

GOMOS Daily Report 10-MAY-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	13MAY2008 09:11:21
Data source version	GOMOS/5.00
Start time of products	10-05-2008 (10MAY2008 00:00:00)
Stop time of products	11-05-2008 (11MAY2008 00:00:00)
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)

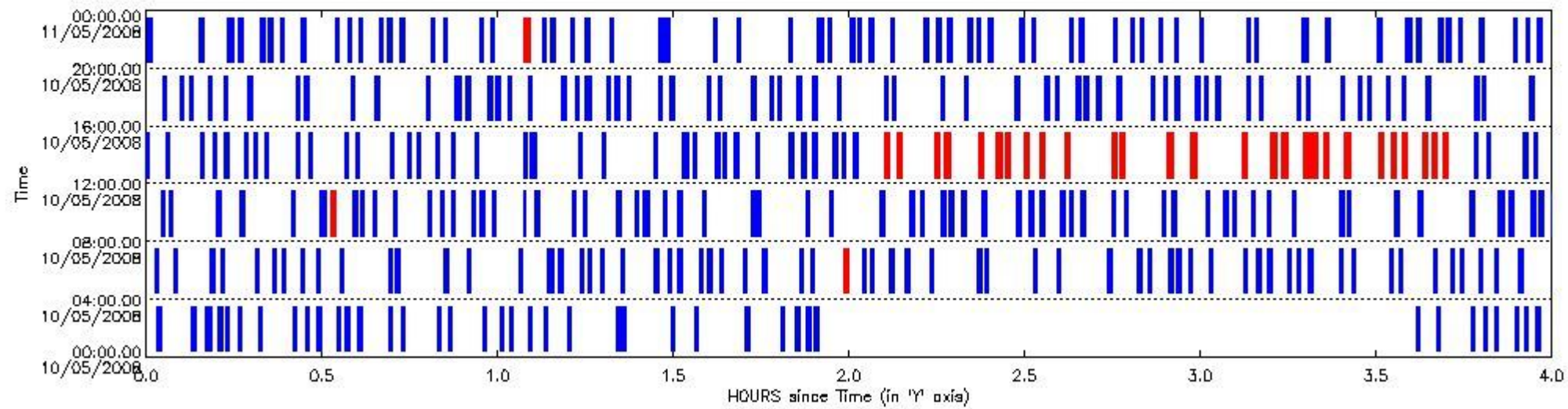
2.1 Level 0 products arrived in PCF (see template [here](#))

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
10-MAY-2008 05:59:09	12Alp2CVn	152	32381
10-MAY-2008 08:31:33	AlpPhe	84	32382
10-MAY-2008 14:06:07	9Alp2Lib	122	32386
10-MAY-2008 14:08:13	67AlpVir	15	32386
10-MAY-2008 14:14:34	47EpsVir	138	32386
10-MAY-2008 14:16:22	8EtaBoo	111	32386
10-MAY-2008 14:22:09	12Alp2CVn	152	32386
10-MAY-2008 14:25:09	85EtaUMa	39	32386
10-MAY-2008 14:26:41	79ZetUMa	55	32386
10-MAY-2008 14:29:56	50AlpUMa	36	32386
10-MAY-2008 14:32:34	7BetUMi	60	32386
10-MAY-2008 14:36:46	1AlpUMi	49	32386
10-MAY-2008 14:44:56	27GamCas	76	32386
10-MAY-2008 14:46:11	18AlpCas	68	32386
10-MAY-2008 14:54:23	21AlpAnd	58	32386

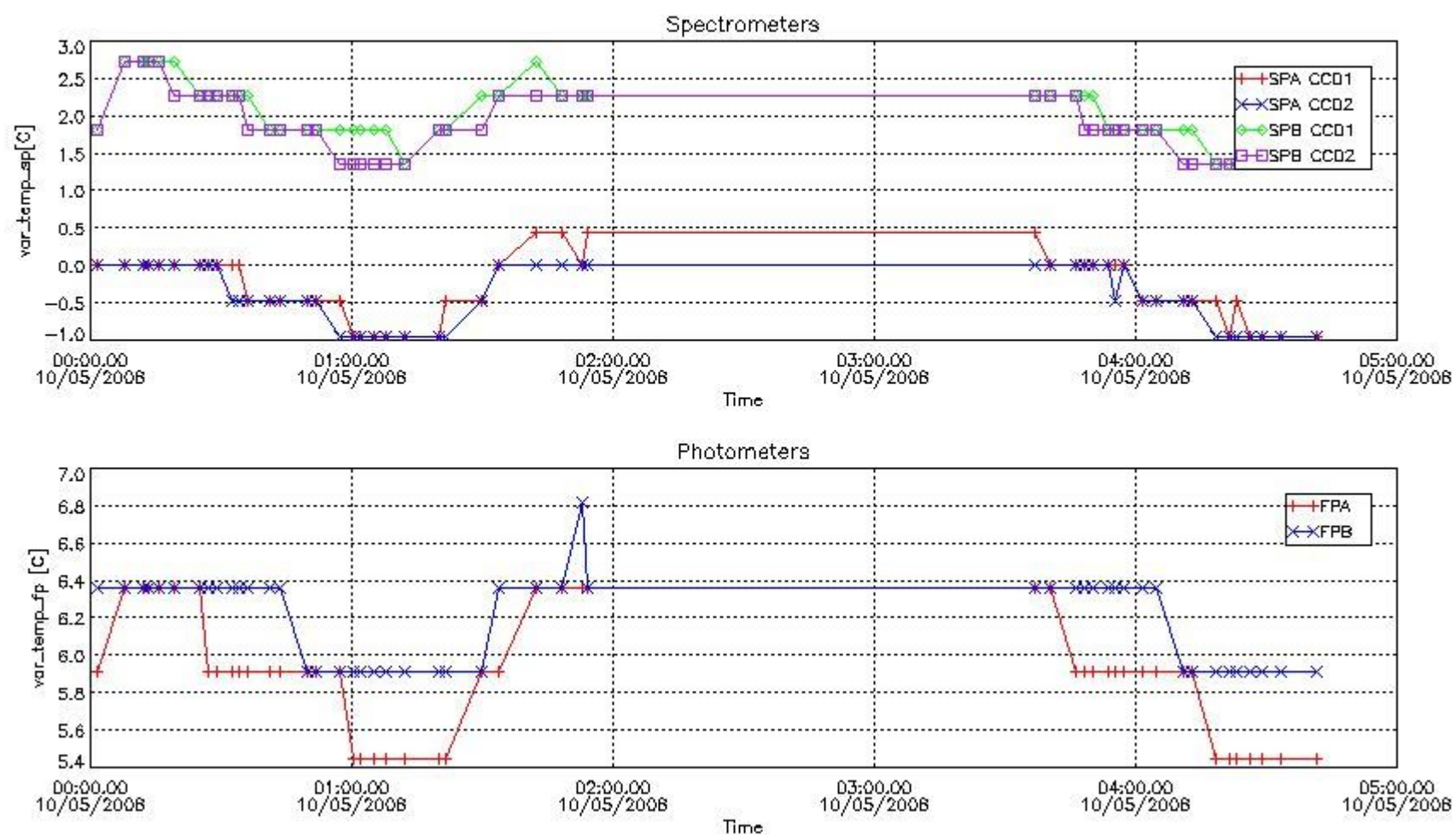
10-MAY-2008 14:58:25	88GamPeg	140	32386
10-MAY-2008 15:07:09	16BetCet	52	32386
10-MAY-2008 15:12:05	DSA1067	0	32386
10-MAY-2008 15:13:58	AlpPhe	84	32386
10-MAY-2008 15:17:38	BetGru	63	32386
10-MAY-2008 15:18:58	AlpGru	31	32386
10-MAY-2008 15:21:03	AlpTuc	148	32387
10-MAY-2008 15:24:33	AlpPav	45	32387
10-MAY-2008 15:30:22	AlpTrA	43	32387
10-MAY-2008 15:32:34	BetTrA	134	32387
10-MAY-2008 15:34:23	Alp1Cen	4	32387
10-MAY-2008 15:37:55	AlpLup	78	32387
10-MAY-2008 15:39:26	EtaCen	81	32387
10-MAY-2008 15:41:24	5TheCen	54	32387
10-MAY-2008 21:04:33	12Alp2CVn	152	32390

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_1PNPDE20080510_000145_000000432068_00259_32377_5102.N1	10-MAY-2008 00:01:45	Dark	43.000	52	16Bet Cet	2.0370	4500.0	86	32377	No
2	GOM_TRA_1PNPDE20080510_000739_000000482068_00259_32377_5103.N1	10-MAY-2008 00:07:39	Dark	47.500	18	24Alp PsA	1.1660	9700.0	95	32377	No
3	GOM_TRA_1PNPDE20080510_001211_000000542068_00259_32377_5104.N1	10-MAY-2008 00:12:11	Dark	53.500	63	Bet Gru	2.1500	2800.0	107	32377	No
4	GOM_TRA_1PNPDE20080510_001330_000000432068_00259_32377_5105.N1	10-MAY-2008 00:13:30	Dark	42.500	31	Alp Gru	1.7340	15200.	85	32377	No
5	GOM_TRA_1PNPDE20080510_001537_000000392068_00260_32378_5106.N1	10-MAY-2008 00:15:37	Dark	38.500	148	Alp Tuc	2.8780	4100.0	77	32378	No
6	GOM_TRA_1PNPDE20080510_001905_000000412068_00260_32378_5107.N1	10-MAY-2008 00:19:05	Dark	40.500	45	Alp Pav	1.9400	26000.	81	32378	No
7	GOM_TRA_1PNPDE20080510_002457_000000472068_00260_32378_5108.N1	10-MAY-2008 00:24:57	Straylight	46.500	43	Alp TrA	1.9100	4250.0	93	32378	No
8	GOM_TRA_1PNPDE20080510_002709_000000372068_00260_32378_5109.N1	10-MAY-2008 00:27:09	Straylight	37.000	134	Bet TrA	2.8100	6600.0	74	32378	No
9	GOM_TRA_1PNPDE20080510_002859_000000502068_00260_32378_5110.N1	10-MAY-2008 00:28:59	Straylight	50.000	4	Alp1Cen	-0.010000	5800.0	100	32378	No
10	GOM_TRA_1PNPDE20080510_003231_000000392068_00260_32378_5111.N1	10-MAY-2008 00:32:31	Straylight	38.500	78	Alp Lup	2.3040	28000.	77	32378	No
11	GOM_TRA_1PNPDE20080510_003402_000000402068_00260_32378_5112.N1	10-MAY-2008 00:34:02	Straylight	40.000	81	Eta Cen	2.3560	28000.	80	32378	No
12	GOM_TRA_1PNPDE20080510_003600_000000452068_00260_32378_5113.N1	10-MAY-2008 00:36:00	Twilight	44.500	54	5The Cen	2.0550	4500.0	89	32378	No
13	GOM_TRA_1PNPDE20080510_004121_000000392068_00260_32378_5114.N1	10-MAY-2008 00:41:21	Bright	39.000	122	9Alp2Lib	2.7470	9700.0	78	32378	No
14	GOM_TRA_1PNPDE20080510_004326_000000382068_00260_32378_5115.N1	10-MAY-2008 00:43:26	Bright	38.000	15	67Alp Vir	0.97600	28000.	76	32378	No
15	GOM_TRA_1PNPDE20080510_004947_000000352068_00260_32378_5116.N1	10-MAY-2008 00:49:47	Bright	34.500	138	47Eps Vir	2.8280	4700.0	69	32378	No
16	GOM_TRA_1PNPDE20080510_005136_000000352068_00260_32378_5117.N1	10-MAY-2008 00:51:36	Bright	35.000	111	8Eta Boo	2.6800	6000.0	70	32378	No
17	GOM_TRA_1PNPDE20080510_005722_000000342068_00260_32378_5118.N1	10-MAY-2008 00:57:22	Bright	33.500	152	12Alp2CVn	2.8900	11000.	67	32378	No
18	GOM_TRA_1PNPDE20080510_010024_000000362068_00260_32378_5119.N1	10-MAY-2008 01:00:24	Bright	36.000	39	85Eta UMa	1.8540	24000.	72	32378	No
19	GOM_TRA_1PNPDE20080510_010155_000000332068_00260_32378_5120.N1	10-MAY-2008 01:01:55	Bright	33.000	55	79Zet UMa	2.0600	10200.	66	32378	No
20	GOM_TRA_1PNPDE20080510_010508_000000352068_00260_32378_5121.N1	10-MAY-2008 01:05:08	Bright	34.500	36	50Alp UMa	1.8000	6300.0	69	32378	No
21	GOM_TRA_1PNPDE20080510_010749_000000352068_00260_32378_5122.N1	10-MAY-2008 01:07:49	Bright	35.000	60	7Bet UMi	2.0810	3950.0	70	32378	No
22	GOM_TRA_1PNPDE20080510_011201_000000362068_00260_32378_5123.N1	10-MAY-2008 01:12:01	Bright	36.000	49	1Alp UMi	1.9900	6300.0	72	32378	No
23	GOM_TRA_1PNPDE20080510_012010_000000522068_00260_32378_5124.N1	10-MAY-2008 01:20:10	Bright	52.000	76	27Gam Cas	2.3000	30000.	104	32378	No
24	GOM_TRA_1PNPDE20080510_012125_000000332068_00260_32378_5125.N1	10-MAY-2008 01:21:25	Bright	33.000	68	18Alp Cas	2.2250	4500.0	66	32378	No
25	GOM_TRA_1PNPDE20080510_012936_000000382068_00260_32378_5126.N1	10-MAY-2008 01:29:36	Bright	37.500	58	21Alp And	2.0730	11000.	75	32378	No
26	GOM_TRA_1PNPDE20080510_013337_000000392068_00260_32378_5127.N1	10-MAY-2008 01:33:37	Twilight	38.500	140	88Gam Peg	2.8340	26000.	77	32378	No
27	GOM_TRA_1PNPDE20080510_014221_000000422068_00260_32378_5252.N1	10-MAY-2008 01:42:21	Dark	41.500	52	16Bet Cet	2.0370	4500.0	83	32378	No
28	GOM_TRA_1PNPDE20080510_014815_000000462068_00260_32378_5253.N1	10-MAY-2008 01:48:15	Dark	46.000	18	24Alp PsA	1.1660	9700.0	92	32378	No
29	GOM_TRA_1PNPDE20080510_015247_000000462068_00260_32378_5254.N1	10-MAY-2008 01:52:47	Dark	45.500	63	Bet Gru	2.1500	2800.0	91	32378	No
30	GOM_TRA_1PNPDE20080510_015406_000000412068_00260_32378_5255.N1	10-MAY-2008 01:54:06	Dark	40.500	31	Alp Gru	1.7340	15200.	81	32378	No
31	GOM_TRA_1PNPDE20080510_033650_000000382068_00262_32380_5387.N1	10-MAY-2008 03:36:50	Dark	38.000	148	Alp Tuc	2.8780	4100.0	76	32380	No
32	GOM_TRA_1PNPDE20080510_034019_000000412068_00262_32380_5388.N1	10-MAY-2008 03:40:19	Dark	40.500	45	Alp Pav	1.9400	26000.	81	32380	No
33	GOM_TRA_1PNPDE20080510_034610_000000402068_00262_32380_5389.N1	10-MAY-2008 03:46:10	Straylight	40.000	43	Alp TrA	1.9100	4250.0	80	32380	No
34	GOM_TRA_1PNPDE20080510_034822_000000382068_00262_32380_5390.N1	10-MAY-2008 03:48:22	Straylight	37.500	134	Bet TrA	2.8100	6600.0	75	32380	No
35	GOM_TRA_1PNPDE20080510_035012_000000382068_00262_32380_5391.N1	10-MAY-2008 03:50:12	Straylight	37.500	4	Alp1Cen	-0.010000	5800.0	75	32380	No
36	GOM_TRA_1PNPDE20080510_035343_000000382068_00262_32380_5392.N1	10-MAY-2008 03:53:43	Straylight	38.000	78	Alp Lup	2.3040	28000.	76	32380	No
37	GOM_TRA_1PNPDE20080510_035514_000000392068_00262_32380_5393.N1	10-MAY-2008 03:55:14	Straylight	39.000	81	Eta Cen	2.3560	28000.	78	32380	No
38	GOM_TRA_1PNPDE20080510_035713_000000442068_00262_32380_5394.N1	10-MAY-2008 03:57:13	Twilight	43.500	54	5The Cen	2.0550	4500.0	87	32380	No
39	GOM_TRA_1PNPDE20080510_040123_000000382068_00262_32380_5395.N1	10-MAY-2008 04:01:23	Bright	37.500	169	46Gam Hya	2.9910	4700.0	75	32380	No

40	GOM_TRA_1PNPDE20080510_040438_000000382068_00262_32380_5396.N1	10-MAY-2008 04:04:38	Bright	38.000	15	67Alp Vir	0.97600	28000.	76	32380	No
41	GOM_TRA_1PNPDE20080510_041059_000000352068_00262_32380_5397.N1	10-MAY-2008 04:10:59	Bright	34.500	138	47Eps Vir	2.8280	4700.0	69	32380	No
42	GOM_TRA_1PNPDE20080510_041248_000000362068_00262_32380_5398.N1	10-MAY-2008 04:12:48	Bright	35.500	111	8Eta Boo	2.6800	6000.0	71	32380	No
43	GOM_TRA_1PNPDE20080510_041835_000000352068_00262_32380_5399.N1	10-MAY-2008 04:18:35	Bright	34.500	152	12Alp2CVn	2.8900	11000.	69	32380	No
44	GOM_TRA_1PNPDE20080510_042136_000000372068_00262_32380_5400.N1	10-MAY-2008 04:21:36	Bright	37.000	39	85Eta UMa	1.8540	24000.	74	32380	No
45	GOM_TRA_1PNPDE20080510_042307_000000342068_00262_32380_5401.N1	10-MAY-2008 04:23:07	Bright	34.000	55	79Zet UMa	2.0600	10200.	68	32380	No
46	GOM_TRA_1PNPDE20080510_042620_000000372068_00262_32380_5402.N1	10-MAY-2008 04:26:20	Bright	36.500	36	50Alp UMa	1.8000	6300.0	73	32380	No
47	GOM_TRA_1PNPDE20080510_042901_000000382068_00262_32380_5403.N1	10-MAY-2008 04:29:01	Bright	38.000	60	7Bet UMi	2.0810	3950.0	76	32380	No
48	GOM_TRA_1PNPDE20080510_043312_000000342068_00262_32380_5404.N1	10-MAY-2008 04:33:12	Bright	33.500	49	1Alp UMi	1.9900	6300.0	67	32380	No
49	GOM_TRA_1PNPDE20080510_044122_000000392068_00262_32380_5622.N1	10-MAY-2008 04:41:22	Bright	39.000	76	27Gam Cas	2.3000	30000.	78	32380	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).

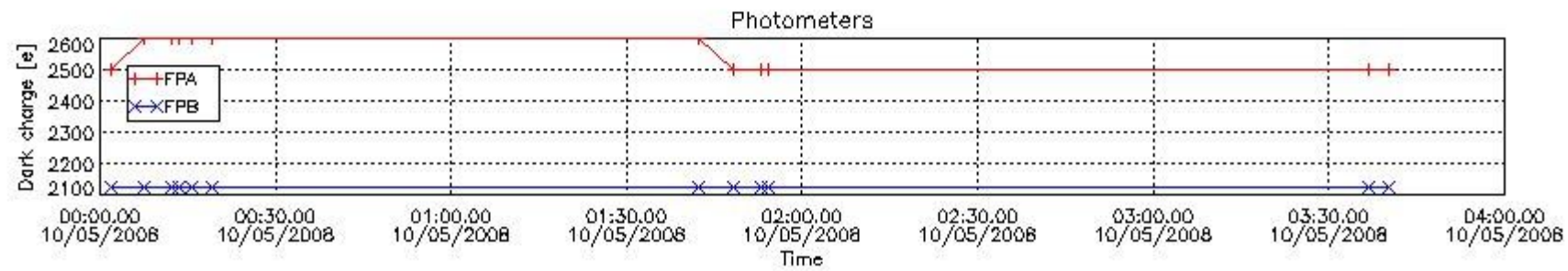
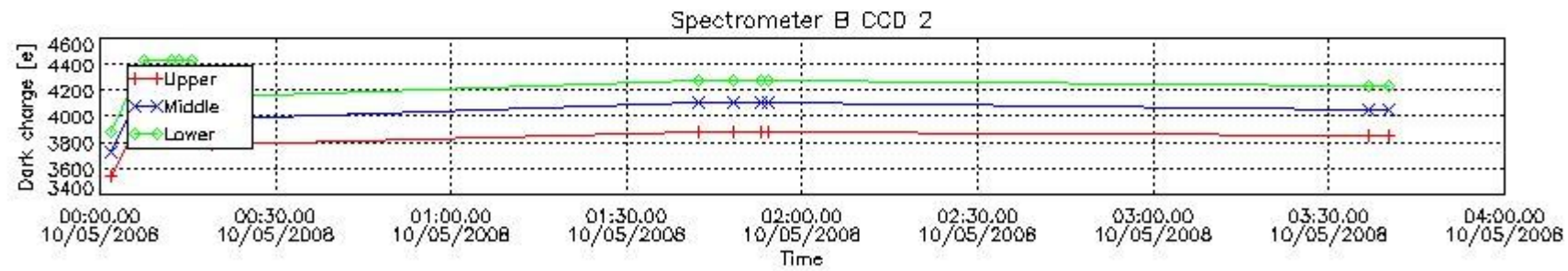
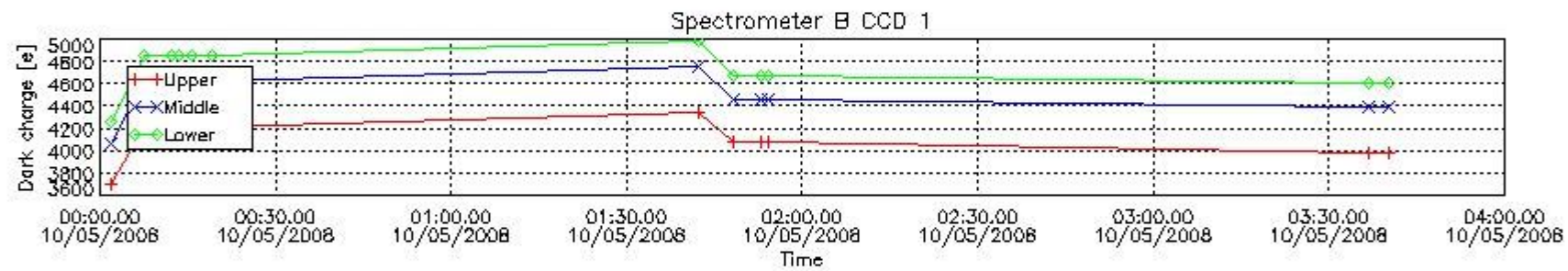
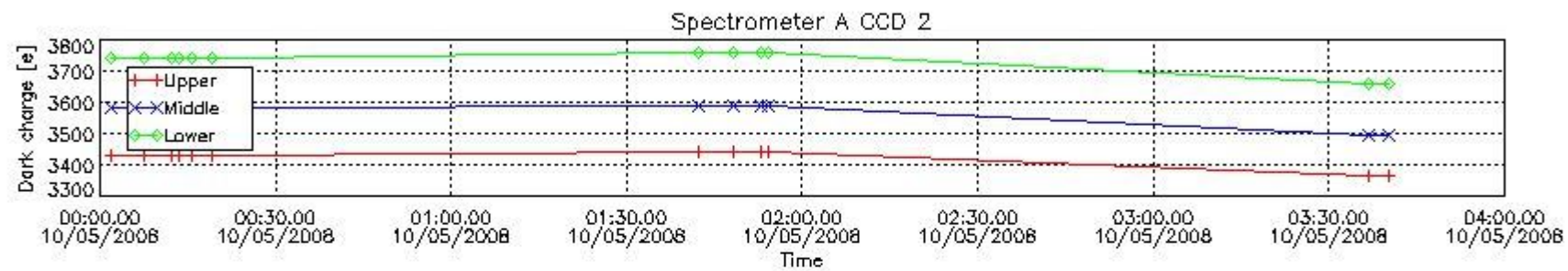
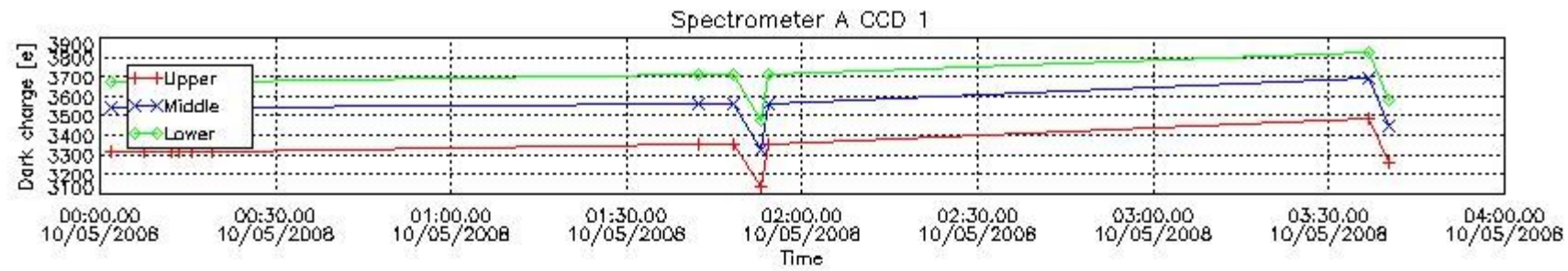
In this section a list of products that did not use the Dark Sky Area (DSA) observation for the DC computation is given. It is also provided the mean DC plot per product for dark limb products with no error flag set.

4.1 These products did not use the DSA observation for DC computation:

Product name	DC information
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GOM_TRA_1PNPDE20080510_033650_000000382068_00262_32380_5387.N1	DC map used
GOM_TRA_1PNPDE20080510_034019_000000412068_00262_32380_5388.N1	DC map used
GOM_TRA_1PNPDE20080510_034610_000000402068_00262_32380_5389.N1	DC map used
GOM_TRA_1PNPDE20080510_034822_000000382068_00262_32380_5390.N1	DC map used
GOM_TRA_1PNPDE20080510_035012_000000382068_00262_32380_5391.N1	DC map used
GOM_TRA_1PNPDE20080510_035343_000000382068_00262_32380_5392.N1	DC map used
GOM_TRA_1PNPDE20080510_035514_000000392068_00262_32380_5393.N1	DC map used
GOM_TRA_1PNPDE20080510_035713_000000442068_00262_32380_5394.N1	DC map used
GOM_TRA_1PNPDE20080510_040123_000000382068_00262_32380_5395.N1	DC map used
GOM_TRA_1PNPDE20080510_040438_000000382068_00262_32380_5396.N1	DC map used
GOM_TRA_1PNPDE20080510_041059_000000352068_00262_32380_5397.N1	DC map used
GOM_TRA_1PNPDE20080510_041248_000000362068_00262_32380_5398.N1	DC map used
GOM_TRA_1PNPDE20080510_041835_000000352068_00262_32380_5399.N1	DC map used
GOM_TRA_1PNPDE20080510_042136_000000372068_00262_32380_5400.N1	DC map used
GOM_TRA_1PNPDE20080510_042307_000000342068_00262_32380_5401.N1	DC map used
GOM_TRA_1PNPDE20080510_042620_000000372068_00262_32380_5402.N1	DC map used
GOM_TRA_1PNPDE20080510_042901_000000382068_00262_32380_5403.N1	DC map used
GOM_TRA_1PNPDE20080510_043312_000000342068_00262_32380_5404.N1	DC map used

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



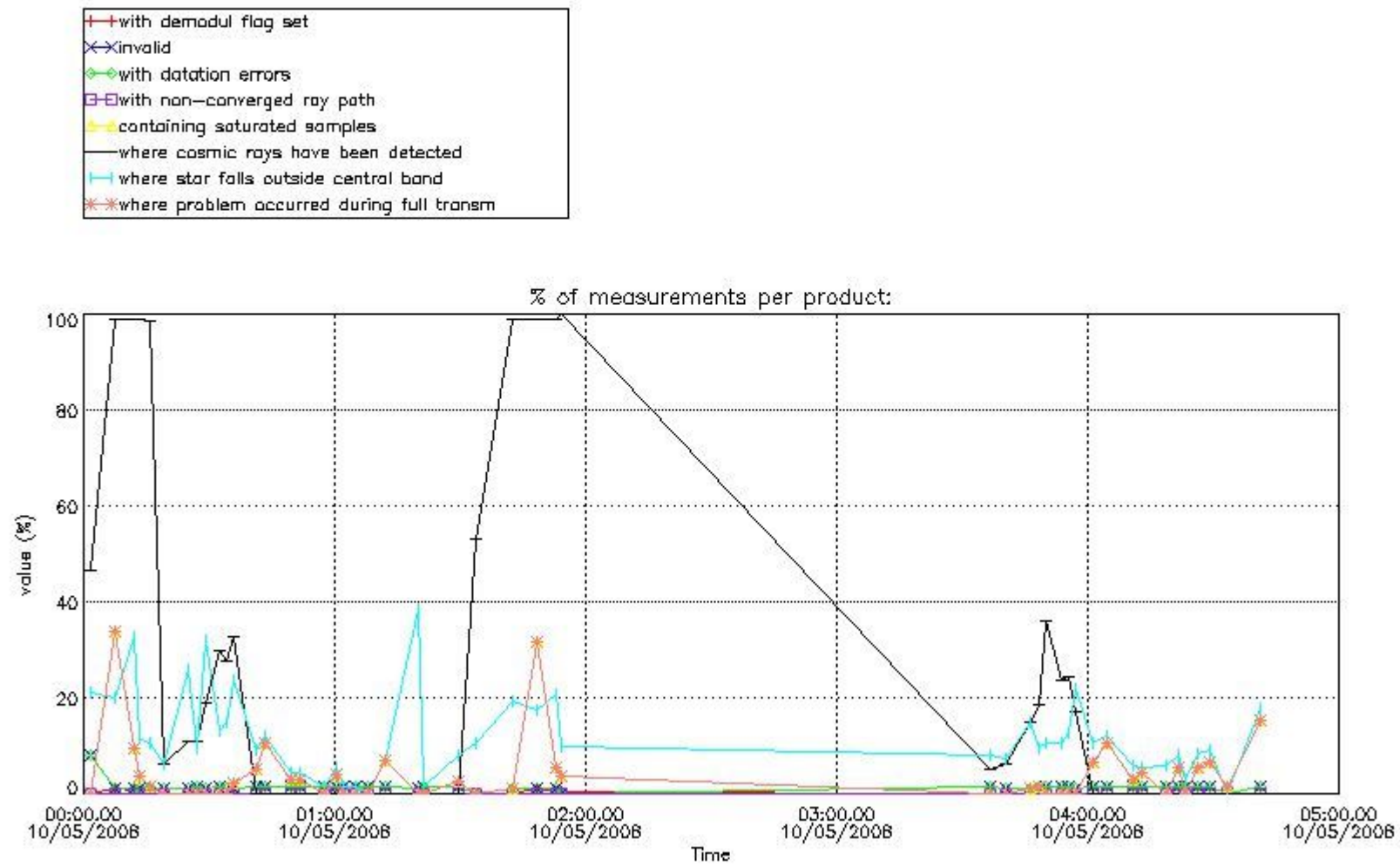
5. Demodulation flag and quality information monitoring

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.

