

GOMOS Daily Report 05-NOV-2007

Level 0 and Level 1 products

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

Item	Value
Time of report generation	07NOV2007 06:29:36
Data source version	GOMOS/5.00
Start time of products	QDS_YESTERDAY(/START)-1D (05NOV2007 00:00:00)
Stop time of products	QDS_YESTERDAY(/STOP)-1D (06NOV2007 00:00:00)
Store outputs in DB	Yes
Nb of level 1b prods	50
Nb of prods with errors	0

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

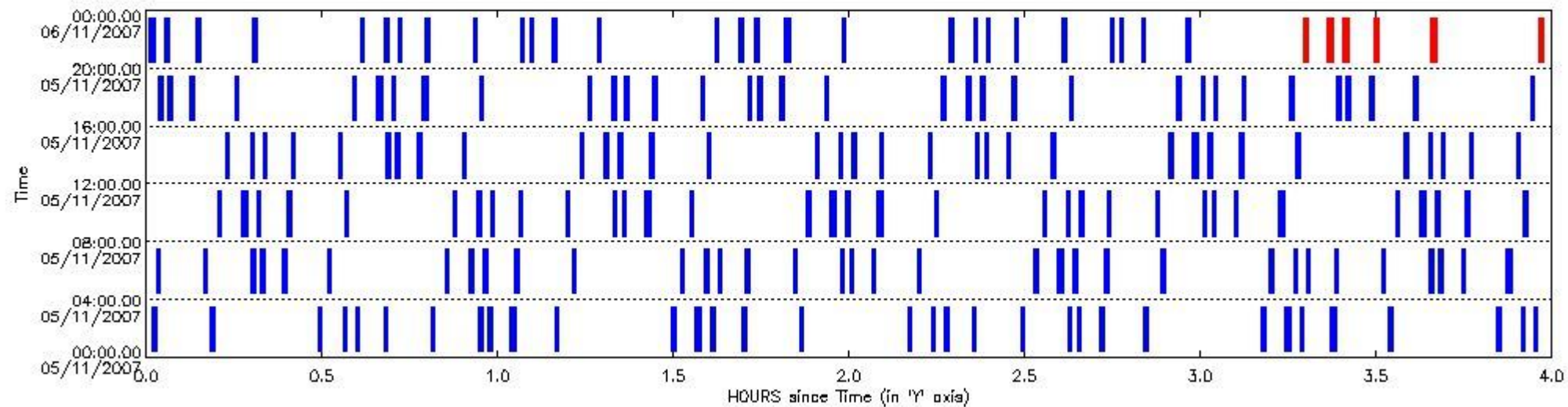
2.1 Level 0 products arrived in PCF (see template [here](#))

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)

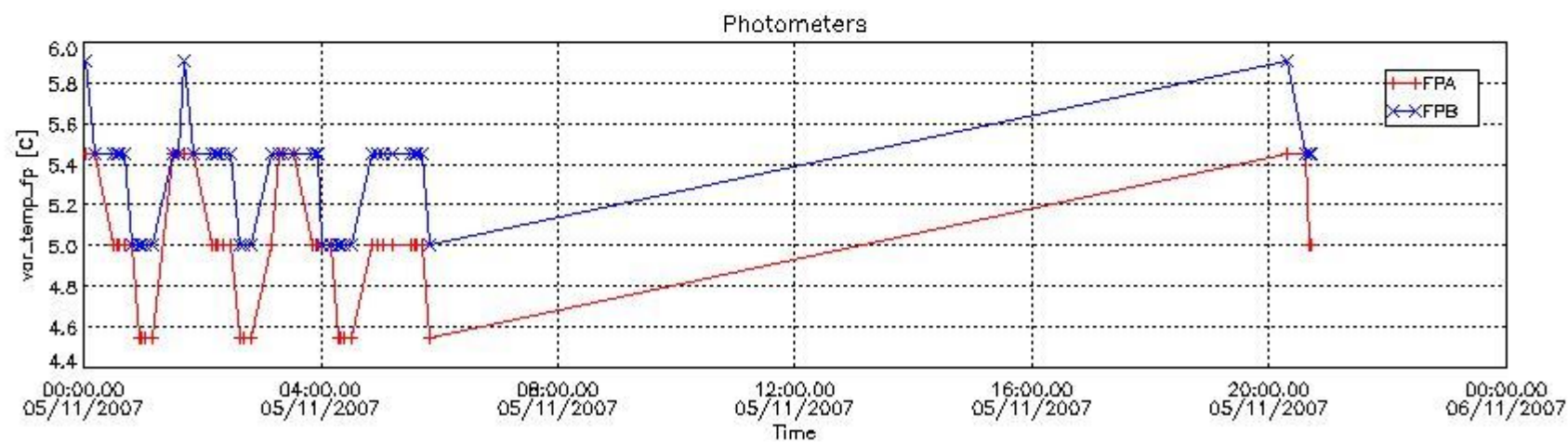
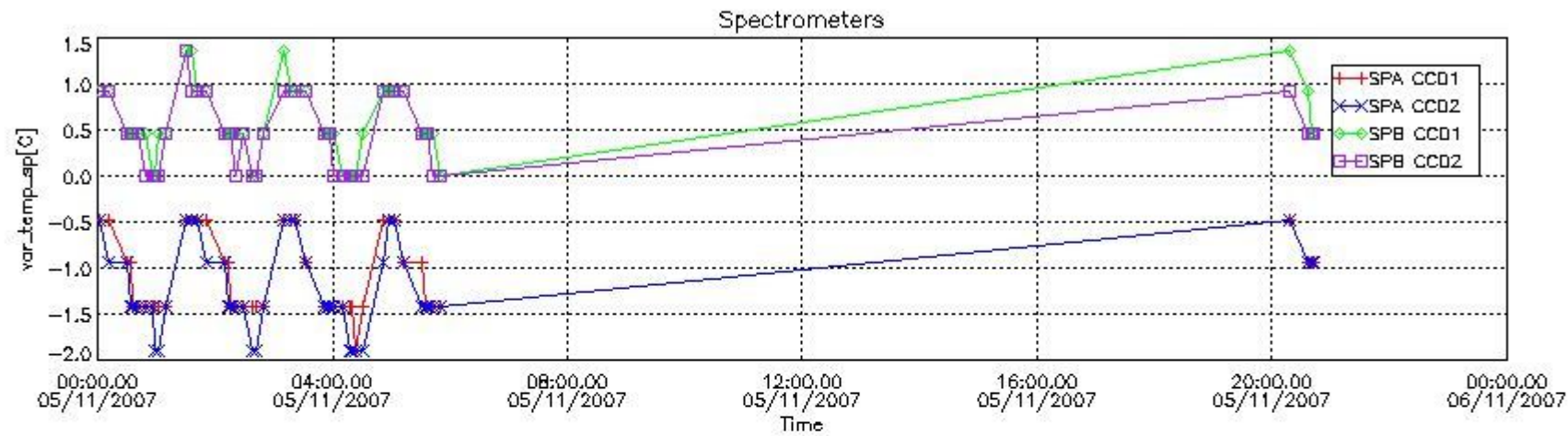
UTC start time	Star name	Star ID	Orbit
05-NOV-2007 23:17:35	MuVel	113	29714
05-NOV-2007 23:21:40	DSA1030	0	29715
05-NOV-2007 23:24:16	Gam2Vel	34	29715
05-NOV-2007 23:29:31	AlpCar	2	29715
05-NOV-2007 23:39:20	The1Eri	157	29715
05-NOV-2007 23:57:44	6BetAri	105	29715

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_1PNPDE20071105_000100_000000522063_00088_29701_4407.N1	05-NOV-2007 00:01:00	Dark	52.000	2	Alp Car	-0.73600	7000.0	104	29701	No
2	GOM_TRA_1PNPDE20071105_001055_000000412063_00088_29701_4408.N1	05-NOV-2007 00:10:55	Straylight	40.500	157	The1Eri	2.9060	9300.0	81	29701	No
3	GOM_TRA_1PNPDE20071105_002924_000000372063_00088_29701_4409.N1	05-NOV-2007 00:29:24	Bright	37.000	105	6Bet Ari	2.6450	8900.0	74	29701	No
4	GOM_TRA_1PNPDE20071105_003332_000000382063_00088_29701_4410.N1	05-NOV-2007 00:33:32	Bright	37.500	53	43Bet And	2.0480	3300.0	75	29701	No
5	GOM_TRA_1PNPDE20071105_003546_000000382063_00088_29701_4411.N1	05-NOV-2007 00:35:46	Bright	38.000	73	57Gam1And	2.2600	13100.0	76	29701	No

6	GOM_TRA_1PNPDE20071105_004031_000000352063_00088_29701_4412.N1	05-NOV-2007 00:40:31	Bright	34.500	110	37Del Cas	2.6780	8900.0	69	29701	No
7	GOM_TRA_1PNPDE20071105_004841_000000322063_00088_29701_4413.N1	05-NOV-2007 00:48:41	Bright	32.000	49	1Alp UMi	1.9900	6300.0	64	29701	No
8	GOM_TRA_1PNPDE20071105_005644_000000402063_00088_29701_4414.N1	05-NOV-2007 00:56:44	Bright	40.000	36	50Alp UMa	1.8000	6300.0	80	29701	No
9	GOM_TRA_1PNPDE20071105_005822_000000492063_00088_29701_4415.N1	05-NOV-2007 00:58:22	Bright	48.500	82	48Bet UMa	2.3650	10600.	97	29701	No
10	GOM_TRA_1PNPDE20071105_010207_000000552063_00088_29701_4416.N1	05-NOV-2007 01:02:07	Bright	54.500	174	52Psi UMa	3.0040	4400.0	109	29701	No
11	GOM_TRA_1PNPDE20071105_010944_000000382063_00088_29701_4417.N1	05-NOV-2007 01:09:44	Bright	38.000	96	68Del Leo	2.5600	9300.0	76	29701	No
12	GOM_TRA_1PNPDE20071105_012944_000000402063_00088_29701_4548.N1	05-NOV-2007 01:29:44	Dark	39.500	113	Mu Vel	2.6920	5000.0	79	29701	No
13	GOM_TRA_1PNPDE20071105_013621_000000542063_00089_29702_4549.N1	05-NOV-2007 01:36:21	Dark	54.000	41	Eps Car	1.8600	4100.0	108	29702	No
14	GOM_TRA_1PNPDE20071105_014137_000000482063_00089_29702_4550.N1	05-NOV-2007 01:41:37	Dark	48.000	2	Alp Car	-0.73600	7000.0	96	29702	No
15	GOM_TRA_1PNPDE20071105_015131_000000412063_00089_29702_4551.N1	05-NOV-2007 01:51:31	Straylight	41.000	157	The1Eri	2.9060	9300.0	82	29702	No
16	GOM_TRA_1PNPDE20071105_021000_000000372063_00089_29702_4552.N1	05-NOV-2007 02:10:00	Bright	36.500	105	6Bet Ari	2.6450	8900.0	73	29702	No
17	GOM_TRA_1PNPDE20071105_021407_000000392063_00089_29702_4553.N1	05-NOV-2007 02:14:07	Bright	38.500	53	43Bet And	2.0480	3300.0	77	29702	No
18	GOM_TRA_1PNPDE20071105_021622_000000402063_00089_29702_4554.N1	05-NOV-2007 02:16:22	Bright	40.000	73	57Gam1And	2.2600	13100.	80	29702	No
19	GOM_TRA_1PNPDE20071105_022107_000000352063_00089_29702_4555.N1	05-NOV-2007 02:21:07	Bright	35.000	110	37Del Cas	2.6780	8900.0	70	29702	No
20	GOM_TRA_1PNPDE20071105_022917_000000332063_00089_29702_4556.N1	05-NOV-2007 02:29:17	Bright	33.000	49	1Alp UMi	1.9900	6300.0	66	29702	No
21	GOM_TRA_1PNPDE20071105_023720_000000402063_00089_29702_4712.N1	05-NOV-2007 02:37:20	Bright	39.500	36	50Alp UMa	1.8000	6300.0	79	29702	No
22	GOM_TRA_1PNPDE20071105_023857_000000382063_00089_29702_4713.N1	05-NOV-2007 02:38:57	Bright	38.000	82	48Bet UMa	2.3650	10600.	76	29702	No
23	GOM_TRA_1PNPDE20071105_024243_000000452063_00089_29702_4714.N1	05-NOV-2007 02:42:43	Bright	45.000	174	52Psi UMa	3.0040	4400.0	90	29702	No
24	GOM_TRA_1PNPDE20071105_025021_000000502063_00089_29702_4715.N1	05-NOV-2007 02:50:21	Bright	50.000	96	68Del Leo	2.5600	9300.0	100	29702	No
25	GOM_TRA_1PNPDE20071105_031021_000000422063_00089_29702_4716.N1	05-NOV-2007 03:10:21	Dark	41.500	113	Mu Vel	2.6920	5000.0	83	29702	No
26	GOM_TRA_1PNPDE20071105_031657_000000432063_00090_29703_4717.N1	05-NOV-2007 03:16:57	Dark	43.000	41	Eps Car	1.8600	4100.0	86	29703	No
27	GOM_TRA_1PNPDE20071105_032214_000000612063_00090_29703_4718.N1	05-NOV-2007 03:22:14	Dark	60.500	2	Alp Car	-0.73600	7000.0	121	29703	No
28	GOM_TRA_1PNPDE20071105_033208_000000402063_00090_29703_4719.N1	05-NOV-2007 03:32:08	Straylight	40.000	157	The1Eri	2.9060	9300.0	80	29703	No
29	GOM_TRA_1PNPDE20071105_035036_000000372063_00090_29703_4720.N1	05-NOV-2007 03:50:36	Bright	36.500	105	6Bet Ari	2.6450	8900.0	73	29703	No
30	GOM_TRA_1PNPDE20071105_035443_000000382063_00090_29703_4721.N1	05-NOV-2007 03:54:43	Bright	37.500	53	43Bet And	2.0480	3300.0	75	29703	No
31	GOM_TRA_1PNPDE20071105_035657_000000402063_00090_29703_4722.N1	05-NOV-2007 03:56:57	Bright	40.000	73	57Gam1And	2.2600	13100.	80	29703	No
32	GOM_TRA_1PNPDE20071105_040143_000000352063_00090_29703_4723.N1	05-NOV-2007 04:01:43	Bright	35.000	110	37Del Cas	2.6780	8900.0	70	29703	No
33	GOM_TRA_1PNPDE20071105_040953_000000362063_00090_29703_4724.N1	05-NOV-2007 04:09:53	Bright	35.500	49	1Alp UMi	1.9900	6300.0	71	29703	No
34	GOM_TRA_1PNPDE20071105_041756_000000382063_00090_29703_4878.N1	05-NOV-2007 04:17:56	Bright	38.000	36	50Alp UMa	1.8000	6300.0	76	29703	No
35	GOM_TRA_1PNPDE20071105_041933_000000382063_00090_29703_4879.N1	05-NOV-2007 04:19:33	Bright	38.000	82	48Bet UMa	2.3650	10600.	76	29703	No
36	GOM_TRA_1PNPDE20071105_042319_000000402063_00090_29703_4880.N1	05-NOV-2007 04:23:19	Bright	39.500	174	52Psi UMa	3.0040	4400.0	79	29703	No
37	GOM_TRA_1PNPDE20071105_043057_000000382063_00090_29703_4881.N1	05-NOV-2007 04:30:57	Bright	38.000	96	68Del Leo	2.5600	9300.0	76	29703	No
38	GOM_TRA_1PNPDE20071105_045057_000000412063_00090_29703_4882.N1	05-NOV-2007 04:50:57	Dark	40.500	113	Mu Vel	2.6920	5000.0	81	29703	No
39	GOM_TRA_1PNPDE20071105_045733_000000472063_00091_29704_4883.N1	05-NOV-2007 04:57:33	Dark	47.000	34	Gam2Vel	1.7930	23000.	94	29704	No
40	GOM_TRA_1PNPDE20071105_050250_000000502063_00091_29704_4884.N1	05-NOV-2007 05:02:50	Dark	50.000	2	Alp Car	-0.73600	7000.0	100	29704	No
41	GOM_TRA_1PNPDE20071105_051244_000000402063_00091_29704_4885.N1	05-NOV-2007 05:12:44	Straylight	39.500	157	The1Eri	2.9060	9300.0	79	29704	No
42	GOM_TRA_1PNPDE20071105_053112_000000382063_00091_29704_4886.N1	05-NOV-2007 05:31:12	Bright	37.500	105	6Bet Ari	2.6450	8900.0	75	29704	No
43	GOM_TRA_1PNPDE20071105_053520_000000372063_00091_29704_4887.N1	05-NOV-2007 05:35:20	Bright	36.500	53	43Bet And	2.0480	3300.0	73	29704	No
44	GOM_TRA_1PNPDE20071105_053733_000000402063_00091_29704_4888.N1	05-NOV-2007 05:37:33	Bright	39.500	73	57Gam1And	2.2600	13100.	79	29704	No
45	GOM_TRA_1PNPDE20071105_054219_000000362063_00091_29704_4889.N1	05-NOV-2007 05:42:19	Bright	35.500	110	37Del Cas	2.6780	8900.0	71	29704	No
46	GOM_TRA_1PNPDE20071105_055029_000000372063_00091_29704_4890.N1	05-NOV-2007 05:50:29	Bright	37.000	49	1Alp UMi	1.9900	6300.0	74	29704	No
47	GOM_TRA_1PNPDE20071105_201810_000000412063_00100_29713_5383.N1	05-NOV-2007 20:18:10	Straylight	41.000	157	The1Eri	2.9060	9300.0	82	29713	No
48	GOM_TRA_1PNPDE20071105_203635_000000372063_00100_29713_5384.N1	05-NOV-2007 20:36:35	Bright	37.000	105	6Bet Ari	2.6450	8900.0	74	29713	No
49	GOM_TRA_1PNPDE20071105_204043_000000362063_00100_29713_5385.N1	05-NOV-2007 20:40:43	Bright	36.000	53	43Bet And	2.0480	3300.0	72	29713	No
50	GOM_TRA_1PNPDE20071105_204255_000000392063_00100_29713_5386.N1	05-NOV-2007 20:42:55	Bright	38.500	73	57Gam1And	2.2600	13100.	77	29713	No

