

GOMOS Daily Report 20-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 12:09:27
Data source version	GOMOS/6.01
Start time of products	20FEB2012 01:32:16
Stop time of products	20FEB2012 23:15:25
Store outputs in DB	Yes
Nb of level 1b prods	24
Nb of prods with errors	1

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

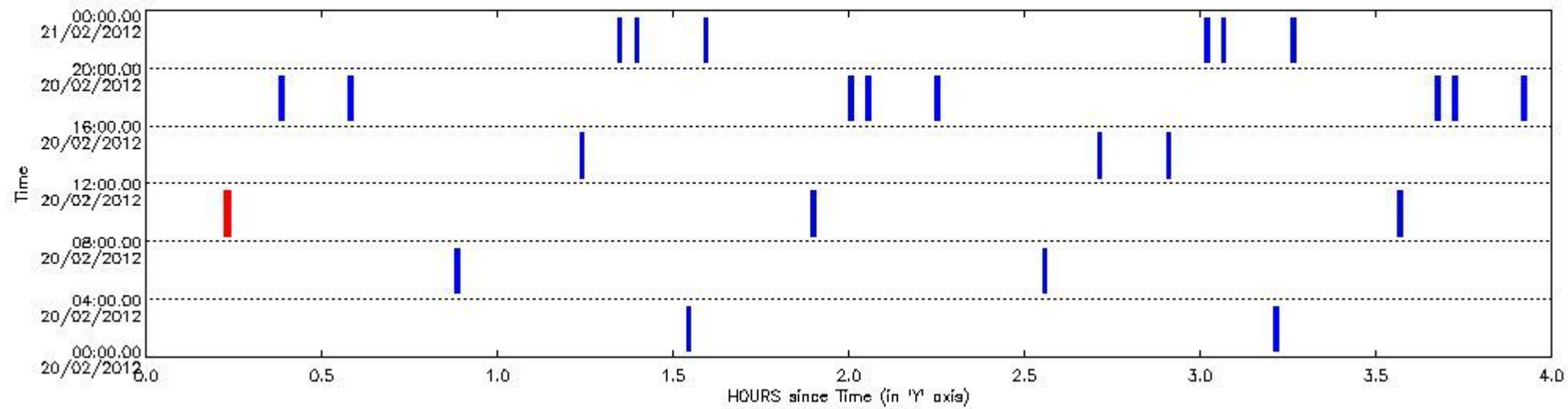
2.1 Level 0 products arrived in PCF (see template [here](#))

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).



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

UTC start time	Star name	Star ID	Orbit
20-FEB-2012 08:13:16	BetCen	10	52189

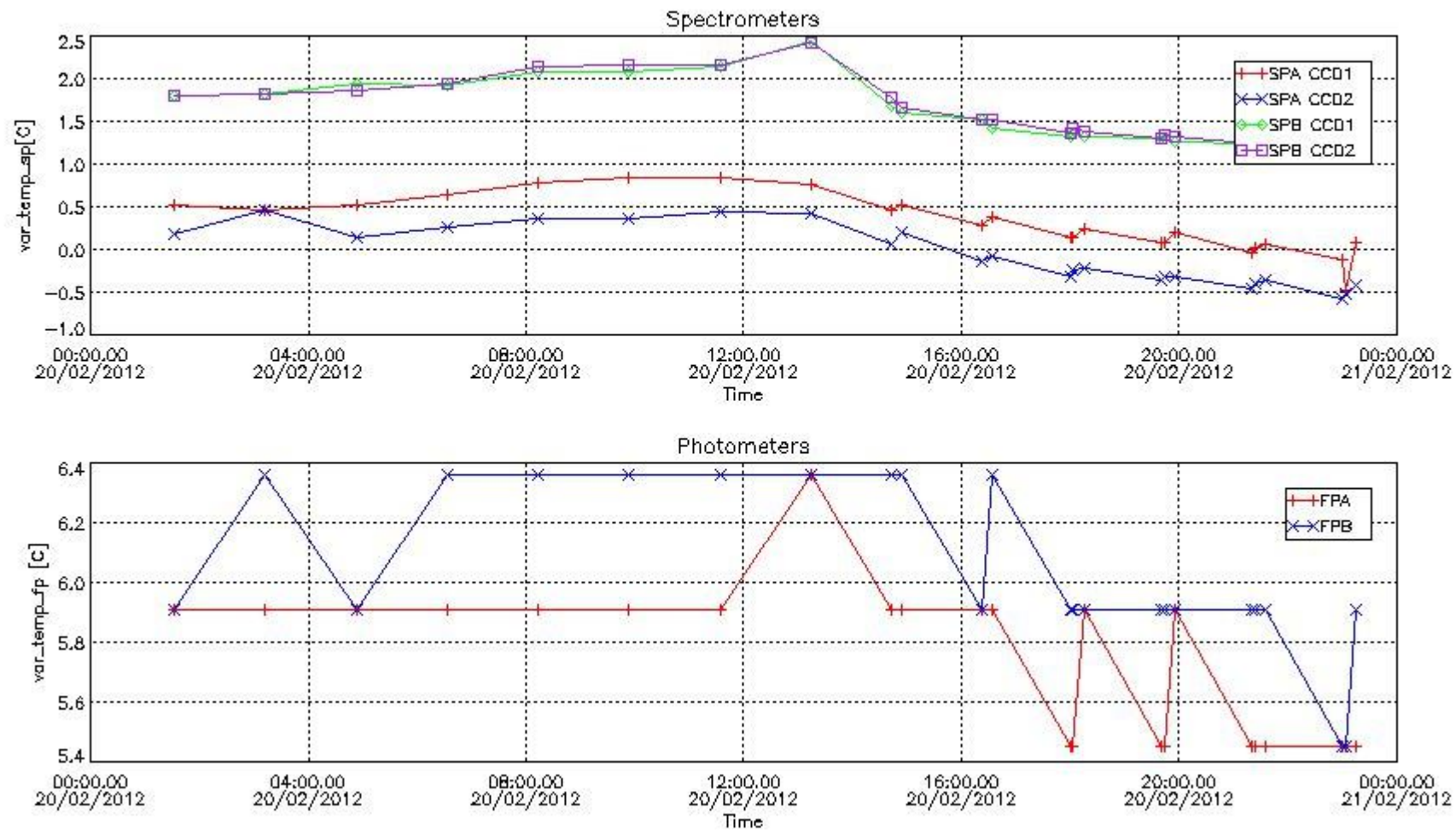
2.4 Summary of processed GOM_TRA_1P products

!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_1PNPDE20120220_013216_000000413112_00003_52172_0002.N1	20-FEB-2012 01:32:16	Dark	41.000	10	Bet Cen	0.61000	28000.	82	52172	No
2	GOM_TRA_1PNPDE20120220_031231_000000513112_00004_52173_0003.N1	20-FEB-2012 03:12:31	Dark	50.500	10	Bet Cen	0.61000	28000.	101	52173	Yes
3	GOM_TRA_1PNPDE20120220_045245_000000483112_00005_52174_0047.N1	20-FEB-2012 04:52:45	Dark	48.000	10	Bet Cen	0.61000	28000.	96	52174	No
4	GOM_TRA_1PNPDE20120220_063300_000000443112_00006_52175_0096.N1	20-FEB-2012 06:33:00	Dark	43.500	10	Bet Cen	0.61000	28000.	87	52175	No
5	GOM_TRA_1PNPDK20120220_081315_000000493112_00007_52176_4491.N1	20-FEB-2012 08:13:15	Dark	49.000	10	Bet Cen	0.61000	28000.	98	52176	No
6	GOM_TRA_1PNPDK20120220_095329_000000493112_00008_52177_4528.N1	20-FEB-2012 09:53:29	Dark	49.000	10	Bet Cen	0.61000	28000.	98	52177	No
7	GOM_TRA_1PNPDK20120220_113343_000000443112_00009_52178_4574.N1	20-FEB-2012 11:33:43	Dark	43.500	10	Bet Cen	0.61000	28000.	87	52178	No
8	GOM_TRA_1PNPDK20120220_131358_000000433112_00010_52179_4618.N1	20-FEB-2012 13:13:58	Dark	42.500	10	Bet Cen	0.61000	28000.	85	52179	No
9	GOM_TRA_1PNPDK20120220_144225_000000413112_00010_52179_4653.N1	20-FEB-2012 14:42:25	Dark	41.000	85	Kap Sco	2.4070	28000.	82	52179	No

10	GOM_TRA_1PNPDK20120220_145412_000000423112_00011_52180_4654.N1	20-FEB-2012 14:54:12	Dark	41.500	10	Bet Cen	0.61000	28000.	83	52180	No
11	GOM_TRA_1PNPDK20120220_162239_000000423112_00011_52180_4679.N1	20-FEB-2012 16:22:39	Dark	41.500	85	Kap Sco	2.4070	28000.	83	52180	No
12	GOM_TRA_1PNPDK20120220_163427_000000453112_00012_52181_4680.N1	20-FEB-2012 16:34:27	Dark	44.500	10	Bet Cen	0.61000	28000.	89	52181	No
13	GOM_TRA_1PNPDK20120220_175958_000000453112_00012_52181_4710.N1	20-FEB-2012 17:59:58	Dark	45.000	167	10Gam2Sgr	2.9840	4500.0	90	52181	No
14	GOM_TRA_1PNPDK20120220_180254_000000423112_00012_52181_4711.N1	20-FEB-2012 18:02:54	Dark	41.500	85	Kap Sco	2.4070	28000.	83	52181	No
15	GOM_TRA_1PNPDK20120220_181442_000000423112_00013_52182_4712.N1	20-FEB-2012 18:14:42	Dark	41.500	10	Bet Cen	0.61000	28000.	83	52182	No
16	GOM_TRA_1PNPDK20120220_194013_000000423112_00013_52182_4735.N1	20-FEB-2012 19:40:13	Dark	42.000	167	10Gam2Sgr	2.9840	4500.0	84	52182	No
17	GOM_TRA_1PNPDK20120220_194308_000000413112_00013_52182_4736.N1	20-FEB-2012 19:43:08	Dark	40.500	85	Kap Sco	2.4070	28000.	81	52182	No
18	GOM_TRA_1PNPDK20120220_195456_000000443112_00014_52183_4737.N1	20-FEB-2012 19:54:56	Dark	43.500	10	Bet Cen	0.61000	28000.	87	52183	No
19	GOM_TRA_1PNPDE20120220_212027_000000433112_00014_52183_0304.N1	20-FEB-2012 21:20:27	Dark	43.000	167	10Gam2Sgr	2.9840	4500.0	86	52183	No
20	GOM_TRA_1PNPDE20120220_212322_000000403112_00014_52183_0305.N1	20-FEB-2012 21:23:22	Dark	39.500	85	Kap Sco	2.4070	28000.	79	52183	No
21	GOM_TRA_1PNPDE20120220_213510_000000413112_00015_52184_0306.N1	20-FEB-2012 21:35:10	Dark	41.000	10	Bet Cen	0.61000	28000.	82	52184	No
22	GOM_TRA_1PNPDE20120220_230041_000000473112_00015_52184_0327.N1	20-FEB-2012 23:00:41	Dark	46.500	167	10Gam2Sgr	2.9840	4500.0	93	52184	No
23	GOM_TRA_1PNPDE20120220_230337_000000403112_00015_52184_0328.N1	20-FEB-2012 23:03:37	Dark	40.000	85	Kap Sco	2.4070	28000.	80	52184	No
24	GOM_TRA_1PNPDE20120220_231525_000000453112_00016_52185_0329.N1	20-FEB-2012 23:15:25	Dark	45.000	10	Bet Cen	0.61000	28000.	90	52185	No

