GOMOS Daily Report 05-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.

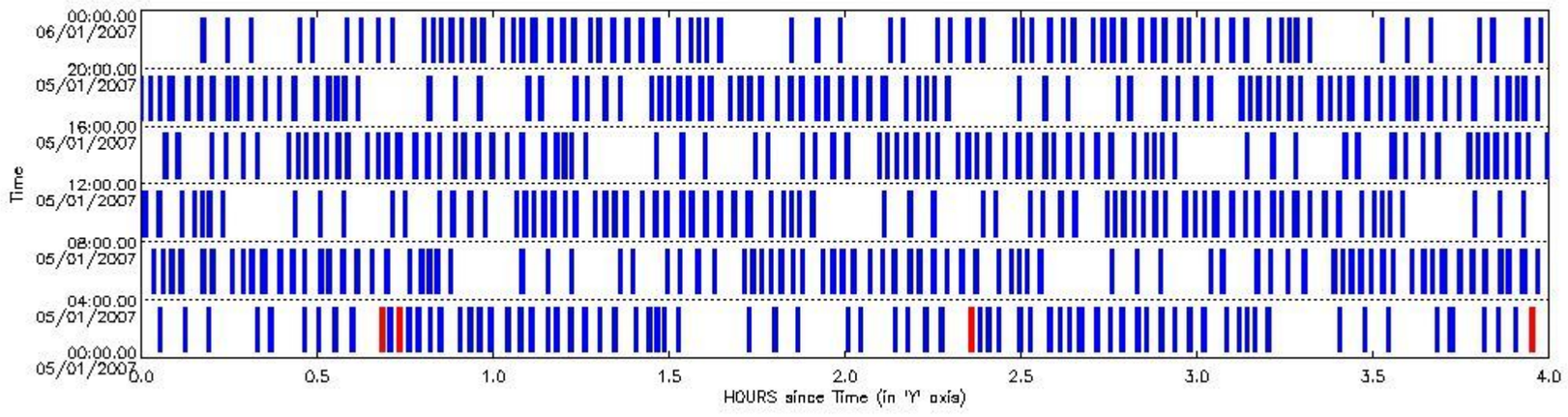
Item	Value
Time of report generation	11JAN2007 12:40:57
Data source version	GOMOS/5.00
Start time of products	05-01-2007 (05JAN2007 00:00:00)
Stop time of products	06-01-2007 (06JAN2007 00:00:00)
Store outputs in DB	Yes
Nb of level 1b prods	49
Nb of prods with errors	0

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)

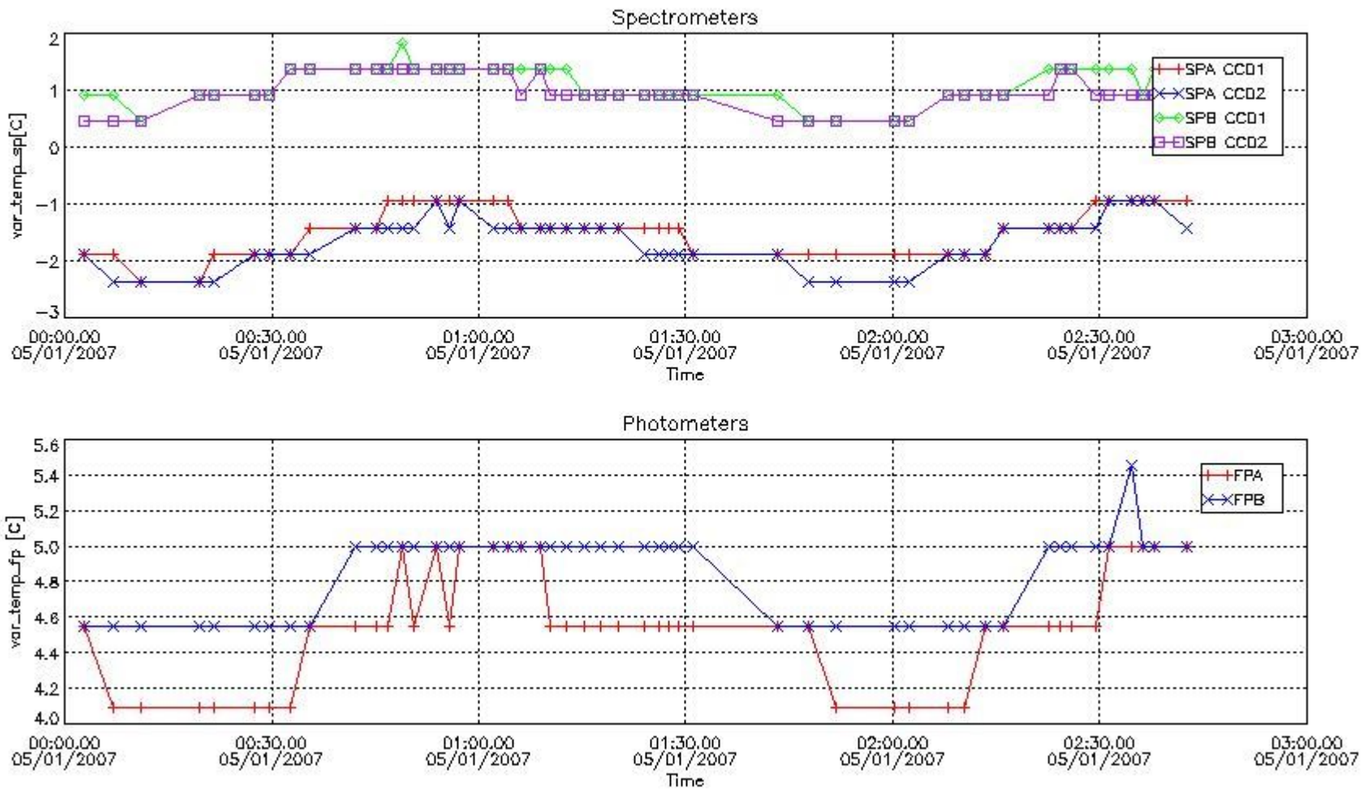
UTC start time	Star name	Star ID	Orbit
05-JAN-2007 00:40:30	GamLup	131	25349
05-JAN-2007 00:43:25	AlpLup	78	25349
05-JAN-2007 02:21:06	GamLup	131	25350
05-JAN-2007 03:56:36	9Alp2Lib	122	25351

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_1PNPDE20070105_000245_000000332054_00245_25349_3372.N1	05-JAN-2007 00:02:45	Bright	32.500	49	1Alp UMi	1.9900	6300.0	65	25349	No
2	GOM_TRA_1PNPDE20070105_000707_000000372054_00245_25349_3373.N1	05-JAN-2007 00:07:07	Bright	37.000	60	7Bet UMi	2.0810	3950.0	74	25349	No
3	GOM_TRA_1PNPDE20070105_001105_000000352054_00245_25349_3374.N1	05-JAN-2007 00:11:05	Bright	34.500	119	14Eta Dra	2.7270	4700.0	69	25349	No
4	GOM_TRA_1PNPDE20070105_001932_000000342054_00245_25349_3375.N1	05-JAN-2007 00:19:32	Bright	33.500	133	40Zet Her	2.8070	6000.0	67	25349	No
5	GOM_TRA_1PNPDE20070105_002137_000000512054_00245_25349_3376.N1	05-JAN-2007 00:21:37	Bright	51.000	67	5Alp CrB	2.2210	11000.	102	25349	No
6	GOM_TRA_1PNPDE20070105_002729_000000372054_00245_25349_3377.N1	05-JAN-2007 00:27:29	Bright	36.500	102	24Alp Ser	2.6000	4250.0	73	25349	No
7	GOM_TRA_1PNPDE20070105_002945_000000352054_00245_25349_3378.N1	05-JAN-2007 00:29:45	Bright	34.500	120	1Del Oph	2.7340	3200.0	69	25349	No