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



4. Overview of dark signal processing per product

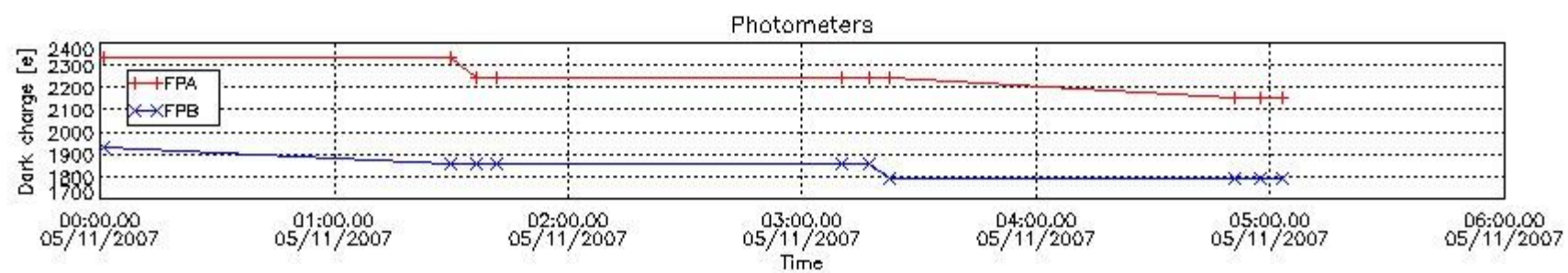
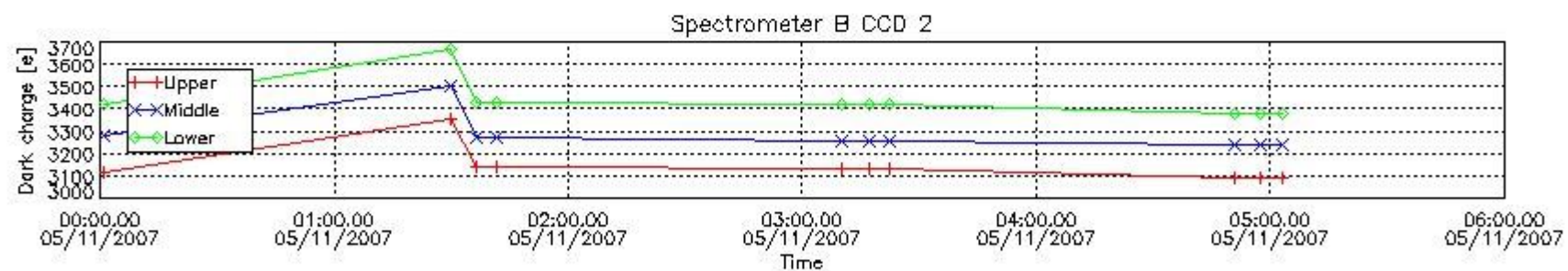
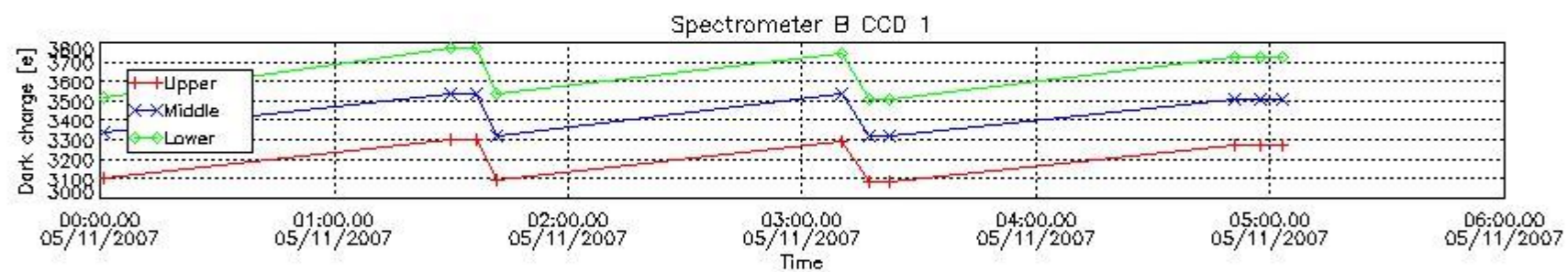
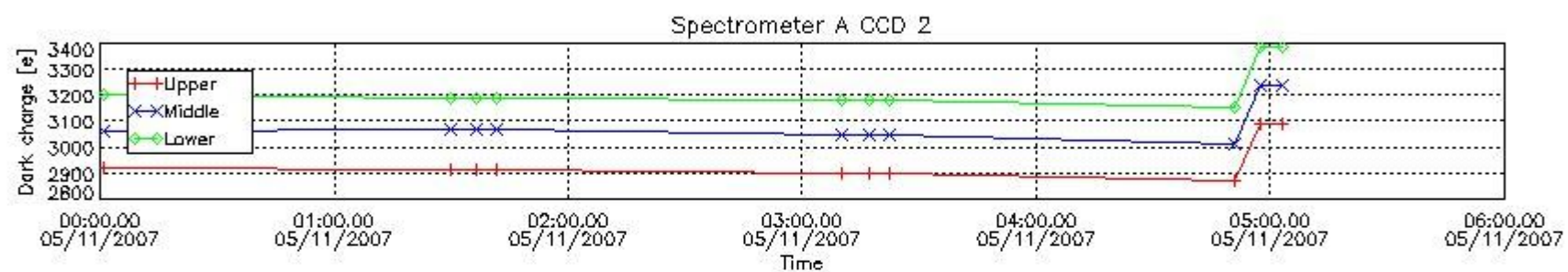
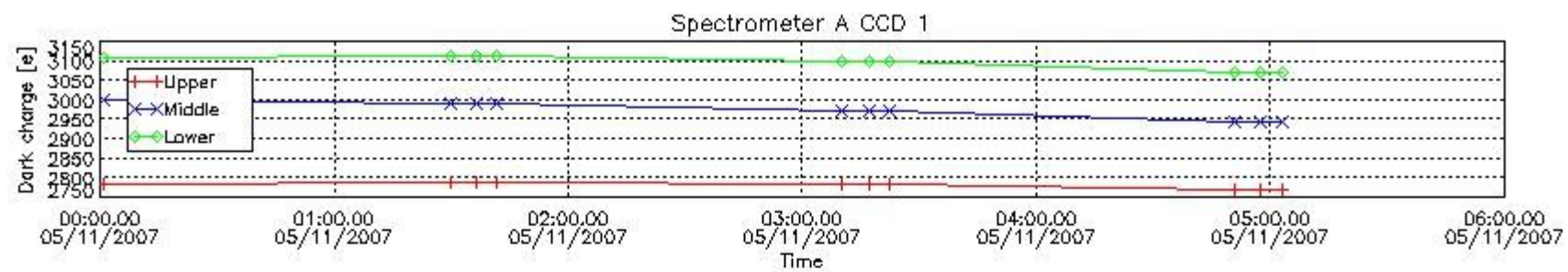
The Dark Charge (DC) is a temperature-dependant signal added to the useful measurements and it is therefore subtracted from them during the processing. There are two phenomena that produce a continuous increase of the DC: the "hot pixels" (a pixel is "hot" when its DC exceeds by a significant amount 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_1PNPDE20071105_201810_000000412063_00100_29713_5383.N1	DC map used
GOM_TRA_1PNPDE20071105_203635_000000372063_00100_29713_5384.N1	DC map used
GOM_TRA_1PNPDE20071105_204043_000000362063_00100_29713_5385.N1	DC map used
GOM_TRA_1PNPDE20071105_204255_000000392063_00100_29713_5386.N1	DC map used

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



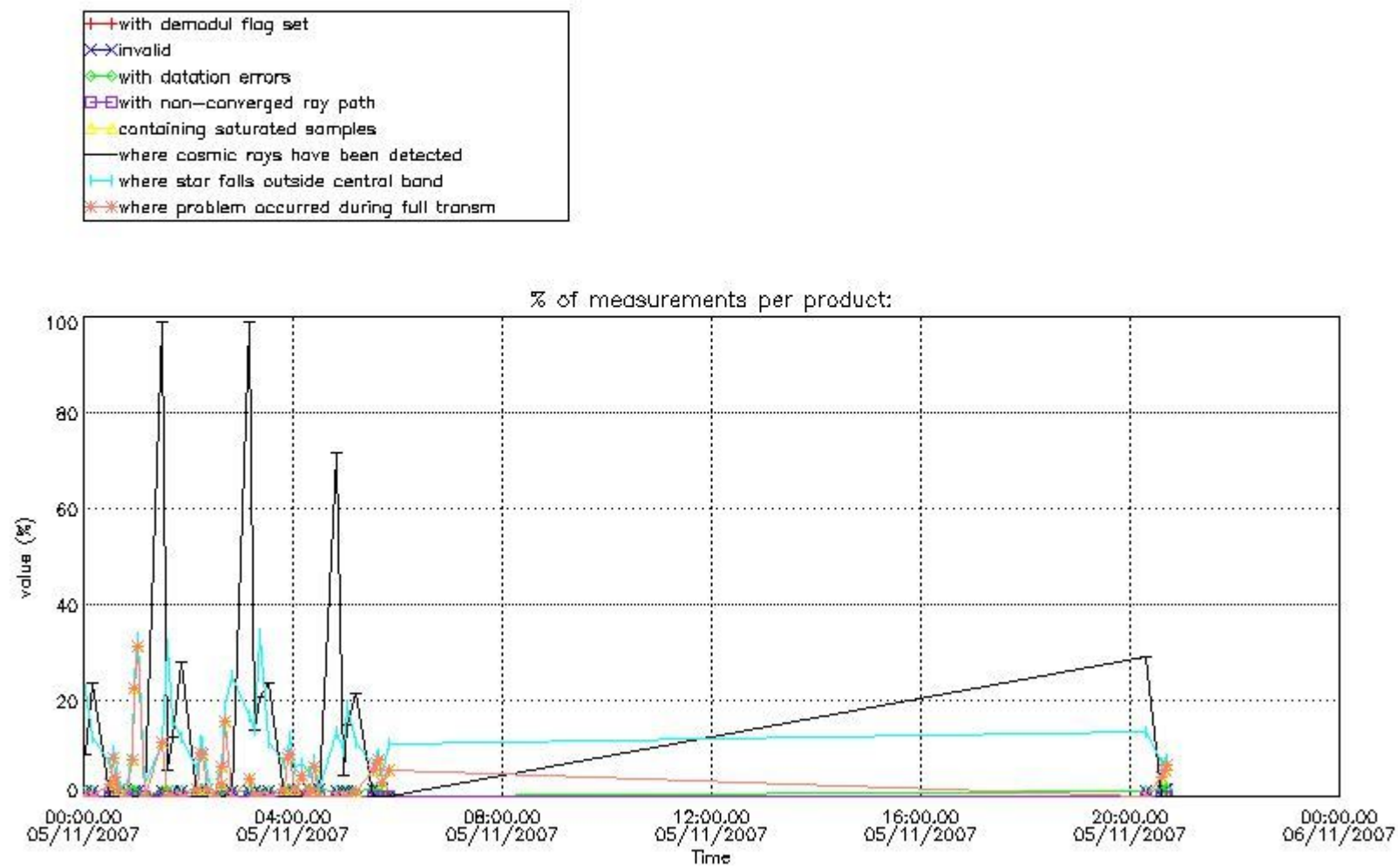
5. Demodulation flag and quality information monitoring

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.

