

GOMOS Daily Report 29-JUN-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	02JUL2007 14:49:13
Data source version	GOMOS/5.00
Start time of products	29-06-2007 (29JUN2007 00:00:00)
Stop time of products	30-06-2007 (30JUN2007 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)

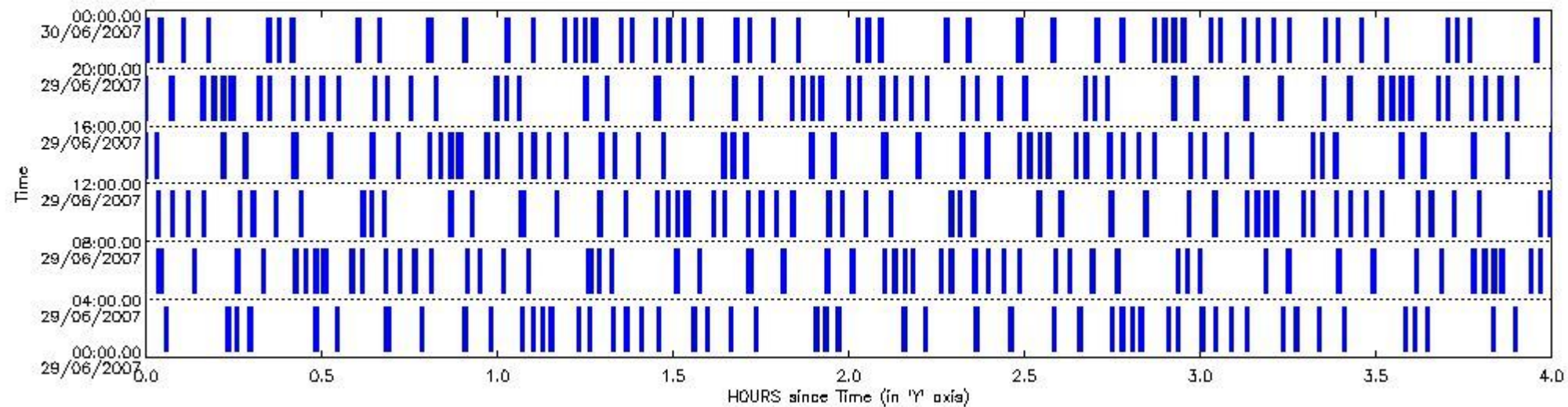
2.1 Level 0 products arrived in PCF (see template [here](#))

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)

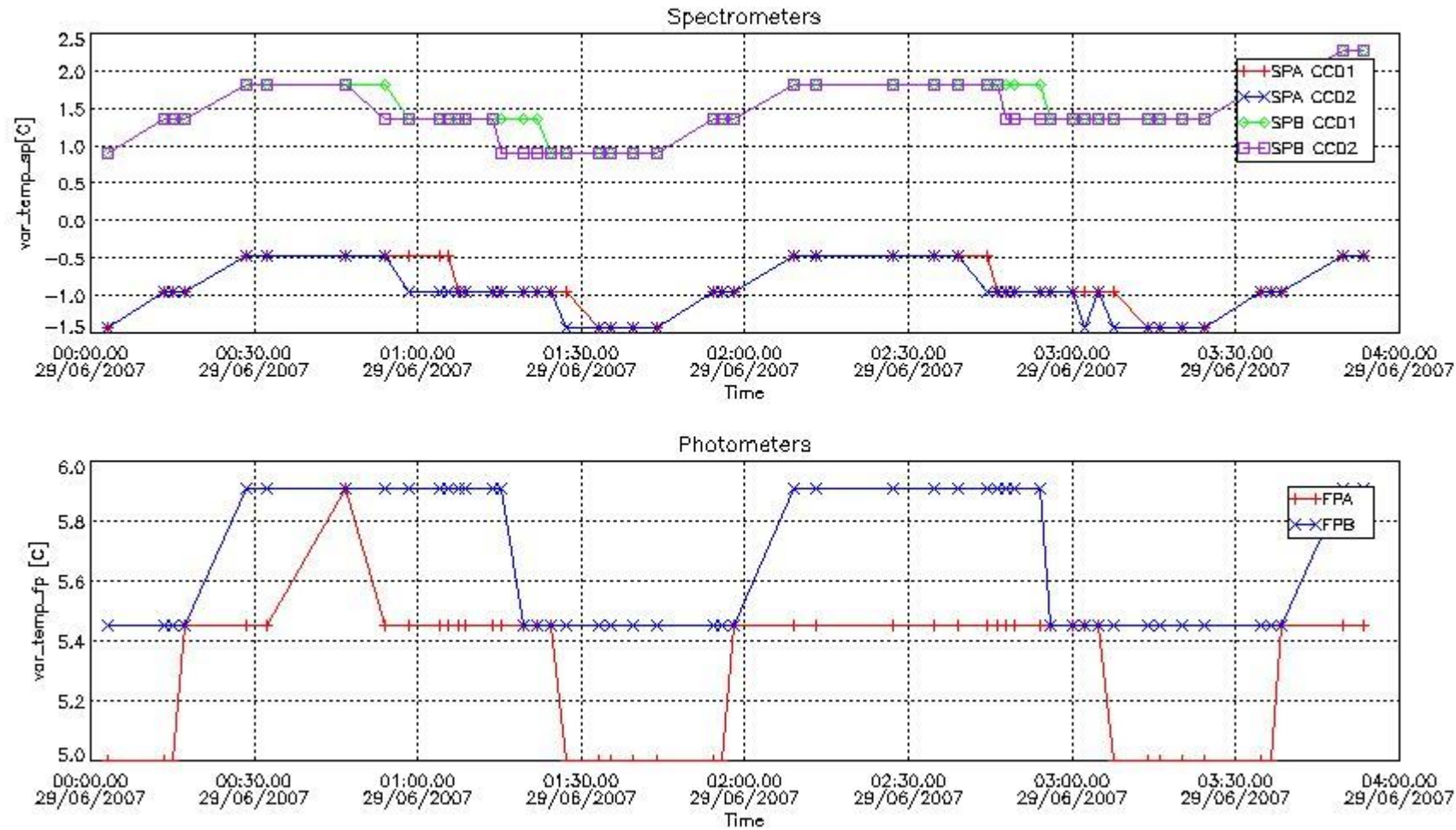
No missing products.

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_1PNPDE20070629_000309_000000362059_00245_27854_3653.N1	29-JUN-2007 00:03:09	Bright	36.000	49	1Alp UMi	1.9900	6300.0	72	27854	No
2	GOM_TRA_1PNPDE20070629_001327_000000472059_00245_27854_3654.N1	29-JUN-2007 00:13:27	Bright	47.000	160	23Gam Per	2.9300	4700.0	94	27854	No
3	GOM_TRA_1PNPDE20070629_001507_000000322059_00245_27854_3655.N1	29-JUN-2007 00:15:07	Bright	32.000	175	39Del Per	3.0100	19400.	64	27854	No
4	GOM_TRA_1PNPDE20070629_001716_000000552059_00245_27854_3656.N1	29-JUN-2007 00:17:16	Bright	54.500	79	26Bet Per	2.3100	13100.	109	27854	No
5	GOM_TRA_1PNPDE20070629_002826_000000512059_00245_27854_3657.N1	29-JUN-2007 00:28:26	Dark	50.500	94	92Alp Cet	2.5260	3100.0	101	27854	No
6	GOM_TRA_1PNPDE20070629_003215_000000372059_00245_27854_3658.N1	29-JUN-2007 00:32:15	Dark	37.000	165	34Gam Eri	2.9500	3200.0	74	27854	No
7	GOM_TRA_1PNPDE20070629_004639_000000392059_00246_27855_3947.N1	29-JUN-2007 00:46:39	Dark	39.000	9	Alp Eri	0.45300	24000.	78	27855	No
8	GOM_TRA_1PNPDE20070629_005402_000000412059_00246_27855_3948.N1	29-JUN-2007 00:54:02	Straylight	41.000	148	Alp Tuc	2.8780	4100.0	82	27855	No
9	GOM_TRA_1PNPDE20070629_005827_000000402059_00246_27855_3949.N1	29-JUN-2007 00:58:27	Straylight	39.500	45	Alp Pav	1.9400	26000.	79	27855	No
10	GOM_TRA_1PNPDE20070629_010355_000000372059_00246_27855_3950.N1	29-JUN-2007 01:03:55	Straylight	37.000	147	Alp Ara	2.8770	26000.	74	27855	No
11	GOM_TRA_1PNPDE20070629_010543_000000402059_00246_27855_3951.N1	29-JUN-2007 01:05:43	Twilight_stray	40.000	40	The Sco	1.8590	7100.0	80	27855	No
12	GOM_TRA_1PNPDE20070629_010723_000000392059_00246_27855_3952.N1	29-JUN-2007 01:07:23	Twilight_stray	39.000	25	35Lam Sco	1.6200	28000.	78	27855	No

13	GOM_TRA_1PNPDE20070629_010847_000000462059_00246_27855_3953.N1	29-JUN-2007 01:08:47	Bright	46.000	116	19Del Sgr	2.7000	4100.0	92	27855	No
14	GOM_TRA_1PNPDE20070629_011337_000000372059_00246_27855_3954.N1	29-JUN-2007 01:13:37	Bright	36.500	86	35Eta Oph	2.4300	10200.	73	27855	No
15	GOM_TRA_1PNPDE20070629_011521_000000362059_00246_27855_3955.N1	29-JUN-2007 01:15:21	Bright	36.000	98	13Zet Oph	2.5710	30000.	72	27855	No
16	GOM_TRA_1PNPDE20070629_011922_000000372059_00246_27855_3956.N1	29-JUN-2007 01:19:22	Bright	37.000	126	60Bet Oph	2.7700	4250.0	74	27855	No
17	GOM_TRA_1PNPDE20070629_012143_000000382059_00246_27855_3957.N1	29-JUN-2007 01:21:43	Bright	38.000	59	55Alp Oph	2.0800	8900.0	76	27855	No
18	GOM_TRA_1PNPDE20070629_012419_000000362059_00246_27855_3958.N1	29-JUN-2007 01:24:19	Bright	36.000	127	27Bet Her	2.7810	4700.0	72	27855	No
19	GOM_TRA_1PNPDE20070629_012705_000000362059_00246_27855_3959.N1	29-JUN-2007 01:27:05	Bright	35.500	133	40Zet Her	2.8070	6000.0	71	27855	No
20	GOM_TRA_1PNPDE20070629_013314_000000372059_00246_27855_3960.N1	29-JUN-2007 01:33:14	Bright	37.000	130	23Bet Dra	2.7990	5800.0	74	27855	No
21	GOM_TRA_1PNPDE20070629_013531_000000362059_00246_27855_3961.N1	29-JUN-2007 01:35:31	Bright	35.500	119	14Eta Dra	2.7270	4700.0	71	27855	No
22	GOM_TRA_1PNPDE20070629_013926_000000362059_00246_27855_3962.N1	29-JUN-2007 01:39:26	Bright	36.000	60	7Bet UMi	2.0810	3950.0	72	27855	No
23	GOM_TRA_1PNPDE20070629_014345_000000342059_00246_27855_3963.N1	29-JUN-2007 01:43:45	Bright	33.500	49	1Alp UMi	1.9900	6300.0	67	27855	No
24	GOM_TRA_1PNPDE20070629_015404_000000482059_00246_27855_3964.N1	29-JUN-2007 01:54:04	Bright	47.500	160	23Gam Per	2.9300	4700.0	95	27855	No
25	GOM_TRA_1PNPDE20070629_015543_000000342059_00246_27855_3965.N1	29-JUN-2007 01:55:43	Bright	34.000	175	39Del Per	3.0100	19400.	68	27855	No
26	GOM_TRA_1PNPDE20070629_015752_000000452059_00246_27855_3966.N1	29-JUN-2007 01:57:52	Bright	45.000	79	26Bet Per	2.3100	13100.	90	27855	No
27	GOM_TRA_1PNPDE20070629_020903_000000442059_00246_27855_3967.N1	29-JUN-2007 02:09:03	Dark	44.000	94	92Alp Cet	2.5260	3100.0	88	27855	No
28	GOM_TRA_1PNPDE20070629_021251_000000352059_00246_27855_4099.N1	29-JUN-2007 02:12:51	Dark	34.500	165	34Gam Eri	2.9500	3200.0	69	27855	No
29	GOM_TRA_1PNPDE20070629_022715_000000452059_00247_27856_4100.N1	29-JUN-2007 02:27:15	Dark	45.000	9	Alp Eri	0.45300	24000.	90	27856	No
30	GOM_TRA_1PNPDE20070629_023439_000000412059_00247_27856_4101.N1	29-JUN-2007 02:34:39	Straylight	41.000	148	Alp Tuc	2.8780	4100.0	82	27856	No
31	GOM_TRA_1PNPDE20070629_023904_000000422059_00247_27856_4102.N1	29-JUN-2007 02:39:04	Straylight	42.000	45	Alp Pav	1.9400	26000.	84	27856	No
32	GOM_TRA_1PNPDE20070629_024432_000000382059_00247_27856_4103.N1	29-JUN-2007 02:44:32	Straylight	37.500	147	Alp Ara	2.8770	26000.	75	27856	No
33	GOM_TRA_1PNPDE20070629_024619_000000422059_00247_27856_4104.N1	29-JUN-2007 02:46:19	Tw_i_and_stray	41.500	40	The Sco	1.8590	7100.0	83	27856	No
34	GOM_TRA_1PNPDE20070629_024759_000000432059_00247_27856_4105.N1	29-JUN-2007 02:47:59	Tw_i_and_stray	43.000	25	35Lam Sco	1.6200	28000.	86	27856	No
35	GOM_TRA_1PNPDE20070629_024923_000000502059_00247_27856_4106.N1	29-JUN-2007 02:49:23	Bright	49.500	116	19Del Sgr	2.7000	4100.0	99	27856	No
36	GOM_TRA_1PNPDE20070629_025413_000000372059_00247_27856_4107.N1	29-JUN-2007 02:54:13	Bright	36.500	86	35Eta Oph	2.4300	10200.	73	27856	No
37	GOM_TRA_1PNPDE20070629_025558_000000352059_00247_27856_4108.N1	29-JUN-2007 02:55:58	Bright	35.000	98	13Zet Oph	2.5710	30000.	70	27856	No
38	GOM_TRA_1PNPDE20070629_025958_000000382059_00247_27856_4109.N1	29-JUN-2007 02:59:58	Bright	37.500	126	60Bet Oph	2.7700	4250.0	75	27856	No
39	GOM_TRA_1PNPDE20070629_030219_000000382059_00247_27856_4110.N1	29-JUN-2007 03:02:19	Bright	37.500	59	55Alp Oph	2.0800	8900.0	75	27856	No
40	GOM_TRA_1PNPDE20070629_030455_000000362059_00247_27856_4111.N1	29-JUN-2007 03:04:55	Bright	35.500	127	27Bet Her	2.7810	4700.0	71	27856	No
41	GOM_TRA_1PNPDE20070629_030742_000000342059_00247_27856_4112.N1	29-JUN-2007 03:07:42	Bright	33.500	133	40Zet Her	2.8070	6000.0	67	27856	No
42	GOM_TRA_1PNPDE20070629_031350_000000372059_00247_27856_4113.N1	29-JUN-2007 03:13:50	Bright	37.000	130	23Bet Dra	2.7990	5800.0	74	27856	No
43	GOM_TRA_1PNPDE20070629_031607_000000352059_00247_27856_4114.N1	29-JUN-2007 03:16:07	Bright	35.000	119	14Eta Dra	2.7270	4700.0	70	27856	No
44	GOM_TRA_1PNPDE20070629_032002_000000342059_00247_27856_4115.N1	29-JUN-2007 03:20:02	Bright	33.500	60	7Bet UMi	2.0810	3950.0	67	27856	No
45	GOM_TRA_1PNPDE20070629_032421_000000352059_00247_27856_4116.N1	29-JUN-2007 03:24:21	Bright	35.000	49	1Alp UMi	1.9900	6300.0	70	27856	No
46	GOM_TRA_1PNPDE20070629_033439_000000362059_00247_27856_4327.N1	29-JUN-2007 03:34:39	Bright	36.000	160	23Gam Per	2.9300	4700.0	72	27856	No
47	GOM_TRA_1PNPDE20070629_033619_000000352059_00247_27856_4328.N1	29-JUN-2007 03:36:19	Bright	34.500	175	39Del Per	3.0100	19400.	69	27856	No
48	GOM_TRA_1PNPDE20070629_033828_000000382059_00247_27856_4329.N1	29-JUN-2007 03:38:28	Bright	37.500	79	26Bet Per	2.3100	13100.	75	27856	No
49	GOM_TRA_1PNPDE20070629_034939_000000422059_00247_27856_4330.N1	29-JUN-2007 03:49:39	Dark	41.500	94	92Alp Cet	2.5260	3100.0	83	27856	No
50	GOM_TRA_1PNPDE20070629_035328_000000352059_00247_27856_4331.N1	29-JUN-2007 03:53:28	Dark	34.500	165	34Gam Eri	2.9500	3200.0	69	27856	No

