011 00:00:52
CALIBRATION_DATABASE	GOM_CAL_AXVIEC20110615_093902_20110614_000000_20500101_000000	1	22-JUN-2011 00:00:52
CALIBRATION_DATABASE	GOM_CAL_AXVIEC20110622_075744_20110621_000000_20500101_000000	223	22-JUN-2011 20:16:09
LEVEL-1B_PROC_CONFIG	GOM_PR1_AXNIEC20110513_081743_20020301_000000_20500101_000000	1	22-JUN-2011 00:00:52
STAR_CATALOGUE	GOM_CAT_AXVIEC20020121_161009_20020101_000000_20200101_000000	1	22-JUN-2011 00:00:52
STELLAR_SPECTRA_DATABANK	GOM_STS_AXVIEC20091111_151504_20020101_160000_20500101_000000	1	22-JUN-2011 00:00:52
ECMWF_FILE	AUX_ECF_AXNECM20110621_061026_20110621_210000_20110622_090000	1	22-JUN-2011 00:00:52
ECMWF_FILE	AUX_ECF_AXNECM20110621_181024_20110622_030000_20110622_150000	47	22-JUN-2011 04:16:54
ECMWF_FILE	AUX_ECA_AXNECM20110622_062113_20110621_210000_20110622_090000	65	22-JUN-2011 05:57:07
ECMWF_FILE	MISSING	83	22-JUN-2011 07:37:21
ECMWF_FILE	AUX_ECA_AXNECM20110622_182539_20110622_090000_20110622_210000	204	22-JUN-2011 18:35:55
ECMWF_FILE	AUX_ECF_AXNECM20110622_062114_20110622_150000_20110623_030000	223	22-JUN-2011 20:16:09
ECMWF_FILE	AUX_ECF_AXNECM20110622_062115_20110622_210000_20110623_090000	237	22-JUN-2011 21:30:04
OPTIONAL_ECMWF_FILE	MISSING	1	22-JUN-2011 00:00:52
ORBIT_DATA_FILE	AUX_FPO_AXVPDS20110621_103023_20110620_192850_20110630_200224	1	22-JUN-2011 00:00:52
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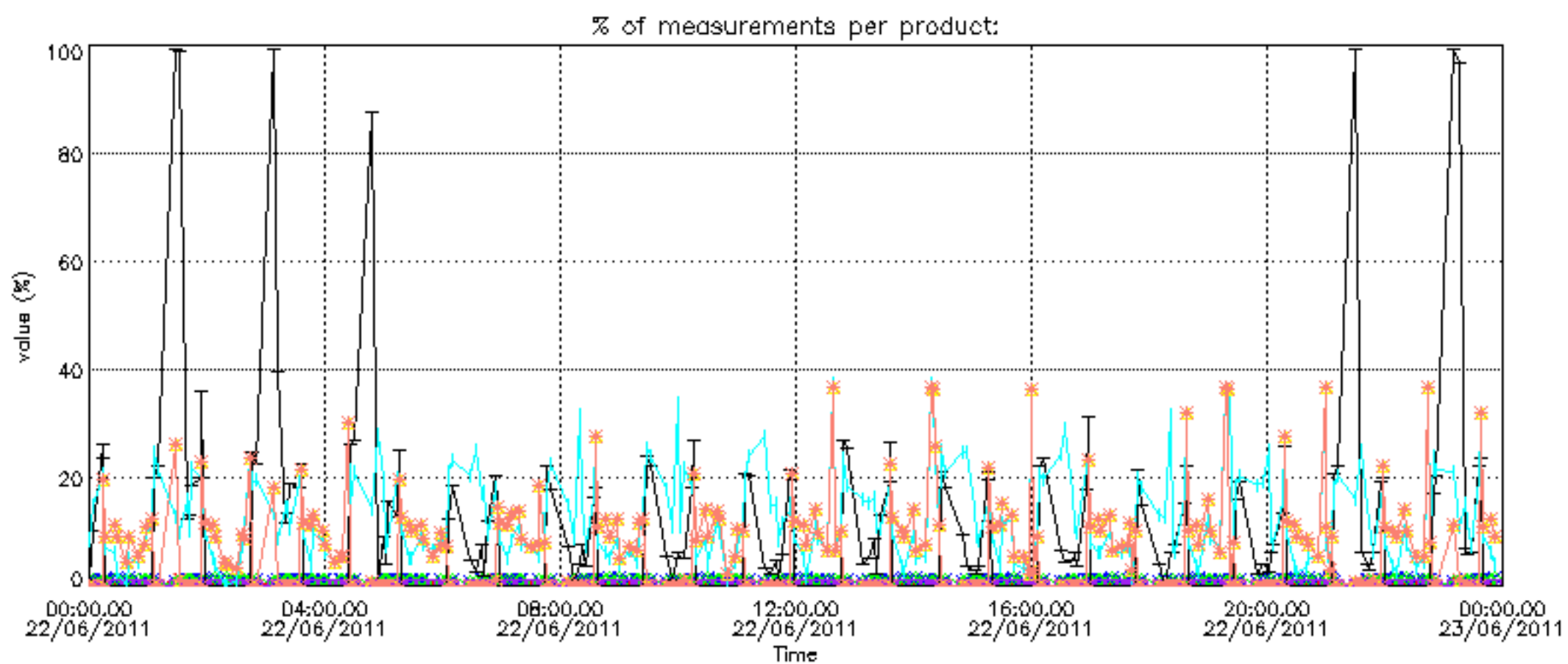




