

GOMOS Daily Report 12-MAR-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	15MAR2012 07:01:09
Data source version	GOMOS/6.01
Start time of products	12MAR2012 00:17:20
Stop time of products	12MAR2012 23:40:45
Store outputs in DB	Yes
Nb of level 1b prods	19
Nb of prods with errors	0

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

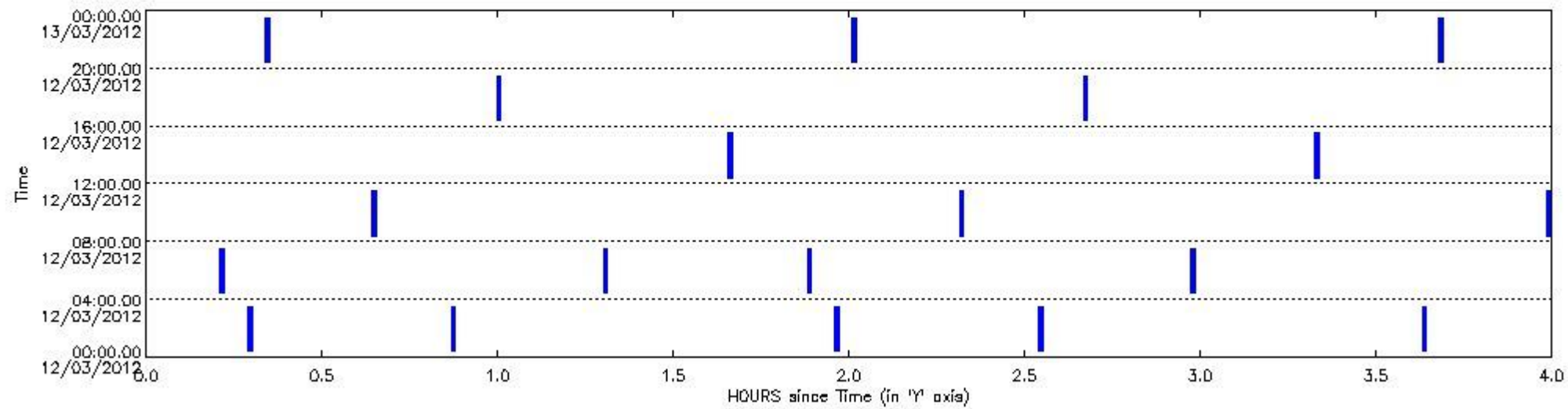
2.1 Level 0 products arrived in PCF (see template [here](#))

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)

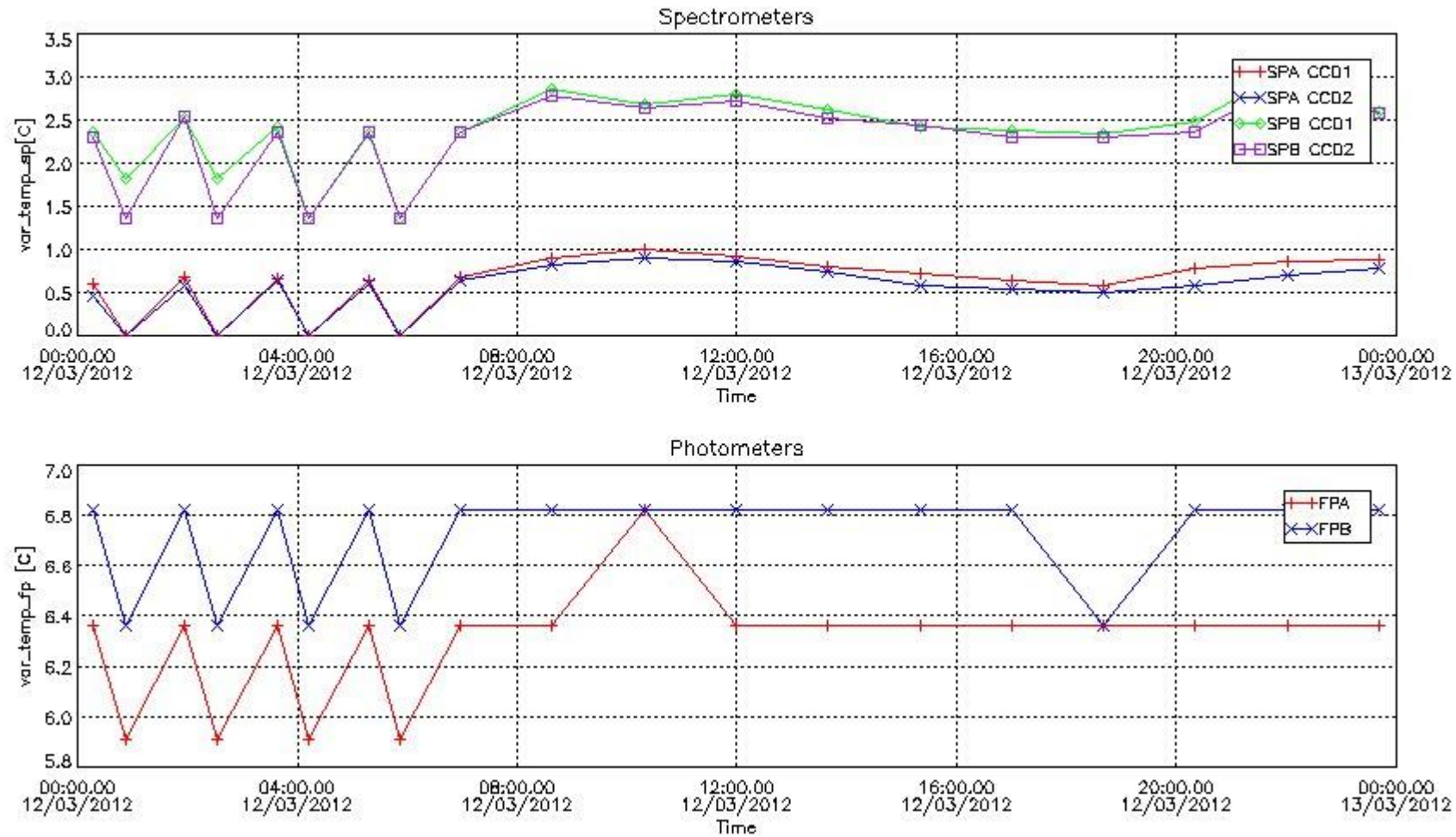
No missing products.

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_1PNPDE20120312_001720_000000433112_00304_52473_7943.N1	12-MAR-2012 00:17:20	Dark	43.000	141	Bet Ara	2.8400	4600.0	86	52473	No
2	GOM_TRA_1PNPDE20120312_005208_000000383112_00304_52473_7944.N1	12-MAR-2012 00:52:08	Bright	38.000	51	41Gam1Leo	2.0100	4500.0	76	52473	No
3	GOM_TRA_1PNPDE20120312_015735_000000413112_00305_52474_7973.N1	12-MAR-2012 01:57:35	Dark	41.000	141	Bet Ara	2.8400	4600.0	82	52474	No
4	GOM_TRA_1PNPDE20120312_023222_000000393112_00305_52474_7974.N1	12-MAR-2012 02:32:22	Bright	39.000	51	41Gam1Leo	2.0100	4500.0	78	52474	No
5	GOM_TRA_1PNPDE20120312_033750_000000453112_00306_52475_8021.N1	12-MAR-2012 03:37:50	Dark	44.500	141	Bet Ara	2.8400	4600.0	89	52475	No
6	GOM_TRA_1PNPDE20120312_041236_000000393112_00306_52475_8022.N1	12-MAR-2012 04:12:36	Bright	39.000	51	41Gam1Leo	2.0100	4500.0	78	52475	No
7	GOM_TRA_1PNPDE20120312_051804_000000413112_00307_52476_8068.N1	12-MAR-2012 05:18:04	Dark	41.000	141	Bet Ara	2.8400	4600.0	82	52476	No
8	GOM_TRA_1PNPDE20120312_055250_000000393112_00307_52476_8069.N1	12-MAR-2012 05:52:50	Bright	39.000	51	41Gam1Leo	2.0100	4500.0	78	52476	No
9	GOM_TRA_1PNPDK20120312_065819_000000433112_00308_52477_3218.N1	12-MAR-2012 06:58:19	Dark	42.500	141	Bet Ara	2.8400	4600.0	85	52477	No
10	GOM_TRA_1PNPDK20120312_083833_000000443112_00309_52478_3251.N1	12-MAR-2012 08:38:33	Dark	43.500	141	Bet Ara	2.8400	4600.0	87	52478	No
11	GOM_TRA_1PNPDK20120312_101848_000000443112_00310_52479_3283.N1	12-MAR-2012 10:18:48	Dark	44.000	141	Bet Ara	2.8400	4600.0	88	52479	No
12	GOM_TRA_1PNPDK20120312_115903_000000403112_00311_52480_3321.N1	12-MAR-2012 11:59:03	Dark	40.000	141	Bet Ara	2.8400	4600.0	80	52480	No

13	GOM_TRA_1PNPDK20120312_133917_000000423112_00312_52481_3364.N1	12-MAR-2012 13:39:17	Dark	42.000	141	Bet Ara	2.8400	4600.0	84	52481	No
14	GOM_TRA_1PNPDK20120312_151932_000000433112_00313_52482_3398.N1	12-MAR-2012 15:19:32	Dark	43.000	141	Bet Ara	2.8400	4600.0	86	52482	No
15	GOM_TRA_1PNPDK20120312_165946_000000423112_00314_52483_3437.N1	12-MAR-2012 16:59:46	Dark	42.000	141	Bet Ara	2.8400	4600.0	84	52483	No
16	GOM_TRA_1PNPDK20120312_184001_000000443112_00315_52484_3474.N1	12-MAR-2012 18:40:01	Dark	43.500	141	Bet Ara	2.8400	4600.0	87	52484	No
17	GOM_TRA_1PNPDK20120312_202016_000000453112_00316_52485_3507.N1	12-MAR-2012 20:20:16	Dark	45.000	141	Bet Ara	2.8400	4600.0	90	52485	No
18	GOM_TRA_1PNPDE20120312_220030_000000433112_00317_52486_8311.N1	12-MAR-2012 22:00:30	Dark	42.500	141	Bet Ara	2.8400	4600.0	85	52486	No
19	GOM_TRA_1PNPDE20120312_234045_000000413112_00318_52487_8341.N1	12-MAR-2012 23:40:45	Dark	41.000	141	Bet Ara	2.8400	4600.0	82	52487	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).

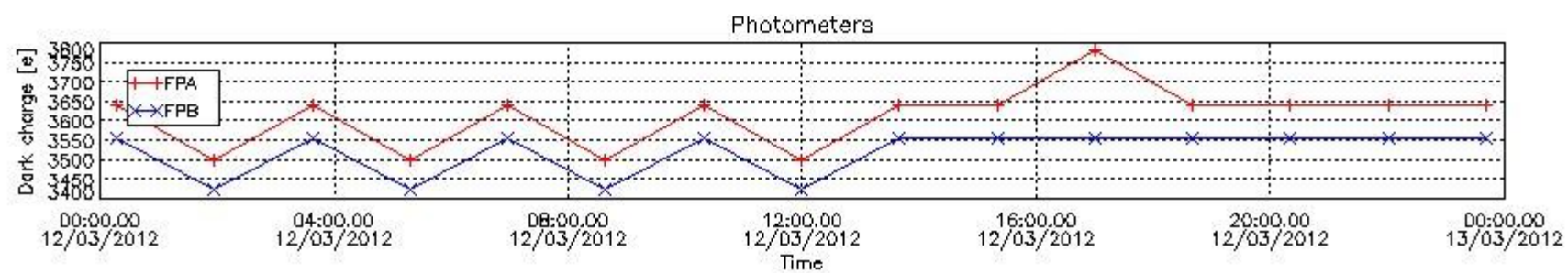
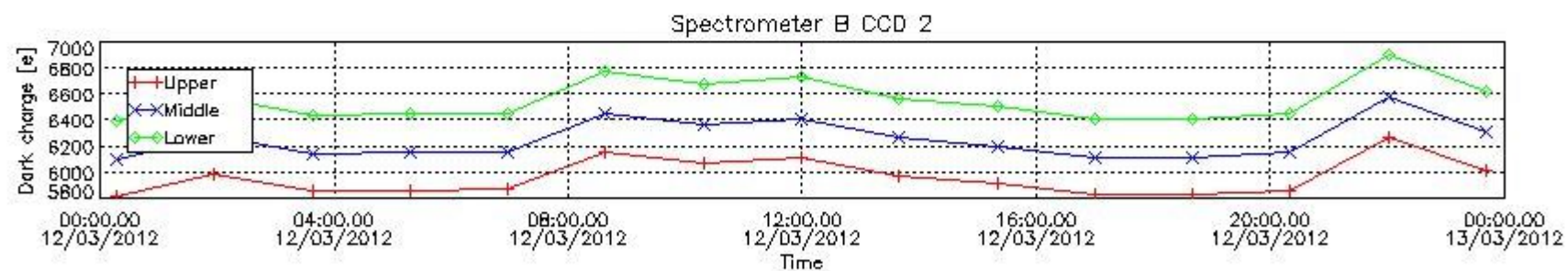
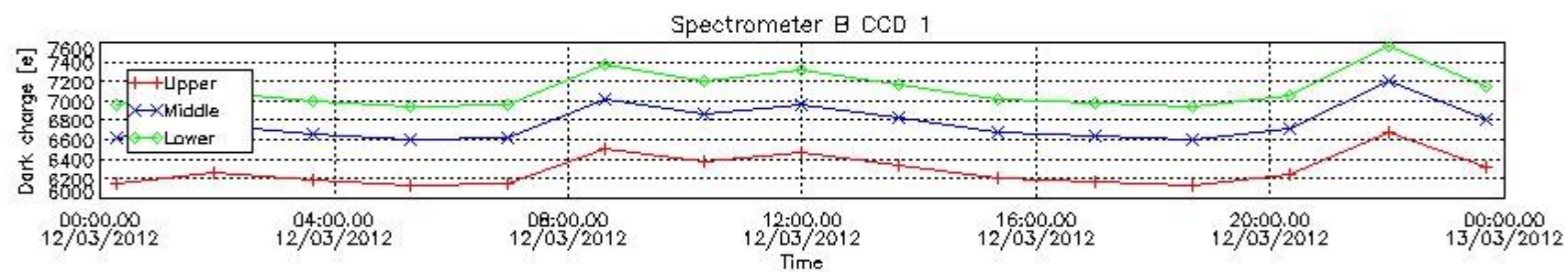
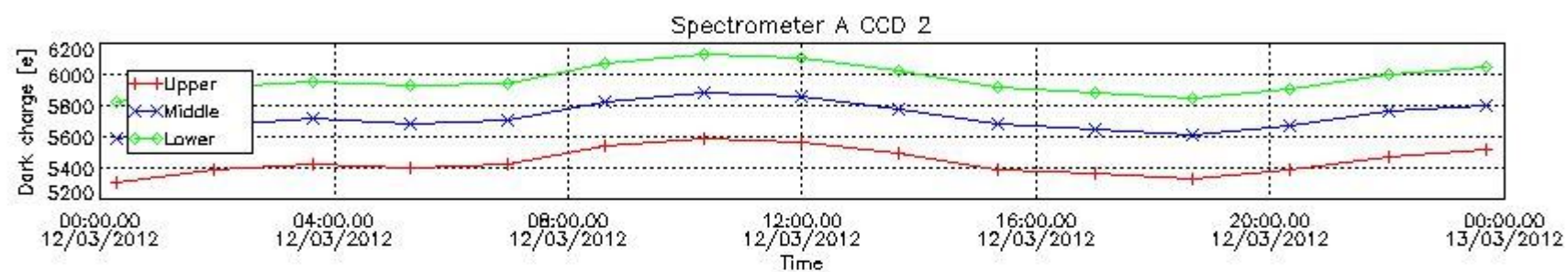
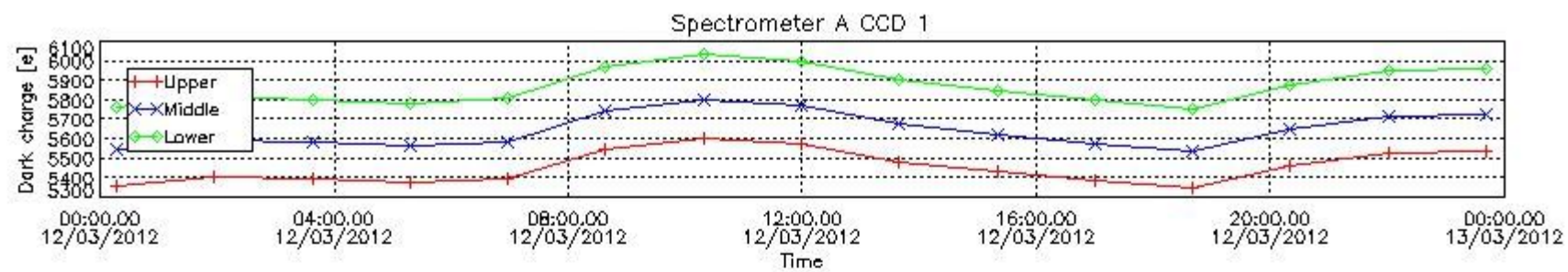
In this section a list of products that did not use the Dark Sky Area (DSA) observation for the DC computation is given. It is also provided the mean DC plot per product for dark limb products with no error flag set.