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



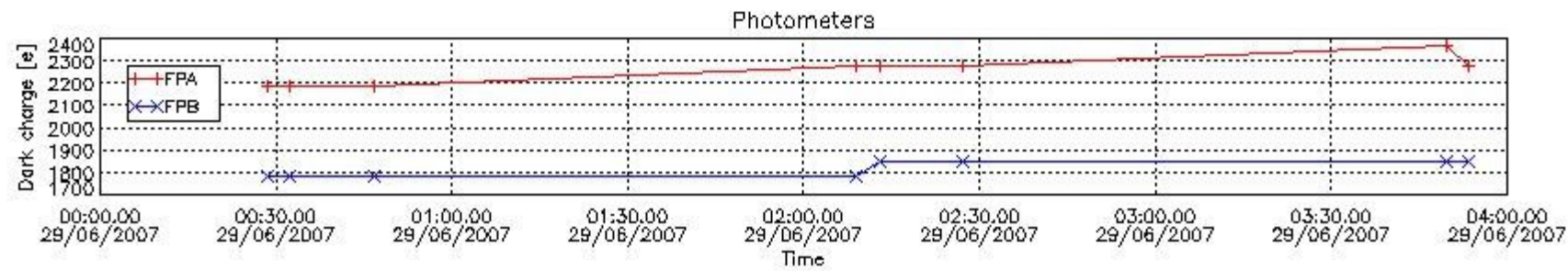
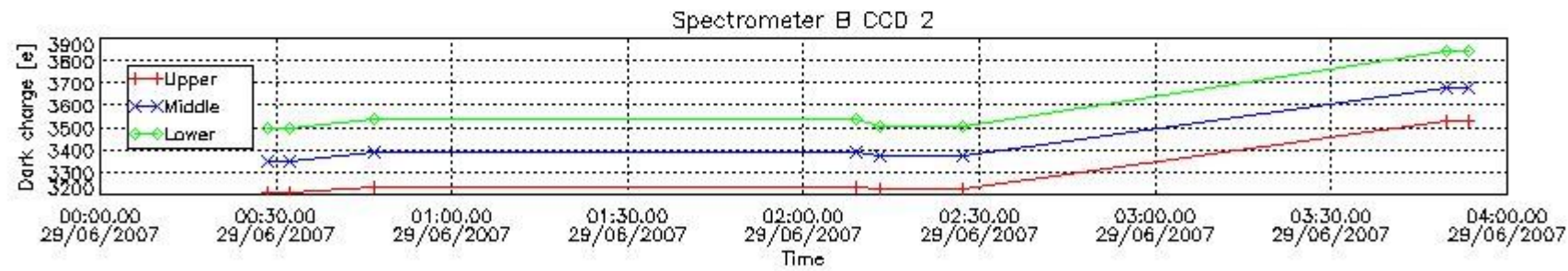
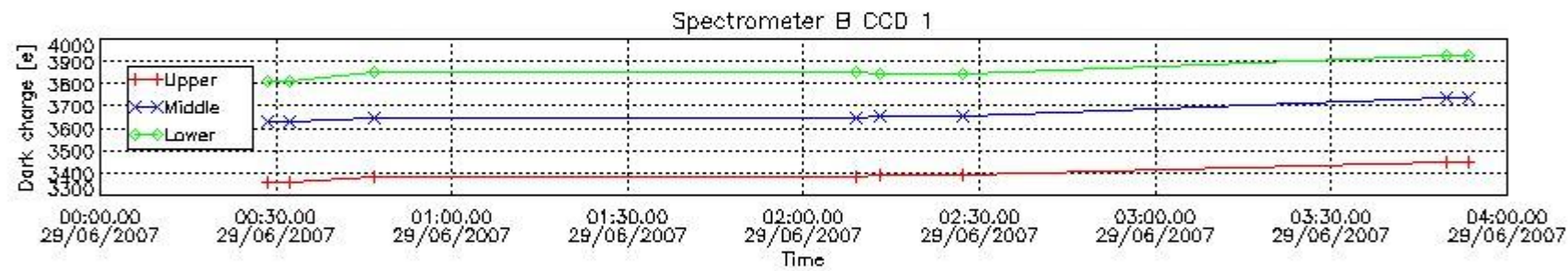
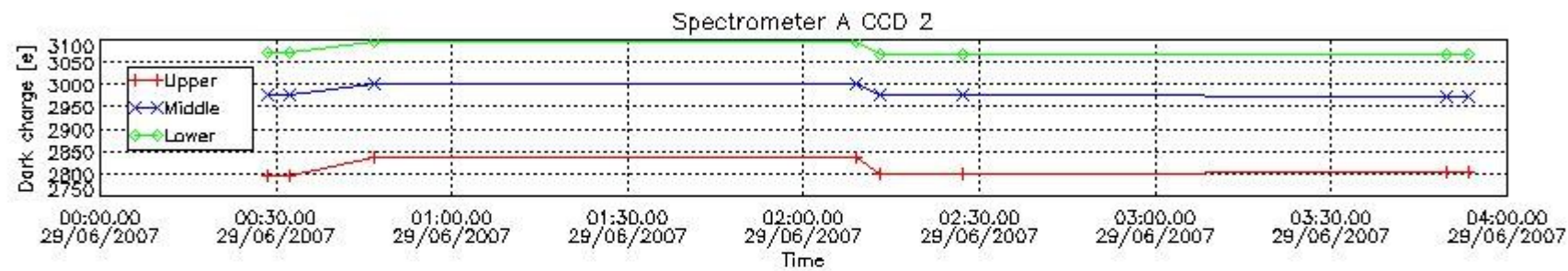
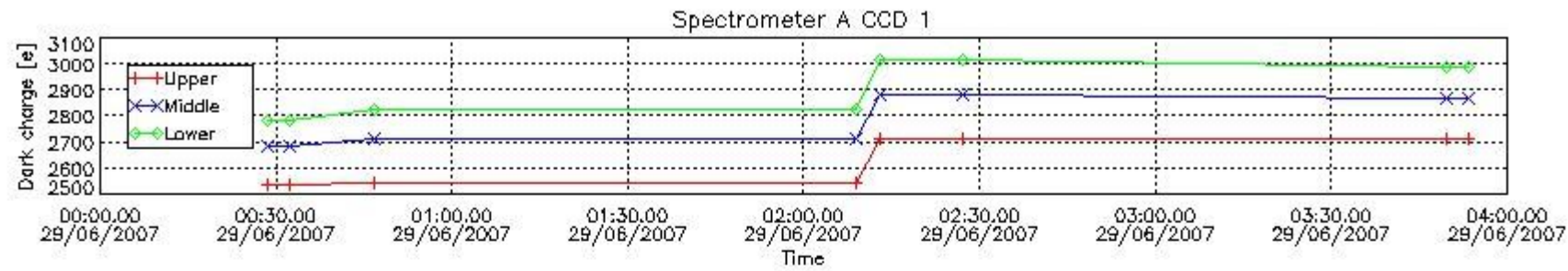
4. Overview of dark signal processing per product

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



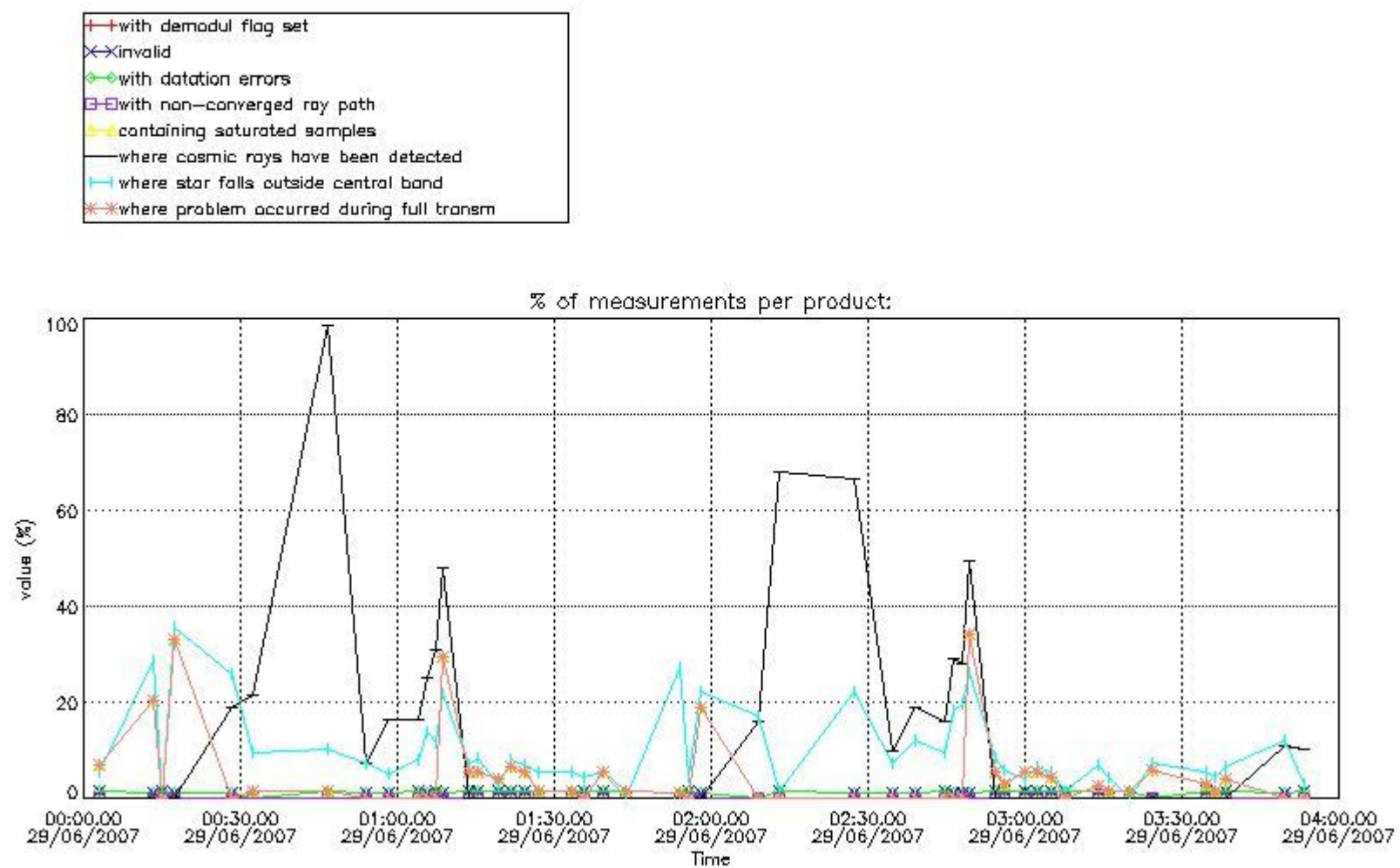
5. Demodulation flag and quality information monitoring

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.

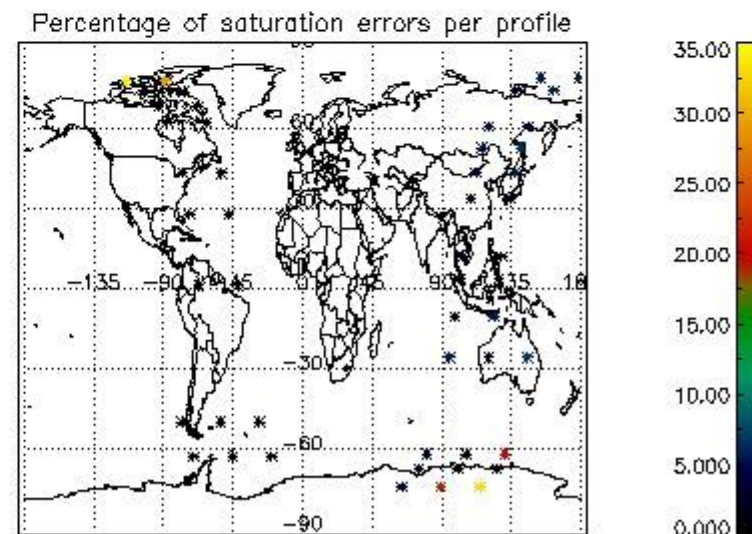
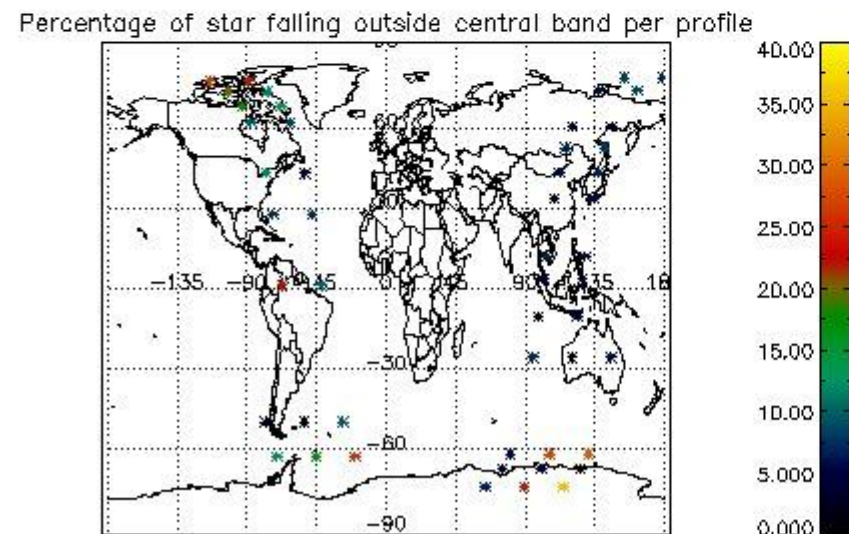
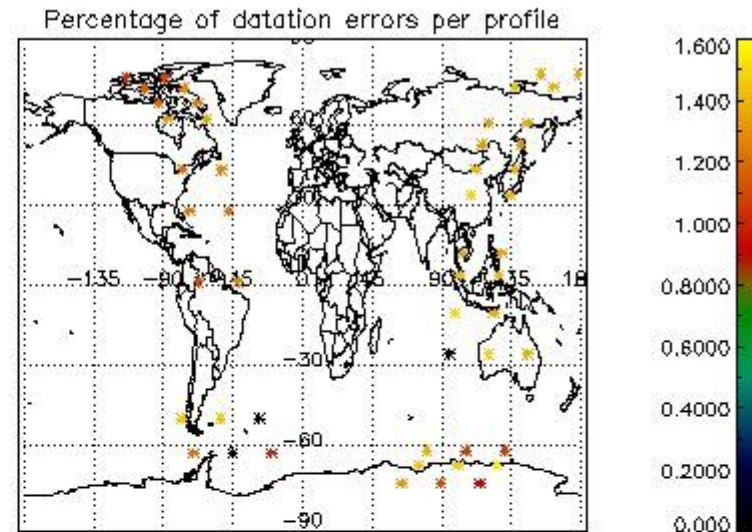
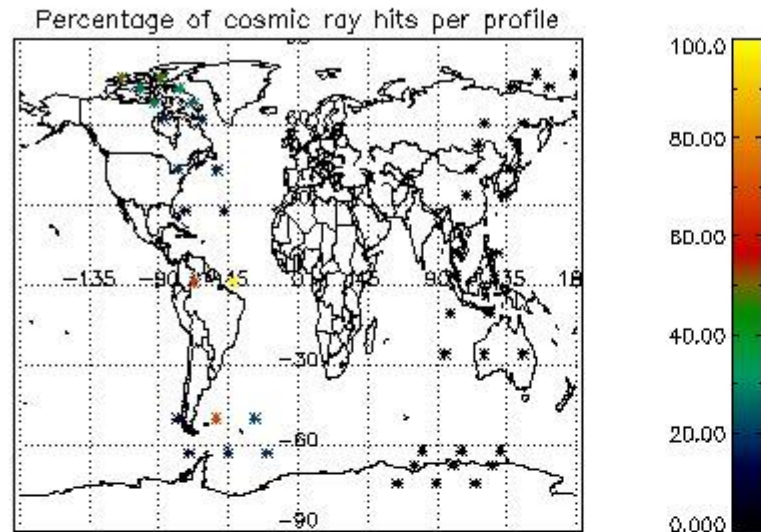
5.1 Percentage of products during reporting period with:

At least one measurement with demodulation flag set:	10.0000 %
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)



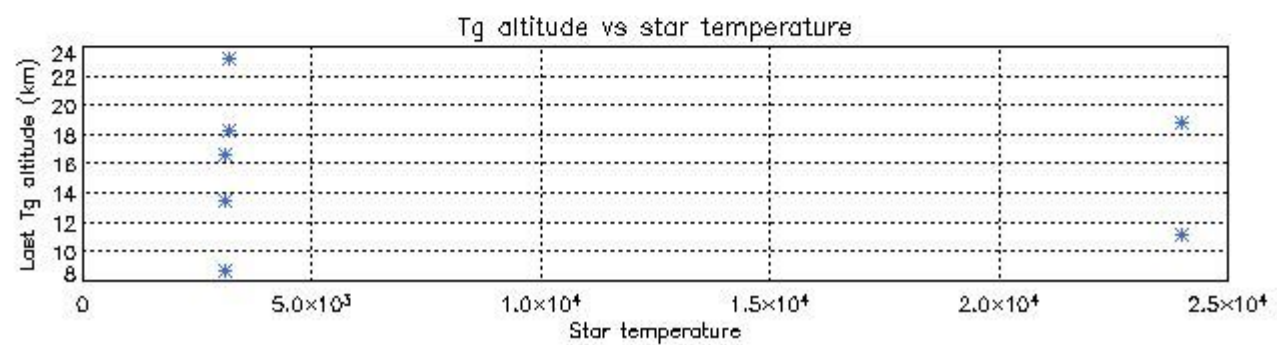
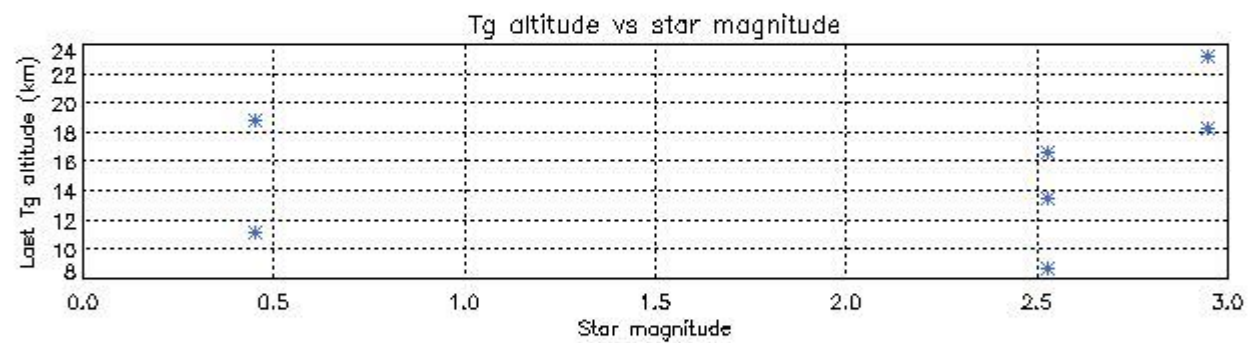
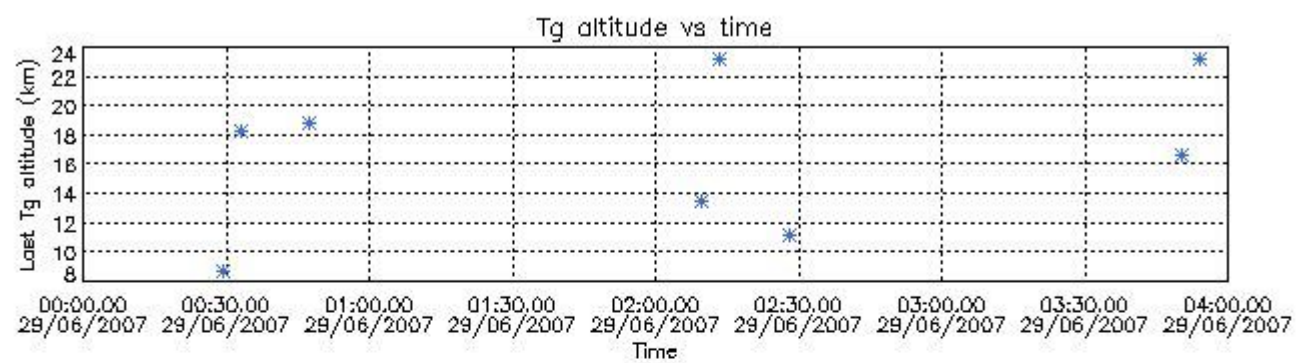
6. Statistics and plot of tangent altitude of the last measurement (DARK & BRIGHT products without errors)

6.1 Statistics on tangent altitude lost:

Statistics	DARK	BRIGHT	TWILIGHT
Mean:	16.694	20.095	NaN
St. deviation:	5.2912	5.8913	NaN
Maximum:	23.235	31.447	NaN
Minimum:	8.7327	4.4165	NaN
Number of data:	8.0000	32.000	NaN