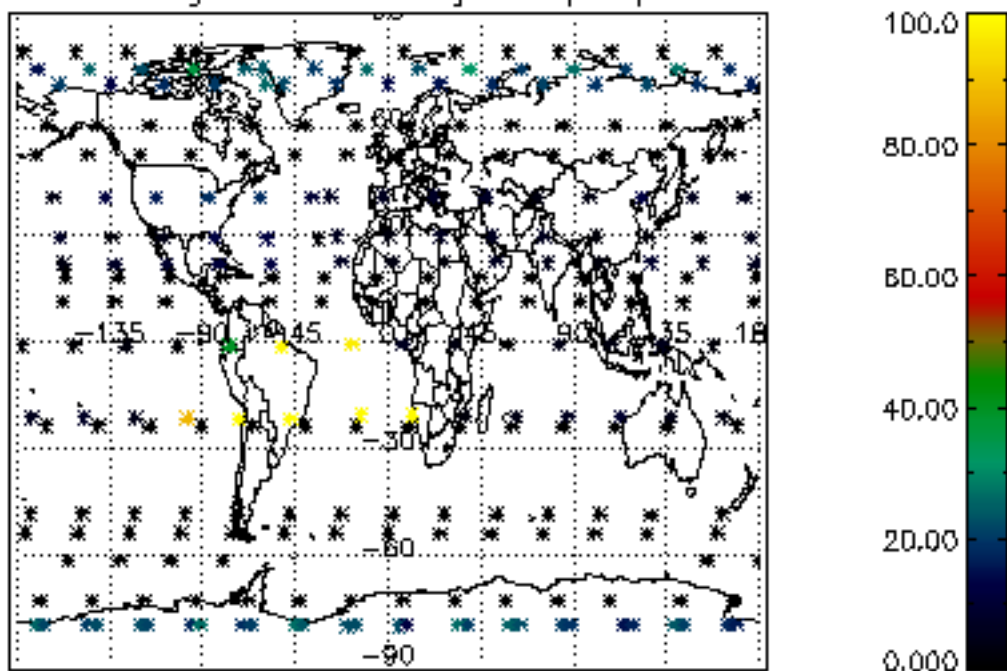




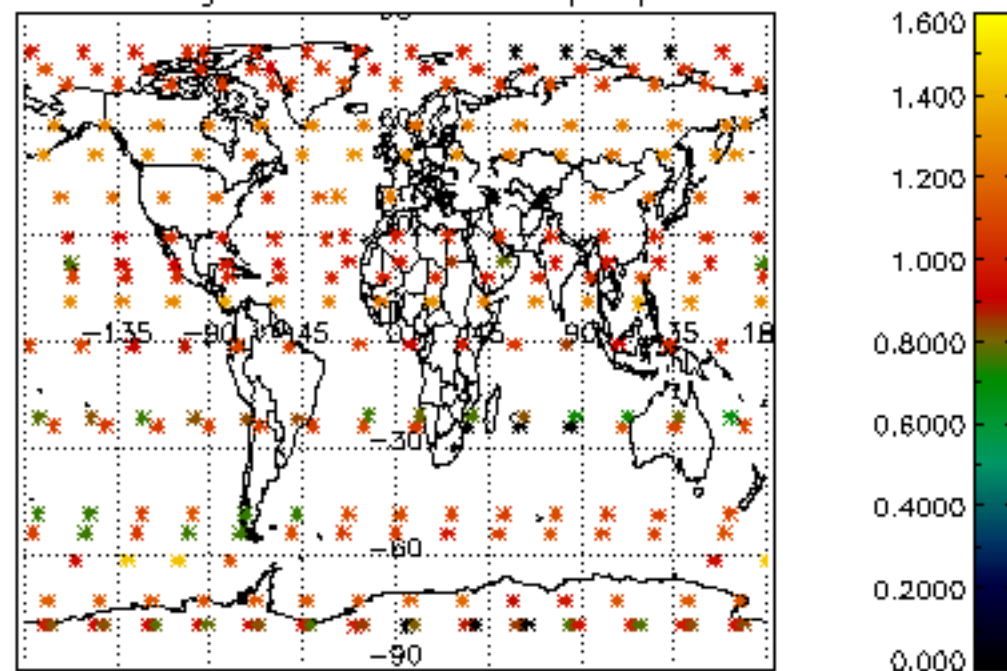




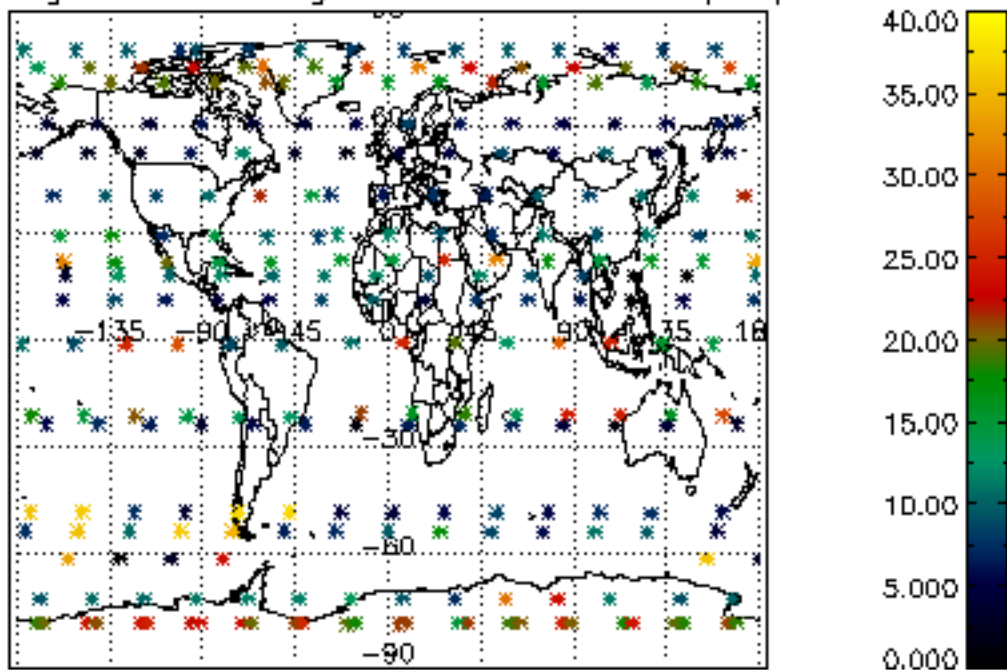
Percentage of cosmic ray hits per profile



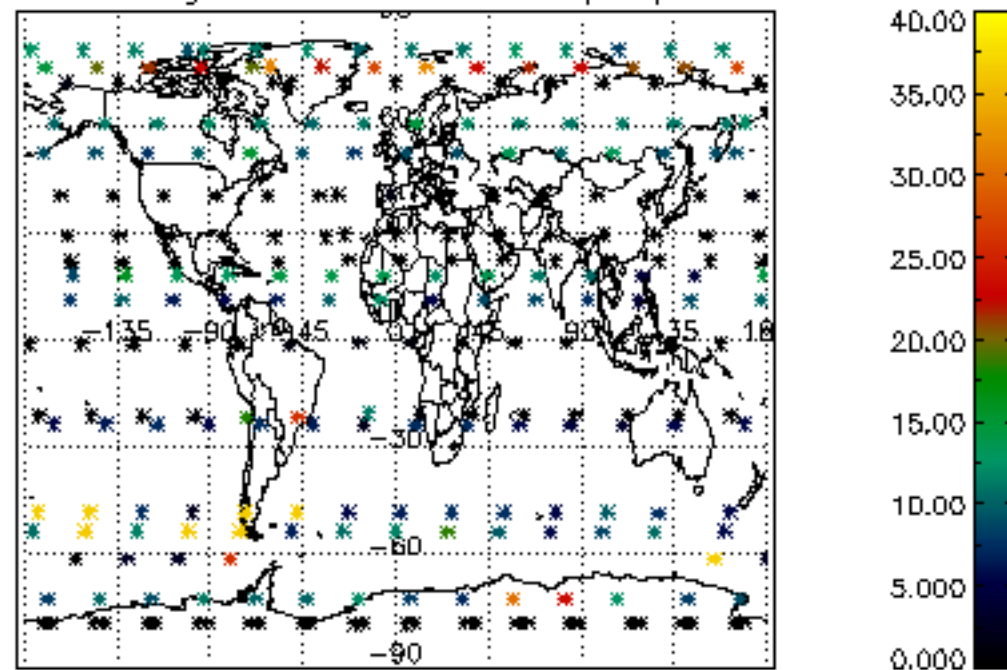
Percentage of datation errors per profile



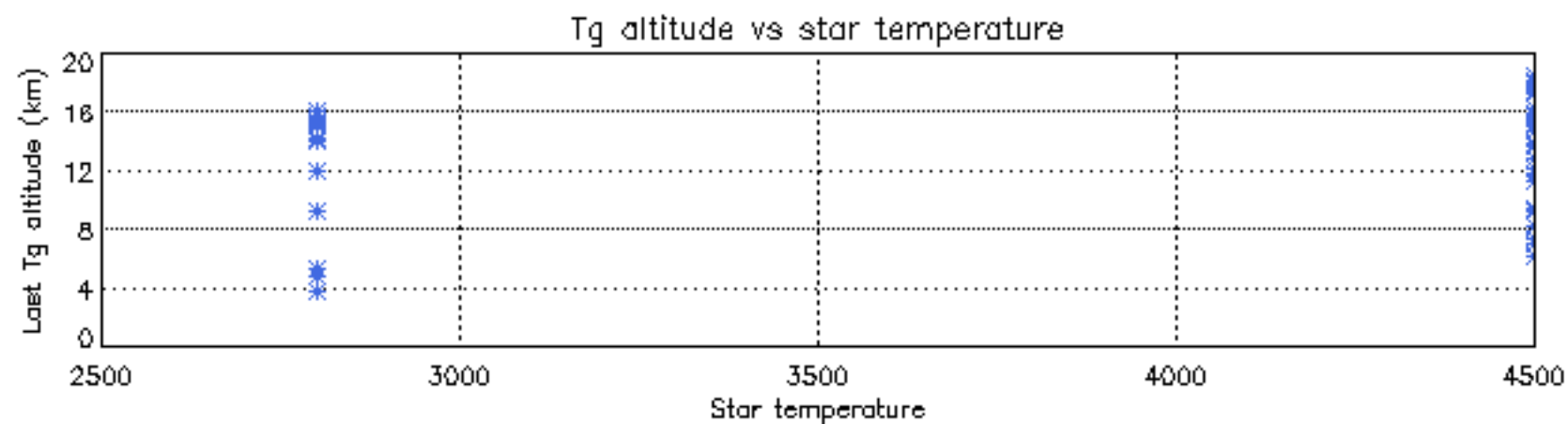
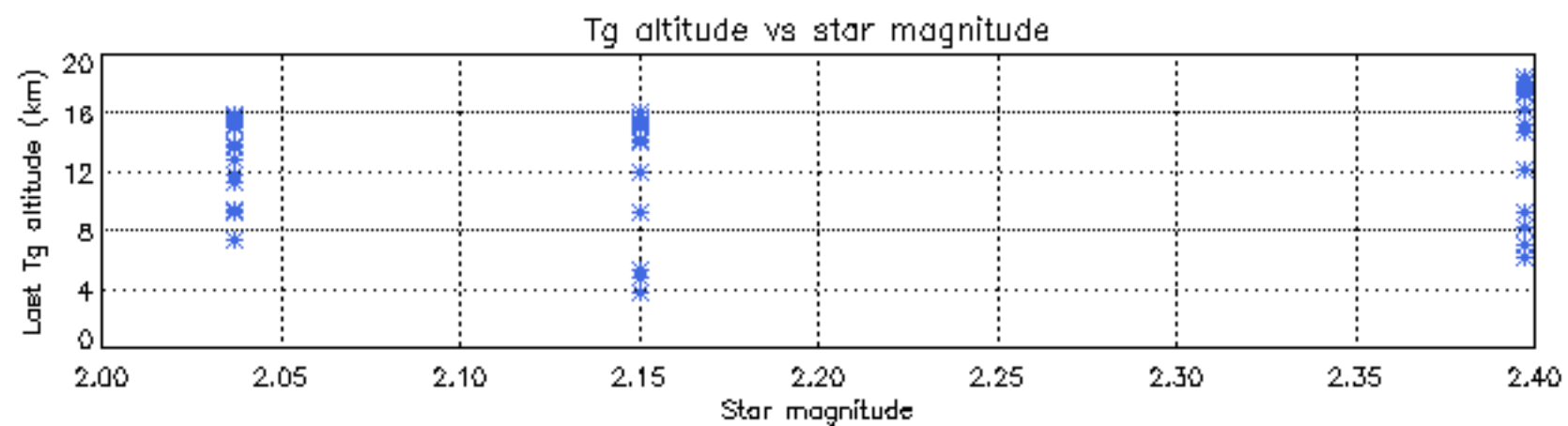
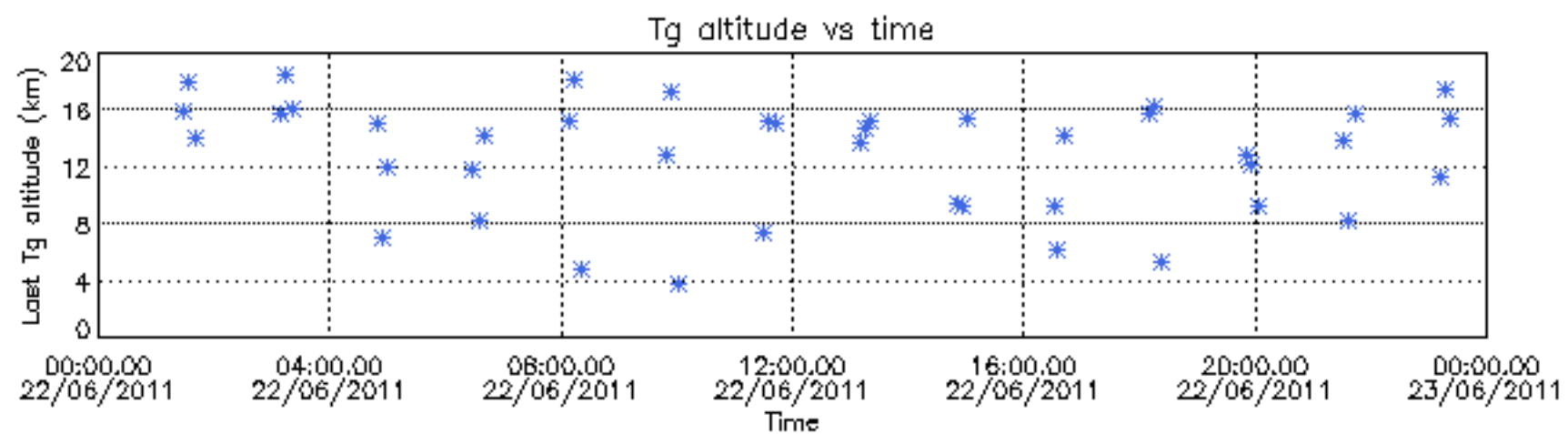
Percentage of star falling outside central band per profile



