

GOMOS Daily Report 28-JUL-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	31JUL2007 17:04:05
Data source version	GOMOS/5.00
Start time of products	28-07-2007 (28JUL2007 00:00:00)
Stop time of products	29-07-2007 (29JUL2007 00:00:00)
Store outputs in DB	Yes
Nb of level 1b prods	48
Nb of prods with errors	1

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

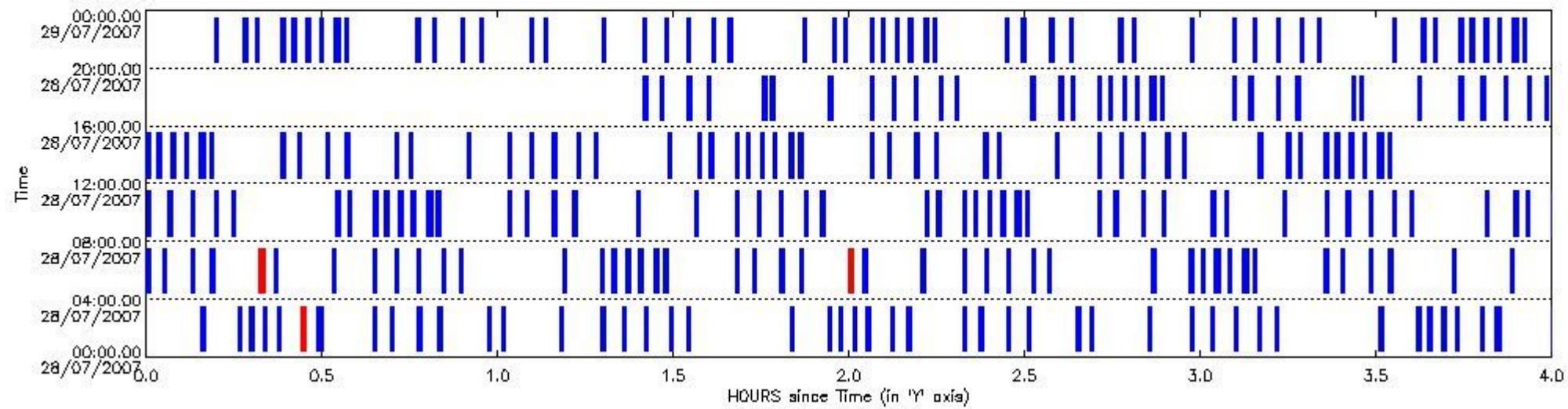
2.1 Level 0 products arrived in PCF (see template [here](#))

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)

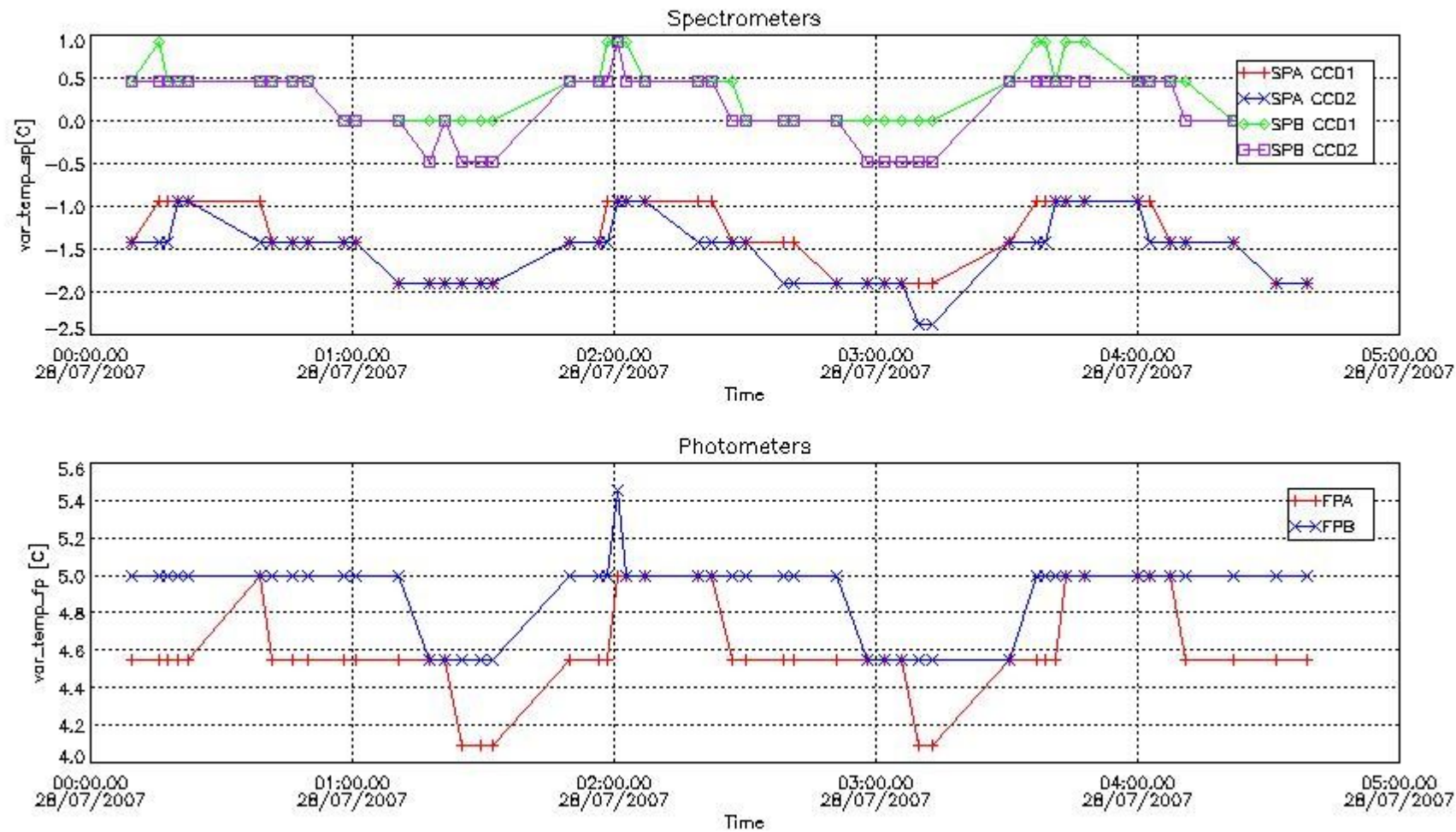
UTC start time	Star name	Star ID	Orbit
28-JUL-2007 00:26:24	AlpCol	108	28269
28-JUL-2007 04:19:15	38ZetSgr	103	28272
28-JUL-2007 05:59:52	38ZetSgr	103	28273

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_1PNPDE20070728_000918_000000402060_00159_28269_3857.N1	28-JUL-2007 00:09:18	Bright	40.000	28	12Bet Tau	1.6500	15200.	80	28269	No
2	GOM_TRA_1PNPDE20070728_001543_000000392060_00159_28269_3858.N1	28-JUL-2007 00:15:43	Dark	38.500	27	24Gam Ori	1.6360	26000.	77	28269	No
3	GOM_TRA_1PNPDE20070728_001738_000000382060_00159_28269_3859.N1	28-JUL-2007 00:17:38	Dark	37.500	30	46Eps Ori	1.6940	30000.	75	28269	No
4	GOM_TRA_1PNPDE20070728_002000_000000382060_00159_28269_3860.N1	28-JUL-2007 00:20:00	Dark	38.000	7	19Bet Ori	0.10000	14000.	76	28269	No
5	GOM_TRA_1PNPDE20070728_002216_000000382060_00159_28269_4074.N1	28-JUL-2007 00:22:16	Dark	38.000	101	11Alp Lep	2.5820	7000.0	76	28269	No
6	GOM_TRA_1PNPDE20070728_003844_000000382060_00160_28270_4075.N1	28-JUL-2007 00:38:44	Dark	38.000	143	Alp Hyi	2.8570	7200.0	76	28270	No
7	GOM_TRA_1PNPDE20070728_004139_000000392060_00160_28270_4076.N1	28-JUL-2007 00:41:39	Dark	38.500	135	Bet Hyi	2.8200	5800.0	77	28270	No
8	GOM_TRA_1PNPDE20070728_004619_000000412060_00160_28270_4077.N1	28-JUL-2007 00:46:19	Straylight	40.500	148	Alp Tuc	2.8780	4100.0	81	28270	No

9	GOM_TRA_1PNPDE20070728_004943_000000422060_00160_28270_4078.N1	28-JUL-2007 00:49:43	Straylight	41.500	45	Alp Pav	1.9400	26000.	83	28270	No
10	GOM_TRA_1PNPDE20070728_005812_000000412060_00160_28270_4079.N1	28-JUL-2007 00:58:12	Bright	40.500	103	38Zet Sgr	2.6000	9700.0	81	28270	No
11	GOM_TRA_1PNPDE20070728_010035_000000372060_00160_28270_4080.N1	28-JUL-2007 01:00:35	Bright	36.500	155	41Pi Sgr	2.9000	6600.0	73	28270	No
12	GOM_TRA_1PNPDE20070728_011033_000000352060_00160_28270_4081.N1	28-JUL-2007 01:10:33	Bright	35.000	168	17Zet Aql	2.9860	11000.	70	28270	No
13	GOM_TRA_1PNPDE20070728_011737_000000402060_00160_28270_4082.N1	28-JUL-2007 01:17:37	Bright	40.000	5	3Alp Lyr	0.033000	11000.	80	28270	No
14	GOM_TRA_1PNPDE20070728_012118_000000372060_00160_28270_4083.N1	28-JUL-2007 01:21:18	Bright	36.500	69	33Gam Dra	2.2310	3800.0	73	28270	No
15	GOM_TRA_1PNPDE20070728_012507_000000372060_00160_28270_4084.N1	28-JUL-2007 01:25:07	Bright	37.000	119	14Eta Dra	2.7270	4700.0	74	28270	No
16	GOM_TRA_1PNPDE20070728_012919_000000322060_00160_28270_4085.N1	28-JUL-2007 01:29:19	Bright	32.000	60	7Bet UMi	2.0810	3950.0	64	28270	No
17	GOM_TRA_1PNPDE20070728_013211_000000332060_00160_28270_4086.N1	28-JUL-2007 01:32:11	Bright	33.000	49	1Alp UMi	1.9900	6300.0	66	28270	No
18	GOM_TRA_1PNPDE20070728_014954_000000392060_00160_28270_4087.N1	28-JUL-2007 01:49:54	Bright	39.000	28	12Bet Tau	1.6500	15200.	78	28270	No
19	GOM_TRA_1PNPDE20070728_015620_000000372060_00160_28270_4088.N1	28-JUL-2007 01:56:20	Dark	36.500	27	24Gam Ori	1.6360	26000.	73	28270	No
20	GOM_TRA_1PNPDE20070728_015814_000000362060_00160_28270_4089.N1	28-JUL-2007 01:58:14	Dark	36.000	30	46Eps Ori	1.6940	30000.	72	28270	No
21	GOM_TRA_1PNPDE20070728_020037_000000442060_00160_28270_4220.N1	28-JUL-2007 02:00:37	Dark	43.500	7	19Bet Ori	0.10000	14000.	87	28270	Yes
22	GOM_TRA_1PNPDE20070728_020252_000000422060_00160_28270_4221.N1	28-JUL-2007 02:02:52	Dark	41.500	101	11Alp Lep	2.5820	7000.0	83	28270	No
23	GOM_TRA_1PNPDE20070728_020708_000000392060_00160_28270_4222.N1	28-JUL-2007 02:07:08	Dark	39.000	108	Alp Col	2.6520	15200.	78	28270	No
24	GOM_TRA_1PNPDE20070728_021921_000000392060_00161_28271_4223.N1	28-JUL-2007 02:19:21	Dark	38.500	143	Alp Hyi	2.8570	7200.0	77	28271	No
25	GOM_TRA_1PNPDE20070728_022215_000000392060_00161_28271_4224.N1	28-JUL-2007 02:22:15	Dark	38.500	135	Bet Hyi	2.8200	5800.0	77	28271	No
26	GOM_TRA_1PNPDE20070728_022656_000000422060_00161_28271_4225.N1	28-JUL-2007 02:26:56	Straylight	42.000	148	Alp Tuc	2.8780	4100.0	84	28271	No
27	GOM_TRA_1PNPDE20070728_023020_000000402060_00161_28271_4226.N1	28-JUL-2007 02:30:20	Straylight	40.000	45	Alp Pav	1.9400	26000.	80	28271	No
28	GOM_TRA_1PNPDE20070728_023848_000000432060_00161_28271_4227.N1	28-JUL-2007 02:38:48	Bright	42.500	103	38Zet Sgr	2.6000	9700.0	85	28271	No
29	GOM_TRA_1PNPDE20070728_024112_000000382060_00161_28271_4228.N1	28-JUL-2007 02:41:12	Bright	37.500	155	41Pi Sgr	2.9000	6600.0	75	28271	No
30	GOM_TRA_1PNPDE20070728_025109_000000352060_00161_28271_4229.N1	28-JUL-2007 02:51:09	Bright	34.500	168	17Zet Aql	2.9860	11000.	69	28271	No
31	GOM_TRA_1PNPDE20070728_025813_000000382060_00161_28271_4230.N1	28-JUL-2007 02:58:13	Bright	37.500	5	3Alp Lyr	0.033000	11000.	75	28271	No
32	GOM_TRA_1PNPDE20070728_030154_000000332060_00161_28271_4231.N1	28-JUL-2007 03:01:54	Bright	33.000	69	33Gam Dra	2.2310	3800.0	66	28271	No
33	GOM_TRA_1PNPDE20070728_030543_000000372060_00161_28271_4232.N1	28-JUL-2007 03:05:43	Bright	37.000	119	14Eta Dra	2.7270	4700.0	74	28271	No
34	GOM_TRA_1PNPDE20070728_030955_000000332060_00161_28271_4233.N1	28-JUL-2007 03:09:55	Bright	32.500	60	7Bet UMi	2.0810	3950.0	65	28271	No
35	GOM_TRA_1PNPDE20070728_031247_000000332060_00161_28271_4234.N1	28-JUL-2007 03:12:47	Bright	33.000	49	1Alp UMi	1.9900	6300.0	66	28271	No
36	GOM_TRA_1PNPDE20070728_033030_000000402060_00161_28271_4386.N1	28-JUL-2007 03:30:30	Bright	39.500	28	12Bet Tau	1.6500	15200.	79	28271	No
37	GOM_TRA_1PNPDE20070728_033656_000000382060_00161_28271_4387.N1	28-JUL-2007 03:36:56	Dark	37.500	27	24Gam Ori	1.6360	26000.	75	28271	No
38	GOM_TRA_1PNPDE20070728_033851_000000382060_00161_28271_4388.N1	28-JUL-2007 03:38:51	Dark	37.500	30	46Eps Ori	1.6940	30000.	75	28271	No
39	GOM_TRA_1PNPDE20070728_034113_000000452060_00161_28271_4389.N1	28-JUL-2007 03:41:13	Dark	44.500	7	19Bet Ori	0.10000	14000.	89	28271	No
40	GOM_TRA_1PNPDE20070728_034328_000000402060_00161_28271_4390.N1	28-JUL-2007 03:43:28	Dark	39.500	101	11Alp Lep	2.5820	7000.0	79	28271	No
41	GOM_TRA_1PNPDE20070728_034744_000000392060_00161_28271_4391.N1	28-JUL-2007 03:47:44	Dark	38.500	108	Alp Col	2.6520	15200.	77	28271	No
42	GOM_TRA_1PNPDE20070728_035957_000000392060_00162_28272_4392.N1	28-JUL-2007 03:59:57	Dark	39.000	143	Alp Hyi	2.8570	7200.0	78	28272	No
43	GOM_TRA_1PNPDE20070728_040252_000000372060_00162_28272_4393.N1	28-JUL-2007 04:02:52	Dark	36.500	135	Bet Hyi	2.8200	5800.0	73	28272	No
44	GOM_TRA_1PNPDE20070728_040732_000000432060_00162_28272_4394.N1	28-JUL-2007 04:07:32	Straylight	42.500	148	Alp Tuc	2.8780	4100.0	85	28272	No
45	GOM_TRA_1PNPDE20070728_041056_000000382060_00162_28272_4395.N1	28-JUL-2007 04:10:56	Straylight	37.500	45	Alp Pav	1.9400	26000.	75	28272	No
46	GOM_TRA_1PNPDE20070728_042148_000000362060_00162_28272_4396.N1	28-JUL-2007 04:21:48	Bright	36.000	155	41Pi Sgr	2.9000	6600.0	72	28272	No
47	GOM_TRA_1PNPDE20070728_043145_000000352060_00162_28272_4397.N1	28-JUL-2007 04:31:45	Bright	35.000	168	17Zet Aql	2.9860	11000.	70	28272	No
48	GOM_TRA_1PNPDE20070728_043849_000000352060_00162_28272_4398.N1	28-JUL-2007 04:38:49	Bright	35.000	5	3Alp Lyr	0.033000	11000.	70	28272	No

