

GOMOS Daily Report 04-MAR-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	07MAR2012 07:01:26
Data source version	GOMOS/6.01
Start time of products	04MAR2012 00:46:33
Stop time of products	04MAR2012 23:46:15
Store outputs in DB	Yes
Nb of level 1b prods	22
Nb of prods with errors	0

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

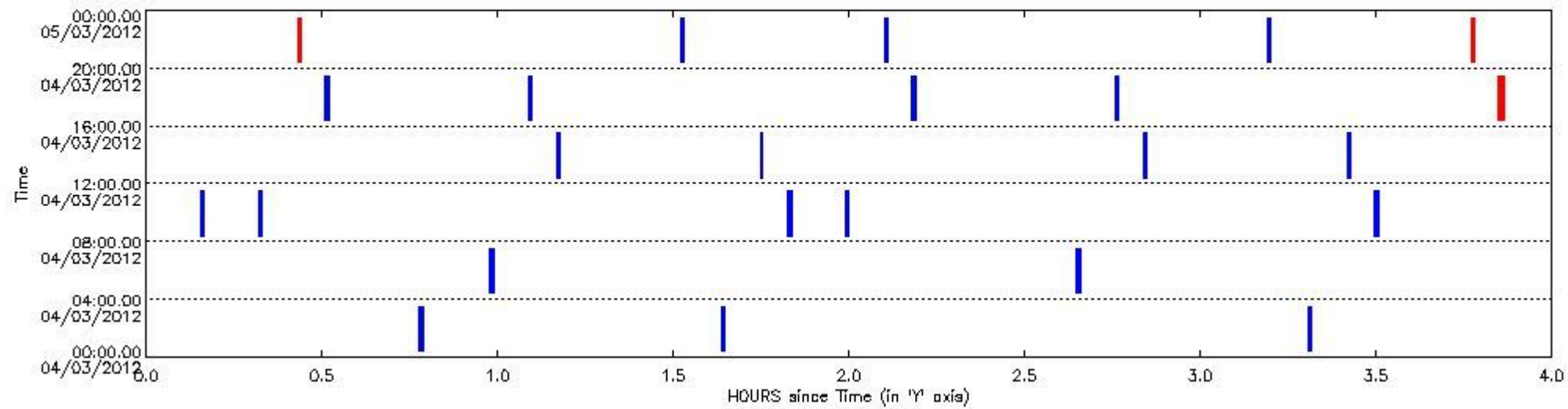
2.1 Level 0 products arrived in PCF (see template [here](#))

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)

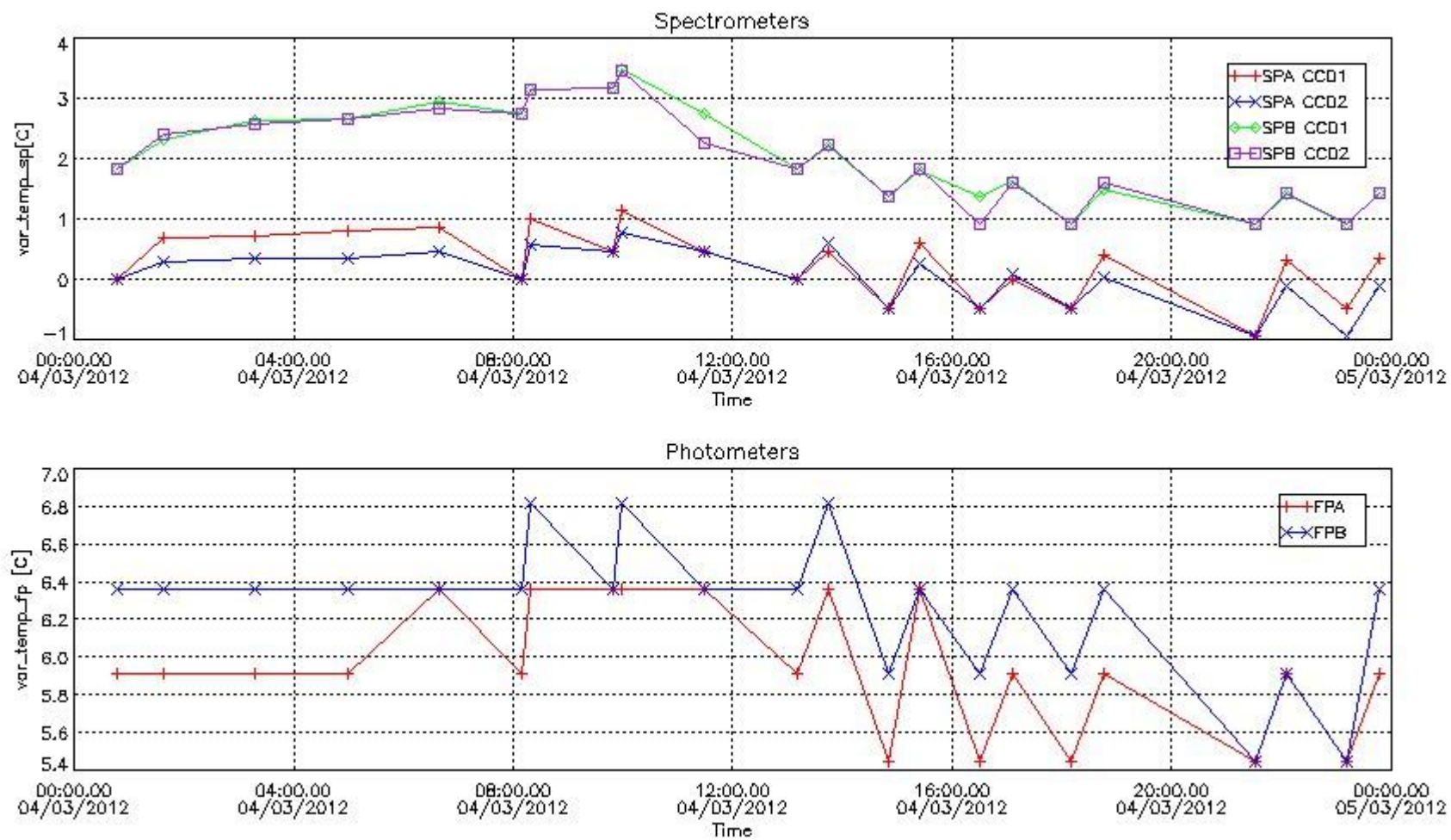
UTC start time	Star name	Star ID	Orbit
04-MAR-2012 19:50:54	50GamAql	118	52383
04-MAR-2012 20:25:45	DelCen	99	52383
04-MAR-2012 23:46:13	DelCen	99	52385

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_1PNPDE20120304_004633_000000393112_00189_52358_4826.N1	04-MAR-2012 00:46:33	Bright	38.500	166	17Eps Leo	2.9800	6000.0	77	52358	No
2	GOM_TRA_1PNPDE20120304_013808_000000443112_00189_52358_4849.N1	04-MAR-2012 01:38:08	Dark	44.000	155	41Pi Sgr	2.9000	6600.0	88	52358	No
3	GOM_TRA_1PNPDE20120304_031822_000000413112_00190_52359_4889.N1	04-MAR-2012 03:18:22	Dark	41.000	155	41Pi Sgr	2.9000	6600.0	82	52359	No
4	GOM_TRA_1PNPDE20120304_045837_000000443112_00191_52360_4943.N1	04-MAR-2012 04:58:37	Dark	44.000	155	41Pi Sgr	2.9000	6600.0	88	52360	No
5	GOM_TRA_1PNPDK20120304_063852_000000413112_00192_52361_9596.N1	04-MAR-2012 06:38:52	Dark	40.500	155	41Pi Sgr	2.9000	6600.0	81	52361	No
6	GOM_TRA_1PNPDK20120304_080916_000000393112_00193_52362_9631.N1	04-MAR-2012 08:09:16	Bright	38.500	118	50Gam Aql	2.7180	4600.0	77	52362	No
7	GOM_TRA_1PNPDK20120304_081906_000000343112_00193_52362_9632.N1	04-MAR-2012 08:19:06	Dark	33.500	155	41Pi Sgr	2.9000	6600.0	67	52362	No
8	GOM_TRA_1PNPDK20120304_094930_000000403112_00194_52363_9666.N1	04-MAR-2012 09:49:30	Bright	39.500	118	50Gam Aql	2.7180	4600.0	79	52363	No

9	GOM_TRA_1PNPDK20120304_095920_000000273112_00194_52363_9667.N1	04-MAR-2012 09:59:20	Dark	26.500	155	41Pi Sgr	2.9000	6600.0	53	52363	No
10	GOM_TRA_1PNPDK20120304_112944_000000393112_00195_52364_9699.N1	04-MAR-2012 11:29:44	Bright	39.000	118	50Gam Aql	2.7180	4600.0	78	52364	No
11	GOM_TRA_1PNPDK20120304_130959_000000413112_00196_52365_9739.N1	04-MAR-2012 13:09:59	Bright	40.500	118	50Gam Aql	2.7180	4600.0	81	52365	No
12	GOM_TRA_1PNPDK20120304_134449_000000263112_00197_52366_9740.N1	04-MAR-2012 13:44:49	Dark	25.500	99	Del Cen	2.5750	26000.	51	52366	No
13	GOM_TRA_1PNPDK20120304_145013_000000413112_00197_52366_9781.N1	04-MAR-2012 14:50:13	Bright	40.500	118	50Gam Aql	2.7180	4600.0	81	52366	No
14	GOM_TRA_1PNPDK20120304_152503_000000293112_00198_52367_9782.N1	04-MAR-2012 15:25:03	Dark	28.500	99	Del Cen	2.5750	26000.	57	52367	No
15	GOM_TRA_1PNPDK20120304_163027_000000413112_00198_52367_9812.N1	04-MAR-2012 16:30:27	Bright	40.500	118	50Gam Aql	2.7180	4600.0	81	52367	No
16	GOM_TRA_1PNPDK20120304_170518_000000313112_00199_52368_9813.N1	04-MAR-2012 17:05:18	Dark	30.500	99	Del Cen	2.5750	26000.	61	52368	No
17	GOM_TRA_1PNPDK20120304_181042_000000403112_00199_52368_9835.N1	04-MAR-2012 18:10:42	Bright	40.000	118	50Gam Aql	2.7180	4600.0	80	52368	No
18	GOM_TRA_1PNPDK20120304_184532_000000333112_00200_52369_9836.N1	04-MAR-2012 18:45:32	Dark	32.500	99	Del Cen	2.5750	26000.	65	52369	No
19	GOM_TRA_1PNPDE20120304_213110_000000393112_00201_52370_5167.N1	04-MAR-2012 21:31:10	Bright	39.000	118	50Gam Aql	2.7180	4600.0	78	52370	No
20	GOM_TRA_1PNPDE20120304_220601_000000383112_00202_52371_5191.N1	04-MAR-2012 22:06:01	Dark	38.000	99	Del Cen	2.5750	26000.	76	52371	No
21	GOM_TRA_1PNPDE20120304_231124_000000423112_00202_52371_5192.N1	04-MAR-2012 23:11:24	Bright	41.500	118	50Gam Aql	2.7180	4600.0	83	52371	No
22	GOM_TRA_1PNPDE20120304_234615_000000403112_00203_52372_5218.N1	04-MAR-2012 23:46:15	Dark	40.000	99	Del Cen	2.5750	26000.	80	52372	No

