GOMOS Daily Report 28-JAN-2007

Level 0 and Level 1 products

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Level 2 products

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1. General Info

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.

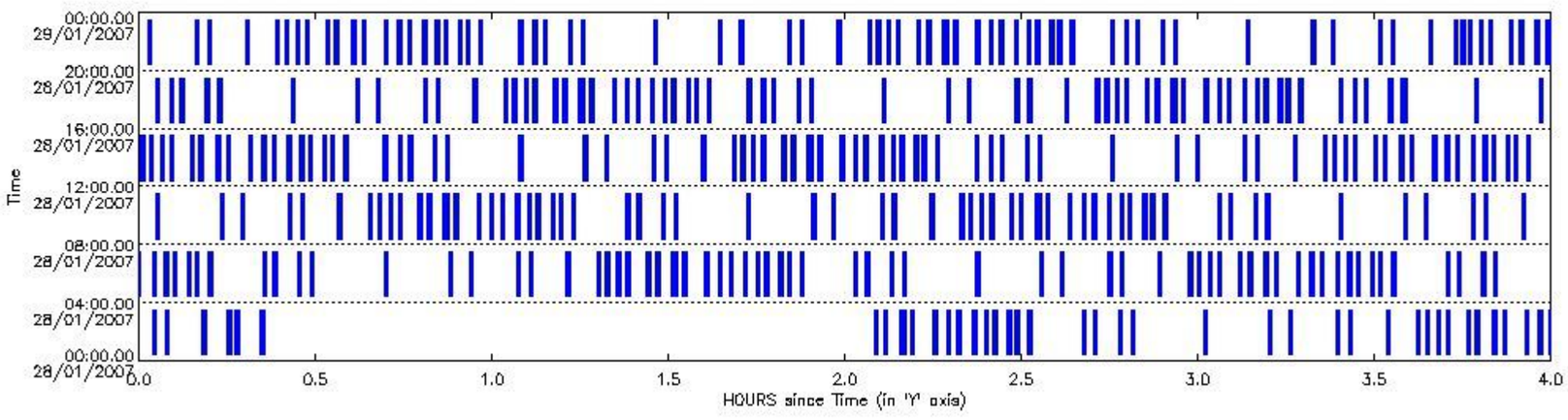
Item	Value
Time of report generation	30JAN2007 05:32:36
Data source version	GOMOS/5.00
Start time of products	QDS_YESTERDAY(/START)-1D (28JAN2007 00:00:00)
Stop time of products	QDS_YESTERDAY(/STOP)-1D (29JAN2007 00:00:00)
Store outputs in DB	Yes
Nb of level 1b prods	49
Nb of prods with errors	1

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)

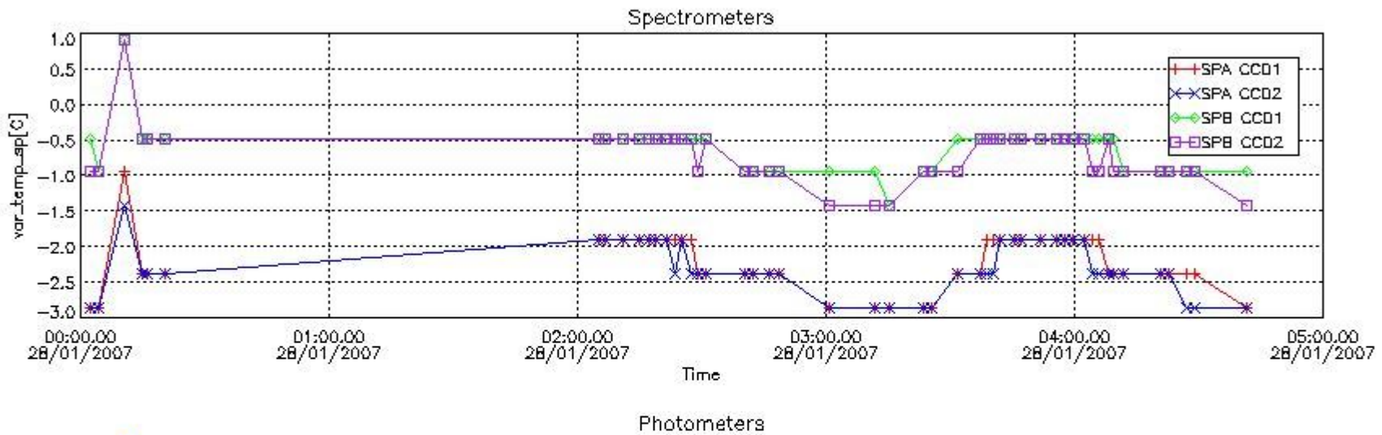
No missing products.

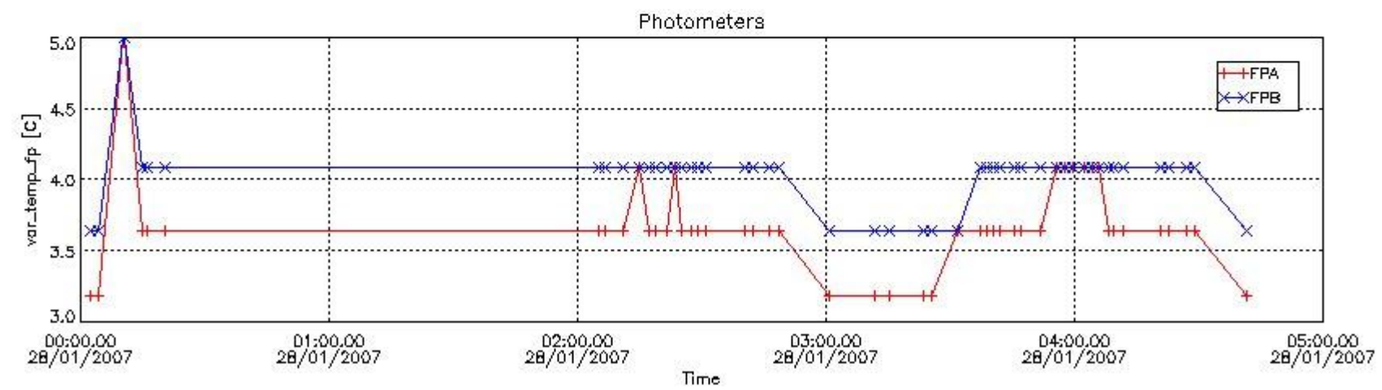
2.4 Summary of processed GOM_TRA_1P products

Nr	Filename	UTC Start time	Limb	Duration	Star Id	Star Name	Star Mag	Star Temp	Nb Meas	Orbit	Prod. error
1	GOM_TRA_1PNPDE20070128_000218_000000362055_00073_25678_6445.N1	28-JAN-2007 00:02:18	Bright	35.500	59	55Alp Oph	2.0800	8900.0	71	25678	No
2	GOM_TRA_1PNPDE20070128_000425_000000352055_00073_25678_6446.N1	28-JAN-2007 00:04:25	Bright	34.500	126	60Bet Oph	2.7700	4250.0	69	25678	No
3	GOM_TRA_1PNPDE20070128_001044_000000412055_00073_25678_6584.N1	28-JAN-2007 00:10:44	Twi_and_stray	41.000	86	35Eta Oph	2.4300	10200.	82	25678	Yes
4	GOM_TRA_1PNPDE20070128_001451_000000572055_00073_25678_6585.N1	28-JAN-2007 00:14:51	Dark	57.000	16	21Alp Sco	1.0200	3000.0	114	25678	No
5	GOM_TRA_1PNPDE20070128_001611_000000452055_00073_25678_6586.N1	28-JAN-2007 00:16:11	Dark	45.000	75	26Eps Sco	2.2910	4250.0	90	25678	No
6	GOM_TRA_1PNPDE20070128_002031_000000412055_00073_25678_6587.N1	28-JAN-2007 00:20:31	Dark	40.500	131	Gam Lup	2.8000	26000.	81	25678	No
7	GOM_TRA_1PNPDE20070128_020500_000000372055_00075_25680_6736.N1	28-JAN-2007 02:05:00	Dark	36.500	134	Bet TrA	2.8100	6600.0	73	25680	No
8	GOM_TRA_1PNPDE20070128_020633_000000412055_00075_25680_6737.N1	28-JAN-2007 02:06:33	Dark	41.000	4	Alp1Cen	-0.010000	5800.0	82	25680	No
9	GOM_TRA_1PNPDE20070128_021108_000000412055_00075_25680_6738.N1	28-JAN-2007 02:11:08	Dark	40.500	12	Alp1Cru	0.77500	30000.	81	25680	No
10	GOM_TRA_1PNPDE20070128_021457_000000382055_00075_25680_6739.N1	28-JAN-2007 02:14:57	Dark	38.000	29	Bet Car	1.6720	10200.	76	25680	No
11	GOM_TRA_1PNPDE20070128_021713_000000382055_00075_25680_6740.N1	28-JAN-2007 02:17:13	Dark	37.500	71	Iot Car	2.2460	7700.0	75	25680	No
12	GOM_TRA_1PNPDE20070128_021900_000000402055_00075_25680_6741.N1	28-JAN-2007 02:19:00	Dark	40.000	46	Del Vel	1.9540	10600.	80	25680	No

