

GOMOS Daily Report 24-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	28APR2008 11:55:08
Data source version	GOMOS/5.00
Start time of products	24-04-2008 (24APR2008 00:00:00)
Stop time of products	25-04-2008 (25APR2008 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)

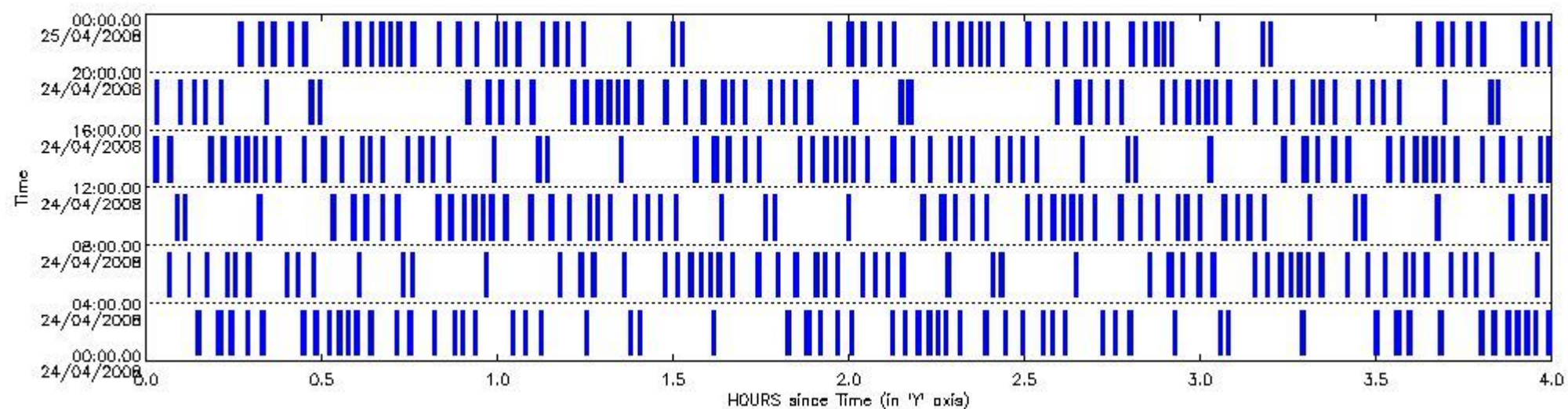
2.1 Level 0 products arrived in PCF (see template [here](#))

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)

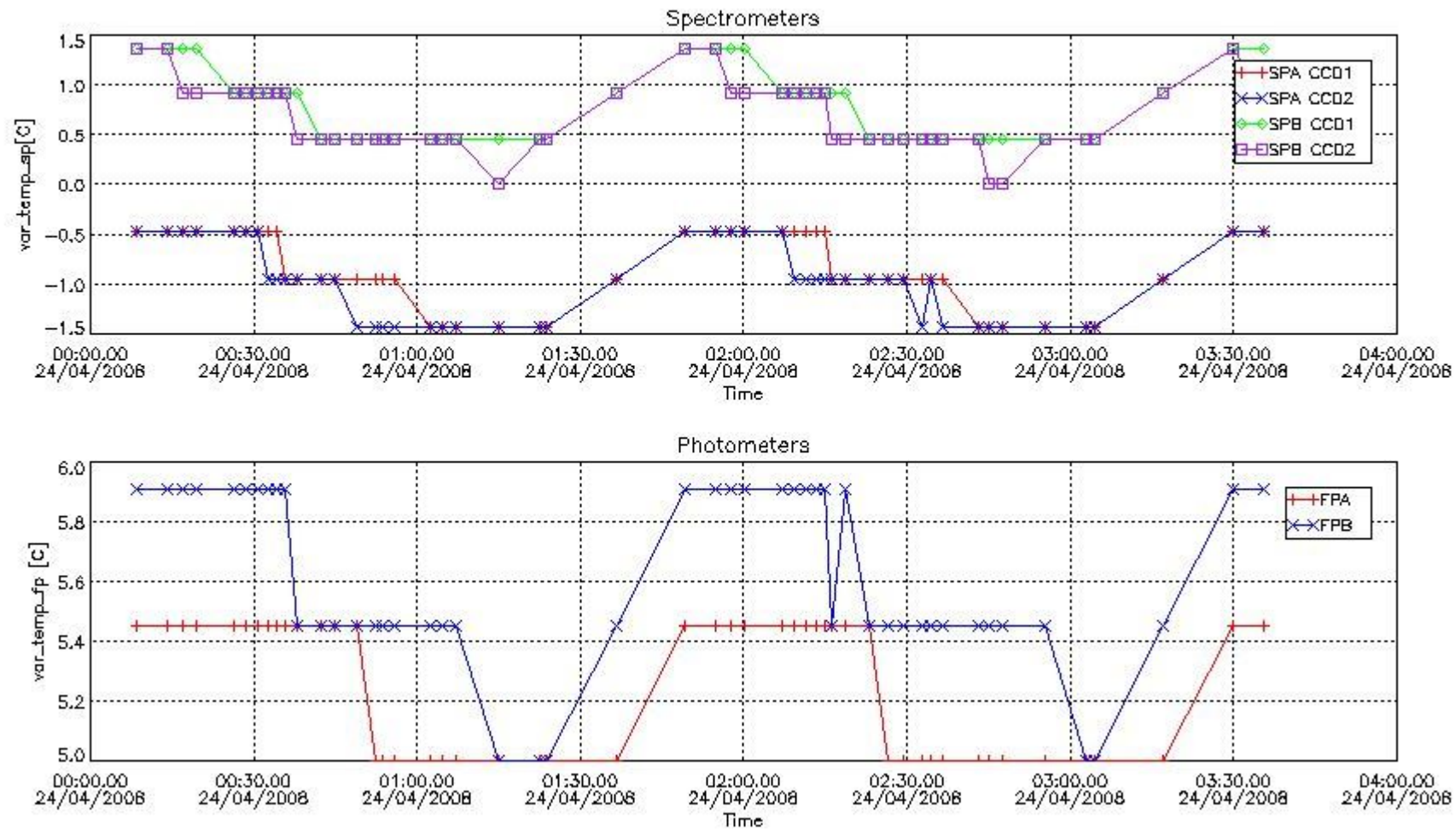
No missing products.

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_1PNPDE20080424_000831_000000432068_00030_32148_4965.N1	24-APR-2008 00:08:31	Dark	42.500	18	24Alp PsA	1.1660	9700.0	85	32148	No
2	GOM_TRA_1PNPDE20080424_001410_000000392068_00030_32148_4966.N1	24-APR-2008 00:14:10	Dark	39.000	31	Alp Gru	1.7340	15200.	78	32148	No
3	GOM_TRA_1PNPDE20080424_001704_000000382068_00030_32148_4967.N1	24-APR-2008 00:17:04	Dark	38.000	148	Alp Tuc	2.8780	4100.0	76	32148	No
4	GOM_TRA_1PNPDE20080424_001927_000000402068_00031_32149_4968.N1	24-APR-2008 00:19:27	Dark	40.000	45	Alp Pav	1.9400	26000.	80	32149	No
5	GOM_TRA_1PNPDE20080424_002627_000000432068_00031_32149_4969.N1	24-APR-2008 00:26:27	Dark	42.500	43	Alp TrA	1.9100	4250.0	85	32149	No
6	GOM_TRA_1PNPDE20080424_002838_000000382068_00031_32149_4970.N1	24-APR-2008 00:28:38	Straylight	37.500	134	Bet TrA	2.8100	6600.0	75	32149	No
7	GOM_TRA_1PNPDE20080424_003051_000000482068_00031_32149_4971.N1	24-APR-2008 00:30:51	Straylight	47.500	4	Alp1Cen	-0.010000	5800.0	95	32149	No
8	GOM_TRA_1PNPDE20080424_003239_000000412068_00031_32149_4972.N1	24-APR-2008 00:32:39	Straylight	40.500	20	Bet Cru	1.2530	30000.	81	32149	No
9	GOM_TRA_1PNPDE20080424_003410_000000402068_00031_32149_4973.N1	24-APR-2008 00:34:10	Straylight	40.000	78	Alp Lup	2.3040	28000.	80	32149	No
10	GOM_TRA_1PNPDE20080424_003538_000000382068_00031_32149_4974.N1	24-APR-2008 00:35:38	Straylight	38.000	64	Gam Cen	2.2000	10600.	76	32149	No
11	GOM_TRA_1PNPDE20080424_003756_000000462068_00031_32149_4975.N1	24-APR-2008 00:37:56	Straylight	46.000	54	5The Cen	2.0550	4500.0	92	32149	No
12	GOM_TRA_1PNPDE20080424_004222_000000382068_00031_32149_4976.N1	24-APR-2008 00:42:22	Twilight_stray	38.000	169	46Gam Hya	2.9910	4700.0	76	32149	No

13	GOM_TRA_1PNPDE20080424_004443_000000372068_00031_32149_4977.N1	24-APR-2008 00:44:43	Bright	36.500	163	7Del Crv	2.9450	11000.	73	32149	No
14	GOM_TRA_1PNPDE20080424_004850_000000372068_00031_32149_4978.N1	24-APR-2008 00:48:50	Bright	36.500	121	29Gam Vir	2.7400	7200.0	73	32149	No
15	GOM_TRA_1PNPDE20080424_005219_000000382068_00031_32149_4979.N1	24-APR-2008 00:52:19	Bright	37.500	138	47Eps Vir	2.8280	4700.0	75	32149	No
16	GOM_TRA_1PNPDE20080424_005344_000000352068_00031_32149_4980.N1	24-APR-2008 00:53:44	Bright	35.000	62	94Bet Leo	2.1360	9700.0	70	32149	No
17	GOM_TRA_1PNPDE20080424_005555_000000362068_00031_32149_4981.N1	24-APR-2008 00:55:55	Bright	35.500	96	68Del Leo	2.5600	9300.0	71	32149	No
18	GOM_TRA_1PNPDE20080424_010224_000000352068_00031_32149_4982.N1	24-APR-2008 01:02:24	Bright	34.500	174	52Psi UMa	3.0040	4400.0	69	32149	No
19	GOM_TRA_1PNPDE20080424_010428_000000342068_00031_32149_4983.N1	24-APR-2008 01:04:28	Bright	33.500	87	64Gam UMa	2.4330	11000.	67	32149	No
20	GOM_TRA_1PNPDE20080424_010702_000000362068_00031_32149_4984.N1	24-APR-2008 01:07:02	Bright	36.000	36	50Alp UMa	1.8000	6300.0	72	32149	No
21	GOM_TRA_1PNPDE20080424_011449_000000332068_00031_32149_4985.N1	24-APR-2008 01:14:49	Bright	33.000	49	1Alp UMi	1.9900	6300.0	66	32149	No
22	GOM_TRA_1PNPDE20080424_012227_000000332068_00031_32149_4986.N1	24-APR-2008 01:22:27	Bright	33.000	110	37Del Cas	2.6780	8900.0	66	32149	No
23	GOM_TRA_1PNPDE20080424_012355_000000362068_00031_32149_4987.N1	24-APR-2008 01:23:55	Bright	35.500	68	18Alp Cas	2.2250	4500.0	71	32149	No
24	GOM_TRA_1PNPDE20080424_013632_000000412068_00031_32149_4988.N1	24-APR-2008 01:36:32	Twilight	41.000	90	54Alp Peg	2.4870	11000.	82	32149	No
25	GOM_TRA_1PNPDE20080424_014907_000000462068_00031_32149_5110.N1	24-APR-2008 01:49:07	Dark	45.500	18	24Alp PsA	1.1660	9700.0	91	32149	No
26	GOM_TRA_1PNPDE20080424_015446_000000422068_00031_32149_5111.N1	24-APR-2008 01:54:46	Dark	41.500	31	Alp Gru	1.7340	15200.	83	32149	No
27	GOM_TRA_1PNPDE20080424_015740_000000372068_00031_32149_5112.N1	24-APR-2008 01:57:40	Dark	37.000	148	Alp Tuc	2.8780	4100.0	74	32149	No
28	GOM_TRA_1PNPDE20080424_020004_000000412068_00032_32150_5113.N1	24-APR-2008 02:00:04	Dark	40.500	45	Alp Pav	1.9400	26000.	81	32150	No
29	GOM_TRA_1PNPDE20080424_020704_000000422068_00032_32150_5114.N1	24-APR-2008 02:07:04	Dark	42.000	43	Alp TrA	1.9100	4250.0	84	32150	No
30	GOM_TRA_1PNPDE20080424_020914_000000392068_00032_32150_5115.N1	24-APR-2008 02:09:14	Straylight	38.500	134	Bet TrA	2.8100	6600.0	77	32150	No
31	GOM_TRA_1PNPDE20080424_021127_000000452068_00032_32150_5116.N1	24-APR-2008 02:11:27	Straylight	45.000	4	Alp1Cen	-0.010000	5800.0	90	32150	No
32	GOM_TRA_1PNPDE20080424_021315_000000432068_00032_32150_5117.N1	24-APR-2008 02:13:15	Straylight	43.000	20	Bet Cru	1.2530	30000.	86	32150	No
33	GOM_TRA_1PNPDE20080424_021447_000000392068_00032_32150_5118.N1	24-APR-2008 02:14:47	Straylight	38.500	78	Alp Lup	2.3040	28000.	77	32150	No
34	GOM_TRA_1PNPDE20080424_021615_000000392068_00032_32150_5119.N1	24-APR-2008 02:16:15	Straylight	39.000	64	Gam Cen	2.2000	10600.	78	32150	No
35	GOM_TRA_1PNPDE20080424_021832_000000462068_00032_32150_5120.N1	24-APR-2008 02:18:32	Straylight	45.500	54	5The Cen	2.0550	4500.0	91	32150	No
36	GOM_TRA_1PNPDE20080424_022258_000000412068_00032_32150_5121.N1	24-APR-2008 02:22:58	Twilight	40.500	169	46Gam Hya	2.9910	4700.0	81	32150	No
37	GOM_TRA_1PNPDE20080424_022623_000000312068_00032_32150_5122.N1	24-APR-2008 02:26:23	Bright	31.000	15	67Alp Vir	0.97600	28000.	62	32150	No
38	GOM_TRA_1PNPDE20080424_022926_000000372068_00032_32150_5123.N1	24-APR-2008 02:29:26	Bright	36.500	121	29Gam Vir	2.7400	7200.0	73	32150	No
39	GOM_TRA_1PNPDE20080424_023255_000000372068_00032_32150_5124.N1	24-APR-2008 02:32:55	Bright	36.500	138	47Eps Vir	2.8280	4700.0	73	32150	No
40	GOM_TRA_1PNPDE20080424_023420_000000362068_00032_32150_5125.N1	24-APR-2008 02:34:20	Bright	35.500	62	94Bet Leo	2.1360	9700.0	71	32150	No
41	GOM_TRA_1PNPDE20080424_023631_000000362068_00032_32150_5126.N1	24-APR-2008 02:36:31	Bright	36.000	96	68Del Leo	2.5600	9300.0	72	32150	No
42	GOM_TRA_1PNPDE20080424_024300_000000372068_00032_32150_5127.N1	24-APR-2008 02:43:00	Bright	36.500	174	52Psi UMa	3.0040	4400.0	73	32150	No
43	GOM_TRA_1PNPDE20080424_024504_000000352068_00032_32150_5128.N1	24-APR-2008 02:45:04	Bright	35.000	87	64Gam UMa	2.4330	11000.	70	32150	No
44	GOM_TRA_1PNPDE20080424_024738_000000382068_00032_32150_5129.N1	24-APR-2008 02:47:38	Bright	37.500	36	50Alp UMa	1.8000	6300.0	75	32150	No
45	GOM_TRA_1PNPDE20080424_025526_000000322068_00032_32150_5130.N1	24-APR-2008 02:55:26	Bright	31.500	49	1Alp UMi	1.9900	6300.0	63	32150	No
46	GOM_TRA_1PNPDE20080424_030303_000000372068_00032_32150_5285.N1	24-APR-2008 03:03:03	Bright	36.500	110	37Del Cas	2.6780	8900.0	73	32150	No
47	GOM_TRA_1PNPDE20080424_030431_000000342068_00032_32150_5286.N1	24-APR-2008 03:04:31	Bright	33.500	68	18Alp Cas	2.2250	4500.0	67	32150	No
48	GOM_TRA_1PNPDE20080424_031709_000000432068_00032_32150_5287.N1	24-APR-2008 03:17:09	Twilight	43.000	90	54Alp Peg	2.4870	11000.	86	32150	No
49	GOM_TRA_1PNPDE20080424_032943_000000392068_00032_32150_5288.N1	24-APR-2008 03:29:43	Dark	39.000	18	24Alp PsA	1.1660	9700.0	78	32150	No
50	GOM_TRA_1PNPDE20080424_033522_000000422068_00032_32150_5289.N1	24-APR-2008 03:35:22	Dark	42.000	31	Alp Gru	1.7340	15200.	84	32150	No