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



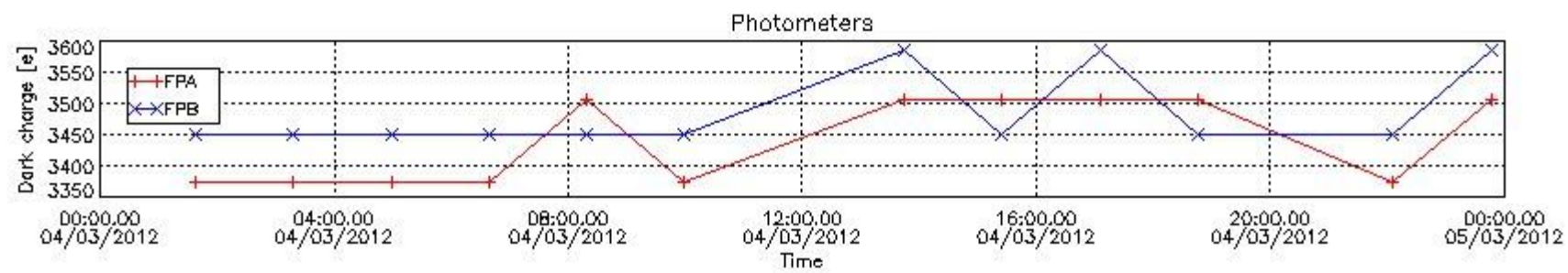
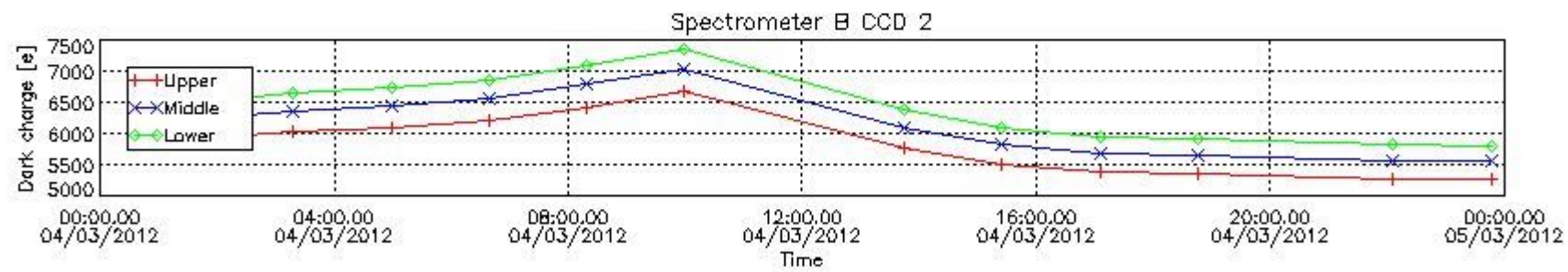
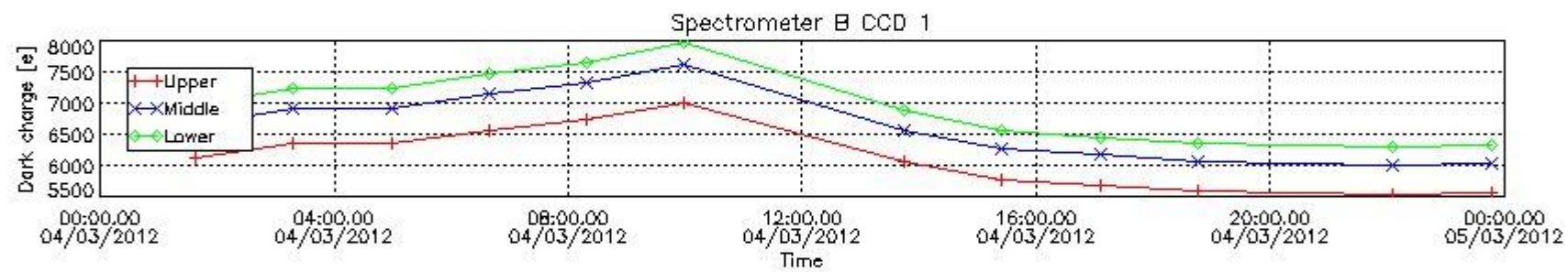
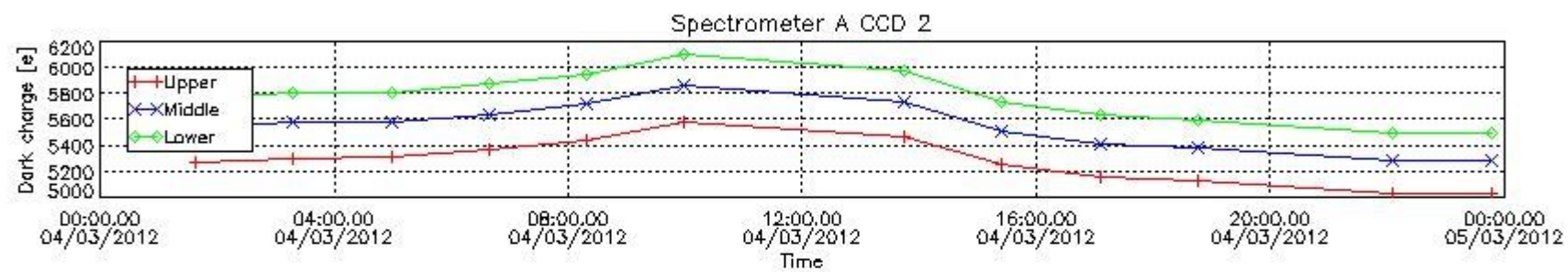
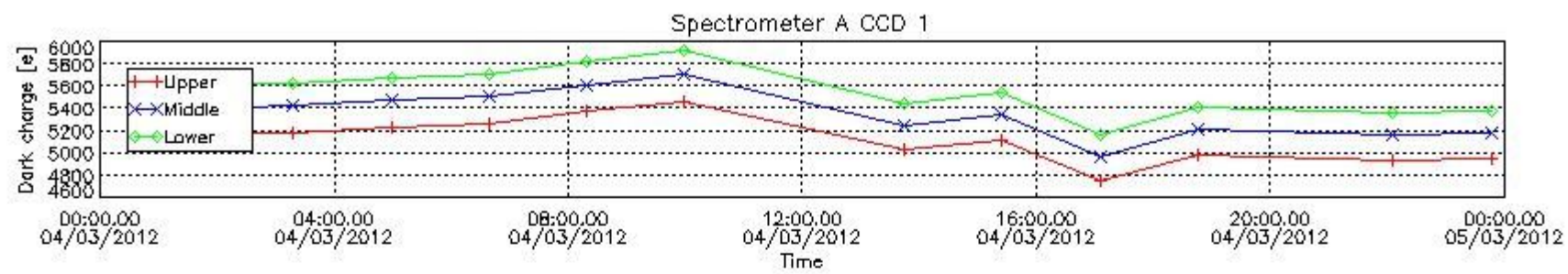
4. Overview of dark signal processing per product

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_1PNPDE20120304_004633_000000393112_00189_52358_4826.N1	DC map used
GOM_TRA_1PNPDE20120304_013808_000000443112_00189_52358_4849.N1	DC map used
GOM_TRA_1PNPDE20120304_031822_000000413112_00190_52359_4889.N1	DC map used
GOM_TRA_1PNPDE20120304_045837_000000443112_00191_52360_4943.N1	DC map used
GOM_TRA_1PNPDK20120304_063852_000000413112_00192_52361_9596.N1	DC map used
GOM_TRA_1PNPDK20120304_080916_000000393112_00193_52362_9631.N1	DC map used
GOM_TRA_1PNPDK20120304_081906_000000343112_00193_52362_9632.N1	DC map used
GOM_TRA_1PNPDK20120304_094930_000000403112_00194_52363_9666.N1	DC map used
GOM_TRA_1PNPDK20120304_095920_000000273112_00194_52363_9667.N1	DC map used
GOM_TRA_1PNPDK20120304_112944_000000393112_00195_52364_9699.N1	DC map used
GOM_TRA_1PNPDK20120304_130959_000000413112_00196_52365_9739.N1	DC map used
GOM_TRA_1PNPDK20120304_134449_000000263112_00197_52366_9740.N1	DC map used
GOM_TRA_1PNPDK20120304_145013_000000413112_00197_52366_9781.N1	DC map used
GOM_TRA_1PNPDK20120304_152503_000000293112_00198_52367_9782.N1	DC map used
GOM_TRA_1PNPDK20120304_163027_000000413112_00198_52367_9812.N1	DC map used
GOM_TRA_1PNPDK20120304_170518_000000313112_00199_52368_9813.N1	DC map used
GOM_TRA_1PNPDK20120304_181042_000000403112_00199_52368_9835.N1	DC map used
GOM_TRA_1PNPDK20120304_184532_000000333112_00200_52369_9836.N1	DC map used
GOM_TRA_1PNPDE20120304_213110_000000393112_00201_52370_5167.N1	DC map used
GOM_TRA_1PNPDE20120304_220601_000000383112_00202_52371_5191.N1	DC map used
GOM_TRA_1PNPDE20120304_231124_000000423112_00202_52371_5192.N1	DC map used
GOM_TRA_1PNPDE20120304_234615_000000403112_00203_52372_5218.N1	DC map used

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



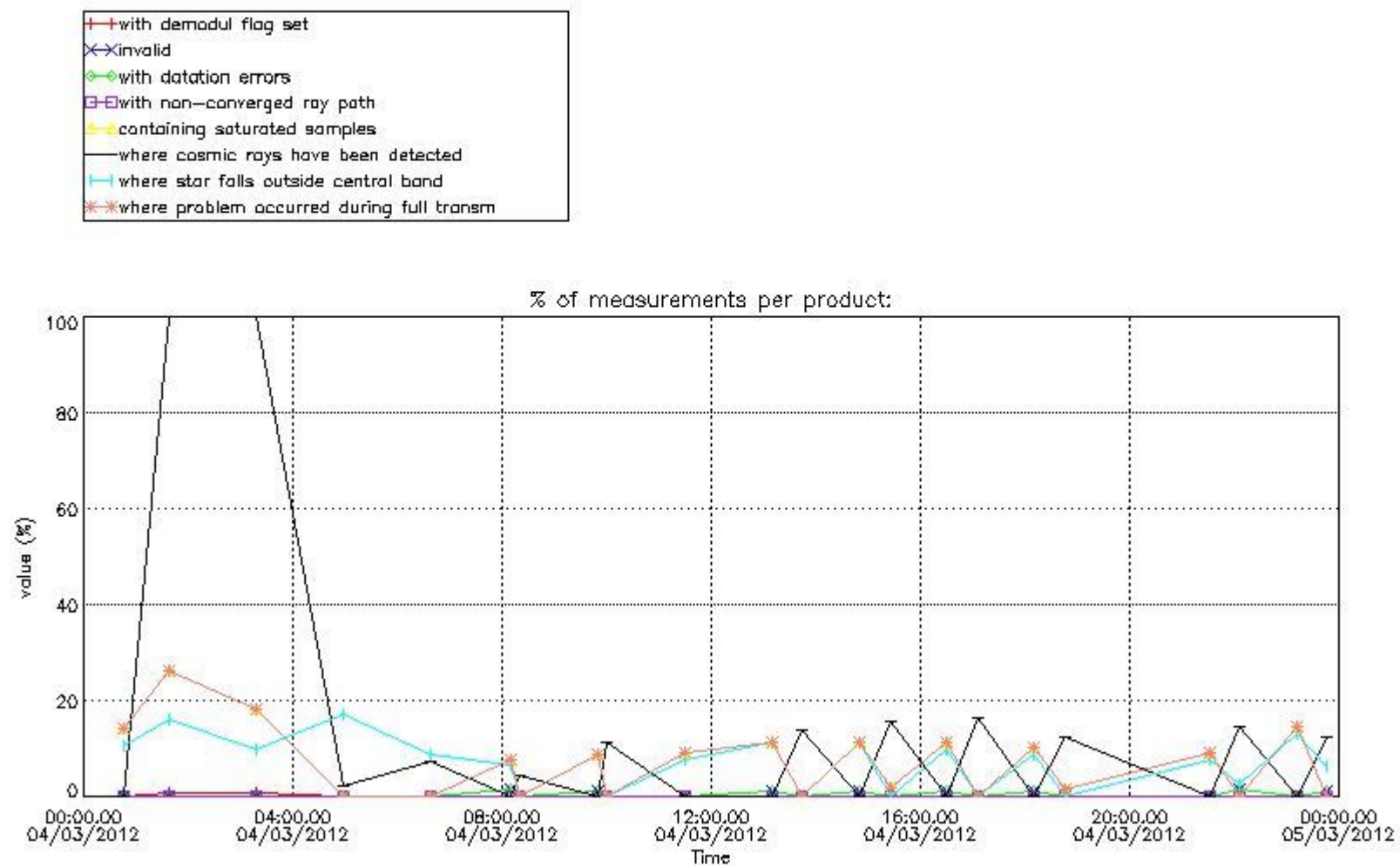
5. Demodulation flag and quality information monitoring

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.

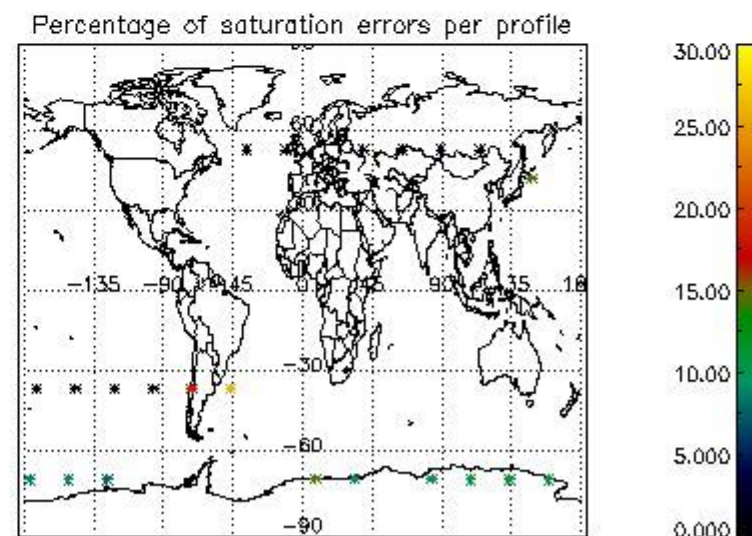
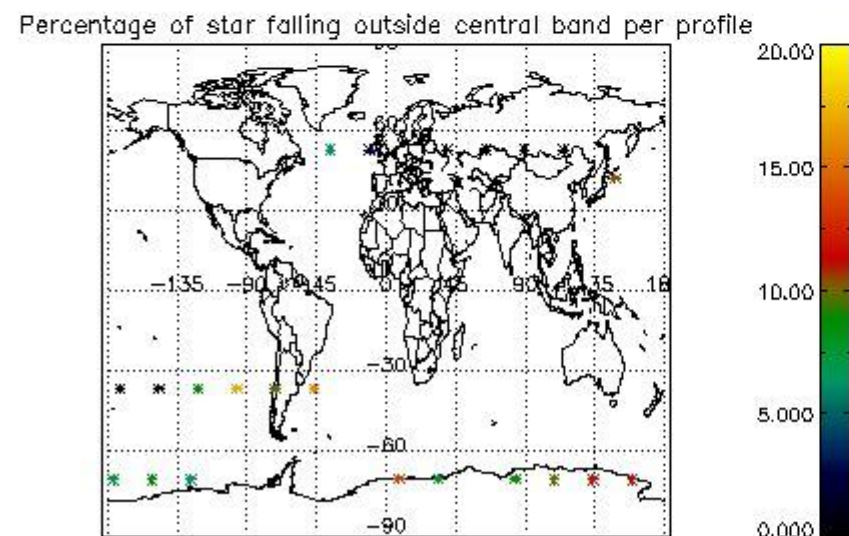
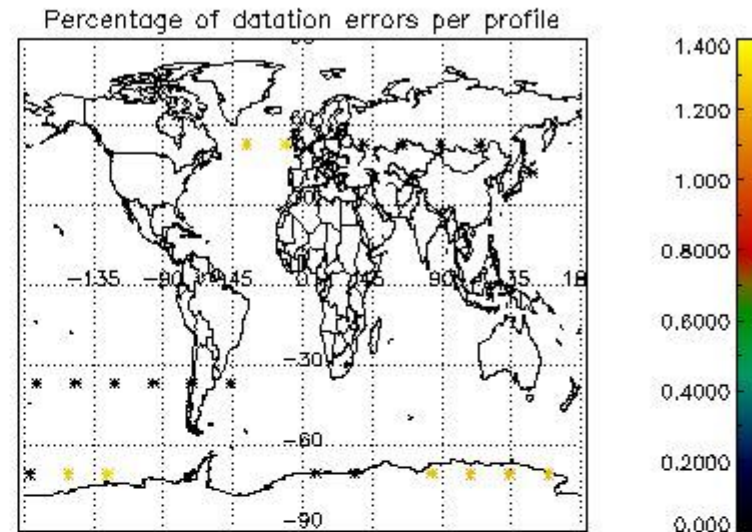
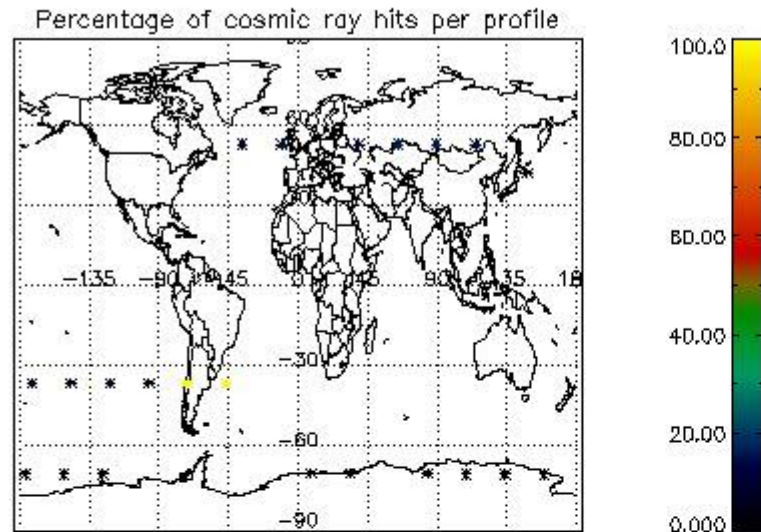
5.1 Percentage of products during reporting period with:

At least one measurement with demodulation flag set:	45.4545 %
Reference spectrum computed from DB:	0.00000 %
Reference spectrum with small number of measurements:	0.00000 %
SATU data not used:	45.4545 %

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:

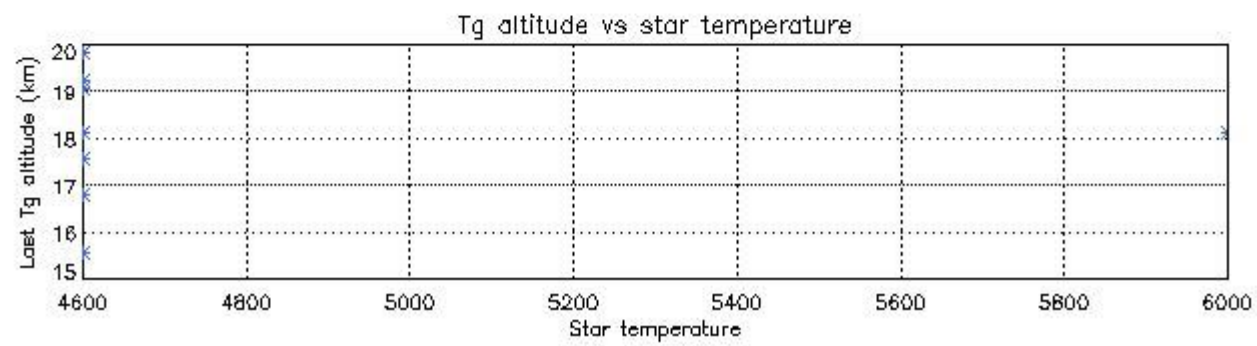
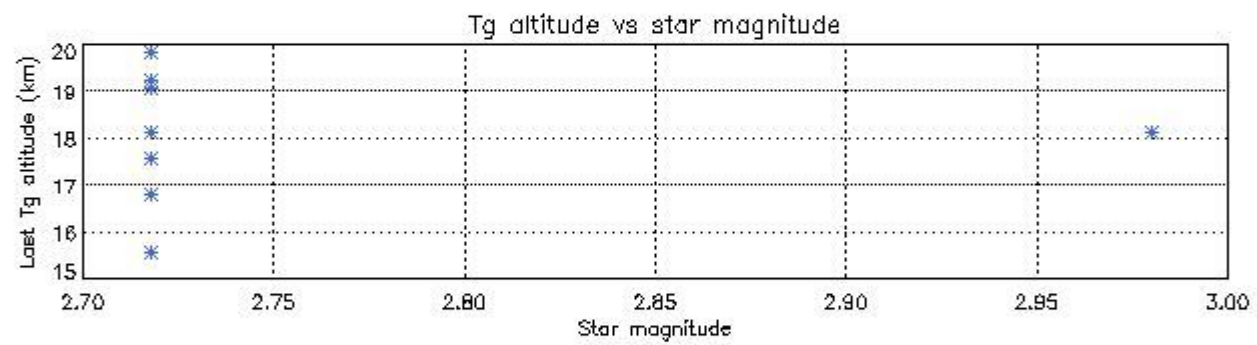
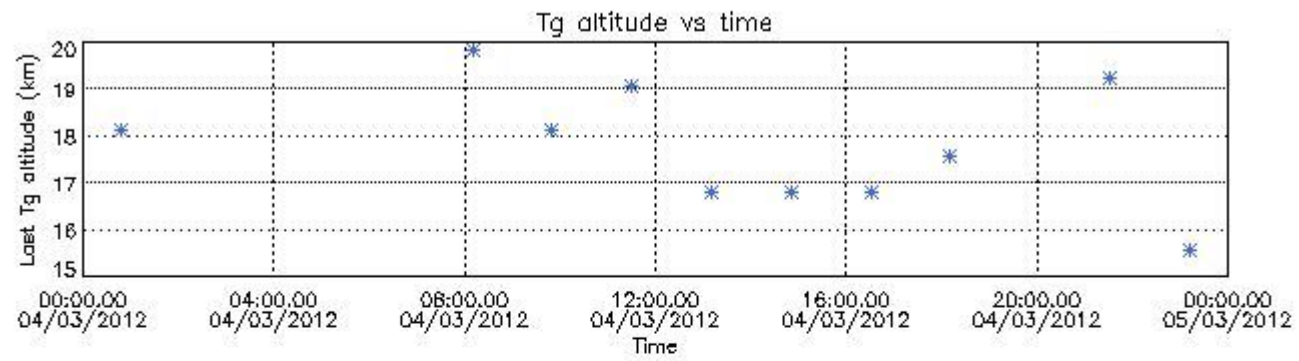
Statistics	DARK	BRIGHT	TWILIGHT
Mean:	32.053	17.786	NaN
St. deviation:	16.422	1.3350	NaN
Maximum:	58.057	19.833	NaN
Minimum:	13.626	15.554	NaN
Number of data:	12.000	10.000	NaN

6.2 Plot for DARK limb products



6.3 Plot for BRIGHT limb products

Tangent altitude at which the star is lost

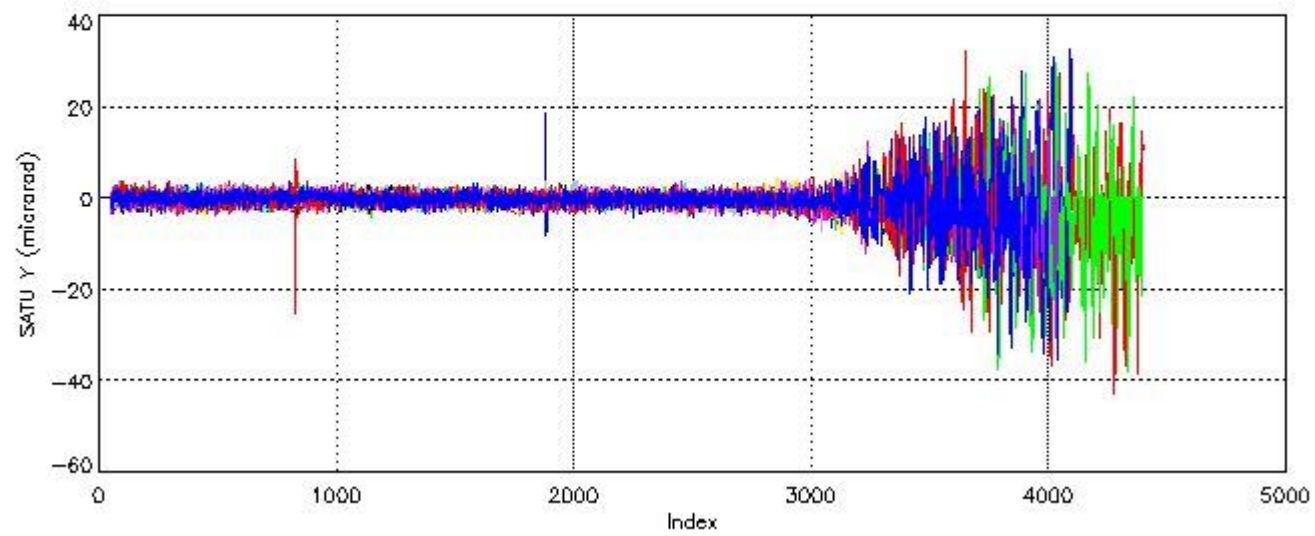
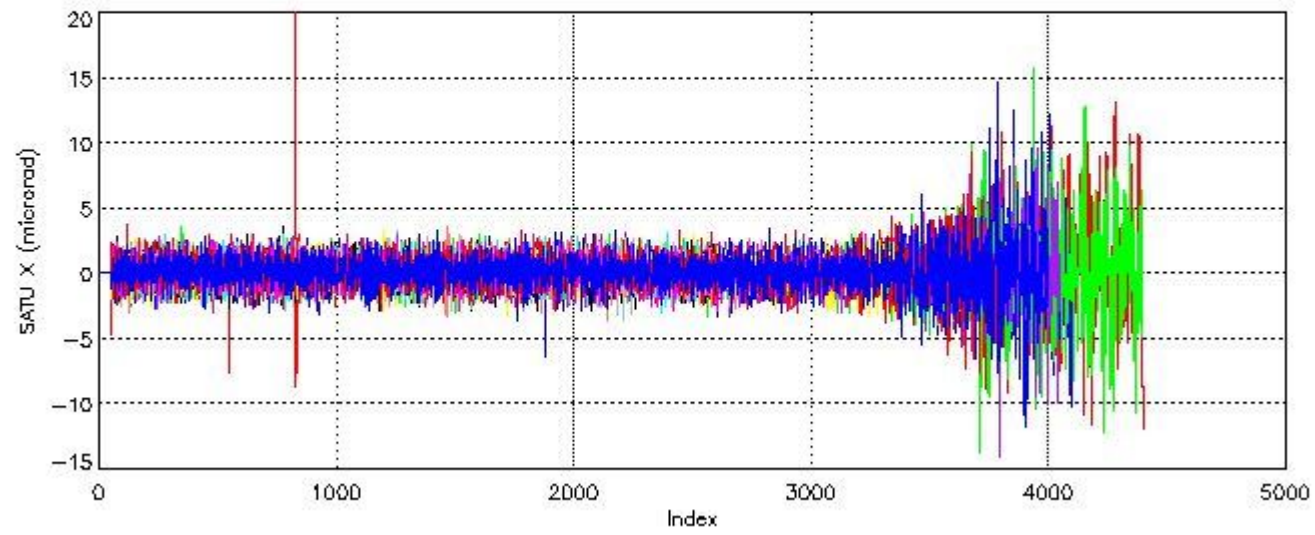


7. Star Acquisition and Tracking Unit (SATU)

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:	0.11962	-0.23746	0.11944	-0.23304
St. deviation:	0.93221	1.0328	0.48347	0.57466
Maximum:	20.000	8.4000	3.4000	3.2000
Minimum:	-8.7000	-25.400	-3.5000	-3.5000

Number of data:	11400.	11400.	8950.0	8950.0
90Percentile:	1.3000	1.1000	0.70000	0.50000

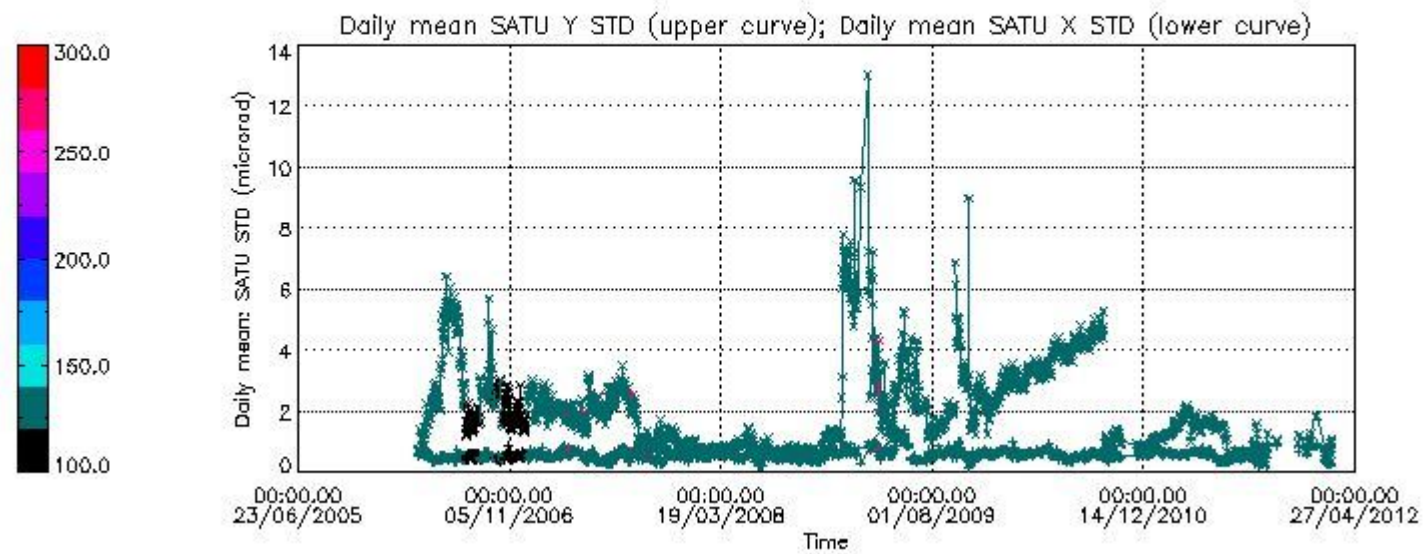
7.2.2 Trend of daily SATU NEA St. deviation since 1st April 2006 (dark limb) and of daily SATU NEA 90th percentile since May 2011

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.