13	GOM_TRA_1PNPDE20070128_022134_000000432055_00075_25680_6742.N1	28-JAN-2007 02:21:34	Dark	42.500	34	Gam2Vel	1.7930	23000.	85	25680	No
14	GOM_TRA_1PNPDE20070128_022340_000000402055_00075_25680_6743.N1	28-JAN-2007 02:23:40	Straylight	40.000	70	Zet Pup	2.2460	39000.	80	25680	No
15	GOM_TRA_1PNPDE20070128_022506_000000422055_00075_25680_6744.N1	28-JAN-2007 02:25:06	Straylight	41.500	117	Pi Pup	2.7060	3800.0	83	25680	No
16	GOM_TRA_1PNPDE20070128_022734_000000422055_00075_25680_6745.N1	28-JAN-2007 02:27:34	Straylight	42.000	23	21Eps CMa	1.5020	26000.	84	25680	No
17	GOM_TRA_1PNPDE20070128_022856_000000382055_00075_25680_6746.N1	28-JAN-2007 02:28:56	Straylight	37.500	179	24Omi2CMa	3.0320	24000.	75	25680	No
18	GOM_TRA_1PNPDE20070128_023106_000000442055_00075_25680_6747.N1	28-JAN-2007 02:31:06	Straylight	44.000	1	9Alp CMa	-1.4400	11000.	88	25680	No
19	GOM_TRA_1PNPDE20070128_024022_000000372055_00075_25680_6748.N1	28-JAN-2007 02:40:22	Bright	37.000	44	24Gam Gem	1.9280	11000.	74	25680	No
20	GOM_TRA_1PNPDE20070128_024210_000000392055_00075_25680_6749.N1	28-JAN-2007 02:42:10	Bright	38.500	151	13Mu Gem	2.8900	3000.0	77	25680	No
21	GOM_TRA_1PNPDE20070128_024625_000000362055_00075_25680_6750.N1	28-JAN-2007 02:46:25	Bright	35.500	107	37The Aur	2.6490	11000.	71	25680	No
22	GOM_TRA_1PNPDE20070128_024832_000000352055_00075_25680_6751.N1	28-JAN-2007 02:48:32	Bright	35.000	42	34Bet Aur	1.9000	10200.	70	25680	No
23	GOM_TRA_1PNPDE20070128_030057_000000342055_00075_25680_6752.N1	28-JAN-2007 03:00:57	Bright	34.000	49	1Alp UMi	1.9900	6300.0	68	25680	No
24	GOM_TRA_1PNPDE20070128_031157_000000372055_00075_25680_6949.N1	28-JAN-2007 03:11:57	Bright	36.500	130	23Bet Dra	2.7990	5800.0	73	25680	No
25	GOM_TRA_1PNPDE20070128_031526_000000342055_00075_25680_6950.N1	28-JAN-2007 03:15:26	Bright	34.000	5	3Alp Lyr	0.033000	11000.	68	25680	No
26	GOM_TRA_1PNPDE20070128_032331_000000362055_00075_25680_6951.N1	28-JAN-2007 03:23:31	Bright	35.500	59	55Alp Oph	2.0800	8900.0	71	25680	No
27	GOM_TRA_1PNPDE20070128_032538_000000352055_00075_25680_6952.N1	28-JAN-2007 03:25:38	Bright	34.500	126	60Bet Oph	2.7700	4250.0	69	25680	No
28	GOM_TRA_1PNPDE20070128_033157_000000432055_00075_25680_6953.N1	28-JAN-2007 03:31:57	Twi_and_stray	42.500	86	35Eta Oph	2.4300	10200.	85	25680	No
29	GOM_TRA_1PNPDE20070128_033709_000000402055_00075_25680_6954.N1	28-JAN-2007 03:37:09	Dark	39.500	25	35Lam Sco	1.6200	28000.	79	25680	No
30	GOM_TRA_1PNPDE20070128_033840_000000422055_00075_25680_6955.N1	28-JAN-2007 03:38:40	Dark	42.000	40	The Sco	1.8590	7100.0	84	25680	No
31	GOM_TRA_1PNPDE20070128_034034_000000362055_00075_25680_6956.N1	28-JAN-2007 03:40:34	Dark	35.500	147	Alp Ara	2.8770	26000.	71	25680	No
32	GOM_TRA_1PNPDE20070128_034209_000000382055_00075_25680_6957.N1	28-JAN-2007 03:42:09	Dark	37.500	141	Bet Ara	2.8400	4600.0	75	25680	No
33	GOM_TRA_1PNPDE20070128_034536_000000372055_00076_25681_6958.N1	28-JAN-2007 03:45:36	Dark	37.000	134	Bet TrA	2.8100	6600.0	74	25681	No
34	GOM_TRA_1PNPDE20070128_034709_000000422055_00076_25681_6959.N1	28-JAN-2007 03:47:09	Dark	42.000	4	Alp1Cen	-0.010000	5800.0	84	25681	No
35	GOM_TRA_1PNPDE20070128_035145_000000412055_00076_25681_6960.N1	28-JAN-2007 03:51:45	Dark	40.500	12	Alp1Cru	0.77500	30000.	81	25681	No
36	GOM_TRA_1PNPDE20070128_035534_000000392055_00076_25681_6961.N1	28-JAN-2007 03:55:34	Dark	39.000	29	Bet Car	1.6720	10200.	78	25681	No
37	GOM_TRA_1PNPDE20070128_035750_000000382055_00076_25681_6962.N1	28-JAN-2007 03:57:50	Dark	38.000	71	Iot Car	2.2460	7700.0	76	25681	No
38	GOM_TRA_1PNPDE20070128_035937_000000412055_00076_25681_6963.N1	28-JAN-2007 03:59:37	Dark	41.000	46	Del Vel	1.9540	10600.	82	25681	No
39	GOM_TRA_1PNPDE20070128_040211_000000432055_00076_25681_6964.N1	28-JAN-2007 04:02:11	Dark	42.500	34	Gam2Vel	1.7930	23000.	85	25681	No
40	GOM_TRA_1PNPDE20070128_040417_000000392055_00076_25681_6965.N1	28-JAN-2007 04:04:17	Straylight	38.500	70	Zet Pup	2.2460	39000.	77	25681	No
41	GOM_TRA_1PNPDE20070128_040543_000000402055_00076_25681_6966.N1	28-JAN-2007 04:05:43	Straylight	40.000	117	Pi Pup	2.7060	3800.0	80	25681	No
42	GOM_TRA_1PNPDE20070128_040810_000000402055_00076_25681_6967.N1	28-JAN-2007 04:08:10	Straylight	39.500	23	21Eps CMa	1.5020	26000.	79	25681	No
43	GOM_TRA_1PNPDE20070128_040933_000000372055_00076_25681_6968.N1	28-JAN-2007 04:09:33	Straylight	37.000	179	24Omi2CMa	3.0320	24000.	74	25681	No
44	GOM_TRA_1PNPDE20070128_041142_000000432055_00076_25681_6969.N1	28-JAN-2007 04:11:42	Straylight	43.000	1	9Alp CMa	-1.4400	11000.	86	25681	No
45	GOM_TRA_1PNPDE20070128_042058_000000362055_00076_25681_6970.N1	28-JAN-2007 04:20:58	Bright	35.500	44	24Gam Gem	1.9280	11000.	71	25681	No
46	GOM_TRA_1PNPDE20070128_042246_000000402055_00076_25681_6971.N1	28-JAN-2007 04:22:46	Bright	39.500	151	13Mu Gem	2.8900	3000.0	79	25681	No
47	GOM_TRA_1PNPDE20070128_042702_000000352055_00076_25681_6972.N1	28-JAN-2007 04:27:02	Bright	35.000	107	37The Aur	2.6490	11000.	70	25681	No
48	GOM_TRA_1PNPDE20070128_042908_000000352055_00076_25681_6973.N1	28-JAN-2007 04:29:08	Bright	35.000	42	34Bet Aur	1.9000	10200.	70	25681	No
49	GOM_TRA_1PNPDE20070128_044133_000000362055_00076_25681_6974.N1	28-JAN-2007 04:41:33	Bright	36.000	49	1Alp UMi	1.9900	6300.0	72	25681	No

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





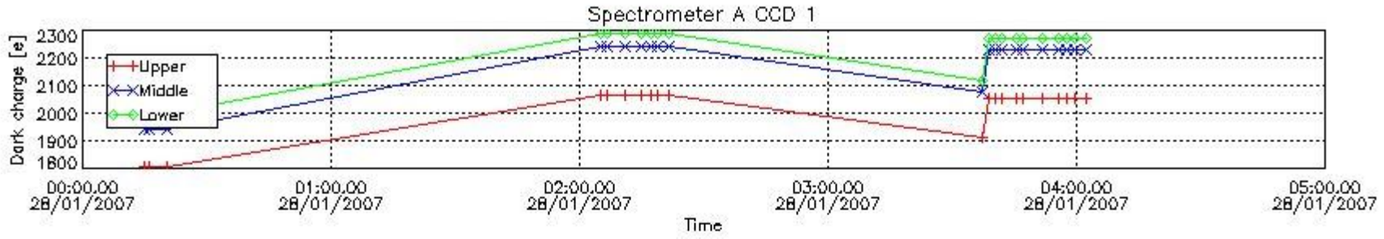
4. Overview of dark signal processing per product

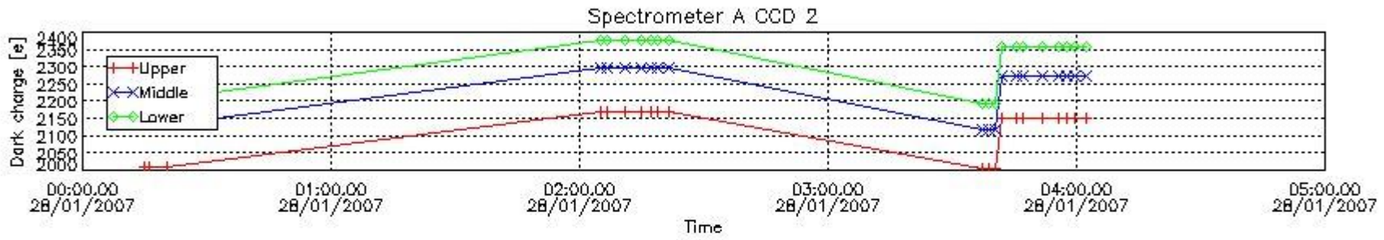
The Dark Charge (DC) is a temperature-dependant signal added to the useful measurements and it is therefore substracted from them during the processing. There are two phenomena that produce a continuous increase of the DC: the "hot pixels" (a pixel is "hot" when its DC exceeds by a significant amount 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.

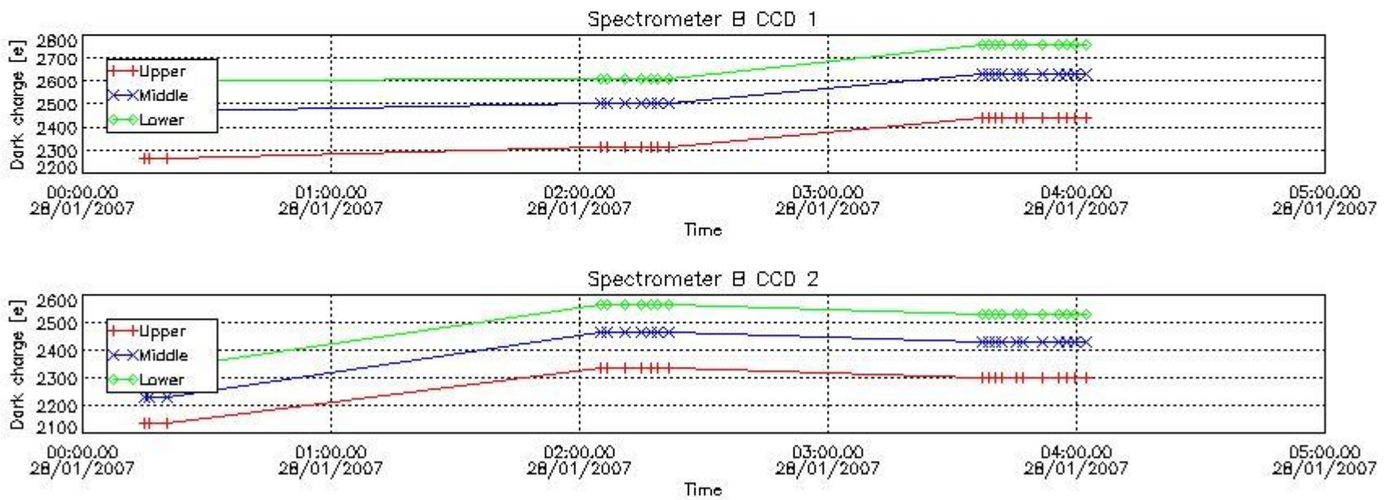
4.1 These products did not use the DSA observation for DC computation:

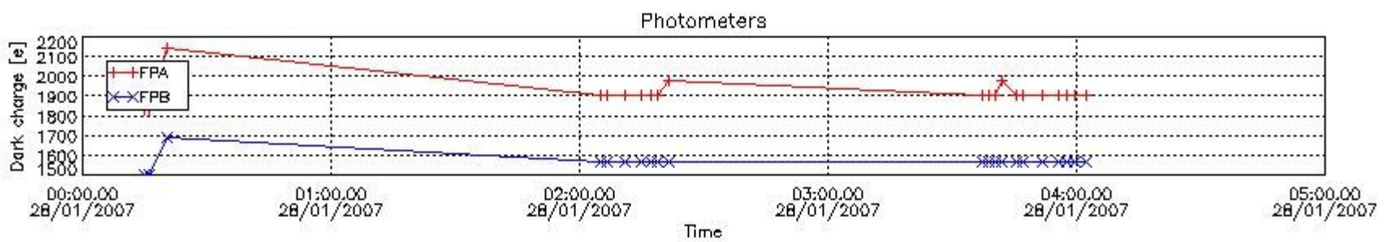
Product name	DC information
GOM_TRA_1PNPDE20070128_001044_000000412055_00073_25678_6584.N1	DC map with no T dep.
GOM_TRA_1PNPDE20070128_001451_000000572055_00073_25678_6585.N1	DC map used
GOM_TRA_1PNPDE20070128_001611_000000452055_00073_25678_6586.N1	DC map used
GOM_TRA_1PNPDE20070128_002031_000000412055_00073_25678_6587.N1	DC map used