8	GOM_TRA_1PNPDE20070105_003242_000000402054_00245_25349_3379.N1	05-JAN-2007 00:32:42	Bright	40.000	104	27Bet Lib	2.6140	13100.	80	25349	No
9	GOM_TRA_1PNPDE20070105_003529_000000462054_00245_25349_3490.N1	05-JAN-2007 00:35:29	Twi_and_stray	45.500	122	9Alp2Lib	2.7470	9700.0	91	25349	No
10	GOM_TRA_1PNPDE20070105_004202_000000382054_00245_25349_3491.N1	05-JAN-2007 00:42:02	Dark	38.000	109	Bet Lup	2.6770	26000.	76	25349	No
11	GOM_TRA_1PNPDE20070105_004509_000000432054_00245_25349_3492.N1	05-JAN-2007 00:45:09	Dark	42.500	95	Zet Cen	2.5450	26000.	85	25349	No
12	GOM_TRA_1PNPDE20070105_004651_000000402054_00246_25350_3493.N1	05-JAN-2007 00:46:51	Dark	40.000	77	Eps Cen	2.3030	28000.	80	25350	No
13	GOM_TRA_1PNPDE20070105_004849_000000442054_00246_25350_3494.N1	05-JAN-2007 00:48:49	Dark	43.500	64	Gam Cen	2.2000	10600.	87	25350	No
14	GOM_TRA_1PNPDE20070105_005035_000000422054_00246_25350_3495.N1	05-JAN-2007 00:50:35	Dark	42.000	12	Alp1Cru	0.77500	30000.	84	25350	No
15	GOM_TRA_1PNPDE20070105_005356_000000382054_00246_25350_3496.N1	05-JAN-2007 00:53:56	Dark	38.000	124	The Car	2.7640	30000.	76	25350	No
16	GOM_TRA_1PNPDE20070105_005544_000000382054_00246_25350_3497.N1	05-JAN-2007 00:55:44	Dark	38.000	29	Bet Car	1.6720	10200.	76	25350	No
17	GOM_TRA_1PNPDE20070105_005717_000000412054_00246_25350_3498.N1	05-JAN-2007 00:57:17	Dark	40.500	71	Iot Car	2.2460	7700.0	81	25350	No
18	GOM_TRA_1PNPDE20070105_010201_000000452054_00246_25350_3499.N1	05-JAN-2007 01:02:01	Dark	45.000	34	Gam2Vel	1.7930	23000.	90	25350	No
19	GOM_TRA_1PNPDE20070105_010412_000000472054_00246_25350_3500.N1	05-JAN-2007 01:04:12	Dark	46.500	70	Zet Pup	2.2460	39000.	93	25350	No
20	GOM_TRA_1PNPDE20070105_010609_000000472054_00246_25350_3501.N1	05-JAN-2007 01:06:09	Dark	47.000	117	Pi Pup	2.7060	3800.0	94	25350	No
21	GOM_TRA_1PNPDE20070105_010853_000000462054_00246_25350_3502.N1	05-JAN-2007 01:08:53	Straylight	46.000	23	21Eps CMa	1.5020	26000.	92	25350	No
22	GOM_TRA_1PNPDE20070105_011023_000000442054_00246_25350_3503.N1	05-JAN-2007 01:10:23	Straylight	43.500	179	24Omi2CMa	3.0320	24000.	87	25350	No
23	GOM_TRA_1PNPDE20070105_011246_000000512054_00246_25350_3504.N1	05-JAN-2007 01:12:46	Straylight	51.000	1	9Alp CMa	-1.4400	11000.	102	25350	No
24	GOM_TRA_1PNPDE20070105_011514_000000412054_00246_25350_3505.N1	05-JAN-2007 01:15:14	Straylight	41.000	56	53Kap Ori	2.0650	30000.	82	25350	No
25	GOM_TRA_1PNPDE20070105_011743_000000432054_00246_25350_3506.N1	05-JAN-2007 01:17:43	Straylight	43.000	30	46Eps Ori	1.6940	30000.	86	25350	No
26	GOM_TRA_1PNPDE20070105_012009_000000502054_00246_25350_3507.N1	05-JAN-2007 01:20:09	Twi_and_stray	50.000	14	58Alp Ori	0.87000	3000.0	100	25350	No
27	GOM_TRA_1PNPDE20070105_012406_000000352054_00246_25350_3508.N1	05-JAN-2007 01:24:06	Bright	35.000	176	23Zet Tau	3.0200	22000.	70	25350	No
28	GOM_TRA_1PNPDE20070105_012612_000000382054_00246_25350_3509.N1	05-JAN-2007 01:26:12	Bright	37.500	28	12Bet Tau	1.6500	15200.	75	25350	No
29	GOM_TRA_1PNPDE20070105_012733_000000372054_00246_25350_3510.N1	05-JAN-2007 01:27:33	Bright	37.000	114	3Iot Aur	2.6930	4600.0	74	25350	No
30	GOM_TRA_1PNPDE20070105_012853_000000372054_00246_25350_3511.N1	05-JAN-2007 01:28:53	Bright	37.000	107	37The Aur	2.6490	11000.	74	25350	No
31	GOM_TRA_1PNPDE20070105_013107_000000422054_00246_25350_3512.N1	05-JAN-2007 01:31:07	Bright	42.000	6	13Alp Aur	0.080000	3400.0	84	25350	No
32	GOM_TRA_1PNPDE20070105_014321_000000332054_00246_25350_3513.N1	05-JAN-2007 01:43:21	Bright	33.000	49	1Alp UMi	1.9900	6300.0	66	25350	No
33	GOM_TRA_1PNPDE20070105_014742_000000382054_00246_25350_3514.N1	05-JAN-2007 01:47:42	Bright	37.500	60	7Bet UMi	2.0810	3950.0	75	25350	No
34	GOM_TRA_1PNPDE20070105_015141_000000352054_00246_25350_3515.N1	05-JAN-2007 01:51:41	Bright	34.500	119	14Eta Dra	2.7270	4700.0	69	25350	No
35	GOM_TRA_1PNPDE20070105_020008_000000362054_00246_25350_3516.N1	05-JAN-2007 02:00:08	Bright	35.500	133	40Zet Her	2.8070	6000.0	71	25350	No
36	GOM_TRA_1PNPDE20070105_020214_000000392054_00246_25350_3517.N1	05-JAN-2007 02:02:14	Bright	38.500	67	5Alp CrB	2.2210	11000.	77	25350	No
37	GOM_TRA_1PNPDE20070105_020805_000000372054_00246_25350_3518.N1	05-JAN-2007 02:08:05	Bright	36.500	102	24Alp Ser	2.6000	4250.0	73	25350	No
38	GOM_TRA_1PNPDE20070105_021021_000000342054_00246_25350_3638.N1	05-JAN-2007 02:10:21	Bright	34.000	120	1Del Oph	2.7340	3200.0	68	25350	No
39	GOM_TRA_1PNPDE20070105_021318_000000422054_00246_25350_3639.N1	05-JAN-2007 02:13:18	Bright	41.500	104	27Bet Lib	2.6140	13100.	83	25350	No
40	GOM_TRA_1PNPDE20070105_021606_000000432054_00246_25350_3640.N1	05-JAN-2007 02:16:06	Twi_and_stray	43.000	122	9Alp2Lib	2.7470	9700.0	86	25350	No
41	GOM_TRA_1PNPDE20070105_022238_000000382054_00246_25350_3641.N1	05-JAN-2007 02:22:38	Dark	38.000	109	Bet Lup	2.6770	26000.	76	25350	No
42	GOM_TRA_1PNPDE20070105_022408_000000382054_00246_25350_3642.N1	05-JAN-2007 02:24:08	Dark	38.000	78	Alp Lup	2.3040	28000.	76	25350	No
43	GOM_TRA_1PNPDE20070105_022545_000000422054_00246_25350_3643.N1	05-JAN-2007 02:25:45	Dark	41.500	95	Zet Cen	2.5450	26000.	83	25350	No
44	GOM_TRA_1PNPDE20070105_022926_000000442054_00247_25351_3644.N1	05-JAN-2007 02:29:26	Dark	44.000	64	Gam Cen	2.2000	10600.	88	25351	No
45	GOM_TRA_1PNPDE20070105_023112_000000412054_00247_25351_3645.N1	05-JAN-2007 02:31:12	Dark	41.000	12	Alp1Cru	0.77500	30000.	82	25351	No
46	GOM_TRA_1PNPDE20070105_023433_000000372054_00247_25351_3646.N1	05-JAN-2007 02:34:33	Dark	37.000	124	The Car	2.7640	30000.	74	25351	No
47	GOM_TRA_1PNPDE20070105_023620_000000382054_00247_25351_3647.N1	05-JAN-2007 02:36:20	Dark	37.500	29	Bet Car	1.6720	10200.	75	25351	No
48	GOM_TRA_1PNPDE20070105_023753_000000422054_00247_25351_3648.N1	05-JAN-2007 02:37:53	Dark	41.500	71	Iot Car	2.2460	7700.0	83	25351	No
49	GOM_TRA_1PNPDE20070105_024237_000000442054_00247_25351_3649.N1	05-JAN-2007 02:42:37	Dark	44.000	34	Gam2Vel	1.7930	23000.	88	25351	No

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

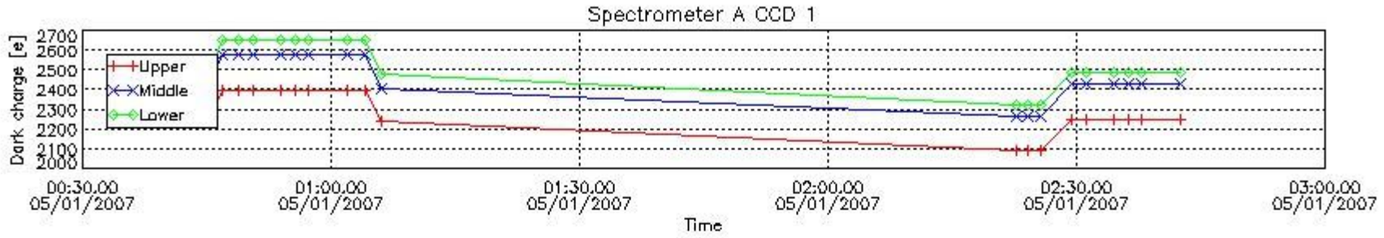


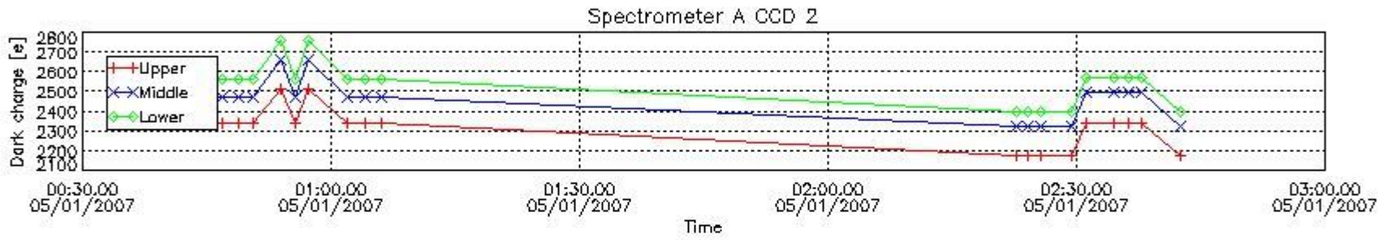
4. Overview of dark signal processing per product

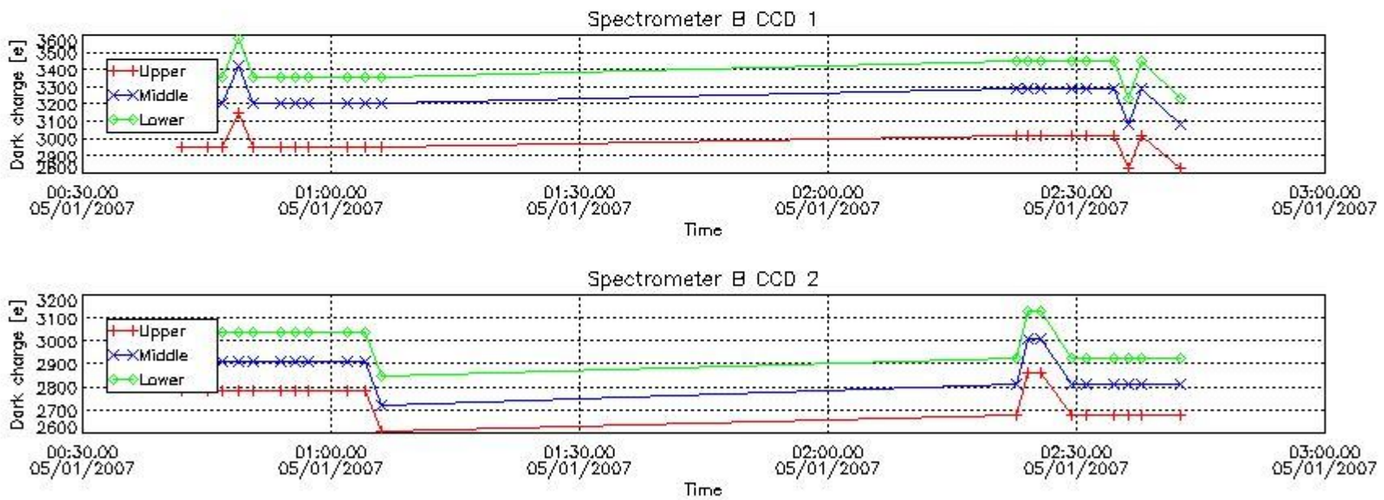
The Dark Charge (DC) is a temperature-dependant signal added to the useful measurements and it is therefore substracted from them during the processing. There are two phenomena that produce a continuous increase of the DC: the "hot pixels" (a pixel is "hot" when its DC exceeds by a significant amount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

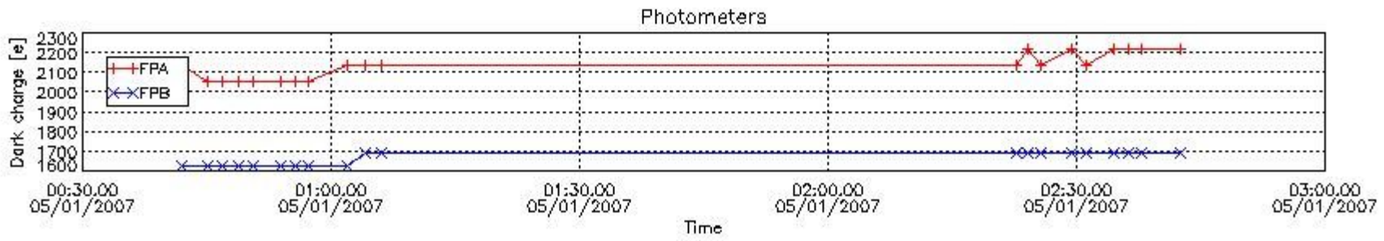
4.1 All products used the DSA observation for the DC computation