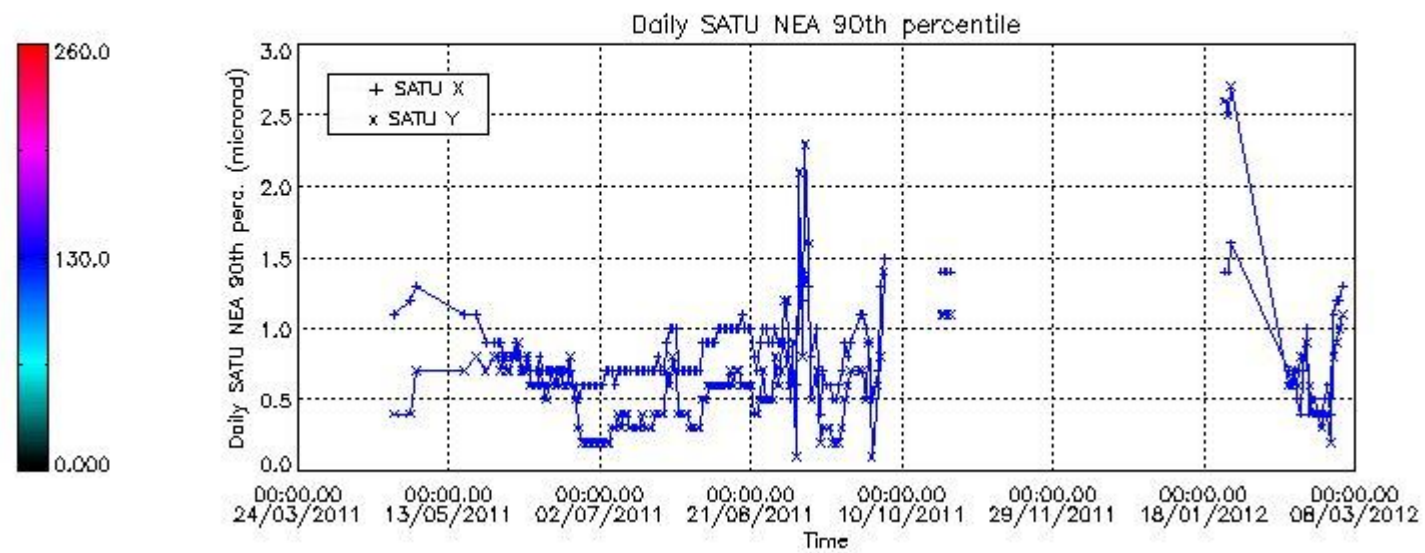
Upper curve: STD of SATU Y axis

Lower curve: STD of SATU X axis



Lower curve: 90th percentile of SATU Y axis

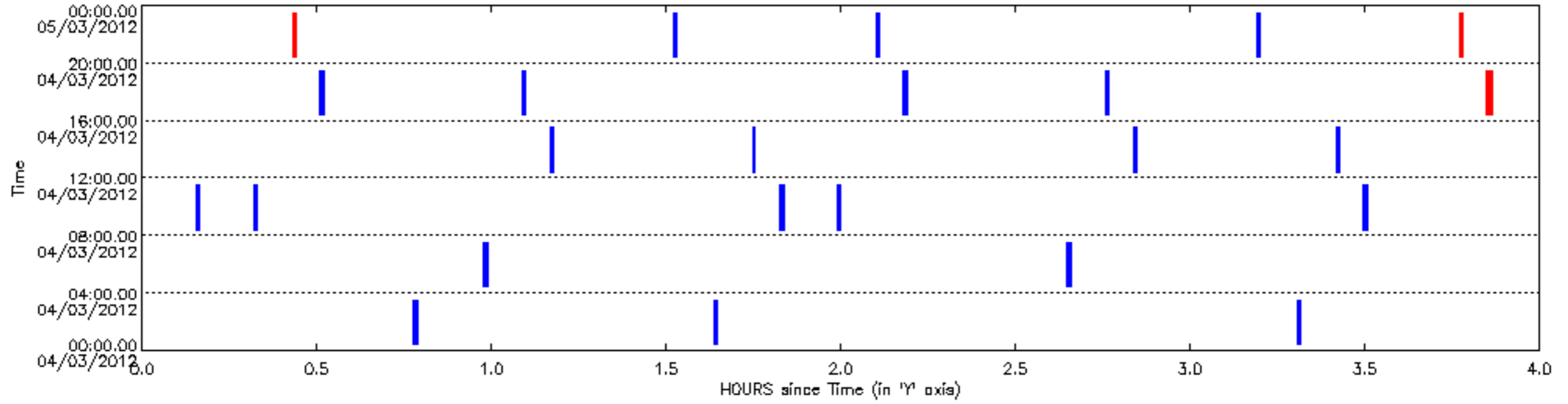
Upper curve: 90th percentile of SATU X axis

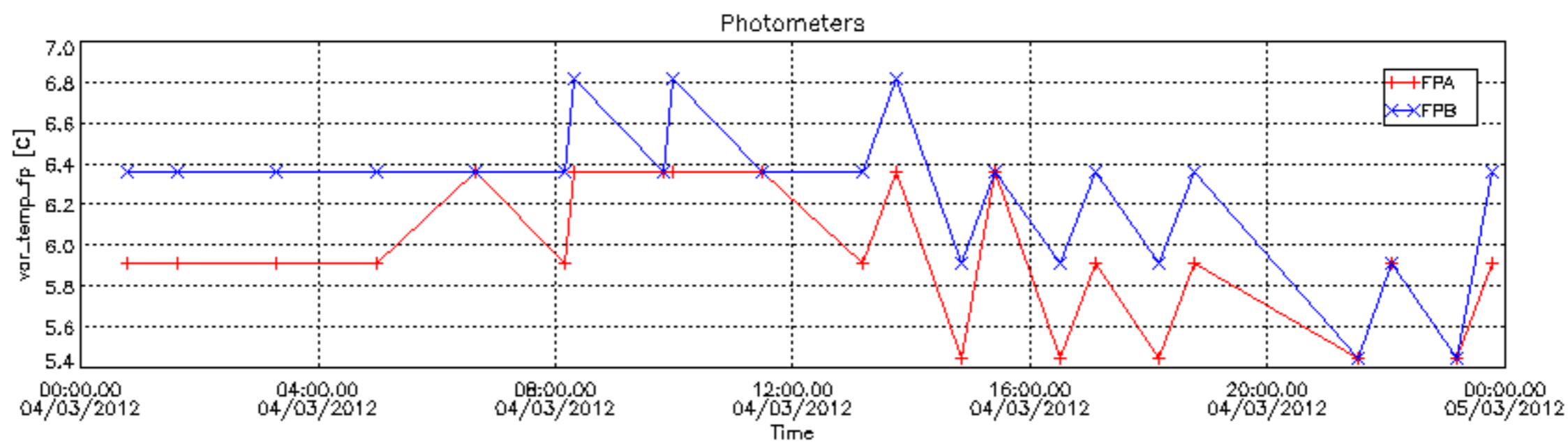
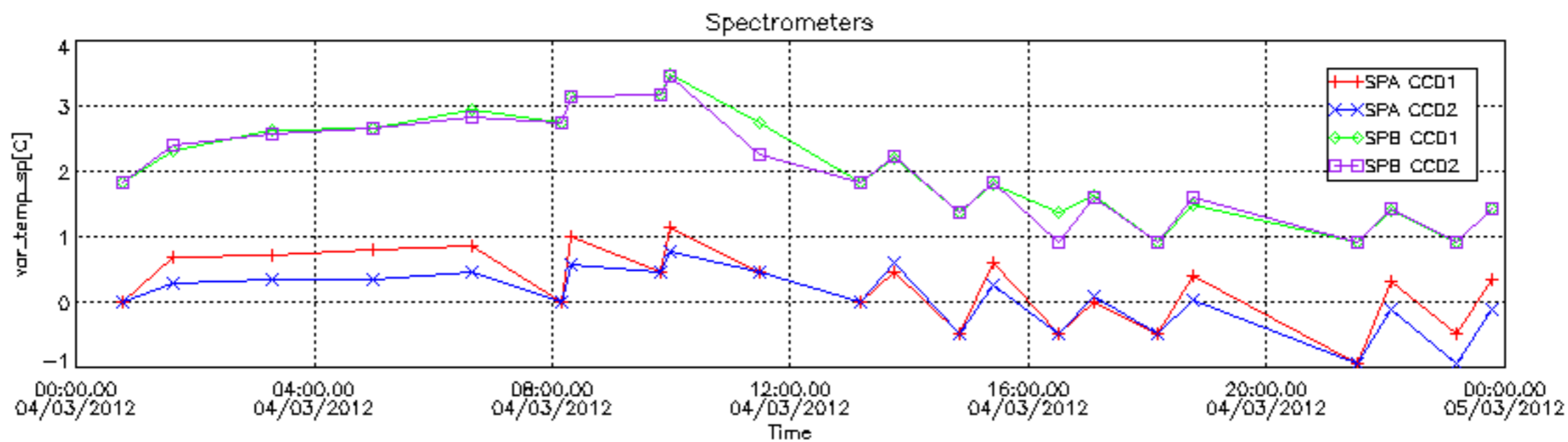


