

GOMOS Daily Report 23-APR-2009

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	26APR2009 05:40:27
Data source version	GOMOS/5.00
Start time of products	23APR2009 00:03:28
Stop time of products	23APR2009 06:01:33
Store outputs in DB	Yes
Nb of level 1b prods	49
Nb of prods with errors	0

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

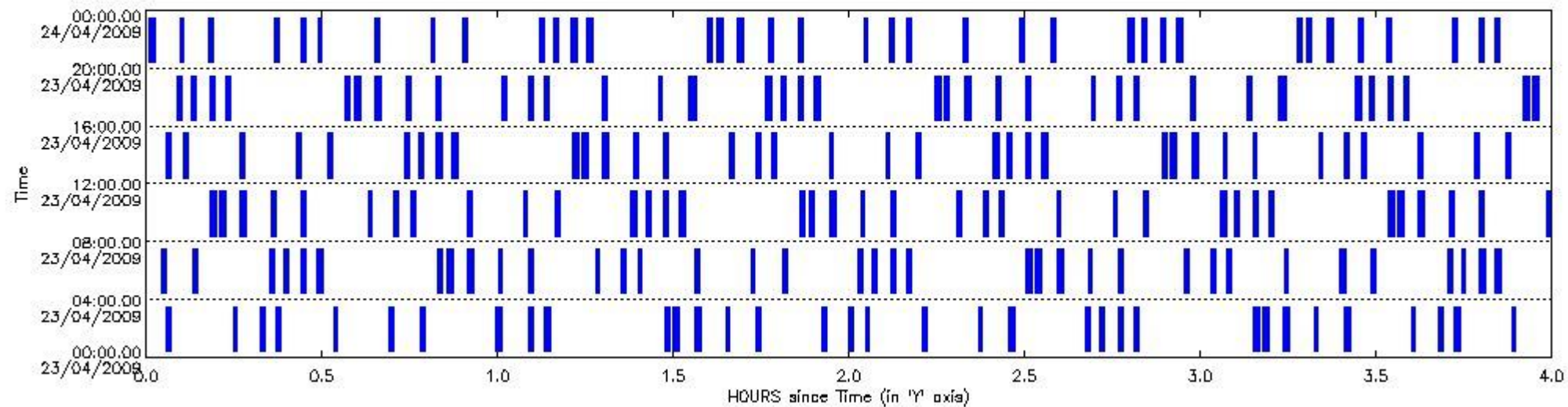
2.1 Level 0 products arrived in PCF (see template [here](#))

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)

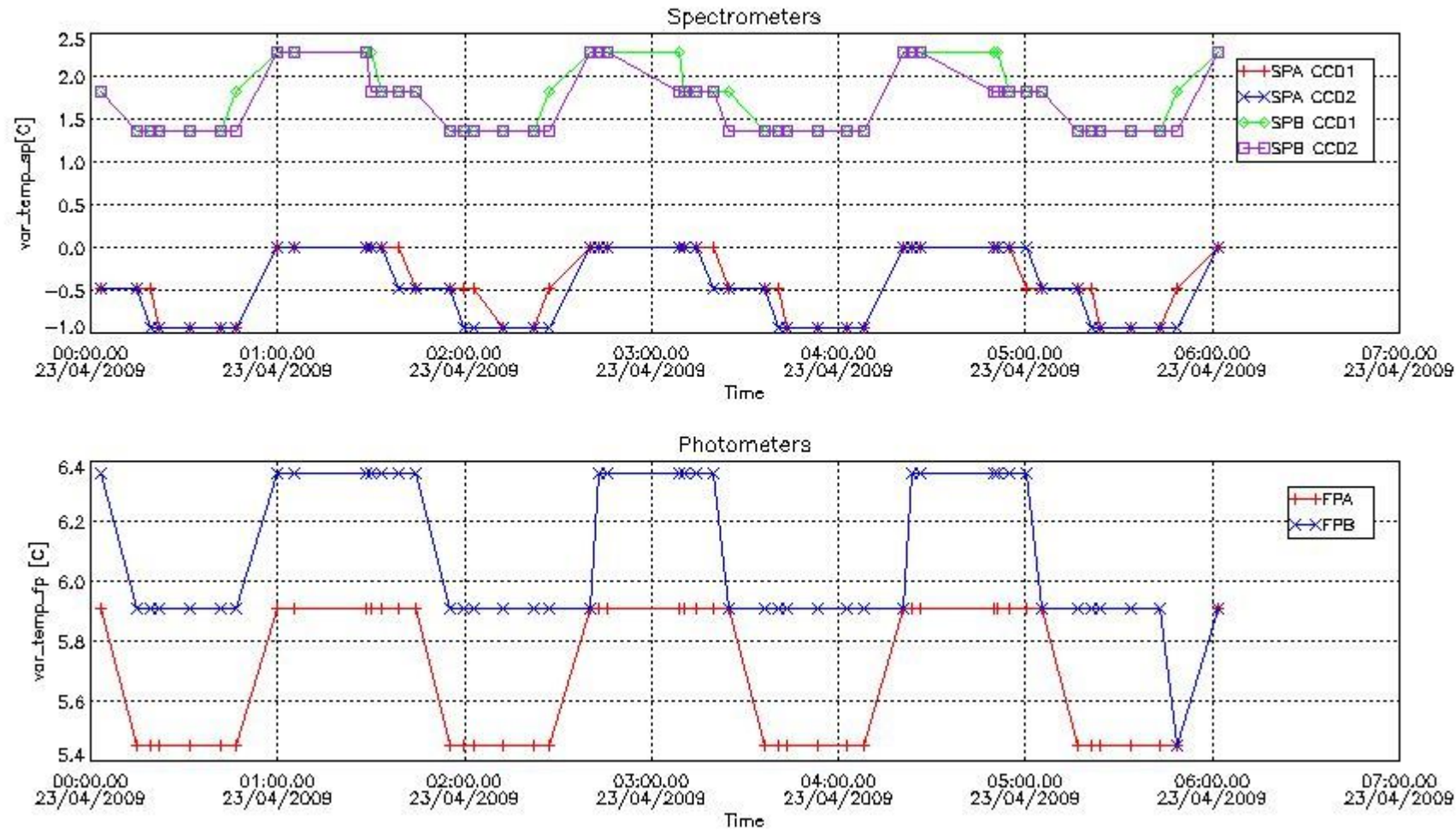
No missing products.

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_1PNPDE20090423_000328_000000502078_00231_37359_5458.N1	23-APR-2009 00:03:28	Bright	50.000	122	9Alp2Lib	2.7470	9700.0	100	37359	No
2	GOM_TRA_1PNPDE20090423_001451_000000412078_00231_37359_5459.N1	23-APR-2009 00:14:51	Bright	41.000	111	8Eta Boo	2.6800	6000.0	82	37359	No
3	GOM_TRA_1PNPDE20090423_001920_000000552078_00231_37359_5460.N1	23-APR-2009 00:19:20	Bright	54.500	83		2.3780	11000.	109	37359	No
4	GOM_TRA_1PNPDE20090423_002210_000000442078_00231_37359_5461.N1	23-APR-2009 00:22:10	Bright	44.000	180	27Gam Boo	3.0400	8000.0	88	37359	No
5	GOM_TRA_1PNPDE20090423_003154_000000452078_00231_37359_5462.N1	23-APR-2009 00:31:54	Bright	45.000	119	14Eta Dra	2.7270	4700.0	90	37359	No
6	GOM_TRA_1PNPDE20090423_004128_000000402078_00231_37359_5463.N1	23-APR-2009 00:41:28	Bright	40.000	89	5Alp Cep	2.4510	8000.0	80	37359	No
7	GOM_TRA_1PNPDE20090423_004644_000000532078_00231_37359_5464.N1	23-APR-2009 00:46:44	Bright	52.500	19	50Alp Cyg	1.2460	10500.	105	37359	No
8	GOM_TRA_1PNPDE20090423_005943_000000582078_00231_37359_5465.N1	23-APR-2009 00:59:43	Dark	57.500	61	8Eps Peg	2.1000	3900.0	115	37359	No
9	GOM_TRA_1PNPDE20090423_010515_000000532078_00231_37359_5583.N1	23-APR-2009 01:05:15	Dark	52.500	154	22Bet Aqr	2.8990	5700.0	105	37359	No
10	GOM_TRA_1PNPDE20090423_012827_000000632078_00232_37360_5584.N1	23-APR-2009 01:28:27	Straylight	62.500	40	The Sco	1.8590	7100.0	125	37360	No
11	GOM_TRA_1PNPDE20090423_012959_000000662078_00232_37360_5585.N1	23-APR-2009 01:29:59	Straylight	65.500	25	35Lam Sco	1.6200	28000.	131	37360	No
12	GOM_TRA_1PNPDE20090423_013334_000000672078_00232_37360_5586.N1	23-APR-2009 01:33:34	Straylight	67.000	75	26Eps Sco	2.2910	4250.0	134	37360	No

13	GOM_TRA_1PNPDE20090423_013858_000000282078_00232_37360_5587.N1	23-APR-2009 01:38:58	Twilight	28.000	158	6Pi Sco	2.9060	28000.	56	37360	No
14	GOM_TRA_1PNPDE20090423_014405_000000502078_00232_37360_5588.N1	23-APR-2009 01:44:05	Bright	49.500	122	9Alp2Lib	2.7470	9700.0	99	37360	No
15	GOM_TRA_1PNPDE20090423_015527_000000412078_00232_37360_5589.N1	23-APR-2009 01:55:27	Bright	41.000	111	8Eta Boo	2.6800	6000.0	82	37360	No
16	GOM_TRA_1PNPDE20090423_015955_000000502078_00232_37360_5590.N1	23-APR-2009 01:59:55	Bright	50.000	83		2.3780	11000.	100	37360	No
17	GOM_TRA_1PNPDE20090423_020245_000000452078_00232_37360_5591.N1	23-APR-2009 02:02:45	Bright	44.500	180	27Gam Boo	3.0400	8000.0	89	37360	No
18	GOM_TRA_1PNPDE20090423_021230_000000452078_00232_37360_5592.N1	23-APR-2009 02:12:30	Bright	45.000	119	14Eta Dra	2.7270	4700.0	90	37360	No
19	GOM_TRA_1PNPDE20090423_022204_000000382078_00232_37360_5593.N1	23-APR-2009 02:22:04	Bright	37.500	89	5Alp Cep	2.4510	8000.0	75	37360	No
20	GOM_TRA_1PNPDE20090423_022720_000000552078_00232_37360_5726.N1	23-APR-2009 02:27:20	Bright	54.500	19	50Alp Cyg	1.2460	10500.	109	37360	No
21	GOM_TRA_1PNPDE20090423_024020_000000562078_00232_37360_5727.N1	23-APR-2009 02:40:20	Dark	56.000	61	8Eps Peg	2.1000	3900.0	112	37360	No
22	GOM_TRA_1PNPDE20090423_024248_000000492078_00232_37360_5728.N1	23-APR-2009 02:42:48	Dark	49.000	162	34Alp Aqr	2.9440	5350.0	98	37360	No
23	GOM_TRA_1PNPDE20090423_024551_000000532078_00232_37360_5729.N1	23-APR-2009 02:45:51	Dark	52.500	154	22Bet Aqr	2.8990	5700.0	105	37360	No
24	GOM_TRA_1PNPDE20090423_030903_000000662078_00233_37361_5730.N1	23-APR-2009 03:09:03	Straylight	66.000	40	The Sco	1.8590	7100.0	132	37361	No
25	GOM_TRA_1PNPDE20090423_031036_000000582078_00233_37361_5731.N1	23-APR-2009 03:10:36	Straylight	58.000	25	35Lam Sco	1.6200	28000.	116	37361	No
26	GOM_TRA_1PNPDE20090423_031411_000000652078_00233_37361_5732.N1	23-APR-2009 03:14:11	Straylight	64.500	75	26Eps Sco	2.2910	4250.0	129	37361	No
27	GOM_TRA_1PNPDE20090423_031934_000000282078_00233_37361_5733.N1	23-APR-2009 03:19:34	Twilight	28.000	158	6Pi Sco	2.9060	28000.	56	37361	No
28	GOM_TRA_1PNPDE20090423_032440_000000522078_00233_37361_5734.N1	23-APR-2009 03:24:40	Bright	51.500	122	9Alp2Lib	2.7470	9700.0	103	37361	No
29	GOM_TRA_1PNPDE20090423_033603_000000422078_00233_37361_5735.N1	23-APR-2009 03:36:03	Bright	41.500	111	8Eta Boo	2.6800	6000.0	83	37361	No
30	GOM_TRA_1PNPDE20090423_034030_000000522078_00233_37361_5736.N1	23-APR-2009 03:40:30	Bright	51.500	83		2.3780	11000.	103	37361	No
31	GOM_TRA_1PNPDE20090423_034320_000000672078_00233_37361_5737.N1	23-APR-2009 03:43:20	Bright	67.000	180	27Gam Boo	3.0400	8000.0	134	37361	No
32	GOM_TRA_1PNPDE20090423_035305_000000452078_00233_37361_5738.N1	23-APR-2009 03:53:05	Bright	44.500	119	14Eta Dra	2.7270	4700.0	89	37361	No
33	GOM_TRA_1PNPDE20090423_040239_000000412078_00233_37361_5883.N1	23-APR-2009 04:02:39	Bright	40.500	89	5Alp Cep	2.4510	8000.0	81	37361	No
34	GOM_TRA_1PNPDE20090423_040756_000000562078_00233_37361_5884.N1	23-APR-2009 04:07:56	Bright	56.000	19	50Alp Cyg	1.2460	10500.	112	37361	No
35	GOM_TRA_1PNPDE20090423_042056_000000572078_00233_37361_5885.N1	23-APR-2009 04:20:56	Dark	56.500	61	8Eps Peg	2.1000	3900.0	113	37361	No
36	GOM_TRA_1PNPDE20090423_042324_000000482078_00233_37361_5886.N1	23-APR-2009 04:23:24	Dark	48.000	162	34Alp Aqr	2.9440	5350.0	96	37361	No
37	GOM_TRA_1PNPDE20090423_042628_000000512078_00233_37361_5887.N1	23-APR-2009 04:26:28	Dark	51.000	154	22Bet Aqr	2.8990	5700.0	102	37361	No
38	GOM_TRA_1PNPDE20090423_044941_000000562078_00234_37362_5888.N1	23-APR-2009 04:49:41	Straylight	56.000	40	The Sco	1.8590	7100.0	112	37362	No
39	GOM_TRA_1PNPDE20090423_045114_000000632078_00234_37362_5889.N1	23-APR-2009 04:51:14	Straylight	62.500	25	35Lam Sco	1.6200	28000.	125	37362	No
40	GOM_TRA_1PNPDE20090423_045448_000000662078_00234_37362_5890.N1	23-APR-2009 04:54:48	Straylight	65.500	75	26Eps Sco	2.2910	4250.0	131	37362	No
41	GOM_TRA_1PNPDE20090423_050011_000000322078_00234_37362_5891.N1	23-APR-2009 05:00:11	Twilight	32.000	158	6Pi Sco	2.9060	28000.	64	37362	No
42	GOM_TRA_1PNPDE20090423_050517_000000512078_00234_37362_5892.N1	23-APR-2009 05:05:17	Bright	50.500	122	9Alp2Lib	2.7470	9700.0	101	37362	No
43	GOM_TRA_1PNPDE20090423_051638_000000432078_00234_37362_5893.N1	23-APR-2009 05:16:38	Bright	42.500	111	8Eta Boo	2.6800	6000.0	85	37362	No
44	GOM_TRA_1PNPDE20090423_052105_000000532078_00234_37362_5894.N1	23-APR-2009 05:21:05	Bright	52.500	83		2.3780	11000.	105	37362	No
45	GOM_TRA_1PNPDE20090423_052356_000000452078_00234_37362_5895.N1	23-APR-2009 05:23:56	Bright	44.500	180	27Gam Boo	3.0400	8000.0	89	37362	No
46	GOM_TRA_1PNPDE20090423_053340_000000432078_00234_37362_5896.N1	23-APR-2009 05:33:40	Bright	42.500	119	14Eta Dra	2.7270	4700.0	85	37362	No
47	GOM_TRA_1PNPDE20090423_054315_000000422078_00234_37362_6083.N1	23-APR-2009 05:43:15	Bright	41.500	89	5Alp Cep	2.4510	8000.0	83	37362	No
48	GOM_TRA_1PNPDE20090423_054831_000000492078_00234_37362_6084.N1	23-APR-2009 05:48:31	Bright	49.000	19	50Alp Cyg	1.2460	10500.	98	37362	No
49	GOM_TRA_1PNPDE20090423_060133_000000482078_00234_37362_6085.N1	23-APR-2009 06:01:33	Dark	47.500	61	8Eps Peg	2.1000	3900.0	95	37362	No

