

GOMOS Daily Report 11-SEP-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	13SEP2007 05:52:10
Data source version	GOMOS/5.00
Start time of products	QDS_YESTERDAY(/START)-1D (11SEP2007 00:00:00)
Stop time of products	QDS_YESTERDAY(/STOP)-1D (12SEP2007 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)

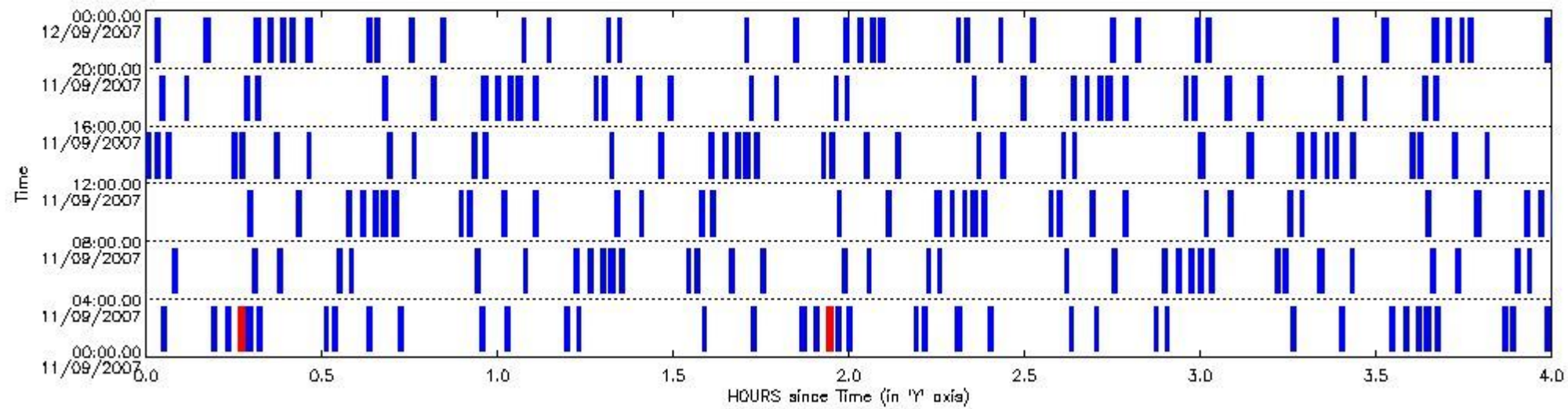
2.1 Level 0 products arrived in PCF (see template [here](#))

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)

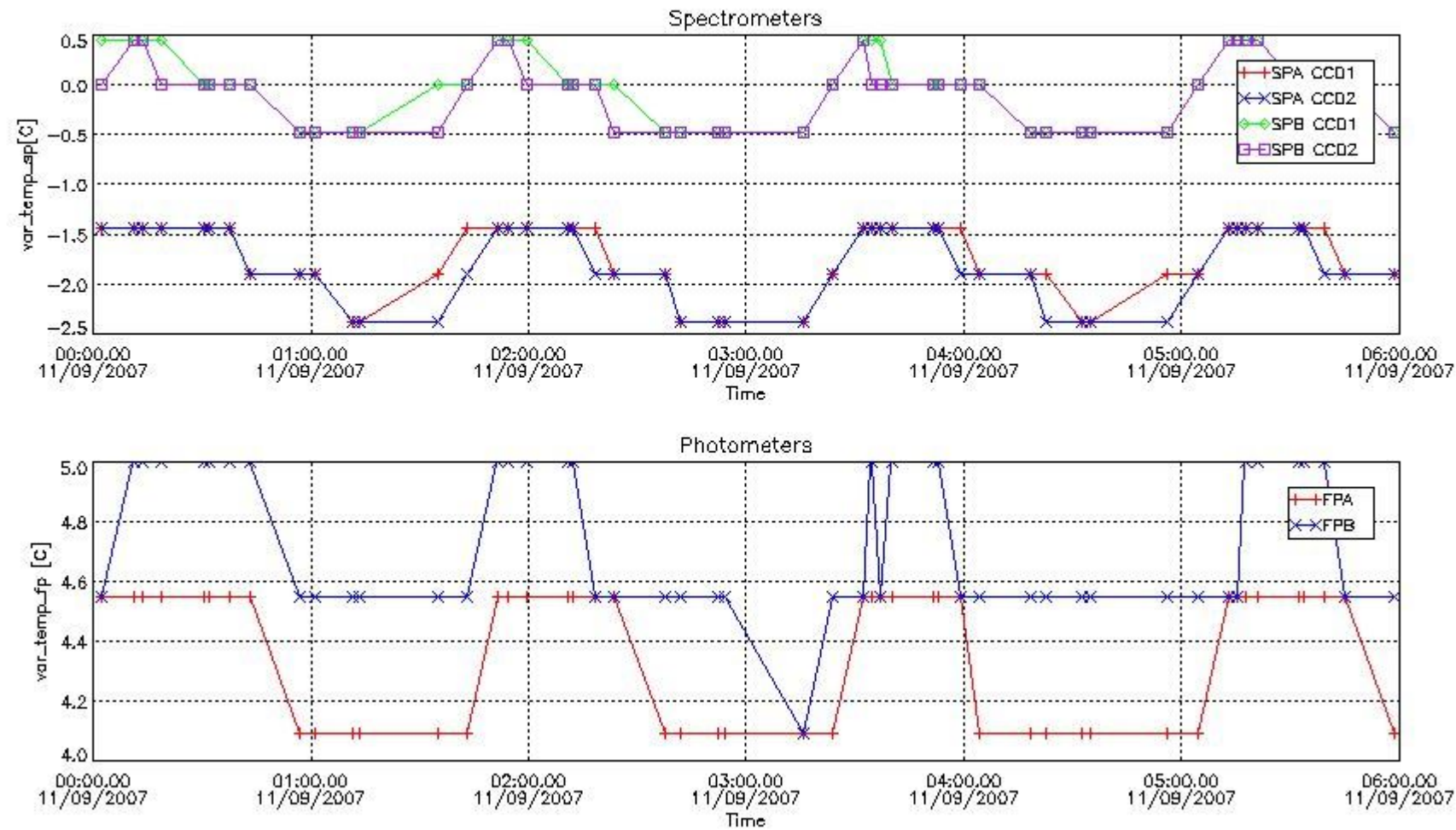
UTC start time	Star name	Star ID	Orbit
11-SEP-2007 00:15:35	1ZetCMa	177	28913
11-SEP-2007 01:56:12	1ZetCMa	177	28914

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_1PNPDE20070911_000234_000000522061_00302_28913_2819.N1	11-SEP-2007 00:02:34	Twilight	52.000	8	10Alp CMi	0.40000	6500.0	104	28913	No
2	GOM_TRA_1PNPDE20070911_001103_000000572061_00302_28913_2953.N1	11-SEP-2007 00:11:03	Dark	56.500	1	9Alp CMa	-1.4400	11000.	113	28913	No
3	GOM_TRA_1PNPDE20070911_001331_000000472061_00302_28913_2954.N1	11-SEP-2007 00:13:31	Dark	46.500	23	21Eps CMa	1.5020	26000.	93	28913	No
4	GOM_TRA_1PNPDE20070911_001858_000000492061_00302_28913_2955.N1	11-SEP-2007 00:18:58	Dark	48.500	108	Alp Col	2.6520	15200.	97	28913	No
5	GOM_TRA_1PNPDE20070911_003025_000000392061_00303_28914_2956.N1	11-SEP-2007 00:30:25	Dark	39.000	143	Alp Hyi	2.8570	7200.0	78	28914	No
6	GOM_TRA_1PNPDE20070911_003148_000000492061_00303_28914_2957.N1	11-SEP-2007 00:31:48	Dark	49.000	9	Alp Eri	0.45300	24000.	98	28914	No
7	GOM_TRA_1PNPDE20070911_003738_000000472061_00303_28914_2958.N1	11-SEP-2007 00:37:38	Straylight	47.000	84	Alp Phe	2.3970	4500.0	94	28914	No
8	GOM_TRA_1PNPDE20070911_004308_000000432061_00303_28914_2959.N1	11-SEP-2007 00:43:08	Straylight	42.500	18	24Alp PsA	1.1660	9700.0	85	28914	No
9	GOM_TRA_1PNPDE20070911_005701_000000422061_00303_28914_2960.N1	11-SEP-2007 00:57:01	Bright	41.500	90	54Alp Peg	2.4870	11000.	83	28914	No

10	GOM_TRA_1PNPDE20070911_010115_000000402061_00303_28914_2961.N1	11-SEP-2007 01:01:15	Bright	40.000	164	44Eta Peg	2.9480	5400.0	80	28914	No
11	GOM_TRA_1PNPDE20070911_011130_000000432061_00303_28914_2962.N1	11-SEP-2007 01:11:30	Bright	42.500	74	11Bet Cas	2.2680	6600.0	85	28914	No
12	GOM_TRA_1PNPDE20070911_011326_000000342061_00303_28914_2963.N1	11-SEP-2007 01:13:26	Bright	34.000	76	27Gam Cas	2.3000	30000.	68	28914	No
13	GOM_TRA_1PNPDE20070911_013456_000000432061_00303_28914_2964.N1	11-SEP-2007 01:34:56	Bright	42.500	24	66Alp Gem	1.5800	10200.	85	28914	No
14	GOM_TRA_1PNPDE20070911_014310_000000482061_00303_28914_2965.N1	11-SEP-2007 01:43:10	Twilight	48.000	8	10Alp CMi	0.40000	6500.0	96	28914	No
15	GOM_TRA_1PNPDE20070911_015140_000000552061_00303_28914_3127.N1	11-SEP-2007 01:51:40	Dark	55.000	1	9Alp CMa	-1.4400	11000.	110	28914	No
16	GOM_TRA_1PNPDE20070911_015408_000000432061_00303_28914_3128.N1	11-SEP-2007 01:54:08	Dark	42.500	23	21Eps CMa	1.5020	26000.	85	28914	No
17	GOM_TRA_1PNPDE20070911_015935_000000492061_00303_28914_3129.N1	11-SEP-2007 01:59:35	Dark	48.500	108	Alp Col	2.6520	15200.	97	28914	No
18	GOM_TRA_1PNPDE20070911_021101_000000402061_00304_28915_3130.N1	11-SEP-2007 02:11:01	Dark	39.500	143	Alp Hyi	2.8570	7200.0	79	28915	No
19	GOM_TRA_1PNPDE20070911_021224_000000492061_00304_28915_3131.N1	11-SEP-2007 02:12:24	Dark	48.500	9	Alp Eri	0.45300	24000.	97	28915	No
20	GOM_TRA_1PNPDE20070911_021815_000000542061_00304_28915_3132.N1	11-SEP-2007 02:18:15	Straylight	53.500	84	Alp Phe	2.3970	4500.0	107	28915	No
21	GOM_TRA_1PNPDE20070911_022345_000000472061_00304_28915_3133.N1	11-SEP-2007 02:23:45	Straylight	46.500	18	24Alp PsA	1.1660	9700.0	93	28915	No
22	GOM_TRA_1PNPDE20070911_023737_000000422061_00304_28915_3134.N1	11-SEP-2007 02:37:37	Bright	41.500	90	54Alp Peg	2.4870	11000.	83	28915	No
23	GOM_TRA_1PNPDE20070911_024151_000000392061_00304_28915_3135.N1	11-SEP-2007 02:41:51	Bright	38.500	164	44Eta Peg	2.9480	5400.0	77	28915	No
24	GOM_TRA_1PNPDE20070911_025205_000000392061_00304_28915_3136.N1	11-SEP-2007 02:52:05	Bright	39.000	74	11Bet Cas	2.2680	6600.0	78	28915	No
25	GOM_TRA_1PNPDE20070911_025401_000000342061_00304_28915_3137.N1	11-SEP-2007 02:54:01	Bright	33.500	76	27Gam Cas	2.3000	30000.	67	28915	No
26	GOM_TRA_1PNPDE20070911_031532_000000422061_00304_28915_3258.N1	11-SEP-2007 03:15:32	Bright	41.500	24	66Alp Gem	1.5800	10200.	83	28915	No
27	GOM_TRA_1PNPDE20070911_032347_000000502061_00304_28915_3259.N1	11-SEP-2007 03:23:47	Twilight	50.000	8	10Alp CMi	0.40000	6500.0	100	28915	No
28	GOM_TRA_1PNPDE20070911_033217_000000552061_00304_28915_3260.N1	11-SEP-2007 03:32:17	Dark	54.500	1	9Alp CMa	-1.4400	11000.	109	28915	No
29	GOM_TRA_1PNPDE20070911_033444_000000462061_00304_28915_3261.N1	11-SEP-2007 03:34:44	Dark	46.000	23	21Eps CMa	1.5020	26000.	92	28915	No
30	GOM_TRA_1PNPDE20070911_033654_000000462061_00304_28915_3262.N1	11-SEP-2007 03:36:54	Dark	46.000	177	1Zet CMa	3.0220	26000.	92	28915	No
31	GOM_TRA_1PNPDE20070911_034012_000000492061_00304_28915_3263.N1	11-SEP-2007 03:40:12	Dark	49.000	108	Alp Col	2.6520	15200.	98	28915	No
32	GOM_TRA_1PNPDE20070911_035138_000000412061_00305_28916_3264.N1	11-SEP-2007 03:51:38	Dark	41.000	143	Alp Hyi	2.8570	7200.0	82	28916	No
33	GOM_TRA_1PNPDE20070911_035301_000000452061_00305_28916_3265.N1	11-SEP-2007 03:53:01	Dark	44.500	9	Alp Eri	0.45300	24000.	89	28916	No
34	GOM_TRA_1PNPDE20070911_035851_000000492061_00305_28916_3266.N1	11-SEP-2007 03:58:51	Straylight	49.000	84	Alp Phe	2.3970	4500.0	98	28916	No
35	GOM_TRA_1PNPDE20070911_040421_000000482061_00305_28916_3267.N1	11-SEP-2007 04:04:21	Straylight	47.500	18	24Alp PsA	1.1660	9700.0	95	28916	No
36	GOM_TRA_1PNPDE20070911_041813_000000422061_00305_28916_3268.N1	11-SEP-2007 04:18:13	Bright	42.000	90	54Alp Peg	2.4870	11000.	84	28916	No
37	GOM_TRA_1PNPDE20070911_042227_000000402061_00305_28916_3269.N1	11-SEP-2007 04:22:27	Bright	39.500	164	44Eta Peg	2.9480	5400.0	79	28916	No
38	GOM_TRA_1PNPDE20070911_043240_000000422061_00305_28916_3270.N1	11-SEP-2007 04:32:40	Bright	42.000	74	11Bet Cas	2.2680	6600.0	84	28916	No
39	GOM_TRA_1PNPDE20070911_043436_000000382061_00305_28916_3271.N1	11-SEP-2007 04:34:36	Bright	37.500	76	27Gam Cas	2.3000	30000.	75	28916	No
40	GOM_TRA_1PNPDE20070911_045608_000000422061_00305_28916_3421.N1	11-SEP-2007 04:56:08	Bright	41.500	24	66Alp Gem	1.5800	10200.	83	28916	No
41	GOM_TRA_1PNPDE20070911_050423_000000402061_00305_28916_3422.N1	11-SEP-2007 05:04:23	Twilight	40.000	8	10Alp CMi	0.40000	6500.0	80	28916	No
42	GOM_TRA_1PNPDE20070911_051254_000000622061_00305_28916_3423.N1	11-SEP-2007 05:12:54	Dark	62.000	1	9Alp CMa	-1.4400	11000.	124	28916	No
43	GOM_TRA_1PNPDE20070911_051521_000000462061_00305_28916_3424.N1	11-SEP-2007 05:15:21	Dark	46.000	23	21Eps CMa	1.5020	26000.	92	28916	No
44	GOM_TRA_1PNPDE20070911_051731_000000462061_00305_28916_3425.N1	11-SEP-2007 05:17:31	Dark	46.000	177	1Zet CMa	3.0220	26000.	92	28916	No
45	GOM_TRA_1PNPDE20070911_052049_000000482061_00305_28916_3426.N1	11-SEP-2007 05:20:49	Dark	48.000	108	Alp Col	2.6520	15200.	96	28916	No
46	GOM_TRA_1PNPDE20070911_053214_000000412061_00306_28917_3427.N1	11-SEP-2007 05:32:14	Dark	40.500	143	Alp Hyi	2.8570	7200.0	81	28917	No
47	GOM_TRA_1PNPDE20070911_053337_000000442061_00306_28917_3428.N1	11-SEP-2007 05:33:37	Dark	44.000	9	Alp Eri	0.45300	24000.	88	28917	No
48	GOM_TRA_1PNPDE20070911_053928_000000482061_00306_28917_3429.N1	11-SEP-2007 05:39:28	Straylight	47.500	84	Alp Phe	2.3970	4500.0	95	28917	No
49	GOM_TRA_1PNPDE20070911_054457_000000452061_00306_28917_3430.N1	11-SEP-2007 05:44:57	Straylight	44.500	18	24Alp PsA	1.1660	9700.0	89	28917	No
50	GOM_TRA_1PNPDE20070911_055849_000000422061_00306_28917_3431.N1	11-SEP-2007 05:58:49	Bright	42.000	90	54Alp Peg	2.4870	11000.	84	28917	No

