

GOMOS Daily Report 15-FEB-2012

Level 0 and Level 1 products

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This report presents the daily analysis on parameters extracted from GOMOS level 1b data (GOM_TRA_1P). It is intended to monitor some important parameters that will impact the quality of the level 2 products as the Spectrometers and Photometers CCD Temperatures and Dark Charge, SATU noise equivalent angle... A list of level 0 products (and content) that have arrived during the actual month to the PCF is also given.

Item	Value
Time of report generation	27FEB2012 12:10:43
Data source version	GOMOS/6.01
Start time of products	15FEB2012 06:15:34
Stop time of products	15FEB2012 23:06:43
Store outputs in DB	Yes
Nb of level 1b prods	33
Nb of prods with errors	1

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

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

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

Red segments are missing products.

Blue segments are available products.

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

! DMOP (mission plan) file not available for current day: plot NOT generated.

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

! DMOP (mission plan) file not available for current day: information on missing products NOT generated.

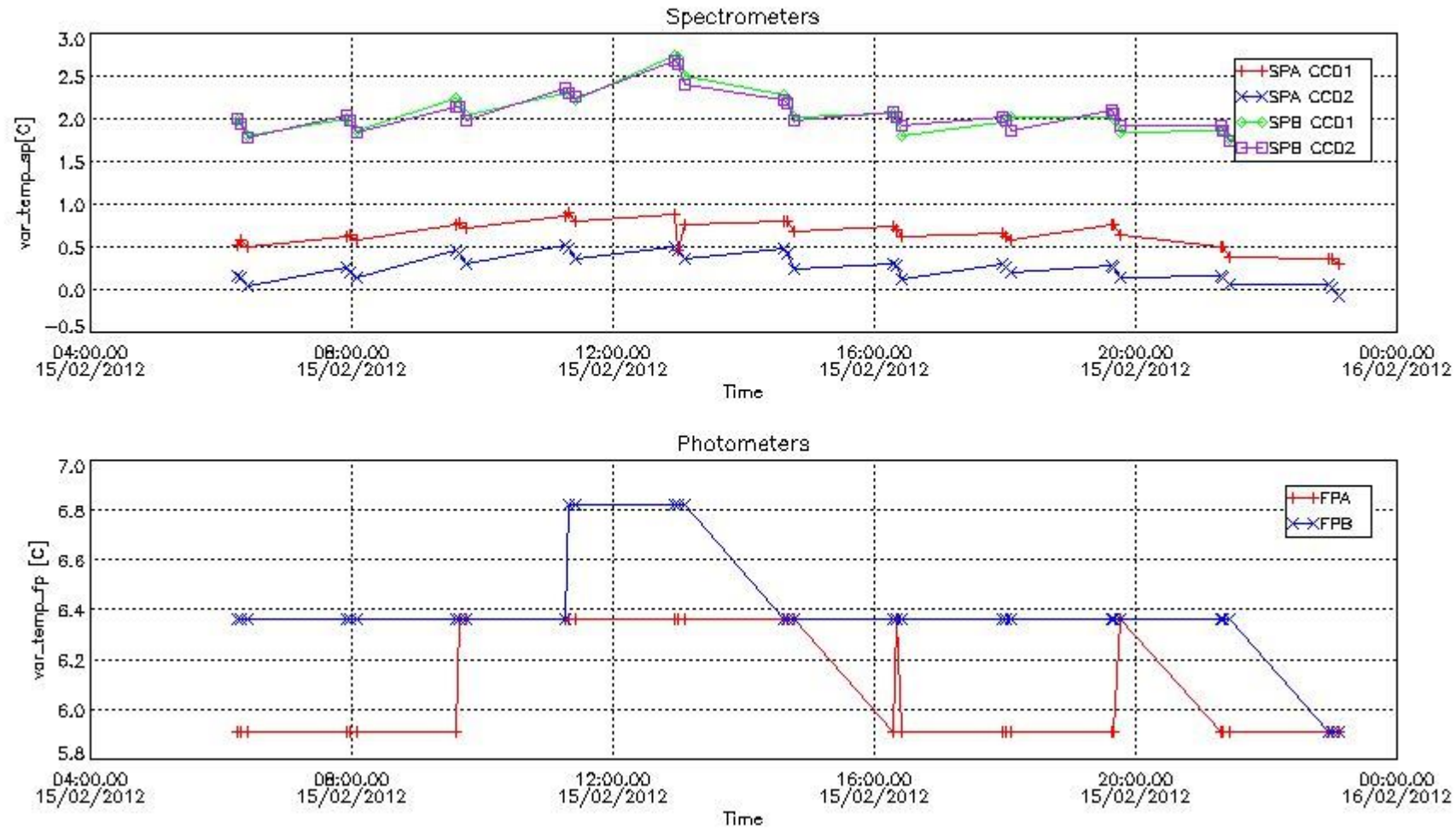
2.4 Summary of processed GOM_TRA_1P products

!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_1PNPDE20120215_061534_000000413111_00365_52103_8163.N1	15-FEB-2012 06:15:34	Dark	41.000	10	Bet Cen	0.61000	28000.	82	52103	No
2	GOM_TRA_1PNPDE20120215_061823_000000513111_00365_52103_8164.N1	15-FEB-2012 06:18:23	Dark	50.500	20	Bet Cru	1.2530	30000.	101	52103	No
3	GOM_TRA_1PNPDE20120215_062420_000000343111_00365_52103_8165.N1	15-FEB-2012 06:24:20	Dark	33.500	113	Mu Vel	2.6920	5000.0	67	52103	No
4	GOM_TRA_1PNPDK20120215_075549_000000503111_00366_52104_2353.N1	15-FEB-2012 07:55:49	Dark	50.000	10	Bet Cen	0.61000	28000.	100	52104	No
5	GOM_TRA_1PNPDK20120215_075837_000000463111_00366_52104_2354.N1	15-FEB-2012 07:58:37	Dark	45.500	20	Bet Cru	1.2530	30000.	91	52104	No
6	GOM_TRA_1PNPDK20120215_080434_000000363111_00366_52104_2355.N1	15-FEB-2012 08:04:34	Dark	35.500	113	Mu Vel	2.6920	5000.0	71	52104	No
7	GOM_TRA_1PNPDK20120215_093603_000000433111_00367_52105_2417.N1	15-FEB-2012 09:36:03	Dark	42.500	10	Bet Cen	0.61000	28000.	85	52105	No
8	GOM_TRA_1PNPDK20120215_093852_000000463111_00367_52105_2418.N1	15-FEB-2012 09:38:52	Dark	45.500	20	Bet Cru	1.2530	30000.	91	52105	No
9	GOM_TRA_1PNPDK20120215_094448_000000393111_00367_52105_2419.N1	15-FEB-2012 09:44:48	Dark	38.500	113	Mu Vel	2.6920	5000.0	77	52105	No
10	GOM_TRA_1PNPDK20120215_111618_000000413111_00368_52106_2456.N1	15-FEB-2012 11:16:18	Dark	41.000	10	Bet Cen	0.61000	28000.	82	52106	No
11	GOM_TRA_1PNPDK20120215_111906_000000413111_00368_52106_2457.N1	15-FEB-2012 11:19:06	Dark	40.500	20	Bet Cru	1.2530	30000.	81	52106	No
12	GOM_TRA_1PNPDK20120215_112503_000000413111_00368_52106_2458.N1	15-FEB-2012 11:25:03	Dark	40.500	113	Mu Vel	2.6920	5000.0	81	52106	No
13	GOM_TRA_1PNPDK20120215_125632_000000443111_00369_52107_2499.N1	15-FEB-2012 12:56:32	Dark	44.000	10	Bet Cen	0.61000	28000.	88	52107	No
14	GOM_TRA_1PNPDK20120215_125921_000000413111_00369_52107_2500.N1	15-FEB-2012 12:59:21	Dark	40.500	20	Bet Cru	1.2530	30000.	81	52107	No
15	GOM_TRA_1PNPDK20120215_130517_000000423111_00369_52107_2501.N1	15-FEB-2012 13:05:17	Dark	41.500	113	Mu Vel	2.6920	5000.0	83	52107	No
16	GOM_TRA_1PNPDK20120215_143647_000000443111_00370_52108_2537.N1	15-FEB-2012 14:36:47	Dark	44.000	10	Bet Cen	0.61000	28000.	88	52108	No
17	GOM_TRA_1PNPDK20120215_143935_000000423111_00370_52108_2538.N1	15-FEB-2012 14:39:35	Dark	41.500	20	Bet Cru	1.2530	30000.	83	52108	No
18	GOM_TRA_1PNPDK20120215_144531_000000463111_00370_52108_2539.N1	15-FEB-2012 14:45:31	Dark	45.500	113	Mu Vel	2.6920	5000.0	91	52108	No
19	GOM_TRA_1PNPDK20120215_161701_000000443111_00371_52109_2561.N1	15-FEB-2012 16:17:01	Dark	43.500	10	Bet Cen	0.61000	28000.	87	52109	No
20	GOM_TRA_1PNPDK20120215_161950_000000443111_00371_52109_2562.N1	15-FEB-2012 16:19:50	Dark	43.500	20	Bet Cru	1.2530	30000.	87	52109	No
21	GOM_TRA_1PNPDK20120215_162546_000000463111_00371_52109_2563.N1	15-FEB-2012 16:25:46	Dark	45.500	113	Mu Vel	2.6920	5000.0	91	52109	No
22	GOM_TRA_1PNPDK20120215_175716_000000483111_00372_52110_2603.N1	15-FEB-2012 17:57:16	Dark	48.000	10	Bet Cen	0.61000	28000.	96	52110	No
23	GOM_TRA_1PNPDK20120215_180004_000000433111_00372_52110_2604.N1	15-FEB-2012 18:00:04	Dark	43.000	20	Bet Cru	1.2530	30000.	86	52110	No
24	GOM_TRA_1PNPDK20120215_180600_000000173111_00372_52110_2605.N1	15-FEB-2012 18:06:00	Dark	16.500	113	Mu Vel	2.6920	5000.0	33	52110	No
25	GOM_TRA_1PNPDK20120215_193730_000000463111_00373_52111_2635.N1	15-FEB-2012 19:37:30	Dark	46.000	10	Bet Cen	0.61000	28000.	92	52111	No
26	GOM_TRA_1PNPDK20120215_194019_000000423111_00373_52111_2636.N1	15-FEB-2012 19:40:19	Dark	41.500	20	Bet Cru	1.2530	30000.	83	52111	No
27	GOM_TRA_1PNPDE20120215_194614_000000453111_00373_52111_8340.N1	15-FEB-2012 19:46:14	Dark	44.500	113	Mu Vel	2.6920	5000.0	89	52111	Yes
28	GOM_TRA_1PNPDE20120215_211745_000000443111_00374_52112_8373.N1	15-FEB-2012 21:17:45	Dark	43.500	10	Bet Cen	0.61000	28000.	87	52112	No
29	GOM_TRA_1PNPDE20120215_212033_000000423111_00374_52112_8374.N1	15-FEB-2012 21:20:33	Dark	42.000	20	Bet Cru	1.2530	30000.	84	52112	No

30	GOM_TRA_1PNPDE20120215_212629_000000443111_00374_52112_8375.N1	15-FEB-2012 21:26:29	Dark	44.000	113	Mu Vel	2.6920	5000.0	88	52112	No
31	GOM_TRA_1PNPDE20120215_225759_000000423111_00375_52113_8402.N1	15-FEB-2012 22:57:59	Dark	42.000	10	Bet Cen	0.61000	28000.	84	52113	No
32	GOM_TRA_1PNPDE20120215_230048_000000443111_00375_52113_8403.N1	15-FEB-2012 23:00:48	Dark	43.500	20	Bet Cru	1.2530	30000.	87	52113	No
33	GOM_TRA_1PNPDE20120215_230643_000000433111_00375_52113_8404.N1	15-FEB-2012 23:06:43	Dark	43.000	113	Mu Vel	2.6920	5000.0	86	52113	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).

