

GOMOS Daily Report 18-OCT-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](#)

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	20OCT2010 04:33:39
Data source version	GOMOS/5.01
Start time of products	18OCT2010 00:08:17
Stop time of products	18OCT2010 23:57:36
Store outputs in DB	Yes
Nb of level 1b prods	72
Nb of prods with errors	0

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

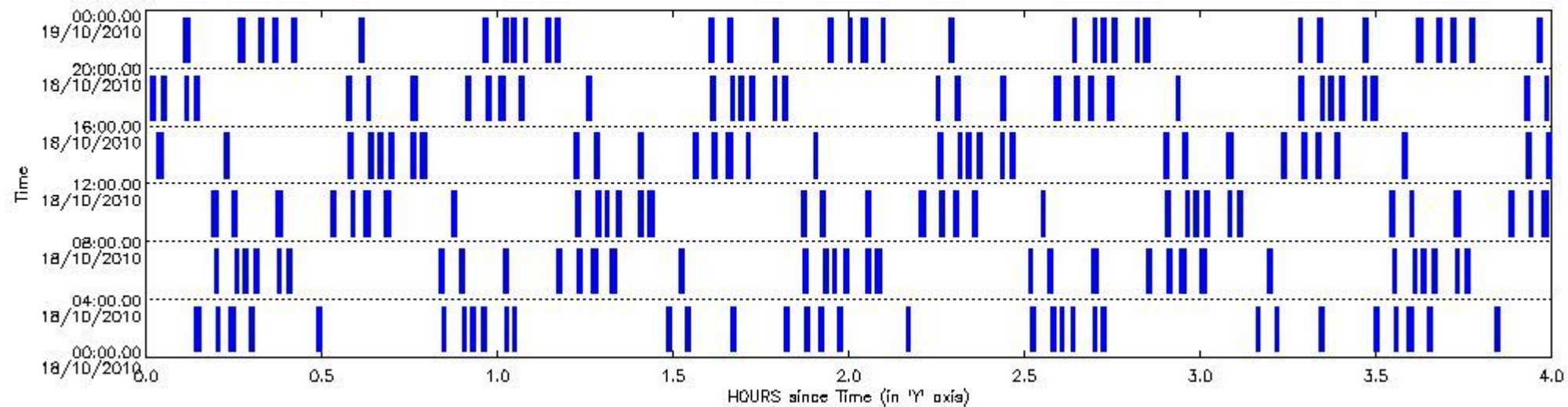
2.1 Level 0 products arrived in PCF (see template [here](#))

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)

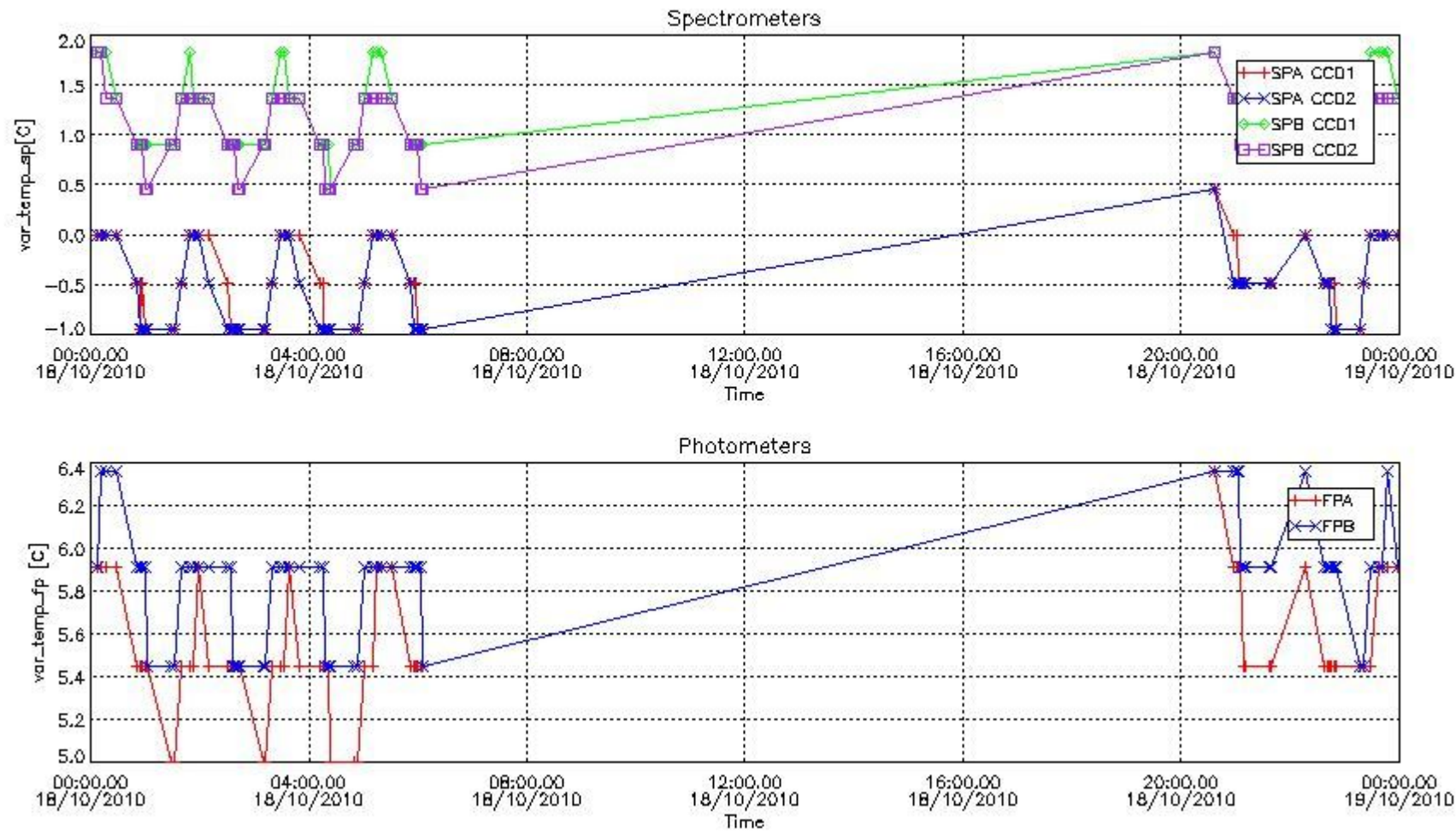
No missing products.

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_1PNPDE20101018_000817_000000552093_00488_45131_2762.N1	18-OCT-2010 00:08:17	Dark	55.000	132	15Rho Pup	2.8030	6900.0	110	45131	No
2	GOM_TRA_1PNPDE20101018_001150_000000462093_00489_45132_2763.N1	18-OCT-2010 00:11:50	Dark	45.500	34	Gam2Vel	1.7930	23000.	91	45132	No
3	GOM_TRA_1PNPDE20101018_001728_000000472093_00489_45132_2764.N1	18-OCT-2010 00:17:28	Dark	46.500	2	Alp Car	-0.73600	7000.0	93	45132	No
4	GOM_TRA_1PNPDE20101018_002906_000000462093_00489_45132_2765.N1	18-OCT-2010 00:29:06	Straylight	45.500	157	The1Eri	2.9060	9300.0	91	45132	No
5	GOM_TRA_1PNPDE20101018_005023_000000452093_00489_45132_2766.N1	18-OCT-2010 00:50:23	Bright	45.000	105	6Bet Ari	2.6450	8900.0	90	45132	No
6	GOM_TRA_1PNPDE20101018_005354_000000412093_00489_45132_2767.N1	18-OCT-2010 00:53:54	Bright	40.500	53	43Bet And	2.0480	3300.0	81	45132	No
7	GOM_TRA_1PNPDE20101018_005521_000000462093_00489_45132_2768.N1	18-OCT-2010 00:55:21	Bright	45.500	173	4Bet Tri	3.0040	8900.0	91	45132	No
8	GOM_TRA_1PNPDE20101018_005715_000000472093_00489_45132_2769.N1	18-OCT-2010 00:57:15	Bright	46.500	73	57Gam1And	2.2600	13100.	93	45132	No
9	GOM_TRA_1PNPDE20101018_010107_000000362093_00489_45132_2770.N1	18-OCT-2010 01:01:07	Bright	36.000	110	37Del Cas	2.6780	8900.0	72	45132	No
10	GOM_TRA_1PNPDE20101018_010229_000000422093_00489_45132_2771.N1	18-OCT-2010 01:02:29	Bright	42.000	160	23Gam Per	2.9300	4700.0	84	45132	No
11	GOM_TRA_1PNPDE20101018_012849_000000432093_00489_45132_2772.N1	18-OCT-2010 01:28:49	Bright	43.000	166	17Eps Leo	2.9800	6000.0	86	45132	No
12	GOM_TRA_1PNPDE20101018_013208_000000412093_00489_45132_2773.N1	18-OCT-2010 01:32:08	Bright	41.000	22	32Alp Leo	1.3600	15200.	82	45132	No

13	GOM_TRA_1PNPDE20101018_013942_000000522093_00489_45132_2785.N1	18-OCT-2010 01:39:42	Dark	52.000	48	30Alp Hya	1.9770	4100.0	104	45132	No
14	GOM_TRA_1PNPDE20101018_014854_000000542093_00489_45132_2786.N1	18-OCT-2010 01:48:54	Dark	54.000	132	15Rho Pup	2.8030	6900.0	108	45132	No
15	GOM_TRA_1PNPDE20101018_015226_000000432093_00490_45133_2787.N1	18-OCT-2010 01:52:26	Dark	42.500	34	Gam2Vel	1.7930	23000.	85	45133	No
16	GOM_TRA_1PNPDE20101018_015805_000000462093_00490_45133_2788.N1	18-OCT-2010 01:58:05	Dark	46.000	2	Alp Car	-0.73600	7000.0	92	45133	No
17	GOM_TRA_1PNPDE20101018_020943_000000442093_00490_45133_2789.N1	18-OCT-2010 02:09:43	Straylight	43.500	157	The1Eri	2.9060	9300.0	87	45133	No
18	GOM_TRA_1PNPDE20101018_023059_000000472093_00490_45133_2790.N1	18-OCT-2010 02:30:59	Bright	46.500	105	6Bet Ari	2.6450	8900.0	93	45133	No
19	GOM_TRA_1PNPDE20101018_023429_000000412093_00490_45133_2791.N1	18-OCT-2010 02:34:29	Bright	40.500	53	43Bet And	2.0480	3300.0	81	45133	No
20	GOM_TRA_1PNPDE20101018_023556_000000452093_00490_45133_2792.N1	18-OCT-2010 02:35:56	Bright	44.500	173	4Bet Tri	3.0040	8900.0	89	45133	No
21	GOM_TRA_1PNPDE20101018_023750_000000462093_00490_45133_2793.N1	18-OCT-2010 02:37:50	Bright	45.500	73	57Gam1And	2.2600	13100.	91	45133	No
22	GOM_TRA_1PNPDE20101018_024142_000000362093_00490_45133_2794.N1	18-OCT-2010 02:41:42	Bright	35.500	110	37Del Cas	2.6780	8900.0	71	45133	No
23	GOM_TRA_1PNPDE20101018_024304_000000432093_00490_45133_2795.N1	18-OCT-2010 02:43:04	Bright	43.000	160	23Gam Per	2.9300	4700.0	86	45133	No
24	GOM_TRA_1PNPDE20101018_030925_000000442093_00490_45133_2805.N1	18-OCT-2010 03:09:25	Bright	43.500	166	17Eps Leo	2.9800	6000.0	87	45133	No
25	GOM_TRA_1PNPDE20101018_031244_000000422093_00490_45133_2806.N1	18-OCT-2010 03:12:44	Bright	41.500	22	32Alp Leo	1.3600	15200.	83	45133	No
26	GOM_TRA_1PNPDE20101018_032019_000000532093_00490_45133_2807.N1	18-OCT-2010 03:20:19	Dark	52.500	48	30Alp Hya	1.9770	4100.0	105	45133	No
27	GOM_TRA_1PNPDE20101018_032931_000000532093_00490_45133_2808.N1	18-OCT-2010 03:29:31	Dark	52.500	132	15Rho Pup	2.8030	6900.0	105	45133	No
28	GOM_TRA_1PNPDE20101018_033303_000000422093_00491_45134_2809.N1	18-OCT-2010 03:33:03	Dark	42.000	34	Gam2Vel	1.7930	23000.	84	45134	No
29	GOM_TRA_1PNPDE20101018_033842_000000472093_00491_45134_2810.N1	18-OCT-2010 03:38:42	Dark	46.500	2	Alp Car	-0.73600	7000.0	93	45134	No
30	GOM_TRA_1PNPDE20101018_035019_000000442093_00491_45134_2811.N1	18-OCT-2010 03:50:19	Straylight	44.000	157	The1Eri	2.9060	9300.0	88	45134	No
31	GOM_TRA_1PNPDE20101018_041135_000000462093_00491_45134_2812.N1	18-OCT-2010 04:11:35	Bright	45.500	105	6Bet Ari	2.6450	8900.0	91	45134	No
32	GOM_TRA_1PNPDE20101018_041505_000000402093_00491_45134_2813.N1	18-OCT-2010 04:15:05	Bright	39.500	53	43Bet And	2.0480	3300.0	79	45134	No
33	GOM_TRA_1PNPDE20101018_041632_000000462093_00491_45134_2814.N1	18-OCT-2010 04:16:32	Bright	45.500	173	4Bet Tri	3.0040	8900.0	91	45134	No
34	GOM_TRA_1PNPDE20101018_041826_000000472093_00491_45134_2815.N1	18-OCT-2010 04:18:26	Bright	47.000	73	57Gam1And	2.2600	13100.	94	45134	No
35	GOM_TRA_1PNPDE20101018_042218_000000432093_00491_45134_2816.N1	18-OCT-2010 04:22:18	Bright	42.500	110	37Del Cas	2.6780	8900.0	85	45134	No
36	GOM_TRA_1PNPDE20101018_042359_000000522093_00491_45134_2817.N1	18-OCT-2010 04:23:59	Bright	52.000	35	33Alp Per	1.7950	6250.0	104	45134	No
37	GOM_TRA_1PNPDE20101018_045001_000000442093_00491_45134_2826.N1	18-OCT-2010 04:50:01	Bright	44.000	166	17Eps Leo	2.9800	6000.0	88	45134	No
38	GOM_TRA_1PNPDE20101018_045321_000000592093_00491_45134_2827.N1	18-OCT-2010 04:53:21	Bright	59.000	22	32Alp Leo	1.3600	15200.	118	45134	No
39	GOM_TRA_1PNPDE20101018_050056_000000532093_00491_45134_2828.N1	18-OCT-2010 05:00:56	Dark	53.000	48	30Alp Hya	1.9770	4100.0	106	45134	No
40	GOM_TRA_1PNPDE20101018_051009_000000522093_00491_45134_2829.N1	18-OCT-2010 05:10:09	Dark	52.000	132	15Rho Pup	2.8030	6900.0	104	45134	No
41	GOM_TRA_1PNPDE20101018_051340_000000462093_00492_45135_2830.N1	18-OCT-2010 05:13:40	Dark	46.000	34	Gam2Vel	1.7930	23000.	92	45135	No
42	GOM_TRA_1PNPDE20101018_051919_000000542093_00492_45135_2831.N1	18-OCT-2010 05:19:19	Dark	53.500	2	Alp Car	-0.73600	7000.0	107	45135	No
43	GOM_TRA_1PNPDE20101018_053055_000000442093_00492_45135_2832.N1	18-OCT-2010 05:30:55	Straylight	43.500	157	The1Eri	2.9060	9300.0	87	45135	No
44	GOM_TRA_1PNPDE20101018_055210_000000462093_00492_45135_2833.N1	18-OCT-2010 05:52:10	Bright	45.500	105	6Bet Ari	2.6450	8900.0	91	45135	No
45	GOM_TRA_1PNPDE20101018_055541_000000432093_00492_45135_2834.N1	18-OCT-2010 05:55:41	Bright	42.500	53	43Bet And	2.0480	3300.0	85	45135	No
46	GOM_TRA_1PNPDE20101018_055707_000000442093_00492_45135_2835.N1	18-OCT-2010 05:57:07	Bright	44.000	173	4Bet Tri	3.0040	8900.0	88	45135	No
47	GOM_TRA_1PNPDE20101018_055901_000000462093_00492_45135_2836.N1	18-OCT-2010 05:59:01	Bright	45.500	73	57Gam1And	2.2600	13100.	91	45135	No
48	GOM_TRA_1PNPDE20101018_060254_000000392093_00492_45135_2837.N1	18-OCT-2010 06:02:54	Bright	38.500	110	37Del Cas	2.6780	8900.0	77	45135	No
49	GOM_TRA_1PNPDE20101018_060434_000000532093_00492_45135_2838.N1	18-OCT-2010 06:04:34	Bright	52.500	35	33Alp Per	1.7950	6250.0	105	45135	No
50	GOM_TRA_1PNPDE20101018_203623_000000462093_00501_45144_2911.N1	18-OCT-2010 20:36:23	Straylight	45.500	157	The1Eri	2.9060	9300.0	91	45144	No
51	GOM_TRA_1PNPDE20101018_205729_000000452093_00501_45144_2912.N1	18-OCT-2010 20:57:29	Bright	45.000	105	6Bet Ari	2.6450	8900.0	90	45144	No
52	GOM_TRA_1PNPDE20101018_210101_000000422093_00501_45144_2913.N1	18-OCT-2010 21:01:01	Bright	41.500	53	43Bet And	2.0480	3300.0	83	45144	No
53	GOM_TRA_1PNPDE20101018_210225_000000462093_00501_45144_2914.N1	18-OCT-2010 21:02:25	Bright	45.500	173	4Bet Tri	3.0040	8900.0	91	45144	No
54	GOM_TRA_1PNPDE20101018_210419_000000452093_00501_45144_2915.N1	18-OCT-2010 21:04:19	Bright	45.000	73	57Gam1And	2.2600	13100.	90	45144	No
55	GOM_TRA_1PNPDE20101018_210814_000000392093_00501_45144_2916.N1	18-OCT-2010 21:08:14	Bright	39.000	110	37Del Cas	2.6780	8900.0	78	45144	No
56	GOM_TRA_1PNPDE20101018_210949_000000492093_00501_45144_2917.N1	18-OCT-2010 21:09:49	Bright	49.000	35	33Alp Per	1.7950	6250.0	98	45144	No
57	GOM_TRA_1PNPDE20101018_213603_000000442093_00501_45144_2918.N1	18-OCT-2010 21:36:03	Bright	44.000	166	17Eps Leo	2.9800	6000.0	88	45144	No
58	GOM_TRA_1PNPDE20101018_213923_000000422093_00501_45144_2919.N1	18-OCT-2010 21:39:23	Bright	41.500	22	32Alp Leo	1.3600	15200.	83	45144	No
59	GOM_TRA_1PNPDE20101018_221659_000000452094_00001_45145_2929.N1	18-OCT-2010 22:16:59	Straylight	44.500	157	The1Eri	2.9060	9300.0	89	45145	No
60	GOM_TRA_1PNPDE20101018_223805_000000432094_00001_45145_2930.N1	18-OCT-2010 22:38:05	Bright	42.500	105	6Bet Ari	2.6450	8900.0	85	45145	No
61	GOM_TRA_1PNPDE20101018_224137_000000402094_00001_45145_2931.N1	18-OCT-2010 22:41:37	Bright	40.000	53	43Bet And	2.0480	3300.0	80	45145	No
62	GOM_TRA_1PNPDE20101018_224300_000000452094_00001_45145_2932.N1	18-OCT-2010 22:43:00	Bright	45.000	173	4Bet Tri	3.0040	8900.0	90	45145	No
63	GOM_TRA_1PNPDE20101018_224455_000000422094_00001_45145_2933.N1	18-OCT-2010 22:44:55	Bright	42.000	73	57Gam1And	2.2600	13100.	84	45145	No
64	GOM_TRA_1PNPDE20101018_224850_000000392094_00001_45145_2934.N1	18-OCT-2010 22:48:50	Bright	38.500	110	37Del Cas	2.6780	8900.0	77	45145	No
65	GOM_TRA_1PNPDE20101018_225024_000000512094_00001_45145_2935.N1	18-OCT-2010 22:50:24	Bright	51.000	35	33Alp Per	1.7950	6250.0	102	45145	No
66	GOM_TRA_1PNPDE20101018_231640_000000452094_00001_45145_2936.N1	18-OCT-2010 23:16:40	Bright	44.500	166	17Eps Leo	2.9800	6000.0	89	45145	No
67	GOM_TRA_1PNPDE20101018_232000_000000422094_00001_45145_2937.N1	18-OCT-2010 23:20:00	Bright	42.000	22	32Alp Leo	1.3600	15200.	84	45145	No
68	GOM_TRA_1PNPDE20101018_232739_000000562094_00001_45145_2968.N1	18-OCT-2010 23:27:39	Dark	55.500	48	30Alp Hya	1.9770	4100.0	111	45145	No
69	GOM_TRA_1PNPDE20101018_233659_000000562094_00001_45145_2969.N1	18-OCT-2010 23:36:59	Dark	55.500	132	15Rho Pup	2.8030	6900.0	111	45145	No
70	GOM_TRA_1PNPDE20101018_234023_000000432094_00002_45146_2970.N1	18-OCT-2010 23:40:23	Dark	43.000	34	Gam2Vel	1.7930	23000.	86	45146	No
71	GOM_TRA_1PNPDE20101018_234602_000000462094_00002_45146_2971.N1	18-OCT-2010 23:46:02	Dark	46.000	2	Alp Car	-0.73600	7000.0	92	45146	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).