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



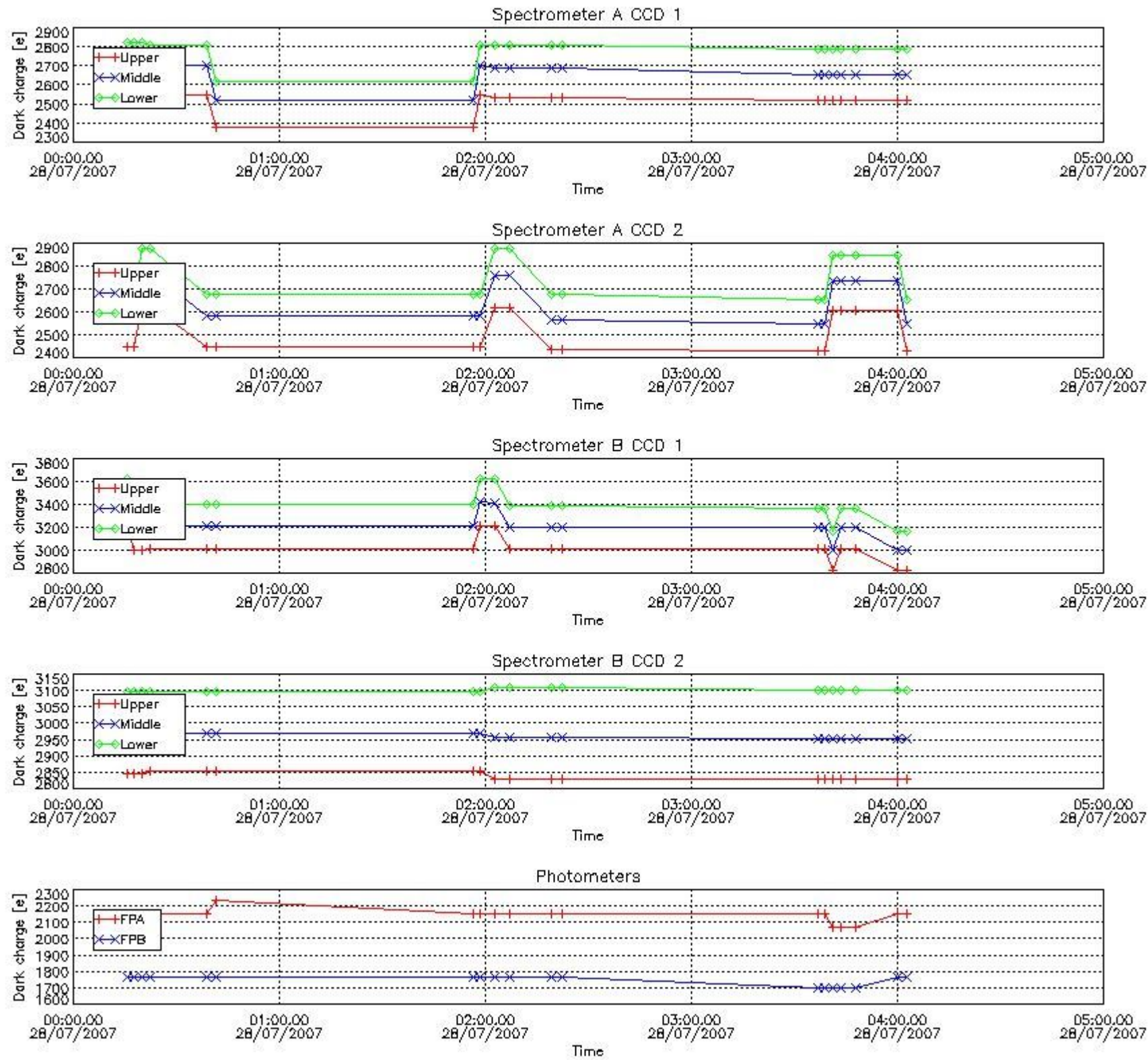
4. Overview of dark signal processing per product

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



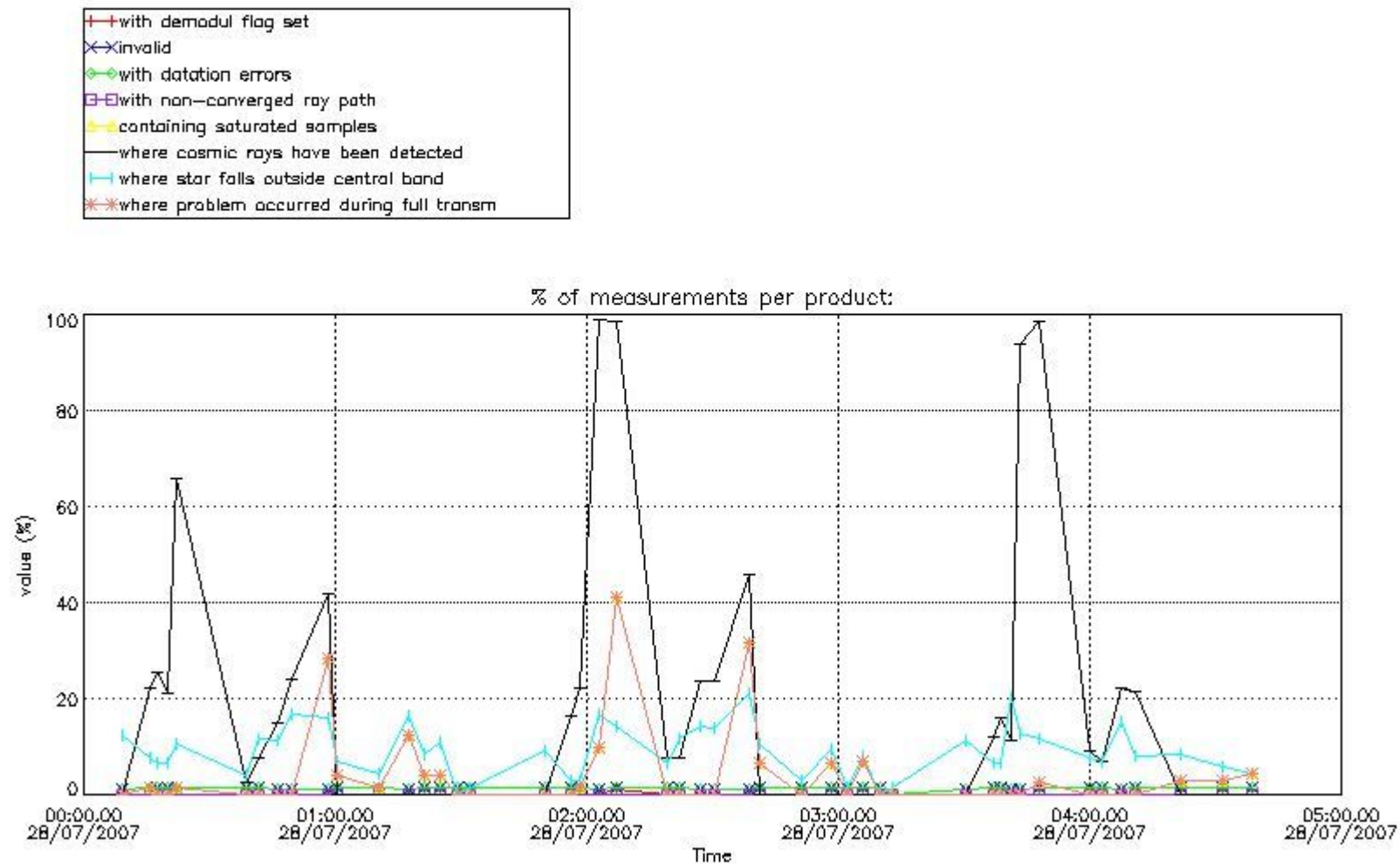
5. Demodulation flag and quality information monitoring

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.