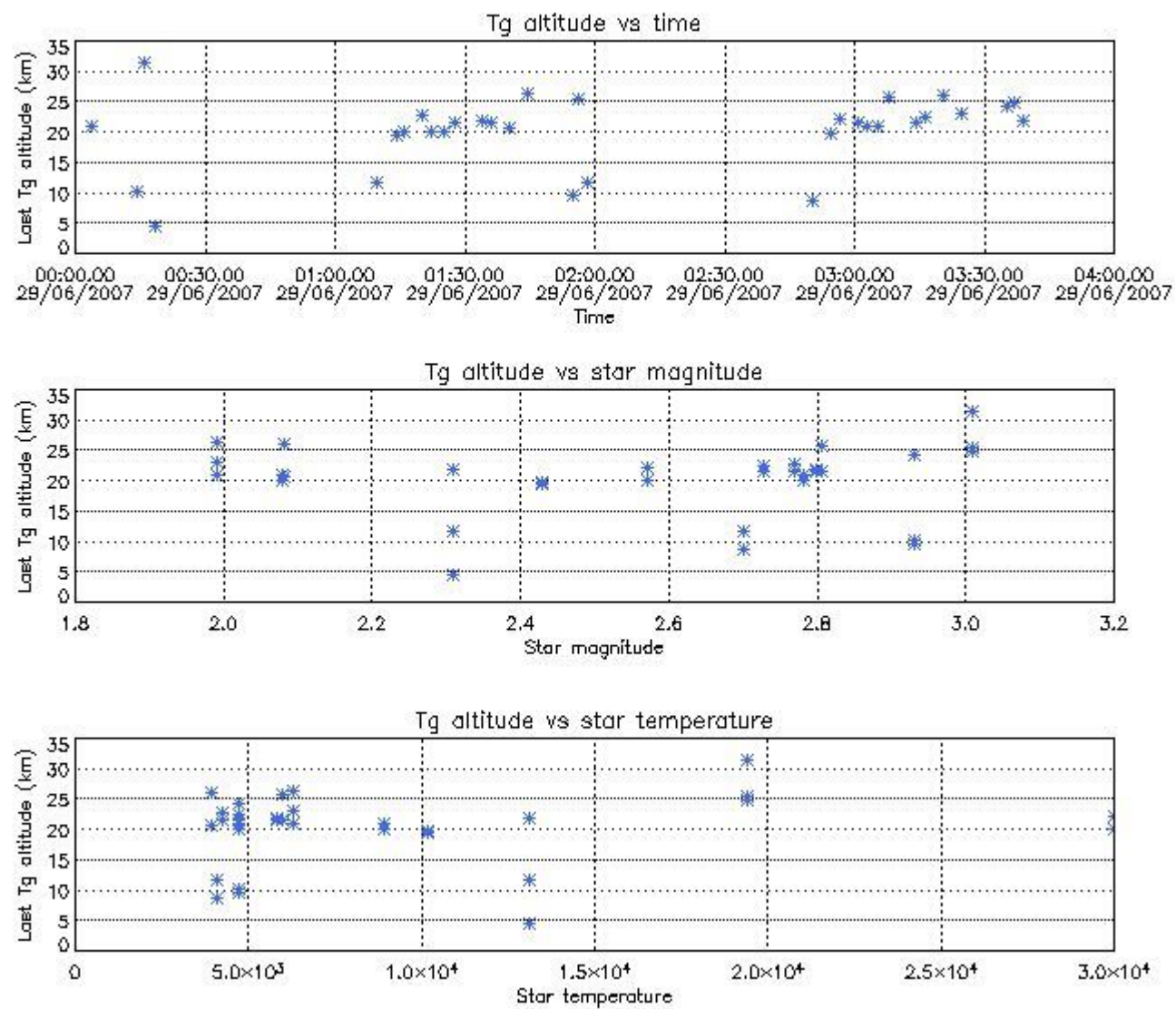
6.2 Plot for DARK limb products

Tangent altitude at which the star is lost



6.3 Plot for BRIGHT limb products

Tangent altitude at which the star is lost

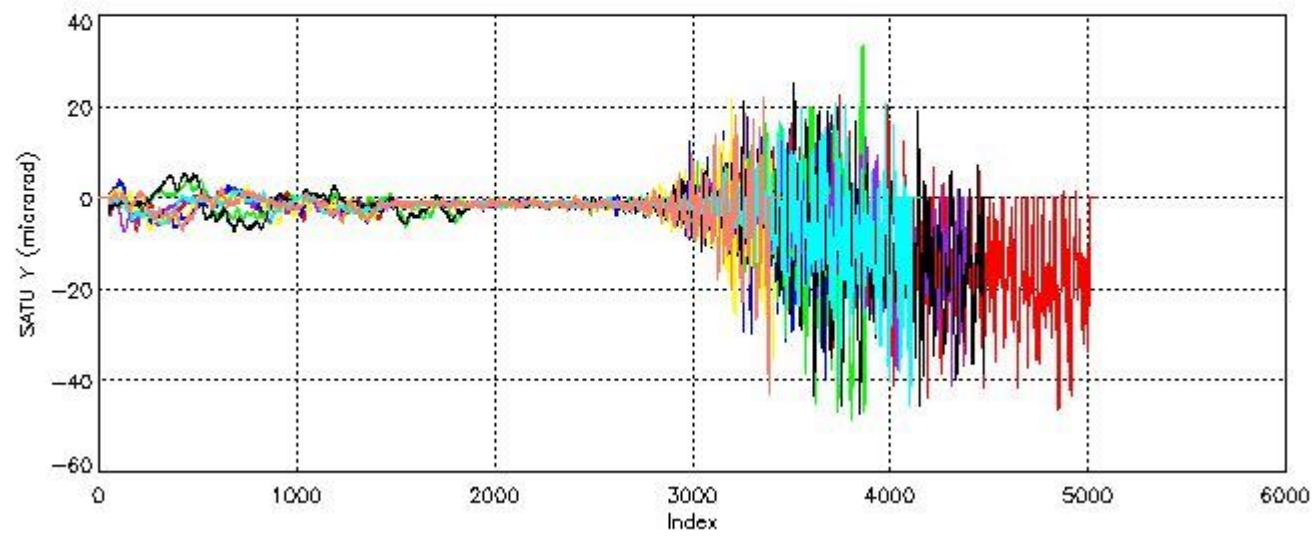
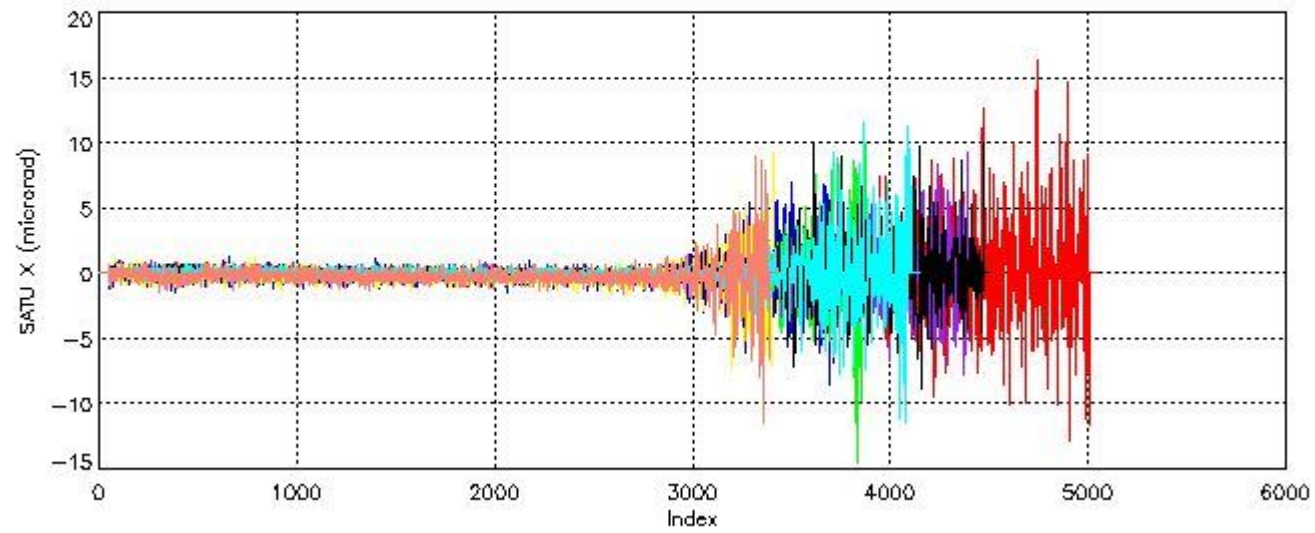


7. Star Acquisition and Tracking Unit (SATU)

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:	-0.016880	-1.4218	0.086329	-1.2495
St. deviation:	0.28381	2.2886	0.81109	2.6198
Maximum:	1.2000	5.5000	8.6000	6.4000
Minimum:	-1.5000	-7.5000	-7.5000	-21.500

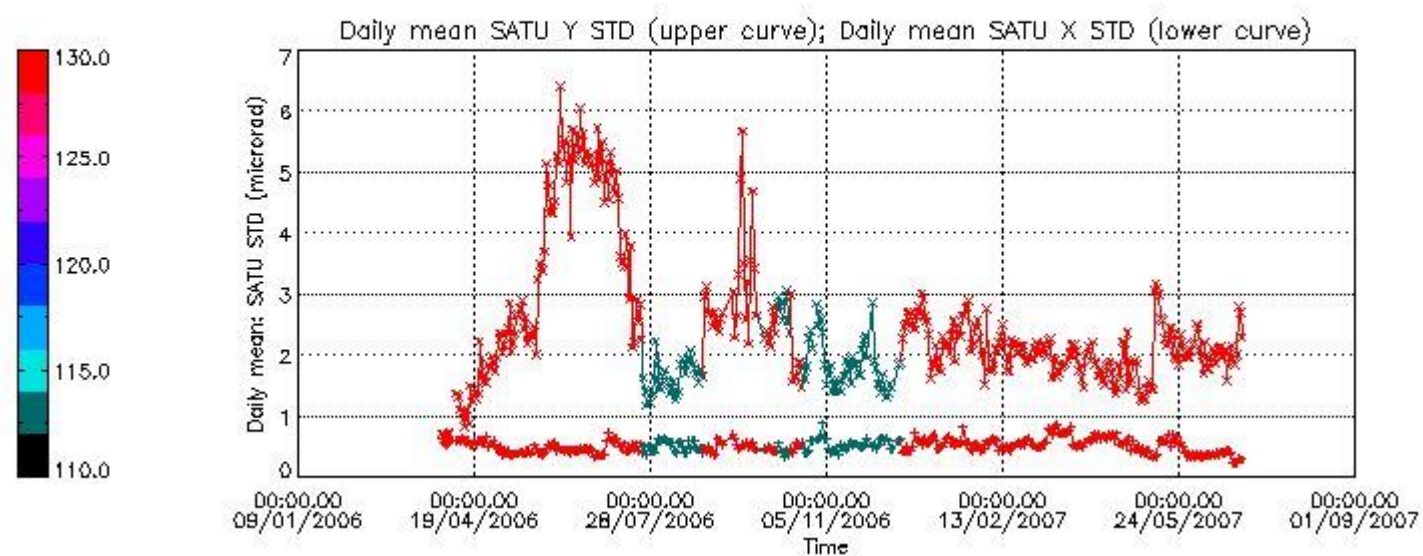
Number of data:	7250.0	7250.0	26850.	26850.
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7.2.2 Trend of daily SATU NEA St. deviation since 1st April 2006 (dark limb)

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.

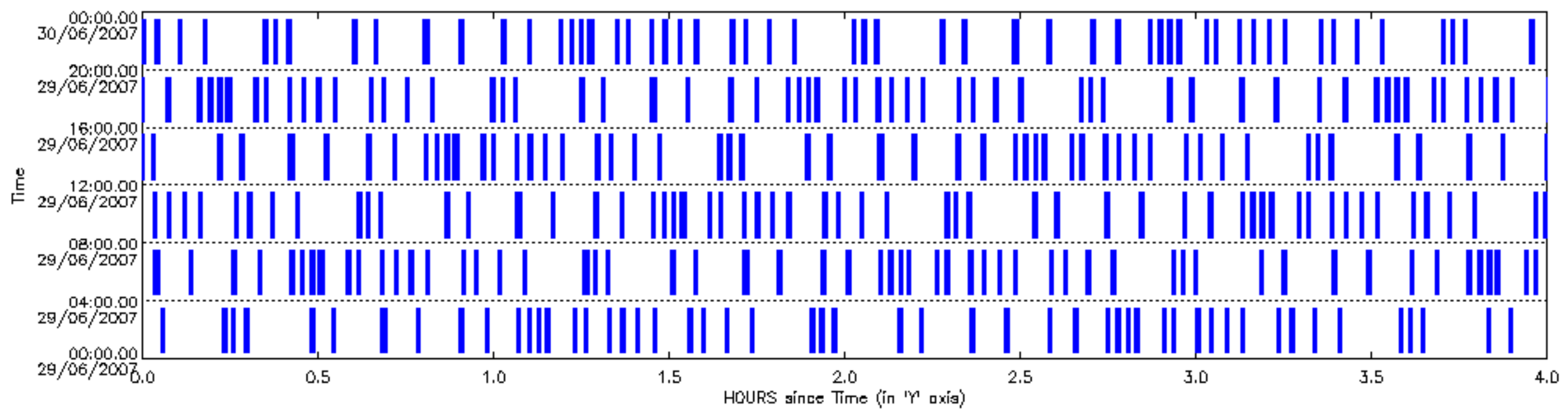
Upper curve: STD of SATU Y axis
Lower curve: STD of SATU X axis

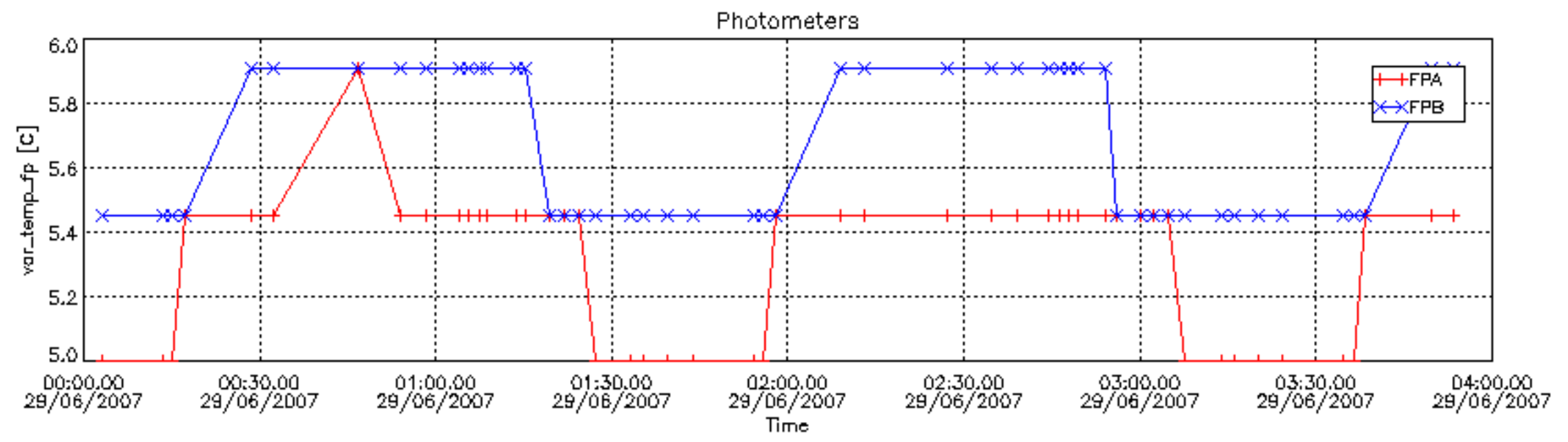
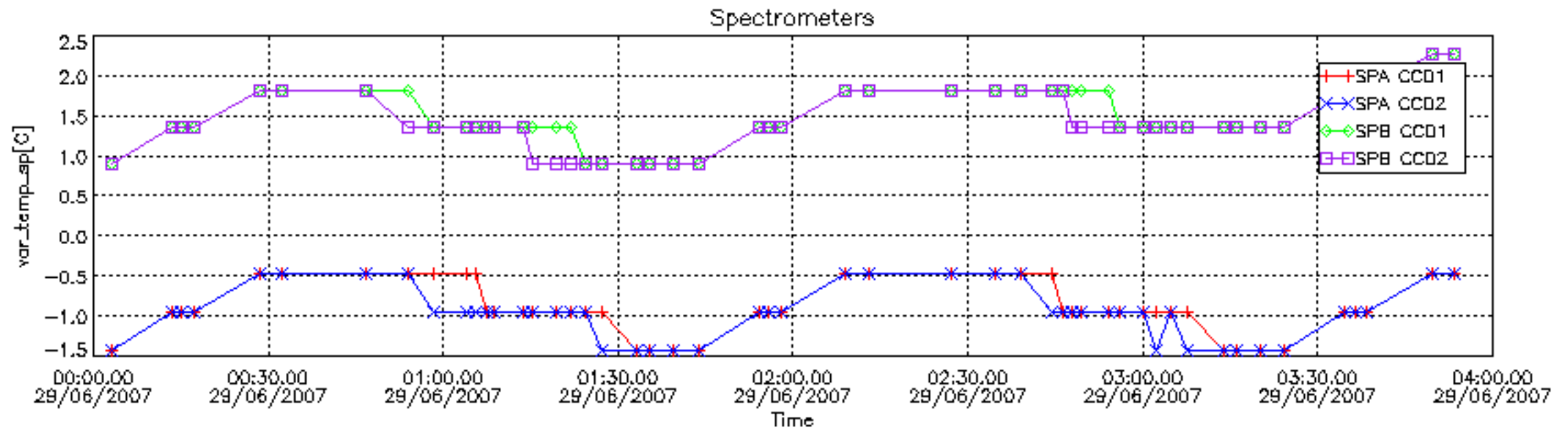


