

# GOMOS Daily Report 15-JUL-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	19JUL2010 04:55:54
Data source version	GOMOS/5.01
Start time of products	15JUL2010 00:02:24
Stop time of products	15JUL2010 23:50:52
Store outputs in DB	Yes
Nb of level 1b prods	111
Nb of prods with errors	1

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

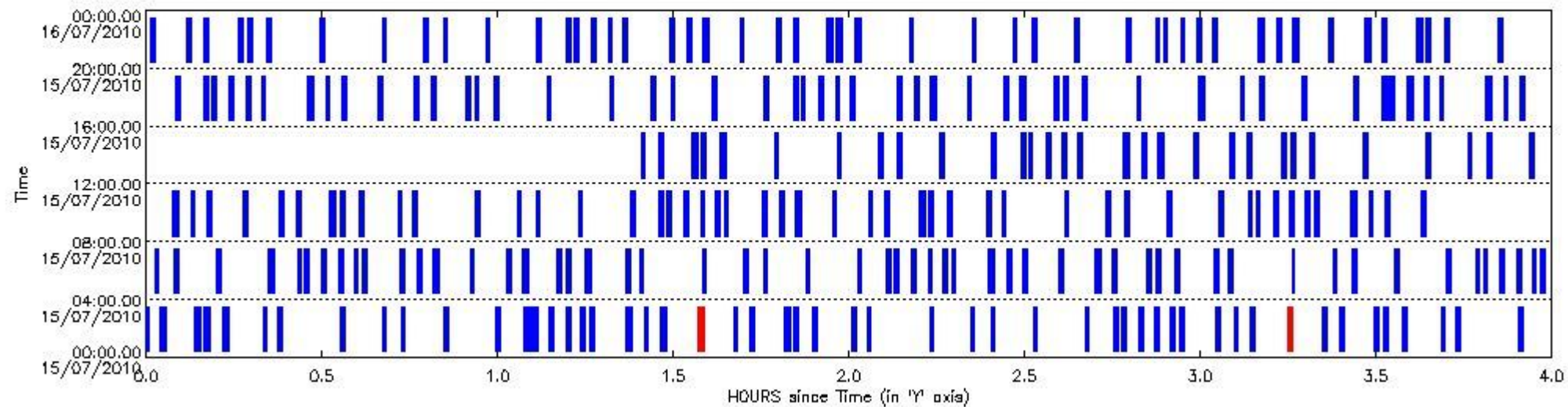
### 2.1 Level 0 products arrived in PCF (see template [here](#))

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

Red segments are missing products.

Blue segments are available products.

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



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

UTC start time	Star name	Star ID	Orbit
15-JUL-2010 01:34:11	The1Eri	157	43772
15-JUL-2010 03:14:48	The1Eri	157	43773

### 2.4 Summary of processed GOM\_TRA\_1P products

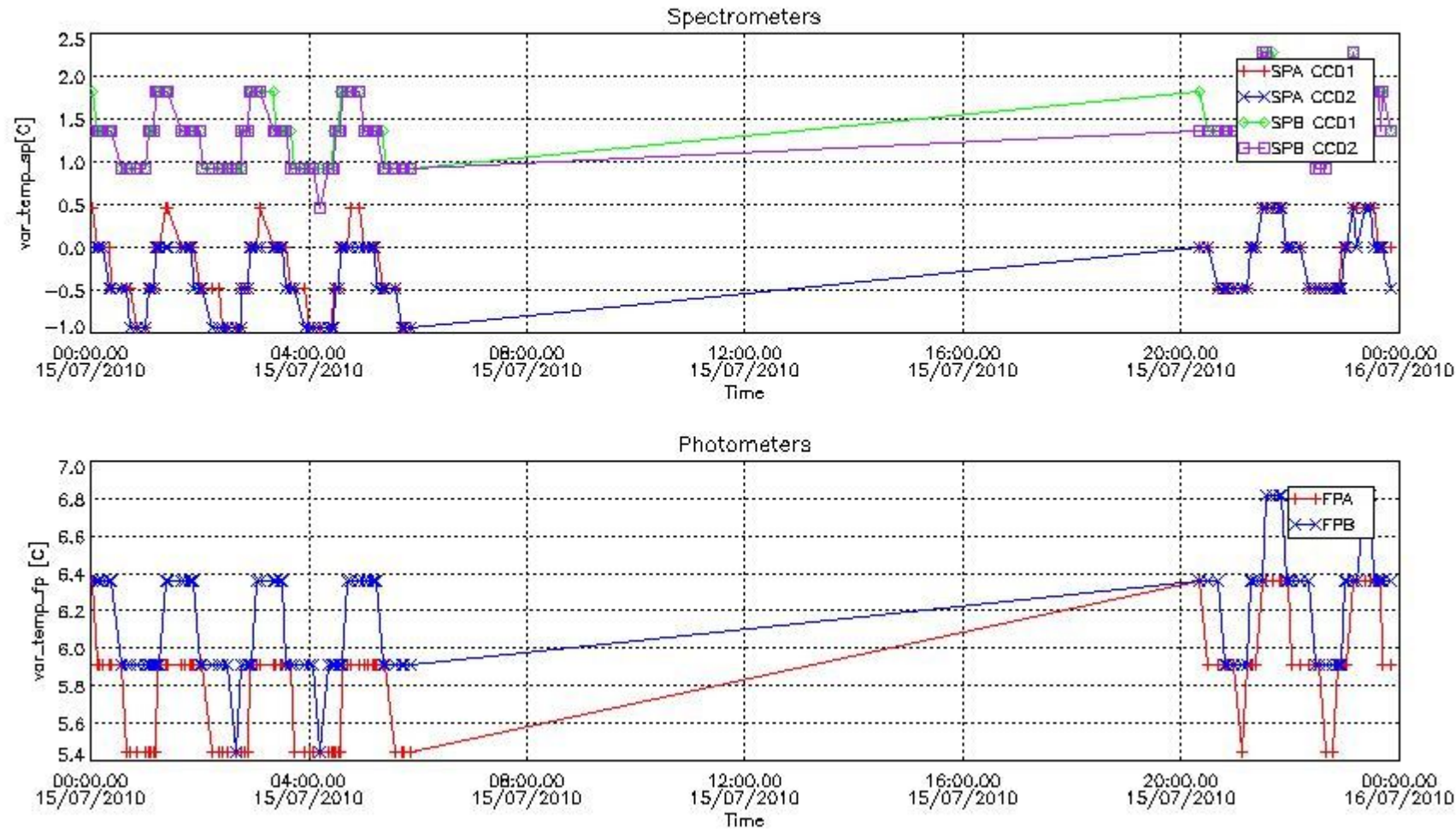
Nr	Filename	UTC Start time	Limb	Duration	Star Id	Star Name	Star Mag	Star Temp	Nb Meas	Orbit	Prod. error
1	GOM_TRA_1PNPDE20100715_000224_000000532091_00131_43772_6802.N1	15-JUL-2010 00:02:24	Dark	53.000	84	Alp Phe	2.3970	4500.0	106	43772	No
2	GOM_TRA_1PNPDE20100715_000818_000000622091_00131_43772_6803.N1	15-JUL-2010 00:08:18	Straylight	62.000	63	Bet Gru	2.1500	2800.0	124	43772	No
3	GOM_TRA_1PNPDE20100715_000955_000000552091_00131_43772_6804.N1	15-JUL-2010 00:09:55	Straylight	55.000	31	Alp Gru	1.7340	15200.	110	43772	No
4	GOM_TRA_1PNPDE20100715_001308_000000542091_00131_43772_6805.N1	15-JUL-2010 00:13:08	Straylight	54.000	172	Gam Gru	3.0030	13100.	108	43772	No
5	GOM_TRA_1PNPDE20100715_001956_000000422091_00131_43772_6806.N1	15-JUL-2010 00:19:56	Bright	41.500	103	38Zet Sgr	2.6000	9700.0	83	43772	No
6	GOM_TRA_1PNPDE20100715_002227_000000412091_00131_43772_6807.N1	15-JUL-2010 00:22:27	Bright	40.500	155	41Pi Sgr	2.9000	6600.0	81	43772	No
7	GOM_TRA_1PNPDE20100715_003312_000000412091_00131_43772_6808.N1	15-JUL-2010 00:33:12	Bright	40.500	168	17Zet Aql	2.9860	11000.	81	43772	No
8	GOM_TRA_1PNPDE20100715_004016_000000422091_00131_43772_6809.N1	15-JUL-2010 00:40:16	Bright	41.500	5	3Alp Lyr	0.033000	11000.	83	43772	No
9	GOM_TRA_1PNPDE20100715_004335_000000352091_00131_43772_6810.N1	15-JUL-2010 00:43:35	Bright	34.500	69	33Gam Dra	2.2310	3800.0	69	43772	No

10	GOM_TRA_1PNPDE20100715_005049_000000442091_00131_43772_6811.N1	15-JUL-2010 00:50:49	Bright	43.500	89	5Alp Cep	2.4510	8000.0	87	43772	No
11	GOM_TRA_1PNPDE20100715_005937_000000492091_00131_43772_6812.N1	15-JUL-2010 00:59:37	Bright	49.000	76	27Gam Cas	2.3000	30000.	98	43772	No
12	GOM_TRA_1PNPDE20100715_010433_000000602091_00131_43772_6813.N1	15-JUL-2010 01:04:33	Bright	59.500	160	23Gam Per	2.9300	4700.0	119	43772	No
13	GOM_TRA_1PNPDE20100715_010552_000000592091_00131_43772_6814.N1	15-JUL-2010 01:05:52	Bright	59.000	35	33Alp Per	1.7950	6250.0	118	43772	No
14	GOM_TRA_1PNPDE20100715_010848_000000472091_00131_43772_6815.N1	15-JUL-2010 01:08:48	Bright	47.000	79	26Bet Per	2.3100	13100.	94	43772	No
15	GOM_TRA_1PNPDE20100715_011138_000000442091_00131_43772_6816.N1	15-JUL-2010 01:11:38	Twilight	44.000	150	44Zet Per	2.8900	28000.	88	43772	No
16	GOM_TRA_1PNPDE20100715_011410_000000462091_00131_43772_6817.N1	15-JUL-2010 01:14:10	Twilight	45.500	146	25Eta Tau	2.8730	15200.	91	43772	No
17	GOM_TRA_1PNPDE20100715_011545_000000472091_00131_43772_6818.N1	15-JUL-2010 01:15:45	Twilight	46.500	13	87Alp Tau	0.86700	3800.0	93	43772	No
18	GOM_TRA_1PNPDE20100715_012159_000000562091_00131_43772_6819.N1	15-JUL-2010 01:21:59	Dark	56.000	94	92Alp Cet	2.5260	3100.0	112	43772	No
19	GOM_TRA_1PNPDE20100715_012506_000000382091_00131_43772_6817.N1	15-JUL-2010 01:25:06	Dark	38.000	165	34Gam Eri	2.9500	3200.0	76	43772	No
20	GOM_TRA_1PNPDE20100715_014013_000000422091_00132_43773_6818.N1	15-JUL-2010 01:40:13	Dark	42.000	9	Alp Eri	0.45300	24000.	84	43773	No
21	GOM_TRA_1PNPDE20100715_014302_000000522091_00132_43773_6819.N1	15-JUL-2010 01:43:02	Dark	52.000	84	Alp Phe	2.3970	4500.0	104	43773	No
22	GOM_TRA_1PNPDE20100715_014854_000000612091_00132_43773_6820.N1	15-JUL-2010 01:48:54	Straylight	60.500	63	Bet Gru	2.1500	2800.0	121	43773	No
23	GOM_TRA_1PNPDE20100715_015032_000000492091_00132_43773_6821.N1	15-JUL-2010 01:50:32	Straylight	48.500	31	Alp Gru	1.7340	15200.	97	43773	No
24	GOM_TRA_1PNPDE20100715_015344_000000542091_00132_43773_6822.N1	15-JUL-2010 01:53:44	Straylight	53.500	172	Gam Gru	3.0030	13100.	107	43773	No
25	GOM_TRA_1PNPDE20100715_020032_000000422091_00132_43773_6823.N1	15-JUL-2010 02:00:32	Bright	41.500	103	38Zet Sgr	2.6000	9700.0	83	43773	No
26	GOM_TRA_1PNPDE20100715_020303_000000392091_00132_43773_6824.N1	15-JUL-2010 02:03:03	Bright	39.000	155	41Pi Sgr	2.9000	6600.0	78	43773	No
27	GOM_TRA_1PNPDE20100715_021348_000000402091_00132_43773_6825.N1	15-JUL-2010 02:13:48	Bright	40.000	168	17Zet Aql	2.9860	11000.	80	43773	No
28	GOM_TRA_1PNPDE20100715_022052_000000372091_00132_43773_6826.N1	15-JUL-2010 02:20:52	Bright	36.500	5	3Alp Lyr	0.033000	11000.	73	43773	No
29	GOM_TRA_1PNPDE20100715_022411_000000352091_00132_43773_6827.N1	15-JUL-2010 02:24:11	Bright	34.500	69	33Gam Dra	2.2310	3800.0	69	43773	No
30	GOM_TRA_1PNPDE20100715_023124_000000442091_00132_43773_6828.N1	15-JUL-2010 02:31:24	Bright	44.000	89	5Alp Cep	2.4510	8000.0	88	43773	No
31	GOM_TRA_1PNPDE20100715_024013_000000482091_00132_43773_6840.N1	15-JUL-2010 02:40:13	Bright	47.500	76	27Gam Cas	2.3000	30000.	95	43773	No
32	GOM_TRA_1PNPDE20100715_024509_000000432091_00132_43773_6841.N1	15-JUL-2010 02:45:09	Bright	42.500	160	23Gam Per	2.9300	4700.0	85	43773	No
33	GOM_TRA_1PNPDE20100715_024628_000000432091_00132_43773_6842.N1	15-JUL-2010 02:46:28	Bright	43.000	35	33Alp Per	1.7950	6250.0	86	43773	No
34	GOM_TRA_1PNPDE20100715_024924_000000472091_00132_43773_6843.N1	15-JUL-2010 02:49:24	Bright	47.000	79	26Bet Per	2.3100	13100.	94	43773	No
35	GOM_TRA_1PNPDE20100715_025214_000000462091_00132_43773_6844.N1	15-JUL-2010 02:52:14	Twilight	45.500	150	44Zet Per	2.8900	28000.	91	43773	No
36	GOM_TRA_1PNPDE20100715_025447_000000442091_00132_43773_6845.N1	15-JUL-2010 02:54:47	Twilight	44.000	146	25Eta Tau	2.8730	15200.	88	43773	No
37	GOM_TRA_1PNPDE20100715_025622_000000532091_00132_43773_6846.N1	15-JUL-2010 02:56:22	Twilight	53.000	13	87Alp Tau	0.86700	3800.0	106	43773	No
38	GOM_TRA_1PNPDE20100715_030235_000000472091_00132_43773_6847.N1	15-JUL-2010 03:02:35	Dark	47.000	94	92Alp Cet	2.5260	3100.0	94	43773	No
39	GOM_TRA_1PNPDE20100715_030543_000000382091_00132_43773_6848.N1	15-JUL-2010 03:05:43	Dark	38.000	165	34Gam Eri	2.9500	3200.0	76	43773	No
40	GOM_TRA_1PNPDE20100715_032049_000000422091_00133_43774_6849.N1	15-JUL-2010 03:20:49	Dark	41.500	9	Alp Eri	0.45300	24000.	83	43774	No
41	GOM_TRA_1PNPDE20100715_032339_000000532091_00133_43774_6850.N1	15-JUL-2010 03:23:39	Dark	53.000	84	Alp Phe	2.3970	4500.0	106	43774	No
42	GOM_TRA_1PNPDE20100715_032931_000000532091_00133_43774_6851.N1	15-JUL-2010 03:29:31	Straylight	53.000	63	Bet Gru	2.1500	2800.0	106	43774	No
43	GOM_TRA_1PNPDE20100715_033108_000000522091_00133_43774_6852.N1	15-JUL-2010 03:31:08	Straylight	51.500	31	Alp Gru	1.7340	15200.	103	43774	No
44	GOM_TRA_1PNPDE20100715_033421_000000522091_00133_43774_6853.N1	15-JUL-2010 03:34:21	Straylight	52.000	172	Gam Gru	3.0030	13100.	104	43774	No
45	GOM_TRA_1PNPDE20100715_034109_000000412091_00133_43774_6854.N1	15-JUL-2010 03:41:09	Bright	41.000	103	38Zet Sgr	2.6000	9700.0	82	43774	No
46	GOM_TRA_1PNPDE20100715_034339_000000412091_00133_43774_6855.N1	15-JUL-2010 03:43:39	Bright	40.500	155	41Pi Sgr	2.9000	6600.0	81	43774	No
47	GOM_TRA_1PNPDE20100715_035424_000000402091_00133_43774_6856.N1	15-JUL-2010 03:54:24	Bright	40.000	168	17Zet Aql	2.9860	11000.	80	43774	No
48	GOM_TRA_1PNPDE20100715_040127_000000432091_00133_43774_6857.N1	15-JUL-2010 04:01:27	Bright	42.500	5	3Alp Lyr	0.033000	11000.	85	43774	No
49	GOM_TRA_1PNPDE20100715_040446_000000372091_00133_43774_6858.N1	15-JUL-2010 04:04:46	Bright	37.000	69	33Gam Dra	2.2310	3800.0	74	43774	No
50	GOM_TRA_1PNPDE20100715_041200_000000412091_00133_43774_6859.N1	15-JUL-2010 04:12:00	Bright	41.000	89	5Alp Cep	2.4510	8000.0	82	43774	No
51	GOM_TRA_1PNPDE20100715_042048_000000602091_00133_43774_6867.N1	15-JUL-2010 04:20:48	Bright	60.000	76	27Gam Cas	2.3000	30000.	120	43774	No
52	GOM_TRA_1PNPDE20100715_042545_000000422091_00133_43774_6868.N1	15-JUL-2010 04:25:45	Bright	41.500	160	23Gam Per	2.9300	4700.0	83	43774	No
53	GOM_TRA_1PNPDE20100715_042704_000000432091_00133_43774_6869.N1	15-JUL-2010 04:27:04	Bright	42.500	35	33Alp Per	1.7950	6250.0	85	43774	No
54	GOM_TRA_1PNPDE20100715_043000_000000472091_00133_43774_6870.N1	15-JUL-2010 04:30:00	Bright	46.500	79	26Bet Per	2.3100	13100.	93	43774	No
55	GOM_TRA_1PNPDE20100715_043250_000000452091_00133_43774_6871.N1	15-JUL-2010 04:32:50	Twilight	44.500	150	44Zet Per	2.8900	28000.	89	43774	No
56	GOM_TRA_1PNPDE20100715_043523_000000442091_00133_43774_6872.N1	15-JUL-2010 04:35:23	Twilight	44.000	146	25Eta Tau	2.8730	15200.	88	43774	No
57	GOM_TRA_1PNPDE20100715_043657_000000472091_00133_43774_6873.N1	15-JUL-2010 04:36:57	Twilight	46.500	13	87Alp Tau	0.86700	3800.0	93	43774	No
58	GOM_TRA_1PNPDE20100715_044312_000000572091_00133_43774_6874.N1	15-JUL-2010 04:43:12	Dark	56.500	94	92Alp Cet	2.5260	3100.0	113	43774	No
59	GOM_TRA_1PNPDE20100715_044619_000000442091_00133_43774_6875.N1	15-JUL-2010 04:46:19	Dark	43.500	165	34Gam Eri	2.9500	3200.0	87	43774	No
60	GOM_TRA_1PNPDE20100715_045516_000000422091_00133_43774_6876.N1	15-JUL-2010 04:55:16	Dark	42.000	157	The1Eri	2.9060	9300.0	84	43774	No
61	GOM_TRA_1PNPDE20100715_050126_000000522091_00134_43775_6877.N1	15-JUL-2010 05:01:26	Dark	51.500	9	Alp Eri	0.45300	24000.	103	43775	No
62	GOM_TRA_1PNPDE20100715_050416_000000562091_00134_43775_6878.N1	15-JUL-2010 05:04:16	Dark	56.000	84	Alp Phe	2.3970	4500.0	112	43775	No
63	GOM_TRA_1PNPDE20100715_051008_000000522091_00134_43775_6879.N1	15-JUL-2010 05:10:08	Straylight	52.000	63	Bet Gru	2.1500	2800.0	104	43775	No
64	GOM_TRA_1PNPDE20100715_051145_000000482091_00134_43775_6880.N1	15-JUL-2010 05:11:45	Straylight	47.500	31	Alp Gru	1.7340	15200.	95	43775	No
65	GOM_TRA_1PNPDE20100715_051458_000000532091_00134_43775_6881.N1	15-JUL-2010 05:14:58	Straylight	52.500	172	Gam Gru	3.0030	13100.	105	43775	No
66	GOM_TRA_1PNPDE20100715_052145_000000492091_00134_43775_6882.N1	15-JUL-2010 05:21:45	Bright	49.000	103	38Zet Sgr	2.6000	9700.0	98	43775	No
67	GOM_TRA_1PNPDE20100715_052415_000000402091_00134_43775_6883.N1	15-JUL-2010 05:24:15	Bright	40.000	155	41Pi Sgr	2.9000	6600.0	80	43775	No
68	GOM_TRA_1PNPDE20100715_053500_000000382091_00134_43775_6884.N1	15-JUL-2010 05:35:00	Bright	38.000	168	17Zet Aql	2.9860	11000.	76	43775	No