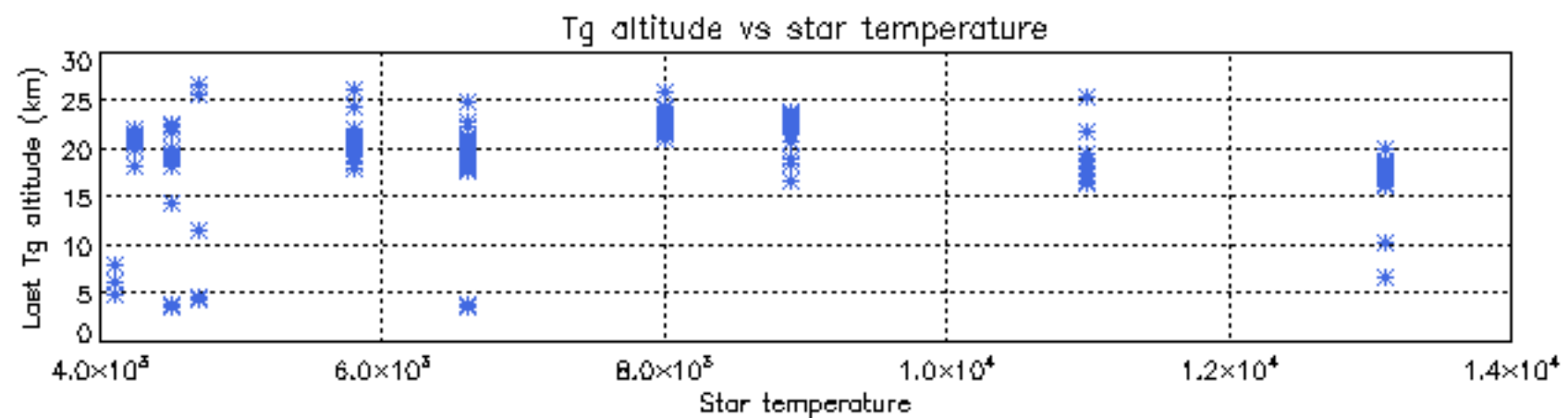
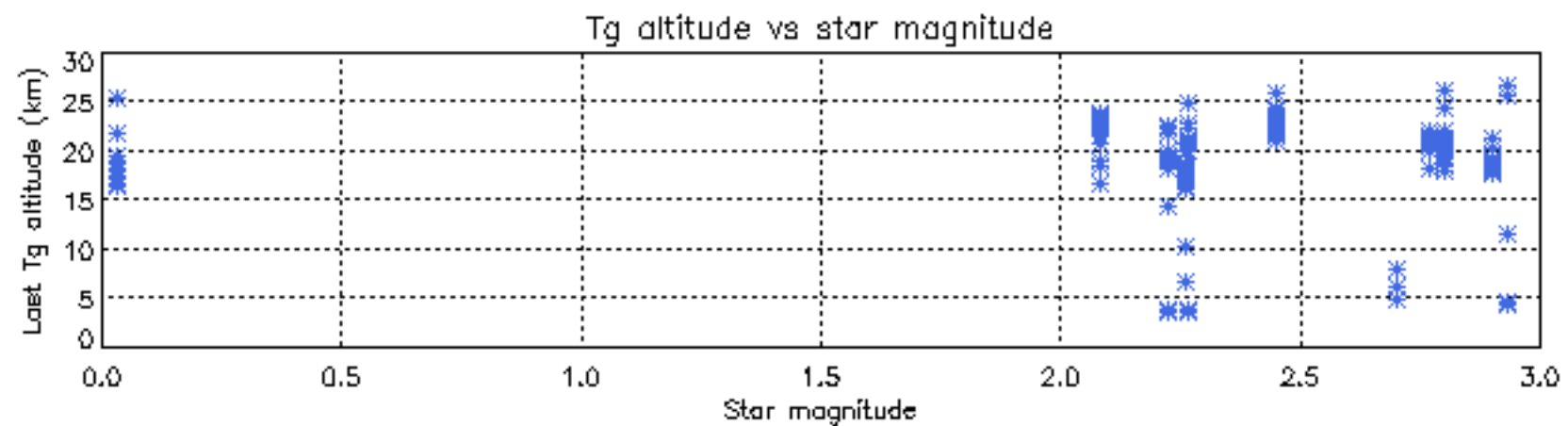
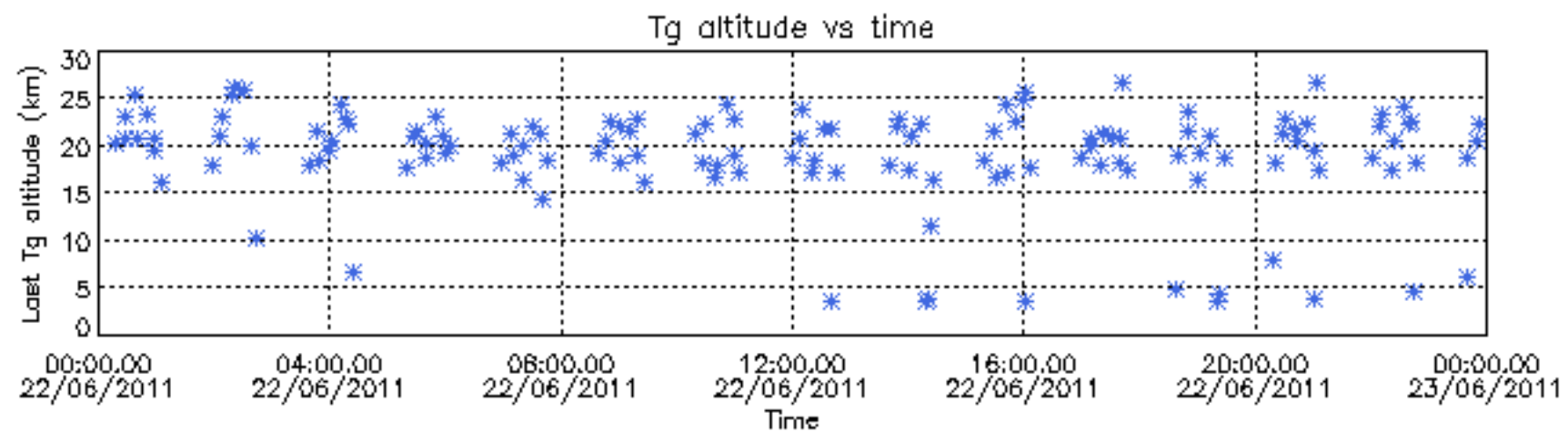
Percentage of saturation errors per profile