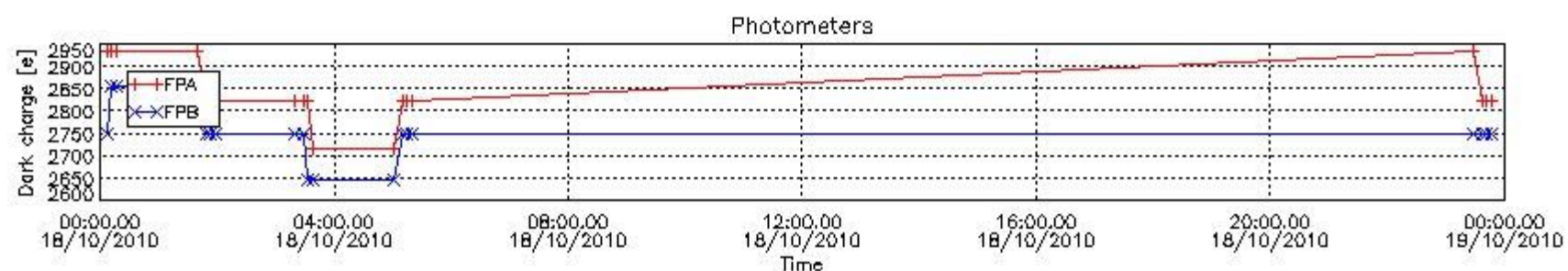
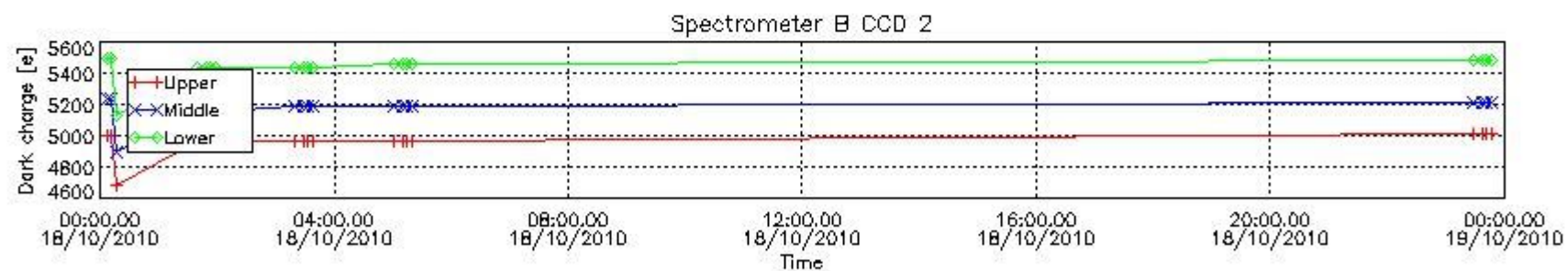
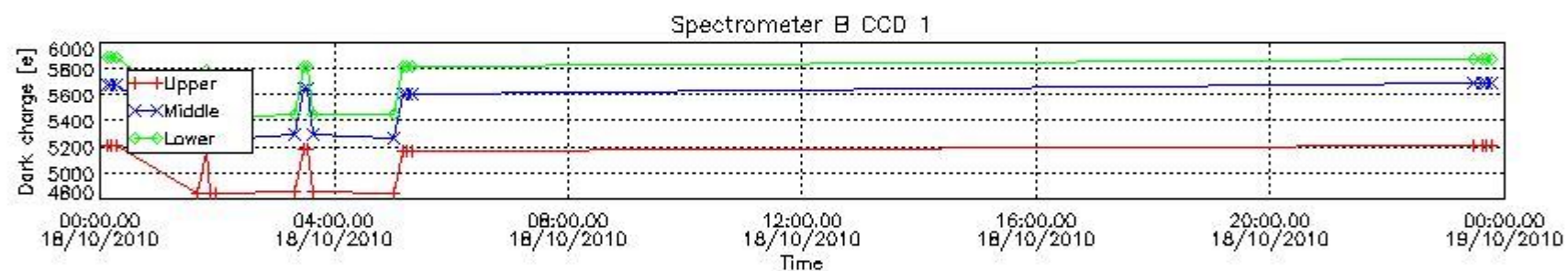
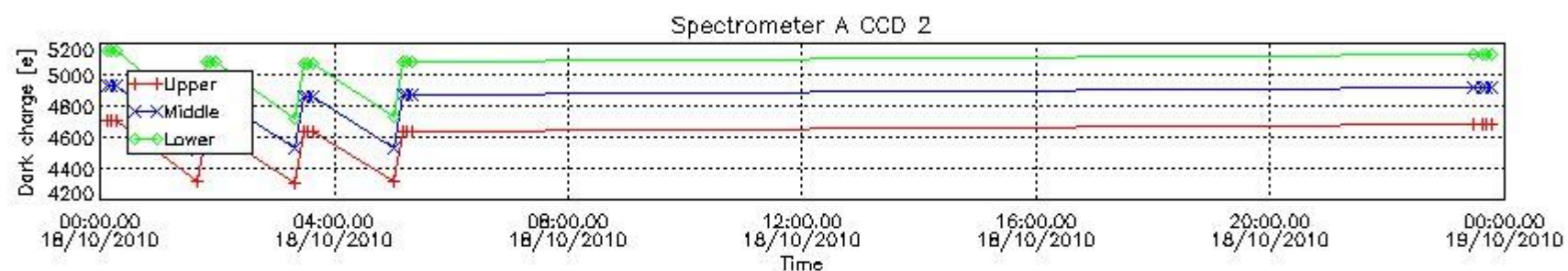
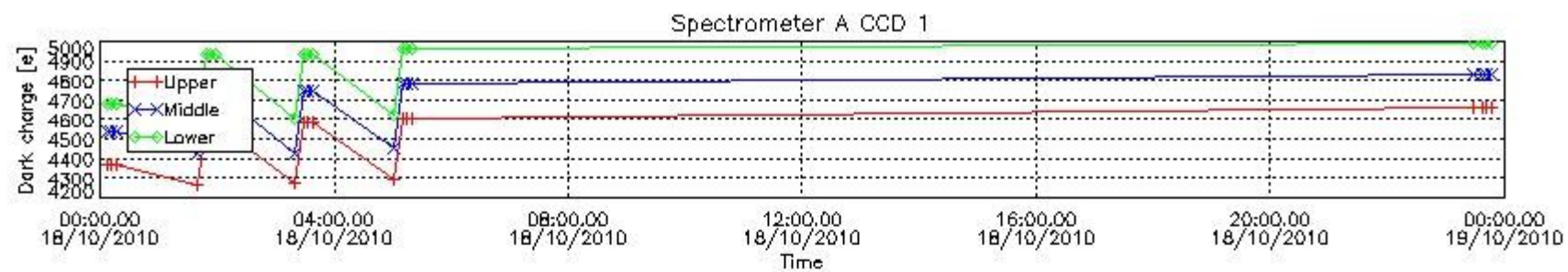
In this section a list of products that did not use the Dark Sky Area (DSA) observation for the DC computation is given. It is also provided the mean DC plot per product for dark limb products with no error flag set.

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

Product name	DC information
GOM_TRA_1PNPDE20101018_203623_000000462093_00501_45144_2911.N1	DC map used
GOM_TRA_1PNPDE20101018_205729_000000452093_00501_45144_2912.N1	DC map used
GOM_TRA_1PNPDE20101018_210101_000000422093_00501_45144_2913.N1	DC map used
GOM_TRA_1PNPDE20101018_210225_000000462093_00501_45144_2914.N1	DC map used
GOM_TRA_1PNPDE20101018_210419_000000452093_00501_45144_2915.N1	DC map used
GOM_TRA_1PNPDE20101018_210814_000000392093_00501_45144_2916.N1	DC map used
GOM_TRA_1PNPDE20101018_210949_000000492093_00501_45144_2917.N1	DC map used
GOM_TRA_1PNPDE20101018_213603_000000442093_00501_45144_2918.N1	DC map used
GOM_TRA_1PNPDE20101018_213923_000000422093_00501_45144_2919.N1	DC map used

GOM_TRA_1PNPDE20101018_221659_000000452094_00001_45145_2929.N1	DC map used
GOM_TRA_1PNPDE20101018_223805_000000432094_00001_45145_2930.N1	DC map used
GOM_TRA_1PNPDE20101018_224137_000000402094_00001_45145_2931.N1	DC map used
GOM_TRA_1PNPDE20101018_224300_000000452094_00001_45145_2932.N1	DC map used
GOM_TRA_1PNPDE20101018_224455_000000422094_00001_45145_2933.N1	DC map used
GOM_TRA_1PNPDE20101018_224850_000000392094_00001_45145_2934.N1	DC map used
GOM_TRA_1PNPDE20101018_225024_000000512094_00001_45145_2935.N1	DC map used
GOM_TRA_1PNPDE20101018_231640_000000452094_00001_45145_2936.N1	DC map used
GOM_TRA_1PNPDE20101018_232000_000000422094_00001_45145_2937.N1	DC map used

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



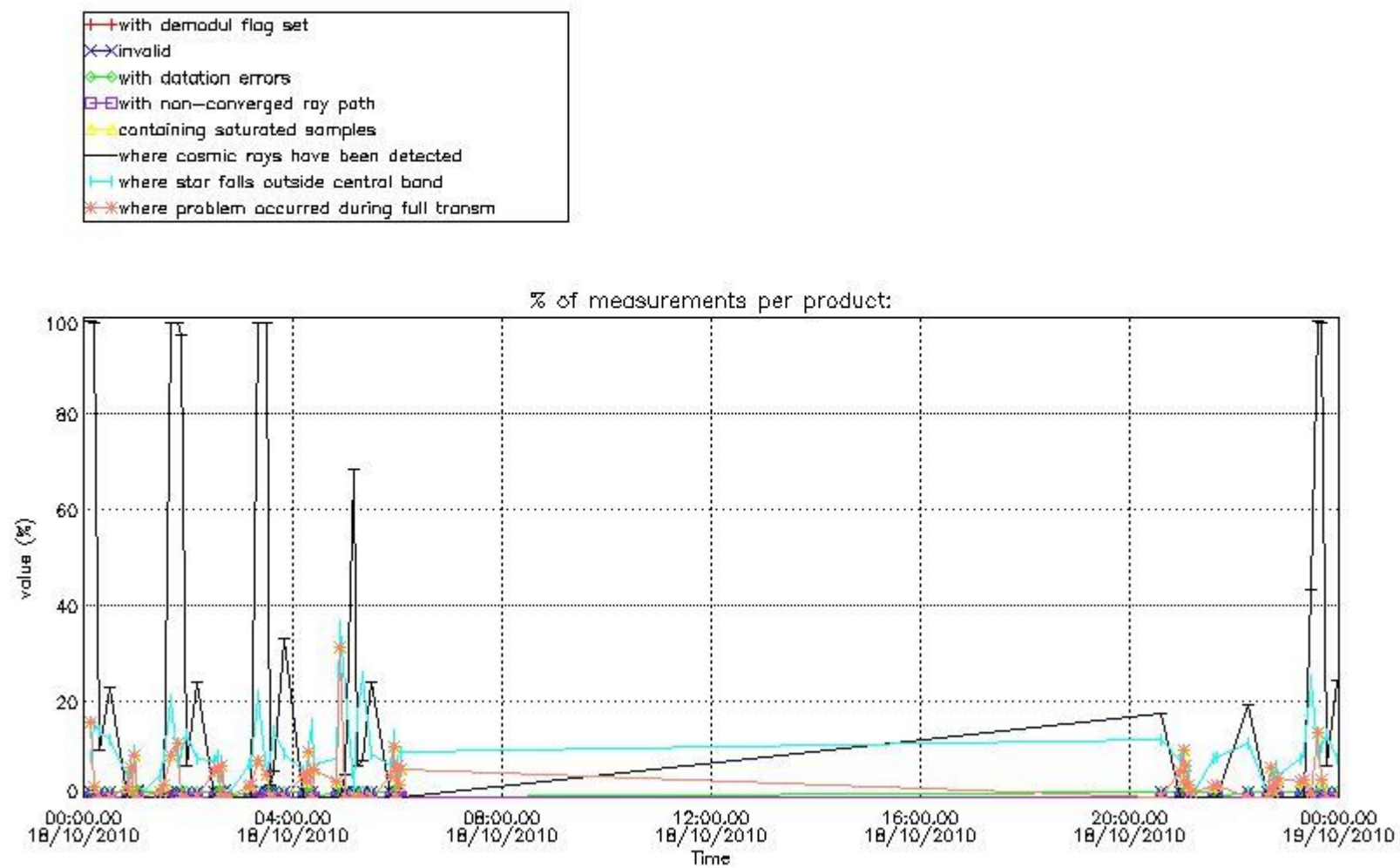
5. Demodulation flag and quality information monitoring

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.

