

GOMOS Daily Report 28-FEB-2012

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	04MAR2012 07:01:31
Data source version	GOMOS/6.01
Start time of products	28FEB2012 01:25:42
Stop time of products	28FEB2012 23:23:15
Store outputs in DB	Yes
Nb of level 1b prods	28
Nb of prods with errors	0

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

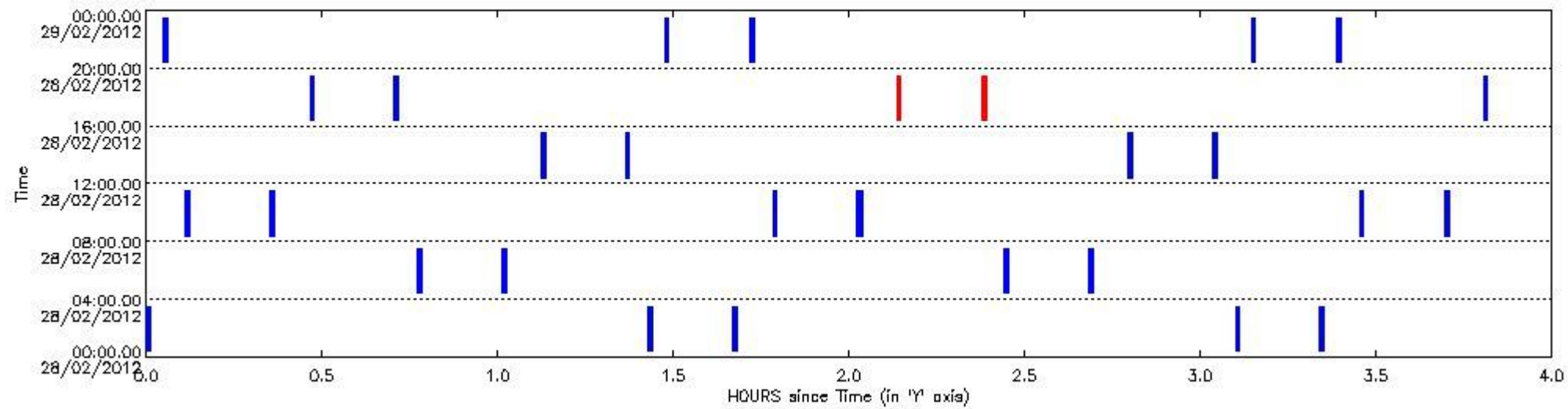
2.1 Level 0 products arrived in PCF (see template [here](#))

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)

UTC start time	Star name	Star ID	Orbit
28-FEB-2012 18:08:08	20EpsSgr	38	52310
28-FEB-2012 18:22:32	BetCen	10	52310

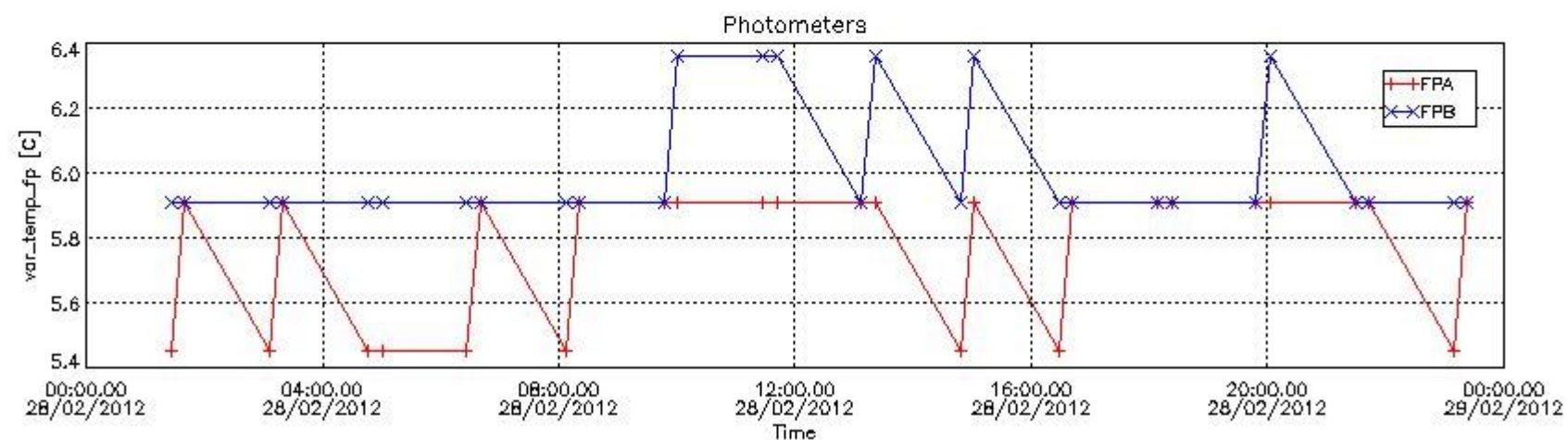
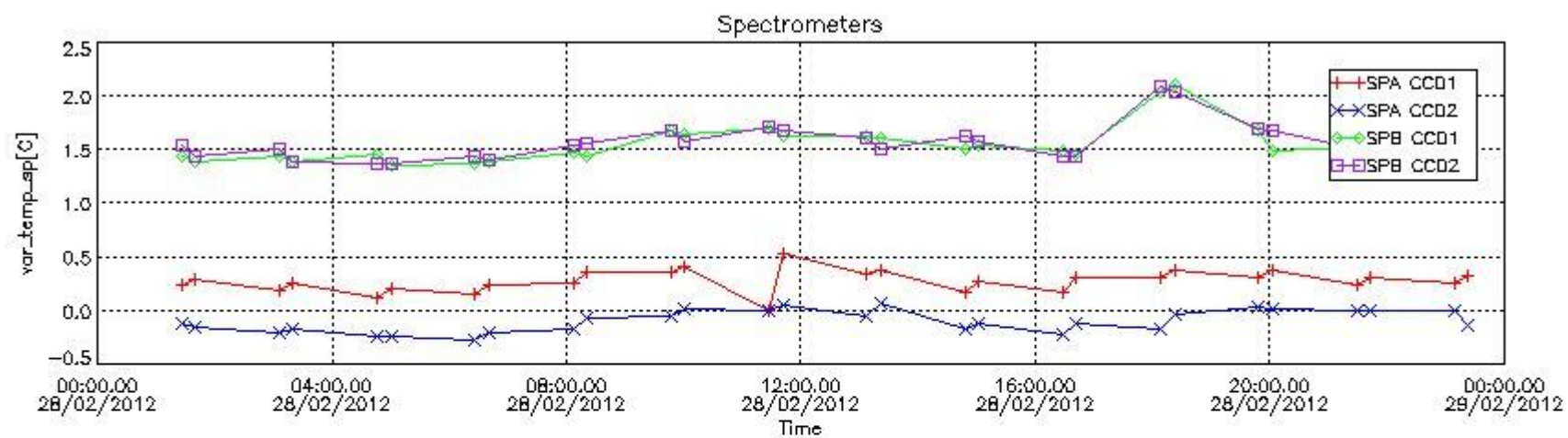
2.4 Summary of processed GOM_TRA_1P products

!Warning: No products without errors in BRIGHT limb conditions found

Nr	Filename	UTC Start time	Limb	Duration	Star Id	Star Name	Star Mag	Star Temp	Nb Meas	Orbit	Prod. error
1	GOM_TRA_1PNPDE20120228_012542_000000463112_00117_52286_3089.N1	28-FEB-2012 01:25:42	Dark	45.500	38	20Eps Sgr	1.8360	11000.	91	52286	No
2	GOM_TRA_1PNPDE20120228_014007_000000453112_00118_52287_3090.N1	28-FEB-2012 01:40:07	Dark	45.000	10	Bet Cen	0.61000	28000.	90	52287	No
3	GOM_TRA_1PNPDE20120228_030556_000000453112_00118_52287_3091.N1	28-FEB-2012 03:05:56	Dark	45.000	38	20Eps Sgr	1.8360	11000.	90	52287	No
4	GOM_TRA_1PNPDE20120228_032021_000000413112_00119_52288_3092.N1	28-FEB-2012 03:20:21	Dark	41.000	10	Bet Cen	0.61000	28000.	82	52288	No
5	GOM_TRA_1PNPDE20120228_044611_000000463112_00119_52288_3134.N1	28-FEB-2012 04:46:11	Dark	45.500	38	20Eps Sgr	1.8360	11000.	91	52288	No
6	GOM_TRA_1PNPDE20120228_050036_000000513112_00120_52289_3135.N1	28-FEB-2012 05:00:36	Dark	50.500	10	Bet Cen	0.61000	28000.	101	52289	No
7	GOM_TRA_1PNPDE20120228_062626_000000443112_00120_52289_3183.N1	28-FEB-2012 06:26:26	Dark	43.500	38	20Eps Sgr	1.8360	11000.	87	52289	No
8	GOM_TRA_1PNPDE20120228_064050_000000483112_00121_52290_3184.N1	28-FEB-2012 06:40:50	Dark	47.500	10	Bet Cen	0.61000	28000.	95	52290	No

9	GOM_TRA_1PNPDK20120228_080640_000000463112_00121_52290_7745.N1	28-FEB-2012 08:06:40	Dark	46.000	38	20Eps Sgr	1.8360	11000.	92	52290	No
10	GOM_TRA_1PNPDK20120228_082105_000000413112_00122_52291_7746.N1	28-FEB-2012 08:21:05	Dark	41.000	10	Bet Cen	0.61000	28000.	82	52291	No
11	GOM_TRA_1PNPDK20120228_094655_000000453112_00122_52291_7842.N1	28-FEB-2012 09:46:55	Dark	44.500	38	20Eps Sgr	1.8360	11000.	89	52291	No
12	GOM_TRA_1PNPDK20120228_100119_000000533112_00123_52292_7843.N1	28-FEB-2012 10:01:19	Dark	52.500	10	Bet Cen	0.61000	28000.	105	52292	No
13	GOM_TRA_1PNPDK20120228_112709_000000433112_00123_52292_7891.N1	28-FEB-2012 11:27:09	Dark	43.000	38	20Eps Sgr	1.8360	11000.	86	52292	No
14	GOM_TRA_1PNPDK20120228_114134_000000513112_00124_52293_7892.N1	28-FEB-2012 11:41:34	Dark	51.000	10	Bet Cen	0.61000	28000.	102	52293	No
15	GOM_TRA_1PNPDK20120228_130724_000000423112_00124_52293_8386.N1	28-FEB-2012 13:07:24	Dark	42.000	38	20Eps Sgr	1.8360	11000.	84	52293	No
16	GOM_TRA_1PNPDK20120228_132148_000000413112_00125_52294_8387.N1	28-FEB-2012 13:21:48	Dark	40.500	10	Bet Cen	0.61000	28000.	81	52294	No
17	GOM_TRA_1PNPDK20120228_144738_000000473112_00125_52294_7949.N1	28-FEB-2012 14:47:38	Dark	46.500	38	20Eps Sgr	1.8360	11000.	93	52294	No
18	GOM_TRA_1PNPDK20120228_150203_000000423112_00126_52295_7950.N1	28-FEB-2012 15:02:03	Dark	42.000	10	Bet Cen	0.61000	28000.	84	52295	No
19	GOM_TRA_1PNPDK20120228_162753_000000473112_00126_52295_7969.N1	28-FEB-2012 16:27:53	Dark	47.000	38	20Eps Sgr	1.8360	11000.	94	52295	No
20	GOM_TRA_1PNPDK20120228_164217_000000423112_00127_52296_7970.N1	28-FEB-2012 16:42:17	Dark	42.000	10	Bet Cen	0.61000	28000.	84	52296	No
21	GOM_TRA_1PNPDK20120228_180808_000000423112_00127_52296_7999.N1	28-FEB-2012 18:08:08	Dark	42.000	38	20Eps Sgr	1.8360	11000.	84	52296	No
22	GOM_TRA_1PNPDK20120228_182232_000000433112_00128_52297_8000.N1	28-FEB-2012 18:22:32	Dark	43.000	10	Bet Cen	0.61000	28000.	86	52297	No
23	GOM_TRA_1PNPDK20120228_194822_000000373112_00128_52297_8026.N1	28-FEB-2012 19:48:22	Dark	37.000	38	20Eps Sgr	1.8360	11000.	74	52297	No
24	GOM_TRA_1PNPDK20120228_200247_000000443112_00129_52298_8027.N1	28-FEB-2012 20:02:47	Dark	44.000	10	Bet Cen	0.61000	28000.	88	52298	No
25	GOM_TRA_1PNPDE20120228_212837_000000323112_00129_52298_3397.N1	28-FEB-2012 21:28:37	Dark	32.000	38	20Eps Sgr	1.8360	11000.	64	52298	No
26	GOM_TRA_1PNPDE20120228_214301_000000433112_00130_52299_3398.N1	28-FEB-2012 21:43:01	Dark	42.500	10	Bet Cen	0.61000	28000.	85	52299	No
27	GOM_TRA_1PNPDE20120228_230851_000000273112_00130_52299_3423.N1	28-FEB-2012 23:08:51	Dark	27.000	38	20Eps Sgr	1.8360	11000.	54	52299	No
28	GOM_TRA_1PNPDE20120228_232315_000000433112_00131_52300_3424.N1	28-FEB-2012 23:23:15	Dark	43.000	10	Bet Cen	0.61000	28000.	86	52300	No

