

GOMOS Daily Report 02-APR-2008

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	04APR2008 05:32:36
Data source version	GOMOS/5.00
Start time of products	QDS_YESTERDAY(/START)-1D (02APR2008 00:00:00)
Stop time of products	QDS_YESTERDAY(/STOP)-1D (03APR2008 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)

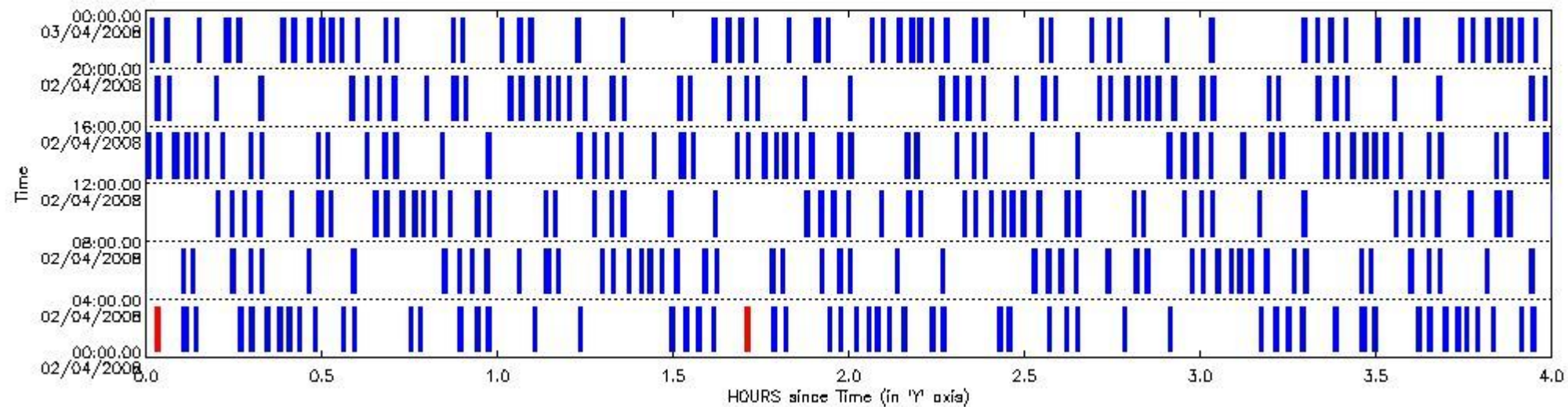
2.1 Level 0 products arrived in PCF (see template [here](#))

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)

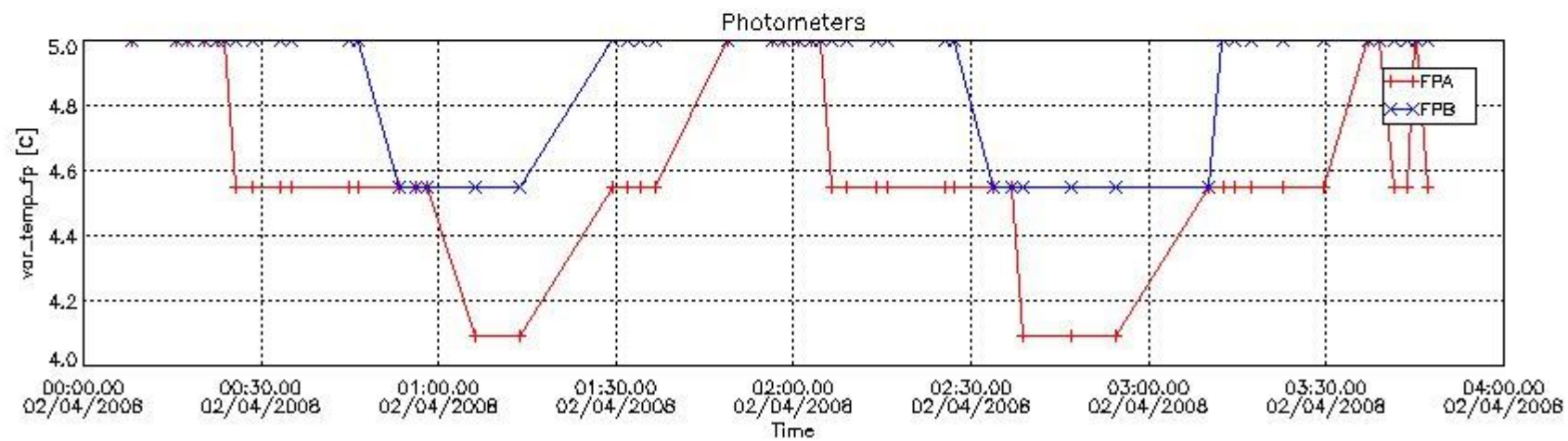
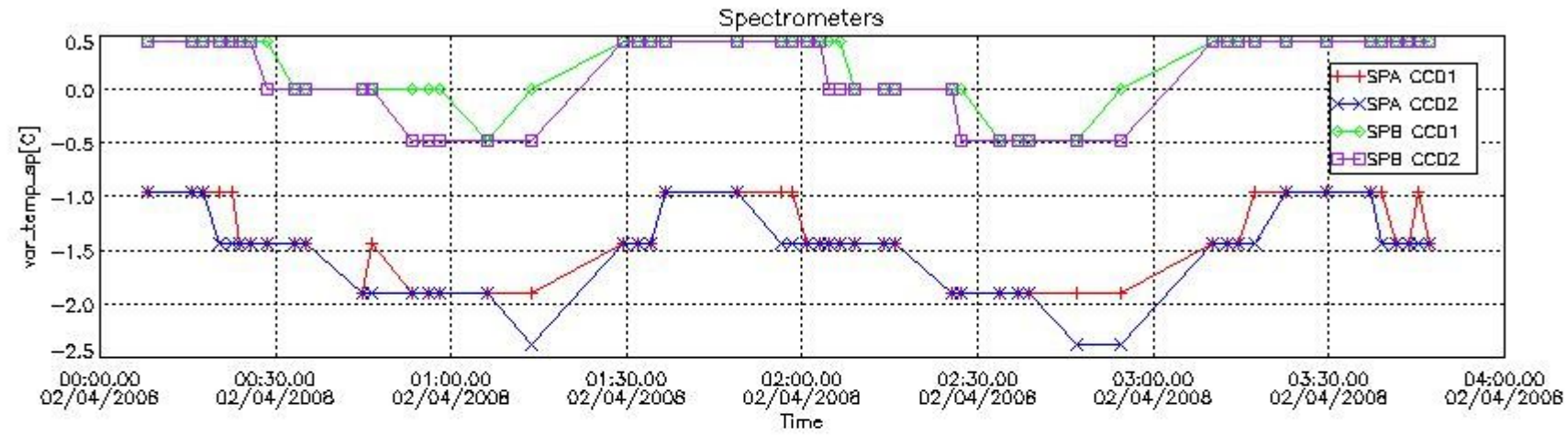
UTC start time	Star name	Star ID	Orbit
02-APR-2008 00:01:31	GamGru	172	31833
02-APR-2008 01:42:07	GamGru	172	31834

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_1PNPDE20080402_000813_000000382067_00216_31833_8083.N1	02-APR-2008 00:08:13	Dark	38.000	45	Alp Pav	1.9400	26000.	76	31833	No
2	GOM_TRA_1PNPDE20080402_001545_000000402067_00217_31834_8084.N1	02-APR-2008 00:15:45	Dark	39.500	43	Alp TrA	1.9100	4250.0	79	31834	No
3	GOM_TRA_1PNPDE20080402_001737_000000392067_00217_31834_8085.N1	02-APR-2008 00:17:37	Dark	39.000	134	Bet TrA	2.8100	6600.0	78	31834	No
4	GOM_TRA_1PNPDE20080402_002014_000000482067_00217_31834_8086.N1	02-APR-2008 00:20:14	Dark	47.500	4	Alp1Cen	-0.010000	5800.0	95	31834	No
5	GOM_TRA_1PNPDE20080402_002227_000000412067_00217_31834_8087.N1	02-APR-2008 00:22:27	Straylight	41.000	12	Alp1Cru	0.77500	30000.	82	31834	No
6	GOM_TRA_1PNPDE20080402_002355_000000482067_00217_31834_8088.N1	02-APR-2008 00:23:55	Straylight	48.000	26	Gam Cru	1.6240	2900.0	96	31834	No
7	GOM_TRA_1PNPDE20080402_002552_000000392067_00217_31834_8089.N1	02-APR-2008 00:25:52	Straylight	39.000	64	Gam Cen	2.2000	10600.	78	31834	No
8	GOM_TRA_1PNPDE20080402_002827_000000412067_00217_31834_8090.N1	02-APR-2008 00:28:27	Straylight	41.000	123	lot Cen	2.7500	10200.	82	31834	No
9	GOM_TRA_1PNPDE20080402_003315_000000432067_00217_31834_8205.N1	02-APR-2008 00:33:15	Twilight_stray	43.000	106	9Bet Crv	2.6480	5600.0	86	31834	No

10	GOM_TRA_1PNPDE20080402_003512_000000402067_00217_31834_8206.N1	02-APR-2008 00:35:12	Twilight	40.000	100	4Gam Crv	2.5800	13100.	80	31834	No
11	GOM_TRA_1PNPDE20080402_004450_000000382067_00217_31834_8207.N1	02-APR-2008 00:44:50	Bright	37.500	62	94Bet Leo	2.1360	9700.0	75	31834	No
12	GOM_TRA_1PNPDE20080402_004628_000000362067_00217_31834_8208.N1	02-APR-2008 00:46:28	Bright	35.500	96	68Del Leo	2.5600	9300.0	71	31834	No
13	GOM_TRA_1PNPDE20080402_005316_000000372067_00217_31834_8209.N1	02-APR-2008 00:53:16	Bright	37.000	174	52Psi UMa	3.0040	4400.0	74	31834	No
14	GOM_TRA_1PNPDE20080402_005615_000000362067_00217_31834_8210.N1	02-APR-2008 00:56:15	Bright	35.500	87	64Gam UMa	2.4330	11000.	71	31834	No
15	GOM_TRA_1PNPDE20080402_005808_000000382067_00217_31834_8211.N1	02-APR-2008 00:58:08	Bright	37.500	36	50Alp UMa	1.8000	6300.0	75	31834	No
16	GOM_TRA_1PNPDE20080402_010611_000000322067_00217_31834_8212.N1	02-APR-2008 01:06:11	Bright	32.000	49	1Alp UMi	1.9900	6300.0	64	31834	No
17	GOM_TRA_1PNPDE20080402_011352_000000372067_00217_31834_8213.N1	02-APR-2008 01:13:52	Bright	37.000	89	5Alp Cep	2.4510	8000.0	74	31834	No
18	GOM_TRA_1PNPDE20080402_012923_000000462067_00217_31834_8214.N1	02-APR-2008 01:29:23	Twilight	45.500	61	8Eps Peg	2.1000	3900.0	91	31834	No
19	GOM_TRA_1PNPDE20080402_013153_000000422067_00217_31834_8215.N1	02-APR-2008 01:31:53	Twilight	41.500	162	34Alp Aqr	2.9440	5350.0	83	31834	No
20	GOM_TRA_1PNPDE20080402_013401_000000432067_00217_31834_8216.N1	02-APR-2008 01:34:01	Dark	42.500	154	22Bet Aqr	2.8990	5700.0	85	31834	No
21	GOM_TRA_1PNPDE20080402_013634_000000402067_00217_31834_8217.N1	02-APR-2008 01:36:34	Dark	40.000	142	49Del Cap	2.8500	8900.0	80	31834	No
22	GOM_TRA_1PNPDE20080402_014850_000000392067_00217_31834_8218.N1	02-APR-2008 01:48:50	Dark	39.000	45	Alp Pav	1.9400	26000.	78	31834	No
23	GOM_TRA_1PNPDE20080402_015621_000000402067_00218_31835_8219.N1	02-APR-2008 01:56:21	Dark	40.000	43	Alp TrA	1.9100	4250.0	80	31835	No
24	GOM_TRA_1PNPDE20080402_015813_000000402067_00218_31835_8220.N1	02-APR-2008 01:58:13	Dark	39.500	134	Bet TrA	2.8100	6600.0	79	31835	No
25	GOM_TRA_1PNPDE20080402_020051_000000432067_00218_31835_8221.N1	02-APR-2008 02:00:51	Dark	43.000	4	Alp1Cen	-0.010000	5800.0	86	31835	No
26	GOM_TRA_1PNPDE20080402_020303_000000432067_00218_31835_8222.N1	02-APR-2008 02:03:03	Straylight	43.000	12	Alp1Cru	0.77500	30000.	86	31835	No
27	GOM_TRA_1PNPDE20080402_020431_000000522067_00218_31835_8223.N1	02-APR-2008 02:04:31	Straylight	51.500	26	Gam Cru	1.6240	2900.0	103	31835	No
28	GOM_TRA_1PNPDE20080402_020628_000000402067_00218_31835_8224.N1	02-APR-2008 02:06:28	Straylight	40.000	64	Gam Cen	2.2000	10600.	80	31835	No
29	GOM_TRA_1PNPDE20080402_020903_000000432067_00218_31835_8225.N1	02-APR-2008 02:09:03	Straylight	42.500	123	lot Cen	2.7500	10200.	85	31835	No
30	GOM_TRA_1PNPDE20080402_021351_000000452067_00218_31835_8226.N1	02-APR-2008 02:13:51	Twilight	44.500	106	9Bet Crv	2.6480	5600.0	89	31835	No
31	GOM_TRA_1PNPDE20080402_021548_000000422067_00218_31835_8431.N1	02-APR-2008 02:15:48	Twilight	42.000	100	4Gam Crv	2.5800	13100.	84	31835	No
32	GOM_TRA_1PNPDE20080402_022526_000000382067_00218_31835_8432.N1	02-APR-2008 02:25:26	Bright	38.000	62	94Bet Leo	2.1360	9700.0	76	31835	No
33	GOM_TRA_1PNPDE20080402_022704_000000362067_00218_31835_8433.N1	02-APR-2008 02:27:04	Bright	36.000	96	68Del Leo	2.5600	9300.0	72	31835	No
34	GOM_TRA_1PNPDE20080402_023352_000000362067_00218_31835_8434.N1	02-APR-2008 02:33:52	Bright	36.000	174	52Psi UMa	3.0040	4400.0	72	31835	No
35	GOM_TRA_1PNPDE20080402_023651_000000372067_00218_31835_8435.N1	02-APR-2008 02:36:51	Bright	37.000	87	64Gam UMa	2.4330	11000.	74	31835	No
36	GOM_TRA_1PNPDE20080402_023844_000000352067_00218_31835_8436.N1	02-APR-2008 02:38:44	Bright	34.500	36	50Alp UMa	1.8000	6300.0	69	31835	No
37	GOM_TRA_1PNPDE20080402_024647_000000362067_00218_31835_8437.N1	02-APR-2008 02:46:47	Bright	35.500	49	1Alp UMi	1.9900	6300.0	71	31835	No
38	GOM_TRA_1PNPDE20080402_025428_000000372067_00218_31835_8438.N1	02-APR-2008 02:54:28	Bright	36.500	89	5Alp Cep	2.4510	8000.0	73	31835	No
39	GOM_TRA_1PNPDE20080402_031000_000000452067_00218_31835_8439.N1	02-APR-2008 03:10:00	Twilight	44.500	61	8Eps Peg	2.1000	3900.0	89	31835	No
40	GOM_TRA_1PNPDE20080402_031229_000000422067_00218_31835_8440.N1	02-APR-2008 03:12:29	Twilight	41.500	162	34Alp Aqr	2.9440	5350.0	83	31835	No
41	GOM_TRA_1PNPDE20080402_031437_000000432067_00218_31835_8441.N1	02-APR-2008 03:14:37	Dark	42.500	154	22Bet Aqr	2.8990	5700.0	85	31835	No
42	GOM_TRA_1PNPDE20080402_031710_000000402067_00218_31835_8442.N1	02-APR-2008 03:17:10	Dark	39.500	142	49Del Cap	2.8500	8900.0	79	31835	No
43	GOM_TRA_1PNPDE20080402_032245_000000372067_00218_31835_8443.N1	02-APR-2008 03:22:45	Dark	36.500	172	Gam Gru	3.0030	13100.	73	31835	No
44	GOM_TRA_1PNPDE20080402_032926_000000382067_00218_31835_8444.N1	02-APR-2008 03:29:26	Dark	37.500	45	Alp Pav	1.9400	26000.	75	31835	No
45	GOM_TRA_1PNPDE20080402_033657_000000432067_00219_31836_8445.N1	02-APR-2008 03:36:57	Dark	43.000	43	Alp TrA	1.9100	4250.0	86	31836	No
46	GOM_TRA_1PNPDE20080402_033850_000000402067_00219_31836_8446.N1	02-APR-2008 03:38:50	Dark	39.500	134	Bet TrA	2.8100	6600.0	79	31836	No
47	GOM_TRA_1PNPDE20080402_034127_000000462067_00219_31836_8447.N1	02-APR-2008 03:41:27	Dark	46.000	4	Alp1Cen	-0.010000	5800.0	92	31836	No
48	GOM_TRA_1PNPDE20080402_034339_000000432067_00219_31836_8448.N1	02-APR-2008 03:43:39	Straylight	42.500	12	Alp1Cru	0.77500	30000.	85	31836	No
49	GOM_TRA_1PNPDE20080402_034507_000000442067_00219_31836_8449.N1	02-APR-2008 03:45:07	Straylight	44.000	26	Gam Cru	1.6240	2900.0	88	31836	No
50	GOM_TRA_1PNPDE20080402_034704_000000372067_00219_31836_8450.N1	02-APR-2008 03:47:04	Straylight	37.000	64	Gam Cen	2.2000	10600.	74	31836	No

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



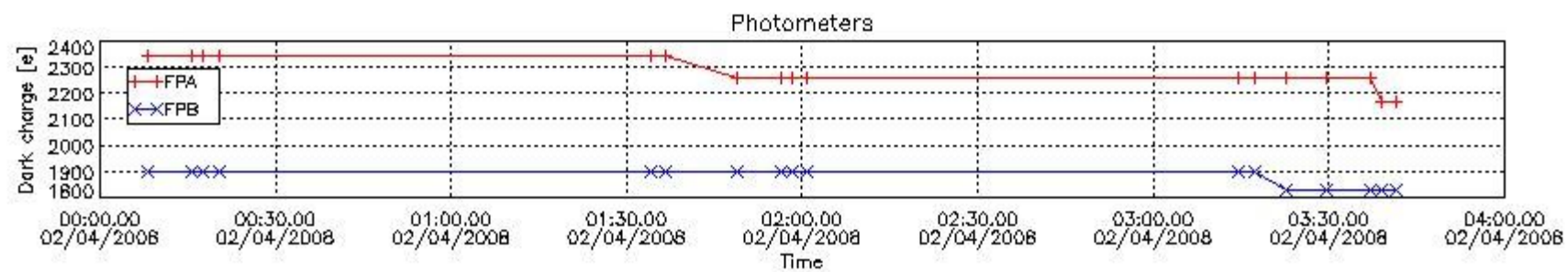
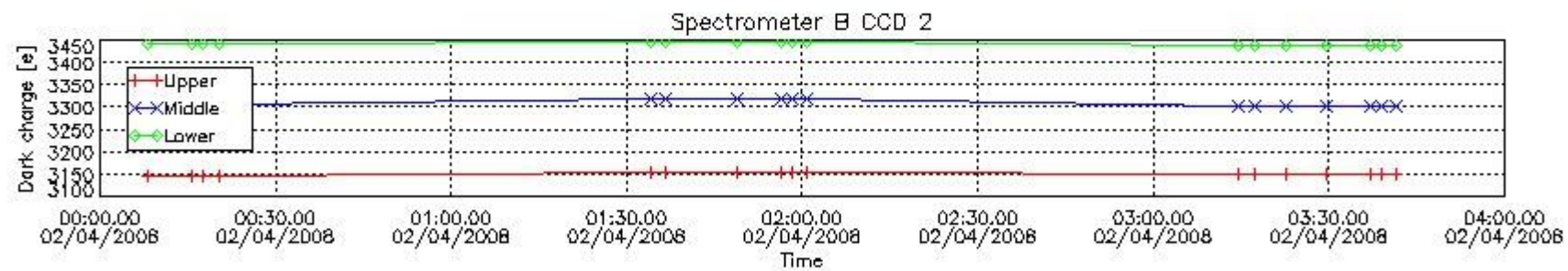
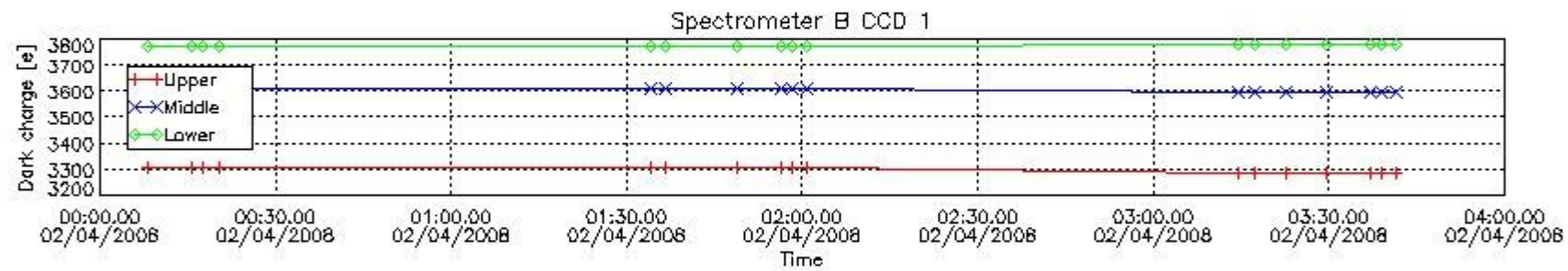
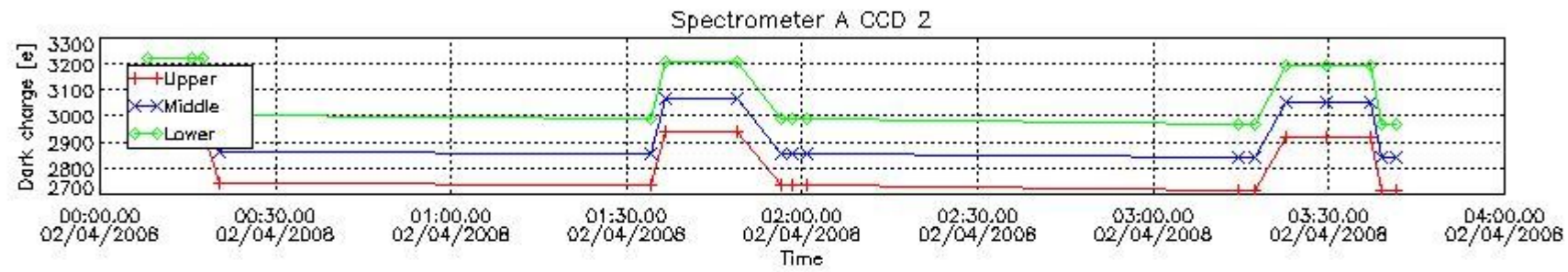
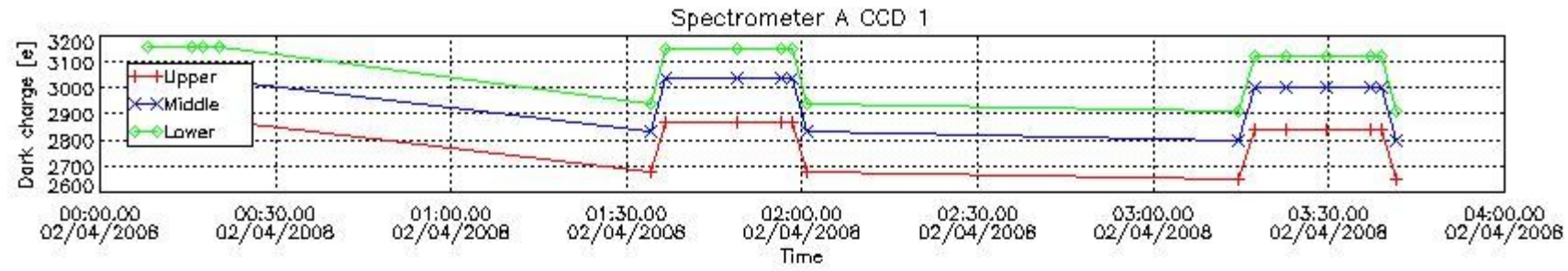
4. Overview of dark signal processing per product