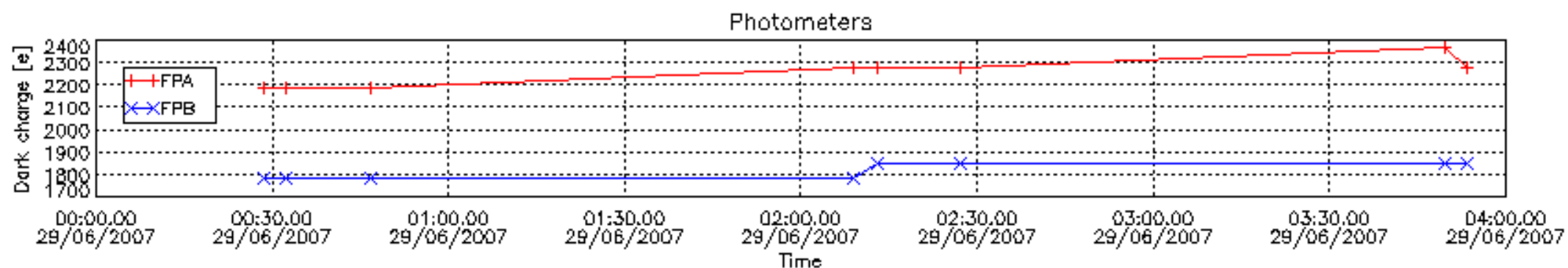
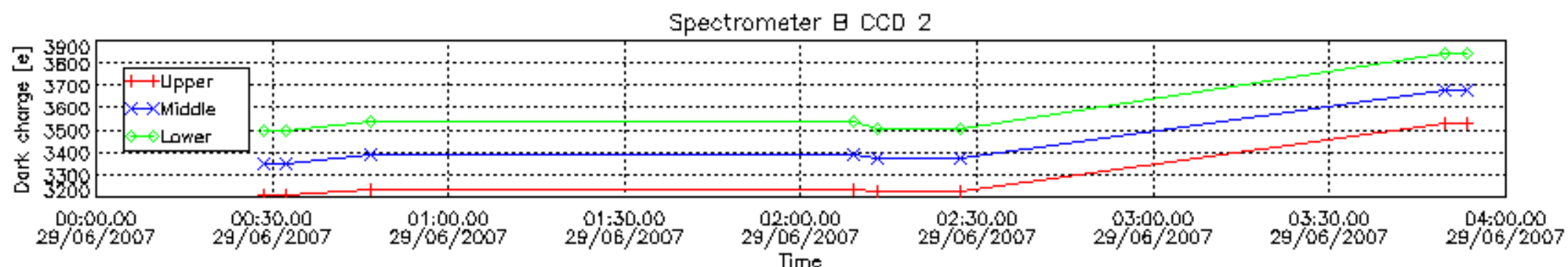
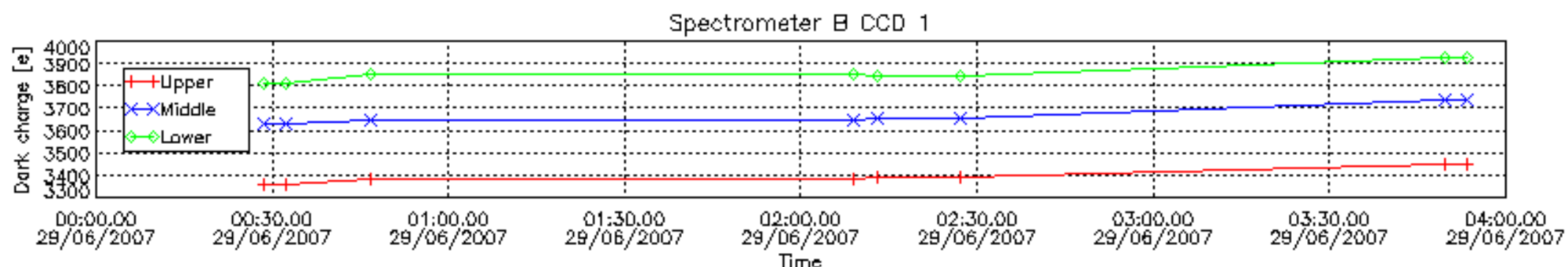
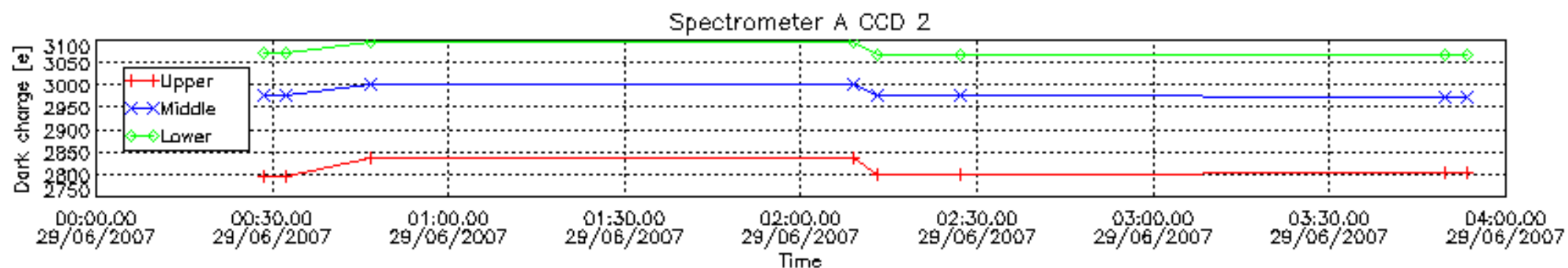
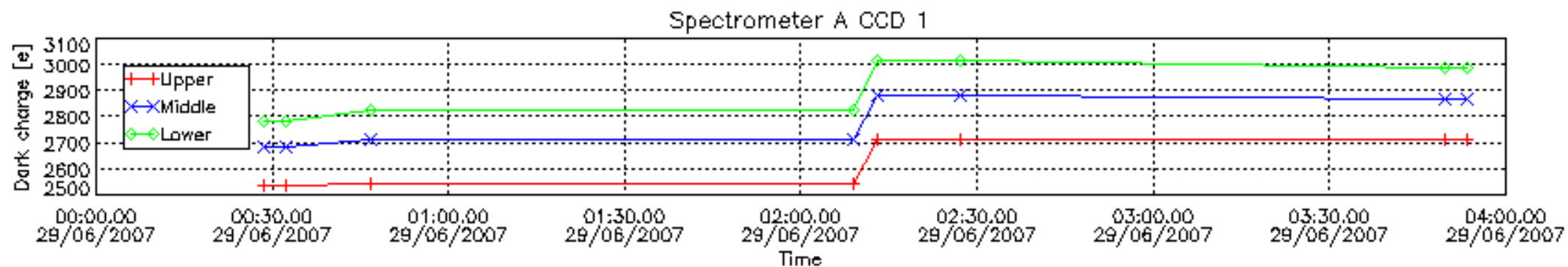
8. Auxiliary Data Files used for the production reported in section 2.4

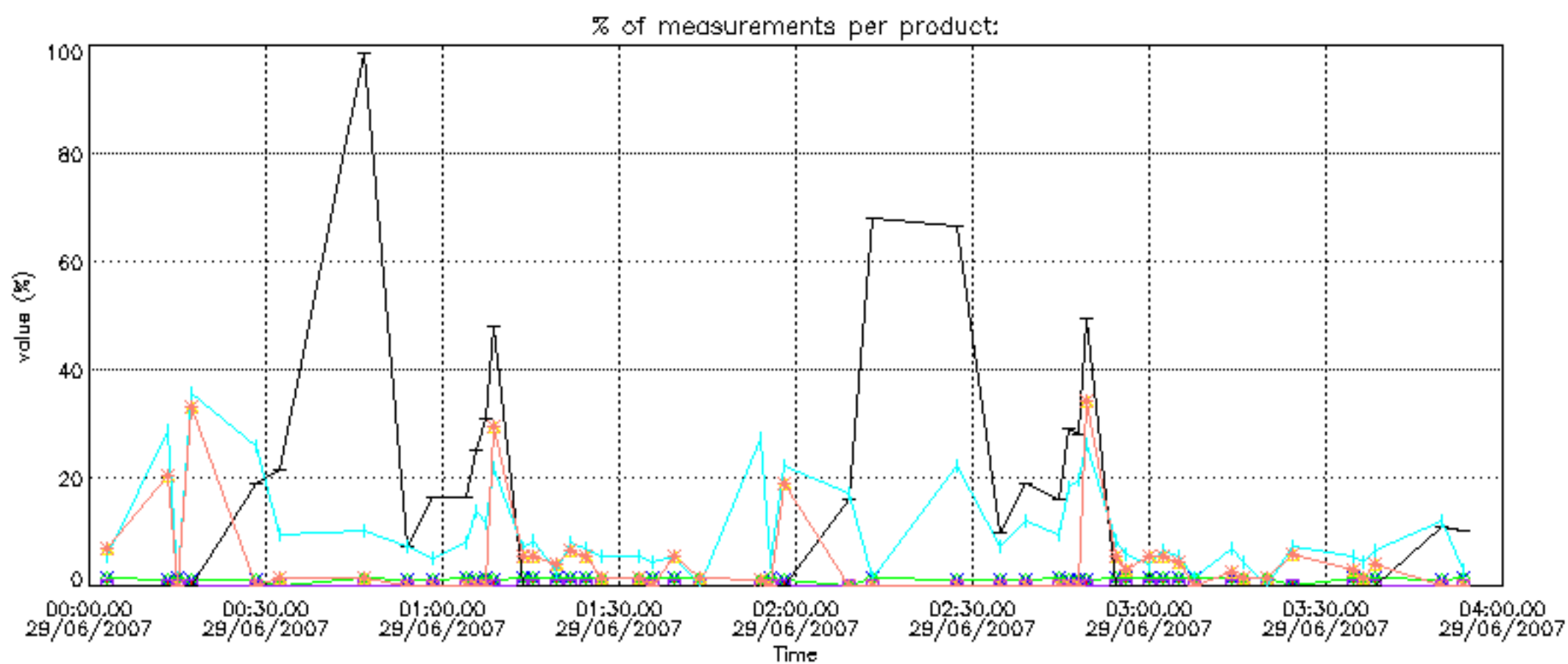
The number reported in the third column indicates since which file (see list in section 2.4) the corresponding auxiliary file has been used. The fourth column is the date of those product files.

Type	Auxiliary Filename	Used since product	Used since product date
INST_PHYS_CHARACTERISTICS	GOM_INS_AXNIEC20050627_150713_20030716_120000_20100101_000000	1	29-JUN-2007 00:03:09
CALIBRATION_DATABASE	GOM_CAL_AXVIEC20070618_075311_20070617_000000_20100101_000000	1	29-JUN-2007 00:03:09
LEVEL-1B_PROC_CONFIG	GOM_PR1_AXNIEC20050627_151042_20020301_000000_20100101_000000	1	29-JUN-2007 00:03:09
STAR_CATALOGUE	GOM_CAT_AXVIEC20020121_161009_20020101_000000_20200101_000000	1	29-JUN-2007 00:03:09
STELLAR_SPECTRA_DATABANK	GOM_STS_AXNIEC20040308_103538_20020101_160000_20100101_000000	1	29-JUN-2007 00:03:09
ECMWF_FILE	AUX_ECF_AXNECM20070628_062112_20070628_210000_20070629_090000	1	29-JUN-2007 00:03:09
ECMWF_FILE	AUX_ECF_AXNECM20070628_181113_20070629_030000_20070629_150000	46	29-JUN-2007 03:34:39
OPTIONAL_ECMWF_FILE	MISSING	1	29-JUN-2007 00:03:09
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20070628_225123_000057382059_00244_27853_3672.N1	1	29-JUN-2007 00:03:09
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20070629_003220_000054192059_00245_27854_3673.N1	7	29-JUN-2007 00:46:39
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20070629_020758_000041442059_00246_27855_3674.N1	28	29-JUN-2007 02:12:51
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20070629_032221_000057382059_00247_27856_3675.N1	46	29-JUN-2007 03:34:39

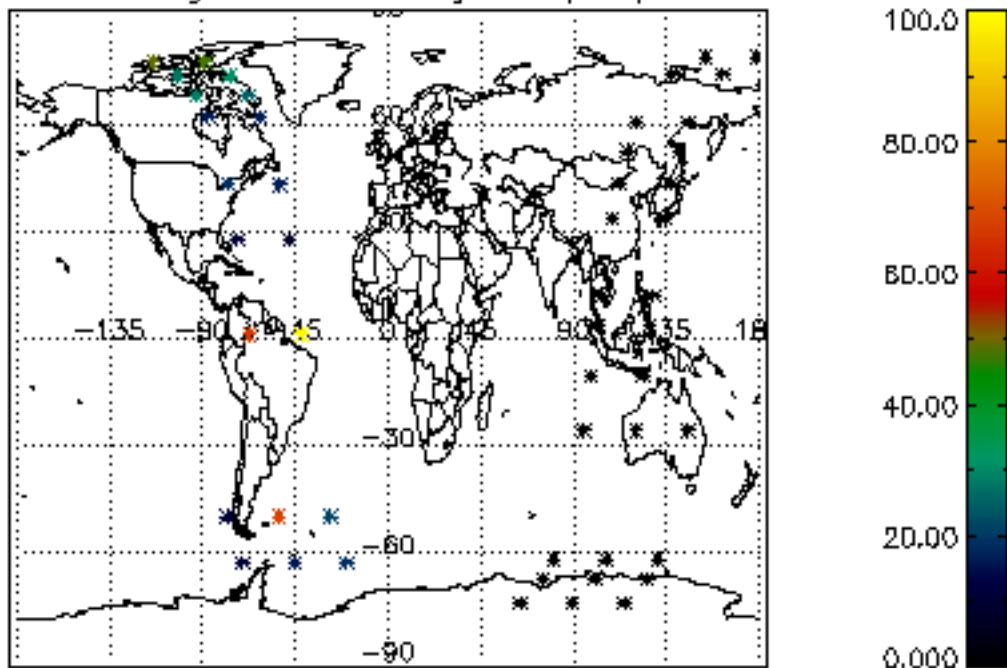




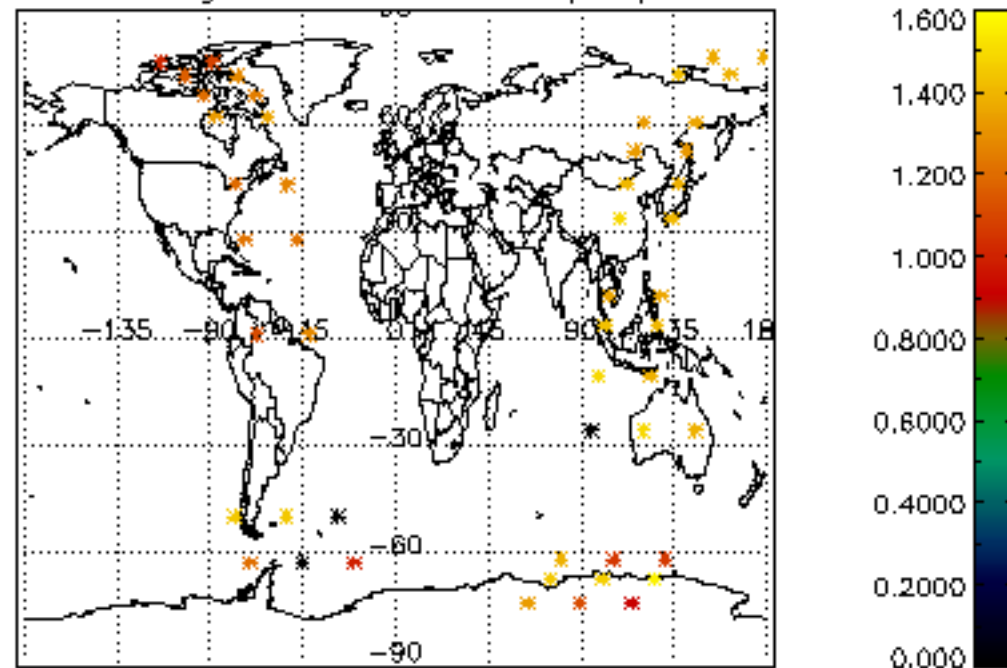




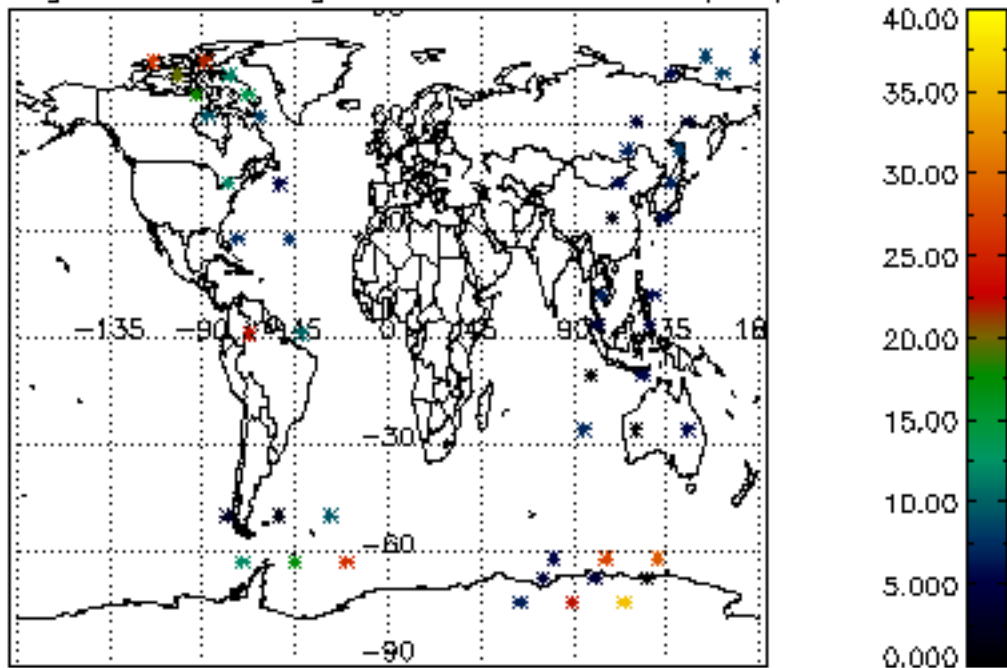
Percentage of cosmic ray hits per profile



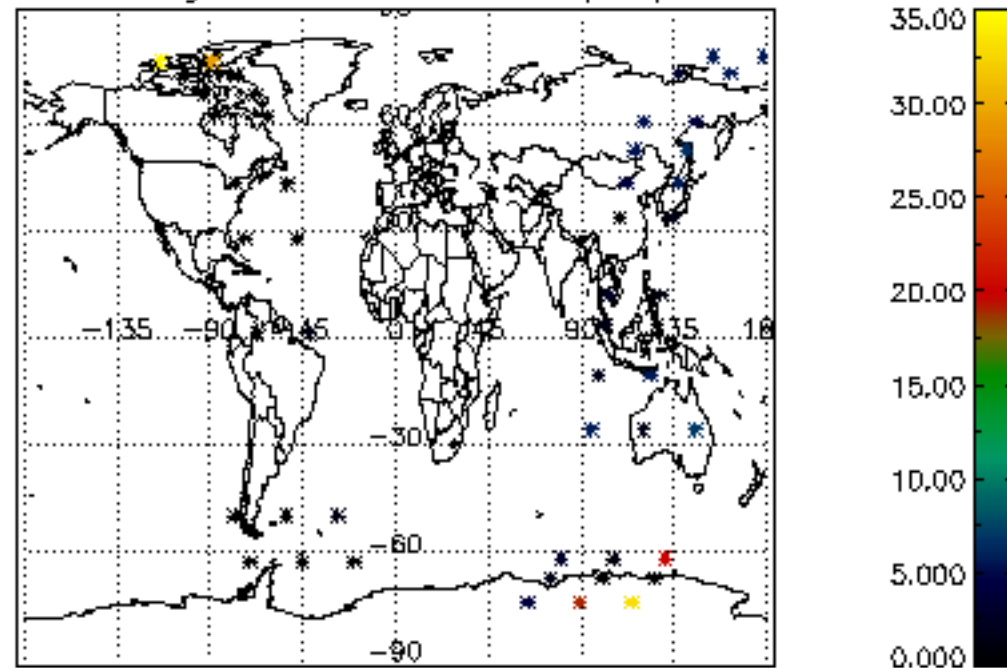
Percentage of datation errors per profile



