

GOMOS Daily Report 19-APR-2008

Level 0 and Level 1 products

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This report presents the daily analysis on parameters extracted from GOMOS level 1b data (GOM_TRA_1P). It is intended to monitor some important parameters that will impact the quality of the level 2 products as the Spectrometers and Photometers CCD Temperatures and Dark Charge, SATU noise equivalent angle... A list of level 0 products (and content) that have arrived during the actual month to the PCF is also given.

Item	Value
Time of report generation	21APR2008 05:33:09
Data source version	GOMOS/5.00
Start time of products	QDS_YESTERDAY(/START)-1D (19APR2008 00:00:00)
Stop time of products	QDS_YESTERDAY(/STOP)-1D (20APR2008 00:00:00)
Store outputs in DB	Yes
Nb of level 1b prods	49
Nb of prods with errors	1

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

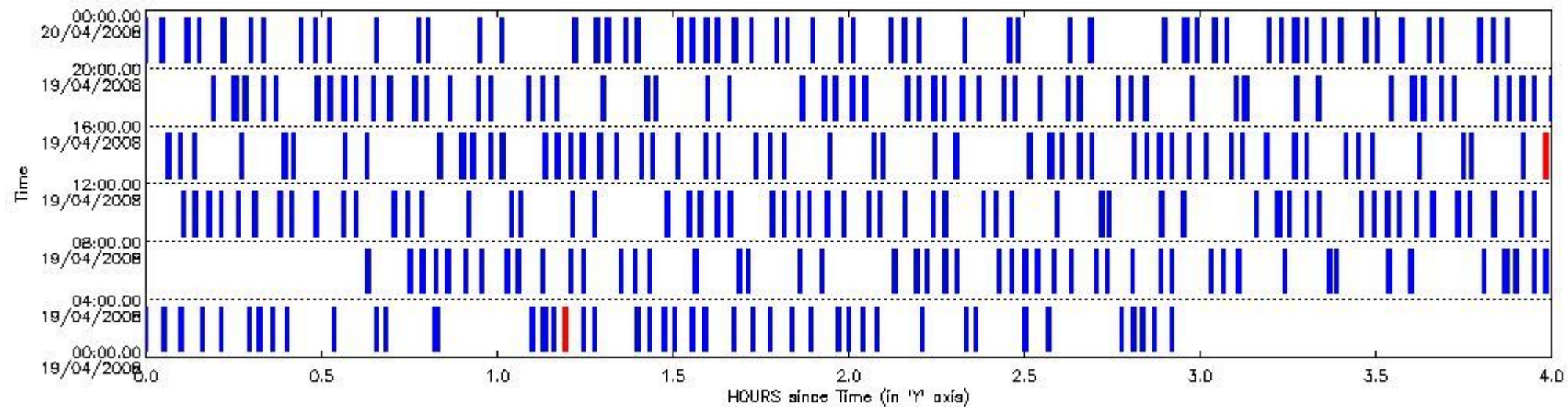
2.1 Level 0 products arrived in PCF (see template [here](#))

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

Red segments are missing products.

Blue segments are available products.

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



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

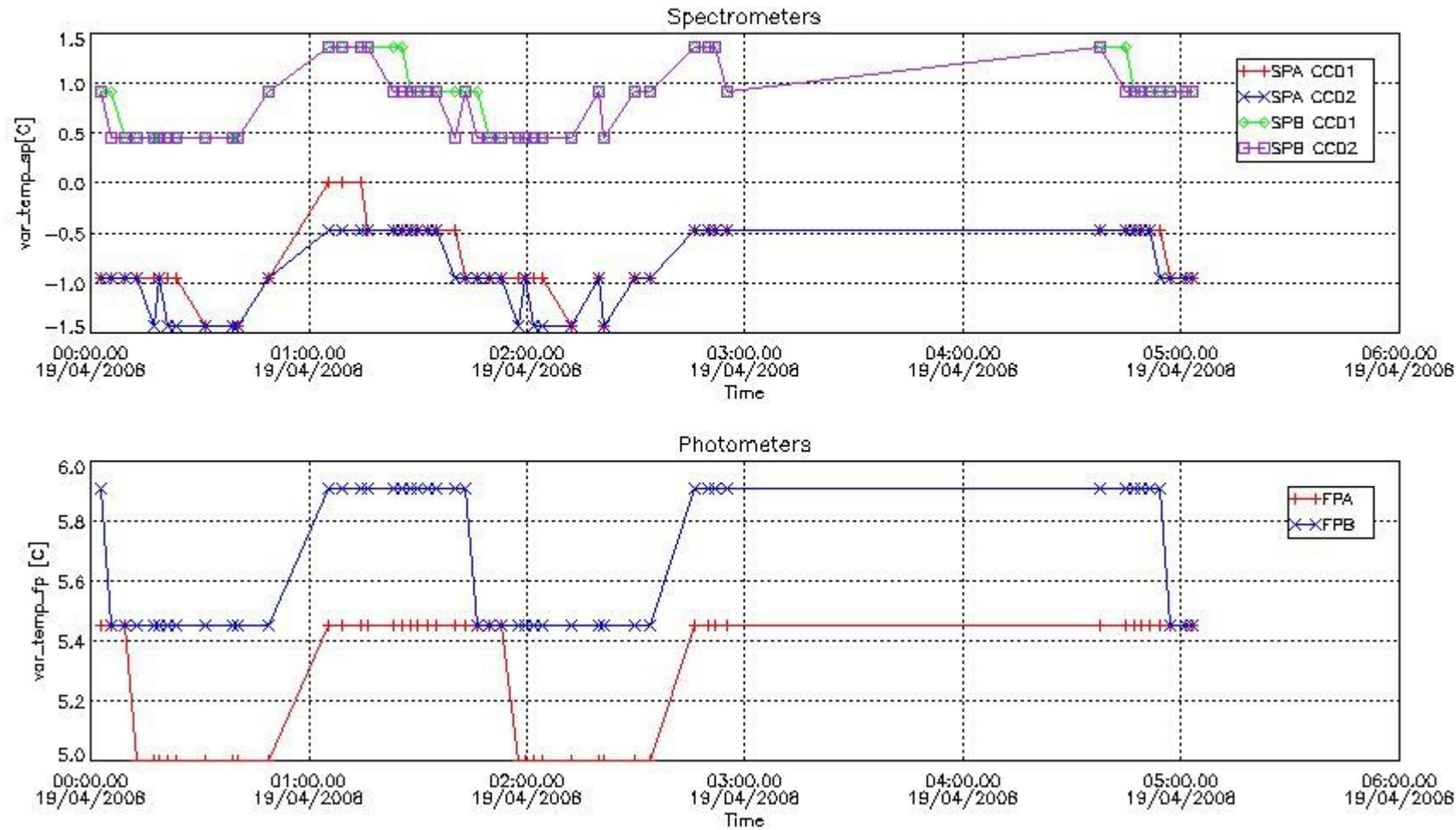
UTC start time	Star name	Star ID	Orbit
19-APR-2008 01:11:08	AlpGru	31	32077
19-APR-2008 15:58:33	54AlpPeg	90	32086

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_1PNPDE20080419_000235_000000422067_00460_32077_8649.N1	19-APR-2008 00:02:35	Bright	41.500	15	67Alp Vir	0.97600	28000.	83	32077	No
2	GOM_TRA_1PNPDE20080419_000537_000000372067_00460_32077_8650.N1	19-APR-2008 00:05:37	Bright	37.000	121	29Gam Vir	2.7400	7200.0	74	32077	No
3	GOM_TRA_1PNPDE20080419_000916_000000382067_00460_32077_8651.N1	19-APR-2008 00:09:16	Bright	38.000	138	47Eps Vir	2.8280	4700.0	76	32077	No
4	GOM_TRA_1PNPDE20080419_001228_000000352067_00460_32077_8652.N1	19-APR-2008 00:12:28	Bright	35.000	96	68Del Leo	2.5600	9300.0	70	32077	No
5	GOM_TRA_1PNPDE20080419_001717_000000392067_00460_32077_8653.N1	19-APR-2008 00:17:17	Bright	38.500	152	12Alp2CVn	2.8900	11000.	77	32077	No
6	GOM_TRA_1PNPDE20080419_001902_000000352067_00460_32077_8654.N1	19-APR-2008 00:19:02	Bright	34.500	174	52Psi UMa	3.0040	4400.0	69	32077	No
7	GOM_TRA_1PNPDE20080419_002119_000000352067_00460_32077_8655.N1	19-APR-2008 00:21:19	Bright	34.500	87	64Gam UMa	2.4330	11000.	69	32077	No
8	GOM_TRA_1PNPDE20080419_002345_000000342067_00460_32077_8656.N1	19-APR-2008 00:23:45	Bright	33.500	36	50Alp UMa	1.8000	6300.0	67	32077	No
9	GOM_TRA_1PNPDE20080419_003142_000000332067_00460_32077_8657.N1	19-APR-2008 00:31:42	Bright	32.500	49	1Alp UMI	1.9900	6300.0	65	32077	No

10	GOM_TRA_1PNPDE20080419_003905_000000322067_00460_32077_8658.N1	19-APR-2008 00:39:05	Bright	32.000	110	37Del Cas	2.6780	8900.0	64	32077	No
11	GOM_TRA_1PNPDE20080419_004037_000000342067_00460_32077_8659.N1	19-APR-2008 00:40:37	Bright	34.000	68	18Alp Cas	2.2250	4500.0	68	32077	No
12	GOM_TRA_1PNPDE20080419_004902_000000552067_00460_32077_8660.N1	19-APR-2008 00:49:02	Bright	54.500	164	44Eta Peg	2.9480	5400.0	109	32077	No
13	GOM_TRA_1PNPDE20080419_010536_000000432067_00460_32077_8780.N1	19-APR-2008 01:05:36	Dark	43.000	18	24Alp PsA	1.1660	9700.0	86	32077	No
14	GOM_TRA_1PNPDE20080419_010912_000000402067_00460_32077_8781.N1	19-APR-2008 01:09:12	Dark	39.500	172	Gam Gru	3.0030	13100.	79	32077	No
15	GOM_TRA_1PNPDE20080419_011415_000000372067_00460_32077_8782.N1	19-APR-2008 01:14:15	Dark	37.000	148	Alp Tuc	2.8780	4100.0	74	32077	No
16	GOM_TRA_1PNPDE20080419_011615_000000392067_00461_32078_8783.N1	19-APR-2008 01:16:15	Dark	38.500	45	Alp Pav	1.9400	26000.	77	32078	No
17	GOM_TRA_1PNPDE20080419_012330_000000452067_00461_32078_8784.N1	19-APR-2008 01:23:30	Dark	45.000	43	Alp TrA	1.9100	4250.0	90	32078	No
18	GOM_TRA_1PNPDE20080419_012537_000000382067_00461_32078_8785.N1	19-APR-2008 01:25:37	Straylight	38.000	134	Bet TrA	2.8100	6600.0	76	32078	No
19	GOM_TRA_1PNPDE20080419_012757_000000532067_00461_32078_8786.N1	19-APR-2008 01:27:57	Straylight	52.500	4	Alp1Cen	-0.010000	5800.0	105	32078	No
20	GOM_TRA_1PNPDE20080419_012958_000000362067_00461_32078_8787.N1	19-APR-2008 01:29:58	Straylight	35.500	20	Bet Cru	1.2530	30000.	71	32078	No
21	GOM_TRA_1PNPDE20080419_013256_000000392067_00461_32078_8788.N1	19-APR-2008 01:32:56	Straylight	38.500	64	Gam Cen	2.2000	10600.	77	32078	No
22	GOM_TRA_1PNPDE20080419_013504_000000442067_00461_32078_8789.N1	19-APR-2008 01:35:04	Straylight	43.500	54	5The Cen	2.0550	4500.0	87	32078	No
23	GOM_TRA_1PNPDE20080419_014003_000000402067_00461_32078_8790.N1	19-APR-2008 01:40:03	Twilight_and_stray	40.000	106	9Bet Crv	2.6480	5600.0	80	32078	No
24	GOM_TRA_1PNPDE20080419_014311_000000432067_00461_32078_8791.N1	19-APR-2008 01:43:11	Bright	42.500	15	67Alp Vir	0.97600	28000.	85	32078	No
25	GOM_TRA_1PNPDE20080419_014613_000000372067_00461_32078_8792.N1	19-APR-2008 01:46:13	Bright	37.000	121	29Gam Vir	2.7400	7200.0	74	32078	No
26	GOM_TRA_1PNPDE20080419_014952_000000382067_00461_32078_8793.N1	19-APR-2008 01:49:52	Bright	38.000	138	47Eps Vir	2.8280	4700.0	76	32078	No
27	GOM_TRA_1PNPDE20080419_015304_000000362067_00461_32078_8794.N1	19-APR-2008 01:53:04	Bright	36.000	96	68Del Leo	2.5600	9300.0	72	32078	No
28	GOM_TRA_1PNPDE20080419_015752_000000372067_00461_32078_8795.N1	19-APR-2008 01:57:52	Bright	36.500	152	12Alp2CVn	2.8900	11000.	73	32078	No
29	GOM_TRA_1PNPDE20080419_015938_000000372067_00461_32078_8796.N1	19-APR-2008 01:59:38	Bright	36.500	174	52Psi UMa	3.0040	4400.0	73	32078	No
30	GOM_TRA_1PNPDE20080419_020155_000000342067_00461_32078_8797.N1	19-APR-2008 02:01:55	Bright	34.000	87	64Gam UMa	2.4330	11000.	68	32078	No
31	GOM_TRA_1PNPDE20080419_020421_000000362067_00461_32078_8798.N1	19-APR-2008 02:04:21	Bright	35.500	36	50Alp UMa	1.8000	6300.0	71	32078	No
32	GOM_TRA_1PNPDE20080419_021218_000000332067_00461_32078_8799.N1	19-APR-2008 02:12:18	Bright	33.000	49	1Alp UMi	1.9900	6300.0	66	32078	No
33	GOM_TRA_1PNPDE20080419_021941_000000382067_00461_32078_8949.N1	19-APR-2008 02:19:41	Bright	37.500	110	37Del Cas	2.6780	8900.0	75	32078	Yes
34	GOM_TRA_1PNPDE20080419_022113_000000352067_00461_32078_8950.N1	19-APR-2008 02:21:13	Bright	34.500	68	18Alp Cas	2.2250	4500.0	69	32078	No
35	GOM_TRA_1PNPDE20080419_022938_000000412067_00461_32078_8951.N1	19-APR-2008 02:29:38	Bright	41.000	164	44Eta Peg	2.9480	5400.0	82	32078	No
36	GOM_TRA_1PNPDE20080419_023344_000000422067_00461_32078_8952.N1	19-APR-2008 02:33:44	Twilight_and_stray	41.500	90	54Alp Peg	2.4870	11000.	83	32078	No
37	GOM_TRA_1PNPDE20080419_024613_000000422067_00461_32078_8953.N1	19-APR-2008 02:46:13	Dark	42.000	18	24Alp PsA	1.1660	9700.0	84	32078	No
38	GOM_TRA_1PNPDE20080419_024948_000000392067_00461_32078_8954.N1	19-APR-2008 02:49:48	Dark	38.500	172	Gam Gru	3.0030	13100.	77	32078	No
39	GOM_TRA_1PNPDE20080419_025145_000000402067_00461_32078_8955.N1	19-APR-2008 02:51:45	Dark	40.000	31	Alp Gru	1.7340	15200.	80	32078	No
40	GOM_TRA_1PNPDE20080419_025451_000000362067_00461_32078_8956.N1	19-APR-2008 02:54:51	Dark	36.000	148	Alp Tuc	2.8780	4100.0	72	32078	No
41	GOM_TRA_1PNPDE20080419_043729_000000392067_00463_32080_9141.N1	19-APR-2008 04:37:29	Dark	39.000	45	Alp Pav	1.9400	26000.	78	32080	No
42	GOM_TRA_1PNPDE20080419_044442_000000412067_00463_32080_9142.N1	19-APR-2008 04:44:42	Dark	40.500	43	Alp TrA	1.9100	4250.0	81	32080	No
43	GOM_TRA_1PNPDE20080419_044650_000000392067_00463_32080_9143.N1	19-APR-2008 04:46:50	Straylight	38.500	134	Bet TrA	2.8100	6600.0	77	32080	No
44	GOM_TRA_1PNPDE20080419_044909_000000392067_00463_32080_9144.N1	19-APR-2008 04:49:09	Straylight	39.000	4	Alp1Cen	-0.010000	5800.0	78	32080	No
45	GOM_TRA_1PNPDE20080419_045110_000000402067_00463_32080_9145.N1	19-APR-2008 04:51:10	Straylight	40.000	20	Bet Cru	1.2530	30000.	80	32080	No
46	GOM_TRA_1PNPDE20080419_045408_000000372067_00463_32080_9146.N1	19-APR-2008 04:54:08	Straylight	36.500	64	Gam Cen	2.2000	10600.	73	32080	No
47	GOM_TRA_1PNPDE20080419_045658_000000372067_00463_32080_9147.N1	19-APR-2008 04:56:58	Straylight	37.000	123	lot Cen	2.7500	10200.	74	32080	No
48	GOM_TRA_1PNPDE20080419_050116_000000392067_00463_32080_9148.N1	19-APR-2008 05:01:16	Twilight_and_stray	39.000	106	9Bet Crv	2.6480	5600.0	78	32080	No
49	GOM_TRA_1PNPDE20080419_050314_000000372067_00463_32080_9149.N1	19-APR-2008 05:03:14	Bright	36.500	163	7Del Crv	2.9450	11000.	73	32080	No