Tangent altitude at which the star is lost

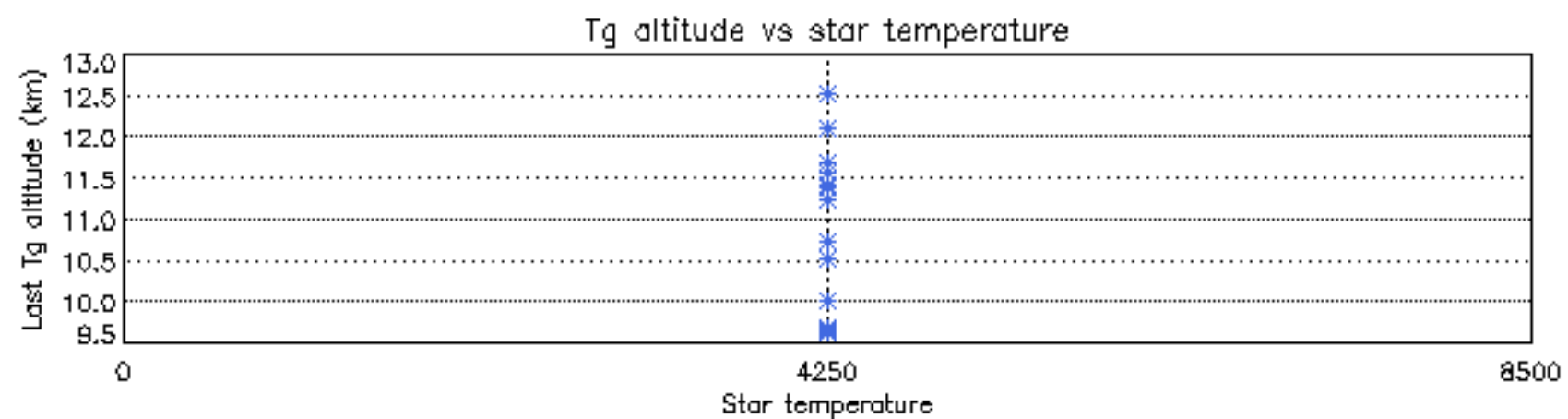
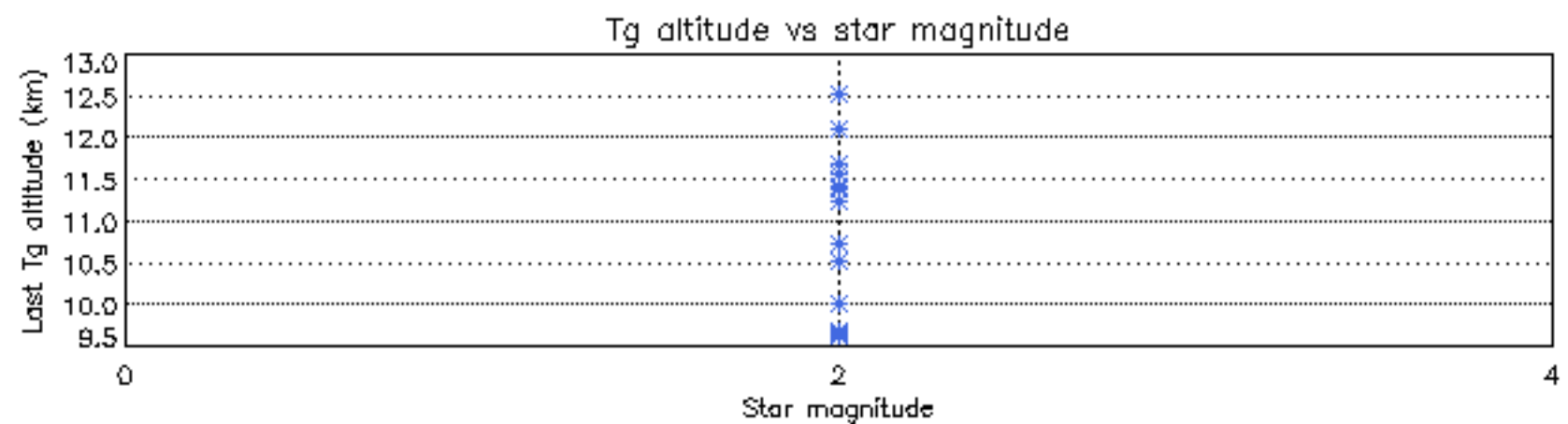
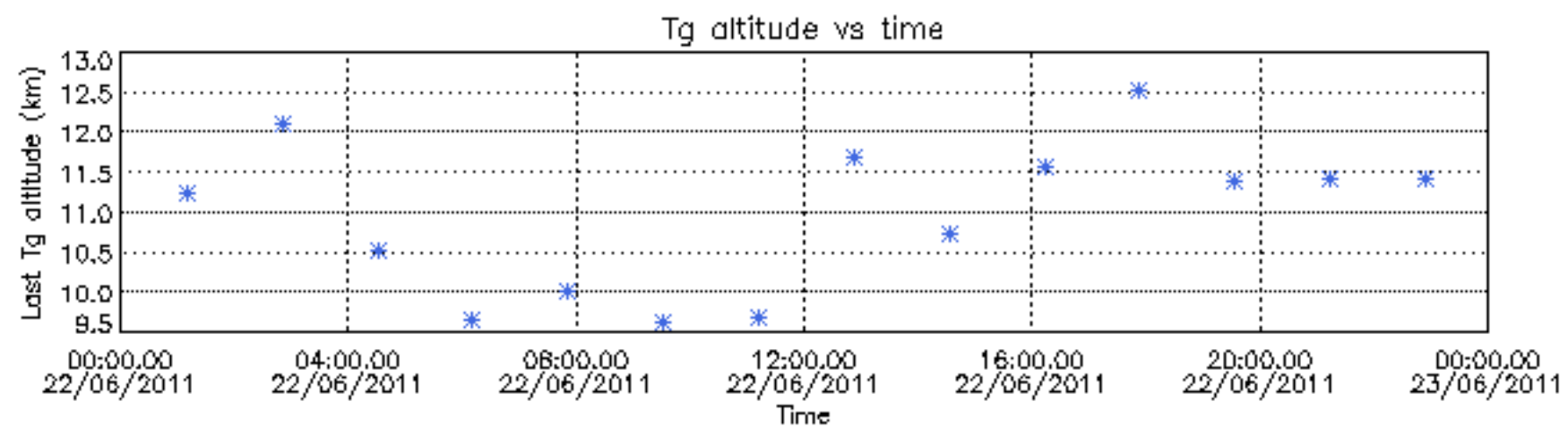


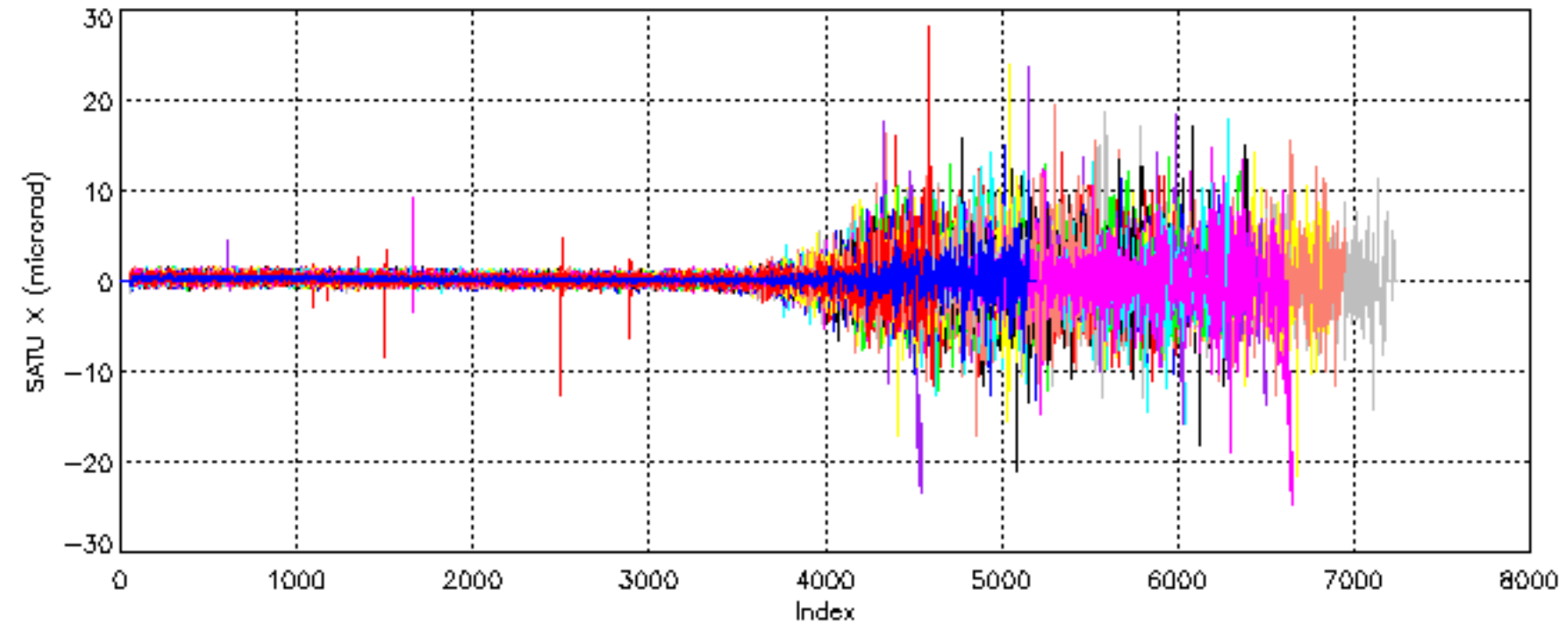
Tangent altitude at which the star is lost

