

GOMOS Daily Report 04-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	06SEP2007 05:34:01
Data source version	GOMOS/5.00
Start time of products	QDS_YESTERDAY(/START)-1D (04SEP2007 00:00:00)
Stop time of products	QDS_YESTERDAY(/STOP)-1D (05SEP2007 00:00:00)
Store outputs in DB	Yes
Nb of level 1b prods	47
Nb of prods with errors	0

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

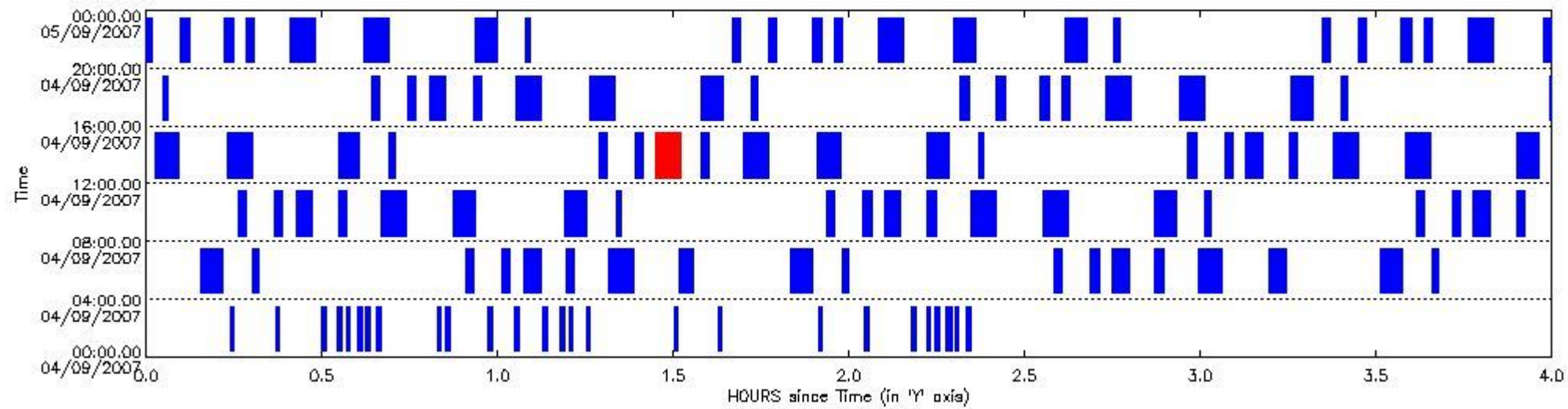
2.1 Level 0 products arrived in PCF (see template [here](#))

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)

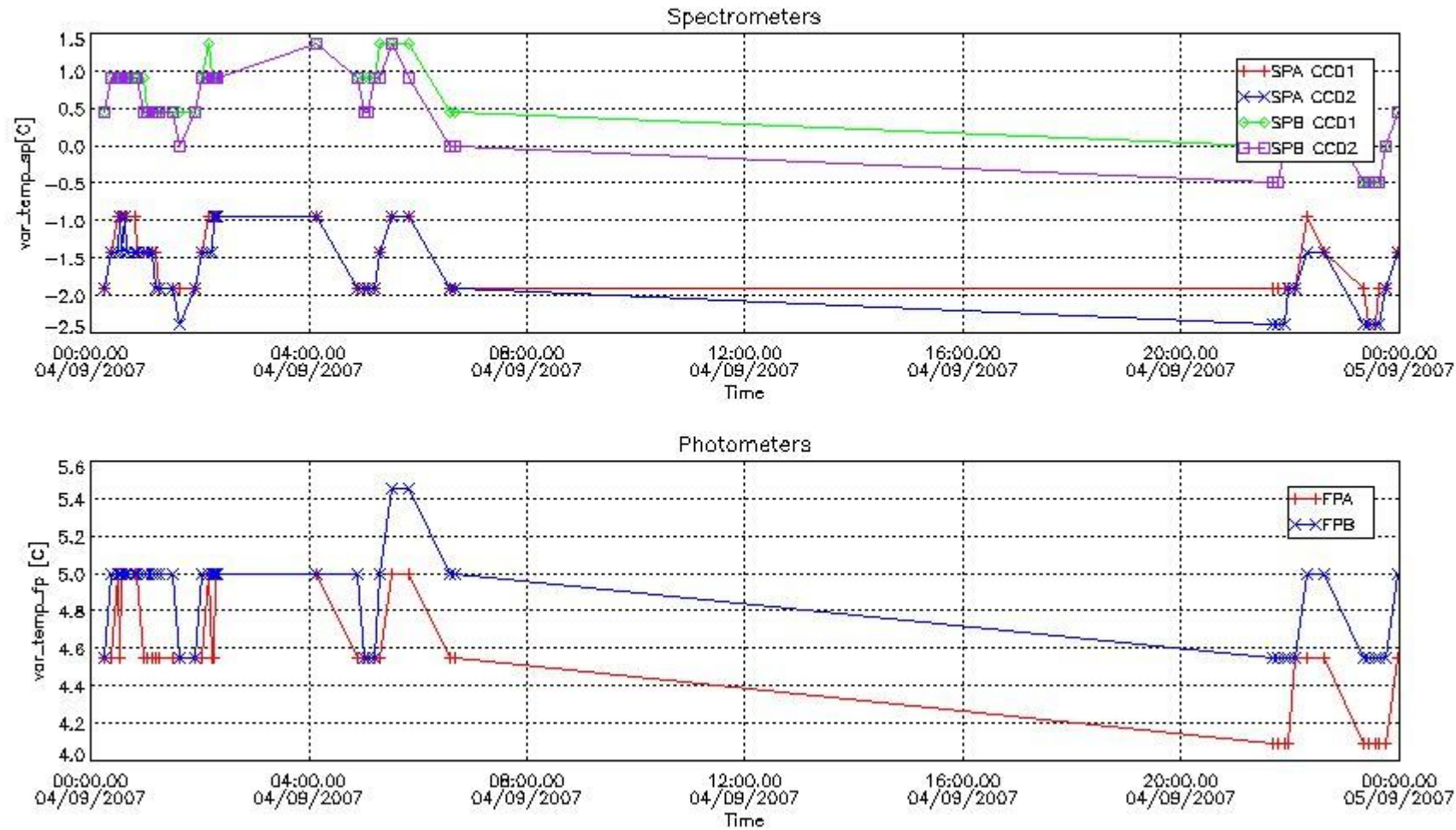
UTC start time	Star name	Star ID	Orbit
04-SEP-2007 13:27:04	4BetTri	173	28821

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_1PNPDE20070904_001414_000000422061_00202_28813_3704.N1	04-SEP-2007 00:14:14	Bright	41.500	24	66Alp Gem	1.5800	10200.	83	28813	No
2	GOM_TRA_1PNPDE20070904_002203_000000422061_00202_28813_3705.N1	04-SEP-2007 00:22:03	Twilight	42.000	8	10Alp CMi	0.40000	6500.0	84	28813	No
3	GOM_TRA_1PNPDE20070904_002954_000000522061_00202_28813_3841.N1	04-SEP-2007 00:29:54	Dark	51.500	1	9Alp CMa	-1.4400	11000.	103	28813	No
4	GOM_TRA_1PNPDE20070904_003236_000000462061_00202_28813_3842.N1	04-SEP-2007 00:32:36	Dark	46.000	23	21Eps CMa	1.5020	26000.	92	28813	No
5	GOM_TRA_1PNPDE20070904_003406_000000432061_00202_28813_3843.N1	04-SEP-2007 00:34:06	Dark	42.500	117	Pi Pup	2.7060	3800.0	85	28813	No
6	GOM_TRA_1PNPDE20070904_003723_000000482061_00202_28813_3844.N1	04-SEP-2007 00:37:23	Dark	47.500	108	Alp Col	2.6520	15200.	95	28813	No
7	GOM_TRA_1PNPDE20070904_003918_000000542061_00202_28813_3845.N1	04-SEP-2007 00:39:18	Dark	54.000	2	Alp Car	-0.73600	7000.0	108	28813	No
8	GOM_TRA_1PNPDE20070904_004940_000000412061_00203_28814_3846.N1	04-SEP-2007 00:49:40	Dark	41.000	143	Alp Hyi	2.8570	7200.0	82	28814	No
9	GOM_TRA_1PNPDE20070904_005059_000000542061_00203_28814_3847.N1	04-SEP-2007 00:50:59	Dark	54.000	9	Alp Eri	0.45300	24000.	108	28814	No
10	GOM_TRA_1PNPDE20070904_005815_000000502061_00203_28814_3848.N1	04-SEP-2007 00:58:15	Straylight	49.500	63	Bet Gru	2.1500	2800.0	99	28814	No

11	GOM_TRA_1PNPDE20070904_010252_000000452061_00203_28814_3849.N1	04-SEP-2007 01:02:52	Straylight	44.500	18	24Alp PsA	1.1660	9700.0	89	28814	No
12	GOM_TRA_1PNPDE20070904_010737_000000462061_00203_28814_3850.N1	04-SEP-2007 01:07:37	Bright	45.500	142	49Del Cap	2.8500	8900.0	91	28814	No
13	GOM_TRA_1PNPDE20070904_011044_000000382061_00203_28814_3851.N1	04-SEP-2007 01:10:44	Bright	37.500	154	22Bet Aqr	2.8990	5700.0	75	28814	No
14	GOM_TRA_1PNPDE20070904_011208_000000402061_00203_28814_3852.N1	04-SEP-2007 01:12:08	Bright	39.500	162	34Alp Aqr	2.9440	5350.0	79	28814	No
15	GOM_TRA_1PNPDE20070904_011507_000000382061_00203_28814_3853.N1	04-SEP-2007 01:15:07	Bright	37.500	61	8Eps Peg	2.1000	3900.0	75	28814	No
16	GOM_TRA_1PNPDE20070904_013006_000000382061_00203_28814_3854.N1	04-SEP-2007 01:30:06	Bright	37.500	89	5Alp Cep	2.4510	8000.0	75	28814	No
17	GOM_TRA_1PNPDE20070904_013747_000000342061_00203_28814_3855.N1	04-SEP-2007 01:37:47	Bright	33.500	49	1Alp UMi	1.9900	6300.0	67	28814	No
18	GOM_TRA_1PNPDE20070904_015450_000000382061_00203_28814_3856.N1	04-SEP-2007 01:54:50	Bright	38.000	24	66Alp Gem	1.5800	10200.	76	28814	No
19	GOM_TRA_1PNPDE20070904_020240_000000412061_00203_28814_3857.N1	04-SEP-2007 02:02:40	Twilight	41.000	8	10Alp CMi	0.40000	6500.0	82	28814	No
20	GOM_TRA_1PNPDE20070904_021031_000000522061_00203_28814_3965.N1	04-SEP-2007 02:10:31	Dark	52.000	1	9Alp CMa	-1.4400	11000.	104	28814	No
21	GOM_TRA_1PNPDE20070904_021312_000000442061_00203_28814_3966.N1	04-SEP-2007 02:13:12	Dark	44.000	23	21Eps CMa	1.5020	26000.	88	28814	No
22	GOM_TRA_1PNPDE20070904_021442_000000432061_00203_28814_3967.N1	04-SEP-2007 02:14:42	Dark	43.000	117	Pi Pup	2.7060	3800.0	86	28814	No
23	GOM_TRA_1PNPDE20070904_021800_000000442061_00203_28814_3968.N1	04-SEP-2007 02:18:00	Dark	44.000	108	Alp Col	2.6520	15200.	88	28814	No
24	GOM_TRA_1PNPDE20070904_021954_000000492061_00203_28814_3969.N1	04-SEP-2007 02:19:54	Dark	48.500	2	Alp Car	-0.73600	7000.0	97	28814	No
25	GOM_TRA_1PNPDE20070904_040919_000002252061_00205_28816_4125.N1	04-SEP-2007 04:09:19	Dark	225.00	165	34Gam Eri	2.9500	3200.0	450	28816	No
26	GOM_TRA_1PNPDE20070904_045429_000000892061_00205_28816_4126.N1	04-SEP-2007 04:54:29	Bright	88.500	53	43Bet And	2.0480	3300.0	177	28816	No
27	GOM_TRA_1PNPDE20070904_050040_000000862061_00205_28816_4127.N1	04-SEP-2007 05:00:40	Bright	85.500	73	57Gam1And	2.2600	13100.	171	28816	No
28	GOM_TRA_1PNPDE20070904_050427_000001732061_00205_28816_4303.N1	04-SEP-2007 05:04:27	Bright	172.50	173	4Bet Tri	3.0040	8900.0	345	28816	No
29	GOM_TRA_1PNPDE20070904_051139_000000832061_00205_28816_4304.N1	04-SEP-2007 05:11:39	Bright	83.000	149	45Eps Per	2.8880	30000.	166	28816	No
30	GOM_TRA_1PNPDE20070904_051856_000002552061_00205_28816_4305.N1	04-SEP-2007 05:18:56	Straylight	254.50	150	44Zet Per	2.8900	28000.	509	28816	No
31	GOM_TRA_1PNPDE20070904_053101_000001492061_00205_28816_4306.N1	04-SEP-2007 05:31:01	Dark	148.50	13	87Alp Tau	0.86700	3800.0	297	28816	No
32	GOM_TRA_1PNPDE20070904_055000_000002252061_00206_28817_4307.N1	04-SEP-2007 05:50:00	Dark	225.00	165	34Gam Eri	2.9500	3200.0	450	28817	No
33	GOM_TRA_1PNPDE20070904_063503_000000762061_00206_28817_4308.N1	04-SEP-2007 06:35:03	Bright	76.000	53	43Bet And	2.0480	3300.0	152	28817	No
34	GOM_TRA_1PNPDE20070904_064114_000000882061_00206_28817_4309.N1	04-SEP-2007 06:41:14	Bright	88.000	73	57Gam1And	2.2600	13100.	176	28817	No
35	GOM_TRA_1PNPDE20070904_214008_000000852061_00215_28826_4752.N1	04-SEP-2007 21:40:08	Bright	84.500	53	43Bet And	2.0480	3300.0	169	28826	No
36	GOM_TRA_1PNPDE20070904_214620_000000792061_00215_28826_4753.N1	04-SEP-2007 21:46:20	Bright	78.500	73	57Gam1And	2.2600	13100.	157	28826	No
37	GOM_TRA_1PNPDE20070904_215344_000001012061_00215_28826_4754.N1	04-SEP-2007 21:53:44	Bright	100.50	79	26Bet Per	2.3100	13100.	201	28826	No
38	GOM_TRA_1PNPDE20070904_215732_000000842061_00215_28826_4755.N1	04-SEP-2007 21:57:32	Bright	84.000	149	45Eps Per	2.8880	30000.	168	28826	No
39	GOM_TRA_1PNPDE20070904_220503_000002552061_00215_28826_4756.N1	04-SEP-2007 22:05:03	Straylight	254.50	150	44Zet Per	2.8900	28000.	509	28826	No
40	GOM_TRA_1PNPDE20070904_221756_000002272061_00215_28826_4913.N1	04-SEP-2007 22:17:56	Dark	227.00	13	87Alp Tau	0.86700	3800.0	454	28826	No
41	GOM_TRA_1PNPDE20070904_223648_000002242061_00216_28827_4914.N1	04-SEP-2007 22:36:48	Straylight	224.00	165	34Gam Eri	2.9500	3200.0	448	28827	No
42	GOM_TRA_1PNPDE20070904_232042_000000862061_00216_28827_4915.N1	04-SEP-2007 23:20:42	Bright	85.500	53	43Bet And	2.0480	3300.0	171	28827	No
43	GOM_TRA_1PNPDE20070904_232655_000000842061_00216_28827_4916.N1	04-SEP-2007 23:26:55	Bright	84.000	73	57Gam1And	2.2600	13100.	168	28827	No
44	GOM_TRA_1PNPDE20070904_233419_000001012061_00216_28827_4917.N1	04-SEP-2007 23:34:19	Bright	101.00	79	26Bet Per	2.3100	13100.	202	28827	No
45	GOM_TRA_1PNPDE20070904_233807_000000862061_00216_28827_4918.N1	04-SEP-2007 23:38:07	Bright	86.000	149	45Eps Per	2.8880	30000.	172	28827	No
46	GOM_TRA_1PNPDE20070904_234540_000002552061_00216_28827_4919.N1	04-SEP-2007 23:45:40	Straylight	254.50	150	44Zet Per	2.8900	28000.	509	28827	No
47	GOM_TRA_1PNPDE20070904_235839_000001802061_00216_28827_5039.N1	04-SEP-2007 23:58:39	Dark	179.50	13	87Alp Tau	0.86700	3800.0	359	28827	No