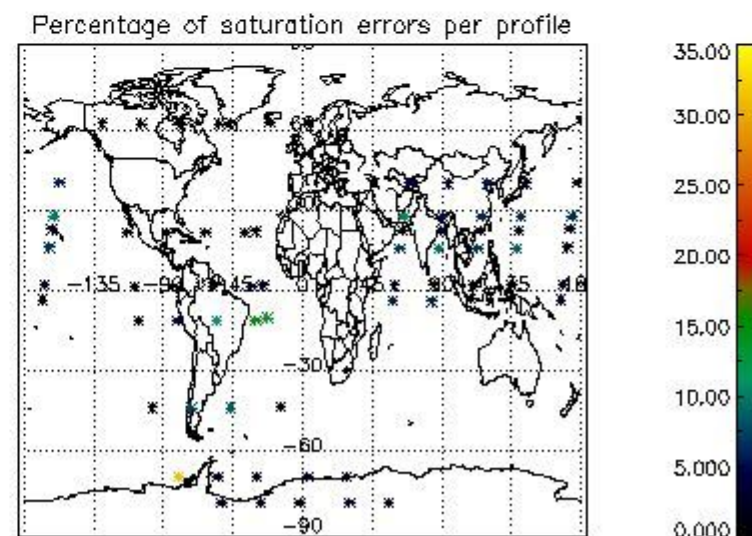
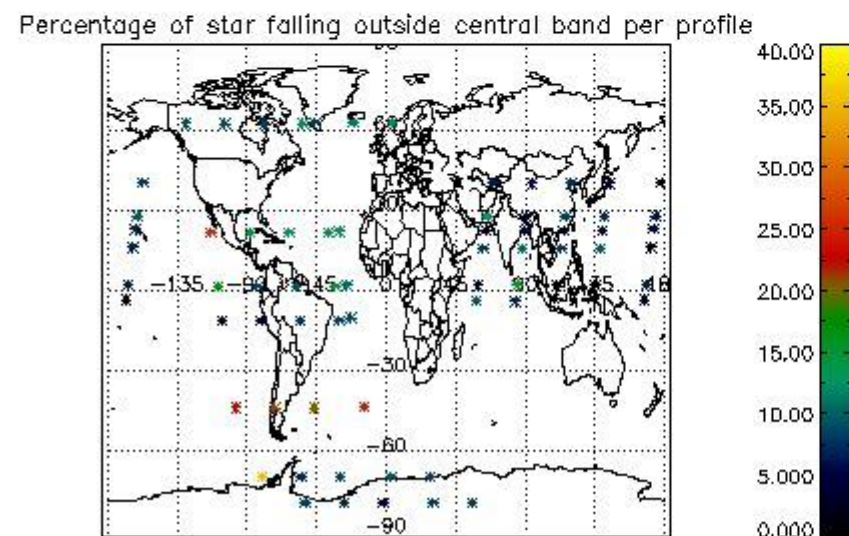
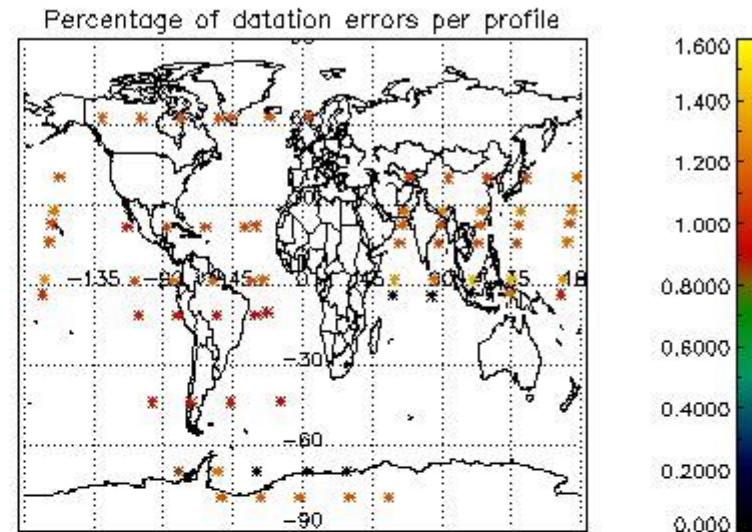
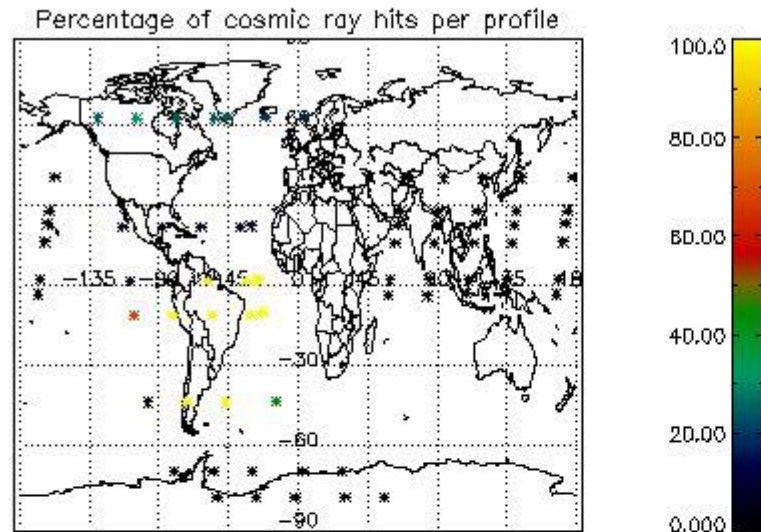
5.1 Percentage of products during reporting period with:

At least one measurement with demodulation flag set:	34.7222 %
Reference spectrum computed from DB:	0.00000 %
Reference spectrum with small number of measurements:	0.00000 %
SATU data not used:	0.00000 %

5.2 Plot quality information per product (time dependant)



5.3 Plot quality information per product (world map)



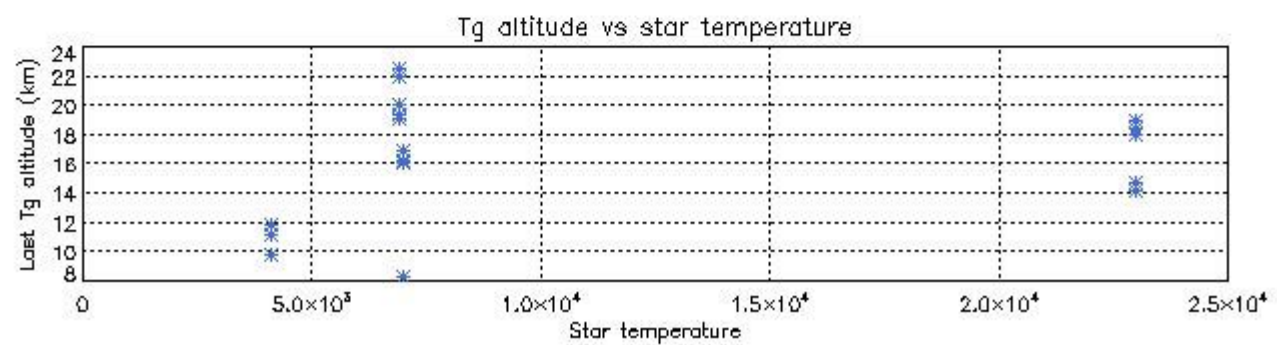
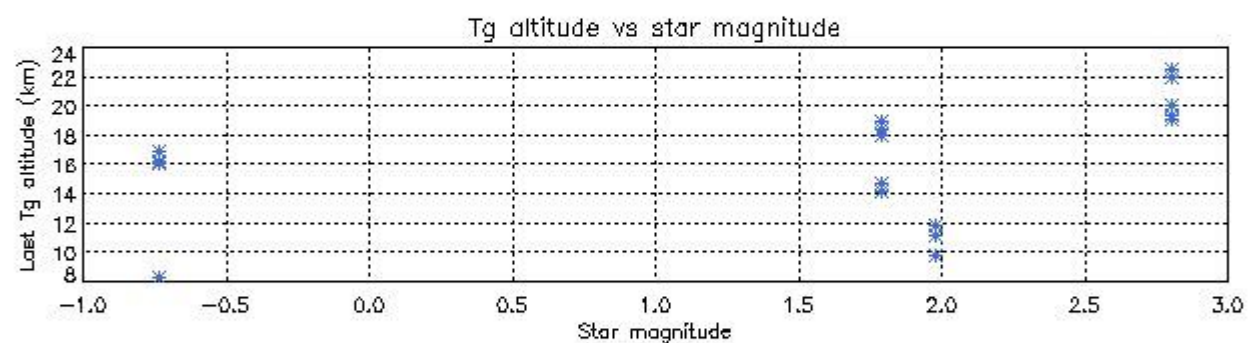
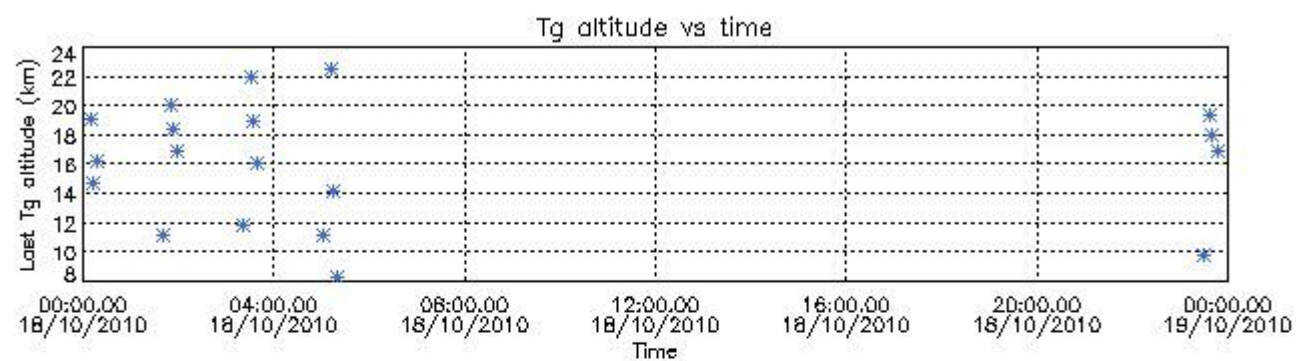
6. Statistics and plot of tangent altitude of the last measurement (DARK & BRIGHT products without errors)

6.1 Statistics on tangent altitude lost:

Statistics	DARK	BRIGHT	TWILIGHT
Mean:	16.072	20.640	NaN
St. deviation:	4.0962	4.1134	NaN
Maximum:	22.555	30.860	NaN
Minimum:	8.3318	4.0077	NaN
Number of data:	19.000	46.000	NaN

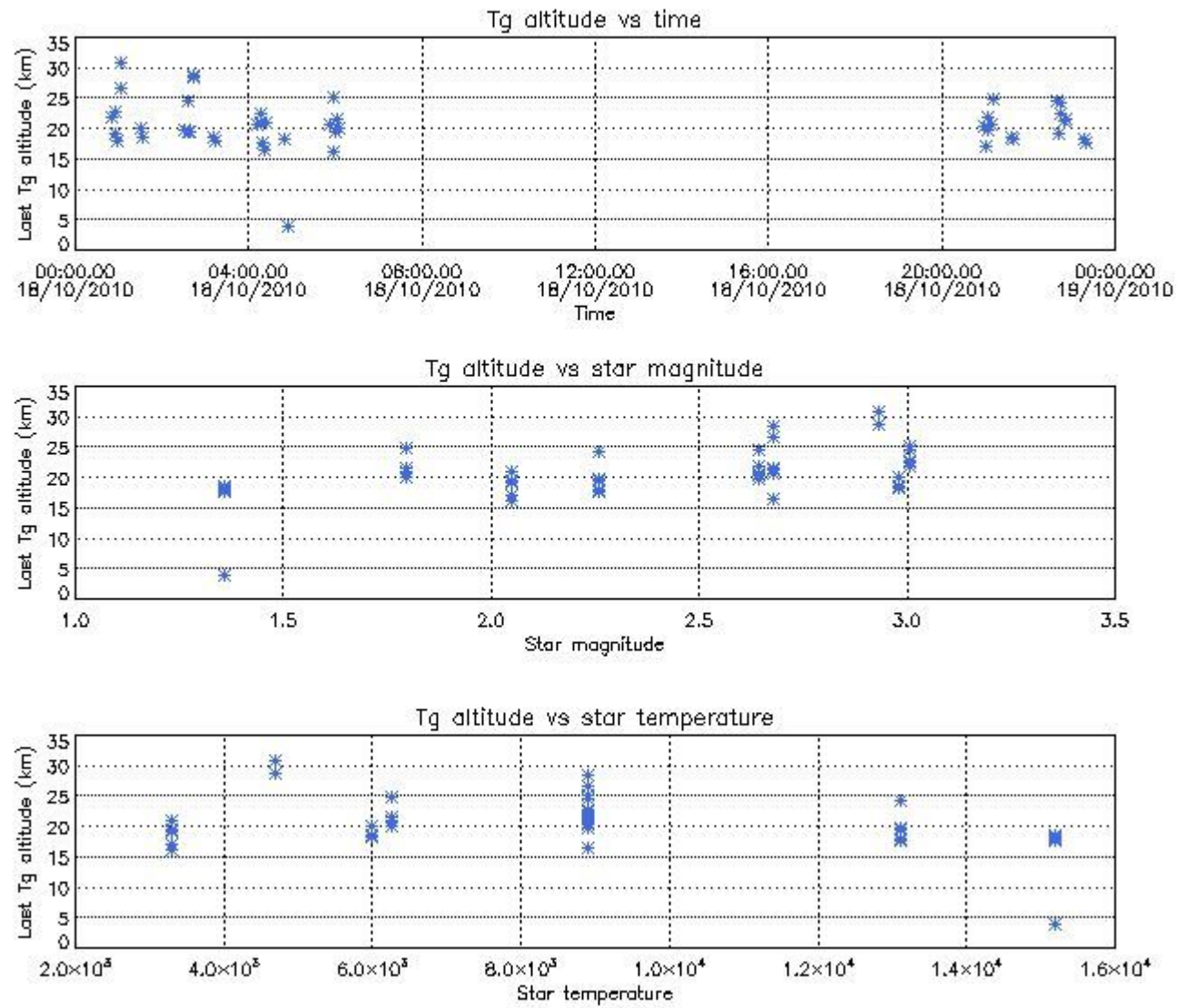
6.2 Plot for DARK limb products

Tangent altitude at which the star is lost



6.3 Plot for BRIGHT limb products

Tangent altitude at which the star is lost

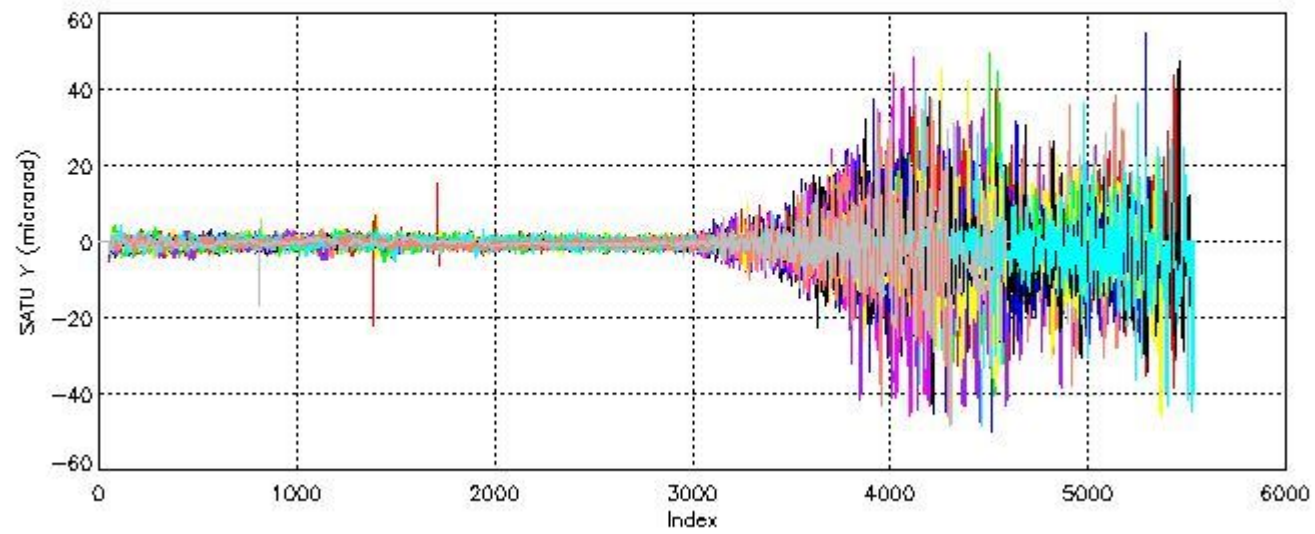
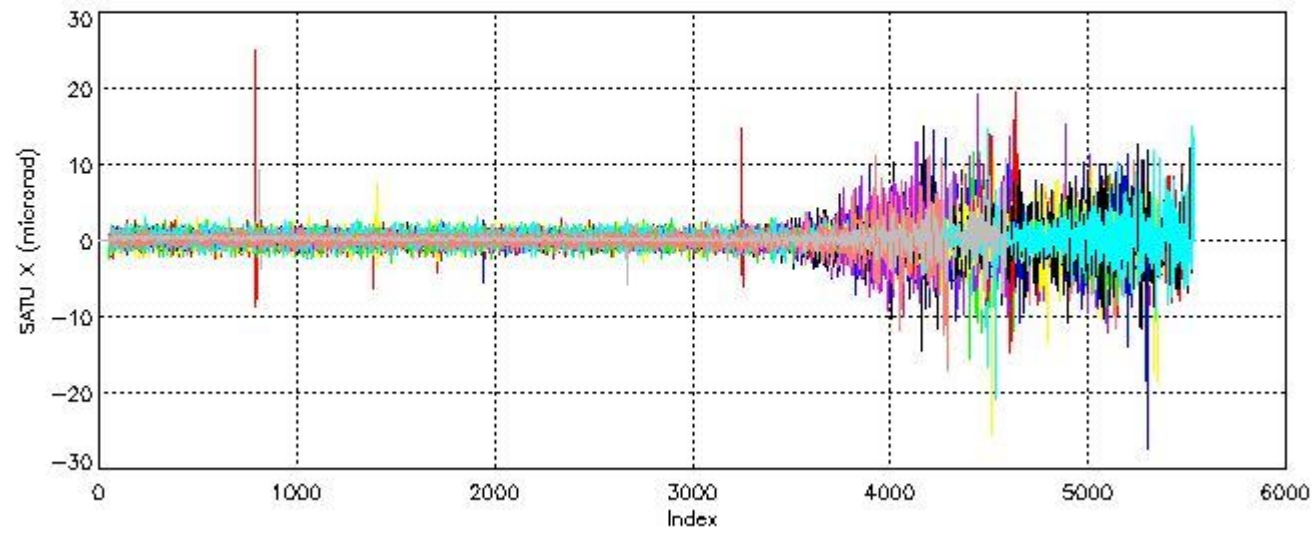