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









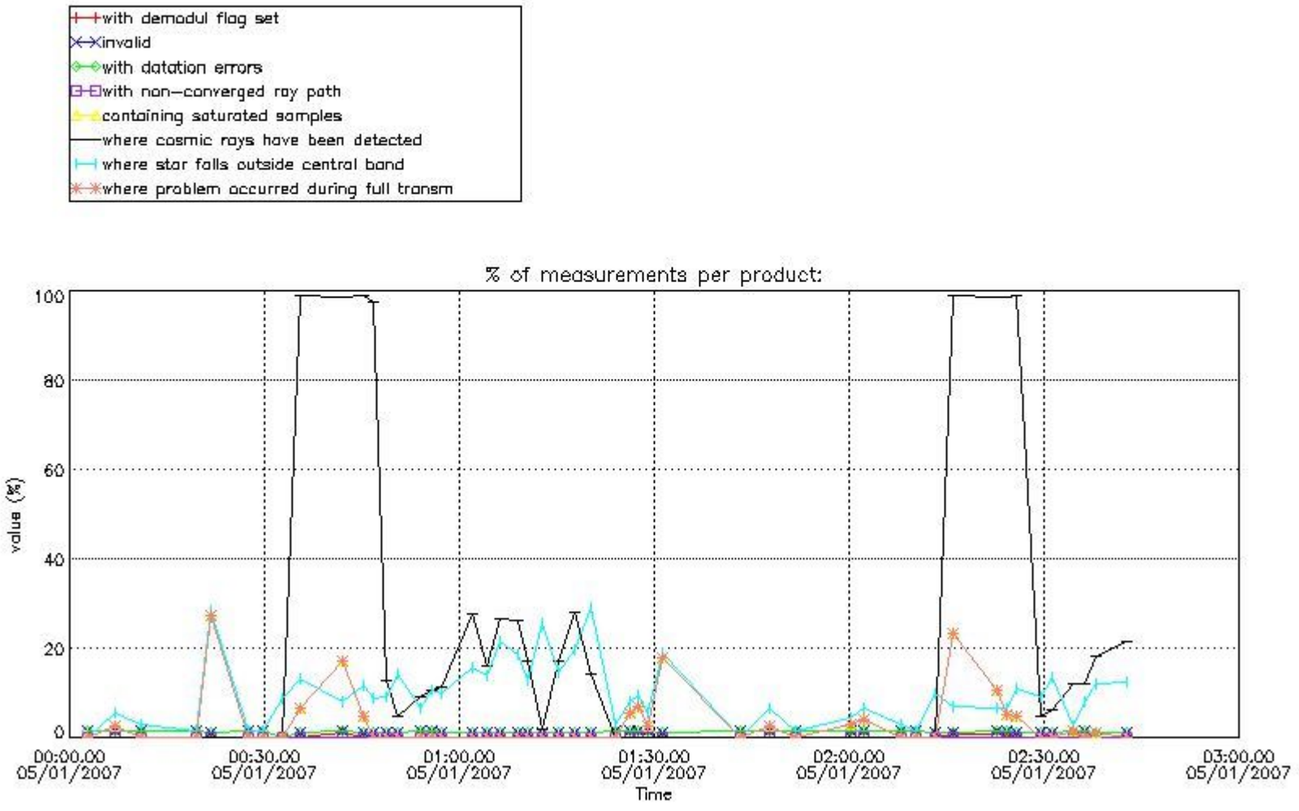
5. Demodulation flag and quality information monitoring

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.

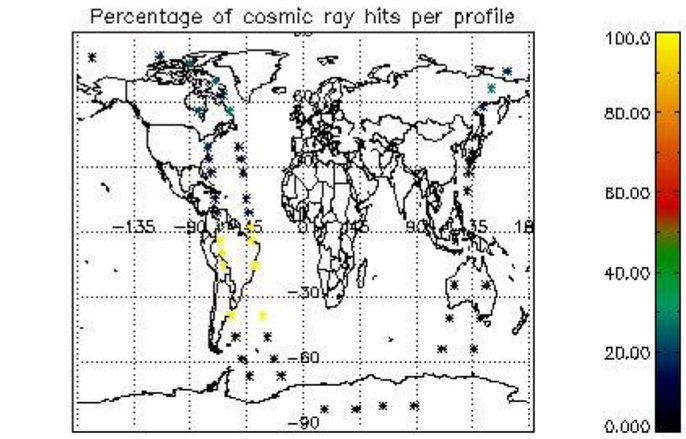
5.1 Percentage of products during reporting period with:

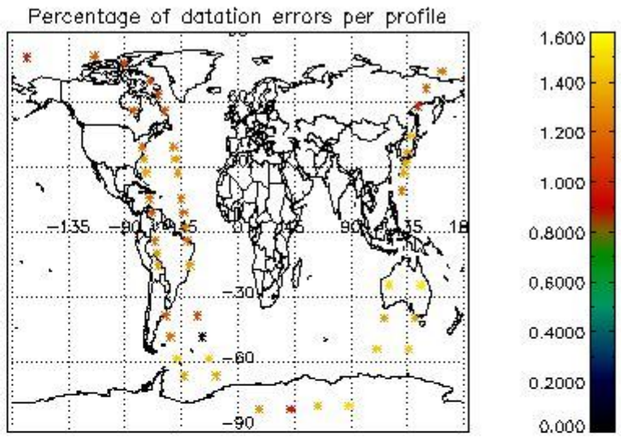
At least one measurement with demodulation flag set:	22.4490 %
Reference spectrum computed from DB:	0.00000 %
Reference spectrum with small number of measurements:	0.00000 %
SATU data not used:	0.00000 %

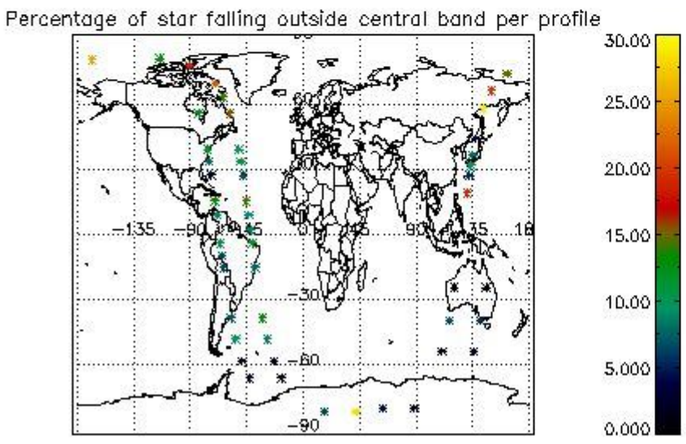
5.2 Plot quality information per product (time dependant)

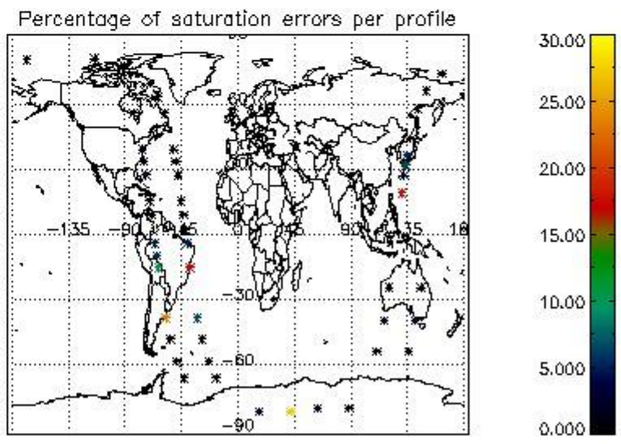


5.3 Plot quality information per product (world map)









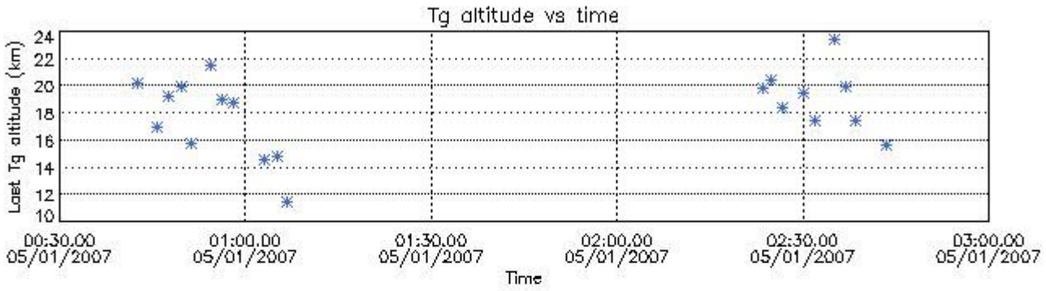
6. Statistics and plot of tangent altitude of the last measurement (DARK & BRIGHT products without errors)

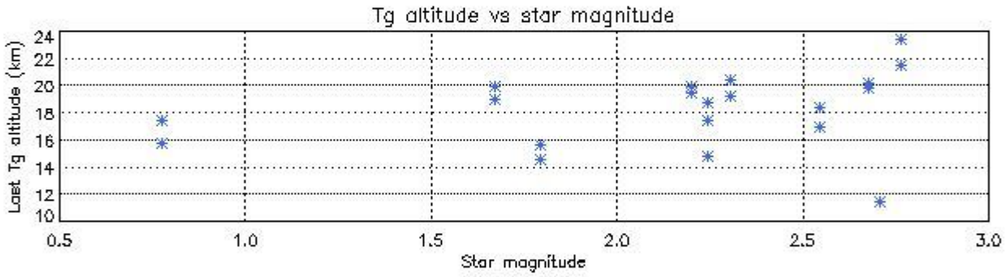
6.1 Statistics on tangent altitude lost:

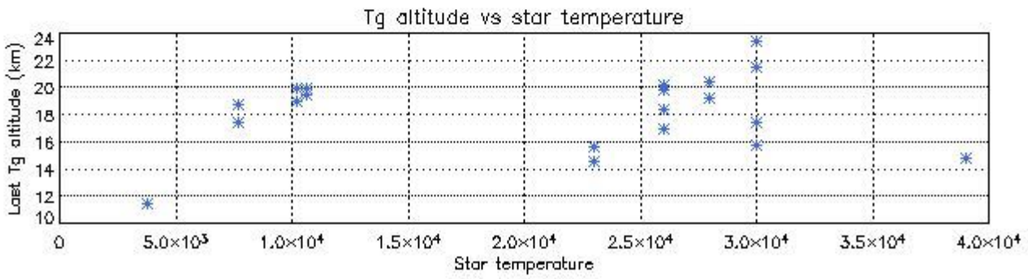
Statistics	DARK	BRIGHT	TWILIGHT
Mean:	18.190	21.385	NaN
St. deviation:	2.7518	4.8634	NaN
Maximum:	23.348	28.527	NaN
Minimum:	11.450	7.7182	NaN
Number of data:	20.000	21.000	NaN