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



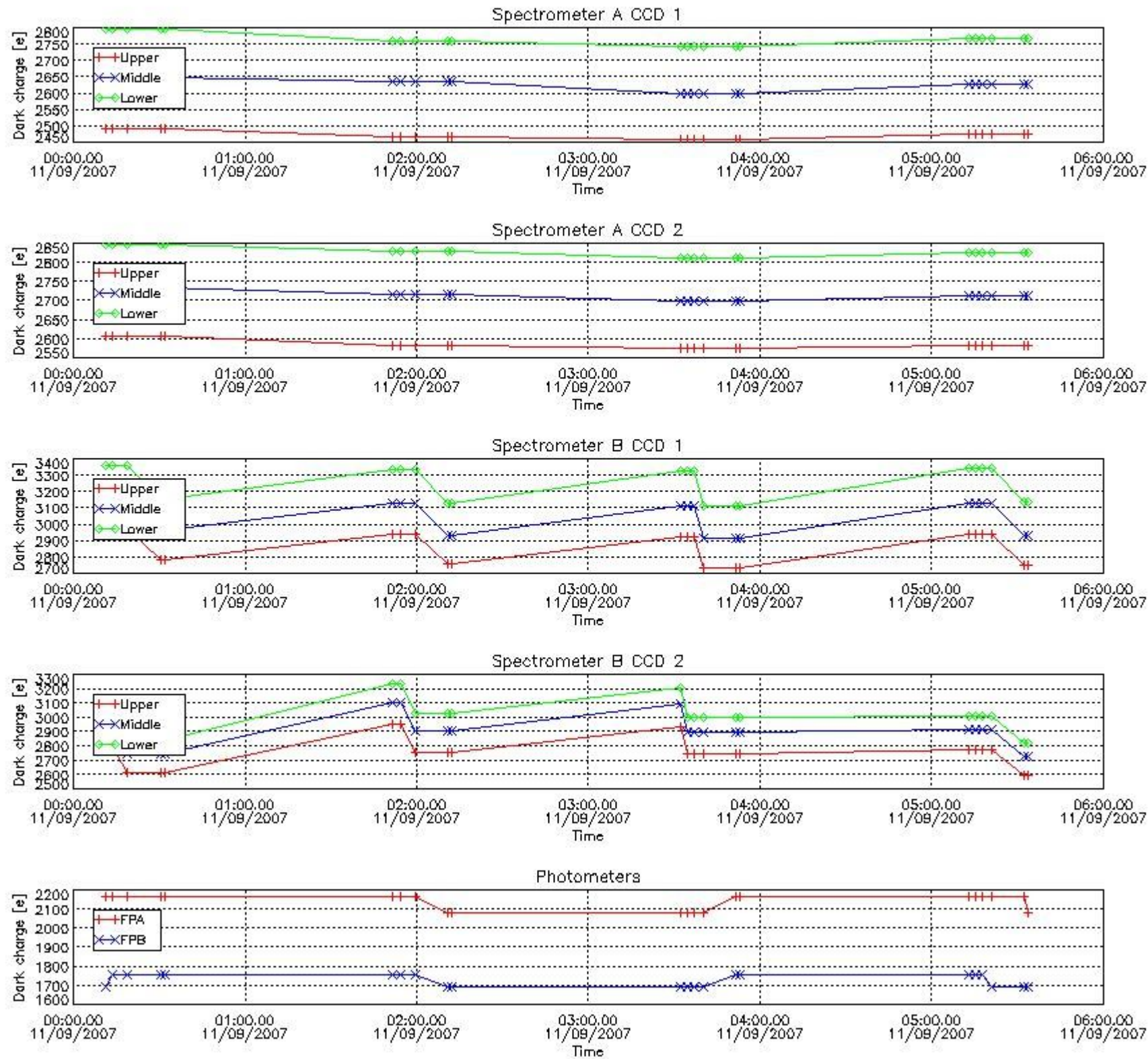
4. Overview of dark signal processing per product

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



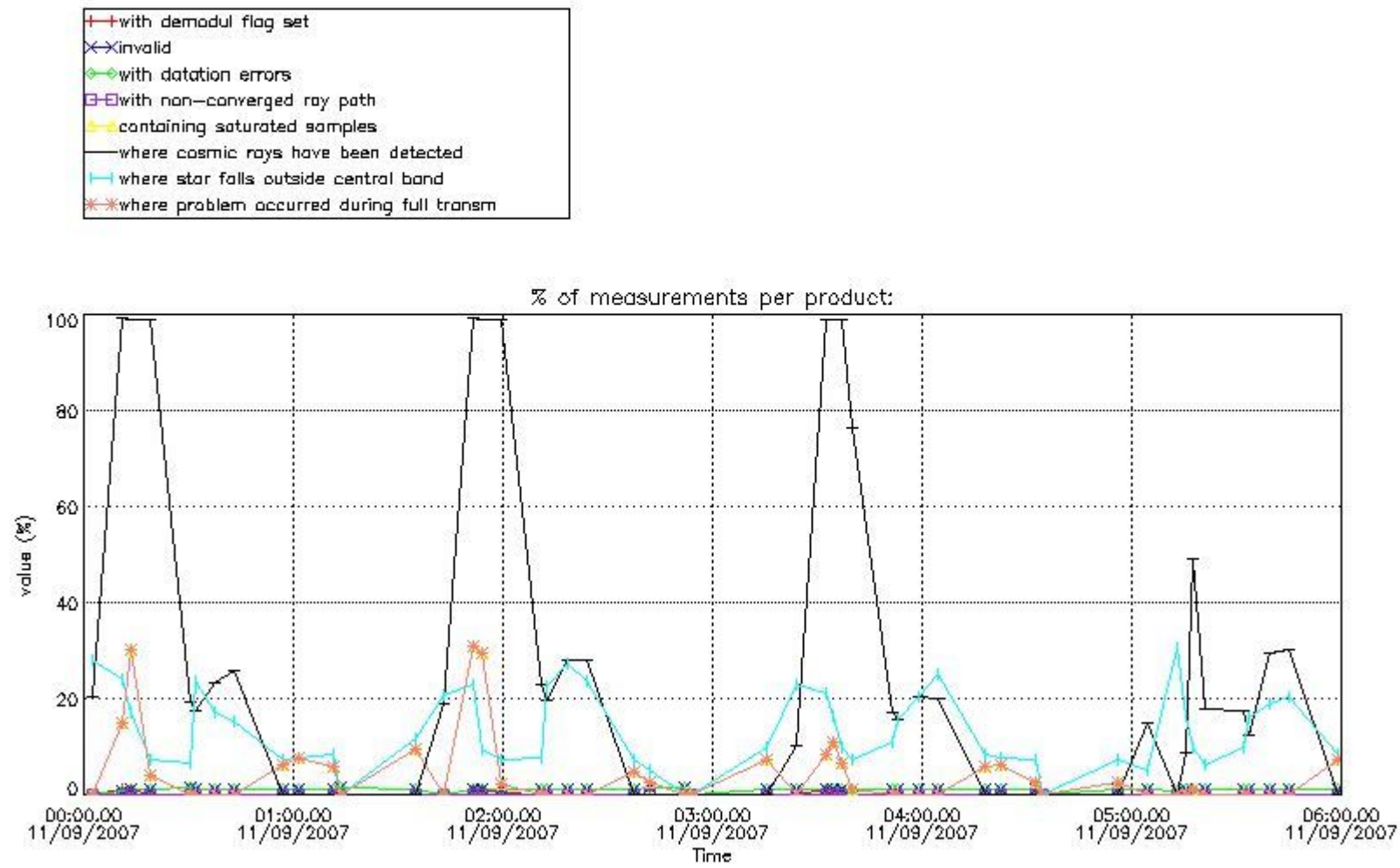
5. Demodulation flag and quality information monitoring

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.

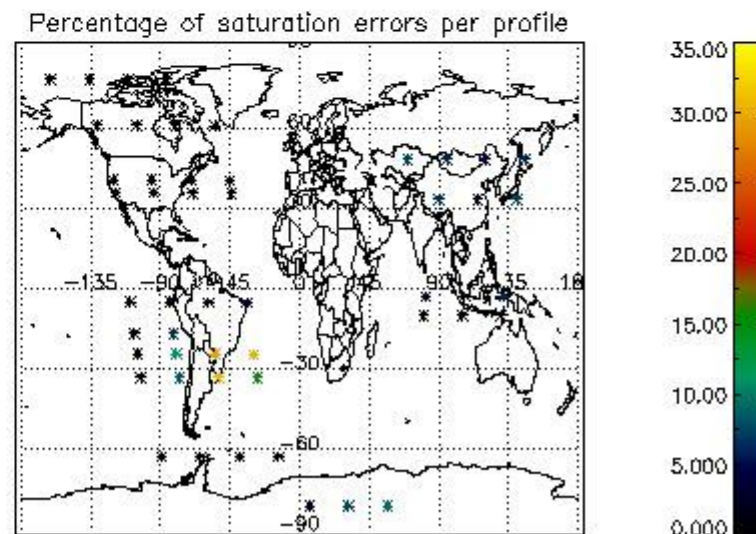
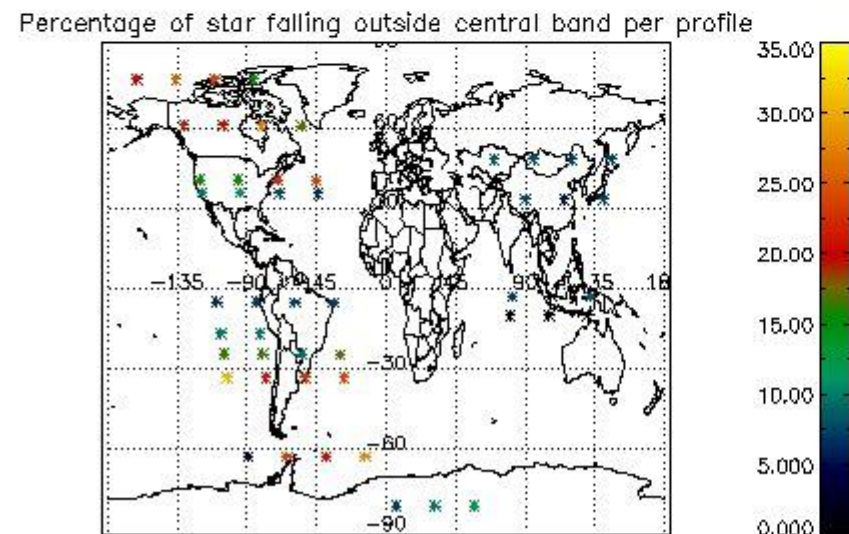
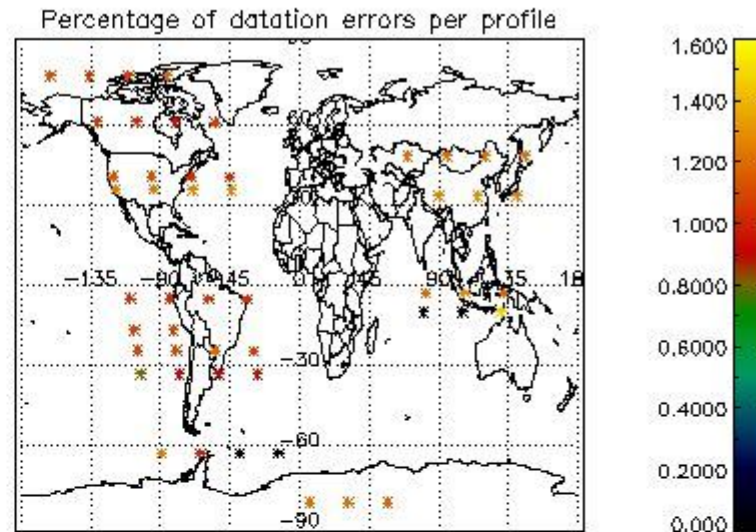
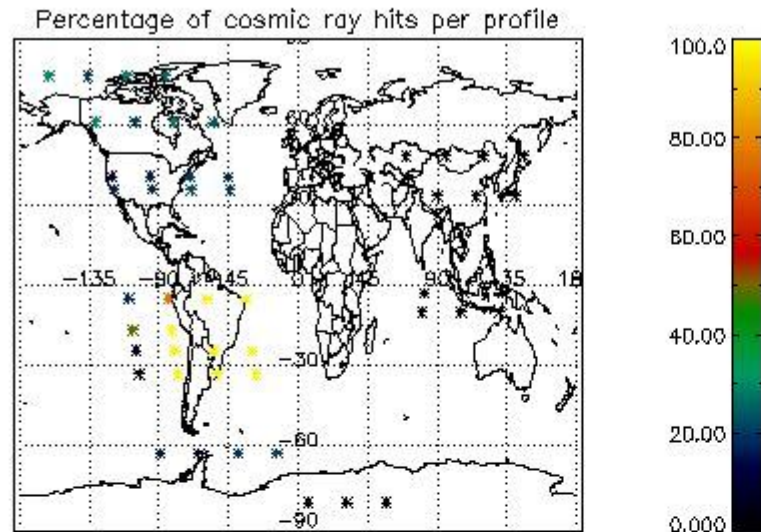
5.1 Percentage of products during reporting period with:

At least one measurement with demodulation flag set:	24.0000 %
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)



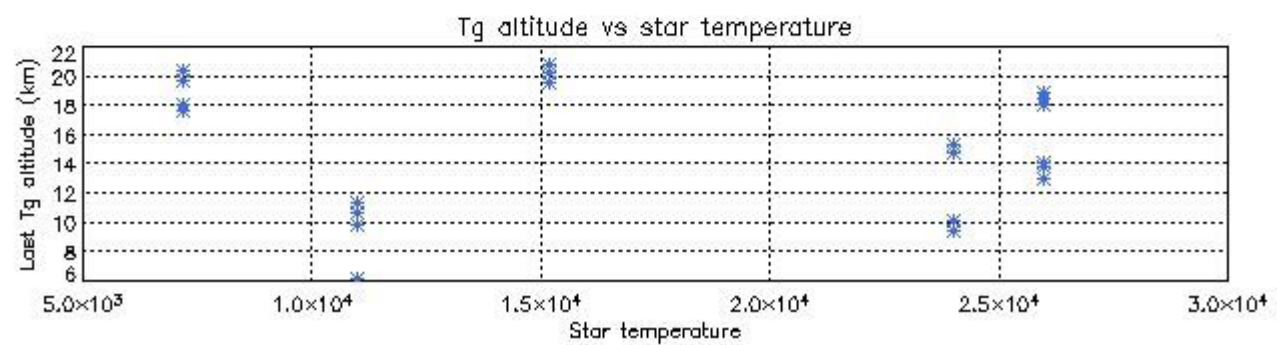
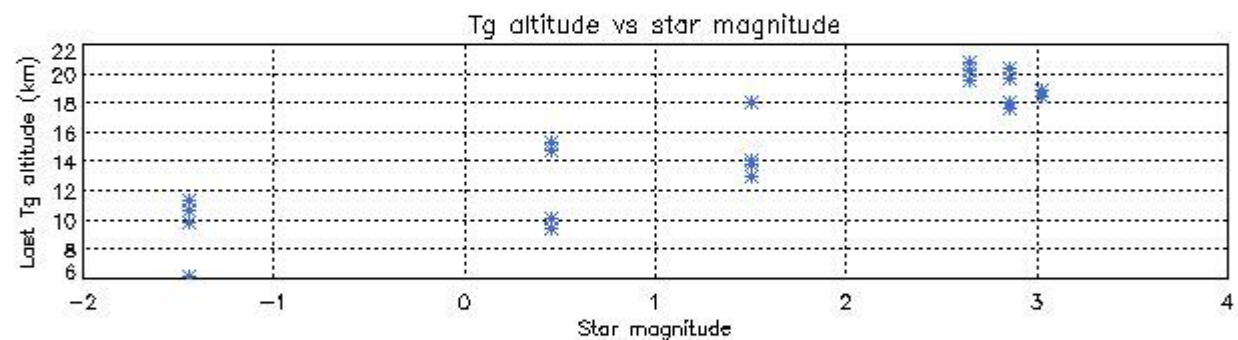
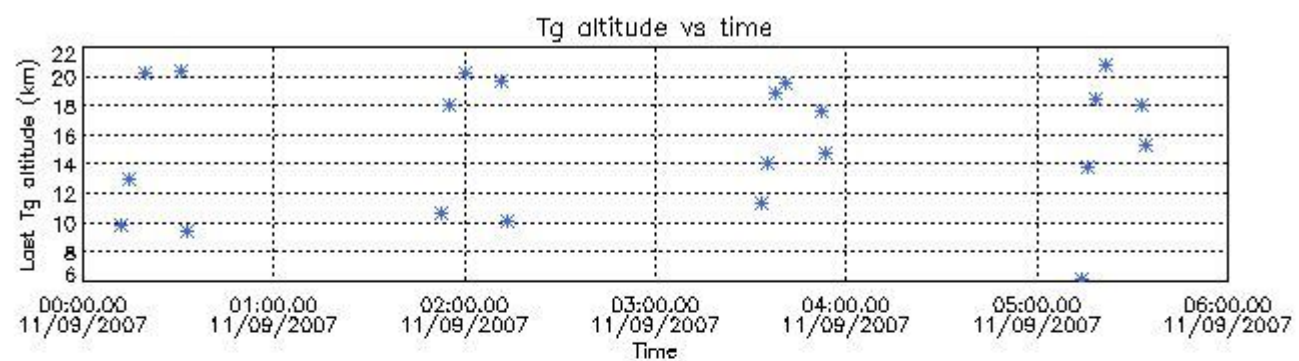
6. Statistics and plot of tangent altitude of the last measurement (DARK & BRIGHT products without errors)

