

GOMOS Daily Report 25-JAN-2012

Level 0 and Level 1 products

SUMMARY

[1. General Info](#)

[2. Summary of products arrived in PCF \(Product Control Facility\)](#)

[2.1 Level 0: products arrived in PCF during current month \(see template here\)](#)

[2.2 Level 0: plot of mission plan versus production during reporting period](#)

[2.3 Level 0: summary of missing occultations with respect to the plan](#)

[2.4 Level 1: products arrived in PCF during reporting period](#)

[3. Plot of Spectrometers and Photometers temperatures](#)

[4. Dark Charge monitoring](#)

[4.1 Products that did not use the Dark Sky Area observation for DC computation](#)

[4.2 Plot of Dark Charge](#)

[5. Demodulation correction and quality product information monitoring](#)

[5.1 Percentage of products with some flags set](#)

[5.2 Plot of quality information per product \(time dependant\)](#)

[5.3 Plot of quality information per product \(world map\)](#)

[6. Star tangent altitude lost](#)

[6.1 Statistics on star tangent altitude lost](#)

[6.2 Plot of star tangent altitude lost: DARK products](#)

[6.3 Plot of star tangent altitude lost: BRIGHT products](#)

[6.3 Plot of star tangent altitude lost: TWILIGHT products](#)

[7. Star Acquisition and Tracking Unit \(SATU\)](#)

[7.1 SATU plots \(dark limb\): 'X' and 'Y' axis](#)

[7.2 SATU Noise Equivalent Angle statistics](#)

[7.2.1 SATU NEA Statistics \(table\)](#)

[7.2.2 Daily SATU NEA STD \(dark limb\) - trend since 1st April 2006](#)

[8. Auxiliary Data Files used for the production reported in section 2.4](#)

[Level 2 products](#)

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

Item	Value
Time of report generation	27JAN2012 13:49:30
Data source version	GOMOS/6.01
Start time of products	25JAN2012 10:56:57
Stop time of products	25JAN2012 23:58:32
Store outputs in DB	Yes
Nb of level 1b prods	16
Nb of prods with errors	0

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

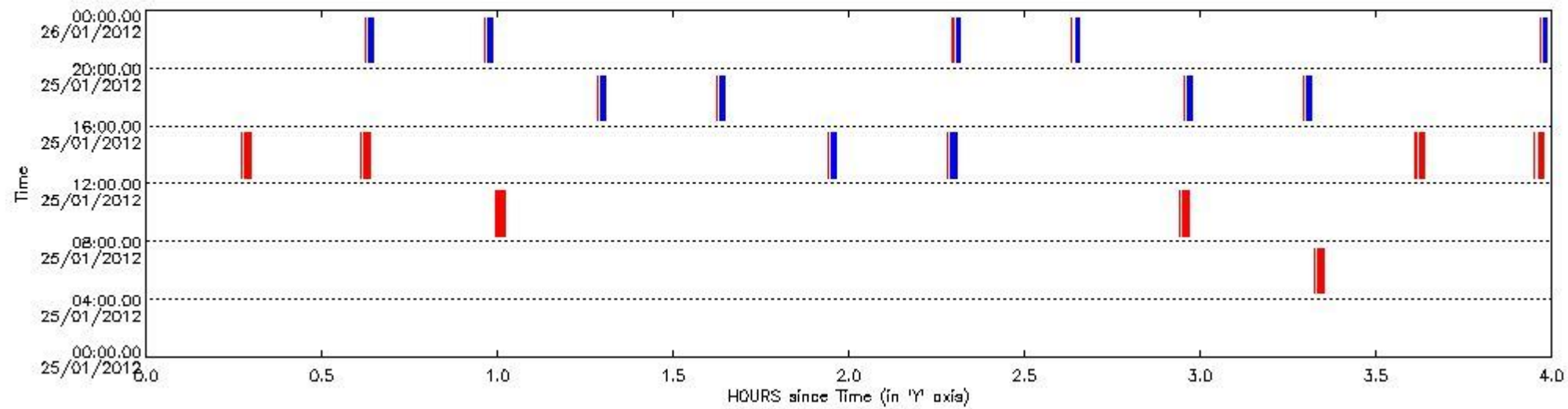
2.1 Level 0 products arrived in PCF (see template [here](#))

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
25-JAN-2012 07:19:31	DSA1027	0	51815
25-JAN-2012 07:20:01	DSA1027	0	51815
25-JAN-2012 08:59:45	DSA1027	0	51816
25-JAN-2012 09:00:15	DSA1027	0	51816
25-JAN-2012 10:56:21	LamVel	0	51817
25-JAN-2012 10:56:57	LamVel	65	51817
25-JAN-2012 12:16:14	GamLup	0	51818
25-JAN-2012 12:16:50	GamLup	131	51818
25-JAN-2012 12:36:35	LamVel	0	51818
25-JAN-2012 12:37:11	LamVel	65	51818
25-JAN-2012 13:56:29	GamLup	0	51819
25-JAN-2012 14:16:49	LamVel	0	51819
25-JAN-2012 15:36:43	GamLup	0	51820
25-JAN-2012 15:37:20	GamLup	131	51820
25-JAN-2012 15:57:04	LamVel	0	51820

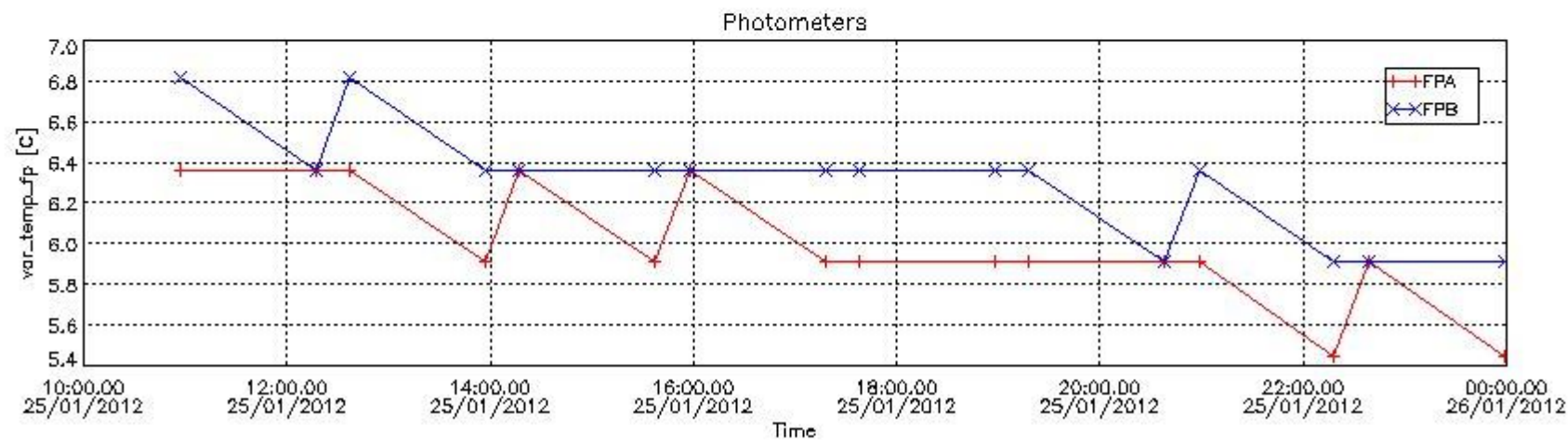
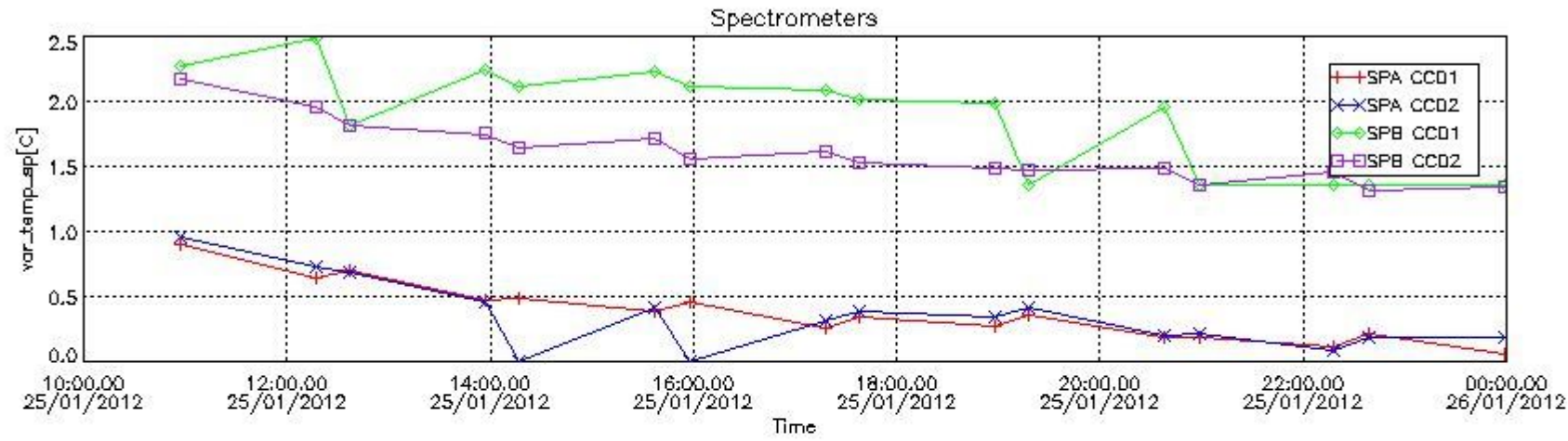
25-JAN-2012 15:57:40	LamVel	65	51820
25-JAN-2012 17:16:58	GamLup	0	51821
25-JAN-2012 17:37:18	LamVel	0	51821
25-JAN-2012 18:57:13	GamLup	0	51822
25-JAN-2012 19:17:32	LamVel	0	51822
25-JAN-2012 20:37:27	GamLup	0	51823
25-JAN-2012 20:57:46	LamVel	0	51823
25-JAN-2012 22:17:42	GamLup	0	51824
25-JAN-2012 22:38:01	LamVel	0	51824
25-JAN-2012 23:57:57	GamLup	0	51825

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_1PNPDK20120125_105657_000000503111_00066_51804_4438.N1	25-JAN-2012 10:56:57	Dark	49.500	65	Lam Vel	2.2040	4400.0	99	51804	No
2	GOM_TRA_1PNPDK20120125_121650_000000433111_00066_51804_4478.N1	25-JAN-2012 12:16:50	Dark	42.500	131	Gam Lup	2.8000	26000.	85	51804	No
3	GOM_TRA_1PNPDK20120125_123711_000000493111_00067_51805_4479.N1	25-JAN-2012 12:37:11	Dark	49.000	65	Lam Vel	2.2040	4400.0	98	51805	No
4	GOM_TRA_1PNPDK20120125_135705_000000413111_00067_51805_4505.N1	25-JAN-2012 13:57:05	Dark	40.500	131	Gam Lup	2.8000	26000.	81	51805	No
5	GOM_TRA_1PNPDK20120125_141725_000000513111_00068_51806_4506.N1	25-JAN-2012 14:17:25	Dark	51.000	65	Lam Vel	2.2040	4400.0	102	51806	No
6	GOM_TRA_1PNPDK20120125_153719_000000433111_00068_51806_4546.N1	25-JAN-2012 15:37:19	Dark	42.500	131	Gam Lup	2.8000	26000.	85	51806	No
7	GOM_TRA_1PNPDK20120125_155740_000000463111_00069_51807_4547.N1	25-JAN-2012 15:57:40	Dark	46.000	65	Lam Vel	2.2040	4400.0	92	51807	No
8	GOM_TRA_1PNPDK20120125_171734_000000423111_00069_51807_4566.N1	25-JAN-2012 17:17:34	Dark	41.500	131	Gam Lup	2.8000	26000.	83	51807	No
9	GOM_TRA_1PNPDK20120125_173754_000000523111_00070_51808_4605.N1	25-JAN-2012 17:37:54	Dark	52.000	65	Lam Vel	2.2040	4400.0	104	51808	No
10	GOM_TRA_1PNPDK20120125_185749_000000413111_00070_51808_4606.N1	25-JAN-2012 18:57:49	Dark	41.000	131	Gam Lup	2.8000	26000.	82	51808	No
11	GOM_TRA_1PNPDK20120125_191808_000000433111_00071_51809_4652.N1	25-JAN-2012 19:18:08	Dark	42.500	65	Lam Vel	2.2040	4400.0	85	51809	No
12	GOM_TRA_1PNPDK20120125_203803_000000413111_00071_51809_4653.N1	25-JAN-2012 20:38:03	Dark	40.500	131	Gam Lup	2.8000	26000.	81	51809	No
13	GOM_TRA_1PNPDE20120125_205823_000000493111_00072_51810_7345.N1	25-JAN-2012 20:58:23	Dark	48.500	65	Lam Vel	2.2040	4400.0	97	51810	No
14	GOM_TRA_1PNPDE20120125_221818_000000413111_00072_51810_7379.N1	25-JAN-2012 22:18:18	Dark	41.000	131	Gam Lup	2.8000	26000.	82	51810	No
15	GOM_TRA_1PNPDE20120125_223837_000000483111_00073_51811_7380.N1	25-JAN-2012 22:38:37	Dark	47.500	65	Lam Vel	2.2040	4400.0	95	51811	No
16	GOM_TRA_1PNPDE20120125_235832_000000413111_00073_51811_7411.N1	25-JAN-2012 23:58:32	Dark	41.000	131	Gam Lup	2.8000	26000.	82	51811	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).

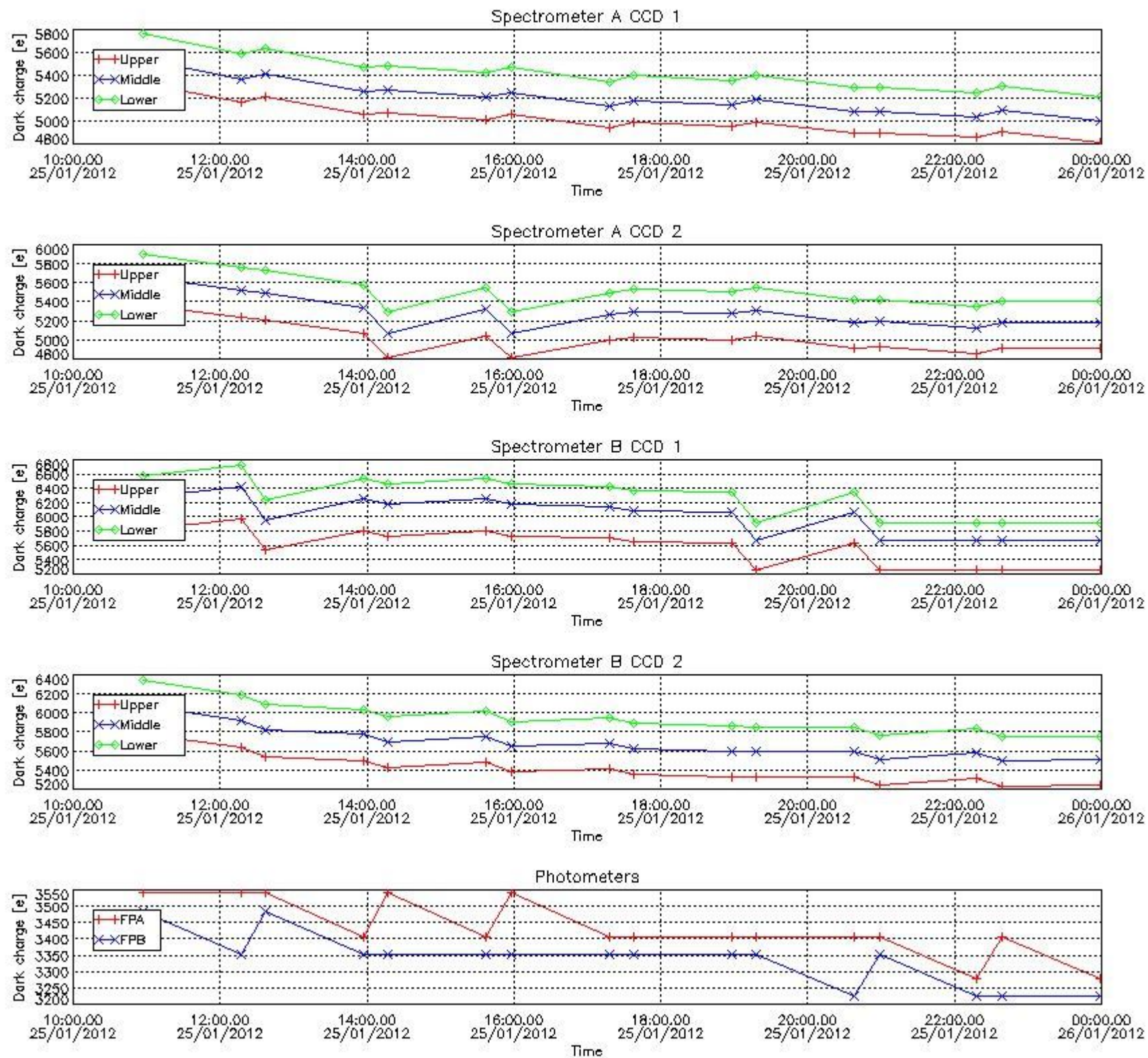
In this section a list of products that did not use the Dark Sky Area (DSA) observation for the DC computation is given. It is also provided the mean DC plot per product for dark limb products with no error flag set.