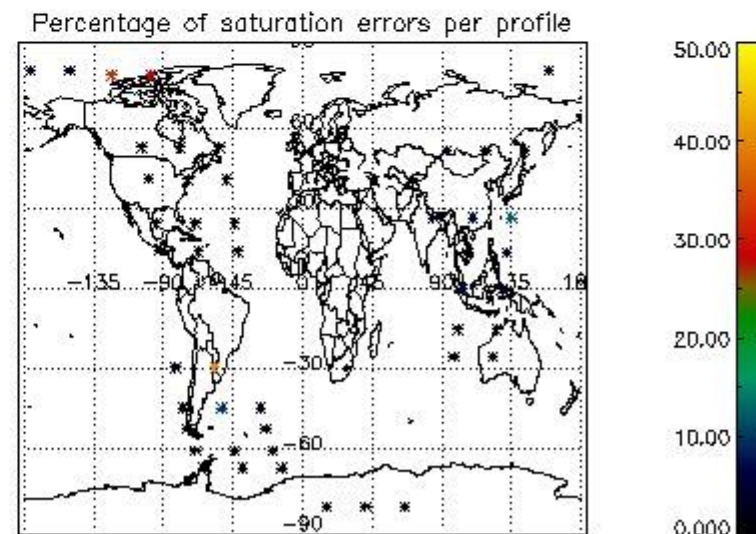
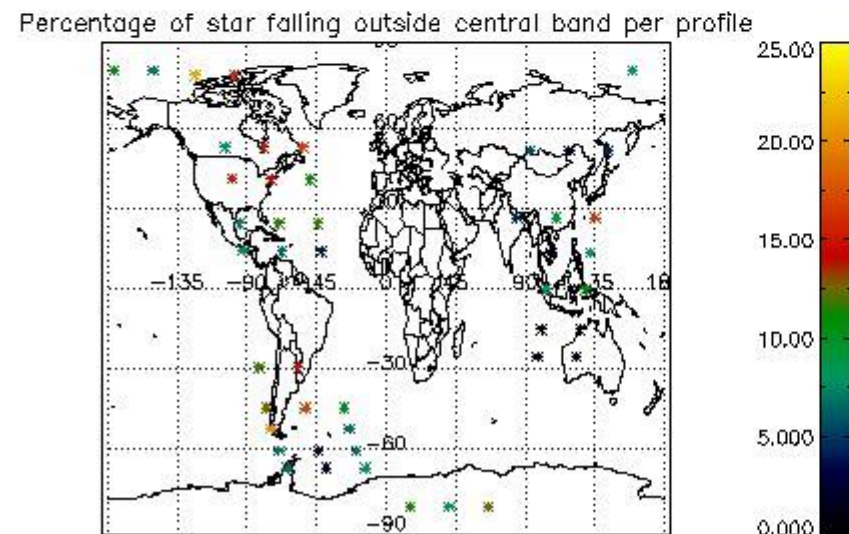
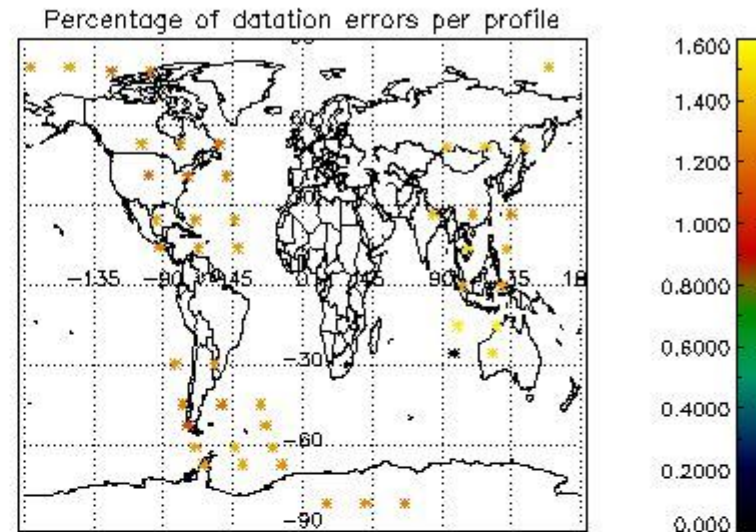
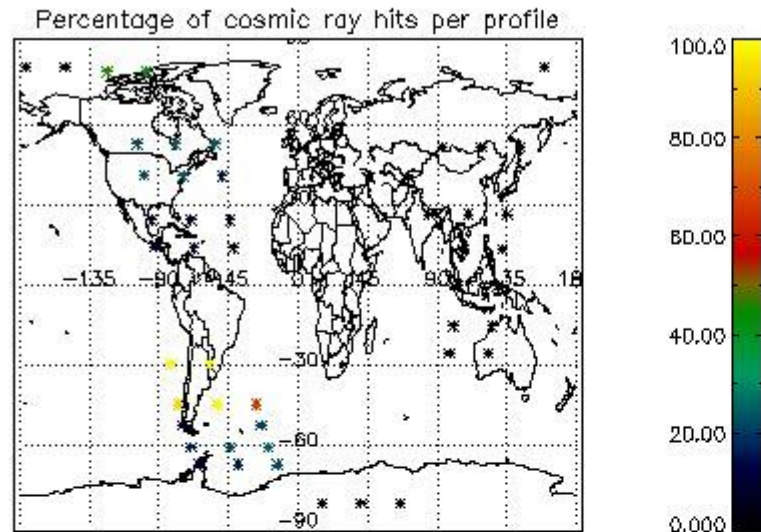
5.1 Percentage of products during reporting period with:

At least one measurement with demodulation flag set:	19.1489 %
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)



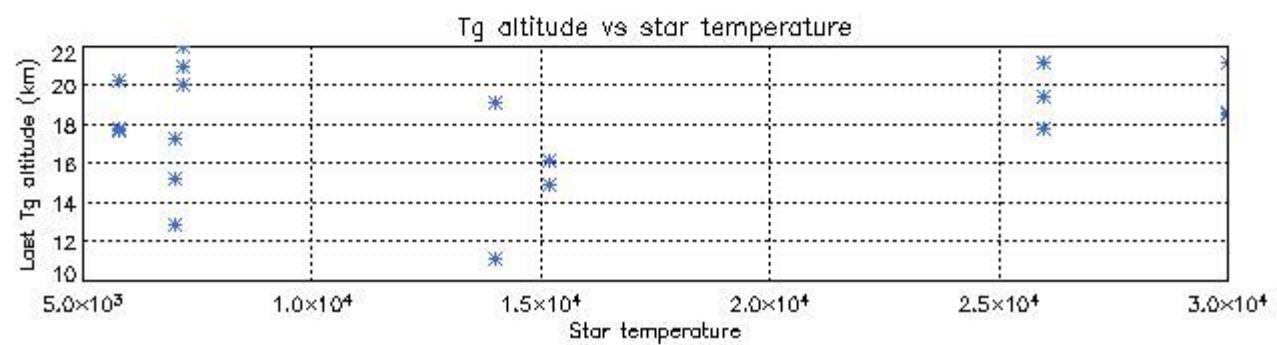
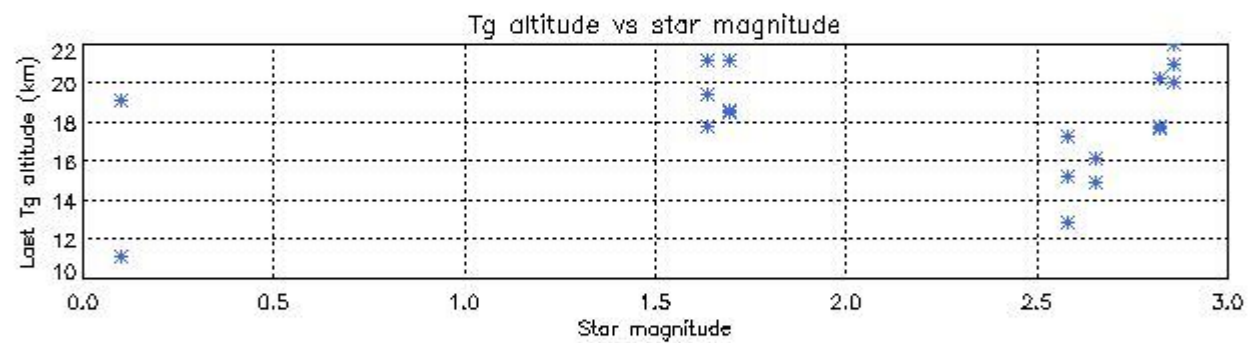
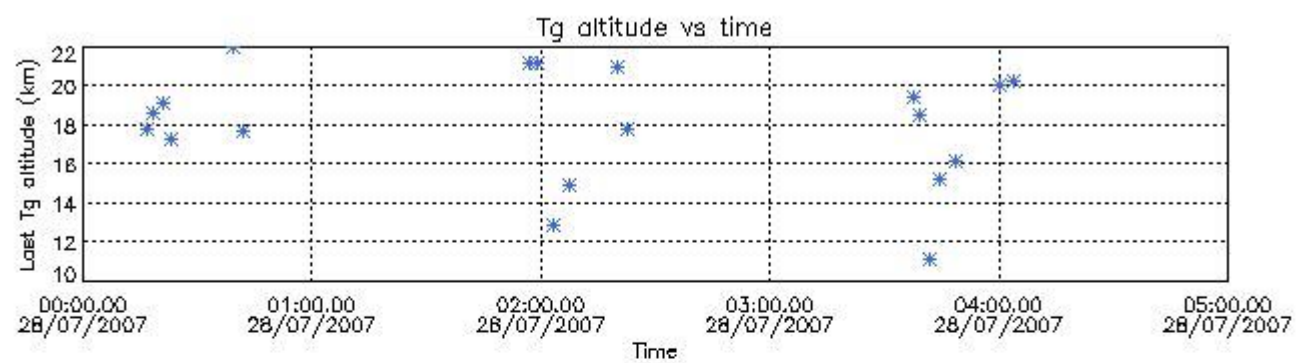
6. Statistics and plot of tangent altitude of the last measurement (DARK & BRIGHT products without errors)

6.1 Statistics on tangent altitude lost:

Statistics	DARK	BRIGHT	TWILIGHT
Mean:	18.004	20.907	NaN
St. deviation:	2.9143	5.2339	NaN
Maximum:	21.963	30.730	NaN
Minimum:	11.084	11.508	NaN
Number of data:	19.000	22.000	NaN