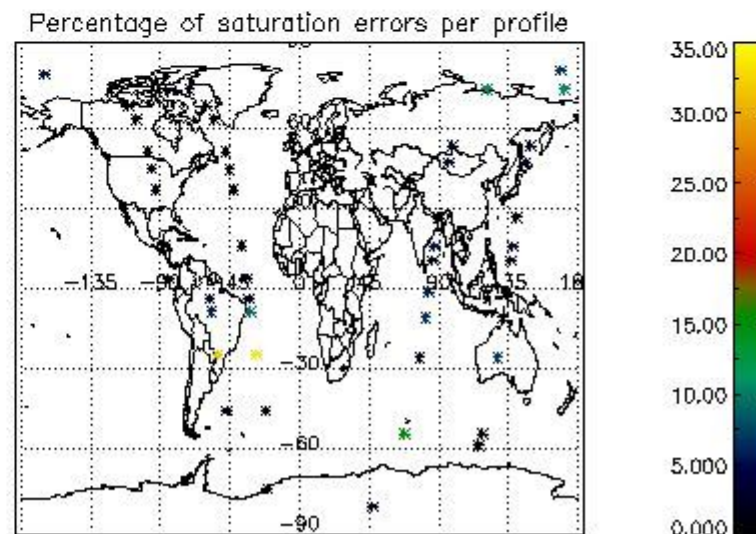
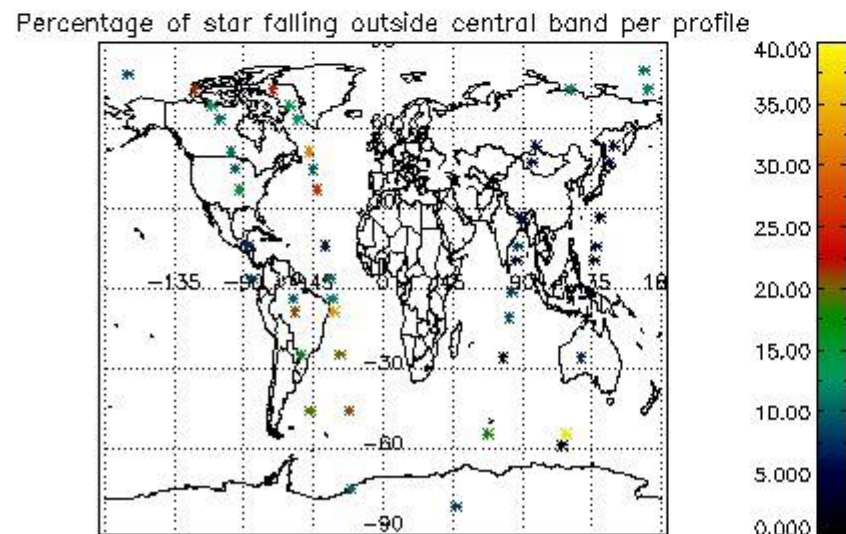
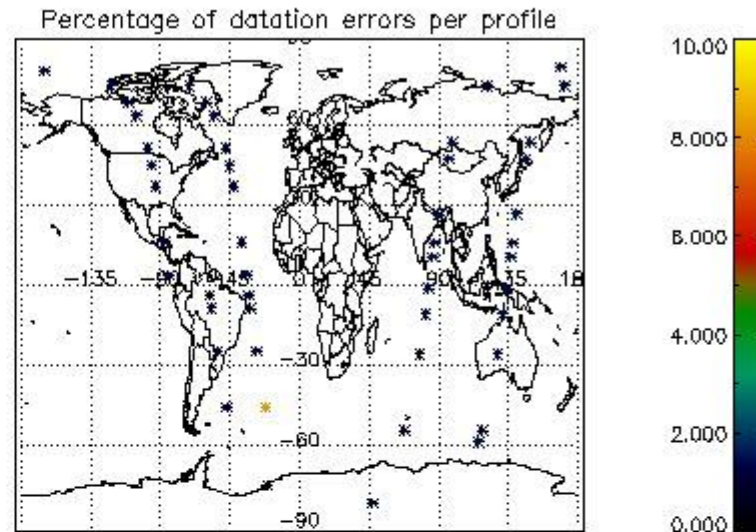
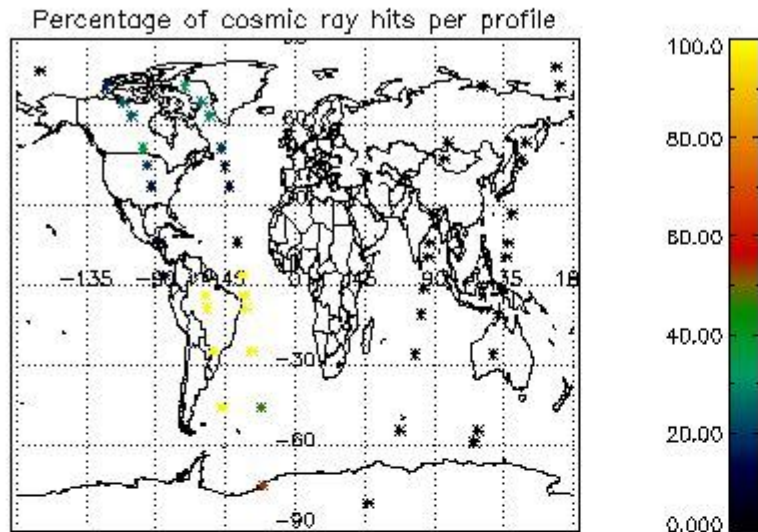
5.1 Percentage of products during reporting period with:

At least one measurement with demodulation flag set:	26.5306 %
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)



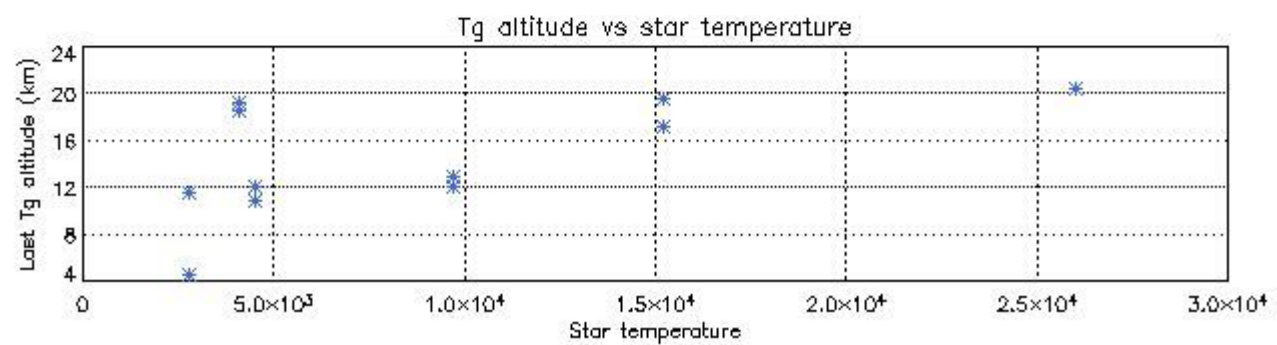
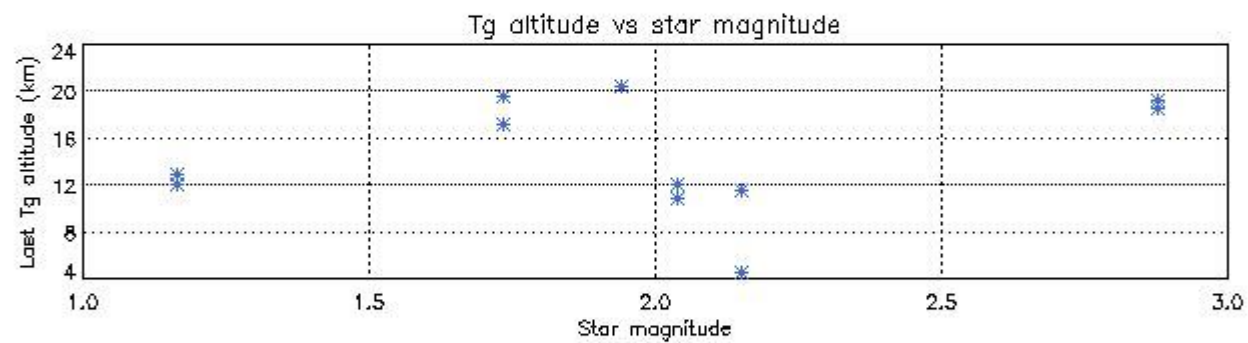
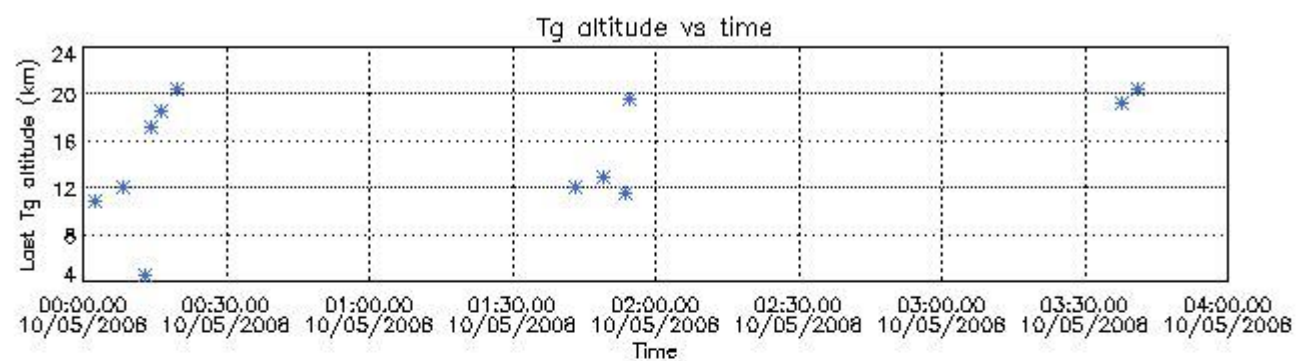
6. Statistics and plot of tangent altitude of the last measurement (DARK & BRIGHT products without errors)

6.1 Statistics on tangent altitude lost:

Statistics	DARK	BRIGHT	TWILIGHT
Mean:	14.920	20.990	17.784
St. deviation:	4.9864	4.8797	0.0000
Maximum:	20.400	28.027	17.784
Minimum:	4.5796	3.9902	17.784
Number of data:	12.000	24.000	1.0000

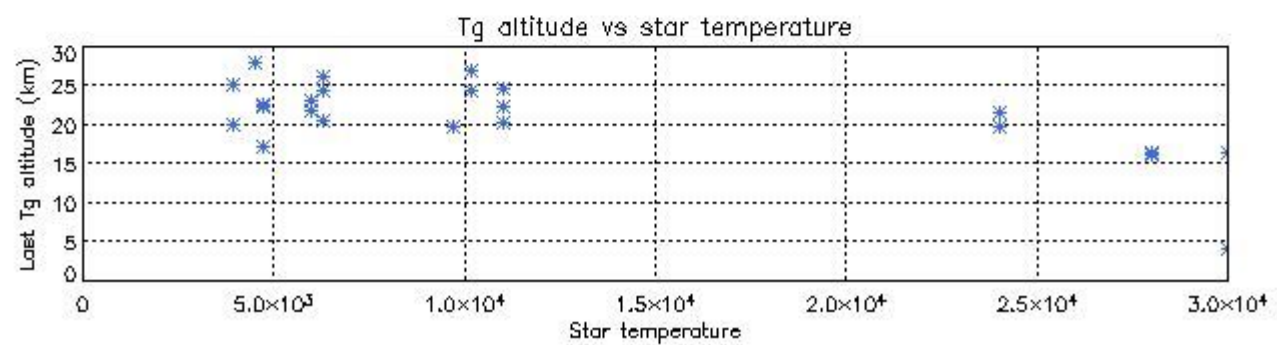
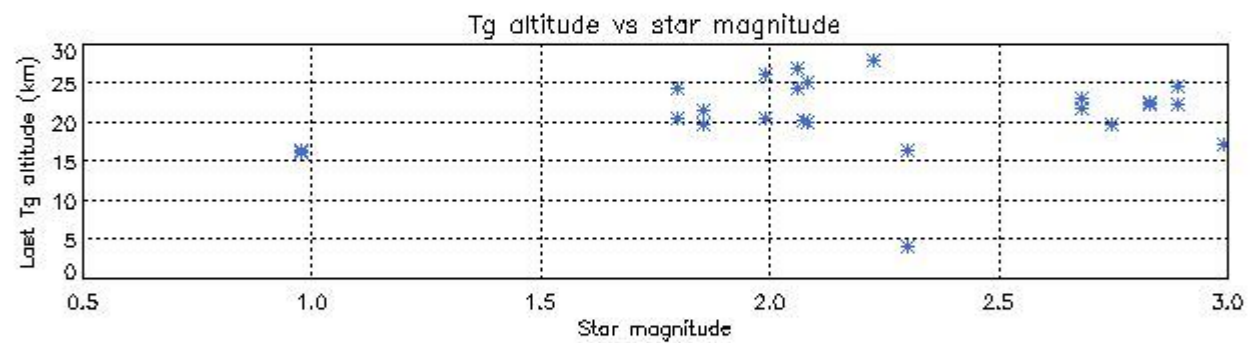
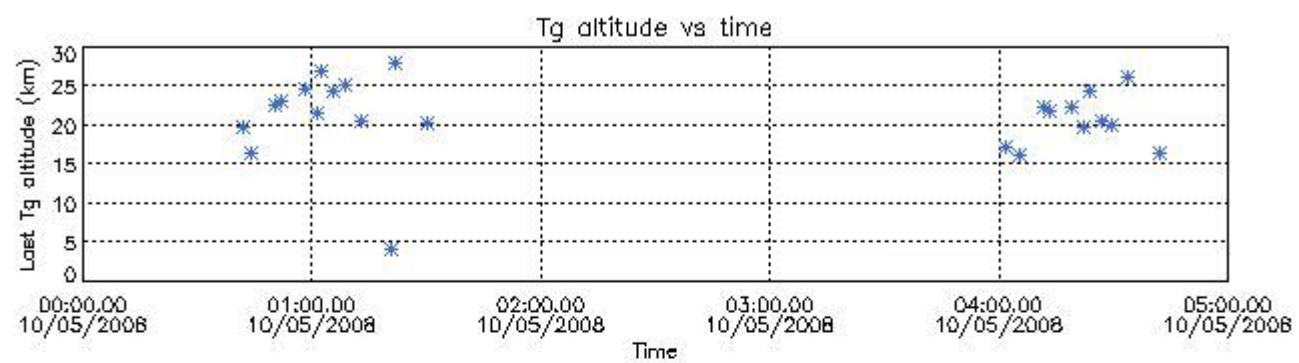
6.2 Plot for DARK limb products

Tangent altitude at which the star is lost



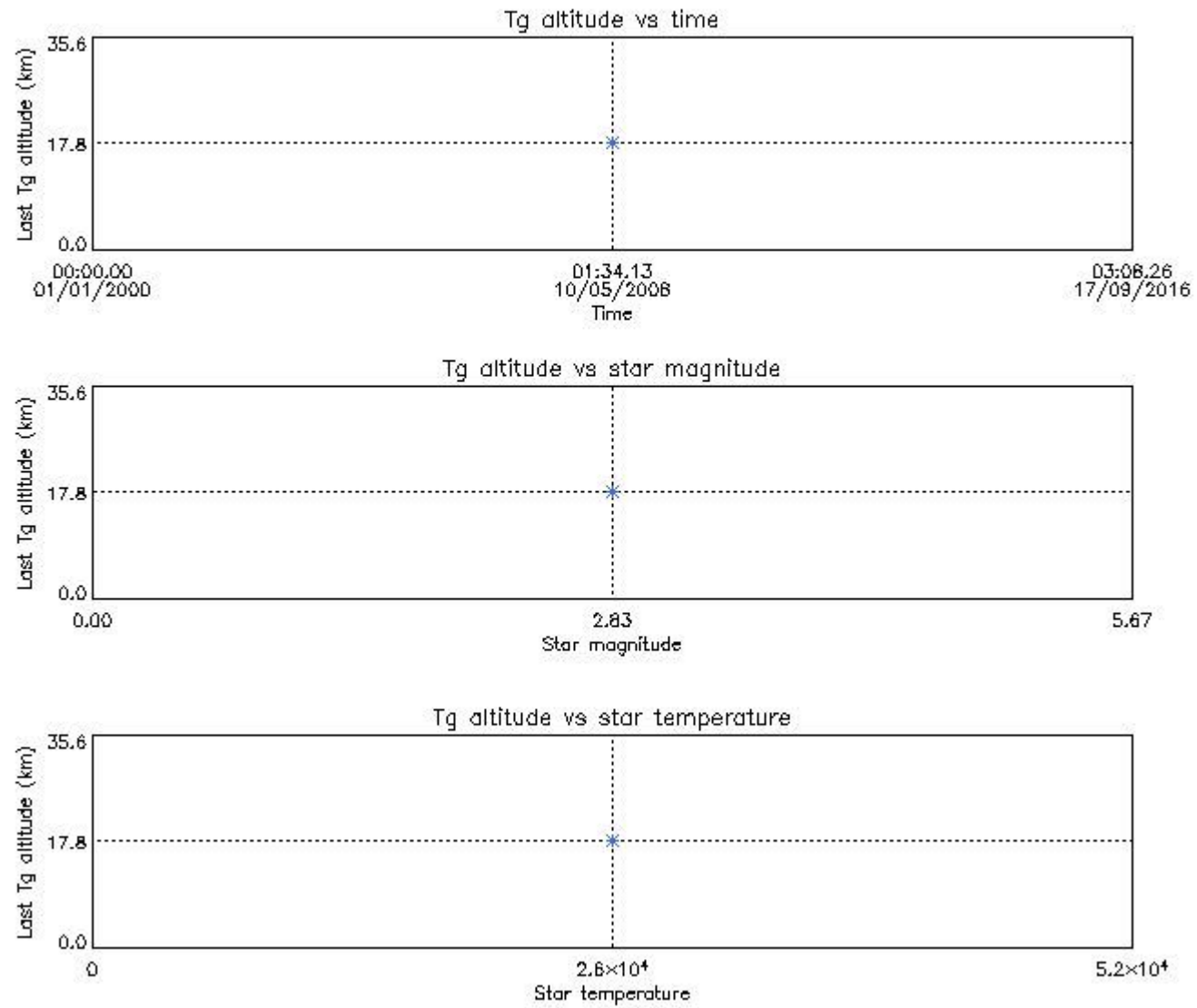
6.3 Plot for BRIGHT limb products

Tangent altitude at which the star is lost



6.3 Plot for TWILIGHT limb products

Tangent altitude at which the star is lost

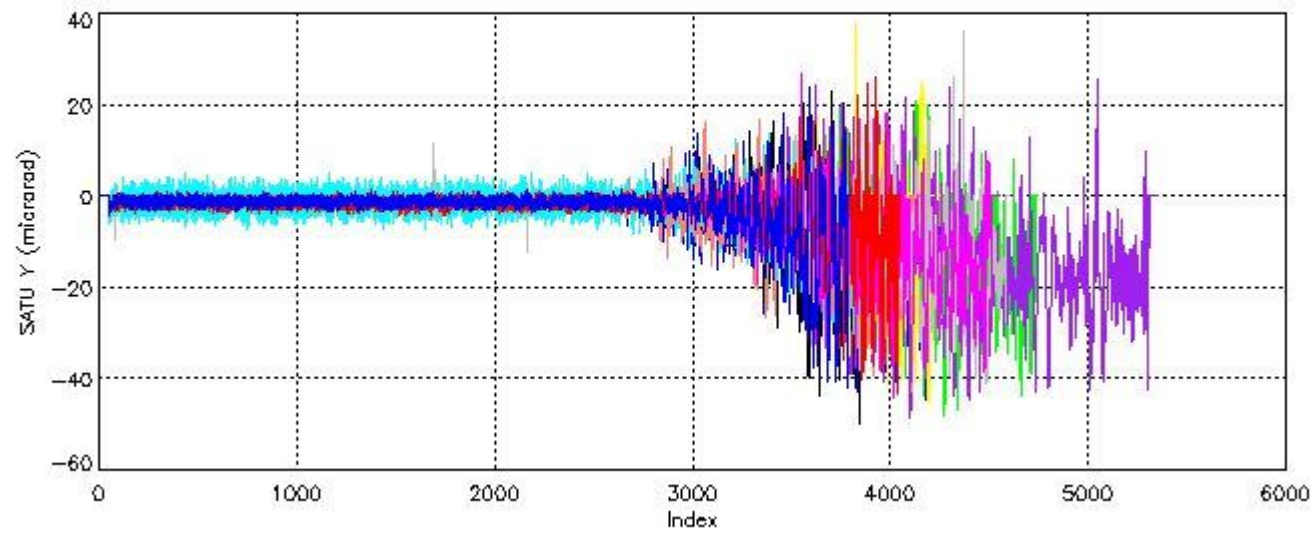
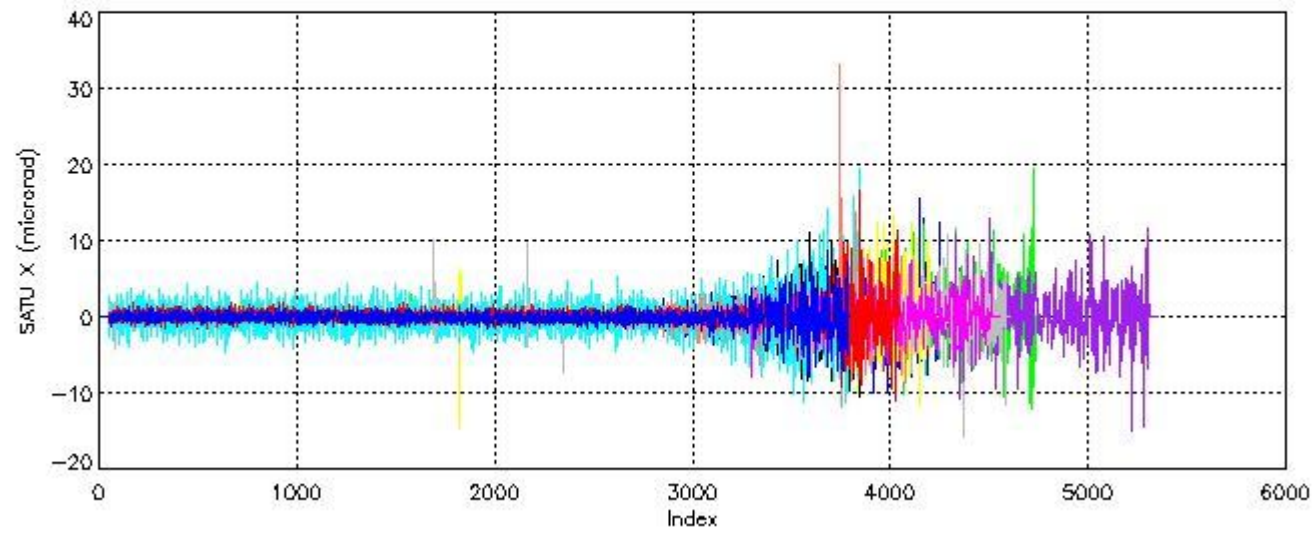


7. Star Acquisition and Tracking Unit (SATU)

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:	0.071232	-1.3196	0.022791	-1.3288
St. deviation:	0.40169	0.87084	0.75326	1.1984
Maximum:	2.4000	2.1000	5.3000	5.7000
Minimum:	-4.2000	-9.4000	-4.7000	-8.4000

Number of data:	11150.	11150.	19600.	19600.
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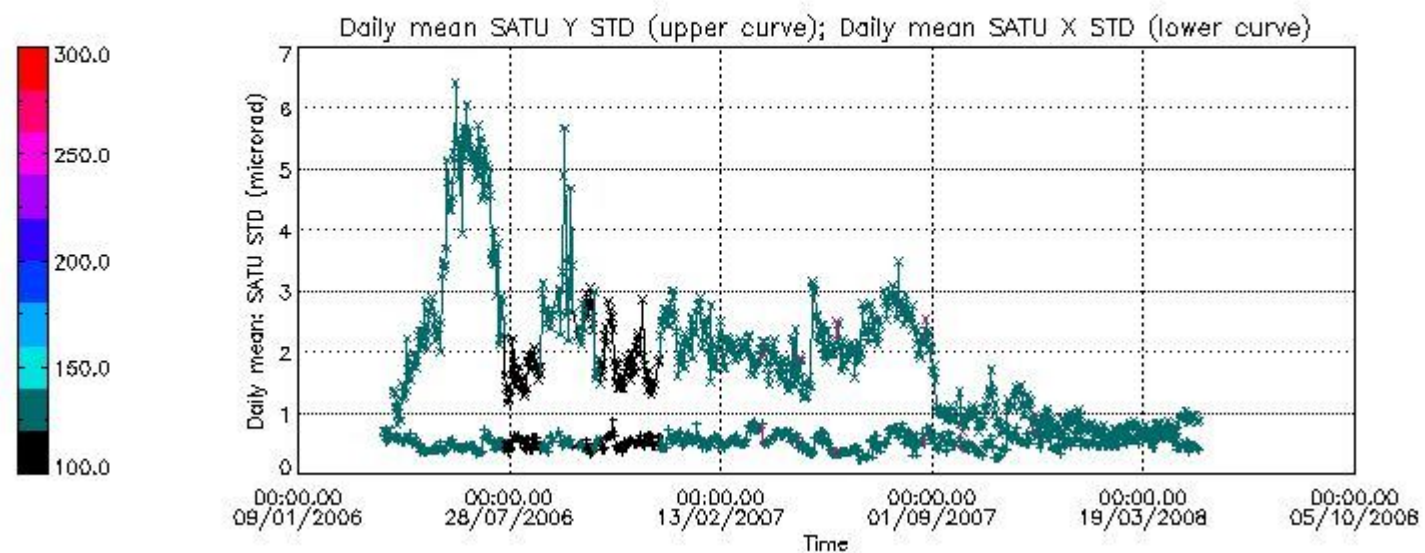
7.2.2 Trend of daily SATU NEA St. deviation since 1st April 2006 (dark limb)