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



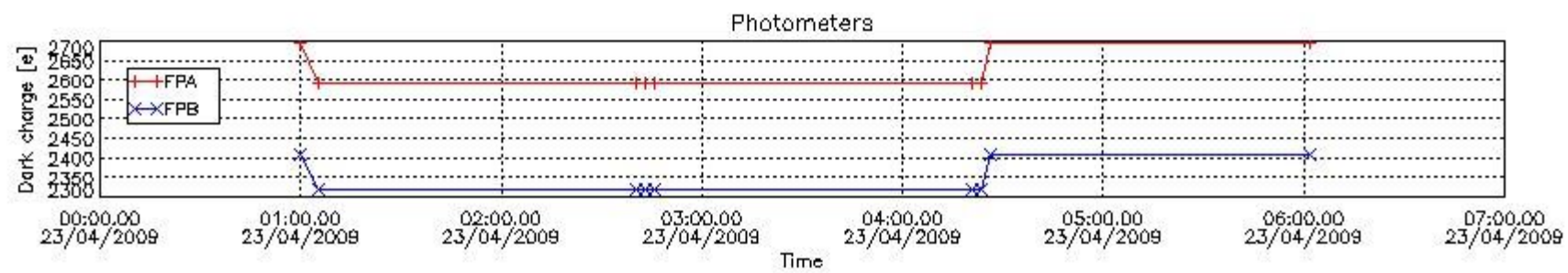
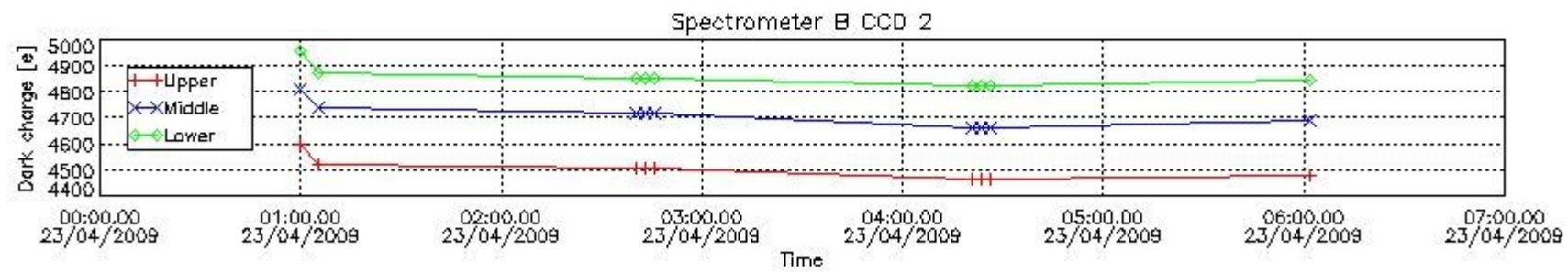
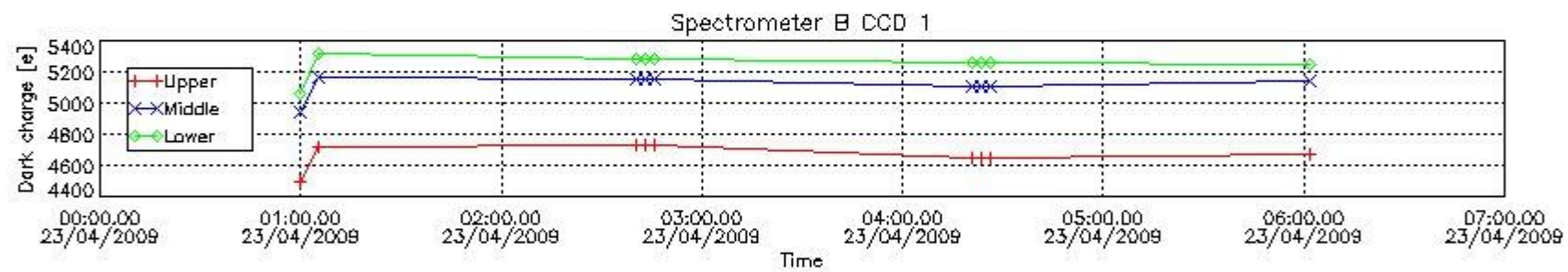
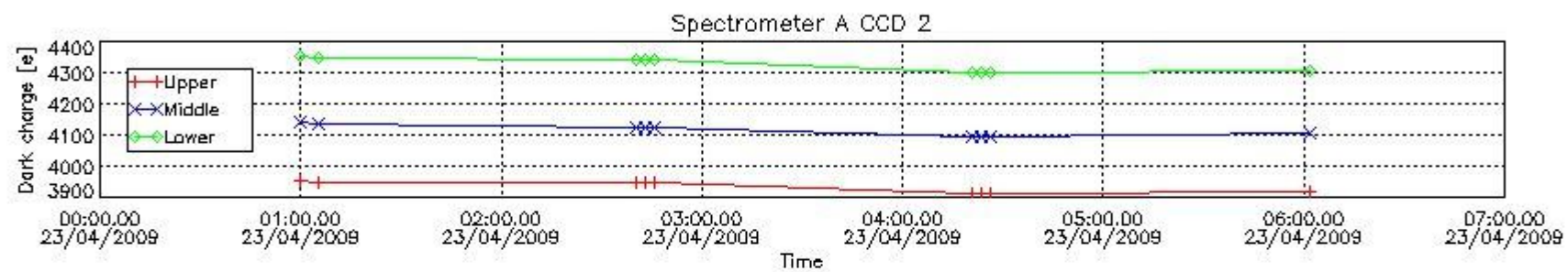
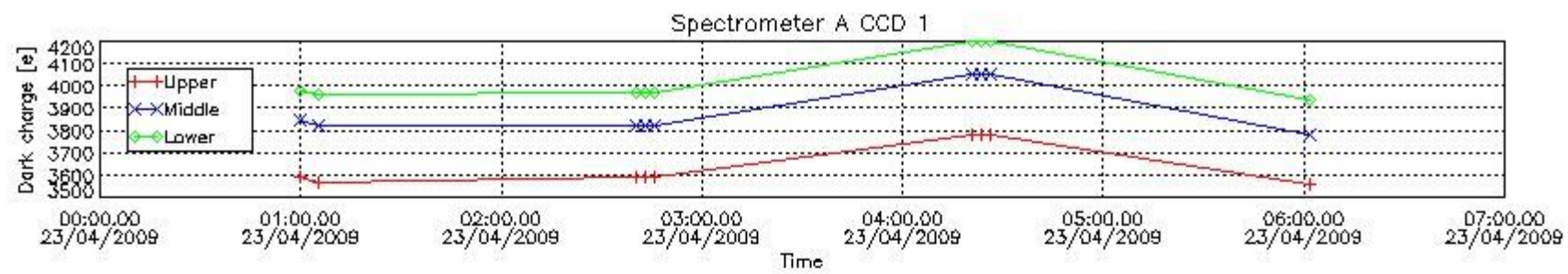
4. Overview of dark signal processing per product

The Dark Charge (DC) is a temperature-dependant signal added to the useful measurements and it is therefore subtracted from them during the processing. There are two phenomena that produce a continuous increase of the DC: the "hot pixels" (a pixel is "hot" when its DC exceeds by a significant amount its value measured on ground at the same temperature) and the "Random Telegraphic Signal" (abrupt change positive or negative of the CCD pixel signal, random in time, affecting only the DC part of the signal and not the photon generated signal).

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

4.1 All products used the DSA observation for the DC computation

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



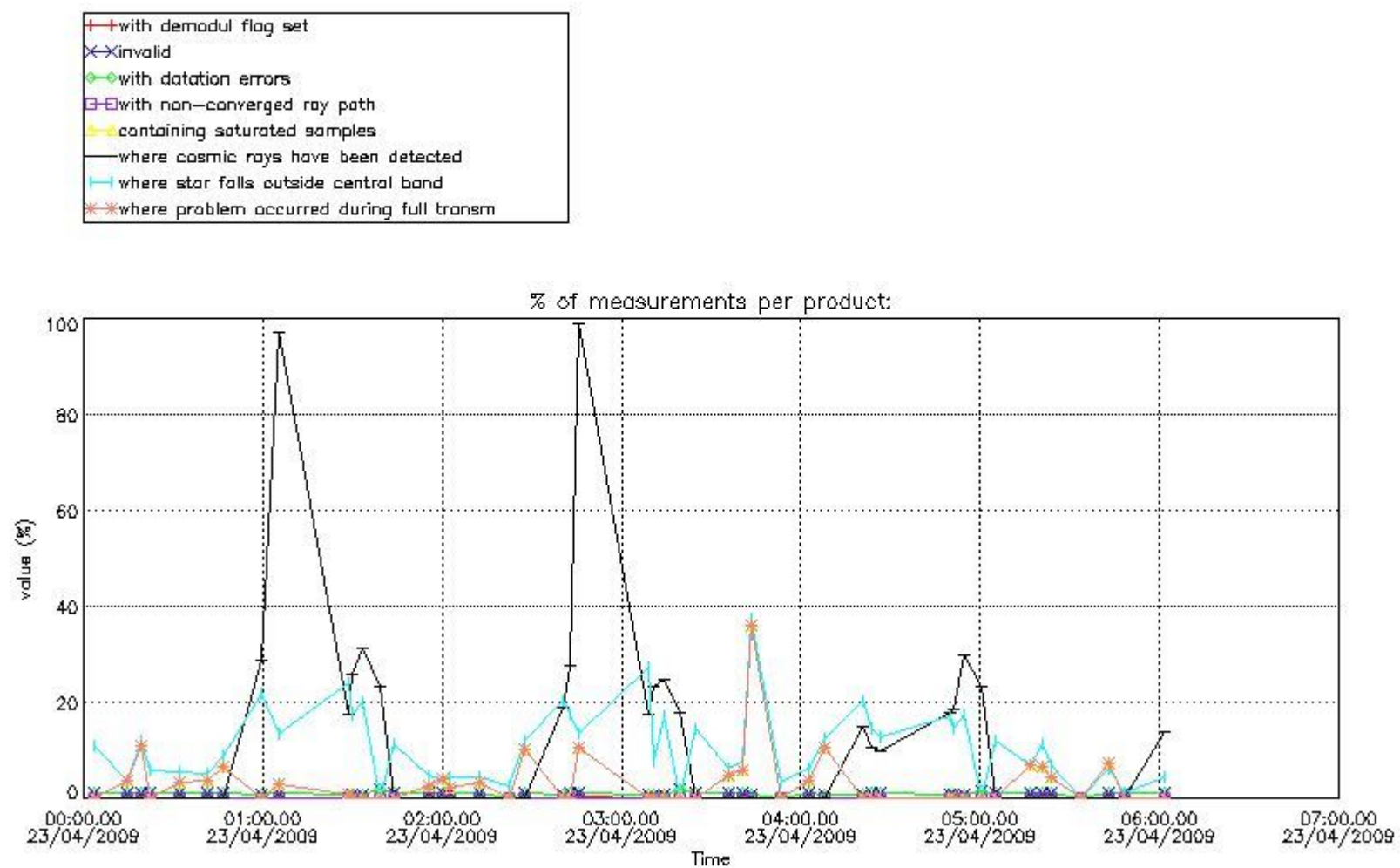
5. Demodulation flag and quality information monitoring