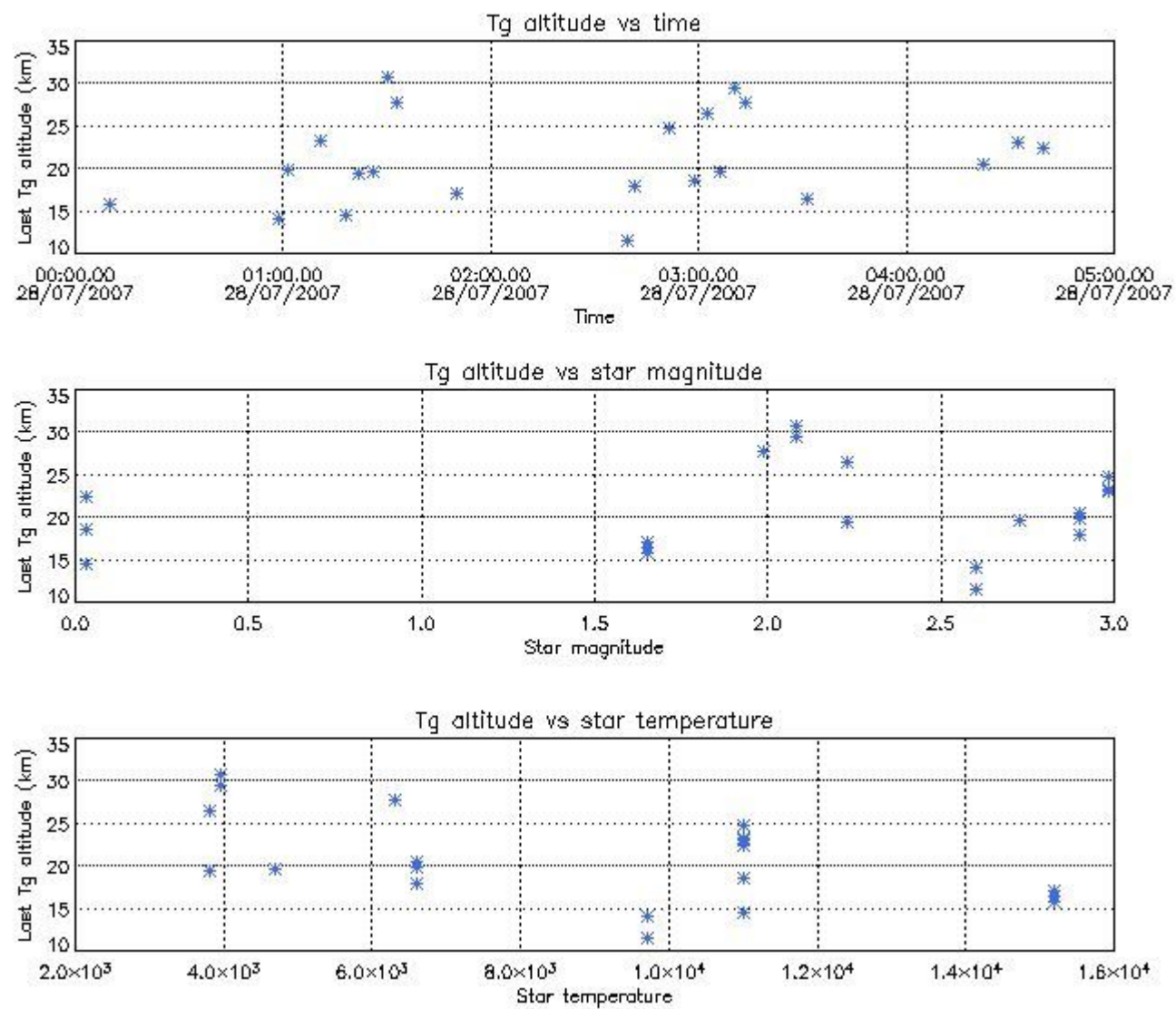
6.2 Plot for DARK limb products

Tangent altitude at which the star is lost



6.3 Plot for BRIGHT limb products

Tangent altitude at which the star is lost

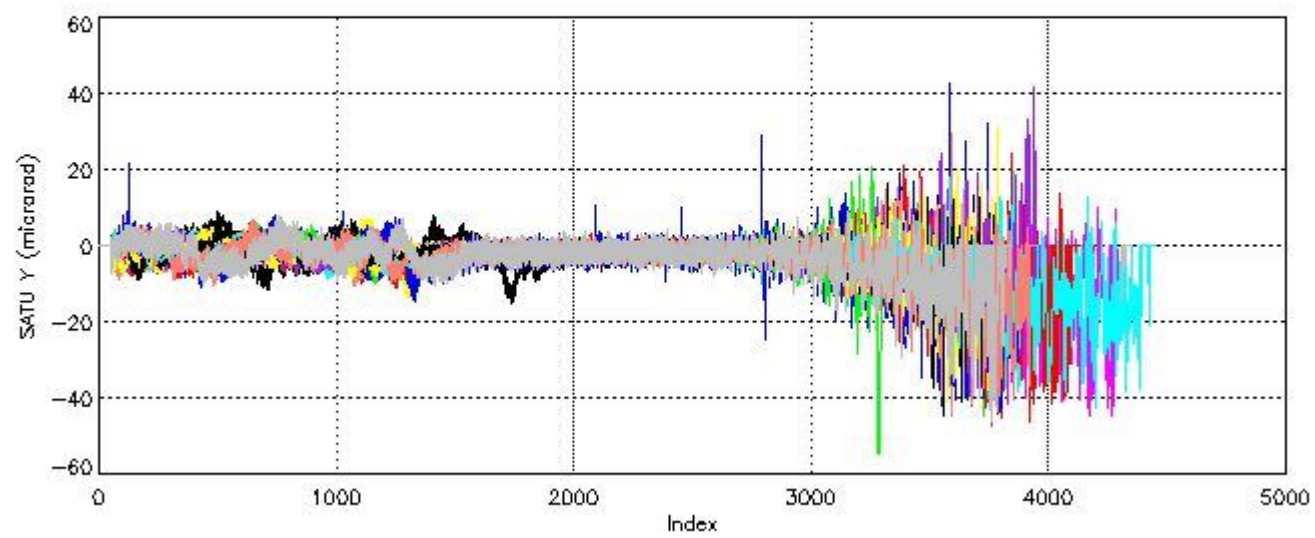
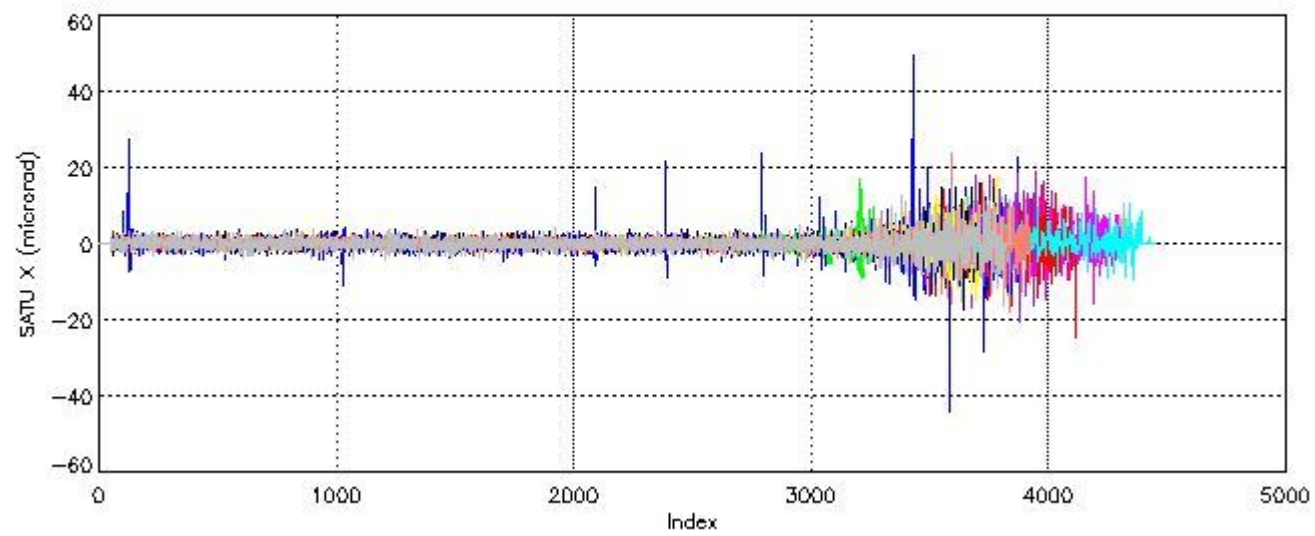


7. Star Acquisition and Tracking Unit (SATU)

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:	0.030175	-1.2927	0.043556	-1.0241
St. deviation:	0.76960	2.9649	0.74924	2.8393
Maximum:	27.400	21.700	6.4000	9.4000
Minimum:	-7.6000	-11.800	-5.2000	-13.000

Number of data:	16700.	16700.	18250.	18250.
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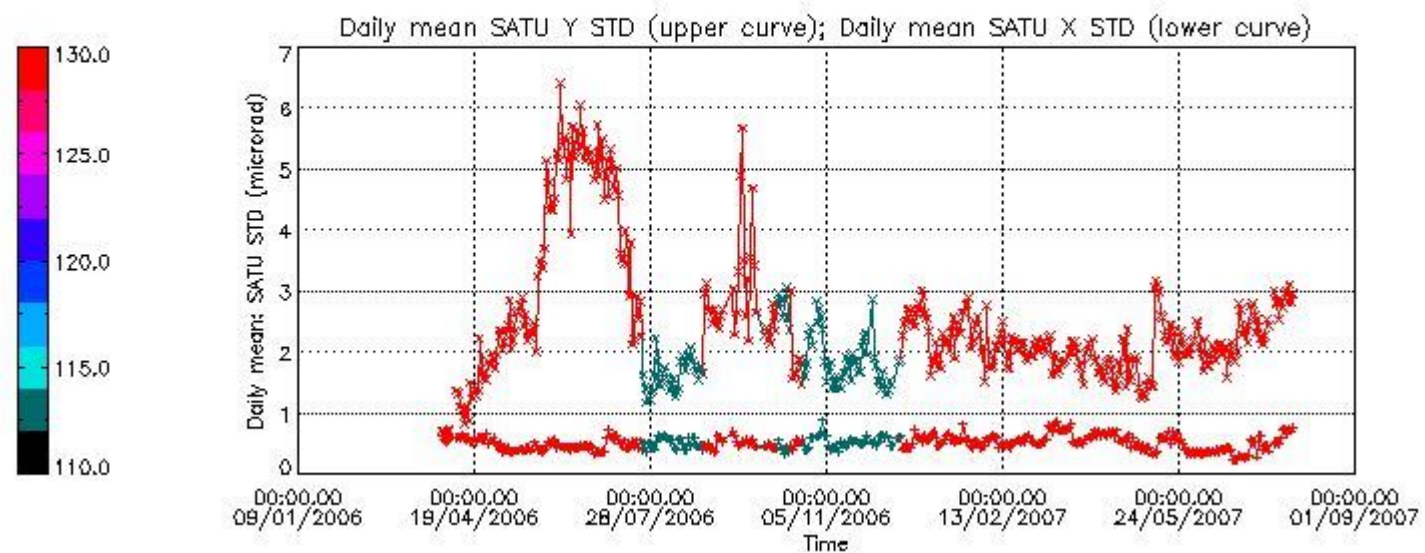
7.2.2 Trend of daily SATU NEA St. deviation since 1st April 2006 (dark limb)

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

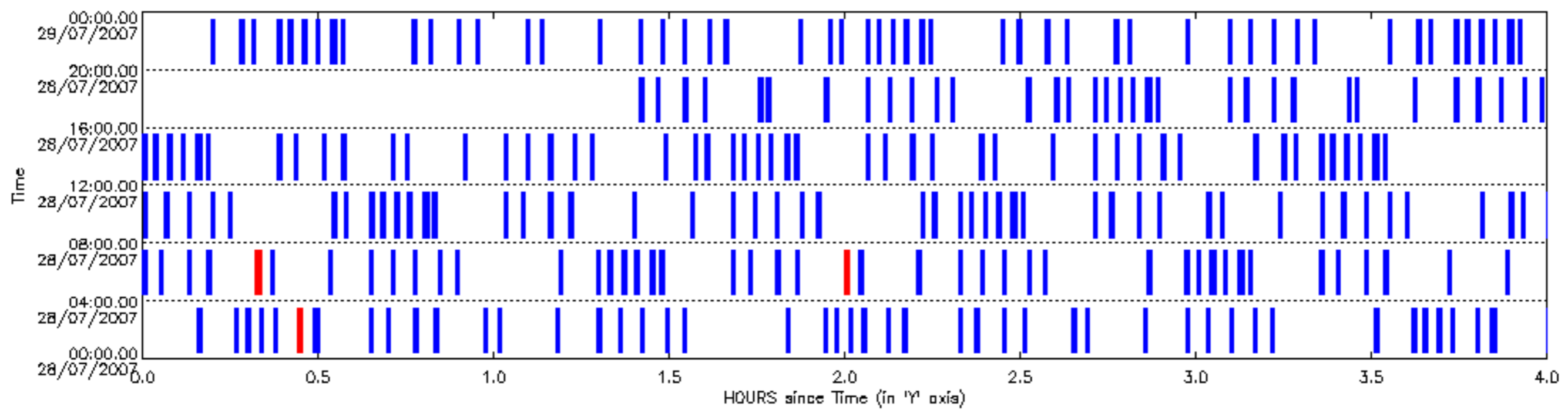
Lower curve: STD of SATU X axis

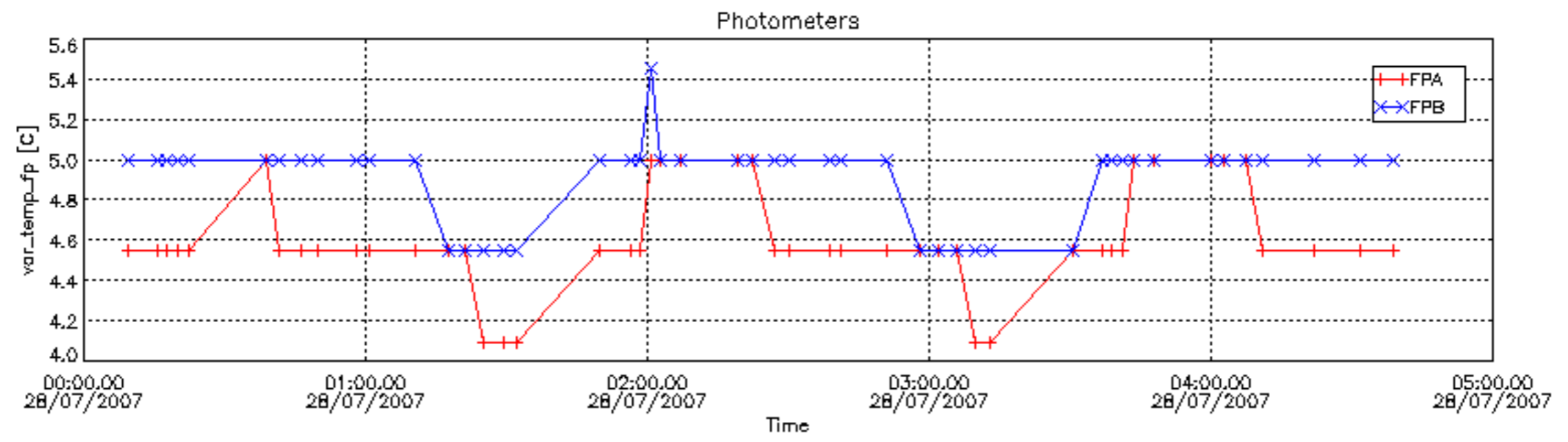
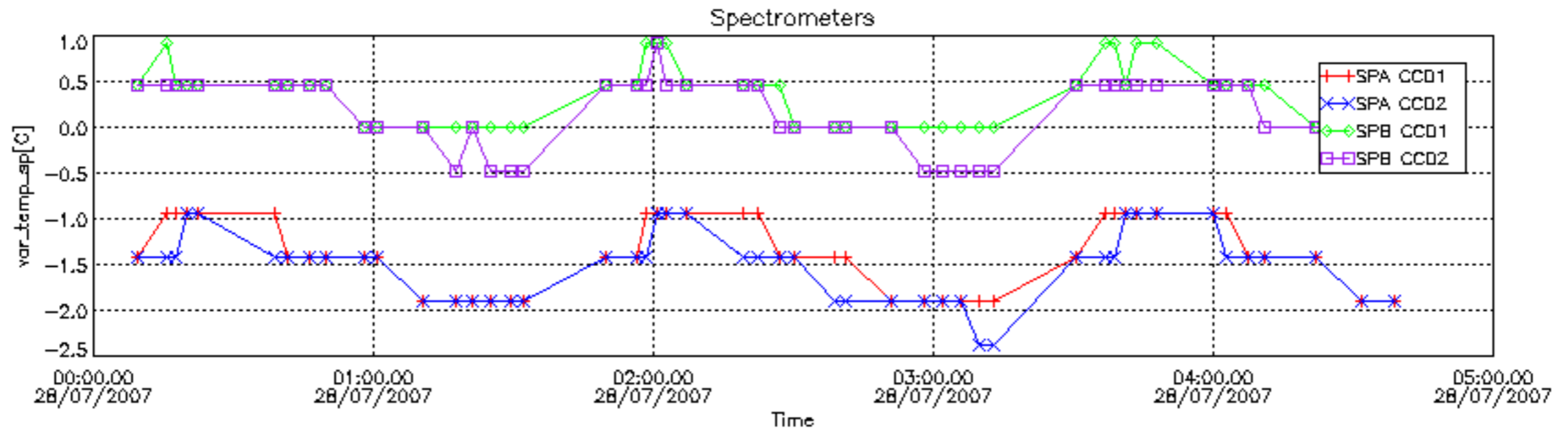