6.2 Plot for DARK limb products

Tangent altitude at which the star is lost

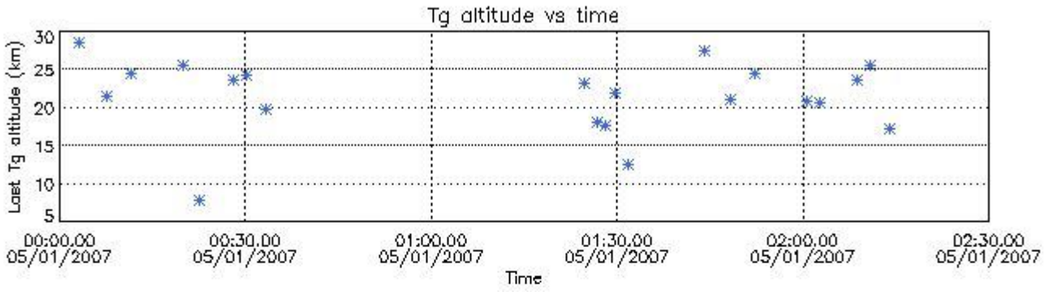


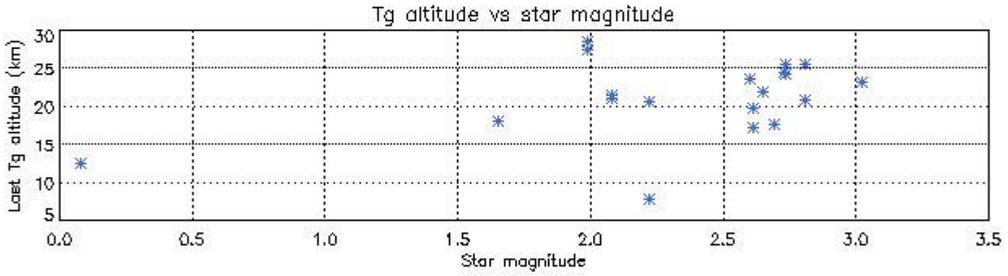


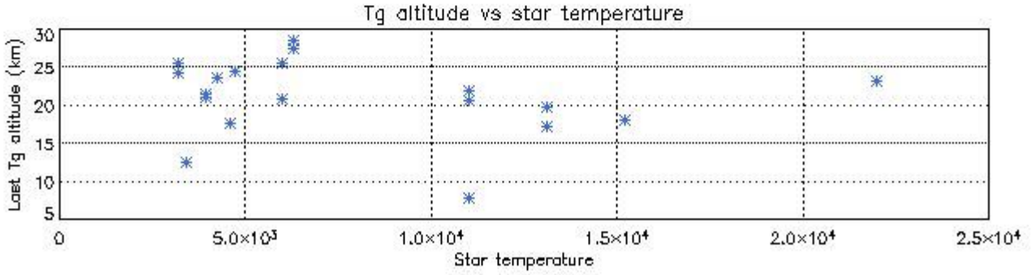


6.3 Plot for BRIGHT limb products

Tangent altitude at which the star is lost





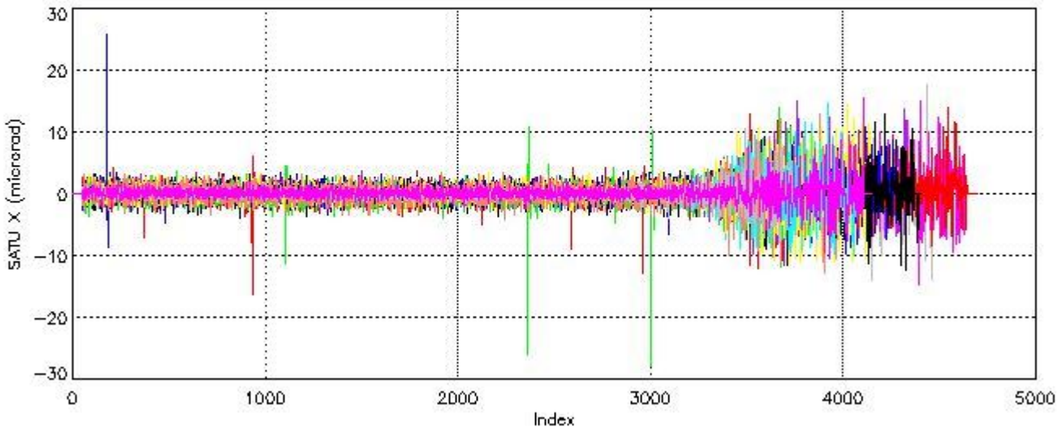


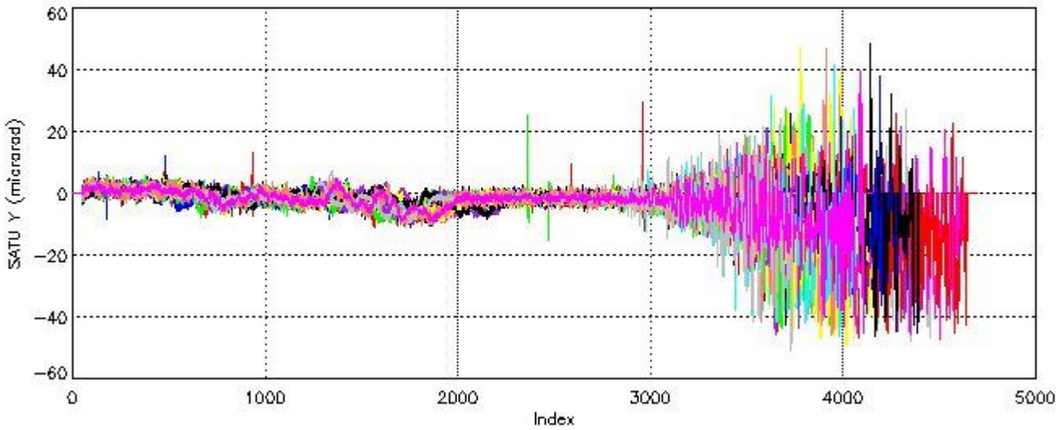
7. Star Acquisition and Tracking Unit (SATU)

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:	0.16057	0.083153	0.066839	-0.86587
St. deviation:	0.68323	1.8758	0.70427	1.8420
Maximum:	4.2000	12.000	4.2000	6.9000
Minimum:	-7.2000	-8.0000	-4.6000	-7.7000

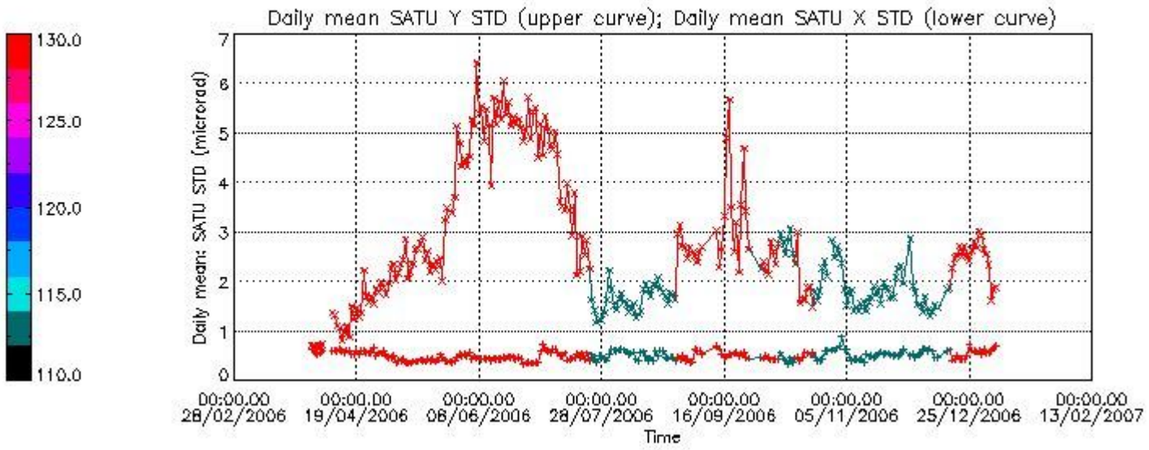
Number of data:	19200.	19200.	17950.	17950.

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.

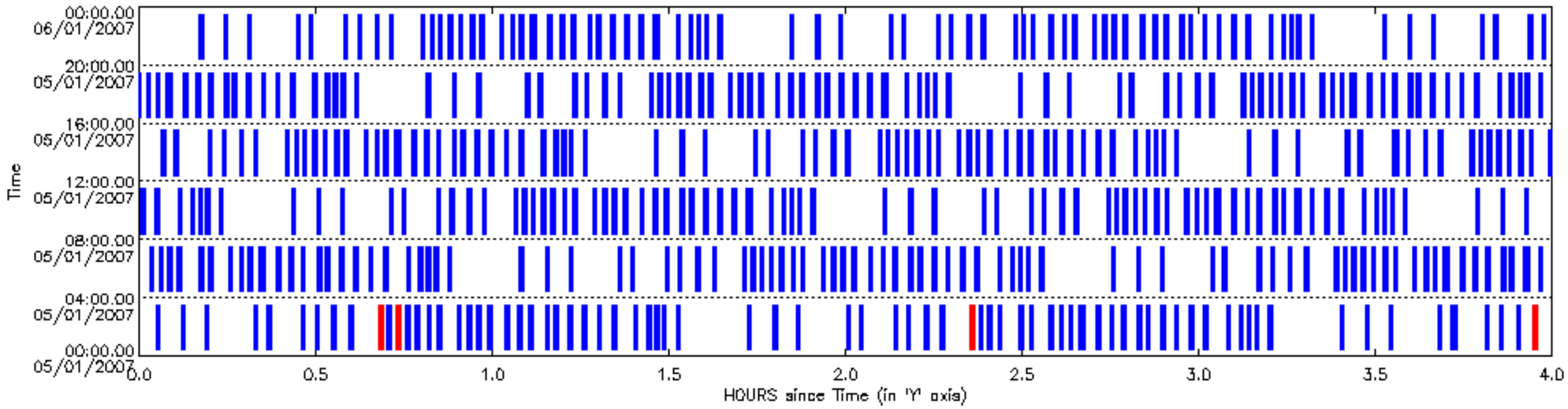
Upper curve: STD of SATU Y axis
Lower curve: STD of SATU X axis