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









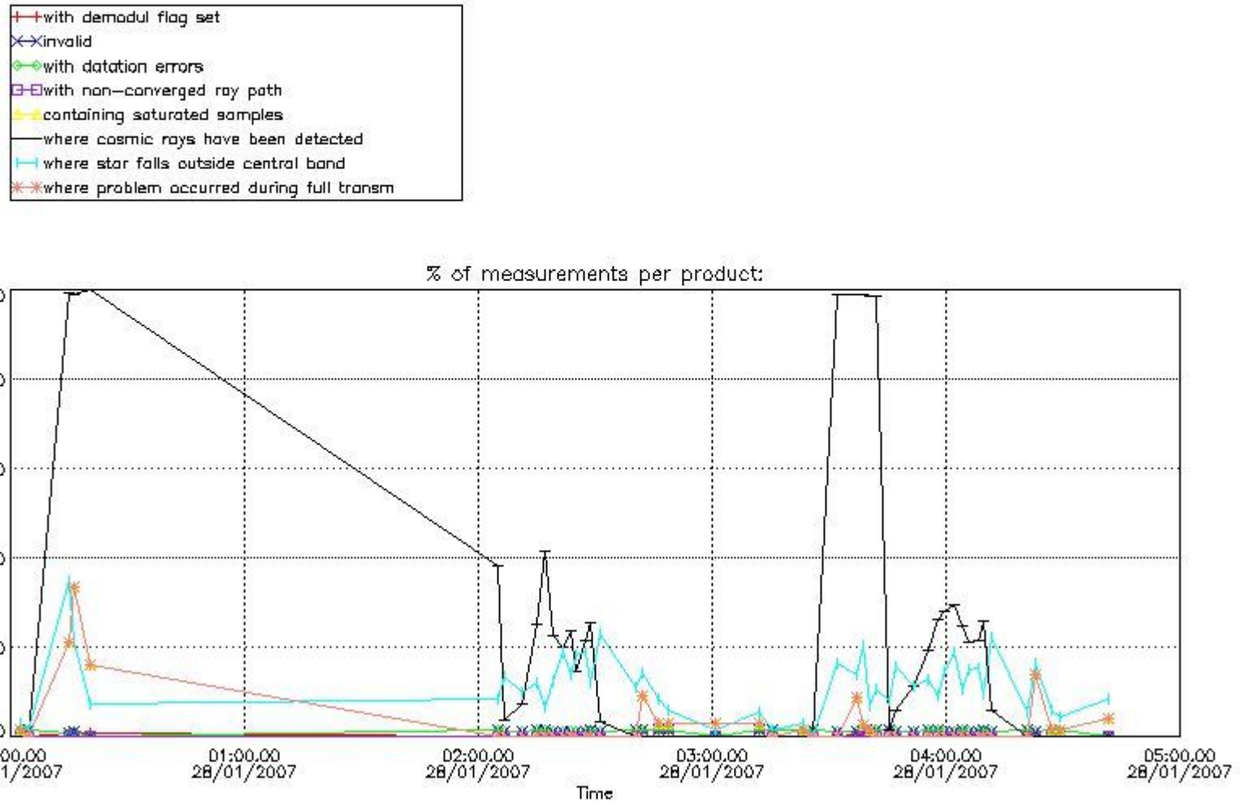
5. Demodulation flag and quality information monitoring

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:

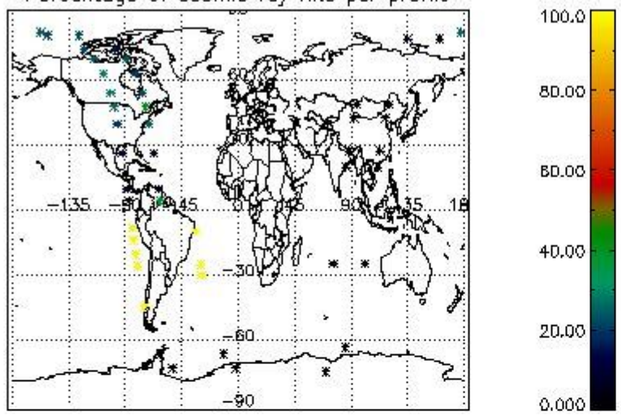
At least one measurement with demodulation flag set:	22.9167 %
Reference spectrum computed from DB:	0.00000 %
Reference spectrum with small number of measurements:	0.00000 %
SATU data not used:	0.00000 %

5.2 Plot quality information per product (time dependant)

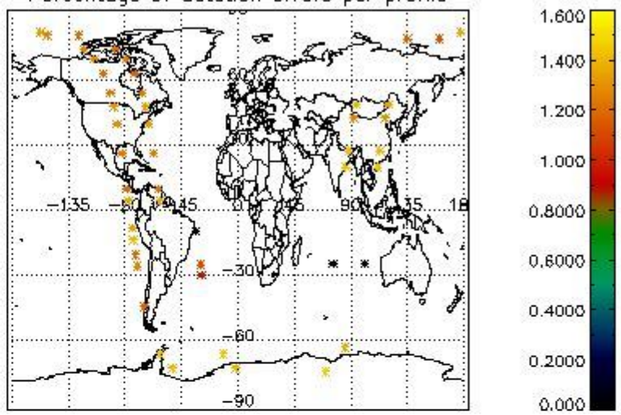


5.3 Plot quality information per product (world map)

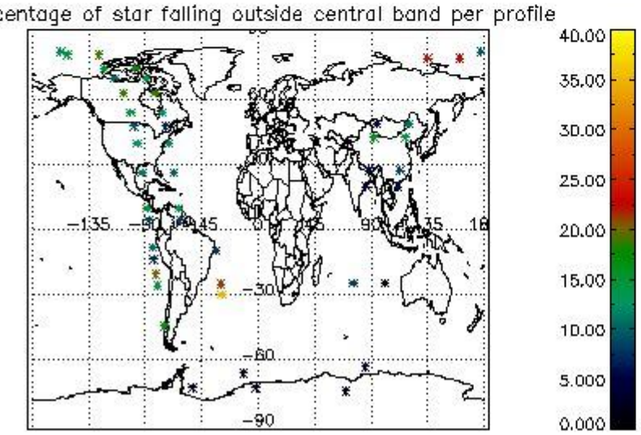
Percentage of cosmic ray hits per profile



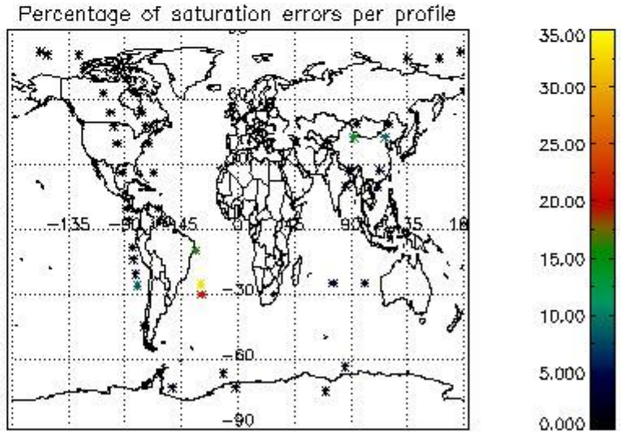
Percentage of datation errors per profile



Percentage of star falling outside central band per profile



Percentage of saturation errors per profile



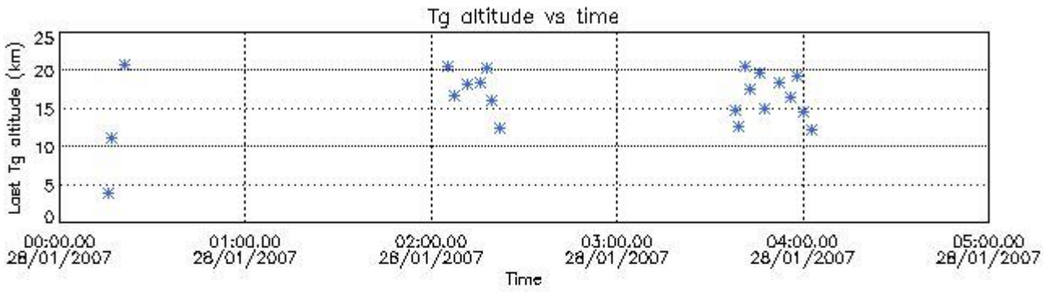
6. Statistics and plot of tangent altitude of the last measurement (DARK & BRIGHT products without errors)

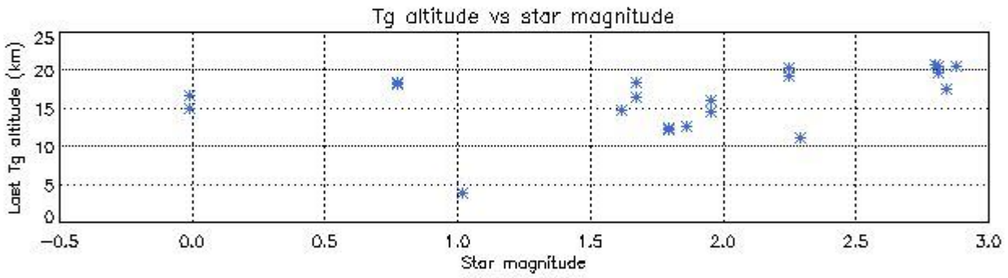
6.1 Statistics on tangent altitude lost:

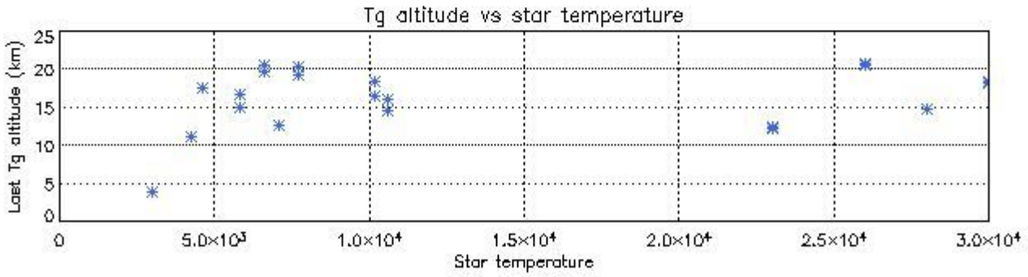
Statistics	DARK	BRIGHT	TWILIGHT
Mean:	16.126	21.177	NaN
St. deviation:	4.1140	3.2321	NaN
Maximum:	20.729	25.182	NaN
Minimum:	3.9124	14.008	NaN
Number of data:	21.000	16.000	NaN