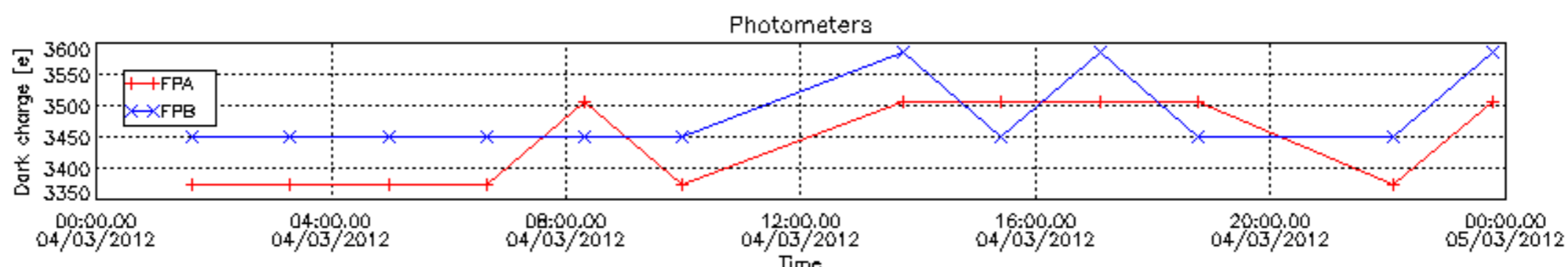
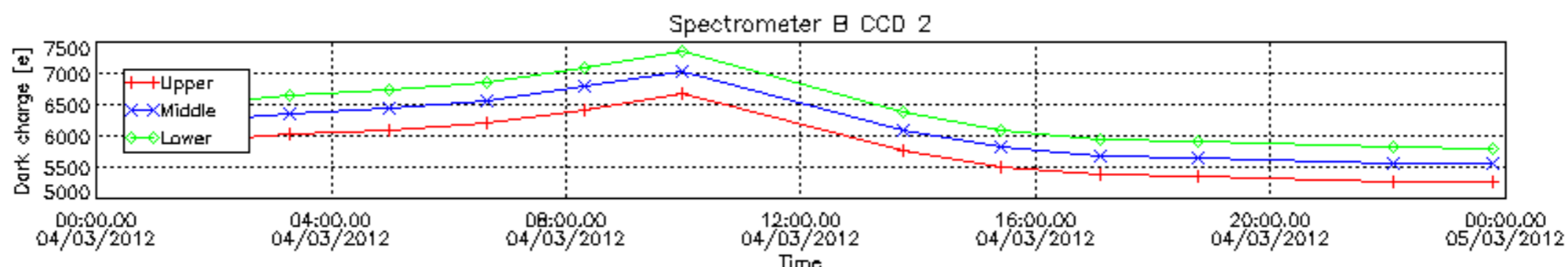
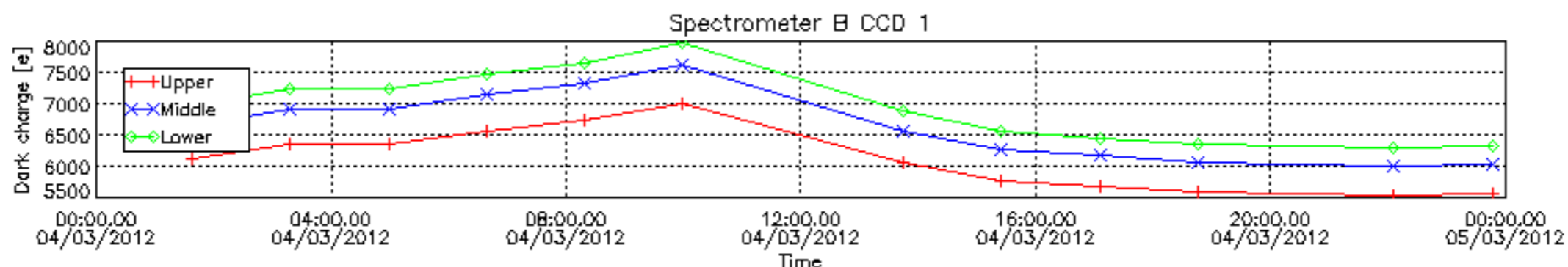
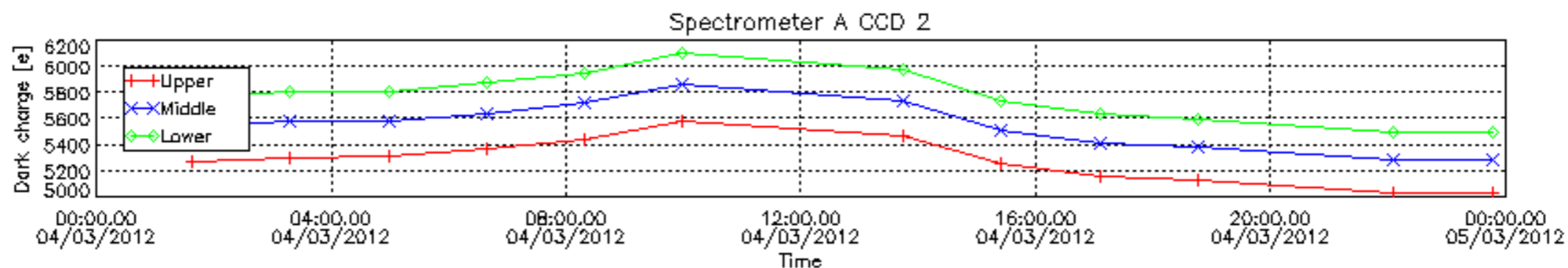
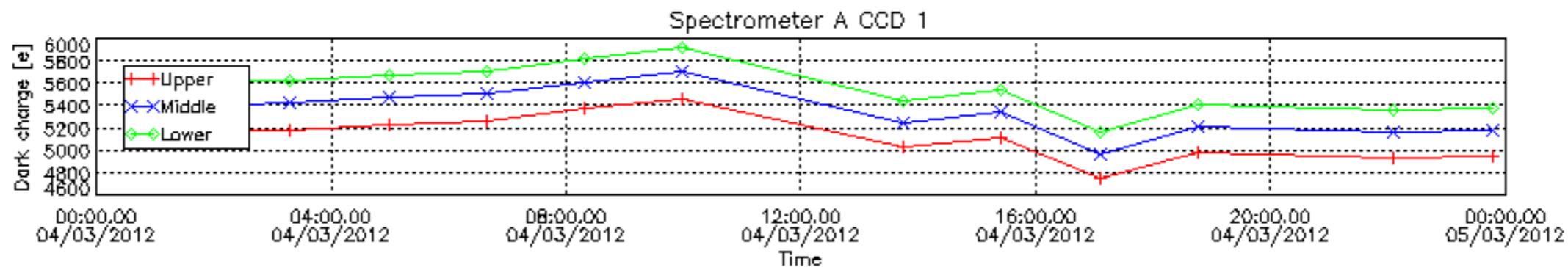
8. Auxiliary Data Files used for the production reported in section 2.4

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.

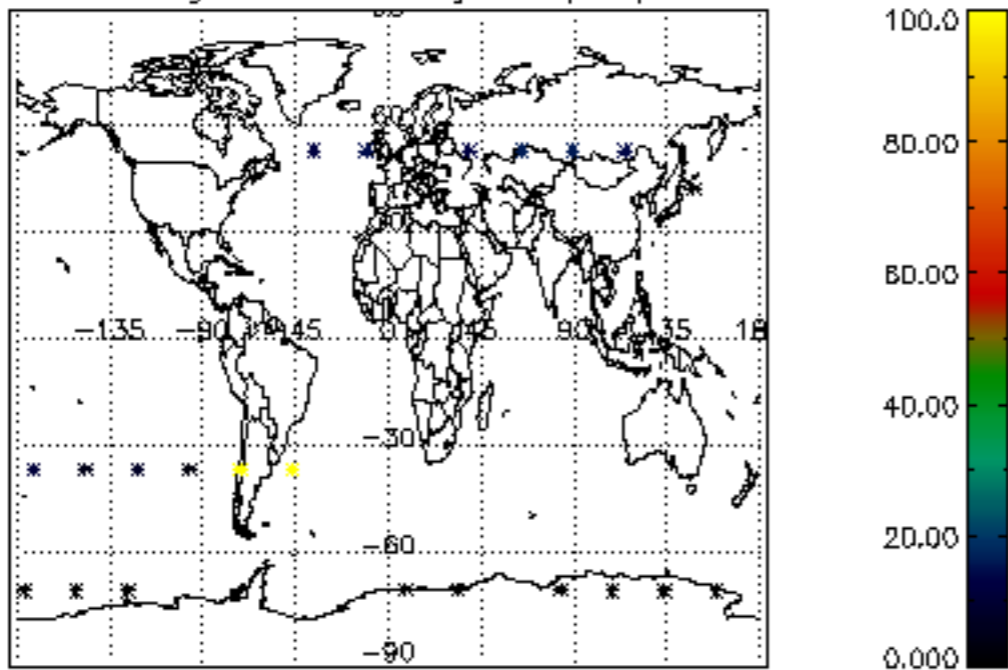
Type	Auxiliary Filename	Used since product	Used since product date
INST_PHYS_CHARACTERISTICS	GOM_INS_AXVIEC20111213_163131_20111215_000000_20500101_000000	1	04-MAR-2012 00:46:33
CALIBRATION_DATABASE	GOM_CAL_AXVIEC20120130_103112_20120125_000000_20500101_000000	1	04-MAR-2012 00:46:33
LEVEL-1B_PROC_CONFIG	GOM_PR1_AXVIEC20110513_081743_20020301_000000_20500101_000000	1	04-MAR-2012 00:46:33
STAR_CATALOGUE	GOM_CAT_AXVIEC20020121_161009_20020101_000000_20200101_000000	1	04-MAR-2012 00:46:33
STELLAR_SPECTRA_DATABANK	GOM_STS_AXVIEC20091111_151504_20020101_160000_20500101_000000	1	04-MAR-2012 00:46:33
ECMWF_FILE	AUX_ECF_AXNECM20120303_062116_20120303_210000_20120304_090000	1	04-MAR-2012 00:46:33
ECMWF_FILE	AUX_ECF_AXNECM20120303_180351_20120304_030000_20120304_150000	3	04-MAR-2012 03:18:22
ECMWF_FILE	AUX_ECA_AXNECM20120304_062614_20120303_210000_20120304_090000	5	04-MAR-2012 06:38:52
ECMWF_FILE	AUX_ECF_AXNECM20120304_062615_20120304_090000_20120304_210000	8	04-MAR-2012 09:49:30
ECMWF_FILE	AUX_ECF_AXNECM20120304_062615_20120304_150000_20120305_030000	15	04-MAR-2012 16:30:27
ECMWF_FILE	AUX_ECF_AXNECM20120304_062616_20120304_210000_20120305_090000	19	04-MAR-2012 21:31:10
OPTIONAL_ECMWF_FILE	MISSING	1	04-MAR-2012 00:46:33
ORBIT_DATA_FILE	AUX_FPO_AXVPDS20120302_232834_20120301_184045_20120311_205427	1	04-MAR-2012 00:46:33



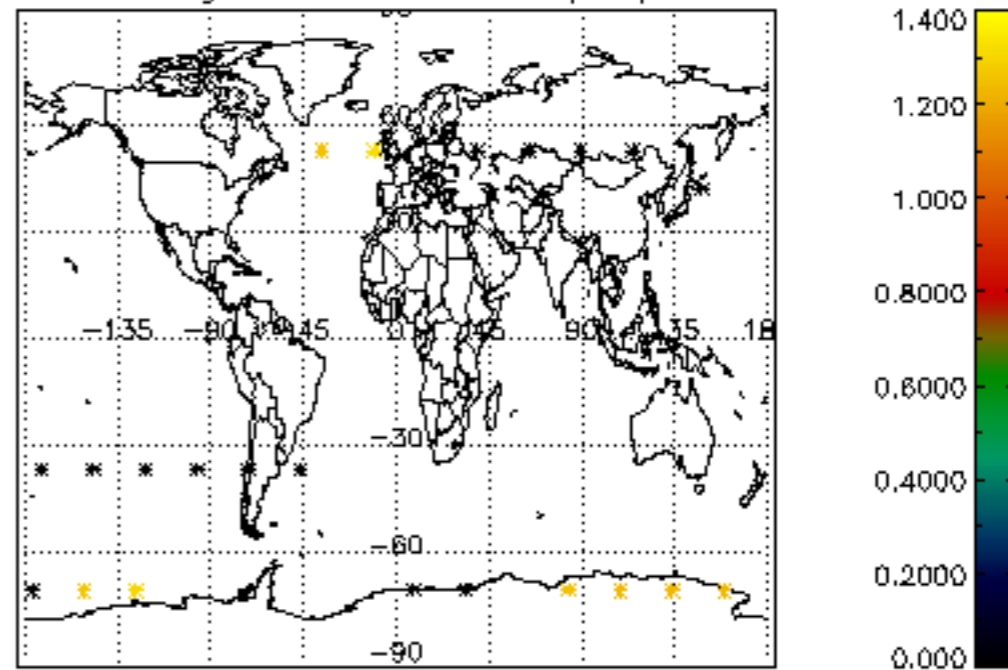




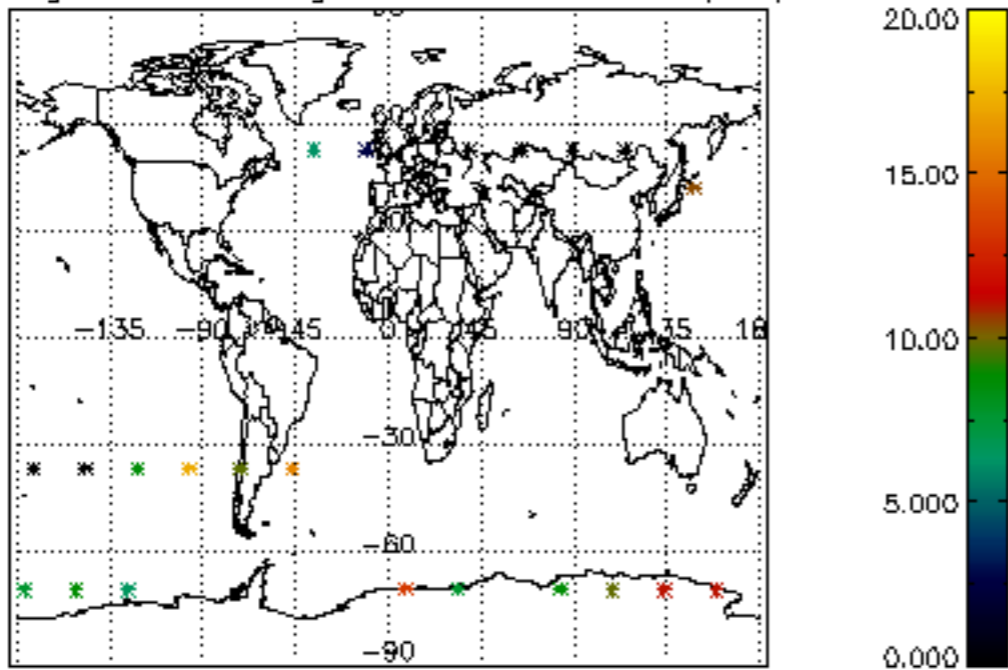
Percentage of cosmic ray hits per profile



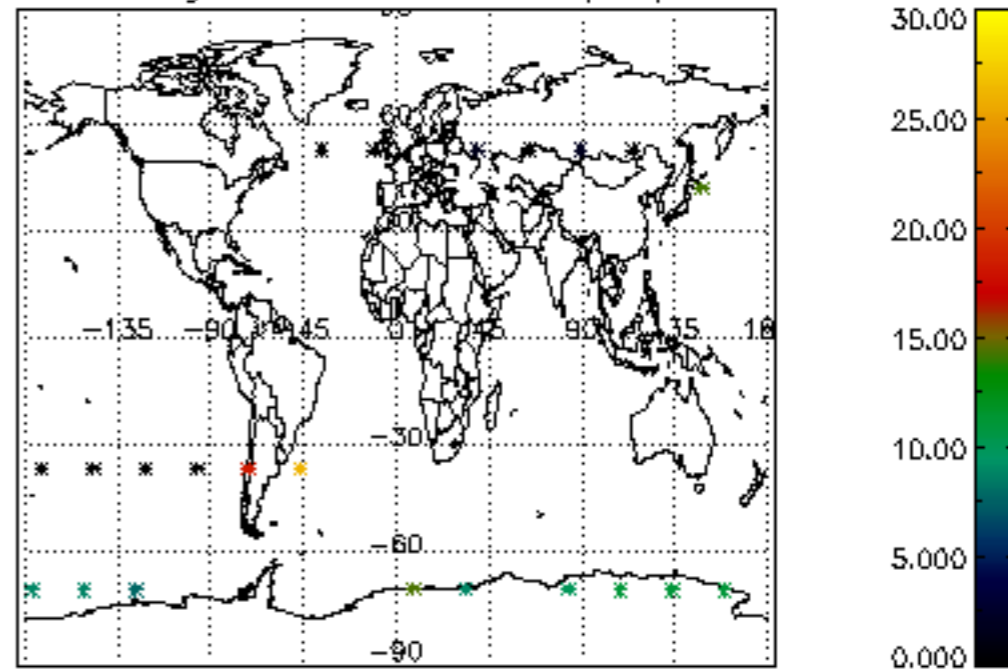
Percentage of datation errors per profile