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

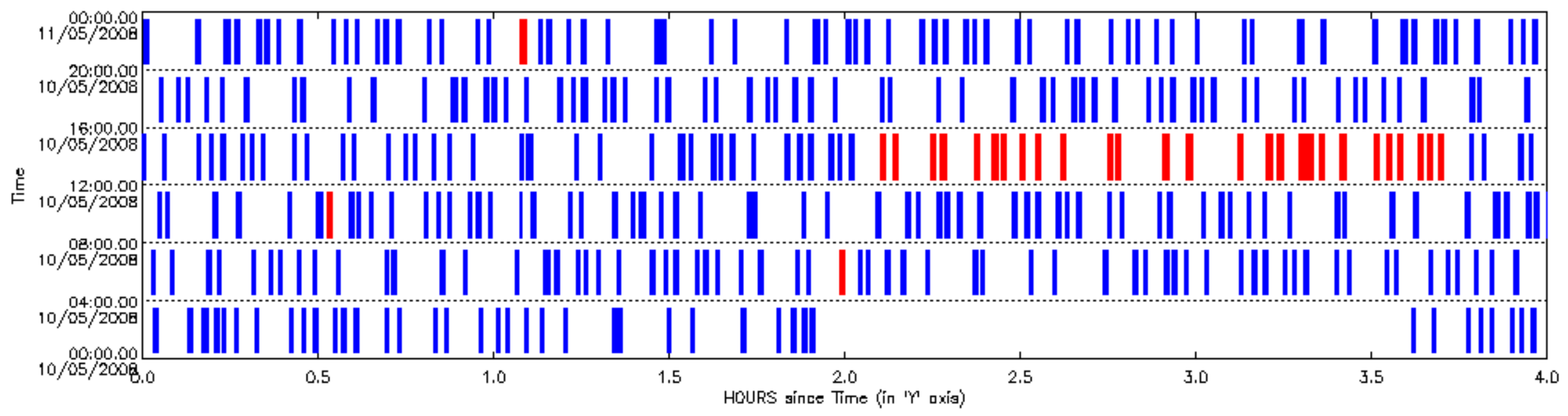
Lower curve: STD of SATU X axis

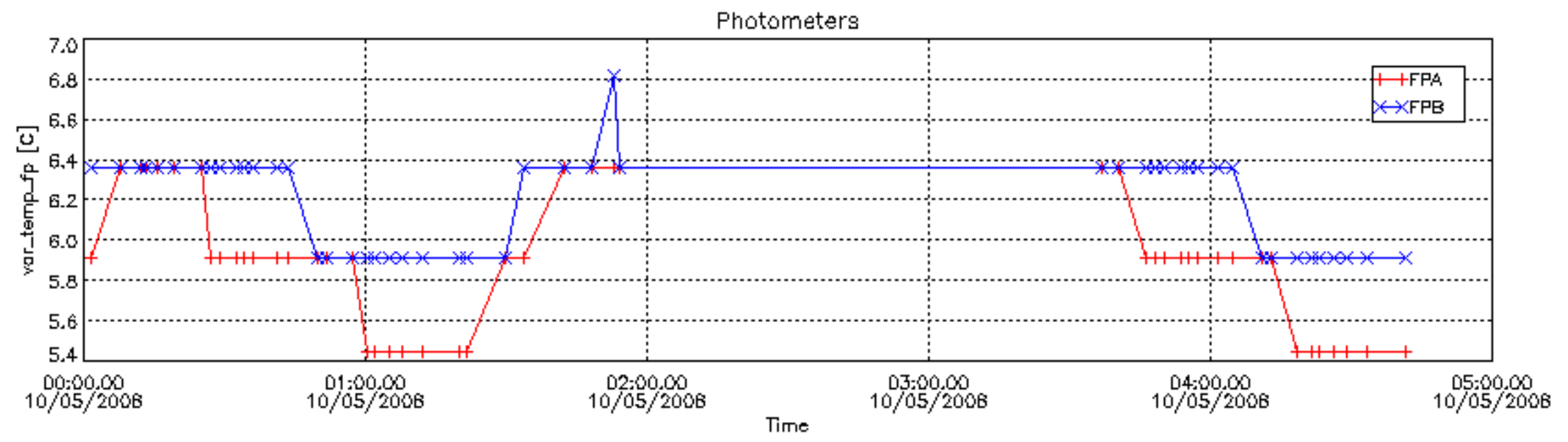
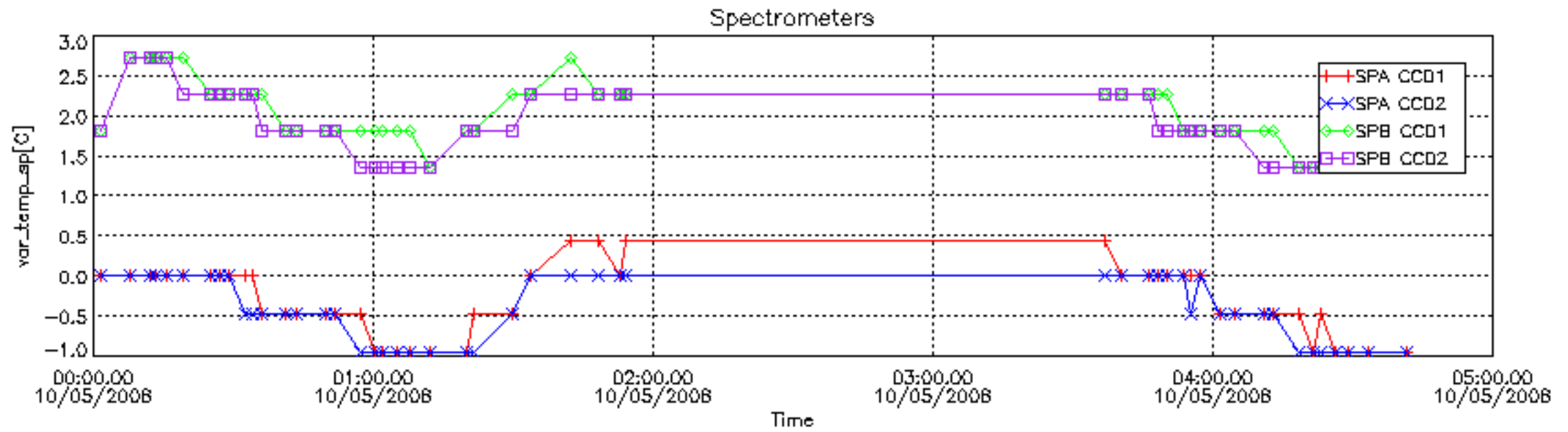


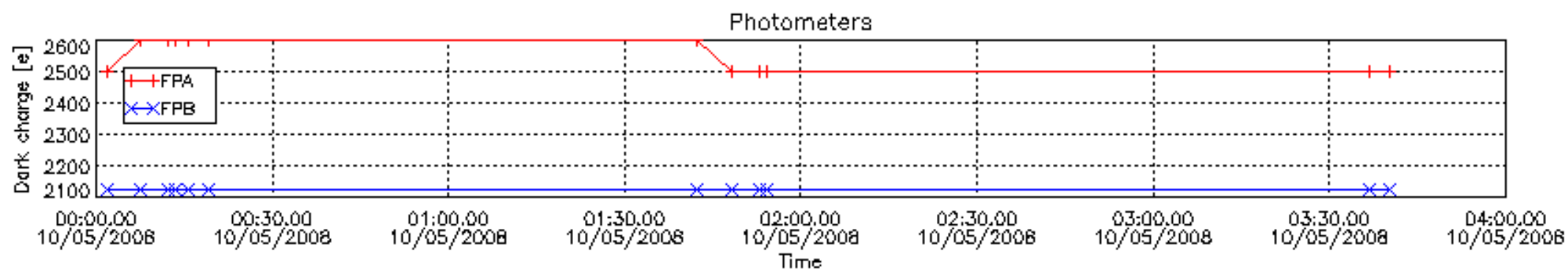
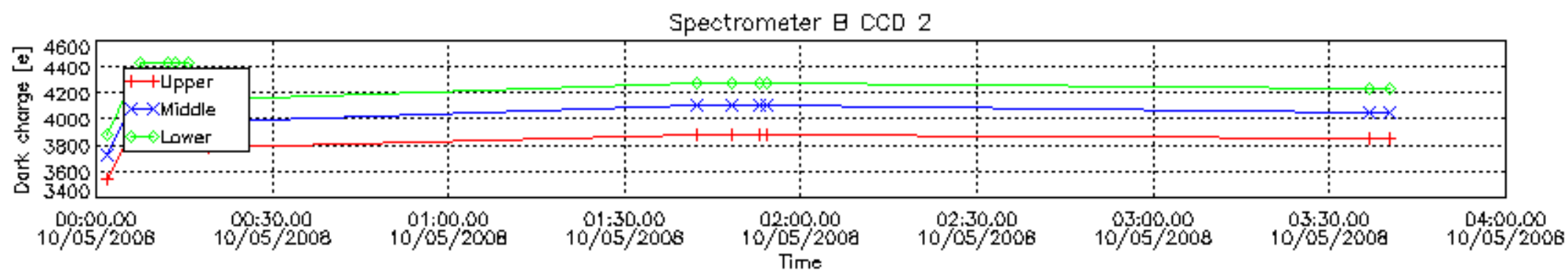
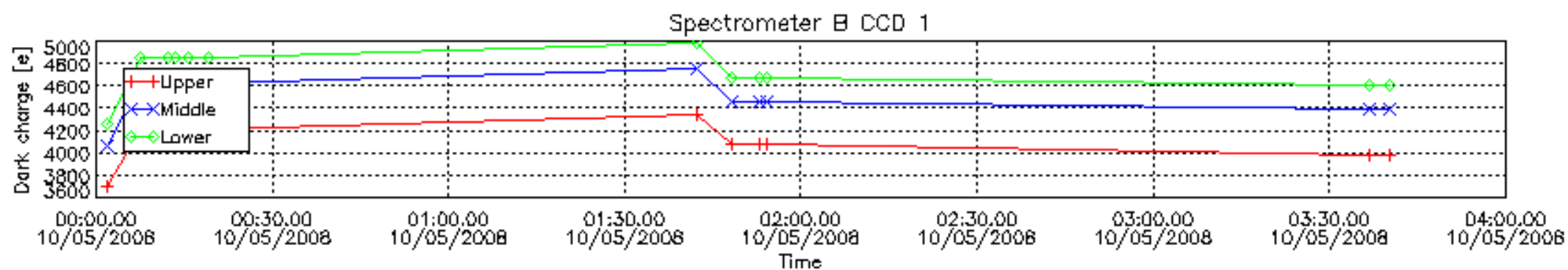
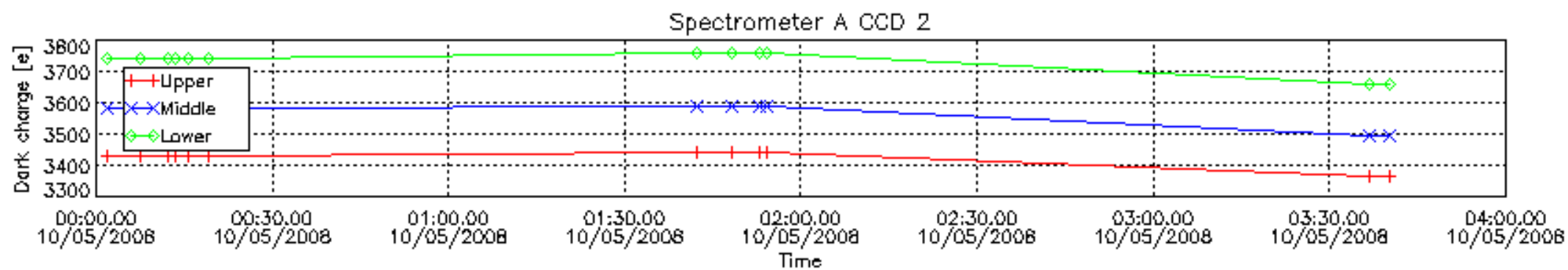
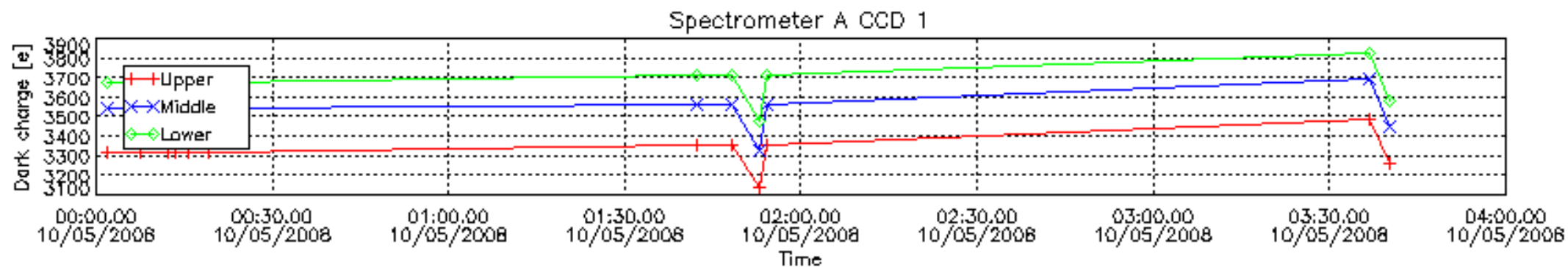
8. Auxiliary Data Files used for the production reported in section 2.4

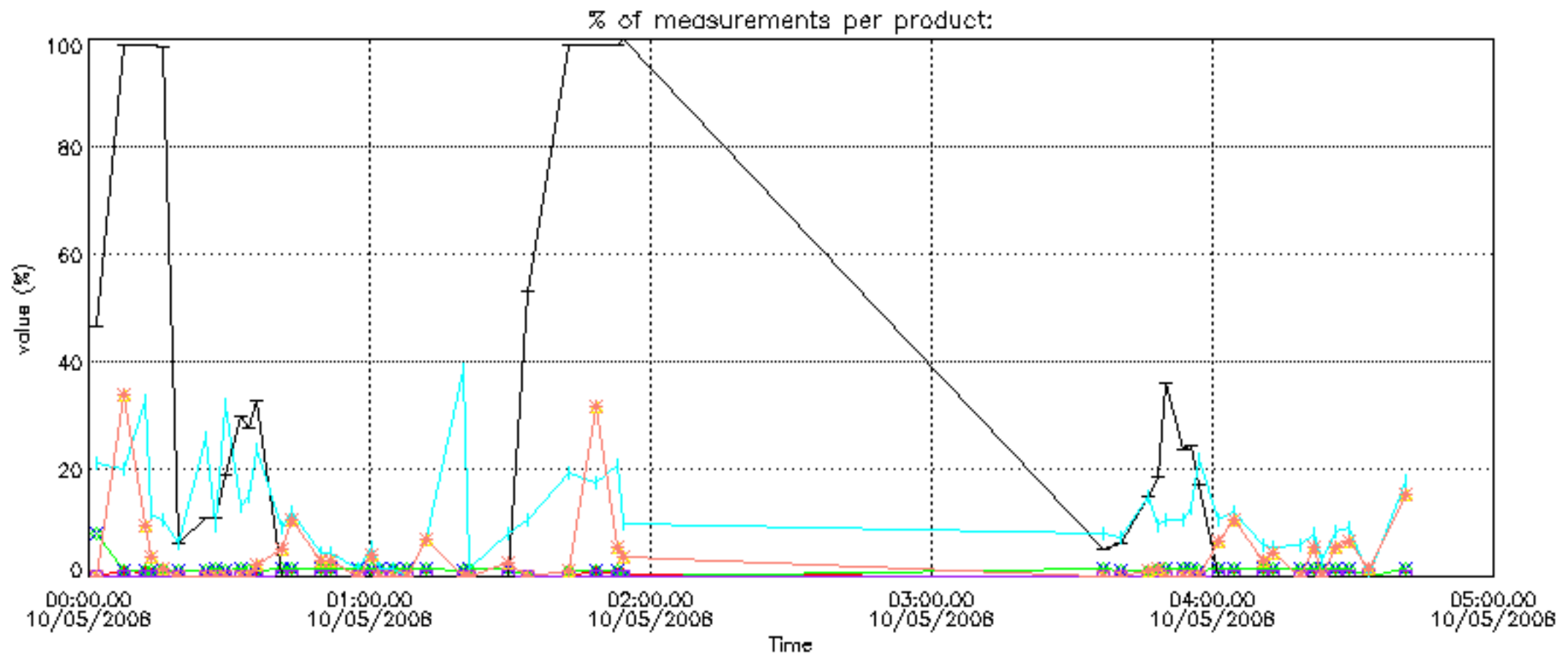
The number reported in the third column indicates since which file (see list in section 2.4) the corresponding auxiliary file has been used. The fourth column is the date of those product files.

Type	Auxiliary Filename	Used since product	Used since product date
INST_PHYS_CHARACTERISTICS	GOM_INS_AXNIEC20050627_150713_20030716_120000_20100101_000000	1	10-MAY-2008 00:01:45
CALIBRATION_DATABASE	GOM_CAL_AXVIEC20080502_144908_20080430_000000_20100101_000000	1	10-MAY-2008 00:01:45
LEVEL-1B_PROC_CONFIG	GOM_PR1_AXNIEC20050627_151042_20020301_000000_20100101_000000	1	10-MAY-2008 00:01:45
STAR_CATALOGUE	GOM_CAT_AXVIEC20020121_161009_20020101_000000_20200101_000000	1	10-MAY-2008 00:01:45
STELLAR_SPECTRA_DATABANK	GOM_STS_AXNIEC20040308_103538_20020101_160000_20100101_000000	1	10-MAY-2008 00:01:45
ECMWF_FILE	AUX_ECF_AXNECM20080509_072113_20080509_210000_20080510_090000	1	10-MAY-2008 00:01:45
ECMWF_FILE	AUX_ECF_AXNECM20080509_192115_20080510_030000_20080510_150000	31	10-MAY-2008 03:36:50
OPTIONAL_ECMWF_FILE	MISSING	1	10-MAY-2008 00:01:45
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20080509_221613_000057382068_00258_32376_5498.N1	1	10-MAY-2008 00:01:45
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20080509_235710_000057382068_00259_32377_5499.N1	27	10-MAY-2008 01:42:21
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20080510_013807_000044632068_00260_32378_5500.N1	31	10-MAY-2008 03:36:50
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20080510_025749_000054192068_00261_32379_5501.N1	49	10-MAY-2008 04:41:22

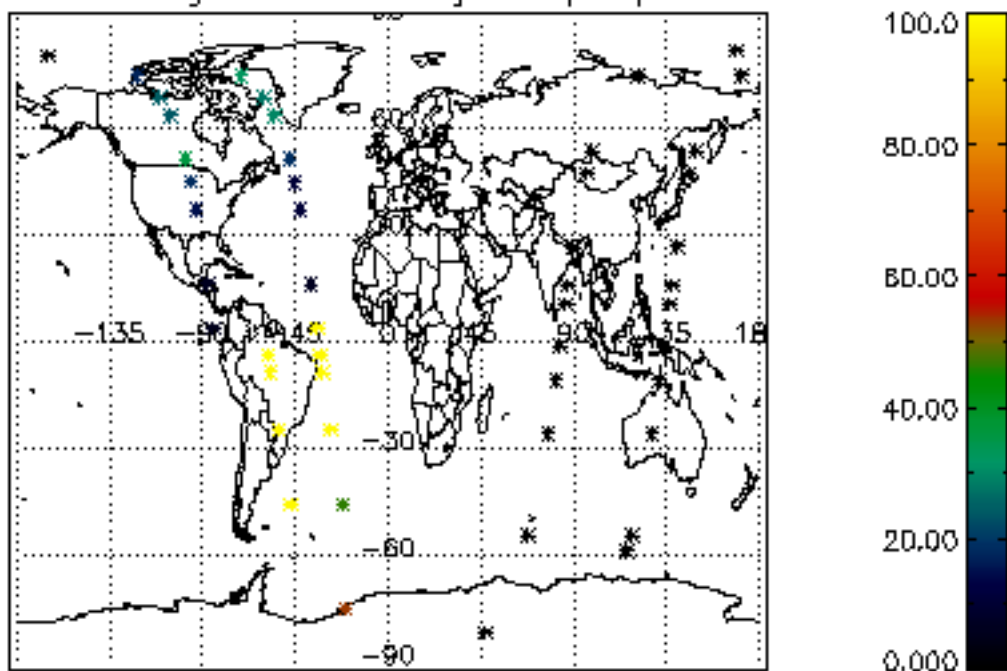




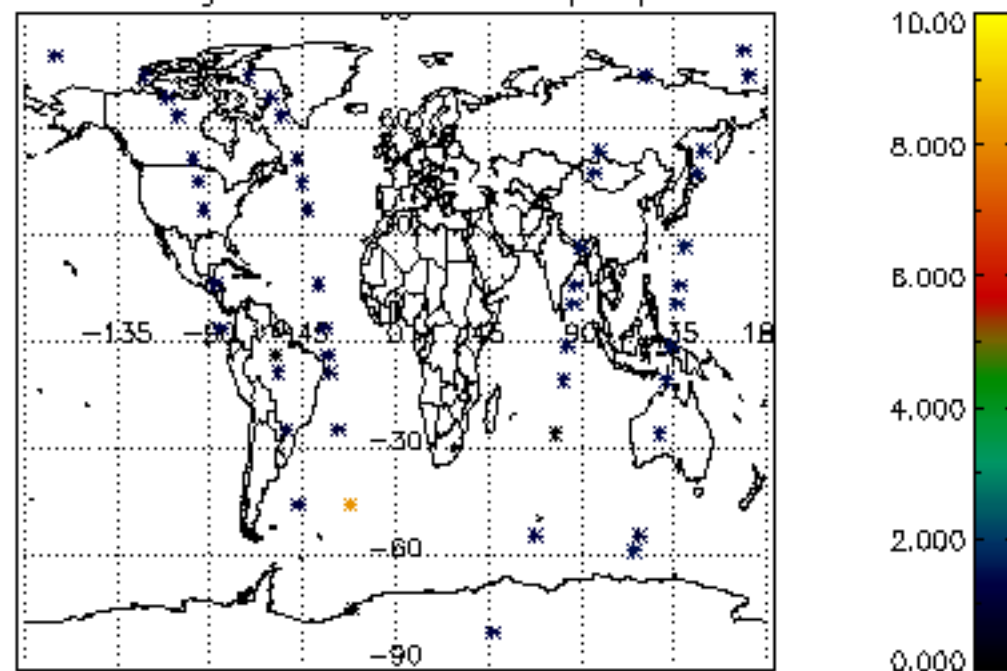




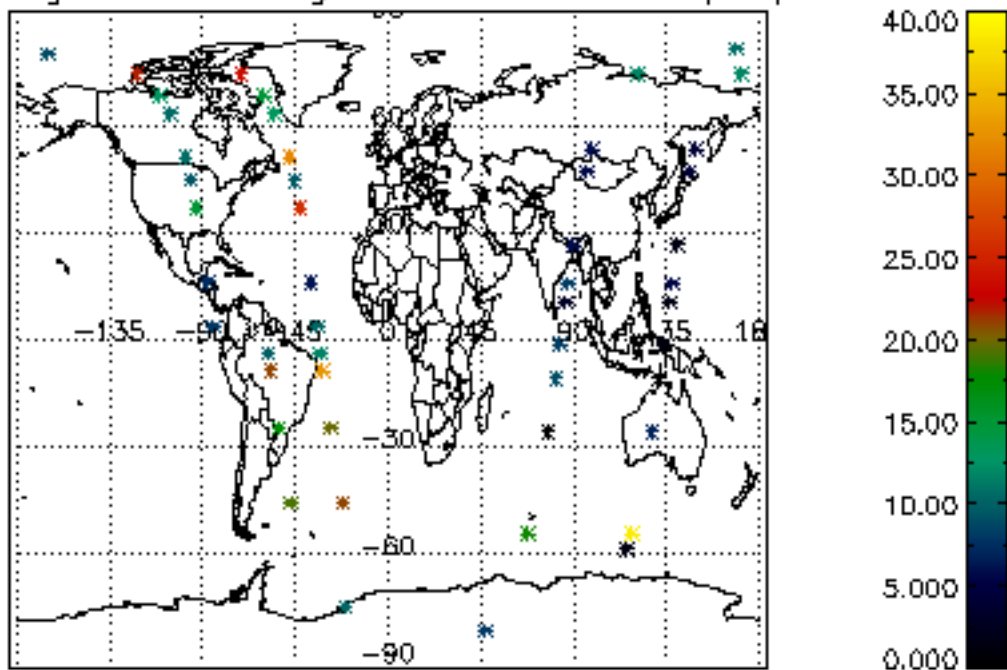
Percentage of cosmic ray hits per profile



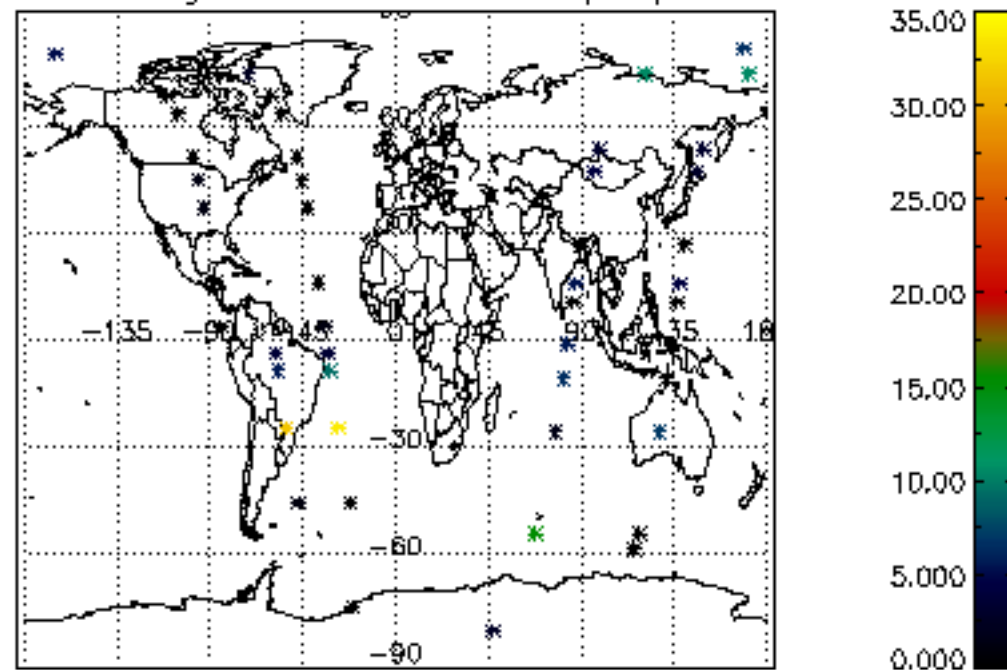
Percentage of datation errors per profile