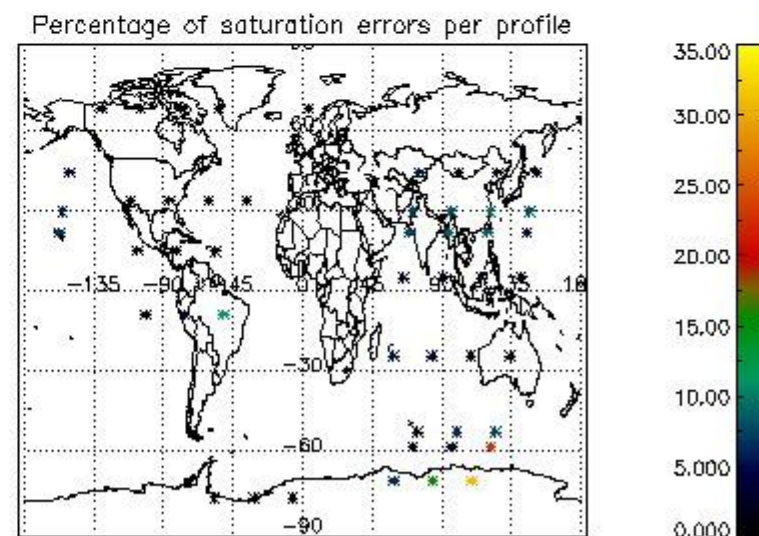
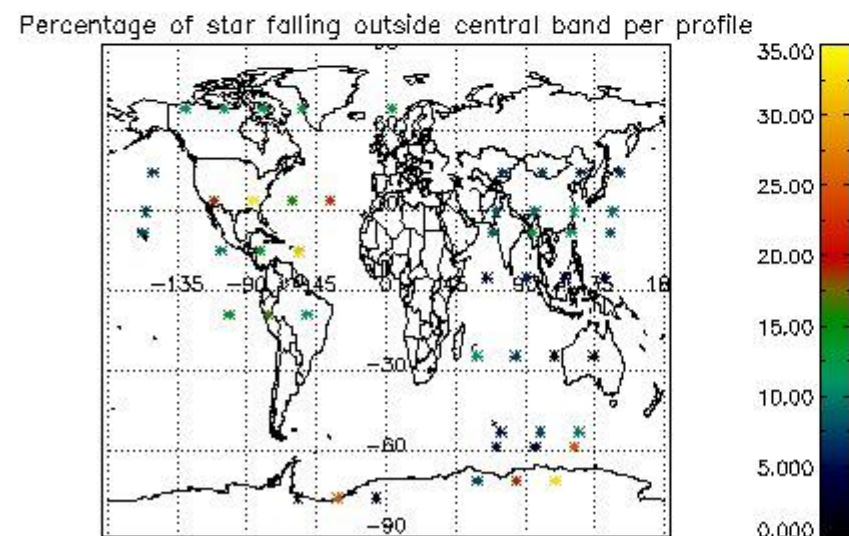
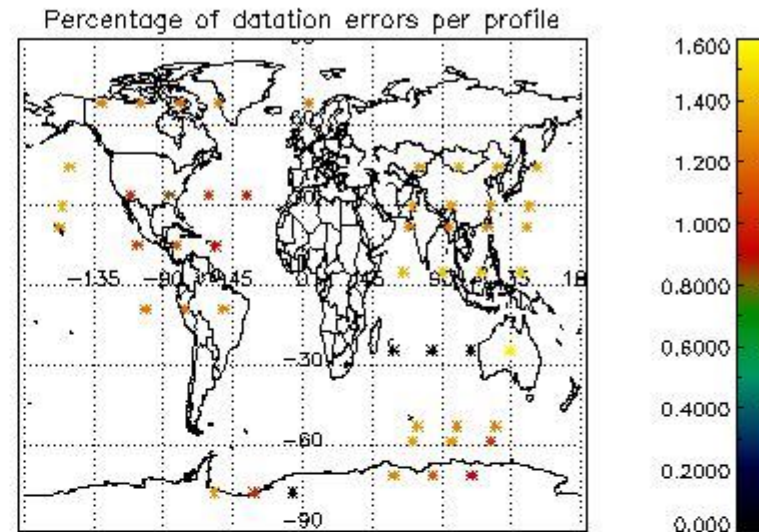
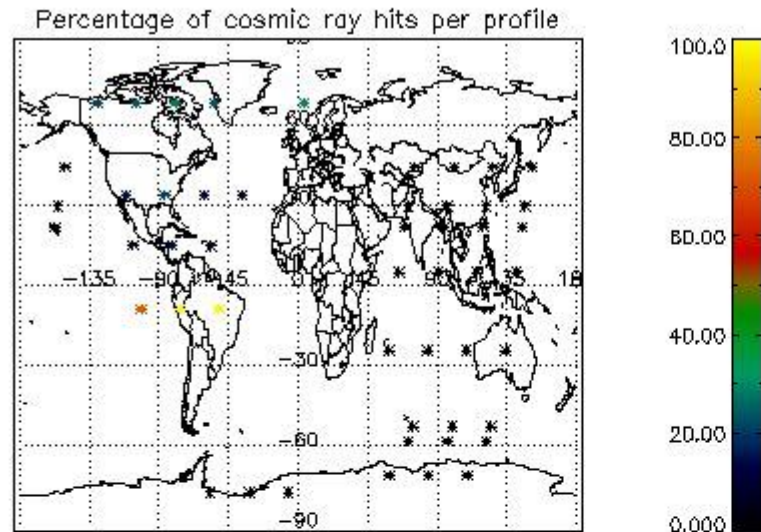
5.1 Percentage of products during reporting period with:

At least one measurement with demodulation flag set:	16.0000 %
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)



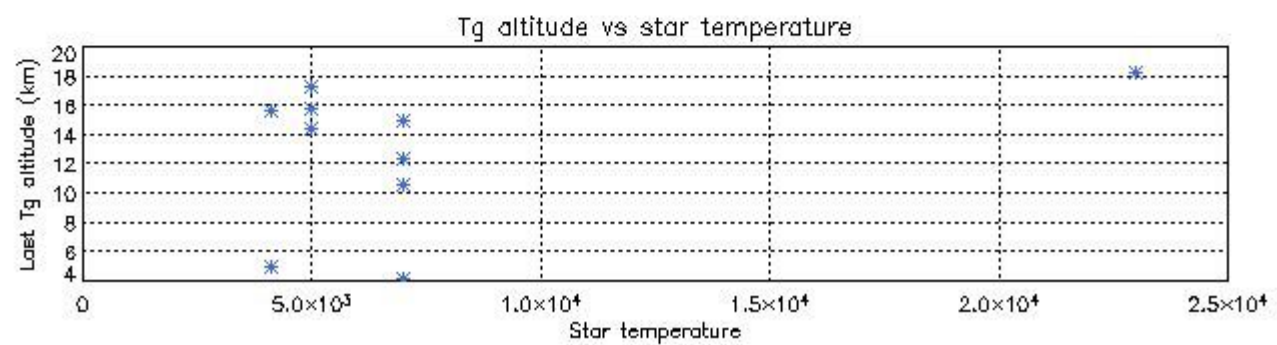
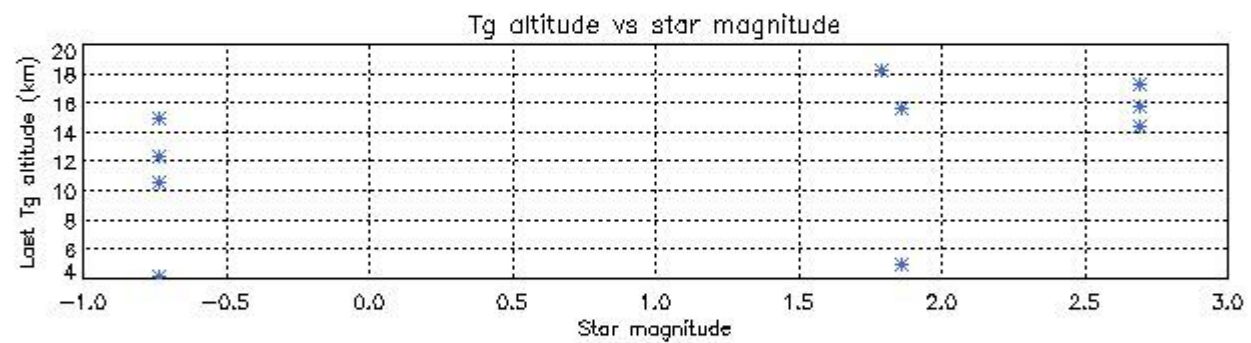
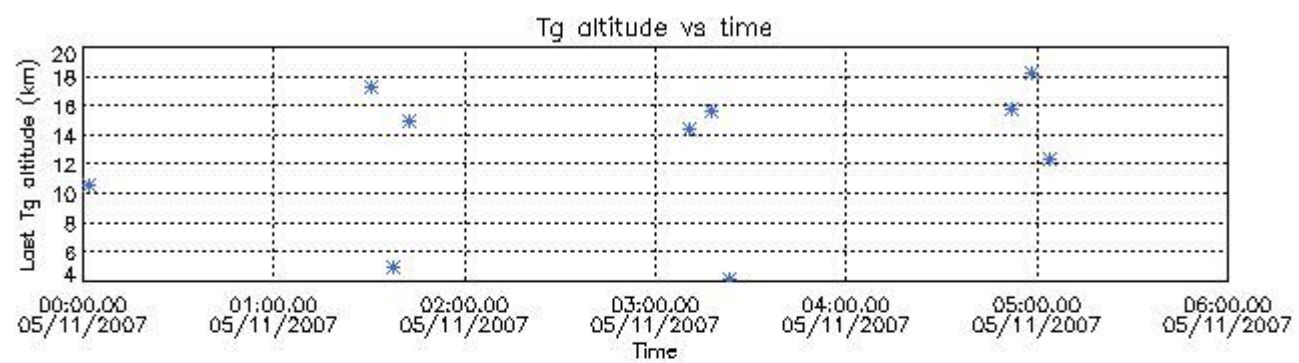
6. Statistics and plot of tangent altitude of the last measurement (DARK & BRIGHT products without errors)

6.1 Statistics on tangent altitude lost:

Statistics	DARK	BRIGHT	TWILIGHT
Mean:	12.832	19.886	NaN
St. deviation:	4.8878	4.7321	NaN
Maximum:	18.209	29.813	NaN
Minimum:	4.1117	5.8966	NaN
Number of data:	10.000	35.000	NaN

