

# GOMOS Daily Report 07-JUN-2010

## 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	10JUN2010 04:50:47
Data source version	GOMOS/5.00L04
Start time of products	07JUN2010 00:00:29
Stop time of products	07JUN2010 23:58:03
Store outputs in DB	Yes
Nb of level 1b prods	122
Nb of prods with errors	0

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

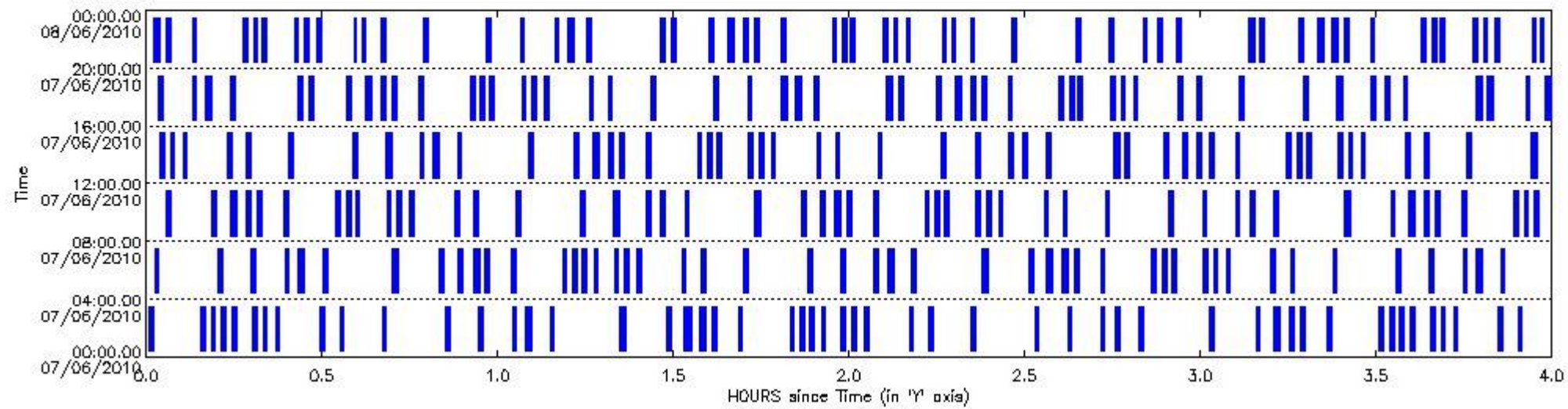
### 2.1 Level 0 products arrived in PCF (see template [here](#))

### 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

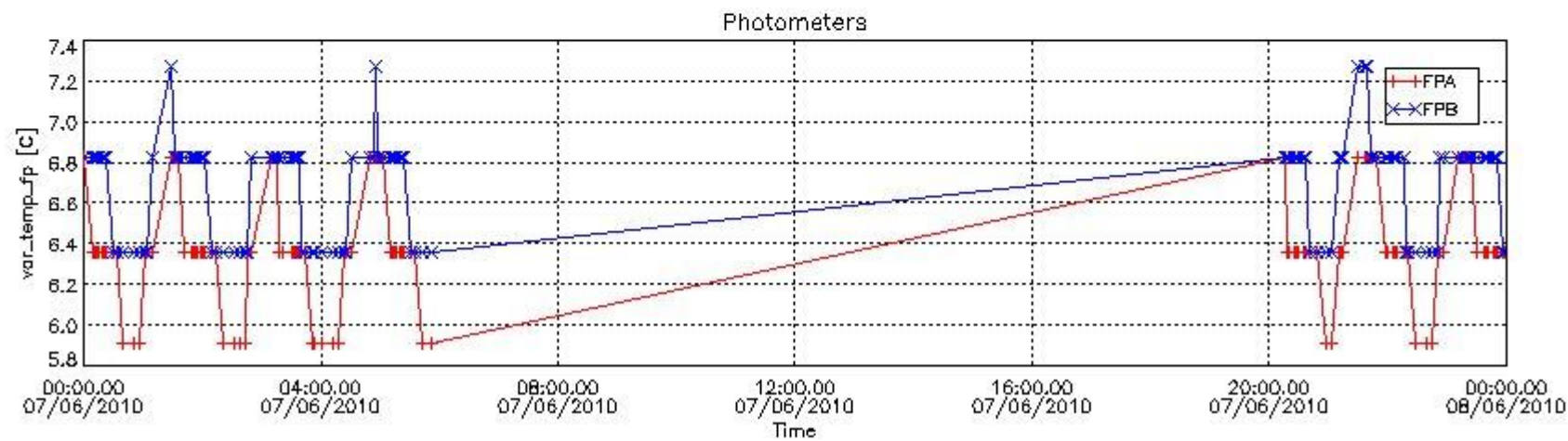
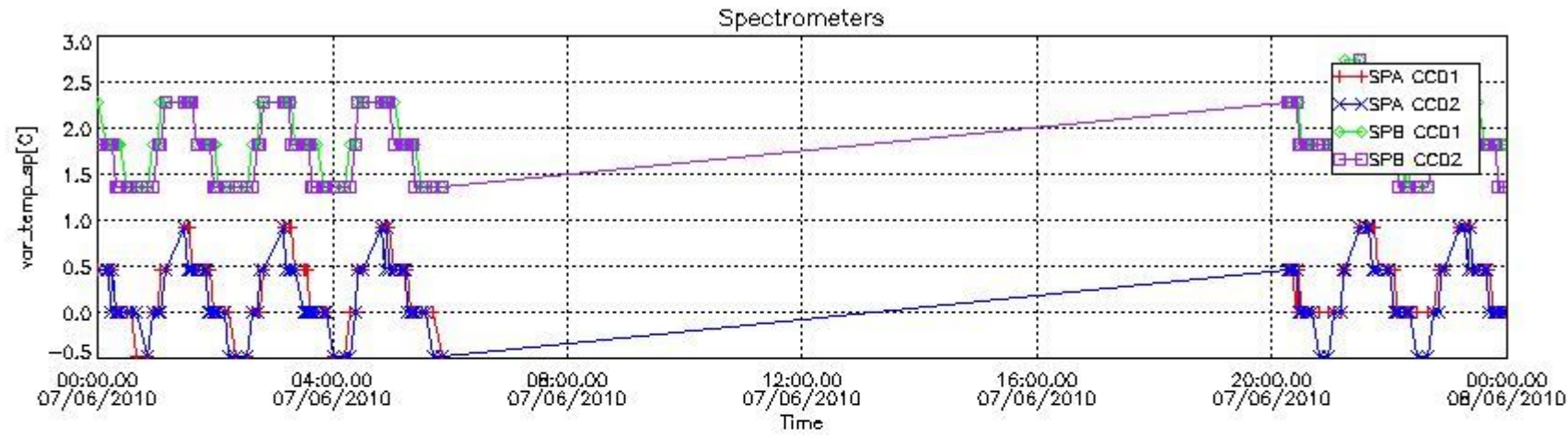
Nr	Filename	UTC Start time	Limb	Duration	Star Id	Star Name	Star Mag	Star Temp	Nb Meas	Orbit	Prod. error
1	GOM_TRA_1PNPDE20100607_000029_000000432090_00088_43228_7020.N1	07-JUN-2010 00:00:29	Straylight	43.000	45	Alp Pav	1.9400	26000.	86	43228	No
2	GOM_TRA_1PNPDE20100607_000916_000000462090_00088_43228_7021.N1	07-JUN-2010 00:09:16	Straylight	46.000	40	The Sco	1.8590	7100.0	92	43228	No
3	GOM_TRA_1PNPDE20100607_001101_000000462090_00088_43228_7022.N1	07-JUN-2010 00:11:01	Twilight_stray	45.500	25	35Lam Sco	1.6200	28000.	91	43228	No
4	GOM_TRA_1PNPDE20100607_001239_000000472090_00088_43228_7023.N1	07-JUN-2010 00:12:39	Twilight_stray	47.000	75	26Eps Sco	2.2910	4250.0	94	43228	No
5	GOM_TRA_1PNPDE20100607_001437_000000542090_00088_43228_7024.N1	07-JUN-2010 00:14:37	Bright	54.000	136	23Tau Sco	2.8220	30000.	108	43228	No
6	GOM_TRA_1PNPDE20100607_001805_000000432090_00088_43228_7025.N1	07-JUN-2010 00:18:05	Bright	43.000	86	35Eta Oph	2.4300	10200.	86	43228	No
7	GOM_TRA_1PNPDE20100607_001952_000000402090_00088_43228_7026.N1	07-JUN-2010 00:19:52	Bright	40.000	98	13Zet Oph	2.5710	30000.	80	43228	No
8	GOM_TRA_1PNPDE20100607_002200_000000382090_00088_43228_7027.N1	07-JUN-2010 00:22:00	Bright	37.500	120	1Del Oph	2.7340	3200.0	75	43228	No
9	GOM_TRA_1PNPDE20100607_002943_000000402090_00088_43228_7028.N1	07-JUN-2010 00:29:43	Bright	40.000	127	27Bet Her	2.7810	4700.0	80	43228	No
10	GOM_TRA_1PNPDE20100607_003259_000000412090_00088_43228_7029.N1	07-JUN-2010 00:32:59	Bright	41.000	133	40Zet Her	2.8070	6000.0	82	43228	No
11	GOM_TRA_1PNPDE20100607_004013_000000422090_00088_43228_7030.N1	07-JUN-2010 00:40:13	Bright	42.000	130	23Bet Dra	2.7990	5800.0	84	43228	No
12	GOM_TRA_1PNPDE20100607_005103_000000482090_00088_43228_7031.N1	07-JUN-2010 00:51:03	Bright	47.500	89	5Alp Cep	2.4510	8000.0	95	43228	No

13	GOM_TRA_1PNPDE20100607_005645_000000462090_00088_43228_7032.N1	07-JUN-2010 00:56:45	Bright	46.000	76	27Gam Cas	2.3000	30000.	92	43228	No
14	GOM_TRA_1PNPDE20100607_010228_000000382090_00088_43228_7033.N1	07-JUN-2010 01:02:28	Bright	37.500	73	57Gam1And	2.2600	13100.	75	43228	No
15	GOM_TRA_1PNPDE20100607_010447_000000602090_00088_43228_7034.N1	07-JUN-2010 01:04:47	Bright	60.000	53	43Bet And	2.0480	3300.0	120	43228	No
16	GOM_TRA_1PNPDE20100607_010855_000000442090_00088_43228_7035.N1	07-JUN-2010 01:08:55	Twilight	43.500	105	6Bet Ari	2.6450	8900.0	87	43228	No
17	GOM_TRA_1PNPDE20100607_012848_000000462090_00088_43228_7036.N1	07-JUN-2010 01:28:48	Dark	46.000	84	Alp Phe	2.3970	4500.0	92	43228	No
18	GOM_TRA_1PNPDE20100607_013151_000000722090_00088_43228_7037.N1	07-JUN-2010 01:31:51	Dark	71.500	18	24Alp PsA	1.1660	9700.0	143	43228	No
19	GOM_TRA_1PNPDE20100607_013432_000000582090_00089_43229_7038.N1	07-JUN-2010 01:34:32	Dark	57.500	63	Bet Gru	2.1500	2800.0	115	43229	No
20	GOM_TRA_1PNPDE20100607_013630_000000472090_00089_43229_7039.N1	07-JUN-2010 01:36:30	Dark	46.500	31	Alp Gru	1.7340	15200.	93	43229	No
21	GOM_TRA_1PNPDE20100607_014105_000000442090_00089_43229_7040.N1	07-JUN-2010 01:41:05	Straylight	43.500	45	Alp Pav	1.9400	26000.	87	43229	No
22	GOM_TRA_1PNPDE20100607_014952_000000442090_00089_43229_7041.N1	07-JUN-2010 01:49:52	Straylight	43.500	40	The Sco	1.8590	7100.0	87	43229	No
23	GOM_TRA_1PNPDE20100607_015138_000000452090_00089_43229_7042.N1	07-JUN-2010 01:51:38	Tw_i_and_stray	45.000	25	35Lam Sco	1.6200	28000.	90	43229	No
24	GOM_TRA_1PNPDE20100607_015315_000000452090_00089_43229_7043.N1	07-JUN-2010 01:53:15	Tw_i_and_stray	44.500	75	26Eps Sco	2.2910	4250.0	89	43229	No
25	GOM_TRA_1PNPDE20100607_015513_000000422090_00089_43229_7044.N1	07-JUN-2010 01:55:13	Bright	42.000	136	23Tau Sco	2.8220	30000.	84	43229	No
26	GOM_TRA_1PNPDE20100607_015840_000000442090_00089_43229_7045.N1	07-JUN-2010 01:58:40	Bright	43.500	86	35Eta Oph	2.4300	10200.	87	43229	No
27	GOM_TRA_1PNPDE20100607_020028_000000422090_00089_43229_7046.N1	07-JUN-2010 02:00:28	Bright	42.000	98	13Zet Oph	2.5710	30000.	84	43229	No
28	GOM_TRA_1PNPDE20100607_020236_000000402090_00089_43229_7047.N1	07-JUN-2010 02:02:36	Bright	39.500	120	1Del Oph	2.7340	3200.0	79	43229	No
29	GOM_TRA_1PNPDE20100607_021018_000000422090_00089_43229_7048.N1	07-JUN-2010 02:10:18	Bright	41.500	127	27Bet Her	2.7810	4700.0	83	43229	No
30	GOM_TRA_1PNPDE20100607_021334_000000412090_00089_43229_7049.N1	07-JUN-2010 02:13:34	Bright	40.500	133	40Zet Her	2.8070	6000.0	81	43229	No
31	GOM_TRA_1PNPDE20100607_022049_000000442090_00089_43229_7050.N1	07-JUN-2010 02:20:49	Bright	44.000	130	23Bet Dra	2.7990	5800.0	88	43229	No
32	GOM_TRA_1PNPDE20100607_023139_000000482090_00089_43229_7051.N1	07-JUN-2010 02:31:39	Bright	48.000	89	5Alp Cep	2.4510	8000.0	96	43229	No
33	GOM_TRA_1PNPDE20100607_023721_000000392090_00089_43229_7060.N1	07-JUN-2010 02:37:21	Bright	38.500	76	27Gam Cas	2.3000	30000.	77	43229	No
34	GOM_TRA_1PNPDE20100607_024304_000000352090_00089_43229_7061.N1	07-JUN-2010 02:43:04	Bright	35.000	73	57Gam1And	2.2600	13100.	70	43229	No
35	GOM_TRA_1PNPDE20100607_024523_000000602090_00089_43229_7062.N1	07-JUN-2010 02:45:23	Bright	60.000	53	43Bet And	2.0480	3300.0	120	43229	No
36	GOM_TRA_1PNPDE20100607_024931_000000442090_00089_43229_7063.N1	07-JUN-2010 02:49:31	Twilight	44.000	105	6Bet Ari	2.6450	8900.0	88	43229	No
37	GOM_TRA_1PNPDE20100607_030925_000000442090_00089_43229_7064.N1	07-JUN-2010 03:09:25	Dark	43.500	84	Alp Phe	2.3970	4500.0	87	43229	No
38	GOM_TRA_1PNPDE20100607_031228_000000602090_00089_43229_7065.N1	07-JUN-2010 03:12:28	Dark	59.500	18	24Alp PsA	1.1660	9700.0	119	43229	No
39	GOM_TRA_1PNPDE20100607_031509_000000482090_00090_43230_7066.N1	07-JUN-2010 03:15:09	Dark	48.000	63	Bet Gru	2.1500	2800.0	96	43230	No
40	GOM_TRA_1PNPDE20100607_031707_000000462090_00090_43230_7067.N1	07-JUN-2010 03:17:07	Dark	46.000	31	Alp Gru	1.7340	15200.	92	43230	No
41	GOM_TRA_1PNPDE20100607_032142_000000422090_00090_43230_7068.N1	07-JUN-2010 03:21:42	Straylight	42.000	45	Alp Pav	1.9400	26000.	84	43230	No
42	GOM_TRA_1PNPDE20100607_033028_000000462090_00090_43230_7069.N1	07-JUN-2010 03:30:28	Straylight	46.000	40	The Sco	1.8590	7100.0	92	43230	No
43	GOM_TRA_1PNPDE20100607_033214_000000482090_00090_43230_7070.N1	07-JUN-2010 03:32:14	Tw_i_and_stray	48.000	25	35Lam Sco	1.6200	28000.	96	43230	No
44	GOM_TRA_1PNPDE20100607_033352_000000462090_00090_43230_7071.N1	07-JUN-2010 03:33:52	Tw_i_and_stray	46.000	75	26Eps Sco	2.2910	4250.0	92	43230	No
45	GOM_TRA_1PNPDE20100607_033549_000000452090_00090_43230_7072.N1	07-JUN-2010 03:35:49	Bright	45.000	136	23Tau Sco	2.8220	30000.	90	43230	No
46	GOM_TRA_1PNPDE20100607_033917_000000432090_00090_43230_7073.N1	07-JUN-2010 03:39:17	Bright	42.500	86	35Eta Oph	2.4300	10200.	85	43230	No
47	GOM_TRA_1PNPDE20100607_034104_000000402090_00090_43230_7074.N1	07-JUN-2010 03:41:04	Bright	39.500	98	13Zet Oph	2.5710	30000.	79	43230	No
48	GOM_TRA_1PNPDE20100607_034312_000000382090_00090_43230_7075.N1	07-JUN-2010 03:43:12	Bright	38.000	120	1Del Oph	2.7340	3200.0	76	43230	No
49	GOM_TRA_1PNPDE20100607_035054_000000422090_00090_43230_7076.N1	07-JUN-2010 03:50:54	Bright	41.500	127	27Bet Her	2.7810	4700.0	83	43230	No
50	GOM_TRA_1PNPDE20100607_035410_000000432090_00090_43230_7077.N1	07-JUN-2010 03:54:10	Bright	42.500	133	40Zet Her	2.8070	6000.0	85	43230	No
51	GOM_TRA_1PNPDE20100607_040124_000000442090_00090_43230_7078.N1	07-JUN-2010 04:01:24	Bright	43.500	130	23Bet Dra	2.7990	5800.0	87	43230	No
52	GOM_TRA_1PNPDE20100607_041213_000000482090_00090_43230_7079.N1	07-JUN-2010 04:12:13	Bright	47.500	89	5Alp Cep	2.4510	8000.0	95	43230	No
53	GOM_TRA_1PNPDE20100607_041756_000000392090_00090_43230_7085.N1	07-JUN-2010 04:17:56	Bright	39.000	76	27Gam Cas	2.3000	30000.	78	43230	No
54	GOM_TRA_1PNPDE20100607_042340_000000382090_00090_43230_7086.N1	07-JUN-2010 04:23:40	Bright	37.500	73	57Gam1And	2.2600	13100.	75	43230	No
55	GOM_TRA_1PNPDE20100607_042559_000000602090_00090_43230_7087.N1	07-JUN-2010 04:25:59	Bright	60.000	53	43Bet And	2.0480	3300.0	120	43230	No
56	GOM_TRA_1PNPDE20100607_043007_000000442090_00090_43230_7088.N1	07-JUN-2010 04:30:07	Twilight	44.000	105	6Bet Ari	2.6450	8900.0	88	43230	No
57	GOM_TRA_1PNPDE20100607_045002_000000442090_00090_43230_7089.N1	07-JUN-2010 04:50:02	Dark	44.000	84	Alp Phe	2.3970	4500.0	88	43230	No
58	GOM_TRA_1PNPDE20100607_045306_000000572090_00090_43230_7090.N1	07-JUN-2010 04:53:06	Dark	56.500	18	24Alp PsA	1.1660	9700.0	113	43230	No
59	GOM_TRA_1PNPDE20100607_045546_000000642090_00091_43231_7091.N1	07-JUN-2010 04:55:46	Dark	64.000	63	Bet Gru	2.1500	2800.0	128	43231	No
60	GOM_TRA_1PNPDE20100607_045744_000000452090_00091_43231_7092.N1	07-JUN-2010 04:57:44	Dark	45.000	31	Alp Gru	1.7340	15200.	90	43231	No
61	GOM_TRA_1PNPDE20100607_050219_000000432090_00091_43231_7093.N1	07-JUN-2010 05:02:19	Straylight	42.500	45	Alp Pav	1.9400	26000.	85	43231	No
62	GOM_TRA_1PNPDE20100607_051105_000000452090_00091_43231_7094.N1	07-JUN-2010 05:11:05	Straylight	44.500	40	The Sco	1.8590	7100.0	89	43231	No
63	GOM_TRA_1PNPDE20100607_051251_000000462090_00091_43231_7095.N1	07-JUN-2010 05:12:51	Tw_i_and_stray	45.500	25	35Lam Sco	1.6200	28000.	91	43231	No
64	GOM_TRA_1PNPDE20100607_051428_000000452090_00091_43231_7096.N1	07-JUN-2010 05:14:28	Tw_i_and_stray	45.000	75	26Eps Sco	2.2910	4250.0	90	43231	No
65	GOM_TRA_1PNPDE20100607_051625_000000412090_00091_43231_7097.N1	07-JUN-2010 05:16:25	Bright	41.000	136	23Tau Sco	2.8220	30000.	82	43231	No
66	GOM_TRA_1PNPDE20100607_051953_000000442090_00091_43231_7098.N1	07-JUN-2010 05:19:53	Bright	43.500	86	35Eta Oph	2.4300	10200.	87	43231	No
67	GOM_TRA_1PNPDE20100607_052140_000000402090_00091_43231_7099.N1	07-JUN-2010 05:21:40	Bright	40.000	98	13Zet Oph	2.5710	30000.	80	43231	No
68	GOM_TRA_1PNPDE20100607_052348_000000382090_00091_43231_7100.N1	07-JUN-2010 05:23:48	Bright	38.000	120	1Del Oph	2.7340	3200.0	76	43231	No
69	GOM_TRA_1PNPDE20100607_053130_000000402090_00091_43231_7101.N1	07-JUN-2010 05:31:30	Bright	39.500	127	27Bet Her	2.7810	4700.0	79	43231	No
70	GOM_TRA_1PNPDE20100607_053445_000000442090_00091_43231_7102.N1	07-JUN-2010 05:34:45	Bright	43.500	133	40Zet Her	2.8070	6000.0	87	43231	No
71	GOM_TRA_1PNPDE20100607_054159_000000452090_00091_43231_7103.N1	07-JUN-2010 05:41:59	Bright	44.500	130	23Bet Dra	2.7990	5800.0	89	43231	No

