

GOMOS Daily Report 02-AUG-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	05AUG2008 10:29:45
Data source version	GOMOS/5.00
Start time of products	02-08-2008 (02AUG2008 00:00:00)
Stop time of products	03-08-2008 (03AUG2008 00:00:00)
Store outputs in DB	Yes
Nb of level 1b prods	49
Nb of prods with errors	1

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

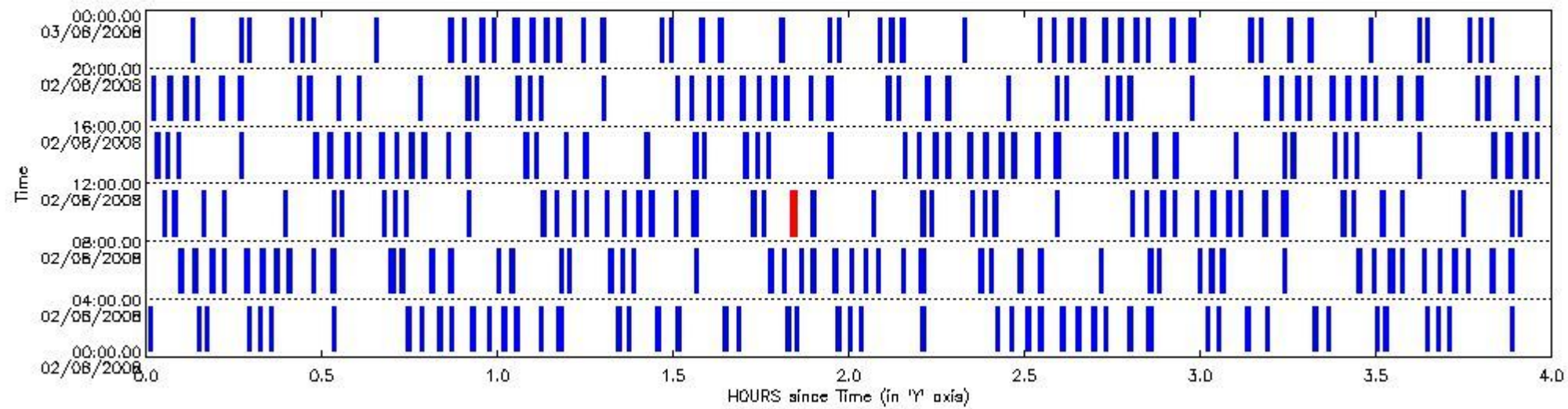
2.1 Level 0 products arrived in PCF (see template [here](#))

2.2 Plot of mission plan versus Level 0 production arrived in PCF during reporting period

Red segments are missing products.

Blue segments are available products.

Green segments are calibration measurements (not available products to users).



2.3 Summary of missing occultations (red segments in previous plot)

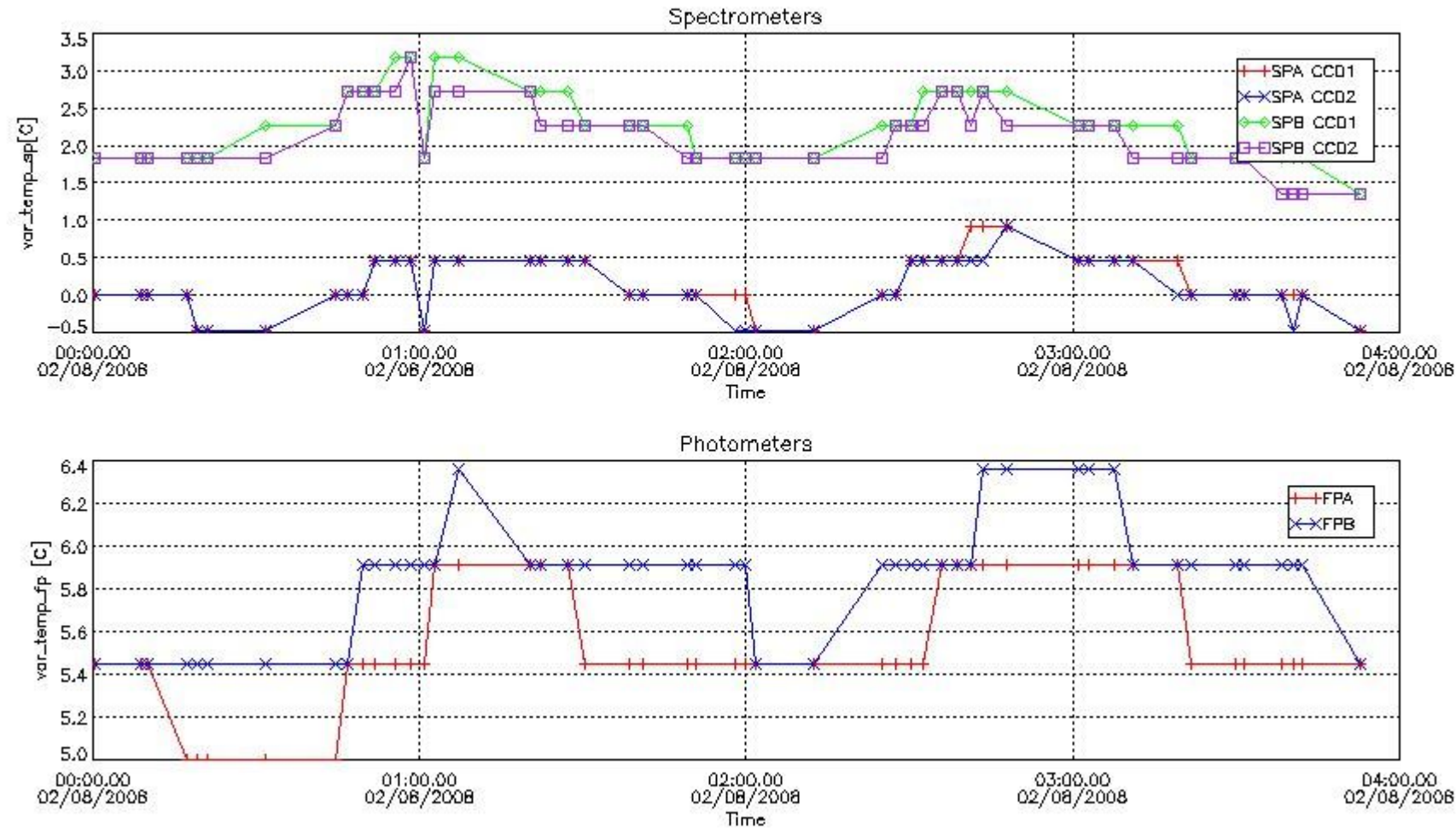
UTC start time	Star name	Star ID	Orbit
02-AUG-2008 09:50:04	AlpTuc	148	33586

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_1PNPDE20080802_000022_000000372070_00460_33580_0630.N1	02-AUG-2008 00:00:22	Bright	36.500	155	41Pi Sgr	2.9000	6600.0	73	33580	No
2	GOM_TRA_1PNPDE20080802_000841_000000372070_00460_33580_0631.N1	02-AUG-2008 00:08:41	Bright	37.000	11	53Alp Aql	0.76500	8000.0	74	33580	No
3	GOM_TRA_1PNPDE20080802_001009_000000352070_00460_33580_0632.N1	02-AUG-2008 00:10:09	Bright	34.500	168	17Zet Aql	2.9860	11000.	69	33580	No
4	GOM_TRA_1PNPDE20080802_001714_000000362070_00460_33580_0633.N1	02-AUG-2008 00:17:14	Bright	36.000	5	3Alp Lyr	0.033000	11000.	72	33580	No
5	GOM_TRA_1PNPDE20080802_001914_000000342070_00460_33580_0634.N1	02-AUG-2008 00:19:14	Bright	34.000	144	18Del Cyg	2.8600	11000.	68	33580	No
6	GOM_TRA_1PNPDE20080802_002103_000000372070_00460_33580_0635.N1	02-AUG-2008 00:21:03	Bright	37.000	69	33Gam Dra	2.2310	3800.0	74	33580	No
7	GOM_TRA_1PNPDE20080802_003143_000000322070_00460_33580_0636.N1	02-AUG-2008 00:31:43	Bright	32.000	49	1Alp UMi	1.9900	6300.0	64	33580	No
8	GOM_TRA_1PNPDE20080802_004424_000000432070_00460_33580_0637.N1	02-AUG-2008 00:44:24	Bright	43.000	6	13Alp Aur	0.080000	3400.0	86	33580	No
9	GOM_TRA_1PNPDE20080802_004651_000000362070_00460_33580_0638.N1	02-AUG-2008 00:46:51	Bright	35.500	107	37The Aur	2.6490	11000.	71	33580	No
10	GOM_TRA_1PNPDE20080802_004940_000000462070_00460_33580_0639.N1	02-AUG-2008 00:49:40	Bright	45.500	28	12Bet Tau	1.6500	15200.	91	33580	No

11	GOM_TRA_1PNPDE20080802_005146_000000402070_00460_33580_0640.N1	02-AUG-2008 00:51:46	Twilight	39.500	176	23Zet Tau	3.0200	22000.	79	33580	No
12	GOM_TRA_1PNPDE20080802_005527_000000492070_00460_33580_0641.N1	02-AUG-2008 00:55:27	Dark	48.500	14	58Alp Ori	0.87000	3000.0	97	33580	No
13	GOM_TRA_1PNPDE20080802_005814_000000422070_00460_33580_0642.N1	02-AUG-2008 00:58:14	Dark	41.500	30	46Eps Ori	1.6940	30000.	83	33580	No
14	GOM_TRA_1PNPDE20080802_010044_000000472070_00460_33580_0785.N1	02-AUG-2008 01:00:44	Dark	46.500	7	19Bet Ori	0.10000	14000.	93	33580	Yes
15	GOM_TRA_1PNPDE20080802_010253_000000412070_00460_33580_0786.N1	02-AUG-2008 01:02:53	Dark	41.000	101	11Alp Lep	2.5820	7000.0	82	33580	No
16	GOM_TRA_1PNPDE20080802_010704_000000402070_00460_33580_0787.N1	02-AUG-2008 01:07:04	Dark	40.000	108	Alp Col	2.6520	15200.	80	33580	No
17	GOM_TRA_1PNPDE20080802_012018_000000432070_00461_33581_0788.N1	02-AUG-2008 01:20:18	Dark	42.500	9	Alp Eri	0.45300	24000.	85	33581	No
18	GOM_TRA_1PNPDE20080802_012209_000000362070_00461_33581_0789.N1	02-AUG-2008 01:22:09	Dark	36.000	135	Bet Hyi	2.8200	5800.0	72	33581	No
19	GOM_TRA_1PNPDE20080802_012705_000000412070_00461_33581_0790.N1	02-AUG-2008 01:27:05	Straylight	41.000	148	Alp Tuc	2.8780	4100.0	82	33581	No
20	GOM_TRA_1PNPDE20080802_013027_000000422070_00461_33581_0791.N1	02-AUG-2008 01:30:27	Straylight	42.000	31	Alp Gru	1.7340	15200.	84	33581	No
21	GOM_TRA_1PNPDE20080802_013835_000000422070_00461_33581_0792.N1	02-AUG-2008 01:38:35	Bright	41.500	103	38Zet Sgr	2.6000	9700.0	83	33581	No
22	GOM_TRA_1PNPDE20080802_014058_000000352070_00461_33581_0793.N1	02-AUG-2008 01:40:58	Bright	35.000	155	41Pi Sgr	2.9000	6600.0	70	33581	No
23	GOM_TRA_1PNPDE20080802_014917_000000372070_00461_33581_0794.N1	02-AUG-2008 01:49:17	Bright	37.000	11	53Alp Aql	0.76500	8000.0	74	33581	No
24	GOM_TRA_1PNPDE20080802_015045_000000352070_00461_33581_0795.N1	02-AUG-2008 01:50:45	Bright	35.000	168	17Zet Aql	2.9860	11000.	70	33581	No
25	GOM_TRA_1PNPDE20080802_015750_000000382070_00461_33581_0796.N1	02-AUG-2008 01:57:50	Bright	37.500	5	3Alp Lyr	0.033000	11000.	75	33581	No
26	GOM_TRA_1PNPDE20080802_015950_000000382070_00461_33581_0797.N1	02-AUG-2008 01:59:50	Bright	37.500	144	18Del Cyg	2.8600	11000.	75	33581	No
27	GOM_TRA_1PNPDE20080802_020139_000000332070_00461_33581_0798.N1	02-AUG-2008 02:01:39	Bright	32.500	69	33Gam Dra	2.2310	3800.0	65	33581	No
28	GOM_TRA_1PNPDE20080802_021219_000000352070_00461_33581_0799.N1	02-AUG-2008 02:12:19	Bright	35.000	49	1Alp UMi	1.9900	6300.0	70	33581	No
29	GOM_TRA_1PNPDE20080802_022500_000000412070_00461_33581_0950.N1	02-AUG-2008 02:25:00	Bright	41.000	6	13Alp Aur	0.080000	3400.0	82	33581	No
30	GOM_TRA_1PNPDE20080802_022727_000000352070_00461_33581_0951.N1	02-AUG-2008 02:27:27	Bright	34.500	107	37The Aur	2.6490	11000.	69	33581	No
31	GOM_TRA_1PNPDE20080802_023016_000000442070_00461_33581_0952.N1	02-AUG-2008 02:30:16	Bright	44.000	28	12Bet Tau	1.6500	15200.	88	33581	No
32	GOM_TRA_1PNPDE20080802_023222_000000392070_00461_33581_0953.N1	02-AUG-2008 02:32:22	Twilight	39.000	176	23Zet Tau	3.0200	22000.	78	33581	No
33	GOM_TRA_1PNPDE20080802_023603_000000522070_00461_33581_0954.N1	02-AUG-2008 02:36:03	Dark	52.000	14	58Alp Ori	0.87000	3000.0	104	33581	No
34	GOM_TRA_1PNPDE20080802_023850_000000412070_00461_33581_0955.N1	02-AUG-2008 02:38:50	Dark	41.000	30	46Eps Ori	1.6940	30000.	82	33581	No
35	GOM_TRA_1PNPDE20080802_024120_000000512070_00461_33581_0956.N1	02-AUG-2008 02:41:20	Dark	50.500	7	19Bet Ori	0.10000	14000.	101	33581	No
36	GOM_TRA_1PNPDE20080802_024330_000000402070_00461_33581_0957.N1	02-AUG-2008 02:43:30	Dark	39.500	101	11Alp Lep	2.5820	7000.0	79	33581	No
37	GOM_TRA_1PNPDE20080802_024741_000000402070_00461_33581_0958.N1	02-AUG-2008 02:47:41	Dark	39.500	108	Alp Col	2.6520	15200.	79	33581	No
38	GOM_TRA_1PNPDE20080802_030055_000000442070_00462_33582_0959.N1	02-AUG-2008 03:00:55	Dark	43.500	9	Alp Eri	0.45300	24000.	87	33582	No
39	GOM_TRA_1PNPDE20080802_030245_000000382070_00462_33582_0960.N1	02-AUG-2008 03:02:45	Dark	37.500	135	Bet Hyi	2.8200	5800.0	75	33582	No
40	GOM_TRA_1PNPDE20080802_030741_000000402070_00462_33582_0961.N1	02-AUG-2008 03:07:41	Straylight	40.000	148	Alp Tuc	2.8780	4100.0	80	33582	No
41	GOM_TRA_1PNPDE20080802_031104_000000432070_00462_33582_0962.N1	02-AUG-2008 03:11:04	Straylight	43.000	31	Alp Gru	1.7340	15200.	86	33582	No
42	GOM_TRA_1PNPDE20080802_031911_000000472070_00462_33582_0963.N1	02-AUG-2008 03:19:11	Bright	47.000	103	38Zet Sgr	2.6000	9700.0	94	33582	No
43	GOM_TRA_1PNPDE20080802_032134_000000362070_00462_33582_0964.N1	02-AUG-2008 03:21:34	Bright	35.500	155	41Pi Sgr	2.9000	6600.0	71	33582	No
44	GOM_TRA_1PNPDE20080802_032953_000000392070_00462_33582_0965.N1	02-AUG-2008 03:29:53	Bright	38.500	11	53Alp Aql	0.76500	8000.0	77	33582	No
45	GOM_TRA_1PNPDE20080802_033121_000000362070_00462_33582_0966.N1	02-AUG-2008 03:31:21	Bright	35.500	168	17Zet Aql	2.9860	11000.	71	33582	No
46	GOM_TRA_1PNPDE20080802_033826_000000392070_00462_33582_0967.N1	02-AUG-2008 03:38:26	Bright	39.000	5	3Alp Lyr	0.033000	11000.	78	33582	No
47	GOM_TRA_1PNPDE20080802_034025_000000362070_00462_33582_0968.N1	02-AUG-2008 03:40:25	Bright	36.000	144	18Del Cyg	2.8600	11000.	72	33582	No
48	GOM_TRA_1PNPDE20080802_034215_000000362070_00462_33582_0969.N1	02-AUG-2008 03:42:15	Bright	35.500	69	33Gam Dra	2.2310	3800.0	71	33582	No
49	GOM_TRA_1PNPDE20080802_035255_000000362070_00462_33582_0970.N1	02-AUG-2008 03:52:55	Bright	35.500	49	1Alp UMi	1.9900	6300.0	71	33582	No