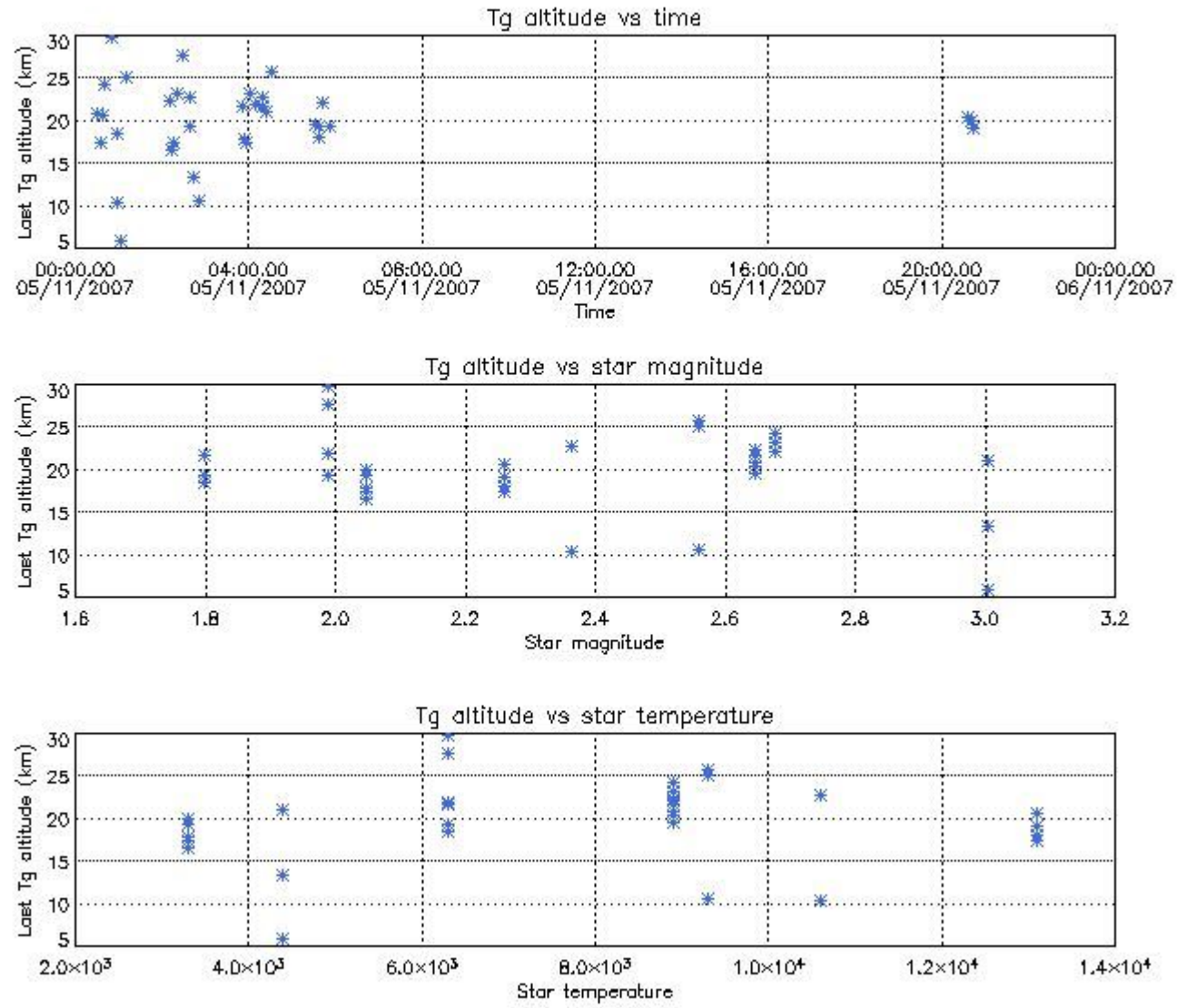
6.2 Plot for DARK limb products

Tangent altitude at which the star is lost



6.3 Plot for BRIGHT limb products

Tangent altitude at which the star is lost

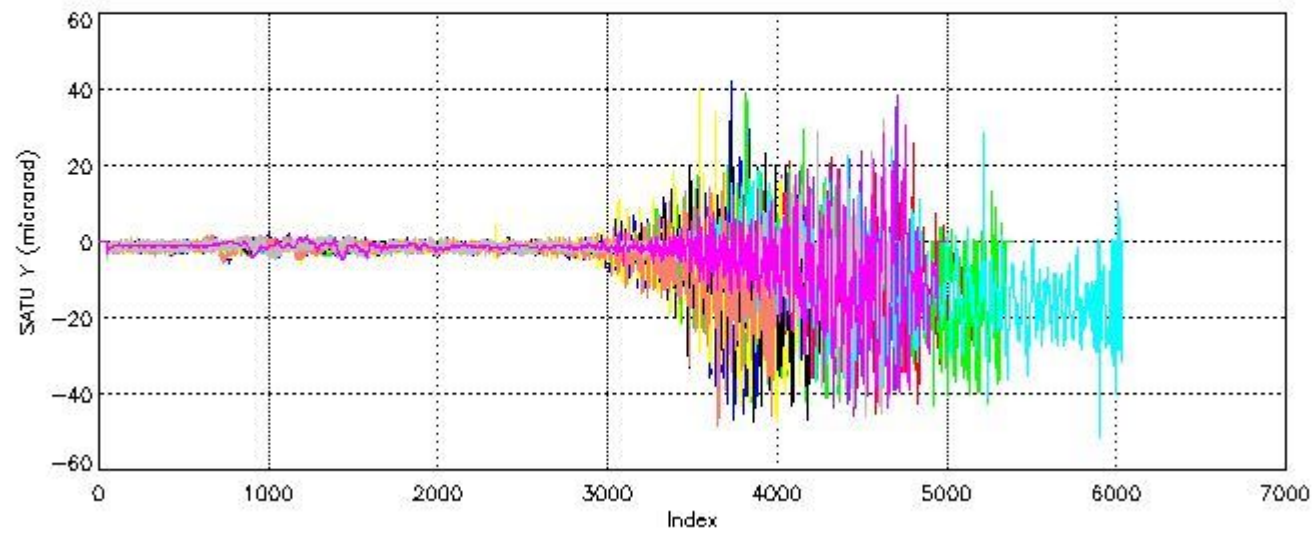
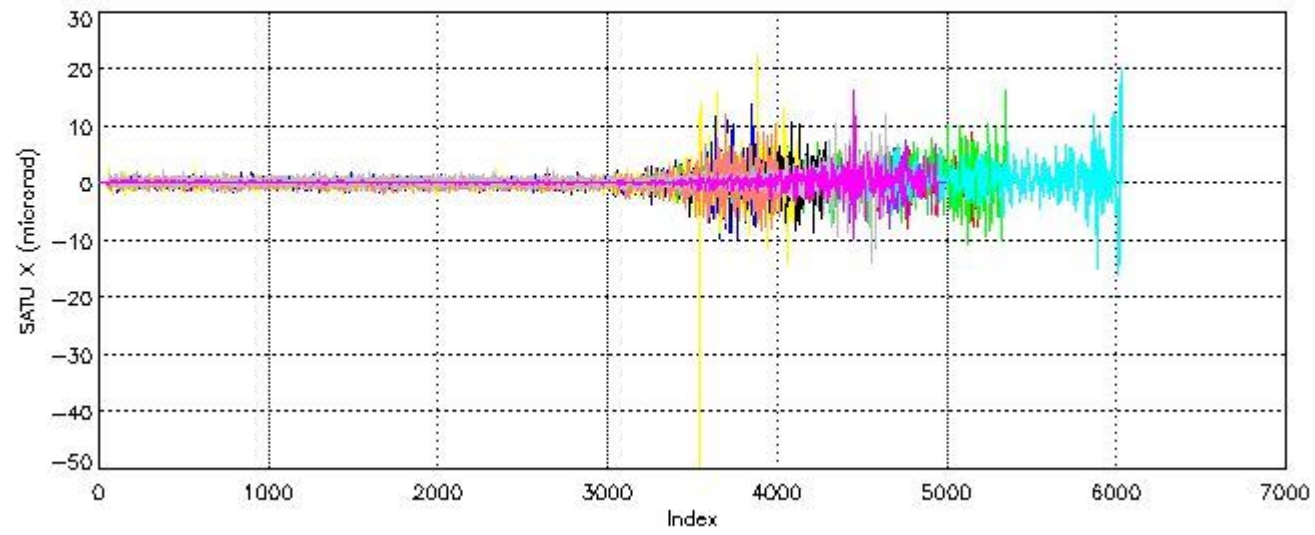


7. Star Acquisition and Tracking Unit (SATU)

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 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:	0.15216	-1.2713	0.12537	-1.3102
St. deviation:	0.30556	0.79443	0.69649	1.2219
Maximum:	2.5000	1.8000	4.4000	4.3000
Minimum:	-2.1000	-5.9000	-4.1000	-7.7000

Number of data:	9850.0	9850.0	29900.	29900.
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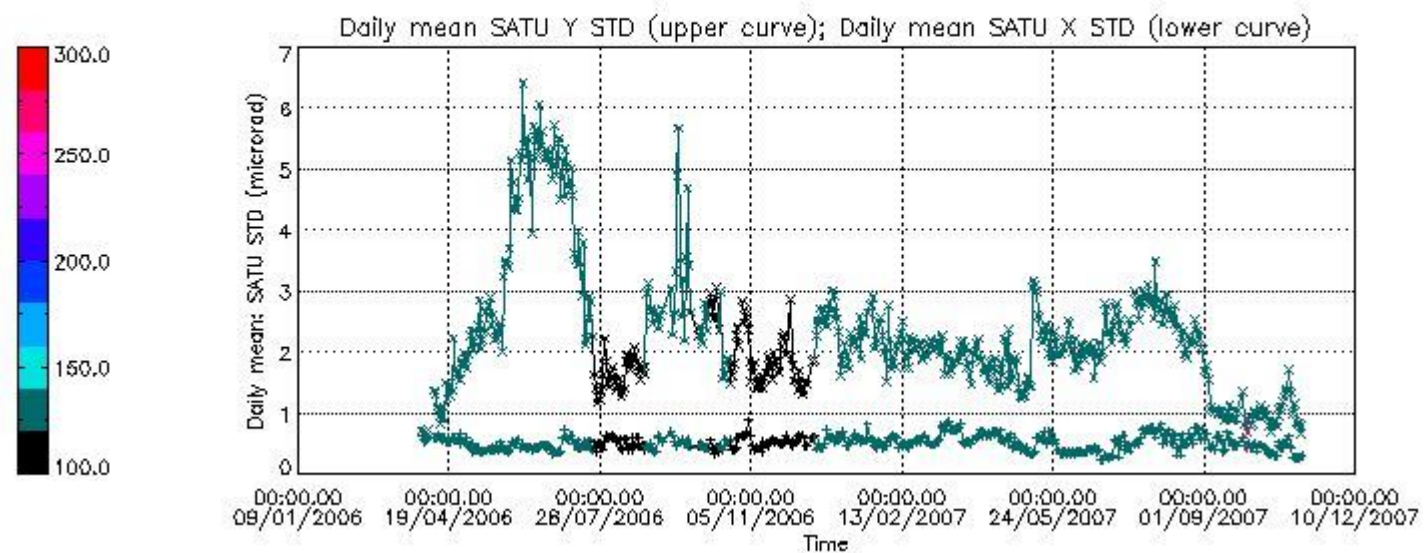
7.2.2 Trend of daily SATU NEA St. deviation since 1st April 2006 (dark limb)

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

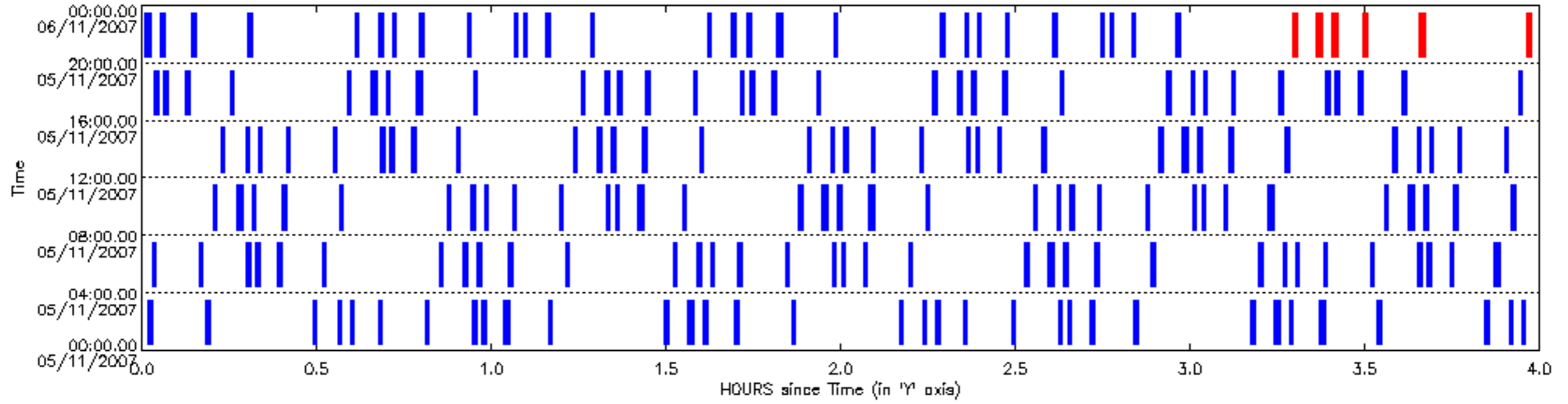
Lower curve: STD of SATU X axis

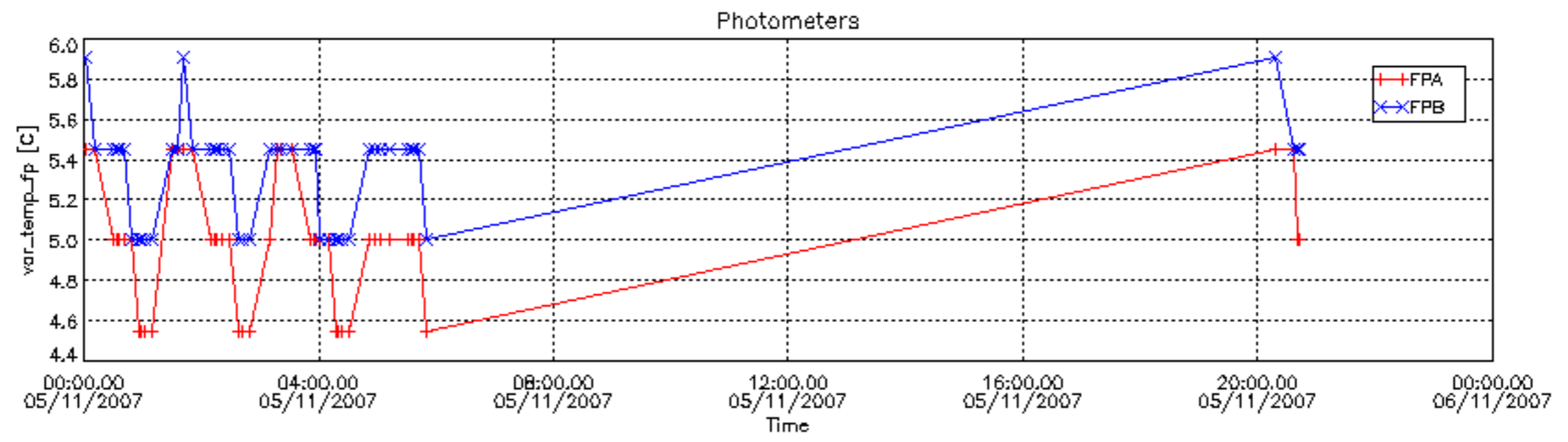
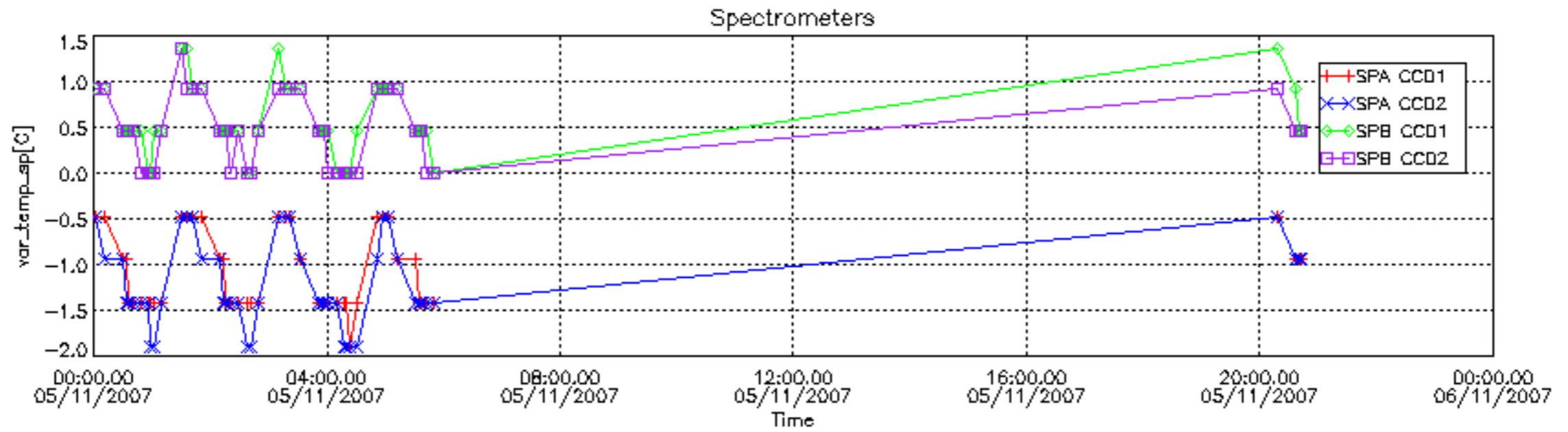