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



4. Overview of dark signal processing per product

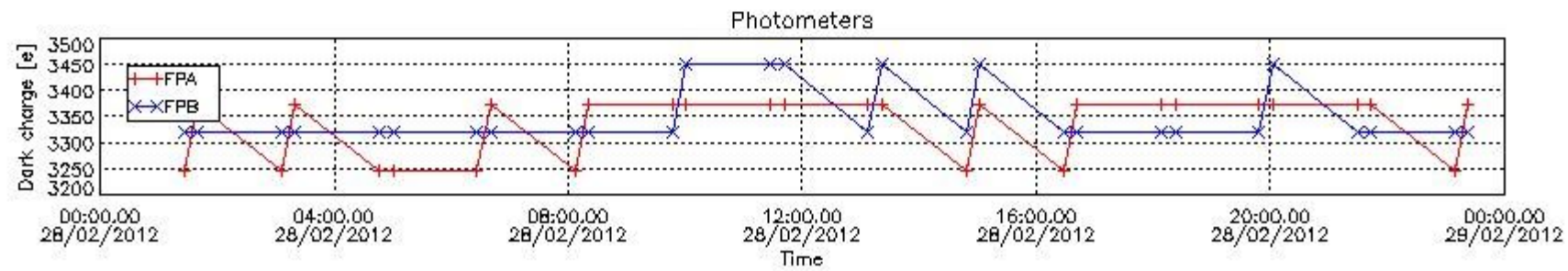
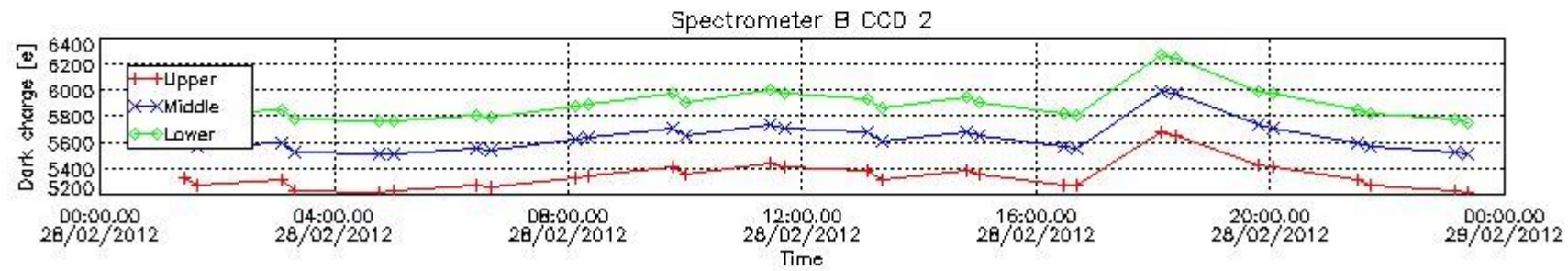
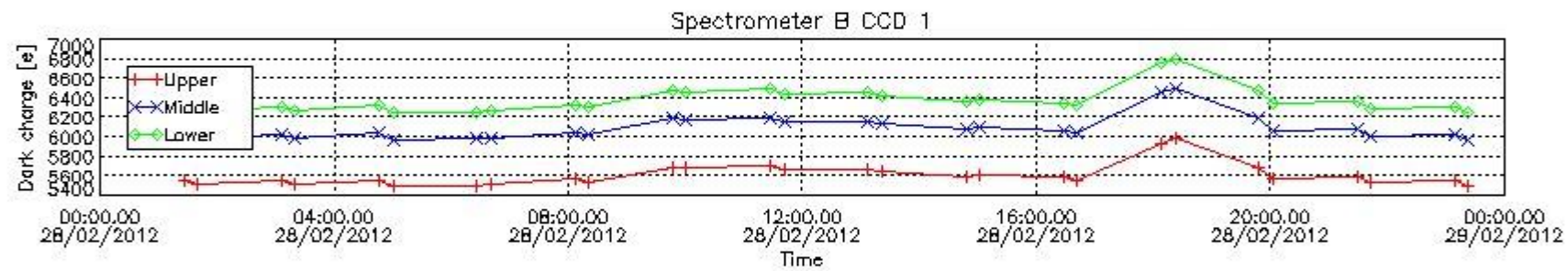
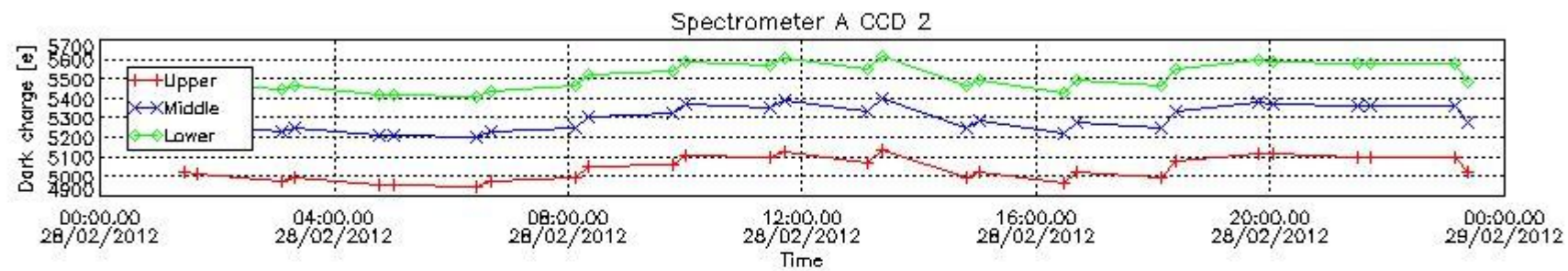
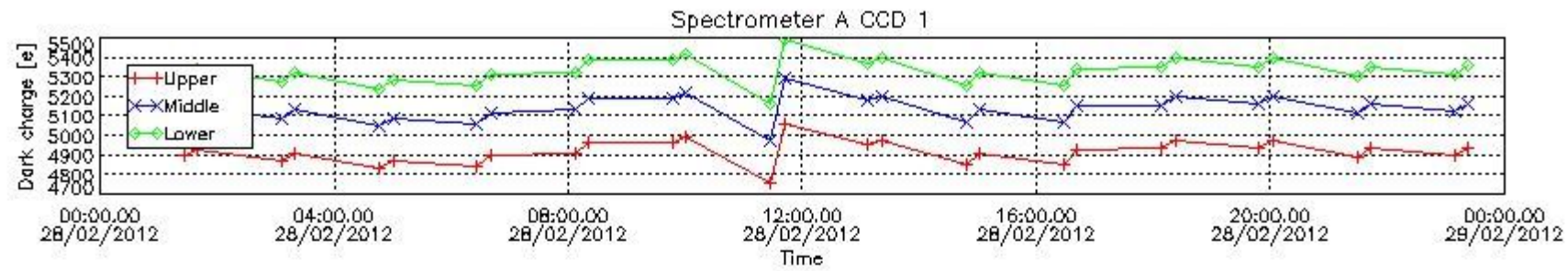
The Dark Charge (DC) is a temperature-dependant signal added to the useful measurements and it is therefore subtracted from them during the processing. There are two phenomena that produce a continuous increase of the DC: the "hot pixels" (a pixel is "hot" when its DC exceeds by a significant amount 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_1PNPDE20120228_012542_000000463112_00117_52286_3089.N1	DC map used
GOM_TRA_1PNPDE20120228_014007_000000453112_00118_52287_3090.N1	DC map used
GOM_TRA_1PNPDE20120228_030556_000000453112_00118_52287_3091.N1	DC map used
GOM_TRA_1PNPDE20120228_032021_000000413112_00119_52288_3092.N1	DC map used
GOM_TRA_1PNPDE20120228_044611_000000463112_00119_52288_3134.N1	DC map used
GOM_TRA_1PNPDE20120228_050036_000000513112_00120_52289_3135.N1	DC map used
GOM_TRA_1PNPDE20120228_062626_000000443112_00120_52289_3183.N1	DC map used
GOM_TRA_1PNPDE20120228_064050_000000483112_00121_52290_3184.N1	DC map used
GOM_TRA_1PNPDK20120228_080640_000000463112_00121_52290_7745.N1	DC map used
GOM_TRA_1PNPDK20120228_082105_000000413112_00122_52291_7746.N1	DC map used
GOM_TRA_1PNPDK20120228_094655_000000453112_00122_52291_7842.N1	DC map used
GOM_TRA_1PNPDK20120228_100119_000000533112_00123_52292_7843.N1	DC map used
GOM_TRA_1PNPDK20120228_112709_000000433112_00123_52292_7891.N1	DC map used
GOM_TRA_1PNPDK20120228_114134_000000513112_00124_52293_7892.N1	DC map used
GOM_TRA_1PNPDK20120228_130724_000000423112_00124_52293_8386.N1	DC map used
GOM_TRA_1PNPDK20120228_132148_000000413112_00125_52294_8387.N1	DC map used
GOM_TRA_1PNPDK20120228_144738_000000473112_00125_52294_7949.N1	DC map used
GOM_TRA_1PNPDK20120228_150203_000000423112_00126_52295_7950.N1	DC map used
GOM_TRA_1PNPDK20120228_162753_000000473112_00126_52295_7969.N1	DC map used
GOM_TRA_1PNPDK20120228_164217_000000423112_00127_52296_7970.N1	DC map used
GOM_TRA_1PNPDK20120228_180808_000000423112_00127_52296_7999.N1	DC map used
GOM_TRA_1PNPDK20120228_182232_000000433112_00128_52297_8000.N1	DC map used
GOM_TRA_1PNPDK20120228_194822_000000373112_00128_52297_8026.N1	DC map used
GOM_TRA_1PNPDK20120228_200247_000000443112_00129_52298_8027.N1	DC map used
GOM_TRA_1PNPDE20120228_212837_000000323112_00129_52298_3397.N1	DC map used
GOM_TRA_1PNPDE20120228_214301_000000433112_00130_52299_3398.N1	DC map used
GOM_TRA_1PNPDE20120228_230851_000000273112_00130_52299_3423.N1	DC map used
GOM_TRA_1PNPDE20120228_232315_000000433112_00131_52300_3424.N1	DC map used

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



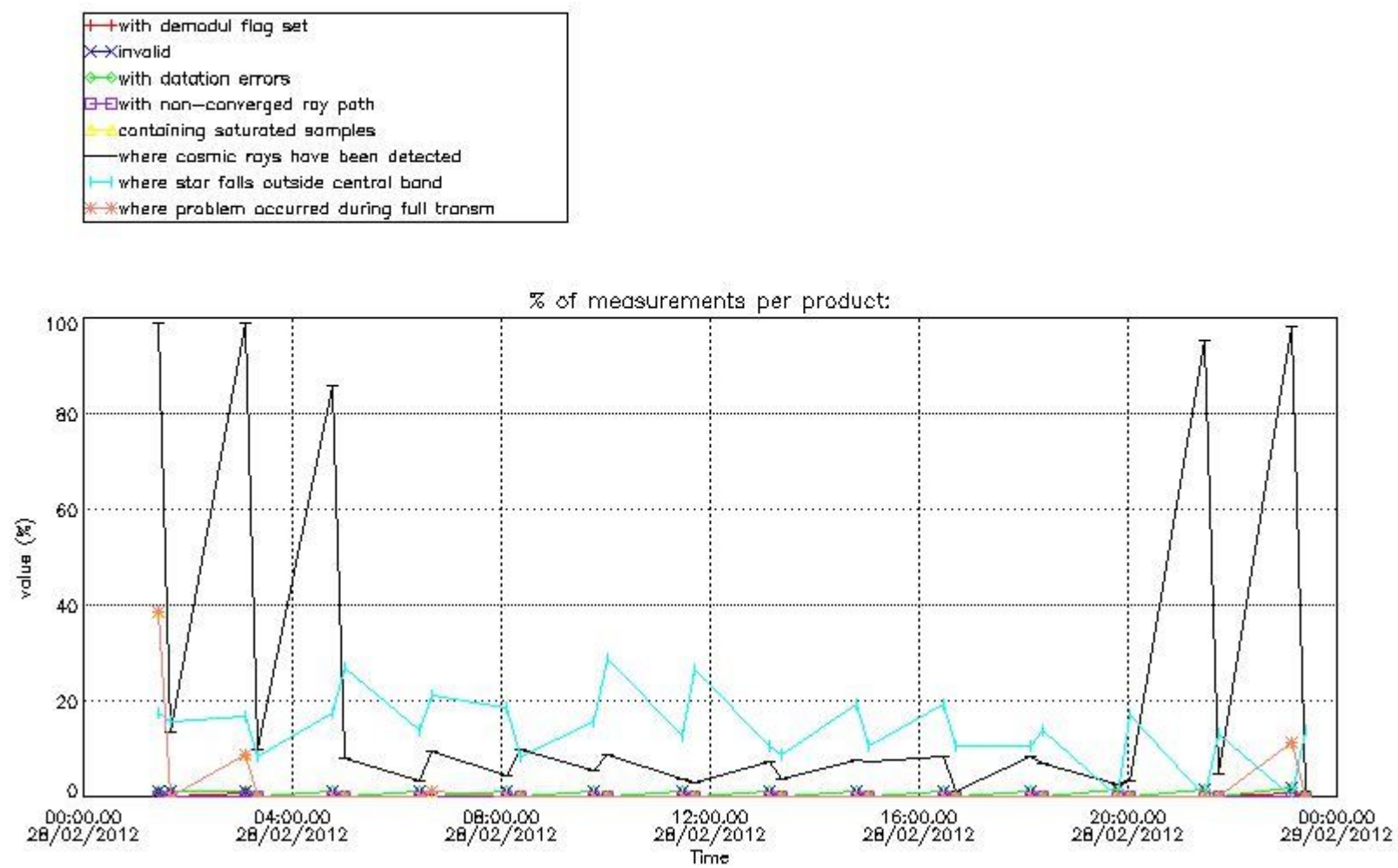
5. Demodulation flag and quality information monitoring

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.