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



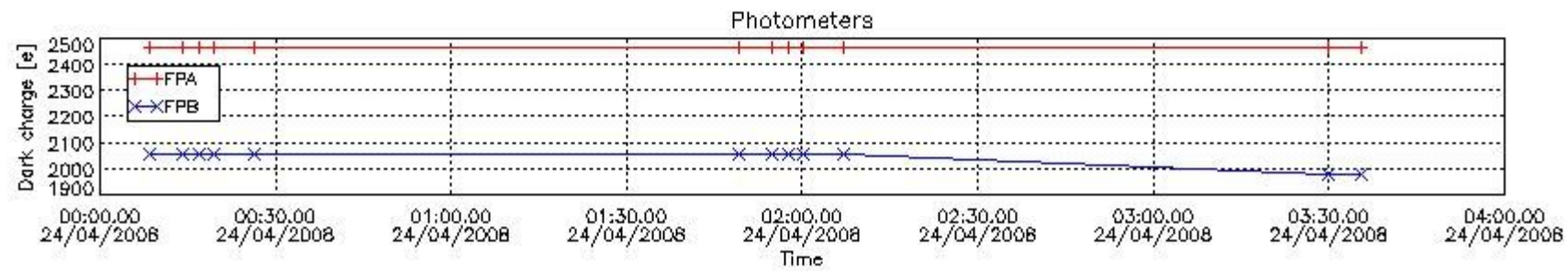
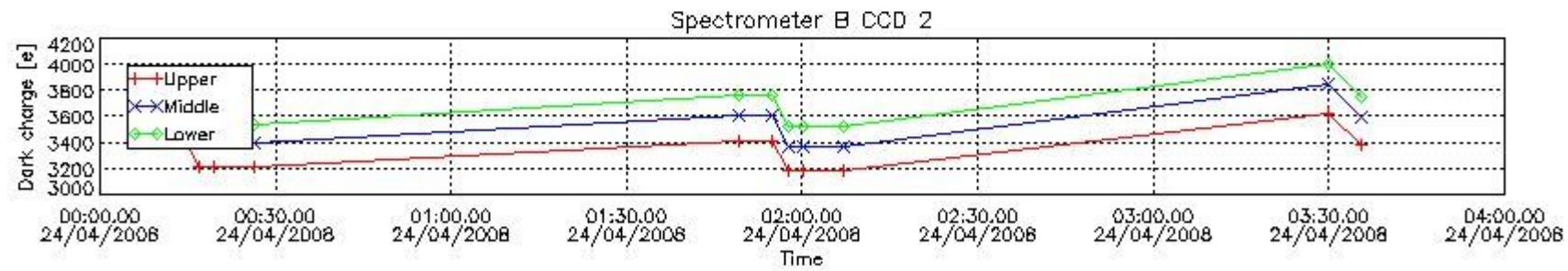
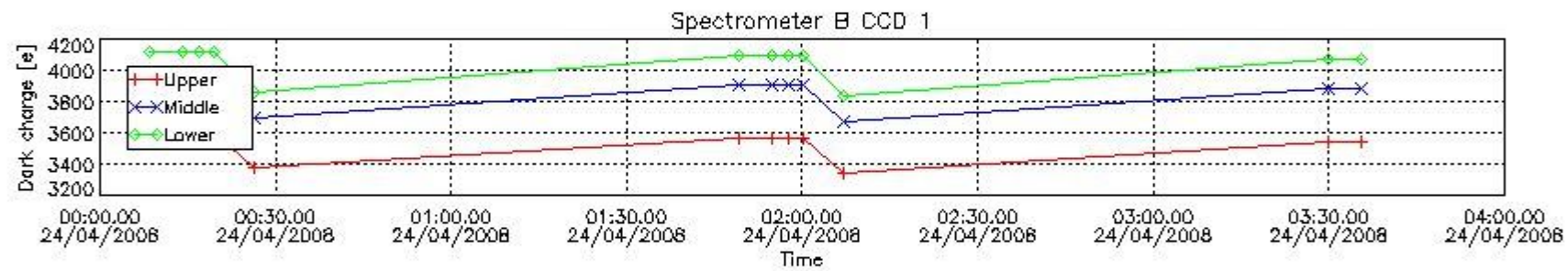
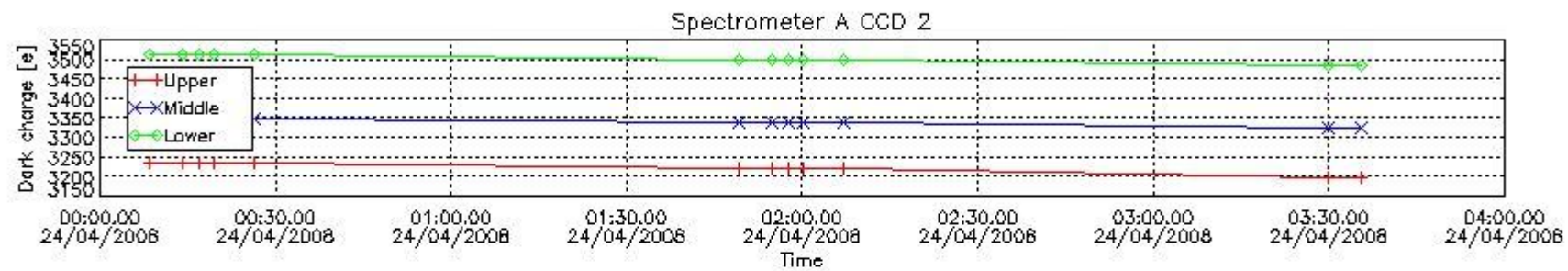
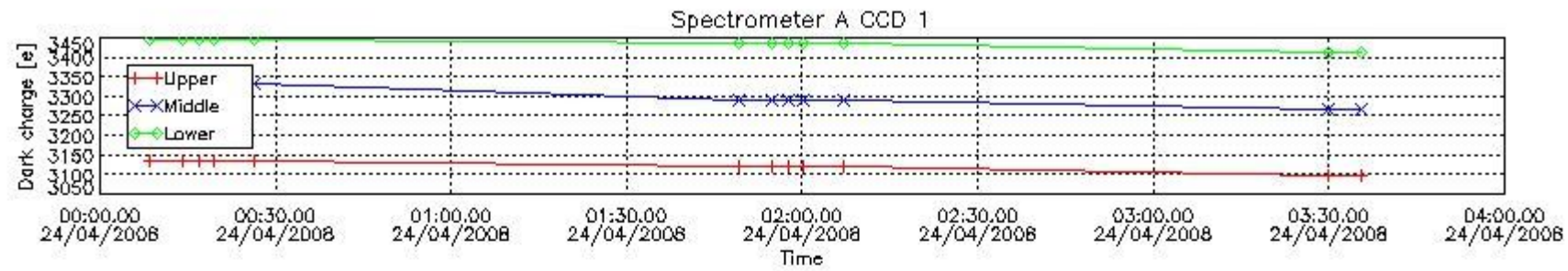
4. Overview of dark signal processing per product

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



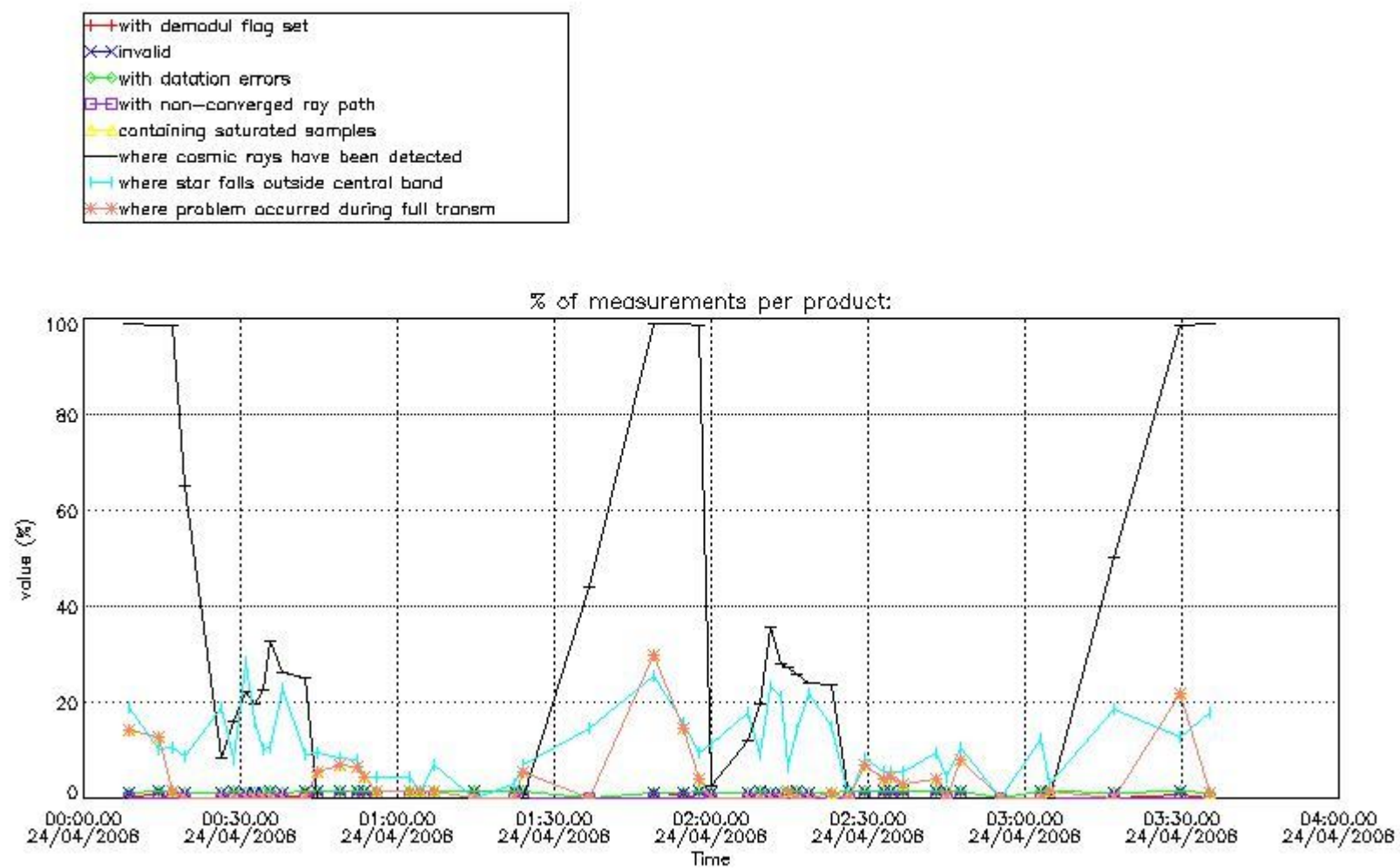
5. Demodulation flag and quality information monitoring

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.

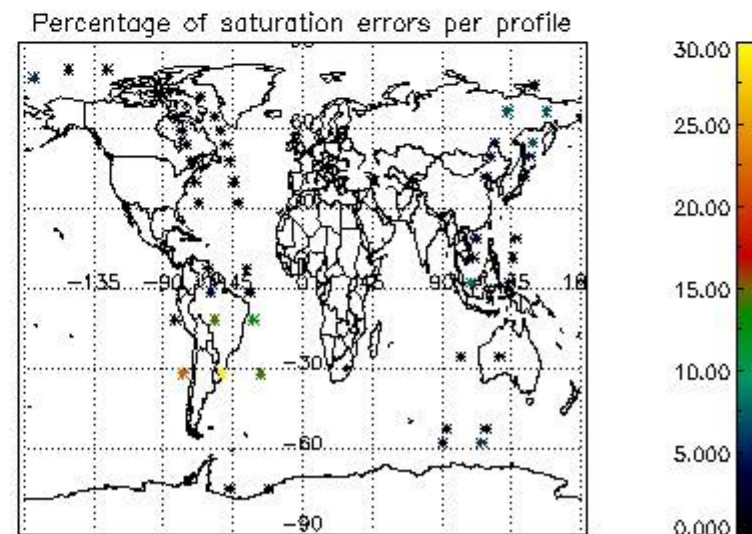
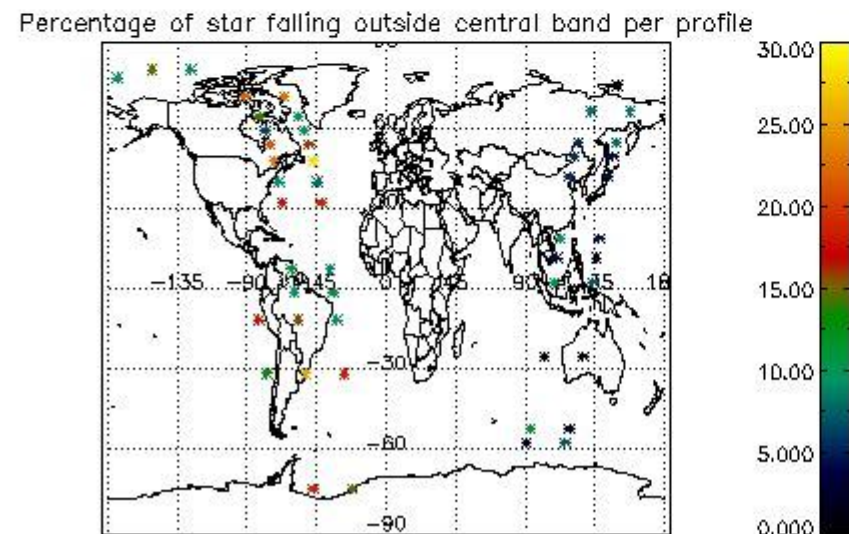
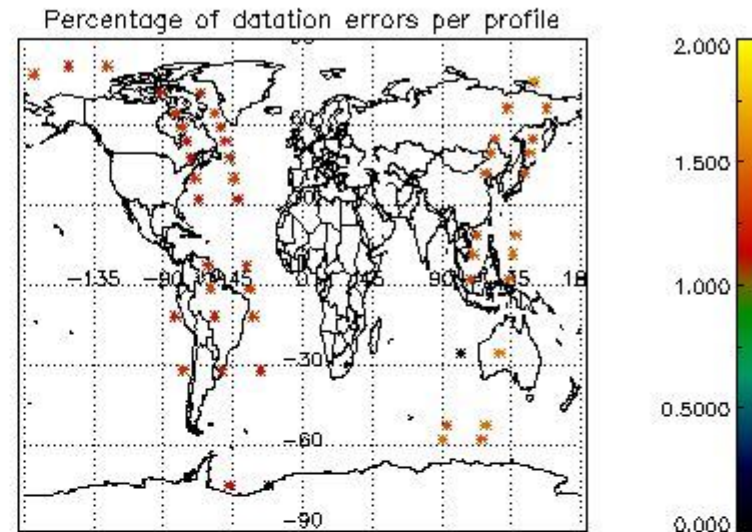
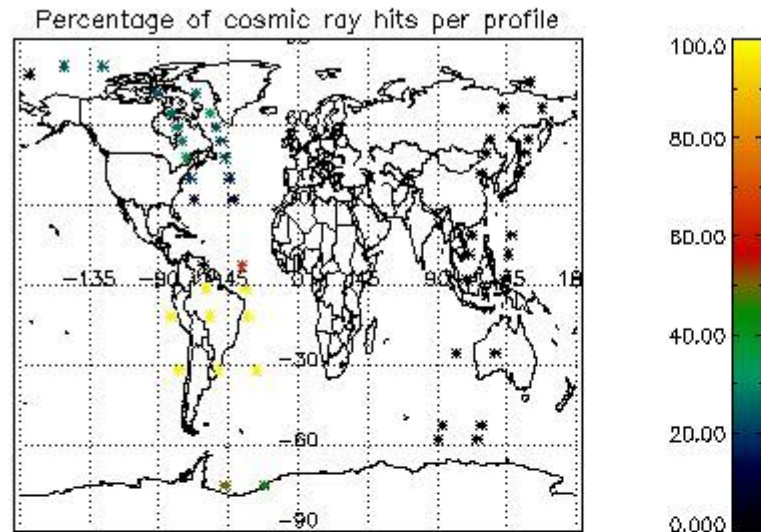
5.1 Percentage of products during reporting period with:

At least one measurement with demodulation flag set:	36.0000 %
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)



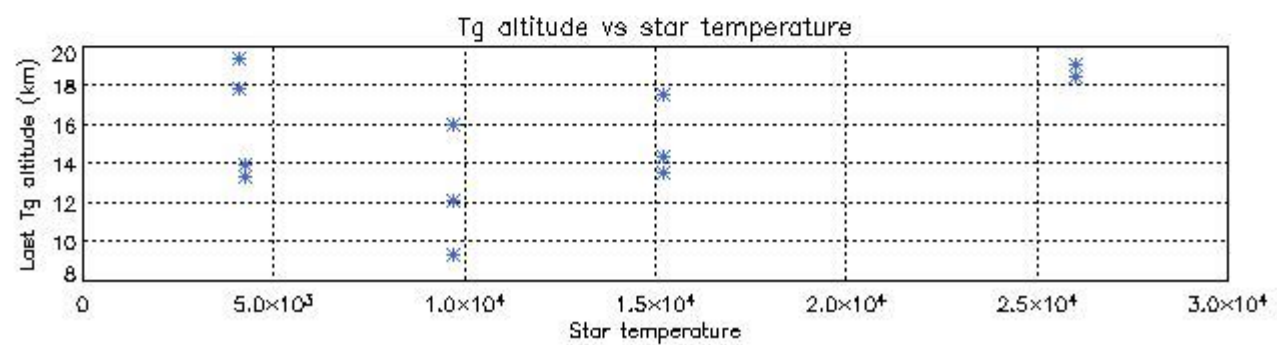
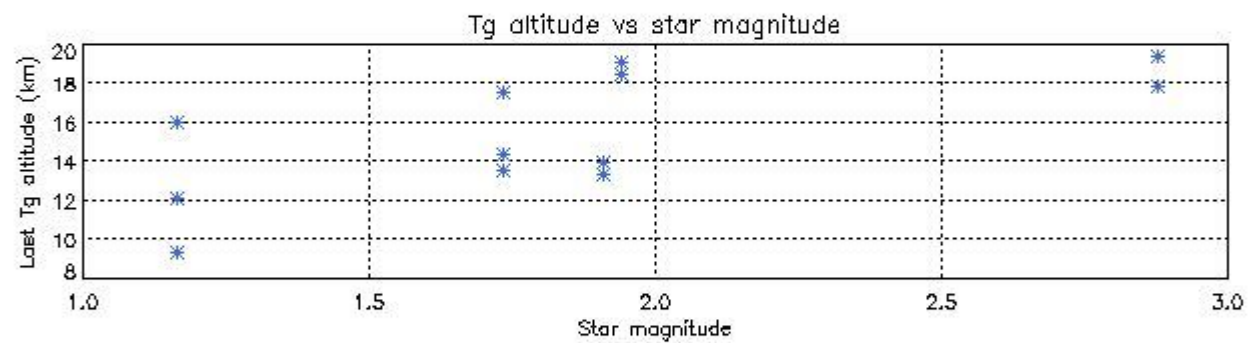
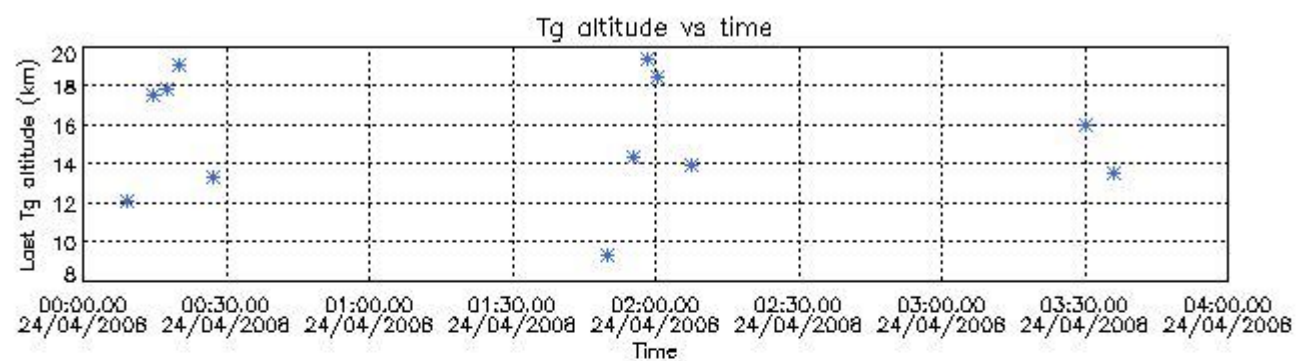
6. Statistics and plot of tangent altitude of the last measurement (DARK & BRIGHT products without errors)