7. Star Acquisition and Tracking Unit (SATU)

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

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

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



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

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

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

7.2.1 SATU NEA Statistics (table)

Statistics	SATU X (D)	SATU Y (D)	SATU X (B)	SATU Y (B)
Mean:	0.20706	-0.44344	0.21137	-0.42618
St. deviation:	0.45572	0.99592	0.77883	1.2644
Maximum:	25.100	5.7000	5.5000	7.4000
Minimum:	-8.6000	-17.000	-5.1000	-8.8000

Number of data:	20000.	20000.	49050.	49050.
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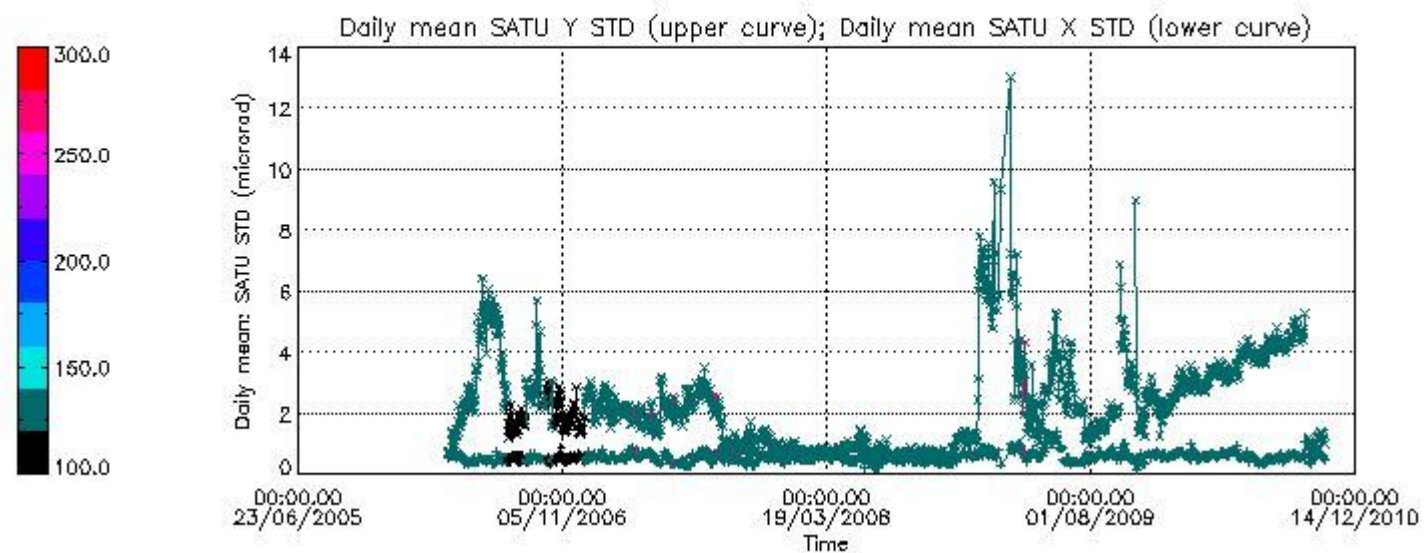
7.2.2 Trend of daily SATU NEA St. deviation since 1st April 2006 (dark limb)

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

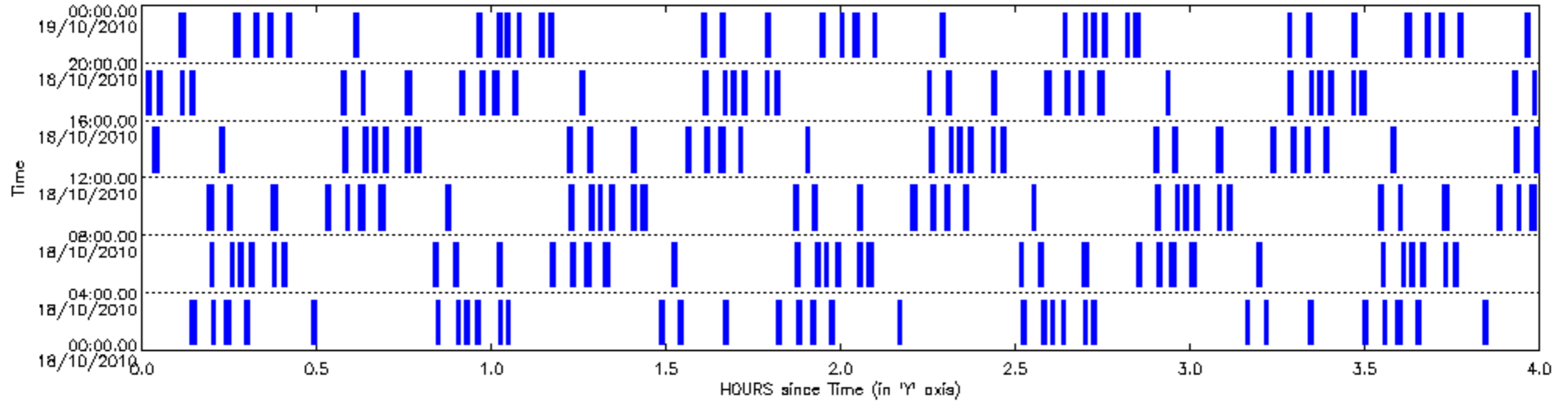
Lower curve: STD of SATU X axis

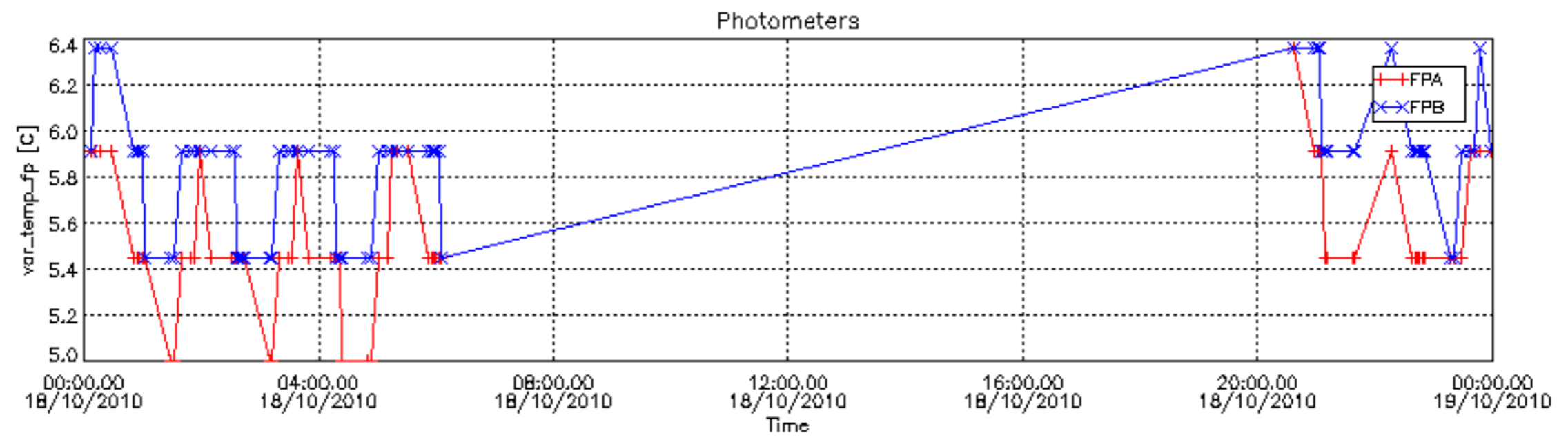
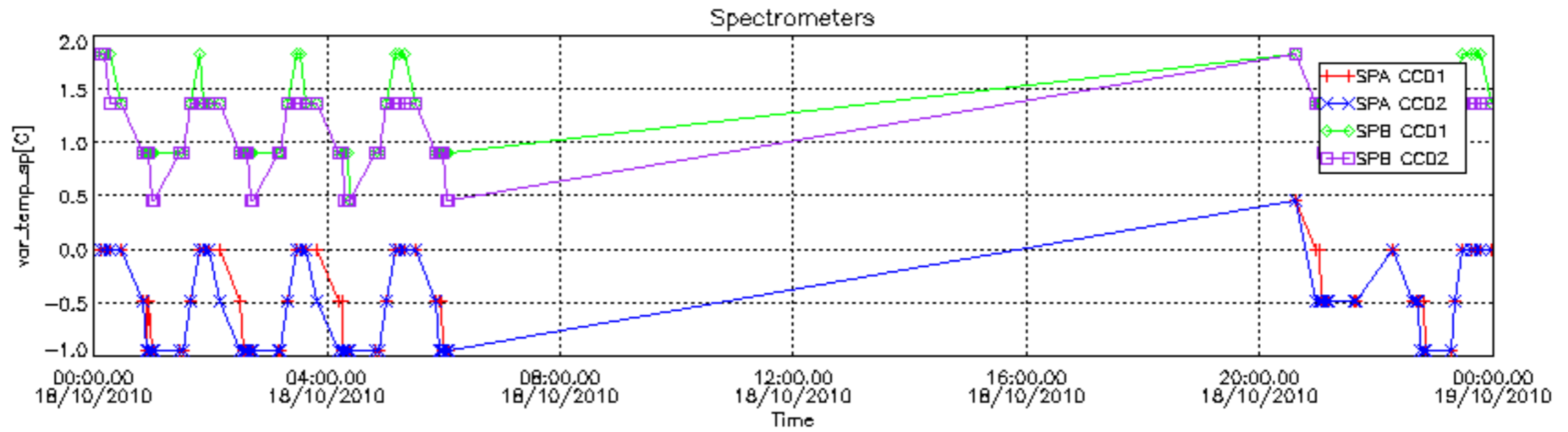


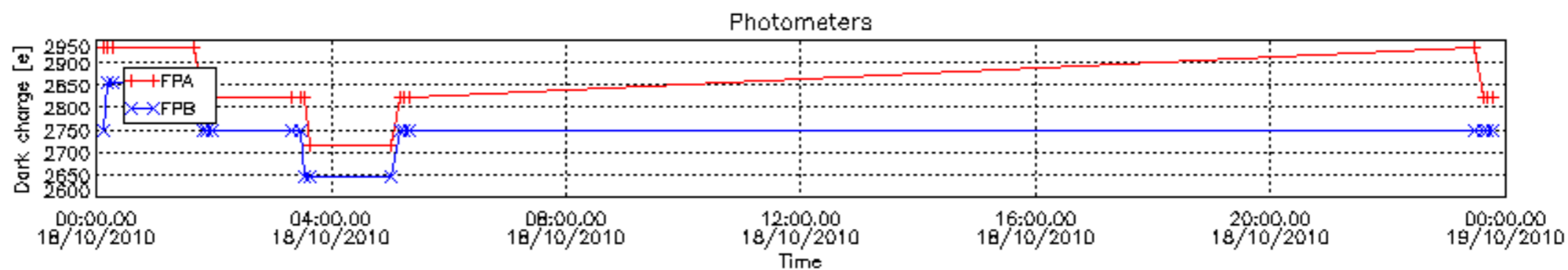
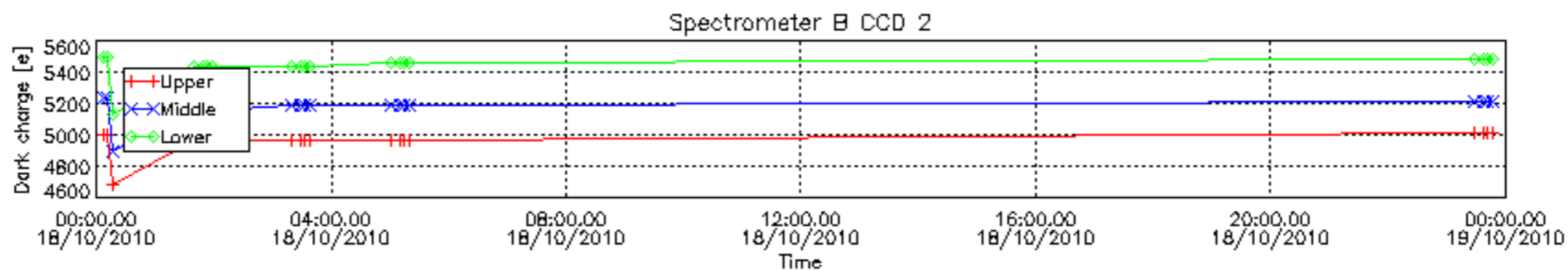
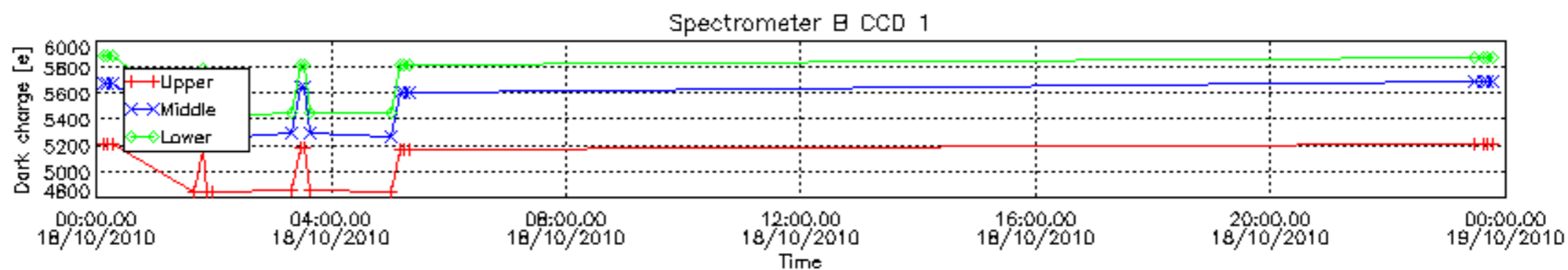
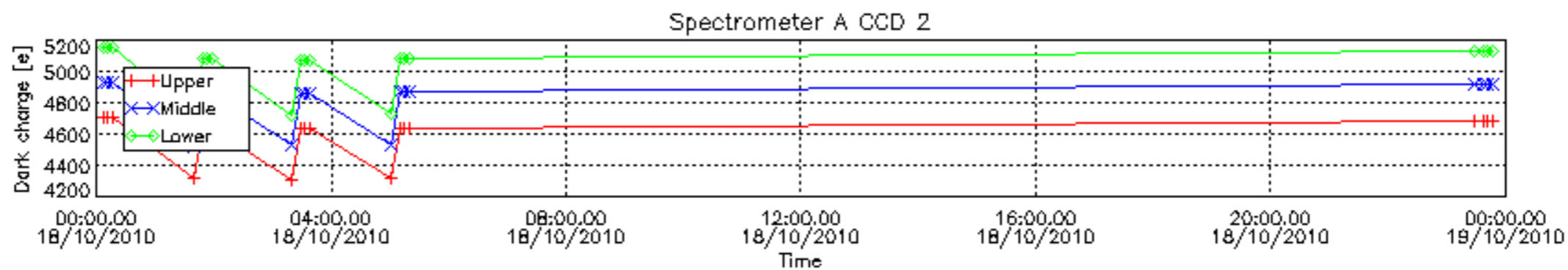
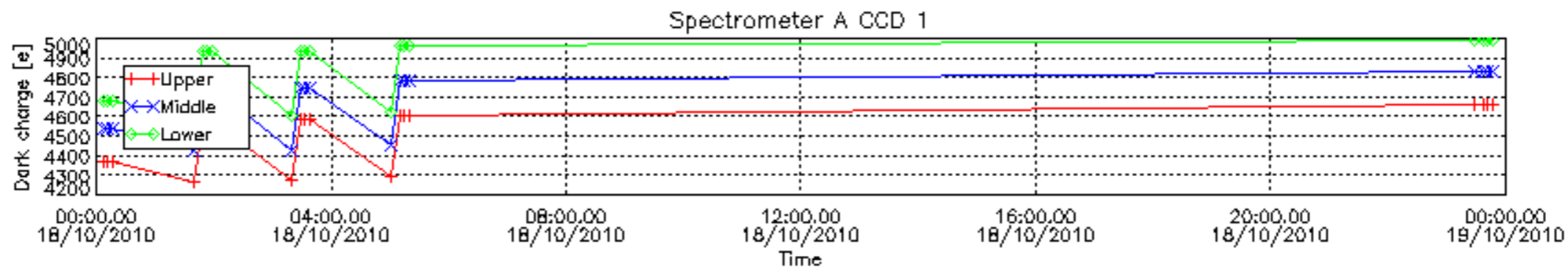
8. Auxiliary Data Files used for the production reported in section 2.4

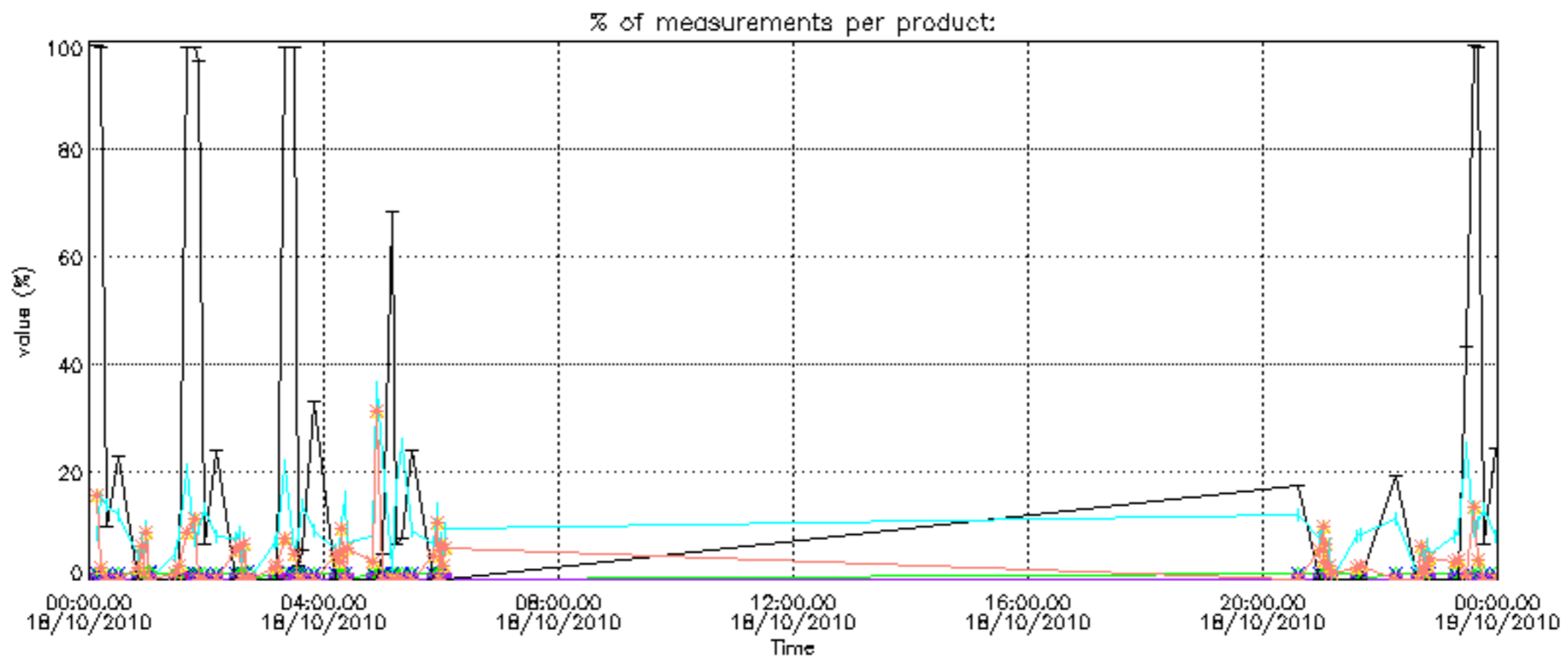
The number reported in the third column indicates since which file (see list in section 2.4) the corresponding auxiliary file has been used. The fourth column is the date of those product files.