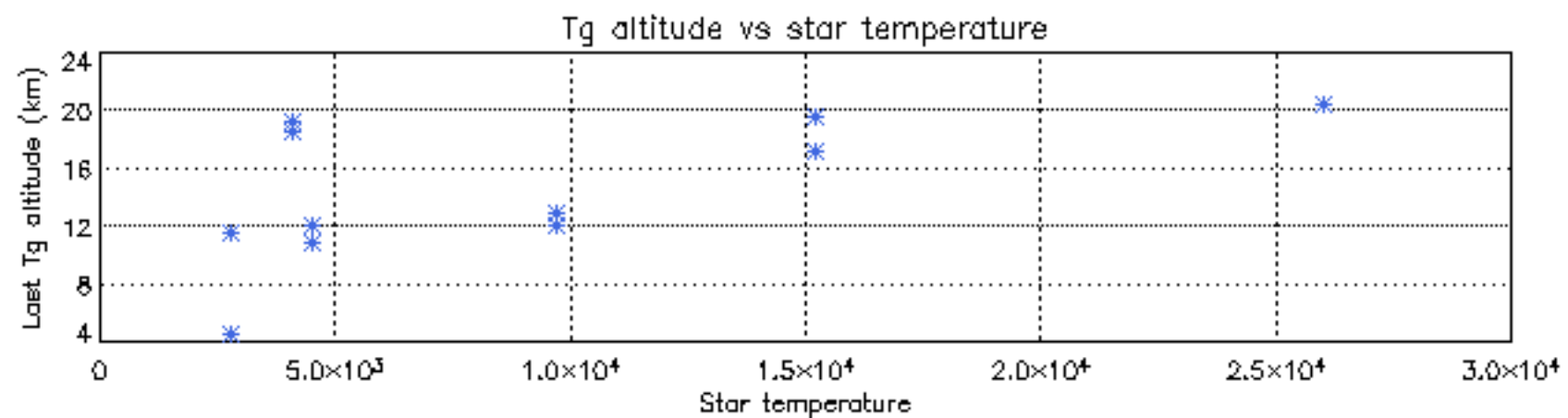
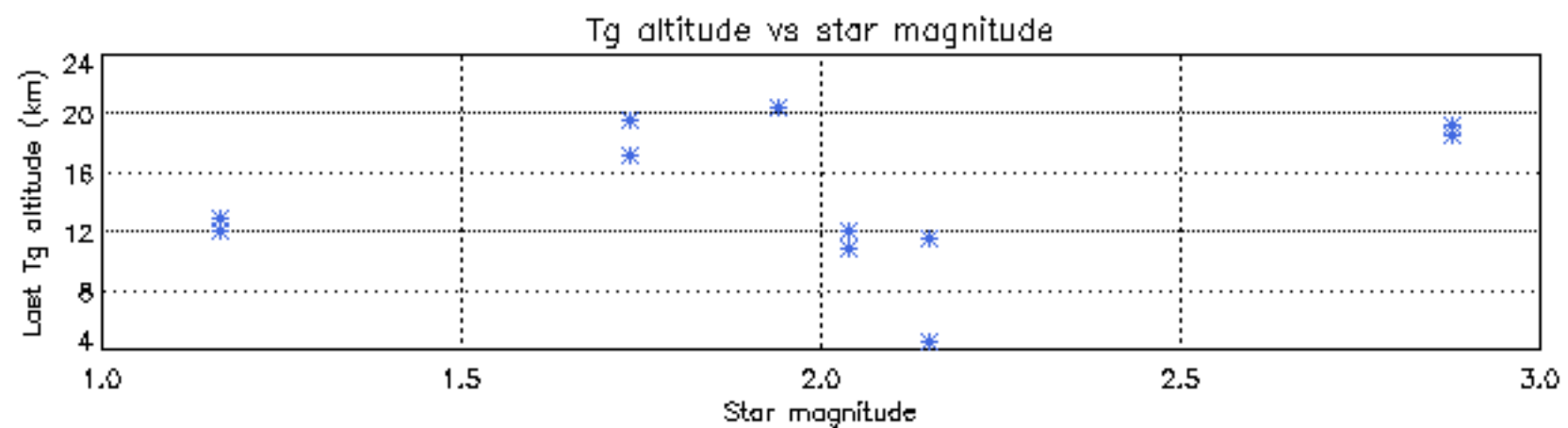
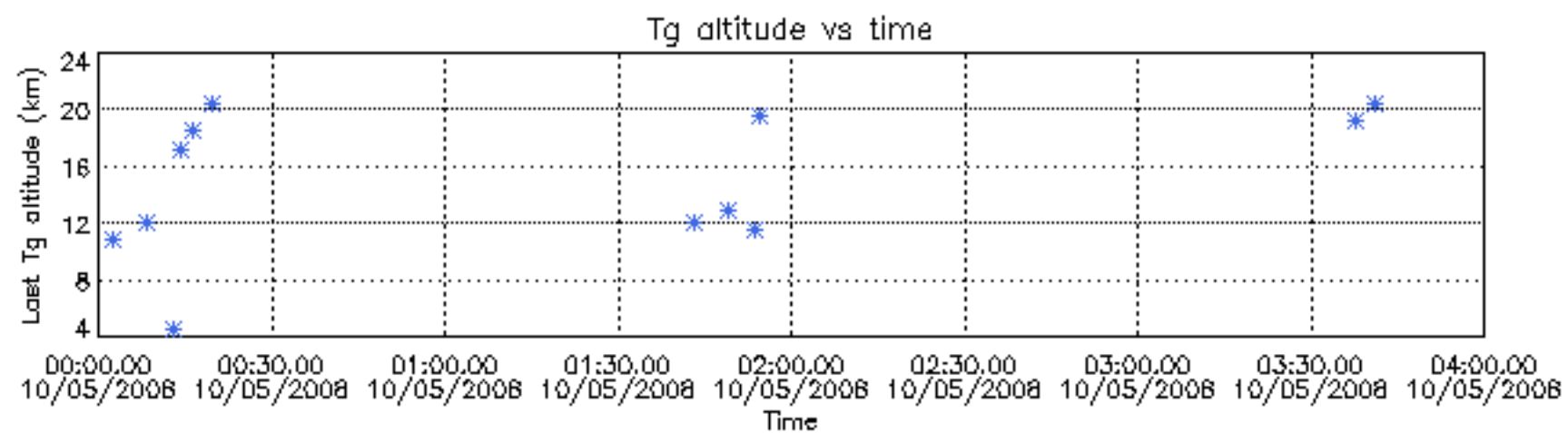
Percentage of star falling outside central band per profile



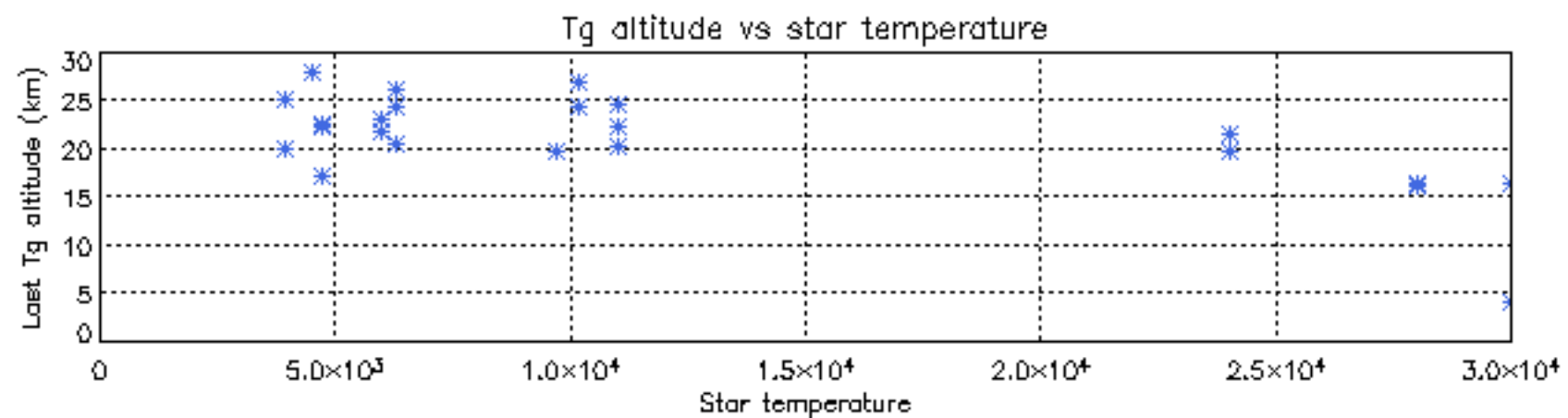
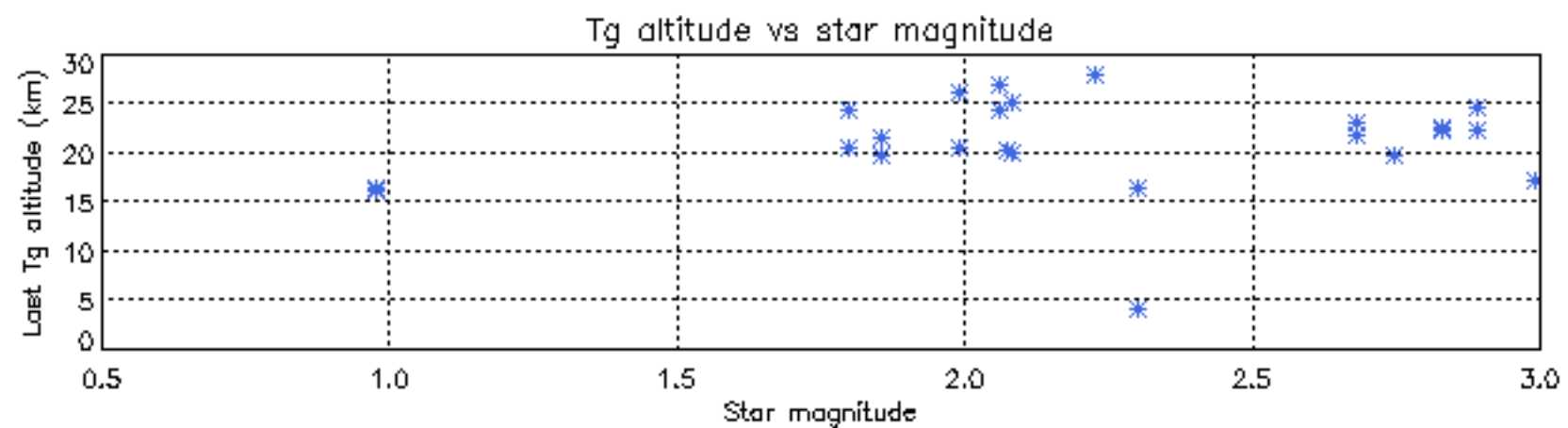
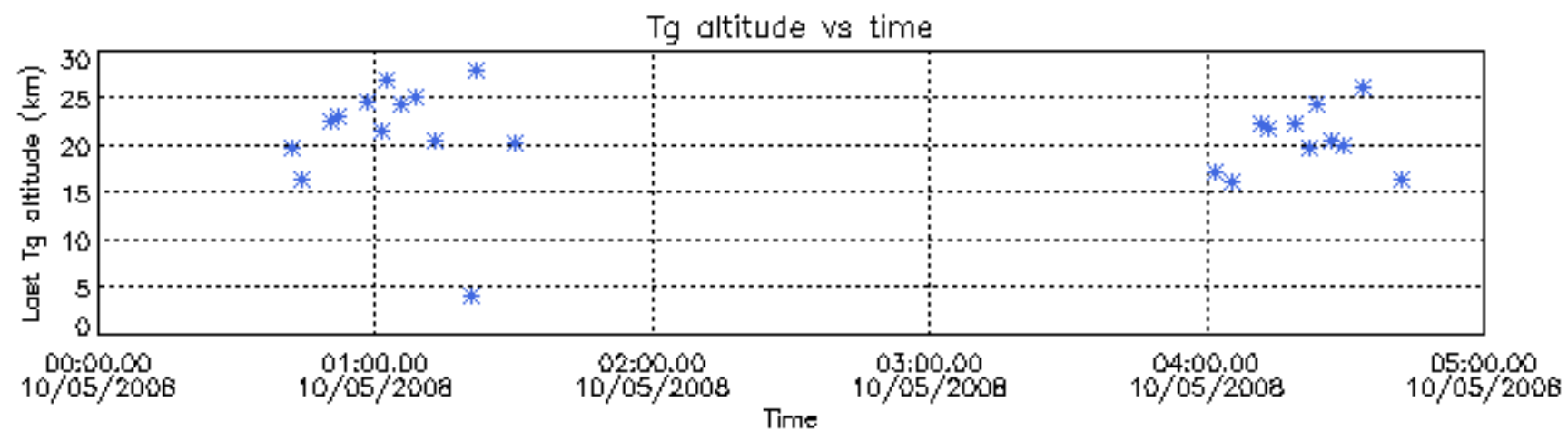
Percentage of saturation errors per profile



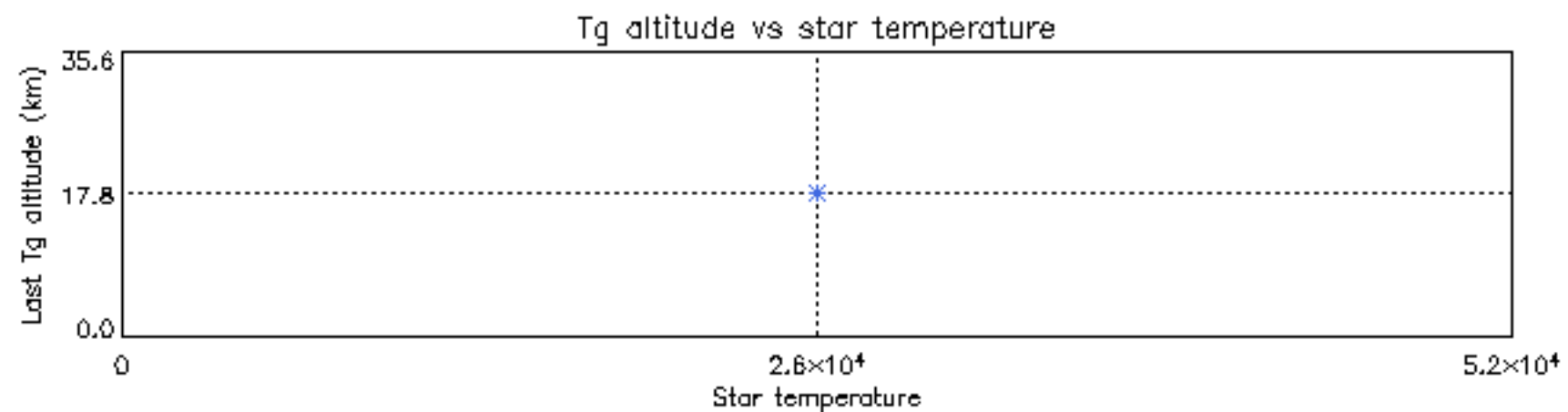
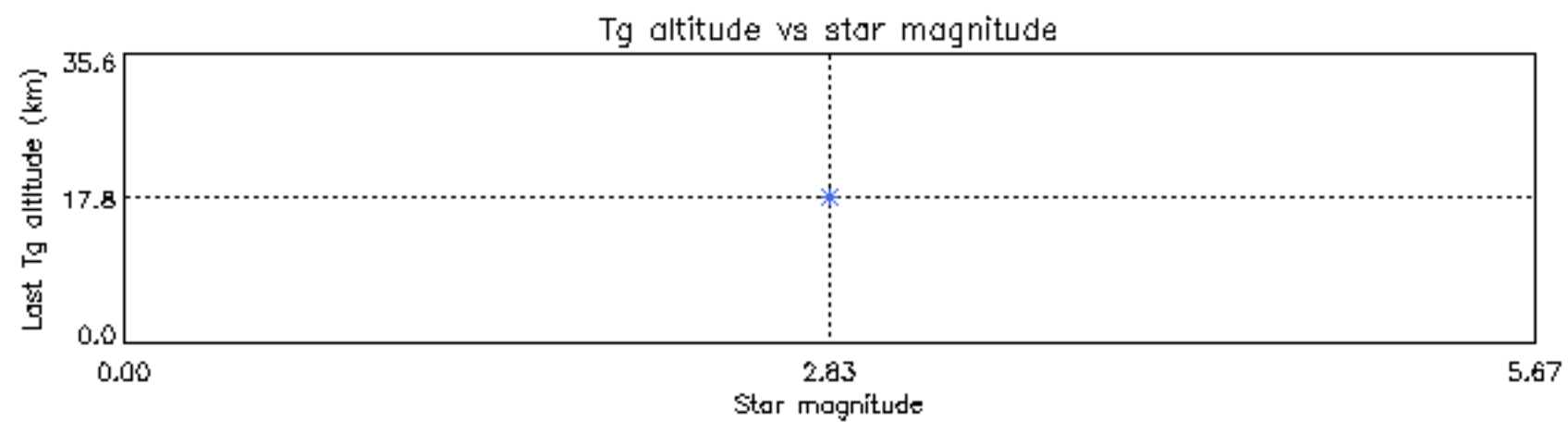
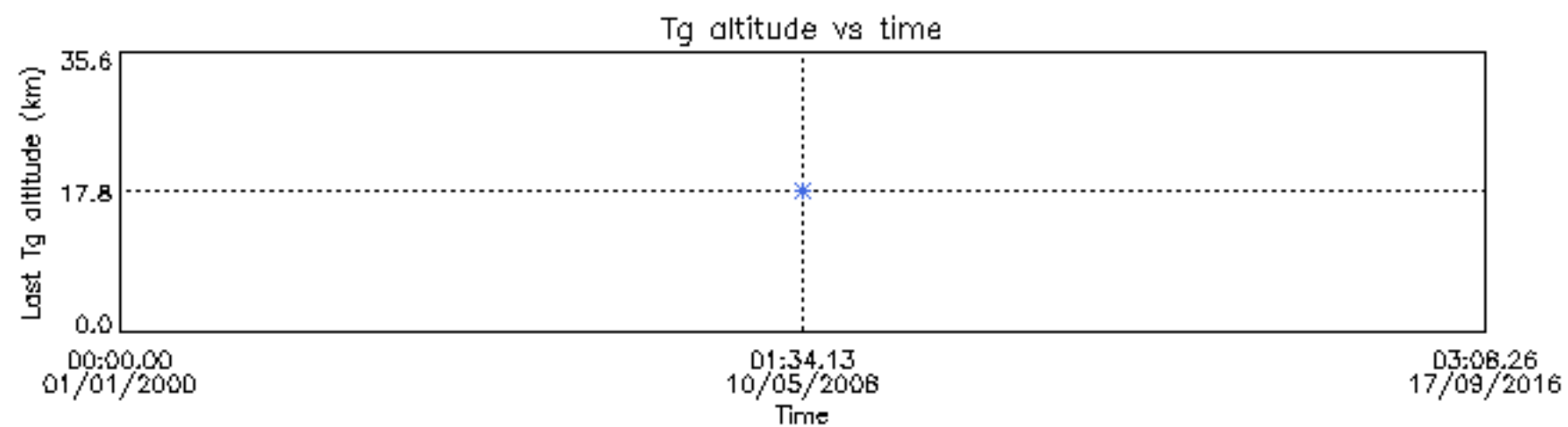
Tangent altitude at which the star is lost

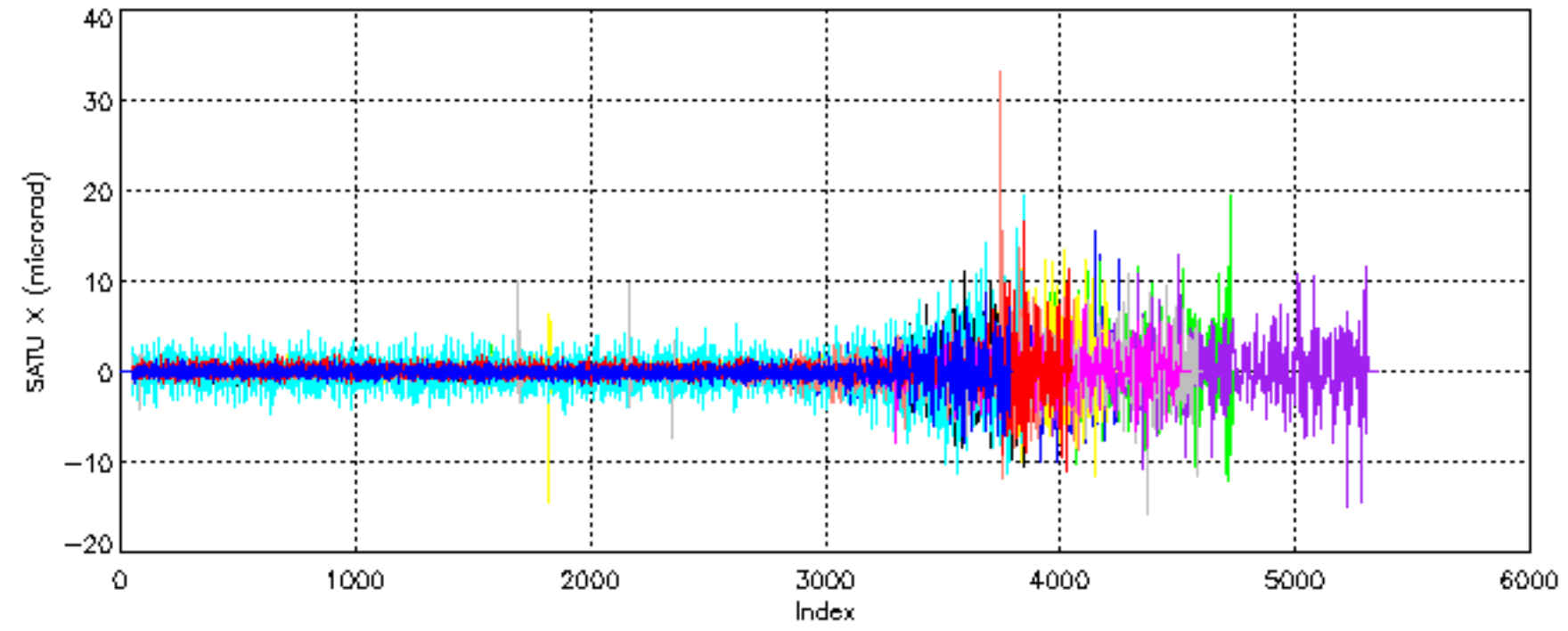


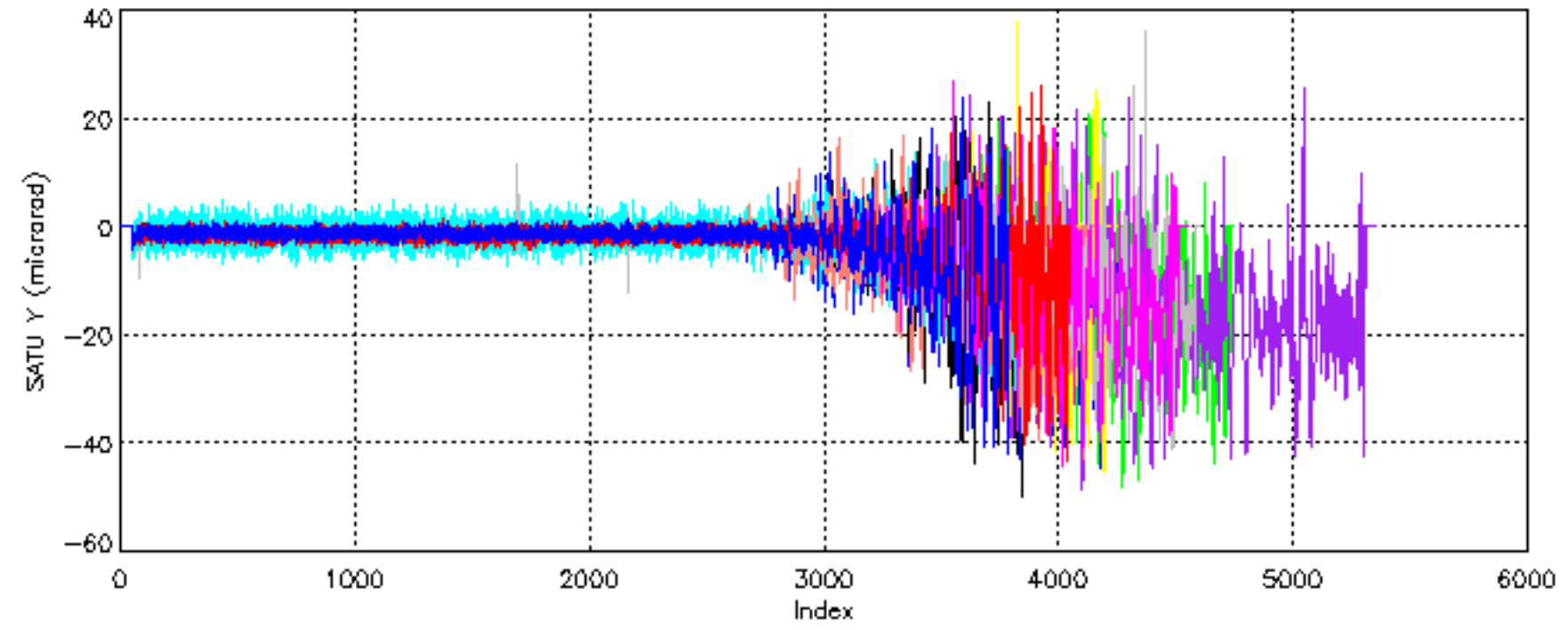
Tangent altitude at which the star is lost

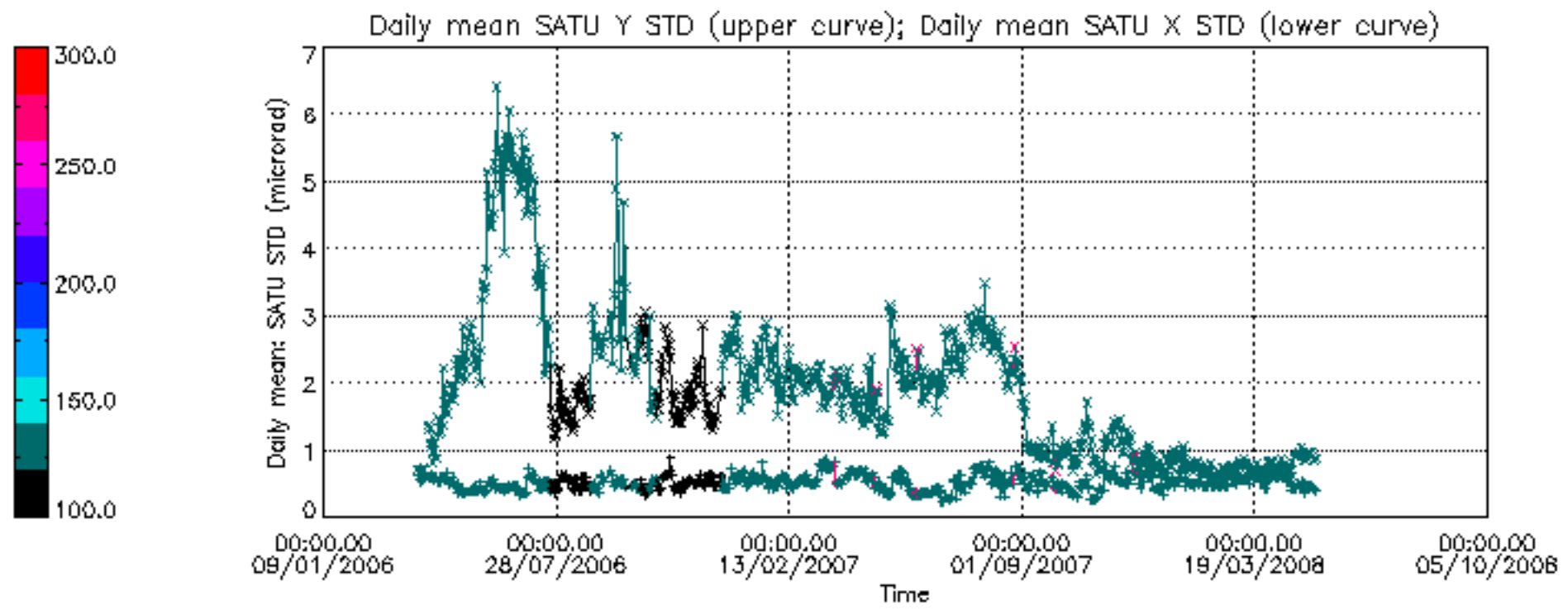


Tangent altitude at which the star is lost









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 17; 2559.7; 01-MAY-2008 02:20:35; Bright; 35.0; 152; 12Alp2CVn ; 2.89; 11000;occ; 70; 0;32250
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 10; 925.8; 01-MAY-2008 03:33:57; Dark ; 42.5; 20; Bet Cru ; 1.25; 30000;occ; 85; 0;32251
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 23; 2997.7; 01-MAY-2008 04:08:29; Bright; 32.5; 36; 50Alp UMa ; 1.80; 6300;occ; 65; 0;32251
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 22; 6882.5; 04-MAY-2008 12:01:23; Dark ; 42.0; 4; Alp1Cen ;-0.01; 5800;occ; 84; 0;32298
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 9; 2934.3; 04-MAY-2008 14:16:46; Bright; 35.0; 82; 48Bet UMa ; 2.37; 10600;occ; 70; 0;32300
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7; 2840.6; 09-MAY-2008 13:17:44; Bright; 37.0; 55; 79Zet UMa ; 2.06; 10200;occ; 74; 0;32371
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 22; 6657.2; 09-MAY-2008 16:01:56; Dark ; 40.5; 43; Alp TrA ; 1.91; 4250;occ; 81; 0;32372
 23; 6788.9; 09-MAY-2008 16:04:08; Dark ; 38.0; 134; Bet TrA ; 2.81; 6600;occ; 76; 0;32372
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 26; 7201.9; 09-MAY-2008 16:11:01; Dark ; 39.0; 81; Eta Cen ; 2.36; 28000;occ; 78; 0;32372
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 12; 3445.8; 09-MAY-2008 16:49:01; Bright; 36.0; 49; 1Alp UMi ; 1.99; 6300;occ; 72; 0;32373
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 22; 6096.9; 09-MAY-2008 17:33:12; Dark ; 38.5; 148; Alp Tuc ; 2.88; 4100;occ; 77; 0;32373
 23; 6303.8; 09-MAY-2008 17:36:39; Dark ; 41.0; 45; Alp Pav ; 1.94; 26000;occ; 82; 0;32373
 24; 6657.5; 09-MAY-2008 17:42:33; Dark ; 37.0; 43; Alp TrA ; 1.91; 4250;occ; 74; 0;32373
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 27; 7111.0; 09-MAY-2008 17:50:06; Dark ; 38.5; 78; Alp Lup ; 2.30; 28000;occ; 77; 0;32373
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6; 2111.4; 09-MAY-2008 18:07:23; Bright; 34.5; 138; 47Eps Vir ; 2.83; 4700;occ; 69; 0;32374
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13; 3445.8; 09-MAY-2008 18:29:37; Bright; 35.5; 49; 1Alp UMi ; 1.99; 6300;occ; 71; 0;32374
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22; 5969.5; 09-MAY-2008 20:52:17; Dark ; 40.5; 31; Alp Gru ; 1.73; 15200;occ; 81; 0;32375
23; 6097.6; 09-MAY-2008 20:54:25; Dark ; 43.5; 148; Alp Tuc ; 2.88; 4100;occ; 87; 0;32375
24; 6305.0; 09-MAY-2008 20:57:52; Dark ; 40.5; 45; Alp Pav ; 1.94; 26000;occ; 81; 0;32375
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26; 6789.7; 09-MAY-2008 21:05:57; Dark ; 37.5; 134; Bet TrA ; 2.81; 6600;occ; 75; 0;32375
27; 6900.1; 09-MAY-2008 21:07:47; Dark ; 43.5; 4; Alp1Cen ; -0.01; 5800;occ; 87; 0;32375
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17; 2221.2; 10-MAY-2008 00:51:36; Bright; 35.0; 111; 8Eta Boo ; 2.68; 6000;occ; 70; 0;32378
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6; 68.3; 10-MAY-2008 22:03:30; Dark ; 44.0; 148; Alp Tuc ; 2.88; 4100;occ; 88; 0;32391
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 4; -110.4; 13-MAY-2008 23:46:53; Dark ; 55.5; 63; Bet Gru ; 2.15; 2800;occ; 111; 0;32434