72	GOM_TRA_1PNPDE20100607_055249_000000492090_00091_43231_7104.N1	07-JUN-2010 05:52:49	Bright	49.000	89	5Alp Cep	2.4510	8000.0	98	43231	No
73	GOM_TRA_1PNPDE20100607_201632_000000452090_00100_43240_7251.N1	07-JUN-2010 20:16:32	Straylight	44.500	40	The Sco	1.8590	7100.0	89	43240	No
74	GOM_TRA_1PNPDE20100607_201817_000000462090_00100_43240_7252.N1	07-JUN-2010 20:18:17	Twilight	45.500	25	35Lam Sco	1.6200	28000.	91	43240	No
75	GOM_TRA_1PNPDE20100607_201938_000000492090_00100_43240_7253.N1	07-JUN-2010 20:19:38	Twilight	49.000	167	10Gam2Sgr	2.9840	4500.0	98	43240	No
76	GOM_TRA_1PNPDE20100607_202517_000000442090_00100_43240_7254.N1	07-JUN-2010 20:25:17	Bright	43.500	86	35Eta Oph	2.4300	10200.	87	43240	No
77	GOM_TRA_1PNPDE20100607_202704_000000402090_00100_43240_7255.N1	07-JUN-2010 20:27:04	Bright	39.500	98	13Zet Oph	2.5710	30000.	79	43240	No
78	GOM_TRA_1PNPDE20100607_202912_000000382090_00100_43240_7256.N1	07-JUN-2010 20:29:12	Bright	37.500	120	1Del Oph	2.7340	3200.0	75	43240	No
79	GOM_TRA_1PNPDE20100607_203524_000000262090_00100_43240_7257.N1	07-JUN-2010 20:35:24	Twilight	26.000	59	55Alp Oph	2.0800	8900.0	52	43240	No
80	GOM_TRA_1PNPDE20100607_203651_000000412090_00100_43240_7258.N1	07-JUN-2010 20:36:51	Bright	40.500	127	27Bet Her	2.7810	4700.0	81	43240	No
81	GOM_TRA_1PNPDE20100607_204006_000000422090_00100_43240_7259.N1	07-JUN-2010 20:40:06	Bright	41.500	133	40Zet Her	2.8070	6000.0	83	43240	No
82	GOM_TRA_1PNPDE20100607_204718_000000432090_00100_43240_7260.N1	07-JUN-2010 20:47:18	Bright	43.000	130	23Bet Dra	2.7990	5800.0	86	43240	No
83	GOM_TRA_1PNPDE20100607_205807_000000492090_00100_43240_7261.N1	07-JUN-2010 20:58:07	Bright	48.500	89	5Alp Cep	2.4510	8000.0	97	43240	No
84	GOM_TRA_1PNPDE20100607_210354_000000392090_00100_43240_7262.N1	07-JUN-2010 21:03:54	Bright	39.000	76	27Gam Cas	2.3000	30000.	78	43240	No
85	GOM_TRA_1PNPDE20100607_210940_000000382090_00100_43240_7263.N1	07-JUN-2010 21:09:40	Bright	38.000	73	57Gam1And	2.2600	13100.	76	43240	No
86	GOM_TRA_1PNPDE20100607_211159_000000602090_00100_43240_7264.N1	07-JUN-2010 21:11:59	Bright	60.000	53	43Bet And	2.0480	3300.0	120	43240	No
87	GOM_TRA_1PNPDE20100607_211512_000000512090_00100_43240_7265.N1	07-JUN-2010 21:15:12	Twilight	50.500	50	13Alp Ari	2.0070	4250.0	101	43240	No
88	GOM_TRA_1PNPDE20100607_212934_000000542090_00100_43240_7267.N1	07-JUN-2010 21:29:34	Dark	53.500	52	16Bet Cet	2.0370	4500.0	107	43240	No
89	GOM_TRA_1PNPDE20100607_213608_000000422090_00100_43240_7268.N1	07-JUN-2010 21:36:08	Dark	42.000	84	Alp Phe	2.3970	4500.0	84	43240	No
90	GOM_TRA_1PNPDE20100607_213920_000000652090_00100_43240_7269.N1	07-JUN-2010 21:39:20	Dark	65.000	18	24Alp PsA	1.1660	9700.0	130	43240	No
91	GOM_TRA_1PNPDE20100607_214154_000000602090_00101_43241_7270.N1	07-JUN-2010 21:41:54	Dark	59.500	63	Bet Gru	2.1500	2800.0	119	43241	No
92	GOM_TRA_1PNPDE20100607_214353_000000462090_00101_43241_7271.N1	07-JUN-2010 21:43:53	Dark	45.500	31	Alp Gru	1.7340	15200.	91	43241	No
93	GOM_TRA_1PNPDE20100607_214825_000000422090_00101_43241_7272.N1	07-JUN-2010 21:48:25	Straylight	42.000	45	Alp Pav	1.9400	26000.	84	43241	No
94	GOM_TRA_1PNPDE20100607_215708_000000462090_00101_43241_7273.N1	07-JUN-2010 21:57:08	Straylight	45.500	40	The Sco	1.8590	7100.0	91	43241	No
95	GOM_TRA_1PNPDE20100607_215853_000000462090_00101_43241_7274.N1	07-JUN-2010 21:58:53	Twilight	46.000	25	35Lam Sco	1.6200	28000.	92	43241	No
96	GOM_TRA_1PNPDE20100607_220014_000000512090_00101_43241_7275.N1	07-JUN-2010 22:00:14	Twilight	51.000	167	10Gam2Sgr	2.9840	4500.0	102	43241	No
97	GOM_TRA_1PNPDE20100607_220553_000000442090_00101_43241_7276.N1	07-JUN-2010 22:05:53	Bright	44.000	86	35Eta Oph	2.4300	10200.	88	43241	No
98	GOM_TRA_1PNPDE20100607_220740_000000402090_00101_43241_7277.N1	07-JUN-2010 22:07:40	Bright	39.500	98	13Zet Oph	2.5710	30000.	79	43241	No
99	GOM_TRA_1PNPDE20100607_220948_000000382090_00101_43241_7278.N1	07-JUN-2010 22:09:48	Bright	37.500	120	1Del Oph	2.7340	3200.0	75	43241	No
100	GOM_TRA_1PNPDE20100607_221600_000000262090_00101_43241_7279.N1	07-JUN-2010 22:16:00	Twilight	26.000	59	55Alp Oph	2.0800	8900.0	52	43241	No
101	GOM_TRA_1PNPDE20100607_221727_000000392090_00101_43241_7280.N1	07-JUN-2010 22:17:27	Bright	39.000	127	27Bet Her	2.7810	4700.0	78	43241	No
102	GOM_TRA_1PNPDE20100607_222041_000000412090_00101_43241_7281.N1	07-JUN-2010 22:20:41	Bright	40.500	133	40Zet Her	2.8070	6000.0	81	43241	No
103	GOM_TRA_1PNPDE20100607_222753_000000442090_00101_43241_7282.N1	07-JUN-2010 22:27:53	Bright	44.000	130	23Bet Dra	2.7990	5800.0	88	43241	No
104	GOM_TRA_1PNPDE20100607_223842_000000472090_00101_43241_7283.N1	07-JUN-2010 22:38:42	Bright	47.000	89	5Alp Cep	2.4510	8000.0	94	43241	No
105	GOM_TRA_1PNPDE20100607_224430_000000402090_00101_43241_7284.N1	07-JUN-2010 22:44:30	Bright	39.500	76	27Gam Cas	2.3000	30000.	79	43241	No
106	GOM_TRA_1PNPDE20100607_225016_000000372090_00101_43241_7285.N1	07-JUN-2010 22:50:16	Bright	36.500	73	57Gam1And	2.2600	13100.	73	43241	No
107	GOM_TRA_1PNPDE20100607_225235_000000562090_00101_43241_7286.N1	07-JUN-2010 22:52:35	Bright	55.500	53	43Bet And	2.0480	3300.0	111	43241	No
108	GOM_TRA_1PNPDE20100607_225548_000000462090_00101_43241_7287.N1	07-JUN-2010 22:55:48	Twilight	45.500	50	13Alp Ari	2.0070	4250.0	91	43241	No
109	GOM_TRA_1PNPDE20100607_231011_000000492090_00101_43241_7289.N1	07-JUN-2010 23:10:11	Dark	49.000	52	16Bet Cet	2.0370	4500.0	98	43241	No
110	GOM_TRA_1PNPDE20100607_231644_000000472090_00101_43241_7290.N1	07-JUN-2010 23:16:44	Dark	46.500	84	Alp Phe	2.3970	4500.0	93	43241	No
111	GOM_TRA_1PNPDE20100607_231957_000000722090_00101_43241_7291.N1	07-JUN-2010 23:19:57	Dark	72.000	18	24Alp PsA	1.1660	9700.0	144	43241	No
112	GOM_TRA_1PNPDE20100607_232231_000000642090_00102_43242_7292.N1	07-JUN-2010 23:22:31	Dark	64.000	63	Bet Gru	2.1500	2800.0	128	43242	No
113	GOM_TRA_1PNPDE20100607_232430_000000562090_00102_43242_7293.N1	07-JUN-2010 23:24:30	Dark	55.500	31	Alp Gru	1.7340	15200.	111	43242	No
114	GOM_TRA_1PNPDE20100607_232901_000000442090_00102_43242_7294.N1	07-JUN-2010 23:29:01	Straylight	43.500	45	Alp Pav	1.9400	26000.	87	43242	No
115	GOM_TRA_1PNPDE20100607_233744_000000462090_00102_43242_7295.N1	07-JUN-2010 23:37:44	Straylight	45.500	40	The Sco	1.8590	7100.0	91	43242	No
116	GOM_TRA_1PNPDE20100607_233930_000000472090_00102_43242_7296.N1	07-JUN-2010 23:39:30	Twilight	46.500	25	35Lam Sco	1.6200	28000.	93	43242	No
117	GOM_TRA_1PNPDE20100607_234050_000000532090_00102_43242_7297.N1	07-JUN-2010 23:40:50	Twilight	52.500	167	10Gam2Sgr	2.9840	4500.0	105	43242	No
118	GOM_TRA_1PNPDE20100607_234629_000000432090_00102_43242_7298.N1	07-JUN-2010 23:46:29	Bright	43.000	86	35Eta Oph	2.4300	10200.	86	43242	No
119	GOM_TRA_1PNPDE20100607_234816_000000402090_00102_43242_7299.N1	07-JUN-2010 23:48:16	Bright	39.500	98	13Zet Oph	2.5710	30000.	79	43242	No
120	GOM_TRA_1PNPDE20100607_235024_000000382090_00102_43242_7300.N1	07-JUN-2010 23:50:24	Bright	37.500	120	1Del Oph	2.7340	3200.0	75	43242	No
121	GOM_TRA_1PNPDE20100607_235635_000000332090_00102_43242_7301.N1	07-JUN-2010 23:56:35	Twilight	33.000	59	55Alp Oph	2.0800	8900.0	66	43242	No
122	GOM_TRA_1PNPDE20100607_235803_000000402090_00102_43242_7302.N1	07-JUN-2010 23:58:03	Bright	39.500	127	27Bet Her	2.7810	4700.0	79	43242	No

### 3. Plot of GOMOS spectrometers and photometers temperatures from level 1b data





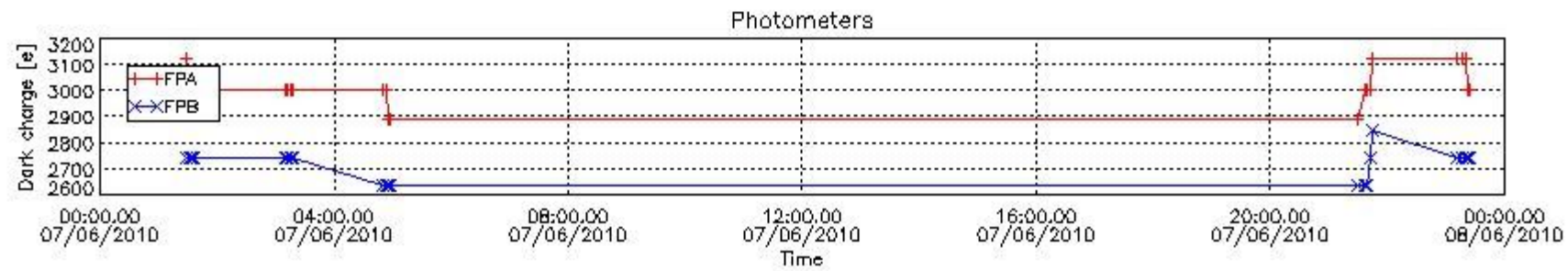
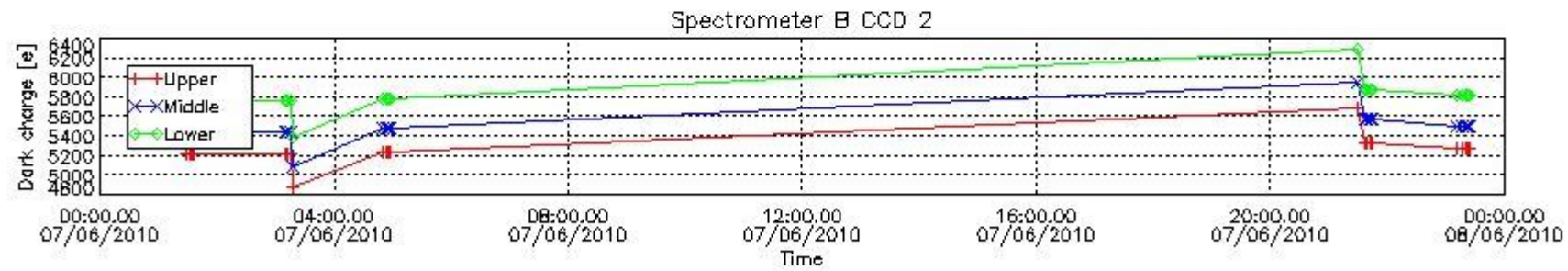
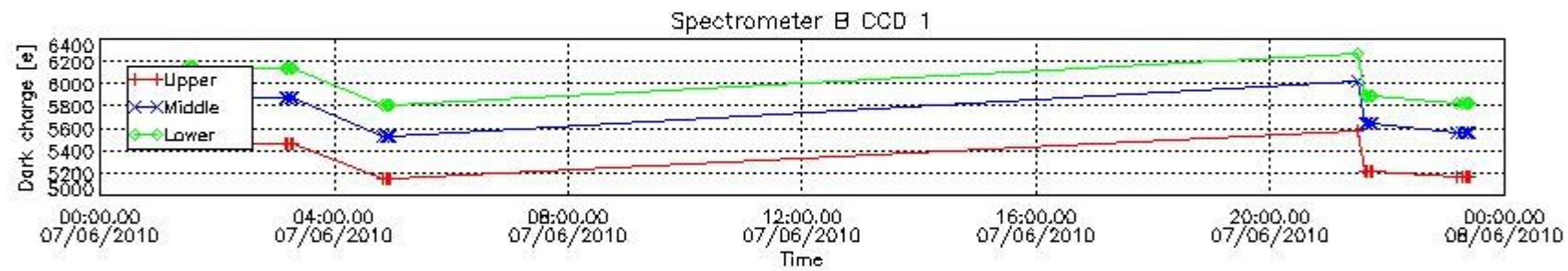
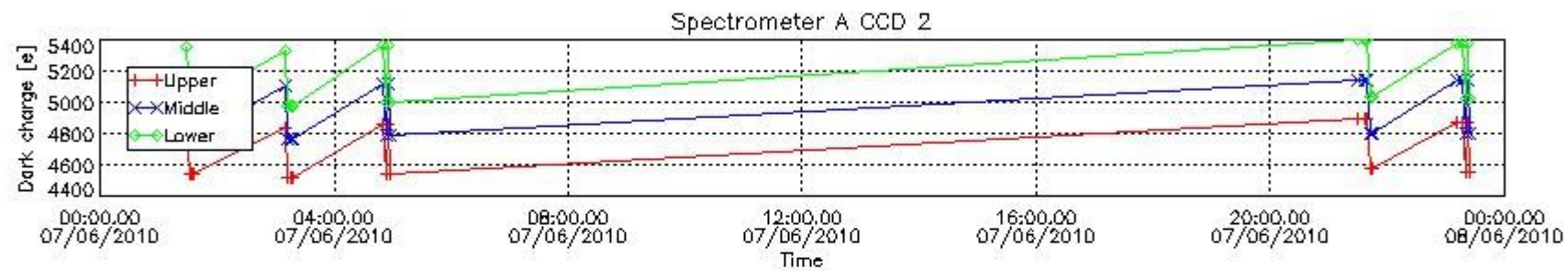
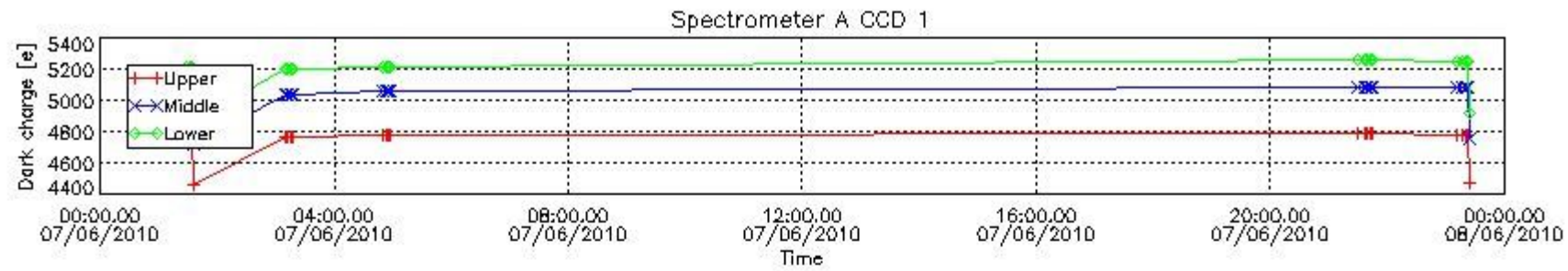
#### 4. Overview of dark signal processing per product

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 All products used the DSA observation for the DC computation