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

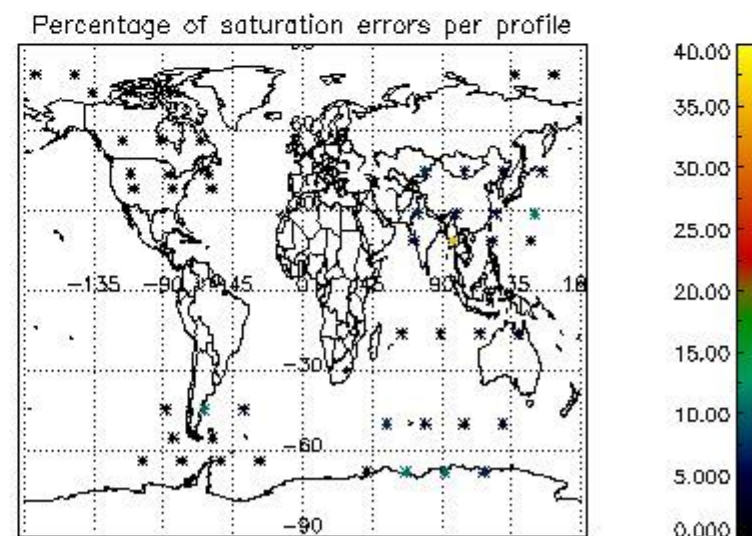
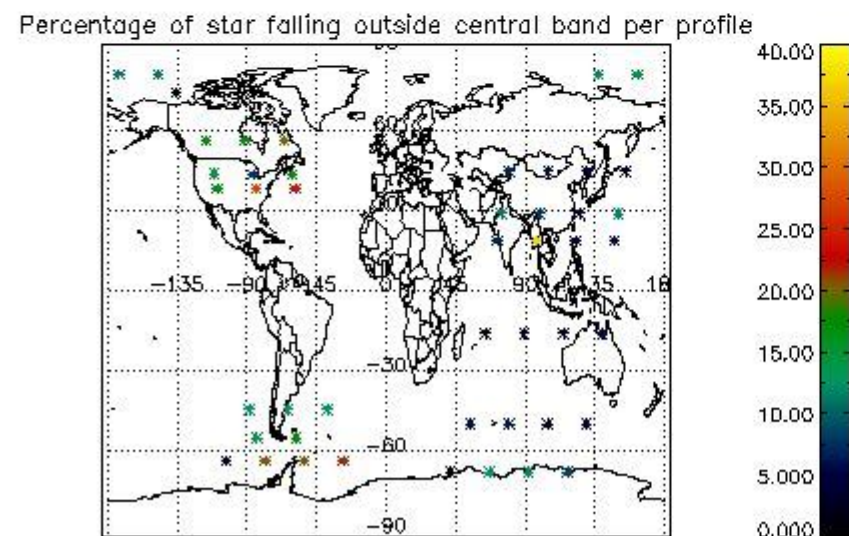
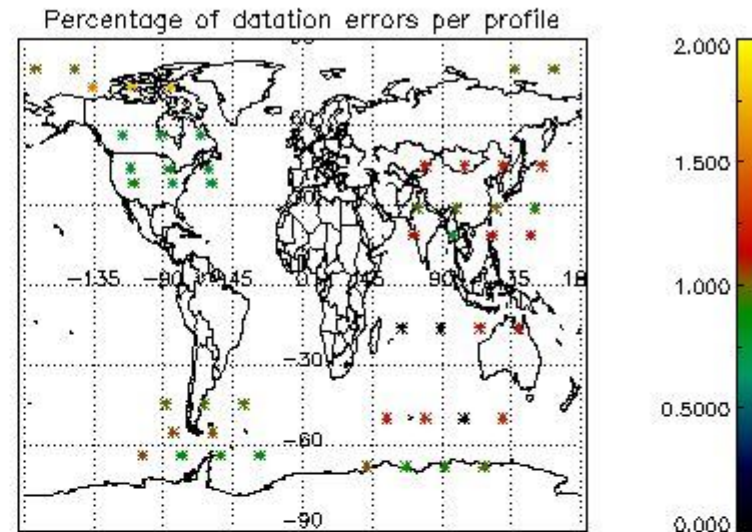
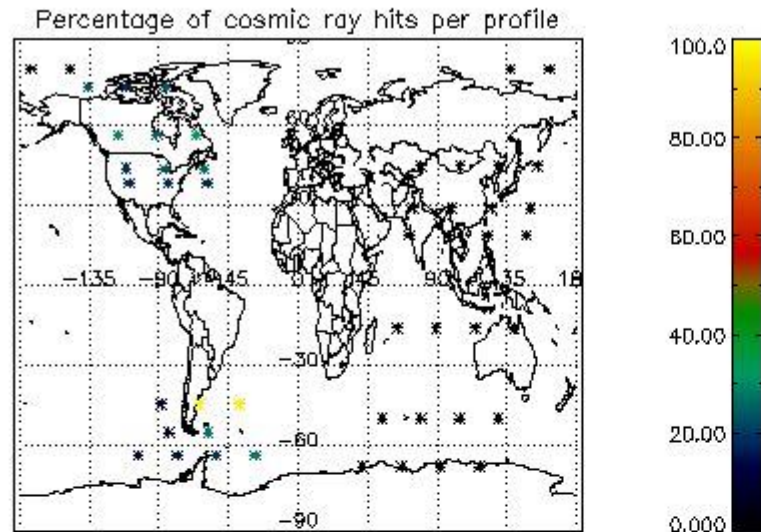
5.1 Percentage of products during reporting period with:

At least one measurement with demodulation flag set:	28.5714 %
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)



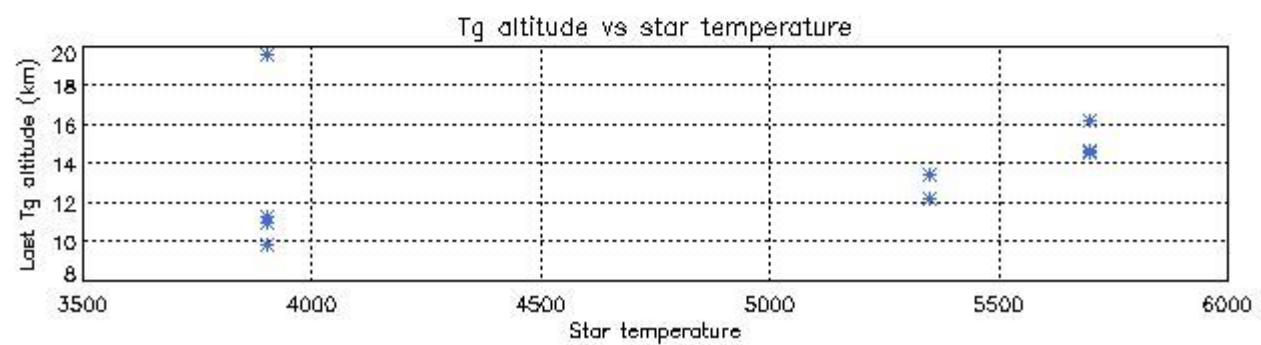
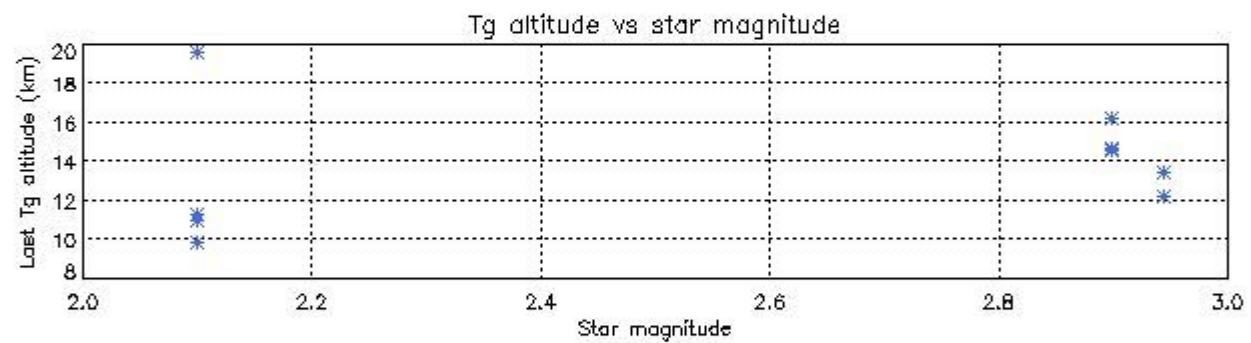
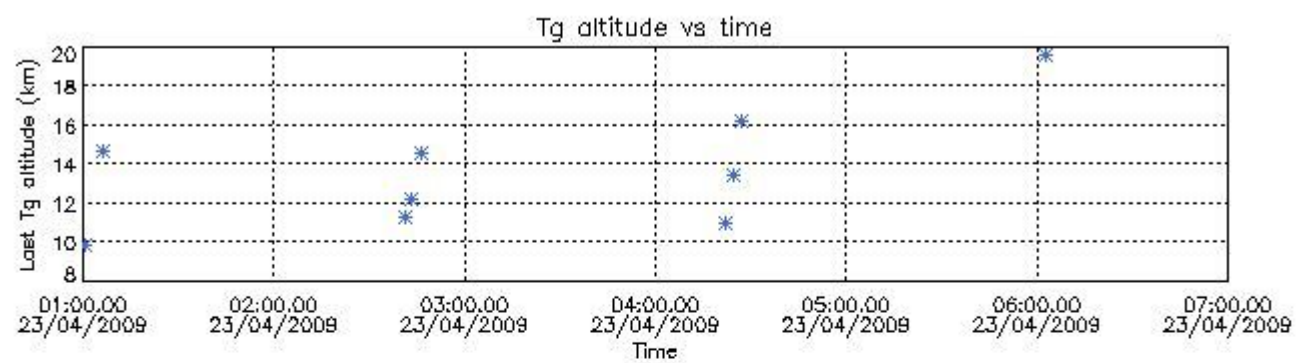
6. Statistics and plot of tangent altitude of the last measurement (DARK & BRIGHT products without errors)

6.1 Statistics on tangent altitude lost:

Statistics	DARK	BRIGHT	TWILIGHT
Mean:	13.651	19.770	NaN
St. deviation:	3.0204	4.6728	NaN
Maximum:	19.615	27.278	NaN
Minimum:	9.8959	2.9390	NaN
Number of data:	9.0000	28.000	NaN