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7;	310.2;	13-MAY-2008	23:53:53;	Dark	;	42.0;	45;	Alp Pav	;	1.94;	26000;occ;	84;	0;	32435
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22;	3186.5;	14-MAY-2008	00:41:49;	Bright;	;	38.0;	60;	7Bet UMi	;	2.08;	3950;occ;	76;	0;	32435
23;	3446.0;	14-MAY-2008	00:46:09;	Bright;	;	35.0;	49;	1Alp UMi	;	1.99;	6300;occ;	70;	0;	32435
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25;	4011.3;	14-MAY-2008	00:55:34;	Bright;	;	41.5;	68;	18Alp Cas	;	2.22;	4500;occ;	83;	0;	32435
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6;	-466.1;	13-MAY-2008	06:54:58;	Dark	;	59.5;	0;		;	0.00;	0;occ;	119;	0;	32424
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12; 4011.4; 13-MAY-2008 13:11:23; Bright; 53.0; 68; 18Alp Cas ; 2.22; 4500;occ; 106; 0;32428

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4; -101.5; 14-MAY-2008 23:15:25; Dark ; 56.0; 63; Bet Gru ; 2.15; 2800;occ; 112; 0;32448
5; 94.8; 14-MAY-2008 23:18:41; Dark ; 39.0; 148; Alp Tuc ; 2.88; 4100;occ; 78; 0;32449
6; 320.1; 14-MAY-2008 23:22:26; Dark ; 41.0; 45; Alp Pav ; 1.94; 26000;occ; 82; 0;32449
7; 644.8; 14-MAY-2008 23:27:51; Dark ; 39.0; 43; Alp TrA ; 1.91; 4250;occ; 78; 0;32449
8; 775.7; 14-MAY-2008 23:30:02; Dark ; 36.5; 134; Bet TrA ; 2.81; 6600;occ; 73; 0;32449
9; 878.5; 14-MAY-2008 23:31:45; Dark ; 48.5; 4; Alp1Cen ; -0.01; 5800;occ; 97; 0;32449
10; 1092.7; 14-MAY-2008 23:35:19; Dark ; 39.0; 78; Alp Lup ; 2.30; 28000;occ; 78; 0;32449
11; 1183.2; 14-MAY-2008 23:36:49; Dark ; 36.0; 81; Eta Cen ; 2.36; 28000;occ; 72; 0;32449
12; 1299.1; 14-MAY-2008 23:38:45; Dark ; 42.0; 54; 5The Cen ; 2.06; 4500;occ; 84; 0;32449
13; 1615.0; 14-MAY-2008 23:44:01; Bright; 37.5; 122; 9Alp2Lib ; 2.75; 9700;occ; 75; 0;32449
14; 1743.5; 14-MAY-2008 23:46:10; Bright; 38.0; 15; 67Alp Vir ; 0.98; 28000;occ; 76; 0;32449
15; 2127.1; 14-MAY-2008 23:52:33; Bright; 34.5; 138; 47Eps Vir ; 2.83; 4700;occ; 69; 0;32449
16; 2222.3; 14-MAY-2008 23:54:08; Bright; 35.0; 111; 8Eta Boo ; 2.68; 6000;occ; 70; 0;32449
17; 2572.7; 14-MAY-2008 23:59:59; Bright; 36.5; 180; 27Gam Boo ; 3.04; 8000;occ; 73; 0;32449
18; 2745.7; 15-MAY-2008 00:02:52; Bright; 34.5; 39; 85Eta UMa ; 1.85; 24000;occ; 69; 0;32449
19; 2841.4; 15-MAY-2008 00:04:27; Bright; 34.0; 55; 79Zet UMa ; 2.06; 10200;occ; 68; 0;32449
20; 3184.7; 15-MAY-2008 00:10:11; Bright; 35.0; 60; 7Bet UMi ; 2.08; 3950;occ; 70; 0;32449
21; 3446.1; 15-MAY-2008 00:14:32; Bright; 32.0; 49; 1Alp UMi ; 1.99; 6300;occ; 64; 0;32449
22; 3937.8; 15-MAY-2008 00:22:44; Bright; 53.0; 76; 27Gam Cas ; 2.30; 30000;occ; 106; 0;32449
23; 4011.6; 15-MAY-2008 00:23:58; Bright; 36.5; 68; 18Alp Cas ; 2.22; 4500;occ; 73; 0;32449
24; 4761.3; 15-MAY-2008 00:36:27; Dark ; 42.0; 140; 88Gam Peg ; 2.83; 26000;occ; 84; 0;32449
25; 5285.2; 15-MAY-2008 00:45:11; Dark ; 38.5; 52; 16Bet Cet ; 2.04; 4500;occ; 77; 0;32449

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2; -2024.5; 14-MAY-2008 07:37:58; Bright; 34.0; 68; 18Alp Cas ; 2.22; 4500;occ; 68; 0;32439
3; -1277.4; 14-MAY-2008 07:50:25; Dark ; 42.0; 140; 88Gam Peg ; 2.83; 26000;occ; 84; 0;32439
4; -753.6; 14-MAY-2008 07:59:09; Dark ; 41.0; 52; 16Bet Cet ; 2.04; 4500;occ; 82; 0;32439
5; -463.3; 14-MAY-2008 08:03:59; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;32439
6; -344.9; 14-MAY-2008 08:05:58; Dark ; 42.5; 84; Alp Phe ; 2.40; 4500;occ; 85; 0;32439
7; -107.2; 14-MAY-2008 08:09:56; Dark ; 45.5; 63; Bet Gru ; 2.15; 2800;occ; 91; 0;32439
8; -20.7; 14-MAY-2008 08:11:22; Dark ; 41.0; 31; Alp Gru ; 1.73; 15200;occ; 82; 0;32439
9; 90.7; 14-MAY-2008 08:13:13; Dark ; 40.5; 148; Alp Tuc ; 2.88; 4100;occ; 81; 0;32440
10; 313.9; 14-MAY-2008 08:16:57; Dark ; 40.5; 45; Alp Pav ; 1.94; 26000;occ; 81; 0;32440
11; 642.1; 14-MAY-2008 08:22:25; Dark ; 40.0; 43; Alp TrA ; 1.91; 4250;occ; 80; 0;32440
12; 773.0; 14-MAY-2008 08:24:36; Dark ; 38.0; 134; Bet TrA ; 2.81; 6600;occ; 76; 0;32440
13; 877.0; 14-MAY-2008 08:26:20; Dark ; 42.5; 4; Alp1Cen ; -0.01; 5800;occ; 85; 0;32440
14; 1090.8; 14-MAY-2008 08:29:54; Dark ; 39.0; 78; Alp Lup ; 2.30; 28000;occ; 78; 0;32440
15; 1181.4; 14-MAY-2008 08:31:24; Dark ; 39.0; 81; Eta Cen ; 2.36; 28000;occ; 78; 0;32440
16; 1297.4; 14-MAY-2008 08:33:20; Dark ; 39.5; 54; 5The Cen ; 2.06; 4500;occ; 79; 0;32440
17; 1613.8; 14-MAY-2008 08:38:37; Bright; 37.0; 122; 9Alp2Lib ; 2.75; 9700;occ; 74; 0;32440

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2; 1741.9; 14-MAY-2008 08:40:45; Bright; 36.5; 15; 67Alp Vir ; 0.98; 28000;occ; 73; 0;32440
3; 2124.9; 14-MAY-2008 08:47:08; Bright; 35.0; 138; 47Eps Vir ; 2.83; 4700;occ; 70; 0;32440
4; 2222.0; 14-MAY-2008 08:48:45; Bright; 36.0; 111; 8Eta Boo ; 2.68; 6000;occ; 72; 0;32440
5; 2574.4; 14-MAY-2008 08:54:37; Bright; 37.0; 180; 27Gam Boo ; 3.04; 8000;occ; 74; 0;32440
6; 2745.8; 14-MAY-2008 08:57:29; Bright; 35.5; 39; 85Eta UMa ; 1.85; 24000;occ; 71; 0;32440
7; 2841.1; 14-MAY-2008 08:59:04; Bright; 37.0; 55; 79Zet UMa ; 2.06; 10200;occ; 74; 0;32440
8; 3054.2; 14-MAY-2008 09:02:37; Bright; 37.0; 36; 50Alp UMa ; 1.80; 6300;occ; 74; 0;32440
9; 3185.9; 14-MAY-2008 09:04:49; Bright; 35.5; 60; 7Bet UMi ; 2.08; 3950;occ; 71; 0;32440
10; 3446.1; 14-MAY-2008 09:09:09; Bright; 32.0; 49; 1Alp UMi ; 1.99; 6300;occ; 64; 0;32440
11; 3937.7; 14-MAY-2008 09:17:20; Bright; 36.5; 76; 27Gam Cas ; 2.30; 30000;occ; 73; 0;32440
12; 4011.4; 14-MAY-2008 09:18:34; Bright; 44.5; 68; 18Alp Cas ; 2.22; 4500;occ; 89; 0;32440
13; 4758.7; 14-MAY-2008 09:31:01; Dark ; 41.0; 140; 88Gam Peg ; 2.83; 26000;occ; 82; 0;32440
14; 5282.5; 14-MAY-2008 09:39:45; Dark ; 43.5; 52; 16Bet Cet ; 2.04; 4500;occ; 87; 0;32440
15; 5572.7; 14-MAY-2008 09:44:35; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;32440
16; 5691.2; 14-MAY-2008 09:46:34; Dark ; 40.0; 84; Alp Phe ; 2.40; 4500;occ; 80; 0;32440
17; 5929.4; 14-MAY-2008 09:50:32; Dark ; 41.0; 63; Bet Gru ; 2.15; 2800;occ; 82; 0;32440
18; 6015.9; 14-MAY-2008 09:51:59; Dark ; 41.0; 31; Alp Gru ; 1.73; 15200;occ; 82; 0;32440
19; 6127.0; 14-MAY-2008 09:53:50; Dark ; 39.0; 148; Alp Tuc ; 2.88; 4100;occ; 78; 0;32440
20; 6350.4; 14-MAY-2008 09:57:33; Dark ; 40.5; 45; Alp Pav ; 1.94; 26000;occ; 81; 0;32440
21; 6678.3; 14-MAY-2008 10:03:01; Dark ; 37.0; 43; Alp TrA ; 1.91; 4250;occ; 74; 0;32440
22; 6809.3; 14-MAY-2008 10:05:12; Dark ; 37.0; 134; Bet TrA ; 2.81; 6600;occ; 74; 0;32440
23; 6913.0; 14-MAY-2008 10:06:56; Dark ; 48.0; 4; Alp1Cen ; -0.01; 5800;occ; 96; 0;32440
24; 7126.8; 14-MAY-2008 10:10:30; Dark ; 38.0; 78; Alp Lup ; 2.30; 28000;occ; 76; 0;32440
25; 7217.5; 14-MAY-2008 10:12:00; Dark ; 37.5; 81; Eta Cen ; 2.36; 28000;occ; 75; 0;32440
26; 7333.5; 14-MAY-2008 10:13:56; Dark ; 38.5; 54; 5The Cen ; 2.06; 4500;occ; 77; 0;32440
27; 7649.7; 14-MAY-2008 10:19:12; Bright; 36.0; 122; 9Alp2Lib ; 2.75; 9700;occ; 72; 0;32440

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 2; 2125.2; 14-MAY-2008 10:27:44; Bright; 36.0; 138; 47Eps Vir ; 2.83; 4700;occ; 72; 0;32441
 3; 2221.9; 14-MAY-2008 10:29:20; Bright; 37.5; 111; 8Eta Boo ; 2.68; 6000;occ; 75; 0;32441
 4; 2574.2; 14-MAY-2008 10:35:13; Bright; 37.0; 180; 27Gam Boo ; 3.04; 8000;occ; 74; 0;32441
 5; 2745.8; 14-MAY-2008 10:38:04; Bright; 36.0; 39; 85Eta UMa ; 1.85; 24000;occ; 72; 0;32441
 6; 2841.1; 14-MAY-2008 10:39:40; Bright; 35.5; 55; 79Zet UMa ; 2.06; 10200;occ; 71; 0;32441
 7; 3054.5; 14-MAY-2008 10:43:13; Bright; 36.0; 36; 50Alp UMa ; 1.80; 6300;occ; 72; 0;32441
 8; 3185.7; 14-MAY-2008 10:45:24; Bright; 36.0; 60; 7Bet UMi ; 2.08; 3950;occ; 72; 0;32441
 9; 3446.1; 14-MAY-2008 10:49:45; Bright; 32.5; 49; 1Alp UMi ; 1.99; 6300;occ; 65; 0;32441
 10; 3937.7; 14-MAY-2008 10:57:56; Bright; 34.5; 76; 27Gam Cas ; 2.30; 30000;occ; 69; 0;32441
 11; 4011.4; 14-MAY-2008 10:59:10; Bright; 37.0; 68; 18Alp Cas ; 2.22; 4500;occ; 74; 0;32441
 12; 4759.0; 14-MAY-2008 11:11:38; Dark ; 40.0; 140; 88Gam Peg ; 2.83; 26000;occ; 80; 0;32441
 13; 5282.8; 14-MAY-2008 11:20:21; Dark ; 42.0; 52; 16Bet Cet ; 2.04; 4500;occ; 84; 0;32441
 14; 5572.9; 14-MAY-2008 11:25:12; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;32441
 15; 5691.5; 14-MAY-2008 11:27:10; Dark ; 46.0; 84; Alp Phe ; 2.40; 4500;occ; 92; 0;32441
 16; 5930.0; 14-MAY-2008 11:31:09; Dark ; 57.0; 63; Bet Gru ; 2.15; 2800;occ; 114; 0;32441
 17; 6016.7; 14-MAY-2008 11:32:35; Dark ; 41.0; 31; Alp Gru ; 1.73; 15200;occ; 82; 0;32441
 18; 6127.5; 14-MAY-2008 11:34:26; Dark ; 39.5; 148; Alp Tuc ; 2.88; 4100;occ; 79; 0;32441
 19; 6351.1; 14-MAY-2008 11:38:10; Dark ; 41.5; 45; Alp Pav ; 1.94; 26000;occ; 83; 0;32441
 20; 6678.6; 14-MAY-2008 11:43:37; Dark ; 45.0; 43; Alp TrA ; 1.91; 4250;occ; 90; 0;32441
 21; 6809.5; 14-MAY-2008 11:45:48; Dark ; 37.5; 134; Bet TrA ; 2.81; 6600;occ; 75; 0;32441
 22; 6913.1; 14-MAY-2008 11:47:32; Dark ; 44.0; 4; Alp1Cen ; -0.01; 5800;occ; 88; 0;32441
 23; 7127.1; 14-MAY-2008 11:51:06; Dark ; 37.0; 78; Alp Lup ; 2.30; 28000;occ; 74; 0;32441
 24; 7217.6; 14-MAY-2008 11:52:36; Dark ; 37.5; 81; Eta Cen ; 2.36; 28000;occ; 75; 0;32441
 25; 7333.6; 14-MAY-2008 11:54:32; Dark ; 41.0; 54; 5The Cen ; 2.06; 4500;occ; 82; 0;32441

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 2; 1742.2; 14-MAY-2008 12:01:57; Bright; 37.5; 15; 67Alp Vir ; 0.98; 28000;occ; 75; 0;32442
 3; 2125.4; 14-MAY-2008 12:08:20; Bright; 37.0; 138; 47Eps Vir ; 2.83; 4700;occ; 74; 0;32442
 4; 2222.1; 14-MAY-2008 12:09:57; Bright; 35.5; 111; 8Eta Boo ; 2.68; 6000;occ; 71; 0;32442
 5; 2574.1; 14-MAY-2008 12:15:49; Bright; 36.5; 180; 27Gam Boo ; 3.04; 8000;occ; 73; 0;32442
 6; 2745.8; 14-MAY-2008 12:18:40; Bright; 37.0; 39; 85Eta UMa ; 1.85; 24000;occ; 74; 0;32442
 7; 2841.1; 14-MAY-2008 12:20:16; Bright; 52.0; 55; 79Zet UMa ; 2.06; 10200;occ; 104; 0;32442
 8; 3054.8; 14-MAY-2008 12:23:49; Bright; 33.0; 36; 50Alp UMa ; 1.80; 6300;occ; 66; 0;32442
 9; 3185.6; 14-MAY-2008 12:26:00; Bright; 37.5; 60; 7Bet UMi ; 2.08; 3950;occ; 75; 0;32442
 10; 3446.2; 14-MAY-2008 12:30:21; Bright; 33.0; 49; 1Alp UMi ; 1.99; 6300;occ; 66; 0;32442
 11; 3937.7; 14-MAY-2008 12:38:32; Bright; 33.5; 76; 27Gam Cas ; 2.30; 30000;occ; 67; 0;32442
 12; 4011.5; 14-MAY-2008 12:39:46; Bright; 36.0; 68; 18Alp Cas ; 2.22; 4500;occ; 72; 0;32442
 13; 4759.3; 14-MAY-2008 12:52:14; Dark ; 42.0; 140; 88Gam Peg ; 2.83; 26000;occ; 84; 0;32442
 14; 5283.1; 14-MAY-2008 13:00:58; Dark ; 44.0; 52; 16Bet Cet ; 2.04; 4500;occ; 88; 0;32442
 15; 5573.1; 14-MAY-2008 13:05:48; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;32442
 16; 5691.8; 14-MAY-2008 13:07:46; Dark ; 42.0; 84; Alp Phe ; 2.40; 4500;occ; 84; 0;32442
 17; 5930.6; 14-MAY-2008 13:11:45; Dark ; 53.5; 63; Bet Gru ; 2.15; 2800;occ; 107; 0;32442
 18; 6017.4; 14-MAY-2008 13:13:12; Dark ; 35.0; 31; Alp Gru ; 1.73; 15200;occ; 70; 0;32442
 19; 6128.0; 14-MAY-2008 13:15:02; Dark ; 39.0; 148; Alp Tuc ; 2.88; 4100;occ; 78; 0;32442
 20; 6351.8; 14-MAY-2008 13:18:46; Dark ; 40.5; 45; Alp Pav ; 1.94; 26000;occ; 81; 0;32442
 21; 6678.9; 14-MAY-2008 13:24:13; Dark ; 41.5; 43; Alp TrA ; 1.91; 4250;occ; 83; 0;32442
 22; 6809.9; 14-MAY-2008 13:26:24; Dark ; 36.0; 134; Bet TrA ; 2.81; 6600;occ; 72; 0;32442
 23; 6913.4; 14-MAY-2008 13:28:08; Dark ; 43.5; 4; Alp1Cen ; -0.01; 5800;occ; 87; 0;32442
 24; 7127.4; 14-MAY-2008 13:31:42; Dark ; 39.0; 78; Alp Lup ; 2.30; 28000;occ; 78; 0;32442
 25; 7218.0; 14-MAY-2008 13:33:13; Dark ; 37.0; 81; Eta Cen ; 2.36; 28000;occ; 74; 0;32442
 26; 7333.8; 14-MAY-2008 13:35:08; Dark ; 41.0; 54; 5The Cen ; 2.06; 4500;occ; 82; 0;32442

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 2; 1742.4; 14-MAY-2008 13:42:33; Bright; 38.0; 15; 67Alp Vir ; 0.98; 28000;occ; 76; 0;32443
 3; 2125.8; 14-MAY-2008 13:48:56; Bright; 35.0; 138; 47Eps Vir ; 2.83; 4700;occ; 70; 0;32443
 4; 2222.2; 14-MAY-2008 13:50:33; Bright; 34.0; 111; 8Eta Boo ; 2.68; 6000;occ; 68; 0;32443
 5; 2574.0; 14-MAY-2008 13:56:24; Bright; 38.0; 180; 27Gam Boo ; 3.04; 8000;occ; 76; 0;32443
 6; 2745.8; 14-MAY-2008 13:59:16; Bright; 36.5; 39; 85Eta UMa ; 1.85; 24000;occ; 73; 0;32443
 7; 2841.3; 14-MAY-2008 14:00:52; Bright; 35.0; 55; 79Zet UMa ; 2.06; 10200;occ; 70; 0;32443
 8; 3055.3; 14-MAY-2008 14:04:26; Bright; 33.0; 36; 50Alp UMa ; 1.80; 6300;occ; 66; 0;32443
 9; 3185.6; 14-MAY-2008 14:06:36; Bright; 36.5; 60; 7Bet UMi ; 2.08; 3950;occ; 73; 0;32443
 10; 3446.2; 14-MAY-2008 14:10:57; Bright; 33.5; 49; 1Alp UMi ; 1.99; 6300;occ; 67; 0;32443
 11; 3937.8; 14-MAY-2008 14:19:08; Bright; 53.0; 76; 27Gam Cas ; 2.30; 30000;occ; 106; 0;32443
 12; 4011.6; 14-MAY-2008 14:20:22; Bright; 33.5; 68; 18Alp Cas ; 2.22; 4500;occ; 67; 0;32443
 13; 4760.0; 14-MAY-2008 14:32:50; Dark ; 42.0; 140; 88Gam Peg ; 2.83; 26000;occ; 84; 0;32443
 14; 5283.5; 14-MAY-2008 14:41:34; Dark ; 42.0; 52; 16Bet Cet ; 2.04; 4500;occ; 84; 0;32443

15; 5573.3; 14-MAY-2008 14:46:24; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;32443
 16; 5692.3; 14-MAY-2008 14:48:23; Dark ; 41.0; 84; Alp Phe ; 2.40; 4500;occ; 82; 0;32443
 17; 5931.3; 14-MAY-2008 14:52:22; Dark ; 57.0; 63; Bet Gru ; 2.15; 2800;occ; 114; 0;32443
 18; 6018.2; 14-MAY-2008 14:53:49; Dark ; 35.0; 31; Alp Gru ; 1.73; 15200;occ; 70; 0;32443
 19; 6128.5; 14-MAY-2008 14:55:39; Dark ; 40.0; 148; Alp Tuc ; 2.88; 4100;occ; 80; 0;32443
 20; 6352.5; 14-MAY-2008 14:59:23; Dark ; 42.0; 45; Alp Pav ; 1.94; 26000;occ; 84; 0;32443
 21; 6679.2; 14-MAY-2008 15:04:50; Dark ; 40.0; 43; Alp TrA ; 1.91; 4250;occ; 80; 0;32443
 22; 6810.2; 14-MAY-2008 15:07:01; Dark ; 36.5; 134; Bet TrA ; 2.81; 6600;occ; 73; 0;32443
 23; 6913.7; 14-MAY-2008 15:08:44; Dark ; 45.5; 4; Alp1Cen ; -0.01; 5800;occ; 91; 0;32443
 24; 7127.6; 14-MAY-2008 15:12:18; Dark ; 37.5; 78; Alp Lup ; 2.30; 28000;occ; 75; 0;32443
 25; 7218.2; 14-MAY-2008 15:13:49; Dark ; 36.5; 81; Eta Cen ; 2.36; 28000;occ; 73; 0;32443
 26; 7334.1; 14-MAY-2008 15:15:44; Dark ; 42.0; 54; 5The Cen ; 2.06; 4500;occ; 84; 0;32443