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

Product name	DC information
GOM_TRA_1PNPDK20120125_105657_000000503111_00066_51804_4438.N1	DC map used
GOM_TRA_1PNPDK20120125_121650_000000433111_00066_51804_4478.N1	DC map used
GOM_TRA_1PNPDK20120125_123711_000000493111_00067_51805_4479.N1	DC map used
GOM_TRA_1PNPDK20120125_135705_000000413111_00067_51805_4505.N1	DC map used
GOM_TRA_1PNPDK20120125_141725_000000513111_00068_51806_4506.N1	DC map used
GOM_TRA_1PNPDK20120125_153719_000000433111_00068_51806_4546.N1	DC map used
GOM_TRA_1PNPDK20120125_155740_000000463111_00069_51807_4547.N1	DC map used
GOM_TRA_1PNPDK20120125_171734_000000423111_00069_51807_4566.N1	DC map used
GOM_TRA_1PNPDK20120125_173754_000000523111_00070_51808_4605.N1	DC map used
GOM_TRA_1PNPDK20120125_185749_000000413111_00070_51808_4606.N1	DC map used
GOM_TRA_1PNPDK20120125_191808_000000433111_00071_51809_4652.N1	DC map used
GOM_TRA_1PNPDK20120125_203803_000000413111_00071_51809_4653.N1	DC map used
GOM_TRA_1PNPDE20120125_205823_000000493111_00072_51810_7345.N1	DC map used
GOM_TRA_1PNPDE20120125_221818_000000413111_00072_51810_7379.N1	DC map used

GOM_TRA_1PNPDE20120125_223837_000000483111_00073_51811_7380.N1	DC map used
GOM_TRA_1PNPDE20120125_235832_000000413111_00073_51811_7411.N1	DC map used

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



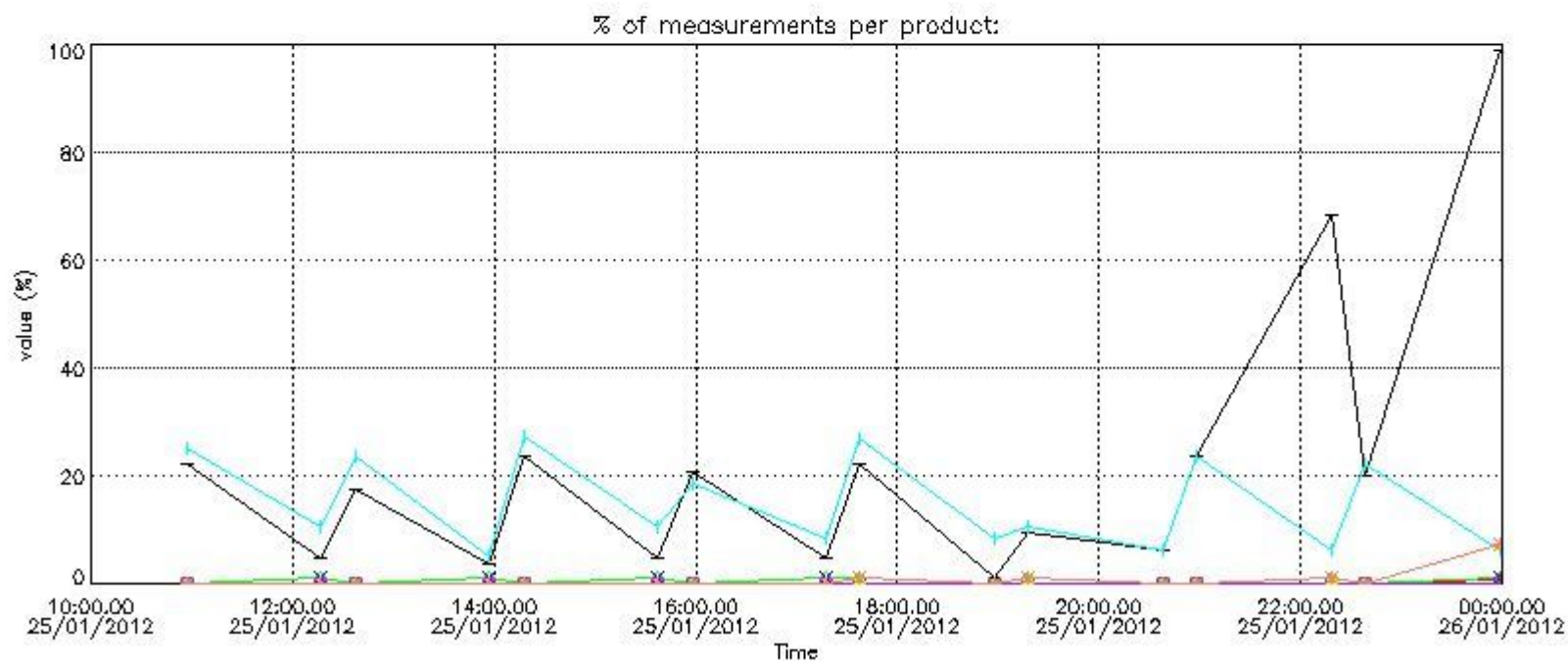
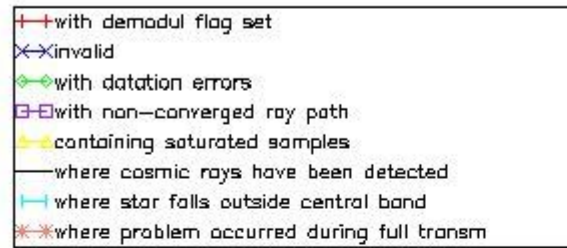
5. Demodulation flag and quality information monitoring

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.

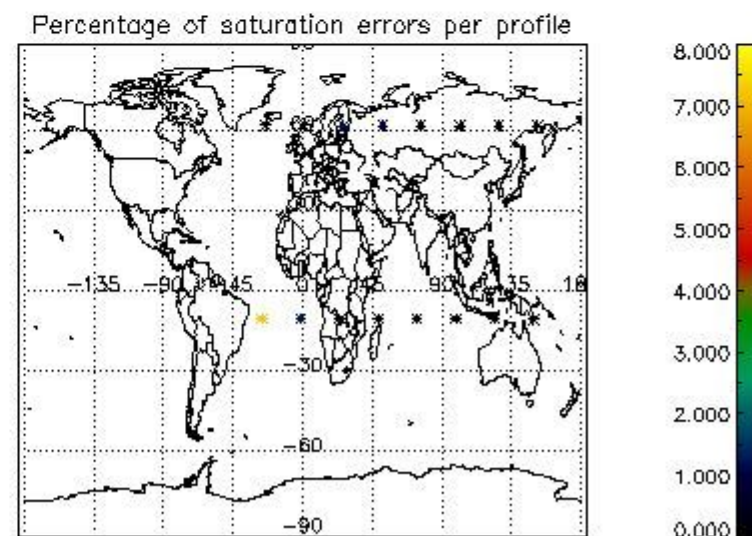
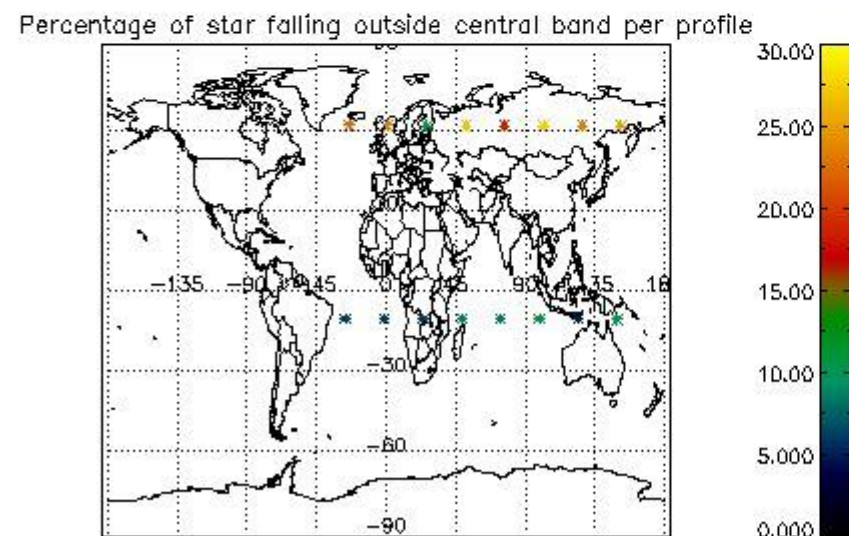
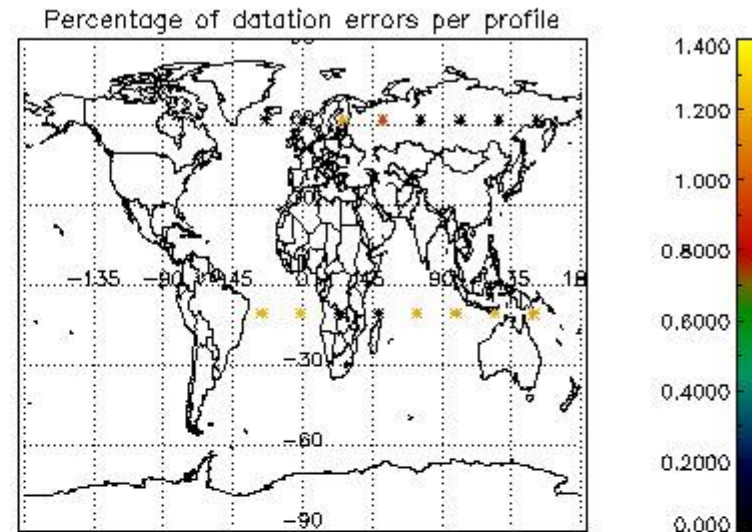
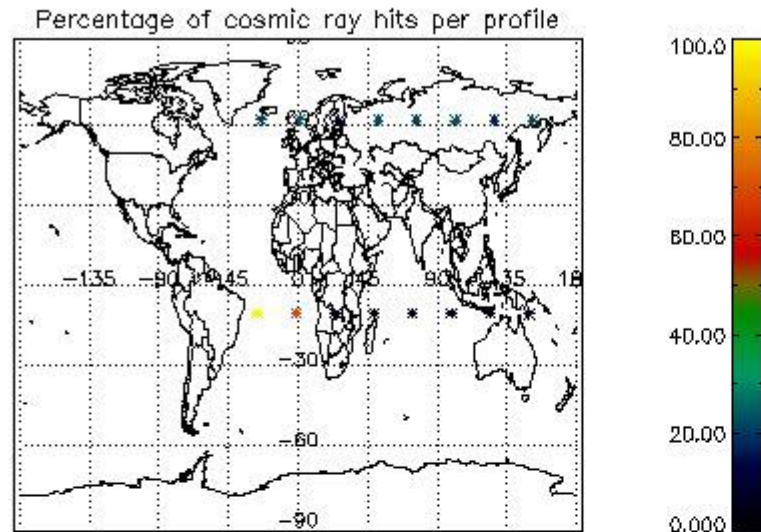
5.1 Percentage of products during reporting period with:

At least one measurement with demodulation flag set:	81.2500 %
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)



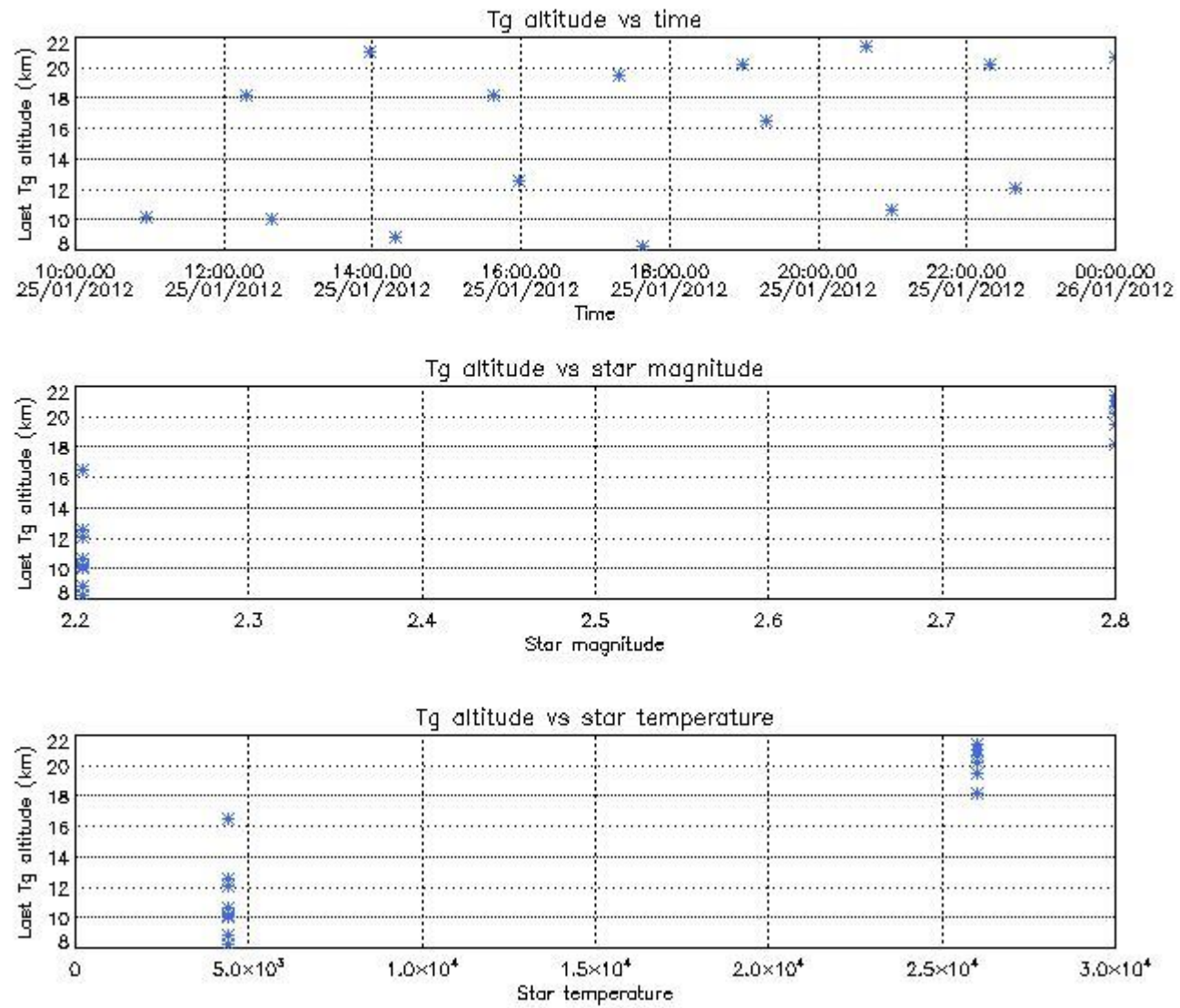
6. Statistics and plot of tangent altitude of the last measurement (DARK & BRIGHT products without errors)

6.1 Statistics on tangent altitude lost:

Statistics	DARK	BRIGHT	TWILIGHT
Mean:	15.525	NaN	NaN
St. deviation:	4.9518	NaN	NaN
Maximum:	21.344	NaN	NaN
Minimum:	8.1922	NaN	NaN
Number of data:	16.000	NaN	NaN