Type	Auxiliary Filename	Used since product	Used since product date
INST_PHYS_CHARACTERISTICS	GOM_INS_AXVIEC20091111_143220_20030716_120000_20500101_000000	1	18-OCT-2010 00:08:17
CALIBRATION_DATABASE	GOM_CAL_AXVIEC20101011_092457_20101009_000000_20500101_000000	1	18-OCT-2010 00:08:17
LEVEL-1B_PROC_CONFIG	GOM_PR1_AXVIEC20091111_145255_20020301_000000_20500101_000000	1	18-OCT-2010 00:08:17
STAR_CATALOGUE	GOM_CAT_AXVIEC20020121_161009_20020101_000000_20200101_000000	1	18-OCT-2010 00:08:17
STELLAR_SPECTRA_DATABANK	GOM_STS_AXVIEC20091111_151504_20020101_160000_20500101_000000	1	18-OCT-2010 00:08:17
ECMWF_FILE	AUX_ECF_AXNECM20101017_054112_20101017_210000_20101018_090000	1	18-OCT-2010 00:08:17
ECMWF_FILE	AUX_ECF_AXNECM20101017_174115_20101018_030000_20101018_150000	24	18-OCT-2010 03:09:25
ECMWF_FILE	AUX_ECF_AXNECM20101018_054115_20101018_150000_20101019_030000	50	18-OCT-2010 20:36:23
ECMWF_FILE	AUX_ECF_AXNECM20101018_054115_20101018_210000_20101019_090000	59	18-OCT-2010 22:16:59
OPTIONAL_ECMWF_FILE	MISSING	1	18-OCT-2010 00:08:17
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20101017_235436_000057382093_00488_45131_1769.N1	1	18-OCT-2010 00:08:17
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20101018_013014_000044632093_00489_45132_1770.N1	13	18-OCT-2010 01:39:42
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20101018_024956_000057382093_00490_45133_1771.N1	24	18-OCT-2010 03:09:25
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20101018_043053_000057382093_00491_45134_1772.N1	37	18-OCT-2010 04:50:01
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20101018_202715_000041442093_00501_45144_1773.N1	50	18-OCT-2010 20:36:23
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20101018_220812_000041442094_00001_45145_1774.N1	59	18-OCT-2010 22:16:59
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20101018_232235_000057382094_00001_45145_1775.N1	68	18-OCT-2010 23:27:39

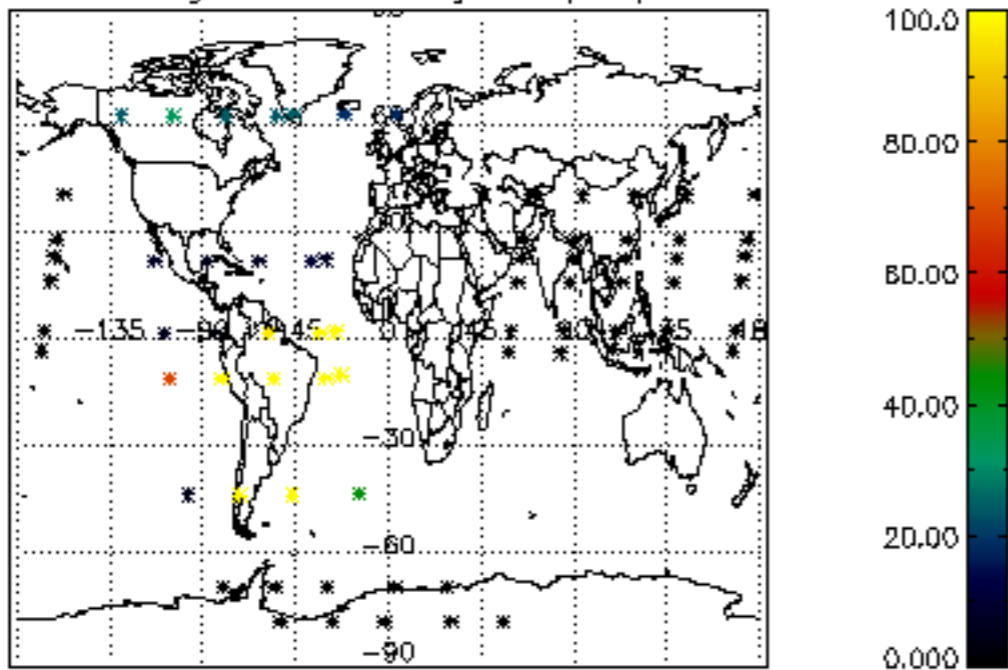




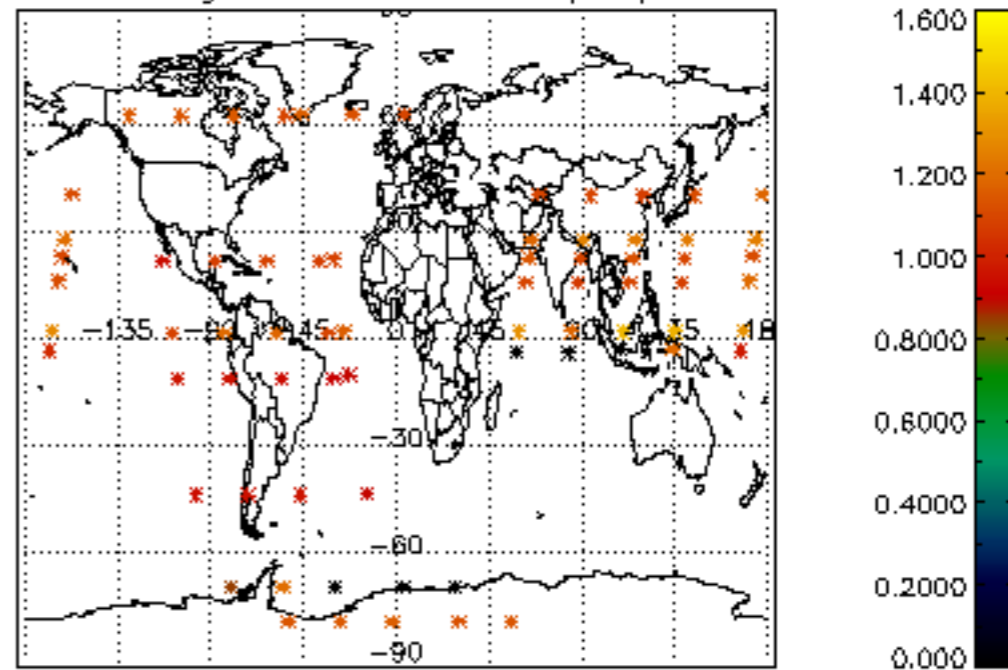




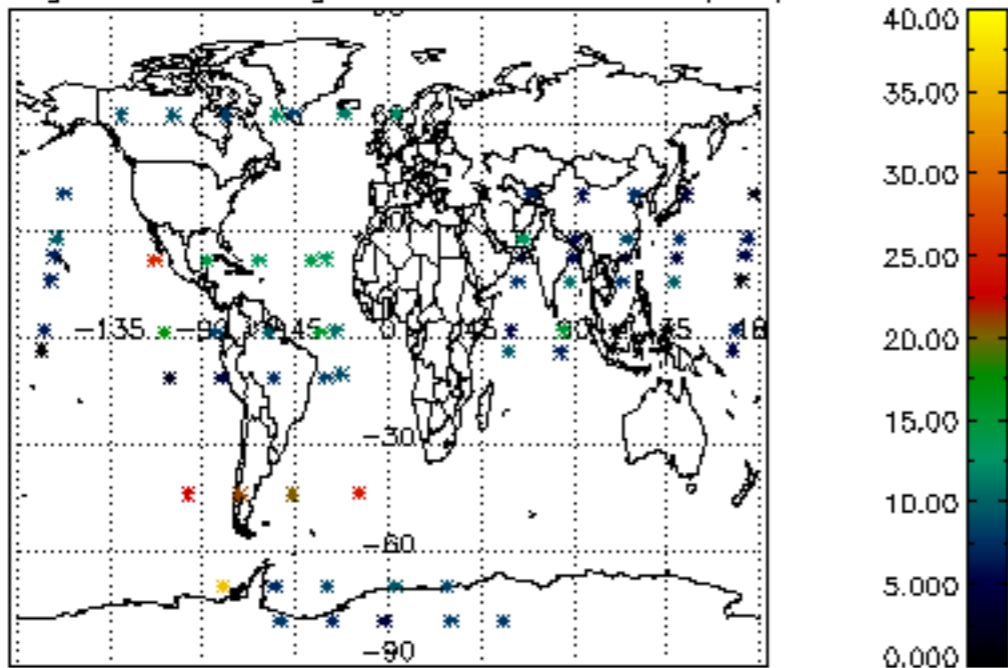
Percentage of cosmic ray hits per profile



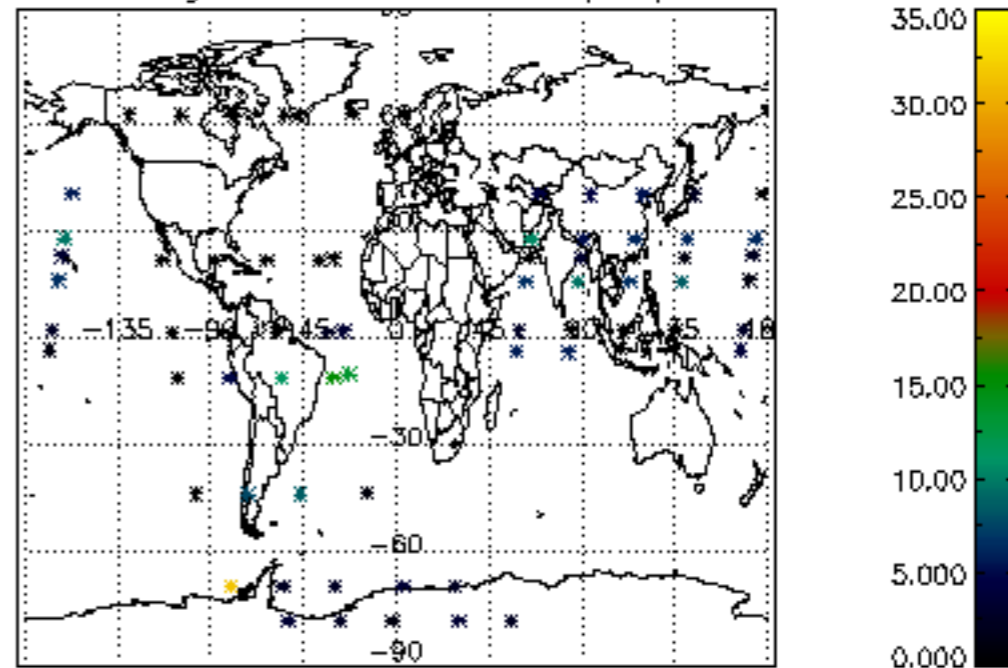
Percentage of datation errors per profile



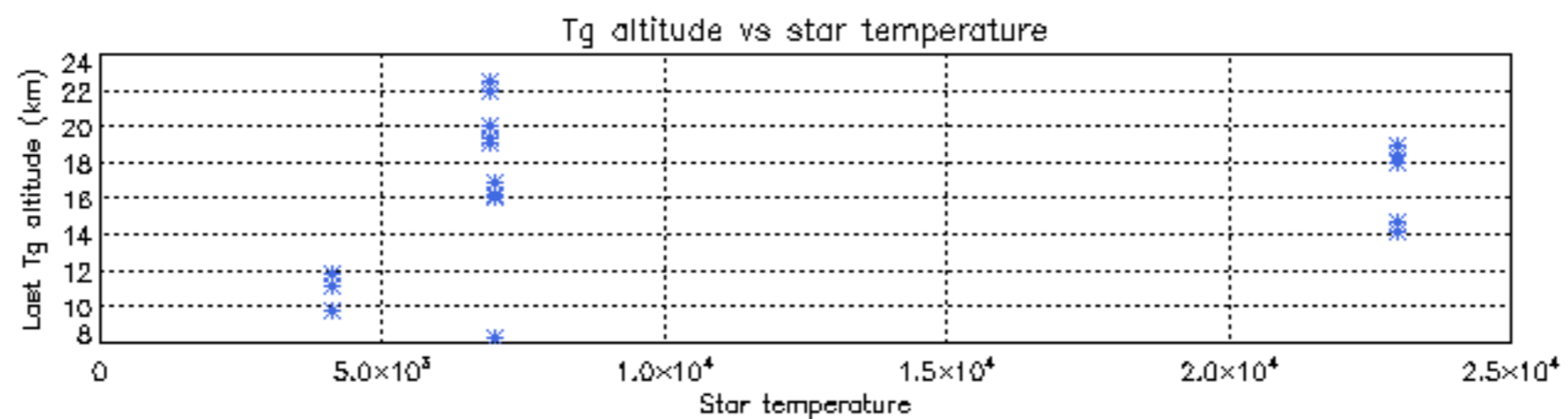
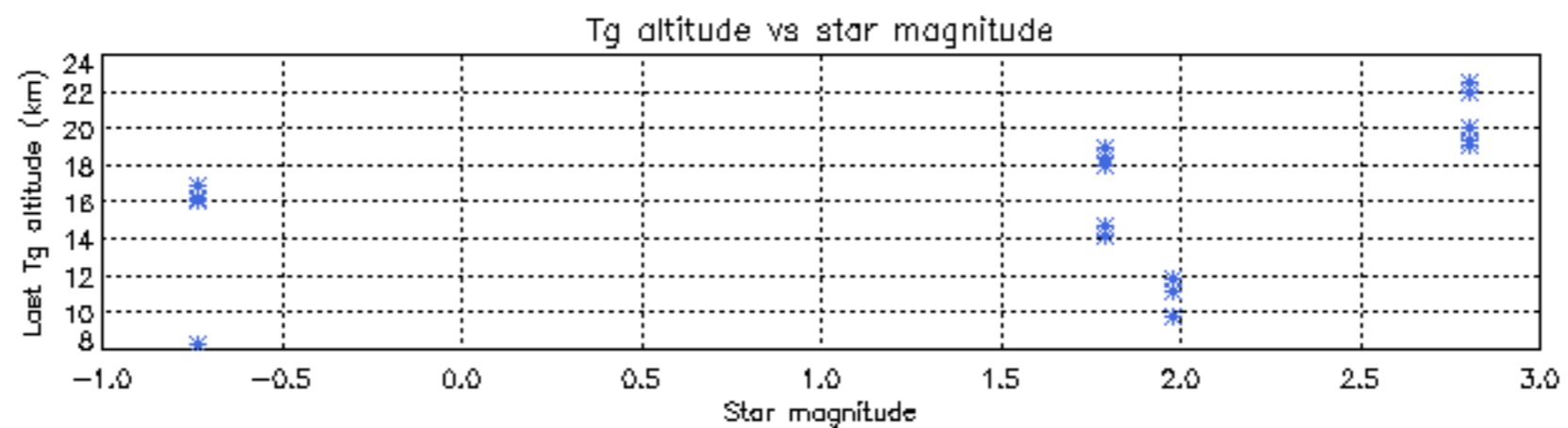
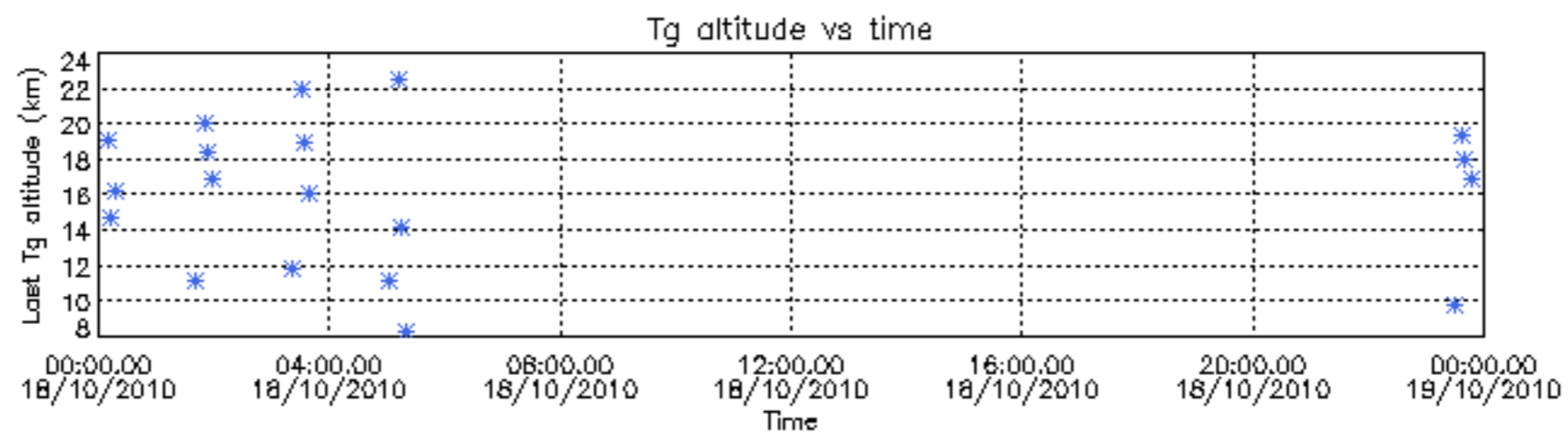
Percentage of star falling outside central band per profile