69	GOM_TRA_1PNPDE20100715_054203_000000382091_00134_43775_6885.N1	15-JUL-2010 05:42:03	Bright	38.000	5	3Alp Lyr	0.033000	11000.	76	43775	No
70	GOM_TRA_1PNPDE20100715_054523_000000392091_00134_43775_6886.N1	15-JUL-2010 05:45:23	Bright	38.500	69	33Gam Dra	2.2310	3800.0	77	43775	No
71	GOM_TRA_1PNPDE20100715_055235_000000442091_00134_43775_6887.N1	15-JUL-2010 05:52:35	Bright	43.500	89	5Alp Cep	2.4510	8000.0	87	43775	No
72	GOM_TRA_1PNPDE20100715_202028_000000512091_00143_43784_6991.N1	15-JUL-2010 20:20:28	Straylight	51.000	172	Gam Gru	3.0030	13100.	102	43784	No
73	GOM_TRA_1PNPDE20100715_202940_000000402091_00143_43784_6992.N1	15-JUL-2010 20:29:40	Bright	40.000	155	41Pi Sgr	2.9000	6600.0	80	43784	No
74	GOM_TRA_1PNPDE20100715_204021_000000392091_00143_43784_6993.N1	15-JUL-2010 20:40:21	Bright	39.000	168	17Zet Aql	2.9860	11000.	78	43784	No
75	GOM_TRA_1PNPDE20100715_204725_000000372091_00143_43784_6994.N1	15-JUL-2010 20:47:25	Bright	36.500	5	3Alp Lyr	0.033000	11000.	73	43784	No
76	GOM_TRA_1PNPDE20100715_205041_000000442091_00143_43784_6995.N1	15-JUL-2010 20:50:41	Bright	43.500	144	18Del Cyg	2.8600	11000.	87	43784	No
77	GOM_TRA_1PNPDE20100715_205753_000000442091_00143_43784_6996.N1	15-JUL-2010 20:57:53	Bright	43.500	89	5Alp Cep	2.4510	8000.0	87	43784	No
78	GOM_TRA_1PNPDE20100715_210643_000000482091_00143_43784_6997.N1	15-JUL-2010 21:06:43	Bright	48.000	76	27Gam Cas	2.3000	30000.	96	43784	No
79	GOM_TRA_1PNPDE20100715_211142_000000412091_00143_43784_6998.N1	15-JUL-2010 21:11:42	Bright	40.500	160	23Gam Per	2.9300	4700.0	81	43784	No
80	GOM_TRA_1PNPDE20100715_211303_000000422091_00143_43784_6999.N1	15-JUL-2010 21:13:03	Bright	41.500	35	33Alp Per	1.7950	6250.0	83	43784	No
81	GOM_TRA_1PNPDE20100715_211559_000000472091_00143_43784_7000.N1	15-JUL-2010 21:15:59	Bright	46.500	79	26Bet Per	2.3100	13100.	93	43784	No
82	GOM_TRA_1PNPDE20100715_211851_000000422091_00143_43784_7001.N1	15-JUL-2010 21:18:51	Twilight	42.000	150	44Zet Per	2.8900	28000.	84	43784	No
83	GOM_TRA_1PNPDE20100715_212125_000000462091_00143_43784_7002.N1	15-JUL-2010 21:21:25	Twilight	46.000	146	25Eta Tau	2.8730	15200.	92	43784	No
84	GOM_TRA_1PNPDE20100715_212919_000000592091_00143_43784_7003.N1	15-JUL-2010 21:29:19	Dark	59.000	94	92Alp Cet	2.5260	3100.0	118	43784	No
85	GOM_TRA_1PNPDE20100715_213224_000000462091_00143_43784_7007.N1	15-JUL-2010 21:32:24	Dark	45.500	165	34Gam Eri	2.9500	3200.0	91	43784	No
86	GOM_TRA_1PNPDE20100715_214122_000000422091_00143_43784_7008.N1	15-JUL-2010 21:41:22	Dark	41.500	157	The1Eri	2.9060	9300.0	83	43784	No
87	GOM_TRA_1PNPDE20100715_214731_000000452091_00144_43785_7009.N1	15-JUL-2010 21:47:31	Dark	44.500	9	Alp Eri	0.45300	24000.	89	43785	No
88	GOM_TRA_1PNPDE20100715_215027_000000532091_00144_43785_7010.N1	15-JUL-2010 21:50:27	Dark	53.000	84	Alp Phe	2.3970	4500.0	106	43785	No
89	GOM_TRA_1PNPDE20100715_215616_000000632091_00144_43785_7011.N1	15-JUL-2010 21:56:16	Straylight	63.000	63	Bet Gru	2.1500	2800.0	126	43785	No
90	GOM_TRA_1PNPDE20100715_215752_000000532091_00144_43785_7012.N1	15-JUL-2010 21:57:52	Straylight	52.500	31	Alp Gru	1.7340	15200.	105	43785	No
91	GOM_TRA_1PNPDE20100715_220105_000000512091_00144_43785_7013.N1	15-JUL-2010 22:01:05	Straylight	50.500	172	Gam Gru	3.0030	13100.	101	43785	No
92	GOM_TRA_1PNPDE20100715_221016_000000402091_00144_43785_7014.N1	15-JUL-2010 22:10:16	Bright	39.500	155	41Pi Sgr	2.9000	6600.0	79	43785	No
93	GOM_TRA_1PNPDE20100715_222057_000000392091_00144_43785_7015.N1	15-JUL-2010 22:20:57	Bright	38.500	168	17Zet Aql	2.9860	11000.	77	43785	No
94	GOM_TRA_1PNPDE20100715_222801_000000392091_00144_43785_7016.N1	15-JUL-2010 22:28:01	Bright	38.500	5	3Alp Lyr	0.033000	11000.	77	43785	No
95	GOM_TRA_1PNPDE20100715_223117_000000422091_00144_43785_7017.N1	15-JUL-2010 22:31:17	Bright	42.000	144	18Del Cyg	2.8600	11000.	84	43785	No
96	GOM_TRA_1PNPDE20100715_223829_000000442091_00144_43785_7018.N1	15-JUL-2010 22:38:29	Bright	43.500	89	5Alp Cep	2.4510	8000.0	87	43785	No
97	GOM_TRA_1PNPDE20100715_224718_000000482091_00144_43785_7019.N1	15-JUL-2010 22:47:18	Bright	47.500	76	27Gam Cas	2.3000	30000.	95	43785	No
98	GOM_TRA_1PNPDE20100715_225218_000000432091_00144_43785_7020.N1	15-JUL-2010 22:52:18	Bright	42.500	160	23Gam Per	2.9300	4700.0	85	43785	No
99	GOM_TRA_1PNPDE20100715_225338_000000442091_00144_43785_7021.N1	15-JUL-2010 22:53:38	Bright	44.000	35	33Alp Per	1.7950	6250.0	88	43785	No
100	GOM_TRA_1PNPDE20100715_225635_000000462091_00144_43785_7022.N1	15-JUL-2010 22:56:35	Bright	45.500	79	26Bet Per	2.3100	13100.	91	43785	No
101	GOM_TRA_1PNPDE20100715_225927_000000452091_00144_43785_7023.N1	15-JUL-2010 22:59:27	Twilight	45.000	150	44Zet Per	2.8900	28000.	90	43785	No
102	GOM_TRA_1PNPDE20100715_230201_000000442091_00144_43785_7024.N1	15-JUL-2010 23:02:01	Twilight	44.000	146	25Eta Tau	2.8730	15200.	88	43785	No
103	GOM_TRA_1PNPDE20100715_230956_000000612091_00144_43785_7025.N1	15-JUL-2010 23:09:56	Dark	61.000	94	92Alp Cet	2.5260	3100.0	122	43785	No
104	GOM_TRA_1PNPDE20100715_231300_000000492091_00144_43785_7033.N1	15-JUL-2010 23:13:00	Dark	49.000	165	34Gam Eri	2.9500	3200.0	98	43785	Yes
105	GOM_TRA_1PNPDE20100715_232159_000000412091_00144_43785_7034.N1	15-JUL-2010 23:21:59	Dark	40.500	157	The1Eri	2.9060	9300.0	81	43785	No
106	GOM_TRA_1PNPDE20100715_232808_000000522091_00145_43786_7035.N1	15-JUL-2010 23:28:08	Dark	52.000	9	Alp Eri	0.45300	24000.	104	43786	No
107	GOM_TRA_1PNPDE20100715_233103_000000522091_00145_43786_7036.N1	15-JUL-2010 23:31:03	Dark	51.500	84	Alp Phe	2.3970	4500.0	103	43786	No
108	GOM_TRA_1PNPDE20100715_233652_000000622091_00145_43786_7037.N1	15-JUL-2010 23:36:52	Straylight	61.500	63	Bet Gru	2.1500	2800.0	123	43786	No
109	GOM_TRA_1PNPDE20100715_233828_000000542091_00145_43786_7038.N1	15-JUL-2010 23:38:28	Straylight	54.000	31	Alp Gru	1.7340	15200.	108	43786	No
110	GOM_TRA_1PNPDE20100715_234142_000000522091_00145_43786_7039.N1	15-JUL-2010 23:41:42	Straylight	51.500	172	Gam Gru	3.0030	13100.	103	43786	No
111	GOM_TRA_1PNPDE20100715_235052_000000402091_00145_43786_7040.N1	15-JUL-2010 23:50:52	Bright	40.000	155	41Pi Sgr	2.9000	6600.0	80	43786	No

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





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

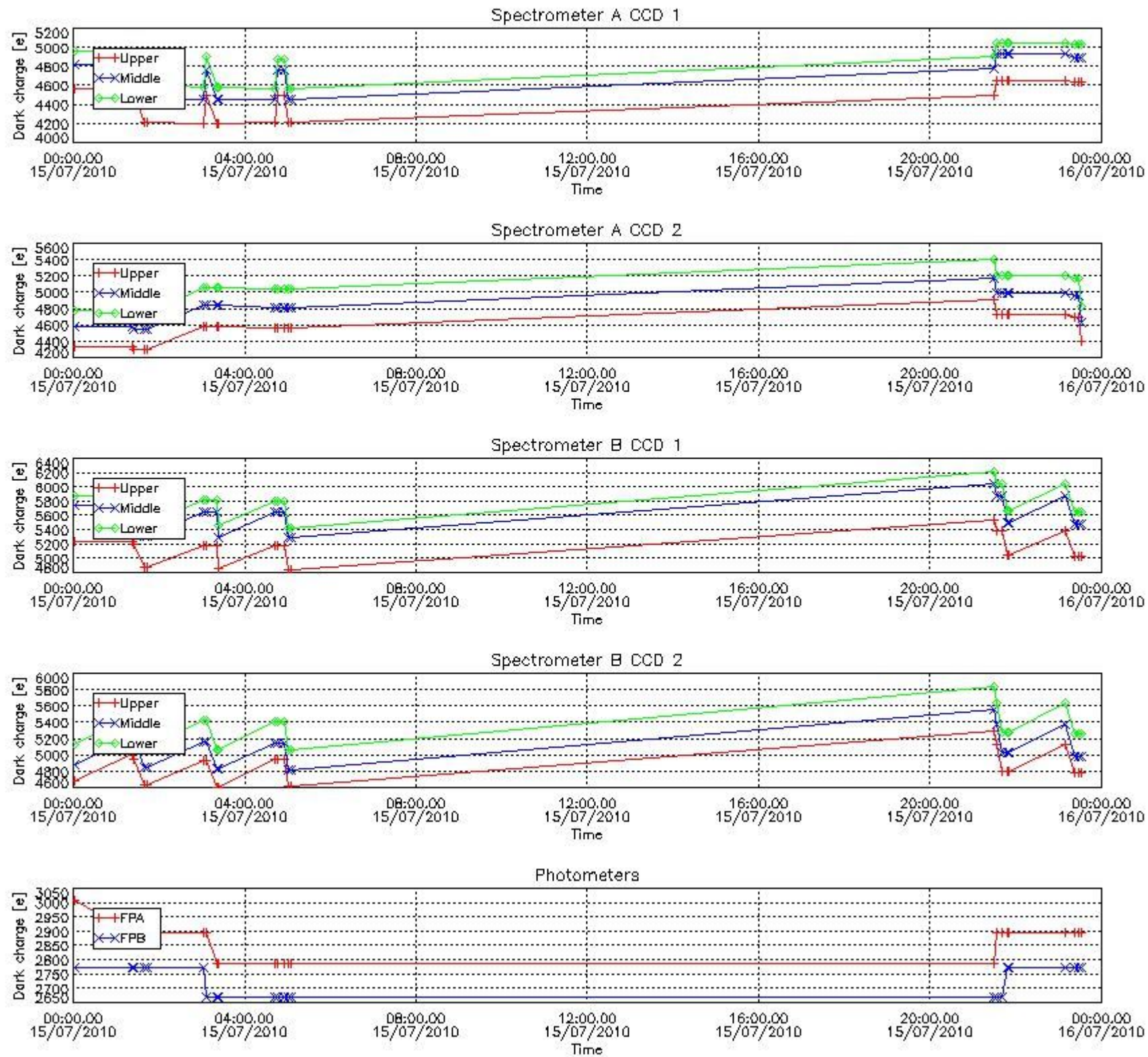
The Dark Charge (DC) is a temperature-dependant signal added to the useful measurements and it is therefore subtracted from them during the processing. There are two phenomena that produce a continuous increase of the DC: the "hot pixels" (a pixel is "hot" when its DC exceeds by a significant amount 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_1PNPDE20100715_202028_000000512091_00143_43784_6991.N1	DC map used
GOM_TRA_1PNPDE20100715_202940_000000402091_00143_43784_6992.N1	DC map used
GOM_TRA_1PNPDE20100715_204021_000000392091_00143_43784_6993.N1	DC map used
GOM_TRA_1PNPDE20100715_204725_000000372091_00143_43784_6994.N1	DC map used
GOM_TRA_1PNPDE20100715_205041_000000442091_00143_43784_6995.N1	DC map used
GOM_TRA_1PNPDE20100715_205753_000000442091_00143_43784_6996.N1	DC map used
GOM_TRA_1PNPDE20100715_210643_000000482091_00143_43784_6997.N1	DC map used
GOM_TRA_1PNPDE20100715_211142_000000412091_00143_43784_6998.N1	DC map used
GOM_TRA_1PNPDE20100715_211303_000000422091_00143_43784_6999.N1	DC map used
GOM_TRA_1PNPDE20100715_211559_000000472091_00143_43784_7000.N1	DC map used
GOM_TRA_1PNPDE20100715_211851_000000422091_00143_43784_7001.N1	DC map used
GOM_TRA_1PNPDE20100715_212125_000000462091_00143_43784_7002.N1	DC map used
GOM_TRA_1PNPDE20100715_212919_000000592091_00143_43784_7003.N1	DC map used