6.2 Plot for DARK limb products

Tangent altitude at which the star is lost



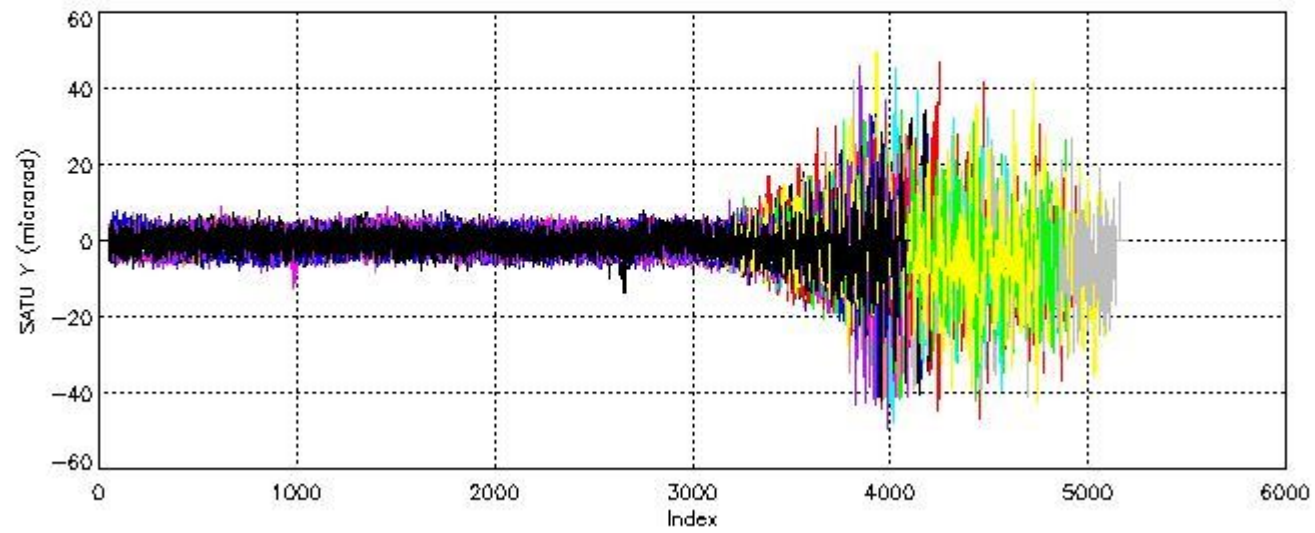
7. Star Acquisition and Tracking Unit (SATU)

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)

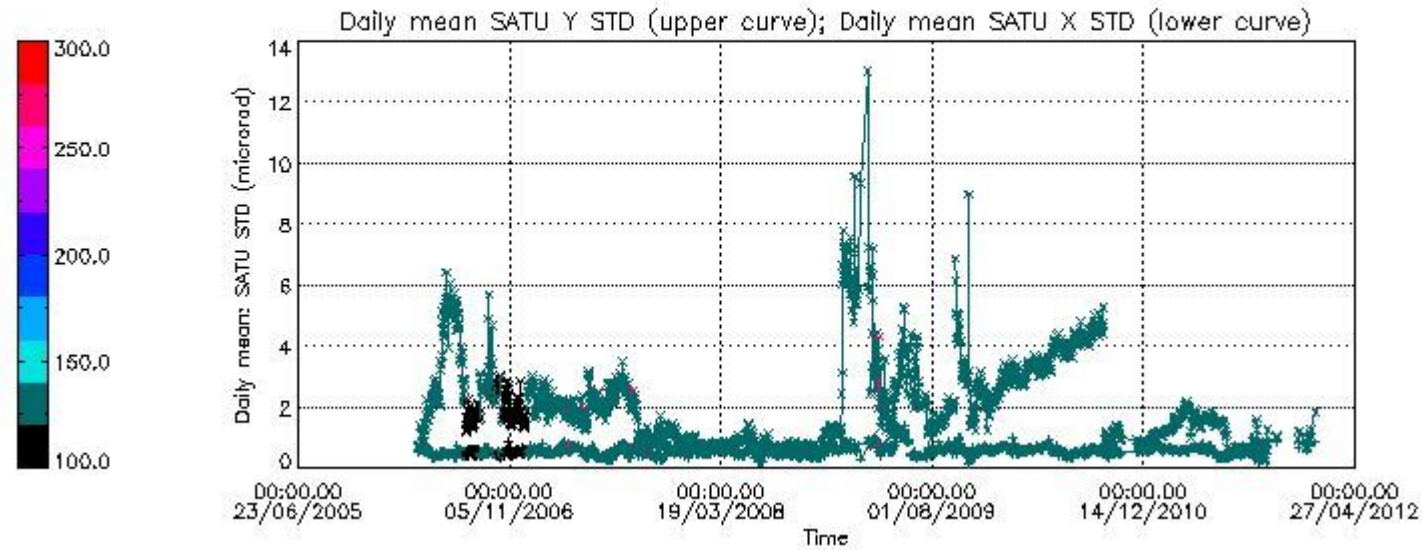
Statistics	SATU X (D)	SATU Y (D)	SATU X (B)	SATU Y (B)
Mean:	0.18442	-0.18865	NaN	NaN
St. deviation:	0.82937	1.8410	NaN	NaN
Maximum:	5.7000	9.1000	NaN	NaN
Minimum:	-5.3000	-12.700	NaN	NaN
Number of data:	15600.	15600.	NaN	NaN
90Percentile:	1.4000	2.6000	NaN	NaN

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

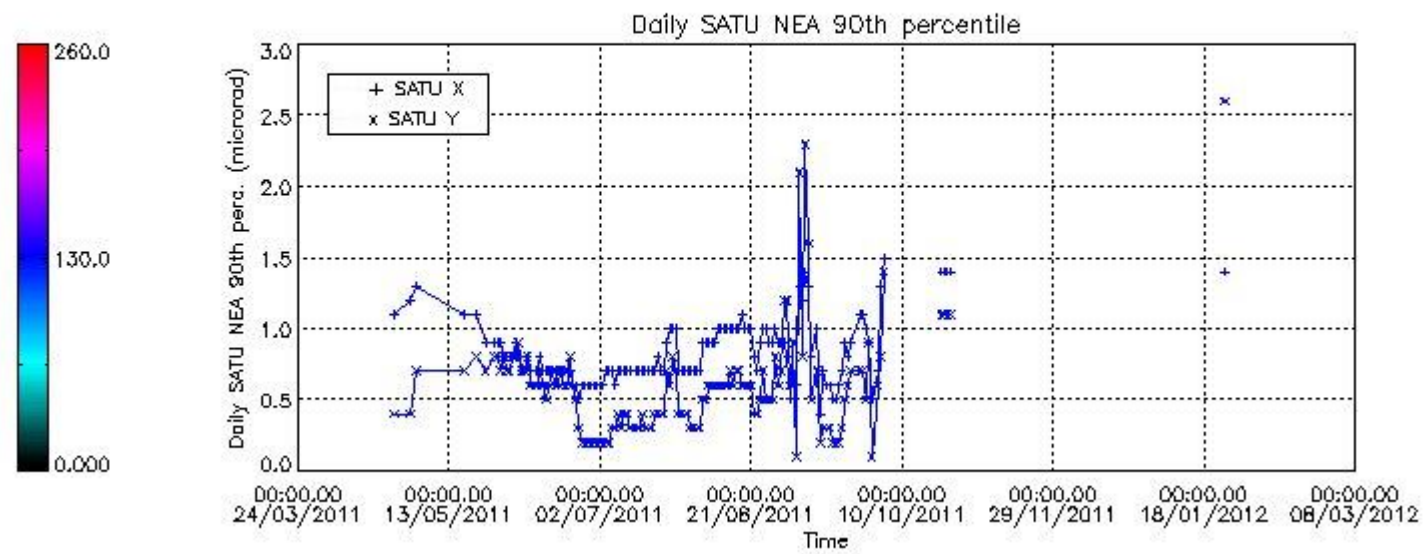
The long term trend of the SATU 'X' and 'Y' standard deviations should be constant during the whole mission.

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

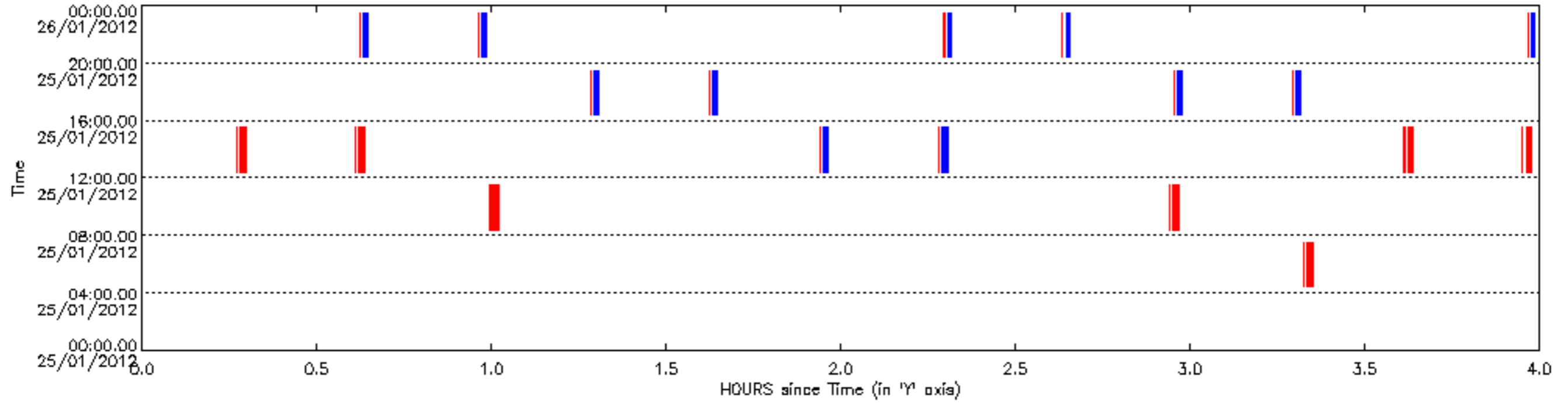


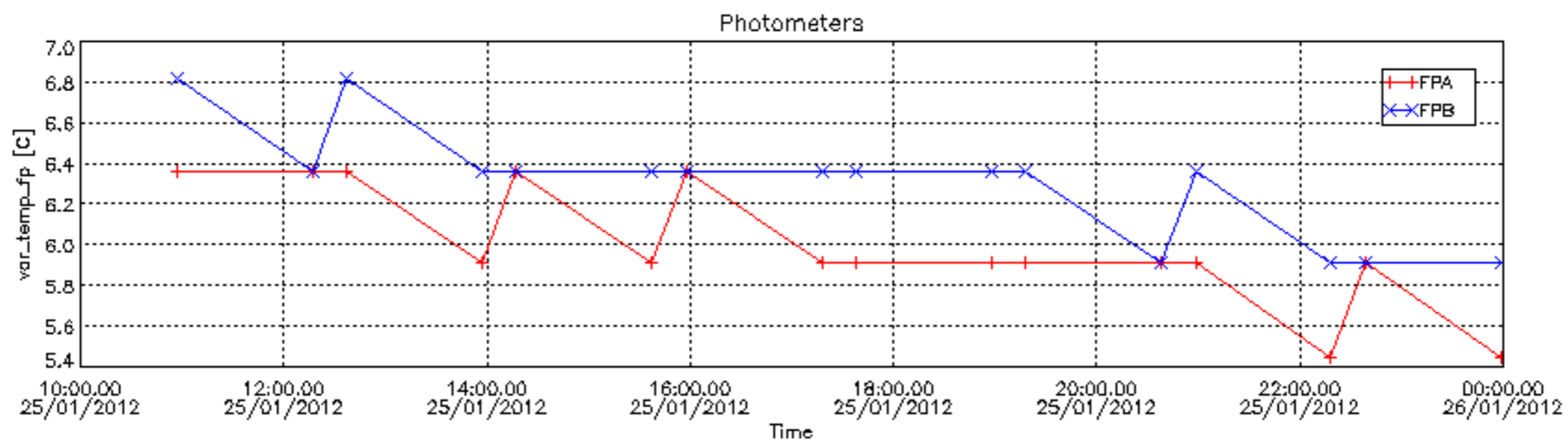
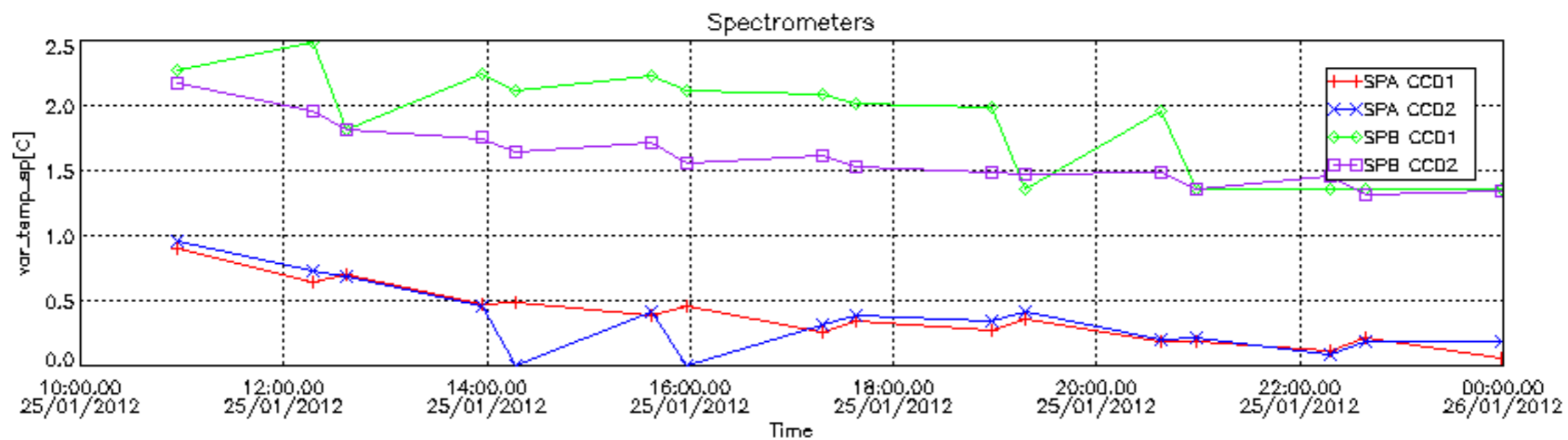
8. Auxiliary Data Files used for the production reported in section 2.4