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



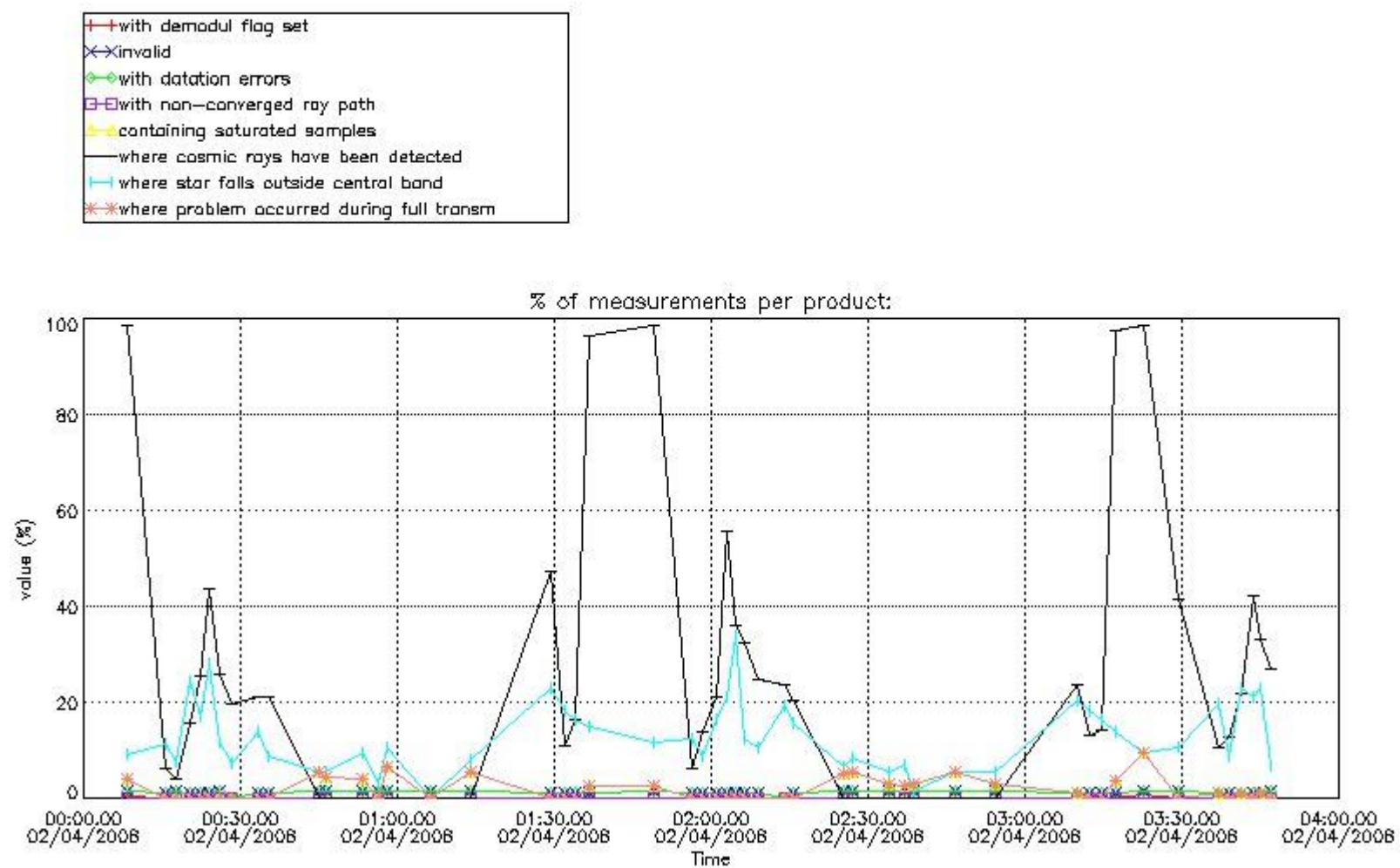
5. Demodulation flag and quality information monitoring

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.

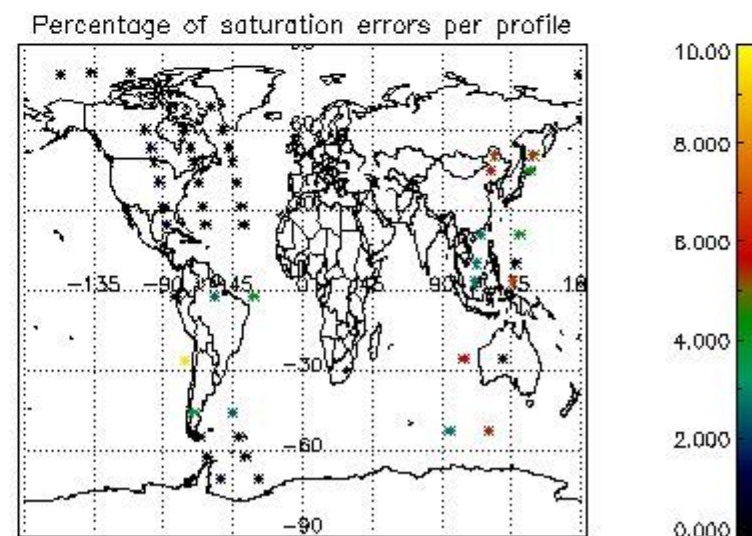
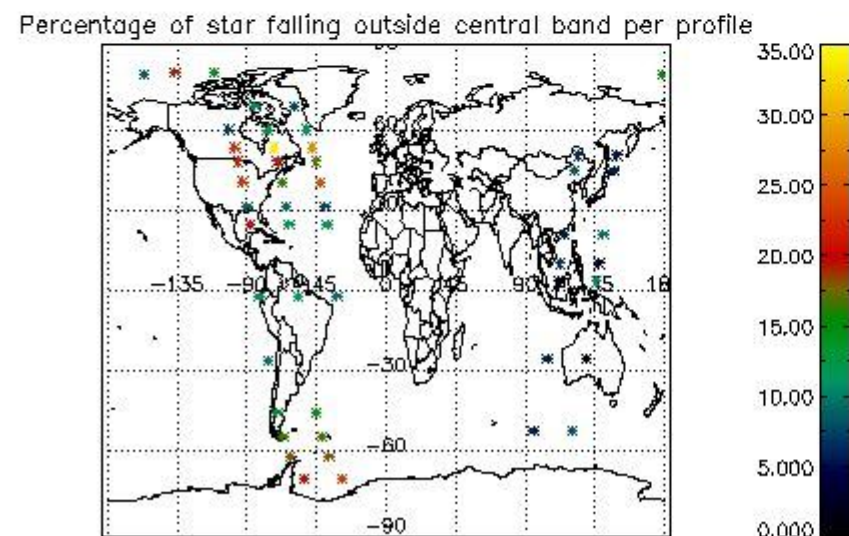
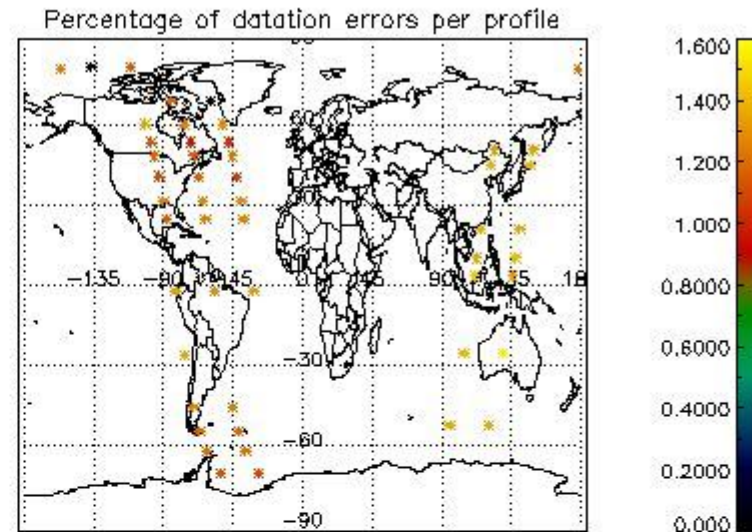
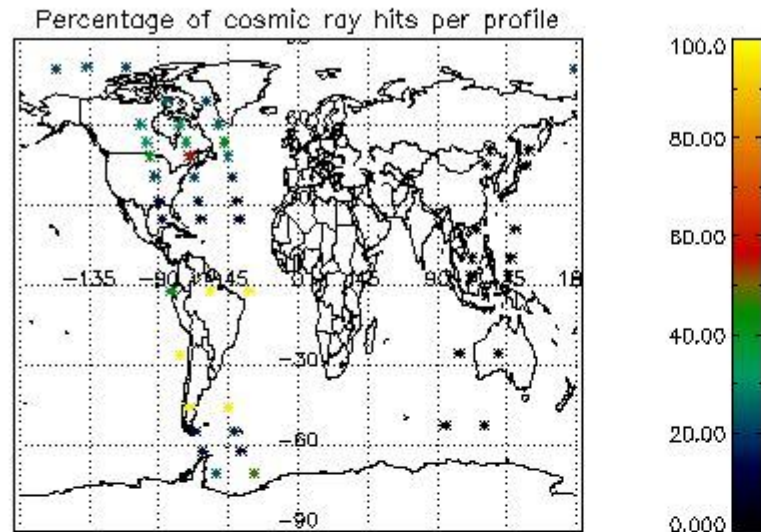
5.1 Percentage of products during reporting period with:

At least one measurement with demodulation flag set:	30.0000 %
Reference spectrum computed from DB:	0.00000 %
Reference spectrum with small number of measurements:	0.00000 %
SATU data not used:	0.00000 %

5.2 Plot quality information per product (time dependant)



5.3 Plot quality information per product (world map)



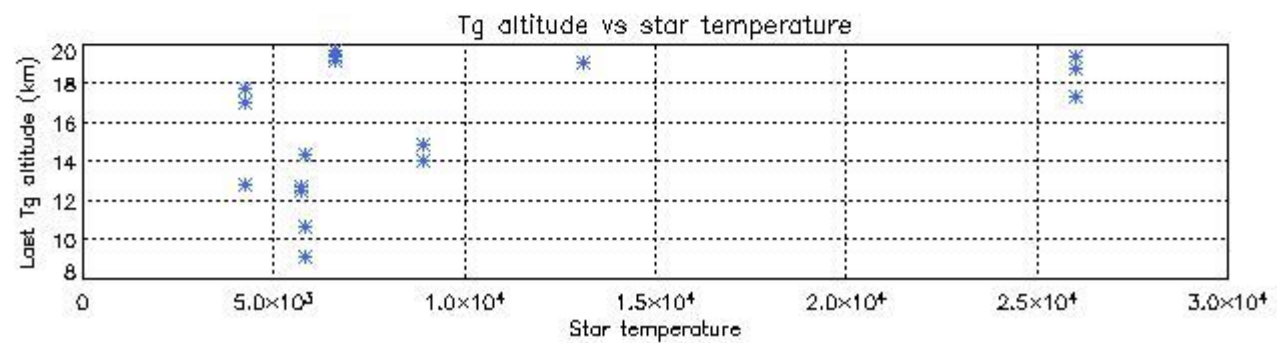
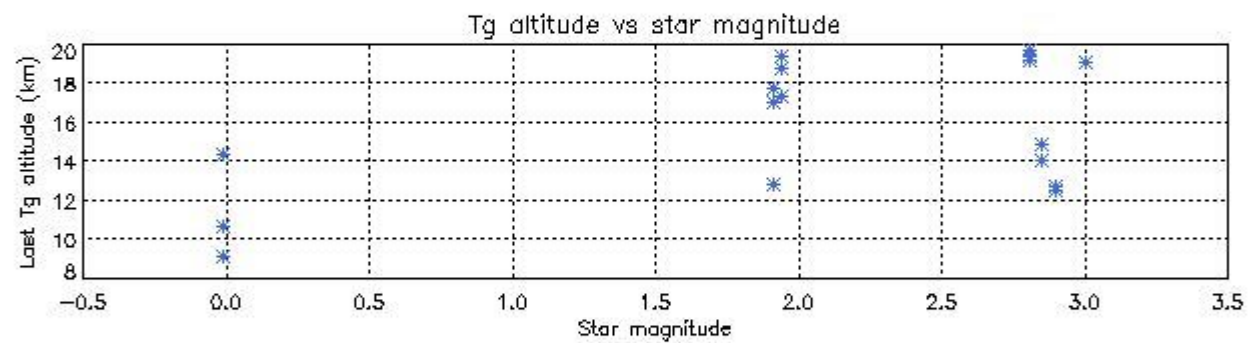
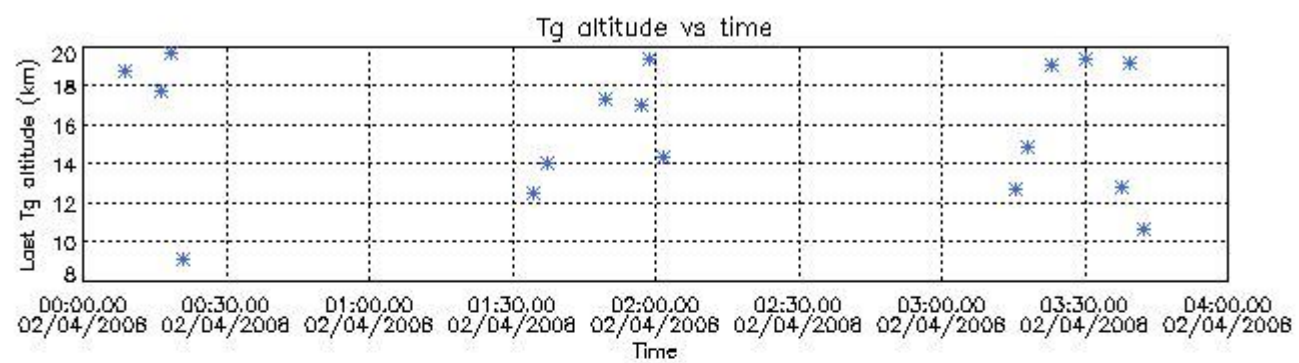
6. Statistics and plot of tangent altitude of the last measurement (DARK & BRIGHT products without errors)

6.1 Statistics on tangent altitude lost:

Statistics	DARK	BRIGHT	TWILIGHT
Mean:	15.800	21.749	12.150
St. deviation:	3.3916	2.8235	0.12287
Maximum:	19.715	29.474	12.237
Minimum:	9.1291	18.678	12.063
Number of data:	17.000	14.000	2.0000

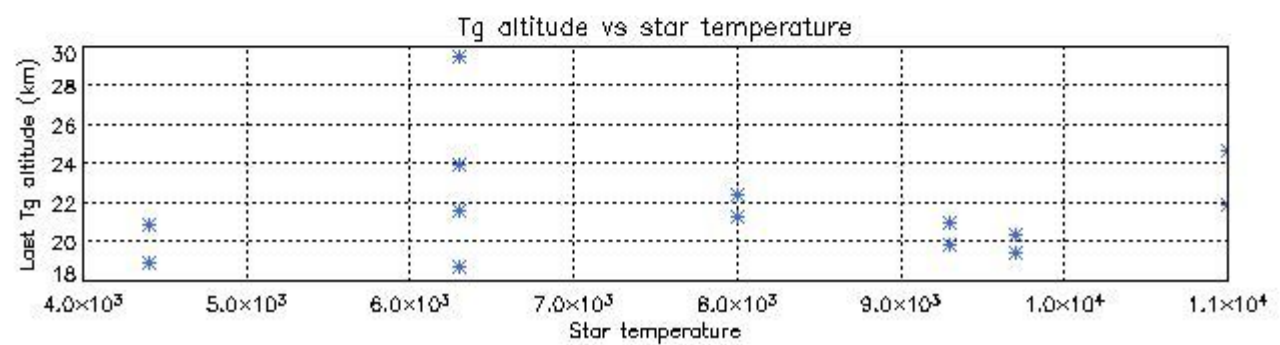
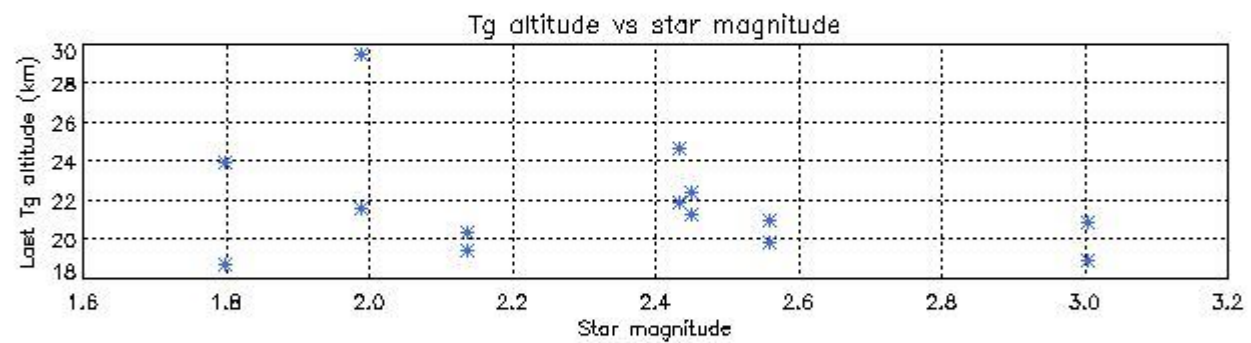
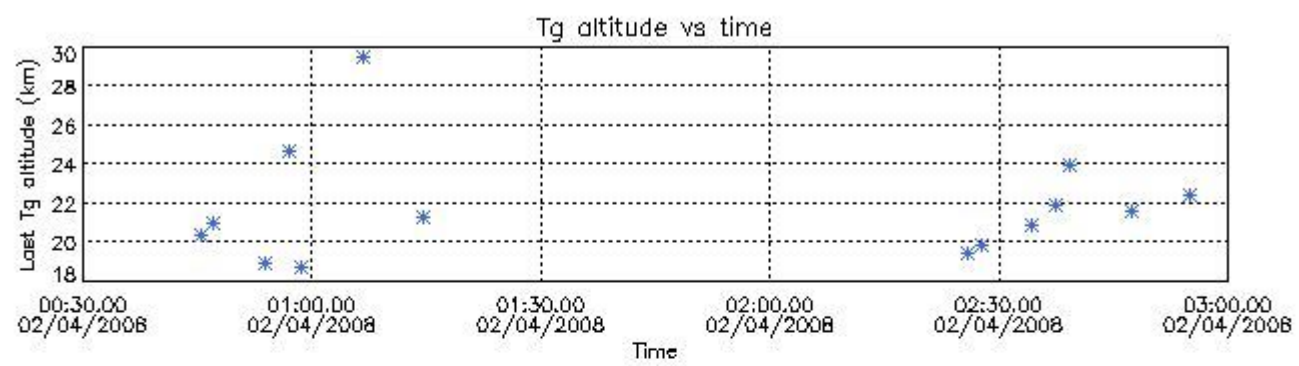
6.2 Plot for DARK limb products

Tangent altitude at which the star is lost



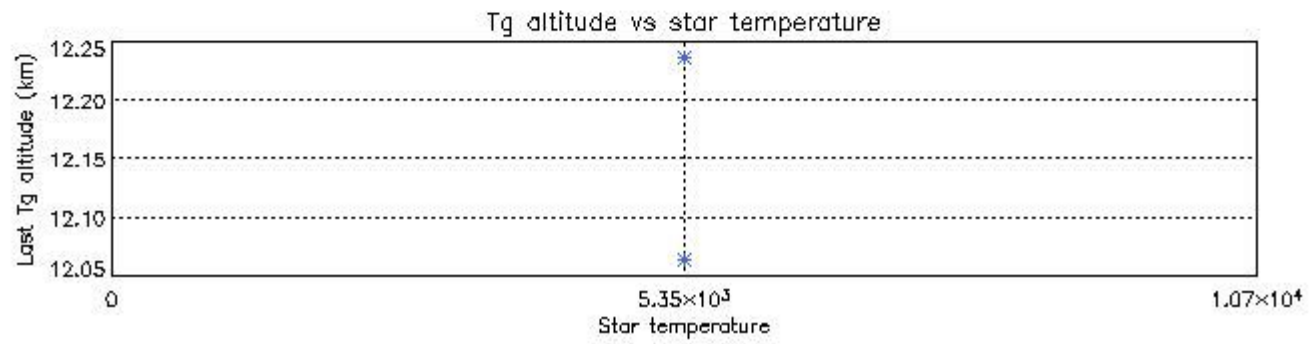
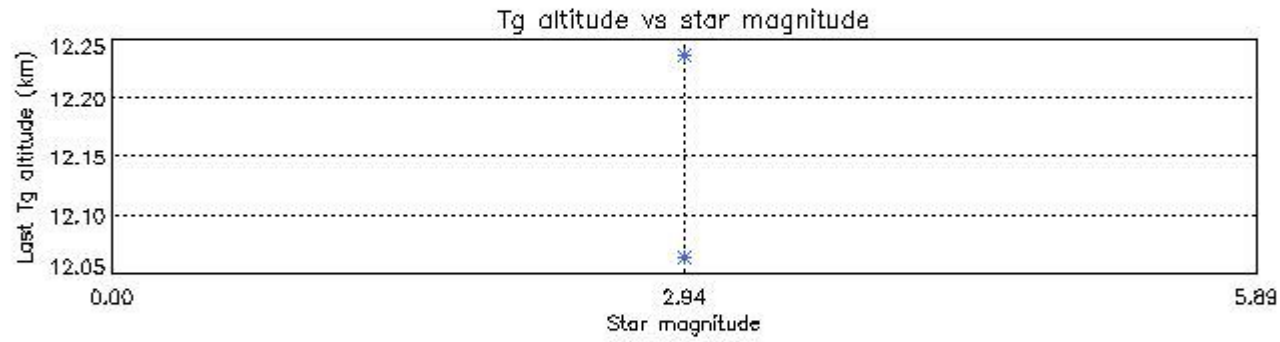
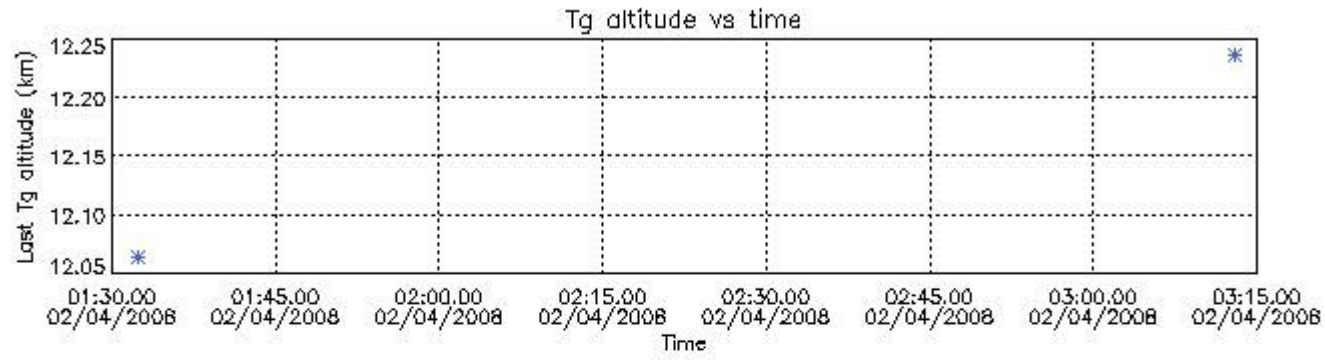
6.3 Plot for BRIGHT limb products