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

Product name	DC information
GOM_TRA_1PNPDE20120312_001720_000000433112_00304_52473_7943.N1	DC map used
GOM_TRA_1PNPDE20120312_005208_000000383112_00304_52473_7944.N1	DC map used
GOM_TRA_1PNPDE20120312_015735_000000413112_00305_52474_7973.N1	DC map used

GOM_TRA_1PNPDE20120312_023222_000000393112_00305_52474_7974.N1	DC map used
GOM_TRA_1PNPDE20120312_033750_000000453112_00306_52475_8021.N1	DC map used
GOM_TRA_1PNPDE20120312_041236_000000393112_00306_52475_8022.N1	DC map used
GOM_TRA_1PNPDE20120312_051804_000000413112_00307_52476_8068.N1	DC map used
GOM_TRA_1PNPDE20120312_055250_000000393112_00307_52476_8069.N1	DC map used
GOM_TRA_1PNPDK20120312_065819_000000433112_00308_52477_3218.N1	DC map used
GOM_TRA_1PNPDK20120312_083833_000000443112_00309_52478_3251.N1	DC map used
GOM_TRA_1PNPDK20120312_101848_000000443112_00310_52479_3283.N1	DC map used
GOM_TRA_1PNPDK20120312_115903_000000403112_00311_52480_3321.N1	DC map used
GOM_TRA_1PNPDK20120312_133917_000000423112_00312_52481_3364.N1	DC map used
GOM_TRA_1PNPDK20120312_151932_000000433112_00313_52482_3398.N1	DC map used
GOM_TRA_1PNPDK20120312_165946_000000423112_00314_52483_3437.N1	DC map used
GOM_TRA_1PNPDK20120312_184001_000000443112_00315_52484_3474.N1	DC map used
GOM_TRA_1PNPDK20120312_202016_000000453112_00316_52485_3507.N1	DC map used
GOM_TRA_1PNPDE20120312_220030_000000433112_00317_52486_8311.N1	DC map used
GOM_TRA_1PNPDE20120312_234045_000000413112_00318_52487_8341.N1	DC map used

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



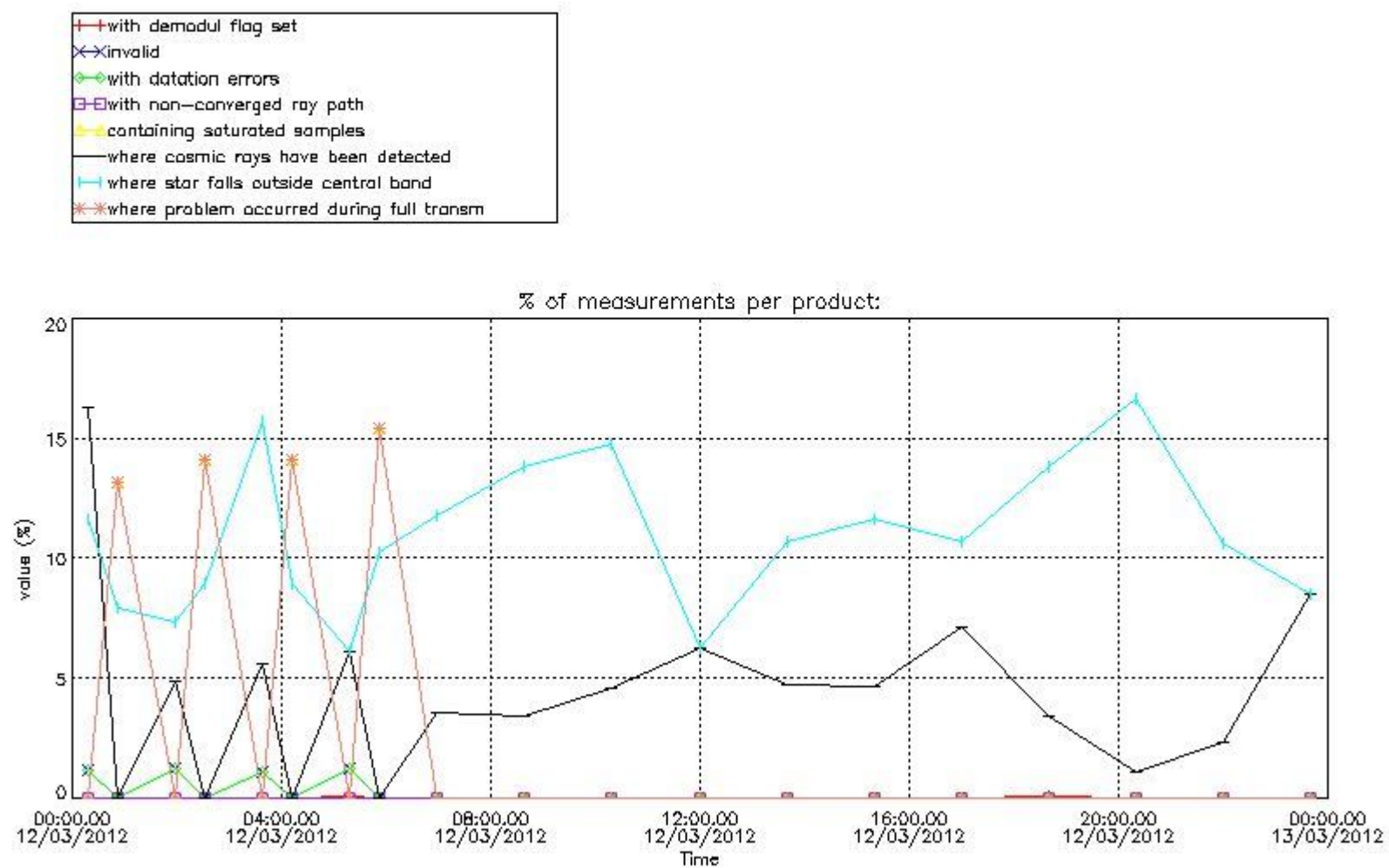
5. Demodulation flag and quality information monitoring

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.

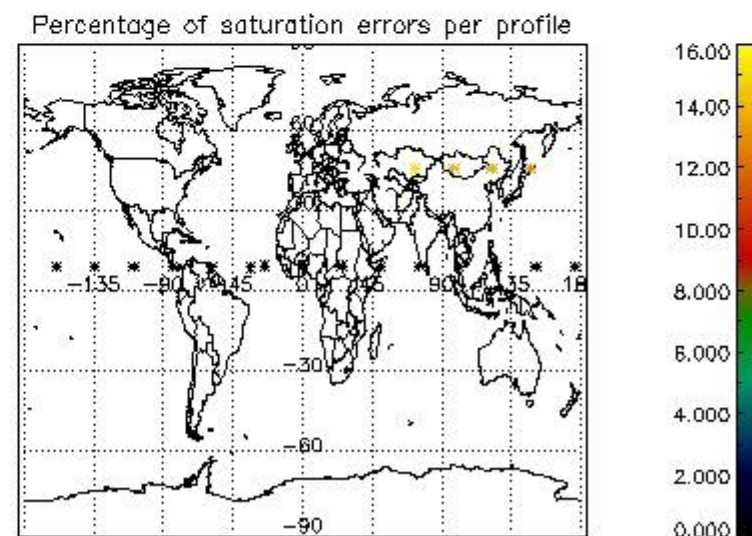
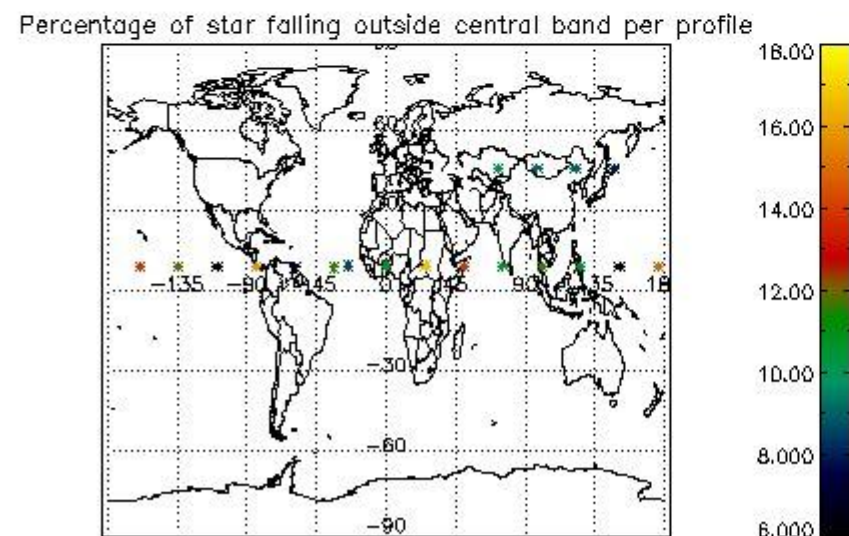
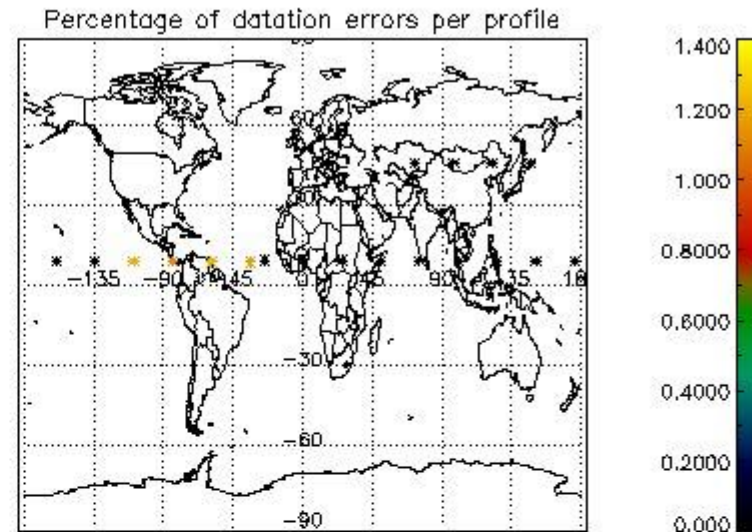
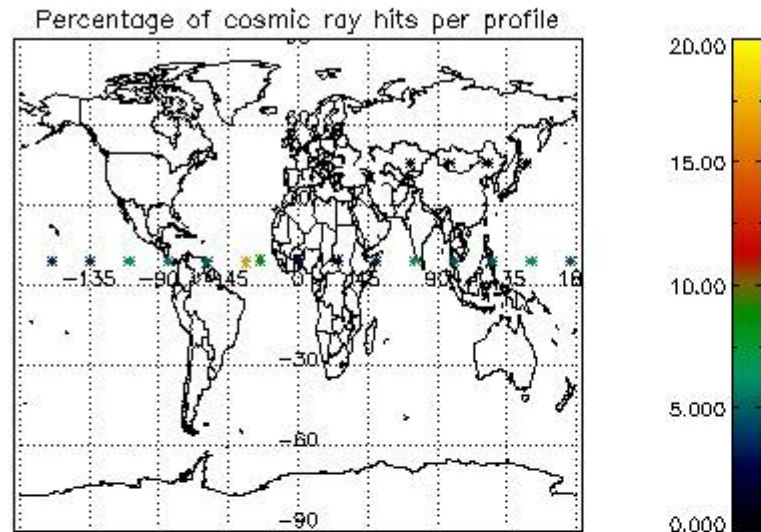
5.1 Percentage of products during reporting period with:

At least one measurement with demodulation flag set:	78.9474 %
Reference spectrum computed from DB:	0.00000 %
Reference spectrum with small number of measurements:	0.00000 %
SATU data not used:	21.0526 %