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 2; 1614.3; 14-MAY-2008 15:21:01; Bright; 37.0; 122; 9Alp2Lib ; 2.75; 9700;occ; 74; 0;32444
 3; 1742.6; 14-MAY-2008 15:23:09; Bright; 37.5; 15; 67Alp Vir ; 0.98; 28000;occ; 75; 0;32444
 4; 2125.9; 14-MAY-2008 15:29:32; Bright; 34.5; 138; 47Eps Vir ; 2.83; 4700;occ; 69; 0;32444
 5; 2222.3; 14-MAY-2008 15:31:09; Bright; 34.5; 111; 8Eta Boo ; 2.68; 6000;occ; 69; 0;32444
 6; 2573.8; 14-MAY-2008 15:37:00; Bright; 37.0; 180; 27Gam Boo ; 3.04; 8000;occ; 74; 0;32444
 7; 2745.8; 14-MAY-2008 15:39:52; Bright; 33.5; 39; 85Eta UMa ; 1.85; 24000;occ; 67; 0;32444
 8; 2841.3; 14-MAY-2008 15:41:28; Bright; 33.0; 55; 79Zet UMa ; 2.06; 10200;occ; 66; 0;32444
 9; 3185.4; 14-MAY-2008 15:47:12; Bright; 37.0; 60; 7Bet UMi ; 2.08; 3950;occ; 74; 0;32444
 10; 3446.3; 14-MAY-2008 15:51:33; Bright; 35.5; 49; 1Alp UMi ; 1.99; 6300;occ; 71; 0;32444
 11; 3937.8; 14-MAY-2008 15:59:44; Bright; 34.5; 76; 27Gam Cas ; 2.30; 30000;occ; 69; 0;32444
 12; 4011.5; 14-MAY-2008 16:00:58; Bright; 41.0; 68; 18Alp Cas ; 2.22; 4500;occ; 82; 0;32444
 13; 4760.0; 14-MAY-2008 16:13:26; Dark ; 42.5; 140; 88Gam Peg ; 2.83; 26000;occ; 85; 0;32444
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 16; 5940.1; 15-MAY-2008 14:20:54; Dark ; 57.0; 63; Bet Gru ; 2.15; 2800;occ; 114; 0;32457
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 13; 4764.3; 15-MAY-2008 17:22:30; Dark ; 38.0; 140; 88Gam Peg ; 2.83; 26000;occ; 76; 0;32459
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 6; 2129.7; 15-MAY-2008 18:19:11; Bright; 35.5; 138; 47Eps Vir ; 2.83; 4700;occ; 71; 0;32460
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 8; 2570.9; 15-MAY-2008 18:26:32; Bright; 37.5; 180; 27Gam Boo ; 3.04; 8000;occ; 75; 0;32460
 9; 2745.5; 15-MAY-2008 18:29:27; Bright; 37.5; 39; 85Eta UMa ; 1.85; 24000;occ; 75; 0;32460
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 13; 3938.0; 15-MAY-2008 18:49:19; Bright; 53.0; 76; 27Gam Cas ; 2.30; 30000;occ; 106; 0;32460
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 16; 5576.9; 15-MAY-2008 19:16:38; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;32460
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 19; 6136.6; 15-MAY-2008 19:25:58; Dark ; 40.0; 148; Alp Tuc ; 2.88; 4100;occ; 80; 0;32460
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 22; 6814.8; 15-MAY-2008 19:37:16; Dark ; 37.0; 134; Bet TrA ; 2.81; 6600;occ; 74; 0;32460
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 7; 779.6; 16-MAY-2008 00:39:05; Dark ; 36.5; 134; Bet TrA ; 2.81; 6600;occ; 73; 0;32464
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18; 2223.5; 16-MAY-2008 06:04:56; Bright; 33.5; 111; 8Eta Boo ; 2.68; 6000;occ; 67; 0;32467
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 5; 108.4; 16-MAY-2008 22:15:41; Dark ; 39.5; 148; Alp Tuc ; 2.88; 4100;occ; 79; 0;32477
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 8; 783.1; 16-MAY-2008 22:26:55; Dark ; 37.0; 134; Bet TrA ; 2.81; 6600;occ; 74; 0;32477
 9; 883.3; 16-MAY-2008 22:28:35; Dark ; 50.0; 4; Alp1Cen ; -0.01; 5800;occ; 100; 0;32477
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 11; 1188.9; 16-MAY-2008 22:33:41; Dark ; 39.0; 81; Eta Cen ; 2.36; 28000;occ; 78; 0;32477
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 17; 2745.5; 16-MAY-2008 22:59:38; Bright; 35.5; 39; 85Eta UMa ; 1.85; 24000;occ; 71; 0;32477
 18; 2842.9; 16-MAY-2008 23:01:15; Bright; 33.0; 55; 79Zet UMa ; 2.06; 10200;occ; 66; 0;32477
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 5; 108.8; 16-MAY-2008 23:56:17; Dark ; 38.5; 148; Alp Tuc ; 2.88; 4100;occ; 77; 0;32478
 6; 340.4; 17-MAY-2008 00:00:08; Dark ; 40.5; 45; Alp Pav ; 1.94; 26000;occ; 81; 0;32478
 7; 653.4; 17-MAY-2008 00:05:21; Dark ; 38.0; 43; Alp TrA ; 1.91; 4250;occ; 76; 0;32478
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 9; 883.5; 17-MAY-2008 00:09:11; Dark ; 47.5; 4; Alp1Cen ; -0.01; 5800;occ; 95; 0;32478
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 19; 3181.0; 17-MAY-2008 00:47:29; Bright; 37.5; 60; 7Bet UMi ; 2.08; 3950;occ; 75; 0;32478
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 7; 104.1; 16-MAY-2008 07:10:13; Dark ; 46.0; 148; Alp Tuc ; 2.88; 4100;occ; 92; 0;32468
 8; 333.5; 16-MAY-2008 07:14:02; Dark ; 41.5; 45; Alp Pav ; 1.94; 26000;occ; 83; 0;32468
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12; 1096.9; 16-MAY-2008 07:26:46; Dark ; 37.5; 78; Alp Lup ; 2.30; 28000;occ; 75; 0;32468
13; 1187.3; 16-MAY-2008 07:28:16; Dark ; 37.5; 81; Eta Cen ; 2.36; 28000;occ; 75; 0;32468
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21; 6808.0; 17-MAY-2008 13:32:08; Dark ; 42.0; 141; Bet Ara ; 2.84; 4600;occ; 84; 0;32485
22; 6965.2; 17-MAY-2008 13:34:45; Dark ; 48.5; 40; The Sco ; 1.86; 7100;occ; 97; 0;32485
23; 7077.1; 17-MAY-2008 13:36:37; Dark ; 35.0; 25; 35Lam Sco ; 1.62; 28000;occ; 70; 0;32485
24; 7212.8; 17-MAY-2008 13:38:52; Dark ; 49.5; 75; 26Eps Sco ; 2.29; 4250;occ; 99; 0;32485
25; 7394.8; 17-MAY-2008 13:41:54; Dark ; 58.0; 16; 21Alp Sco ; 1.02; 3000;occ; 116; 0;32485
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 13; 4772.4; 17-MAY-2008 14:38:48; Dark ; 42.0; 140; 88Gam Peg ; 2.83; 26000;occ; 84; 0;32486
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 24; 7213.3; 17-MAY-2008 15:19:29; Dark ; 47.5; 75; 26Eps Sco ; 2.29; 4250;occ; 95; 0;32486
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 6; 2234.5; 17-MAY-2008 15:37:06; Bright; 35.0; 3; 16Alp Boo ; -0.05; 4250;occ; 70; 0;32487
 7; 2378.4; 17-MAY-2008 15:39:30; Bright; 37.0; 83; ; 2.38; 11000;occ; 74; 0;32487
 8; 2567.1; 17-MAY-2008 15:42:38; Bright; 36.5; 180; 27Gam Boo ; 3.04; 8000;occ; 73; 0;32487
 9; 2745.6; 17-MAY-2008 15:45:37; Bright; 35.5; 39; 85Eta UMa ; 1.85; 24000;occ; 71; 0;32487
 10; 3079.6; 17-MAY-2008 15:51:11; Bright; 40.0; 119; 14Eta Dra ; 2.73; 4700;occ; 80; 0;32487
 11; 3180.2; 17-MAY-2008 15:52:51; Bright; 33.5; 60; 7Bet UMi ; 2.08; 3950;occ; 67; 0;32487
 12; 3446.4; 17-MAY-2008 15:57:18; Bright; 35.5; 49; 1Alp UMi ; 1.99; 6300;occ; 71; 0;32487
 13; 3938.4; 17-MAY-2008 16:05:30; Bright; 40.0; 76; 27Gam Cas ; 2.30; 30000;occ; 80; 0;32487
 14; 4011.8; 17-MAY-2008 16:06:43; Bright; 36.0; 68; 18Alp Cas ; 2.22; 4500;occ; 72; 0;32487
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 17; 5297.7; 17-MAY-2008 16:28:09; Dark ; 42.0; 52; 16Bet Cet ; 2.04; 4500;occ; 84; 0;32487
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 21; 6052.1; 17-MAY-2008 16:40:43; Dark ; 44.5; 31; Alp Gru ; 1.73; 15200;occ; 89; 0;32487
 22; 6149.9; 17-MAY-2008 16:42:21; Dark ; 39.5; 148; Alp Tuc ; 2.88; 4100;occ; 79; 0;32487
 23; 6383.6; 17-MAY-2008 16:46:15; Dark ; 41.0; 45; Alp Pav ; 1.94; 26000;occ; 82; 0;32487
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 26; 7078.4; 17-MAY-2008 16:57:50; Dark ; 38.0; 25; 35Lam Sco ; 1.62; 28000;occ; 76; 0;32487
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 23; 6150.4; 17-MAY-2008 18:22:58; Dark ; 38.5; 148; Alp Tuc ; 2.88; 4100;occ; 77; 0;32488
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 22; 5812.4; 17-MAY-2008 19:57:56; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;32489
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 26; 6385.0; 17-MAY-2008 20:07:28; Dark ; 41.5; 45; Alp Pav ; 1.94; 26000;occ; 83; 0;32489
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 16; 2038.7; 18-MAY-2008 01:37:26; Bright; 42.5; 102; 24Alp Ser ; 2.60; 4250;occ; 85; 0;32493
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 20; 2745.6; 18-MAY-2008 01:49:13; Bright; 33.5; 39; 85Eta UMa ; 1.85; 24000;occ; 67; 0;32493
 21; 3076.8; 18-MAY-2008 01:54:44; Bright; 39.5; 119; 14Eta Dra ; 2.73; 4700;occ; 79; 0;32493
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11; 351.9; 18-MAY-2008 02:49:55; Dark ; 42.0; 45; Alp Pav ; 1.94; 26000;occ; 84; 0;32494
12; 776.1; 18-MAY-2008 02:56:59; Dark ; 42.5; 141; Bet Ara ; 2.84; 4600;occ; 85; 0;32494
13; 934.3; 18-MAY-2008 02:59:37; Dark ; 51.0; 40; The Sco ; 1.86; 7100;occ; 102; 0;32494
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4; 2376.7; 18-MAY-2008 11:46:39; Bright; 38.0; 83; ; 2.38; 11000;occ; 76; 0;32499
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6; 2745.8; 18-MAY-2008 11:52:48; Bright; 36.0; 39; 85Eta UMa ; 1.85; 24000;occ; 72; 0;32499
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11; 784.3; 19-MAY-2008 07:27:18; Dark ; 42.5; 141; Bet Ara ; 2.84; 4600;occ; 85; 0;32511

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 9; 3938.0; 19-MAY-2008 11:41:04; Bright; 43.0; 76; 27Gam Cas ; 2.30; 30000;occ; 86; 0;32513
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12; 4781.1; 19-MAY-2008 11:55:07; Dark ; 43.0; 140; 88Gam Peg ; 2.83; 26000;occ; 86; 0;32513

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13; 3065.8; 19-MAY-2008 19:49:31; Bright; 41.0; 119; 14Eta Dra ; 2.73; 4700;occ; 82; 0;32518
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 9; 1062.4; 20-MAY-2008 01:58:31; Dark ; 51.0; 25; 35Lam Sco ; 1.62; 28000;occ; 102; 0;32522
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 12; 1517.9; 20-MAY-2008 02:06:07; Bright; 43.0; 97; 8Bet1Sco ; 2.56; 30000;occ; 86; 0;32522
 13; 1624.6; 20-MAY-2008 02:07:54; Bright; 36.5; 122; 9Alp2Lib ; 2.75; 9700;occ; 73; 0;32522
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 17; 2373.9; 20-MAY-2008 02:20:23; Bright; 39.0; 83; ; 2.38; 11000;occ; 78; 0;32522
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 9; 44.0; 20-MAY-2008 03:22:09; Dark ; 43.0; 31; Alp Gru ; 1.73; 15200;occ; 86; 0;32523
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 13; 1063.2; 20-MAY-2008 03:39:08; Dark ; 53.0; 25; 35Lam Sco ; 1.62; 28000;occ; 106; 0;32523
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23; 2746.9; 20-MAY-2008 05:47:48; Bright; 36.5; 39; 85Eta UMa ; 1.85; 24000;occ; 73; 0;32524
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26; 3446.7; 20-MAY-2008 05:59:28; Bright; 35.5; 49; 1Alp UMi ; 1.99; 6300;occ; 71; 0;32524
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 21; 6413.2; 20-MAY-2008 15:11:54; Dark ; 40.5; 45; Alp Pav ; 1.94; 26000;occ; 81; 0;32529
 22; 6829.3; 20-MAY-2008 15:18:50; Dark ; 44.0; 141; Bet Ara ; 2.84; 4600;occ; 88; 0;32529
 23; 6991.7; 20-MAY-2008 15:21:32; Dark ; 50.0; 40; The Sco ; 1.86; 7100;occ; 100; 0;32529
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 26; 7407.4; 20-MAY-2008 15:28:28; Dark ; 18.0; 16; 21Alp Sco ; 1.02; 3000;occ; 36; 0;32529

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 23; 6829.7; 20-MAY-2008 16:59:26; Dark ; 41.0; 141; Bet Ara ; 2.84; 4600;occ; 82; 0;32530
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 12; 3175.7; 20-MAY-2008 17:39:08; Bright; 35.0; 60; 7Bet UMi ; 2.08; 3950;occ; 70; 0;32531
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18; 4787.8; 20-MAY-2008 19:46:36; Dark ; 44.5; 140; 88Gam Peg ; 2.83; 26000;occ; 89; 0;32532
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8; 959.1; 21-MAY-2008 01:25:11; Dark ; 50.0; 40; The Sco ; 1.86; 7100;occ; 100; 0;32536
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24; 3051.5; 22-MAY-2008 06:30:14; Bright; 40.0; 119; 14Eta Dra ; 2.73; 4700;occ; 80; 0;32553
25; 3173.6; 22-MAY-2008 06:32:16; Bright; 37.5; 60; 7Bet UMi ; 2.08; 3950;occ; 75; 0;32553
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22; 3937.1; 22-MAY-2008 23:30:59; Bright; 35.0; 76; 27Gam Cas ; 2.30; 30000;occ; 70; 0;32563
23; 4009.3; 22-MAY-2008 23:32:11; Bright; 36.5; 68; 18Alp Cas ; 2.22; 4500;occ; 73; 0;32563
24; 4532.5; 22-MAY-2008 23:40:55; Dark ; 48.0; 58; 21Alp And ; 2.07; 11000;occ; 96; 0;32563
25; 4798.6; 22-MAY-2008 23:45:21; Dark ; 46.0; 140; 88Gam Peg ; 2.83; 26000;occ; 92; 0;32563
26; 5327.2; 22-MAY-2008 23:54:09; Dark ; 9.5; 52; 16Bet Cet ; 2.04; 4500;occ; 19; 0;32563
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2; -186.0; 23-MAY-2008 00:02:52; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;32563
3; -22.4; 23-MAY-2008 00:05:36; Dark ; 47.0; 63; Bet Gru ; 2.15; 2800;occ; 94; 0;32563
4; 68.7; 23-MAY-2008 00:07:07; Dark ; 31.0; 172; Gam Gru ; 3.00; 13100;occ; 62; 0;32564
5; 152.6; 23-MAY-2008 00:08:31; Dark ; 41.5; 148; Alp Tuc ; 2.88; 4100;occ; 83; 0;32564
6; 401.1; 23-MAY-2008 00:12:39; Dark ; 41.5; 45; Alp Pav ; 1.94; 26000;occ; 83; 0;32564
7; 808.6; 23-MAY-2008 00:19:27; Dark ; 48.5; 141; Bet Ara ; 2.84; 4600;occ; 97; 0;32564
8; 974.7; 23-MAY-2008 00:22:13; Dark ; 48.5; 40; The Sco ; 1.86; 7100;occ; 97; 0;32564
9; 1085.5; 23-MAY-2008 00:24:03; Dark ; 51.5; 25; 35Lam Sco ; 1.62; 28000;occ; 103; 0;32564
10; 1208.6; 23-MAY-2008 00:26:07; Dark ; 49.5; 75; 26Eps Sco ; 2.29; 4250;occ; 99; 0;32564
11; 1380.4; 23-MAY-2008 00:28:58; Dark ; 60.0; 16; 21Alp Sco ; 1.02; 3000;occ; 120; 0;32564
12; 1524.5; 23-MAY-2008 00:31:22; Bright; 42.0; 97; 8Bet1Sco ; 2.56; 30000;occ; 84; 0;32564
13; 1630.6; 23-MAY-2008 00:33:09; Bright; 35.0; 122; 9Alp2Lib ; 2.75; 9700;occ; 70; 0;32564
14; 1734.4; 23-MAY-2008 00:34:52; Bright; 37.0; 104; 27Bet Lib ; 2.61; 13100;occ; 74; 0;32564
15; 1840.8; 23-MAY-2008 00:36:39; Bright; 44.0; 120; 1Del Oph ; 2.73; 3200;occ; 88; 0;32564
16; 2025.4; 23-MAY-2008 00:39:43; Bright; 39.5; 102; 24Alp Ser ; 2.60; 4250;occ; 79; 0;32564
17; 2370.5; 23-MAY-2008 00:45:28; Bright; 35.5; 83; ; 2.38; 11000;occ; 71; 0;32564
18; 2560.4; 23-MAY-2008 00:48:38; Bright; 35.5; 180; 27Gam Boo ; 3.04; 8000;occ; 71; 0;32564
19; 3047.1; 23-MAY-2008 00:56:45; Bright; 38.5; 119; 14Eta Dra ; 2.73; 4700;occ; 77; 0;32564
20; 3172.7; 23-MAY-2008 00:58:51; Bright; 37.5; 60; 7Bet UMi ; 2.08; 3950;occ; 75; 0;32564
21; 3446.7; 23-MAY-2008 01:03:25; Bright; 34.5; 49; 1Alp UMi ; 1.99; 6300;occ; 69; 0;32564
22; 3937.1; 23-MAY-2008 01:11:35; Bright; 42.5; 76; 27Gam Cas ; 2.30; 30000;occ; 85; 0;32564

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24; 4380.7; 23-MAY-2008 01:18:59; Bright; 37.0; 53; 43Bet And ; 2.05; 3300;occ; 74; 0;32564
25; 4532.6; 23-MAY-2008 01:21:31; Dark ; 47.0; 58; 21Alp And ; 2.07; 11000;occ; 94; 0;32564
26; 4798.9; 23-MAY-2008 01:25:57; Dark ; 44.5; 140; 88Gam Peg ; 2.83; 26000;occ; 89; 0;32564
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 2; 1733.7; 22-MAY-2008 12:50:40; Bright; 38.0; 104; 27Bet Lib ; 2.61; 13100;occ; 76; 0;32557
 3; 1841.7; 22-MAY-2008 12:52:28; Bright; 44.0; 120; 1Del Oph ; 2.73; 3200;occ; 88; 0;32557
 4; 2026.5; 22-MAY-2008 12:55:33; Bright; 39.0; 102; 24Alp Ser ; 2.60; 4250;occ; 78; 0;32557
 5; 2237.5; 22-MAY-2008 12:59:04; Bright; 34.5; 3; 16Alp Boo ; -0.05; 4250;occ; 69; 0;32557
 6; 2371.0; 22-MAY-2008 13:01:17; Bright; 34.5; 83; ; 2.38; 11000;occ; 69; 0;32557
 7; 2560.9; 22-MAY-2008 13:04:27; Bright; 33.5; 180; 27Gam Boo ; 3.04; 8000;occ; 67; 0;32557
 8; 3050.0; 22-MAY-2008 13:12:36; Bright; 40.0; 119; 14Eta Dra ; 2.73; 4700;occ; 80; 0;32557
 9; 3173.3; 22-MAY-2008 13:14:40; Bright; 37.0; 60; 7Bet UMi ; 2.08; 3950;occ; 74; 0;32557
10; 3446.8; 22-MAY-2008 13:19:13; Bright; 34.5; 49; 1Alp UMi ; 1.99; 6300;occ; 69; 0;32557
11; 3937.5; 22-MAY-2008 13:27:24; Bright; 35.0; 76; 27Gam Cas ; 2.30; 30000;occ; 70; 0;32557
12; 4009.7; 22-MAY-2008 13:28:36; Bright; 35.5; 68; 18Alp Cas ; 2.22; 4500;occ; 71; 0;32557
13; 4531.4; 22-MAY-2008 13:37:18; Dark ; 43.0; 58; 21Alp And ; 2.07; 11000;occ; 86; 0;32557
14; 4796.5; 22-MAY-2008 13:41:43; Dark ; 44.5; 140; 88Gam Peg ; 2.83; 26000;occ; 89; 0;32557
15; 5324.7; 22-MAY-2008 13:50:31; Dark ; 45.0; 52; 16Bet Cet ; 2.04; 4500;occ; 90; 0;32557
16; 5846.7; 22-MAY-2008 13:59:13; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;32557
17; 6009.2; 22-MAY-2008 14:01:56; Dark ; 56.0; 63; Bet Gru ; 2.15; 2800;occ; 112; 0;32557
18; 6097.6; 22-MAY-2008 14:03:24; Dark ; 42.0; 172; Gam Gru ; 3.00; 13100;occ; 84; 0;32557
19; 6185.6; 22-MAY-2008 14:04:52; Dark ; 40.0; 148; Alp Tuc ; 2.88; 4100;occ; 80; 0;32557
20; 6433.0; 22-MAY-2008 14:08:59; Dark ; 39.5; 45; Alp Pav ; 1.94; 26000;occ; 79; 0;32557
21; 6842.0; 22-MAY-2008 14:15:48; Dark ; 41.5; 141; Bet Ara ; 2.84; 4600;occ; 83; 0;32557
22; 7007.5; 22-MAY-2008 14:18:34; Dark ; 49.5; 40; The Sco ; 1.86; 7100;occ; 99; 0;32557
23; 7118.3; 22-MAY-2008 14:20:25; Dark ; 47.0; 25; 35Lam Sco ; 1.62; 28000;occ; 94; 0;32557
24; 7242.3; 22-MAY-2008 14:22:29; Dark ; 48.5; 75; 26Eps Sco ; 2.29; 4250;occ; 97; 0;32557
25; 7414.9; 22-MAY-2008 14:25:21; Dark ; 57.0; 16; 21Alp Sco ; 1.02; 3000;occ; 114; 0;32557
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 2; 1629.8; 22-MAY-2008 14:29:32; Bright; 36.0; 122; 9Alp2Lib ; 2.75; 9700;occ; 72; 0;32558
 3; 1734.0; 22-MAY-2008 14:31:16; Bright; 36.0; 104; 27Bet Lib ; 2.61; 13100;occ; 72; 0;32558
 4; 1841.7; 22-MAY-2008 14:33:04; Bright; 45.0; 120; 1Del Oph ; 2.73; 3200;occ; 90; 0;32558
 5; 2026.5; 22-MAY-2008 14:36:09; Bright; 39.5; 102; 24Alp Ser ; 2.60; 4250;occ; 79; 0;32558
 6; 2370.9; 22-MAY-2008 14:41:53; Bright; 37.0; 83; ; 2.38; 11000;occ; 74; 0;32558
 7; 2560.8; 22-MAY-2008 14:45:03; Bright; 35.5; 180; 27Gam Boo ; 3.04; 8000;occ; 71; 0;32558
 8; 3049.6; 22-MAY-2008 14:53:12; Bright; 39.5; 119; 14Eta Dra ; 2.73; 4700;occ; 79; 0;32558
 9; 3173.3; 22-MAY-2008 14:55:16; Bright; 37.5; 60; 7Bet UMi ; 2.08; 3950;occ; 75; 0;32558
10; 3446.8; 22-MAY-2008 14:59:49; Bright; 33.0; 49; 1Alp UMi ; 1.99; 6300;occ; 66; 0;32558
11; 3937.5; 22-MAY-2008 15:08:00; Bright; 54.0; 76; 27Gam Cas ; 2.30; 30000;occ; 108; 0;32558
12; 4009.7; 22-MAY-2008 15:09:12; Bright; 38.0; 68; 18Alp Cas ; 2.22; 4500;occ; 76; 0;32558
13; 4531.9; 22-MAY-2008 15:17:54; Dark ; 44.0; 58; 21Alp And ; 2.07; 11000;occ; 88; 0;32558
14; 4797.1; 22-MAY-2008 15:22:19; Dark ; 45.5; 140; 88Gam Peg ; 2.83; 26000;occ; 91; 0;32558
15; 5325.3; 22-MAY-2008 15:31:08; Dark ; 44.0; 52; 16Bet Cet ; 2.04; 4500;occ; 88; 0;32558
16; 5847.3; 22-MAY-2008 15:39:50; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;32558
17; 6009.9; 22-MAY-2008 15:42:32; Dark ; 51.0; 63; Bet Gru ; 2.15; 2800;occ; 102; 0;32558
18; 6098.8; 22-MAY-2008 15:44:01; Dark ; 39.0; 172; Gam Gru ; 3.00; 13100;occ; 78; 0;32558
19; 6186.2; 22-MAY-2008 15:45:29; Dark ; 39.5; 148; Alp Tuc ; 2.88; 4100;occ; 79; 0;32558
20; 6433.7; 22-MAY-2008 15:49:36; Dark ; 41.0; 45; Alp Pav ; 1.94; 26000;occ; 82; 0;32558
21; 6842.5; 22-MAY-2008 15:56:25; Dark ; 40.0; 141; Bet Ara ; 2.84; 4600;occ; 80; 0;32558
22; 7008.1; 22-MAY-2008 15:59:10; Dark ; 44.0; 40; The Sco ; 1.86; 7100;occ; 88; 0;32558
23; 7119.0; 22-MAY-2008 16:01:01; Dark ; 48.0; 25; 35Lam Sco ; 1.62; 28000;occ; 96; 0;32558
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 3; 1630.0; 22-MAY-2008 16:10:08; Bright; 36.5; 122; 9Alp2Lib ; 2.75; 9700;occ; 73; 0;32559
 4; 1734.0; 22-MAY-2008 16:11:52; Bright; 37.0; 104; 27Bet Lib ; 2.61; 13100;occ; 74; 0;32559
 5; 1841.4; 22-MAY-2008 16:13:40; Bright; 45.5; 120; 1Del Oph ; 2.73; 3200;occ; 91; 0;32559
 6; 2026.3; 22-MAY-2008 16:16:45; Bright; 39.5; 102; 24Alp Ser ; 2.60; 4250;occ; 79; 0;32559
 7; 2370.8; 22-MAY-2008 16:22:29; Bright; 36.0; 83; ; 2.38; 11000;occ; 72; 0;32559
 8; 2560.8; 22-MAY-2008 16:25:39; Bright; 34.5; 180; 27Gam Boo ; 3.04; 8000;occ; 69; 0;32559
 9; 3049.2; 22-MAY-2008 16:33:47; Bright; 40.0; 119; 14Eta Dra ; 2.73; 4700;occ; 80; 0;32559
10; 3173.2; 22-MAY-2008 16:35:51; Bright; 37.5; 60; 7Bet UMi ; 2.08; 3950;occ; 75; 0;32559
11; 3446.8; 22-MAY-2008 16:40:25; Bright; 36.0; 49; 1Alp UMi ; 1.99; 6300;occ; 72; 0;32559

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 13; 4009.6; 22-MAY-2008 16:49:48; Bright; 55.0; 68; 18Alp Cas ; 2.22; 4500;occ; 110; 0;32559
 14; 4532.0; 22-MAY-2008 16:58:30; Dark ; 48.0; 58; 21Alp And ; 2.07; 11000;occ; 96; 0;32559
 15; 4797.3; 22-MAY-2008 17:02:56; Dark ; 45.0; 140; 88Gam Peg ; 2.83; 26000;occ; 90; 0;32559
 16; 5325.6; 22-MAY-2008 17:11:44; Dark ; 46.5; 52; 16Bet Cet ; 2.04; 4500;occ; 93; 0;32559
 17; 5847.8; 22-MAY-2008 17:20:26; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;32559
 18; 6010.7; 22-MAY-2008 17:23:09; Dark ; 59.0; 63; Bet Gru ; 2.15; 2800;occ; 118; 0;32559
 19; 6099.9; 22-MAY-2008 17:24:38; Dark ; 39.0; 172; Gam Gru ; 3.00; 13100;occ; 78; 0;32559
 20; 6186.7; 22-MAY-2008 17:26:05; Dark ; 40.0; 148; Alp Tuc ; 2.88; 4100;occ; 80; 0;32559
 21; 6434.5; 22-MAY-2008 17:30:13; Dark ; 41.5; 45; Alp Pav ; 1.94; 26000;occ; 83; 0;32559
 22; 6843.0; 22-MAY-2008 17:37:01; Dark ; 39.5; 141; Bet Ara ; 2.84; 4600;occ; 79; 0;32559
 23; 7008.7; 22-MAY-2008 17:39:47; Dark ; 50.0; 40; The Sco ; 1.86; 7100;occ; 100; 0;32559

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 3; 1207.1; 22-MAY-2008 17:43:41; Dark ; 49.5; 75; 26Eps Sco ; 2.29; 4250;occ; 99; 0;32560
 4; 1379.5; 22-MAY-2008 17:46:34; Dark ; 60.0; 16; 21Alp Sco ; 1.02; 3000;occ; 120; 0;32560
 5; 1524.0; 22-MAY-2008 17:48:58; Bright; 43.5; 97; 8Bet1Sco ; 2.56; 30000;occ; 87; 0;32560
 6; 1629.9; 22-MAY-2008 17:50:44; Bright; 37.0; 122; 9Alp2Lib ; 2.75; 9700;occ; 74; 0;32560
 7; 1734.1; 22-MAY-2008 17:52:28; Bright; 37.0; 104; 27Bet Lib ; 2.61; 13100;occ; 74; 0;32560
 8; 1841.3; 22-MAY-2008 17:54:16; Bright; 45.0; 120; 1Del Oph ; 2.73; 3200;occ; 90; 0;32560
 9; 2026.1; 22-MAY-2008 17:57:20; Bright; 40.5; 102; 24Alp Ser ; 2.60; 4250;occ; 81; 0;32560
 10; 2370.8; 22-MAY-2008 18:03:05; Bright; 34.5; 83; ; 2.38; 11000;occ; 69; 0;32560
 11; 2560.6; 22-MAY-2008 18:06:15; Bright; 36.5; 180; 27Gam Boo ; 3.04; 8000;occ; 73; 0;32560
 12; 3048.8; 22-MAY-2008 18:14:23; Bright; 38.5; 119; 14Eta Dra ; 2.73; 4700;occ; 77; 0;32560
 13; 3173.1; 22-MAY-2008 18:16:27; Bright; 37.0; 60; 7Bet UMi ; 2.08; 3950;occ; 74; 0;32560
 14; 3446.8; 22-MAY-2008 18:21:01; Bright; 36.0; 49; 1Alp UMi ; 1.99; 6300;occ; 72; 0;32560
 15; 3937.4; 22-MAY-2008 18:29:12; Bright; 45.0; 76; 27Gam Cas ; 2.30; 30000;occ; 90; 0;32560
 16; 4009.6; 22-MAY-2008 18:30:24; Bright; 37.0; 68; 18Alp Cas ; 2.22; 4500;occ; 74; 0;32560
 17; 4532.1; 22-MAY-2008 18:39:06; Dark ; 47.5; 58; 21Alp And ; 2.07; 11000;occ; 95; 0;32560
 18; 4797.6; 22-MAY-2008 18:43:32; Dark ; 44.0; 140; 88Gam Peg ; 2.83; 26000;occ; 88; 0;32560
 19; 5326.0; 22-MAY-2008 18:52:20; Dark ; 46.0; 52; 16Bet Cet ; 2.04; 4500;occ; 92; 0;32560
 20; 5848.4; 22-MAY-2008 19:01:03; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;32560
 21; 6011.4; 22-MAY-2008 19:03:46; Dark ; 50.0; 63; Bet Gru ; 2.15; 2800;occ; 100; 0;32560
 22; 6101.1; 22-MAY-2008 19:05:15; Dark ; 35.0; 172; Gam Gru ; 3.00; 13100;occ; 70; 0;32560
 23; 6187.2; 22-MAY-2008 19:06:41; Dark ; 40.5; 148; Alp Tuc ; 2.88; 4100;occ; 81; 0;32560
 24; 6435.1; 22-MAY-2008 19:10:49; Dark ; 42.5; 45; Alp Pav ; 1.94; 26000;occ; 85; 0;32560
 25; 6843.4; 22-MAY-2008 19:17:38; Dark ; 40.5; 141; Bet Ara ; 2.84; 4600;occ; 81; 0;32560
 26; 7009.1; 22-MAY-2008 19:20:23; Dark ; 48.0; 40; The Sco ; 1.86; 7100;occ; 96; 0;32560