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



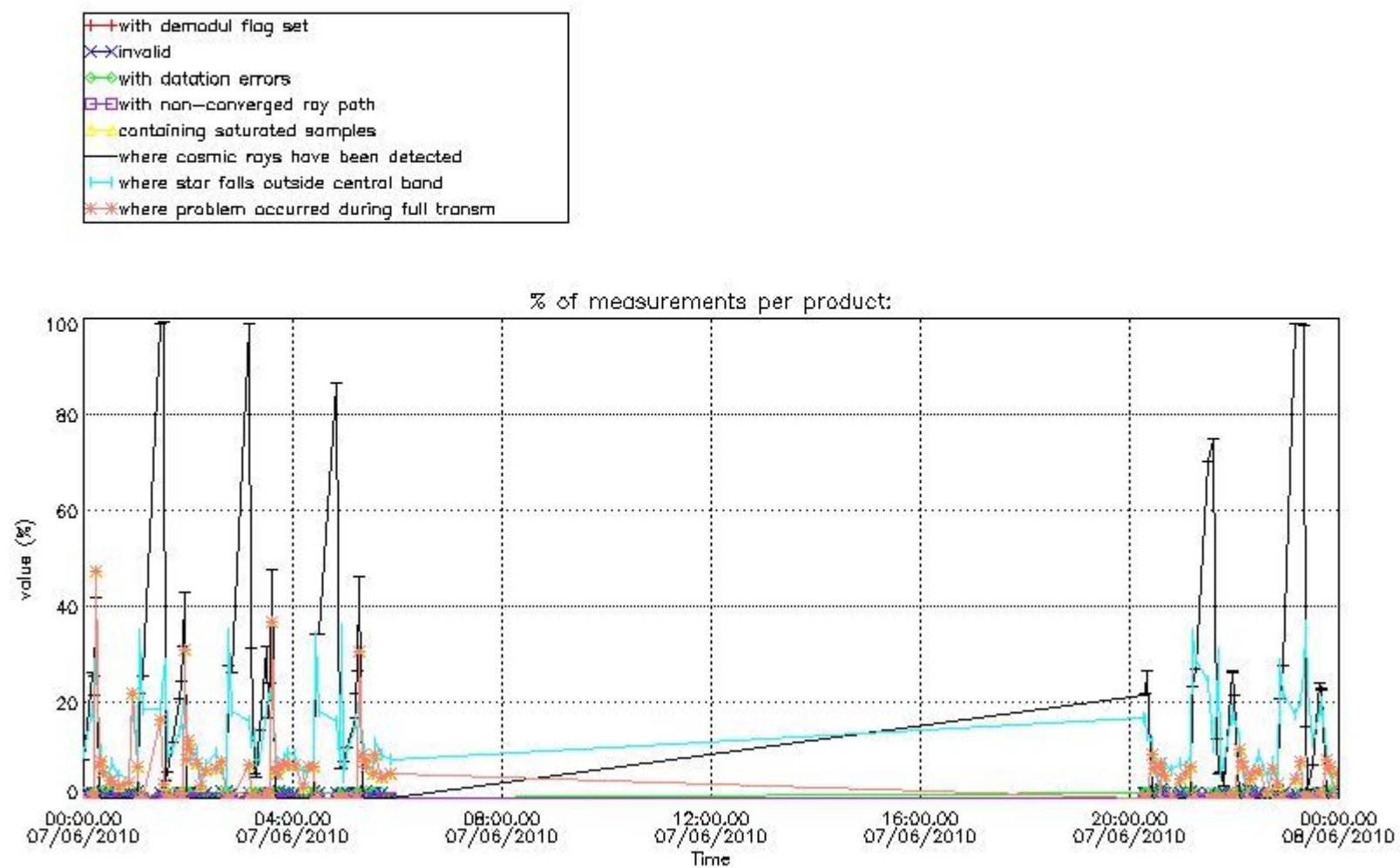
## 5. Demodulation flag and quality information monitoring

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

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

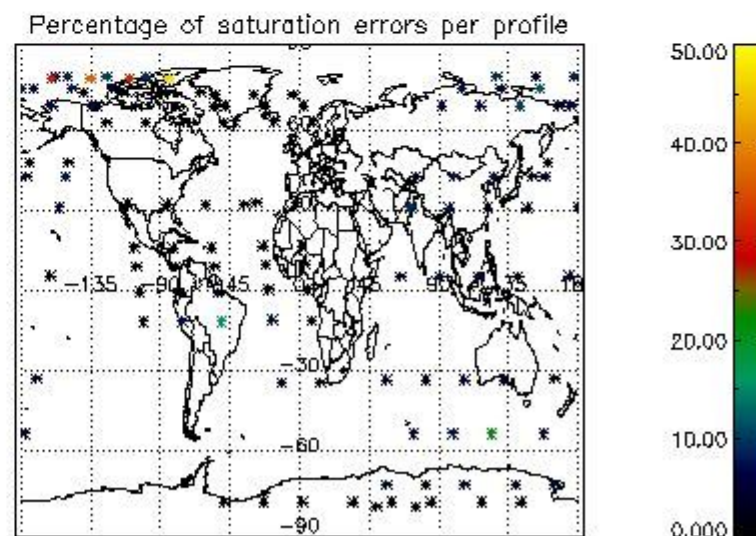
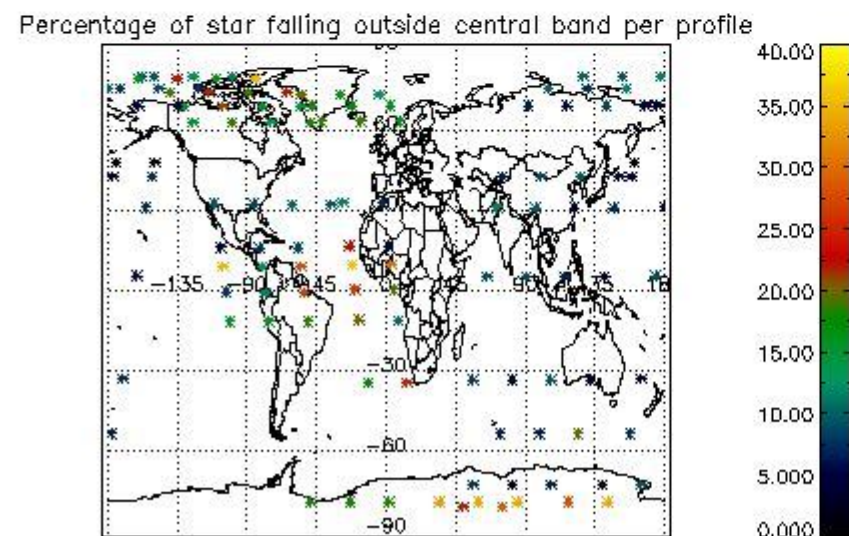
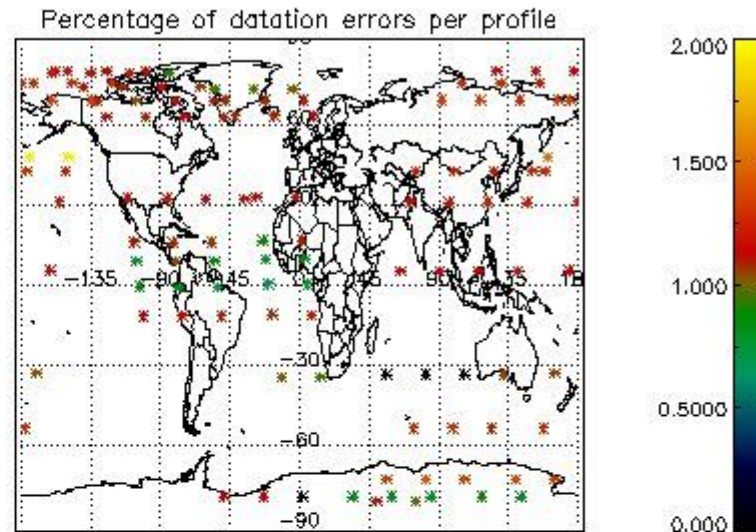
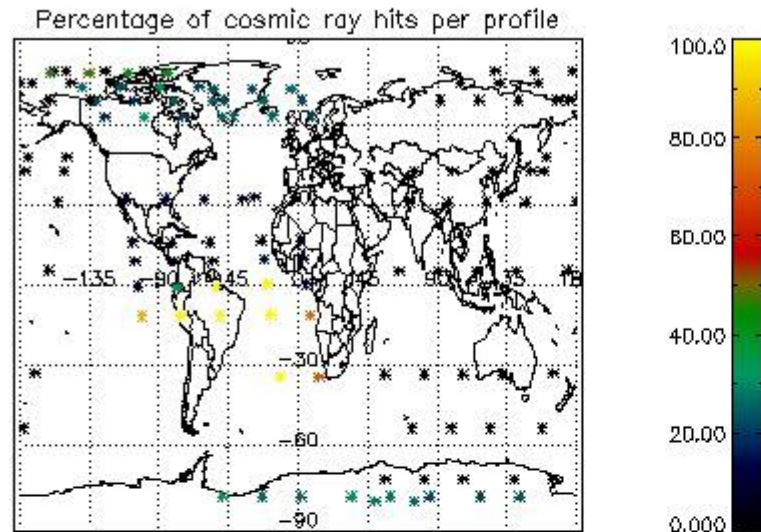
At least one measurement with demodulation flag set:	40.9836 %
Reference spectrum computed from DB:	0.00000 %
Reference spectrum with small number of measurements:	0.00000 %
SATU data not used:	0.00000 %

### 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)

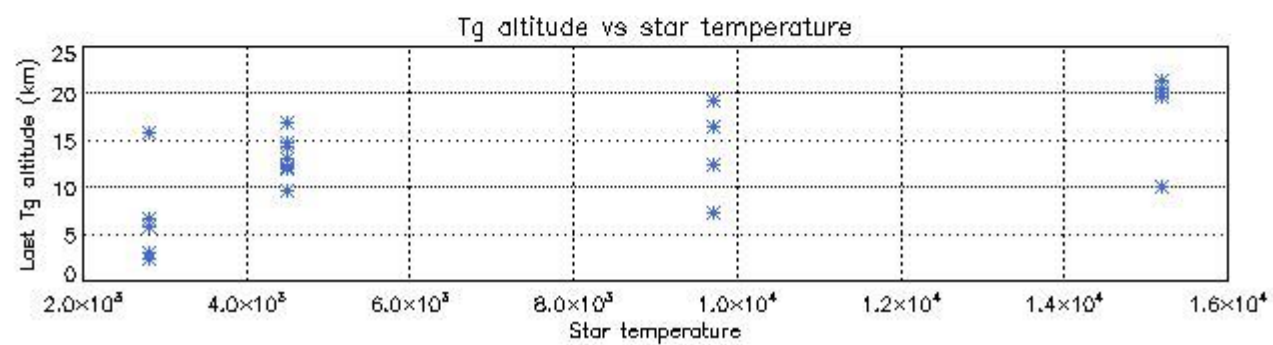
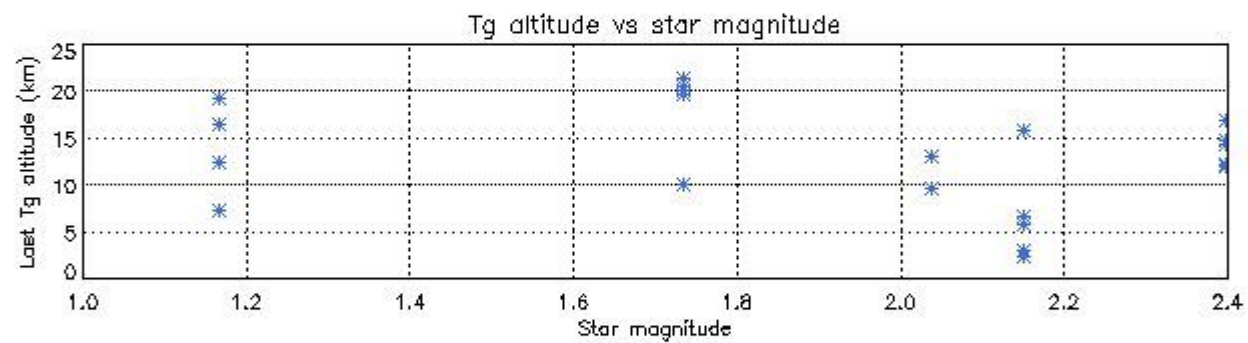
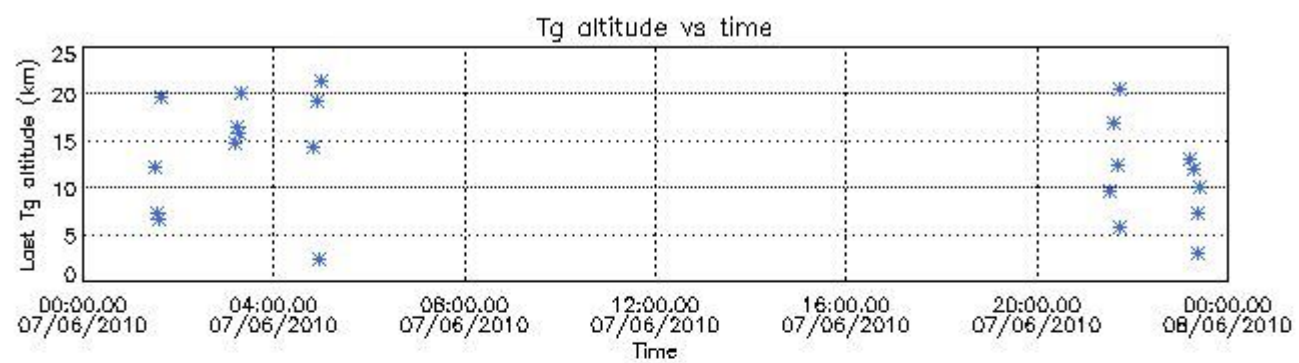
### 6.1 Statistics on tangent altitude lost:

Statistics	DARK	BRIGHT	TWILIGHT
Mean:	12.775	18.231	10.882
St. deviation:	5.7332	4.8992	2.3510
Maximum:	21.345	25.535	12.646
Minimum:	2.4120	3.9829	6.9445
Number of data:	22.000	65.000	5.0000

### 6.2 Plot for DARK limb products

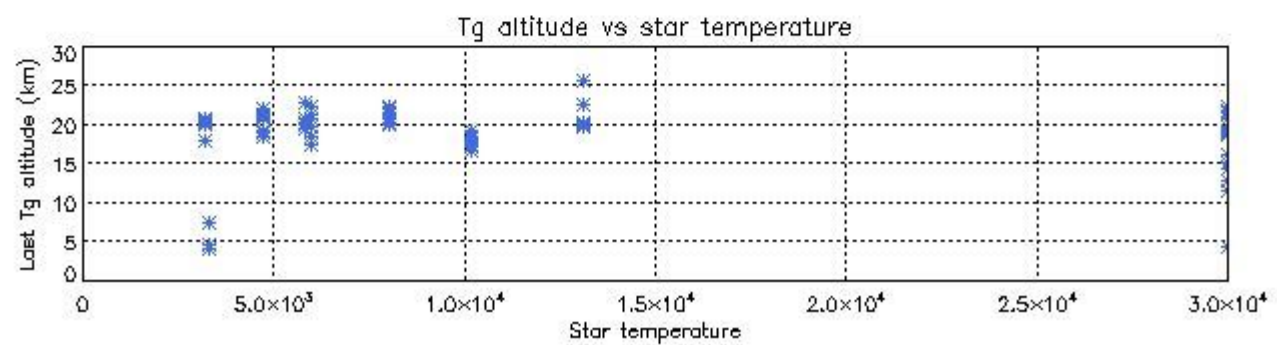
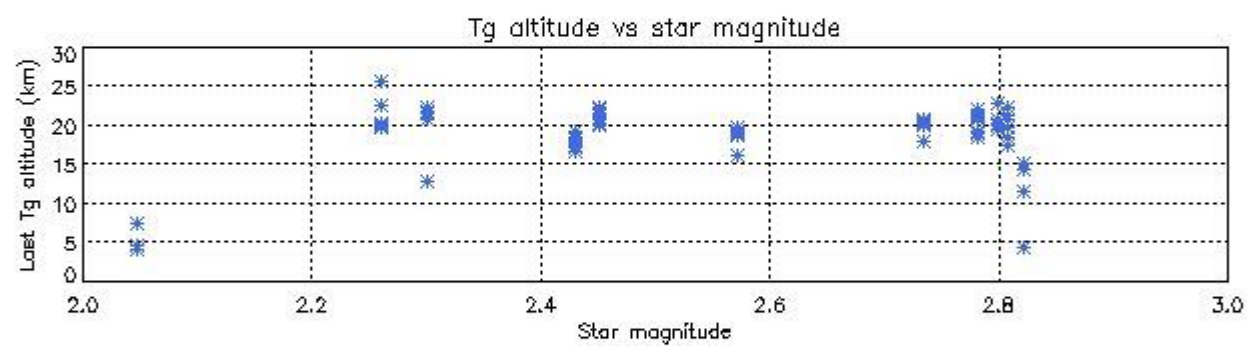
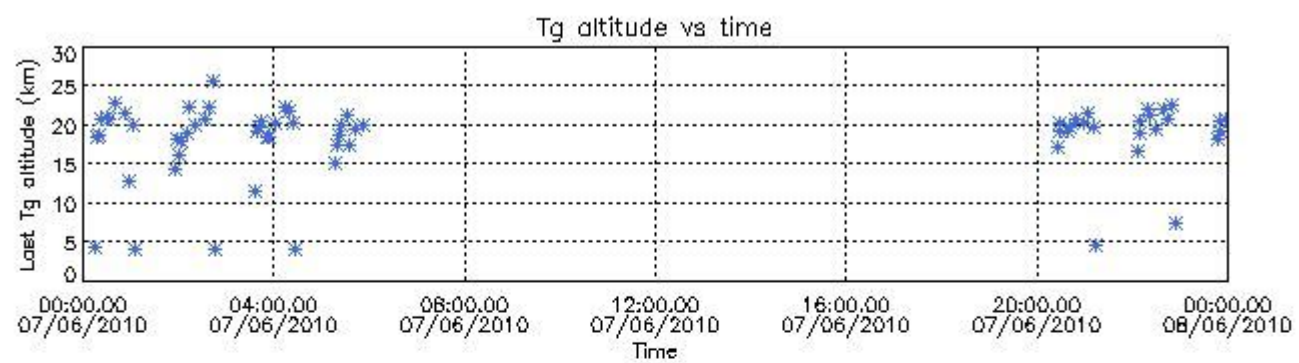


Tangent altitude at which the star is lost



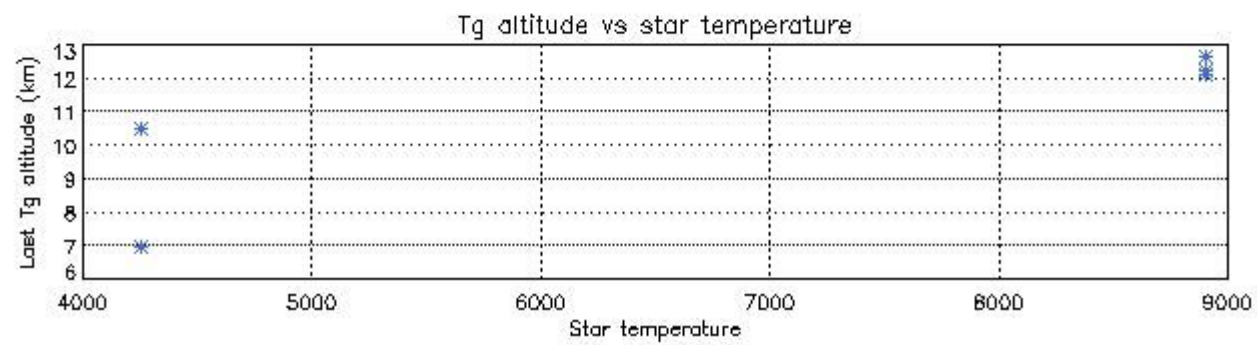
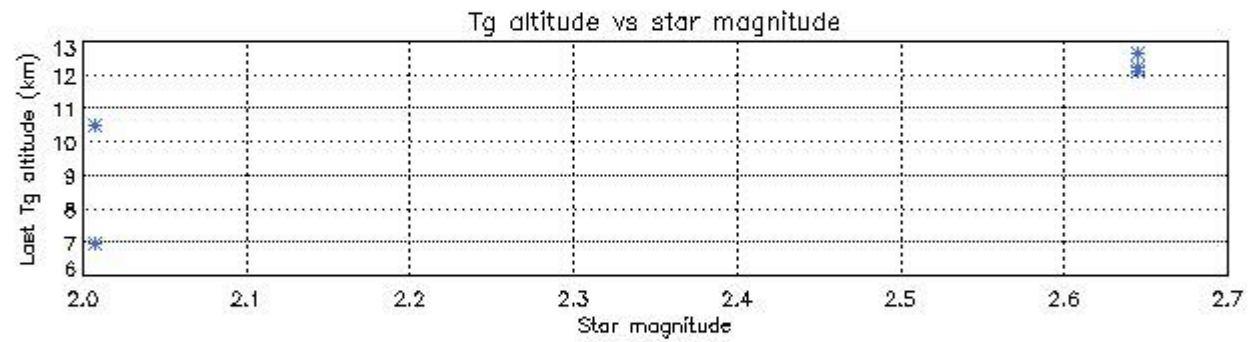
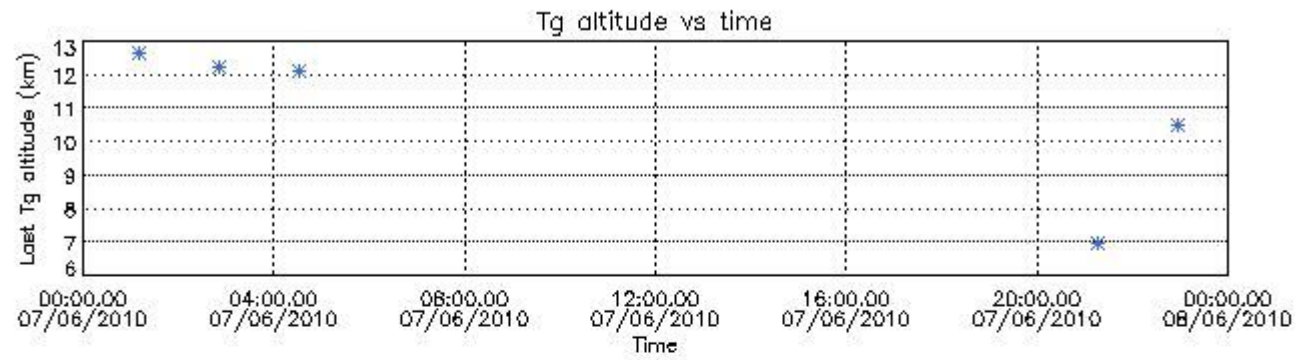
6.3 Plot for BRIGHT limb products

