

GOMOS Daily Report 01-SEP-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	03SEP2008 05:32:11
Data source version	GOMOS/5.00
Start time of products	01SEP2008 00:05:25
Stop time of products	01SEP2008 04:09:06
Store outputs in DB	Yes
Nb of level 1b prods	49
Nb of prods with errors	0

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

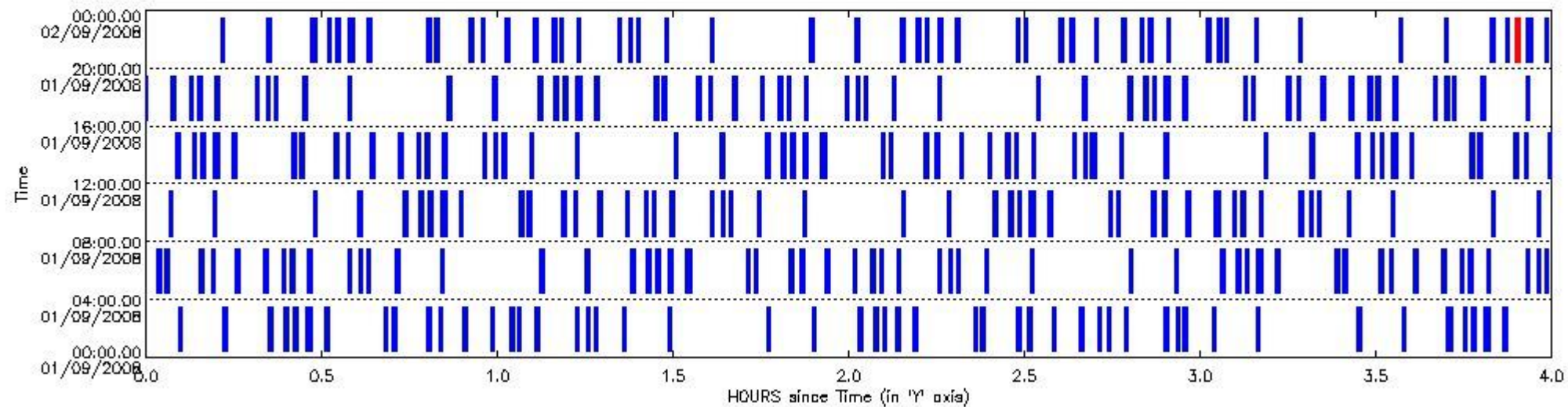
2.1 Level 0 products arrived in PCF (see template [here](#))

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)

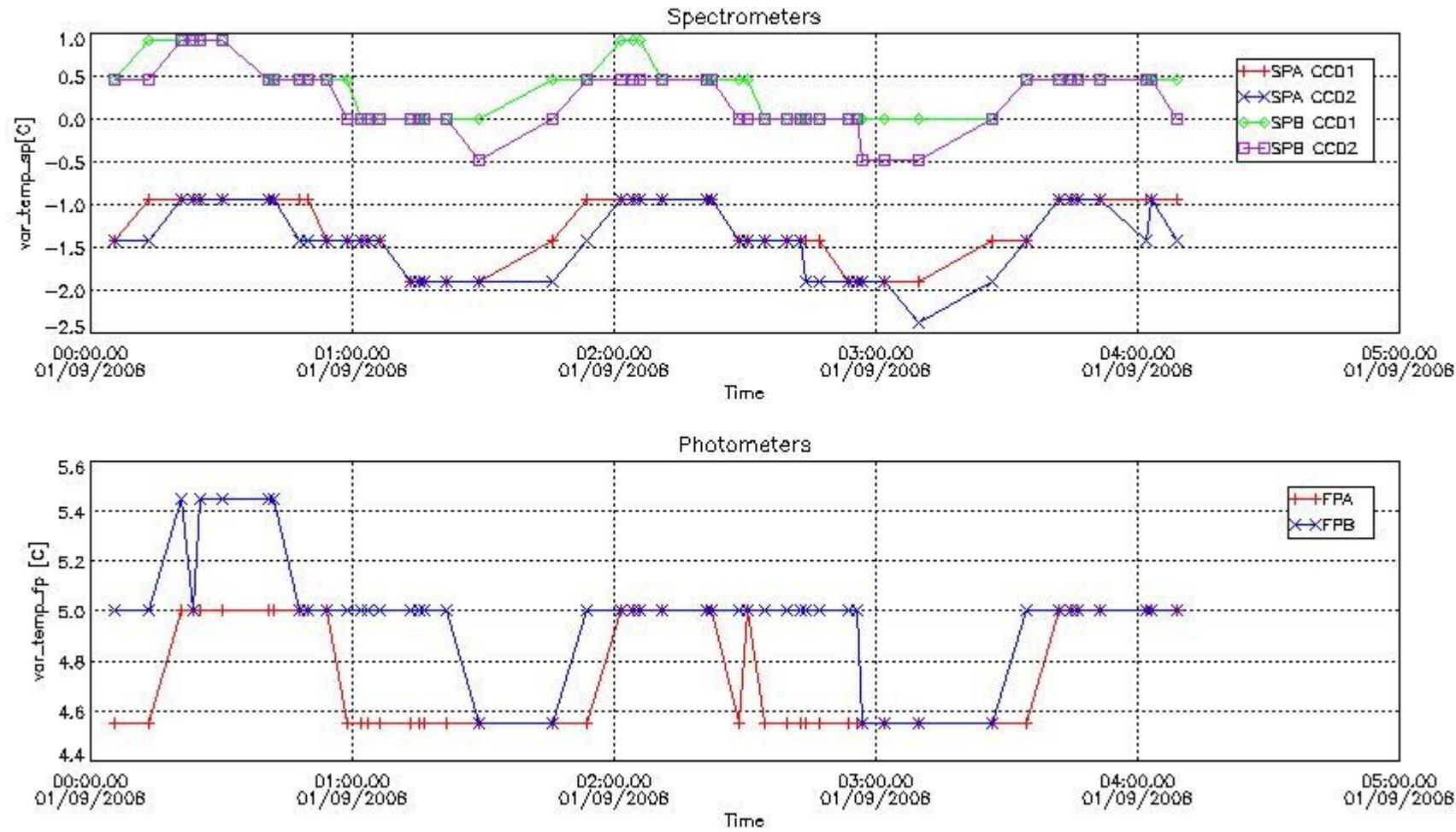
UTC start time	Star name	Star ID	Orbit
01-SEP-2008 23:53:38	PiPup	117	34023

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_1PNPDE20080901_000525_000000442071_00388_34009_6099.N1	01-SEP-2008 00:05:25	Bright	43.500	24	66Alp Gem	1.5800	10200.	87	34009	No
2	GOM_TRA_1PNPDE20080901_001309_000000422071_00388_34009_6100.N1	01-SEP-2008 00:13:09	Twilight	42.000	8	10Alp CMi	0.40000	6500.0	84	34009	No
3	GOM_TRA_1PNPDE20080901_002049_000000502071_00388_34009_6205.N1	01-SEP-2008 00:20:49	Dark	50.000	1	9Alp CMa	-1.4400	11000.	100	34009	No
4	GOM_TRA_1PNPDE20080901_002334_000000422071_00388_34009_6206.N1	01-SEP-2008 00:23:34	Dark	41.500	23	21Eps CMa	1.5020	26000.	83	34009	No
5	GOM_TRA_1PNPDE20080901_002509_000000442071_00388_34009_6207.N1	01-SEP-2008 00:25:09	Dark	44.000	117	Pi Pup	2.7060	3800.0	88	34009	No
6	GOM_TRA_1PNPDE20080901_003019_000000492071_00388_34009_6208.N1	01-SEP-2008 00:30:19	Dark	49.000	2	Alp Car	-0.73600	7000.0	98	34009	No
7	GOM_TRA_1PNPDE20080901_004038_000000382071_00389_34010_6209.N1	01-SEP-2008 00:40:38	Dark	38.000	143	Alp Hyi	2.8570	7200.0	76	34010	No
8	GOM_TRA_1PNPDE20080901_004155_000000452071_00389_34010_6210.N1	01-SEP-2008 00:41:55	Dark	45.000	9	Alp Eri	0.45300	24000.	90	34010	No
9	GOM_TRA_1PNPDE20080901_004753_000000452071_00389_34010_6211.N1	01-SEP-2008 00:47:53	Straylight	45.000	84	Alp Phe	2.3970	4500.0	90	34010	No
10	GOM_TRA_1PNPDE20080901_004954_000000402071_00389_34010_6212.N1	01-SEP-2008 00:49:54	Straylight	39.500	31	Alp Gru	1.7340	15200.	79	34010	No

11	GOM_TRA_1PNPDE20080901_005359_000000482071_00389_34010_6213.N1	01-SEP-2008 00:53:59	Straylight	47.500	18	24Alp PsA	1.1660	9700.0	95	34010	No
12	GOM_TRA_1PNPDE20080901_005849_000000402071_00389_34010_6214.N1	01-SEP-2008 00:58:49	Bright	39.500	142	49Del Cap	2.8500	8900.0	79	34010	No
13	GOM_TRA_1PNPDE20080901_010156_000000532071_00389_34010_6215.N1	01-SEP-2008 01:01:56	Bright	52.500	154	22Bet Aqr	2.8990	5700.0	105	34010	No
14	GOM_TRA_1PNPDE20080901_010324_000000392071_00389_34010_6216.N1	01-SEP-2008 01:03:24	Bright	39.000	162	34Alp Aqr	2.9440	5350.0	78	34010	No
15	GOM_TRA_1PNPDE20080901_010624_000000382071_00389_34010_6217.N1	01-SEP-2008 01:06:24	Bright	38.000	61	8Eps Peg	2.1000	3900.0	76	34010	No
16	GOM_TRA_1PNPDE20080901_011317_000000352071_00389_34010_6218.N1	01-SEP-2008 01:13:17	Bright	35.000	92	53Eps Cyg	2.5000	4500.0	70	34010	No
17	GOM_TRA_1PNPDE20080901_011509_000000362071_00389_34010_6219.N1	01-SEP-2008 01:15:09	Bright	36.000	66	37Gam Cyg	2.2080	5900.0	72	34010	No
18	GOM_TRA_1PNPDE20080901_011627_000000342071_00389_34010_6220.N1	01-SEP-2008 01:16:27	Bright	34.000	19	50Alp Cyg	1.2460	10500.	68	34010	No
19	GOM_TRA_1PNPDE20080901_012124_000000342071_00389_34010_6221.N1	01-SEP-2008 01:21:24	Bright	33.500	89	5Alp Cep	2.4510	8000.0	67	34010	No
20	GOM_TRA_1PNPDE20080901_012903_000000352071_00389_34010_6222.N1	01-SEP-2008 01:29:03	Bright	35.000	49	1Alp UMi	1.9900	6300.0	70	34010	No
21	GOM_TRA_1PNPDE20080901_014602_000000372071_00389_34010_6223.N1	01-SEP-2008 01:46:02	Bright	37.000	24	66Alp Gem	1.5800	10200.	74	34010	No
22	GOM_TRA_1PNPDE20080901_015345_000000392071_00389_34010_6224.N1	01-SEP-2008 01:53:45	Twilight	39.000	8	10Alp CMi	0.40000	6500.0	78	34010	No
23	GOM_TRA_1PNPDE20080901_020126_000000572071_00389_34010_6364.N1	01-SEP-2008 02:01:26	Dark	57.000	1	9Alp CMa	-1.4400	11000.	114	34010	No
24	GOM_TRA_1PNPDE20080901_020411_000000442071_00389_34010_6365.N1	01-SEP-2008 02:04:11	Dark	44.000	23	21Eps CMa	1.5020	26000.	88	34010	No
25	GOM_TRA_1PNPDE20080901_020545_000000432071_00389_34010_6366.N1	01-SEP-2008 02:05:45	Dark	42.500	117	Pi Pup	2.7060	3800.0	85	34010	No
26	GOM_TRA_1PNPDE20080901_021055_000000442071_00389_34010_6367.N1	01-SEP-2008 02:10:55	Dark	43.500	2	Alp Car	-0.73600	7000.0	87	34010	No
27	GOM_TRA_1PNPDE20080901_022115_000000392071_00390_34011_6368.N1	01-SEP-2008 02:21:15	Dark	39.000	143	Alp Hyi	2.8570	7200.0	78	34011	No
28	GOM_TRA_1PNPDE20080901_022232_000000452071_00390_34011_6369.N1	01-SEP-2008 02:22:32	Dark	44.500	9	Alp Eri	0.45300	24000.	89	34011	No
29	GOM_TRA_1PNPDE20080901_022829_000000532071_00390_34011_6370.N1	01-SEP-2008 02:28:29	Straylight	52.500	84	Alp Phe	2.3970	4500.0	105	34011	No
30	GOM_TRA_1PNPDE20080901_023030_000000392071_00390_34011_6371.N1	01-SEP-2008 02:30:30	Straylight	38.500	31	Alp Gru	1.7340	15200.	77	34011	No
31	GOM_TRA_1PNPDE20080901_023435_000000462071_00390_34011_6372.N1	01-SEP-2008 02:34:35	Straylight	46.000	18	24Alp PsA	1.1660	9700.0	92	34011	No
32	GOM_TRA_1PNPDE20080901_023925_000000392071_00390_34011_6373.N1	01-SEP-2008 02:39:25	Bright	38.500	142	49Del Cap	2.8500	8900.0	77	34011	No
33	GOM_TRA_1PNPDE20080901_024233_000000372071_00390_34011_6374.N1	01-SEP-2008 02:42:33	Bright	36.500	154	22Bet Aqr	2.8990	5700.0	73	34011	No
34	GOM_TRA_1PNPDE20080901_024400_000000402071_00390_34011_6375.N1	01-SEP-2008 02:44:00	Bright	39.500	162	34Alp Aqr	2.9440	5350.0	79	34011	No
35	GOM_TRA_1PNPDE20080901_024700_000000392071_00390_34011_6376.N1	01-SEP-2008 02:47:00	Bright	38.500	61	8Eps Peg	2.1000	3900.0	77	34011	No
36	GOM_TRA_1PNPDE20080901_025352_000000362071_00390_34011_6377.N1	01-SEP-2008 02:53:52	Bright	36.000	92	53Eps Cyg	2.5000	4500.0	72	34011	No
37	GOM_TRA_1PNPDE20080901_025545_000000382071_00390_34011_6378.N1	01-SEP-2008 02:55:45	Bright	37.500	66	37Gam Cyg	2.2080	5900.0	75	34011	No
38	GOM_TRA_1PNPDE20080901_025703_000000372071_00390_34011_6379.N1	01-SEP-2008 02:57:03	Bright	37.000	19	50Alp Cyg	1.2460	10500.	74	34011	No
39	GOM_TRA_1PNPDE20080901_030200_000000342071_00390_34011_6380.N1	01-SEP-2008 03:02:00	Bright	34.000	89	5Alp Cep	2.4510	8000.0	68	34011	No
40	GOM_TRA_1PNPDE20080901_030939_000000332071_00390_34011_6381.N1	01-SEP-2008 03:09:39	Bright	32.500	49	1Alp UMi	1.9900	6300.0	65	34011	No
41	GOM_TRA_1PNPDE20080901_032638_000000552071_00390_34011_6512.N1	01-SEP-2008 03:26:38	Bright	55.000	24	66Alp Gem	1.5800	10200.	110	34011	No
42	GOM_TRA_1PNPDE20080901_033421_000000442071_00390_34011_6513.N1	01-SEP-2008 03:34:21	Twilight	44.000	8	10Alp CMi	0.40000	6500.0	88	34011	No
43	GOM_TRA_1PNPDE20080901_034202_000000532071_00390_34011_6514.N1	01-SEP-2008 03:42:02	Dark	52.500	1	9Alp CMa	-1.4400	11000.	105	34011	No
44	GOM_TRA_1PNPDE20080901_034447_000000442071_00390_34011_6515.N1	01-SEP-2008 03:44:47	Dark	44.000	23	21Eps CMa	1.5020	26000.	88	34011	No
45	GOM_TRA_1PNPDE20080901_034621_000000452071_00390_34011_6516.N1	01-SEP-2008 03:46:21	Dark	45.000	117	Pi Pup	2.7060	3800.0	90	34011	No
46	GOM_TRA_1PNPDE20080901_035132_000000502071_00390_34011_6517.N1	01-SEP-2008 03:51:32	Dark	50.000	2	Alp Car	-0.73600	7000.0	100	34011	No
47	GOM_TRA_1PNPDE20080901_040151_000000402071_00391_34012_6518.N1	01-SEP-2008 04:01:51	Dark	39.500	143	Alp Hyi	2.8570	7200.0	79	34012	No
48	GOM_TRA_1PNPDE20080901_040309_000000452071_00391_34012_6519.N1	01-SEP-2008 04:03:09	Dark	44.500	9	Alp Eri	0.45300	24000.	89	34012	No
49	GOM_TRA_1PNPDE20080901_040906_000000452071_00391_34012_6520.N1	01-SEP-2008 04:09:06	Straylight	45.000	84	Alp Phe	2.3970	4500.0	90	34012	No

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



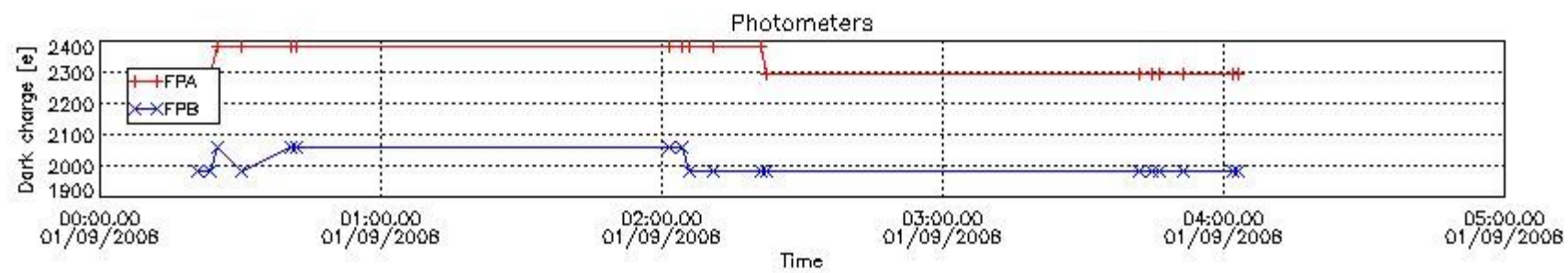
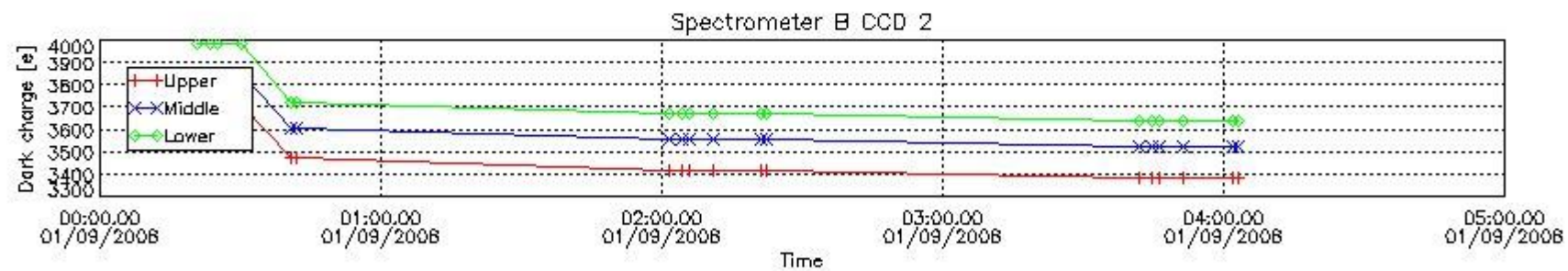
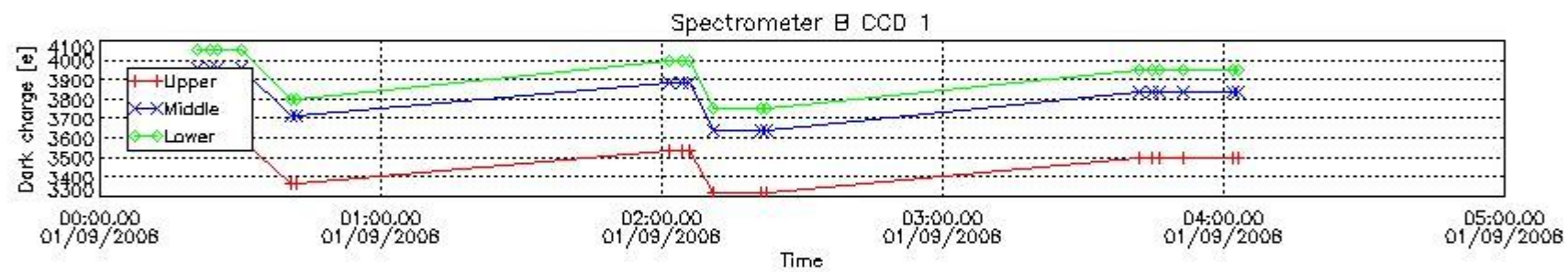
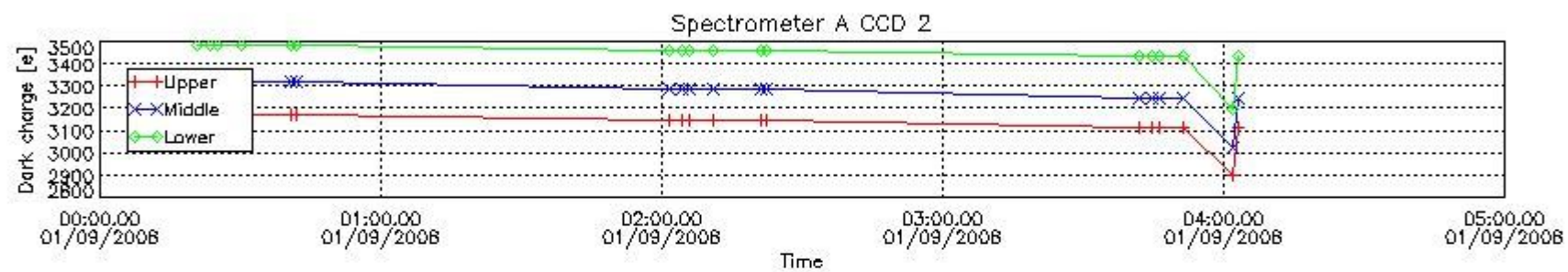
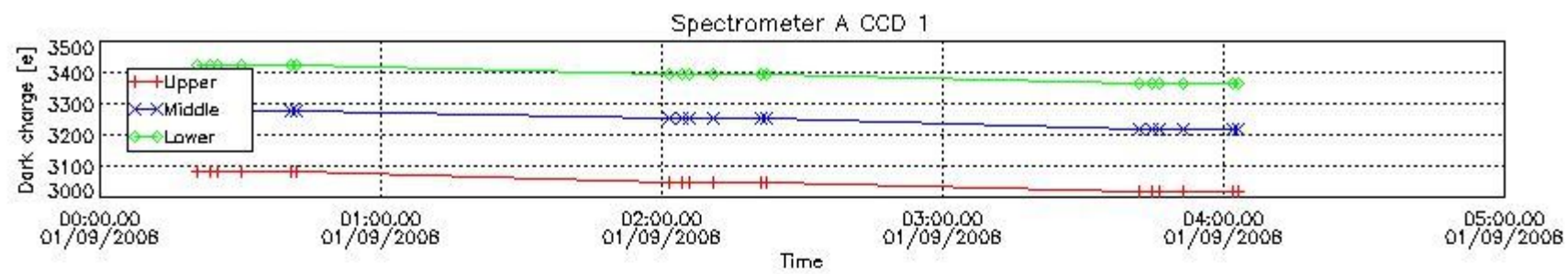
4. Overview of dark signal processing per product