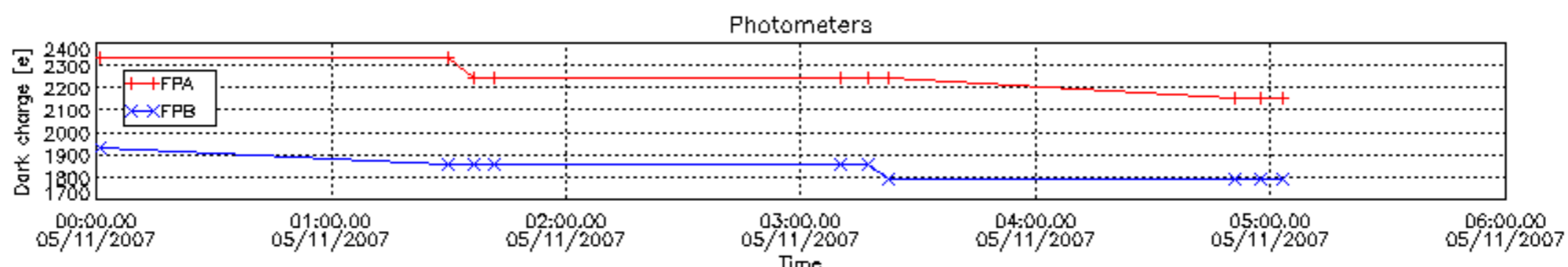
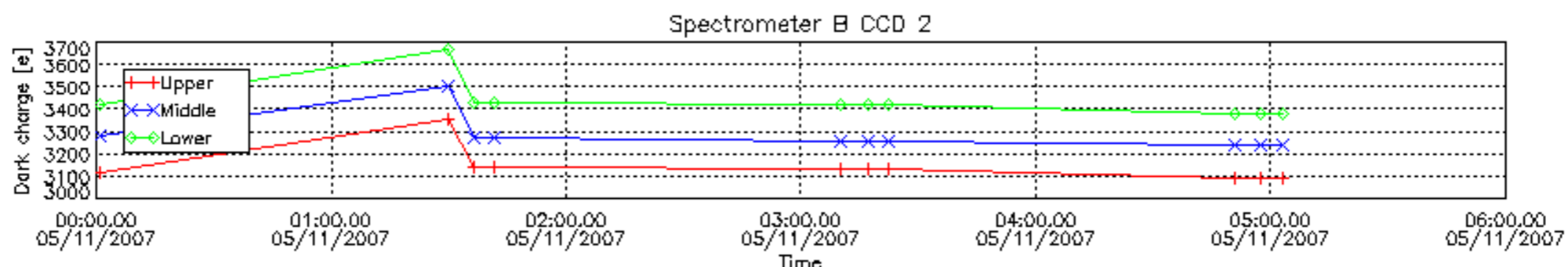
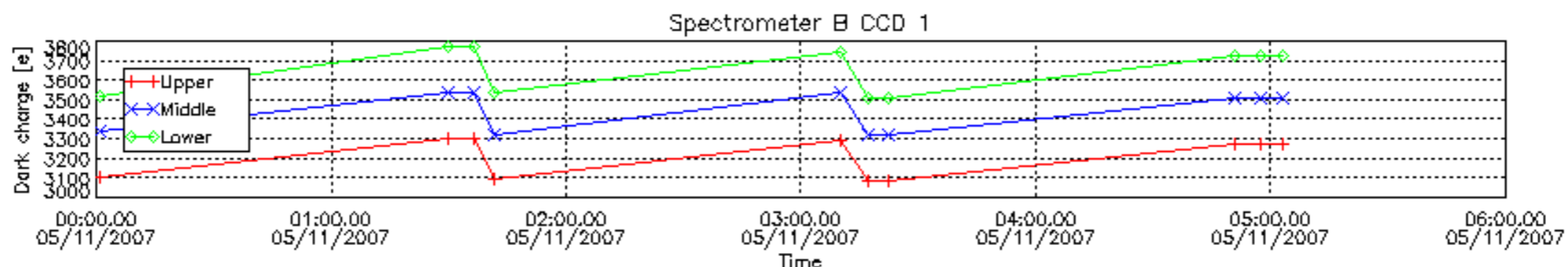
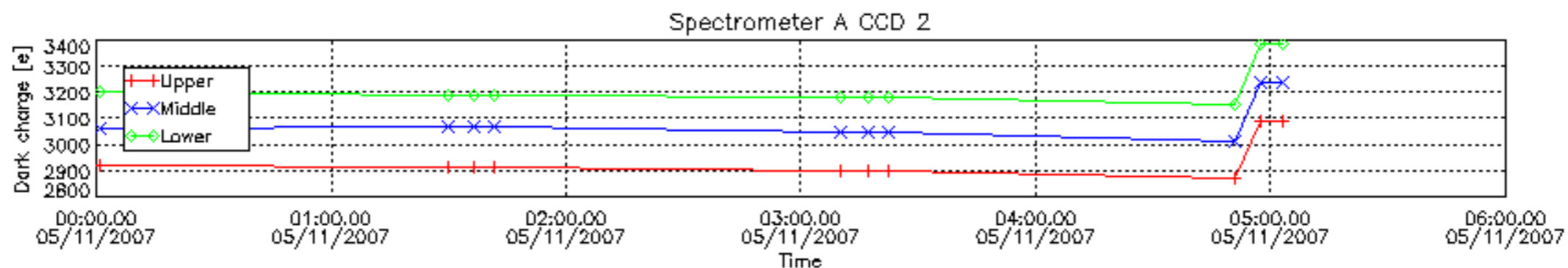
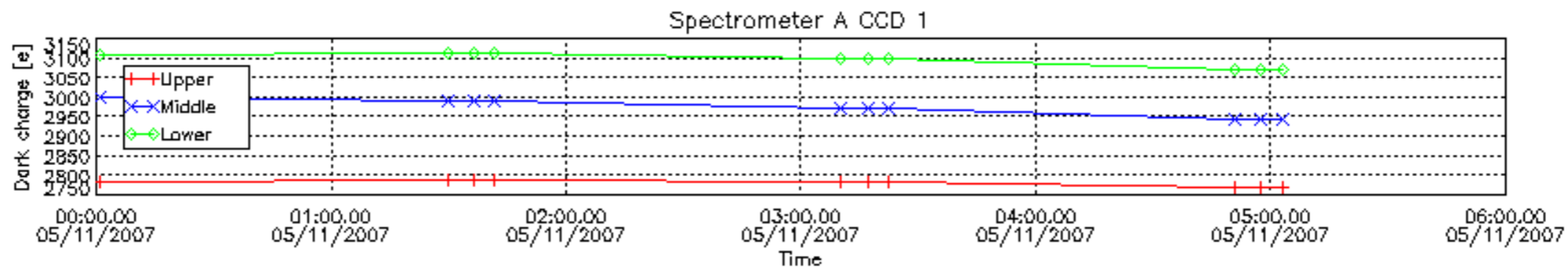
8. Auxiliary Data Files used for the production reported in section 2.4

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.

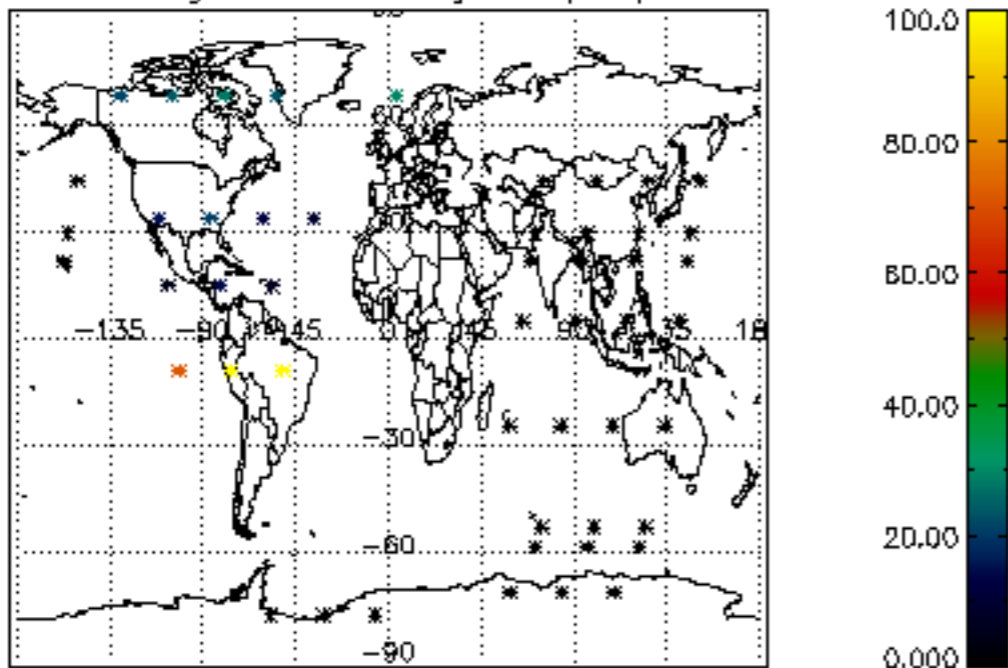
Type	Auxiliary Filename	Used since product	Used since product date
INST_PHYS_CHARACTERISTICS	GOM_INS_AXNIEC20050627_150713_20030716_120000_20100101_000000	1	05-NOV-2007 00:01:00
CALIBRATION_DATABASE	GOM_CAL_AXVIEC20071029_132344_20071028_000000_20100101_000000	1	05-NOV-2007 00:01:00
LEVEL-1B_PROC_CONFIG	GOM_PR1_AXNIEC20050627_151042_20020301_000000_20100101_000000	1	05-NOV-2007 00:01:00
STAR_CATALOGUE	GOM_CAT_AXVIEC20020121_161009_20020101_000000_20200101_000000	1	05-NOV-2007 00:01:00
STELLAR_SPECTRA_DATABANK	GOM_STS_AXNIEC20040308_103538_20020101_160000_20100101_000000	1	05-NOV-2007 00:01:00
ECMWF_FILE	AUX_ECF_AXNECM20071104_063113_20071104_210000_20071105_090000	1	05-NOV-2007 00:01:00
ECMWF_FILE	AUX_ECF_AXNECM20071105_110711_20071105_150000_20071106_030000	47	05-NOV-2007 20:18:10
OPTIONAL_ECMWF_FILE	MISSING	1	05-NOV-2007 00:01:00
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20071104_215831_000057382063_00086_29699_4495.N1	1	05-NOV-2007 00:01:00
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20071104_233928_000054192063_00087_29700_4496.N1	12	05-NOV-2007 01:29:44
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20071105_011506_000041442063_00088_29701_4497.N1	21	05-NOV-2007 02:37:20
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20071105_022929_000057382063_00089_29702_4498.N1	34	05-NOV-2007 04:17:56
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20071105_200649_000041442063_00100_29713_4500.N1	47	05-NOV-2007 20:18:10



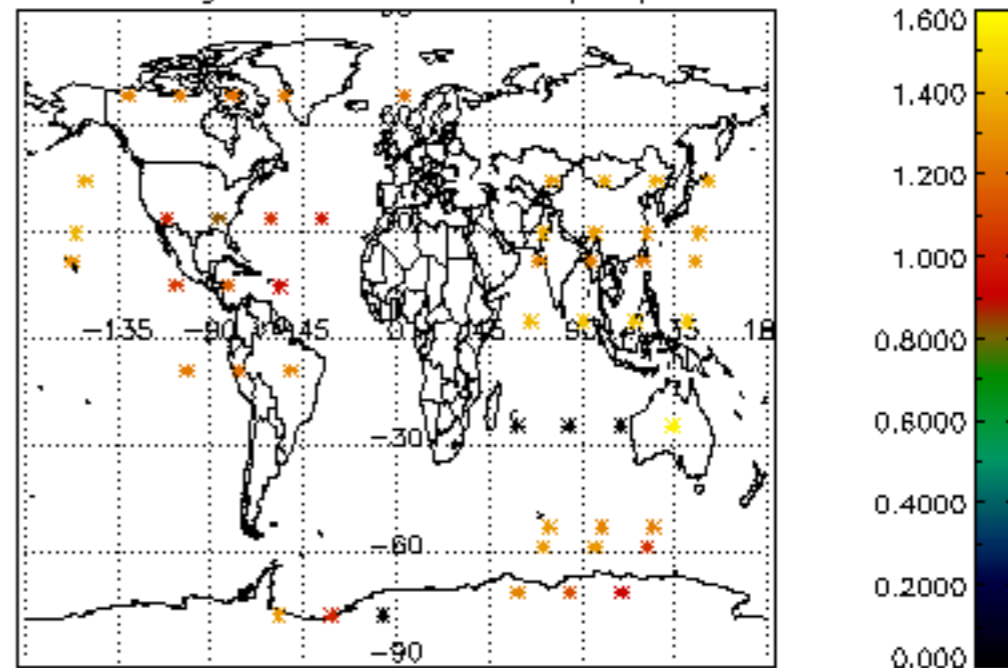




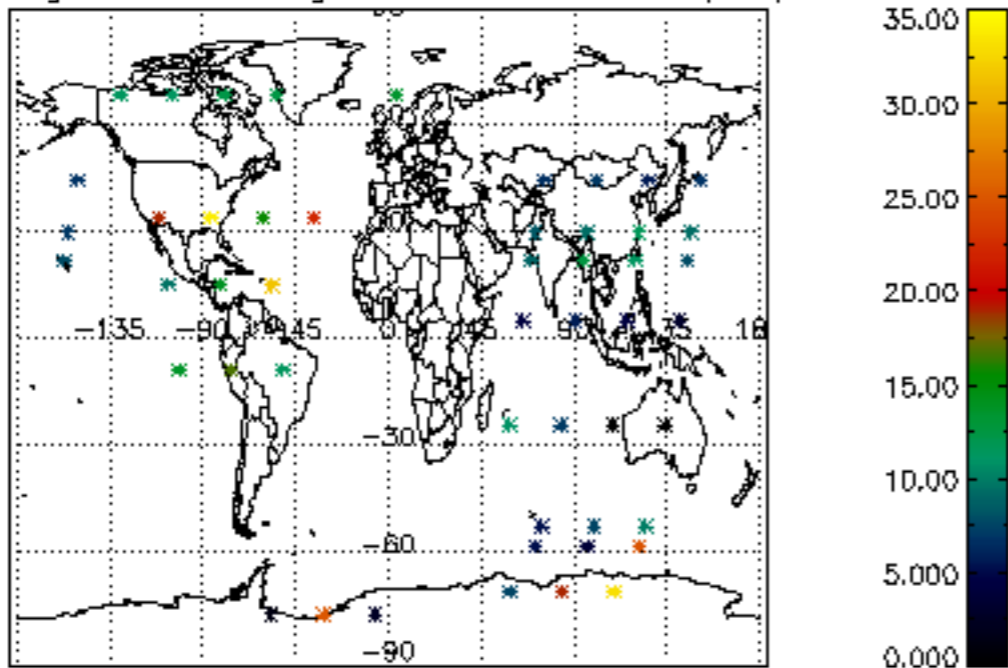
Percentage of cosmic ray hits per profile