5.2 Plot quality information per product (time dependant)



5.3 Plot quality information per product (world map)



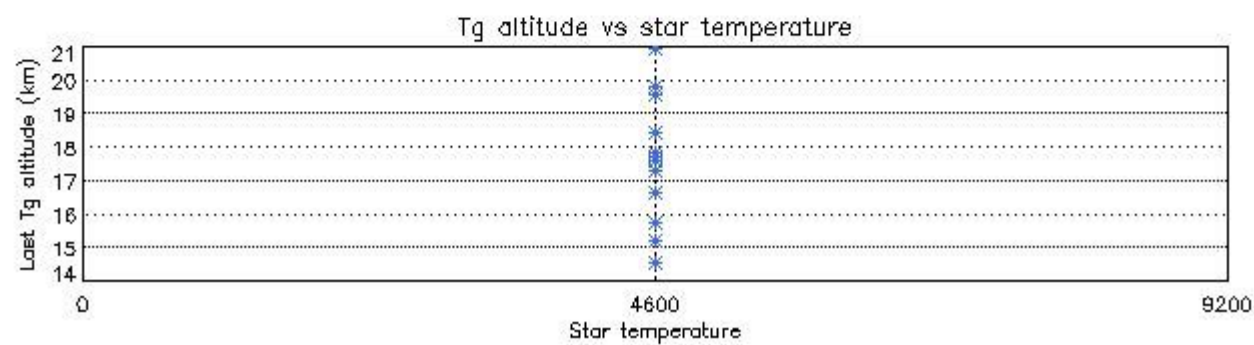
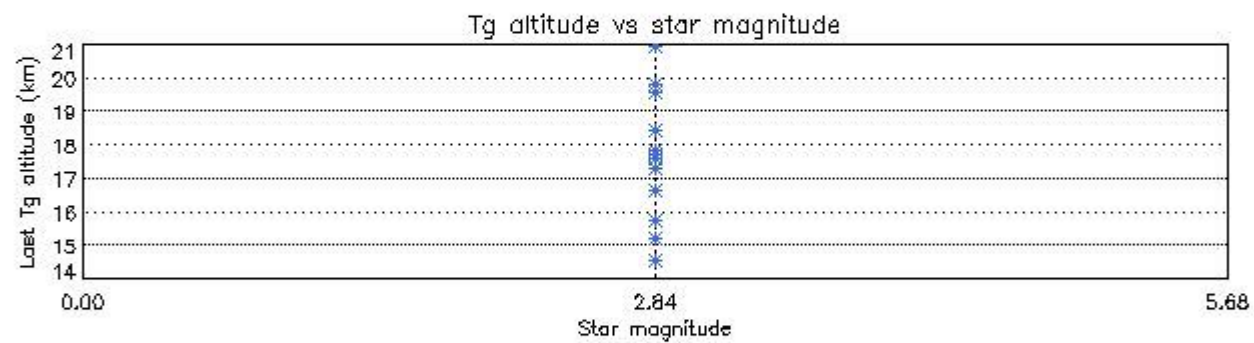
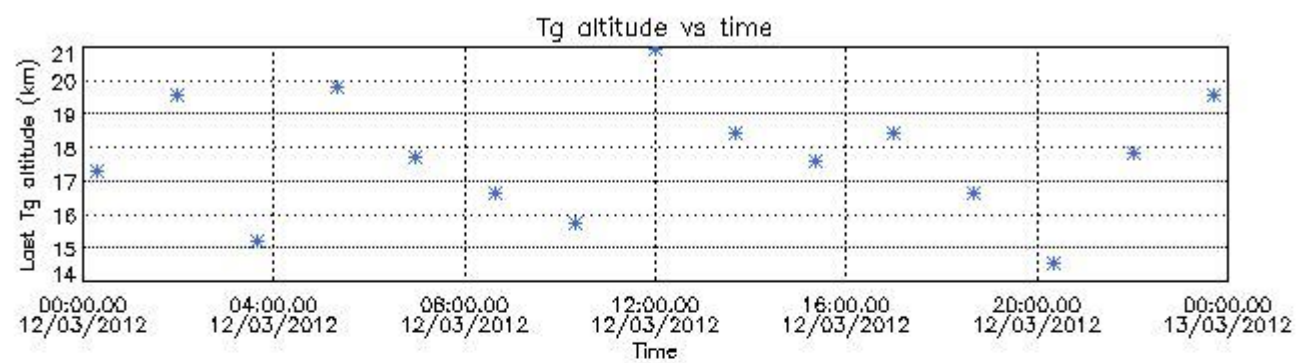
6. Statistics and plot of tangent altitude of the last measurement (DARK & BRIGHT products without errors)

6.1 Statistics on tangent altitude lost:

Statistics	DARK	BRIGHT	TWILIGHT
Mean:	17.719	18.132	NaN
St. deviation:	1.8073	0.75220	NaN
Maximum:	20.958	19.251	NaN
Minimum:	14.533	17.622	NaN
Number of data:	15.000	4.0000	NaN

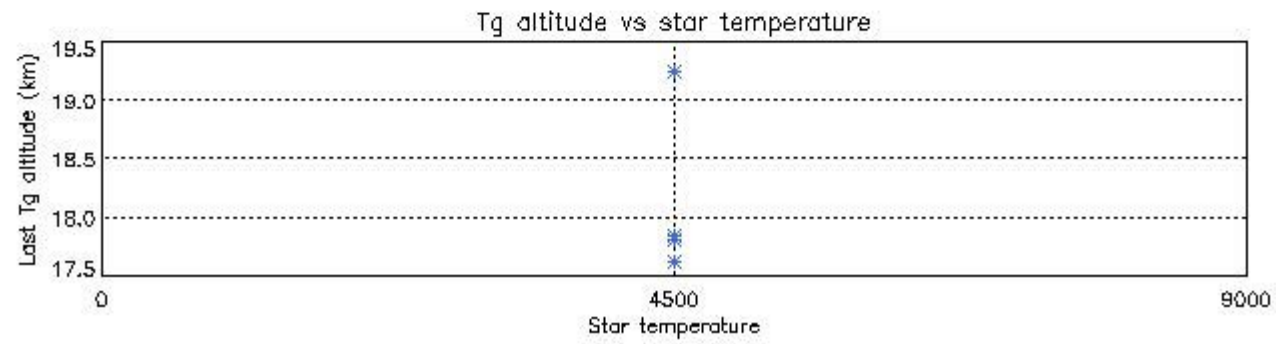
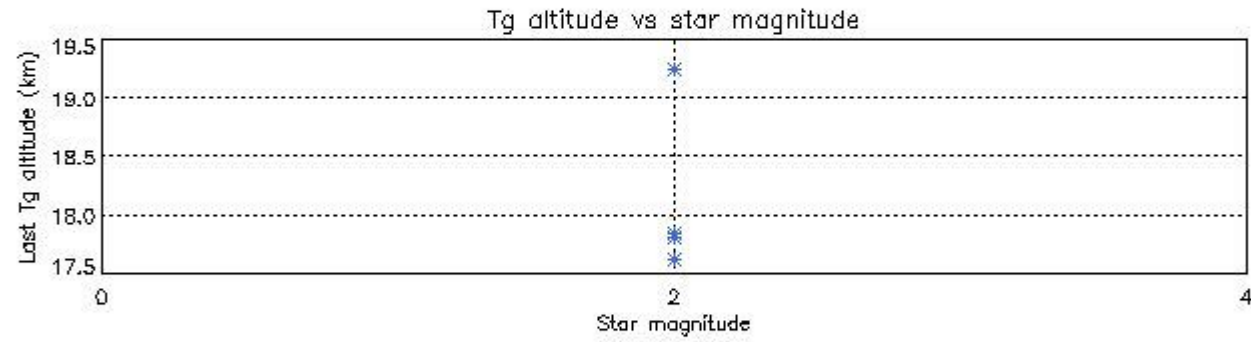
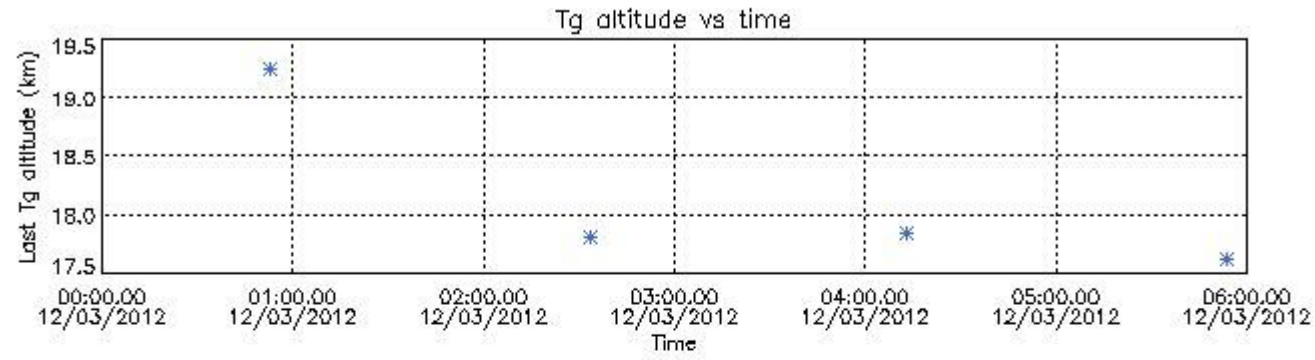
6.2 Plot for DARK limb products

Tangent altitude at which the star is lost



6.3 Plot for BRIGHT limb products

Tangent altitude at which the star is lost

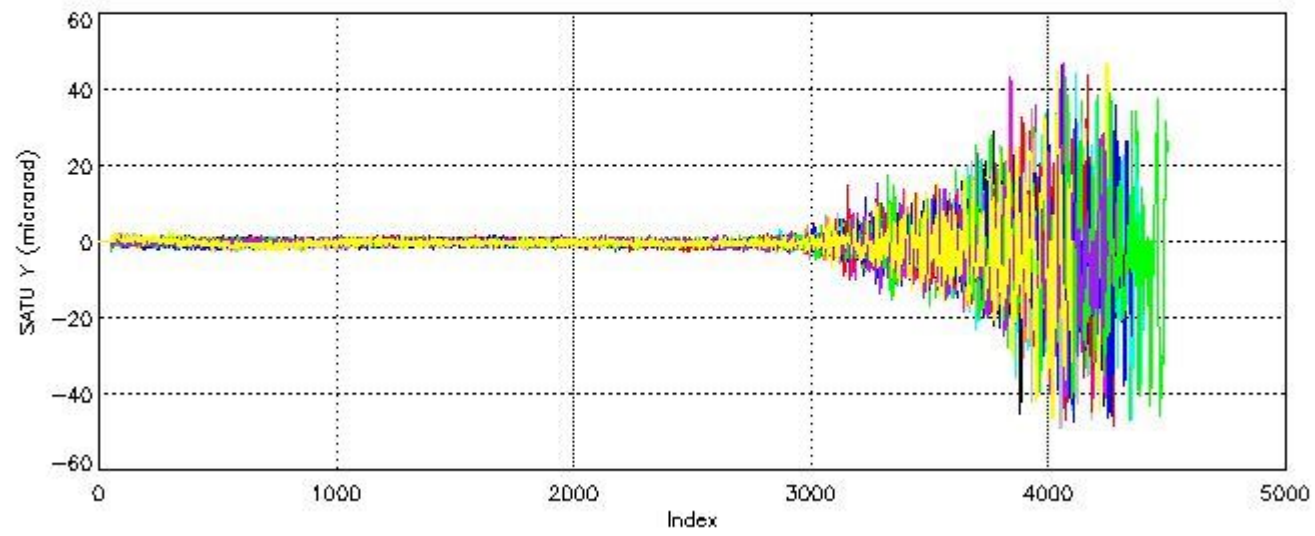
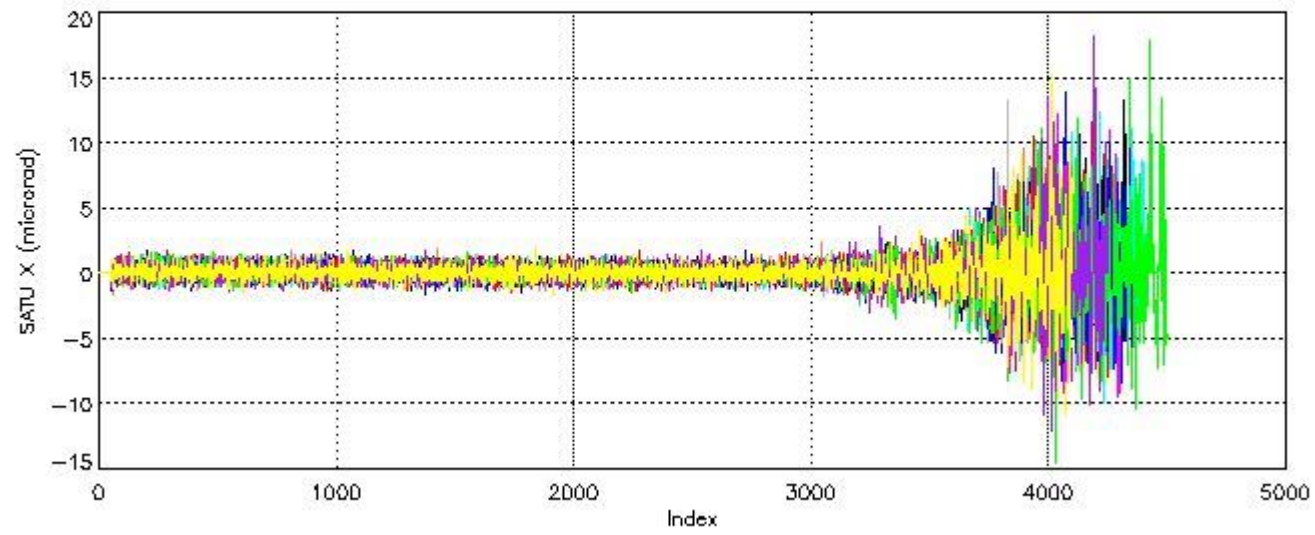


7. Star Acquisition and Tracking Unit (SATU)

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:	0.10189	-0.29614	0.25851	-0.38054
St. deviation:	0.43208	0.58385	0.33634	0.50884
Maximum:	1.8000	2.4000	1.4000	1.3000
Minimum:	-1.6000	-2.8000	-1.4000	-2.7000

Number of data:	14900.	14900.	3450.0	3450.0
90Percentile:	0.70000	0.40000	0.70000	0.20000

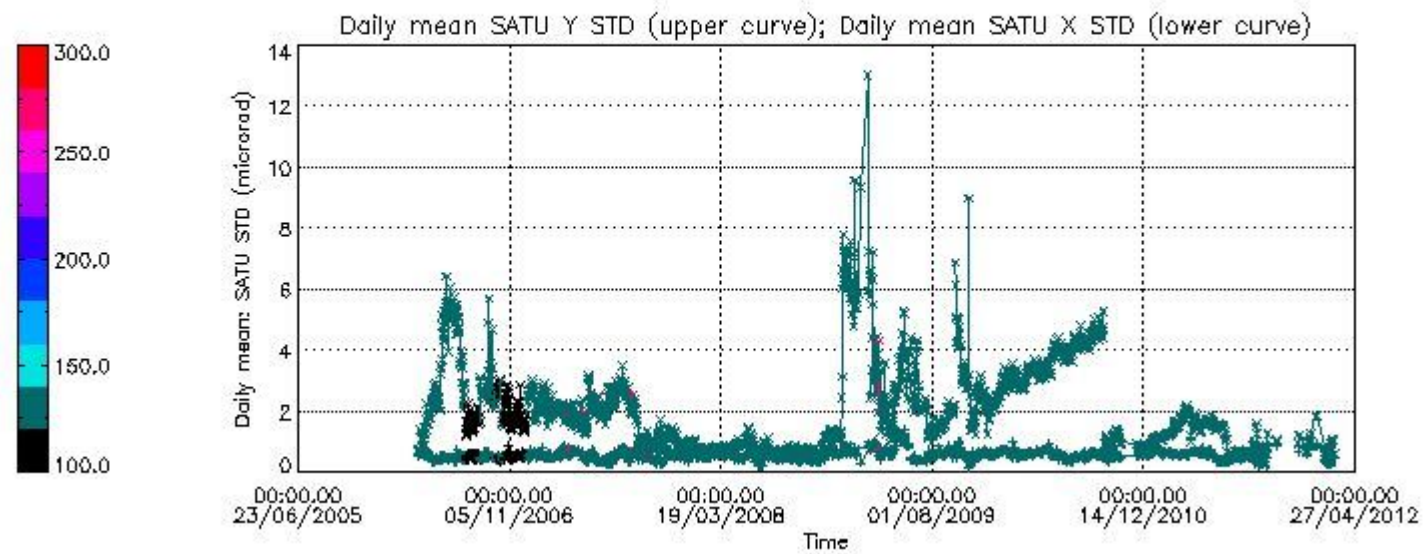
7.2.2 Trend of daily SATU NEA St. deviation since 1st April 2006 (dark limb) and of daily SATU NEA 90th percentile since May 2011

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.