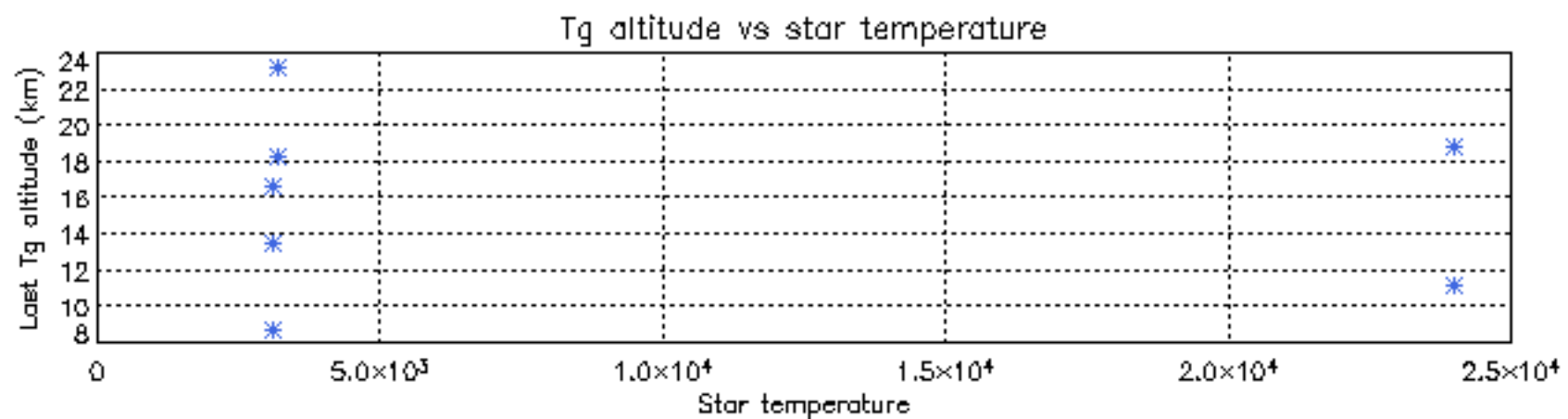
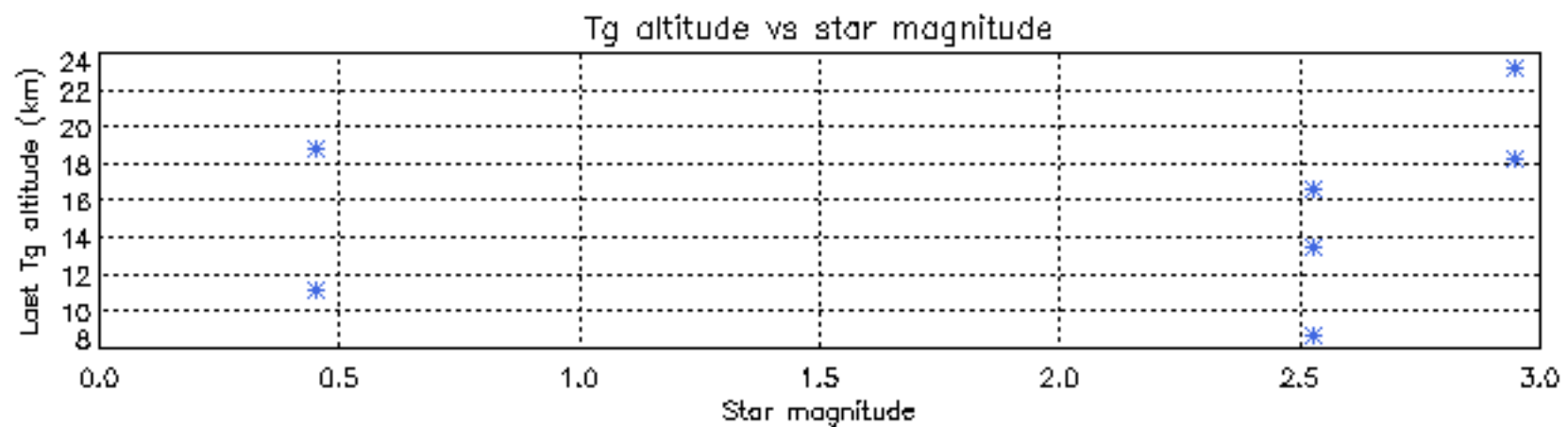
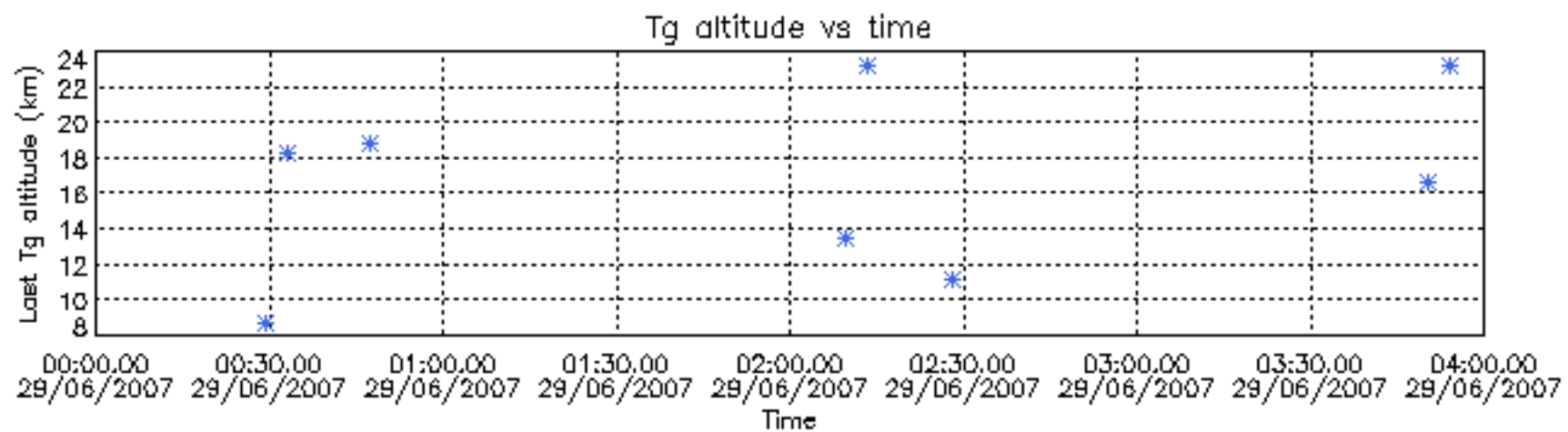
Percentage of star falling outside central band per profile



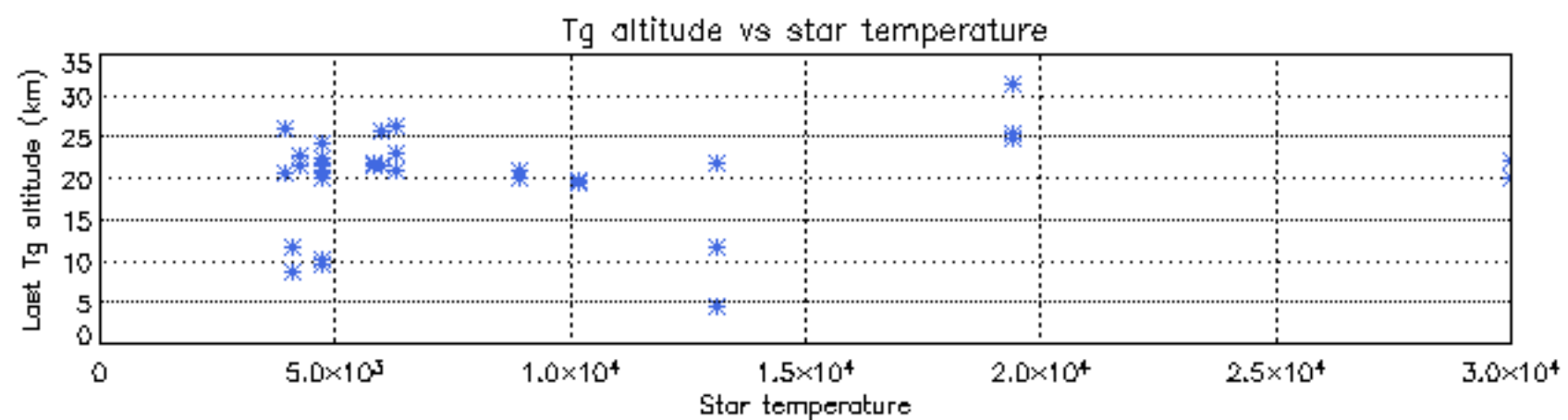
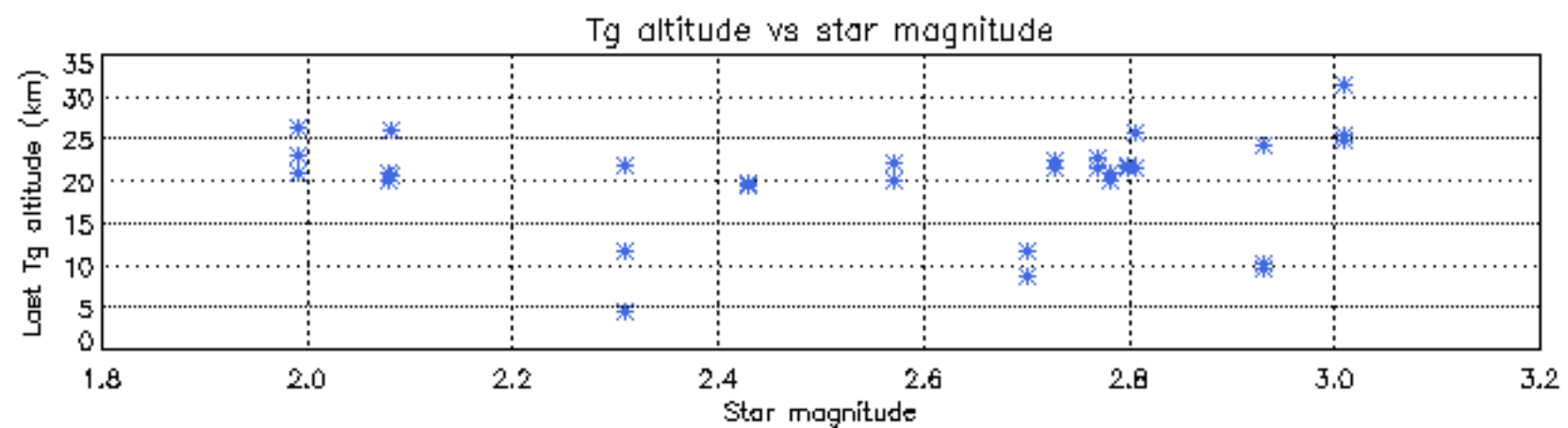
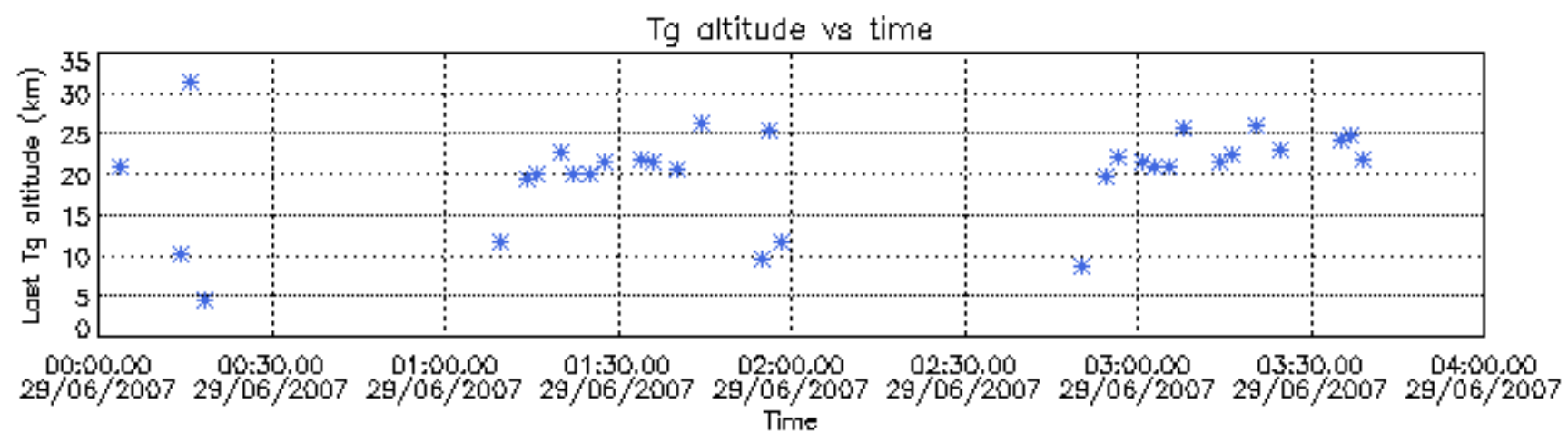
Percentage of saturation errors per profile

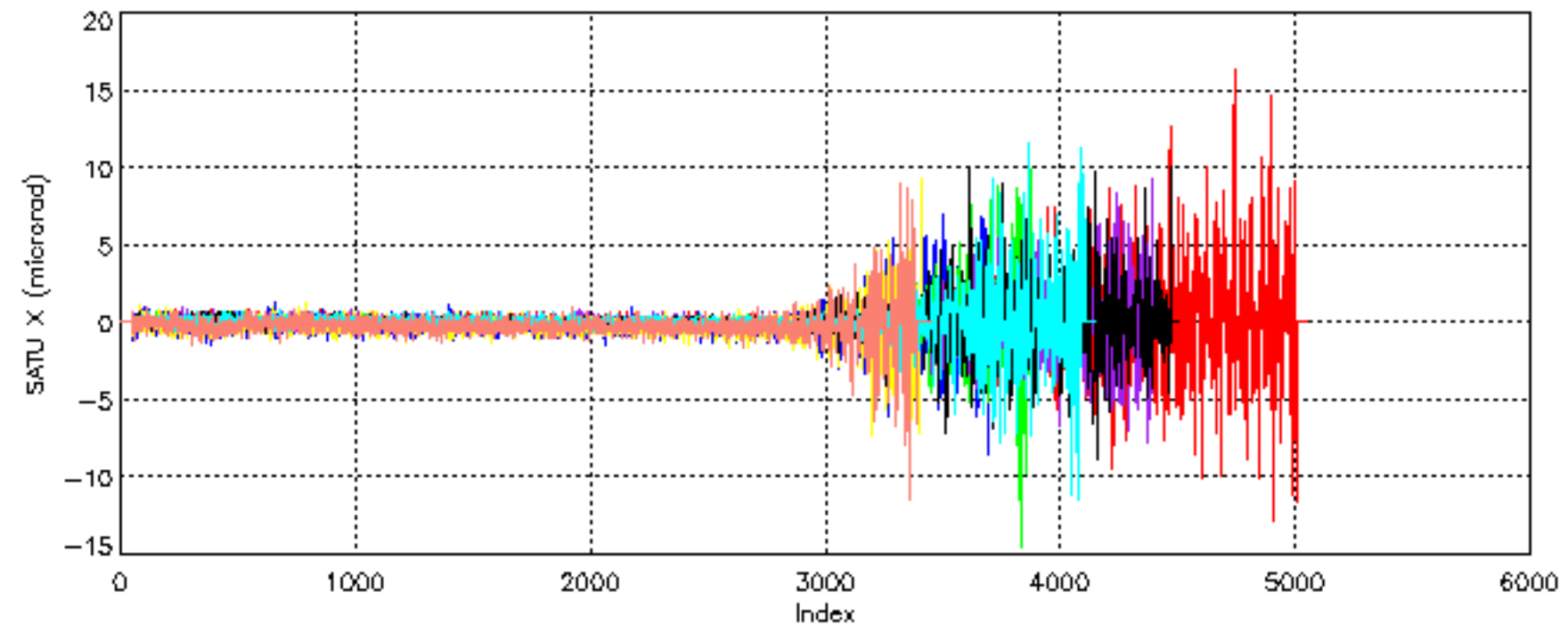


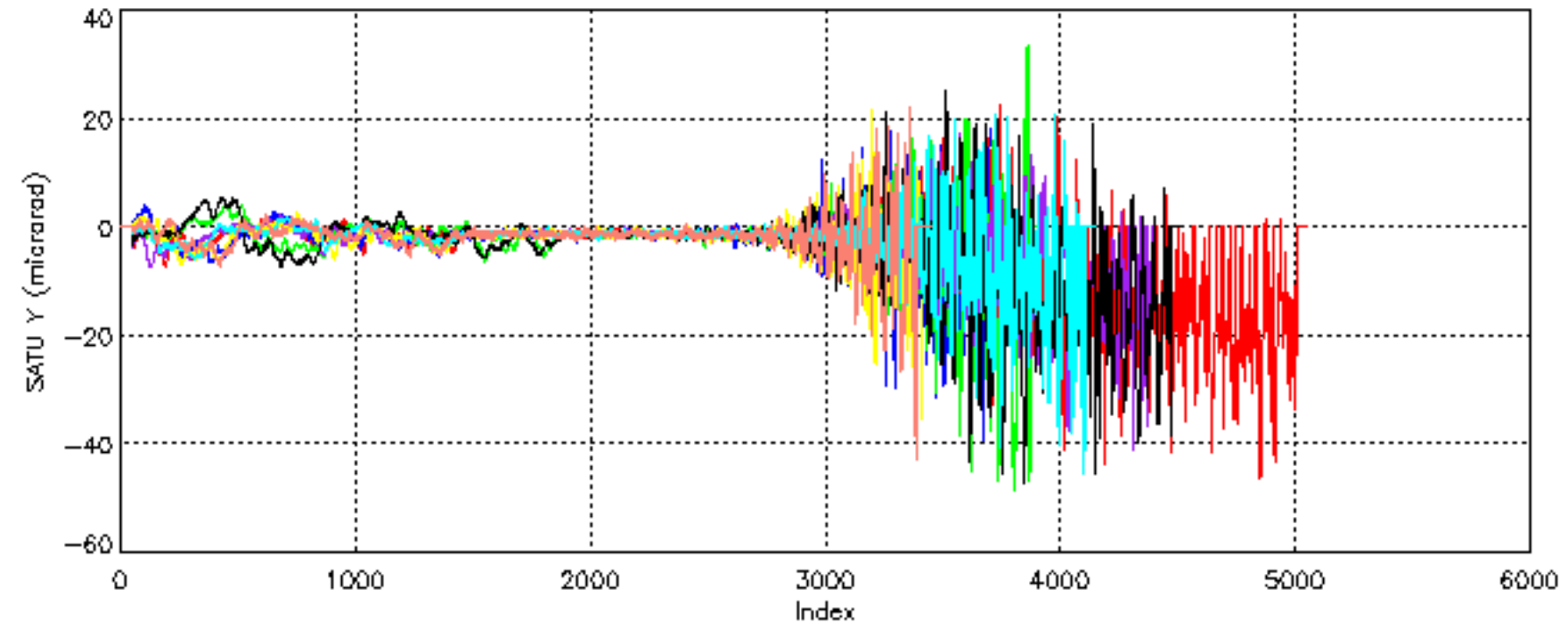
Tangent altitude at which the star is lost