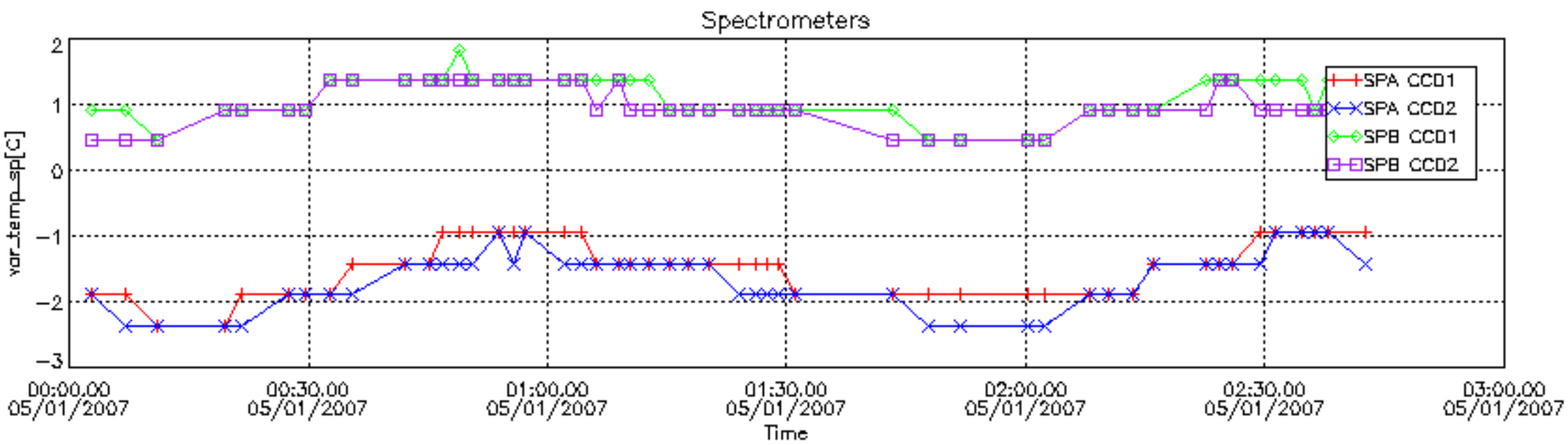


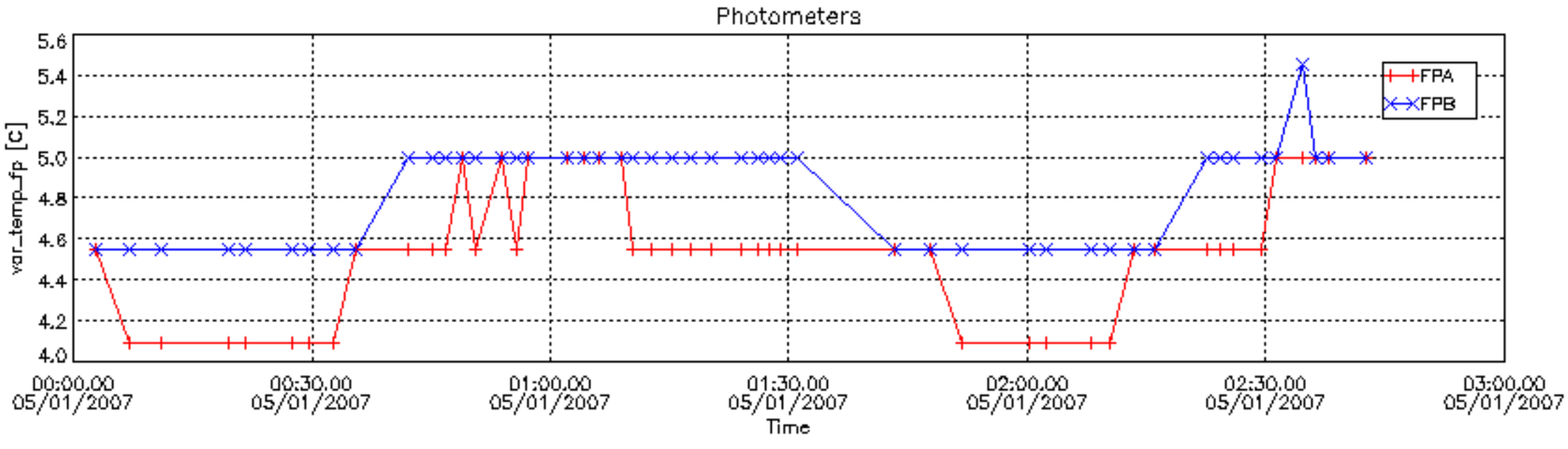
8. Auxiliary Data Files used for the production reported in section 2.4

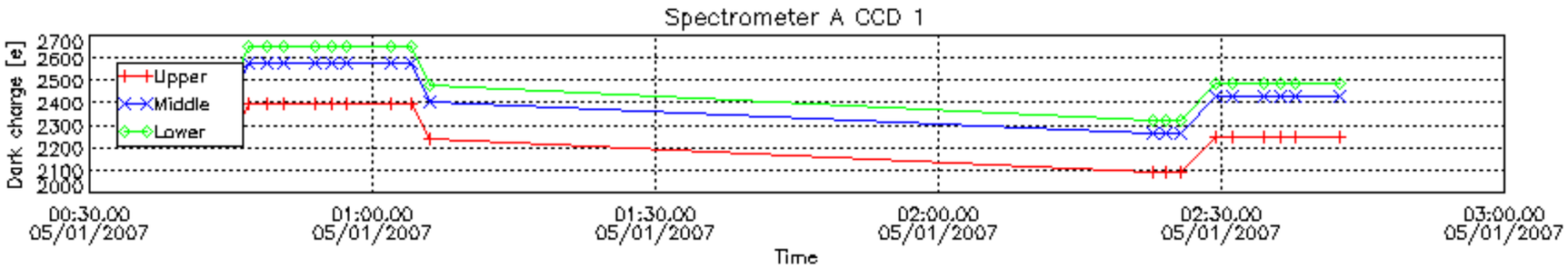
The number reported in the third column indicates since which file (see list in section 2.4) the corresponding auxiliary file has been used. The fourth column is the date of those product files.

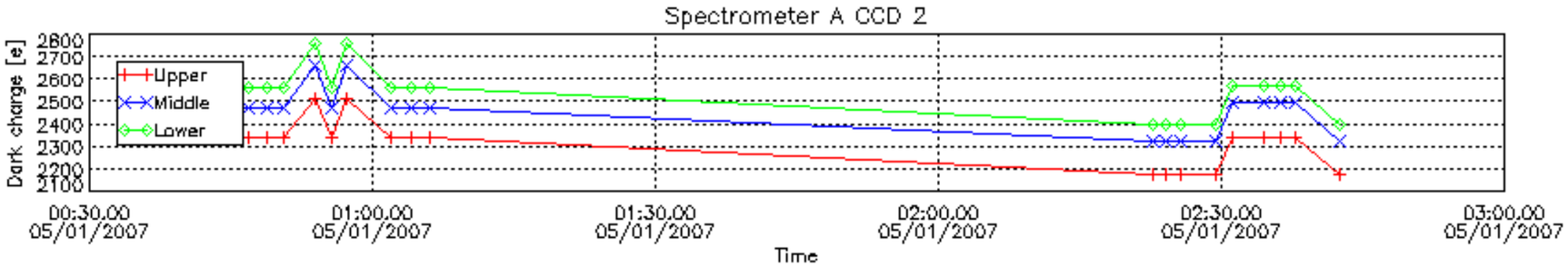
Type	Auxiliary Filename	Used since product	Used since product date
INST_PHYS_CHARACTERISTICS	GOM_INS_AXNIEC20050627_150713_20030716_120000_20100101_000000	1	05-JAN-2007 00:02:45
CALIBRATION_DATABASE	GOM_CAL_AXVIEC20061222_110846_20061221_000000_20100101_000000	1	05-JAN-2007 00:02:45
LEVEL-1B_PROC_CONFIG	GOM_PR1_AXNIEC20050627_151042_20020301_000000_20100101_000000	1	05-JAN-2007 00:02:45
STAR_CATALOGUE	GOM_CAT_AXVIEC20020121_161009_20020101_000000_20200101_000000	1	05-JAN-2007 00:02:45
STELLAR_SPECTRA_DATABANK	GOM_STS_AXNIEC20040308_103538_20020101_160000_20100101_000000	1	05-JAN-2007 00:02:45
ECMWF_FILE	AUX_ECF_AXNECM20070104_062355_20070104_210000_20070105_090000	1	05-JAN-2007 00:02:45
OPTIONAL_ECMWF_FILE	MISSING	1	05-JAN-2007 00:02:45
ORBIT_DATA_FILE	DOR_NAV_0PNPDE20070104_210425_000060572054_00243_25347_2507.N1	1	05-JAN-2007 00:02:45
ORBIT_DATA_FILE	DOR_NAV_0PNPDE20070105_003138_000054192054_00245_25349_2509.N1	9	05-JAN-2007 00:35:29

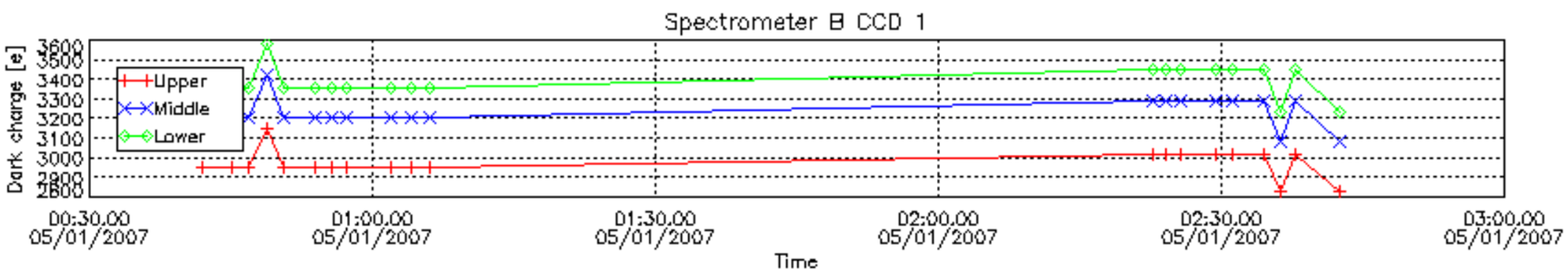

00:00.00
06/01/2007
20:00.00
05/01/2007
16:00.00
05/01/2007
12:00.00
05/01/2007
08:00.00
05/01/2007
04:00.00
05/01/2007
00:00.00
05/01/2007
Time
0.0
0.5
1.0
1.5
2.0
2.5
3.0
3.5
4.0
HOURS since Time (in 'Y' axis)

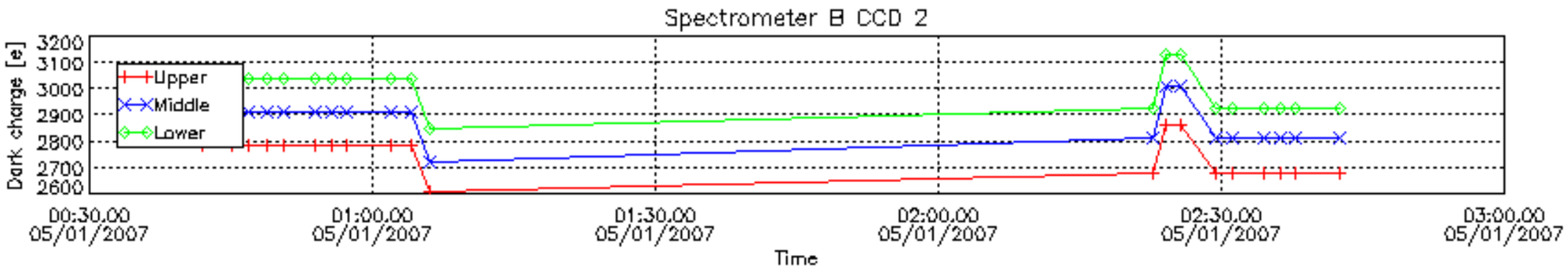

Spectrometers
var_temp_sp[C]
2
1
0
−1
−2
−3
SPA CCD1
SPA CCD2
SPB CCD1
SPB CCD2
00:00.00
05/01/2007
00:30.00
05/01/2007
01:00.00
05/01/2007
01:30.00
05/01/2007
02:00.00
05/01/2007
02:30.00
05/01/2007
03:00.00
05/01/2007
Time