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



4. Overview of dark signal processing per product

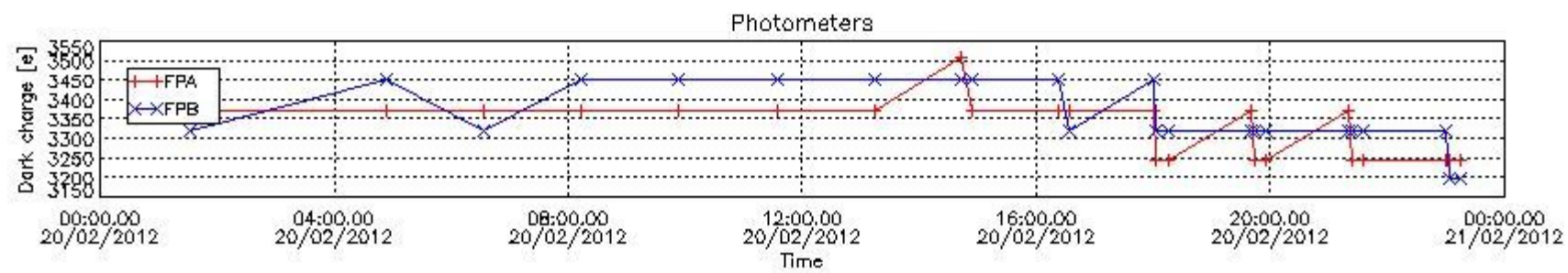
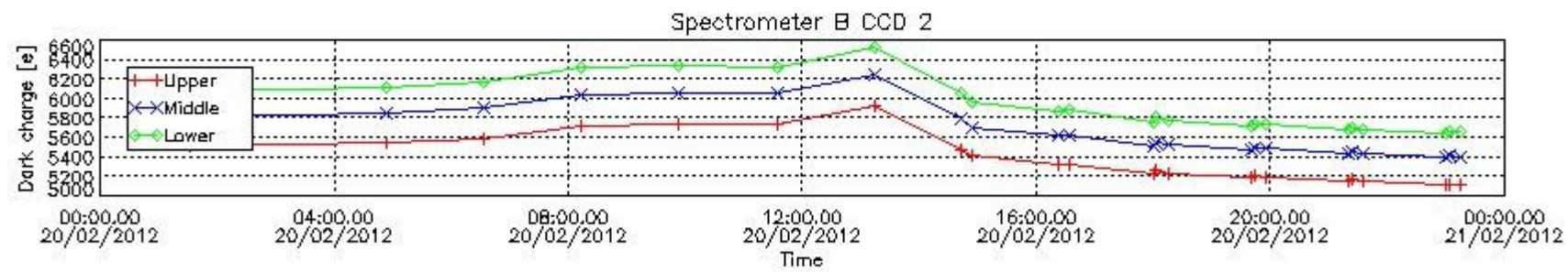
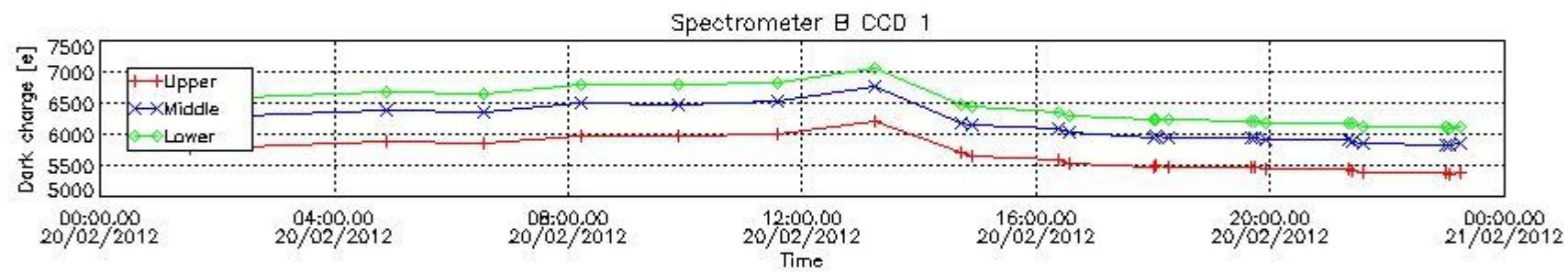
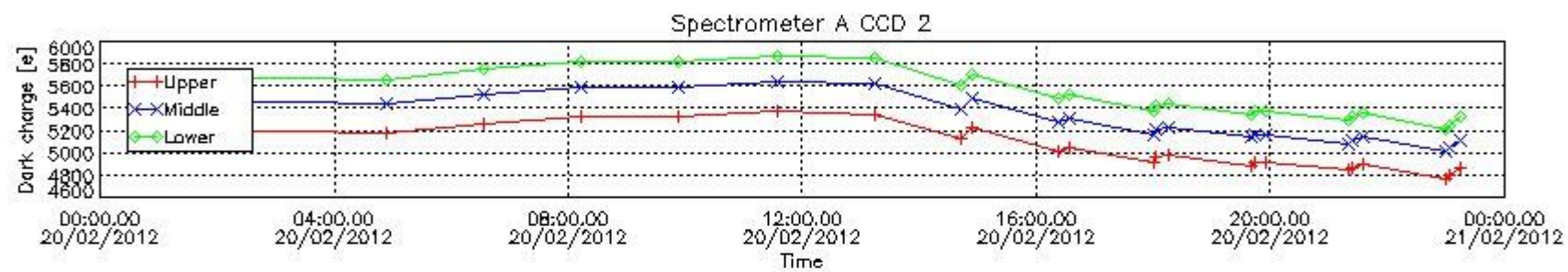
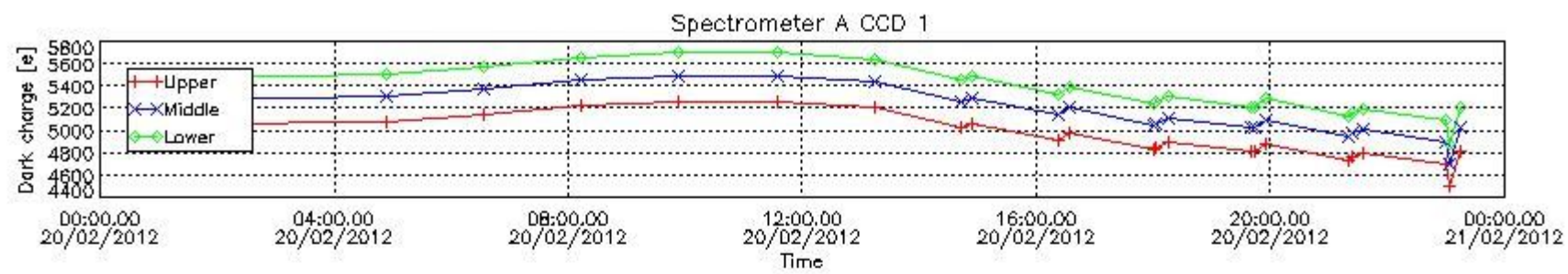
The Dark Charge (DC) is a temperature-dependant signal added to the useful measurements and it is therefore subtracted from them during the processing. There are two phenomena that produce a continuous increase of the DC: the "hot pixels" (a pixel is "hot" when its DC exceeds by a significant amount 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_1PNPDE20120220_013216_000000413112_00003_52172_0002.N1	DC map used
GOM_TRA_1PNPDE20120220_031231_000000513112_00004_52173_0003.N1	DC map used
GOM_TRA_1PNPDE20120220_045245_000000483112_00005_52174_0047.N1	DC map used
GOM_TRA_1PNPDE20120220_063300_000000443112_00006_52175_0096.N1	DC map used
GOM_TRA_1PNPDK20120220_081315_000000493112_00007_52176_4491.N1	DC map used
GOM_TRA_1PNPDK20120220_095329_000000493112_00008_52177_4528.N1	DC map used
GOM_TRA_1PNPDK20120220_113343_000000443112_00009_52178_4574.N1	DC map used
GOM_TRA_1PNPDK20120220_131358_000000433112_00010_52179_4618.N1	DC map used
GOM_TRA_1PNPDK20120220_144225_000000413112_00010_52179_4653.N1	DC map used
GOM_TRA_1PNPDK20120220_145412_000000423112_00011_52180_4654.N1	DC map used
GOM_TRA_1PNPDK20120220_162239_000000423112_00011_52180_4679.N1	DC map used
GOM_TRA_1PNPDK20120220_163427_000000453112_00012_52181_4680.N1	DC map used
GOM_TRA_1PNPDK20120220_175958_000000453112_00012_52181_4710.N1	DC map used
GOM_TRA_1PNPDK20120220_180254_000000423112_00012_52181_4711.N1	DC map used
GOM_TRA_1PNPDK20120220_181442_000000423112_00013_52182_4712.N1	DC map used
GOM_TRA_1PNPDK20120220_194013_000000423112_00013_52182_4735.N1	DC map used
GOM_TRA_1PNPDK20120220_194308_000000413112_00013_52182_4736.N1	DC map used
GOM_TRA_1PNPDK20120220_195456_000000443112_00014_52183_4737.N1	DC map used
GOM_TRA_1PNPDE20120220_212027_000000433112_00014_52183_0304.N1	DC map used
GOM_TRA_1PNPDE20120220_212322_000000403112_00014_52183_0305.N1	DC map used
GOM_TRA_1PNPDE20120220_213510_000000413112_00015_52184_0306.N1	DC map used
GOM_TRA_1PNPDE20120220_230041_000000473112_00015_52184_0327.N1	DC map used
GOM_TRA_1PNPDE20120220_230337_000000403112_00015_52184_0328.N1	DC map used
GOM_TRA_1PNPDE20120220_231525_000000453112_00016_52185_0329.N1	DC map used

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



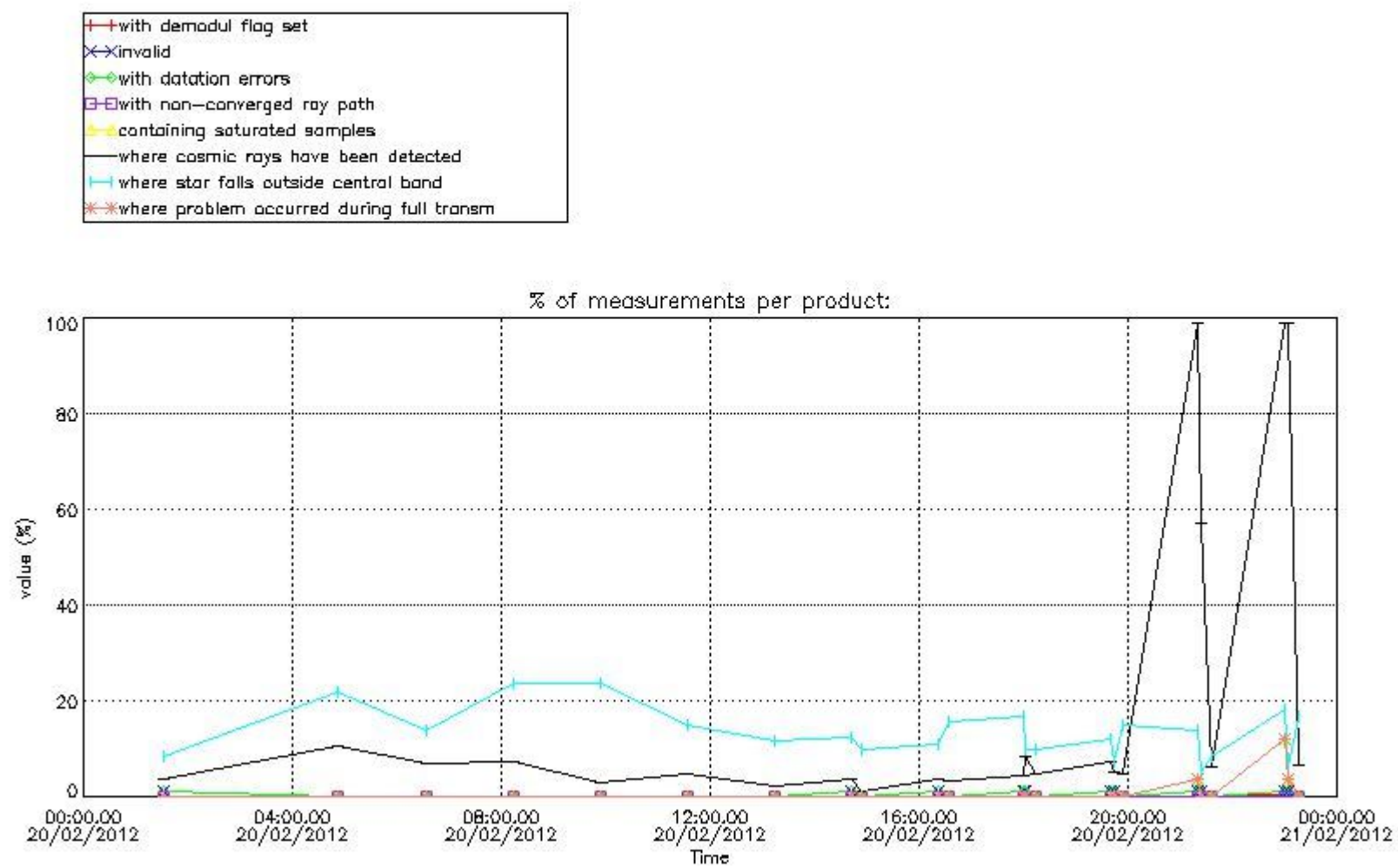
5. Demodulation flag and quality information monitoring

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.

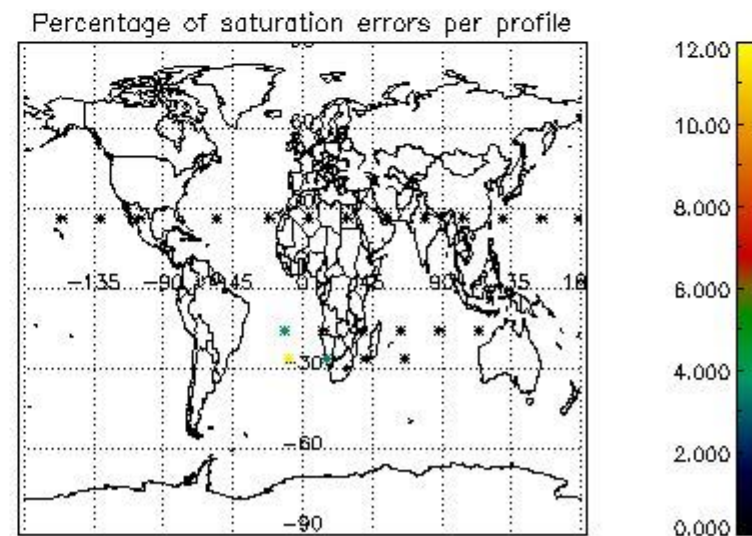
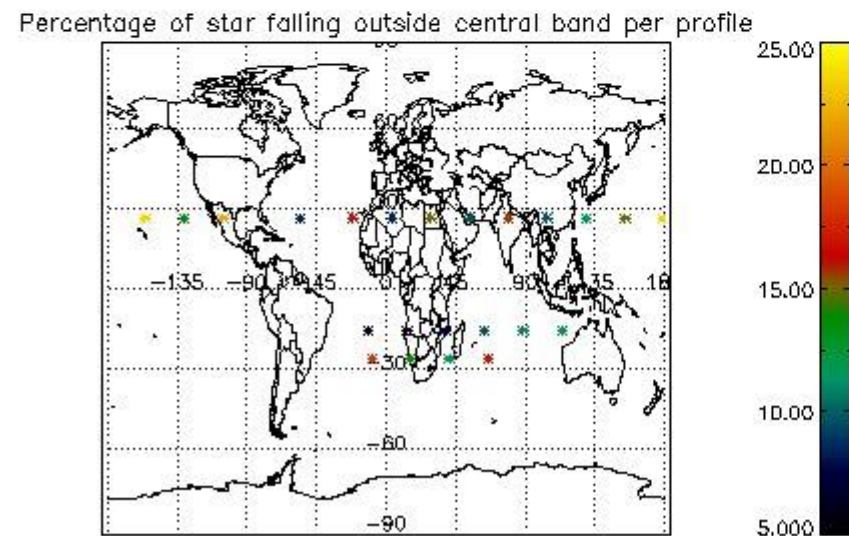
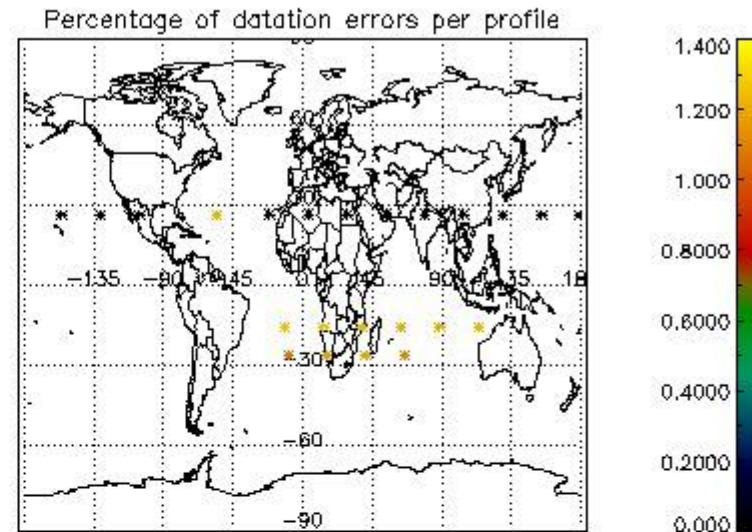
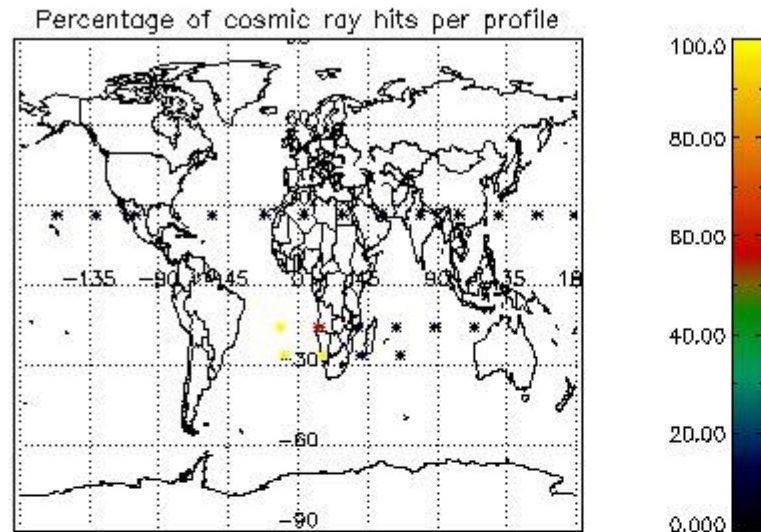
5.1 Percentage of products during reporting period with:

At least one measurement with demodulation flag set:	86.9565 %
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)



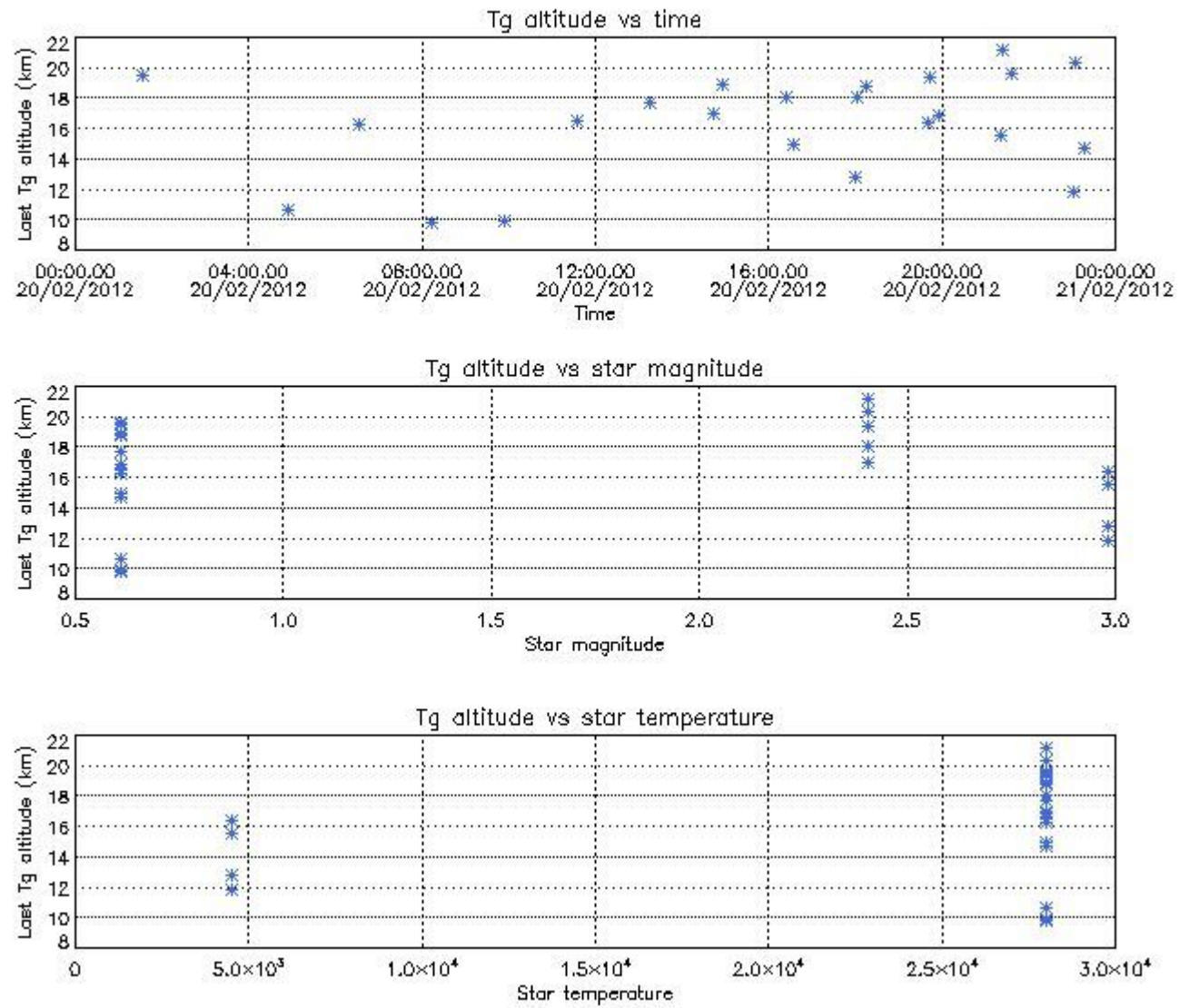
6. Statistics and plot of tangent altitude of the last measurement (DARK & BRIGHT products without errors)

6.1 Statistics on tangent altitude lost:

Statistics	DARK	BRIGHT	TWILIGHT
Mean:	16.288	NaN	NaN
St. deviation:	3.3342	NaN	NaN
Maximum:	21.190	NaN	NaN
Minimum:	9.8345	NaN	NaN
Number of data:	23.000	NaN	NaN

6.2 Plot for DARK limb products

Tangent altitude at which the star is lost

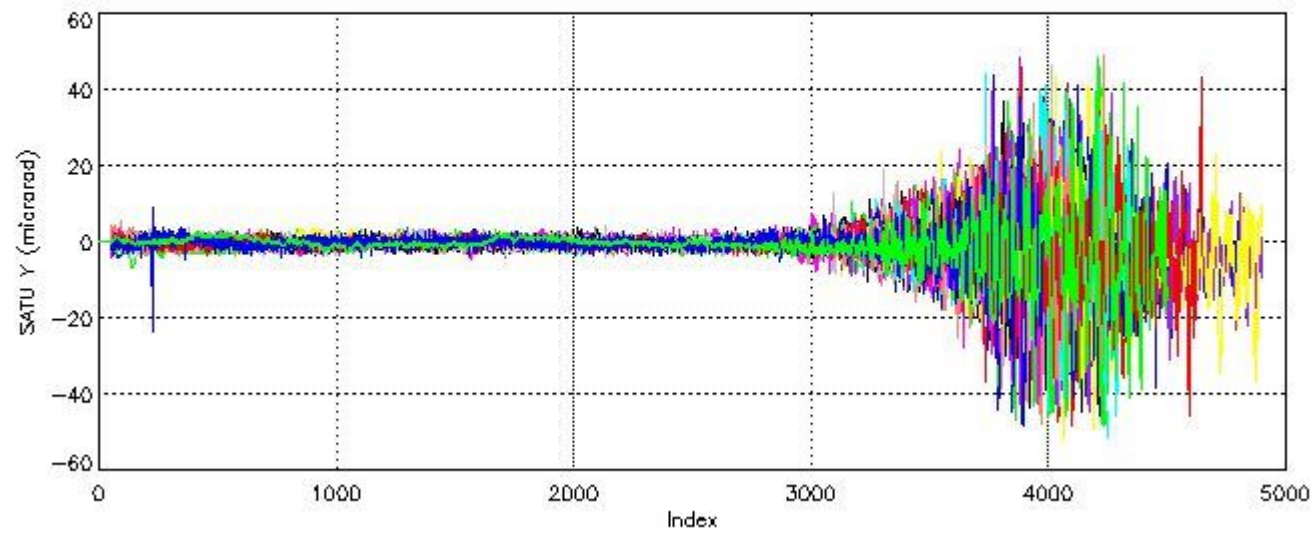
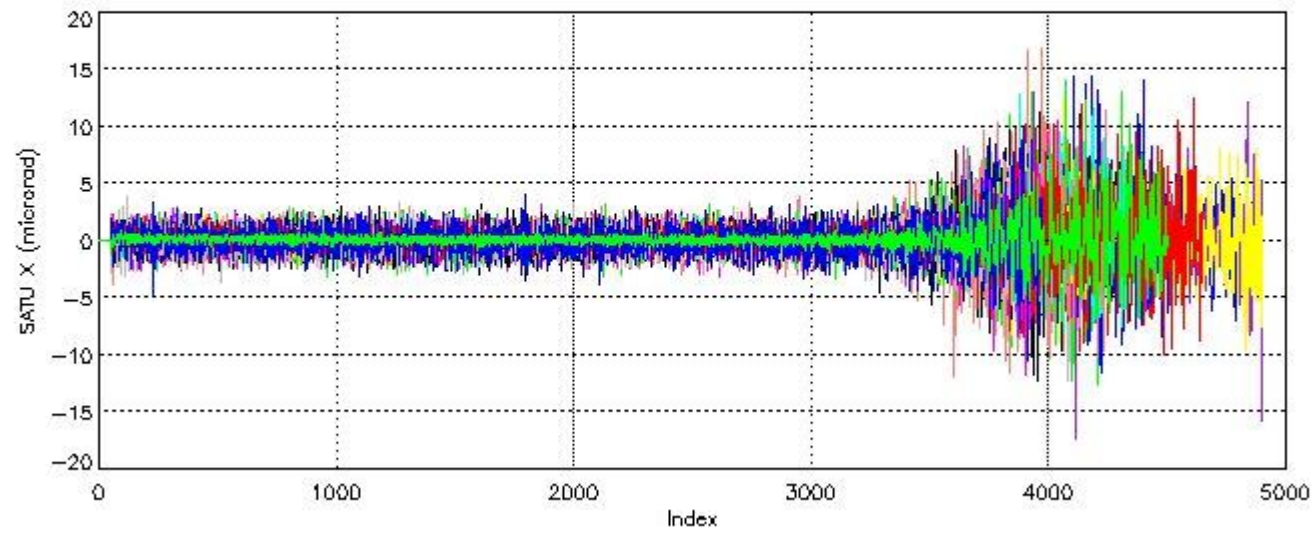


7. Star Acquisition and Tracking Unit (SATU)

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:	0.11861	-0.30800	NaN	NaN
St. deviation:	0.49056	0.86782	NaN	NaN
Maximum:	3.8000	8.9000	NaN	NaN
Minimum:	-4.8000	-23.900	NaN	NaN

Number of data:	22250.	22250.	NaN	NaN
90Percentile:	0.70000	0.80000	NaN	NaN

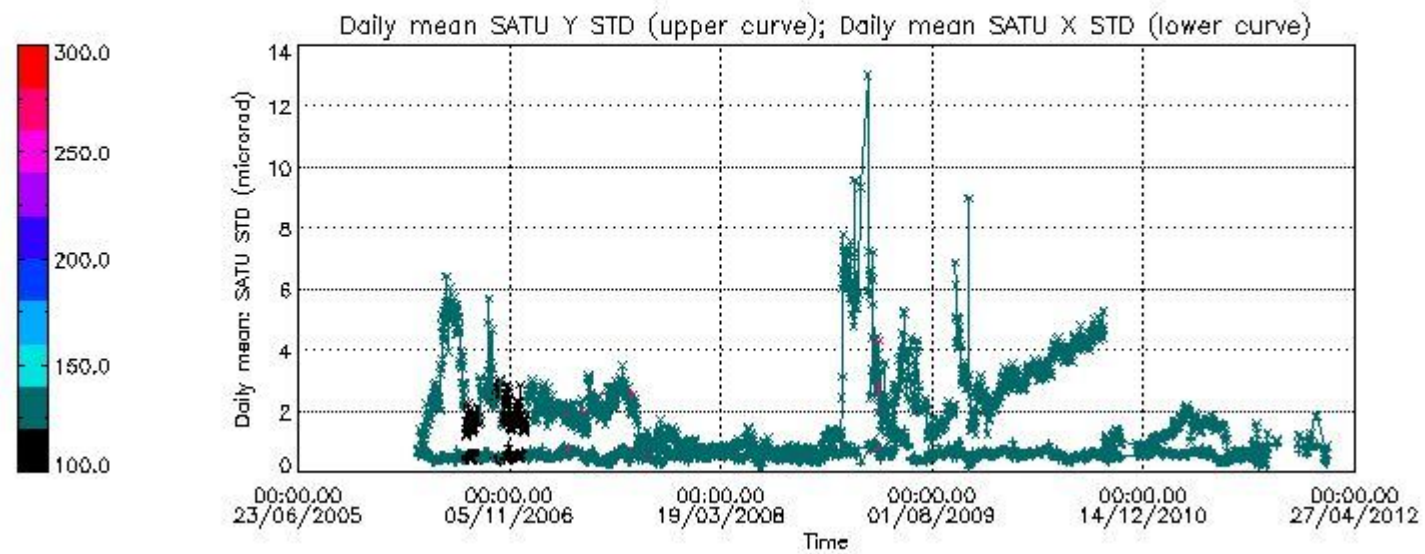
7.2.2 Trend of daily SATU NEA St. deviation since 1st April 2006 (dark limb) and of daily SATU NEA 90th percentile since May 2011

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.