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



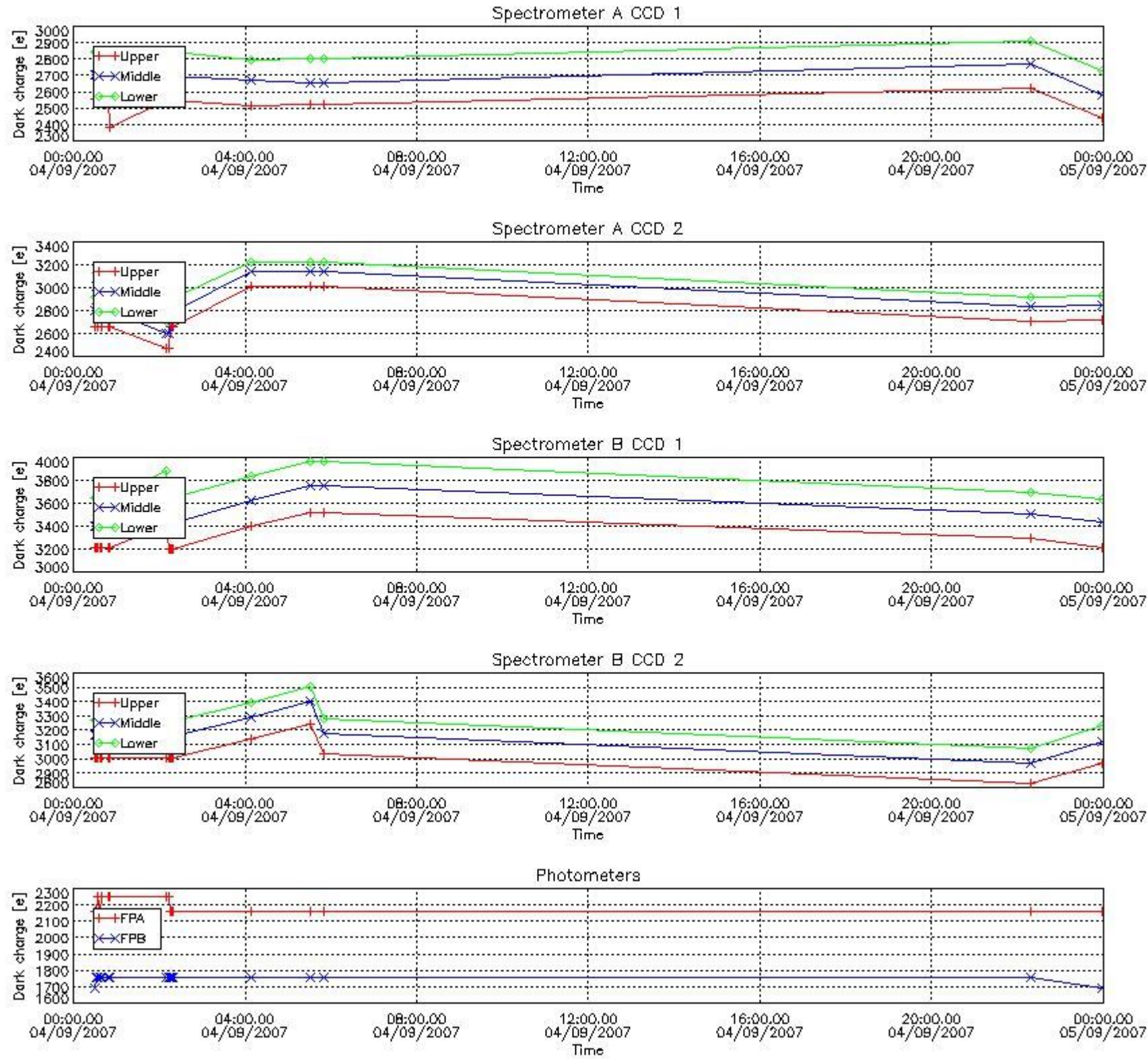
4. Overview of dark signal processing per product

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



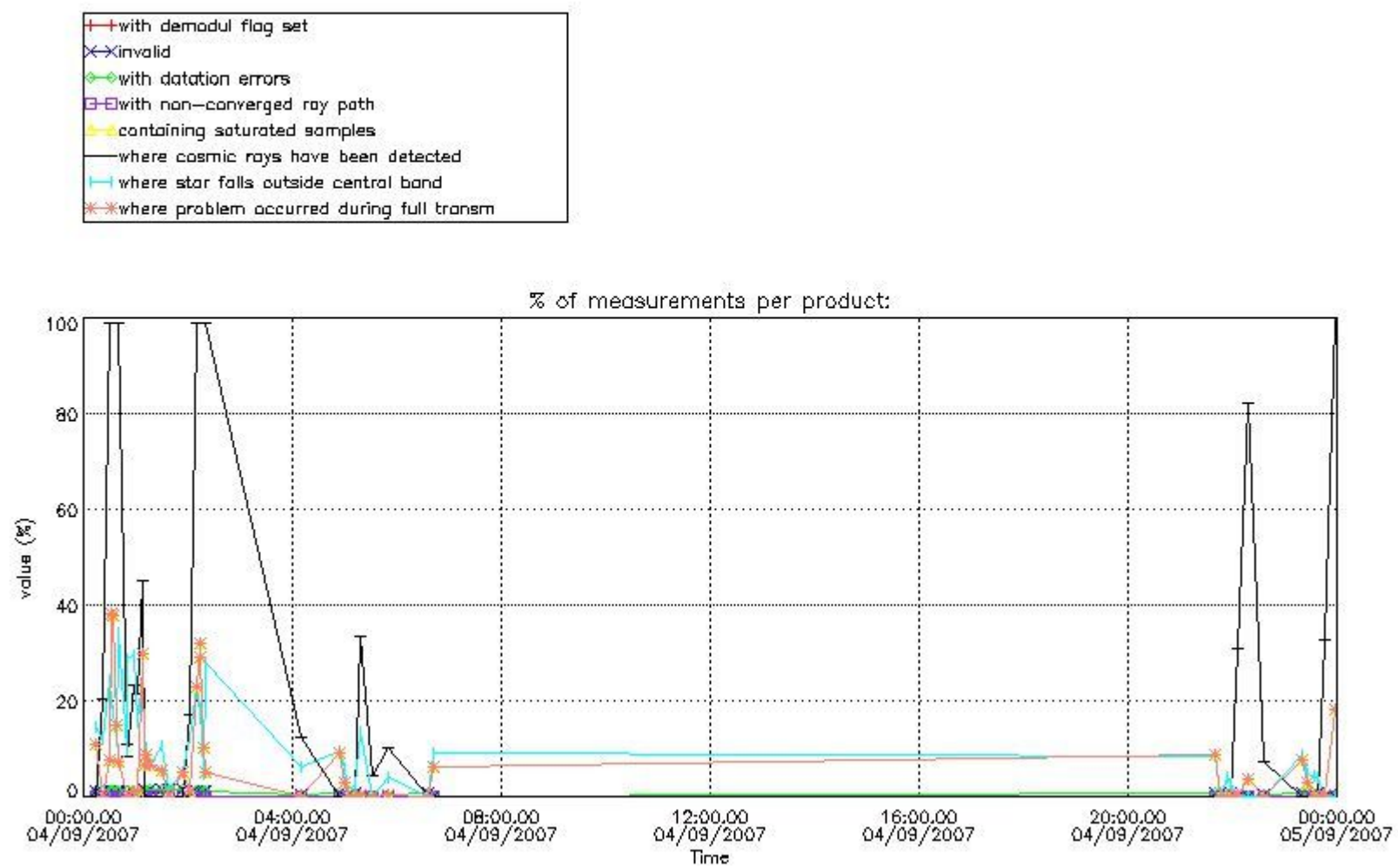
5. Demodulation flag and quality information monitoring

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.

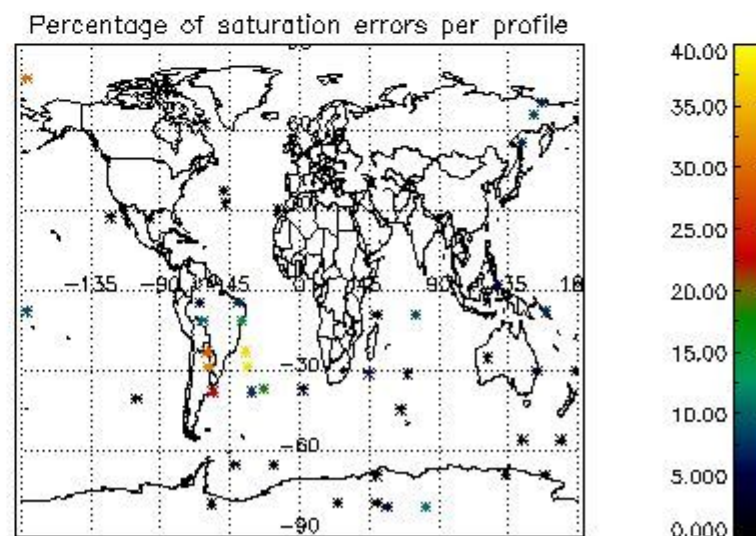
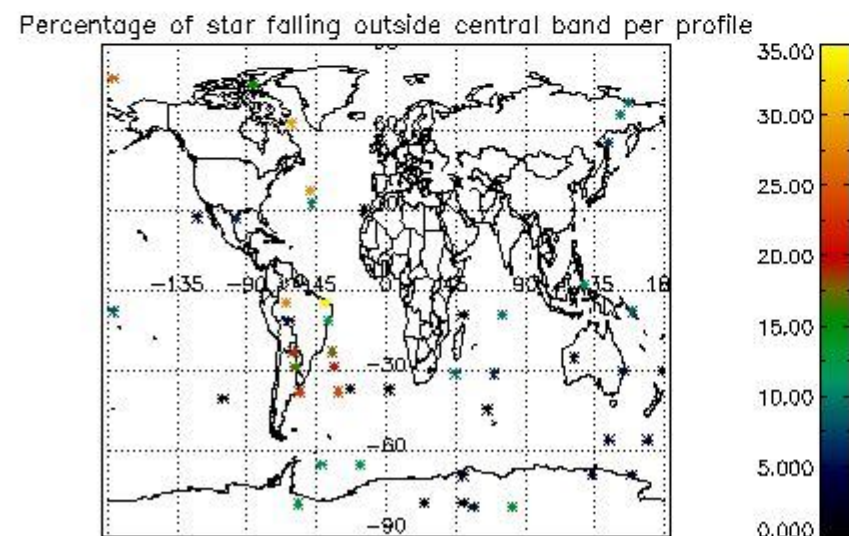
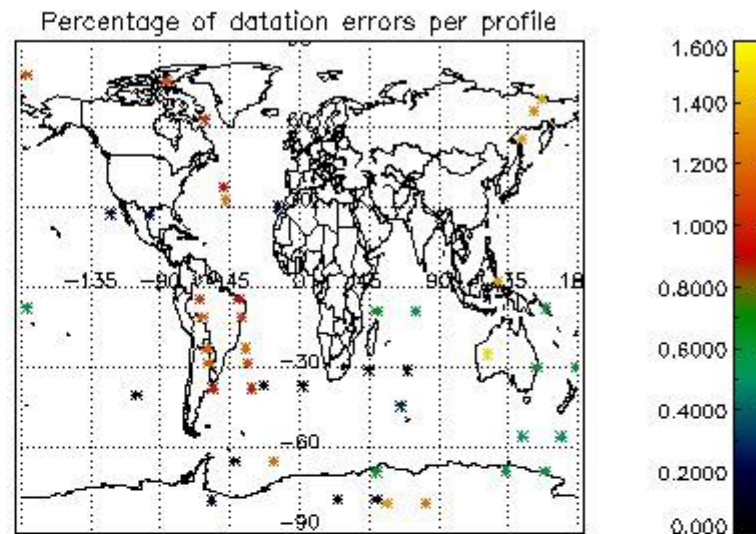
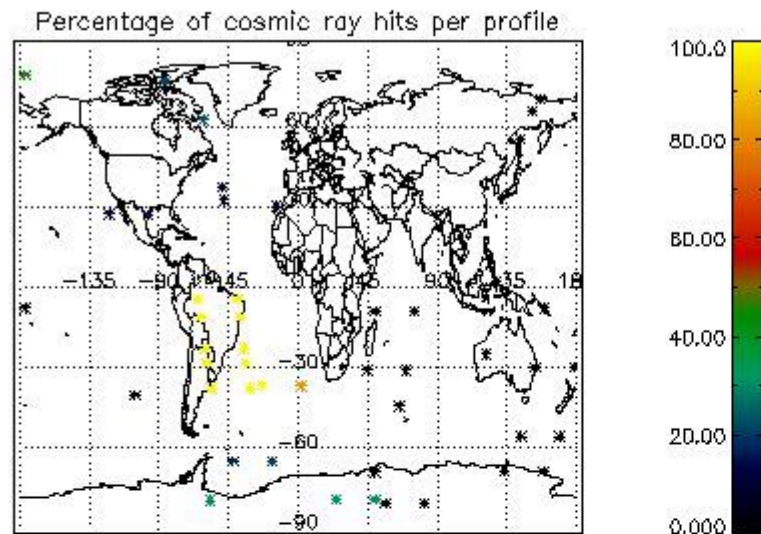
5.1 Percentage of products during reporting period with:

At least one measurement with demodulation flag set:	34.0426 %
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)



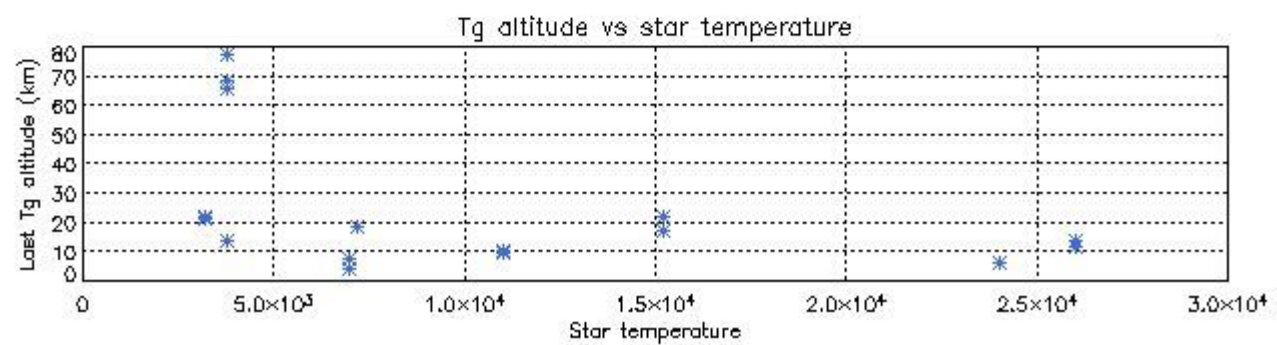
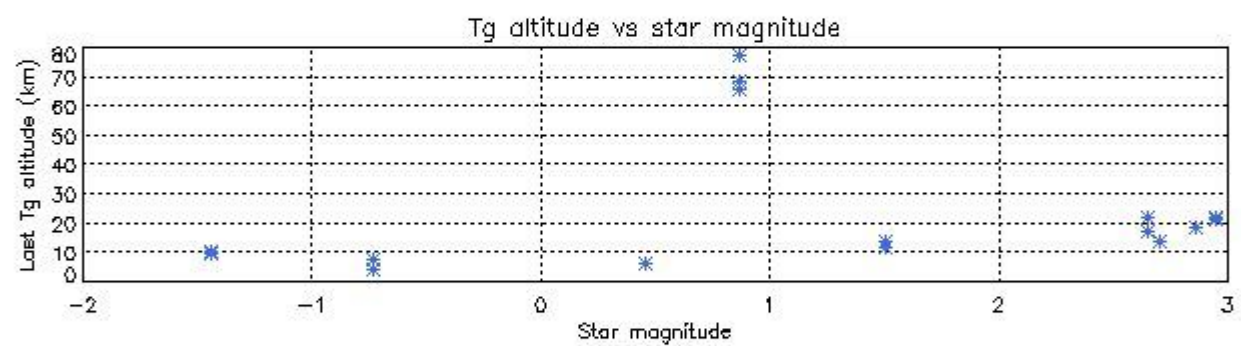
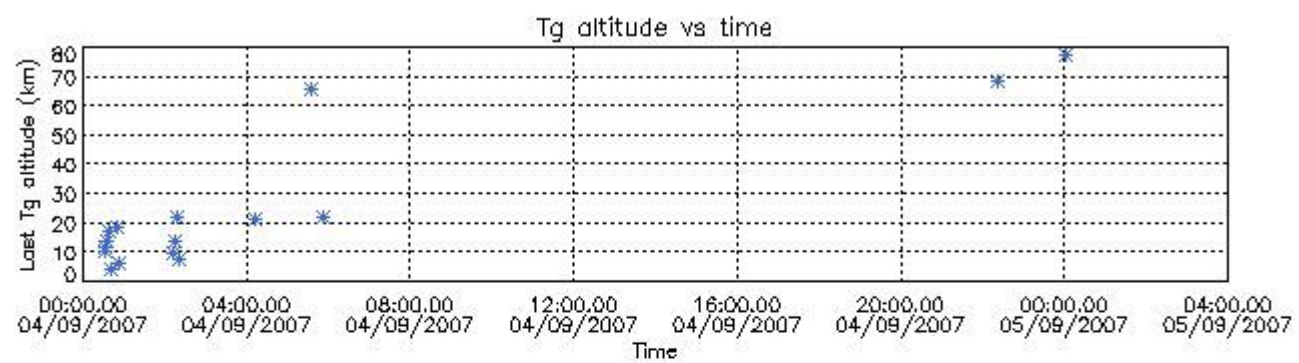
6. Statistics and plot of tangent altitude of the last measurement (DARK & BRIGHT products without errors)

6.1 Statistics on tangent altitude lost:

Statistics	DARK	BRIGHT	TWILIGHT
Mean:	23.641	21.052	15.339
St. deviation:	23.040	4.3280	0.78113
Maximum:	77.440	28.404	15.891
Minimum:	3.7794	10.080	14.786
Number of data:	17.000	22.000	2.0000

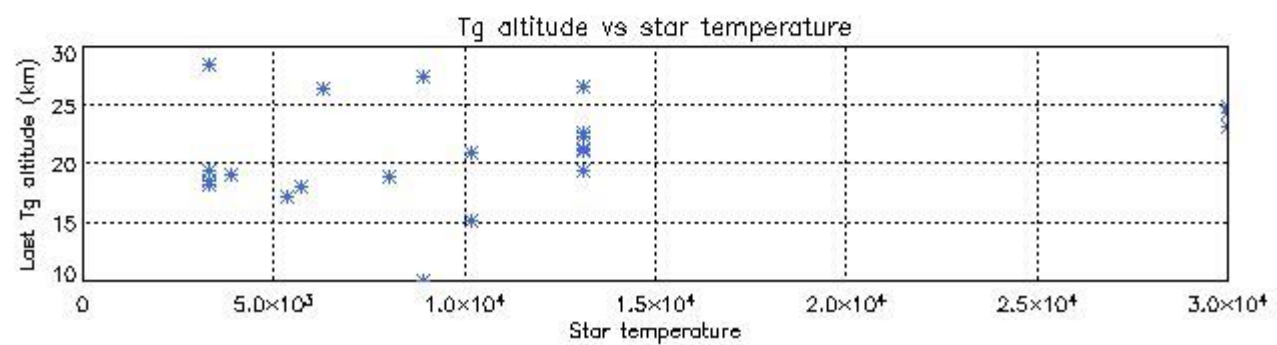
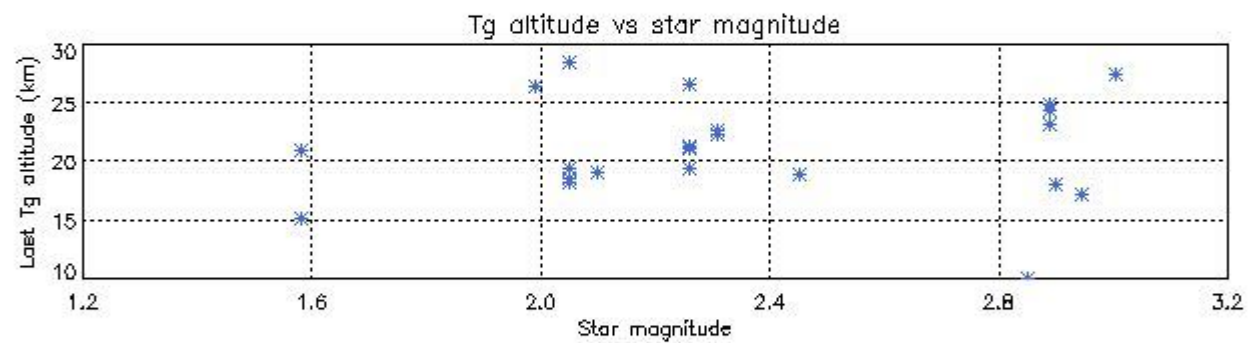
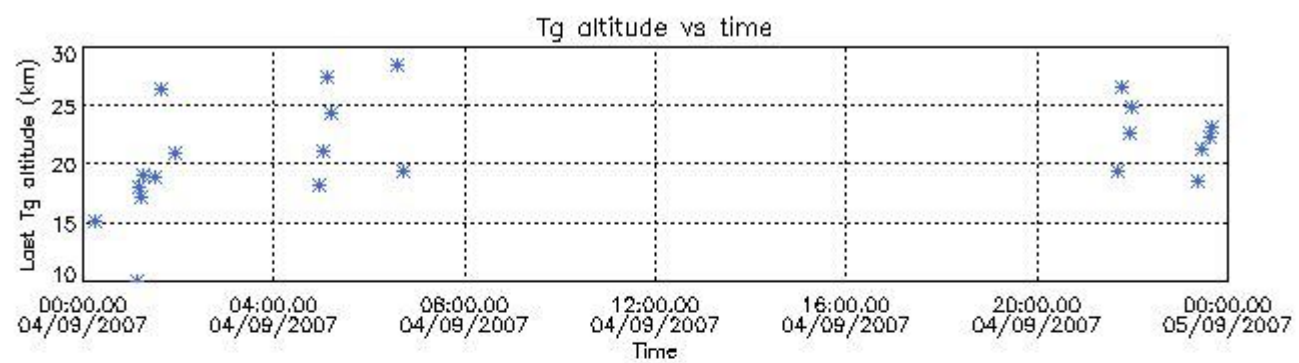
6.2 Plot for DARK limb products