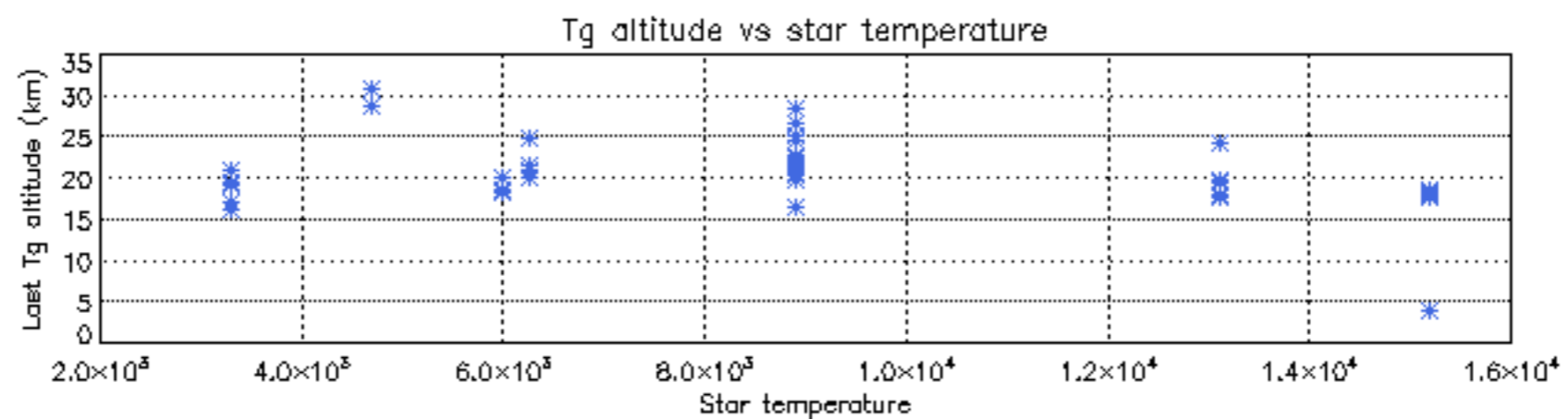
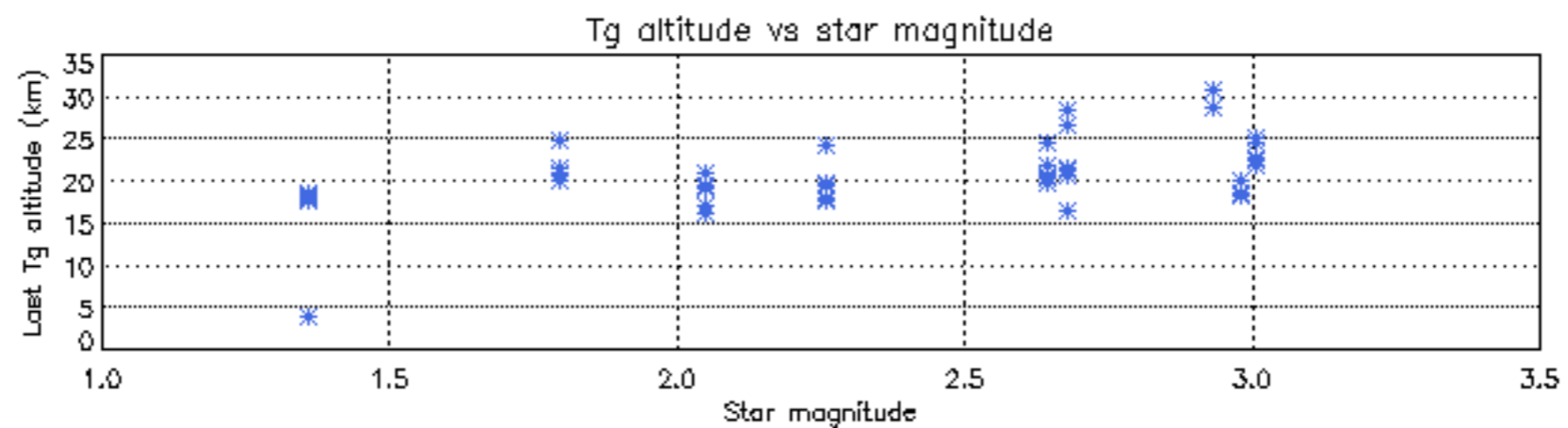
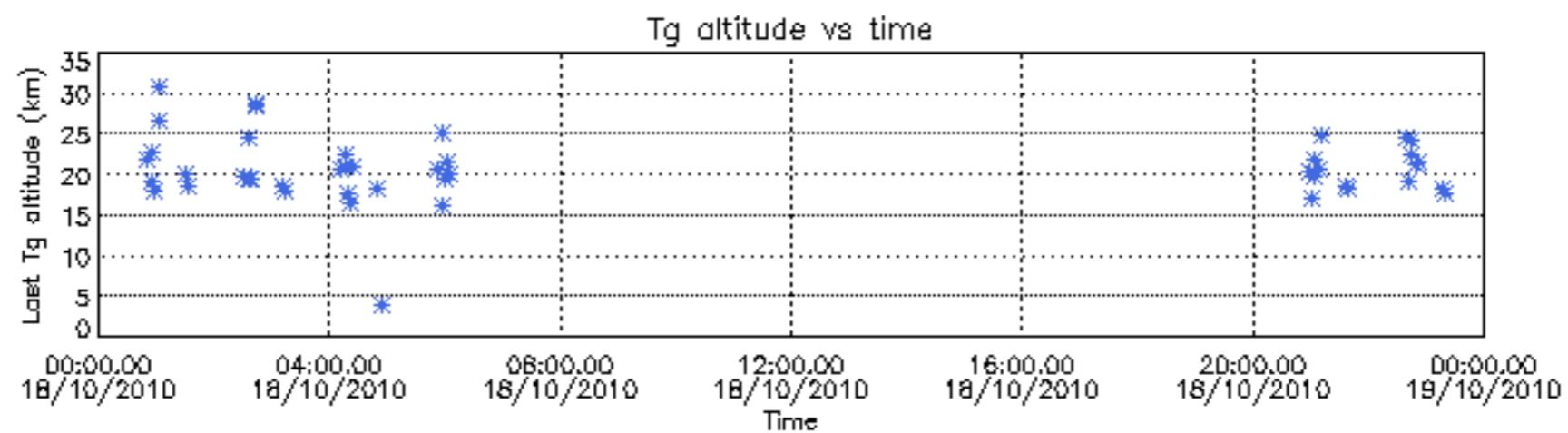
Percentage of saturation errors per profile

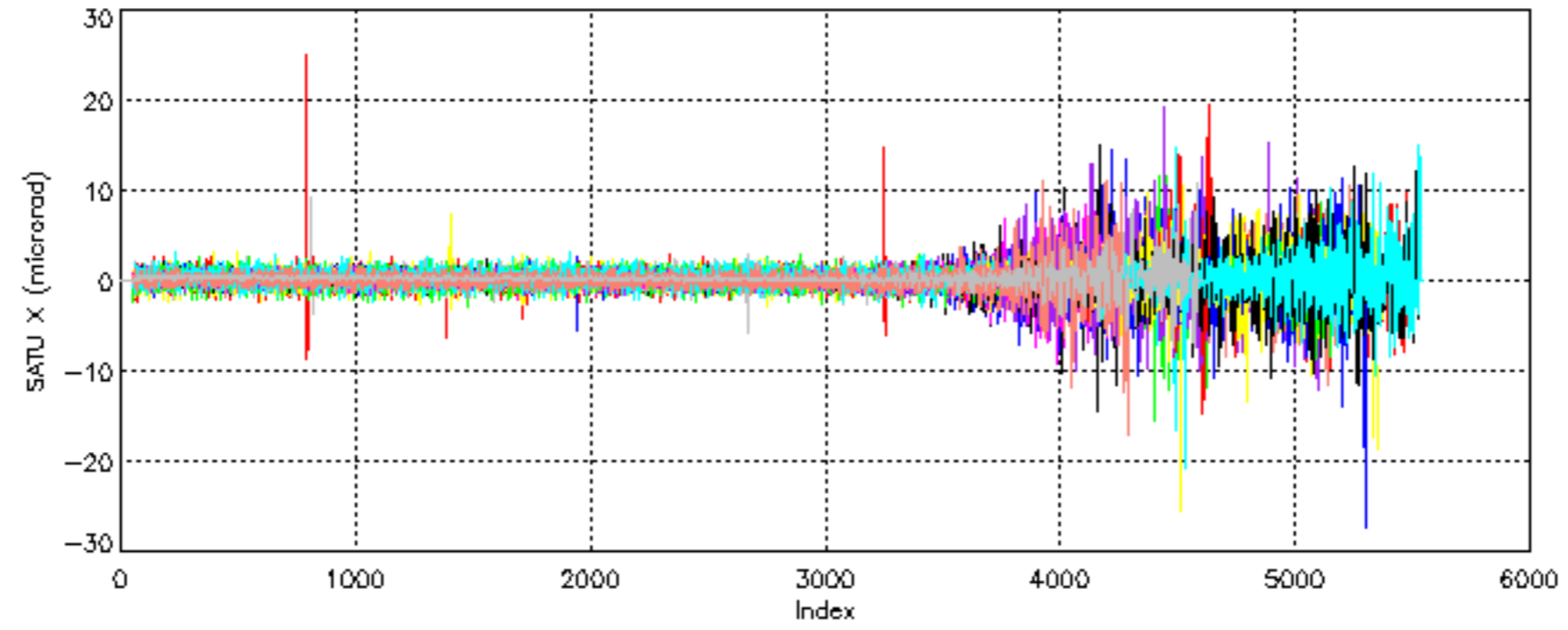


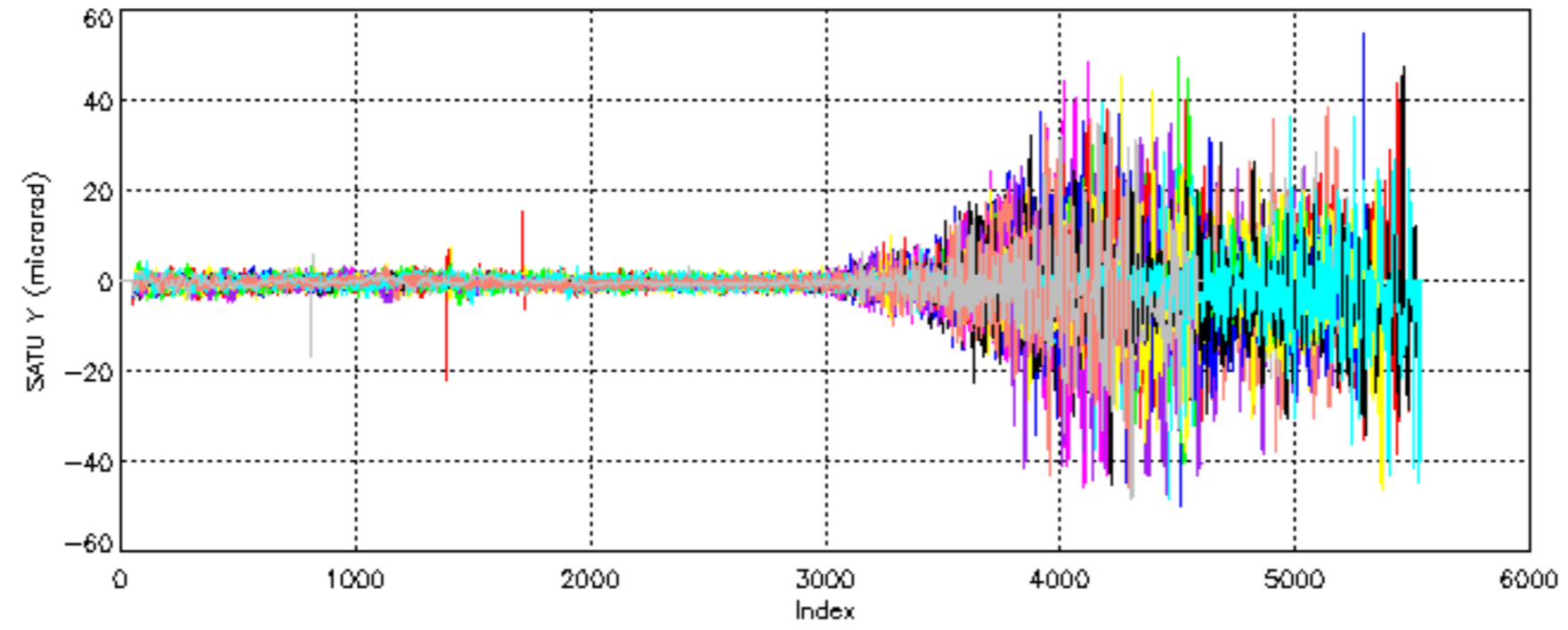
Tangent altitude at which the star is lost

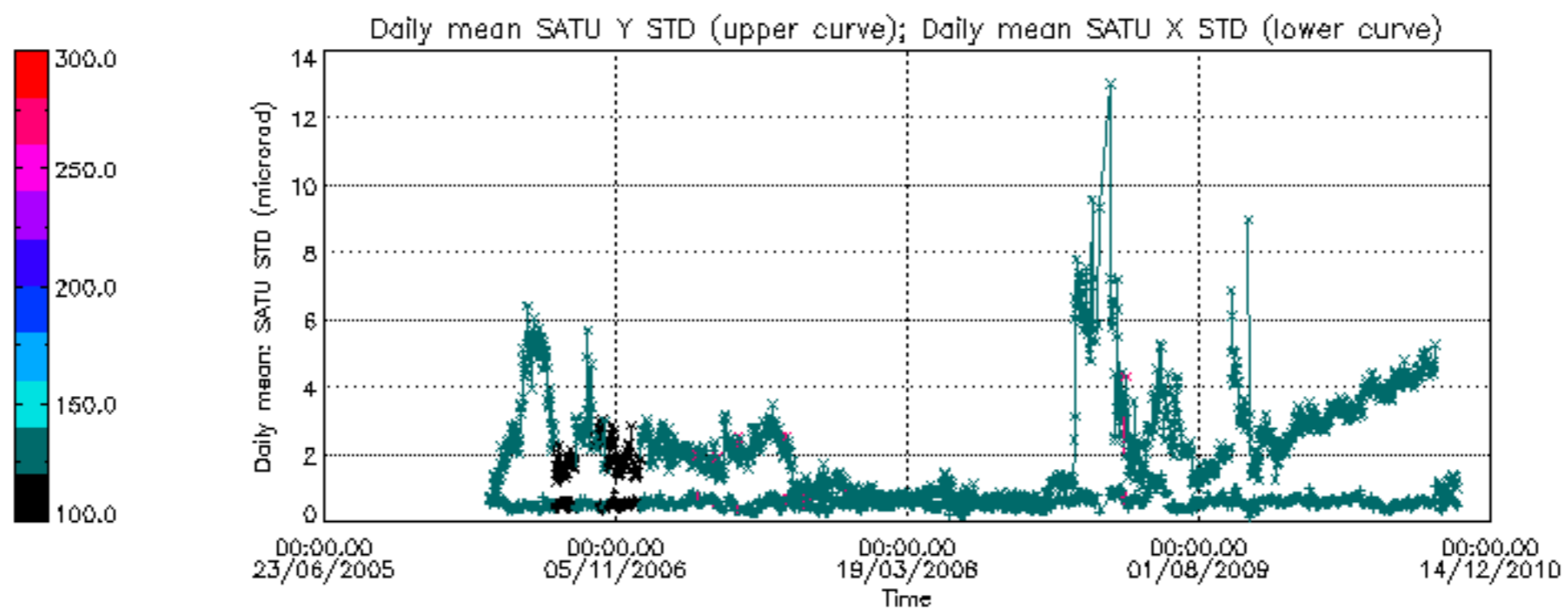


Tangent altitude at which the star is lost









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1; -452.2; 01-OCT-2010 00:38:29; Dark ; 46.0; 132; 15Rho Pup ; 2.80; 6900;occ; 92; 0;44888
 2; -204.7; 01-OCT-2010 00:42:36; Dark ; 54.0; 37; 25Del CMA ; 1.83; 5900;occ; 108; 0;44888
 3; -44.1; 01-OCT-2010 00:45:17; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;44888
 4; 168.4; 01-OCT-2010 00:48:49; Dark ; 53.5; 2; Alp Car ;-0.74; 7000;occ; 107; 0;44889
 5; 300.4; 01-OCT-2010 00:51:01; Dark ; 57.0; 108; Alp Col ; 2.65; 15200;occ; 114; 0;44889
 6; 912.7; 01-OCT-2010 01:01:14; Dark ; 50.5; 157; The1Eri ; 2.91; 9300;occ; 101; 0;44889
 7; 1556.6; 01-OCT-2010 01:11:57; Dark ; 49.0; 52; 16Bet Cet ; 2.04; 4500;occ; 98; 0;44889
 8; 2185.8; 01-OCT-2010 01:22:27; Bright; 41.0; 140; 88Gam Peg ; 2.83; 26000;occ; 82; 0;44889
 9; 2435.7; 01-OCT-2010 01:26:37; Bright; 40.0; 58; 21Alp And ; 2.07; 11000;occ; 80; 0;44889
 10; 2662.3; 01-OCT-2010 01:30:23; Bright; 46.0; 53; 43Bet And ; 2.05; 3300;occ; 92; 0;44889
 11; 2951.5; 01-OCT-2010 01:35:12; Bright; 38.5; 74; 11Bet Cas ; 2.27; 6600;occ; 77; 0;44889
 12; 3032.9; 01-OCT-2010 01:36:34; Bright; 39.0; 76; 27Gam Cas ; 2.30; 30000;occ; 78; 0;44889
 13; 4512.1; 01-OCT-2010 02:01:13; Bright; 39.0; 24; 66Alp Gem ; 1.58; 10200;occ; 78; 0;44889
 14; 4600.3; 01-OCT-2010 02:02:41; Bright; 76.5; 17; 78Bet Gem ; 1.16; 4500;occ; 153; 0;44889