6.1 Statistics on tangent altitude lost:

Statistics	DARK	BRIGHT	TWILIGHT
Mean:	15.411	22.563	NaN
St. deviation:	3.1409	4.5911	NaN
Maximum:	19.395	36.847	NaN
Minimum:	9.3076	18.177	NaN
Number of data:	12.000	22.000	NaN

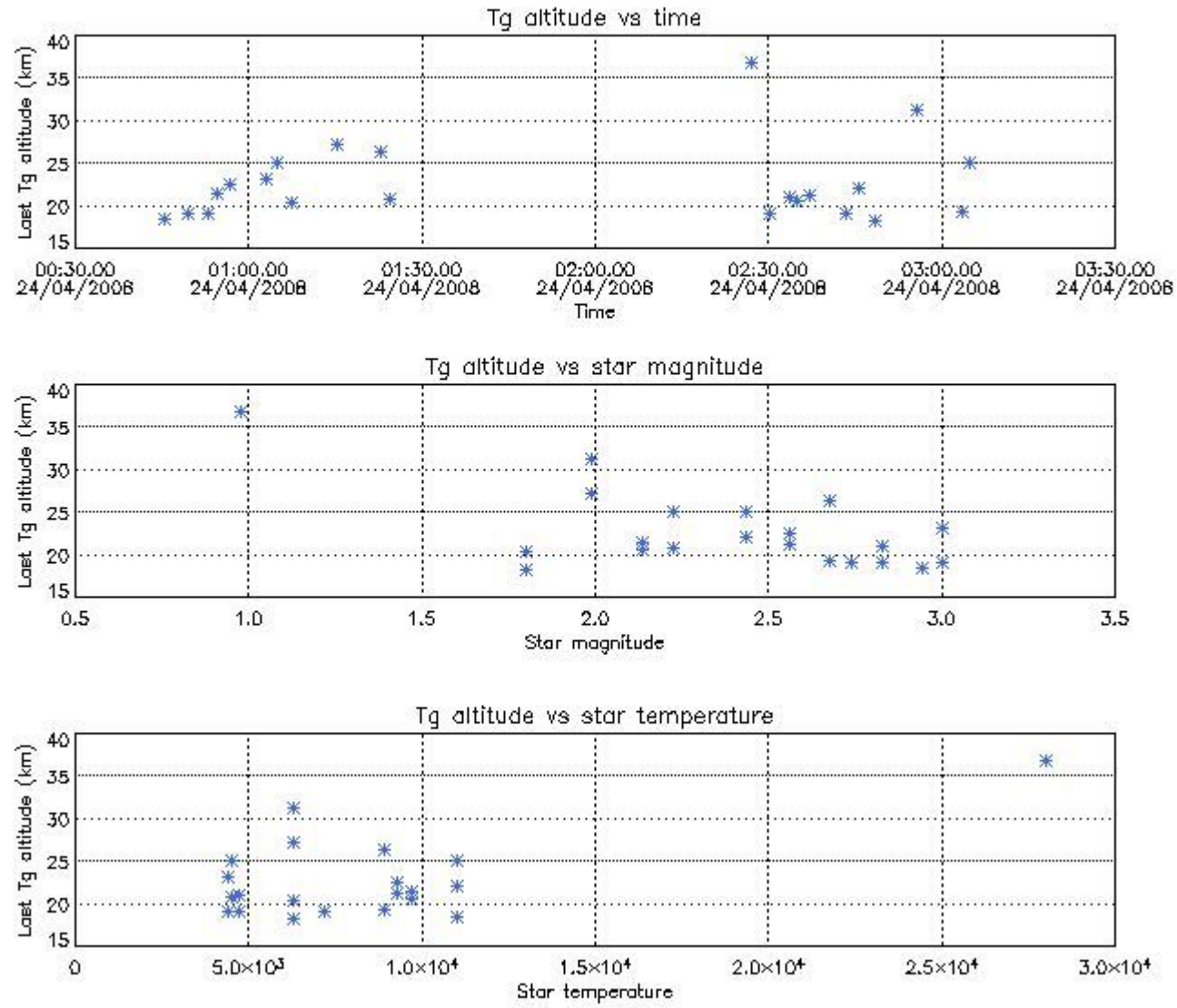
6.2 Plot for DARK limb products

Tangent altitude at which the star is lost



6.3 Plot for BRIGHT limb products

Tangent altitude at which the star is lost

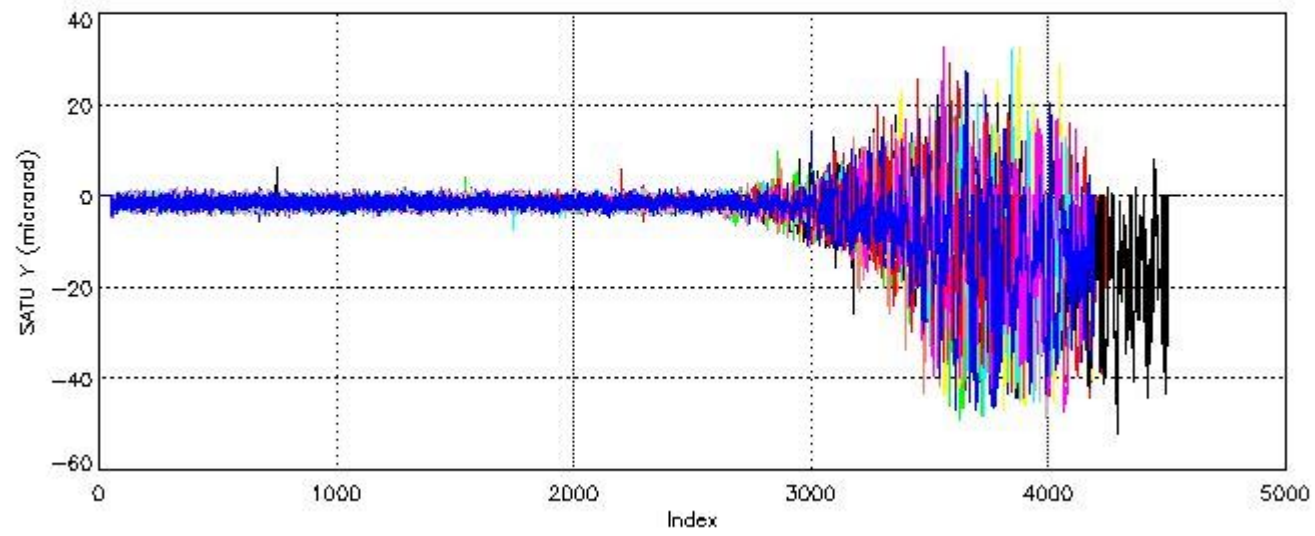
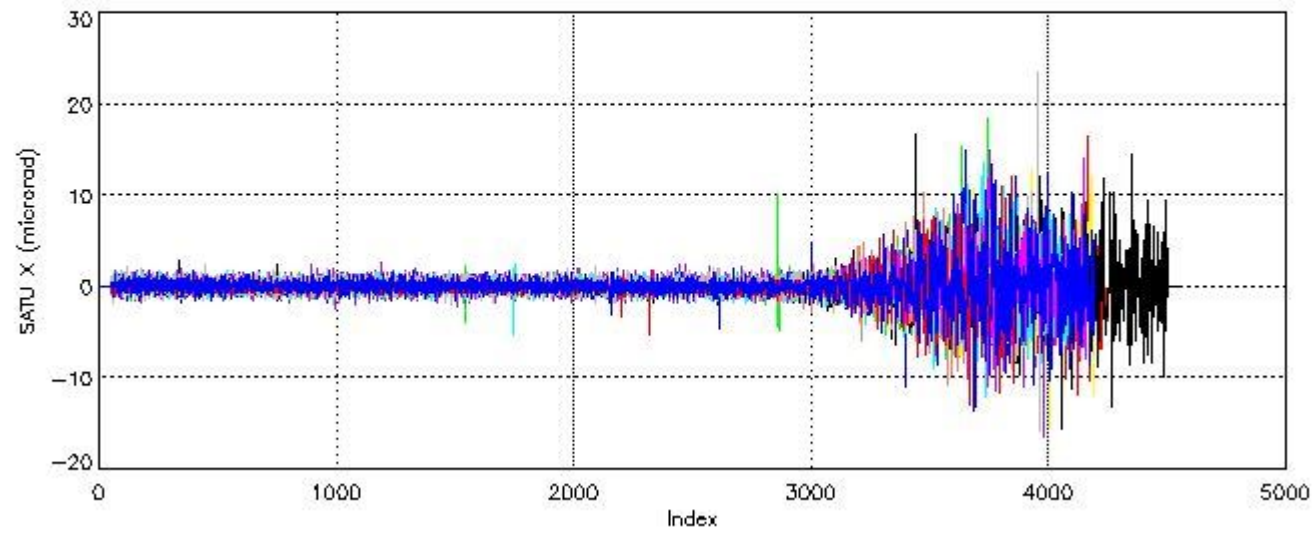


7. Star Acquisition and Tracking Unit (SATU)

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

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

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



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

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

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

7.2.1 SATU NEA Statistics (table)

Statistics	SATU X (D)	SATU Y (D)	SATU X (B)	SATU Y (B)
Mean:	0.014807	-1.3983	0.0075435	-1.3829
St. deviation:	0.42806	0.91490	0.86528	1.3233
Maximum:	2.7000	6.4000	5.8000	4.7000
Minimum:	-1.8000	-5.4000	-5.1000	-8.1000

Number of data:	10600.	10600.	17900.	17900.
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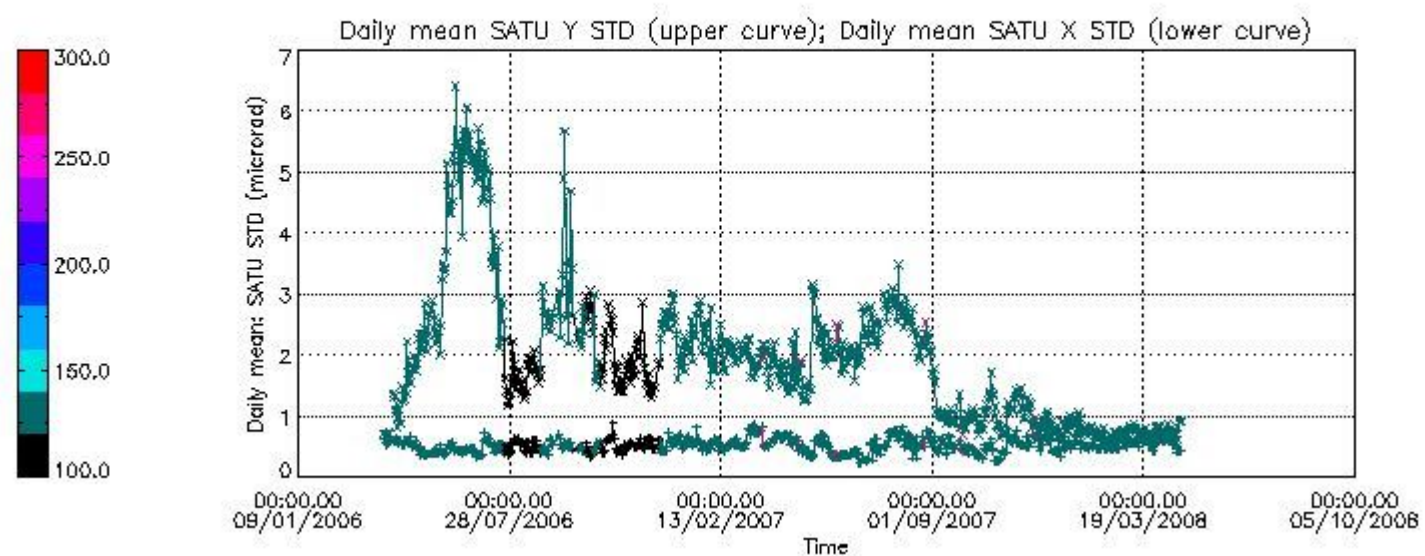
7.2.2 Trend of daily SATU NEA St. deviation since 1st April 2006 (dark limb)

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

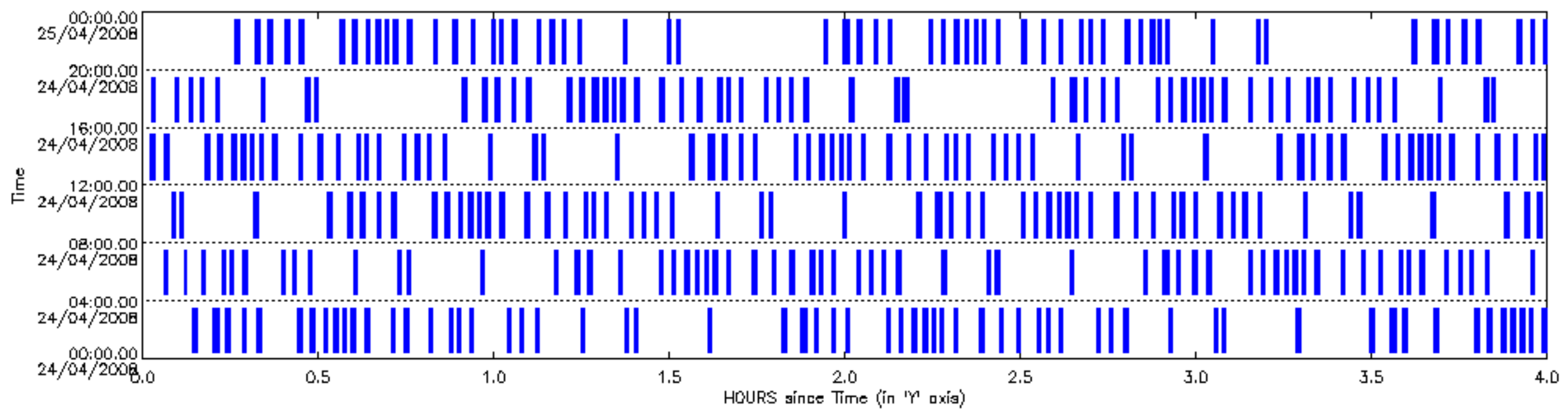
Lower curve: STD of SATU X axis

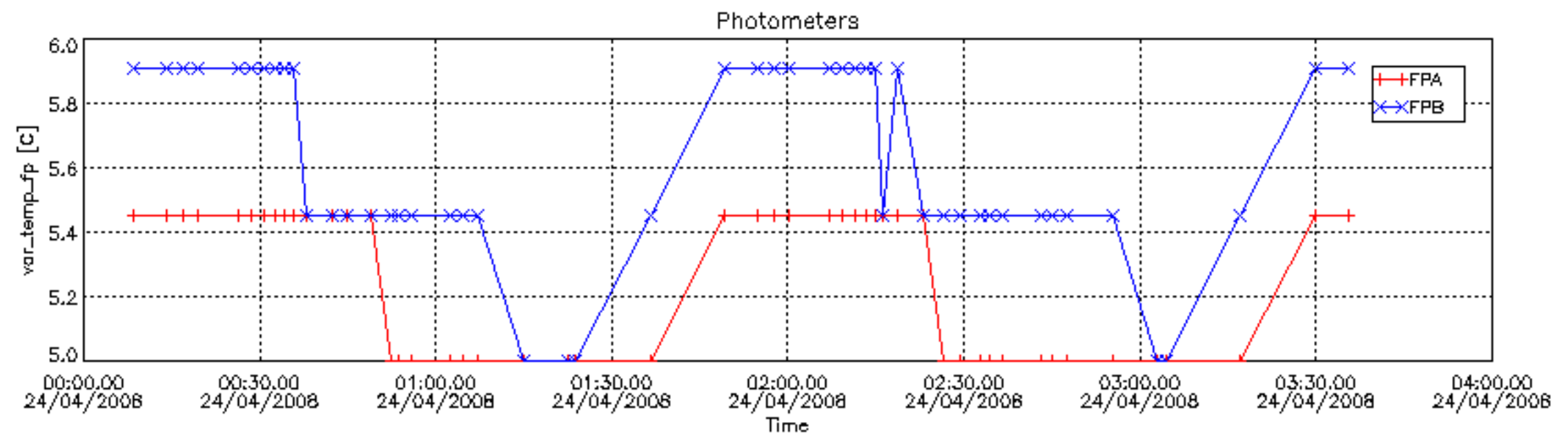
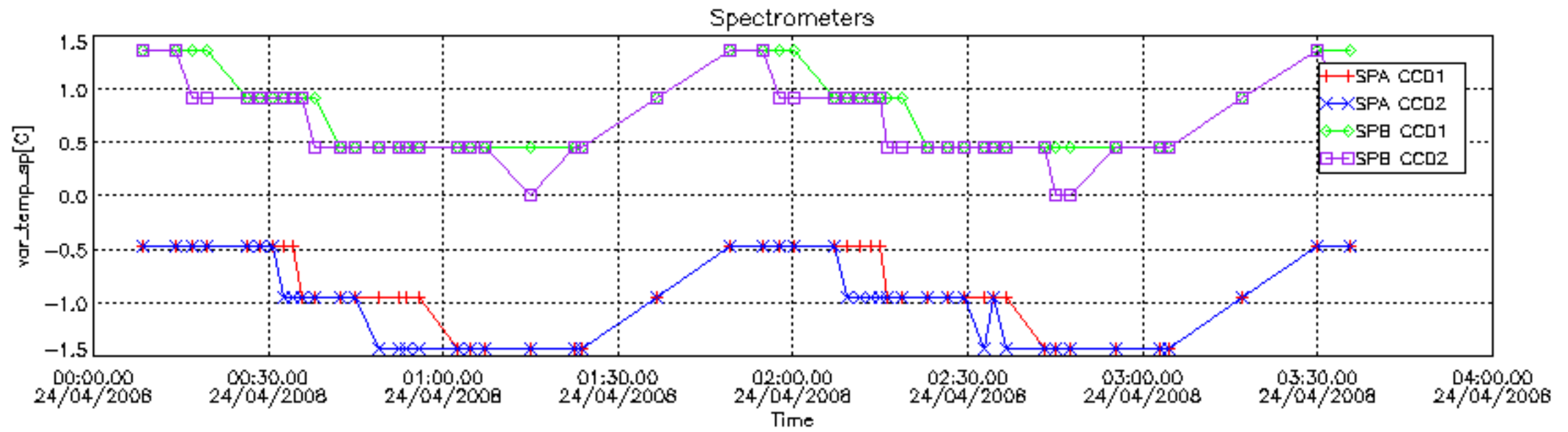