Tangent altitude at which the star is lost



6.3 Plot for TWILIGHT limb products

Tangent altitude at which the star is lost



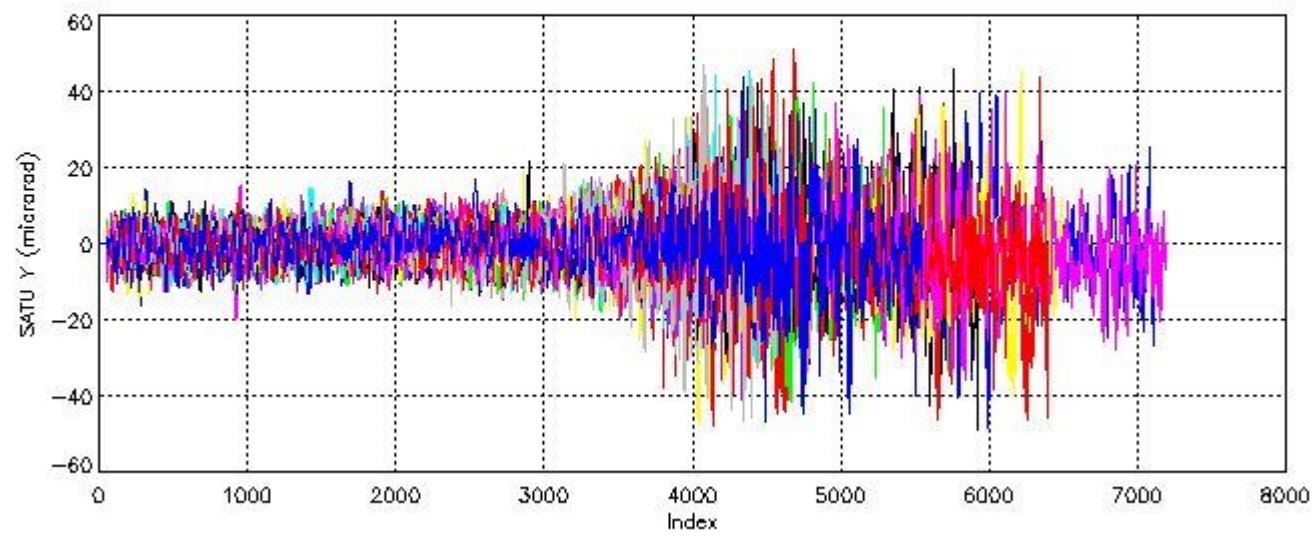
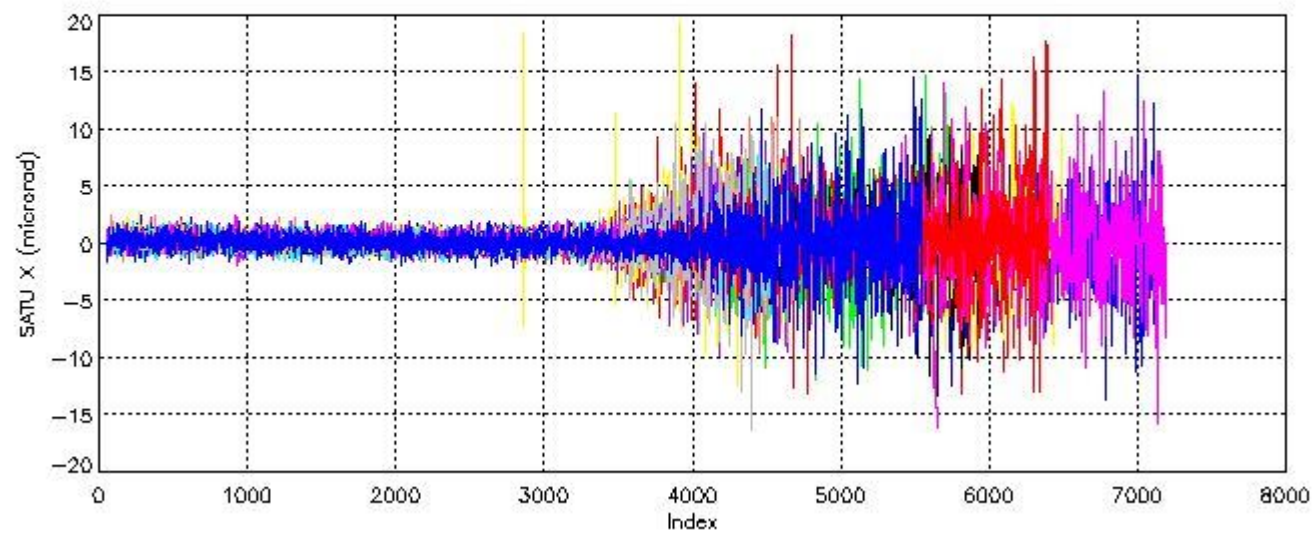
## 7. Star Acquisition and Tracking Unit (SATU)

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

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

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





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

The Star Acquisition and Tracking Unit (it is the CCD that tracks the star while it is occulted) Noise Equivalent Angle consists of the statistical angular variation of the SATU data above the atmosphere.

Statistics (in microradians) above 105 km are computed for every occultation, giving four values per occultation: one in the 'X' direction and one in the 'Y' direction for dark and bright limbs. A mean value per day in every direction and limb is calculated and monitored in order to assess instrument performance in terms of star pointing.

### 7.2.1 SATU NEA Statistics (table)

Statistics	SATU X (D)	SATU Y (D)	SATU X (B)	SATU Y (B)
Mean:	0.22652	-0.70335	0.20735	-0.69405
St. deviation:	0.40258	3.7934	0.78710	3.5057
Maximum:	2.8000	15.400	4.9000	14.200
Minimum:	-1.9000	-19.900	-4.2000	-21.300

Number of data:	24450.	24450.	62800.	62800.
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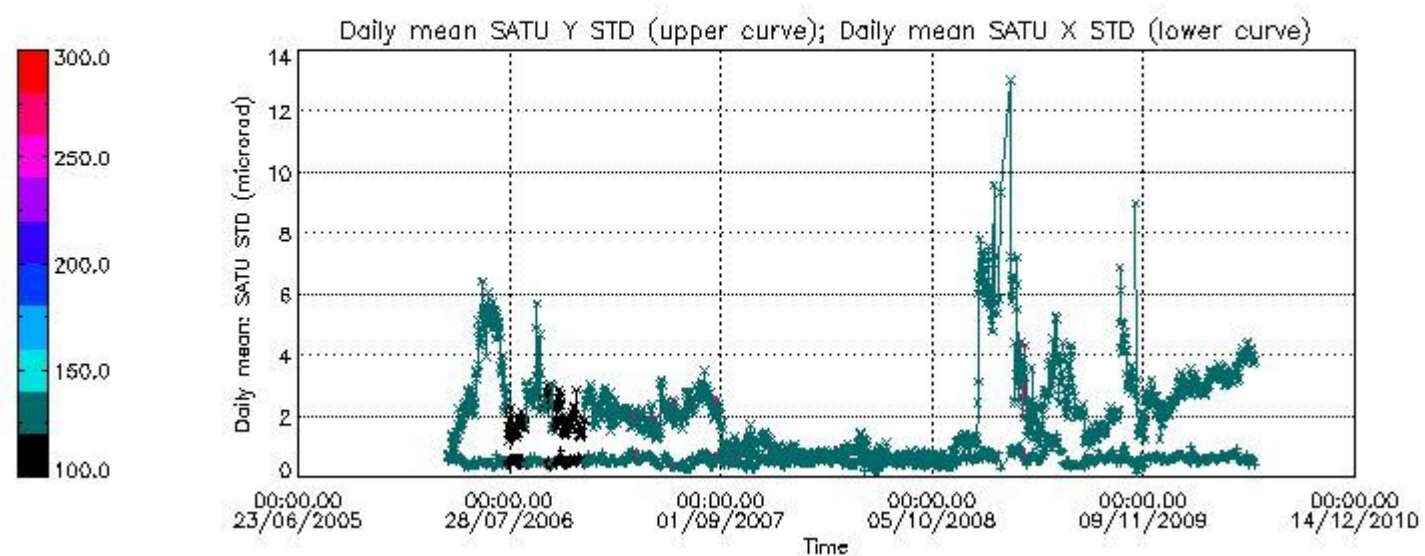
### 7.2.2 Trend of daily SATU NEA St. deviation since 1st April 2006 (dark limb)

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

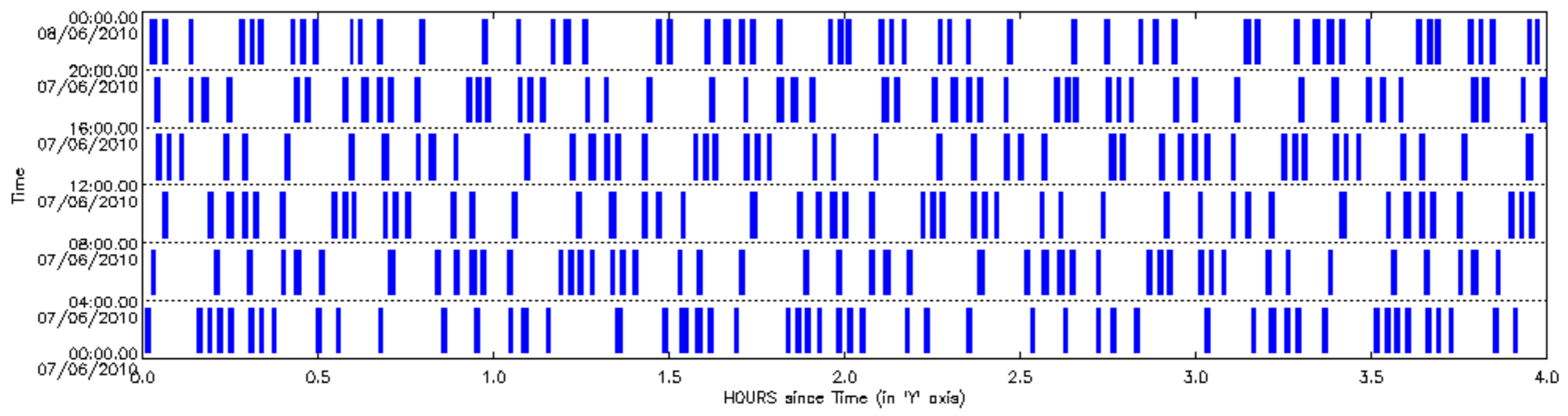
Lower curve: STD of SATU X axis



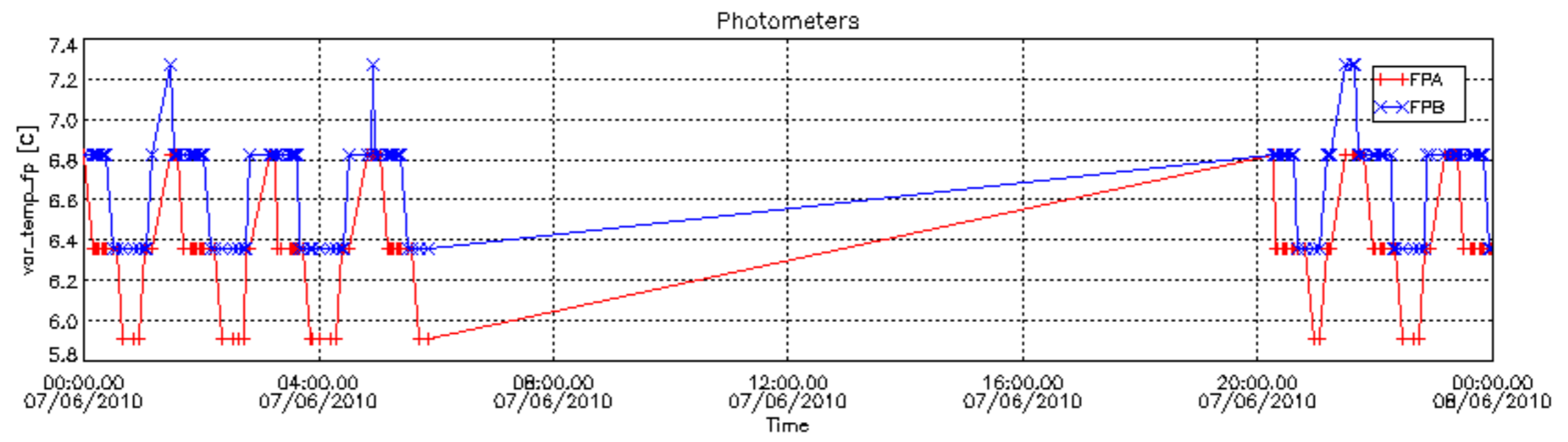
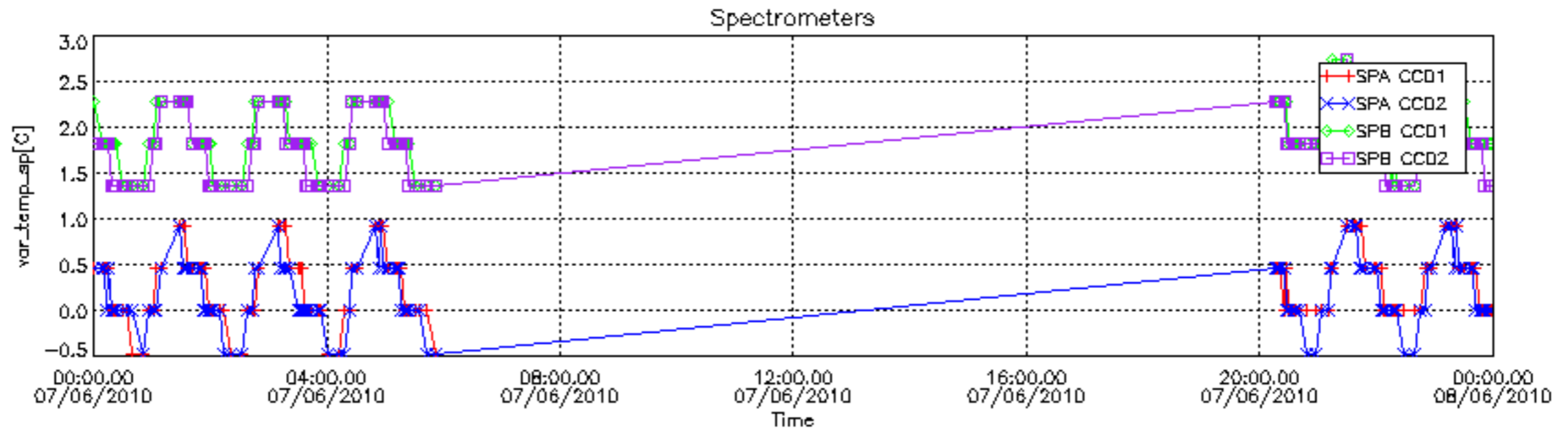
### 8. Auxiliary Data Files used for the production reported in section 2.4

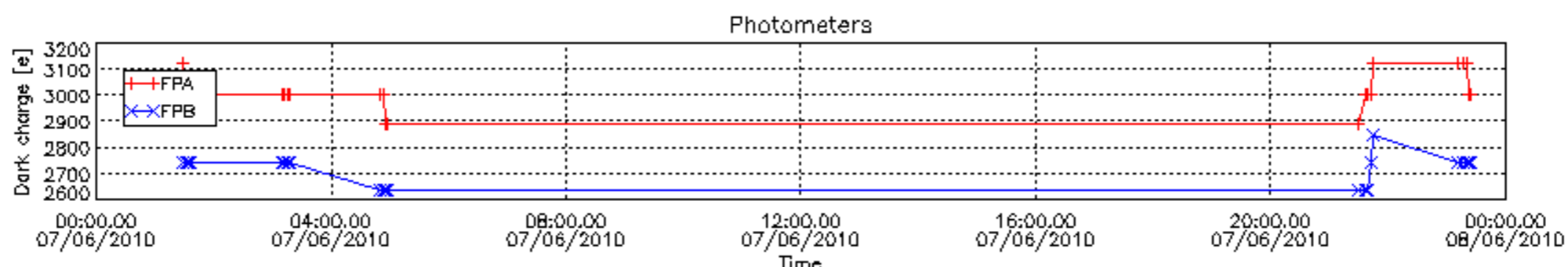
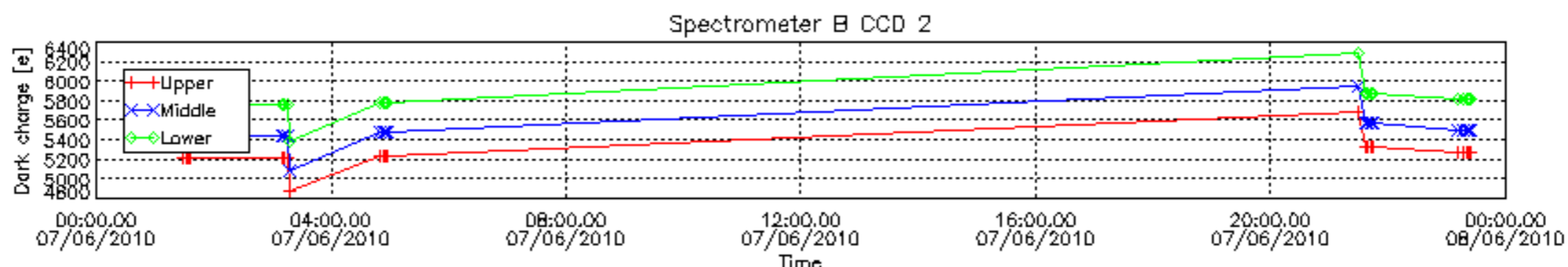
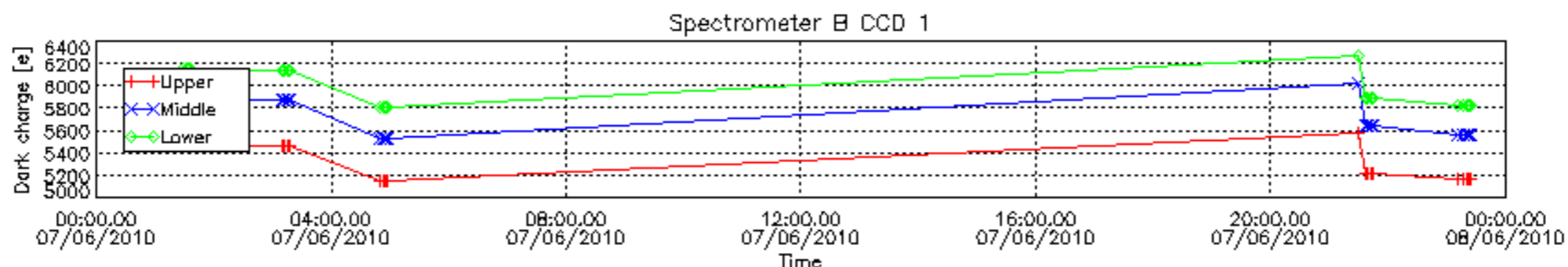
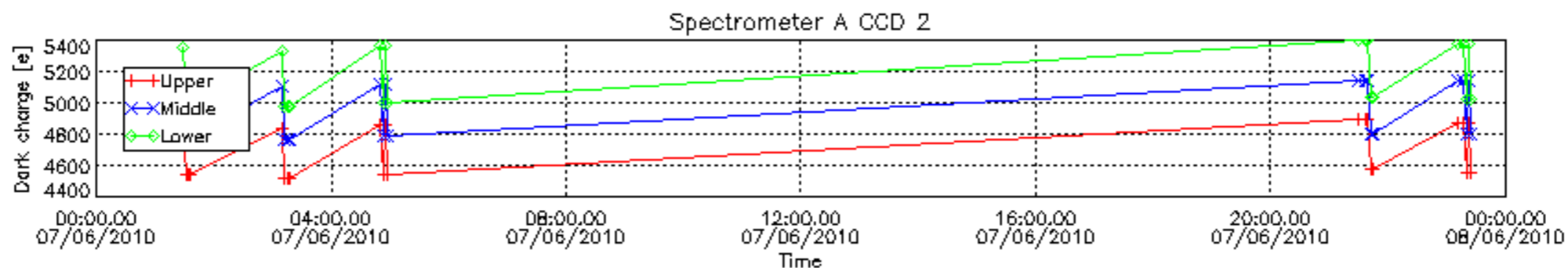
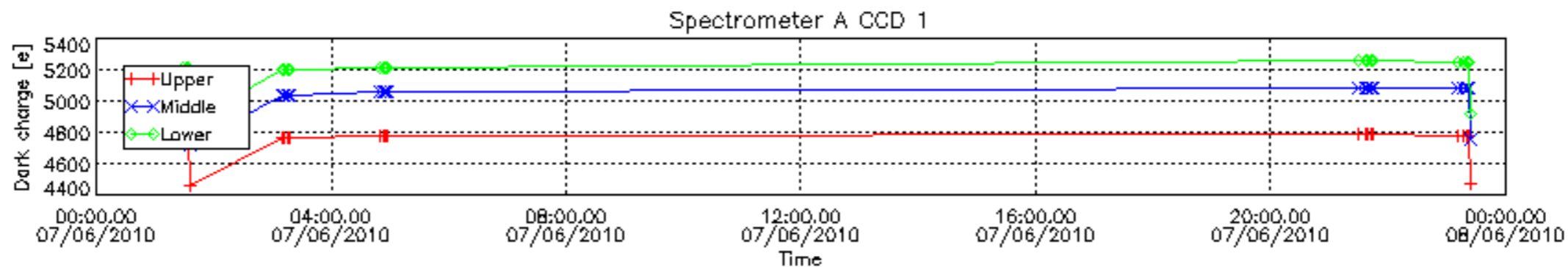
The number reported in the third column indicates since which file (see list in section 2.4) the corresponding auxiliary file has been used. The fourth column is the date of those product files.