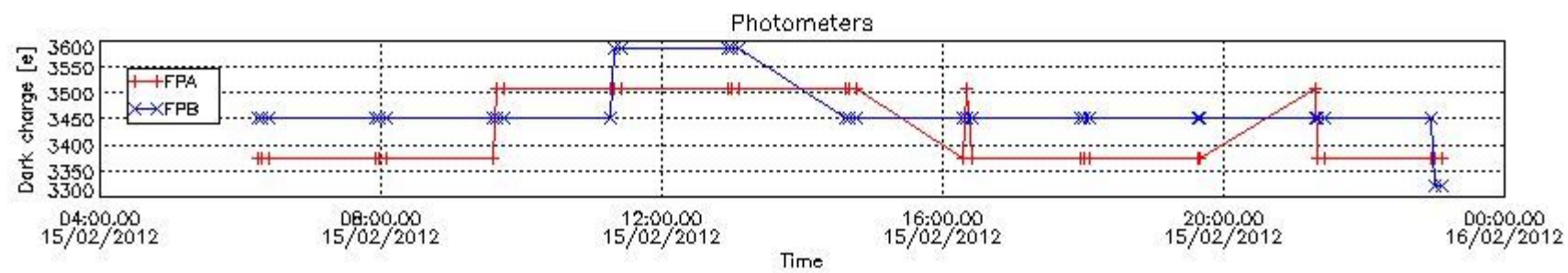
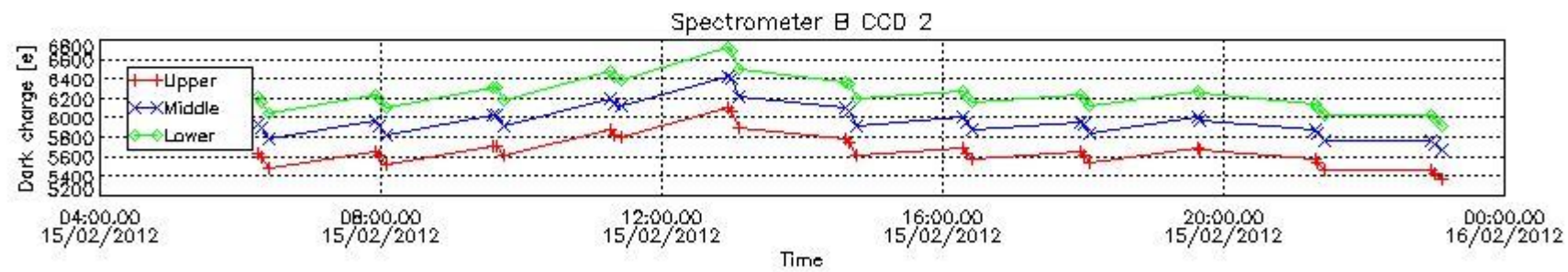
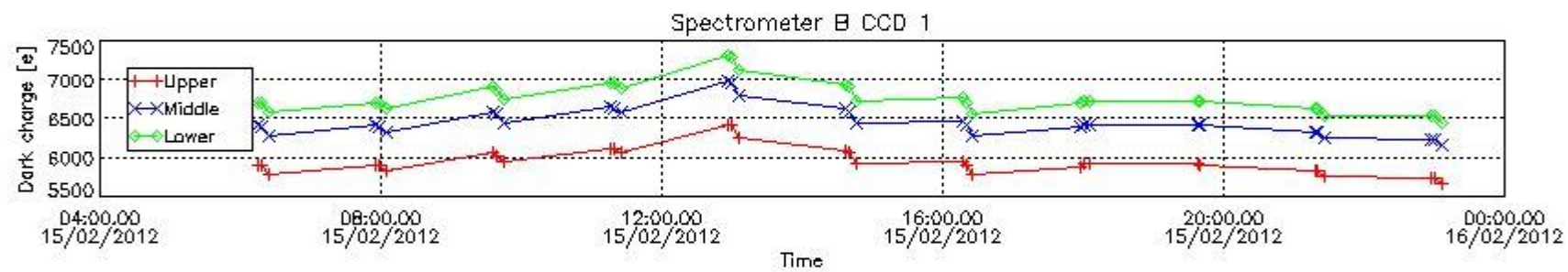
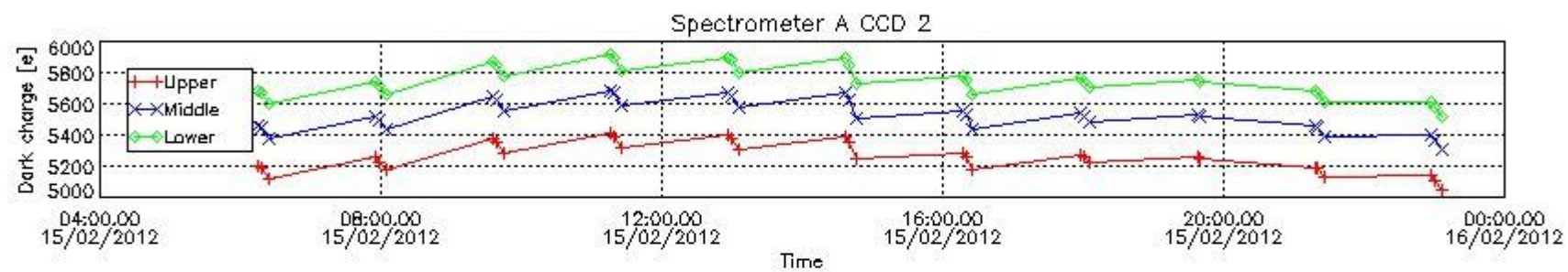
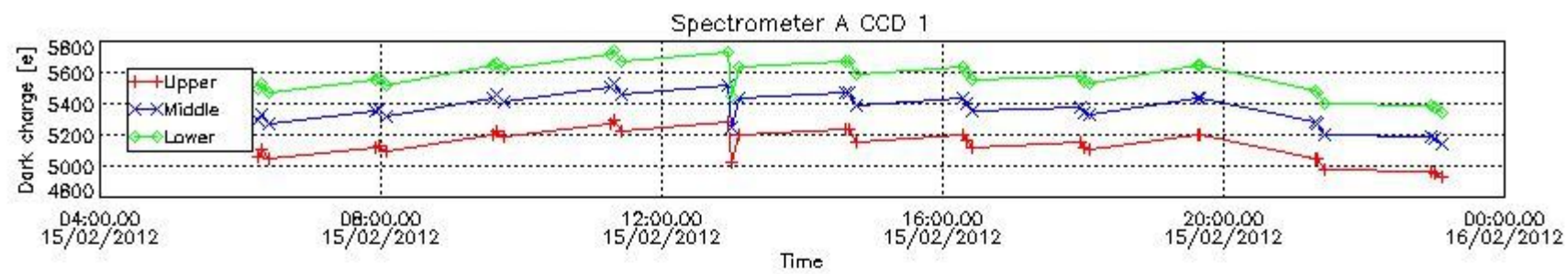
In this section a list of products that did not use the Dark Sky Area (DSA) observation for the DC computation is given. It is also provided the mean DC plot per product for dark limb products with no error flag set.

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

Product name	DC information
GOM_TRA_1PNPDE20120215_061534_000000413111_00365_52103_8163.N1	DC map used
GOM_TRA_1PNPDE20120215_061823_000000513111_00365_52103_8164.N1	DC map used
GOM_TRA_1PNPDE20120215_062420_000000343111_00365_52103_8165.N1	DC map used
GOM_TRA_1PNPDK20120215_075549_000000503111_00366_52104_2353.N1	DC map used
GOM_TRA_1PNPDK20120215_075837_000000463111_00366_52104_2354.N1	DC map used
GOM_TRA_1PNPDK20120215_080434_000000363111_00366_52104_2355.N1	DC map used

GOM_TRA_1PNPDK20120215_093603_000000433111_00367_52105_2417.N1	DC map used
GOM_TRA_1PNPDK20120215_093852_000000463111_00367_52105_2418.N1	DC map used
GOM_TRA_1PNPDK20120215_094448_000000393111_00367_52105_2419.N1	DC map used
GOM_TRA_1PNPDK20120215_111618_000000413111_00368_52106_2456.N1	DC map used
GOM_TRA_1PNPDK20120215_111906_000000413111_00368_52106_2457.N1	DC map used
GOM_TRA_1PNPDK20120215_112503_000000413111_00368_52106_2458.N1	DC map used
GOM_TRA_1PNPDK20120215_125632_000000443111_00369_52107_2499.N1	DC map used
GOM_TRA_1PNPDK20120215_125921_000000413111_00369_52107_2500.N1	DC map used
GOM_TRA_1PNPDK20120215_130517_000000423111_00369_52107_2501.N1	DC map used
GOM_TRA_1PNPDK20120215_143647_000000443111_00370_52108_2537.N1	DC map used
GOM_TRA_1PNPDK20120215_143935_000000423111_00370_52108_2538.N1	DC map used
GOM_TRA_1PNPDK20120215_144531_000000463111_00370_52108_2539.N1	DC map used
GOM_TRA_1PNPDK20120215_161701_000000443111_00371_52109_2561.N1	DC map used
GOM_TRA_1PNPDK20120215_161950_000000443111_00371_52109_2562.N1	DC map used
GOM_TRA_1PNPDK20120215_162546_000000463111_00371_52109_2563.N1	DC map used
GOM_TRA_1PNPDK20120215_175716_000000483111_00372_52110_2603.N1	DC map used
GOM_TRA_1PNPDK20120215_180004_000000433111_00372_52110_2604.N1	DC map used
GOM_TRA_1PNPDK20120215_180600_000000173111_00372_52110_2605.N1	DC map used
GOM_TRA_1PNPDK20120215_193730_000000463111_00373_52111_2635.N1	DC map used
GOM_TRA_1PNPDK20120215_194019_000000423111_00373_52111_2636.N1	DC map used
GOM_TRA_1PNPDE20120215_194614_000000453111_00373_52111_8340.N1	DC map with no T dep.
GOM_TRA_1PNPDE20120215_211745_000000443111_00374_52112_8373.N1	DC map used
GOM_TRA_1PNPDE20120215_212033_000000423111_00374_52112_8374.N1	DC map used
GOM_TRA_1PNPDE20120215_212629_000000443111_00374_52112_8375.N1	DC map used
GOM_TRA_1PNPDE20120215_225759_000000423111_00375_52113_8402.N1	DC map used
GOM_TRA_1PNPDE20120215_230048_000000443111_00375_52113_8403.N1	DC map used
GOM_TRA_1PNPDE20120215_230643_000000433111_00375_52113_8404.N1	DC map used