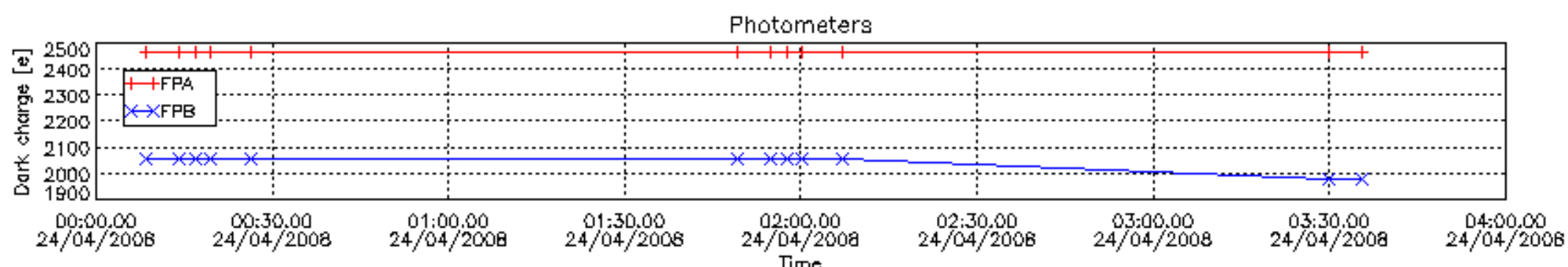
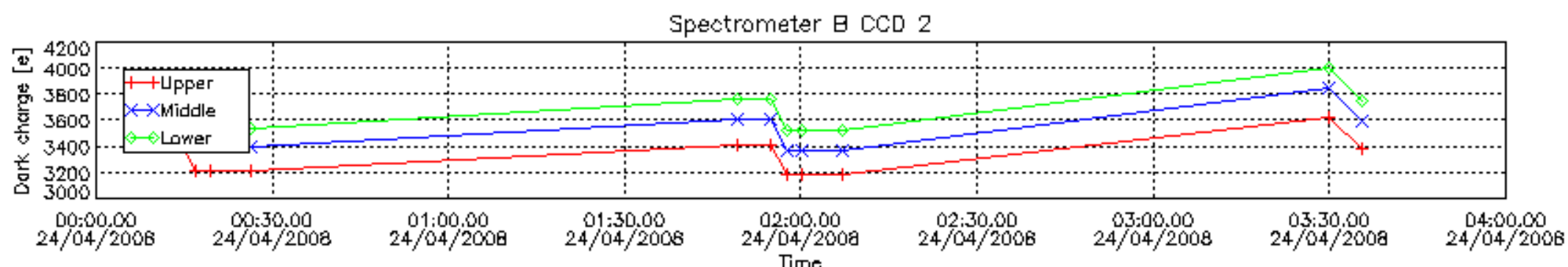
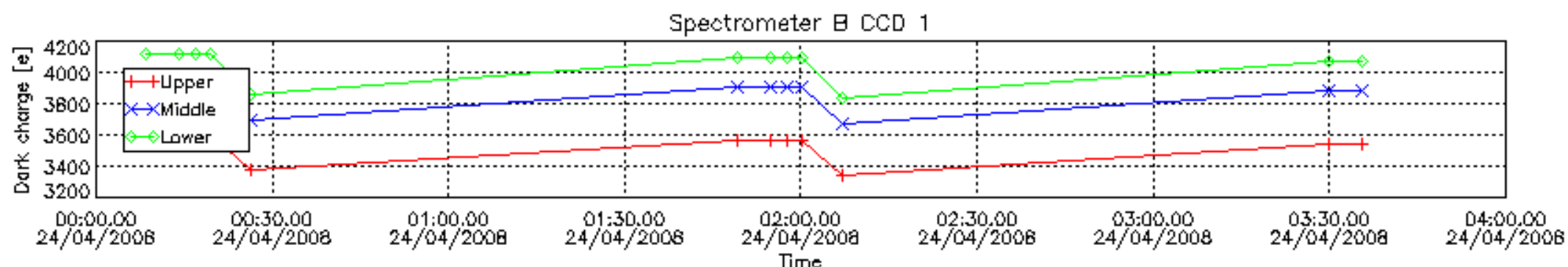
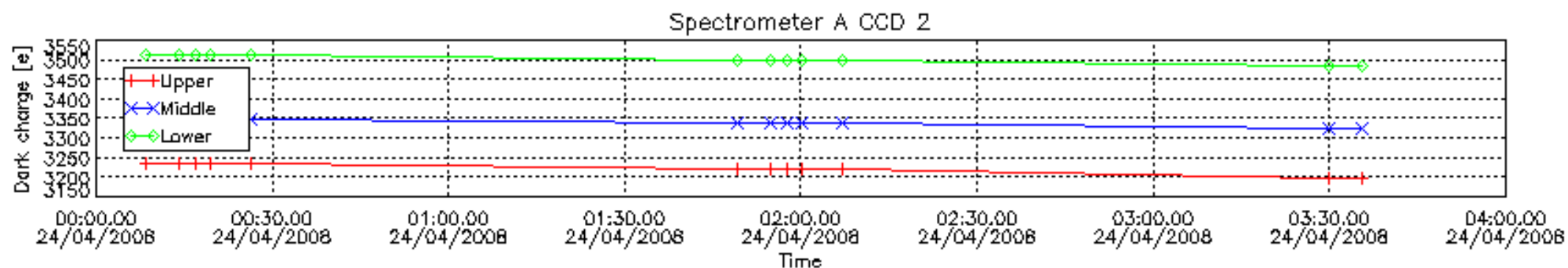
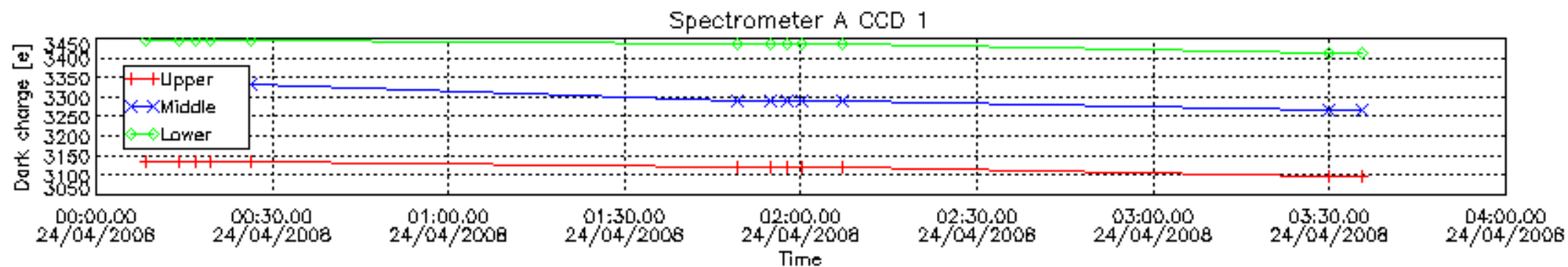
8. Auxiliary Data Files used for the production reported in section 2.4

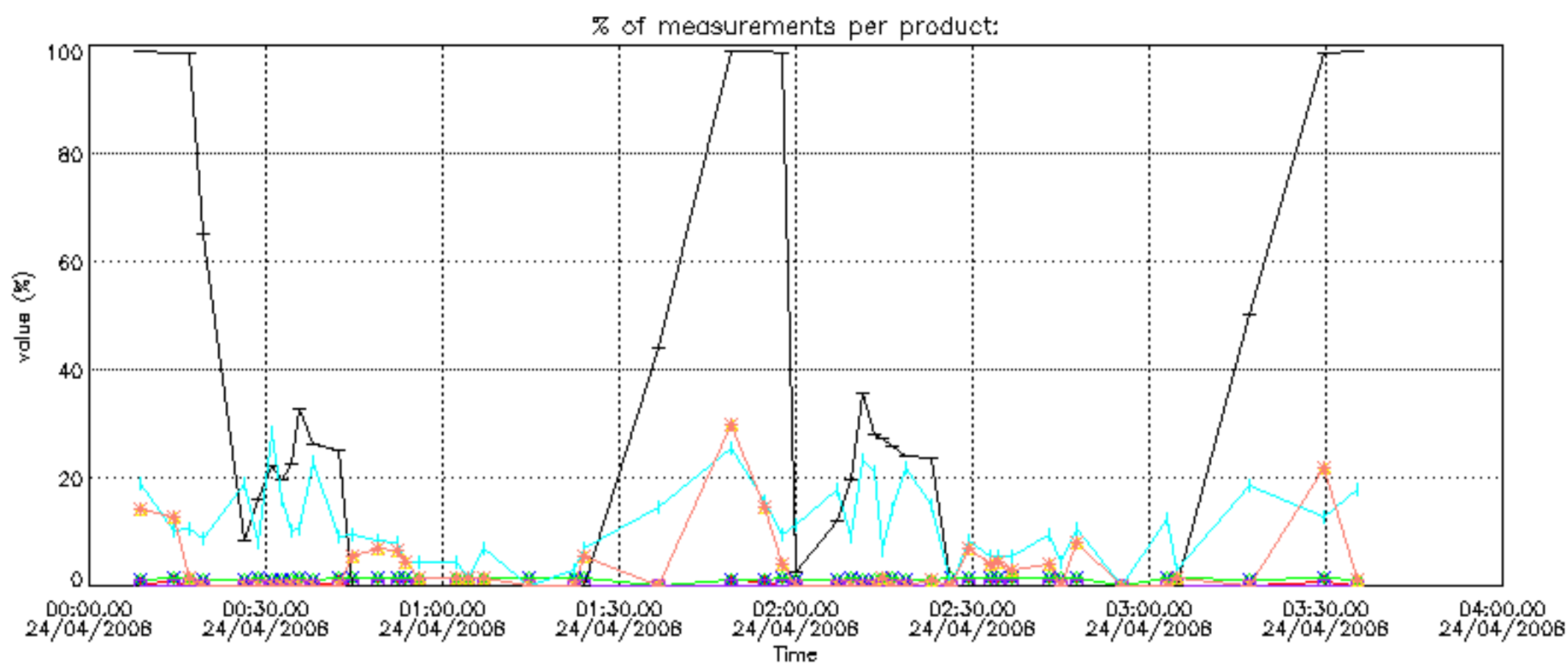
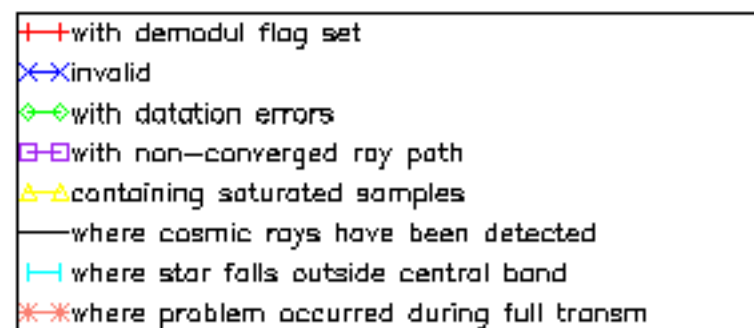
The number reported in the third column indicates since which file (see list in section 2.4) the corresponding auxiliary file has been used. The fourth column is the date of those product files.

Type	Auxiliary Filename	Used since product	Used since product date
INST_PHYS_CHARACTERISTICS	GOM_INS_AXNIEC20050627_150713_20030716_120000_20100101_000000	1	24-APR-2008 00:08:31
CALIBRATION_DATABASE	GOM_CAL_AXVIEC20080408_074258_20080406_000000_20100101_000000	1	24-APR-2008 00:08:31
LEVEL-1B_PROC_CONFIG	GOM_PR1_AXNIEC20050627_151042_20020301_000000_20100101_000000	1	24-APR-2008 00:08:31
STAR_CATALOGUE	GOM_CAT_AXVIEC20020121_161009_20020101_000000_20200101_000000	1	24-APR-2008 00:08:31
STELLAR_SPECTRA_DATABANK	GOM_STS_AXNIEC20040308_103538_20020101_160000_20100101_000000	1	24-APR-2008 00:08:31
ECMWF_FILE	AUX_ECF_AXNECM20080423_072113_20080423_210000_20080424_090000	1	24-APR-2008 00:08:31
ECMWF_FILE	AUX_ECF_AXNECM20080423_202115_20080424_030000_20080424_150000	46	24-APR-2008 03:03:03
OPTIONAL_ECMWF_FILE	MISSING	1	24-APR-2008 00:08:31
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20080423_221812_000060572068_00029_32147_5393.N1	1	24-APR-2008 00:08:31
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20080424_000428_000054192068_00030_32148_5394.N1	25	24-APR-2008 01:49:07
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20080424_014006_000041442068_00031_32149_5395.N1	46	24-APR-2008 03:03:03

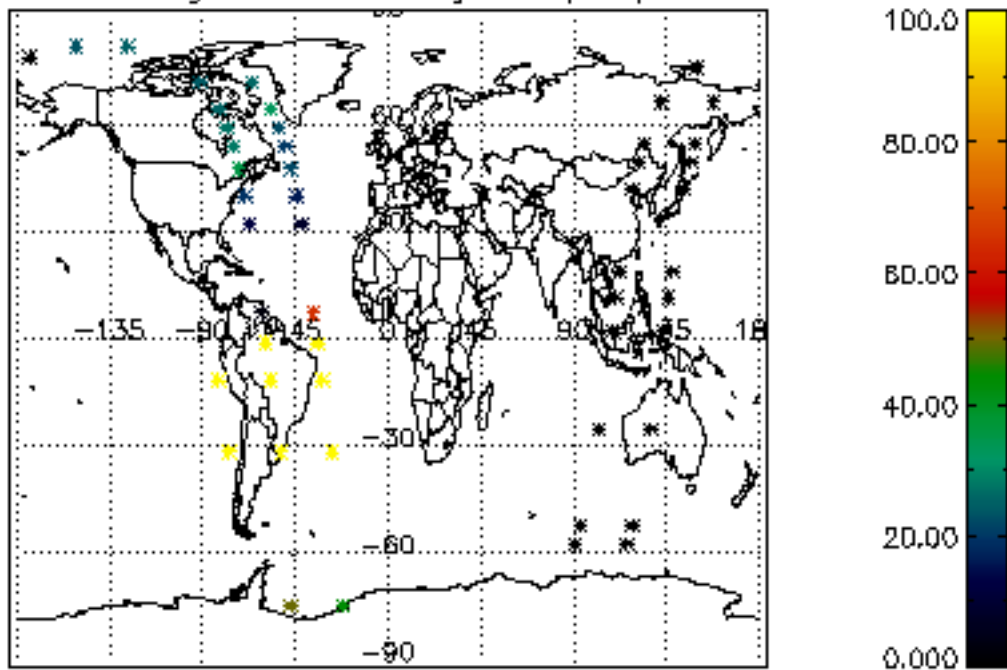




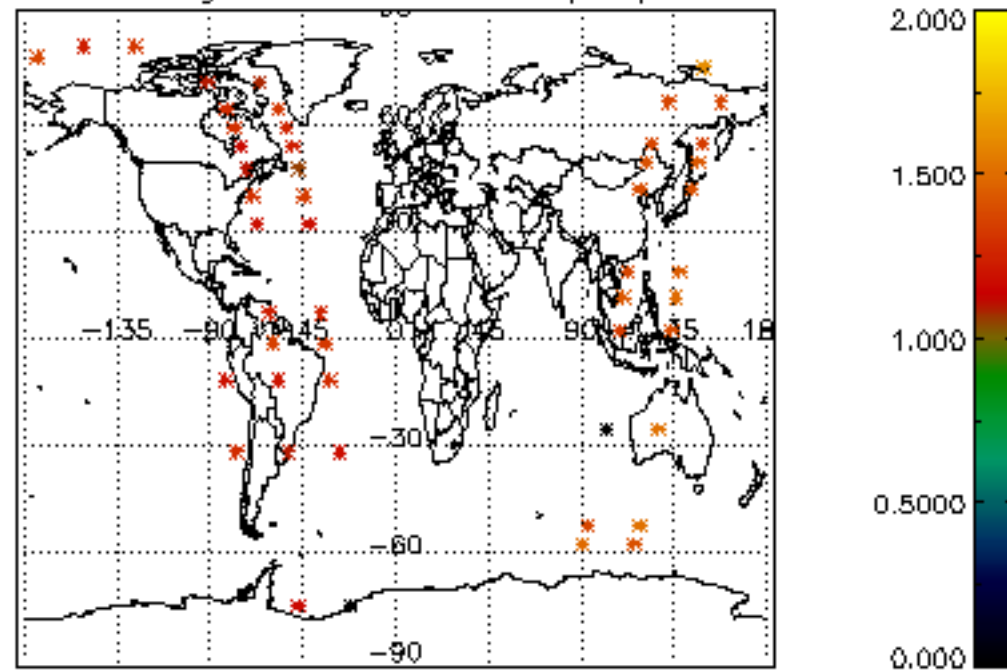




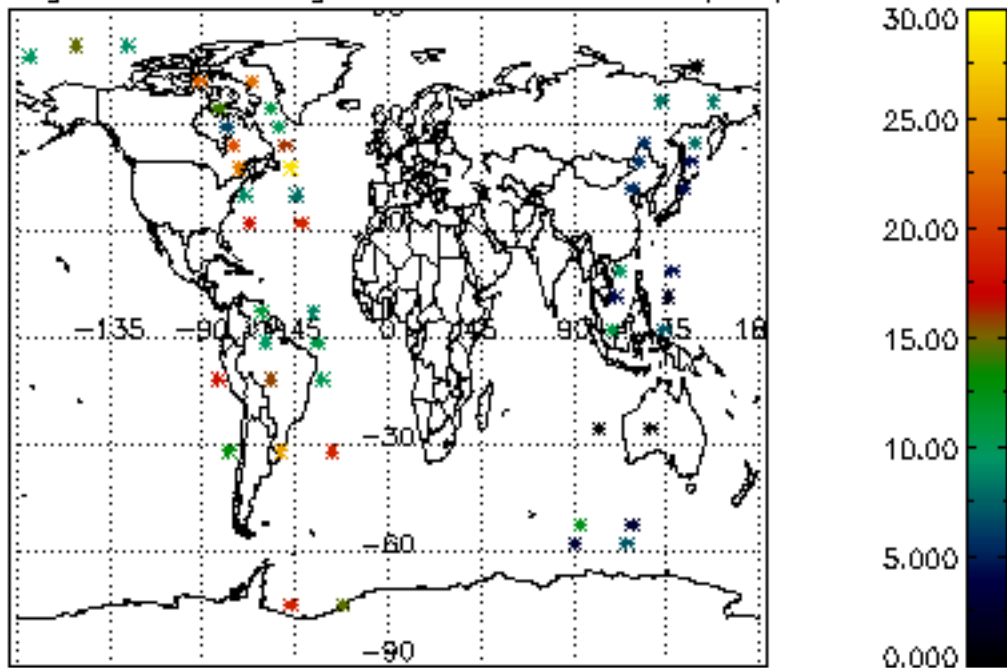
Percentage of cosmic ray hits per profile



