

GOMOS Daily Report 19-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	20SEP2007 08:53:51
Data source version	GOMOS/5.00
Start time of products	19-09-2007 (19SEP2007 00:00:00)
Stop time of products	20-09-2007 (20SEP2007 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)

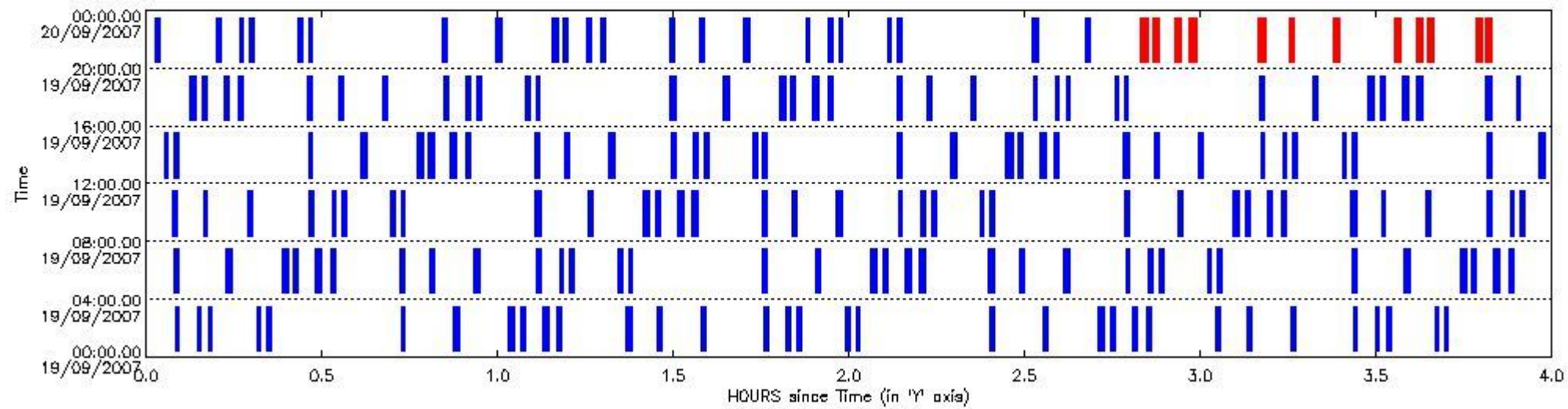
2.1 Level 0 products arrived in PCF (see template [here](#))

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).



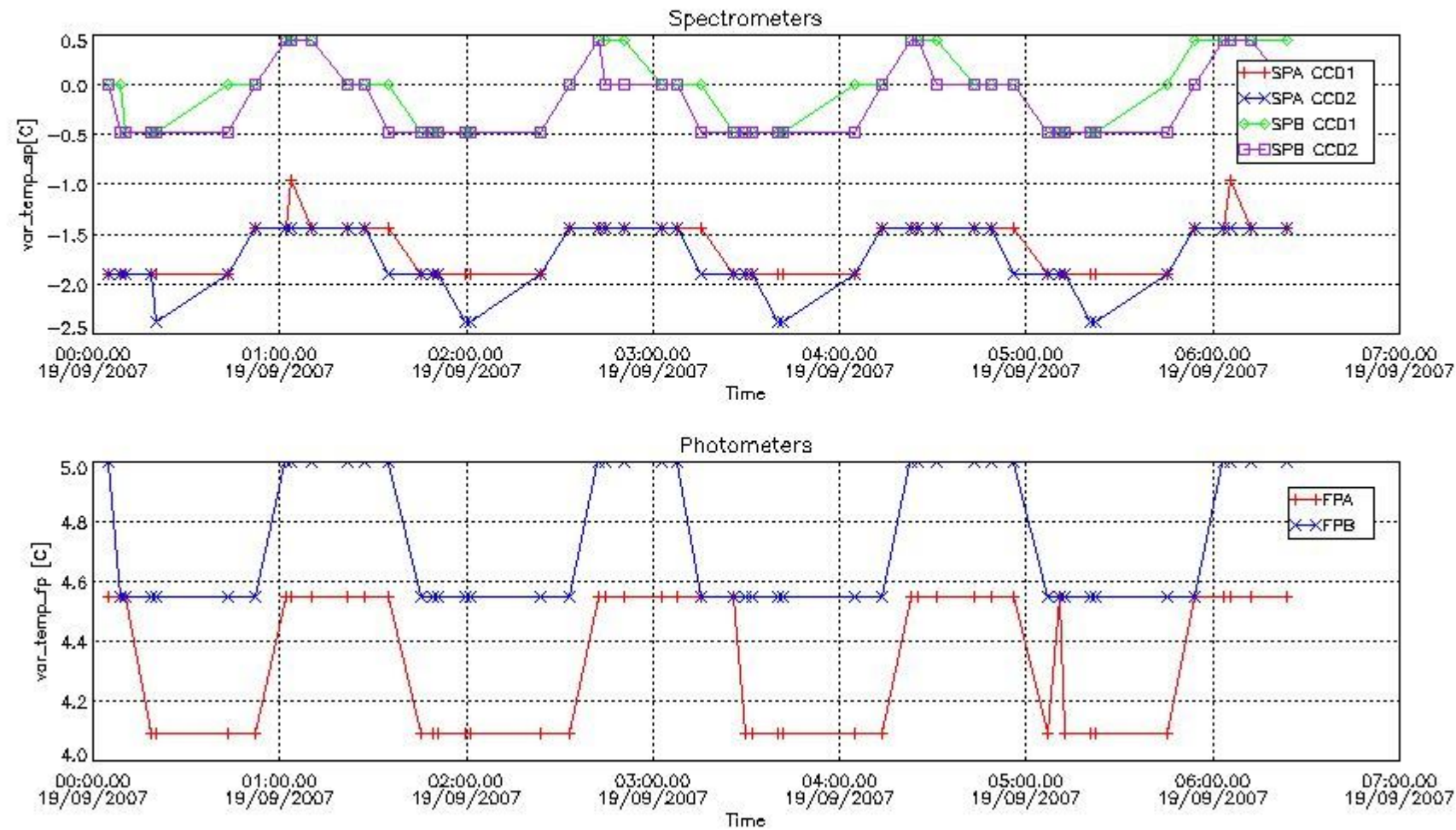
2.3 Summary of missing occultations (red segments in previous plot)

UTC start time	Star name	Star ID	Orbit
19-SEP-2007 22:49:49	9AlpCMa	1	29041
19-SEP-2007 22:51:49	21EpsCMa	23	29041
19-SEP-2007 22:55:36	DSA1059	0	29041
19-SEP-2007 22:58:08	AlpCol	108	29042
19-SEP-2007 23:09:55	The1Eri	157	29042
19-SEP-2007 23:15:06	AlpPhe	84	29042
19-SEP-2007 23:22:33	16BetCet	52	29042
19-SEP-2007 23:33:11	54AlpPeg	90	29042
19-SEP-2007 23:36:59	53BetPeg	93	29042
19-SEP-2007 23:38:43	21AlpAnd	58	29042
19-SEP-2007 23:47:04	11BetCas	74	29042
19-SEP-2007 23:48:46	27GamCas	76	29042

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_1PNPDE20070919_000453_000000392061_00417_29028_3030.N1	19-SEP-2007 00:04:53	Bright	38.500	90	54Alp Peg	2.4870	11000.	77	29028	No
2	GOM_TRA_1PNPDE20070919_000842_000000372061_00417_29028_3031.N1	19-SEP-2007 00:08:42	Bright	37.000	93	53Bet Peg	2.5200	3100.0	74	29028	No
3	GOM_TRA_1PNPDE20070919_001032_000000442061_00417_29028_3032.N1	19-SEP-2007 00:10:32	Bright	43.500	58	21Alp And	2.0730	11000.	87	29028	No
4	GOM_TRA_1PNPDE20070919_001851_000000392061_00417_29028_3033.N1	19-SEP-2007 00:18:51	Bright	38.500	74	11Bet Cas	2.2680	6600.0	77	29028	No
5	GOM_TRA_1PNPDE20070919_002034_000000412061_00417_29028_3034.N1	19-SEP-2007 00:20:34	Bright	41.000	76	27Gam Cas	2.3000	30000.	82	29028	No
6	GOM_TRA_1PNPDE20070919_004326_000000452061_00417_29028_3035.N1	19-SEP-2007 00:43:26	Bright	44.500	24	66Alp Gem	1.5800	10200.	89	29028	No
7	GOM_TRA_1PNPDE20070919_005223_000000622061_00417_29028_3036.N1	19-SEP-2007 00:52:23	Dark	61.500	8	10Alp CMi	0.40000	6500.0	123	29028	No
8	GOM_TRA_1PNPDE20070919_010150_000000632061_00417_29028_3166.N1	19-SEP-2007 01:01:50	Dark	63.000	1	9Alp CMa	-1.4400	11000.	126	29028	No
9	GOM_TRA_1PNPDE20070919_010354_000000502061_00417_29028_3167.N1	19-SEP-2007 01:03:54	Dark	49.500	23	21Eps CMa	1.5020	26000.	99	29028	No
10	GOM_TRA_1PNPDE20070919_011008_000000522061_00418_29029_3168.N1	19-SEP-2007 01:10:08	Dark	52.000	108	Alp Col	2.6520	15200.	104	29029	No
11	GOM_TRA_1PNPDE20070919_012159_000000562061_00418_29029_3169.N1	19-SEP-2007 01:21:59	Dark	55.500	157	The1Eri	2.9060	9300.0	111	29029	No
12	GOM_TRA_1PNPDE20070919_012718_000000462061_00418_29029_3170.N1	19-SEP-2007 01:27:18	Straylight	46.000	84	Alp Phe	2.3970	4500.0	92	29029	No
13	GOM_TRA_1PNPDE20070919_013448_000000522061_00418_29029_3171.N1	19-SEP-2007 01:34:48	Twi_and_stray	51.500	52	16Bet Cet	2.0370	4500.0	103	29029	No
14	GOM_TRA_1PNPDE20070919_014529_000000392061_00418_29029_3172.N1	19-SEP-2007 01:45:29	Bright	39.000	90	54Alp Peg	2.4870	11000.	78	29029	No
15	GOM_TRA_1PNPDE20070919_014918_000000392061_00418_29029_3173.N1	19-SEP-2007 01:49:18	Bright	39.000	93	53Bet Peg	2.5200	3100.0	78	29029	No
16	GOM_TRA_1PNPDE20070919_015107_000000472061_00418_29029_3174.N1	19-SEP-2007 01:51:07	Bright	47.000	58	21Alp And	2.0730	11000.	94	29029	No
17	GOM_TRA_1PNPDE20070919_015926_000000412061_00418_29029_3175.N1	19-SEP-2007 01:59:26	Bright	40.500	74	11Bet Cas	2.2680	6600.0	81	29029	No
18	GOM_TRA_1PNPDE20070919_020110_000000422061_00418_29029_3176.N1	19-SEP-2007 02:01:10	Bright	42.000	76	27Gam Cas	2.3000	30000.	84	29029	No
19	GOM_TRA_1PNPDE20070919_022402_000000472061_00418_29029_3305.N1	19-SEP-2007 02:24:02	Bright	47.000	24	66Alp Gem	1.5800	10200.	94	29029	No
20	GOM_TRA_1PNPDE20070919_023259_000000582061_00418_29029_3306.N1	19-SEP-2007 02:32:59	Dark	58.000	8	10Alp CMi	0.40000	6500.0	116	29029	No
21	GOM_TRA_1PNPDE20070919_024228_000000612061_00418_29029_3307.N1	19-SEP-2007 02:42:28	Dark	60.500	1	9Alp CMa	-1.4400	11000.	121	29029	No
22	GOM_TRA_1PNPDE20070919_024431_000000502061_00418_29029_3308.N1	19-SEP-2007 02:44:31	Dark	50.000	23	21Eps CMa	1.5020	26000.	100	29029	No
23	GOM_TRA_1PNPDE20070919_025045_000000542061_00419_29030_3309.N1	19-SEP-2007 02:50:45	Dark	54.000	108	Alp Col	2.6520	15200.	108	29030	No
24	GOM_TRA_1PNPDE20070919_030236_000000552061_00419_29030_3310.N1	19-SEP-2007 03:02:36	Dark	54.500	157	The1Eri	2.9060	9300.0	109	29030	No
25	GOM_TRA_1PNPDE20070919_030754_000000462061_00419_29030_3311.N1	19-SEP-2007 03:07:54	Straylight	46.000	84	Alp Phe	2.3970	4500.0	92	29030	No
26	GOM_TRA_1PNPDE20070919_031524_000000562061_00419_29030_3312.N1	19-SEP-2007 03:15:24	Twi_and_stray	56.000	52	16Bet Cet	2.0370	4500.0	112	29030	No
27	GOM_TRA_1PNPDE20070919_032605_000000392061_00419_29030_3313.N1	19-SEP-2007 03:26:05	Bright	38.500	90	54Alp Peg	2.4870	11000.	77	29030	No
28	GOM_TRA_1PNPDE20070919_032954_000000392061_00419_29030_3314.N1	19-SEP-2007 03:29:54	Bright	39.000	93	53Bet Peg	2.5200	3100.0	78	29030	No
29	GOM_TRA_1PNPDE20070919_033143_000000472061_00419_29030_3315.N1	19-SEP-2007 03:31:43	Bright	46.500	58	21Alp And	2.0730	11000.	93	29030	No
30	GOM_TRA_1PNPDE20070919_034002_000000412061_00419_29030_3316.N1	19-SEP-2007 03:40:02	Bright	40.500	74	11Bet Cas	2.2680	6600.0	81	29030	No
31	GOM_TRA_1PNPDE20070919_034145_000000372061_00419_29030_3317.N1	19-SEP-2007 03:41:45	Bright	37.000	76	27Gam Cas	2.3000	30000.	74	29030	No
32	GOM_TRA_1PNPDE20070919_040438_000000462061_00419_29030_3439.N1	19-SEP-2007 04:04:38	Bright	45.500	24	66Alp Gem	1.5800	10200.	91	29030	No
33	GOM_TRA_1PNPDE20070919_041336_000000602061_00419_29030_3440.N1	19-SEP-2007 04:13:36	Dark	59.500	8	10Alp CMi	0.40000	6500.0	119	29030	No
34	GOM_TRA_1PNPDE20070919_042305_000000662061_00419_29030_3441.N1	19-SEP-2007 04:23:05	Dark	66.000	1	9Alp CMa	-1.4400	11000.	132	29030	No
35	GOM_TRA_1PNPDE20070919_042508_000000472061_00419_29030_3442.N1	19-SEP-2007 04:25:08	Dark	47.000	23	21Eps CMa	1.5020	26000.	94	29030	No
36	GOM_TRA_1PNPDE20070919_043122_000000542061_00420_29031_3443.N1	19-SEP-2007 04:31:22	Dark	53.500	108	Alp Col	2.6520	15200.	107	29031	No
37	GOM_TRA_1PNPDE20070919_044313_000000542061_00420_29031_3444.N1	19-SEP-2007 04:43:13	Dark	54.000	157	The1Eri	2.9060	9300.0	108	29031	No
38	GOM_TRA_1PNPDE20070919_044830_000000422061_00420_29031_3445.N1	19-SEP-2007 04:48:30	Straylight	42.000	84	Alp Phe	2.3970	4500.0	84	29031	No
39	GOM_TRA_1PNPDE20070919_045600_000000582061_00420_29031_3446.N1	19-SEP-2007 04:56:00	Twi_and_stray	57.500	52	16Bet Cet	2.0370	4500.0	115	29031	No
40	GOM_TRA_1PNPDE20070919_050641_000000382061_00420_29031_3447.N1	19-SEP-2007 05:06:41	Bright	38.000	90	54Alp Peg	2.4870	11000.	76	29031	No
41	GOM_TRA_1PNPDE20070919_051030_000000392061_00420_29031_3448.N1	19-SEP-2007 05:10:30	Bright	39.000	93	53Bet Peg	2.5200	3100.0	78	29031	No
42	GOM_TRA_1PNPDE20070919_051218_000000462061_00420_29031_3449.N1	19-SEP-2007 05:12:18	Bright	45.500	58	21Alp And	2.0730	11000.	91	29031	No
43	GOM_TRA_1PNPDE20070919_052037_000000392061_00420_29031_3450.N1	19-SEP-2007 05:20:37	Bright	39.000	74	11Bet Cas	2.2680	6600.0	78	29031	No
44	GOM_TRA_1PNPDE20070919_052220_000000422061_00420_29031_3451.N1	19-SEP-2007 05:22:20	Bright	41.500	76	27Gam Cas	2.3000	30000.	83	29031	No
45	GOM_TRA_1PNPDE20070919_054514_000000452061_00420_29031_3591.N1	19-SEP-2007 05:45:14	Bright	44.500	24	66Alp Gem	1.5800	10200.	89	29031	No
46	GOM_TRA_1PNPDE20070919_055412_000000552061_00420_29031_3592.N1	19-SEP-2007 05:54:12	Dark	55.000	8	10Alp CMi	0.40000	6500.0	110	29031	No
47	GOM_TRA_1PNPDE20070919_060342_000000662061_00420_29031_3593.N1	19-SEP-2007 06:03:42	Dark	65.500	1	9Alp CMa	-1.4400	11000.	131	29031	No
48	GOM_TRA_1PNPDE20070919_060545_000000512061_00420_29031_3594.N1	19-SEP-2007 06:05:45	Dark	50.500	23	21Eps CMa	1.5020	26000.	101	29031	No
49	GOM_TRA_1PNPDE20070919_061159_000000552061_00421_29032_3595.N1	19-SEP-2007 06:11:59	Dark	55.000	108	Alp Col	2.6520	15200.	110	29032	No
50	GOM_TRA_1PNPDE20070919_062350_000000542061_00421_29032_3596.N1	19-SEP-2007 06:23:50	Dark	54.000	157	The1Eri	2.9060	9300.0	108	29032	No