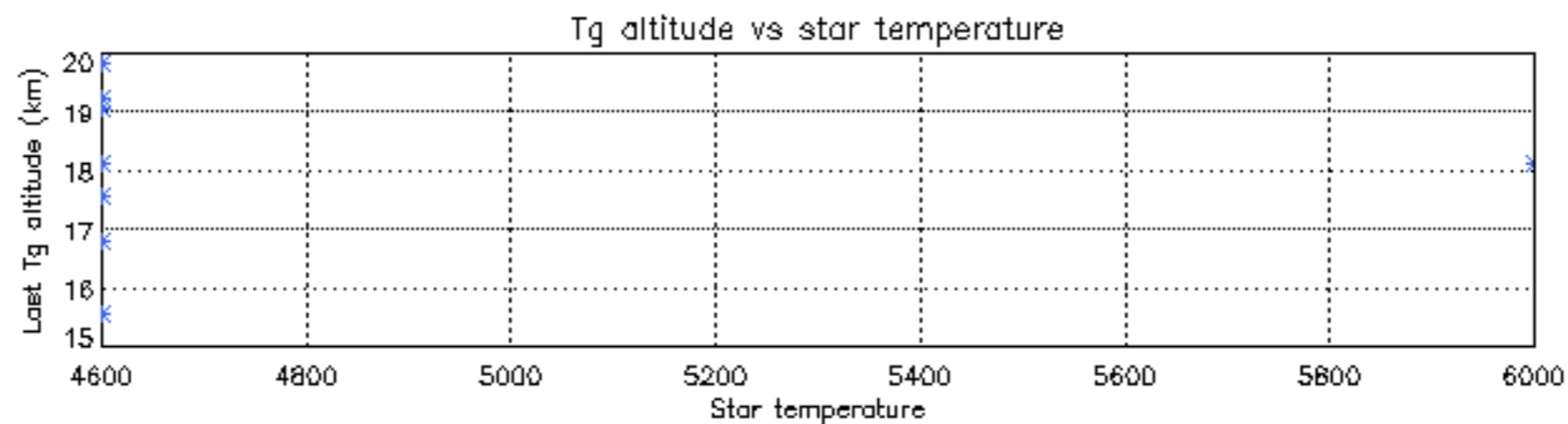
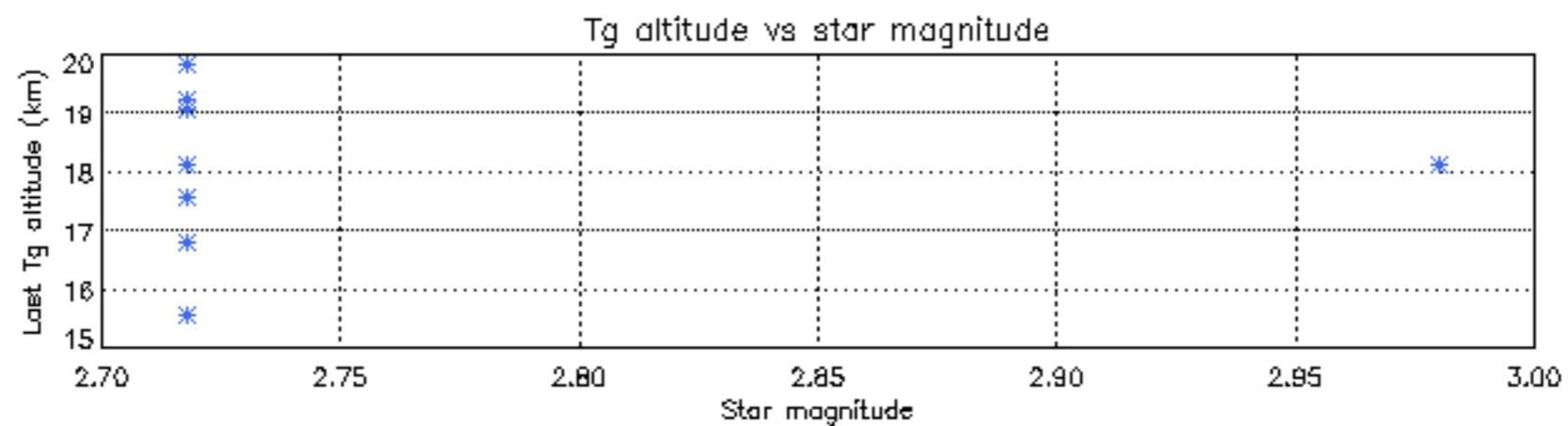
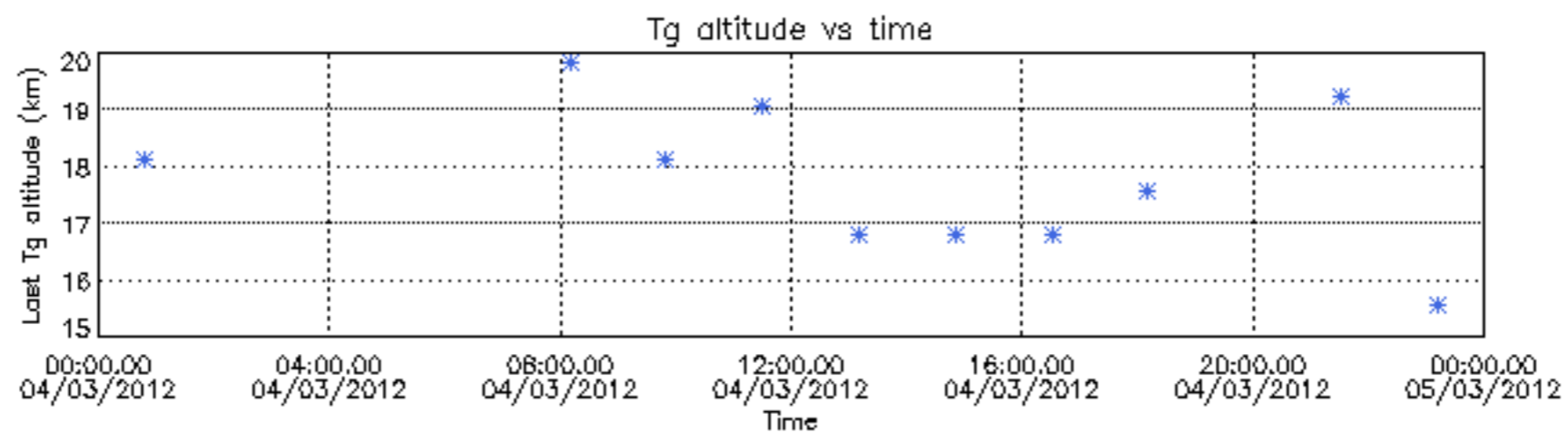
Percentage of star falling outside central band per profile

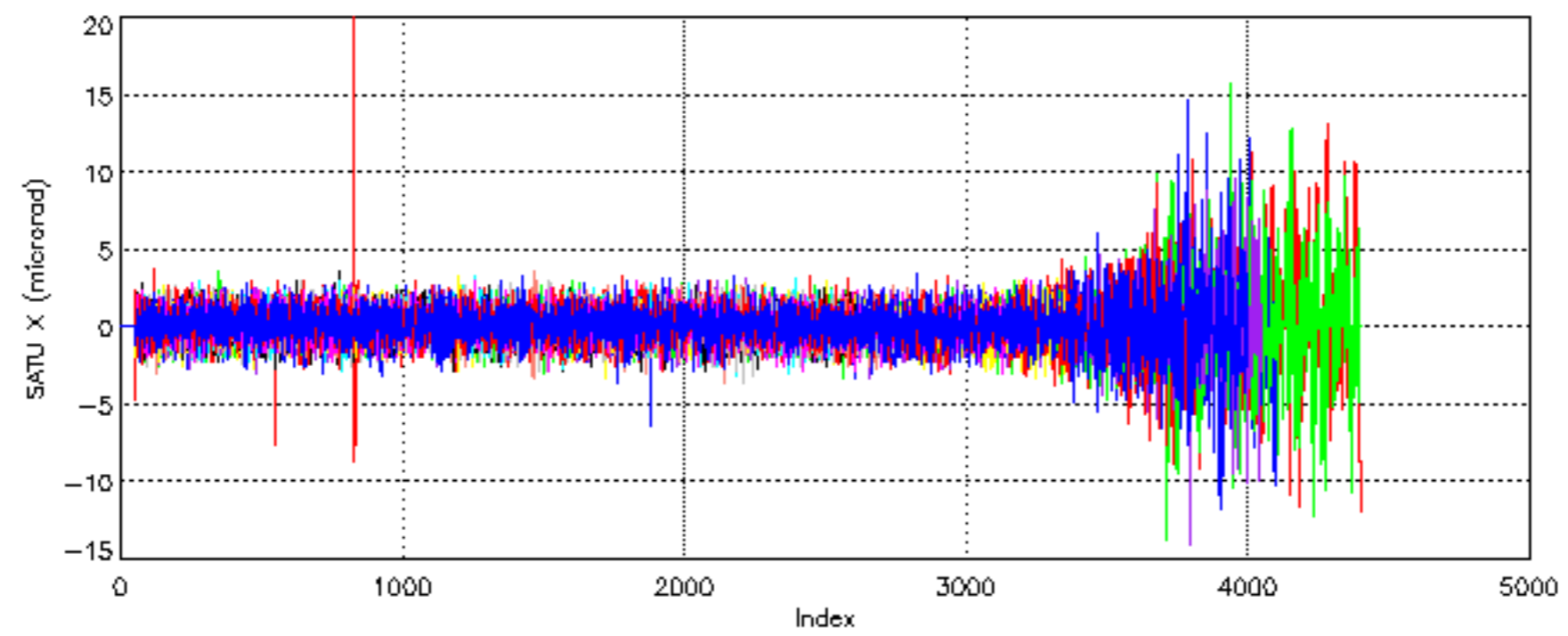


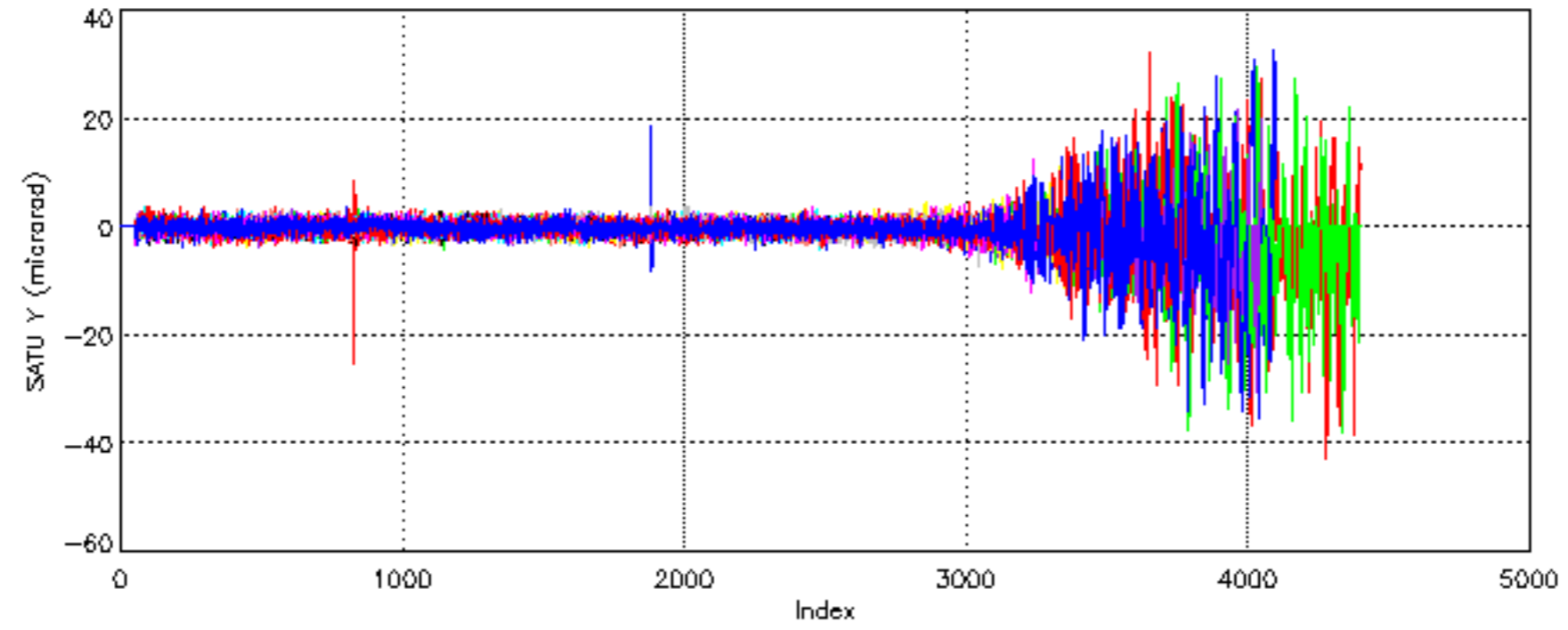
Percentage of saturation errors per profile