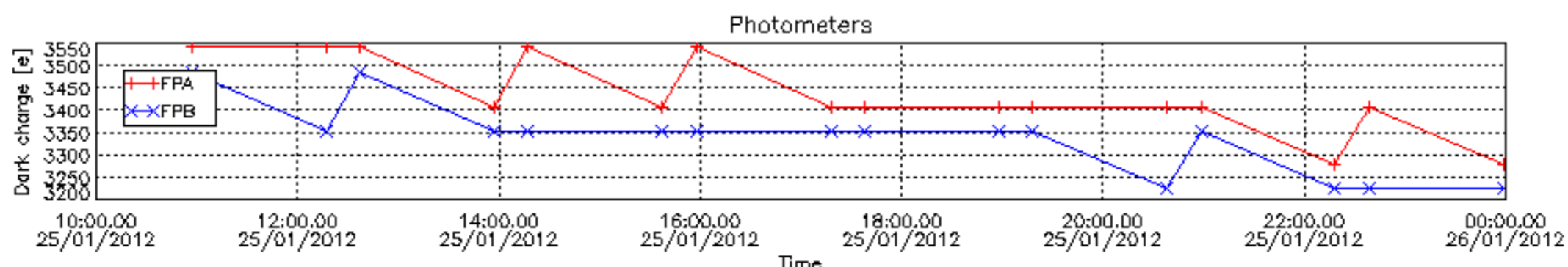
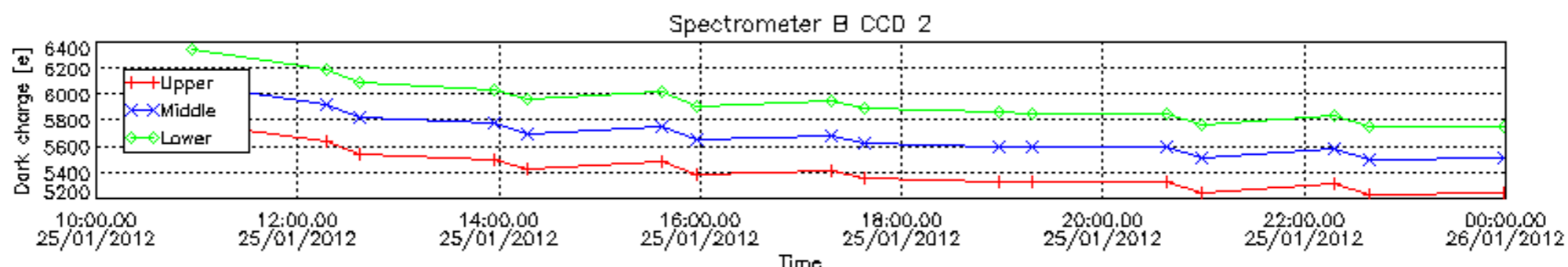
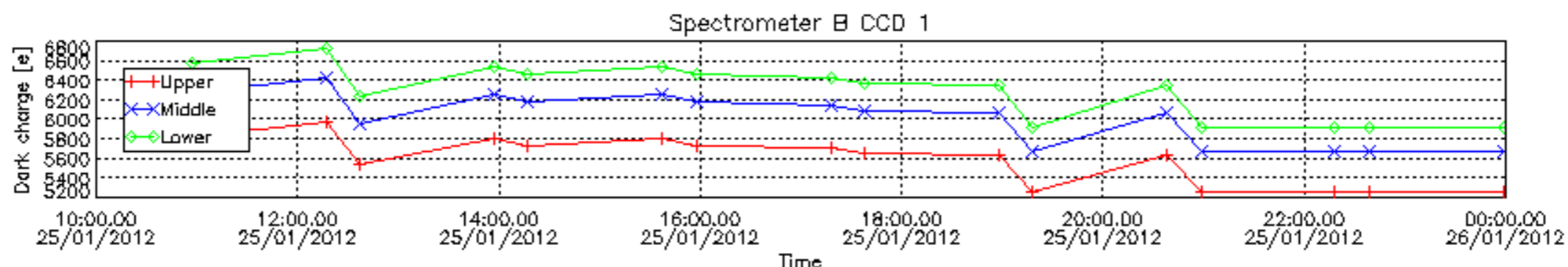
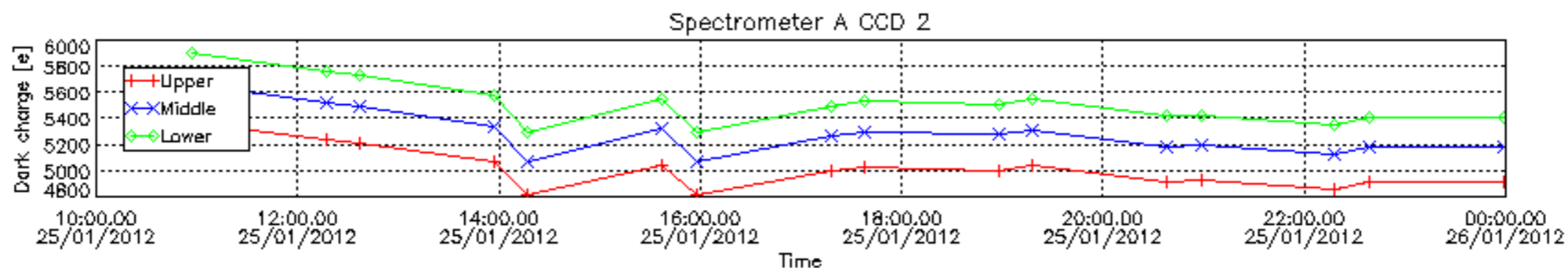
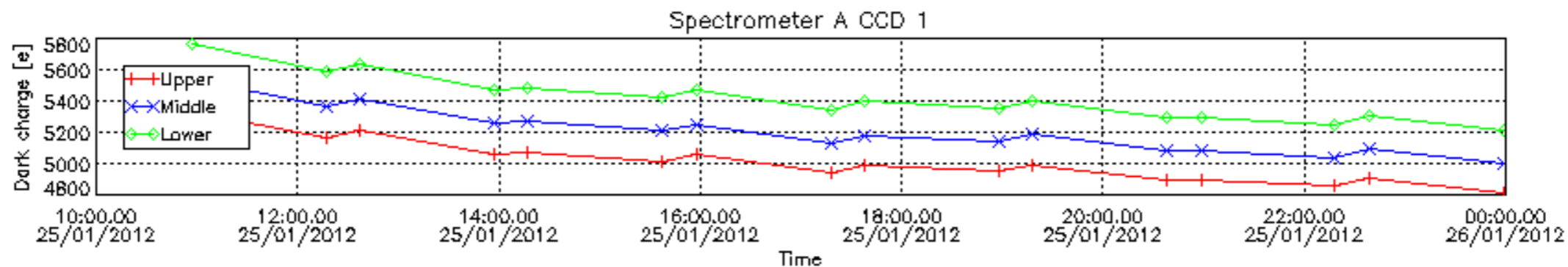
The number reported in the third column indicates since which file (see list in section 2.4) the corresponding auxiliary file has been used. The fourth column is the date of those product files.

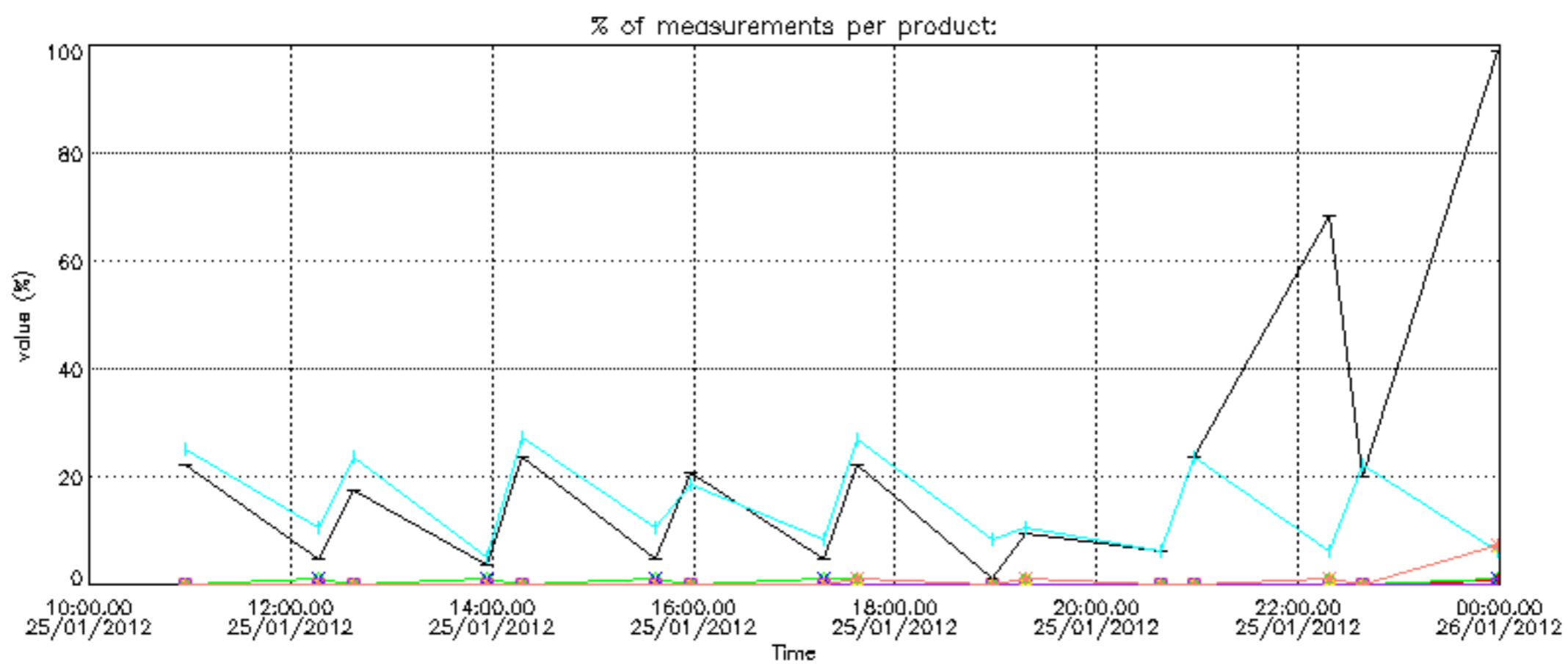
Type	Auxiliary Filename	Used since product	Used since product date
INST_PHYS_CHARACTERISTICS	GOM_INS_AXVIEC20111213_163131_20111215_000000_20500101_000000	1	25-JAN-2012 10:56:57
CALIBRATION_DATABASE	GOM_CAL_AXVIEC201201113_084220_20120102_000000_20500101_000000	1	25-JAN-2012 10:56:57
LEVEL-1B_PROC_CONFIG	GOM_PR1_AXVIEC20110513_081743_20020301_000000_20500101_000000	1	25-JAN-2012 10:56:57
STAR_CATALOGUE	GOM_CAT_AXVIEC20020121_161009_20020101_000000_20200101_000000	1	25-JAN-2012 10:56:57
STELLAR_SPECTRA_DATABANK	GOM_STS_AXVIEC20091111_151504_20020101_160000_20500101_000000	1	25-JAN-2012 10:56:57
ECMWF_FILE	AUX_ECF_AXNECM20120125_062115_20120125_090000_20120125_210000	1	25-JAN-2012 10:56:57
ECMWF_FILE	AUX_ECF_AXNECM20120125_062116_20120125_150000_20120126_030000	6	25-JAN-2012 15:37:19

ECMWF_FILE	AUX_ECA_AXNECM20120125_175938_20120125_090000_20120125_210000	9	25-JAN-2012 17:37:54
ECMWF_FILE	AUX_ECF_AXNECM20120125_062116_20120125_210000_20120126_090000	14	25-JAN-2012 22:18:18
OPTIONAL_ECMWF_FILE	MISSING	1	25-JAN-2012 10:56:57
ORBIT_DATA_FILE	AUX_FPO_AXVPDS20120124_232114_20120124_193730_20120203_201054	1	25-JAN-2012 10:56:57

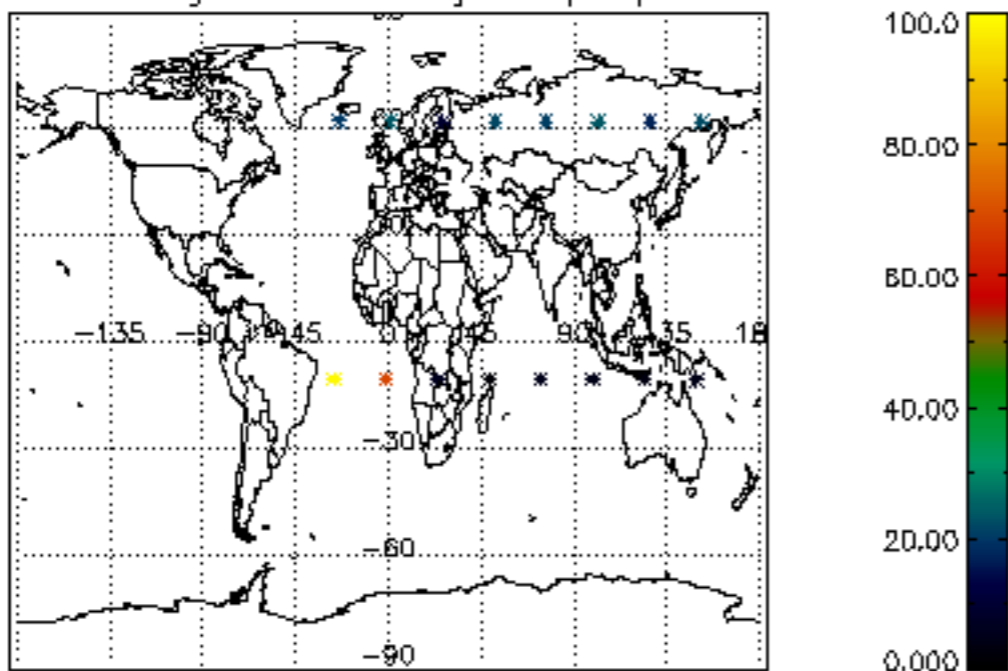




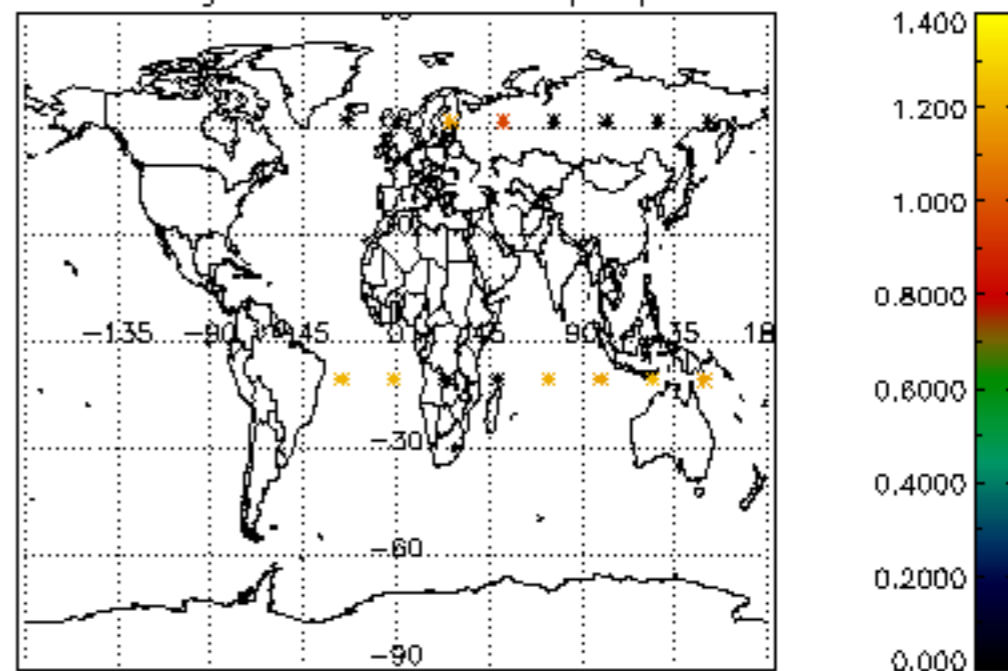




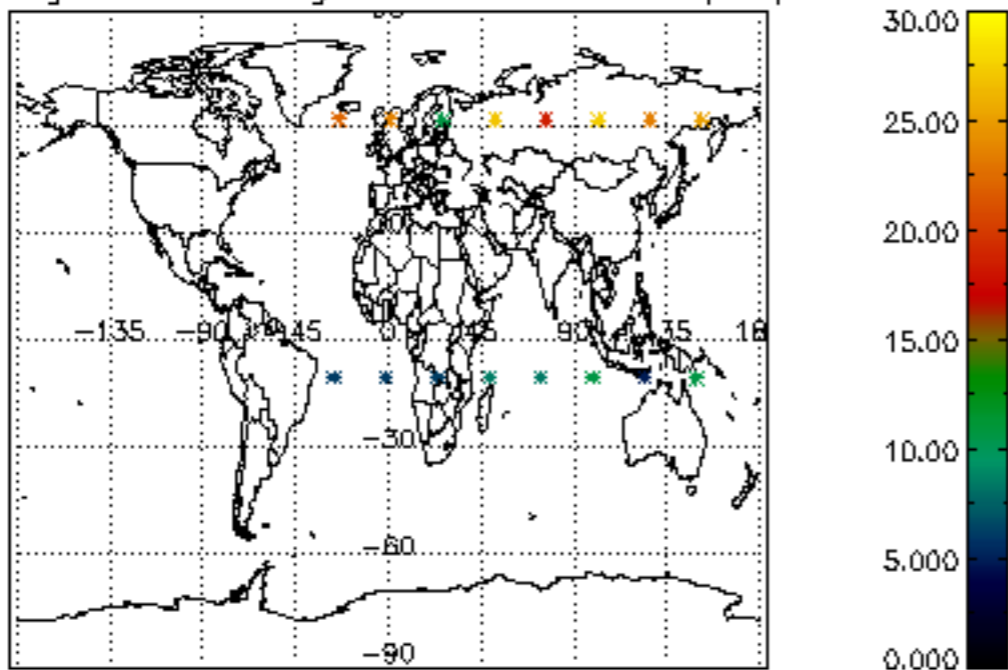
Percentage of cosmic ray hits per profile



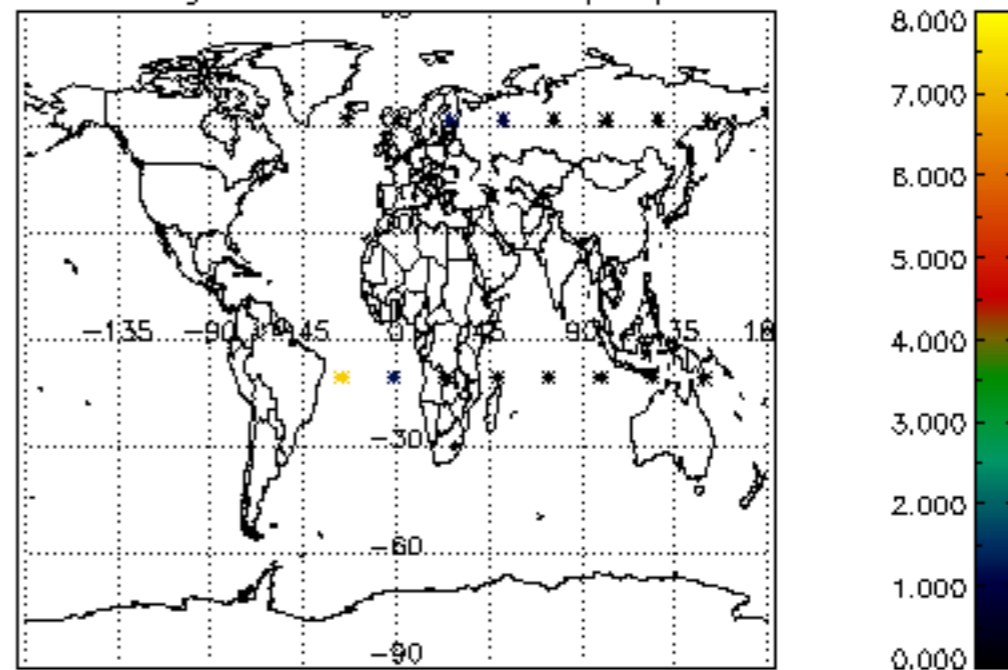
Percentage of datation errors per profile