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



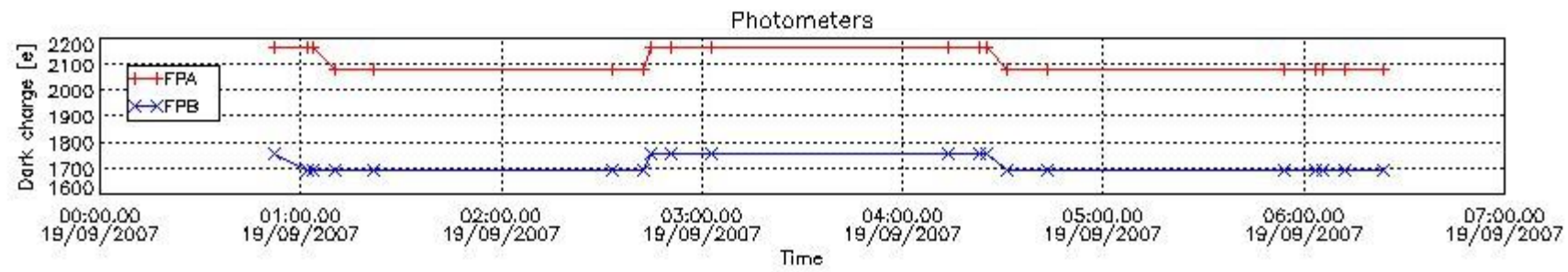
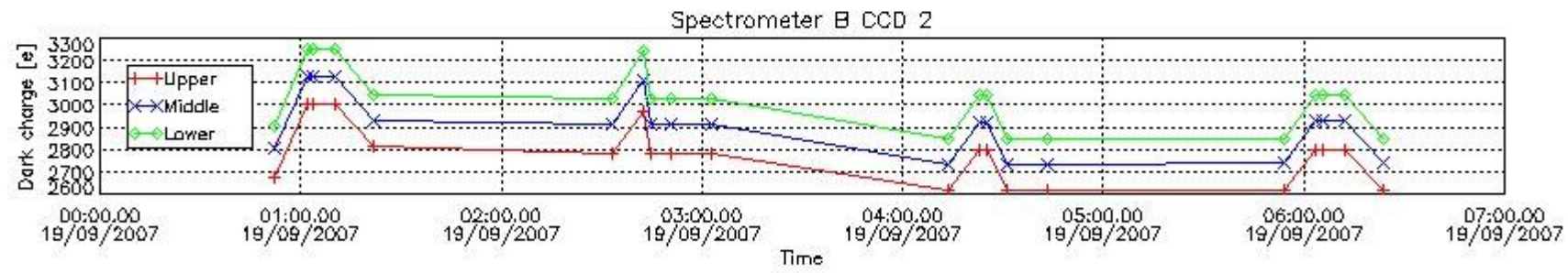
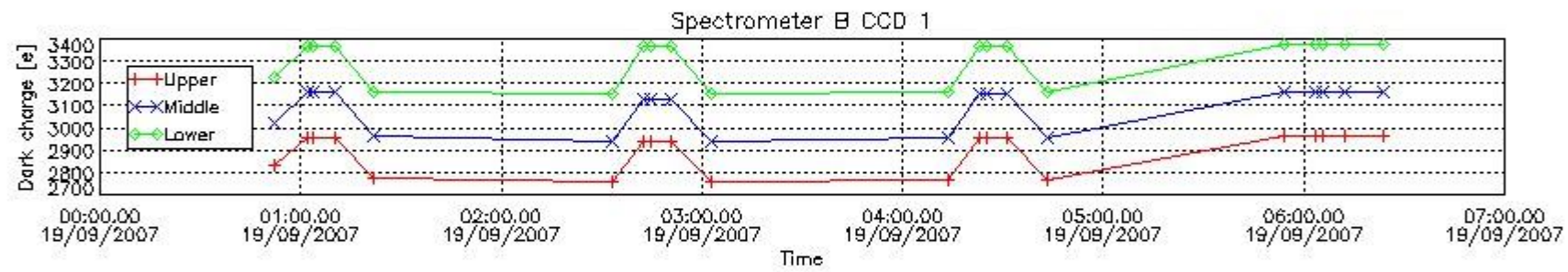
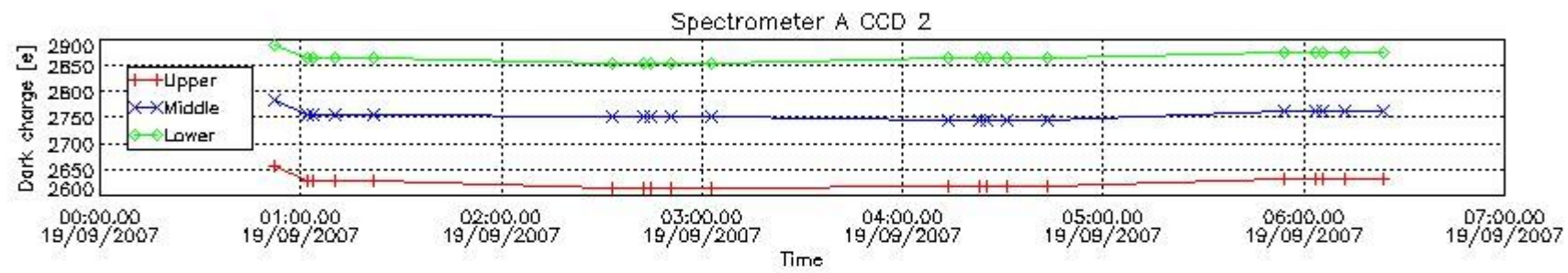
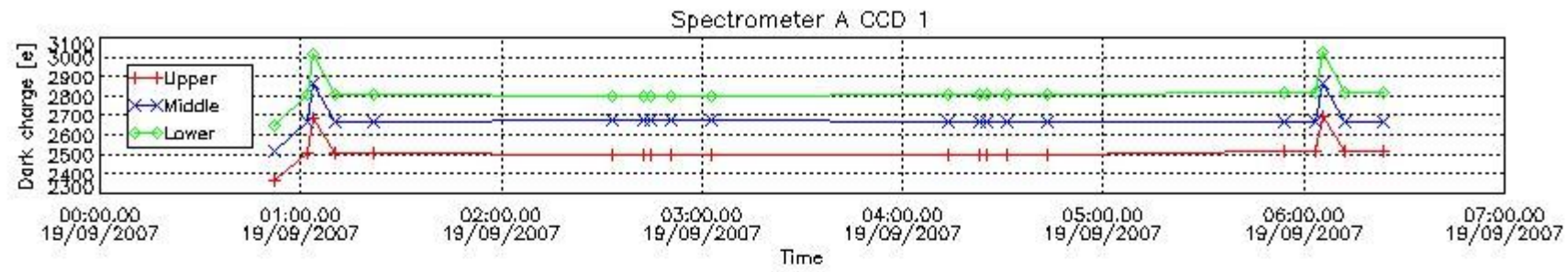
4. Overview of dark signal processing per product