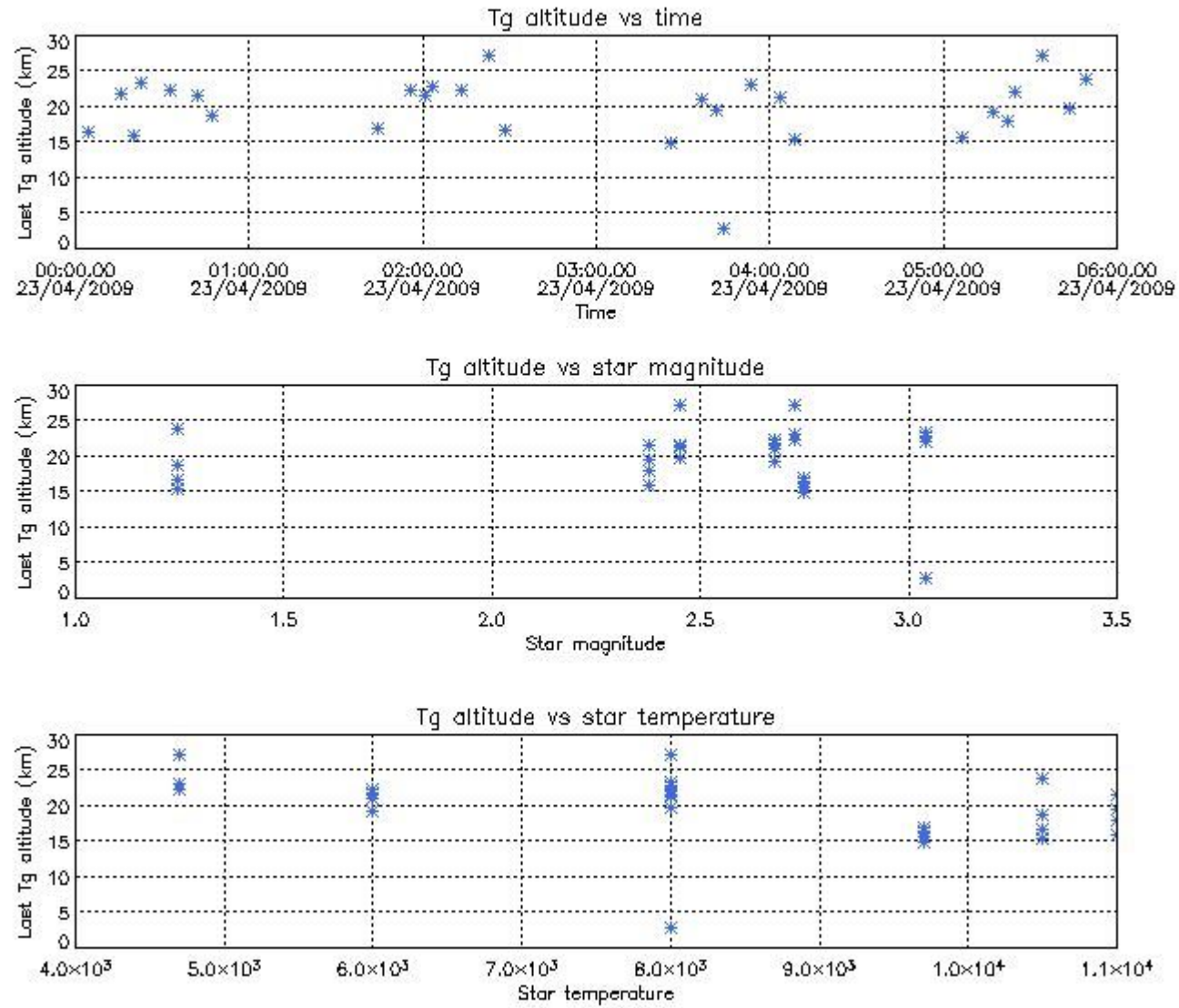
6.2 Plot for DARK limb products

Tangent altitude at which the star is lost



6.3 Plot for BRIGHT limb products

Tangent altitude at which the star is lost

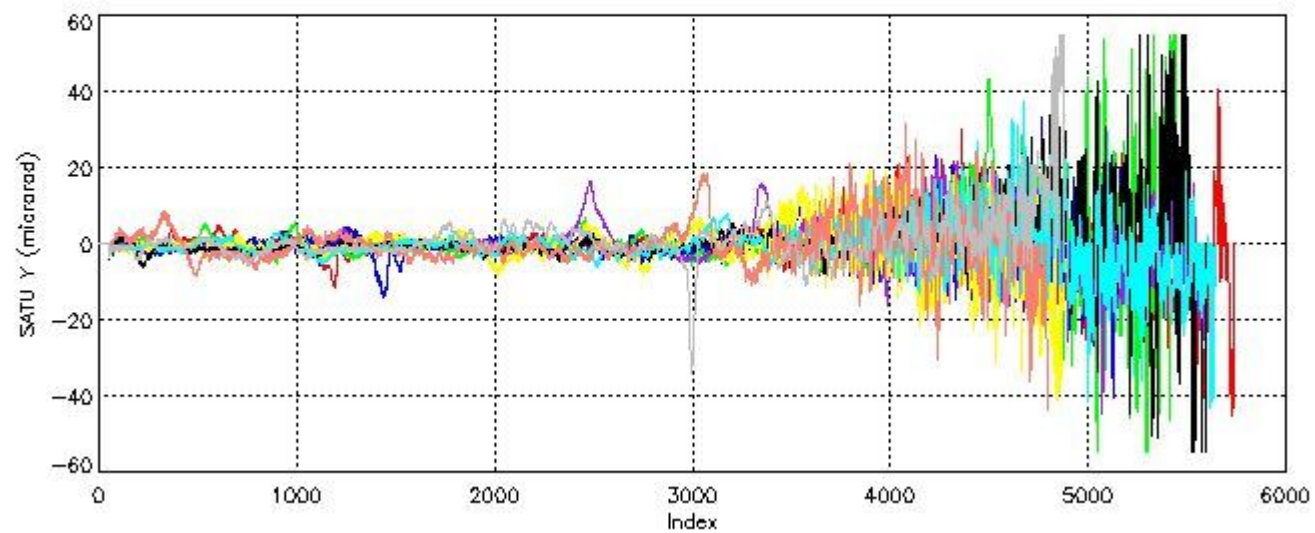
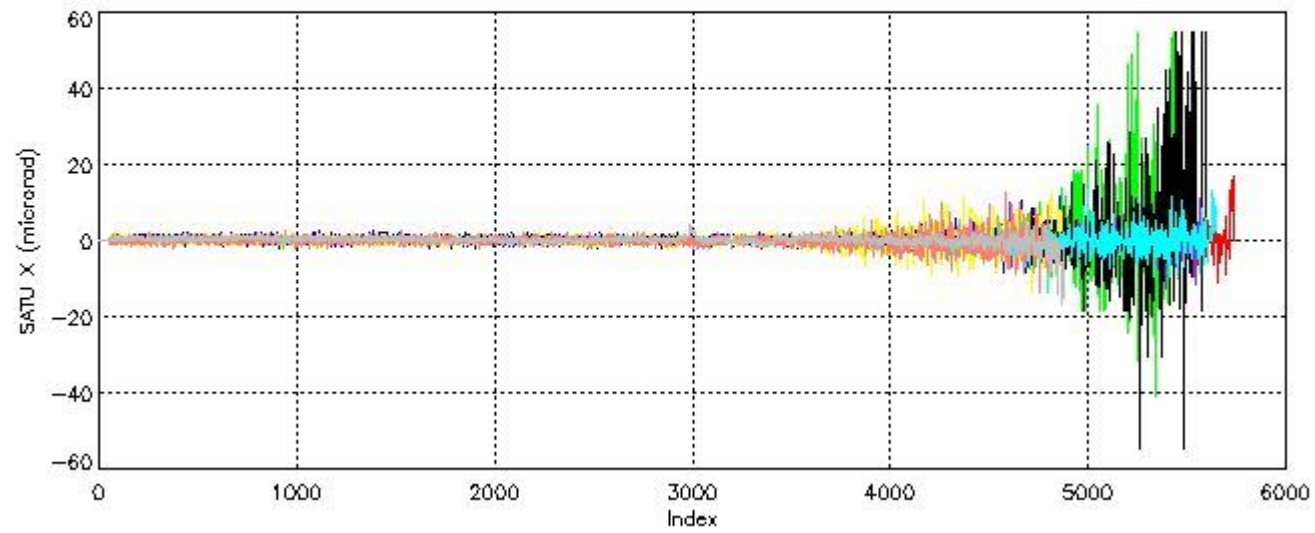


7. Star Acquisition and Tracking Unit (SATU)

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:	0.22438	-0.66327	0.36502	-0.93799
St. deviation:	0.51167	1.4032	0.86468	1.5668
Maximum:	2.8000	8.4000	6.9000	8.2000
Minimum:	-2.1000	-8.6000	-5.4000	-12.200

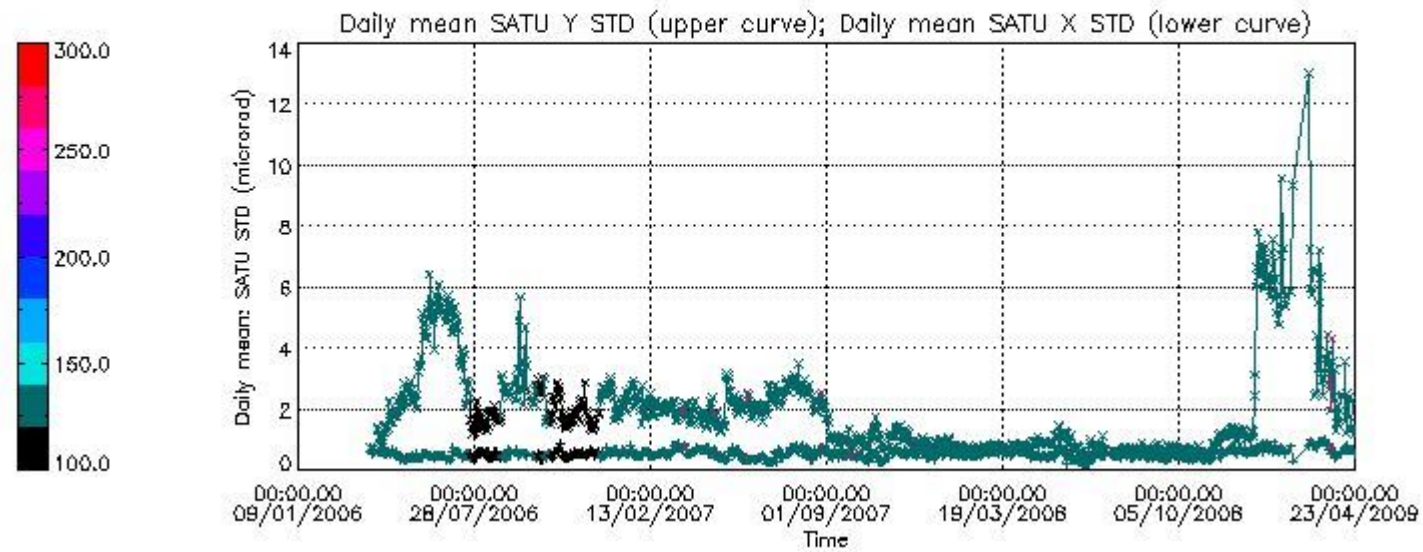
Number of data:	9900.0	9900.0	30050.	30050.
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7.2.2 Trend of daily SATU NEA St. deviation since 1st April 2006 (dark limb)

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.

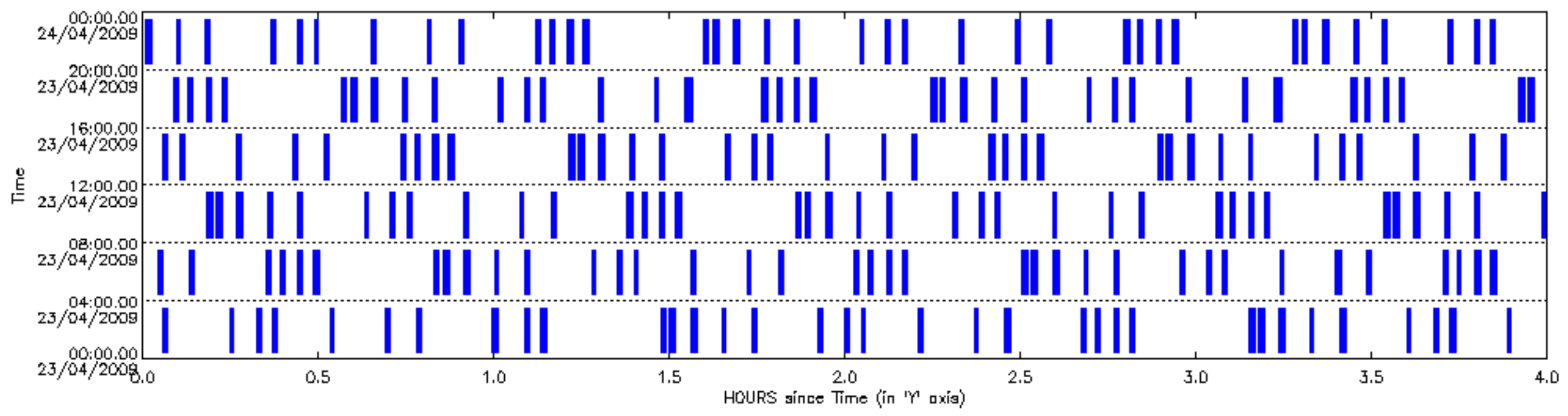
Upper curve: STD of SATU Y axis
Lower curve: STD of SATU X axis

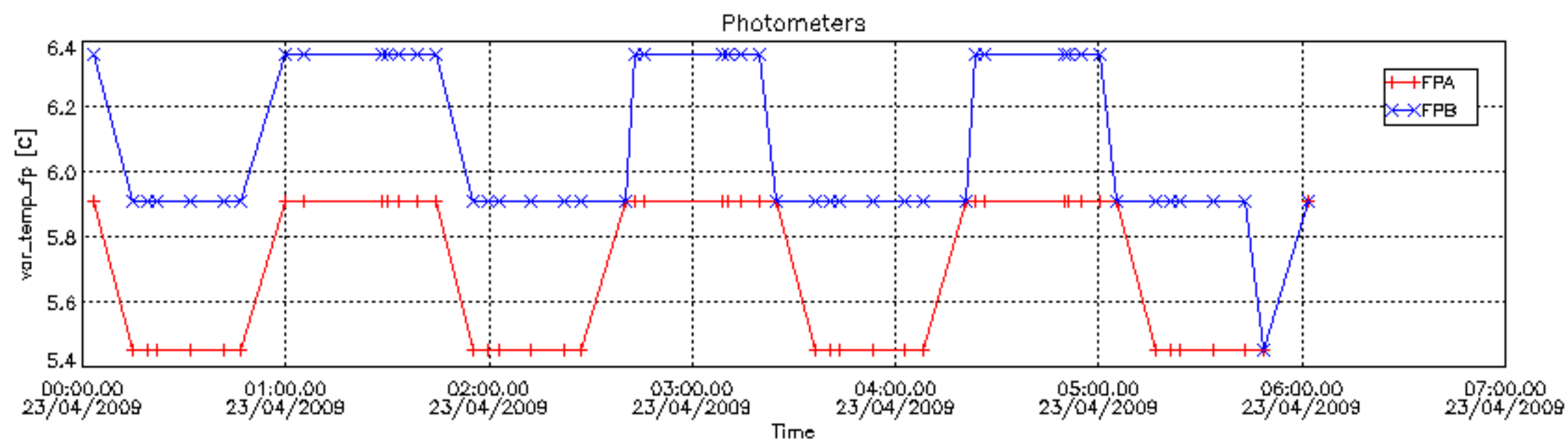
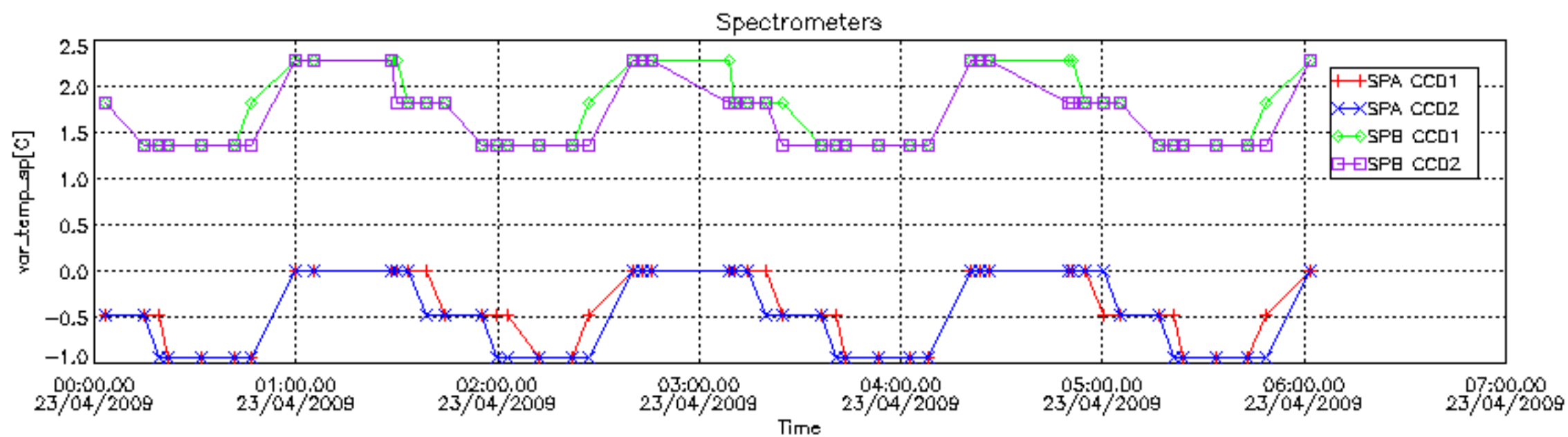