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



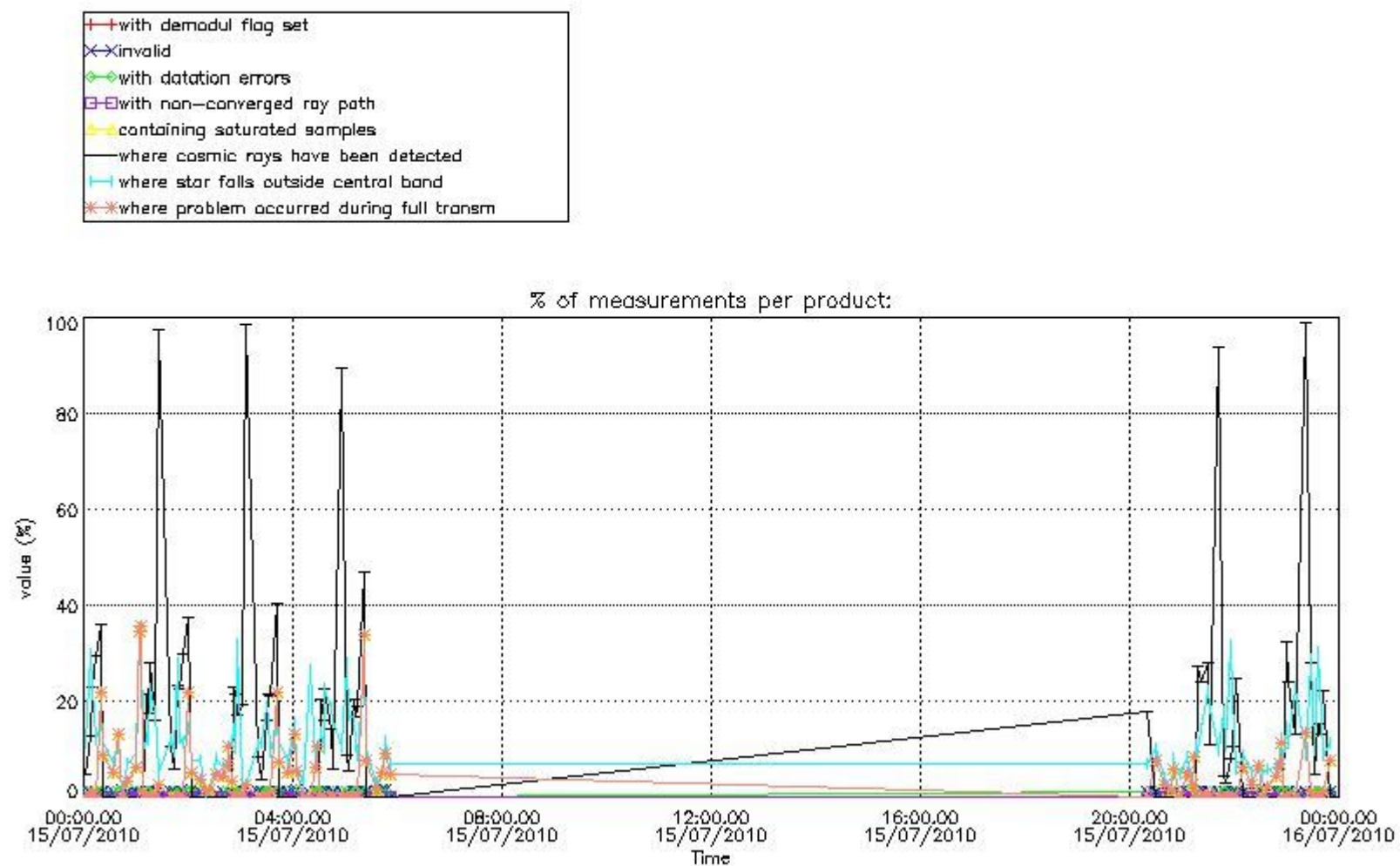
5. Demodulation flag and quality information monitoring

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

5.1 Percentage of products during reporting period with:

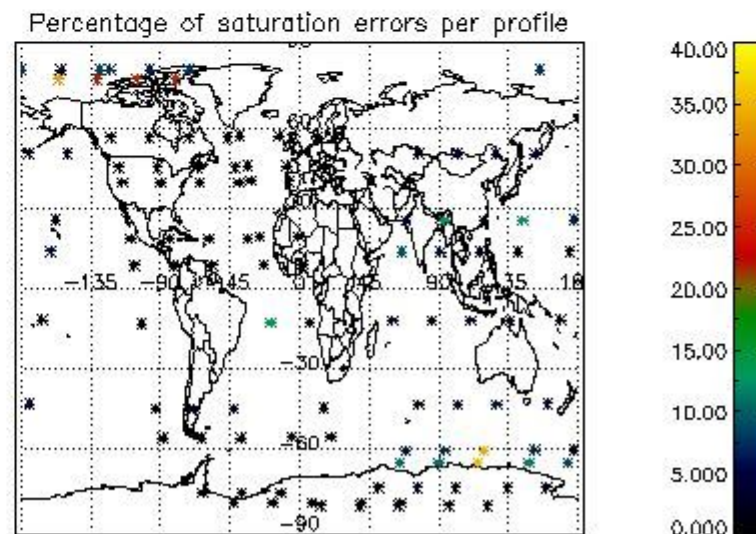
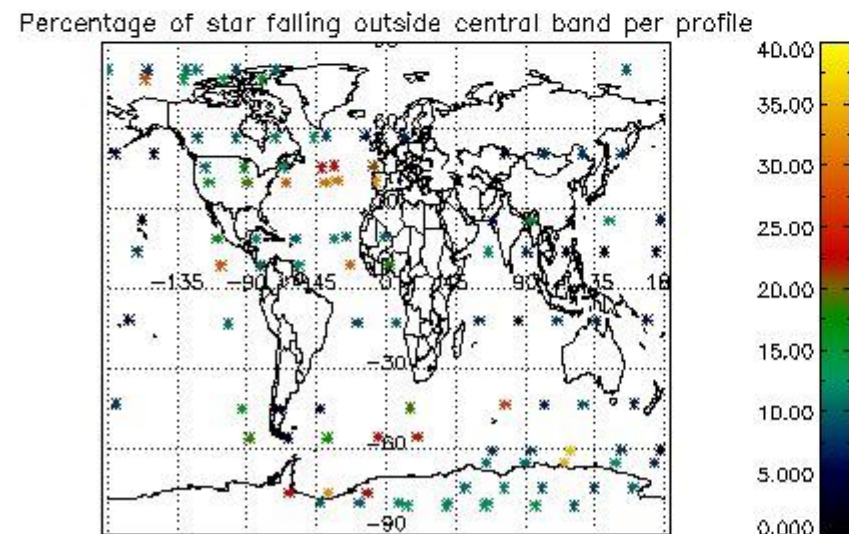
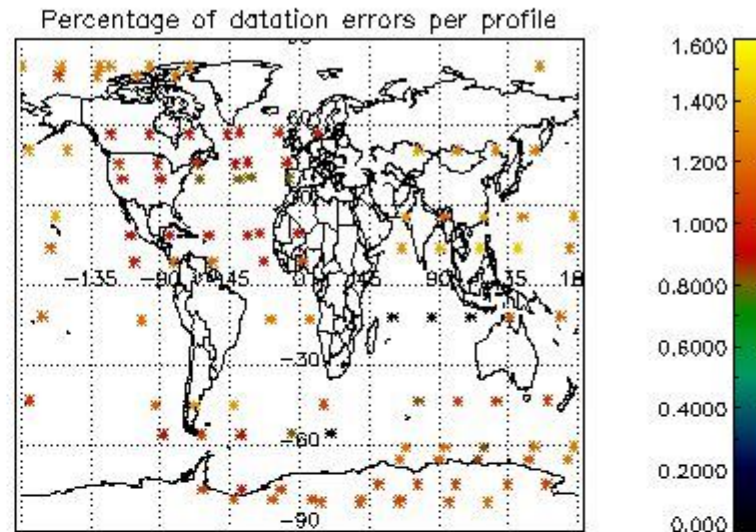
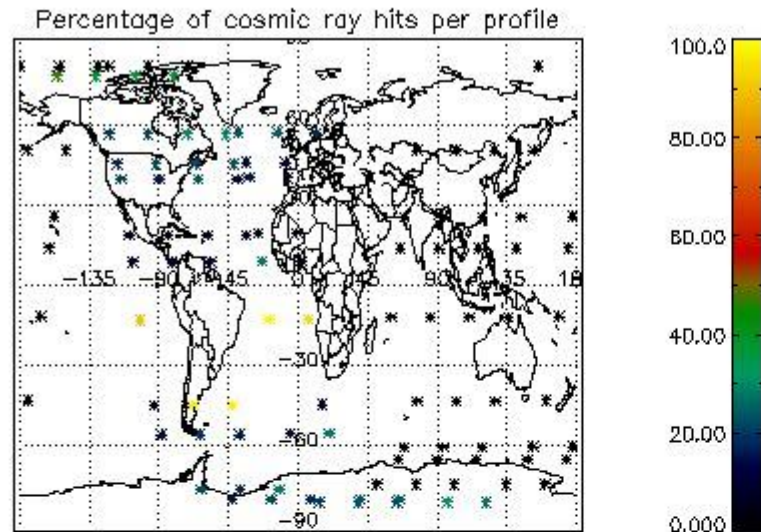
At least one measurement with demodulation flag set:	44.5455 %
Reference spectrum computed from DB:	0.00000 %
Reference spectrum with small number of measurements:	0.00000 %
SATU data not used:	0.00000 %

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)

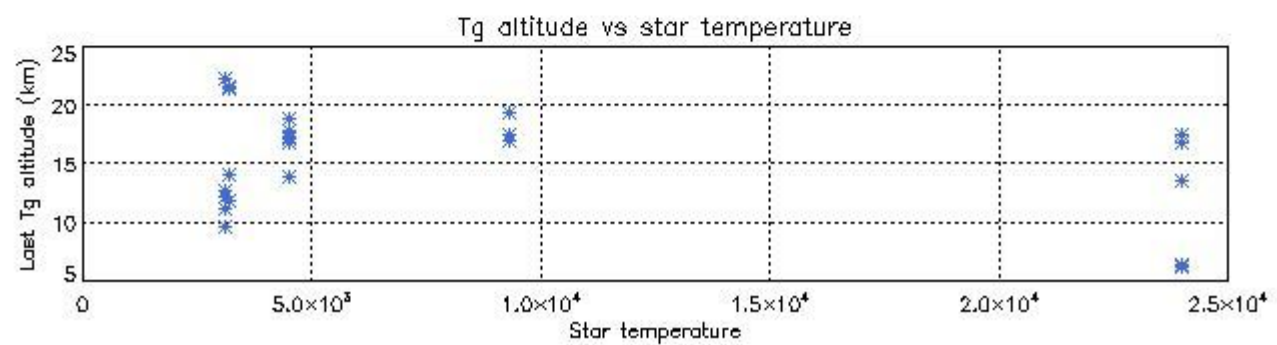
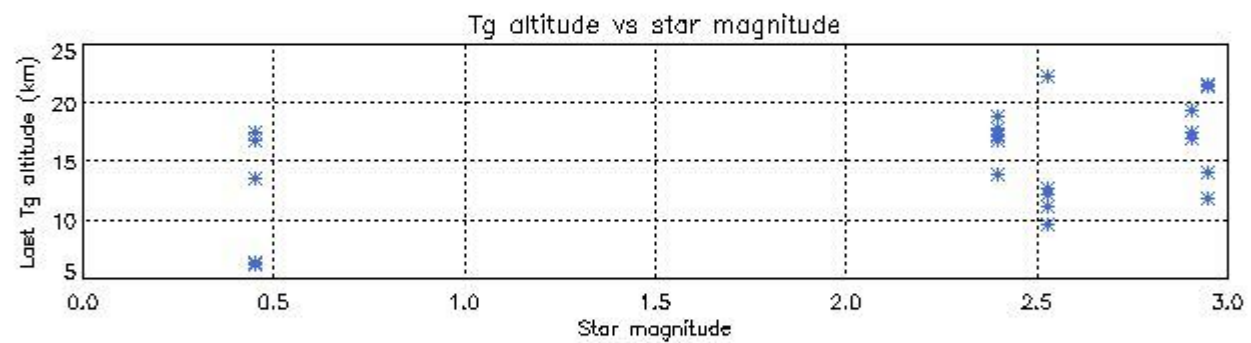
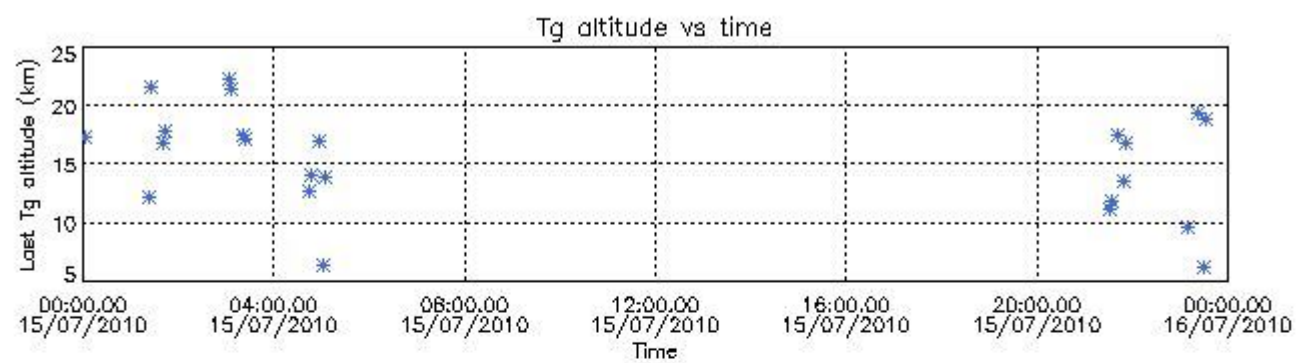
### 6.1 Statistics on tangent altitude lost:

Statistics	DARK	BRIGHT	TWILIGHT
Mean:	15.356	18.953	12.760
St. deviation:	4.4441	4.6439	4.0626
Maximum:	22.296	26.676	16.302
Minimum:	6.2526	4.4275	5.1857
Number of data:	23.000	55.000	8.0000

### 6.2 Plot for DARK limb products

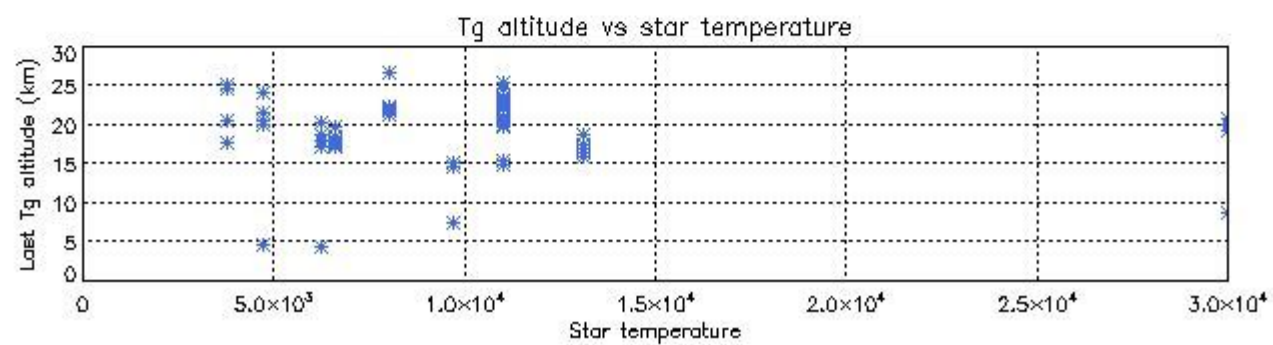
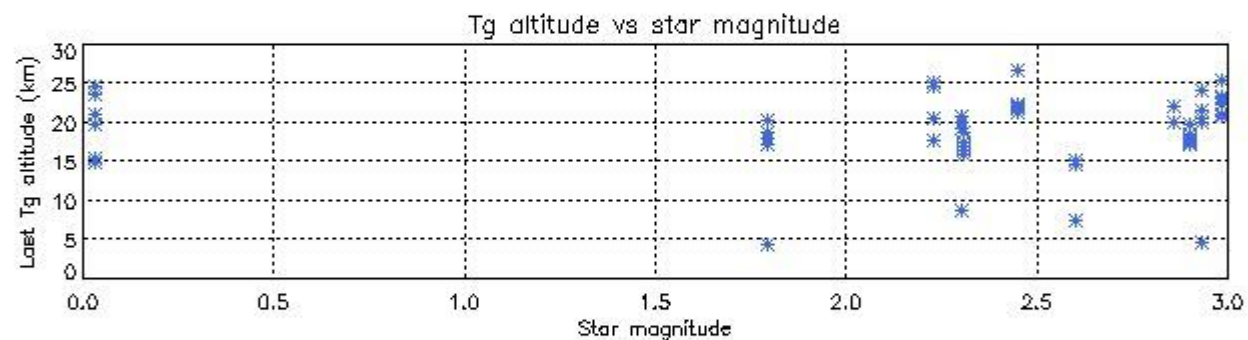
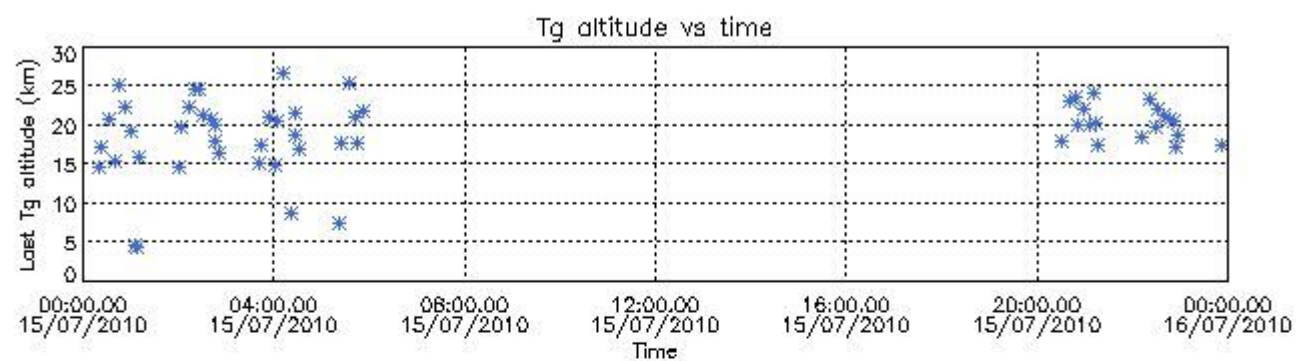