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



4. Overview of dark signal processing per product

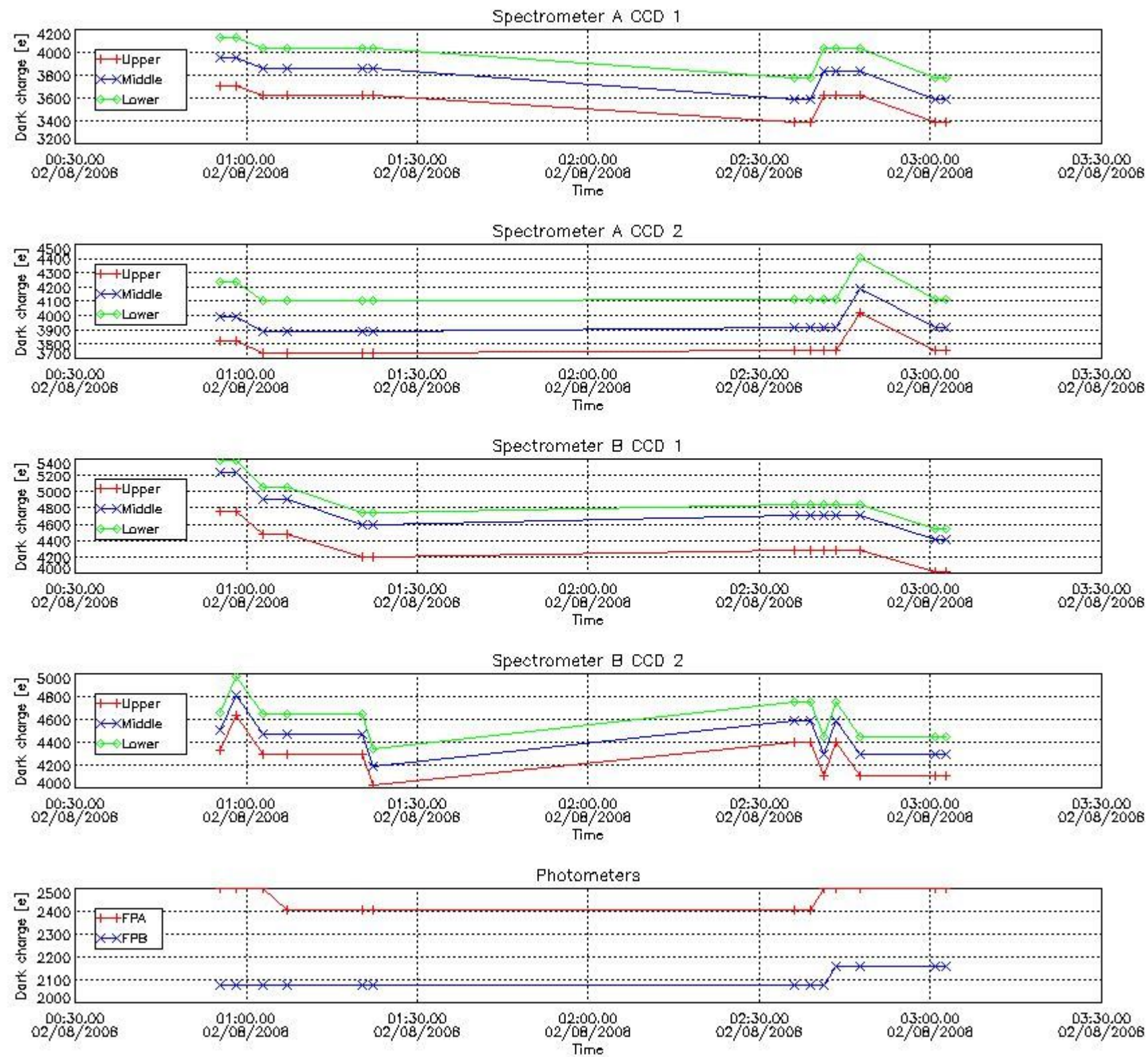
The Dark Charge (DC) is a temperature-dependant signal added to the useful measurements and it is therefore subtracted from them during the processing. There are two phenomena that produce a continuous increase of the DC: the "hot pixels" (a pixel is "hot" when its DC exceeds by a significant amount 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 These products did not use the DSA observation for DC computation:

Product name	DC information
GOM_TRA_1PNPDE20080802_000022_000000372070_00460_33580_0630.N1	DC map used
GOM_TRA_1PNPDE20080802_000841_000000372070_00460_33580_0631.N1	DC map used
GOM_TRA_1PNPDE20080802_001009_000000352070_00460_33580_0632.N1	DC map used
GOM_TRA_1PNPDE20080802_001714_000000362070_00460_33580_0633.N1	DC map used
GOM_TRA_1PNPDE20080802_001914_000000342070_00460_33580_0634.N1	DC map used
GOM_TRA_1PNPDE20080802_002103_000000372070_00460_33580_0635.N1	DC map used
GOM_TRA_1PNPDE20080802_003143_000000322070_00460_33580_0636.N1	DC map used
GOM_TRA_1PNPDE20080802_004424_000000432070_00460_33580_0637.N1	DC map used
GOM_TRA_1PNPDE20080802_004651_000000362070_00460_33580_0638.N1	DC map used
GOM_TRA_1PNPDE20080802_004940_000000462070_00460_33580_0639.N1	DC map used
GOM_TRA_1PNPDE20080802_005146_000000402070_00460_33580_0640.N1	DC map used
GOM_TRA_1PNPDE20080802_005527_000000492070_00460_33580_0641.N1	DC map used
GOM_TRA_1PNPDE20080802_005814_000000422070_00460_33580_0642.N1	DC map used

4.2 Plot of mean dark charges per product: only products in DARK limb conditions without errors are used



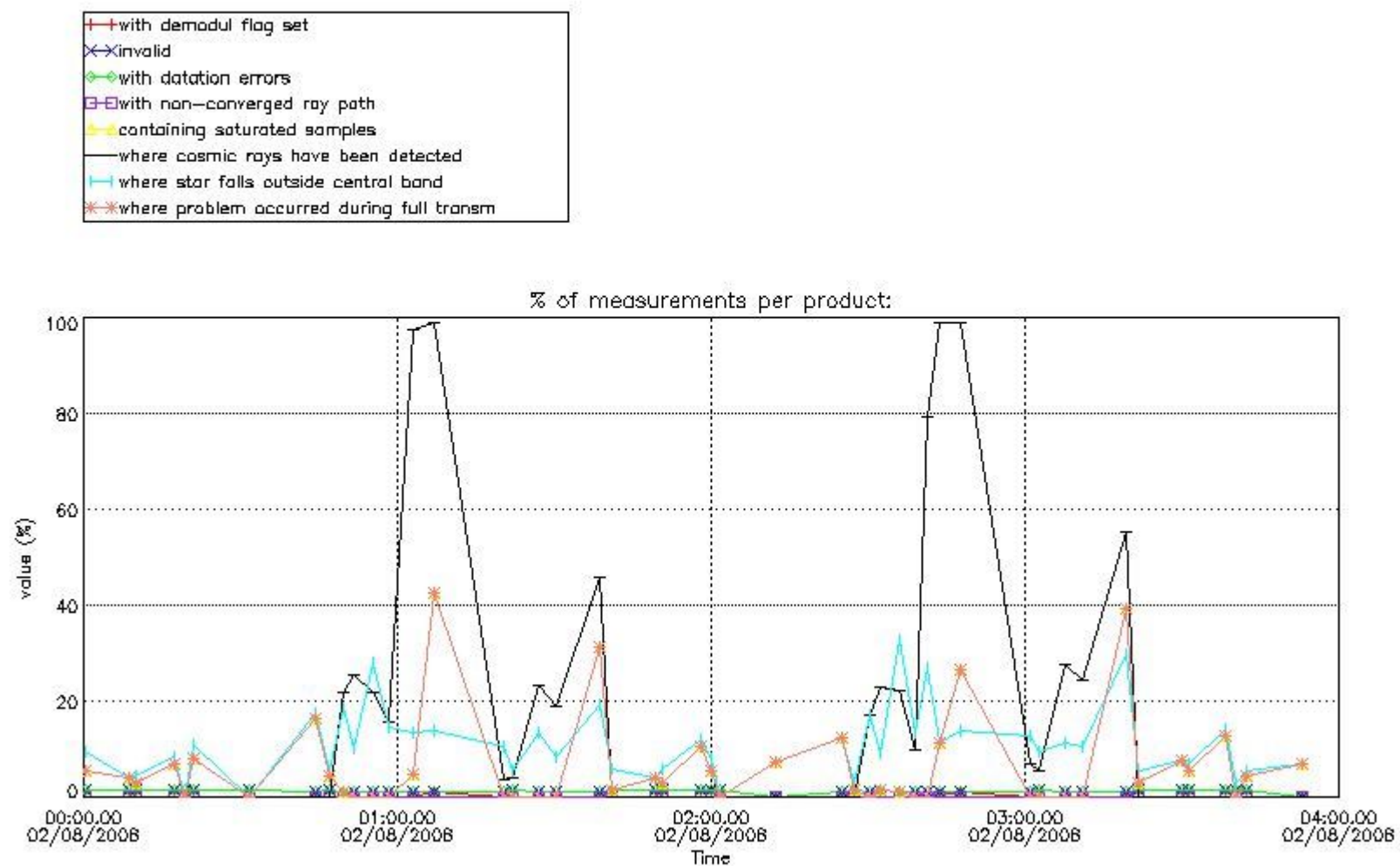
5. Demodulation flag and quality information monitoring

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.

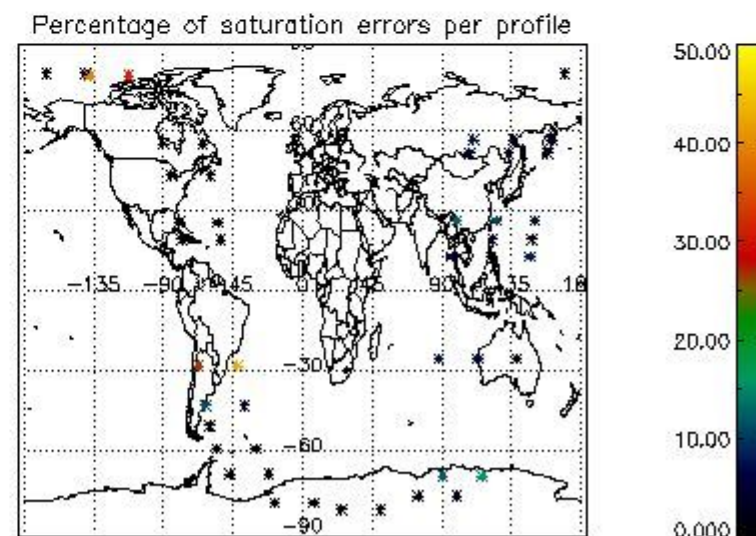
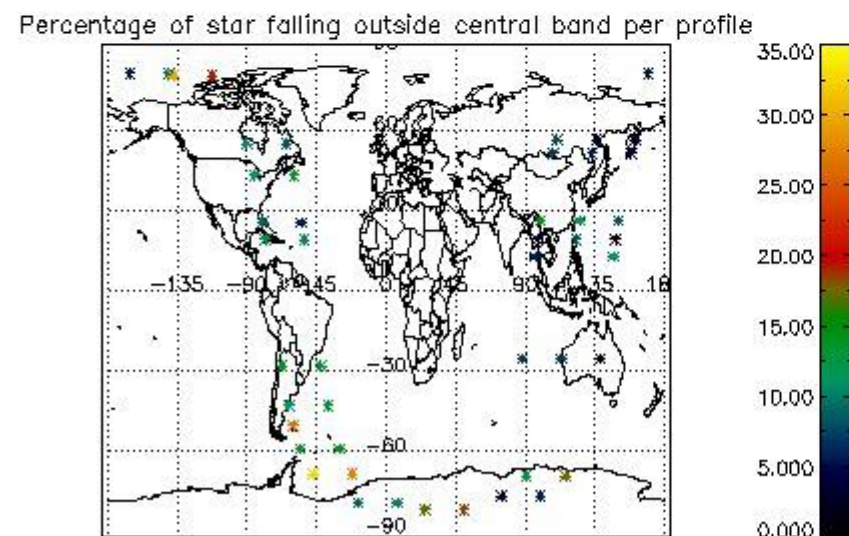
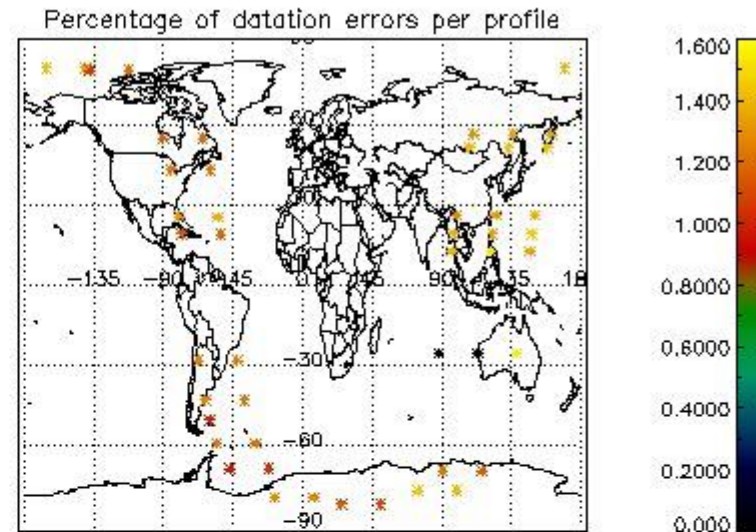
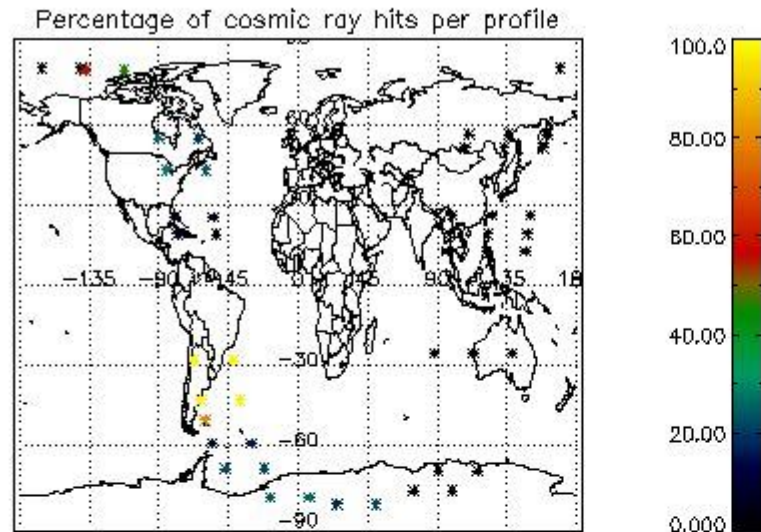
5.1 Percentage of products during reporting period with:

At least one measurement with demodulation flag set:	27.0833 %
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)



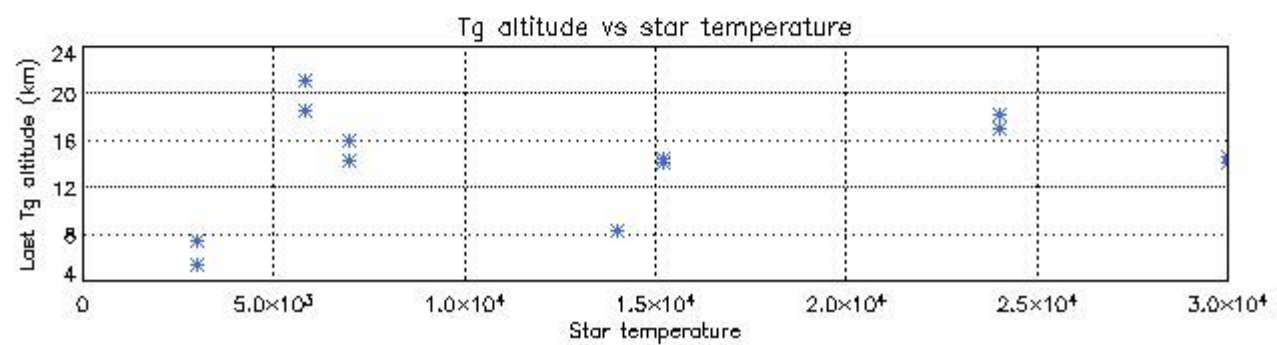
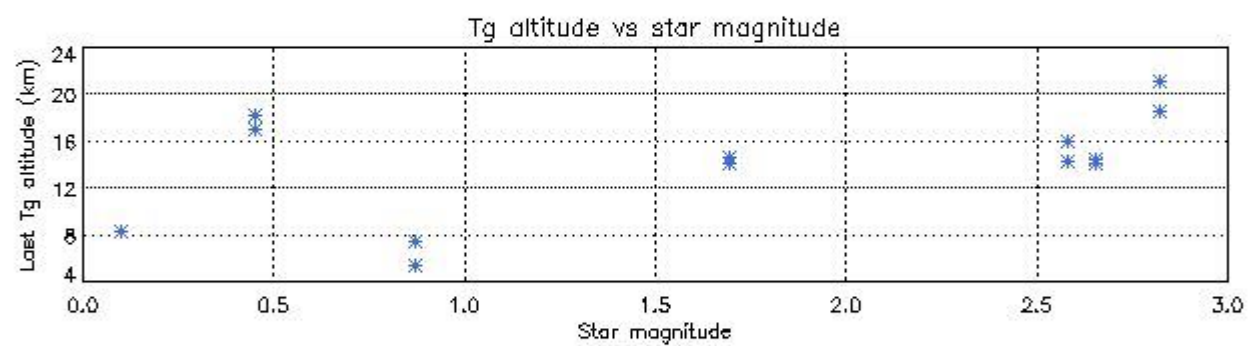
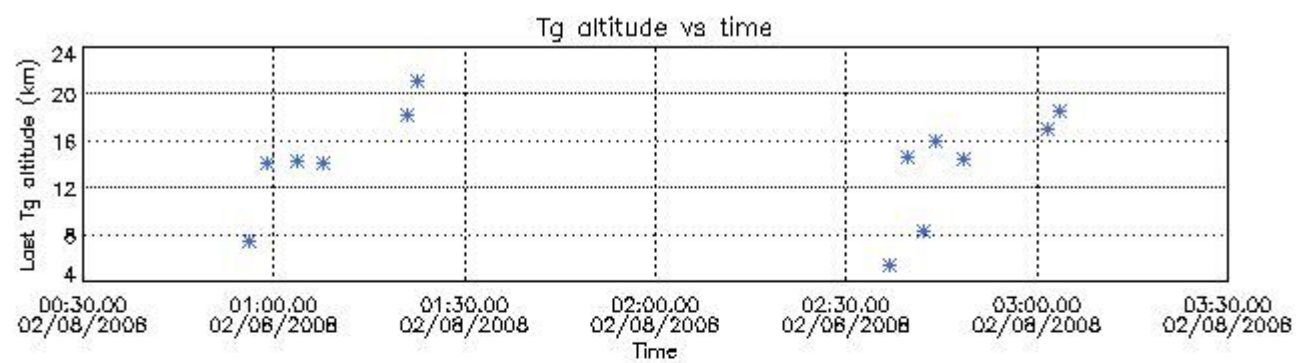
6. Statistics and plot of tangent altitude of the last measurement (DARK & BRIGHT products without errors)

6.1 Statistics on tangent altitude lost:

Statistics	DARK	BRIGHT	TWILIGHT
Mean:	14.141	19.909	NaN
St. deviation:	4.5674	5.0631	NaN
Maximum:	21.174	29.614	NaN
Minimum:	5.4523	7.2790	NaN
Number of data:	13.000	29.000	NaN

