

GOMOS Daily Report 18-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	20NOV2007 05:52:25
Data source version	GOMOS/5.00
Start time of products	QDS_YESTERDAY(/START)-1D (18NOV2007 00:00:00)
Stop time of products	QDS_YESTERDAY(/STOP)-1D (19NOV2007 00:00:00)
Store outputs in DB	Yes
Nb of level 1b prods	48
Nb of prods with errors	0

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

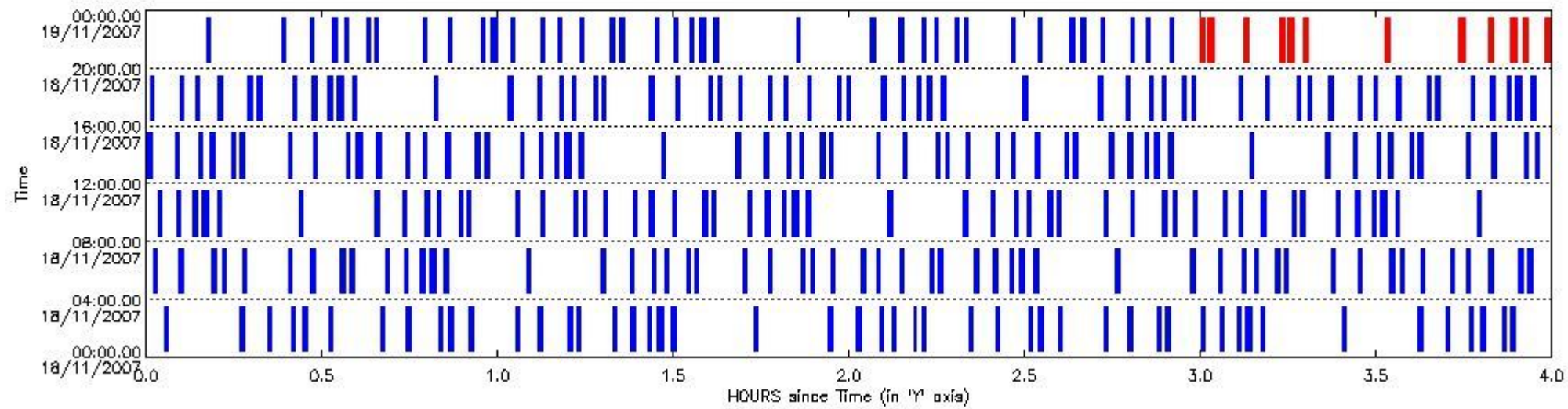
2.1 Level 0 products arrived in PCF (see template [here](#))

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).



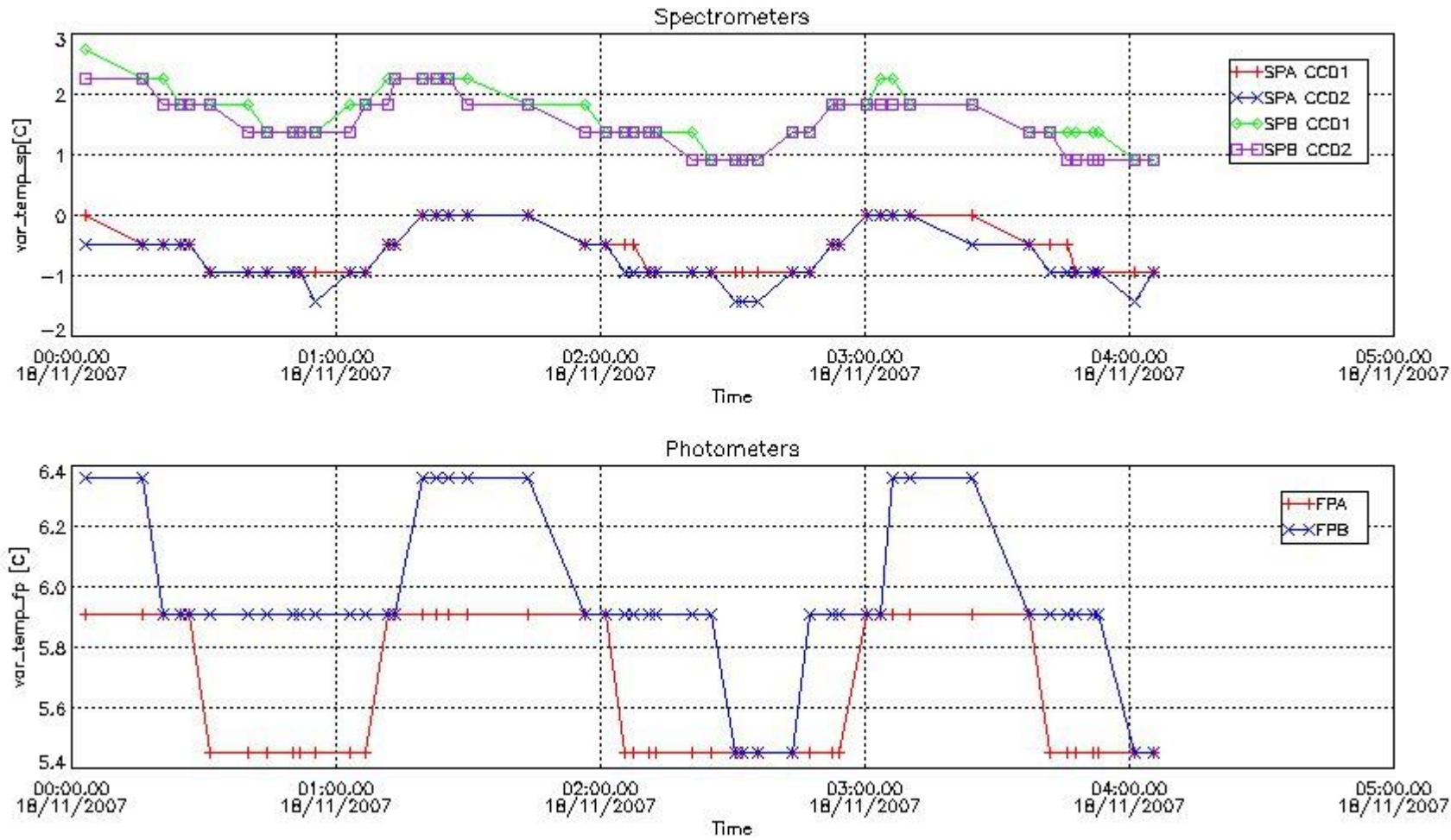
2.3 Summary of missing occultations (red segments in previous plot)

UTC start time	Star name	Star ID	Orbit
18-NOV-2007 22:59:49	4GamCrv	100	29900
18-NOV-2007 23:01:21	2EpsCrv	171	29900
18-NOV-2007 23:07:26	GamCen	64	29900
18-NOV-2007 23:13:29	TheCar	124	29901
18-NOV-2007 23:15:01	DSA1029	0	29901
18-NOV-2007 23:17:33	EpsCar	41	29901
18-NOV-2007 23:31:31	The1Eri	157	29901
18-NOV-2007 23:44:14	92AlpCet	94	29901
18-NOV-2007 23:49:08	6BetAri	105	29901
18-NOV-2007 23:53:04	4BetTri	173	29901
18-NOV-2007 23:55:08	57Gam1And	73	29901
18-NOV-2007 23:58:44	23GamPer	160	29901

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_1PNPDE20071118_000306_000000382063_00274_29887_1666.N1	18-NOV-2007 00:03:06	Straylight	37.500	157	The1Eri	2.9060	9300.0	75	29887	No
2	GOM_TRA_1PNPDE20071118_001553_000000482063_00274_29887_1667.N1	18-NOV-2007 00:15:53	Twilight	48.000	94	92Alp Cet	2.5260	3100.0	96	29887	No
3	GOM_TRA_1PNPDE20071118_002045_000000372063_00274_29887_1668.N1	18-NOV-2007 00:20:45	Bright	36.500	105	6Bet Ari	2.6450	8900.0	73	29887	No
4	GOM_TRA_1PNPDE20071118_002442_000000362063_00274_29887_1669.N1	18-NOV-2007 00:24:42	Bright	35.500	173	4Bet Tri	3.0040	8900.0	71	29887	No
5	GOM_TRA_1PNPDE20071118_002646_000000372063_00274_29887_1670.N1	18-NOV-2007 00:26:46	Bright	36.500	73	57Gam1And	2.2600	13100.	73	29887	No
6	GOM_TRA_1PNPDE20071118_003113_000000362063_00274_29887_1671.N1	18-NOV-2007 00:31:13	Bright	35.500	68	18Alp Cas	2.2250	4500.0	71	29887	No
7	GOM_TRA_1PNPDE20071118_004001_000000322063_00274_29887_1672.N1	18-NOV-2007 00:40:01	Bright	32.000	49	1Alp UMi	1.9900	6300.0	64	29887	No
8	GOM_TRA_1PNPDE20071118_004426_000000372063_00274_29887_1673.N1	18-NOV-2007 00:44:26	Bright	37.000	60	7Bet UMi	2.0810	3950.0	74	29887	No
9	GOM_TRA_1PNPDE20071118_005001_000000372063_00274_29887_1674.N1	18-NOV-2007 00:50:01	Bright	36.500	32	77Eps UMa	1.7630	11000.	73	29887	No
10	GOM_TRA_1PNPDE20071118_005142_000000372063_00274_29887_1675.N1	18-NOV-2007 00:51:42	Bright	37.000	39	85Eta UMa	1.8540	24000.	74	29887	No
11	GOM_TRA_1PNPDE20071118_005511_000000352063_00274_29887_1676.N1	18-NOV-2007 00:55:11	Bright	35.000	152	12Alp2CVn	2.8900	11000.	70	29887	No
12	GOM_TRA_1PNPDE20071118_010259_000000342063_00274_29887_1677.N1	18-NOV-2007 01:02:59	Bright	34.000	138	47Eps Vir	2.8280	4700.0	68	29887	No
13	GOM_TRA_1PNPDE20071118_010651_000000542063_00274_29887_1678.N1	18-NOV-2007 01:06:51	Bright	54.000	121	29Gam Vir	2.7400	7200.0	108	29887	No
14	GOM_TRA_1PNPDE20071118_011157_000000412063_00274_29887_1813.N1	18-NOV-2007 01:11:57	Twilight	40.500	100	4Gam Crv	2.5800	13100.	81	29887	No
15	GOM_TRA_1PNPDE20071118_011329_000000442063_00274_29887_1814.N1	18-NOV-2007 01:13:29	Twilight	44.000	171	2Eps Crv	3.0010	4250.0	88	29887	No
16	GOM_TRA_1PNPDE20071118_011936_000000382063_00274_29887_1815.N1	18-NOV-2007 01:19:36	Dark	37.500	64	Gam Cen	2.2000	10600.	75	29887	No
17	GOM_TRA_1PNPDE20071118_012247_000000442063_00274_29887_1816.N1	18-NOV-2007 01:22:47	Dark	44.000	113	Mu Vel	2.6920	5000.0	88	29887	No
18	GOM_TRA_1PNPDE20071118_012538_000000372063_00275_29888_1817.N1	18-NOV-2007 01:25:38	Dark	37.000	124	The Car	2.7640	30000.	74	29888	No
19	GOM_TRA_1PNPDE20071118_012939_000000432063_00275_29888_1818.N1	18-NOV-2007 01:29:39	Dark	42.500	41	Eps Car	1.8600	4100.0	85	29888	No
20	GOM_TRA_1PNPDE20071118_014342_000000382063_00275_29888_1819.N1	18-NOV-2007 01:43:42	Straylight	38.000	157	The1Eri	2.9060	9300.0	76	29888	No
21	GOM_TRA_1PNPDE20071118_015629_000000452063_00275_29888_1820.N1	18-NOV-2007 01:56:29	Twilight	45.000	94	92Alp Cet	2.5260	3100.0	90	29888	No
22	GOM_TRA_1PNPDE20071118_020121_000000372063_00275_29888_1821.N1	18-NOV-2007 02:01:21	Bright	36.500	105	6Bet Ari	2.6450	8900.0	73	29888	No
23	GOM_TRA_1PNPDE20071118_020518_000000362063_00275_29888_1822.N1	18-NOV-2007 02:05:18	Bright	36.000	173	4Bet Tri	3.0040	8900.0	72	29888	No
24	GOM_TRA_1PNPDE20071118_020722_000000372063_00275_29888_1823.N1	18-NOV-2007 02:07:22	Bright	36.500	73	57Gam1And	2.2600	13100.	73	29888	No
25	GOM_TRA_1PNPDE20071118_021102_000000312063_00275_29888_1824.N1	18-NOV-2007 02:11:02	Bright	31.000	160	23Gam Per	2.9300	4700.0	62	29888	No
26	GOM_TRA_1PNPDE20071118_021227_000000342063_00275_29888_1825.N1	18-NOV-2007 02:12:27	Bright	33.500	110	37Del Cas	2.6780	8900.0	67	29888	No
27	GOM_TRA_1PNPDE20071118_022037_000000352063_00275_29888_1826.N1	18-NOV-2007 02:20:37	Bright	34.500	49	1Alp UMi	1.9900	6300.0	69	29888	No
28	GOM_TRA_1PNPDE20071118_022502_000000382063_00275_29888_1980.N1	18-NOV-2007 02:25:02	Bright	38.000	60	7Bet UMi	2.0810	3950.0	76	29888	No
29	GOM_TRA_1PNPDE20071118_023037_000000382063_00275_29888_1981.N1	18-NOV-2007 02:30:37	Bright	37.500	32	77Eps UMa	1.7630	11000.	75	29888	No
30	GOM_TRA_1PNPDE20071118_023219_000000522063_00275_29888_1982.N1	18-NOV-2007 02:32:19	Bright	52.000	39	85Eta UMa	1.8540	24000.	104	29888	No
31	GOM_TRA_1PNPDE20071118_023547_000000352063_00275_29888_1983.N1	18-NOV-2007 02:35:47	Bright	34.500	152	12Alp2CVn	2.8900	11000.	69	29888	No
32	GOM_TRA_1PNPDE20071118_024335_000000352063_00275_29888_1984.N1	18-NOV-2007 02:43:35	Bright	34.500	138	47Eps Vir	2.8280	4700.0	69	29888	No
33	GOM_TRA_1PNPDE20071118_024727_000000542063_00275_29888_1985.N1	18-NOV-2007 02:47:27	Bright	54.000	121	29Gam Vir	2.7400	7200.0	108	29888	No
34	GOM_TRA_1PNPDE20071118_025233_000000422063_00275_29888_1986.N1	18-NOV-2007 02:52:33	Twilight	42.000	100	4Gam Crv	2.5800	13100.	84	29888	No
35	GOM_TRA_1PNPDE20071118_025405_000000432063_00275_29888_1987.N1	18-NOV-2007 02:54:05	Twilight	43.000	171	2Eps Crv	3.0010	4250.0	86	29888	No
36	GOM_TRA_1PNPDE20071118_030012_000000362063_00275_29888_1988.N1	18-NOV-2007 03:00:12	Dark	35.500	64	Gam Cen	2.2000	10600.	71	29888	No
37	GOM_TRA_1PNPDE20071118_030323_000000402063_00275_29888_1989.N1	18-NOV-2007 03:03:23	Dark	39.500	113	Mu Vel	2.6920	5000.0	79	29888	No
38	GOM_TRA_1PNPDE20071118_030614_000000372063_00276_29889_1990.N1	18-NOV-2007 03:06:14	Dark	37.000	124	The Car	2.7640	30000.	74	29889	No
39	GOM_TRA_1PNPDE20071118_031015_000000472063_00276_29889_1991.N1	18-NOV-2007 03:10:15	Dark	46.500	41	Eps Car	1.8600	4100.0	93	29889	No
40	GOM_TRA_1PNPDE20071118_032418_000000372063_00276_29889_1992.N1	18-NOV-2007 03:24:18	Straylight	37.000	157	The1Eri	2.9060	9300.0	74	29889	No
41	GOM_TRA_1PNPDE20071118_033705_000000462063_00276_29889_1993.N1	18-NOV-2007 03:37:05	Twilight	46.000	94	92Alp Cet	2.5260	3100.0	92	29889	No
42	GOM_TRA_1PNPDE20071118_034157_000000382063_00276_29889_1994.N1	18-NOV-2007 03:41:57	Bright	37.500	105	6Bet Ari	2.6450	8900.0	75	29889	No
43	GOM_TRA_1PNPDE20071118_034554_000000352063_00276_29889_1995.N1	18-NOV-2007 03:45:54	Bright	35.000	173	4Bet Tri	3.0040	8900.0	70	29889	No
44	GOM_TRA_1PNPDE20071118_034758_000000382063_00276_29889_1996.N1	18-NOV-2007 03:47:58	Bright	38.000	73	57Gam1And	2.2600	13100.	76	29889	No
45	GOM_TRA_1PNPDE20071118_035138_000000312063_00276_29889_1997.N1	18-NOV-2007 03:51:38	Bright	31.000	160	23Gam Per	2.9300	4700.0	62	29889	No
46	GOM_TRA_1PNPDE20071118_035303_000000352063_00276_29889_1998.N1	18-NOV-2007 03:53:03	Bright	34.500	110	37Del Cas	2.6780	8900.0	69	29889	No
47	GOM_TRA_1PNPDE20071118_040113_000000362063_00276_29889_1999.N1	18-NOV-2007 04:01:13	Bright	36.000	49	1Alp UMi	1.9900	6300.0	72	29889	No
48	GOM_TRA_1PNPDE20071118_040538_000000342063_00276_29889_2143.N1	18-NOV-2007 04:05:38	Bright	33.500	60	7Bet UMi	2.0810	3950.0	67	29889	No