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



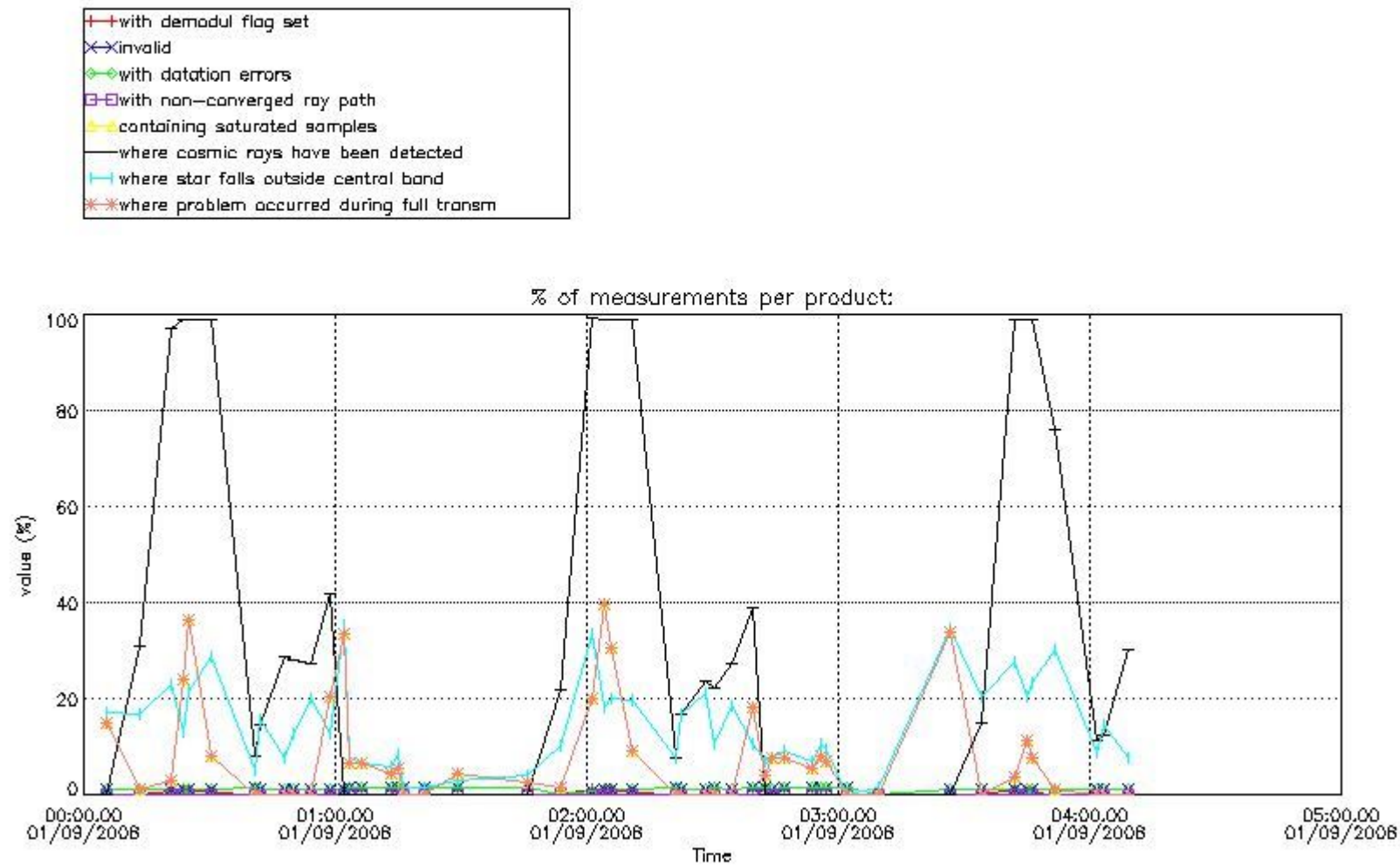
5. Demodulation flag and quality information monitoring

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.

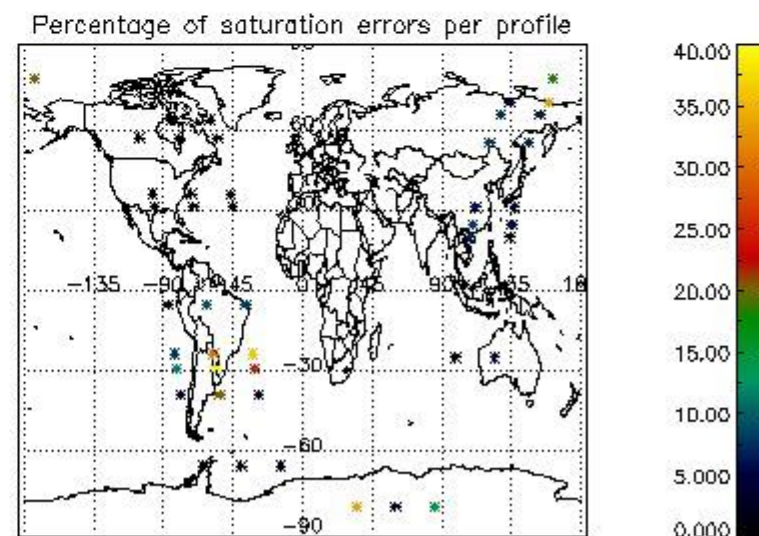
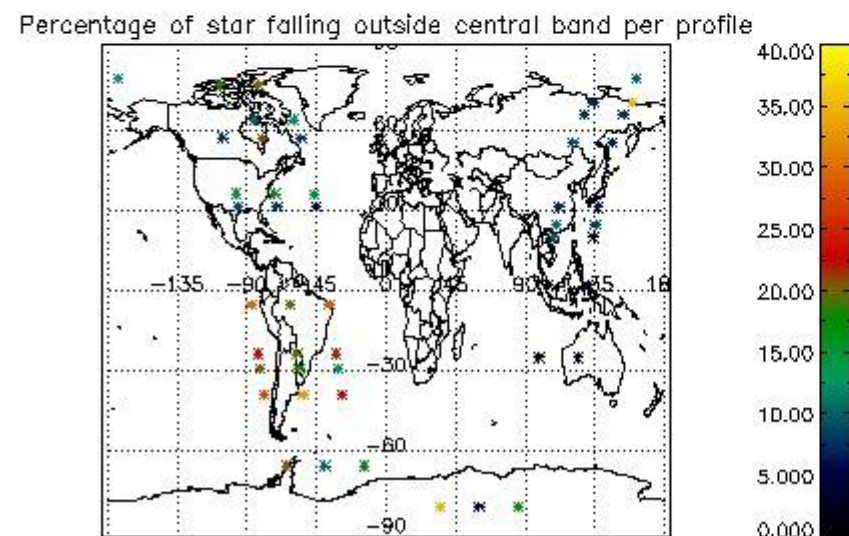
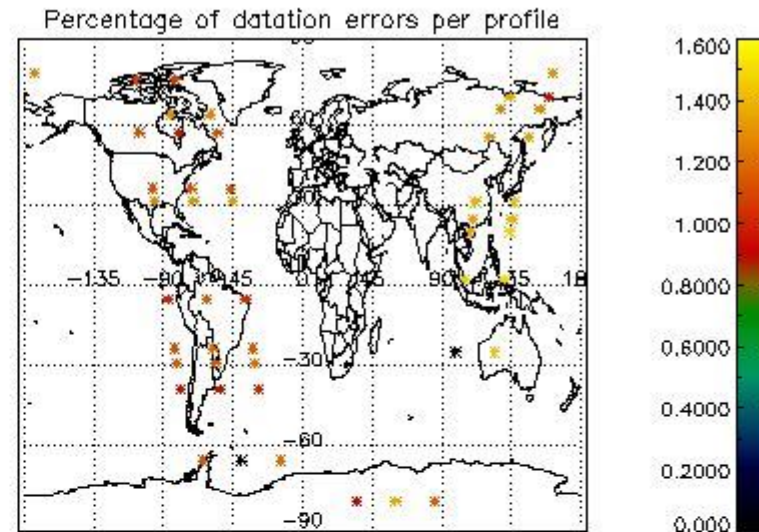
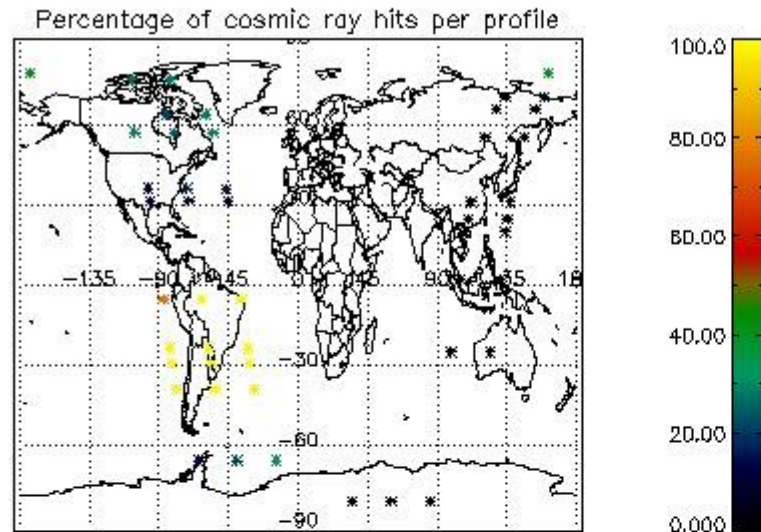
5.1 Percentage of products during reporting period with:

At least one measurement with demodulation flag set:	32.6531 %
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)



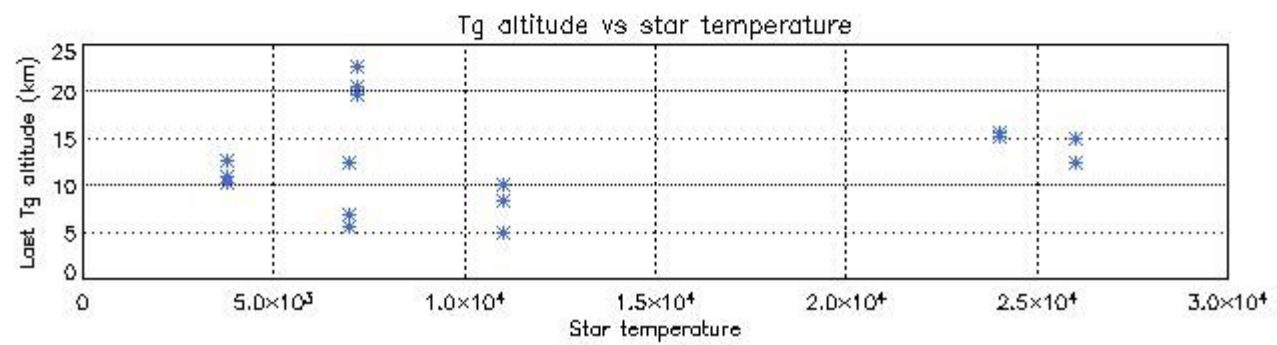
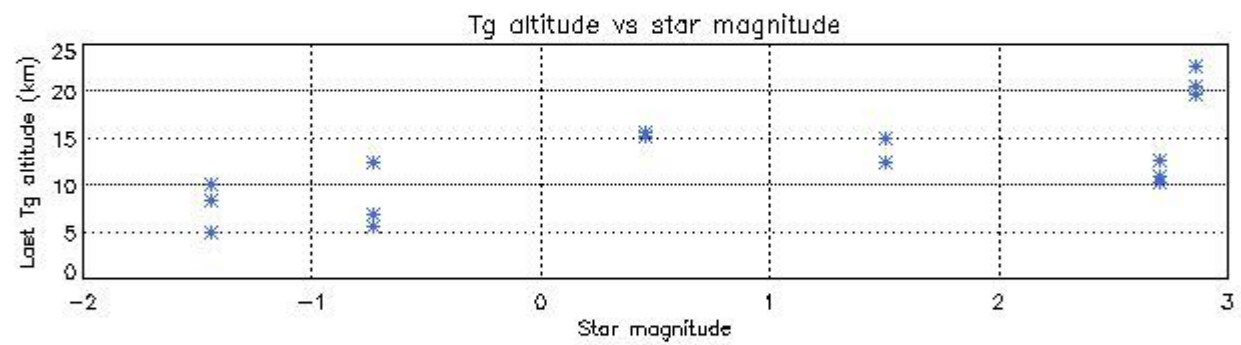
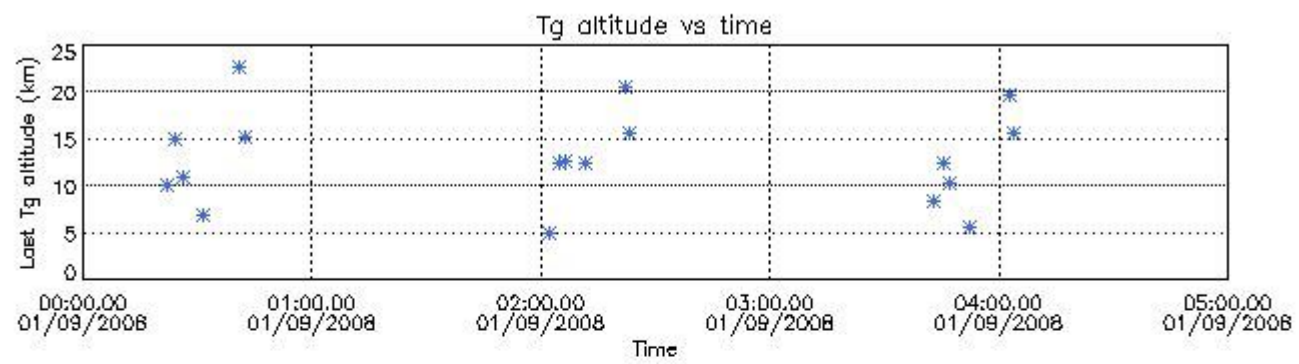
6. Statistics and plot of tangent altitude of the last measurement (DARK & BRIGHT products without errors)

6.1 Statistics on tangent altitude lost:

Statistics	DARK	BRIGHT	TWILIGHT
Mean:	12.798	18.929	14.354
St. deviation:	4.9456	6.2731	2.7252
Maximum:	22.596	29.126	17.331
Minimum:	4.8682	3.7794	11.981
Number of data:	18.000	21.000	3.0000

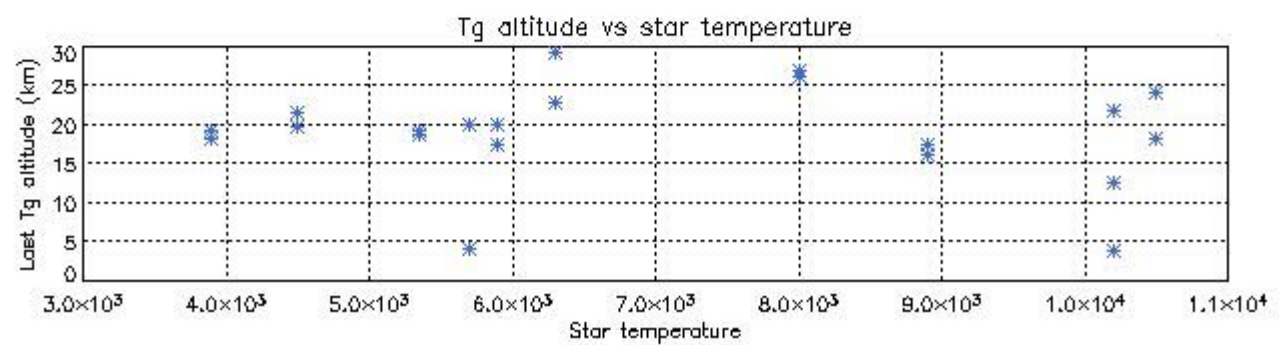
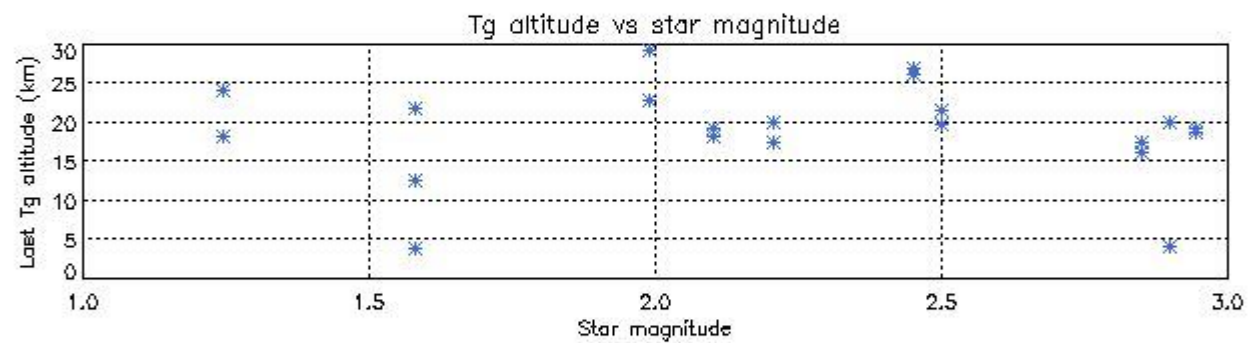
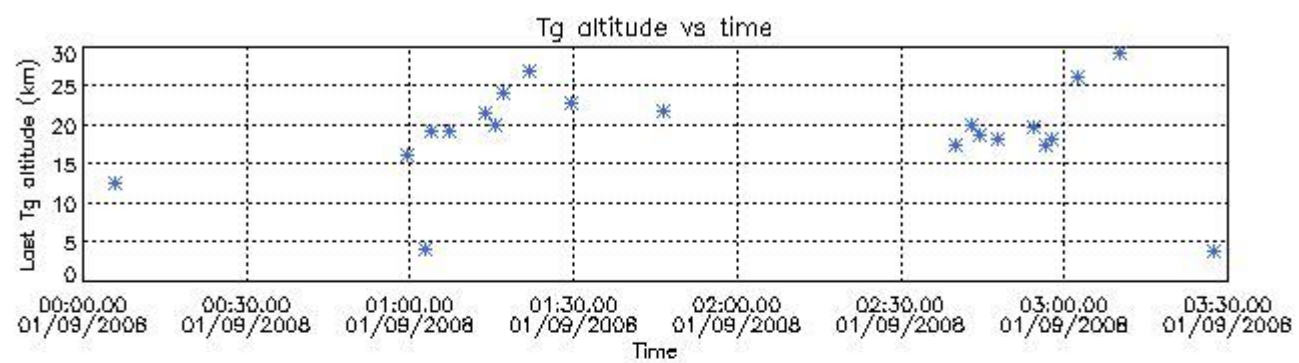
6.2 Plot for DARK limb products