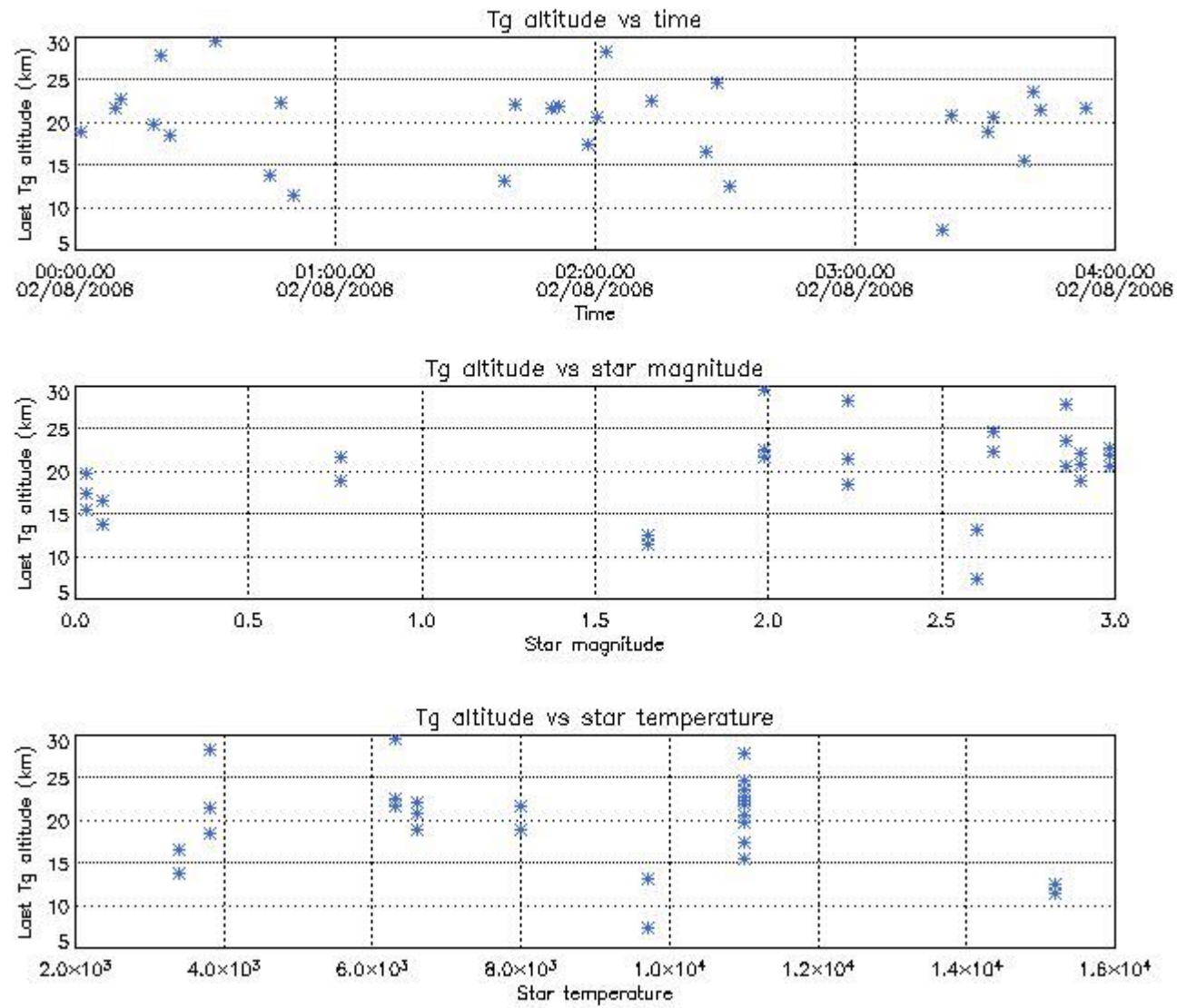
6.2 Plot for DARK limb products

Tangent altitude at which the star is lost



6.3 Plot for BRIGHT limb products

Tangent altitude at which the star is lost

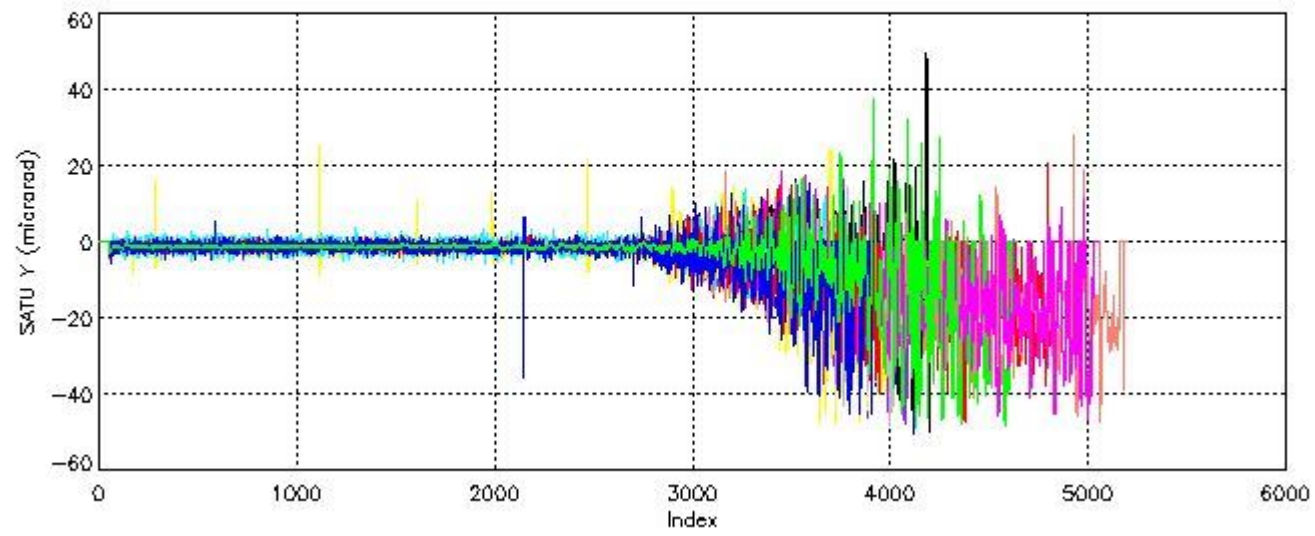
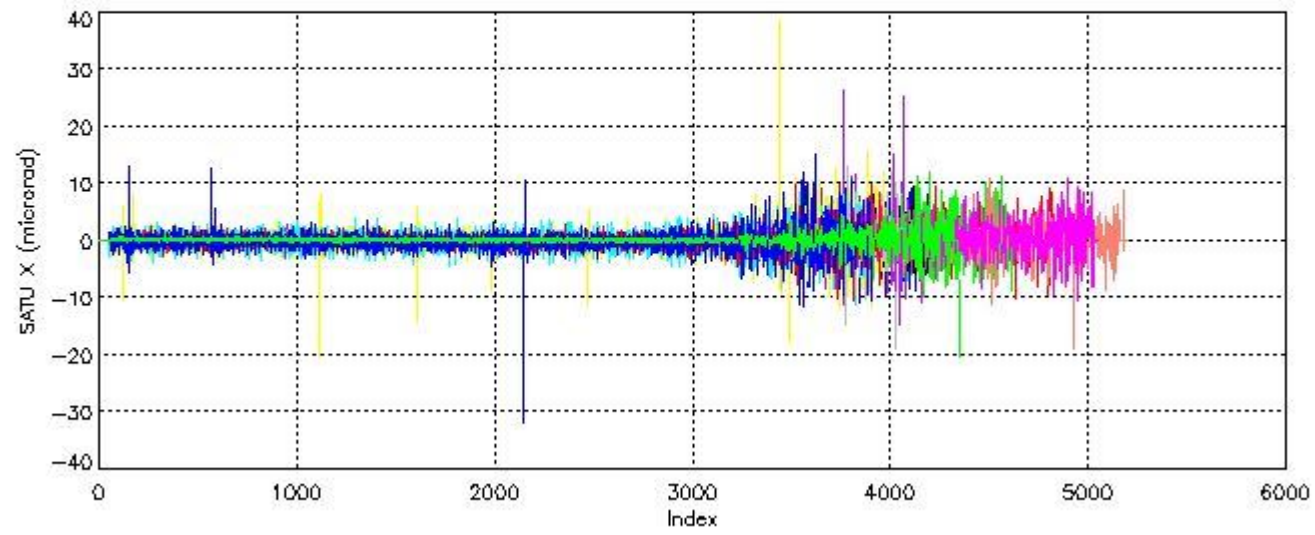


7. Star Acquisition and Tracking Unit (SATU)

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:	0.013441	-1.3054	0.064462	-1.3343
St. deviation:	0.53567	0.64296	0.72533	0.85114
Maximum:	13.000	16.300	6.5000	4.4000
Minimum:	-10.400	-8.3000	-5.2000	-7.3000

Number of data:	11450.	11450.	24100.	24100.
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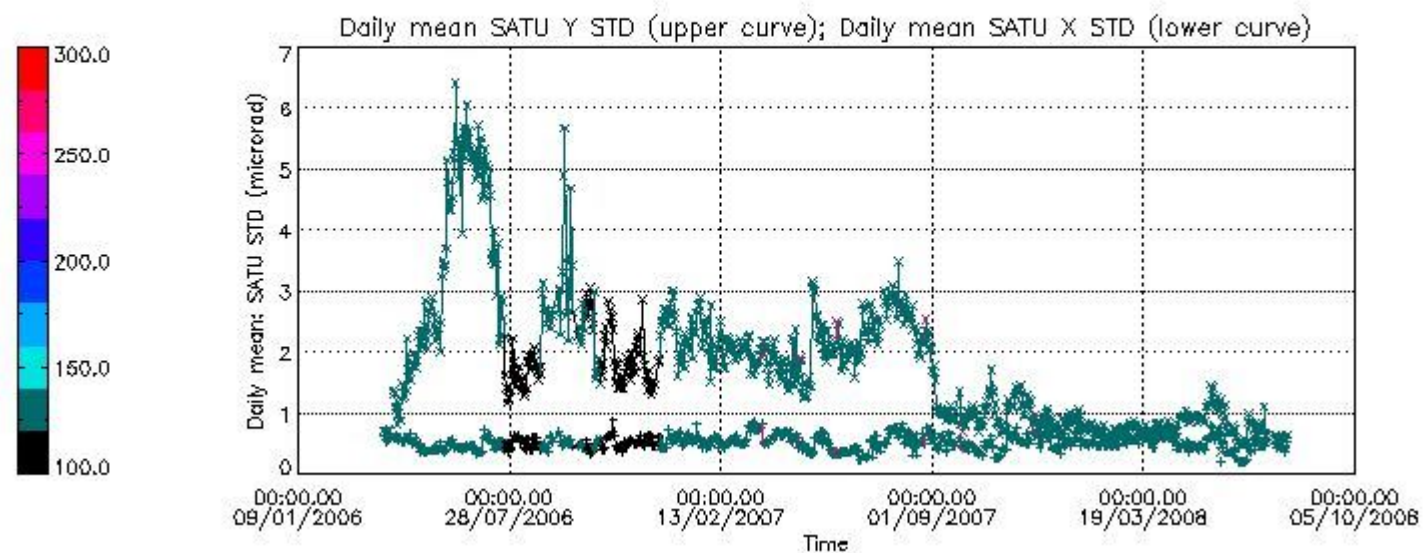
7.2.2 Trend of daily SATU NEA St. deviation since 1st April 2006 (dark limb)

The long term trend of the SATU 'X' and 'Y' standard deviations should be constant during the whole mission.

The colorbar represents the start tangent altitude (km) of the occultations.

Upper curve: STD of SATU Y axis

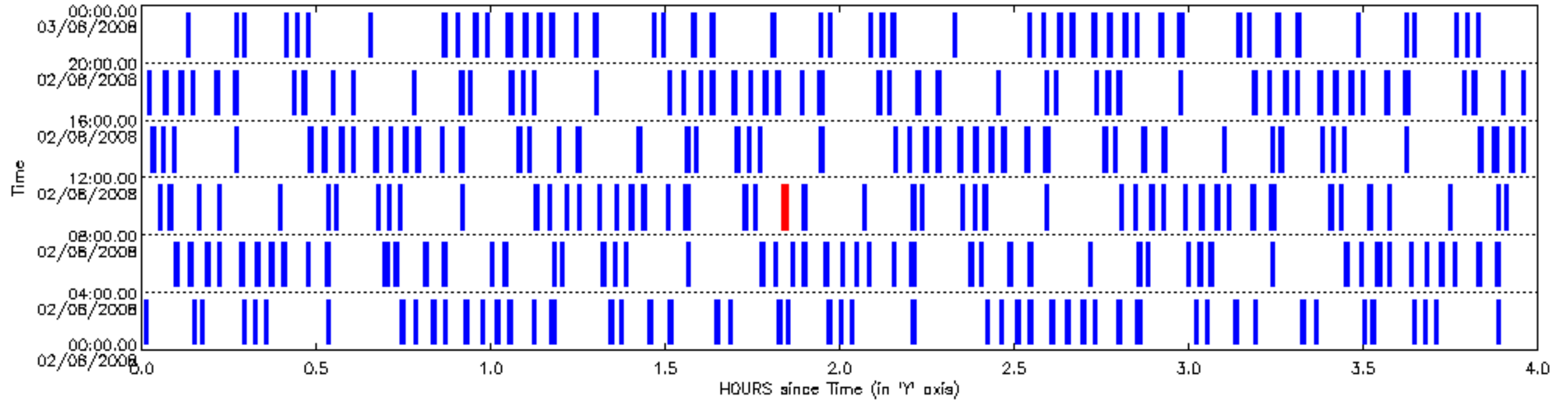
Lower curve: STD of SATU X axis

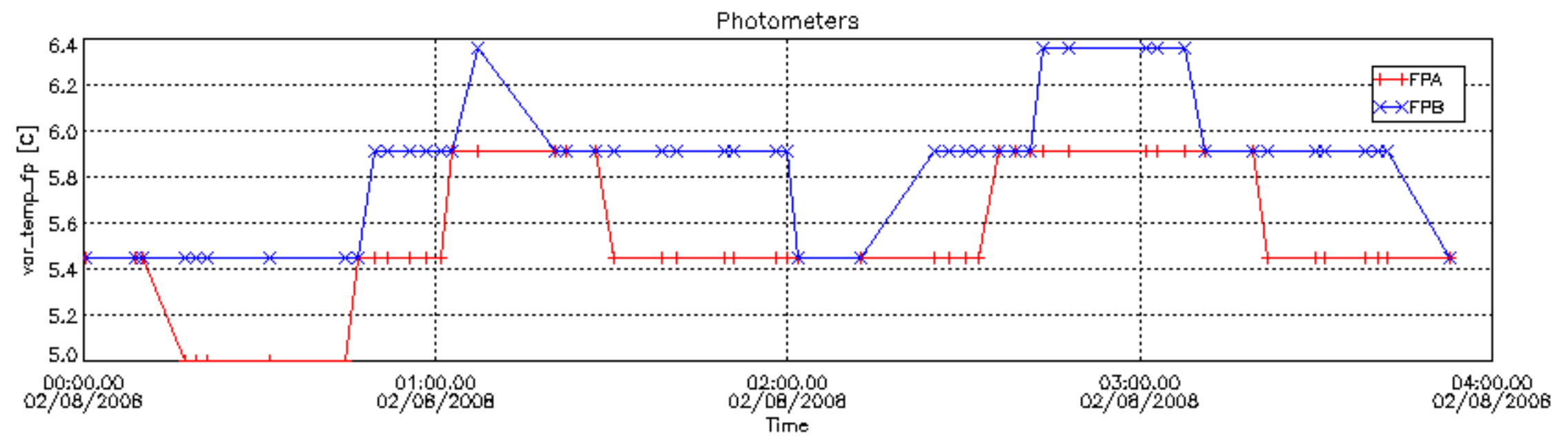
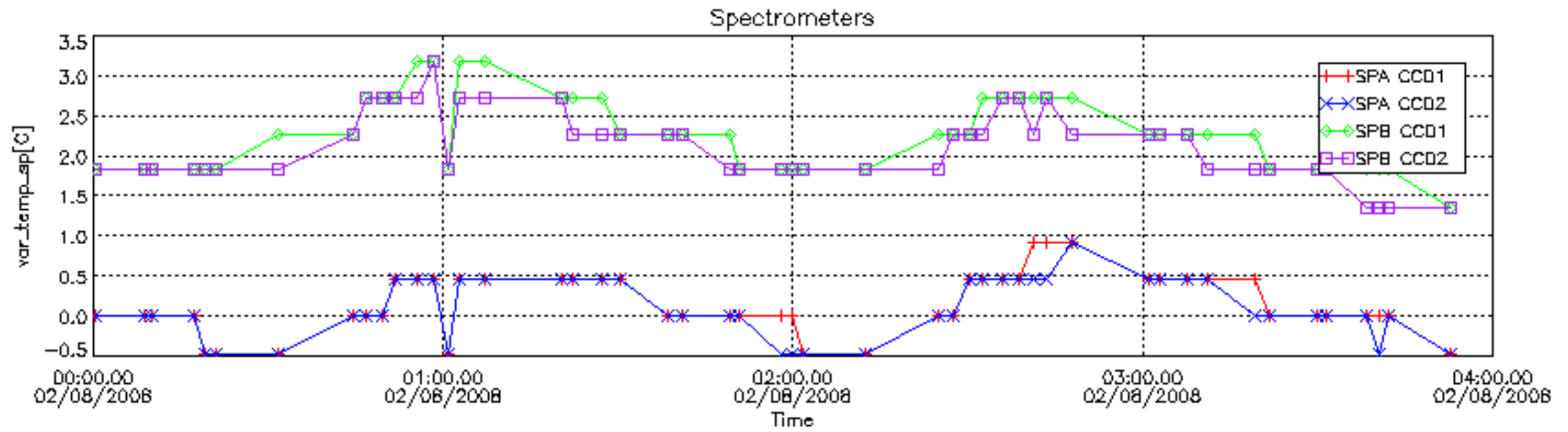