6.1 Statistics on tangent altitude lost:

Statistics	DARK	BRIGHT	TWILIGHT
Mean:	15.458	24.009	12.937
St. deviation:	4.4021	8.7882	5.5501
Maximum:	20.707	44.818	21.070
Minimum:	6.1035	17.289	8.8002
Number of data:	22.000	16.000	4.0000

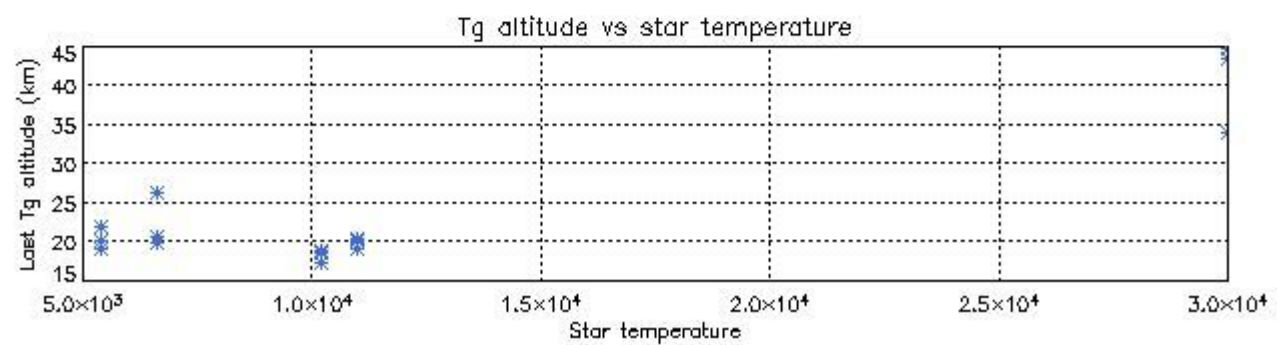
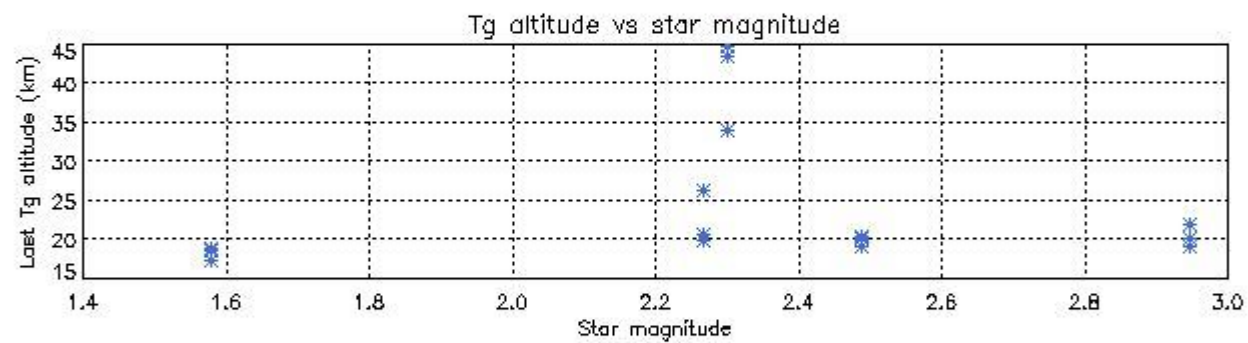
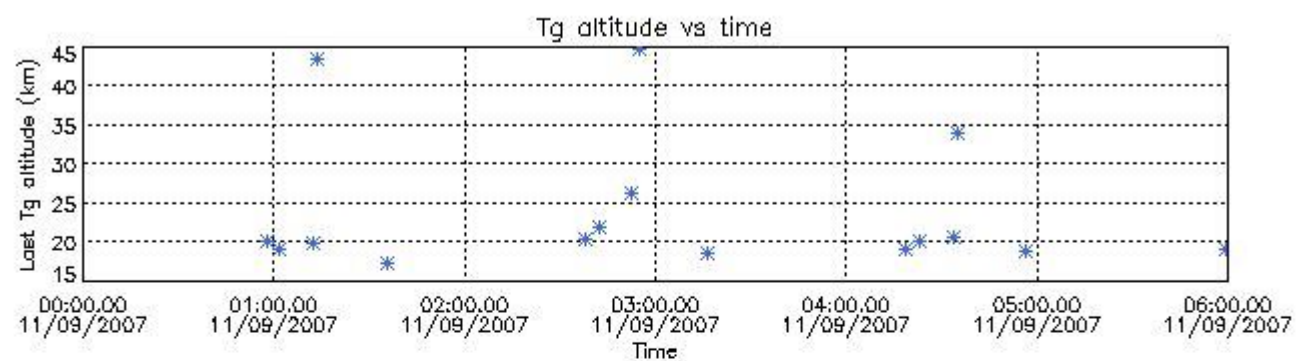
6.2 Plot for DARK limb products

Tangent altitude at which the star is lost



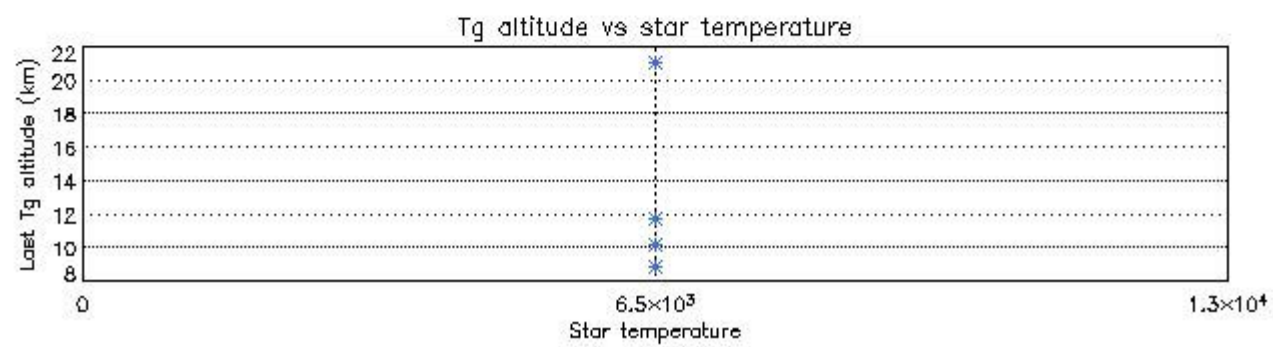
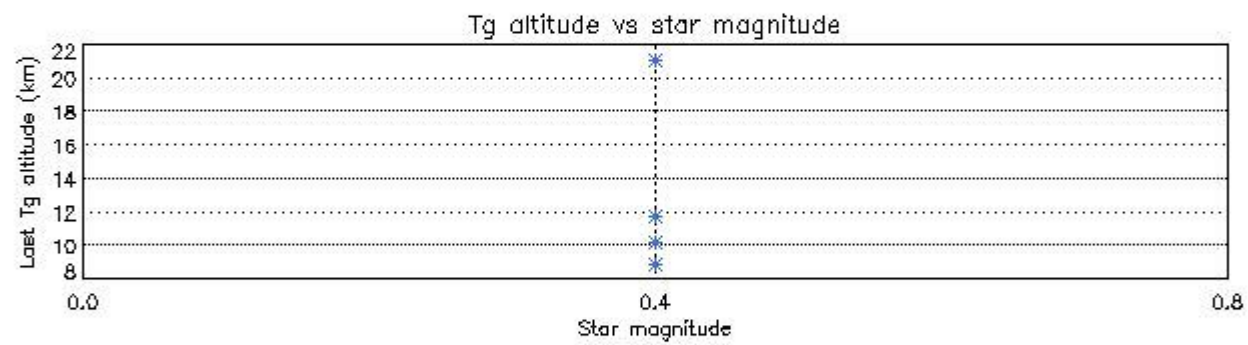
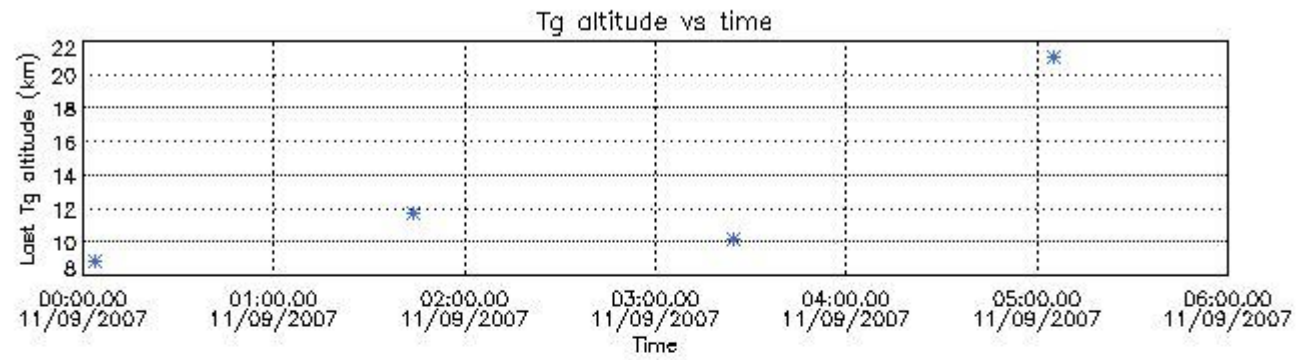
6.3 Plot for BRIGHT limb products

Tangent altitude at which the star is lost



6.3 Plot for TWILIGHT limb products

Tangent altitude at which the star is lost

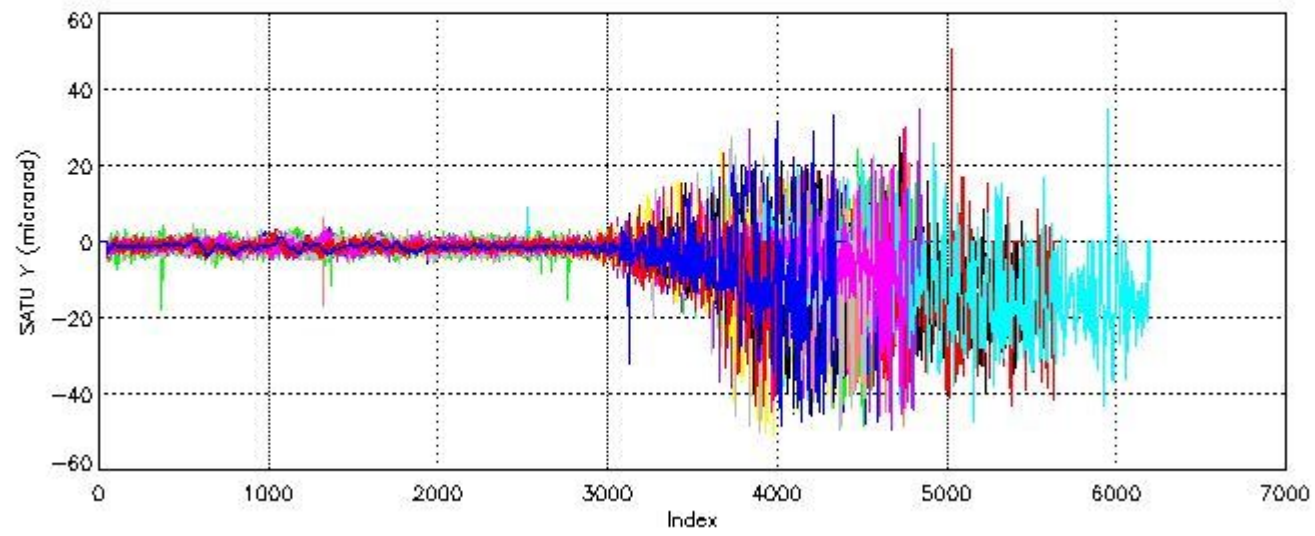
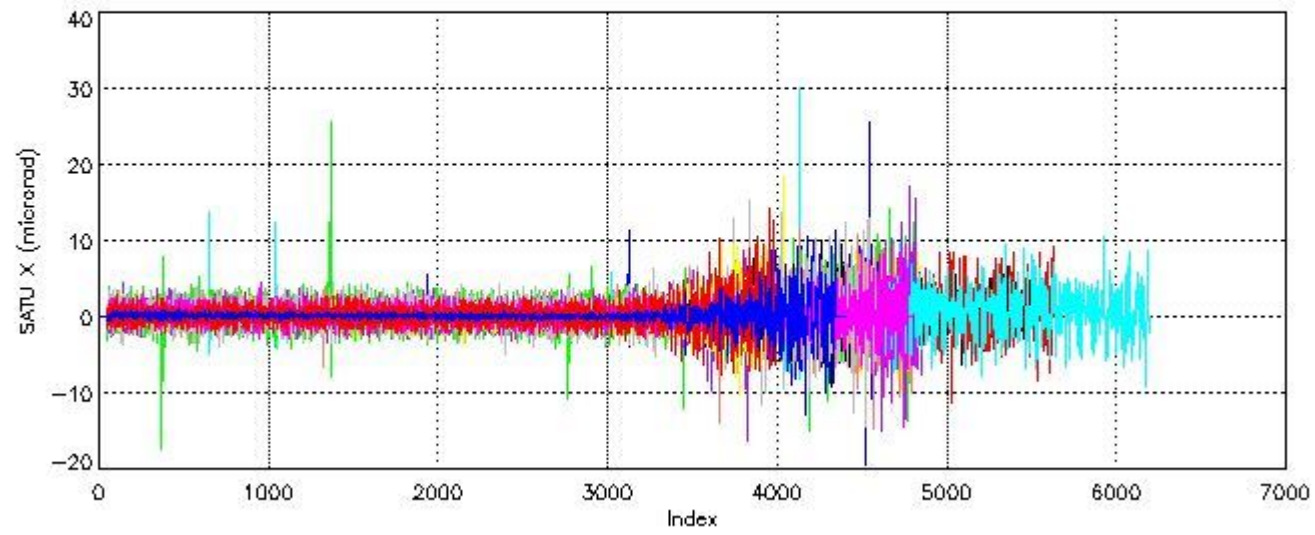


7. Star Acquisition and Tracking Unit (SATU)

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:	0.23854	-1.2211	0.29399	-1.1334
St. deviation:	0.63636	0.99364	0.80341	1.1141
Maximum:	13.800	4.6000	4.2000	6.7000
Minimum:	-17.400	-17.800	-3.4000	-5.6000