Tangent altitude at which the star is lost



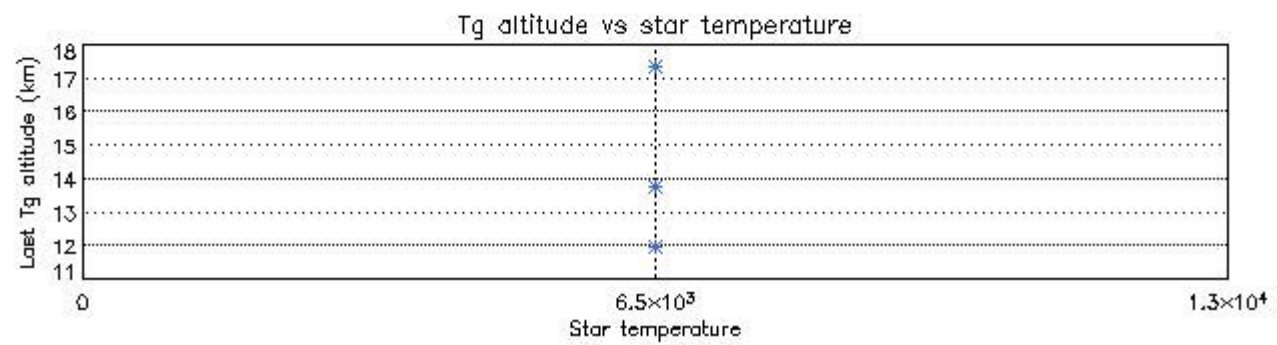
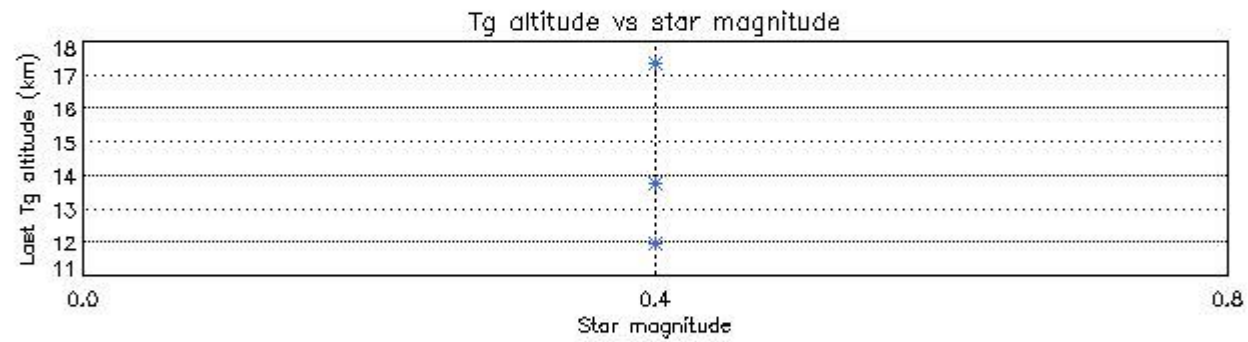
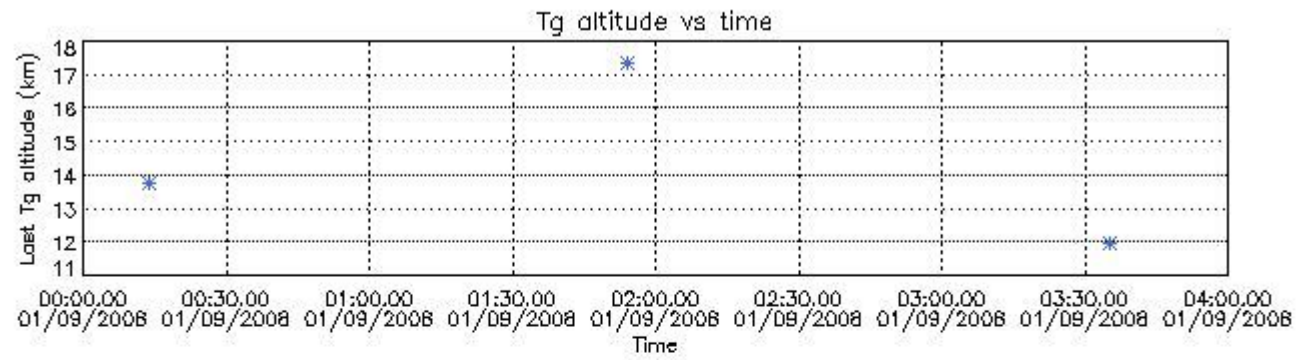
6.3 Plot for BRIGHT limb products

Tangent altitude at which the star is lost



6.3 Plot for TWILIGHT limb products

Tangent altitude at which the star is lost

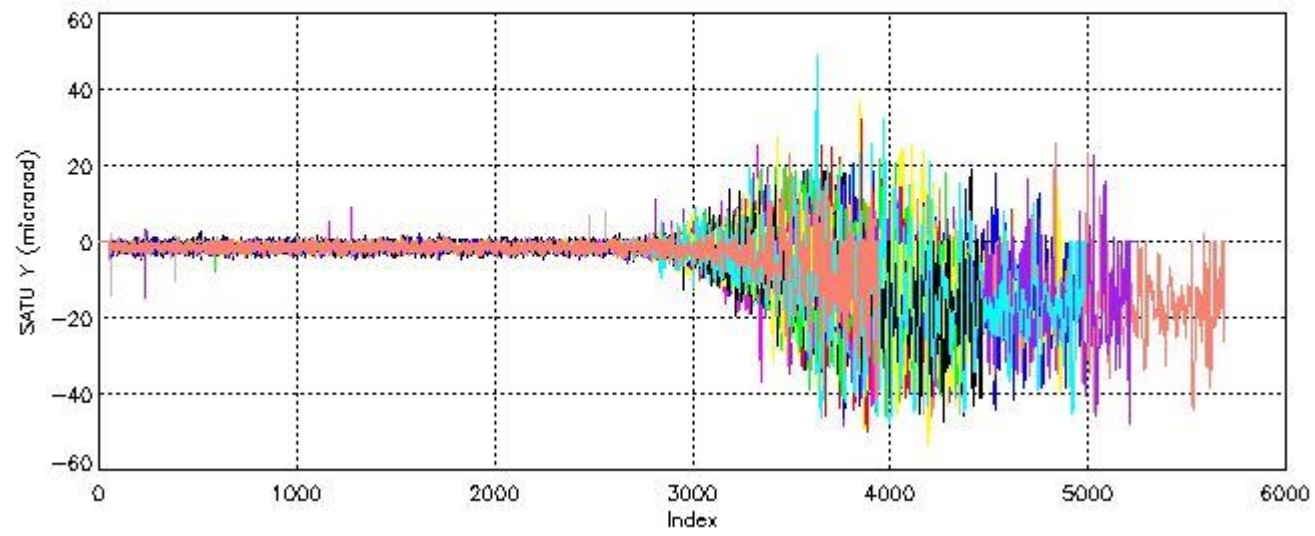
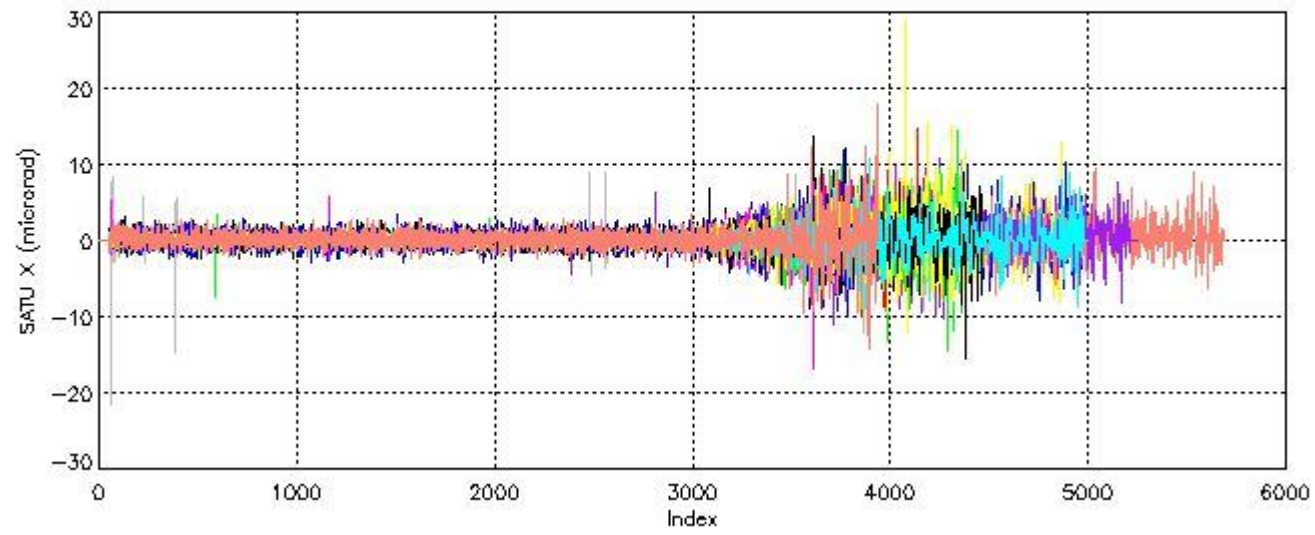


7. Star Acquisition and Tracking Unit (SATU)

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:	0.10060	-1.2978	0.095895	-1.4342
St. deviation:	0.39497	0.59169	0.60488	0.76900
Maximum:	8.3000	3.1000	3.3000	1.6000
Minimum:	-21.700	-15.000	-3.4000	-5.2000

Number of data:	16500.	16500.	17450.	17450.
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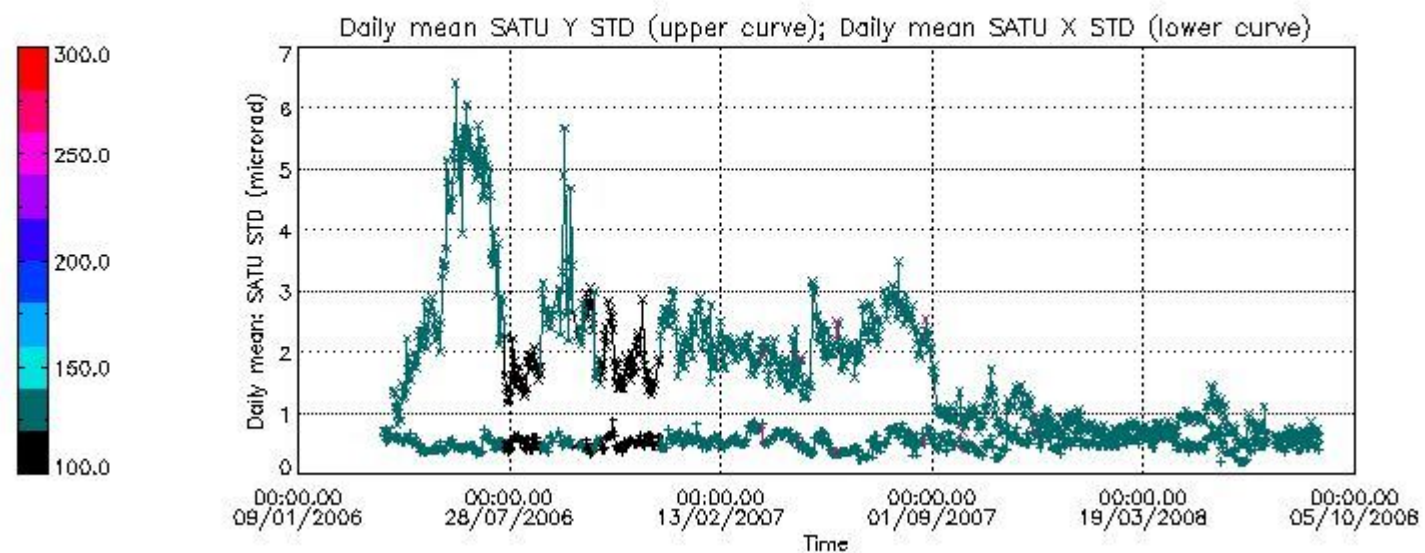
7.2.2 Trend of daily SATU NEA St. deviation since 1st April 2006 (dark limb)

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

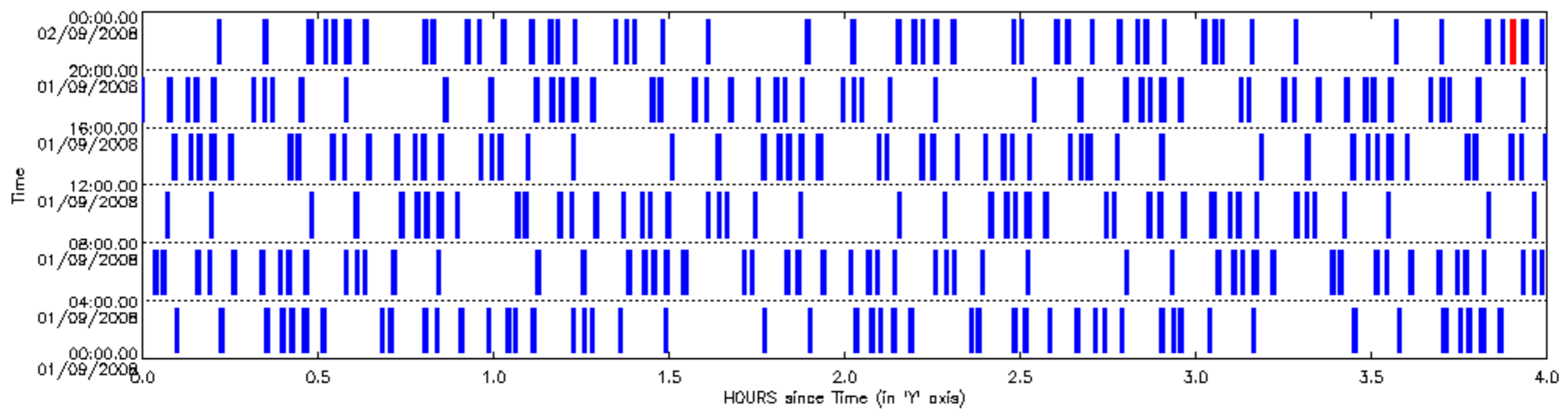
Lower curve: STD of SATU X axis

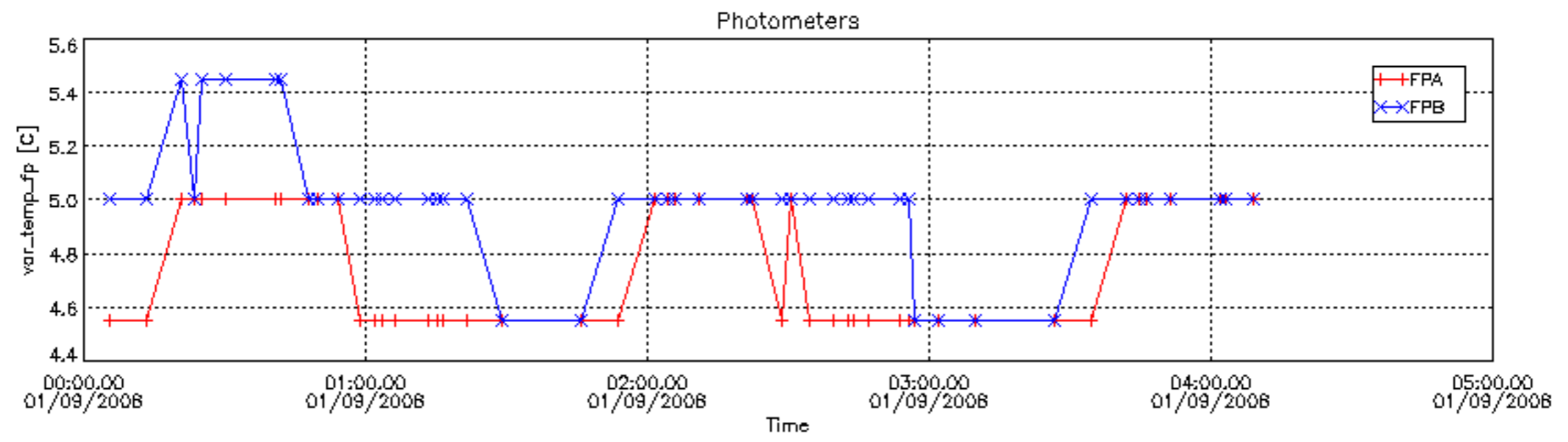
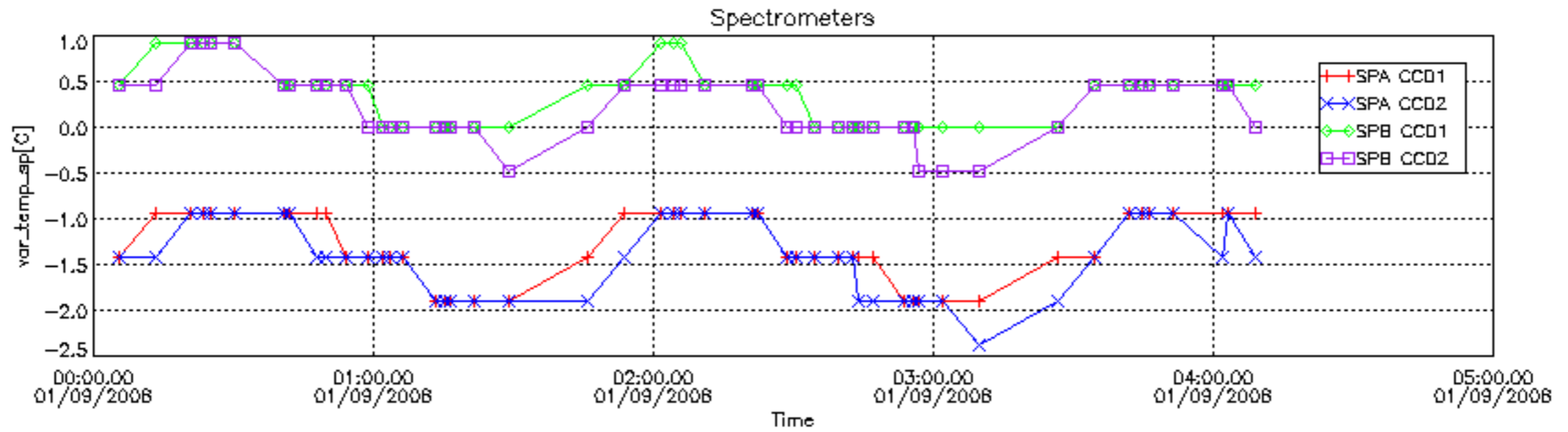


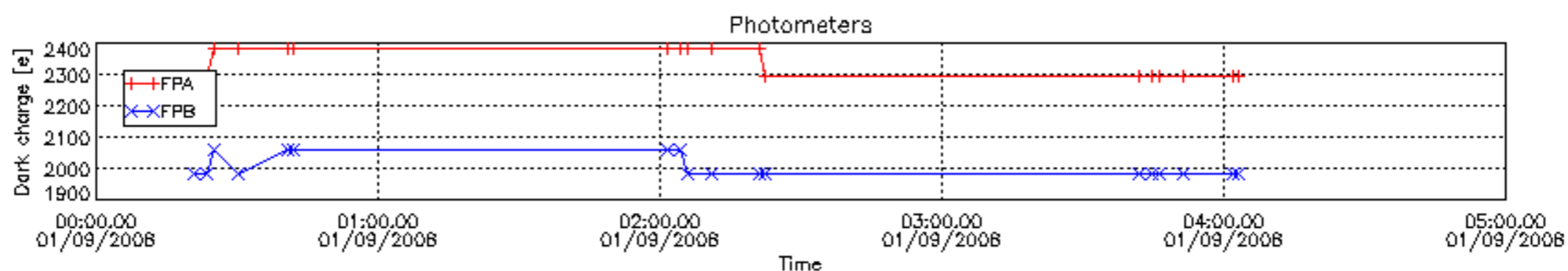
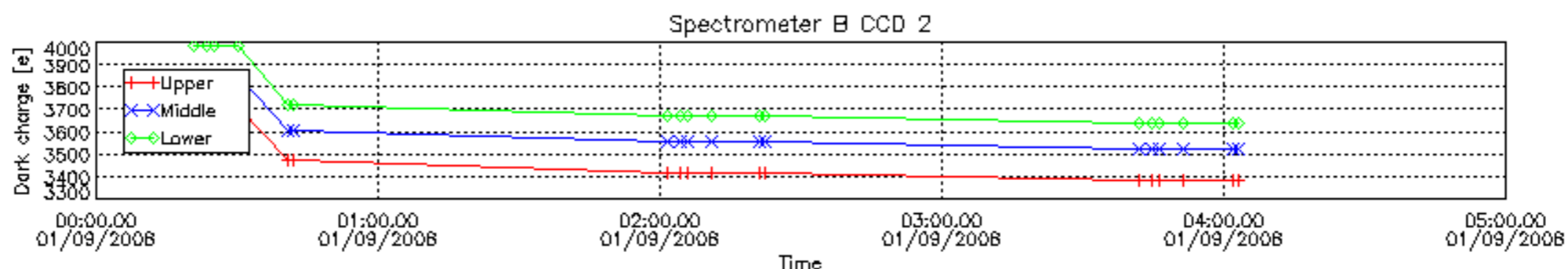
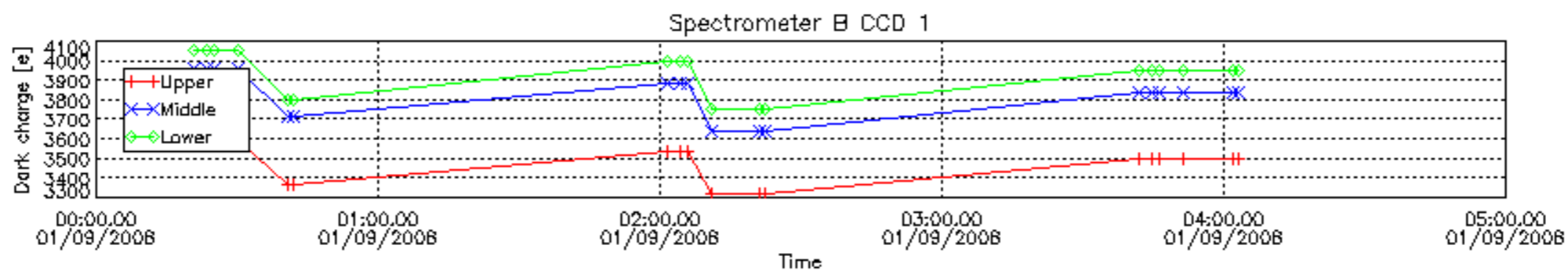
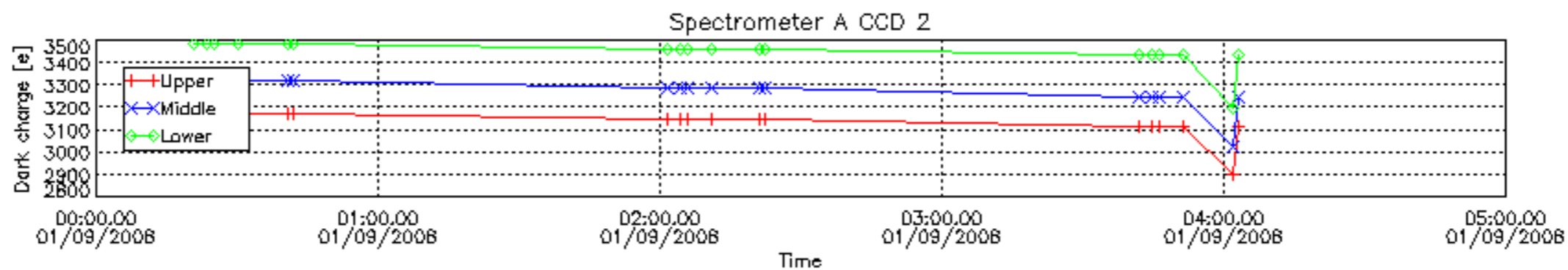
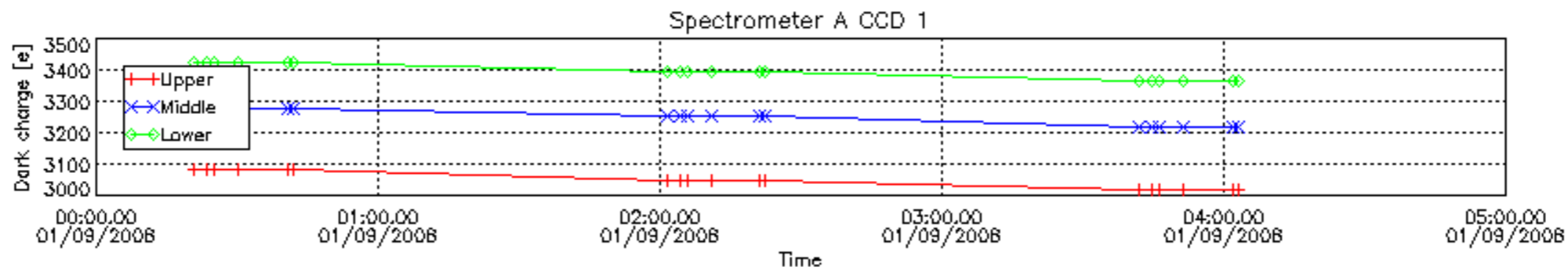
8. Auxiliary Data Files used for the production reported in section 2.4

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.