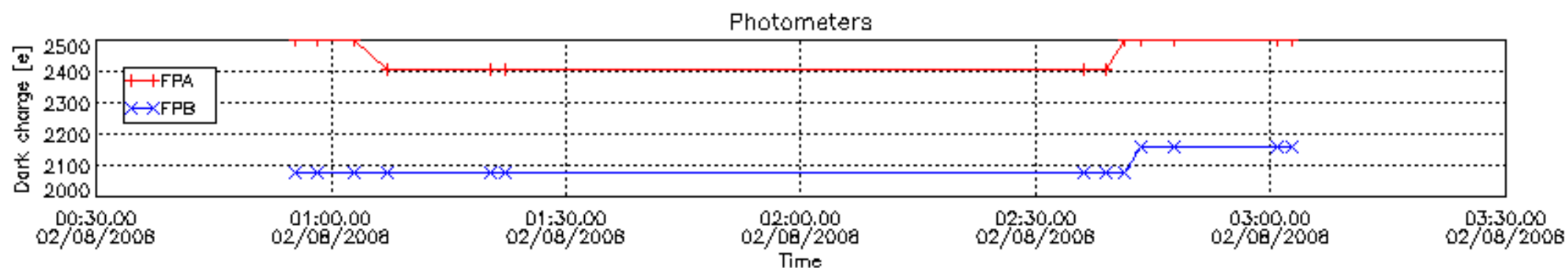
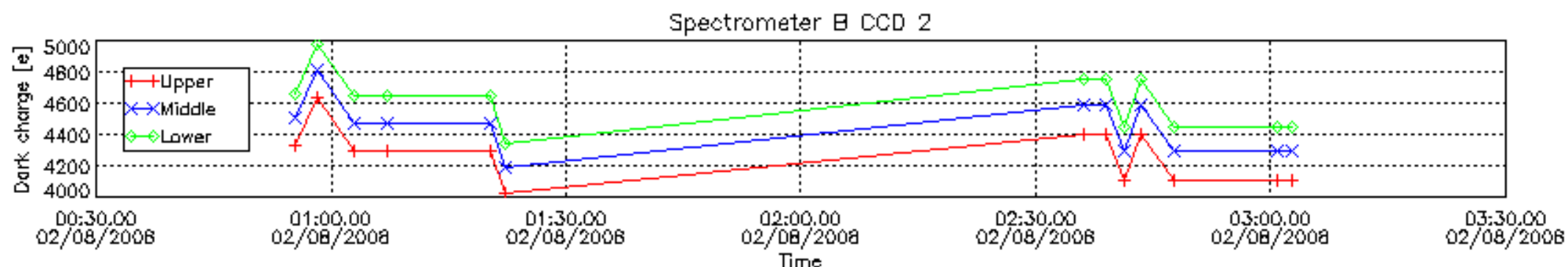
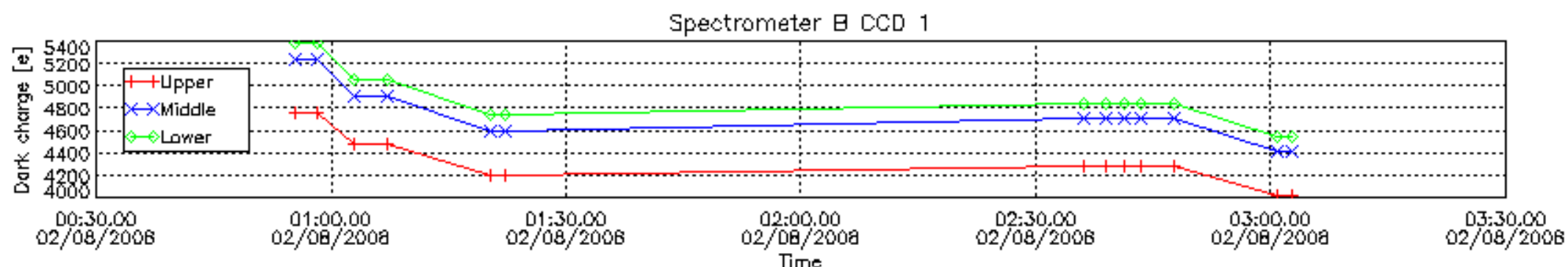
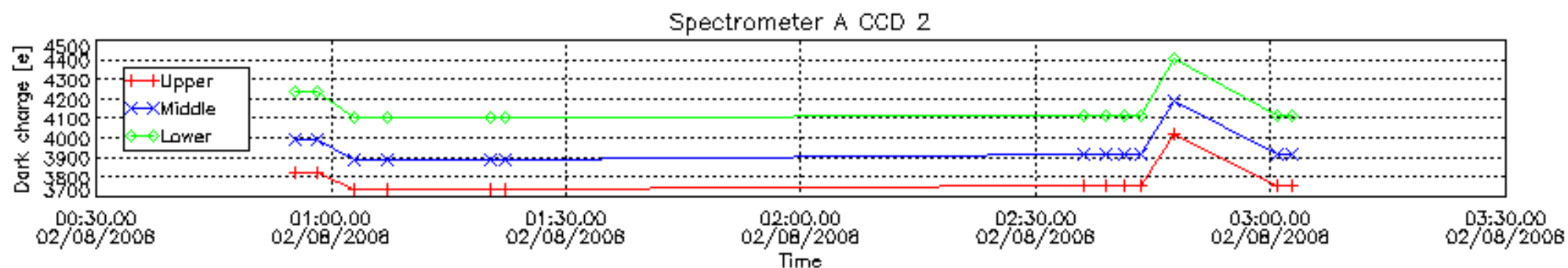
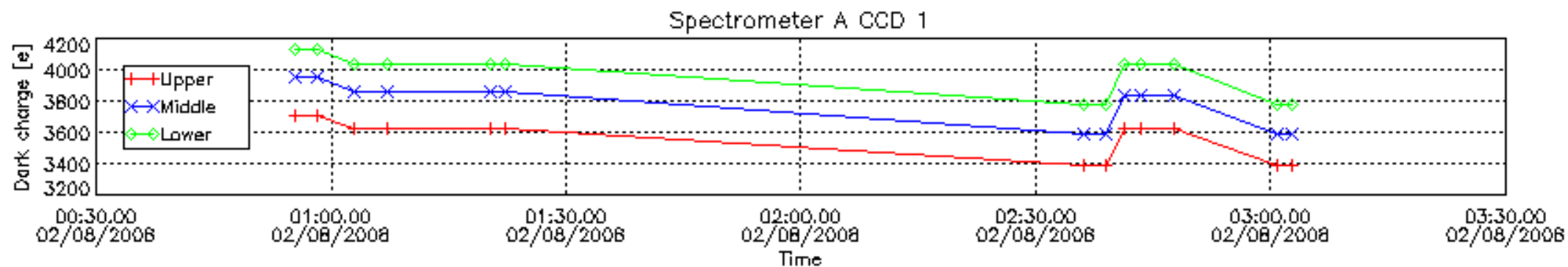
8. Auxiliary Data Files used for the production reported in section 2.4

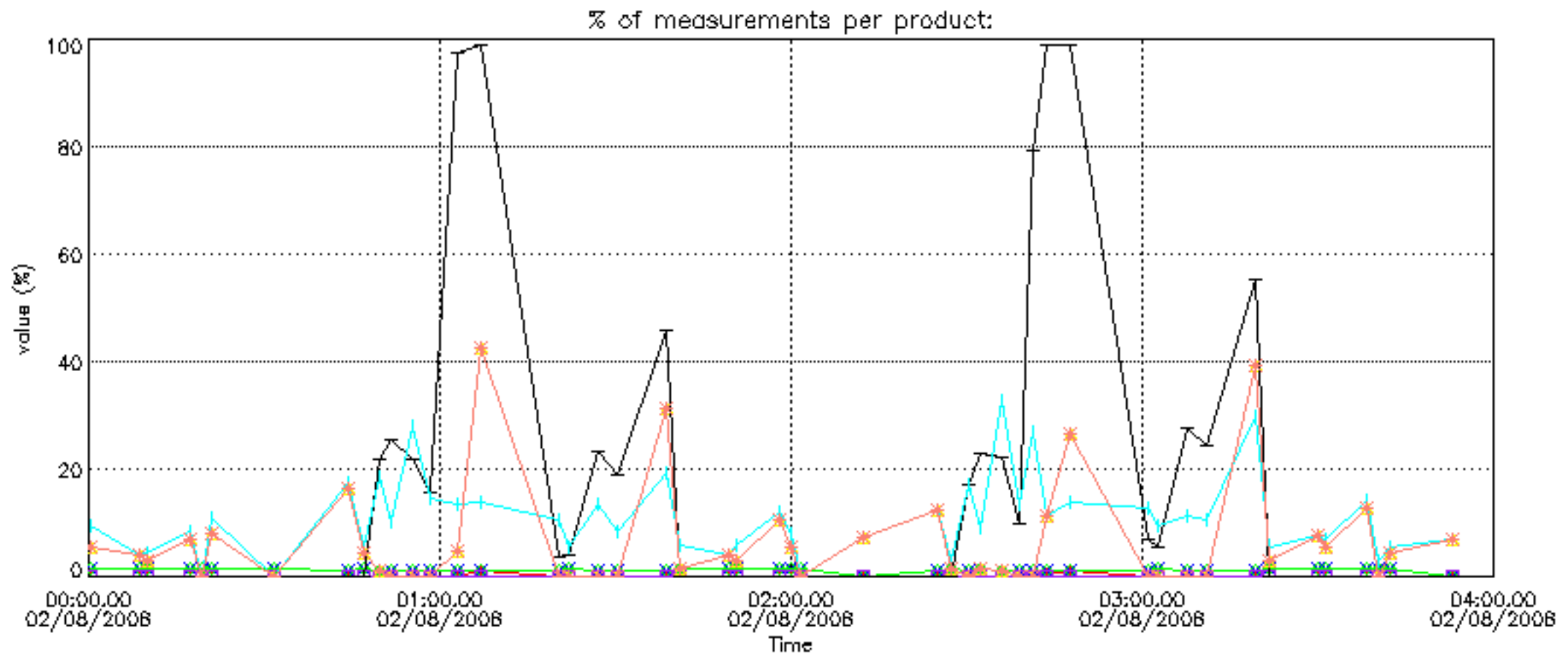
The number reported in the third column indicates since which file (see list in section 2.4) the corresponding auxiliary file has been used. The fourth column is the date of those product files.

Type	Auxiliary Filename	Used since product	Used since product date
INST_PHYS_CHARACTERISTICS	GOM_INS_AXNIEC20050627_150713_20030716_120000_20100101_000000	1	02-AUG-2008 00:00:22
CALIBRATION_DATABASE	GOM_CAL_AXVIEC20080801_080250_20080730_000000_20100101_000000	1	02-AUG-2008 00:00:22
LEVEL-1B_PROC_CONFIG	GOM_PR1_AXNIEC20050627_151042_20020301_000000_20100101_000000	1	02-AUG-2008 00:00:22
STAR_CATALOGUE	GOM_CAT_AXVIEC20020121_161009_20020101_000000_20200101_000000	1	02-AUG-2008 00:00:22
STELLAR_SPECTRA_DATABANK	GOM_STS_AXNIEC20040308_103538_20020101_160000_20100101_000000	1	02-AUG-2008 00:00:22
ECMWF_FILE	AUX_ECF_AXNECM20080801_072112_20080801_210000_20080802_090000	1	02-AUG-2008 00:00:22
OPTIONAL_ECMWF_FILE	MISSING	1	02-AUG-2008 00:00:22
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20080801_213911_000057382070_00458_33578_6069.N1	1	02-AUG-2008 00:00:22
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20080801_232008_000057382070_00459_33579_6070.N1	14	02-AUG-2008 01:00:44
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20080802_021528_000054192070_00461_33581_6072.N1	29	02-AUG-2008 02:25:00

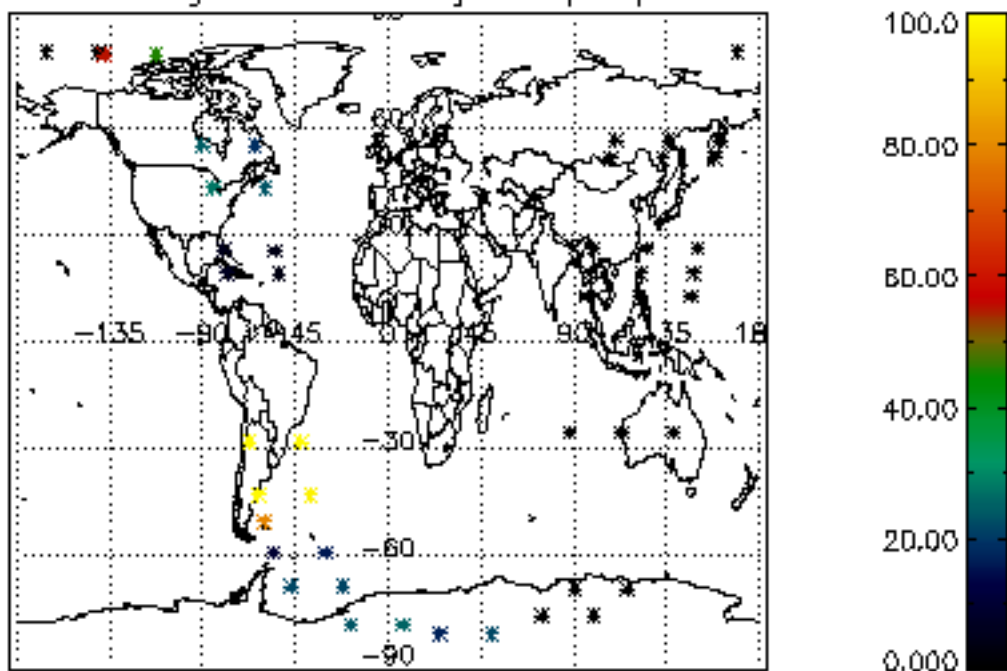




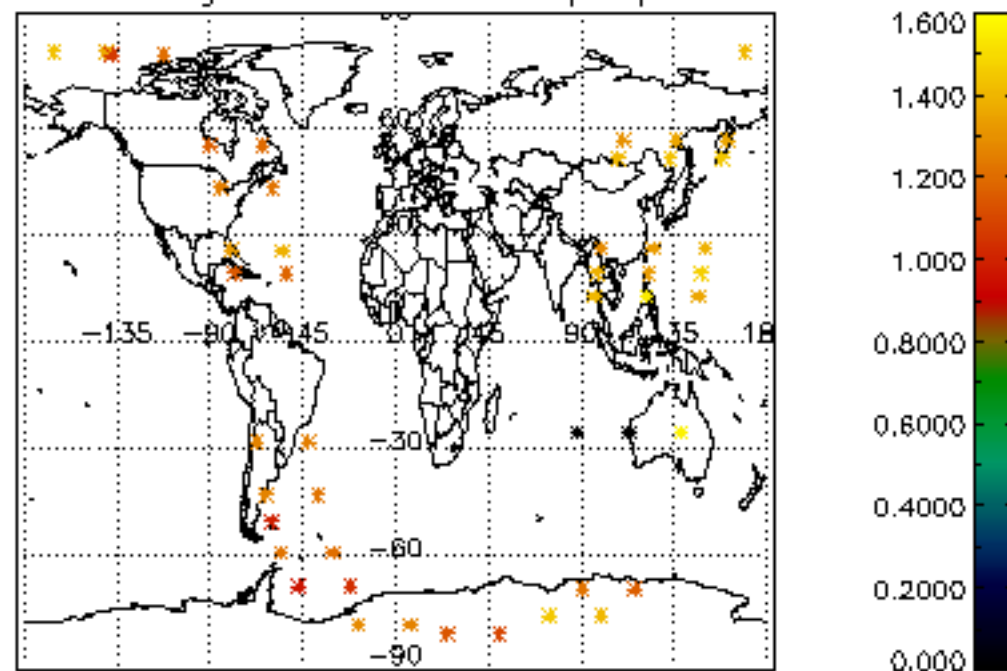




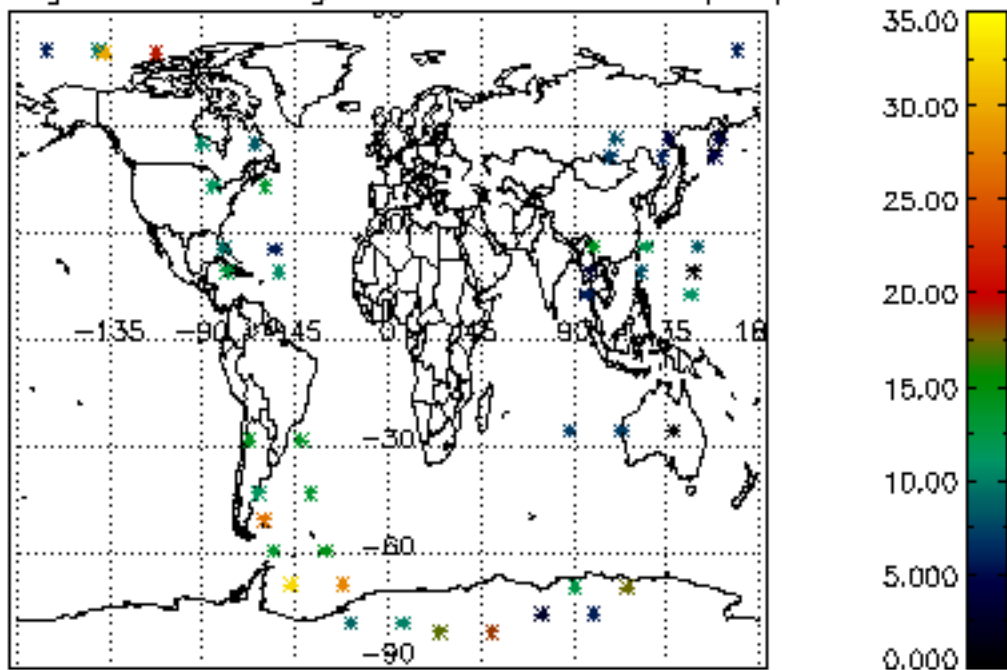
Percentage of cosmic ray hits per profile



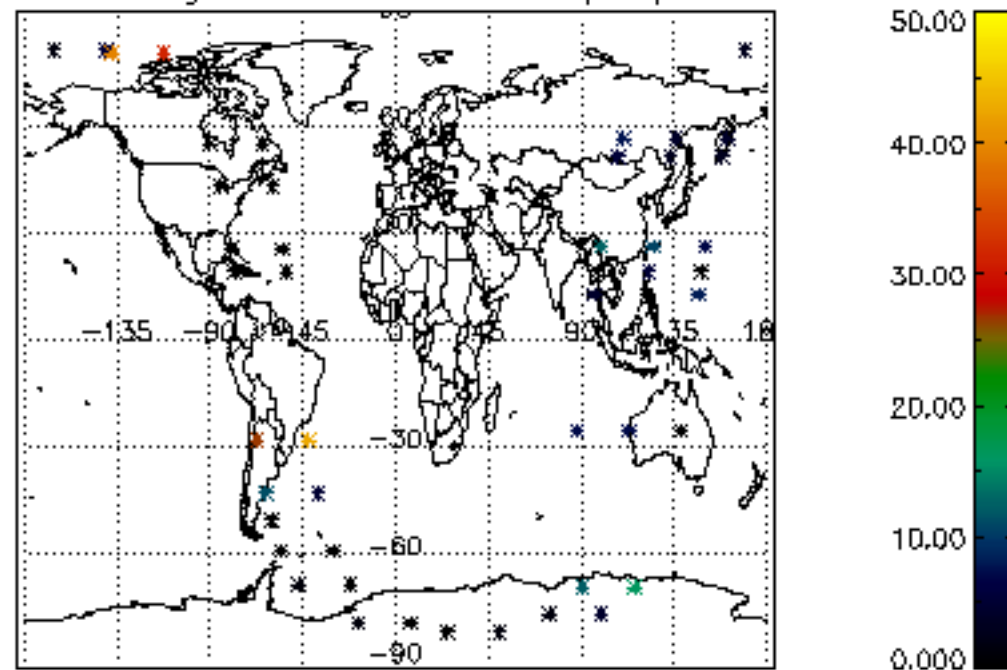
Percentage of datation errors per profile