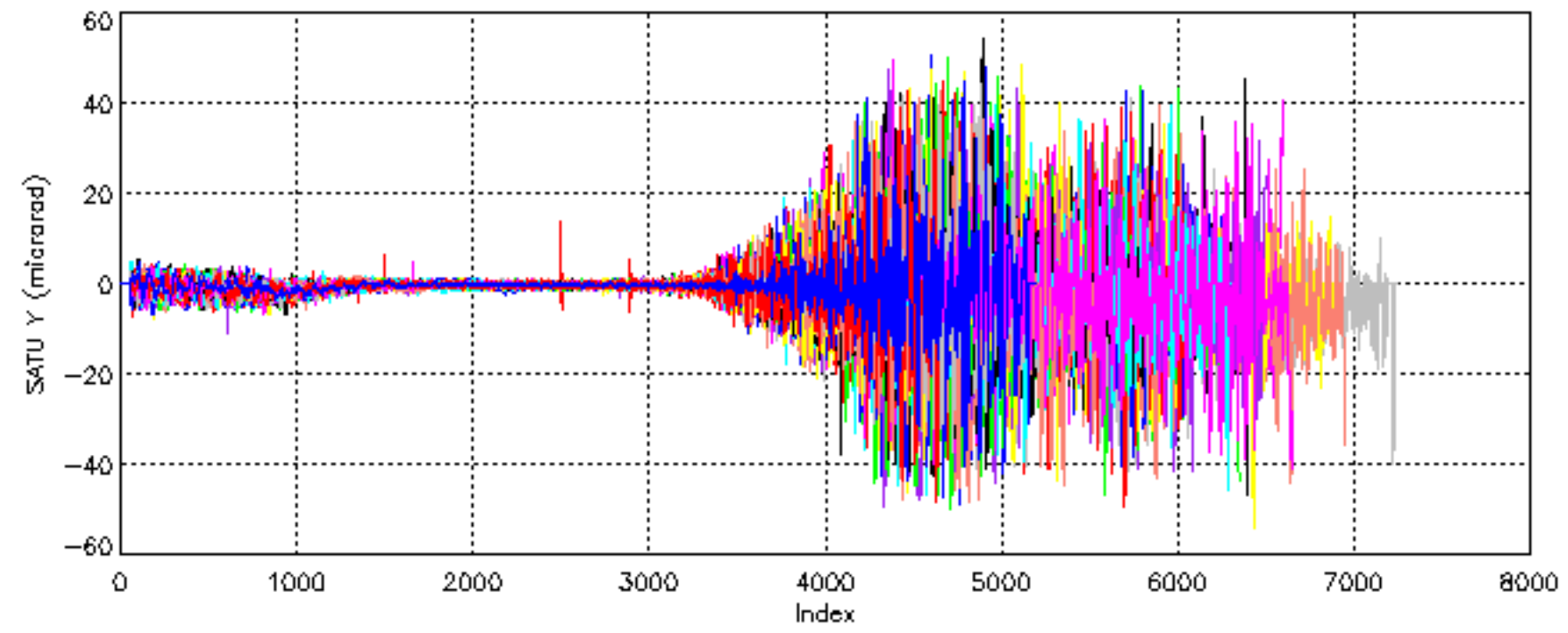


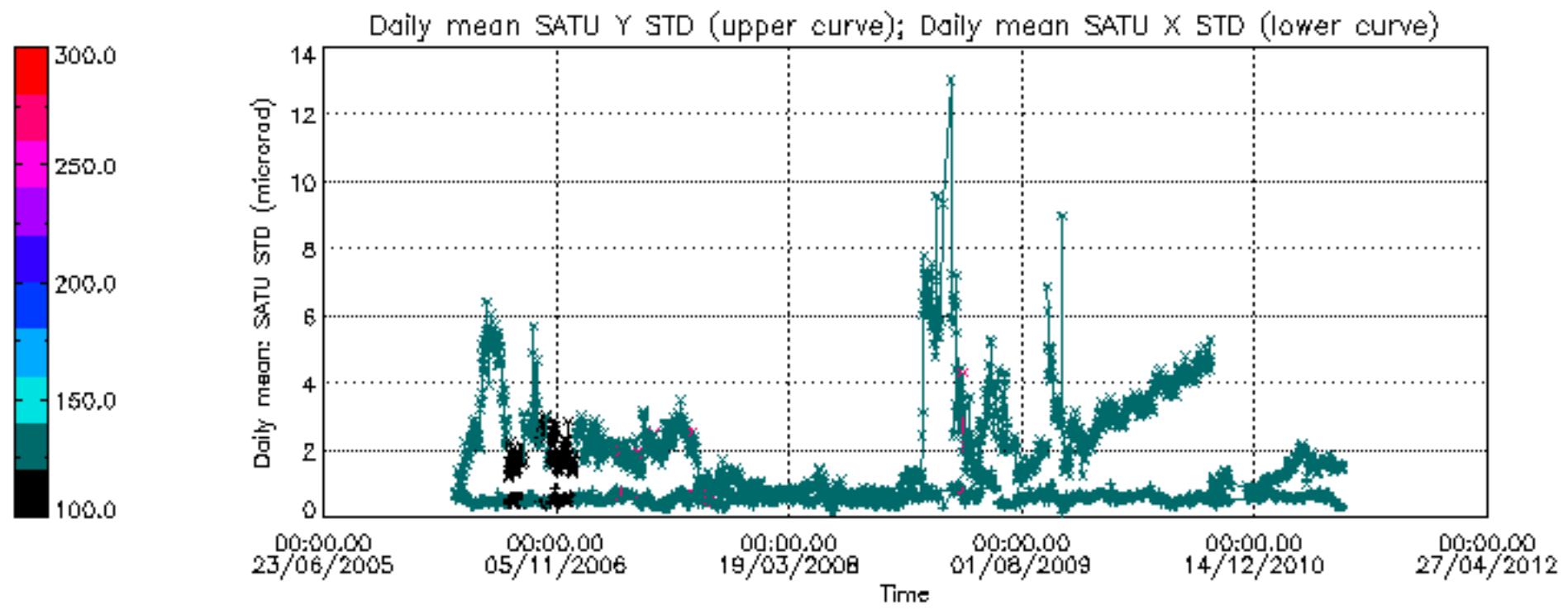


Tangent altitude at which the star is lost

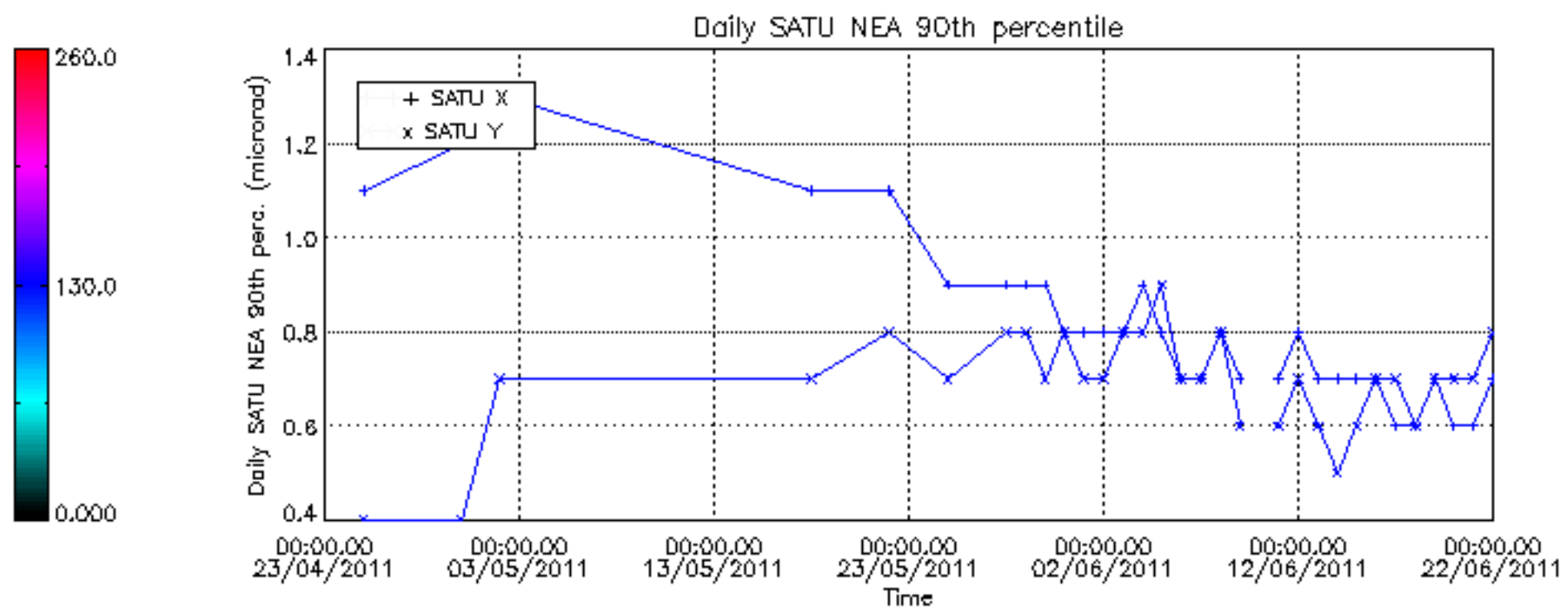












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8;	-81.3;	17-JUN-2011	04:35:20;	Dark	;	47.0;	84;	Alp	Phe	;	2.40;	4500;	occ;	94;	0;	48610
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11;	541.9;	17-JUN-2011	04:45:43;	Dark	;	41.0;	172;	Gam	Gru	;	3.00;	13100;	occ;	82;	0;	48611
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13;	1207.1;	17-JUN-2011	04:56:49;	Dark	;	47.5;	38;	20Eps	Sgr	;	1.84;	11000;	occ;	95;	0;	48611
14;	1295.1;	17-JUN-2011	04:58:17;	Dark	;	50.5;	116;	19Del	Sgr	;	2.70;	4100;	occ;	101;	0;	48611
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17;	2136.4;	17-JUN-2011	06:52:32;	Bright;	43.0;	59;	55Alp	Oph	;	2.08;	8900;	occ;	86;	0;	48612	
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13; 4249.3; 17-JUN-2011 20:49:37; Bright; 41.0; 73; 57Gam1And ; 2.26; 13100;occ; 82; 0;48620
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13; 2810.8; 24-JUN-2011 02:46:38; Bright; 39.0; 130; 23Bet Dra ; 2.80; 5800;occ; 78; 0;48710
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14; 6022.8; 24-JUN-2011 08:40:52; Dark ; 53.5; 84; Alp Phe ; 2.40; 4500;occ; 107; 0;48714
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17; 6708.4; 24-JUN-2011 08:52:17; Dark ; 47.5; 45; Alp Pav ; 1.94; 26000;occ; 95; 0;48714
18; 7254.6; 24-JUN-2011 09:01:24; Dark ; 45.0; 38; 20Eps Sgr ; 1.84; 11000;occ; 90; 0;48714
19; 7338.9; 24-JUN-2011 09:02:48; Dark ; 51.5; 116; 19Del Sgr ; 2.70; 4100;occ; 103; 0;48714
20; 7466.4; 24-JUN-2011 09:04:55; Bright; 49.0; 155; 41Pi Sgr ; 2.90; 6600;occ; 98; 0;48714
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 2; 2116.5; 24-JUN-2011 09:15:59; Bright; 40.0; 59; 55Alp Oph ; 2.08; 8900;occ; 80; 0;48714
 3; 2682.7; 24-JUN-2011 09:25:26; Bright; 47.5; 5; 3Alp Lyr ; 0.03; 11000;occ; 95; 0;48714
 4; 2810.1; 24-JUN-2011 09:27:33; Bright; 39.0; 130; 23Bet Dra ; 2.80; 5800;occ; 78; 0;48714
 5; 3381.9; 24-JUN-2011 09:37:05; Bright; 47.0; 89; 5Alp Cep ; 2.45; 8000;occ; 94; 0;48714