Number of data:	23000.	23000.	15350.	15350.
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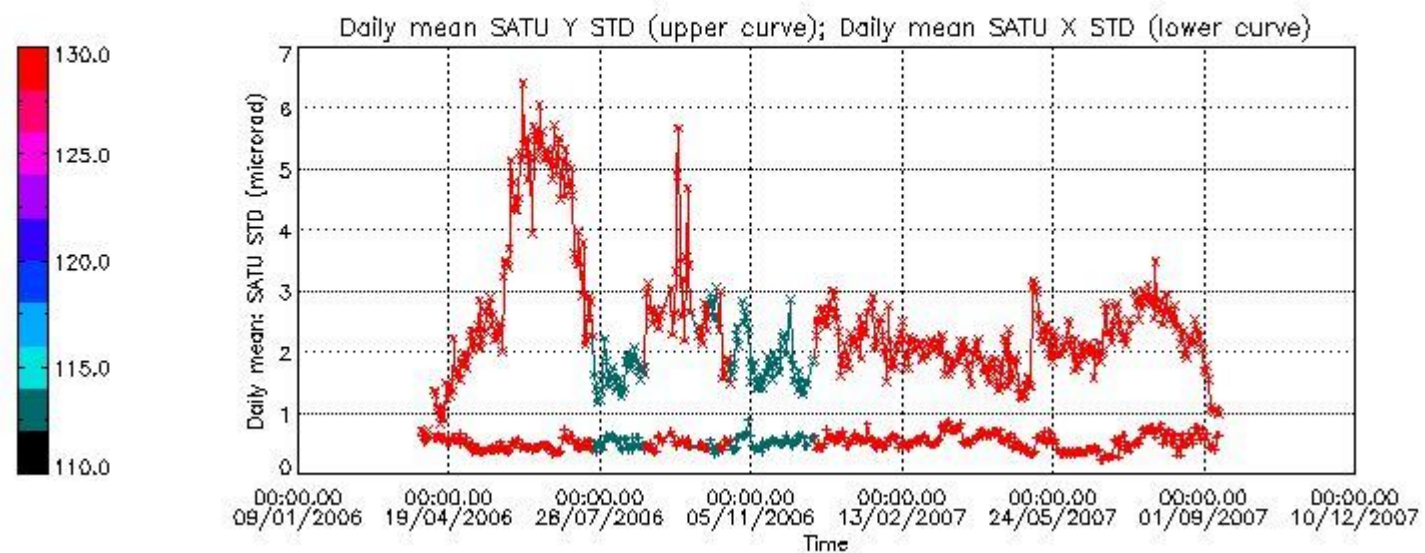
7.2.2 Trend of daily SATU NEA St. deviation since 1st April 2006 (dark limb)

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

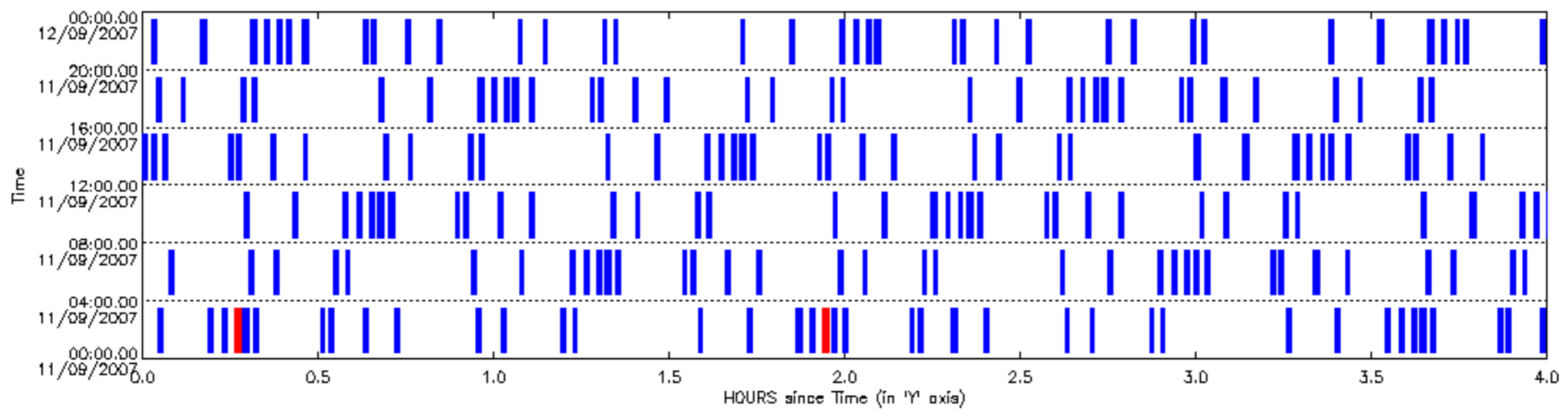
Lower curve: STD of SATU X axis

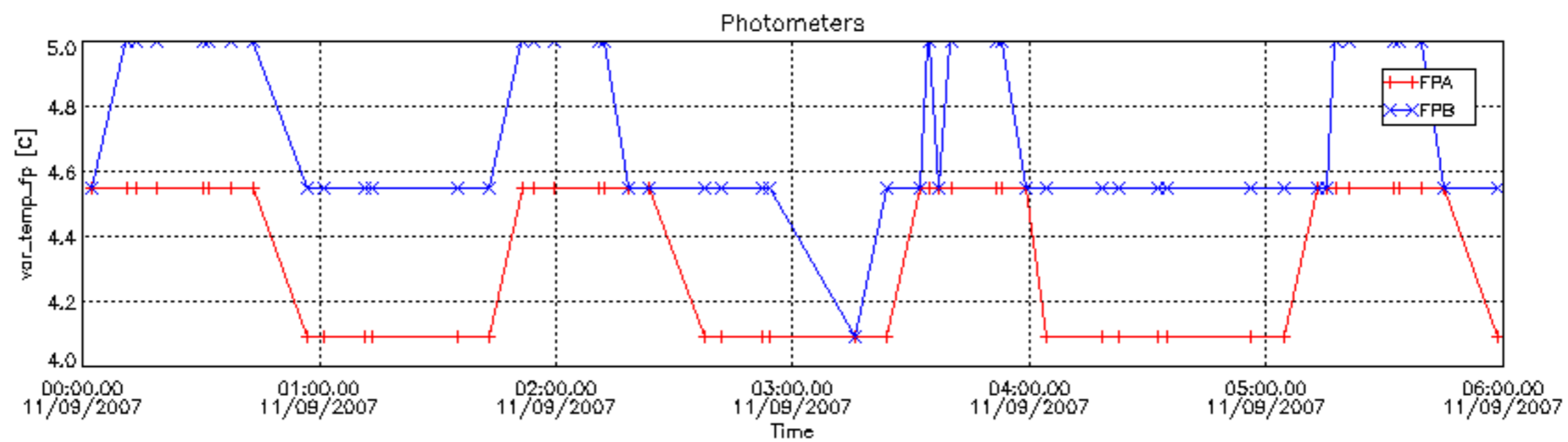
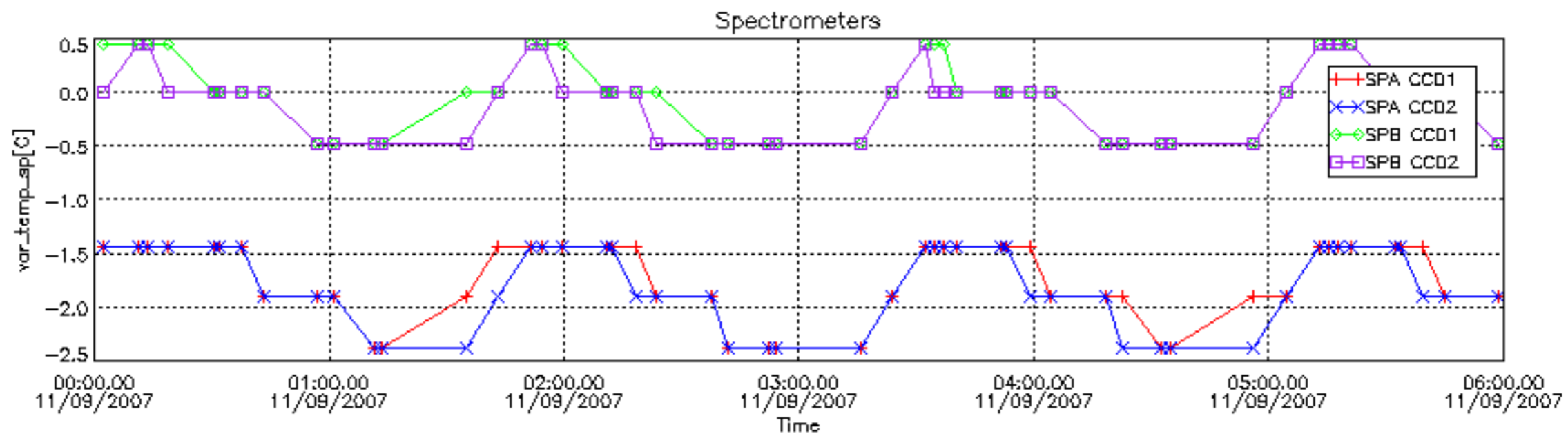


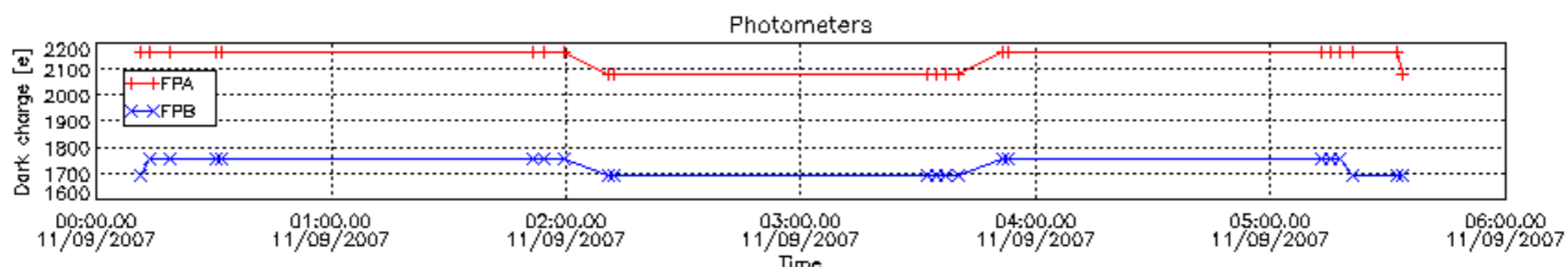
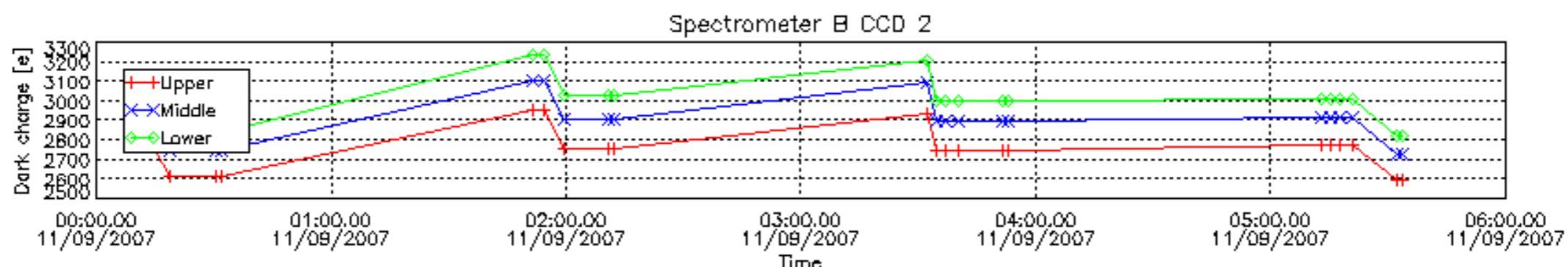
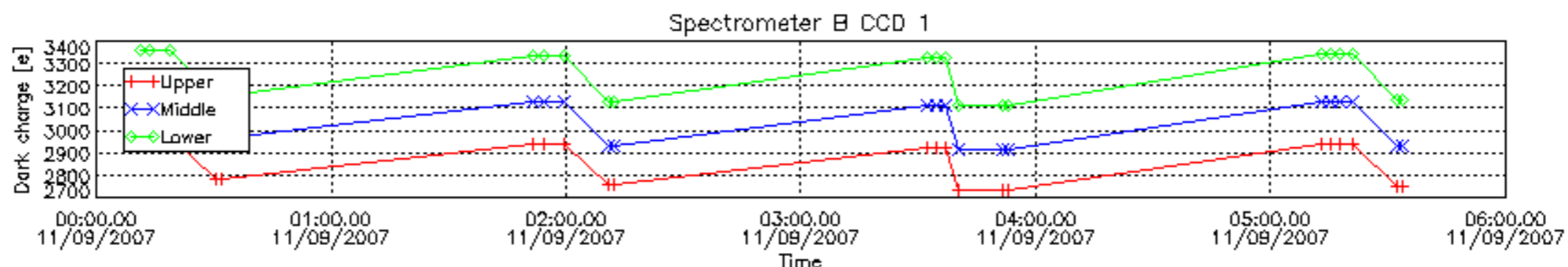
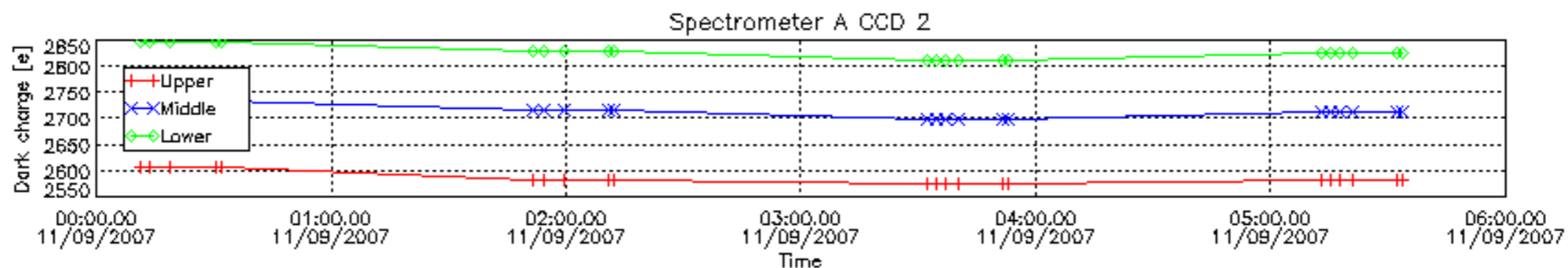
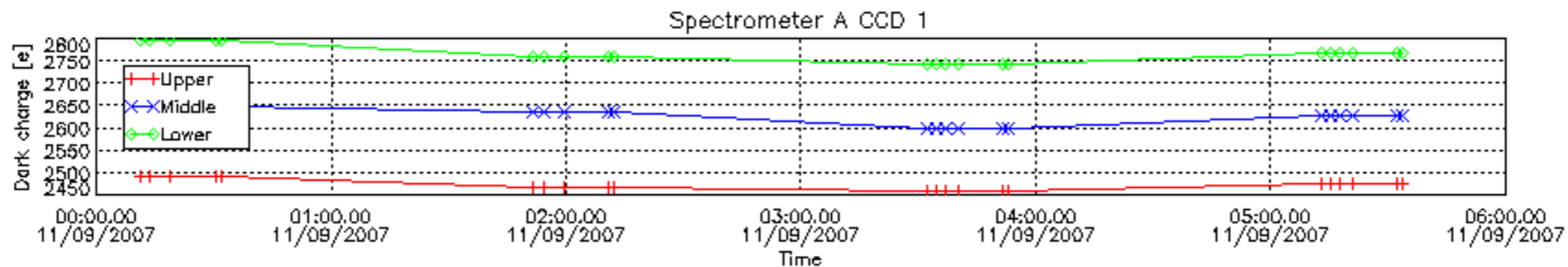
8. Auxiliary Data Files used for the production reported in section 2.4

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.