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



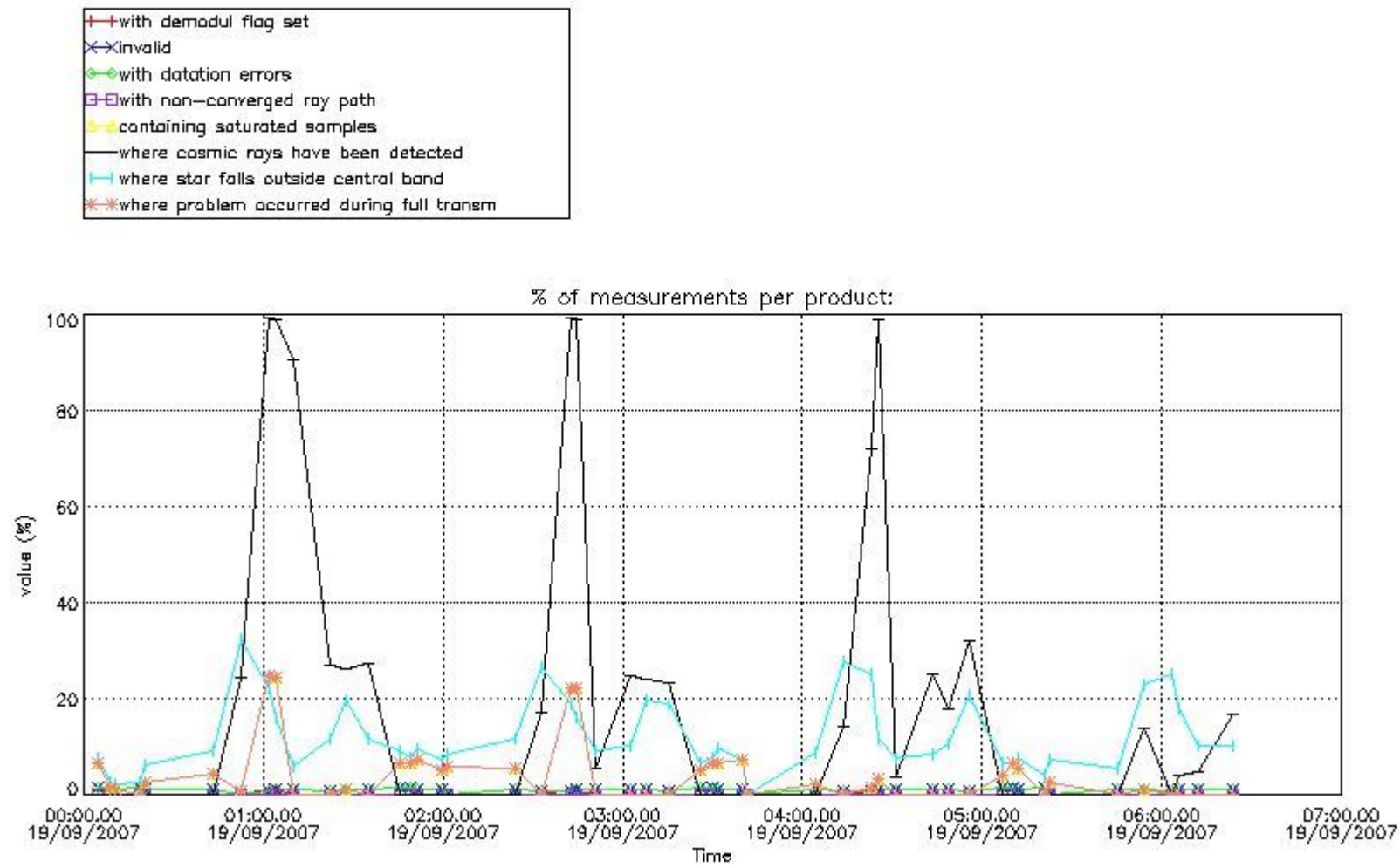
5. Demodulation flag and quality information monitoring

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.

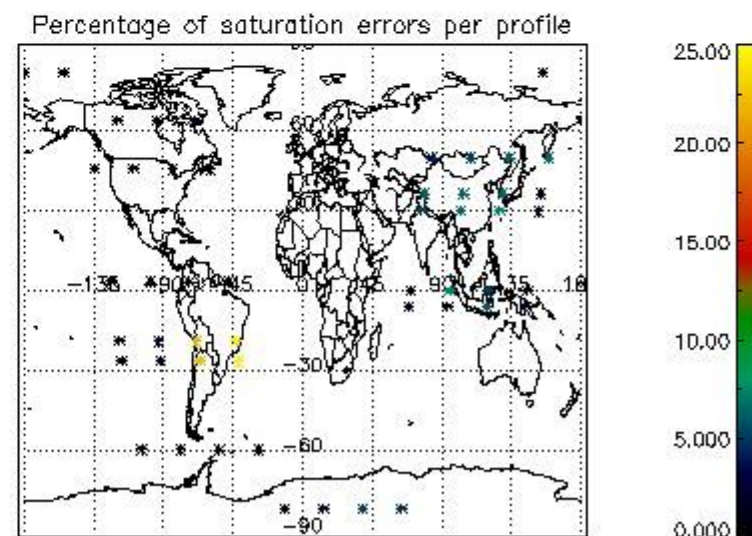
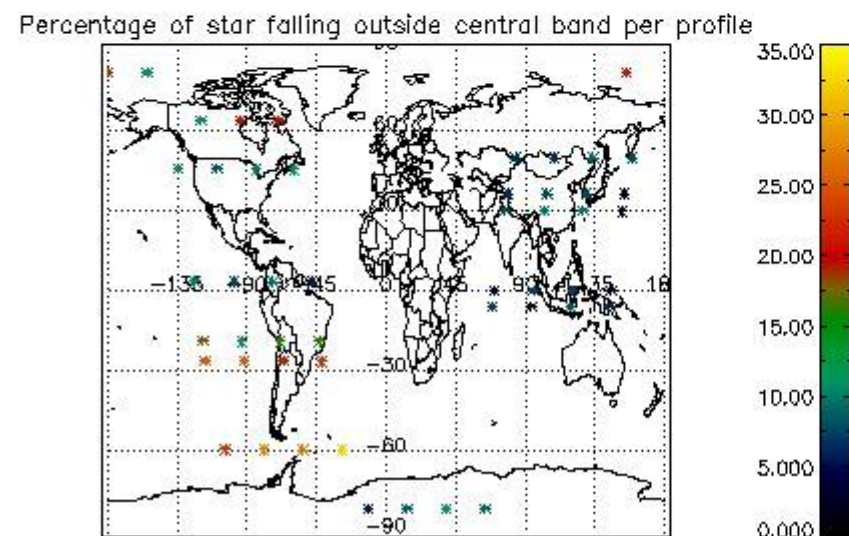
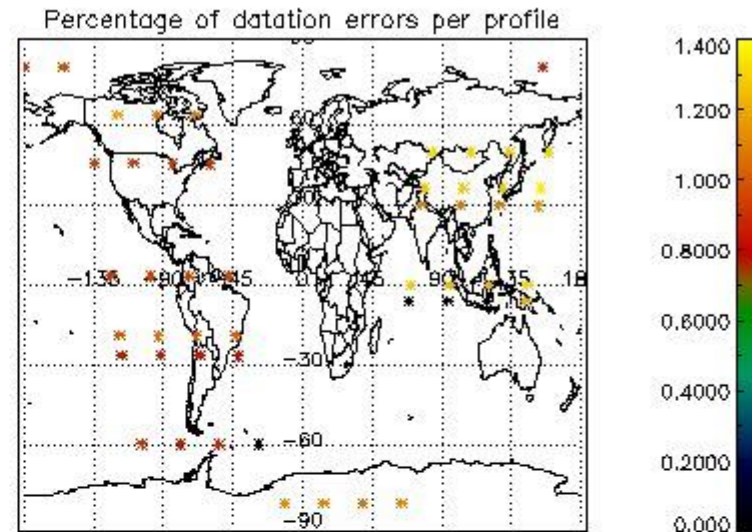
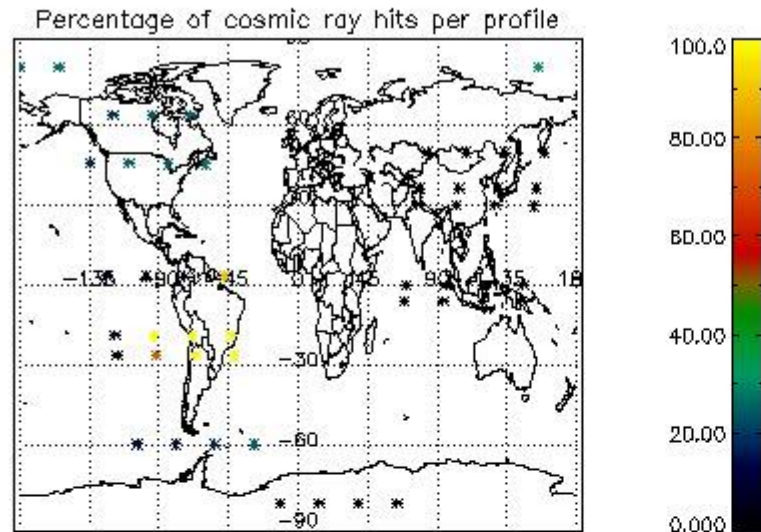
5.1 Percentage of products during reporting period with:

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)



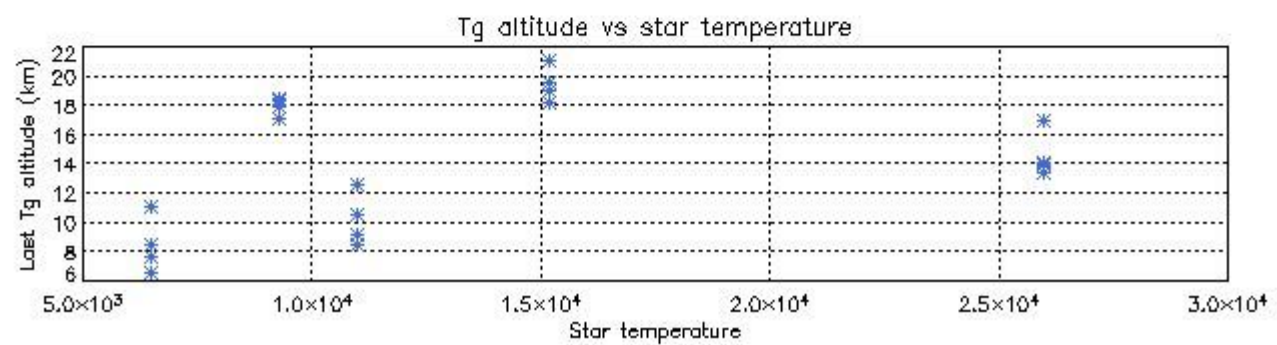
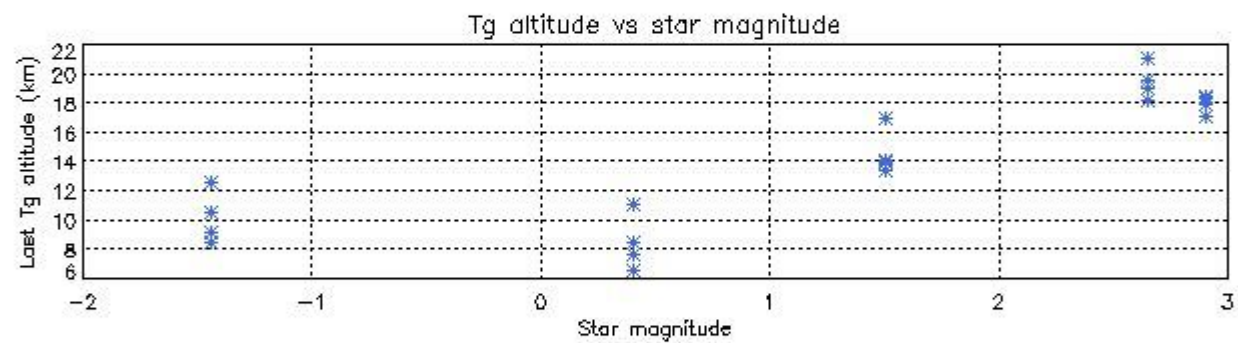
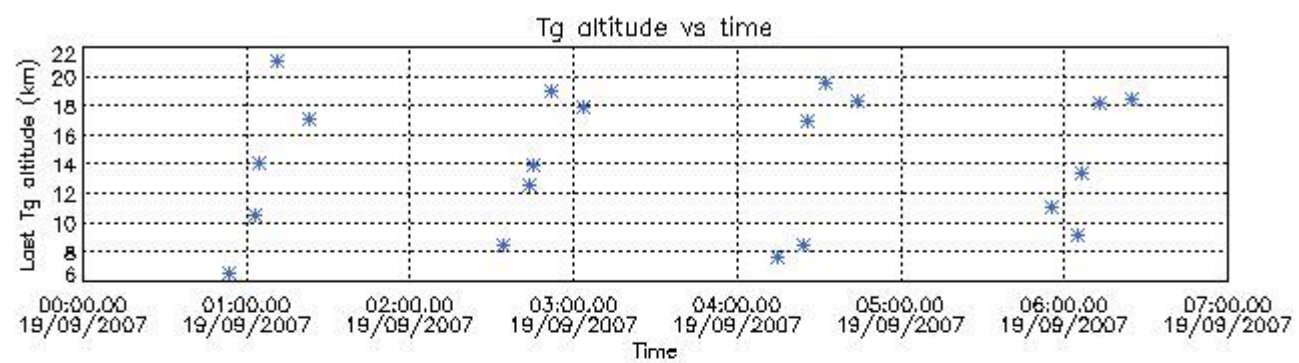
6. Statistics and plot of tangent altitude of the last measurement (DARK & BRIGHT products without errors)