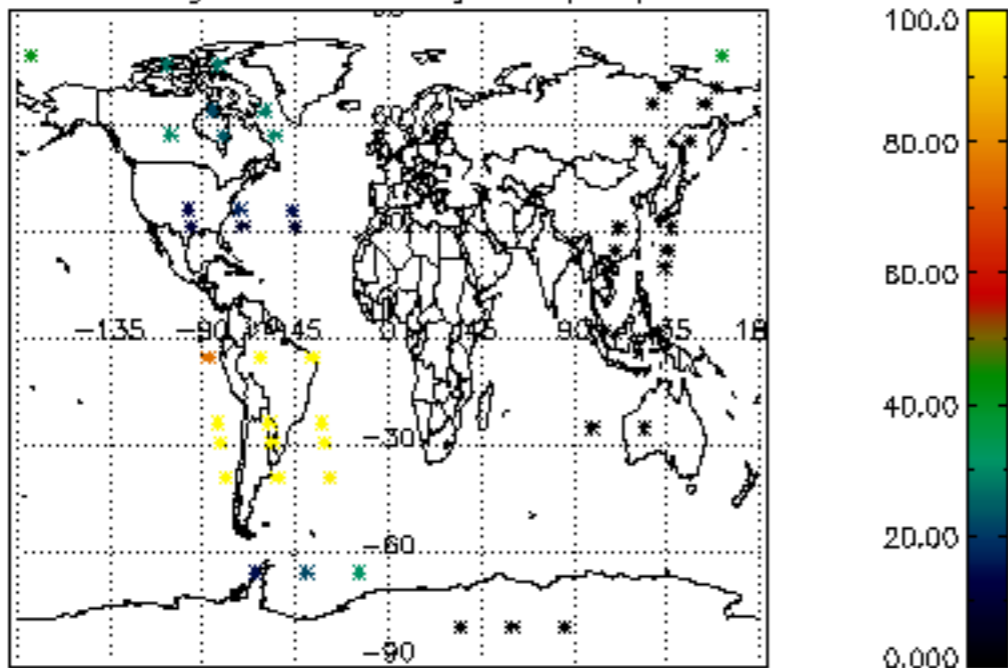
Type	Auxiliary Filename	Used since product	Used since product date
INST_PHYS_CHARACTERISTICS	GOM_INS_AXNIEC20050627_150713_20030716_120000_20100101_000000	1	01-SEP-2008 00:05:25
CALIBRATION_DATABASE	GOM_CAL_AXVIEC20080827_075127_20080825_000000_20100101_000000	1	01-SEP-2008 00:05:25
LEVEL-1B_PROC_CONFIG	GOM_PR1_AXNIEC20050627_151042_20020301_000000_20100101_000000	1	01-SEP-2008 00:05:25
STAR_CATALOGUE	GOM_CAT_AXVIEC20020121_161009_20020101_000000_20200101_000000	1	01-SEP-2008 00:05:25
STELLAR_SPECTRA_DATABANK	GOM_STS_AXNIEC20040308_103538_20020101_160000_20100101_000000	1	01-SEP-2008 00:05:25
ECMWF_FILE	AUX_ECF_AXNECM20080831_072112_20080831_210000_20080901_090000	1	01-SEP-2008 00:05:25
ECMWF_FILE	AUX_ECF_AXNECM20080831_192112_20080901_030000_20080901_150000	41	01-SEP-2008 03:26:38
OPTIONAL_ECMWF_FILE	MISSING	1	01-SEP-2008 00:05:25
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20080831_205255_000060572071_00386_34007_6269.N1	1	01-SEP-2008 00:05:25
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20080831_223911_000057382071_00387_34008_6270.N1	3	01-SEP-2008 00:20:49
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20080901_001449_000057382071_00388_34009_6271.N1	23	01-SEP-2008 02:01:26
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20080901_015546_000044632071_00389_34010_6272.N1	41	01-SEP-2008 03:26:38



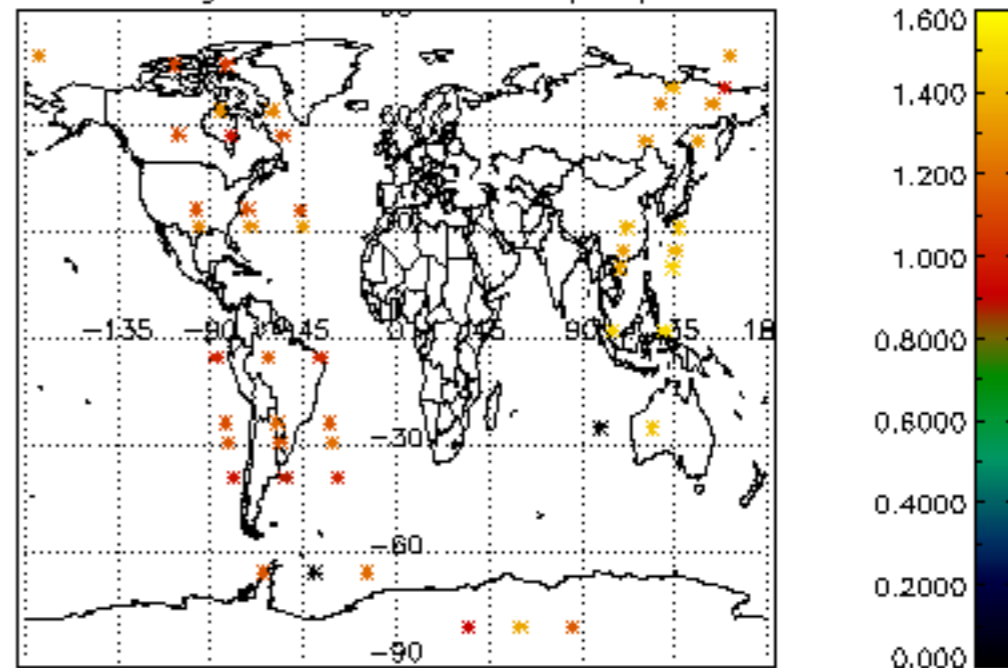




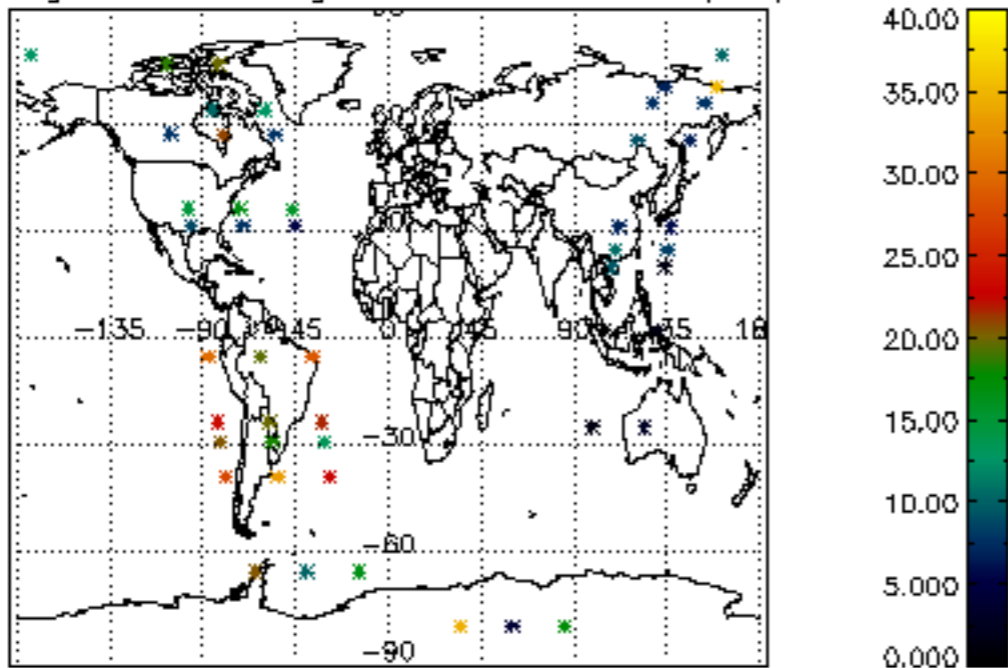
Percentage of cosmic ray hits per profile



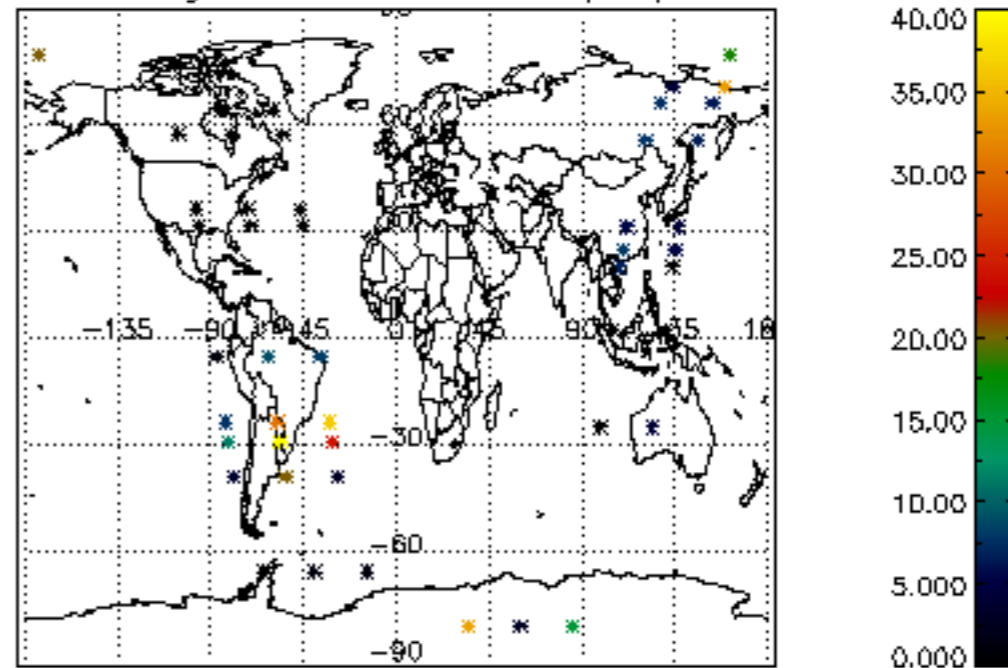
Percentage of datation errors per profile



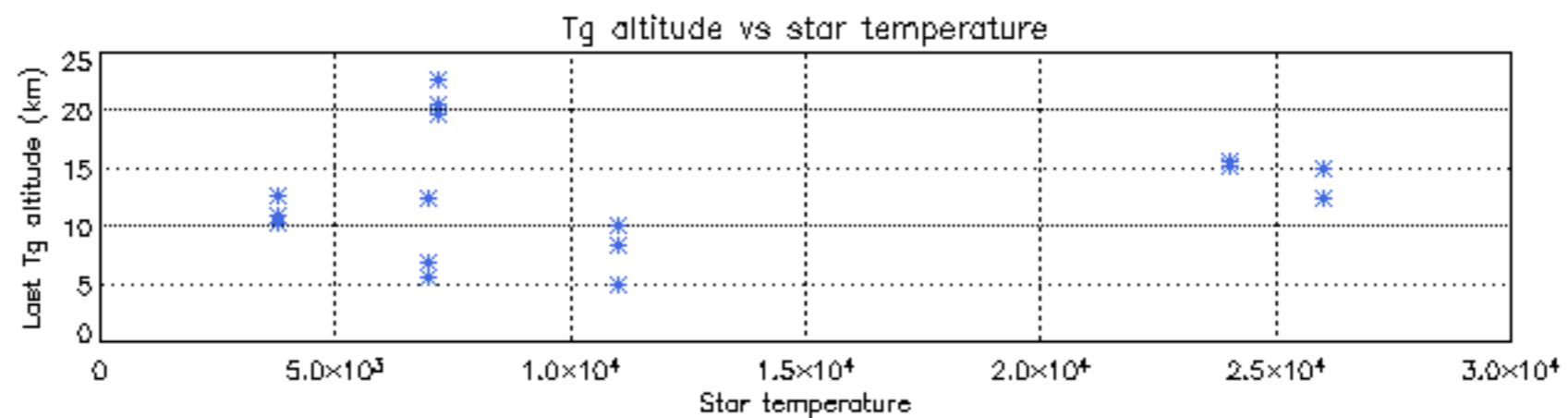
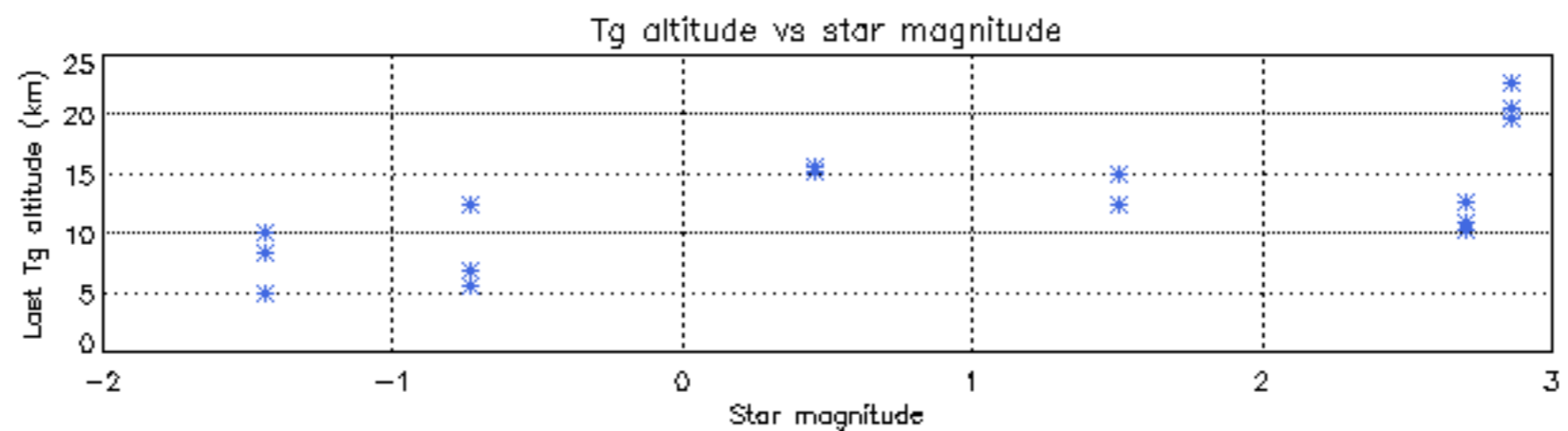
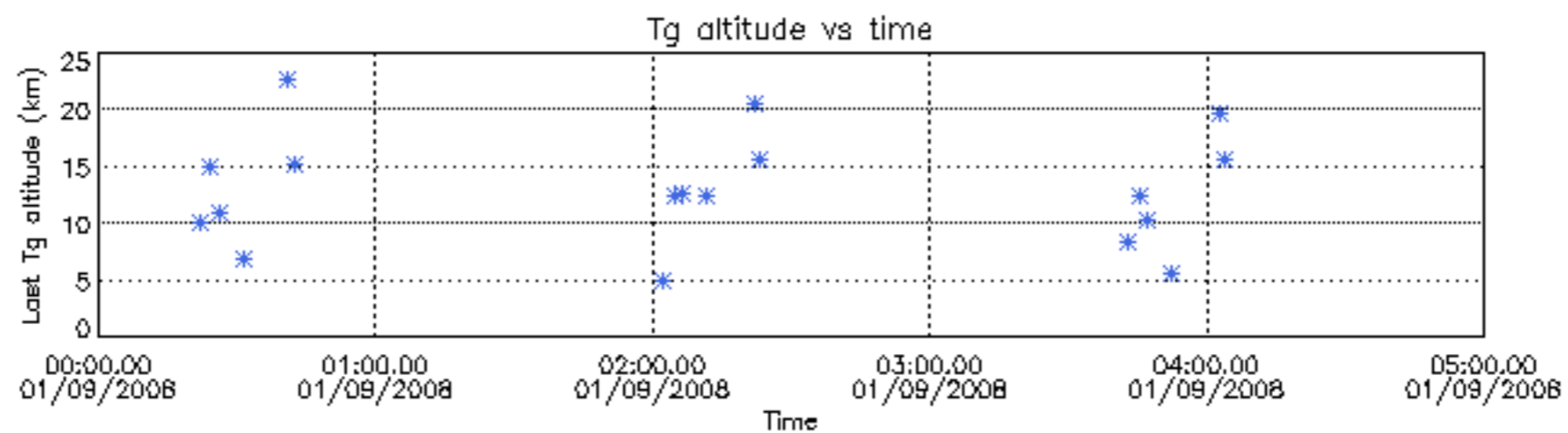
Percentage of star falling outside central band per profile