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



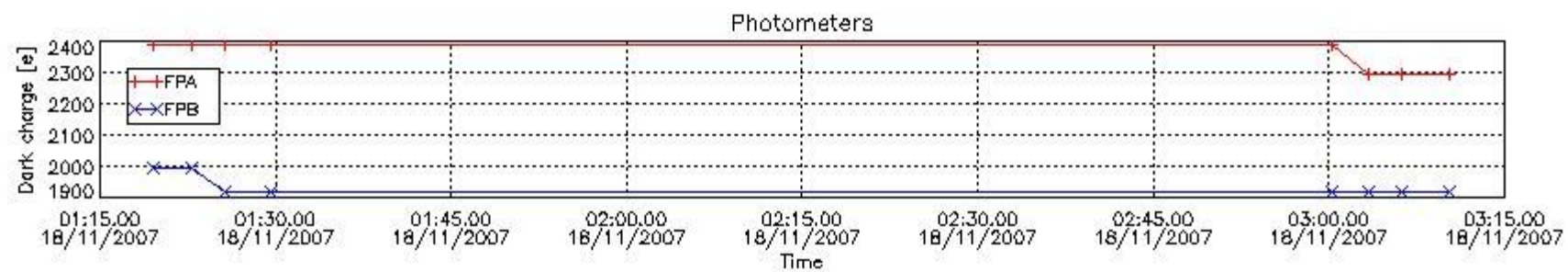
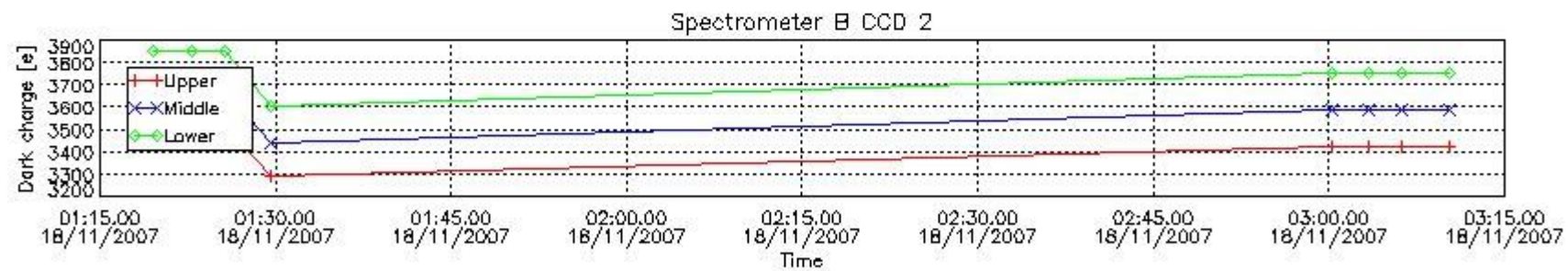
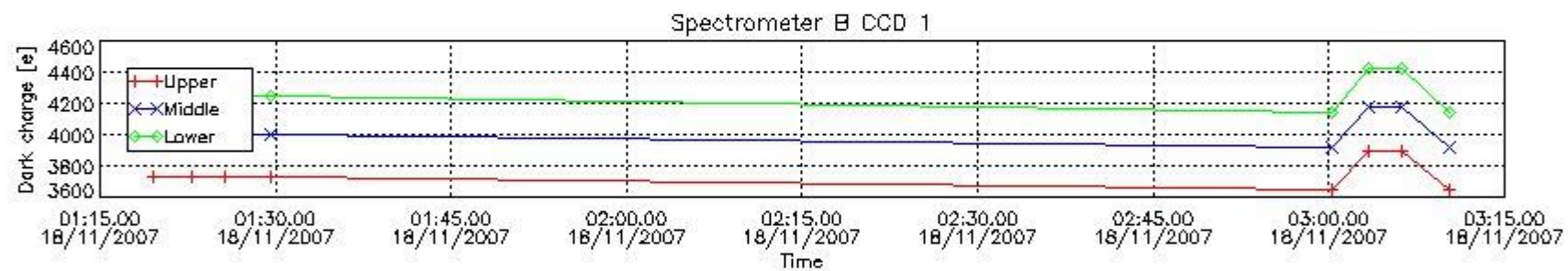
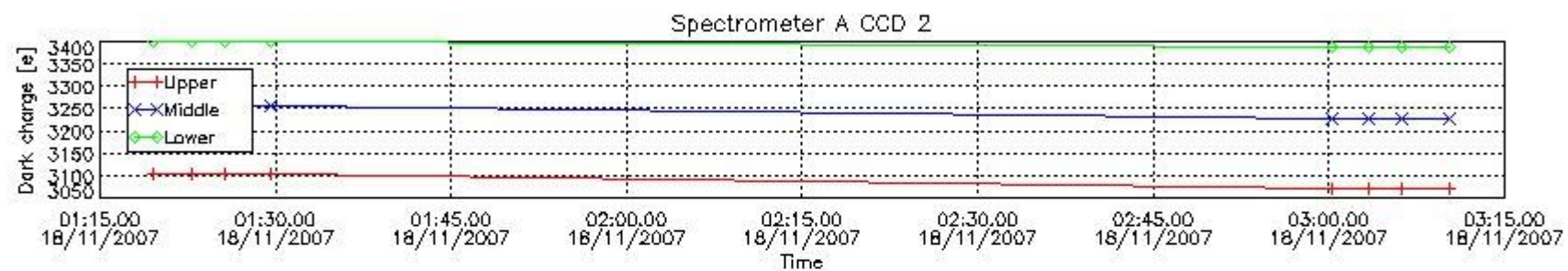
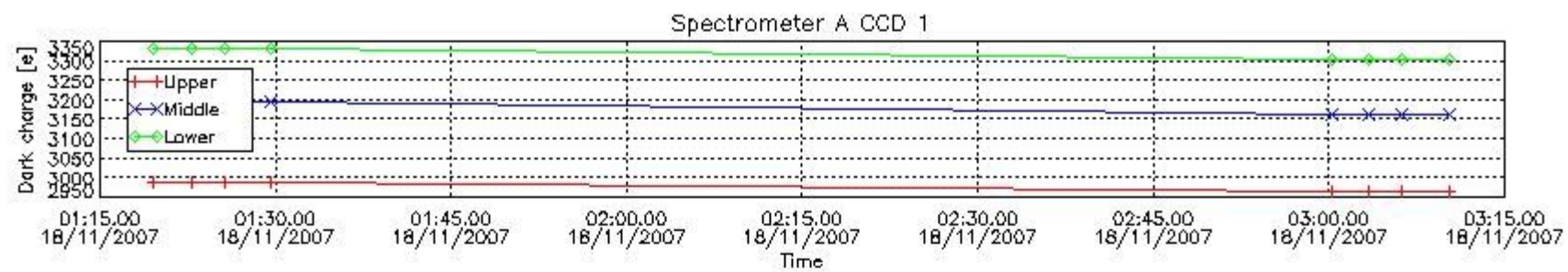
4. Overview of dark signal processing per product

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 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



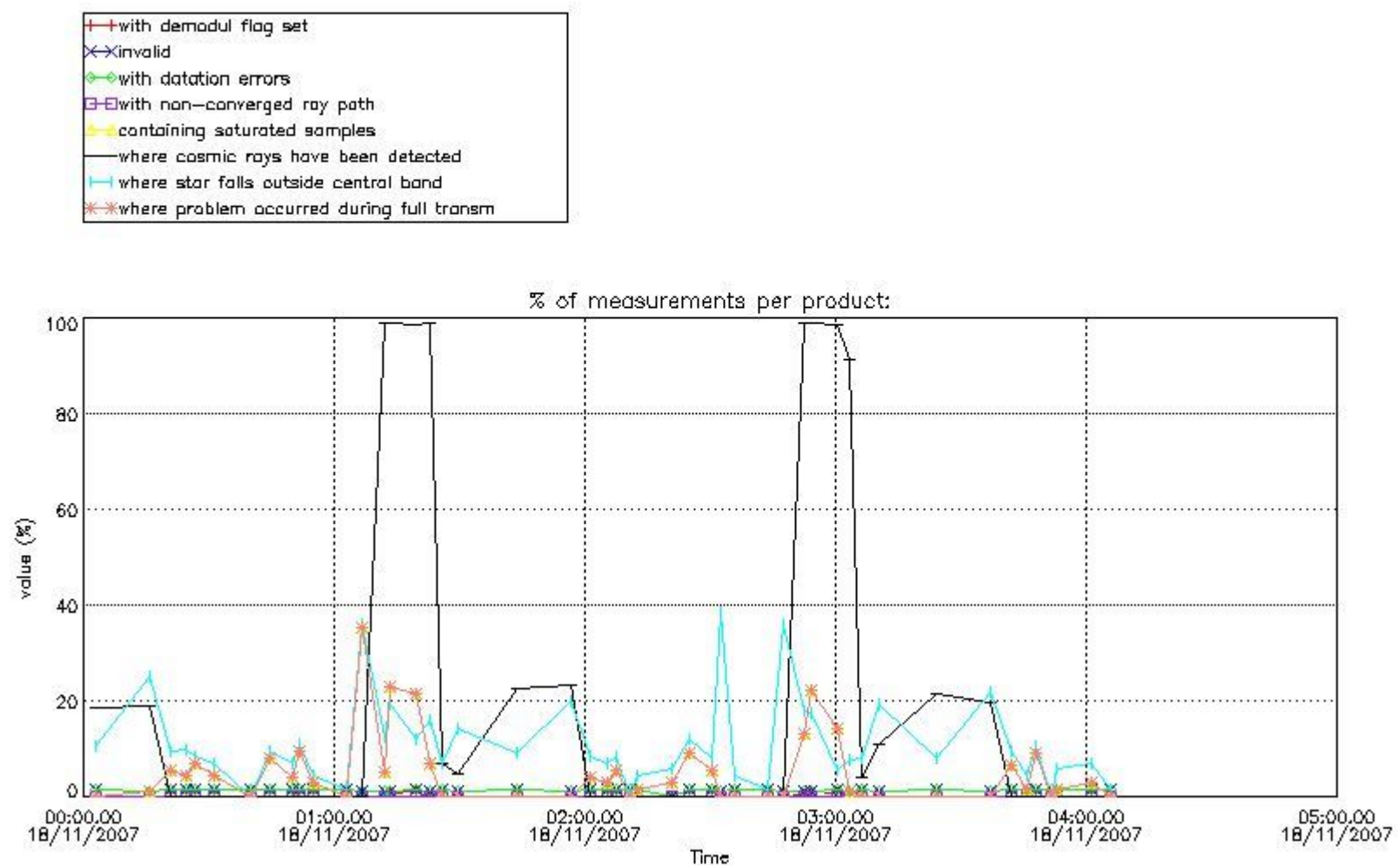
5. Demodulation flag and quality information monitoring

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.