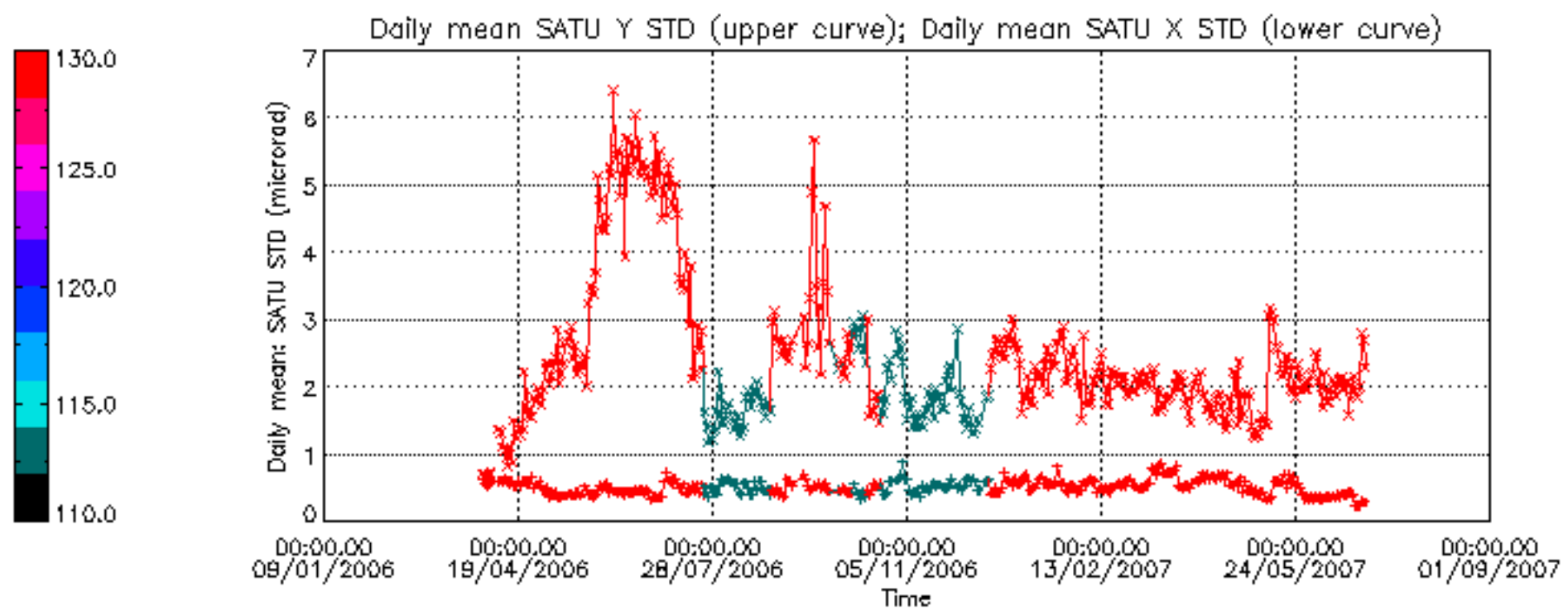


Tangent altitude at which the star is lost









/nas3/ENVISAT/GOMOS/GOM_NL__0P/GOM_NL__0PNPDE20070601_001523_000050842058_00345_27453_3813.N1

1; -648.0; 01-JUN-2007 00:15:23; Dark ; 46.0; 52; 16Bet Cet ; 2.04; 4500;occ; 92; 0;27453
 2; -387.5; 01-JUN-2007 00:19:44; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;27453
 3; -245.5; 01-JUN-2007 00:22:06; Dark ; 45.0; 84; Alp Phe ; 2.40; 4500;occ; 90; 0;27453
 4; 71.8; 01-JUN-2007 00:27:23; Dark ; 48.0; 63; Bet Gru ; 2.15; 2800;occ; 96; 0;27454
 5; 183.7; 01-JUN-2007 00:29:15; Dark ; 43.5; 31; Alp Gru ; 1.73; 15200;occ; 87; 0;27454
 6; 483.8; 01-JUN-2007 00:34:15; Dark ; 41.5; 45; Alp Pav ; 1.94; 26000;occ; 83; 0;27454
 7; 857.6; 01-JUN-2007 00:40:29; Dark ; 38.5; 141; Bet Ara ; 2.84; 4600;occ; 77; 0;27454
 8; 932.4; 01-JUN-2007 00:41:44; Dark ; 41.5; 147; Alp Ara ; 2.88; 26000;occ; 83; 0;27454
 9; 1033.6; 01-JUN-2007 00:43:25; Dark ; 46.0; 40; The Sco ; 1.86; 7100;occ; 92; 0;27454
 10; 1141.6; 01-JUN-2007 00:45:13; Dark ; 46.0; 25; 35Lam Sco ; 1.62; 28000;occ; 92; 0;27454
 11; 1248.8; 01-JUN-2007 00:47:00; Dark ; 49.0; 75; 26Eps Sco ; 2.29; 4250;occ; 98; 0;27454
 12; 1430.2; 01-JUN-2007 00:50:01; Bright; 39.0; 156; 20Sig Sco ; 2.90; 28000;occ; 78; 0;27454
 13; 1543.0; 01-JUN-2007 00:51:54; Bright; 37.5; 97; 8Bet1Sco ; 2.56; 30000;occ; 75; 0;27454
 14; 1702.3; 01-JUN-2007 00:54:34; Bright; 41.0; 98; 13Zet Oph ; 2.57; 30000;occ; 82; 0;27454
 15; 1834.1; 01-JUN-2007 00:56:45; Bright; 39.0; 120; 1Del Oph ; 2.73; 3200;occ; 78; 0;27454
 16; 2015.0; 01-JUN-2007 00:59:46; Bright; 36.5; 102; 24Alp Ser ; 2.60; 4250;occ; 73; 0;27454
 17; 2369.9; 01-JUN-2007 01:05:41; Bright; 36.0; 67; 5Alp CrB ; 2.22; 11000;occ; 72; 0;27454
 18; 3006.7; 01-JUN-2007 01:16:18; Bright; 38.0; 119; 14Eta Dra ; 2.73; 4700;occ; 76; 0;27454
 19; 3166.1; 01-JUN-2007 01:18:57; Bright; 37.0; 60; 7Bet UMi ; 2.08; 3950;occ; 74; 0;27454
 20; 3446.7; 01-JUN-2007 01:23:38; Bright; 34.0; 49; 1Alp UMi ; 1.99; 6300;occ; 68; 0;27454
 21; 3929.6; 01-JUN-2007 01:31:41; Bright; 55.0; 76; 27Gam Cas ; 2.30; 30000;occ; 110; 0;27454
 22; 4393.6; 01-JUN-2007 01:39:25; Bright; 43.0; 53; 43Bet And ; 2.05; 3300;occ; 86; 0;27454

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1; -647.3; 01-JUN-2007 01:56:00; Dark ; 49.0; 52; 16Bet Cet ; 2.04; 4500;occ; 98; 0;27454
 2; -387.1; 01-JUN-2007 02:00:20; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;27454
 3; -244.9; 01-JUN-2007 02:02:42; Dark ; 42.5; 84; Alp Phe ; 2.40; 4500;occ; 85; 0;27454
 4; 72.6; 01-JUN-2007 02:08:00; Dark ; 60.0; 63; Bet Gru ; 2.15; 2800;occ; 120; 0;27455
 5; 184.6; 01-JUN-2007 02:09:52; Dark ; 47.0; 31; Alp Gru ; 1.73; 15200;occ; 94; 0;27455
 6; 484.5; 01-JUN-2007 02:14:52; Dark ; 41.5; 45; Alp Pav ; 1.94; 26000;occ; 83; 0;27455
 7; 858.0; 01-JUN-2007 02:21:05; Dark ; 43.5; 141; Bet Ara ; 2.84; 4600;occ; 87; 0;27455
 8; 932.9; 01-JUN-2007 02:22:20; Dark ; 39.5; 147; Alp Ara ; 2.88; 26000;occ; 79; 0;27455
 9; 1034.0; 01-JUN-2007 02:24:01; Dark ; 46.5; 40; The Sco ; 1.86; 7100;occ; 93; 0;27455
 10; 1142.0; 01-JUN-2007 02:25:49; Dark ; 48.5; 25; 35Lam Sco ; 1.62; 28000;occ; 97; 0;27455
 11; 1249.1; 01-JUN-2007 02:27:36; Dark ; 47.0; 75; 26Eps Sco ; 2.29; 4250;occ; 94; 0;27455
 12; 1430.5; 01-JUN-2007 02:30:38; Bright; 40.0; 156; 20Sig Sco ; 2.90; 28000;occ; 80; 0;27455
 13; 1543.3; 01-JUN-2007 02:32:30; Bright; 39.0; 97; 8Bet1Sco ; 2.56; 30000;occ; 78; 0;27455
 14; 1702.4; 01-JUN-2007 02:35:10; Bright; 41.5; 98; 13Zet Oph ; 2.57; 30000;occ; 83; 0;27455
 15; 1834.1; 01-JUN-2007 02:37:21; Bright; 39.5; 120; 1Del Oph ; 2.73; 3200;occ; 79; 0;27455
 16; 2014.9; 01-JUN-2007 02:40:22; Bright; 36.5; 102; 24Alp Ser ; 2.60; 4250;occ; 73; 0;27455
 17; 2369.8; 01-JUN-2007 02:46:17; Bright; 37.0; 67; 5Alp CrB ; 2.22; 11000;occ; 74; 0;27455
 18; 3006.5; 01-JUN-2007 02:56:54; Bright; 38.0; 119; 14Eta Dra ; 2.73; 4700;occ; 76; 0;27455
 19; 3166.1; 01-JUN-2007 02:59:33; Bright; 36.0; 60; 7Bet UMi ; 2.08; 3950;occ; 72; 0;27455
 20; 3446.8; 01-JUN-2007 03:04:14; Bright; 35.5; 49; 1Alp UMi ; 1.99; 6300;occ; 71; 0;27455

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1; -2106.4; 01-JUN-2007 03:12:17; Bright; 46.0; 76; 27Gam Cas ; 2.30; 30000;occ; 92; 0;27455
 2; -1642.2; 01-JUN-2007 03:20:01; Bright; 41.0; 53; 43Bet And ; 2.05; 3300;occ; 82; 0;27455
 3; -646.8; 01-JUN-2007 03:36:36; Dark ; 48.0; 52; 16Bet Cet ; 2.04; 4500;occ; 96; 0;27455
 4; -386.7; 01-JUN-2007 03:40:56; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;27455
 5; -244.3; 01-JUN-2007 03:43:19; Dark ; 44.5; 84; Alp Phe ; 2.40; 4500;occ; 89; 0;27455
 6; 73.6; 01-JUN-2007 03:48:37; Dark ; 56.0; 63; Bet Gru ; 2.15; 2800;occ; 112; 0;27456
 7; 185.6; 01-JUN-2007 03:50:29; Dark ; 46.5; 31; Alp Gru ; 1.73; 15200;occ; 93; 0;27456
 8; 485.4; 01-JUN-2007 03:55:28; Dark ; 43.0; 45; Alp Pav ; 1.94; 26000;occ; 86; 0;27456
 9; 858.6; 01-JUN-2007 04:01:42; Dark ; 45.0; 141; Bet Ara ; 2.84; 4600;occ; 90; 0;27456
 10; 933.3; 01-JUN-2007 04:02:56; Dark ; 39.0; 147; Alp Ara ; 2.88; 26000;occ; 78; 0;27456
 11; 1034.5; 01-JUN-2007 04:04:38; Dark ; 44.5; 40; The Sco ; 1.86; 7100;occ; 89; 0;27456
 12; 1142.6; 01-JUN-2007 04:06:26; Dark ; 46.5; 25; 35Lam Sco ; 1.62; 28000;occ; 93; 0;27456
 13; 1249.5; 01-JUN-2007 04:08:13; Dark ; 46.0; 75; 26Eps Sco ; 2.29; 4250;occ; 92; 0;27456
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 15; 1543.7; 01-JUN-2007 04:13:07; Bright; 38.5; 97; 8Bet1Sco ; 2.56; 30000;occ; 77; 0;27456
 16; 1702.6; 01-JUN-2007 04:15:46; Bright; 41.5; 98; 13Zet Oph ; 2.57; 30000;occ; 83; 0;27456
 17; 1834.3; 01-JUN-2007 04:17:57; Bright; 39.5; 120; 1Del Oph ; 2.73; 3200;occ; 79; 0;27456
 18; 2015.1; 01-JUN-2007 04:20:58; Bright; 37.0; 102; 24Alp Ser ; 2.60; 4250;occ; 74; 0;27456
 19; 2369.8; 01-JUN-2007 04:26:53; Bright; 37.0; 67; 5Alp CrB ; 2.22; 11000;occ; 74; 0;27456
 20; 3006.3; 01-JUN-2007 04:37:29; Bright; 37.5; 119; 14Eta Dra ; 2.73; 4700;occ; 75; 0;27456
 21; 3166.2; 01-JUN-2007 04:40:09; Bright; 38.0; 60; 7Bet UMi ; 2.08; 3950;occ; 76; 0;27456
 22; 3446.8; 01-JUN-2007 04:44:50; Bright; 33.5; 49; 1Alp UMi ; 1.99; 6300;occ; 67; 0;27456

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1; -2106.3; 01-JUN-2007 04:52:53; Bright; 37.5; 76; 27Gam Cas ; 2.30; 30000;occ; 75; 0;27456
 2; -1642.2; 01-JUN-2007 05:00:37; Bright; 44.0; 53; 43Bet And ; 2.05; 3300;occ; 88; 0;27456
 3; -646.1; 01-JUN-2007 05:17:13; Dark ; 46.5; 52; 16Bet Cet ; 2.04; 4500;occ; 93; 0;27456
 4; -386.2; 01-JUN-2007 05:21:33; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;27456
 5; -243.8; 01-JUN-2007 05:23:55; Dark ; 41.0; 84; Alp Phe ; 2.40; 4500;occ; 82; 0;27456
 6; 74.4; 01-JUN-2007 05:29:13; Dark ; 48.0; 63; Bet Gru ; 2.15; 2800;occ; 96; 0;27457
 7; 186.6; 01-JUN-2007 05:31:06; Dark ; 46.0; 31; Alp Gru ; 1.73; 15200;occ; 92; 0;27457
 8; 486.0; 01-JUN-2007 05:36:05; Dark ; 41.5; 45; Alp Pav ; 1.94; 26000;occ; 83; 0;27457
 9; 858.9; 01-JUN-2007 05:42:18; Dark ; 42.5; 141; Bet Ara ; 2.84; 4600;occ; 85; 0;27457
 10; 933.9; 01-JUN-2007 05:43:33; Dark ; 40.5; 147; Alp Ara ; 2.88; 26000;occ; 81; 0;27457
 11; 1034.9; 01-JUN-2007 05:45:14; Dark ; 45.5; 40; The Sco ; 1.86; 7100;occ; 91; 0;27457
 12; 1143.0; 01-JUN-2007 05:47:02; Dark ; 47.5; 25; 35Lam Sco ; 1.62; 28000;occ; 95; 0;27457
 13; 1249.7; 01-JUN-2007 05:48:49; Dark ; 47.5; 75; 26Eps Sco ; 2.29; 4250;occ; 95; 0;27457
 14; 1409.5; 01-JUN-2007 05:51:29; Dark ; 53.0; 16; 21Alp Sco ; 1.02; 3000;occ; 106; 0;27457
 15; 1543.7; 01-JUN-2007 05:53:43; Bright; 38.5; 97; 8Bet1Sco ; 2.56; 30000;occ; 77; 0;27457
 16; 1702.7; 01-JUN-2007 05:56:22; Bright; 40.5; 98; 13Zet Oph ; 2.57; 30000;occ; 81; 0;27457
 17; 1834.3; 01-JUN-2007 05:58:33; Bright; 39.0; 120; 1Del Oph ; 2.73; 3200;occ; 78; 0;27457
 18; 2015.0; 01-JUN-2007 06:01:34; Bright; 36.5; 102; 24Alp Ser ; 2.60; 4250;occ; 73; 0;27457
 19; 2369.7; 01-JUN-2007 06:07:29; Bright; 34.5; 67; 5Alp CrB ; 2.22; 11000;occ; 69; 0;27457
 20; 3005.9; 01-JUN-2007 06:18:05; Bright; 37.5; 119; 14Eta Dra ; 2.73; 4700;occ; 75; 0;27457
 21; 3166.2; 01-JUN-2007 06:20:45; Bright; 37.0; 60; 7Bet UMi ; 2.08; 3950;occ; 74; 0;27457
 22; 3446.9; 01-JUN-2007 06:25:26; Bright; 34.5; 49; 1Alp UMi ; 1.99; 6300;occ; 69; 0;27457

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 2; 937.5; 01-JUN-2007 20:49:00; Dark ; 40.5; 147; Alp Ara ; 2.88; 26000;occ; 81; 0;27466
 3; 1038.8; 01-JUN-2007 20:50:41; Dark ; 47.5; 40; The Sco ; 1.86; 7100;occ; 95; 0;27466
 4; 1146.7; 01-JUN-2007 20:52:29; Dark ; 47.5; 25; 35Lam Sco ; 1.62; 28000;occ; 95; 0;27466
 5; 1252.4; 01-JUN-2007 20:54:15; Dark ; 45.5; 75; 26Eps Sco ; 2.29; 4250;occ; 91; 0;27466
 6; 1374.4; 01-JUN-2007 20:56:17; Dark ; 39.0; 136; 23Tau Sco ; 2.82; 30000;occ; 78; 0;27466
 7; 1545.0; 01-JUN-2007 20:59:08; Bright; 38.0; 97; 8Bet1Sco ; 2.56; 30000;occ; 76; 0;27466
 8; 1703.0; 01-JUN-2007 21:01:46; Bright; 40.5; 98; 13Zet Oph ; 2.57; 30000;occ; 81; 0;27466
 9; 1834.0; 01-JUN-2007 21:03:57; Bright; 39.0; 120; 1Del Oph ; 2.73; 3200;occ; 78; 0;27466
 10; 2014.7; 01-JUN-2007 21:06:57; Bright; 37.0; 102; 24Alp Ser ; 2.60; 4250;occ; 74; 0;27466
 11; 2368.6; 01-JUN-2007 21:12:51; Bright; 37.5; 67; 5Alp CrB ; 2.22; 11000;occ; 75; 0;27466
 12; 3003.4; 01-JUN-2007 21:23:26; Bright; 38.0; 119; 14Eta Dra ; 2.73; 4700;occ; 76; 0;27466
 13; 3165.9; 01-JUN-2007 21:26:08; Bright; 37.5; 60; 7Bet UMi ; 2.08; 3950;occ; 75; 0;27466
 14; 3446.7; 01-JUN-2007 21:30:49; Bright; 34.0; 49; 1Alp UMi ; 1.99; 6300;occ; 68; 0;27466
 15; 3928.7; 01-JUN-2007 21:38:51; Bright; 37.0; 76; 27Gam Cas ; 2.30; 30000;occ; 74; 0;27466
 16; 4394.9; 01-JUN-2007 21:46:38; Bright; 41.5; 53; 43Bet And ; 2.05; 3300;occ; 83; 0;27466