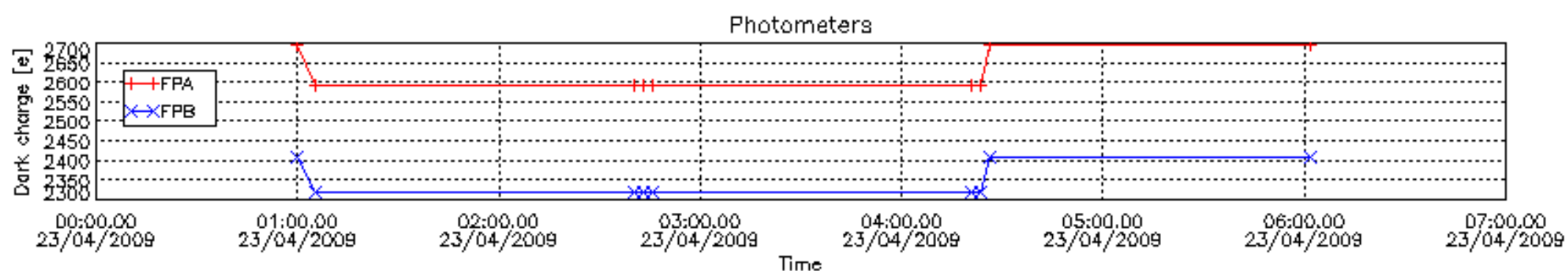
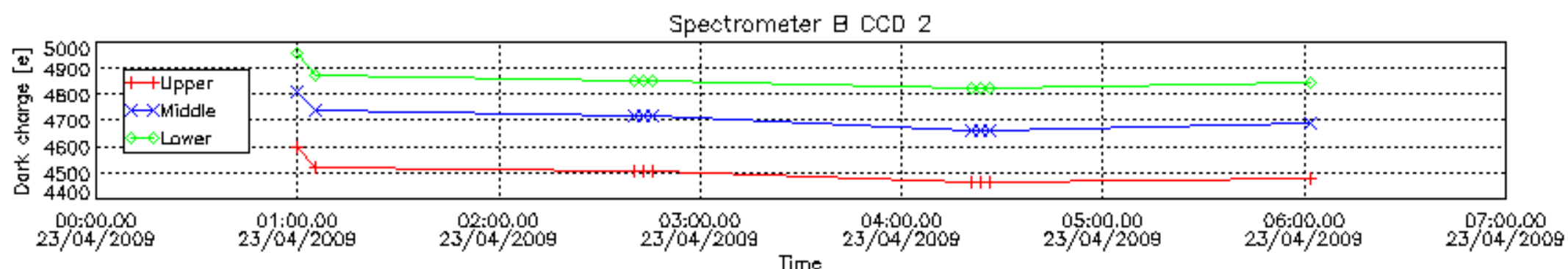
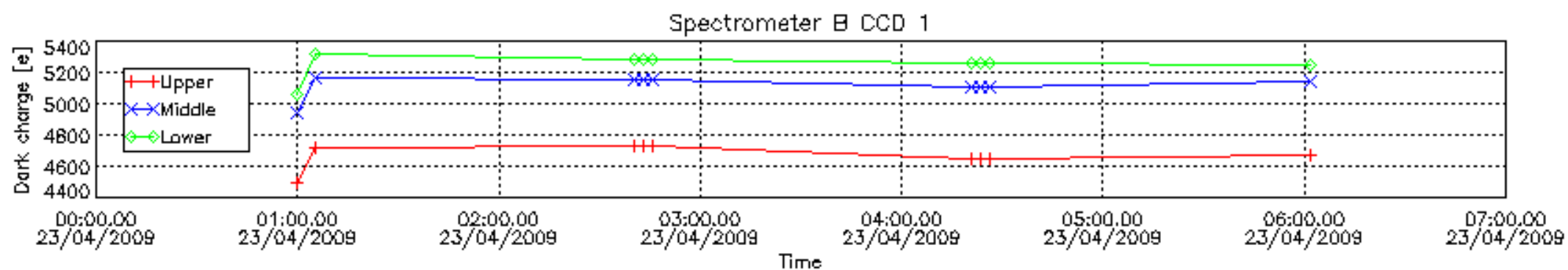
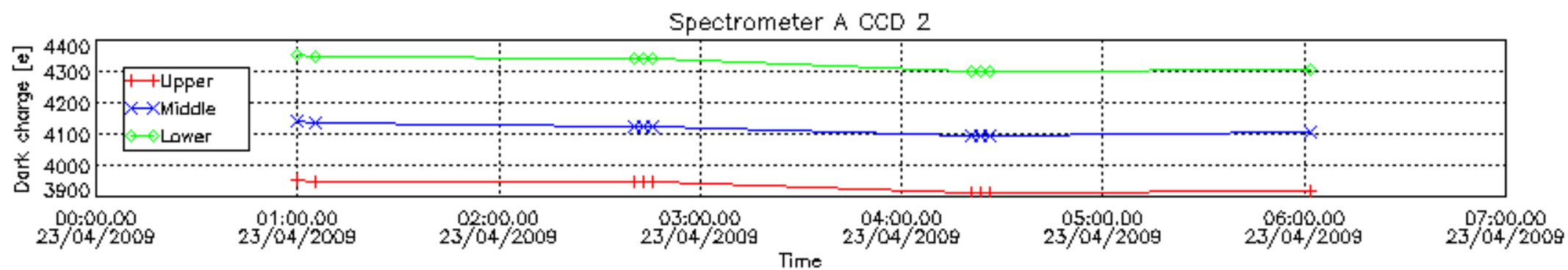
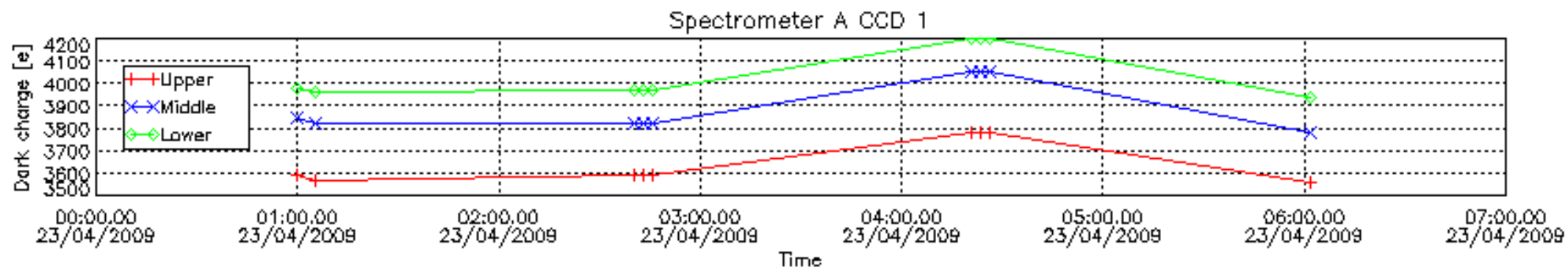
8. Auxiliary Data Files used for the production reported in section 2.4

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.

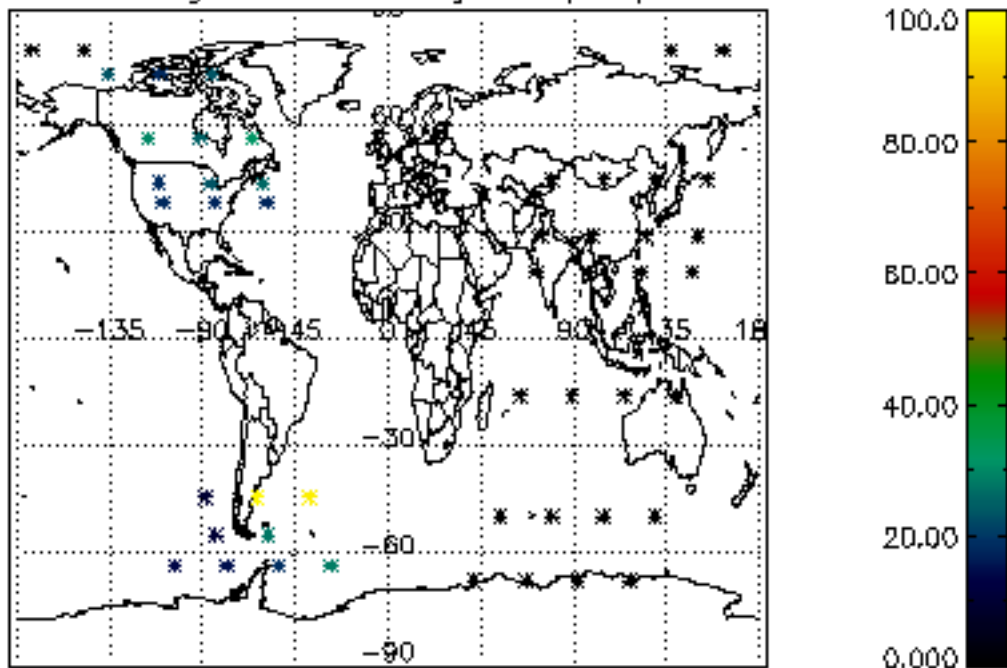
Type	Auxiliary Filename	Used since product	Used since product date
INST_PHYS_CHARACTERISTICS	GOM_INS_AXNIEC20050627_150713_20030716_120000_20100101_000000	1	23-APR-2009 00:03:28
CALIBRATION_DATABASE	GOM_CAL_AXVIEC20090422_132334_20090420_000000_20100101_000000	1	23-APR-2009 00:03:28
LEVEL-1B_PROC_CONFIG	GOM_PR1_AXNIEC20050627_151042_20020301_000000_20100101_000000	1	23-APR-2009 00:03:28
STAR_CATALOGUE	GOM_CAT_AXVIEC20020121_161009_20020101_000000_20200101_000000	1	23-APR-2009 00:03:28
STELLAR_SPECTRA_DATABANK	GOM_STS_AXNIEC20040308_103538_20020101_160000_20100101_000000	1	23-APR-2009 00:03:28
ECMWF_FILE	AUX_ECF_AXNECM20090422_064114_20090422_210000_20090423_090000	1	23-APR-2009 00:03:28
ECMWF_FILE	AUX_ECF_AXNECM20090422_182112_20090423_030000_20090423_150000	33	23-APR-2009 04:02:39
OPTIONAL_ECMWF_FILE	MISSING	1	23-APR-2009 00:03:28
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20090422_213808_000060572078_00229_37357_7804.N1	1	23-APR-2009 00:03:28
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20090422_232424_000057382078_00230_37358_7805.N1	9	23-APR-2009 01:05:15
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20090423_010003_000047822078_00231_37359_7806.N1	20	23-APR-2009 02:27:20
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20090423_021944_000054192078_00232_37360_7807.N1	33	23-APR-2009 04:02:39
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20090423_035523_000057382078_00233_37361_7808.N1	47	23-APR-2009 05:43:15



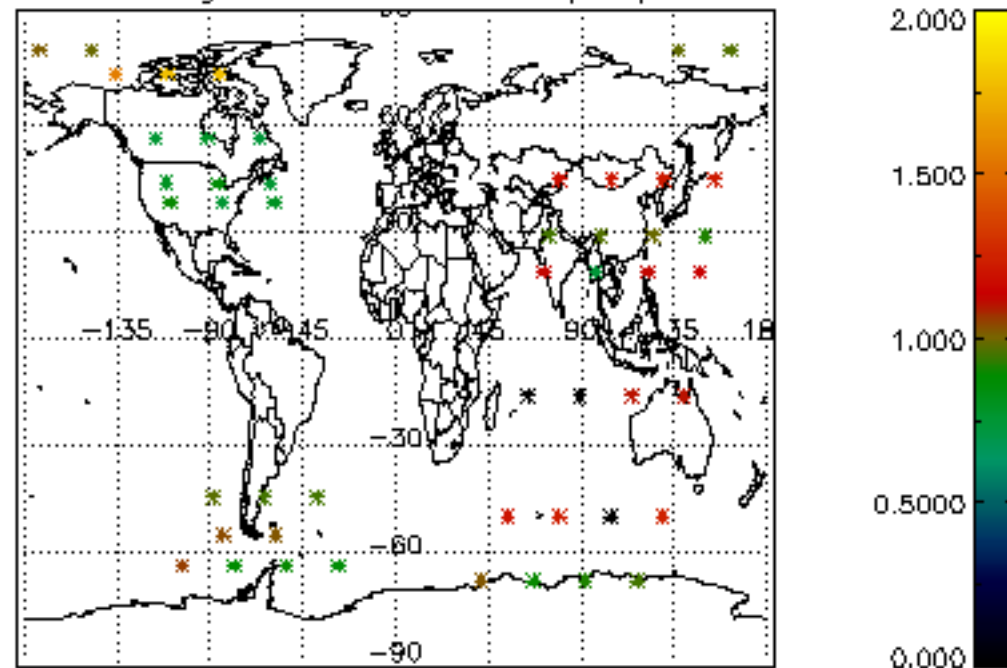




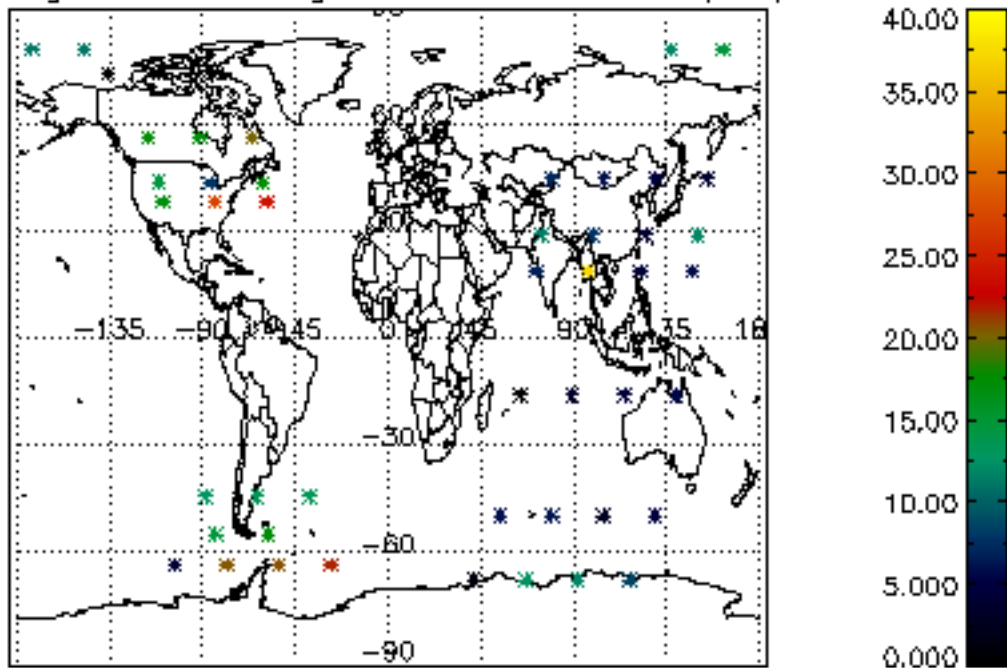
Percentage of cosmic ray hits per profile