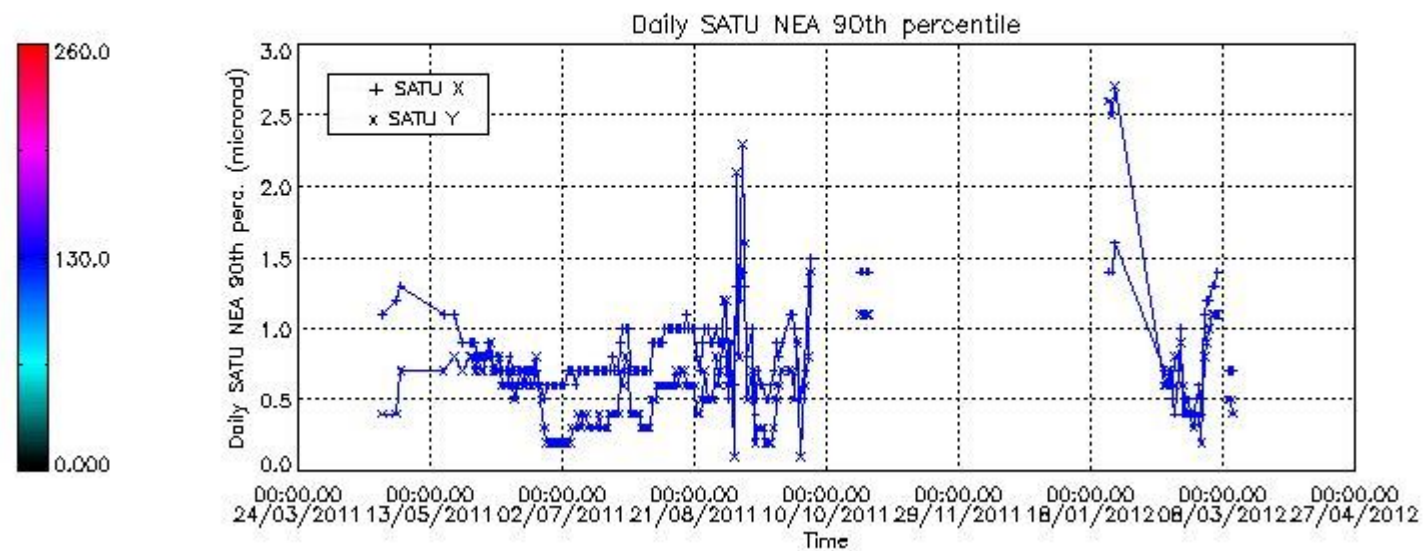
Upper curve: STD of SATU Y axis

Lower curve: STD of SATU X axis



Lower curve: 90th percentile of SATU Y axis

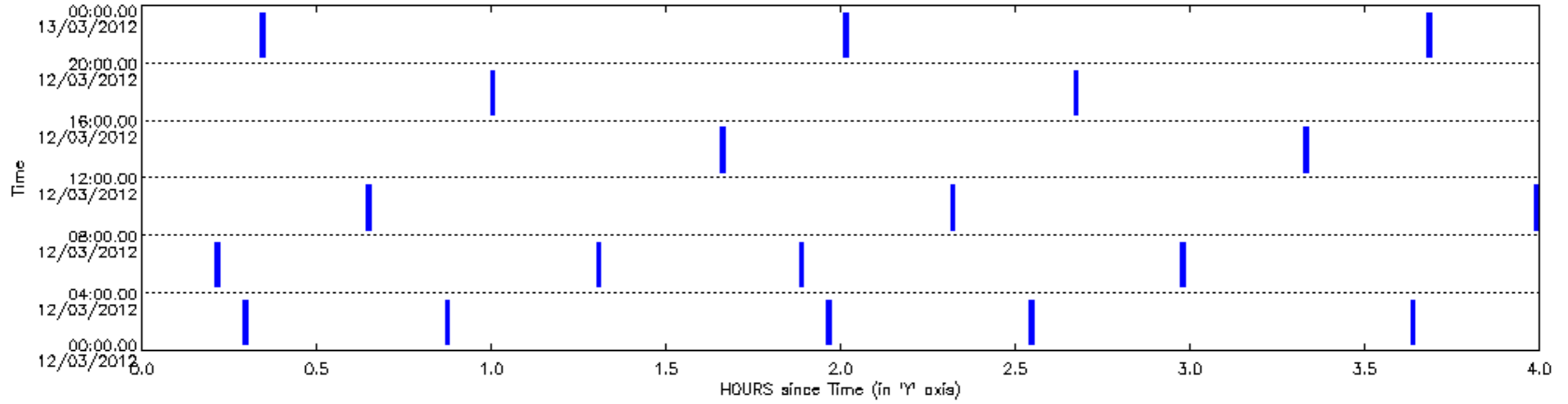
Upper curve: 90th percentile of SATU X axis

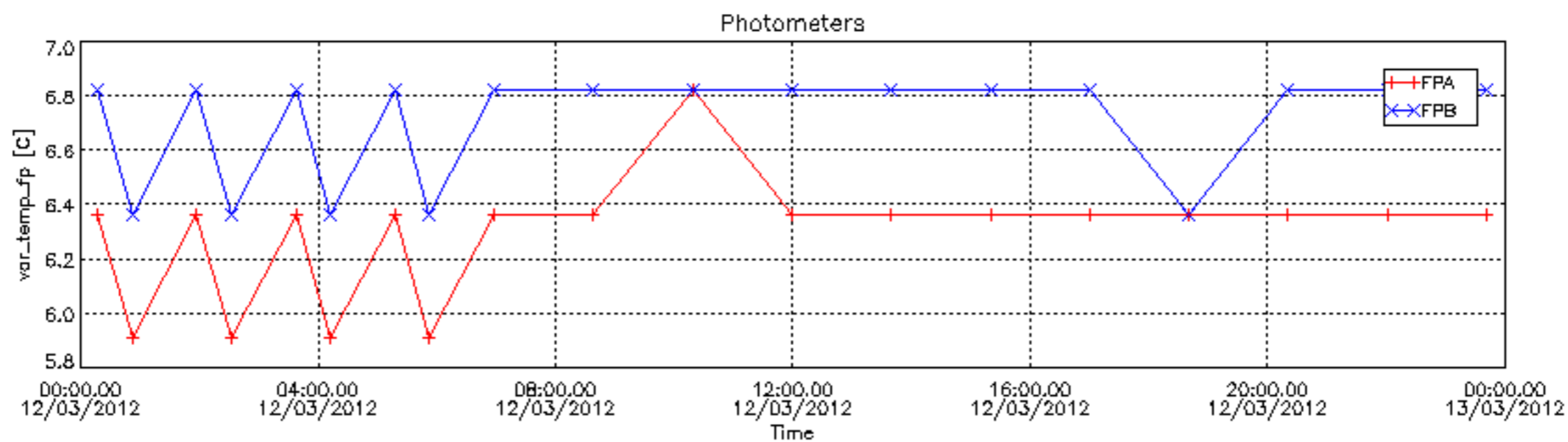
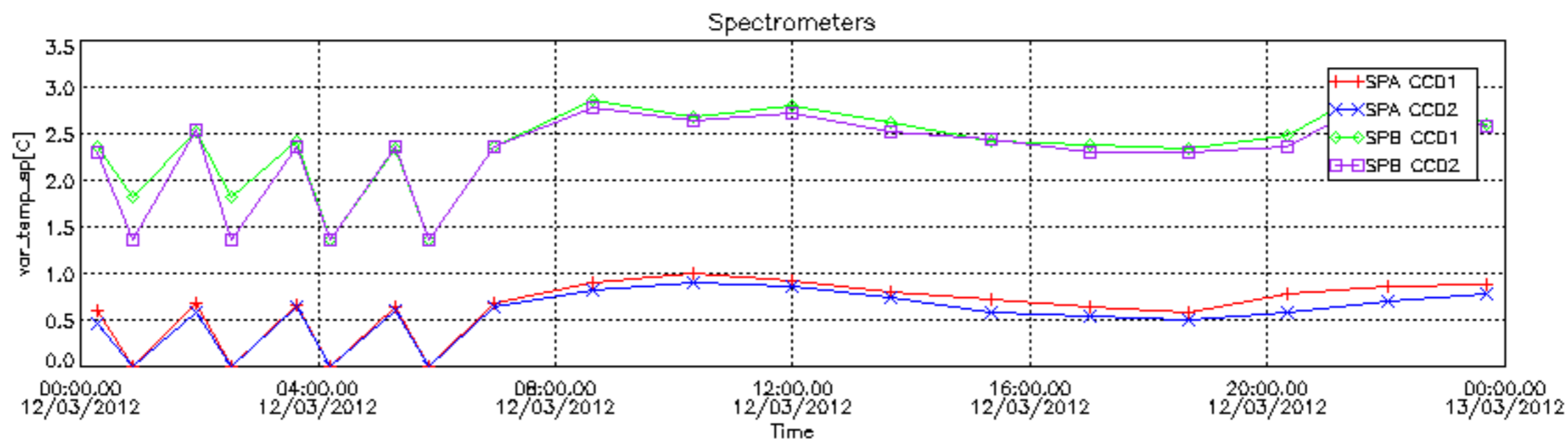


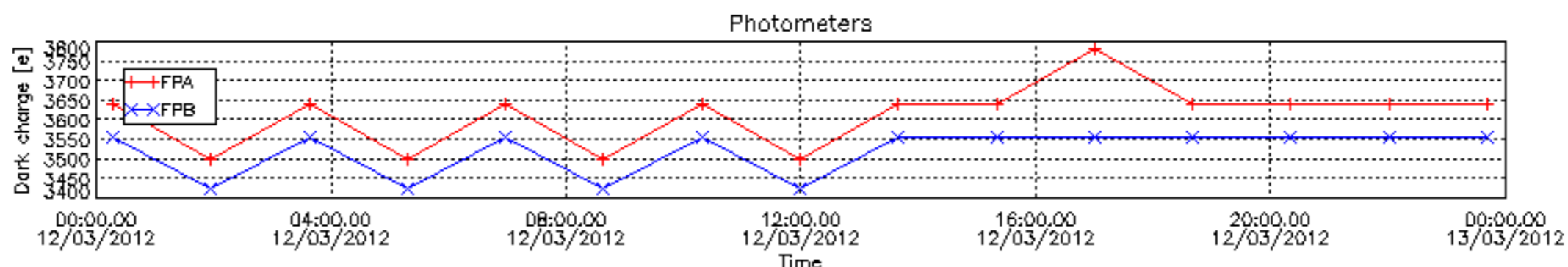
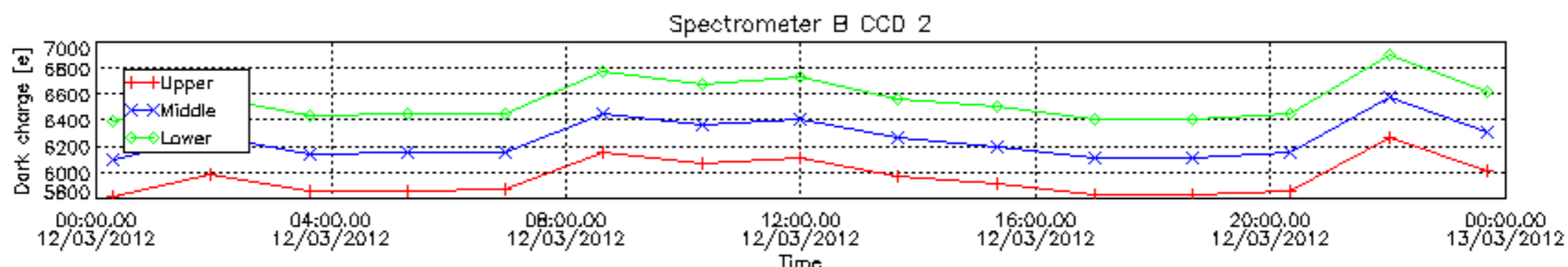
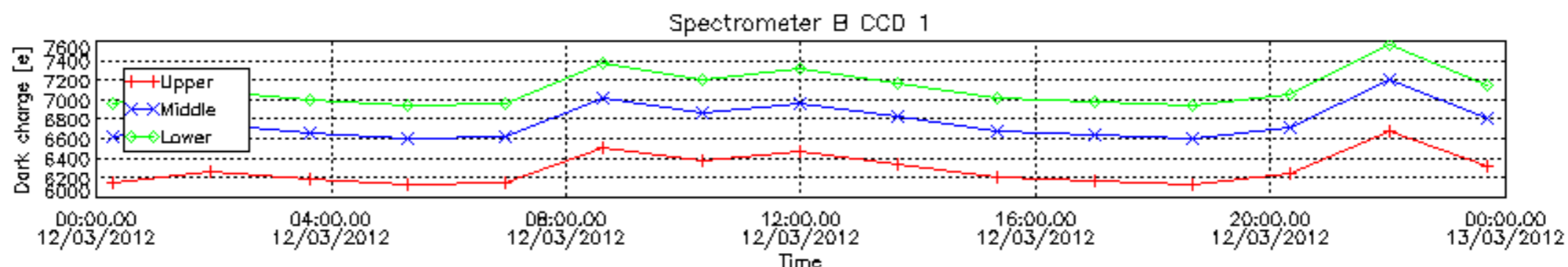
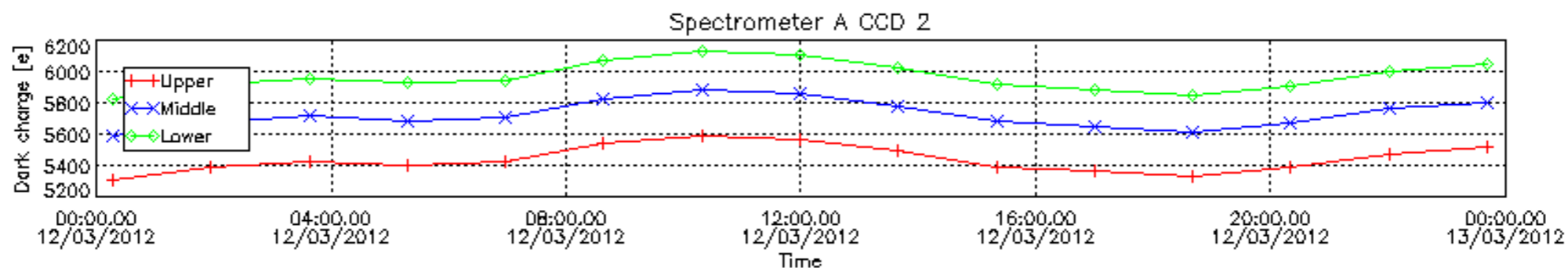
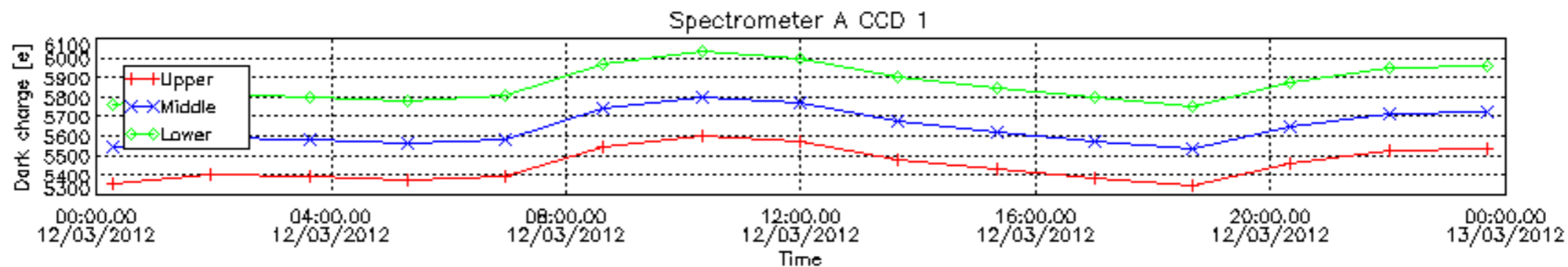
8. Auxiliary Data Files used for the production reported in section 2.4