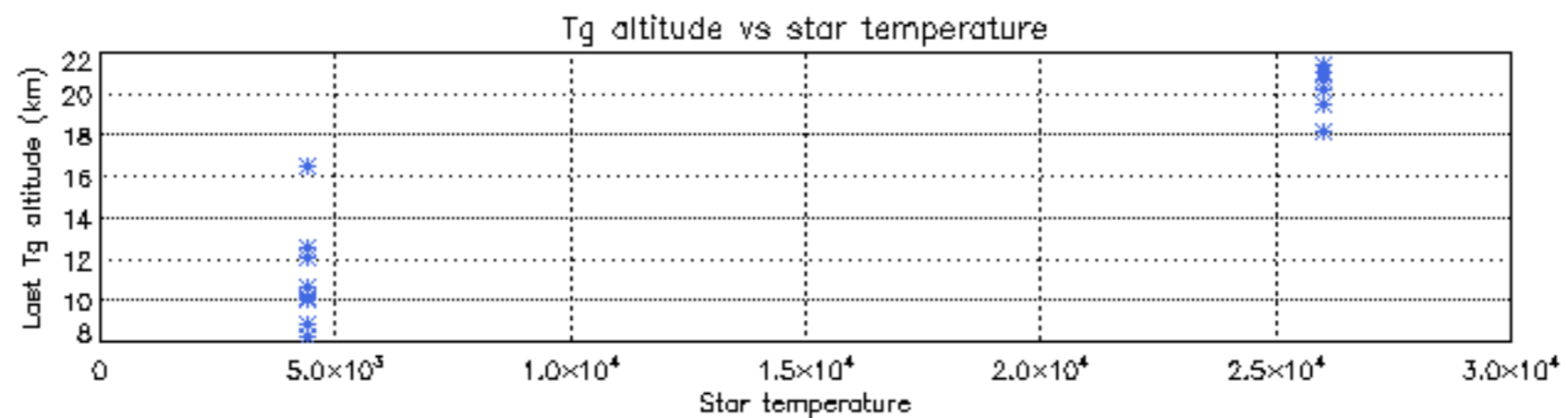
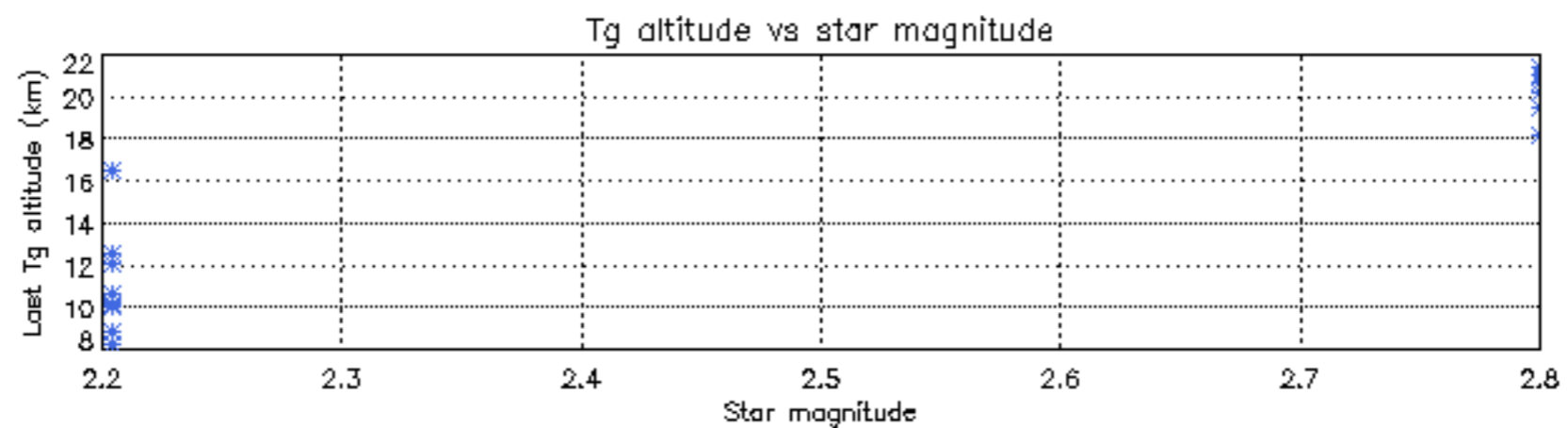
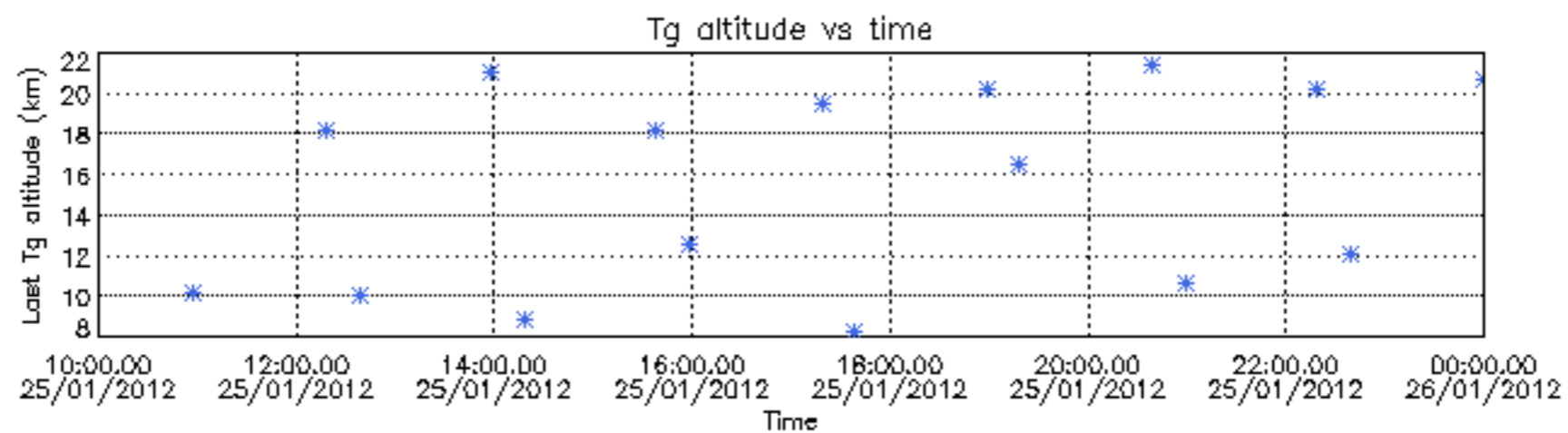
Percentage of star falling outside central band per profile

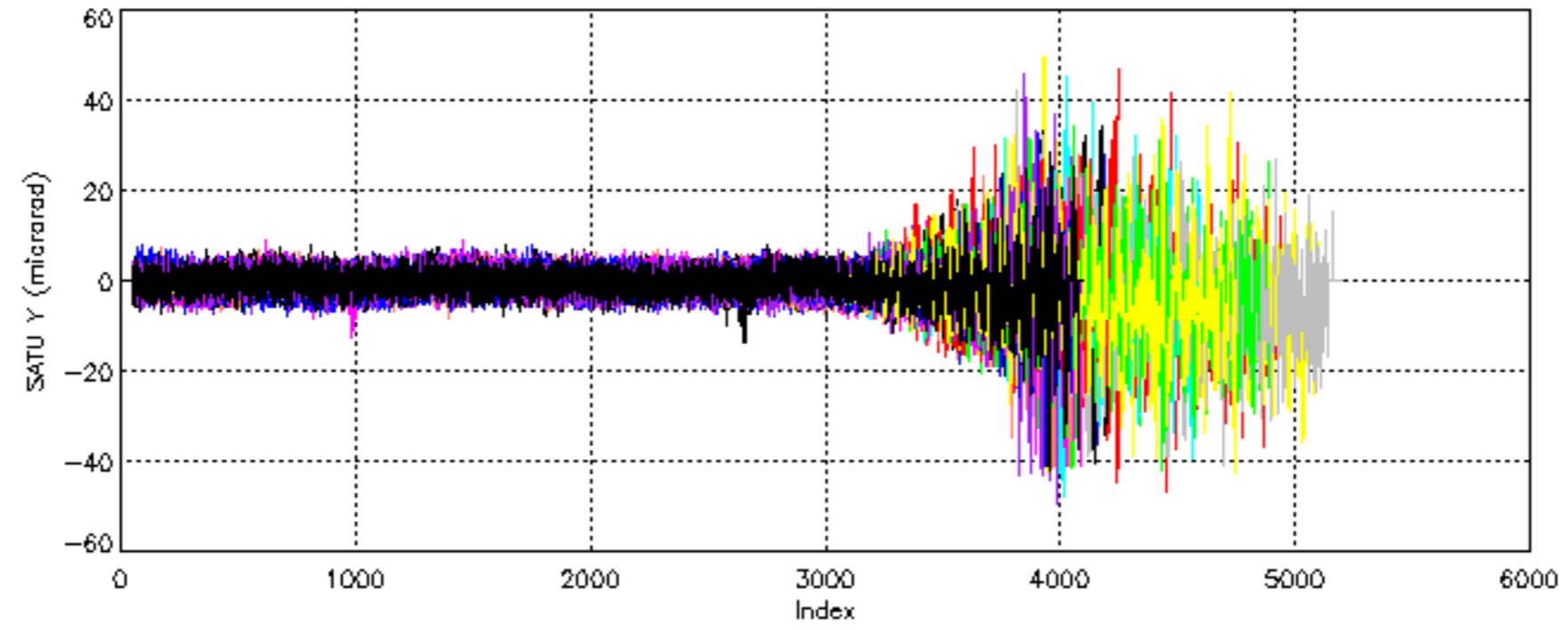


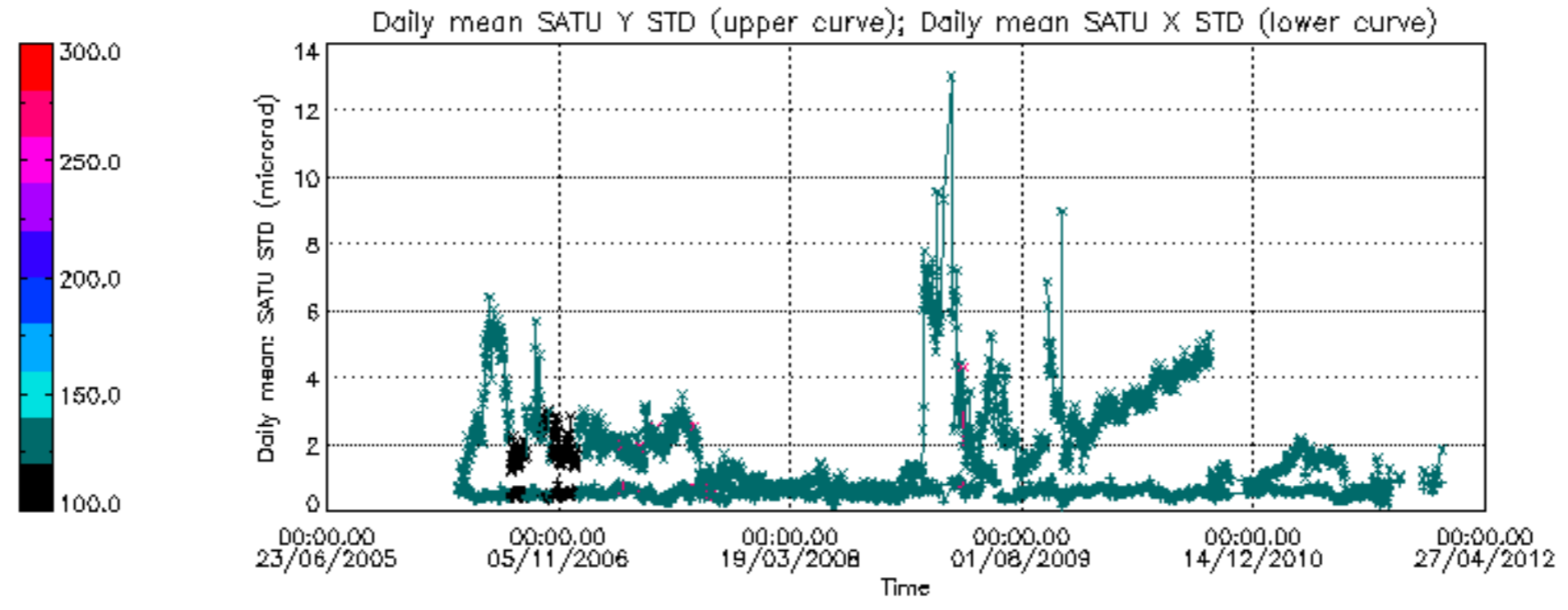
Percentage of saturation errors per profile