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



4. Overview of dark signal processing per product

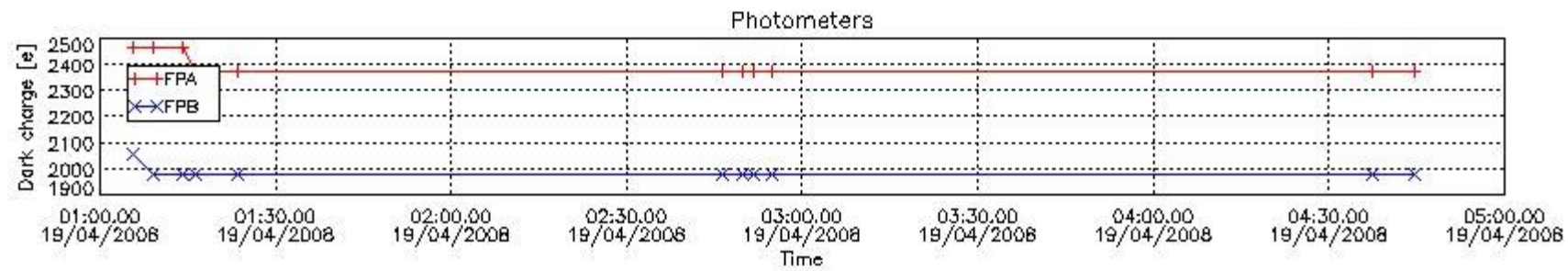
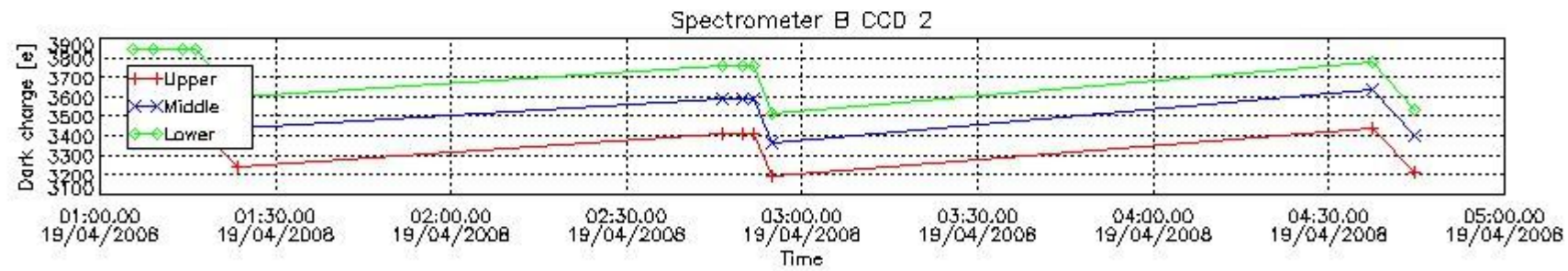
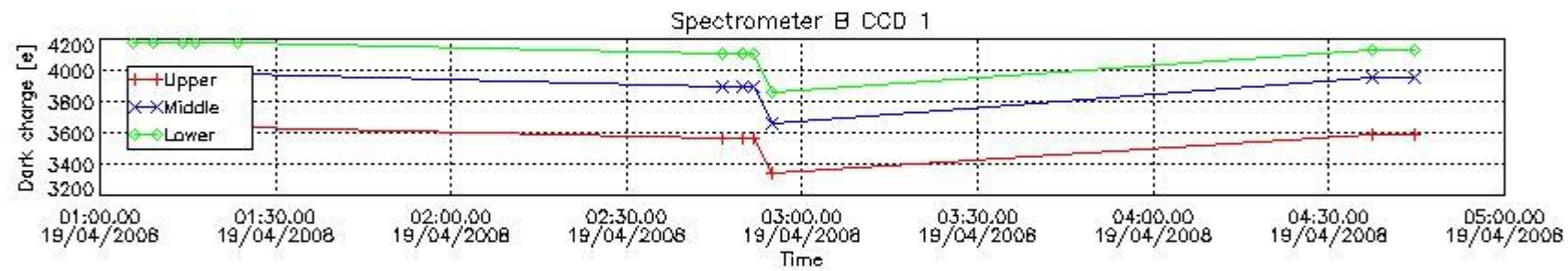
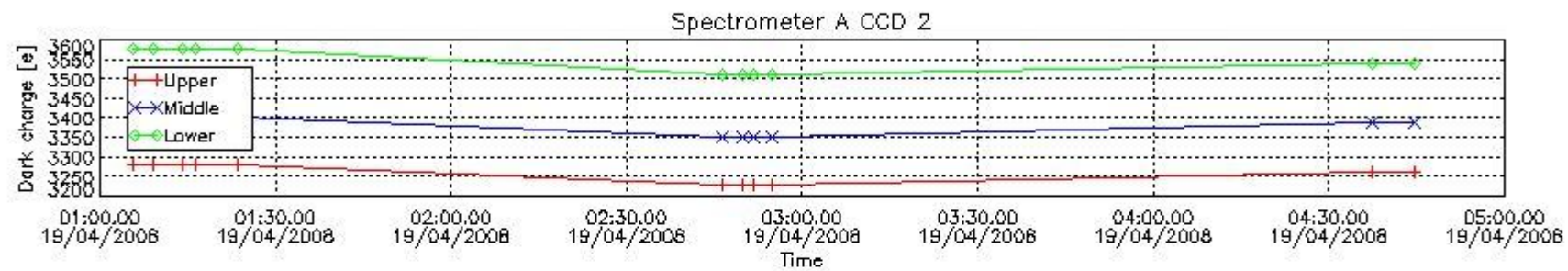
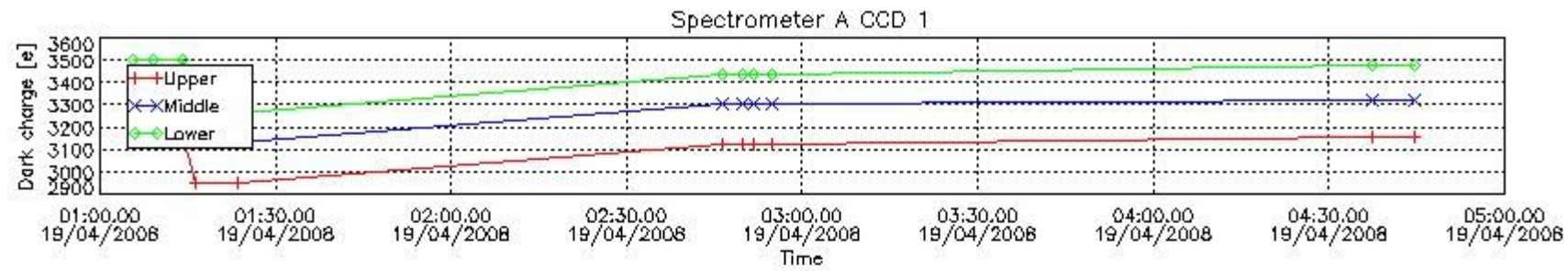
The Dark Charge (DC) is a temperature-dependant signal added to the useful measurements and it is therefore subtracted from them during the processing. There are two phenomena that produce a continuous increase of the DC: the "hot pixels" (a pixel is "hot" when its DC exceeds by a significant amount its value measured on ground at the same temperature) and the "Random Telegraphic Signal" (abrupt change positive or negative of the CCD pixel signal, random in time, affecting only the DC part of the signal and not the photon generated signal).

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

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

Product name	DC information
GOM_TRA_1PNPDE20080419_043729_000000392067_00463_32080_9141.N1	DC map used
GOM_TRA_1PNPDE20080419_044442_000000412067_00463_32080_9142.N1	DC map used
GOM_TRA_1PNPDE20080419_044650_000000392067_00463_32080_9143.N1	DC map used
GOM_TRA_1PNPDE20080419_044909_000000392067_00463_32080_9144.N1	DC map used
GOM_TRA_1PNPDE20080419_045110_000000402067_00463_32080_9145.N1	DC map used
GOM_TRA_1PNPDE20080419_045408_000000372067_00463_32080_9146.N1	DC map used
GOM_TRA_1PNPDE20080419_045658_000000372067_00463_32080_9147.N1	DC map used
GOM_TRA_1PNPDE20080419_050116_000000392067_00463_32080_9148.N1	DC map used
GOM_TRA_1PNPDE20080419_050314_000000372067_00463_32080_9149.N1	DC map used

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



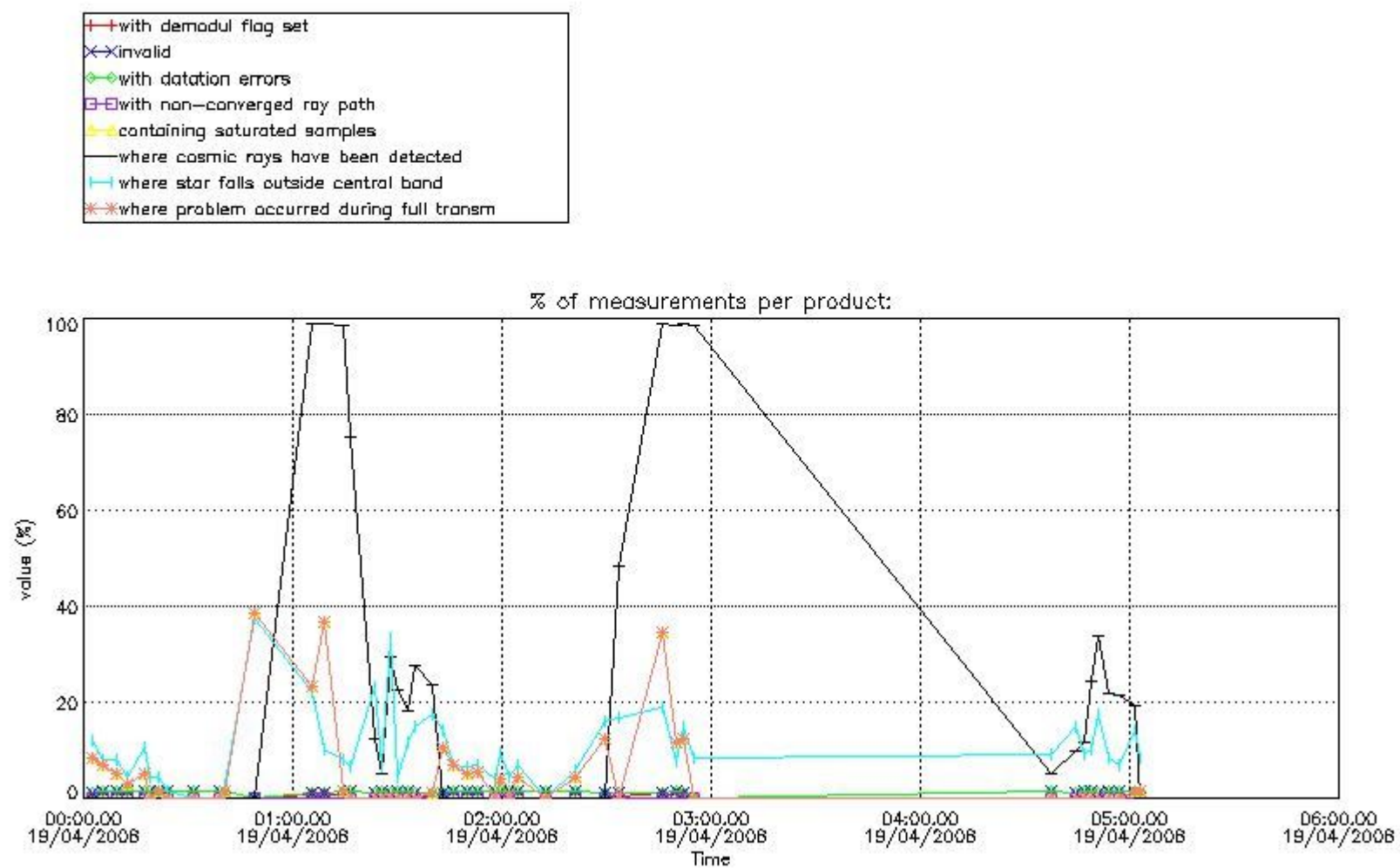
5. Demodulation flag and quality information monitoring

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.

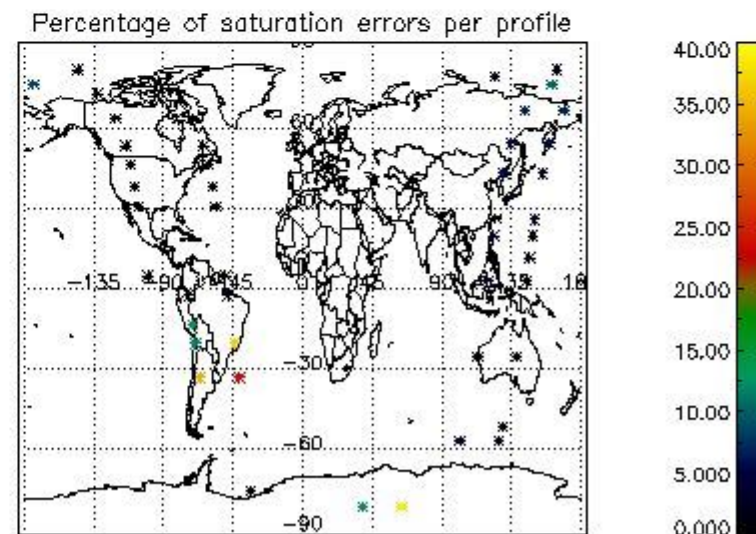
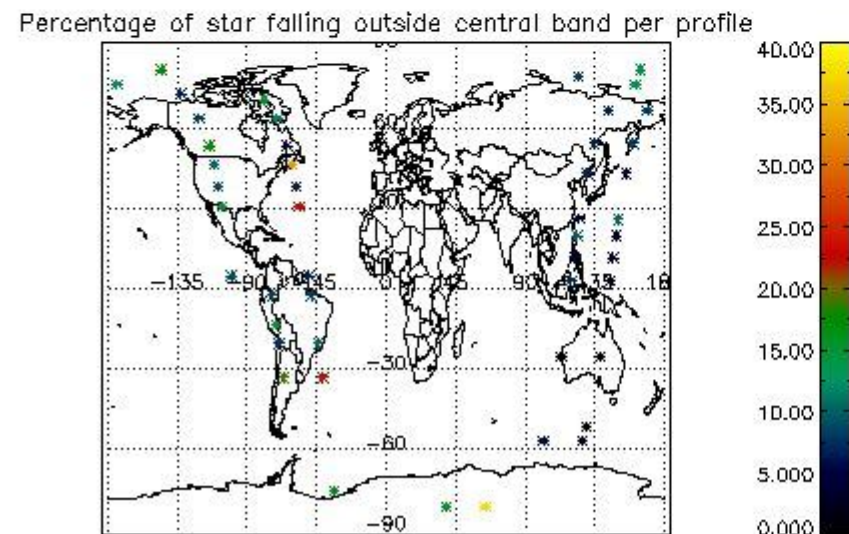
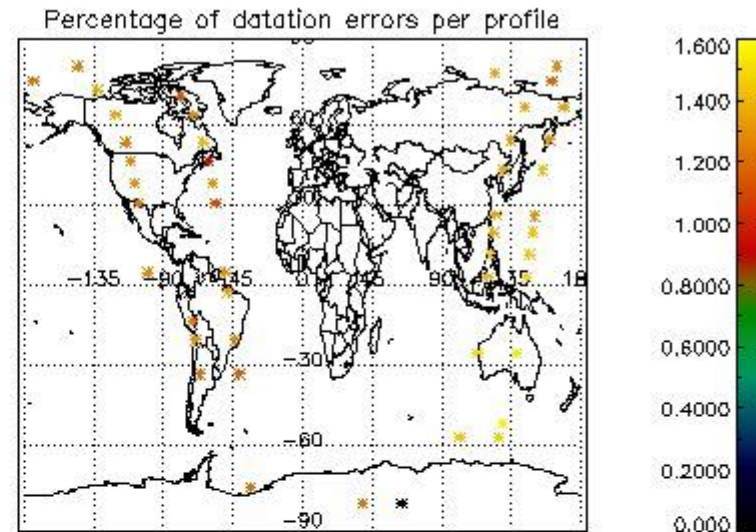
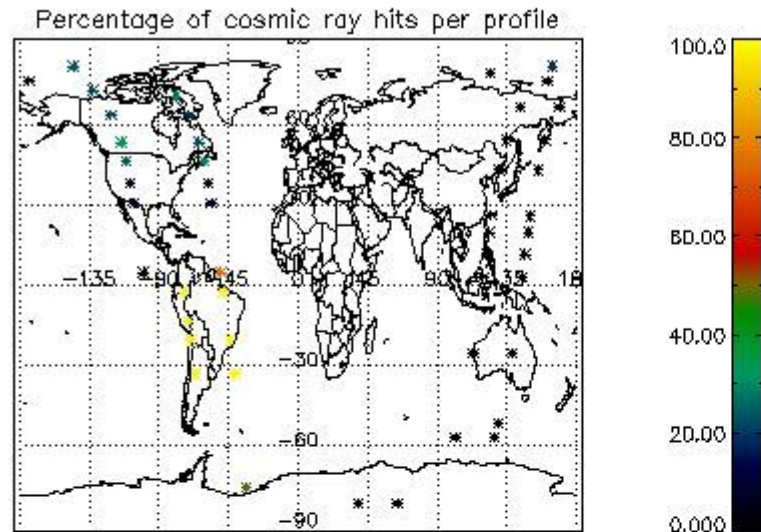
5.1 Percentage of products during reporting period with:

At least one measurement with demodulation flag set:	31.2500 %
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)