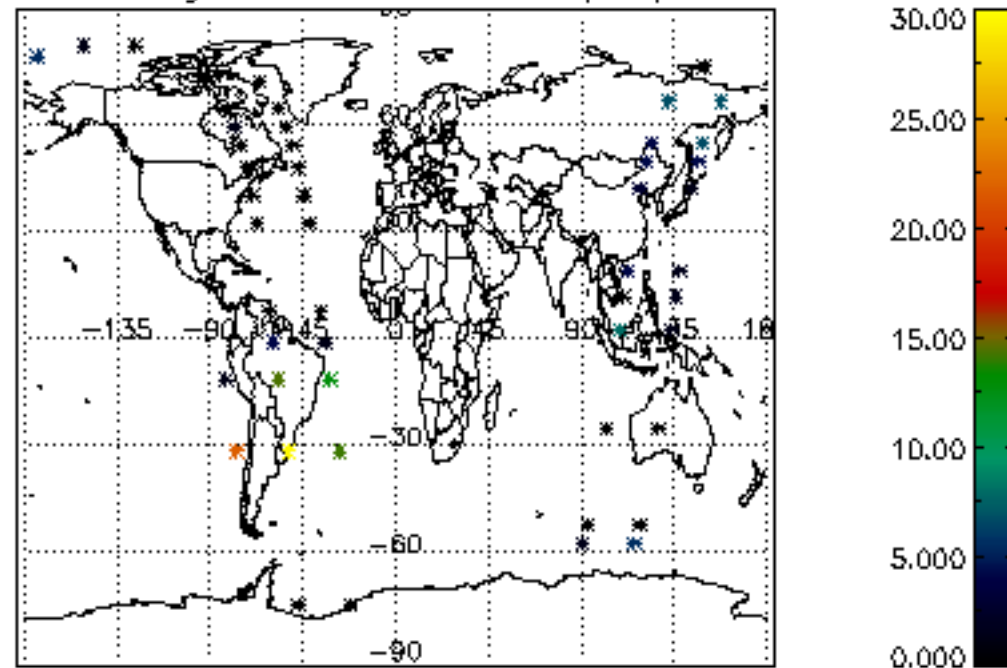
Percentage of datation errors per profile



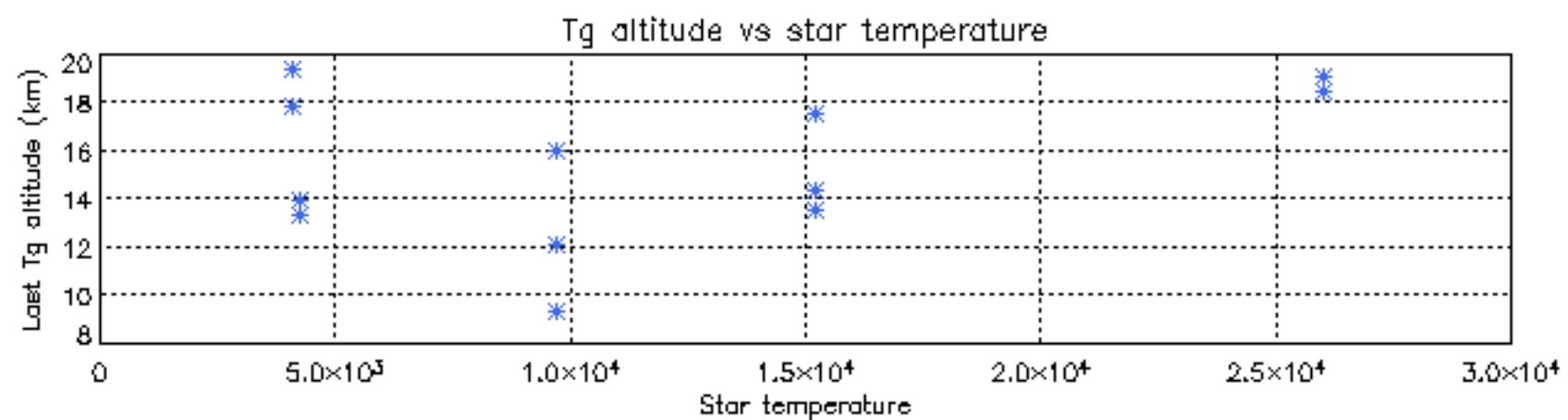
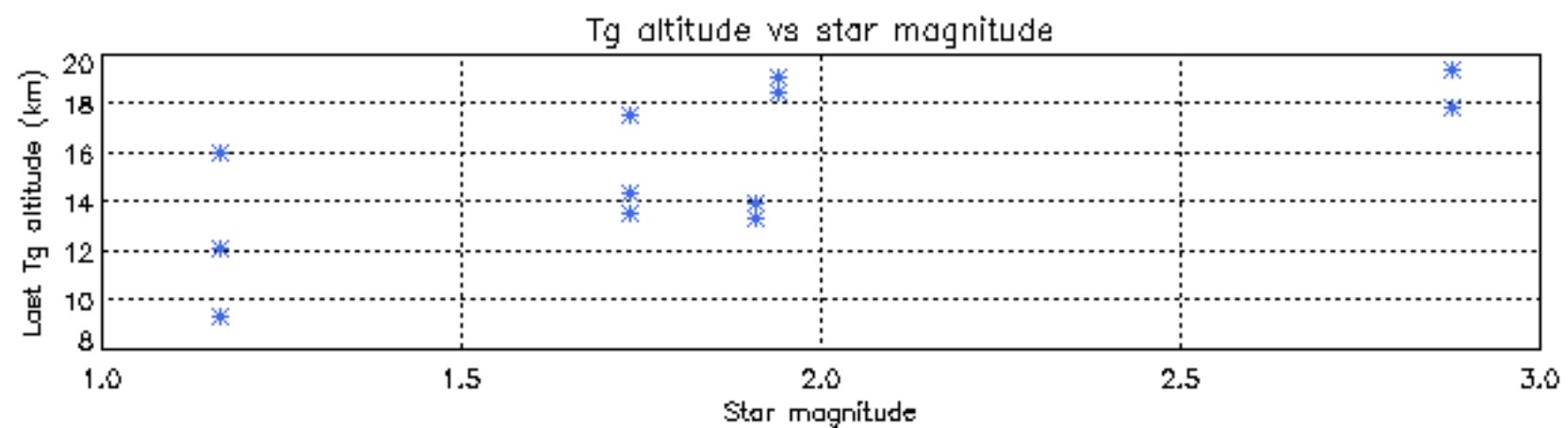
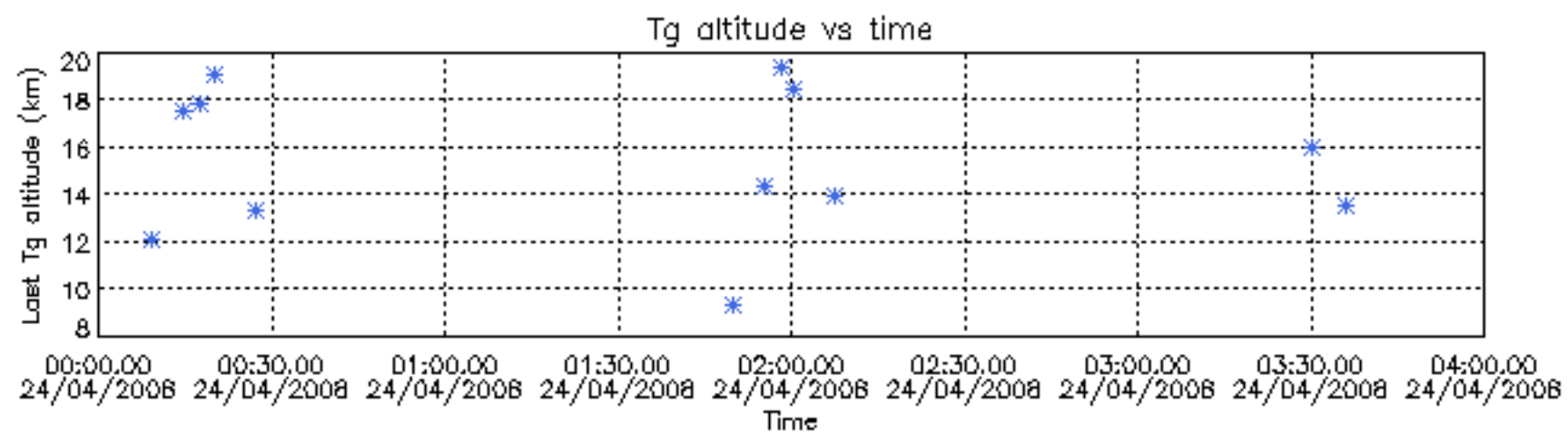
Percentage of star falling outside central band per profile



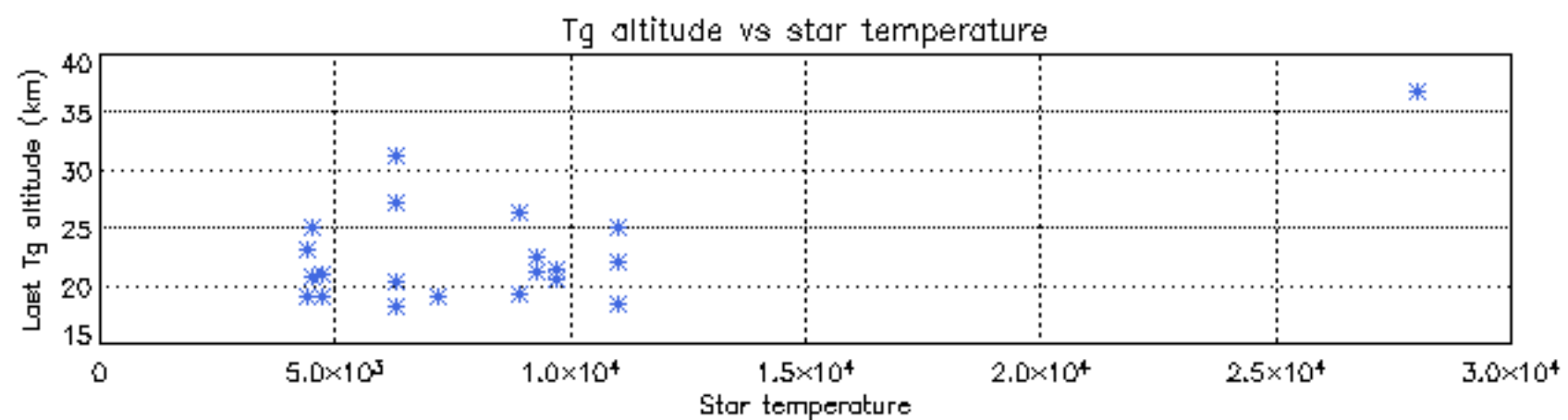
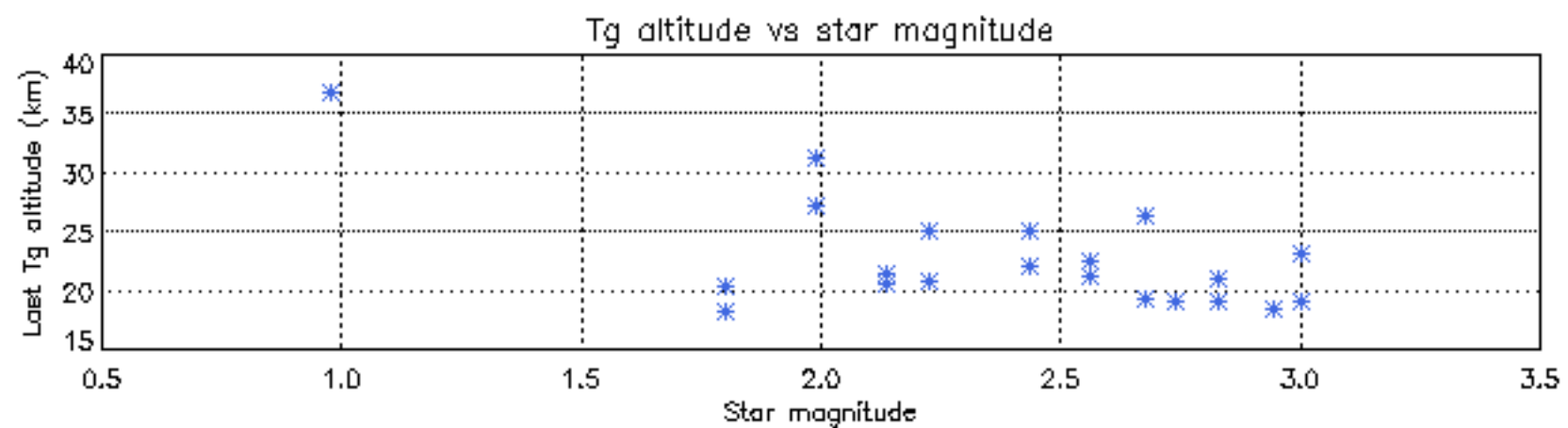
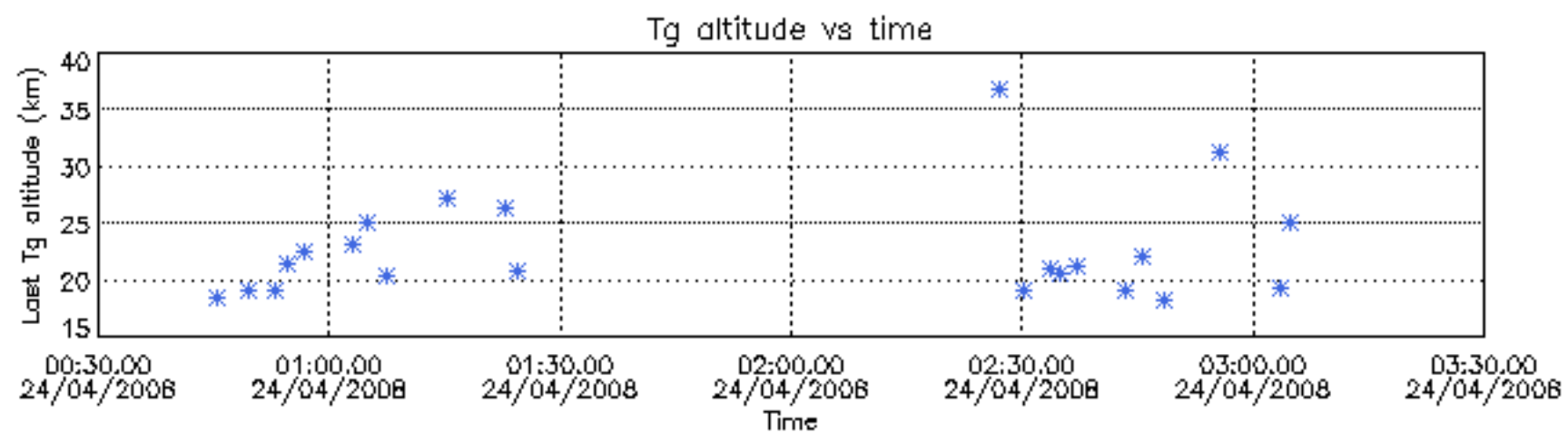
Percentage of saturation errors per profile