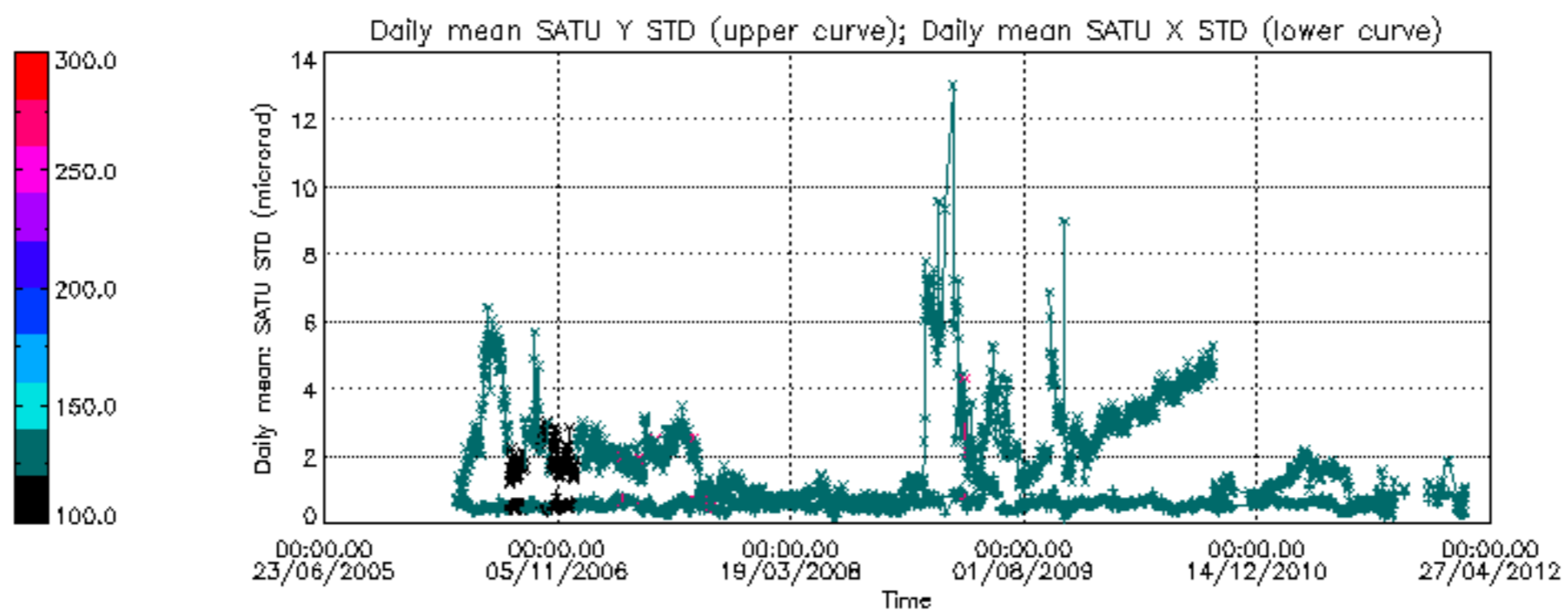


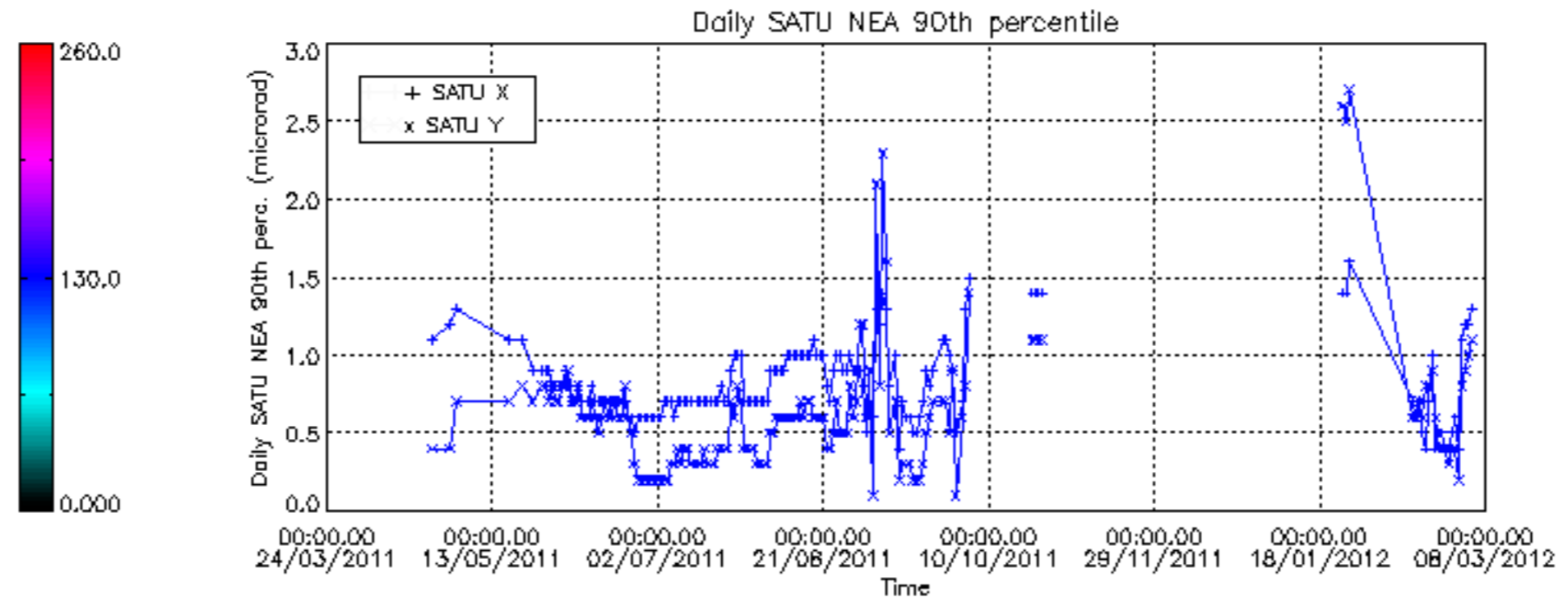
Tangent altitude at which the star is lost











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 2; 529.6; 01-MAR-2012 22:10:02; Dark ; 46.5; 10; Bet Cen ; 0.61; 28000;occ; 93; 0;52328
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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
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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
/nas3/ENVISAT/GOMOS/GOM_NL__0P/GOM_NL__0PNPDK20120311_131031_000039633112_00297_52466_5782.N1
1; 2234.7; 11-MAR-2012 13:10:31; Bright; 36.0; 51; 41Gam1Leo ; 2.01; 4500;occ; 72; 0;52466
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
/nas3/ENVISAT/GOMOS/GOM_NL__0P/GOM_NL__0PNPDK20120311_145045_000039643112_00298_52467_5783.N1
1; 2234.7; 11-MAR-2012 14:50:45; Bright; 42.0; 51; 41Gam1Leo ; 2.01; 4500;occ; 84; 0;52467
2; 4280.5; 11-MAR-2012 15:24:51; Bright; 36.5; 66; 37Gam Cyg ; 2.21; 5900;occ; 73; 0;52467
3; 6157.5; 11-MAR-2012 15:56:08; Dark ; 41.5; 141; Bet Ara ; 2.84; 4600;occ; 83; 0;52468
/nas3/ENVISAT/GOMOS/GOM_NL__0P/GOM_NL__0PNPDK20120311_163059_000039663112_00299_52468_5784.N1
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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
/nas3/ENVISAT/GOMOS/GOM_NL__0P/GOM_NL__0PNPDK20120311_181113_000039683112_00300_52469_5785.N1
1; 2234.6; 11-MAR-2012 18:11:13; Bright; 39.5; 51; 41Gam1Leo ; 2.01; 4500;occ; 79; 0;52469
2; 4280.4; 11-MAR-2012 18:45:19; Bright; 38.5; 66; 37Gam Cyg ; 2.21; 5900;occ; 77; 0;52469
3; 6158.8; 11-MAR-2012 19:16:37; Dark ; 44.0; 141; Bet Ara ; 2.84; 4600;occ; 88; 0;52470
/nas3/ENVISAT/GOMOS/GOM_NL__0P/GOM_NL__0PNPDK20120311_195127_000039663112_00301_52470_5786.N1
1; 2234.4; 11-MAR-2012 19:51:27; Bright; 39.0; 51; 41Gam1Leo ; 2.01; 4500;occ; 78; 0;52470
2; 4280.5; 11-MAR-2012 20:25:33; Bright; 30.0; 66; 37Gam Cyg ; 2.21; 5900;occ; 60; 0;52470
3; 6159.3; 11-MAR-2012 20:56:51; Dark ; 42.0; 141; Bet Ara ; 2.84; 4600;occ; 84; 0;52471
/nas3/ENVISAT/GOMOS/GOM_NL__0P/GOM_NL__0PNPDE20120312_001720_000021253112_00304_52473_6739.N1
1; 146.7; 12-MAR-2012 00:17:20; Dark ; 43.0; 141; Bet Ara ; 2.84; 4600;occ; 86; 0;52473
2; 2234.3; 12-MAR-2012 00:52:08; Bright; 38.0; 51; 41Gam1Leo ; 2.01; 4500;occ; 76; 0;52473
/nas3/ENVISAT/GOMOS/GOM_NL__0P/GOM_NL__0PNPDE20120312_015735_000021253112_00305_52474_6740.N1
1; 147.4; 12-MAR-2012 01:57:35; Dark ; 41.0; 141; Bet Ara ; 2.84; 4600;occ; 82; 0;52474

2; 2234.2; 12-MAR-2012 02:32:22; Bright; 39.0; 51; 41Gam1Leo ; 2.01; 4500;occ; 78; 0;52474
/nas3/ENVISAT/GOMOS/GOM_NL__0P/GOM_NL__0PNPDE20120312_033750_000021253112_00306_52475_6741.N1
1; 148.2; 12-MAR-2012 03:37:50; Dark ; 44.5; 141; Bet Ara ; 2.84; 4600;occ; 89; 0;52475
2; 2234.2; 12-MAR-2012 04:12:36; Bright; 39.0; 51; 41Gam1Leo ; 2.01; 4500;occ; 78; 0;52475
/nas3/ENVISAT/GOMOS/GOM_NL__0P/GOM_NL__0PNPDE20120312_051804_000021243112_00307_52476_6742.N1
1; 148.6; 12-MAR-2012 05:18:04; Dark ; 41.0; 141; Bet Ara ; 2.84; 4600;occ; 82; 0;52476
2; 2234.2; 12-MAR-2012 05:52:50; Bright; 39.0; 51; 41Gam1Leo ; 2.01; 4500;occ; 78; 0;52476
/nas3/ENVISAT/GOMOS/GOM_NL__0P/GOM_NL__0PNPDE20120312_220030_00000423112_00317_52486_6743.N1
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/nas3/ENVISAT/GOMOS/GOM_NL__0P/GOM_NL__0PNPDK20120312_065819_00000423112_00308_52477_5787.N1
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/nas3/ENVISAT/GOMOS/GOM_NL__0P/GOM_NL__0PNPDK20120312_101848_00000433112_00310_52479_5789.N1
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/nas3/ENVISAT/GOMOS/GOM_NL__0P/GOM_NL__0PNPDK20120312_115903_00000393112_00311_52480_5790.N1
1; 151.4; 12-MAR-2012 11:59:03; Dark ; 40.0; 141; Bet Ara ; 2.84; 4600;occ; 80; 0;52480
/nas3/ENVISAT/GOMOS/GOM_NL__0P/GOM_NL__0PNPDK20120312_133917_00000413112_00312_52481_5791.N1
1; 152.2; 12-MAR-2012 13:39:17; Dark ; 42.0; 141; Bet Ara ; 2.84; 4600;occ; 84; 0;52481
/nas3/ENVISAT/GOMOS/GOM_NL__0P/GOM_NL__0PNPDK20120312_151932_00000423112_00313_52482_5792.N1
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/nas3/ENVISAT/GOMOS/GOM_NL__0P/GOM_NL__0PNPDK20120312_165946_00000413112_00314_52483_5793.N1
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/nas3/ENVISAT/GOMOS/GOM_NL__0P/GOM_NL__0PNPDK20120312_184001_00000433112_00315_52484_5794.N1
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1; 156.7; 13-MAR-2012 01:20:59; Dark ; 44.0; 141; Bet Ara ; 2.84; 4600;occ; 88; 0;52488
2; 6171.4; 13-MAR-2012 03:01:14; Dark ; 41.5; 141; Bet Ara ; 2.84; 4600;occ; 83; 0;52489
/nas3/ENVISAT/GOMOS/GOM_NL__0P/GOM_NL__0PNPDE20120313_044128_00000393112_00321_52490_6746.N1
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/nas3/ENVISAT/GOMOS/GOM_NL__0P/GOM_NL__0PNPDE20120313_062143_00000373112_00322_52491_6747.N1
1; 158.5; 13-MAR-2012 06:21:43; Dark ; 37.5; 141; Bet Ara ; 2.84; 4600;occ; 75; 0;52491
/nas3/ENVISAT/GOMOS/GOM_NL__0P/GOM_NL__0PNPDE20120313_212555_000003093112_00331_52500_6748.N1
1; 285.4; 13-MAR-2012 21:25:55; Dark ; 58.5; 0; ; 0.00; 0;occ; 117; 0;52500
2; 550.0; 13-MAR-2012 21:30:20; Dark ; 45.0; 4; Alp1Cen ;-0.01; 5800;occ; 90; 0;52500
/nas3/ENVISAT/GOMOS/GOM_NL__0P/GOM_NL__0PNPDE20120313_230610_000003133112_00332_52501_6749.N1
1; 286.1; 13-MAR-2012 23:06:10; Dark ; 58.5; 0; ; 0.00; 0;occ; 117; 0;52501
2; 550.5; 13-MAR-2012 23:10:34; Dark ; 49.5; 4; Alp1Cen ;-0.01; 5800;occ; 99; 0;52501
/nas3/ENVISAT/GOMOS/GOM_NL__0P/GOM_NL__0PNPDK20120313_080158_00000363112_00323_52492_5796.N1
1; 159.2; 13-MAR-2012 08:01:58; Dark ; 36.5; 141; Bet Ara ; 2.84; 4600;occ; 73; 0;52492
/nas3/ENVISAT/GOMOS/GOM_NL__0P/GOM_NL__0PNPDK20120313_112428_000003123112_00325_52494_5797.N1
1; 281.7; 13-MAR-2012 11:24:28; Dark ; 58.5; 0; ; 0.00; 0;occ; 117; 0;52494
2; 546.9; 13-MAR-2012 11:28:53; Dark ; 47.0; 4; Alp1Cen ;-0.01; 5800;occ; 94; 0;52494
/nas3/ENVISAT/GOMOS/GOM_NL__0P/GOM_NL__0PNPDK20120313_130442_000003063112_00326_52495_5798.N1
1; 282.4; 13-MAR-2012 13:04:42; Dark ; 58.5; 0; ; 0.00; 0;occ; 117; 0;52495
2; 547.3; 13-MAR-2012 13:09:07; Dark ; 41.5; 4; Alp1Cen ;-0.01; 5800;occ; 83; 0;52495
/nas3/ENVISAT/GOMOS/GOM_NL__0P/GOM_NL__0PNPDK20120313_144457_000003073112_00327_52496_5799.N1
1; 283.0; 13-MAR-2012 14:44:57; Dark ; 58.5; 0; ; 0.00; 0;occ; 117; 0;52496
2; 548.0; 13-MAR-2012 14:49:22; Dark ; 42.0; 4; Alp1Cen ;-0.01; 5800;occ; 84; 0;52496
/nas3/ENVISAT/GOMOS/GOM_NL__0P/GOM_NL__0PNPDK20120313_162512_000003133112_00328_52497_5800.N1
1; 283.6; 13-MAR-2012 16:25:12; Dark ; 58.5; 0; ; 0.00; 0;occ; 117; 0;52497
2; 548.5; 13-MAR-2012 16:29:36; Dark ; 49.0; 4; Alp1Cen ;-0.01; 5800;occ; 98; 0;52497
/nas3/ENVISAT/GOMOS/GOM_NL__0P/GOM_NL__0PNPDK20120313_180526_000003083112_00329_52498_5801.N1
1; 284.2; 13-MAR-2012 18:05:26; Dark ; 58.5; 0; ; 0.00; 0;occ; 117; 0;52498
2; 549.0; 13-MAR-2012 18:09:51; Dark ; 44.0; 4; Alp1Cen ;-0.01; 5800;occ; 88; 0;52498
/nas3/ENVISAT/GOMOS/GOM_NL__0P/GOM_NL__0PNPDK20120313_194541_000003213112_00330_52499_5802.N1
1; 284.8; 13-MAR-2012 19:45:41; Dark ; 58.5; 0; ; 0.00; 0;occ; 117; 0;52499
2; 549.5; 13-MAR-2012 19:50:05; Dark ; 56.5; 4; Alp1Cen ;-0.01; 5800;occ; 113; 0;52499
/nas3/ENVISAT/GOMOS/GOM_NL__0P/GOM_NL__0PNPDE20120314_004624_000003203112_00333_52502_6750.N1
1; 286.7; 14-MAR-2012 00:46:24; Dark ; 58.5; 0; ; 0.00; 0;occ; 117; 0;52502
2; 551.0; 14-MAR-2012 00:50:49; Dark ; 56.5; 4; Alp1Cen ;-0.01; 5800;occ; 113; 0;52502
/nas3/ENVISAT/GOMOS/GOM_NL__0P/GOM_NL__0PNPDE20120314_022639_000003113112_00334_52503_6751.N1
1; 287.3; 14-MAR-2012 02:26:39; Dark ; 58.5; 0; ; 0.00; 0;occ; 117; 0;52503
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