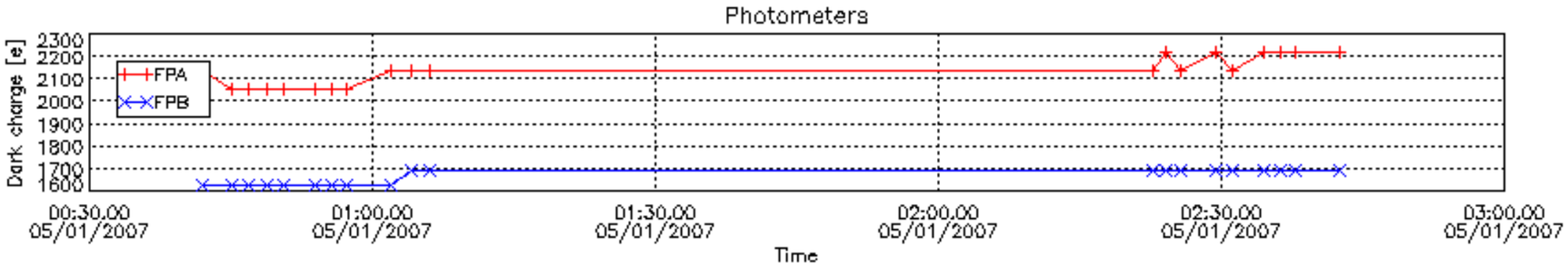

Photometers
var_temp_fp [C]
5.6
5.4
5.2
5.0
4.8
4.6
4.4
4.2
4.0
FPA
FPB
00:00.00
05/01/2007
00:30.00
05/01/2007
01:00.00
05/01/2007
01:30.00
05/01/2007
02:00.00
05/01/2007
02:30.00
05/01/2007
03:00.00
05/01/2007
Time

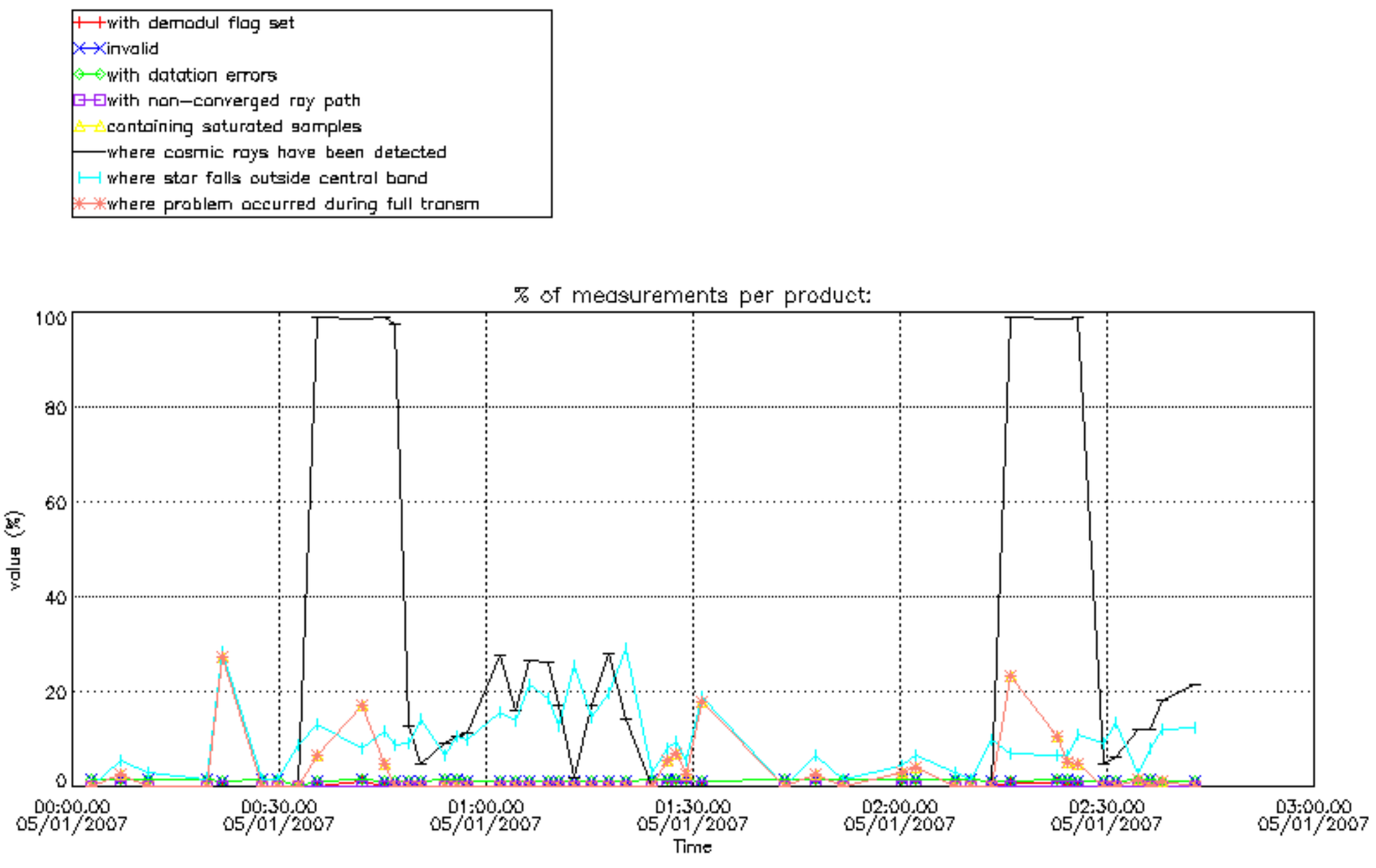

Spectrometer A CCD 1
Dark charge [e]
2700
2600
2500
2400
2300
2200
2100
2000
Upper
Middle
Lower
00:30.00
05/01/2007
01:00.00
05/01/2007
01:30.00
05/01/2007
02:00.00
05/01/2007
02:30.00
05/01/2007
03:00.00
05/01/2007
Time

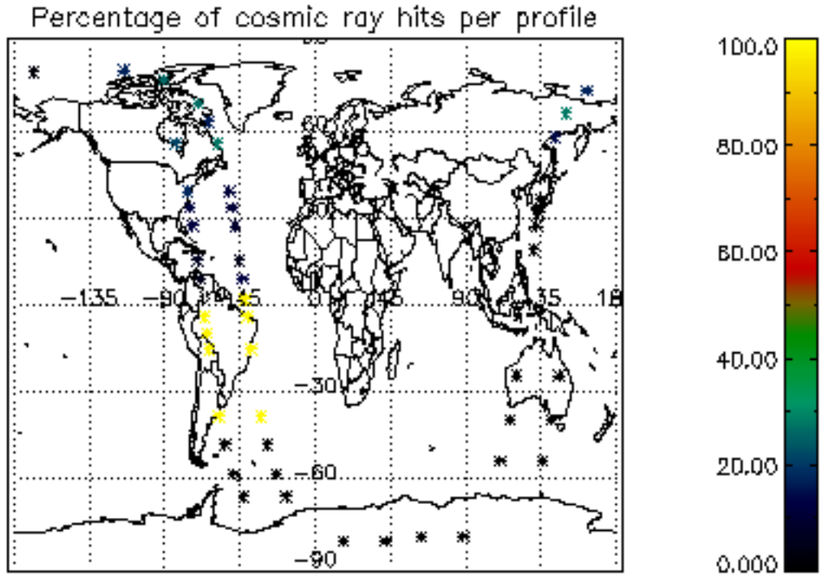

Spectrometer A CCD 2
Dark charge [e]
2800
2700
2600
2500
2400
2300
2200
2100
Upper
Middle
Lower
00:30.00
05/01/2007
01:00.00
05/01/2007
01:30.00
05/01/2007
02:00.00
05/01/2007
02:30.00
05/01/2007
03:00.00
05/01/2007
Time

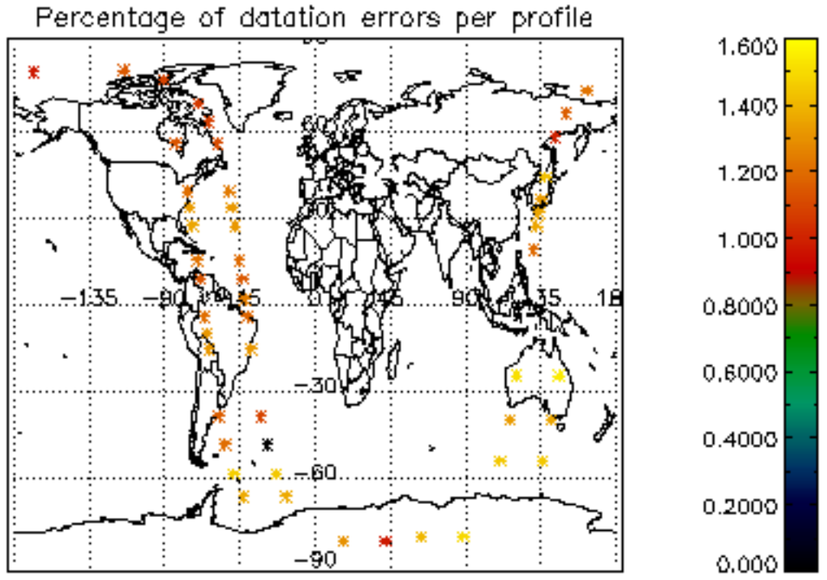

Spectrometer B CCD 1
Dark charge [e]
3600
3500
3400
3300
3200
3100
3000
2900
2800
Upper
Middle
Lower
00:30.00
05/01/2007
01:00.00
05/01/2007
01:30.00
05/01/2007
02:00.00
05/01/2007
02:30.00
05/01/2007
03:00.00
05/01/2007
Time

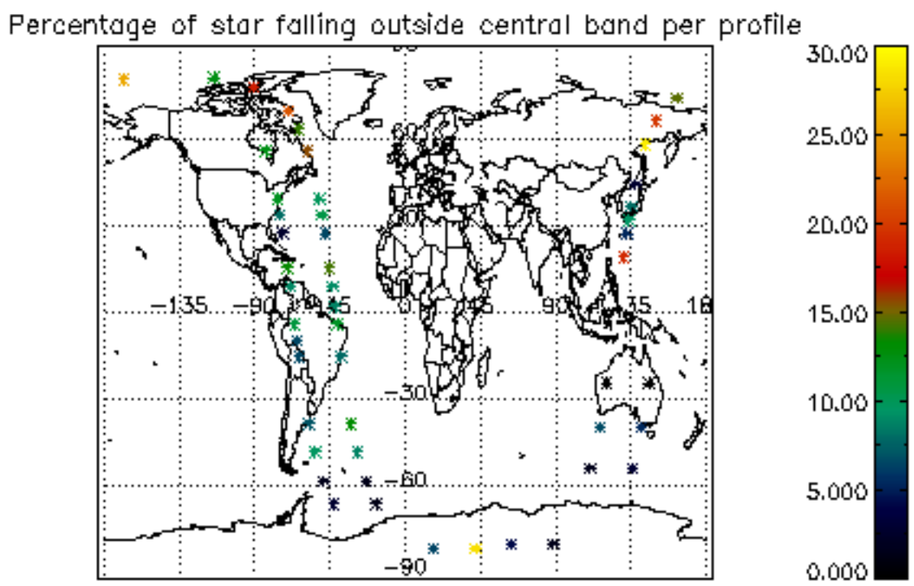

Spectrometer B CCD 2
Dark charge [e]
3200
3100
3000
2900
2800
2700
2600
Upper
Middle
Lower
00:30.00
05/01/2007
01:00.00
05/01/2007
01:30.00
05/01/2007
02:00.00
05/01/2007
02:30.00
05/01/2007
03:00.00
05/01/2007
Time