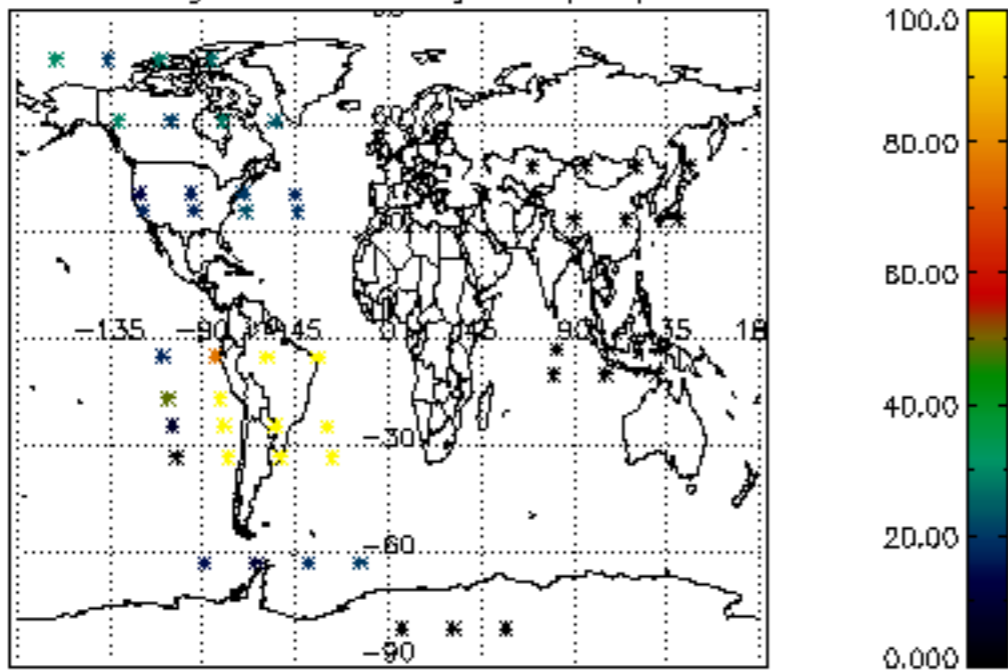
Type	Auxiliary Filename	Used since product	Used since product date
INST_PHYS_CHARACTERISTICS	GOM_INS_AXNIEC20050627_150713_20030716_120000_20100101_000000	1	11-SEP-2007 00:02:34
CALIBRATION_DATABASE	GOM_CAL_AXVIEC20070905_122547_20070904_000000_20100101_000000	1	11-SEP-2007 00:02:34
LEVEL-1B_PROC_CONFIG	GOM_PR1_AXNIEC20050627_151042_20020301_000000_20100101_000000	1	11-SEP-2007 00:02:34
STAR_CATALOGUE	GOM_CAT_AXVIEC20020121_161009_20020101_000000_20200101_000000	1	11-SEP-2007 00:02:34
STELLAR_SPECTRA_DATABANK	GOM_STS_AXNIEC20040308_103538_20020101_160000_20100101_000000	1	11-SEP-2007 00:02:34
ECMWF_FILE	AUX_ECF_AXNECM20070910_070416_20070910_210000_20070911_090000	1	11-SEP-2007 00:02:34
ECMWF_FILE	AUX_ECF_AXNECM20070910_183852_20070911_030000_20070911_150000	26	11-SEP-2007 03:15:32
OPTIONAL_ECMWF_FILE	MISSING	1	11-SEP-2007 00:02:34
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20070910_204252_000057382061_00300_28911_4149.N1	1	11-SEP-2007 00:02:34
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20070910_222349_000057382061_00301_28912_4150.N1	2	11-SEP-2007 00:11:03
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20070911_014543_000041442061_00303_28914_4152.N1	15	11-SEP-2007 01:51:40
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20070911_030006_000057382061_00304_28915_4153.N1	40	11-SEP-2007 04:56:08



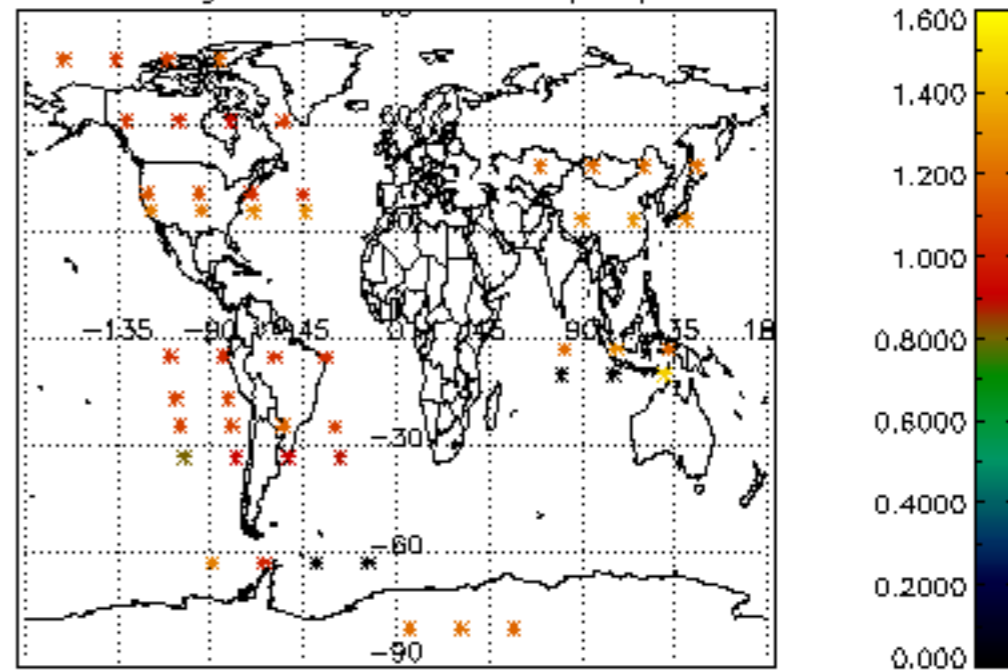




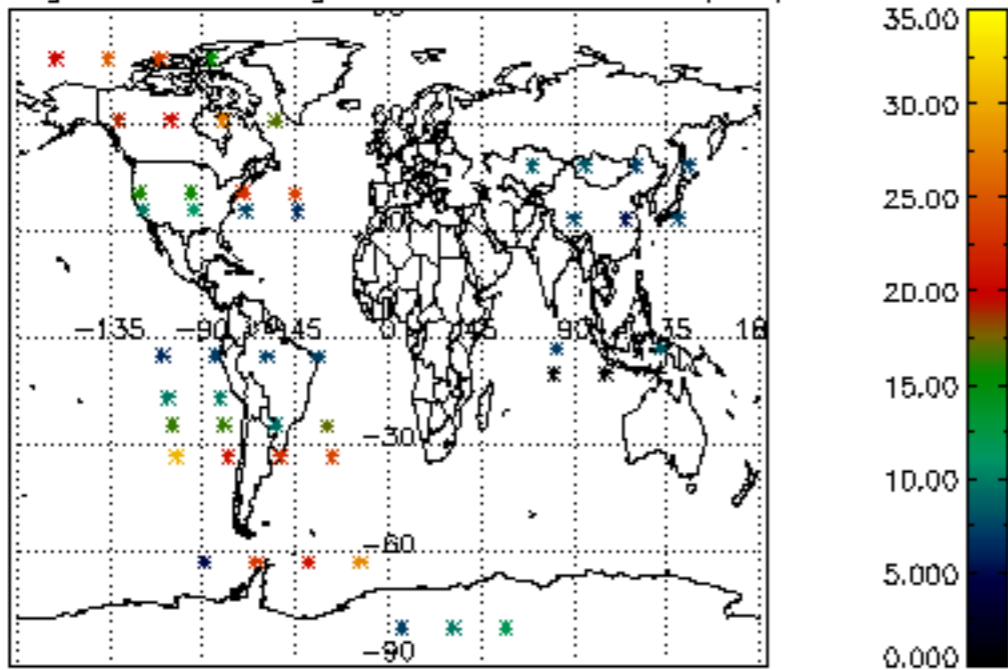
Percentage of cosmic ray hits per profile



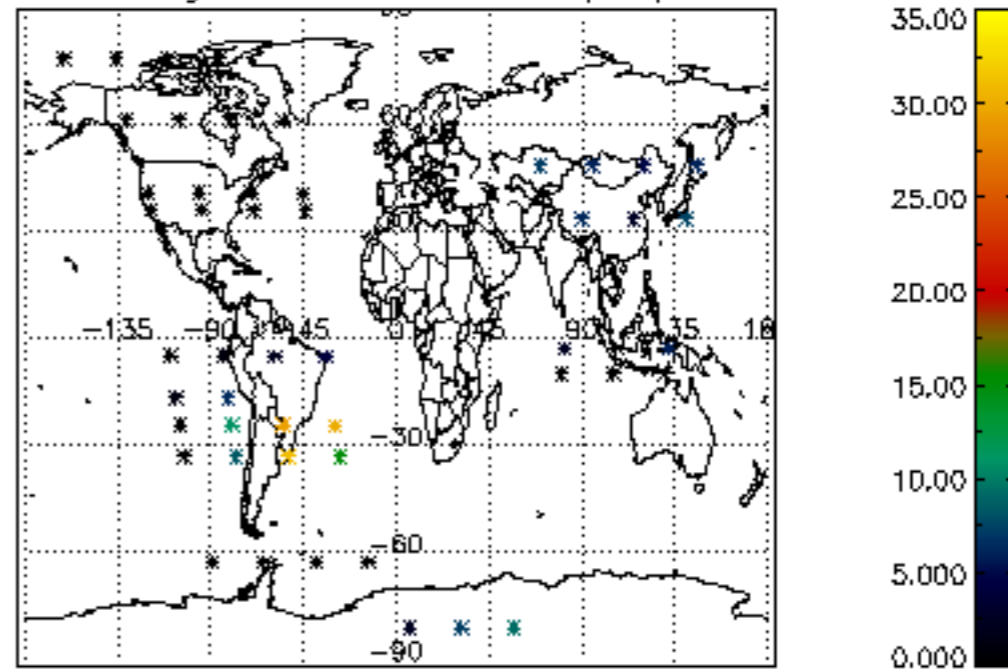
Percentage of datation errors per profile



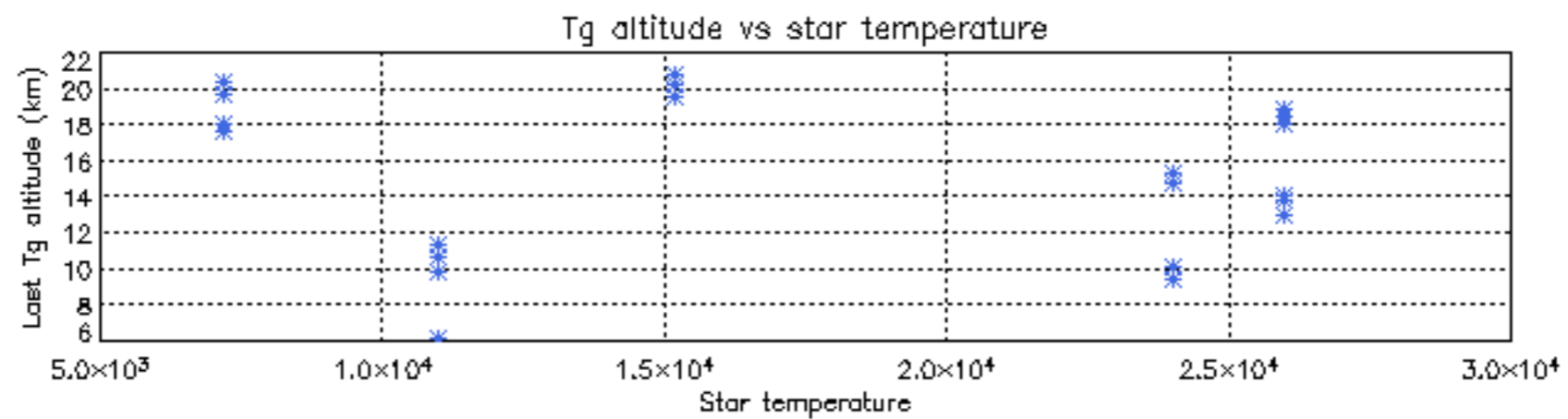
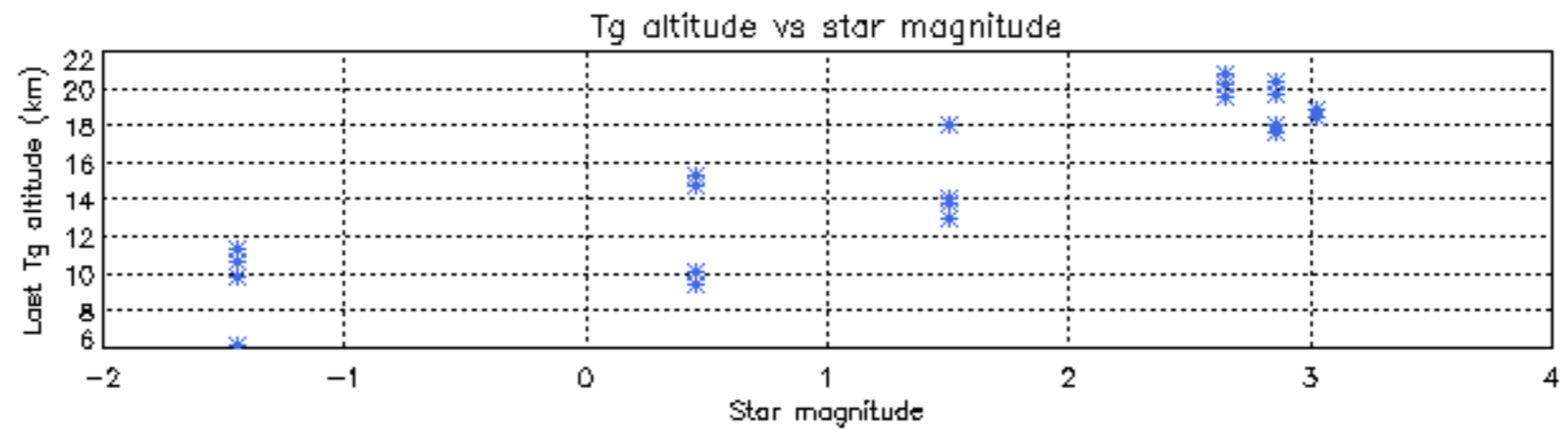
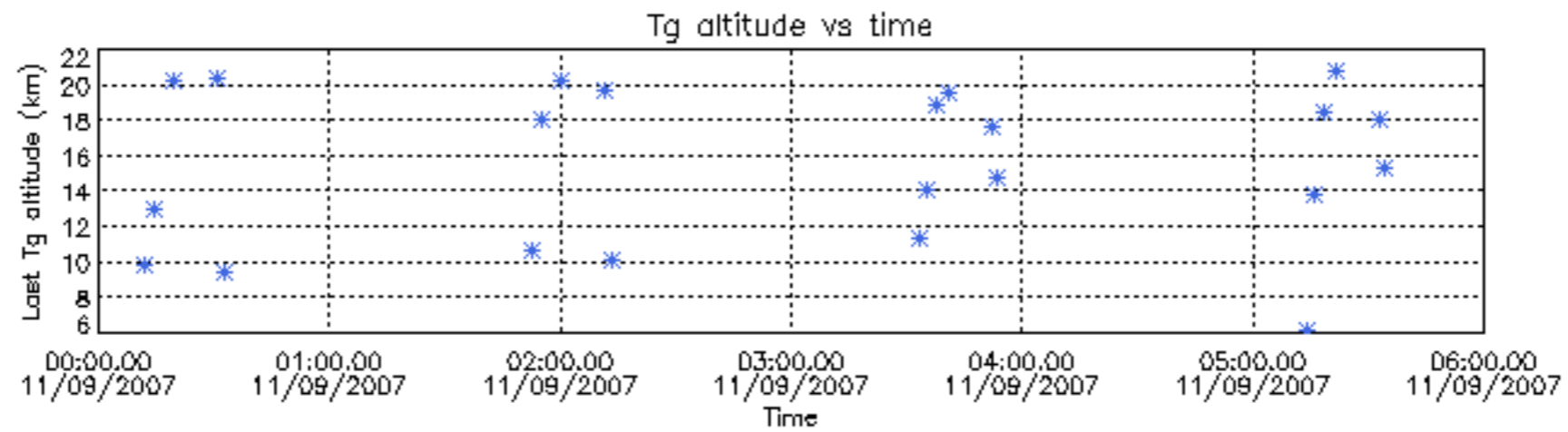
Percentage of star falling outside central band per profile