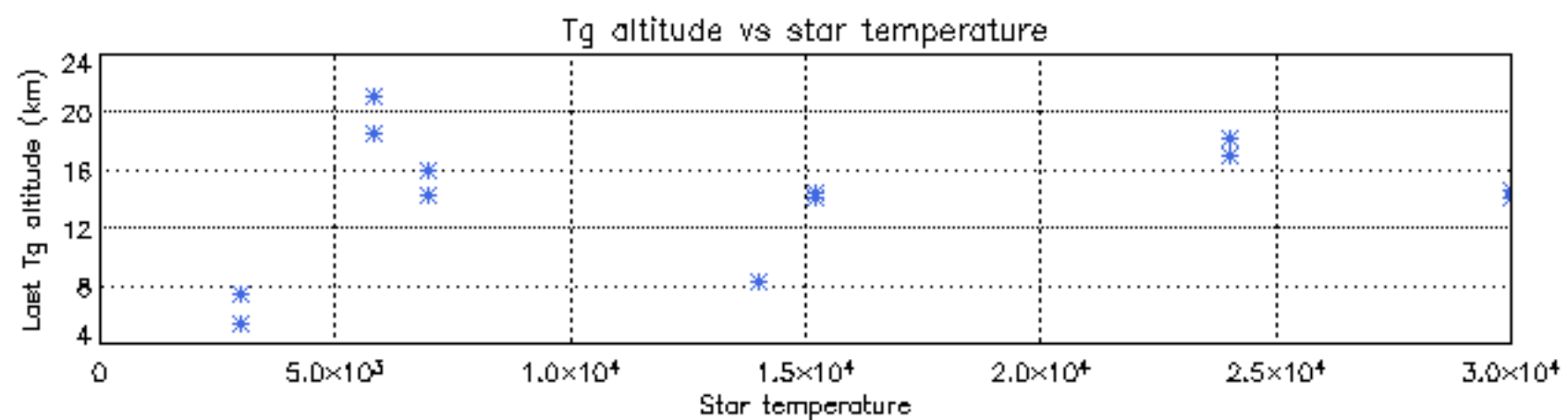
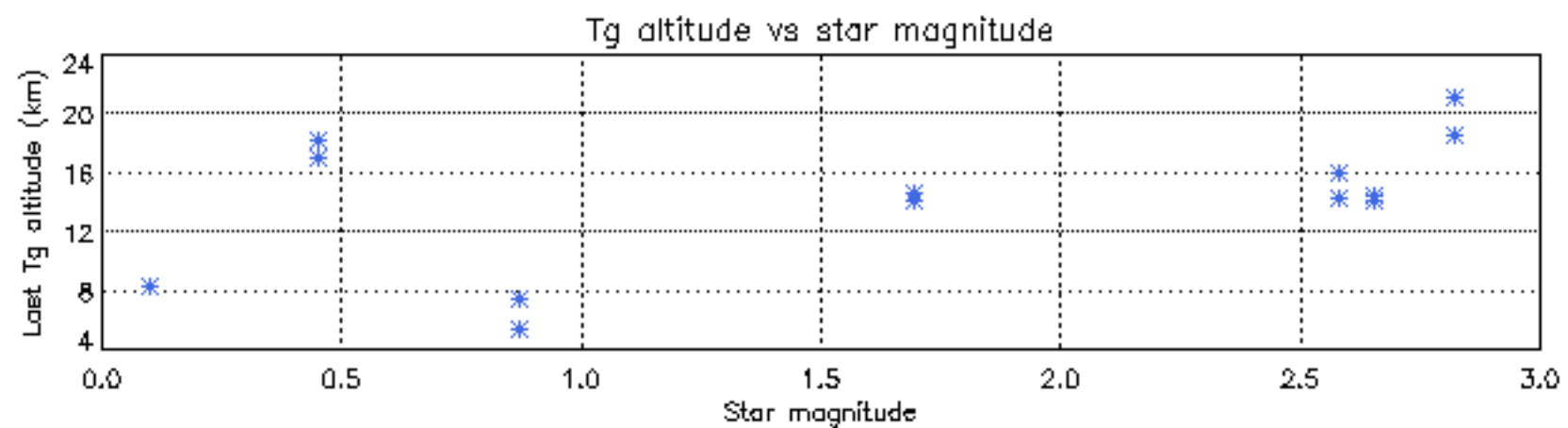
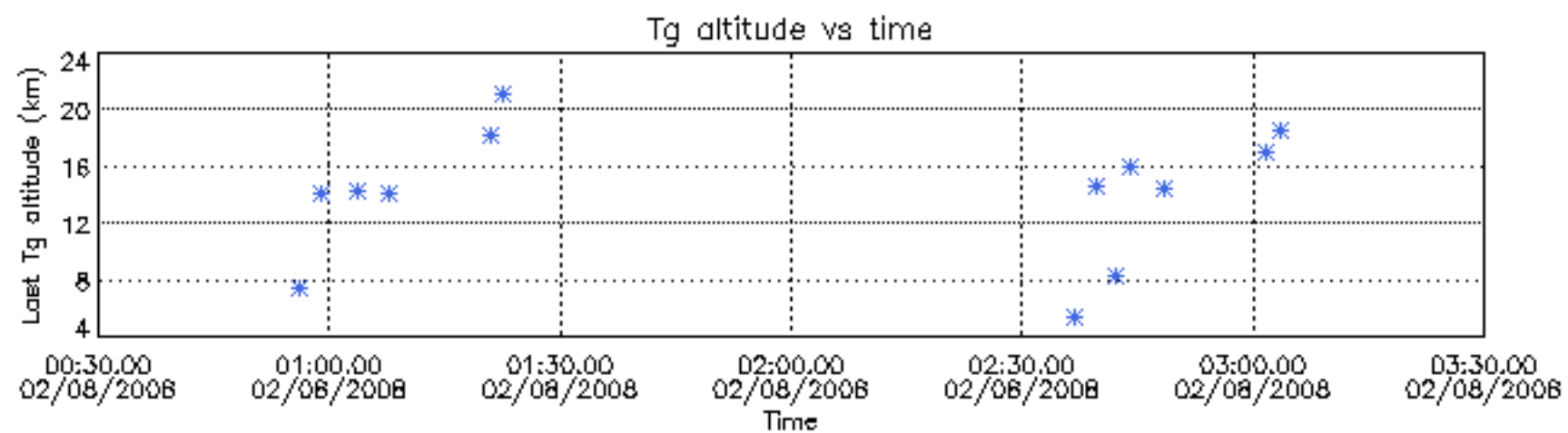
Percentage of star falling outside central band per profile



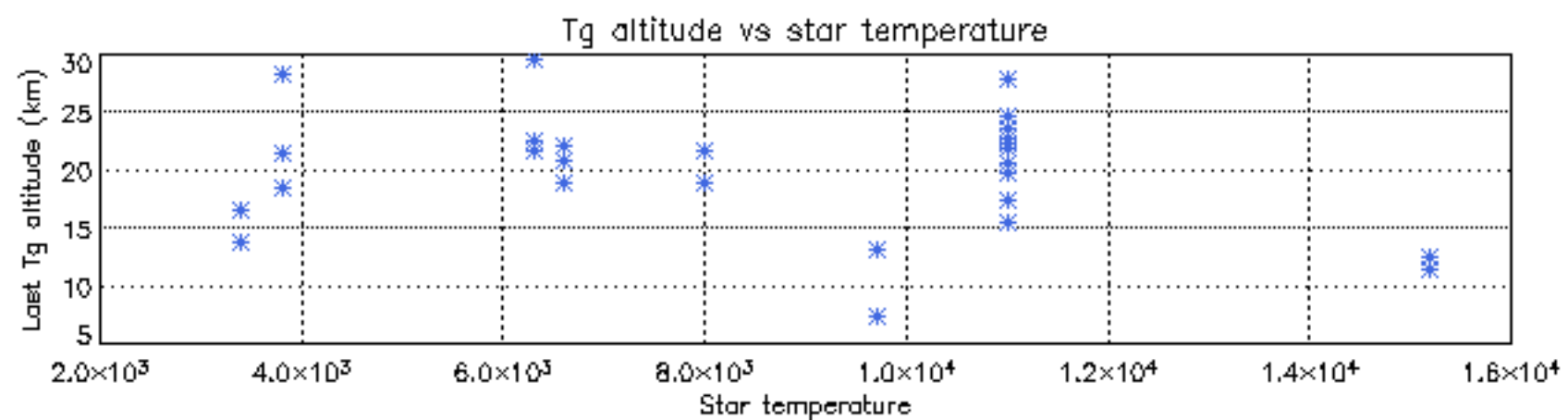
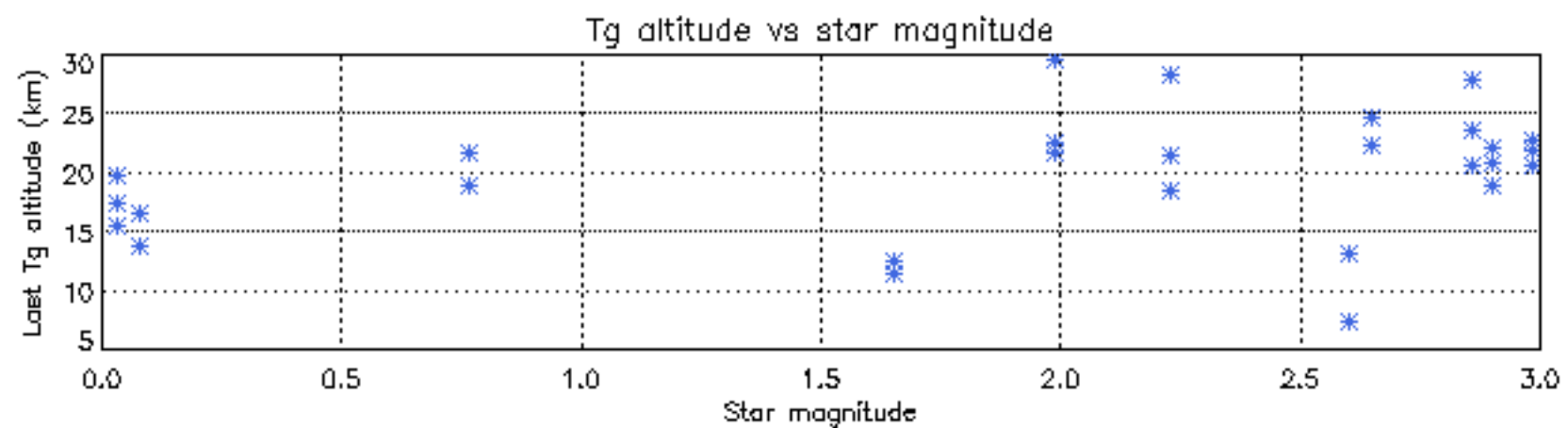
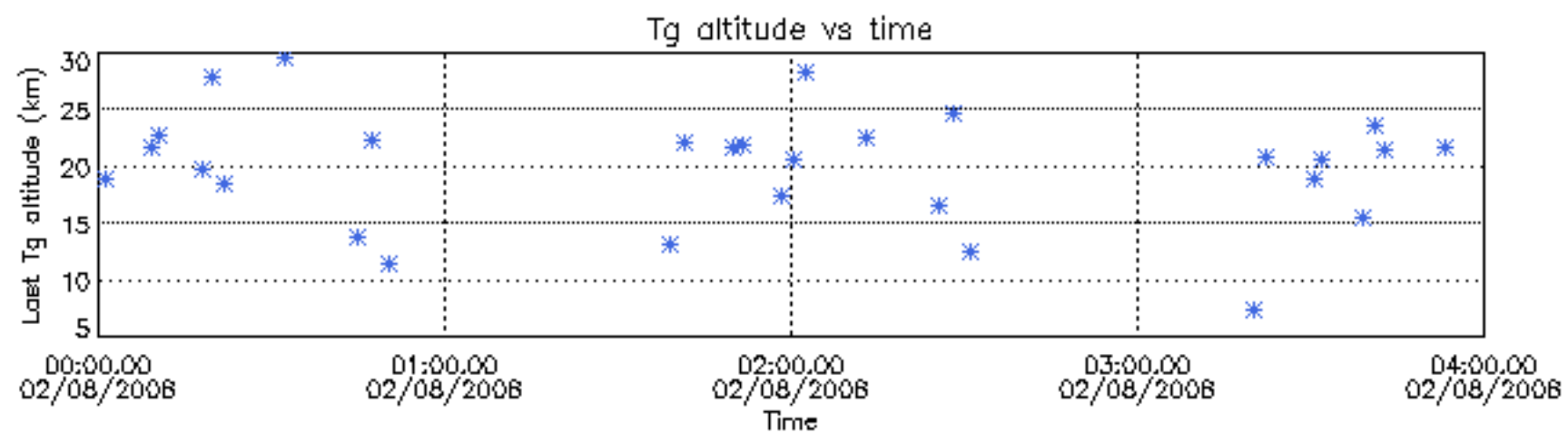
Percentage of saturation errors per profile

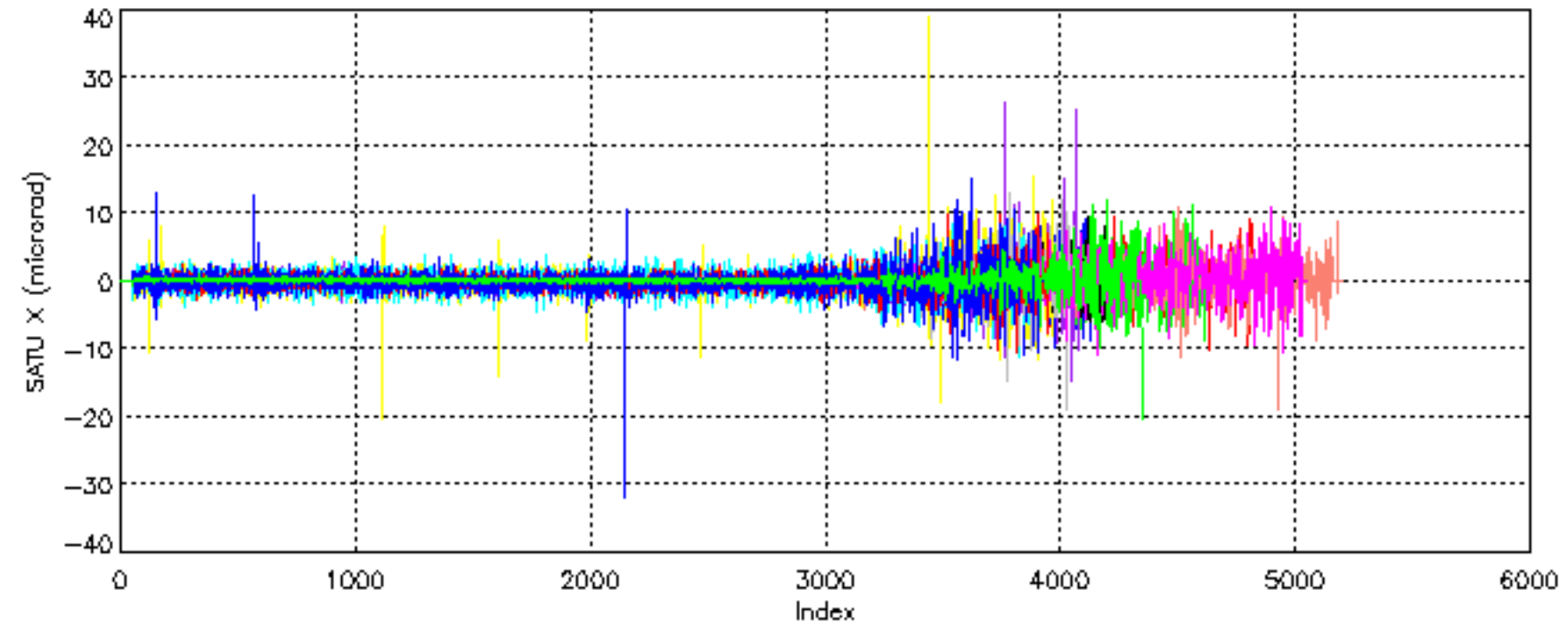


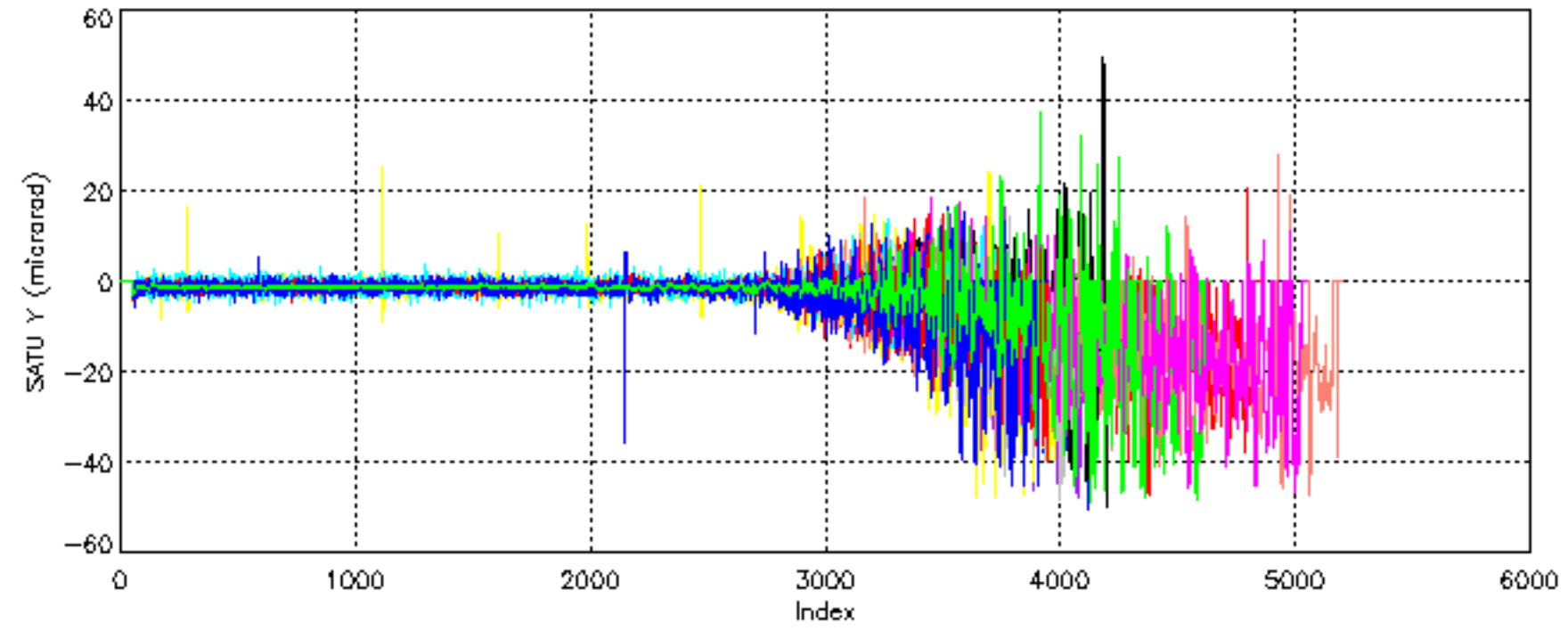
Tangent altitude at which the star is lost