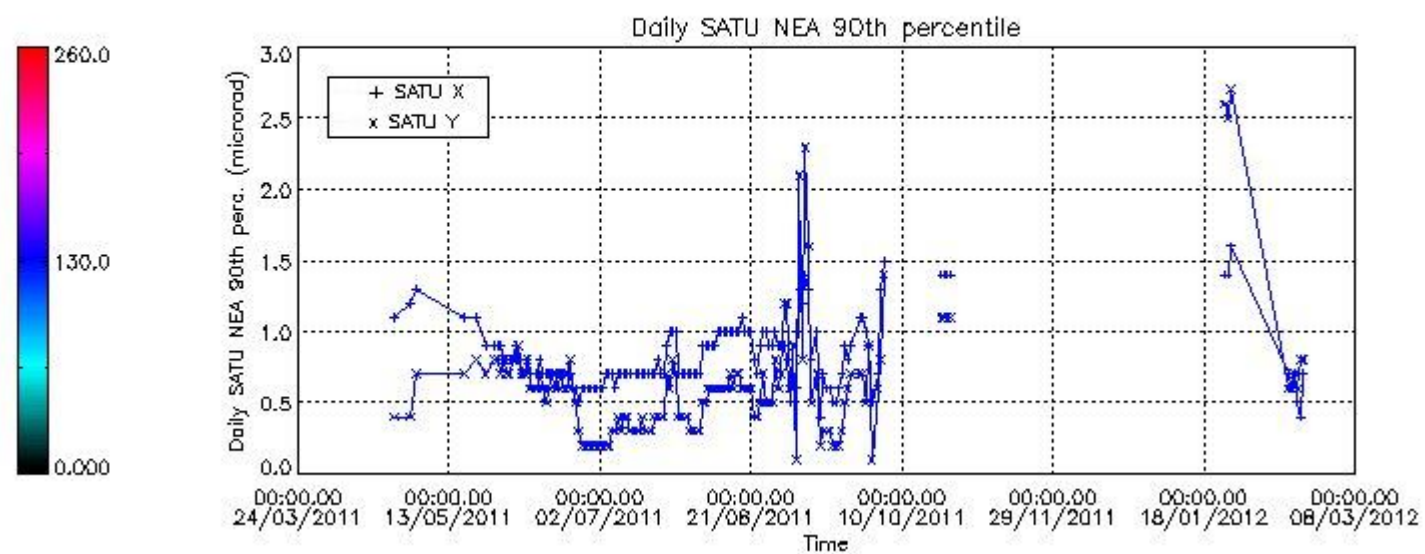
Upper curve: STD of SATU Y axis

Lower curve: STD of SATU X axis



Lower curve: 90th percentile of SATU Y axis

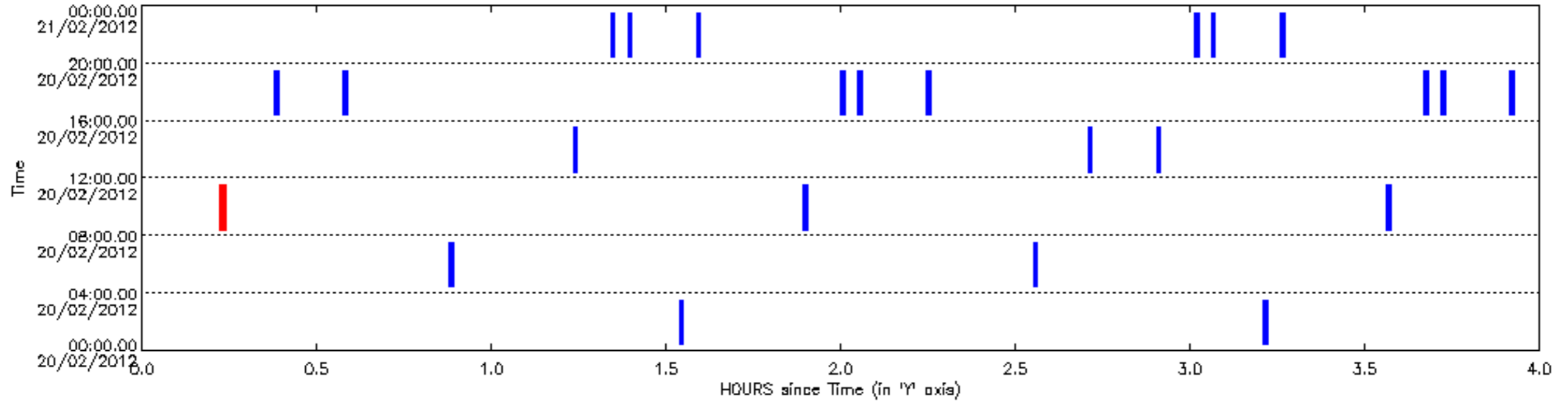
Upper curve: 90th percentile of SATU X axis

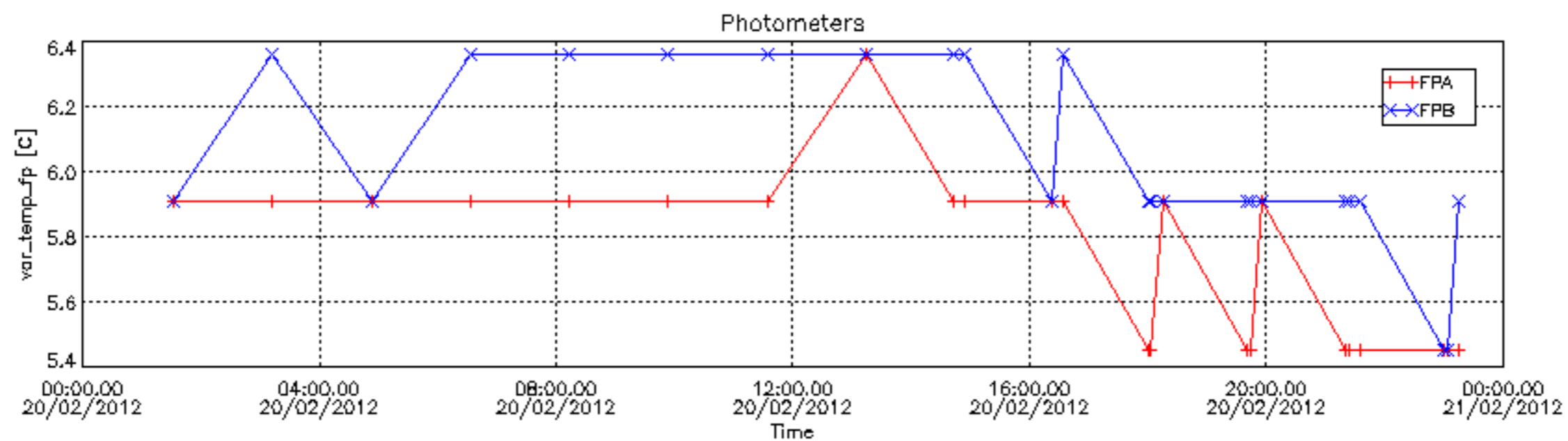
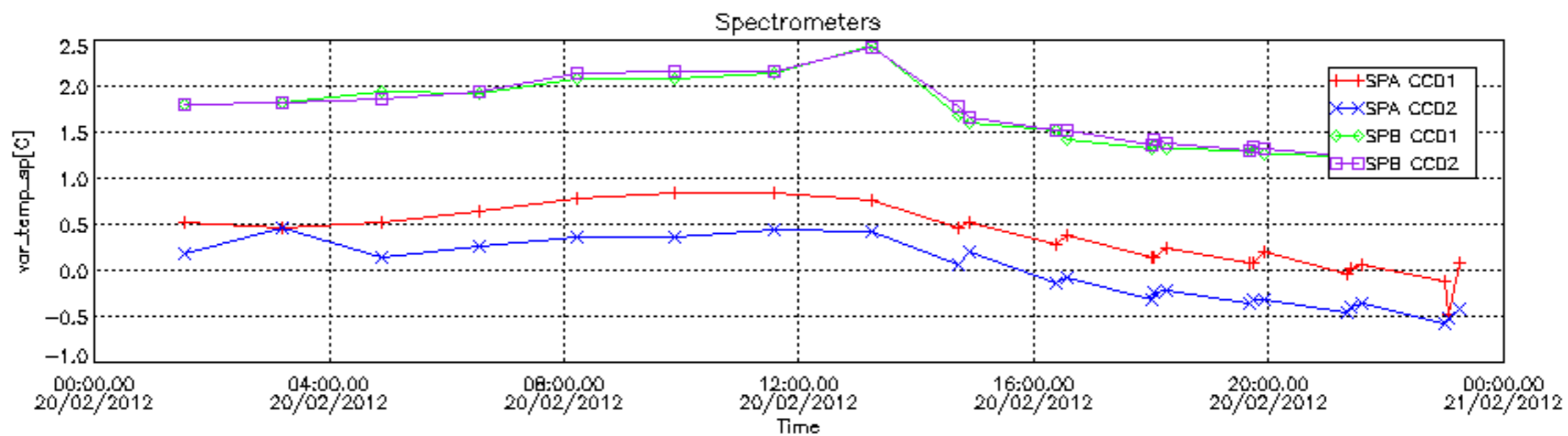


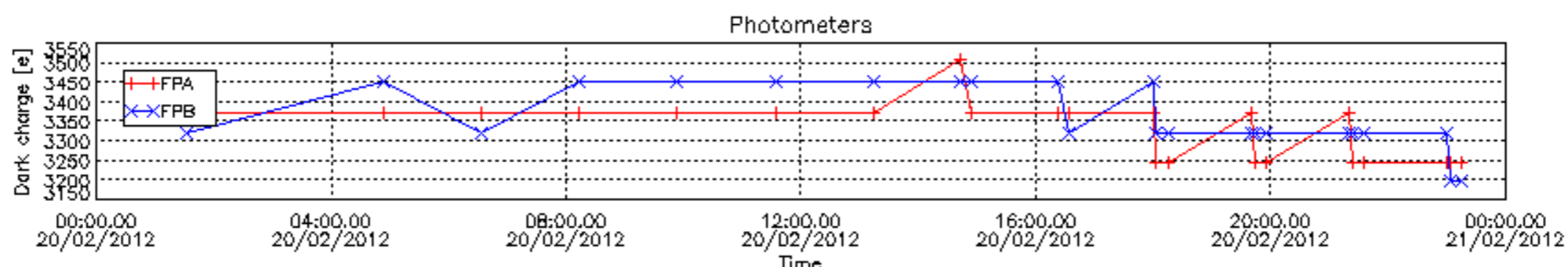
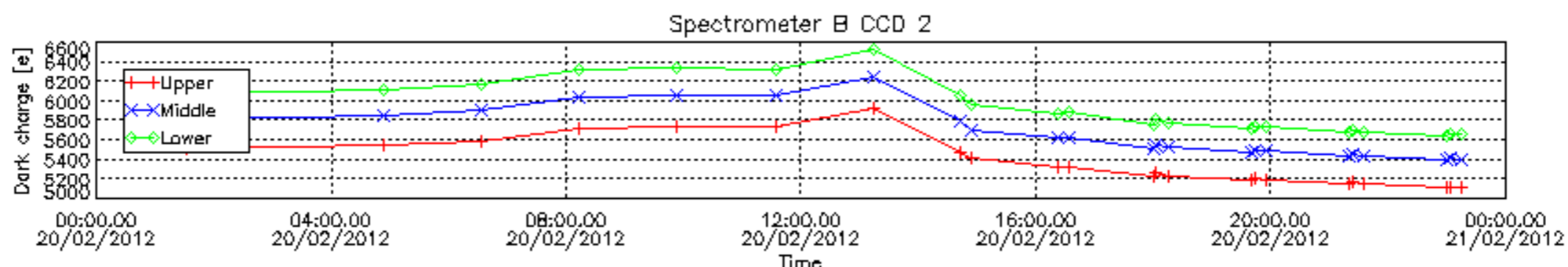
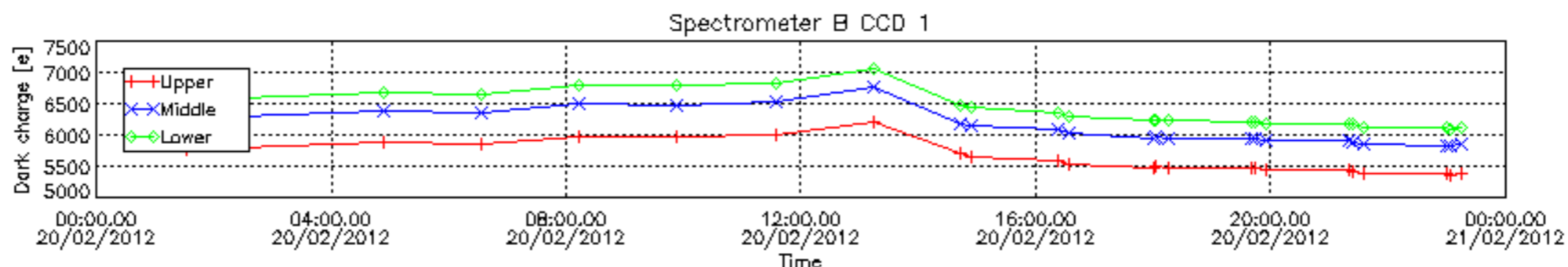
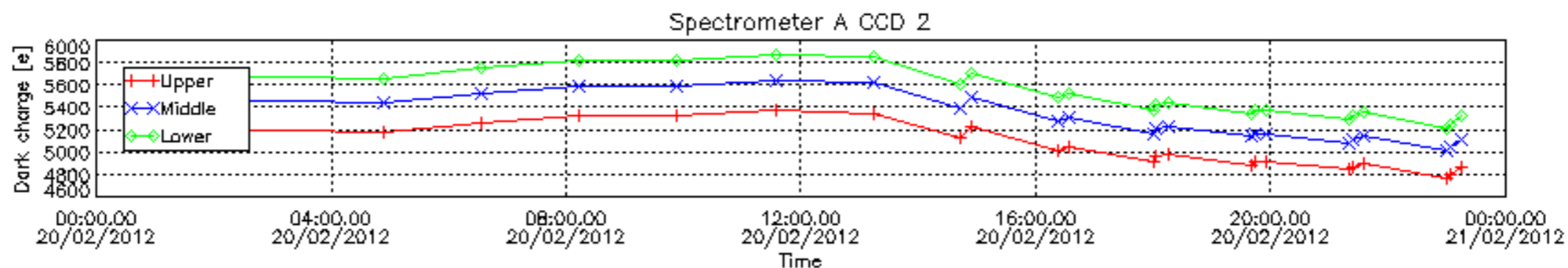
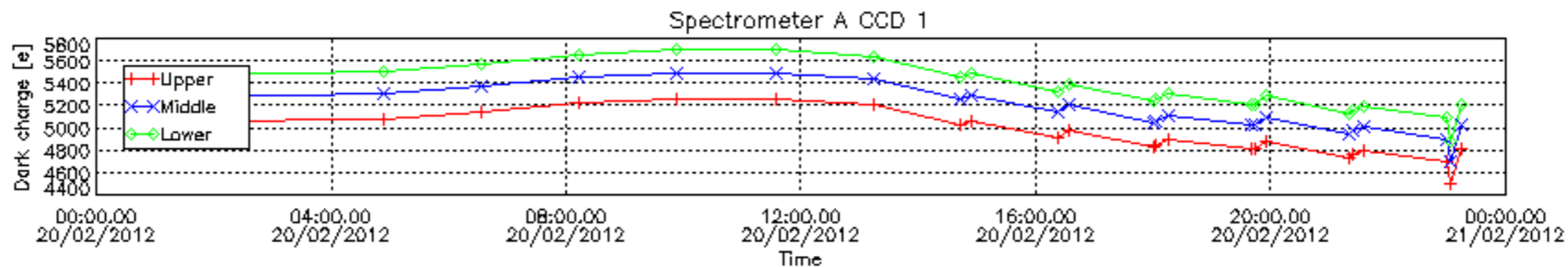
8. Auxiliary Data Files used for the production reported in section 2.4