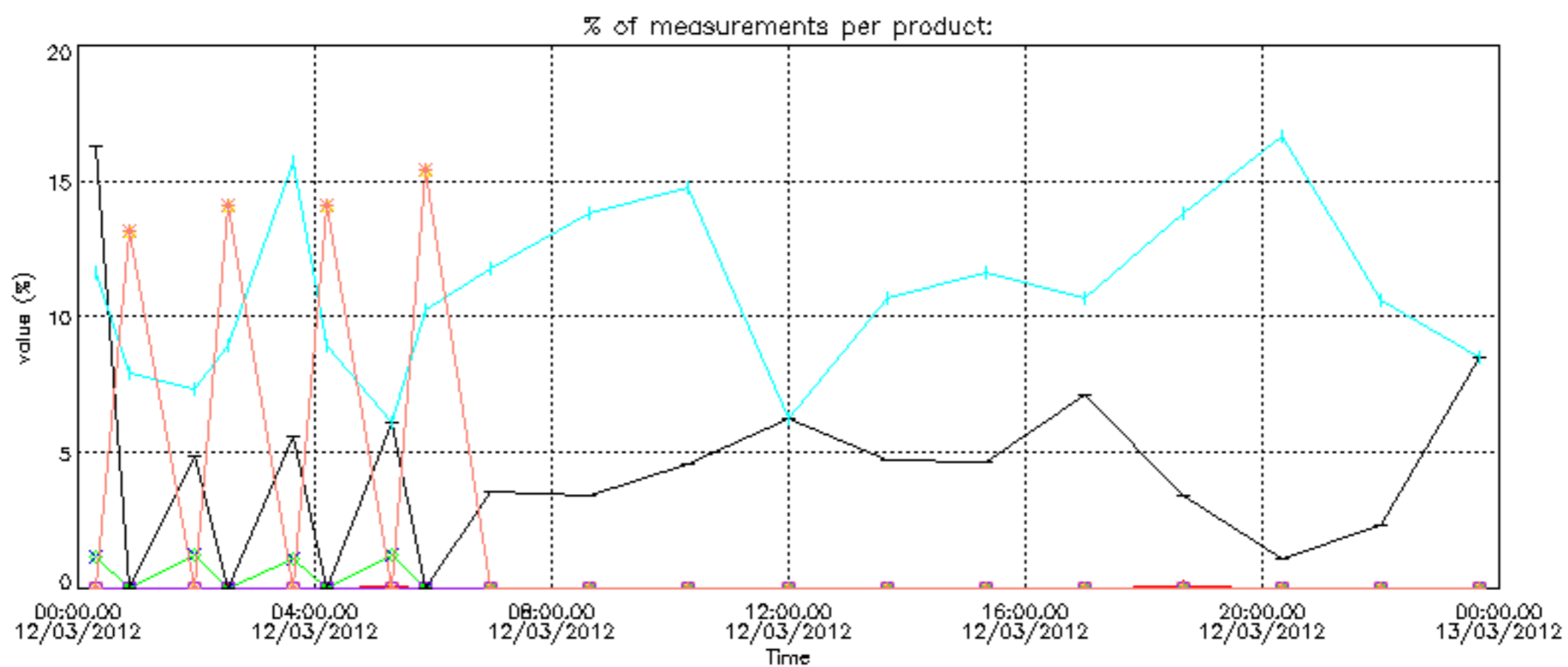
The number reported in the third column indicates since which file (see list in section 2.4) the corresponding auxiliary file has been used. The fourth column is the date of those product files.

Type	Auxiliary Filename	Used since product	Used since product date
INST_PHYS_CHARACTERISTICS	GOM_INS_AXVIEC20111213_163131_20111215_000000_20500101_000000	1	12-MAR-2012 00:17:20
CALIBRATION_DATABASE	GOM_CAL_AXVIEC20120307_084038_20120305_000000_20500101_000000	1	12-MAR-2012 00:17:20
LEVEL-1B_PROC_CONFIG	GOM_PR1_AXVIEC20110513_081743_20020301_000000_20500101_000000	1	12-MAR-2012 00:17:20
STAR_CATALOGUE	GOM_CAT_AXVIEC20020121_161009_20020101_000000_20200101_000000	1	12-MAR-2012 00:17:20
STELLAR_SPECTRA_DATABANK	GOM_STS_AXVIEC20091111_151504_20020101_160000_20500101_000000	1	12-MAR-2012 00:17:20
ECMWF_FILE	AUX_ECF_AXNECM20120311_062114_20120311_210000_20120312_090000	1	12-MAR-2012 00:17:20
ECMWF_FILE	AUX_ECF_AXNECM20120311_182116_20120312_030000_20120312_150000	5	12-MAR-2012 03:37:50
ECMWF_FILE	AUX_ECA_AXNECM20120312_060208_20120311_210000_20120312_090000	9	12-MAR-2012 06:58:19
ECMWF_FILE	AUX_ECF_AXNECM20120312_060209_20120312_090000_20120312_210000	11	12-MAR-2012 10:18:48
ECMWF_FILE	AUX_ECF_AXNECM20120312_060209_20120312_150000_20120313_030000	14	12-MAR-2012 15:19:32
ECMWF_FILE	AUX_ECA_AXNECM20120312_175630_20120312_090000_20120312_210000	16	12-MAR-2012 18:40:01
ECMWF_FILE	AUX_ECF_AXNECM20120312_060209_20120312_210000_20120313_090000	18	12-MAR-2012 22:00:30
OPTIONAL_ECMWF_FILE	MISSING	1	12-MAR-2012 00:17:20
ORBIT_DATA_FILE	AUX_FPO_AXVPDS20120308_232629_20120308_192413_20120318_213752	1	12-MAR-2012 00:17:20
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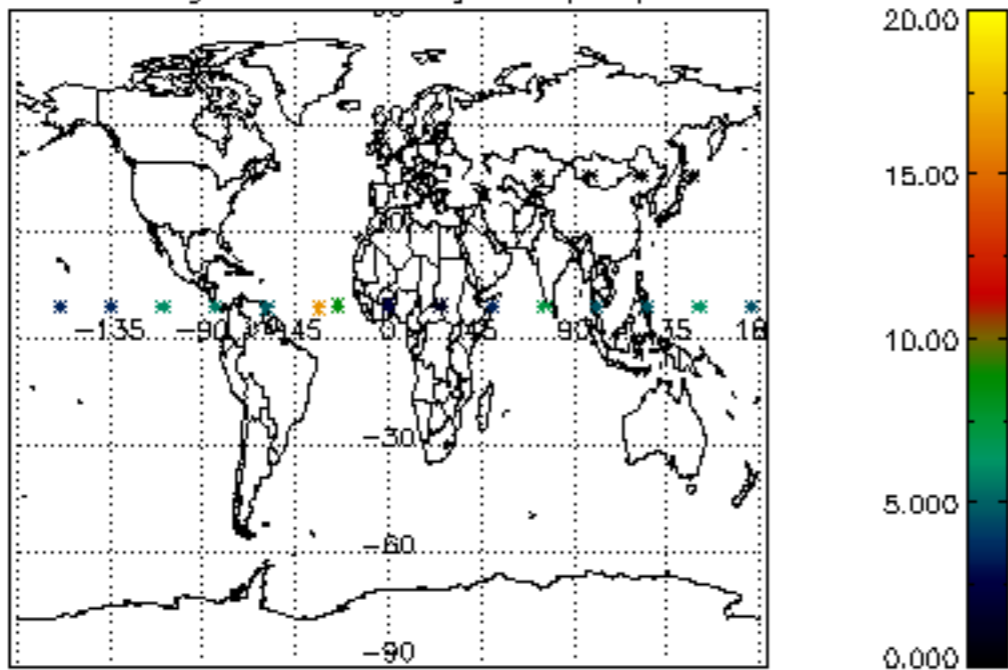




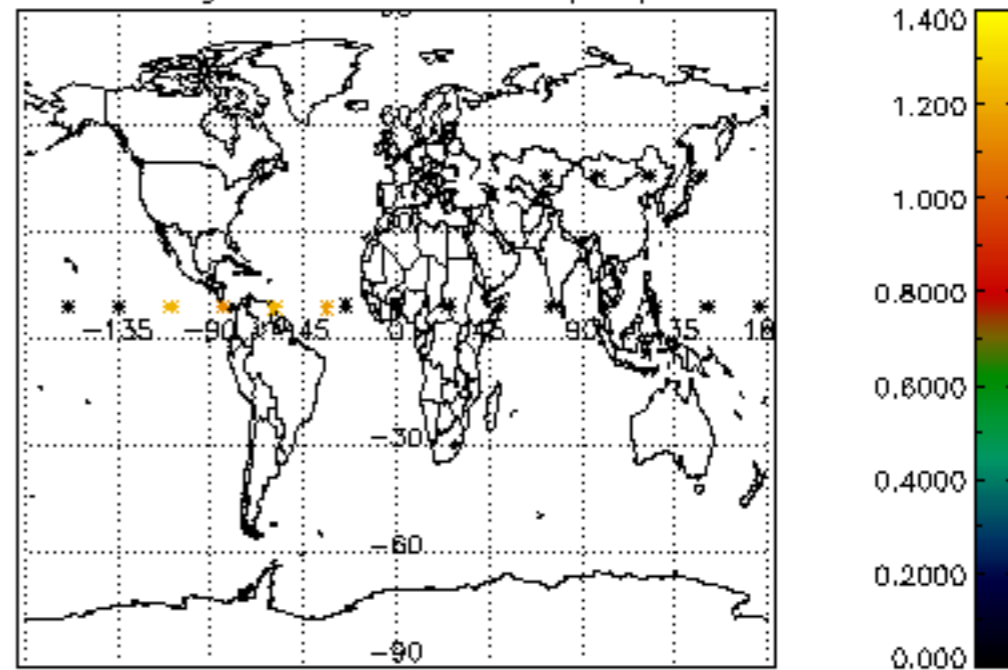




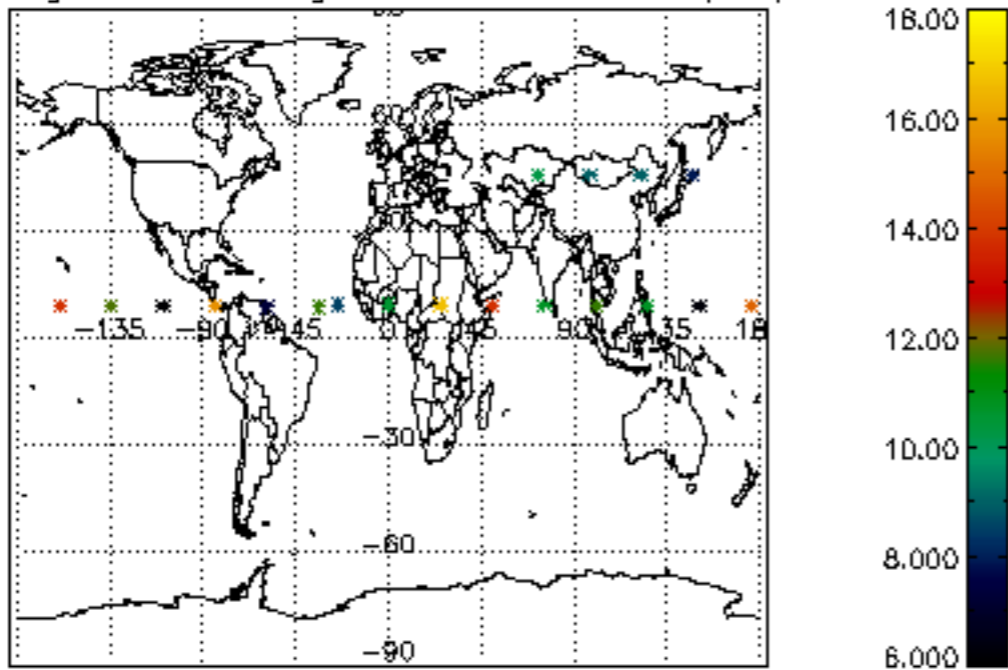
Percentage of cosmic ray hits per profile