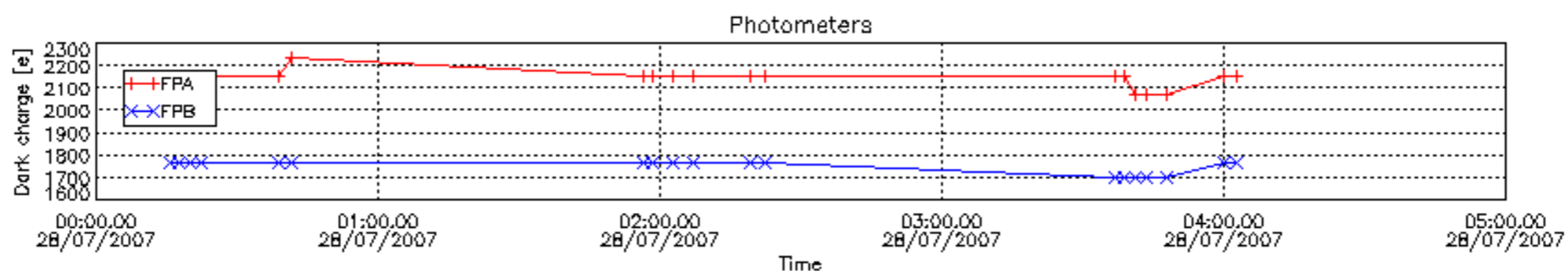
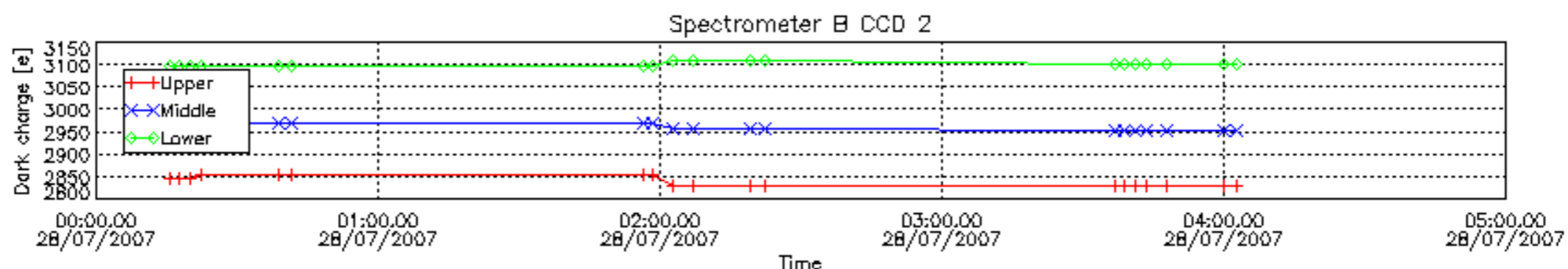
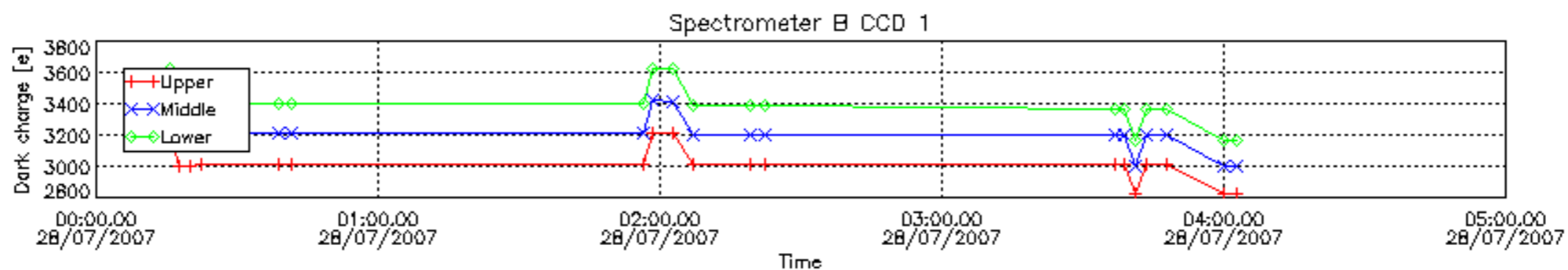
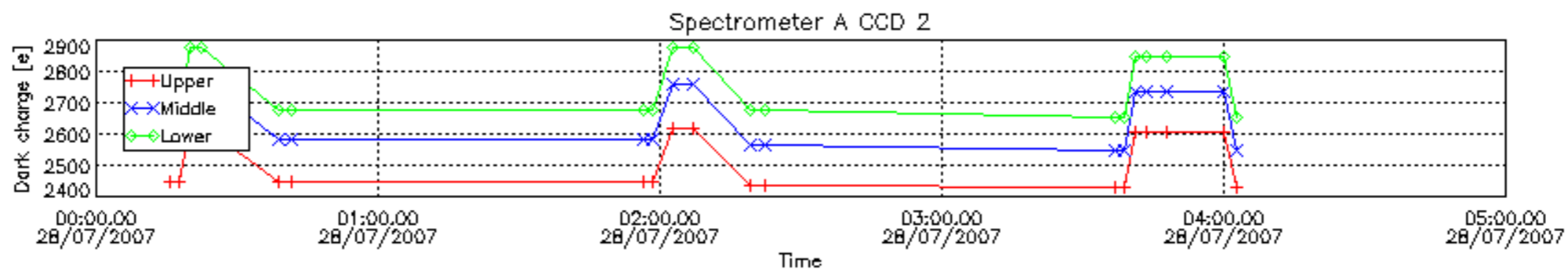
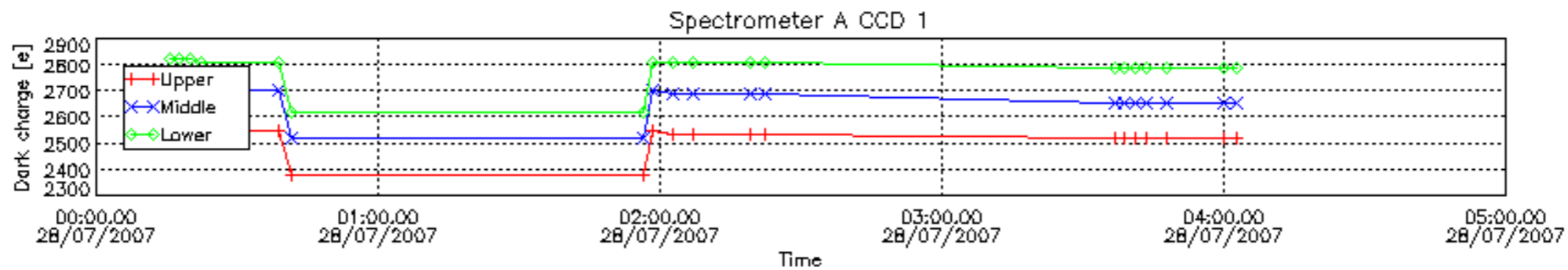
8. Auxiliary Data Files used for the production reported in section 2.4

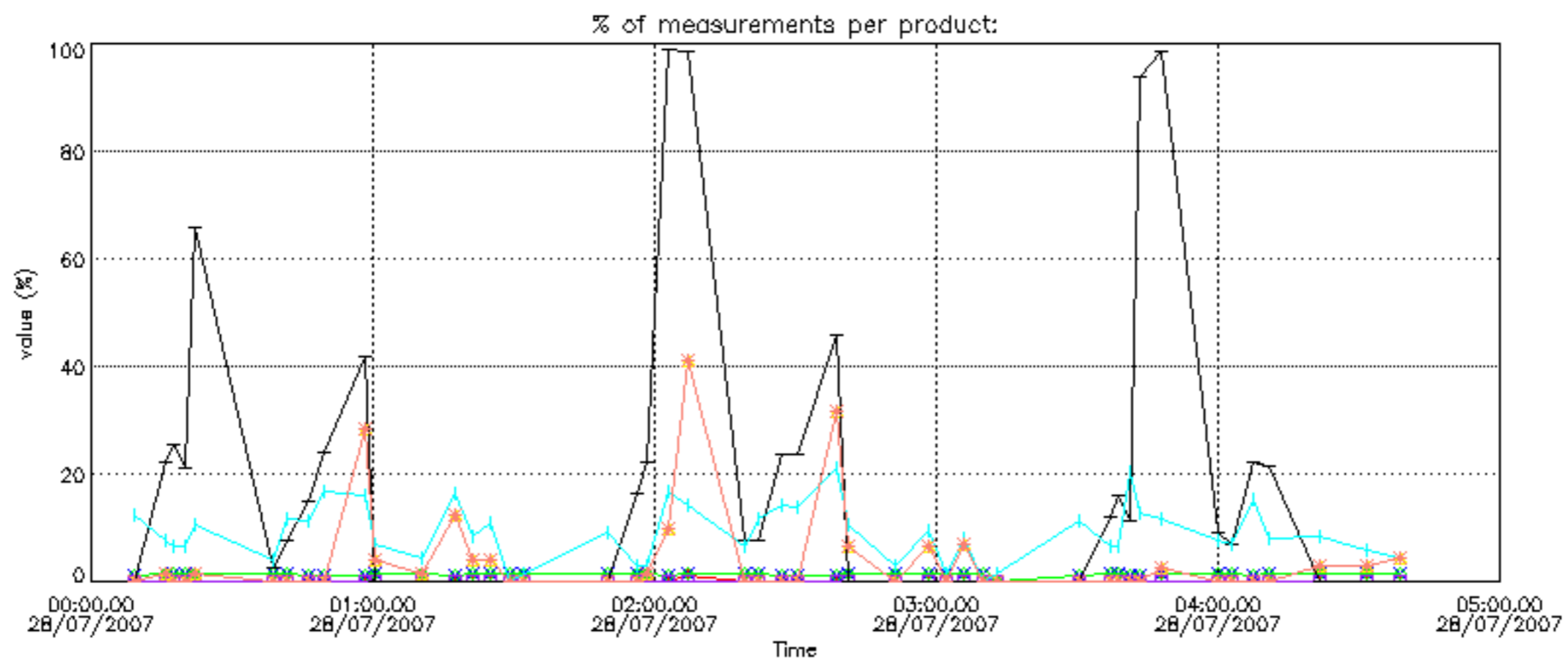
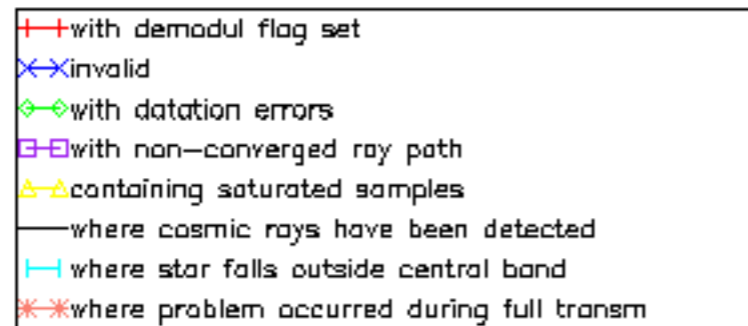
The number reported in the third column indicates since which file (see list in section 2.4) the corresponding auxiliary file has been used. The fourth column is the date of those product files.