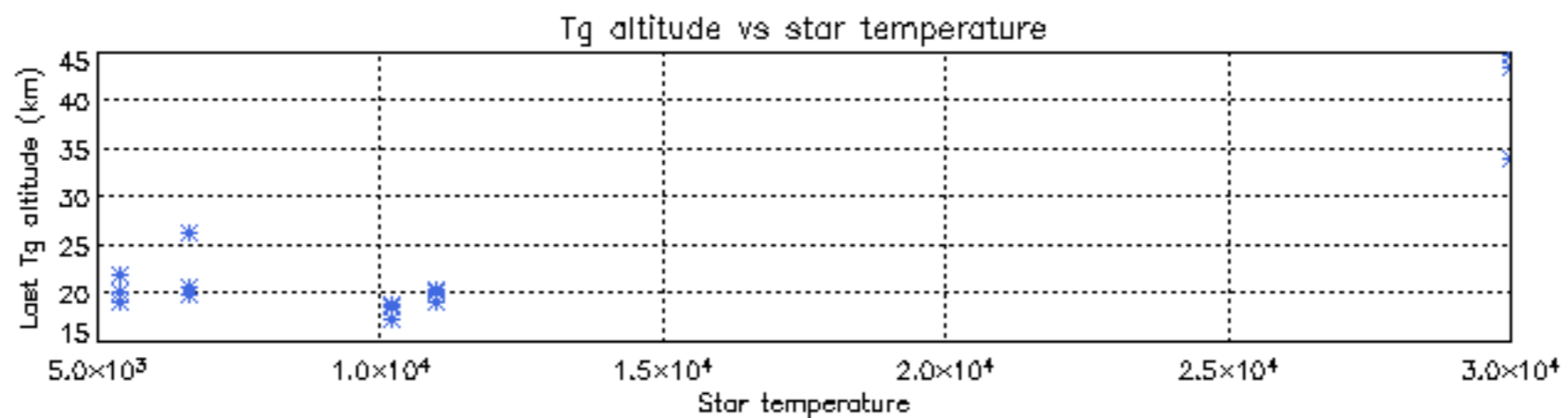
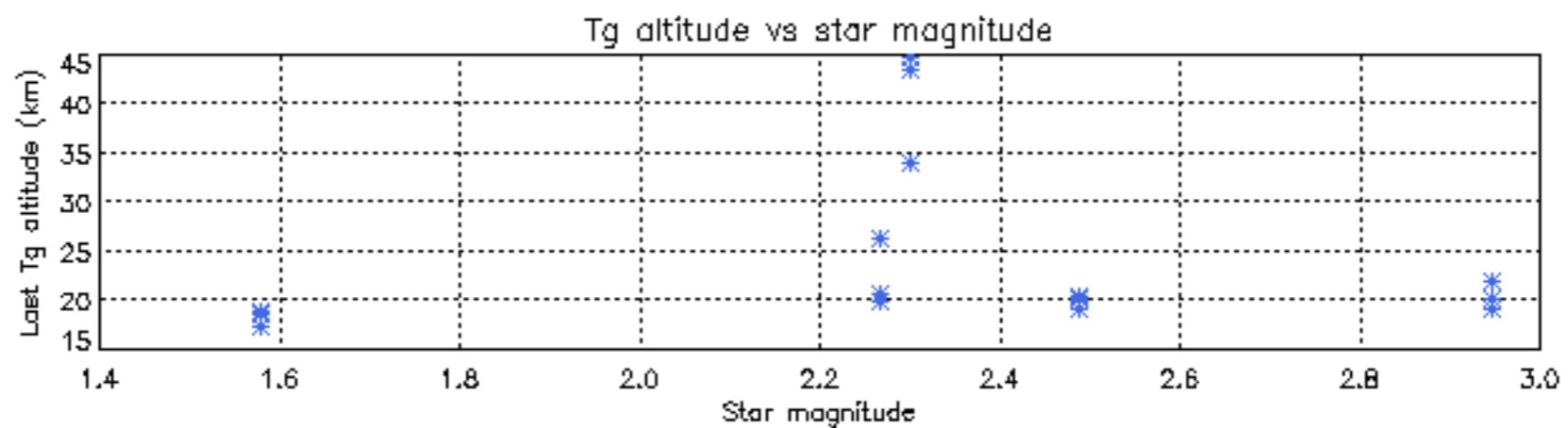
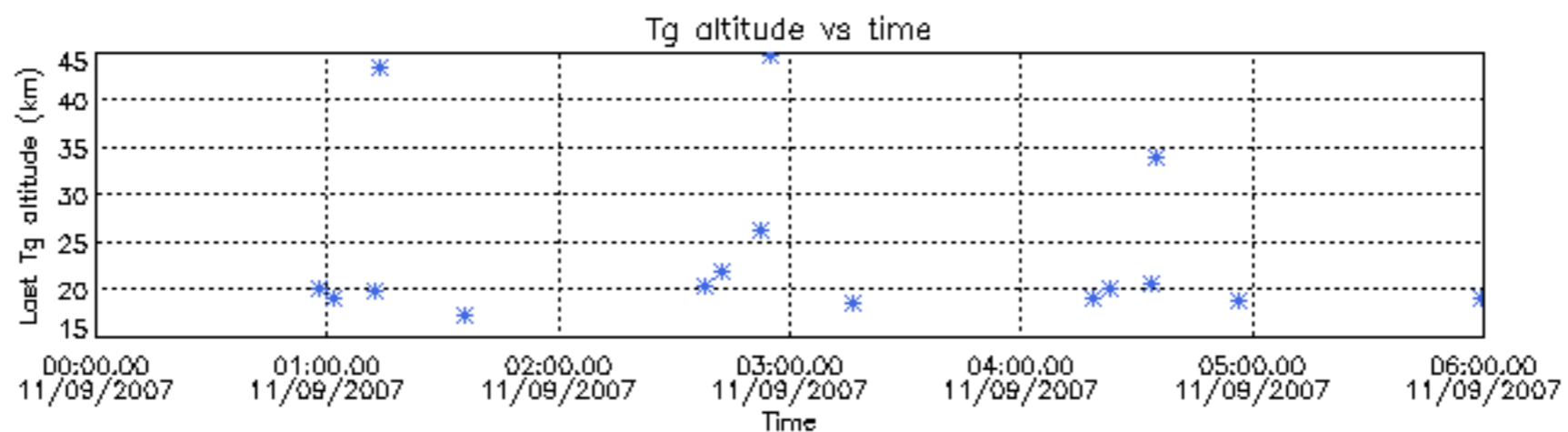
Percentage of saturation errors per profile



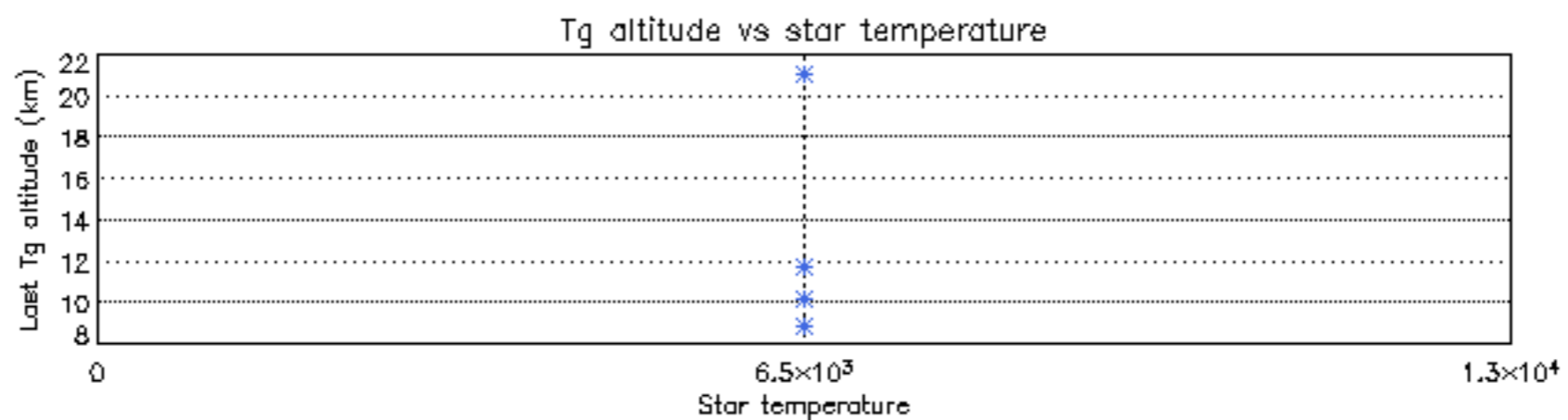
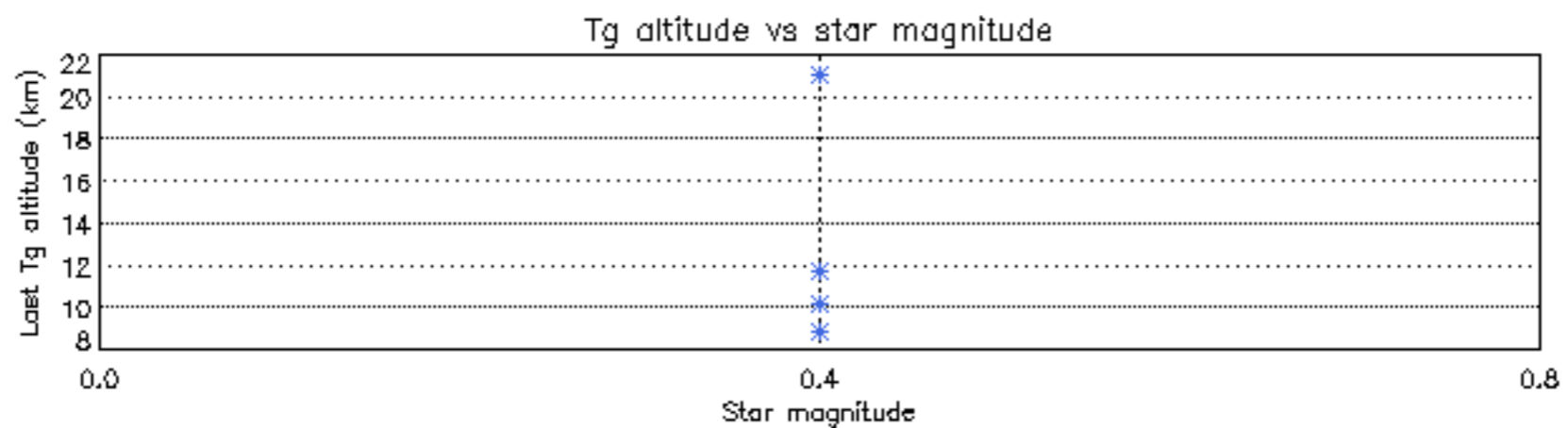
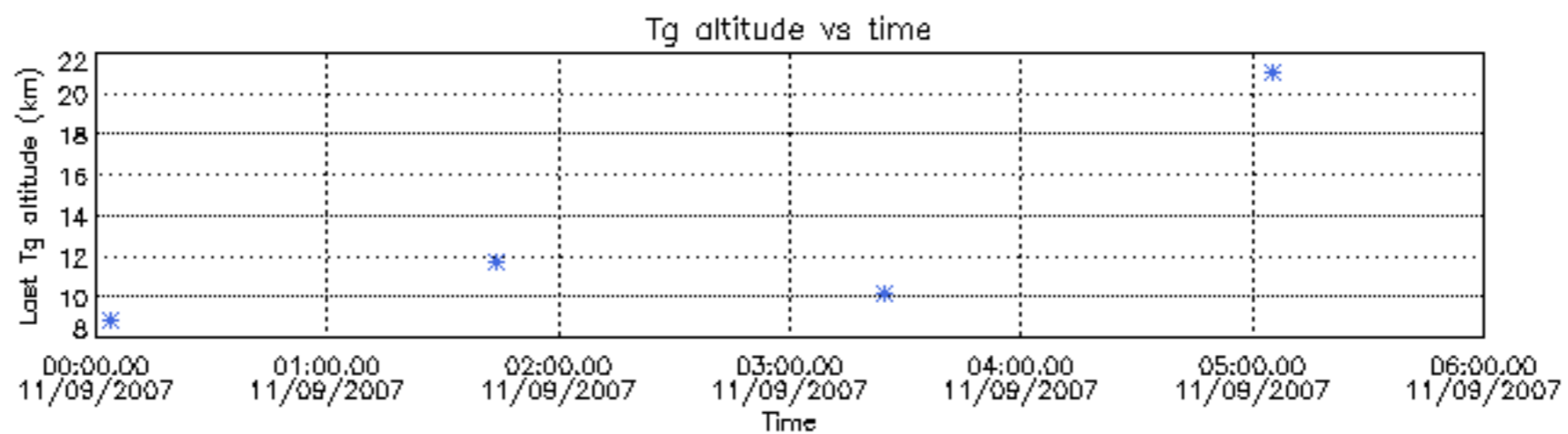
Tangent altitude at which the star is lost

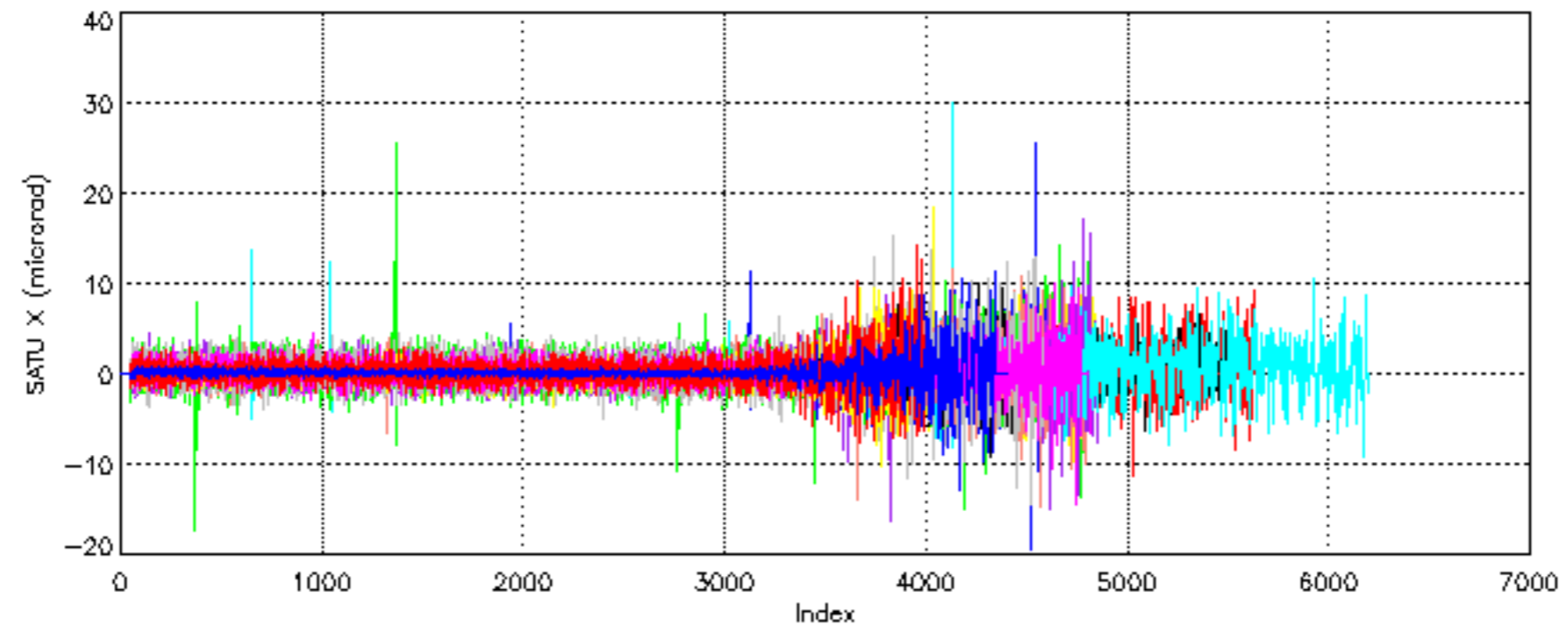


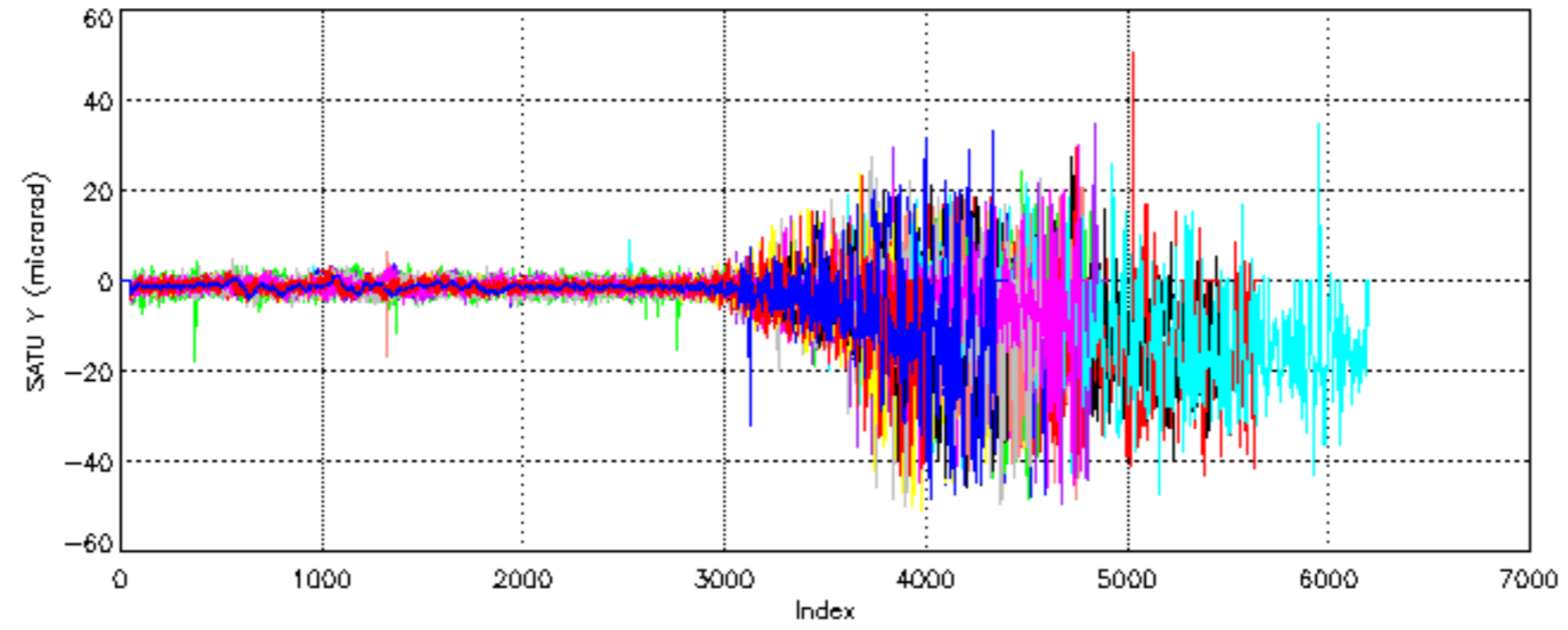
Tangent altitude at which the star is lost