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



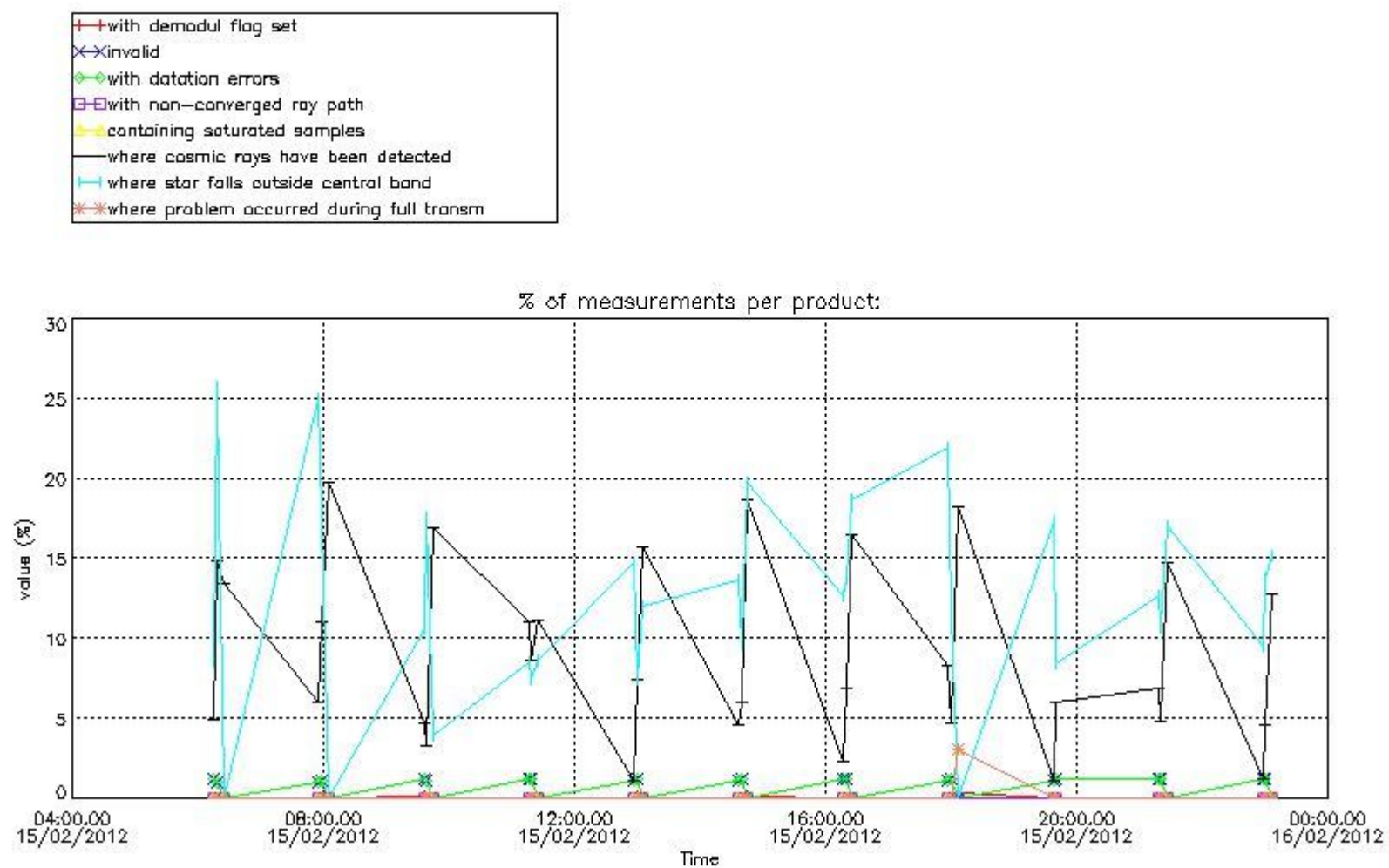
5. Demodulation flag and quality information monitoring

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.

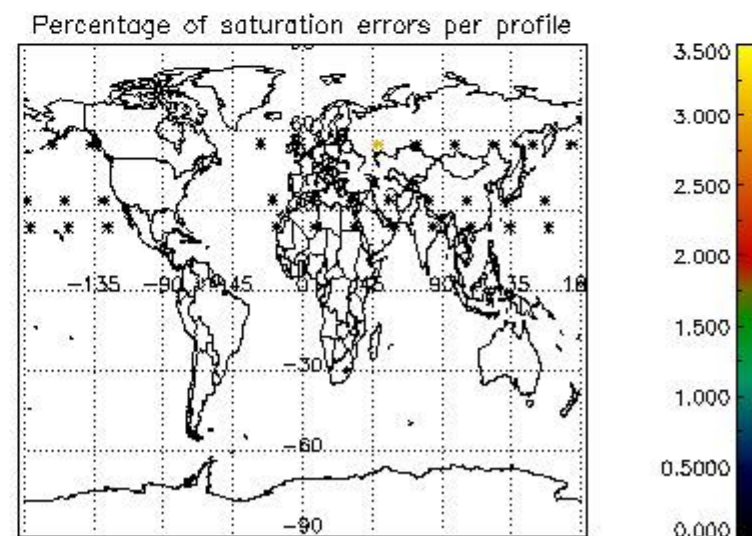
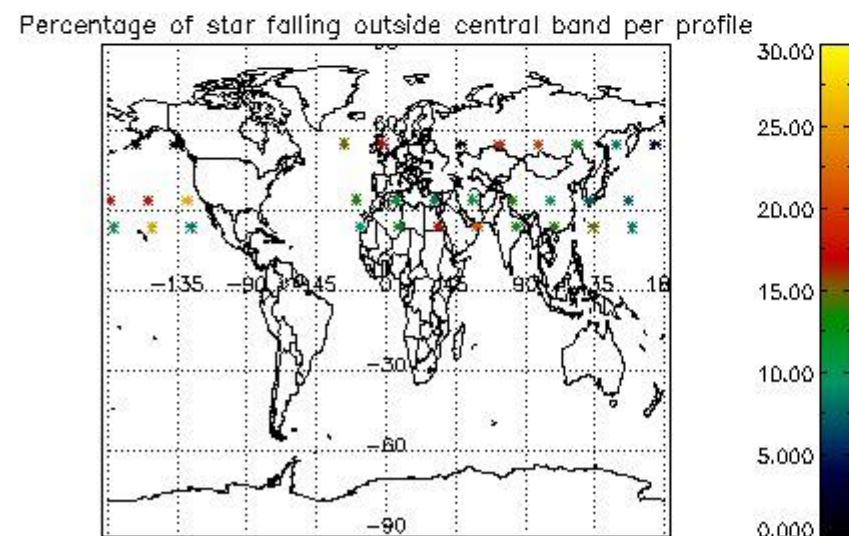
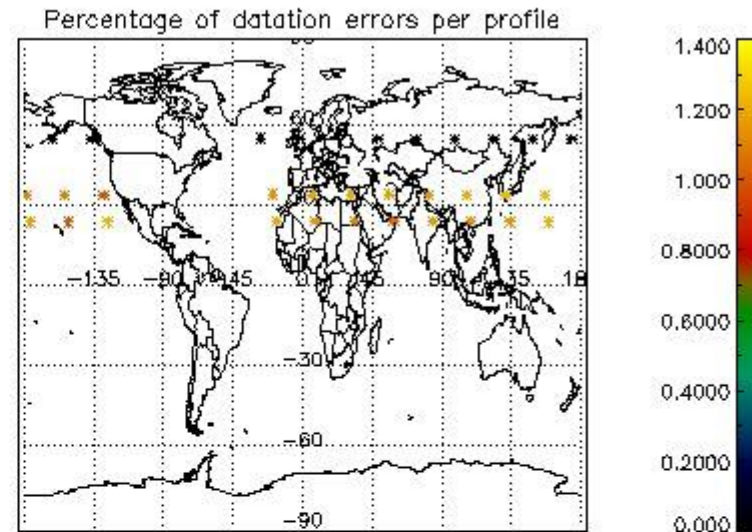
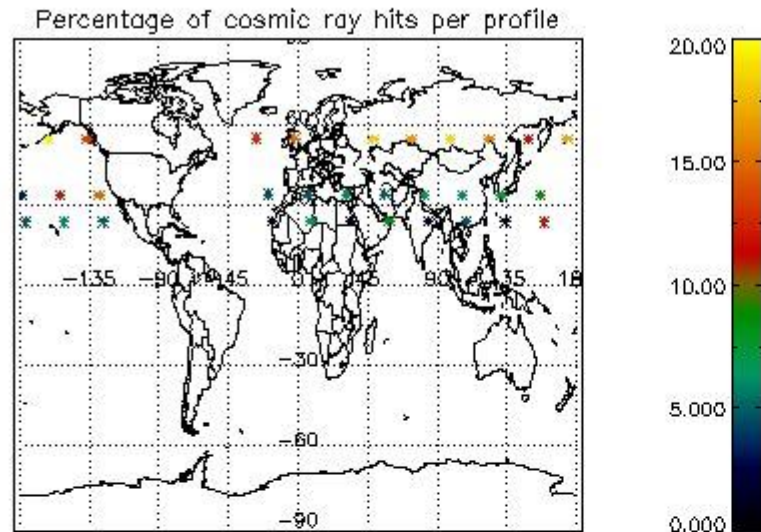
5.1 Percentage of products during reporting period with:

At least one measurement with demodulation flag set:	96.8750 %
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)



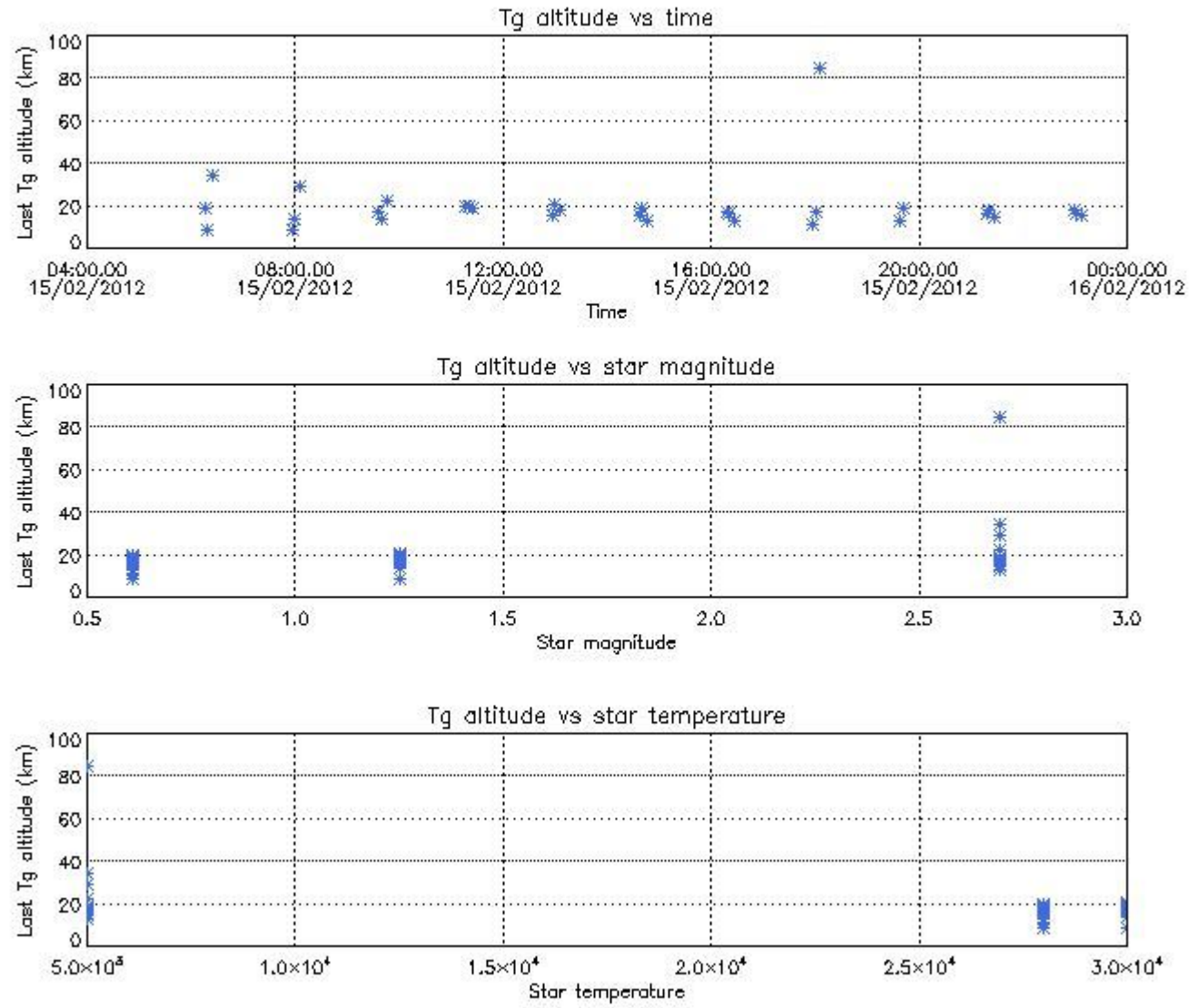
6. Statistics and plot of tangent altitude of the last measurement (DARK & BRIGHT products without errors)