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8; 4044.6; 24-JUN-2011 09:48:07; Bright; 34.0; 160; 23Gam Per ; 2.93; 4700;occ; 68; 0;48714
9; 4248.1; 24-JUN-2011 09:51:31; Bright; 46.0; 73; 57Gam1And ; 2.26; 13100;occ; 92; 0;48714
10; 4393.7; 24-JUN-2011 09:53:57; Dark ; 63.0; 53; 43Bet And ; 2.05; 3300;occ; 126; 0;48714
11; 4630.4; 24-JUN-2011 09:57:53; Dark ; 52.0; 50; 13Alp Ari ; 2.01; 4250;occ; 104; 0;48714
12; 5416.1; 24-JUN-2011 10:10:59; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;48714
13; 5699.4; 24-JUN-2011 10:15:42; Dark ; 68.5; 52; 16Bet Cet ; 2.04; 4500;occ; 137; 0;48714
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17; 6708.9; 24-JUN-2011 10:32:32; Dark ; 47.0; 45; Alp Pav ; 1.94; 26000;occ; 94; 0;48715
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19; 7338.9; 24-JUN-2011 10:43:02; Dark ; 47.5; 116; 19Del Sgr ; 2.70; 4100;occ; 95; 0;48715
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2; 2116.2; 24-JUN-2011 10:56:13; Bright; 39.5; 59; 55Alp Oph ; 2.08; 8900;occ; 79; 0;48715
3; 2682.1; 24-JUN-2011 11:05:39; Bright; 51.0; 5; 3Alp Lyr ; 0.03; 11000;occ; 102; 0;48715
4; 2809.7; 24-JUN-2011 11:07:47; Bright; 39.5; 130; 23Bet Dra ; 2.80; 5800;occ; 79; 0;48715
5; 3381.0; 24-JUN-2011 11:17:18; Bright; 48.0; 89; 5Alp Cep ; 2.45; 8000;occ; 96; 0;48715
6; 3804.1; 24-JUN-2011 11:24:21; Bright; 46.5; 74; 11Bet Cas ; 2.27; 6600;occ; 93; 0;48715
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13; 5700.8; 24-JUN-2011 11:55:58; Dark ; 68.5; 52; 16Bet Cet ; 2.04; 4500;occ; 137; 0;48715
14; 6024.7; 24-JUN-2011 12:01:22; Dark ; 50.5; 84; Alp Phe ; 2.40; 4500;occ; 101; 0;48716
15; 6412.3; 24-JUN-2011 12:07:49; Dark ; 54.0; 63; Bet Gru ; 2.15; 2800;occ; 108; 0;48716
16; 6533.1; 24-JUN-2011 12:09:50; Dark ; 50.5; 31; Alp Gru ; 1.73; 15200;occ; 101; 0;48716
17; 6709.3; 24-JUN-2011 12:12:46; Dark ; 41.5; 45; Alp Pav ; 1.94; 26000;occ; 83; 0;48716
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19; 7339.1; 24-JUN-2011 12:23:16; Dark ; 46.5; 116; 19Del Sgr ; 2.70; 4100;occ; 93; 0;48716
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5; 3380.5; 24-JUN-2011 12:57:31; Bright; 47.0; 89; 5Alp Cep ; 2.45; 8000;occ; 94; 0;48716
6; 3803.7; 24-JUN-2011 13:04:35; Bright; 46.0; 74; 11Bet Cas ; 2.27; 6600;occ; 92; 0;48716
7; 3898.5; 24-JUN-2011 13:06:09; Bright; 46.5; 68; 18Alp Cas ; 2.22; 4500;occ; 93; 0;48716
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9; 4248.3; 24-JUN-2011 13:11:59; Bright; 54.0; 73; 57Gam1And ; 2.26; 13100;occ; 108; 0;48716
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11; 4631.0; 24-JUN-2011 13:18:22; Dark ; 52.0; 50; 13Alp Ari ; 2.01; 4250;occ; 104; 0;48716
12; 5417.5; 24-JUN-2011 13:31:28; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;48716
13; 5702.3; 24-JUN-2011 13:36:13; Dark ; 72.5; 52; 16Bet Cet ; 2.04; 4500;occ; 145; 0;48716
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17; 6710.0; 24-JUN-2011 13:53:01; Dark ; 42.0; 45; Alp Pav ; 1.94; 26000;occ; 84; 0;48717
18; 7255.4; 24-JUN-2011 14:02:06; Dark ; 44.5; 38; 20Eps Sgr ; 1.84; 11000;occ; 89; 0;48717
19; 7339.4; 24-JUN-2011 14:03:30; Dark ; 58.0; 116; 19Del Sgr ; 2.70; 4100;occ; 116; 0;48717
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5; 3379.8; 24-JUN-2011 14:37:45; Bright; 45.5; 89; 5Alp Cep ; 2.45; 8000;occ; 91; 0;48717
6; 3803.4; 24-JUN-2011 14:44:48; Bright; 46.0; 74; 11Bet Cas ; 2.27; 6600;occ; 92; 0;48717
7; 3898.1; 24-JUN-2011 14:46:23; Bright; 44.5; 68; 18Alp Cas ; 2.22; 4500;occ; 89; 0;48717
8; 4044.8; 24-JUN-2011 14:48:49; Bright; 48.0; 160; 23Gam Per ; 2.93; 4700;occ; 96; 0;48717
9; 4248.1; 24-JUN-2011 14:52:13; Bright; 44.5; 73; 57Gam1And ; 2.26; 13100;occ; 89; 0;48717
10; 4393.7; 24-JUN-2011 14:54:38; Dark ; 57.0; 53; 43Bet And ; 2.05; 3300;occ; 114; 0;48717

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 13; 5703.8; 24-JUN-2011 15:16:28; Dark ; 77.0; 52; 16Bet Cet ; 2.04; 4500;occ; 154; 0;48717  
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 17; 6710.8; 24-JUN-2011 15:33:15; Dark ; 41.5; 45; Alp Pav ; 1.94; 26000;occ; 83; 0;48718  
 18; 7255.7; 24-JUN-2011 15:42:20; Dark ; 46.0; 38; 20Eps Sgr ; 1.84; 11000;occ; 92; 0;48718  
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 8; 3897.7; 24-JUN-2011 16:26:36; Bright; 48.0; 68; 18Alp Cas ; 2.22; 4500;occ; 96; 0;48718  
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 8; 3378.3; 24-JUN-2011 17:58:11; Bright; 46.5; 89; 5Alp Cep ; 2.45; 8000;occ; 93; 0;48719  
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 13; 4393.5; 24-JUN-2011 19:55:20; Dark ; 46.0; 53; 43Bet And ; 2.05; 3300;occ; 92; 0;48720  
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 4; 1971.6; 26-JUN-2011 19:41:44; Bright; 38.5; 126; 60Bet Oph ; 2.77; 4250;occ; 77; 0;48749
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 7; 2802.1; 26-JUN-2011 19:55:35; Bright; 38.5; 130; 23Bet Dra ; 2.80; 5800;occ; 77; 0;48749
 8; 3788.3; 26-JUN-2011 20:12:01; Bright; 44.5; 74; 11Bet Cas ; 2.27; 6600;occ; 89; 0;48749
 9; 3885.8; 26-JUN-2011 20:13:38; Bright; 47.5; 68; 18Alp Cas ; 2.22; 4500;occ; 95; 0;48749
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12; 4397.9; 26-JUN-2011 20:22:10; Dark ; 47.0; 173; 4Bet Tri ; 3.00; 8900;occ; 94; 0;48749
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 9; 1971.2; 27-JUN-2011 00:42:26; Bright; 38.5; 126; 60Bet Oph ; 2.77; 4250;occ; 77; 0;48752
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11; 2659.9; 27-JUN-2011 00:53:54; Bright; 42.0; 5; 3Alp Lyr ; 0.03; 11000;occ; 84; 0;48752
12; 2801.3; 27-JUN-2011 00:56:16; Bright; 37.5; 130; 23Bet Dra ; 2.80; 5800;occ; 75; 0;48752
13; 3355.6; 27-JUN-2011 01:05:30; Bright; 47.0; 89; 5Alp Cep ; 2.45; 8000;occ; 94; 0;48752
14; 3786.9; 27-JUN-2011 01:12:41; Bright; 46.0; 74; 11Bet Cas ; 2.27; 6600;occ; 92; 0;48752
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16; 4043.6; 27-JUN-2011 01:16:58; Bright; 35.5; 160; 23Gam Per ; 2.93; 4700;occ; 71; 0;48752
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4;-1767.4; 27-JUN-2011 03:00:35; Bright; 48.0; 73; 57Gam1And ; 2.26; 13100;occ; 96; 0;48753
5;-1615.5; 27-JUN-2011 03:03:07; Dark ; 48.0; 173; 4Bet Tri ; 3.00; 8900;occ; 96; 0;48753
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10; 435.9; 27-JUN-2011 03:37:18; Dark ; 51.0; 63; Bet Gru ; 2.15; 2800;occ; 102; 0;48754
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7; 2799.2; 27-JUN-2011 20:59:01; Bright; 39.0; 130; 23Bet Dra ; 2.80; 5800;occ; 78; 0;48764
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6; 1255.4; 27-JUN-2011 22:13:32; Dark ; 41.0; 38; 20Eps Sgr ; 1.84; 11000;occ; 82; 0;48765
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 17; 6746.7; 29-JUN-2011 12:30:11; Dark ; 45.0; 45; Alp Pav ; 1.94; 26000;occ; 90; 0;48788  
 18; 7316.2; 29-JUN-2011 12:39:40; Dark ; 45.0; 103; 38Zet Sgr ; 2.60; 9700;occ; 90; 0;48788  
 19; 7482.1; 29-JUN-2011 12:42:26; Bright; 45.0; 155; 41Pi Sgr ; 2.90; 6600;occ; 90; 0;48788

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 6; 2914.0; 29-JUN-2011 13:06:32; Bright; 33.0; 144; 18Del Cyg ; 2.86; 11000;occ; 66; 0;48788  
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 8; 3869.9; 29-JUN-2011 13:22:28; Bright; 49.5; 68; 18Alp Cas ; 2.22; 4500;occ; 99; 0;48788  
 9; 4042.5; 29-JUN-2011 13:25:20; Bright; 35.5; 160; 23Gam Per ; 2.93; 4700;occ; 71; 0;48788  
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 11; 4401.0; 29-JUN-2011 13:31:19; Dark ; 50.5; 173; 4Bet Tri ; 3.00; 8900;occ; 101; 0;48788  
 12; 4652.2; 29-JUN-2011 13:35:30; Dark ; 55.0; 50; 13Alp Ari ; 2.01; 4250;occ; 110; 0;48788  
 13; 4949.7; 29-JUN-2011 13:40:27; Dark ; 47.5; 94; 92Alp Cet ; 2.53; 3100;occ; 95; 0;48788  
 14; 5474.1; 29-JUN-2011 13:49:12; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;48788  
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 16; 6484.1; 29-JUN-2011 14:06:02; Dark ; 50.5; 63; Bet Gru ; 2.15; 2800;occ; 101; 0;48789  
 17; 6600.8; 29-JUN-2011 14:07:59; Dark ; 50.0; 31; Alp Gru ; 1.73; 15200;occ; 100; 0;48789  
 18; 6747.3; 29-JUN-2011 14:10:25; Dark ; 41.0; 45; Alp Pav ; 1.94; 26000;occ; 82; 0;48789  
 19; 7316.3; 29-JUN-2011 14:19:54; Dark ; 46.0; 103; 38Zet Sgr ; 2.60; 9700;occ; 92; 0;48789  
 20; 7482.2; 29-JUN-2011 14:22:40; Bright; 44.5; 155; 41Pi Sgr ; 2.90; 6600;occ; 89; 0;48789