Tangent altitude at which the star is lost



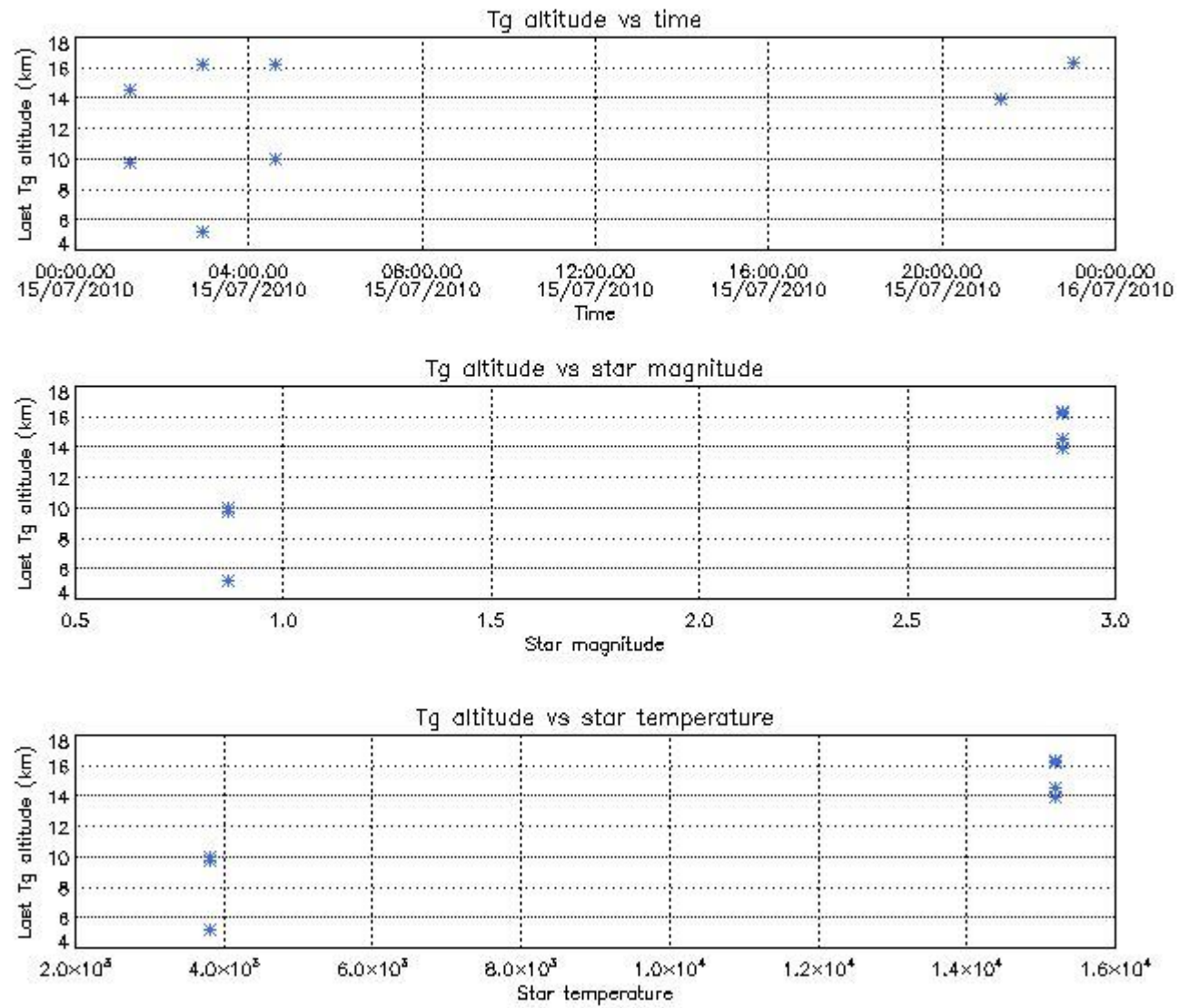
6.3 Plot for BRIGHT limb products

Tangent altitude at which the star is lost



6.3 Plot for TWILIGHT limb products

## Tangent altitude at which the star is lost



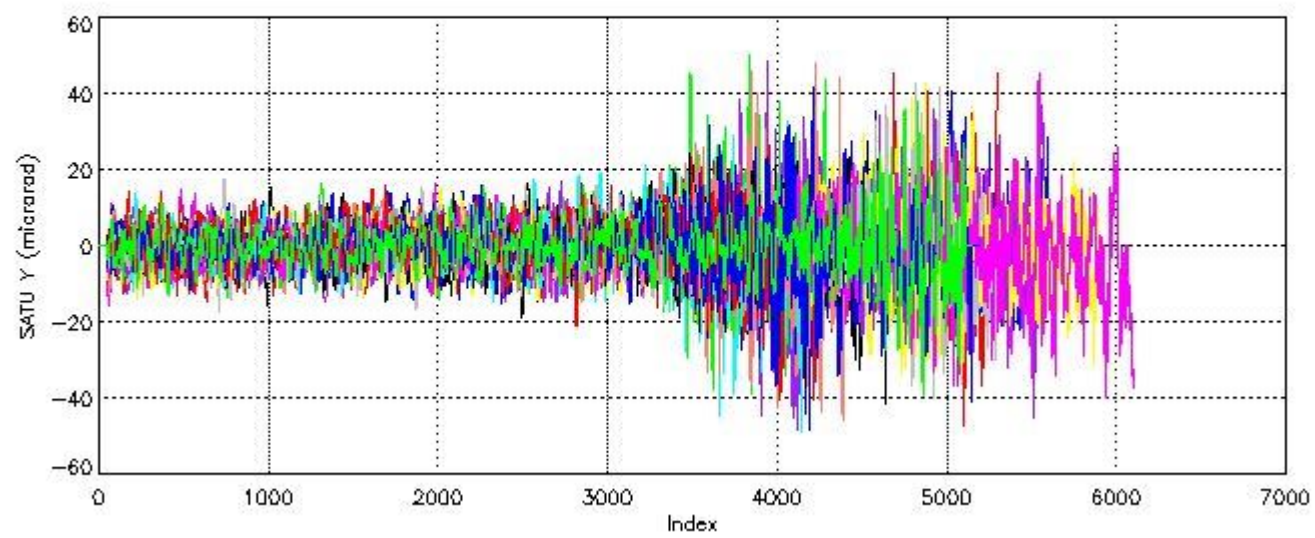
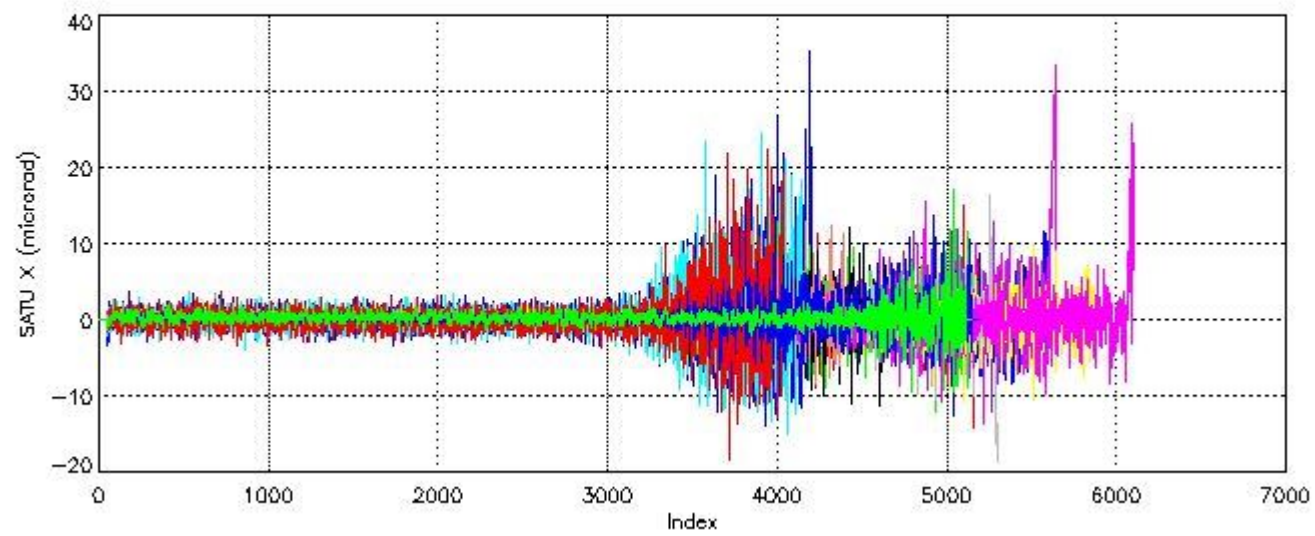
## 7. Star Acquisition and Tracking Unit (SATU)

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:	0.17379	-0.59117	0.18915	-0.40973
St. deviation:	0.46030	4.1535	0.83341	3.8923
Maximum:	3.8000	17.500	5.8000	19.000
Minimum:	-3.9000	-17.300	-5.5000	-21.000

Number of data:	24200.	24200.	53800.	53800.
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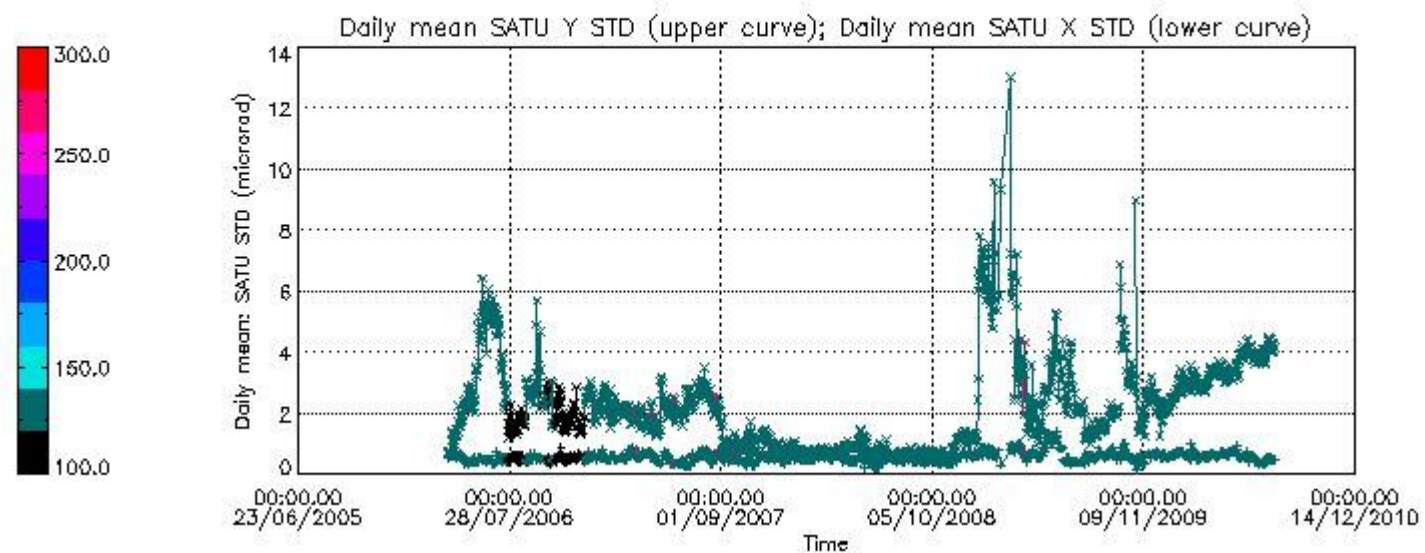
### 7.2.2 Trend of daily SATU NEA St. deviation since 1st April 2006 (dark limb)

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

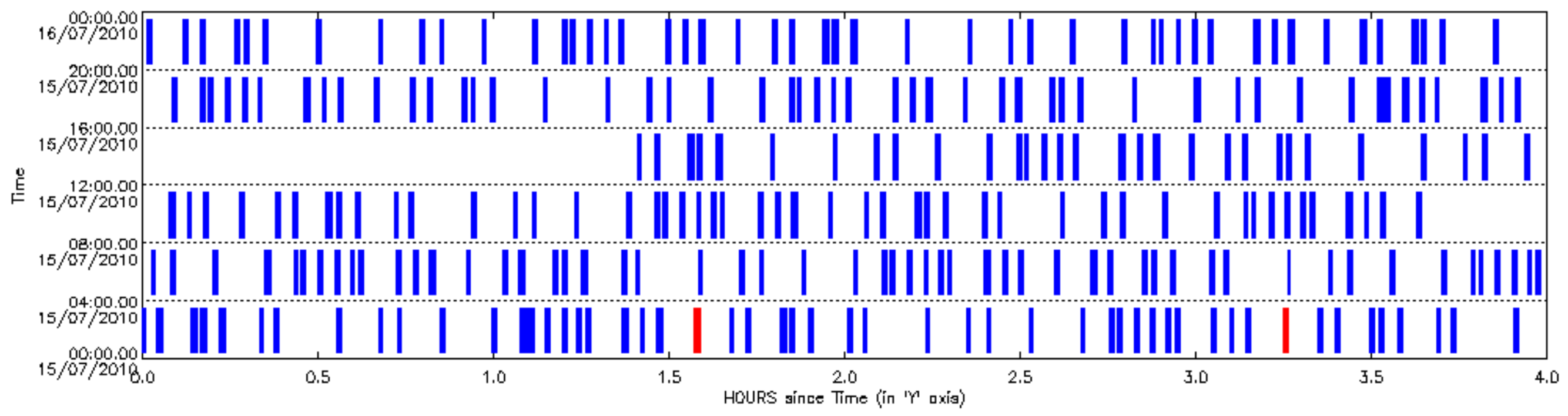
Lower curve: STD of SATU X axis



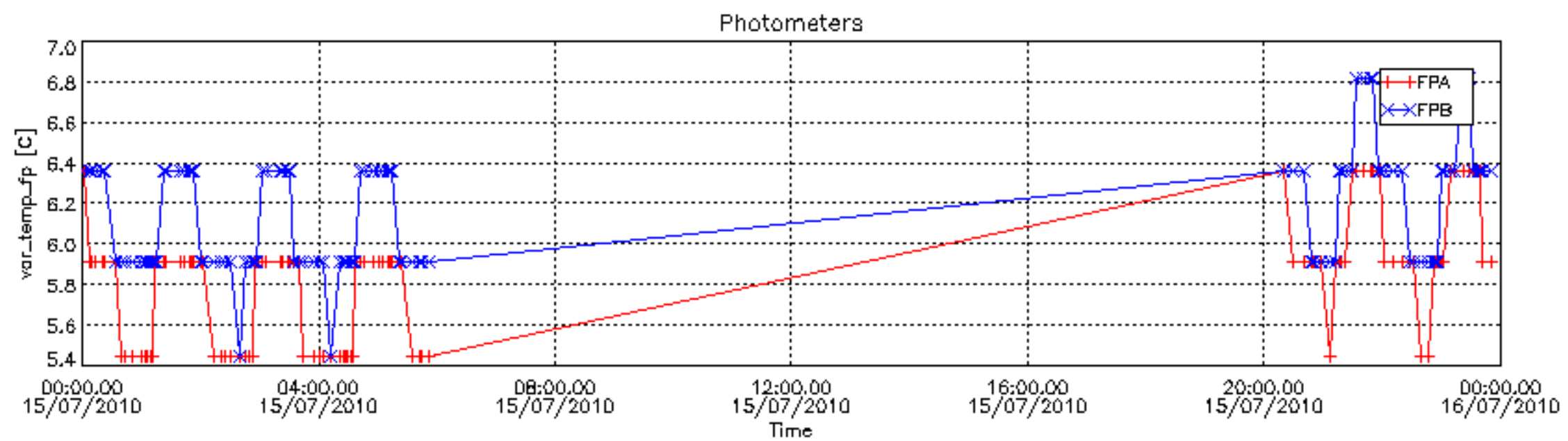
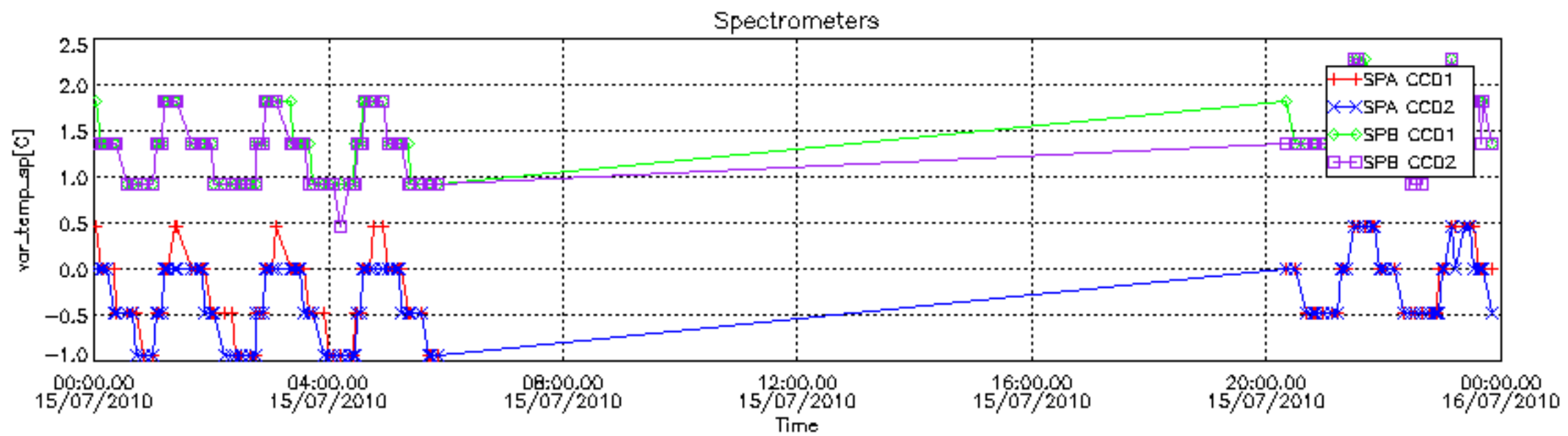
### 8. Auxiliary Data Files used for the production reported in section 2.4