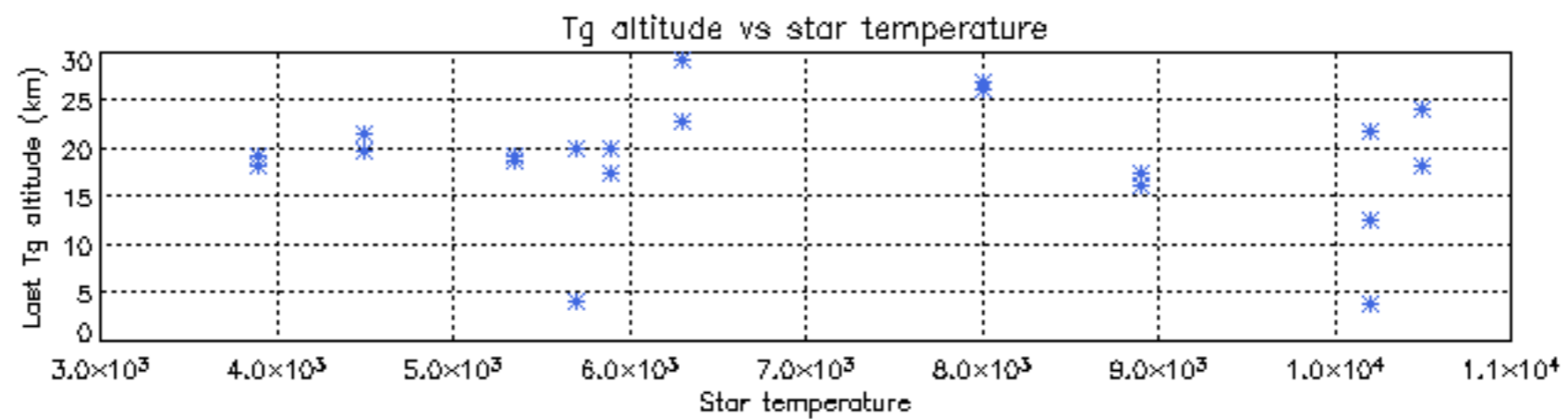
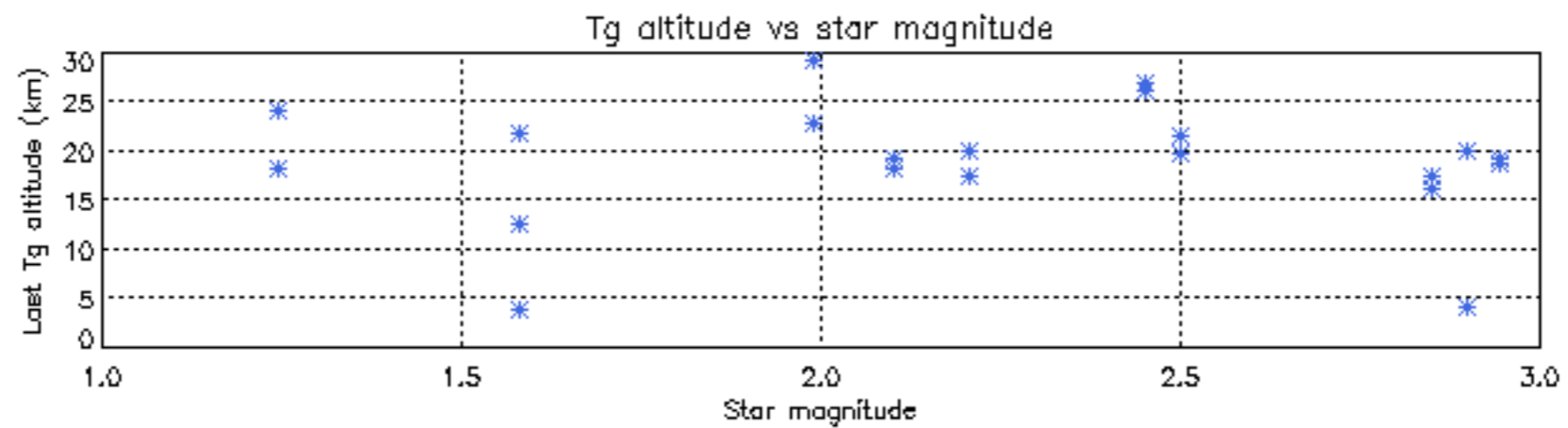
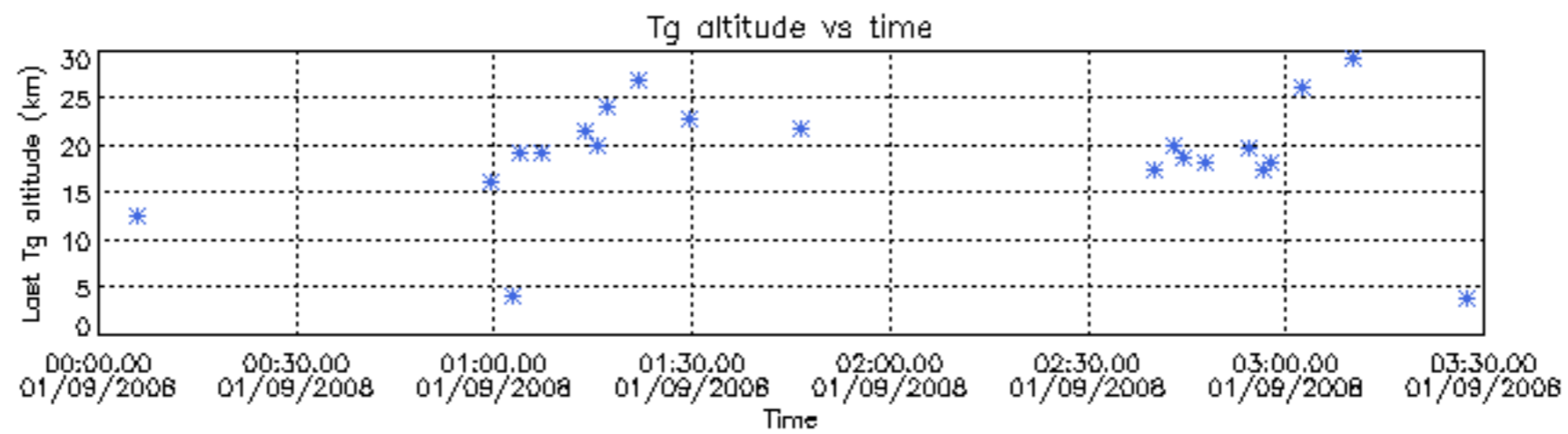
Percentage of saturation errors per profile



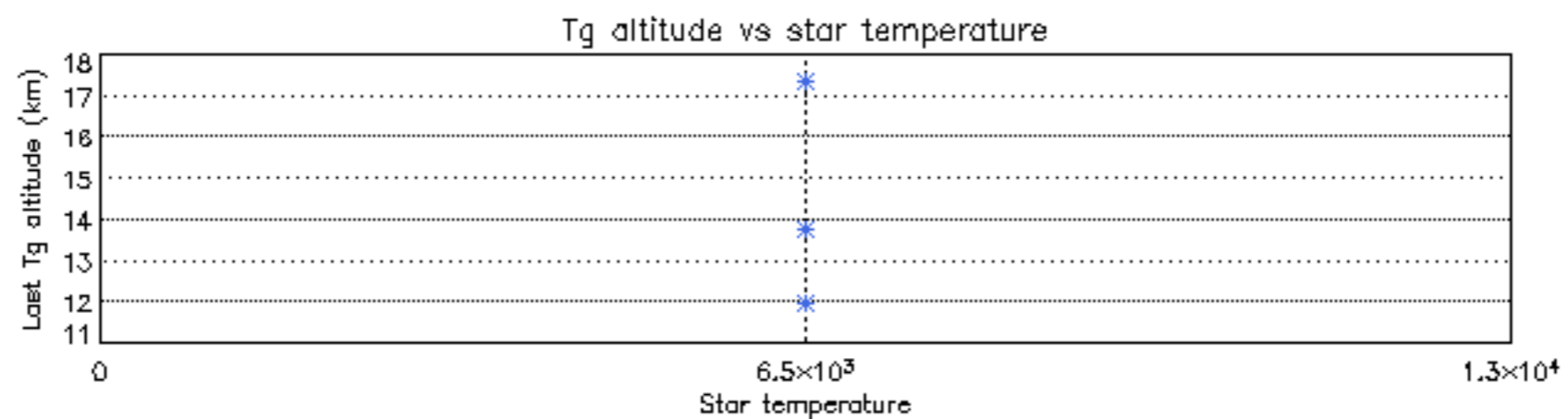
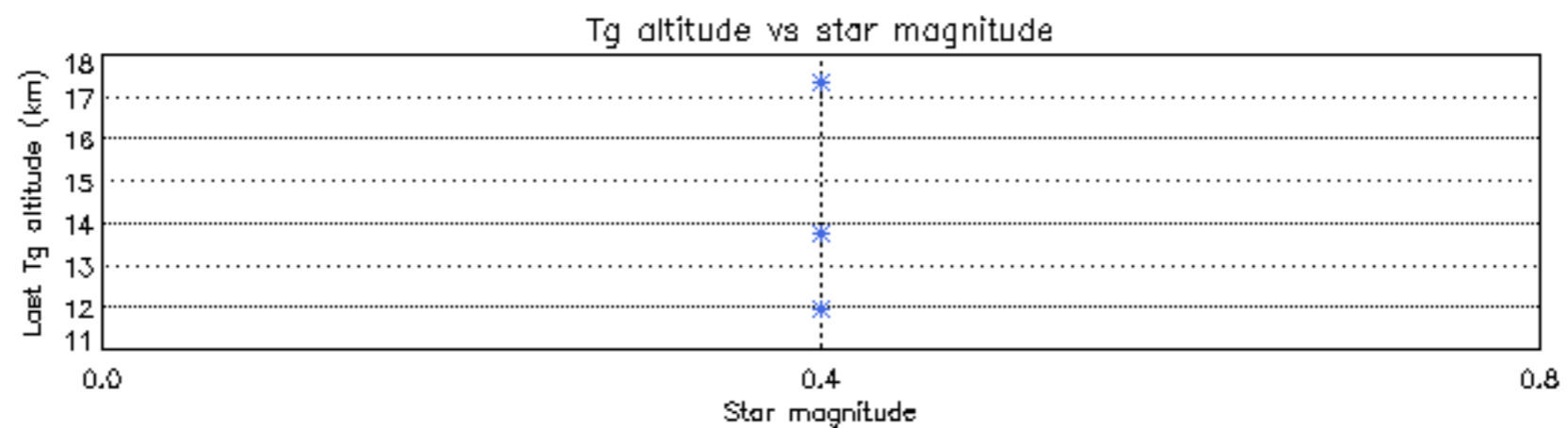
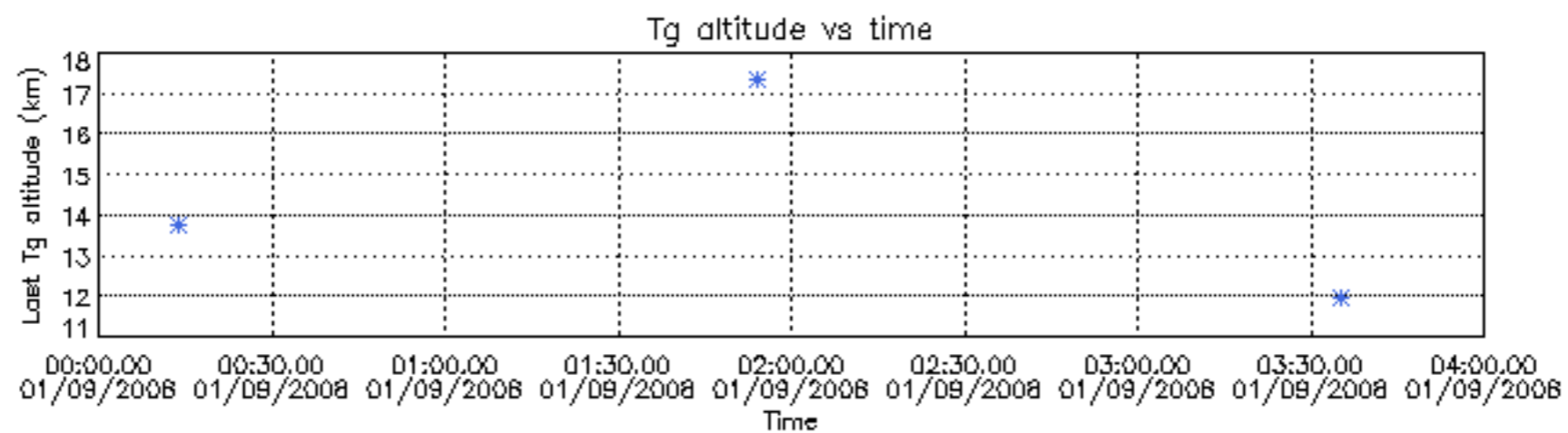
Tangent altitude at which the star is lost

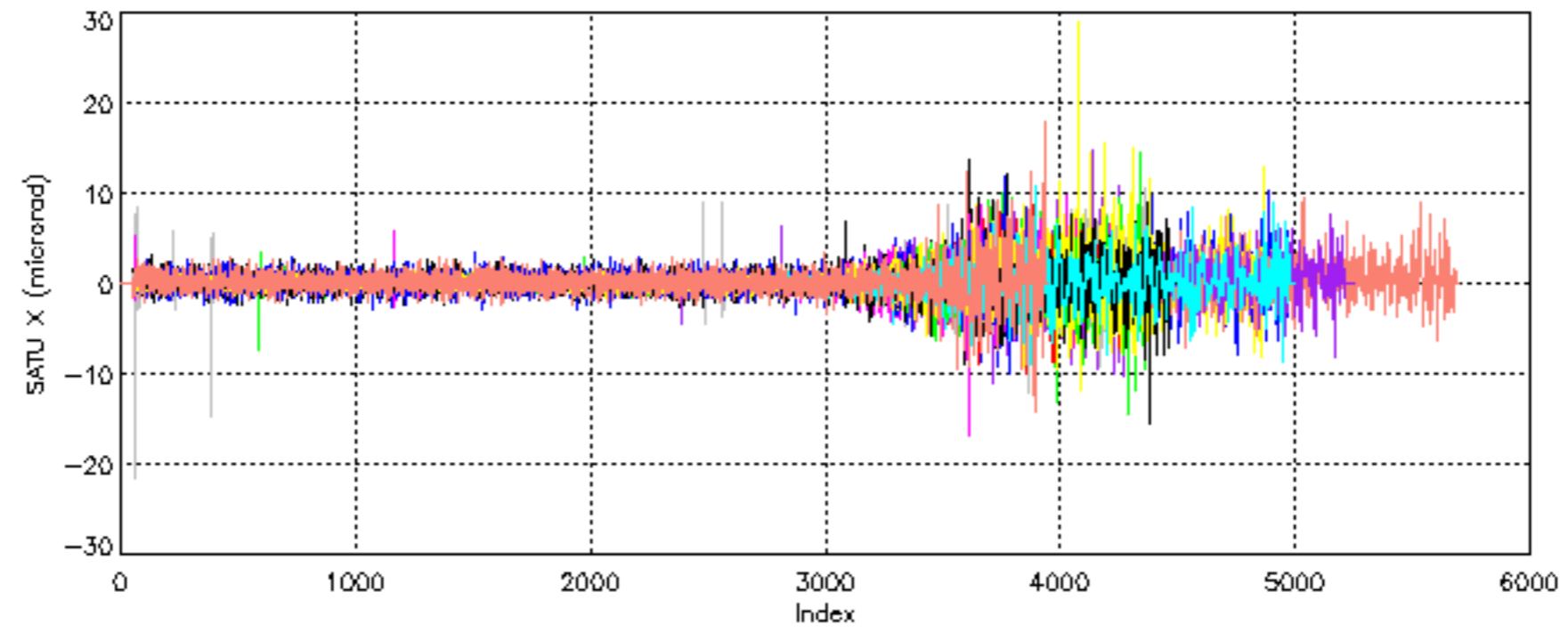


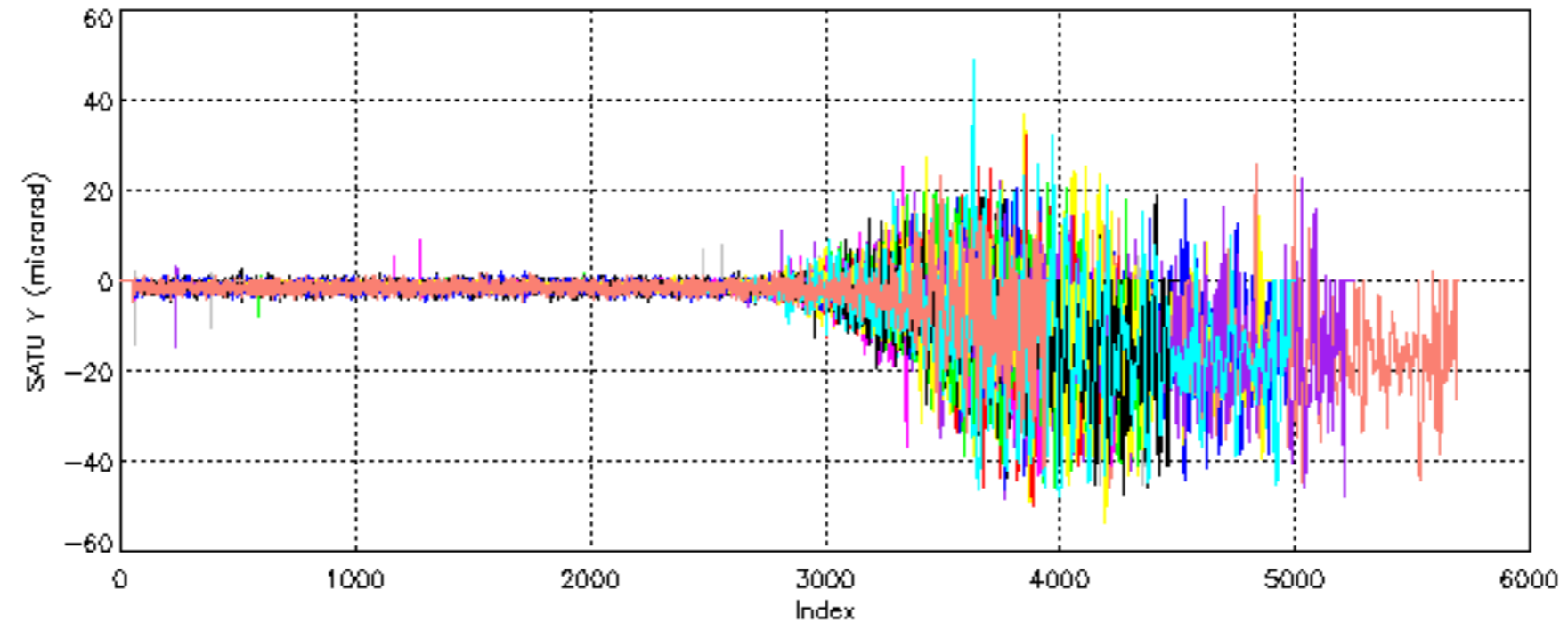
Tangent altitude at which the star is lost

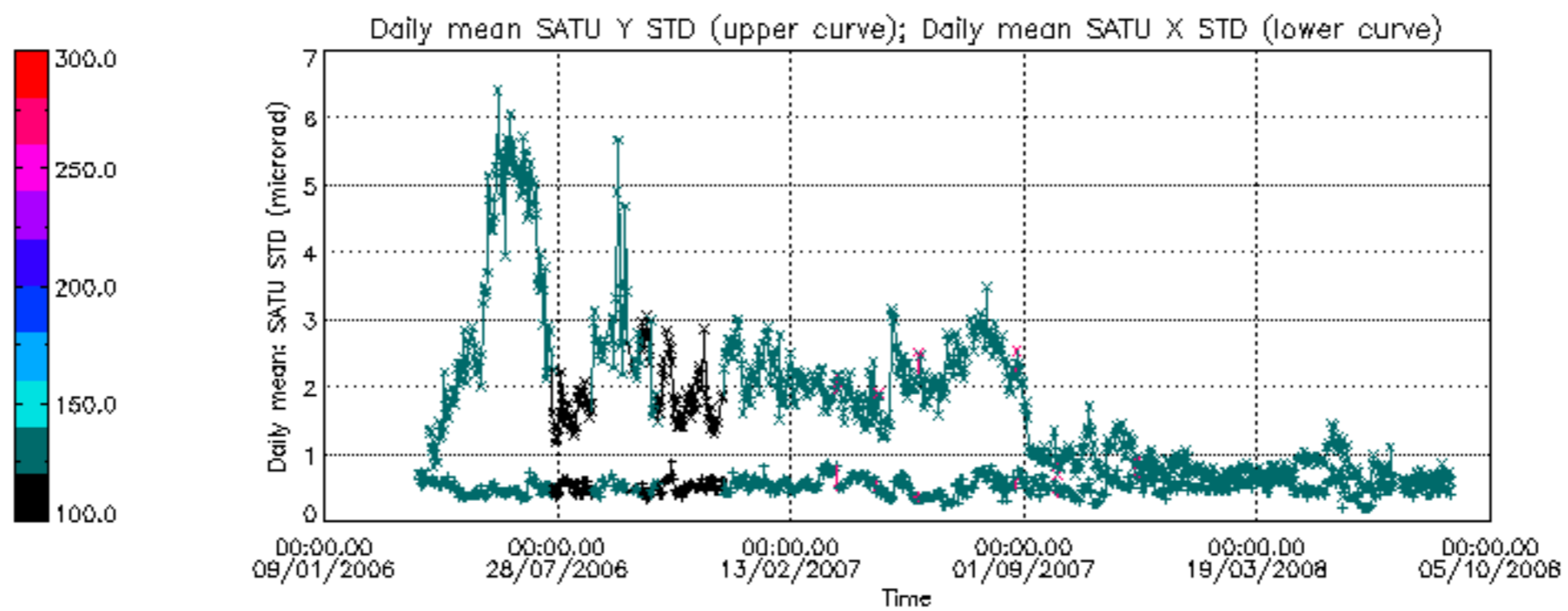


Tangent altitude at which the star is lost









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1; -659.4; 01-SEP-2008 00:20:49; Dark ; 50.0; 1; 9Alp CMA ; -1.44; 11000;occ; 100; 0;34009
 2; -494.2; 01-SEP-2008 00:23:34; Dark ; 41.5; 23; 21Eps CMA ; 1.50; 26000;occ; 83; 0;34009
 3; -399.8; 01-SEP-2008 00:25:09; Dark ; 44.0; 117; Pi Pup ; 2.71; 3800;occ; 88; 0;34009
 4; -276.4; 01-SEP-2008 00:27:12; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;34009
 5; -89.7; 01-SEP-2008 00:30:19; Dark ; 49.0; 2; Alp Car ; -0.74; 7000;occ; 98; 0;34009
 6; 529.6; 01-SEP-2008 00:40:38; Dark ; 38.0; 143; Alp Hyi ; 2.86; 7200;occ; 76; 0;34010
 7; 606.7; 01-SEP-2008 00:41:55; Dark ; 45.0; 9; Alp Eri ; 0.45; 24000;occ; 90; 0;34010
 8; 964.3; 01-SEP-2008 00:47:53; Dark ; 45.0; 84; Alp Phe ; 2.40; 4500;occ; 90; 0;34010
 9; 1085.7; 01-SEP-2008 00:49:54; Dark ; 39.5; 31; Alp Gru ; 1.73; 15200;occ; 79; 0;34010
 10; 1330.7; 01-SEP-2008 00:53:59; Dark ; 47.5; 18; 24Alp PsA ; 1.17; 9700;occ; 95; 0;34010
 11; 1620.0; 01-SEP-2008 00:58:49; Dark ; 39.5; 142; 49Del Cap ; 2.85; 8900;occ; 79; 0;34010
 12; 1807.9; 01-SEP-2008 01:01:56; Bright; 52.5; 154; 22Bet Aqr ; 2.90; 5700;occ; 105; 0;34010
 13; 1895.6; 01-SEP-2008 01:03:24; Bright; 39.0; 162; 34Alp Aqr ; 2.94; 5350;occ; 78; 0;34010
 14; 2075.4; 01-SEP-2008 01:06:24; Bright; 38.0; 61; 8Eps Peg ; 2.10; 3900;occ; 76; 0;34010
 15; 2488.0; 01-SEP-2008 01:13:17; Bright; 35.0; 92; 53Eps Cyg ; 2.50; 4500;occ; 70; 0;34010
 16; 2600.9; 01-SEP-2008 01:15:09; Bright; 36.0; 66; 37Gam Cyg ; 2.21; 5900;occ; 72; 0;34010
 17; 2678.4; 01-SEP-2008 01:16:27; Bright; 34.0; 19; 50Alp Cyg ; 1.25; 10500;occ; 68; 0;34010
 18; 2975.3; 01-SEP-2008 01:21:24; Bright; 33.5; 89; 5Alp Cep ; 2.45; 8000;occ; 67; 0;34010
 19; 3434.5; 01-SEP-2008 01:29:03; Bright; 35.0; 49; 1Alp UMi ; 1.99; 6300;occ; 70; 0;34010
 20; 4453.0; 01-SEP-2008 01:46:02; Bright; 37.0; 24; 66Alp Gem ; 1.58; 10200;occ; 74; 0;34010
 21; 4916.3; 01-SEP-2008 01:53:45; Dark ; 39.0; 8; 10Alp CMi ; 0.40; 6500;occ; 78; 0;34010