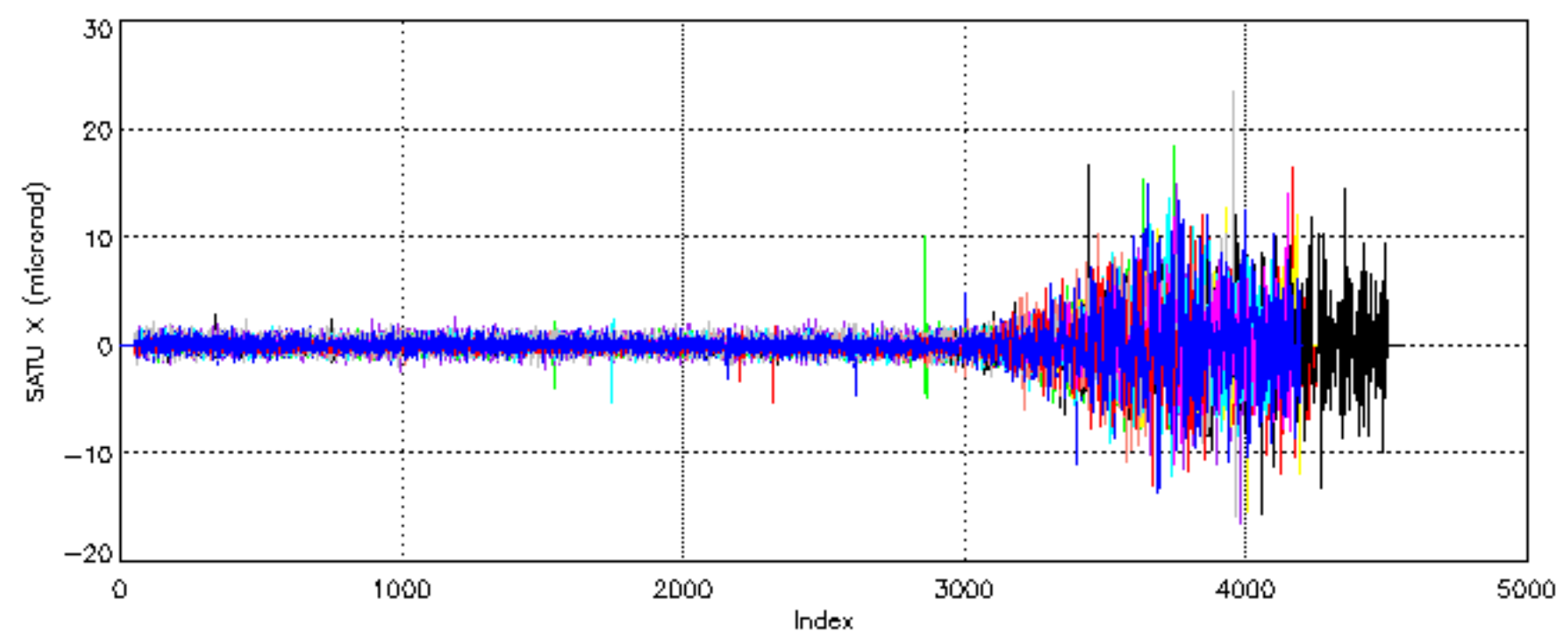


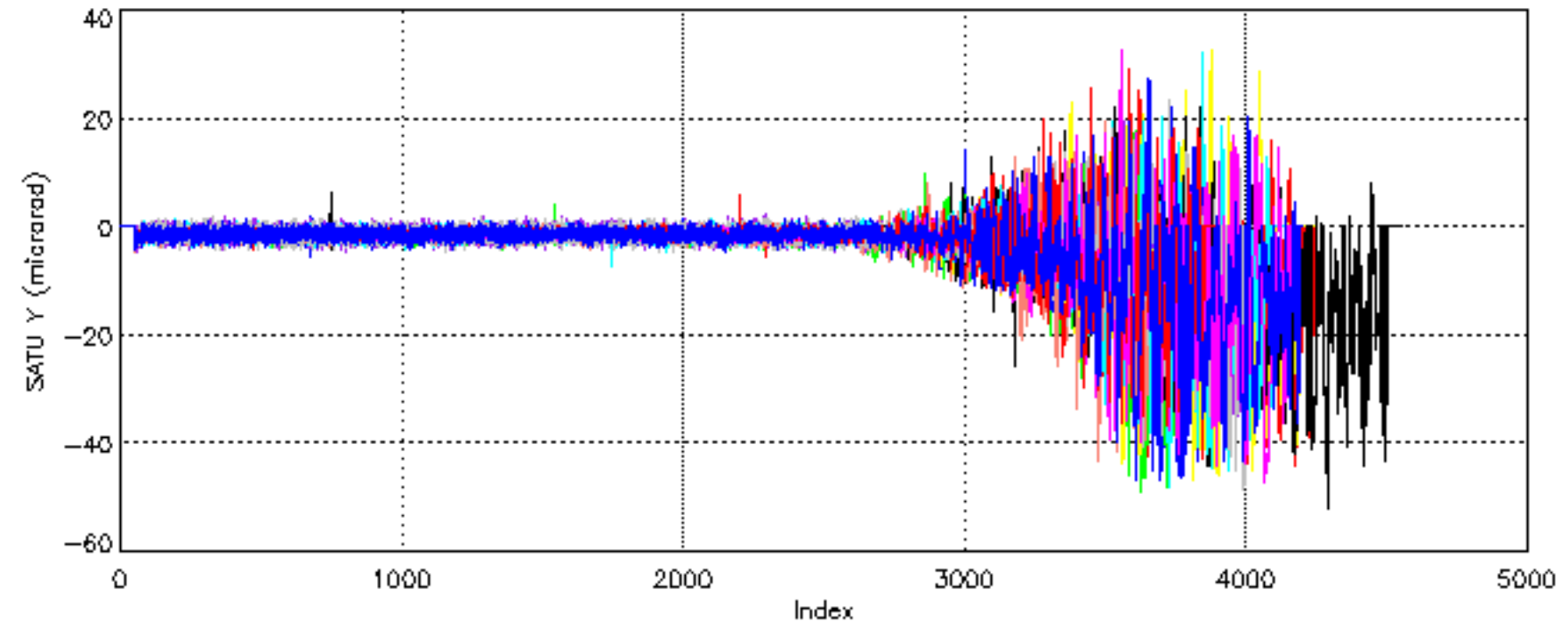
Tangent altitude at which the star is lost

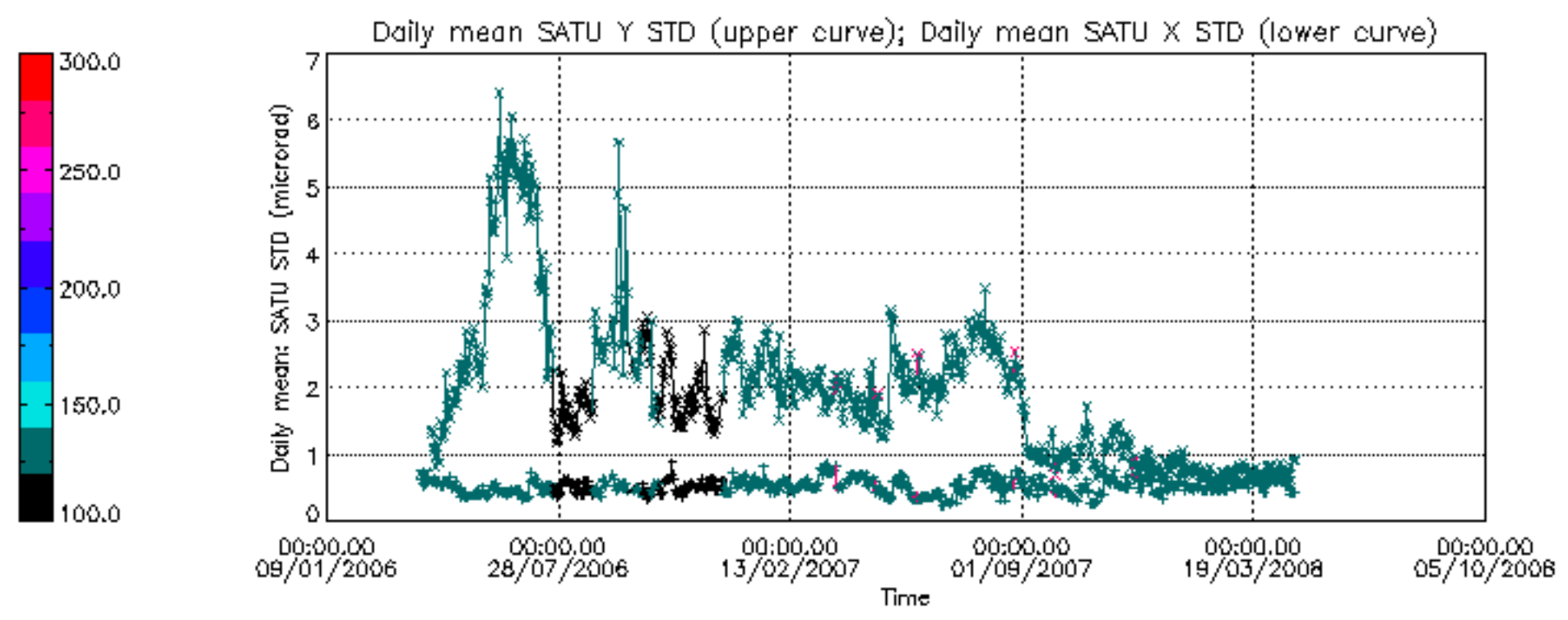


Tangent altitude at which the star is lost









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 2; 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
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 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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 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
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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
 15; 6557.8; 01-APR-2008 09:12:09; Dark ; 38.0; 134; Bet TrA ; 2.81; 6600;occ; 76; 0;31824
 16; 6715.7; 01-APR-2008 09:14:47; Dark ; 46.5; 4; Alp1Cen ;-0.01; 5800;occ; 93; 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
 21; 7498.5; 01-APR-2008 09:27:50; Dark ; 46.0; 106; 9Bet Crv ; 2.65; 5600;occ; 92; 0;31824
 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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 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
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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
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 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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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
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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
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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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5; 2665.9; 01-APR-2008 14:49:41; Bright; 34.0; 174; 52Psi UMa ; 3.00; 4400;occ; 68; 0;31828
6; 2845.8; 01-APR-2008 14:52:41; Bright; 35.5; 87; 64Gam UMa ; 2.43; 11000;occ; 71; 0;31828
7; 2957.7; 01-APR-2008 14:54:33; Bright; 37.5; 36; 50Alp UMa ; 1.80; 6300;occ; 75; 0;31828
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 9; 4842.5; 04-APR-2008 08:49:19; Dark ; 46.5; 61; 8Eps Peg ; 2.10; 3900;occ; 93; 0;31867


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13; 4994.3; 04-APR-2008 23:57:14; Dark ; 41.0; 162; 34Alp Aqr ; 2.94; 5350;occ; 82; 0;31876
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19; 6581.8; 04-APR-2008 16:00:42; Dark ; 41.0; 134; Bet TrA ; 2.81; 6600;occ; 82; 0;31871
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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
6; 2258.7; 04-APR-2008 18:09:51; Bright; 34.5; 96; 68Del Leo ; 2.56; 9300;occ; 69; 0;31873
7; 2664.3; 04-APR-2008 18:16:36; Bright; 35.0; 174; 52Psi UMa ; 3.00; 4400;occ; 70; 0;31873
8; 2836.7; 04-APR-2008 18:19:28; Bright; 54.0; 87; 64Gam UMa ; 2.43; 11000;occ; 108; 0;31873
9; 2955.9; 04-APR-2008 18:21:28; Bright; 37.0; 36; 50Alp UMa ; 1.80; 6300;occ; 74; 0;31873
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14; 4993.6; 04-APR-2008 18:55:25; Dark ; 39.5; 162; 34Alp Aqr ; 2.94; 5350;occ; 79; 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
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11; 3440.9; 04-APR-2008 20:10:09; Bright; 36.5; 49; 1Alp UMi ; 1.99; 6300;occ; 73; 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
 5; 1586.9; 04-APR-2008 21:19:51; Dark ; 40.0; 100; 4Gam Crv ; 2.58; 13100;occ; 80; 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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 11; 3318.5; 04-APR-2008 21:48:42; Bright; 39.0; 60; 7Bet UMi ; 2.08; 3950;occ; 78; 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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 21; 6467.4; 04-APR-2008 22:41:11; Dark ; 40.0; 43; Alp TrA ; 1.91; 4250;occ; 80; 0;31875
 22; 6583.5; 04-APR-2008 22:43:07; Dark ; 39.5; 134; Bet TrA ; 2.81; 6600;occ; 79; 0;31875
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 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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 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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 6; 2835.8; 05-APR-2008 01:01:51; Bright; 36.0; 87; 64Gam UMa ; 2.43; 11000;occ; 72; 0;31877
 7; 2955.6; 05-APR-2008 01:03:51; Bright; 37.0; 36; 50Alp UMa ; 1.80; 6300;occ; 74; 0;31877
 8; 3317.8; 05-APR-2008 01:09:53; Bright; 36.0; 60; 7Bet UMi ; 2.08; 3950;occ; 72; 0;31877
 9; 3440.9; 05-APR-2008 01:11:56; Bright; 35.0; 49; 1Alp UMi ; 1.99; 6300;occ; 70; 0;31877
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 13; 5127.3; 05-APR-2008 01:40:03; Dark ; 44.5; 154; 22Bet Aqr ; 2.90; 5700;occ; 89; 0;31877
 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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 18; 6584.5; 05-APR-2008 02:04:20; Dark ; 38.5; 134; Bet TrA ; 2.81; 6600;occ; 77; 0;31877
 19; 6739.3; 05-APR-2008 02:06:55; Dark ; 45.5; 4; Alp1Cen ; -0.01; 5800;occ; 91; 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
 24; 7508.6; 05-APR-2008 02:19:44; Dark ; 43.0; 106; 9Bet Crv ; 2.65; 5600;occ; 86; 0;31877

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4; 2258.7; 05-APR-2008 02:32:50; Bright; 35.0; 96; 68Del Leo ; 2.56; 9300;occ; 70; 0;31878
5; 2664.2; 05-APR-2008 02:39:35; Bright; 36.0; 174; 52Psi UMa ; 3.00; 4400;occ; 72; 0;31878
6; 2835.6; 05-APR-2008 02:42:27; Bright; 35.5; 87; 64Gam UMa ; 2.43; 11000;occ; 71; 0;31878
7; 2955.6; 05-APR-2008 02:44:27; Bright; 35.5; 36; 50Alp UMa ; 1.80; 6300;occ; 71; 0;31878
8; 3317.5; 05-APR-2008 02:50:29; Bright; 36.0; 60; 7Bet UMi ; 2.08; 3950;occ; 72; 0;31878
9; 3440.9; 05-APR-2008 02:52:32; Bright; 35.5; 49; 1Alp UMi ; 1.99; 6300;occ; 71; 0;31878
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11; 4845.8; 05-APR-2008 03:15:57; Dark ; 43.0; 61; 8Eps Peg ; 2.10; 3900;occ; 86; 0;31878
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13; 5128.0; 05-APR-2008 03:20:39; Dark ; 42.5; 154; 22Bet Aqr ; 2.90; 5700;occ; 85; 0;31878
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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
6; 1034.4; 05-APR-2008 05:33:38; Dark ; 39.0; 64; Gam Cen ; 2.20; 10600;occ; 78; 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
5; 2955.8; 05-APR-2008 06:05:39; Bright; 37.0; 36; 50Alp UMa ; 1.80; 6300;occ; 74; 0;31880
6; 3441.1; 05-APR-2008 06:13:44; Bright; 36.5; 49; 1Alp UMi ; 1.99; 6300;occ; 73; 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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 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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4; 2664.3; 06-APR-2008 12:11:34; Bright; 36.5; 174; 52Psi UMa ; 3.00; 4400;occ; 73; 0;31898
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8; 3860.5; 06-APR-2008 12:31:30; Bright; 33.5; 76; 27Gam Cas ; 2.30; 30000;occ; 67; 0;31898
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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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15; 5616.7; 06-APR-2008 13:00:46; Dark ; 38.0; 172; Gam Gru ; 3.00; 13100;occ; 76; 0;31898
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; 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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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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2;	-591.8;	08-APR-2008	00:10:28;	Dark	;	43.0;	18;	24Alp PsA	;	1.17;	9700;occ;	86;	0;	31919
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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2;	-591.7;	08-APR-2008	01:51:04;	Dark	;	42.0;	18;	24Alp PsA	;	1.17;	9700;occ;	84;	0;	31920
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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 2;-1577.2; 08-APR-2008 03:15:15; Bright; 38.5; 164; 44Eta Peg ; 2.95; 5400;occ; 77; 0;31921
 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
 8; -125.1; 08-APR-2008 03:39:27; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;31921
 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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 2;-2107.6; 08-APR-2008 04:47:00; Bright; 35.5; 74; 11Bet Cas ; 2.27; 6600;occ; 71; 0;31922
 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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 8; -275.6; 08-APR-2008 05:17:32; Dark ; 39.5; 31; Alp Gru ; 1.73; 15200;occ; 79; 0;31922
 9; -124.6; 08-APR-2008 05:20:03; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;31922
 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
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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
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 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
 8; -275.3; 08-APR-2008 06:58:09; Dark ; 40.5; 31; Alp Gru ; 1.73; 15200;occ; 81; 0;31923
 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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 2; 2262.4; 08-APR-2008 07:40:26; Bright; 35.5; 96; 68Del Leo ; 2.56; 9300;occ; 71; 0;31924
 3; 2664.9; 08-APR-2008 07:47:09; Bright; 36.0; 174; 52Psi UMa ; 3.00; 4400;occ; 72; 0;31924
 4; 2828.6; 08-APR-2008 07:49:52; Bright; 36.5; 87; 64Gam UMa ; 2.43; 11000;occ; 73; 0;31924
 5; 2955.7; 08-APR-2008 07:51:59; Bright; 37.0; 36; 50Alp UMa ; 1.80; 6300;occ; 74; 0;31924
 6; 3441.6; 08-APR-2008 08:00:05; Bright; 33.0; 49; 1Alp UMi ; 1.99; 6300;occ; 66; 0;31924
 7; 3845.5; 08-APR-2008 08:06:49; Bright; 36.5; 110; 37Del Cas ; 2.68; 8900;occ; 73; 0;31924
 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
 12; 5444.8; 08-APR-2008 08:33:29; Dark ; 40.0; 18; 24Alp PsA ; 1.17; 9700;occ; 80; 0;31924
 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
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 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
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 3; 2665.0; 08-APR-2008 09:27:45; Bright; 34.0; 174; 52Psi UMa ; 3.00; 4400;occ; 68; 0;31925
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 8; 4459.4; 08-APR-2008 09:57:39; Bright; 33.5; 164; 44Eta Peg ; 2.95; 5400;occ; 67; 0;31925
 9; 5009.8; 08-APR-2008 10:06:49; Dark ; 43.0; 162; 34Alp Aqr ; 2.94; 5350;occ; 86; 0;31925
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 11; 5444.9; 08-APR-2008 10:14:05; Dark ; 40.5; 18; 24Alp PsA ; 1.17; 9700;occ; 81; 0;31925
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 13; 5761.1; 08-APR-2008 10:19:21; Dark ; 42.5; 31; Alp Gru ; 1.73; 15200;occ; 85; 0;31925
 14; 5912.7; 08-APR-2008 10:21:52; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;31925
 15; 6038.3; 08-APR-2008 10:23:58; Dark ; 39.5; 45; Alp Pav ; 1.94; 26000;occ; 79; 0;31925
 16; 6488.4; 08-APR-2008 10:31:28; Dark ; 38.5; 43; Alp TrA ; 1.91; 4250;occ; 77; 0;31925
 17; 6608.2; 08-APR-2008 10:33:28; Dark ; 39.0; 134; Bet TrA ; 2.81; 6600;occ; 78; 0;31925
 18; 6759.7; 08-APR-2008 10:35:59; Dark ; 54.0; 4; Alp1Cen ; -0.01; 5800;occ; 108; 0;31925
 19; 6871.3; 08-APR-2008 10:37:51; Dark ; 41.5; 12; Alp1Cru ; 0.77; 30000;occ; 83; 0;31925
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 21; 7082.7; 08-APR-2008 10:41:22; Dark ; 37.0; 64; Gam Cen ; 2.20; 10600;occ; 74; 0;31925
 22; 7243.8; 08-APR-2008 10:44:03; Dark ; 28.0; 123; Iot Cen ; 2.75; 10200;occ; 56; 0;31925
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 13; 5626.2; 08-APR-2008 11:57:42; Dark ; 37.5; 172; Gam Gru ; 3.00; 13100;occ; 75; 0;31926
 14; 5761.3; 08-APR-2008 11:59:57; Dark ; 41.0; 31; Alp Gru ; 1.73; 15200;occ; 82; 0;31926
 15; 5913.2; 08-APR-2008 12:02:29; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;31926
 16; 6488.9; 08-APR-2008 12:12:04; Dark ; 41.5; 43; Alp TrA ; 1.91; 4250;occ; 83; 0;31926
 17; 6608.7; 08-APR-2008 12:14:04; Dark ; 37.5; 134; Bet TrA ; 2.81; 6600;occ; 75; 0;31926