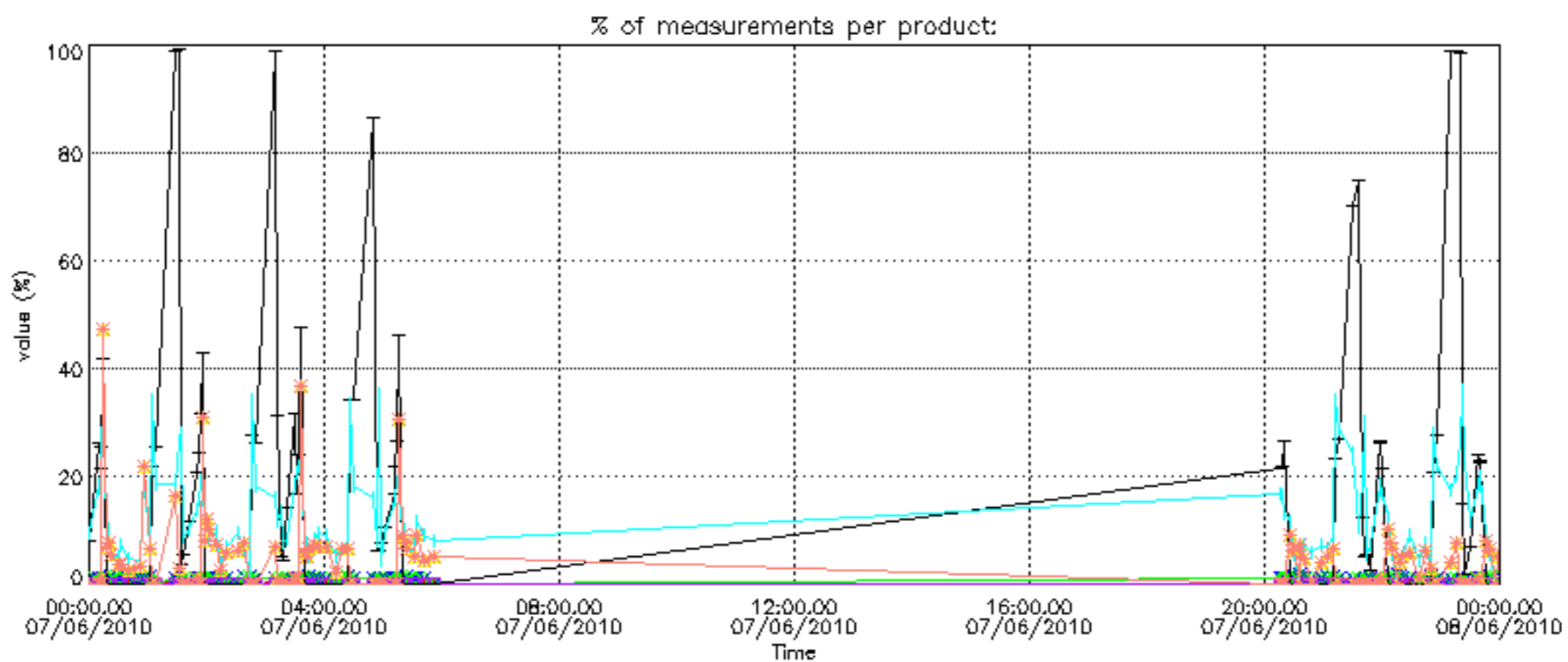
Type	Auxiliary Filename	Used since product	Used since product date
INST_PHYS_CHARACTERISTICS	GOM_INS_AXVIEC20091111_143220_20030716_120000_20500101_000000	1	07-JUN-2010 00:00:29
CALIBRATION_DATABASE	GOM_CAL_AXVIEC20100604_095219_20100603_000000_20500101_000000	1	07-JUN-2010 00:00:29
LEVEL-1B_PROC_CONFIG	GOM_PR1_AXVIEC20091111_145255_20020301_000000_20500101_000000	1	07-JUN-2010 00:00:29
STAR_CATALOGUE	GOM_CAT_AXVIEC20020121_161009_20020101_000000_20200101_000000	1	07-JUN-2010 00:00:29
STELLAR_SPECTRA_DATABANK	GOM_STS_AXVIEC20091111_151504_20020101_160000_20500101_000000	1	07-JUN-2010 00:00:29
ECMWF_FILE	AUX_ECF_AXNECM20100606_053356_20100606_210000_20100607_090000	1	07-JUN-2010 00:00:29
ECMWF_FILE	AUX_ECF_AXNECM20100606_171356_20100607_030000_20100607_150000	53	07-JUN-2010 04:17:56
ECMWF_FILE	MISSING	73	07-JUN-2010 20:16:32
OPTIONAL_ECMWF_FILE	MISSING	1	07-JUN-2010 00:00:29
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20100606_233520_000057382090_00087_43227_0500.N1	1	07-JUN-2010 00:00:29
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20100607_011617_000041442090_00088_43228_0501.N1	17	07-JUN-2010 01:28:48
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20100607_023040_000057382090_00089_43229_0502.N1	33	07-JUN-2010 02:37:21
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20100607_041137_000057382090_00090_43230_0503.N1	53	07-JUN-2010 04:17:56
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20100607_200759_000041442090_00100_43240_0504.N1	73	07-JUN-2010 20:16:32
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20100607_212222_000057382090_00100_43240_0505.N1	88	07-JUN-2010 21:29:34
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20100607_230319_000057382090_00101_43241_0506.N1	109	07-JUN-2010 23:10:11





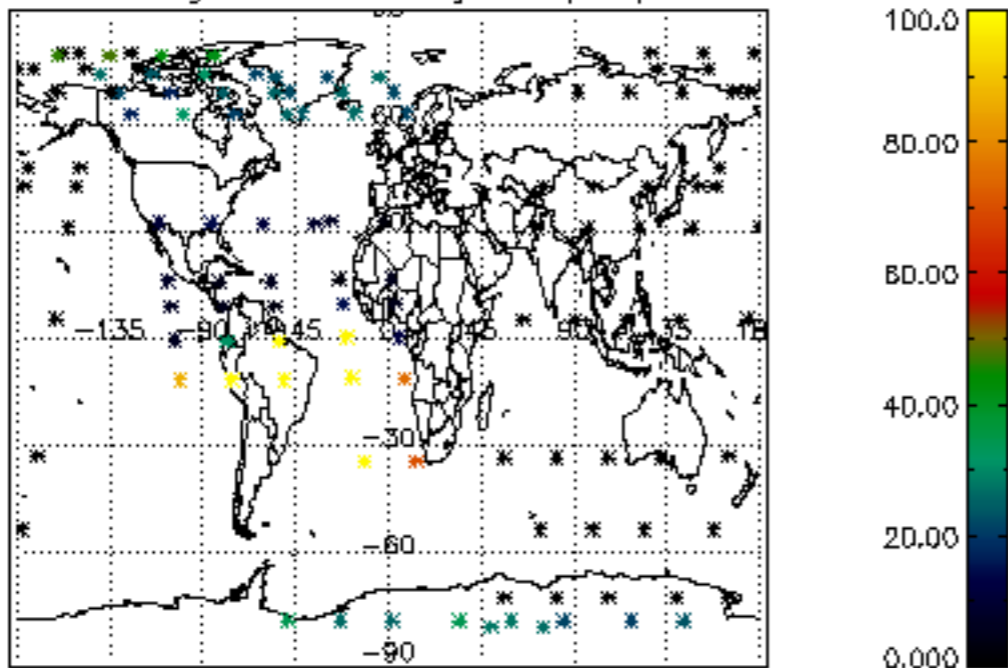




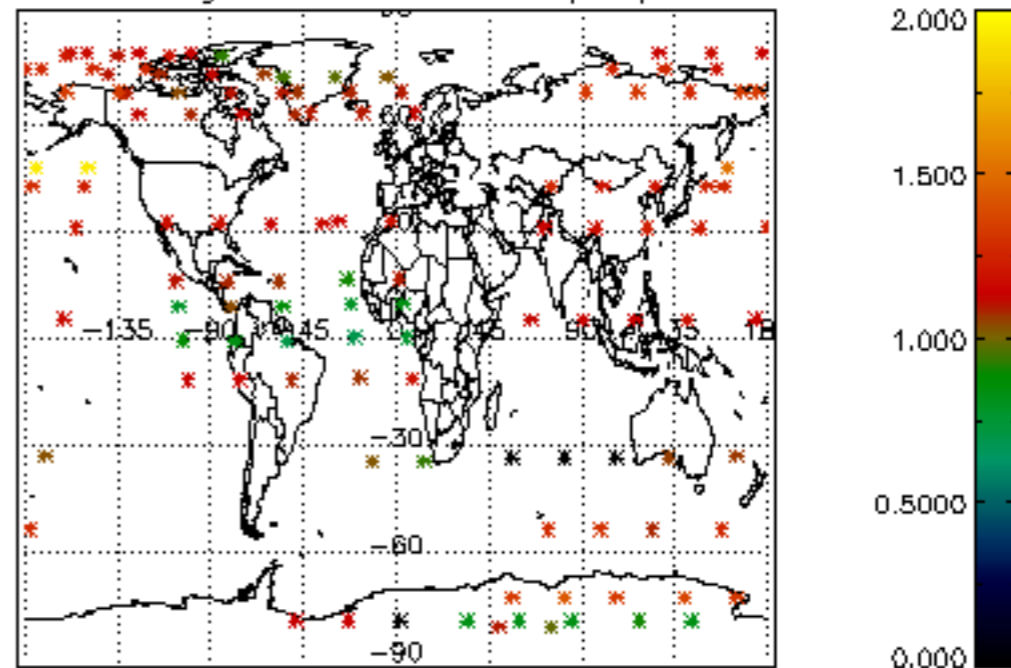




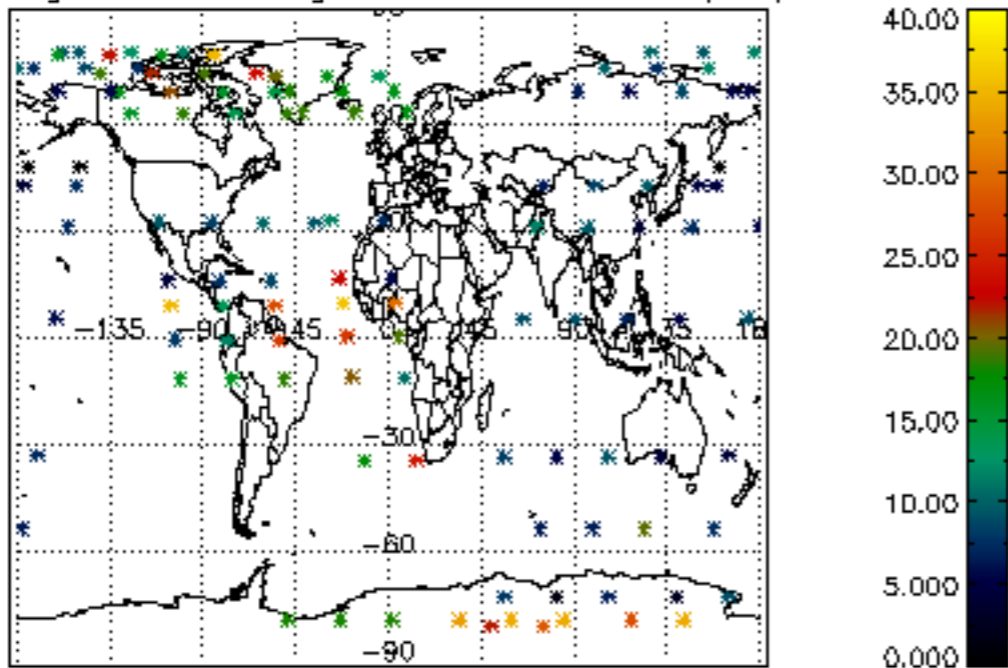
Percentage of cosmic ray hits per profile



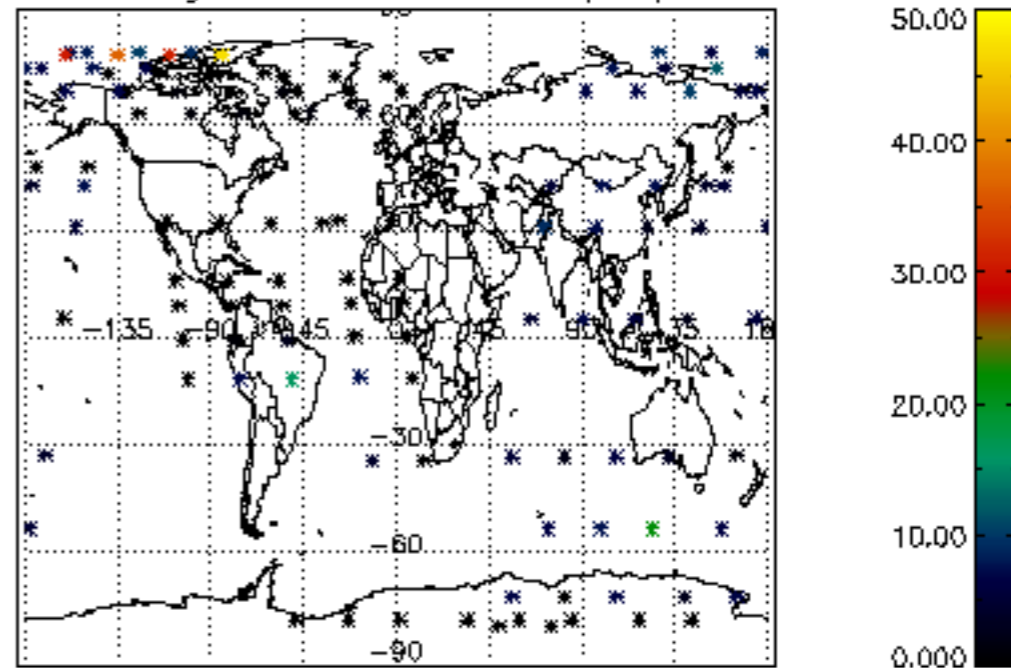
Percentage of datation errors per profile



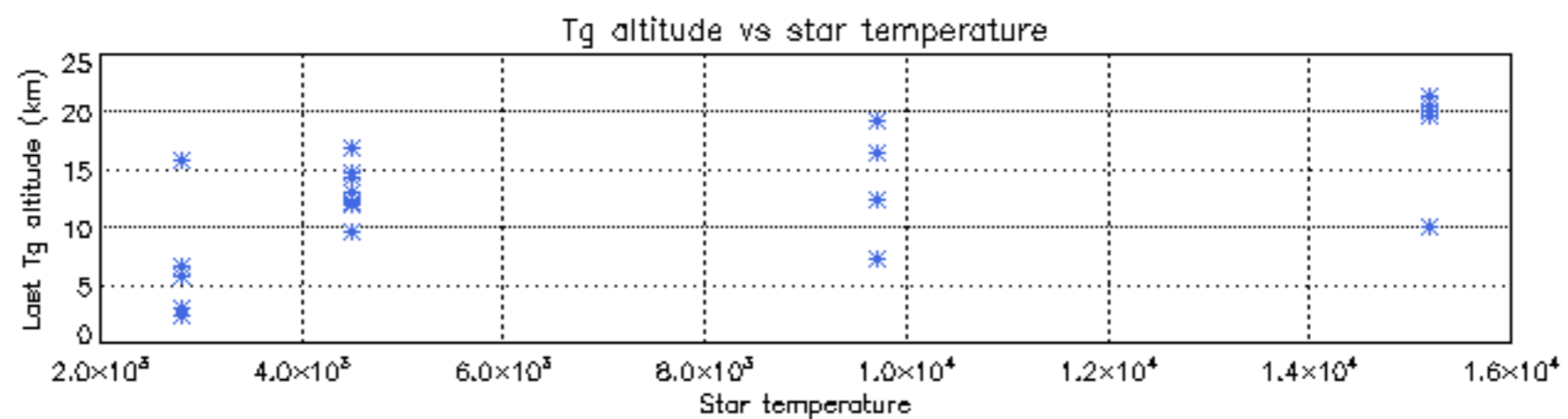
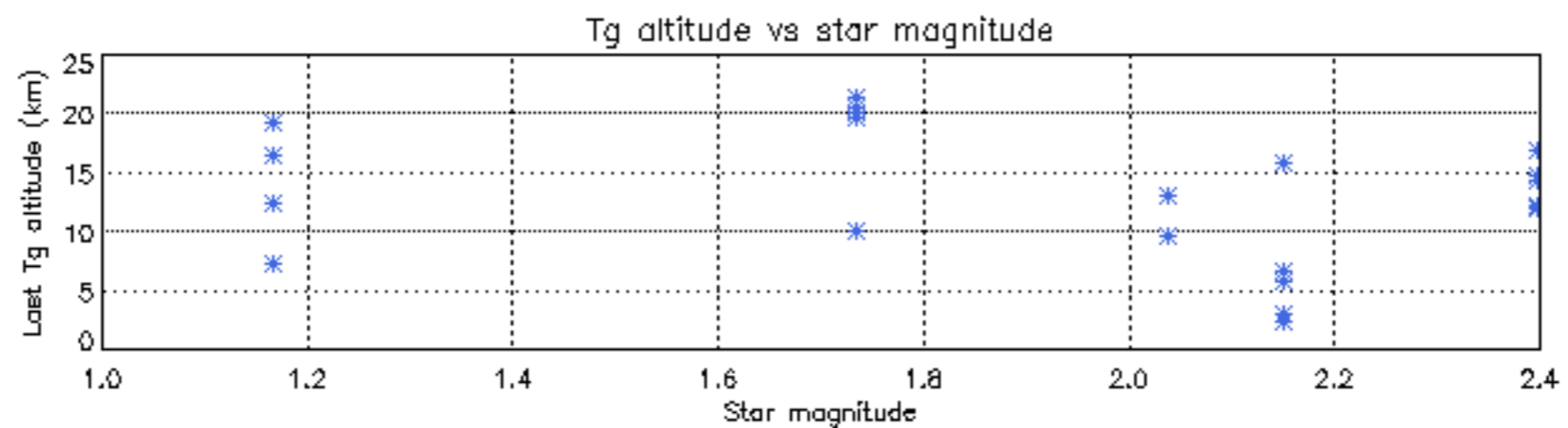
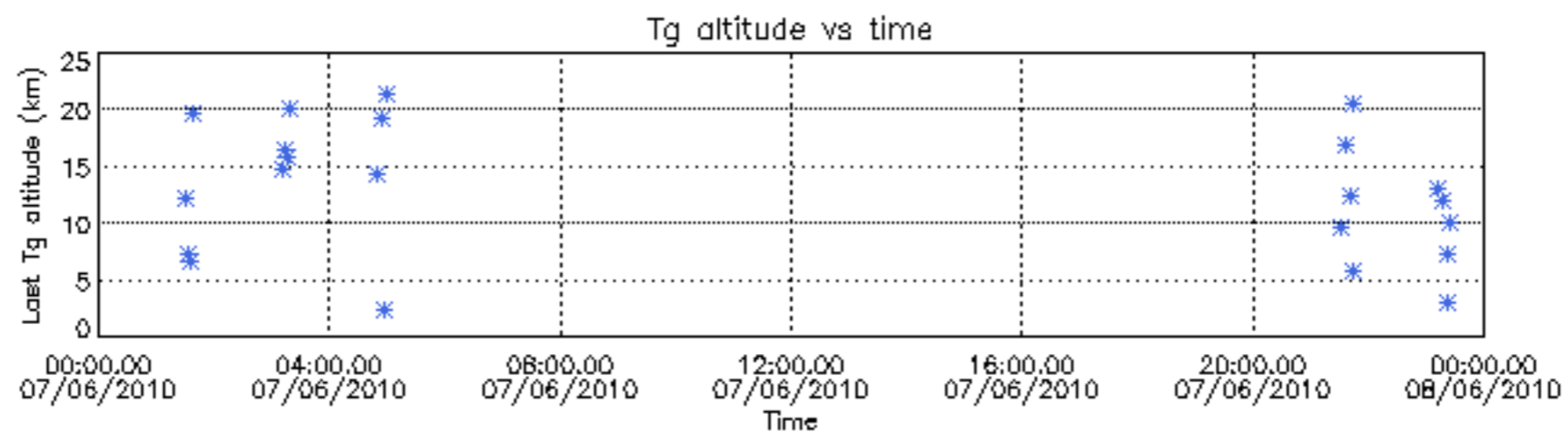
Percentage of star falling outside central band per profile