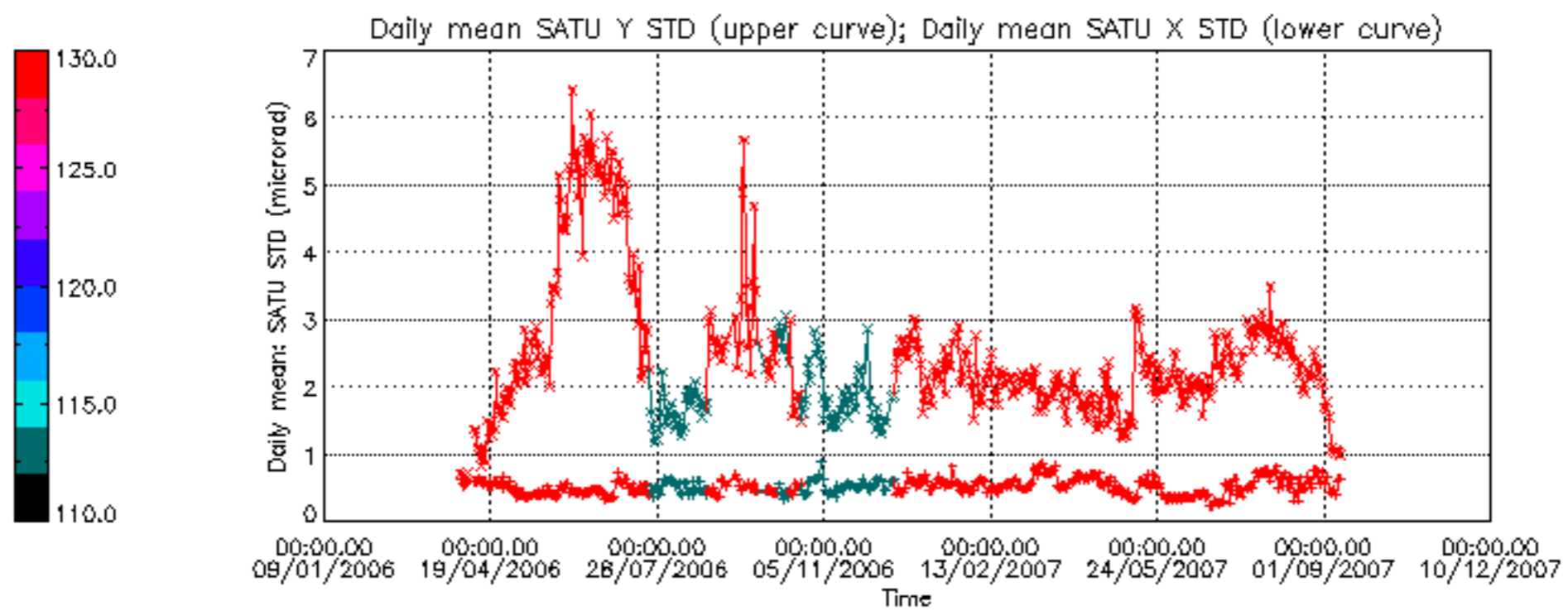


Tangent altitude at which the star is lost









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 2; -499.7; 01-SEP-2007 00:26:28; Dark ; 42.0; 23; 21Eps CMA ; 1.50; 26000;occ; 84; 0;28770
 3; -304.8; 01-SEP-2007 00:29:43; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;28770
 4; 523.8; 01-SEP-2007 00:43:32; Dark ; 40.5; 143; Alp Hyi ; 2.86; 7200;occ; 81; 0;28771
 5; 600.3; 01-SEP-2007 00:44:48; Dark ; 55.5; 9; Alp Eri ; 0.45; 24000;occ; 111; 0;28771
 6; 1048.8; 01-SEP-2007 00:52:17; Dark ; 47.5; 63; Bet Gru ; 2.15; 2800;occ; 95; 0;28771
 7; 1327.7; 01-SEP-2007 00:56:56; Dark ; 49.5; 18; 24Alp PsA ; 1.17; 9700;occ; 99; 0;28771
 8; 1618.7; 01-SEP-2007 01:01:47; Dark ; 45.0; 142; 49Del Cap ; 2.85; 8900;occ; 90; 0;28771
 9; 1807.0; 01-SEP-2007 01:04:55; Bright; 38.0; 154; 22Bet Aqr ; 2.90; 5700;occ; 76; 0;28771
 10; 1895.7; 01-SEP-2007 01:06:24; Bright; 40.0; 162; 34Alp Aqr ; 2.94; 5350;occ; 80; 0;28771
 11; 2075.7; 01-SEP-2007 01:09:24; Bright; 39.0; 61; 8Eps Peg ; 2.10; 3900;occ; 78; 0;28771
 12; 2677.9; 01-SEP-2007 01:19:26; Bright; 38.0; 19; 50Alp Cyg ; 1.25; 10500;occ; 76; 0;28771
 13; 2976.4; 01-SEP-2007 01:24:25; Bright; 37.0; 89; 5Alp Cep ; 2.45; 8000;occ; 74; 0;28771
 14; 3434.7; 01-SEP-2007 01:32:03; Bright; 34.0; 49; 1Alp UMi ; 1.99; 6300;occ; 68; 0;28771
 15; 4451.6; 01-SEP-2007 01:49:00; Bright; 37.5; 24; 66Alp Gem ; 1.58; 10200;occ; 75; 0;28771
 16; 4610.6; 01-SEP-2007 01:51:39; Dark ; 44.5; 170; 27Eps Gem ; 3.00; 9700;occ; 89; 0;28771
 17; 4790.0; 01-SEP-2007 01:54:38; Dark ; 40.0; 44; 24Gam Gem ; 1.93; 11000;occ; 80; 0;28771
 18; 4912.9; 01-SEP-2007 01:56:41; Dark ; 45.5; 8; 10Alp CMi ; 0.40; 6500;occ; 91; 0;28771

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 2; -499.2; 01-SEP-2007 02:07:05; Dark ; 42.5; 23; 21Eps CMA ; 1.50; 26000;occ; 85; 0;28771
 3; -304.1; 01-SEP-2007 02:10:20; Dark ; 59.0; 0; ; 0.00; 0;occ; 118; 0;28771
 4; 524.4; 01-SEP-2007 02:24:08; Dark ; 42.0; 143; Alp Hyi ; 2.86; 7200;occ; 84; 0;28772
 5; 601.0; 01-SEP-2007 02:25:25; Dark ; 46.5; 9; Alp Eri ; 0.45; 24000;occ; 93; 0;28772
 6; 1049.1; 01-SEP-2007 02:32:53; Dark ; 44.5; 63; Bet Gru ; 2.15; 2800;occ; 89; 0;28772
 7; 1328.1; 01-SEP-2007 02:37:32; Dark ; 49.5; 18; 24Alp PsA ; 1.17; 9700;occ; 99; 0;28772
 8; 1618.9; 01-SEP-2007 02:42:23; Dark ; 41.5; 142; 49Del Cap ; 2.85; 8900;occ; 83; 0;28772
 9; 1807.2; 01-SEP-2007 02:45:31; Bright; 38.5; 154; 22Bet Aqr ; 2.90; 5700;occ; 77; 0;28772
 10; 1895.8; 01-SEP-2007 02:47:00; Bright; 40.0; 162; 34Alp Aqr ; 2.94; 5350;occ; 80; 0;28772
 11; 2075.7; 01-SEP-2007 02:50:00; Bright; 38.5; 61; 8Eps Peg ; 2.10; 3900;occ; 77; 0;28772
 12; 2678.0; 01-SEP-2007 03:00:02; Bright; 34.0; 19; 50Alp Cyg ; 1.25; 10500;occ; 68; 0;28772
 13; 2976.3; 01-SEP-2007 03:05:00; Bright; 33.0; 89; 5Alp Cep ; 2.45; 8000;occ; 66; 0;28772
 14; 3434.8; 01-SEP-2007 03:12:39; Bright; 31.5; 49; 1Alp UMi ; 1.99; 6300;occ; 63; 0;28772

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 3; -1245.6; 01-SEP-2007 03:35:14; Dark ; 28.0; 44; 24Gam Gem ; 1.93; 11000;occ; 56; 0;28772
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 5; -664.6; 01-SEP-2007 03:44:55; Dark ; 48.5; 1; 9Alp CMA ; -1.44; 11000;occ; 97; 0;28772
 6; -498.7; 01-SEP-2007 03:47:41; Dark ; 44.0; 23; 21Eps CMA ; 1.50; 26000;occ; 88; 0;28772
 7; -398.5; 01-SEP-2007 03:49:22; Dark ; 41.5; 177; 1Zet CMA ; 3.02; 26000;occ; 83; 0;28772
 8; -303.5; 01-SEP-2007 03:50:57; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;28772
 9; 525.1; 01-SEP-2007 04:04:45; Dark ; 39.0; 143; Alp Hyi ; 2.86; 7200;occ; 78; 0;28773
 10; 601.7; 01-SEP-2007 04:06:02; Dark ; 53.5; 9; Alp Eri ; 0.45; 24000;occ; 107; 0;28773
 11; 1049.6; 01-SEP-2007 04:13:30; Dark ; 53.0; 63; Bet Gru ; 2.15; 2800;occ; 106; 0;28773
 12; 1328.5; 01-SEP-2007 04:18:09; Dark ; 48.0; 18; 24Alp PsA ; 1.17; 9700;occ; 96; 0;28773
 13; 1619.1; 01-SEP-2007 04:22:59; Dark ; 53.0; 142; 49Del Cap ; 2.85; 8900;occ; 106; 0;28773
 14; 1807.3; 01-SEP-2007 04:26:07; Bright; 38.5; 154; 22Bet Aqr ; 2.90; 5700;occ; 77; 0;28773
 15; 1895.9; 01-SEP-2007 04:27:36; Bright; 39.5; 162; 34Alp Aqr ; 2.94; 5350;occ; 79; 0;28773
 16; 2075.9; 01-SEP-2007 04:30:36; Bright; 38.5; 61; 8Eps Peg ; 2.10; 3900;occ; 77; 0;28773
 17; 2678.2; 01-SEP-2007 04:40:38; Bright; 37.5; 19; 50Alp Cyg ; 1.25; 10500;occ; 75; 0;28773
 18; 2976.3; 01-SEP-2007 04:45:36; Bright; 36.0; 89; 5Alp Cep ; 2.45; 8000;occ; 72; 0;28773
 19; 3434.8; 01-SEP-2007 04:53:15; Bright; 34.0; 49; 1Alp UMi ; 1.99; 6300;occ; 68; 0;28773

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1; -1584.0; 01-SEP-2007 05:10:12; Bright; 36.0; 24; 66Alp Gem ; 1.58; 10200;occ; 72; 0;28773
 2; -1424.8; 01-SEP-2007 05:12:51; Dark ; 48.0; 170; 27Eps Gem ; 3.00; 9700;occ; 96; 0;28773
 3; -1245.1; 01-SEP-2007 05:15:51; Dark ; 28.0; 44; 24Gam Gem ; 1.93; 11000;occ; 56; 0;28773
 4; -1122.4; 01-SEP-2007 05:17:54; Dark ; 42.5; 8; 10Alp CMi ; 0.40; 6500;occ; 85; 0;28773
 5; -664.1; 01-SEP-2007 05:25:32; Dark ; 50.0; 1; 9Alp CMA ; -1.44; 11000;occ; 100; 0;28773
 6; -498.1; 01-SEP-2007 05:28:18; Dark ; 46.5; 23; 21Eps CMA ; 1.50; 26000;occ; 93; 0;28773
 7; -397.9; 01-SEP-2007 05:29:58; Dark ; 40.5; 177; 1Zet CMA ; 3.02; 26000;occ; 81; 0;28773
 8; -302.8; 01-SEP-2007 05:31:33; Dark ; 59.0; 0; ; 0.00; 0;occ; 118; 0;28773
 9; 525.7; 01-SEP-2007 05:45:22; Dark ; 39.5; 143; Alp Hyi ; 2.86; 7200;occ; 79; 0;28774
 10; 602.3; 01-SEP-2007 05:46:38; Dark ; 43.5; 9; Alp Eri ; 0.45; 24000;occ; 87; 0;28774
 11; 1050.0; 01-SEP-2007 05:54:06; Dark ; 50.0; 63; Bet Gru ; 2.15; 2800;occ; 100; 0;28774
 12; 1328.8; 01-SEP-2007 05:58:45; Dark ; 48.0; 18; 24Alp PsA ; 1.17; 9700;occ; 96; 0;28774
 13; 1619.2; 01-SEP-2007 06:03:35; Dark ; 43.5; 142; 49Del Cap ; 2.85; 8900;occ; 87; 0;28774

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14; 1807.3; 01-SEP-2007 06:06:43; Bright; 37.5; 154; 22Bet Aqr ; 2.90; 5700;occ; 75; 0;28774
15; 1896.0; 01-SEP-2007 06:08:12; Bright; 39.5; 162; 34Alp Aqr ; 2.94; 5350;occ; 79; 0;28774
16; 2075.8; 01-SEP-2007 06:11:12; Bright; 38.5; 61; 8Eps Peg ; 2.10; 3900;occ; 77; 0;28774
17; 2678.2; 01-SEP-2007 06:21:14; Bright; 37.0; 19; 50Alp Cyg ; 1.25; 10500;occ; 74; 0;28774
18; 2976.2; 01-SEP-2007 06:26:12; Bright; 37.0; 89; 5Alp Cep ; 2.45; 8000;occ; 74; 0;28774
19; 3434.8; 01-SEP-2007 06:33:51; Bright; 32.0; 49; 1Alp UMi ; 1.99; 6300;occ; 64; 0;28774
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 3; 1808.1; 01-SEP-2007 21:12:08; Bright; 38.0; 154; 22Bet Aqr ; 2.90; 5700;occ; 76; 0;28783
 4; 1895.6; 01-SEP-2007 21:13:35; Bright; 40.0; 162; 34Alp Aqr ; 2.94; 5350;occ; 80; 0;28783
 5; 2075.4; 01-SEP-2007 21:16:35; Bright; 38.0; 61; 8Eps Peg ; 2.10; 3900;occ; 76; 0;28783
 6; 2975.2; 01-SEP-2007 21:31:35; Bright; 37.0; 89; 5Alp Cep ; 2.45; 8000;occ; 74; 0;28783
 7; 3434.6; 01-SEP-2007 21:39:14; Bright; 36.0; 49; 1Alp UMi ; 1.99; 6300;occ; 72; 0;28783
 8; 4453.3; 01-SEP-2007 21:56:13; Bright; 37.5; 24; 66Alp Gem ; 1.58; 10200;occ; 75; 0;28783
 9; 4613.5; 01-SEP-2007 21:58:53; Dark ; 52.0; 170; 27Eps Gem ; 3.00; 9700;occ; 104; 0;28783
10; 4916.7; 01-SEP-2007 22:03:56; Dark ; 52.0; 8; 10Alp CMi ; 0.40; 6500;occ; 104; 0;28783
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 2; -493.0; 01-SEP-2007 22:14:22; Dark ; 45.0; 23; 21Eps CMA ; 1.50; 26000;occ; 90; 0;28783
 3; -296.2; 01-SEP-2007 22:17:39; Dark ; 59.0; 0; ; 0.00; 0;occ; 118; 0;28783
 4; 531.1; 01-SEP-2007 22:31:26; Dark ; 39.5; 143; Alp Hyi ; 2.86; 7200;occ; 79; 0;28784
 5; 608.4; 01-SEP-2007 22:32:44; Dark ; 42.0; 9; Alp Eri ; 0.45; 24000;occ; 84; 0;28784
 6; 1053.0; 01-SEP-2007 22:40:08; Dark ; 49.0; 63; Bet Gru ; 2.15; 2800;occ; 98; 0;28784
 7; 1331.4; 01-SEP-2007 22:44:47; Dark ; 46.5; 18; 24Alp PsA ; 1.17; 9700;occ; 93; 0;28784
 8; 1620.4; 01-SEP-2007 22:49:36; Dark ; 53.0; 142; 49Del Cap ; 2.85; 8900;occ; 106; 0;28784
 9; 1808.2; 01-SEP-2007 22:52:43; Bright; 37.5; 154; 22Bet Aqr ; 2.90; 5700;occ; 75; 0;28784
10; 1895.6; 01-SEP-2007 22:54:11; Bright; 39.5; 162; 34Alp Aqr ; 2.94; 5350;occ; 79; 0;28784
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12; 2975.2; 01-SEP-2007 23:12:10; Bright; 36.5; 89; 5Alp Cep ; 2.45; 8000;occ; 73; 0;28784
13; 3434.5; 01-SEP-2007 23:19:50; Bright; 36.0; 49; 1Alp UMi ; 1.99; 6300;occ; 72; 0;28784
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16; 4916.9; 01-SEP-2007 23:44:32; Dark ; 53.5; 8; 10Alp CMi ; 0.40; 6500;occ; 107; 0;28784
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 7; 609.0; 02-SEP-2007 00:13:20; Dark ; 54.0; 9; Alp Eri ; 0.45; 24000;occ; 108; 0;28785
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9; 1620.7; 02-SEP-2007 02:10:48; Dark ; 42.5; 142; 49Del Cap ; 2.85; 8900;occ; 85; 0;28786
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13; 2974.9; 02-SEP-2007 02:33:22; Bright; 33.5; 89; 5Alp Cep ; 2.45; 8000;occ; 67; 0;28786
14; 3434.5; 02-SEP-2007 02:41:02; Bright; 34.0; 49; 1Alp UMi ; 1.99; 6300;occ; 68; 0;28786