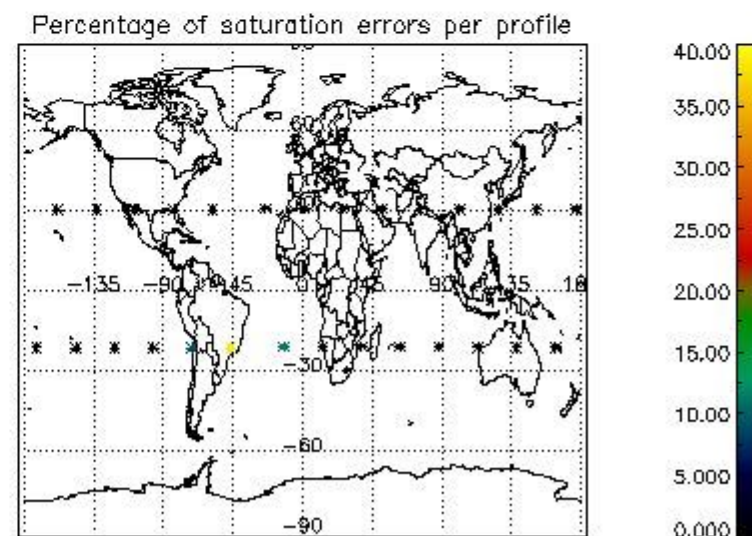
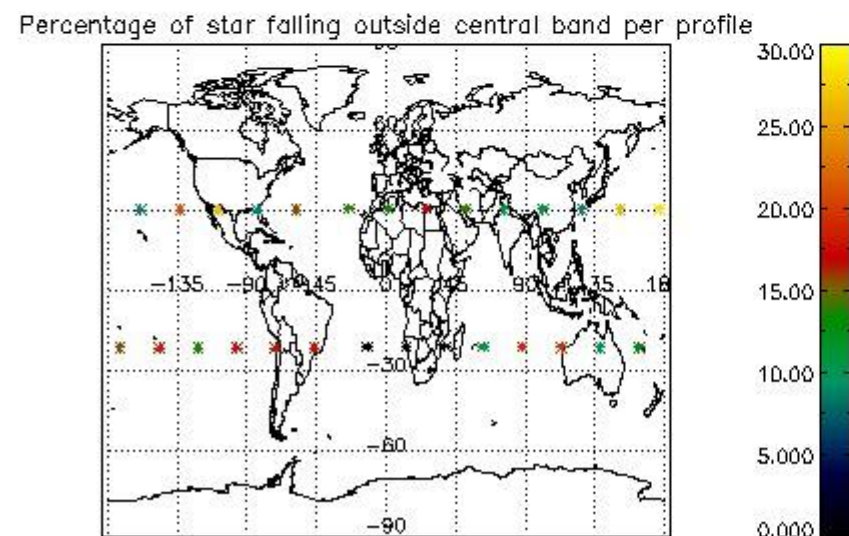
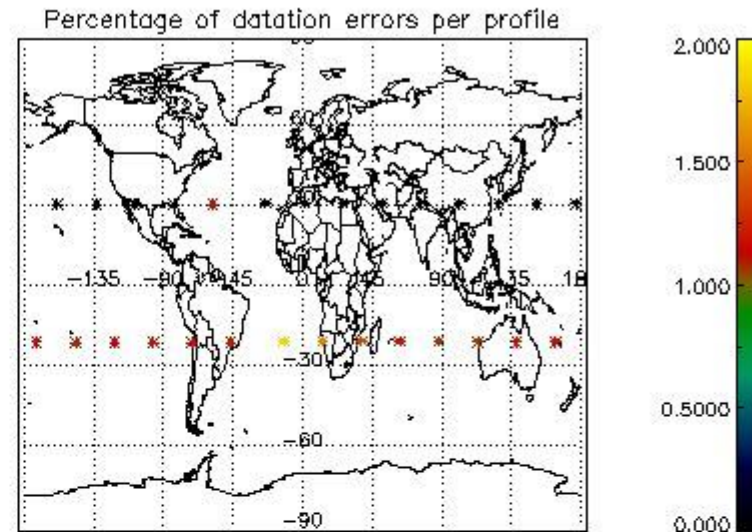
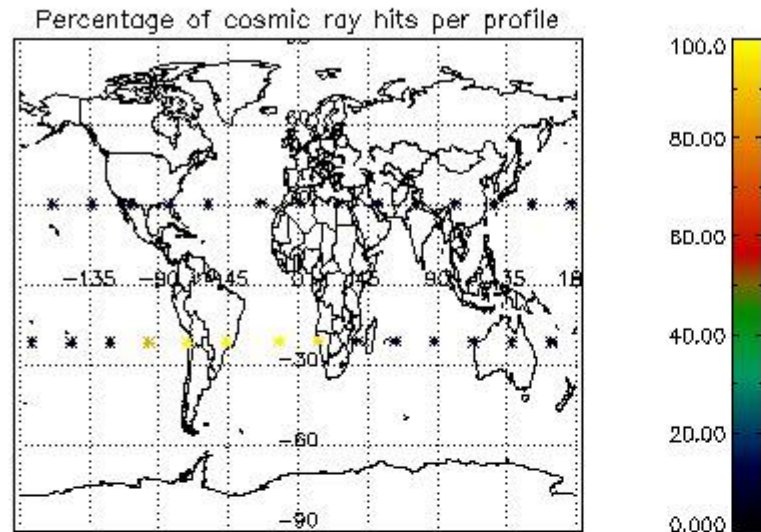
5.1 Percentage of products during reporting period with:

At least one measurement with demodulation flag set:	92.8571 %
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)



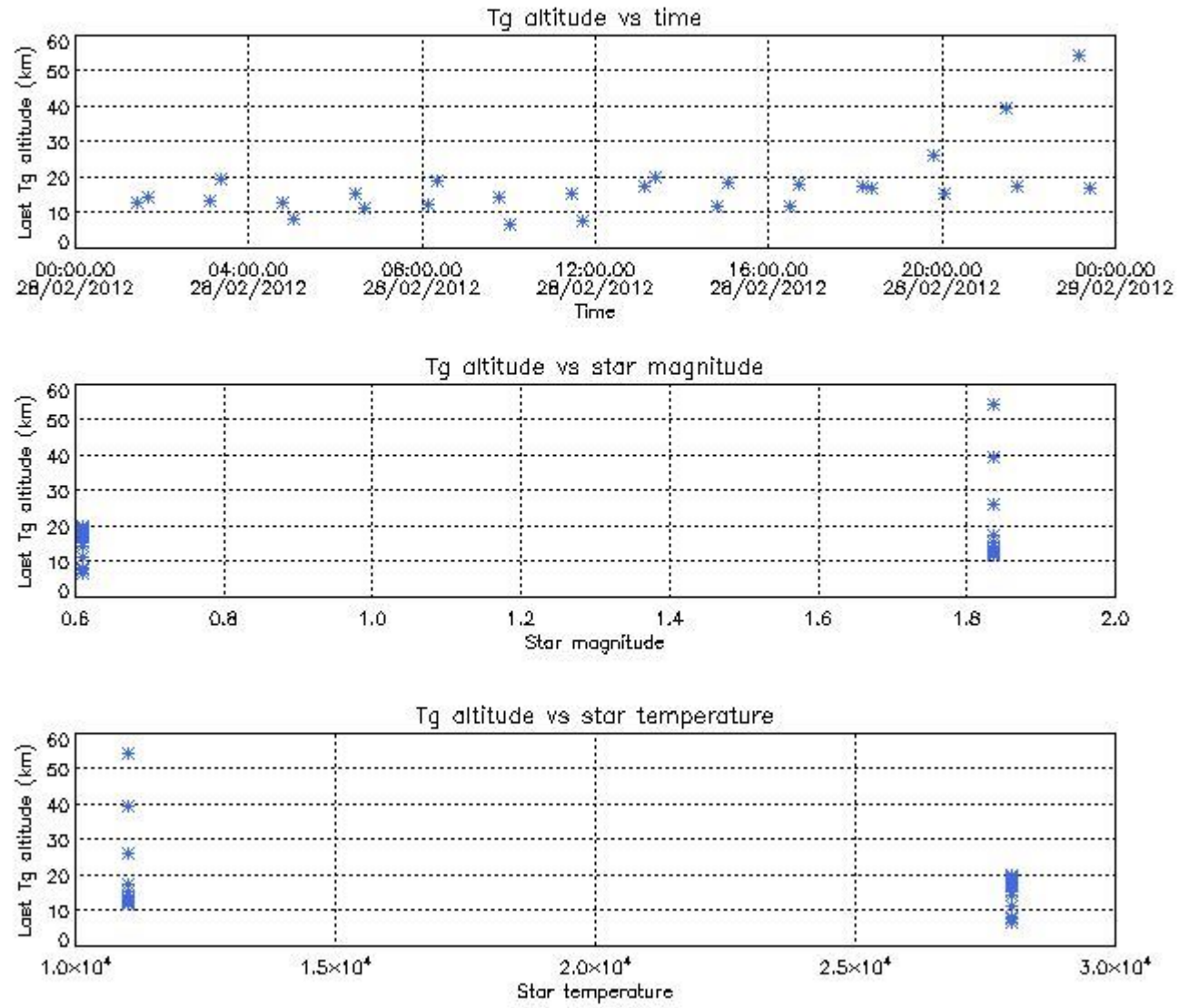
6. Statistics and plot of tangent altitude of the last measurement (DARK & BRIGHT products without errors)

6.1 Statistics on tangent altitude lost:

Statistics	DARK	BRIGHT	TWILIGHT
Mean:	17.346	NaN	NaN
St. deviation:	9.5354	NaN	NaN
Maximum:	54.459	NaN	NaN
Minimum:	6.6789	NaN	NaN
Number of data:	28.000	NaN	NaN

6.2 Plot for DARK limb products

Tangent altitude at which the star is lost

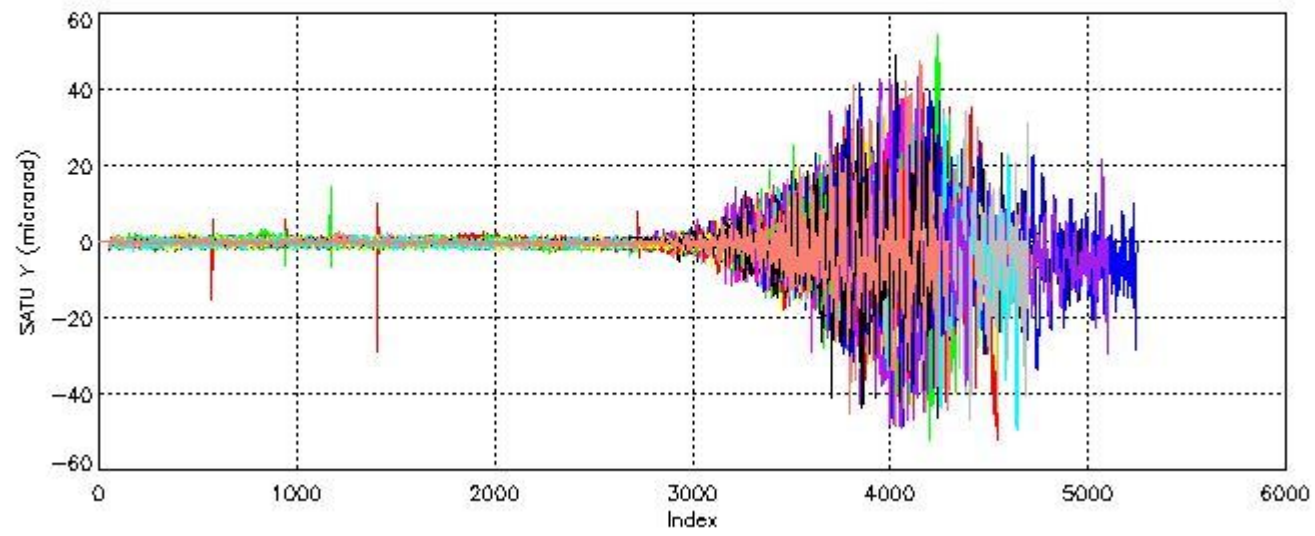
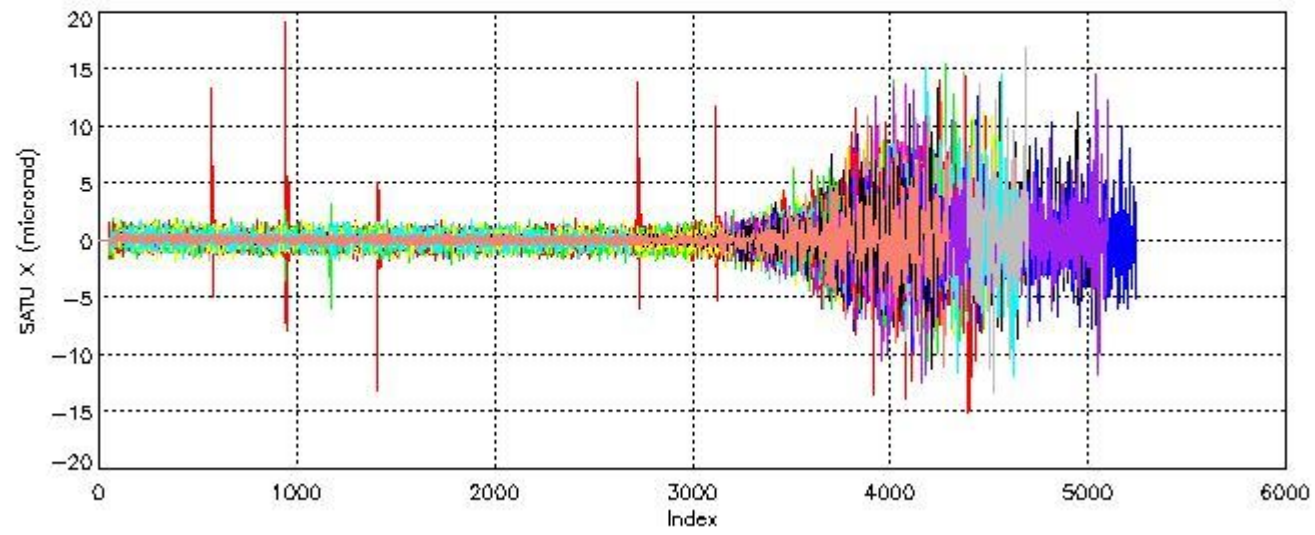