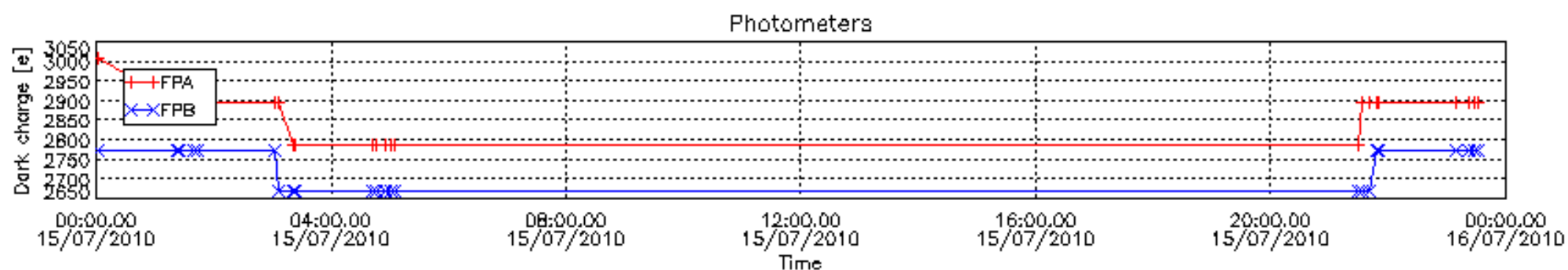
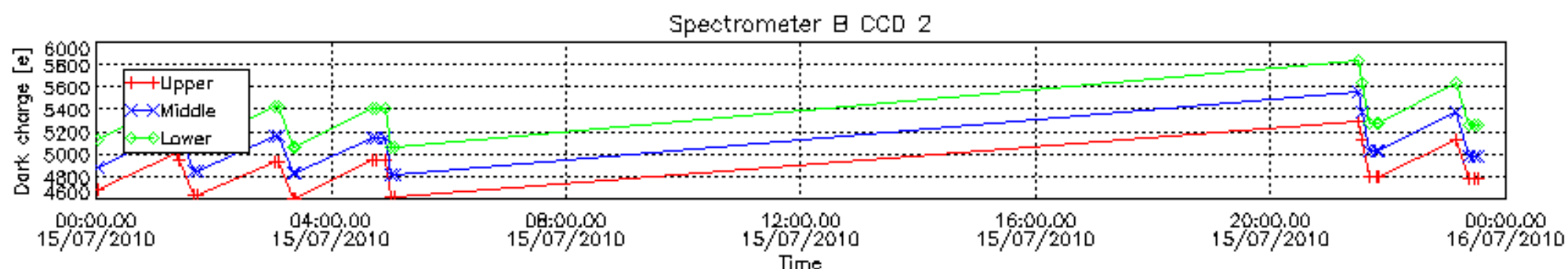
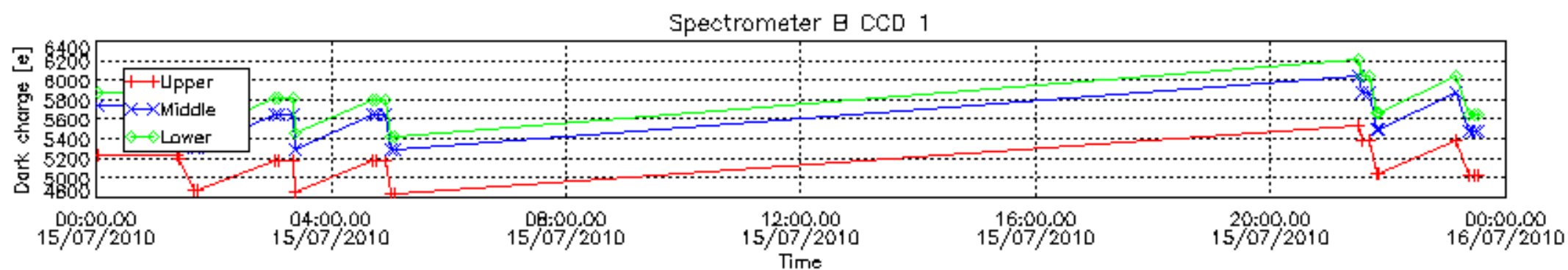
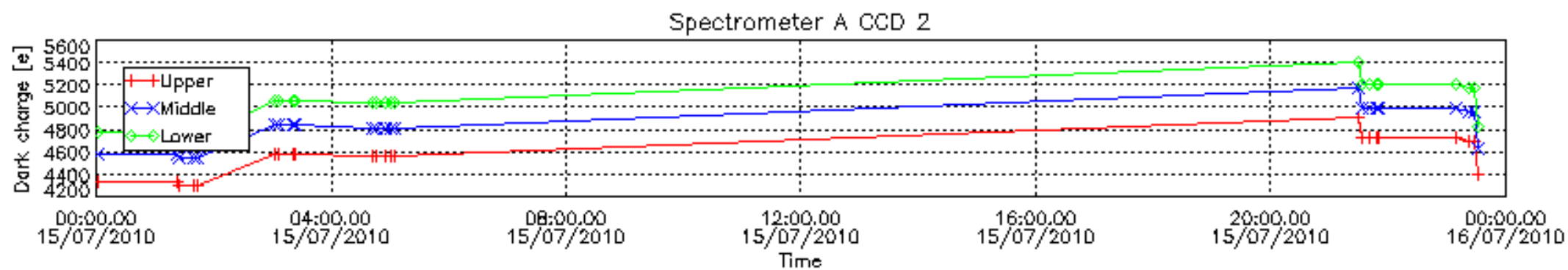
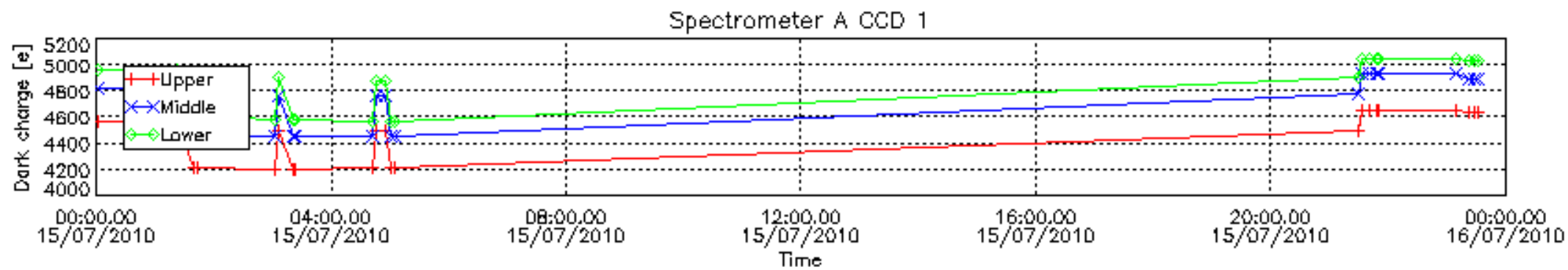
The number reported in the third column indicates since which file (see list in section 2.4) the corresponding auxiliary file has been used. The fourth column is the date of those product files.

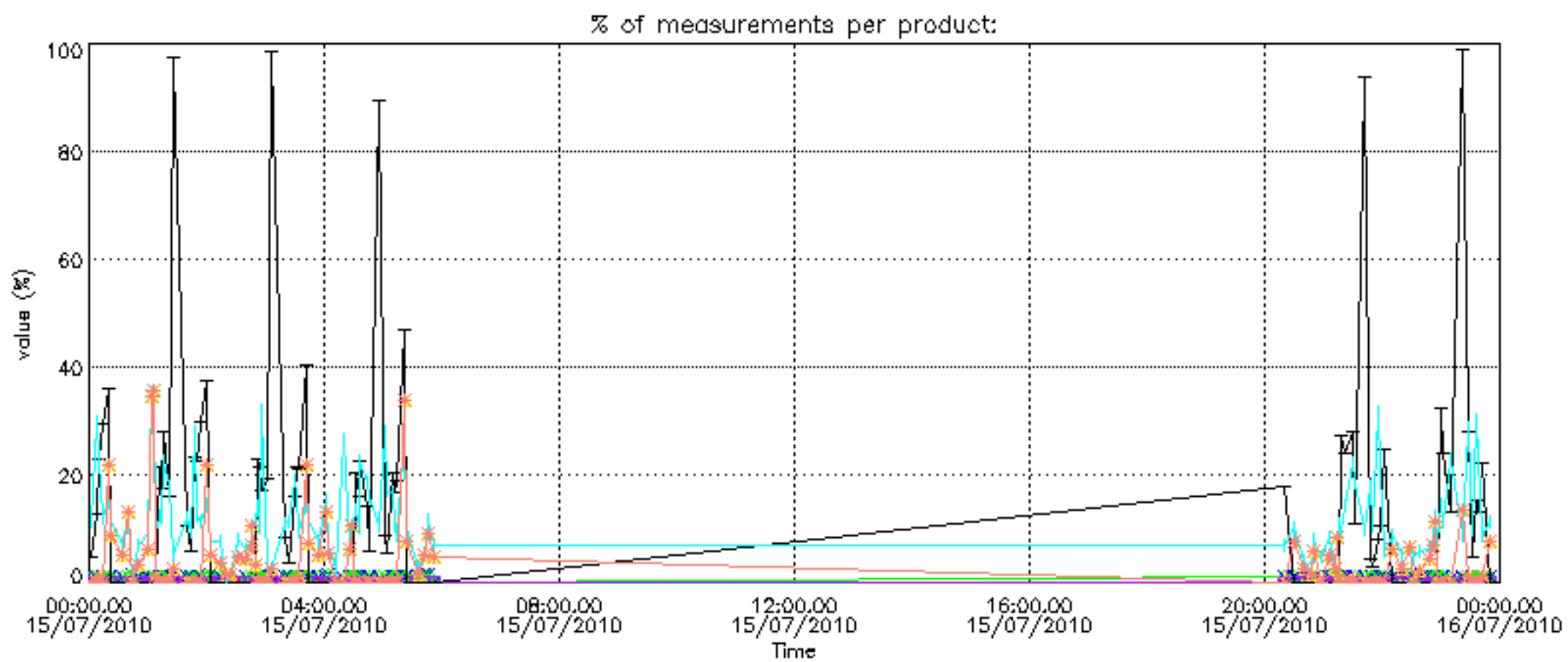
Type	Auxiliary Filename	Used since product	Used since product date
INST_PHYS_CHARACTERISTICS	GOM_INS_AXVIEC20091111_143220_20030716_120000_20500101_000000	1	15-JUL-2010 00:02:24
CALIBRATION_DATABASE	GOM_CAL_AXVIEC20100714_082217_20100712_000000_20500101_000000	1	15-JUL-2010 00:02:24
LEVEL-1B_PROC_CONFIG	GOM_PR1_AXVIEC20091111_145255_20020301_000000_20500101_000000	1	15-JUL-2010 00:02:24
STAR_CATALOGUE	GOM_CAT_AXVIEC20020121_161009_20020101_000000_20200101_000000	1	15-JUL-2010 00:02:24
STELLAR_SPECTRA_DATABANK	GOM_STS_AXVIEC20091111_151504_20020101_160000_20500101_000000	1	15-JUL-2010 00:02:24
ECMWF_FILE	AUX_ECF_AXNECM20100714_054115_20100714_210000_20100715_090000	1	15-JUL-2010 00:02:24
ECMWF_FILE	AUX_ECF_AXNECM20100714_173743_20100715_030000_20100715_150000	51	15-JUL-2010 04:20:48
ECMWF_FILE	AUX_ECF_AXNECM20100715_052113_20100715_150000_20100716_030000	72	15-JUL-2010 20:20:28
ECMWF_FILE	AUX_ECF_AXNECM20100715_054113_20100715_210000_20100716_090000	85	15-JUL-2010 21:32:24
OPTIONAL_ECMWF_FILE	MISSING	1	15-JUL-2010 00:02:24
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20100714_234051_000057382091_00130_43771_0749.N1	1	15-JUL-2010 00:02:24
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20100715_012148_000041442091_00131_43772_0750.N1	19	15-JUL-2010 01:25:06
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20100715_023611_000057382091_00132_43773_0751.N1	31	15-JUL-2010 02:40:13
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20100715_041708_000057382091_00133_43774_0752.N1	51	15-JUL-2010 04:20:48
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20100715_201848_000038252091_00143_43784_0753.N1	72	15-JUL-2010 20:20:28
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20100715_212753_000060572091_00143_43784_0754.N1	85	15-JUL-2010 21:32:24
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20100715_230850_000057382091_00144_43785_0755.N1	104	15-JUL-2010 23:13:00





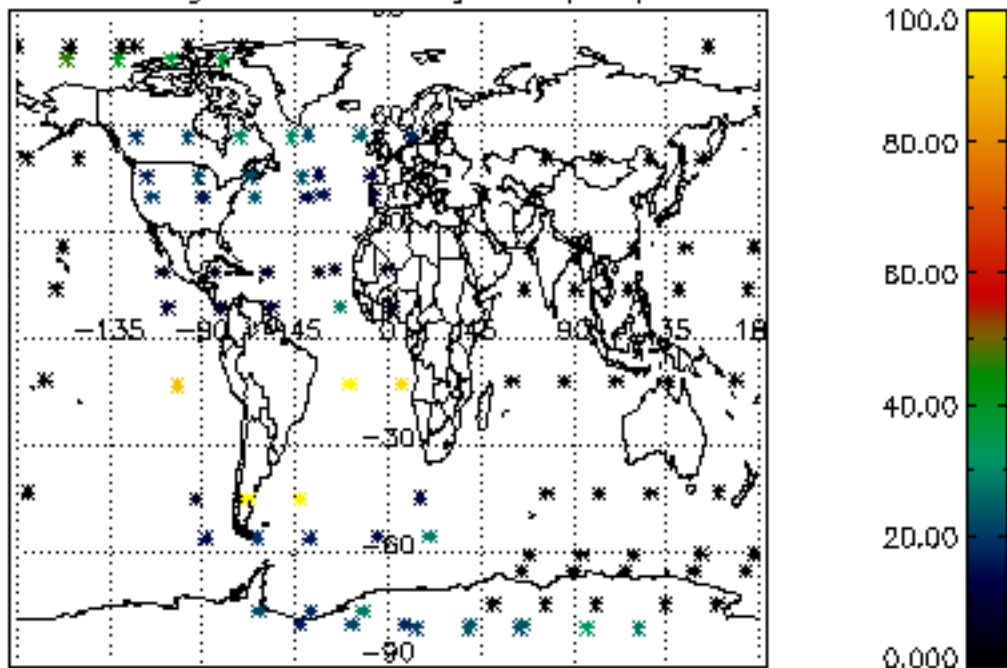




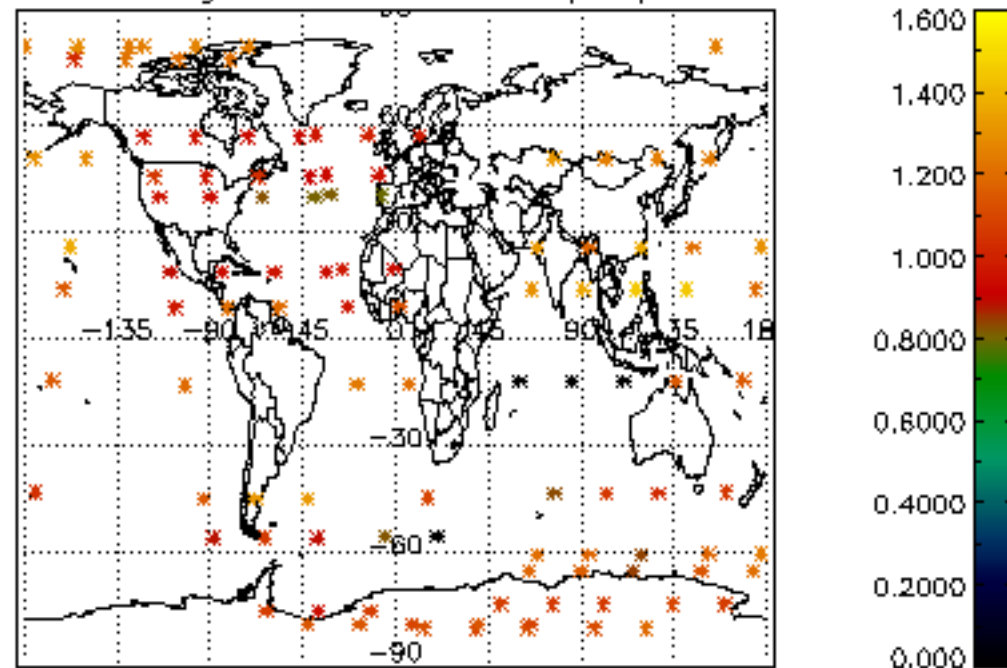




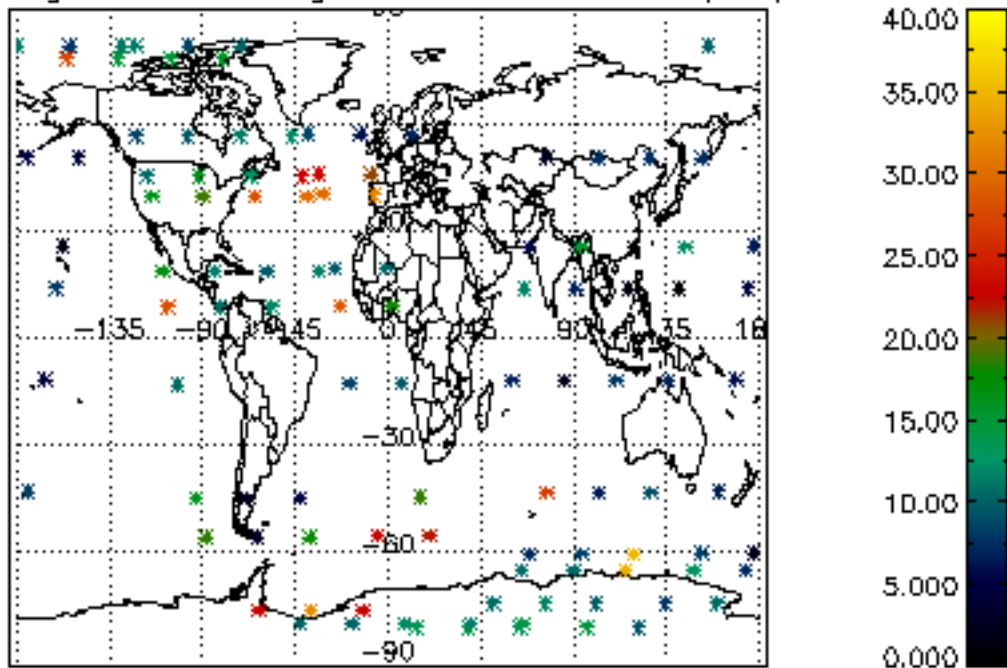
Percentage of cosmic ray hits per profile