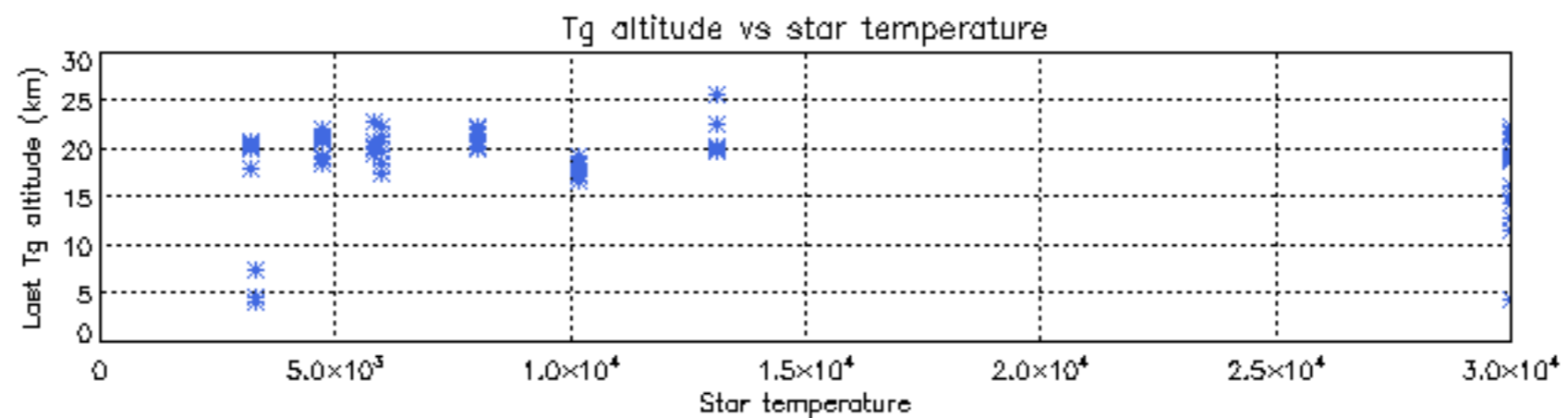
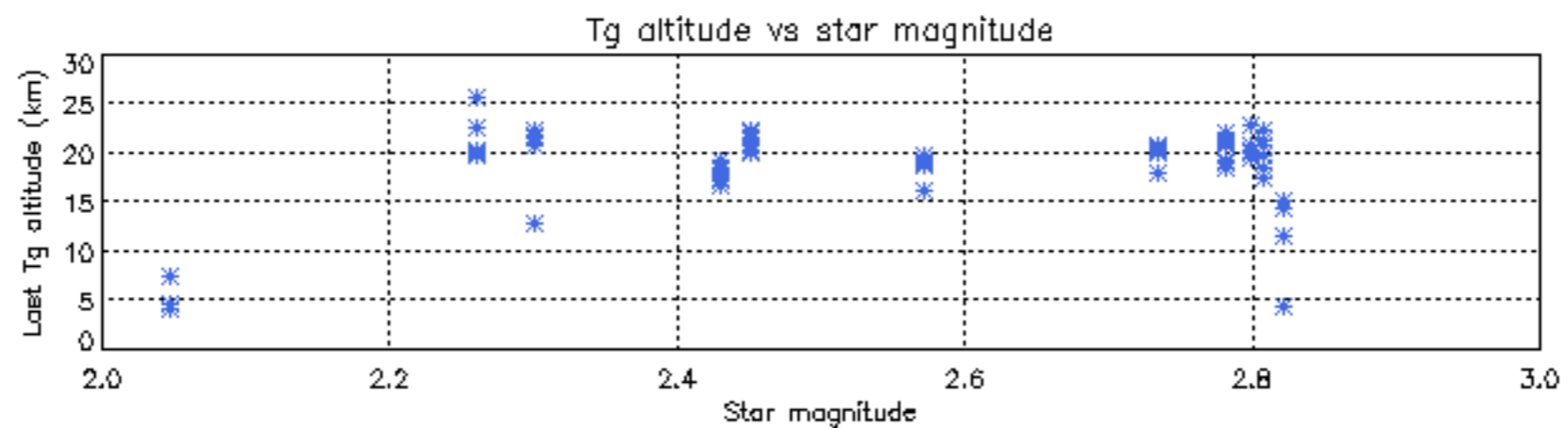
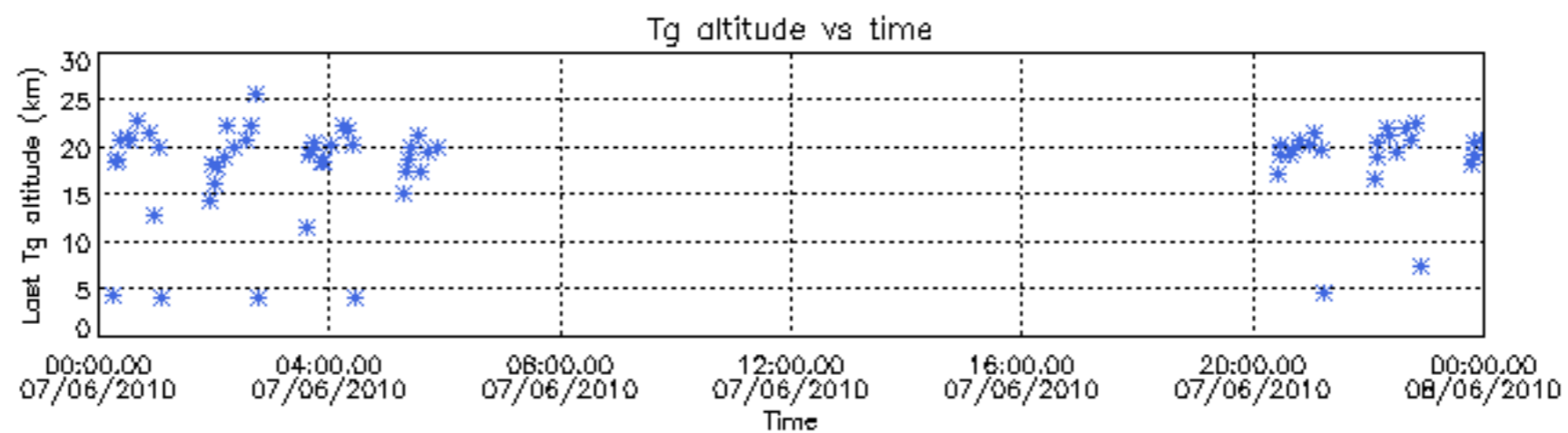
Percentage of saturation errors per profile



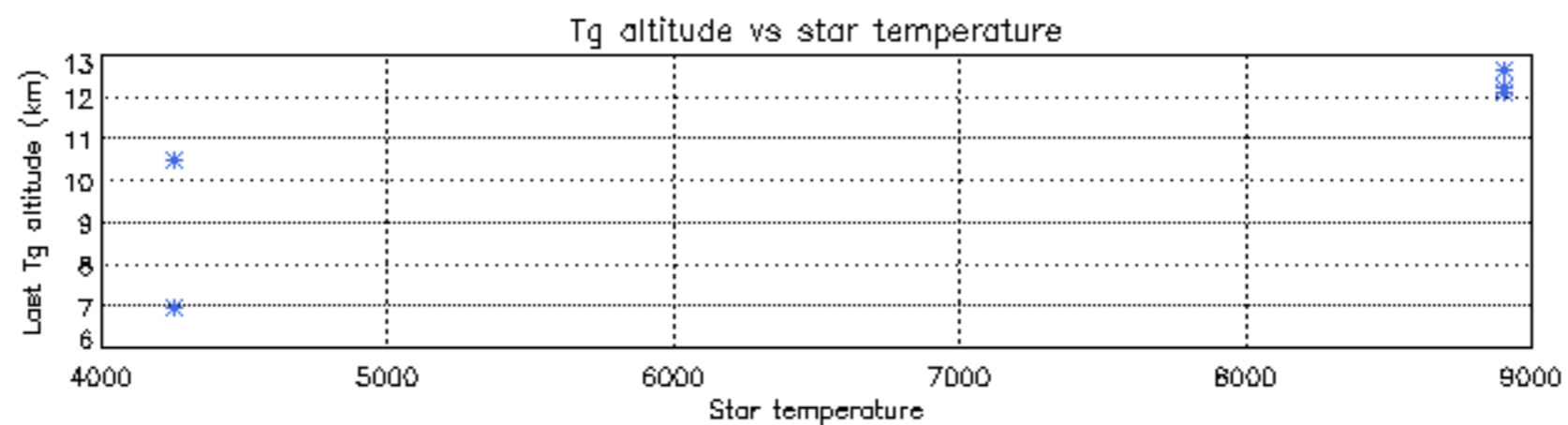
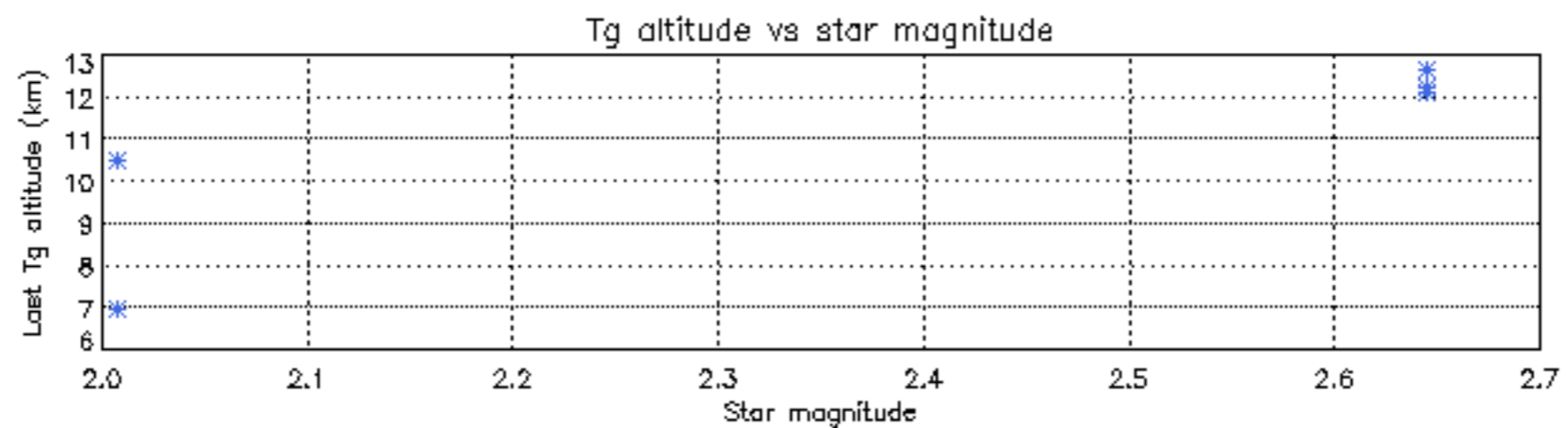
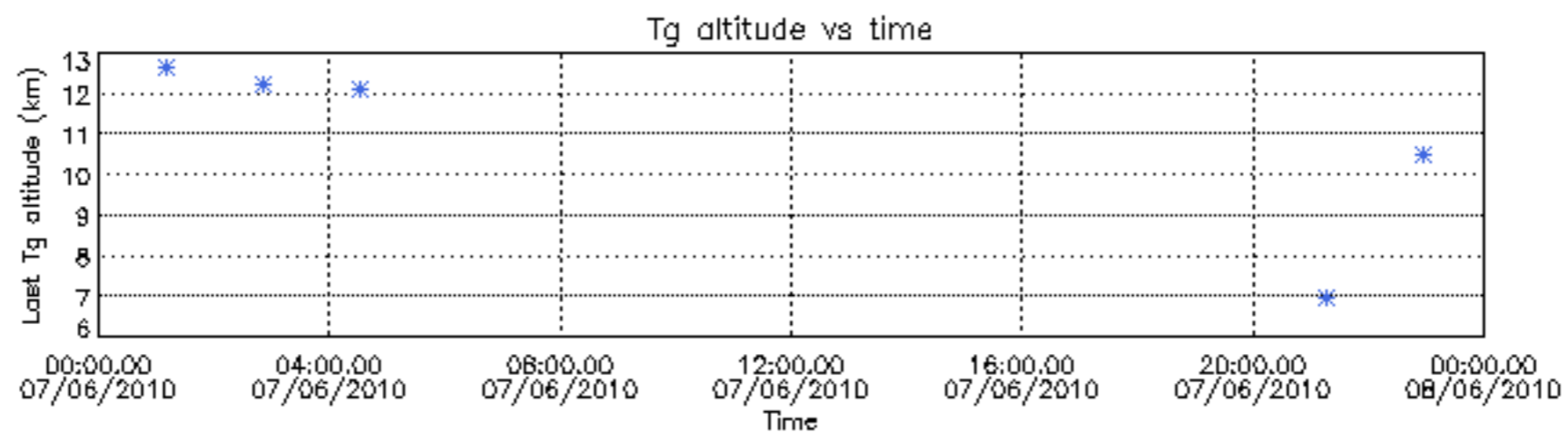
Tangent altitude at which the star is lost



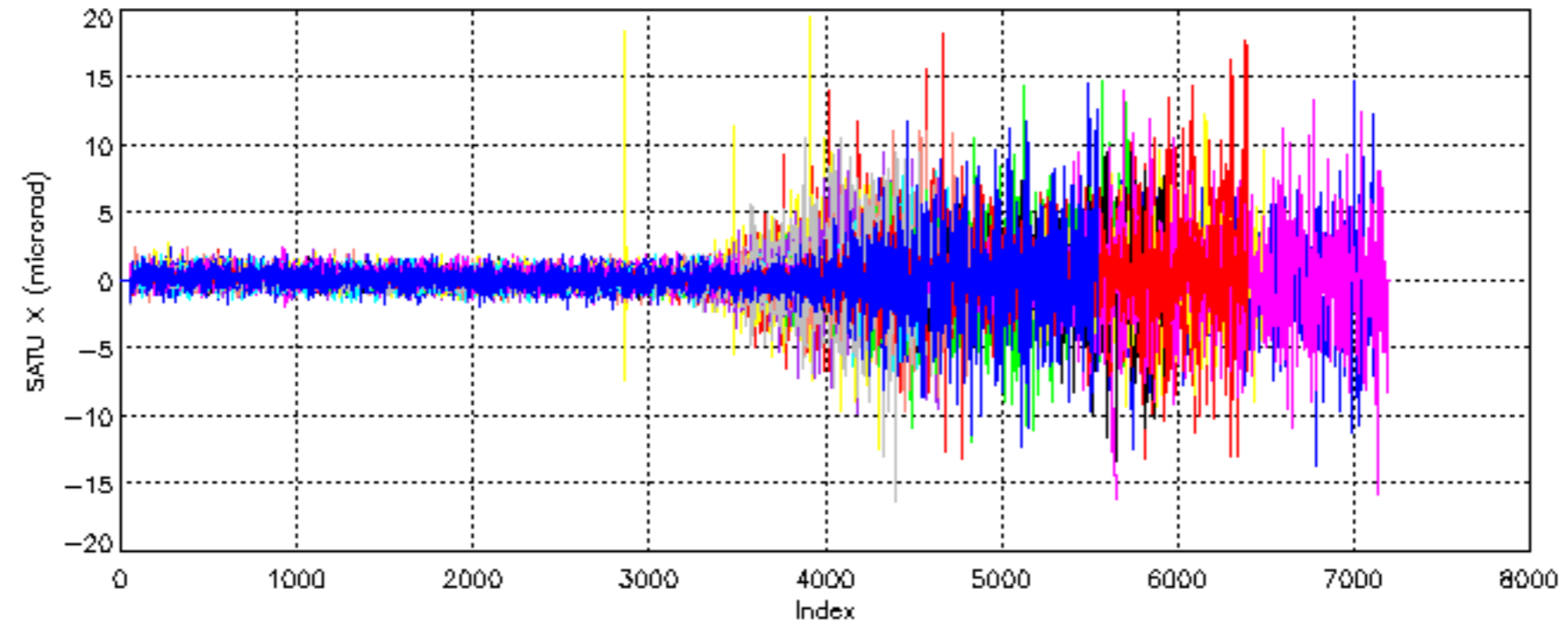
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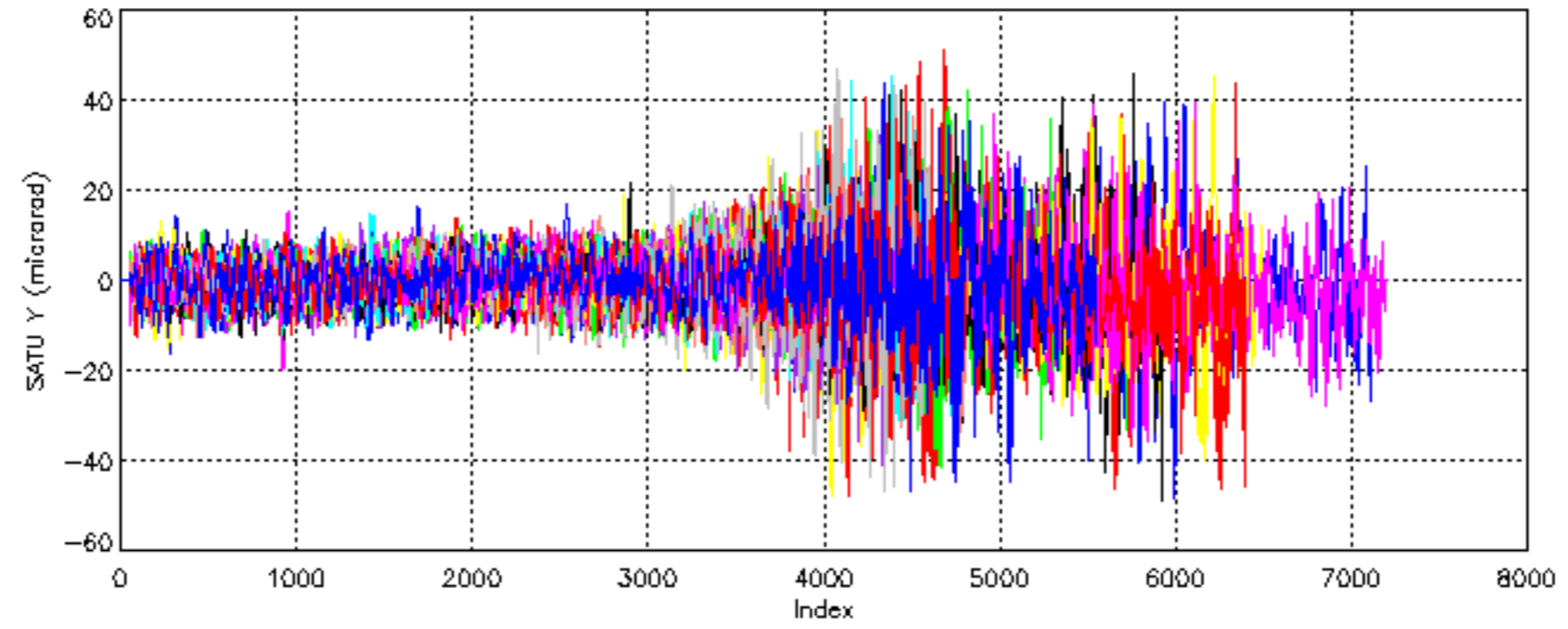