6.1 Statistics on tangent altitude lost:

Statistics	DARK	BRIGHT	TWILIGHT
Mean:	19.201	NaN	NaN
St. deviation:	13.004	NaN	NaN
Maximum:	84.978	NaN	NaN
Minimum:	8.3568	NaN	NaN
Number of data:	32.000	NaN	NaN

6.2 Plot for DARK limb products

Tangent altitude at which the star is lost

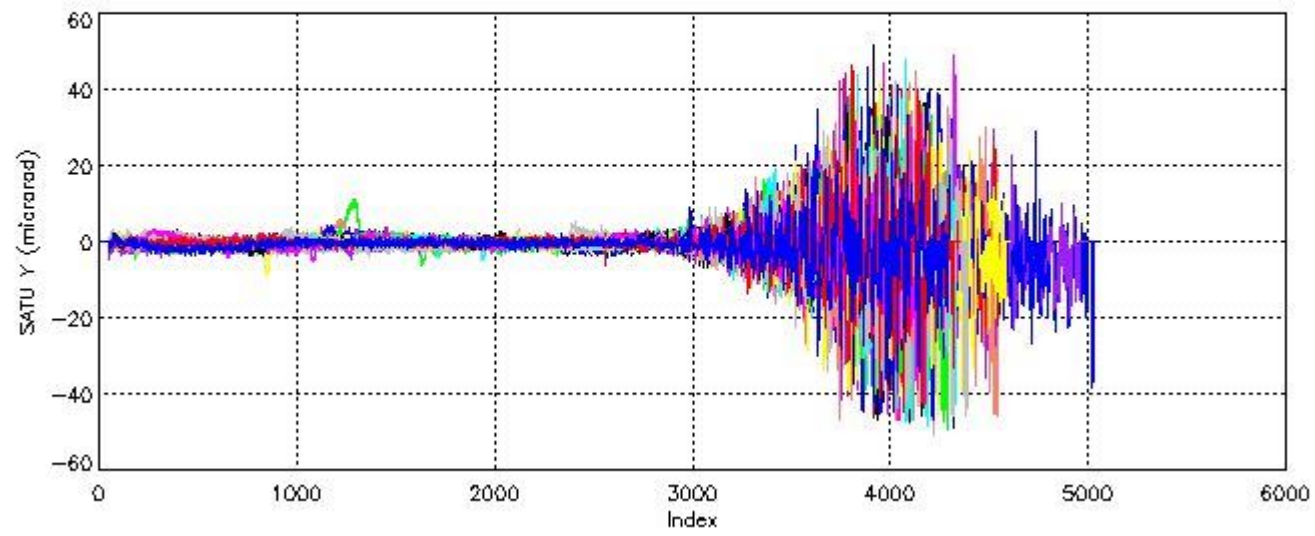
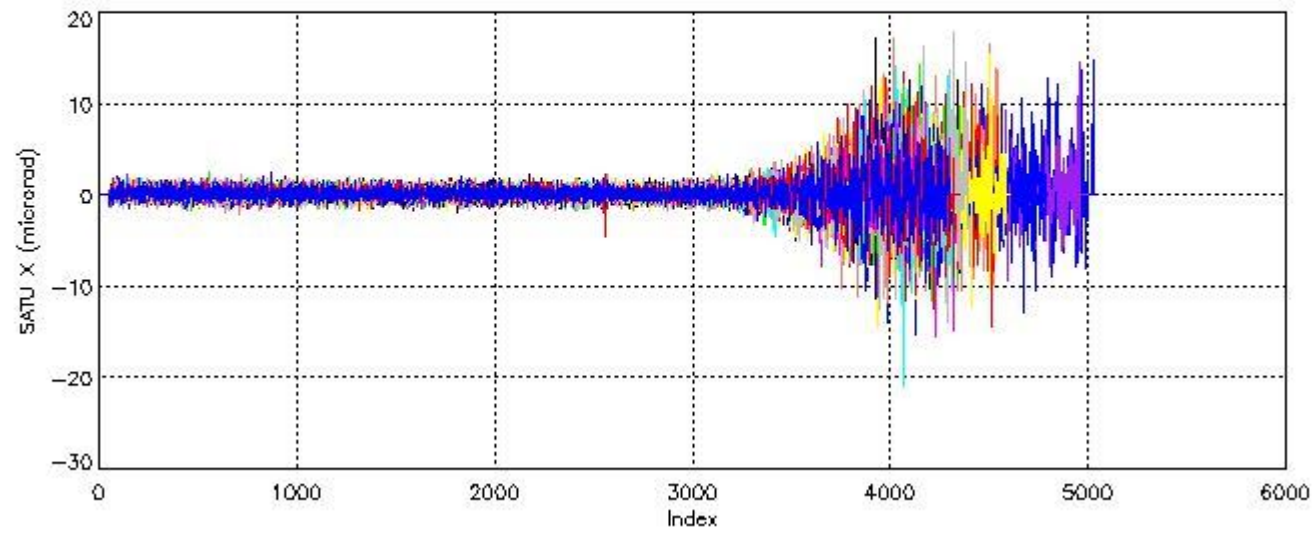


7. Star Acquisition and Tracking Unit (SATU)

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:	0.19422	-0.38929	NaN	NaN
St. deviation:	0.37991	0.76779	NaN	NaN
Maximum:	2.4000	3.3000	NaN	NaN
Minimum:	-2.1000	-8.9000	NaN	NaN

Number of data:	30950.	30950.	NaN	NaN
90Percentile:	0.70000	0.60000	NaN	NaN

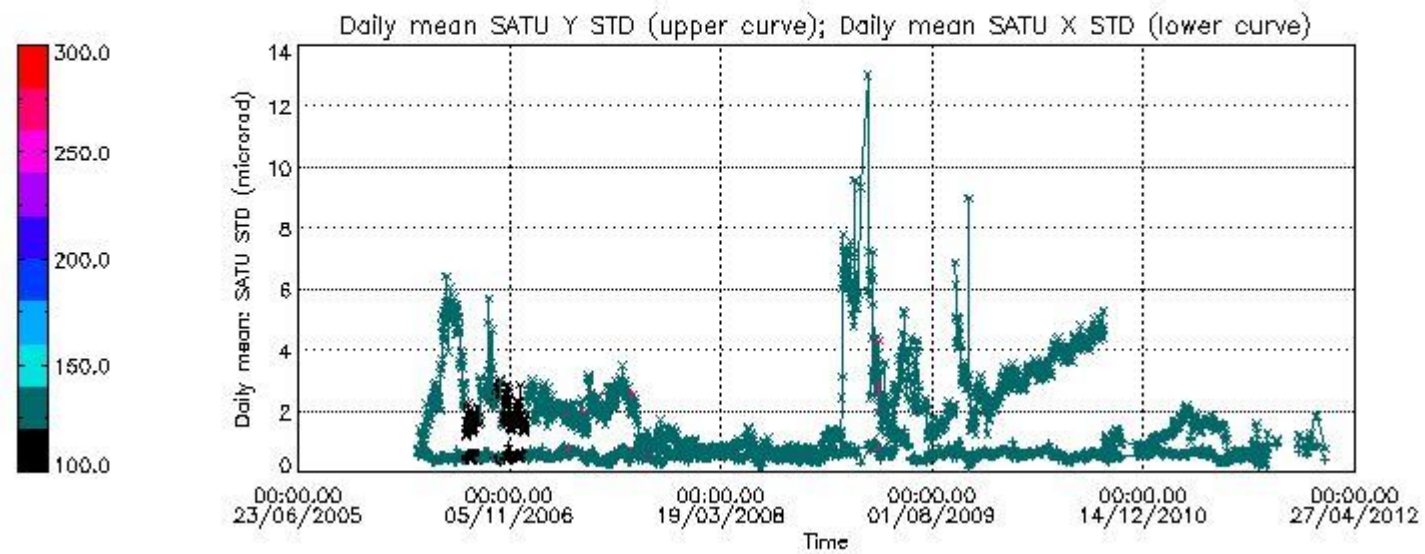
7.2.2 Trend of daily SATU NEA St. deviation since 1st April 2006 (dark limb) and of daily SATU NEA 90th percentile since May 2011

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.