Type	Auxiliary Filename	Used since product	Used since product date
INST_PHYS_CHARACTERISTICS	GOM_INS_AXNIEC20050627_150713_20030716_120000_20100101_000000	1	28-JUL-2007 00:09:18
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LEVEL-1B_PROC_CONFIG	GOM_PR1_AXNIEC20050627_151042_20020301_000000_20100101_000000	1	28-JUL-2007 00:09:18
STAR_CATALOGUE	GOM_CAT_AXVIEC20020121_161009_20020101_000000_20200101_000000	1	28-JUL-2007 00:09:18
STELLAR_SPECTRA_DATABANK	GOM_STS_AXNIEC20040308_103538_20020101_160000_20100101_000000	1	28-JUL-2007 00:09:18
ECMWF_FILE	AUX_ECF_AXNECM20070727_061114_20070727_210000_20070728_090000	1	28-JUL-2007 00:09:18
ECMWF_FILE	AUX_ECF_AXNECM20070727_182115_20070728_030000_20070728_150000	36	28-JUL-2007 03:30:30
OPTIONAL_ECMWF_FILE	MISSING	1	28-JUL-2007 00:09:18
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20070727_205048_000060572060_00157_28267_3862.N1	1	28-JUL-2007 00:09:18
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20070727_223703_000057382060_00158_28268_3863.N1	5	28-JUL-2007 00:22:16
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20070728_001800_000057382060_00159_28269_3864.N1	21	28-JUL-2007 02:00:37
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20070728_015857_000041442060_00160_28270_3865.N1	36	28-JUL-2007 03:30:30

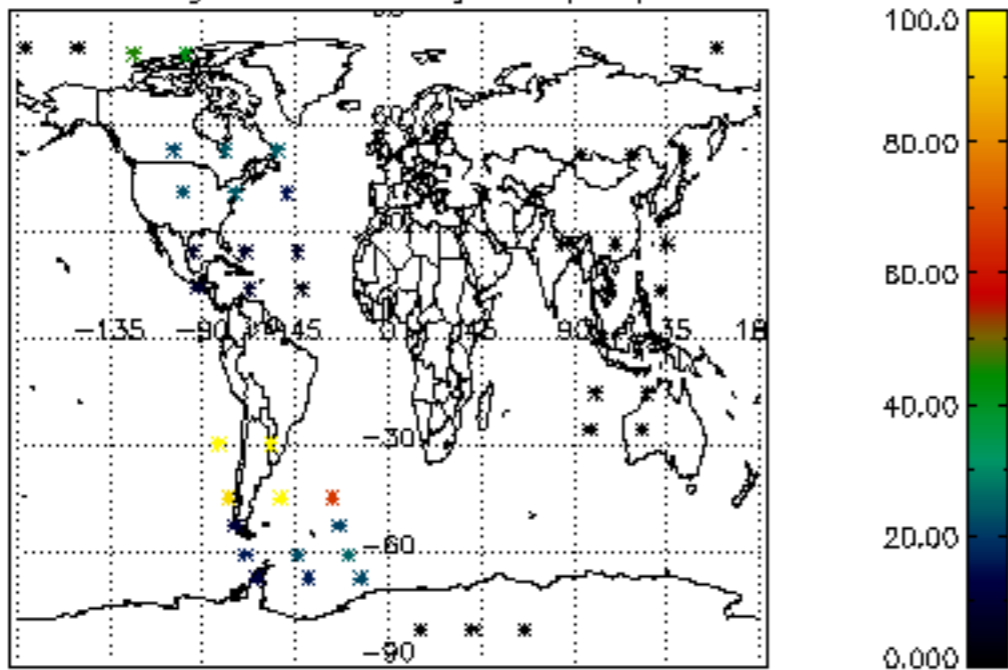




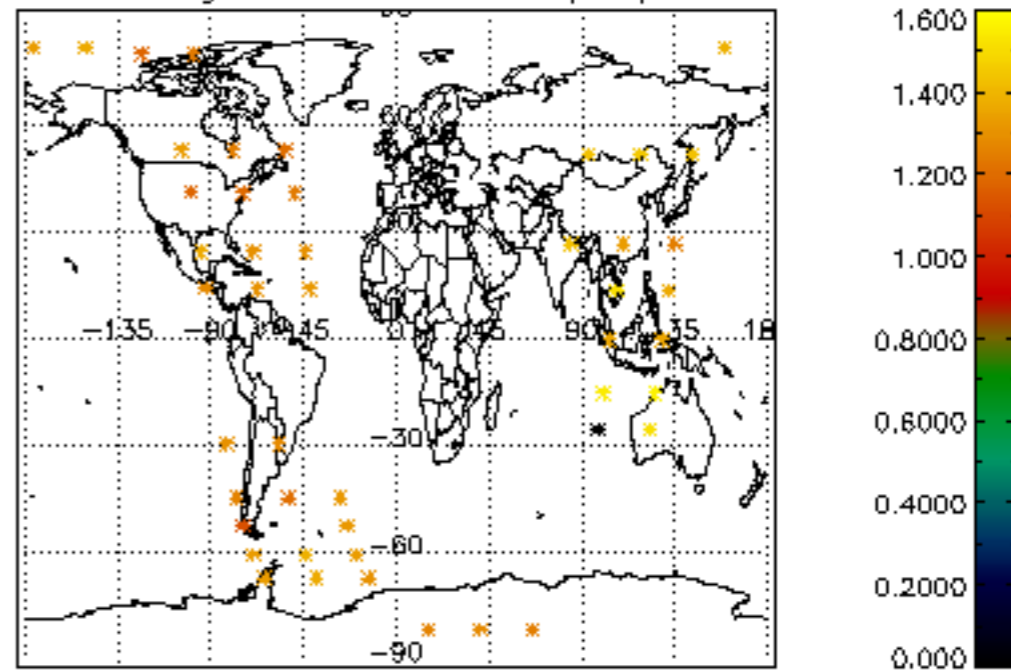




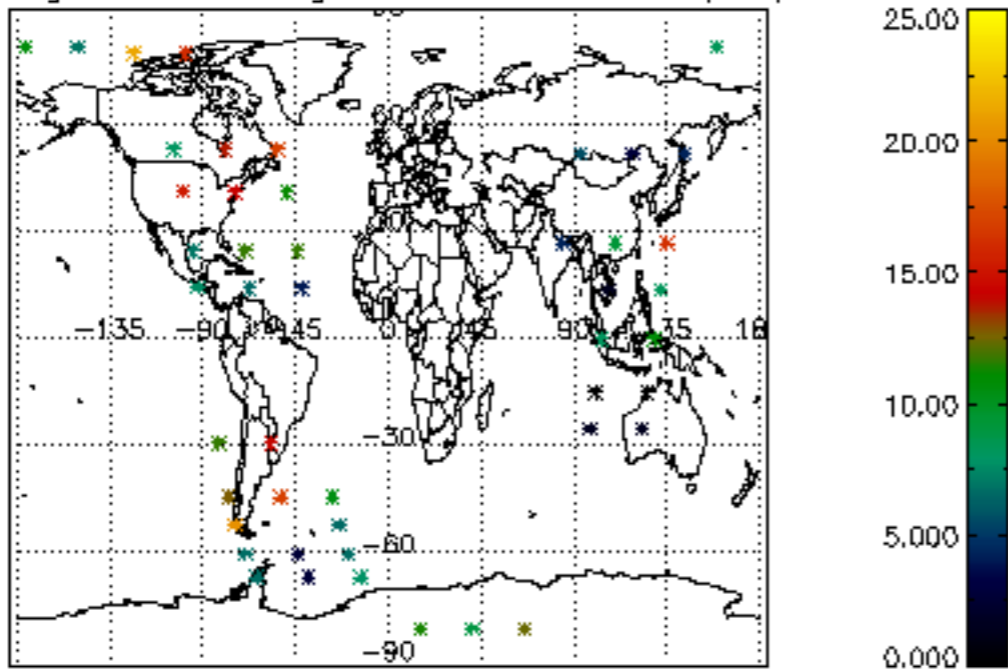
Percentage of cosmic ray hits per profile



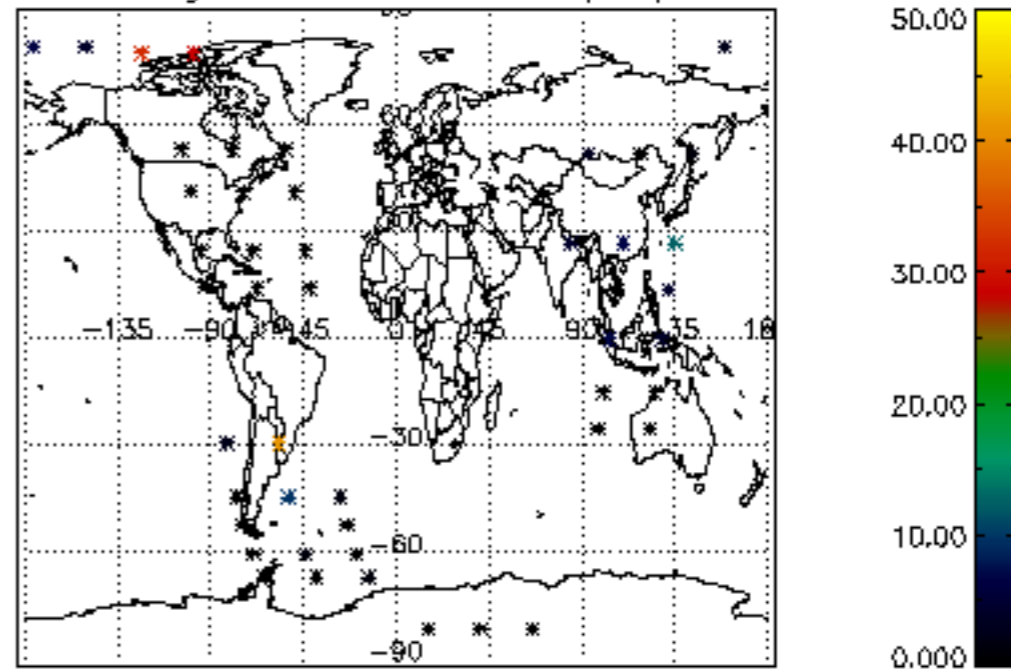
Percentage of datation errors per profile