Tangent altitude at which the star is lost



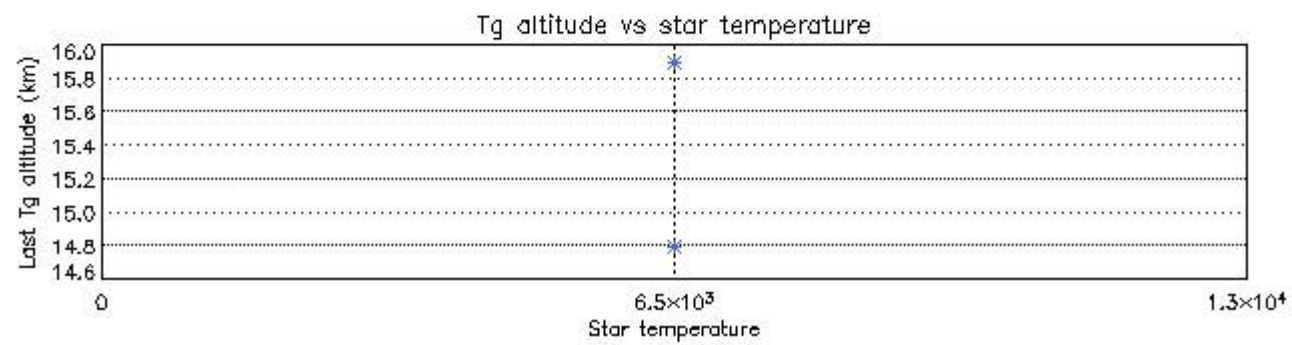
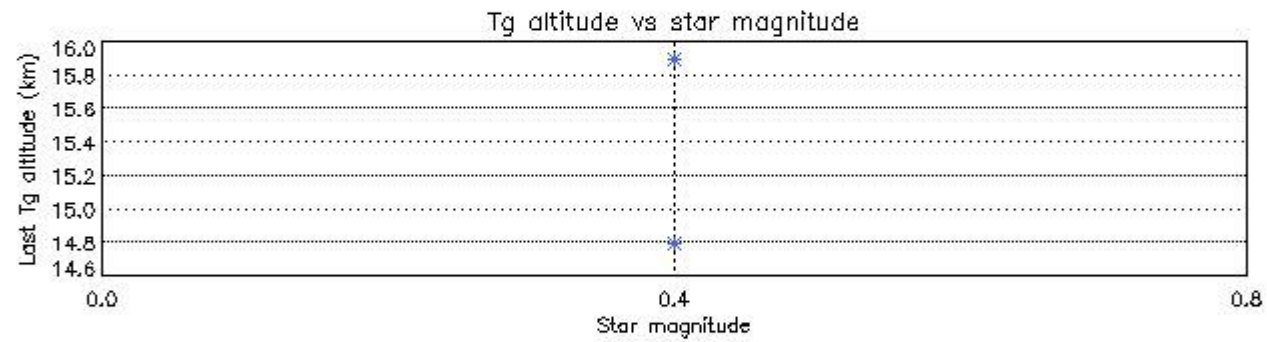
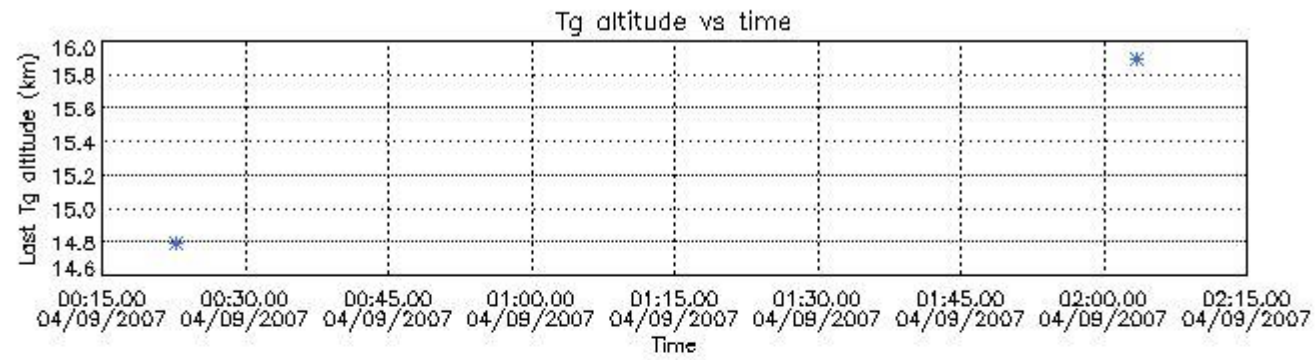
6.3 Plot for BRIGHT limb products

Tangent altitude at which the star is lost



6.3 Plot for TWILIGHT limb products

Tangent altitude at which the star is lost

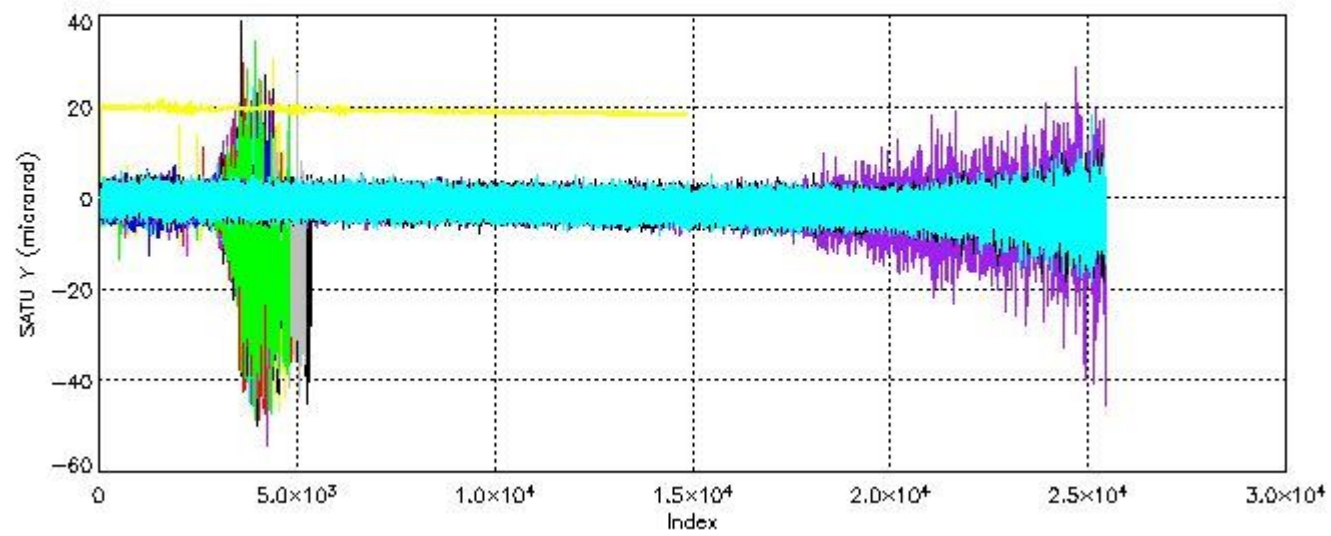
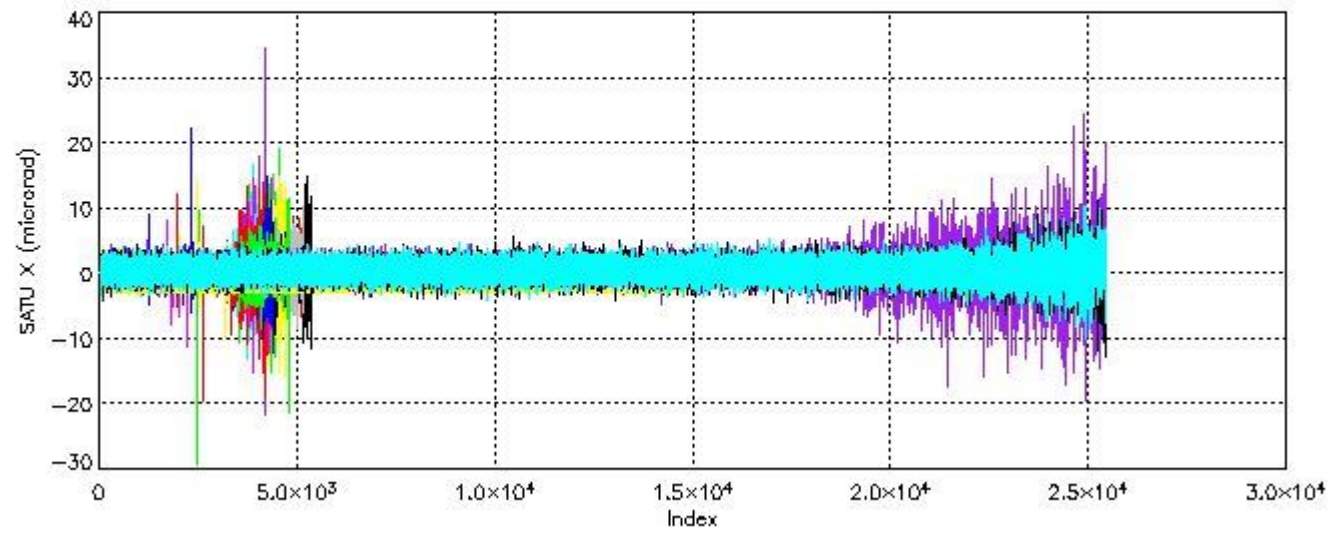


7. Star Acquisition and Tracking Unit (SATU)

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:	0.28593	-1.1729	0.35757	-0.96412
St. deviation:	0.44283	1.5359	0.75625	1.6031
Maximum:	4.2000	21.600	6.2000	7.0000
Minimum:	-4.3000	-15.000	-7.5000	-10.000

Number of data:	41200.	41200.	37050.	37050.
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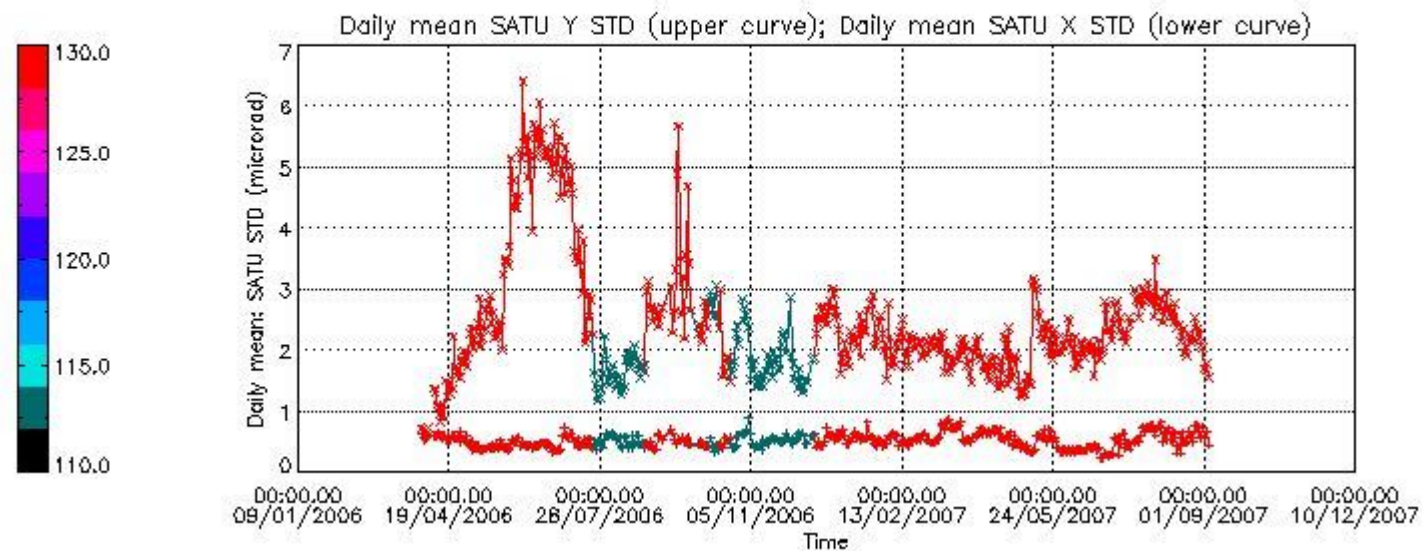
7.2.2 Trend of daily SATU NEA St. deviation since 1st April 2006 (dark limb)