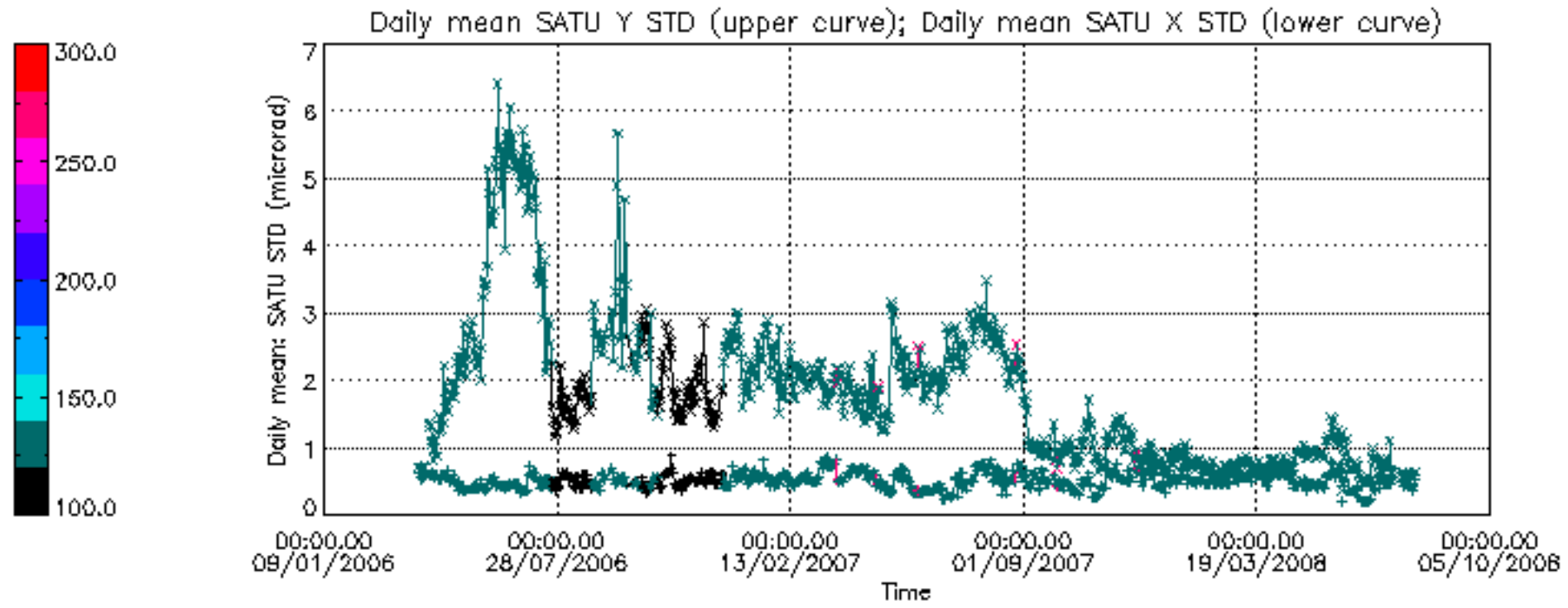


Tangent altitude at which the star is lost









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2; -730.5; 01-AUG-2008 01:34:25; Dark ; 41.5; 101; 11Alp Lep ; 2.58; 7000;occ; 83; 0;33566
3; -299.3; 01-AUG-2008 01:41:36; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;33566
4; -19.6; 01-AUG-2008 01:46:16; Dark ; 45.5; 157; The1Eri ; 2.91; 9300;occ; 91; 0;33566
5; 310.1; 01-AUG-2008 01:51:46; Dark ; 42.0; 9; Alp Eri ; 0.45; 24000;occ; 84; 0;33567
6; 720.4; 01-AUG-2008 01:58:36; Dark ; 42.5; 148; Alp Tuc ; 2.88; 4100;occ; 85; 0;33567
7; 921.8; 01-AUG-2008 02:01:57; Dark ; 46.0; 31; Alp Gru ; 1.73; 15200;occ; 92; 0;33567
8; 1110.0; 01-AUG-2008 02:05:05; Dark ; 45.5; 172; Gam Gru ; 3.00; 13100;occ; 91; 0;33567
9; 2059.2; 01-AUG-2008 02:20:55; Bright; 38.0; 11; 53Alp Aql ; 0.76; 8000;occ; 76; 0;33567
10; 2145.3; 01-AUG-2008 02:22:21; Bright; 34.0; 168; 17Zet Aql ; 2.99; 11000;occ; 68; 0;33567
11; 2570.2; 01-AUG-2008 02:29:26; Bright; 40.0; 5; 3Alp Lyr ; 0.03; 11000;occ; 80; 0;33567
12; 2694.1; 01-AUG-2008 02:31:30; Bright; 37.5; 144; 18Del Cyg ; 2.86; 11000;occ; 75; 0;33567
13; 3089.3; 01-AUG-2008 02:38:05; Bright; 37.0; 89; 5Alp Cep ; 2.45; 8000;occ; 74; 0;33567
14; 3441.0; 01-AUG-2008 02:43:56; Bright; 35.5; 49; 1Alp UMi ; 1.99; 6300;occ; 71; 0;33567

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2; -1689.0; 01-AUG-2008 02:59:02; Bright; 35.0; 107; 37The Aur ; 2.65; 11000;occ; 70; 0;33567
3; -1520.3; 01-AUG-2008 03:01:51; Dark ; 44.0; 28; 12Bet Tau ; 1.65; 15200;occ; 88; 0;33567
4; -1395.5; 01-AUG-2008 03:03:56; Dark ; 39.5; 176; 23Zet Tau ; 3.02; 22000;occ; 79; 0;33567
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6; -1009.5; 01-AUG-2008 03:10:22; Dark ; 41.5; 30; 46Eps Ori ; 1.69; 30000;occ; 83; 0;33567
7; -860.8; 01-AUG-2008 03:12:51; Dark ; 51.0; 7; 19Bet Ori ; 0.10; 14000;occ; 102; 0;33567
8; -730.2; 01-AUG-2008 03:15:01; Dark ; 39.0; 101; 11Alp Lep ; 2.58; 7000;occ; 78; 0;33567
9; -298.6; 01-AUG-2008 03:22:13; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;33567
10; -18.6; 01-AUG-2008 03:26:53; Dark ; 47.0; 157; The1Eri ; 2.91; 9300;occ; 94; 0;33567
11; 310.9; 01-AUG-2008 03:32:22; Dark ; 53.0; 9; Alp Eri ; 0.45; 24000;occ; 106; 0;33568
12; 721.0; 01-AUG-2008 03:39:12; Dark ; 43.5; 148; Alp Tuc ; 2.88; 4100;occ; 87; 0;33568
13; 922.4; 01-AUG-2008 03:42:34; Dark ; 43.0; 31; Alp Gru ; 1.73; 15200;occ; 86; 0;33568
14; 1110.6; 01-AUG-2008 03:45:42; Dark ; 45.5; 172; Gam Gru ; 3.00; 13100;occ; 91; 0;33568
15; 2059.2; 01-AUG-2008 04:01:31; Bright; 38.5; 11; 53Alp Aql ; 0.76; 8000;occ; 77; 0;33568
16; 2145.4; 01-AUG-2008 04:02:57; Bright; 35.0; 168; 17Zet Aql ; 2.99; 11000;occ; 70; 0;33568
17; 2570.4; 01-AUG-2008 04:10:02; Bright; 39.5; 5; 3Alp Lyr ; 0.03; 11000;occ; 79; 0;33568
18; 2693.9; 01-AUG-2008 04:12:05; Bright; 37.5; 144; 18Del Cyg ; 2.86; 11000;occ; 75; 0;33568
19; 3088.9; 01-AUG-2008 04:18:40; Bright; 39.0; 89; 5Alp Cep ; 2.45; 8000;occ; 78; 0;33568
20; 3441.1; 01-AUG-2008 04:24:32; Bright; 33.0; 49; 1Alp UMi ; 1.99; 6300;occ; 66; 0;33568

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2; -1688.9; 01-AUG-2008 04:39:39; Bright; 35.5; 107; 37The Aur ; 2.65; 11000;occ; 71; 0;33568
3; -1520.2; 01-AUG-2008 04:42:27; Dark ; 42.5; 28; 12Bet Tau ; 1.65; 15200;occ; 85; 0;33568
4; -1395.1; 01-AUG-2008 04:44:32; Dark ; 40.5; 176; 23Zet Tau ; 3.02; 22000;occ; 81; 0;33568
5; -1175.0; 01-AUG-2008 04:48:12; Dark ; 48.5; 14; 58Alp Ori ; 0.87; 3000;occ; 97; 0;33568
6; -1009.2; 01-AUG-2008 04:50:58; Dark ; 41.0; 30; 46Eps Ori ; 1.69; 30000;occ; 82; 0;33568
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9; -297.9; 01-AUG-2008 05:02:50; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;33568
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11; 311.6; 01-AUG-2008 05:12:59; Dark ; 42.5; 9; Alp Eri ; 0.45; 24000;occ; 85; 0;33569
12; 721.2; 01-AUG-2008 05:19:49; Dark ; 39.5; 148; Alp Tuc ; 2.88; 4100;occ; 79; 0;33569
13; 922.9; 01-AUG-2008 05:23:10; Dark ; 44.0; 31; Alp Gru ; 1.73; 15200;occ; 88; 0;33569
14; 1111.1; 01-AUG-2008 05:26:19; Dark ; 44.5; 172; Gam Gru ; 3.00; 13100;occ; 89; 0;33569
15; 2059.1; 01-AUG-2008 05:42:07; Bright; 37.5; 11; 53Alp Aql ; 0.76; 8000;occ; 75; 0;33569
16; 2145.5; 01-AUG-2008 05:43:33; Bright; 36.0; 168; 17Zet Aql ; 2.99; 11000;occ; 72; 0;33569
17; 2570.5; 01-AUG-2008 05:50:38; Bright; 39.0; 5; 3Alp Lyr ; 0.03; 11000;occ; 78; 0;33569
18; 2693.8; 01-AUG-2008 05:52:41; Bright; 37.5; 144; 18Del Cyg ; 2.86; 11000;occ; 75; 0;33569
19; 3088.5; 01-AUG-2008 05:59:16; Bright; 38.0; 89; 5Alp Cep ; 2.45; 8000;occ; 76; 0;33569
20; 3441.0; 01-AUG-2008 06:05:08; Bright; 33.0; 49; 1Alp UMi ; 1.99; 6300;occ; 66; 0;33569

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3; 2146.0; 01-AUG-2008 20:48:57; Bright; 34.5; 168; 17Zet Aql ; 2.99; 11000;occ; 69; 0;33578
4; 2571.2; 01-AUG-2008 20:56:02; Bright; 33.5; 5; 3Alp Lyr ; 0.03; 11000;occ; 67; 0;33578
5; 2691.9; 01-AUG-2008 20:58:03; Bright; 36.5; 144; 18Del Cyg ; 2.86; 11000;occ; 73; 0;33578
6; 3084.5; 01-AUG-2008 21:04:35; Bright; 40.0; 89; 5Alp Cep ; 2.45; 8000;occ; 80; 0;33578
7; 3440.8; 01-AUG-2008 21:10:32; Bright; 36.0; 49; 1Alp UMi ; 1.99; 6300;occ; 72; 0;33578
8; 4201.1; 01-AUG-2008 21:23:12; Bright; 40.5; 6; 13Alp Aur ; 0.08; 3400;occ; 81; 0;33578
9; 4348.4; 01-AUG-2008 21:25:39; Bright; 34.0; 107; 37The Aur ; 2.65; 11000;occ; 68; 0;33578
10; 4517.4; 01-AUG-2008 21:28:28; Dark ; 44.0; 28; 12Bet Tau ; 1.65; 15200;occ; 88; 0;33578

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12; 4863.6; 01-AUG-2008 21:34:14; Dark ; 53.0; 14; 58Alp Ori ; 0.87; 3000;occ; 106; 0;33578
13; 5030.4; 01-AUG-2008 21:37:01; Dark ; 41.5; 30; 46Eps Ori ; 1.69; 30000;occ; 83; 0;33578
14; 5180.2; 01-AUG-2008 21:39:31; Dark ; 48.5; 7; 19Bet Ori ; 0.10; 14000;occ; 97; 0;33578
15; 5310.0; 01-AUG-2008 21:41:41; Dark ; 15.0; 101; 11Alp Lep ; 2.58; 7000;occ; 30; 0;33578
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 3;-1520.0; 01-AUG-2008 06:23:03; Dark ; 42.0; 28; 12Bet Tau ; 1.65; 15200;occ; 84; 0;33569
 4;-1395.1; 01-AUG-2008 06:25:08; Dark ; 39.0; 176; 23Zet Tau ; 3.02; 22000;occ; 78; 0;33569
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 6;-1008.8; 01-AUG-2008 06:31:35; Dark ; 37.0; 30; 46Eps Ori ; 1.69; 30000;occ; 74; 0;33569
 7; -859.8; 01-AUG-2008 06:34:04; Dark ; 39.0; 7; 19Bet Ori ; 0.10; 14000;occ; 78; 0;33569
 8; -729.3; 01-AUG-2008 06:36:14; Dark ; 37.5; 101; 11Alp Lep ; 2.58; 7000;occ; 75; 0;33569
 9; -297.2; 01-AUG-2008 06:43:26; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;33569
10; -16.7; 01-AUG-2008 06:48:07; Dark ; 46.0; 157; The1Eri ; 2.91; 9300;occ; 92; 0;33569
11; 312.3; 01-AUG-2008 06:53:36; Dark ; 54.0; 9; Alp Eri ; 0.45; 24000;occ; 108; 0;33570
12; 721.8; 01-AUG-2008 07:00:25; Dark ; 43.5; 148; Alp Tuc ; 2.88; 4100;occ; 87; 0;33570
13; 923.5; 01-AUG-2008 07:03:47; Dark ; 46.0; 31; Alp Gru ; 1.73; 15200;occ; 92; 0;33570
14; 1111.6; 01-AUG-2008 07:06:55; Dark ; 43.5; 172; Gam Gru ; 3.00; 13100;occ; 87; 0;33570
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 3; 2570.5; 01-AUG-2008 07:31:14; Bright; 36.0; 5; 3Alp Lyr ; 0.03; 11000;occ; 72; 0;33570
 4; 2693.6; 01-AUG-2008 07:33:17; Bright; 37.5; 144; 18Del Cyg ; 2.86; 11000;occ; 75; 0;33570
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 7; 4201.2; 01-AUG-2008 07:58:25; Bright; 41.0; 6; 13Alp Aur ; 0.08; 3400;occ; 82; 0;33570
 8; 4347.3; 01-AUG-2008 08:00:51; Bright; 34.0; 107; 37The Aur ; 2.65; 11000;occ; 68; 0;33570
 9; 4516.0; 01-AUG-2008 08:03:39; Dark ; 41.5; 28; 12Bet Tau ; 1.65; 15200;occ; 83; 0;33570
10; 4641.1; 01-AUG-2008 08:05:44; Dark ; 38.0; 176; 23Zet Tau ; 3.02; 22000;occ; 76; 0;33570
11; 4861.6; 01-AUG-2008 08:09:25; Dark ; 40.5; 14; 58Alp Ori ; 0.87; 3000;occ; 81; 0;33570
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13; 5176.6; 01-AUG-2008 08:14:40; Dark ; 40.5; 7; 19Bet Ori ; 0.10; 14000;occ; 81; 0;33570
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15; 5739.5; 01-AUG-2008 08:24:03; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;33570
16; 6020.3; 01-AUG-2008 08:28:44; Dark ; 47.0; 157; The1Eri ; 2.91; 9300;occ; 94; 0;33570
17; 6348.9; 01-AUG-2008 08:34:12; Dark ; 43.0; 9; Alp Eri ; 0.45; 24000;occ; 86; 0;33570
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 5; 3087.5; 01-AUG-2008 09:20:27; Bright; 37.5; 89; 5Alp Cep ; 2.45; 8000;occ; 75; 0;33571
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4; 2685.3; 04-AUG-2008 12:40:41; Bright; 36.5; 144; 18Del Cyg ; 2.86; 11000;occ; 73; 0;33616
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9; 4651.6; 04-AUG-2008 13:13:27; Dark ; 40.5; 176; 23Zet Tau ; 3.02; 22000;occ; 81; 0;33616
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17; 6468.5; 13-AUG-2008 10:39:47; Dark ; 42.0; 9; Alp Eri ; 0.45; 24000;occ; 84; 0;33743
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4; 2702.6; 13-AUG-2008 11:17:37; Bright; 36.0; 19; 50Alp Cyg ; 1.25; 10500;occ; 72; 0;33744
5; 3438.5; 13-AUG-2008 11:29:52; Bright; 36.5; 49; 1Alp UMi ; 1.99; 6300;occ; 73; 0;33744
6; 4220.8; 13-AUG-2008 11:42:55; Bright; 45.5; 42; 34Bet Aur ; 1.90; 10200;occ; 91; 0;33744
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16; 7038.2; 13-AUG-2008 12:29:52; Dark ; 43.0; 31; Alp Gru ; 1.73; 15200;occ; 86; 0;33744
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4; 2702.4; 13-AUG-2008 12:58:12; Bright; 36.0; 19; 50Alp Cyg ; 1.25; 10500;occ; 72; 0;33745
5; 3025.7; 13-AUG-2008 13:03:35; Bright; 38.0; 89; 5Alp Cep ; 2.45; 8000;occ; 76; 0;33745
6; 3438.6; 13-AUG-2008 13:10:28; Bright; 36.5; 49; 1Alp UMi ; 1.99; 6300;occ; 73; 0;33745
7; 4220.7; 13-AUG-2008 13:23:31; Bright; 37.0; 42; 34Bet Aur ; 1.90; 10200;occ; 74; 0;33745
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11; 4918.5; 13-AUG-2008 13:35:08; Dark ; 47.5; 14; 58Alp Ori ; 0.87; 3000;occ; 95; 0;33745
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4; 3025.4; 13-AUG-2008 14:44:11; Bright; 38.5; 89; 5Alp Cep ; 2.45; 8000;occ; 77; 0;33746
5; 3438.7; 13-AUG-2008 14:51:04; Bright; 33.0; 49; 1Alp UMi ; 1.99; 6300;occ; 66; 0;33746
6; 4220.9; 13-AUG-2008 15:04:07; Bright; 38.5; 42; 34Bet Aur ; 1.90; 10200;occ; 77; 0;33746
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3; 2598.5; 15-AUG-2008 15:14:26; Bright; 38.0; 66; 37Gam Cyg ; 2.21; 5900;occ; 76; 0;33775
4; 2675.1; 15-AUG-2008 15:15:43; Bright; 35.0; 144; 18Del Cyg ; 2.86; 11000;occ; 70; 0;33775
5; 3017.3; 15-AUG-2008 15:21:25; Bright; 38.0; 89; 5Alp Cep ; 2.45; 8000;occ; 76; 0;33775
6; 3438.2; 15-AUG-2008 15:28:26; Bright; 34.5; 49; 1Alp UMi ; 1.99; 6300;occ; 69; 0;33775
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8; 4720.9; 15-AUG-2008 15:49:48; Dark ; 39.5; 44; 24Gam Gem ; 1.93; 11000;occ; 79; 0;33775
9; 5268.7; 15-AUG-2008 15:58:56; Dark ; 42.0; 1; 9Alp CMa ;-1.44; 11000;occ; 84; 0;33775
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 9; 4721.1; 15-AUG-2008 17:30:25; Dark ; 39.0; 44; 24Gam Gem ; 1.93; 11000;occ; 78; 0;33776
 10; 5269.0; 15-AUG-2008 17:39:32; Dark ; 45.5; 1; 9Alp CMa ; -1.44; 11000;occ; 91; 0;33776
 11; 5615.2; 15-AUG-2008 17:45:19; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;33776
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 13; 6491.3; 15-AUG-2008 17:59:55; Dark ; 42.0; 9; Alp Eri ; 0.45; 24000;occ; 84; 0;33776
 14; 6836.8; 15-AUG-2008 18:05:40; Dark ; 46.0; 148; Alp Tuc ; 2.88; 4100;occ; 92; 0;33776
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 4; 2503.2; 15-AUG-2008 18:34:03; Bright; 39.0; 92; 53Eps Cyg ; 2.50; 4500;occ; 78; 0;33777
 5; 2598.2; 15-AUG-2008 18:35:38; Bright; 39.5; 66; 37Gam Cyg ; 2.21; 5900;occ; 79; 0;33777
 6; 2675.2; 15-AUG-2008 18:36:55; Bright; 35.0; 144; 18Del Cyg ; 2.86; 11000;occ; 70; 0;33777
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 15; 5864.0; 15-AUG-2008 19:30:03; Dark ; 41.5; 2; Alp Car ; -0.74; 7000;occ; 83; 0;33777
 16; 6492.0; 15-AUG-2008 19:40:31; Dark ; 46.5; 9; Alp Eri ; 0.45; 24000;occ; 93; 0;33777
 17; 6837.0; 15-AUG-2008 19:46:16; Dark ; 39.0; 148; Alp Tuc ; 2.88; 4100;occ; 78; 0;33777
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 4; 212.5; 16-AUG-2008 00:38:16; Dark ; 50.5; 157; The1Eri ; 2.91; 9300;occ; 101; 0;33781
 5; 458.0; 16-AUG-2008 00:42:21; Dark ; 46.0; 9; Alp Eri ; 0.45; 24000;occ; 92; 0;33781
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 7; 1015.8; 16-AUG-2008 00:51:39; Dark ; 42.0; 31; Alp Gru ; 1.73; 15200;occ; 84; 0;33781
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 9; 1592.0; 16-AUG-2008 01:01:15; Bright; 45.0; 142; 49Del Cap ; 2.85; 8900;occ; 90; 0;33781
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 12; 2597.6; 16-AUG-2008 01:18:01; Bright; 38.0; 66; 37Gam Cyg ; 2.21; 5900;occ; 76; 0;33781
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 16; 4193.2; 16-AUG-2008 01:44:36; Bright; 48.5; 6; 13Alp Aur ; 0.08; 3400;occ; 97; 0;33781
 17; 4367.4; 16-AUG-2008 01:47:30; Bright; 39.0; 107; 37The Aur ; 2.65; 11000;occ; 78; 0;33781
 18; 4553.7; 16-AUG-2008 01:50:37; Dark ; 50.0; 28; 12Bet Tau ; 1.65; 15200;occ; 100; 0;33781
 19; 4722.2; 16-AUG-2008 01:53:25; Dark ; 37.5; 44; 24Gam Gem ; 1.93; 11000;occ; 75; 0;33781
 20; 4933.4; 16-AUG-2008 01:56:56; Dark ; 56.0; 14; 58Alp Ori ; 0.87; 3000;occ; 112; 0;33781
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 4; -618.8; 16-AUG-2008 02:05:00; Dark ; 47.5; 101; 11Alp Lep ; 2.58; 7000;occ; 95; 0;33781
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 7; 458.8; 16-AUG-2008 02:22:58; Dark ; 54.5; 9; Alp Eri ; 0.45; 24000;occ; 109; 0;33782
 8; 803.3; 16-AUG-2008 02:28:42; Dark ; 54.5; 84; Alp Phe ; 2.40; 4500;occ; 109; 0;33782
 9; 1016.2; 16-AUG-2008 02:32:15; Dark ; 42.0; 31; Alp Gru ; 1.73; 15200;occ; 84; 0;33782
 10; 1253.4; 16-AUG-2008 02:36:12; Dark ; 54.0; 18; 24Alp PsA ; 1.17; 9700;occ; 108; 0;33782
 11; 1592.3; 16-AUG-2008 02:41:51; Bright; 43.5; 142; 49Del Cap ; 2.85; 8900;occ; 87; 0;33782
 12; 1799.9; 16-AUG-2008 02:45:19; Bright; 41.5; 154; 22Bet Aqr ; 2.90; 5700;occ; 83; 0;33782
 13; 2112.8; 16-AUG-2008 02:50:32; Bright; 44.0; 61; 8Eps Peg ; 2.10; 3900;occ; 88; 0;33782