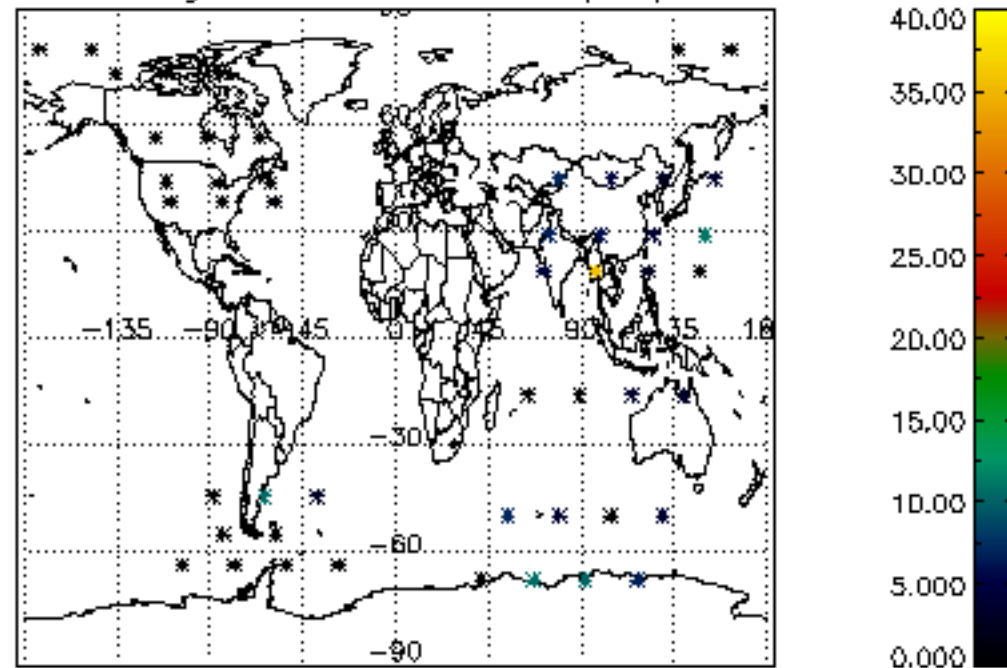
Percentage of datation errors per profile



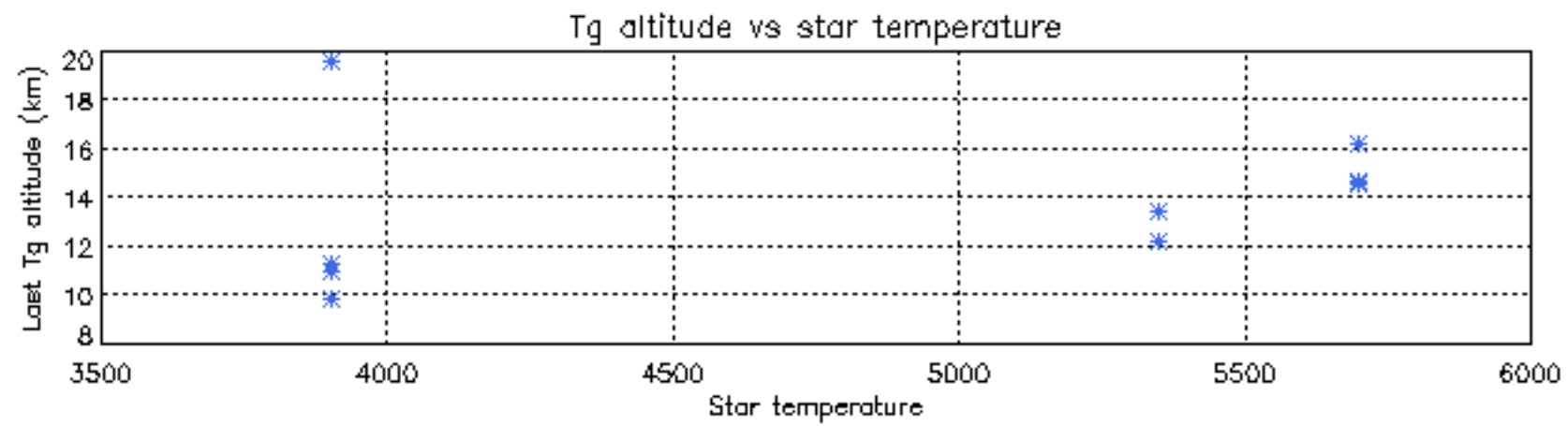
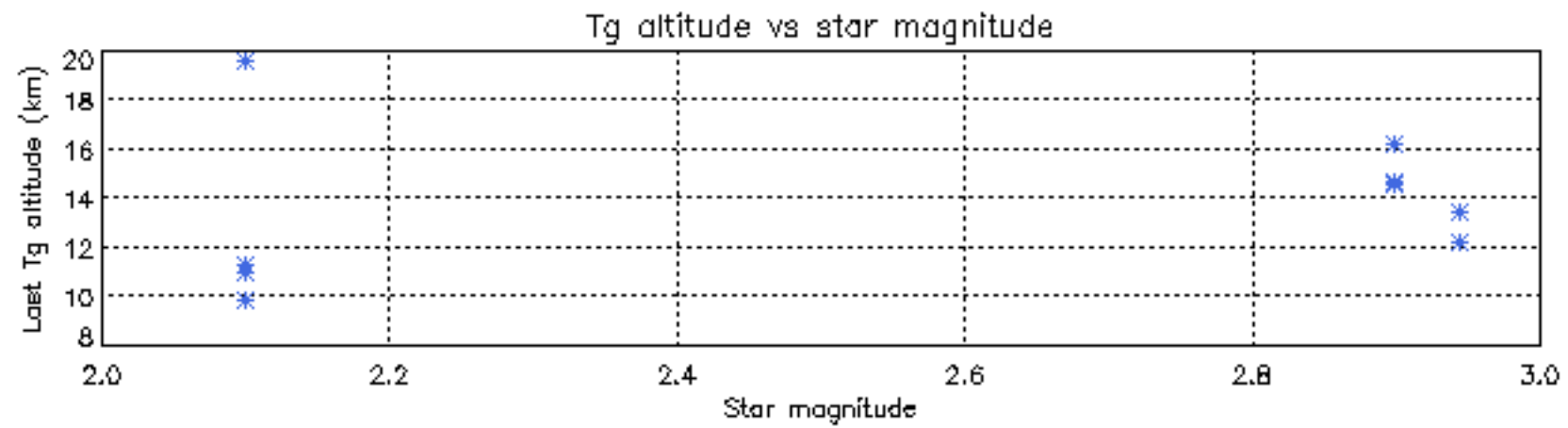
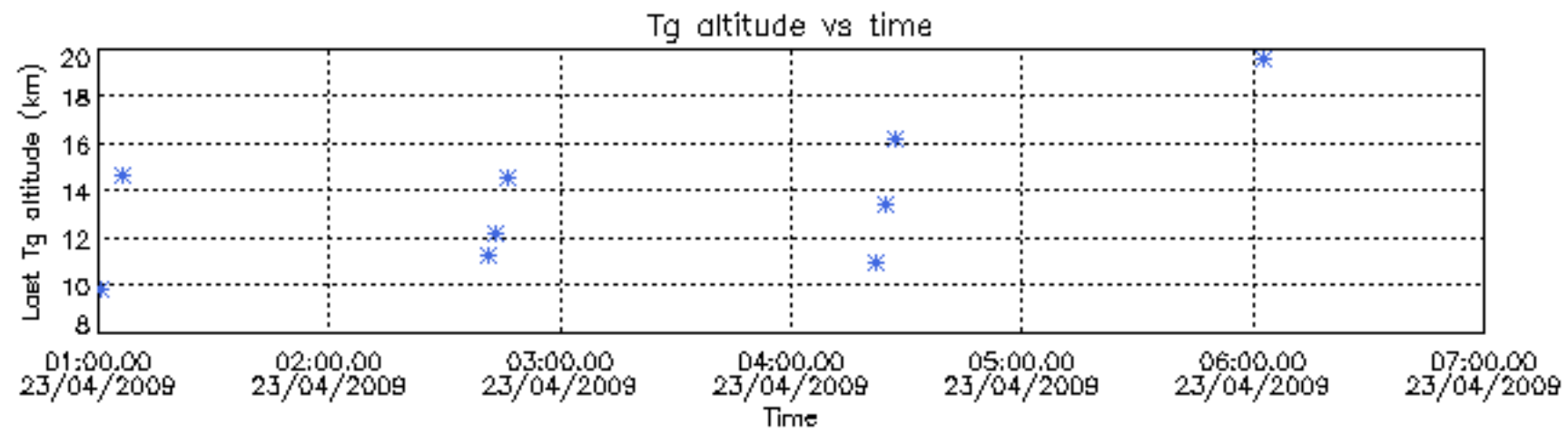
Percentage of star falling outside central band per profile



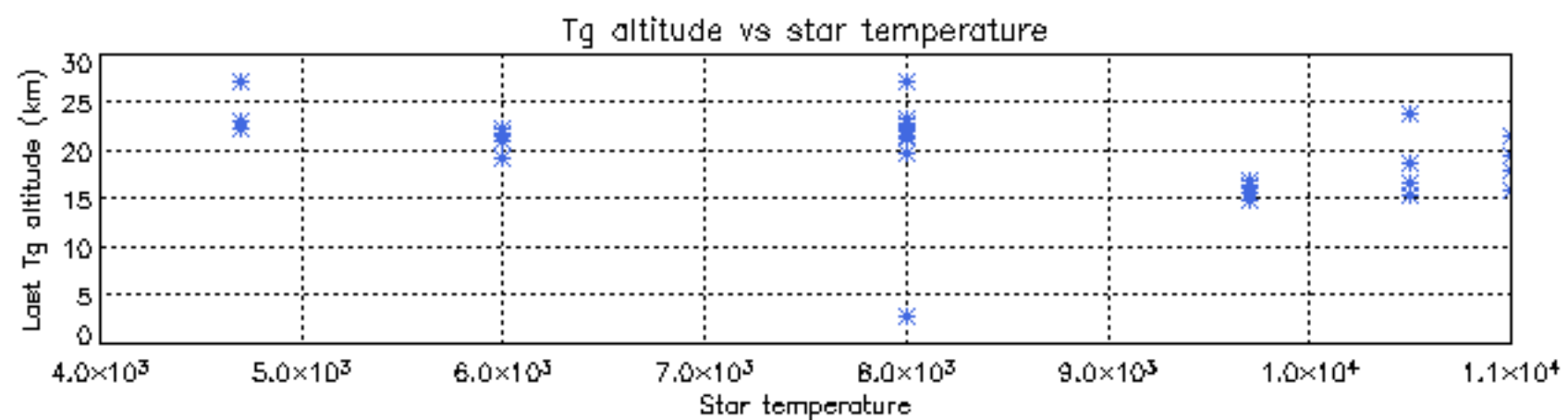
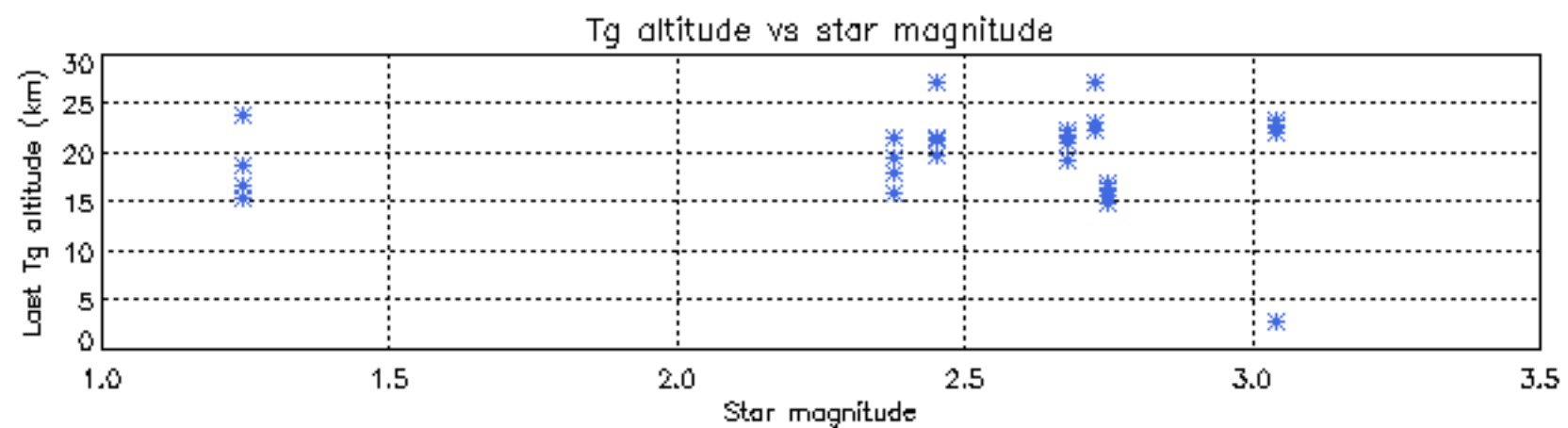
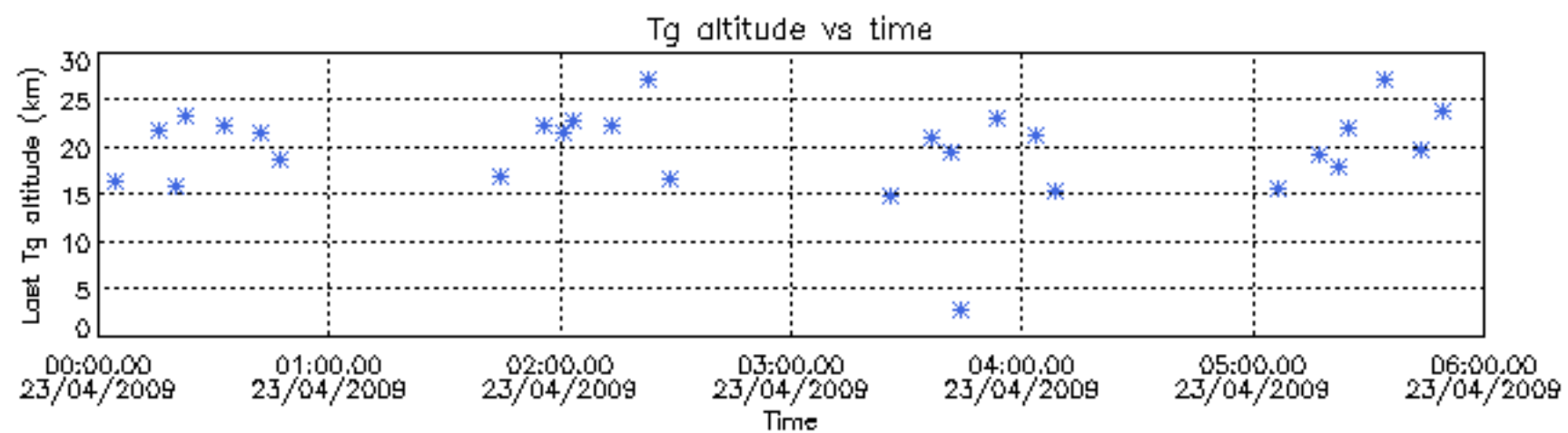
Percentage of saturation errors per profile