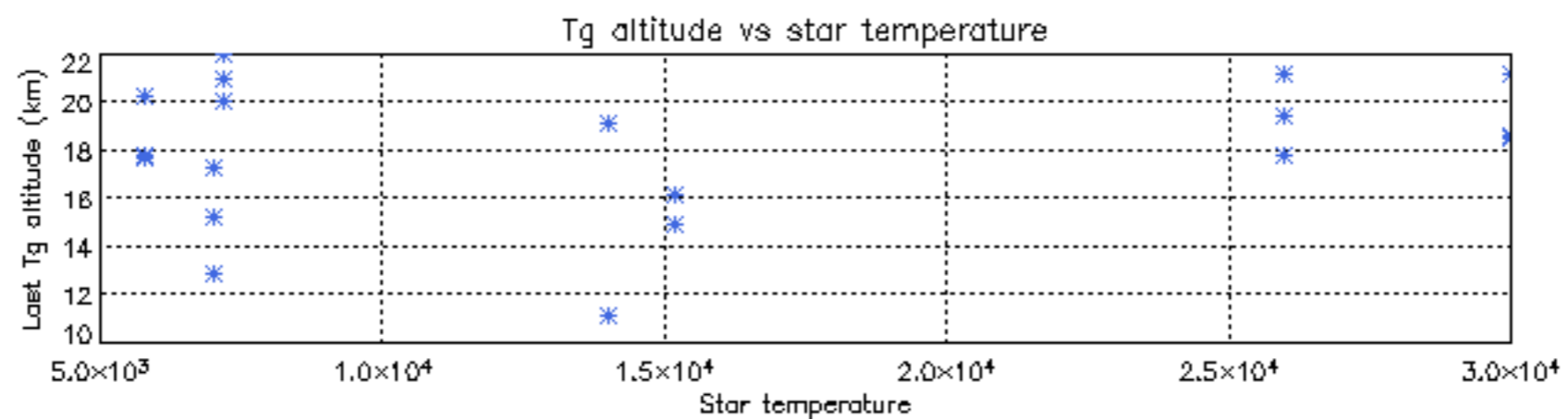
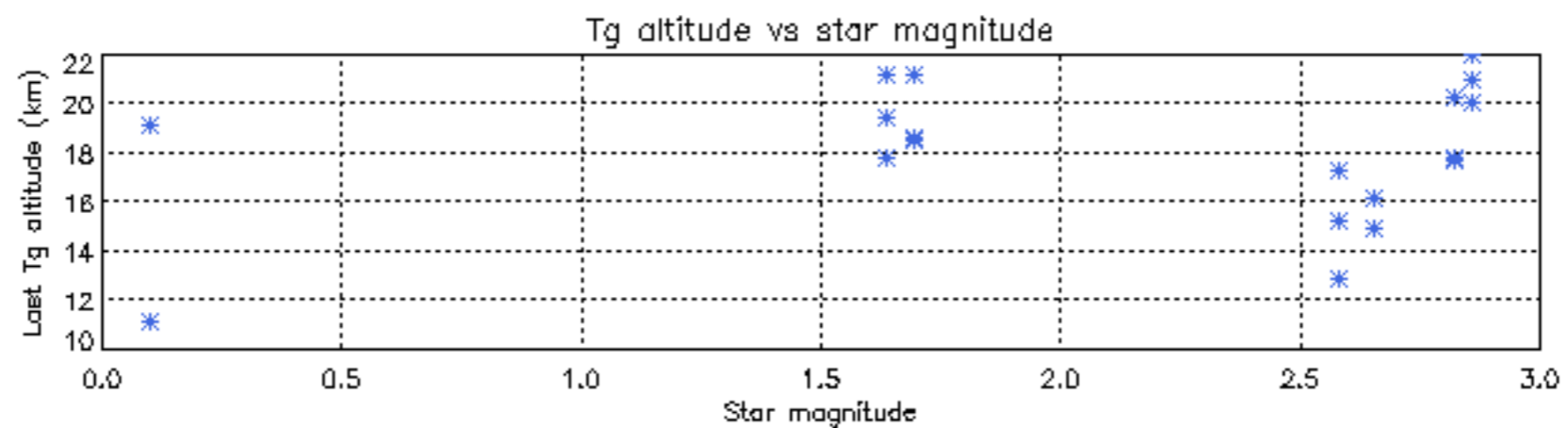
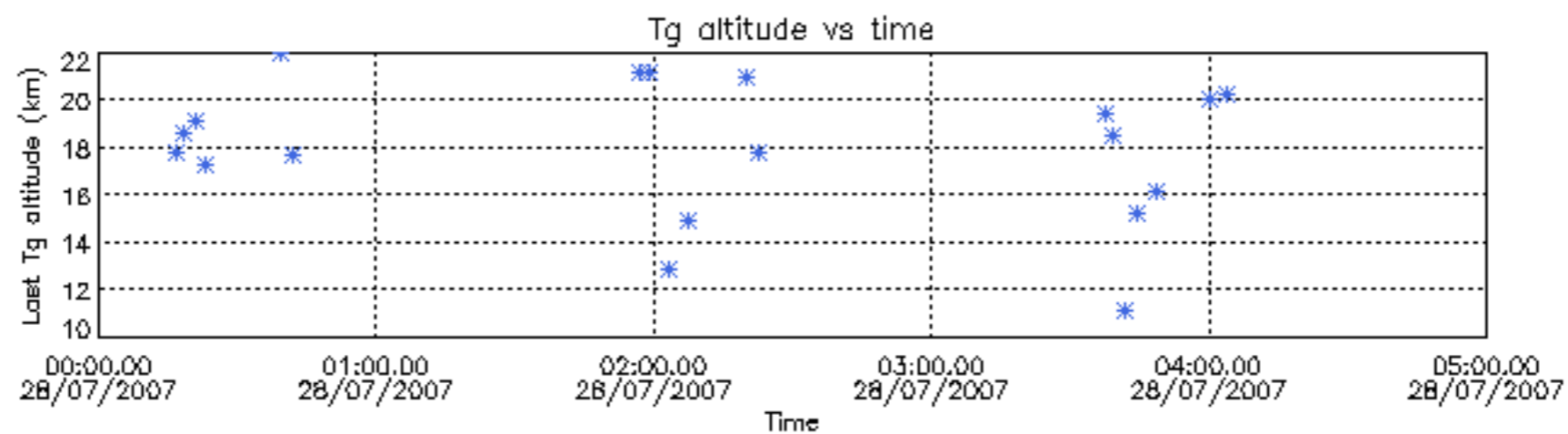
Percentage of star falling outside central band per profile



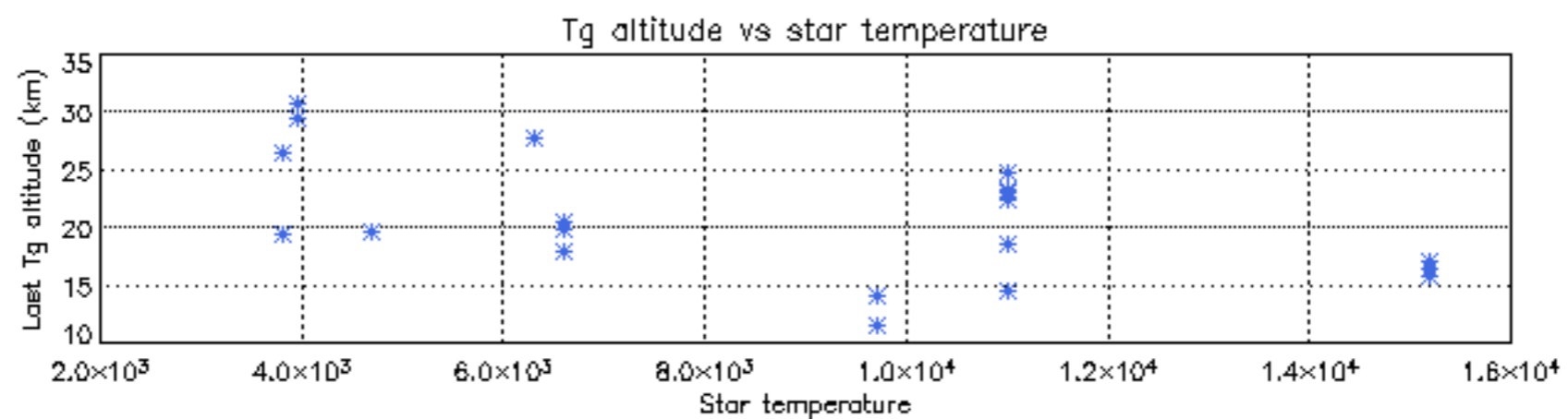
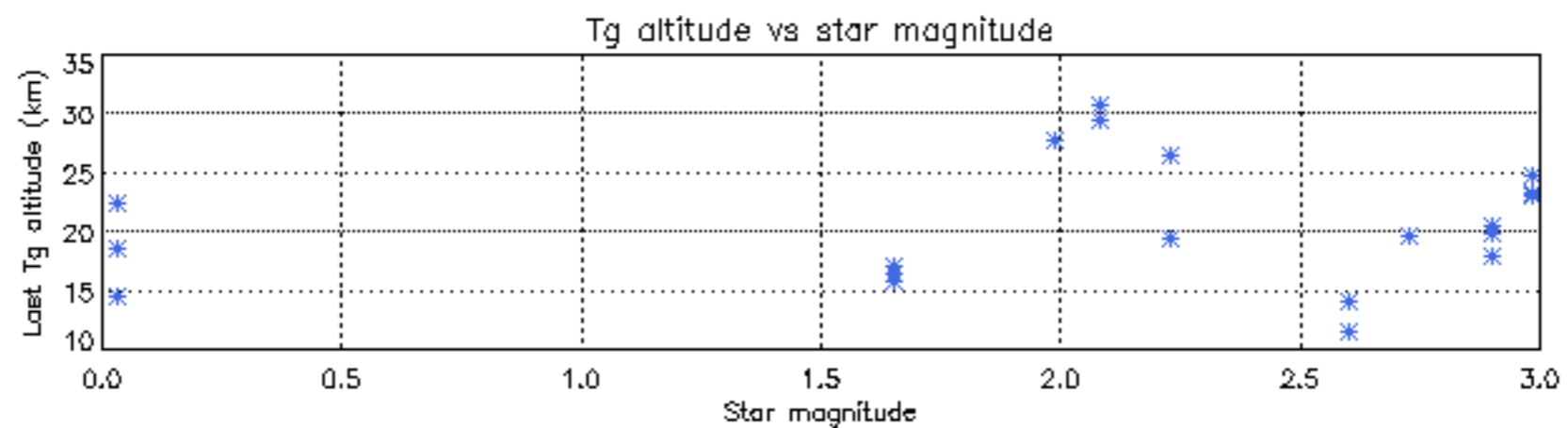
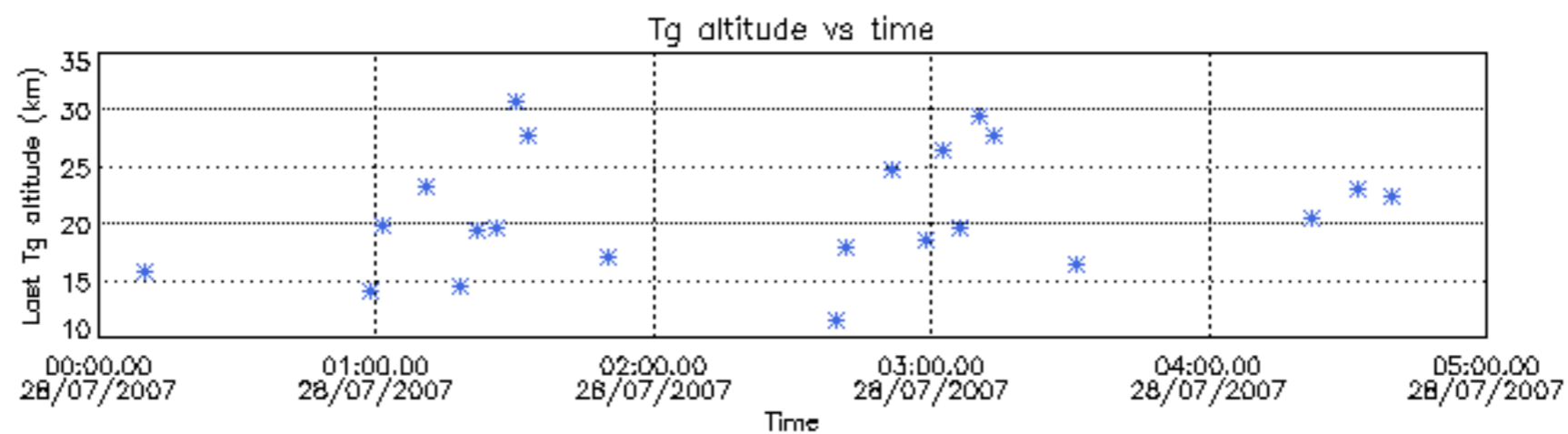
Percentage of saturation errors per profile