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 19; 6871.4; 08-APR-2008 12:18:27; Dark ; 45.5; 12; Alp1Cru ; 0.77; 30000;occ; 91; 0;31926
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 22; 7244.2; 08-APR-2008 12:24:40; Dark ; 28.0; 123; Iot Cen ; 2.75; 10200;occ; 56; 0;31926
 23; 7517.7; 08-APR-2008 12:29:13; Dark ; 40.0; 106; 9Bet Crv ; 2.65; 5600;occ; 80; 0;31926
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 6; 2955.8; 08-APR-2008 12:53:47; Bright; 35.5; 36; 50Alp UMa ; 1.80; 6300;occ; 71; 0;31927
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 9; 3929.3; 08-APR-2008 13:10:01; Bright; 35.5; 74; 11Bet Cas ; 2.27; 6600;occ; 71; 0;31927
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 11; 5010.6; 08-APR-2008 13:28:02; Dark ; 41.0; 162; 34Alp Aqr ; 2.94; 5350;occ; 82; 0;31927
 12; 5299.5; 08-APR-2008 13:32:51; Dark ; 42.0; 142; 49Del Cap ; 2.85; 8900;occ; 84; 0;31927
 13; 5445.2; 08-APR-2008 13:35:17; Dark ; 39.0; 18; 24Alp PsA ; 1.17; 9700;occ; 78; 0;31927
 14; 5626.8; 08-APR-2008 13:38:18; Dark ; 37.5; 172; Gam Gru ; 3.00; 13100;occ; 75; 0;31927
 15; 5761.6; 08-APR-2008 13:40:33; Dark ; 37.5; 31; Alp Gru ; 1.73; 15200;occ; 75; 0;31927
 16; 5913.7; 08-APR-2008 13:43:05; Dark ; 59.0; 0; ; 0.00; 0;occ; 118; 0;31927
 17; 6489.4; 08-APR-2008 13:52:41; Dark ; 39.5; 43; Alp TrA ; 1.91; 4250;occ; 79; 0;31927
 18; 6609.2; 08-APR-2008 13:54:41; Dark ; 38.5; 134; Bet TrA ; 2.81; 6600;occ; 77; 0;31927
 19; 6760.7; 08-APR-2008 13:57:12; Dark ; 55.0; 4; Alp1Cen ; -0.01; 5800;occ; 110; 0;31927
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 21; 6962.5; 08-APR-2008 14:00:34; Dark ; 45.5; 26; Gam Cru ; 1.62; 2900;occ; 91; 0;31927
 22; 7083.4; 08-APR-2008 14:02:35; Dark ; 37.5; 64; Gam Cen ; 2.20; 10600;occ; 75; 0;31927
 23; 7244.4; 08-APR-2008 14:05:16; Dark ; 35.0; 123; Iot Cen ; 2.75; 10200;occ; 70; 0;31927
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 5; 2665.2; 08-APR-2008 14:29:32; Bright; 36.5; 174; 52Psi UMa ; 3.00; 4400;occ; 73; 0;31928
 6; 2828.2; 08-APR-2008 14:32:15; Bright; 35.5; 87; 64Gam UMa ; 2.43; 11000;occ; 71; 0;31928
 7; 2955.8; 08-APR-2008 14:34:23; Bright; 37.0; 36; 50Alp UMa ; 1.80; 6300;occ; 74; 0;31928
 8; 3441.7; 08-APR-2008 14:42:29; Bright; 35.5; 49; 1Alp UMi ; 1.99; 6300;occ; 71; 0;31928
 9; 3846.8; 08-APR-2008 14:49:14; Bright; 34.5; 110; 37Del Cas ; 2.68; 8900;occ; 69; 0;31928
 10; 3929.4; 08-APR-2008 14:50:37; Bright; 35.0; 74; 11Bet Cas ; 2.27; 6600;occ; 70; 0;31928
 11; 4460.0; 08-APR-2008 14:59:27; Bright; 46.0; 164; 44Eta Peg ; 2.95; 5400;occ; 92; 0;31928
 12; 5010.9; 08-APR-2008 15:08:38; Dark ; 41.0; 162; 34Alp Aqr ; 2.94; 5350;occ; 82; 0;31928
 13; 5300.1; 08-APR-2008 15:13:27; Dark ; 41.5; 142; 49Del Cap ; 2.85; 8900;occ; 83; 0;31928
 14; 5445.4; 08-APR-2008 15:15:53; Dark ; 43.0; 18; 24Alp PsA ; 1.17; 9700;occ; 86; 0;31928
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 17; 5762.0; 08-APR-2008 15:21:09; Dark ; 40.0; 31; Alp Gru ; 1.73; 15200;occ; 80; 0;31928
 18; 6039.8; 08-APR-2008 15:25:47; Dark ; 40.0; 45; Alp Pav ; 1.94; 26000;occ; 80; 0;31928
 19; 6489.9; 08-APR-2008 15:33:17; Dark ; 41.0; 43; Alp TrA ; 1.91; 4250;occ; 82; 0;31928
 20; 6609.6; 08-APR-2008 15:35:17; Dark ; 38.0; 134; Bet TrA ; 2.81; 6600;occ; 76; 0;31928
 21; 6761.1; 08-APR-2008 15:37:48; Dark ; 40.5; 4; Alp1Cen ; -0.01; 5800;occ; 81; 0;31928
 22; 6871.9; 08-APR-2008 15:39:39; Dark ; 45.0; 12; Alp1Cru ; 0.77; 30000;occ; 90; 0;31928
 23; 6962.8; 08-APR-2008 15:41:10; Dark ; 44.5; 26; Gam Cru ; 1.62; 2900;occ; 89; 0;31928
 24; 7083.6; 08-APR-2008 15:43:11; Dark ; 39.0; 64; Gam Cen ; 2.20; 10600;occ; 78; 0;31928
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 3; 1594.6; 08-APR-2008 15:52:18; Dark ; 41.0; 100; 4Gam Crv ; 2.58; 13100;occ; 82; 0;31929
 4; 2155.5; 08-APR-2008 16:01:39; Bright; 34.5; 62; 94Bet Leo ; 2.14; 9700;occ; 69; 0;31929
 5; 2262.9; 08-APR-2008 16:03:26; Bright; 34.0; 96; 68Del Leo ; 2.56; 9300;occ; 68; 0;31929
 6; 2665.3; 08-APR-2008 16:10:09; Bright; 51.5; 174; 52Psi UMa ; 3.00; 4400;occ; 103; 0;31929
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22; 6761.6; 08-APR-2008 17:18:25; Dark ; 47.0; 4; Alp1Cen ;-0.01; 5800;occ; 94; 0;31929
23; 6872.1; 08-APR-2008 17:20:15; Dark ; 38.0; 12; Alp1Cru ; 0.77; 30000;occ; 76; 0;31929
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 13; 1214.4; 09-APR-2008 21:56:44; Dark ; 41.0; 123; Tot Cen ; 2.75; 10200;occ; 82; 0;31947
 14; 1485.3; 09-APR-2008 22:01:15; Dark ; 42.5; 106; 9Bet Crv ; 2.65; 5600;occ; 85; 0;31947
 15; 1597.1; 09-APR-2008 22:03:07; Dark ; 37.5; 100; 4Gam Crv ; 2.58; 13100;occ; 75; 0;31947
 16; 2155.7; 09-APR-2008 22:12:26; Bright; 35.5; 62; 94Bet Leo ; 2.14; 9700;occ; 71; 0;31947
 17; 2264.8; 09-APR-2008 22:14:15; Bright; 46.0; 96; 68Del Leo ; 2.56; 9300;occ; 92; 0;31947
 18; 2666.1; 09-APR-2008 22:20:56; Bright; 52.0; 174; 52Psi UMA ; 3.00; 4400;occ; 104; 0;31947
 19; 2826.0; 09-APR-2008 22:23:36; Bright; 35.5; 87; 64Gam UMA ; 2.43; 11000;occ; 71; 0;31947
 20; 2956.1; 09-APR-2008 22:25:46; Bright; 36.0; 36; 50Alp UMA ; 1.80; 6300;occ; 72; 0;31947
 21; 3441.9; 09-APR-2008 22:33:52; Bright; 36.0; 49; 1Alp UMi ; 1.99; 6300;occ; 72; 0;31947
 22; 3852.2; 09-APR-2008 22:40:42; Bright; 37.0; 110; 37Del Cas ; 2.68; 8900;occ; 74; 0;31947
 23; 3932.6; 09-APR-2008 22:42:03; Bright; 33.0; 74; 11Bet Cas ; 2.27; 6600;occ; 66; 0;31947
 24; 4462.8; 09-APR-2008 22:50:53; Bright; 40.0; 164; 44Eta Peg ; 2.95; 5400;occ; 80; 0;31947
 25; 5017.3; 09-APR-2008 23:00:07; Dark ; 39.5; 162; 34Alp Aqr ; 2.94; 5350;occ; 79; 0;31947
 26; 5308.5; 09-APR-2008 23:04:58; Dark ; 24.0; 142; 49Del Cap ; 2.85; 8900;occ; 48; 0;31947

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 13; 1214.7; 09-APR-2008 23:37:21; Dark ; 40.5; 123; Tot Cen ; 2.75; 10200;occ; 81; 0;31948
 14; 1485.5; 09-APR-2008 23:41:51; Dark ; 40.5; 106; 9Bet Crv ; 2.65; 5600;occ; 81; 0;31948
 15; 1597.2; 09-APR-2008 23:43:43; Dark ; 40.0; 100; 4Gam Crv ; 2.58; 13100;occ; 80; 0;31948
 16; 2155.7; 09-APR-2008 23:53:01; Bright; 36.0; 62; 94Bet Leo ; 2.14; 9700;occ; 72; 0;31948
 17; 2265.0; 09-APR-2008 23:54:51; Bright; 35.0; 96; 68Del Leo ; 2.56; 9300;occ; 70; 0;31948
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 19; 2825.7; 10-APR-2008 00:04:12; Bright; 39.0; 87; 64Gam UMA ; 2.43; 11000;occ; 78; 0;31948
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 22; 3852.7; 10-APR-2008 00:21:19; Bright; 34.5; 110; 37Del Cas ; 2.68; 8900;occ; 69; 0;31948
 23; 3932.8; 10-APR-2008 00:22:39; Bright; 33.5; 74; 11Bet Cas ; 2.27; 6600;occ; 67; 0;31948
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 25; 5017.7; 10-APR-2008 00:40:44; Dark ; 43.5; 162; 34Alp Aqr ; 2.94; 5350;occ; 87; 0;31948
 26; 5309.1; 10-APR-2008 00:45:35; Dark ; 31.0; 142; 49Del Cap ; 2.85; 8900;occ; 62; 0;31948

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 11; 458.0; 09-APR-2008 08:19:21; Dark ; 43.0; 43; Alp TrA ; 1.91; 4250;occ; 86; 0;31939
 12; 578.5; 09-APR-2008 08:21:21; Dark ; 39.0; 134; Bet TrA ; 2.81; 6600;occ; 78; 0;31939
 13; 729.3; 09-APR-2008 08:23:52; Dark ; 43.5; 4; Alp1Cen ;-0.01; 5800;occ; 87; 0;31939
 14; 837.8; 09-APR-2008 08:25:40; Dark ; 37.0; 12; Alp1Cru ; 0.77; 30000;occ; 74; 0;31939
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 16; 1050.2; 09-APR-2008 08:29:13; Dark ; 40.5; 64; Gam Cen ; 2.20; 10600;occ; 81; 0;31939
 17; 1212.0; 09-APR-2008 08:31:55; Dark ; 41.0; 123; Tot Cen ; 2.75; 10200;occ; 82; 0;31939
 18; 1483.9; 09-APR-2008 08:36:27; Dark ; 42.5; 106; 9Bet Crv ; 2.65; 5600;occ; 85; 0;31939
 19; 1595.9; 09-APR-2008 08:38:18; Dark ; 39.0; 100; 4Gam Crv ; 2.58; 13100;occ; 78; 0;31939

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 3; 2665.6; 09-APR-2008 08:56:08; Bright; 34.0; 174; 52Psi UMa ; 3.00; 4400;occ; 68; 0;31939
 4; 2826.9; 09-APR-2008 08:58:49; Bright; 37.0; 87; 64Gam UMa ; 2.43; 11000;occ; 74; 0;31939
 5; 2956.0; 09-APR-2008 09:00:59; Bright; 37.5; 36; 50Alp UMa ; 1.80; 6300;occ; 75; 0;31939
 6; 3441.7; 09-APR-2008 09:09:04; Bright; 32.5; 49; 1Alp UMi ; 1.99; 6300;occ; 65; 0;31939
 7; 3849.9; 09-APR-2008 09:15:53; Bright; 34.5; 110; 37Del Cas ; 2.68; 8900;occ; 69; 0;31939
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 9; 4461.6; 09-APR-2008 09:26:04; Bright; 34.5; 164; 44Eta Peg ; 2.95; 5400;occ; 69; 0;31939
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 11; 5304.9; 09-APR-2008 09:40:07; Dark ; 41.0; 142; 49Del Cap ; 2.85; 8900;occ; 82; 0;31939
 12; 5446.8; 09-APR-2008 09:42:29; Dark ; 40.0; 18; 24Alp PsA ; 1.17; 9700;occ; 80; 0;31939
 13; 5631.0; 09-APR-2008 09:45:34; Dark ; 39.5; 172; Gam Gru ; 3.00; 13100;occ; 79; 0;31939
 14; 5764.7; 09-APR-2008 09:47:47; Dark ; 38.5; 31; Alp Gru ; 1.73; 15200;occ; 77; 0;31939
 15; 5919.4; 09-APR-2008 09:50:22; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;31939
 16; 6044.7; 09-APR-2008 09:52:27; Dark ; 39.5; 45; Alp Pav ; 1.94; 26000;occ; 79; 0;31939
 17; 6494.4; 09-APR-2008 09:59:57; Dark ; 39.0; 43; Alp TrA ; 1.91; 4250;occ; 78; 0;31939
 18; 6614.9; 09-APR-2008 10:01:57; Dark ; 38.0; 134; Bet TrA ; 2.81; 6600;occ; 76; 0;31939
 19; 6765.5; 09-APR-2008 10:04:28; Dark ; 53.5; 4; Alp1Cen ;-0.01; 5800;occ; 107; 0;31939
 20; 6873.9; 09-APR-2008 10:06:16; Dark ; 39.0; 12; Alp1Cru ; 0.77; 30000;occ; 78; 0;31939
 21; 6965.1; 09-APR-2008 10:07:48; Dark ; 44.0; 26; Gam Cru ; 1.62; 2900;occ; 88; 0;31939
 22; 7086.3; 09-APR-2008 10:09:49; Dark ; 41.5; 64; Gam Cen ; 2.20; 10600;occ; 83; 0;31939
 23; 7248.1; 09-APR-2008 10:12:31; Dark ; 38.0; 123; Tot Cen ; 2.75; 10200;occ; 76; 0;31939
 24; 7520.0; 09-APR-2008 10:17:03; Dark ; 42.5; 106; 9Bet Crv ; 2.65; 5600;occ; 85; 0;31939
 25; 7631.9; 09-APR-2008 10:18:54; Dark ; 39.5; 100; 4Gam Crv ; 2.58; 13100;occ; 79; 0;31939