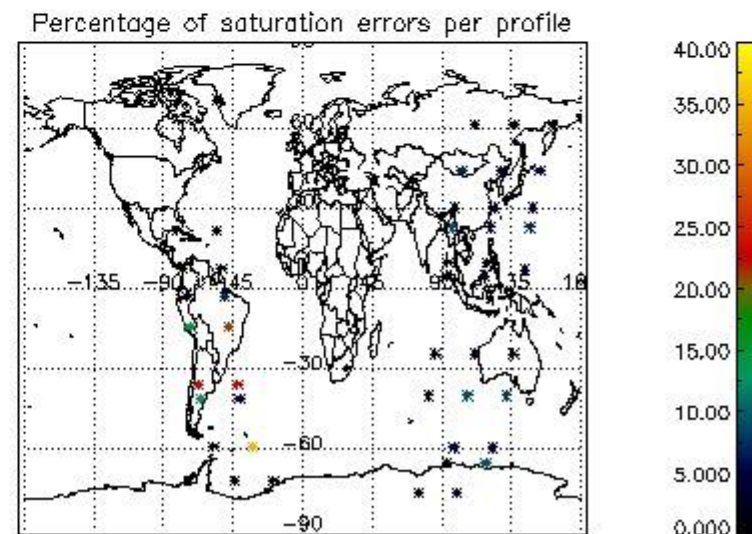
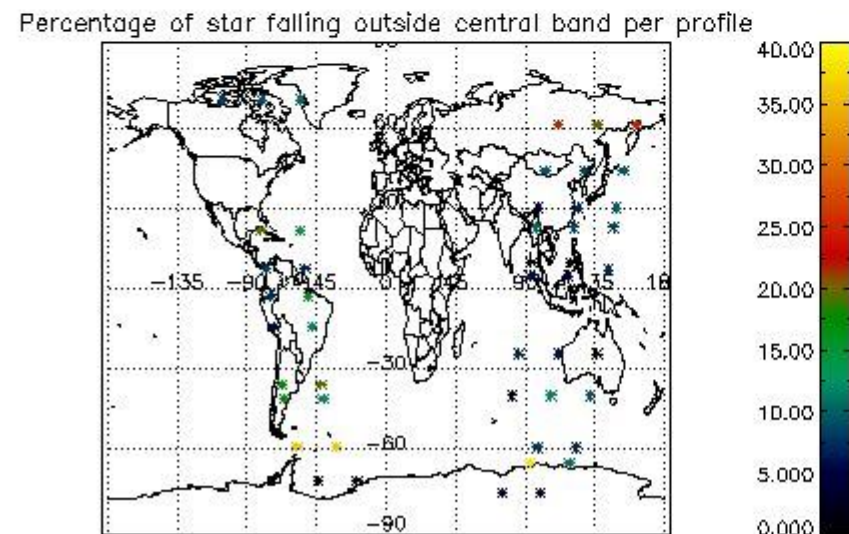
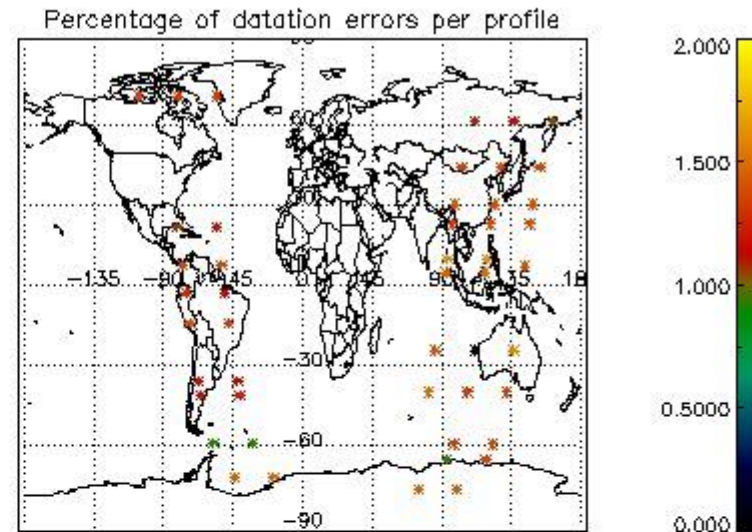
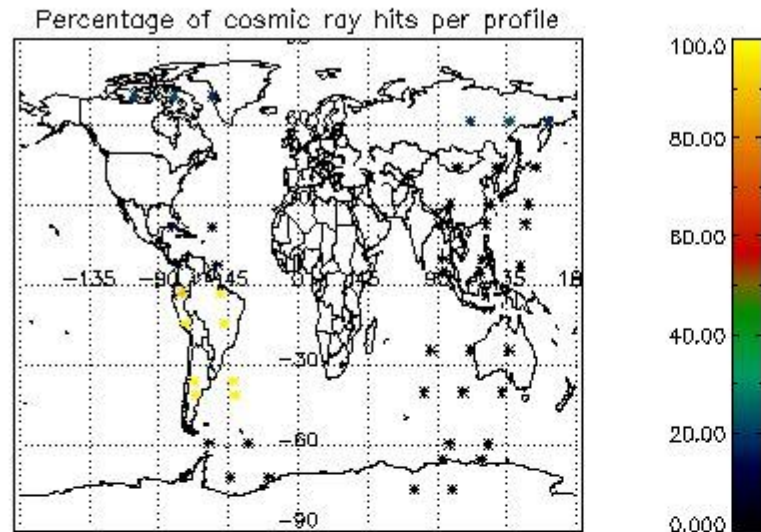
5.1 Percentage of products during reporting period with:

At least one measurement with demodulation flag set:	29.1667 %
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)



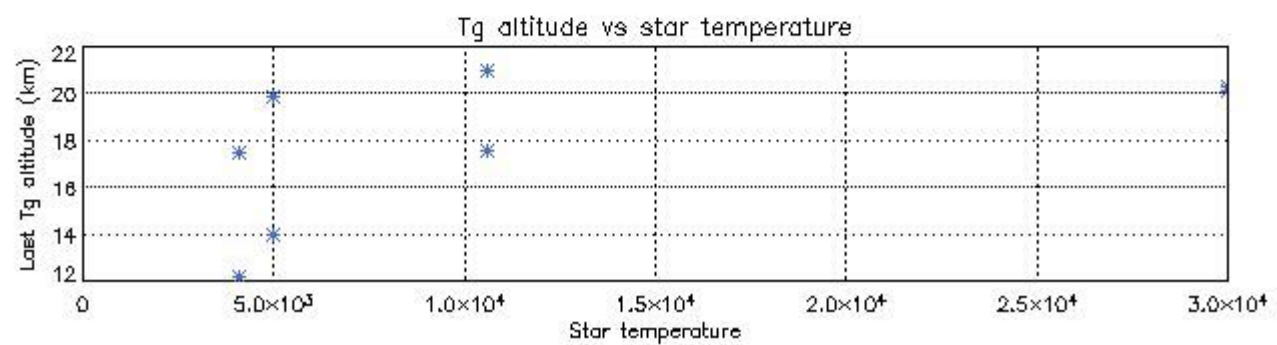
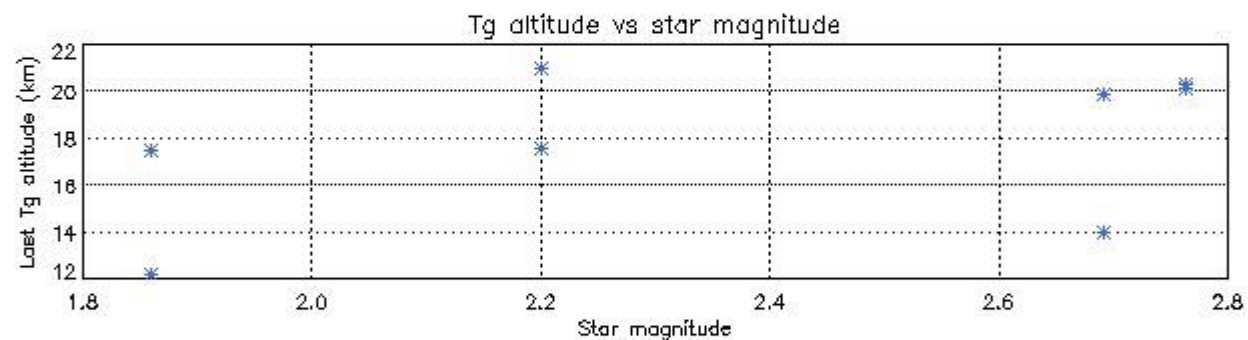
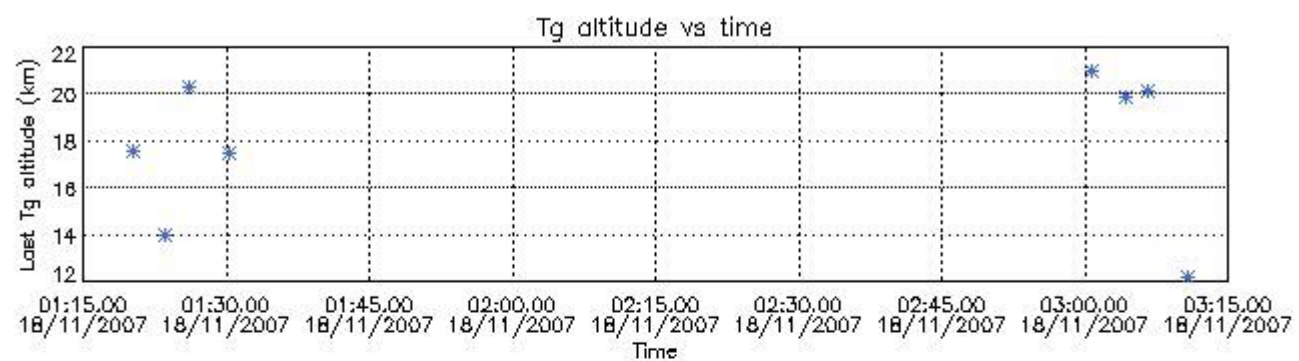
6. Statistics and plot of tangent altitude of the last measurement (DARK & BRIGHT products without errors)

6.1 Statistics on tangent altitude lost:

Statistics	DARK	BRIGHT	TWILIGHT
Mean:	17.812	20.807	13.207
St. deviation:	3.2226	7.6831	0.52540
Maximum:	21.013	38.473	13.579
Minimum:	12.173	3.7190	12.836
Number of data:	8.0000	30.000	2.0000

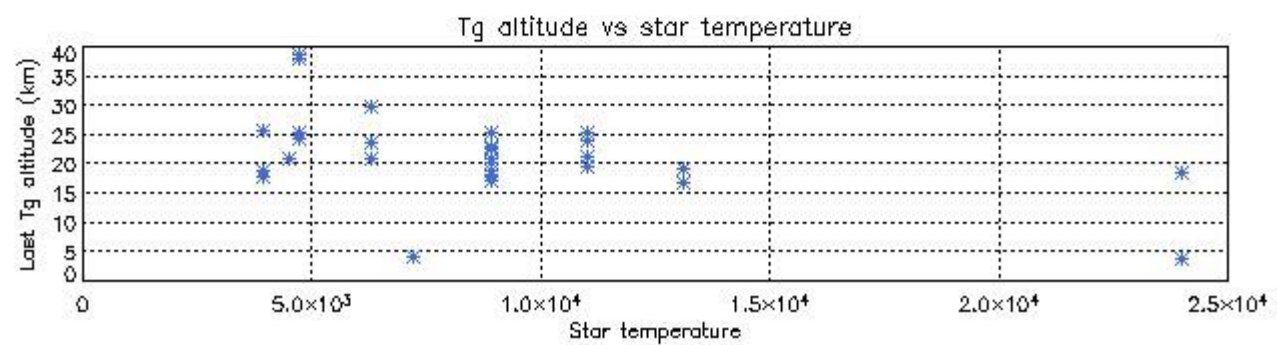
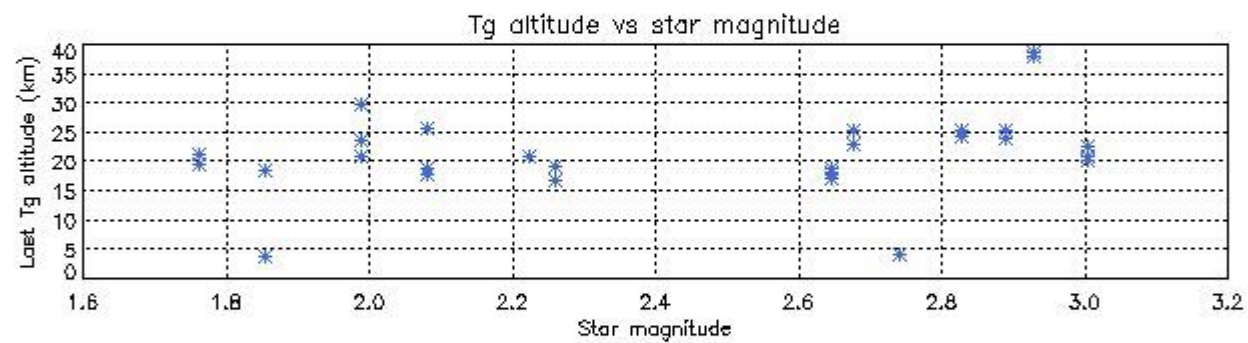
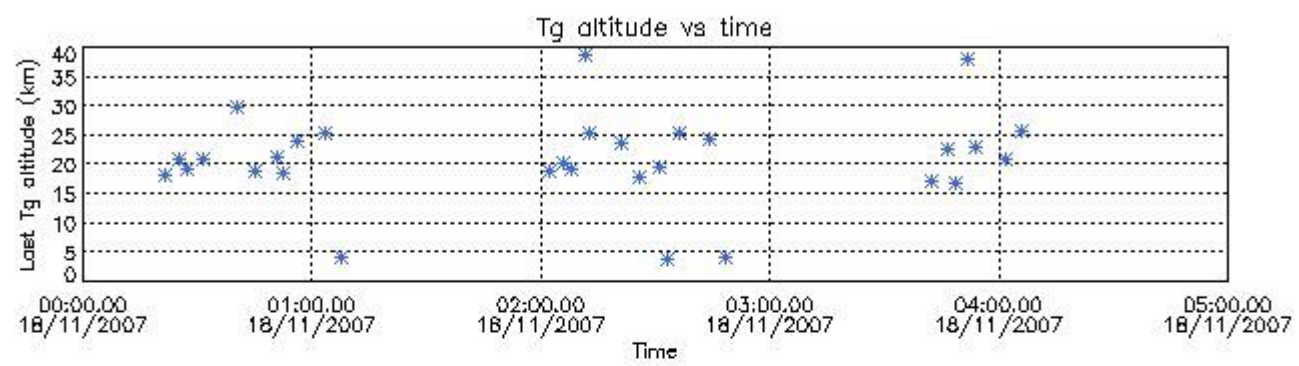
6.2 Plot for DARK limb products