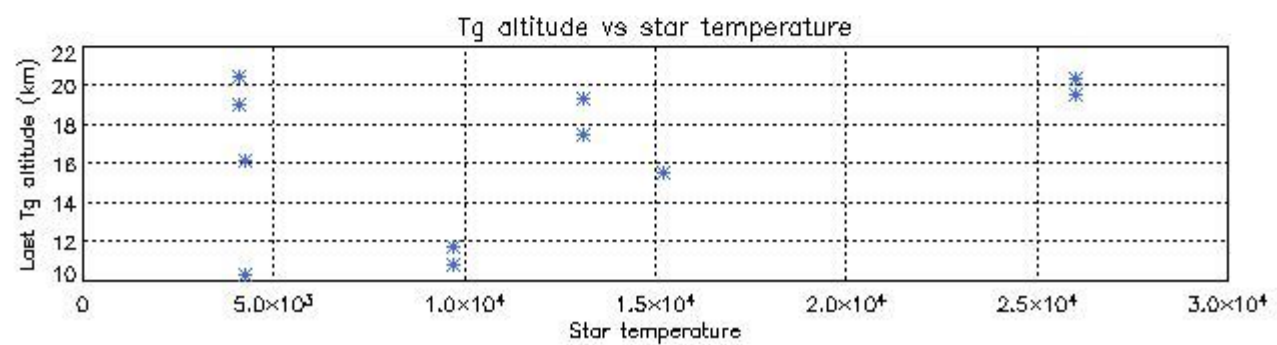
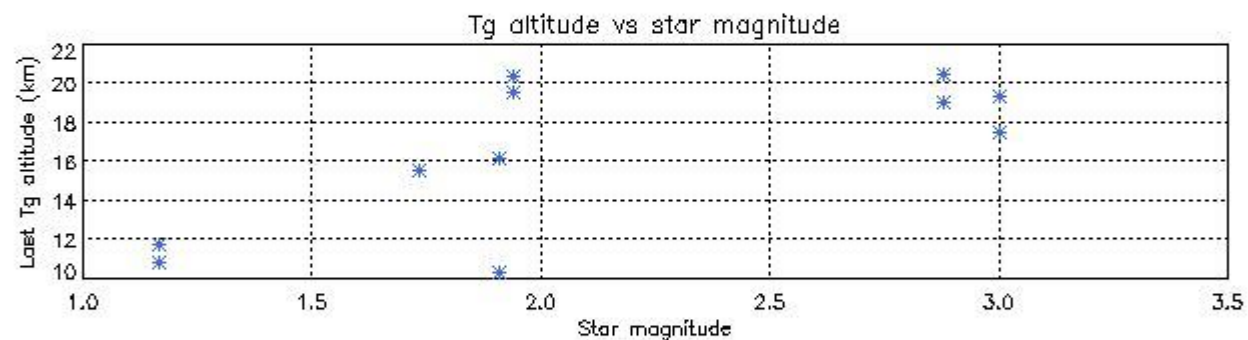
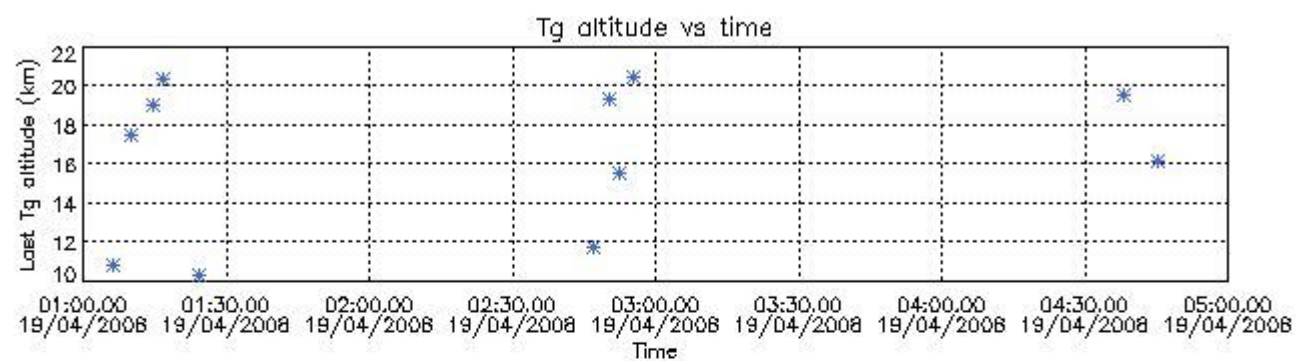
6. Statistics and plot of tangent altitude of the last measurement (DARK & BRIGHT products without errors)

6.1 Statistics on tangent altitude lost:

Statistics	DARK	BRIGHT	TWILIGHT
Mean:	16.432	20.740	NaN
St. deviation:	3.8641	5.1606	NaN
Maximum:	20.458	29.228	NaN
Minimum:	10.319	3.9908	NaN
Number of data:	11.000	24.000	NaN

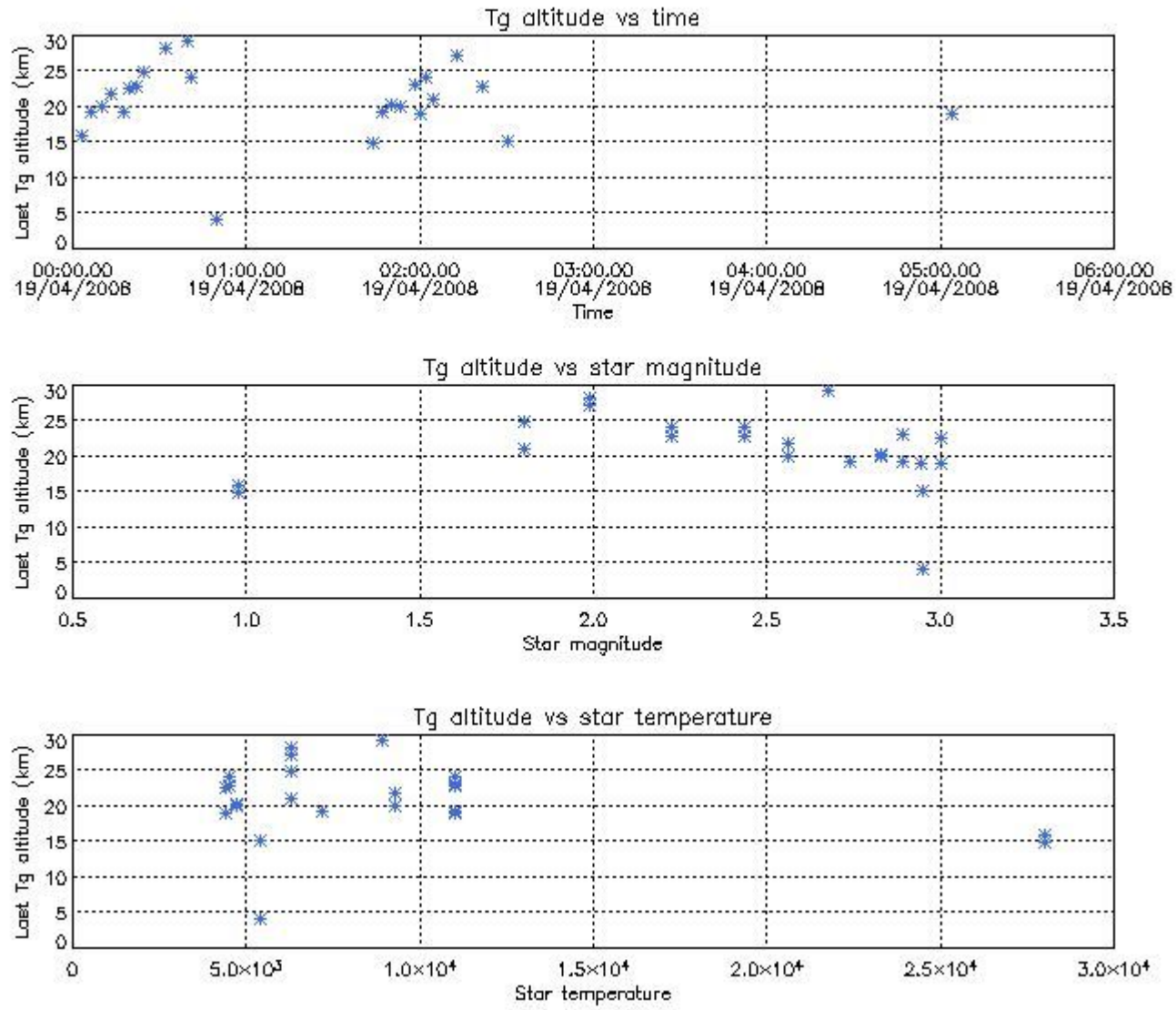
6.2 Plot for DARK limb products

Tangent altitude at which the star is lost



6.3 Plot for BRIGHT limb products

Tangent altitude at which the star is lost

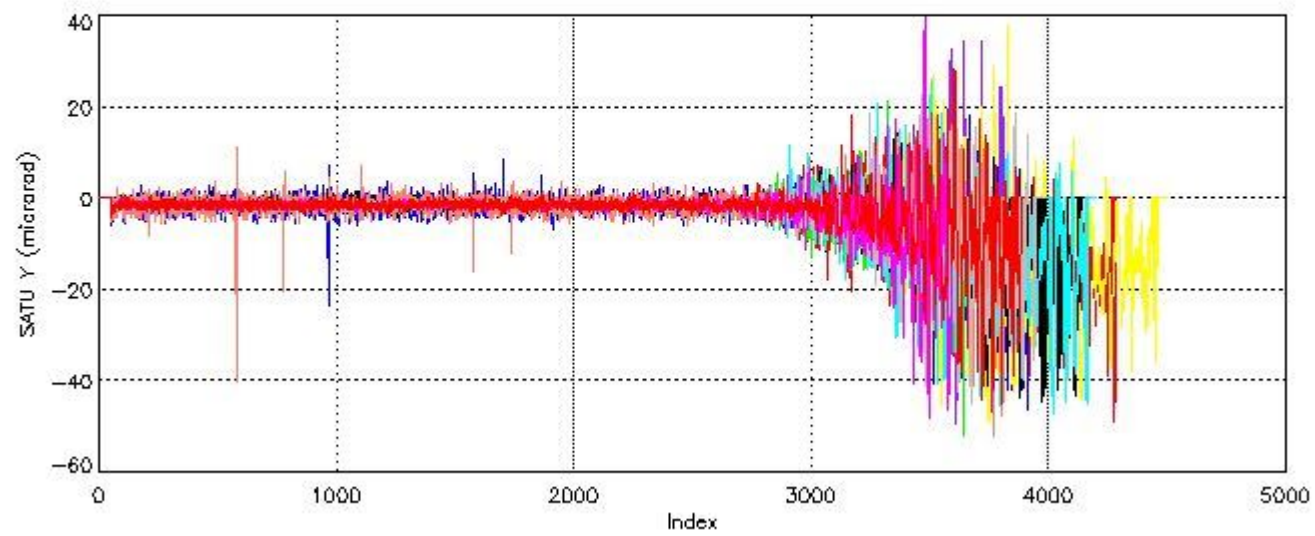
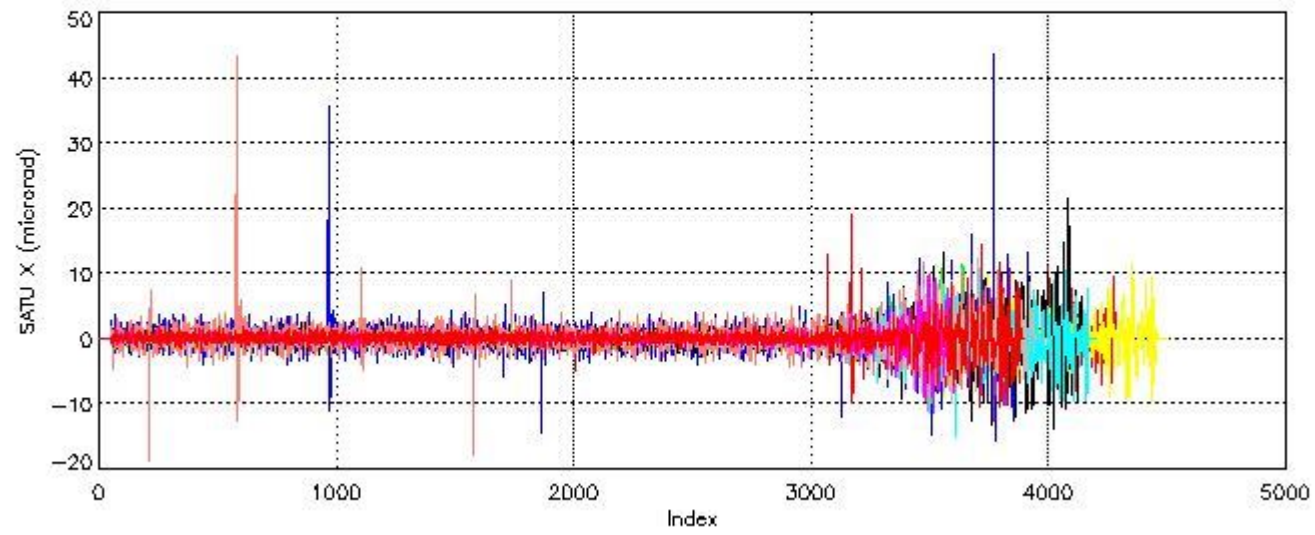


7. Star Acquisition and Tracking Unit (SATU)

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

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

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



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

The Star Acquisition and Tracking Unit (it is the CCD that tracks the star while it is occulted) Noise Equivalent Angle consists of the statistical angular variation of the SATU data above the atmosphere. Statistics (in microradians) above 105 km are computed for every occultation, giving four values per occultation: one in the 'X' direction and one in the 'Y' direction for dark and bright limbs. A mean value per day in every direction and limb is calculated and monitored in order to assess instrument performance in terms of star pointing.

7.2.1 SATU NEA Statistics (table)

Statistics	SATU X (D)	SATU Y (D)	SATU X (B)	SATU Y (B)
Mean:	0.016023	-1.3980	0.060849	-1.3118
St. deviation:	0.65568	0.82792	0.84056	0.97328
Maximum:	43.200	11.000	5.9000	3.8000
Minimum:	-18.700	-40.200	-5.3000	-9.6000

Number of data:	9600.0	9600.0	19850.	19850.
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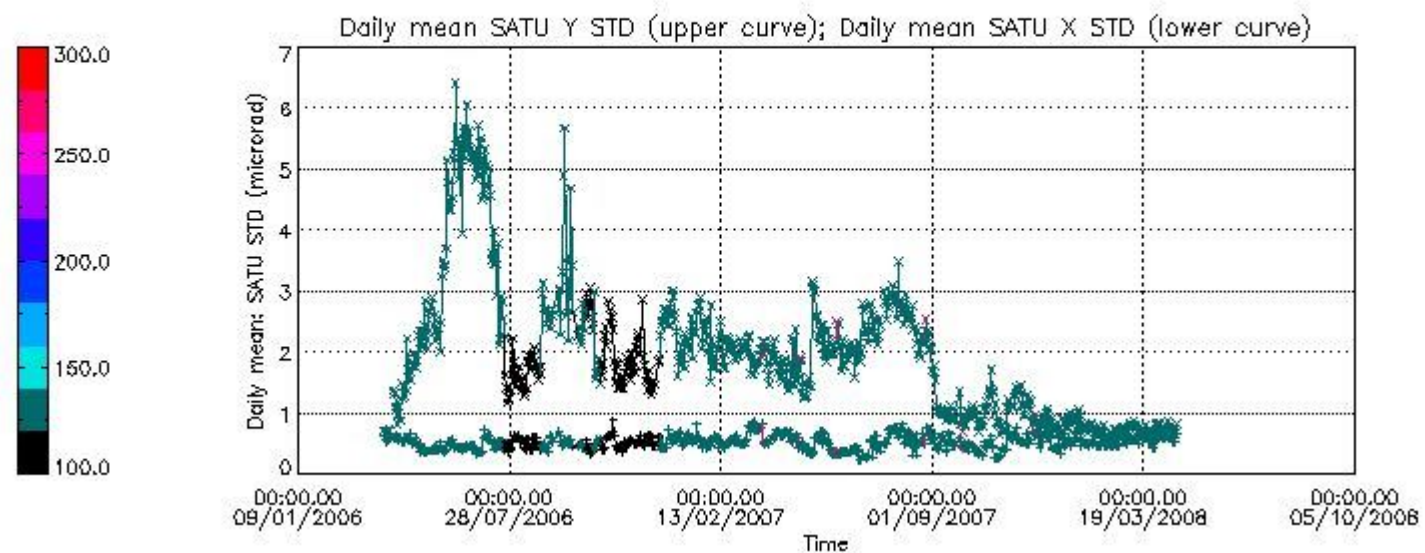
7.2.2 Trend of daily SATU NEA St. deviation since 1st April 2006 (dark limb)