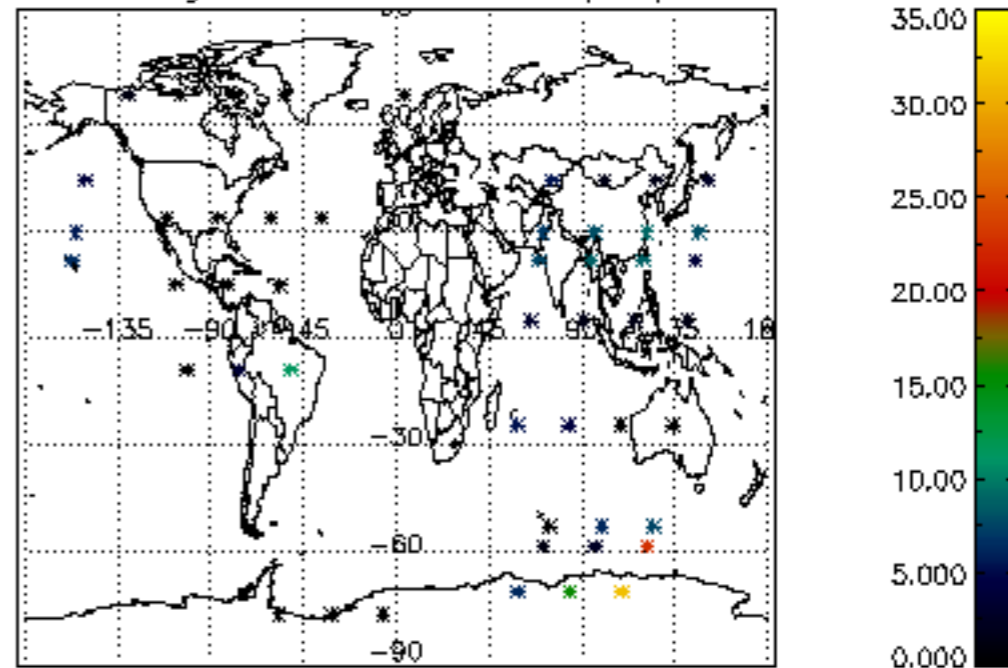
Percentage of datation errors per profile



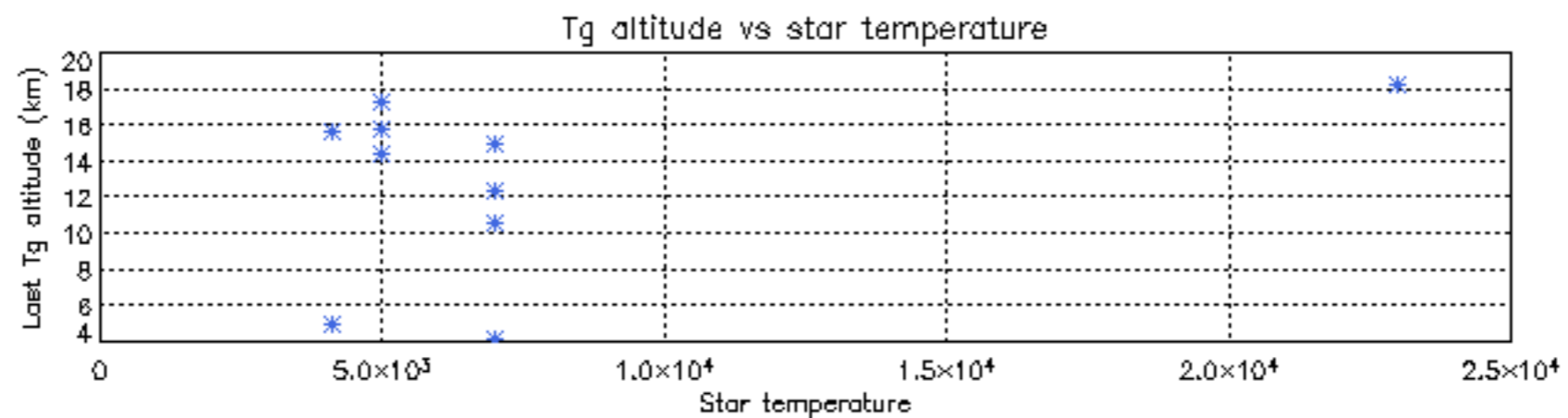
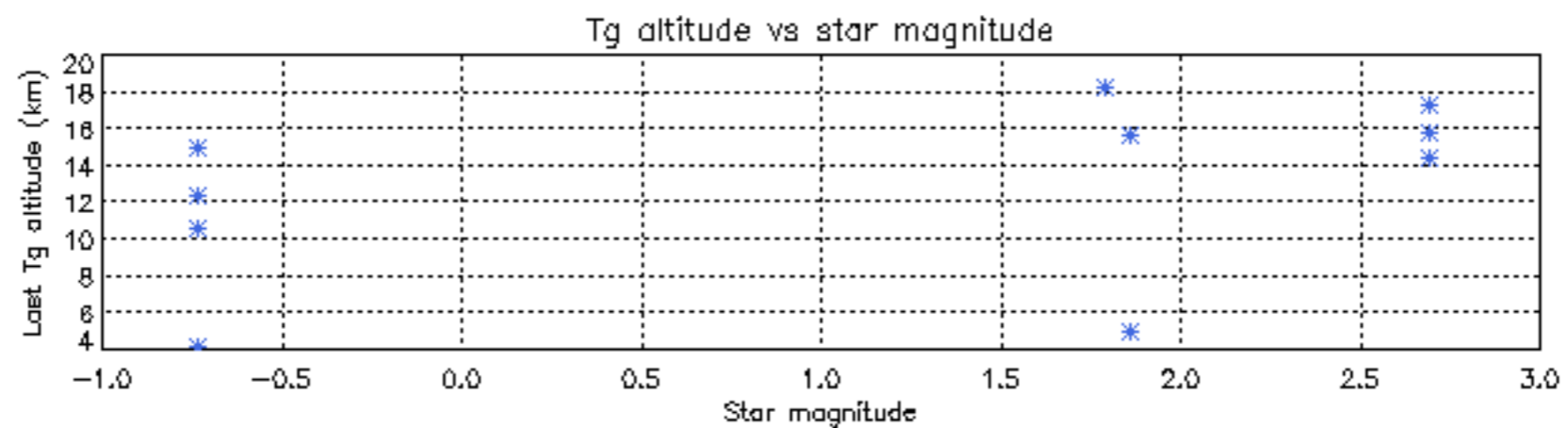
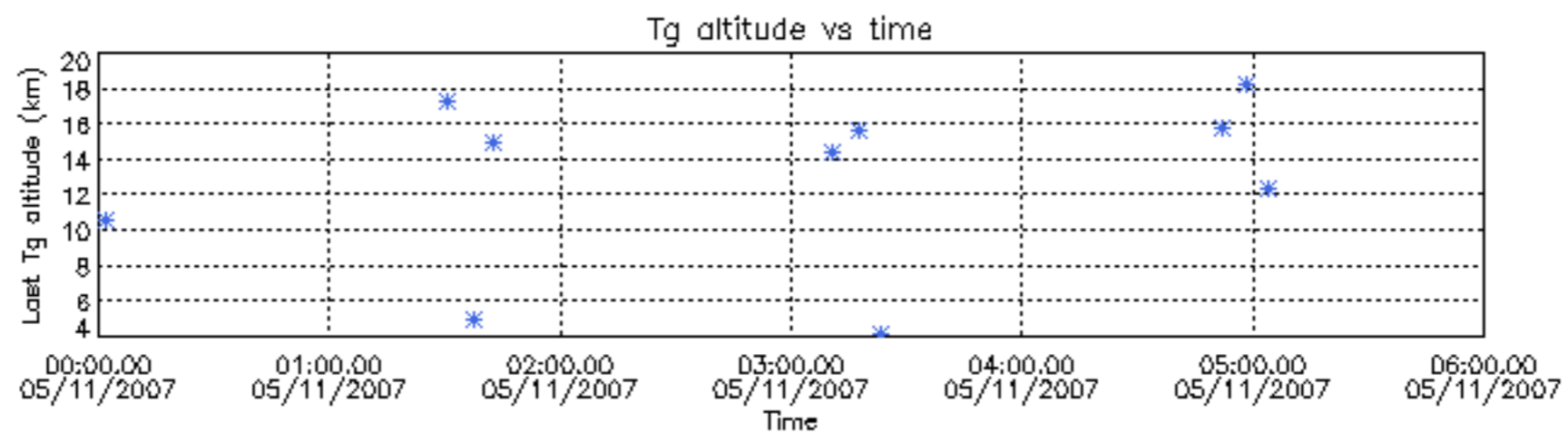
Percentage of star falling outside central band per profile



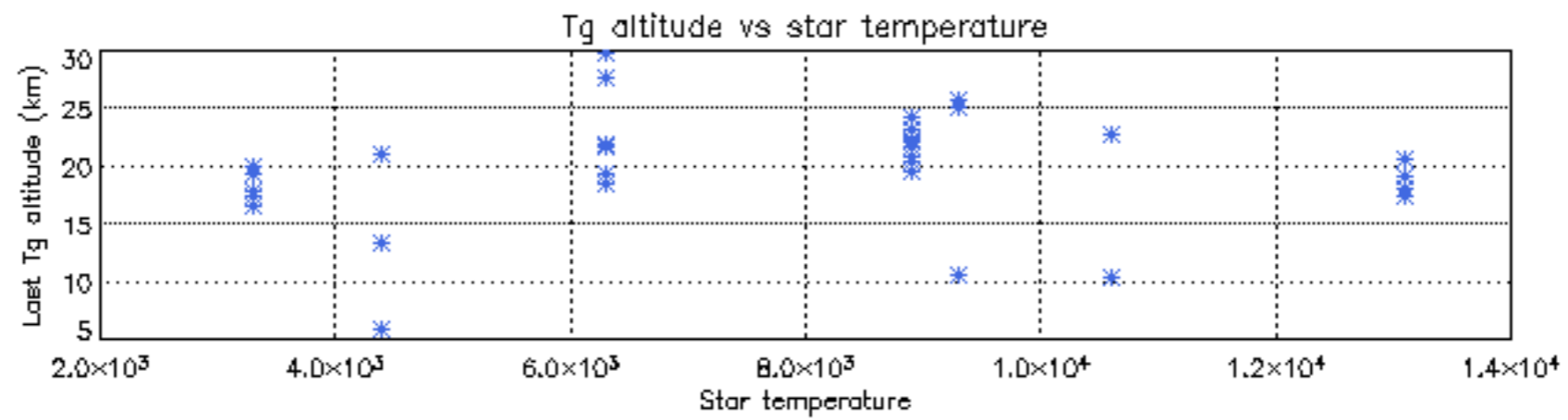
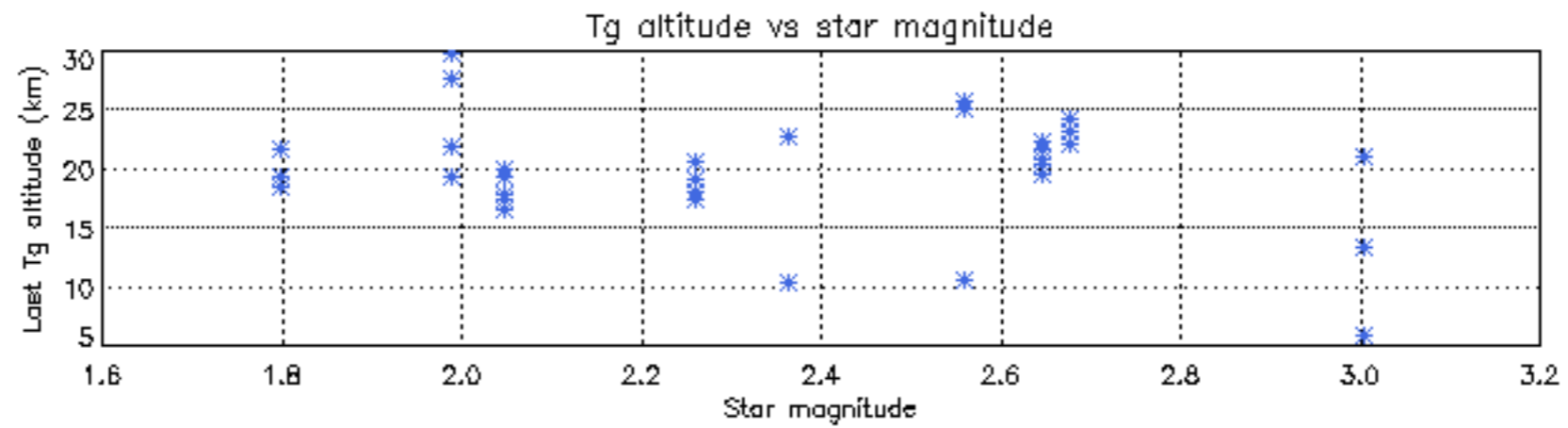
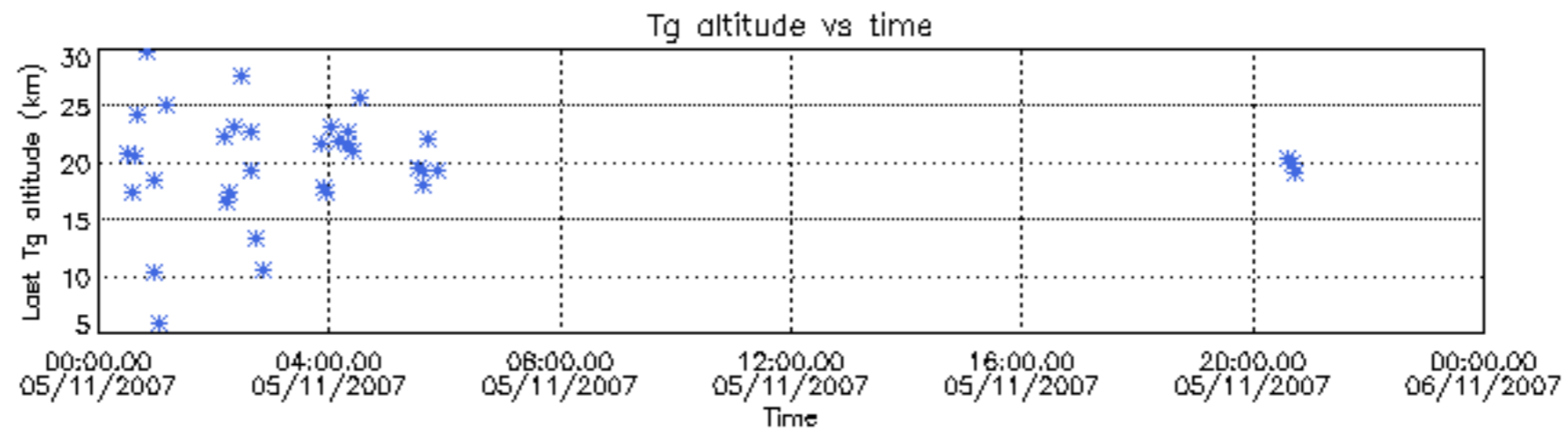
Percentage of saturation errors per profile