6.2 Plot for DARK limb products

Tangent altitude at which the star is lost

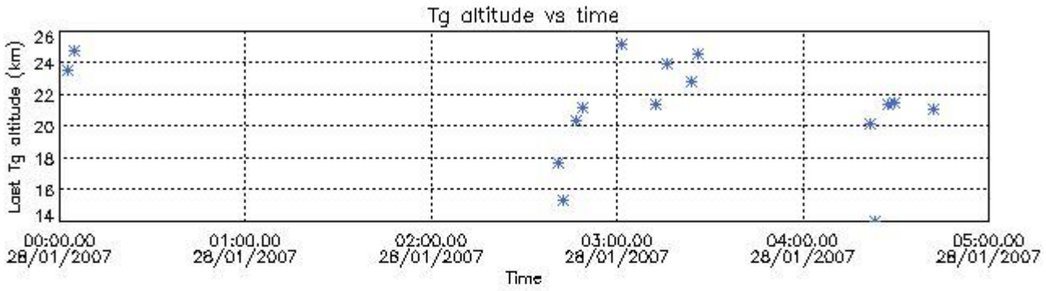


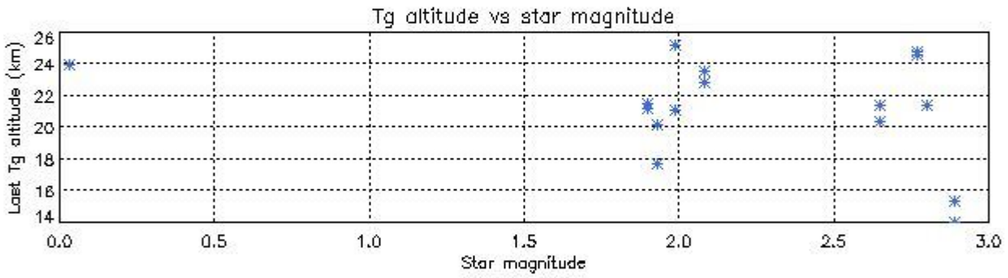


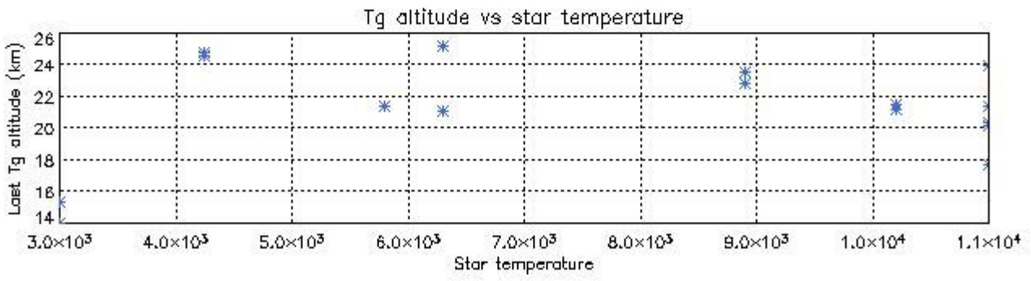


6.3 Plot for BRIGHT limb products

Tangent altitude at which the star is lost





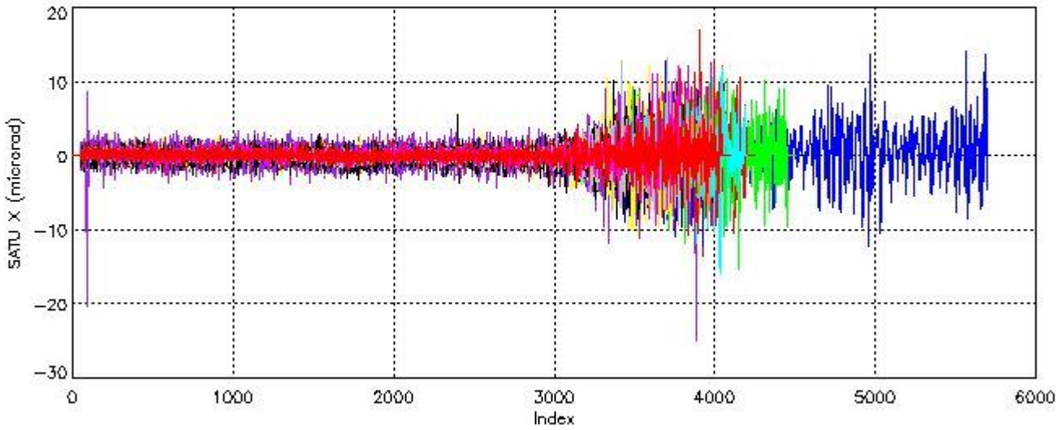


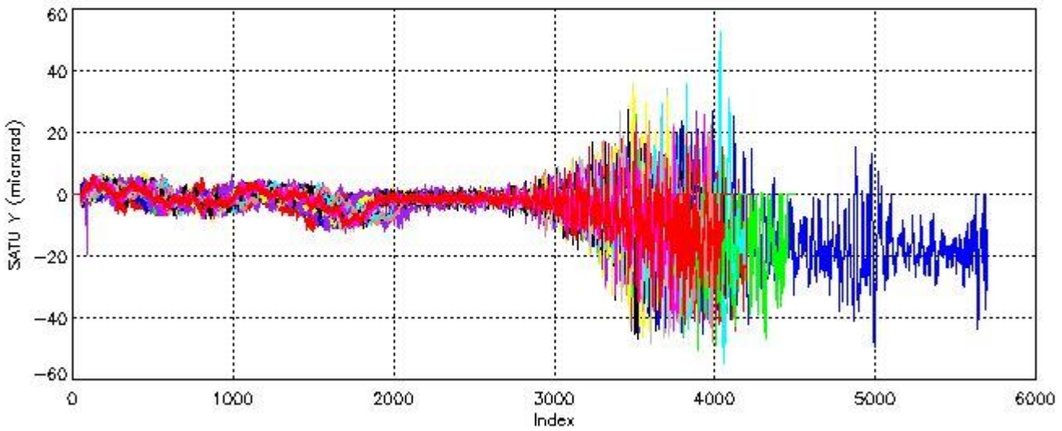
7. Star Acquisition and Tracking Unit (SATU)

The Star Acquisition and Tracking Unit (SATU) analyses the position of the tracked star beam collected by the GOMOS telescope and deflected by the optical beam dispatcher. The main functin 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 frecuency 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:	0.078974	-0.16192	0.037124	-0.56819
St. deviation:	0.51699	2.5075	0.65324	2.2444
Maximum:	8.6000	7.1000	4.2000	7.5000
Minimum:	-20.400	-19.400	-4.6000	-8.4000

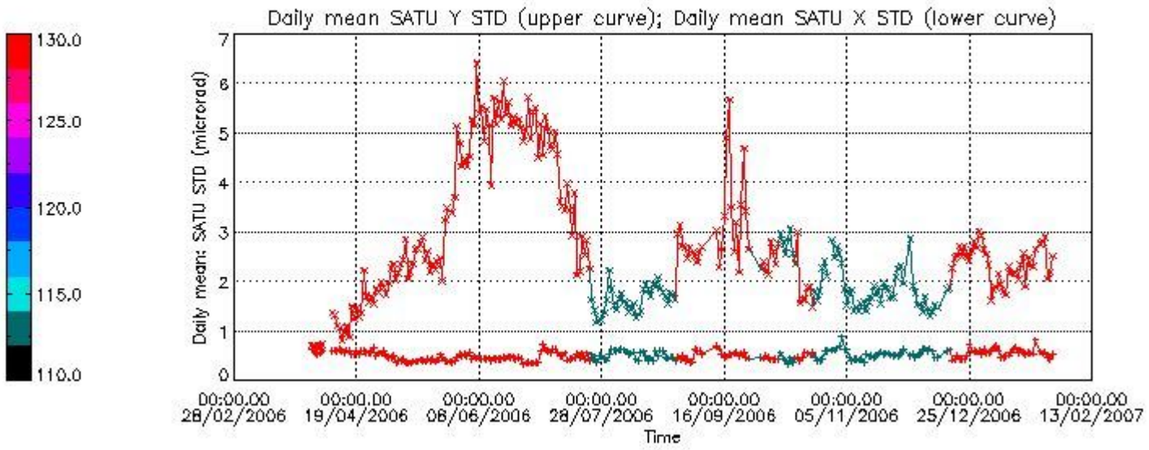
Number of data:	18300.	18300.	13150.	13150.

7.2.2 Trend of daily SATU NEA St. deviation since 1st April 2006 (dark limb)

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.

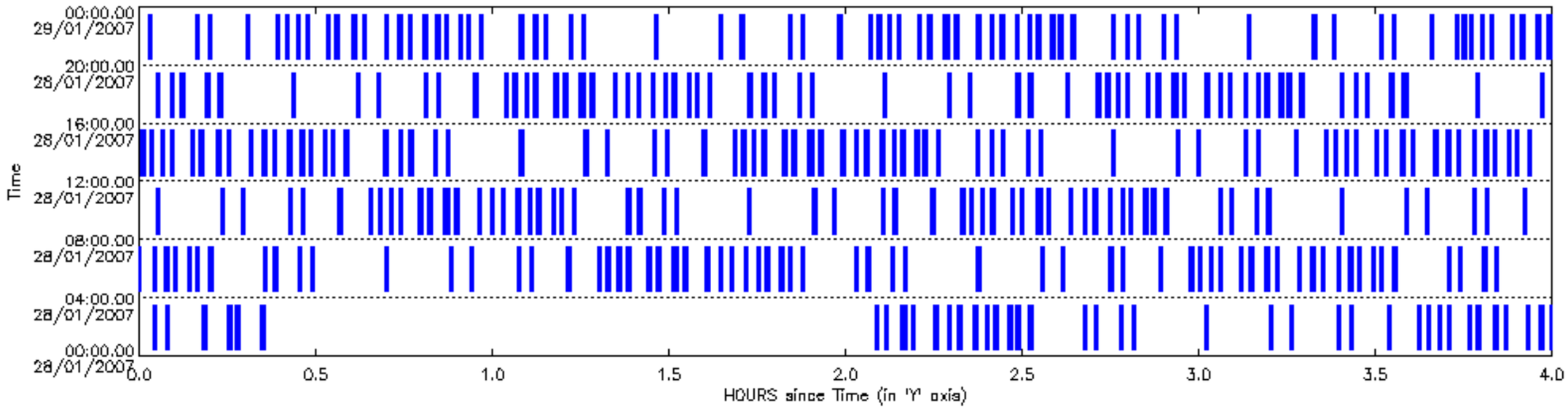
Upper curve: STD of SATU Y axis
Lower curve: STD of SATU X axis

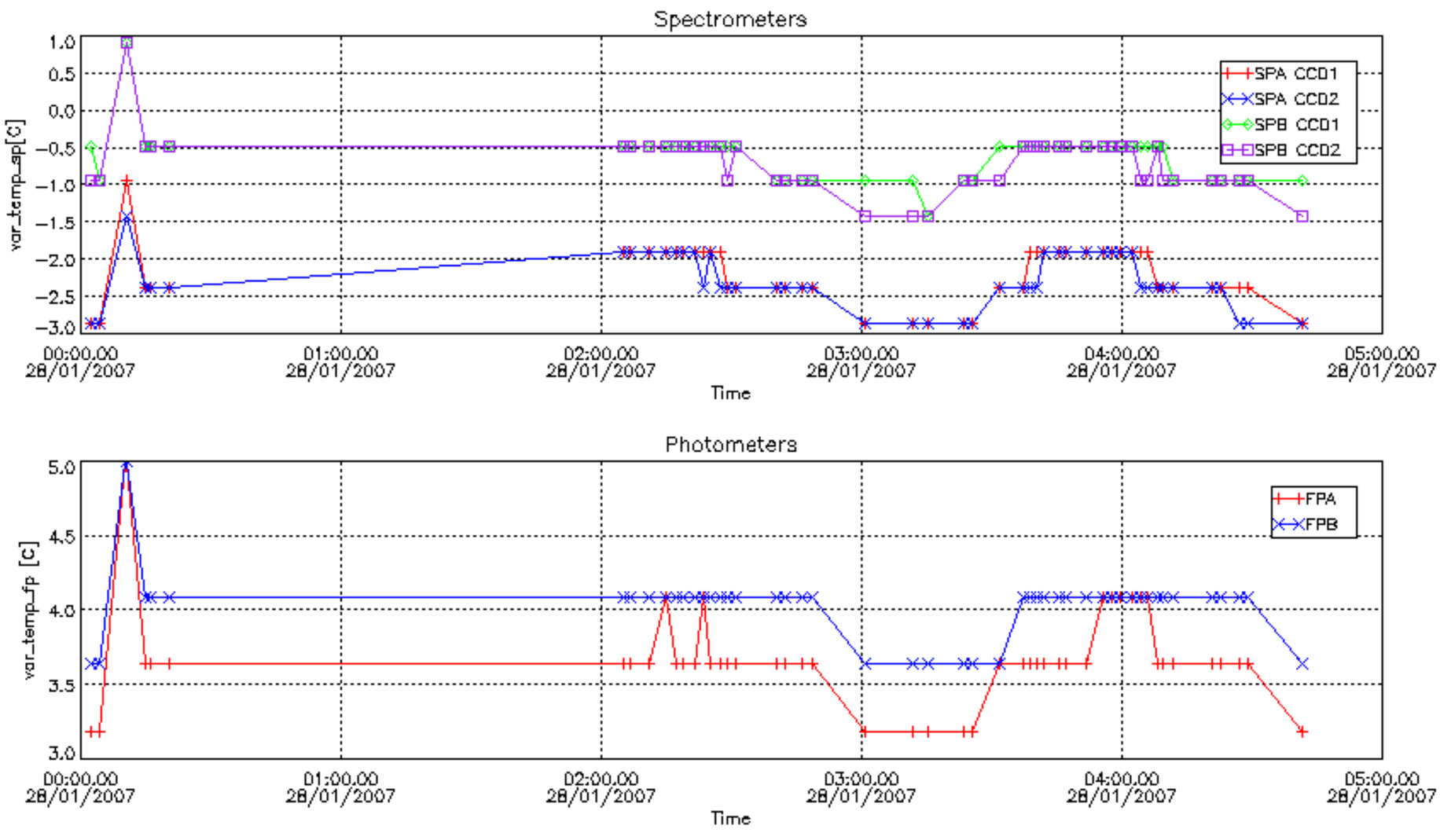


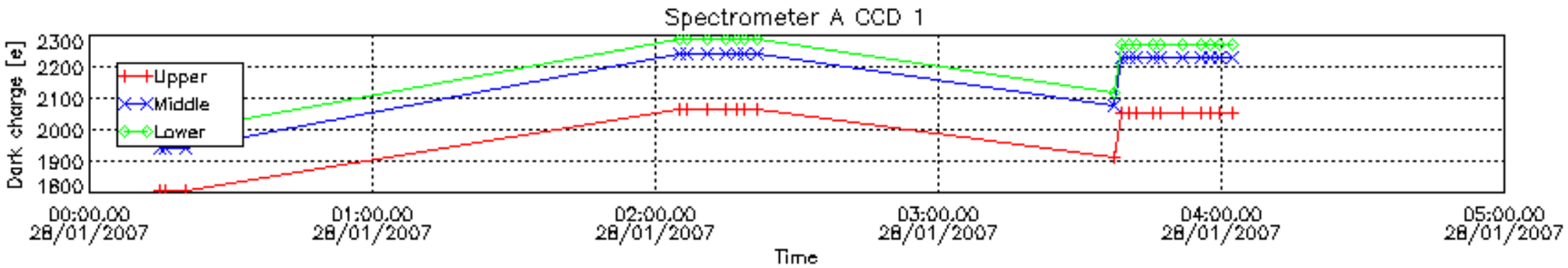
8. Auxiliary Data Files used for the production reported in section 2.4