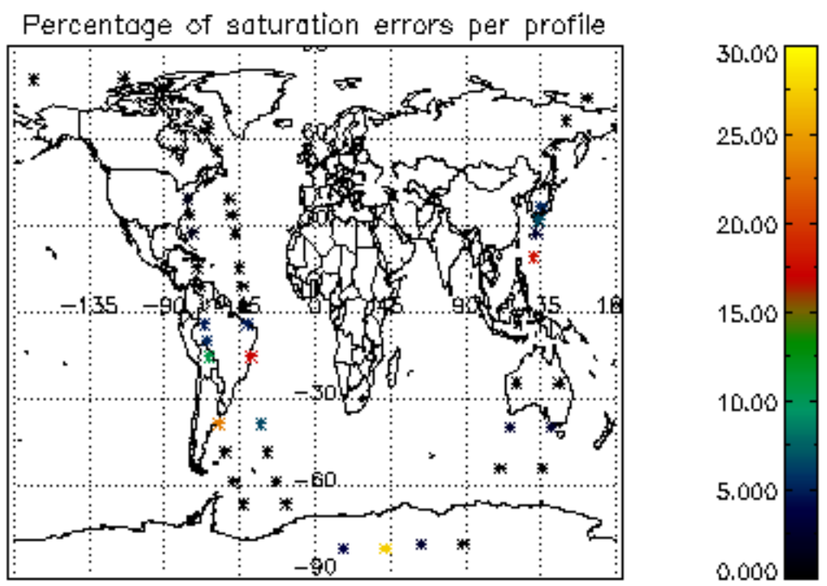

Photometers
Dark charge [e]
2300
2200
2100
2000
1900
1800
1700
1600
FPA
FPB
00:30.00
05/01/2007
01:00.00
05/01/2007
01:30.00
05/01/2007
02:00.00
05/01/2007
02:30.00
05/01/2007
03:00.00
05/01/2007
Time


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:
100
80
60
40
20
0
value (%)
00:00.00 05/01/2007
00:30.00 05/01/2007
01:00.00 05/01/2007
01:30.00 05/01/2007
02:00.00 05/01/2007
02:30.00 05/01/2007
03:00.00 05/01/2007
Time

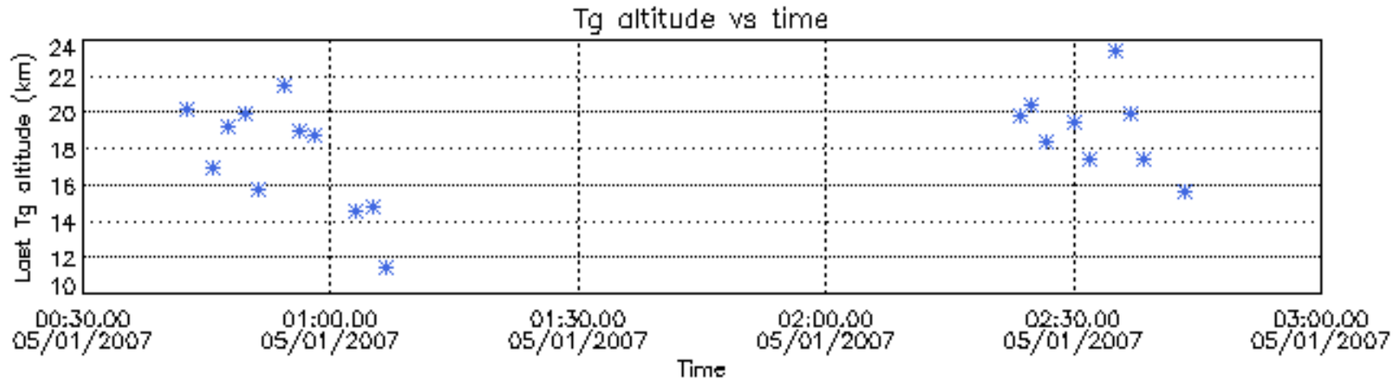

Percentage of cosmic ray hits per profile
100.0
80.00
60.00
40.00
20.00
0.000
−135
−90
−30
−60
−90

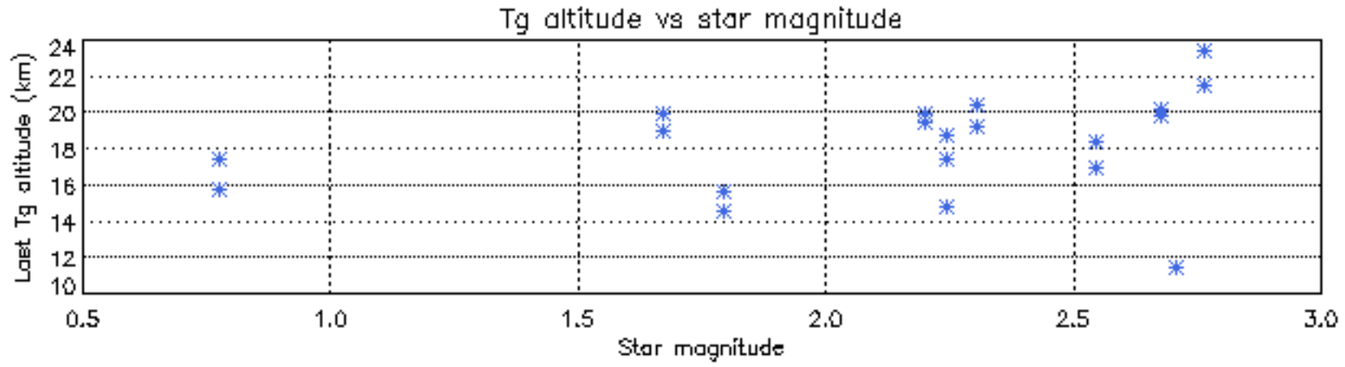

Percentage of datation errors per profile
1.600
1.400
1.200
1.000
0.8000
0.6000
0.4000
0.2000
0.000
−135
−90
−30
−60
−90

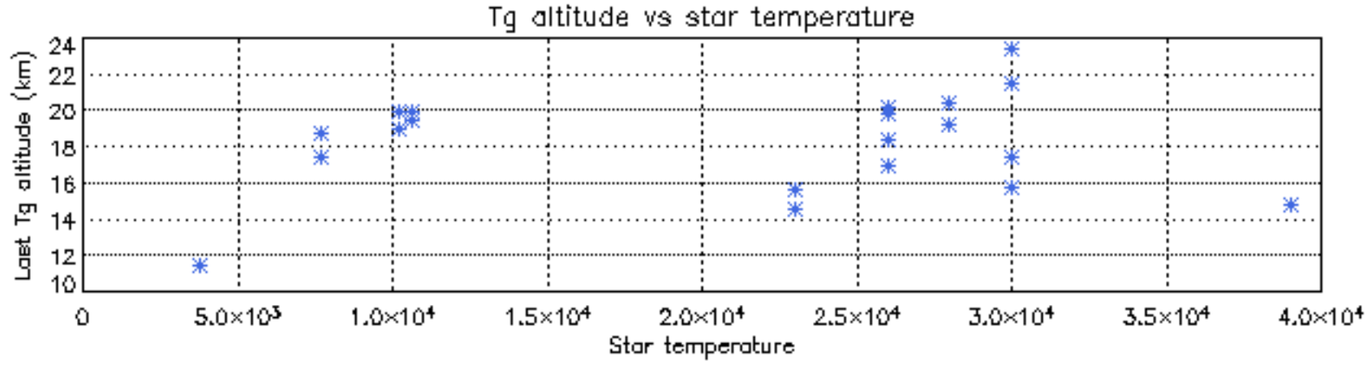

Percentage of star falling outside central band per profile
30.00
25.00
20.00
15.00
10.00
5.000
0.000
−135
−90
−30
−60
−90


Percentage of saturation errors per profile
30.00
25.00
20.00
15.00
10.00
5.000
0.000
−135
−90
−30
−60
−90

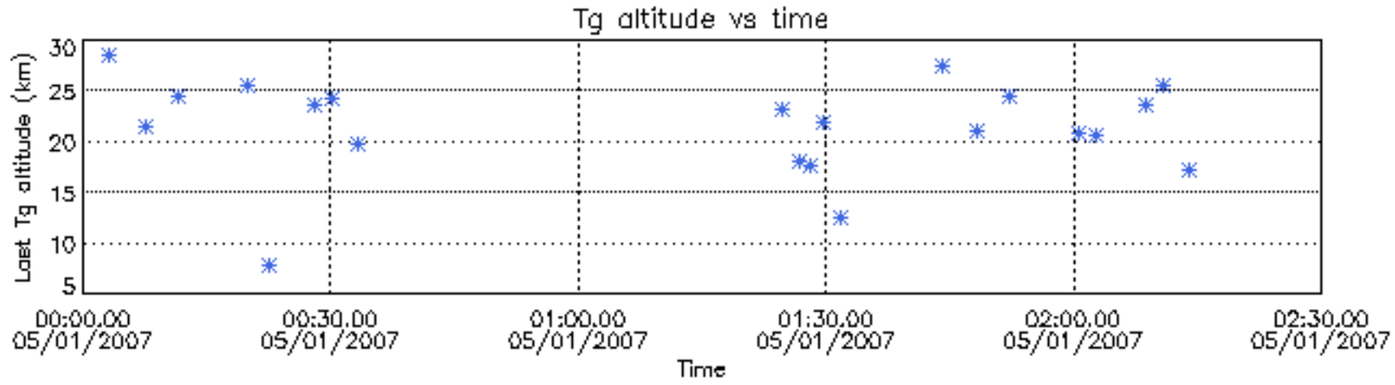
Tangent altitude at which the star is lost