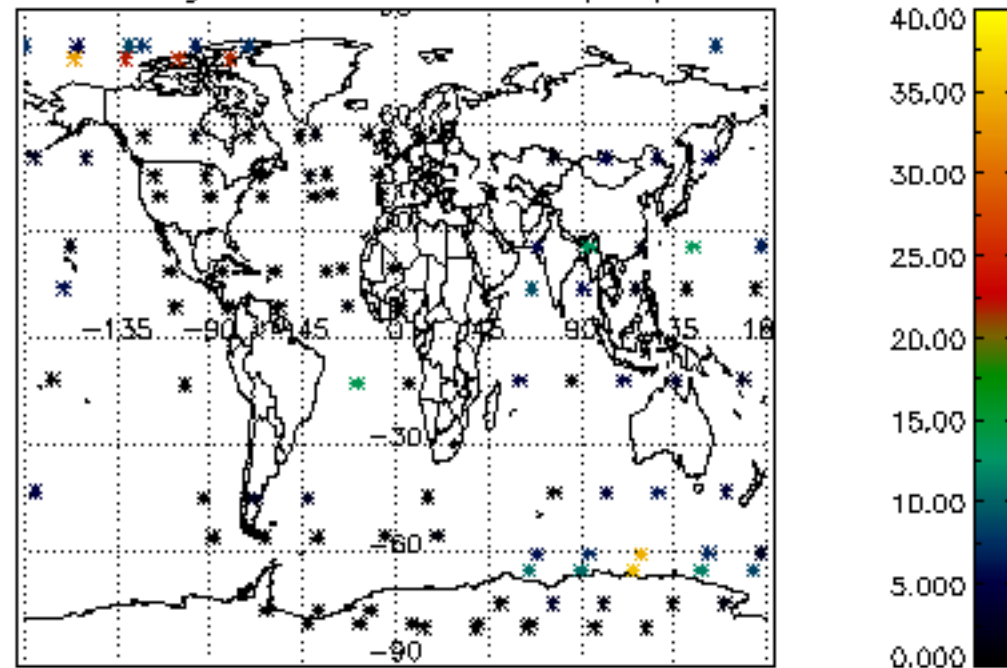
Percentage of datation errors per profile



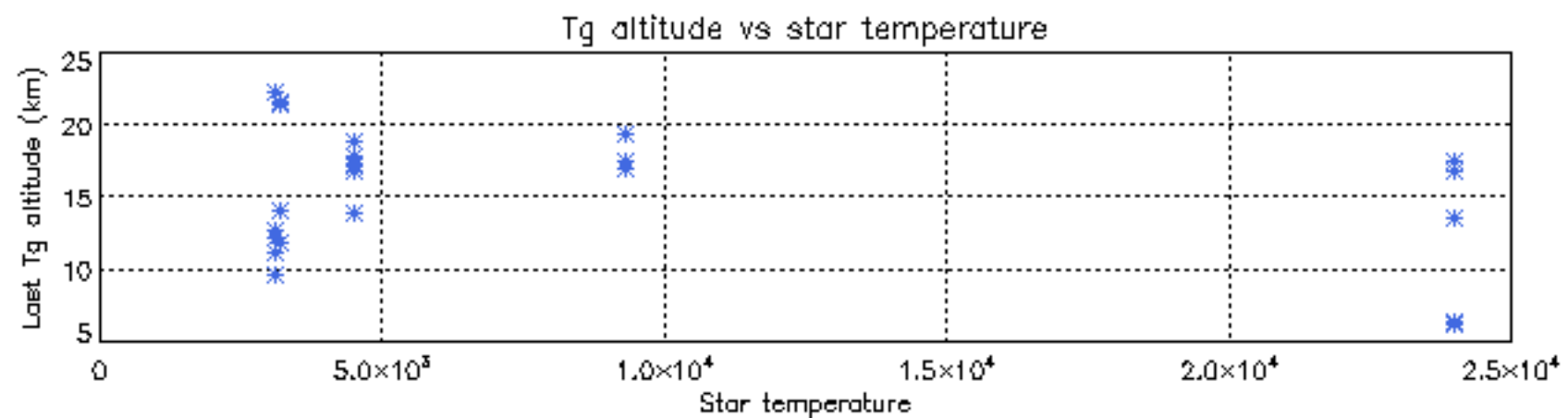
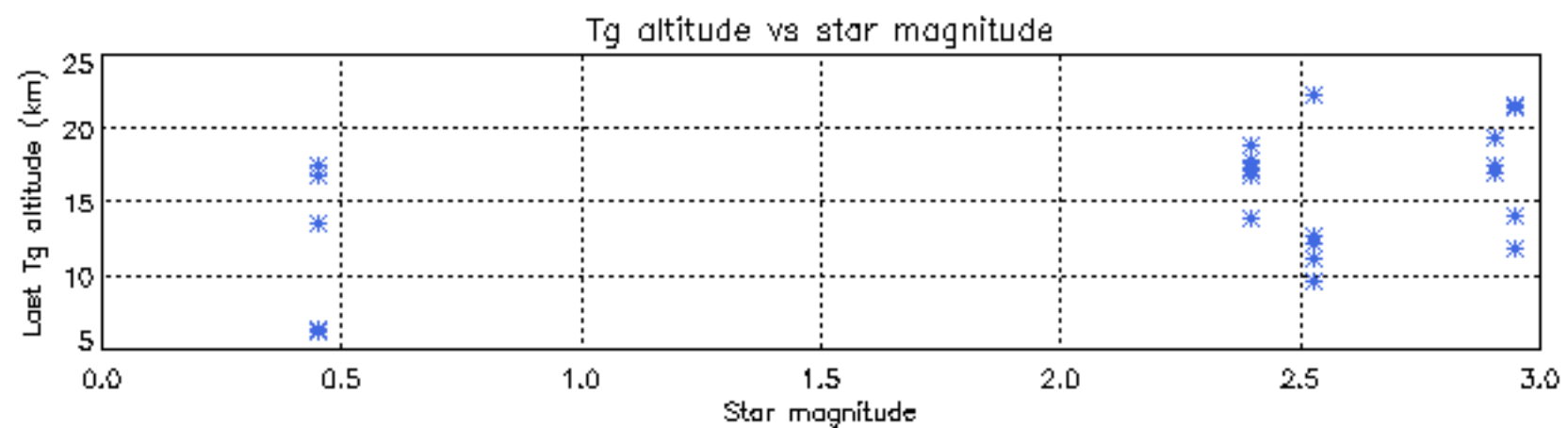
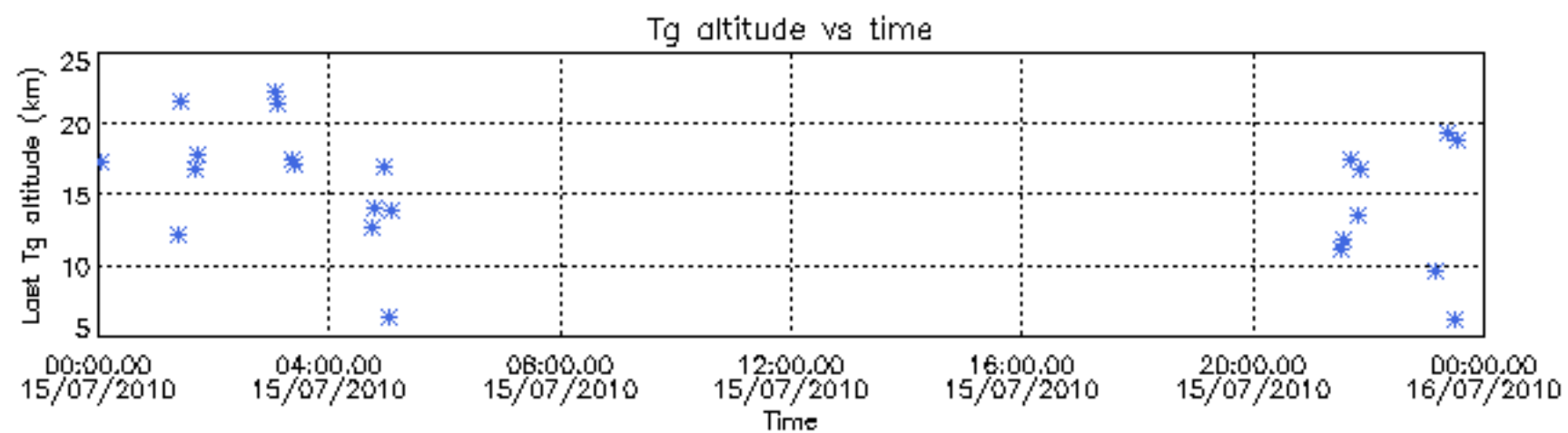
Percentage of star falling outside central band per profile



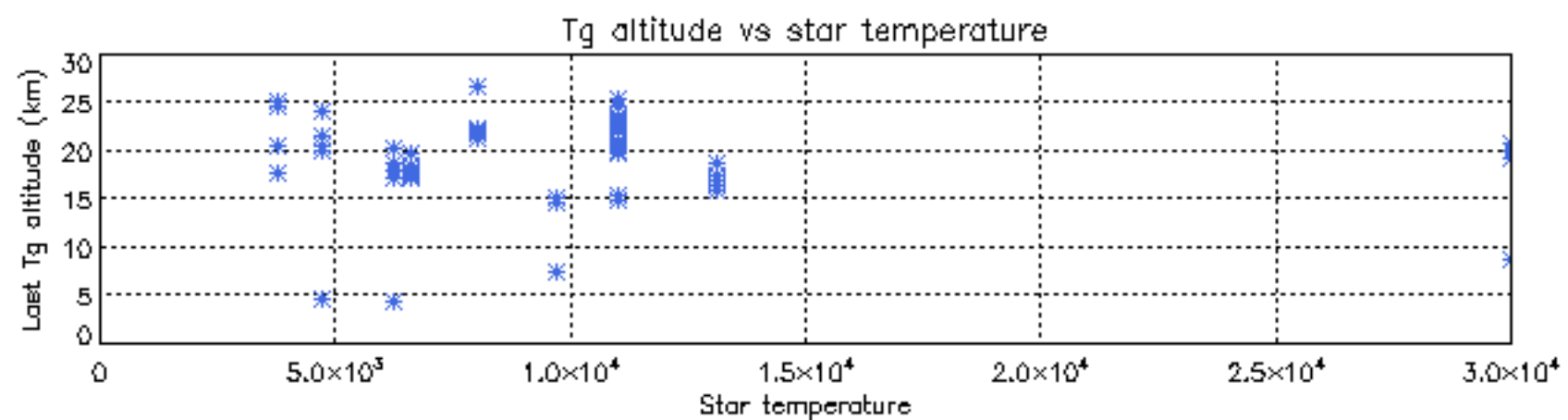
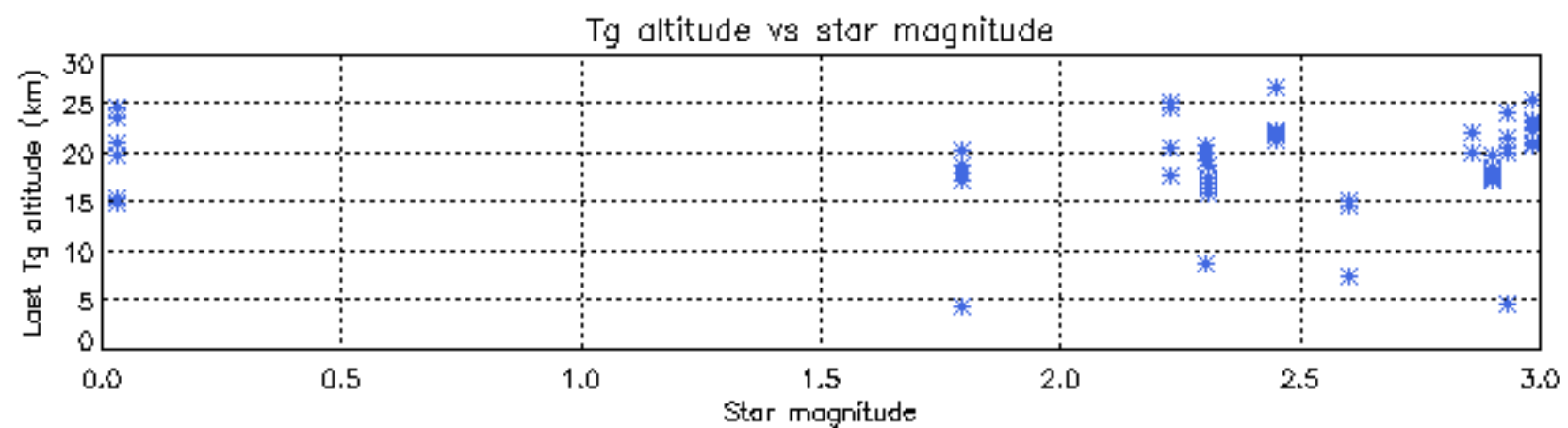
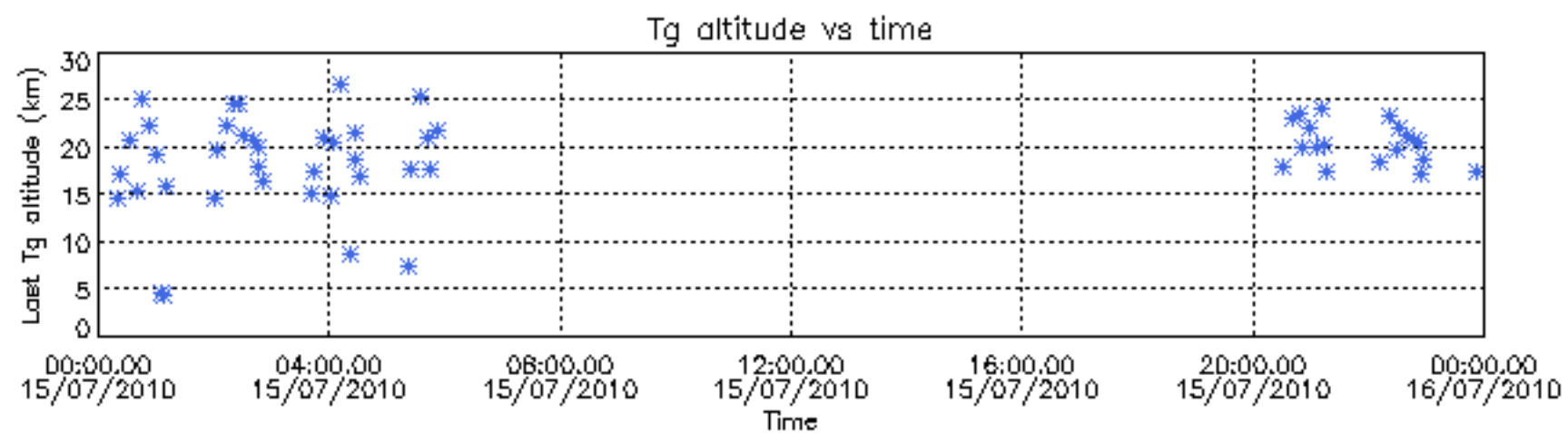
Percentage of saturation errors per profile