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 3; 2222.7; 29-JUN-2011 14:35:14; Bright; 50.5; 168; 17Zet Aql ; 2.99; 11000;occ; 101; 0;48789  
 4; 2640.8; 29-JUN-2011 14:42:13; Bright; 44.5; 5; 3Alp Lyr ; 0.03; 11000;occ; 89; 0;48789  
 5; 2795.0; 29-JUN-2011 14:44:47; Bright; 35.0; 130; 23Bet Dra ; 2.80; 5800;occ; 70; 0;48789  
 6; 2913.3; 29-JUN-2011 14:46:45; Bright; 33.0; 144; 18Del Cyg ; 2.86; 11000;occ; 66; 0;48789

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7; 3331.0; 29-JUN-2011 14:53:43; Bright; 47.0; 89; 5Alp Cep ; 2.45; 8000;occ; 94; 0;48789
8; 3768.9; 29-JUN-2011 15:01:01; Bright; 48.0; 74; 11Bet Cas ; 2.27; 6600;occ; 96; 0;48789
9; 3869.5; 29-JUN-2011 15:02:41; Bright; 47.0; 68; 18Alp Cas ; 2.22; 4500;occ; 94; 0;48789
10; 4042.6; 29-JUN-2011 15:05:34; Bright; 36.0; 160; 23Gam Per ; 2.93; 4700;occ; 72; 0;48789
11; 4245.0; 29-JUN-2011 15:08:57; Bright; 46.0; 73; 57Gam1And ; 2.26; 13100;occ; 92; 0;48789
12; 4401.2; 29-JUN-2011 15:11:33; Dark ; 47.5; 173; 4Bet Tri ; 3.00; 8900;occ; 95; 0;48789
13; 4652.6; 29-JUN-2011 15:15:44; Dark ; 52.0; 50; 13Alp Ari ; 2.01; 4250;occ; 104; 0;48789
14; 4950.1; 29-JUN-2011 15:20:42; Dark ; 50.0; 94; 92Alp Cet ; 2.53; 3100;occ; 100; 0;48789
15; 5475.0; 29-JUN-2011 15:29:27; Dark ; 59.0; 0; ; 0.00; 0;occ; 118; 0;48789
16; 6097.0; 29-JUN-2011 15:39:49; Dark ; 48.5; 84; Alp Phe ; 2.40; 4500;occ; 97; 0;48790
17; 6485.0; 29-JUN-2011 15:46:17; Dark ; 51.0; 63; Bet Gru ; 2.15; 2800;occ; 102; 0;48790
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19; 6747.8; 29-JUN-2011 15:50:40; Dark ; 41.0; 45; Alp Pav ; 1.94; 26000;occ; 82; 0;48790
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4; 2109.6; 29-JUN-2011 16:13:35; Bright; 37.0; 59; 55Alp Oph ; 2.08; 8900;occ; 74; 0;48790
5; 2222.2; 29-JUN-2011 16:15:28; Bright; 48.0; 168; 17Zet Aql ; 2.99; 11000;occ; 96; 0;48790
6; 2640.3; 29-JUN-2011 16:22:26; Bright; 47.5; 5; 3Alp Lyr ; 0.03; 11000;occ; 95; 0;48790
7; 2794.8; 29-JUN-2011 16:25:01; Bright; 39.5; 130; 23Bet Dra ; 2.80; 5800;occ; 79; 0;48790
8; 2912.4; 29-JUN-2011 16:26:58; Bright; 38.0; 144; 18Del Cyg ; 2.86; 11000;occ; 76; 0;48790
9; 3330.3; 29-JUN-2011 16:33:56; Bright; 46.5; 89; 5Alp Cep ; 2.45; 8000;occ; 93; 0;48790
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13; 4244.8; 29-JUN-2011 16:49:11; Bright; 47.5; 73; 57Gam1And ; 2.26; 13100;occ; 95; 0;48790
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16; 4950.6; 29-JUN-2011 17:00:56; Dark ; 49.0; 94; 92Alp Cet ; 2.53; 3100;occ; 98; 0;48790
17; 5476.0; 29-JUN-2011 17:09:42; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;48790
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19; 6486.1; 29-JUN-2011 17:26:32; Dark ; 50.0; 63; Bet Gru ; 2.15; 2800;occ; 100; 0;48791
20; 6602.7; 29-JUN-2011 17:28:28; Dark ; 48.0; 31; Alp Gru ; 1.73; 15200;occ; 96; 0;48791
21; 6748.4; 29-JUN-2011 17:30:54; Dark ; 40.5; 45; Alp Pav ; 1.94; 26000;occ; 81; 0;48791
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2; 1468.6; 29-JUN-2011 17:43:08; Bright; 45.0; 155; 41Pi Sgr ; 2.90; 6600;occ; 90; 0;48791
3; 1969.9; 29-JUN-2011 17:51:30; Bright; 38.5; 126; 60Bet Oph ; 2.77; 4250;occ; 77; 0;48791
4; 2109.5; 29-JUN-2011 17:53:49; Bright; 38.0; 59; 55Alp Oph ; 2.08; 8900;occ; 76; 0;48791
5; 2221.7; 29-JUN-2011 17:55:42; Bright; 67.0; 168; 17Zet Aql ; 2.99; 11000;occ; 134; 0;48791
6; 2639.8; 29-JUN-2011 18:02:40; Bright; 46.5; 5; 3Alp Lyr ; 0.03; 11000;occ; 93; 0;48791
7; 2794.5; 29-JUN-2011 18:05:14; Bright; 37.5; 130; 23Bet Dra ; 2.80; 5800;occ; 75; 0;48791
8; 2911.3; 29-JUN-2011 18:07:11; Bright; 38.0; 144; 18Del Cyg ; 2.86; 11000;occ; 76; 0;48791
9; 3329.7; 29-JUN-2011 18:14:09; Bright; 46.0; 89; 5Alp Cep ; 2.45; 8000;occ; 92; 0;48791
10; 3767.6; 29-JUN-2011 18:21:27; Bright; 49.5; 74; 11Bet Cas ; 2.27; 6600;occ; 99; 0;48791
11; 3868.5; 29-JUN-2011 18:23:08; Bright; 50.0; 68; 18Alp Cas ; 2.22; 4500;occ; 100; 0;48791
12; 4042.3; 29-JUN-2011 18:26:02; Bright; 51.0; 160; 23Gam Per ; 2.93; 4700;occ; 102; 0;48791
13; 4244.8; 29-JUN-2011 18:29:25; Bright; 46.5; 73; 57Gam1And ; 2.26; 13100;occ; 93; 0;48791
14; 4401.3; 29-JUN-2011 18:32:01; Dark ; 50.0; 173; 4Bet Tri ; 3.00; 8900;occ; 100; 0;48791
15; 4653.1; 29-JUN-2011 18:36:13; Dark ; 58.0; 50; 13Alp Ari ; 2.01; 4250;occ; 116; 0;48791
16; 4950.9; 29-JUN-2011 18:41:11; Dark ; 47.5; 94; 92Alp Cet ; 2.53; 3100;occ; 95; 0;48791
17; 5476.8; 29-JUN-2011 18:49:57; Dark ; 59.0; 0; ; 0.00; 0;occ; 118; 0;48791
18; 6099.0; 29-JUN-2011 19:00:19; Dark ; 49.5; 84; Alp Phe ; 2.40; 4500;occ; 99; 0;48792
19; 6487.0; 29-JUN-2011 19:06:47; Dark ; 52.5; 63; Bet Gru ; 2.15; 2800;occ; 105; 0;48792
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21; 6748.8; 29-JUN-2011 19:11:09; Dark ; 41.0; 45; Alp Pav ; 1.94; 26000;occ; 82; 0;48792
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3; 475.7; 30-JUN-2011 00:07:31; Dark ; 53.0; 63; Bet Gru ; 2.15; 2800;occ; 106; 0;48795
4; 592.1; 30-JUN-2011 00:09:28; Dark ; 49.5; 31; Alp Gru ; 1.73; 15200;occ; 99; 0;48795
5; 736.1; 30-JUN-2011 00:11:52; Dark ; 41.0; 45; Alp Pav ; 1.94; 26000;occ; 82; 0;48795
6; 1304.0; 30-JUN-2011 00:21:20; Dark ; 47.0; 103; 38Zet Sgr ; 2.60; 9700;occ; 94; 0;48795
7; 1469.3; 30-JUN-2011 00:24:05; Bright; 45.5; 155; 41Pi Sgr ; 2.90; 6600;occ; 91; 0;48795
8; 1969.7; 30-JUN-2011 00:32:25; Bright; 37.5; 126; 60Bet Oph ; 2.77; 4250;occ; 75; 0;48795
9; 2109.2; 30-JUN-2011 00:34:45; Bright; 39.0; 59; 55Alp Oph ; 2.08; 8900;occ; 78; 0;48795