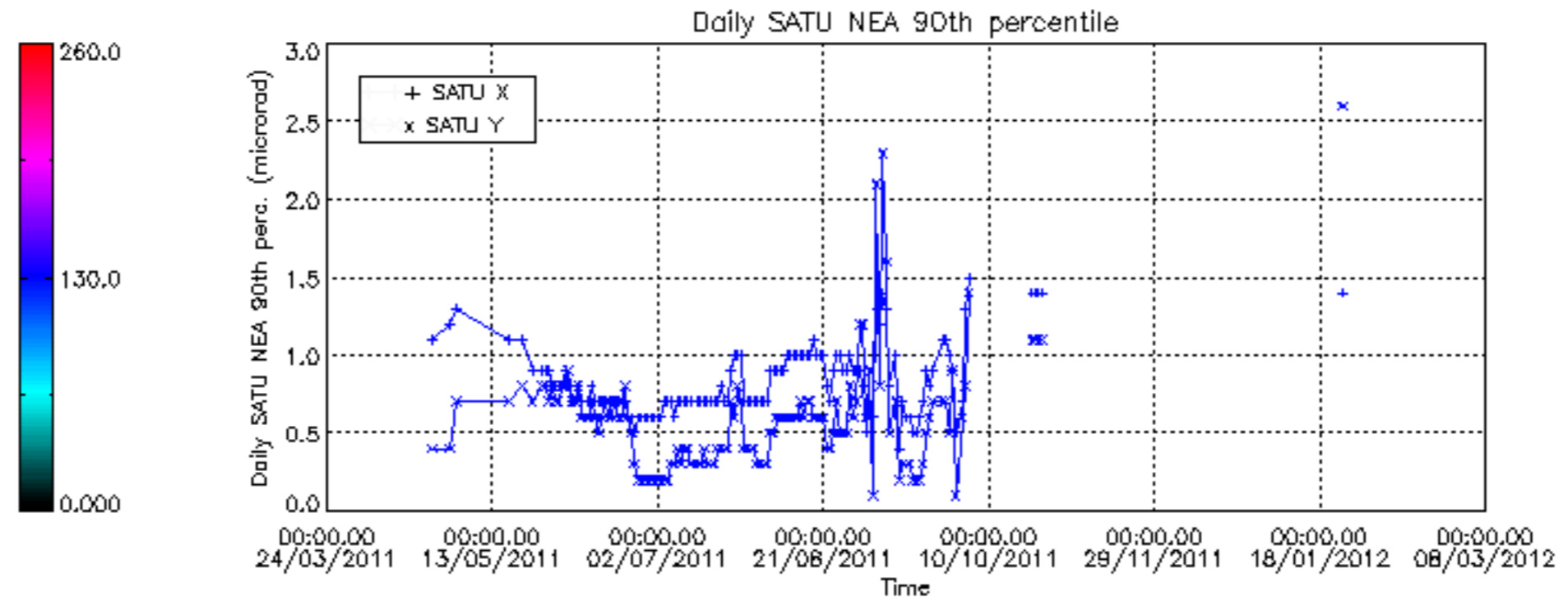


Tangent altitude at which the star is lost









/nas3/ENVISAT/GOMOS/GOM_NL__0P/GOM_NL__0PNPDE20120102_013403_000060733110_00161_51468_3712.N1
1; 749.3; 02-JAN-2012 01:34:03; Dark ; 59.0; 0; ; 0.00; 0;occ; 118; 0;51468
2; 6763.8; 02-JAN-2012 03:14:17; Dark ; 59.0; 0; ; 0.00; 0;occ; 118; 0;51469
/nas3/ENVISAT/GOMOS/GOM_NL__0P/GOM_NL__0PNPDK20120102_081755_00000433110_00165_51472_5504.N1
1; 925.9; 02-JAN-2012 08:17:55; Dark ; 43.5; 34; Gam2Vel ; 1.79; 23000;occ; 87; 0;51472
/nas3/ENVISAT/GOMOS/GOM_NL__0P/GOM_NL__0PNPDK20120102_095810_00000403110_00166_51473_5505.N1
1; 926.1; 02-JAN-2012 09:58:10; Dark ; 41.0; 34; Gam2Vel ; 1.79; 23000;occ; 82; 0;51473
/nas3/ENVISAT/GOMOS/GOM_NL__0P/GOM_NL__0PNPDK20120102_113824_00000413110_00167_51474_5506.N1
1; 926.6; 02-JAN-2012 11:38:24; Dark ; 41.5; 34; Gam2Vel ; 1.79; 23000;occ; 83; 0;51474
/nas3/ENVISAT/GOMOS/GOM_NL__0P/GOM_NL__0PNPDK20120102_131838_00000423110_00168_51475_5507.N1
1; 927.2; 02-JAN-2012 13:18:38; Dark ; 43.0; 34; Gam2Vel ; 1.79; 23000;occ; 86; 0;51475
/nas3/ENVISAT/GOMOS/GOM_NL__0P/GOM_NL__0PNPDK20120102_145853_00000443110_00169_51476_5508.N1
1; 927.7; 02-JAN-2012 14:58:53; Dark ; 44.5; 34; Gam2Vel ; 1.79; 23000;occ; 89; 0;51476
/nas3/ENVISAT/GOMOS/GOM_NL__0P/GOM_NL__0PNPDK20120102_163907_00000463110_00170_51477_5509.N1
1; 928.1; 02-JAN-2012 16:39:07; Dark ; 46.5; 34; Gam2Vel ; 1.79; 23000;occ; 93; 0;51477
/nas3/ENVISAT/GOMOS/GOM_NL__0P/GOM_NL__0PNPDK20120103_074117_00000413110_00179_51486_5510.N1
1; 932.5; 03-JAN-2012 07:41:17; Dark ; 42.0; 34; Gam2Vel ; 1.79; 23000;occ; 84; 0;51486
/nas3/ENVISAT/GOMOS/GOM_NL__0P/GOM_NL__0PNPDK20120103_092132_00000403110_00180_51487_5511.N1
1; 933.0; 03-JAN-2012 09:21:32; Dark ; 41.0; 34; Gam2Vel ; 1.79; 23000;occ; 82; 0;51487
/nas3/ENVISAT/GOMOS/GOM_NL__0P/GOM_NL__0PNPDK20120103_110146_00000413110_00181_51488_5512.N1
1; 933.4; 03-JAN-2012 11:01:46; Dark ; 41.5; 34; Gam2Vel ; 1.79; 23000;occ; 83; 0;51488
/nas3/ENVISAT/GOMOS/GOM_NL__0P/GOM_NL__0PNPDK20120103_124200_00000463110_00182_51489_5513.N1
1; 933.9; 03-JAN-2012 12:42:00; Dark ; 47.0; 34; Gam2Vel ; 1.79; 23000;occ; 94; 0;51489
/nas3/ENVISAT/GOMOS/GOM_NL__0P/GOM_NL__0PNPDK20120103_142215_00000443110_00183_51490_5514.N1
1; 934.4; 03-JAN-2012 14:22:15; Dark ; 45.0; 34; Gam2Vel ; 1.79; 23000;occ; 90; 0;51490
/nas3/ENVISAT/GOMOS/GOM_NL__0P/GOM_NL__0PNPDK20120103_160229_00000443110_00184_51491_5515.N1
1; 934.8; 03-JAN-2012 16:02:29; Dark ; 44.5; 34; Gam2Vel ; 1.79; 23000;occ; 89; 0;51491
/nas3/ENVISAT/GOMOS/GOM_NL__0P/GOM_NL__0PNPDK20120103_174244_00000453110_00185_51492_5516.N1
1; 935.2; 03-JAN-2012 17:42:44; Dark ; 45.5; 34; Gam2Vel ; 1.79; 23000;occ; 91; 0;51492
/nas3/ENVISAT/GOMOS/GOM_NL__0P/GOM_NL__0PNPDE20120104_052425_00000413110_00192_51499_3713.N1
1; 938.7; 04-JAN-2012 05:24:25; Dark ; 42.0; 34; Gam2Vel ; 1.79; 23000;occ; 84; 0;51499
/nas3/ENVISAT/GOMOS/GOM_NL__0P/GOM_NL__0PNPDK20120104_070439_00000413110_00193_51500_5517.N1
1; 939.1; 04-JAN-2012 07:04:39; Dark ; 42.0; 34; Gam2Vel ; 1.79; 23000;occ; 84; 0;51500
/nas3/ENVISAT/GOMOS/GOM_NL__0P/GOM_NL__0PNPDK20120104_084453_00000413110_00194_51501_5518.N1
1; 939.6; 04-JAN-2012 08:44:53; Dark ; 41.5; 34; Gam2Vel ; 1.79; 23000;occ; 83; 0;51501
/nas3/ENVISAT/GOMOS/GOM_NL__0P/GOM_NL__0PNPDK20120104_102508_00000473110_00195_51502_5519.N1
1; 940.1; 04-JAN-2012 10:25:08; Dark ; 47.5; 34; Gam2Vel ; 1.79; 23000;occ; 95; 0;51502
/nas3/ENVISAT/GOMOS/GOM_NL__0P/GOM_NL__0PNPDK20120104_120522_00000423110_00196_51503_5520.N1
1; 940.3; 04-JAN-2012 12:05:22; Dark ; 43.0; 34; Gam2Vel ; 1.79; 23000;occ; 86; 0;51503
/nas3/ENVISAT/GOMOS/GOM_NL__0P/GOM_NL__0PNPDK20120104_134536_00000453110_00197_51504_5521.N1
1; 940.9; 04-JAN-2012 13:45:36; Dark ; 45.5; 34; Gam2Vel ; 1.79; 23000;occ; 91; 0;51504
/nas3/ENVISAT/GOMOS/GOM_NL__0P/GOM_NL__0PNPDK20120104_152551_00000453110_00198_51505_5522.N1
1; 941.4; 04-JAN-2012 15:25:51; Dark ; 46.0; 34; Gam2Vel ; 1.79; 23000;occ; 92; 0;51505
/nas3/ENVISAT/GOMOS/GOM_NL__0P/GOM_NL__0PNPDK20120104_170605_00000433110_00199_51506_5523.N1
1; 941.9; 04-JAN-2012 17:06:05; Dark ; 44.0; 34; Gam2Vel ; 1.79; 23000;occ; 88; 0;51506
/nas3/ENVISAT/GOMOS/GOM_NL__0P/GOM_NL__0PNPDE20120105_062800_00000433110_00207_51514_3714.N1
1; 945.5; 05-JAN-2012 06:28:00; Dark ; 44.0; 34; Gam2Vel ; 1.79; 23000;occ; 88; 0;51514
/nas3/ENVISAT/GOMOS/GOM_NL__0P/GOM_NL__0PNPDK20120105_080815_00000423110_00208_51515_5524.N1
1; 946.0; 05-JAN-2012 08:08:15; Dark ; 43.0; 34; Gam2Vel ; 1.79; 23000;occ; 86; 0;51515
/nas3/ENVISAT/GOMOS/GOM_NL__0P/GOM_NL__0PNPDK20120105_090323_000027483110_00208_51515_5525.N1
1; -1759.9; 05-JAN-2012 09:03:23; Dark ; 57.5; 0; ; 0.00; 0;occ; 115; 0;51515
2; -1159.9; 05-JAN-2012 09:13:23; Dark ; 57.5; 0; ; 0.00; 0;occ; 115; 0;51515
3; -559.9; 05-JAN-2012 09:23:23; Dark ; 57.5; 0; ; 0.00; 0;occ; 115; 0;51515
4; 40.1; 05-JAN-2012 09:33:23; Dark ; 57.5; 0; ; 0.00; 0;occ; 115; 0;51516
5; 946.3; 05-JAN-2012 09:48:29; Dark ; 42.5; 34; Gam2Vel ; 1.79; 23000;occ; 85; 0;51516
/nas3/ENVISAT/GOMOS/GOM_NL__0P/GOM_NL__0PNPDK20120105_100323_000051633110_00209_51516_5526.N1
1; 1840.1; 05-JAN-2012 10:03:23; Dark ; 57.5; 0; ; 0.00; 0;occ; 115; 0;51516
2; 2440.1; 05-JAN-2012 10:13:23; Dark ; 57.5; 0; ; 0.00; 0;occ; 115; 0;51516
3; 3040.1; 05-JAN-2012 10:23:23; Dark ; 57.5; 0; ; 0.00; 0;occ; 115; 0;51516
4; 3640.1; 05-JAN-2012 10:33:23; Dark ; 57.0; 0; ; 0.00; 0;occ; 114; 0;51516
5; 4254.5; 05-JAN-2012 10:43:37; Dark ; 57.5; 0; ; 0.00; 0;occ; 115; 0;51516
6; 4854.5; 05-JAN-2012 10:53:37; Dark ; 57.5; 0; ; 0.00; 0;occ; 115; 0;51516
7; 5454.5; 05-JAN-2012 11:03:37; Dark ; 57.5; 0; ; 0.00; 0;occ; 115; 0;51516
8; 6054.5; 05-JAN-2012 11:13:37; Dark ; 57.5; 0; ; 0.00; 0;occ; 115; 0;51517
9; 6960.8; 05-JAN-2012 11:28:44; Dark ; 42.5; 34; Gam2Vel ; 1.79; 23000;occ; 85; 0;51517
/nas3/ENVISAT/GOMOS/GOM_NL__0P/GOM_NL__0PNPDK20120105_114337_000051653110_00210_51517_5527.N1
1; 1840.6; 05-JAN-2012 11:43:37; Dark ; 57.5; 0; ; 0.00; 0;occ; 115; 0;51517
2; 2440.6; 05-JAN-2012 11:53:37; Dark ; 57.5; 0; ; 0.00; 0;occ; 115; 0;51517

```

3; 3040.6; 05-JAN-2012 12:03:37; Dark ; 57.5; 0; ; 0.00; 0;occ; 115; 0;51517
4; 3640.6; 05-JAN-2012 12:13:37; Dark ; 57.0; 0; ; 0.00; 0;occ; 114; 0;51517
5; 4254.9; 05-JAN-2012 12:23:52; Dark ; 57.5; 0; ; 0.00; 0;occ; 115; 0;51517
6; 4854.9; 05-JAN-2012 12:33:52; Dark ; 57.5; 0; ; 0.00; 0;occ; 115; 0;51517
7; 5454.9; 05-JAN-2012 12:43:52; Dark ; 57.5; 0; ; 0.00; 0;occ; 115; 0;51517
8; 6054.9; 05-JAN-2012 12:53:52; Dark ; 57.5; 0; ; 0.00; 0;occ; 115; 0;51518
9; 6961.1; 05-JAN-2012 13:08:58; Dark ; 44.5; 34; Gam2Vel ; 1.79; 23000;occ; 89; 0;51518
/nas3/ENVISAT/GOMOS/GOM_NL__0P/GOM_NL__0PNPDK20120105_132352_000051643110_00211_51518_5528.N1
1; 1841.1; 05-JAN-2012 13:23:52; Dark ; 57.5; 0; ; 0.00; 0;occ; 115; 0;51518
2; 2441.1; 05-JAN-2012 13:33:52; Dark ; 57.5; 0; ; 0.00; 0;occ; 115; 0;51518
3; 3041.1; 05-JAN-2012 13:43:52; Dark ; 57.5; 0; ; 0.00; 0;occ; 115; 0;51518
4; 3641.1; 05-JAN-2012 13:53:52; Dark ; 57.0; 0; ; 0.00; 0;occ; 114; 0;51518
5; 6961.8; 05-JAN-2012 14:49:12; Dark ; 43.5; 34; Gam2Vel ; 1.79; 23000;occ; 87; 0;51519
/nas3/ENVISAT/GOMOS/GOM_NL__0P/GOM_NL__0PNPDK20120105_162927_000000423110_00213_51520_5529.N1
1; 948.2; 05-JAN-2012 16:29:27; Dark ; 42.5; 34; Gam2Vel ; 1.79; 23000;occ; 85; 0;51520
/nas3/ENVISAT/GOMOS/GOM_NL__0P/GOM_NL__0PNPDK20120109_070702_000015573110_00265_51572_5530.N1
1; 78.9; 09-JAN-2012 07:07:02; Dark ; 42.5; 77; Eps Cen ; 2.30; 28000;occ; 85; 0;51572
2; 970.8; 09-JAN-2012 07:21:54; Dark ; 44.0; 34; Gam2Vel ; 1.79; 23000;occ; 88; 0;51572
3; 1100.3; 09-JAN-2012 07:24:03; Dark ; 46.0; 70; Zet Pup ; 2.25; 39000;occ; 92; 0;51572
4; 1588.0; 09-JAN-2012 07:32:11; Dark ; 48.5; 1; 9Alp CMA ; -1.44; 11000;occ; 97; 0;51572
/nas3/ENVISAT/GOMOS/GOM_NL__0P/GOM_NL__0PNPDK20120109_084716_000015573110_00266_51573_5531.N1
1; 79.4; 09-JAN-2012 08:47:16; Dark ; 40.0; 77; Eps Cen ; 2.30; 28000;occ; 80; 0;51573
2; 971.2; 09-JAN-2012 09:02:08; Dark ; 40.0; 34; Gam2Vel ; 1.79; 23000;occ; 80; 0;51573
3; 1100.6; 09-JAN-2012 09:04:17; Dark ; 41.0; 70; Zet Pup ; 2.25; 39000;occ; 82; 0;51573
4; 1588.1; 09-JAN-2012 09:12:25; Dark ; 48.5; 1; 9Alp CMA ; -1.44; 11000;occ; 97; 0;51573
/nas3/ENVISAT/GOMOS/GOM_NL__0P/GOM_NL__0PNPDK20120109_123253_000055703110_00268_51575_5534.N1
1; 1588.4; 09-JAN-2012 12:32:53; Dark ; 47.0; 1; 9Alp CMA ; -1.44; 11000;occ; 94; 0;51575
2; 6095.4; 09-JAN-2012 13:48:00; Dark ; 41.5; 77; Eps Cen ; 2.30; 28000;occ; 83; 0;51576
3; 6986.3; 09-JAN-2012 14:02:51; Dark ; 40.5; 34; Gam2Vel ; 1.79; 23000;occ; 81; 0;51576
4; 7115.7; 09-JAN-2012 14:05:00; Dark ; 43.0; 70; Zet Pup ; 2.25; 39000;occ; 86; 0;51576
/nas3/ENVISAT/GOMOS/GOM_NL__0P/GOM_NL__0PNPDK20120109_105239_000055703110_00267_51574_5533.N1
1; 1588.1; 09-JAN-2012 10:52:39; Dark ; 47.5; 1; 9Alp CMA ; -1.44; 11000;occ; 95; 0;51574
2; 6094.6; 09-JAN-2012 12:07:45; Dark ; 42.0; 77; Eps Cen ; 2.30; 28000;occ; 84; 0;51575
3; 6985.8; 09-JAN-2012 12:22:37; Dark ; 44.0; 34; Gam2Vel ; 1.79; 23000;occ; 88; 0;51575
4; 7115.4; 09-JAN-2012 12:24:46; Dark ; 43.0; 70; Zet Pup ; 2.25; 39000;occ; 86; 0;51575
/nas3/ENVISAT/GOMOS/GOM_NL__0P/GOM_NL__0PNPDK20120109_141307_000055713110_00269_51576_5535.N1
1; 1588.9; 09-JAN-2012 14:13:07; Dark ; 46.5; 1; 9Alp CMA ; -1.44; 11000;occ; 93; 0;51576
2; 6096.1; 09-JAN-2012 15:28:15; Dark ; 41.5; 77; Eps Cen ; 2.30; 28000;occ; 83; 0;51577
3; 6986.9; 09-JAN-2012 15:43:05; Dark ; 41.5; 34; Gam2Vel ; 1.79; 23000;occ; 83; 0;51577
4; 7116.0; 09-JAN-2012 15:45:14; Dark ; 44.0; 70; Zet Pup ; 2.25; 39000;occ; 88; 0;51577
/nas3/ENVISAT/GOMOS/GOM_NL__0P/GOM_NL__0PNPDK20120109_155321_000054433110_00270_51577_5536.N1
1; 1588.7; 09-JAN-2012 15:53:21; Dark ; 46.0; 1; 9Alp CMA ; -1.44; 11000;occ; 92; 0;51577
2; 6096.7; 09-JAN-2012 17:08:29; Dark ; 41.0; 77; Eps Cen ; 2.30; 28000;occ; 82; 0;51578
3; 6987.3; 09-JAN-2012 17:23:20; Dark ; 44.5; 34; Gam2Vel ; 1.79; 23000;occ; 89; 0;51578
/nas3/ENVISAT/GOMOS/GOM_NL__0P/GOM_NL__0PNPDK20120109_172529_000005323110_00271_51578_5537.N1
1; 1102.4; 09-JAN-2012 17:25:29; Dark ; 43.0; 70; Zet Pup ; 2.25; 39000;occ; 86; 0;51578
2; 1588.7; 09-JAN-2012 17:33:35; Dark ; 46.5; 1; 9Alp CMA ; -1.44; 11000;occ; 93; 0;51578
/nas3/ENVISAT/GOMOS/GOM_NL__0P/GOM_NL__0PNPDK20120110_081041_000010593110_00280_51587_5538.N1
1; 88.7; 10-JAN-2012 08:10:41; Dark ; 42.0; 77; Eps Cen ; 2.30; 28000;occ; 84; 0;51587
2; 977.0; 10-JAN-2012 08:25:29; Dark ; 41.0; 34; Gam2Vel ; 1.79; 23000;occ; 82; 0;51587
3; 1106.0; 10-JAN-2012 08:27:38; Dark ; 42.0; 70; Zet Pup ; 2.25; 39000;occ; 84; 0;51587
/nas3/ENVISAT/GOMOS/GOM_NL__0P/GOM_NL__0PNPDK20120110_095055_000010613110_00281_51588_5539.N1
1; 89.3; 10-JAN-2012 09:50:55; Dark ; 42.5; 77; Eps Cen ; 2.30; 28000;occ; 85; 0;51588
2; 977.4; 10-JAN-2012 10:05:43; Dark ; 42.0; 34; Gam2Vel ; 1.79; 23000;occ; 84; 0;51588
3; 1106.3; 10-JAN-2012 10:07:52; Dark ; 44.5; 70; Zet Pup ; 2.25; 39000;occ; 89; 0;51588
/nas3/ENVISAT/GOMOS/GOM_NL__0P/GOM_NL__0PNPDK20120110_113110_000010603110_00282_51589_5540.N1
1; 90.0; 10-JAN-2012 11:31:10; Dark ; 40.5; 77; Eps Cen ; 2.30; 28000;occ; 81; 0;51589
2; 977.7; 10-JAN-2012 11:45:57; Dark ; 44.5; 34; Gam2Vel ; 1.79; 23000;occ; 89; 0;51589
3; 1106.8; 10-JAN-2012 11:48:07; Dark ; 43.5; 70; Zet Pup ; 2.25; 39000;occ; 87; 0;51589
/nas3/ENVISAT/GOMOS/GOM_NL__0P/GOM_NL__0PNPDK20120110_131124_000010603110_00283_51590_5541.N1
1; 90.6; 10-JAN-2012 13:11:24; Dark ; 42.5; 77; Eps Cen ; 2.30; 28000;occ; 85; 0;51590
2; 978.1; 10-JAN-2012 13:26:12; Dark ; 42.5; 34; Gam2Vel ; 1.79; 23000;occ; 85; 0;51590
3; 1107.3; 10-JAN-2012 13:28:21; Dark ; 43.5; 70; Zet Pup ; 2.25; 39000;occ; 87; 0;51590
/nas3/ENVISAT/GOMOS/GOM_NL__0P/GOM_NL__0PNPDK20120110_145139_000010603110_00284_51591_5542.N1
1; 91.4; 10-JAN-2012 14:51:39; Dark ; 41.5; 77; Eps Cen ; 2.30; 28000;occ; 83; 0;51591
2; 978.6; 10-JAN-2012 15:06:26; Dark ; 38.0; 34; Gam2Vel ; 1.79; 23000;occ; 76; 0;51591
3; 1107.5; 10-JAN-2012 15:08:35; Dark ; 44.0; 70; Zet Pup ; 2.25; 39000;occ; 88; 0;51591
/nas3/ENVISAT/GOMOS/GOM_NL__0P/GOM_NL__0PNPDK20120110_163153_000010593110_00285_51592_5543.N1