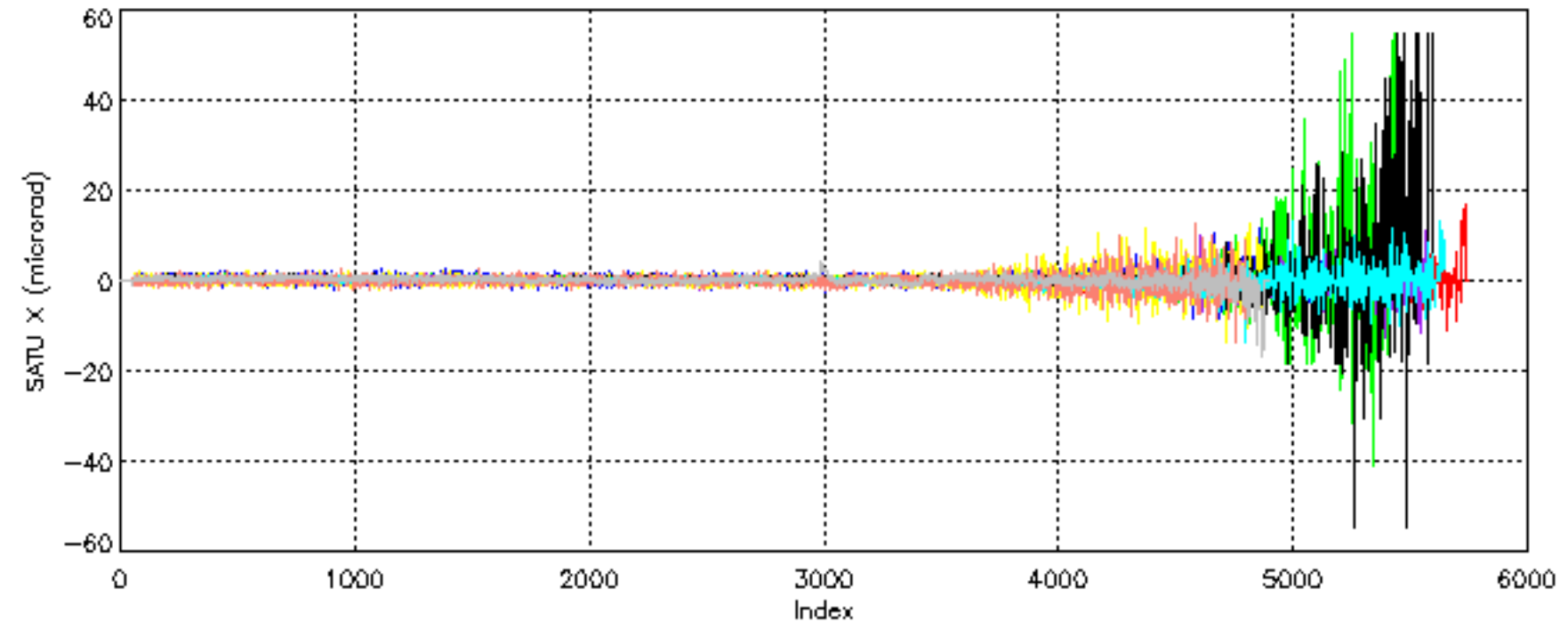


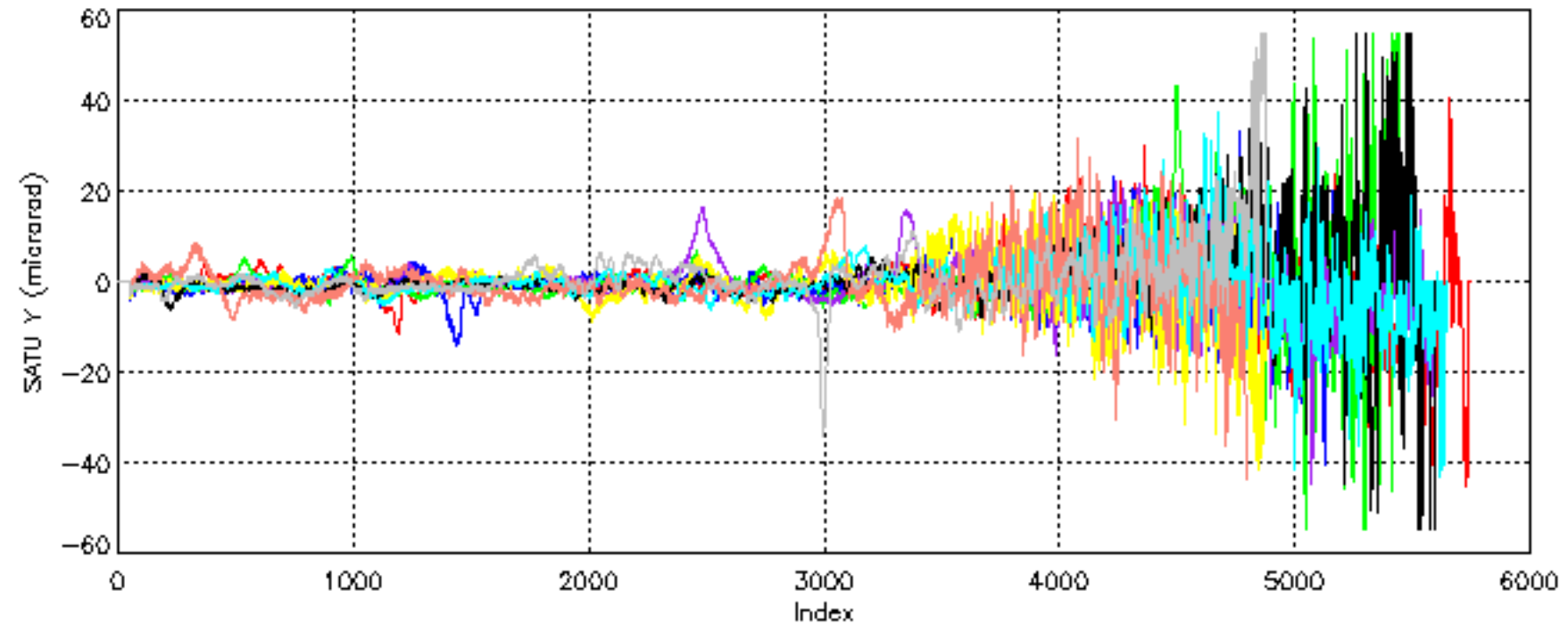
Tangent altitude at which the star is lost

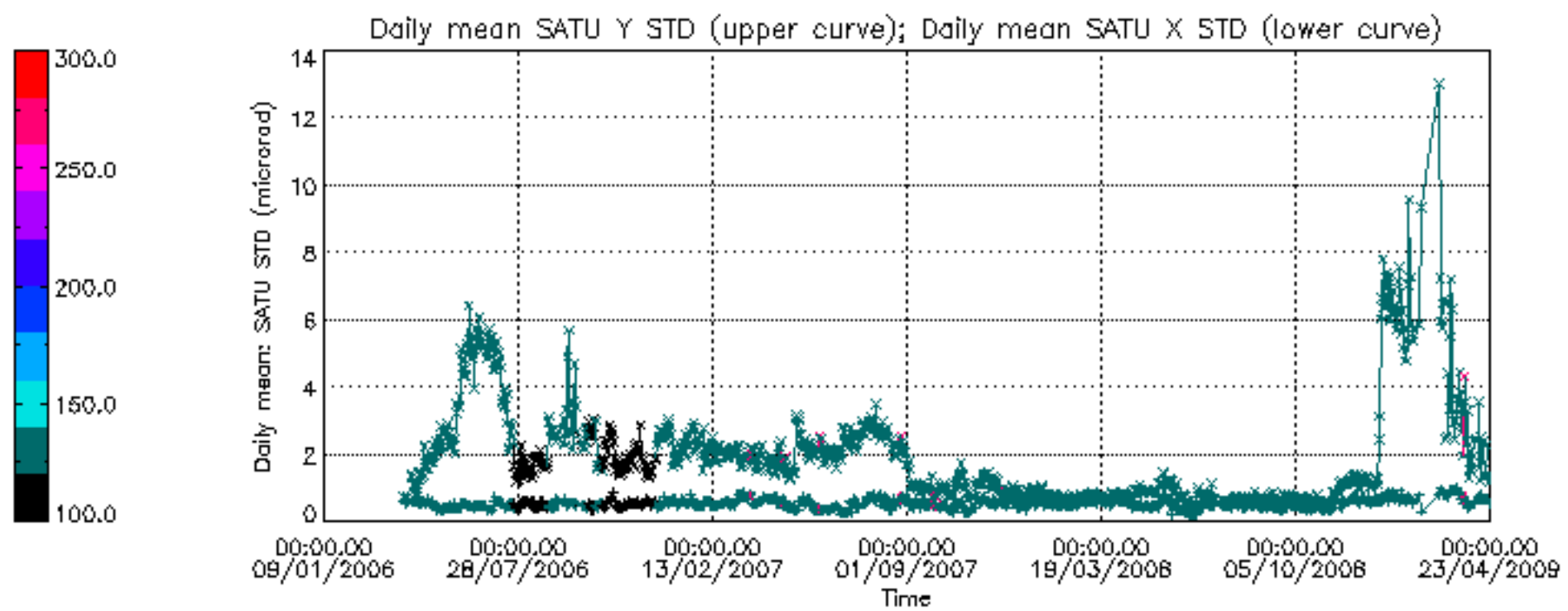


Tangent altitude at which the star is lost









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1; 1432.9; 01-APR-2009 19:59:36; Dark ; 51.5; 169; 46Gam Hya ; 2.99; 4700;occ; 103; 0;37056
2; 1688.1; 01-APR-2009 20:03:51; Dark ; 67.0; 15; 67Alp Vir ; 0.98; 28000;occ; 134; 0;37056
3; 1882.0; 01-APR-2009 20:07:05; Bright; 43.0; 121; 29Gam Vir ; 2.74; 7200;occ; 86; 0;37056
4; 2156.2; 01-APR-2009 20:11:39; Bright; 48.0; 138; 47Eps Vir ; 2.83; 4700;occ; 96; 0;37056
5; 2671.2; 01-APR-2009 20:20:14; Bright; 45.0; 152; 12Alp2CVn ; 2.89; 11000;occ; 90; 0;37056
6; 2954.1; 01-APR-2009 20:24:57; Bright; 43.5; 32; 77Eps UMa ; 1.76; 11000;occ; 87; 0;37056
7; 3501.5; 01-APR-2009 20:34:04; Bright; 44.0; 119; 14Eta Dra ; 2.73; 4700;occ; 88; 0;37056
8; 4197.6; 01-APR-2009 20:45:40; Bright; 44.0; 144; 18Del Cyg ; 2.86; 11000;occ; 88; 0;37056
9; 4313.1; 01-APR-2009 20:47:36; Bright; 44.0; 66; 37Gam Cyg ; 2.21; 5900;occ; 88; 0;37056
10; 4435.9; 01-APR-2009 20:49:39; Bright; 43.0; 92; 53Eps Cyg ; 2.50; 4500;occ; 86; 0;37056
11; 5051.5; 01-APR-2009 20:59:54; Dark ; 23.0; 11; 53Alp Aql ; 0.76; 8000;occ; 46; 0;37056

/nas3/ENVISAT/GOMOS/GOM_NL__0P/GOM_NL__0PNPDE20090401_205954_000063352077_00429_37056_7519.N1

1; -984.4; 01-APR-2009 20:59:54; Dark ; 72.0; 11; 53Alp Aql ; 0.76; 8000;occ; 144; 0;37056
2; -745.7; 01-APR-2009 21:03:53; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;37056
3; -259.8; 01-APR-2009 21:11:59; Dark ; 57.0; 155; 41Pi Sgr ; 2.90; 6600;occ; 114; 0;37056
4; -127.9; 01-APR-2009 21:14:11; Dark ; 57.0; 57; 34Sig Sgr ; 2.07; 26000;occ; 114; 0;37056
5; 81.9; 01-APR-2009 21:17:40; Dark ; 70.0; 116; 19Del Sgr ; 2.70; 4100;occ; 140; 0;37057
6; 339.0; 01-APR-2009 21:21:58; Dark ; 56.5; 25; 35Lam Sco ; 1.62; 28000;occ; 113; 0;37057
7; 798.8; 01-APR-2009 21:29:37; Dark ; 49.0; 131; Gam Lup ; 2.80; 26000;occ; 98; 0;37057
8; 944.6; 01-APR-2009 21:32:03; Dark ; 45.0; 81; Eta Cen ; 2.36; 28000;occ; 90; 0;37057
9; 1107.1; 01-APR-2009 21:34:46; Dark ; 51.5; 54; 5The Cen ; 2.06; 4500;occ; 103; 0;37057
10; 1433.1; 01-APR-2009 21:40:12; Dark ; 48.5; 169; 46Gam Hya ; 2.99; 4700;occ; 97; 0;37057
11; 1688.1; 01-APR-2009 21:44:27; Dark ; 66.0; 15; 67Alp Vir ; 0.98; 28000;occ; 132; 0;37057
12; 1881.8; 01-APR-2009 21:47:40; Bright; 44.0; 121; 29Gam Vir ; 2.74; 7200;occ; 88; 0;37057
13; 2155.9; 01-APR-2009 21:52:14; Bright; 47.5; 138; 47Eps Vir ; 2.83; 4700;occ; 95; 0;37057
14; 2670.9; 01-APR-2009 22:00:49; Bright; 42.5; 152; 12Alp2CVn ; 2.89; 11000;occ; 85; 0;37057
15; 2953.6; 01-APR-2009 22:05:32; Bright; 41.0; 32; 77Eps UMa ; 1.76; 11000;occ; 82; 0;37057
16; 3500.7; 01-APR-2009 22:14:39; Bright; 62.5; 119; 14Eta Dra ; 2.73; 4700;occ; 125; 0;37057
17; 4197.4; 01-APR-2009 22:26:16; Bright; 68.0; 144; 18Del Cyg ; 2.86; 11000;occ; 136; 0;37057
18; 4312.9; 01-APR-2009 22:28:11; Bright; 44.5; 66; 37Gam Cyg ; 2.21; 5900;occ; 89; 0;37057
19; 4435.9; 01-APR-2009 22:30:14; Bright; 43.0; 92; 53Eps Cyg ; 2.50; 4500;occ; 86; 0;37057
20; 5052.5; 01-APR-2009 22:40:31; Dark ; 70.5; 11; 53Alp Aql ; 0.76; 8000;occ; 141; 0;37057
21; 5291.1; 01-APR-2009 22:44:30; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;37057