Tangent altitude at which the star is lost



6.3 Plot for TWILIGHT limb products

Tangent altitude at which the star is lost

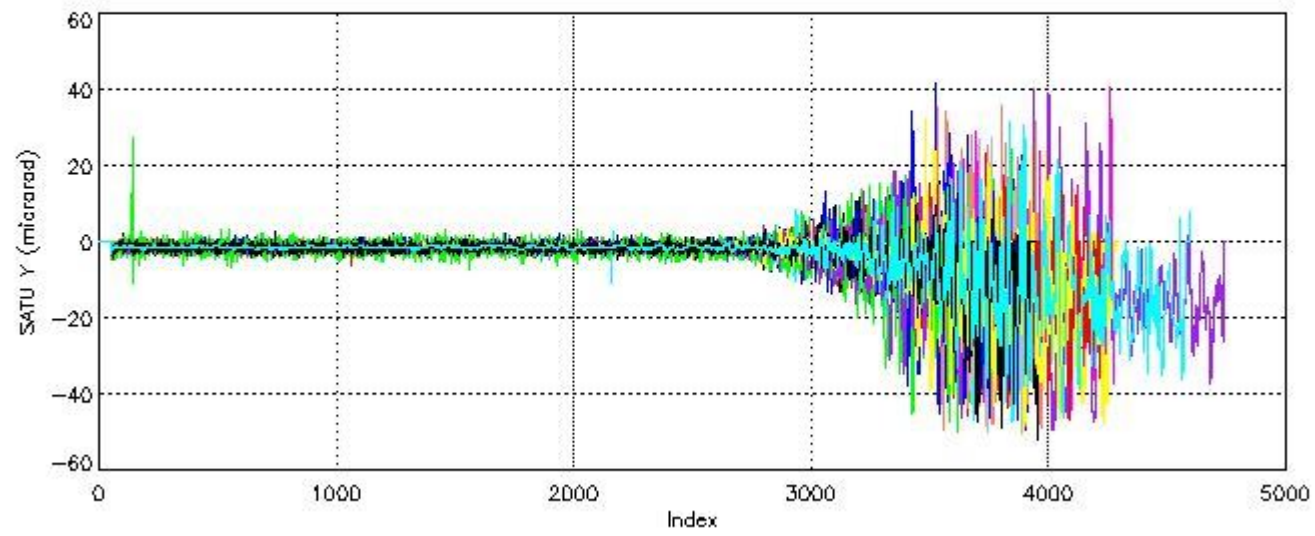
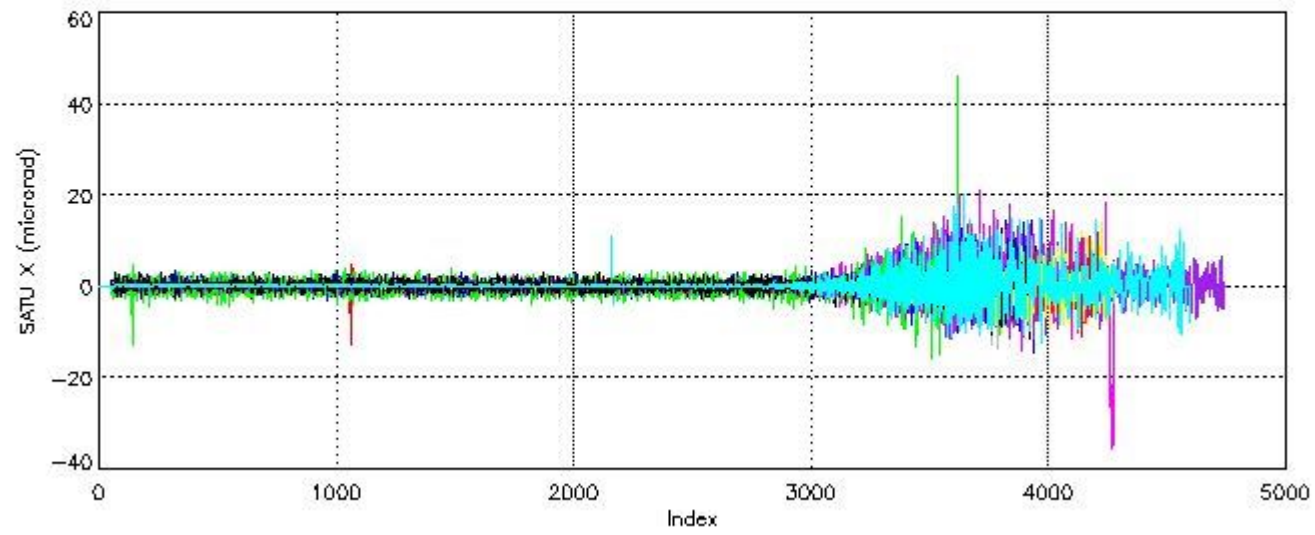


7. Star Acquisition and Tracking Unit (SATU)

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

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

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



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

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

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

7.2.1 SATU NEA Statistics (table)

Statistics	SATU X (D)	SATU Y (D)	SATU X (B)	SATU Y (B)
Mean:	0.055538	-1.4024	0.10235	-1.3952
St. deviation:	0.57187	0.74549	0.78292	0.88232
Maximum:	4.7000	27.400	4.1000	2.0000
Minimum:	-12.600	-11.200	-3.3000	-5.7000

Number of data:	15000.	15000.	11500.	11500.
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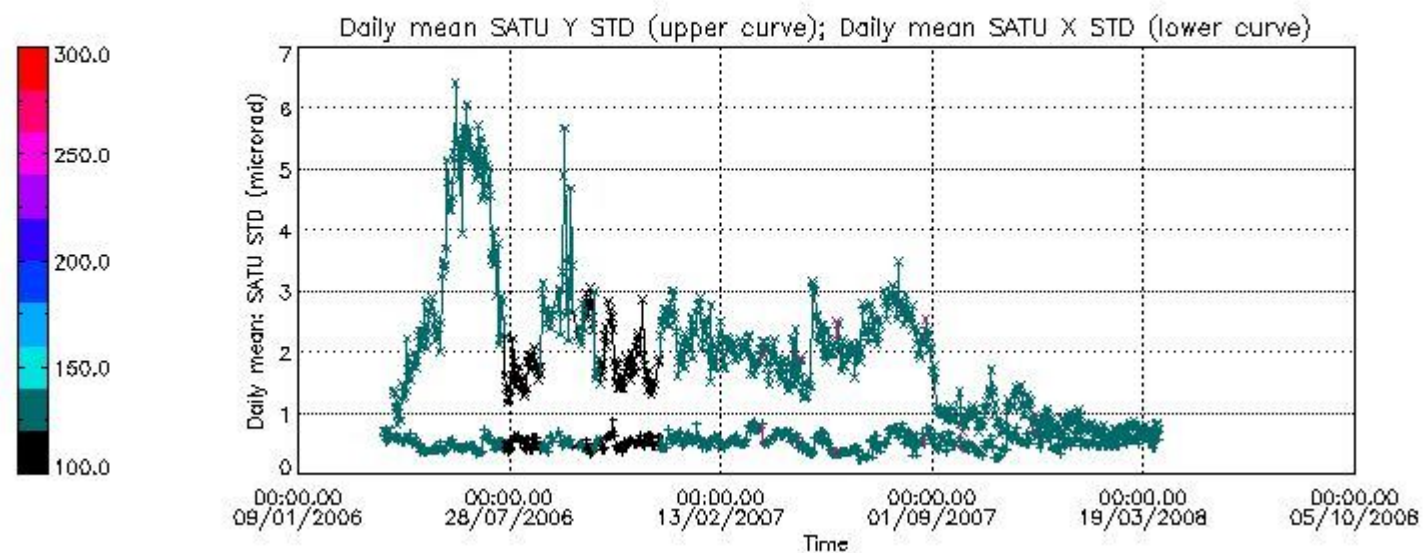
7.2.2 Trend of daily SATU NEA St. deviation since 1st April 2006 (dark limb)

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

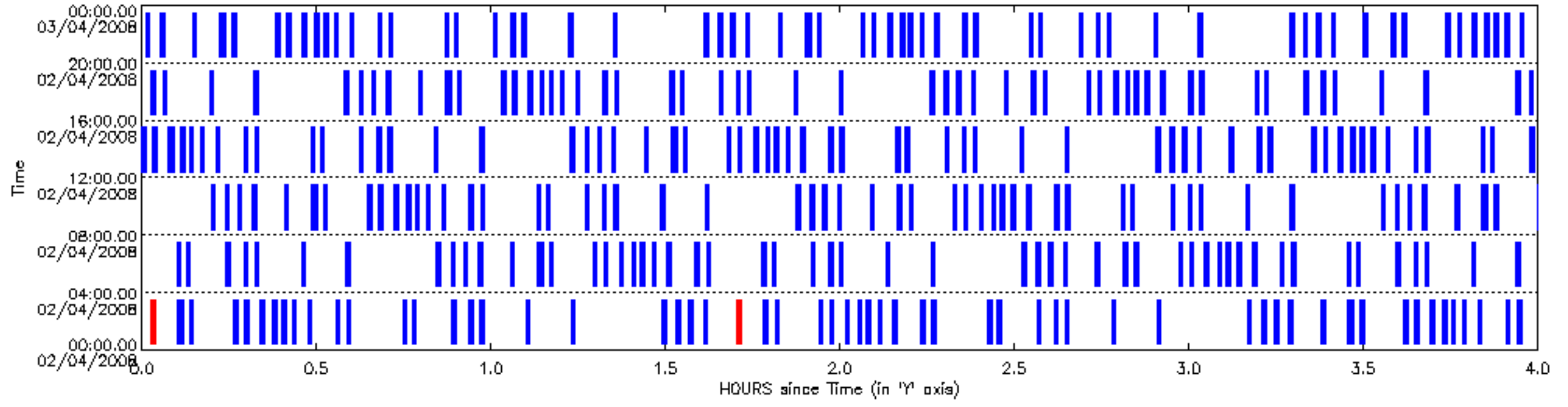
Lower curve: STD of SATU X axis

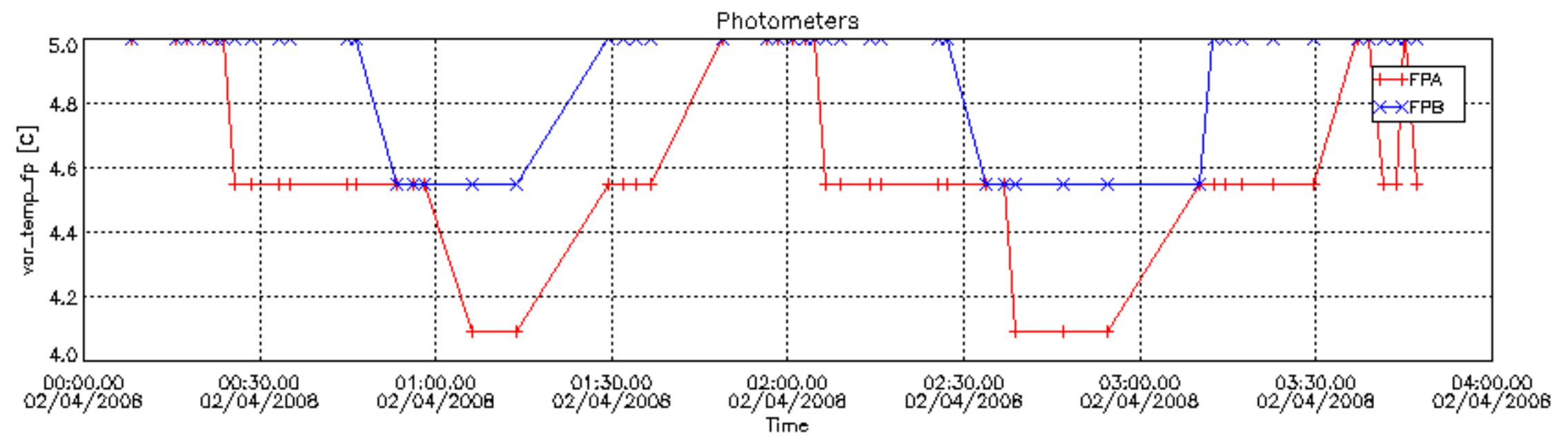
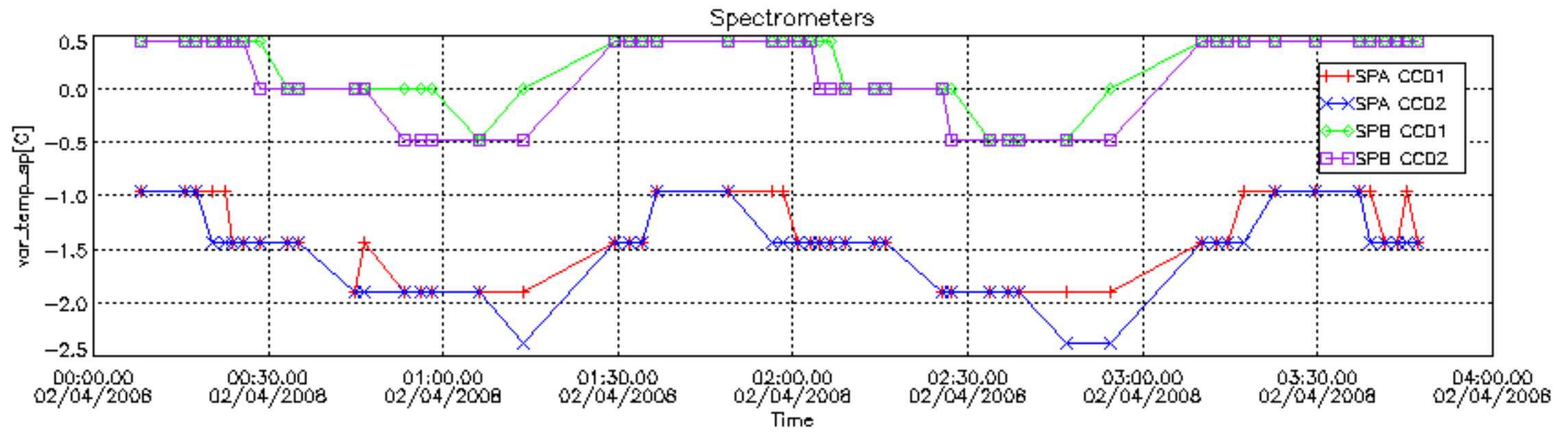


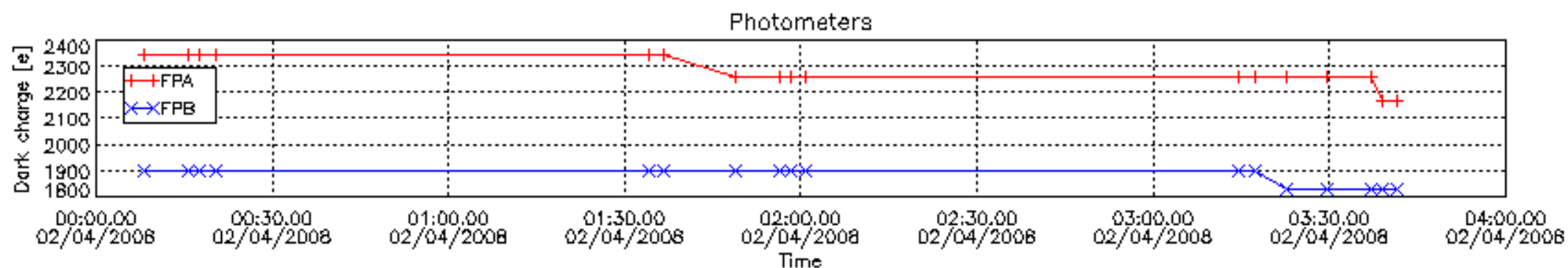
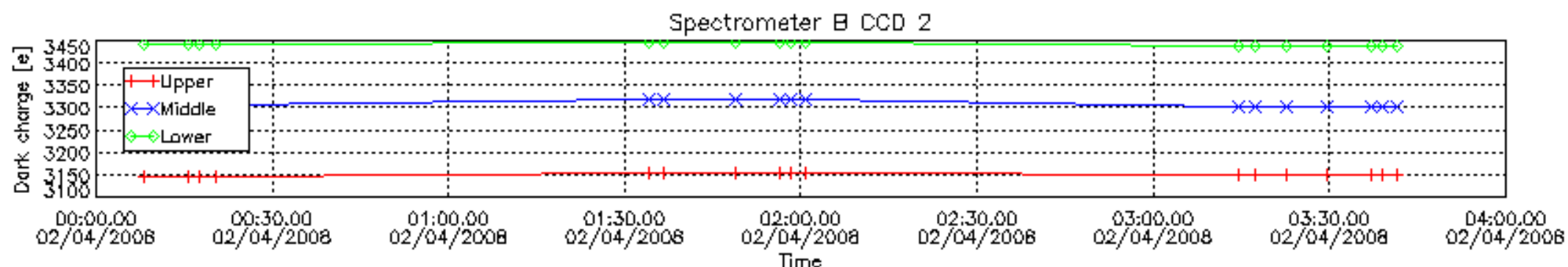
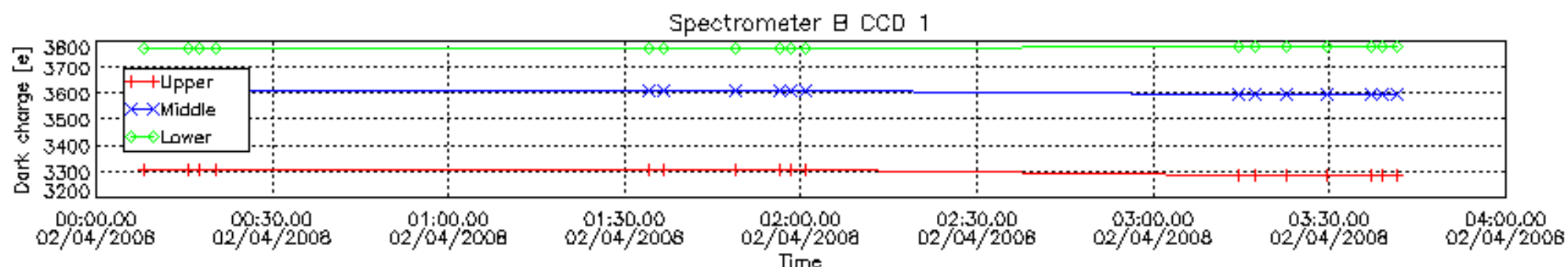
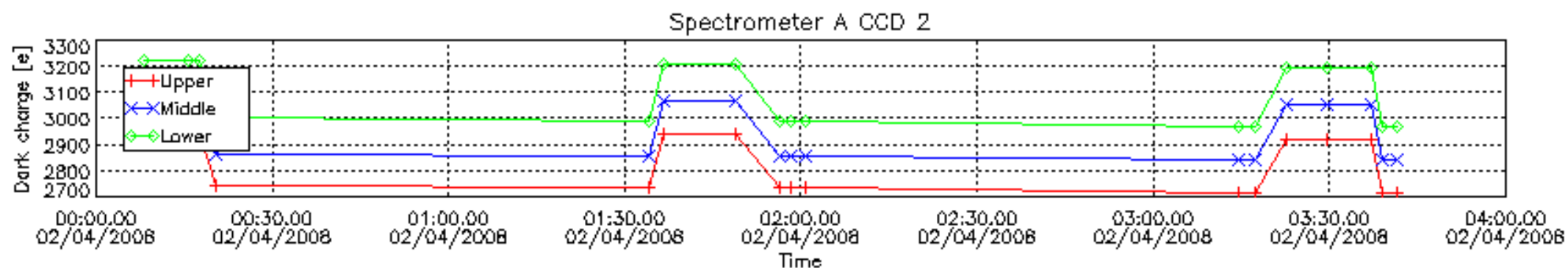
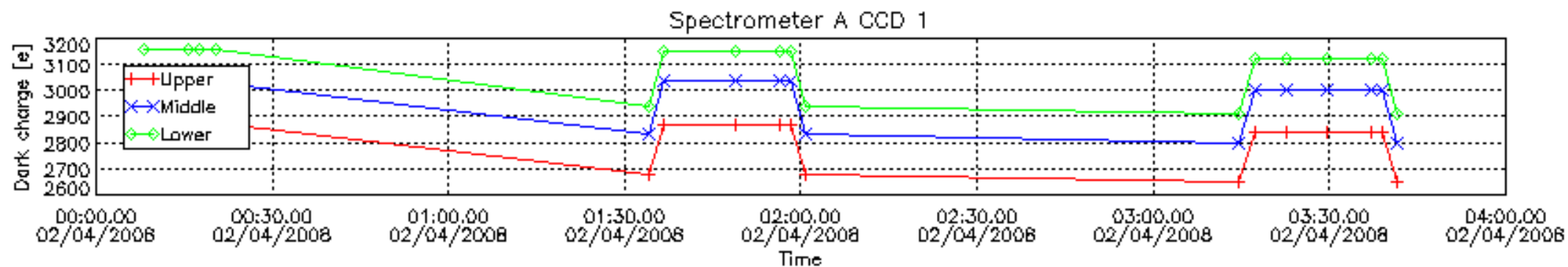
8. Auxiliary Data Files used for the production reported in section 2.4

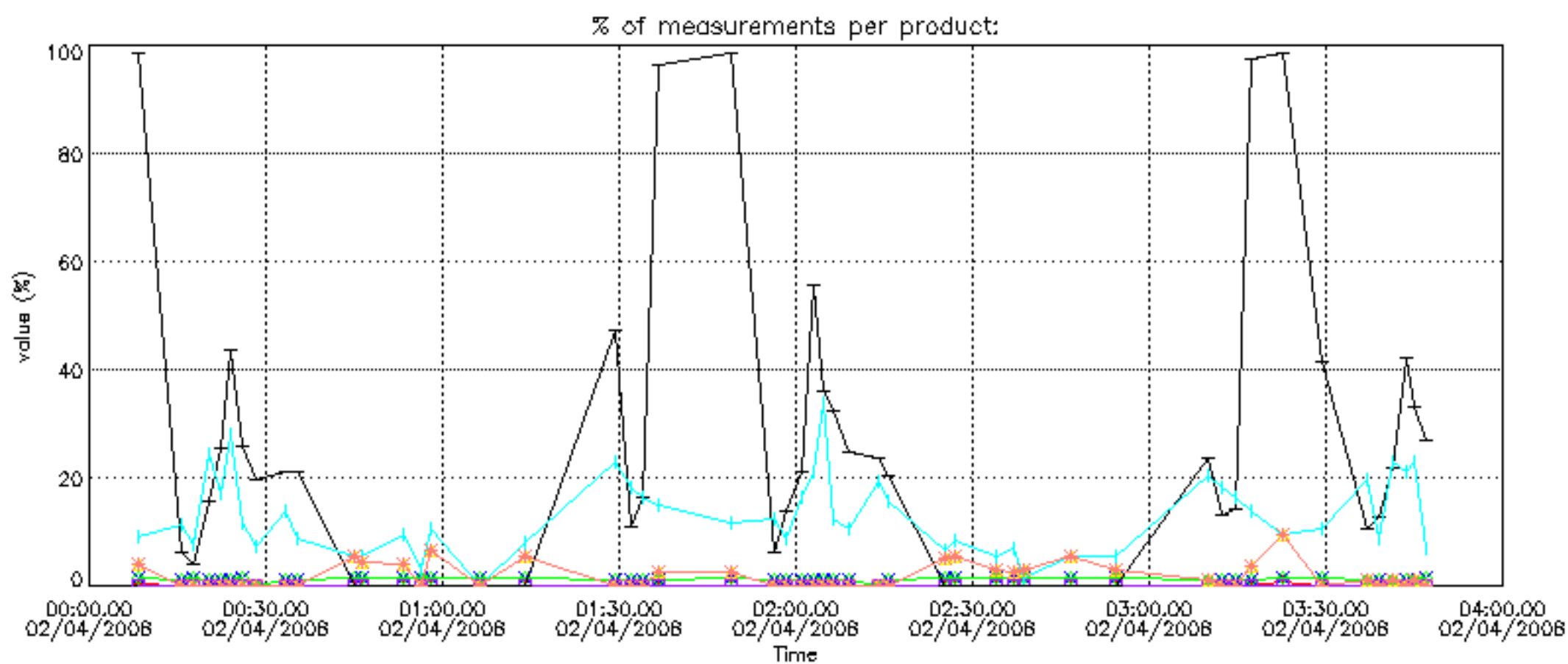
The number reported in the third column indicates since which file (see list in section 2.4) the corresponding auxiliary file has been used. The fourth column is the date of those product files.