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1; -658.8; 01-SEP-2008 02:01:26; Dark ; 57.0; 1; 9Alp CMA ; -1.44; 11000;occ; 114; 0;34010
 2; -493.7; 01-SEP-2008 02:04:11; Dark ; 44.0; 23; 21Eps CMA ; 1.50; 26000;occ; 88; 0;34010
 3; -399.4; 01-SEP-2008 02:05:45; Dark ; 42.5; 117; Pi Pup ; 2.71; 3800;occ; 85; 0;34010
 4; -276.1; 01-SEP-2008 02:07:48; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;34010
 5; -89.2; 01-SEP-2008 02:10:55; Dark ; 43.5; 2; Alp Car ; -0.74; 7000;occ; 87; 0;34010
 6; 530.3; 01-SEP-2008 02:21:15; Dark ; 39.0; 143; Alp Hyi ; 2.86; 7200;occ; 78; 0;34011
 7; 607.6; 01-SEP-2008 02:22:32; Dark ; 44.5; 9; Alp Eri ; 0.45; 24000;occ; 89; 0;34011
 8; 965.0; 01-SEP-2008 02:28:29; Dark ; 52.5; 84; Alp Phe ; 2.40; 4500;occ; 105; 0;34011
 9; 1085.9; 01-SEP-2008 02:30:30; Dark ; 38.5; 31; Alp Gru ; 1.73; 15200;occ; 77; 0;34011
 10; 1331.1; 01-SEP-2008 02:34:35; Dark ; 46.0; 18; 24Alp PsA ; 1.17; 9700;occ; 92; 0;34011
 11; 1620.3; 01-SEP-2008 02:39:25; Dark ; 38.5; 142; 49Del Cap ; 2.85; 8900;occ; 77; 0;34011
 12; 1808.2; 01-SEP-2008 02:42:33; Bright; 36.5; 154; 22Bet Aqr ; 2.90; 5700;occ; 73; 0;34011
 13; 1895.4; 01-SEP-2008 02:44:00; Bright; 39.5; 162; 34Alp Aqr ; 2.94; 5350;occ; 79; 0;34011
 14; 2075.4; 01-SEP-2008 02:47:00; Bright; 38.5; 61; 8Eps Peg ; 2.10; 3900;occ; 77; 0;34011
 15; 2488.0; 01-SEP-2008 02:53:52; Bright; 36.0; 92; 53Eps Cyg ; 2.50; 4500;occ; 72; 0;34011
 16; 2601.0; 01-SEP-2008 02:55:45; Bright; 37.5; 66; 37Gam Cyg ; 2.21; 5900;occ; 75; 0;34011
 17; 2678.5; 01-SEP-2008 02:57:03; Bright; 37.0; 19; 50Alp Cyg ; 1.25; 10500;occ; 74; 0;34011
 18; 2975.2; 01-SEP-2008 03:02:00; Bright; 34.0; 89; 5Alp Cep ; 2.45; 8000;occ; 68; 0;34011
 19; 3434.6; 01-SEP-2008 03:09:39; Bright; 32.5; 49; 1Alp UMi ; 1.99; 6300;occ; 65; 0;34011

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1; -1582.8; 01-SEP-2008 03:26:38; Bright; 55.0; 24; 66Alp Gem ; 1.58; 10200;occ; 110; 0;34011
 2; -1119.3; 01-SEP-2008 03:34:21; Dark ; 44.0; 8; 10Alp CMi ; 0.40; 6500;occ; 88; 0;34011
 3; -658.2; 01-SEP-2008 03:42:02; Dark ; 52.5; 1; 9Alp CMA ; -1.44; 11000;occ; 105; 0;34011
 4; -493.2; 01-SEP-2008 03:44:47; Dark ; 44.0; 23; 21Eps CMA ; 1.50; 26000;occ; 88; 0;34011
 5; -399.0; 01-SEP-2008 03:46:21; Dark ; 45.0; 117; Pi Pup ; 2.71; 3800;occ; 90; 0;34011
 6; -275.7; 01-SEP-2008 03:48:25; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;34011
 7; -88.7; 01-SEP-2008 03:51:32; Dark ; 50.0; 2; Alp Car ; -0.74; 7000;occ; 100; 0;34011
 8; 531.0; 01-SEP-2008 04:01:51; Dark ; 39.5; 143; Alp Hyi ; 2.86; 7200;occ; 79; 0;34012
 9; 608.2; 01-SEP-2008 04:03:09; Dark ; 44.5; 9; Alp Eri ; 0.45; 24000;occ; 89; 0;34012
 10; 965.7; 01-SEP-2008 04:09:06; Dark ; 45.0; 84; Alp Phe ; 2.40; 4500;occ; 90; 0;34012
 11; 1086.3; 01-SEP-2008 04:11:07; Dark ; 36.5; 31; Alp Gru ; 1.73; 15200;occ; 73; 0;34012
 12; 1331.5; 01-SEP-2008 04:15:12; Dark ; 45.5; 18; 24Alp PsA ; 1.17; 9700;occ; 91; 0;34012
 13; 1620.6; 01-SEP-2008 04:20:01; Dark ; 39.5; 142; 49Del Cap ; 2.85; 8900;occ; 79; 0;34012
 14; 1808.1; 01-SEP-2008 04:23:08; Bright; 36.5; 154; 22Bet Aqr ; 2.90; 5700;occ; 73; 0;34012
 15; 1895.6; 01-SEP-2008 04:24:36; Bright; 39.0; 162; 34Alp Aqr ; 2.94; 5350;occ; 78; 0;34012
 16; 2075.4; 01-SEP-2008 04:27:36; Bright; 38.0; 61; 8Eps Peg ; 2.10; 3900;occ; 76; 0;34012
 17; 2488.3; 01-SEP-2008 04:34:29; Bright; 36.5; 92; 53Eps Cyg ; 2.50; 4500;occ; 73; 0;34012
 18; 2601.4; 01-SEP-2008 04:36:22; Bright; 36.0; 66; 37Gam Cyg ; 2.21; 5900;occ; 72; 0;34012
 19; 2678.6; 01-SEP-2008 04:37:39; Bright; 37.0; 19; 50Alp Cyg ; 1.25; 10500;occ; 74; 0;34012
 20; 2975.3; 01-SEP-2008 04:42:36; Bright; 36.5; 89; 5Alp Cep ; 2.45; 8000;occ; 73; 0;34012
 21; 3434.7; 01-SEP-2008 04:50:15; Bright; 36.0; 49; 1Alp UMi ; 1.99; 6300;occ; 72; 0;34012

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1; -1582.6; 01-SEP-2008 05:07:14; Bright; 36.5; 24; 66Alp Gem ; 1.58; 10200;occ; 73; 0;34012
 2; -1118.9; 01-SEP-2008 05:14:57; Dark ; 38.5; 8; 10Alp CMi ; 0.40; 6500;occ; 77; 0;34012
 3; -657.5; 01-SEP-2008 05:22:39; Dark ; 49.5; 1; 9Alp CMA ; -1.44; 11000;occ; 99; 0;34012


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4; -492.5; 01-SEP-2008 05:25:24; Dark ; 45.0; 23; 21Eps CMa ; 1.50; 26000;occ; 90; 0;34012
5; -398.5; 01-SEP-2008 05:26:58; Dark ; 42.0; 117; Pi Pup ; 2.71; 3800;occ; 84; 0;34012
6; -275.3; 01-SEP-2008 05:29:01; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;34012
7; -88.3; 01-SEP-2008 05:32:08; Dark ; 53.5; 2; Alp Car ;-0.74; 7000;occ; 107; 0;34012
8; 531.5; 01-SEP-2008 05:42:28; Dark ; 40.5; 143; Alp Hyi ; 2.86; 7200;occ; 81; 0;34013
9; 608.8; 01-SEP-2008 05:43:45; Dark ; 44.0; 9; Alp Eri ; 0.45; 24000;occ; 88; 0;34013
10; 966.3; 01-SEP-2008 05:49:43; Dark ; 45.0; 84; Alp Phe ; 2.40; 4500;occ; 90; 0;34013
11; 1086.5; 01-SEP-2008 05:51:43; Dark ; 37.0; 31; Alp Gru ; 1.73; 15200;occ; 74; 0;34013
12; 1331.7; 01-SEP-2008 05:55:48; Dark ; 47.0; 18; 24Alp PsA ; 1.17; 9700;occ; 94; 0;34013
13; 1620.7; 01-SEP-2008 06:00:37; Dark ; 42.5; 142; 49Del Cap ; 2.85; 8900;occ; 85; 0;34013
14; 1808.2; 01-SEP-2008 06:03:45; Bright; 36.5; 154; 22Bet Aqr ; 2.90; 5700;occ; 73; 0;34013
15; 1895.6; 01-SEP-2008 06:05:12; Bright; 43.0; 162; 34Alp Aqr ; 2.94; 5350;occ; 86; 0;34013
16; 2075.4; 01-SEP-2008 06:08:12; Bright; 38.5; 61; 8Eps Peg ; 2.10; 3900;occ; 77; 0;34013
17; 2488.4; 01-SEP-2008 06:15:05; Bright; 35.0; 92; 53Eps Cyg ; 2.50; 4500;occ; 70; 0;34013
18; 2601.5; 01-SEP-2008 06:16:58; Bright; 34.5; 66; 37Gam Cyg ; 2.21; 5900;occ; 69; 0;34013
19; 2678.7; 01-SEP-2008 06:18:15; Bright; 36.5; 19; 50Alp Cyg ; 1.25; 10500;occ; 73; 0;34013
20; 2975.2; 01-SEP-2008 06:23:12; Bright; 36.5; 89; 5Alp Cep ; 2.45; 8000;occ; 73; 0;34013
21; 3434.7; 01-SEP-2008 06:30:51; Bright; 36.0; 49; 1Alp UMi ; 1.99; 6300;occ; 72; 0;34013
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3; 1334.1; 01-SEP-2008 21:01:14; Dark ; 42.0; 18; 24Alp PsA ; 1.17; 9700;occ; 84; 0;34022
4; 1621.6; 01-SEP-2008 21:06:01; Dark ; 50.0; 142; 49Del Cap ; 2.85; 8900;occ; 100; 0;34022
5; 1809.1; 01-SEP-2008 21:09:09; Bright; 52.0; 154; 22Bet Aqr ; 2.90; 5700;occ; 104; 0;34022
6; 1895.4; 01-SEP-2008 21:10:35; Bright; 39.5; 162; 34Alp Aqr ; 2.94; 5350;occ; 79; 0;34022
7; 2074.9; 01-SEP-2008 21:13:35; Bright; 39.0; 61; 8Eps Peg ; 2.10; 3900;occ; 78; 0;34022
8; 2488.8; 01-SEP-2008 21:20:29; Bright; 36.5; 92; 53Eps Cyg ; 2.50; 4500;occ; 73; 0;34022
9; 2602.7; 01-SEP-2008 21:22:22; Bright; 33.0; 66; 37Gam Cyg ; 2.21; 5900;occ; 66; 0;34022
10; 2679.0; 01-SEP-2008 21:23:39; Bright; 36.5; 19; 50Alp Cyg ; 1.25; 10500;occ; 73; 0;34022
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14; 4920.2; 01-SEP-2008 22:01:00; Dark ; 47.0; 8; 10Alp CMi ; 0.40; 6500;occ; 94; 0;34022
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2; -487.3; 01-SEP-2008 22:11:28; Dark ; 41.5; 23; 21Eps CMa ; 1.50; 26000;occ; 83; 0;34022
3; -394.5; 01-SEP-2008 22:13:01; Dark ; 41.0; 117; Pi Pup ; 2.71; 3800;occ; 82; 0;34022
4; -271.7; 01-SEP-2008 22:15:04; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;34022
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6; 536.9; 01-SEP-2008 22:28:32; Dark ; 39.0; 143; Alp Hyi ; 2.86; 7200;occ; 78; 0;34023
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 17; 2493.1; 04-SEP-2008 23:06:53; Bright; 34.0; 92; 53Eps Cyg ; 2.50; 4500;occ; 68; 0;34066
 18; 2682.6; 04-SEP-2008 23:10:03; Bright; 36.0; 19; 50Alp Cyg ; 1.25; 10500;occ; 72; 0;34066
 19; 2971.4; 04-SEP-2008 23:14:51; Bright; 37.5; 89; 5Alp Cep ; 2.45; 8000;occ; 75; 0;34066
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 21; 4460.8; 04-SEP-2008 23:39:41; Bright; 38.5; 24; 66Alp Gem ; 1.58; 10200;occ; 77; 0;34066
 22; 4935.2; 04-SEP-2008 23:47:35; Dark ; 44.5; 8; 10Alp CMi ; 0.40; 6500;occ; 89; 0;34066

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 11; 635.1; 04-SEP-2008 07:30:32; Dark ; 43.0; 9; Alp Eri ; 0.45; 24000;occ; 86; 0;34057
 12; 991.0; 04-SEP-2008 07:36:28; Dark ; 57.0; 84; Alp Phe ; 2.40; 4500;occ; 114; 0;34057
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 15; 1343.3; 04-SEP-2008 07:42:20; Dark ; 46.5; 18; 24Alp PsA ; 1.17; 9700;occ; 93; 0;34057
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 6; 2972.0; 04-SEP-2008 08:09:29; Bright; 35.5; 89; 5Alp Cep ; 2.45; 8000;occ; 71; 0;34057
 7; 3434.0; 04-SEP-2008 08:17:11; Bright; 36.0; 49; 1Alp UMi ; 1.99; 6300;occ; 72; 0;34057
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 6; -66.9; 04-SEP-2008 08:59:26; Dark ; 44.0; 2; Alp Car ; -0.74; 7000;occ; 88; 0;34057
 7; 556.1; 04-SEP-2008 09:09:49; Dark ; 40.0; 143; Alp Hyi ; 2.86; 7200;occ; 80; 0;34058
 8; 635.7; 04-SEP-2008 09:11:08; Dark ; 52.5; 9; Alp Eri ; 0.45; 24000;occ; 105; 0;34058
 9; 991.5; 04-SEP-2008 09:17:04; Dark ; 48.5; 84; Alp Phe ; 2.40; 4500;occ; 97; 0;34058
 10; 1097.2; 04-SEP-2008 09:18:50; Dark ; 40.5; 31; Alp Gru ; 1.73; 15200;occ; 81; 0;34058
 11; 1265.8; 04-SEP-2008 09:21:39; Dark ; 37.0; 172; Gam Gru ; 3.00; 13100;occ; 74; 0;34058
 12; 1343.6; 04-SEP-2008 09:22:56; Dark ; 46.5; 18; 24Alp PsA ; 1.17; 9700;occ; 93; 0;34058
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 3; 2074.5; 04-SEP-2008 09:35:07; Bright; 38.5; 61; 8Eps Peg ; 2.10; 3900;occ; 77; 0;34058
 4; 2492.3; 04-SEP-2008 09:42:05; Bright; 35.5; 92; 53Eps Cyg ; 2.50; 4500;occ; 71; 0;34058
 5; 2681.8; 04-SEP-2008 09:45:15; Bright; 36.0; 19; 50Alp Cyg ; 1.25; 10500;occ; 72; 0;34058
 6; 2972.0; 04-SEP-2008 09:50:05; Bright; 36.5; 89; 5Alp Cep ; 2.45; 8000;occ; 73; 0;34058
 7; 3433.9; 04-SEP-2008 09:57:47; Bright; 35.5; 49; 1Alp UMi ; 1.99; 6300;occ; 71; 0;34058
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5; -467.0; 04-SEP-2008 10:33:22; Dark ; 43.0; 23; 21Eps CMA ; 1.50; 26000;occ; 86; 0;34058
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7; -257.8; 04-SEP-2008 10:36:51; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;34058
8; -137.9; 04-SEP-2008 10:38:51; Dark ; 38.5; 161; Tau Pup ; 2.93; 4500;occ; 77; 0;34058
9; -66.4; 04-SEP-2008 10:40:02; Dark ; 46.5; 2; Alp Car ;-0.74; 7000;occ; 93; 0;34058
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12; 992.1; 04-SEP-2008 10:57:41; Dark ; 50.0; 84; Alp Phe ; 2.40; 4500;occ; 100; 0;34059
13; 1097.4; 04-SEP-2008 10:59:26; Dark ; 42.5; 31; Alp Gru ; 1.73; 15200;occ; 85; 0;34059
14; 1266.0; 04-SEP-2008 11:02:15; Dark ; 37.5; 172; Gam Gru ; 3.00; 13100;occ; 75; 0;34059
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4; 2492.4; 04-SEP-2008 11:22:41; Bright; 36.5; 92; 53Eps Cyg ; 2.50; 4500;occ; 73; 0;34059
5; 2681.9; 04-SEP-2008 11:25:50; Bright; 33.5; 19; 50Alp Cyg ; 1.25; 10500;occ; 67; 0;34059
6; 2971.8; 04-SEP-2008 11:30:40; Bright; 36.0; 89; 5Alp Cep ; 2.45; 8000;occ; 72; 0;34059
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8; 4459.9; 04-SEP-2008 11:55:28; Bright; 40.5; 24; 66Alp Gem ; 1.58; 10200;occ; 81; 0;34059
9; 4932.8; 04-SEP-2008 12:03:21; Dark ; 48.5; 8; 10Alp CMi ; 0.40; 6500;occ; 97; 0;34059
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13; 5657.3; 04-SEP-2008 12:15:26; Dark ; 44.0; 117; Pi Pup ; 2.71; 3800;occ; 88; 0;34059
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19; 7028.5; 04-SEP-2008 12:38:17; Dark ; 53.0; 84; Alp Phe ; 2.40; 4500;occ; 106; 0;34059
20; 7133.5; 04-SEP-2008 12:40:02; Dark ; 38.5; 31; Alp Gru ; 1.73; 15200;occ; 77; 0;34059
21; 7302.3; 04-SEP-2008 12:42:51; Dark ; 36.5; 172; Gam Gru ; 3.00; 13100;occ; 73; 0;34059
22; 7379.9; 04-SEP-2008 12:44:08; Dark ; 47.0; 18; 24Alp PsA ; 1.17; 9700;occ; 94; 0;34059
23; 7662.9; 04-SEP-2008 12:48:51; Dark ; 25.5; 142; 49Del Cap ; 2.85; 8900;occ; 51; 0;34059

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13; 5570.0; 04-SEP-2008 13:54:34; Dark ; 41.5; 23; 21Eps CMA ; 1.50; 26000;occ; 83; 0;34060
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22; 7302.4; 04-SEP-2008 14:23:27; Dark ; 38.0; 172; Gam Gru ; 3.00; 13100;occ; 76; 0;34060
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5; 2492.6; 04-SEP-2008 14:43:53; Bright; 36.0; 92; 53Eps Cyg ; 2.50; 4500;occ; 72; 0;34061
6; 2682.2; 04-SEP-2008 14:47:02; Bright; 36.5; 19; 50Alp Cyg ; 1.25; 10500;occ; 73; 0;34061
7; 2971.8; 04-SEP-2008 14:51:52; Bright; 33.0; 89; 5Alp Cep ; 2.45; 8000;occ; 66; 0;34061