6.1 Statistics on tangent altitude lost:

Statistics	DARK	BRIGHT	TWILIGHT
Mean:	14.112	21.086	NaN
St. deviation:	4.5819	2.9614	NaN
Maximum:	21.097	31.864	NaN
Minimum:	6.4886	16.229	NaN
Number of data:	20.000	24.000	NaN

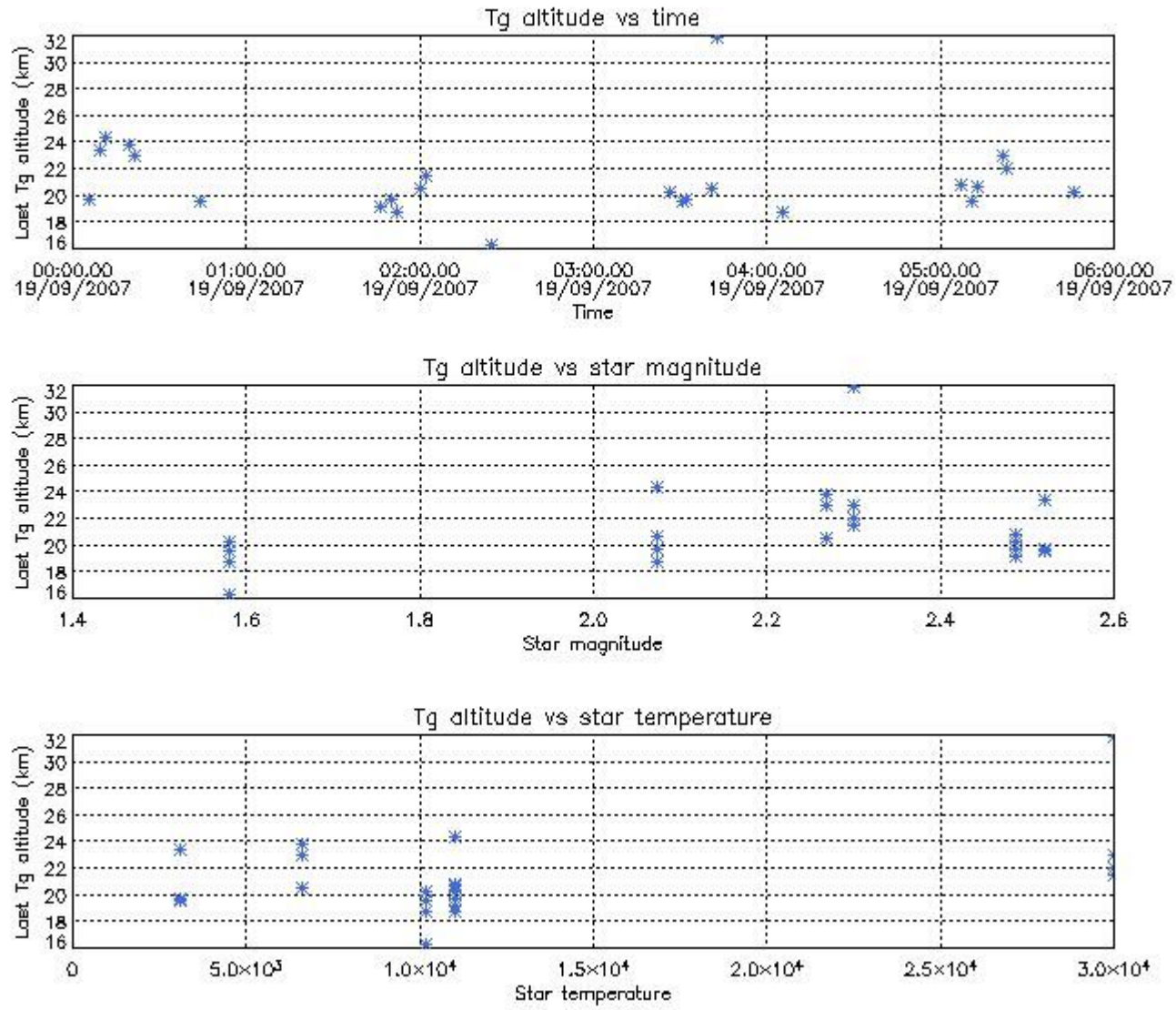
6.2 Plot for DARK limb products

Tangent altitude at which the star is lost



6.3 Plot for BRIGHT limb products

Tangent altitude at which the star is lost

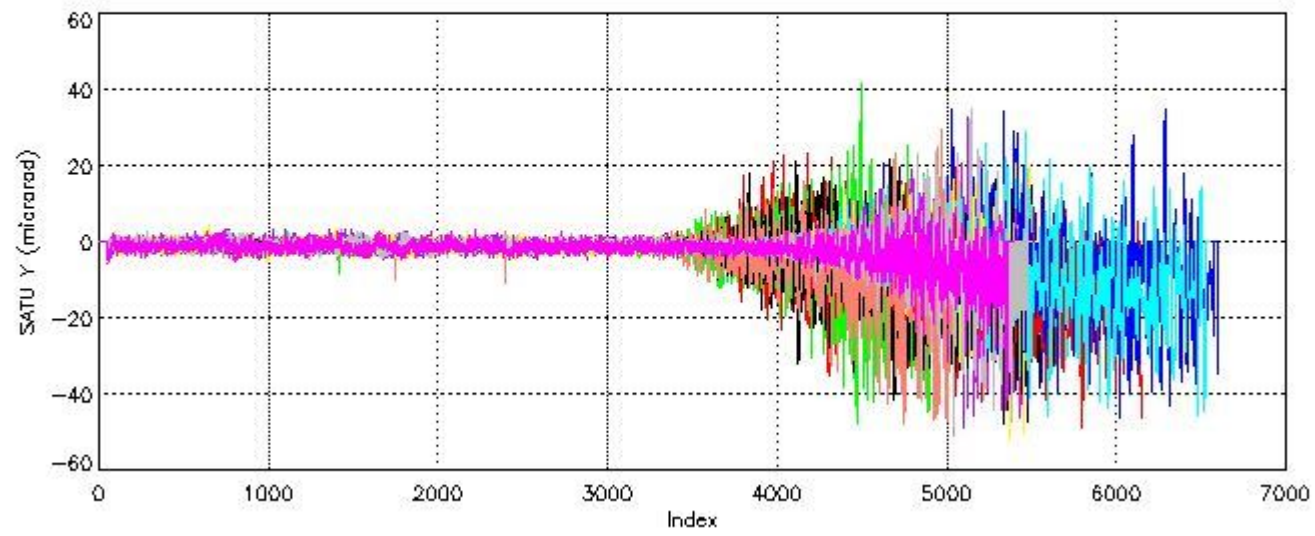
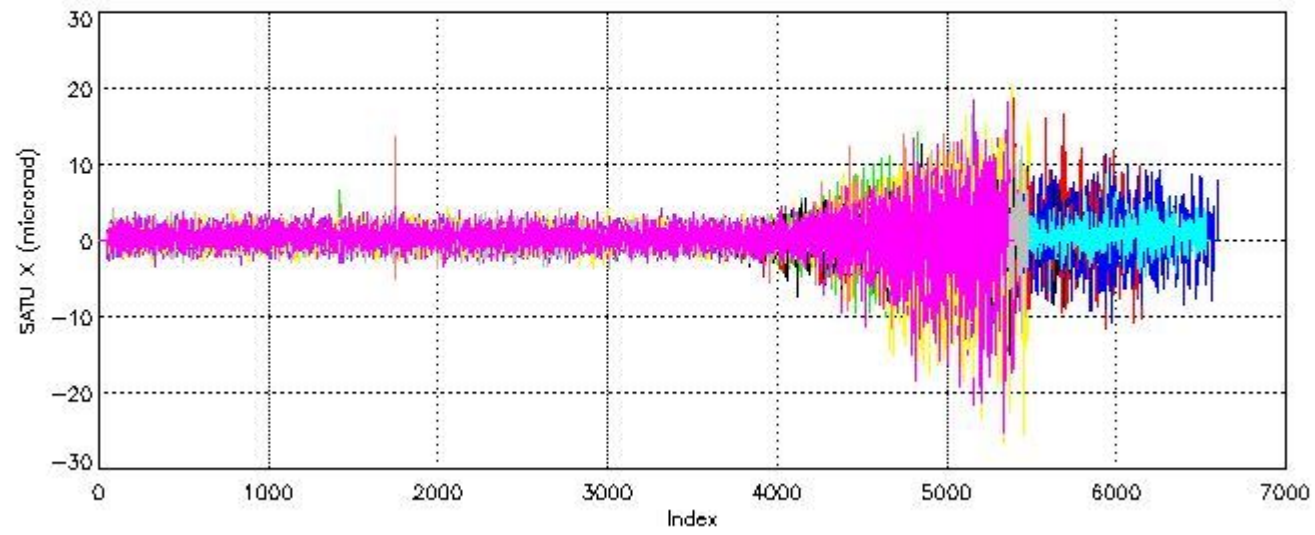


7. Star Acquisition and Tracking Unit (SATU)

The Star Acquisition and Tracking Unit (SATU) analyses the position of the tracked star beam collected by the GOMOS telescope and deflected by the optical beam dispatcher. The main function of the SATU is to detect a star, provide its image position to the science data electronics and to help the pointing function to keep the star image at a fixed position. In tracking mode the SATU data is recorded with a frequency of 100 Hz.

7.1 SATU 'X' and 'Y' axis plots (dark limb)

SATU CCD 'X' and 'Y' axis plots are provided in order to detect any abnormal behaviour of the tracking system. For every occultation (color) the plot should remain stable (with some noise) until we are deep in the atmosphere where big fluctuations are registered due to the refractive effects.



7.2 Statistics on SATU Noise Equivalent Angle (NEA) for DARK (D) and BRIGHT (B) products above 105 kms

The Star Acquisition and Tracking Unit (it is the CCD that tracks the star while it is occulted) Noise Equivalent Angle consists of the statistical angular variation of the SATU data above the atmosphere.

Statistics (in microradians) above 105 km are computed for every occultation, giving four values per occultation: one in the 'X' direction and one in the 'Y' direction for dark and bright limbs. A mean value per day in every direction and limb is calculated and monitored in order to assess instrument performance in terms of star pointing.

7.2.1 SATU NEA Statistics (table)

Statistics	SATU X (D)	SATU Y (D)	SATU X (B)	SATU Y (B)
Mean:	0.29931	-1.0033	0.25359	-1.1270
St. deviation:	0.54747	0.87483	0.69618	1.0441
Maximum:	4.2000	4.0000	4.3000	3.4000
Minimum:	-3.3000	-5.9000	-8.6000	-5.8000

Number of data:	24400.	24400.	22950.	22950.
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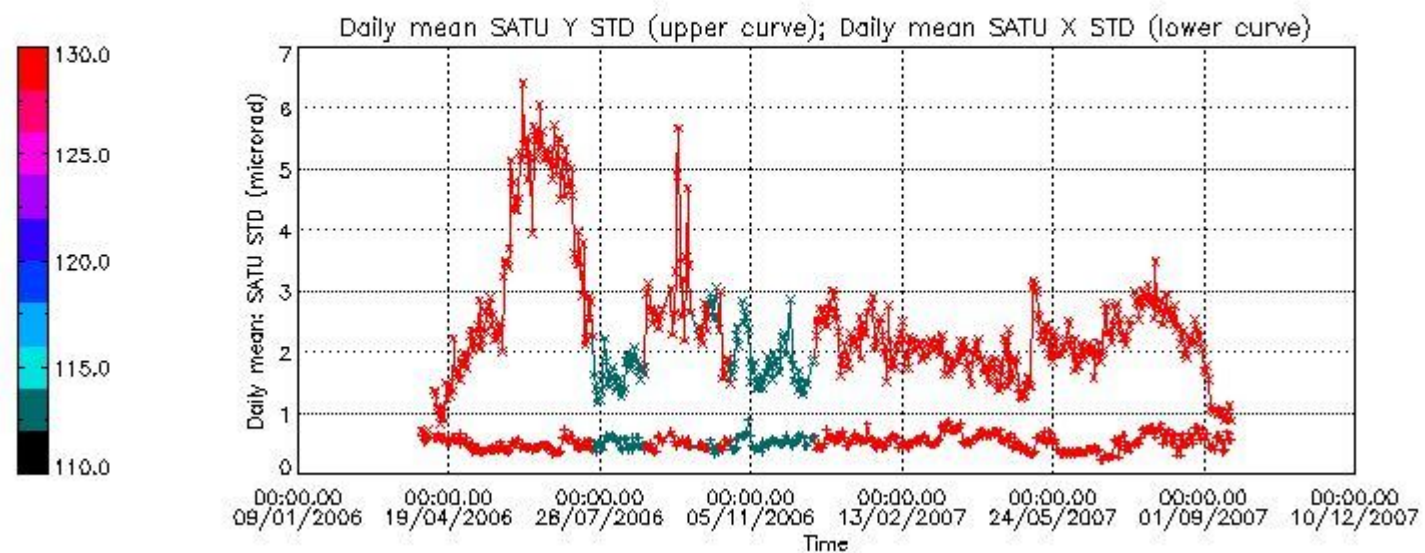
7.2.2 Trend of daily SATU NEA St. deviation since 1st April 2006 (dark limb)