Type	Auxiliary Filename	Used since product	Used since product date
INST_PHYS_CHARACTERISTICS	GOM_INS_AXNIEC20050627_150713_20030716_120000_20100101_000000	1	02-APR-2008 00:08:13
CALIBRATION_DATABASE	GOM_CAL_AXVIEC20080401_074641_20080330_000000_20100101_000000	1	02-APR-2008 00:08:13
LEVEL-1B_PROC_CONFIG	GOM_PR1_AXNIEC20050627_151042_20020301_000000_20100101_000000	1	02-APR-2008 00:08:13
STAR_CATALOGUE	GOM_CAT_AXVIEC20020121_161009_20020101_000000_20200101_000000	1	02-APR-2008 00:08:13
STELLAR_SPECTRA_DATABANK	GOM_STS_AXNIEC20040308_103538_20020101_160000_20100101_000000	1	02-APR-2008 00:08:13
ECMWF_FILE	AUX_ECF_AXNECM20080401_072112_20080401_210000_20080402_090000	1	02-APR-2008 00:08:13
OPTIONAL_ECMWF_FILE	MISSING	1	02-APR-2008 00:08:13
ORBIT_DATA_FILE	AUX_FPO_AXVPDS20080401_010110_20080331_193840_20080410_210453	1	02-APR-2008 00:08:13
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20080401_224212_000060572067_00216_31833_5334.N1	9	02-APR-2008 00:33:15
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20080402_002828_000060572067_00217_31834_5335.N1	31	02-APR-2008 02:15:48

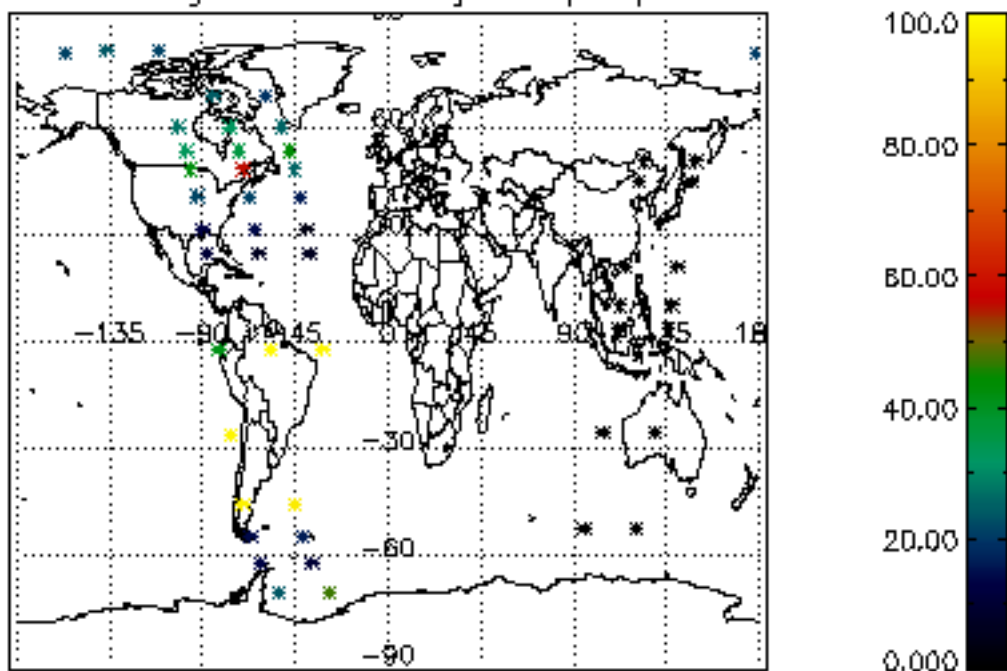




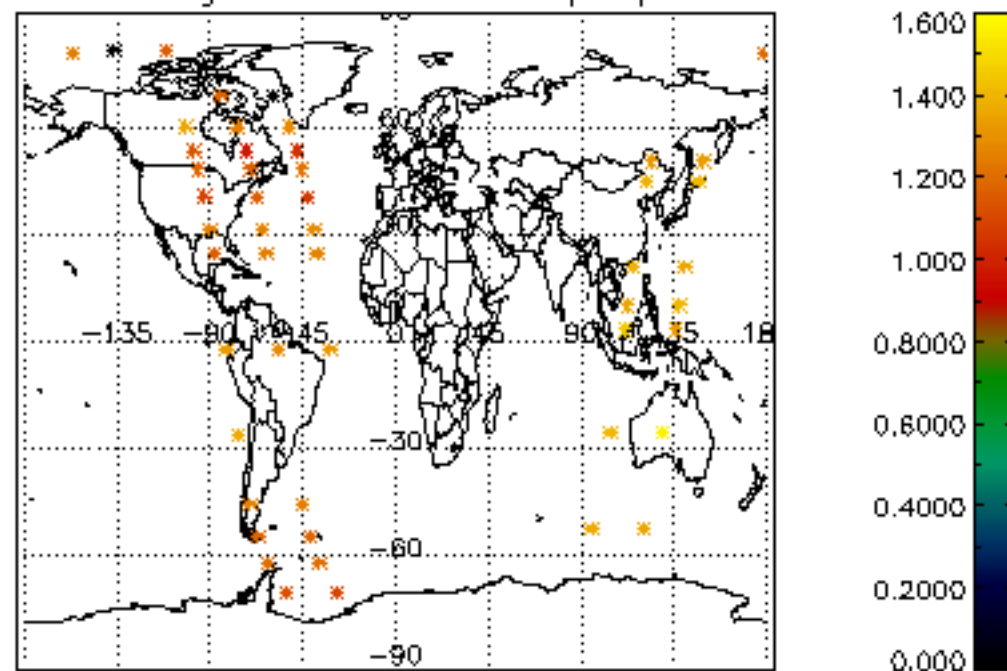




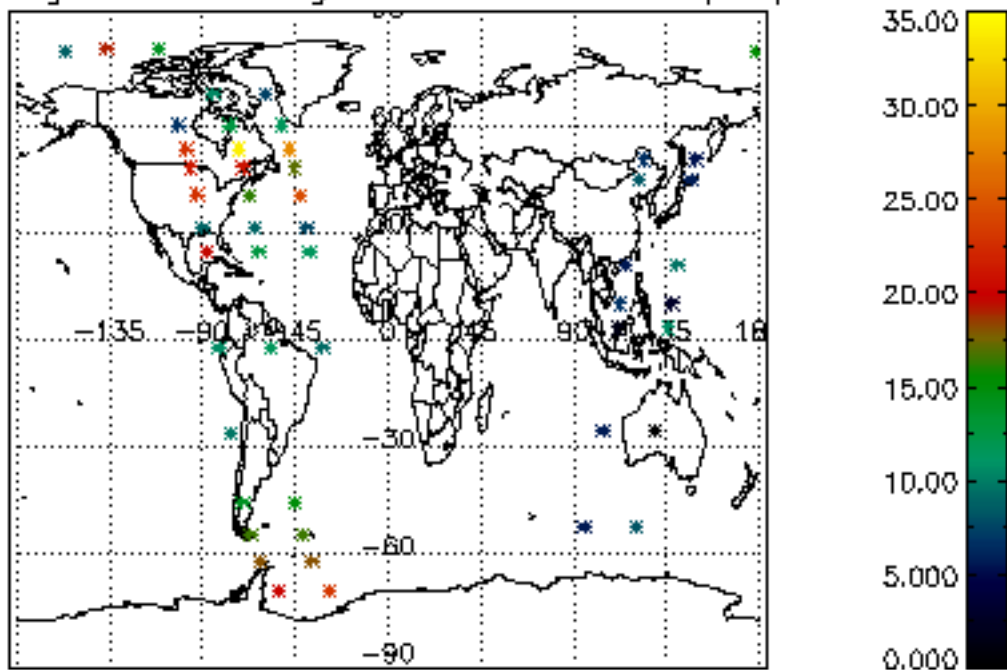
Percentage of cosmic ray hits per profile



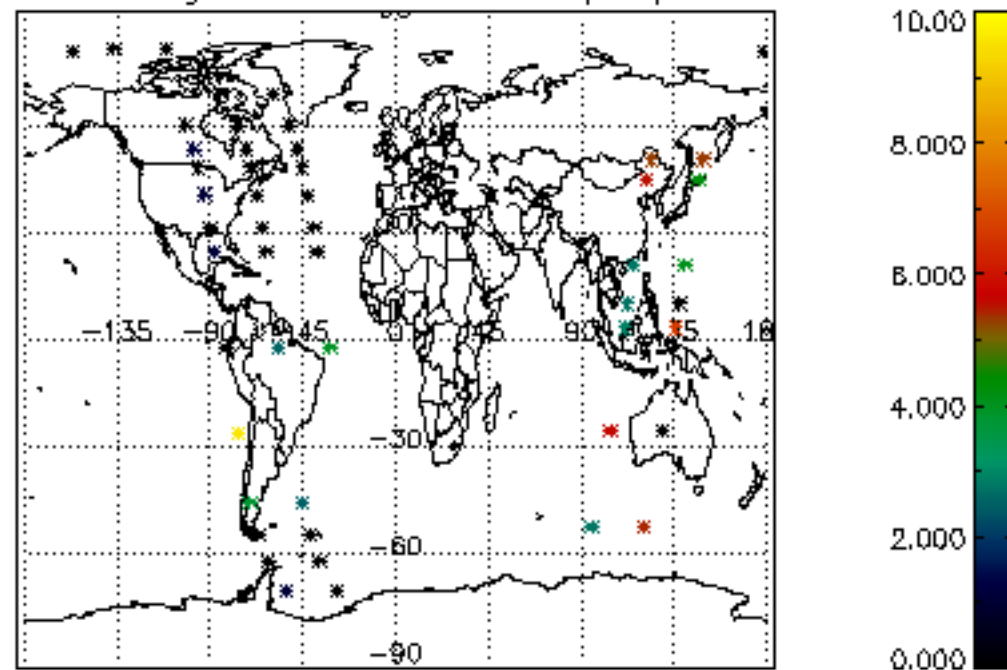
Percentage of datation errors per profile



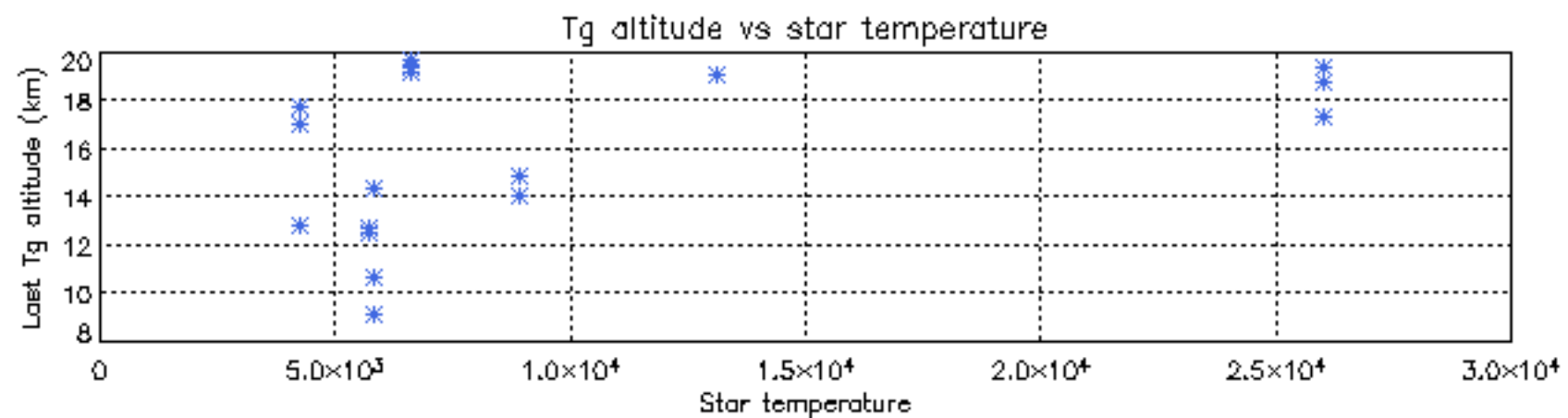
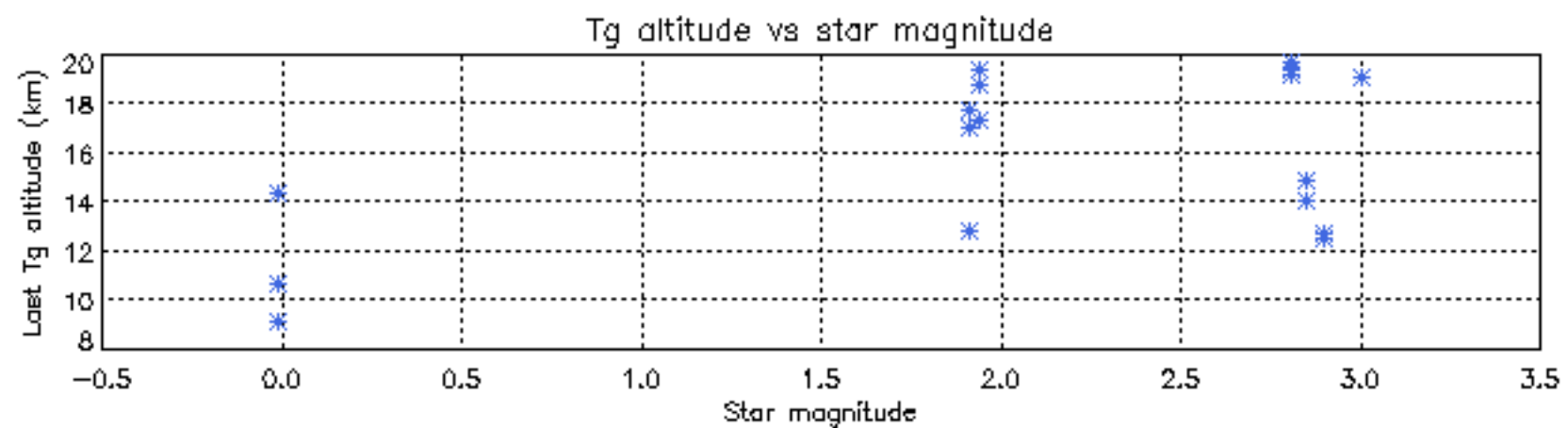
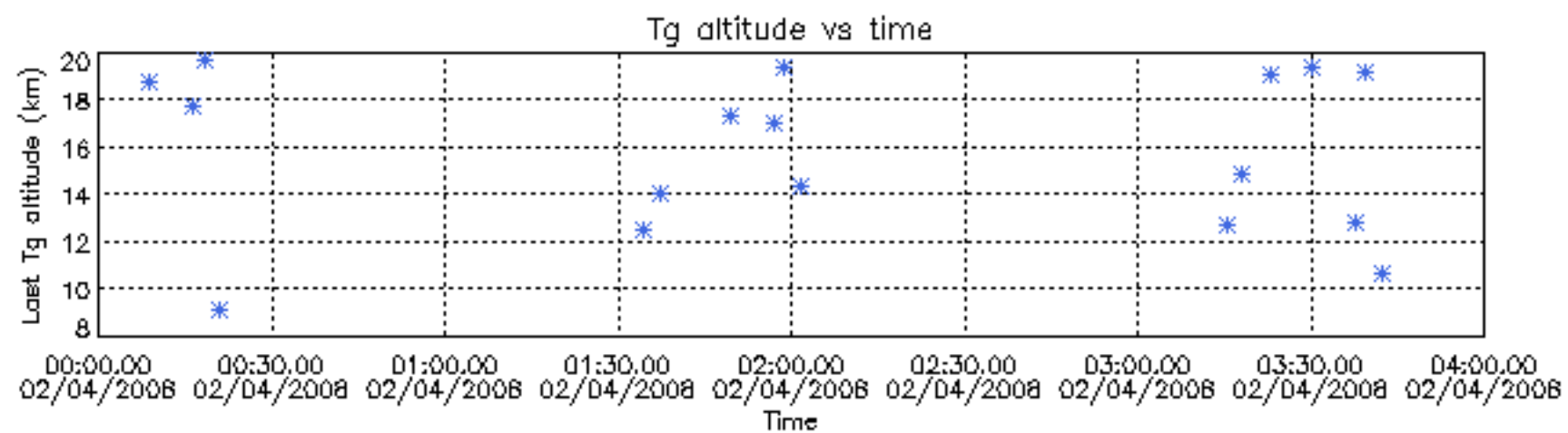
Percentage of star falling outside central band per profile



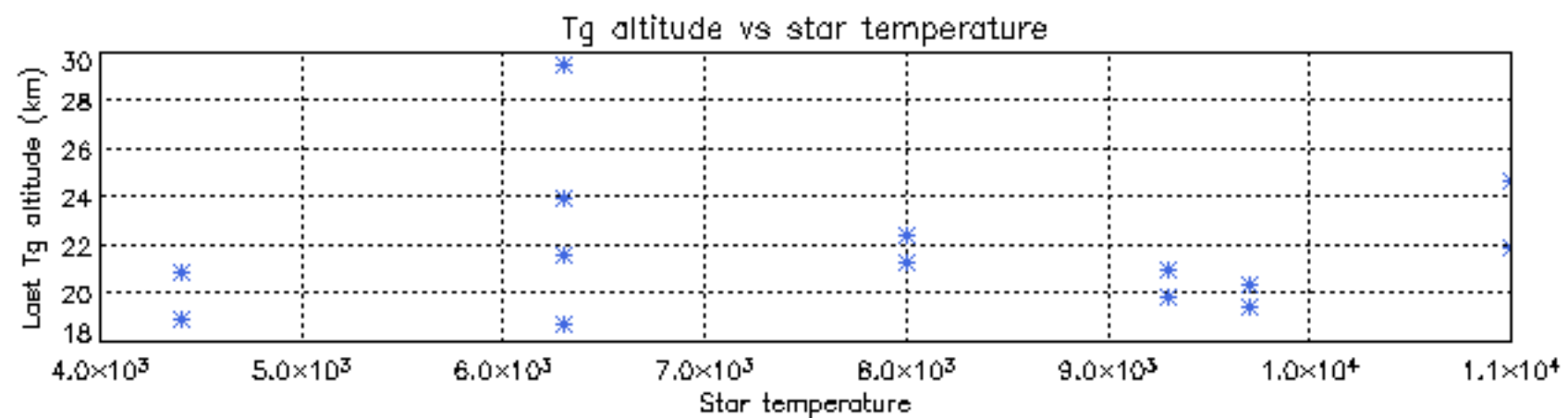
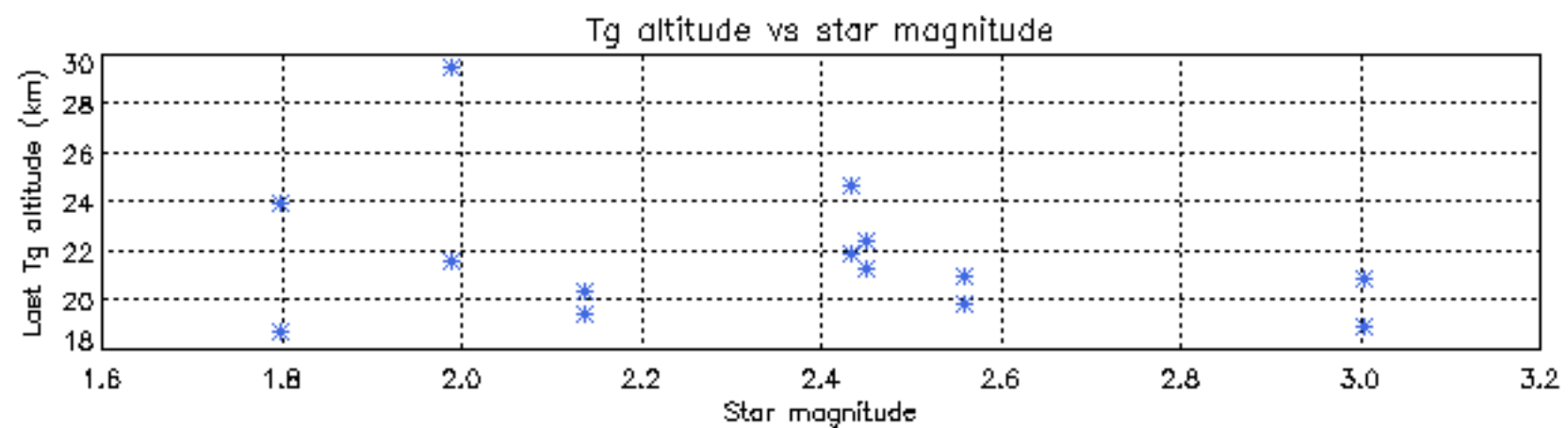
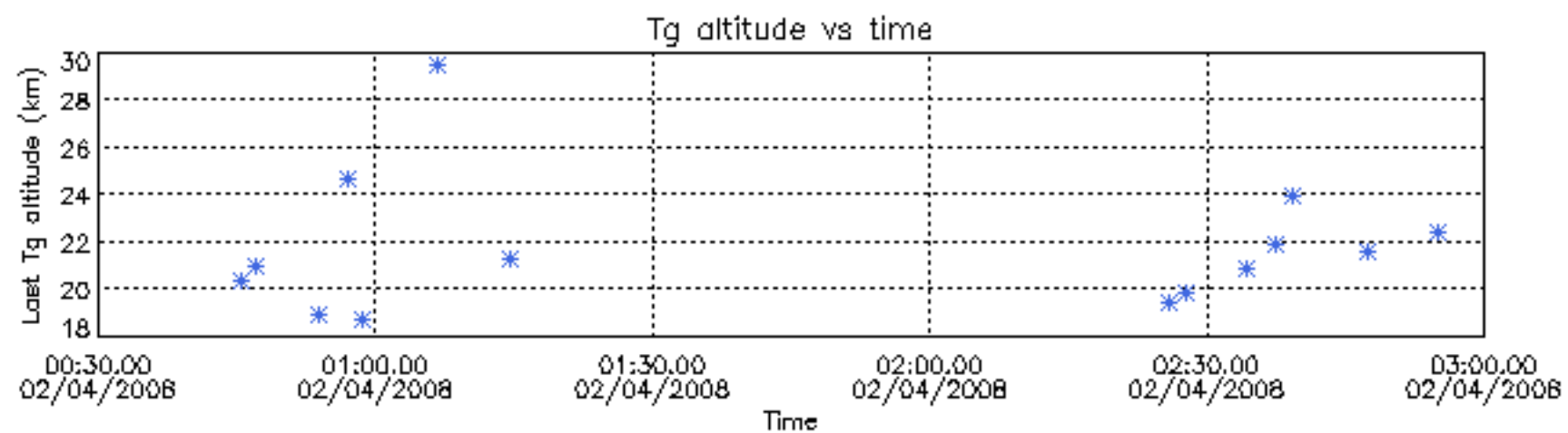
Percentage of saturation errors per profile