```

```

1; 92.0; 10-JAN-2012 16:31:53; Dark ; 40.0; 77; Eps Cen ; 2.30; 28000;occ; 80; 0;51592
2; 979.0; 10-JAN-2012 16:46:40; Dark ; 45.0; 34; Gam2Vel ; 1.79; 23000;occ; 90; 0;51592
3; 1107.9; 10-JAN-2012 16:48:49; Dark ; 44.0; 70; Zet Pup ; 2.25; 39000;occ; 88; 0;51592
/nas3/ENVISAT/GOMOS/GOM_NL__0P/GOM_NL__0PNPDK20120110_164923_000000103110_00285_51592_5544.N1
1; 1141.4; 10-JAN-2012 16:49:23; Dark ; 44.5; 70; Zet Pup ; 2.25; 39000;occ; 89; 67;51592
/nas3/ENVISAT/GOMOS/GOM_NL__0P/GOM_NL__0PNPDK20120111_073405_000010563110_00294_51601_5545.N1
1; 98.1; 11-JAN-2012 07:34:05; Dark ; 41.0; 77; Eps Cen ; 2.30; 28000;occ; 82; 0;51601
2; 982.6; 11-JAN-2012 07:48:49; Dark ; 42.5; 34; Gam2Vel ; 1.79; 23000;occ; 85; 0;51601
3; 1111.5; 11-JAN-2012 07:50:58; Dark ; 43.5; 70; Zet Pup ; 2.25; 39000;occ; 87; 0;51601
/nas3/ENVISAT/GOMOS/GOM_NL__0P/GOM_NL__0PNPDK20120111_091419_000009273110_00295_51602_5546.N1
1; 98.7; 11-JAN-2012 09:14:19; Dark ; 41.5; 77; Eps Cen ; 2.30; 28000;occ; 83; 0;51602
2; 983.0; 11-JAN-2012 09:29:04; Dark ; 43.0; 34; Gam2Vel ; 1.79; 23000;occ; 86; 0;51602
/nas3/ENVISAT/GOMOS/GOM_NL__0P/GOM_NL__0PNPDK20120111_105434_000009293110_00296_51603_5547.N1
1; 99.4; 11-JAN-2012 10:54:34; Dark ; 41.0; 77; Eps Cen ; 2.30; 28000;occ; 82; 0;51603
2; 983.4; 11-JAN-2012 11:09:18; Dark ; 46.0; 34; Gam2Vel ; 1.79; 23000;occ; 92; 0;51603
/nas3/ENVISAT/GOMOS/GOM_NL__0P/GOM_NL__0PNPDK20120111_123449_000009263110_00297_51604_5548.N1
1; 100.2; 11-JAN-2012 12:34:49; Dark ; 40.5; 77; Eps Cen ; 2.30; 28000;occ; 81; 0;51604
2; 983.8; 11-JAN-2012 12:49:32; Dark ; 43.0; 34; Gam2Vel ; 1.79; 23000;occ; 86; 0;51604
/nas3/ENVISAT/GOMOS/GOM_NL__0P/GOM_NL__0PNPDK20120111_141503_000010563110_00298_51605_5549.N1
1; 100.8; 11-JAN-2012 14:15:03; Dark ; 40.5; 77; Eps Cen ; 2.30; 28000;occ; 81; 0;51605
2; 984.1; 11-JAN-2012 14:29:47; Dark ; 43.5; 34; Gam2Vel ; 1.79; 23000;occ; 87; 0;51605
3; 1113.1; 11-JAN-2012 14:31:56; Dark ; 44.0; 70; Zet Pup ; 2.25; 39000;occ; 88; 0;51605
/nas3/ENVISAT/GOMOS/GOM_NL__0P/GOM_NL__0PNPDK20120111_155518_000010563110_00299_51606_5550.N1
1; 101.4; 11-JAN-2012 15:55:18; Dark ; 40.0; 77; Eps Cen ; 2.30; 28000;occ; 80; 0;51606
2; 984.4; 11-JAN-2012 16:10:01; Dark ; 42.5; 34; Gam2Vel ; 1.79; 23000;occ; 85; 0;51606
3; 1113.3; 11-JAN-2012 16:12:10; Dark ; 44.5; 70; Zet Pup ; 2.25; 39000;occ; 89; 0;51606
/nas3/ENVISAT/GOMOS/GOM_NL__0P/GOM_NL__0PNPDK20120111_173532_000009273110_00300_51607_5551.N1
1; 102.1; 11-JAN-2012 17:35:32; Dark ; 41.5; 77; Eps Cen ; 2.30; 28000;occ; 83; 0;51607
2; 984.8; 11-JAN-2012 17:50:15; Dark ; 45.0; 34; Gam2Vel ; 1.79; 23000;occ; 90; 0;51607
/nas3/ENVISAT/GOMOS/GOM_NL__0P/GOM_NL__0PNPDK20120111_175224_000000453110_00300_51607_5552.N1
1; 1113.8; 11-JAN-2012 17:52:24; Dark ; 45.5; 70; Zet Pup ; 2.25; 39000;occ; 91; 0;51607
/nas3/ENVISAT/GOMOS/GOM_NL__0P/GOM_NL__0PNPDK20120112_065729_000010493110_00308_51615_5553.N1
1; 107.5; 12-JAN-2012 06:57:29; Dark ; 41.0; 77; Eps Cen ; 2.30; 28000;occ; 82; 0;51615
2; 1116.6; 12-JAN-2012 07:14:18; Dark ; 40.5; 70; Zet Pup ; 2.25; 39000;occ; 81; 0;51615
/nas3/ENVISAT/GOMOS/GOM_NL__0P/GOM_NL__0PNPDK20120112_083744_000010503110_00309_51616_5554.N1
1; 108.3; 12-JAN-2012 08:37:44; Dark ; 42.5; 77; Eps Cen ; 2.30; 28000;occ; 85; 0;51616
2; 1117.1; 12-JAN-2012 08:54:33; Dark ; 42.0; 70; Zet Pup ; 2.25; 39000;occ; 84; 0;51616
/nas3/ENVISAT/GOMOS/GOM_NL__0P/GOM_NL__0PNPDK20120112_101759_000010493110_00310_51617_5555.N1
1; 108.9; 12-JAN-2012 10:17:59; Dark ; 41.0; 77; Eps Cen ; 2.30; 28000;occ; 82; 0;51617
2; 1117.6; 12-JAN-2012 10:34:47; Dark ; 41.0; 70; Zet Pup ; 2.25; 39000;occ; 82; 0;51617
/nas3/ENVISAT/GOMOS/GOM_NL__0P/GOM_NL__0PNPDK20120112_115813_000010523110_00311_51618_5556.N1
1; 109.5; 12-JAN-2012 11:58:13; Dark ; 41.5; 77; Eps Cen ; 2.30; 28000;occ; 83; 0;51618
2; 1117.7; 12-JAN-2012 12:15:01; Dark ; 44.0; 70; Zet Pup ; 2.25; 39000;occ; 88; 0;51618
/nas3/ENVISAT/GOMOS/GOM_NL__0P/GOM_NL__0PNPDK20120112_133828_000010513110_00312_51619_5557.N1
1; 110.3; 12-JAN-2012 13:38:28; Dark ; 40.5; 77; Eps Cen ; 2.30; 28000;occ; 81; 0;51619
2; 1118.3; 12-JAN-2012 13:55:16; Dark ; 43.5; 70; Zet Pup ; 2.25; 39000;occ; 87; 0;51619
/nas3/ENVISAT/GOMOS/GOM_NL__0P/GOM_NL__0PNPDK20120112_151842_000010513110_00313_51620_5558.N1
1; 110.9; 12-JAN-2012 15:18:42; Dark ; 40.5; 77; Eps Cen ; 2.30; 28000;occ; 81; 0;51620
2; 1118.5; 12-JAN-2012 15:35:30; Dark ; 44.0; 70; Zet Pup ; 2.25; 39000;occ; 88; 0;51620
/nas3/ENVISAT/GOMOS/GOM_NL__0P/GOM_NL__0PNPDK20120112_165857_000010503110_00314_51621_5559.N1
1; 111.6; 12-JAN-2012 16:58:57; Dark ; 41.5; 77; Eps Cen ; 2.30; 28000;occ; 83; 0;51621
2; 1118.7; 12-JAN-2012 17:15:44; Dark ; 43.0; 70; Zet Pup ; 2.25; 39000;occ; 86; 0;51621
/nas3/ENVISAT/GOMOS/GOM_NL__0P/GOM_NL__0PNPDK20120112_171614_000000133110_00314_51621_5560.N1
1; 1148.7; 12-JAN-2012 17:16:14; Dark ; 43.5; 70; Zet Pup ; 2.25; 39000;occ; 87; 60;51621
/nas3/ENVISAT/GOMOS/GOM_NL__0P/GOM_NL__0PNPDE20120113_062054_000010473110_00322_51629_3716.N1
1; 117.1; 13-JAN-2012 06:20:54; Dark ; 42.0; 77; Eps Cen ; 2.30; 28000;occ; 84; 0;51629
2; 1121.8; 13-JAN-2012 06:37:39; Dark ; 43.0; 70; Zet Pup ; 2.25; 39000;occ; 86; 0;51629
/nas3/ENVISAT/GOMOS/GOM_NL__0P/GOM_NL__0PNPDK20120113_080108_000010463110_00323_51630_5561.N1
1; 117.8; 13-JAN-2012 08:01:08; Dark ; 42.5; 77; Eps Cen ; 2.30; 28000;occ; 85; 0;51630
2; 1122.3; 13-JAN-2012 08:17:53; Dark ; 41.5; 70; Zet Pup ; 2.25; 39000;occ; 83; 0;51630
/nas3/ENVISAT/GOMOS/GOM_NL__0P/GOM_NL__0PNPDK20120113_094123_000010453110_00324_51631_5562.N1
1; 118.5; 13-JAN-2012 09:41:23; Dark ; 41.5; 77; Eps Cen ; 2.30; 28000;occ; 83; 0;51631
2; 1122.6; 13-JAN-2012 09:58:07; Dark ; 41.5; 70; Zet Pup ; 2.25; 39000;occ; 83; 0;51631
/nas3/ENVISAT/GOMOS/GOM_NL__0P/GOM_NL__0PNPDK20120113_112138_000010433110_00325_51632_5563.N1
1; 119.2; 13-JAN-2012 11:21:38; Dark ; 42.0; 77; Eps Cen ; 2.30; 28000;occ; 84; 0;51632
2; 1122.9; 13-JAN-2012 11:38:21; Dark ; 39.5; 70; Zet Pup ; 2.25; 39000;occ; 79; 0;51632
/nas3/ENVISAT/GOMOS/GOM_NL__0P/GOM_NL__0PNPDK20120113_130152_000010483110_00326_51633_5564.N1
1; 119.7; 13-JAN-2012 13:01:52; Dark ; 42.5; 77; Eps Cen ; 2.30; 28000;occ; 85; 0;51633