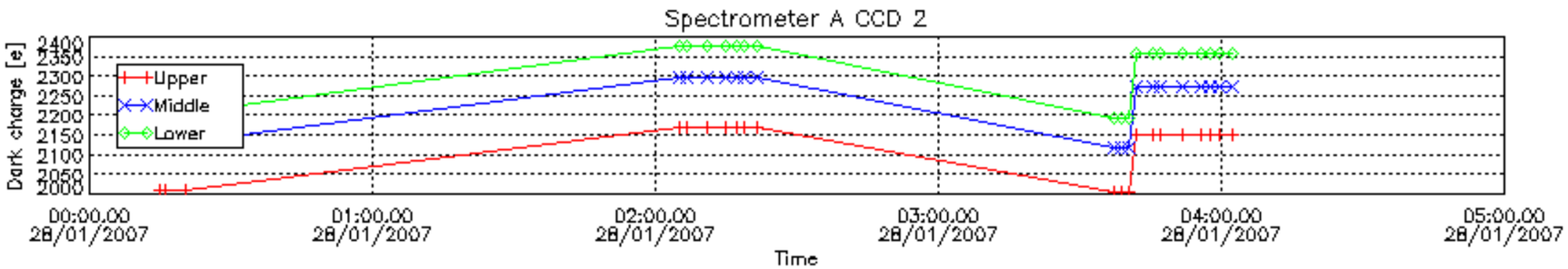
The number reported in the third column indicates since which file (see list in section 2.4) the corresponding auxiliary file has been used. The fourth column is the date of those product files.

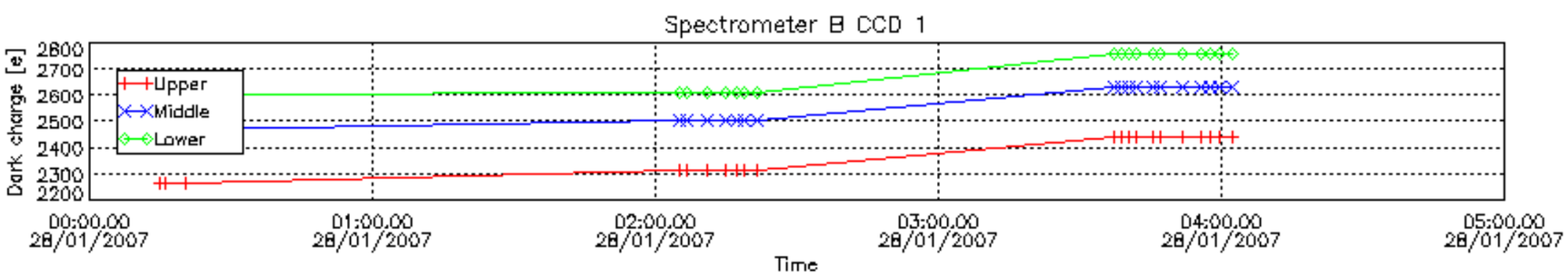
Type	Auxiliary Filename	Used since product	Used since product date
INST_PHYS_CHARACTERISTICS	GOM_INS_AXNIEC20050627_150713_20030716_120000_20100101_000000	1	28-JAN-2007 00:02:18
CALIBRATION_DATABASE	GOM_CAL_AXVIEC20070117_105731_20070116_000000_20100101_000000	1	28-JAN-2007 00:02:18
LEVEL-1B_PROC_CONFIG	GOM_PR1_AXNIEC20050627_151042_20020301_000000_20100101_000000	1	28-JAN-2007 00:02:18
STAR_CATALOGUE	GOM_CAT_AXVIEC20020121_161009_20020101_000000_20200101_000000	1	28-JAN-2007 00:02:18
STELLAR_SPECTRA_DATABANK	GOM_STS_AXNIEC20040308_103538_20020101_160000_20100101_000000	1	28-JAN-2007 00:02:18
ECMWF_FILE	AUX_ECF_AXNECM20070127_061135_20070127_210000_20070128_090000	1	28-JAN-2007 00:02:18
ECMWF_FILE	AUX_ECF_AXNECM20070127_181150_20070128_030000_20070128_150000	24	28-JAN-2007 03:11:57
OPTIONAL_ECMWF_FILE	MISSING	1	28-JAN-2007 00:02:18
ORBIT_DATA_FILE	DOR_NAV_0PNPDE20070127_204520_000057382055_00071_25676_2665.N1	1	28-JAN-2007 00:02:18
ORBIT_DATA_FILE	DOR_NAV_0PNPDE20070127_222617_000057382055_00072_25677_2666.N1	3	28-JAN-2007 00:10:44

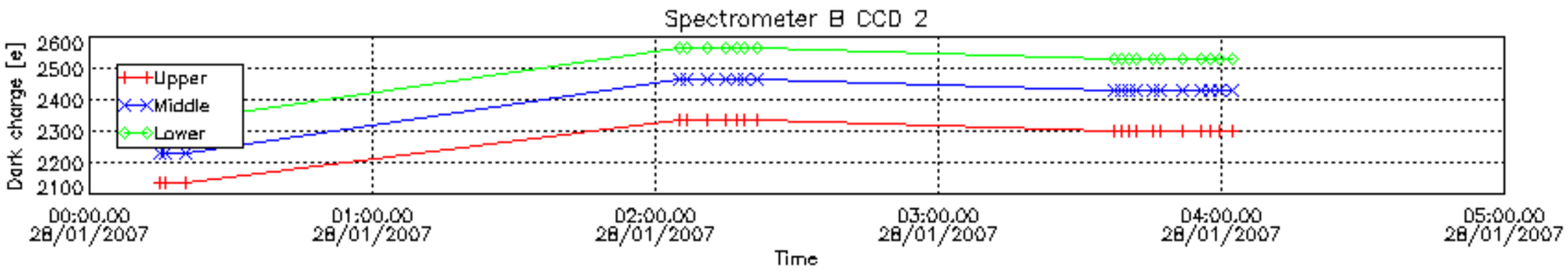

00:00.00
29/01/2007
20:00.00
28/01/2007
16:00.00
28/01/2007
12:00.00
28/01/2007
08:00.00
28/01/2007
04:00.00
28/01/2007
00:00.00
28/01/2007
Time
0.0
0.5
1.0
1.5
2.0
2.5
3.0
3.5
4.0
HOURS since Time (in 'Y' axis)

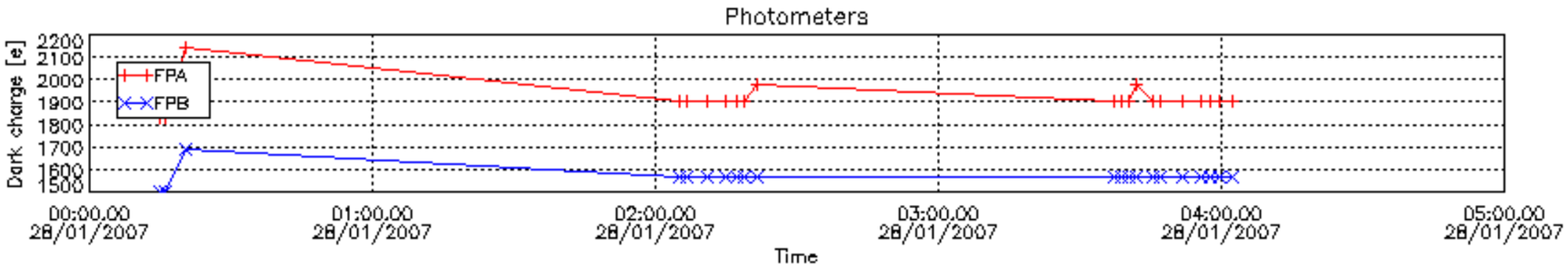

Spectrometers
var_temp_sp[C]
1.0
0.5
0.0
−0.5
−1.0
−1.5
−2.0
−2.5
−3.0
SPA CCD1
SPA CCD2
SPB CCD1
SPB CCD2
00:00.00
28/01/2007
01:00.00
28/01/2007
02:00.00
28/01/2007
03:00.00
28/01/2007
04:00.00
28/01/2007
05:00.00
28/01/2007
Time
Photometers
var_temp_fp [C]
5.0
4.5
4.0
3.5
3.0
FPA
FPB
00:00.00
28/01/2007
01:00.00
28/01/2007
02:00.00
28/01/2007
03:00.00
28/01/2007
04:00.00
28/01/2007
05:00.00
28/01/2007
Time