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

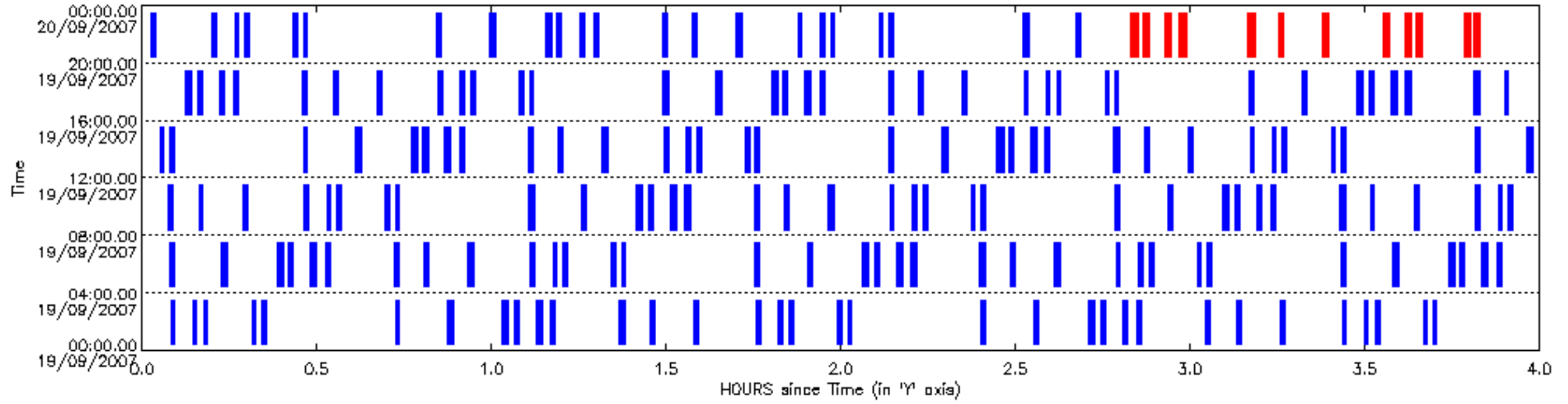
Lower curve: STD of SATU X axis

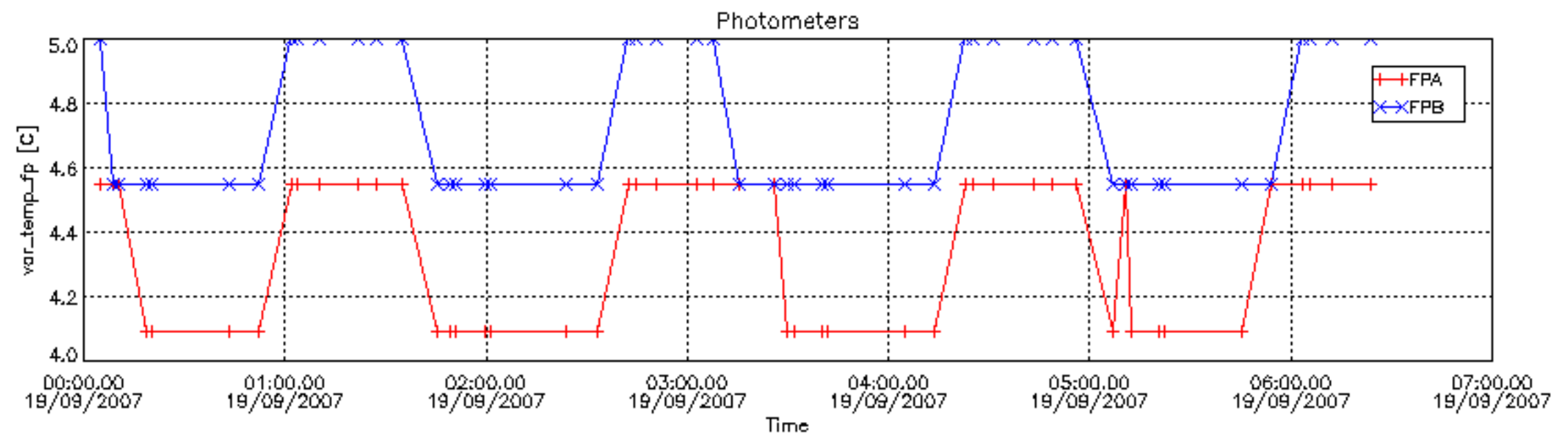
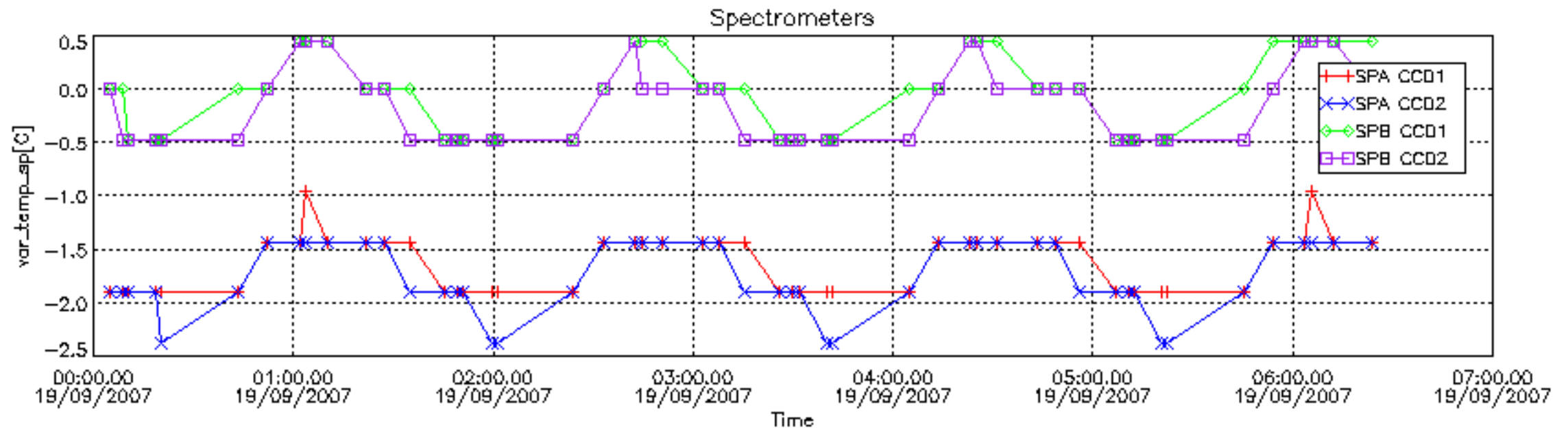


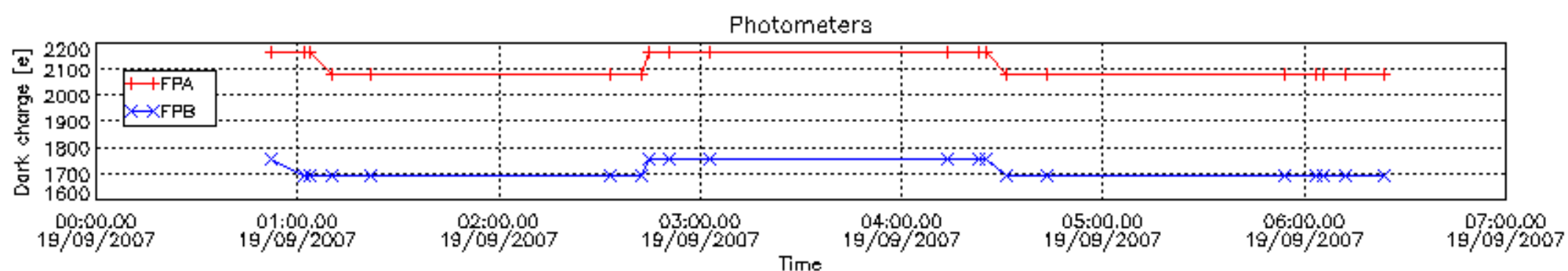
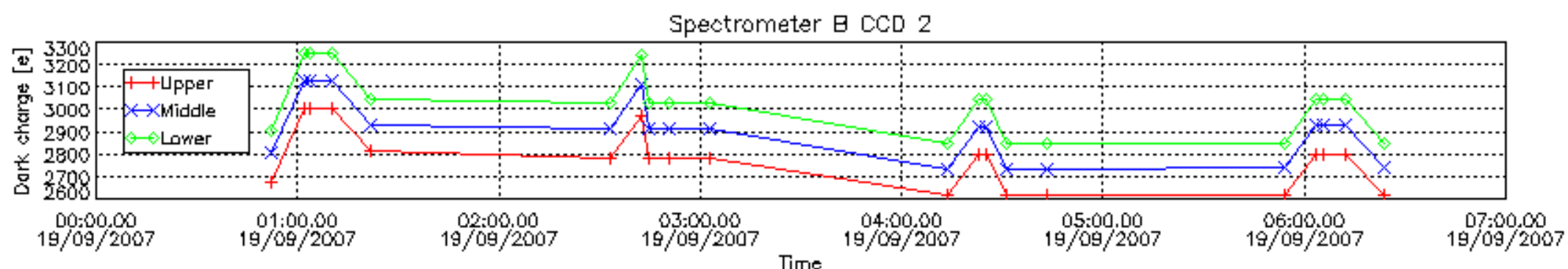
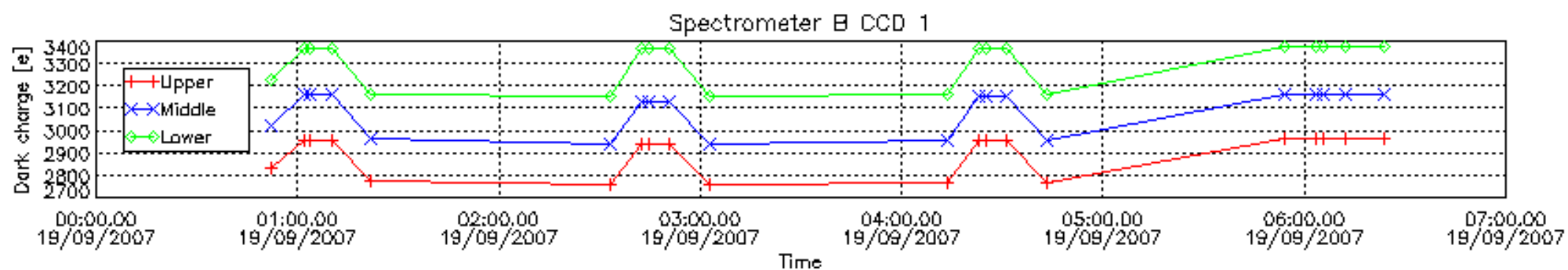
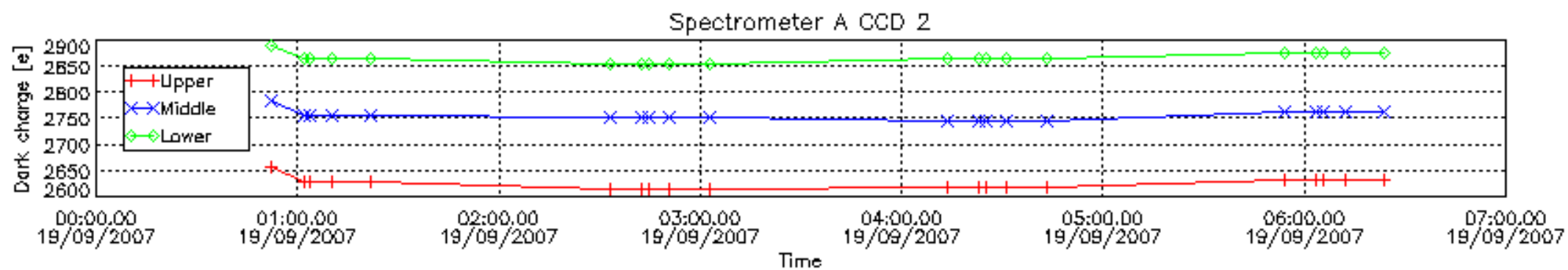
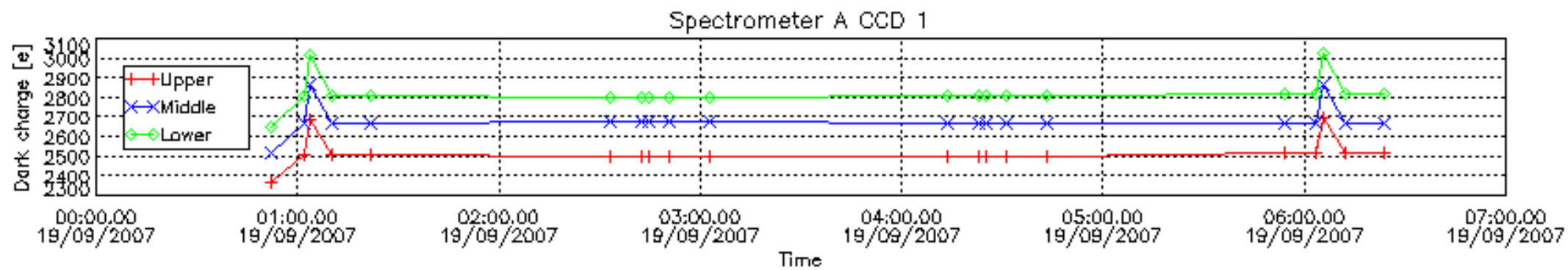
8. Auxiliary Data Files used for the production reported in section 2.4