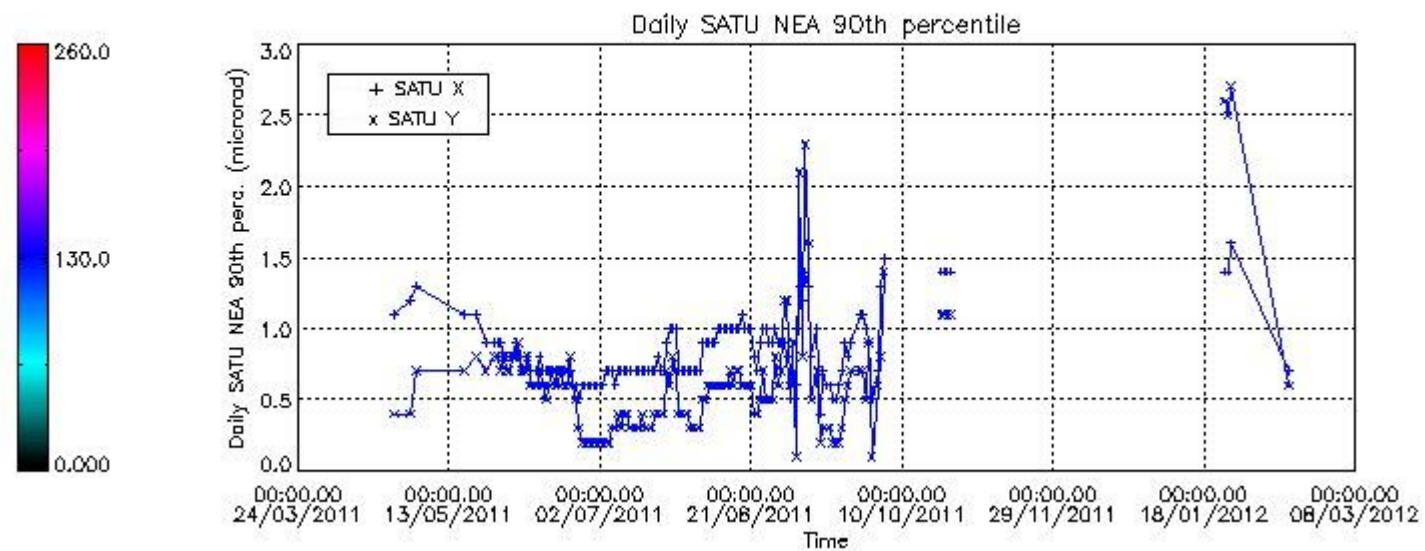
Upper curve: STD of SATU Y axis

Lower curve: STD of SATU X axis



Lower curve: 90th percentile of SATU Y axis

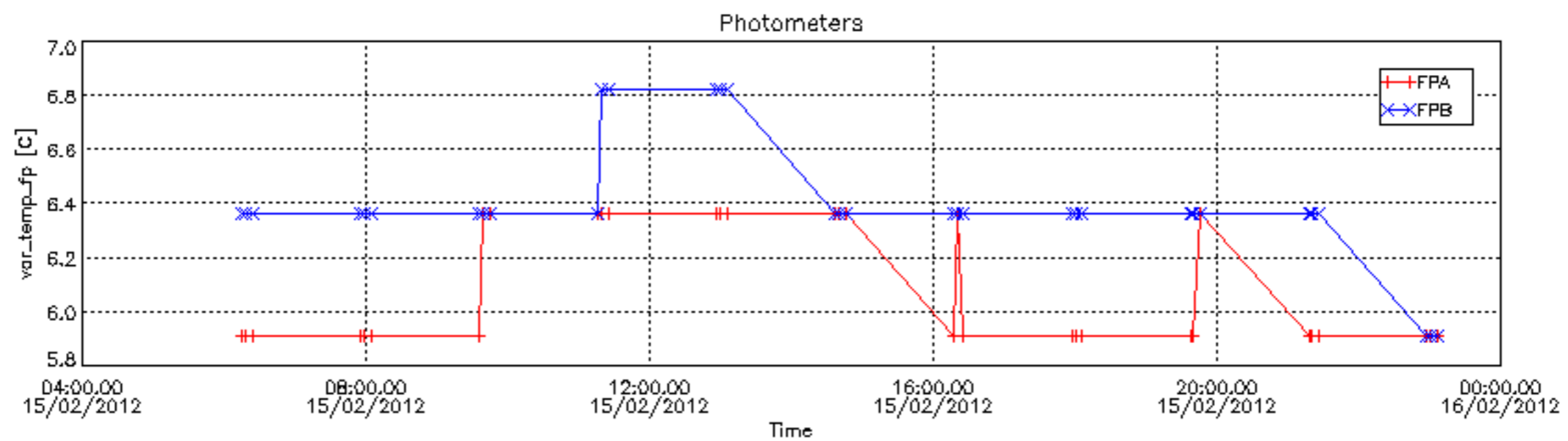
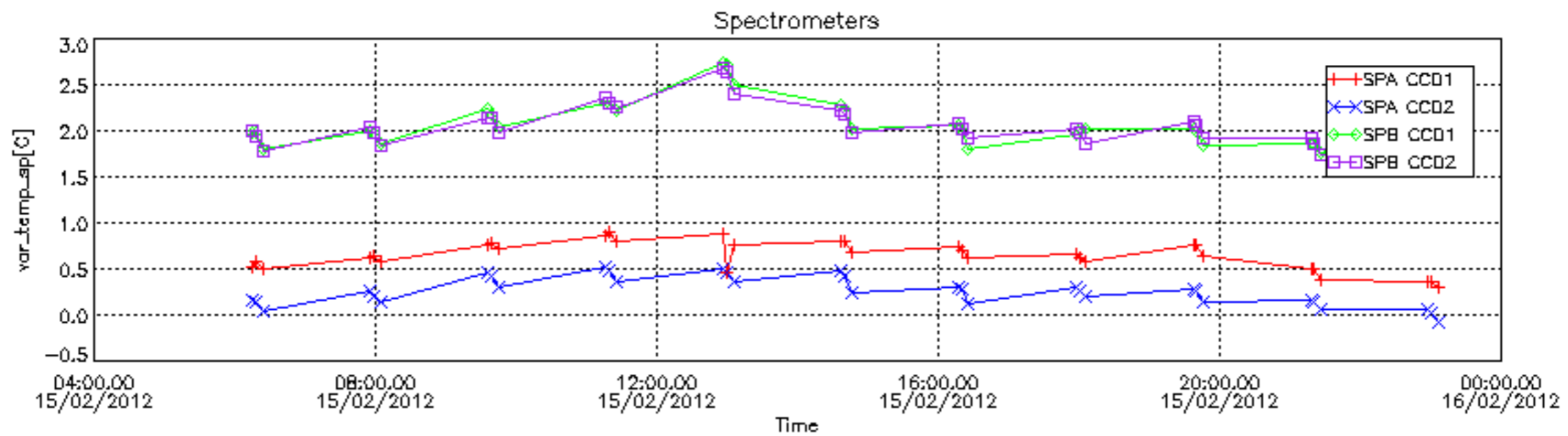
Upper curve: 90th percentile of SATU X axis

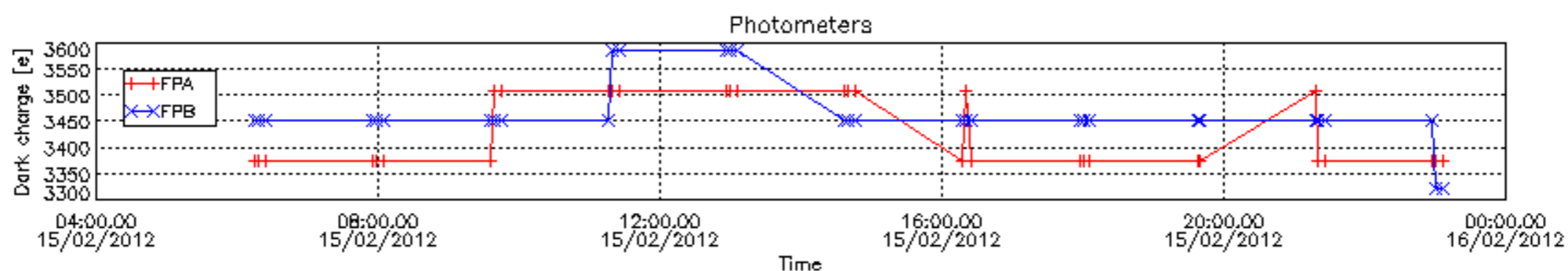
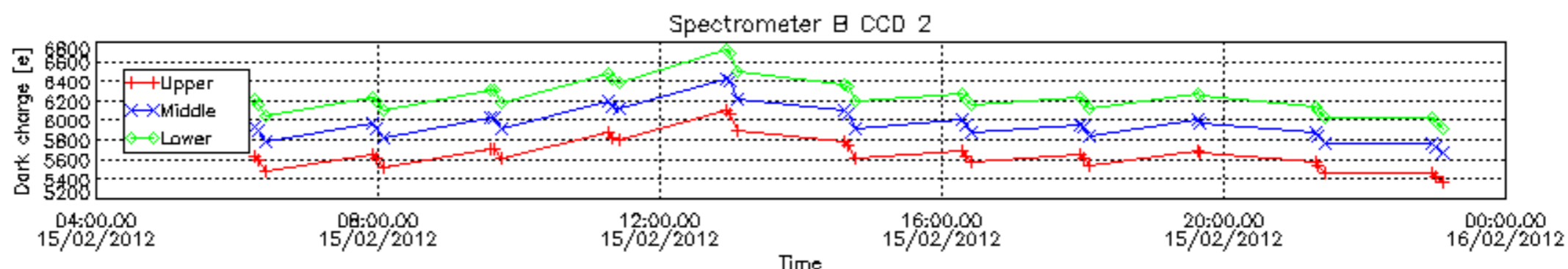
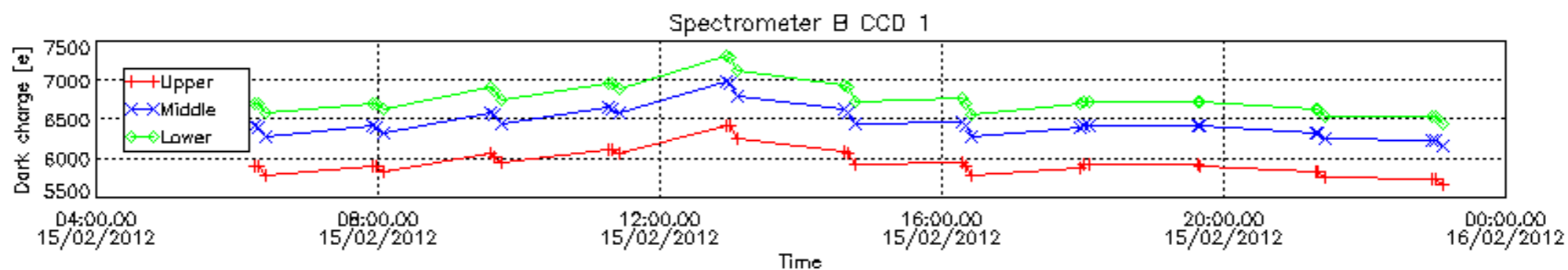
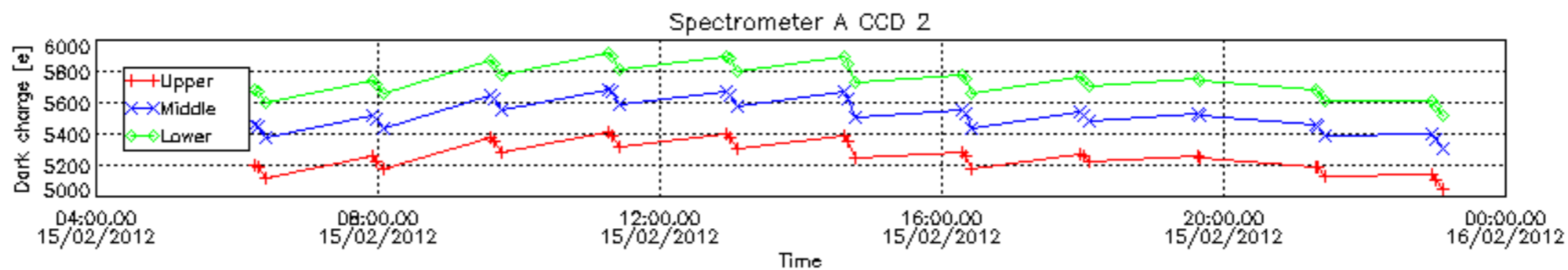
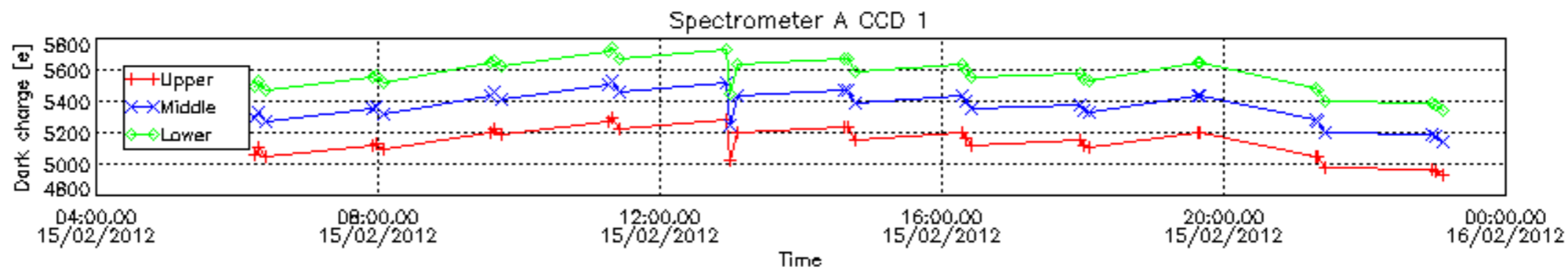