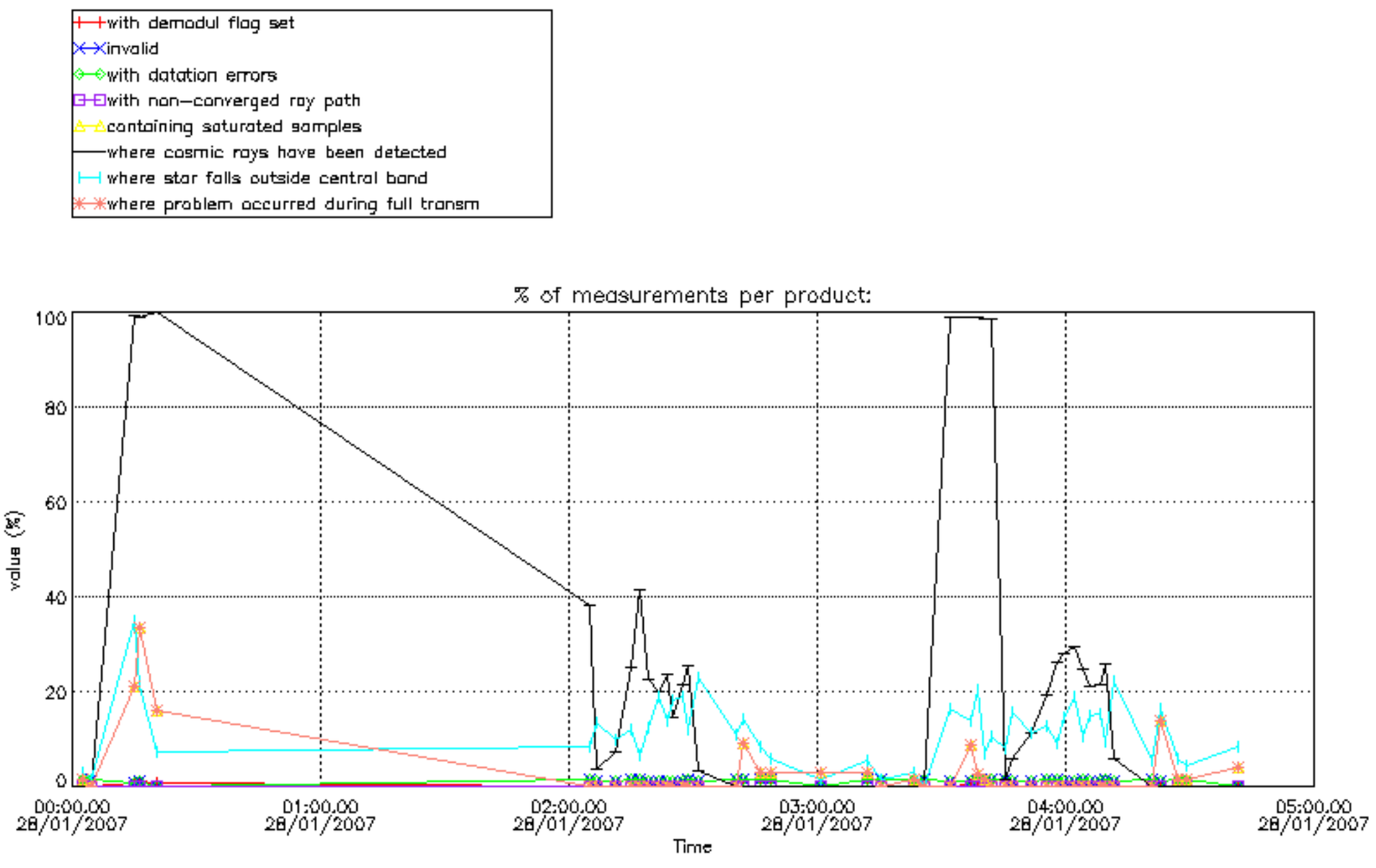

Spectrometer A CCD 1
Dark charge [e]
2300
2200
2100
2000
1900
1800
Upper
Middle
Lower
00:00.00
28/01/2007
01:00.00
28/01/2007
02:00.00
28/01/2007
03:00.00
28/01/2007
04:00.00
28/01/2007
05:00.00
28/01/2007
Time


Spectrometer A CCD 2
Dark charge [e]
2400
2350
2300
2250
2200
2150
2100
2050
2000
Upper
Middle
Lower
00:00.00
28/01/2007
01:00.00
28/01/2007
02:00.00
28/01/2007
03:00.00
28/01/2007
04:00.00
28/01/2007
05:00.00
28/01/2007
Time

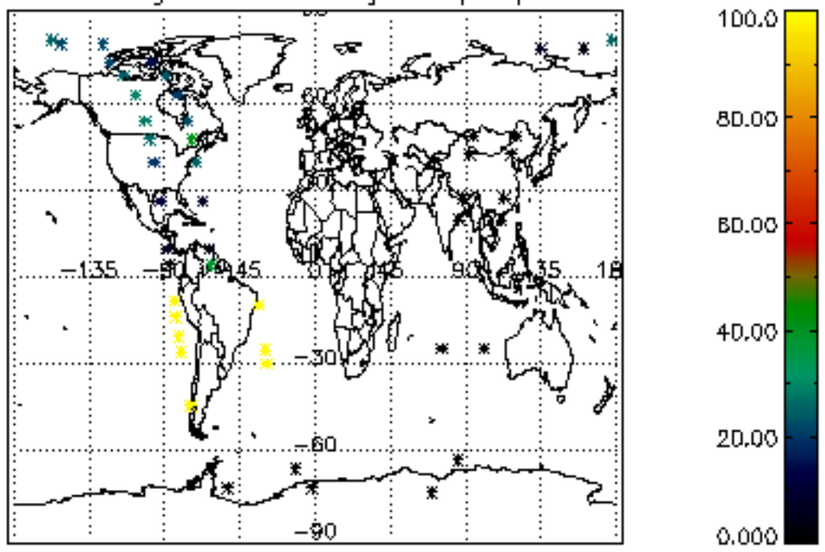

Spectrometer B CCD 1
Dark charge [e]
2800
2700
2600
2500
2400
2300
2200
Upper
Middle
Lower
00:00.00
28/01/2007
01:00.00
28/01/2007
02:00.00
28/01/2007
03:00.00
28/01/2007
04:00.00
28/01/2007
05:00.00
28/01/2007
Time


Spectrometer B CCD 2
Dark charge [e]
2600
2500
2400
2300
2200
2100
Upper
Middle
Lower
00:00.00
28/01/2007
01:00.00
28/01/2007
02:00.00
28/01/2007
03:00.00
28/01/2007
04:00.00
28/01/2007
05:00.00
28/01/2007
Time

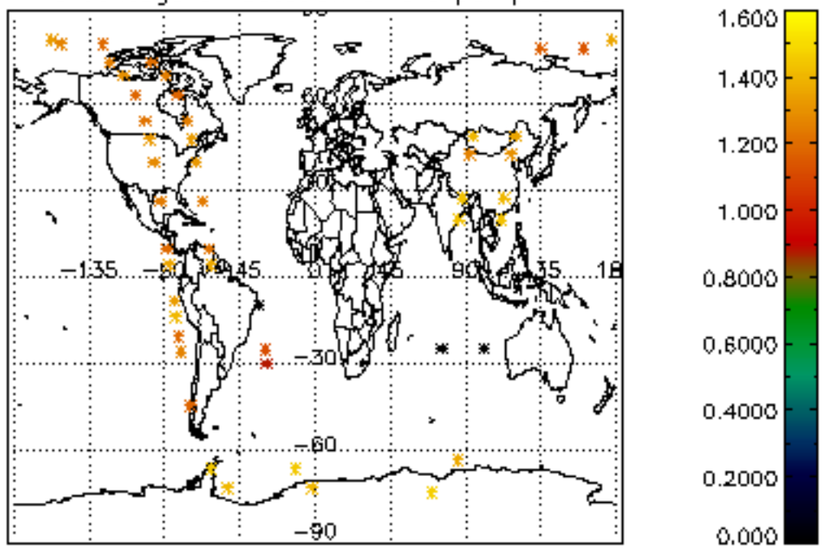

Photometers
Dark charge [e]
2200
2100
2000
1900
1800
1700
1600
1500
FPA
FPB
00:00.00
28/01/2007
01:00.00
28/01/2007
02:00.00
28/01/2007
03:00.00
28/01/2007
04:00.00
28/01/2007
05:00.00
28/01/2007
Time


with demodul flag set
invalid
with datation errors
with non-converged ray path
containing saturated samples
where cosmic rays have been detected
where star falls outside central band
where problem occurred during full transm
% of measurements per product:
value (%)
100
80
60
40
20
0
00:00.00 28/01/2007
01:00.00 28/01/2007
02:00.00 28/01/2007
03:00.00 28/01/2007
04:00.00 28/01/2007
05:00.00 28/01/2007
Time

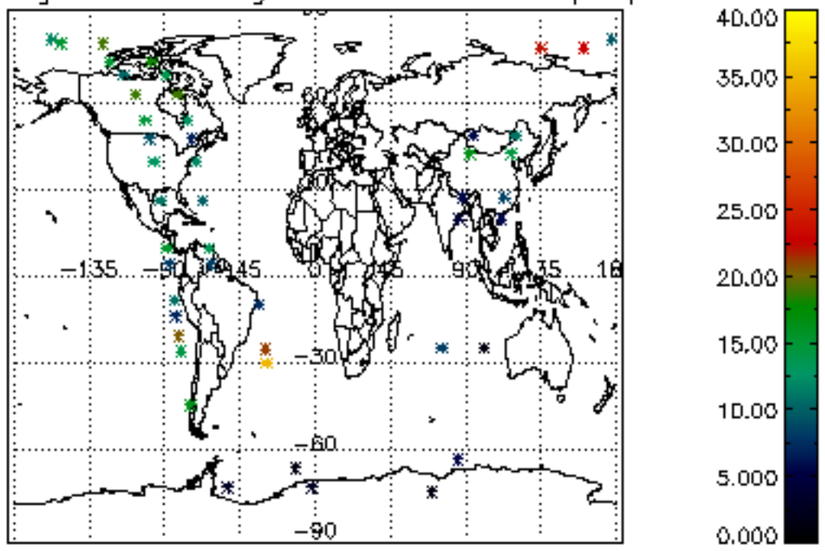
Percentage of cosmic ray hits per profile



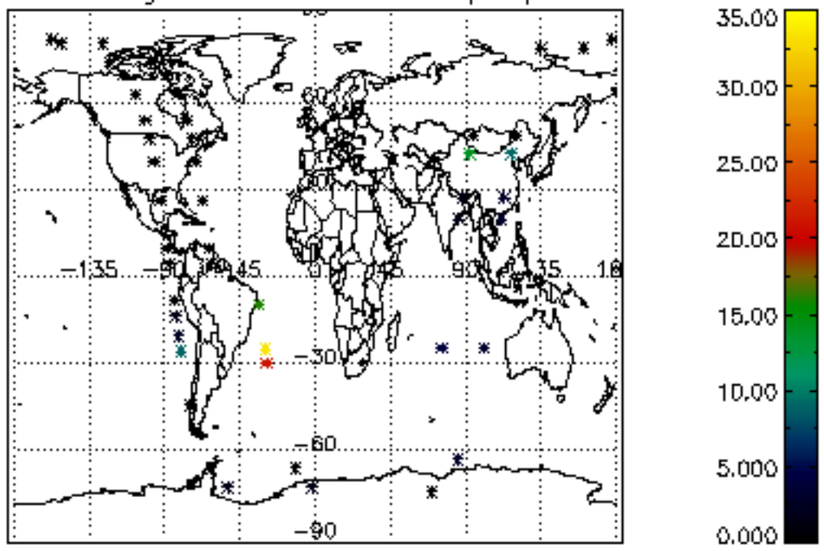
Percentage of datation errors per profile



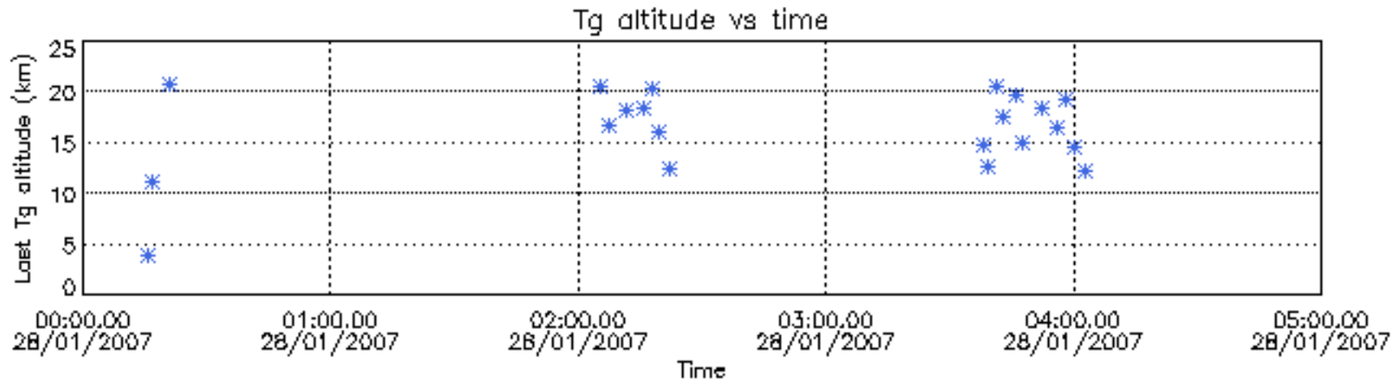
Percentage of star falling outside central band per profile