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14; 1016.8; 16-AUG-2008 04:12:52; Dark ; 41.5; 31; Alp Gru ; 1.73; 15200;occ; 83; 0;33783
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12; 4556.0; 16-AUG-2008 21:57:50; Dark ; 53.5; 28; 12Bet Tau ; 1.65; 15200;occ; 107; 0;33793
13; 4725.4; 16-AUG-2008 22:00:40; Dark ; 42.5; 44; 24Gam Gem ; 1.93; 11000;occ; 85; 0;33793
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12;	4190.9;	17-AUG-2008	19:39:32;	Bright;	47.5;	6;	13Alp Aur	;	0.08;	3400;occ;	95;	0;33806	
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 10; 1910.6; 20-AUG-2008 00:40:41; Bright; 45.5; 162; 34Alp Aqr ; 2.94; 5350;occ; 91; 0;33838
 11; 2097.8; 20-AUG-2008 00:43:48; Bright; 40.0; 61; 8Eps Peg ; 2.10; 3900;occ; 80; 0;33838
 12; 2493.1; 20-AUG-2008 00:50:24; Bright; 35.5; 92; 53Eps Cyg ; 2.50; 4500;occ; 71; 0;33838
 13; 2593.4; 20-AUG-2008 00:52:04; Bright; 35.5; 66; 37Gam Cyg ; 2.21; 5900;occ; 71; 0;33838
 14; 2685.3; 20-AUG-2008 00:53:36; Bright; 36.5; 19; 50Alp Cyg ; 1.25; 10500;occ; 73; 0;33838
 15; 3002.0; 20-AUG-2008 00:58:53; Bright; 38.0; 89; 5Alp Cep ; 2.45; 8000;occ; 76; 0;33838
 16; 3437.1; 20-AUG-2008 01:06:08; Bright; 33.0; 49; 1Alp UMi ; 1.99; 6300;occ; 66; 0;33838
 17; 4187.4; 20-AUG-2008 01:18:38; Bright; 49.5; 6; 13Alp Aur ; 0.08; 3400;occ; 99; 0;33838
 18; 4371.3; 20-AUG-2008 01:21:42; Bright; 49.0; 107; 37The Aur ; 2.65; 11000;occ; 98; 0;33838
 19; 4565.5; 20-AUG-2008 01:24:56; Dark ; 42.0; 28; 12Bet Tau ; 1.65; 15200;occ; 84; 0;33838
 20; 4640.2; 20-AUG-2008 01:26:11; Dark ; 49.5; 151; 13Mu Gem ; 2.89; 3000;occ; 99; 0;33838
 21; 4737.2; 20-AUG-2008 01:27:48; Dark ; 42.0; 44; 24Gam Gem ; 1.93; 11000;occ; 84; 0;33838
 22; 4960.2; 20-AUG-2008 01:31:31; Dark ; 63.0; 14; 58Alp Ori ; 0.87; 3000;occ; 126; 0;33838
 23; 5045.8; 20-AUG-2008 01:32:56; Dark ; 52.5; 27; 24Gam Ori ; 1.64; 26000;occ; 105; 0;33838
 24; 5163.0; 20-AUG-2008 01:34:54; Dark ; 51.0; 30; 46Eps Ori ; 1.69; 30000;occ; 102; 0;33838

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1; -1847.2; 19-AUG-2008 06:52:04; Bright; 52.0; 6; 13Alp Aur ; 0.08; 3400;occ; 104; 0;33827
 2; -1665.1; 19-AUG-2008 06:55:06; Bright; 40.5; 107; 37The Aur ; 2.65; 11000;occ; 81; 0;33827
 3; -1472.8; 19-AUG-2008 06:58:19; Dark ; 50.0; 28; 12Bet Tau ; 1.65; 15200;occ; 100; 0;33827
 4; -1301.7; 19-AUG-2008 07:01:10; Dark ; 43.0; 44; 24Gam Gem ; 1.93; 11000;occ; 86; 0;33827
 5; -1081.1; 19-AUG-2008 07:04:50; Dark ; 53.0; 14; 58Alp Ori ; 0.87; 3000;occ; 106; 0;33827

6; -997.6; 19-AUG-2008 07:06:14; Dark ; 52.5; 27; 24Gam Ori ; 1.64; 26000;occ; 105; 0;33827
7; -880.6; 19-AUG-2008 07:08:11; Dark ; 50.0; 30; 46Eps Ori ; 1.69; 30000;occ; 100; 0;33827
8; -793.5; 19-AUG-2008 07:09:38; Dark ; 46.0; 125; 44Iot Ori ; 2.77; 30000;occ; 92; 0;33827
9; -691.0; 19-AUG-2008 07:11:20; Dark ; 63.5; 7; 19Bet Ori ; 0.10; 14000;occ; 127; 0;33827
10; -585.6; 19-AUG-2008 07:13:06; Dark ; 47.5; 101; 11Alp Lep ; 2.58; 7000;occ; 95; 0;33827
11; -412.7; 19-AUG-2008 07:15:59; Dark ; 59.0; 0; ; 0.00; 0;occ; 118; 0;33827
12; 269.0; 19-AUG-2008 07:27:20; Dark ; 53.0; 157; The1Eri ; 2.91; 9300;occ; 106; 0;33828
13; 489.9; 19-AUG-2008 07:31:01; Dark ; 43.0; 9; Alp Eri ; 0.45; 24000;occ; 86; 0;33828
14; 840.7; 19-AUG-2008 07:36:52; Dark ; 53.0; 84; Alp Phe ; 2.40; 4500;occ; 106; 0;33828
15; 1032.7; 19-AUG-2008 07:40:04; Dark ; 40.5; 31; Alp Gru ; 1.73; 15200;occ; 81; 0;33828
16; 1271.9; 19-AUG-2008 07:44:03; Dark ; 53.0; 18; 24Alp PsA ; 1.17; 9700;occ; 106; 0;33828
17; 1597.6; 19-AUG-2008 07:49:29; Bright; 41.0; 142; 49Del Cap ; 2.85; 8900;occ; 82; 0;33828

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1; 1799.4; 19-AUG-2008 07:52:51; Bright; 40.5; 154; 22Bet Aqr ; 2.90; 5700;occ; 81; 0;33828
2; 1912.6; 19-AUG-2008 07:54:44; Bright; 45.0; 162; 34Alp Aqr ; 2.94; 5350;occ; 90; 0;33828
3; 2100.2; 19-AUG-2008 07:57:52; Bright; 43.0; 61; 8Eps Peg ; 2.10; 3900;occ; 86; 0;33828
4; 2494.5; 19-AUG-2008 08:04:26; Bright; 38.5; 92; 53Eps Cyg ; 2.50; 4500;occ; 77; 0;33828
5; 2594.1; 19-AUG-2008 08:06:05; Bright; 36.5; 66; 37Gam Cyg ; 2.21; 5900;occ; 73; 0;33828
6; 2686.9; 19-AUG-2008 08:07:38; Bright; 37.5; 19; 50Alp Cyg ; 1.25; 10500;occ; 75; 0;33828
7; 3004.3; 19-AUG-2008 08:12:56; Bright; 37.5; 89; 5Alp Cep ; 2.45; 8000;occ; 75; 0;33828
8; 3437.5; 19-AUG-2008 08:20:09; Bright; 34.5; 49; 1Alp UMi ; 1.99; 6300;occ; 69; 0;33828
9; 4188.7; 19-AUG-2008 08:32:40; Bright; 51.0; 6; 13Alp Aur ; 0.08; 3400;occ; 102; 0;33828
10; 4370.9; 19-AUG-2008 08:35:42; Bright; 40.0; 107; 37The Aur ; 2.65; 11000;occ; 80; 0;33828
11; 4563.4; 19-AUG-2008 08:38:55; Dark ; 55.5; 28; 12Bet Tau ; 1.65; 15200;occ; 111; 0;33828
12; 4734.6; 19-AUG-2008 08:41:46; Dark ; 41.5; 44; 24Gam Gem ; 1.93; 11000;occ; 83; 0;33828
13; 4955.2; 19-AUG-2008 08:45:27; Dark ; 54.0; 14; 58Alp Ori ; 0.87; 3000;occ; 108; 0;33828
14; 5039.0; 19-AUG-2008 08:46:50; Dark ; 54.5; 27; 24Gam Ori ; 1.64; 26000;occ; 109; 0;33828
15; 5156.1; 19-AUG-2008 08:48:48; Dark ; 51.0; 30; 46Eps Ori ; 1.69; 30000;occ; 102; 0;33828
16; 5243.2; 19-AUG-2008 08:50:15; Dark ; 45.5; 125; 44Iot Ori ; 2.77; 30000;occ; 91; 0;33828
17; 5345.8; 19-AUG-2008 08:51:57; Dark ; 61.0; 7; 19Bet Ori ; 0.10; 14000;occ; 122; 0;33828
18; 5451.1; 19-AUG-2008 08:53:42; Dark ; 47.0; 101; 11Alp Lep ; 2.58; 7000;occ; 94; 0;33828
19; 5624.0; 19-AUG-2008 08:56:35; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;33828
20; 6306.1; 19-AUG-2008 09:07:58; Dark ; 50.5; 157; The1Eri ; 2.91; 9300;occ; 101; 0;33828
21; 6526.5; 19-AUG-2008 09:11:38; Dark ; 46.0; 9; Alp Eri ; 0.45; 24000;occ; 92; 0;33828
22; 6877.4; 19-AUG-2008 09:17:29; Dark ; 65.0; 84; Alp Phe ; 2.40; 4500;occ; 130; 0;33828
23; 7068.9; 19-AUG-2008 09:20:40; Dark ; 41.5; 31; Alp Gru ; 1.73; 15200;occ; 83; 0;33828
24; 7308.1; 19-AUG-2008 09:24:40; Dark ; 54.0; 18; 24Alp PsA ; 1.17; 9700;occ; 108; 0;33828
25; 7633.6; 19-AUG-2008 09:30:05; Bright; 42.5; 142; 49Del Cap ; 2.85; 8900;occ; 85; 0;33828
26; 7835.4; 19-AUG-2008 09:33:27; Bright; 18.5; 154; 22Bet Aqr ; 2.90; 5700;occ; 37; 0;33828

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2; 1912.4; 19-AUG-2008 09:35:20; Bright; 45.0; 162; 34Alp Aqr ; 2.94; 5350;occ; 90; 0;33829
3; 2099.9; 19-AUG-2008 09:38:27; Bright; 43.0; 61; 8Eps Peg ; 2.10; 3900;occ; 86; 0;33829
4; 2494.3; 19-AUG-2008 09:45:02; Bright; 36.5; 92; 53Eps Cyg ; 2.50; 4500;occ; 73; 0;33829
5; 2593.9; 19-AUG-2008 09:46:41; Bright; 34.5; 66; 37Gam Cyg ; 2.21; 5900;occ; 69; 0;33829
6; 2686.8; 19-AUG-2008 09:48:14; Bright; 35.5; 19; 50Alp Cyg ; 1.25; 10500;occ; 71; 0;33829
7; 3004.0; 19-AUG-2008 09:53:31; Bright; 37.0; 89; 5Alp Cep ; 2.45; 8000;occ; 74; 0;33829
8; 3437.5; 19-AUG-2008 10:00:45; Bright; 36.5; 49; 1Alp UMi ; 1.99; 6300;occ; 73; 0;33829
9; 4188.5; 19-AUG-2008 10:13:16; Bright; 47.5; 6; 13Alp Aur ; 0.08; 3400;occ; 95; 0;33829
10; 4370.9; 19-AUG-2008 10:16:18; Bright; 39.5; 107; 37The Aur ; 2.65; 11000;occ; 79; 0;33829
11; 4563.6; 19-AUG-2008 10:19:31; Dark ; 52.5; 28; 12Bet Tau ; 1.65; 15200;occ; 105; 0;33829
12; 4734.8; 19-AUG-2008 10:22:22; Dark ; 40.0; 44; 24Gam Gem ; 1.93; 11000;occ; 80; 0;33829
13; 4955.7; 19-AUG-2008 10:26:03; Dark ; 59.5; 14; 58Alp Ori ; 0.87; 3000;occ; 119; 0;33829
14; 5039.7; 19-AUG-2008 10:27:27; Dark ; 56.5; 27; 24Gam Ori ; 1.64; 26000;occ; 113; 0;33829
15; 5156.7; 19-AUG-2008 10:29:24; Dark ; 52.0; 30; 46Eps Ori ; 1.69; 30000;occ; 104; 0;33829
16; 5244.0; 19-AUG-2008 10:30:51; Dark ; 45.5; 125; 44Iot Ori ; 2.77; 30000;occ; 91; 0;33829
17; 5346.8; 19-AUG-2008 10:32:34; Dark ; 60.0; 7; 19Bet Ori ; 0.10; 14000;occ; 120; 0;33829
18; 5451.8; 19-AUG-2008 10:34:19; Dark ; 49.0; 101; 11Alp Lep ; 2.58; 7000;occ; 98; 0;33829
19; 5624.8; 19-AUG-2008 10:37:12; Dark ; 59.0; 0; ; 0.00; 0;occ; 118; 0;33829
20; 6307.3; 19-AUG-2008 10:48:35; Dark ; 50.0; 157; The1Eri ; 2.91; 9300;occ; 100; 0;33829
21; 6527.2; 19-AUG-2008 10:52:15; Dark ; 45.0; 9; Alp Eri ; 0.45; 24000;occ; 90; 0;33829
22; 6878.1; 19-AUG-2008 10:58:05; Dark ; 56.5; 84; Alp Phe ; 2.40; 4500;occ; 113; 0;33829
23; 7069.2; 19-AUG-2008 11:01:17; Dark ; 41.5; 31; Alp Gru ; 1.73; 15200;occ; 83; 0;33829
24; 7308.6; 19-AUG-2008 11:05:16; Dark ; 54.0; 18; 24Alp PsA ; 1.17; 9700;occ; 108; 0;33829
25; 7633.6; 19-AUG-2008 11:10:41; Bright; 42.0; 142; 49Del Cap ; 2.85; 8900;occ; 84; 0;33829

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1; 1799.3; 19-AUG-2008 11:14:03; Bright; 41.5; 154; 22Bet Aqr ; 2.90; 5700;occ; 83; 0;33830
2; 1912.1; 19-AUG-2008 11:15:55; Bright; 45.5; 162; 34Alp Aqr ; 2.94; 5350;occ; 91; 0;33830