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

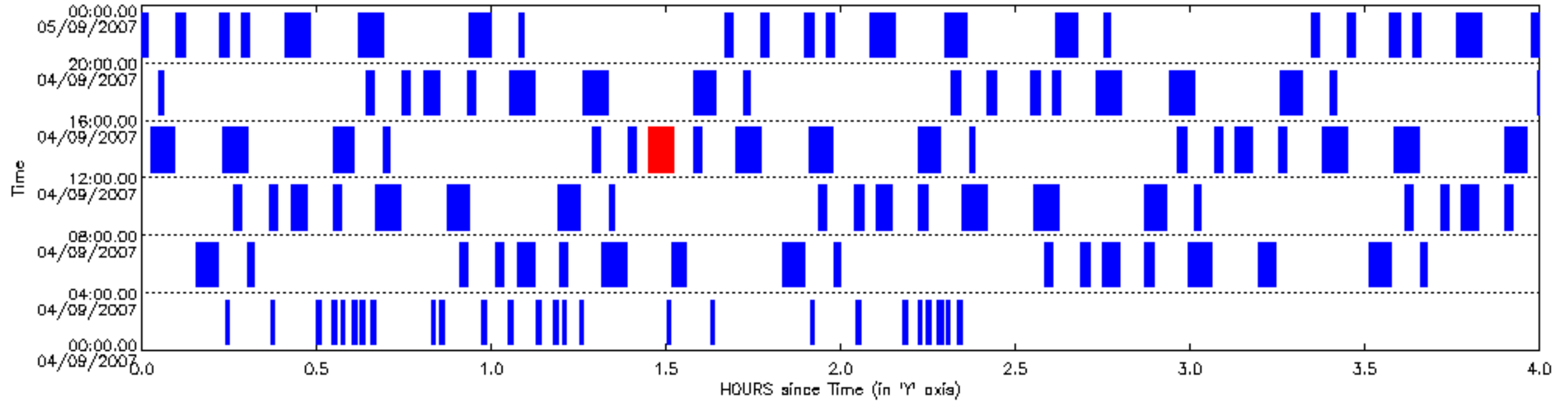
Lower curve: STD of SATU X axis

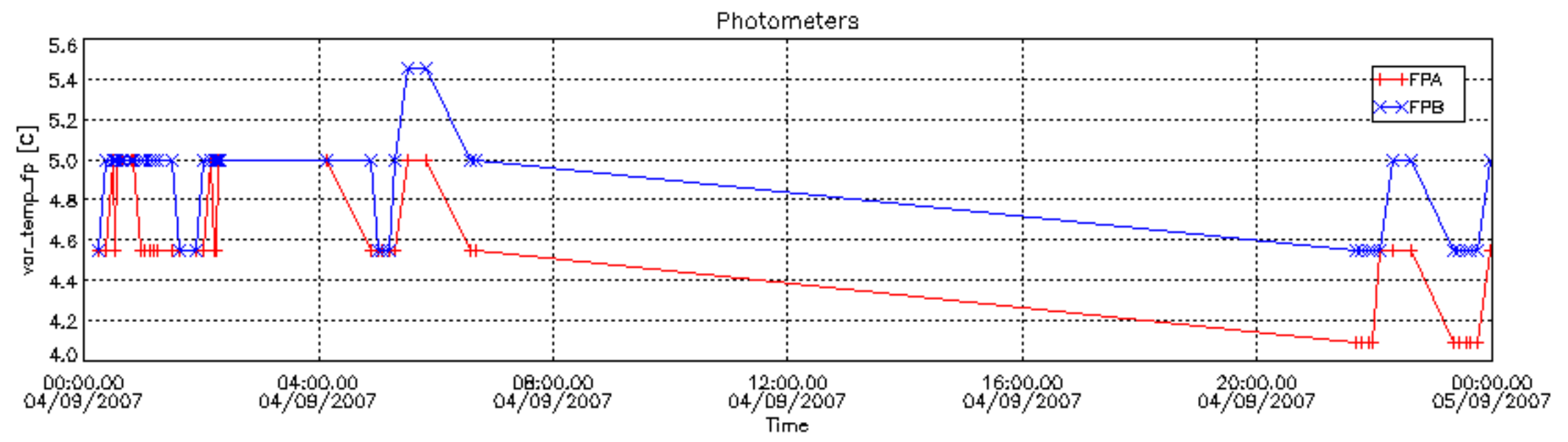
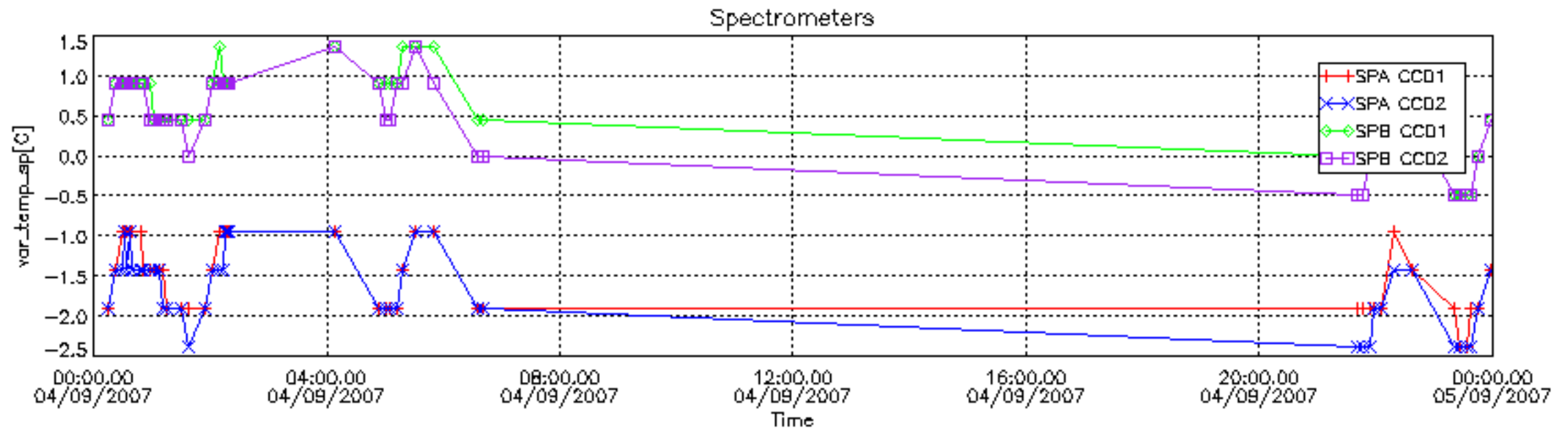


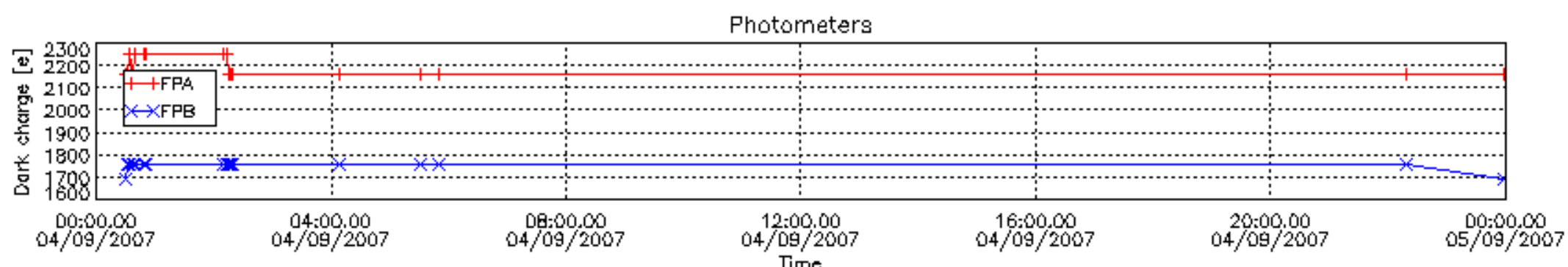
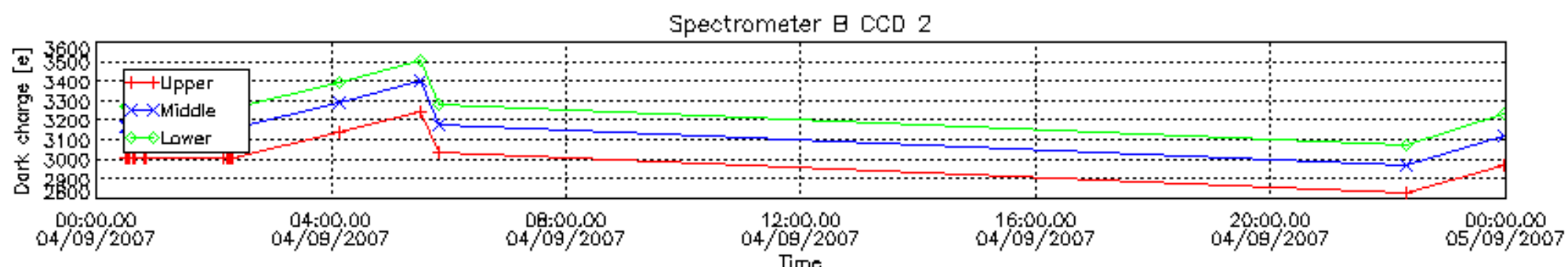
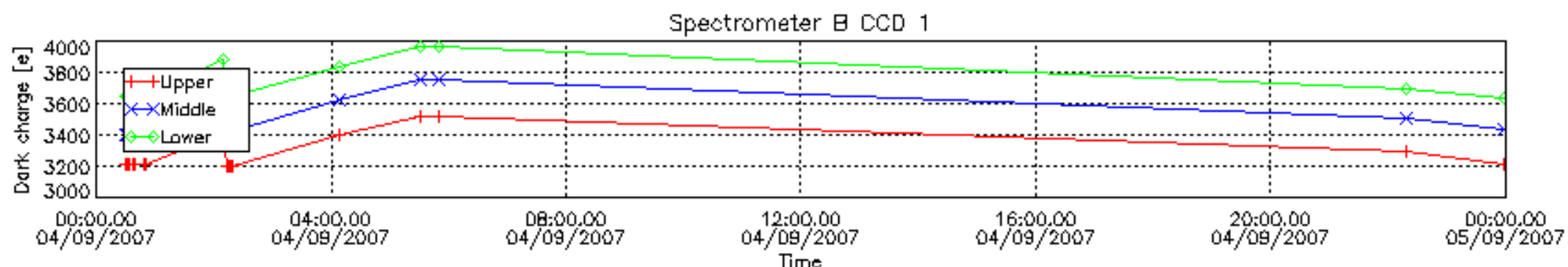
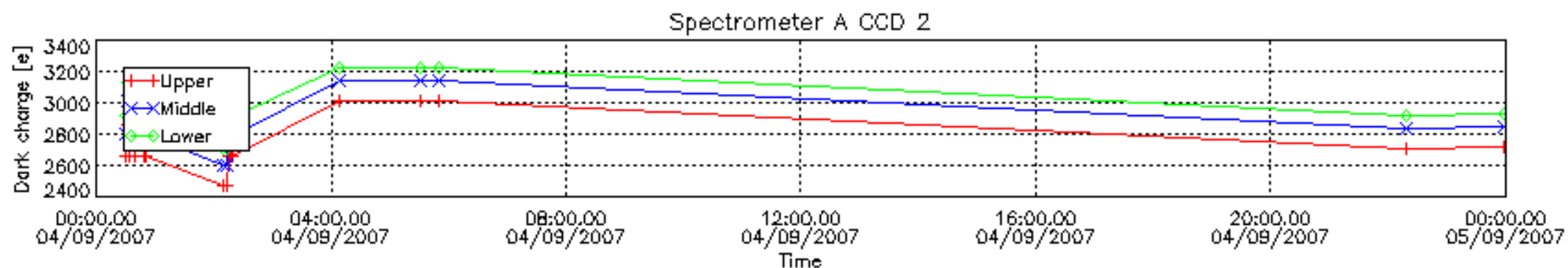
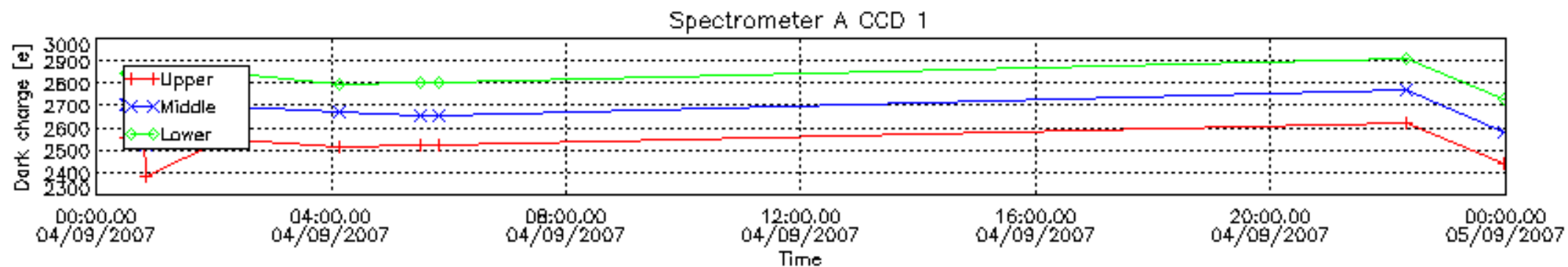
8. Auxiliary Data Files used for the production reported in section 2.4

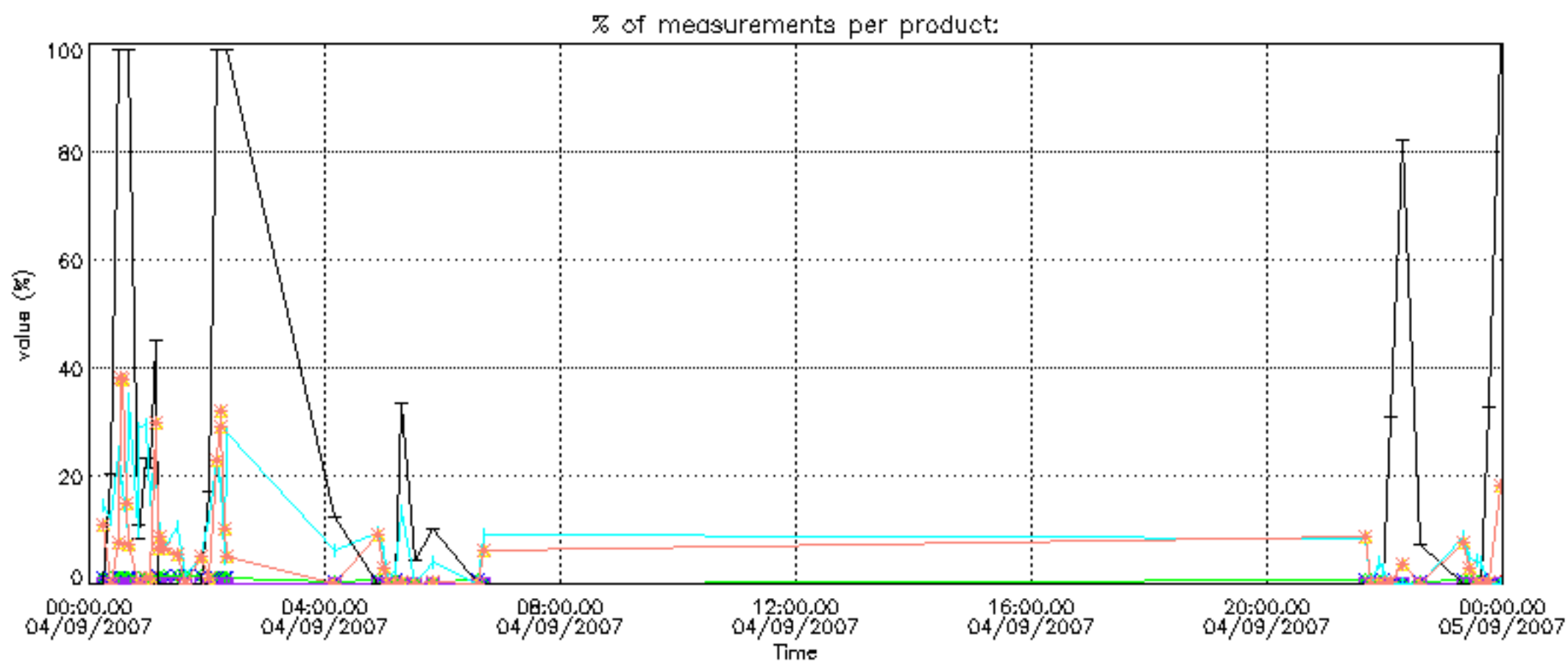
The number reported in the third column indicates since which file (see list in section 2.4) the corresponding auxiliary file has been used. The fourth column is the date of those product files.