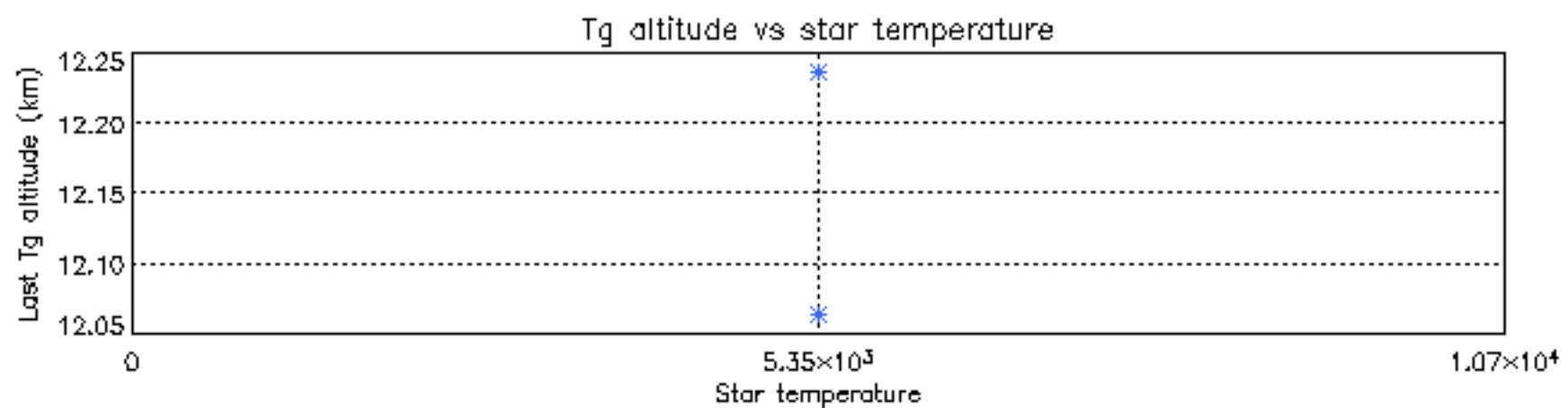
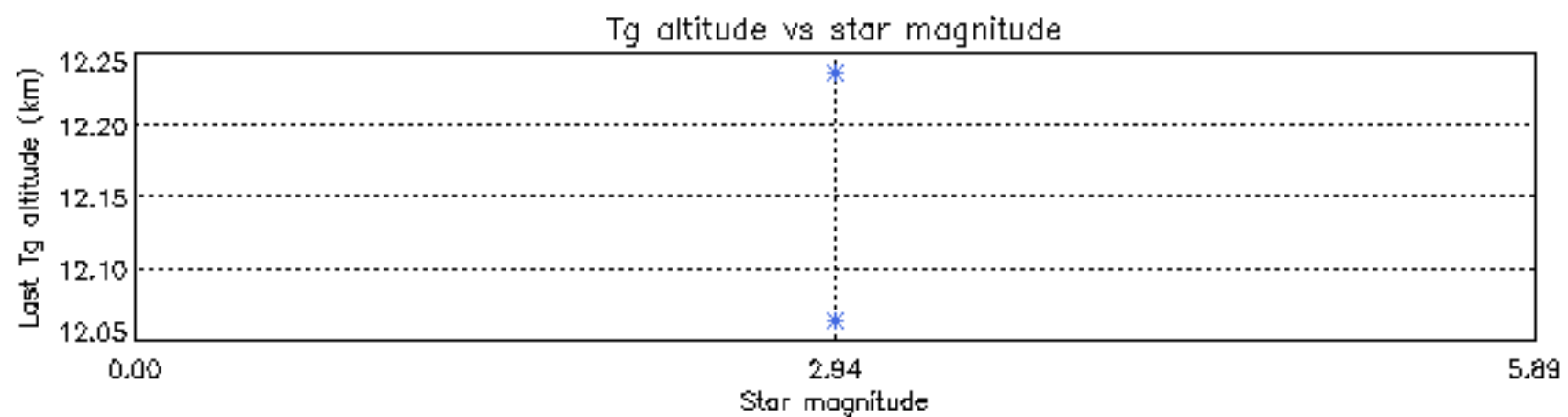
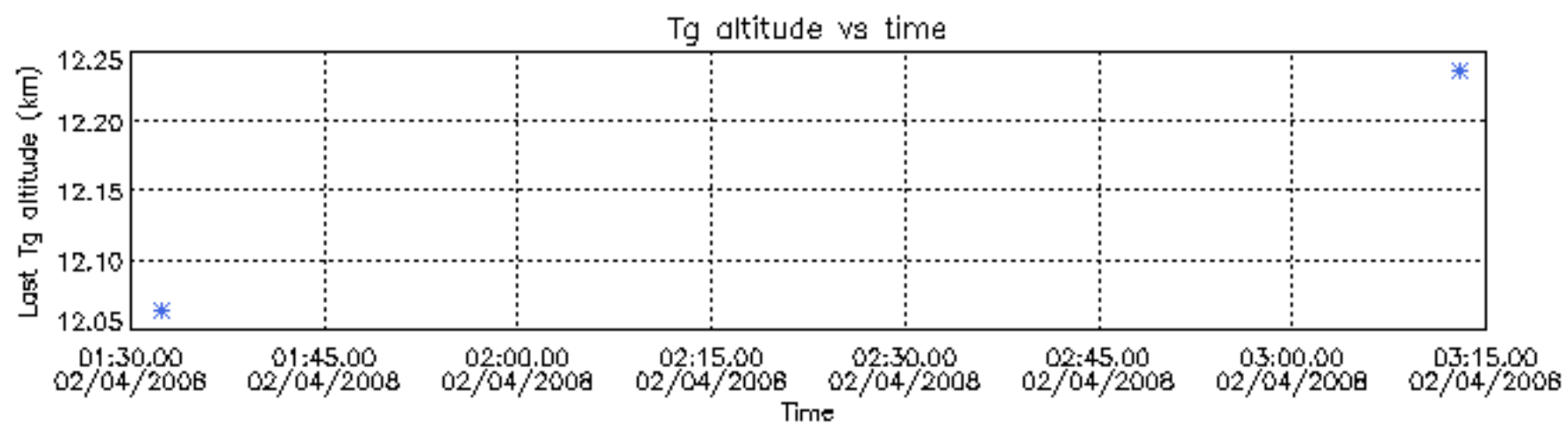
Tangent altitude at which the star is lost

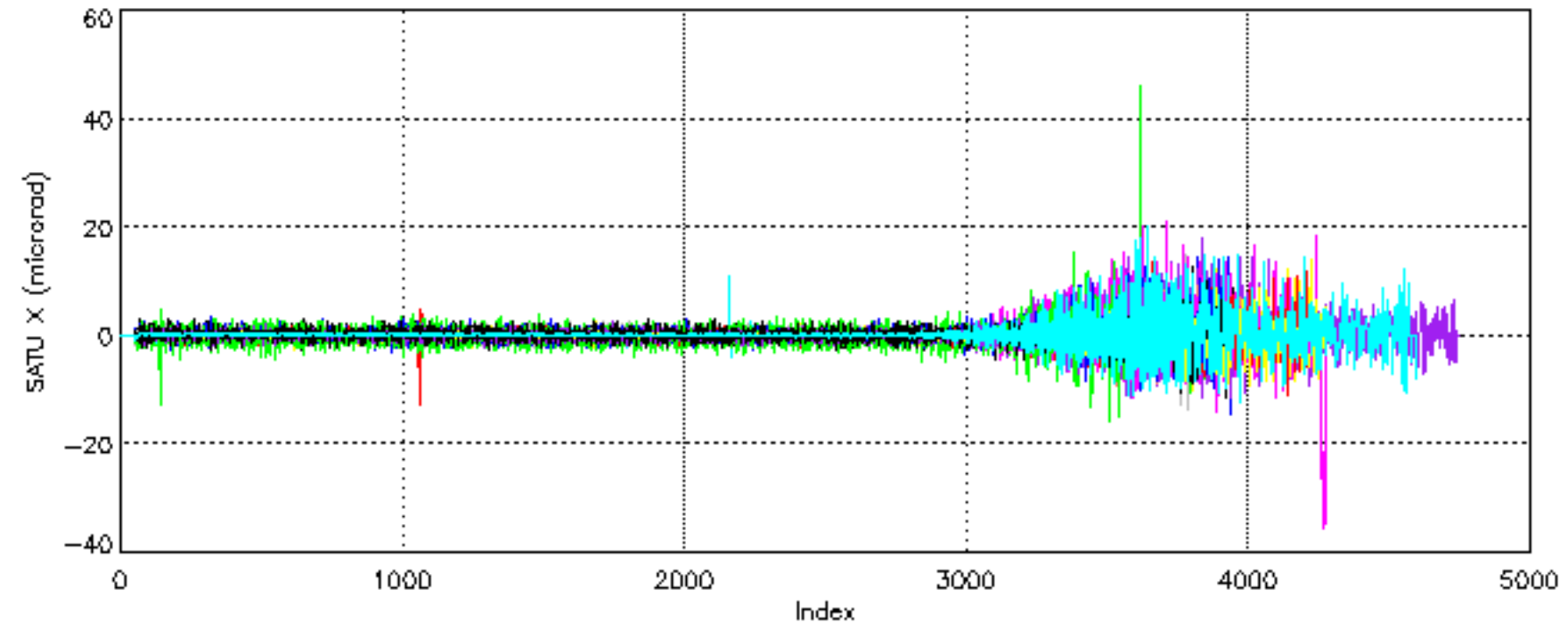


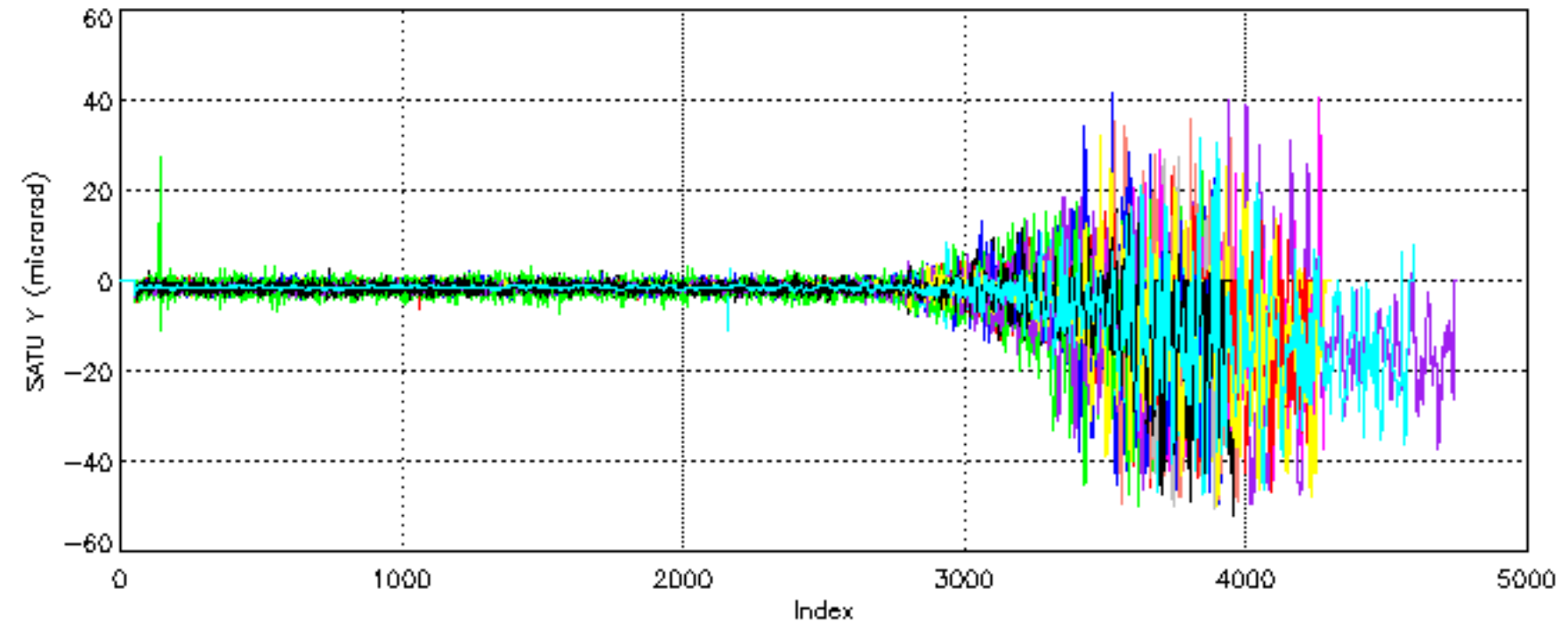
Tangent altitude at which the star is lost

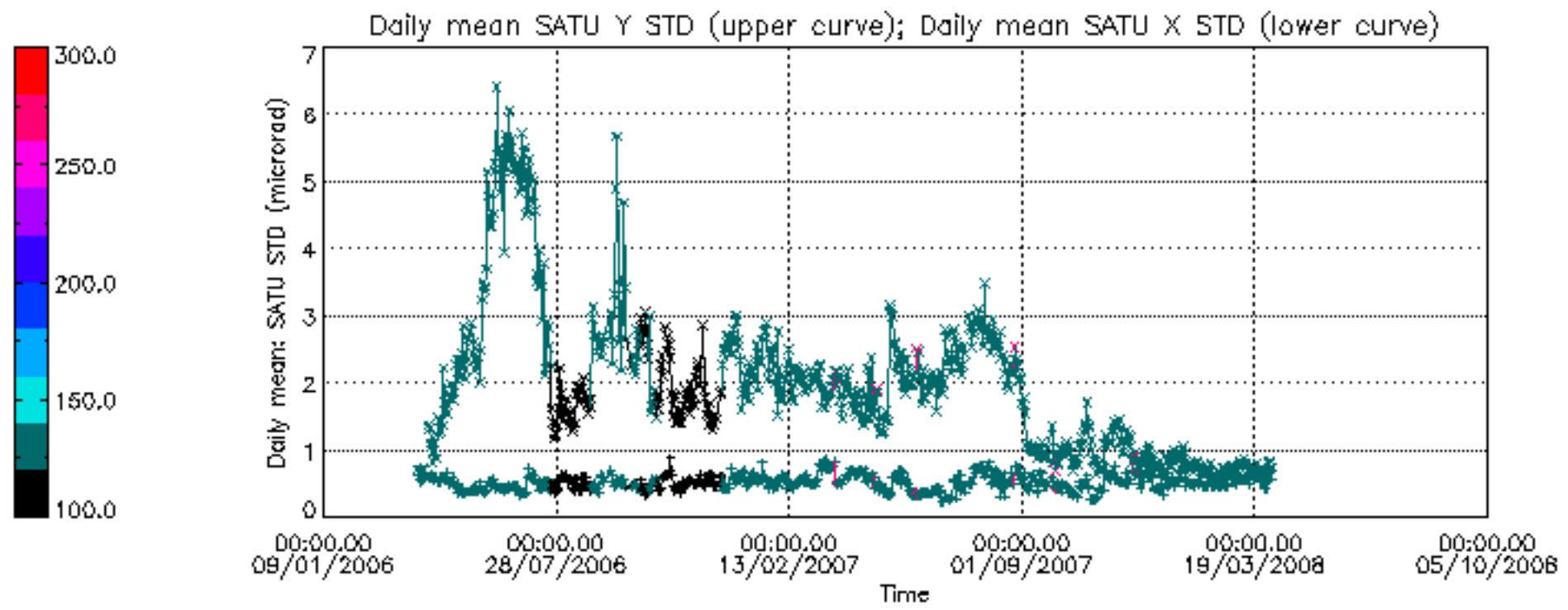


Tangent altitude at which the star is lost









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 2; 2257.5; 01-APR-2008 06:19:53; Bright; 35.5; 96; 68Del Leo ; 2.56; 9300;occ; 71; 0;31823
 3; 2666.1; 01-APR-2008 06:26:42; Bright; 35.5; 174; 52Psi UMa ; 3.00; 4400;occ; 71; 0;31823
 4; 2846.9; 01-APR-2008 06:29:43; Bright; 36.0; 87; 64Gam UMa ; 2.43; 11000;occ; 72; 0;31823
 5; 2957.8; 01-APR-2008 06:31:33; Bright; 37.0; 36; 50Alp UMa ; 1.80; 6300;occ; 74; 0;31823
 6; 3440.4; 01-APR-2008 06:39:36; Bright; 36.5; 49; 1Alp UMi ; 1.99; 6300;occ; 73; 0;31823
 7; 3901.8; 01-APR-2008 06:47:17; Bright; 37.0; 89; 5Alp Cep ; 2.45; 8000;occ; 74; 0;31823
 8; 4829.7; 01-APR-2008 07:02:45; Dark ; 44.0; 61; 8Eps Peg ; 2.10; 3900;occ; 88; 0;31823
 9; 5105.8; 01-APR-2008 07:07:21; Dark ; 39.0; 154; 22Bet Aqr ; 2.90; 5700;occ; 78; 0;31823
 10; 5259.9; 01-APR-2008 07:09:56; Dark ; 40.0; 142; 49Del Cap ; 2.85; 8900;occ; 80; 0;31823
 11; 5595.9; 01-APR-2008 07:15:32; Dark ; 37.0; 172; Gam Gru ; 3.00; 13100;occ; 74; 0;31823
 12; 5868.5; 01-APR-2008 07:20:04; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;31823
 13; 5994.8; 01-APR-2008 07:22:10; Dark ; 38.5; 45; Alp Pav ; 1.94; 26000;occ; 77; 0;31823
 14; 6445.8; 01-APR-2008 07:29:41; Dark ; 38.5; 43; Alp TrA ; 1.91; 4250;occ; 77; 0;31823
 15; 6557.4; 01-APR-2008 07:31:33; Dark ; 40.0; 134; Bet TrA ; 2.81; 6600;occ; 80; 0;31823
 16; 6715.3; 01-APR-2008 07:34:11; Dark ; 44.5; 4; Alp1Cen ;-0.01; 5800;occ; 89; 0;31823
 17; 6850.2; 01-APR-2008 07:36:26; Dark ; 40.5; 12; Alp1Cru ; 0.77; 30000;occ; 81; 0;31823
 18; 6937.4; 01-APR-2008 07:37:53; Dark ; 41.5; 26; Gam Cru ; 1.62; 2900;occ; 83; 0;31823
 19; 7054.0; 01-APR-2008 07:39:50; Dark ; 39.0; 64; Gam Cen ; 2.20; 10600;occ; 78; 0;31823
 20; 7208.5; 01-APR-2008 07:42:24; Dark ; 43.5; 123; Tot Cen ; 2.75; 10200;occ; 87; 0;31823
 21; 7498.5; 01-APR-2008 07:47:14; Dark ; 45.5; 106; 9Bet Crv ; 2.65; 5600;occ; 91; 0;31823
 22; 7615.9; 01-APR-2008 07:49:12; Dark ; 39.0; 100; 4Gam Crv ; 2.58; 13100;occ; 78; 0;31823

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1; 2160.2; 01-APR-2008 07:58:52; Bright; 37.5; 62; 94Bet Leo ; 2.14; 9700;occ; 75; 0;31824
 2; 2257.4; 01-APR-2008 08:00:29; Bright; 35.0; 96; 68Del Leo ; 2.56; 9300;occ; 70; 0;31824
 3; 2666.0; 01-APR-2008 08:07:18; Bright; 35.0; 174; 52Psi UMa ; 3.00; 4400;occ; 70; 0;31824
 4; 2846.6; 01-APR-2008 08:10:18; Bright; 37.0; 87; 64Gam UMa ; 2.43; 11000;occ; 74; 0;31824
 5; 2957.7; 01-APR-2008 08:12:09; Bright; 35.0; 36; 50Alp UMa ; 1.80; 6300;occ; 70; 0;31824
 6; 3440.4; 01-APR-2008 08:20:12; Bright; 34.0; 49; 1Alp UMi ; 1.99; 6300;occ; 68; 0;31824
 7; 3901.9; 01-APR-2008 08:27:53; Bright; 37.5; 89; 5Alp Cep ; 2.45; 8000;occ; 75; 0;31824
 8; 4829.9; 01-APR-2008 08:43:22; Dark ; 45.5; 61; 8Eps Peg ; 2.10; 3900;occ; 91; 0;31824
 9; 5106.2; 01-APR-2008 08:47:58; Dark ; 42.5; 154; 22Bet Aqr ; 2.90; 5700;occ; 85; 0;31824
 10; 5260.2; 01-APR-2008 08:50:32; Dark ; 38.5; 142; 49Del Cap ; 2.85; 8900;occ; 77; 0;31824
 11; 5596.0; 01-APR-2008 08:56:08; Dark ; 38.5; 172; Gam Gru ; 3.00; 13100;occ; 77; 0;31824
 12; 5868.8; 01-APR-2008 09:00:40; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;31824
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 14; 6446.2; 01-APR-2008 09:10:18; Dark ; 39.0; 43; Alp TrA ; 1.91; 4250;occ; 78; 0;31824
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 20; 7208.8; 01-APR-2008 09:23:00; Dark ; 43.0; 123; Tot Cen ; 2.75; 10200;occ; 86; 0;31824
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 22; 7615.8; 01-APR-2008 09:29:47; Dark ; 42.0; 100; 4Gam Crv ; 2.58; 13100;occ; 84; 0;31824

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1; 2160.1; 01-APR-2008 09:39:28; Bright; 39.0; 62; 94Bet Leo ; 2.14; 9700;occ; 78; 0;31825
 2; 2257.4; 01-APR-2008 09:41:05; Bright; 36.0; 96; 68Del Leo ; 2.56; 9300;occ; 72; 0;31825
 3; 2666.0; 01-APR-2008 09:47:53; Bright; 36.5; 174; 52Psi UMa ; 3.00; 4400;occ; 73; 0;31825
 4; 2846.3; 01-APR-2008 09:50:54; Bright; 36.0; 87; 64Gam UMa ; 2.43; 11000;occ; 72; 0;31825
 5; 2957.7; 01-APR-2008 09:52:45; Bright; 37.0; 36; 50Alp UMa ; 1.80; 6300;occ; 74; 0;31825
 6; 3440.3; 01-APR-2008 10:00:48; Bright; 36.5; 49; 1Alp UMi ; 1.99; 6300;occ; 73; 0;31825
 7; 3901.7; 01-APR-2008 10:08:29; Bright; 35.0; 89; 5Alp Cep ; 2.45; 8000;occ; 70; 0;31825
 8; 4830.2; 01-APR-2008 10:23:58; Dark ; 45.5; 61; 8Eps Peg ; 2.10; 3900;occ; 91; 0;31825
 9; 5106.5; 01-APR-2008 10:28:34; Dark ; 42.0; 154; 22Bet Aqr ; 2.90; 5700;occ; 84; 0;31825
 10; 5260.5; 01-APR-2008 10:31:08; Dark ; 41.0; 142; 49Del Cap ; 2.85; 8900;occ; 82; 0;31825
 11; 5596.2; 01-APR-2008 10:36:44; Dark ; 37.0; 172; Gam Gru ; 3.00; 13100;occ; 74; 0;31825
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 13; 5995.5; 01-APR-2008 10:43:23; Dark ; 37.0; 45; Alp Pav ; 1.94; 26000;occ; 74; 0;31825
 14; 6446.5; 01-APR-2008 10:50:54; Dark ; 37.5; 43; Alp TrA ; 1.91; 4250;occ; 75; 0;31825
 15; 6558.3; 01-APR-2008 10:52:46; Dark ; 37.5; 134; Bet TrA ; 2.81; 6600;occ; 75; 0;31825
 16; 6716.2; 01-APR-2008 10:55:24; Dark ; 52.0; 4; Alp1Cen ;-0.01; 5800;occ; 104; 0;31825
 17; 6850.5; 01-APR-2008 10:57:38; Dark ; 40.5; 12; Alp1Cru ; 0.77; 30000;occ; 81; 0;31825
 18; 6937.8; 01-APR-2008 10:59:05; Dark ; 41.0; 26; Gam Cru ; 1.62; 2900;occ; 82; 0;31825
 19; 7054.5; 01-APR-2008 11:01:02; Dark ; 38.0; 64; Gam Cen ; 2.20; 10600;occ; 76; 0;31825
 20; 7209.3; 01-APR-2008 11:03:37; Dark ; 41.5; 123; Tot Cen ; 2.75; 10200;occ; 83; 0;31825
 21; 7498.7; 01-APR-2008 11:08:26; Dark ; 47.0; 106; 9Bet Crv ; 2.65; 5600;occ; 94; 0;31825