7. Star Acquisition and Tracking Unit (SATU)

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:	0.094103	-0.22952	NaN	NaN
St. deviation:	0.39108	0.50928	NaN	NaN
Maximum:	19.100	5.9000	NaN	NaN
Minimum:	-7.9000	-15.400	NaN	NaN

Number of data:	26900.	26900.	NaN	NaN
90Percentile:	0.60000	0.40000	NaN	NaN

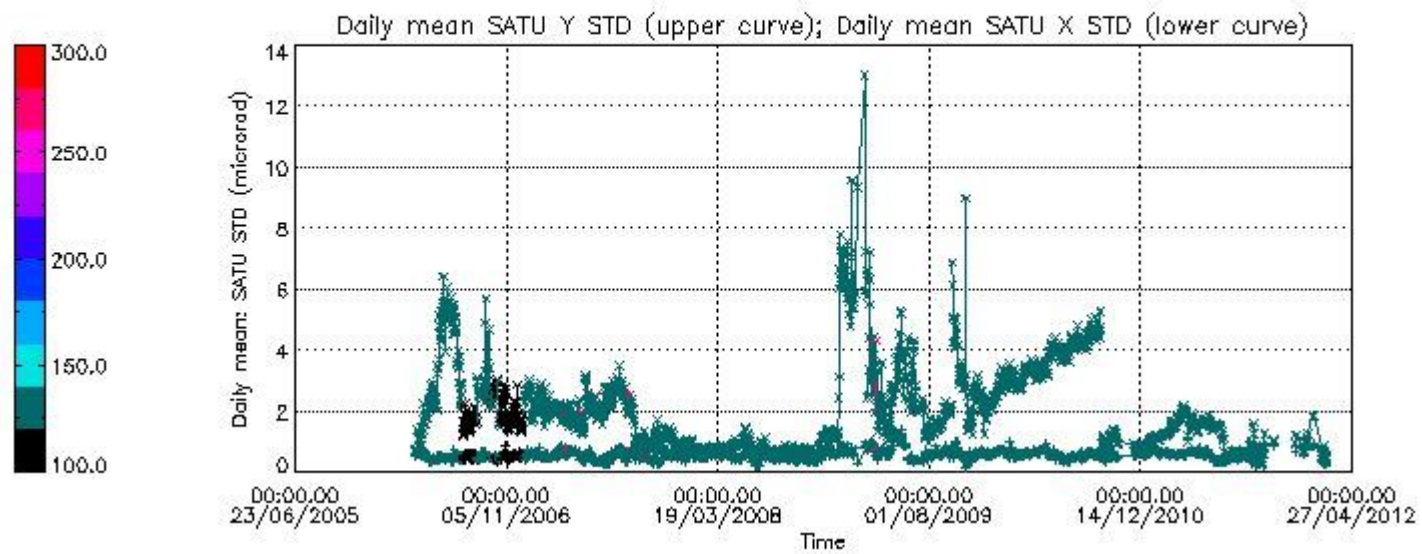
7.2.2 Trend of daily SATU NEA St. deviation since 1st April 2006 (dark limb) and of daily SATU NEA 90th percentile since May 2011

The long term trend of the SATU 'X' and 'Y' standard deviations should be constant during the whole mission.

The colorbar represents the start tangent altitude (km) of the occultations.

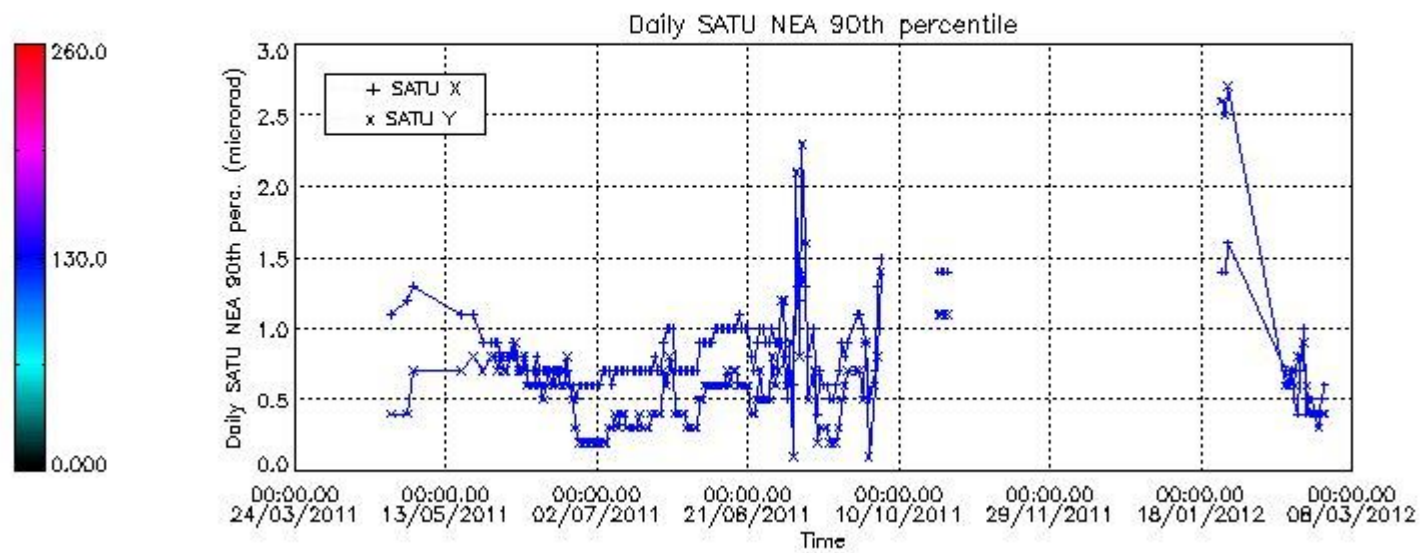
Upper curve: STD of SATU Y axis

Lower curve: STD of SATU X axis



Lower curve: 90th percentile of SATU Y axis

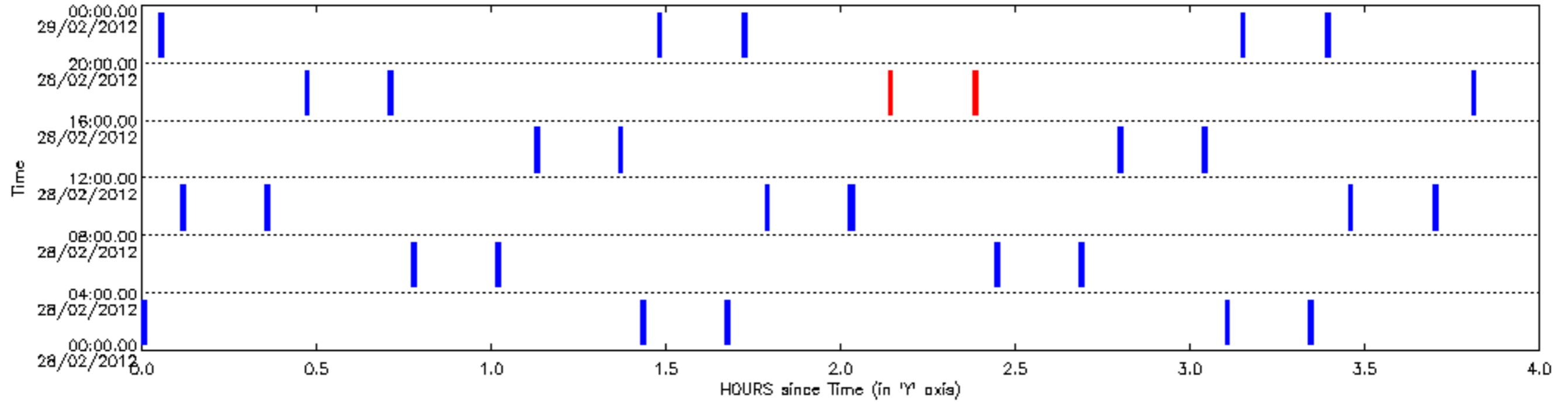
Upper curve: 90th percentile of SATU X axis

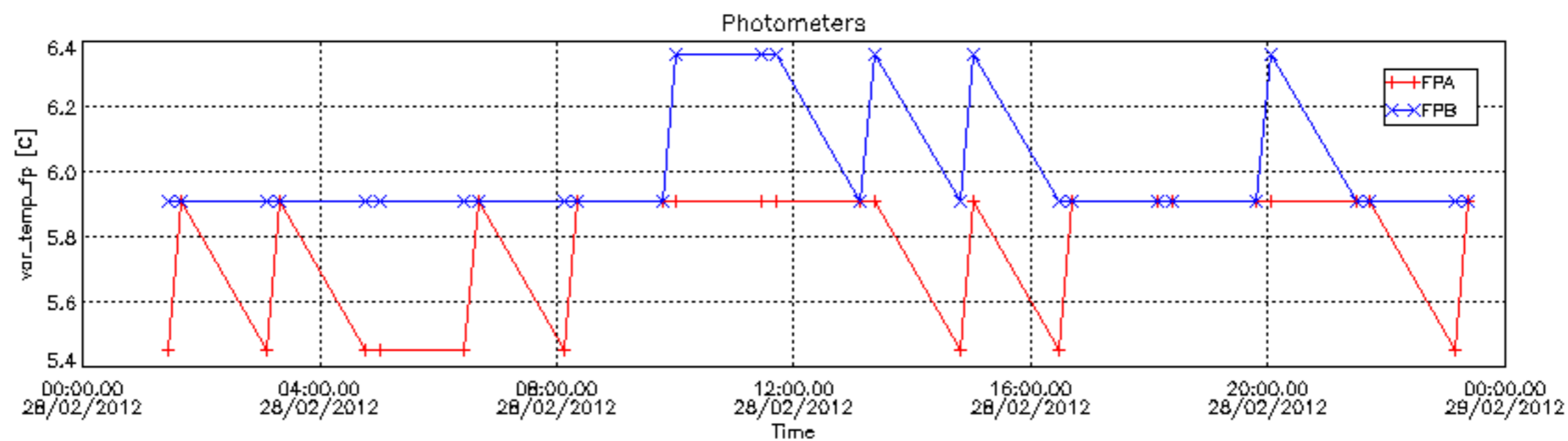
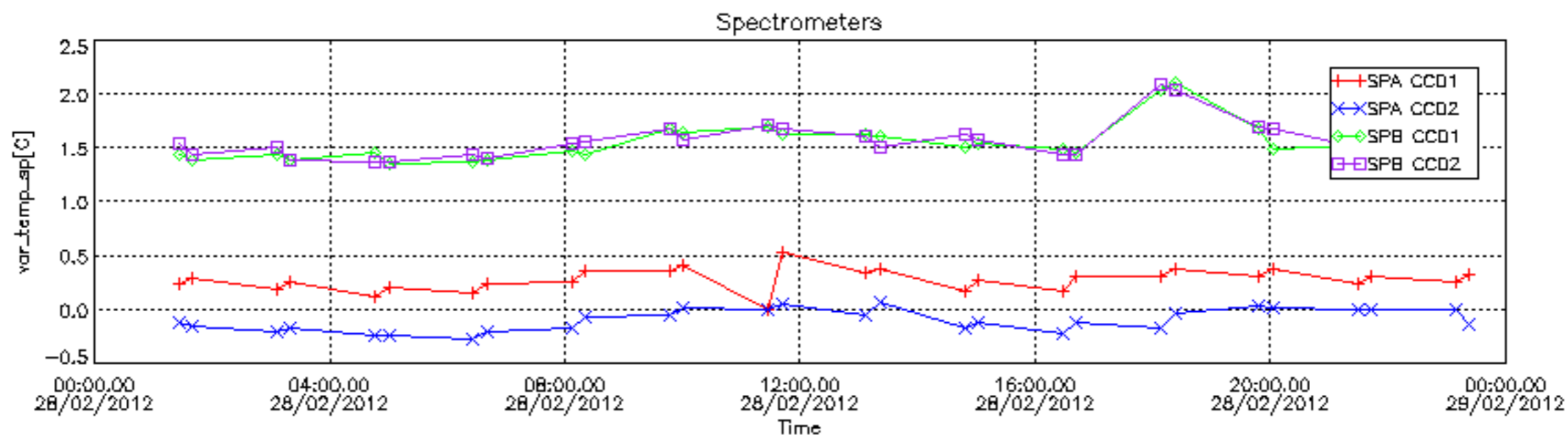