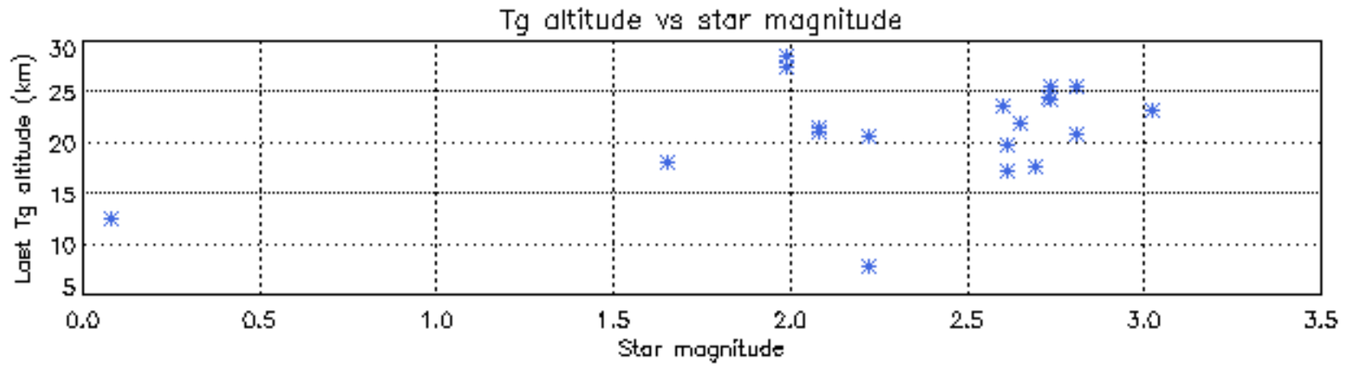


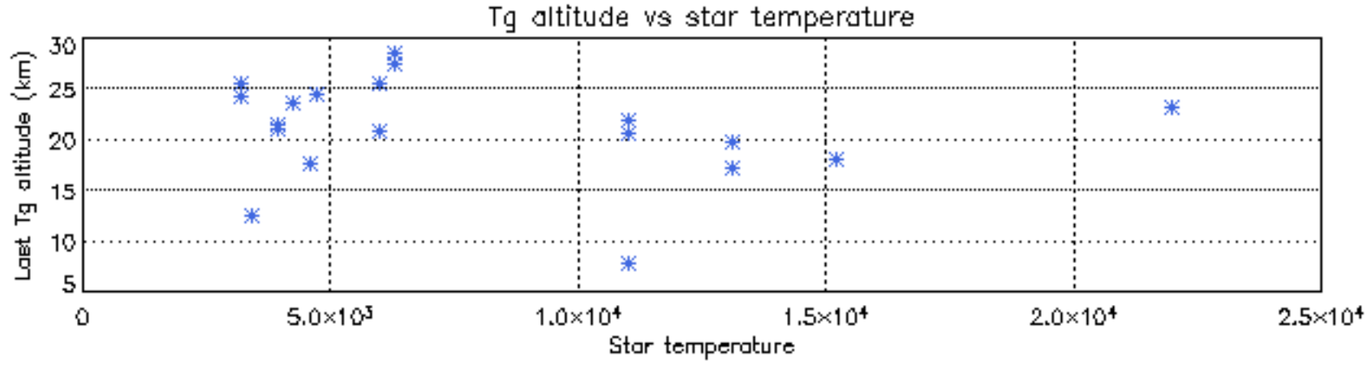


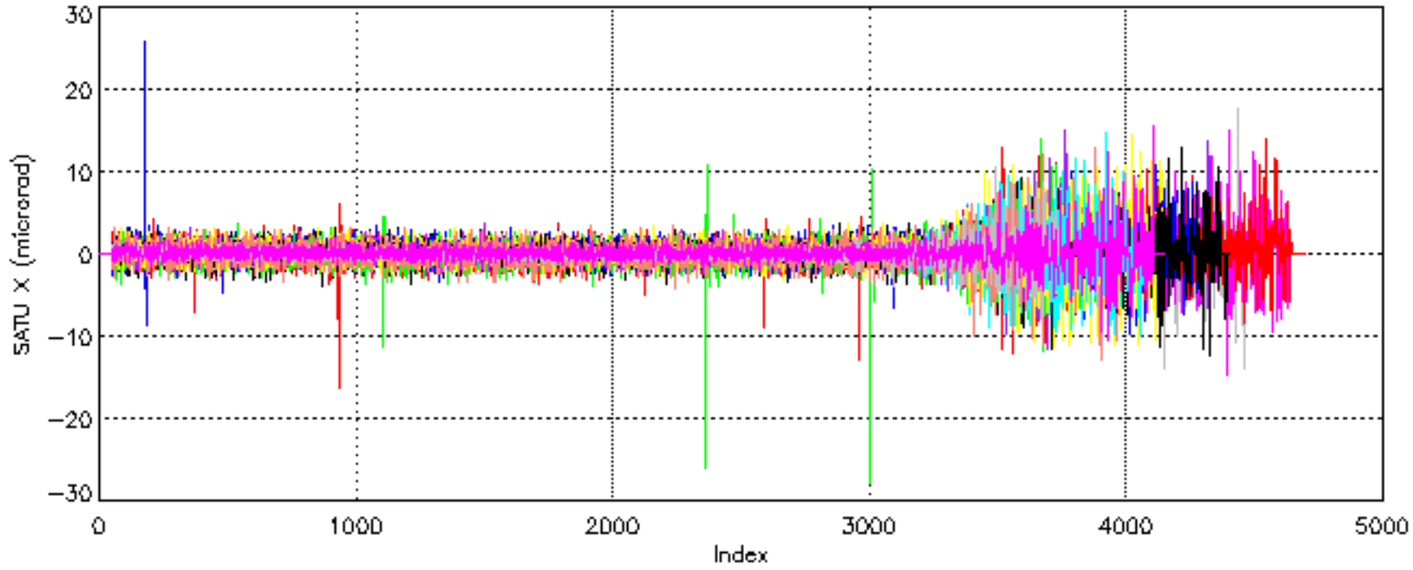


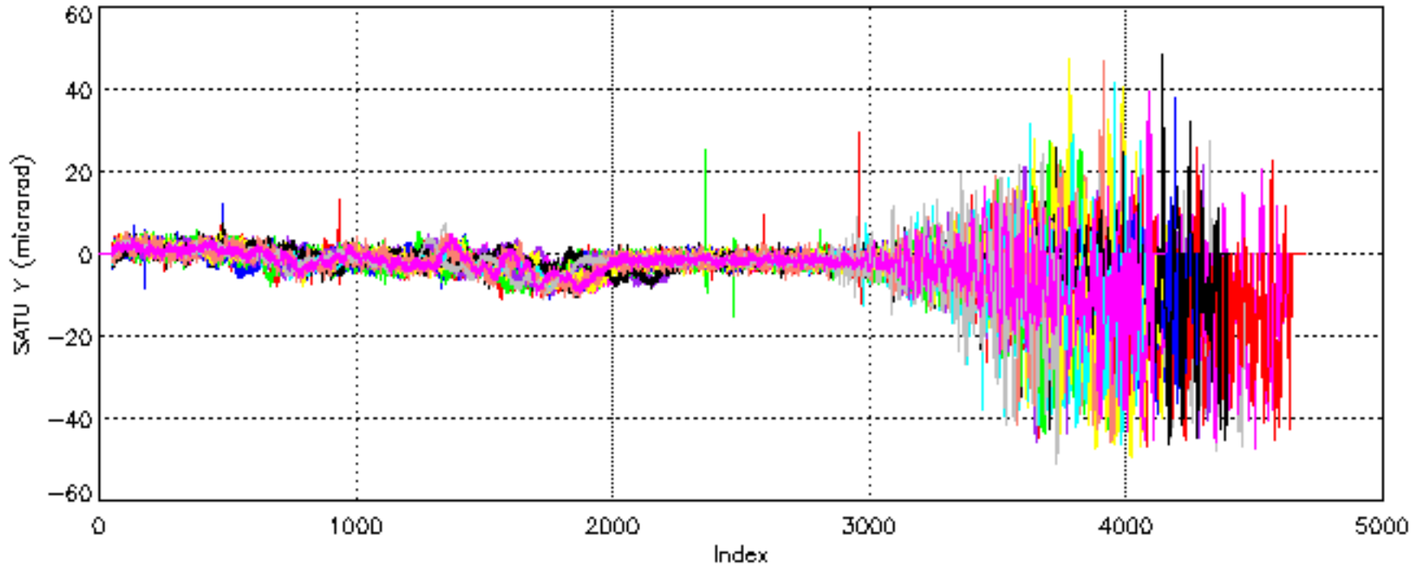
Tangent altitude at which the star is lost

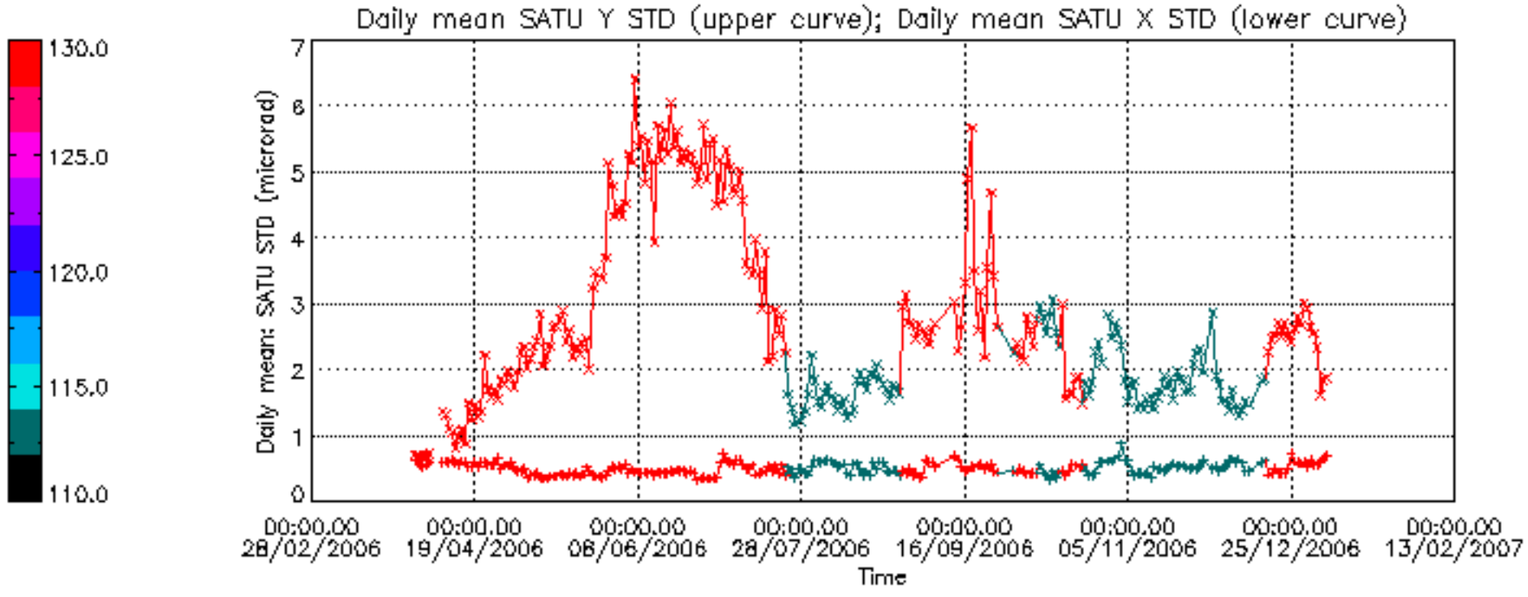







30
20
10
0
−10
−20
−30
SATU X (microrad)
0
1000
2000
3000
4000
5000
Index


60
40
20
0
−20
−40
−60
S4TU Y (microrad)
0
1000
2000
3000
4000
5000
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
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13; 629.9; 01-JAN-2007 03:03:16; Dark ; 41.5; 71; Iot Car ; 2.25; 7700;occ; 83; 0;25294
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17; 1340.5; 01-JAN-2007 03:15:07; Dark ; 44.5; 23; 21Eps CMa ; 1.50; 26000;occ; 89; 0;25294
18; 1569.2; 01-JAN-2007 03:18:55; Dark ; 44.5; 47; 2Bet CMa ; 1.98; 28000;occ; 89; 0;25294
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22; 2271.5; 01-JAN-2007 03:30:38; Bright; 38.5; 176; 23Zet Tau ; 3.02; 22000;occ; 77; 0;25294
23; 2397.7; 01-JAN-2007 03:32:44; Bright; 38.0; 28; 12Bet Tau ; 1.65; 15200;occ; 76; 0;25294
24; 2472.6; 01-JAN-2007 03:33:59; Bright; 37.5; 114; 3Iot Aur ; 2.69; 4600;occ; 75; 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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  21; 1769.9; 01-JAN-2007 06:43:28; Dark  ;  49.5;    7; 19Bet Ori  ; 0.10; 14000;occ;  99;   0;25296
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  28; 2692.9; 01-JAN-2007 06:58:51; Bright;  38.5;    6; 13Alp Aur  ; 0.08;  3400;occ;  77;   0;25296
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   4; 1582.7; 01-JAN-2007 20:05:08; Dark  ;  33.0;    1;  9Alp CMa  ;-1.44; 11000;occ;  66;   0;25304
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  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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   7;   55.5; 03-JAN-2007 21:57:38; Dark  ;  39.0;   10;   Bet Cen  ; 0.61; 28000;occ;  78;   0;25334
   8;  249.5; 03-JAN-2007 22:00:52; Dark  ;  40.5;   12;   Alp1Cru  ; 0.77; 30000;occ;  81;   0;25334
   9;  450.6; 03-JAN-2007 22:04:14; Dark  ;  37.5;  124;   The Car  ; 2.76; 30000;occ;  75;   0;25334
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