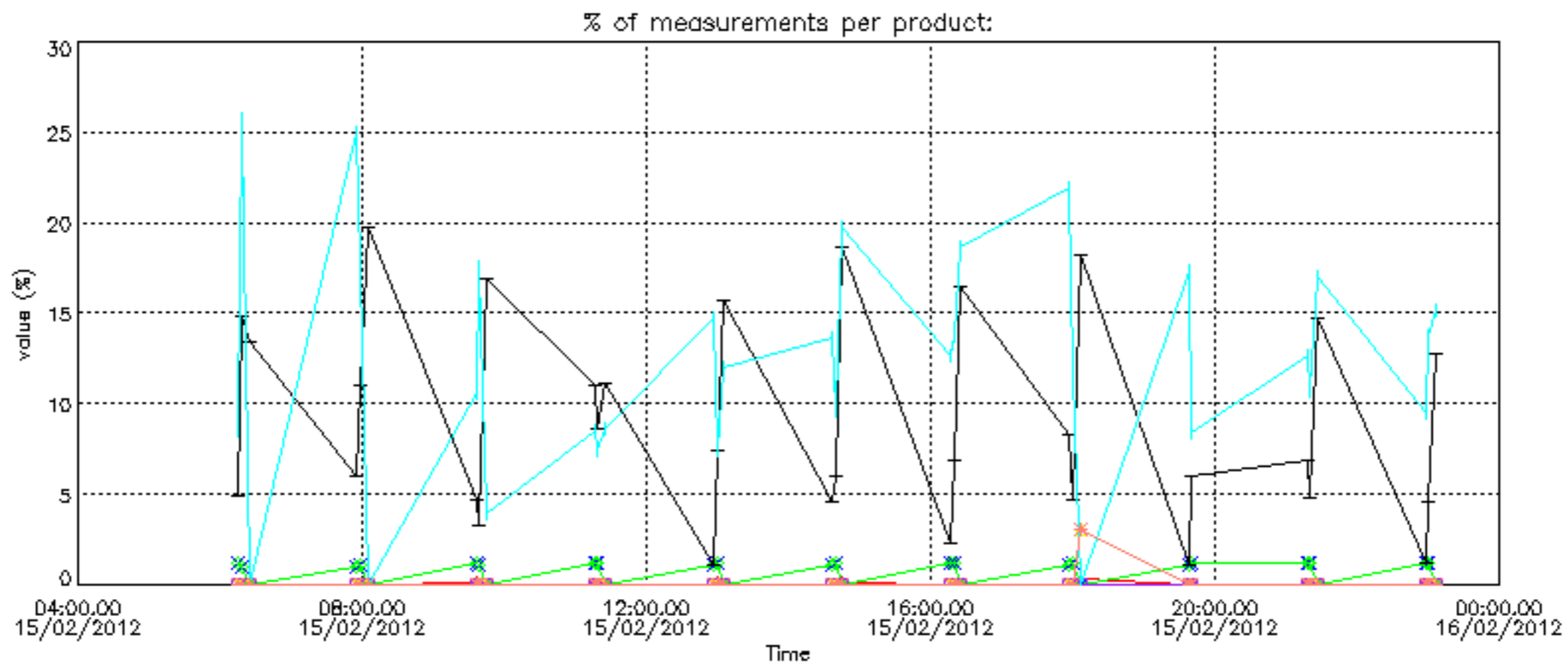
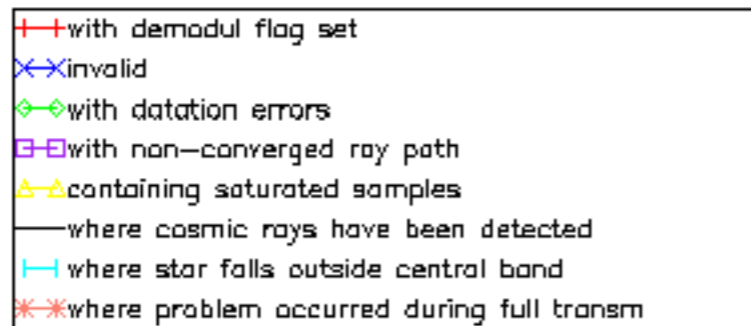
8. Auxiliary Data Files used for the production reported in section 2.4

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.

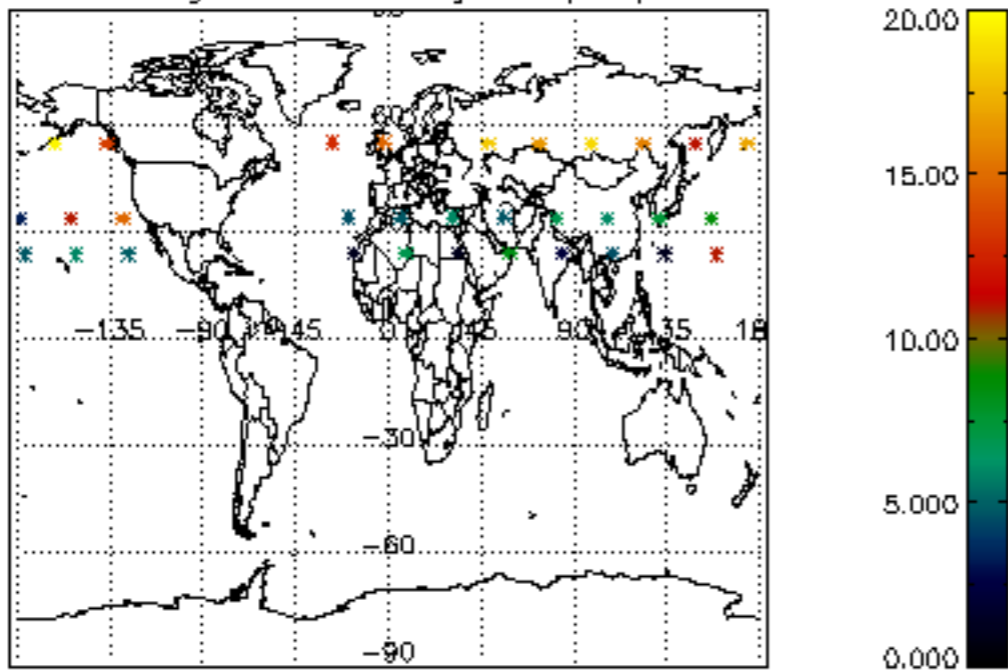
Type	Auxiliary Filename	Used since product	Used since product date
INST_PHYS_CHARACTERISTICS	GOM_INS_AXVIEC20111213_163131_20111215_000000_20500101_000000	1	15-FEB-2012 06:15:34
CALIBRATION_DATABASE	GOM_CAL_AXVIEC20120130_103112_20120125_000000_20500101_000000	1	15-FEB-2012 06:15:34
LEVEL-1B_PROC_CONFIG	GOM_PR1_AXVIEC20110513_081743_20020301_000000_20500101_000000	1	15-FEB-2012 06:15:34
STAR_CATALOGUE	GOM_CAT_AXVIEC20020121_161009_20020101_000000_20200101_000000	1	15-FEB-2012 06:15:34
STELLAR_SPECTRA_DATABANK	GOM_STS_AXVIEC20091111_151504_20020101_160000_20500101_000000	1	15-FEB-2012 06:15:34
ECMWF_FILE	AUX_ECA_AXNECM20120215_061240_20120214_210000_20120215_090000	1	15-FEB-2012 06:15:34
ECMWF_FILE	AUX_ECF_AXNECM20120215_061240_20120215_090000_20120215_210000	7	15-FEB-2012 09:36:03
ECMWF_FILE	AUX_ECF_AXNECM20120215_061241_20120215_150000_20120216_030000	19	15-FEB-2012 16:17:01
ECMWF_FILE	AUX_ECA_AXNECM20120215_180114_20120215_090000_20120215_210000	25	15-FEB-2012 19:37:30
ECMWF_FILE	AUX_ECF_AXNECM20120215_061241_20120215_210000_20120216_090000	28	15-FEB-2012 21:17:45
OPTIONAL_ECMWF_FILE	MISSING	1	15-FEB-2012 06:15:34
ORBIT_DATA_FILE	AUX_FPO_AXVPDS20120214_232648_20120214_182721_20120224_204059	1	15-FEB-2012 06:15:34
ORBIT_DATA_FILE	AUX_FPO_AXVPDS20120215_232113_20120215_193050_20120225_200414	31	15-FEB-2012 22:57:59



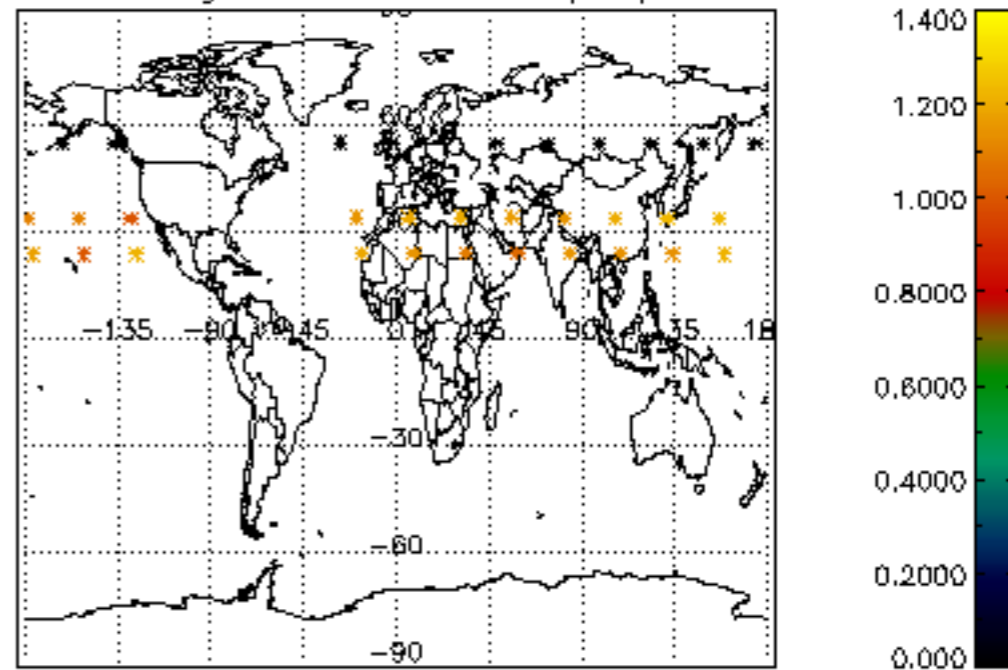




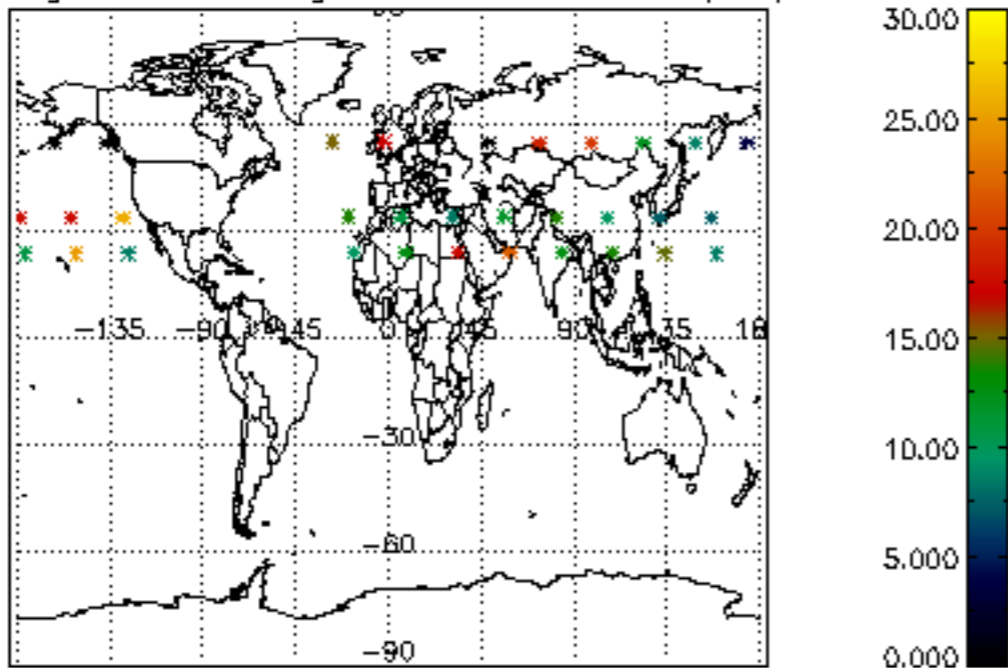
Percentage of cosmic ray hits per profile