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 11; 2637.8; 30-JUN-2011 00:43:33; Bright; 62.0; 5; 3Alp Lyr ; 0.03; 11000;occ; 124; 0;48795  
 12; 2793.8; 30-JUN-2011 00:46:10; Bright; 38.5; 130; 23Bet Dra ; 2.80; 5800;occ; 77; 0;48795  
 13; 2907.7; 30-JUN-2011 00:48:03; Bright; 47.0; 144; 18Del Cyg ; 2.86; 11000;occ; 94; 0;48795  
 14; 3326.7; 30-JUN-2011 00:55:02; Bright; 47.5; 89; 5Alp Cep ; 2.45; 8000;occ; 95; 0;48795  
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 16; 3866.8; 30-JUN-2011 01:04:02; Bright; 47.5; 68; 18Alp Cas ; 2.22; 4500;occ; 95; 0;48795  
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 4; 2109.4; 29-JUN-2011 19:34:03; Bright; 37.0; 59; 55Alp Oph ; 2.08; 8900;occ; 74; 0;48792  
 5; 2221.0; 29-JUN-2011 19:35:55; Bright; 48.0; 168; 17Zet Aql ; 2.99; 11000;occ; 96; 0;48792  
 6; 2639.2; 29-JUN-2011 19:42:53; Bright; 43.0; 5; 3Alp Lyr ; 0.03; 11000;occ; 86; 0;48792  
 7; 2794.3; 29-JUN-2011 19:45:28; Bright; 37.0; 130; 23Bet Dra ; 2.80; 5800;occ; 74; 0;48792  
 8; 2910.5; 29-JUN-2011 19:47:24; Bright; 42.0; 144; 18Del Cyg ; 2.86; 11000;occ; 84; 0;48792  
 9; 3328.8; 29-JUN-2011 19:54:23; Bright; 47.0; 89; 5Alp Cep ; 2.45; 8000;occ; 94; 0;48792  
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 11; 3868.1; 29-JUN-2011 20:03:22; Bright; 47.5; 68; 18Alp Cas ; 2.22; 4500;occ; 95; 0;48792  
 12; 4042.3; 29-JUN-2011 20:06:16; Bright; 56.0; 160; 23Gam Per ; 2.93; 4700;occ; 112; 0;48792  
 13; 4244.6; 29-JUN-2011 20:09:38; Bright; 48.0; 73; 57Gam1And ; 2.26; 13100;occ; 96; 0;48792  
 14; 4401.3; 29-JUN-2011 20:12:15; Dark ; 50.0; 173; 4Bet Tri ; 3.00; 8900;occ; 100; 0;48792  
 15; 4653.4; 29-JUN-2011 20:16:27; Dark ; 57.0; 50; 13Alp Ari ; 2.01; 4250;occ; 114; 0;48792  
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 5; 736.6; 30-JUN-2011 01:52:06; Dark ; 42.0; 45; Alp Pav ; 1.94; 26000;occ; 84; 0;48796  
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 27; 7318.8; 30-JUN-2011 03:41:48; Dark ; 47.5; 103; 38Zet Sgr ; 2.60; 9700;occ; 95; 0;48797  
 28; 7483.8; 30-JUN-2011 03:44:33; Bright; 45.5; 155; 41Pi Sgr ; 2.90; 6600;occ; 91; 0;48797  
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 33; 8807.6; 30-JUN-2011 04:06:37; Bright; 35.0; 130; 23Bet Dra ; 2.80; 5800;occ; 70; 0;48797

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4; -1769.8; 30-JUN-2011 06:11:02; Bright; 46.5; 73; 57Gam1And ; 2.26; 13100;occ; 93; 0;48798
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6; -1358.6; 30-JUN-2011 06:17:53; Dark ; 54.5; 50; 13Alp Ari ; 2.01; 4250;occ; 109; 0;48798
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13; 1305.5; 30-JUN-2011 07:02:17; Dark ; 46.0; 103; 38Zet Sgr ; 2.60; 9700;occ; 92; 0;48799
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5; 2793.3; 30-JUN-2011 07:27:05; Bright; 38.5; 130; 23Bet Dra ; 2.80; 5800;occ; 77; 0;48799
6; 2904.5; 30-JUN-2011 07:28:56; Bright; 54.0; 144; 18Del Cyg ; 2.86; 11000;occ; 108; 0;48799
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8; 3763.5; 30-JUN-2011 07:43:15; Bright; 48.5; 74; 11Bet Cas ; 2.27; 6600;occ; 97; 0;48799
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4;	2634.0;	30-JUN-2011	14:05:22;	Bright;	45.5;	5;	3Alp Lyr	;	0.03;	11000;occ;	91;	0;48803	
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6;	2901.2;	30-JUN-2011	14:09:49;	Bright;	49.5;	144;	18Del Cyg	;	2.86;	11000;occ;	99;	0;48803	
7;	3321.6;	30-JUN-2011	14:16:49;	Bright;	43.5;	89;	5Alp Cep	;	2.45;	8000;occ;	87;	0;48803	
8;	3761.5;	30-JUN-2011	14:24:09;	Bright;	68.0;	74;	11Bet Cas	;	2.27;	6600;occ;	136;	0;48803	
9;	3855.1;	30-JUN-2011	14:25:43;	Bright;	56.0;	110;	37Del Cas	;	2.68;	8900;occ;	112;	0;48803	
10;	4041.8;	30-JUN-2011	14:28:49;	Bright;	36.0;	160;	23Gam Per	;	2.93;	4700;occ;	72;	0;48803	
11;	4145.2;	30-JUN-2011	14:30:33;	Bright;	42.0;	175;	39Del Per	;	3.01;	19400;occ;	84;	0;48803	
12;	4243.9;	30-JUN-2011	14:32:11;	Bright;	47.5;	73;	57Gam1And	;	2.26;	13100;occ;	95;	0;48803	
13;	4402.1;	30-JUN-2011	14:34:50;	Dark	;	51.0;	173;	4Bet Tri	;	3.00;	8900;occ;	102;	0;48803
14;	4657.1;	30-JUN-2011	14:39:05;	Dark	;	59.0;	50;	13Alp Ari	;	2.01;	4250;occ;	118;	0;48803
15;	4955.9;	30-JUN-2011	14:44:03;	Dark	;	48.5;	94;	92Alp Cet	;	2.53;	3100;occ;	97;	0;48803
16;	5487.2;	30-JUN-2011	14:52:55;	Dark	;	59.0;	0;		;	0.00;	0;occ;	118;	0;48803
17;	6111.2;	30-JUN-2011	15:03:19;	Dark	;	47.0;	84;	Alp Phe	;	2.40;	4500;occ;	94;	0;48804
18;	6498.5;	30-JUN-2011	15:09:46;	Dark	;	51.5;	63;	Bet Gru	;	2.15;	2800;occ;	103;	0;48804
19;	6614.2;	30-JUN-2011	15:11:42;	Dark	;	53.0;	31;	Alp Gru	;	1.73;	15200;occ;	106;	0;48804
20;	6754.7;	30-JUN-2011	15:14:02;	Dark	;	41.0;	45;	Alp Pav	;	1.94;	26000;occ;	82;	0;48804
21;	7320.9;	30-JUN-2011	15:23:28;	Dark	;	40.5;	103;	38Zet Sgr	;	2.60;	9700;occ;	81;	0;48804
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2;	1969.8;	30-JUN-2011	15:34:31;	Bright;	38.0;	126;	60Bet Oph	;	2.77;	4250;occ;	76;	0;48804	
3;	2109.0;	30-JUN-2011	15:36:51;	Bright;	39.5;	59;	55Alp Oph	;	2.08;	8900;occ;	79;	0;48804	
4;	2214.7;	30-JUN-2011	15:38:36;	Bright;	47.5;	168;	17Zet Aql	;	2.99;	11000;occ;	95;	0;48804	
5;	2633.5;	30-JUN-2011	15:45:35;	Bright;	43.0;	5;	3Alp Lyr	;	0.03;	11000;occ;	86;	0;48804	
6;	2792.6;	30-JUN-2011	15:48:14;	Bright;	37.0;	130;	23Bet Dra	;	2.80;	5800;occ;	74;	0;48804	
7;	2900.4;	30-JUN-2011	15:50:02;	Bright;	46.5;	144;	18Del Cyg	;	2.86;	11000;occ;	93;	0;48804	
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9;	3761.0;	30-JUN-2011	16:04:22;	Bright;	47.0;	74;	11Bet Cas	;	2.27;	6600;occ;	94;	0;48804	
10;	3854.9;	30-JUN-2011	16:05:56;	Bright;	54.0;	110;	37Del Cas	;	2.68;	8900;occ;	108;	0;48804	
11;	4041.8;	30-JUN-2011	16:09:03;	Bright;	56.0;	160;	23Gam Per	;	2.93;	4700;occ;	112;	0;48804	
12;	4145.3;	30-JUN-2011	16:10:47;	Bright;	33.5;	175;	39Del Per	;	3.01;	19400;occ;	67;	0;48804	
13;	4243.8;	30-JUN-2011	16:12:25;	Bright;	48.0;	73;	57Gam1And	;	2.26;	13100;occ;	96;	0;48804	
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16;	4956.3;	30-JUN-2011	16:24:18;	Dark	;	49.5;	94;	92Alp Cet	;	2.53;	3100;occ;	99;	0;48804
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18;	6112.3;	30-JUN-2011	16:43:34;	Dark	;	50.0;	84;	Alp Phe	;	2.40;	4500;occ;	100;	0;48805
19;	6499.6;	30-JUN-2011	16:50:01;	Dark	;	49.5;	63;	Bet Gru	;	2.15;	2800;occ;	99;	0;48805
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21;	6755.2;	30-JUN-2011	16:54:17;	Dark	;	41.5;	45;	Alp Pav	;	1.94;	26000;occ;	83;	0;48805
22;	7321.3;	30-JUN-2011	17:03:43;	Dark	;	46.5;	103;	38Zet Sgr	;	2.60;	9700;occ;	93;	0;48805
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3;	2109.0;	30-JUN-2011	17:17:05;	Bright;	36.5;	59;	55Alp Oph	;	2.08;	8900;occ;	73;	0;48805	
4;	2214.1;	30-JUN-2011	17:18:50;	Bright;	47.0;	168;	17Zet Aql	;	2.99;	11000;occ;	94;	0;48805	
5;	2633.0;	30-JUN-2011	17:25:49;	Bright;	47.5;	5;	3Alp Lyr	;	0.03;	11000;occ;	95;	0;48805	
6;	2792.5;	30-JUN-2011	17:28:28;	Bright;	38.0;	130;	23Bet Dra	;	2.80;	5800;occ;	76;	0;48805	
7;	2899.6;	30-JUN-2011	17:30:15;	Bright;	47.5;	144;	18Del Cyg	;	2.86;	11000;occ;	95;	0;48805	
8;	3320.3;	30-JUN-2011	17:37:16;	Bright;	44.5;	89;	5Alp Cep	;	2.45;	8000;occ;	89;	0;48805	
9;	3760.4;	30-JUN-2011	17:44:36;	Bright;	68.0;	74;	11Bet Cas	;	2.27;	6600;occ;	136;	0;48805	
10;	3854.5;	30-JUN-2011	17:46:10;	Bright;	45.0;	110;	37Del Cas	;	2.68;	8900;occ;	90;	0;48805	

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 18; 6113.3; 30-JUN-2011 18:23:49; Dark ; 51.5; 84; Alp Phe ; 2.40; 4500;occ; 103; 0;48806  
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 21; 6755.7; 30-JUN-2011 18:34:31; Dark ; 40.0; 45; Alp Pav ; 1.94; 26000;occ; 80; 0;48806

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