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 2; -381.8; 01-JUN-2007 22:07:37; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;27466
 3; -238.3; 01-JUN-2007 22:10:00; Dark ; 46.0; 84; Alp Phe ; 2.40; 4500;occ; 92; 0;27466
 4; 82.9; 01-JUN-2007 22:15:21; Dark ; 61.5; 63; Bet Gru ; 2.15; 2800;occ; 123; 0;27467
 5; 195.8; 01-JUN-2007 22:17:14; Dark ; 47.0; 31; Alp Gru ; 1.73; 15200;occ; 94; 0;27467
 6; 492.7; 01-JUN-2007 22:22:11; Dark ; 41.5; 45; Alp Pav ; 1.94; 26000;occ; 83; 0;27467
 7; 862.6; 01-JUN-2007 22:28:21; Dark ; 40.0; 141; Bet Ara ; 2.84; 4600;occ; 80; 0;27467
 8; 937.9; 01-JUN-2007 22:29:36; Dark ; 40.5; 147; Alp Ara ; 2.88; 26000;occ; 81; 0;27467
 9; 1039.3; 01-JUN-2007 22:31:18; Dark ; 46.5; 40; The Sco ; 1.86; 7100;occ; 93; 0;27467
 10; 1147.1; 01-JUN-2007 22:33:06; Dark ; 48.0; 25; 35Lam Sco ; 1.62; 28000;occ; 96; 0;27467
 11; 1252.8; 01-JUN-2007 22:34:51; Dark ; 43.5; 75; 26Eps Sco ; 2.29; 4250;occ; 87; 0;27467
 12; 1374.4; 01-JUN-2007 22:36:53; Dark ; 39.5; 136; 23Tau Sco ; 2.82; 30000;occ; 79; 0;27467
 13; 1545.1; 01-JUN-2007 22:39:44; Bright; 38.0; 97; 8Bet1Sco ; 2.56; 30000;occ; 76; 0;27467
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16; 3446.7; 05-JUN-2007 21:04:57; Bright; 35.5; 49; 1Alp UMi ; 1.99; 6300;occ; 71; 0;27523
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18; 4261.8; 05-JUN-2007 21:18:32; Bright; 35.0; 73; 57Gam1And ; 2.26; 13100;occ; 70; 0;27523
19; 4400.3; 05-JUN-2007 21:20:51; Bright; 47.5; 53; 43Bet And ; 2.05; 3300;occ; 95; 0;27523
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2;	-354.3;	05-JUN-2007	21:42:12;	Dark	;	59.5;	0;			;	0.00;	0;	occ;	119;	0;	27523
3;	-204.8;	05-JUN-2007	21:44:42;	Dark	;	47.0;	84;	Alp	Phe	;	2.40;	4500;	occ;	94;	0;	27523
4;	133.0;	05-JUN-2007	21:50:20;	Dark	;	50.0;	63;	Bet	Gru	;	2.15;	2800;	occ;	100;	0;	27524
5;	250.2;	05-JUN-2007	21:52:17;	Dark	;	46.5;	31;	Alp	Gru	;	1.73;	15200;	occ;	93;	0;	27524
6;	531.3;	05-JUN-2007	21:56:58;	Dark	;	41.0;	45;	Alp	Pav	;	1.94;	26000;	occ;	82;	0;	27524
7;	883.1;	05-JUN-2007	22:02:50;	Dark	;	37.5;	141;	Bet	Ara	;	2.84;	4600;	occ;	75;	0;	27524
8;	960.5;	05-JUN-2007	22:04:07;	Dark	;	40.0;	147;	Alp	Ara	;	2.88;	26000;	occ;	80;	0;	27524
9;	1063.2;	05-JUN-2007	22:05:50;	Dark	;	45.5;	40;	The	Sco	;	1.86;	7100;	occ;	91;	0;	27524
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11;	1269.0;	05-JUN-2007	22:09:16;	Dark	;	46.0;	75;	26Eps	Sco	;	2.29;	4250;	occ;	92;	0;	27524
12;	1387.6;	05-JUN-2007	22:11:14;	Dark	;	46.0;	136;	23Tau	Sco	;	2.82;	30000;	occ;	92;	0;	27524
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14;	1597.4;	05-JUN-2007	22:14:44;	Bright;		43.0;	86;	35Eta	Oph	;	2.43;	10200;	occ;	86;	0;	27524
15;	1705.9;	05-JUN-2007	22:16:32;	Bright;		38.5;	98;	13Zet	Oph	;	2.57;	30000;	occ;	77;	0;	27524
16;	1834.4;	05-JUN-2007	22:18:41;	Bright;		38.5;	120;	1Del	Oph	;	2.73;	3200;	occ;	77;	0;	27524
17;	2014.7;	05-JUN-2007	22:21:41;	Bright;		35.5;	102;	24Alp	Ser	;	2.60;	4250;	occ;	71;	0;	27524
18;	2302.4;	05-JUN-2007	22:26:29;	Bright;		40.0;	127;	27Bet	Her	;	2.78;	4700;	occ;	80;	0;	27524
19;	2500.5;	05-JUN-2007	22:29:47;	Bright;		42.0;	133;	40Zet	Her	;	2.81;	6000;	occ;	84;	0;	27524
20;	2988.2;	05-JUN-2007	22:37:55;	Bright;		37.0;	119;	14Eta	Dra	;	2.73;	4700;	occ;	74;	0;	27524
21;	3165.2;	05-JUN-2007	22:40:52;	Bright;		35.0;	60;	7Bet	UMi	;	2.08;	3950;	occ;	70;	0;	27524
22;	3446.7;	05-JUN-2007	22:45:33;	Bright;		33.5;	49;	1Alp	UMi	;	1.99;	6300;	occ;	67;	0;	27524
23;	3922.3;	05-JUN-2007	22:53:29;	Bright;		36.0;	76;	27Gam	Cas	;	2.30;	30000;	occ;	72;	0;	27524
24;	4261.8;	05-JUN-2007	22:59:08;	Bright;		35.5;	73;	57Gam1	And	;	2.26;	13100;	occ;	71;	0;	27524
25;	4400.3;	05-JUN-2007	23:01:27;	Dark	;	46.5;	53;	43Bet	And	;	2.05;	3300;	occ;	93;	0;	27524
26;	4645.6;	05-JUN-2007	23:05:32;	Dark	;	41.5;	105;	6Bet	Ari	;	2.64;	8900;	occ;	83;	0;	27524

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2;	-353.8;	05-JUN-2007	23:22:49;	Dark	;	59.5;	0;			;	0.00;	0;	occ;	119;	0;	27524
3;	-204.2;	05-JUN-2007	23:25:18;	Dark	;	40.0;	84;	Alp	Phe	;	2.40;	4500;	occ;	80;	0;	27524
4;	133.9;	05-JUN-2007	23:30:56;	Dark	;	64.0;	63;	Bet	Gru	;	2.15;	2800;	occ;	128;	0;	27525
5;	251.2;	05-JUN-2007	23:32:54;	Dark	;	47.0;	31;	Alp	Gru	;	1.73;	15200;	occ;	94;	0;	27525
6;	532.0;	05-JUN-2007	23:37:34;	Dark	;	42.5;	45;	Alp	Pav	;	1.94;	26000;	occ;	85;	0;	27525
7;	883.3;	05-JUN-2007	23:43:26;	Dark	;	40.5;	141;	Bet	Ara	;	2.84;	4600;	occ;	81;	0;	27525
8;	960.8;	05-JUN-2007	23:44:43;	Dark	;	40.0;	147;	Alp	Ara	;	2.88;	26000;	occ;	80;	0;	27525
9;	1063.7;	05-JUN-2007	23:46:26;	Dark	;	44.0;	40;	The	Sco	;	1.86;	7100;	occ;	88;	0;	27525
10;	1169.9;	05-JUN-2007	23:48:12;	Dark	;	44.5;	25;	35Lam	Sco	;	1.62;	28000;	occ;	89;	0;	27525
11;	1269.2;	05-JUN-2007	23:49:52;	Dark	;	48.0;	75;	26Eps	Sco	;	2.29;	4250;	occ;	96;	0;	27525
12;	1387.9;	05-JUN-2007	23:51:50;	Dark	;	46.0;	136;	23Tau	Sco	;	2.82;	30000;	occ;	92;	0;	27525
13;	1509.0;	05-JUN-2007	23:53:51;	Bright;		37.5;	80;	7Del	Sco	;	2.32;	30000;	occ;	75;	0;	27525
14;	1597.4;	05-JUN-2007	23:55:20;	Bright;		42.5;	86;	35Eta	Oph	;	2.43;	10200;	occ;	85;	0;	27525
15;	1705.7;	05-JUN-2007	23:57:08;	Bright;		39.0;	98;	13Zet	Oph	;	2.57;	30000;	occ;	78;	0;	27525
16;	1834.5;	05-JUN-2007	23:59:17;	Bright;		38.0;	120;	1Del	Oph	;	2.73;	3200;	occ;	76;	0;	27525
17;	2302.2;	06-JUN-2007	00:07:05;	Bright;		41.0;	127;	27Bet	Her	;	2.78;	4700;	occ;	82;	0;	27525
18;	2500.2;	06-JUN-2007	00:10:23;	Bright;		39.5;	133;	40Zet	Her	;	2.81;	6000;	occ;	79;	0;	27525
19;	2987.9;	06-JUN-2007	00:18:30;	Bright;		35.5;	119;	14Eta	Dra	;	2.73;	4700;	occ;	71;	0;	27525
20;	3165.2;	06-JUN-2007	00:21:28;	Bright;		37.5;	60;	7Bet	UMi	;	2.08;	3950;	occ;	75;	0;	27525
21;	3446.7;	06-JUN-2007	00:26:09;	Bright;		36.0;	49;	1Alp	UMi	;	1.99;	6300;	occ;	72;	0;	27525
22;	3922.2;	06-JUN-2007	00:34:05;	Bright;		37.5;	76;	27Gam	Cas	;	2.30;	30000;	occ;	75;	0;	27525
23;	4261.9;	06-JUN-2007	00:39:44;	Bright;		34.5;	73;	57Gam1	And	;	2.26;	13100;	occ;	69;	0;	27525
24;	4400.4;	06-JUN-2007	00:42:03;	Dark	;	44.0;	53;	43Bet	And	;	2.05;	3300;	occ;	88;	0;	27525
25;	4645.8;	06-JUN-2007	00:46:08;	Dark	;	40.5;	105;	6Bet	Ari	;	2.64;	8900;	occ;	81;	0;	27525

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3;	-1392.2;	05-JUN-2007	06:19:31;	Dark	;	40.5;	105;	6Bet	Ari	;	2.64;	8900;	occ;	81;	0;	27514
4;	-608.3;	05-JUN-2007	06:32:35;	Dark	;	47.5;	52;	16Bet	Cet	;	2.04;	4500;	occ;	95;	0;	27514
5;	-358.8;	05-JUN-2007	06:36:44;	Dark	;	59.5;	0;			;	0.00;	0;	occ;	119;	0;	27514
6;	-210.3;	05-JUN-2007	06:39:13;	Dark	;	41.0;	84;	Alp	Phe	;	2.40;	4500;	occ;	82;	0;	27514
7;	125.0;	05-JUN-2007	06:44:48;	Dark	;	62.5;	63;	Bet	Gru	;	2.15;	2800;	occ;	125;	0;	27515
8;	241.4;	05-JUN-2007	06:46:45;	Dark	;	46.0;	31;	Alp	Gru	;	1.73;	15200;	occ;	92;	0;	27515
9;	525.3;	05-JUN-2007	06:51:28;	Dark	;	44.0;	45;	Alp	Pav	;	1.94;	26000;	occ;	88;	0;	27515
10;	880.0;	05-JUN-2007	06:57:23;	Dark	;	41.5;	141;	Bet	Ara	;	2.84;	4600;	occ;	83;	0;	27515
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12;	1059.7;	05-JUN-2007	07:00:23;	Dark	;	46.5;	40;	The	Sco	;	1.86;	7100;	occ;	93;	0;	27515
13;	1166.3;	05-JUN-2007	07:02:09;	Dark	;	44.5;	25;	35Lam	Sco	;	1.62;	28000;	occ;	89;	0;	27515
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 16; 1834.5; 06-JUN-2007 01:39:53; Bright; 37.5; 120; 1Del Oph ; 2.73; 3200;occ; 75; 0;27526
 17; 2014.8; 06-JUN-2007 01:42:53; Bright; 36.0; 102; 24Alp Ser ; 2.60; 4250;occ; 72; 0;27526
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 25; 3165.4; 06-JUN-2007 03:42:39; Bright; 32.5; 60; 7Bet UMi ; 2.08; 3950;occ; 65; 0;27527
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9; 255.0; 06-JUN-2007 06:15:21; Dark ; 45.5; 31; Alp Gru ; 1.73; 15200;occ; 91; 0;27529
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22; 2301.1; 06-JUN-2007 06:49:27; Bright; 40.5; 127; 27Bet Her ; 2.78; 4700;occ; 81; 0;27529
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4; 1272.5; 06-JUN-2007 19:57:06; Dark ; 45.0; 75; 26Eps Sco ; 2.29; 4250;occ; 90; 0;27537
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8; 1706.5; 06-JUN-2007 20:04:20; Bright; 39.0; 98; 13Zet Oph ; 2.57; 30000;occ; 78; 0;27537
9; 1834.9; 06-JUN-2007 20:06:29; Bright; 37.5; 120; 1Del Oph ; 2.73; 3200;occ; 75; 0;27537
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4;	145.6;	06-JUN-2007	21:18:55;	Dark	;	50.0;	63;	Bet	Gru	;	2.15;	2800;	occ;	100;	0;	27538
5;	263.6;	06-JUN-2007	21:20:53;	Dark	;	47.0;	31;	Alp	Gru	;	1.73;	15200;	occ;	94;	0;	27538
6;	540.6;	06-JUN-2007	21:25:30;	Dark	;	44.0;	45;	Alp	Pav	;	1.94;	26000;	occ;	88;	0;	27538
7;	887.7;	06-JUN-2007	21:31:17;	Dark	;	39.0;	141;	Bet	Ara	;	2.84;	4600;	occ;	78;	0;	27538
8;	965.6;	06-JUN-2007	21:32:35;	Dark	;	39.5;	147;	Alp	Ara	;	2.88;	26000;	occ;	79;	0;	27538
9;	1068.6;	06-JUN-2007	21:34:18;	Dark	;	45.0;	40;	The	Sco	;	1.86;	7100;	occ;	90;	0;	27538
10;	1174.6;	06-JUN-2007	21:36:04;	Dark	;	46.0;	25;	35Lam	Sco	;	1.62;	28000;	occ;	92;	0;	27538
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13;	1511.3;	06-JUN-2007	21:41:41;	Bright;		37.5;	80;	7Del	Sco	;	2.32;	30000;	occ;	75;	0;	27538
14;	1598.7;	06-JUN-2007	21:43:08;	Bright;		42.5;	86;	35Eta	Oph	;	2.43;	10200;	occ;	85;	0;	27538
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16;	1834.8;	06-JUN-2007	21:47:04;	Bright;		37.5;	120;	1Del	Oph	;	2.73;	3200;	occ;	75;	0;	27538
17;	2015.0;	06-JUN-2007	21:50:05;	Bright;		35.0;	102;	24Alp	Ser	;	2.60;	4250;	occ;	70;	0;	27538
18;	2298.6;	06-JUN-2007	21:54:48;	Bright;		40.0;	127;	27Bet	Her	;	2.78;	4700;	occ;	80;	0;	27538
19;	2495.1;	06-JUN-2007	21:58:05;	Bright;		40.5;	133;	40Zet	Her	;	2.81;	6000;	occ;	81;	0;	27538
20;	2984.7;	06-JUN-2007	22:06:14;	Bright;		51.0;	119;	14Eta	Dra	;	2.73;	4700;	occ;	102;	0;	27538
21;	3165.2;	06-JUN-2007	22:09:15;	Bright;		36.5;	60;	7Bet	UMi	;	2.08;	3950;	occ;	73;	0;	27538
22;	3446.6;	06-JUN-2007	22:13:56;	Bright;		35.5;	49;	1Alp	UMi	;	1.99;	6300;	occ;	71;	0;	27538
23;	3920.0;	06-JUN-2007	22:21:50;	Bright;		36.0;	76;	27Gam	Cas	;	2.30;	30000;	occ;	72;	0;	27538
24;	4262.7;	06-JUN-2007	22:27:32;	Bright;		54.0;	73;	57Gam1	And	;	2.26;	13100;	occ;	108;	0;	27538
25;	4401.4;	06-JUN-2007	22:29:51;	Dark	;	52.0;	53;	43Bet	And	;	2.05;	3300;	occ;	104;	0;	27538
26;	4648.5;	06-JUN-2007	22:33:58;	Dark	;	40.5;	105;	6Bet	Ari	;	2.64;	8900;	occ;	81;	0;	27538

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3;	-195.5;	06-JUN-2007	22:53:50;	Dark	;	44.0;	84;	Alp	Phe	;	2.40;	4500;	occ;	88;	0;	27538
4;	146.5;	06-JUN-2007	22:59:32;	Dark	;	63.0;	63;	Bet	Gru	;	2.15;	2800;	occ;	126;	0;	27539
5;	264.5;	06-JUN-2007	23:01:30;	Dark	;	52.0;	31;	Alp	Gru	;	1.73;	15200;	occ;	104;	0;	27539
6;	541.3;	06-JUN-2007	23:06:07;	Dark	;	42.5;	45;	Alp	Pav	;	1.94;	26000;	occ;	85;	0;	27539
7;	888.0;	06-JUN-2007	23:11:53;	Dark	;	40.0;	141;	Bet	Ara	;	2.84;	4600;	occ;	80;	0;	27539
8;	966.0;	06-JUN-2007	23:13:11;	Dark	;	37.5;	147;	Alp	Ara	;	2.88;	26000;	occ;	75;	0;	27539
9;	1068.9;	06-JUN-2007	23:14:54;	Dark	;	44.0;	40;	The	Sco	;	1.86;	7100;	occ;	88;	0;	27539
10;	1174.9;	06-JUN-2007	23:16:40;	Dark	;	44.0;	25;	35Lam	Sco	;	1.62;	28000;	occ;	88;	0;	27539
11;	1273.0;	06-JUN-2007	23:18:18;	Dark	;	43.5;	75;	26Eps	Sco	;	2.29;	4250;	occ;	87;	0;	27539
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 16; 6307.4; 07-JUN-2007 10:45:48; Dark ; 45.5; 31; Alp Gru ; 1.73; 15200;occ; 91; 0;27545
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 22; 7310.9; 07-JUN-2007 11:02:32; Dark ; 43.5; 75; 26Eps Sco ; 2.29; 4250;occ; 87; 0;27545
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13; 4263.8; 07-JUN-2007 15:13:32; Bright; 53.5; 73; 57Gam1And ; 2.26; 13100;occ; 107; 0;27548
14; 4402.4; 07-JUN-2007 15:15:51; Dark ; 53.5; 53; 43Bet And ; 2.05; 3300;occ; 107; 0;27548
15; 4651.1; 07-JUN-2007 15:20:00; Dark ; 39.5; 105; 6Bet Ari ; 2.64; 8900;occ; 79; 0;27548
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 25; 7214.7; 07-JUN-2007 16:02:43; Dark ; 46.0; 25; 35Lam Sco ; 1.62; 28000;occ; 92; 0;27548
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 7; 2015.5; 07-JUN-2007 16:16:40; Bright; 35.5; 102; 24Alp Ser ; 2.60; 4250;occ; 71; 0;27549
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 23; 6927.8; 07-JUN-2007 17:38:32; Dark ; 41.5; 141; Bet Ara ; 2.84; 4600;occ; 83; 0;27549
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 9; 4602.8; 10-JUN-2007 12:03:45; Dark ; 44.5; 50; 13Alp Ari ; 2.01; 4250;occ; 89; 0;27589
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22; 7301.5; 29-JUN-2007 14:32:12; Dark ; 42.0; 25; 35Lam Sco ; 1.62; 28000;occ; 84; 0;27862
23; 7385.5; 29-JUN-2007 14:33:36; Dark ; 44.0; 116; 19Del Sgr ; 2.70; 4100;occ; 88; 0;27862