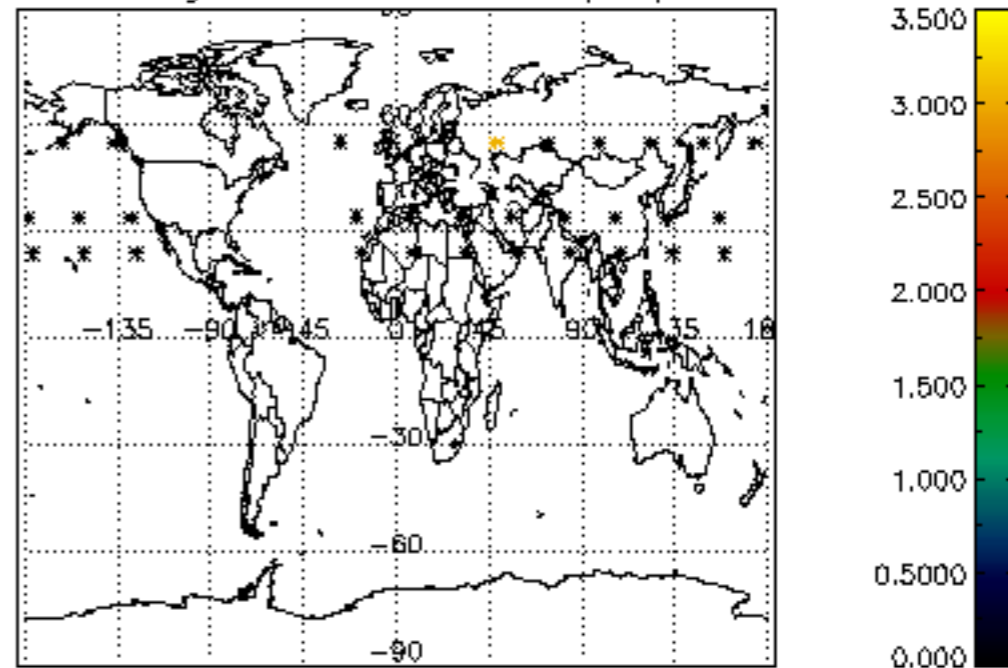
Percentage of datation errors per profile



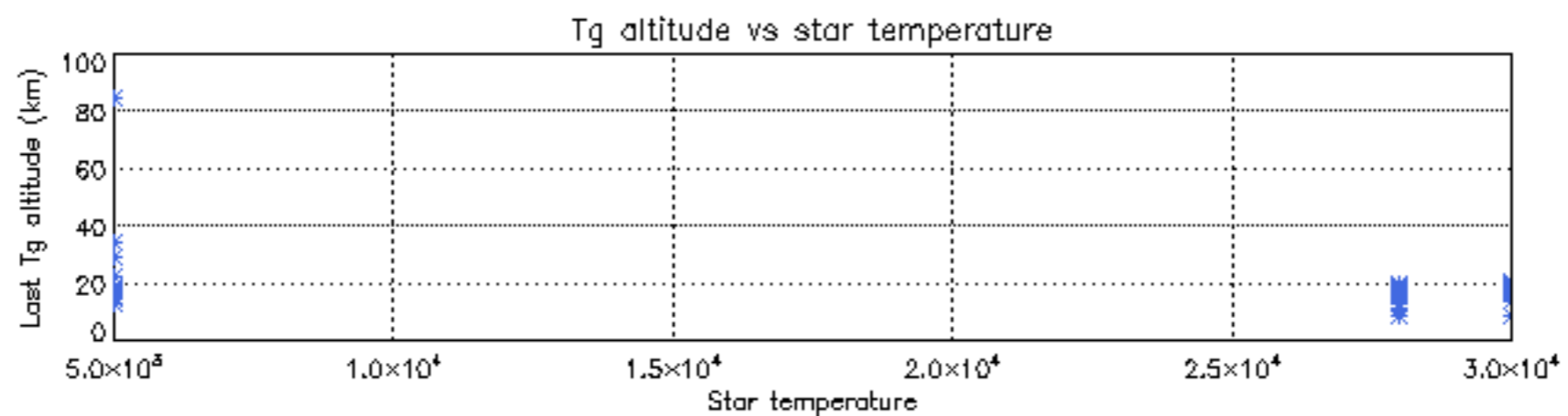
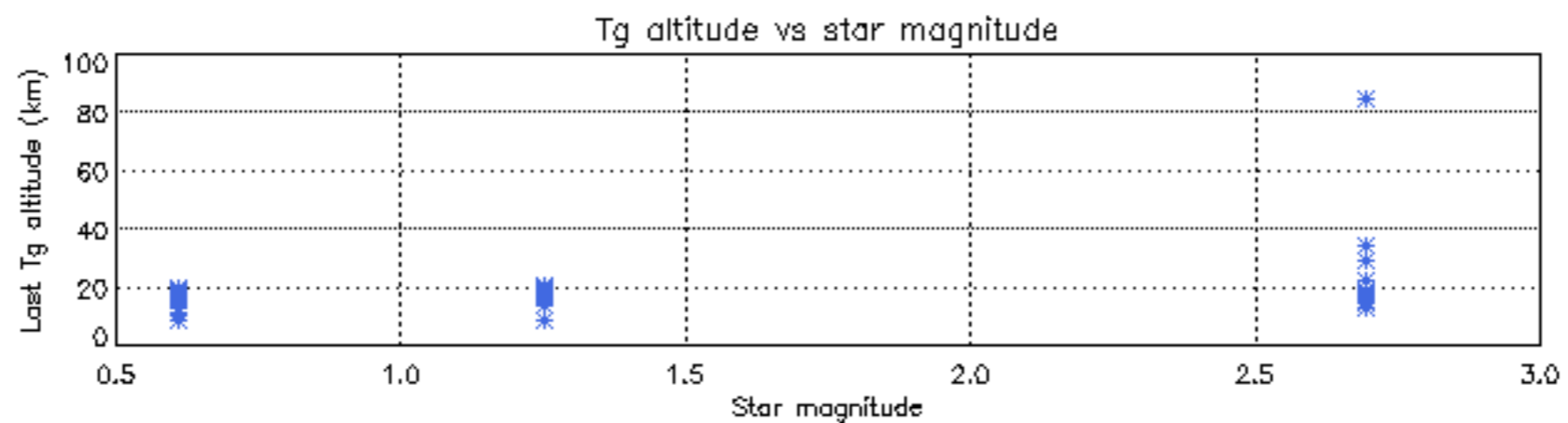
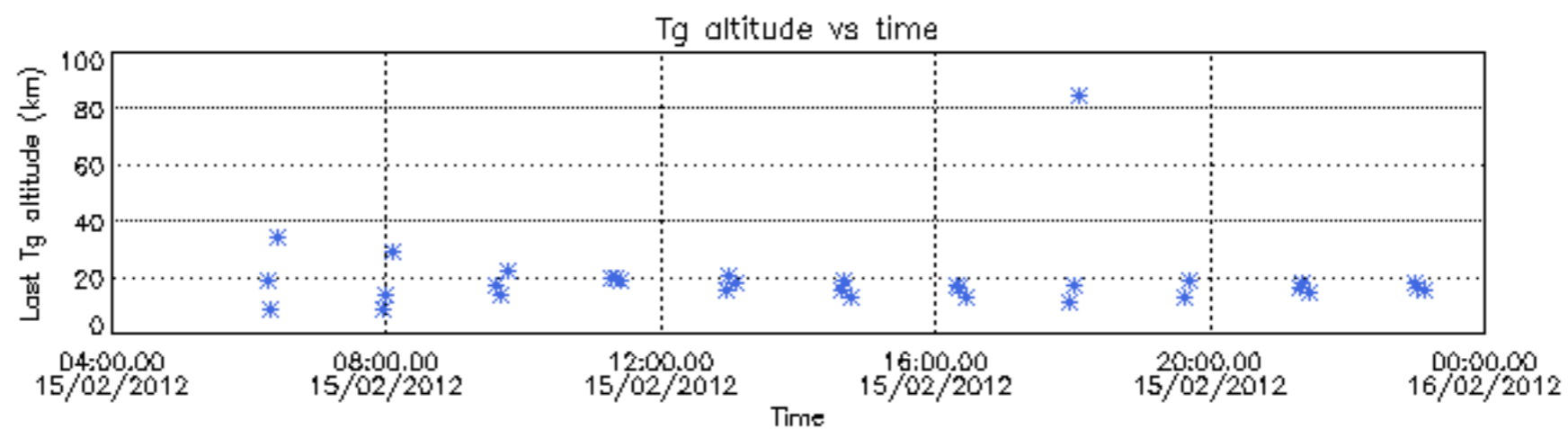
Percentage of star falling outside central band per profile