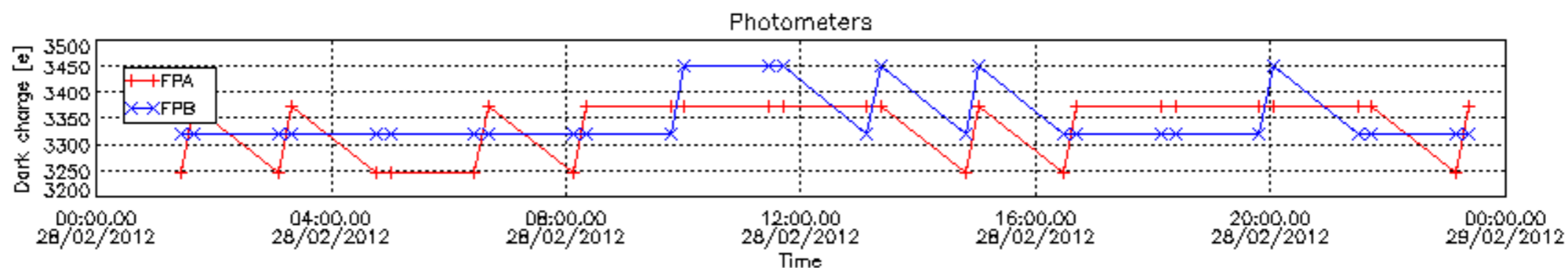
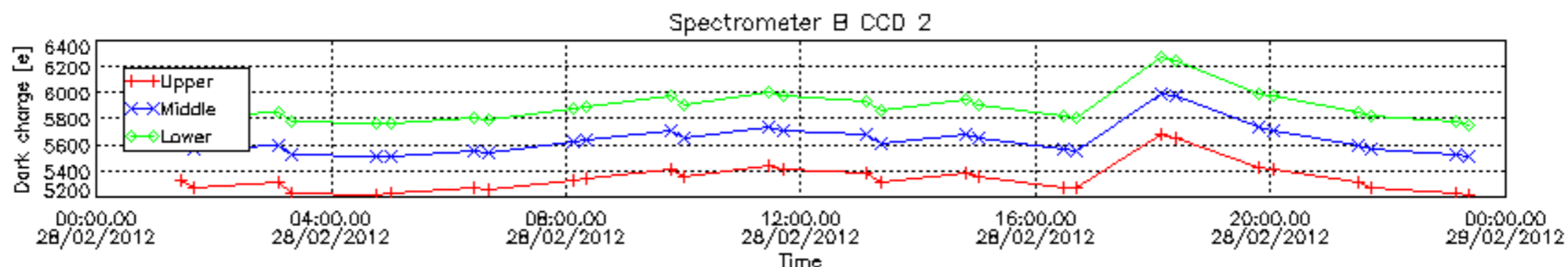
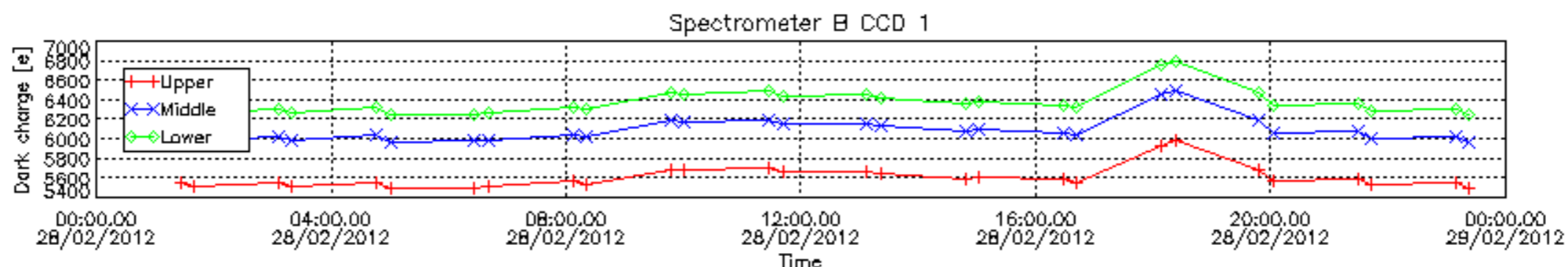
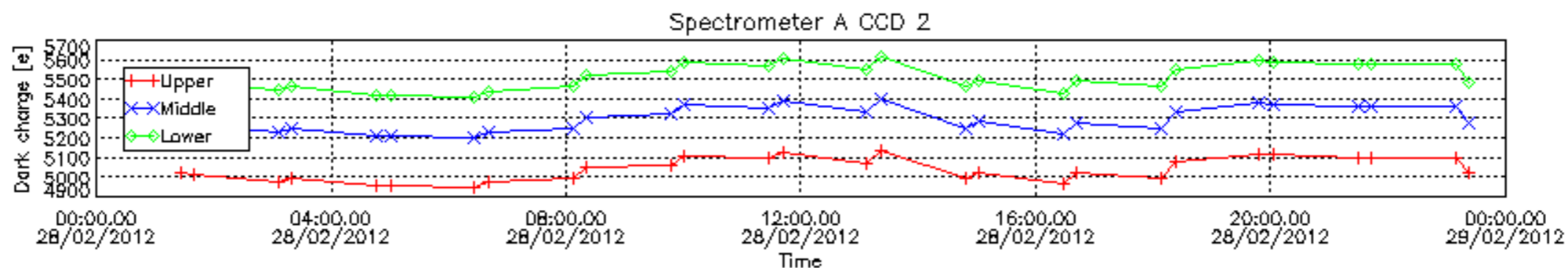
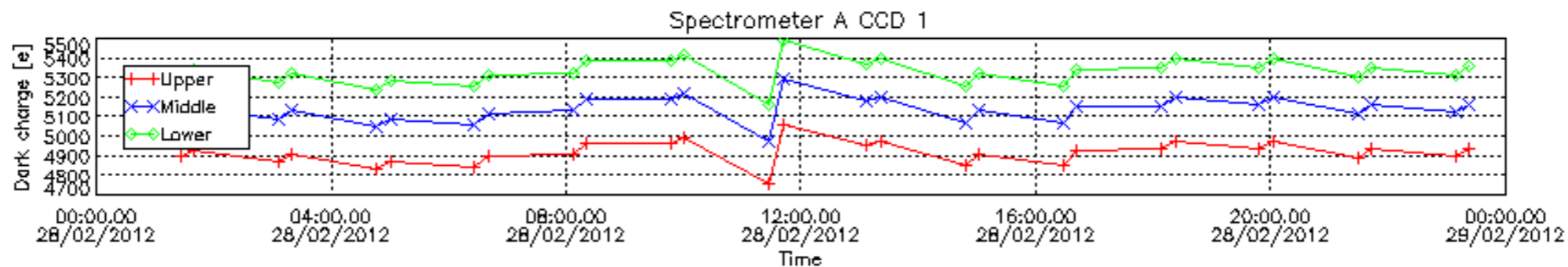
8. Auxiliary Data Files used for the production reported in section 2.4

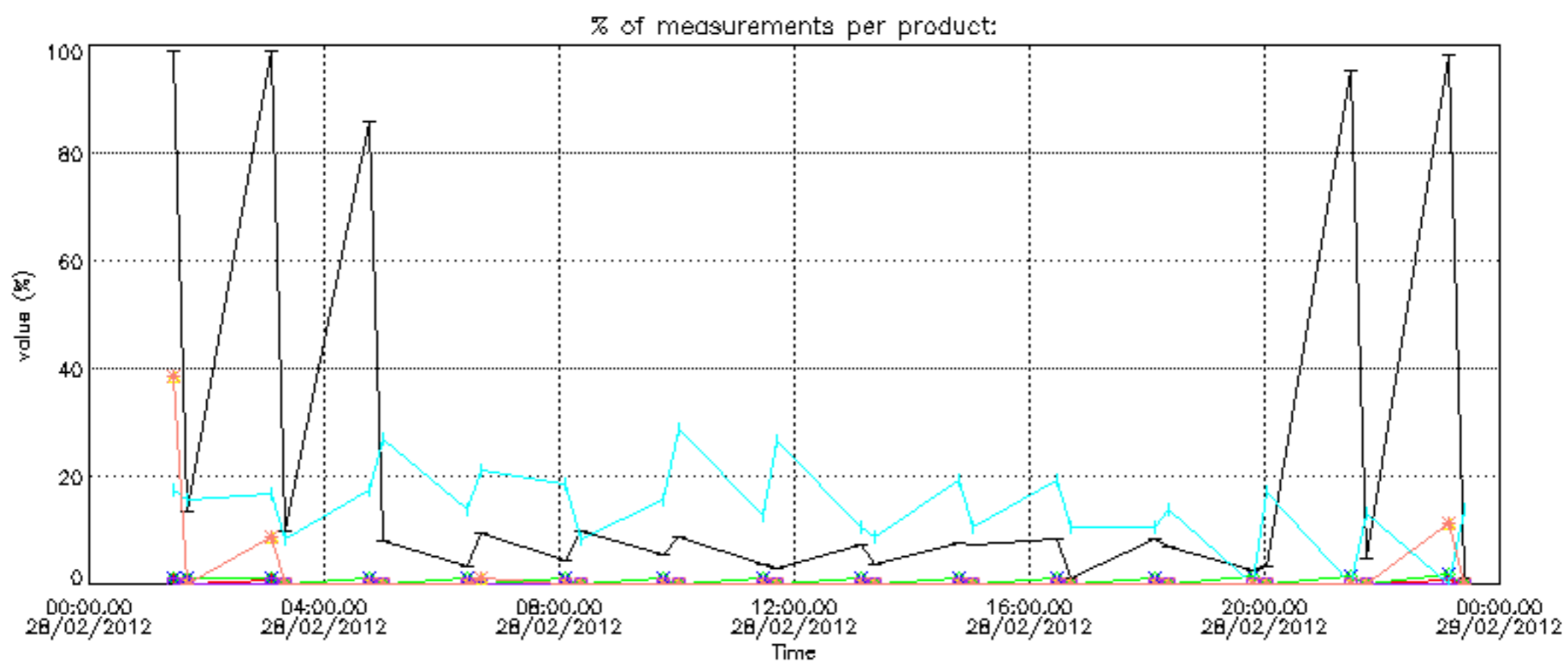
The number reported in the third column indicates since which file (see list in section 2.4) the corresponding auxiliary file has been used. The fourth column is the date of those product files.

Type	Auxiliary Filename	Used since product	Used since product date
INST_PHYS_CHARACTERISTICS	GOM_INS_AXVIEC20111213_163131_20111215_000000_20500101_000000	1	28-FEB-2012 01:25:42
CALIBRATION_DATABASE	GOM_CAL_AXVIEC20120130_103112_20120125_000000_20500101_000000	1	28-FEB-2012 01:25:42
LEVEL-1B_PROC_CONFIG	GOM_PR1_AXVIEC20110513_081743_20020301_000000_20500101_000000	1	28-FEB-2012 01:25:42
STAR_CATALOGUE	GOM_CAT_AXVIEC20020121_161009_20020101_000000_20200101_000000	1	28-FEB-2012 01:25:42
STELLAR_SPECTRA_DATABANK	GOM_STS_AXVIEC20091111_151504_20020101_160000_20500101_000000	1	28-FEB-2012 01:25:42
ECMWF_FILE	AUX_ECF_AXNECM20120227_062116_20120227_210000_20120228_090000	1	28-FEB-2012 01:25:42
ECMWF_FILE	AUX_ECF_AXNECM20120227_181246_20120228_030000_20120228_150000	5	28-FEB-2012 04:46:11
ECMWF_FILE	AUX_ECA_AXNECM20120228_062818_20120227_210000_20120228_090000	7	28-FEB-2012 06:26:26
ECMWF_FILE	AUX_ECF_AXNECM20120228_062818_20120228_090000_20120228_210000	11	28-FEB-2012 09:46:55
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ECMWF_FILE	AUX_ECF_AXNECM20120228_062818_20120228_090000_20120228_210000	17	28-FEB-2012 14:47:38
ECMWF_FILE	AUX_ECF_AXNECM20120228_062819_20120228_150000_20120229_030000	19	28-FEB-2012 16:27:53
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OPTIONAL_ECMWF_FILE	MISSING	1	28-FEB-2012 01:25:42
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ORBIT_DATA_FILE	AUX_FPO_AXVPDS20120228_112816_20120227_185045_20120308_210426	13	28-FEB-2012 11:27:09
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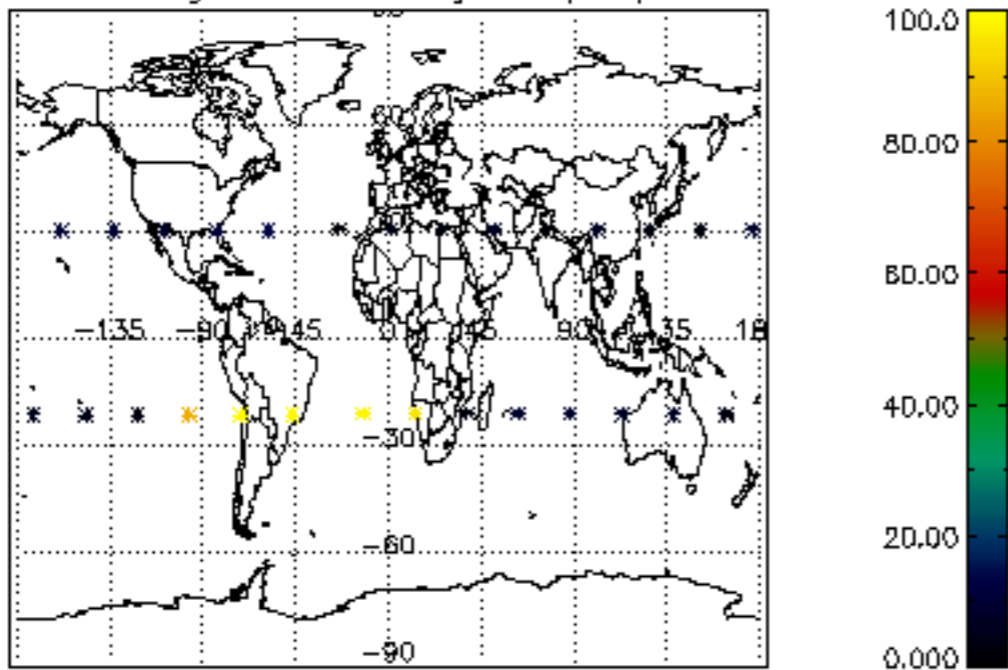