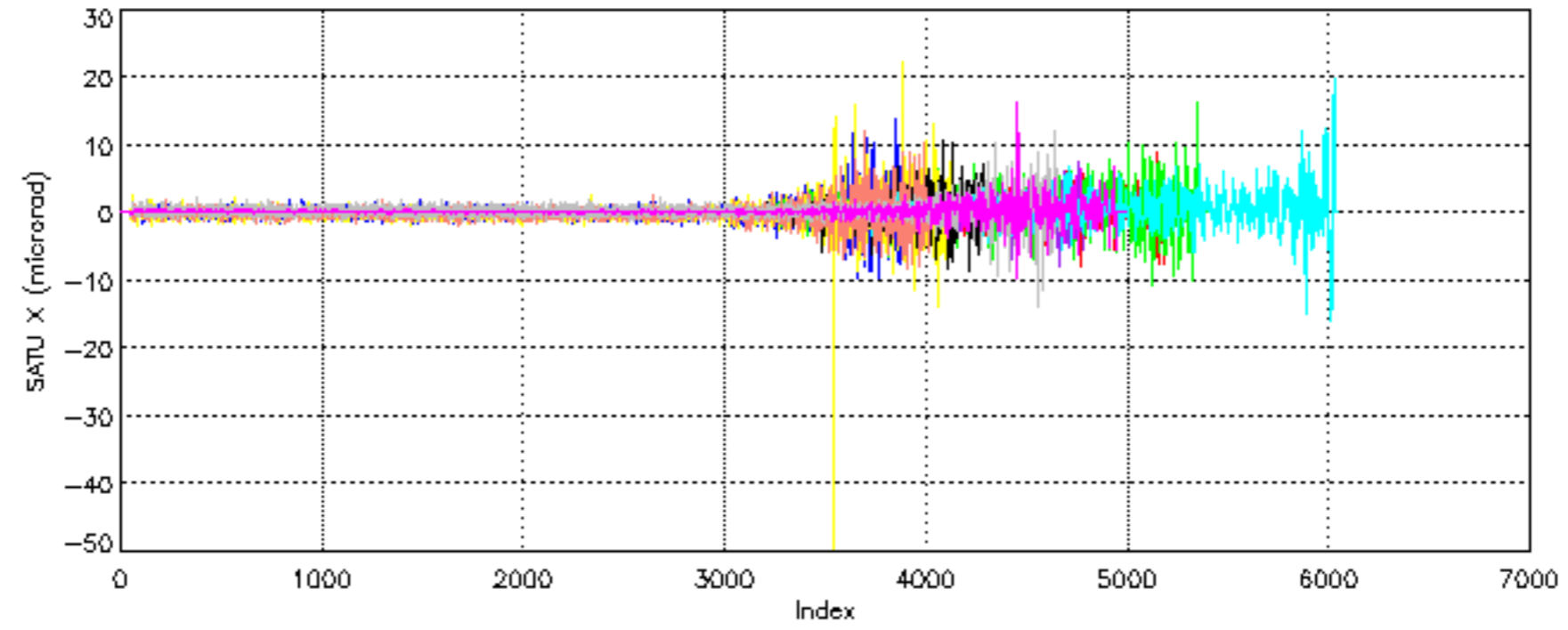


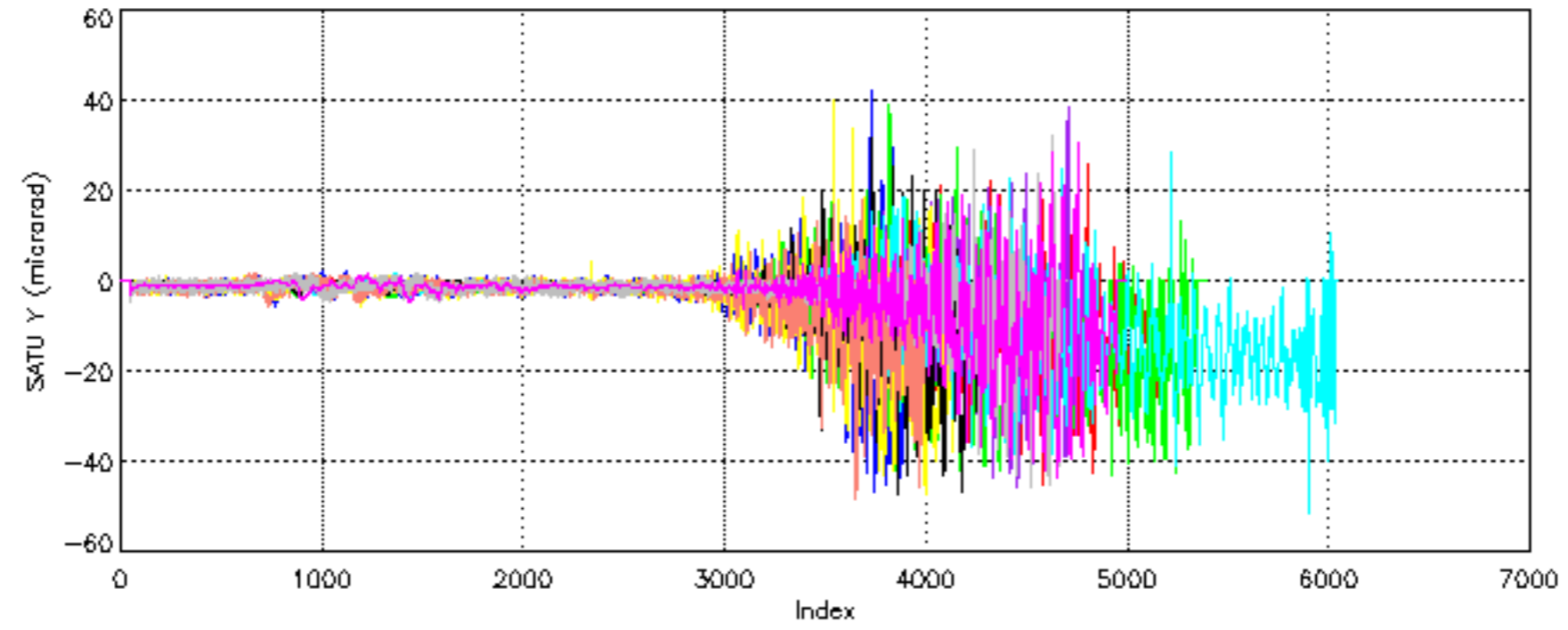
Tangent altitude at which the star is lost

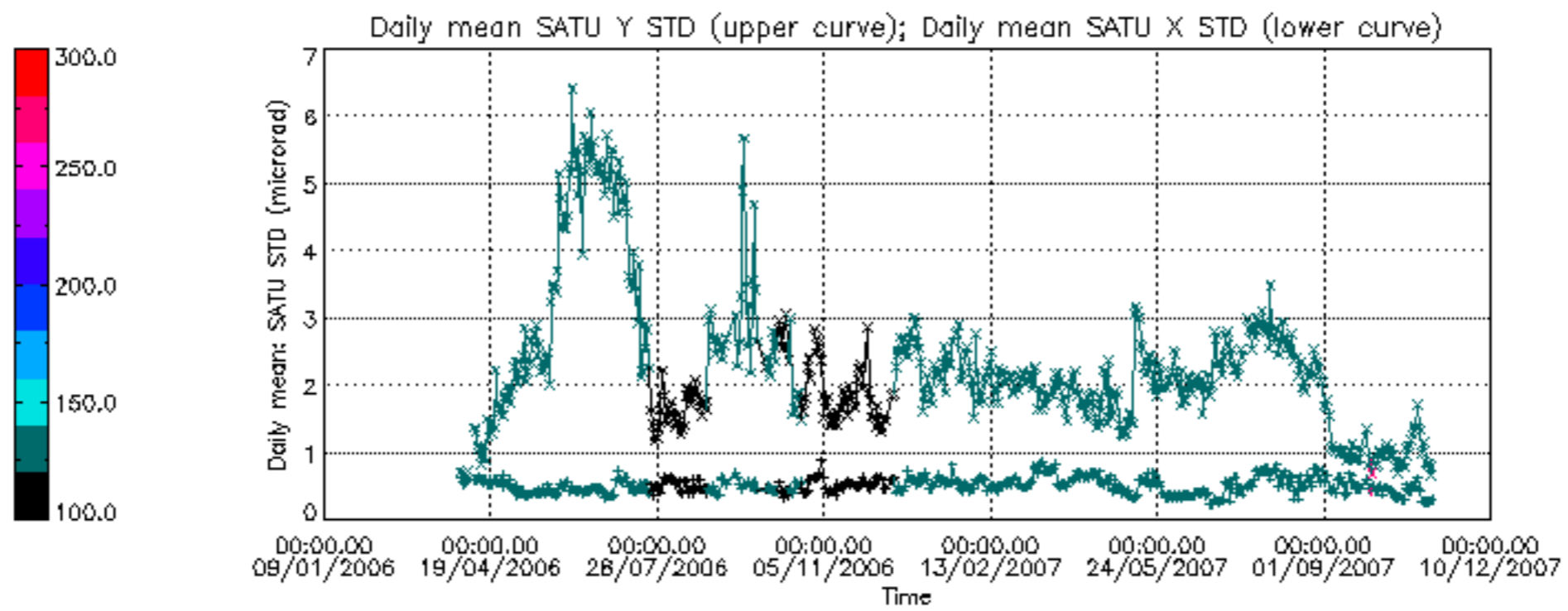


Tangent altitude at which the star is lost









/nas3/ENVISAT/GOMOS/GOM_NL__0P/GOM_NL__0PNPDE20071101_001704_000047352063_00030_29643_4652.N1

1;	-25.5;	01-NOV-2007	00:17:04;	Dark	;	48.5;	65;	Lam Vel	;	2.20;	4400;occ;	97;	0;	29643
2;	131.3;	01-NOV-2007	00:19:41;	Dark	;	41.0;	46;	Del Vel	;	1.95;	10600;occ;	82;	0;	29644
3;	212.3;	01-NOV-2007	00:21:02;	Dark	;	46.5;	41;	Eps Car	;	1.86;	4100;occ;	93;	0;	29644
4;	341.2;	01-NOV-2007	00:23:11;	Dark	;	59.5;	0;		;	0.00;	0;occ;	119;	0;	29644
5;	519.1;	01-NOV-2007	00:26:09;	Dark	;	49.5;	2;	Alp Car	;	-0.74;	7000;occ;	99;	0;	29644
6;	1138.9;	01-NOV-2007	00:36:29;	Dark	;	39.5;	157;	The1Eri	;	2.91;	9300;occ;	79;	0;	29644
7;	2274.5;	01-NOV-2007	00:55:24;	Bright;		40.0;	105;	6Bet Ari	;	2.64;	8900;occ;	80;	0;	29644
8;	2514.8;	01-NOV-2007	00:59:25;	Bright;		38.0;	53;	43Bet And	;	2.05;	3300;occ;	76;	0;	29644
9;	2662.9;	01-NOV-2007	01:01:53;	Bright;		38.5;	73;	57Gam1And	;	2.26;	13100;occ;	77;	0;	29644
10;	2867.3;	01-NOV-2007	01:05:17;	Bright;		35.5;	68;	18Alp Cas	;	2.22;	4500;occ;	71;	0;	29644
11;	2939.0;	01-NOV-2007	01:06:29;	Bright;		35.5;	76;	27Gam Cas	;	2.30;	30000;occ;	71;	0;	29644
12;	3423.6;	01-NOV-2007	01:14:34;	Bright;		35.5;	49;	1Alp UMi	;	1.99;	6300;occ;	71;	0;	29644
13;	3912.7;	01-NOV-2007	01:22:43;	Bright;		38.0;	36;	50Alp UMa	;	1.80;	6300;occ;	76;	0;	29644
14;	4009.0;	01-NOV-2007	01:24:19;	Bright;		56.0;	82;	48Bet UMa	;	2.37;	10600;occ;	112;	0;	29644
15;	4229.4;	01-NOV-2007	01:27:59;	Bright;		56.0;	174;	52Psi UMa	;	3.00;	4400;occ;	112;	0;	29644
16;	4671.4;	01-NOV-2007	01:35:21;	Bright;		39.0;	96;	68Del Leo	;	2.56;	9300;occ;	78;	0;	29644

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1;	-24.7;	01-NOV-2007	01:57:41;	Dark	;	44.5;	65;	Lam Vel	;	2.20;	4400;occ;	89;	0;	29644
2;	131.9;	01-NOV-2007	02:00:18;	Dark	;	41.0;	46;	Del Vel	;	1.95;	10600;occ;	82;	0;	29645
3;	213.0;	01-NOV-2007	02:01:39;	Dark	;	42.0;	41;	Eps Car	;	1.86;	4100;occ;	84;	0;	29645
4;	342.2;	01-NOV-2007	02:03:48;	Dark	;	59.5;	0;		;	0.00;	0;occ;	119;	0;	29645
5;	519.9;	01-NOV-2007	02:06:46;	Dark	;	53.0;	2;	Alp Car	;	-0.74;	7000;occ;	106;	0;	29645
6;	1139.3;	01-NOV-2007	02:17:05;	Dark	;	40.5;	157;	The1Eri	;	2.91;	9300;occ;	81;	0;	29645
7;	2274.5;	01-NOV-2007	02:36:00;	Bright;		38.0;	105;	6Bet Ari	;	2.64;	8900;occ;	76;	0;	29645
8;	2514.7;	01-NOV-2007	02:40:00;	Bright;		35.5;	53;	43Bet And	;	2.05;	3300;occ;	71;	0;	29645
9;	2662.6;	01-NOV-2007	02:42:28;	Bright;		40.0;	73;	57Gam1And	;	2.26;	13100;occ;	80;	0;	29645
10;	2867.4;	01-NOV-2007	02:45:53;	Bright;		35.5;	68;	18Alp Cas	;	2.22;	4500;occ;	71;	0;	29645
11;	2938.9;	01-NOV-2007	02:47:05;	Bright;		34.5;	76;	27Gam Cas	;	2.30;	30000;occ;	69;	0;	29645
12;	3423.6;	01-NOV-2007	02:55:09;	Bright;		33.5;	49;	1Alp UMi	;	1.99;	6300;occ;	67;	0;	29645