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

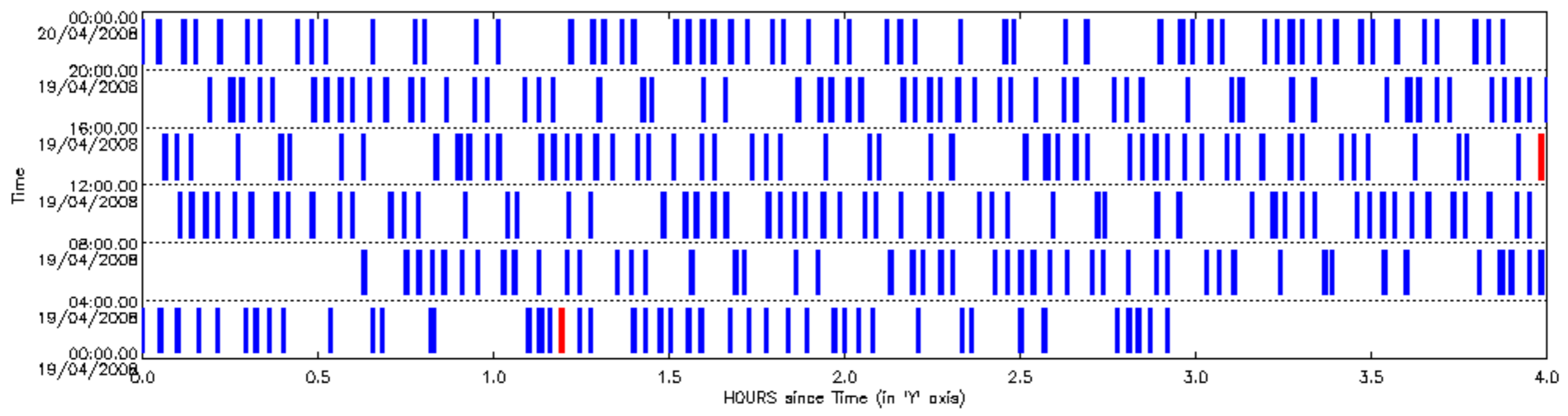
Lower curve: STD of SATU X axis

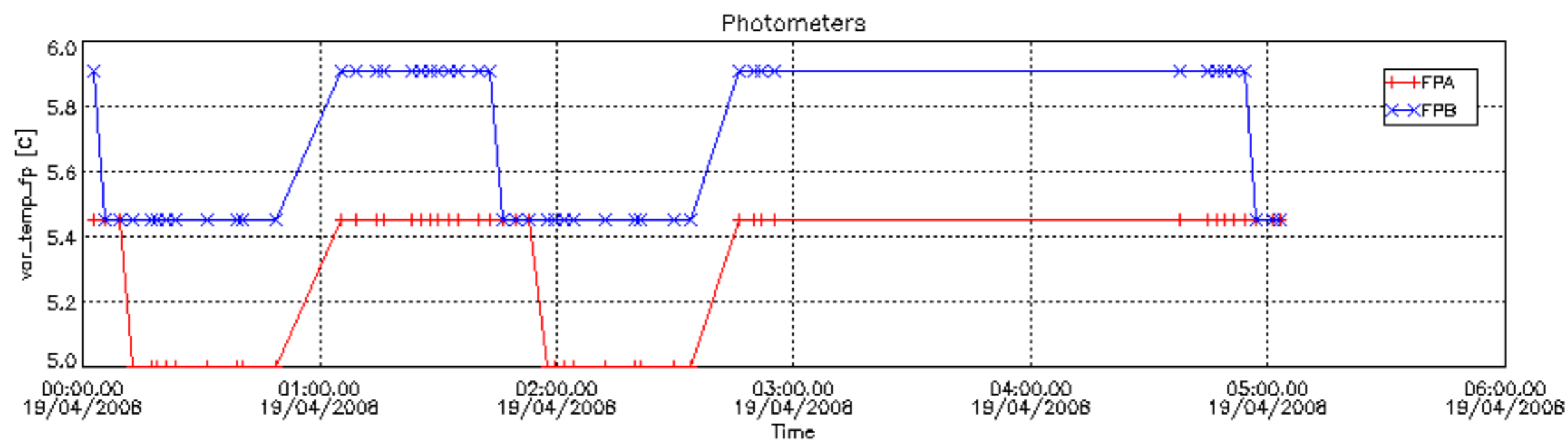
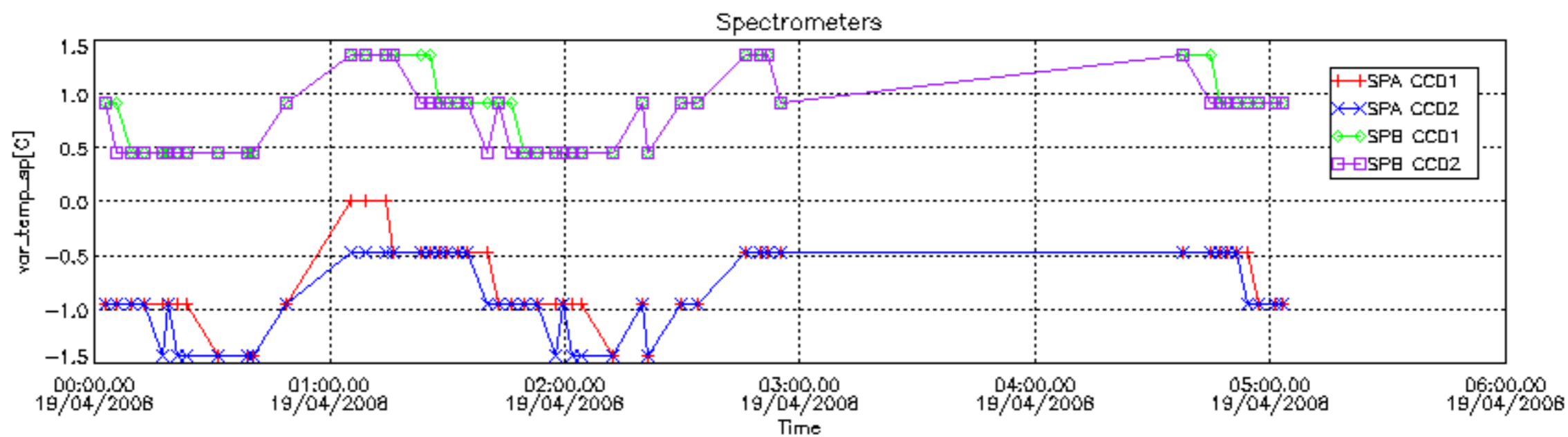


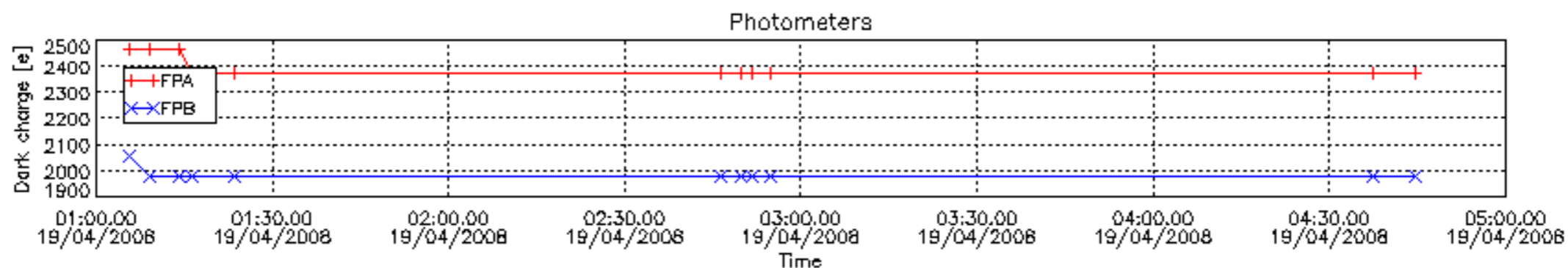
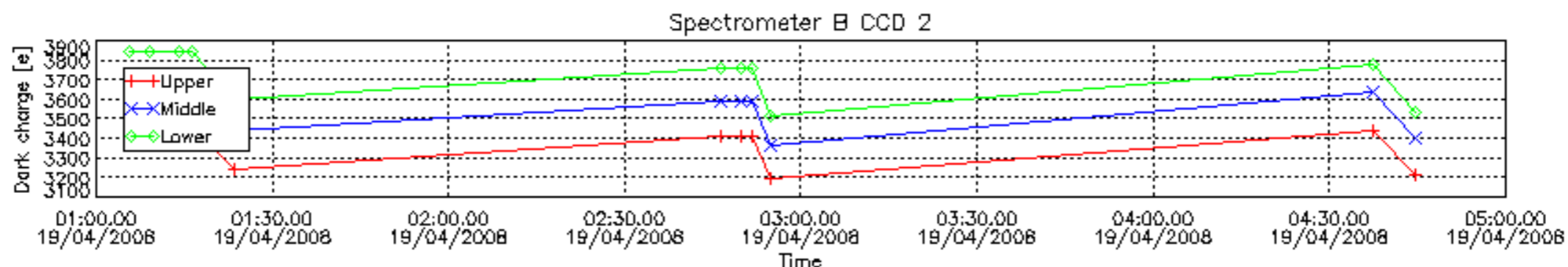
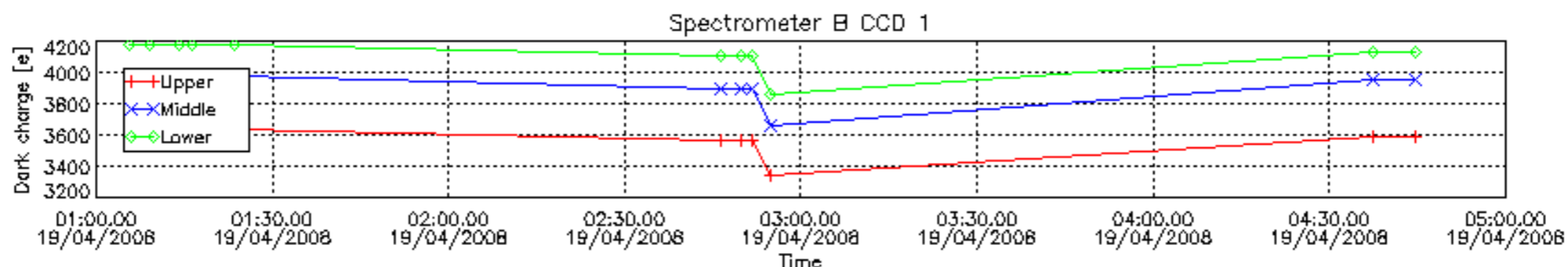
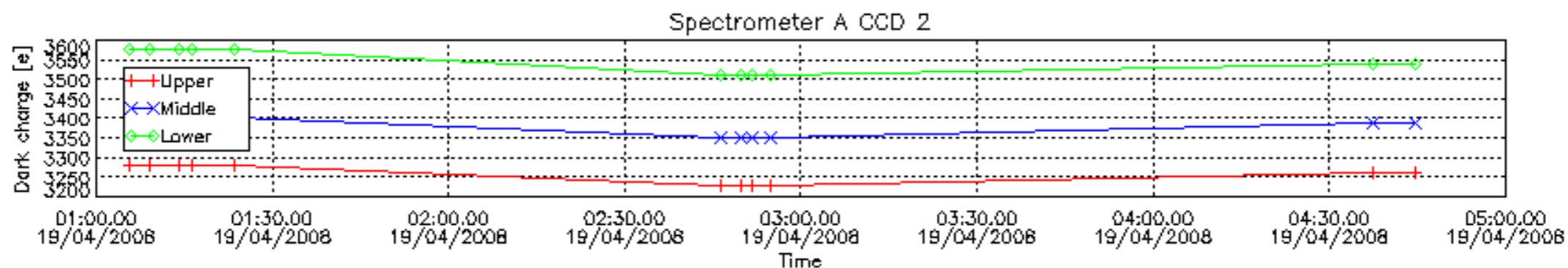
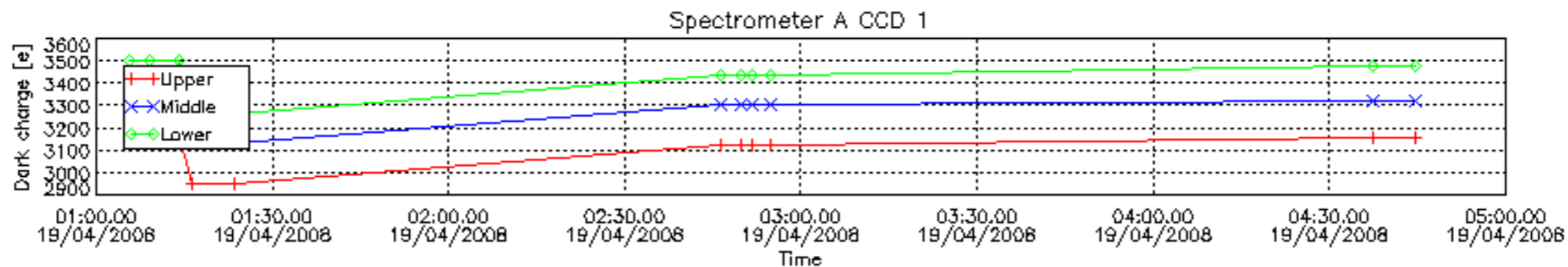
8. Auxiliary Data Files used for the production reported in section 2.4

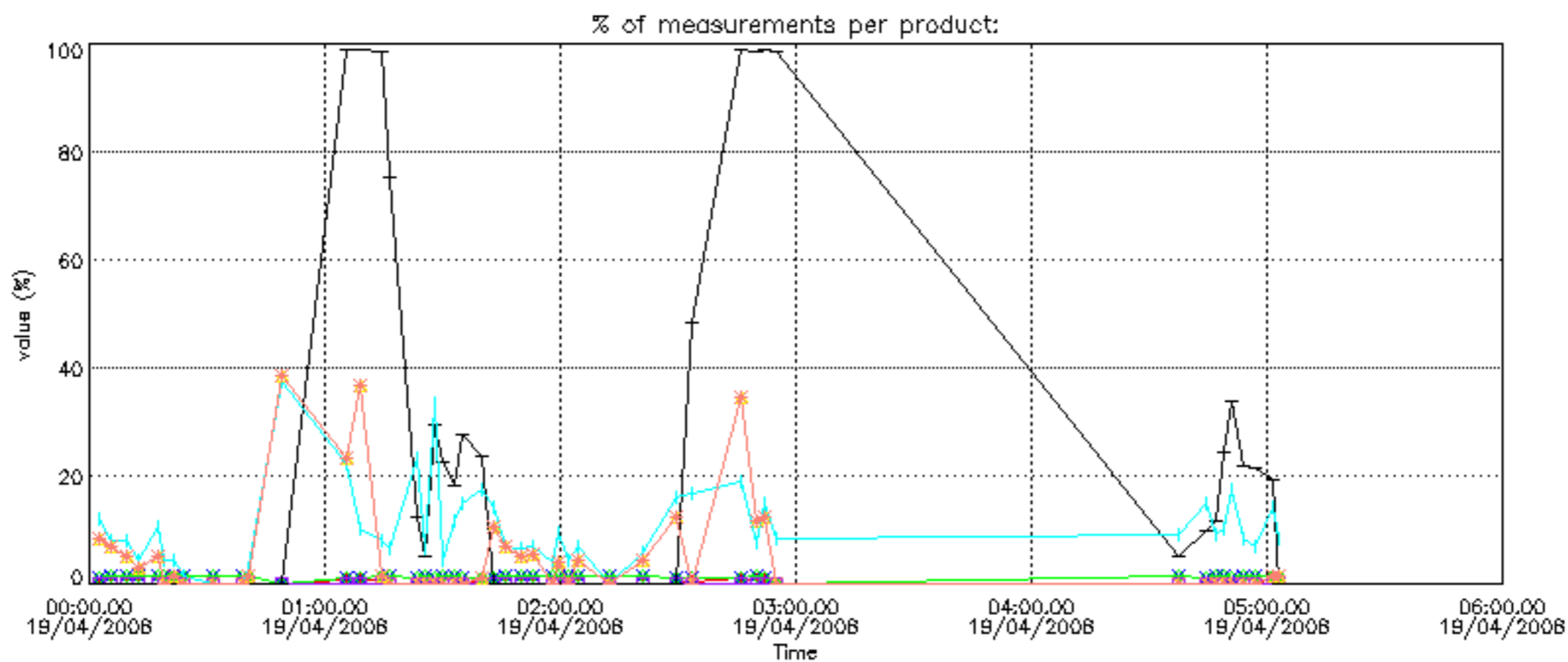
The number reported in the third column indicates since which file (see list in section 2.4) the corresponding auxiliary file has been used. The fourth column is the date of those product files.