Tangent altitude at which the star is lost



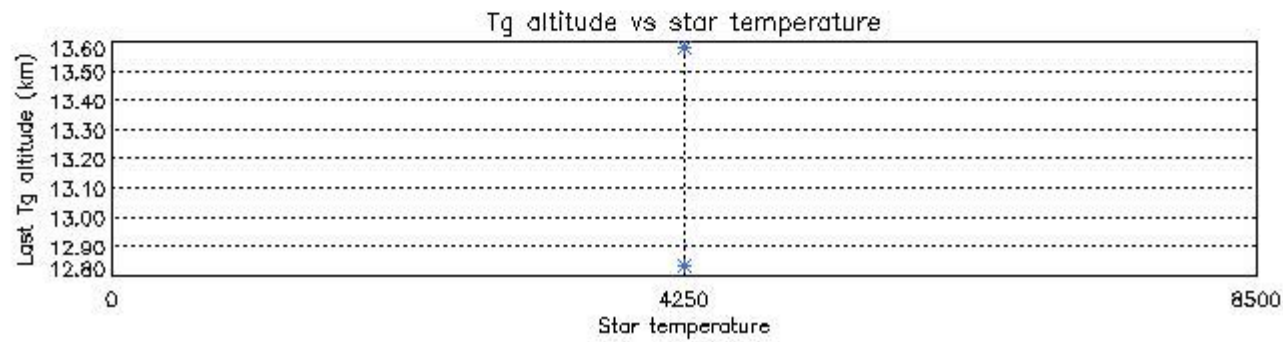
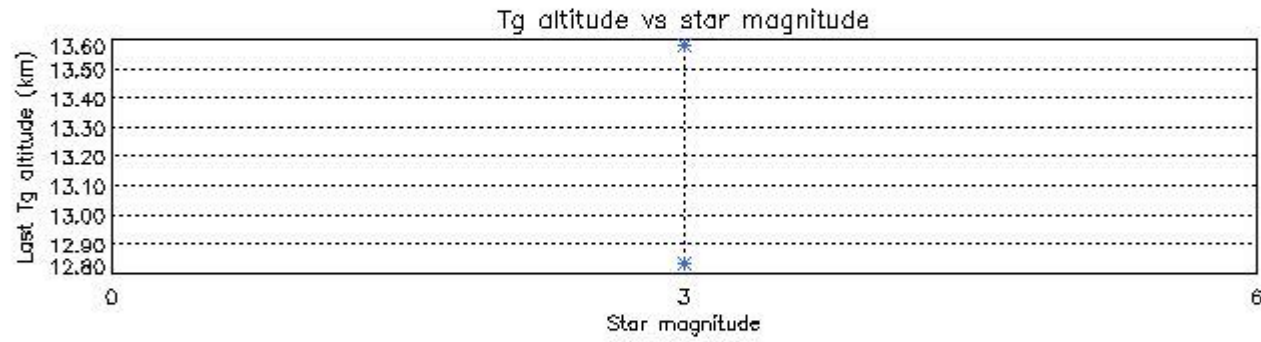
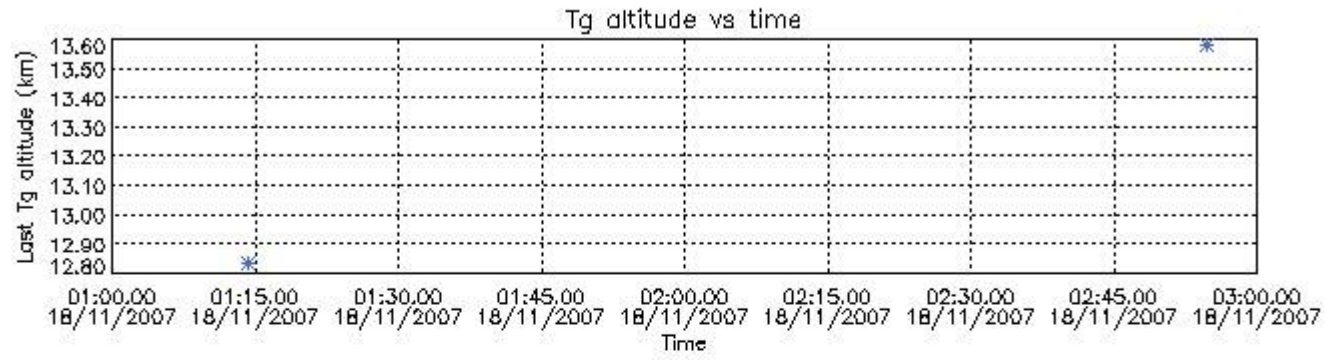
6.3 Plot for BRIGHT limb products

Tangent altitude at which the star is lost



6.3 Plot for TWILIGHT limb products

Tangent altitude at which the star is lost

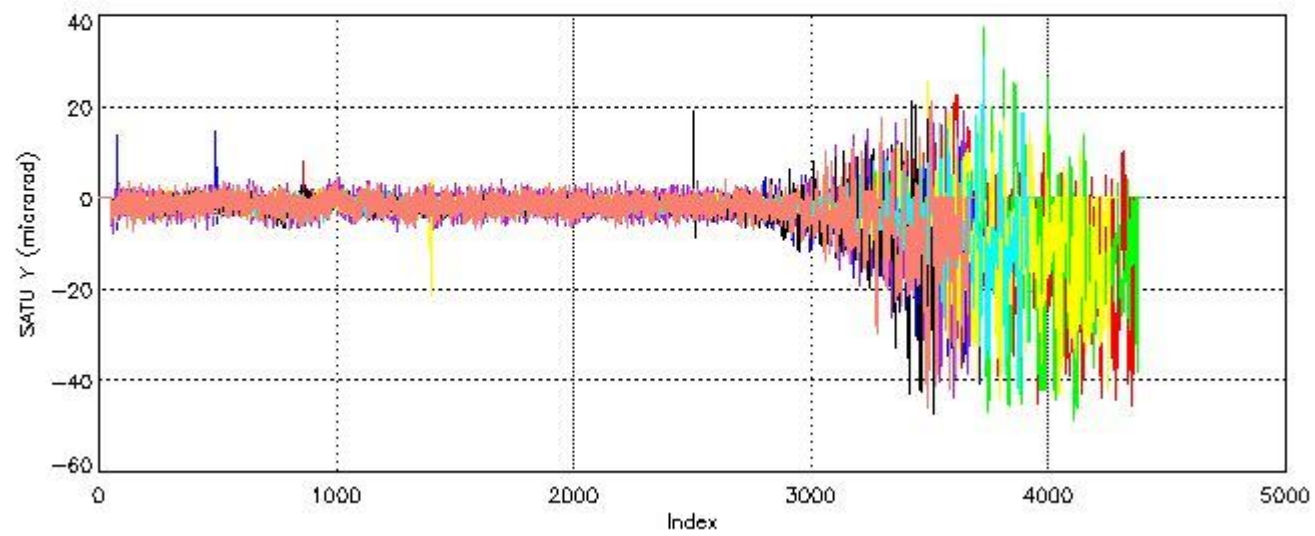
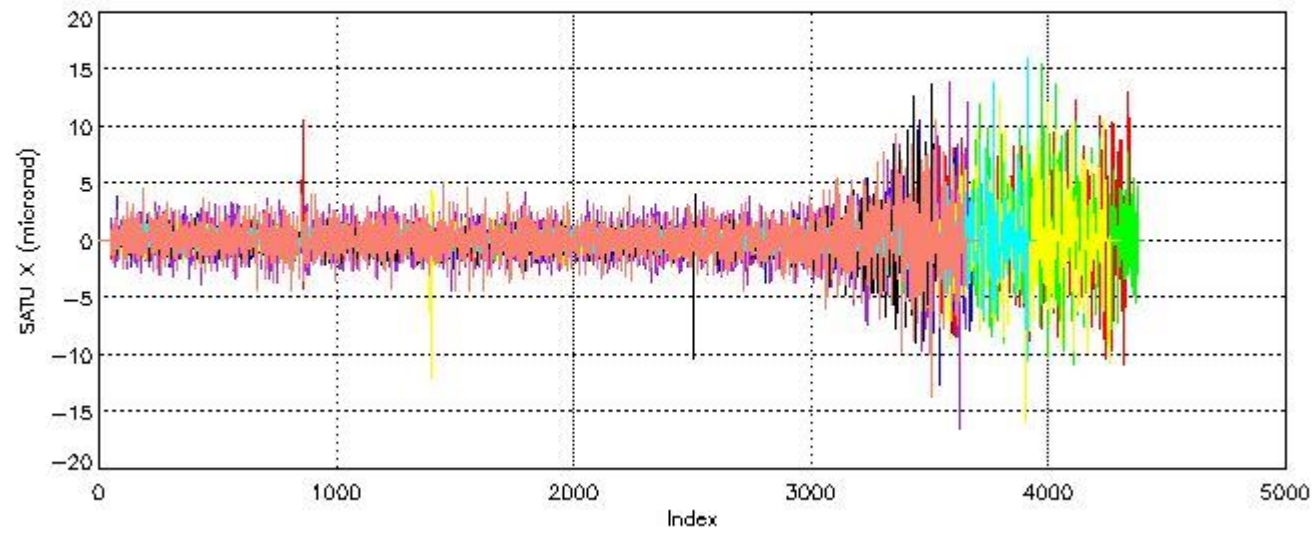


7. Star Acquisition and Tracking Unit (SATU)

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:	0.076089	-1.3523	0.014869	-1.2863
St. deviation:	0.66833	1.2697	0.83499	1.3648
Maximum:	4.5000	14.500	6.0000	5.5000
Minimum:	-4.4000	-7.6000	-6.3000	-9.0000

Number of data:	7200.0	7200.0	24500.	24500.
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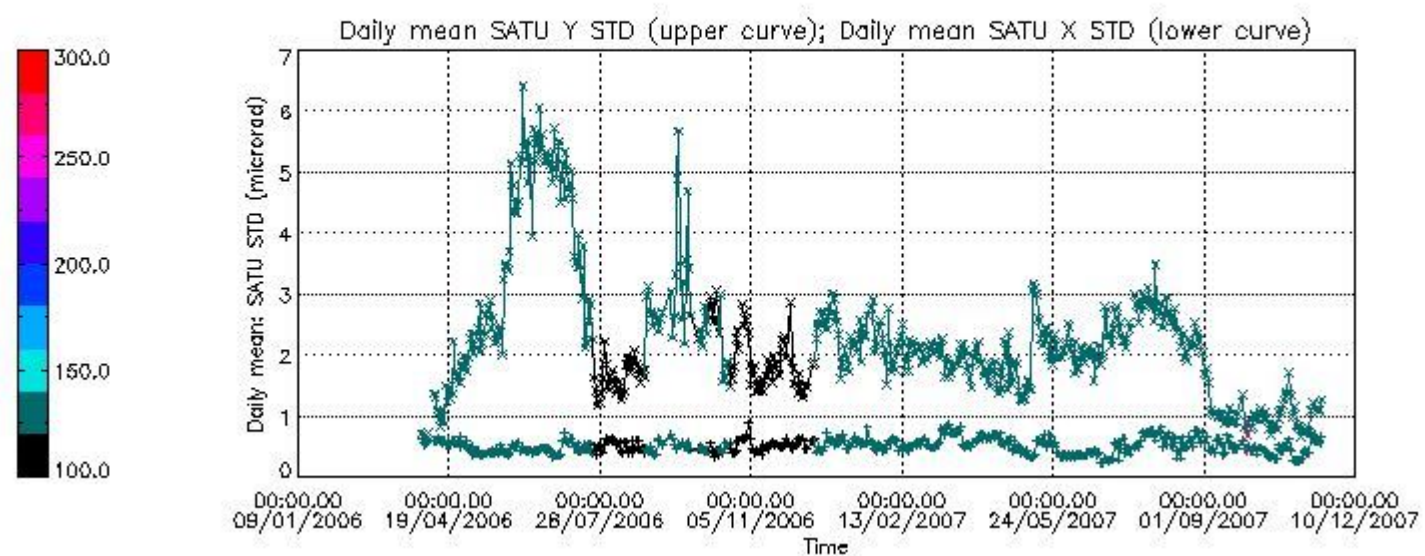
7.2.2 Trend of daily SATU NEA St. deviation since 1st April 2006 (dark limb)