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 2; 1084.0; 22-MAY-2008 19:22:14; Dark ; 51.5; 25; 35Lam Sco ; 1.62; 28000;occ; 103; 0;32561
 3; 1207.5; 22-MAY-2008 19:24:18; Dark ; 50.5; 75; 26Eps Sco ; 2.29; 4250;occ; 101; 0;32561
 4; 1379.7; 22-MAY-2008 19:27:10; Dark ; 60.0; 16; 21Alp Sco ; 1.02; 3000;occ; 120; 0;32561
 5; 1524.1; 22-MAY-2008 19:29:34; Bright; 42.0; 97; 8Bet1Sco ; 2.56; 30000;occ; 84; 0;32561
 6; 1630.1; 22-MAY-2008 19:31:20; Bright; 36.5; 122; 9Alp2Lib ; 2.75; 9700;occ; 73; 0;32561
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 10; 2370.8; 22-MAY-2008 19:43:41; Bright; 36.0; 83; ; 2.38; 11000;occ; 72; 0;32561
 11; 2560.5; 22-MAY-2008 19:46:51; Bright; 35.0; 180; 27Gam Boo ; 3.04; 8000;occ; 70; 0;32561
 12; 3048.3; 22-MAY-2008 19:54:59; Bright; 40.5; 119; 14Eta Dra ; 2.73; 4700;occ; 81; 0;32561
 13; 3173.0; 22-MAY-2008 19:57:03; Bright; 39.0; 60; 7Bet UMi ; 2.08; 3950;occ; 78; 0;32561
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 18; 4797.8; 22-MAY-2008 20:24:08; Dark ; 45.0; 140; 88Gam Peg ; 2.83; 26000;occ; 90; 0;32561
 19; 5326.4; 22-MAY-2008 20:32:57; Dark ; 44.0; 52; 16Bet Cet ; 2.04; 4500;occ; 88; 0;32561
 20; 5848.8; 22-MAY-2008 20:41:39; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;32561
 21; 6012.0; 22-MAY-2008 20:44:22; Dark ; 55.5; 63; Bet Gru ; 2.15; 2800;occ; 111; 0;32561
 22; 6102.2; 22-MAY-2008 20:45:52; Dark ; 35.0; 172; Gam Gru ; 3.00; 13100;occ; 70; 0;32561
 23; 6187.7; 22-MAY-2008 20:47:18; Dark ; 38.0; 148; Alp Tuc ; 2.88; 4100;occ; 76; 0;32561
 24; 6435.7; 22-MAY-2008 20:51:26; Dark ; 42.0; 45; Alp Pav ; 1.94; 26000;occ; 84; 0;32561
 25; 6843.8; 22-MAY-2008 20:58:14; Dark ; 40.0; 141; Bet Ara ; 2.84; 4600;occ; 80; 0;32561

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 3; 2024.9; 23-MAY-2008 07:22:07; Bright; 39.5; 102; 24Alp Ser ; 2.60; 4250;occ; 79; 0;32568
 4; 2370.3; 23-MAY-2008 07:27:52; Bright; 37.5; 83; ; 2.38; 11000;occ; 75; 0;32568
 5; 2560.4; 23-MAY-2008 07:31:02; Bright; 34.5; 180; 27Gam Boo ; 3.04; 8000;occ; 69; 0;32568
 6; 3045.7; 23-MAY-2008 07:39:07; Bright; 39.0; 119; 14Eta Dra ; 2.73; 4700;occ; 78; 0;32568
 7; 3172.5; 23-MAY-2008 07:41:14; Bright; 36.0; 60; 7Bet UMi ; 2.08; 3950;occ; 72; 0;32568
 8; 3446.9; 23-MAY-2008 07:45:49; Bright; 32.5; 49; 1Alp UMi ; 1.99; 6300;occ; 65; 0;32568
 9; 3937.0; 23-MAY-2008 07:53:59; Bright; 54.0; 76; 27Gam Cas ; 2.30; 30000;occ; 108; 0;32568
 10; 4009.2; 23-MAY-2008 07:55:11; Bright; 38.0; 68; 18Alp Cas ; 2.22; 4500;occ; 76; 0;32568
 11; 4381.2; 23-MAY-2008 08:01:23; Bright; 38.0; 53; 43Bet And ; 2.05; 3300;occ; 76; 0;32568
 12; 4533.5; 23-MAY-2008 08:03:55; Dark ; 45.5; 58; 21Alp And ; 2.07; 11000;occ; 91; 0;32568
 13; 4800.6; 23-MAY-2008 08:08:22; Dark ; 46.0; 140; 88Gam Peg ; 2.83; 26000;occ; 92; 0;32568
 14; 5329.5; 23-MAY-2008 08:17:11; Dark ; 45.5; 52; 16Bet Cet ; 2.04; 4500;occ; 91; 0;32568
 15; 5736.3; 23-MAY-2008 08:23:58; Dark ; 43.0; 84; Alp Phe ; 2.40; 4500;occ; 86; 0;32568
 16; 5852.6; 23-MAY-2008 08:25:54; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;32568
 17; 6017.3; 23-MAY-2008 08:28:39; Dark ; 47.0; 63; Bet Gru ; 2.15; 2800;occ; 94; 0;32568
 18; 6118.2; 23-MAY-2008 08:30:20; Dark ; 44.0; 31; Alp Gru ; 1.73; 15200;occ; 88; 0;32568
 19; 6440.7; 23-MAY-2008 08:35:42; Dark ; 42.0; 45; Alp Pav ; 1.94; 26000;occ; 84; 0;32568
 20; 6846.9; 23-MAY-2008 08:42:29; Dark ; 41.0; 141; Bet Ara ; 2.84; 4600;occ; 82; 0;32568
 21; 7013.4; 23-MAY-2008 08:45:15; Dark ; 47.5; 40; The Sco ; 1.86; 7100;occ; 95; 0;32568
 22; 7124.3; 23-MAY-2008 08:47:06; Dark ; 50.5; 25; 35Lam Sco ; 1.62; 28000;occ; 101; 0;32568
 23; 7246.4; 23-MAY-2008 08:49:08; Dark ; 47.5; 75; 26Eps Sco ; 2.29; 4250;occ; 95; 0;32568
 24; 7417.8; 23-MAY-2008 08:52:00; Dark ; 58.0; 16; 21Alp Sco ; 1.02; 3000;occ; 116; 0;32568
 25; 7561.5; 23-MAY-2008 08:54:23; Bright; 42.0; 97; 8Bet1Sco ; 2.56; 30000;occ; 84; 0;32568
 26; 7667.4; 23-MAY-2008 08:56:09; Bright; 36.0; 122; 9Alp2Lib ; 2.75; 9700;occ; 72; 0;32568
 27; 7770.8; 23-MAY-2008 08:57:53; Bright; 10.0; 104; 27Bet Lib ; 2.61; 13100;occ; 20; 0;32568

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 2; 1840.5; 23-MAY-2008 08:59:38; Bright; 43.5; 120; 1Del Oph ; 2.73; 3200;occ; 87; 0;32569
 3; 2024.7; 23-MAY-2008 09:02:42; Bright; 40.0; 102; 24Alp Ser ; 2.60; 4250;occ; 80; 0;32569
 4; 2370.3; 23-MAY-2008 09:08:28; Bright; 37.0; 83; ; 2.38; 11000;occ; 74; 0;32569
 5; 2560.1; 23-MAY-2008 09:11:38; Bright; 35.0; 180; 27Gam Boo ; 3.04; 8000;occ; 70; 0;32569
 6; 3045.3; 23-MAY-2008 09:19:43; Bright; 40.5; 119; 14Eta Dra ; 2.73; 4700;occ; 81; 0;32569
 7; 3172.4; 23-MAY-2008 09:21:50; Bright; 37.5; 60; 7Bet UMi ; 2.08; 3950;occ; 75; 0;32569
 8; 3446.7; 23-MAY-2008 09:26:24; Bright; 35.0; 49; 1Alp UMi ; 1.99; 6300;occ; 70; 0;32569
 9; 3936.9; 23-MAY-2008 09:34:35; Bright; 36.0; 76; 27Gam Cas ; 2.30; 30000;occ; 72; 0;32569

10; 4009.1; 23-MAY-2008 09:35:47; Bright; 35.5; 68; 18Alp Cas ; 2.22; 4500;occ; 71; 0;32569
 11; 4381.3; 23-MAY-2008 09:41:59; Bright; 38.0; 53; 43Bet And ; 2.05; 3300;occ; 76; 0;32569
 12; 4533.6; 23-MAY-2008 09:44:31; Dark ; 50.0; 58; 21Alp And ; 2.07; 11000;occ; 100; 0;32569
 13; 4800.9; 23-MAY-2008 09:48:59; Dark ; 44.5; 140; 88Gam Peg ; 2.83; 26000;occ; 89; 0;32569
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 15; 5736.7; 23-MAY-2008 10:04:34; Dark ; 42.5; 84; Alp Phe ; 2.40; 4500;occ; 85; 0;32569
 16; 5853.2; 23-MAY-2008 10:06:31; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;32569
 17; 6018.0; 23-MAY-2008 10:09:16; Dark ; 53.0; 63; Bet Gru ; 2.15; 2800;occ; 106; 0;32569
 18; 6119.1; 23-MAY-2008 10:10:57; Dark ; 45.0; 31; Alp Gru ; 1.73; 15200;occ; 90; 0;32569
 19; 6441.4; 23-MAY-2008 10:16:19; Dark ; 41.5; 45; Alp Pav ; 1.94; 26000;occ; 83; 0;32569
 20; 6847.3; 23-MAY-2008 10:23:05; Dark ; 39.5; 141; Bet Ara ; 2.84; 4600;occ; 79; 0;32569
 21; 7014.0; 23-MAY-2008 10:25:52; Dark ; 51.0; 40; The Sco ; 1.86; 7100;occ; 102; 0;32569
 22; 7124.7; 23-MAY-2008 10:27:42; Dark ; 50.0; 25; 35Lam Sco ; 1.62; 28000;occ; 100; 0;32569
 23; 7246.8; 23-MAY-2008 10:29:44; Dark ; 52.5; 75; 26Eps Sco ; 2.29; 4250;occ; 105; 0;32569
 24; 7418.0; 23-MAY-2008 10:32:36; Dark ; 60.0; 16; 21Alp Sco ; 1.02; 3000;occ; 120; 0;32569
 25; 7561.6; 23-MAY-2008 10:34:59; Bright; 40.5; 97; 8Bet1Sco ; 2.56; 30000;occ; 81; 0;32569
 26; 7667.4; 23-MAY-2008 10:36:45; Bright; 35.0; 122; 9Alp2Lib ; 2.75; 9700;occ; 70; 0;32569

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 3; 2024.6; 23-MAY-2008 10:43:18; Bright; 39.0; 102; 24Alp Ser ; 2.60; 4250;occ; 78; 0;32570
 4; 2370.2; 23-MAY-2008 10:49:04; Bright; 38.5; 83; ; 2.38; 11000;occ; 77; 0;32570
 5; 2560.1; 23-MAY-2008 10:52:14; Bright; 36.0; 180; 27Gam Boo ; 3.04; 8000;occ; 72; 0;32570
 6; 3044.9; 23-MAY-2008 11:00:18; Bright; 40.0; 119; 14Eta Dra ; 2.73; 4700;occ; 80; 0;32570
 7; 3172.3; 23-MAY-2008 11:02:26; Bright; 37.5; 60; 7Bet UMi ; 2.08; 3950;occ; 75; 0;32570
 8; 3446.7; 23-MAY-2008 11:07:00; Bright; 36.0; 49; 1Alp UMi ; 1.99; 6300;occ; 72; 0;32570
 9; 3936.9; 23-MAY-2008 11:15:10; Bright; 54.0; 76; 27Gam Cas ; 2.30; 30000;occ; 108; 0;32570
 10; 4009.0; 23-MAY-2008 11:16:23; Bright; 36.0; 68; 18Alp Cas ; 2.22; 4500;occ; 72; 0;32570
 11; 4381.4; 23-MAY-2008 11:22:35; Bright; 37.5; 53; 43Bet And ; 2.05; 3300;occ; 75; 0;32570
 12; 4533.7; 23-MAY-2008 11:25:07; Dark ; 48.0; 58; 21Alp And ; 2.07; 11000;occ; 96; 0;32570
 13; 4801.2; 23-MAY-2008 11:29:35; Dark ; 46.5; 140; 88Gam Peg ; 2.83; 26000;occ; 93; 0;32570
 14; 5330.4; 23-MAY-2008 11:38:24; Dark ; 45.5; 52; 16Bet Cet ; 2.04; 4500;occ; 91; 0;32570
 15; 5737.0; 23-MAY-2008 11:45:11; Dark ; 42.5; 84; Alp Phe ; 2.40; 4500;occ; 85; 0;32570
 16; 5853.7; 23-MAY-2008 11:47:07; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;32570
 17; 6018.8; 23-MAY-2008 11:49:52; Dark ; 55.0; 63; Bet Gru ; 2.15; 2800;occ; 110; 0;32570
 18; 6119.9; 23-MAY-2008 11:51:33; Dark ; 45.5; 31; Alp Gru ; 1.73; 15200;occ; 91; 0;32570
 19; 6442.1; 23-MAY-2008 11:56:56; Dark ; 42.5; 45; Alp Pav ; 1.94; 26000;occ; 85; 0;32570
 20; 6847.7; 23-MAY-2008 12:03:41; Dark ; 39.5; 141; Bet Ara ; 2.84; 4600;occ; 79; 0;32570
 21; 7014.4; 23-MAY-2008 12:06:28; Dark ; 53.0; 40; The Sco ; 1.86; 7100;occ; 106; 0;32570
 22; 7125.2; 23-MAY-2008 12:08:19; Dark ; 49.0; 25; 35Lam Sco ; 1.62; 28000;occ; 98; 0;32570
 23; 7247.1; 23-MAY-2008 12:10:21; Dark ; 47.0; 75; 26Eps Sco ; 2.29; 4250;occ; 94; 0;32570
 24; 7418.3; 23-MAY-2008 12:13:12; Dark ; 60.0; 16; 21Alp Sco ; 1.02; 3000;occ; 120; 0;32570
 25; 7561.7; 23-MAY-2008 12:15:35; Bright; 41.0; 97; 8Bet1Sco ; 2.56; 30000;occ; 82; 0;32570
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 3; 1840.2; 23-MAY-2008 12:20:50; Bright; 43.5; 120; 1Del Oph ; 2.73; 3200;occ; 87; 0;32571
 4; 2024.5; 23-MAY-2008 12:23:54; Bright; 39.5; 102; 24Alp Ser ; 2.60; 4250;occ; 79; 0;32571
 5; 2370.2; 23-MAY-2008 12:29:40; Bright; 37.5; 83; ; 2.38; 11000;occ; 75; 0;32571
 6; 2560.1; 23-MAY-2008 12:32:50; Bright; 34.0; 180; 27Gam Boo ; 3.04; 8000;occ; 68; 0;32571
 7; 3044.5; 23-MAY-2008 12:40:54; Bright; 40.0; 119; 14Eta Dra ; 2.73; 4700;occ; 80; 0;32571
 8; 3172.2; 23-MAY-2008 12:43:02; Bright; 39.0; 60; 7Bet UMi ; 2.08; 3950;occ; 78; 0;32571
 9; 3446.8; 23-MAY-2008 12:47:36; Bright; 33.0; 49; 1Alp UMi ; 1.99; 6300;occ; 66; 0;32571
 10; 3937.0; 23-MAY-2008 12:55:46; Bright; 54.0; 76; 27Gam Cas ; 2.30; 30000;occ; 108; 0;32571
 11; 4009.0; 23-MAY-2008 12:56:58; Bright; 35.0; 68; 18Alp Cas ; 2.22; 4500;occ; 70; 0;32571
 12; 4381.7; 23-MAY-2008 13:03:11; Bright; 37.5; 53; 43Bet And ; 2.05; 3300;occ; 75; 0;32571
 13; 4533.9; 23-MAY-2008 13:05:43; Dark ; 46.5; 58; 21Alp And ; 2.07; 11000;occ; 93; 0;32571
 14; 4801.6; 23-MAY-2008 13:10:11; Dark ; 44.5; 140; 88Gam Peg ; 2.83; 26000;occ; 89; 0;32571
 15; 5330.9; 23-MAY-2008 13:19:00; Dark ; 45.5; 52; 16Bet Cet ; 2.04; 4500;occ; 91; 0;32571
 16; 5737.5; 23-MAY-2008 13:25:47; Dark ; 43.0; 84; Alp Phe ; 2.40; 4500;occ; 86; 0;32571
 17; 5854.2; 23-MAY-2008 13:27:44; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;32571
 18; 6019.5; 23-MAY-2008 13:30:29; Dark ; 47.0; 63; Bet Gru ; 2.15; 2800;occ; 94; 0;32571
 19; 6120.8; 23-MAY-2008 13:32:10; Dark ; 43.5; 31; Alp Gru ; 1.73; 15200;occ; 87; 0;32571
 20; 6442.8; 23-MAY-2008 13:37:32; Dark ; 41.5; 45; Alp Pav ; 1.94; 26000;occ; 83; 0;32571
 21; 6848.4; 23-MAY-2008 13:44:18; Dark ; 42.5; 141; Bet Ara ; 2.84; 4600;occ; 85; 0;32571
 22; 7015.0; 23-MAY-2008 13:47:04; Dark ; 48.0; 40; The Sco ; 1.86; 7100;occ; 96; 0;32571
 23; 7125.8; 23-MAY-2008 13:48:55; Dark ; 47.5; 25; 35Lam Sco ; 1.62; 28000;occ; 95; 0;32571

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25; 7418.6; 23-MAY-2008 13:53:48; Dark ; 60.0; 16; 21Alp Sco ; 1.02; 3000;occ; 120; 0;32571
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2; 1631.9; 23-MAY-2008 13:57:57; Bright; 35.5; 122; 9Alp2Lib ; 2.75; 9700;occ; 71; 0;32572
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6; 2370.3; 23-MAY-2008 14:10:16; Bright; 37.0; 83; ; 2.38; 11000;occ; 74; 0;32572
7; 2560.1; 23-MAY-2008 14:13:25; Bright; 35.0; 180; 27Gam Boo ; 3.04; 8000;occ; 70; 0;32572
8; 3044.2; 23-MAY-2008 14:21:29; Bright; 40.5; 119; 14Eta Dra ; 2.73; 4700;occ; 81; 0;32572
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10; 3446.8; 23-MAY-2008 14:28:12; Bright; 33.0; 49; 1Alp UMi ; 1.99; 6300;occ; 66; 0;32572
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13; 4381.8; 23-MAY-2008 14:43:47; Bright; 38.0; 53; 43Bet And ; 2.05; 3300;occ; 76; 0;32572
14; 4534.2; 23-MAY-2008 14:46:19; Dark ; 49.5; 58; 21Alp And ; 2.07; 11000;occ; 99; 0;32572
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16; 5331.4; 23-MAY-2008 14:59:37; Dark ; 44.5; 52; 16Bet Cet ; 2.04; 4500;occ; 89; 0;32572
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21; 6443.5; 23-MAY-2008 15:18:09; Dark ; 43.0; 45; Alp Pav ; 1.94; 26000;occ; 86; 0;32572
22; 6848.8; 23-MAY-2008 15:24:54; Dark ; 38.5; 141; Bet Ara ; 2.84; 4600;occ; 77; 0;32572
23; 7015.7; 23-MAY-2008 15:27:41; Dark ; 48.0; 40; The Sco ; 1.86; 7100;occ; 96; 0;32572
24; 7126.3; 23-MAY-2008 15:29:32; Dark ; 48.0; 25; 35Lam Sco ; 1.62; 28000;occ; 96; 0;32572
25; 7248.0; 23-MAY-2008 15:31:33; Dark ; 48.5; 75; 26Eps Sco ; 2.29; 4250;occ; 97; 0;32572
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9; 3043.8; 23-MAY-2008 16:02:05; Bright; 40.5; 119; 14Eta Dra ; 2.73; 4700;occ; 81; 0;32573
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21; 6122.7; 23-MAY-2008 16:53:24; Dark ; 44.0; 31; Alp Gru ; 1.73; 15200;occ; 88; 0;32573
22; 6444.3; 23-MAY-2008 16:58:46; Dark ; 41.5; 45; Alp Pav ; 1.94; 26000;occ; 83; 0;32573
23; 6849.3; 23-MAY-2008 17:05:31; Dark ; 47.0; 141; Bet Ara ; 2.84; 4600;occ; 94; 0;32573
24; 7016.3; 23-MAY-2008 17:08:18; Dark ; 48.5; 40; The Sco ; 1.86; 7100;occ; 97; 0;32573
25; 7127.0; 23-MAY-2008 17:10:08; Dark ; 51.5; 25; 35Lam Sco ; 1.62; 28000;occ; 103; 0;32573
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12; 3043.1; 23-MAY-2008 19:23:16; Bright; 38.5; 119; 14Eta Dra ; 2.73; 4700;occ; 77; 0;32575
13; 3172.0; 23-MAY-2008 19:25:25; Bright; 37.5; 60; 7Bet UMi ; 2.08; 3950;occ; 75; 0;32575
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16; 4008.7; 23-MAY-2008 19:39:22; Bright; 38.0; 68; 18Alp Cas ; 2.22; 4500;occ; 76; 0;32575
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19; 4803.2; 23-MAY-2008 19:52:36; Dark ; 44.0; 140; 88Gam Peg ; 2.83; 26000;occ; 88; 0;32575
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23; 6022.6; 23-MAY-2008 20:12:56; Dark ; 57.5; 63; Bet Gru ; 2.15; 2800;occ; 115; 0;32575
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26; 6850.0; 23-MAY-2008 20:26:43; Dark ; 39.0; 141; Bet Ara ; 2.84; 4600;occ; 78; 0;32575
27; 7017.2; 23-MAY-2008 20:29:30; Dark ; 48.0; 40; The Sco ; 1.86; 7100;occ; 96; 0;32575
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 3; 815.9; 24-MAY-2008 03:09:09; Dark ; 43.0; 141; Bet Ara ; 2.84; 4600;occ; 86; 0;32580
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 5; 1094.0; 24-MAY-2008 03:13:47; Dark ; 53.0; 25; 35Lam Sco ; 1.62; 28000;occ; 106; 0;32580
 6; 1214.6; 24-MAY-2008 03:15:47; Dark ; 50.0; 75; 26Eps Sco ; 2.29; 4250;occ; 100; 0;32580
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12; 2369.8; 24-MAY-2008 03:35:03; Bright; 36.0; 83; ; 2.38; 11000;occ; 72; 0;32580
13; 2560.0; 24-MAY-2008 03:38:13; Bright; 34.5; 180; 27Gam Boo ; 3.04; 8000;occ; 69; 0;32580
14; 3041.2; 24-MAY-2008 03:46:14; Bright; 38.5; 119; 14Eta Dra ; 2.73; 4700;occ; 77; 0;32580
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12; 816.3; 24-MAY-2008 04:49:45; Dark ; 39.5; 141; Bet Ara ; 2.84; 4600;occ; 79; 0;32581
13; 984.0; 24-MAY-2008 04:52:33; Dark ; 44.5; 40; The Sco ; 1.86; 7100;occ; 89; 0;32581
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21; 2369.8; 24-MAY-2008 05:15:39; Bright; 37.0; 83; ; 2.38; 11000;occ; 74; 0;32581
22; 2560.0; 24-MAY-2008 05:18:49; Bright; 34.0; 180; 27Gam Boo ; 3.04; 8000;occ; 68; 0;32581
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23; 3171.4; 24-MAY-2008 07:09:36; Bright; 36.5; 60; 7Bet UMi ; 2.08; 3950;occ; 73; 0;32582
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14; 4807.8; 24-MAY-2008 15:59:52; Dark ; 43.0; 140; 88Gam Peg ; 2.83; 26000;occ; 86; 0;32587
15; 5338.3; 24-MAY-2008 16:08:43; Dark ; 44.5; 52; 16Bet Cet ; 2.04; 4500;occ; 89; 0;32587
16; 5863.3; 24-MAY-2008 16:17:28; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;32587
17; 6031.8; 24-MAY-2008 16:20:16; Dark ; 59.5; 63; Bet Gru ; 2.15; 2800;occ; 119; 0;32587
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19; 6454.1; 24-MAY-2008 16:27:18; Dark ; 41.0; 45; Alp Pav ; 1.94; 26000;occ; 82; 0;32587
20; 6855.4; 24-MAY-2008 16:34:00; Dark ; 44.0; 141; Bet Ara ; 2.84; 4600;occ; 88; 0;32587
21; 7023.7; 24-MAY-2008 16:36:48; Dark ; 50.5; 40; The Sco ; 1.86; 7100;occ; 101; 0;32587
22; 7134.1; 24-MAY-2008 16:38:38; Dark ; 50.5; 25; 35Lam Sco ; 1.62; 28000;occ; 101; 0;32587
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2; 1386.7; 24-MAY-2008 16:43:27; Dark ; 59.0; 16; 21Alp Sco ; 1.02; 3000;occ; 118; 0;32588
3; 1528.4; 24-MAY-2008 16:45:49; Bright; 41.5; 97; 8Bet1Sco ; 2.56; 30000;occ; 83; 0;32588
4; 1736.4; 24-MAY-2008 16:49:17; Bright; 37.0; 104; 27Bet Lib ; 2.61; 13100;occ; 74; 0;32588
5; 1838.8; 24-MAY-2008 16:50:59; Bright; 42.5; 120; 1Del Oph ; 2.73; 3200;occ; 85; 0;32588
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8; 3038.1; 24-MAY-2008 17:10:58; Bright; 39.0; 119; 14Eta Dra ; 2.73; 4700;occ; 78; 0;32588
9; 3170.9; 24-MAY-2008 17:13:11; Bright; 37.0; 60; 7Bet UMi ; 2.08; 3950;occ; 74; 0;32588
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11; 3936.3; 24-MAY-2008 17:25:57; Bright; 34.5; 76; 27Gam Cas ; 2.30; 30000;occ; 69; 0;32588
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13; 4383.7; 24-MAY-2008 17:33:24; Bright; 37.5; 53; 43Bet And ; 2.05; 3300;occ; 75; 0;32588
14; 4537.1; 24-MAY-2008 17:35:57; Dark ; 47.0; 58; 21Alp And ; 2.07; 11000;occ; 94; 0;32588
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17; 5863.8; 24-MAY-2008 17:58:04; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;32588
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19; 6135.6; 24-MAY-2008 18:02:36; Dark ; 45.5; 31; Alp Gru ; 1.73; 15200;occ; 91; 0;32588
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21; 6855.7; 24-MAY-2008 18:14:36; Dark ; 42.0; 141; Bet Ara ; 2.84; 4600;occ; 84; 0;32588
22; 7024.2; 24-MAY-2008 18:17:24; Dark ; 49.5; 40; The Sco ; 1.86; 7100;occ; 99; 0;32588
23; 7134.6; 24-MAY-2008 18:19:15; Dark ; 39.5; 25; 35Lam Sco ; 1.62; 28000;occ; 79; 0;32588

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3; 1386.9; 24-MAY-2008 18:24:03; Dark ; 59.0; 16; 21Alp Sco ; 1.02; 3000;occ; 118; 0;32589
4; 1528.5; 24-MAY-2008 18:26:25; Bright; 41.0; 97; 8Bet1Sco ; 2.56; 30000;occ; 82; 0;32589
5; 1736.4; 24-MAY-2008 18:29:53; Bright; 37.5; 104; 27Bet Lib ; 2.61; 13100;occ; 75; 0;32589
6; 1838.7; 24-MAY-2008 18:31:35; Bright; 42.5; 120; 1Del Oph ; 2.73; 3200;occ; 85; 0;32589
7; 2022.0; 24-MAY-2008 18:34:38; Bright; 39.0; 102; 24Alp Ser ; 2.60; 4250;occ; 78; 0;32589
8; 2369.3; 24-MAY-2008 18:40:26; Bright; 39.5; 83; ; 2.38; 11000;occ; 79; 0;32589
9; 3037.6; 24-MAY-2008 18:51:34; Bright; 39.5; 119; 14Eta Dra ; 2.73; 4700;occ; 79; 0;32589
10; 3170.8; 24-MAY-2008 18:53:47; Bright; 37.0; 60; 7Bet UMi ; 2.08; 3950;occ; 74; 0;32589
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12; 3936.2; 24-MAY-2008 19:06:32; Bright; 34.0; 76; 27Gam Cas ; 2.30; 30000;occ; 68; 0;32589
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14; 4383.6; 24-MAY-2008 19:14:00; Bright; 38.0; 53; 43Bet And ; 2.05; 3300;occ; 76; 0;32589
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18; 5864.4; 24-MAY-2008 19:38:41; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;32589
19; 6033.2; 24-MAY-2008 19:41:29; Dark ; 55.0; 63; Bet Gru ; 2.15; 2800;occ; 110; 0;32589
20; 6136.3; 24-MAY-2008 19:43:13; Dark ; 45.0; 31; Alp Gru ; 1.73; 15200;occ; 90; 0;32589
21; 6455.4; 24-MAY-2008 19:48:32; Dark ; 41.5; 45; Alp Pav ; 1.94; 26000;occ; 83; 0;32589
22; 6856.0; 24-MAY-2008 19:55:12; Dark ; 40.5; 141; Bet Ara ; 2.84; 4600;occ; 81; 0;32589
23; 7024.6; 24-MAY-2008 19:58:01; Dark ; 26.5; 40; The Sco ; 1.86; 7100;occ; 53; 0;32589