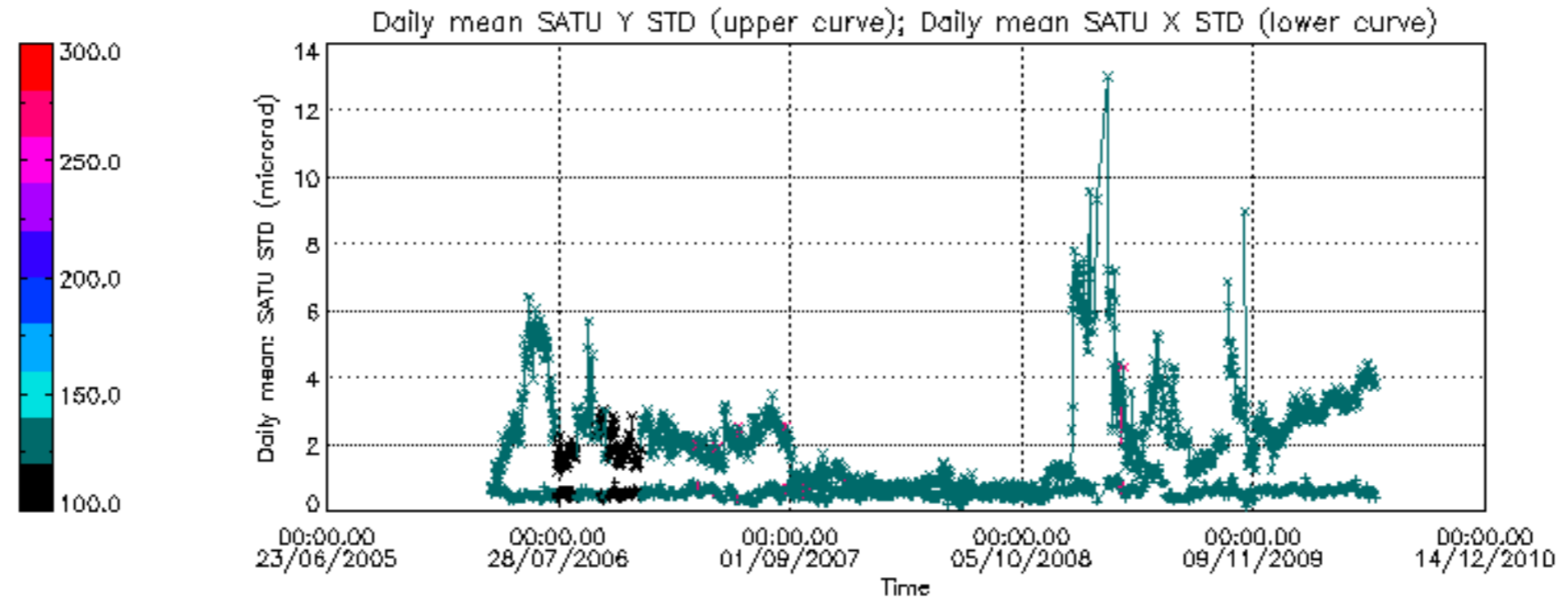
Tangent altitude at which the star is lost











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```

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 9; 3486.1; 16-JUN-2010 17:52:45; Bright; 48.5; 89; 5Alp Cep ; 2.45; 8000;occ; 97; 0;43367  
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 17; 5620.5; 19-JUN-2010 16:53:29; Dark ; 60.0; 52; 16Bet Cet ; 2.04; 4500;occ; 120; 0;43409  
 18; 5978.2; 19-JUN-2010 16:59:26; Dark ; 54.5; 84; Alp Phe ; 2.40; 4500;occ; 109; 0;43409  
 19; 6360.2; 19-JUN-2010 17:05:48; Dark ; 50.0; 63; Bet Gru ; 2.15; 2800;occ; 100; 0;43410  
 20; 6483.3; 19-JUN-2010 17:07:51; Dark ; 49.5; 31; Alp Gru ; 1.73; 15200;occ; 99; 0;43410  
 21; 6693.0; 19-JUN-2010 17:11:21; Dark ; 41.0; 45; Alp Pav ; 1.94; 26000;occ; 82; 0;43410

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1; 1224.3; 19-JUN-2010 17:20:48; Dark ; 45.0; 38; 20Eps Sgr ; 1.84; 11000;occ; 90; 0;43410  
 2; 1311.7; 19-JUN-2010 17:22:16; Dark ; 60.0; 116; 19Del Sgr ; 2.70; 4100;occ; 120; 0;43410  
 3; 1619.9; 19-JUN-2010 17:27:24; Bright; 40.0; 86; 35Eta Oph ; 2.43; 10200;occ; 80; 0;43410  
 4; 1996.5; 19-JUN-2010 17:33:41; Bright; 41.5; 126; 60Bet Oph ; 2.77; 4250;occ; 83; 0;43410  
 5; 2144.2; 19-JUN-2010 17:36:08; Bright; 45.5; 59; 55Alp Oph ; 2.08; 8900;occ; 91; 0;43410  
 6; 2274.2; 19-JUN-2010 17:38:18; Bright; 40.0; 127; 27Bet Her ; 2.78; 4700;occ; 80; 0;43410  
 7; 2451.3; 19-JUN-2010 17:41:15; Bright; 40.0; 133; 40Zet Her ; 2.81; 6000;occ; 80; 0;43410  
 8; 2849.1; 19-JUN-2010 17:47:53; Bright; 39.5; 130; 23Bet Dra ; 2.80; 5800;occ; 79; 0;43410  
 9; 2955.8; 19-JUN-2010 17:49:40; Bright; 38.0; 119; 14Eta Dra ; 2.73; 4700;occ; 76; 0;43410  
 10; 3456.5; 19-JUN-2010 17:58:01; Bright; 49.0; 89; 5Alp Cep ; 2.45; 8000;occ; 98; 0;43410  
 11; 3859.1; 19-JUN-2010 18:04:43; Bright; 65.0; 74; 11Bet Cas ; 2.27; 6600;occ; 130; 0;43410  
 12; 3946.7; 19-JUN-2010 18:06:11; Bright; 64.0; 68; 18Alp Cas ; 2.22; 4500;occ; 128; 0;43410  
 13; 4064.0; 19-JUN-2010 18:08:08; Bright; 53.0; 160; 23Gam Per ; 2.93; 4700;occ; 106; 0;43410  
 14; 4270.6; 19-JUN-2010 18:11:35; Bright; 43.0; 73; 57Gam1And ; 2.26; 13100;occ; 86; 0;43410  
 15; 4410.4; 19-JUN-2010 18:13:55; Dark ; 43.5; 173; 4Bet Tri ; 3.00; 8900;occ; 87; 0;43410  
 16; 4632.9; 19-JUN-2010 18:17:37; Dark ; 49.0; 50; 13Alp Ari ; 2.01; 4250;occ; 98; 0;43410  
 17; 5383.6; 19-JUN-2010 18:30:08; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;43410  
 18; 5621.5; 19-JUN-2010 18:34:06; Dark ; 61.0; 52; 16Bet Cet ; 2.04; 4500;occ; 122; 0;43410  
 19; 5979.0; 19-JUN-2010 18:40:03; Dark ; 45.5; 84; Alp Phe ; 2.40; 4500;occ; 91; 0;43410  
 20; 6361.0; 19-JUN-2010 18:46:25; Dark ; 50.0; 63; Bet Gru ; 2.15; 2800;occ; 100; 0;43411  
 21; 6484.3; 19-JUN-2010 18:48:28; Dark ; 47.5; 31; Alp Gru ; 1.73; 15200;occ; 95; 0;43411  
 22; 6693.4; 19-JUN-2010 18:51:57; Dark ; 41.5; 45; Alp Pav ; 1.94; 26000;occ; 83; 0;43411

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 2; 1311.7; 19-JUN-2010 19:02:52; Dark ; 46.0; 116; 19Del Sgr ; 2.70; 4100;occ; 92; 0;43411  
 3; 1620.2; 19-JUN-2010 19:08:00; Bright; 39.0; 86; 35Eta Oph ; 2.43; 10200;occ; 78; 0;43411  
 4; 1996.7; 19-JUN-2010 19:14:17; Bright; 42.5; 126; 60Bet Oph ; 2.77; 4250;occ; 85; 0;43411  
 5; 2144.0; 19-JUN-2010 19:16:44; Bright; 42.0; 59; 55Alp Oph ; 2.08; 8900;occ; 84; 0;43411  
 6; 2274.0; 19-JUN-2010 19:18:54; Bright; 36.5; 127; 27Bet Her ; 2.78; 4700;occ; 73; 0;43411  
 7; 2451.1; 19-JUN-2010 19:21:51; Bright; 36.0; 133; 40Zet Her ; 2.81; 6000;occ; 72; 0;43411  
 8; 2848.5; 19-JUN-2010 19:28:29; Bright; 40.5; 130; 23Bet Dra ; 2.80; 5800;occ; 81; 0;43411  
 9; 2955.8; 19-JUN-2010 19:30:16; Bright; 37.0; 119; 14Eta Dra ; 2.73; 4700;occ; 74; 0;43411  
 10; 3455.7; 19-JUN-2010 19:38:36; Bright; 48.5; 89; 5Alp Cep ; 2.45; 8000;occ; 97; 0;43411  
 11; 3858.8; 19-JUN-2010 19:45:19; Bright; 47.0; 74; 11Bet Cas ; 2.27; 6600;occ; 94; 0;43411  
 12; 3946.2; 19-JUN-2010 19:46:46; Bright; 43.5; 68; 18Alp Cas ; 2.22; 4500;occ; 87; 0;43411  
 13; 4064.0; 19-JUN-2010 19:48:44; Bright; 34.5; 160; 23Gam Per ; 2.93; 4700;occ; 69; 0;43411  
 14; 4270.4; 19-JUN-2010 19:52:10; Bright; 41.5; 73; 57Gam1And ; 2.26; 13100;occ; 83; 0;43411  
 15; 4410.7; 19-JUN-2010 19:54:31; Dark ; 41.5; 173; 4Bet Tri ; 3.00; 8900;occ; 83; 0;43411  
 16; 4632.9; 19-JUN-2010 19:58:13; Dark ; 48.5; 50; 13Alp Ari ; 2.01; 4250;occ; 97; 0;43411  
 17; 5384.1; 19-JUN-2010 20:10:44; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;43411  
 18; 5622.9; 19-JUN-2010 20:14:43; Dark ; 65.0; 52; 16Bet Cet ; 2.04; 4500;occ; 130; 0;43411  
 19; 5979.8; 19-JUN-2010 20:20:40; Dark ; 56.0; 84; Alp Phe ; 2.40; 4500;occ; 112; 0;43411  
 20; 6362.1; 19-JUN-2010 20:27:02; Dark ; 56.0; 63; Bet Gru ; 2.15; 2800;occ; 112; 0;43412  
 21; 6485.0; 19-JUN-2010 20:29:05; Dark ; 49.0; 31; Alp Gru ; 1.73; 15200;occ; 98; 0;43412  
 22; 6694.1; 19-JUN-2010 20:32:34; Dark ; 41.0; 45; Alp Pav ; 1.94; 26000;occ; 82; 0;43412

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 3; 1620.0; 19-JUN-2010 20:48:36; Bright; 39.5; 86; 35Eta Oph ; 2.43; 10200;occ; 79; 0;43412  
 4; 1996.2; 19-JUN-2010 20:54:52; Bright; 41.5; 126; 60Bet Oph ; 2.77; 4250;occ; 83; 0;43412  
 5; 2143.6; 19-JUN-2010 20:57:20; Bright; 42.0; 59; 55Alp Oph ; 2.08; 8900;occ; 84; 0;43412  
 6; 2274.1; 19-JUN-2010 20:59:30; Bright; 36.5; 127; 27Bet Her ; 2.78; 4700;occ; 73; 0;43412  
 7; 2451.0; 19-JUN-2010 21:02:27; Bright; 36.0; 133; 40Zet Her ; 2.81; 6000;occ; 72; 0;43412  
 8; 2848.2; 19-JUN-2010 21:09:04; Bright; 41.0; 130; 23Bet Dra ; 2.80; 5800;occ; 82; 0;43412  
 9; 2955.8; 19-JUN-2010 21:10:52; Bright; 53.0; 119; 14Eta Dra ; 2.73; 4700;occ; 106; 0;43412  
 10; 3455.2; 19-JUN-2010 21:19:11; Bright; 49.0; 89; 5Alp Cep ; 2.45; 8000;occ; 98; 0;43412  
 11; 3858.4; 19-JUN-2010 21:25:54; Bright; 43.5; 74; 11Bet Cas ; 2.27; 6600;occ; 87; 0;43412  
 12; 3945.8; 19-JUN-2010 21:27:22; Bright; 45.5; 68; 18Alp Cas ; 2.22; 4500;occ; 91; 0;43412  
 13; 4064.1; 19-JUN-2010 21:29:20; Bright; 53.0; 160; 23Gam Per ; 2.93; 4700;occ; 106; 0;43412  
 14; 4270.3; 19-JUN-2010 21:32:46; Bright; 44.0; 73; 57Gam1And ; 2.26; 13100;occ; 88; 0;43412  
 15; 4410.5; 19-JUN-2010 21:35:07; Dark ; 44.0; 173; 4Bet Tri ; 3.00; 8900;occ; 88; 0;43412  
 16; 4633.3; 19-JUN-2010 21:38:49; Dark ; 51.0; 50; 13Alp Ari ; 2.01; 4250;occ; 102; 0;43412

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 3; -54.8; 19-JUN-2010 22:01:17; Dark ; 46.0; 84; Alp Phe ; 2.40; 4500;occ; 92; 0;43412  
 4; 326.8; 19-JUN-2010 22:07:39; Dark ; 52.0; 63; Bet Gru ; 2.15; 2800;occ; 104; 0;43413  
 5; 449.9; 19-JUN-2010 22:09:42; Dark ; 47.5; 31; Alp Gru ; 1.73; 15200;occ; 95; 0;43413  
 6; 658.8; 19-JUN-2010 22:13:11; Dark ; 41.0; 45; Alp Pav ; 1.94; 26000;occ; 82; 0;43413  
 7; 1225.1; 19-JUN-2010 22:22:37; Dark ; 48.5; 38; 20Eps Sgr ; 1.84; 11000;occ; 97; 0;43413  
 8; 1312.7; 19-JUN-2010 22:24:05; Dark ; 47.5; 116; 19Del Sgr ; 2.70; 4100;occ; 95; 0;43413  
 9; 1620.3; 19-JUN-2010 22:29:12; Bright; 39.5; 86; 35Eta Oph ; 2.43; 10200;occ; 79; 0;43413  
 10; 1996.1; 19-JUN-2010 22:35:28; Bright; 41.5; 126; 60Bet Oph ; 2.77; 4250;occ; 83; 0;43413  
 11; 2143.4; 19-JUN-2010 22:37:55; Bright; 42.0; 59; 55Alp Oph ; 2.08; 8900;occ; 84; 0;43413  
 12; 2273.9; 19-JUN-2010 22:40:06; Bright; 41.0; 127; 27Bet Her ; 2.78; 4700;occ; 82; 0;43413  
 13; 2451.1; 19-JUN-2010 22:43:03; Bright; 40.0; 133; 40Zet Her ; 2.81; 6000;occ; 80; 0;43413  
 14; 2848.0; 19-JUN-2010 22:49:40; Bright; 39.5; 130; 23Bet Dra ; 2.80; 5800;occ; 79; 0;43413  
 15; 2955.6; 19-JUN-2010 22:51:28; Bright; 38.0; 119; 14Eta Dra ; 2.73; 4700;occ; 76; 0;43413  
 16; 3454.3; 19-JUN-2010 22:59:46; Bright; 48.5; 89; 5Alp Cep ; 2.45; 8000;occ; 97; 0;43413  
 17; 3857.9; 19-JUN-2010 23:06:30; Bright; 66.0; 74; 11Bet Cas ; 2.27; 6600;occ; 132; 0;43413  
 18; 3945.6; 19-JUN-2010 23:07:58; Bright; 58.0; 68; 18Alp Cas ; 2.22; 4500;occ; 116; 0;43413  
 19; 4064.0; 19-JUN-2010 23:09:56; Bright; 53.0; 160; 23Gam Per ; 2.93; 4700;occ; 106; 0;43413  
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 21; 4410.7; 19-JUN-2010 23:15:43; Dark ; 43.0; 173; 4Bet Tri ; 3.00; 8900;occ; 86; 0;43413  
 22; 4633.6; 19-JUN-2010 23:19:26; Dark ; 50.5; 50; 13Alp Ari ; 2.01; 4250;occ; 101; 0;43413

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 4; 327.9; 19-JUN-2010 23:48:16; Dark ; 49.0; 63; Bet Gru ; 2.15; 2800;occ; 98; 0;43414  
 5; 451.1; 19-JUN-2010 23:50:19; Dark ; 49.5; 31; Alp Gru ; 1.73; 15200;occ; 99; 0;43414

6; 659.5; 19-JUN-2010 23:53:47; Dark ; 42.0; 45; Alp Pav ; 1.94; 26000;occ; 84; 0;43414  
7; 1225.7; 20-JUN-2010 00:03:13; Dark ; 45.5; 38; 20Eps Sgr ; 1.84; 11000;occ; 91; 0;43414  
8; 1312.8; 20-JUN-2010 00:04:41; Dark ; 49.5; 116; 19Del Sgr ; 2.70; 4100;occ; 99; 0;43414  
9; 1620.5; 20-JUN-2010 00:09:48; Bright; 38.0; 86; 35Eta Oph ; 2.43; 10200;occ; 76; 0;43414  
10; 1995.9; 20-JUN-2010 00:16:04; Bright; 41.5; 126; 60Bet Oph ; 2.77; 4250;occ; 83; 0;43414  
11; 2143.2; 20-JUN-2010 00:18:31; Bright; 43.5; 59; 55Alp Oph ; 2.08; 8900;occ; 87; 0;43414  
12; 2273.8; 20-JUN-2010 00:20:42; Bright; 37.0; 127; 27Bet Her ; 2.78; 4700;occ; 74; 0;43414  
13; 2450.9; 20-JUN-2010 00:23:39; Bright; 38.0; 133; 40Zet Her ; 2.81; 6000;occ; 76; 0;43414  
14; 2847.3; 20-JUN-2010 00:30:15; Bright; 37.0; 130; 23Bet Dra ; 2.80; 5800;occ; 74; 0;43414  
15; 2955.7; 20-JUN-2010 00:32:04; Bright; 37.5; 119; 14Eta Dra ; 2.73; 4700;occ; 75; 0;43414  
16; 3453.6; 20-JUN-2010 00:40:21; Bright; 47.5; 89; 5Alp Cep ; 2.45; 8000;occ; 95; 0;43414  
17; 3857.3; 20-JUN-2010 00:47:05; Bright; 45.5; 74; 11Bet Cas ; 2.27; 6600;occ; 91; 0;43414  
18; 3945.2; 20-JUN-2010 00:48:33; Bright; 47.5; 68; 18Alp Cas ; 2.22; 4500;occ; 95; 0;43414  
19; 4064.2; 20-JUN-2010 00:50:32; Bright; 34.0; 160; 23Gam Per ; 2.93; 4700;occ; 68; 0;43414  
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22; 4633.8; 20-JUN-2010 01:00:02; Dark ; 48.5; 50; 13Alp Ari ; 2.01; 4250;occ; 97; 0;43414  
23; 5385.8; 20-JUN-2010 01:12:34; Dark ; 20.0; 0; ; 0.00; 0;occ; 40; 0;43414