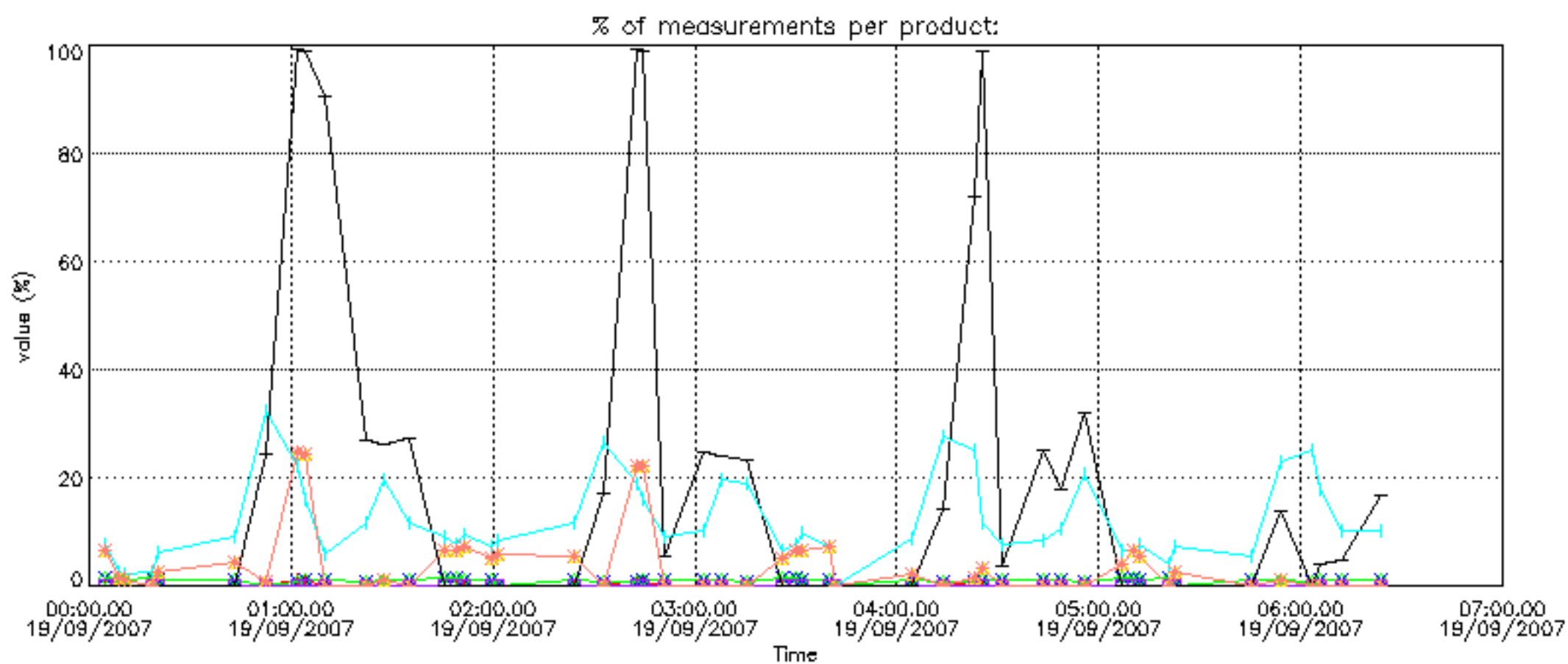
The number reported in the third column indicates since which file (see list in section 2.4) the corresponding auxiliary file has been used. The fourth column is the date of those product files.

Type	Auxiliary Filename	Used since product	Used since product date
INST_PHYS_CHARACTERISTICS	GOM_INS_AXNIEC20050627_150713_20030716_120000_20100101_000000	1	19-SEP-2007 00:04:53
CALIBRATION_DATABASE	GOM_CAL_AXVIEC20070905_122547_20070904_000000_20100101_000000	1	19-SEP-2007 00:04:53
LEVEL-1B_PROC_CONFIG	GOM_PR1_AXNIEC20050627_151042_20020301_000000_20100101_000000	1	19-SEP-2007 00:04:53
STAR_CATALOGUE	GOM_CAT_AXVIEC20020121_161009_20020101_000000_20200101_000000	1	19-SEP-2007 00:04:53
STELLAR_SPECTRA_DATABANK	GOM_STS_AXNIEC20040308_103538_20020101_160000_20100101_000000	1	19-SEP-2007 00:04:53
ECMWF_FILE	AUX_ECF_AXNECM20070918_070114_20070918_210000_20070919_090000	1	19-SEP-2007 00:04:53
ECMWF_FILE	AUX_ECF_AXNECM20070918_190116_20070919_030000_20070919_150000	32	19-SEP-2007 04:04:38
OPTIONAL_ECMWF_FILE	MISSING	1	19-SEP-2007 00:04:53
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20070918_212936_000060572061_00415_29026_4203.N1	1	19-SEP-2007 00:04:53
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20070918_231552_000057382061_00416_29027_4204.N1	8	19-SEP-2007 01:01:50
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20070919_020553_000057382061_00418_29029_4206.N1	19	19-SEP-2007 02:24:02
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20070919_034650_000057382061_00419_29030_4207.N1	45	19-SEP-2007 05:45:14

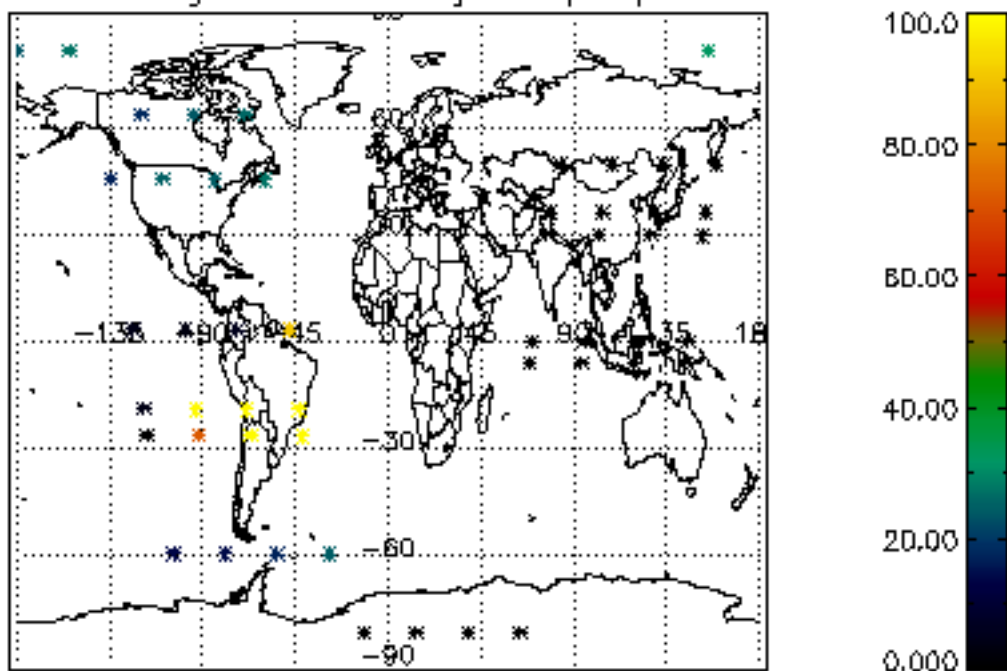




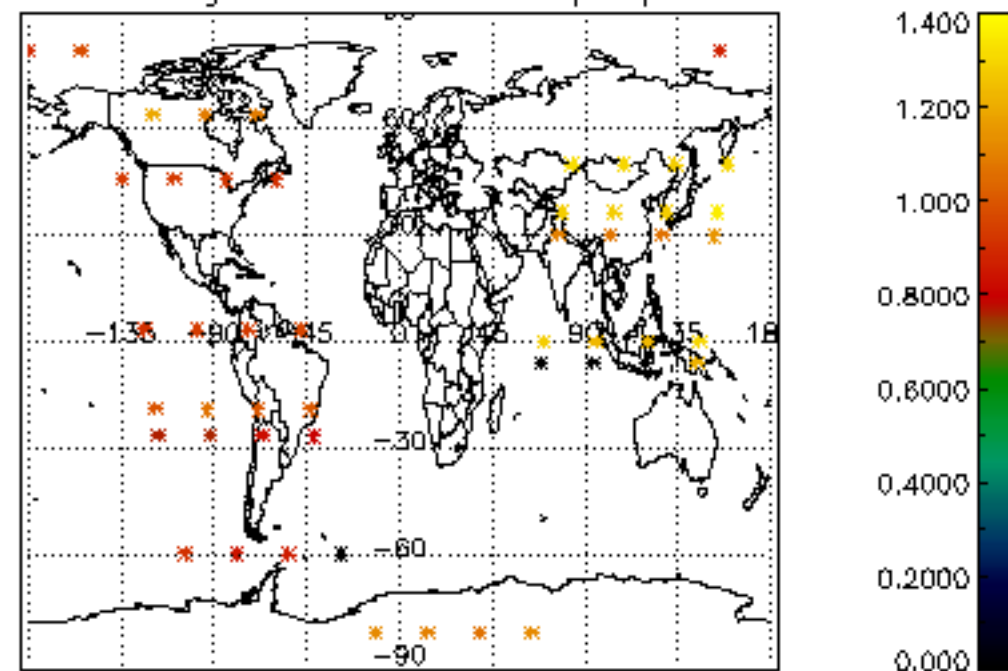




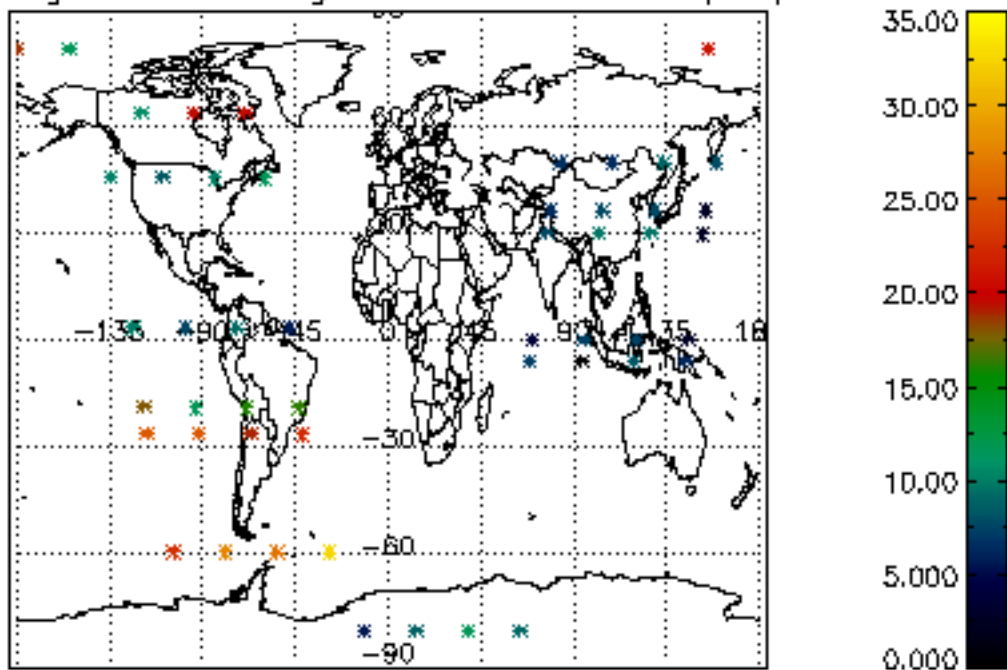
Percentage of cosmic ray hits per profile