Type	Auxiliary Filename	Used since product	Used since product date
INST_PHYS_CHARACTERISTICS	GOM_INS_AXNIEC20050627_150713_20030716_120000_20100101_000000	1	04-SEP-2007 00:14:14
CALIBRATION_DATABASE	GOM_CAL_AXVIEC20070822_085350_20070820_000000_20100101_000000	1	04-SEP-2007 00:14:14
LEVEL-1B_PROC_CONFIG	GOM_PR1_AXNIEC20050627_151042_20020301_000000_20100101_000000	1	04-SEP-2007 00:14:14
STAR_CATALOGUE	GOM_CAT_AXVIEC20020121_161009_20020101_000000_20200101_000000	1	04-SEP-2007 00:14:14
STELLAR_SPECTRA_DATABANK	GOM_STS_AXNIEC20040308_103538_20020101_160000_20100101_000000	1	04-SEP-2007 00:14:14
ECMWF_FILE	AUX_ECF_AXNECM20070903_062111_20070903_210000_20070904_090000	1	04-SEP-2007 00:14:14
ECMWF_FILE	AUX_ECF_AXNECM20070903_182112_20070904_030000_20070904_150000	25	04-SEP-2007 04:09:19
ECMWF_FILE	AUX_ECF_AXNECM20070904_062112_20070904_210000_20070905_090000	35	04-SEP-2007 21:40:08
OPTIONAL_ECMWF_FILE	MISSING	1	04-SEP-2007 00:14:14
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20070903_205946_000060572061_00200_28811_4102.N1	1	04-SEP-2007 00:14:14
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20070903_224601_000057382061_00201_28812_4103.N1	3	04-SEP-2007 00:29:54
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20070904_002658_000054192061_00202_28813_4104.N1	20	04-SEP-2007 02:10:31
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20070904_020237_000041442061_00203_28814_4105.N1	25	04-SEP-2007 04:09:19
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20070904_031700_000057382061_00204_28815_4106.N1	28	04-SEP-2007 05:04:27
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20070904_205938_000041442061_00215_28826_4108.N1	35	04-SEP-2007 21:40:08
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20070904_235458_000054192061_00216_28827_4110.N1	47	04-SEP-2007 23:58:39

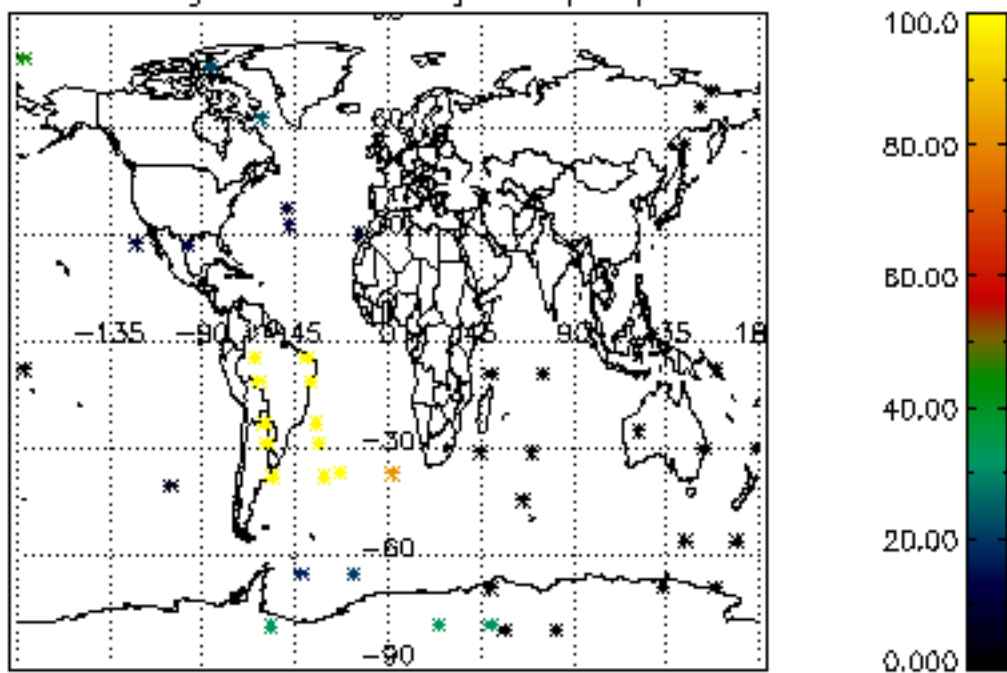




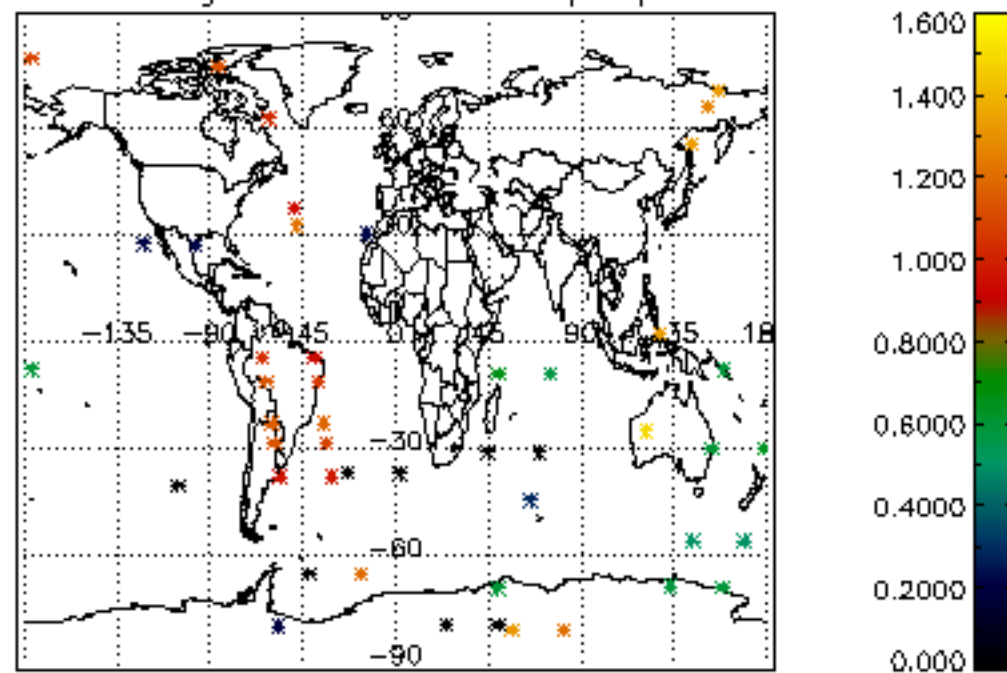




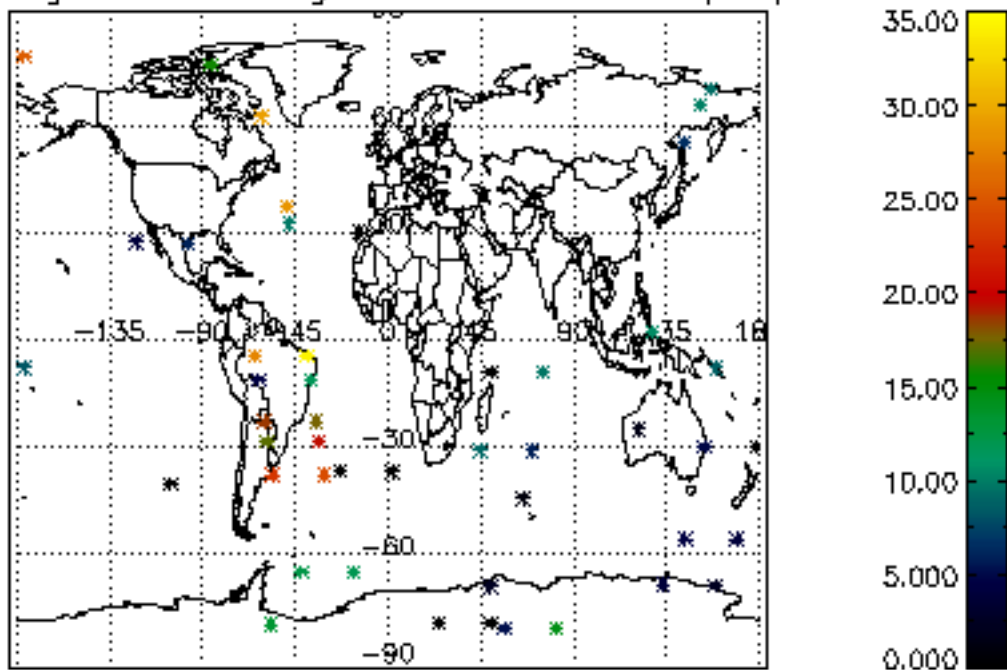
Percentage of cosmic ray hits per profile



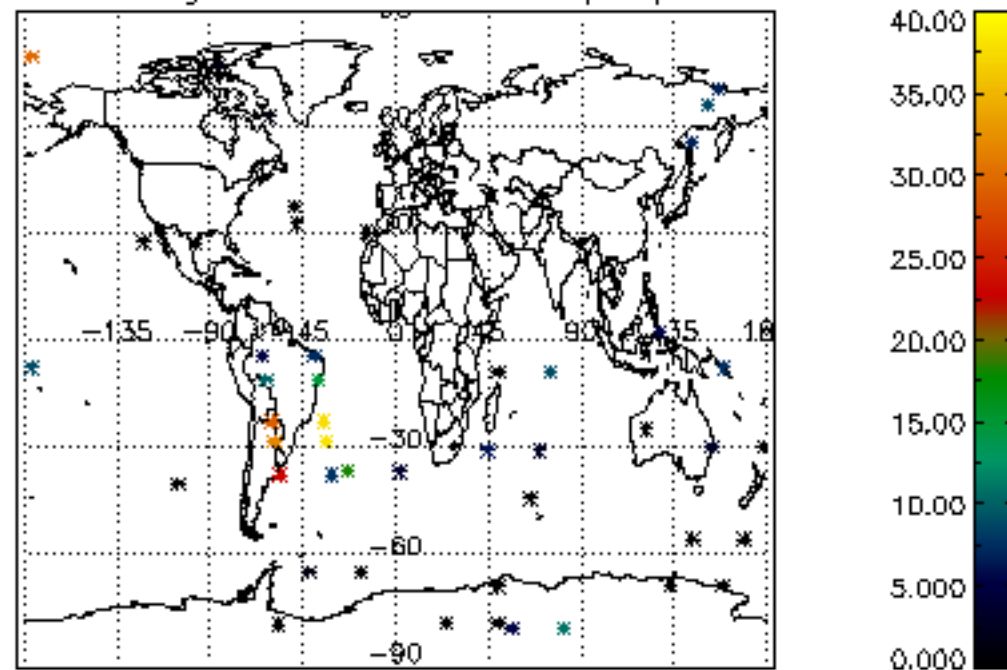
Percentage of datation errors per profile



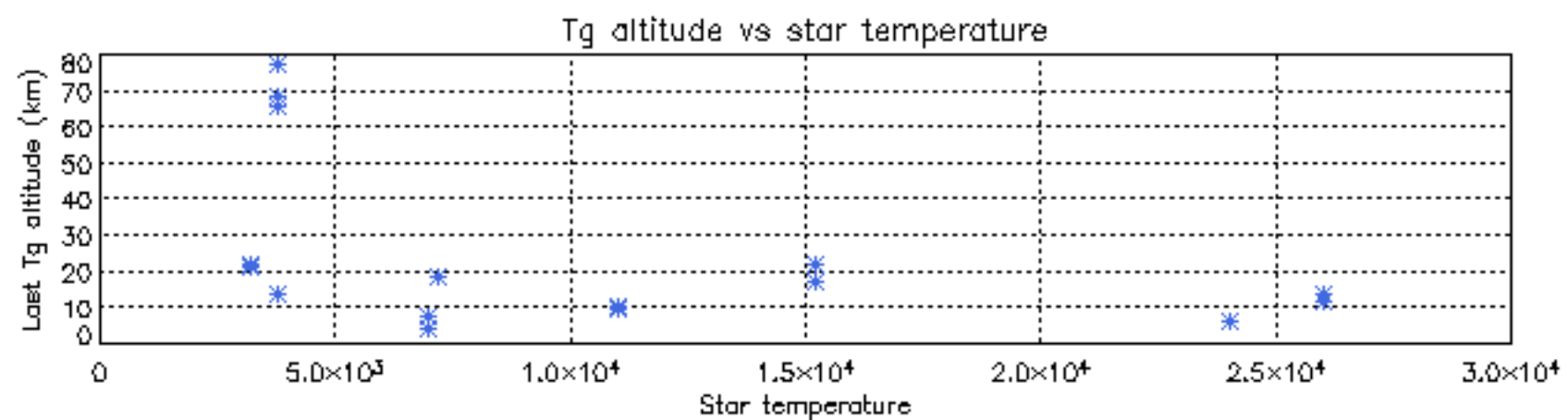
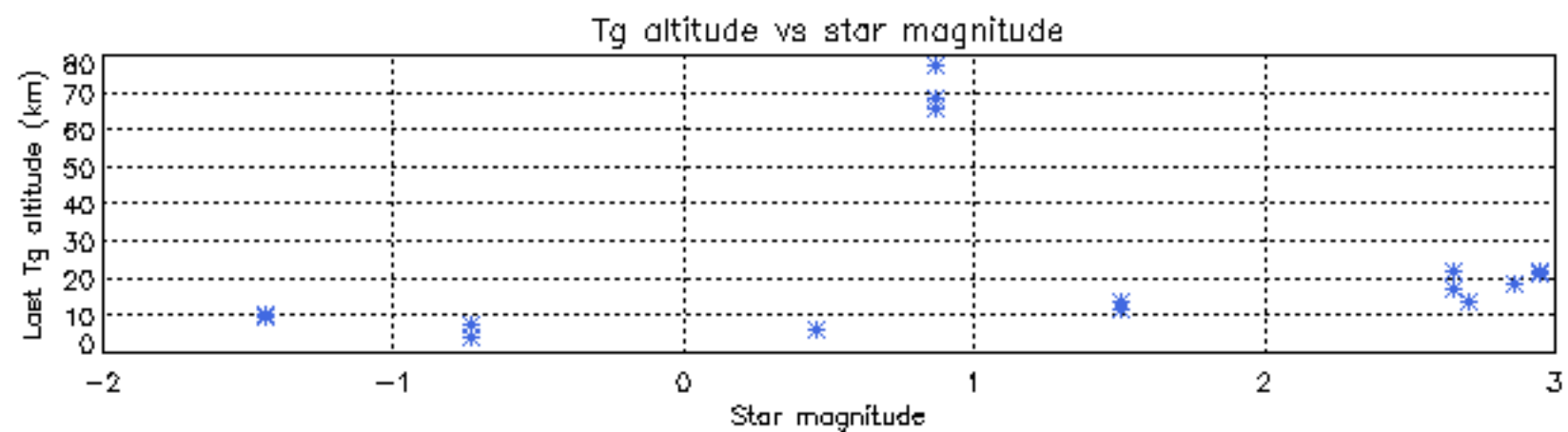
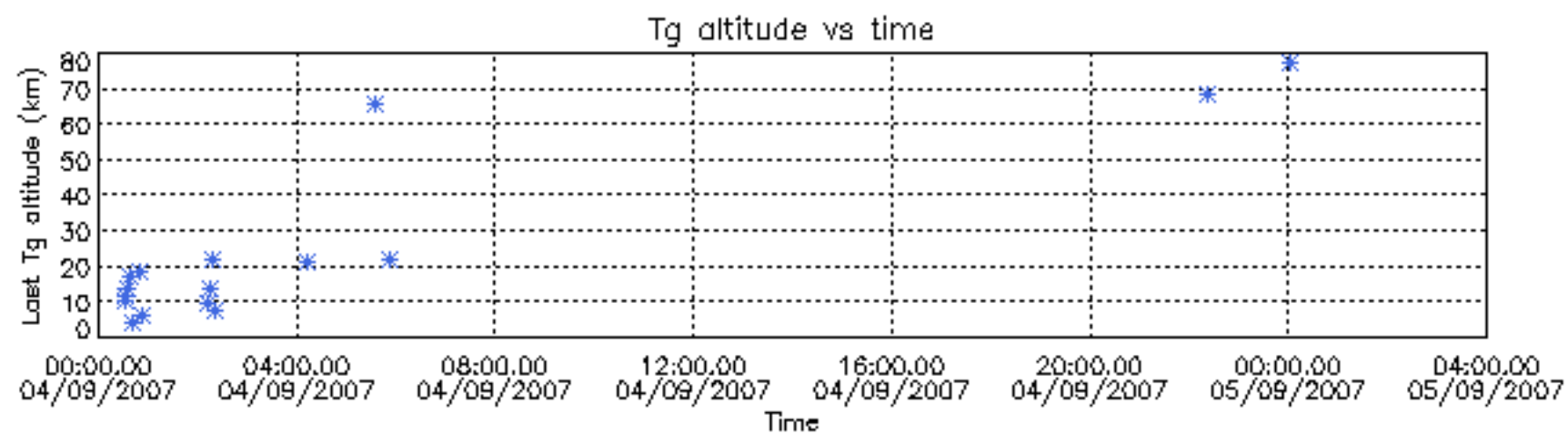
Percentage of star falling outside central band per profile