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22; 7615.9; 01-APR-2008 11:10:23; Dark ; 42.5; 100; 4Gam Crv ; 2.58; 13100;occ; 85; 0;31825
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2; 2257.3; 01-APR-2008 11:21:41; Bright; 36.0; 96; 68Del Leo ; 2.56; 9300;occ; 72; 0;31826
3; 2665.9; 01-APR-2008 11:28:29; Bright; 37.5; 174; 52Psi UMa ; 3.00; 4400;occ; 75; 0;31826
4; 2846.0; 01-APR-2008 11:31:29; Bright; 37.0; 87; 64Gam UMa ; 2.43; 11000;occ; 74; 0;31826
5; 2957.6; 01-APR-2008 11:33:21; Bright; 37.5; 36; 50Alp UMa ; 1.80; 6300;occ; 75; 0;31826
6; 3440.5; 01-APR-2008 11:41:24; Bright; 32.5; 49; 1Alp UMi ; 1.99; 6300;occ; 65; 0;31826
7; 3901.7; 01-APR-2008 11:49:05; Bright; 54.0; 89; 5Alp Cep ; 2.45; 8000;occ; 108; 0;31826
8; 4830.4; 01-APR-2008 12:04:34; Dark ; 44.5; 61; 8Eps Peg ; 2.10; 3900;occ; 89; 0;31826
9; 5106.9; 01-APR-2008 12:09:10; Dark ; 43.0; 154; 22Bet Aqr ; 2.90; 5700;occ; 86; 0;31826
10; 5260.8; 01-APR-2008 12:11:44; Dark ; 38.5; 142; 49Del Cap ; 2.85; 8900;occ; 77; 0;31826
11; 5596.6; 01-APR-2008 12:17:20; Dark ; 35.5; 172; Gam Gru ; 3.00; 13100;occ; 71; 0;31826
12; 5869.6; 01-APR-2008 12:21:53; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;31826
13; 6447.0; 01-APR-2008 12:31:30; Dark ; 40.5; 43; Alp TrA ; 1.91; 4250;occ; 81; 0;31826
14; 6558.7; 01-APR-2008 12:33:22; Dark ; 39.5; 134; Bet TrA ; 2.81; 6600;occ; 79; 0;31826
15; 6716.6; 01-APR-2008 12:36:00; Dark ; 42.0; 4; Alp1Cen ;-0.01; 5800;occ; 84; 0;31826
16; 6850.8; 01-APR-2008 12:38:14; Dark ; 37.5; 12; Alp1Cru ; 0.77; 30000;occ; 75; 0;31826
17; 6938.1; 01-APR-2008 12:39:41; Dark ; 48.0; 26; Gam Cru ; 1.62; 2900;occ; 96; 0;31826
18; 7054.8; 01-APR-2008 12:41:38; Dark ; 36.0; 64; Gam Cen ; 2.20; 10600;occ; 72; 0;31826
19; 7209.5; 01-APR-2008 12:44:13; Dark ; 42.0; 123; Tot Cen ; 2.75; 10200;occ; 84; 0;31826
20; 7498.9; 01-APR-2008 12:49:02; Dark ; 42.5; 106; 9Bet Crv ; 2.65; 5600;occ; 85; 0;31826
21; 7616.1; 01-APR-2008 12:50:59; Dark ; 40.5; 100; 4Gam Crv ; 2.58; 13100;occ; 81; 0;31826
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2; 2159.9; 01-APR-2008 13:00:39; Bright; 44.0; 62; 94Bet Leo ; 2.14; 9700;occ; 88; 0;31827
3; 2257.3; 01-APR-2008 13:02:17; Bright; 35.0; 96; 68Del Leo ; 2.56; 9300;occ; 70; 0;31827
4; 2665.9; 01-APR-2008 13:09:05; Bright; 36.0; 174; 52Psi UMa ; 3.00; 4400;occ; 72; 0;31827
5; 2845.9; 01-APR-2008 13:12:05; Bright; 36.5; 87; 64Gam UMa ; 2.43; 11000;occ; 73; 0;31827
6; 2957.7; 01-APR-2008 13:13:57; Bright; 37.5; 36; 50Alp UMa ; 1.80; 6300;occ; 75; 0;31827
7; 3440.4; 01-APR-2008 13:22:00; Bright; 32.5; 49; 1Alp UMi ; 1.99; 6300;occ; 65; 0;31827
8; 3901.6; 01-APR-2008 13:29:41; Bright; 36.5; 89; 5Alp Cep ; 2.45; 8000;occ; 73; 0;31827
9; 4830.8; 01-APR-2008 13:45:10; Dark ; 46.5; 61; 8Eps Peg ; 2.10; 3900;occ; 93; 0;31827
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12; 5596.8; 01-APR-2008 13:57:56; Dark ; 37.0; 172; Gam Gru ; 3.00; 13100;occ; 74; 0;31827
13; 5870.0; 01-APR-2008 14:02:29; Dark ; 59.0; 0; ; 0.00; 0;occ; 118; 0;31827
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16; 6717.1; 01-APR-2008 14:16:36; Dark ; 42.5; 4; Alp1Cen ;-0.01; 5800;occ; 85; 0;31827
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9; 3319.7; 04-APR-2008 16:46:55; Bright; 39.5; 60; 7Bet UMi ; 2.08; 3950;occ; 79; 0;31872
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14; 5125.5; 04-APR-2008 17:17:01; Dark ; 43.0; 154; 22Bet Aqr ; 2.90; 5700;occ; 86; 0;31872
15; 5277.1; 04-APR-2008 17:19:33; Dark ; 40.0; 142; 49Del Cap ; 2.85; 8900;occ; 80; 0;31872
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22; 6860.9; 04-APR-2008 17:45:57; Dark ; 37.5; 12; Alp1Cru ; 0.77; 30000;occ; 75; 0;31872
23; 6949.9; 04-APR-2008 17:47:26; Dark ; 48.0; 26; Gam Cru ; 1.62; 2900;occ; 96; 0;31872
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5; 2156.6; 04-APR-2008 18:08:08; Bright; 37.0; 62; 94Bet Leo ; 2.14; 9700;occ; 74; 0;31873
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22; 6737.7; 04-APR-2008 19:24:30; Dark ; 46.5; 4; Alp1Cen ; -0.01; 5800;occ; 93; 0;31873
23; 6861.0; 04-APR-2008 19:26:33; Dark ; 44.0; 12; Alp1Cru ; 0.77; 30000;occ; 88; 0;31873
24; 6950.1; 04-APR-2008 19:28:02; Dark ; 44.5; 26; Gam Cru ; 1.62; 2900;occ; 89; 0;31873
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4; 1586.8; 04-APR-2008 19:39:15; Dark ; 42.0; 100; 4Gam Crv ; 2.58; 13100;occ; 84; 0;31874
5; 2156.5; 04-APR-2008 19:48:44; Bright; 37.0; 62; 94Bet Leo ; 2.14; 9700;occ; 74; 0;31874
6; 2258.6; 04-APR-2008 19:50:26; Bright; 34.5; 96; 68Del Leo ; 2.56; 9300;occ; 69; 0;31874
7; 2664.3; 04-APR-2008 19:57:12; Bright; 34.0; 174; 52Psi UMa ; 3.00; 4400;occ; 68; 0;31874
8; 2836.4; 04-APR-2008 20:00:04; Bright; 54.0; 87; 64Gam UMa ; 2.43; 11000;occ; 108; 0;31874
9; 2955.7; 04-APR-2008 20:02:03; Bright; 37.0; 36; 50Alp UMa ; 1.80; 6300;occ; 74; 0;31874
10; 3318.8; 04-APR-2008 20:08:07; Bright; 36.5; 60; 7Bet UMi ; 2.08; 3950;occ; 73; 0;31874
11; 3440.9; 04-APR-2008 20:10:09; Bright; 36.5; 49; 1Alp UMi ; 1.99; 6300;occ; 73; 0;31874
12; 3898.1; 04-APR-2008 20:17:46; Bright; 37.5; 89; 5Alp Cep ; 2.45; 8000;occ; 75; 0;31874
13; 4844.5; 04-APR-2008 20:33:32; Dark ; 46.0; 61; 8Eps Peg ; 2.10; 3900;occ; 92; 0;31874

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 16; 5277.7; 04-APR-2008 20:40:46; Dark ; 41.0; 142; 49Del Cap ; 2.85; 8900;occ; 82; 0;31874
 17; 5609.5; 04-APR-2008 20:46:17; Dark ; 38.0; 172; Gam Gru ; 3.00; 13100;occ; 76; 0;31874
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 19; 6015.5; 04-APR-2008 20:53:03; Dark ; 38.0; 45; Alp Pav ; 1.94; 26000;occ; 76; 0;31874
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 21; 6583.0; 04-APR-2008 21:02:31; Dark ; 38.5; 134; Bet TrA ; 2.81; 6600;occ; 77; 0;31874
 22; 6738.1; 04-APR-2008 21:05:06; Dark ; 47.5; 4; Alp1Cen ; -0.01; 5800;occ; 95; 0;31874
 23; 6861.1; 04-APR-2008 21:07:09; Dark ; 38.0; 12; Alp1Cru ; 0.77; 30000;occ; 76; 0;31874
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 4; 1472.1; 04-APR-2008 21:17:56; Dark ; 41.5; 106; 9Bet Crv ; 2.65; 5600;occ; 83; 0;31875
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 7; 2258.7; 04-APR-2008 21:31:02; Bright; 34.5; 96; 68Del Leo ; 2.56; 9300;occ; 69; 0;31875
 8; 2664.2; 04-APR-2008 21:37:48; Bright; 34.5; 174; 52Psi UMa ; 3.00; 4400;occ; 69; 0;31875
 9; 2836.1; 04-APR-2008 21:40:40; Bright; 54.0; 87; 64Gam UMa ; 2.43; 11000;occ; 108; 0;31875
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 13; 3898.0; 04-APR-2008 21:58:22; Bright; 35.5; 89; 5Alp Cep ; 2.45; 8000;occ; 71; 0;31875
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 16; 5126.5; 04-APR-2008 22:18:50; Dark ; 43.5; 154; 22Bet Aqr ; 2.90; 5700;occ; 87; 0;31875
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 19; 5889.9; 04-APR-2008 22:31:34; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;31875
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 22; 6583.5; 04-APR-2008 22:43:07; Dark ; 39.5; 134; Bet TrA ; 2.81; 6600;occ; 79; 0;31875
 23; 6738.4; 04-APR-2008 22:45:42; Dark ; 52.0; 4; Alp1Cen ; -0.01; 5800;occ; 104; 0;31875
 24; 6861.3; 04-APR-2008 22:47:45; Dark ; 43.5; 12; Alp1Cru ; 0.77; 30000;occ; 87; 0;31875
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 3; 2156.3; 05-APR-2008 00:50:32; Bright; 37.0; 62; 94Bet Leo ; 2.14; 9700;occ; 74; 0;31877
 4; 2258.6; 05-APR-2008 00:52:14; Bright; 35.0; 96; 68Del Leo ; 2.56; 9300;occ; 70; 0;31877
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 14; 5278.9; 05-APR-2008 01:42:34; Dark ; 38.5; 142; 49Del Cap ; 2.85; 8900;occ; 77; 0;31877
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 21; 6950.9; 05-APR-2008 02:10:26; Dark ; 52.0; 26; Gam Cru ; 1.62; 2900;occ; 104; 0;31877
 22; 7069.6; 05-APR-2008 02:12:25; Dark ; 40.0; 64; Gam Cen ; 2.20; 10600;occ; 80; 0;31877
 23; 7227.9; 05-APR-2008 02:15:03; Dark ; 42.0; 123; Tot Cen ; 2.75; 10200;occ; 84; 0;31877
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4; 826.3; 05-APR-2008 05:30:10; Dark ; 48.0; 12; Alp1Cru ; 0.77; 30000;occ; 96; 0;31880
5; 915.6; 05-APR-2008 05:31:39; Dark ; 50.5; 26; Gam Cru ; 1.62; 2900;occ; 101; 0;31880
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8; 1587.7; 05-APR-2008 05:42:51; Dark ; 41.0; 100; 4Gam Crv ; 2.58; 13100;occ; 82; 0;31880
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3; 2664.3; 05-APR-2008 06:00:47; Bright; 36.0; 174; 52Psi UMa ; 3.00; 4400;occ; 72; 0;31880
4; 2835.4; 05-APR-2008 06:03:39; Bright; 54.0; 87; 64Gam UMa ; 2.43; 11000;occ; 108; 0;31880
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8; 3935.6; 05-APR-2008 06:21:59; Bright; 32.5; 68; 18Alp Cas ; 2.22; 4500;occ; 65; 0;31880
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13; 4998.1; 05-APR-2008 20:04:29; Dark ; 42.0; 162; 34Alp Aqr ; 2.94; 5350;occ; 84; 0;31888
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23; 6744.6; 05-APR-2008 22:14:11; Dark ; 51.5; 4; Alp1Cen ; -0.01; 5800;occ; 103; 0;31889
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13; 5133.8; 06-APR-2008 01:08:32; Dark ; 42.5; 154; 22Bet Aqr ; 2.90; 5700;occ; 85; 0;31891
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 18; 6475.6; 06-APR-2008 06:32:42; Dark ; 44.5; 43; Alp TrA ; 1.91; 4250;occ; 89; 0;31894
 19; 6593.1; 06-APR-2008 06:34:39; Dark ; 39.0; 134; Bet TrA ; 2.81; 6600;occ; 78; 0;31894
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 21; 6865.4; 06-APR-2008 06:39:12; Dark ; 38.0; 12; Alp1Cru ; 0.77; 30000;occ; 76; 0;31894
 22; 6955.2; 06-APR-2008 06:40:41; Dark ; 42.5; 26; Gam Cru ; 1.62; 2900;occ; 85; 0;31894
 23; 7074.6; 06-APR-2008 06:42:41; Dark ; 40.0; 64; Gam Cen ; 2.20; 10600;occ; 80; 0;31894
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 3; 2664.3; 06-APR-2008 07:09:46; Bright; 35.5; 174; 52Psi UMa ; 3.00; 4400;occ; 71; 0;31895
 4; 2832.8; 06-APR-2008 07:12:35; Bright; 51.0; 87; 64Gam UMa ; 2.43; 11000;occ; 102; 0;31895
 5; 2955.6; 06-APR-2008 07:14:38; Bright; 34.5; 36; 50Alp UMa ; 1.80; 6300;occ; 69; 0;31895
 6; 3441.3; 06-APR-2008 07:22:43; Bright; 35.0; 49; 1Alp UMi ; 1.99; 6300;occ; 70; 0;31895
 7; 3860.0; 06-APR-2008 07:29:42; Bright; 48.0; 76; 27Gam Cas ; 2.30; 30000;occ; 96; 0;31895
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 11; 5135.5; 06-APR-2008 07:50:58; Dark ; 45.0; 154; 22Bet Aqr ; 2.90; 5700;occ; 90; 0;31895
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 13; 5441.5; 06-APR-2008 07:56:04; Dark ; 40.0; 18; 24Alp PsA ; 1.17; 9700;occ; 80; 0;31895
 14; 5615.9; 06-APR-2008 07:58:58; Dark ; 36.0; 172; Gam Gru ; 3.00; 13100;occ; 72; 0;31895
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 16; 5898.9; 06-APR-2008 08:03:41; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;31895
 17; 6024.7; 06-APR-2008 08:05:47; Dark ; 38.5; 45; Alp Pav ; 1.94; 26000;occ; 77; 0;31895
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 19; 6593.6; 06-APR-2008 08:15:16; Dark ; 39.0; 134; Bet TrA ; 2.81; 6600;occ; 78; 0;31895
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 22; 6955.3; 06-APR-2008 08:21:17; Dark ; 41.5; 26; Gam Cru ; 1.62; 2900;occ; 83; 0;31895
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 25; 7625.8; 06-APR-2008 08:32:28; Dark ; 39.0; 100; 4Gam Crv ; 2.58; 13100;occ; 78; 0;31895

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 2; 2260.0; 06-APR-2008 08:43:38; Bright; 34.5; 96; 68Del Leo ; 2.56; 9300;occ; 69; 0;31896
 3; 2664.2; 06-APR-2008 08:50:22; Bright; 35.5; 174; 52Psi UMa ; 3.00; 4400;occ; 71; 0;31896

4; 2832.7; 06-APR-2008 08:53:11; Bright; 36.5; 87; 64Gam UMa ; 2.43; 11000;occ; 73; 0;31896
5; 2955.5; 06-APR-2008 08:55:14; Bright; 36.5; 36; 50Alp UMa ; 1.80; 6300;occ; 73; 0;31896
6; 3441.2; 06-APR-2008 09:03:19; Bright; 35.0; 49; 1Alp UMi ; 1.99; 6300;occ; 70; 0;31896
7; 3860.1; 06-APR-2008 09:10:18; Bright; 35.5; 76; 27Gam Cas ; 2.30; 30000;occ; 71; 0;31896
8; 3939.6; 06-APR-2008 09:11:38; Bright; 36.0; 68; 18Alp Cas ; 2.22; 4500;occ; 72; 0;31896
9; 4851.6; 06-APR-2008 09:26:50; Dark ; 44.5; 61; 8Eps Peg ; 2.10; 3900;occ; 89; 0;31896
10; 5000.4; 06-APR-2008 09:29:18; Dark ; 42.0; 162; 34Alp Aqr ; 2.94; 5350;occ; 84; 0;31896
11; 5136.0; 06-APR-2008 09:31:34; Dark ; 46.0; 154; 22Bet Aqr ; 2.90; 5700;occ; 92; 0;31896
12; 5286.4; 06-APR-2008 09:34:04; Dark ; 40.5; 142; 49Del Cap ; 2.85; 8900;occ; 81; 0;31896
13; 5441.4; 06-APR-2008 09:36:39; Dark ; 42.0; 18; 24Alp PsA ; 1.17; 9700;occ; 84; 0;31896
14; 5616.2; 06-APR-2008 09:39:34; Dark ; 37.0; 172; Gam Gru ; 3.00; 13100;occ; 74; 0;31896
15; 5754.3; 06-APR-2008 09:41:52; Dark ; 38.0; 31; Alp Gru ; 1.73; 15200;occ; 76; 0;31896
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19; 6594.1; 06-APR-2008 09:55:52; Dark ; 39.5; 134; Bet TrA ; 2.81; 6600;occ; 79; 0;31896
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22; 6955.5; 06-APR-2008 10:01:53; Dark ; 43.5; 26; Gam Cru ; 1.62; 2900;occ; 87; 0;31896
23; 7075.1; 06-APR-2008 10:03:53; Dark ; 37.0; 64; Gam Cen ; 2.20; 10600;occ; 74; 0;31896
24; 7512.2; 06-APR-2008 10:11:10; Dark ; 43.5; 106; 9Bet Crv ; 2.65; 5600;occ; 87; 0;31896
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3; 2664.3; 06-APR-2008 10:30:58; Bright; 36.0; 174; 52Psi UMa ; 3.00; 4400;occ; 72; 0;31897
4; 2832.6; 06-APR-2008 10:33:47; Bright; 37.0; 87; 64Gam UMa ; 2.43; 11000;occ; 74; 0;31897
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6; 3441.2; 06-APR-2008 10:43:55; Bright; 35.0; 49; 1Alp UMi ; 1.99; 6300;occ; 70; 0;31897
7; 3860.3; 06-APR-2008 10:50:54; Bright; 35.0; 76; 27Gam Cas ; 2.30; 30000;occ; 70; 0;31897
8; 3939.8; 06-APR-2008 10:52:14; Bright; 32.5; 68; 18Alp Cas ; 2.22; 4500;occ; 65; 0;31897
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11; 5136.4; 06-APR-2008 11:12:10; Dark ; 45.5; 154; 22Bet Aqr ; 2.90; 5700;occ; 91; 0;31897
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13; 5441.5; 06-APR-2008 11:17:15; Dark ; 42.5; 18; 24Alp PsA ; 1.17; 9700;occ; 85; 0;31897
14; 5616.5; 06-APR-2008 11:20:10; Dark ; 38.0; 172; Gam Gru ; 3.00; 13100;occ; 76; 0;31897
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19; 6594.5; 06-APR-2008 11:36:28; Dark ; 38.5; 134; Bet TrA ; 2.81; 6600;occ; 77; 0;31897
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22; 6955.7; 06-APR-2008 11:42:30; Dark ; 43.0; 26; Gam Cru ; 1.62; 2900;occ; 86; 0;31897
23; 7075.4; 06-APR-2008 11:44:29; Dark ; 40.5; 64; Gam Cen ; 2.20; 10600;occ; 81; 0;31897
24; 7512.3; 06-APR-2008 11:51:46; Dark ; 43.0; 106; 9Bet Crv ; 2.65; 5600;occ; 86; 0;31897
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3; 2260.0; 06-APR-2008 12:04:50; Bright; 34.5; 96; 68Del Leo ; 2.56; 9300;occ; 69; 0;31898
4; 2664.3; 06-APR-2008 12:11:34; Bright; 36.5; 174; 52Psi UMa ; 3.00; 4400;occ; 73; 0;31898
5; 2832.4; 06-APR-2008 12:14:22; Bright; 36.0; 87; 64Gam UMa ; 2.43; 11000;occ; 72; 0;31898
6; 2955.5; 06-APR-2008 12:16:25; Bright; 36.5; 36; 50Alp UMa ; 1.80; 6300;occ; 73; 0;31898
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9; 3940.1; 06-APR-2008 12:32:50; Bright; 35.0; 68; 18Alp Cas ; 2.22; 4500;occ; 70; 0;31898
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12; 5136.8; 06-APR-2008 12:52:47; Dark ; 42.5; 154; 22Bet Aqr ; 2.90; 5700;occ; 85; 0;31898
13; 5287.2; 06-APR-2008 12:55:17; Dark ; 42.0; 142; 49Del Cap ; 2.85; 8900;occ; 84; 0;31898
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16; 5754.8; 06-APR-2008 13:03:05; Dark ; 41.5; 31; Alp Gru ; 1.73; 15200;occ; 83; 0;31898
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19; 6477.2; 06-APR-2008 13:15:07; Dark ; 39.0; 43; Alp TrA ; 1.91; 4250;occ; 78; 0;31898