```


2; 1123.1; 13-JAN-2012 13:18:35; Dark ; 45.0; 70; Zet Pup ; 2.25; 39000;occ; 90; 0;51633
/nas3/ENVISAT/GOMOS/GOM_NL__0P/GOM_NL__0PNPDK20120113_144207_000010453110_00327_51634_5565.N1
1; 120.7; 13-JAN-2012 14:42:07; Dark ; 40.5; 77; Eps Cen ; 2.30; 28000;occ; 81; 0;51634
2; 1123.6; 13-JAN-2012 14:58:50; Dark ; 42.5; 70; Zet Pup ; 2.25; 39000;occ; 85; 0;51634
/nas3/ENVISAT/GOMOS/GOM_NL__0P/GOM_NL__0PNPDK20120113_162221_000010463110_00328_51635_5566.N1
1; 121.2; 13-JAN-2012 16:22:21; Dark ; 41.5; 77; Eps Cen ; 2.30; 28000;occ; 83; 0;51635
2; 1124.0; 13-JAN-2012 16:39:04; Dark ; 44.0; 70; Zet Pup ; 2.25; 39000;occ; 88; 0;51635
/nas3/ENVISAT/GOMOS/GOM_NL__0P/GOM_NL__0PNPDE20120125_205823_000000483111_00072_51810_3719.N1
1; 1043.9; 25-JAN-2012 20:58:23; Dark ; 48.5; 65; Lam Vel ; 2.20; 4400;occ; 97; 0;51810
/nas3/ENVISAT/GOMOS/GOM_NL__0P/GOM_NL__0PNPDE20120125_221818_000012663111_00072_51810_3720.N1
1; -174.4; 25-JAN-2012 22:18:18; Dark ; 41.0; 131; Gam Lup ; 2.80; 26000;occ; 82; 0;51810
2; 1044.4; 25-JAN-2012 22:38:37; Dark ; 47.5; 65; Lam Vel ; 2.20; 4400;occ; 95; 0;51811
/nas3/ENVISAT/GOMOS/GOM_NL__0P/GOM_NL__0PNPDE20120125_235832_000012643111_00073_51811_3721.N1
1; -173.9; 25-JAN-2012 23:58:32; Dark ; 41.0; 131; Gam Lup ; 2.80; 26000;occ; 82; 0;51811
2; 1044.6; 26-JAN-2012 00:18:51; Dark ; 46.0; 65; Lam Vel ; 2.20; 4400;occ; 92; 0;51812
/nas3/ENVISAT/GOMOS/GOM_NL__0P/GOM_NL__0PNPDK20120125_072000_000000573111_00064_51802_5567.N1
1; 53.2; 25-JAN-2012 07:20:00; Dark ; 58.0; 0; ; 0.00; 0;occ; 116; 0;51802
/nas3/ENVISAT/GOMOS/GOM_NL__0P/GOM_NL__0PNPDK20120125_090015_000000573111_00065_51803_5568.N1
1; 53.8; 25-JAN-2012 09:00:15; Dark ; 58.0; 0; ; 0.00; 0;occ; 116; 0;51803
/nas3/ENVISAT/GOMOS/GOM_NL__0P/GOM_NL__0PNPDK20120125_105657_000000493111_00066_51804_5569.N1
1; 1041.6; 25-JAN-2012 10:56:57; Dark ; 49.5; 65; Lam Vel ; 2.20; 4400;occ; 99; 0;51804
/nas3/ENVISAT/GOMOS/GOM_NL__0P/GOM_NL__0PNPDK20120125_121650_000012693111_00066_51804_5570.N1
1; -178.8; 25-JAN-2012 12:16:50; Dark ; 42.5; 131; Gam Lup ; 2.80; 26000;occ; 85; 0;51804
2; 1041.9; 25-JAN-2012 12:37:11; Dark ; 49.0; 65; Lam Vel ; 2.20; 4400;occ; 98; 0;51805
/nas3/ENVISAT/GOMOS/GOM_NL__0P/GOM_NL__0PNPDK20120125_135705_000012713111_00067_51805_5571.N1
1; -178.1; 25-JAN-2012 13:57:05; Dark ; 40.5; 131; Gam Lup ; 2.80; 26000;occ; 81; 0;51805
2; 1042.5; 25-JAN-2012 14:17:25; Dark ; 51.0; 65; Lam Vel ; 2.20; 4400;occ; 102; 0;51806
/nas3/ENVISAT/GOMOS/GOM_NL__0P/GOM_NL__0PNPDK20120125_171734_000012673111_00069_51807_5573.N1
1; -176.5; 25-JAN-2012 17:17:34; Dark ; 41.5; 131; Gam Lup ; 2.80; 26000;occ; 83; 0;51807
2; 1043.2; 25-JAN-2012 17:37:54; Dark ; 48.0; 65; Lam Vel ; 2.20; 4400;occ; 96; 0;51808
/nas3/ENVISAT/GOMOS/GOM_NL__0P/GOM_NL__0PNPDK20120125_173754_000048363111_00070_51808_5574.N1
1; 1043.2; 25-JAN-2012 17:37:54; Dark ; 52.0; 65; Lam Vel ; 2.20; 4400;occ; 104; 0;51808
2; 5838.2; 25-JAN-2012 18:57:49; Dark ; 41.0; 131; Gam Lup ; 2.80; 26000;occ; 82; 0;51808
/nas3/ENVISAT/GOMOS/GOM_NL__0P/GOM_NL__0PNPDK20120125_191808_000048353111_00071_51809_5575.N1
1; 1043.6; 25-JAN-2012 19:18:08; Dark ; 42.5; 65; Lam Vel ; 2.20; 4400;occ; 85; 0;51809
2; 5838.6; 25-JAN-2012 20:38:03; Dark ; 40.5; 131; Gam Lup ; 2.80; 26000;occ; 81; 0;51809
/nas3/ENVISAT/GOMOS/GOM_NL__0P/GOM_NL__0PNPDE20120126_013847_000072803111_00074_51812_3722.N1
1; -173.2; 26-JAN-2012 01:38:47; Dark ; 42.0; 131; Gam Lup ; 2.80; 26000;occ; 84; 0;51812
2; 1045.2; 26-JAN-2012 01:59:05; Dark ; 46.0; 65; Lam Vel ; 2.20; 4400;occ; 92; 0;51813
3; 5841.5; 26-JAN-2012 03:19:02; Dark ; 42.5; 131; Gam Lup ; 2.80; 26000;occ; 85; 0;51813
4; 7059.4; 26-JAN-2012 03:39:20; Dark ; 47.5; 65; Lam Vel ; 2.20; 4400;occ; 95; 0;51814
/nas3/ENVISAT/GOMOS/GOM_NL__0P/GOM_NL__0PNPDE20120126_045917_000012673111_00076_51814_3723.N1
1; -171.5; 26-JAN-2012 04:59:17; Dark ; 41.5; 131; Gam Lup ; 2.80; 26000;occ; 83; 0;51814
2; 1045.9; 26-JAN-2012 05:19:34; Dark ; 50.0; 65; Lam Vel ; 2.20; 4400;occ; 100; 0;51815
/nas3/ENVISAT/GOMOS/GOM_NL__0P/GOM_NL__0PNPDE20120126_202143_000000473111_00086_51824_3724.N1
1; 1049.6; 26-JAN-2012 20:21:43; Dark ; 47.5; 65; Lam Vel ; 2.20; 4400;occ; 95; 0;51824
/nas3/ENVISAT/GOMOS/GOM_NL__0P/GOM_NL__0PNPDE20120126_214143_000012583111_00086_51824_3725.N1
1; -164.2; 26-JAN-2012 21:41:43; Dark ; 42.5; 131; Gam Lup ; 2.80; 26000;occ; 85; 0;51824
2; 1049.8; 26-JAN-2012 22:01:57; Dark ; 44.5; 65; Lam Vel ; 2.20; 4400;occ; 89; 0;51825
/nas3/ENVISAT/GOMOS/GOM_NL__0P/GOM_NL__0PNPDE20120126_232158_000012593111_00087_51825_3726.N1
1; -163.6; 26-JAN-2012 23:21:58; Dark ; 43.0; 131; Gam Lup ; 2.80; 26000;occ; 86; 0;51825
2; 1050.2; 26-JAN-2012 23:42:11; Dark ; 46.0; 65; Lam Vel ; 2.20; 4400;occ; 92; 0;51826
/nas3/ENVISAT/GOMOS/GOM_NL__0P/GOM_NL__0PNPDK20120126_063931_000012643111_00077_51815_5576.N1
1; -170.8; 26-JAN-2012 06:39:31; Dark ; 42.0; 131; Gam Lup ; 2.80; 26000;occ; 84; 0;51815
2; 1046.4; 26-JAN-2012 06:59:48; Dark ; 47.0; 65; Lam Vel ; 2.20; 4400;occ; 94; 0;51816
/nas3/ENVISAT/GOMOS/GOM_NL__0P/GOM_NL__0PNPDK20120126_081946_000012653111_00078_51816_5577.N1
1; -170.3; 26-JAN-2012 08:19:46; Dark ; 41.5; 131; Gam Lup ; 2.80; 26000;occ; 83; 0;51816
2; 1046.8; 26-JAN-2012 08:40:03; Dark ; 48.5; 65; Lam Vel ; 2.20; 4400;occ; 97; 0;51817
/nas3/ENVISAT/GOMOS/GOM_NL__0P/GOM_NL__0PNPDK20120126_100001_000012653111_00079_51817_5578.N1
1; -169.4; 26-JAN-2012 10:00:01; Dark ; 42.0; 131; Gam Lup ; 2.80; 26000;occ; 84; 0;51817
2; 1047.3; 26-JAN-2012 10:20:17; Dark ; 49.0; 65; Lam Vel ; 2.20; 4400;occ; 98; 0;51818
/nas3/ENVISAT/GOMOS/GOM_NL__0P/GOM_NL__0PNPDK20120126_114015_000012653111_00080_51818_5579.N1
1; -168.8; 26-JAN-2012 11:40:15; Dark ; 43.0; 131; Gam Lup ; 2.80; 26000;occ; 86; 0;51818
2; 1047.6; 26-JAN-2012 12:00:31; Dark ; 49.0; 65; Lam Vel ; 2.20; 4400;occ; 98; 0;51819
/nas3/ENVISAT/GOMOS/GOM_NL__0P/GOM_NL__0PNPDK20120126_132030_000012633111_00081_51819_5580.N1
1; -168.1; 26-JAN-2012 13:20:30; Dark ; 42.0; 131; Gam Lup ; 2.80; 26000;occ; 84; 0;51819
2; 1048.0; 26-JAN-2012 13:40:46; Dark ; 47.5; 65; Lam Vel ; 2.20; 4400;occ; 95; 0;51820
/nas3/ENVISAT/GOMOS/GOM_NL__0P/GOM_NL__0PNPDK20120126_150044_000012633111_00082_51820_5581.N1

1; -167.3; 26-JAN-2012 15:00:44; Dark ; 41.0; 131; Gam Lup ; 2.80; 26000;occ; 82; 0;51820
2; 1048.3; 26-JAN-2012 15:21:00; Dark ; 48.0; 65; Lam Vel ; 2.20; 4400;occ; 96; 0;51821
/nas3/ENVISAT/GOMOS/GOM_NL__0P/GOM_NL__0PNPDK20120126_164059_000012623111_00083_51821_5582.N1
1; -166.5; 26-JAN-2012 16:40:59; Dark ; 41.5; 131; Gam Lup ; 2.80; 26000;occ; 83; 0;51821
2; 1048.7; 26-JAN-2012 17:01:14; Dark ; 47.0; 65; Lam Vel ; 2.20; 4400;occ; 94; 0;51822
/nas3/ENVISAT/GOMOS/GOM_NL__0P/GOM_NL__0PNPDK20120126_182114_000012573111_00084_51822_5583.N1
1; -165.6; 26-JAN-2012 18:21:14; Dark ; 40.5; 131; Gam Lup ; 2.80; 26000;occ; 81; 0;51822
2; 1049.1; 26-JAN-2012 18:41:29; Dark ; 43.0; 65; Lam Vel ; 2.20; 4400;occ; 86; 0;51823
/nas3/ENVISAT/GOMOS/GOM_NL__0P/GOM_NL__0PNPDK20120126_184129_000048413111_00085_51823_5584.N1
1; 1049.1; 26-JAN-2012 18:41:29; Dark ; 47.0; 65; Lam Vel ; 2.20; 4400;occ; 94; 0;51823
2; 5848.7; 26-JAN-2012 20:01:28; Dark ; 42.0; 131; Gam Lup ; 2.80; 26000;occ; 84; 0;51823
/nas3/ENVISAT/GOMOS/GOM_NL__0P/GOM_NL__0PNPDE20120127_010212_000012583111_00088_51826_3727.N1
1; -162.8; 27-JAN-2012 01:02:12; Dark ; 41.5; 131; Gam Lup ; 2.80; 26000;occ; 83; 0;51826
2; 1050.6; 27-JAN-2012 01:22:26; Dark ; 45.5; 65; Lam Vel ; 2.20; 4400;occ; 91; 0;51827
/nas3/ENVISAT/GOMOS/GOM_NL__0P/GOM_NL__0PNPDE20120127_024227_000012583111_00089_51827_3728.N1
1; -162.1; 27-JAN-2012 02:42:27; Dark ; 41.0; 131; Gam Lup ; 2.80; 26000;occ; 82; 0;51827
2; 1051.0; 27-JAN-2012 03:02:40; Dark ; 45.5; 65; Lam Vel ; 2.20; 4400;occ; 91; 0;51828
/nas3/ENVISAT/GOMOS/GOM_NL__0P/GOM_NL__0PNPDE20120127_042242_000012613111_00090_51828_3729.N1
1; -161.3; 27-JAN-2012 04:22:42; Dark ; 42.0; 131; Gam Lup ; 2.80; 26000;occ; 84; 0;51828
2; 1051.5; 27-JAN-2012 04:42:54; Dark ; 49.0; 65; Lam Vel ; 2.20; 4400;occ; 98; 0;51829
/nas3/ENVISAT/GOMOS/GOM_NL__0P/GOM_NL__0PNPDE20120127_060256_000012583111_00091_51829_3730.N1
1; -160.6; 27-JAN-2012 06:02:56; Dark ; 42.5; 131; Gam Lup ; 2.80; 26000;occ; 85; 0;51829
2; 1051.8; 27-JAN-2012 06:23:09; Dark ; 46.5; 65; Lam Vel ; 2.20; 4400;occ; 93; 0;51830
/nas3/ENVISAT/GOMOS/GOM_NL__0P/GOM_NL__0PNPDE20120127_194503_000000463111_00100_51838_3731.N1
1; 1054.9; 27-JAN-2012 19:45:03; Dark ; 47.0; 65; Lam Vel ; 2.20; 4400;occ; 94; 0;51838
/nas3/ENVISAT/GOMOS/GOM_NL__0P/GOM_NL__0PNPDE20120127_210508_000000423111_00100_51838_3732.N1
1; -154.1; 27-JAN-2012 21:05:08; Dark ; 42.5; 131; Gam Lup ; 2.80; 26000;occ; 85; 0;51838
/nas3/ENVISAT/GOMOS/GOM_NL__0P/GOM_NL__0PNPDK20120127_074311_000012573111_00092_51830_5585.N1
1; -159.8; 27-JAN-2012 07:43:11; Dark ; 44.0; 131; Gam Lup ; 2.80; 26000;occ; 88; 0;51830
2; 1052.3; 27-JAN-2012 08:03:23; Dark ; 45.5; 65; Lam Vel ; 2.20; 4400;occ; 91; 0;51831
/nas3/ENVISAT/GOMOS/GOM_NL__0P/GOM_NL__0PNPDK20120127_092326_000012583111_00093_51831_5586.N1
1; -159.2; 27-JAN-2012 09:23:26; Dark ; 43.5; 131; Gam Lup ; 2.80; 26000;occ; 87; 0;51831
2; 1052.6; 27-JAN-2012 09:43:37; Dark ; 47.0; 65; Lam Vel ; 2.20; 4400;occ; 94; 0;51832
/nas3/ENVISAT/GOMOS/GOM_NL__0P/GOM_NL__0PNPDK20120127_110340_000012593111_00094_51832_5587.N1
1; -158.4; 27-JAN-2012 11:03:40; Dark ; 43.5; 131; Gam Lup ; 2.80; 26000;occ; 87; 0;51832
2; 1053.0; 27-JAN-2012 11:23:52; Dark ; 48.5; 65; Lam Vel ; 2.20; 4400;occ; 97; 0;51833
/nas3/ENVISAT/GOMOS/GOM_NL__0P/GOM_NL__0PNPDK20120127_124355_000012583111_00095_51833_5588.N1
1; -157.8; 27-JAN-2012 12:43:55; Dark ; 43.5; 131; Gam Lup ; 2.80; 26000;occ; 87; 0;51833
2; 1053.4; 27-JAN-2012 13:04:06; Dark ; 47.5; 65; Lam Vel ; 2.20; 4400;occ; 95; 0;51834
/nas3/ENVISAT/GOMOS/GOM_NL__0P/GOM_NL__0PNPDK20120127_142410_000012573111_00096_51834_5589.N1
1; -156.9; 27-JAN-2012 14:24:10; Dark ; 42.0; 131; Gam Lup ; 2.80; 26000;occ; 84; 0;51834
2; 1053.9; 27-JAN-2012 14:44:20; Dark ; 47.0; 65; Lam Vel ; 2.20; 4400;occ; 94; 0;51835
/nas3/ENVISAT/GOMOS/GOM_NL__0P/GOM_NL__0PNPDK20120127_160424_000012583111_00097_51835_5590.N1
1; -156.1; 27-JAN-2012 16:04:24; Dark ; 42.5; 131; Gam Lup ; 2.80; 26000;occ; 85; 0;51835
2; 1054.2; 27-JAN-2012 16:24:35; Dark ; 48.5; 65; Lam Vel ; 2.20; 4400;occ; 97; 0;51836
/nas3/ENVISAT/GOMOS/GOM_NL__0P/GOM_NL__0PNPDK20120127_174439_000012563111_00098_51836_5591.N1
1; -155.4; 27-JAN-2012 17:44:39; Dark ; 44.0; 131; Gam Lup ; 2.80; 26000;occ; 88; 0;51836
2; 1054.6; 27-JAN-2012 18:04:49; Dark ; 46.5; 65; Lam Vel ; 2.20; 4400;occ; 93; 0;51837
/nas3/ENVISAT/GOMOS/GOM_NL__0P/GOM_NL__0PNPDK20120127_180449_000048463111_00099_51837_5592.N1
1; 1054.6; 27-JAN-2012 18:04:49; Dark ; 47.0; 65; Lam Vel ; 2.20; 4400;occ; 94; 0;51837
2; 5859.2; 27-JAN-2012 19:24:54; Dark ; 41.5; 131; Gam Lup ; 2.80; 26000;occ; 83; 0;51837