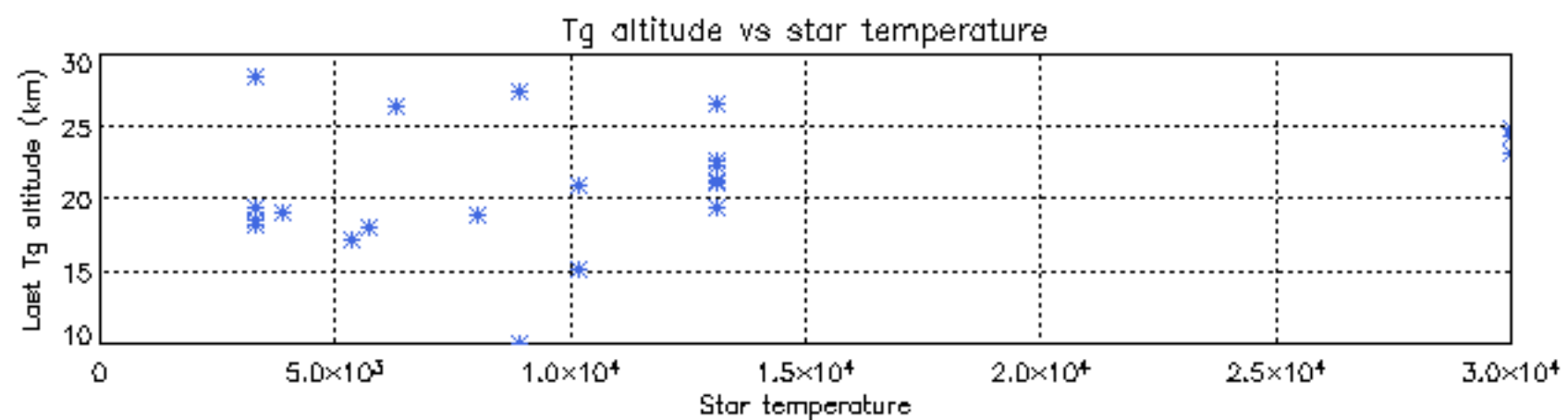
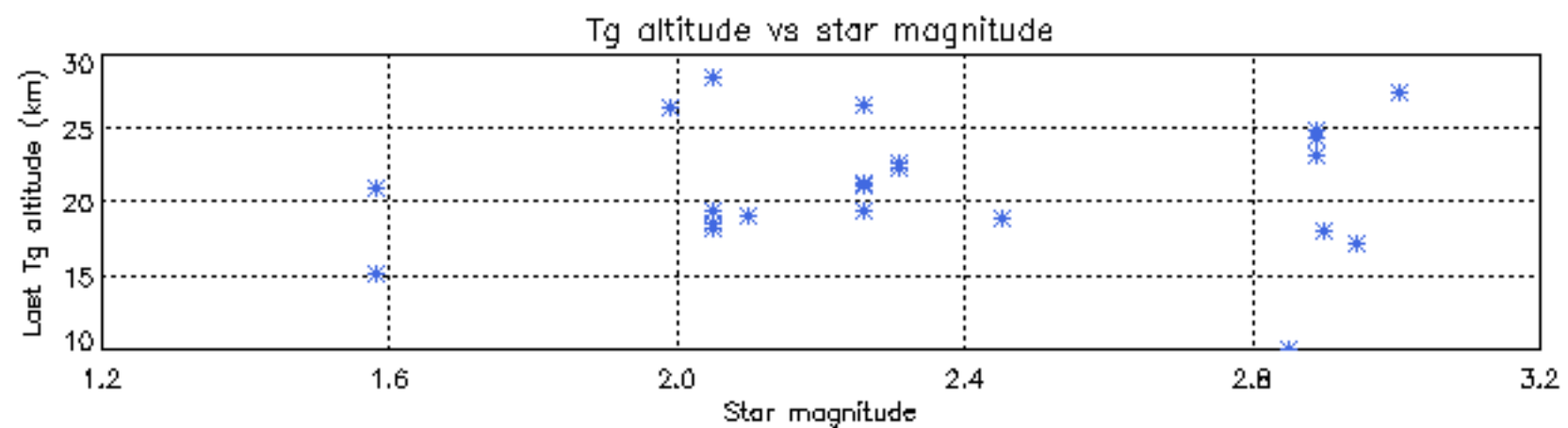
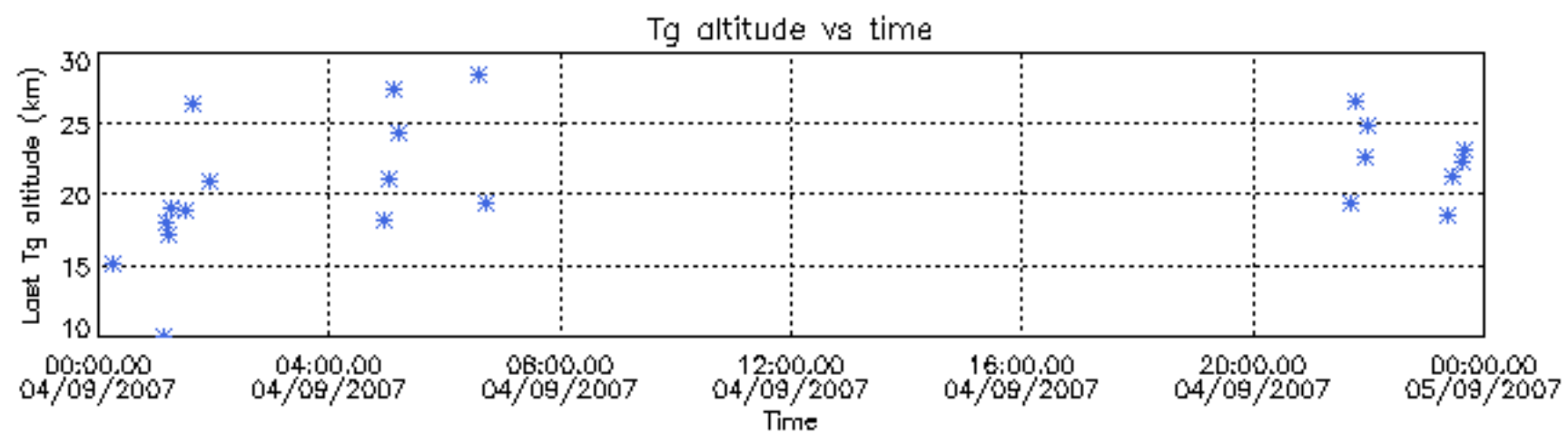
Percentage of saturation errors per profile



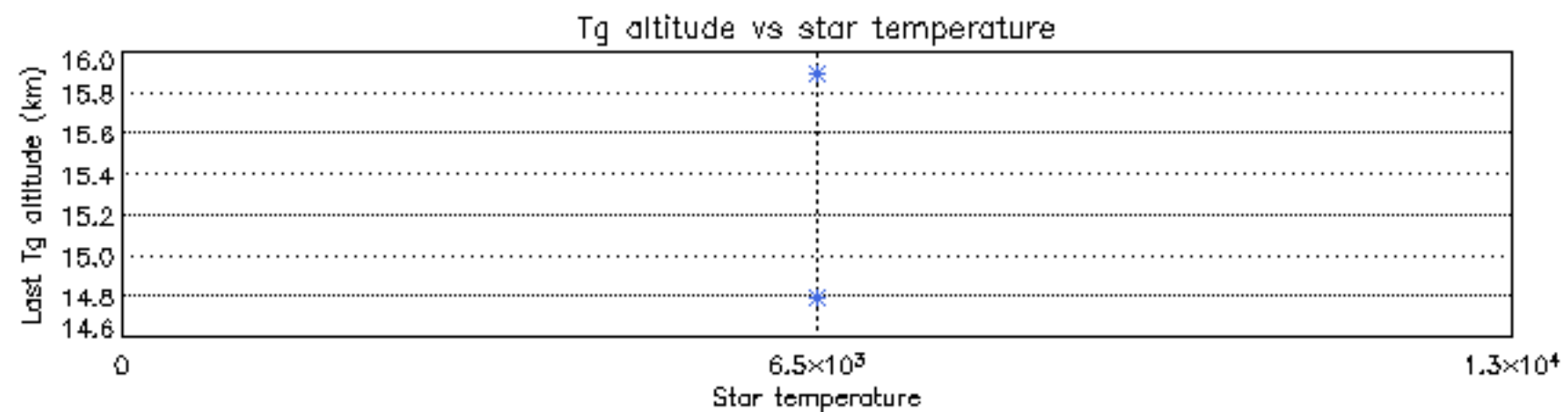
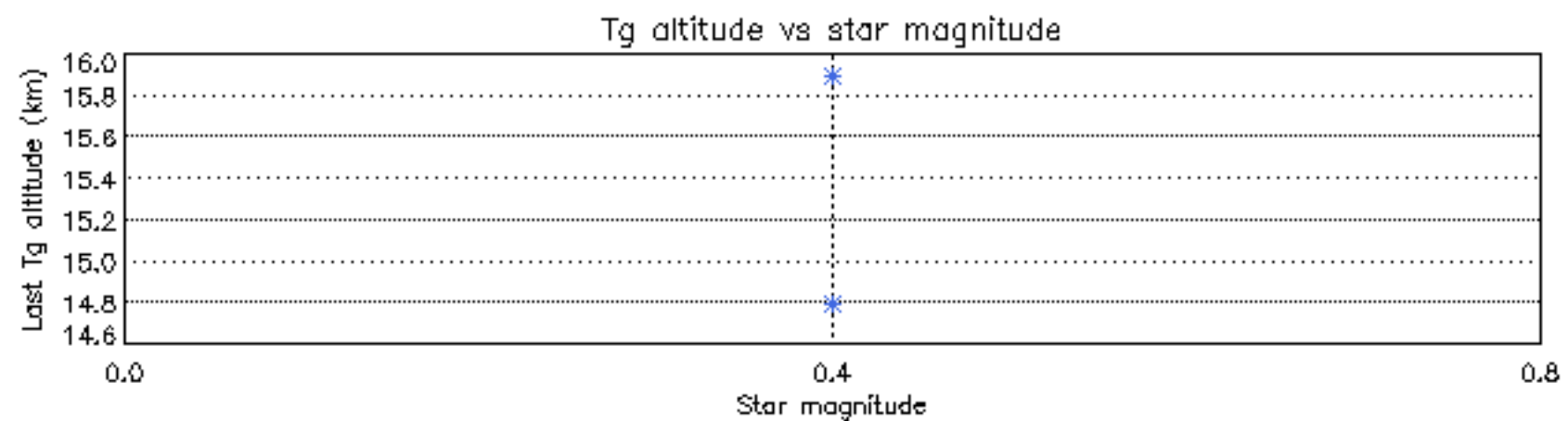
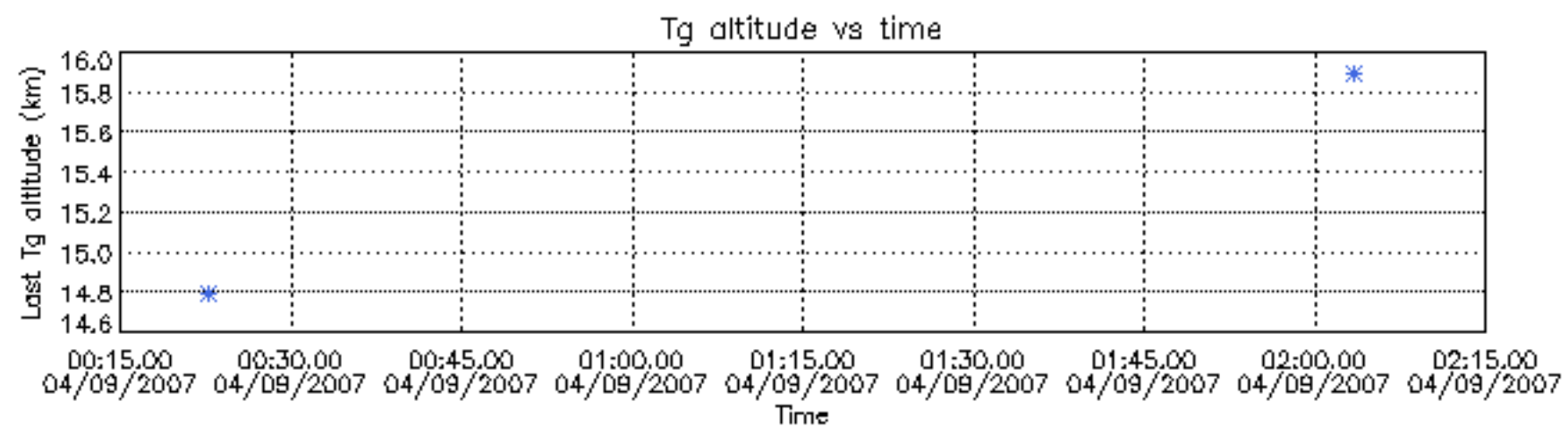
Tangent altitude at which the star is lost