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22; 6866.1; 06-APR-2008 13:21:36; Dark ; 40.5; 12; Alp1Cru ; 0.77; 30000;occ; 81; 0;31898
23; 6956.0; 06-APR-2008 13:23:06; Dark ; 43.5; 26; Gam Cru ; 1.62; 2900;occ; 87; 0;31898
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 3; 2260.1; 06-APR-2008 13:45:26; Bright; 34.0; 96; 68Del Leo ; 2.56; 9300;occ; 68; 0;31899
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13; 5137.4; 06-APR-2008 14:33:23; Dark ; 42.5; 154; 22Bet Aqr ; 2.90; 5700;occ; 85; 0;31899
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19; 6026.5; 06-APR-2008 14:48:12; Dark ; 39.0; 45; Alp Pav ; 1.94; 26000;occ; 78; 0;31899
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22; 6749.0; 06-APR-2008 15:00:15; Dark ; 47.5; 4; Alp1Cen ;-0.01; 5800;occ; 95; 0;31899
23; 6866.3; 06-APR-2008 15:02:12; Dark ; 44.5; 12; Alp1Cru ; 0.77; 30000;occ; 89; 0;31899
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 23; 7078.2; 07-APR-2008 04:30:31; Dark ; 36.0; 64; Gam Cen ; 2.20; 10600;occ; 72; 0;31907
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9; 3926.0; 07-APR-2008 05:18:35; Bright; 33.5; 74; 11Bet Cas ; 2.27; 6600;occ; 67; 0;31908
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11; 1044.9; 07-APR-2008 22:57:09; Dark ; 40.0; 64; Gam Cen ; 2.20; 10600;occ; 80; 0;31919
12; 1480.1; 07-APR-2008 23:04:24; Dark ; 41.0; 106; 9Bet Crv ; 2.65; 5600;occ; 82; 0;31919
13; 1592.9; 07-APR-2008 23:06:17; Dark ; 38.0; 100; 4Gam Crv ; 2.58; 13100;occ; 76; 0;31919
14; 2155.3; 07-APR-2008 23:15:39; Bright; 36.5; 62; 94Bet Leo ; 2.14; 9700;occ; 73; 0;31919
15; 2261.6; 07-APR-2008 23:17:26; Bright; 44.5; 96; 68Del Leo ; 2.56; 9300;occ; 89; 0;31919
16; 2664.7; 07-APR-2008 23:24:09; Bright; 35.5; 174; 52Psi UMa ; 3.00; 4400;occ; 71; 0;31919
17; 2829.2; 07-APR-2008 23:26:53; Bright; 37.5; 87; 64Gam UMa ; 2.43; 11000;occ; 75; 0;31919
18; 2955.4; 07-APR-2008 23:29:00; Bright; 33.0; 36; 50Alp UMa ; 1.80; 6300;occ; 66; 0;31919
19; 3441.4; 07-APR-2008 23:37:06; Bright; 35.0; 49; 1Alp UMi ; 1.99; 6300;occ; 70; 0;31919
20; 3843.9; 07-APR-2008 23:43:48; Bright; 34.5; 110; 37Del Cas ; 2.68; 8900;occ; 69; 0;31919
21; 3927.7; 07-APR-2008 23:45:12; Bright; 46.5; 74; 11Bet Cas ; 2.27; 6600;occ; 93; 0;31919
22; 4458.3; 07-APR-2008 23:54:02; Bright; 34.5; 164; 44Eta Peg ; 2.95; 5400;occ; 69; 0;31919
23; 5007.8; 08-APR-2008 00:03:12; Dark ; 41.0; 162; 34Alp Aqr ; 2.94; 5350;occ; 82; 0;31919
24; 5296.0; 08-APR-2008 00:08:00; Dark ; 39.5; 142; 49Del Cap ; 2.85; 8900;occ; 79; 0;31919

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3; -276.5; 08-APR-2008 00:15:44; Dark ; 38.5; 31; Alp Gru ; 1.73; 15200;occ; 77; 0;31919
4; -126.0; 08-APR-2008 00:18:14; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;31919
5; -0.6; 08-APR-2008 00:20:19; Dark ; 41.0; 45; Alp Pav ; 1.94; 26000;occ; 82; 0;31919
6; 449.9; 08-APR-2008 00:27:50; Dark ; 39.5; 43; Alp TrA ; 1.91; 4250;occ; 79; 0;31920
7; 569.3; 08-APR-2008 00:29:49; Dark ; 38.0; 134; Bet TrA ; 2.81; 6600;occ; 76; 0;31920
8; 721.3; 08-APR-2008 00:32:21; Dark ; 53.5; 4; Alp1Cen ; -0.01; 5800;occ; 107; 0;31920
9; 834.1; 08-APR-2008 00:34:14; Dark ; 46.5; 12; Alp1Cru ; 0.77; 30000;occ; 93; 0;31920
10; 924.6; 08-APR-2008 00:35:45; Dark ; 47.0; 26; Gam Cru ; 1.62; 2900;occ; 94; 0;31920
11; 1045.2; 08-APR-2008 00:37:45; Dark ; 41.0; 64; Gam Cen ; 2.20; 10600;occ; 82; 0;31920
12; 1480.4; 08-APR-2008 00:45:00; Dark ; 41.5; 106; 9Bet Crv ; 2.65; 5600;occ; 83; 0;31920
13; 1593.1; 08-APR-2008 00:46:53; Dark ; 40.0; 100; 4Gam Crv ; 2.58; 13100;occ; 80; 0;31920
14; 2155.3; 08-APR-2008 00:56:15; Bright; 36.5; 62; 94Bet Leo ; 2.14; 9700;occ; 73; 0;31920
15; 2261.9; 08-APR-2008 00:58:02; Bright; 40.0; 96; 68Del Leo ; 2.56; 9300;occ; 80; 0;31920
16; 2664.6; 08-APR-2008 01:04:45; Bright; 36.0; 174; 52Psi UMa ; 3.00; 4400;occ; 72; 0;31920
17; 2829.2; 08-APR-2008 01:07:29; Bright; 35.0; 87; 64Gam UMa ; 2.43; 11000;occ; 70; 0;31920
18; 2955.5; 08-APR-2008 01:09:36; Bright; 36.5; 36; 50Alp UMa ; 1.80; 6300;occ; 73; 0;31920
19; 3441.4; 08-APR-2008 01:17:41; Bright; 34.5; 49; 1Alp UMi ; 1.99; 6300;occ; 69; 0;31920
20; 3844.2; 08-APR-2008 01:24:24; Bright; 34.0; 110; 37Del Cas ; 2.68; 8900;occ; 68; 0;31920
21; 3927.8; 08-APR-2008 01:25:48; Bright; 32.5; 74; 11Bet Cas ; 2.27; 6600;occ; 65; 0;31920
22; 4458.5; 08-APR-2008 01:34:38; Bright; 34.5; 164; 44Eta Peg ; 2.95; 5400;occ; 69; 0;31920
23; 5008.1; 08-APR-2008 01:43:48; Dark ; 41.5; 162; 34Alp Aqr ; 2.94; 5350;occ; 83; 0;31920

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3; -276.1; 08-APR-2008 01:56:20; Dark ; 37.0; 31; Alp Gru ; 1.73; 15200;occ; 74; 0;31920
4; -125.5; 08-APR-2008 01:58:50; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;31920
5; -0.1; 08-APR-2008 02:00:56; Dark ; 38.0; 45; Alp Pav ; 1.94; 26000;occ; 76; 0;31920
6; 450.4; 08-APR-2008 02:08:26; Dark ; 37.5; 43; Alp TrA ; 1.91; 4250;occ; 75; 0;31921
7; 569.8; 08-APR-2008 02:10:26; Dark ; 39.5; 134; Bet TrA ; 2.81; 6600;occ; 79; 0;31921
8; 721.7; 08-APR-2008 02:12:58; Dark ; 54.5; 4; Alp1Cen ; -0.01; 5800;occ; 109; 0;31921
9; 834.3; 08-APR-2008 02:14:50; Dark ; 45.5; 12; Alp1Cru ; 0.77; 30000;occ; 91; 0;31921
10; 924.9; 08-APR-2008 02:16:21; Dark ; 45.0; 26; Gam Cru ; 1.62; 2900;occ; 90; 0;31921
11; 1045.4; 08-APR-2008 02:18:21; Dark ; 38.0; 64; Gam Cen ; 2.20; 10600;occ; 76; 0;31921
12; 1480.6; 08-APR-2008 02:25:36; Dark ; 44.0; 106; 9Bet Crv ; 2.65; 5600;occ; 88; 0;31921
13; 1593.4; 08-APR-2008 02:27:29; Dark ; 38.5; 100; 4Gam Crv ; 2.58; 13100;occ; 77; 0;31921
14; 2155.4; 08-APR-2008 02:36:51; Bright; 37.0; 62; 94Bet Leo ; 2.14; 9700;occ; 74; 0;31921
15; 2262.0; 08-APR-2008 02:38:38; Bright; 34.5; 96; 68Del Leo ; 2.56; 9300;occ; 69; 0;31921
16; 2664.8; 08-APR-2008 02:45:21; Bright; 34.5; 174; 52Psi UMa ; 3.00; 4400;occ; 69; 0;31921
17; 2829.0; 08-APR-2008 02:48:05; Bright; 35.5; 87; 64Gam UMa ; 2.43; 11000;occ; 71; 0;31921
18; 2955.6; 08-APR-2008 02:50:11; Bright; 35.0; 36; 50Alp UMa ; 1.80; 6300;occ; 70; 0;31921
19; 3441.5; 08-APR-2008 02:58:17; Bright; 32.5; 49; 1Alp UMi ; 1.99; 6300;occ; 65; 0;31921
20; 3844.6; 08-APR-2008 03:05:00; Bright; 35.5; 110; 37Del Cas ; 2.68; 8900;occ; 71; 0;31921

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 3;-1027.4; 08-APR-2008 03:24:24; Dark ; 42.0; 162; 34Alp Aqr ; 2.94; 5350;occ; 84; 0;31921
 4; -739.0; 08-APR-2008 03:29:13; Dark ; 40.0; 142; 49Del Cap ; 2.85; 8900;occ; 80; 0;31921
 5; -591.6; 08-APR-2008 03:31:40; Dark ; 45.0; 18; 24Alp PsA ; 1.17; 9700;occ; 90; 0;31921
 6; -411.5; 08-APR-2008 03:34:40; Dark ; 36.5; 172; Gam Gru ; 3.00; 13100;occ; 73; 0;31921
 7; -275.7; 08-APR-2008 03:36:56; Dark ; 38.5; 31; Alp Gru ; 1.73; 15200;occ; 77; 0;31921
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 9; 0.6; 08-APR-2008 03:41:32; Dark ; 36.5; 45; Alp Pav ; 1.94; 26000;occ; 73; 0;31922
 10; 450.9; 08-APR-2008 03:49:03; Dark ; 39.5; 43; Alp TrA ; 1.91; 4250;occ; 79; 0;31922
 11; 570.4; 08-APR-2008 03:51:02; Dark ; 38.5; 134; Bet TrA ; 2.81; 6600;occ; 77; 0;31922
 12; 722.3; 08-APR-2008 03:53:34; Dark ; 45.5; 4; Alp1Cen ;-0.01; 5800;occ; 91; 0;31922
 13; 834.7; 08-APR-2008 03:55:26; Dark ; 48.5; 12; Alp1Cru ; 0.77; 30000;occ; 97; 0;31922
 14; 925.3; 08-APR-2008 03:56:57; Dark ; 44.5; 26; Gam Cru ; 1.62; 2900;occ; 89; 0;31922
 15; 1045.8; 08-APR-2008 03:58:58; Dark ; 39.5; 64; Gam Cen ; 2.20; 10600;occ; 79; 0;31922
 16; 1481.0; 08-APR-2008 04:06:13; Dark ; 43.0; 106; 9Bet Crv ; 2.65; 5600;occ; 86; 0;31922
 17; 1593.6; 08-APR-2008 04:08:05; Dark ; 40.0; 100; 4Gam Crv ; 2.58; 13100;occ; 80; 0;31922
 18; 2155.5; 08-APR-2008 04:17:27; Bright; 36.0; 62; 94Bet Leo ; 2.14; 9700;occ; 72; 0;31922
 19; 2262.1; 08-APR-2008 04:19:14; Bright; 35.5; 96; 68Del Leo ; 2.56; 9300;occ; 71; 0;31922
 20; 2664.9; 08-APR-2008 04:25:57; Bright; 34.0; 174; 52Psi UMa ; 3.00; 4400;occ; 68; 0;31922
 21; 2829.0; 08-APR-2008 04:28:41; Bright; 40.0; 87; 64Gam UMa ; 2.43; 11000;occ; 80; 0;31922
 22; 2955.7; 08-APR-2008 04:30:47; Bright; 37.0; 36; 50Alp UMa ; 1.80; 6300;occ; 74; 0;31922
 23; 3441.6; 08-APR-2008 04:38:53; Bright; 34.5; 49; 1Alp UMi ; 1.99; 6300;occ; 69; 0;31922

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 3;-1576.9; 08-APR-2008 04:55:51; Bright; 34.5; 164; 44Eta Peg ; 2.95; 5400;occ; 69; 0;31922
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 5; -738.5; 08-APR-2008 05:09:49; Dark ; 44.0; 142; 49Del Cap ; 2.85; 8900;occ; 88; 0;31922
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 10; 0.9; 08-APR-2008 05:22:09; Dark ; 43.0; 45; Alp Pav ; 1.94; 26000;occ; 86; 0;31923
 11; 451.3; 08-APR-2008 05:29:39; Dark ; 49.0; 43; Alp TrA ; 1.91; 4250;occ; 98; 0;31923
 12; 570.8; 08-APR-2008 05:31:39; Dark ; 41.0; 134; Bet TrA ; 2.81; 6600;occ; 82; 0;31923
 13; 722.7; 08-APR-2008 05:34:11; Dark ; 51.5; 4; Alp1Cen ;-0.01; 5800;occ; 103; 0;31923
 14; 834.8; 08-APR-2008 05:36:03; Dark ; 41.5; 12; Alp1Cru ; 0.77; 30000;occ; 83; 0;31923
 15; 925.5; 08-APR-2008 05:37:33; Dark ; 51.5; 26; Gam Cru ; 1.62; 2900;occ; 103; 0;31923
 16; 1046.1; 08-APR-2008 05:39:34; Dark ; 38.5; 64; Gam Cen ; 2.20; 10600;occ; 77; 0;31923
 17; 1481.2; 08-APR-2008 05:46:49; Dark ; 43.5; 106; 9Bet Crv ; 2.65; 5600;occ; 87; 0;31923
 18; 1593.6; 08-APR-2008 05:48:41; Dark ; 41.0; 100; 4Gam Crv ; 2.58; 13100;occ; 82; 0;31923
 19; 2155.5; 08-APR-2008 05:58:03; Bright; 36.0; 62; 94Bet Leo ; 2.14; 9700;occ; 72; 0;31923
 20; 2262.2; 08-APR-2008 05:59:50; Bright; 34.5; 96; 68Del Leo ; 2.56; 9300;occ; 69; 0;31923
 21; 2665.0; 08-APR-2008 06:06:33; Bright; 36.5; 174; 52Psi UMa ; 3.00; 4400;occ; 73; 0;31923
 22; 2829.0; 08-APR-2008 06:09:17; Bright; 35.0; 87; 64Gam UMa ; 2.43; 11000;occ; 70; 0;31923
 23; 2955.6; 08-APR-2008 06:11:23; Bright; 36.0; 36; 50Alp UMa ; 1.80; 6300;occ; 72; 0;31923
 24; 3441.6; 08-APR-2008 06:19:29; Bright; 35.0; 49; 1Alp UMi ; 1.99; 6300;occ; 70; 0;31923

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 3;-1576.7; 08-APR-2008 06:36:27; Bright; 34.0; 164; 44Eta Peg ; 2.95; 5400;occ; 68; 0;31923
 4;-1026.8; 08-APR-2008 06:45:37; Dark ; 41.0; 162; 34Alp Aqr ; 2.94; 5350;occ; 82; 0;31923
 5; -738.1; 08-APR-2008 06:50:26; Dark ; 41.5; 142; 49Del Cap ; 2.85; 8900;occ; 83; 0;31923
 6; -591.3; 08-APR-2008 06:52:53; Dark ; 41.5; 18; 24Alp PsA ; 1.17; 9700;occ; 83; 0;31923
 7; -410.7; 08-APR-2008 06:55:53; Dark ; 38.0; 172; Gam Gru ; 3.00; 13100;occ; 76; 0;31923
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 9; -124.1; 08-APR-2008 07:00:40; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;31923
 10; 1.5; 08-APR-2008 07:02:45; Dark ; 38.5; 45; Alp Pav ; 1.94; 26000;occ; 77; 0;31924
 11; 451.7; 08-APR-2008 07:10:16; Dark ; 42.5; 43; Alp TrA ; 1.91; 4250;occ; 85; 0;31924
 12; 571.3; 08-APR-2008 07:12:15; Dark ; 41.0; 134; Bet TrA ; 2.81; 6600;occ; 82; 0;31924
 13; 723.1; 08-APR-2008 07:14:47; Dark ; 44.5; 4; Alp1Cen ;-0.01; 5800;occ; 89; 0;31924
 14; 835.0; 08-APR-2008 07:16:39; Dark ; 41.0; 12; Alp1Cru ; 0.77; 30000;occ; 82; 0;31924
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 17; 1481.3; 08-APR-2008 07:27:25; Dark ; 42.5; 106; 9Bet Crv ; 2.65; 5600;occ; 85; 0;31924
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 5; 2955.7; 08-APR-2008 07:51:59; Bright; 37.0; 36; 50Alp UMa ; 1.80; 6300;occ; 74; 0;31924
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 8; 3928.7; 08-APR-2008 08:08:12; Bright; 36.0; 74; 11Bet Cas ; 2.27; 6600;occ; 72; 0;31924
 9; 4459.4; 08-APR-2008 08:17:03; Bright; 35.0; 164; 44Eta Peg ; 2.95; 5400;occ; 70; 0;31924
 10; 5009.5; 08-APR-2008 08:26:13; Dark ; 44.0; 162; 34Alp Aqr ; 2.94; 5350;occ; 88; 0;31924
 11; 5298.3; 08-APR-2008 08:31:02; Dark ; 41.0; 142; 49Del Cap ; 2.85; 8900;occ; 82; 0;31924
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 13; 5625.5; 08-APR-2008 08:36:29; Dark ; 37.5; 172; Gam Gru ; 3.00; 13100;occ; 75; 0;31924
 14; 5760.9; 08-APR-2008 08:38:45; Dark ; 40.0; 31; Alp Gru ; 1.73; 15200;occ; 80; 0;31924
 15; 5912.3; 08-APR-2008 08:41:16; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;31924
 16; 6037.8; 08-APR-2008 08:43:22; Dark ; 38.5; 45; Alp Pav ; 1.94; 26000;occ; 77; 0;31924
 17; 6488.1; 08-APR-2008 08:50:52; Dark ; 39.5; 43; Alp TrA ; 1.91; 4250;occ; 79; 0;31924
 18; 6607.7; 08-APR-2008 08:52:52; Dark ; 37.0; 134; Bet TrA ; 2.81; 6600;occ; 74; 0;31924
 19; 6759.4; 08-APR-2008 08:55:23; Dark ; 53.5; 4; Alp1Cen ; -0.01; 5800;occ; 107; 0;31924
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 21; 6961.9; 08-APR-2008 08:58:46; Dark ; 48.0; 26; Gam Cru ; 1.62; 2900;occ; 96; 0;31924
 22; 7082.5; 08-APR-2008 09:00:46; Dark ; 37.5; 64; Gam Cen ; 2.20; 10600;occ; 75; 0;31924
 23; 7517.4; 08-APR-2008 09:08:01; Dark ; 43.5; 106; 9Bet Crv ; 2.65; 5600;occ; 87; 0;31924
 24; 7629.9; 08-APR-2008 09:09:54; Dark ; 39.5; 100; 4Gam Crv ; 2.58; 13100;occ; 79; 0;31924

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 6; 3845.8; 08-APR-2008 09:47:25; Bright; 37.5; 110; 37Del Cas ; 2.68; 8900;occ; 75; 0;31925
 7; 3928.8; 08-APR-2008 09:48:49; Bright; 34.0; 74; 11Bet Cas ; 2.27; 6600;occ; 68; 0;31925
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 9; 5009.8; 08-APR-2008 10:06:49; Dark ; 43.0; 162; 34Alp Aqr ; 2.94; 5350;occ; 86; 0;31925
 10; 5298.7; 08-APR-2008 10:11:38; Dark ; 41.0; 142; 49Del Cap ; 2.85; 8900;occ; 82; 0;31925
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3; 2274.4; 14-APR-2008 07:52:07; Bright; 35.5; 96; 68Del Leo ; 2.56; 9300;occ; 71; 0;32010
4; 2671.9; 14-APR-2008 07:58:45; Bright; 34.0; 174; 52Psi UMa ; 3.00; 4400;occ; 68; 0;32010
5; 2821.1; 14-APR-2008 08:01:14; Bright; 36.5; 87; 64Gam UMa ; 2.43; 11000;occ; 73; 0;32010
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7; 3442.6; 14-APR-2008 08:11:35; Bright; 34.0; 49; 1Alp UMi ; 1.99; 6300;occ; 68; 0;32010
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9; 3965.4; 14-APR-2008 08:20:18; Bright; 33.0; 68; 18Alp Cas ; 2.22; 4500;occ; 66; 0;32010
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11; 5041.8; 14-APR-2008 08:38:15; Dark ; 45.0; 162; 34Alp Aqr ; 2.94; 5350;occ; 90; 0;32010
12; 5340.8; 14-APR-2008 08:43:14; Dark ; 42.5; 142; 49Del Cap ; 2.85; 8900;occ; 85; 0;32010
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14; 5659.9; 14-APR-2008 08:48:33; Dark ; 37.5; 172; Gam Gru ; 3.00; 13100;occ; 75; 0;32010
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16; 5955.9; 14-APR-2008 08:53:29; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;32010
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19; 6648.3; 14-APR-2008 09:05:01; Dark ; 39.5; 134; Bet TrA ; 2.81; 6600;occ; 79; 0;32010
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21; 6926.7; 14-APR-2008 09:09:39; Dark ; 39.5; 20; Bet Cru ; 1.25; 30000;occ; 79; 0;32010
22; 7102.9; 14-APR-2008 09:12:36; Dark ; 38.0; 64; Gam Cen ; 2.20; 10600;occ; 76; 0;32010
23; 7268.9; 14-APR-2008 09:15:22; Dark ; 39.5; 123; Tot Cen ; 2.75; 10200;occ; 79; 0;32010
24; 7532.7; 14-APR-2008 09:19:45; Dark ; 42.5; 106; 9Bet Crv ; 2.65; 5600;occ; 85; 0;32010
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 4; 2671.9; 14-APR-2008 09:39:21; Bright; 35.0; 174; 52Psi UMa ; 3.00; 4400;occ; 70; 0;32011
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 12; 5341.4; 14-APR-2008 10:23:50; Dark ; 44.5; 142; 49Del Cap ; 2.85; 8900;occ; 89; 0;32011
 13; 5460.3; 14-APR-2008 10:25:49; Dark ; 42.0; 18; 24Alp PsA ; 1.17; 9700;occ; 84; 0;32011
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 16; 5956.4; 14-APR-2008 10:34:05; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;32011
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 22; 7103.1; 14-APR-2008 10:53:12; Dark ; 39.5; 64; Gam Cen ; 2.20; 10600;occ; 79; 0;32011
 23; 7269.2; 14-APR-2008 10:55:58; Dark ; 39.0; 123; Iot Cen ; 2.75; 10200;occ; 78; 0;32011
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 4; 2672.1; 14-APR-2008 11:19:57; Bright; 35.0; 174; 52Psi UMa ; 3.00; 4400;occ; 70; 0;32012
 5; 2820.9; 14-APR-2008 11:22:25; Bright; 40.0; 87; 64Gam UMa ; 2.43; 11000;occ; 80; 0;32012
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 19; 6649.3; 14-APR-2008 12:26:14; Dark ; 38.5; 134; Bet TrA ; 2.81; 6600;occ; 77; 0;32012
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 4; 2274.9; 14-APR-2008 12:53:55; Bright; 36.5; 96; 68Del Leo ; 2.56; 9300;occ; 73; 0;32013
 5; 2672.2; 14-APR-2008 13:00:33; Bright; 34.0; 174; 52Psi UMa ; 3.00; 4400;occ; 68; 0;32013
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 19; 6524.7; 14-APR-2008 14:04:45; Dark ; 41.5; 43; Alp TrA ; 1.91; 4250;occ; 83; 0;32013
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 23; 7103.6; 14-APR-2008 14:14:24; Dark ; 40.0; 64; Gam Cen ; 2.20; 10600;occ; 80; 0;32013
 24; 7269.8; 14-APR-2008 14:17:10; Dark ; 38.5; 123; Iot Cen ; 2.75; 10200;occ; 77; 0;32013
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 5; 2275.2; 14-APR-2008 14:34:32; Bright; 34.0; 96; 68Del Leo ; 2.56; 9300;occ; 68; 0;32014
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 22; 6795.0; 14-APR-2008 15:49:51; Dark ; 44.5; 4; Alp1Cen ;-0.01; 5800;occ; 89; 0;32014
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 23; 6795.5; 14-APR-2008 17:30:28; Dark ; 46.0; 4; Alp1Cen ;-0.01; 5800;occ; 92; 0;32015
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 4; 1607.4; 14-APR-2008 17:44:36; Dark ; 39.5; 100; 4Gam Crv ; 2.58; 13100;occ; 79; 0;32016
 5; 1875.3; 14-APR-2008 17:49:04; Bright; 36.0; 121; 29Gam Vir ; 2.74; 7200;occ; 72; 0;32016