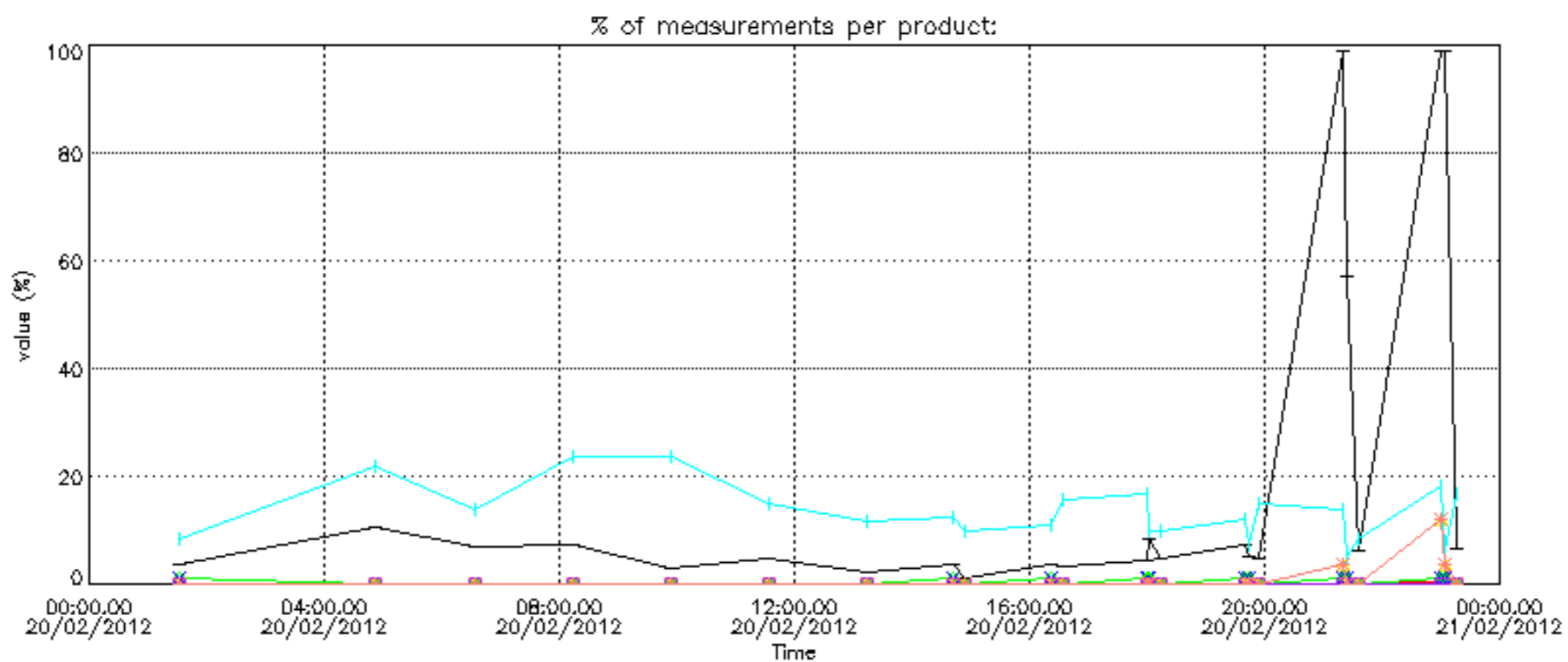
The number reported in the third column indicates since which file (see list in section 2.4) the corresponding auxiliary file has been used. The fourth column is the date of those product files.

Type	Auxiliary Filename	Used since product	Used since product date
INST_PHYS_CHARACTERISTICS	GOM_INS_AXVIEC20111213_163131_20111215_000000_20500101_000000	1	20-FEB-2012 01:32:16
CALIBRATION_DATABASE	GOM_CAL_AXVIEC20120130_103112_20120125_000000_20500101_000000	1	20-FEB-2012 01:32:16
LEVEL-1B_PROC_CONFIG	GOM_PR1_AXVIEC20110513_081743_20020301_000000_20500101_000000	1	20-FEB-2012 01:32:16
STAR_CATALOGUE	GOM_CAT_AXVIEC20020121_161009_20020101_000000_20200101_000000	1	20-FEB-2012 01:32:16
STELLAR_SPECTRA_DATABANK	GOM_STS_AXVIEC20091111_151504_20020101_160000_20500101_000000	1	20-FEB-2012 01:32:16
ECMWF_FILE	AUX_ECF_AXNECM20120219_062116_20120219_210000_20120220_090000	1	20-FEB-2012 01:32:16
ECMWF_FILE	AUX_ECF_AXNECM20120219_182831_20120220_030000_20120220_150000	3	20-FEB-2012 04:52:45
ECMWF_FILE	AUX_ECA_AXNECM20120220_062115_20120219_210000_20120220_090000	4	20-FEB-2012 06:33:00
ECMWF_FILE	AUX_ECF_AXNECM20120220_062116_20120220_090000_20120220_210000	6	20-FEB-2012 09:53:29
ECMWF_FILE	AUX_ECF_AXNECM20120220_062116_20120220_150000_20120221_030000	11	20-FEB-2012 16:22:39
ECMWF_FILE	AUX_ECA_AXNECM20120220_180941_20120220_090000_20120220_210000	16	20-FEB-2012 19:40:13
ECMWF_FILE	AUX_ECF_AXNECM20120220_062116_20120220_210000_20120221_090000	19	20-FEB-2012 21:20:27
OPTIONAL_ECMWF_FILE	MISSING	1	20-FEB-2012 01:32:16
ORBIT_DATA_FILE	AUX_FPO_AXVPDS20120218_232839_20120218_192049_20120228_213426	1	20-FEB-2012 01:32:16
ORBIT_DATA_FILE	AUX_FPO_AXVPDS20120220_112941_20120219_184403_20120229_205740	8	20-FEB-2012 13:13:58
ORBIT_DATA_FILE	AUX_FPO_AXVPDS20120220_232939_20120220_194732_20120301_202055	22	20-FEB-2012 23:00:41

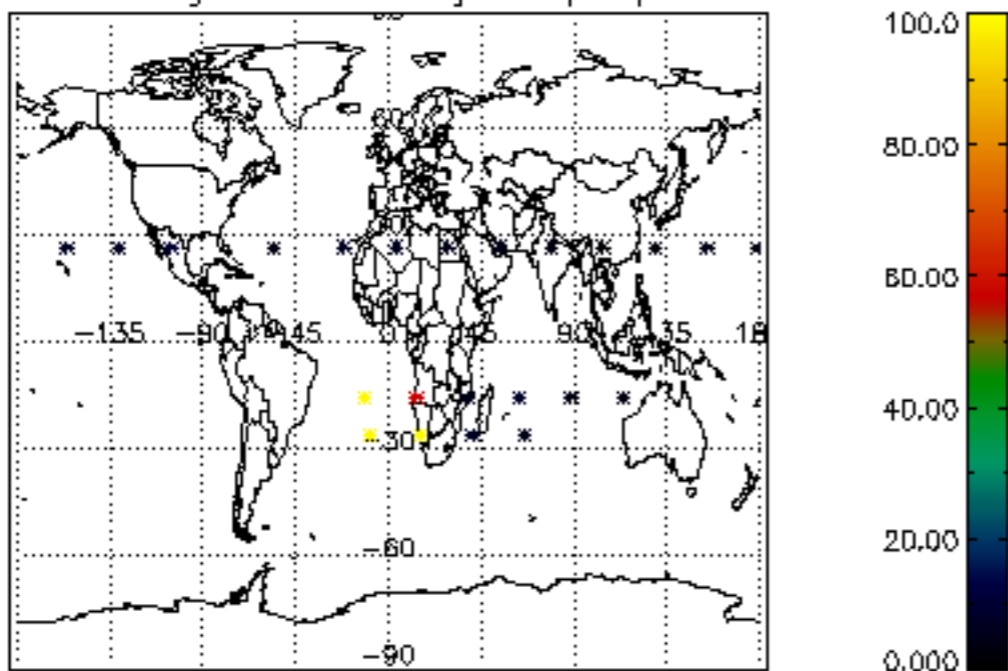




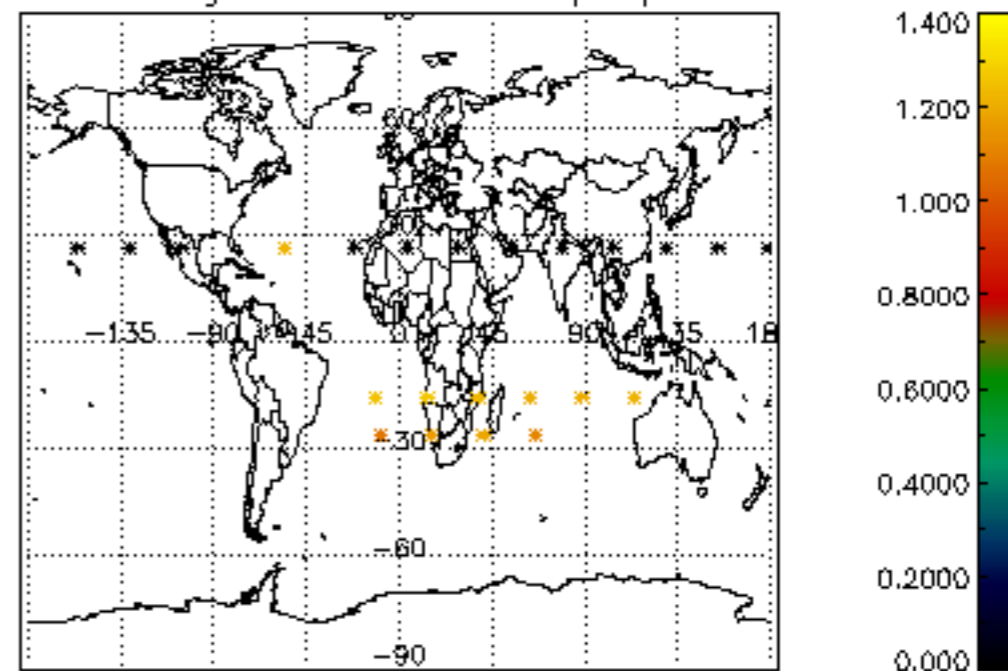




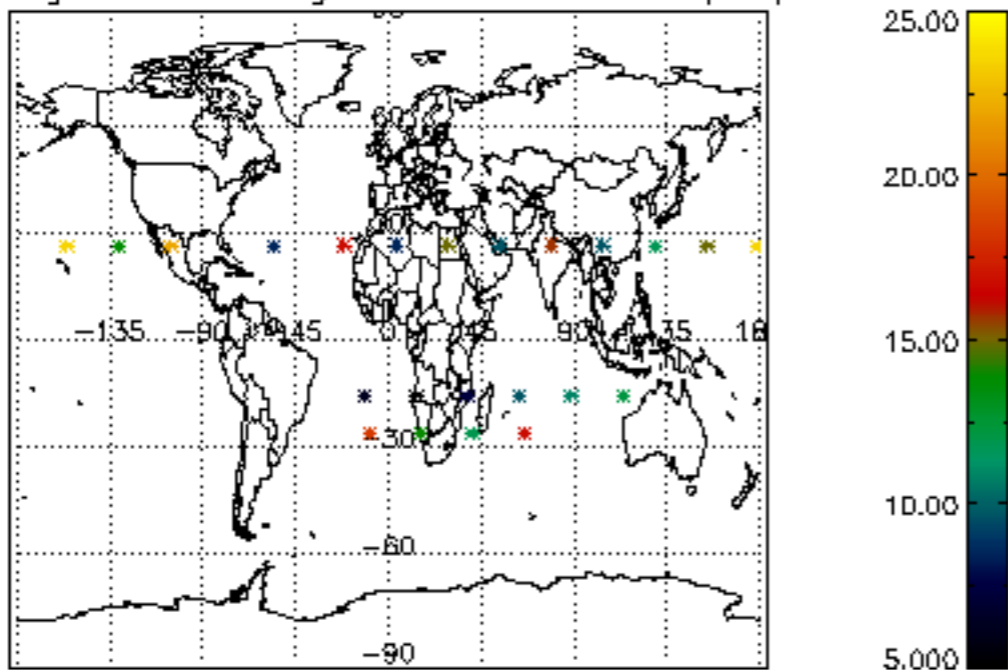
Percentage of cosmic ray hits per profile



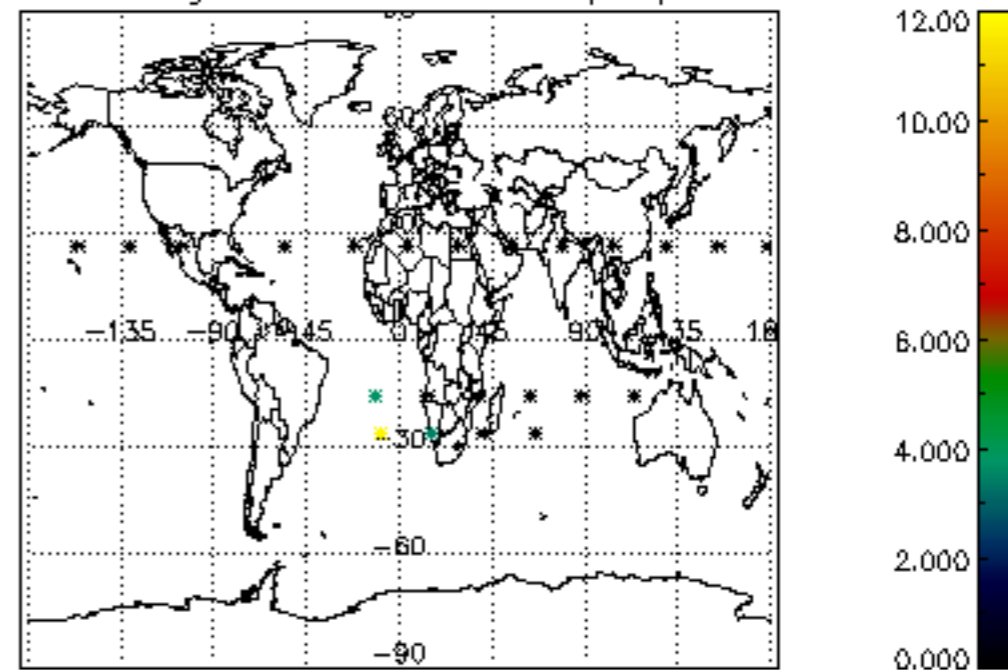
Percentage of datation errors per profile