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

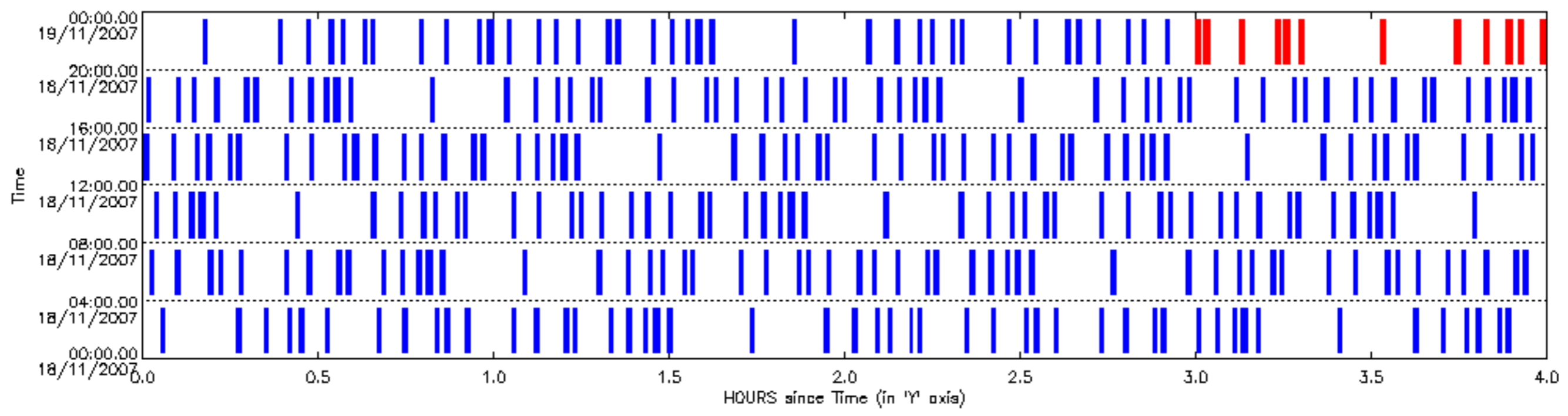
Lower curve: STD of SATU X axis

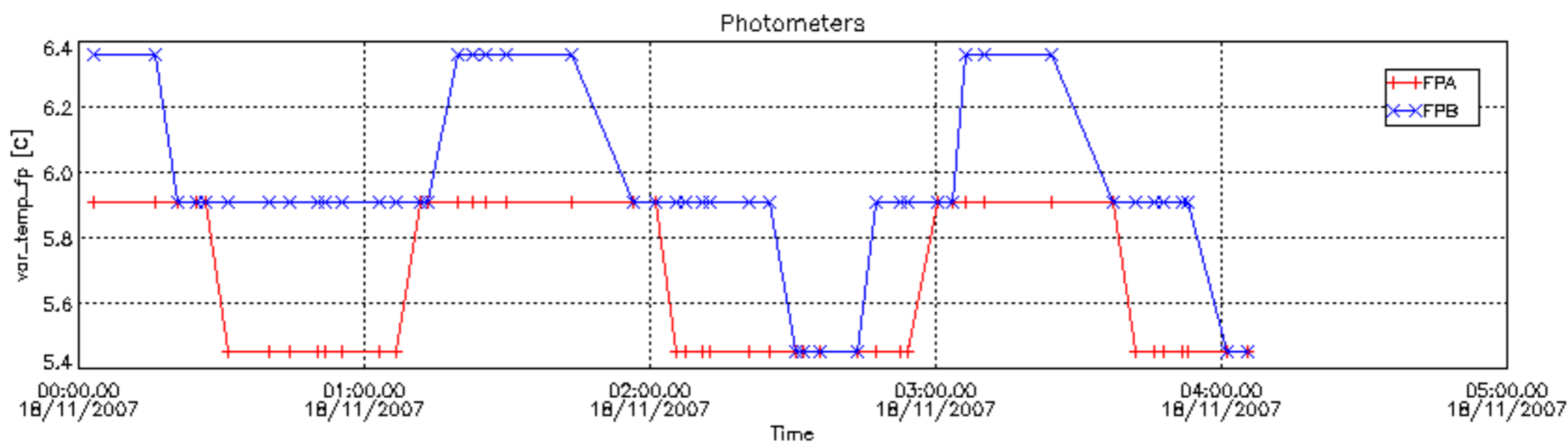
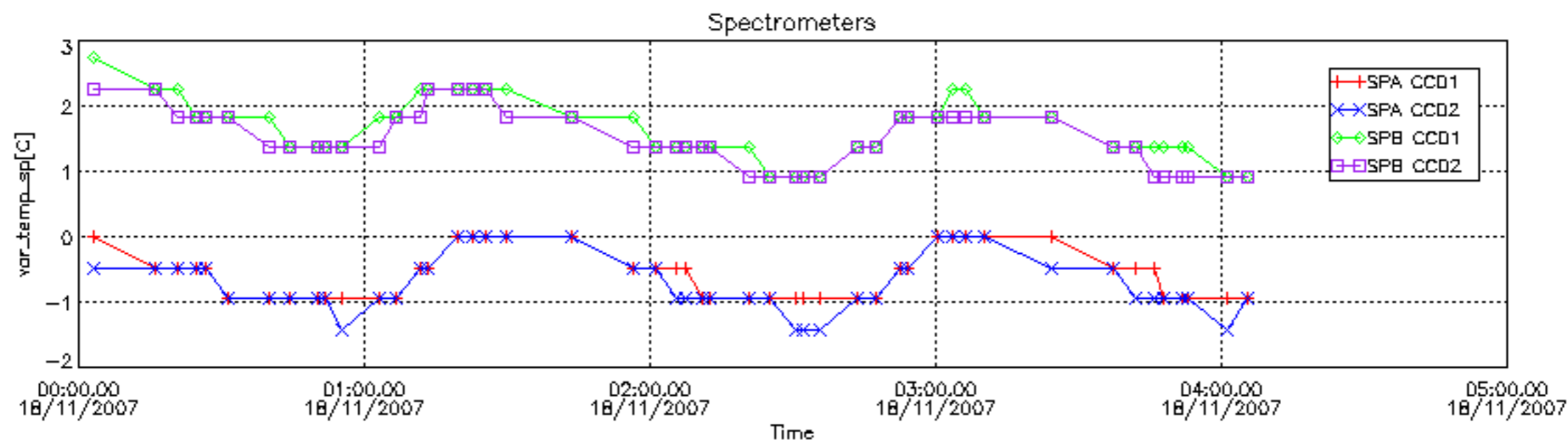


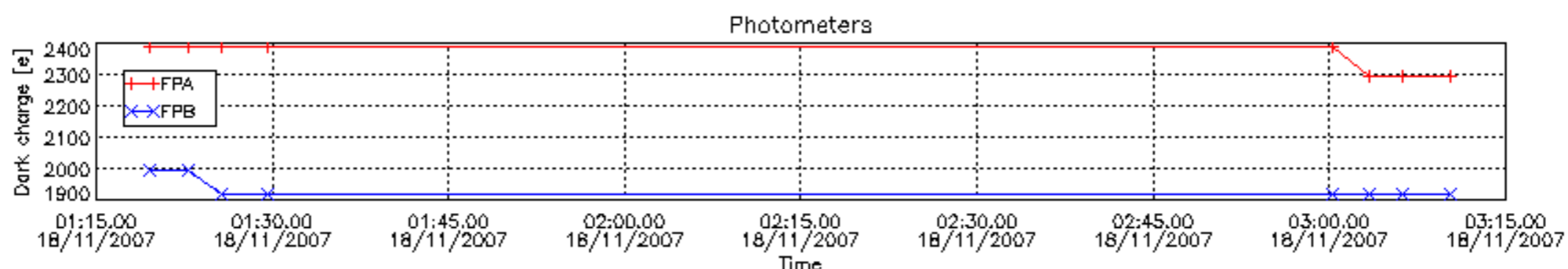
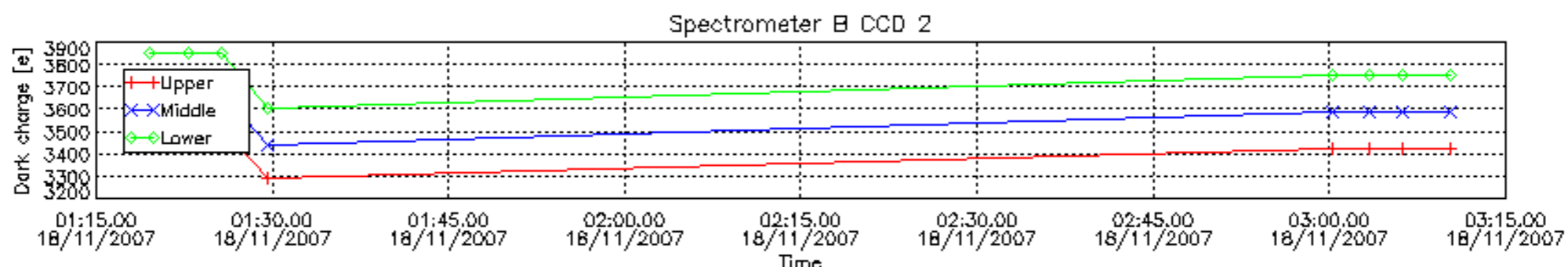
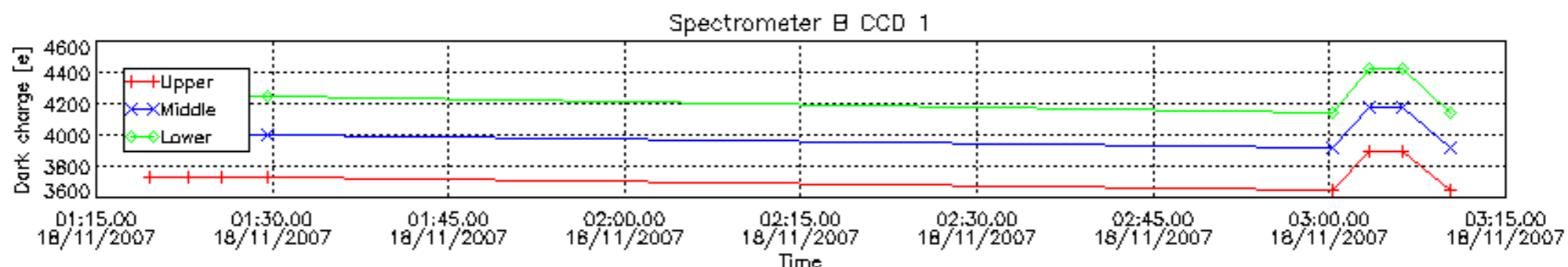
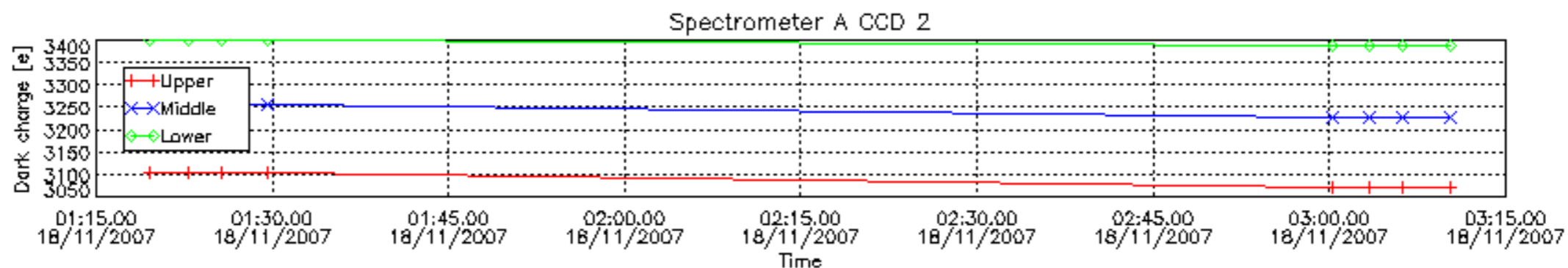
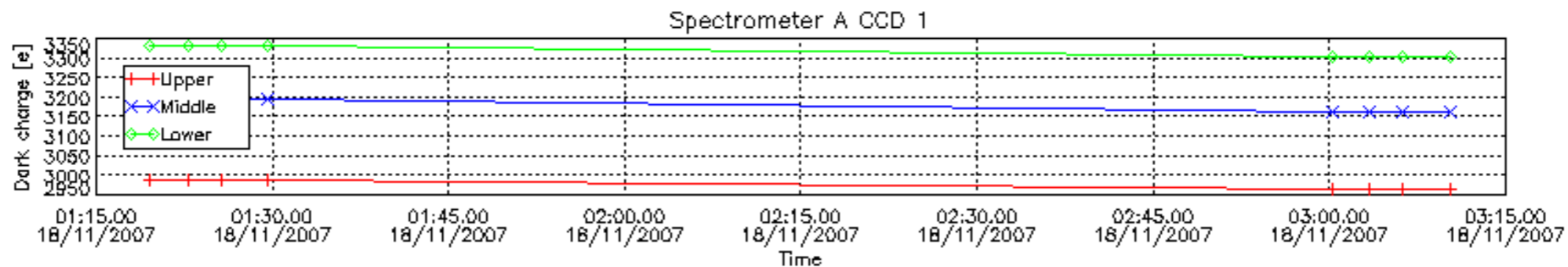
8. Auxiliary Data Files used for the production reported in section 2.4

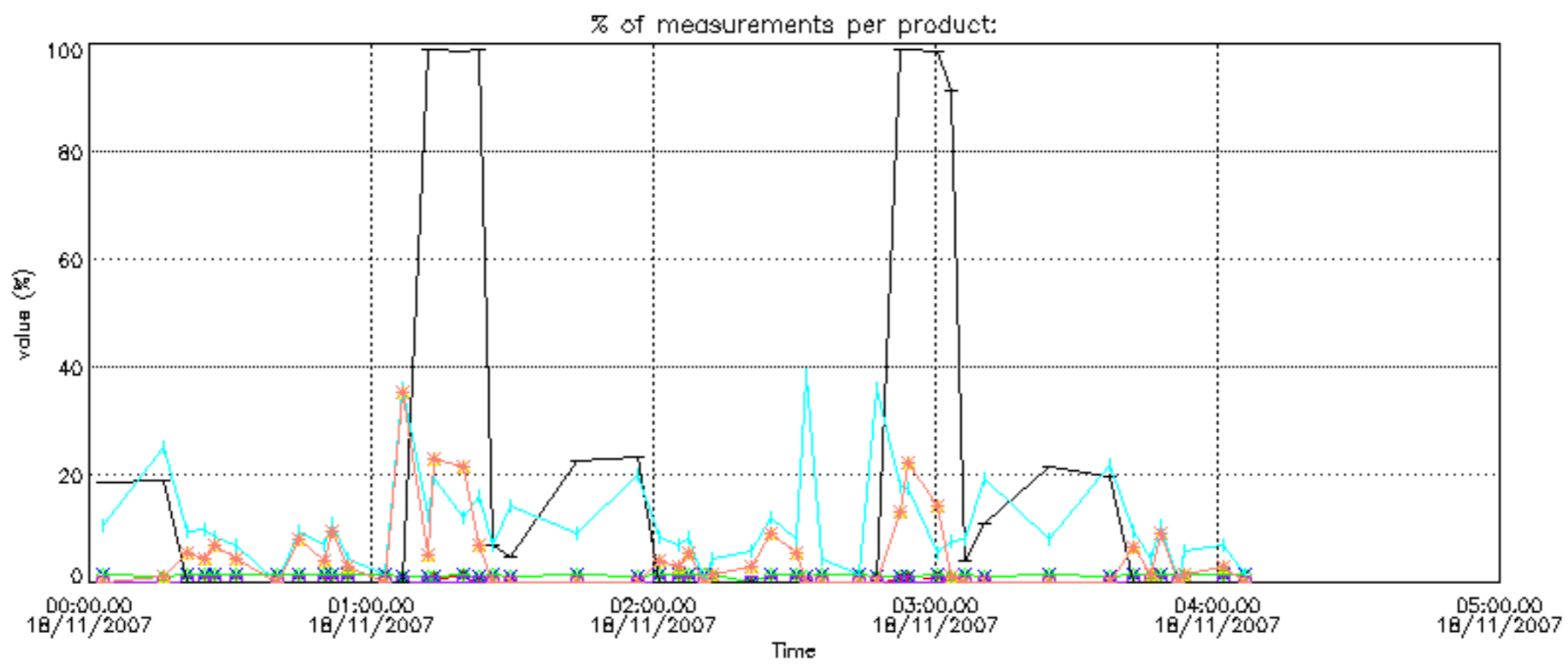
The number reported in the third column indicates since which file (see list in section 2.4) the corresponding auxiliary file has been used. The fourth column is the date of those product files.