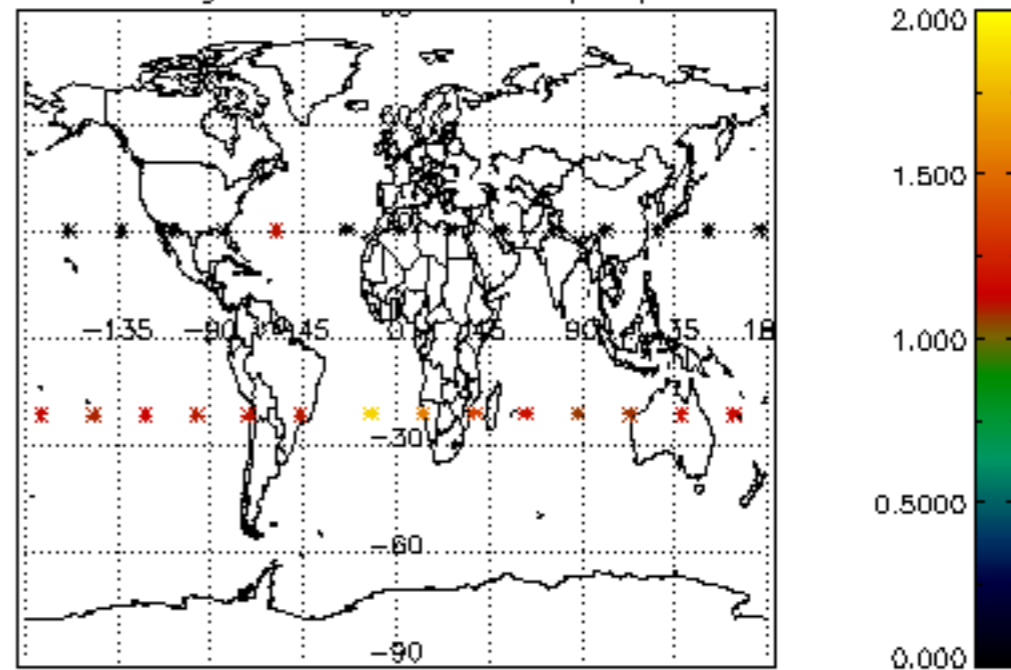




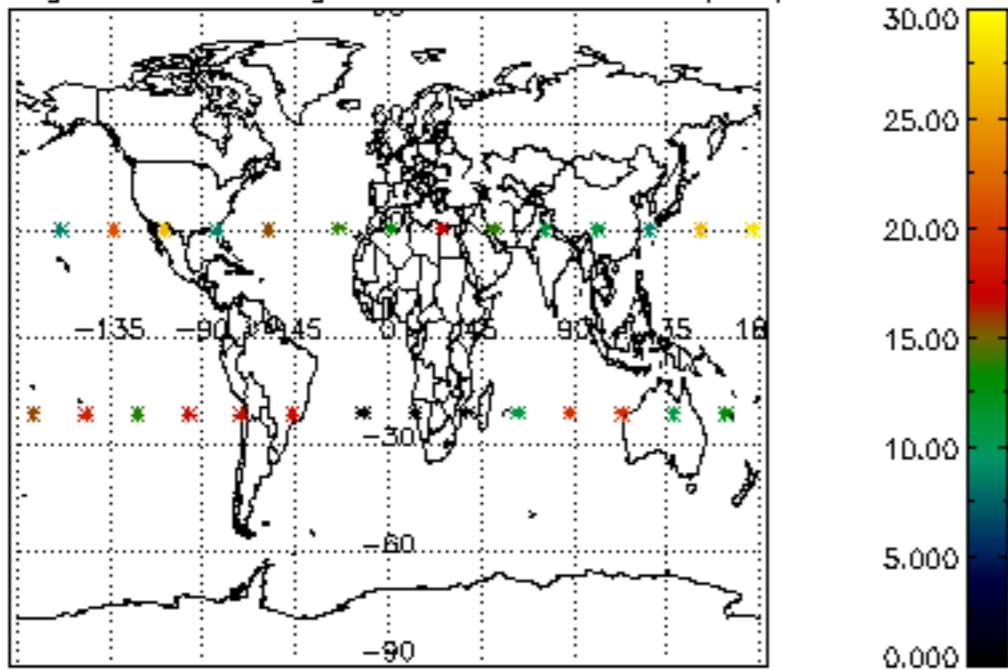
Percentage of cosmic ray hits per profile



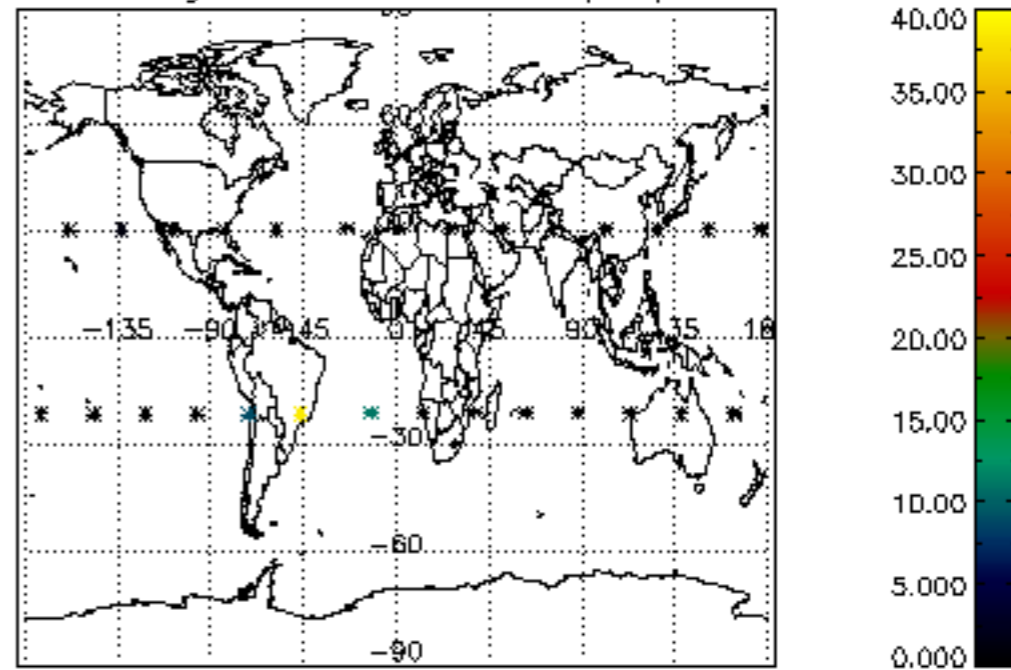
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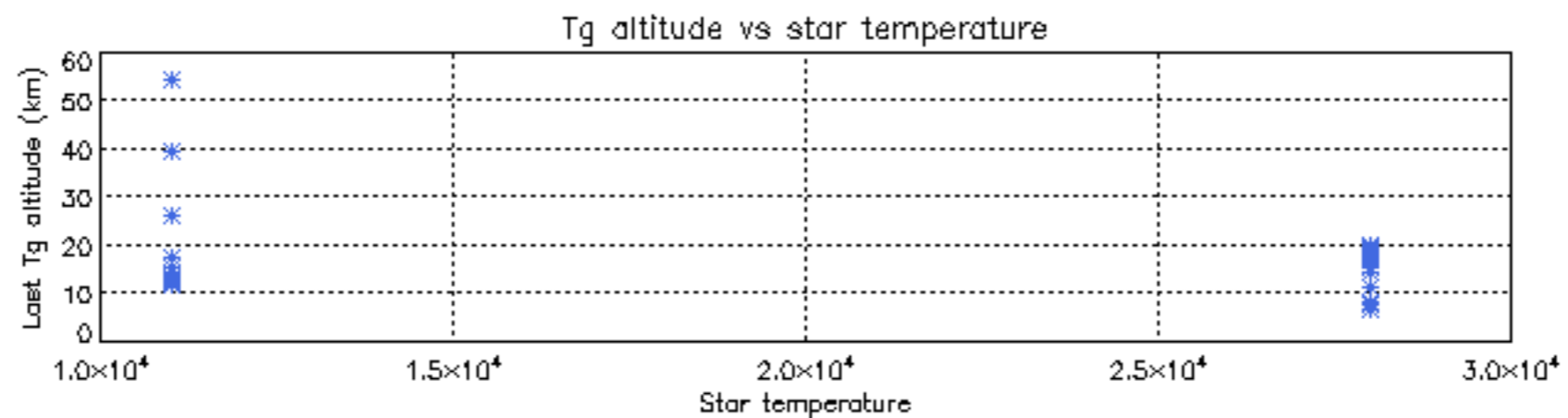
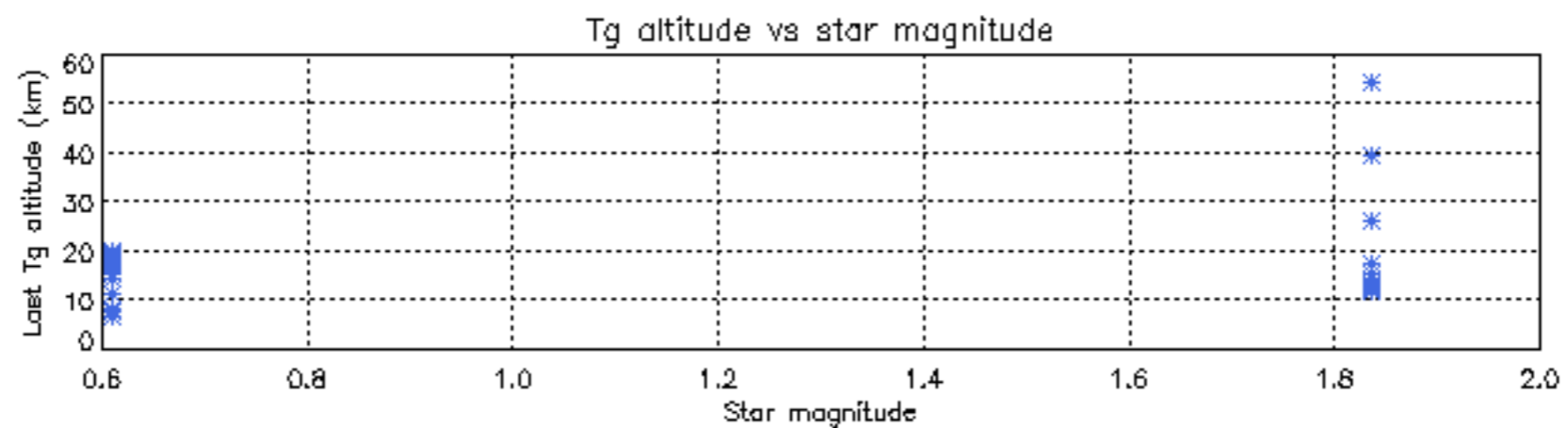
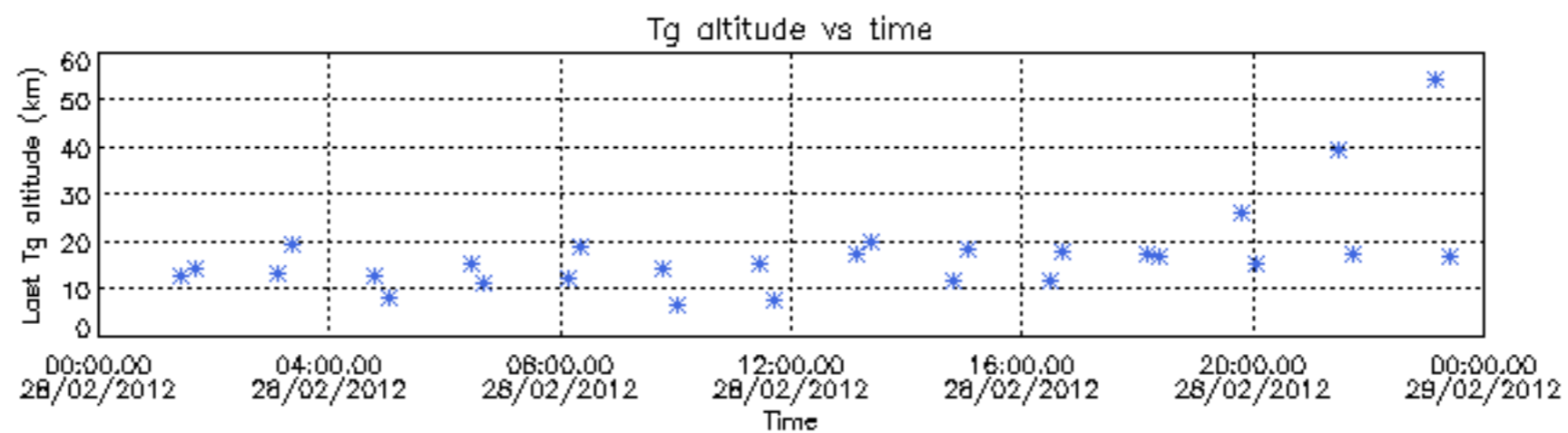
Percentage of star falling outside central band per profile