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8; 640.7; 05-SEP-2008 00:16:37; Dark ; 45.0; 9; Alp Eri ; 0.45; 24000;occ; 90; 0;34067
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16; 4482.3; 16-SEP-2008 00:34:39; Bright; 44.0; 24; 66Alp Gem ; 1.58; 10200;occ; 88; 0;34224
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11; 6672.1; 15-SEP-2008 08:25:10; Dark ; 40.0; 143; Alp Hyi ; 2.86; 7200;occ; 80; 0;34214
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9; 5902.4; 15-SEP-2008 11:33:32; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;34216
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6; 25.8; 16-SEP-2008 01:00:59; Dark ; 45.5; 2; Alp Car ; -0.74; 7000;occ; 91; 0;34225
7; 641.0; 16-SEP-2008 01:11:14; Dark ; 39.5; 143; Alp Hyi ; 2.86; 7200;occ; 79; 0;34225
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13; 2533.2; 16-SEP-2008 01:42:46; Bright; 26.0; 58; 21Alp And ; 2.07; 11000;occ; 52; 0;34225
14; 3025.1; 16-SEP-2008 01:50:58; Bright; 40.5; 74; 11Bet Cas ; 2.27; 6600;occ; 81; 0;34225
15; 3132.3; 16-SEP-2008 01:52:45; Bright; 43.0; 76; 27Gam Cas ; 2.30; 30000;occ; 86; 0;34225
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7; 641.4; 16-SEP-2008 02:51:50; Dark ; 38.5; 143; Alp Hyi ; 2.86; 7200;occ; 77; 0;34226
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14; 3019.8; 16-SEP-2008 21:58:04; Bright; 40.0; 74; 11Bet Cas ; 2.27; 6600;occ; 80; 0;34237
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 3; 2174.9; 17-SEP-2008 21:12:22; Bright; 37.5; 90; 54Alp Peg ; 2.49; 11000;occ; 75; 0;34251
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3; -256.5; 22-SEP-2008 22:55:34; Dark ; 47.5; 23; 21Eps CMA ; 1.50; 26000;occ; 95; 0;34323
4; -119.1; 22-SEP-2008 22:57:51; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;34323
5; 8.1; 22-SEP-2008 22:59:59; Dark ; 40.0; 161; Tau Pup ; 2.93; 4500;occ; 80; 0;34324
6; 142.6; 22-SEP-2008 23:02:13; Dark ; 34.0; 108; Alp Col ; 2.65; 15200;occ; 68; 0;34324
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11; 2392.4; 22-SEP-2008 23:39:43; Bright; 38.0; 93; 53Bet Peg ; 2.52; 3100;occ; 76; 0;34324
12; 2476.8; 22-SEP-2008 23:41:07; Bright; 41.5; 58; 21Alp And ; 2.07; 11000;occ; 83; 0;34324
13; 2985.4; 22-SEP-2008 23:49:36; Bright; 39.5; 74; 11Bet Cas ; 2.27; 6600;occ; 79; 0;34324
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8; 769.3; 22-SEP-2008 08:07:16; Dark ; 51.5; 9; Alp Eri ; 0.45; 24000;occ; 103; 0;34315
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4; -336.4; 23-SEP-2008 03:56:02; Dark ; 45.5; 88; 31Eta CMa ; 2.45; 20000;occ; 91; 0;34326
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11; 2470.4; 23-SEP-2008 23:09:24; Bright; 41.0; 58; 21Alp And ; 2.07; 11000;occ; 82; 0;34338
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13; 3073.9; 23-SEP-2008 23:19:28; Bright; 41.0; 76; 27Gam Cas ; 2.30; 30000;occ; 82; 0;34338
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5; 3077.9; 23-SEP-2008 09:54:44; Bright; 40.5; 76; 27Gam Cas ; 2.30; 30000;occ; 81; 0;34330
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12; 6048.8; 23-SEP-2008 10:44:15; Dark ; 42.0; 161; Tau Pup ; 2.93; 4500;occ; 84; 0;34330
13; 6131.4; 23-SEP-2008 10:45:38; Dark ; 48.5; 2; Alp Car ; -0.74; 7000;occ; 97; 0;34330
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8; 5511.4; 23-SEP-2008 12:15:53; Dark ; 39.5; 132; 15Rho Pup ; 2.80; 6900;occ; 79; 0;34331
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13; 6812.8; 23-SEP-2008 12:37:35; Dark ; 48.5; 9; Alp Eri ; 0.45; 24000;occ; 97; 0;34331
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5; 2982.8; 23-SEP-2008 13:14:21; Bright; 40.0; 74; 11Bet Cas ; 2.27; 6600;occ; 80; 0;34332
6; 3076.9; 23-SEP-2008 13:15:55; Bright; 38.0; 76; 27Gam Cas ; 2.30; 30000;occ; 76; 0;34332
7; 4576.1; 23-SEP-2008 13:40:54; Bright; 50.5; 17; 78Bet Gem ; 1.16; 4500;occ; 101; 0;34332
8; 5073.8; 23-SEP-2008 13:49:12; Dark ; 63.5; 8; 10Alp CMI ; 0.40; 6500;occ; 127; 0;34332
9; 5512.1; 23-SEP-2008 13:56:30; Dark ; 41.0; 132; 15Rho Pup ; 2.80; 6900;occ; 82; 0;34332
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11; 5789.0; 23-SEP-2008 14:01:07; Dark ; 47.5; 23; 21Eps CMA ; 1.50; 26000;occ; 95; 0;34332
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13; 6050.2; 23-SEP-2008 14:05:28; Dark ; 41.5; 161; Tau Pup ; 2.93; 4500;occ; 83; 0;34332
14; 6813.4; 23-SEP-2008 14:18:11; Dark ; 41.5; 9; Alp Eri ; 0.45; 24000;occ; 83; 0;34332
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6; 3076.4; 23-SEP-2008 14:56:30; Bright; 42.0; 76; 27Gam Cas ; 2.30; 30000;occ; 84; 0;34333
7; 4576.4; 23-SEP-2008 15:21:30; Bright; 50.5; 17; 78Bet Gem ; 1.16; 4500;occ; 101; 0;34333
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8; 4576.7; 23-SEP-2008 17:02:06; Bright; 50.5; 17; 78Bet Gem ; 1.16; 4500;occ; 101; 0;34334
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4; 2390.0; 24-SEP-2008 17:34:39; Bright; 38.5; 93; 53Bet Peg ; 2.52; 3100;occ; 77; 0;34349
5; 2976.9; 24-SEP-2008 17:44:26; Bright; 39.0; 74; 11Bet Cas ; 2.27; 6600;occ; 78; 0;34349
6; 3068.9; 24-SEP-2008 17:45:58; Bright; 41.0; 76; 27Gam Cas ; 2.30; 30000;occ; 82; 0;34349
7; 4500.0; 24-SEP-2008 18:09:49; Bright; 51.5; 24; 66Alp Gem ; 1.58; 10200;occ; 103; 0;34349
8; 5086.8; 24-SEP-2008 18:19:36; Dark ; 73.0; 8; 10Alp CMi ; 0.40; 6500;occ; 146; 0;34349
9; 5523.2; 24-SEP-2008 18:26:52; Dark ; 43.5; 132; 15Rho Pup ; 2.80; 6900;occ; 87; 0;34349
10; 5719.9; 24-SEP-2008 18:30:09; Dark ; 43.5; 88; 31Eta CMA ; 2.45; 20000;occ; 87; 0;34349
11; 5807.2; 24-SEP-2008 18:31:36; Dark ; 50.0; 23; 21Eps CMA ; 1.50; 26000;occ; 100; 0;34349

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6; 3068.3; 24-SEP-2008 19:26:33; Bright; 41.0; 76; 27Gam Cas ; 2.30; 30000;occ; 82; 0;34350
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8; 5087.5; 24-SEP-2008 20:00:12; Dark ; 67.5; 8; 10Alp CMi ; 0.40; 6500;occ; 135; 0;34350
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11; 5808.3; 24-SEP-2008 20:12:13; Dark ; 50.5; 23; 21Eps CMA ; 1.50; 26000;occ; 101; 0;34350
12; 5934.6; 24-SEP-2008 20:14:19; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;34350
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3; -99.4; 25-SEP-2008 01:16:09; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;34353
4; 28.4; 25-SEP-2008 01:18:17; Dark ; 41.5; 161; Tau Pup ; 2.93; 4500;occ; 83; 0;34354
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7; 1546.4; 25-SEP-2008 01:43:35; Dark ; 50.0; 52; 16Bet Cet ; 2.04; 4500;occ; 100; 0;34354
8; 2166.7; 25-SEP-2008 01:53:55; Bright; 35.5; 90; 54Alp Peg ; 2.49; 11000;occ; 71; 0;34354
9; 2389.4; 25-SEP-2008 01:57:38; Bright; 39.5; 93; 53Bet Peg ; 2.52; 3100;occ; 79; 0;34354
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6; 29.1; 25-SEP-2008 02:58:53; Dark ; 49.0; 161; Tau Pup ; 2.93; 4500;occ; 98; 0;34355
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11; 2389.4; 25-SEP-2008 03:38:14; Bright; 36.0; 93; 53Bet Peg ; 2.52; 3100;occ; 72; 0;34355
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4; -310.8; 25-SEP-2008 04:33:49; Dark ; 44.5; 88; 31Eta CMA ; 2.45; 20000;occ; 89; 0;34355
5; -222.1; 25-SEP-2008 04:35:18; Dark ; 51.0; 23; 21Eps CMA ; 1.50; 26000;occ; 102; 0;34355
6; -98.0; 25-SEP-2008 04:37:22; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;34355
7; 29.8; 25-SEP-2008 04:39:30; Dark ; 42.0; 161; Tau Pup ; 2.93; 4500;occ; 84; 0;34356
8; 787.3; 25-SEP-2008 04:52:08; Dark ; 41.5; 9; Alp Eri ; 0.45; 24000;occ; 83; 0;34356
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12; 2389.4; 25-SEP-2008 05:18:50; Bright; 38.5; 93; 53Bet Peg ; 2.52; 3100;occ; 77; 0;34356
13; 2974.7; 25-SEP-2008 05:28:35; Bright; 39.0; 74; 11Bet Cas ; 2.27; 6600;occ; 78; 0;34356
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4; -310.0; 25-SEP-2008 06:14:26; Dark ; 48.0; 88; 31Eta CMA ; 2.45; 20000;occ; 96; 0;34356
5; -221.2; 25-SEP-2008 06:15:55; Dark ; 54.0; 23; 21Eps CMA ; 1.50; 26000;occ; 108; 0;34356
6; -97.4; 25-SEP-2008 06:17:59; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;34356
7; 30.5; 25-SEP-2008 06:20:07; Dark ; 41.5; 161; Tau Pup ; 2.93; 4500;occ; 83; 0;34357
8; 787.8; 25-SEP-2008 06:32:44; Dark ; 50.0; 9; Alp Eri ; 0.45; 24000;occ; 100; 0;34357
9; 1117.7; 25-SEP-2008 06:38:14; Dark ; 43.0; 84; Alp Phe ; 2.40; 4500;occ; 86; 0;34357

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12; 2389.2; 25-SEP-2008 06:59:26; Bright; 37.5; 93; 53Bet Peg ; 2.52; 3100;occ; 75; 0;34357
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3; 2166.4; 25-SEP-2008 20:20:30; Bright; 37.0; 90; 54Alp Peg ; 2.49; 11000;occ; 74; 0;34365
4; 2388.5; 25-SEP-2008 20:24:12; Bright; 38.5; 93; 53Bet Peg ; 2.52; 3100;occ; 77; 0;34365
5; 2971.7; 25-SEP-2008 20:33:56; Bright; 57.0; 74; 11Bet Cas ; 2.27; 6600;occ; 114; 0;34365
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3; -301.7; 25-SEP-2008 21:19:58; Dark ; 45.0; 88; 31Eta CMA ; 2.45; 20000;occ; 90; 0;34365
4; -211.2; 25-SEP-2008 21:21:29; Dark ; 49.5; 23; 21Eps CMA ; 1.50; 26000;occ; 99; 0;34365
5; -91.3; 25-SEP-2008 21:23:29; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;34365
6; 36.6; 25-SEP-2008 21:25:36; Dark ; 42.5; 161; Tau Pup ; 2.93; 4500;occ; 85; 0;34366
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12; 2971.3; 25-SEP-2008 22:14:31; Bright; 39.0; 74; 11Bet Cas ; 2.27; 6600;occ; 78; 0;34366
13; 3061.0; 25-SEP-2008 22:16:01; Bright; 41.5; 76; 27Gam Cas ; 2.30; 30000;occ; 83; 0;34366
14; 4583.8; 25-SEP-2008 22:41:24; Bright; 51.5; 17; 78Bet Gem ; 1.16; 4500;occ; 103; 0;34366
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3; -210.1; 25-SEP-2008 23:02:06; Dark ; 50.0; 23; 21Eps CMA ; 1.50; 26000;occ; 100; 0;34366
4; -90.6; 25-SEP-2008 23:04:05; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;34366
5; 37.3; 25-SEP-2008 23:06:13; Dark ; 42.0; 161; Tau Pup ; 2.93; 4500;occ; 84; 0;34367
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13; 4584.0; 26-SEP-2008 00:22:00; Bright; 52.5; 17; 78Bet Gem ; 1.16; 4500;occ; 105; 0;34367
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6; -96.7; 25-SEP-2008 07:58:36; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;34357
7; 31.2; 25-SEP-2008 08:00:43; Dark ; 41.0; 161; Tau Pup ; 2.93; 4500;occ; 82; 0;34358
8; 788.2; 25-SEP-2008 08:13:21; Dark ; 48.0; 9; Alp Eri ; 0.45; 24000;occ; 96; 0;34358
9; 1118.1; 25-SEP-2008 08:18:50; Dark ; 42.5; 84; Alp Phe ; 2.40; 4500;occ; 85; 0;34358
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3; 2974.0; 25-SEP-2008 08:49:46; Bright; 39.0; 74; 11Bet Cas ; 2.27; 6600;occ; 78; 0;34358
4; 3064.7; 25-SEP-2008 08:51:17; Bright; 40.5; 76; 27Gam Cas ; 2.30; 30000;occ; 81; 0;34358
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6; 5093.9; 25-SEP-2008 09:25:06; Dark ; 74.0; 8; 10Alp CMI ; 0.40; 6500;occ; 148; 0;34358
7; 5529.3; 25-SEP-2008 09:32:22; Dark ; 42.0; 132; 15Rho Pup ; 2.80; 6900;occ; 84; 0;34358
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11; 6067.7; 25-SEP-2008 09:41:20; Dark ; 47.0; 161; Tau Pup ; 2.93; 4500;occ; 94; 0;34358
12; 6824.6; 25-SEP-2008 09:53:57; Dark ; 52.5; 9; Alp Eri ; 0.45; 24000;occ; 105; 0;34358
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12; 6903.2; 26-SEP-2008 09:23:39; Dark ; 51.5; 157; The1Eri ; 2.91; 9300;occ; 103; 0;34372
13; 7158.8; 26-SEP-2008 09:27:54; Dark ; 44.0; 84; Alp Phe ; 2.40; 4500;occ; 88; 0;34372
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3; 2969.2; 26-SEP-2008 09:58:40; Bright; 37.5; 74; 11Bet Cas ; 2.27; 6600;occ; 75; 0;34373
4; 3058.1; 26-SEP-2008 10:00:09; Bright; 56.5; 76; 27Gam Cas ; 2.30; 30000;occ; 113; 0;34373
5; 4585.7; 26-SEP-2008 10:25:37; Bright; 53.0; 17; 78Bet Gem ; 1.16; 4500;occ; 106; 0;34373
6; 5106.2; 26-SEP-2008 10:34:17; Dark ; 28.0; 8; 10Alp CMi ; 0.40; 6500;occ; 56; 0;34373
7; 5539.7; 26-SEP-2008 10:41:31; Dark ; 42.5; 132; 15Rho Pup ; 2.80; 6900;occ; 85; 0;34373
8; 5741.9; 26-SEP-2008 10:44:53; Dark ; 47.5; 88; 31Eta CMa ; 2.45; 20000;occ; 95; 0;34373
9; 5833.8; 26-SEP-2008 10:46:25; Dark ; 52.5; 23; 21Eps CMa ; 1.50; 26000;occ; 105; 0;34373
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12; 6903.8; 26-SEP-2008 11:04:15; Dark ; 50.0; 157; The1Eri ; 2.91; 9300;occ; 100; 0;34373
13; 7159.1; 26-SEP-2008 11:08:30; Dark ; 39.5; 84; Alp Phe ; 2.40; 4500;occ; 79; 0;34373
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3; 2968.8; 26-SEP-2008 11:39:16; Bright; 39.5; 74; 11Bet Cas ; 2.27; 6600;occ; 79; 0;34374
4; 3057.6; 26-SEP-2008 11:40:45; Bright; 40.0; 76; 27Gam Cas ; 2.30; 30000;occ; 80; 0;34374

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7; 5742.9; 26-SEP-2008 12:25:30; Dark ; 47.0; 88; 31Eta CMA ; 2.45; 20000;occ; 94; 0;34374
8; 5835.0; 26-SEP-2008 12:27:02; Dark ; 50.5; 23; 21Eps CMA ; 1.50; 26000;occ; 101; 0;34374
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3; 2968.6; 26-SEP-2008 13:19:52; Bright; 39.0; 74; 11Bet Cas ; 2.27; 6600;occ; 78; 0;34375
4; 3057.2; 26-SEP-2008 13:21:20; Bright; 40.5; 76; 27Gam Cas ; 2.30; 30000;occ; 81; 0;34375
5; 4586.1; 26-SEP-2008 13:46:49; Bright; 53.5; 17; 78Bet Gem ; 1.16; 4500;occ; 107; 0;34375
6; 5541.2; 26-SEP-2008 14:02:44; Dark ; 43.5; 132; 15Rho Pup ; 2.80; 6900;occ; 87; 0;34375
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11; 6905.6; 26-SEP-2008 14:25:29; Dark ; 52.0; 157; The1Eri ; 2.91; 9300;occ; 104; 0;34375
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3; 2387.9; 26-SEP-2008 14:50:47; Bright; 38.0; 93; 53Bet Peg ; 2.52; 3100;occ; 76; 0;34376
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5; 3056.8; 26-SEP-2008 15:01:56; Bright; 40.5; 76; 27Gam Cas ; 2.30; 30000;occ; 81; 0;34376
6; 4586.4; 26-SEP-2008 15:27:25; Bright; 52.5; 17; 78Bet Gem ; 1.16; 4500;occ; 105; 0;34376
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4; 2387.8; 26-SEP-2008 16:31:23; Bright; 38.0; 93; 53Bet Peg ; 2.52; 3100;occ; 76; 0;34377
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4; 2387.7; 26-SEP-2008 18:11:59; Bright; 39.0; 93; 53Bet Peg ; 2.52; 3100;occ; 78; 0;34378
5; 2967.6; 26-SEP-2008 18:21:39; Bright; 39.0; 74; 11Bet Cas ; 2.27; 6600;occ; 78; 0;34378
6; 3055.8; 26-SEP-2008 18:23:07; Bright; 40.5; 76; 27Gam Cas ; 2.30; 30000;occ; 81; 0;34378
7; 4586.8; 26-SEP-2008 18:48:38; Bright; 55.0; 17; 78Bet Gem ; 1.16; 4500;occ; 110; 0;34378
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9; 5746.6; 26-SEP-2008 19:07:58; Dark ; 45.0; 88; 31Eta CMA ; 2.45; 20000;occ; 90; 0;34378
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4; 2386.9; 27-SEP-2008 21:01:33; Bright; 38.0; 93; 53Bet Peg ; 2.52; 3100;occ; 76; 0;34394
5; 2962.8; 27-SEP-2008 21:11:09; Bright; 38.5; 74; 11Bet Cas ; 2.27; 6600;occ; 77; 0;34394

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6; 2630.7; 27-SEP-2008 07:40:49; Bright; 59.5; 0; ; 0.00; 0;occ; 119; 0;34386
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7; 2870.4; 27-SEP-2008 09:25:25; Bright; 59.5; 0; ; 0.00; 0;occ; 119; 0;34387
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17; 5500.5; 27-SEP-2008 10:09:15; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;34387
18; 5813.8; 27-SEP-2008 10:14:28; Dark ; 59.0; 0; ; 0.00; 0;occ; 118; 0;34387
19; 6784.3; 27-SEP-2008 10:30:39; Dark ; 105.0; 9; Alp Eri ; 0.45; 24000;occ; 210; 0;34387
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4; 3377.4; 27-SEP-2008 11:14:28; Bright; 88.5; 49; 1Alp UMi ; 1.99; 6300;occ; 177; 0;34388
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6; 4527.3; 27-SEP-2008 11:33:38; Bright; 85.5; 166; 17Eps Leo ; 2.98; 6000;occ; 171; 0;34388
7; 5092.7; 27-SEP-2008 11:43:03; Dark ; 99.0; 48; 30Alp Hya ; 1.98; 4100;occ; 198; 0;34388
8; 5492.8; 27-SEP-2008 11:49:43; Dark ; 100.0; 132; 15Rho Pup ; 2.80; 6900;occ; 200; 0;34388
9; 5674.5; 27-SEP-2008 11:52:45; Dark ; 97.5; 65; Lam Vel ; 2.20; 4400;occ; 195; 0;34388