Type	Auxiliary Filename	Used since product	Used since product date
INST_PHYS_CHARACTERISTICS	GOM_INS_AXNIEC20050627_150713_20030716_120000_20100101_000000	1	18-NOV-2007 00:03:06
CALIBRATION_DATABASE	GOM_CAL_AXVIEC20071114_162731_20071113_000000_20100101_000000	1	18-NOV-2007 00:03:06
LEVEL-1B_PROC_CONFIG	GOM_PR1_AXNIEC20050627_151042_20020301_000000_20100101_000000	1	18-NOV-2007 00:03:06
STAR_CATALOGUE	GOM_CAT_AXVIEC20020121_161009_20020101_000000_20200101_000000	1	18-NOV-2007 00:03:06
STELLAR_SPECTRA_DATABANK	GOM_STS_AXNIEC20040308_103538_20020101_160000_20100101_000000	1	18-NOV-2007 00:03:06
ECMWF_FILE	AUX_ECF_AXNECM20071117_063112_20071117_210000_20071118_090000	1	18-NOV-2007 00:03:06
ECMWF_FILE	AUX_ECF_AXNECM20071117_180112_20071118_030000_20071118_150000	48	18-NOV-2007 04:05:38
OPTIONAL_ECMWF_FILE	MISSING	1	18-NOV-2007 00:03:06
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20071117_214619_000057382063_00272_29885_4581.N1	1	18-NOV-2007 00:03:06
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20071117_232716_000057382063_00273_29886_4582.N1	14	18-NOV-2007 01:11:57
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20071118_010813_000041442063_00274_29887_4583.N1	28	18-NOV-2007 02:25:02
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20071118_022236_000057382063_00275_29888_4584.N1	48	18-NOV-2007 04:05:38

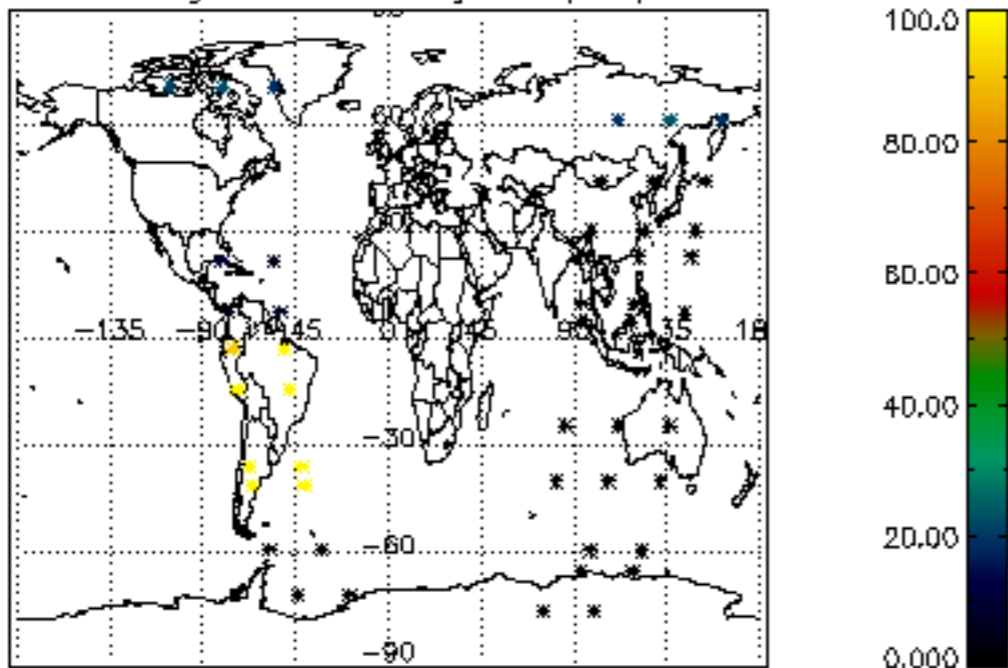




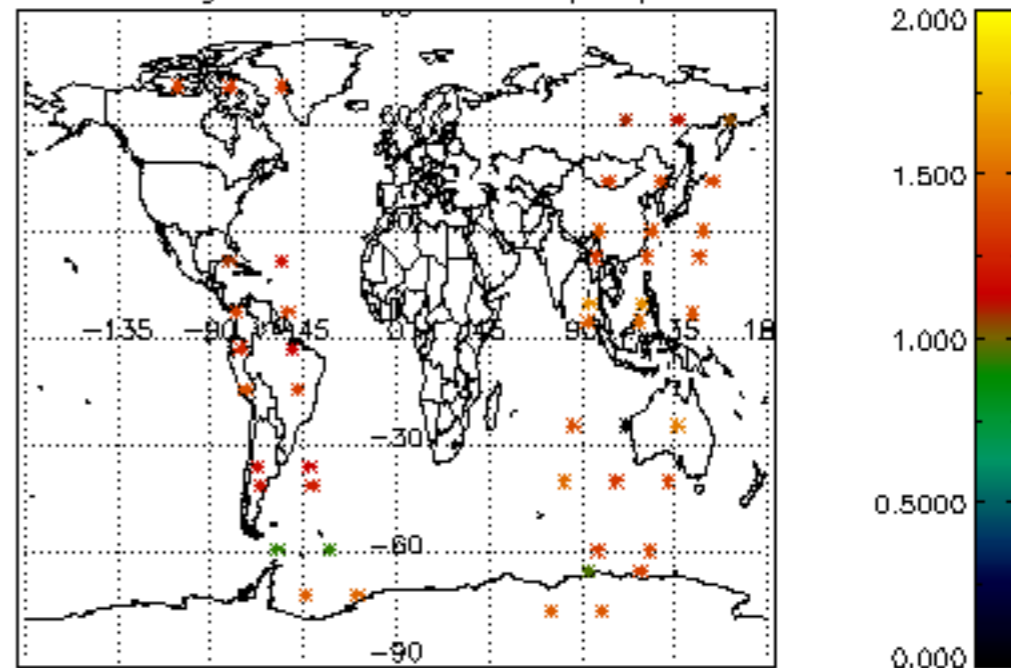




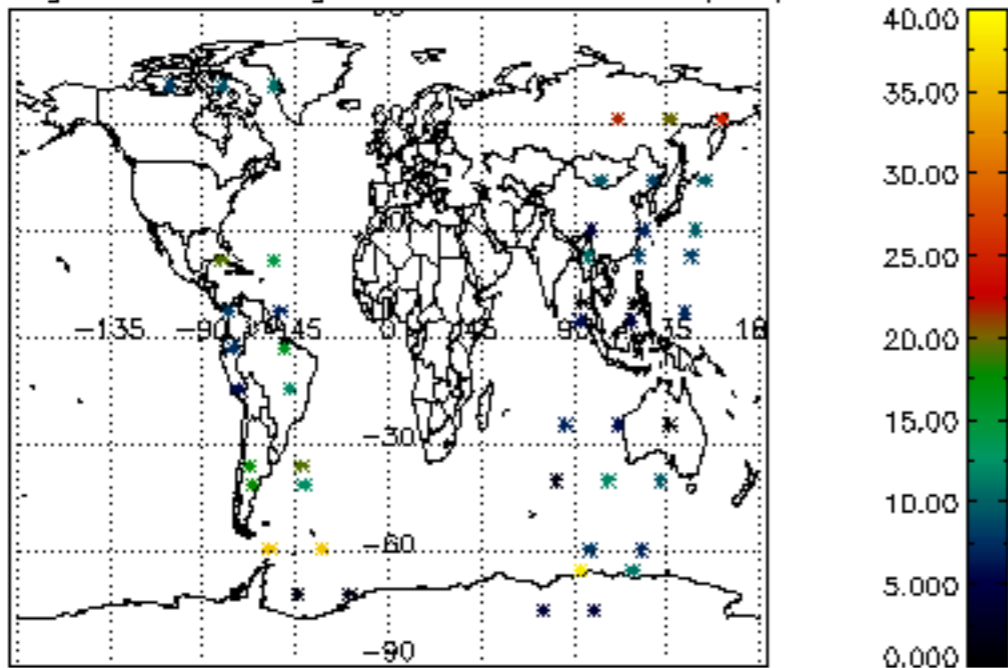
Percentage of cosmic ray hits per profile



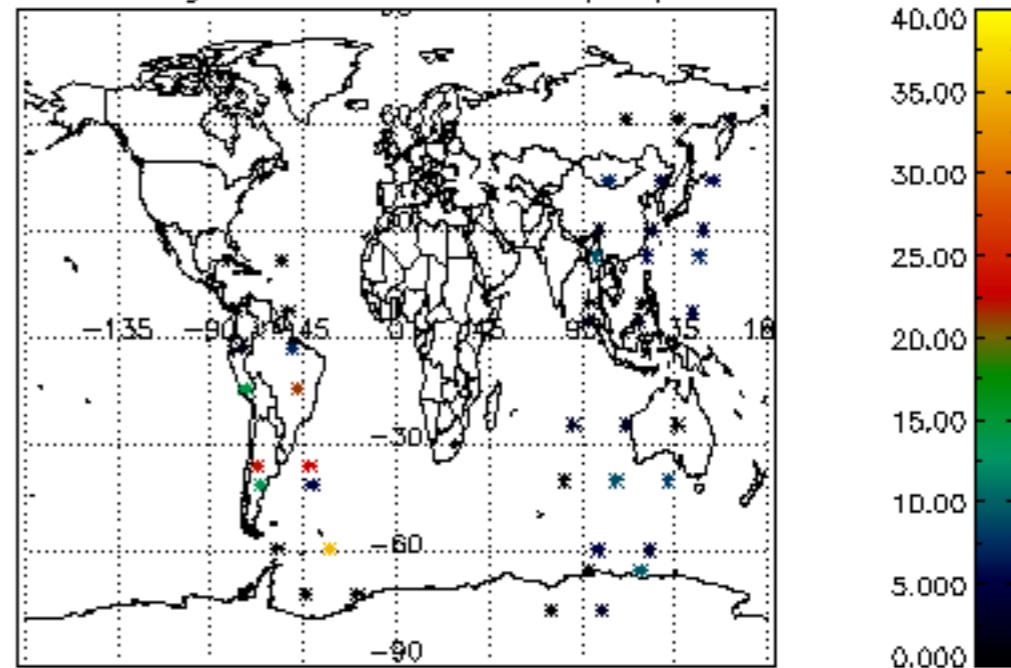
Percentage of datation errors per profile



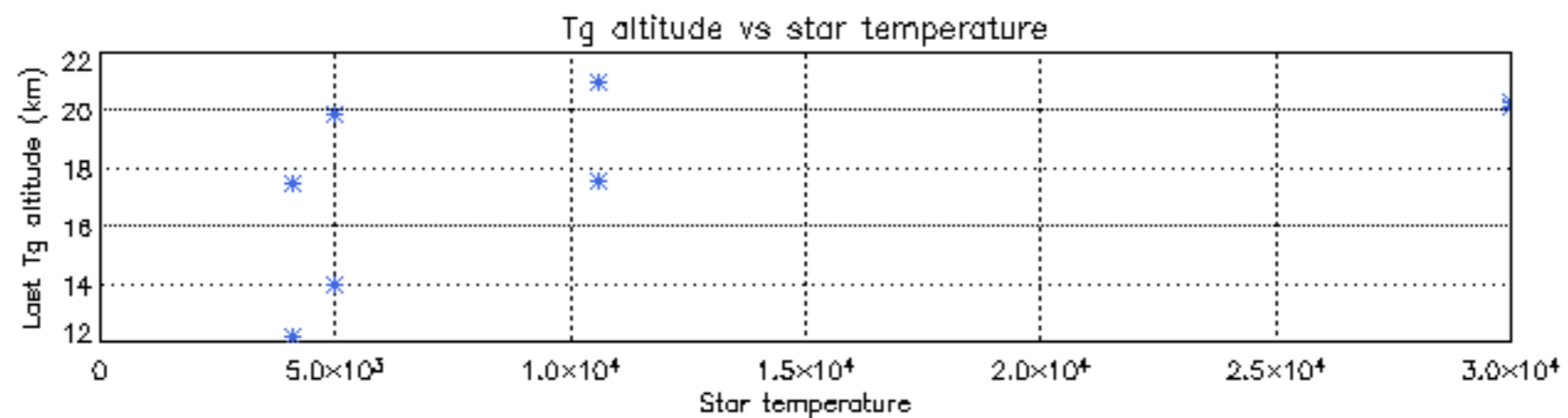
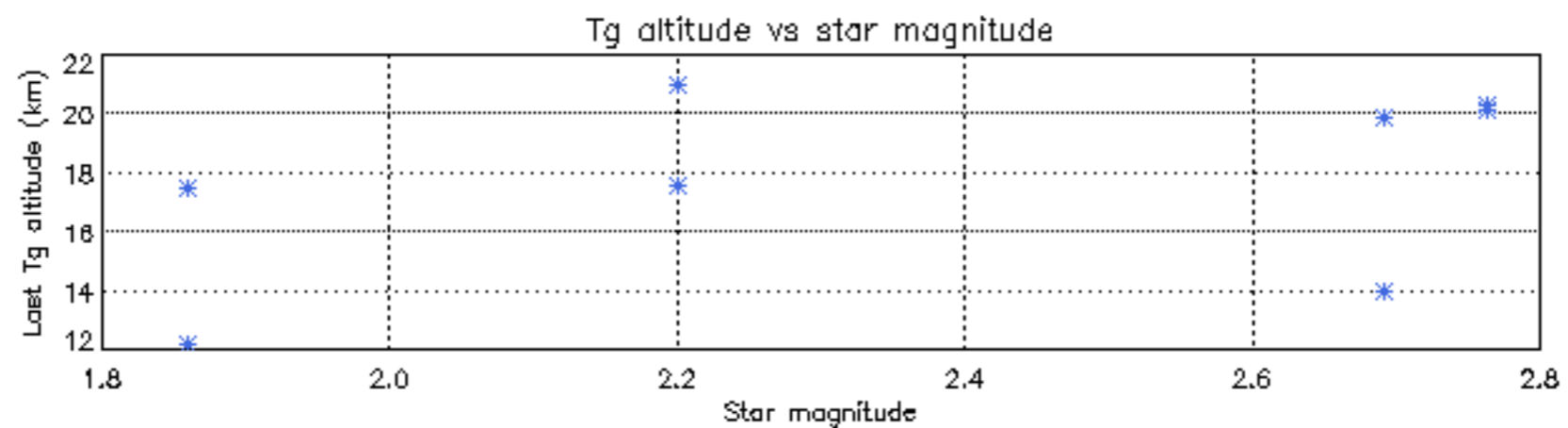
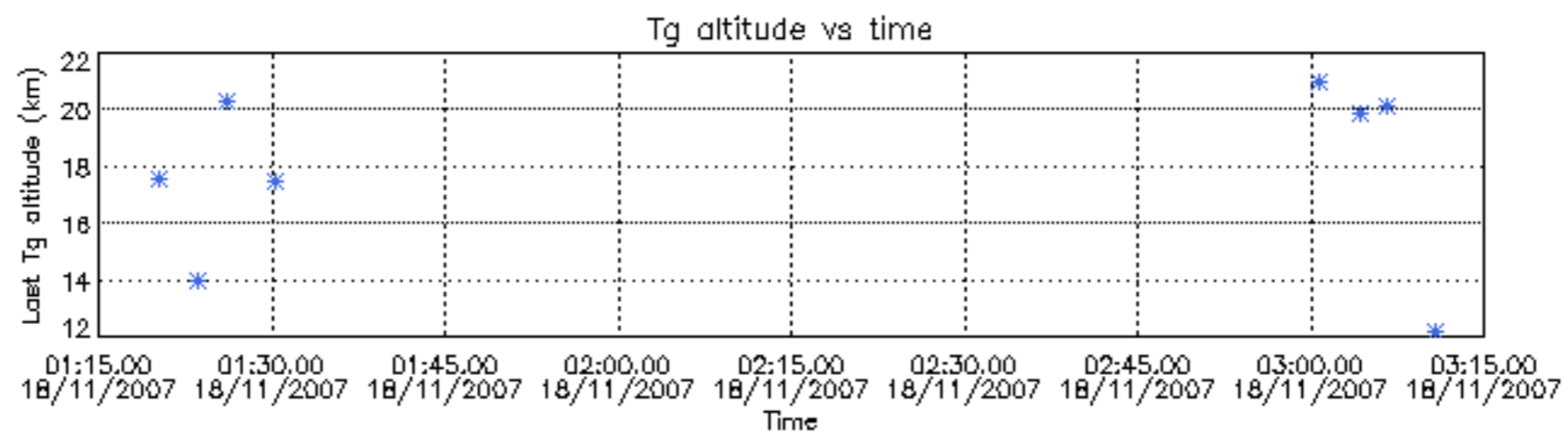
Percentage of star falling outside central band per profile