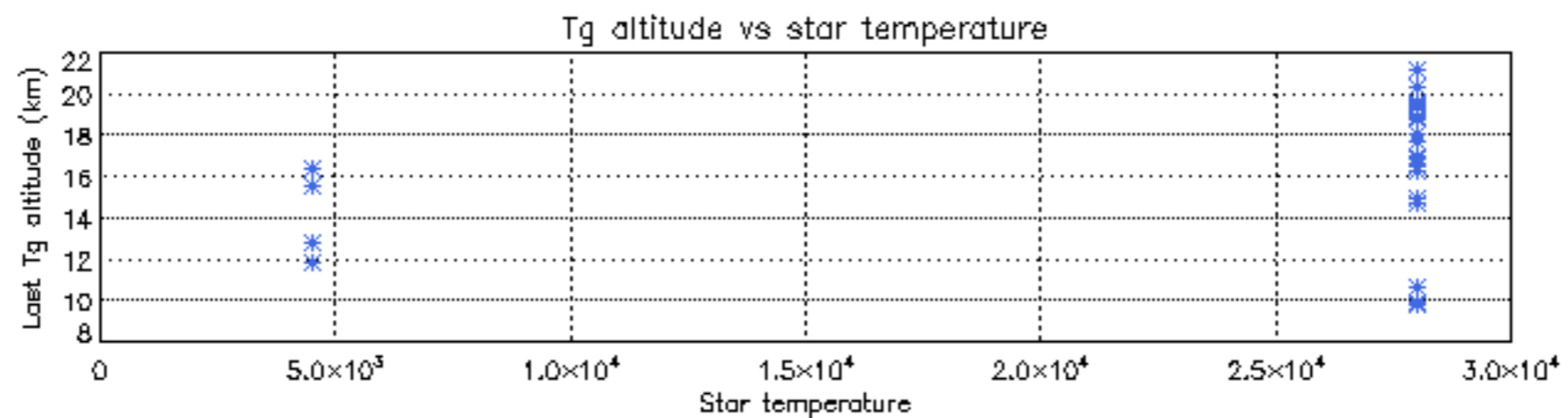
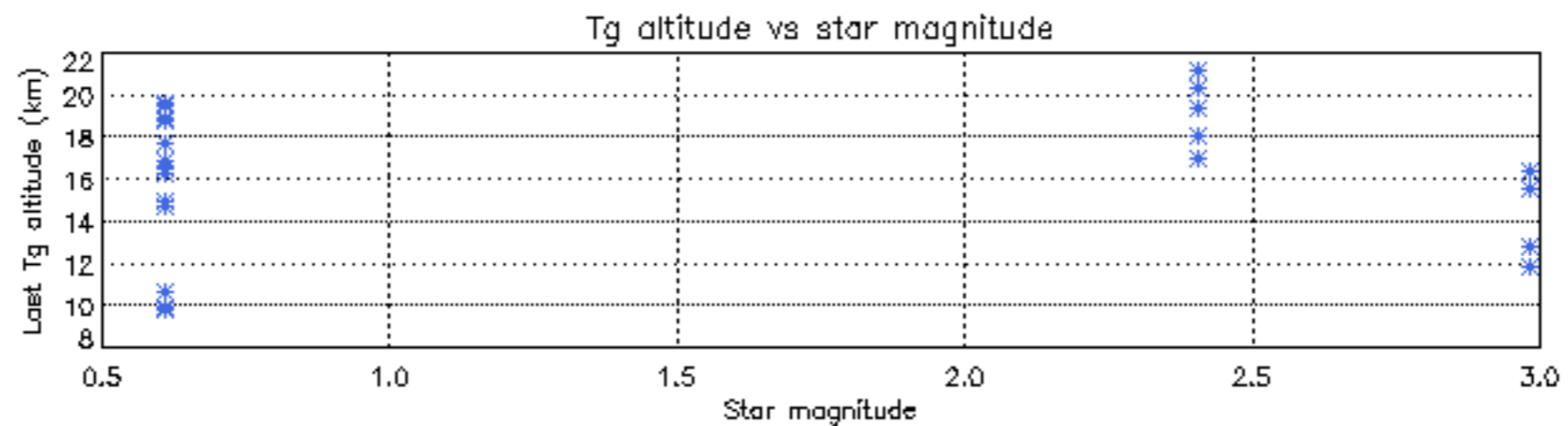
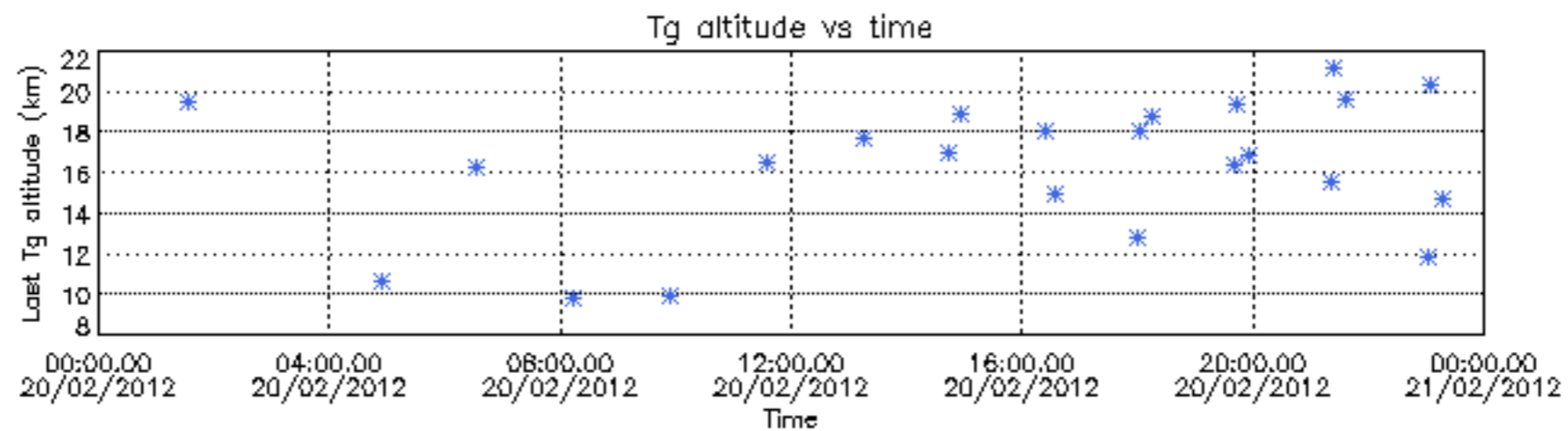
Percentage of star falling outside central band per profile

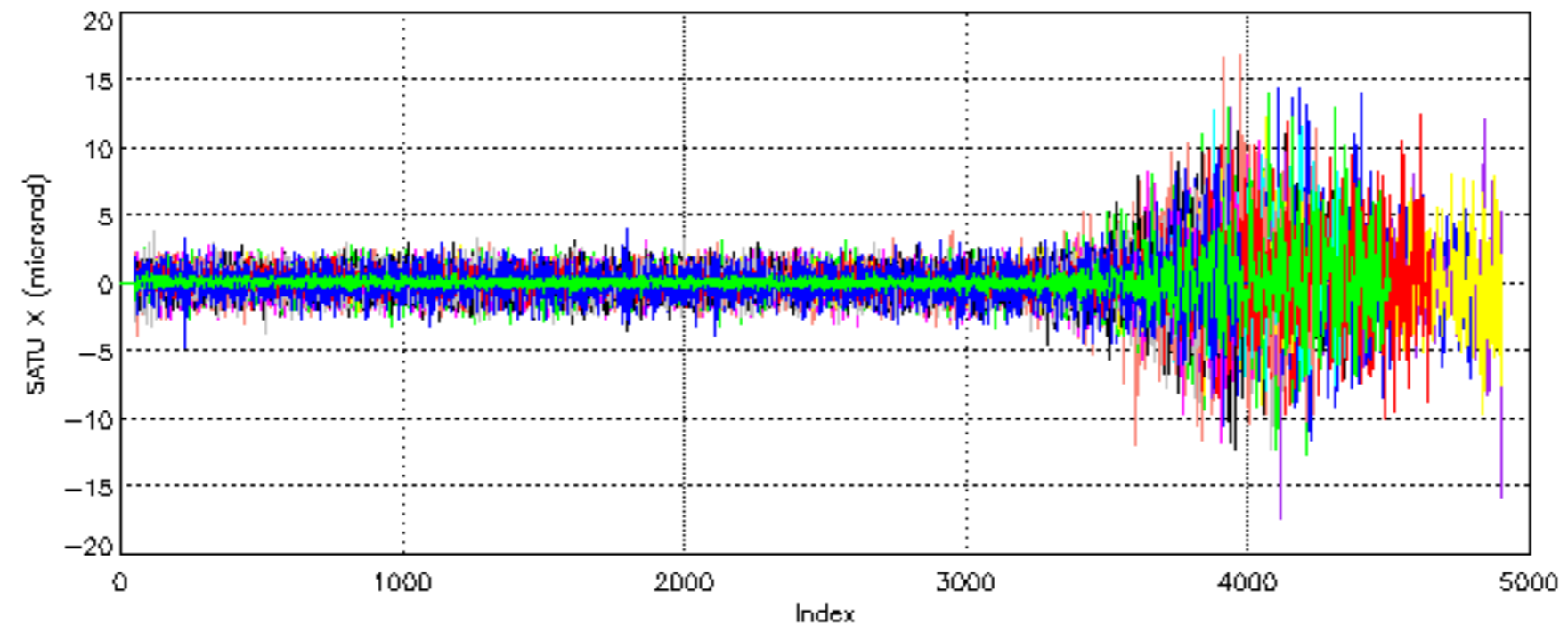


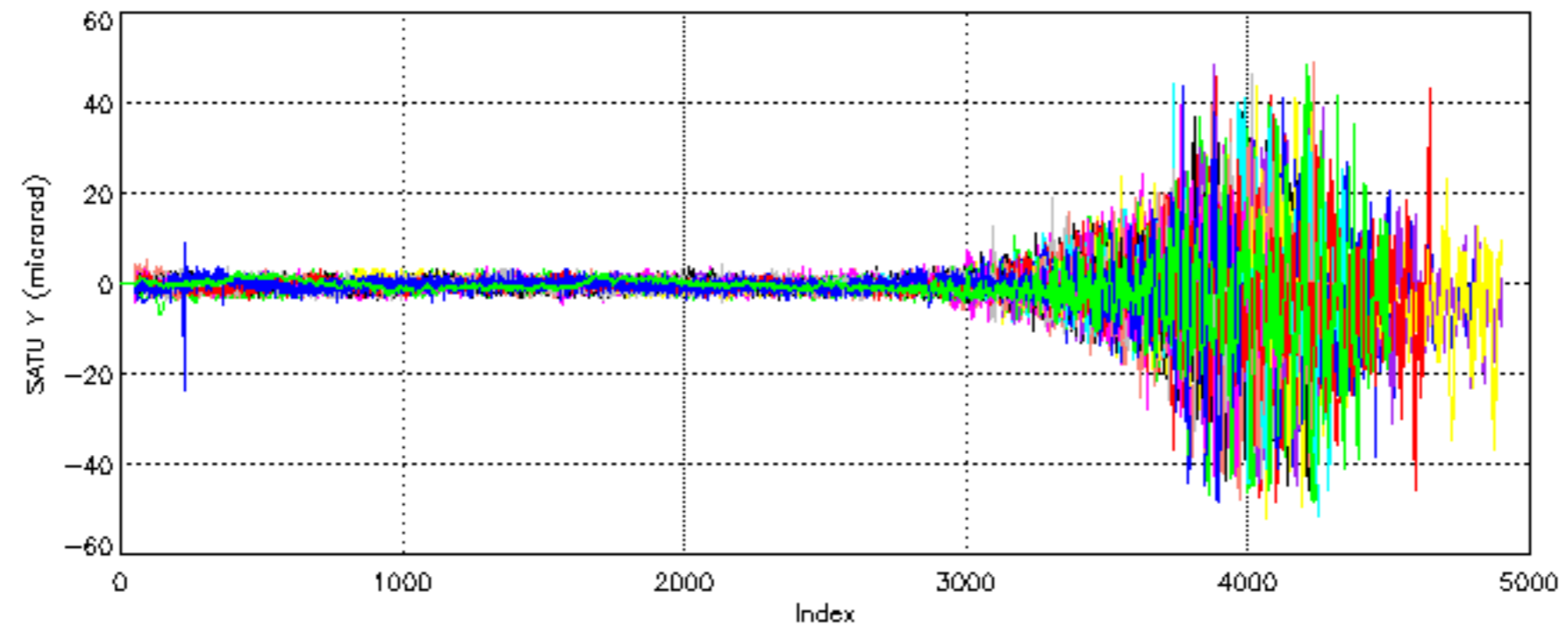
Percentage of saturation errors per profile