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1; -875.0; 01-OCT-2010 02:12:02; Dark ; 38.0; 8; 10Alp CMi ; 0.40; 6500;occ; 76; 0;44889
 2; -451.6; 01-OCT-2010 02:19:05; Dark ; 48.5; 132; 15Rho Pup ; 2.80; 6900;occ; 97; 0;44889
 3; -203.5; 01-OCT-2010 02:23:13; Dark ; 54.0; 37; 25Del CMA ; 1.83; 5900;occ; 108; 0;44889
 4; -43.4; 01-OCT-2010 02:25:53; Dark ; 59.0; 0; ; 0.00; 0;occ; 118; 0;44889
 5; 169.1; 01-OCT-2010 02:29:26; Dark ; 45.5; 2; Alp Car ;-0.74; 7000;occ; 91; 0;44890
 6; 302.0; 01-OCT-2010 02:31:39; Dark ; 57.5; 108; Alp Col ; 2.65; 15200;occ; 115; 0;44890
 7; 913.7; 01-OCT-2010 02:41:50; Dark ; 51.0; 157; The1Eri ; 2.91; 9300;occ; 102; 0;44890
 8; 1557.0; 01-OCT-2010 02:52:34; Dark ; 51.0; 52; 16Bet Cet ; 2.04; 4500;occ; 102; 0;44890
 9; 2185.6; 01-OCT-2010 03:03:02; Bright; 40.5; 140; 88Gam Peg ; 2.83; 26000;occ; 81; 0;44890
 10; 2435.4; 01-OCT-2010 03:07:12; Bright; 39.5; 58; 21Alp And ; 2.07; 11000;occ; 79; 0;44890
 11; 2661.7; 01-OCT-2010 03:10:58; Bright; 48.5; 53; 43Bet And ; 2.05; 3300;occ; 97; 0;44890
 12; 2951.6; 01-OCT-2010 03:15:48; Bright; 36.5; 74; 11Bet Cas ; 2.27; 6600;occ; 73; 0;44890
 13; 3032.4; 01-OCT-2010 03:17:09; Bright; 40.0; 76; 27Gam Cas ; 2.30; 30000;occ; 80; 0;44890

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1; -1523.7; 01-OCT-2010 03:41:49; Bright; 31.0; 24; 66Alp Gem ; 1.58; 10200;occ; 62; 0;44890
 2; -1435.2; 01-OCT-2010 03:43:18; Bright; 73.0; 17; 78Bet Gem ; 1.16; 4500;occ; 146; 0;44890
 3; -874.0; 01-OCT-2010 03:52:39; Dark ; 30.0; 8; 10Alp CMi ; 0.40; 6500;occ; 60; 0;44890
 4; -450.8; 01-OCT-2010 03:59:42; Dark ; 45.5; 132; 15Rho Pup ; 2.80; 6900;occ; 91; 0;44890
 5; -202.1; 01-OCT-2010 04:03:51; Dark ; 65.0; 37; 25Del CMA ; 1.83; 5900;occ; 130; 0;44890
 6; -42.6; 01-OCT-2010 04:06:30; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;44890
 7; 169.8; 01-OCT-2010 04:10:03; Dark ; 44.5; 2; Alp Car ;-0.74; 7000;occ; 89; 0;44891
 8; 303.6; 01-OCT-2010 04:12:16; Dark ; 57.5; 108; Alp Col ; 2.65; 15200;occ; 115; 0;44891
 9; 914.5; 01-OCT-2010 04:22:27; Dark ; 49.0; 157; The1Eri ; 2.91; 9300;occ; 98; 0;44891
 10; 1557.3; 01-OCT-2010 04:33:10; Dark ; 51.0; 52; 16Bet Cet ; 2.04; 4500;occ; 102; 0;44891
 11; 2185.6; 01-OCT-2010 04:43:38; Bright; 41.0; 140; 88Gam Peg ; 2.83; 26000;occ; 82; 0;44891
 12; 2435.5; 01-OCT-2010 04:47:48; Bright; 39.0; 58; 21Alp And ; 2.07; 11000;occ; 78; 0;44891
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 14; 2951.5; 01-OCT-2010 04:56:24; Bright; 39.0; 74; 11Bet Cas ; 2.27; 6600;occ; 78; 0;44891
 15; 3032.0; 01-OCT-2010 04:57:45; Bright; 41.0; 76; 27Gam Cas ; 2.30; 30000;occ; 82; 0;44891

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 5; -200.8; 01-OCT-2010 05:44:28; Dark ; 64.5; 37; 25Del CMA ; 1.83; 5900;occ; 129; 0;44891
 6; -41.9; 01-OCT-2010 05:47:07; Dark ; 59.0; 0; ; 0.00; 0;occ; 118; 0;44891
 7; 170.7; 01-OCT-2010 05:50:39; Dark ; 58.5; 2; Alp Car ;-0.74; 7000;occ; 117; 0;44892
 8; 305.2; 01-OCT-2010 05:52:54; Dark ; 58.0; 108; Alp Col ; 2.65; 15200;occ; 116; 0;44892
 9; 915.1; 01-OCT-2010 06:03:04; Dark ; 49.0; 157; The1Eri ; 2.91; 9300;occ; 98; 0;44892
 10; 1557.4; 01-OCT-2010 06:13:46; Dark ; 49.5; 52; 16Bet Cet ; 2.04; 4500;occ; 99; 0;44892
 11; 2185.4; 01-OCT-2010 06:24:14; Bright; 40.5; 140; 88Gam Peg ; 2.83; 26000;occ; 81; 0;44892
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 14; 2951.2; 01-OCT-2010 06:37:00; Bright; 39.0; 74; 11Bet Cas ; 2.27; 6600;occ; 78; 0;44892
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 3; -199.5; 01-OCT-2010 07:25:05; Dark ; 54.5; 37; 25Del CMA ; 1.83; 5900;occ; 109; 0;44892
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 5; 171.4; 01-OCT-2010 07:31:16; Dark ; 60.0; 2; Alp Car ;-0.74; 7000;occ; 120; 0;44893
 6; 306.8; 01-OCT-2010 07:33:31; Dark ; 59.0; 108; Alp Col ; 2.65; 15200;occ; 118; 0;44893

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7; 915.8; 01-OCT-2010 07:43:40; Dark ; 49.5; 157; The1Eri ; 2.91; 9300;occ; 99; 0;44893
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 7; 4607.3; 02-OCT-2010 18:17:10; Bright; 37.0; 17; 78Bet Gem ; 1.16; 4500;occ; 74; 0;44913
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 4; 2428.9; 02-OCT-2010 19:21:28; Bright; 41.0; 58; 21Alp And ; 2.07; 11000;occ; 82; 0;44914
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 6; 2945.7; 02-OCT-2010 19:30:05; Bright; 39.5; 74; 11Bet Cas ; 2.27; 6600;occ; 79; 0;44914
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 9; 2180.1; 03-OCT-2010 01:59:43; Bright; 40.0; 140; 88Gam Peg ; 2.83; 26000;occ; 80; 0;44918
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6; 6143.5; 03-OCT-2010 04:46:22; Dark ; 42.0; 161; Tau Pup ; 2.93; 4500;occ; 84; 0;44919
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11; 8215.8; 03-OCT-2010 05:20:54; Bright; 39.5; 140; 88Gam Peg ; 2.83; 26000;occ; 79; 0;44919
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14; 8980.3; 03-OCT-2010 05:33:39; Bright; 37.5; 74; 11Bet Cas ; 2.27; 6600;occ; 75; 0;44919
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7; 935.8; 03-OCT-2010 06:40:46; Dark ; 49.5; 157; The1Eri ; 2.91; 9300;occ; 99; 0;44921
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5; 2636.1; 03-OCT-2010 20:33:54; Bright; 44.0; 53; 43Bet And ; 2.05; 3300;occ; 88; 0;44929
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 3; 2692.2; 12-OCT-2010 12:29:03; Bright; 48.5; 173; 4Bet Tri ; 3.00; 8900;occ; 97; 0;45053
 4; 2798.8; 12-OCT-2010 12:30:49; Bright; 44.5; 73; 57Gam1And ; 2.26; 13100;occ; 89; 0;45053
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 6; 2979.6; 12-OCT-2010 12:33:50; Bright; 40.0; 76; 27Gam Cas ; 2.30; 30000;occ; 80; 0;45053
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13; 6333.0; 12-OCT-2010 13:29:44; Dark ; 46.5; 2; Alp Car ; -0.74; 7000;occ; 93; 0;45053
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 8; 4622.0; 12-OCT-2010 14:41:48; Bright; 40.5; 166; 17Eps Leo ; 2.98; 6000;occ; 81; 0;45054
 9; 5241.7; 12-OCT-2010 14:52:08; Dark ; 49.5; 48; 30Alp Hya ; 1.98; 4100;occ; 99; 0;45054
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 9; 5242.2; 12-OCT-2010 16:32:45; Dark ; 53.5; 48; 30Alp Hya ; 1.98; 4100;occ; 107; 0;45055
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 8; 4622.8; 12-OCT-2010 21:24:13; Bright; 40.0; 166; 17Eps Leo ; 2.98; 6000;occ; 80; 0;45058
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 2; 2369.2; 13-OCT-2010 18:34:26; Bright; 47.5; 105; 6Bet Ari ; 2.64; 8900;occ; 95; 0;45071
 3; 2565.9; 13-OCT-2010 18:37:43; Bright; 40.5; 53; 43Bet And ; 2.05; 3300;occ; 81; 0;45071
 4; 2677.6; 13-OCT-2010 18:39:35; Bright; 47.5; 173; 4Bet Tri ; 3.00; 8900;occ; 95; 0;45071
 5; 2785.9; 13-OCT-2010 18:41:23; Bright; 46.5; 73; 57Gam1And ; 2.26; 13100;occ; 93; 0;45071
 6; 2975.2; 13-OCT-2010 18:44:32; Bright; 37.5; 76; 27Gam Cas ; 2.30; 30000;occ; 75; 0;45071
 7; 3108.6; 13-OCT-2010 18:46:46; Bright; 48.0; 160; 23Gam Per ; 2.93; 4700;occ; 96; 0;45071
 8; 4626.0; 13-OCT-2010 19:12:03; Bright; 39.5; 166; 17Eps Leo ; 2.98; 6000;occ; 79; 0;45071
 9; 5252.2; 13-OCT-2010 19:22:29; Dark ; 45.0; 48; 30Alp Hya ; 1.98; 4100;occ; 90; 0;45071
10; 5767.2; 13-OCT-2010 19:31:04; Dark ; 52.0; 132; 15Rho Pup ; 2.80; 6900;occ; 104; 0;45071
11; 5956.6; 13-OCT-2010 19:34:14; Dark ; 44.5; 70; Zet Pup ; 2.25; 39000;occ; 89; 0;45071
12; 6140.1; 13-OCT-2010 19:37:17; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;45071
13; 6266.2; 13-OCT-2010 19:39:23; Dark ; 41.5; 161; Tau Pup ; 2.93; 4500;occ; 83; 0;45071
14; 6347.7; 13-OCT-2010 19:40:45; Dark ; 45.0; 2; Alp Car ; -0.74; 7000;occ; 90; 0;45071
15; 6613.8; 13-OCT-2010 19:45:11; Dark ; 63.0; 108; Alp Col ; 2.65; 15200;occ; 126; 0;45071
16; 7064.2; 13-OCT-2010 19:52:41; Dark ; 32.5; 157; The1Eri ; 2.91; 9300;occ; 65; 0;45071
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 2; -265.0; 14-OCT-2010 00:32:56; Dark ; 51.5; 132; 15Rho Pup ; 2.80; 6900;occ; 103; 0;45074
 3; -76.6; 14-OCT-2010 00:36:04; Dark ; 45.0; 70; Zet Pup ; 2.25; 39000;occ; 90; 0;45074
 4; 106.8; 14-OCT-2010 00:39:07; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;45075
 5; 232.5; 14-OCT-2010 00:41:13; Dark ; 44.5; 161; Tau Pup ; 2.93; 4500;occ; 89; 0;45075
 6; 314.1; 14-OCT-2010 00:42:35; Dark ; 54.5; 2; Alp Car ; -0.74; 7000;occ; 109; 0;45075
 7; 581.9; 14-OCT-2010 00:47:03; Dark ; 61.5; 108; Alp Col ; 2.65; 15200;occ; 123; 0;45075
 8; 1029.6; 14-OCT-2010 00:54:30; Dark ; 47.0; 157; The1Eri ; 2.91; 9300;occ; 94; 0;45075
 9; 2366.5; 14-OCT-2010 01:16:47; Bright; 48.5; 105; 6Bet Ari ; 2.64; 8900;occ; 97; 0;45075
10; 2564.3; 14-OCT-2010 01:20:05; Bright; 42.5; 53; 43Bet And ; 2.05; 3300;occ; 85; 0;45075
11; 2674.3; 14-OCT-2010 01:21:55; Bright; 48.5; 173; 4Bet Tri ; 3.00; 8900;occ; 97; 0;45075
12; 2783.3; 14-OCT-2010 01:23:44; Bright; 44.0; 73; 57Gam1And ; 2.26; 13100;occ; 88; 0;45075
13; 2974.0; 14-OCT-2010 01:26:55; Bright; 38.0; 76; 27Gam Cas ; 2.30; 30000;occ; 76; 0;45075
14; 3105.2; 14-OCT-2010 01:29:06; Bright; 45.5; 160; 23Gam Per ; 2.93; 4700;occ; 91; 0;45075
15; 4626.8; 14-OCT-2010 01:54:27; Bright; 58.5; 166; 17Eps Leo ; 2.98; 6000;occ; 117; 0;45075

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 3; -75.7; 14-OCT-2010 02:16:41; Dark ; 44.0; 70; Zet Pup ; 2.25; 39000;occ; 88; 0;45075
 4; 107.6; 14-OCT-2010 02:19:44; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;45076
 5; 233.3; 14-OCT-2010 02:21:50; Dark ; 45.0; 161; Tau Pup ; 2.93; 4500;occ; 90; 0;45076
 6; 315.0; 14-OCT-2010 02:23:11; Dark ; 48.5; 2; Alp Car ;-0.74; 7000;occ; 97; 0;45076
 7; 583.6; 14-OCT-2010 02:27:40; Dark ; 64.0; 108; Alp Col ; 2.65; 15200;occ; 128; 0;45076
 8; 1030.3; 14-OCT-2010 02:35:07; Dark ; 47.5; 157; The1Eri ; 2.91; 9300;occ; 95; 0;45076
 9; 2366.0; 14-OCT-2010 02:57:22; Bright; 49.5; 105; 6Bet Ari ; 2.64; 8900;occ; 99; 0;45076
 10; 2563.9; 14-OCT-2010 03:00:40; Bright; 43.5; 53; 43Bet And ; 2.05; 3300;occ; 87; 0;45076
 11; 2673.6; 14-OCT-2010 03:02:30; Bright; 49.0; 173; 4Bet Tri ; 3.00; 8900;occ; 98; 0;45076
 12; 2782.7; 14-OCT-2010 03:04:19; Bright; 46.0; 73; 57Gam1And ; 2.26; 13100;occ; 92; 0;45076
 13; 2973.9; 14-OCT-2010 03:07:30; Bright; 37.5; 76; 27Gam Cas ; 2.30; 30000;occ; 75; 0;45076
 14; 3104.5; 14-OCT-2010 03:09:41; Bright; 43.5; 160; 23Gam Per ; 2.93; 4700;occ; 87; 0;45076