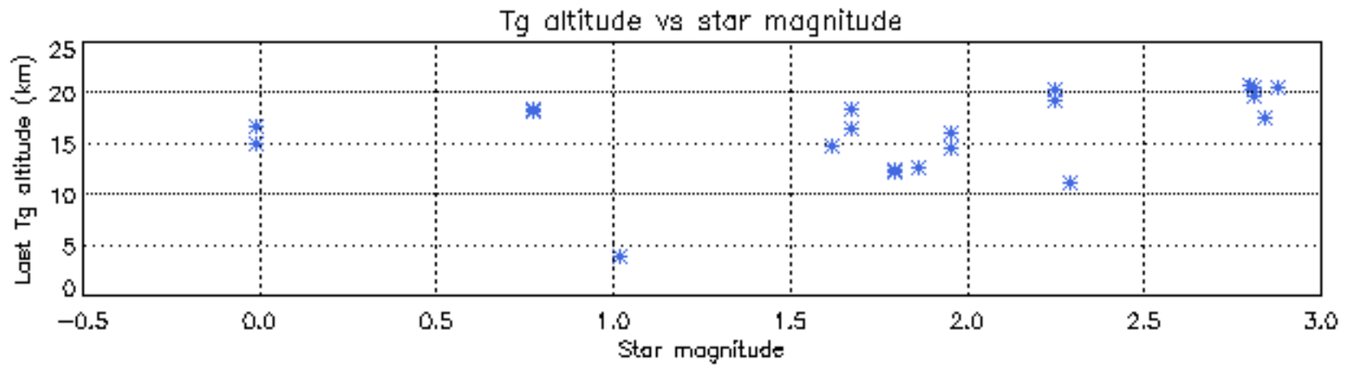


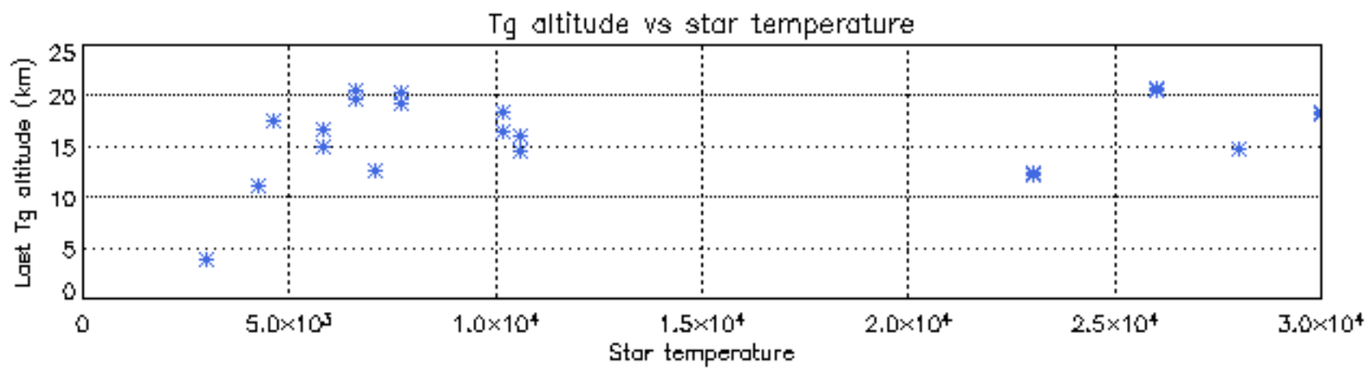
Percentage of saturation errors per profile



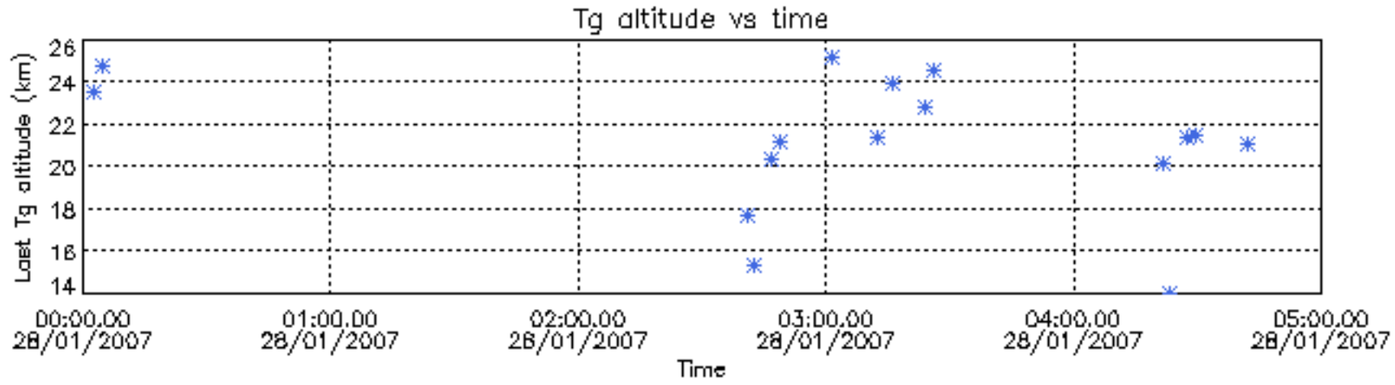
Tangent altitude at which the star is lost

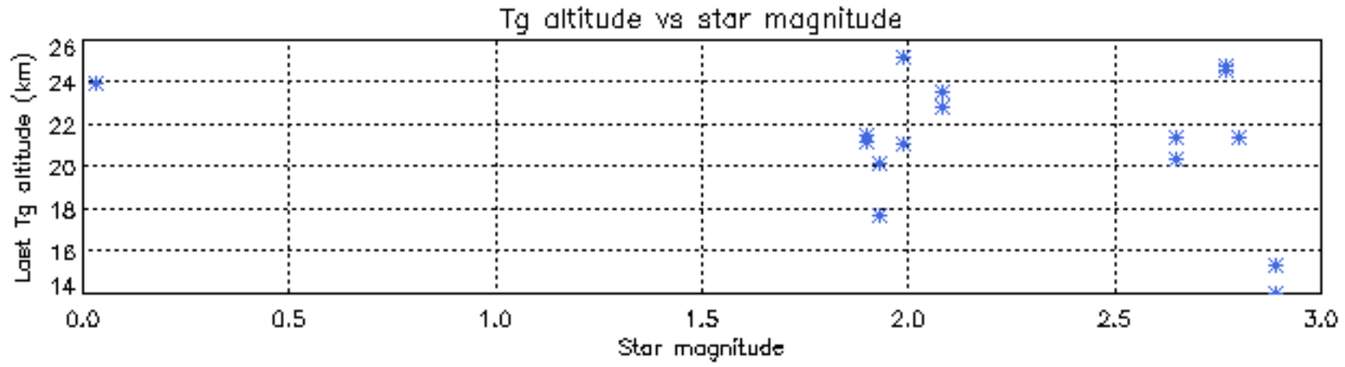


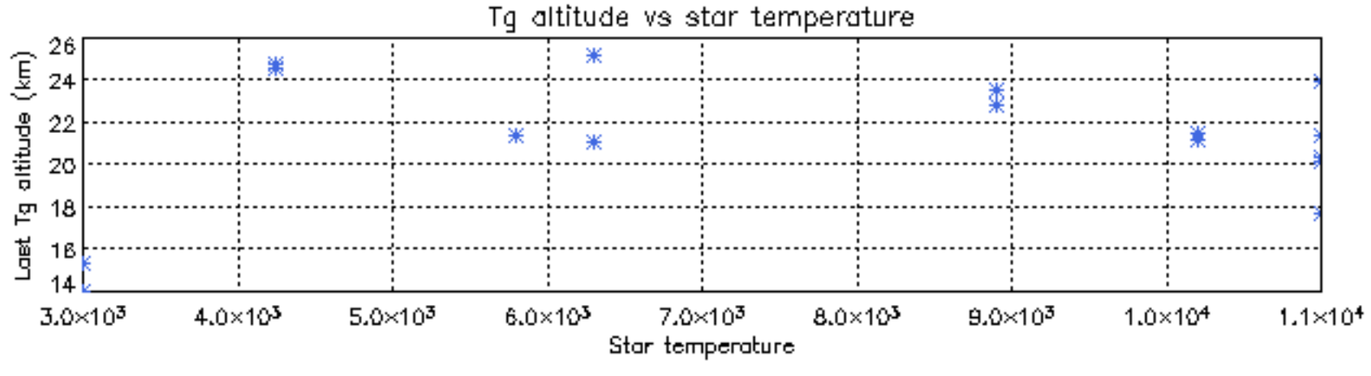


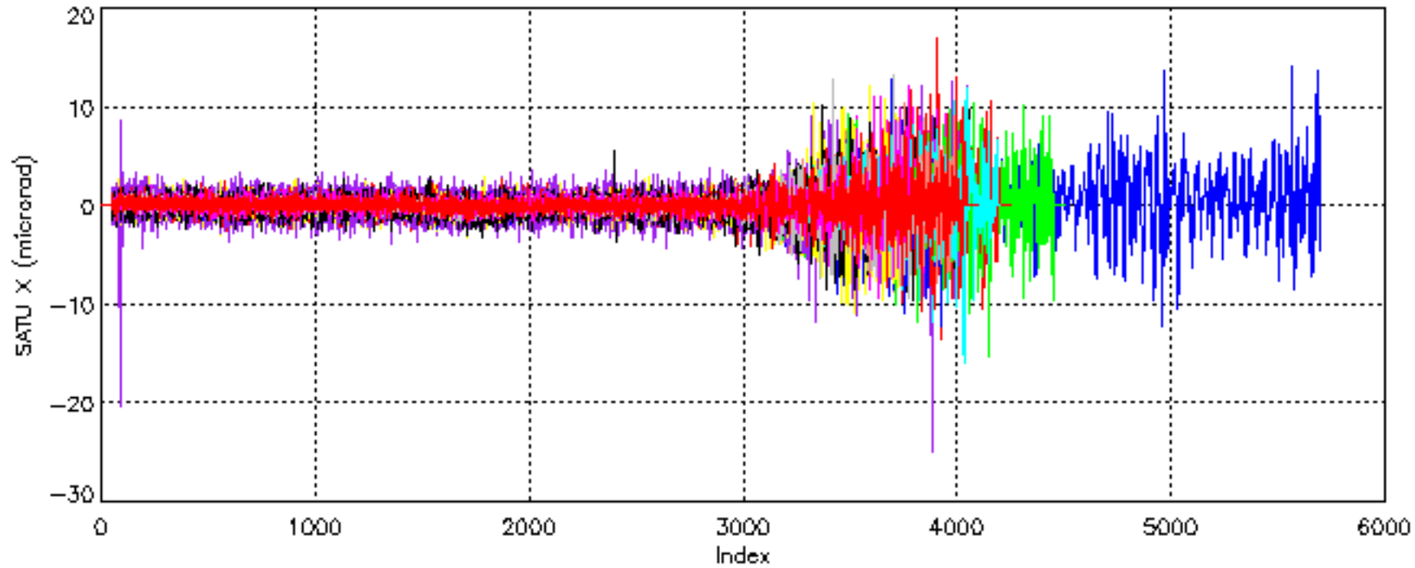


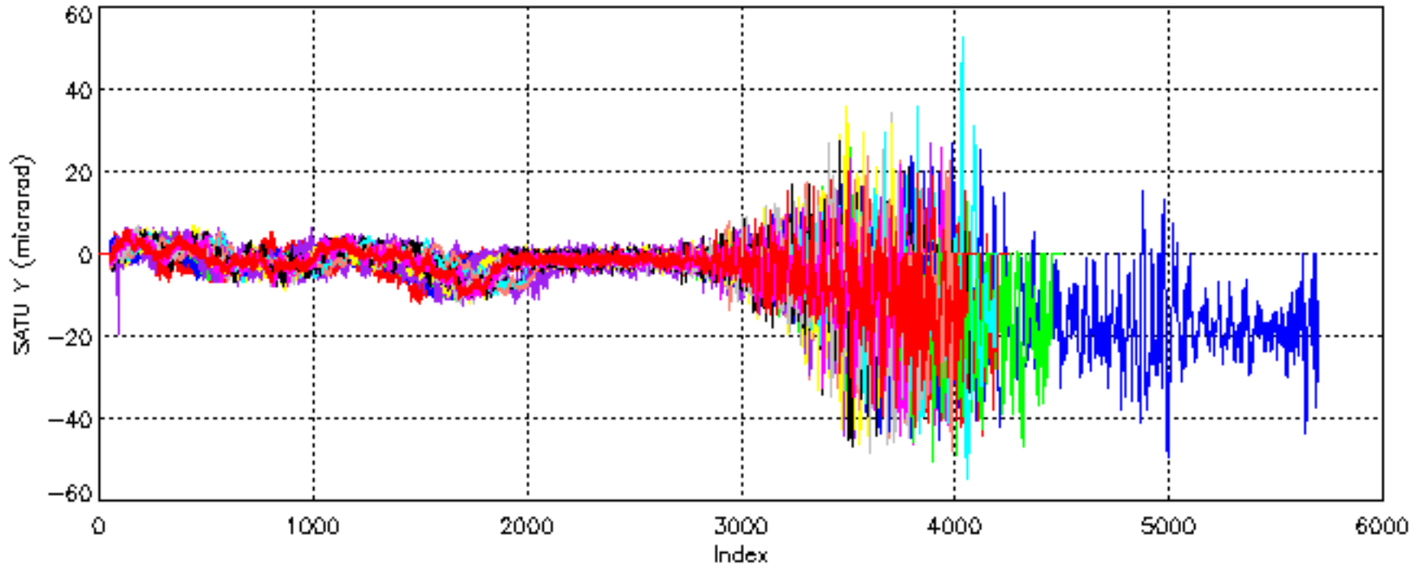
Tangent altitude at which the star is lost