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16; 5680.7; 17-APR-2008 10:35:14; Dark ; 39.0; 172; Gam Gru ; 3.00; 13100;occ; 78; 0;32054
17; 5800.8; 17-APR-2008 10:37:14; Dark ; 38.5; 31; Alp Gru ; 1.73; 15200;occ; 77; 0;32054
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2;	2163.4;	17-APR-2008	11:17:12;	Bright;	36.0;	62;	94Bet Leo	; 2.14;	9700;occ;	72;	0;	32055
3;	2283.6;	17-APR-2008	11:19:13;	Bright;	35.0;	96;	68Del Leo	; 2.56;	9300;occ;	70;	0;	32055
4;	2582.0;	17-APR-2008	11:24:11;	Bright;	33.0;	152;	12Alp2CVn	; 2.89;	11000;occ;	66;	0;	32055
5;	2678.5;	17-APR-2008	11:25:47;	Bright;	34.0;	174;	52Psi UMa	; 3.00;	4400;occ;	68;	0;	32055
6;	2819.6;	17-APR-2008	11:28:09;	Bright;	52.0;	87;	64Gam UMa	; 2.43;	11000;occ;	104;	0;	32055
7;	2963.5;	17-APR-2008	11:30:33;	Bright;	36.5;	36;	50Alp UMa	; 1.80;	6300;occ;	73;	0;	32055
8;	3443.0;	17-APR-2008	11:38:32;	Bright;	34.0;	49;	1Alp UMi	; 1.99;	6300;occ;	68;	0;	32055
9;	3880.7;	17-APR-2008	11:45:50;	Bright;	51.5;	110;	37Del Cas	; 2.68;	8900;occ;	103;	0;	32055
10;	3974.0;	17-APR-2008	11:47:23;	Bright;	34.0;	68;	18Alp Cas	; 2.22;	4500;occ;	68;	0;	32055
11;	4479.6;	17-APR-2008	11:55:49;	Bright;	37.0;	164;	44Eta Peg	; 2.95;	5400;occ;	74;	0;	32055
12;	5061.9;	17-APR-2008	12:05:31;	Dark	; 44.0;	162;	34Alp Aqr	; 2.94;	5350;occ;	88;	0;	32055
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16;	5681.2;	17-APR-2008	12:15:50;	Dark	; 38.5;	172;	Gam Gru	; 3.00;	13100;occ;	77;	0;	32055
17;	5801.1;	17-APR-2008	12:17:50;	Dark	; 41.0;	31;	Alp Gru	; 1.73;	15200;occ;	82;	0;	32055
18;	5990.2;	17-APR-2008	12:20:59;	Dark	; 43.0;	148;	Alp Tuc	; 2.88;	4100;occ;	86;	0;	32055
19;	6104.0;	17-APR-2008	12:22:53;	Dark	; 38.5;	45;	Alp Pav	; 1.94;	26000;occ;	77;	0;	32055
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21;	6668.6;	17-APR-2008	12:32:18;	Dark	; 37.5;	134;	Bet TrA	; 2.81;	6600;occ;	75;	0;	32055
22;	6809.9;	17-APR-2008	12:34:39;	Dark	; 51.5;	4;	Alp1Cen	; -0.01;	5800;occ;	103;	0;	32055
23;	6935.1;	17-APR-2008	12:36:44;	Dark	; 42.0;	20;	Bet Cru	; 1.25;	30000;occ;	84;	0;	32055
24;	7112.4;	17-APR-2008	12:39:41;	Dark	; 36.0;	64;	Gam Cen	; 2.20;	10600;occ;	72;	0;	32055
25;	7237.5;	17-APR-2008	12:41:47;	Dark	; 45.5;	54;	5The Cen	; 2.06;	4500;occ;	91;	0;	32055
26;	7540.3;	17-APR-2008	12:46:49;	Dark	; 41.5;	106;	9Bet Crv	; 2.65;	5600;occ;	83;	0;	32055
27;	7658.9;	17-APR-2008	12:48:48;	Bright;	38.0;	163;	7Del Crv	; 2.94;	11000;occ;	76;	0;	32055

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2;	1876.9;	17-APR-2008	12:53:02;	Bright;	38.0;	121;	29Gam Vir	; 2.74;	7200;occ;	76;	0;	32056
3;	2163.6;	17-APR-2008	12:57:48;	Bright;	34.0;	62;	94Bet Leo	; 2.14;	9700;occ;	68;	0;	32056
4;	2284.0;	17-APR-2008	12:59:49;	Bright;	35.5;	96;	68Del Leo	; 2.56;	9300;occ;	71;	0;	32056
5;	2581.9;	17-APR-2008	13:04:47;	Bright;	36.0;	152;	12Alp2CVn	; 2.89;	11000;occ;	72;	0;	32056
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9;	3443.0;	17-APR-2008	13:19:08;	Bright;	33.0;	49;	1Alp UMi	; 1.99;	6300;occ;	66;	0;	32056
10;	3881.1;	17-APR-2008	13:26:26;	Bright;	32.5;	110;	37Del Cas	; 2.68;	8900;occ;	65;	0;	32056
11;	3974.3;	17-APR-2008	13:27:59;	Bright;	34.5;	68;	18Alp Cas	; 2.22;	4500;occ;	69;	0;	32056
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14;	5368.0;	17-APR-2008	13:51:13;	Dark	; 45.5;	142;	49Del Cap	; 2.85;	8900;occ;	91;	0;	32056
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17;	5681.5;	17-APR-2008	13:56:26;	Dark	; 38.0;	172;	Gam Gru	; 3.00;	13100;occ;	76;	0;	32056
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19;	5990.5;	17-APR-2008	14:01:35;	Dark	; 37.0;	148;	Alp Tuc	; 2.88;	4100;occ;	74;	0;	32056
20;	6104.6;	17-APR-2008	14:03:29;	Dark	; 39.5;	45;	Alp Pav	; 1.94;	26000;occ;	79;	0;	32056
21;	6542.1;	17-APR-2008	14:10:47;	Dark	; 40.5;	43;	Alp TrA	; 1.91;	4250;occ;	81;	0;	32056
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26;	7237.9;	17-APR-2008	14:22:23;	Dark	; 47.5;	54;	5The Cen	; 2.06;	4500;occ;	95;	0;	32056

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4;	2163.7;	17-APR-2008	14:38:24;	Bright;	34.0;	62;	94Bet Leo	; 2.14;	9700;occ;	68;	0;	32057
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10;	3443.2;	17-APR-2008	14:59:44;	Bright;	34.0;	49;	1Alp UMi	; 1.99;	6300;occ;	68;	0;	32057
11;	3881.4;	17-APR-2008	15:07:02;	Bright;	33.5;	110;	37Del Cas	; 2.68;	8900;occ;	67;	0;	32057
12;	3974.6;	17-APR-2008	15:08:35;	Bright;	34.0;	68;	18Alp Cas	; 2.22;	4500;occ;	68;	0;	32057

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6; 2163.7; 17-APR-2008 16:19:00; Bright; 35.0; 62; 94Bet Leo ; 2.14; 9700;occ; 70; 0;32058
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4; 2167.5; 19-APR-2008 13:35:14; Bright; 35.0; 62; 94Bet Leo ; 2.14; 9700;occ; 70; 0;32085
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7; 2819.6; 19-APR-2008 13:46:06; Bright; 35.0; 87; 64Gam UMa ; 2.43; 11000;occ; 70; 0;32085
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2; 1627.8; 19-APR-2008 15:06:50; Bright; 37.5; 163; 7Del Crv ; 2.94; 11000;occ; 75; 0;32086
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4; 2167.7; 19-APR-2008 15:15:50; Bright; 35.0; 62; 94Bet Leo ; 2.14; 9700;occ; 70; 0;32086
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5; 1878.9; 19-APR-2008 16:51:37; Bright; 36.5; 121; 29Gam Vir ; 2.74; 7200;occ; 73; 0;32087
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23; 6821.1; 19-APR-2008 18:14:00; Dark ; 51.0; 4; Alp1Cen ;-0.01; 5800;occ; 102; 0;32087
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9; 2819.5; 19-APR-2008 18:47:54; Bright; 35.5; 87; 64Gam UMA ; 2.43; 11000;occ; 71; 0;32088
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3;	-220.9;	20-APR-2008	00:39:37;	Dark	;	42.0;	31;	Alp	Gru	;	1.73;	15200;occ;	84;	0;	32091
4;	-37.1;	20-APR-2008	00:42:41;	Dark	;	41.0;	148;	Alp	Tuc	;	2.88;	4100;occ;	82;	0;	32091
5;	88.1;	20-APR-2008	00:44:46;	Dark	;	39.0;	45;	Alp	Pav	;	1.94;	26000;occ;	78;	0;	32092
6;	519.9;	20-APR-2008	00:51:58;	Dark	;	41.5;	43;	Alp	TrA	;	1.91;	4250;occ;	83;	0;	32092
7;	648.1;	20-APR-2008	00:54:06;	Dark	;	39.5;	134;	Bet	TrA	;	2.81;	6600;occ;	79;	0;	32092
8;	786.2;	20-APR-2008	00:56:24;	Dark	;	53.0;	4;	Alp1	Cen	;	-0.01;	5800;occ;	106;	0;	32092
9;	905.2;	20-APR-2008	00:58:23;	Dark	;	41.5;	20;	Bet	Cru	;	1.25;	30000;occ;	83;	0;	32092
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11;	1253.7;	20-APR-2008	01:04:12;	Dark	;	38.0;	123;	Iot	Cen	;	2.75;	10200;occ;	76;	0;	32092
12;	1510.4;	20-APR-2008	01:08:29;	Dark	;	39.0;	106;	9Bet	Crv	;	2.65;	5600;occ;	78;	0;	32092
13;	1628.5;	20-APR-2008	01:10:27;	Bright;	;	37.5;	163;	7Del	Crv	;	2.94;	11000;occ;	75;	0;	32092
14;	1878.8;	20-APR-2008	01:14:37;	Bright;	;	36.5;	121;	29Gam	Vir	;	2.74;	7200;occ;	73;	0;	32092
15;	2168.4;	20-APR-2008	01:19:26;	Bright;	;	35.0;	62;	94Bet	Leo	;	2.14;	9700;occ;	70;	0;	32092
16;	2292.7;	20-APR-2008	01:21:31;	Bright;	;	35.5;	96;	68Del	Leo	;	2.56;	9300;occ;	71;	0;	32092
17;	2685.3;	20-APR-2008	01:28:03;	Bright;	;	36.0;	174;	52Psi	UMa	;	3.00;	4400;occ;	72;	0;	32092
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19;	2967.9;	20-APR-2008	01:32:46;	Bright;	;	36.0;	36;	50Alp	UMa	;	1.80;	6300;occ;	72;	0;	32092
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22;	3980.3;	20-APR-2008	01:49:38;	Bright;	;	35.0;	68;	18Alp	Cas	;	2.22;	4500;occ;	70;	0;	32092
23;	4510.7;	20-APR-2008	01:58:29;	Bright;	;	37.5;	93;	53Bet	Peg	;	2.52;	3100;occ;	75;	0;	32092
24;	4732.4;	20-APR-2008	02:02:11;	Dark	;	42.0;	90;	54Alp	Peg	;	2.49;	11000;occ;	84;	0;	32092
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2;	-339.7;	20-APR-2008	02:18:14;	Dark	;	59.5;	0;			;	0.00;	0;occ;	119;	0;	32092
3;	-220.6;	20-APR-2008	02:20:13;	Dark	;	39.0;	31;	Alp	Gru	;	1.73;	15200;occ;	78;	0;	32092
4;	-37.0;	20-APR-2008	02:23:17;	Dark	;	38.0;	148;	Alp	Tuc	;	2.88;	4100;occ;	76;	0;	32092
5;	88.7;	20-APR-2008	02:25:23;	Dark	;	40.5;	45;	Alp	Pav	;	1.94;	26000;occ;	81;	0;	32093
6;	520.2;	20-APR-2008	02:32:34;	Dark	;	38.0;	43;	Alp	TrA	;	1.91;	4250;occ;	76;	0;	32093
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13;	1628.6;	20-APR-2008	02:51:03;	Bright;	;	35.0;	163;	7Del	Crv	;	2.94;	11000;occ;	70;	0;	32093
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15;	2168.5;	20-APR-2008	03:00:02;	Bright;	;	39.0;	62;	94Bet	Leo	;	2.14;	9700;occ;	78;	0;	32093
16;	2292.9;	20-APR-2008	03:02:07;	Bright;	;	35.0;	96;	68Del	Leo	;	2.56;	9300;occ;	70;	0;	32093
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18;	2819.7;	20-APR-2008	03:10:54;	Bright;	;	33.0;	87;	64Gam	UMa	;	2.43;	11000;occ;	66;	0;	32093
19;	2968.2;	20-APR-2008	03:13:22;	Bright;	;	36.5;	36;	50Alp	UMa	;	1.80;	6300;occ;	73;	0;	32093
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21;	3889.6;	20-APR-2008	03:28:44;	Bright;	;	17.5;	110;	37Del	Cas	;	2.68;	8900;occ;	35;	0;	32093
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19; 2169.0; 20-APR-2008 06:21:15; Bright; 34.0; 62; 94Bet Leo ; 2.14; 9700;occ; 68; 0;32095
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13; 3892.0; 20-APR-2008 21:55:21; Bright; 33.0; 110; 37Del Cas ; 2.68; 8900;occ; 66; 0;32104
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12; 4000.0; 30-APR-2008 09:58:36; Bright; 52.0; 68; 18Alp Cas ; 2.22; 4500;occ; 104; 0;32240
13; 5243.4; 30-APR-2008 10:19:19; Dark ; 41.0; 52; 16Bet Cet ; 2.04; 4500;occ; 82; 0;32240
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16; 5886.3; 30-APR-2008 10:30:02; Dark ; 40.5; 31; Alp Gru ; 1.73; 15200;occ; 81; 0;32240
17; 6044.3; 30-APR-2008 10:32:40; Dark ; 42.5; 148; Alp Tuc ; 2.88; 4100;occ; 85; 0;32240
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21; 6867.7; 30-APR-2008 10:46:24; Dark ; 43.5; 4; Alp1Cen ;-0.01; 5800;occ; 87; 0;32240
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23; 7072.7; 30-APR-2008 10:49:49; Dark ; 38.5; 78; Alp Lup ; 2.30; 28000;occ; 77; 0;32240
24; 7165.4; 30-APR-2008 10:51:21; Dark ; 41.0; 81; Eta Cen ; 2.36; 28000;occ; 82; 0;32240
25; 7290.9; 30-APR-2008 10:53:27; Dark ; 43.0; 54; 5The Cen ; 2.06; 4500;occ; 86; 0;32240
26; 7548.3; 30-APR-2008 10:57:44; Dark ; 40.5; 169; 46Gam Hya ; 2.99; 4700;occ; 81; 0;32240
27; 7747.8; 30-APR-2008 11:01:04; Bright; 19.0; 15; 67Alp Vir ; 0.98; 28000;occ; 38; 0;32240
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5; 2559.7; 30-APR-2008 11:15:12; Bright; 36.5; 152; 12Alp2CVn ; 2.89; 11000;occ; 73; 0;32241
6; 2726.6; 30-APR-2008 11:17:58; Bright; 39.0; 174; 52Psi UMa ; 3.00; 4400;occ; 78; 0;32241
7; 2832.3; 30-APR-2008 11:19:44; Bright; 34.5; 87; 64Gam UMa ; 2.43; 11000;occ; 69; 0;32241
8; 2916.2; 30-APR-2008 11:21:08; Bright; 34.5; 82; 48Bet UMa ; 2.37; 10600;occ; 69; 0;32241
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11; 3917.6; 30-APR-2008 11:37:49; Bright; 52.0; 110; 37Del Cas ; 2.68; 8900;occ; 104; 0;32241
12; 4000.2; 30-APR-2008 11:39:12; Bright; 33.0; 68; 18Alp Cas ; 2.22; 4500;occ; 66; 0;32241
13; 5243.5; 30-APR-2008 11:59:55; Dark ; 42.0; 52; 16Bet Cet ; 2.04; 4500;occ; 84; 0;32241
14; 5541.1; 30-APR-2008 12:04:53; Dark ; 46.5; 18; 24Alp PsA ; 1.17; 9700;occ; 93; 0;32241

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 17; 6044.7; 30-APR-2008 12:13:16; Dark ; 37.5; 148; Alp Tuc ; 2.88; 4100;occ; 75; 0;32241
 18; 6215.4; 30-APR-2008 12:16:07; Dark ; 29.0; 45; Alp Pav ; 1.94; 26000;occ; 58; 0;32241
 19; 6612.4; 30-APR-2008 12:22:44; Dark ; 38.0; 43; Alp TrA ; 1.91; 4250;occ; 76; 0;32241
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 22; 6960.8; 30-APR-2008 12:28:33; Dark ; 38.5; 20; Bet Cru ; 1.25; 30000;occ; 77; 0;32241
 23; 7072.9; 30-APR-2008 12:30:25; Dark ; 39.0; 78; Alp Lup ; 2.30; 28000;occ; 78; 0;32241
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 25; 7291.1; 30-APR-2008 12:34:03; Dark ; 44.0; 54; 5The Cen ; 2.06; 4500;occ; 88; 0;32241
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 5; 2559.9; 30-APR-2008 12:55:47; Bright; 34.0; 152; 12Alp2CVn ; 2.89; 11000;occ; 68; 0;32242
 6; 2727.0; 30-APR-2008 12:58:35; Bright; 36.5; 174; 52Psi UMa ; 3.00; 4400;occ; 73; 0;32242
 7; 2832.6; 30-APR-2008 13:00:20; Bright; 35.0; 87; 64Gam UMa ; 2.43; 11000;occ; 70; 0;32242
 8; 2916.5; 30-APR-2008 13:01:44; Bright; 34.0; 82; 48Bet UMa ; 2.37; 10600;occ; 68; 0;32242
 9; 2995.6; 30-APR-2008 13:03:03; Bright; 36.0; 36; 50Alp UMa ; 1.80; 6300;occ; 72; 0;32242
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 11; 3917.9; 30-APR-2008 13:18:25; Bright; 33.5; 110; 37Del Cas ; 2.68; 8900;occ; 67; 0;32242
 12; 4000.3; 30-APR-2008 13:19:48; Bright; 49.0; 68; 18Alp Cas ; 2.22; 4500;occ; 98; 0;32242
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 14; 5541.7; 30-APR-2008 13:45:29; Dark ; 44.0; 18; 24Alp PsA ; 1.17; 9700;occ; 88; 0;32242
 15; 5667.9; 30-APR-2008 13:47:35; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;32242
 16; 5887.5; 30-APR-2008 13:51:15; Dark ; 40.5; 31; Alp Gru ; 1.73; 15200;occ; 81; 0;32242
 17; 6045.1; 30-APR-2008 13:53:53; Dark ; 37.5; 148; Alp Tuc ; 2.88; 4100;occ; 75; 0;32242
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 19; 6612.8; 30-APR-2008 14:03:20; Dark ; 39.5; 43; Alp TrA ; 1.91; 4250;occ; 79; 0;32242
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 25; 7291.4; 30-APR-2008 14:14:39; Dark ; 42.5; 54; 5The Cen ; 2.06; 4500;occ; 85; 0;32242
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 6; 2559.9; 30-APR-2008 14:36:23; Bright; 33.5; 152; 12Alp2CVn ; 2.89; 11000;occ; 67; 0;32243
 7; 2727.4; 30-APR-2008 14:39:11; Bright; 36.5; 174; 52Psi UMa ; 3.00; 4400;occ; 73; 0;32243
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 12; 3918.2; 30-APR-2008 14:59:02; Bright; 48.5; 110; 37Del Cas ; 2.68; 8900;occ; 97; 0;32243
 13; 4000.5; 30-APR-2008 15:00:24; Bright; 35.0; 68; 18Alp Cas ; 2.22; 4500;occ; 70; 0;32243
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 24; 7073.6; 30-APR-2008 15:51:37; Dark ; 40.5; 78; Alp Lup ; 2.30; 28000;occ; 81; 0;32243
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19; 6045.8; 30-APR-2008 17:15:05; Dark ; 43.5; 148; Alp Tuc ; 2.88; 4100;occ; 87; 0;32244
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22; 6745.3; 30-APR-2008 17:26:45; Dark ; 37.0; 134; Bet TrA ; 2.81; 6600;occ; 74; 0;32244
23; 6868.8; 30-APR-2008 17:28:48; Dark ; 47.0; 4; Alp1Cen ; -0.01; 5800;occ; 94; 0;32244
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3; 1256.0; 30-APR-2008 17:35:52; Dark ; 44.5; 54; 5The Cen ; 2.06; 4500;occ; 89; 0;32245
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22; 6613.9; 30-APR-2008 19:05:09; Dark ; 40.0; 43; Alp TrA ; 1.91; 4250;occ; 80; 0;32245
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4; 1256.2; 30-APR-2008 19:16:28; Dark ; 40.5; 54; 5The Cen ; 2.06; 4500;occ; 81; 0;32246
5; 1513.1; 30-APR-2008 19:20:45; Dark ; 51.0; 169; 46Gam Hya ; 2.99; 4700;occ; 102; 0;32246
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12; 2833.1; 30-APR-2008 19:42:45; Bright; 34.5; 87; 64Gam UMa ; 2.43; 11000;occ; 69; 0;32246
13; 2917.6; 30-APR-2008 19:44:09; Bright; 35.0; 82; 48Bet UMa ; 2.37; 10600;occ; 70; 0;32246
14; 2996.4; 30-APR-2008 19:45:28; Bright; 37.0; 36; 50Alp UMa ; 1.80; 6300;occ; 74; 0;32246
15; 3444.9; 30-APR-2008 19:52:56; Bright; 36.0; 49; 1Alp UMi ; 1.99; 6300;occ; 72; 0;32246
16; 3918.3; 30-APR-2008 20:00:50; Bright; 33.0; 110; 37Del Cas ; 2.68; 8900;occ; 66; 0;32246
17; 4000.7; 30-APR-2008 20:02:12; Bright; 35.0; 68; 18Alp Cas ; 2.22; 4500;occ; 70; 0;32246

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18;	5244.1;	30-APR-2008	20:22:56;	Dark	;	41.5;	52;	16Bet	Cet	;	2.04;	4500;	occ;	83;	0;	32246
19;	5543.6;	30-APR-2008	20:27:55;	Dark	;	46.5;	18;	24Alp	PsA	;	1.17;	9700;	occ;	93;	0;	32246
20;	5670.3;	30-APR-2008	20:30:02;	Dark	;	59.5;	0;			;	0.00;	0;	occ;	119;	0;	32246
21;	5889.6;	30-APR-2008	20:33:41;	Dark	;	41.5;	31;	Alp	Gru	;	1.73;	15200;	occ;	83;	0;	32246
22;	6046.4;	30-APR-2008	20:36:18;	Dark	;	37.0;	148;	Alp	Tuc	;	2.88;	4100;	occ;	74;	0;	32246
23;	6614.1;	30-APR-2008	20:45:46;	Dark	;	38.0;	43;	Alp	TrA	;	1.91;	4250;	occ;	76;	0;	32246
24;	6746.0;	30-APR-2008	20:47:58;	Dark	;	36.5;	134;	Bet	TrA	;	2.81;	6600;	occ;	73;	0;	32246
25;	6869.3;	30-APR-2008	20:50:01;	Dark	;	43.5;	4;	Alp1Cen		;	-0.01;	5800;	occ;	87;	0;	32246
26;	6961.2;	30-APR-2008	20:51:33;	Dark	;	38.5;	20;	Bet	Cru	;	1.25;	30000;	occ;	77;	0;	32246