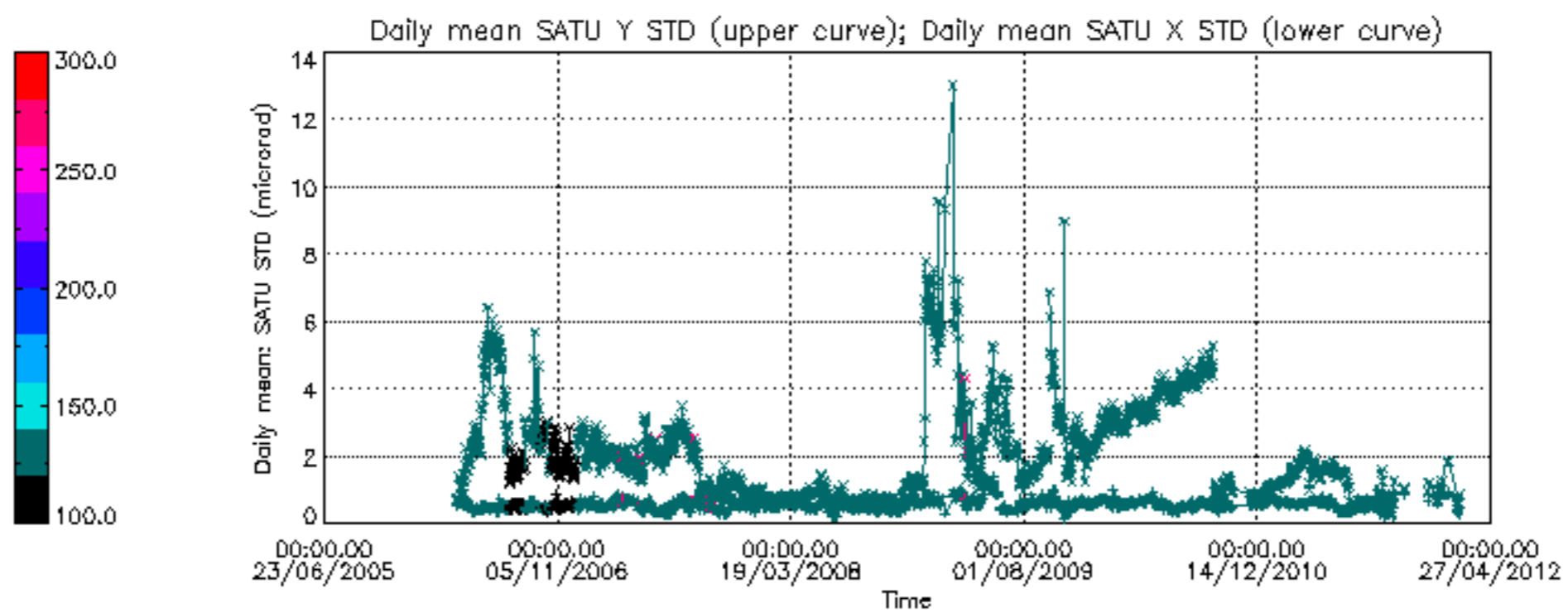


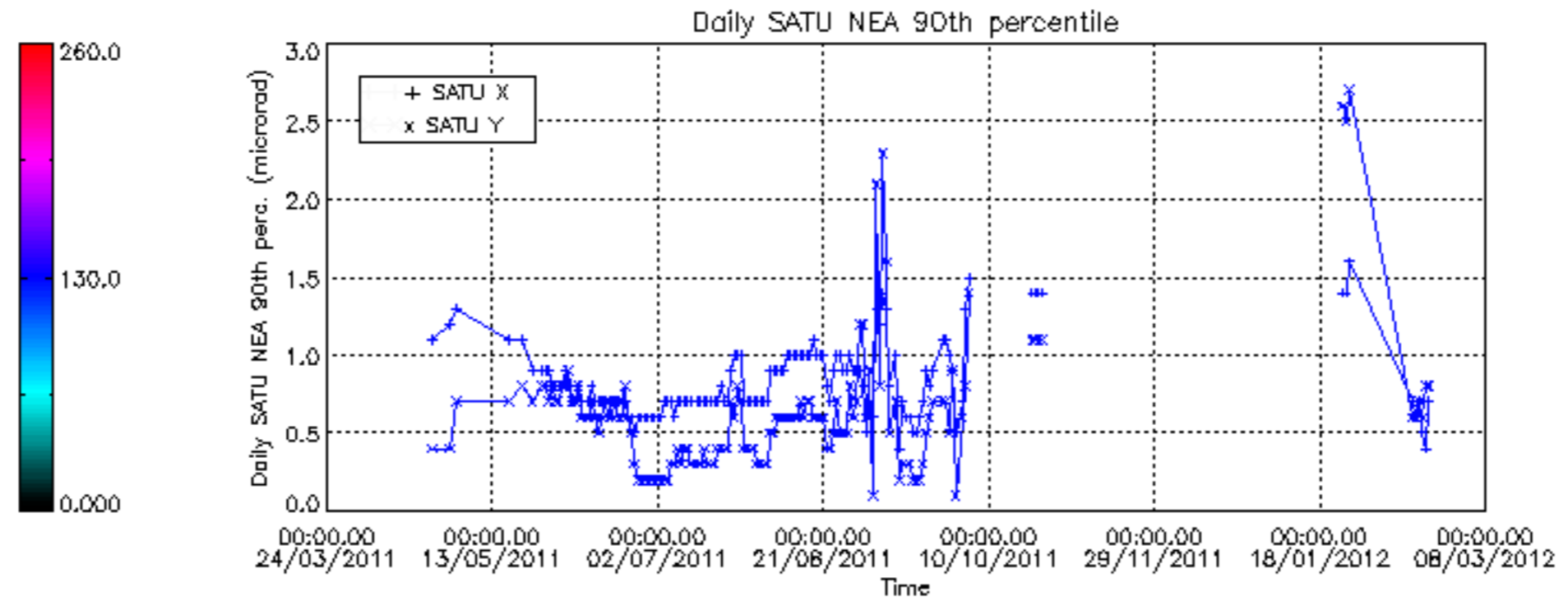
Tangent altitude at which the star is lost











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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
3; 921.0; 15-FEB-2012 06:24:20; Dark ; 33.5; 113; Mu Vel ; 2.69; 5000;occ; 67; 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
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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
/nas3/ENVISAT/GOMOS/GOM_NL__0P/GOM_NL__0PNPDE20120218_005320_000009233111_00404_52142_6624.N1
1; -295.3; 18-FEB-2012 00:53:20; Dark ; 33.0; 25; 35Lam Sco ; 1.62; 28000;occ; 66; 0;52142
2; 419.8; 18-FEB-2012 01:05:15; Dark ; 45.0; 10; Bet Cen ; 0.61; 28000;occ; 90; 0;52143
3; 586.7; 18-FEB-2012 01:08:02; Dark ; 41.5; 20; Bet Cru ; 1.25; 30000;occ; 83; 0;52143
/nas3/ENVISAT/GOMOS/GOM_NL__0P/GOM_NL__0PNPDE20120218_023335_000009293111_00405_52143_6625.N1
1; -294.6; 18-FEB-2012 02:33:35; Dark ; 28.0; 25; 35Lam Sco ; 1.62; 28000;occ; 56; 0;52143
2; 420.5; 18-FEB-2012 02:45:30; Dark ; 45.5; 10; Bet Cen ; 0.61; 28000;occ; 91; 0;52144
3; 587.3; 18-FEB-2012 02:48:16; Dark ; 48.0; 20; Bet Cru ; 1.25; 30000;occ; 96; 0;52144
/nas3/ENVISAT/GOMOS/GOM_NL__0P/GOM_NL__0PNPDE20120218_042544_00000503111_00407_52145_6626.N1
1; 420.9; 18-FEB-2012 04:25:44; Dark ; 51.0; 10; Bet Cen ; 0.61; 28000;occ; 102; 0;52145
/nas3/ENVISAT/GOMOS/GOM_NL__0P/GOM_NL__0PNPDE20120218_060559_00000453111_00408_52146_6627.N1
1; 421.5; 18-FEB-2012 06:05:59; Dark ; 45.5; 10; Bet Cen ; 0.61; 28000;occ; 91; 0;52146
/nas3/ENVISAT/GOMOS/GOM_NL__0P/GOM_NL__0PNPDE20120218_224824_00000423111_00418_52156_6628.N1
1; 427.7; 18-FEB-2012 22:48:24; Dark ; 42.5; 10; Bet Cen ; 0.61; 28000;occ; 85; 0;52156
/nas3/ENVISAT/GOMOS/GOM_NL__0P/GOM_NL__0PNPDK20120218_074613_00000493111_00409_52147_5618.N1
1; 422.2; 18-FEB-2012 07:46:13; Dark ; 50.0; 10; Bet Cen ; 0.61; 28000;occ; 100; 0;52147
/nas3/ENVISAT/GOMOS/GOM_NL__0P/GOM_NL__0PNPDK20120218_092628_00000533111_00410_52148_5619.N1
1; 422.8; 18-FEB-2012 09:26:28; Dark ; 53.5; 10; Bet Cen ; 0.61; 28000;occ; 107; 0;52148
/nas3/ENVISAT/GOMOS/GOM_NL__0P/GOM_NL__0PNPDK20120218_110642_00000503111_00411_52149_5620.N1
1; 423.4; 18-FEB-2012 11:06:42; Dark ; 50.5; 10; Bet Cen ; 0.61; 28000;occ; 101; 0;52149
/nas3/ENVISAT/GOMOS/GOM_NL__0P/GOM_NL__0PNPDK20120218_124657_00000393111_00412_52150_5621.N1
1; 424.0; 18-FEB-2012 12:46:57; Dark ; 40.0; 10; Bet Cen ; 0.61; 28000;occ; 80; 0;52150
/nas3/ENVISAT/GOMOS/GOM_NL__0P/GOM_NL__0PNPDK20120218_142711_00000433111_00413_52151_5622.N1
1; 424.6; 18-FEB-2012 14:27:11; Dark ; 43.5; 10; Bet Cen ; 0.61; 28000;occ; 87; 0;52151
/nas3/ENVISAT/GOMOS/GOM_NL__0P/GOM_NL__0PNPDK20120218_160726_00000433111_00414_52152_5623.N1
1; 425.4; 18-FEB-2012 16:07:26; Dark ; 44.0; 10; Bet Cen ; 0.61; 28000;occ; 88; 0;52152
/nas3/ENVISAT/GOMOS/GOM_NL__0P/GOM_NL__0PNPDK20120218_174740_00000453111_00415_52153_5624.N1
1; 425.9; 18-FEB-2012 17:47:40; Dark ; 46.0; 10; Bet Cen ; 0.61; 28000;occ; 92; 0;52153
/nas3/ENVISAT/GOMOS/GOM_NL__0P/GOM_NL__0PNPDK20120218_192755_00000473111_00416_52154_5625.N1
1; 426.5; 18-FEB-2012 19:27:55; Dark ; 47.5; 10; Bet Cen ; 0.61; 28000;occ; 95; 0;52154
/nas3/ENVISAT/GOMOS/GOM_NL__0P/GOM_NL__0PNPDK20120218_210810_00000403111_00417_52155_5626.N1
1; 427.1; 18-FEB-2012 21:08:10; Dark ; 41.0; 10; Bet Cen ; 0.61; 28000;occ; 82; 0;52155
/nas3/ENVISAT/GOMOS/GOM_NL__0P/GOM_NL__0PNPDE20120219_002838_00000473111_00419_52157_6629.N1
1; 428.2; 19-FEB-2012 00:28:38; Dark ; 47.5; 10; Bet Cen ; 0.61; 28000;occ; 95; 0;52157
/nas3/ENVISAT/GOMOS/GOM_NL__0P/GOM_NL__0PNPDE20120219_020853_00000443111_00420_52158_6630.N1
1; 428.8; 19-FEB-2012 02:08:53; Dark ; 44.5; 10; Bet Cen ; 0.61; 28000;occ; 89; 0;52158
/nas3/ENVISAT/GOMOS/GOM_NL__0P/GOM_NL__0PNPDE20120219_034907_00000443111_00421_52159_6631.N1
1; 429.4; 19-FEB-2012 03:49:07; Dark ; 44.5; 10; Bet Cen ; 0.61; 28000;occ; 89; 0;52159
/nas3/ENVISAT/GOMOS/GOM_NL__0P/GOM_NL__0PNPDE20120219_052922_00000503111_00422_52160_6632.N1
1; 430.2; 19-FEB-2012 05:29:22; Dark ; 50.5; 10; Bet Cen ; 0.61; 28000;occ; 101; 0;52160
/nas3/ENVISAT/GOMOS/GOM_NL__0P/GOM_NL__0PNPDE20120219_221147_00000413112_00001_52170_6633.N1
1; 436.1; 19-FEB-2012 22:11:47; Dark ; 41.5; 10; Bet Cen ; 0.61; 28000;occ; 83; 0;52170
/nas3/ENVISAT/GOMOS/GOM_NL__0P/GOM_NL__0PNPDE20120219_235202_00000453112_00002_52171_6634.N1
1; 436.8; 19-FEB-2012 23:52:02; Dark ; 46.0; 10; Bet Cen ; 0.61; 28000;occ; 92; 0;52171
/nas3/ENVISAT/GOMOS/GOM_NL__0P/GOM_NL__0PNPDK20120219_070937_00000463111_00423_52161_5627.N1
1; 430.8; 19-FEB-2012 07:09:37; Dark ; 46.5; 10; Bet Cen ; 0.61; 28000;occ; 93; 0;52161
/nas3/ENVISAT/GOMOS/GOM_NL__0P/GOM_NL__0PNPDK20120219_084951_00000403111_00424_52162_5628.N1
1; 431.5; 19-FEB-2012 08:49:51; Dark ; 41.0; 10; Bet Cen ; 0.61; 28000;occ; 82; 0;52162
/nas3/ENVISAT/GOMOS/GOM_NL__0P/GOM_NL__0PNPDK20120219_103006_00000523111_00425_52163_5629.N1
1; 432.0; 19-FEB-2012 10:30:06; Dark ; 53.0; 10; Bet Cen ; 0.61; 28000;occ; 106; 0;52163
/nas3/ENVISAT/GOMOS/GOM_NL__0P/GOM_NL__0PNPDK20120219_121020_00000423111_00426_52164_5630.N1
1; 432.5; 19-FEB-2012 12:10:20; Dark ; 42.5; 10; Bet Cen ; 0.61; 28000;occ; 85; 0;52164
/nas3/ENVISAT/GOMOS/GOM_NL__0P/GOM_NL__0PNPDK20120219_135035_00000413111_00427_52165_5631.N1
1; 433.2; 19-FEB-2012 13:50:35; Dark ; 42.0; 10; Bet Cen ; 0.61; 28000;occ; 84; 0;52165
/nas3/ENVISAT/GOMOS/GOM_NL__0P/GOM_NL__0PNPDK20120219_153049_00000393111_00428_52166_5632.N1
1; 433.8; 19-FEB-2012 15:30:49; Dark ; 40.0; 10; Bet Cen ; 0.61; 28000;occ; 80; 0;52166

/nas3/ENVISAT/GOMOS/GOM_NL__0P/GOM_NL__0PNPDK20120219_171104_000000413111_00429_52167_5633.N1
1; 434.4; 19-FEB-2012 17:11:04; Dark ; 41.5; 10; Bet Cen ; 0.61; 28000;occ; 83; 0;52167

/nas3/ENVISAT/GOMOS/GOM_NL__0P/GOM_NL__0PNPDK20120219_185118_000000413111_00430_52168_5634.N1
1; 435.0; 19-FEB-2012 18:51:18; Dark ; 41.5; 10; Bet Cen ; 0.61; 28000;occ; 83; 0;52168

/nas3/ENVISAT/GOMOS/GOM_NL__0P/GOM_NL__0PNPDE20120220_013216_0000060653112_00003_52172_6635.N1
1; 437.4; 20-FEB-2012 01:32:16; Dark ; 41.0; 10; Bet Cen ; 0.61; 28000;occ; 82; 0;52172
2; 6452.0; 20-FEB-2012 03:12:31; Dark ; 50.5; 10; Bet Cen ; 0.61; 28000;occ; 101; 0;52173

/nas3/ENVISAT/GOMOS/GOM_NL__0P/GOM_NL__0PNPDE20120220_045245_000000473112_00005_52174_6636.N1
1; 438.7; 20-FEB-2012 04:52:45; Dark ; 48.0; 10; Bet Cen ; 0.61; 28000;occ; 96; 0;52174

/nas3/ENVISAT/GOMOS/GOM_NL__0P/GOM_NL__0PNPDE20120220_063300_000000433112_00006_52175_6637.N1
1; 439.1; 20-FEB-2012 06:33:00; Dark ; 43.5; 10; Bet Cen ; 0.61; 28000;occ; 87; 0;52175