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 13; 7110.4; 27-SEP-2008 12:16:41; Dark ; 96.0; 84; Alp Phe ; 2.40; 4500;occ; 192; 0;34388
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 3; 2909.0; 27-SEP-2008 12:47:15; Bright; 97.5; 68; 18Alp Cas ; 2.22; 4500;occ; 195; 0;34389
 4; 3377.4; 27-SEP-2008 12:55:03; Bright; 88.0; 49; 1Alp UMi ; 1.99; 6300;occ; 176; 0;34389
 5; 3849.3; 27-SEP-2008 13:02:55; Bright; 87.0; 36; 50Alp UMa ; 1.80; 6300;occ; 174; 0;34389
 6; 4527.4; 27-SEP-2008 13:14:13; Bright; 85.0; 166; 17Eps Leo ; 2.98; 6000;occ; 170; 0;34389
 7; 5092.9; 27-SEP-2008 13:23:39; Dark ; 101.0; 48; 30Alp Hya ; 1.98; 4100;occ; 202; 0;34389
 8; 5493.5; 27-SEP-2008 13:30:20; Dark ; 104.0; 132; 15Rho Pup ; 2.80; 6900;occ; 208; 0;34389
 9; 5674.8; 27-SEP-2008 13:33:21; Dark ; 93.5; 65; Lam Vel ; 2.20; 4400;occ; 187; 0;34389
 10; 5821.2; 27-SEP-2008 13:35:47; Dark ; 90.5; 34; Gam2Vel ; 1.79; 23000;occ; 181; 0;34389
 11; 5961.3; 27-SEP-2008 13:38:07; Dark ; 59.0; 0; ; 0.00; 0;occ; 118; 0;34389
 12; 6173.3; 27-SEP-2008 13:41:39; Dark ; 58.0; 2; Alp Car ;-0.74; 7000;occ; 116; 0;34389
 13; 6750.1; 27-SEP-2008 13:51:16; Dark ; 38.0; 143; Alp Hyi ; 2.86; 7200;occ; 76; 0;34389
 14; 6837.6; 27-SEP-2008 13:52:44; Dark ; 40.0; 9; Alp Eri ; 0.45; 24000;occ; 80; 0;34389
 15; 7164.2; 27-SEP-2008 13:58:10; Dark ; 40.0; 84; Alp Phe ; 2.40; 4500;occ; 80; 0;34389
 16; 7587.4; 27-SEP-2008 14:05:13; Dark ; 10.0; 52; 16Bet Cet ; 2.04; 4500;occ; 20; 0;34389
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 5; 57.3; 27-SEP-2008 22:03:19; Dark ; 42.5; 161; Tau Pup ; 2.93; 4500;occ; 85; 0;34395
 6; 716.2; 27-SEP-2008 22:14:18; Dark ; 37.5; 143; Alp Hyi ; 2.86; 7200;occ; 75; 0;34395
 7; 803.7; 27-SEP-2008 22:15:45; Dark ; 45.0; 9; Alp Eri ; 0.45; 24000;occ; 90; 0;34395
 8; 1129.7; 27-SEP-2008 22:21:11; Dark ; 37.5; 84; Alp Phe ; 2.40; 4500;occ; 75; 0;34395
 9; 1552.1; 27-SEP-2008 22:28:14; Dark ; 51.5; 52; 16Bet Cet ; 2.04; 4500;occ; 103; 0;34395
 10; 2166.4; 27-SEP-2008 22:38:28; Bright; 37.0; 90; 54Alp Peg ; 2.49; 11000;occ; 74; 0;34395
 11; 2386.9; 27-SEP-2008 22:42:09; Bright; 35.0; 93; 53Bet Peg ; 2.52; 3100;occ; 70; 0;34395
 12; 2962.4; 27-SEP-2008 22:51:44; Bright; 39.0; 74; 11Bet Cas ; 2.27; 6600;occ; 78; 0;34395
 13; 3048.4; 27-SEP-2008 22:53:10; Bright; 39.0; 76; 27Gam Cas ; 2.30; 30000;occ; 78; 0;34395
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 16; 3990.1; 27-SEP-2008 23:08:52; Bright; 52.0; 82; 48Bet UMa ; 2.37; 10600;occ; 104; 0;34395
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 5; 57.9; 27-SEP-2008 23:43:56; Dark ; 41.0; 161; Tau Pup ; 2.93; 4500;occ; 82; 0;34396
 6; 716.5; 27-SEP-2008 23:54:54; Dark ; 38.5; 143; Alp Hyi ; 2.86; 7200;occ; 77; 0;34396
 7; 804.0; 27-SEP-2008 23:56:22; Dark ; 48.5; 9; Alp Eri ; 0.45; 24000;occ; 97; 0;34396
 8; 1129.9; 28-SEP-2008 00:01:48; Dark ; 42.0; 84; Alp Phe ; 2.40; 4500;occ; 84; 0;34396
 9; 1552.1; 28-SEP-2008 00:08:50; Dark ; 49.0; 52; 16Bet Cet ; 2.04; 4500;occ; 98; 0;34396
 10; 2166.4; 28-SEP-2008 00:19:04; Bright; 36.5; 90; 54Alp Peg ; 2.49; 11000;occ; 73; 0;34396
 11; 2386.8; 28-SEP-2008 00:22:44; Bright; 37.5; 93; 53Bet Peg ; 2.52; 3100;occ; 75; 0;34396
 12; 2962.2; 28-SEP-2008 00:32:20; Bright; 38.5; 74; 11Bet Cas ; 2.27; 6600;occ; 77; 0;34396
 13; 3047.9; 28-SEP-2008 00:33:46; Bright; 40.5; 76; 27Gam Cas ; 2.30; 30000;occ; 81; 0;34396
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 15; 3900.8; 28-SEP-2008 00:47:58; Bright; 36.5; 36; 50Alp UMa ; 1.80; 6300;occ; 73; 0;34396
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 17; 4580.2; 28-SEP-2008 00:59:18; Bright; 34.5; 166; 17Eps Leo ; 2.98; 6000;occ; 69; 0;34396
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 3; 1948.4; 27-SEP-2008 07:29:27; Bright; 59.5; 0; ; 0.00; 0;occ; 119; 0;34386
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3; 2387.2; 27-SEP-2008 14:19:09; Bright; 46.0; 93; 53Bet Peg ; 2.52; 3100;occ; 92; 0;34390
4; 2964.1; 27-SEP-2008 14:28:46; Bright; 39.0; 74; 11Bet Cas ; 2.27; 6600;occ; 78; 0;34390
5; 3050.6; 27-SEP-2008 14:30:13; Bright; 41.0; 76; 27Gam Cas ; 2.30; 30000;occ; 82; 0;34390
6; 3429.3; 27-SEP-2008 14:36:31; Bright; 37.0; 49; 1Alp UMi ; 1.99; 6300;occ; 74; 0;34390
7; 3900.2; 27-SEP-2008 14:44:22; Bright; 36.5; 36; 50Alp UMa ; 1.80; 6300;occ; 73; 0;34390
8; 3989.5; 27-SEP-2008 14:45:52; Bright; 35.0; 82; 48Bet UMa ; 2.37; 10600;occ; 70; 0;34390
9; 4579.3; 27-SEP-2008 14:55:41; Bright; 34.0; 166; 17Eps Leo ; 2.98; 6000;occ; 68; 0;34390
10; 5145.1; 27-SEP-2008 15:05:07; Dark ; 51.5; 48; 30Alp Hya ; 1.98; 4100;occ; 103; 0;34390
11; 5552.1; 27-SEP-2008 15:11:54; Dark ; 43.0; 132; 15Rho Pup ; 2.80; 6900;occ; 86; 0;34390
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13; 5873.6; 27-SEP-2008 15:17:16; Dark ; 38.5; 34; Gam2Vel ; 1.79; 23000;occ; 77; 0;34390
14; 5962.0; 27-SEP-2008 15:18:44; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;34390
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16; 6174.1; 27-SEP-2008 15:22:16; Dark ; 57.5; 2; Alp Car ; -0.74; 7000;occ; 115; 0;34390
17; 6750.6; 27-SEP-2008 15:31:53; Dark ; 37.5; 143; Alp Hyi ; 2.86; 7200;occ; 75; 0;34390
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7; 3900.3; 27-SEP-2008 16:24:58; Bright; 36.0; 36; 50Alp UMa ; 1.80; 6300;occ; 72; 0;34391
8; 3989.6; 27-SEP-2008 16:26:28; Bright; 33.0; 82; 48Bet UMa ; 2.37; 10600;occ; 66; 0;34391
9; 4579.4; 27-SEP-2008 16:36:17; Bright; 34.0; 166; 17Eps Leo ; 2.98; 6000;occ; 68; 0;34391
10; 5145.4; 27-SEP-2008 16:45:43; Dark ; 49.0; 48; 30Alp Hya ; 1.98; 4100;occ; 98; 0;34391
11; 5552.9; 27-SEP-2008 16:52:31; Dark ; 47.5; 132; 15Rho Pup ; 2.80; 6900;occ; 95; 0;34391
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13; 5874.3; 27-SEP-2008 16:57:52; Dark ; 41.0; 34; Gam2Vel ; 1.79; 23000;occ; 82; 0;34391
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16; 6751.0; 27-SEP-2008 17:12:29; Dark ; 37.5; 143; Alp Hyi ; 2.86; 7200;occ; 75; 0;34391
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4; 2387.0; 27-SEP-2008 17:40:21; Bright; 38.0; 93; 53Bet Peg ; 2.52; 3100;occ; 76; 0;34392
5; 2963.4; 27-SEP-2008 17:49:57; Bright; 39.0; 74; 11Bet Cas ; 2.27; 6600;occ; 78; 0;34392
6; 3049.8; 27-SEP-2008 17:51:24; Bright; 40.0; 76; 27Gam Cas ; 2.30; 30000;occ; 80; 0;34392
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8; 3900.4; 27-SEP-2008 18:05:34; Bright; 35.5; 36; 50Alp UMa ; 1.80; 6300;occ; 71; 0;34392
9; 3990.1; 27-SEP-2008 18:07:04; Bright; 33.5; 82; 48Bet UMa ; 2.37; 10600;occ; 67; 0;34392
10; 4579.6; 27-SEP-2008 18:16:54; Bright; 34.5; 166; 17Eps Leo ; 2.98; 6000;occ; 69; 0;34392
11; 5145.7; 27-SEP-2008 18:26:20; Dark ; 47.5; 48; 30Alp Hya ; 1.98; 4100;occ; 95; 0;34392
12; 5553.6; 27-SEP-2008 18:33:08; Dark ; 45.0; 132; 15Rho Pup ; 2.80; 6900;occ; 90; 0;34392
13; 5726.8; 27-SEP-2008 18:36:01; Dark ; 44.5; 65; Lam Vel ; 2.20; 4400;occ; 89; 0;34392
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16; 6091.8; 27-SEP-2008 18:42:06; Dark ; 43.5; 161; Tau Pup ; 2.93; 4500;occ; 87; 0;34392
17; 6751.4; 27-SEP-2008 18:53:05; Dark ; 38.0; 143; Alp Hyi ; 2.86; 7200;occ; 76; 0;34392
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4; 2387.0; 27-SEP-2008 19:20:57; Bright; 37.0; 93; 53Bet Peg ; 2.52; 3100;occ; 74; 0;34393
5; 2963.0; 27-SEP-2008 19:30:33; Bright; 39.0; 74; 11Bet Cas ; 2.27; 6600;occ; 78; 0;34393
6; 3049.3; 27-SEP-2008 19:31:59; Bright; 40.5; 76; 27Gam Cas ; 2.30; 30000;occ; 81; 0;34393
7; 3429.1; 27-SEP-2008 19:38:19; Bright; 35.5; 49; 1Alp UMi ; 1.99; 6300;occ; 71; 0;34393
8; 3900.5; 27-SEP-2008 19:46:10; Bright; 33.0; 36; 50Alp UMa ; 1.80; 6300;occ; 66; 0;34393

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 11; 5146.0; 27-SEP-2008 20:06:56; Dark ; 45.0; 48; 30Alp Hya ; 1.98; 4100;occ; 90; 0;34393
 12; 5554.3; 27-SEP-2008 20:13:44; Dark ; 42.5; 132; 15Rho Pup ; 2.80; 6900;occ; 85; 0;34393
 13; 5727.0; 27-SEP-2008 20:16:37; Dark ; 45.5; 65; Lam Vel ; 2.20; 4400;occ; 91; 0;34393
 14; 5875.1; 27-SEP-2008 20:19:05; Dark ; 37.5; 34; Gam2Vel ; 1.79; 23000;occ; 75; 0;34393
 15; 5964.2; 27-SEP-2008 20:20:34; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;34393
 16; 6092.4; 27-SEP-2008 20:22:42; Dark ; 41.5; 161; Tau Pup ; 2.93; 4500;occ; 83; 0;34393
 17; 6751.7; 27-SEP-2008 20:33:42; Dark ; 37.5; 143; Alp Hyi ; 2.86; 7200;occ; 75; 0;34393
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 10; 717.4; 28-SEP-2008 03:16:07; Dark ; 38.5; 143; Alp Hyi ; 2.86; 7200;occ; 77; 0;34398
 11; 805.0; 28-SEP-2008 03:17:34; Dark ; 43.5; 9; Alp Eri ; 0.45; 24000;occ; 87; 0;34398
 12; 1130.6; 28-SEP-2008 03:23:00; Dark ; 40.0; 84; Alp Phe ; 2.40; 4500;occ; 80; 0;34398
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17; 2961.0; 28-SEP-2008 07:14:42; Bright; 39.0; 74; 11Bet Cas ; 2.27; 6600;occ; 78; 0;34400
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4; 2386.5; 28-SEP-2008 20:29:56; Bright; 37.5; 93; 53Bet Peg ; 2.52; 3100;occ; 75; 0;34408
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6; 3043.1; 28-SEP-2008 20:40:52; Bright; 40.5; 76; 27Gam Cas ; 2.30; 30000;occ; 81; 0;34408
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8; 3902.4; 28-SEP-2008 20:55:11; Bright; 36.5; 36; 50Alp UMa ; 1.80; 6300;occ; 73; 0;34408
9; 3992.1; 28-SEP-2008 20:56:41; Bright; 34.0; 82; 48Bet UMa ; 2.37; 10600;occ; 68; 0;34408
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5; 67.3; 28-SEP-2008 21:31:52; Dark ; 42.0; 161; Tau Pup ; 2.93; 4500;occ; 84; 0;34409
6; 151.3; 28-SEP-2008 21:33:16; Dark ; 45.0; 2; Alp Car ;-0.74; 7000;occ; 90; 0;34409
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8; 809.4; 28-SEP-2008 21:44:14; Dark ; 45.0; 9; Alp Eri ; 0.45; 24000;occ; 90; 0;34409
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16; 3902.5; 28-SEP-2008 22:35:47; Bright; 52.0; 36; 50Alp UMa ; 1.80; 6300;occ; 104; 0;34409
17; 3992.3; 28-SEP-2008 22:37:17; Bright; 33.0; 82; 48Bet UMa ; 2.37; 10600;occ; 66; 0;34409
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4; -60.4; 28-SEP-2008 23:10:20; Dark ; 59.0; 0; ; 0.00; 0;occ; 118; 0;34409
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3;	-1454.8;	28-SEP-2008	07:41:43;	Bright;	34.0;	166;	17Eps Leo	; 2.98;	6000;occ;	68;	0;34400
4;	-887.5;	28-SEP-2008	07:51:10;	Dark	; 45.0;	48;	30Alp Hya	; 1.98;	4100;occ;	90;	0;34400
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6;	-306.5;	28-SEP-2008	08:00:51;	Dark	; 43.0;	65;	Lam Vel	; 2.20;	4400;occ;	86;	0;34400
7;	-157.1;	28-SEP-2008	08:03:20;	Dark	; 43.0;	34;	Gam2Vel	; 1.79;	23000;occ;	86;	0;34400
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12;	1131.5;	28-SEP-2008	08:24:49;	Dark	; 45.0;	84;	Alp Phe	; 2.40;	4500;occ;	90;	0;34401
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3;	2386.7;	28-SEP-2008	08:45:44;	Bright;	38.0;	93;	53Bet Peg	; 2.52;	3100;occ;	76;	0;34401
4;	2960.8;	28-SEP-2008	08:55:18;	Bright;	39.0;	74;	11Bet Cas	; 2.27;	6600;occ;	78;	0;34401
5;	3045.9;	28-SEP-2008	08:56:43;	Bright;	39.0;	76;	27Gam Cas	; 2.30;	30000;occ;	78;	0;34401
6;	3429.1;	28-SEP-2008	09:03:06;	Bright;	33.5;	49;	1Alp UMi	; 1.99;	6300;occ;	67;	0;34401
7;	3901.6;	28-SEP-2008	09:10:59;	Bright;	36.0;	36;	50Alp UMA	; 1.80;	6300;occ;	72;	0;34401
8;	3991.1;	28-SEP-2008	09:12:29;	Bright;	35.0;	82;	48Bet UMA	; 2.37;	10600;occ;	70;	0;34401
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10;	5148.8;	28-SEP-2008	09:31:46;	Dark	; 45.5;	48;	30Alp Hya	; 1.98;	4100;occ;	91;	0;34401
11;	5560.1;	28-SEP-2008	09:38:38;	Dark	; 43.0;	132;	15Rho Pup	; 2.80;	6900;occ;	86;	0;34401
12;	5729.8;	28-SEP-2008	09:41:27;	Dark	; 42.0;	65;	Lam Vel	; 2.20;	4400;occ;	84;	0;34401
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15;	6182.1;	28-SEP-2008	09:49:00;	Dark	; 46.5;	2;	Alp Car	; -0.74;	7000;occ;	93;	0;34401
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17;	6842.5;	28-SEP-2008	10:00:00;	Dark	; 50.0;	9;	Alp Eri	; 0.45;	24000;occ;	100;	0;34401
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3;	2960.5;	28-SEP-2008	10:35:54;	Bright;	38.0;	74;	11Bet Cas	; 2.27;	6600;occ;	76;	0;34402
4;	3045.5;	28-SEP-2008	10:37:19;	Bright;	41.0;	76;	27Gam Cas	; 2.30;	30000;occ;	82;	0;34402
5;	3429.1;	28-SEP-2008	10:43:42;	Bright;	36.5;	49;	1Alp UMi	; 1.99;	6300;occ;	73;	0;34402
6;	3901.7;	28-SEP-2008	10:51:35;	Bright;	34.0;	36;	50Alp UMA	; 1.80;	6300;occ;	68;	0;34402
7;	3991.3;	28-SEP-2008	10:53:05;	Bright;	35.0;	82;	48Bet UMA	; 2.37;	10600;occ;	70;	0;34402
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9;	5149.1;	28-SEP-2008	11:12:22;	Dark	; 46.0;	48;	30Alp Hya	; 1.98;	4100;occ;	92;	0;34402
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11;	5730.1;	28-SEP-2008	11:22:03;	Dark	; 44.5;	65;	Lam Vel	; 2.20;	4400;occ;	89;	0;34402
12;	5879.8;	28-SEP-2008	11:24:33;	Dark	; 40.0;	34;	Gam2Vel	; 1.79;	23000;occ;	80;	0;34402
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14;	6098.9;	28-SEP-2008	11:28:12;	Dark	; 41.5;	161;	Tau Pup	; 2.93;	4500;occ;	83;	0;34402
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16;	6755.3;	28-SEP-2008	11:39:09;	Dark	; 37.5;	143;	Alp Hyi	; 2.86;	7200;occ;	75;	0;34402
17;	6842.8;	28-SEP-2008	11:40:36;	Dark	; 47.0;	9;	Alp Eri	; 0.45;	24000;occ;	94;	0;34402
18;	7168.0;	28-SEP-2008	11:46:01;	Dark	; 40.0;	84;	Alp Phe	; 2.40;	4500;occ;	80;	0;34402
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3;	2960.2;	28-SEP-2008	12:16:29;	Bright;	38.5;	74;	11Bet Cas	; 2.27;	6600;occ;	77;	0;34403
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6;	3901.8;	28-SEP-2008	12:32:11;	Bright;	36.5;	36;	50Alp UMA	; 1.80;	6300;occ;	73;	0;34403
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13;	5971.2;	28-SEP-2008	13:06:40;	Dark	; 59.0;	0;		; 0.00;	0;occ;	118;	0;34403
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13; 5881.5; 28-SEP-2008 16:26:22; Dark ; 41.5; 34; Gam2Vel ; 1.79; 23000;occ; 83; 0;34405
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7; 3428.6; 30-SEP-2008 18:03:28; Bright; 35.5; 49; 1Alp UMi ; 1.99; 6300;occ; 71; 0;34435
8; 3905.6; 30-SEP-2008 18:11:25; Bright; 37.5; 36; 50Alp UMa ; 1.80; 6300;occ; 75; 0;34435
9; 3995.8; 30-SEP-2008 18:12:55; Bright; 35.0; 82; 48Bet UMa ; 2.37; 10600;occ; 70; 0;34435
10; 4587.9; 30-SEP-2008 18:22:47; Bright; 34.5; 166; 17Eps Leo ; 2.98; 6000;occ; 69; 0;34435
11; 5161.6; 30-SEP-2008 18:32:21; Dark ; 47.0; 48; 30Alp Hya ; 1.98; 4100;occ; 94; 0;34435
12; 5587.1; 30-SEP-2008 18:39:26; Dark ; 44.0; 132; 15Rho Pup ; 2.80; 6900;occ; 88; 0;34435
13; 5742.2; 30-SEP-2008 18:42:01; Dark ; 41.5; 65; Lam Vel ; 2.20; 4400;occ; 83; 0;34435
14; 5897.6; 30-SEP-2008 18:44:37; Dark ; 40.0; 34; Gam2Vel ; 1.79; 23000;occ; 80; 0;34435
15; 5994.7; 30-SEP-2008 18:46:14; Dark ; 59.0; 0; ; 0.00; 0;occ; 118; 0;34435
16; 6123.2; 30-SEP-2008 18:48:22; Dark ; 41.5; 161; Tau Pup ; 2.93; 4500;occ; 83; 0;34435
17; 6207.4; 30-SEP-2008 18:49:46; Dark ; 45.5; 2; Alp Car ; -0.74; 7000;occ; 91; 0;34435
18; 6768.4; 30-SEP-2008 18:59:07; Dark ; 39.5; 143; Alp Hyi ; 2.86; 7200;occ; 79; 0;34435
19; 6856.1; 30-SEP-2008 19:00:35; Dark ; 50.0; 9; Alp Eri ; 0.45; 24000;occ; 100; 0;34435
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2; 1557.7; 30-SEP-2008 19:12:53; Dark ; 48.0; 52; 16Bet Cet ; 2.04; 4500;occ; 96; 0;34436
3; 2167.9; 30-SEP-2008 19:23:03; Bright; 37.0; 90; 54Alp Peg ; 2.49; 11000;occ; 74; 0;34436
4; 2386.2; 30-SEP-2008 19:26:41; Bright; 35.0; 93; 53Bet Peg ; 2.52; 3100;occ; 70; 0;34436
5; 2951.2; 30-SEP-2008 19:36:06; Bright; 38.5; 74; 11Bet Cas ; 2.27; 6600;occ; 77; 0;34436
6; 3031.7; 30-SEP-2008 19:37:27; Bright; 40.5; 76; 27Gam Cas ; 2.30; 30000;occ; 81; 0;34436
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17; 6768.6; 30-SEP-2008 20:39:44; Dark ; 37.5; 143; Alp Hyi ; 2.86; 7200;occ; 75; 0;34436
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