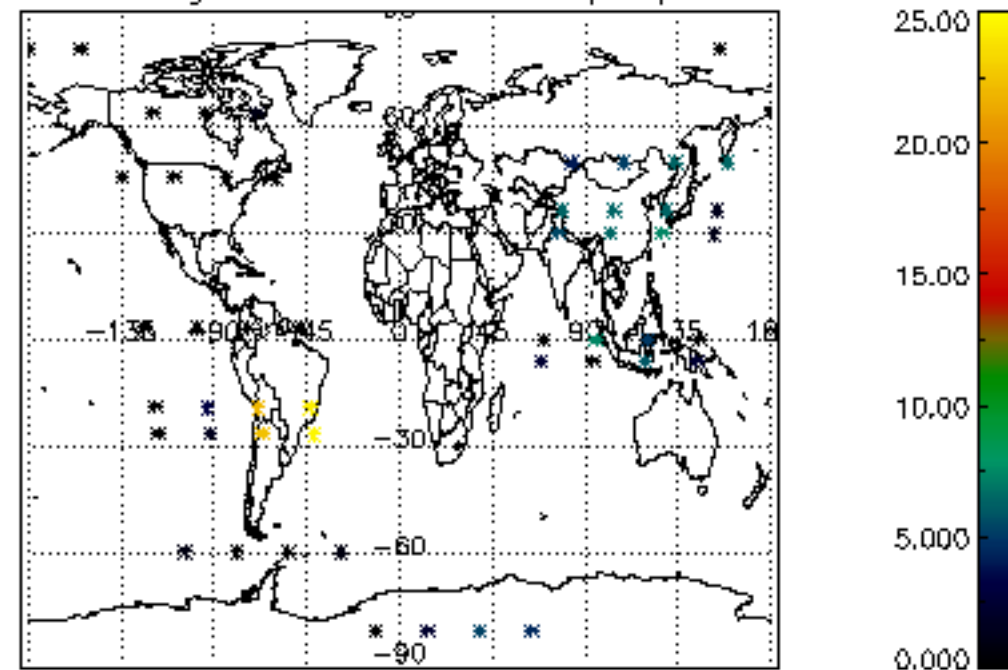
Percentage of datation errors per profile



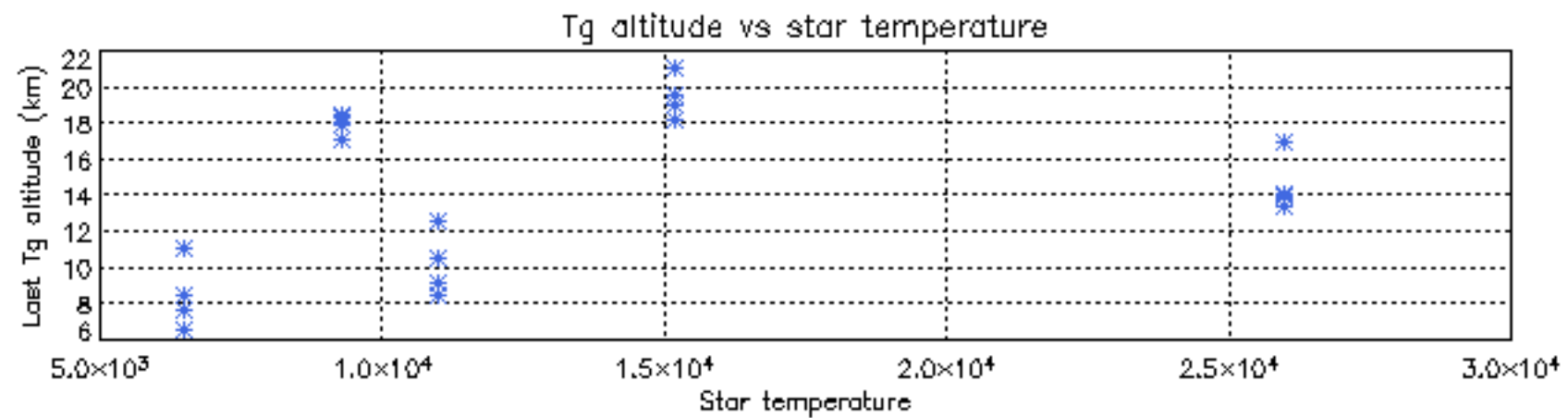
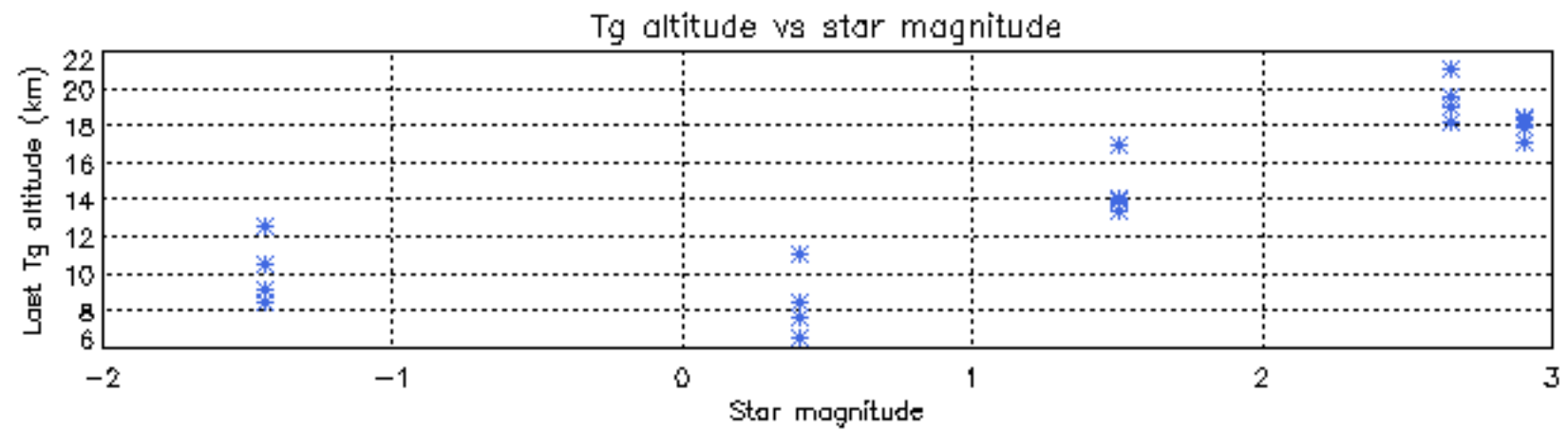
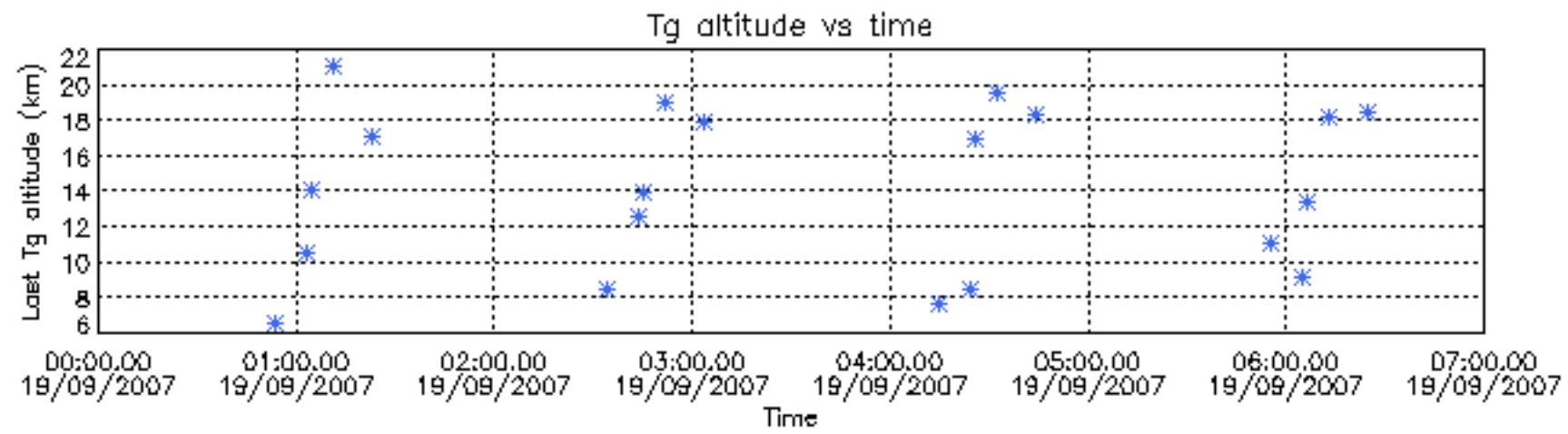
Percentage of star falling outside central band per profile



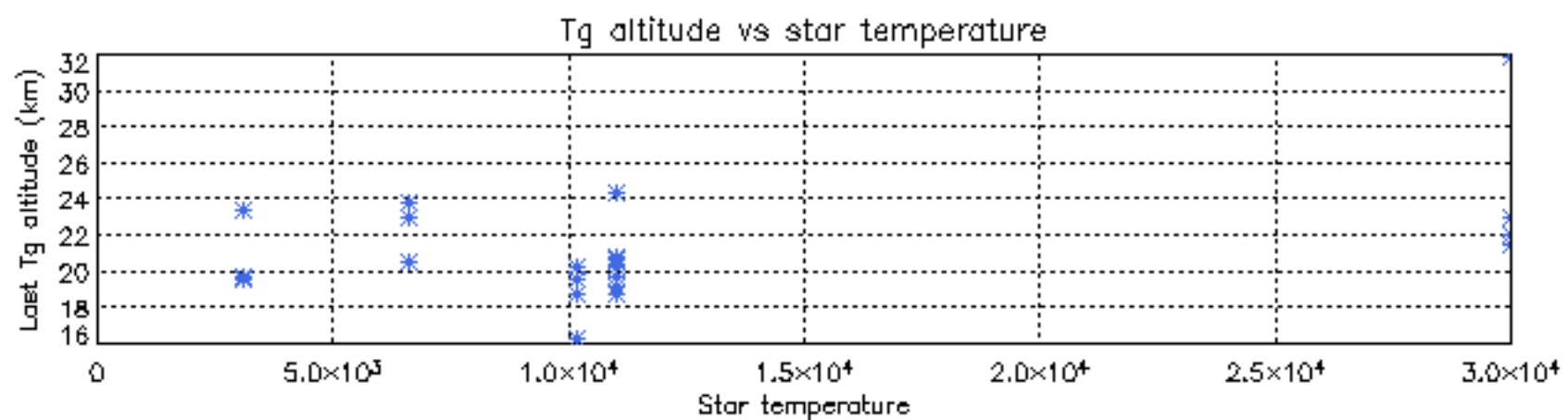
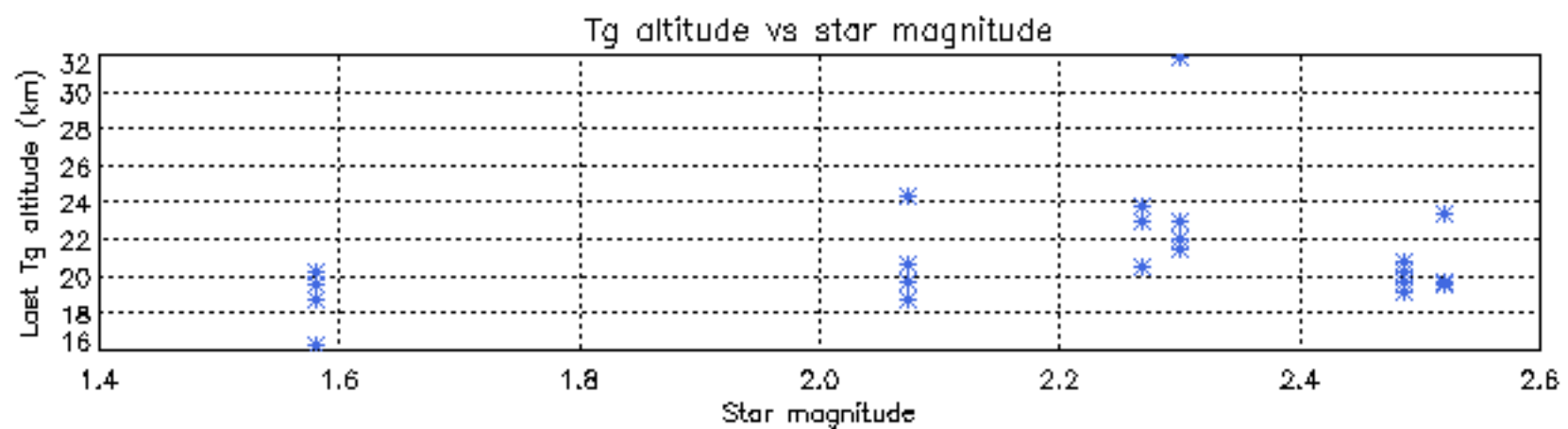
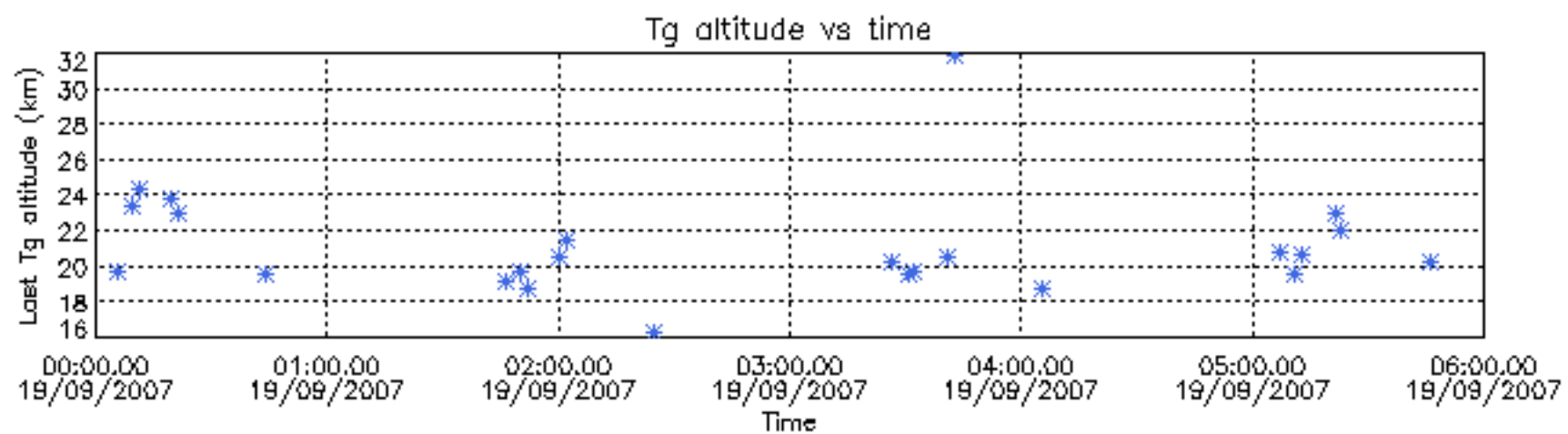
Percentage of saturation errors per profile