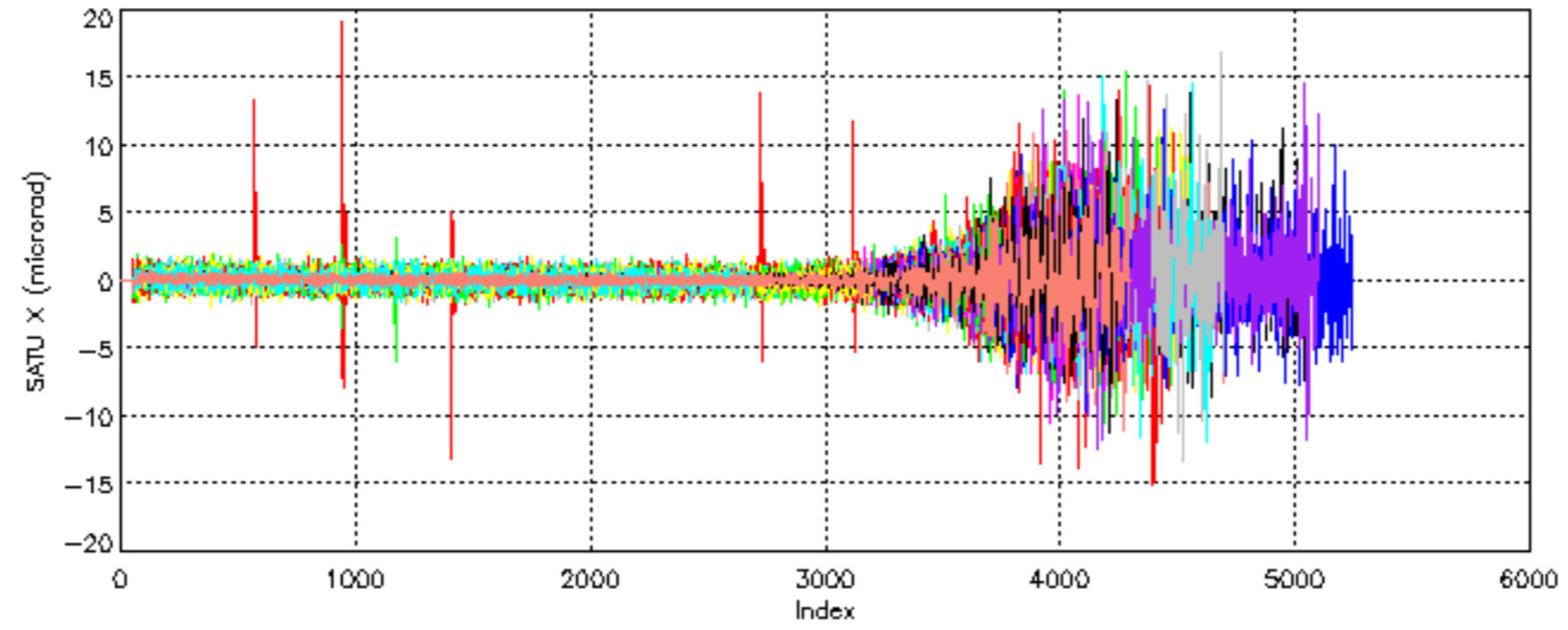


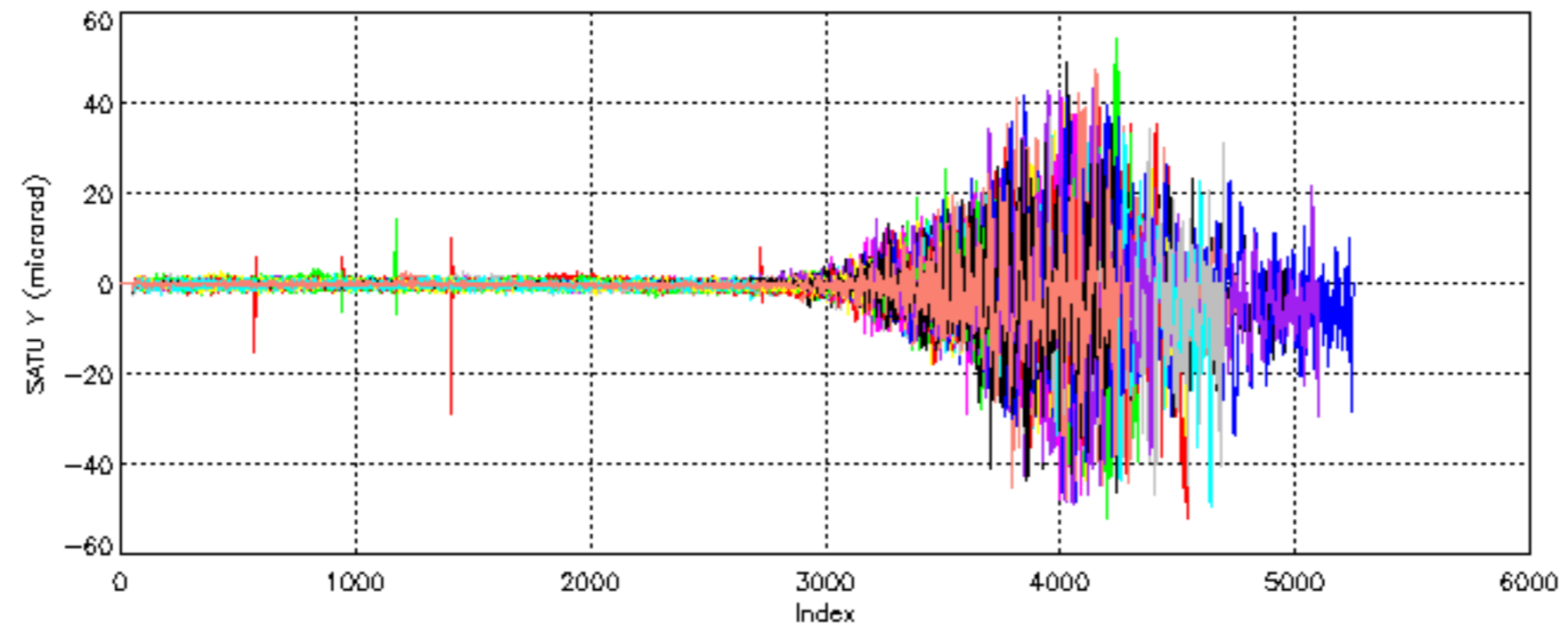
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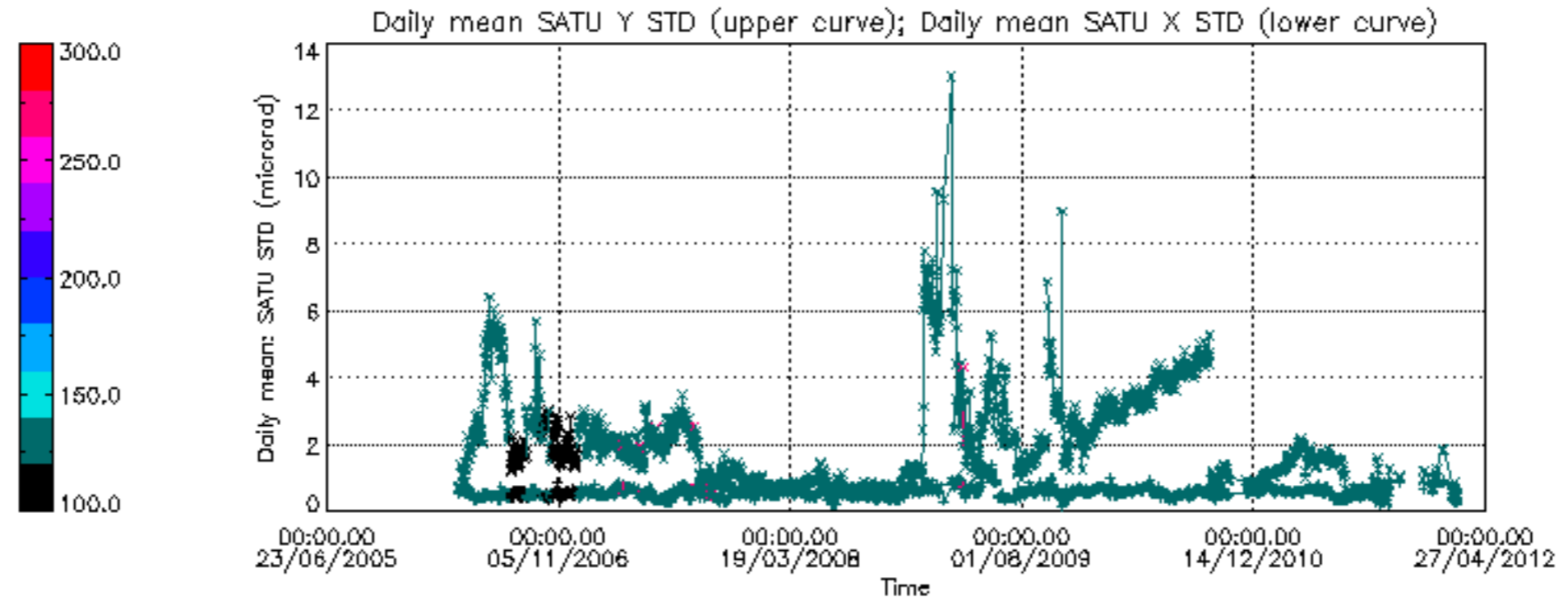


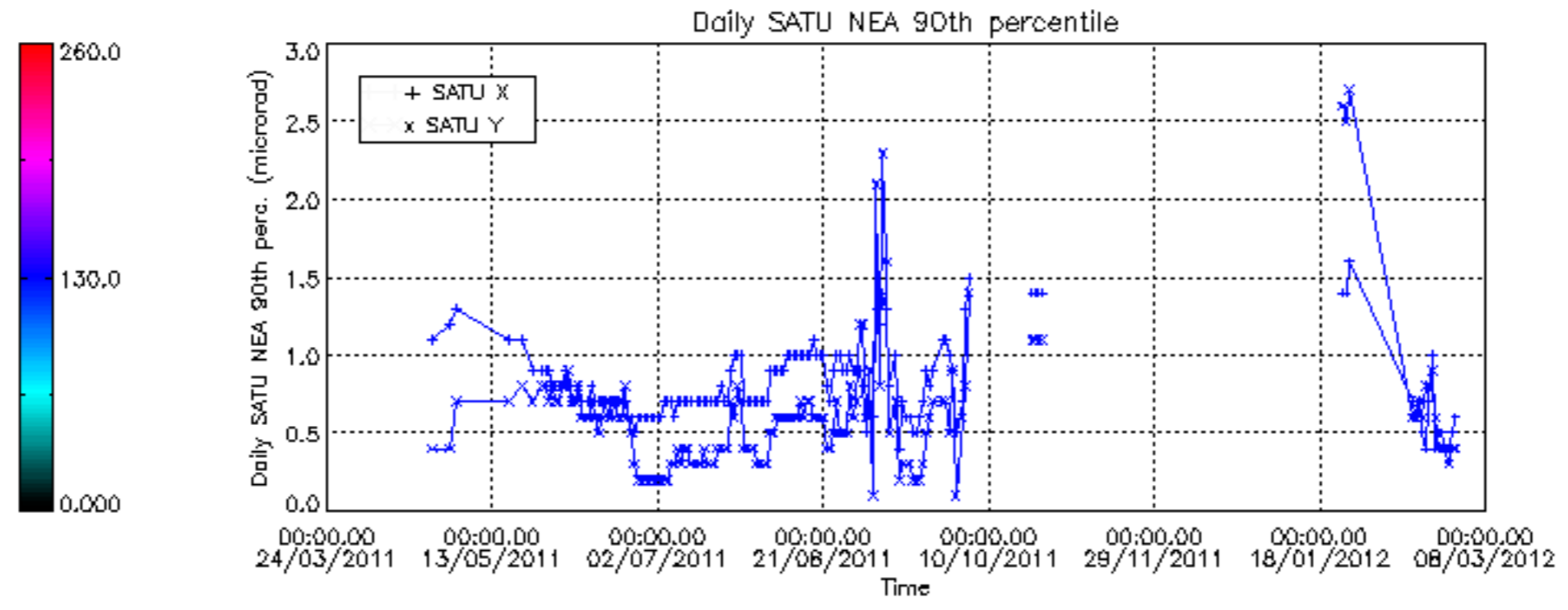
Tangent altitude at which the star is lost












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3; 583.5; 17-FEB-2012 15:06:35; Dark ; 42.0; 20; Bet Cru ; 1.25; 30000;occ; 84; 0;52137