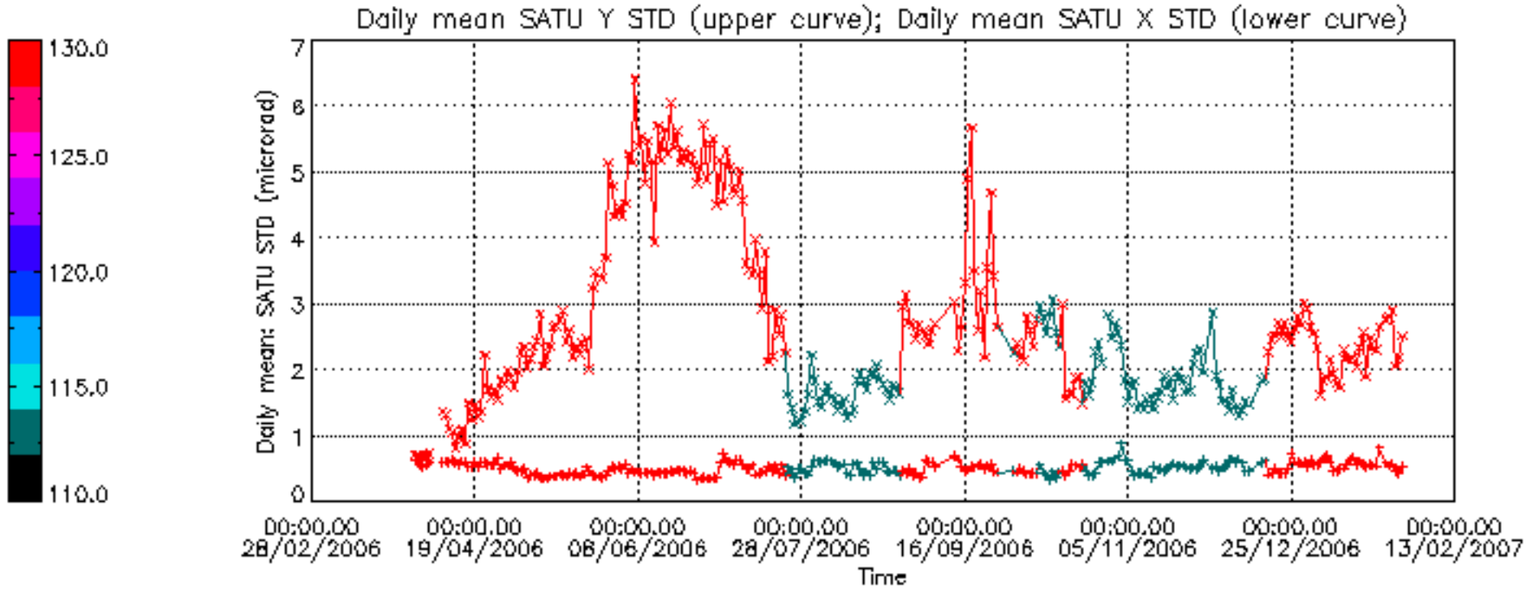







20
10
0
−10
−20
−30
SATU X (microrad)
0
1000
2000
3000
4000
5000
6000
Index


60
40
20
0
−20
−40
−60
S4TU Y (microrad)
0
1000
2000
3000
4000
5000
6000
Index


Daily mean SATU Y STD (upper curve); Daily mean SATU X STD (lower curve)
130.0
125.0
120.0
115.0
110.0
Daily mean: SATU STD [microrad]
0
1
2
3
4
5
6
7
00:00.00 28/02/2006
00:00.00 19/04/2006
00:00.00 08/06/2006
00:00.00 28/07/2006
00:00.00 16/09/2006
00:00.00 05/11/2006
00:00.00 25/12/2006
00:00.00 13/02/2007
Time

/nas3/ENVISAT/GOMOS/GOM_NL__0P/GOM_NL__0PNPDE20070101_010046_000043812054_00188_25292_2722.N1
1; -684.5; 01-JAN-2007 01:00:46; Dark ; 42.5; 122; 9Alp2Lib ; 2.75; 9700;occ; 85; 0;25292
2; -193.3; 01-JAN-2007 01:08:57; Dark ; 40.0; 78; Alp Lup ; 2.30; 28000;occ; 80; 0;25292
3; -105.1; 01-JAN-2007 01:10:25; Dark ; 40.0; 95; Zet Cen ; 2.55; 26000;occ; 80; 0;25292
4; 38.6; 01-JAN-2007 01:12:49; Dark ; 42.0; 10; Bet Cen ; 0.61; 28000;occ; 84; 0;25293
5; 228.2; 01-JAN-2007 01:15:58; Dark ; 49.0; 12; Alp1Cru ; 0.77; 30000;occ; 98; 0;25293
6; 429.2; 01-JAN-2007 01:19:19; Dark ; 38.5; 124; The Car ; 2.76; 30000;occ; 77; 0;25293
7; 546.4; 01-JAN-2007 01:21:17; Dark ; 39.0; 29; Bet Car ; 1.67; 10200;occ; 78; 0;25293
8; 629.3; 01-JAN-2007 01:22:40; Dark ; 39.5; 71; Iot Car ; 2.25; 7700;occ; 79; 0;25293
9; 731.4; 01-JAN-2007 01:24:22; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;25293
10; 978.2; 01-JAN-2007 01:28:28; Dark ; 52.5; 2; Alp Car ;-0.74; 7000;occ; 105; 0;25293
11; 1171.6; 01-JAN-2007 01:31:42; Dark ; 47.0; 117; Pi Pup ; 2.71; 3800;occ; 94; 0;25293
12; 1340.2; 01-JAN-2007 01:34:30; Dark ; 47.0; 23; 21Eps CMa ; 1.50; 26000;occ; 94; 0;25293
13; 1569.2; 01-JAN-2007 01:38:19; Dark ; 43.0; 47; 2Bet CMa ; 1.98; 28000;occ; 86; 0;25293
14; 1769.4; 01-JAN-2007 01:41:40; Dark ; 45.0; 7; 19Bet Ori ; 0.10; 14000;occ; 90; 0;25293
15; 1881.5; 01-JAN-2007 01:43:32; Dark ; 42.5; 30; 46Eps Ori ; 1.69; 30000;occ; 85; 0;25293
16; 2033.3; 01-JAN-2007 01:46:04; Dark ; 52.5; 14; 58Alp Ori ; 0.87; 3000;occ; 105; 0;25293
17; 2271.5; 01-JAN-2007 01:50:02; Bright; 37.5; 176; 23Zet Tau ; 3.02; 22000;occ; 75; 0;25293
18; 2397.8; 01-JAN-2007 01:52:08; Bright; 38.5; 28; 12Bet Tau ; 1.65; 15200;occ; 77; 0;25293
19; 2472.5; 01-JAN-2007 01:53:23; Bright; 38.0; 114; 3Iot Aur ; 2.69; 4600;occ; 76; 0;25293
20; 2568.2; 01-JAN-2007 01:54:58; Bright; 37.5; 107; 37The Aur ; 2.65; 11000;occ; 75; 0;25293
21; 2693.1; 01-JAN-2007 01:57:03; Bright; 41.0; 6; 13Alp Aur ; 0.08; 3400;occ; 82; 0;25293
22; 3423.2; 01-JAN-2007 02:09:13; Bright; 34.0; 49; 1Alp UMi ; 1.99; 6300;occ; 68; 0;25293
23; 3691.3; 01-JAN-2007 02:13:42; Bright; 5.5; 60; 7Bet UMi ; 2.08; 3950;occ; 11; 0;25293
/nas3/ENVISAT/GOMOS/GOM_NL__0P/GOM_NL__0PNPDE20070101_021342_000058022054_00189_25293_2723.N1
1;-2344.6; 01-JAN-2007 02:13:42; Bright; 37.5; 60; 7Bet UMi ; 2.08; 3950;occ; 75; 0;25293
2;-2114.0; 01-JAN-2007 02:17:32; Bright; 36.0; 119; 14Eta Dra ; 2.73; 4700;occ; 72; 0;25293
3;-1490.4; 01-JAN-2007 02:27:56; Bright; 37.0; 67; 5Alp CrB ; 2.22; 11000;occ; 74; 0;25293
4;-1146.0; 01-JAN-2007 02:33:40; Bright; 35.5; 102; 24Alp Ser ; 2.60; 4250;occ; 71; 0;25293
5; -842.6; 01-JAN-2007 02:38:44; Bright; 37.0; 104; 27Bet Lib ; 2.61; 13100;occ; 74; 0;25293
6; -281.2; 01-JAN-2007 02:48:05; Dark ; 38.0; 109; Bet Lup ; 2.68; 26000;occ; 76; 0;25293
7; -192.8; 01-JAN-2007 02:49:33; Dark ; 37.5; 78; Alp Lup ; 2.30; 28000;occ; 75; 0;25293
8; -104.3; 01-JAN-2007 02:51:02; Dark ; 39.0; 95; Zet Cen ; 2.55; 26000;occ; 78; 0;25293
9; 39.0; 01-JAN-2007 02:53:25; Dark ; 46.5; 10; Bet Cen ; 0.61; 28000;occ; 93; 0;25294
10; 228.9; 01-JAN-2007 02:56:35; Dark ; 41.5; 12; Alp1Cru ; 0.77; 30000;occ; 83; 0;25294
11; 429.7; 01-JAN-2007 02:59:56; Dark ; 38.5; 124; The Car ; 2.76; 30000;occ; 77; 0;25294
12; 547.0; 01-JAN-2007 03:01:53; Dark ; 38.5; 29; Bet Car ; 1.67; 10200;occ; 77; 0;25294
13; 629.9; 01-JAN-2007 03:03:16; Dark ; 41.5; 71; Iot Car ; 2.25; 7700;occ; 83; 0;25294
14; 732.0; 01-JAN-2007 03:04:58; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;25294
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26; 2693.1; 01-JAN-2007 03:37:39; Bright; 39.0; 6; 13Alp Aur ; 0.08; 3400;occ; 78; 0;25294
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   8; 2270.4; 01-JAN-2007 20:16:36; Bright;  38.0;  176; 23Zet Tau  ; 3.02; 22000;occ;  76;   0;25304
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  10; 2472.8; 01-JAN-2007 20:19:58; Bright;  36.5;  114;  3Iot Aur  ; 2.69;  4600;occ;  73;   0;25304
  11; 2565.1; 01-JAN-2007 20:21:31; Bright;  37.5;  107; 37The Aur  ; 2.65; 11000;occ;  75;   0;25304
  12; 2692.1; 01-JAN-2007 20:23:38; Bright;  40.0;    6; 13Alp Aur  ; 0.08;  3400;occ;  80;   0;25304
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