3;	2099.6;	19-AUG-2008	11:19:03;	Bright;	41.0;	61;	8Eps Peg	; 2.10;	3900;occ;	82;	0;33830
4;	2494.1;	19-AUG-2008	11:25:37;	Bright;	36.0;	92;	53Eps Cyg	; 2.50;	4500;occ;	72;	0;33830
5;	2593.9;	19-AUG-2008	11:27:17;	Bright;	37.0;	66;	37Gam Cyg	; 2.21;	5900;occ;	74;	0;33830
6;	2686.6;	19-AUG-2008	11:28:50;	Bright;	38.5;	19;	50Alp Cyg	; 1.25;	10500;occ;	77;	0;33830
7;	3003.8;	19-AUG-2008	11:34:07;	Bright;	38.0;	89;	5Alp Cep	; 2.45;	8000;occ;	76;	0;33830
8;	3437.2;	19-AUG-2008	11:41:20;	Bright;	36.5;	49;	1Alp UMi	; 1.99;	6300;occ;	73;	0;33830
9;	4188.3;	19-AUG-2008	11:53:51;	Bright;	47.0;	6;	13Alp Aur	; 0.08;	3400;occ;	94;	0;33830
10;	4371.0;	19-AUG-2008	11:56:54;	Bright;	39.5;	107;	37The Aur	; 2.65;	11000;occ;	79;	0;33830
11;	4563.7;	19-AUG-2008	12:00:07;	Dark	; 52.0;	28;	12Bet Tau	; 1.65;	15200;occ;	104;	0;33830
12;	4735.0;	19-AUG-2008	12:02:58;	Dark	; 40.0;	44;	24Gam Gem	; 1.93;	11000;occ;	80;	0;33830
13;	4956.2;	19-AUG-2008	12:06:39;	Dark	; 62.0;	14;	58Alp Ori	; 0.87;	3000;occ;	124;	0;33830
14;	5040.3;	19-AUG-2008	12:08:03;	Dark	; 56.0;	27;	24Gam Ori	; 1.64;	26000;occ;	112;	0;33830
15;	5157.4;	19-AUG-2008	12:10:01;	Dark	; 53.0;	30;	46Eps Ori	; 1.69;	30000;occ;	106;	0;33830
16;	5244.6;	19-AUG-2008	12:11:28;	Dark	; 47.5;	125;	44Iot Ori	; 2.77;	30000;occ;	95;	0;33830
17;	5347.7;	19-AUG-2008	12:13:11;	Dark	; 58.0;	7;	19Bet Ori	; 0.10;	14000;occ;	116;	0;33830
18;	5452.6;	19-AUG-2008	12:14:56;	Dark	; 47.0;	101;	11Alp Lep	; 2.58;	7000;occ;	94;	0;33830
19;	5625.6;	19-AUG-2008	12:17:49;	Dark	; 59.5;	0;		; 0.00;	0;occ;	119;	0;33830
20;	6308.4;	19-AUG-2008	12:29:12;	Dark	; 52.0;	157;	The1Eri	; 2.91;	9300;occ;	104;	0;33830
21;	6527.9;	19-AUG-2008	12:32:51;	Dark	; 46.5;	9;	Alp Eri	; 0.45;	24000;occ;	93;	0;33830
22;	6878.9;	19-AUG-2008	12:38:42;	Dark	; 52.5;	84;	Alp Phe	; 2.40;	4500;occ;	105;	0;33830
23;	7069.6;	19-AUG-2008	12:41:53;	Dark	; 39.0;	31;	Alp Gru	; 1.73;	15200;occ;	78;	0;33830
24;	7308.9;	19-AUG-2008	12:45:52;	Dark	; 54.0;	18;	24Alp PsA	; 1.17;	9700;occ;	108;	0;33830
25;	7633.8;	19-AUG-2008	12:51:17;	Bright;	41.0;	142;	49Del Cap	; 2.85;	8900;occ;	82;	0;33830
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2;	1799.4;	19-AUG-2008	12:54:38;	Bright;	40.0;	154;	22Bet Aqr	; 2.90;	5700;occ;	80;	0;33831
3;	1912.0;	19-AUG-2008	12:56:31;	Bright;	45.0;	162;	34Alp Aqr	; 2.94;	5350;occ;	90;	0;33831
4;	2099.4;	19-AUG-2008	12:59:38;	Bright;	42.5;	61;	8Eps Peg	; 2.10;	3900;occ;	85;	0;33831
5;	2494.1;	19-AUG-2008	13:06:13;	Bright;	38.5;	92;	53Eps Cyg	; 2.50;	4500;occ;	77;	0;33831
6;	2593.8;	19-AUG-2008	13:07:53;	Bright;	37.5;	66;	37Gam Cyg	; 2.21;	5900;occ;	75;	0;33831
7;	2686.5;	19-AUG-2008	13:09:26;	Bright;	35.0;	19;	50Alp Cyg	; 1.25;	10500;occ;	70;	0;33831
8;	3003.5;	19-AUG-2008	13:14:43;	Bright;	38.0;	89;	5Alp Cep	; 2.45;	8000;occ;	76;	0;33831
9;	3437.5;	19-AUG-2008	13:21:56;	Bright;	36.5;	49;	1Alp UMi	; 1.99;	6300;occ;	73;	0;33831
10;	4188.2;	19-AUG-2008	13:34:27;	Bright;	48.5;	6;	13Alp Aur	; 0.08;	3400;occ;	97;	0;33831
11;	4371.0;	19-AUG-2008	13:37:30;	Bright;	40.5;	107;	37The Aur	; 2.65;	11000;occ;	81;	0;33831
12;	4564.0;	19-AUG-2008	13:40:43;	Dark	; 55.5;	28;	12Bet Tau	; 1.65;	15200;occ;	111;	0;33831
13;	4735.5;	19-AUG-2008	13:43:35;	Dark	; 44.0;	44;	24Gam Gem	; 1.93;	11000;occ;	88;	0;33831
14;	4956.7;	19-AUG-2008	13:47:16;	Dark	; 58.5;	14;	58Alp Ori	; 0.87;	3000;occ;	117;	0;33831
15;	5041.1;	19-AUG-2008	13:48:40;	Dark	; 57.5;	27;	24Gam Ori	; 1.64;	26000;occ;	115;	0;33831
16;	5158.2;	19-AUG-2008	13:50:37;	Dark	; 52.5;	30;	46Eps Ori	; 1.69;	30000;occ;	105;	0;33831
17;	5245.4;	19-AUG-2008	13:52:04;	Dark	; 48.0;	125;	44Iot Ori	; 2.77;	30000;occ;	96;	0;33831
18;	5348.6;	19-AUG-2008	13:53:48;	Dark	; 59.5;	7;	19Bet Ori	; 0.10;	14000;occ;	119;	0;33831
19;	5453.4;	19-AUG-2008	13:55:32;	Dark	; 48.0;	101;	11Alp Lep	; 2.58;	7000;occ;	96;	0;33831
20;	5626.5;	19-AUG-2008	13:58:25;	Dark	; 59.0;	0;		; 0.00;	0;occ;	118;	0;33831
21;	6309.7;	19-AUG-2008	14:09:49;	Dark	; 53.5;	157;	The1Eri	; 2.91;	9300;occ;	107;	0;33831
22;	6528.6;	19-AUG-2008	14:13:28;	Dark	; 45.0;	9;	Alp Eri	; 0.45;	24000;occ;	90;	0;33831
23;	6879.7;	19-AUG-2008	14:19:19;	Dark	; 54.0;	84;	Alp Phe	; 2.40;	4500;occ;	108;	0;33831
24;	7070.0;	19-AUG-2008	14:22:29;	Dark	; 39.5;	31;	Alp Gru	; 1.73;	15200;occ;	79;	0;33831
25;	7309.3;	19-AUG-2008	14:26:28;	Dark	; 52.5;	18;	24Alp PsA	; 1.17;	9700;occ;	105;	0;33831
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2;	1799.5;	19-AUG-2008	14:35:14;	Bright;	40.5;	154;	22Bet Aqr	; 2.90;	5700;occ;	81;	0;33832
3;	1911.9;	19-AUG-2008	14:37:07;	Bright;	45.5;	162;	34Alp Aqr	; 2.94;	5350;occ;	91;	0;33832
4;	2099.3;	19-AUG-2008	14:40:14;	Bright;	42.5;	61;	8Eps Peg	; 2.10;	3900;occ;	85;	0;33832
5;	2494.0;	19-AUG-2008	14:46:49;	Bright;	37.5;	92;	53Eps Cyg	; 2.50;	4500;occ;	75;	0;33832
6;	2593.8;	19-AUG-2008	14:48:29;	Bright;	35.5;	66;	37Gam Cyg	; 2.21;	5900;occ;	71;	0;33832
7;	2686.4;	19-AUG-2008	14:50:01;	Bright;	37.5;	19;	50Alp Cyg	; 1.25;	10500;occ;	75;	0;33832
8;	3003.4;	19-AUG-2008	14:55:18;	Bright;	37.0;	89;	5Alp Cep	; 2.45;	8000;occ;	74;	0;33832
9;	3437.5;	19-AUG-2008	15:02:32;	Bright;	34.0;	49;	1Alp UMi	; 1.99;	6300;occ;	68;	0;33832
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3; 2983.9; 23-AUG-2008 11:07:55; Bright; 59.5; 0; ; 0.00; 0;occ; 119; 0;33887
4; 3097.7; 23-AUG-2008 11:09:48; Bright; 59.5; 0; ; 0.00; 0;occ; 119; 0;33887
5; 3350.3; 23-AUG-2008 11:14:01; Bright; 59.5; 0; ; 0.00; 0;occ; 119; 0;33887
6; 3543.0; 23-AUG-2008 11:17:14; Bright; 59.5; 0; ; 0.00; 0;occ; 119; 0;33887
7; 4166.5; 23-AUG-2008 11:27:37; Bright; 59.5; 0; ; 0.00; 0;occ; 119; 0;33887
8; 4517.8; 23-AUG-2008 11:33:28; Bright; 59.0; 0; ; 0.00; 0;occ; 118; 0;33887
9; 6510.5; 23-AUG-2008 12:06:41; Dark ; 101.5; 9; Alp Eri ; 0.45; 24000;occ; 203; 0;33887
10; 6820.4; 23-AUG-2008 12:11:51; Dark ; 89.0; 148; Alp Tuc ; 2.88; 4100;occ; 178; 0;33887
11; 7035.4; 23-AUG-2008 12:15:26; Dark ; 92.5; 31; Alp Gru ; 1.73; 15200;occ; 185; 0;33887
12; 7268.2; 23-AUG-2008 12:19:19; Dark ; 112.5; 18; 24Alp PsA ; 1.17; 9700;occ; 225; 0;33887
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2; 1844.0; 23-AUG-2008 12:29:30; Bright; 94.0; 162; 34Alp Aqr ; 2.94; 5350;occ; 188; 0;33888

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4; 2437.9; 23-AUG-2008 12:39:24; Bright; 87.5; 92; 53Eps Cyg ; 2.50; 4500;occ; 175; 0;33888
5; 2634.1; 23-AUG-2008 12:42:41; Bright; 84.0; 144; 18Del Cyg ; 2.86; 11000;occ; 168; 0;33888
6; 2940.4; 23-AUG-2008 12:47:47; Bright; 89.0; 89; 5Alp Cep ; 2.45; 8000;occ; 178; 0;33888
7; 3384.7; 23-AUG-2008 12:55:11; Bright; 88.0; 49; 1Alp UMi ; 1.99; 6300;occ; 176; 0;33888
8; 4158.7; 23-AUG-2008 13:08:05; Bright; 99.5; 42; 34Bet Aur ; 1.90; 10200;occ; 199; 0;33888
9; 4313.6; 23-AUG-2008 13:10:40; Bright; 35.0; 107; 37The Aur ; 2.65; 11000;occ; 70; 0;33888
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13; 5259.1; 23-AUG-2008 13:26:26; Dark ; 96.5; 1; 9Alp CMa ; -1.44; 11000;occ; 193; 0;33888
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17; 6820.7; 23-AUG-2008 13:52:27; Dark ; 90.0; 148; Alp Tuc ; 2.88; 4100;occ; 180; 0;33888
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3; 2030.7; 23-AUG-2008 14:13:13; Bright; 98.5; 61; 8Eps Peg ; 2.10; 3900;occ; 197; 0;33889
4; 2437.9; 23-AUG-2008 14:20:00; Bright; 85.5; 92; 53Eps Cyg ; 2.50; 4500;occ; 171; 0;33889
5; 2634.4; 23-AUG-2008 14:23:17; Bright; 84.0; 144; 18Del Cyg ; 2.86; 11000;occ; 168; 0;33889
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8; 4158.7; 23-AUG-2008 14:48:41; Bright; 101.0; 42; 34Bet Aur ; 1.90; 10200;occ; 202; 0;33889
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13; 5259.7; 23-AUG-2008 15:07:02; Dark ; 99.5; 1; 9Alp CMa ; -1.44; 11000;occ; 199; 0;33889
14; 5437.4; 23-AUG-2008 15:10:00; Dark ; 94.0; 23; 21Eps CMa ; 1.50; 26000;occ; 188; 0;33889
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16; 6567.1; 23-AUG-2008 15:28:49; Dark ; 44.5; 9; Alp Eri ; 0.45; 24000;occ; 89; 0;33889
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4; 1903.4; 23-AUG-2008 15:51:42; Bright; 43.0; 162; 34Alp Aqr ; 2.94; 5350;occ; 86; 0;33890
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6; 2488.3; 23-AUG-2008 16:01:27; Bright; 34.5; 92; 53Eps Cyg ; 2.50; 4500;occ; 69; 0;33890
7; 2592.7; 23-AUG-2008 16:03:11; Bright; 36.0; 66; 37Gam Cyg ; 2.21; 5900;occ; 72; 0;33890
8; 2680.2; 23-AUG-2008 16:04:38; Bright; 37.0; 19; 50Alp Cyg ; 1.25; 10500;occ; 74; 0;33890
9; 2991.7; 23-AUG-2008 16:09:50; Bright; 37.5; 89; 5Alp Cep ; 2.45; 8000;occ; 75; 0;33890
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11; 4218.0; 23-AUG-2008 16:30:16; Bright; 42.5; 42; 34Bet Aur ; 1.90; 10200;occ; 85; 0;33890
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14; 4752.6; 23-AUG-2008 16:39:11; Dark ; 44.5; 44; 24Gam Gem ; 1.93; 11000;occ; 89; 0;33890
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19; 5569.4; 23-AUG-2008 16:52:48; Dark ; 40.0; 177; 1Zet CMa ; 3.02; 26000;occ; 80; 0;33890
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22; 6567.9; 23-AUG-2008 17:09:26; Dark ; 44.5; 9; Alp Eri ; 0.45; 24000;occ; 89; 0;33890
23; 6872.0; 23-AUG-2008 17:14:30; Dark ; 44.5; 148; Alp Tuc ; 2.88; 4100;occ; 89; 0;33890
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3; 1605.0; 23-AUG-2008 17:27:19; Dark ; 46.0; 142; 49Del Cap ; 2.85; 8900;occ; 92; 0;33891
4; 1800.6; 23-AUG-2008 17:30:35; Bright; 40.0; 154; 22Bet Aqr ; 2.90; 5700;occ; 80; 0;33891
5; 1903.4; 23-AUG-2008 17:32:18; Bright; 43.0; 162; 34Alp Aqr ; 2.94; 5350;occ; 86; 0;33891
6; 2087.4; 23-AUG-2008 17:35:22; Bright; 41.5; 61; 8Eps Peg ; 2.10; 3900;occ; 83; 0;33891

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19; 5489.4; 23-AUG-2008 18:32:04; Dark ; 41.0; 23; 21Eps CMa ; 1.50; 26000;occ; 82; 0;33891
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21; 5679.1; 23-AUG-2008 18:35:13; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;33891
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4; 1800.6; 23-AUG-2008 19:11:11; Bright; 40.0; 154; 22Bet Aqr ; 2.90; 5700;occ; 80; 0;33892
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9; 2679.9; 23-AUG-2008 19:25:50; Bright; 35.5; 19; 50Alp Cyg ; 1.25; 10500;occ; 71; 0;33892
10; 2991.2; 23-AUG-2008 19:31:01; Bright; 37.0; 89; 5Alp Cep ; 2.45; 8000;occ; 74; 0;33892
11; 3436.4; 23-AUG-2008 19:38:27; Bright; 36.5; 49; 1Alp UMi ; 1.99; 6300;occ; 73; 0;33892
12; 4217.8; 23-AUG-2008 19:51:28; Bright; 42.0; 42; 34Bet Aur ; 1.90; 10200;occ; 84; 0;33892
13; 4436.2; 23-AUG-2008 19:55:06; Bright; 35.0; 24; 66Alp Gem ; 1.58; 10200;occ; 70; 0;33892
14; 4653.8; 23-AUG-2008 19:58:44; Dark ; 54.0; 151; 13Mu Gem ; 2.89; 3000;occ; 108; 0;33892
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6; -135.7; 24-AUG-2008 01:21:18; Dark ; 53.0; 2; Alp Car ; -0.74; 7000;occ; 106; 0;33895
7; 535.1; 24-AUG-2008 01:32:29; Dark ; 42.5; 9; Alp Eri ; 0.45; 24000;occ; 85; 0;33896
8; 837.3; 24-AUG-2008 01:37:31; Dark ; 41.0; 148; Alp Tuc ; 2.88; 4100;occ; 82; 0;33896
9; 1054.4; 24-AUG-2008 01:41:08; Dark ; 42.5; 31; Alp Gru ; 1.73; 15200;occ; 85; 0;33896
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11; 1605.6; 24-AUG-2008 01:50:19; Dark ; 43.0; 142; 49Del Cap ; 2.85; 8900;occ; 86; 0;33896
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4; -1281.5; 24-AUG-2008 02:42:48; Dark ; 42.5; 44; 24Gam Gem ; 1.93; 11000;occ; 85; 0;33896

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22; 4772.6; 28-AUG-2008 00:36:38; Dark ; 45.5; 44; 24Gam Gem ; 1.93; 11000;occ; 91; 0;33952
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21; 6614.0; 28-AUG-2008 17:53:18; Dark ; 50.5; 9; Alp Eri ; 0.45; 24000;occ; 101; 0;33962
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3; 1317.6; 28-AUG-2008 19:46:14; Dark ; 49.0; 18; 24Alp PsA ; 1.17; 9700;occ; 98; 0;33964

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13; 4446.6; 28-AUG-2008 20:38:23; Bright; 37.5; 24; 66Alp Gem ; 1.58; 10200;occ; 75; 0;33964
14; 4602.3; 28-AUG-2008 20:40:59; Dark ; 47.5; 170; 27Eps Gem ; 3.00; 9700;occ; 95; 0;33964
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9; 937.0; 28-AUG-2008 21:20:29; Dark ; 50.5; 84; Alp Phe ; 2.40; 4500;occ; 101; 0;33965
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16; 2486.2; 28-AUG-2008 21:46:19; Bright; 34.0; 92; 53Eps Cyg ; 2.50; 4500;occ; 68; 0;33965
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22; 4602.6; 28-AUG-2008 22:21:35; Dark ; 48.5; 170; 27Eps Gem ; 3.00; 9700;occ; 97; 0;33965
23; 4777.1; 28-AUG-2008 22:24:29; Dark ; 46.0; 44; 24Gam Gem ; 1.93; 11000;occ; 92; 0;33965
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9; 2595.8; 28-AUG-2008 18:26:56; Bright; 35.5; 66; 37Gam Cyg ; 2.21; 5900;occ; 71; 0;33963
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13; 4446.5; 28-AUG-2008 18:57:47; Bright; 37.0; 24; 66Alp Gem ; 1.58; 10200;occ; 74; 0;33963
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