Type	Auxiliary Filename	Used since product	Used since product date
INST_PHYS_CHARACTERISTICS	GOM_INS_AXNIEC20050627_150713_20030716_120000_20100101_000000	1	19-APR-2008 00:02:35
CALIBRATION_DATABASE	GOM_CAL_AXVIEC20080408_074258_20080406_000000_20100101_000000	1	19-APR-2008 00:02:35
LEVEL-1B_PROC_CONFIG	GOM_PR1_AXNIEC20050627_151042_20020301_000000_20100101_000000	1	19-APR-2008 00:02:35
STAR_CATALOGUE	GOM_CAT_AXVIEC20020121_161009_20020101_000000_20200101_000000	1	19-APR-2008 00:02:35
STELLAR_SPECTRA_DATABANK	GOM_STS_AXNIEC20040308_103538_20020101_160000_20100101_000000	1	19-APR-2008 00:02:35
ECMWF_FILE	AUX_ECF_AXNECM20080418_072112_20080418_210000_20080419_090000	1	19-APR-2008 00:02:35
ECMWF_FILE	AUX_ECF_AXNECM20080418_192114_20080419_030000_20080419_150000	41	19-APR-2008 04:37:29
OPTIONAL_ECMWF_FILE	MISSING	1	19-APR-2008 00:02:35
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20080418_213619_000060572067_00458_32075_5363.N1	1	19-APR-2008 00:02:35
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20080418_231716_000057382067_00459_32076_5364.N1	13	19-APR-2008 01:05:36
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20080419_005813_000044632067_00460_32077_5365.N1	33	19-APR-2008 02:19:41
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20080419_021755_000054192067_00461_32078_5366.N1	41	19-APR-2008 04:37:29

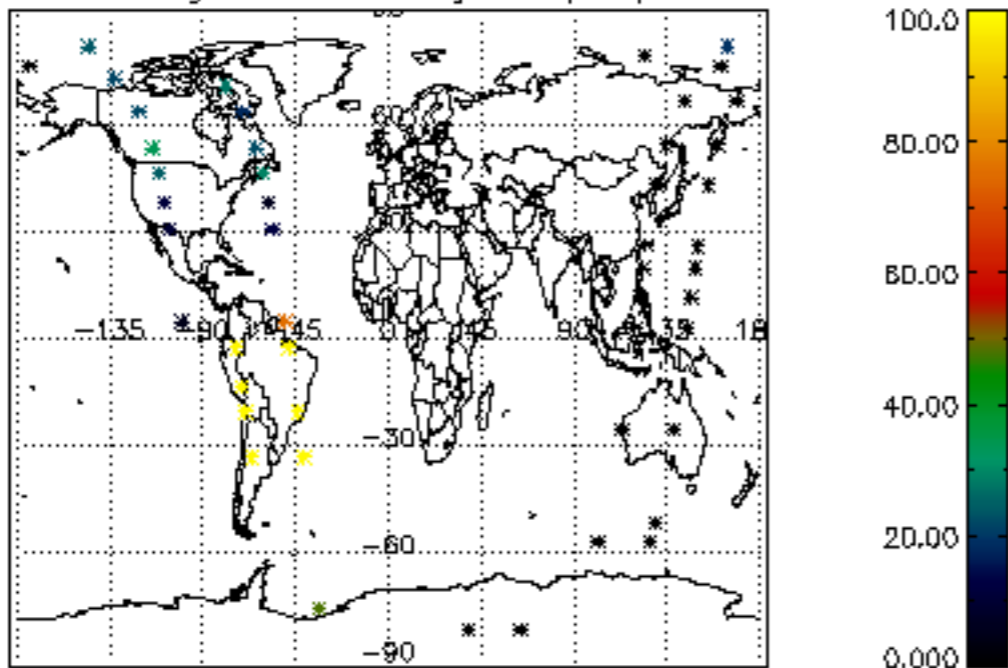




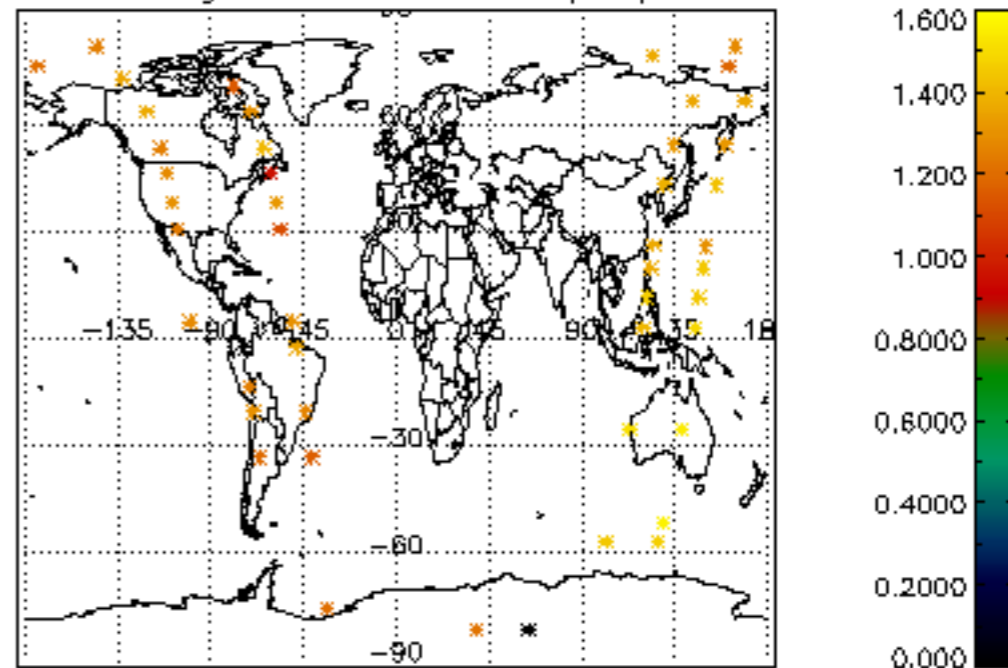




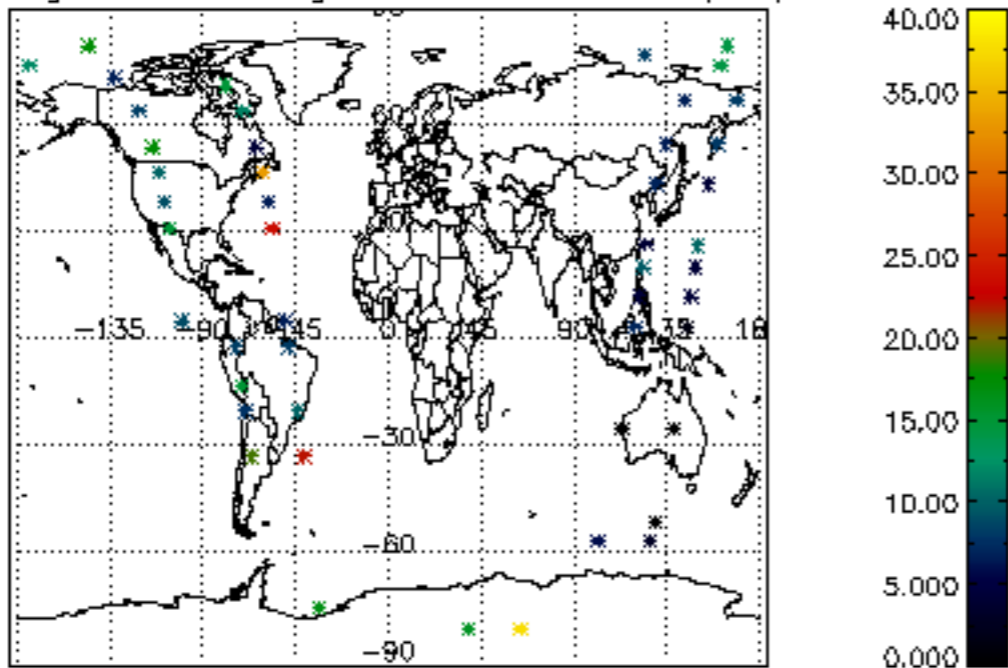
Percentage of cosmic ray hits per profile



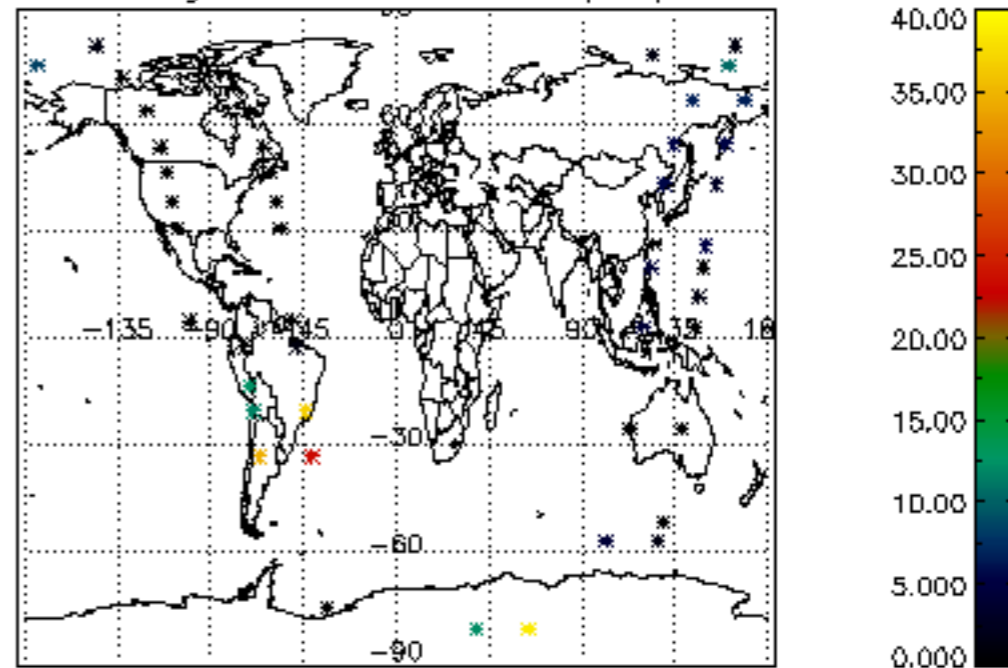
Percentage of datation errors per profile



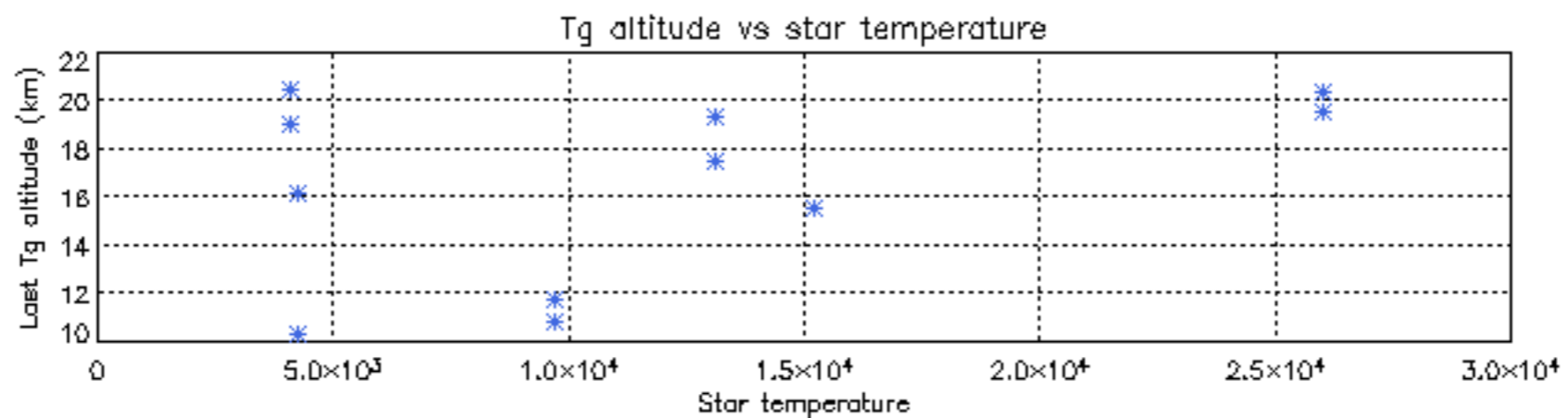
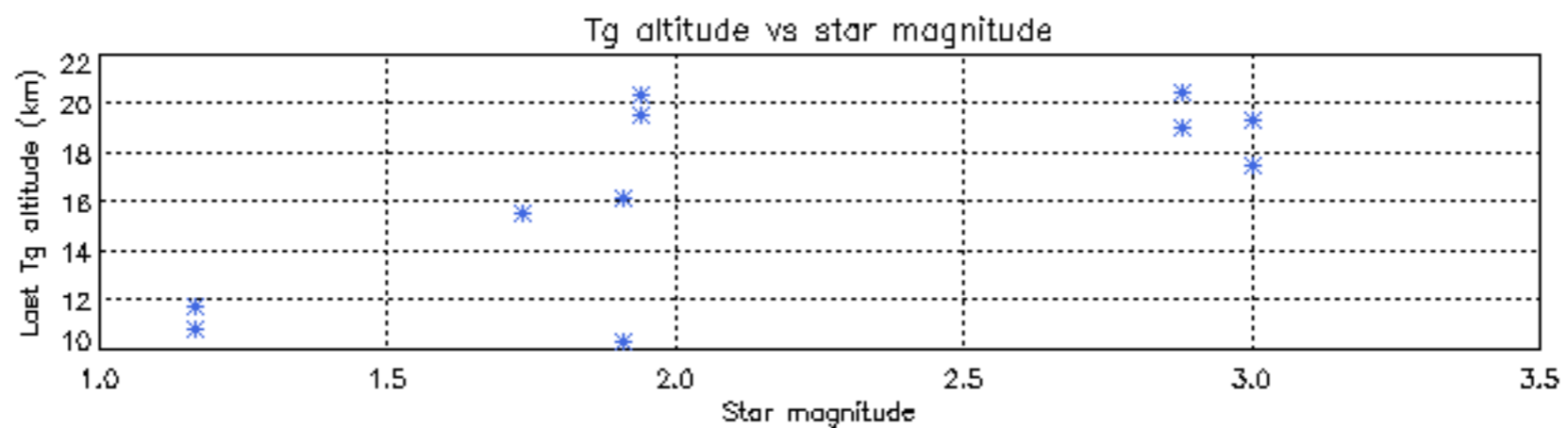
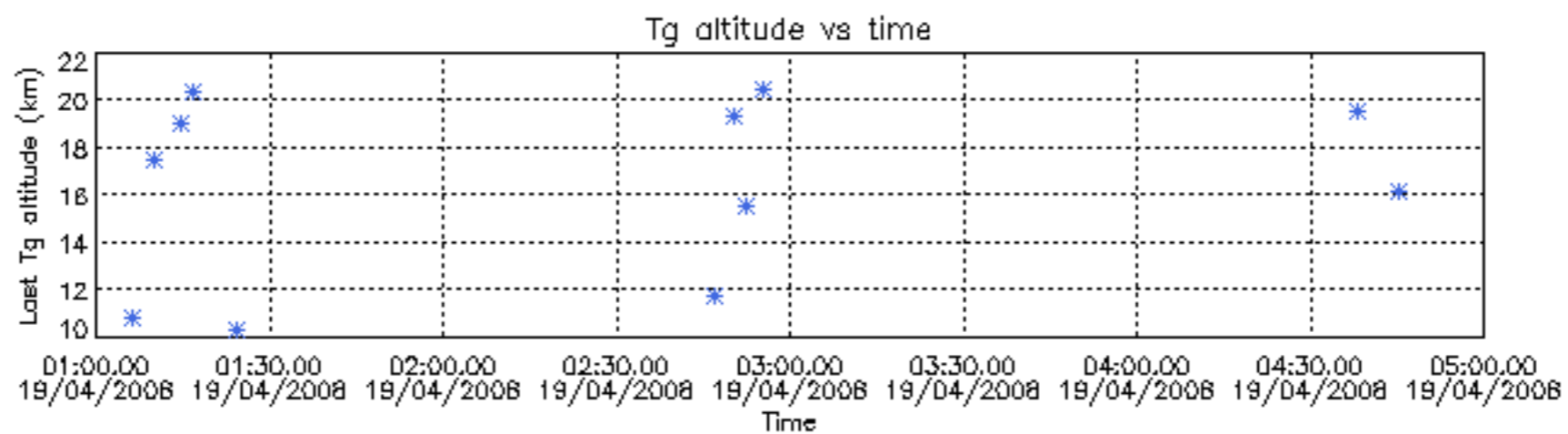
Percentage of star falling outside central band per profile