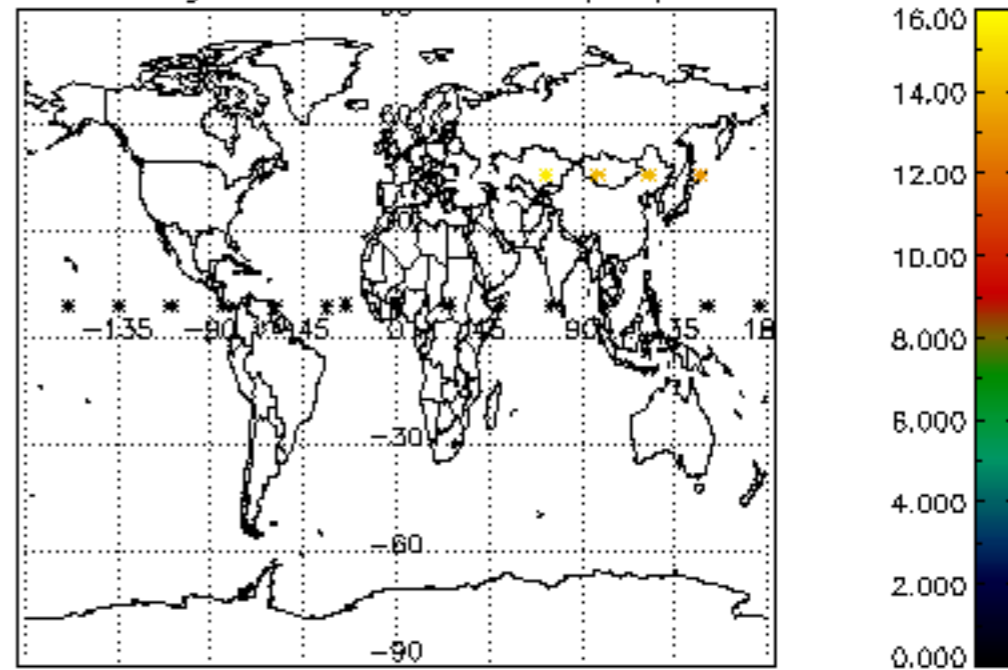
Percentage of datation errors per profile



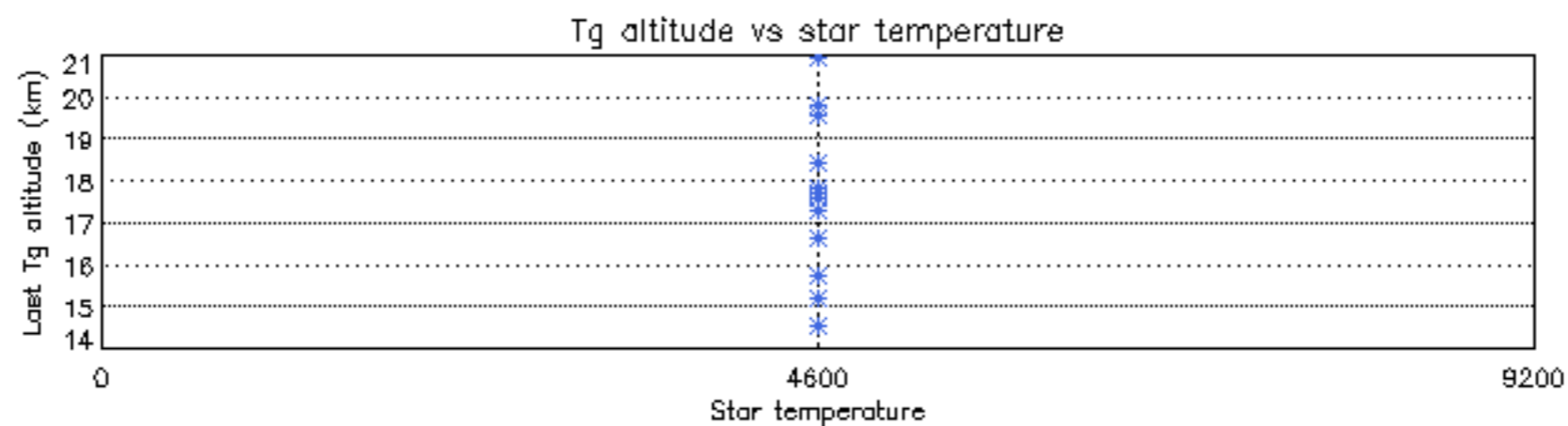
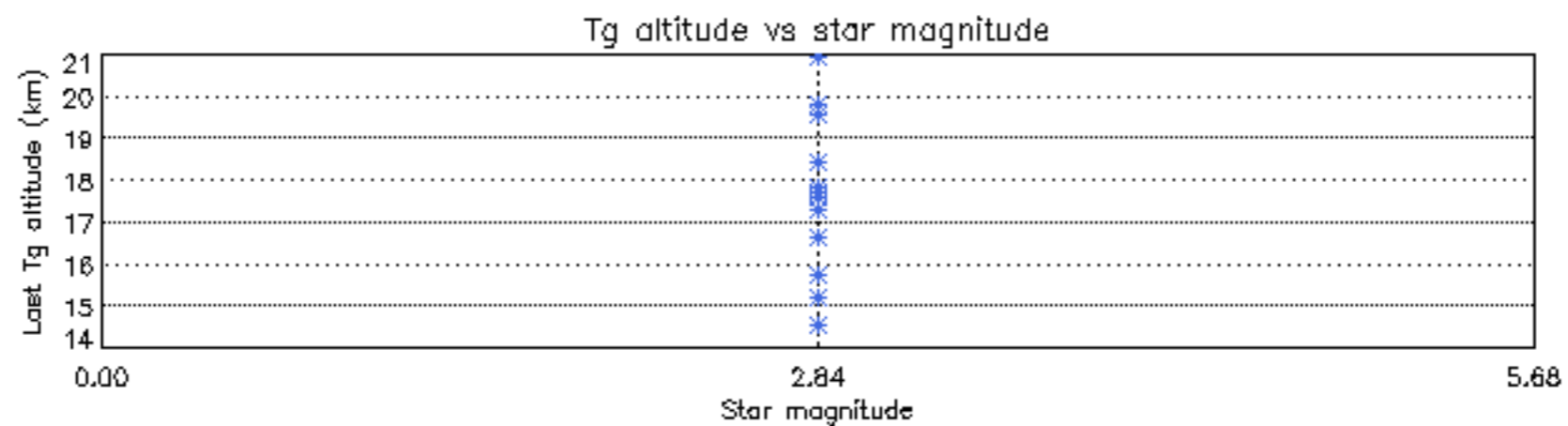
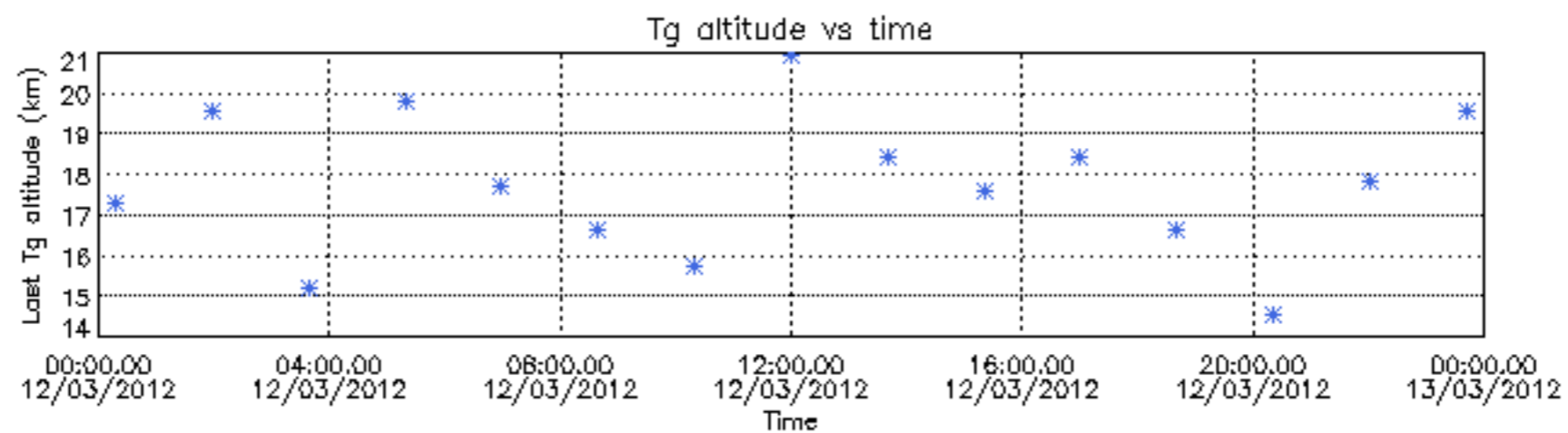
Percentage of star falling outside central band per profile



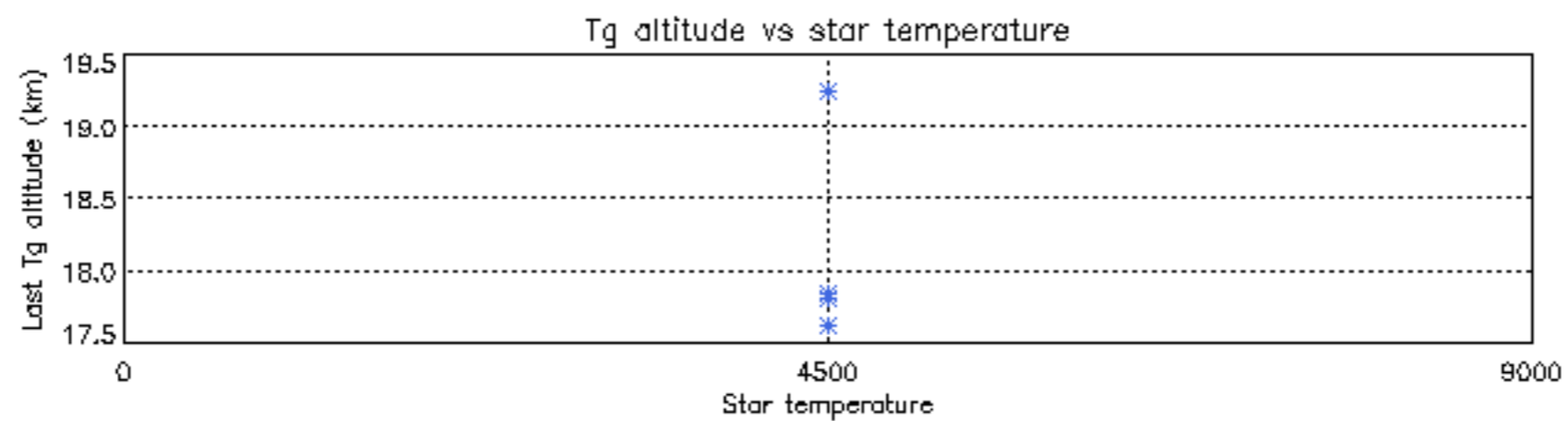
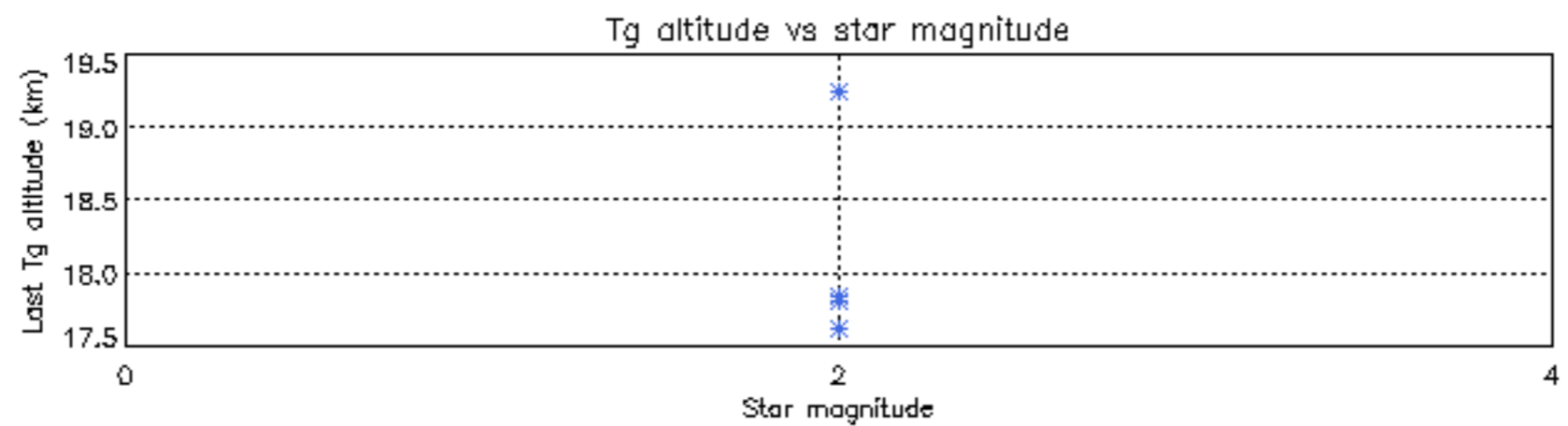
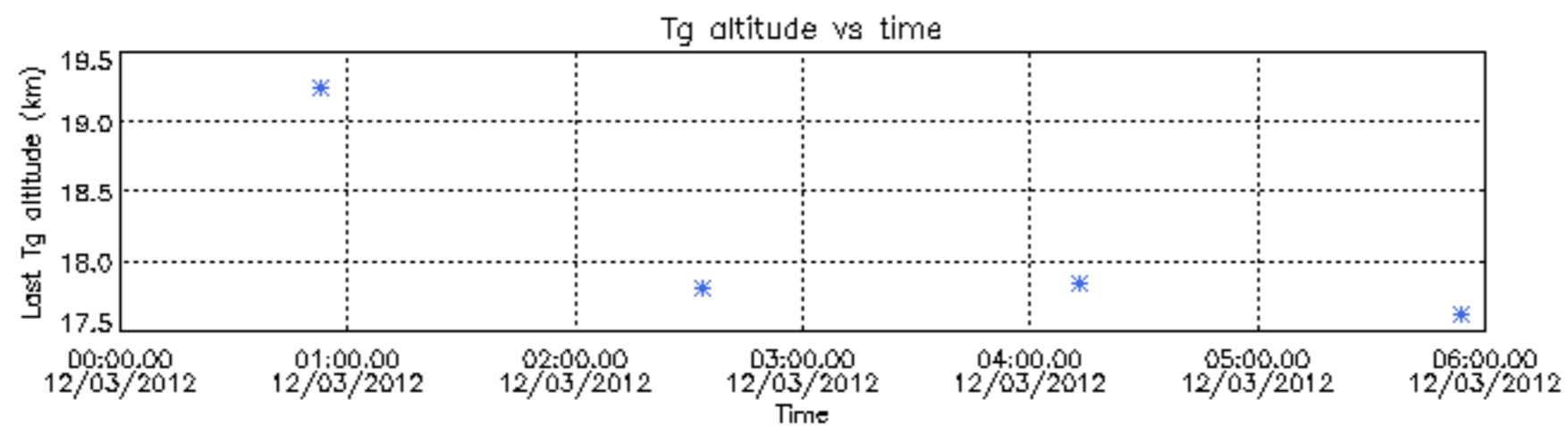
Percentage of saturation errors per profile