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 3; 2665.6; 09-APR-2008 10:36:44; Bright; 34.0; 174; 52Psi UMa ; 3.00; 4400;occ; 68; 0;31940
 4; 2826.9; 09-APR-2008 10:39:25; Bright; 35.5; 87; 64Gam UMa ; 2.43; 11000;occ; 71; 0;31940
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 6; 3441.7; 09-APR-2008 10:49:40; Bright; 35.5; 49; 1Alp UMi ; 1.99; 6300;occ; 71; 0;31940
 7; 3850.2; 09-APR-2008 10:56:29; Bright; 34.0; 110; 37Del Cas ; 2.68; 8900;occ; 68; 0;31940
 8; 3931.5; 09-APR-2008 10:57:50; Bright; 33.0; 74; 11Bet Cas ; 2.27; 6600;occ; 66; 0;31940
 9; 4461.7; 09-APR-2008 11:06:40; Bright; 34.5; 164; 44Eta Peg ; 2.95; 5400;occ; 69; 0;31940
 10; 5014.8; 09-APR-2008 11:15:53; Dark ; 43.0; 162; 34Alp Aqr ; 2.94; 5350;occ; 86; 0;31940
 11; 5305.4; 09-APR-2008 11:20:44; Dark ; 39.5; 142; 49Del Cap ; 2.85; 8900;occ; 79; 0;31940
 12; 5447.0; 09-APR-2008 11:23:05; Dark ; 41.5; 18; 24Alp PsA ; 1.17; 9700;occ; 83; 0;31940
 13; 5631.4; 09-APR-2008 11:26:10; Dark ; 37.0; 172; Gam Gru ; 3.00; 13100;occ; 74; 0;31940
 14; 5764.8; 09-APR-2008 11:28:23; Dark ; 41.5; 31; Alp Gru ; 1.73; 15200;occ; 83; 0;31940
 15; 5919.9; 09-APR-2008 11:30:58; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;31940
 16; 6045.3; 09-APR-2008 11:33:04; Dark ; 39.5; 45; Alp Pav ; 1.94; 26000;occ; 79; 0;31940
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 18; 6615.4; 09-APR-2008 11:42:34; Dark ; 39.0; 134; Bet TrA ; 2.81; 6600;occ; 78; 0;31940
 19; 6766.0; 09-APR-2008 11:45:04; Dark ; 42.0; 4; Alp1Cen ;-0.01; 5800;occ; 84; 0;31940
 20; 6874.0; 09-APR-2008 11:46:52; Dark ; 41.0; 12; Alp1Cru ; 0.77; 30000;occ; 82; 0;31940
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 22; 7086.5; 09-APR-2008 11:50:25; Dark ; 40.5; 64; Gam Cen ; 2.20; 10600;occ; 81; 0;31940
 23; 7248.3; 09-APR-2008 11:53:07; Dark ; 40.5; 123; Tot Cen ; 2.75; 10200;occ; 81; 0;31940
 24; 7520.1; 09-APR-2008 11:57:39; Dark ; 40.5; 106; 9Bet Crv ; 2.65; 5600;occ; 81; 0;31940
 25; 7632.1; 09-APR-2008 11:59:31; Dark ; 38.5; 100; 4Gam Crv ; 2.58; 13100;occ; 77; 0;31940

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4;	2665.7;	09-APR-2008	12:17:20;	Bright;	35.5;	174;	52Psi UMa	;	3.00;	4400;occ;	71;	0;	31941	
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7;	3441.8;	09-APR-2008	12:30:16;	Bright;	35.0;	49;	1Alp UMi	;	1.99;	6300;occ;	70;	0;	31941	
8;	3850.6;	09-APR-2008	12:37:05;	Bright;	33.5;	110;	37Del Cas	;	2.68;	8900;occ;	67;	0;	31941	
9;	3931.7;	09-APR-2008	12:38:26;	Bright;	35.0;	74;	11Bet Cas	;	2.27;	6600;occ;	70;	0;	31941	
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16;	5920.4;	09-APR-2008	13:11:35;	Dark	;	59.5;	0;		;	0.00;	0;occ;	119;	0;	31941
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19;	6615.9;	09-APR-2008	13:23:10;	Dark	;	41.0;	134;	Bet TrA	;	2.81;	6600;occ;	82;	0;	31941
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21;	6874.2;	09-APR-2008	13:27:28;	Dark	;	38.0;	12;	Alp1Cru	;	0.77;	30000;occ;	76;	0;	31941
22;	6965.5;	09-APR-2008	13:29:00;	Dark	;	48.5;	26;	Gam Cru	;	1.62;	2900;occ;	97;	0;	31941
23;	7086.8;	09-APR-2008	13:31:01;	Dark	;	38.5;	64;	Gam Cen	;	2.20;	10600;occ;	77;	0;	31941
24;	7248.7;	09-APR-2008	13:33:43;	Dark	;	42.0;	123;	Iot Cen	;	2.75;	10200;occ;	84;	0;	31941
25;	7520.3;	09-APR-2008	13:38:15;	Dark	;	44.5;	106;	9Bet Crv	;	2.65;	5600;occ;	89;	0;	31941
26;	7632.3;	09-APR-2008	13:40:07;	Dark	;	16.5;	100;	4Gam Crv	;	2.58;	13100;occ;	33;	0;	31941
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4;	2665.8;	09-APR-2008	13:57:56;	Bright;	36.0;	174;	52Psi UMa	;	3.00;	4400;occ;	72;	0;	31942	
5;	2826.6;	09-APR-2008	14:00:37;	Bright;	37.0;	87;	64Gam UMa	;	2.43;	11000;occ;	74;	0;	31942	
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9;	3931.9;	09-APR-2008	14:19:02;	Bright;	35.0;	74;	11Bet Cas	;	2.27;	6600;occ;	70;	0;	31942	
10;	4462.1;	09-APR-2008	14:27:52;	Bright;	35.0;	164;	44Eta Peg	;	2.95;	5400;occ;	70;	0;	31942	
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4; 2673.7; 15-APR-2008 07:27:09; Bright; 35.5; 174; 52Psi UMa ; 3.00; 4400;occ; 71; 0;32024
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5; 2674.0; 15-APR-2008 10:48:21; Bright; 36.0; 174; 52Psi UMa ; 3.00; 4400;occ; 72; 0;32026
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 6; 2674.5; 15-APR-2008 14:09:34; Bright; 36.0; 174; 52Psi UMa ; 3.00; 4400;occ; 72; 0;32028
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4; 2678.1; 17-APR-2008 08:04:35; Bright; 37.5; 174; 52Psi UMa ; 3.00; 4400;occ; 75; 0;32053
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7; 3443.0; 17-APR-2008 08:17:20; Bright; 35.0; 49; 1Alp UMi ; 1.99; 6300;occ; 70; 0;32053
8; 3880.4; 17-APR-2008 08:24:38; Bright; 34.5; 110; 37Del Cas ; 2.68; 8900;occ; 69; 0;32053
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12; 5366.1; 17-APR-2008 08:49:23; Dark ; 45.5; 142; 49Del Cap ; 2.85; 8900;occ; 91; 0;32053
13; 5470.5; 17-APR-2008 08:51:08; Dark ; 38.5; 18; 24Alp PsA ; 1.17; 9700;occ; 77; 0;32053
14; 5575.2; 17-APR-2008 08:52:52; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;32053
15; 5680.0; 17-APR-2008 08:54:37; Dark ; 38.5; 172; Gam Gru ; 3.00; 13100;occ; 77; 0;32053
16; 5800.5; 17-APR-2008 08:56:38; Dark ; 37.0; 31; Alp Gru ; 1.73; 15200;occ; 74; 0;32053
17; 5989.8; 17-APR-2008 08:59:47; Dark ; 39.0; 148; Alp Tuc ; 2.88; 4100;occ; 78; 0;32053
18; 6103.0; 17-APR-2008 09:01:40; Dark ; 41.5; 45; Alp Pav ; 1.94; 26000;occ; 83; 0;32053
19; 6540.9; 17-APR-2008 09:08:58; Dark ; 42.0; 43; Alp TrA ; 1.91; 4250;occ; 84; 0;32053
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21; 6809.2; 17-APR-2008 09:13:26; Dark ; 50.5; 4; Alp1Cen ;-0.01; 5800;occ; 101; 0;32053
22; 6934.8; 17-APR-2008 09:15:32; Dark ; 39.0; 20; Bet Cru ; 1.25; 30000;occ; 78; 0;32053
23; 7112.1; 17-APR-2008 09:18:29; Dark ; 38.5; 64; Gam Cen ; 2.20; 10600;occ; 77; 0;32053
24; 7236.8; 17-APR-2008 09:20:34; Dark ; 45.5; 54; 5The Cen ; 2.06; 4500;occ; 91; 0;32053
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3; 2283.5; 17-APR-2008 09:38:37; Bright; 35.5; 96; 68Del Leo ; 2.56; 9300;occ; 71; 0;32054
4; 2582.4; 17-APR-2008 09:43:35; Bright; 33.0; 152; 12Alp2CVn ; 2.89; 11000;occ; 66; 0;32054
5; 2678.3; 17-APR-2008 09:45:11; Bright; 34.0; 174; 52Psi UMa ; 3.00; 4400;occ; 68; 0;32054
6; 2819.5; 17-APR-2008 09:47:33; Bright; 35.0; 87; 64Gam UMa ; 2.43; 11000;occ; 70; 0;32054
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13; 5366.7; 17-APR-2008 10:30:00; Dark ; 43.5; 142; 49Del Cap ; 2.85; 8900;occ; 87; 0;32054
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19; 6103.5; 17-APR-2008 10:42:17; Dark ; 44.5; 45; Alp Pav ; 1.94; 26000;occ; 89; 0;32054
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22; 6809.6; 17-APR-2008 10:54:03; Dark ; 50.5; 4; Alp1Cen ;-0.01; 5800;occ; 101; 0;32054
23; 6934.9; 17-APR-2008 10:56:08; Dark ; 40.0; 20; Bet Cru ; 1.25; 30000;occ; 80; 0;32054
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26; 7540.1; 17-APR-2008 11:06:13; Dark ; 39.5; 106; 9Bet Crv ; 2.65; 5600;occ; 79; 0;32054
27; 7658.9; 17-APR-2008 11:08:12; Bright; 35.5; 163; 7Del Crv ; 2.94; 11000;occ; 71; 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
13;	5367.3;	17-APR-2008	12:10:36;	Dark	; 43.0;	142;	49Del Cap	; 2.85;	8900;occ;	86;	0;	32055
14;	5471.0;	17-APR-2008	12:12:20;	Dark	; 45.0;	18;	24Alp PsA	; 1.17;	9700;occ;	90;	0;	32055
15;	5576.0;	17-APR-2008	12:14:05;	Dark	; 59.5;	0;		; 0.00;	0;occ;	119;	0;	32055
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
6;	2678.6;	17-APR-2008	13:06:23;	Bright;	37.0;	174;	52Psi UMa	; 3.00;	4400;occ;	74;	0;	32056
7;	2819.5;	17-APR-2008	13:08:44;	Bright;	35.5;	87;	64Gam UMa	; 2.43;	11000;occ;	71;	0;	32056
8;	2963.7;	17-APR-2008	13:11:09;	Bright;	36.0;	36;	50Alp UMa	; 1.80;	6300;occ;	72;	0;	32056
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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13;	5062.4;	17-APR-2008	13:46:07;	Dark	; 45.0;	162;	34Alp Aqr	; 2.94;	5350;occ;	90;	0;	32056
14;	5368.0;	17-APR-2008	13:51:13;	Dark	; 45.5;	142;	49Del Cap	; 2.85;	8900;occ;	91;	0;	32056
15;	5471.4;	17-APR-2008	13:52:56;	Dark	; 42.5;	18;	24Alp PsA	; 1.17;	9700;occ;	85;	0;	32056
16;	5576.3;	17-APR-2008	13:54:41;	Dark	; 59.5;	0;		; 0.00;	0;occ;	119;	0;	32056
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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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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23;	6810.3;	17-APR-2008	14:15:15;	Dark	; 42.0;	4;	Alp1Cen	; -0.01;	5800;occ;	84;	0;	32056
24;	6935.4;	17-APR-2008	14:17:20;	Dark	; 36.0;	20;	Bet Cru	; 1.25;	30000;occ;	72;	0;	32056
25;	7112.7;	17-APR-2008	14:20:18;	Dark	; 39.5;	64;	Gam Cen	; 2.20;	10600;occ;	79;	0;	32056
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3;	1877.0;	17-APR-2008	14:33:38;	Bright;	37.5;	121;	29Gam Vir	; 2.74;	7200;occ;	75;	0;	32057
4;	2163.7;	17-APR-2008	14:38:24;	Bright;	34.0;	62;	94Bet Leo	; 2.14;	9700;occ;	68;	0;	32057
5;	2284.2;	17-APR-2008	14:40:25;	Bright;	33.5;	96;	68Del Leo	; 2.56;	9300;occ;	67;	0;	32057
6;	2581.6;	17-APR-2008	14:45:22;	Bright;	37.0;	152;	12Alp2CVn	; 2.89;	11000;occ;	74;	0;	32057
7;	2678.9;	17-APR-2008	14:47:00;	Bright;	36.0;	174;	52Psi UMa	; 3.00;	4400;occ;	72;	0;	32057
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9;	2963.9;	17-APR-2008	14:51:45;	Bright;	37.0;	36;	50Alp UMa	; 1.80;	6300;occ;	74;	0;	32057
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
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22; 6542.5; 17-APR-2008 15:51:23; Dark ; 38.5; 43; Alp TrA ; 1.91; 4250;occ; 77; 0;32057
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3; 1623.6; 17-APR-2008 16:10:00; Bright; 36.0; 163; 7Del Crv ; 2.94; 11000;occ; 72; 0;32058
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5; 2098.6; 17-APR-2008 16:17:55; Bright; 31.0; 138; 47Eps Vir ; 2.83; 4700;occ; 62; 0;32058
6; 2163.7; 17-APR-2008 16:19:00; Bright; 35.0; 62; 94Bet Leo ; 2.14; 9700;occ; 70; 0;32058
7; 2284.4; 17-APR-2008 16:21:01; Bright; 35.0; 96; 68Del Leo ; 2.56; 9300;occ; 70; 0;32058
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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
7;	648.7;	20-APR-2008	02:34:43;	Dark	;	39.0;	134;	Bet	TrA	;	2.81;	6600;occ;	78;	0;	32093
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11;	1254.0;	20-APR-2008	02:44:48;	Dark	;	38.5;	123;	Iot	Cen	;	2.75;	10200;occ;	77;	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
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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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17; 5866.3; 27-APR-2008 18:46:57; Dark ; 39.5; 31; Alp Gru ; 1.73; 15200;occ; 79; 0;32202
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19; 6190.8; 27-APR-2008 18:52:21; Dark ; 40.5; 45; Alp Pav ; 1.94; 26000;occ; 81; 0;32202
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 23; 3444.4; 28-APR-2008 02:29:34; Bright; 35.5; 49; 1Alp UMi ; 1.99; 6300;occ; 71; 0;32207
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13; 5658.4; 29-APR-2008 10:57:51; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;32226
14; 5878.8; 29-APR-2008 11:01:32; Dark ; 40.0; 31; Alp Gru ; 1.73; 15200;occ; 80; 0;32226
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21; 7161.1; 29-APR-2008 11:22:54; Dark ; 40.0; 81; Eta Cen ; 2.36; 28000;occ; 80; 0;32226
22; 7287.4; 29-APR-2008 11:25:00; Dark ; 42.5; 54; 5The Cen ; 2.06; 4500;occ; 85; 0;32226
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 5; 2198.4; 29-APR-2008 15:01:59; Bright; 34.5; 62; 94Bet Leo ; 2.14; 9700;occ; 69; 0;32229
 6; 2560.0; 29-APR-2008 15:08:00; Bright; 34.5; 152; 12Alp2CVn ; 2.89; 11000;occ; 69; 0;32229
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 21; 6041.3; 29-APR-2008 19:27:14; Dark ; 40.0; 148; Alp Tuc ; 2.88; 4100;occ; 80; 0;32231
 22; 6209.1; 29-APR-2008 19:30:02; Dark ; 39.0; 45; Alp Pav ; 1.94; 26000;occ; 78; 0;32231


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15; 5243.9; 30-APR-2008 17:01:43; Dark ; 44.0; 52; 16Bet Cet ; 2.04; 4500;occ; 88; 0;32244
16; 5542.7; 30-APR-2008 17:06:42; Dark ; 43.5; 18; 24Alp PsA ; 1.17; 9700;occ; 87; 0;32244
17; 5669.2; 30-APR-2008 17:08:49; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;32244
18; 5888.6; 30-APR-2008 17:12:28; Dark ; 39.5; 31; Alp Gru ; 1.73; 15200;occ; 79; 0;32244
19; 6045.8; 30-APR-2008 17:15:05; Dark ; 43.5; 148; Alp Tuc ; 2.88; 4100;occ; 87; 0;32244
20; 6217.5; 30-APR-2008 17:17:57; Dark ; 25.0; 45; Alp Pav ; 1.94; 26000;occ; 50; 0;32244
21; 6613.6; 30-APR-2008 17:24:33; Dark ; 38.5; 43; Alp TrA ; 1.91; 4250;occ; 77; 0;32244
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
24; 6961.2; 30-APR-2008 17:30:21; Dark ; 42.5; 20; Bet Cru ; 1.25; 30000;occ; 85; 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
4; 1513.0; 30-APR-2008 17:40:09; Dark ; 44.5; 169; 46Gam Hya ; 2.99; 4700;occ; 89; 0;32245
5; 1712.3; 30-APR-2008 17:43:28; Bright; 39.5; 15; 67Alp Vir ; 0.98; 28000;occ; 79; 0;32245
6; 1896.6; 30-APR-2008 17:46:32; Bright; 36.0; 121; 29Gam Vir ; 2.74; 7200;occ; 72; 0;32245
7; 2095.7; 30-APR-2008 17:49:51; Bright; 35.5; 138; 47Eps Vir ; 2.83; 4700;occ; 71; 0;32245
8; 2202.9; 30-APR-2008 17:51:38; Bright; 35.5; 62; 94Bet Leo ; 2.14; 9700;occ; 71; 0;32245
9; 2559.9; 30-APR-2008 17:57:35; Bright; 34.5; 152; 12Alp2CVn ; 2.89; 11000;occ; 69; 0;32245
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12; 2917.4; 30-APR-2008 18:03:33; Bright; 35.0; 82; 48Bet UMa ; 2.37; 10600;occ; 70; 0;32245
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7; 1896.8; 30-APR-2008 19:27:08; Bright; 35.5; 121; 29Gam Vir ; 2.74; 7200;occ; 71; 0;32246
8; 2095.8; 30-APR-2008 19:30:27; Bright; 35.5; 138; 47Eps Vir ; 2.83; 4700;occ; 71; 0;32246
9; 2203.2; 30-APR-2008 19:32:15; Bright; 35.5; 62; 94Bet Leo ; 2.14; 9700;occ; 71; 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
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22;	6046.4;	30-APR-2008	20:36:18;	Dark	;	37.0;	148;	Alp	Tuc	;	2.88;	4100;	occ;	74;	0;	32246
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