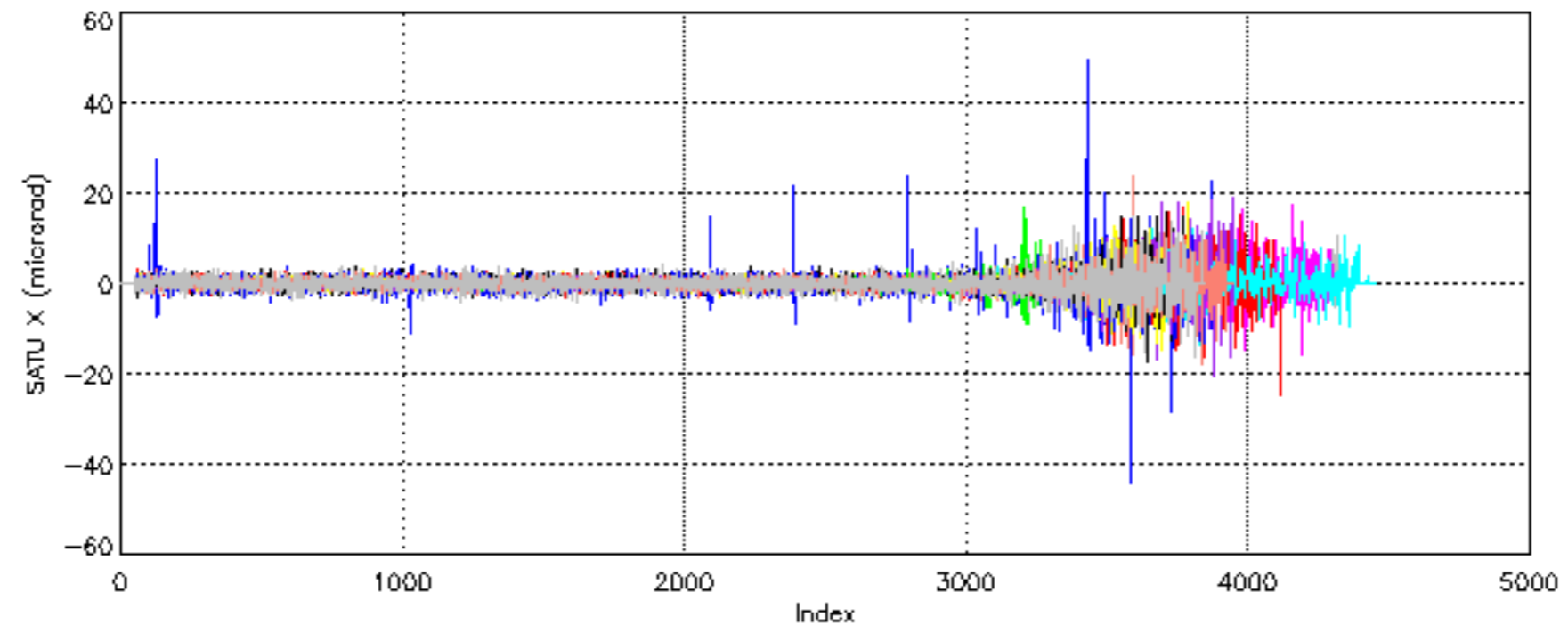


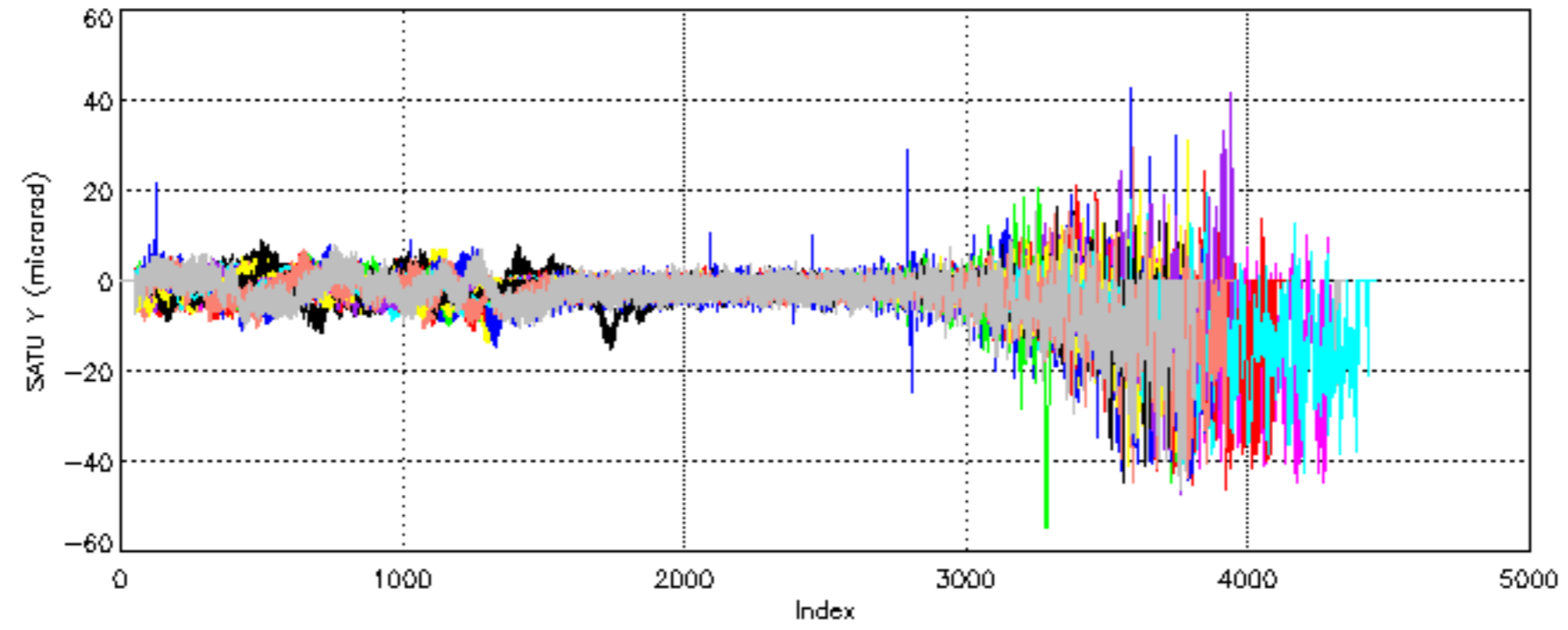
Tangent altitude at which the star is lost

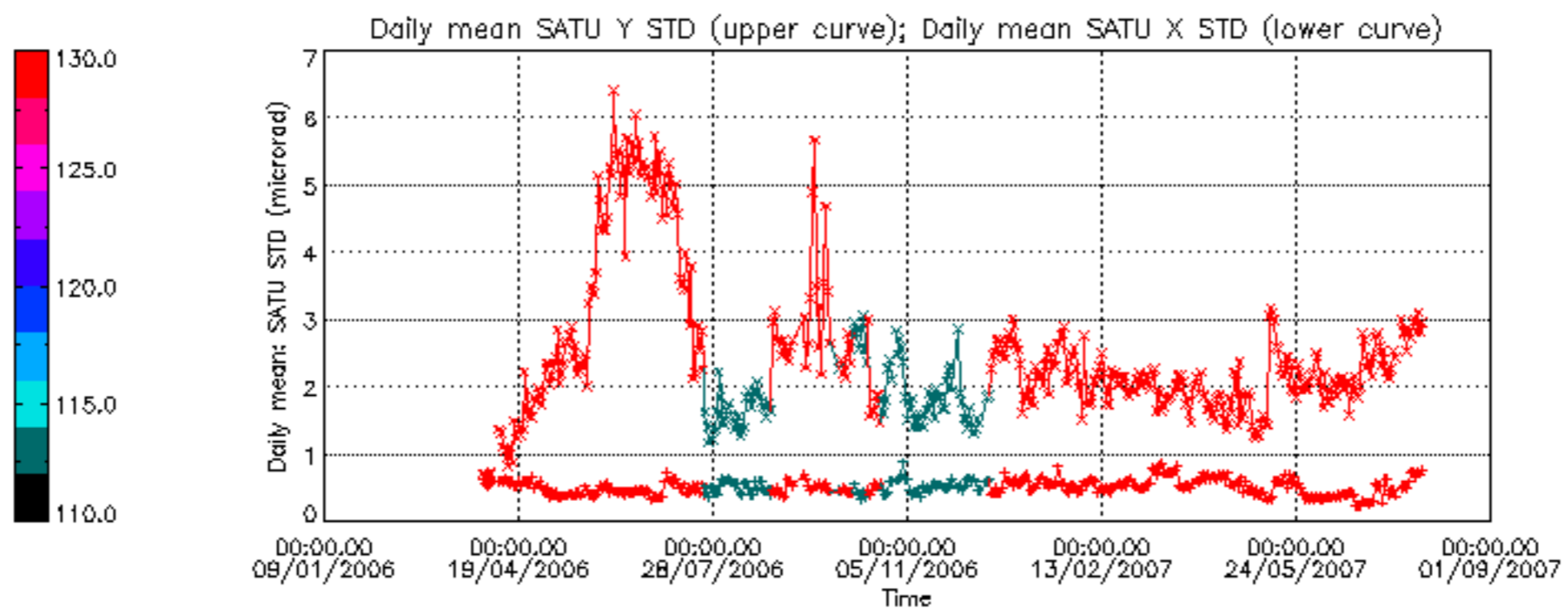


Tangent altitude at which the star is lost









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2; -323.4; 01-JUL-2007 01:18:18; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;27883
3; 33.5; 01-JUL-2007 01:24:15; Dark ; 48.5; 9; Alp Eri ; 0.45; 24000;occ; 97; 0;27884
4; 480.3; 01-JUL-2007 01:31:42; Dark ; 41.0; 148; Alp Tuc ; 2.88; 4100;occ; 82; 0;27884
5; 742.9; 01-JUL-2007 01:36:04; Dark ; 41.0; 45; Alp Pav ; 1.94; 26000;occ; 82; 0;27884
6; 1062.1; 01-JUL-2007 01:41:23; Dark ; 38.0; 147; Alp Ara ; 2.88; 26000;occ; 76; 0;27884
7; 1170.1; 01-JUL-2007 01:43:11; Dark ; 41.5; 40; The Sco ; 1.86; 7100;occ; 83; 0;27884
8; 1269.9; 01-JUL-2007 01:44:51; Dark ; 41.0; 25; 35Lam Sco ; 1.62; 28000;occ; 82; 0;27884
9; 1354.5; 01-JUL-2007 01:46:16; Dark ; 44.5; 116; 19Del Sgr ; 2.70; 4100;occ; 89; 0;27884
10; 1642.0; 01-JUL-2007 01:51:03; Bright; 37.0; 86; 35Eta Oph ; 2.43; 10200;occ; 74; 0;27884
11; 1982.2; 01-JUL-2007 01:56:43; Bright; 36.0; 126; 60Bet Oph ; 2.77; 4250;occ; 72; 0;27884
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13; 2283.2; 01-JUL-2007 02:01:44; Bright; 35.5; 127; 27Bet Her ; 2.78; 4700;occ; 71; 0;27884
14; 2447.8; 01-JUL-2007 02:04:29; Bright; 36.5; 133; 40Zet Her ; 2.81; 6000;occ; 73; 0;27884
15; 2810.0; 01-JUL-2007 02:10:31; Bright; 38.0; 130; 23Bet Dra ; 2.80; 5800;occ; 76; 0;27884
16; 2952.4; 01-JUL-2007 02:12:54; Bright; 36.0; 119; 14Eta Dra ; 2.73; 4700;occ; 72; 0;27884
17; 3190.9; 01-JUL-2007 02:16:52; Bright; 32.5; 60; 7Bet UMi ; 2.08; 3950;occ; 65; 0;27884
18; 3445.4; 01-JUL-2007 02:21:07; Bright; 35.5; 49; 1Alp UMi ; 1.99; 6300;occ; 71; 0;27884

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4; -322.8; 01-JUL-2007 02:58:54; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;27884
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6; 481.1; 01-JUL-2007 03:12:18; Dark ; 40.5; 148; Alp Tuc ; 2.88; 4100;occ; 81; 0;27885
7; 743.5; 01-JUL-2007 03:16:41; Dark ; 41.5; 45; Alp Pav ; 1.94; 26000;occ; 83; 0;27885
8; 1062.3; 01-JUL-2007 03:21:59; Dark ; 37.0; 147; Alp Ara ; 2.88; 26000;occ; 74; 0;27885
9; 1170.4; 01-JUL-2007 03:23:47; Dark ; 41.0; 40; The Sco ; 1.86; 7100;occ; 82; 0;27885
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11; 1354.8; 01-JUL-2007 03:26:52; Dark ; 53.0; 116; 19Del Sgr ; 2.70; 4100;occ; 106; 0;27885
12; 1642.3; 01-JUL-2007 03:31:39; Bright; 36.0; 86; 35Eta Oph ; 2.43; 10200;occ; 72; 0;27885
13; 1982.3; 01-JUL-2007 03:37:19; Bright; 37.5; 126; 60Bet Oph ; 2.77; 4250;occ; 75; 0;27885
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15; 2283.4; 01-JUL-2007 03:42:20; Bright; 34.5; 127; 27Bet Her ; 2.78; 4700;occ; 69; 0;27885
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6; 481.7; 01-JUL-2007 04:52:55; Dark ; 44.0; 148; Alp Tuc ; 2.88; 4100;occ; 88; 0;27886
7; 743.9; 01-JUL-2007 04:57:17; Dark ; 40.0; 45; Alp Pav ; 1.94; 26000;occ; 80; 0;27886
8; 1062.5; 01-JUL-2007 05:02:36; Dark ; 37.0; 147; Alp Ara ; 2.88; 26000;occ; 74; 0;27886
9; 1170.6; 01-JUL-2007 05:04:24; Dark ; 46.0; 40; The Sco ; 1.86; 7100;occ; 92; 0;27886
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11; 1355.1; 01-JUL-2007 05:07:28; Dark ; 55.0; 116; 19Del Sgr ; 2.70; 4100;occ; 110; 0;27886
12; 1642.5; 01-JUL-2007 05:12:16; Bright; 36.0; 86; 35Eta Oph ; 2.43; 10200;occ; 72; 0;27886
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6; 482.3; 01-JUL-2007 06:33:31; Dark ; 42.5; 148; Alp Tuc ; 2.88; 4100;occ; 85; 0;27887

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13; 1982.3; 01-JUL-2007 06:58:31; Bright; 36.5; 126; 60Bet Oph ; 2.77; 4250;occ; 73; 0;27887
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5; 748.9; 01-JUL-2007 21:43:21; Dark ; 40.0; 45; Alp Pav ; 1.94; 26000;occ; 80; 0;27896
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