Tangent altitude at which the star is lost

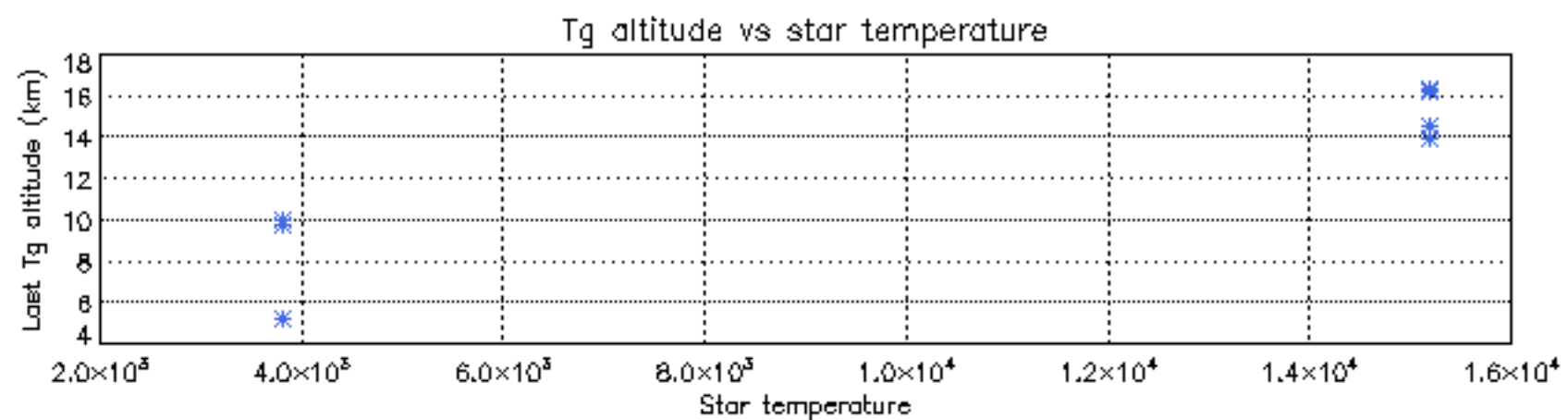
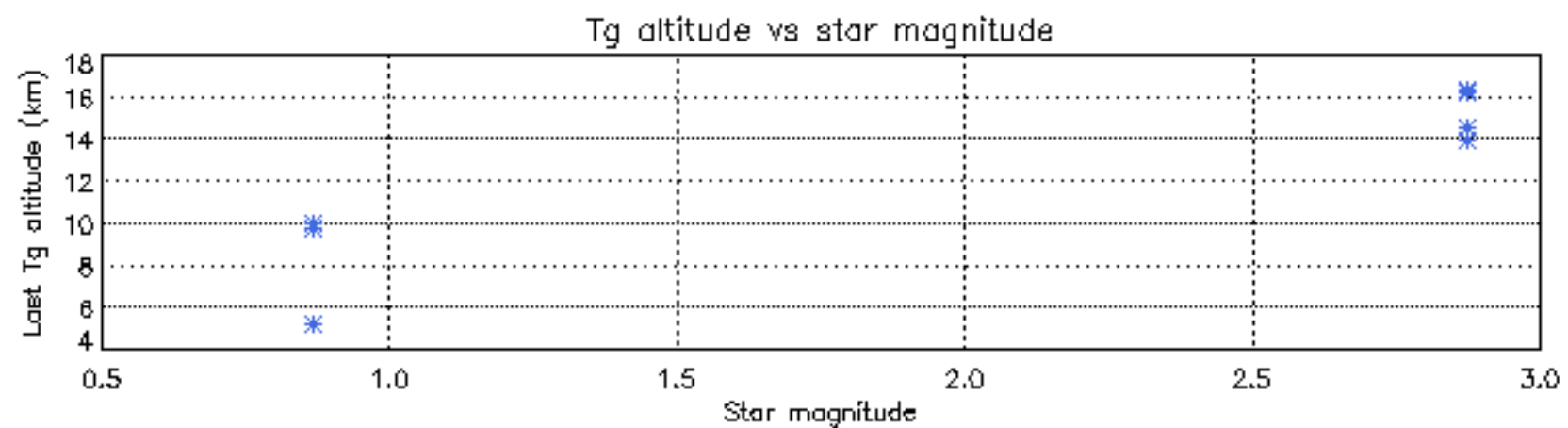
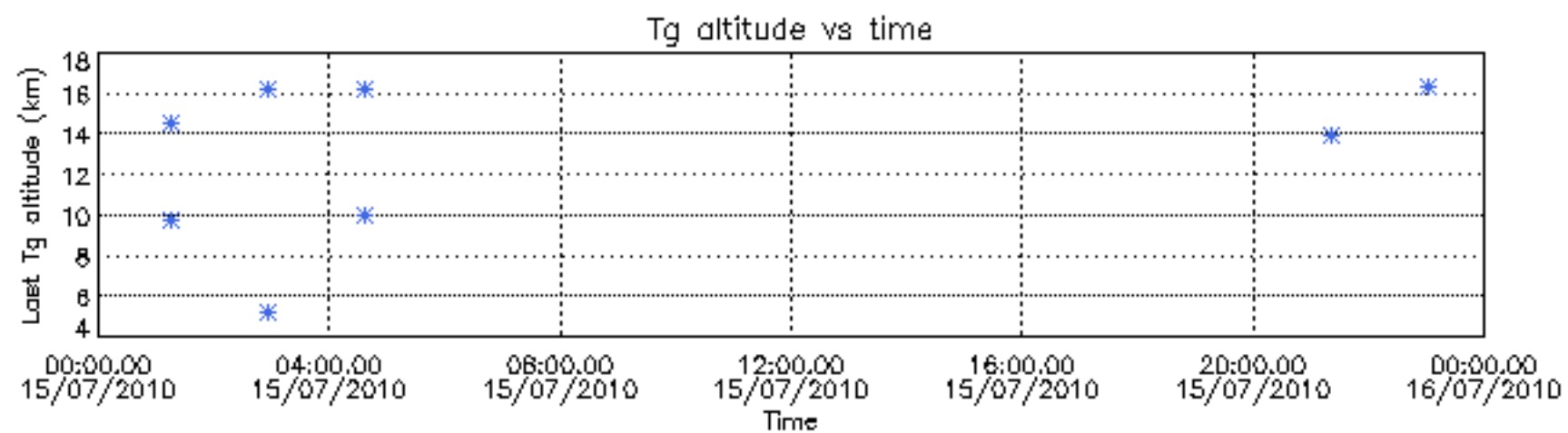


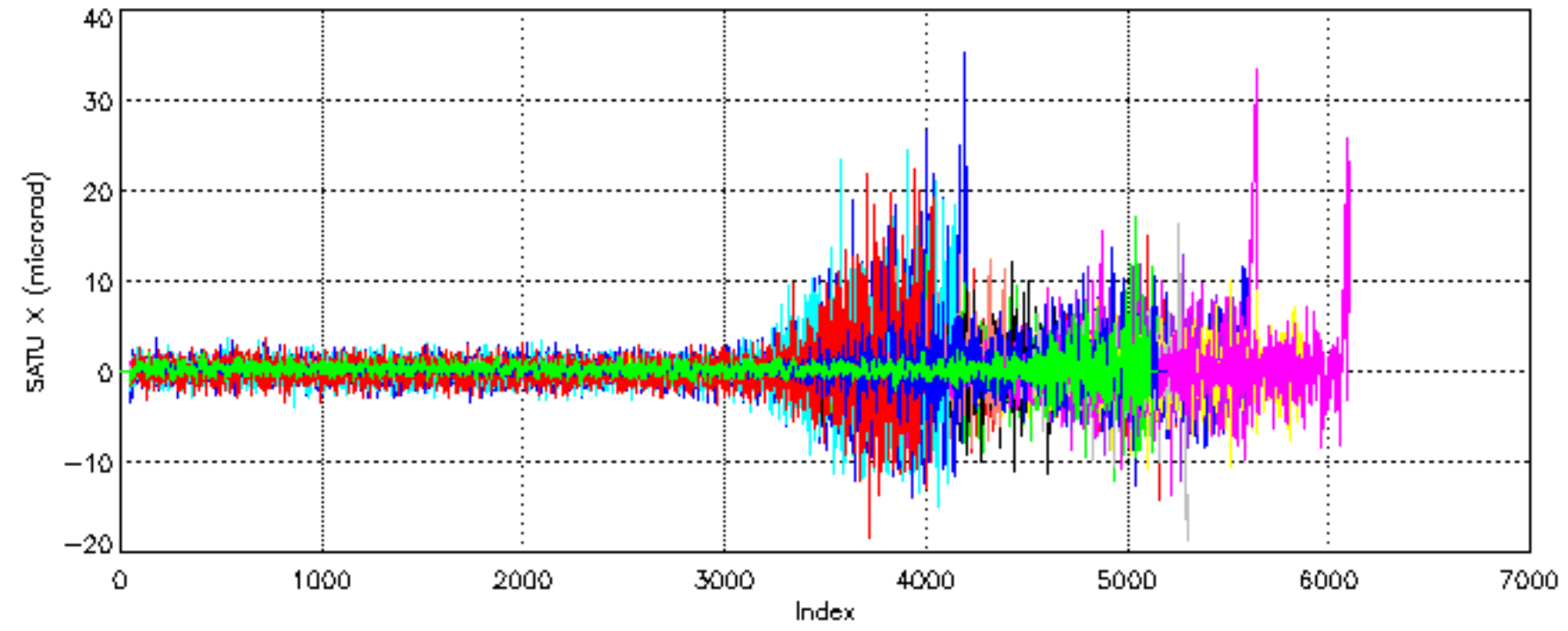
Tangent altitude at which the star is lost

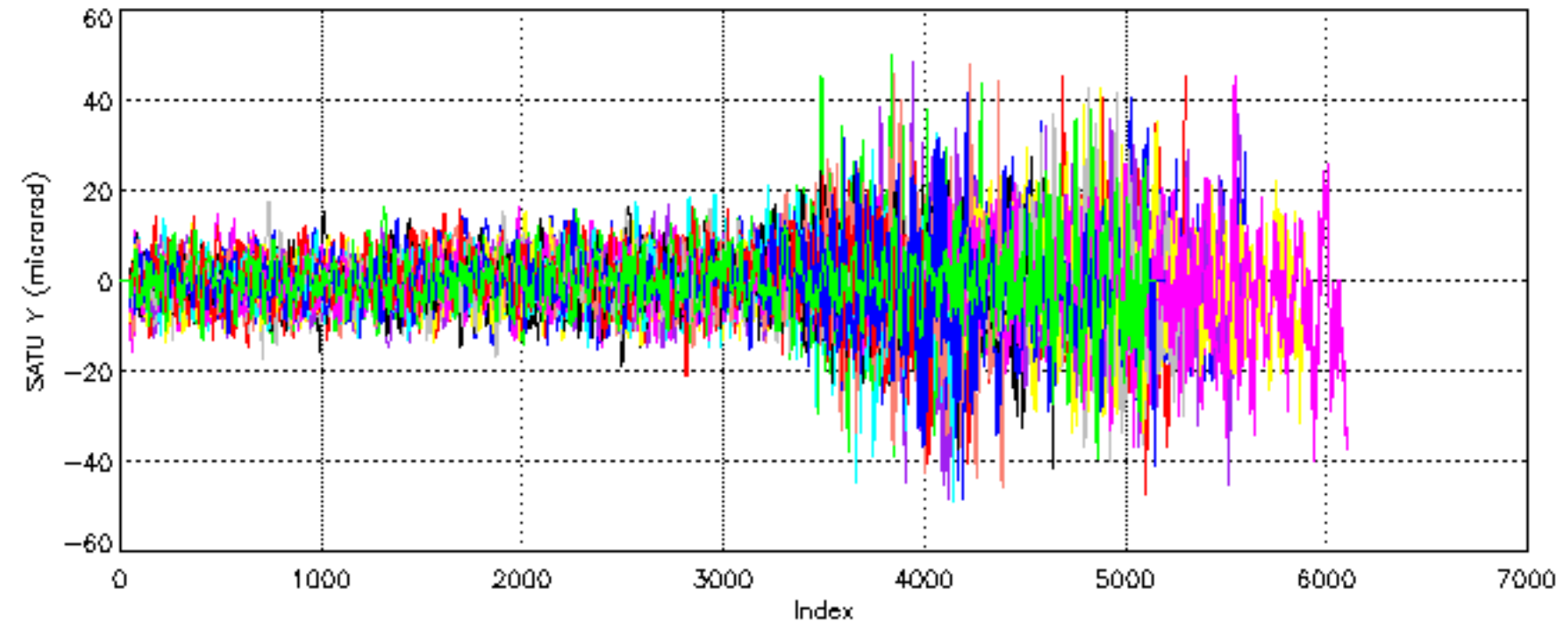


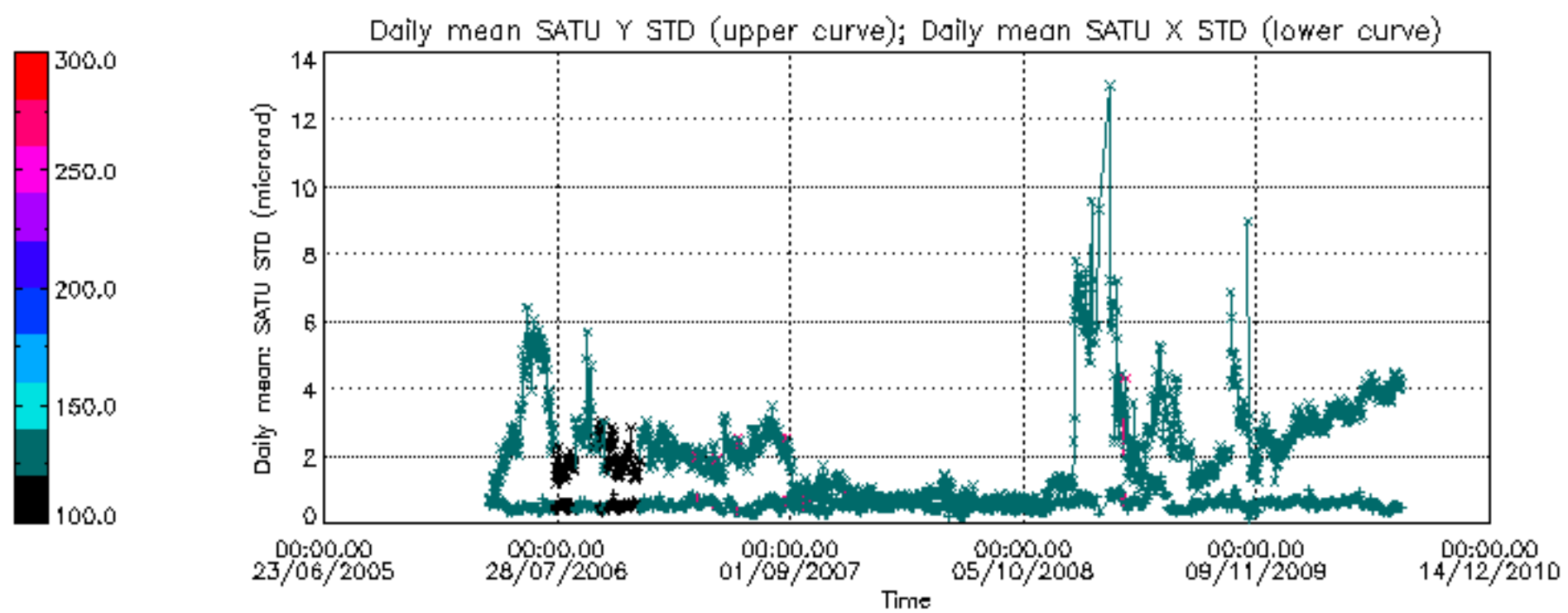


Tangent altitude at which the star is lost











/nas3/ENVISAT/GOMOS/GOM\_NL\_\_0P/GOM\_NL\_\_0PNPDE20100701\_002828\_000055612090\_00431\_43571\_0355.N1

1; -536.4; 01-JUL-2010 00:28:28; Dark ; 59.0; 0; ; 0.00; 0;occ; 118; 0;43571  
 2; 94.6; 01-JUL-2010 00:38:59; Dark ; 52.5; 84; Alp Phe ; 2.40; 4500;occ; 105; 0;43572  
 3; 483.7; 01-JUL-2010 00:45:28; Dark ; 56.5; 63; Bet Gru ; 2.15; 2800;occ; 113; 0;43572  
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 5; 743.9; 01-JUL-2010 00:49:48; Dark ; 40.5; 45; Alp Pav ; 1.94; 26000;occ; 81; 0;43572  
 6; 1314.0; 01-JUL-2010 00:59:18; Dark ; 49.0; 103; 38Zet Sgr ; 2.60; 9700;occ; 98; 0;43572  
 7; 1480.2; 01-JUL-2010 01:02:04; Bright; 46.5; 155; 41Pi Sgr ; 2.90; 6600;occ; 93; 0;43572  
 8; 1981.6; 01-JUL-2010 01:10:26; Bright; 37.5; 126; 60Bet Oph ; 2.77; 4250;occ; 75; 0;43572  
 9; 2121.8; 01-JUL-2010 01:12:46; Bright; 38.0; 59; 55Alp Oph ; 2.08; 8900;occ; 76; 0;43572  
 10; 2233.6; 01-JUL-2010 01:14:38; Bright; 47.5; 168; 17Zet Aql ; 2.99; 11000;occ; 95; 0;43572  
 11; 2652.9; 01-JUL-2010 01:21:37; Bright; 41.0; 5; 3Alp Lyr ; 0.03; 11000;occ; 82; 0;43572  
 12; 2809.4; 01-JUL-2010 01:24:14; Bright; 36.0; 130; 23Bet Dra ; 2.80; 5800;occ; 72; 0;43572  
 13; 2925.2; 01-JUL-2010 01:26:09; Bright; 40.0; 144; 18Del Cyg ; 2.86; 11000;occ; 80; 0;43572  
 14; 3345.6; 01-JUL-2010 01:33:10; Bright; 45.5; 89; 5Alp Cep ; 2.45; 8000;occ; 91; 0;43572  
 15; 3786.1; 01-JUL-2010 01:40:30; Bright; 48.0; 74; 11Bet Cas ; 2.27; 6600;occ; 96; 0;43572  
 16; 3888.2; 01-JUL-2010 01:42:12; Bright; 50.0; 68; 18Alp Cas ; 2.22; 4500;occ; 100; 0;43572  
 17; 4062.4; 01-JUL-2010 01:45:07; Bright; 56.0; 160; 23Gam Per ; 2.93; 4700;occ; 112; 0;43572  
 18; 4266.8; 01-JUL-2010 01:48:31; Bright; 46.0; 73; 57Gam1And ; 2.26; 13100;occ; 92; 0;43572  
 19; 4424.1; 01-JUL-2010 01:51:08; Dark ; 49.5; 173; 4Bet Tri ; 3.00; 8900;occ; 99; 0;43572  
 20; 4678.5; 01-JUL-2010 01:55:23; Dark ; 60.5; 50; 13Alp Ari ; 2.01; 4250;occ; 121; 0;43572  
 21; 4976.2; 01-JUL-2010 02:00:20; Dark ; 48.5; 94; 92Alp Cet ; 2.53; 3100;occ; 97; 0;43572

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 5; 744.6; 01-JUL-2010 02:30:25; Dark ; 46.5; 45; Alp Pav ; 1.94; 26000;occ; 93; 0;43573  
 6; 1314.3; 01-JUL-2010 02:39:54; Dark ; 46.5; 103; 38Zet Sgr ; 2.60; 9700;occ; 93; 0;43573  
 7; 1480.5; 01-JUL-2010 02:42:41; Bright; 46.5; 155; 41Pi Sgr ; 2.90; 6600;occ; 93; 0;43573  
 8; 1982.0; 01-JUL-2010 02:51:02; Bright; 37.0; 126; 60Bet Oph ; 2.77; 4250;occ; 74; 0;43573  
 9; 2121.7; 01-JUL-2010 02:53:22; Bright; 38.0; 59; 55Alp Oph ; 2.08; 8900;occ; 76; 0;43573  
 10; 2233.3; 01-JUL-2010 02:55:13; Bright; 49.5; 168; 17Zet Aql ; 2.99; 11000;occ; 99; 0;43573  
 11; 2652.5; 01-JUL-2010 03:02:13; Bright; 41.5; 5; 3Alp Lyr ; 0.03; 11000;occ; 83; 0;43573  
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 13; 2924.7; 01-JUL-2010 03:06:45; Bright; 40.0; 144; 18Del Cyg ; 2.86; 11000;occ; 80; 0;43573  
 14; 3344.9; 01-JUL-2010 03:13:45; Bright; 47.5; 89; 5Alp Cep ; 2.45; 8000;occ; 95; 0;43573