/nas3/ENVISAT/GOMOS/GOM_NL__0P/GOM_NL__0PNPDE20120220_212027_000009243112_00014_52183_6638.N1
1; -438.9; 20-FEB-2012 21:20:27; Dark ; 43.0; 167; 10Gam2Sgr ; 2.98; 4500;occ; 86; 0;52183
2; -263.5; 20-FEB-2012 21:23:22; Dark ; 39.5; 85; Kap Sco ; 2.41; 28000;occ; 79; 0;52183
3; 444.5; 20-FEB-2012 21:35:10; Dark ; 41.0; 10; Bet Cen ; 0.61; 28000;occ; 82; 0;52184

/nas3/ENVISAT/GOMOS/GOM_NL__0P/GOM_NL__0PNPDE20120220_230041_000009283112_00015_52184_6639.N1
1; -438.5; 20-FEB-2012 23:00:41; Dark ; 46.5; 167; 10Gam2Sgr ; 2.98; 4500;occ; 93; 0;52184
2; -262.8; 20-FEB-2012 23:03:37; Dark ; 40.0; 85; Kap Sco ; 2.41; 28000;occ; 80; 0;52184
3; 445.1; 20-FEB-2012 23:15:25; Dark ; 45.0; 10; Bet Cen ; 0.61; 28000;occ; 90; 0;52185

/nas3/ENVISAT/GOMOS/GOM_NL__0P/GOM_NL__0PNPDK20120220_081315_000000483112_00007_52176_5635.N1
1; 439.9; 20-FEB-2012 08:13:15; Dark ; 49.0; 10; Bet Cen ; 0.61; 28000;occ; 98; 0;52176

/nas3/ENVISAT/GOMOS/GOM_NL__0P/GOM_NL__0PNPDK20120220_095329_000000483112_00008_52177_5636.N1
1; 440.4; 20-FEB-2012 09:53:29; Dark ; 49.0; 10; Bet Cen ; 0.61; 28000;occ; 98; 0;52177

/nas3/ENVISAT/GOMOS/GOM_NL__0P/GOM_NL__0PNPDK20120220_113343_000000433112_00009_52178_5637.N1
1; 441.0; 20-FEB-2012 11:33:43; Dark ; 43.5; 10; Bet Cen ; 0.61; 28000;occ; 87; 0;52178

/nas3/ENVISAT/GOMOS/GOM_NL__0P/GOM_NL__0PNPDK20120220_131358_000000423112_00010_52179_5638.N1
1; 441.6; 20-FEB-2012 13:13:58; Dark ; 42.5; 10; Bet Cen ; 0.61; 28000;occ; 85; 0;52179

/nas3/ENVISAT/GOMOS/GOM_NL__0P/GOM_NL__0PNPDK20120220_144225_000007483112_00010_52179_5639.N1
1; -264.8; 20-FEB-2012 14:42:25; Dark ; 41.0; 85; Kap Sco ; 2.41; 28000;occ; 82; 0;52179
2; 442.3; 20-FEB-2012 14:54:12; Dark ; 41.5; 10; Bet Cen ; 0.61; 28000;occ; 83; 0;52180

/nas3/ENVISAT/GOMOS/GOM_NL__0P/GOM_NL__0PNPDK20120220_162239_000007523112_00011_52180_5640.N1
1; -265.2; 20-FEB-2012 16:22:39; Dark ; 41.5; 85; Kap Sco ; 2.41; 28000;occ; 83; 0;52180
2; 442.9; 20-FEB-2012 16:34:27; Dark ; 44.5; 10; Bet Cen ; 0.61; 28000;occ; 89; 0;52181

/nas3/ENVISAT/GOMOS/GOM_NL__0P/GOM_NL__0PNPDK20120220_175958_000009243112_00012_52181_5641.N1
1; -439.9; 20-FEB-2012 17:59:58; Dark ; 45.0; 167; 10Gam2Sgr ; 2.98; 4500;occ; 90; 0;52181
2; -264.6; 20-FEB-2012 18:02:54; Dark ; 41.5; 85; Kap Sco ; 2.41; 28000;occ; 83; 0;52181
3; 443.4; 20-FEB-2012 18:14:42; Dark ; 41.5; 10; Bet Cen ; 0.61; 28000;occ; 83; 0;52182

/nas3/ENVISAT/GOMOS/GOM_NL__0P/GOM_NL__0PNPDK20120220_194013_000009263112_00013_52182_5642.N1
1; -439.4; 20-FEB-2012 19:40:13; Dark ; 42.0; 167; 10Gam2Sgr ; 2.98; 4500;occ; 84; 0;52182
2; -264.1; 20-FEB-2012 19:43:08; Dark ; 40.5; 85; Kap Sco ; 2.41; 28000;occ; 81; 0;52182
3; 443.9; 20-FEB-2012 19:54:56; Dark ; 43.5; 10; Bet Cen ; 0.61; 28000;occ; 87; 0;52183

/nas3/ENVISAT/GOMOS/GOM_NL__0P/GOM_NL__0PNPDE20120221_004056_000009333112_00016_52185_6640.N1
1; -437.8; 21-FEB-2012 00:40:56; Dark ; 46.0; 167; 10Gam2Sgr ; 2.98; 4500;occ; 92; 0;52185
2; 445.6; 21-FEB-2012 00:55:39; Dark ; 50.0; 10; Bet Cen ; 0.61; 28000;occ; 100; 0;52186

/nas3/ENVISAT/GOMOS/GOM_NL__0P/GOM_NL__0PNPDE20120221_022406_000007503112_00017_52186_6641.N1
1; -261.5; 21-FEB-2012 02:24:06; Dark ; 41.5; 85; Kap Sco ; 2.41; 28000;occ; 83; 0;52186
2; 446.4; 21-FEB-2012 02:35:54; Dark ; 43.0; 10; Bet Cen ; 0.61; 28000;occ; 86; 0;52187

/nas3/ENVISAT/GOMOS/GOM_NL__0P/GOM_NL__0PNPDE20120221_040125_000009363112_00018_52187_6642.N1
1; -436.6; 21-FEB-2012 04:01:25; Dark ; 39.5; 167; 10Gam2Sgr ; 2.98; 4500;occ; 79; 0;52187
2; -260.9; 21-FEB-2012 04:04:21; Dark ; 41.5; 85; Kap Sco ; 2.41; 28000;occ; 83; 0;52187
3; 447.1; 21-FEB-2012 04:16:09; Dark ; 52.5; 10; Bet Cen ; 0.61; 28000;occ; 105; 0;52188

/nas3/ENVISAT/GOMOS/GOM_NL__0P/GOM_NL__0PNPDE20120221_054140_000009243112_00019_52188_6643.N1
1; -436.0; 21-FEB-2012 05:41:40; Dark ; 45.0; 167; 10Gam2Sgr ; 2.98; 4500;occ; 90; 0;52188
2; -260.1; 21-FEB-2012 05:44:35; Dark ; 41.5; 85; Kap Sco ; 2.41; 28000;occ; 83; 0;52188
3; 447.8; 21-FEB-2012 05:56:23; Dark ; 40.5; 10; Bet Cen ; 0.61; 28000;occ; 81; 0;52189

/nas3/ENVISAT/GOMOS/GOM_NL__0P/GOM_NL__0PNPDE20120221_211955_000000353112_00029_52198_6644.N1
1; 1734.2; 21-FEB-2012 21:19:55; Dark ; 35.5; 48; 30Alp Hya ; 1.98; 4100;occ; 71; 0;52198

/nas3/ENVISAT/GOMOS/GOM_NL__0P/GOM_NL__0PNPDE20120221_222701_000020293112_00029_52198_6645.N1
1; -253.8; 21-FEB-2012 22:27:01; Dark ; 26.0; 85; Kap Sco ; 2.41; 28000;occ; 52; 0;52198
2; 453.7; 21-FEB-2012 22:38:48; Dark ; 44.5; 10; Bet Cen ; 0.61; 28000;occ; 89; 0;52199
3; 1734.3; 21-FEB-2012 23:00:09; Dark ; 41.5; 48; 30Alp Hya ; 1.98; 4100;occ; 83; 0;52199

/nas3/ENVISAT/GOMOS/GOM_NL__0P/GOM_NL__0PNPDK20120221_072154_000009313112_00020_52189_5643.N1
1; -435.1; 21-FEB-2012 07:21:54; Dark ; 45.5; 167; 10Gam2Sgr ; 2.98; 4500;occ; 91; 0;52189
2; -259.5; 21-FEB-2012 07:24:50; Dark ; 44.5; 85; Kap Sco ; 2.41; 28000;occ; 89; 0;52189
3; 448.4; 21-FEB-2012 07:36:38; Dark ; 48.0; 10; Bet Cen ; 0.61; 28000;occ; 96; 0;52190

/nas3/ENVISAT/GOMOS/GOM_NL__0P/GOM_NL__0PNPDK20120221_090209_000009323112_00021_52190_5644.N1
1; -434.6; 21-FEB-2012 09:02:09; Dark ; 43.0; 167; 10Gam2Sgr ; 2.98; 4500;occ; 86; 0;52190
2; -258.8; 21-FEB-2012 09:05:04; Dark ; 42.0; 85; Kap Sco ; 2.41; 28000;occ; 84; 0;52190


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3; 449.0; 21-FEB-2012 09:16:52; Dark ; 48.5; 10; Bet Cen ; 0.61; 28000;occ; 97; 0;52191
/nas3/ENVISAT/GOMOS/GOM_NL__0P/GOM_NL__0PNPDK20120221_104223_000009263112_00022_52191_5645.N1
1; -433.9; 21-FEB-2012 10:42:23; Dark ; 43.5; 167; 10Gam2Sgr ; 2.98; 4500;occ; 87; 0;52191
2; -258.2; 21-FEB-2012 10:45:19; Dark ; 44.0; 85; Kap Sco ; 2.41; 28000;occ; 88; 0;52191
3; 449.6; 21-FEB-2012 10:57:07; Dark ; 43.0; 10; Bet Cen ; 0.61; 28000;occ; 86; 0;52192
/nas3/ENVISAT/GOMOS/GOM_NL__0P/GOM_NL__0PNPDK20120221_122238_000009273112_00023_52192_5646.N1
1; -433.4; 21-FEB-2012 12:22:38; Dark ; 45.5; 167; 10Gam2Sgr ; 2.98; 4500;occ; 91; 0;52192
2; -257.5; 21-FEB-2012 12:25:33; Dark ; 41.0; 85; Kap Sco ; 2.41; 28000;occ; 82; 0;52192
3; 450.2; 21-FEB-2012 12:37:21; Dark ; 44.0; 10; Bet Cen ; 0.61; 28000;occ; 88; 0;52193
/nas3/ENVISAT/GOMOS/GOM_NL__0P/GOM_NL__0PNPDK20120221_140252_000009283112_00024_52193_5647.N1
1; -432.9; 21-FEB-2012 14:02:52; Dark ; 43.5; 167; 10Gam2Sgr ; 2.98; 4500;occ; 87; 0;52193
2; -256.9; 21-FEB-2012 14:05:48; Dark ; 40.0; 85; Kap Sco ; 2.41; 28000;occ; 80; 0;52193
3; 450.7; 21-FEB-2012 14:17:36; Dark ; 45.0; 10; Bet Cen ; 0.61; 28000;occ; 90; 0;52194
/nas3/ENVISAT/GOMOS/GOM_NL__0P/GOM_NL__0PNPDK20120221_154307_000009363112_00025_52194_5648.N1
1; -432.1; 21-FEB-2012 15:43:07; Dark ; 40.0; 167; 10Gam2Sgr ; 2.98; 4500;occ; 80; 0;52194
2; -256.2; 21-FEB-2012 15:46:03; Dark ; 41.0; 85; Kap Sco ; 2.41; 28000;occ; 82; 0;52194
3; 451.4; 21-FEB-2012 15:57:50; Dark ; 53.0; 10; Bet Cen ; 0.61; 28000;occ; 106; 0;52195
/nas3/ENVISAT/GOMOS/GOM_NL__0P/GOM_NL__0PNPDK20120221_172321_000009253112_00026_52195_5649.N1
1; -431.5; 21-FEB-2012 17:23:21; Dark ; 34.0; 167; 10Gam2Sgr ; 2.98; 4500;occ; 68; 0;52195
2; -255.6; 21-FEB-2012 17:26:17; Dark ; 40.0; 85; Kap Sco ; 2.41; 28000;occ; 80; 0;52195
3; 451.9; 21-FEB-2012 17:38:05; Dark ; 42.5; 10; Bet Cen ; 0.61; 28000;occ; 85; 0;52196
/nas3/ENVISAT/GOMOS/GOM_NL__0P/GOM_NL__0PNPDK20120221_190336_000009243112_00027_52196_5650.N1
1; -431.1; 21-FEB-2012 19:03:36; Dark ; 29.0; 167; 10Gam2Sgr ; 2.98; 4500;occ; 58; 0;52196
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
/nas3/ENVISAT/GOMOS/GOM_NL__0P/GOM_NL__0PNPDK20120221_193941_000047753112_00028_52197_5651.N1
1; 1734.2; 21-FEB-2012 19:39:41; Dark ; 31.0; 48; 30Alp Hya ; 1.98; 4100;occ; 62; 0;52197
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
/nas3/ENVISAT/GOMOS/GOM_NL__0P/GOM_NL__0PNPDE20120222_001903_000013263112_00031_52200_6646.N1
1; 454.1; 22-FEB-2012 00:19:03; Dark ; 50.5; 10; Bet Cen ; 0.61; 28000;occ; 101; 0;52200
2; 1734.3; 22-FEB-2012 00:40:23; Dark ; 46.5; 48; 30Alp Hya ; 1.98; 4100;occ; 93; 0;52200
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1; 454.9; 22-FEB-2012 01:59:17; Dark ; 47.0; 10; Bet Cen ; 0.61; 28000;occ; 94; 0;52201
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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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3; 684.3; 23-FEB-2012 01:26:21; Dark ; 30.0; 26; Gam Cru ; 1.62; 2900;occ; 60; 0;52215
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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
6; 6714.0; 25-FEB-2012 03:33:35; Dark ; 57.5; 26; Gam Cru ; 1.62; 2900;occ; 115; 0;52245
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2; 481.7; 25-FEB-2012 05:10:11; Dark ; 41.0; 10; Bet Cen ; 0.61; 28000;occ; 82; 0;52246
3; 700.7; 25-FEB-2012 05:13:50; Dark ; 48.0; 26; Gam Cru ; 1.62; 2900;occ; 96; 0;52246

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/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