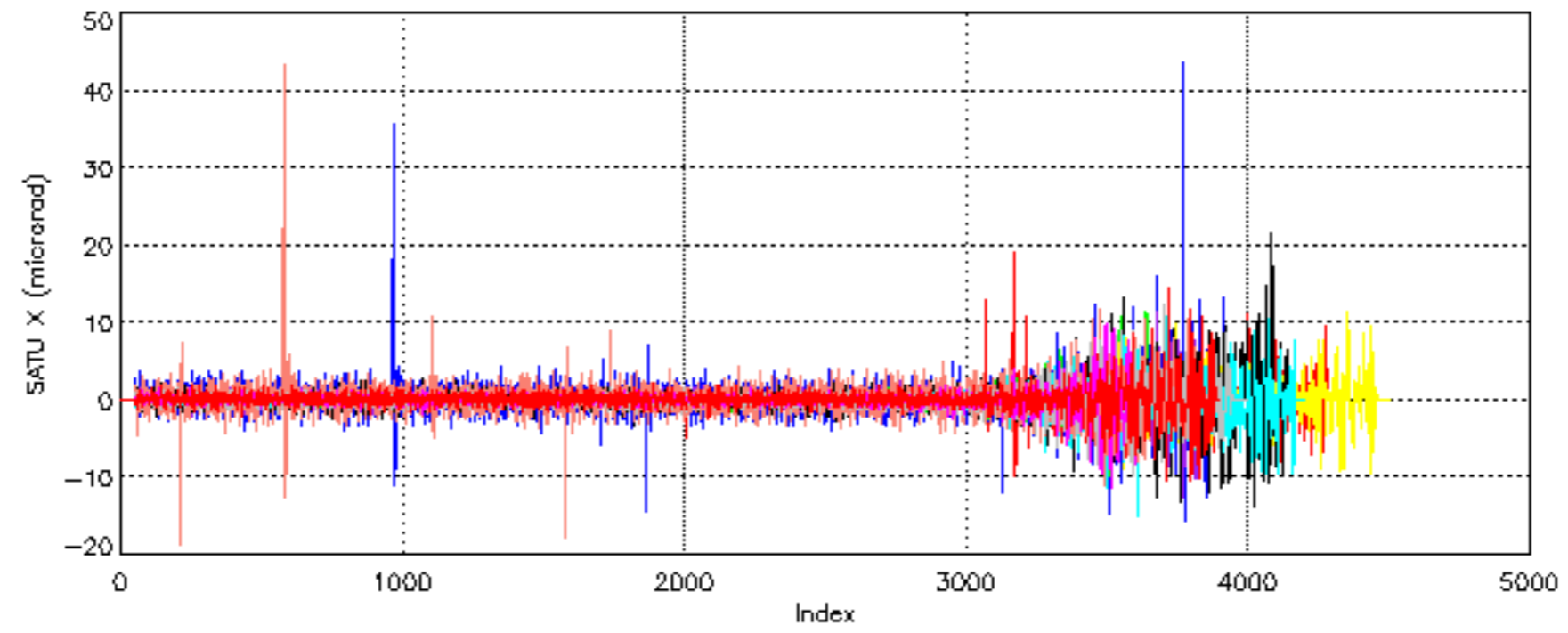


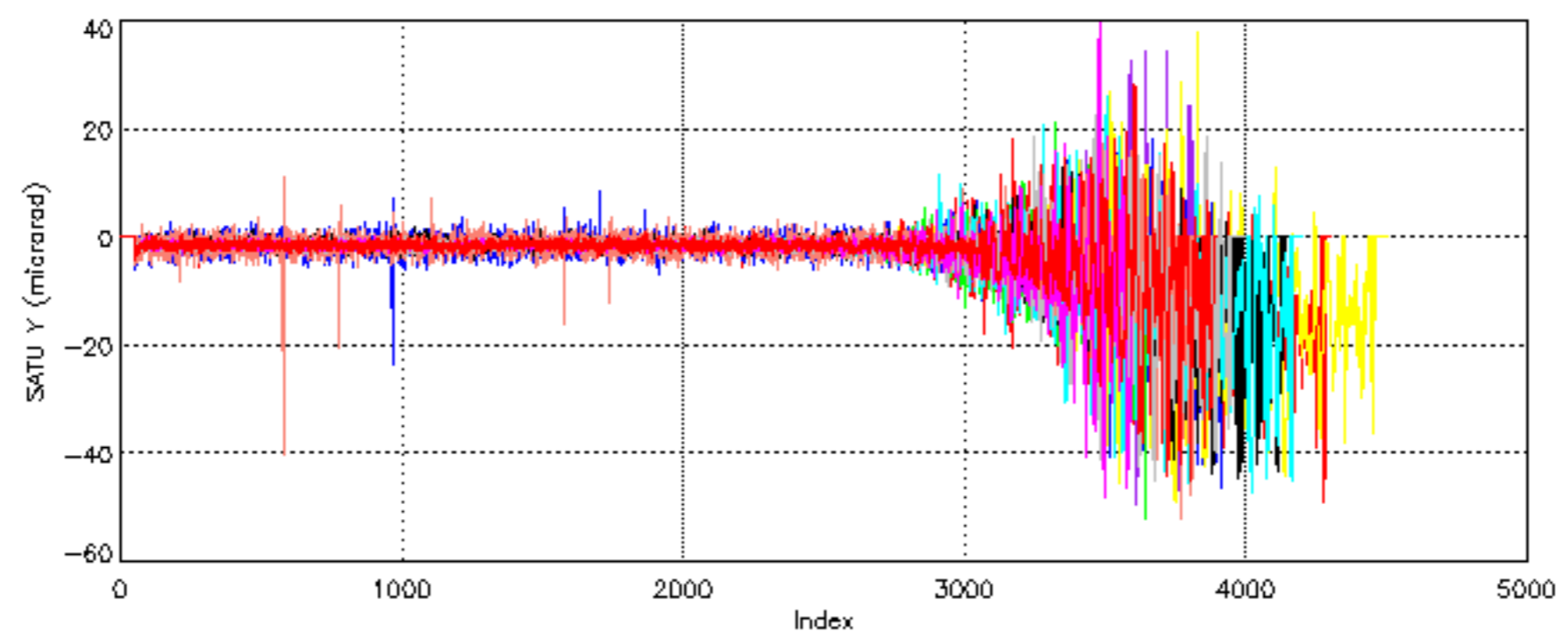
Percentage of saturation errors per profile

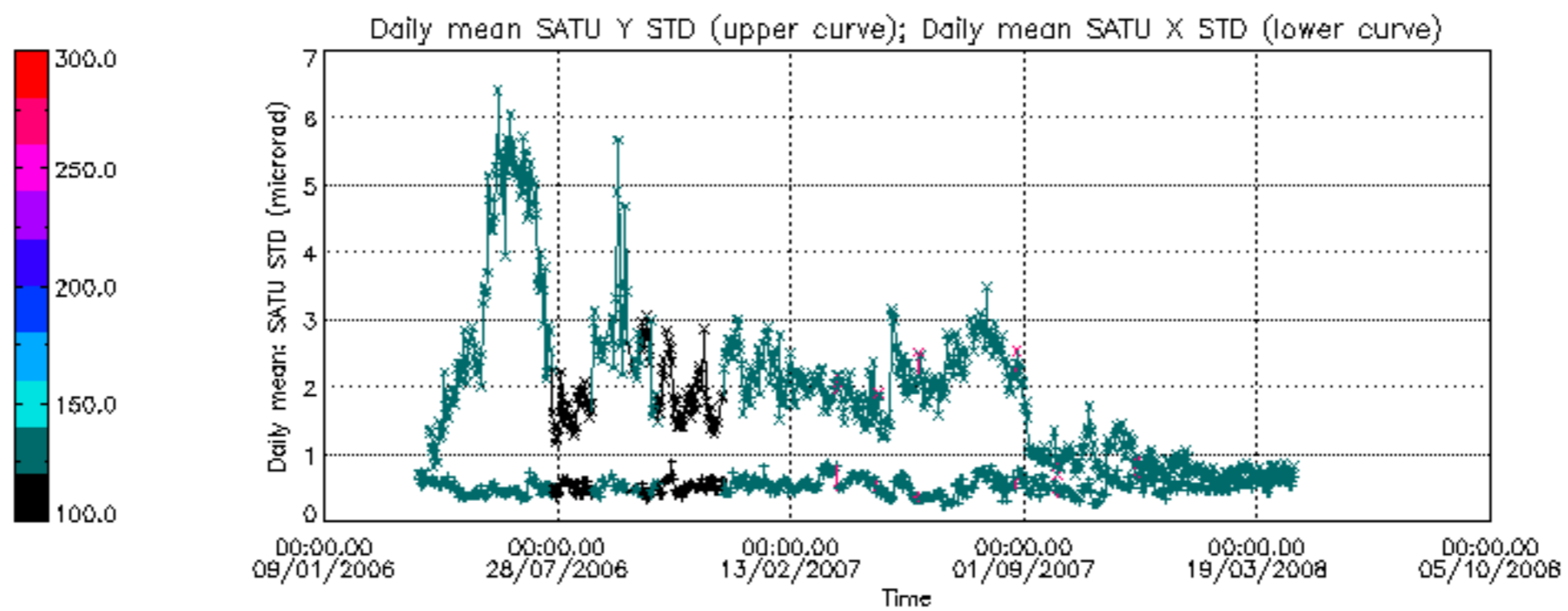


Tangent altitude at which the star is lost









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 2; 2257.5; 01-APR-2008 06:19:53; Bright; 35.5; 96; 68Del Leo ; 2.56; 9300;occ; 71; 0;31823
 3; 2666.1; 01-APR-2008 06:26:42; Bright; 35.5; 174; 52Psi UMa ; 3.00; 4400;occ; 71; 0;31823
 4; 2846.9; 01-APR-2008 06:29:43; Bright; 36.0; 87; 64Gam UMa ; 2.43; 11000;occ; 72; 0;31823
 5; 2957.8; 01-APR-2008 06:31:33; Bright; 37.0; 36; 50Alp UMa ; 1.80; 6300;occ; 74; 0;31823
 6; 3440.4; 01-APR-2008 06:39:36; Bright; 36.5; 49; 1Alp UMi ; 1.99; 6300;occ; 73; 0;31823
 7; 3901.8; 01-APR-2008 06:47:17; Bright; 37.0; 89; 5Alp Cep ; 2.45; 8000;occ; 74; 0;31823
 8; 4829.7; 01-APR-2008 07:02:45; Dark ; 44.0; 61; 8Eps Peg ; 2.10; 3900;occ; 88; 0;31823
 9; 5105.8; 01-APR-2008 07:07:21; Dark ; 39.0; 154; 22Bet Aqr ; 2.90; 5700;occ; 78; 0;31823
 10; 5259.9; 01-APR-2008 07:09:56; Dark ; 40.0; 142; 49Del Cap ; 2.85; 8900;occ; 80; 0;31823
 11; 5595.9; 01-APR-2008 07:15:32; Dark ; 37.0; 172; Gam Gru ; 3.00; 13100;occ; 74; 0;31823
 12; 5868.5; 01-APR-2008 07:20:04; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;31823
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 14; 6445.8; 01-APR-2008 07:29:41; Dark ; 38.5; 43; Alp TrA ; 1.91; 4250;occ; 77; 0;31823
 15; 6557.4; 01-APR-2008 07:31:33; Dark ; 40.0; 134; Bet TrA ; 2.81; 6600;occ; 80; 0;31823
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 17; 6850.2; 01-APR-2008 07:36:26; Dark ; 40.5; 12; Alp1Cru ; 0.77; 30000;occ; 81; 0;31823
 18; 6937.4; 01-APR-2008 07:37:53; Dark ; 41.5; 26; Gam Cru ; 1.62; 2900;occ; 83; 0;31823
 19; 7054.0; 01-APR-2008 07:39:50; Dark ; 39.0; 64; Gam Cen ; 2.20; 10600;occ; 78; 0;31823
 20; 7208.5; 01-APR-2008 07:42:24; Dark ; 43.5; 123; Tot Cen ; 2.75; 10200;occ; 87; 0;31823
 21; 7498.5; 01-APR-2008 07:47:14; Dark ; 45.5; 106; 9Bet Crv ; 2.65; 5600;occ; 91; 0;31823
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 2; 2257.4; 01-APR-2008 08:00:29; Bright; 35.0; 96; 68Del Leo ; 2.56; 9300;occ; 70; 0;31824
 3; 2666.0; 01-APR-2008 08:07:18; Bright; 35.0; 174; 52Psi UMa ; 3.00; 4400;occ; 70; 0;31824
 4; 2846.6; 01-APR-2008 08:10:18; Bright; 37.0; 87; 64Gam UMa ; 2.43; 11000;occ; 74; 0;31824
 5; 2957.7; 01-APR-2008 08:12:09; Bright; 35.0; 36; 50Alp UMa ; 1.80; 6300;occ; 70; 0;31824
 6; 3440.4; 01-APR-2008 08:20:12; Bright; 34.0; 49; 1Alp UMi ; 1.99; 6300;occ; 68; 0;31824
 7; 3901.9; 01-APR-2008 08:27:53; Bright; 37.5; 89; 5Alp Cep ; 2.45; 8000;occ; 75; 0;31824
 8; 4829.9; 01-APR-2008 08:43:22; Dark ; 45.5; 61; 8Eps Peg ; 2.10; 3900;occ; 91; 0;31824
 9; 5106.2; 01-APR-2008 08:47:58; Dark ; 42.5; 154; 22Bet Aqr ; 2.90; 5700;occ; 85; 0;31824
 10; 5260.2; 01-APR-2008 08:50:32; Dark ; 38.5; 142; 49Del Cap ; 2.85; 8900;occ; 77; 0;31824
 11; 5596.0; 01-APR-2008 08:56:08; Dark ; 38.5; 172; Gam Gru ; 3.00; 13100;occ; 77; 0;31824
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 14; 6446.2; 01-APR-2008 09:10:18; Dark ; 39.0; 43; Alp TrA ; 1.91; 4250;occ; 78; 0;31824
 15; 6557.8; 01-APR-2008 09:12:09; Dark ; 38.0; 134; Bet TrA ; 2.81; 6600;occ; 76; 0;31824
 16; 6715.7; 01-APR-2008 09:14:47; Dark ; 46.5; 4; Alp1Cen ;-0.01; 5800;occ; 93; 0;31824
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 18; 6937.6; 01-APR-2008 09:18:29; Dark ; 42.0; 26; Gam Cru ; 1.62; 2900;occ; 84; 0;31824
 19; 7054.2; 01-APR-2008 09:20:26; Dark ; 38.5; 64; Gam Cen ; 2.20; 10600;occ; 77; 0;31824
 20; 7208.8; 01-APR-2008 09:23:00; Dark ; 43.0; 123; Tot Cen ; 2.75; 10200;occ; 86; 0;31824
 21; 7498.5; 01-APR-2008 09:27:50; Dark ; 46.0; 106; 9Bet Crv ; 2.65; 5600;occ; 92; 0;31824
 22; 7615.8; 01-APR-2008 09:29:47; Dark ; 42.0; 100; 4Gam Crv ; 2.58; 13100;occ; 84; 0;31824

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 3; 2666.0; 01-APR-2008 09:47:53; Bright; 36.5; 174; 52Psi UMa ; 3.00; 4400;occ; 73; 0;31825
 4; 2846.3; 01-APR-2008 09:50:54; Bright; 36.0; 87; 64Gam UMa ; 2.43; 11000;occ; 72; 0;31825
 5; 2957.7; 01-APR-2008 09:52:45; Bright; 37.0; 36; 50Alp UMa ; 1.80; 6300;occ; 74; 0;31825
 6; 3440.3; 01-APR-2008 10:00:48; Bright; 36.5; 49; 1Alp UMi ; 1.99; 6300;occ; 73; 0;31825
 7; 3901.7; 01-APR-2008 10:08:29; Bright; 35.0; 89; 5Alp Cep ; 2.45; 8000;occ; 70; 0;31825
 8; 4830.2; 01-APR-2008 10:23:58; Dark ; 45.5; 61; 8Eps Peg ; 2.10; 3900;occ; 91; 0;31825
 9; 5106.5; 01-APR-2008 10:28:34; Dark ; 42.0; 154; 22Bet Aqr ; 2.90; 5700;occ; 84; 0;31825
 10; 5260.5; 01-APR-2008 10:31:08; Dark ; 41.0; 142; 49Del Cap ; 2.85; 8900;occ; 82; 0;31825
 11; 5596.2; 01-APR-2008 10:36:44; Dark ; 37.0; 172; Gam Gru ; 3.00; 13100;occ; 74; 0;31825
 12; 5869.2; 01-APR-2008 10:41:17; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;31825
 13; 5995.5; 01-APR-2008 10:43:23; Dark ; 37.0; 45; Alp Pav ; 1.94; 26000;occ; 74; 0;31825
 14; 6446.5; 01-APR-2008 10:50:54; Dark ; 37.5; 43; Alp TrA ; 1.91; 4250;occ; 75; 0;31825
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 18; 6937.8; 01-APR-2008 10:59:05; Dark ; 41.0; 26; Gam Cru ; 1.62; 2900;occ; 82; 0;31825
 19; 7054.5; 01-APR-2008 11:01:02; Dark ; 38.0; 64; Gam Cen ; 2.20; 10600;occ; 76; 0;31825
 20; 7209.3; 01-APR-2008 11:03:37; Dark ; 41.5; 123; Tot Cen ; 2.75; 10200;occ; 83; 0;31825
 21; 7498.7; 01-APR-2008 11:08:26; Dark ; 47.0; 106; 9Bet Crv ; 2.65; 5600;occ; 94; 0;31825

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22; 7615.9; 01-APR-2008 11:10:23; Dark ; 42.5; 100; 4Gam Crv ; 2.58; 13100;occ; 85; 0;31825
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2; 2257.3; 01-APR-2008 11:21:41; Bright; 36.0; 96; 68Del Leo ; 2.56; 9300;occ; 72; 0;31826
3; 2665.9; 01-APR-2008 11:28:29; Bright; 37.5; 174; 52Psi UMa ; 3.00; 4400;occ; 75; 0;31826
4; 2846.0; 01-APR-2008 11:31:29; Bright; 37.0; 87; 64Gam UMa ; 2.43; 11000;occ; 74; 0;31826
5; 2957.6; 01-APR-2008 11:33:21; Bright; 37.5; 36; 50Alp UMa ; 1.80; 6300;occ; 75; 0;31826
6; 3440.5; 01-APR-2008 11:41:24; Bright; 32.5; 49; 1Alp UMi ; 1.99; 6300;occ; 65; 0;31826
7; 3901.7; 01-APR-2008 11:49:05; Bright; 54.0; 89; 5Alp Cep ; 2.45; 8000;occ; 108; 0;31826
8; 4830.4; 01-APR-2008 12:04:34; Dark ; 44.5; 61; 8Eps Peg ; 2.10; 3900;occ; 89; 0;31826
9; 5106.9; 01-APR-2008 12:09:10; Dark ; 43.0; 154; 22Bet Aqr ; 2.90; 5700;occ; 86; 0;31826
10; 5260.8; 01-APR-2008 12:11:44; Dark ; 38.5; 142; 49Del Cap ; 2.85; 8900;occ; 77; 0;31826
11; 5596.6; 01-APR-2008 12:17:20; Dark ; 35.5; 172; Gam Gru ; 3.00; 13100;occ; 71; 0;31826
12; 5869.6; 01-APR-2008 12:21:53; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;31826
13; 6447.0; 01-APR-2008 12:31:30; Dark ; 40.5; 43; Alp TrA ; 1.91; 4250;occ; 81; 0;31826
14; 6558.7; 01-APR-2008 12:33:22; Dark ; 39.5; 134; Bet TrA ; 2.81; 6600;occ; 79; 0;31826
15; 6716.6; 01-APR-2008 12:36:00; Dark ; 42.0; 4; Alp1Cen ;-0.01; 5800;occ; 84; 0;31826
16; 6850.8; 01-APR-2008 12:38:14; Dark ; 37.5; 12; Alp1Cru ; 0.77; 30000;occ; 75; 0;31826
17; 6938.1; 01-APR-2008 12:39:41; Dark ; 48.0; 26; Gam Cru ; 1.62; 2900;occ; 96; 0;31826
18; 7054.8; 01-APR-2008 12:41:38; Dark ; 36.0; 64; Gam Cen ; 2.20; 10600;occ; 72; 0;31826
19; 7209.5; 01-APR-2008 12:44:13; Dark ; 42.0; 123; Tot Cen ; 2.75; 10200;occ; 84; 0;31826
20; 7498.9; 01-APR-2008 12:49:02; Dark ; 42.5; 106; 9Bet Crv ; 2.65; 5600;occ; 85; 0;31826
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3; 2257.3; 01-APR-2008 13:02:17; Bright; 35.0; 96; 68Del Leo ; 2.56; 9300;occ; 70; 0;31827
4; 2665.9; 01-APR-2008 13:09:05; Bright; 36.0; 174; 52Psi UMa ; 3.00; 4400;occ; 72; 0;31827
5; 2845.9; 01-APR-2008 13:12:05; Bright; 36.5; 87; 64Gam UMa ; 2.43; 11000;occ; 73; 0;31827
6; 2957.7; 01-APR-2008 13:13:57; Bright; 37.5; 36; 50Alp UMa ; 1.80; 6300;occ; 75; 0;31827
7; 3440.4; 01-APR-2008 13:22:00; Bright; 32.5; 49; 1Alp UMi ; 1.99; 6300;occ; 65; 0;31827
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9; 4830.8; 01-APR-2008 13:45:10; Dark ; 46.5; 61; 8Eps Peg ; 2.10; 3900;occ; 93; 0;31827
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11; 5261.3; 01-APR-2008 13:52:21; Dark ; 39.0; 142; 49Del Cap ; 2.85; 8900;occ; 78; 0;31827
12; 5596.8; 01-APR-2008 13:57:56; Dark ; 37.0; 172; Gam Gru ; 3.00; 13100;occ; 74; 0;31827
13; 5870.0; 01-APR-2008 14:02:29; Dark ; 59.0; 0; ; 0.00; 0;occ; 118; 0;31827
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5; 2665.9; 01-APR-2008 14:49:41; Bright; 34.0; 174; 52Psi UMa ; 3.00; 4400;occ; 68; 0;31828
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 2; 2258.3; 04-APR-2008 08:06:15; Bright; 36.0; 96; 68Del Leo ; 2.56; 9300;occ; 72; 0;31867
 3; 2664.5; 04-APR-2008 08:13:01; Bright; 52.0; 174; 52Psi UMa ; 3.00; 4400;occ; 104; 0;31867
 4; 2837.7; 04-APR-2008 08:15:54; Bright; 36.0; 87; 64Gam UMa ; 2.43; 11000;occ; 72; 0;31867
 5; 2956.1; 04-APR-2008 08:17:52; Bright; 35.0; 36; 50Alp UMa ; 1.80; 6300;occ; 70; 0;31867
 6; 3321.3; 04-APR-2008 08:23:58; Bright; 35.0; 60; 7Bet UMi ; 2.08; 3950;occ; 70; 0;31867
 7; 3440.9; 04-APR-2008 08:25:57; Bright; 36.5; 49; 1Alp UMi ; 1.99; 6300;occ; 73; 0;31867
 8; 3898.8; 04-APR-2008 08:33:35; Bright; 38.0; 89; 5Alp Cep ; 2.45; 8000;occ; 76; 0;31867
 9; 4842.5; 04-APR-2008 08:49:19; Dark ; 46.5; 61; 8Eps Peg ; 2.10; 3900;occ; 93; 0;31867