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1;	-2123.3;	01-NOV-2007	03:03:18;	Bright;		38.5;	36;	50Alp UMa	;	1.80;	6300;occ;	77;	0;	29645
2;	-2026.9;	01-NOV-2007	03:04:55;	Bright;		36.0;	82;	48Bet UMa	;	2.37;	10600;occ;	72;	0;	29645
3;	-1806.6;	01-NOV-2007	03:08:35;	Bright;		37.5;	174;	52Psi UMa	;	3.00;	4400;occ;	75;	0;	29645
4;	-1364.1;	01-NOV-2007	03:15:58;	Bright;		38.5;	96;	68Del Leo	;	2.56;	9300;occ;	77;	0;	29645
5;	-23.7;	01-NOV-2007	03:38:18;	Dark	;	52.5;	65;	Lam Vel	;	2.20;	4400;occ;	105;	0;	29645
6;	132.7;	01-NOV-2007	03:40:54;	Dark	;	42.5;	46;	Del Vel	;	1.95;	10600;occ;	85;	0;	29646
7;	213.6;	01-NOV-2007	03:42:15;	Dark	;	41.0;	41;	Eps Car	;	1.86;	4100;occ;	82;	0;	29646
8;	343.1;	01-NOV-2007	03:44:25;	Dark	;	59.5;	0;		;	0.00;	0;occ;	119;	0;	29646
9;	520.8;	01-NOV-2007	03:47:22;	Dark	;	48.5;	2;	Alp Car	;	-0.74;	7000;occ;	97;	0;	29646
10;	1139.7;	01-NOV-2007	03:57:41;	Dark	;	41.0;	157;	The1Eri	;	2.91;	9300;occ;	82;	0;	29646
11;	2274.3;	01-NOV-2007	04:16:36;	Bright;		38.5;	105;	6Bet Ari	;	2.64;	8900;occ;	77;	0;	29646
12;	2514.8;	01-NOV-2007	04:20:36;	Bright;		36.5;	53;	43Bet And	;	2.05;	3300;occ;	73;	0;	29646
13;	2662.4;	01-NOV-2007	04:23:04;	Bright;		40.5;	73;	57Gam1And	;	2.26;	13100;occ;	81;	0;	29646
14;	2867.5;	01-NOV-2007	04:26:29;	Bright;		36.5;	68;	18Alp Cas	;	2.22;	4500;occ;	73;	0;	29646
15;	2939.1;	01-NOV-2007	04:27:41;	Bright;		35.5;	76;	27Gam Cas	;	2.30;	30000;occ;	71;	0;	29646
16;	3423.8;	01-NOV-2007	04:35:45;	Bright;		33.0;	49;	1Alp UMi	;	1.99;	6300;occ;	66;	0;	29646

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1;	-2123.4;	01-NOV-2007	04:43:54;	Bright;		39.5;	36;	50Alp UMa	;	1.80;	6300;occ;	79;	0;	29646
2;	-2026.9;	01-NOV-2007	04:45:31;	Bright;		43.0;	82;	48Bet UMa	;	2.37;	10600;occ;	86;	0;	29646
3;	-1806.6;	01-NOV-2007	04:49:11;	Bright;		56.0;	174;	52Psi UMa	;	3.00;	4400;occ;	112;	0;	29646
4;	-1364.1;	01-NOV-2007	04:56:34;	Bright;		42.0;	96;	68Del Leo	;	2.56;	9300;occ;	84;	0;	29646
5;	-22.9;	01-NOV-2007	05:18:55;	Dark	;	49.0;	65;	Lam Vel	;	2.20;	4400;occ;	98;	0;	29646
6;	133.2;	01-NOV-2007	05:21:31;	Dark	;	45.0;	46;	Del Vel	;	1.95;	10600;occ;	90;	0;	29647
7;	214.2;	01-NOV-2007	05:22:52;	Dark	;	50.5;	41;	Eps Car	;	1.86;	4100;occ;	101;	0;	29647
8;	344.1;	01-NOV-2007	05:25:02;	Dark	;	59.5;	0;		;	0.00;	0;occ;	119;	0;	29647
9;	521.5;	01-NOV-2007	05:27:59;	Dark	;	63.0;	2;	Alp Car	;	-0.74;	7000;occ;	126;	0;	29647
10;	1140.0;	01-NOV-2007	05:38:18;	Dark	;	38.0;	157;	The1Eri	;	2.91;	9300;occ;	76;	0;	29647
11;	2274.2;	01-NOV-2007	05:57:12;	Bright;		37.5;	105;	6Bet Ari	;	2.64;	8900;occ;	75;	0;	29647
12;	2514.7;	01-NOV-2007	06:01:12;	Bright;		39.5;	53;	43Bet And	;	2.05;	3300;occ;	79;	0;	29647
13;	2662.1;	01-NOV-2007	06:03:40;	Bright;		40.5;	73;	57Gam1And	;	2.26;	13100;occ;	81;	0;	29647
14;	2867.6;	01-NOV-2007	06:07:05;	Bright;		35.5;	68;	18Alp Cas	;	2.22;	4500;occ;	71;	0;	29647
15;	2939.1;	01-NOV-2007	06:08:17;	Bright;		35.5;	76;	27Gam Cas	;	2.30;	30000;occ;	71;	0;	29647
16;	3423.7;	01-NOV-2007	06:16:21;	Bright;		35.5;	49;	1Alp UMi	;	1.99;	6300;occ;	71;	0;	29647

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1;	1143.1;	01-NOV-2007	20:43:44;	Dark	;	41.0;	157;	The1Eri	;	2.91;	9300;occ;	82;	0;	29656
2;	2272.6;	01-NOV-2007	21:02:34;	Bright;		38.5;	105;	6Bet Ari	;	2.64;	8900;occ;	77;	0;	29656
3;	2514.4;	01-NOV-2007	21:06:36;	Bright;		37.0;	53;	43Bet And	;	2.05;	3300;occ;	74;	0;	29656

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4; 2659.6; 01-NOV-2007 21:09:01; Bright; 40.0; 73; 57Gam1And ; 2.26; 13100;occ; 80; 0;29656
5; 2867.7; 01-NOV-2007 21:12:29; Bright; 37.0; 68; 18Alp Cas ; 2.22; 4500;occ; 74; 0;29656
6; 2938.7; 01-NOV-2007 21:13:40; Bright; 36.5; 76; 27Gam Cas ; 2.30; 30000;occ; 73; 0;29656
7; 3423.7; 01-NOV-2007 21:21:45; Bright; 37.0; 49; 1Alp UMi ; 1.99; 6300;occ; 74; 0;29656
8; 3911.5; 01-NOV-2007 21:29:53; Bright; 39.5; 36; 50Alp UMA ; 1.80; 6300;occ; 79; 0;29656
9; 4008.4; 01-NOV-2007 21:31:29; Bright; 56.0; 82; 48Bet UMA ; 2.37; 10600;occ; 112; 0;29656
10; 4229.7; 01-NOV-2007 21:35:11; Bright; 57.0; 174; 52Psi UMA ; 3.00; 4400;occ; 114; 0;29656
11; 4674.8; 01-NOV-2007 21:42:36; Bright; 38.0; 96; 68Del Leo ; 2.56; 9300;occ; 76; 0;29656
/nas3/ENVISAT/GOMOS/GOM_NL__0P/GOM_NL__0PNPDK20071101_062430_000033042063_00034_29647_9262.N1
1; -2123.5; 01-NOV-2007 06:24:30; Bright; 37.0; 36; 50Alp UMA ; 1.80; 6300;occ; 74; 0;29647
2; -2026.9; 01-NOV-2007 06:26:07; Bright; 36.0; 82; 48Bet UMA ; 2.37; 10600;occ; 72; 0;29647
3; -1806.4; 01-NOV-2007 06:29:47; Bright; 37.0; 174; 52Psi UMA ; 3.00; 4400;occ; 74; 0;29647
4; -1363.6; 01-NOV-2007 06:37:10; Bright; 45.5; 96; 68Del Leo ; 2.56; 9300;occ; 91; 0;29647
5; -22.0; 01-NOV-2007 06:59:32; Dark ; 58.0; 65; Lam Vel ; 2.20; 4400;occ; 116; 0;29647
6; 134.0; 01-NOV-2007 07:02:08; Dark ; 42.0; 46; Del Vel ; 1.95; 10600;occ; 84; 0;29648
7; 214.8; 01-NOV-2007 07:03:28; Dark ; 40.5; 41; Eps Car ; 1.86; 4100;occ; 81; 0;29648
8; 345.0; 01-NOV-2007 07:05:39; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;29648
9; 522.3; 01-NOV-2007 07:08:36; Dark ; 49.5; 2; Alp Car ; -0.74; 7000;occ; 99; 0;29648
10; 1140.5; 01-NOV-2007 07:18:54; Dark ; 40.5; 157; The1Eri ; 2.91; 9300;occ; 81; 0;29648
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1; 2274.1; 01-NOV-2007 07:37:48; Bright; 37.0; 105; 6Bet Ari ; 2.64; 8900;occ; 74; 0;29648
2; 2514.7; 01-NOV-2007 07:41:48; Bright; 36.5; 53; 43Bet And ; 2.05; 3300;occ; 73; 0;29648
3; 2661.8; 01-NOV-2007 07:44:15; Bright; 38.0; 73; 57Gam1And ; 2.26; 13100;occ; 76; 0;29648
4; 2867.6; 01-NOV-2007 07:47:41; Bright; 37.0; 68; 18Alp Cas ; 2.22; 4500;occ; 74; 0;29648
5; 2939.0; 01-NOV-2007 07:48:53; Bright; 36.0; 76; 27Gam Cas ; 2.30; 30000;occ; 72; 0;29648
6; 3423.7; 01-NOV-2007 07:56:57; Bright; 36.0; 49; 1Alp UMi ; 1.99; 6300;occ; 72; 0;29648
7; 3912.5; 01-NOV-2007 08:05:06; Bright; 39.5; 36; 50Alp UMA ; 1.80; 6300;occ; 79; 0;29648
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 14; 5095.6; 28-NOV-2007 09:16:30; Bright; 41.5; 121; 29Gam Vir ; 2.74; 7200;occ; 83; 0;30035
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6; 2747.6; 28-NOV-2007 11:58:34; Bright; 37.0; 175; 39Del Per ; 3.01; 19400;occ; 74; 0;30037
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23; 6820.4; 28-NOV-2007 13:06:27; Dark ; 44.0; 2; Alp Car ; -0.74; 7000;occ; 88; 0;30037

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7; 3422.0; 28-NOV-2007 15:31:00; Bright; 36.0; 49; 1Alp UMi ; 1.99; 6300;occ; 72; 0;30039
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 4; -163.0; 28-NOV-2007 22:54:15; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;30043
 5; 59.9; 28-NOV-2007 22:57:57; Dark ; 42.0; 113; Mu Vel ; 2.69; 5000;occ; 84; 0;30044
 6; 188.7; 28-NOV-2007 23:00:06; Dark ; 36.5; 124; The Car ; 2.76; 30000;occ; 73; 0;30044
 7; 357.3; 28-NOV-2007 23:02:55; Dark ; 37.5; 29; Bet Car ; 1.67; 10200;occ; 75; 0;30044
 8; 462.9; 28-NOV-2007 23:04:40; Dark ; 43.0; 41; Eps Car ; 1.86; 4100;occ; 86; 0;30044
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10; 1655.4; 28-NOV-2007 23:24:33; Dark ; 45.0; 165; 34Gam Eri ; 2.95; 3200;occ; 90; 0;30044
11; 1977.4; 28-NOV-2007 23:29:55; Dark ; 45.0; 94; 92Alp Cet ; 2.53; 3100;occ; 90; 0;30044
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13; 2479.9; 28-NOV-2007 23:38:17; Bright; 39.5; 150; 44Zet Per ; 2.89; 28000;occ; 79; 0;30044

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 17; 3699.8; 28-NOV-2007 23:58:37; Bright; 37.0; 60; 7Bet UMi ; 2.08; 3950;occ; 74; 0;30044
 18; 4017.5; 29-NOV-2007 00:03:55; Bright; 40.0; 32; 77Eps UMa ; 1.76; 11000;occ; 80; 0;30044
 19; 4137.1; 29-NOV-2007 00:05:55; Bright; 36.5; 39; 85Eta UMa ; 1.85; 24000;occ; 73; 0;30044
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 21; 4638.5; 29-NOV-2007 00:14:16; Bright; 33.5; 3; 16Alp Boo ;-0.05; 4250;occ; 67; 0;30044
 22; 4846.9; 29-NOV-2007 00:17:44; Bright; 37.5; 138; 47Eps Vir ; 2.83; 4700;occ; 75; 0;30044
 23; 5100.1; 29-NOV-2007 00:21:58; Bright; 42.0; 121; 29Gam Vir ; 2.74; 7200;occ; 84; 0;30044
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 5; 189.1; 29-NOV-2007 00:40:42; Dark ; 36.5; 124; The Car ; 2.76; 30000;occ; 73; 0;30045
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 16; 3699.9; 29-NOV-2007 01:39:13; Bright; 37.0; 60; 7Bet UMi ; 2.08; 3950;occ; 74; 0;30045
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 9; 358.2; 29-NOV-2007 02:24:07; Dark ; 40.0; 29; Bet Car ; 1.67; 10200;occ; 80; 0;30046
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 5; -1396.9; 29-NOV-2007 03:35:28; Bright; 33.0; 3; 16Alp Boo ;-0.05; 4250;occ; 66; 0;30046
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22; 4138.6; 30-NOV-2007 23:02:42; Bright; 37.0; 39; 85Eta UMa ; 1.85; 24000;occ; 74; 0;30072
23; 4312.3; 30-NOV-2007 23:05:36; Bright; 34.0; 180; 27Gam Boo ; 3.04; 8000;occ; 68; 0;30072
24; 4643.9; 30-NOV-2007 23:11:07; Bright; 33.5; 3; 16Alp Boo ; -0.05; 4250;occ; 67; 0;30072
25; 4857.1; 30-NOV-2007 23:14:41; Bright; 41.0; 138; 47Eps Vir ; 2.83; 4700;occ; 82; 0;30072
26; 5204.0; 30-NOV-2007 23:20:28; Bright; 39.0; 15; 67Alp Vir ; 0.98; 28000;occ; 78; 0;30072
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2; -538.0; 30-NOV-2007 23:25:21; Dark ; 47.5; 106; 9Bet Crv ; 2.65; 5600;occ; 95; 0;30072
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4; -145.8; 30-NOV-2007 23:31:54; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;30072
5; -47.0; 30-NOV-2007 23:33:32; Dark ; 42.0; 26; Gam Cru ; 1.62; 2900;occ; 84; 0;30072
6; 82.4; 30-NOV-2007 23:35:42; Dark ; 42.0; 113; Mu Vel ; 2.69; 5000;occ; 84; 0;30073
7; 201.9; 30-NOV-2007 23:37:41; Dark ; 37.5; 124; The Car ; 2.76; 30000;occ; 75; 0;30073
8; 369.2; 30-NOV-2007 23:40:29; Dark ; 38.5; 29; Bet Car ; 1.67; 10200;occ; 77; 0;30073
9; 481.0; 30-NOV-2007 23:42:20; Dark ; 44.0; 41; Eps Car ; 1.86; 4100;occ; 88; 0;30073
10; 803.3; 30-NOV-2007 23:47:43; Dark ; 58.0; 2; Alp Car ; -0.74; 7000;occ; 116; 0;30073
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13; 2330.1; 01-DEC-2007 00:13:09; Bright; 37.5; 146; 25Eta Tau ; 2.87; 15200;occ; 75; 0;30073
14; 2472.6; 01-DEC-2007 00:15:32; Bright; 38.5; 150; 44Zet Per ; 2.89; 28000;occ; 77; 0;30073
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16; 2739.7; 01-DEC-2007 00:19:59; Bright; 35.5; 175; 39Del Per ; 3.01; 19400;occ; 71; 0;30073
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