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2; -126.4; 01-APR-2009 22:54:48; Dark ; 54.5; 57; 34Sig Sgr ; 2.07; 26000;occ; 109; 0;37057
3; 83.4; 01-APR-2009 22:58:18; Dark ; 61.5; 116; 19Del Sgr ; 2.70; 4100;occ; 123; 0;37058
4; 340.5; 01-APR-2009 23:02:35; Dark ; 58.5; 25; 35Lam Sco ; 1.62; 28000;occ; 117; 0;37058
5; 799.7; 01-APR-2009 23:10:14; Dark ; 52.0; 131; Gam Lup ; 2.80; 26000;occ; 104; 0;37058
6; 945.1; 01-APR-2009 23:12:40; Dark ; 48.5; 81; Eta Cen ; 2.36; 28000;occ; 97; 0;37058
7; 1107.5; 01-APR-2009 23:15:22; Dark ; 51.5; 54; 5The Cen ; 2.06; 4500;occ; 103; 0;37058
8; 1433.4; 01-APR-2009 23:20:48; Dark ; 46.5; 169; 46Gam Hya ; 2.99; 4700;occ; 93; 0;37058
9; 1688.2; 01-APR-2009 23:25:03; Dark ; 70.0; 15; 67Alp Vir ; 0.98; 28000;occ; 140; 0;37058
10; 1881.6; 01-APR-2009 23:28:16; Bright; 42.5; 121; 29Gam Vir ; 2.74; 7200;occ; 85; 0;37058
11; 2155.3; 01-APR-2009 23:32:50; Bright; 47.5; 138; 47Eps Vir ; 2.83; 4700;occ; 95; 0;37058
12; 2670.5; 01-APR-2009 23:41:25; Bright; 42.5; 152; 12Alp2CVn ; 2.89; 11000;occ; 85; 0;37058
13; 2953.3; 01-APR-2009 23:46:08; Bright; 41.0; 32; 77Eps UMa ; 1.76; 11000;occ; 82; 0;37058
14; 3500.1; 01-APR-2009 23:55:14; Bright; 44.5; 119; 14Eta Dra ; 2.73; 4700;occ; 89; 0;37058
15; 4197.4; 02-APR-2009 00:06:52; Bright; 47.5; 144; 18Del Cyg ; 2.86; 11000;occ; 95; 0;37058
16; 4312.8; 02-APR-2009 00:08:47; Bright; 43.5; 66; 37Gam Cyg ; 2.21; 5900;occ; 87; 0;37058
17; 4436.1; 02-APR-2009 00:10:50; Bright; 61.0; 92; 53Eps Cyg ; 2.50; 4500;occ; 122; 0;37058
18; 5053.0; 02-APR-2009 00:21:07; Dark ; 68.0; 11; 53Alp Aql ; 0.76; 8000;occ; 136; 0;37058
19; 5292.0; 02-APR-2009 00:25:06; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;37058

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1; -1600.1; 01-APR-2009 14:07:15; Bright; 6.5; 92; 53Eps Cyg ; 2.50; 4500;occ; 13; 0;37052

/nas3/ENVISAT/GOMOS/GOM_NL__0P/GOM_NL__0PNPDK20090401_150203_000055032077_00426_37053_3561.N1

1; 1688.5; 01-APR-2009 15:02:03; Dark ; 70.0; 15; 67Alp Vir ; 0.98; 28000;occ; 140; 0;37053
2; 1881.9; 01-APR-2009 15:05:17; Bright; 45.5; 121; 29Gam Vir ; 2.74; 7200;occ; 91; 0;37053
3; 7141.4; 01-APR-2009 16:32:56; Dark ; 51.0; 54; 5The Cen ; 2.06; 4500;occ; 102; 0;37053

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1; 1432.5; 01-APR-2009 16:38:23; Dark ; 51.0; 169; 46Gam Hya ; 2.99; 4700;occ; 102; 0;37054
2; 2954.7; 01-APR-2009 17:03:45; Bright; 40.0; 32; 77Eps UMa ; 1.76; 11000;occ; 80; 0;37054
3; 4312.8; 01-APR-2009 17:26:23; Bright; 43.5; 66; 37Gam Cyg ; 2.21; 5900;occ; 87; 0;37054
4; 4435.5; 01-APR-2009 17:28:26; Bright; 39.5; 92; 53Eps Cyg ; 2.50; 4500;occ; 79; 0;37054

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1; 2954.4; 01-APR-2009 18:44:21; Bright; 18.0; 32; 77Eps UMa ; 1.76; 11000;occ; 36; 0;37055

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1; -257.2; 02-APR-2009 00:33:13; Dark ; 60.5; 155; 41Pi Sgr ; 2.90; 6600;occ; 121; 0;37058
 2; -125.0; 02-APR-2009 00:35:25; Dark ; 56.0; 57; 34Sig Sgr ; 2.07; 26000;occ; 112; 0;37058
 3; 341.6; 02-APR-2009 00:43:12; Dark ; 57.5; 25; 35Lam Sco ; 1.62; 28000;occ; 115; 0;37059
 4; 800.4; 02-APR-2009 00:50:51; Dark ; 51.5; 131; Gam Lup ; 2.80; 26000;occ; 103; 0;37059
 5; 945.7; 02-APR-2009 00:53:16; Dark ; 48.0; 81; Eta Cen ; 2.36; 28000;occ; 96; 0;37059
 6; 1107.7; 02-APR-2009 00:55:58; Dark ; 52.0; 54; 5The Cen ; 2.06; 4500;occ; 104; 0;37059
 7; 1433.6; 02-APR-2009 01:01:24; Dark ; 51.0; 169; 46Gam Hya ; 2.99; 4700;occ; 102; 0;37059
 8; 1688.1; 02-APR-2009 01:05:38; Dark ; 70.0; 15; 67Alp Vir ; 0.98; 28000;occ; 140; 0;37059
 9; 1881.4; 02-APR-2009 01:08:52; Bright; 44.5; 121; 29Gam Vir ; 2.74; 7200;occ; 89; 0;37059
 10; 2154.8; 02-APR-2009 01:13:25; Bright; 49.0; 138; 47Eps Vir ; 2.83; 4700;occ; 98; 0;37059
 11; 2669.6; 02-APR-2009 01:22:00; Bright; 44.0; 152; 12Alp2CVn ; 2.89; 11000;occ; 88; 0;37059
 12; 2952.7; 02-APR-2009 01:26:43; Bright; 38.0; 32; 77Eps UMa ; 1.76; 11000;occ; 76; 0;37059
 13; 3499.2; 02-APR-2009 01:35:49; Bright; 48.0; 119; 14Eta Dra ; 2.73; 4700;occ; 96; 0;37059
 14; 4197.2; 02-APR-2009 01:47:27; Bright; 46.0; 144; 18Del Cyg ; 2.86; 11000;occ; 92; 0;37059
 15; 4312.9; 02-APR-2009 01:49:23; Bright; 49.0; 66; 37Gam Cyg ; 2.21; 5900;occ; 98; 0;37059
 16; 4436.0; 02-APR-2009 01:51:26; Bright; 61.0; 92; 53Eps Cyg ; 2.50; 4500;occ; 122; 0;37059
 17; 5054.0; 02-APR-2009 02:01:44; Dark ; 65.5; 11; 53Alp Aql ; 0.76; 8000;occ; 131; 0;37059

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1; -917.9; 02-APR-2009 02:02:48; Dark ; 66.0; 11; 53Alp Aql ; 0.76; 8000;occ; 132; 128;37059
 2; -742.9; 02-APR-2009 02:05:43; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;37059
 3; -255.9; 02-APR-2009 02:13:50; Dark ; 57.5; 155; 41Pi Sgr ; 2.90; 6600;occ; 115; 0;37059
 4; -123.9; 02-APR-2009 02:16:02; Dark ; 56.0; 57; 34Sig Sgr ; 2.07; 26000;occ; 112; 0;37059
 5; 89.5; 02-APR-2009 02:19:36; Dark ; 55.0; 38; 20Eps Sgr ; 1.84; 11000;occ; 110; 0;37060
 6; 343.0; 02-APR-2009 02:23:49; Dark ; 59.0; 25; 35Lam Sco ; 1.62; 28000;occ; 118; 0;37060
 7; 801.5; 02-APR-2009 02:31:28; Dark ; 52.5; 131; Gam Lup ; 2.80; 26000;occ; 105; 0;37060
 8; 946.7; 02-APR-2009 02:33:53; Dark ; 46.5; 81; Eta Cen ; 2.36; 28000;occ; 93; 0;37060
 9; 1108.6; 02-APR-2009 02:36:35; Dark ; 51.0; 54; 5The Cen ; 2.06; 4500;occ; 102; 0;37060
 10; 1433.7; 02-APR-2009 02:42:00; Dark ; 48.5; 169; 46Gam Hya ; 2.99; 4700;occ; 97; 0;37060
 11; 1688.2; 02-APR-2009 02:46:14; Dark ; 66.5; 15; 67Alp Vir ; 0.98; 28000;occ; 133; 0;37060
 12; 1881.5; 02-APR-2009 02:49:28; Bright; 44.0; 121; 29Gam Vir ; 2.74; 7200;occ; 88; 0;37060
 13; 2154.6; 02-APR-2009 02:54:01; Bright; 48.0; 138; 47Eps Vir ; 2.83; 4700;occ; 96; 0;37060
 14; 2669.4; 02-APR-2009 03:02:36; Bright; 42.5; 152; 12Alp2CVn ; 2.89; 11000;occ; 85; 0;37060
 15; 2952.7; 02-APR-2009 03:07:19; Bright; 40.5; 32; 77Eps UMa ; 1.76; 11000;occ; 81; 0;37060
 16; 3498.8; 02-APR-2009 03:16:25; Bright; 47.0; 119; 14Eta Dra ; 2.73; 4700;occ; 94; 0;37060

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1; -1838.8; 02-APR-2009 03:28:03; Bright; 46.5; 144; 18Del Cyg ; 2.86; 11000;occ; 93; 0;37060
 2; -1723.0; 02-APR-2009 03:29:59; Bright; 45.5; 66; 37Gam Cyg ; 2.21; 5900;occ; 91; 0;37060
 3; -1599.6; 02-APR-2009 03:32:02; Bright; 44.0; 92; 53Eps Cyg ; 2.50; 4500;occ; 88; 0;37060
 4; -981.1; 02-APR-2009 03:42:21; Dark ; 69.0; 11; 53Alp Aql ; 0.76; 8000;occ; 138; 0;37060
 5; -741.9; 02-APR-2009 03:46:20; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;37060
 6; -253.8; 02-APR-2009 03:54:28; Dark ; 48.0; 155; 41Pi Sgr ; 2.90; 6600;occ; 96; 0;37060
 7; -122.3; 02-APR-2009 03:56:40; Dark ; 55.0; 57; 34Sig Sgr ; 2.07; 26000;occ; 110; 0;37060
 8; 91.1; 02-APR-2009 04:00:13; Dark ; 56.5; 38; 20Eps Sgr ; 1.84; 11000;occ; 113; 0;37061
 9; 344.5; 02-APR-2009 04:04:27; Dark ; 64.5; 25; 35Lam Sco ; 1.62; 28000;occ; 129; 0;37061
 10; 801.9; 02-APR-2009 04:12:04; Dark ; 50.0; 131; Gam Lup ; 2.80; 26000;occ; 100; 0;37061
 11; 947.2; 02-APR-2009 04:14:29; Dark ; 50.0; 81; Eta Cen ; 2.36; 28000;occ; 100; 0;37061
 12; 1109.2; 02-APR-2009 04:17:11; Dark ; 48.0; 54; 5The Cen ; 2.06; 4500;occ; 96; 0;37061
 13; 1434.3; 02-APR-2009 04:22:36; Dark ; 49.0; 169; 46Gam Hya ; 2.99; 4700;occ; 98; 0;37061
 14; 1688.2; 02-APR-2009 04:26:50; Dark ; 60.5; 15; 67Alp Vir ; 0.98; 28000;occ; 121; 0;37061
 15; 1881.7; 02-APR-2009 04:30:04; Bright; 43.0; 121; 29Gam Vir ; 2.74; 7200;occ; 86; 0;37061
 16; 2154.3; 02-APR-2009 04:34:36; Bright; 58.0; 138; 47Eps Vir ; 2.83; 4700;occ; 116; 0;37061
 17; 2668.8; 02-APR-2009 04:43:11; Bright; 42.0; 152; 12Alp2CVn ; 2.89; 11000;occ; 84; 0;37061
 18; 2952.1; 02-APR-2009 04:47:54; Bright; 59.0; 32; 77Eps UMa ; 1.76; 11000;occ; 118; 0;37061
 19; 3498.1; 02-APR-2009 04:57:00; Bright; 70.5; 119; 14Eta Dra ; 2.73; 4700;occ; 141; 0;37061

/nas3/ENVISAT/GOMOS/GOM_NL__0P/GOM_NL__0PNPDE20090402_050839_000053822077_00434_37061_7524.N1

1; -1838.9; 02-APR-2009 05:08:39; Bright; 45.0; 144; 18Del Cyg ; 2.86; 11000;occ; 90; 0;37061
 2; -1722.9; 02-APR-2009 05:10:35; Bright; 44.0; 66; 37Gam Cyg ; 2.21; 5900;occ; 88; 0;37061
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4; 533.8; 11-APR-2009 21:10:50; Dark ; 54.5; 25; 35Lam Sco ; 1.62; 28000;occ; 109; 0;37200
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4; 732.6; 22-APR-2009 23:49:22; Dark ; 66.0; 25; 35Lam Sco ; 1.62; 28000;occ; 132; 0;37359
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 3; 2696.0; 23-APR-2009 10:25:41; Bright; 43.0; 180; 27Gam Boo ; 3.04; 8000;occ; 86; 0;37365
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12; 3255.4; 26-APR-2009 02:17:46; Bright; 45.0; 119; 14Eta Dra ; 2.73; 4700;occ; 90; 0;37403
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