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2; 1743.9; 29-JUN-2007 14:40:11; Bright; 36.0; 98; 13Zet Oph ; 2.57; 30000;occ; 72; 0;27863
3; 1982.9; 29-JUN-2007 14:44:10; Bright; 37.5; 126; 60Bet Oph ; 2.77; 4250;occ; 75; 0;27863
4; 2123.7; 29-JUN-2007 14:46:30; Bright; 37.5; 59; 55Alp Oph ; 2.08; 8900;occ; 75; 0;27863
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6; 2446.8; 29-JUN-2007 14:51:53; Bright; 34.0; 133; 40Zet Her ; 2.81; 6000;occ; 68; 0;27863
7; 2813.7; 29-JUN-2007 14:58:00; Bright; 38.0; 130; 23Bet Dra ; 2.80; 5800;occ; 76; 0;27863
8; 2951.9; 29-JUN-2007 15:00:18; Bright; 35.0; 119; 14Eta Dra ; 2.73; 4700;occ; 70; 0;27863
9; 3188.1; 29-JUN-2007 15:04:15; Bright; 34.5; 60; 7Bet UMi ; 2.08; 3950;occ; 69; 0;27863
10; 3445.7; 29-JUN-2007 15:08:32; Bright; 35.5; 49; 1Alp UMi ; 1.99; 6300;occ; 71; 0;27863
11; 4064.2; 29-JUN-2007 15:18:51; Bright; 44.0; 160; 23Gam Per ; 2.93; 4700;occ; 88; 0;27863
12; 4164.8; 29-JUN-2007 15:20:31; Bright; 33.0; 175; 39Del Per ; 3.01; 19400;occ; 66; 0;27863
13; 4293.9; 29-JUN-2007 15:22:41; Bright; 49.0; 79; 26Bet Per ; 2.31; 13100;occ; 98; 0;27863
14; 4967.0; 29-JUN-2007 15:33:54; Dark ; 49.0; 94; 92Alp Cet ; 2.53; 3100;occ; 98; 0;27863
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16; 5701.3; 29-JUN-2007 15:46:08; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;27863
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22; 7301.8; 29-JUN-2007 16:12:48; Dark ; 28.5; 25; 35Lam Sco ; 1.62; 28000;occ; 57; 0;27863

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 3; 1166.3; 29-JUN-2007 21:12:57; Dark ; 41.5; 40; The Sco ; 1.86; 7100;occ; 83; 0;27867
 4; 1266.3; 29-JUN-2007 21:14:37; Dark ; 41.0; 25; 35Lam Sco ; 1.62; 28000;occ; 82; 0;27867
 5; 1350.5; 29-JUN-2007 21:16:01; Dark ; 55.5; 116; 19Del Sgr ; 2.70; 4100;occ; 111; 0;27867
 6; 1639.5; 29-JUN-2007 21:20:50; Bright; 36.5; 86; 35Eta Oph ; 2.43; 10200;occ; 73; 0;27867
 7; 1744.4; 29-JUN-2007 21:22:35; Bright; 36.0; 98; 13Zet Oph ; 2.57; 30000;occ; 72; 0;27867
 8; 1982.7; 29-JUN-2007 21:26:33; Bright; 38.0; 126; 60Bet Oph ; 2.77; 4250;occ; 76; 0;27867
 9; 2123.4; 29-JUN-2007 21:28:54; Bright; 36.5; 59; 55Alp Oph ; 2.08; 8900;occ; 73; 0;27867
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 11; 2446.9; 29-JUN-2007 21:34:17; Bright; 36.0; 133; 40Zet Her ; 2.81; 6000;occ; 72; 0;27867
 12; 2812.9; 29-JUN-2007 21:40:23; Bright; 38.0; 130; 23Bet Dra ; 2.80; 5800;occ; 76; 0;27867
 13; 2951.7; 29-JUN-2007 21:42:42; Bright; 35.5; 119; 14Eta Dra ; 2.73; 4700;occ; 71; 0;27867
 14; 3188.5; 29-JUN-2007 21:46:39; Bright; 36.0; 60; 7Bet UMi ; 2.08; 3950;occ; 72; 0;27867
 15; 3445.5; 29-JUN-2007 21:50:56; Bright; 36.0; 49; 1Alp UMi ; 1.99; 6300;occ; 72; 0;27867
 16; 4063.6; 29-JUN-2007 22:01:14; Bright; 39.0; 160; 23Gam Per ; 2.93; 4700;occ; 78; 0;27867
 17; 4164.7; 29-JUN-2007 22:02:55; Bright; 40.0; 175; 39Del Per ; 3.01; 19400;occ; 80; 0;27867
 18; 4293.9; 29-JUN-2007 22:05:04; Bright; 44.0; 79; 26Bet Per ; 2.31; 13100;occ; 88; 0;27867
 19; 4968.5; 29-JUN-2007 22:16:19; Dark ; 45.5; 94; 92Alp Cet ; 2.53; 3100;occ; 91; 0;27867
 20; 5195.2; 29-JUN-2007 22:20:06; Dark ; 2.0; 165; 34Gam Eri ; 2.95; 3200;occ; 4; 0;27867

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 3; 25.6; 29-JUN-2007 22:34:32; Dark ; 42.0; 9; Alp Eri ; 0.45; 24000;occ; 84; 0;27868
 4; 470.6; 29-JUN-2007 22:41:57; Dark ; 43.0; 148; Alp Tuc ; 2.88; 4100;occ; 86; 0;27868
 5; 734.9; 29-JUN-2007 22:46:21; Dark ; 41.5; 45; Alp Pav ; 1.94; 26000;occ; 83; 0;27868
 6; 1058.8; 29-JUN-2007 22:51:45; Dark ; 38.0; 147; Alp Ara ; 2.88; 26000;occ; 76; 0;27868
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 9; 1350.5; 29-JUN-2007 22:56:37; Dark ; 47.5; 116; 19Del Sgr ; 2.70; 4100;occ; 95; 0;27868
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 11; 1744.6; 29-JUN-2007 23:03:11; Bright; 35.0; 98; 13Zet Oph ; 2.57; 30000;occ; 70; 0;27868
 12; 1982.6; 29-JUN-2007 23:07:09; Bright; 37.0; 126; 60Bet Oph ; 2.77; 4250;occ; 74; 0;27868
 13; 2123.3; 29-JUN-2007 23:09:30; Bright; 36.5; 59; 55Alp Oph ; 2.08; 8900;occ; 73; 0;27868
 14; 2281.0; 29-JUN-2007 23:12:07; Bright; 37.5; 127; 27Bet Her ; 2.78; 4700;occ; 75; 0;27868
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 16; 2812.6; 29-JUN-2007 23:20:59; Bright; 35.0; 130; 23Bet Dra ; 2.80; 5800;occ; 70; 0;27868
 17; 2951.8; 29-JUN-2007 23:23:18; Bright; 34.5; 119; 14Eta Dra ; 2.73; 4700;occ; 69; 0;27868
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 19; 3445.5; 29-JUN-2007 23:31:32; Bright; 34.5; 49; 1Alp UMi ; 1.99; 6300;occ; 69; 0;27868
 20; 4063.6; 29-JUN-2007 23:41:50; Bright; 36.0; 160; 23Gam Per ; 2.93; 4700;occ; 72; 0;27868
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 22; 4294.0; 29-JUN-2007 23:45:40; Bright; 30.0; 79; 26Bet Per ; 2.31; 13100;occ; 60; 0;27868
 23; 4968.9; 29-JUN-2007 23:56:55; Dark ; 48.5; 94; 92Alp Cet ; 2.53; 3100;occ; 97; 0;27868
 24; 5195.4; 30-JUN-2007 00:00:42; Dark ; 37.5; 165; 34Gam Eri ; 2.95; 3200;occ; 75; 0;27868

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 4; 1744.0; 29-JUN-2007 16:20:47; Bright; 36.5; 98; 13Zet Oph ; 2.57; 30000;occ; 73; 0;27864
 5; 1982.9; 29-JUN-2007 16:24:46; Bright; 37.5; 126; 60Bet Oph ; 2.77; 4250;occ; 75; 0;27864
 6; 2123.5; 29-JUN-2007 16:27:06; Bright; 38.5; 59; 55Alp Oph ; 2.08; 8900;occ; 77; 0;27864
 7; 2280.6; 29-JUN-2007 16:29:43; Bright; 36.0; 127; 27Bet Her ; 2.78; 4700;occ; 72; 0;27864
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 9; 2813.5; 29-JUN-2007 16:38:36; Bright; 38.0; 130; 23Bet Dra ; 2.80; 5800;occ; 76; 0;27864
 10; 2951.8; 29-JUN-2007 16:40:54; Bright; 36.0; 119; 14Eta Dra ; 2.73; 4700;occ; 72; 0;27864
 11; 3188.2; 29-JUN-2007 16:44:51; Bright; 33.5; 60; 7Bet UMi ; 2.08; 3950;occ; 67; 0;27864
 12; 3445.7; 29-JUN-2007 16:49:08; Bright; 35.5; 49; 1Alp UMi ; 1.99; 6300;occ; 71; 0;27864
 13; 4064.1; 29-JUN-2007 16:59:27; Bright; 50.0; 160; 23Gam Per ; 2.93; 4700;occ; 100; 0;27864
 14; 4164.7; 29-JUN-2007 17:01:07; Bright; 33.0; 175; 39Del Per ; 3.01; 19400;occ; 66; 0;27864
 15; 4293.7; 29-JUN-2007 17:03:16; Bright; 45.0; 79; 26Bet Per ; 2.31; 13100;occ; 90; 0;27864
 16; 4967.5; 29-JUN-2007 17:14:30; Dark ; 51.5; 94; 92Alp Cet ; 2.53; 3100;occ; 103; 0;27864
 17; 5194.7; 29-JUN-2007 17:18:17; Dark ; 40.0; 165; 34Gam Eri ; 2.95; 3200;occ; 80; 0;27864
 18; 5701.9; 29-JUN-2007 17:26:44; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;27864
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 20; 6505.0; 29-JUN-2007 17:40:08; Dark ; 40.5; 148; Alp Tuc ; 2.88; 4100;occ; 81; 0;27864
 21; 6769.4; 29-JUN-2007 17:44:32; Dark ; 39.5; 45; Alp Pav ; 1.94; 26000;occ; 79; 0;27864

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2;	1165.9;	29-JUN-2007	17:51:45;	Dark	;	42.5;	40;	The Sco	;	1.86;	7100;occ;	85;	0;	27865
3;	1265.9;	29-JUN-2007	17:53:25;	Dark	;	39.5;	25;	35Lam Sco	;	1.62;	28000;occ;	79;	0;	27865
4;	1349.9;	29-JUN-2007	17:54:49;	Dark	;	45.5;	116;	19Del Sgr	;	2.70;	4100;occ;	91;	0;	27865
5;	1639.3;	29-JUN-2007	17:59:38;	Bright;		36.5;	86;	35Eta Oph	;	2.43;	10200;occ;	73;	0;	27865
6;	1744.2;	29-JUN-2007	18:01:23;	Bright;		35.5;	98;	13Zet Oph	;	2.57;	30000;occ;	71;	0;	27865
7;	1982.8;	29-JUN-2007	18:05:21;	Bright;		38.0;	126;	60Bet Oph	;	2.77;	4250;occ;	76;	0;	27865
8;	2123.4;	29-JUN-2007	18:07:42;	Bright;		36.5;	59;	55Alp Oph	;	2.08;	8900;occ;	73;	0;	27865
9;	2280.8;	29-JUN-2007	18:10:19;	Bright;		37.5;	127;	27Bet Her	;	2.78;	4700;occ;	75;	0;	27865
10;	2446.8;	29-JUN-2007	18:13:05;	Bright;		34.0;	133;	40Zet Her	;	2.81;	6000;occ;	68;	0;	27865
11;	2813.3;	29-JUN-2007	18:19:12;	Bright;		37.5;	130;	23Bet Dra	;	2.80;	5800;occ;	75;	0;	27865
12;	2951.7;	29-JUN-2007	18:21:30;	Bright;		36.0;	119;	14Eta Dra	;	2.73;	4700;occ;	72;	0;	27865
13;	3188.2;	29-JUN-2007	18:25:27;	Bright;		35.5;	60;	7Bet UMi	;	2.08;	3950;occ;	71;	0;	27865
14;	3445.6;	29-JUN-2007	18:29:44;	Bright;		35.5;	49;	1Alp UMi	;	1.99;	6300;occ;	71;	0;	27865
15;	4063.9;	29-JUN-2007	18:40:03;	Bright;		37.0;	160;	23Gam Per	;	2.93;	4700;occ;	74;	0;	27865
16;	4164.6;	29-JUN-2007	18:41:43;	Bright;		37.0;	175;	39Del Per	;	3.01;	19400;occ;	74;	0;	27865
17;	4293.7;	29-JUN-2007	18:43:52;	Bright;		36.0;	79;	26Bet Per	;	2.31;	13100;occ;	72;	0;	27865
18;	4967.8;	29-JUN-2007	18:55:06;	Dark	;	49.5;	94;	92Alp Cet	;	2.53;	3100;occ;	99;	0;	27865
19;	5194.8;	29-JUN-2007	18:58:53;	Dark	;	40.5;	165;	34Gam Eri	;	2.95;	3200;occ;	81;	0;	27865
20;	5702.4;	29-JUN-2007	19:07:21;	Dark	;	59.5;	0;		;	0.00;	0;occ;	119;	0;	27865
21;	6060.7;	29-JUN-2007	19:13:19;	Dark	;	46.0;	9;	Alp Eri	;	0.45;	24000;occ;	92;	0;	27865
22;	6505.5;	29-JUN-2007	19:20:44;	Dark	;	42.5;	148;	Alp Tuc	;	2.88;	4100;occ;	85;	0;	27865
23;	6769.8;	29-JUN-2007	19:25:08;	Dark	;	39.0;	45;	Alp Pav	;	1.94;	26000;occ;	78;	0;	27865

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2;	1166.2;	29-JUN-2007	19:32:21;	Dark	;	43.0;	40;	The Sco	;	1.86;	7100;occ;	86;	0;	27866
3;	1266.1;	29-JUN-2007	19:34:01;	Dark	;	39.5;	25;	35Lam Sco	;	1.62;	28000;occ;	79;	0;	27866
4;	1350.1;	29-JUN-2007	19:35:25;	Dark	;	49.0;	116;	19Del Sgr	;	2.70;	4100;occ;	98;	0;	27866
5;	1639.4;	29-JUN-2007	19:40:14;	Bright;		37.0;	86;	35Eta Oph	;	2.43;	10200;occ;	74;	0;	27866
6;	1744.2;	29-JUN-2007	19:41:59;	Bright;		35.0;	98;	13Zet Oph	;	2.57;	30000;occ;	70;	0;	27866
7;	1982.7;	29-JUN-2007	19:45:57;	Bright;		38.0;	126;	60Bet Oph	;	2.77;	4250;occ;	76;	0;	27866
8;	2123.5;	29-JUN-2007	19:48:18;	Bright;		38.0;	59;	55Alp Oph	;	2.08;	8900;occ;	76;	0;	27866
9;	2280.8;	29-JUN-2007	19:50:55;	Bright;		36.5;	127;	27Bet Her	;	2.78;	4700;occ;	73;	0;	27866
10;	2446.9;	29-JUN-2007	19:53:41;	Bright;		34.5;	133;	40Zet Her	;	2.81;	6000;occ;	69;	0;	27866
11;	2813.1;	29-JUN-2007	19:59:48;	Bright;		37.5;	130;	23Bet Dra	;	2.80;	5800;occ;	75;	0;	27866
12;	2951.8;	29-JUN-2007	20:02:06;	Bright;		36.0;	119;	14Eta Dra	;	2.73;	4700;occ;	72;	0;	27866
13;	3188.4;	29-JUN-2007	20:06:03;	Bright;		35.5;	60;	7Bet UMi	;	2.08;	3950;occ;	71;	0;	27866
14;	3445.6;	29-JUN-2007	20:10:20;	Bright;		36.0;	49;	1Alp UMi	;	1.99;	6300;occ;	72;	0;	27866
15;	4064.0;	29-JUN-2007	20:20:39;	Bright;		35.0;	160;	23Gam Per	;	2.93;	4700;occ;	70;	0;	27866
16;	4164.8;	29-JUN-2007	20:22:19;	Bright;		33.5;	175;	39Del Per	;	3.01;	19400;occ;	67;	0;	27866
17;	4294.0;	29-JUN-2007	20:24:29;	Bright;		44.0;	79;	26Bet Per	;	2.31;	13100;occ;	88;	0;	27866
18;	4968.0;	29-JUN-2007	20:35:43;	Dark	;	48.5;	94;	92Alp Cet	;	2.53;	3100;occ;	97;	0;	27866
19;	5194.9;	29-JUN-2007	20:39:30;	Dark	;	42.5;	165;	34Gam Eri	;	2.95;	3200;occ;	85;	0;	27866
20;	5702.9;	29-JUN-2007	20:47:58;	Dark	;	59.5;	0;		;	0.00;	0;occ;	119;	0;	27866
21;	6061.1;	29-JUN-2007	20:53:56;	Dark	;	51.0;	9;	Alp Eri	;	0.45;	24000;occ;	102;	0;	27866
22;	6506.0;	29-JUN-2007	21:01:21;	Dark	;	40.5;	148;	Alp Tuc	;	2.88;	4100;occ;	81;	0;	27866

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2;	-331.9;	30-JUN-2007	00:09:10;	Dark	;	59.5;	0;		;	0.00;	0;occ;	119;	0;	27868
3;	26.1;	30-JUN-2007	00:15:08;	Dark	;	41.5;	9;	Alp Eri	;	0.45;	24000;occ;	83;	0;	27869
4;	471.2;	30-JUN-2007	00:22:34;	Dark	;	41.5;	148;	Alp Tuc	;	2.88;	4100;occ;	83;	0;	27869
5;	735.3;	30-JUN-2007	00:26:58;	Dark	;	40.0;	45;	Alp Pav	;	1.94;	26000;occ;	80;	0;	27869
6;	1059.0;	30-JUN-2007	00:32:21;	Dark	;	36.5;	147;	Alp Ara	;	2.88;	26000;occ;	73;	0;	27869
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