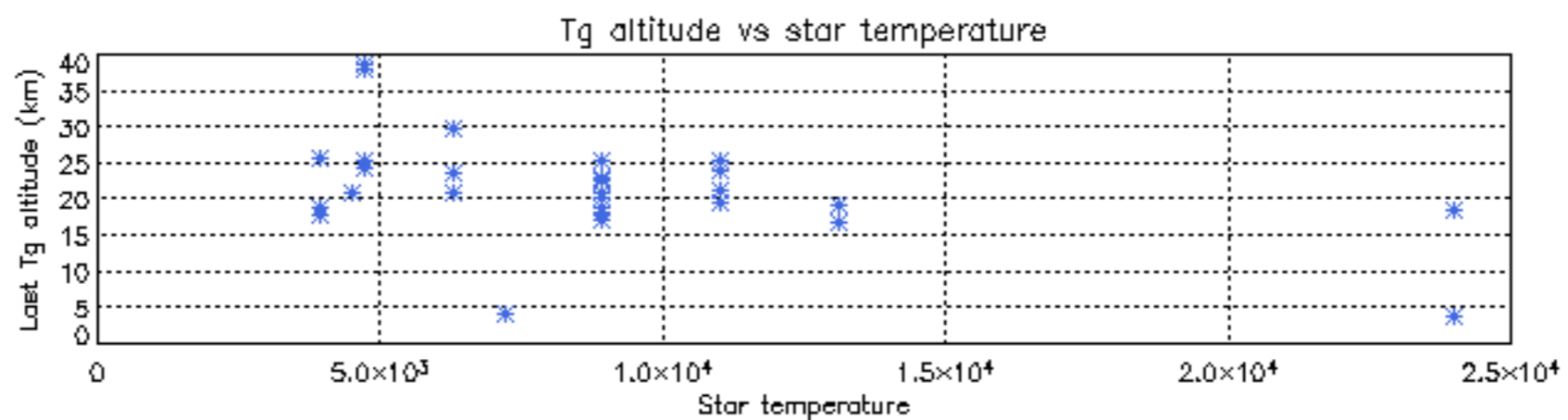
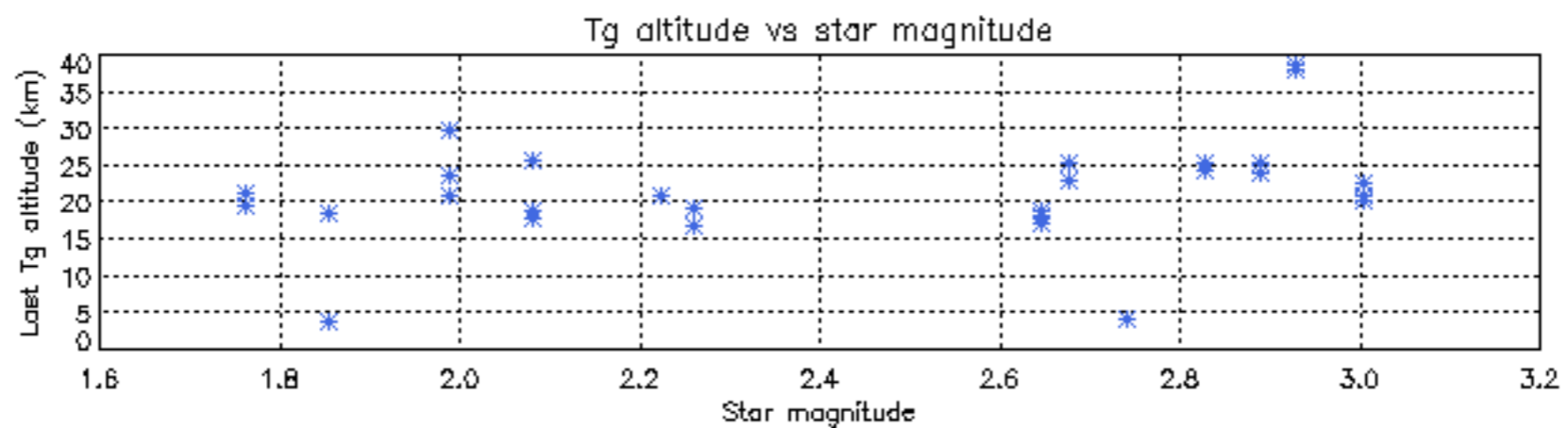
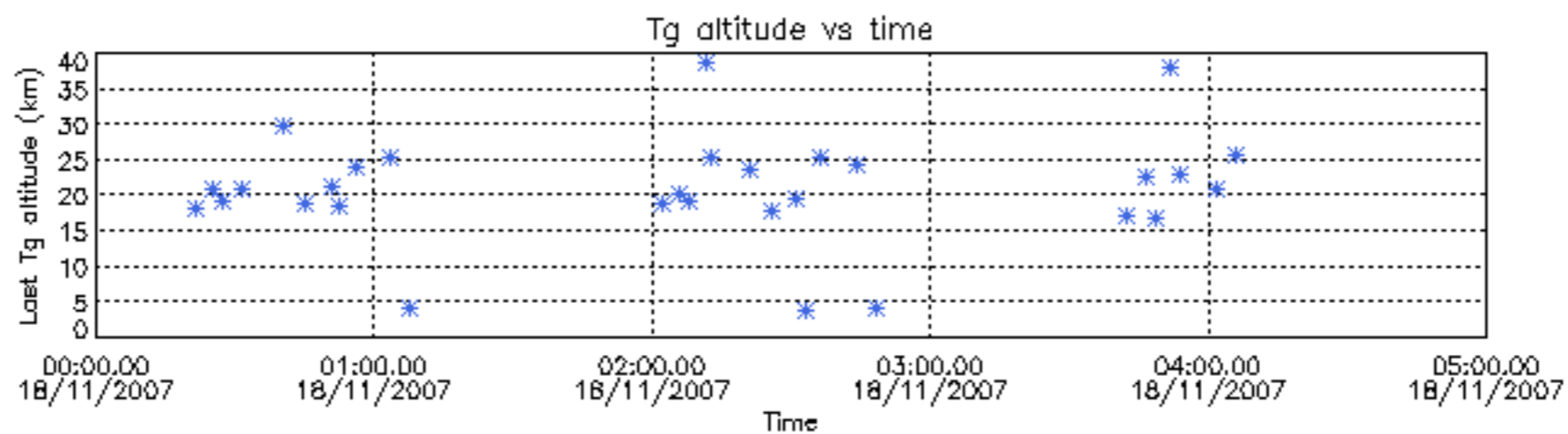
Percentage of saturation errors per profile



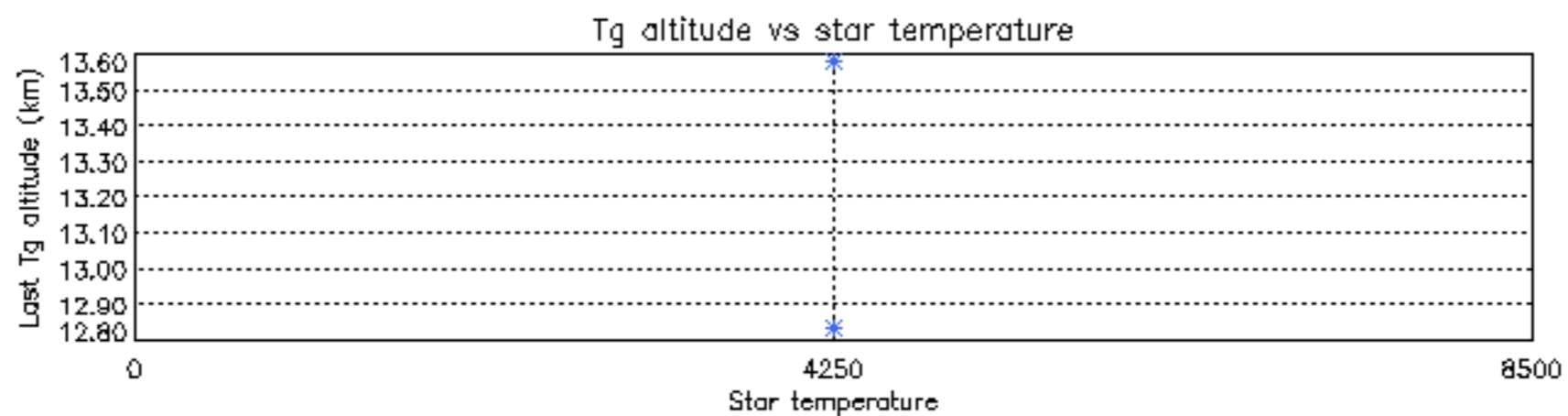
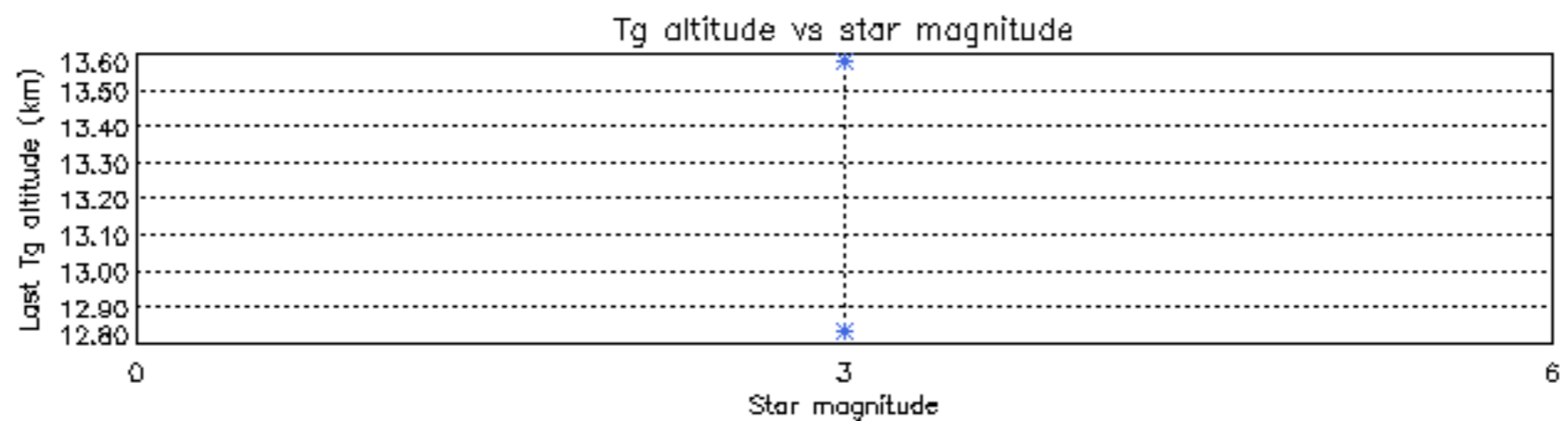
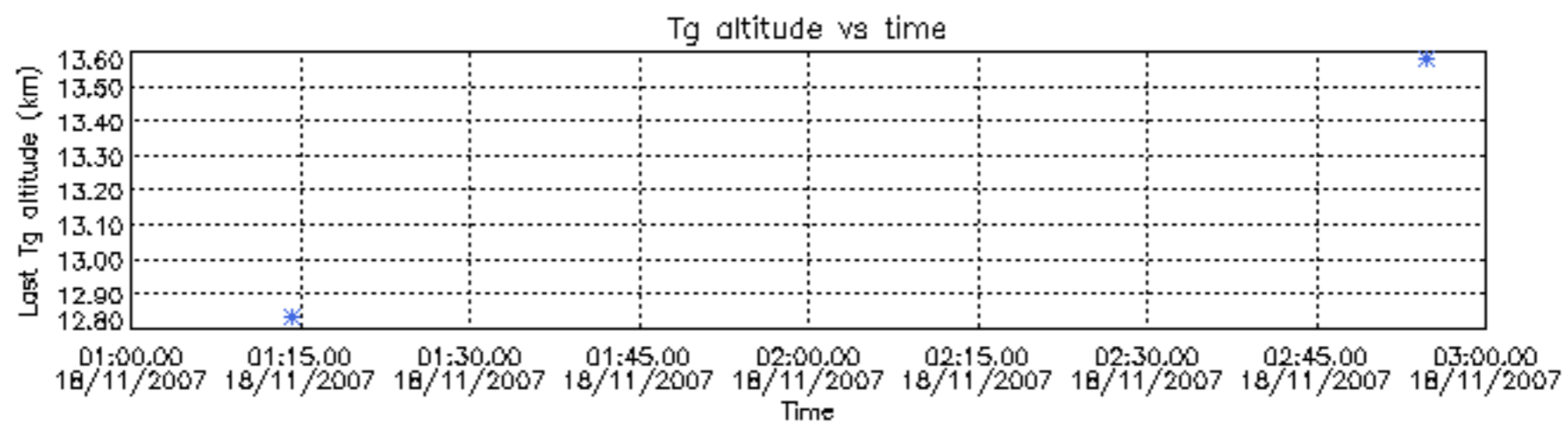
Tangent altitude at which the star is lost