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1; -298.5; 17-FEB-2012 16:32:07; Dark ; 42.0; 25; 35Lam Sco ; 1.62; 28000;occ; 84; 0;52137
2; 416.7; 17-FEB-2012 16:44:02; Dark ; 41.5; 10; Bet Cen ; 0.61; 28000;occ; 83; 0;52138
3; 584.0; 17-FEB-2012 16:46:50; Dark ; 47.5; 20; Bet Cru ; 1.25; 30000;occ; 95; 0;52138
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2; 417.3; 17-FEB-2012 18:24:17; Dark ; 48.0; 10; Bet Cen ; 0.61; 28000;occ; 96; 0;52139
3; 584.6; 17-FEB-2012 18:27:04; Dark ; 40.5; 20; Bet Cru ; 1.25; 30000;occ; 81; 0;52139
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1; -297.2; 17-FEB-2012 19:52:37; Dark ; 41.0; 25; 35Lam Sco ; 1.62; 28000;occ; 82; 0;52139
2; 418.0; 17-FEB-2012 20:04:32; Dark ; 47.0; 10; Bet Cen ; 0.61; 28000;occ; 94; 0;52140
3; 585.1; 17-FEB-2012 20:07:19; Dark ; 44.0; 20; Bet Cru ; 1.25; 30000;occ; 88; 0;52140
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1; -295.3; 18-FEB-2012 00:53:20; Dark ; 33.0; 25; 35Lam Sco ; 1.62; 28000;occ; 66; 0;52142
2; 419.8; 18-FEB-2012 01:05:15; Dark ; 45.0; 10; Bet Cen ; 0.61; 28000;occ; 90; 0;52143
3; 586.7; 18-FEB-2012 01:08:02; Dark ; 41.5; 20; Bet Cru ; 1.25; 30000;occ; 83; 0;52143
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2; 420.5; 18-FEB-2012 02:45:30; Dark ; 45.5; 10; Bet Cen ; 0.61; 28000;occ; 91; 0;52144
3; 587.3; 18-FEB-2012 02:48:16; Dark ; 48.0; 20; Bet Cru ; 1.25; 30000;occ; 96; 0;52144
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1; 430.8; 19-FEB-2012 07:09:37; Dark ; 46.5; 10; Bet Cen ; 0.61; 28000;occ; 93; 0;52161
/nas3/ENVISAT/GOMOS/GOM_NL__0P/GOM_NL__0PNPDK20120219_084951_000009403111_00424_52162_5628.N1
1; 431.5; 19-FEB-2012 08:49:51; Dark ; 41.0; 10; Bet Cen ; 0.61; 28000;occ; 82; 0;52162
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1; 432.0; 19-FEB-2012 10:30:06; Dark ; 53.0; 10; Bet Cen ; 0.61; 28000;occ; 106; 0;52163
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1; 434.4; 19-FEB-2012 17:11:04; Dark ; 41.5; 10; Bet Cen ; 0.61; 28000;occ; 83; 0;52167

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2; 6452.0; 20-FEB-2012 03:12:31; Dark ; 50.5; 10; Bet Cen ; 0.61; 28000;occ; 101; 0;52173

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2; -263.5; 20-FEB-2012 21:23:22; Dark ; 39.5; 85; Kap Sco ; 2.41; 28000;occ; 79; 0;52183
3; 444.5; 20-FEB-2012 21:35:10; Dark ; 41.0; 10; Bet Cen ; 0.61; 28000;occ; 82; 0;52184

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2; -262.8; 20-FEB-2012 23:03:37; Dark ; 40.0; 85; Kap Sco ; 2.41; 28000;occ; 80; 0;52184
3; 445.1; 20-FEB-2012 23:15:25; Dark ; 45.0; 10; Bet Cen ; 0.61; 28000;occ; 90; 0;52185

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2; 442.3; 20-FEB-2012 14:54:12; Dark ; 41.5; 10; Bet Cen ; 0.61; 28000;occ; 83; 0;52180

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2; 442.9; 20-FEB-2012 16:34:27; Dark ; 44.5; 10; Bet Cen ; 0.61; 28000;occ; 89; 0;52181

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2; -264.6; 20-FEB-2012 18:02:54; Dark ; 41.5; 85; Kap Sco ; 2.41; 28000;occ; 83; 0;52181
3; 443.4; 20-FEB-2012 18:14:42; Dark ; 41.5; 10; Bet Cen ; 0.61; 28000;occ; 83; 0;52182

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2; -264.1; 20-FEB-2012 19:43:08; Dark ; 40.5; 85; Kap Sco ; 2.41; 28000;occ; 81; 0;52182
3; 443.9; 20-FEB-2012 19:54:56; Dark ; 43.5; 10; Bet Cen ; 0.61; 28000;occ; 87; 0;52183

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2; 446.4; 21-FEB-2012 02:35:54; Dark ; 43.0; 10; Bet Cen ; 0.61; 28000;occ; 86; 0;52187

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2; -260.9; 21-FEB-2012 04:04:21; Dark ; 41.5; 85; Kap Sco ; 2.41; 28000;occ; 83; 0;52187
3; 447.1; 21-FEB-2012 04:16:09; Dark ; 52.5; 10; Bet Cen ; 0.61; 28000;occ; 105; 0;52188

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2; -260.1; 21-FEB-2012 05:44:35; Dark ; 41.5; 85; Kap Sco ; 2.41; 28000;occ; 83; 0;52188
3; 447.8; 21-FEB-2012 05:56:23; Dark ; 40.5; 10; Bet Cen ; 0.61; 28000;occ; 81; 0;52189

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1; -253.8; 21-FEB-2012 22:27:01; Dark ; 26.0; 85; Kap Sco ; 2.41; 28000;occ; 52; 0;52198
2; 453.7; 21-FEB-2012 22:38:48; Dark ; 44.5; 10; Bet Cen ; 0.61; 28000;occ; 89; 0;52199
3; 1734.3; 21-FEB-2012 23:00:09; Dark ; 41.5; 48; 30Alp Hya ; 1.98; 4100;occ; 83; 0;52199

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1; -435.1; 21-FEB-2012 07:21:54; Dark ; 45.5; 167; 10Gam2Sgr ; 2.98; 4500;occ; 91; 0;52189
2; -259.5; 21-FEB-2012 07:24:50; Dark ; 44.5; 85; Kap Sco ; 2.41; 28000;occ; 89; 0;52189
3; 448.4; 21-FEB-2012 07:36:38; Dark ; 48.0; 10; Bet Cen ; 0.61; 28000;occ; 96; 0;52190

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1; -434.6; 21-FEB-2012 09:02:09; Dark ; 43.0; 167; 10Gam2Sgr ; 2.98; 4500;occ; 86; 0;52190
2; -258.8; 21-FEB-2012 09:05:04; Dark ; 42.0; 85; Kap Sco ; 2.41; 28000;occ; 84; 0;52190


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3; 449.0; 21-FEB-2012 09:16:52; Dark ; 48.5; 10; Bet Cen ; 0.61; 28000;occ; 97; 0;52191
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2; -258.2; 21-FEB-2012 10:45:19; Dark ; 44.0; 85; Kap Sco ; 2.41; 28000;occ; 88; 0;52191
3; 449.6; 21-FEB-2012 10:57:07; Dark ; 43.0; 10; Bet Cen ; 0.61; 28000;occ; 86; 0;52192
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2; -257.5; 21-FEB-2012 12:25:33; Dark ; 41.0; 85; Kap Sco ; 2.41; 28000;occ; 82; 0;52192
3; 450.2; 21-FEB-2012 12:37:21; Dark ; 44.0; 10; Bet Cen ; 0.61; 28000;occ; 88; 0;52193
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2; -256.9; 21-FEB-2012 14:05:48; Dark ; 40.0; 85; Kap Sco ; 2.41; 28000;occ; 80; 0;52193
3; 450.7; 21-FEB-2012 14:17:36; Dark ; 45.0; 10; Bet Cen ; 0.61; 28000;occ; 90; 0;52194
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2; -256.2; 21-FEB-2012 15:46:03; Dark ; 41.0; 85; Kap Sco ; 2.41; 28000;occ; 82; 0;52194
3; 451.4; 21-FEB-2012 15:57:50; Dark ; 53.0; 10; Bet Cen ; 0.61; 28000;occ; 106; 0;52195
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2; -255.6; 21-FEB-2012 17:26:17; Dark ; 40.0; 85; Kap Sco ; 2.41; 28000;occ; 80; 0;52195
3; 451.9; 21-FEB-2012 17:38:05; Dark ; 42.5; 10; Bet Cen ; 0.61; 28000;occ; 85; 0;52196
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2; -255.2; 21-FEB-2012 19:06:32; Dark ; 35.0; 85; Kap Sco ; 2.41; 28000;occ; 70; 0;52196
3; 452.4; 21-FEB-2012 19:18:19; Dark ; 41.0; 10; Bet Cen ; 0.61; 28000;occ; 82; 0;52197
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2; 5759.5; 21-FEB-2012 20:46:46; Dark ; 31.0; 85; Kap Sco ; 2.41; 28000;occ; 62; 0;52197
3; 6467.1; 21-FEB-2012 20:58:34; Dark ; 43.0; 10; Bet Cen ; 0.61; 28000;occ; 86; 0;52198
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2; 462.2; 22-FEB-2012 22:02:12; Dark ; 46.5; 10; Bet Cen ; 0.61; 28000;occ; 93; 0;52213
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2; 462.7; 22-FEB-2012 23:42:26; Dark ; 43.0; 10; Bet Cen ; 0.61; 28000;occ; 86; 0;52214
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2; 480.5; 25-FEB-2012 01:49:42; Dark ; 45.5; 10; Bet Cen ; 0.61; 28000;occ; 91; 0;52244
3; 699.5; 25-FEB-2012 01:53:21; Dark ; 55.0; 26; Gam Cru ; 1.62; 2900;occ; 110; 0;52244
4; 5569.5; 25-FEB-2012 03:14:31; Dark ; 42.0; 116; 19Del Sgr ; 2.70; 4100;occ; 84; 0;52244
5; 6495.1; 25-FEB-2012 03:29:56; Dark ; 42.5; 10; Bet Cen ; 0.61; 28000;occ; 85; 0;52245
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1; 515.2; 29-FEB-2012 04:23:59; Dark ; 45.5; 10; Bet Cen ; 0.61; 28000;occ; 91; 0;52303
/nas3/ENVISAT/GOMOS/GOM_NL__0P/GOM_NL__0PNPDE20120229_060414_000000463112_00135_52304_6687.N1
1; 515.8; 29-FEB-2012 06:04:14; Dark ; 46.5; 10; Bet Cen ; 0.61; 28000;occ; 93; 0;52304
/nas3/ENVISAT/GOMOS/GOM_NL__0P/GOM_NL__0PNPDE20120229_224639_000000443112_00145_52314_6688.N1
1; 521.3; 29-FEB-2012 22:46:39; Dark ; 45.0; 10; Bet Cen ; 0.61; 28000;occ; 90; 0;52314
/nas3/ENVISAT/GOMOS/GOM_NL__0P/GOM_NL__0PNPDK20120229_074428_000000393112_00136_52305_5711.N1
1; 516.4; 29-FEB-2012 07:44:28; Dark ; 39.5; 10; Bet Cen ; 0.61; 28000;occ; 79; 0;52305
/nas3/ENVISAT/GOMOS/GOM_NL__0P/GOM_NL__0PNPDK20120229_110457_000000503112_00138_52307_5713.N1
1; 517.5; 29-FEB-2012 11:04:57; Dark ; 51.0; 10; Bet Cen ; 0.61; 28000;occ; 102; 0;52307
/nas3/ENVISAT/GOMOS/GOM_NL__0P/GOM_NL__0PNPDK20120229_124512_000000413112_00139_52308_5714.N1
1; 518.1; 29-FEB-2012 12:45:12; Dark ; 42.0; 10; Bet Cen ; 0.61; 28000;occ; 84; 0;52308
/nas3/ENVISAT/GOMOS/GOM_NL__0P/GOM_NL__0PNPDK20120229_142526_000000443112_00140_52309_5715.N1
1; 518.7; 29-FEB-2012 14:25:26; Dark ; 45.0; 10; Bet Cen ; 0.61; 28000;occ; 90; 0;52309
/nas3/ENVISAT/GOMOS/GOM_NL__0P/GOM_NL__0PNPDK20120229_160541_000000433112_00141_52310_5716.N1
1; 519.2; 29-FEB-2012 16:05:41; Dark ; 43.5; 10; Bet Cen ; 0.61; 28000;occ; 87; 0;52310
/nas3/ENVISAT/GOMOS/GOM_NL__0P/GOM_NL__0PNPDK20120229_174555_000000463112_00142_52311_5717.N1
1; 519.8; 29-FEB-2012 17:45:55; Dark ; 47.0; 10; Bet Cen ; 0.61; 28000;occ; 94; 0;52311
/nas3/ENVISAT/GOMOS/GOM_NL__0P/GOM_NL__0PNPDK20120229_192610_000000443112_00143_52312_5718.N1
1; 520.2; 29-FEB-2012 19:26:10; Dark ; 44.5; 10; Bet Cen ; 0.61; 28000;occ; 89; 0;52312
/nas3/ENVISAT/GOMOS/GOM_NL__0P/GOM_NL__0PNPDK20120229_210624_000000403112_00144_52313_5719.N1
1; 520.7; 29-FEB-2012 21:06:24; Dark ; 41.0; 10; Bet Cen ; 0.61; 28000;occ; 82; 0;52313