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1; -1408.7; 14-OCT-2010 03:35:04; Bright; 42.0; 166; 17Eps Leo ; 2.98; 6000;occ; 84; 0;45076
 2; -780.6; 14-OCT-2010 03:45:32; Dark ; 53.0; 48; 30Alp Hya ; 1.98; 4100;occ; 106; 0;45076
 3; -262.5; 14-OCT-2010 03:54:10; Dark ; 53.5; 132; 15Rho Pup ; 2.80; 6900;occ; 107; 0;45076
 4; -74.8; 14-OCT-2010 03:57:18; Dark ; 43.5; 70; Zet Pup ; 2.25; 39000;occ; 87; 0;45076
 5; 108.5; 14-OCT-2010 04:00:21; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;45077
 6; 234.2; 14-OCT-2010 04:02:27; Dark ; 43.5; 161; Tau Pup ; 2.93; 4500;occ; 87; 0;45077
 7; 315.9; 14-OCT-2010 04:03:48; Dark ; 46.0; 2; Alp Car ;-0.74; 7000;occ; 92; 0;45077
 8; 584.9; 14-OCT-2010 04:08:17; Dark ; 64.0; 108; Alp Col ; 2.65; 15200;occ; 128; 0;45077
 9; 1030.9; 14-OCT-2010 04:15:43; Dark ; 47.5; 157; The1Eri ; 2.91; 9300;occ; 95; 0;45077
 10; 2365.7; 14-OCT-2010 04:37:58; Bright; 49.0; 105; 6Bet Ari ; 2.64; 8900;occ; 98; 0;45077
 11; 2564.0; 14-OCT-2010 04:41:16; Bright; 42.0; 53; 43Bet And ; 2.05; 3300;occ; 84; 0;45077
 12; 2673.0; 14-OCT-2010 04:43:05; Bright; 48.5; 173; 4Bet Tri ; 3.00; 8900;occ; 97; 0;45077
 13; 2782.3; 14-OCT-2010 04:44:55; Bright; 49.0; 73; 57Gam1And ; 2.26; 13100;occ; 98; 0;45077
 14; 2973.6; 14-OCT-2010 04:48:06; Bright; 39.5; 76; 27Gam Cas ; 2.30; 30000;occ; 79; 0;45077
 15; 3103.8; 14-OCT-2010 04:50:16; Bright; 48.0; 160; 23Gam Per ; 2.93; 4700;occ; 96; 0;45077

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 4; -73.9; 14-OCT-2010 05:37:55; Dark ; 49.0; 70; Zet Pup ; 2.25; 39000;occ; 98; 0;45077
 5; 109.4; 14-OCT-2010 05:40:58; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;45078
 6; 235.2; 14-OCT-2010 05:43:04; Dark ; 44.0; 161; Tau Pup ; 2.93; 4500;occ; 88; 0;45078
 7; 316.7; 14-OCT-2010 05:44:25; Dark ; 45.0; 2; Alp Car ;-0.74; 7000;occ; 90; 0;45078
 8; 586.4; 14-OCT-2010 05:48:55; Dark ; 64.0; 108; Alp Col ; 2.65; 15200;occ; 128; 0;45078
 9; 1031.3; 14-OCT-2010 05:56:20; Dark ; 45.0; 157; The1Eri ; 2.91; 9300;occ; 90; 0;45078
 10; 2364.9; 14-OCT-2010 06:18:33; Bright; 48.5; 105; 6Bet Ari ; 2.64; 8900;occ; 97; 0;45078
 11; 2563.4; 14-OCT-2010 06:21:52; Bright; 43.0; 53; 43Bet And ; 2.05; 3300;occ; 86; 0;45078
 12; 2672.1; 14-OCT-2010 06:23:41; Bright; 46.5; 173; 4Bet Tri ; 3.00; 8900;occ; 93; 0;45078
 13; 2781.4; 14-OCT-2010 06:25:30; Bright; 46.5; 73; 57Gam1And ; 2.26; 13100;occ; 93; 0;45078
 14; 2973.4; 14-OCT-2010 06:28:42; Bright; 38.5; 76; 27Gam Cas ; 2.30; 30000;occ; 77; 0;45078
 15; 3102.8; 14-OCT-2010 06:30:51; Bright; 49.0; 160; 23Gam Per ; 2.93; 4700;occ; 98; 0;45078

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 2; 2359.5; 14-OCT-2010 21:23:51; Bright; 48.0; 105; 6Bet Ari ; 2.64; 8900;occ; 96; 0;45087
 3; 2560.3; 14-OCT-2010 21:27:12; Bright; 39.0; 53; 43Bet And ; 2.05; 3300;occ; 78; 0;45087
 4; 2665.3; 14-OCT-2010 21:28:57; Bright; 46.5; 173; 4Bet Tri ; 3.00; 8900;occ; 93; 0;45087
 5; 2775.4; 14-OCT-2010 21:30:47; Bright; 48.5; 73; 57Gam1And ; 2.26; 13100;occ; 97; 0;45087
 6; 2971.1; 14-OCT-2010 21:34:03; Bright; 38.5; 76; 27Gam Cas ; 2.30; 30000;occ; 77; 0;45087
 7; 3095.8; 14-OCT-2010 21:36:08; Bright; 44.0; 160; 23Gam Per ; 2.93; 4700;occ; 88; 0;45087
 8; 4630.0; 14-OCT-2010 22:01:42; Bright; 42.5; 166; 17Eps Leo ; 2.98; 6000;occ; 85; 0;45087
 9; 4824.7; 14-OCT-2010 22:04:56; Bright; 39.0; 22; 32Alp Leo ; 1.36; 15200;occ; 78; 0;45087
 10; 5262.6; 14-OCT-2010 22:12:14; Dark ; 1.5; 48; 30Alp Hya ; 1.98; 4100;occ; 3; 0;45087

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 2; -247.6; 15-OCT-2010 00:01:36; Dark ; 53.5; 132; 15Rho Pup ; 2.80; 6900;occ; 107; 0;45088
 3; -10.9; 15-OCT-2010 00:05:32; Dark ; 45.5; 34; Gam2Vel ; 1.79; 23000;occ; 91; 0;45088
 4; 119.1; 15-OCT-2010 00:07:42; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;45089
 5; 244.2; 15-OCT-2010 00:09:48; Dark ; 44.0; 161; Tau Pup ; 2.93; 4500;occ; 88; 0;45089
 6; 325.5; 15-OCT-2010 00:11:09; Dark ; 46.0; 2; Alp Car ;-0.74; 7000;occ; 92; 0;45089
 7; 602.3; 15-OCT-2010 00:15:46; Dark ; 25.0; 108; Alp Col ; 2.65; 15200;occ; 50; 0;45089
 8; 1037.2; 15-OCT-2010 00:23:01; Dark ; 45.5; 157; The1Eri ; 2.91; 9300;occ; 91; 0;45089
 9; 2358.4; 15-OCT-2010 00:45:02; Bright; 46.5; 105; 6Bet Ari ; 2.64; 8900;occ; 93; 0;45089


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10; 2559.3; 15-OCT-2010 00:48:23; Bright; 40.5; 53; 43Bet And ; 2.05; 3300;occ; 81; 0;45089
11; 2663.8; 15-OCT-2010 00:50:07; Bright; 46.5; 173; 4Bet Tri ; 3.00; 8900;occ; 93; 0;45089
12; 2774.0; 15-OCT-2010 00:51:57; Bright; 46.5; 73; 57Gam1And ; 2.26; 13100;occ; 93; 0;45089
13; 2970.5; 15-OCT-2010 00:55:14; Bright; 39.0; 76; 27Gam Cas ; 2.30; 30000;occ; 78; 0;45089
14; 3094.1; 15-OCT-2010 00:57:17; Bright; 47.5; 160; 23Gam Per ; 2.93; 4700;occ; 95; 0;45089
15; 4630.4; 15-OCT-2010 01:22:54; Bright; 55.5; 166; 17Eps Leo ; 2.98; 6000;occ; 111; 0;45089
16; 4825.3; 15-OCT-2010 01:26:09; Bright; 56.5; 22; 32Alp Leo ; 1.36; 15200;occ; 113; 0;45089
/nas3/ENVISAT/GOMOS/GOM_NL__0P/GOM_NL__0PNPDK20101014_065616_000015532093_00435_45078_2697.N1
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 2; -779.2; 14-OCT-2010 07:06:45; Dark ; 53.5; 48; 30Alp Hya ; 1.98; 4100;occ; 107; 0;45078
 3; -260.2; 14-OCT-2010 07:15:24; Dark ; 52.0; 132; 15Rho Pup ; 2.80; 6900;occ; 104; 0;45078
 4; -72.8; 14-OCT-2010 07:18:32; Dark ; 43.5; 70; Zet Pup ; 2.25; 39000;occ; 87; 0;45078
 5; 80.1; 14-OCT-2010 07:21:04; Dark ; 65.0; 37; 25Del CMa ; 1.83; 5900;occ; 130; 0;45079
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 2; 236.9; 14-OCT-2010 09:04:17; Dark ; 43.5; 161; Tau Pup ; 2.93; 4500;occ; 87; 0;45080
 3; 318.4; 14-OCT-2010 09:05:39; Dark ; 60.0; 2; Alp Car ; -0.74; 7000;occ; 120; 0;45080
 4; 589.4; 14-OCT-2010 09:10:10; Dark ; 28.0; 108; Alp Col ; 2.65; 15200;occ; 56; 0;45080
 5; 1032.6; 14-OCT-2010 09:17:33; Dark ; 46.5; 157; The1Eri ; 2.91; 9300;occ; 93; 0;45080
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 2; 2562.7; 14-OCT-2010 09:43:03; Bright; 41.0; 53; 43Bet And ; 2.05; 3300;occ; 82; 0;45080
 3; 2670.5; 14-OCT-2010 09:44:51; Bright; 50.0; 173; 4Bet Tri ; 3.00; 8900;occ; 100; 0;45080
 4; 2780.0; 14-OCT-2010 09:46:40; Bright; 47.5; 73; 57Gam1And ; 2.26; 13100;occ; 95; 0;45080
 5; 2973.0; 14-OCT-2010 09:49:53; Bright; 39.5; 76; 27Gam Cas ; 2.30; 30000;occ; 79; 0;45080
 6; 3101.4; 14-OCT-2010 09:52:02; Bright; 47.5; 160; 23Gam Per ; 2.93; 4700;occ; 95; 0;45080
 7; 4628.2; 14-OCT-2010 10:17:29; Bright; 42.0; 166; 17Eps Leo ; 2.98; 6000;occ; 84; 0;45080
 8; 4822.3; 14-OCT-2010 10:20:43; Bright; 40.0; 22; 32Alp Leo ; 1.36; 15200;occ; 80; 0;45080
 9; 5257.9; 14-OCT-2010 10:27:58; Dark ; 52.5; 48; 30Alp Hya ; 1.98; 4100;occ; 105; 0;45080
10; 5778.3; 14-OCT-2010 10:36:39; Dark ; 52.5; 132; 15Rho Pup ; 2.80; 6900;occ; 105; 0;45080
11; 6019.3; 14-OCT-2010 10:40:40; Dark ; 44.5; 34; Gam2Vel ; 1.79; 23000;occ; 89; 0;45080
12; 6147.9; 14-OCT-2010 10:42:48; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;45080
13; 6273.6; 14-OCT-2010 10:44:54; Dark ; 41.5; 161; Tau Pup ; 2.93; 4500;occ; 83; 0;45080
14; 6355.0; 14-OCT-2010 10:46:15; Dark ; 44.5; 2; Alp Car ; -0.74; 7000;occ; 89; 0;45080
15; 6626.6; 14-OCT-2010 10:50:47; Dark ; 28.0; 108; Alp Col ; 2.65; 15200;occ; 56; 0;45080
16; 7069.1; 14-OCT-2010 10:58:09; Dark ; 46.0; 157; The1Eri ; 2.91; 9300;occ; 92; 0;45080
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 2; 2562.4; 14-OCT-2010 11:23:39; Bright; 40.5; 53; 43Bet And ; 2.05; 3300;occ; 81; 0;45081
 3; 2669.9; 14-OCT-2010 11:25:26; Bright; 46.5; 173; 4Bet Tri ; 3.00; 8900;occ; 93; 0;45081
 4; 2779.4; 14-OCT-2010 11:27:15; Bright; 43.5; 73; 57Gam1And ; 2.26; 13100;occ; 87; 0;45081
 5; 2972.8; 14-OCT-2010 11:30:29; Bright; 38.0; 76; 27Gam Cas ; 2.30; 30000;occ; 76; 0;45081
 6; 3100.5; 14-OCT-2010 11:32:37; Bright; 49.0; 160; 23Gam Per ; 2.93; 4700;occ; 98; 0;45081
 7; 4628.4; 14-OCT-2010 11:58:05; Bright; 41.5; 166; 17Eps Leo ; 2.98; 6000;occ; 83; 0;45081
 8; 4822.5; 14-OCT-2010 12:01:19; Bright; 57.0; 22; 32Alp Leo ; 1.36; 15200;occ; 114; 0;45081
 9; 5258.8; 14-OCT-2010 12:08:35; Dark ; 50.0; 48; 30Alp Hya ; 1.98; 4100;occ; 100; 0;45081
10; 5779.5; 14-OCT-2010 12:17:16; Dark ; 52.5; 132; 15Rho Pup ; 2.80; 6900;occ; 105; 0;45081
11; 6020.0; 14-OCT-2010 12:21:16; Dark ; 44.5; 34; Gam2Vel ; 1.79; 23000;occ; 89; 0;45081
12; 6148.7; 14-OCT-2010 12:23:25; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;45081
13; 6274.4; 14-OCT-2010 12:25:31; Dark ; 42.0; 161; Tau Pup ; 2.93; 4500;occ; 84; 0;45081
14; 6355.8; 14-OCT-2010 12:26:52; Dark ; 46.0; 2; Alp Car ; -0.74; 7000;occ; 92; 0;45081
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16; 7069.6; 14-OCT-2010 12:38:46; Dark ; 44.5; 157; The1Eri ; 2.91; 9300;occ; 89; 0;45081
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 2; 2562.1; 14-OCT-2010 13:04:14; Bright; 41.0; 53; 43Bet And ; 2.05; 3300;occ; 82; 0;45082
 3; 2669.3; 14-OCT-2010 13:06:01; Bright; 47.0; 173; 4Bet Tri ; 3.00; 8900;occ; 94; 0;45082
 4; 2778.7; 14-OCT-2010 13:07:51; Bright; 49.0; 73; 57Gam1And ; 2.26; 13100;occ; 98; 0;45082
 5; 2972.6; 14-OCT-2010 13:11:05; Bright; 37.5; 76; 27Gam Cas ; 2.30; 30000;occ; 75; 0;45082
 6; 3100.0; 14-OCT-2010 13:13:12; Bright; 47.5; 160; 23Gam Per ; 2.93; 4700;occ; 95; 0;45082
 7; 4628.8; 14-OCT-2010 13:38:41; Bright; 42.0; 166; 17Eps Leo ; 2.98; 6000;occ; 84; 0;45082
 8; 4823.0; 14-OCT-2010 13:41:55; Bright; 40.5; 22; 32Alp Leo ; 1.36; 15200;occ; 81; 0;45082
 9; 5259.3; 14-OCT-2010 13:49:11; Dark ; 49.5; 48; 30Alp Hya ; 1.98; 4100;occ; 99; 0;45082
10; 5780.8; 14-OCT-2010 13:57:53; Dark ; 52.0; 132; 15Rho Pup ; 2.80; 6900;occ; 104; 0;45082
11; 6020.7; 14-OCT-2010 14:01:53; Dark ; 43.5; 34; Gam2Vel ; 1.79; 23000;occ; 87; 0;45082
12; 6149.7; 14-OCT-2010 14:04:02; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;45082
13; 6275.2; 14-OCT-2010 14:06:07; Dark ; 43.0; 161; Tau Pup ; 2.93; 4500;occ; 86; 0;45082
14; 6356.7; 14-OCT-2010 14:07:29; Dark ; 49.5; 2; Alp Car ; -0.74; 7000;occ; 99; 0;45082

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6; 173.8; 19-OCT-2010 06:25:08; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;45150
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 7; 3058.9; 19-OCT-2010 17:16:48; Bright; 53.5; 35; 33Alp Per ; 1.79; 6250;occ; 107; 0;45156
 8; 4648.3; 19-OCT-2010 17:43:18; Bright; 60.0; 166; 17Eps Leo ; 2.98; 6000;occ; 120; 0;45156
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 4; 2733.4; 19-OCT-2010 18:51:59; Bright; 42.0; 73; 57Gam1And ; 2.26; 13100;occ; 84; 0;45157
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 7; 3058.0; 19-OCT-2010 18:57:24; Bright; 50.0; 35; 33Alp Per ; 1.79; 6250;occ; 100; 0;45157
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 8; 2538.1; 20-OCT-2010 01:31:07; Bright; 42.5; 53; 43Bet And ; 2.05; 3300;occ; 85; 0;45161
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 2; 2313.4; 21-OCT-2010 17:41:44; Bright; 43.0; 105; 6Bet Ari ; 2.64; 8900;occ; 86; 0;45185
 3; 2532.8; 21-OCT-2010 17:45:24; Bright; 41.0; 53; 43Bet And ; 2.05; 3300;occ; 82; 0;45185
 4; 2719.0; 21-OCT-2010 17:48:30; Bright; 45.5; 73; 57Gam1And ; 2.26; 13100;occ; 91; 0;45185
 5; 2862.1; 21-OCT-2010 17:50:53; Bright; 54.0; 79; 26Bet Per ; 2.31; 13100;occ; 108; 0;45185
 6; 3023.5; 21-OCT-2010 17:53:34; Bright; 45.5; 160; 23Gam Per ; 2.93; 4700;occ; 91; 0;45185
 7; 4861.1; 21-OCT-2010 18:24:12; Bright; 40.5; 22; 32Alp Leo ; 1.36; 15200;occ; 81; 0;45185
 8; 5337.5; 21-OCT-2010 18:32:08; Dark ; 54.5; 48; 30Alp Hya ; 1.98; 4100;occ; 109; 0;45185
 9; 5924.0; 21-OCT-2010 18:41:55; Dark ; 58.5; 132; 15Rho Pup ; 2.80; 6900;occ; 117; 0;45185
10; 6067.5; 21-OCT-2010 18:44:18; Dark ; 48.0; 70; Zet Pup ; 2.25; 39000;occ; 96; 0;45185
11; 6242.8; 21-OCT-2010 18:47:14; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;45185
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 3; 2532.6; 21-OCT-2010 19:25:59; Bright; 38.5; 53; 43Bet And ; 2.05; 3300;occ; 77; 0;45186
 4; 2718.6; 21-OCT-2010 19:29:05; Bright; 40.5; 73; 57Gam1And ; 2.26; 13100;occ; 81; 0;45186
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