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10; 4991.8; 04-APR-2008 08:51:48; Dark ; 42.5; 162; 34Alp Aqr ; 2.94; 5350;occ; 85; 0;31867
11; 5123.2; 04-APR-2008 08:54:00; Dark ; 45.5; 154; 22Bet Aqr ; 2.90; 5700;occ; 91; 0;31867
12; 5275.2; 04-APR-2008 08:56:31; Dark ; 41.0; 142; 49Del Cap ; 2.85; 8900;occ; 82; 0;31867
13; 5607.4; 04-APR-2008 09:02:04; Dark ; 38.0; 172; Gam Gru ; 3.00; 13100;occ; 76; 0;31867
14; 5886.5; 04-APR-2008 09:06:43; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;31867
15; 6012.6; 04-APR-2008 09:08:49; Dark ; 38.5; 45; Alp Pav ; 1.94; 26000;occ; 77; 0;31867
16; 6464.3; 04-APR-2008 09:16:21; Dark ; 50.5; 43; Alp TrA ; 1.91; 4250;occ; 101; 0;31867
17; 6579.5; 04-APR-2008 09:18:16; Dark ; 39.0; 134; Bet TrA ; 2.81; 6600;occ; 78; 0;31867
18; 6735.1; 04-APR-2008 09:20:51; Dark ; 43.0; 4; Alp1Cen ; -0.01; 5800;occ; 86; 0;31867
19; 6859.8; 04-APR-2008 09:22:56; Dark ; 39.0; 12; Alp1Cru ; 0.77; 30000;occ; 78; 0;31867
20; 6948.6; 04-APR-2008 09:24:25; Dark ; 47.0; 26; Gam Cru ; 1.62; 2900;occ; 94; 0;31867
21; 7067.0; 04-APR-2008 09:26:23; Dark ; 37.5; 64; Gam Cen ; 2.20; 10600;occ; 75; 0;31867
22; 7224.5; 04-APR-2008 09:29:01; Dark ; 41.5; 123; Iot Cen ; 2.75; 10200;occ; 83; 0;31867
23; 7506.9; 04-APR-2008 09:33:43; Dark ; 44.0; 106; 9Bet Crv ; 2.65; 5600;occ; 88; 0;31867
24; 7621.8; 04-APR-2008 09:35:38; Dark ; 39.0; 100; 4Gam Crv ; 2.58; 13100;occ; 78; 0;31867
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2; 2258.4; 04-APR-2008 09:46:51; Bright; 36.0; 96; 68Del Leo ; 2.56; 9300;occ; 72; 0;31868
3; 2664.4; 04-APR-2008 09:53:37; Bright; 36.0; 174; 52Psi UMa ; 3.00; 4400;occ; 72; 0;31868
4; 2837.5; 04-APR-2008 09:56:30; Bright; 38.0; 87; 64Gam UMa ; 2.43; 11000;occ; 76; 0;31868
5; 2956.0; 04-APR-2008 09:58:28; Bright; 35.5; 36; 50Alp UMa ; 1.80; 6300;occ; 71; 0;31868
6; 3320.9; 04-APR-2008 10:04:33; Bright; 39.0; 60; 7Bet UMi ; 2.08; 3950;occ; 78; 0;31868
7; 3440.9; 04-APR-2008 10:06:33; Bright; 36.0; 49; 1Alp UMi ; 1.99; 6300;occ; 72; 0;31868
8; 3898.7; 04-APR-2008 10:14:11; Bright; 35.5; 89; 5Alp Cep ; 2.45; 8000;occ; 71; 0;31868
9; 4842.7; 04-APR-2008 10:29:55; Dark ; 49.0; 61; 8Eps Peg ; 2.10; 3900;occ; 98; 0;31868
10; 4992.0; 04-APR-2008 10:32:24; Dark ; 41.5; 162; 34Alp Aqr ; 2.94; 5350;occ; 83; 0;31868
11; 5123.7; 04-APR-2008 10:34:36; Dark ; 44.0; 154; 22Bet Aqr ; 2.90; 5700;occ; 88; 0;31868
12; 5275.7; 04-APR-2008 10:37:08; Dark ; 40.5; 142; 49Del Cap ; 2.85; 8900;occ; 81; 0;31868
13; 5607.8; 04-APR-2008 10:42:40; Dark ; 36.5; 172; Gam Gru ; 3.00; 13100;occ; 73; 0;31868
14; 5886.9; 04-APR-2008 10:47:19; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;31868
15; 6013.0; 04-APR-2008 10:49:25; Dark ; 38.0; 45; Alp Pav ; 1.94; 26000;occ; 76; 0;31868
16; 6464.6; 04-APR-2008 10:56:57; Dark ; 41.5; 43; Alp TrA ; 1.91; 4250;occ; 83; 0;31868
17; 6580.3; 04-APR-2008 10:58:52; Dark ; 39.5; 134; Bet TrA ; 2.81; 6600;occ; 79; 0;31868
18; 6735.5; 04-APR-2008 11:01:28; Dark ; 54.5; 4; Alp1Cen ; -0.01; 5800;occ; 109; 0;31868
19; 6860.0; 04-APR-2008 11:03:32; Dark ; 43.5; 12; Alp1Cru ; 0.77; 30000;occ; 87; 0;31868
20; 6948.8; 04-APR-2008 11:05:01; Dark ; 44.5; 26; Gam Cru ; 1.62; 2900;occ; 89; 0;31868
21; 7067.1; 04-APR-2008 11:06:59; Dark ; 40.5; 64; Gam Cen ; 2.20; 10600;occ; 81; 0;31868
22; 7224.8; 04-APR-2008 11:09:37; Dark ; 40.5; 123; Iot Cen ; 2.75; 10200;occ; 81; 0;31868
23; 7507.0; 04-APR-2008 11:14:19; Dark ; 42.0; 106; 9Bet Crv ; 2.65; 5600;occ; 84; 0;31868
24; 7621.9; 04-APR-2008 11:16:14; Dark ; 40.5; 100; 4Gam Crv ; 2.58; 13100;occ; 81; 0;31868
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2; 1472.2; 04-APR-2008 22:58:32; Dark ; 44.0; 106; 9Bet Crv ; 2.65; 5600;occ; 88; 0;31876
3; 1587.0; 04-APR-2008 23:00:27; Dark ; 40.5; 100; 4Gam Crv ; 2.58; 13100;occ; 81; 0;31876
4; 2156.3; 04-APR-2008 23:09:56; Bright; 37.5; 62; 94Bet Leo ; 2.14; 9700;occ; 75; 0;31876
5; 2258.7; 04-APR-2008 23:11:38; Bright; 35.0; 96; 68Del Leo ; 2.56; 9300;occ; 70; 0;31876
6; 2664.1; 04-APR-2008 23:18:24; Bright; 35.5; 174; 52Psi UMa ; 3.00; 4400;occ; 71; 0;31876
7; 2836.0; 04-APR-2008 23:21:16; Bright; 36.5; 87; 64Gam UMa ; 2.43; 11000;occ; 73; 0;31876
8; 2955.7; 04-APR-2008 23:23:15; Bright; 37.5; 36; 50Alp UMa ; 1.80; 6300;occ; 75; 0;31876
9; 3318.1; 04-APR-2008 23:29:18; Bright; 40.0; 60; 7Bet UMi ; 2.08; 3950;occ; 80; 0;31876
10; 3440.9; 04-APR-2008 23:31:20; Bright; 35.0; 49; 1Alp UMi ; 1.99; 6300;occ; 70; 0;31876
11; 3897.9; 04-APR-2008 23:38:57; Bright; 37.0; 89; 5Alp Cep ; 2.45; 8000;occ; 74; 0;31876
12; 4845.1; 04-APR-2008 23:54:45; Dark ; 45.5; 61; 8Eps Peg ; 2.10; 3900;occ; 91; 0;31876
13; 4994.3; 04-APR-2008 23:57:14; Dark ; 41.0; 162; 34Alp Aqr ; 2.94; 5350;occ; 82; 0;31876
14; 5126.9; 04-APR-2008 23:59:26; Dark ; 43.0; 154; 22Bet Aqr ; 2.90; 5700;occ; 86; 0;31876
15; 5278.5; 05-APR-2008 00:01:58; Dark ; 39.5; 142; 49Del Cap ; 2.85; 8900;occ; 79; 0;31876
16; 5890.4; 05-APR-2008 00:12:10; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;31876
17; 6016.2; 05-APR-2008 00:14:16; Dark ; 38.5; 45; Alp Pav ; 1.94; 26000;occ; 77; 0;31876
18; 6467.8; 05-APR-2008 00:21:47; Dark ; 38.5; 43; Alp TrA ; 1.91; 4250;occ; 77; 0;31876
19; 6583.9; 05-APR-2008 00:23:43; Dark ; 39.0; 134; Bet TrA ; 2.81; 6600;occ; 78; 0;31876
20; 6738.8; 05-APR-2008 00:26:18; Dark ; 44.5; 4; Alp1Cen ; -0.01; 5800;occ; 89; 0;31876
21; 6861.5; 05-APR-2008 00:28:21; Dark ; 39.5; 12; Alp1Cru ; 0.77; 30000;occ; 79; 0;31876
22; 6950.6; 05-APR-2008 00:29:50; Dark ; 43.0; 26; Gam Cru ; 1.62; 2900;occ; 86; 0;31876
23; 7069.2; 05-APR-2008 00:31:49; Dark ; 43.5; 64; Gam Cen ; 2.20; 10600;occ; 87; 0;31876
24; 7227.5; 05-APR-2008 00:34:27; Dark ; 42.0; 123; Iot Cen ; 2.75; 10200;occ; 84; 0;31876
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2; 2258.5; 04-APR-2008 11:27:27; Bright; 36.0; 96; 68Del Leo ; 2.56; 9300;occ; 72; 0;31869

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4; 2837.2; 04-APR-2008 11:37:05; Bright; 36.5; 87; 64Gam UMa ; 2.43; 11000;occ; 73; 0;31869
5; 2956.0; 04-APR-2008 11:39:04; Bright; 37.5; 36; 50Alp UMa ; 1.80; 6300;occ; 75; 0;31869
6; 3320.6; 04-APR-2008 11:45:09; Bright; 35.5; 60; 7Bet UMi ; 2.08; 3950;occ; 71; 0;31869
7; 3440.9; 04-APR-2008 11:47:09; Bright; 35.0; 49; 1Alp UMi ; 1.99; 6300;occ; 70; 0;31869
8; 3898.6; 04-APR-2008 11:54:47; Bright; 36.5; 89; 5Alp Cep ; 2.45; 8000;occ; 73; 0;31869
9; 4843.1; 04-APR-2008 12:10:31; Dark ; 46.5; 61; 8Eps Peg ; 2.10; 3900;occ; 93; 0;31869
10; 4992.3; 04-APR-2008 12:13:00; Dark ; 42.0; 162; 34Alp Aqr ; 2.94; 5350;occ; 84; 0;31869
11; 5124.1; 04-APR-2008 12:15:12; Dark ; 40.5; 154; 22Bet Aqr ; 2.90; 5700;occ; 81; 0;31869
12; 5275.9; 04-APR-2008 12:17:44; Dark ; 40.5; 142; 49Del Cap ; 2.85; 8900;occ; 81; 0;31869
13; 5608.1; 04-APR-2008 12:23:16; Dark ; 37.0; 172; Gam Gru ; 3.00; 13100;occ; 74; 0;31869
14; 5887.4; 04-APR-2008 12:27:55; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;31869
15; 6013.5; 04-APR-2008 12:30:02; Dark ; 38.0; 45; Alp Pav ; 1.94; 26000;occ; 76; 0;31869
16; 6465.0; 04-APR-2008 12:37:33; Dark ; 44.5; 43; Alp TrA ; 1.91; 4250;occ; 89; 0;31869
17; 6580.6; 04-APR-2008 12:39:29; Dark ; 39.0; 134; Bet TrA ; 2.81; 6600;occ; 78; 0;31869
18; 6735.9; 04-APR-2008 12:42:04; Dark ; 52.5; 4; Alp1Cen ;-0.01; 5800;occ; 105; 0;31869
19; 6860.2; 04-APR-2008 12:44:08; Dark ; 41.0; 12; Alp1Cru ; 0.77; 30000;occ; 82; 0;31869
20; 7067.5; 04-APR-2008 12:47:36; Dark ; 38.5; 64; Gam Cen ; 2.20; 10600;occ; 77; 0;31869
21; 7225.3; 04-APR-2008 12:50:13; Dark ; 41.0; 123; Iot Cen ; 2.75; 10200;occ; 82; 0;31869
22; 7507.2; 04-APR-2008 12:54:55; Dark ; 42.0; 106; 9Bet Crv ; 2.65; 5600;occ; 84; 0;31869
23; 7622.1; 04-APR-2008 12:56:50; Dark ; 40.5; 100; 4Gam Crv ; 2.58; 13100;occ; 81; 0;31869

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2; 2156.7; 04-APR-2008 13:06:21; Bright; 36.5; 62; 94Bet Leo ; 2.14; 9700;occ; 73; 0;31870
3; 2258.5; 04-APR-2008 13:08:02; Bright; 34.5; 96; 68Del Leo ; 2.56; 9300;occ; 69; 0;31870
4; 2664.3; 04-APR-2008 13:14:48; Bright; 36.0; 174; 52Psi UMa ; 3.00; 4400;occ; 72; 0;31870
5; 2837.2; 04-APR-2008 13:17:41; Bright; 36.0; 87; 64Gam UMa ; 2.43; 11000;occ; 72; 0;31870
6; 2956.0; 04-APR-2008 13:19:40; Bright; 38.0; 36; 50Alp UMa ; 1.80; 6300;occ; 76; 0;31870
7; 3320.3; 04-APR-2008 13:25:44; Bright; 40.0; 60; 7Bet UMi ; 2.08; 3950;occ; 80; 0;31870
8; 3441.0; 04-APR-2008 13:27:45; Bright; 33.0; 49; 1Alp UMi ; 1.99; 6300;occ; 66; 0;31870
9; 3898.5; 04-APR-2008 13:35:22; Bright; 38.0; 89; 5Alp Cep ; 2.45; 8000;occ; 76; 0;31870
10; 4843.4; 04-APR-2008 13:51:07; Dark ; 45.5; 61; 8Eps Peg ; 2.10; 3900;occ; 91; 0;31870
11; 4992.7; 04-APR-2008 13:53:37; Dark ; 43.0; 162; 34Alp Aqr ; 2.94; 5350;occ; 86; 0;31870
12; 5124.5; 04-APR-2008 13:55:48; Dark ; 44.0; 154; 22Bet Aqr ; 2.90; 5700;occ; 88; 0;31870
13; 5276.4; 04-APR-2008 13:58:20; Dark ; 41.5; 142; 49Del Cap ; 2.85; 8900;occ; 83; 0;31870
14; 5608.3; 04-APR-2008 14:03:52; Dark ; 36.5; 172; Gam Gru ; 3.00; 13100;occ; 73; 0;31870
15; 5887.8; 04-APR-2008 14:08:32; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;31870
16; 6014.0; 04-APR-2008 14:10:38; Dark ; 37.5; 45; Alp Pav ; 1.94; 26000;occ; 75; 0;31870
17; 6465.5; 04-APR-2008 14:18:09; Dark ; 39.0; 43; Alp TrA ; 1.91; 4250;occ; 78; 0;31870
18; 6581.2; 04-APR-2008 14:20:05; Dark ; 38.0; 134; Bet TrA ; 2.81; 6600;occ; 76; 0;31870
19; 6736.4; 04-APR-2008 14:22:40; Dark ; 54.0; 4; Alp1Cen ;-0.01; 5800;occ; 108; 0;31870
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21; 6949.4; 04-APR-2008 14:26:13; Dark ; 44.5; 26; Gam Cru ; 1.62; 2900;occ; 89; 0;31870
22; 7067.8; 04-APR-2008 14:28:12; Dark ; 36.5; 64; Gam Cen ; 2.20; 10600;occ; 73; 0;31870
23; 7225.7; 04-APR-2008 14:30:50; Dark ; 41.5; 123; Iot Cen ; 2.75; 10200;occ; 83; 0;31870
24; 7507.4; 04-APR-2008 14:35:31; Dark ; 43.0; 106; 9Bet Crv ; 2.65; 5600;occ; 86; 0;31870