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 3;-1973.6; 01-JUL-2010 03:25:42; Bright; 51.0; 160; 23Gam Per ; 2.93; 4700;occ; 102; 0;43573  
 4;-1769.2; 01-JUL-2010 03:29:07; Bright; 65.0; 73; 57Gam1And ; 2.26; 13100;occ; 130; 0;43573  
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 8; -534.6; 01-JUL-2010 03:49:41; Dark ; 59.0; 0; ; 0.00; 0;occ; 118; 0;43573  
 9; 96.5; 01-JUL-2010 04:00:13; Dark ; 48.5; 84; Alp Phe ; 2.40; 4500;occ; 97; 0;43574  
 10; 485.6; 01-JUL-2010 04:06:42; Dark ; 52.5; 63; Bet Gru ; 2.15; 2800;occ; 105; 0;43574  
 11; 602.3; 01-JUL-2010 04:08:38; Dark ; 51.0; 31; Alp Gru ; 1.73; 15200;occ; 102; 0;43574  
 12; 744.8; 01-JUL-2010 04:11:01; Dark ; 43.0; 45; Alp Pav ; 1.94; 26000;occ; 86; 0;43574  
 13; 1314.7; 01-JUL-2010 04:20:31; Dark ; 45.0; 103; 38Zet Sgr ; 2.60; 9700;occ; 90; 0;43574  
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 15; 1480.4; 01-JUL-2010 04:23:16; Bright; 46.5; 155; 41Pi Sgr ; 2.90; 6600;occ; 93; 0;43574  
 16; 1981.9; 01-JUL-2010 04:31:38; Bright; 37.0; 126; 60Bet Oph ; 2.77; 4250;occ; 74; 0;43574  
 17; 2121.8; 01-JUL-2010 04:33:58; Bright; 37.0; 59; 55Alp Oph ; 2.08; 8900;occ; 74; 0;43574  
 18; 2232.8; 01-JUL-2010 04:35:49; Bright; 48.5; 168; 17Zet Aql ; 2.99; 11000;occ; 97; 0;43574  
 19; 2652.2; 01-JUL-2010 04:42:48; Bright; 44.5; 5; 3Alp Lyr ; 0.03; 11000;occ; 89; 0;43574  
 20; 2809.2; 01-JUL-2010 04:45:25; Bright; 36.5; 130; 23Bet Dra ; 2.80; 5800;occ; 73; 0;43574  
 21; 2923.6; 01-JUL-2010 04:47:20; Bright; 45.0; 144; 18Del Cyg ; 2.86; 11000;occ; 90; 0;43574  
 22; 3344.5; 01-JUL-2010 04:54:21; Bright; 43.0; 89; 5Alp Cep ; 2.45; 8000;occ; 86; 0;43574

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 2;-2148.9; 01-JUL-2010 05:03:23; Bright; 69.0; 68; 18Alp Cas ; 2.22; 4500;occ; 138; 0;43574  
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11; 602.8; 01-JUL-2010 05:49:15; Dark ; 48.0; 31; Alp Gru ; 1.73; 15200;occ; 96; 0;43575
12; 745.4; 01-JUL-2010 05:51:37; Dark ; 41.0; 45; Alp Pav ; 1.94; 26000;occ; 82; 0;43575
13; 1314.8; 01-JUL-2010 06:01:07; Dark ; 45.5; 103; 38Zet Sgr ; 2.60; 9700;occ; 91; 0;43575
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15; 1480.9; 01-JUL-2010 06:03:53; Bright; 45.0; 155; 41Pi Sgr ; 2.90; 6600;occ; 90; 0;43575
16; 1982.2; 01-JUL-2010 06:12:14; Bright; 37.0; 126; 60Bet Oph ; 2.77; 4250;occ; 74; 0;43575
17; 2121.9; 01-JUL-2010 06:14:34; Bright; 37.0; 59; 55Alp Oph ; 2.08; 8900;occ; 74; 0;43575
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19; 2651.8; 01-JUL-2010 06:23:24; Bright; 45.0; 5; 3Alp Lyr ; 0.03; 11000;occ; 90; 0;43575
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21; 2923.1; 01-JUL-2010 06:27:55; Bright; 45.0; 144; 18Del Cyg ; 2.86; 11000;occ; 90; 0;43575
22; 3343.8; 01-JUL-2010 06:34:56; Bright; 45.0; 89; 5Alp Cep ; 2.45; 8000;occ; 90; 0;43575
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3; -1973.8; 01-JUL-2010 06:46:54; Bright; 49.0; 160; 23Gam Per ; 2.93; 4700;occ; 98; 0;43575
4; -1769.3; 01-JUL-2010 06:50:19; Bright; 51.5; 73; 57Gam1And ; 2.26; 13100;occ; 103; 0;43575
5; -1611.1; 01-JUL-2010 06:52:57; Dark ; 47.0; 173; 4Bet Tri ; 3.00; 8900;occ; 94; 0;43575
6; -1356.0; 01-JUL-2010 06:57:12; Dark ; 56.5; 50; 13Alp Ari ; 2.01; 4250;occ; 113; 0;43575
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8; -532.8; 01-JUL-2010 07:10:55; Dark ; 59.0; 0; ; 0.00; 0;occ; 118; 0;43575
9; 98.8; 01-JUL-2010 07:21:27; Dark ; 52.0; 84; Alp Phe ; 2.40; 4500;occ; 104; 0;43576
10; 487.4; 01-JUL-2010 07:27:55; Dark ; 65.0; 63; Bet Gru ; 2.15; 2800;occ; 130; 0;43576
11; 604.0; 01-JUL-2010 07:29:52; Dark ; 59.5; 31; Alp Gru ; 1.73; 15200;occ; 119; 0;43576
12; 745.9; 01-JUL-2010 07:32:14; Dark ; 49.0; 45; Alp Pav ; 1.94; 26000;occ; 98; 0;43576
13; 1315.1; 01-JUL-2010 07:41:43; Dark ; 48.5; 103; 38Zet Sgr ; 2.60; 9700;occ; 97; 0;43576
14; 1389.2; 01-JUL-2010 07:42:57; Bright; 44.0; 57; 34Sig Sgr ; 2.07; 26000;occ; 88; 0;43576
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4; 2651.5; 01-JUL-2010 08:03:59; Bright; 48.0; 5; 3Alp Lyr ; 0.03; 11000;occ; 96; 0;43576
5; 2808.8; 01-JUL-2010 08:06:37; Bright; 39.0; 130; 23Bet Dra ; 2.80; 5800;occ; 78; 0;43576
6; 2921.8; 01-JUL-2010 08:08:30; Bright; 49.0; 144; 18Del Cyg ; 2.86; 11000;occ; 98; 0;43576
7; 3343.1; 01-JUL-2010 08:15:31; Bright; 43.5; 89; 5Alp Cep ; 2.45; 8000;occ; 87; 0;43576
8; 3784.4; 01-JUL-2010 08:22:52; Bright; 50.0; 74; 11Bet Cas ; 2.27; 6600;occ; 100; 0;43576
9; 3876.7; 01-JUL-2010 08:24:25; Bright; 43.5; 110; 37Del Cas ; 2.68; 8900;occ; 87; 0;43576
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11; 4165.5; 01-JUL-2010 08:29:14; Bright; 34.0; 175; 39Del Per ; 3.01; 19400;occ; 68; 0;43576
12; 4266.5; 01-JUL-2010 08:30:54; Bright; 49.5; 73; 57Gam1And ; 2.26; 13100;occ; 99; 0;43576
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16; 5504.0; 01-JUL-2010 08:51:32; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;43576
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3; 2647.3; 01-JUL-2010 21:28:43; Bright; 39.5; 5; 3Alp Lyr ; 0.03; 11000;occ; 79; 0;43584
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5; 3132.5; 01-JUL-2010 21:36:48; Bright; 55.5; 19; 50Alp Cyg ; 1.25; 10500;occ; 111; 0;43584
6; 3337.8; 01-JUL-2010 21:40:13; Bright; 47.5; 89; 5Alp Cep ; 2.45; 8000;occ; 95; 0;43584
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10; 4419.5; 01-JUL-2010 21:58:15; Dark ; 72.5; 53; 43Bet And ; 2.05; 3300;occ; 145; 0;43584
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6; 1482.8; 01-JUL-2010 22:49:54; Bright; 45.5; 155; 41Pi Sgr ; 2.90; 6600;occ; 91; 0;43585
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5; 598.1; 02-JUL-2010 00:15:45; Dark ; 96.5; 18; 24Alp PsA ; 1.17; 9700;occ; 193; 0;43586
6; 787.6; 02-JUL-2010 00:18:55; Dark ; 56.5; 172; Gam Gru ; 3.00; 13100;occ; 113; 0;43586
7; 1482.7; 02-JUL-2010 00:30:30; Bright; 45.5; 155; 41Pi Sgr ; 2.90; 6600;occ; 91; 0;43586
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6; 802.4; 02-JUL-2010 23:47:33; Dark ; 57.0; 172; Gam Gru ; 3.00; 13100;occ; 114; 0;43600
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8; 4265.4; 02-JUL-2010 11:20:28; Bright; 56.5; 73; 57Gam1And ; 2.26; 13100;occ; 113; 0;43592
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3;-1617.0; 06-JUL-2010 00:53:34; Dark ; 81.5; 53; 43Bet And ; 2.05; 3300;occ; 163; 0;43643
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3; 2858.8; 06-JUL-2010 20:34:45; Bright; 46.5; 144; 18Del Cyg ; 2.86; 11000;occ; 93; 0;43655
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7; 3851.4; 06-JUL-2010 20:51:18; Bright; 44.0; 110; 37Del Cas ; 2.68; 8900;occ; 88; 0;43655
8; 4259.8; 06-JUL-2010 20:58:06; Bright; 54.5; 73; 57Gam1And ; 2.26; 13100;occ; 109; 0;43655
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5; 742.6; 08-JUL-2010 00:29:40; Dark ; 81.0; 18; 24Alp PsA ; 1.17; 9700;occ; 162; 0;43672
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5; -1541.3; 29-JUL-2010 03:53:04; Dark ; 52.0; 150; 44Zet Per ; 2.89; 28000;occ; 104; 0;43974
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16; 895.1; 29-JUL-2010 04:33:41; Dark ; 44.0; 31; Alp Gru ; 1.73; 15200;occ; 88; 0;43975
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11; 4630.4; 29-JUL-2010 10:37:44; Dark ; 40.0; 176; 23Zet Tau ; 3.02; 22000;occ; 80; 0;43978
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13; 4896.1; 29-JUL-2010 10:42:09; Dark ; 45.0; 27; 24Gam Ori ; 1.64; 26000;occ; 90; 0;43978
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14; 5160.8; 30-JUL-2010 08:34:21; Dark ; 46.5; 7; 19Bet Ori ; 0.10; 14000;occ; 93; 0;43991
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16; 5715.1; 30-JUL-2010 08:43:36; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;43991
17; 5986.1; 30-JUL-2010 08:48:06; Dark ; 44.0; 157; The1Eri ; 2.91; 9300;occ; 88; 0;43991
18; 6324.1; 30-JUL-2010 08:53:45; Dark ; 43.0; 9; Alp Eri ; 0.45; 24000;occ; 86; 0;43992
19; 6599.5; 30-JUL-2010 08:58:20; Dark ; 67.0; 84; Alp Phe ; 2.40; 4500;occ; 134; 0;43992
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5; 3102.9; 30-JUL-2010 09:40:39; Bright; 39.0; 89; 5Alp Cep ; 2.45; 8000;occ; 78; 0;43992
6; 3988.5; 30-JUL-2010 09:55:25; Bright; 68.0; 160; 23Gam Per ; 2.93; 4700;occ; 136; 0;43992
7; 4085.3; 30-JUL-2010 09:57:02; Bright; 49.5; 35; 33Alp Per ; 1.79; 6250;occ; 99; 0;43992
8; 4199.9; 30-JUL-2010 09:58:56; Bright; 41.0; 6; 13Alp Aur ; 0.08; 3400;occ; 82; 0;43992
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16; 5715.8; 30-JUL-2010 10:24:12; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;43992
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3; 2700.7; 30-JUL-2010 11:14:33; Bright; 38.5; 144; 18Del Cyg ; 2.86; 11000;occ; 77; 0;43993
4; 2778.9; 30-JUL-2010 11:15:51; Bright; 47.0; 19; 50Alp Cyg ; 1.25; 10500;occ; 94; 0;43993
5; 3102.2; 30-JUL-2010 11:21:14; Bright; 42.0; 89; 5Alp Cep ; 2.45; 8000;occ; 84; 0;43993
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7; 4085.5; 30-JUL-2010 11:37:38; Bright; 49.0; 35; 33Alp Per ; 1.79; 6250;occ; 98; 0;43993
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9; 4316.3; 30-JUL-2010 11:41:29; Bright; 58.5; 149; 45Eps Per ; 2.89; 30000;occ; 117; 0;43993
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11; 4633.6; 30-JUL-2010 11:46:46; Dark ; 40.5; 176; 23Zet Tau ; 3.02; 22000;occ; 81; 0;43993

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 13; 4901.1; 30-JUL-2010 11:51:13; Dark ; 42.0; 27; 24Gam Ori ; 1.64; 26000;occ; 84; 0;43993  
 14; 5161.4; 30-JUL-2010 11:55:34; Dark ; 50.0; 7; 19Bet Ori ; 0.10; 14000;occ; 100; 0;43993  
 15; 5423.7; 30-JUL-2010 11:59:56; Dark ; 54.0; 165; 34Gam Eri ; 2.95; 3200;occ; 108; 0;43993  
 16; 5716.4; 30-JUL-2010 12:04:49; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;43993  
 17; 5987.6; 30-JUL-2010 12:09:20; Dark ; 45.5; 157; The1Eri ; 2.91; 9300;occ; 91; 0;43993  
 18; 6325.7; 30-JUL-2010 12:14:58; Dark ; 43.5; 9; Alp Eri ; 0.45; 24000;occ; 87; 0;43994  
 19; 6601.4; 30-JUL-2010 12:19:34; Dark ; 56.5; 84; Alp Phe ; 2.40; 4500;occ; 113; 0;43994  
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 21; 7130.8; 30-JUL-2010 12:28:23; Dark ; 47.0; 172; Gam Gru ; 3.00; 13100;occ; 94; 0;43994

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 4; 4085.1; 30-JUL-2010 13:18:13; Bright; 49.0; 35; 33Alp Per ; 1.79; 6250;occ; 98; 0;43994  
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 12; 5424.5; 30-JUL-2010 13:40:33; Dark ; 52.5; 165; 34Gam Eri ; 2.95; 3200;occ; 105; 0;43994  
 13; 5717.1; 30-JUL-2010 13:45:25; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;43994  
 14; 5988.7; 30-JUL-2010 13:49:57; Dark ; 45.0; 157; The1Eri ; 2.91; 9300;occ; 90; 0;43994  
 15; 6325.8; 30-JUL-2010 13:55:34; Dark ; 44.5; 9; Alp Eri ; 0.45; 24000;occ; 89; 0;43995  
 16; 6602.5; 30-JUL-2010 14:00:11; Dark ; 55.5; 84; Alp Phe ; 2.40; 4500;occ; 111; 0;43995  
 17; 6942.4; 30-JUL-2010 14:05:51; Dark ; 43.0; 31; Alp Gru ; 1.73; 15200;occ; 86; 0;43995  
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 6; 4510.7; 30-JUL-2010 15:05:55; Dark ; 55.0; 28; 12Bet Tau ; 1.65; 15200;occ; 110; 0;43995  
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 11; 5425.5; 30-JUL-2010 15:21:09; Dark ; 54.5; 165; 34Gam Eri ; 2.95; 3200;occ; 109; 0;43995  
 12; 5717.8; 30-JUL-2010 15:26:02; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;43995  
 13; 5989.9; 30-JUL-2010 15:30:34; Dark ; 44.5; 157; The1Eri ; 2.91; 9300;occ; 89; 0;43995  
 14; 6326.9; 30-JUL-2010 15:36:11; Dark ; 47.0; 9; Alp Eri ; 0.45; 24000;occ; 94; 0;43996  
 15; 6603.7; 30-JUL-2010 15:40:48; Dark ; 56.0; 84; Alp Phe ; 2.40; 4500;occ; 112; 0;43996  
 16; 6942.9; 30-JUL-2010 15:46:27; Dark ; 46.0; 31; Alp Gru ; 1.73; 15200;occ; 92; 0;43996  
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 4; 3100.8; 30-JUL-2010 16:23:01; Bright; 38.5; 89; 5Alp Cep ; 2.45; 8000;occ; 77; 0;43996  
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4; 2699.4; 30-JUL-2010 17:56:55; Bright; 39.5; 144; 18Del Cyg ; 2.86; 11000;occ; 79; 0;43997  
5; 3100.4; 30-JUL-2010 18:03:36; Bright; 41.5; 89; 5Alp Cep ; 2.45; 8000;occ; 83; 0;43997  
6; 4084.4; 30-JUL-2010 18:20:00; Bright; 45.0; 35; 33Alp Per ; 1.79; 6250;occ; 90; 0;43997  
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4; 2696.1; 31-JUL-2010 20:46:27; Bright; 38.0; 144; 18Del Cyg ; 2.86; 11000;occ; 76; 0;44013
5; 3093.5; 31-JUL-2010 20:53:05; Bright; 41.5; 89; 5Alp Cep ; 2.45; 8000;occ; 83; 0;44013
6; 3981.3; 31-JUL-2010 21:07:52; Bright; 48.0; 160; 23Gam Per ; 2.93; 4700;occ; 96; 0;44013
7; 4139.6; 31-JUL-2010 21:10:31; Bright; 53.0; 175; 39Del Per ; 3.01; 19400;occ; 106; 0;44013
8; 4315.6; 31-JUL-2010 21:13:27; Bright; 44.0; 149; 45Eps Per ; 2.89; 30000;occ; 88; 0;44013
9; 4500.1; 31-JUL-2010 21:16:31; Dark ; 45.0; 150; 44Zet Per ; 2.89; 28000;occ; 90; 0;44013
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13; 5012.6; 31-JUL-2010 21:25:04; Dark ; 41.5; 72; 34Del Ori ; 2.25; 30000;occ; 83; 0;44013
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4; 303.3; 31-JUL-2010 21:47:10; Dark ; 46.5; 9; Alp Eri ; 0.45; 24000;occ; 93; 0;44014
5; 587.1; 31-JUL-2010 21:51:54; Dark ; 54.5; 84; Alp Phe ; 2.40; 4500;occ; 109; 0;44014
6; 916.4; 31-JUL-2010 21:57:23; Dark ; 43.0; 31; Alp Gru ; 1.73; 15200;occ; 86; 0;44014
7; 1105.1; 31-JUL-2010 22:00:32; Dark ; 44.5; 172; Gam Gru ; 3.00; 13100;occ; 89; 0;44014
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13; 4139.1; 01-AUG-2010 00:31:42; Bright; 46.5; 175; 39Del Per ; 3.01; 19400;occ; 93; 0;44015  
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