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3; -1118.2; 02-SEP-2007 03:05:45; Dark ; 41.5; 8; 10Alp CMi ; 0.40; 6500;occ; 83; 0;28786
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6; -388.7; 02-SEP-2007 03:17:54; Dark ; 42.0; 177; 1Zet CMA ; 3.02; 26000;occ; 84; 0;28786
7; -294.2; 02-SEP-2007 03:19:29; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;28786
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9; 532.7; 02-SEP-2007 03:33:16; Dark ; 40.5; 143; Alp Hyi ; 2.86; 7200;occ; 81; 0;28787
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11; 1054.0; 02-SEP-2007 03:41:57; Dark ; 50.0; 63; Bet Gru ; 2.15; 2800;occ; 100; 0;28787
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14; 1808.6; 02-SEP-2007 03:54:31; Bright; 37.5; 154; 22Bet Aqr ; 2.90; 5700;occ; 75; 0;28787
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17; 2974.9; 02-SEP-2007 04:13:58; Bright; 34.5; 89; 5Alp Cep ; 2.45; 8000;occ; 69; 0;28787
18; 3434.6; 02-SEP-2007 04:21:38; Bright; 33.0; 49; 1Alp UMi ; 1.99; 6300;occ; 66; 0;28787

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15; 1895.6; 02-SEP-2007 05:36:34; Bright; 39.0; 162; 34Alp Aqr ; 2.94; 5350;occ; 78; 0;28788
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17; 2974.9; 02-SEP-2007 05:54:34; Bright; 36.0; 89; 5Alp Cep ; 2.45; 8000;occ; 72; 0;28788
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6; 2074.9; 02-SEP-2007 20:44:57; Bright; 38.0; 61; 8Eps Peg ; 2.10; 3900;occ; 76; 0;28797
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9; 4455.3; 02-SEP-2007 21:24:38; Bright; 39.5; 24; 66Alp Gem ; 1.58; 10200;occ; 79; 0;28797
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6; -82.1; 02-SEP-2007 21:49:36; Dark ; 54.0; 2; Alp Car ; -0.74; 7000;occ; 108; 0;28797
7; 538.7; 02-SEP-2007 21:59:57; Dark ; 40.0; 143; Alp Hyi ; 2.86; 7200;occ; 80; 0;28798
8; 616.9; 02-SEP-2007 22:01:15; Dark ; 42.5; 9; Alp Eri ; 0.45; 24000;occ; 85; 0;28798

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 10; 1335.3; 02-SEP-2007 22:13:13; Dark ; 46.5; 18; 24Alp PsA ; 1.17; 9700;occ; 93; 0;28798
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 12; 1809.6; 02-SEP-2007 22:21:08; Bright; 37.5; 154; 22Bet Aqr ; 2.90; 5700;occ; 75; 0;28798
 13; 1895.4; 02-SEP-2007 22:22:34; Bright; 39.0; 162; 34Alp Aqr ; 2.94; 5350;occ; 78; 0;28798
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 15; 2974.0; 02-SEP-2007 22:40:32; Bright; 36.0; 89; 5Alp Cep ; 2.45; 8000;occ; 72; 0;28798
 16; 3434.4; 02-SEP-2007 22:48:13; Bright; 37.0; 49; 1Alp UMi ; 1.99; 6300;occ; 74; 0;28798
 17; 4455.3; 02-SEP-2007 23:05:13; Bright; 35.5; 24; 66Alp Gem ; 1.58; 10200;occ; 71; 0;28798
 18; 4921.5; 02-SEP-2007 23:13:00; Dark ; 55.0; 8; 10Alp CMi ; 0.40; 6500;occ; 110; 0;28798
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 3; -286.1; 02-SEP-2007 23:26:48; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;28798
 4; -81.6; 02-SEP-2007 23:30:12; Dark ; 54.0; 2; Alp Car ; -0.74; 7000;occ; 108; 0;28798
 5; 539.3; 02-SEP-2007 23:40:33; Dark ; 39.5; 143; Alp Hyi ; 2.86; 7200;occ; 79; 0;28799
 6; 617.4; 02-SEP-2007 23:41:51; Dark ; 45.0; 9; Alp Eri ; 0.45; 24000;occ; 90; 0;28799
 7; 1057.6; 02-SEP-2007 23:49:12; Dark ; 46.0; 63; Bet Gru ; 2.15; 2800;occ; 92; 0;28799
 8; 1335.4; 02-SEP-2007 23:53:49; Dark ; 44.0; 18; 24Alp PsA ; 1.17; 9700;occ; 88; 0;28799
 9; 1622.4; 02-SEP-2007 23:58:36; Dark ; 45.0; 142; 49Del Cap ; 2.85; 8900;occ; 90; 0;28799
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 12; 2074.8; 03-SEP-2007 00:06:09; Bright; 38.0; 61; 8Eps Peg ; 2.10; 3900;occ; 76; 0;28799
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 2; 1623.8; 03-SEP-2007 16:44:37; Dark ; 47.0; 142; 49Del Cap ; 2.85; 8900;occ; 94; 0;28809
 3; 1810.9; 03-SEP-2007 16:47:44; Bright; 37.0; 154; 22Bet Aqr ; 2.90; 5700;occ; 74; 0;28809
 4; 1895.4; 03-SEP-2007 16:49:09; Bright; 39.5; 162; 34Alp Aqr ; 2.94; 5350;occ; 79; 0;28809
 5; 2074.7; 03-SEP-2007 16:52:08; Bright; 37.5; 61; 8Eps Peg ; 2.10; 3900;occ; 75; 0;28809
 6; 2973.2; 03-SEP-2007 17:07:06; Bright; 36.0; 89; 5Alp Cep ; 2.45; 8000;occ; 72; 0;28809
 7; 3434.2; 03-SEP-2007 17:14:47; Bright; 36.5; 49; 1Alp UMi ; 1.99; 6300;occ; 73; 0;28809
 8; 4457.1; 03-SEP-2007 17:31:50; Bright; 37.0; 24; 66Alp Gem ; 1.58; 10200;occ; 74; 0;28809
 9; 4925.4; 03-SEP-2007 17:39:39; Dark ; 46.0; 8; 10Alp CMi ; 0.40; 6500;occ; 92; 0;28809
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 11; 5557.2; 03-SEP-2007 17:50:10; Dark ; 44.0; 23; 21Eps CMa ; 1.50; 26000;occ; 88; 0;28809
 12; 5647.8; 03-SEP-2007 17:51:41; Dark ; 45.5; 117; Pi Pup ; 2.71; 3800;occ; 91; 0;28809
 13; 5757.5; 03-SEP-2007 17:53:31; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;28809
 14; 5842.6; 03-SEP-2007 17:54:56; Dark ; 45.5; 108; Alp Col ; 2.65; 15200;occ; 91; 0;28809
 15; 5959.6; 03-SEP-2007 17:56:53; Dark ; 53.5; 2; Alp Car ; -0.74; 7000;occ; 107; 0;28809
 16; 6581.5; 03-SEP-2007 18:07:15; Dark ; 40.0; 143; Alp Hyi ; 2.86; 7200;occ; 80; 0;28809
 17; 6660.1; 03-SEP-2007 18:08:33; Dark ; 45.0; 9; Alp Eri ; 0.45; 24000;occ; 90; 0;28809
 18; 7096.9; 03-SEP-2007 18:15:50; Dark ; 36.5; 63; Bet Gru ; 2.15; 2800;occ; 73; 0;28809

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 3; 1624.0; 03-SEP-2007 18:25:13; Dark ; 50.5; 142; 49Del Cap ; 2.85; 8900;occ; 101; 0;28810
 4; 1810.8; 03-SEP-2007 18:28:20; Bright; 37.0; 154; 22Bet Aqr ; 2.90; 5700;occ; 74; 0;28810
 5; 1895.4; 03-SEP-2007 18:29:45; Bright; 39.0; 162; 34Alp Aqr ; 2.94; 5350;occ; 78; 0;28810
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 8; 3434.1; 03-SEP-2007 18:55:23; Bright; 37.0; 49; 1Alp UMi ; 1.99; 6300;occ; 74; 0;28810
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 11; 5395.6; 03-SEP-2007 19:28:05; Dark ; 57.5; 1; 9Alp CMa ; -1.44; 11000;occ; 115; 0;28810
 12; 5557.5; 03-SEP-2007 19:30:47; Dark ; 40.0; 23; 21Eps CMa ; 1.50; 26000;occ; 80; 0;28810
 13; 5648.2; 03-SEP-2007 19:32:17; Dark ; 44.5; 117; Pi Pup ; 2.71; 3800;occ; 89; 0;28810
 14; 5758.2; 03-SEP-2007 19:34:07; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;28810
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 16; 5960.0; 03-SEP-2007 19:37:29; Dark ; 41.0; 2; Alp Car ; -0.74; 7000;occ; 82; 0;28810
 17; 6581.7; 03-SEP-2007 19:47:51; Dark ; 40.5; 143; Alp Hyi ; 2.86; 7200;occ; 81; 0;28810
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 6; -74.6; 04-SEP-2007 00:39:18; Dark ; 54.0; 2; Alp Car ; -0.74; 7000;occ; 108; 0;28813
 7; 547.4; 04-SEP-2007 00:49:40; Dark ; 41.0; 143; Alp Hyi ; 2.86; 7200;occ; 82; 0;28814
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 9; 1061.9; 04-SEP-2007 00:58:15; Dark ; 49.5; 63; Bet Gru ; 2.15; 2800;occ; 99; 0;28814
 10; 1339.5; 04-SEP-2007 01:02:52; Dark ; 44.5; 18; 24Alp PsA ; 1.17; 9700;occ; 89; 0;28814

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16; 3434.0; 04-SEP-2007 01:37:47; Bright; 33.5; 49; 1Alp UMi ; 1.99; 6300;occ; 67; 0;28814
17; 4457.6; 04-SEP-2007 01:54:50; Bright; 38.0; 24; 66Alp Gem ; 1.58; 10200;occ; 76; 0;28814
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 2; 989.3; 04-SEP-2007 04:18:14; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;28816
 3; 3164.7; 04-SEP-2007 04:54:29; Bright; 88.5; 53; 43Bet And ; 2.05; 3300;occ; 177; 0;28816
 4; 3535.1; 04-SEP-2007 05:00:40; Bright; 85.5; 73; 57Gam1And ; 2.26; 13100;occ; 171; 0;28816
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 3; -1404.7; 04-SEP-2007 05:18:56; Dark ; 254.5; 150; 44Zet Per ; 2.89; 28000;occ; 509; 0;28816
 4; -679.3; 04-SEP-2007 05:31:01; Dark ; 148.5; 13; 87Alp Tau ; 0.87; 3800;occ; 297; 0;28816
 5; 459.3; 04-SEP-2007 05:50:00; Dark ; 225.0; 165; 34Gam Eri ; 2.95; 3200;occ; 450; 0;28817
 6; 991.7; 04-SEP-2007 05:58:52; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;28817
 7; 3162.6; 04-SEP-2007 06:35:03; Bright; 76.0; 53; 43Bet And ; 2.05; 3300;occ; 152; 0;28817
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 3; 3516.5; 04-SEP-2007 21:46:20; Bright; 78.5; 73; 57Gam1And ; 2.26; 13100;occ; 157; 0;28826
 4; 3960.2; 04-SEP-2007 21:53:44; Bright; 100.5; 79; 26Bet Per ; 2.31; 13100;occ; 201; 0;28826
 5; 4187.8; 04-SEP-2007 21:57:32; Bright; 84.0; 149; 45Eps Per ; 2.89; 30000;occ; 168; 0;28826
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 3; 1015.9; 04-SEP-2007 22:45:16; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;28827
 4; 3142.0; 04-SEP-2007 23:20:42; Bright; 85.5; 53; 43Bet And ; 2.05; 3300;occ; 171; 0;28827
 5; 3514.7; 04-SEP-2007 23:26:55; Bright; 84.0; 73; 57Gam1And ; 2.26; 13100;occ; 168; 0;28827
 6; 3958.7; 04-SEP-2007 23:34:19; Bright; 101.0; 79; 26Bet Per ; 2.31; 13100;occ; 202; 0;28827
 7; 4187.0; 04-SEP-2007 23:38:07; Bright; 86.0; 149; 45Eps Per ; 2.89; 30000;occ; 172; 0;28827
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 3; 1018.3; 05-SEP-2007 00:25:54; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;28828
 4; 3139.9; 05-SEP-2007 01:01:16; Bright; 75.0; 53; 43Bet And ; 2.05; 3300;occ; 150; 0;28828
 5; 3512.9; 05-SEP-2007 01:07:29; Bright; 86.5; 73; 57Gam1And ; 2.26; 13100;occ; 173; 0;28828
 6; 3957.3; 05-SEP-2007 01:14:53; Bright; 104.5; 79; 26Bet Per ; 2.31; 13100;occ; 209; 0;28828
 7; 4186.4; 05-SEP-2007 01:18:42; Bright; 85.5; 149; 45Eps Per ; 2.89; 30000;occ; 171; 0;28828
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 3; -1403.8; 04-SEP-2007 06:59:33; Dark ; 255.0; 150; 44Zet Per ; 2.89; 28000;occ; 510; 0;28817
 4; -674.4; 04-SEP-2007 07:11:42; Dark ; 178.5; 13; 87Alp Tau ; 0.87; 3800;occ; 357; 0;28817
 5; 464.0; 04-SEP-2007 07:30:41; Dark ; 225.0; 165; 34Gam Eri ; 2.95; 3200;occ; 450; 0;28818
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 3; -2280.4; 04-SEP-2007 08:25:32; Bright; 169.0; 173; 4Bet Tri ; 3.00; 8900;occ; 338; 0;28818
 4; -1842.6; 04-SEP-2007 08:32:50; Bright; 85.0; 149; 45Eps Per ; 2.89; 30000;occ; 170; 0;28818
 5; -1402.9; 04-SEP-2007 08:40:09; Dark ; 255.0; 150; 44Zet Per ; 2.89; 28000;occ; 510; 0;28818
 6; -669.3; 04-SEP-2007 08:52:23; Dark ; 226.5; 13; 87Alp Tau ; 0.87; 3800;occ; 453; 0;28818

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3;-2296.7; 04-SEP-2007 16:48:15; Bright; 175.0; 173; 4Bet Tri ; 3.00; 8900;occ; 350; 0;28823
4;-1845.9; 04-SEP-2007 16:55:46; Bright; 80.0; 149; 45Eps Per ; 2.89; 30000;occ; 160; 0;28823
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 12; 5997.4; 23-SEP-2007 10:46:19; Dark ; 38.5; 41; Eps Car ; 1.86; 4100;occ; 77; 0;29091
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 4; 2104.6; 23-SEP-2007 18:04:26; Bright; 38.0; 61; 8Eps Peg ; 2.10; 3900;occ; 76; 0;29096
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/nas3/ENVISAT/GOMOS/GOM_NL__0P/GOM_NL__0PNPDK20070928_183603_000053772062_00056_29168_8976.N1
f_file_not_exist pr_oprd /nas3/ENVISAT/GOMOS/GOM_NL__0P/GOM_NL__0PNPDK20070928_183603_000053772062_00056_29168_8976.N1 0