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3; -0.5; 25-MAY-2008 00:43:19; Dark ; 57.0; 63; Bet Gru ; 2.15; 2800;occ; 114; 0;32592
4; 103.0; 25-MAY-2008 00:45:03; Dark ; 43.0; 31; Alp Gru ; 1.73; 15200;occ; 86; 0;32593
5; 421.6; 25-MAY-2008 00:50:21; Dark ; 42.0; 45; Alp Pav ; 1.94; 26000;occ; 84; 0;32593
6; 821.3; 25-MAY-2008 00:57:01; Dark ; 44.5; 141; Bet Ara ; 2.84; 4600;occ; 89; 0;32593
7; 990.2; 25-MAY-2008 00:59:50; Dark ; 48.5; 40; The Sco ; 1.86; 7100;occ; 97; 0;32593
8; 1100.5; 25-MAY-2008 01:01:40; Dark ; 48.5; 25; 35Lam Sco ; 1.62; 28000;occ; 97; 0;32593
9; 1219.2; 25-MAY-2008 01:03:39; Dark ; 47.0; 75; 26Eps Sco ; 2.29; 4250;occ; 94; 0;32593
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13; 1838.2; 25-MAY-2008 01:13:58; Bright; 43.0; 120; 1Del Oph ; 2.73; 3200;occ; 86; 0;32593
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17; 3170.5; 25-MAY-2008 01:36:10; Bright; 34.0; 60; 7Bet UMi ; 2.08; 3950;occ; 68; 0;32593
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19; 3935.9; 25-MAY-2008 01:48:56; Bright; 37.5; 76; 27Gam Cas ; 2.30; 30000;occ; 75; 0;32593
20; 4007.7; 25-MAY-2008 01:50:08; Bright; 36.0; 68; 18Alp Cas ; 2.22; 4500;occ; 72; 0;32593
21; 4384.1; 25-MAY-2008 01:56:24; Bright; 39.0; 53; 43Bet And ; 2.05; 3300;occ; 78; 0;32593
22; 4537.8; 25-MAY-2008 01:58:58; Dark ; 48.5; 58; 21Alp And ; 2.07; 11000;occ; 97; 0;32593
23; 4810.0; 25-MAY-2008 02:03:30; Dark ; 44.5; 140; 88Gam Peg ; 2.83; 26000;occ; 89; 0;32593

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4; 103.9; 25-MAY-2008 02:25:40; Dark ; 45.5; 31; Alp Gru ; 1.73; 15200;occ; 91; 0;32594
5; 422.3; 25-MAY-2008 02:30:58; Dark ; 42.5; 45; Alp Pav ; 1.94; 26000;occ; 85; 0;32594
6; 821.8; 25-MAY-2008 02:37:37; Dark ; 42.0; 141; Bet Ara ; 2.84; 4600;occ; 84; 0;32594
7; 990.8; 25-MAY-2008 02:40:27; Dark ; 52.0; 40; The Sco ; 1.86; 7100;occ; 104; 0;32594
8; 1101.0; 25-MAY-2008 02:42:17; Dark ; 53.0; 25; 35Lam Sco ; 1.62; 28000;occ; 106; 0;32594
9; 1219.6; 25-MAY-2008 02:44:15; Dark ; 49.5; 75; 26Eps Sco ; 2.29; 4250;occ; 99; 0;32594
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11; 1529.4; 25-MAY-2008 02:49:25; Bright; 40.5; 97; 8Bet1Sco ; 2.56; 30000;occ; 81; 0;32594
12; 1737.0; 25-MAY-2008 02:52:53; Bright; 37.5; 104; 27Bet Lib ; 2.61; 13100;occ; 75; 0;32594
13; 1838.2; 25-MAY-2008 02:54:34; Bright; 43.5; 120; 1Del Oph ; 2.73; 3200;occ; 87; 0;32594
14; 2021.4; 25-MAY-2008 02:57:37; Bright; 38.0; 102; 24Alp Ser ; 2.60; 4250;occ; 76; 0;32594
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4; -1497.9; 25-MAY-2008 03:39:34; Dark ; 47.5; 58; 21Alp And ; 2.07; 11000;occ; 95; 0;32594
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6; -694.6; 25-MAY-2008 03:52:57; Dark ; 45.5; 52; 16Bet Cet ; 2.04; 4500;occ; 91; 0;32594
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16; 1529.5; 25-MAY-2008 04:30:01; Bright; 40.5; 97; 8Bet1Sco ; 2.56; 30000;occ; 81; 0;32595
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21; 3035.6; 25-MAY-2008 04:55:07; Bright; 40.0; 119; 14Eta Dra ; 2.73; 4700;occ; 80; 0;32595
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4; 1351.5; 25-MAY-2008 21:13:03; Dark ; 43.5; 136; 23Tau Sco ; 2.82; 30000;occ; 87; 0;32605
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17; 4814.9; 25-MAY-2008 22:10:46; Dark ; 45.5; 140; 88Gam Peg ; 2.83; 26000;occ; 91; 0;32605
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4; 114.4; 25-MAY-2008 22:33:01; Dark ; 45.5; 31; Alp Gru ; 1.73; 15200;occ; 91; 0;32606
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6; 826.8; 25-MAY-2008 22:44:54; Dark ; 42.0; 141; Bet Ara ; 2.84; 4600;occ; 84; 0;32606
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22; 4540.1; 25-MAY-2008 23:46:47; Dark ; 48.0; 58; 21Alp And ; 2.07; 11000;occ; 96; 0;32606
23; 4815.3; 25-MAY-2008 23:51:22; Dark ; 47.0; 140; 88Gam Peg ; 2.83; 26000;occ; 94; 0;32606
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 2; -2100.1; 25-MAY-2008 06:50:44; Bright; 52.5; 76; 27Gam Cas ; 2.30; 30000;occ; 105; 0;32596
 3; -2028.4; 25-MAY-2008 06:51:55; Bright; 36.5; 68; 18Alp Cas ; 2.22; 4500;occ; 73; 0;32596
 4; -1651.4; 25-MAY-2008 06:58:12; Bright; 39.0; 53; 43Bet And ; 2.05; 3300;occ; 78; 0;32596
 5; -1497.4; 25-MAY-2008 07:00:46; Dark ; 47.0; 58; 21Alp And ; 2.07; 11000;occ; 94; 0;32596
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 8; -167.6; 25-MAY-2008 07:22:56; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;32596
 9; 2.8; 25-MAY-2008 07:25:46; Dark ; 57.5; 63; Bet Gru ; 2.15; 2800;occ; 115; 0;32597
10; 106.7; 25-MAY-2008 07:27:30; Dark ; 43.5; 31; Alp Gru ; 1.73; 15200;occ; 87; 0;32597
11; 424.5; 25-MAY-2008 07:32:48; Dark ; 40.5; 45; Alp Pav ; 1.94; 26000;occ; 81; 0;32597
12; 823.2; 25-MAY-2008 07:39:27; Dark ; 39.0; 141; Bet Ara ; 2.84; 4600;occ; 78; 0;32597
13; 992.4; 25-MAY-2008 07:42:16; Dark ; 49.0; 40; The Sco ; 1.86; 7100;occ; 98; 0;32597
14; 1102.6; 25-MAY-2008 07:44:06; Dark ; 48.5; 25; 35Lam Sco ; 1.62; 28000;occ; 97; 0;32597
15; 1220.7; 25-MAY-2008 07:46:04; Dark ; 46.5; 75; 26Eps Sco ; 2.29; 4250;occ; 93; 0;32597
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17; 1529.9; 25-MAY-2008 07:51:14; Bright; 40.0; 97; 8Bet1Sco ; 2.56; 30000;occ; 80; 0;32597
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 2; 1838.0; 25-MAY-2008 07:56:22; Bright; 42.5; 120; 1Del Oph ; 2.73; 3200;occ; 85; 0;32597
 3; 2021.2; 25-MAY-2008 07:59:25; Bright; 38.5; 102; 24Alp Ser ; 2.60; 4250;occ; 77; 0;32597
 4; 2369.3; 25-MAY-2008 08:05:13; Bright; 37.5; 83; ; 2.38; 11000;occ; 75; 0;32597
 5; 3034.8; 25-MAY-2008 08:16:18; Bright; 39.0; 119; 14Eta Dra ; 2.73; 4700;occ; 78; 0;32597
 6; 3170.5; 25-MAY-2008 08:18:34; Bright; 35.0; 60; 7Bet UMi ; 2.08; 3950;occ; 70; 0;32597
 7; 3681.1; 25-MAY-2008 08:27:05; Bright; 44.5; 89; 5Alp Cep ; 2.45; 8000;occ; 89; 0;32597
 8; 3935.8; 25-MAY-2008 08:31:19; Bright; 35.5; 76; 27Gam Cas ; 2.30; 30000;occ; 71; 0;32597
 9; 4007.6; 25-MAY-2008 08:32:31; Bright; 54.0; 68; 18Alp Cas ; 2.22; 4500;occ; 108; 0;32597
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12; 4811.8; 25-MAY-2008 08:45:55; Dark ; 46.0; 140; 88Gam Peg ; 2.83; 26000;occ; 92; 0;32597
13; 5342.9; 25-MAY-2008 08:54:47; Dark ; 44.5; 52; 16Bet Cet ; 2.04; 4500;occ; 89; 0;32597
14; 5868.9; 25-MAY-2008 09:03:33; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;32597
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16; 6143.4; 25-MAY-2008 09:08:07; Dark ; 44.5; 31; Alp Gru ; 1.73; 15200;occ; 89; 0;32597
17; 6461.1; 25-MAY-2008 09:13:25; Dark ; 41.5; 45; Alp Pav ; 1.94; 26000;occ; 83; 0;32597
18; 6859.5; 25-MAY-2008 09:20:03; Dark ; 40.0; 141; Bet Ara ; 2.84; 4600;occ; 80; 0;32597
19; 7028.9; 25-MAY-2008 09:22:53; Dark ; 48.5; 40; The Sco ; 1.86; 7100;occ; 97; 0;32597
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21; 7257.0; 25-MAY-2008 09:26:41; Dark ; 48.0; 75; 26Eps Sco ; 2.29; 4250;occ; 96; 0;32597
22; 7385.6; 25-MAY-2008 09:28:49; Dark ; 41.0; 136; 23Tau Sco ; 2.82; 30000;occ; 82; 0;32597
23; 7565.9; 25-MAY-2008 09:31:50; Bright; 39.5; 97; 8Bet1Sco ; 2.56; 30000;occ; 79; 0;32597
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 3; 2021.1; 25-MAY-2008 09:40:01; Bright; 39.5; 102; 24Alp Ser ; 2.60; 4250;occ; 79; 0;32598
 4; 2369.3; 25-MAY-2008 09:45:49; Bright; 37.0; 83; ; 2.38; 11000;occ; 74; 0;32598
 5; 3034.5; 25-MAY-2008 09:56:54; Bright; 38.0; 119; 14Eta Dra ; 2.73; 4700;occ; 76; 0;32598
 6; 3170.3; 25-MAY-2008 09:59:10; Bright; 36.0; 60; 7Bet UMi ; 2.08; 3950;occ; 72; 0;32598
 7; 3680.5; 25-MAY-2008 10:07:40; Bright; 45.5; 89; 5Alp Cep ; 2.45; 8000;occ; 91; 0;32598
 8; 3935.8; 25-MAY-2008 10:11:55; Bright; 54.0; 76; 27Gam Cas ; 2.30; 30000;occ; 108; 0;32598
 9; 4007.5; 25-MAY-2008 10:13:07; Bright; 40.0; 68; 18Alp Cas ; 2.22; 4500;occ; 80; 0;32598
10; 4384.7; 25-MAY-2008 10:19:24; Bright; 38.5; 53; 43Bet And ; 2.05; 3300;occ; 77; 0;32598
11; 4538.8; 25-MAY-2008 10:21:58; Dark ; 50.5; 58; 21Alp And ; 2.07; 11000;occ; 101; 0;32598

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 13; 5343.3; 25-MAY-2008 10:35:23; Dark ; 46.5; 52; 16Bet Cet ; 2.04; 4500;occ; 93; 0;32598
 14; 5869.4; 25-MAY-2008 10:44:09; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;32598
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 16; 6144.2; 25-MAY-2008 10:48:44; Dark ; 44.0; 31; Alp Gru ; 1.73; 15200;occ; 88; 0;32598
 17; 6461.8; 25-MAY-2008 10:54:01; Dark ; 40.5; 45; Alp Pav ; 1.94; 26000;occ; 81; 0;32598
 18; 6859.9; 25-MAY-2008 11:00:40; Dark ; 41.0; 141; Bet Ara ; 2.84; 4600;occ; 82; 0;32598
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 3; 2021.0; 25-MAY-2008 11:20:36; Bright; 38.5; 102; 24Alp Ser ; 2.60; 4250;occ; 77; 0;32599
 4; 2369.2; 25-MAY-2008 11:26:25; Bright; 37.5; 83; ; 2.38; 11000;occ; 75; 0;32599
 5; 3034.0; 25-MAY-2008 11:37:29; Bright; 38.5; 119; 14Eta Dra ; 2.73; 4700;occ; 77; 0;32599
 6; 3170.3; 25-MAY-2008 11:39:46; Bright; 35.5; 60; 7Bet UMi ; 2.08; 3950;occ; 71; 0;32599
 7; 3680.0; 25-MAY-2008 11:48:15; Bright; 46.5; 89; 5Alp Cep ; 2.45; 8000;occ; 93; 0;32599
 8; 3935.6; 25-MAY-2008 11:52:31; Bright; 36.0; 76; 27Gam Cas ; 2.30; 30000;occ; 72; 0;32599
 9; 4007.3; 25-MAY-2008 11:53:43; Bright; 37.0; 68; 18Alp Cas ; 2.22; 4500;occ; 74; 0;32599
 10; 4384.8; 25-MAY-2008 12:00:00; Bright; 39.0; 53; 43Bet And ; 2.05; 3300;occ; 78; 0;32599
 11; 4538.9; 25-MAY-2008 12:02:34; Dark ; 49.0; 58; 21Alp And ; 2.07; 11000;occ; 98; 0;32599
 12; 4812.4; 25-MAY-2008 12:07:08; Dark ; 46.0; 140; 88Gam Peg ; 2.83; 26000;occ; 92; 0;32599
 13; 5343.8; 25-MAY-2008 12:15:59; Dark ; 42.5; 52; 16Bet Cet ; 2.04; 4500;occ; 85; 0;32599
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 16; 6145.0; 25-MAY-2008 12:29:20; Dark ; 44.0; 31; Alp Gru ; 1.73; 15200;occ; 88; 0;32599
 17; 6462.5; 25-MAY-2008 12:34:38; Dark ; 42.0; 45; Alp Pav ; 1.94; 26000;occ; 84; 0;32599
 18; 6860.4; 25-MAY-2008 12:41:16; Dark ; 42.0; 141; Bet Ara ; 2.84; 4600;occ; 84; 0;32599
 19; 7029.8; 25-MAY-2008 12:44:05; Dark ; 47.0; 40; The Sco ; 1.86; 7100;occ; 94; 0;32599
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 22; 7386.1; 25-MAY-2008 12:50:02; Dark ; 44.0; 136; 23Tau Sco ; 2.82; 30000;occ; 88; 0;32599
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 5; -1497.7; 25-MAY-2008 05:20:10; Dark ; 46.5; 58; 21Alp And ; 2.07; 11000;occ; 93; 0;32595
 6; -1224.9; 25-MAY-2008 05:24:43; Dark ; 46.0; 140; 88Gam Peg ; 2.83; 26000;occ; 92; 0;32595
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 8; -168.2; 25-MAY-2008 05:42:20; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;32595
 9; 1.9; 25-MAY-2008 05:45:10; Dark ; 59.0; 63; Bet Gru ; 2.15; 2800;occ; 118; 0;32596
 10; 105.8; 25-MAY-2008 05:46:54; Dark ; 42.5; 31; Alp Gru ; 1.73; 15200;occ; 85; 0;32596
 11; 423.7; 25-MAY-2008 05:52:11; Dark ; 41.0; 45; Alp Pav ; 1.94; 26000;occ; 82; 0;32596
 12; 822.8; 25-MAY-2008 05:58:50; Dark ; 39.0; 141; Bet Ara ; 2.84; 4600;occ; 78; 0;32596
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 22; 3035.2; 25-MAY-2008 06:35:43; Bright; 40.0; 119; 14Eta Dra ; 2.73; 4700;occ; 80; 0;32596
 23; 3170.5; 25-MAY-2008 06:37:58; Bright; 36.0; 60; 7Bet UMi ; 2.08; 3950;occ; 72; 0;32596

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 3; 2021.0; 25-MAY-2008 13:01:12; Bright; 38.5; 102; 24Alp Ser ; 2.60; 4250;occ; 77; 0;32600
 4; 2369.2; 25-MAY-2008 13:07:01; Bright; 34.5; 83; ; 2.38; 11000;occ; 69; 0;32600
 5; 3033.8; 25-MAY-2008 13:18:05; Bright; 40.5; 119; 14Eta Dra ; 2.73; 4700;occ; 81; 0;32600
 6; 3170.3; 25-MAY-2008 13:20:22; Bright; 38.0; 60; 7Bet UMi ; 2.08; 3950;occ; 76; 0;32600
 7; 3935.8; 25-MAY-2008 13:33:07; Bright; 35.5; 76; 27Gam Cas ; 2.30; 30000;occ; 71; 0;32600

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9; 4385.0; 25-MAY-2008 13:40:36; Bright; 38.5; 53; 43Bet And ; 2.05; 3300;occ; 77; 0;32600
10; 4539.2; 25-MAY-2008 13:43:10; Dark ; 50.0; 58; 21Alp And ; 2.07; 11000;occ; 100; 0;32600
11; 4812.9; 25-MAY-2008 13:47:44; Dark ; 45.5; 140; 88Gam Peg ; 2.83; 26000;occ; 91; 0;32600
12; 5344.4; 25-MAY-2008 13:56:36; Dark ; 44.5; 52; 16Bet Cet ; 2.04; 4500;occ; 89; 0;32600
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4; 2020.8; 25-MAY-2008 14:41:48; Bright; 39.0; 102; 24Alp Ser ; 2.60; 4250;occ; 78; 0;32601
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15; 5871.2; 25-MAY-2008 15:45:58; Dark ; 59.0; 0; ; 0.00; 0;occ; 118; 0;32601
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5; -1218.9; 26-MAY-2008 06:33:48; Dark ; 48.5; 140; 88Gam Peg ; 2.83; 26000;occ; 97; 0;32610

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6; 3030.0; 26-MAY-2008 07:44:37; Bright; 38.5; 119; 14Eta Dra ; 2.73; 4700;occ; 77; 0;32611
7; 3169.5; 26-MAY-2008 07:46:56; Bright; 35.5; 60; 7Bet UMi ; 2.08; 3950;occ; 71; 0;32611
8; 3673.3; 26-MAY-2008 07:55:20; Bright; 52.0; 89; 5Alp Cep ; 2.45; 8000;occ; 104; 0;32611
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11; 4541.2; 26-MAY-2008 08:09:48; Dark ; 48.5; 58; 21Alp And ; 2.07; 11000;occ; 97; 0;32611
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 13; 2017.9; 27-MAY-2008 22:01:31; Bright; 37.5; 102; 24Alp Ser ; 2.60; 4250;occ; 75; 0;32634
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19; 7267.4; 27-MAY-2008 11:44:49; Dark ; 49.5; 75; 26Eps Sco ; 2.29; 4250;occ; 99; 0;32627
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 3; 1836.1; 27-MAY-2008 11:54:53; Bright; 41.0; 120; 1Del Oph ; 2.73; 3200;occ; 82; 0;32628
 4; 2018.2; 27-MAY-2008 11:57:56; Bright; 38.0; 102; 24Alp Ser ; 2.60; 4250;occ; 76; 0;32628
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22; 7267.7; 27-MAY-2008 13:25:25; Dark ; 44.0; 75; 26Eps Sco ; 2.29; 4250;occ; 88; 0;32628
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 3; 1701.4; 27-MAY-2008 16:54:27; Bright; 42.0; 98; 13Zet Oph ; 2.57; 30000;occ; 84; 0;32631
 4; 2017.9; 27-MAY-2008 16:59:43; Bright; 38.0; 102; 24Alp Ser ; 2.60; 4250;occ; 76; 0;32631

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7; 3023.1; 27-MAY-2008 17:16:28; Bright; 39.5; 119; 14Eta Dra ; 2.73; 4700;occ; 79; 0;32631
8; 3168.6; 27-MAY-2008 17:18:54; Bright; 39.0; 60; 7Bet UMi ; 2.08; 3950;occ; 78; 0;32631
9; 3662.4; 27-MAY-2008 17:27:08; Bright; 46.5; 89; 5Alp Cep ; 2.45; 8000;occ; 93; 0;32631
10; 3933.9; 27-MAY-2008 17:31:39; Bright; 34.5; 76; 27Gam Cas ; 2.30; 30000;occ; 69; 0;32631
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13; 4825.9; 27-MAY-2008 17:46:31; Dark ; 48.0; 140; 88Gam Peg ; 2.83; 26000;occ; 96; 0;32631
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18; 6485.1; 27-MAY-2008 18:14:10; Dark ; 40.5; 45; Alp Pav ; 1.94; 26000;occ; 81; 0;32631
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3; 1836.1; 27-MAY-2008 13:35:29; Bright; 41.5; 120; 1Del Oph ; 2.73; 3200;occ; 83; 0;32629
4; 2018.3; 27-MAY-2008 13:38:31; Bright; 38.5; 102; 24Alp Ser ; 2.60; 4250;occ; 77; 0;32629
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7; 3023.7; 27-MAY-2008 13:55:17; Bright; 39.5; 119; 14Eta Dra ; 2.73; 4700;occ; 79; 0;32629
8; 3168.6; 27-MAY-2008 13:57:42; Bright; 37.0; 60; 7Bet UMi ; 2.08; 3950;occ; 74; 0;32629
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13; 4825.1; 27-MAY-2008 14:25:18; Dark ; 50.0; 140; 88Gam Peg ; 2.83; 26000;occ; 100; 0;32629
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22; 7268.1; 27-MAY-2008 15:06:01; Dark ; 47.5; 75; 26Eps Sco ; 2.29; 4250;occ; 95; 0;32629
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3; 2018.0; 27-MAY-2008 15:19:07; Bright; 38.5; 102; 24Alp Ser ; 2.60; 4250;occ; 77; 0;32630
4; 2378.4; 27-MAY-2008 15:25:07; Bright; 37.5; 67; 5Alp CrB ; 2.22; 11000;occ; 75; 0;32630
5; 2561.5; 27-MAY-2008 15:28:11; Bright; 45.0; 133; 40Zet Her ; 2.81; 6000;occ; 90; 0;32630
6; 3023.3; 27-MAY-2008 15:35:52; Bright; 46.0; 119; 14Eta Dra ; 2.73; 4700;occ; 92; 0;32630
7; 3168.6; 27-MAY-2008 15:38:18; Bright; 36.5; 60; 7Bet UMi ; 2.08; 3950;occ; 73; 0;32630
8; 3663.0; 27-MAY-2008 15:46:32; Bright; 68.0; 89; 5Alp Cep ; 2.45; 8000;occ; 136; 0;32630
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11; 4544.7; 27-MAY-2008 16:01:14; Dark ; 51.5; 58; 21Alp And ; 2.07; 11000;occ; 103; 0;32630
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3; 1232.8; 27-MAY-2008 18:27:14; Dark ; 47.5; 75; 26Eps Sco ; 2.29; 4250;occ; 95; 0;32632
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5; 1701.4; 27-MAY-2008 18:35:03; Bright; 43.0; 98; 13Zet Oph ; 2.57; 30000;occ; 86; 0;32632

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3; 34.4; 28-MAY-2008 02:30:15; Dark ; 48.5; 63; Bet Gru ; 2.15; 2800;occ; 97; 0;32637
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 16; 2374.6; 29-MAY-2008 02:37:38; Bright; 39.0; 67; 5Alp CrB ; 2.22; 11000;occ; 78; 0;32651
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23; 3016.2; 29-MAY-2008 04:28:56; Bright; 39.5; 119; 14Eta Dra ; 2.73; 4700;occ; 79; 0;32652
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13; 1020.1; 29-MAY-2008 05:36:16; Dark ; 42.5; 40; The Sco ; 1.86; 7100;occ; 85; 0;32653
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9; 2016.0; 29-MAY-2008 19:17:39; Bright; 37.0; 102; 24Alp Ser ; 2.60; 4250;occ; 74; 0;32661
10; 2373.1; 29-MAY-2008 19:23:36; Bright; 38.0; 67; 5Alp CrB ; 2.22; 11000;occ; 76; 0;32661
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12; 3013.3; 29-MAY-2008 19:34:16; Bright; 38.0; 119; 14Eta Dra ; 2.73; 4700;occ; 76; 0;32661
13; 3167.0; 29-MAY-2008 19:36:50; Bright; 37.0; 60; 7Bet UMi ; 2.08; 3950;occ; 74; 0;32661
14; 3645.3; 29-MAY-2008 19:44:48; Bright; 46.0; 89; 5Alp Cep ; 2.45; 8000;occ; 92; 0;32661
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 24; 3167.0; 30-MAY-2008 03:59:49; Bright; 36.5; 60; 7Bet UMi ; 2.08; 3950;occ; 73; 0;32666
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 6; -773.3; 30-MAY-2008 04:34:45; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;32666
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4; 2538.4; 30-MAY-2008 10:31:45; Bright; 45.0; 133; 40Zet Her ; 2.81; 6000;occ; 90; 0;32670
5; 3010.4; 30-MAY-2008 10:39:37; Bright; 38.5; 119; 14Eta Dra ; 2.73; 4700;occ; 77; 0;32670
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 9; 2371.3; 30-MAY-2008 17:11:21; Bright; 38.0; 67; 5Alp CrB ; 2.22; 11000;occ; 76; 0;32674
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 19; 5270.2; 30-MAY-2008 19:40:16; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;32675
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 22; 5898.2; 30-MAY-2008 19:50:44; Dark ; 60.5; 18; 24Alp PsA ; 1.17; 9700;occ; 121; 0;32675
 23; 6102.5; 30-MAY-2008 19:54:09; Dark ; 53.5; 63; Bet Gru ; 2.15; 2800;occ; 107; 0;32675
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 3; 1251.3; 31-MAY-2008 19:42:16; Dark ; 45.5; 75; 26Eps Sco ; 2.29; 4250;occ; 91; 0;32690
 4; 1373.3; 31-MAY-2008 19:44:18; Dark ; 45.5; 136; 23Tau Sco ; 2.82; 30000;occ; 91; 0;32690
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8; 3557.2; 31-MAY-2008 13:38:18; Bright; 59.5; 0; ; 0.00; 0;occ; 119; 0;32686
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14; 6468.4; 31-MAY-2008 16:07:26; Dark ; 98.5; 45; Alp Pav ; 1.94; 26000;occ; 197; 0;32687
15; 6916.9; 31-MAY-2008 16:14:54; Dark ; 93.0; 147; Alp Ara ; 2.88; 26000;occ; 186; 0;32687
16; 7121.3; 31-MAY-2008 16:18:18; Dark ; 106.0; 25; 35Lam Sco ; 1.62; 28000;occ; 212; 0;32687
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 5; 2263.2; 31-MAY-2008 16:37:56; Bright; 103.0; 127; 27Bet Her ; 2.78; 4700;occ; 206; 0;32688
 6; 2469.7; 31-MAY-2008 16:41:23; Bright; 101.0; 133; 40Zet Her ; 2.81; 6000;occ; 202; 0;32688
 7; 2952.1; 31-MAY-2008 16:49:25; Bright; 91.0; 119; 14Eta Dra ; 2.73; 4700;occ; 182; 0;32688
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 17; 6917.5; 31-MAY-2008 17:55:31; Dark ; 95.0; 147; Alp Ara ; 2.88; 26000;occ; 190; 0;32688
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