/nas3/ENVISAT/GOMOS/GOM_NL__0P/GOM_NL__0PNPDE20120314_051155_000024193112_00335_52504_6753.N1
1;-1824.7; 14-MAR-2012 05:11:55; Bright; 38.0; 19; 50Alp Cyg ; 1.25; 10500;occ; 76; 0;52504
2; 288.5; 14-MAR-2012 05:47:08; Dark ; 58.5; 0; ; 0.00; 0;occ; 117; 0;52505
3; 552.9; 14-MAR-2012 05:51:32; Dark ; 41.5; 4; Alp1Cen ;-0.01; 5800;occ; 83; 0;52505

/nas3/ENVISAT/GOMOS/GOM_NL__0P/GOM_NL__0PNPDE20120314_215415_00000373112_00345_52514_6754.N1
1;-1824.1; 14-MAR-2012 21:54:15; Bright; 37.5; 19; 50Alp Cyg ; 1.25; 10500;occ; 75; 0;52514

/nas3/ENVISAT/GOMOS/GOM_NL__0P/GOM_NL__0PNPDE20120314_222933_000039303112_00346_52515_6755.N1
1; 294.7; 14-MAR-2012 22:29:33; Dark ; 58.5; 0; ; 0.00; 0;occ; 117; 0;52515
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

/nas3/ENVISAT/GOMOS/GOM_NL__0P/GOM_NL__0PNPDK20120314_065209_000024233112_00336_52505_5803.N1
1;-1824.4; 14-MAR-2012 06:52:09; Bright; 38.0; 19; 50Alp Cyg ; 1.25; 10500;occ; 76; 0;52505
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

/nas3/ENVISAT/GOMOS/GOM_NL__0P/GOM_NL__0PNPDK20120314_083223_000024343112_00337_52506_5804.N1
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2; 289.7; 14-MAR-2012 09:07:37; Dark ; 58.5; 0; ; 0.00; 0;occ; 117; 0;52507
3; 554.0; 14-MAR-2012 09:12:01; Dark ; 56.5; 4; Alp1Cen ;-0.01; 5800;occ; 113; 0;52507

/nas3/ENVISAT/GOMOS/GOM_NL__0P/GOM_NL__0PNPDK20120314_101237_000024273112_00338_52507_5805.N1
1;-1824.3; 14-MAR-2012 10:12:37; Bright; 36.5; 19; 50Alp Cyg ; 1.25; 10500;occ; 73; 0;52507
2; 290.4; 14-MAR-2012 10:47:51; Dark ; 58.5; 0; ; 0.00; 0;occ; 117; 0;52508
3; 554.5; 14-MAR-2012 10:52:16; Dark ; 48.5; 4; Alp1Cen ;-0.01; 5800;occ; 97; 0;52508

/nas3/ENVISAT/GOMOS/GOM_NL__0P/GOM_NL__0PNPDK20120314_115251_000024203112_00339_52508_5806.N1
1;-1824.3; 14-MAR-2012 11:52:51; Bright; 35.5; 19; 50Alp Cyg ; 1.25; 10500;occ; 71; 0;52508
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

/nas3/ENVISAT/GOMOS/GOM_NL__0P/GOM_NL__0PNPDK20120314_133305_000024223112_00340_52509_5807.N1
1;-1824.2; 14-MAR-2012 13:33:05; Bright; 36.5; 19; 50Alp Cyg ; 1.25; 10500;occ; 73; 0;52509
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

/nas3/ENVISAT/GOMOS/GOM_NL__0P/GOM_NL__0PNPDK20120314_151319_000024233112_00341_52510_5808.N1
1;-1824.1; 14-MAR-2012 15:13:19; Bright; 36.0; 19; 50Alp Cyg ; 1.25; 10500;occ; 72; 0;52510
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

/nas3/ENVISAT/GOMOS/GOM_NL__0P/GOM_NL__0PNPDK20120314_165333_000024253112_00342_52511_5809.N1
1;-1824.3; 14-MAR-2012 16:53:33; Bright; 36.0; 19; 50Alp Cyg ; 1.25; 10500;occ; 72; 0;52511
2; 292.8; 14-MAR-2012 17:28:50; Dark ; 58.5; 0; ; 0.00; 0;occ; 117; 0;52512
3; 556.7; 14-MAR-2012 17:33:14; Dark ; 44.5; 4; Alp1Cen ;-0.01; 5800;occ; 89; 0;52512

/nas3/ENVISAT/GOMOS/GOM_NL__0P/GOM_NL__0PNPDK20120314_183346_000024373112_00343_52512_5810.N1
1;-1824.3; 14-MAR-2012 18:33:46; Bright; 36.0; 19; 50Alp Cyg ; 1.25; 10500;occ; 72; 0;52512
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

/nas3/ENVISAT/GOMOS/GOM_NL__0P/GOM_NL__0PNPDK20120314_201401_000024263112_00344_52513_5811.N1
1;-1824.2; 14-MAR-2012 20:14:01; Bright; 35.5; 19; 50Alp Cyg ; 1.25; 10500;occ; 71; 0;52513
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

/nas3/ENVISAT/GOMOS/GOM_NL__0P/GOM_NL__0PNPDE20120315_000948_000039323112_00347_52516_6756.N1
1; 295.3; 15-MAR-2012 00:09:48; Dark ; 58.5; 0; ; 0.00; 0;occ; 117; 0;52516
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

/nas3/ENVISAT/GOMOS/GOM_NL__0P/GOM_NL__0PNPDE20120315_015002_000003093112_00348_52517_6757.N1
1; 296.0; 15-MAR-2012 01:50:02; Dark ; 57.5; 0; ; 0.00; 0;occ; 115; 0;52517
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
1;-1824.0; 15-MAR-2012 02:54:56; Bright; 35.0; 19; 50Alp Cyg ; 1.25; 10500;occ; 70; 0;52517
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

/nas3/ENVISAT/GOMOS/GOM_NL__0P/GOM_NL__0PNPDE20120315_043510_000024403112_00349_52518_6759.N1
1;-1823.9; 15-MAR-2012 04:35:10; Bright; 37.5; 19; 50Alp Cyg ; 1.25; 10500;occ; 75; 0;52518
2; 297.2; 15-MAR-2012 05:10:31; Dark ; 56.5; 0; ; 0.00; 0;occ; 113; 0;52519
3; 560.5; 15-MAR-2012 05:14:55; Dark ; 56.5; 4; Alp1Cen ;-0.01; 5800;occ; 113; 0;52519

/nas3/ENVISAT/GOMOS/GOM_NL__0P/GOM_NL__0PNPDE20120315_212049_00000343112_00359_52528_6760.N1
1;-1625.0; 15-MAR-2012 21:20:49; Bright; 35.0; 92; 53Eps Cyg ; 2.50; 4500;occ; 70; 0;52528

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3; 2246.1; 26-MAR-2012 05:39:43; Bright; 29.5; 96; 68Del Leo ; 2.56; 9300;occ; 59; 0; -1
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2; 2655.7; 26-MAR-2012 20:48:38; Bright; 36.0; 174; 52Psi UMa ; 3.00; 4400;occ; 72; 0; -1
3; 3884.4; 26-MAR-2012 21:09:07; Bright; 36.5; 89; 5Alp Cep ; 2.45; 8000;occ; 73; 0; -1
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2; 2655.6; 26-MAR-2012 22:28:52; Bright; 35.5; 174; 52Psi UMa ; 3.00; 4400;occ; 71; 0; -1
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3; 6851.0; 26-MAR-2012 08:36:42; Dark ; 40.5; 77; Eps Cen ; 2.30; 28000;occ; 81; 0; -1
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3; 3884.7; 26-MAR-2012 09:27:29; Bright; 37.0; 89; 5Alp Cep ; 2.45; 8000;occ; 74; 0; -1
4; 6851.4; 26-MAR-2012 10:16:56; Dark ; 40.0; 77; Eps Cen ; 2.30; 28000;occ; 80; 0; -1
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3; 3884.6; 26-MAR-2012 11:07:43; Bright; 47.0; 89; 5Alp Cep ; 2.45; 8000;occ; 94; 0; -1
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3; 3884.5; 26-MAR-2012 12:47:57; Bright; 36.0; 89; 5Alp Cep ; 2.45; 8000;occ; 72; 0; -1
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2; 2656.2; 26-MAR-2012 14:07:42; Bright; 36.0; 174; 52Psi UMa ; 3.00; 4400;occ; 72; 0; -1
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2; 2656.1; 26-MAR-2012 15:47:56; Bright; 37.0; 174; 52Psi UMa ; 3.00; 4400;occ; 74; 0; -1
3; 3884.5; 26-MAR-2012 16:08:25; Bright; 38.5; 89; 5Alp Cep ; 2.45; 8000;occ; 77; 0; -1
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2; 2656.0; 26-MAR-2012 17:28:10; Bright; 36.0; 174; 52Psi UMa ; 3.00; 4400;occ; 72; 0; -1
3; 3884.5; 26-MAR-2012 17:48:39; Bright; 38.0; 89; 5Alp Cep ; 2.45; 8000;occ; 76; 0; -1
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2; 2655.8; 26-MAR-2012 19:08:24; Bright; 36.5; 174; 52Psi UMa ; 3.00; 4400;occ; 73; 0; -1
3; 3884.5; 26-MAR-2012 19:28:53; Bright; 36.0; 89; 5Alp Cep ; 2.45; 8000;occ; 72; 0; -1
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2; 2830.4; 30-MAR-2012 15:04:05; Bright; 38.0; 87; 64Gam UMA ; 2.43; 11000;occ; 76; 0;52740
3; 6945.1; 30-MAR-2012 16:12:39; Dark ; 26.5; 95; Zet Cen ; 2.55; 26000;occ; 53; 0;52741
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2; 1453.7; 31-MAR-2012 05:43:13; Dark ; 26.0; 106; 9Bet Crv ; 2.65; 5600;occ; 52; 0;52749
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