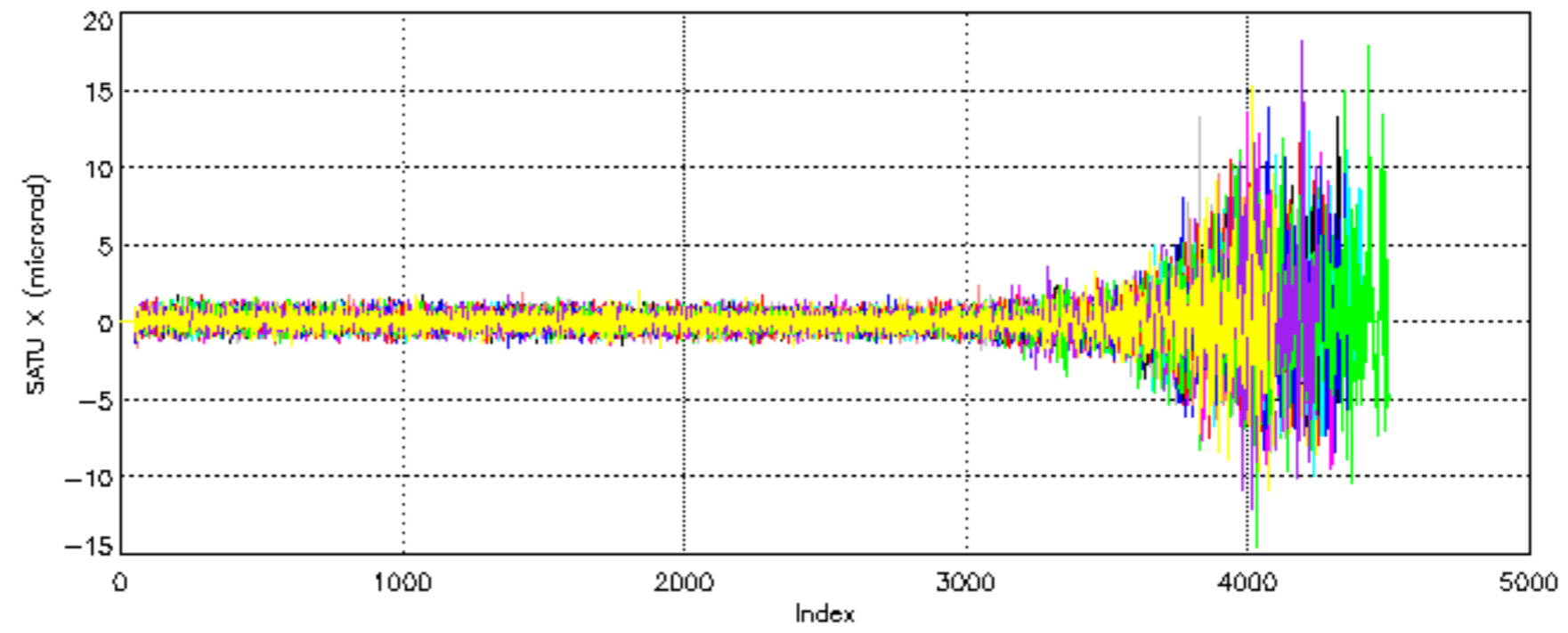


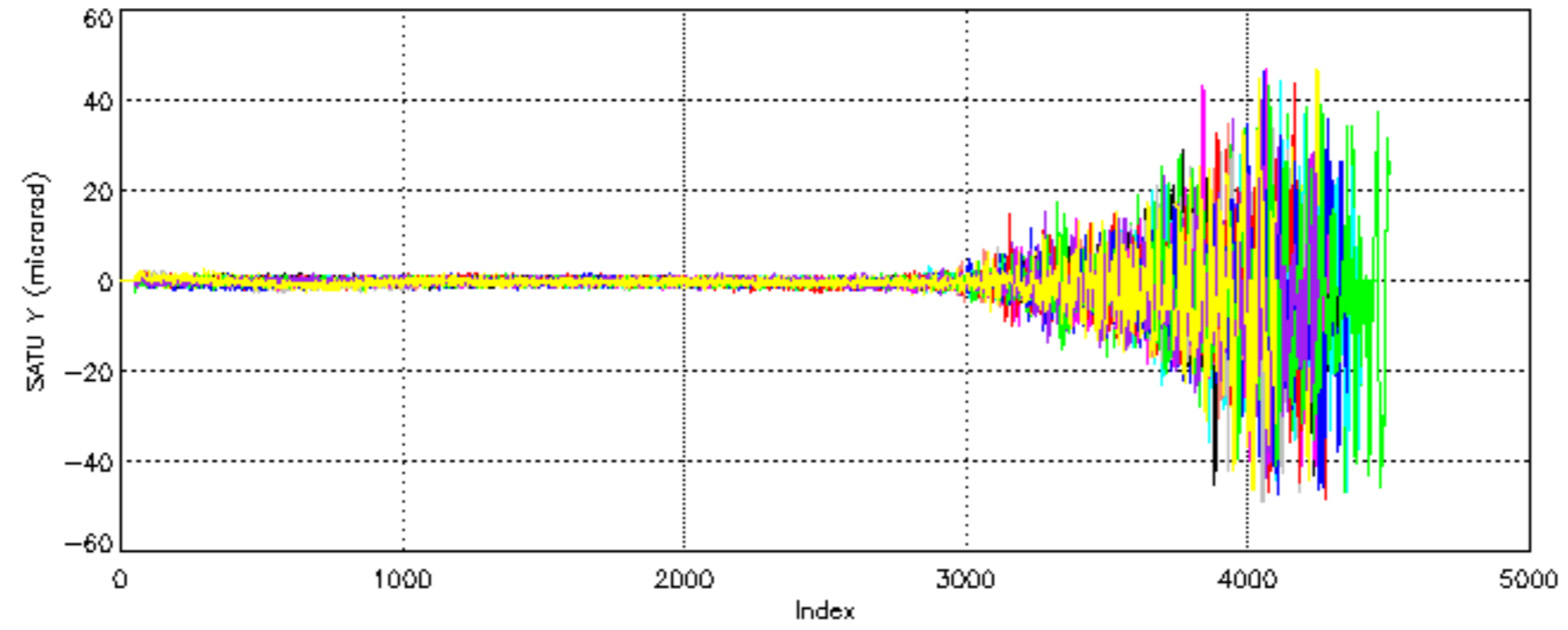
Tangent altitude at which the star is lost

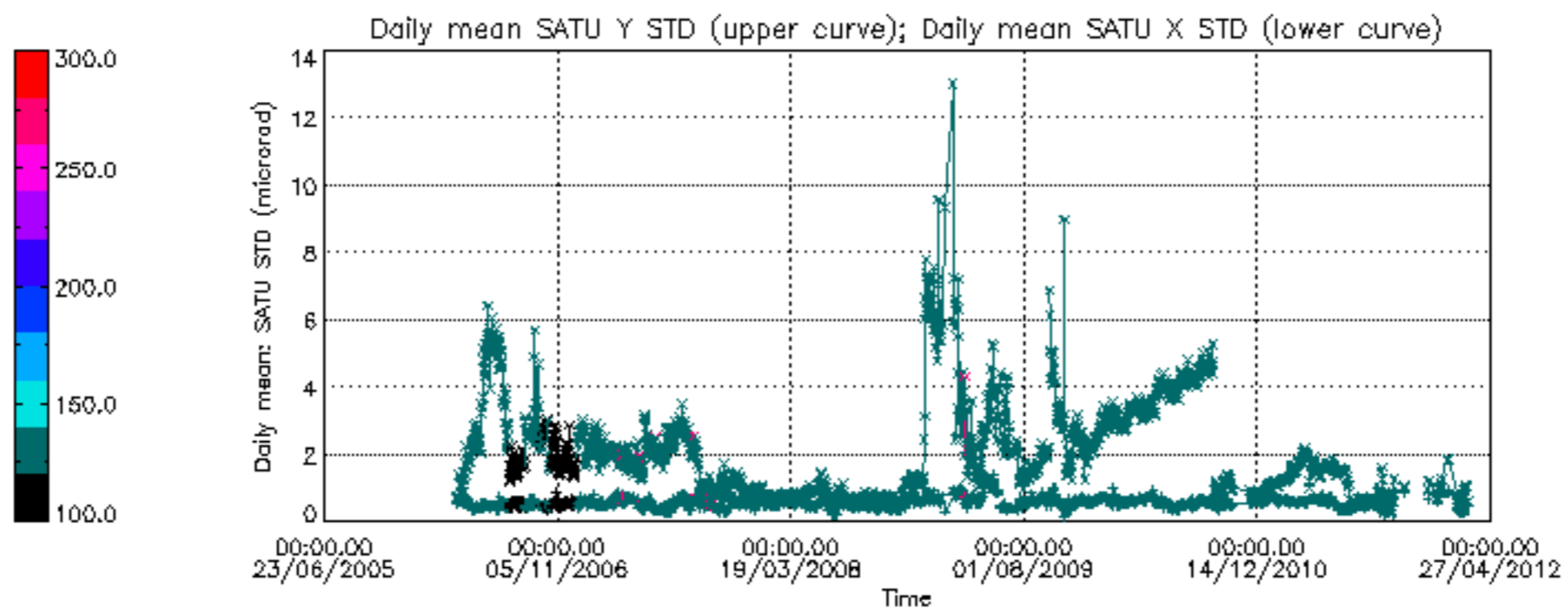


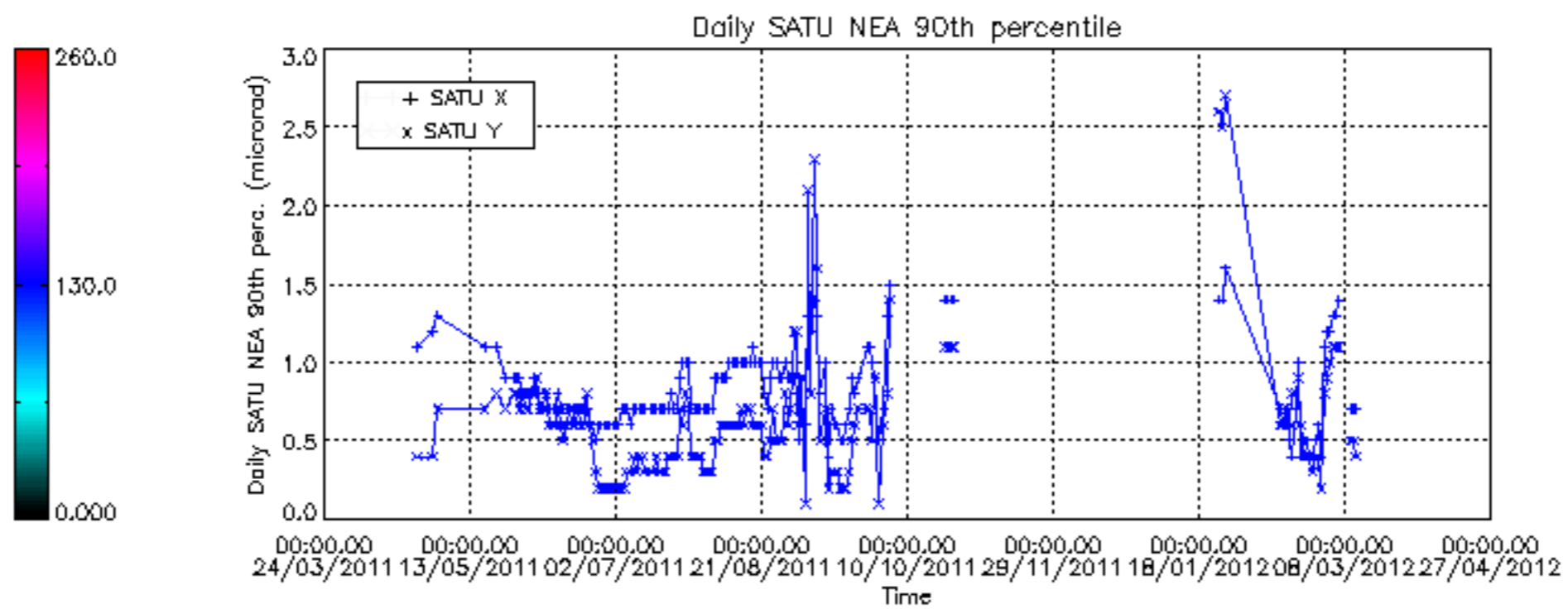
Tangent altitude at which the star is lost











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1; -13.1; 01-MAR-2012 22:00:59; Dark ; 42.5; 147; Alp Ara ; 2.88; 26000;occ; 85; 0;52327
2; 529.6; 01-MAR-2012 22:10:02; Dark ; 46.5; 10; Bet Cen ; 0.61; 28000;occ; 93; 0;52328
3; 4193.8; 01-MAR-2012 23:11:06; Bright; 36.0; 144; 18Del Cyg ; 2.86; 11000;occ; 72; 0;52328

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2; 530.1; 01-MAR-2012 23:50:16; Dark ; 42.5; 10; Bet Cen ; 0.61; 28000;occ; 85; 0;52329
3; 4193.8; 02-MAR-2012 00:51:20; Bright; 35.5; 144; 18Del Cyg ; 2.86; 11000;occ; 71; 0;52329

/nas3/ENVISAT/GOMOS/GOM_NL__0P/GOM_NL__0PNPDK20120301_062846_000023863112_00149_52318_5720.N1
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2; -18.6; 01-MAR-2012 06:58:48; Dark ; 41.0; 147; Alp Ara ; 2.88; 26000;occ; 82; 0;52318
3; 524.8; 01-MAR-2012 07:07:52; Dark ; 41.5; 10; Bet Cen ; 0.61; 28000;occ; 83; 0;52319

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2; -17.3; 01-MAR-2012 08:39:04; Dark ; 40.0; 147; Alp Ara ; 2.88; 26000;occ; 80; 0;52319
3; 526.1; 01-MAR-2012 08:48:07; Dark ; 44.0; 10; Bet Cen ; 0.61; 28000;occ; 88; 0;52320

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2; -17.0; 01-MAR-2012 11:59:32; Dark ; 41.0; 147; Alp Ara ; 2.88; 26000;occ; 82; 0;52321
3; 526.3; 01-MAR-2012 12:08:35; Dark ; 44.0; 10; Bet Cen ; 0.61; 28000;occ; 88; 0;52322

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2; -16.2; 01-MAR-2012 13:39:46; Dark ; 40.5; 147; Alp Ara ; 2.88; 26000;occ; 81; 0;52322
3; 526.6; 01-MAR-2012 13:48:49; Dark ; 41.5; 10; Bet Cen ; 0.61; 28000;occ; 83; 0;52323

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2; -15.8; 01-MAR-2012 15:20:01; Dark ; 41.0; 147; Alp Ara ; 2.88; 26000;occ; 82; 0;52323
3; 527.2; 01-MAR-2012 15:29:04; Dark ; 41.5; 10; Bet Cen ; 0.61; 28000;occ; 83; 0;52324

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2; -15.0; 01-MAR-2012 17:00:16; Dark ; 41.5; 147; Alp Ara ; 2.88; 26000;occ; 83; 0;52324
3; 527.8; 01-MAR-2012 17:09:18; Dark ; 43.0; 10; Bet Cen ; 0.61; 28000;occ; 86; 0;52325