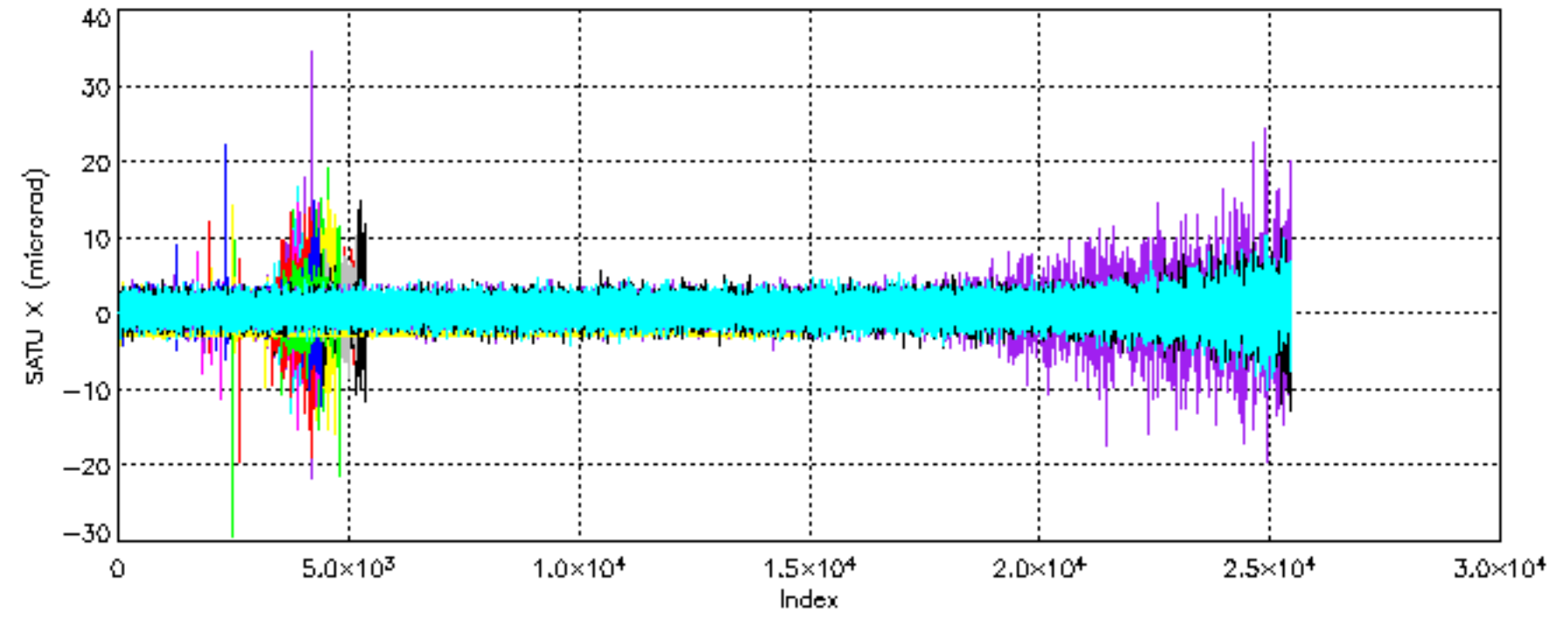


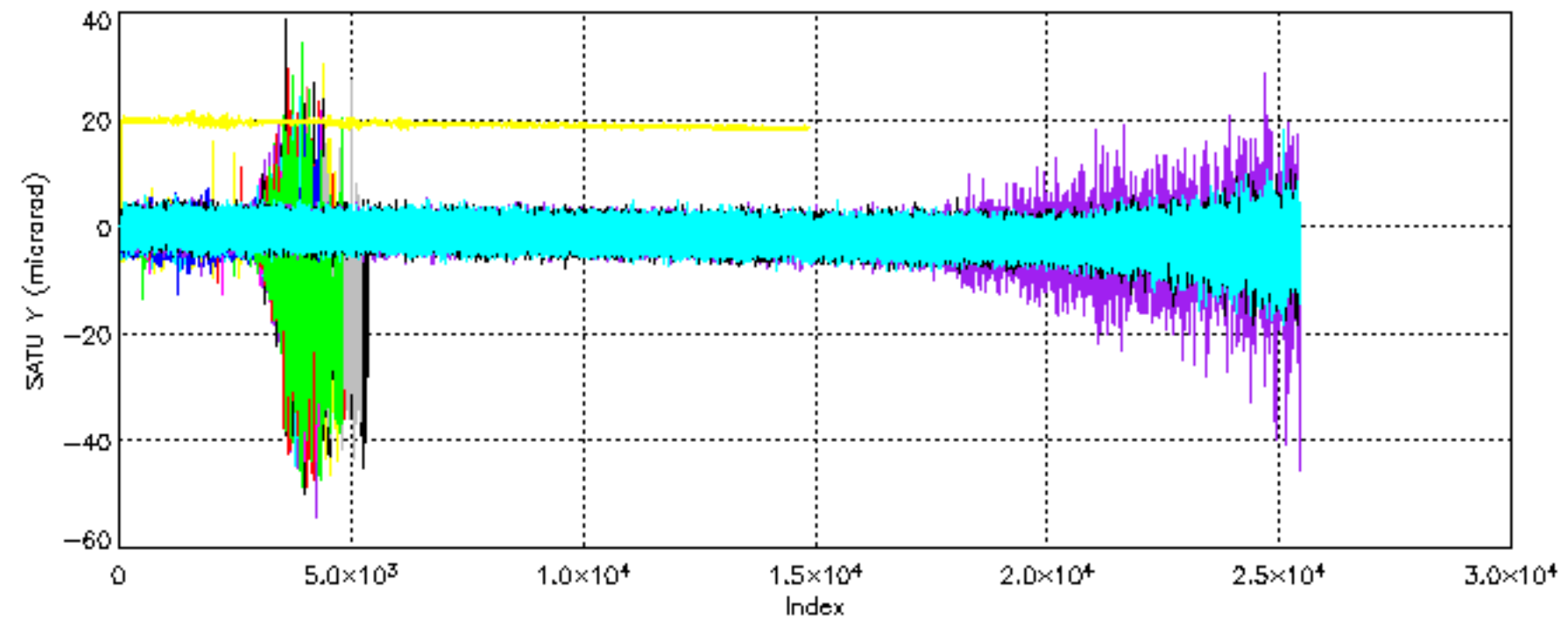
Tangent altitude at which the star is lost

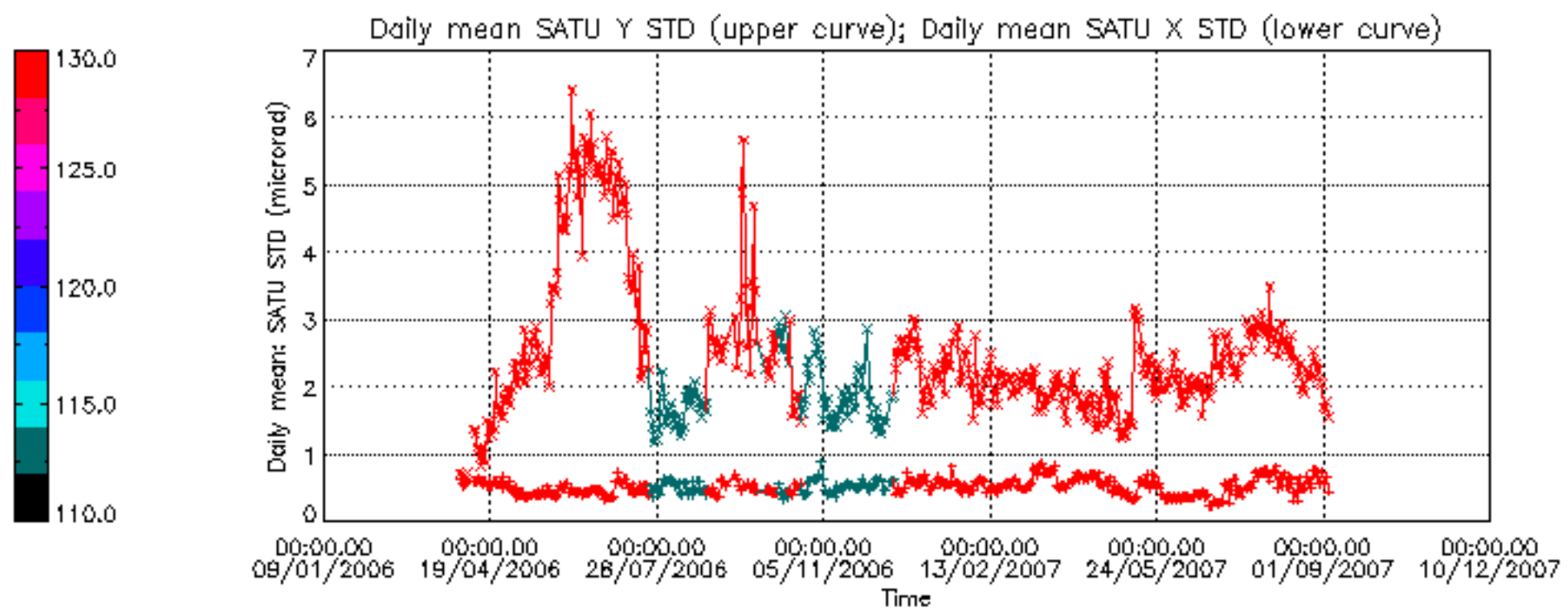


Tangent altitude at which the star is lost









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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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 2; -1425.0; 01-SEP-2007 03:32:15; Dark ; 47.5; 170; 27Eps Gem ; 3.00; 9700;occ; 95; 0;28772
 3; -1245.6; 01-SEP-2007 03:35:14; Dark ; 28.0; 44; 24Gam Gem ; 1.93; 11000;occ; 56; 0;28772
 4; -1122.8; 01-SEP-2007 03:37:17; Dark ; 46.5; 8; 10Alp CMi ; 0.40; 6500;occ; 93; 0;28772
 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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 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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 2; 1331.2; 01-SEP-2007 21:04:11; Dark ; 47.5; 18; 24Alp PsA ; 1.17; 9700;occ; 95; 0;28783
 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
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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
14; 4453.4; 01-SEP-2007 23:36:49; Bright; 49.5; 24; 66Alp Gem ; 1.58; 10200;occ; 99; 0;28784
15; 4613.8; 01-SEP-2007 23:39:29; Dark ; 50.5; 170; 27Eps Gem ; 3.00; 9700;occ; 101; 0;28784
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 3; -390.1; 01-SEP-2007 23:56:41; Dark ; 40.5; 177; 1Zet CMA ; 3.02; 26000;occ; 81; 0;28784
 4; -295.5; 01-SEP-2007 23:58:16; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;28784
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 6; 531.5; 02-SEP-2007 00:12:03; Dark ; 39.5; 143; Alp Hyi ; 2.86; 7200;occ; 79; 0;28785
 7; 609.0; 02-SEP-2007 00:13:20; Dark ; 54.0; 9; Alp Eri ; 0.45; 24000;occ; 108; 0;28785
 8; 1053.3; 02-SEP-2007 00:20:44; Dark ; 45.5; 63; Bet Gru ; 2.15; 2800;occ; 91; 0;28785
 9; 1331.7; 02-SEP-2007 00:25:23; Dark ; 46.0; 18; 24Alp PsA ; 1.17; 9700;occ; 92; 0;28785
10; 1620.5; 02-SEP-2007 00:30:12; Dark ; 43.5; 142; 49Del Cap ; 2.85; 8900;occ; 87; 0;28785
11; 1808.1; 02-SEP-2007 00:33:19; Bright; 38.0; 154; 22Bet Aqr ; 2.90; 5700;occ; 76; 0;28785
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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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 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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 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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 5; 539.3; 02-SEP-2007 23:40:33; Dark ; 39.5; 143; Alp Hyi ; 2.86; 7200;occ; 79; 0;28799
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 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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/nas3/ENVISAT/GOMOS/GOM_NL__0P/GOM_NL__0PNPDK20070928_133414_000053772062_00053_29165_8973.N1

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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