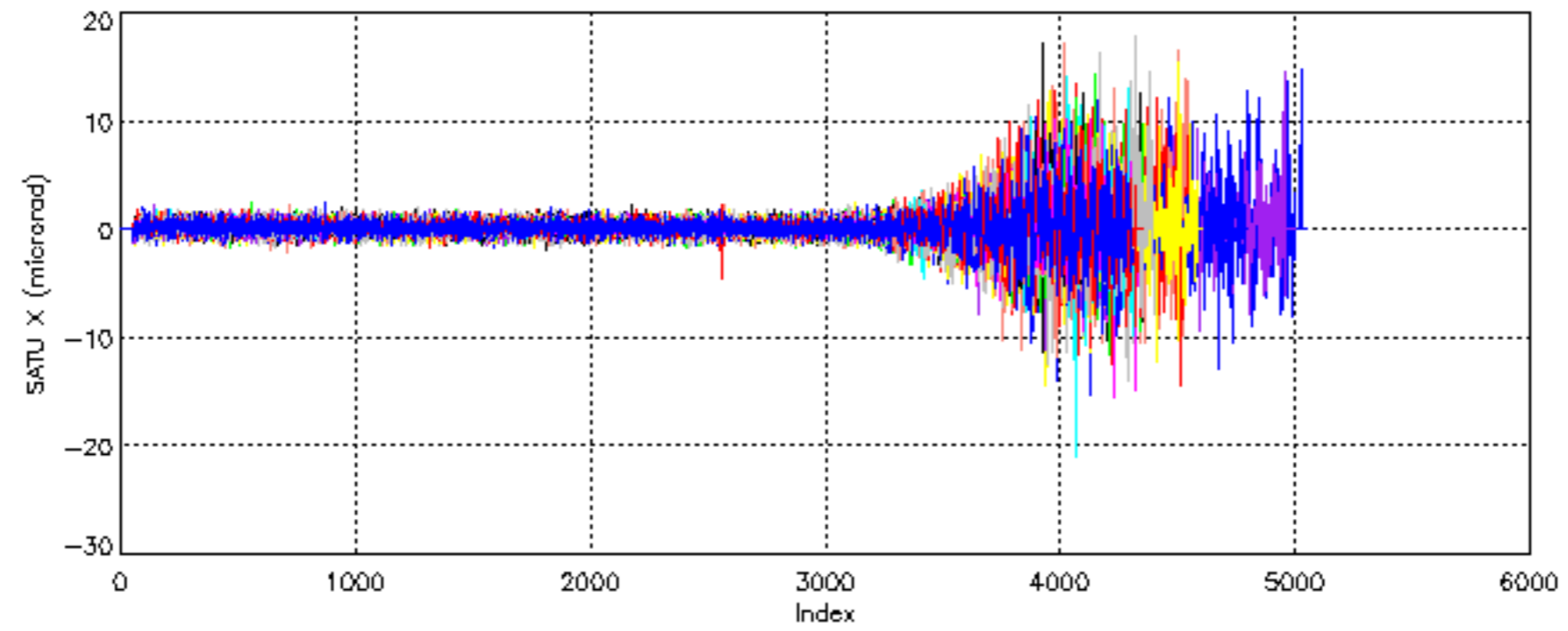


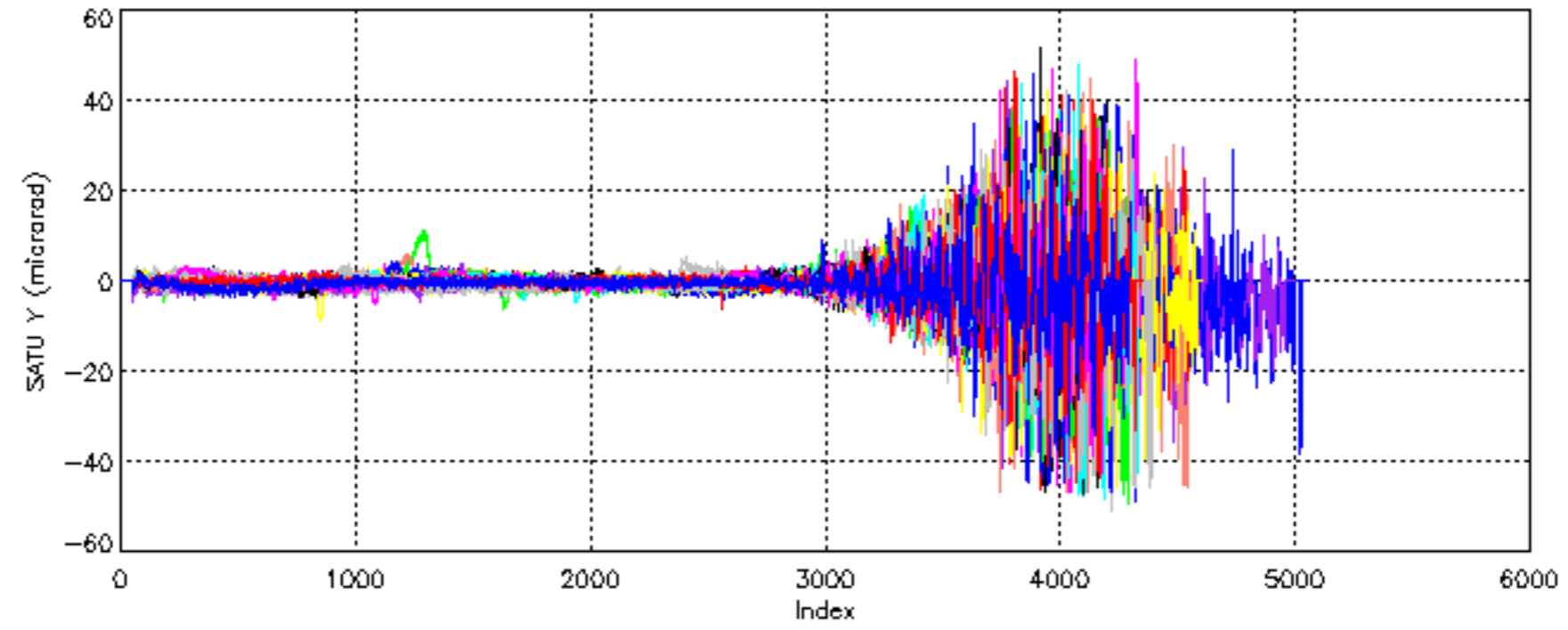
Percentage of saturation errors per profile

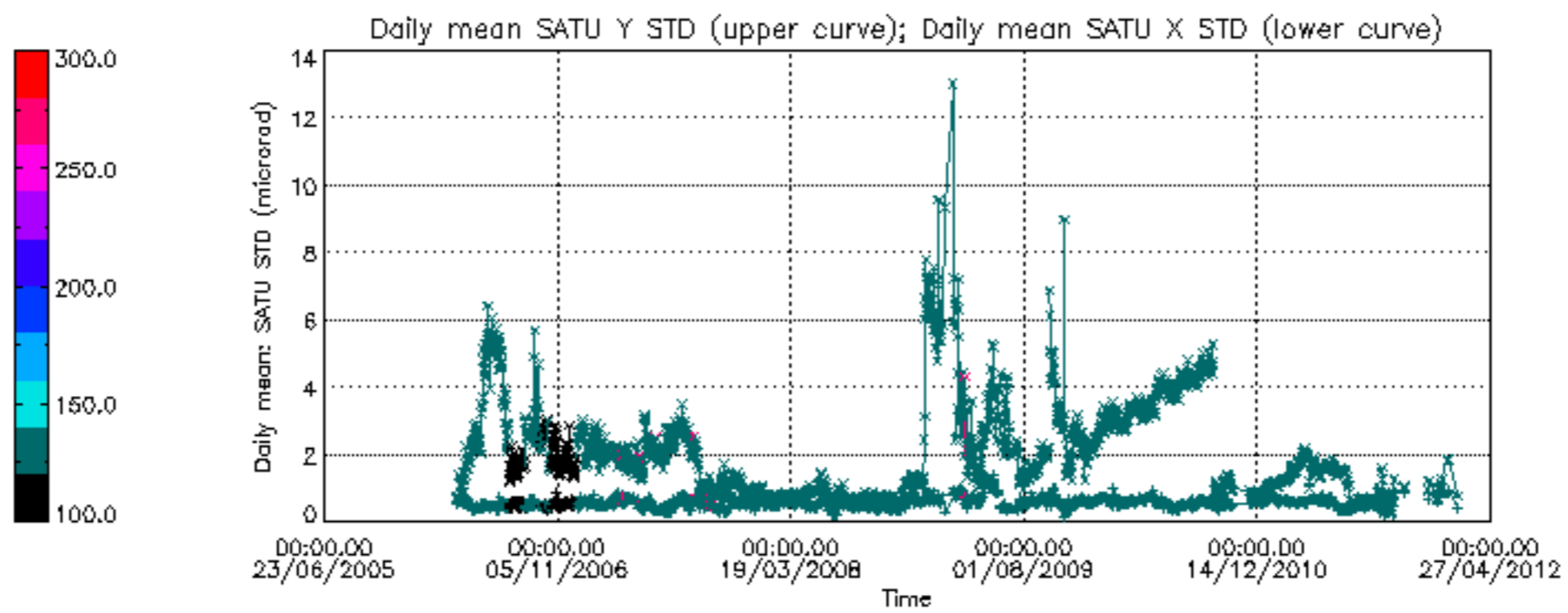


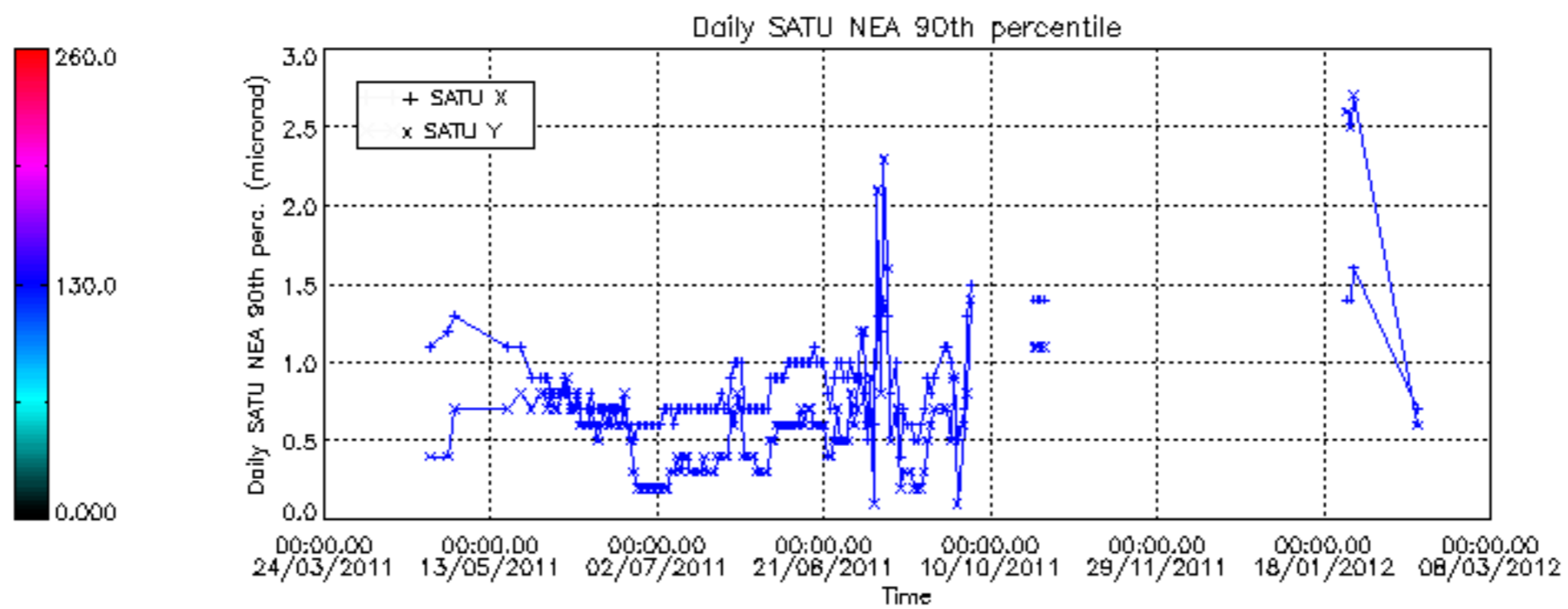
Tangent altitude at which the star is lost











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2; 564.2; 15-FEB-2012 06:18:23; Dark ; 50.5; 20; Bet Cru ; 1.25; 30000;occ; 101; 0;52103
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2; 569.2; 15-FEB-2012 21:20:33; Dark ; 42.0; 20; Bet Cru ; 1.25; 30000;occ; 84; 0;52112
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2; 569.8; 15-FEB-2012 23:00:48; Dark ; 43.5; 20; Bet Cru ; 1.25; 30000;occ; 87; 0;52113
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2; 564.7; 15-FEB-2012 07:58:37; Dark ; 45.5; 20; Bet Cru ; 1.25; 30000;occ; 91; 0;52104
3; 921.3; 15-FEB-2012 08:04:34; Dark ; 35.5; 113; Mu Vel ; 2.69; 5000;occ; 71; 0;52104
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3; 923.5; 15-FEB-2012 16:25:46; Dark ; 45.5; 113; Mu Vel ; 2.69; 5000;occ; 91; 0;52109
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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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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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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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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
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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
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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; 453.7; 21-FEB-2012 22:38:48; Dark ; 44.5; 10; Bet Cen ; 0.61; 28000;occ; 89; 0;52199
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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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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; 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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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