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2; -14.3; 01-MAR-2012 18:40:30; Dark ; 39.5; 147; Alp Ara ; 2.88; 26000;occ; 79; 0;52325
3; 528.3; 01-MAR-2012 18:49:33; Dark ; 52.5; 10; Bet Cen ; 0.61; 28000;occ; 105; 0;52326

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2; -13.7; 01-MAR-2012 20:20:45; Dark ; 41.0; 147; Alp Ara ; 2.88; 26000;occ; 82; 0;52326
3; 529.0; 01-MAR-2012 20:29:48; Dark ; 47.0; 10; Bet Cen ; 0.61; 28000;occ; 94; 0;52327

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2; 530.7; 02-MAR-2012 01:30:31; Dark ; 42.0; 10; Bet Cen ; 0.61; 28000;occ; 84; 0;52330
3; 5493.0; 02-MAR-2012 02:53:13; Dark ; 44.5; 57; 34Sig Sgr ; 2.07; 26000;occ; 89; 0;52330
4; 6003.0; 02-MAR-2012 03:01:43; Dark ; 40.0; 147; Alp Ara ; 2.88; 26000;occ; 80; 0;52330
5; 6545.3; 02-MAR-2012 03:10:45; Dark ; 41.0; 10; Bet Cen ; 0.61; 28000;occ; 82; 0;52331

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2; -10.3; 02-MAR-2012 04:41:58; Dark ; 41.5; 147; Alp Ara ; 2.88; 26000;occ; 83; 0;52331
3; 532.0; 02-MAR-2012 04:51:00; Dark ; 51.0; 10; Bet Cen ; 0.61; 28000;occ; 102; 0;52332

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2; -9.7; 02-MAR-2012 06:22:12; Dark ; 40.5; 147; Alp Ara ; 2.88; 26000;occ; 81; 0;52332
3; 532.6; 02-MAR-2012 06:31:15; Dark ; 41.5; 10; Bet Cen ; 0.61; 28000;occ; 83; 0;52333

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2; -3.6; 02-MAR-2012 21:24:24; Dark ; 28.5; 147; Alp Ara ; 2.88; 26000;occ; 57; 0;52341

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2; -3.3; 02-MAR-2012 23:04:39; Dark ; 25.5; 147; Alp Ara ; 2.88; 26000;occ; 51; 0;52342

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2; -9.0; 02-MAR-2012 08:02:27; Dark ; 39.0; 147; Alp Ara ; 2.88; 26000;occ; 78; 0;52333
3; 533.1; 02-MAR-2012 08:11:29; Dark ; 41.0; 10; Bet Cen ; 0.61; 28000;occ; 82; 0;52334

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2; -8.4; 02-MAR-2012 09:42:42; Dark ; 41.0; 147; Alp Ara ; 2.88; 26000;occ; 82; 0;52334
3; 533.6; 02-MAR-2012 09:51:44; Dark ; 41.0; 10; Bet Cen ; 0.61; 28000;occ; 82; 0;52335
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2; -7.6; 02-MAR-2012 11:22:56; Dark ; 41.5; 147; Alp Ara ; 2.88; 26000;occ; 83; 0;52335
3; 534.1; 02-MAR-2012 11:31:58; Dark ; 52.0; 10; Bet Cen ; 0.61; 28000;occ; 104; 0;52336
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1; -517.4; 02-MAR-2012 12:54:40; Dark ; 46.0; 57; 34Sig Sgr ; 2.07; 26000;occ; 92; 0;52336
2; -7.0; 02-MAR-2012 13:03:11; Dark ; 41.0; 147; Alp Ara ; 2.88; 26000;occ; 82; 0;52336
3; 534.7; 02-MAR-2012 13:12:12; Dark ; 42.5; 10; Bet Cen ; 0.61; 28000;occ; 85; 0;52337
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2; -6.3; 02-MAR-2012 14:43:25; Dark ; 40.0; 147; Alp Ara ; 2.88; 26000;occ; 80; 0;52337
3; 536.9; 02-MAR-2012 14:52:29; Dark ; 39.5; 10; Bet Cen ; 0.61; 28000;occ; 79; 0;52338
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2; -5.6; 02-MAR-2012 16:23:40; Dark ; 36.5; 147; Alp Ara ; 2.88; 26000;occ; 73; 0;52338
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2; -5.0; 02-MAR-2012 18:03:55; Dark ; 34.5; 147; Alp Ara ; 2.88; 26000;occ; 69; 0;52339
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2; -4.3; 02-MAR-2012 19:44:09; Dark ; 31.5; 147; Alp Ara ; 2.88; 26000;occ; 63; 0;52340
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2; 2301.9; 03-MAR-2012 23:06:19; Bright; 38.0; 166; 17Eps Leo ; 2.98; 6000;occ; 76; 0;52357
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2; 5392.5; 03-MAR-2012 13:56:26; Dark ; 41.5; 155; 41Pi Sgr ; 2.90; 6600;occ; 83; 0;52351
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2; 5394.7; 03-MAR-2012 18:57:10; Dark ; 43.5; 155; 41Pi Sgr ; 2.90; 6600;occ; 87; 0;52354
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2; 5395.2; 03-MAR-2012 20:37:25; Dark ; 42.0; 155; 41Pi Sgr ; 2.90; 6600;occ; 84; 0;52355
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2; 4811.7; 04-MAR-2012 23:11:24; Bright; 41.5; 118; 50Gam Aql ; 2.72; 4600;occ; 83; 0;52371
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2; 4812.0; 05-MAR-2012 00:51:38; Bright; 40.0; 118; 50Gam Aql ; 2.72; 4600;occ; 80; 0;52372
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1; -1204.8; 04-MAR-2012 08:09:16; Bright; 38.5; 118; 50Gam Aql ; 2.72; 4600;occ; 77; 0;52362
2; -614.8; 04-MAR-2012 08:19:06; Dark ; 33.5; 155; 41Pi Sgr ; 2.90; 6600;occ; 67; 0;52362
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2; 4280.2; 11-MAR-2012 12:04:23; Bright; 39.0; 66; 37Gam Cyg ; 2.21; 5900;occ; 78; 0;52465
3; 6156.1; 11-MAR-2012 12:35:39; Dark ; 41.0; 141; Bet Ara ; 2.84; 4600;occ; 82; 0;52466
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2; 4280.3; 11-MAR-2012 13:44:37; Bright; 37.0; 66; 37Gam Cyg ; 2.21; 5900;occ; 74; 0;52466
3; 6156.9; 11-MAR-2012 14:15:53; Dark ; 41.0; 141; Bet Ara ; 2.84; 4600;occ; 82; 0;52467
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2; 4280.5; 11-MAR-2012 15:24:51; Bright; 36.5; 66; 37Gam Cyg ; 2.21; 5900;occ; 73; 0;52467
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2; 4280.4; 11-MAR-2012 17:05:05; Bright; 38.0; 66; 37Gam Cyg ; 2.21; 5900;occ; 76; 0;52468
3; 6158.2; 11-MAR-2012 17:36:22; Dark ; 43.5; 141; Bet Ara ; 2.84; 4600;occ; 87; 0;52469
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2; 4280.4; 11-MAR-2012 18:45:19; Bright; 38.5; 66; 37Gam Cyg ; 2.21; 5900;occ; 77; 0;52469
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2; 4280.5; 11-MAR-2012 20:25:33; Bright; 30.0; 66; 37Gam Cyg ; 2.21; 5900;occ; 60; 0;52470
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 2; 550.0; 13-MAR-2012 21:30:20; Dark ; 45.0; 4; Alp1Cen ;-0.01; 5800;occ; 90; 0;52500
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 2; 550.5; 13-MAR-2012 23:10:34; Dark ; 49.5; 4; Alp1Cen ;-0.01; 5800;occ; 99; 0;52501
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 2; 547.3; 13-MAR-2012 13:09:07; Dark ; 41.5; 4; Alp1Cen ;-0.01; 5800;occ; 83; 0;52495
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 2; 551.0; 14-MAR-2012 00:50:49; Dark ; 56.5; 4; Alp1Cen ;-0.01; 5800;occ; 113; 0;52502
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 2; 551.7; 14-MAR-2012 02:31:03; Dark ; 47.0; 4; Alp1Cen ;-0.01; 5800;occ; 94; 0;52503

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2; 287.9; 14-MAR-2012 04:06:53; Dark ; 58.5; 0; ; 0.00; 0;occ; 117; 0;52504
3; 552.4; 14-MAR-2012 04:11:18; Dark ; 55.5; 4; Alp1Cen ;-0.01; 5800;occ; 111; 0;52504
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2; 558.2; 14-MAR-2012 22:33:57; Dark ; 45.5; 4; Alp1Cen ;-0.01; 5800;occ; 91; 0;52515
3; 4189.9; 14-MAR-2012 23:34:29; Bright; 35.0; 19; 50Alp Cyg ; 1.25; 10500;occ; 70; 0;52515
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2; 289.1; 14-MAR-2012 07:27:22; Dark ; 58.5; 0; ; 0.00; 0;occ; 117; 0;52506
3; 553.4; 14-MAR-2012 07:31:47; Dark ; 45.5; 4; Alp1Cen ;-0.01; 5800;occ; 91; 0;52506
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3; 554.0; 14-MAR-2012 09:12:01; Dark ; 56.5; 4; Alp1Cen ;-0.01; 5800;occ; 113; 0;52507
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3; 554.5; 14-MAR-2012 10:52:16; Dark ; 48.5; 4; Alp1Cen ;-0.01; 5800;occ; 97; 0;52508
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2; 291.0; 14-MAR-2012 12:28:06; Dark ; 58.5; 0; ; 0.00; 0;occ; 117; 0;52509
3; 555.1; 14-MAR-2012 12:32:30; Dark ; 41.5; 4; Alp1Cen ;-0.01; 5800;occ; 83; 0;52509
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2; 291.6; 14-MAR-2012 14:08:20; Dark ; 58.5; 0; ; 0.00; 0;occ; 117; 0;52510
3; 555.7; 14-MAR-2012 14:12:45; Dark ; 43.0; 4; Alp1Cen ;-0.01; 5800;occ; 86; 0;52510
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2; 292.2; 14-MAR-2012 15:48:35; Dark ; 58.5; 0; ; 0.00; 0;occ; 117; 0;52511
3; 556.2; 14-MAR-2012 15:52:59; Dark ; 43.5; 4; Alp1Cen ;-0.01; 5800;occ; 87; 0;52511
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3; 556.7; 14-MAR-2012 17:33:14; Dark ; 44.5; 4; Alp1Cen ;-0.01; 5800;occ; 89; 0;52512
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2; 293.5; 14-MAR-2012 19:09:04; Dark ; 58.5; 0; ; 0.00; 0;occ; 117; 0;52513
3; 557.2; 14-MAR-2012 19:13:28; Dark ; 56.0; 4; Alp1Cen ;-0.01; 5800;occ; 112; 0;52513
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2; 294.1; 14-MAR-2012 20:49:19; Dark ; 58.5; 0; ; 0.00; 0;occ; 117; 0;52514
3; 557.7; 14-MAR-2012 20:53:42; Dark ; 44.5; 4; Alp1Cen ;-0.01; 5800;occ; 89; 0;52514
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2; 558.7; 15-MAR-2012 00:14:11; Dark ; 45.0; 4; Alp1Cen ;-0.01; 5800;occ; 90; 0;52516
3; 4190.0; 15-MAR-2012 01:14:42; Bright; 38.0; 19; 50Alp Cyg ; 1.25; 10500;occ; 76; 0;52516
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2; 559.3; 15-MAR-2012 01:54:26; Dark ; 46.5; 4; Alp1Cen ;-0.01; 5800;occ; 93; 0;52517
/nas3/ENVISAT/GOMOS/GOM_NL__0P/GOM_NL__0PNPDE20120315_025456_000024323112_00348_52517_6758.N1
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2; 296.6; 15-MAR-2012 03:30:17; Dark ; 56.5; 0; ; 0.00; 0;occ; 113; 0;52518
3; 560.0; 15-MAR-2012 03:34:40; Dark ; 48.5; 4; Alp1Cen ;-0.01; 5800;occ; 97; 0;52518
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2; 297.2; 15-MAR-2012 05:10:31; Dark ; 56.5; 0; ; 0.00; 0;occ; 113; 0;52519
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2; 4389.0; 15-MAR-2012 23:01:03; Bright; 35.5; 92; 53Eps Cyg ; 2.50; 4500;occ; 71; 0;52529
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2; 4389.1; 16-MAR-2012 00:41:17; Bright; 36.5; 92; 53Eps Cyg ; 2.50; 4500;occ; 73; 0;52530
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2; 297.7; 15-MAR-2012 06:50:46; Dark ; 55.5; 0; ; 0.00; 0;occ; 111; 0;52520
3; 561.1; 15-MAR-2012 06:55:09; Dark ; 44.0; 4; Alp1Cen ; -0.01; 5800;occ; 88; 0;52520
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2; 298.3; 15-MAR-2012 08:31:01; Dark ; 54.5; 0; ; 0.00; 0;occ; 109; 0;52521
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3; 562.2; 15-MAR-2012 10:15:38; Dark ; 45.0; 4; Alp1Cen ; -0.01; 5800;occ; 90; 0;52522
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2; 562.9; 15-MAR-2012 11:55:53; Dark ; 53.0; 4; Alp1Cen ; -0.01; 5800;occ; 106; 0;52523
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2; 563.3; 15-MAR-2012 13:36:07; Dark ; 41.5; 4; Alp1Cen ; -0.01; 5800;occ; 83; 0;52524
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2; 4389.3; 16-MAR-2012 02:21:31; Bright; 53.5; 92; 53Eps Cyg ; 2.50; 4500;occ; 107; 0;52531
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1; 2859.1; 23-MAR-2012 21:02:02; Bright; 37.5; 82; 48Bet UMA ; 2.37; 10600;occ; 75; 0; -1
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/nas3/ENVISAT/GOMOS/GOM_NL__0P/GOM_NL__0PNPDE20120323_224216_000001293113_00044_52644_6782.N1
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2; 2951.0; 23-MAR-2012 12:42:24; Bright; 38.5; 36; 50Alp UMA ; 1.80; 6300;occ; 77; 0; -1
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1; 2859.7; 23-MAR-2012 14:21:07; Bright; 38.5; 82; 48Bet UMA ; 2.37; 10600;occ; 77; 0; -1

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2; 2951.0; 23-MAR-2012 14:22:38; Bright; 38.0; 36; 50Alp UMA ; 1.80; 6300;occ; 76; 0; -1
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1; 2858.8; 24-MAR-2012 00:22:30; Bright; 36.0; 82; 48Bet UMA ; 2.37; 10600;occ; 72; 0; -1
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3; 8872.6; 24-MAR-2012 03:42:57; Bright; 37.0; 82; 48Bet UMA ; 2.37; 10600;occ; 74; 0; -1
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