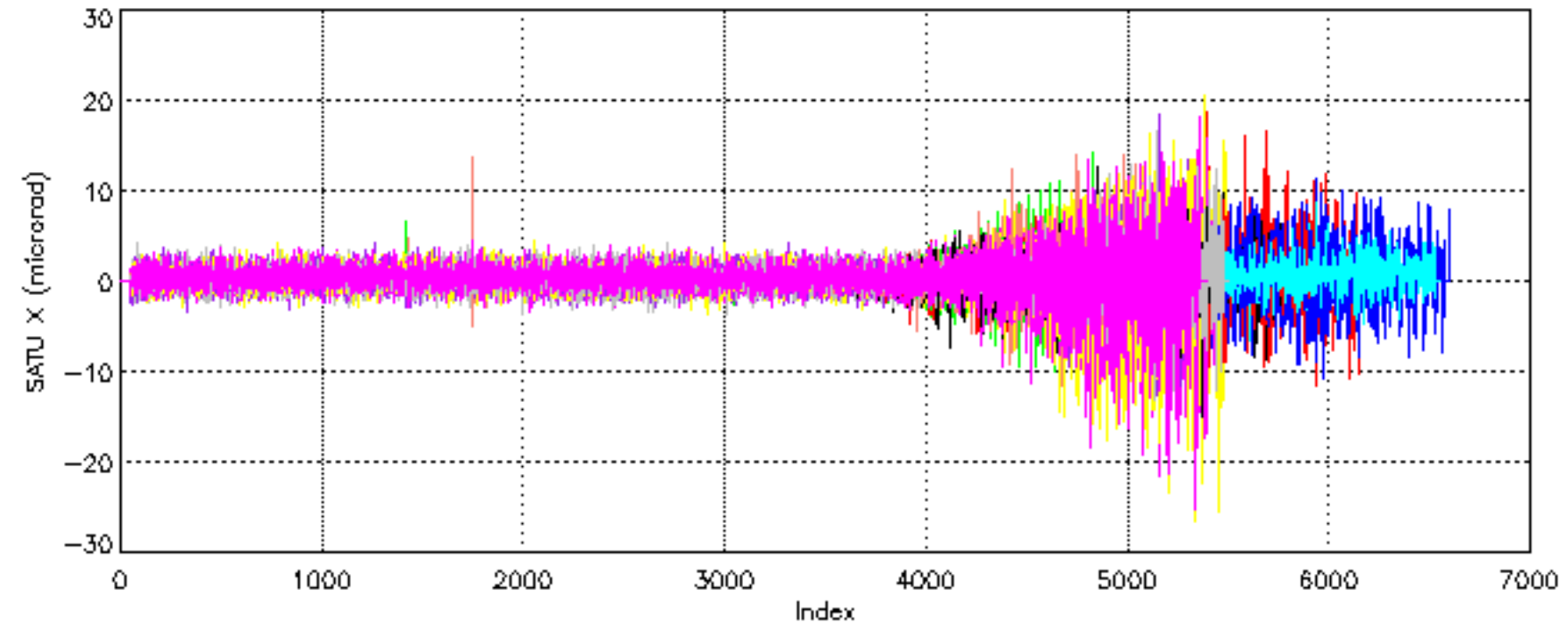


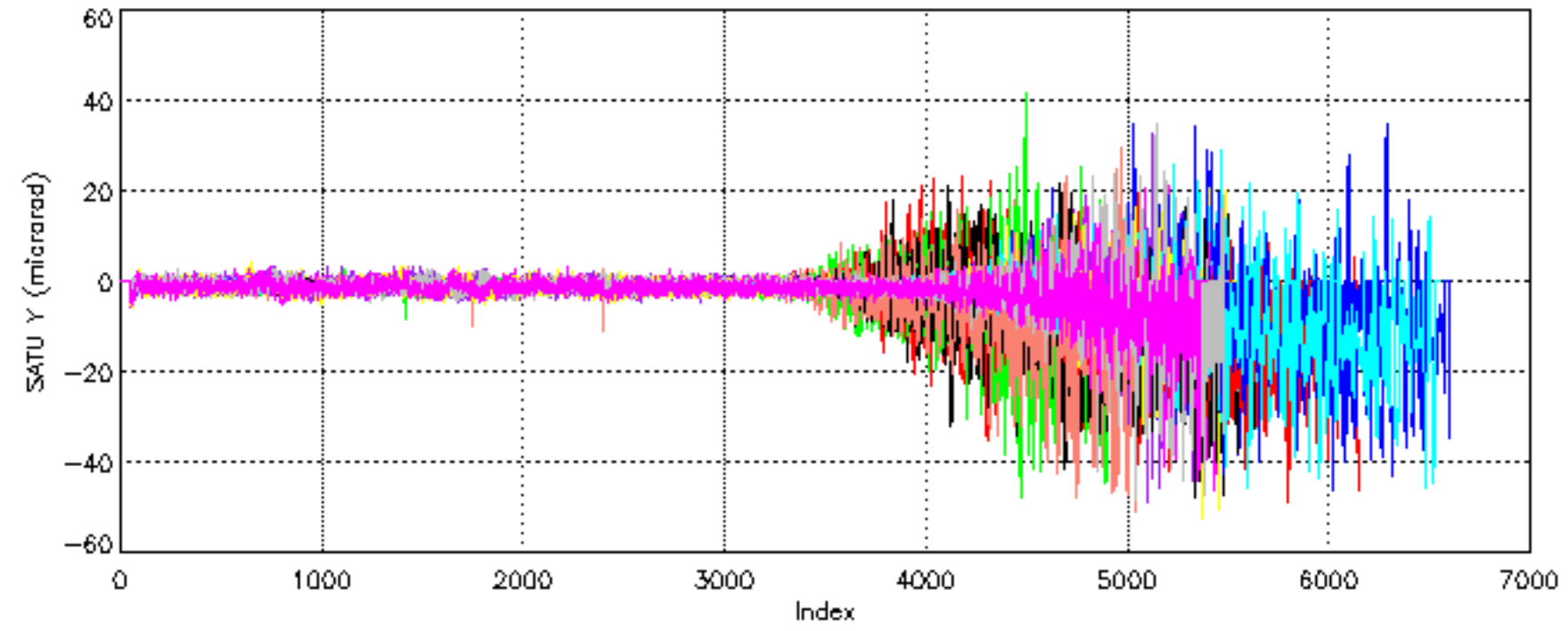
Tangent altitude at which the star is lost

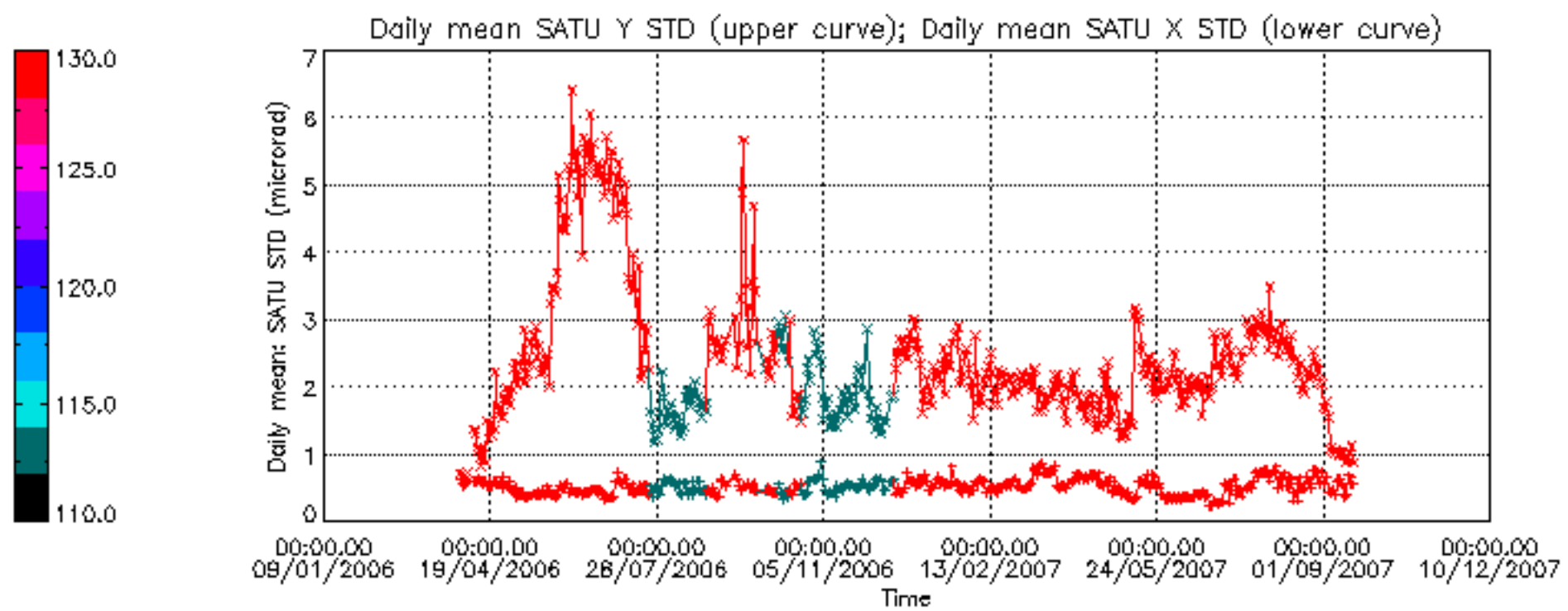


Tangent altitude at which the star is lost









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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
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 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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 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
 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
11; 2075.4; 01-SEP-2007 22:57:11; Bright; 39.0; 61; 8Eps Peg ; 2.10; 3900;occ; 78; 0;28784
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
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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 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
12; 1895.4; 02-SEP-2007 00:34:46; Bright; 39.5; 162; 34Alp Aqr ; 2.94; 5350;occ; 79; 0;28785
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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
12; 1332.4; 02-SEP-2007 03:46:35; Dark ; 46.5; 18; 24Alp PsA ; 1.17; 9700;occ; 93; 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
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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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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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 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
 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
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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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 5; 2074.7; 03-SEP-2007 16:52:08; Bright; 37.5; 61; 8Eps Peg ; 2.10; 3900;occ; 75; 0;28809
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 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; -1404.7; 04-SEP-2007 05:18:56; Dark ; 254.5; 150; 44Zet Per ; 2.89; 28000;occ; 509; 0;28816
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 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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 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
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 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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 4; -1842.6; 04-SEP-2007 08:32:50; Bright; 85.0; 149; 45Eps Per ; 2.89; 30000;occ; 170; 0;28818
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/nas3/ENVISAT/GOMOS/GOM_NL__0P/GOM_NL__0PNPDK20070928_133414_000053772062_00053_29165_8973.N1

f_file_not_exist pr_oprd /nas3/ENVISAT/GOMOS/GOM_NL__0P/GOM_NL__0PNPDK20070928_133414_000053772062_00053_29165_8973.N1 0
/nas3/ENVISAT/GOMOS/GOM_NL__0P/GOM_NL__0PNPDK20070928_151450_000053762062_00054_29166_8974.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