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4; 328.8; 20-JUN-2010 01:28:52; Dark ; 54.5; 63; Bet Gru ; 2.15; 2800;occ; 109; 0;43415  
5; 452.1; 20-JUN-2010 01:30:56; Dark ; 50.5; 31; Alp Gru ; 1.73; 15200;occ; 101; 0;43415  
6; 659.6; 20-JUN-2010 01:34:23; Dark ; 43.5; 45; Alp Pav ; 1.94; 26000;occ; 87; 0;43415  
7; 1226.0; 20-JUN-2010 01:43:50; Dark ; 48.0; 38; 20Eps Sgr ; 1.84; 11000;occ; 96; 0;43415  
8; 1312.8; 20-JUN-2010 01:45:17; Dark ; 49.0; 116; 19Del Sgr ; 2.70; 4100;occ; 98; 0;43415  
9; 1620.5; 20-JUN-2010 01:50:24; Bright; 38.5; 86; 35Eta Oph ; 2.43; 10200;occ; 77; 0;43415  
10; 1995.9; 20-JUN-2010 01:56:40; Bright; 43.5; 126; 60Bet Oph ; 2.77; 4250;occ; 87; 0;43415  
11; 2142.9; 20-JUN-2010 01:59:07; Bright; 42.5; 59; 55Alp Oph ; 2.08; 8900;occ; 85; 0;43415  
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13; 2450.8; 20-JUN-2010 02:04:14; Bright; 39.5; 133; 40Zet Her ; 2.81; 6000;occ; 79; 0;43415  
14; 2847.3; 20-JUN-2010 02:10:51; Bright; 40.0; 130; 23Bet Dra ; 2.80; 5800;occ; 80; 0;43415  
15; 2955.2; 20-JUN-2010 02:12:39; Bright; 34.5; 119; 14Eta Dra ; 2.73; 4700;occ; 69; 0;43415  
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17; 3856.9; 20-JUN-2010 02:27:41; Bright; 46.5; 74; 11Bet Cas ; 2.27; 6600;occ; 93; 0;43415  
18; 3944.9; 20-JUN-2010 02:29:09; Bright; 43.5; 68; 18Alp Cas ; 2.22; 4500;occ; 87; 0;43415  
19; 4064.1; 20-JUN-2010 02:31:08; Bright; 45.0; 160; 23Gam Per ; 2.93; 4700;occ; 90; 0;43415  
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22; 4634.0; 20-JUN-2010 02:40:38; Dark ; 51.0; 50; 13Alp Ari ; 2.01; 4250;occ; 102; 0;43415  
23; 5386.4; 20-JUN-2010 02:53:10; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;43415  
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27; 6489.0; 20-JUN-2010 03:11:33; Dark ; 49.0; 31; Alp Gru ; 1.73; 15200;occ; 98; 0;43416  
28; 6696.4; 20-JUN-2010 03:15:00; Dark ; 44.5; 45; Alp Pav ; 1.94; 26000;occ; 89; 0;43416  
29; 7262.2; 20-JUN-2010 03:24:26; Dark ; 48.0; 38; 20Eps Sgr ; 1.84; 11000;occ; 96; 0;43416  
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31; 7656.9; 20-JUN-2010 03:31:01; Bright; 39.5; 86; 35Eta Oph ; 2.43; 10200;occ; 79; 0;43416  
32; 8031.5; 20-JUN-2010 03:37:15; Bright; 43.0; 126; 60Bet Oph ; 2.77; 4250;occ; 86; 0;43416  
33; 8178.9; 20-JUN-2010 03:39:43; Bright; 40.0; 59; 55Alp Oph ; 2.08; 8900;occ; 80; 0;43416  
34; 8309.9; 20-JUN-2010 03:41:54; Bright; 35.0; 127; 27Bet Her ; 2.78; 4700;occ; 70; 0;43416  
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36; 8882.8; 20-JUN-2010 03:51:26; Bright; 24.5; 130; 23Bet Dra ; 2.80; 5800;occ; 49; 0;43416

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 15; 3425.0; 22-JUN-2010 23:05:02; Bright; 44.5; 89; 5Alp Cep ; 2.45; 8000;occ; 89; 0;43456  
 16; 3840.5; 22-JUN-2010 23:11:57; Bright; 67.0; 74; 11Bet Cas ; 2.27; 6600;occ; 134; 0;43456  
 17; 3931.9; 22-JUN-2010 23:13:29; Bright; 65.0; 68; 18Alp Cas ; 2.22; 4500;occ; 130; 0;43456  
 18; 4064.5; 22-JUN-2010 23:15:41; Bright; 54.0; 160; 23Gam Per ; 2.93; 4700;occ; 108; 0;43456  
 19; 4270.6; 22-JUN-2010 23:19:07; Bright; 45.5; 73; 57Gam1And ; 2.26; 13100;occ; 91; 0;43456  
 20; 4414.5; 22-JUN-2010 23:21:31; Dark ; 46.5; 173; 4Bet Tri ; 3.00; 8900;occ; 93; 0;43456  
 21; 4644.5; 22-JUN-2010 23:25:21; Dark ; 52.5; 50; 13Alp Ari ; 2.01; 4250;occ; 105; 0;43456  
 22; 4933.5; 22-JUN-2010 23:30:10; Dark ; 38.0; 94; 92Alp Cet ; 2.53; 3100;occ; 76; 0;43456  
 23; 5412.0; 22-JUN-2010 23:38:09; Dark ; 15.5; 0; ; 0.00; 0;occ; 31; 0;43456

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 4; 492.8; 22-JUN-2010 23:56:45; Dark ; 50.5; 31; Alp Gru ; 1.73; 15200;occ; 101; 0;43457  
 5; 683.5; 22-JUN-2010 23:59:56; Dark ; 41.5; 45; Alp Pav ; 1.94; 26000;occ; 83; 0;43457  
 6; 1239.8; 23-JUN-2010 00:09:12; Dark ; 46.5; 38; 20Eps Sgr ; 1.84; 11000;occ; 93; 0;43457  
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 8; 1456.4; 23-JUN-2010 00:12:49; Bright; 50.5; 155; 41Pi Sgr ; 2.90; 6600;occ; 101; 0;43457  
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 11; 2134.7; 23-JUN-2010 00:24:07; Bright; 41.5; 59; 55Alp Oph ; 2.08; 8900;occ; 83; 0;43457  
 12; 2447.3; 23-JUN-2010 00:29:20; Bright; 36.5; 133; 40Zet Her ; 2.81; 6000;occ; 73; 0;43457  
 13; 2720.9; 23-JUN-2010 00:33:53; Bright; 51.5; 5; 3Alp Lyr ; 0.03; 11000;occ; 103; 0;43457  
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 16; 3840.3; 23-JUN-2010 00:52:33; Bright; 49.0; 74; 11Bet Cas ; 2.27; 6600;occ; 98; 0;43457  
 17; 3931.7; 23-JUN-2010 00:54:04; Bright; 58.0; 68; 18Alp Cas ; 2.22; 4500;occ; 116; 0;43457  
 18; 4065.1; 23-JUN-2010 00:56:18; Bright; 46.5; 160; 23Gam Per ; 2.93; 4700;occ; 93; 0;43457  
 19; 4270.4; 23-JUN-2010 00:59:43; Bright; 46.0; 73; 57Gam1And ; 2.26; 13100;occ; 92; 0;43457  
 20; 4414.9; 23-JUN-2010 01:02:07; Dark ; 45.0; 173; 4Bet Tri ; 3.00; 8900;occ; 90; 0;43457  
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 22; 4934.2; 23-JUN-2010 01:10:47; Dark ; 36.0; 94; 92Alp Cet ; 2.53; 3100;occ; 72; 0;43457

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 4; 493.9; 23-JUN-2010 01:37:22; Dark ; 51.0; 31; Alp Gru ; 1.73; 15200;occ; 102; 0;43458  
 5; 683.8; 23-JUN-2010 01:40:32; Dark ; 42.0; 45; Alp Pav ; 1.94; 26000;occ; 84; 0;43458  
 6; 1240.0; 23-JUN-2010 01:49:48; Dark ; 46.5; 38; 20Eps Sgr ; 1.84; 11000;occ; 93; 0;43458  
 7; 1325.4; 23-JUN-2010 01:51:14; Dark ; 53.0; 116; 19Del Sgr ; 2.70; 4100;occ; 106; 0;43458  
 8; 1456.5; 23-JUN-2010 01:53:25; Bright; 52.0; 155; 41Pi Sgr ; 2.90; 6600;occ; 104; 0;43458  
 9; 1989.5; 23-JUN-2010 02:02:18; Bright; 40.5; 126; 60Bet Oph ; 2.77; 4250;occ; 81; 0;43458  
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 12; 2720.1; 23-JUN-2010 02:14:28; Bright; 47.0; 5; 3Alp Lyr ; 0.03; 11000;occ; 94; 0;43458  
 13; 2833.9; 23-JUN-2010 02:16:22; Bright; 39.5; 130; 23Bet Dra ; 2.80; 5800;occ; 79; 0;43458  
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 16; 3931.4; 23-JUN-2010 02:34:40; Bright; 47.5; 68; 18Alp Cas ; 2.22; 4500;occ; 95; 0;43458  
 17; 4064.8; 23-JUN-2010 02:36:53; Bright; 44.5; 160; 23Gam Per ; 2.93; 4700;occ; 89; 0;43458  
 18; 4270.5; 23-JUN-2010 02:40:19; Bright; 60.0; 73; 57Gam1And ; 2.26; 13100;occ; 120; 0;43458  
 19; 4414.7; 23-JUN-2010 02:42:43; Dark ; 44.5; 173; 4Bet Tri ; 3.00; 8900;occ; 89; 0;43458  
 20; 4645.0; 23-JUN-2010 02:46:33; Dark ; 49.0; 50; 13Alp Ari ; 2.01; 4250;occ; 98; 0;43458  
 21; 4934.6; 23-JUN-2010 02:51:23; Dark ; 36.5; 94; 92Alp Cet ; 2.53; 3100;occ; 73; 0;43458  
 22; 5413.3; 23-JUN-2010 02:59:22; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;43458  
 23; 6021.3; 23-JUN-2010 03:09:30; Dark ; 49.0; 84; Alp Phe ; 2.40; 4500;occ; 98; 0;43458  
 24; 6408.2; 23-JUN-2010 03:15:57; Dark ; 53.5; 63; Bet Gru ; 2.15; 2800;occ; 107; 0;43459  
 25; 6530.7; 23-JUN-2010 03:17:59; Dark ; 51.0; 31; Alp Gru ; 1.73; 15200;occ; 102; 0;43459  
 26; 6720.8; 23-JUN-2010 03:21:09; Dark ; 40.0; 45; Alp Pav ; 1.94; 26000;occ; 80; 0;43459  
 27; 7276.4; 23-JUN-2010 03:30:25; Dark ; 46.5; 38; 20Eps Sgr ; 1.84; 11000;occ; 93; 0;43459  
 28; 7361.8; 23-JUN-2010 03:31:50; Dark ; 51.5; 116; 19Del Sgr ; 2.70; 4100;occ; 103; 0;43459  
 29; 7492.4; 23-JUN-2010 03:34:01; Bright; 48.5; 155; 41Pi Sgr ; 2.90; 6600;occ; 97; 0;43459  
 30; 8025.2; 23-JUN-2010 03:42:54; Bright; 42.0; 126; 60Bet Oph ; 2.77; 4250;occ; 84; 0;43459  
 31; 8169.8; 23-JUN-2010 03:45:18; Bright; 41.5; 59; 55Alp Oph ; 2.08; 8900;occ; 83; 0;43459  
 32; 8483.4; 23-JUN-2010 03:50:32; Bright; 38.0; 133; 40Zet Her ; 2.81; 6000;occ; 76; 0;43459  
 33; 8755.5; 23-JUN-2010 03:55:04; Bright; 49.0; 5; 3Alp Lyr ; 0.03; 11000;occ; 98; 0;43459  
 34; 8869.6; 23-JUN-2010 03:56:58; Bright; 28.0; 130; 23Bet Dra ; 2.80; 5800;occ; 56; 0;43459

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 4; 3931.0; 23-JUN-2010 04:15:15; Bright; 47.5; 68; 18Alp Cas ; 2.22; 4500;occ; 95; 0;43459  
 5; 4064.9; 23-JUN-2010 04:17:29; Bright; 36.0; 160; 23Gam Per ; 2.93; 4700;occ; 72; 0;43459  
 6; 4270.6; 23-JUN-2010 04:20:55; Bright; 49.5; 73; 57Gam1And ; 2.26; 13100;occ; 99; 0;43459  
 7; 4415.3; 23-JUN-2010 04:23:20; Dark ; 45.5; 173; 4Bet Tri ; 3.00; 8900;occ; 91; 0;43459  
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 9; 4934.7; 23-JUN-2010 04:31:59; Dark ; 37.0; 94; 92Alp Cet ; 2.53; 3100;occ; 74; 0;43459  
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 13; 6531.9; 23-JUN-2010 04:58:36; Dark ; 51.0; 31; Alp Gru ; 1.73; 15200;occ; 102; 0;43460  
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 17; 7492.8; 23-JUN-2010 05:14:37; Bright; 50.5; 155; 41Pi Sgr ; 2.90; 6600;occ; 101; 0;43460  
 18; 8025.5; 23-JUN-2010 05:23:30; Bright; 40.0; 126; 60Bet Oph ; 2.77; 4250;occ; 80; 0;43460  
 19; 8169.8; 23-JUN-2010 05:25:54; Bright; 40.0; 59; 55Alp Oph ; 2.08; 8900;occ; 80; 0;43460  
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 21; 8755.1; 23-JUN-2010 05:35:39; Bright; 52.0; 5; 3Alp Lyr ; 0.03; 11000;occ; 104; 0;43460  
 22; 8869.5; 23-JUN-2010 05:37:34; Bright; 40.0; 130; 23Bet Dra ; 2.80; 5800;occ; 80; 0;43460  
 23; 9458.2; 23-JUN-2010 05:47:22; Bright; 46.5; 89; 5Alp Cep ; 2.45; 8000;occ; 93; 0;43460

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 5; -1621.0; 23-JUN-2010 06:03:55; Dark ; 45.5; 173; 4Bet Tri ; 3.00; 8900;occ; 91; 0;43460  
 6; -1390.3; 23-JUN-2010 06:07:46; Dark ; 53.0; 50; 13Alp Ari ; 2.01; 4250;occ; 106; 0;43460  
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 13; 1241.1; 23-JUN-2010 06:51:37; Dark ; 45.0; 38; 20Eps Sgr ; 1.84; 11000;occ; 90; 0;43461  
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 16; 1989.3; 23-JUN-2010 07:04:06; Bright; 40.5; 126; 60Bet Oph ; 2.77; 4250;occ; 81; 0;43461  
 17; 2133.6; 23-JUN-2010 07:06:30; Bright; 40.5; 59; 55Alp Oph ; 2.08; 8900;occ; 81; 0;43461  
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 19; 2718.4; 23-JUN-2010 07:16:15; Bright; 48.5; 5; 3Alp Lyr ; 0.03; 11000;occ; 97; 0;43461  
 20; 2833.3; 23-JUN-2010 07:18:10; Bright; 41.0; 130; 23Bet Dra ; 2.80; 5800;occ; 82; 0;43461  
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 11; 497.5; 23-JUN-2010 08:19:50; Dark ; 56.5; 31; Alp Gru ; 1.73; 15200;occ; 113; 0;43462  
 12; 686.0; 23-JUN-2010 08:22:58; Dark ; 42.5; 45; Alp Pav ; 1.94; 26000;occ; 85; 0;43462  
 13; 1241.5; 23-JUN-2010 08:32:14; Dark ; 47.5; 38; 20Eps Sgr ; 1.84; 11000;occ; 95; 0;43462  
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4; 506.4; 23-JUN-2010 23:25:22; Dark ; 48.5; 31; Alp Gru ; 1.73; 15200;occ; 97; 0;43471
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12; 2711.5; 24-JUN-2010 00:02:07; Bright; 48.5; 5; 3Alp Lyr ; 0.03; 11000;occ; 97; 0;43471

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13; 2830.4; 24-JUN-2010 01:44:42; Bright; 39.5; 130; 23Bet Dra ; 2.80; 5800;occ; 79; 0;43472
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 3; 386.5; 24-JUN-2010 02:44:34; Dark ; 64.5; 63; Bet Gru ; 2.15; 2800;occ; 129; 0;43473
 4; 508.0; 24-JUN-2010 02:46:35; Dark ; 54.0; 31; Alp Gru ; 1.73; 15200;occ; 108; 0;43473
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12; 2710.0; 24-JUN-2010 03:23:17; Bright; 49.5; 5; 3Alp Lyr ; 0.03; 11000;occ; 99; 0;43473
13; 2830.2; 24-JUN-2010 03:25:17; Bright; 37.5; 130; 23Bet Dra ; 2.80; 5800;occ; 75; 0;43473
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 19; 4416.8; 24-JUN-2010 22:18:19; Dark ; 48.5; 173; 4Bet Tri ; 3.00; 8900;occ; 97; 0;43484  
 20; 4651.7; 24-JUN-2010 22:22:14; Dark ; 54.5; 50; 13Alp Ari ; 2.01; 4250;occ; 109; 0;43484

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 4; 398.2; 24-JUN-2010 22:51:57; Dark ; 53.5; 63; Bet Gru ; 2.15; 2800;occ; 107; 0;43485  
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 6; 698.8; 24-JUN-2010 22:56:57; Dark ; 42.0; 45; Alp Pav ; 1.94; 26000;occ; 84; 0;43485  
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 9; 1462.1; 24-JUN-2010 23:09:41; Bright; 50.0; 155; 41Pi Sgr ; 2.90; 6600;occ; 100; 0;43485

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13; 2826.9; 24-JUN-2010 23:32:25; Bright; 37.0; 130; 23Bet Dra ; 2.80; 5800;occ; 74; 0;43485
14; 3405.2; 24-JUN-2010 23:42:04; Bright; 46.0; 89; 5Alp Cep ; 2.45; 8000;occ; 92; 0;43485
15; 3828.1; 24-JUN-2010 23:49:06; Bright; 44.0; 74; 11Bet Cas ; 2.27; 6600;occ; 88; 0;43485
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3; 10.0; 25-JUN-2010 00:26:04; Dark ; 47.5; 84; Alp Phe ; 2.40; 4500;occ; 95; 0;43486
4; 399.1; 25-JUN-2010 00:32:33; Dark ; 53.0; 63; Bet Gru ; 2.15; 2800;occ; 106; 0;43486
5; 520.4; 25-JUN-2010 00:34:35; Dark ; 46.0; 31; Alp Gru ; 1.73; 15200;occ; 92; 0;43486
6; 699.5; 25-JUN-2010 00:37:34; Dark ; 49.5; 45; Alp Pav ; 1.94; 26000;occ; 99; 0;43486
7; 1248.9; 25-JUN-2010 00:46:43; Dark ; 45.5; 38; 20Eps Sgr ; 1.84; 11000;occ; 91; 0;43486
8; 1333.3; 25-JUN-2010 00:48:08; Dark ; 51.5; 116; 19Del Sgr ; 2.70; 4100;occ; 103; 0;43486
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13; 2826.6; 25-JUN-2010 01:13:01; Bright; 38.0; 130; 23Bet Dra ; 2.80; 5800;occ; 76; 0;43486
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15; 3827.4; 25-JUN-2010 01:29:42; Bright; 47.5; 74; 11Bet Cas ; 2.27; 6600;occ; 95; 0;43486
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8; 1333.6; 25-JUN-2010 02:28:44; Dark ; 48.5; 116; 19Del Sgr ; 2.70; 4100;occ; 97; 0;43487
9; 1462.7; 25-JUN-2010 02:30:53; Bright; 48.0; 155; 41Pi Sgr ; 2.90; 6600;occ; 96; 0;43487
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13; 2826.6; 25-JUN-2010 02:53:37; Bright; 38.0; 130; 23Bet Dra ; 2.80; 5800;occ; 76; 0;43487
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3; -1970.9; 25-JUN-2010 03:14:15; Bright; 33.5; 160; 23Gam Per ; 2.93; 4700;occ; 67; 0;43487
4; -1765.8; 25-JUN-2010 03:17:40; Bright; 45.5; 73; 57Gam1And ; 2.26; 13100;occ; 91; 0;43487
5; -1618.4; 25-JUN-2010 03:20:08; Dark ; 47.0; 173; 4Bet Tri ; 3.00; 8900;occ; 94; 0;43487
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9; 12.0; 25-JUN-2010 03:47:18; Dark ; 45.0; 84; Alp Phe ; 2.40; 4500;occ; 90; 0;43488
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12; 700.5; 25-JUN-2010 03:58:47; Dark ; 43.5; 45; Alp Pav ; 1.94; 26000;occ; 87; 0;43488
13; 1249.4; 25-JUN-2010 04:07:55; Dark ; 46.5; 38; 20Eps Sgr ; 1.84; 11000;occ; 93; 0;43488
14; 1334.1; 25-JUN-2010 04:09:20; Dark ; 54.0; 116; 19Del Sgr ; 2.70; 4100;occ; 108; 0;43488
15; 1462.9; 25-JUN-2010 04:11:29; Bright; 50.5; 155; 41Pi Sgr ; 2.90; 6600;occ; 101; 0;43488
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17; 2130.0; 25-JUN-2010 04:22:36; Bright; 39.0; 59; 55Alp Oph ; 2.08; 8900;occ; 78; 0;43488
18; 2700.3; 25-JUN-2010 04:32:06; Bright; 49.0; 5; 3Alp Lyr ; 0.03; 11000;occ; 98; 0;43488
19; 2826.3; 25-JUN-2010 04:34:12; Bright; 38.5; 130; 23Bet Dra ; 2.80; 5800;occ; 77; 0;43488
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 5; 706.4; 25-JUN-2010 22:25:28; Dark ; 43.0; 45; Alp Pav ; 1.94; 26000;occ; 86; 0;43499  
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 13; 3395.3; 25-JUN-2010 23:10:17; Bright; 48.5; 89; 5Alp Cep ; 2.45; 8000;occ; 97; 0;43499  
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13; 1262.2; 28-JUN-2010 05:54:29; Dark ; 42.5; 38; 20Eps Sgr ; 1.84; 11000;occ; 85; 0;43532
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 9; 3802.0; 28-JUN-2010 21:42:13; Bright; 49.5; 74; 11Bet Cas ; 2.27; 6600;occ; 99; 0;43541
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