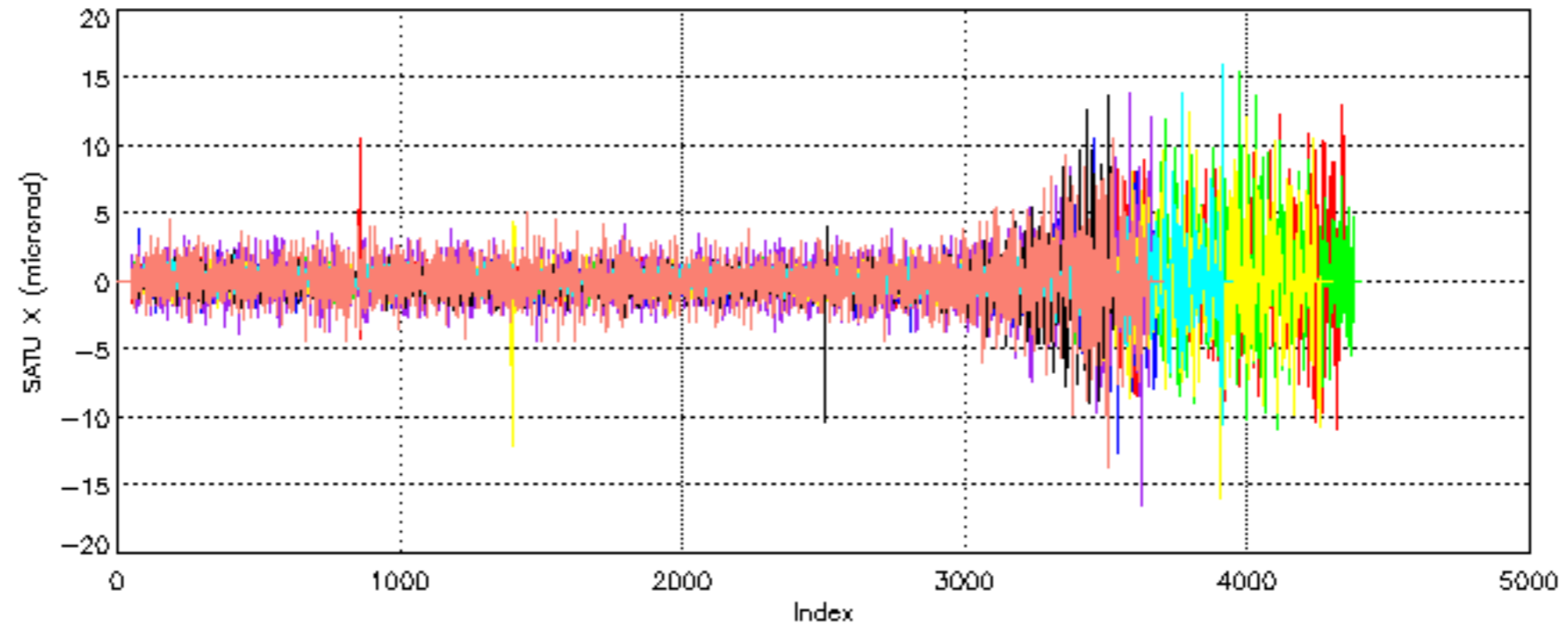


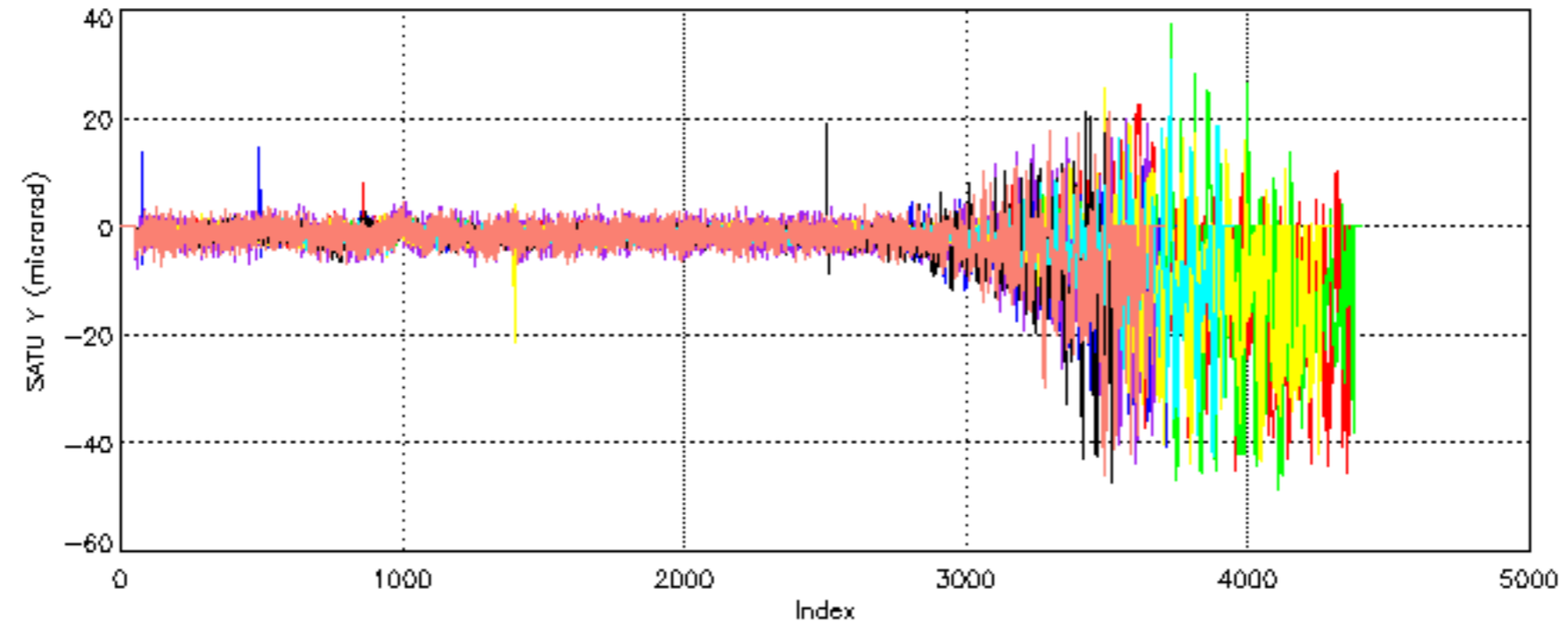
Tangent altitude at which the star is lost

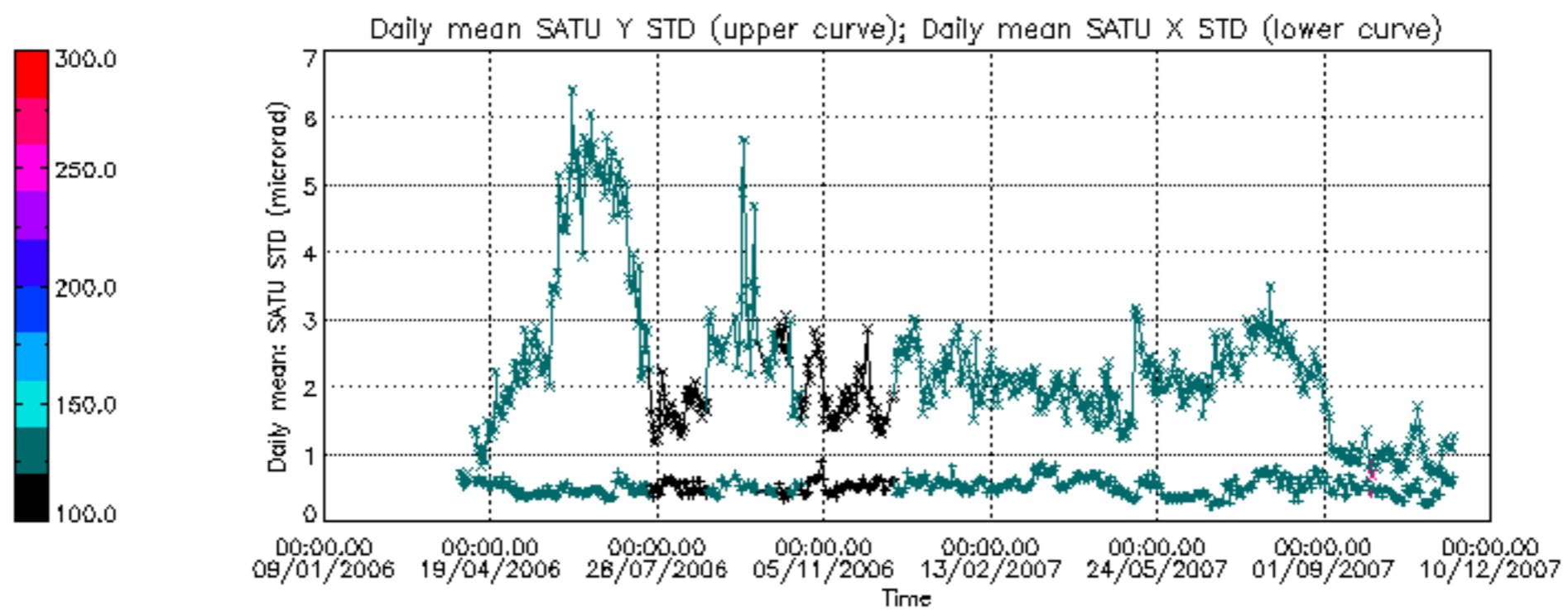


Tangent altitude at which the star is lost









/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

/nas3/ENVISAT/GOMOS/GOM_NL__0P/GOM_NL__0PNPDE20071101_030318_000055802063_00032_29645_4654.N1

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
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11;	4674.3;	01-NOV-2007	20:01:59;	Bright;	;	45.0;	96;	68Del Leo	;	2.56;	9300;occ;	90;	0;	29655
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14;	4008.1;	01-NOV-2007	23:12:05;	Bright;	;	37.0;	82;	48Bet UMa	;	2.37;	10600;occ;	74;	0;	29657
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3;	220.7;	01-NOV-2007	23:49:34;	Dark	;	44.5;	41;	Eps Car	;	1.86;	4100;occ;	89;	0;	29658
4;	354.4;	01-NOV-2007	23:51:47;	Dark	;	59.5;	0;		;	0.00;	0;occ;	119;	0;	29658
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6;	1143.6;	02-NOV-2007	00:04:56;	Dark	;	40.0;	157;	The1Eri	;	2.91;	9300;occ;	80;	0;	29658
7;	2272.3;	02-NOV-2007	00:23:45;	Bright;	;	38.0;	105;	6Bet Ari	;	2.64;	8900;occ;	76;	0;	29658
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9;	2658.7;	02-NOV-2007	02:10:47;	Bright;	;	40.0;	73;	57Gam1And	;	2.26;	13100;occ;	80;	0;	29659
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12;	3423.5;	02-NOV-2007	02:23:32;	Bright;	;	34.5;	49;	1Alp UMi	;	1.99;	6300;occ;	69;	0;	29659

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11; 2272.2; 02-NOV-2007 03:44:57; Bright; 37.0; 105; 6Bet Ari ; 2.64; 8900;occ; 74; 0;29660
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3;-1806.2; 02-NOV-2007 04:17:34; Bright; 38.0; 174; 52Psi UMA ; 3.00; 4400;occ; 76; 0;29660
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15; 2938.6; 02-NOV-2007 05:36:39; Bright; 36.5; 76; 27Gam Cas ; 2.30; 30000;occ; 73; 0;29661
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6; 2938.4; 02-NOV-2007 20:42:02; Bright; 36.0; 76; 27Gam Cas ; 2.30; 30000;occ; 72; 0;29670
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3; 228.5; 02-NOV-2007 21:37:28; Dark ; 42.0; 41; Eps Car ; 1.86; 4100;occ; 84; 0;29672
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4; 2868.0; 02-NOV-2007 08:56:41; Bright; 35.0; 68; 18Alp Cas ; 2.22; 4500;occ; 70; 0;29663
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7; 4018.8; 11-NOV-2007 07:52:30; Bright; 37.0; 32; 77Eps UMA ; 1.76; 11000;occ; 74; 0;29791
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 13; 5778.2; 11-NOV-2007 15:04:12; Dark ; 39.5; 64; Gam Cen ; 2.20; 10600;occ; 79; 0;29795
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23; 5059.9; 23-NOV-2007 01:50:25; Bright; 39.0; 121; 29Gam Vir ; 2.74; 7200;occ; 78; 0;29959

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3; -1904.6; 23-NOV-2007 03:15:32; Bright; 35.5; 39; 85Eta UMA ; 1.85; 24000;occ; 71; 0;29960
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22; 2831.9; 23-NOV-2007 04:34:29; Bright; 36.5; 160; 23Gam Per ; 2.93; 4700;occ; 73; 0;29961
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