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2; 1586.4; 04-APR-2008 14:37:26; Dark ; 41.0; 100; 4Gam Crv ; 2.58; 13100;occ; 82; 0;31871
3; 2156.8; 04-APR-2008 14:46:57; Bright; 36.0; 62; 94Bet Leo ; 2.14; 9700;occ; 72; 0;31871
4; 2258.7; 04-APR-2008 14:48:38; Bright; 35.5; 96; 68Del Leo ; 2.56; 9300;occ; 71; 0;31871
5; 2664.4; 04-APR-2008 14:55:24; Bright; 33.5; 174; 52Psi UMa ; 3.00; 4400;occ; 67; 0;31871
6; 2837.2; 04-APR-2008 14:58:17; Bright; 35.5; 87; 64Gam UMa ; 2.43; 11000;occ; 71; 0;31871
7; 2956.0; 04-APR-2008 15:00:16; Bright; 37.0; 36; 50Alp UMa ; 1.80; 6300;occ; 74; 0;31871
8; 3320.0; 04-APR-2008 15:06:20; Bright; 36.5; 60; 7Bet UMi ; 2.08; 3950;occ; 73; 0;31871
9; 3441.1; 04-APR-2008 15:08:21; Bright; 36.0; 49; 1Alp UMi ; 1.99; 6300;occ; 72; 0;31871
10; 3898.5; 04-APR-2008 15:15:58; Bright; 37.5; 89; 5Alp Cep ; 2.45; 8000;occ; 75; 0;31871
11; 4843.8; 04-APR-2008 15:31:44; Dark ; 47.5; 61; 8Eps Peg ; 2.10; 3900;occ; 95; 0;31871
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13; 5125.0; 04-APR-2008 15:36:25; Dark ; 41.0; 154; 22Bet Aqr ; 2.90; 5700;occ; 82; 0;31871
14; 5276.8; 04-APR-2008 15:38:57; Dark ; 39.5; 142; 49Del Cap ; 2.85; 8900;occ; 79; 0;31871
15; 5608.7; 04-APR-2008 15:44:28; Dark ; 36.5; 172; Gam Gru ; 3.00; 13100;occ; 73; 0;31871
16; 5888.3; 04-APR-2008 15:49:08; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;31871
17; 6014.3; 04-APR-2008 15:51:14; Dark ; 39.5; 45; Alp Pav ; 1.94; 26000;occ; 79; 0;31871
18; 6466.0; 04-APR-2008 15:58:46; Dark ; 37.5; 43; Alp TrA ; 1.91; 4250;occ; 75; 0;31871
19; 6581.8; 04-APR-2008 16:00:42; Dark ; 41.0; 134; Bet TrA ; 2.81; 6600;occ; 82; 0;31871
20; 6736.9; 04-APR-2008 16:03:17; Dark ; 53.0; 4; Alp1Cen ;-0.01; 5800;occ; 106; 0;31871
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24; 7226.0; 04-APR-2008 16:11:26; Dark ; 22.0; 123; Iot Cen ; 2.75; 10200;occ; 44; 0;31871
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3; 1586.5; 04-APR-2008 16:18:02; Dark ; 39.0; 100; 4Gam Crv ; 2.58; 13100;occ; 78; 0;31872
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5; 2258.6; 04-APR-2008 16:29:14; Bright; 34.0; 96; 68Del Leo ; 2.56; 9300;occ; 68; 0;31872
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7; 2836.8; 04-APR-2008 16:38:53; Bright; 37.5; 87; 64Gam UMa ; 2.43; 11000;occ; 75; 0;31872
8; 2955.9; 04-APR-2008 16:40:52; Bright; 37.5; 36; 50Alp UMa ; 1.80; 6300;occ; 75; 0;31872
9; 3319.7; 04-APR-2008 16:46:55; Bright; 39.5; 60; 7Bet UMi ; 2.08; 3950;occ; 79; 0;31872
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11; 3898.3; 04-APR-2008 16:56:34; Bright; 35.0; 89; 5Alp Cep ; 2.45; 8000;occ; 70; 0;31872
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13; 4993.3; 04-APR-2008 17:14:49; Dark ; 40.0; 162; 34Alp Aqr ; 2.94; 5350;occ; 80; 0;31872
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22; 6860.9; 04-APR-2008 17:45:57; Dark ; 37.5; 12; Alp1Cru ; 0.77; 30000;occ; 75; 0;31872
23; 6949.9; 04-APR-2008 17:47:26; Dark ; 48.0; 26; Gam Cru ; 1.62; 2900;occ; 96; 0;31872
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5; 2156.6; 04-APR-2008 18:08:08; Bright; 37.0; 62; 94Bet Leo ; 2.14; 9700;occ; 74; 0;31873
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9; 2955.9; 04-APR-2008 18:21:28; Bright; 37.0; 36; 50Alp UMa ; 1.80; 6300;occ; 74; 0;31873
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22; 6737.7; 04-APR-2008 19:24:30; Dark ; 46.5; 4; Alp1Cen ;-0.01; 5800;occ; 93; 0;31873
23; 6861.0; 04-APR-2008 19:26:33; Dark ; 44.0; 12; Alp1Cru ; 0.77; 30000;occ; 88; 0;31873
24; 6950.1; 04-APR-2008 19:28:02; Dark ; 44.5; 26; Gam Cru ; 1.62; 2900;occ; 89; 0;31873
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4; 1586.8; 04-APR-2008 19:39:15; Dark ; 42.0; 100; 4Gam Crv ; 2.58; 13100;occ; 84; 0;31874
5; 2156.5; 04-APR-2008 19:48:44; Bright; 37.0; 62; 94Bet Leo ; 2.14; 9700;occ; 74; 0;31874
6; 2258.6; 04-APR-2008 19:50:26; Bright; 34.5; 96; 68Del Leo ; 2.56; 9300;occ; 69; 0;31874
7; 2664.3; 04-APR-2008 19:57:12; Bright; 34.0; 174; 52Psi UMa ; 3.00; 4400;occ; 68; 0;31874
8; 2836.4; 04-APR-2008 20:00:04; Bright; 54.0; 87; 64Gam UMa ; 2.43; 11000;occ; 108; 0;31874
9; 2955.7; 04-APR-2008 20:02:03; Bright; 37.0; 36; 50Alp UMa ; 1.80; 6300;occ; 74; 0;31874
10; 3318.8; 04-APR-2008 20:08:07; Bright; 36.5; 60; 7Bet UMi ; 2.08; 3950;occ; 73; 0;31874
11; 3440.9; 04-APR-2008 20:10:09; Bright; 36.5; 49; 1Alp UMi ; 1.99; 6300;occ; 73; 0;31874
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 16; 5277.7; 04-APR-2008 20:40:46; Dark ; 41.0; 142; 49Del Cap ; 2.85; 8900;occ; 82; 0;31874
 17; 5609.5; 04-APR-2008 20:46:17; Dark ; 38.0; 172; Gam Gru ; 3.00; 13100;occ; 76; 0;31874
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 19; 6015.5; 04-APR-2008 20:53:03; Dark ; 38.0; 45; Alp Pav ; 1.94; 26000;occ; 76; 0;31874
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 21; 6583.0; 04-APR-2008 21:02:31; Dark ; 38.5; 134; Bet TrA ; 2.81; 6600;occ; 77; 0;31874
 22; 6738.1; 04-APR-2008 21:05:06; Dark ; 47.5; 4; Alp1Cen ; -0.01; 5800;occ; 95; 0;31874
 23; 6861.1; 04-APR-2008 21:07:09; Dark ; 38.0; 12; Alp1Cru ; 0.77; 30000;occ; 76; 0;31874
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 4; 1472.1; 04-APR-2008 21:17:56; Dark ; 41.5; 106; 9Bet Crv ; 2.65; 5600;occ; 83; 0;31875
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 16; 5126.5; 04-APR-2008 22:18:50; Dark ; 43.5; 154; 22Bet Aqr ; 2.90; 5700;occ; 87; 0;31875
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 21; 6467.4; 04-APR-2008 22:41:11; Dark ; 40.0; 43; Alp TrA ; 1.91; 4250;occ; 80; 0;31875
 22; 6583.5; 04-APR-2008 22:43:07; Dark ; 39.5; 134; Bet TrA ; 2.81; 6600;occ; 79; 0;31875
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 13; 5127.3; 05-APR-2008 01:40:03; Dark ; 44.5; 154; 22Bet Aqr ; 2.90; 5700;occ; 89; 0;31877
 14; 5278.9; 05-APR-2008 01:42:34; Dark ; 38.5; 142; 49Del Cap ; 2.85; 8900;occ; 77; 0;31877
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 18; 6584.5; 05-APR-2008 02:04:20; Dark ; 38.5; 134; Bet TrA ; 2.81; 6600;occ; 77; 0;31877
 19; 6739.3; 05-APR-2008 02:06:55; Dark ; 45.5; 4; Alp1Cen ; -0.01; 5800;occ; 91; 0;31877
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 21; 6950.9; 05-APR-2008 02:10:26; Dark ; 52.0; 26; Gam Cru ; 1.62; 2900;occ; 104; 0;31877
 22; 7069.6; 05-APR-2008 02:12:25; Dark ; 40.0; 64; Gam Cen ; 2.20; 10600;occ; 80; 0;31877
 23; 7227.9; 05-APR-2008 02:15:03; Dark ; 42.0; 123; Tot Cen ; 2.75; 10200;occ; 84; 0;31877
 24; 7508.6; 05-APR-2008 02:19:44; Dark ; 43.0; 106; 9Bet Crv ; 2.65; 5600;occ; 86; 0;31877

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5; 2664.2; 05-APR-2008 02:39:35; Bright; 36.0; 174; 52Psi UMa ; 3.00; 4400;occ; 72; 0;31878
6; 2835.6; 05-APR-2008 02:42:27; Bright; 35.5; 87; 64Gam UMa ; 2.43; 11000;occ; 71; 0;31878
7; 2955.6; 05-APR-2008 02:44:27; Bright; 35.5; 36; 50Alp UMa ; 1.80; 6300;occ; 71; 0;31878
8; 3317.5; 05-APR-2008 02:50:29; Bright; 36.0; 60; 7Bet UMi ; 2.08; 3950;occ; 72; 0;31878
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11; 4845.8; 05-APR-2008 03:15:57; Dark ; 43.0; 61; 8Eps Peg ; 2.10; 3900;occ; 86; 0;31878
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13; 5128.0; 05-APR-2008 03:20:39; Dark ; 42.5; 154; 22Bet Aqr ; 2.90; 5700;occ; 85; 0;31878
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4; 826.3; 05-APR-2008 05:30:10; Dark ; 48.0; 12; Alp1Cru ; 0.77; 30000;occ; 96; 0;31880
5; 915.6; 05-APR-2008 05:31:39; Dark ; 50.5; 26; Gam Cru ; 1.62; 2900;occ; 101; 0;31880
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8; 1587.7; 05-APR-2008 05:42:51; Dark ; 41.0; 100; 4Gam Crv ; 2.58; 13100;occ; 82; 0;31880
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3; 2664.3; 05-APR-2008 06:00:47; Bright; 36.0; 174; 52Psi UMa ; 3.00; 4400;occ; 72; 0;31880
4; 2835.4; 05-APR-2008 06:03:39; Bright; 54.0; 87; 64Gam UMa ; 2.43; 11000;occ; 108; 0;31880
5; 2955.8; 05-APR-2008 06:05:39; Bright; 37.0; 36; 50Alp UMa ; 1.80; 6300;occ; 74; 0;31880
6; 3441.1; 05-APR-2008 06:13:44; Bright; 36.5; 49; 1Alp UMi ; 1.99; 6300;occ; 73; 0;31880
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8; 3935.6; 05-APR-2008 06:21:59; Bright; 32.5; 68; 18Alp Cas ; 2.22; 4500;occ; 65; 0;31880
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 3; 2664.3; 06-APR-2008 07:09:46; Bright; 35.5; 174; 52Psi UMa ; 3.00; 4400;occ; 71; 0;31895
 4; 2832.8; 06-APR-2008 07:12:35; Bright; 51.0; 87; 64Gam UMa ; 2.43; 11000;occ; 102; 0;31895
 5; 2955.6; 06-APR-2008 07:14:38; Bright; 34.5; 36; 50Alp UMa ; 1.80; 6300;occ; 69; 0;31895
 6; 3441.3; 06-APR-2008 07:22:43; Bright; 35.0; 49; 1Alp UMi ; 1.99; 6300;occ; 70; 0;31895
 7; 3860.0; 06-APR-2008 07:29:42; Bright; 48.0; 76; 27Gam Cas ; 2.30; 30000;occ; 96; 0;31895
 8; 3939.4; 06-APR-2008 07:31:02; Bright; 33.5; 68; 18Alp Cas ; 2.22; 4500;occ; 67; 0;31895
 9; 4851.3; 06-APR-2008 07:46:13; Dark ; 43.0; 61; 8Eps Peg ; 2.10; 3900;occ; 86; 0;31895
 10; 5000.2; 06-APR-2008 07:48:42; Dark ; 42.5; 162; 34Alp Aqr ; 2.94; 5350;occ; 85; 0;31895
 11; 5135.5; 06-APR-2008 07:50:58; Dark ; 45.0; 154; 22Bet Aqr ; 2.90; 5700;occ; 90; 0;31895
 12; 5286.1; 06-APR-2008 07:53:28; Dark ; 42.5; 142; 49Del Cap ; 2.85; 8900;occ; 85; 0;31895
 13; 5441.5; 06-APR-2008 07:56:04; Dark ; 40.0; 18; 24Alp PsA ; 1.17; 9700;occ; 80; 0;31895
 14; 5615.9; 06-APR-2008 07:58:58; Dark ; 36.0; 172; Gam Gru ; 3.00; 13100;occ; 72; 0;31895
 15; 5754.1; 06-APR-2008 08:01:16; Dark ; 39.5; 31; Alp Gru ; 1.73; 15200;occ; 79; 0;31895
 16; 5898.9; 06-APR-2008 08:03:41; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;31895
 17; 6024.7; 06-APR-2008 08:05:47; Dark ; 38.5; 45; Alp Pav ; 1.94; 26000;occ; 77; 0;31895
 18; 6476.0; 06-APR-2008 08:13:18; Dark ; 46.5; 43; Alp TrA ; 1.91; 4250;occ; 93; 0;31895
 19; 6593.6; 06-APR-2008 08:15:16; Dark ; 39.0; 134; Bet TrA ; 2.81; 6600;occ; 78; 0;31895
 20; 6747.3; 06-APR-2008 08:17:49; Dark ; 54.0; 4; Alp1Cen ;-0.01; 5800;occ; 108; 0;31895
 21; 6865.6; 06-APR-2008 08:19:48; Dark ; 39.5; 12; Alp1Cru ; 0.77; 30000;occ; 79; 0;31895
 22; 6955.3; 06-APR-2008 08:21:17; Dark ; 41.5; 26; Gam Cru ; 1.62; 2900;occ; 83; 0;31895
 23; 7074.8; 06-APR-2008 08:23:17; Dark ; 37.5; 64; Gam Cen ; 2.20; 10600;occ; 75; 0;31895
 24; 7512.1; 06-APR-2008 08:30:34; Dark ; 41.5; 106; 9Bet Crv ; 2.65; 5600;occ; 83; 0;31895
 25; 7625.8; 06-APR-2008 08:32:28; Dark ; 39.0; 100; 4Gam Crv ; 2.58; 13100;occ; 78; 0;31895

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 3; 2664.2; 06-APR-2008 08:50:22; Bright; 35.5; 174; 52Psi UMa ; 3.00; 4400;occ; 71; 0;31896

4; 2832.7; 06-APR-2008 08:53:11; Bright; 36.5; 87; 64Gam UMa ; 2.43; 11000;occ; 73; 0;31896
5; 2955.5; 06-APR-2008 08:55:14; Bright; 36.5; 36; 50Alp UMa ; 1.80; 6300;occ; 73; 0;31896
6; 3441.2; 06-APR-2008 09:03:19; Bright; 35.0; 49; 1Alp UMi ; 1.99; 6300;occ; 70; 0;31896
7; 3860.1; 06-APR-2008 09:10:18; Bright; 35.5; 76; 27Gam Cas ; 2.30; 30000;occ; 71; 0;31896
8; 3939.6; 06-APR-2008 09:11:38; Bright; 36.0; 68; 18Alp Cas ; 2.22; 4500;occ; 72; 0;31896
9; 4851.6; 06-APR-2008 09:26:50; Dark ; 44.5; 61; 8Eps Peg ; 2.10; 3900;occ; 89; 0;31896
10; 5000.4; 06-APR-2008 09:29:18; Dark ; 42.0; 162; 34Alp Aqr ; 2.94; 5350;occ; 84; 0;31896
11; 5136.0; 06-APR-2008 09:31:34; Dark ; 46.0; 154; 22Bet Aqr ; 2.90; 5700;occ; 92; 0;31896
12; 5286.4; 06-APR-2008 09:34:04; Dark ; 40.5; 142; 49Del Cap ; 2.85; 8900;occ; 81; 0;31896
13; 5441.4; 06-APR-2008 09:36:39; Dark ; 42.0; 18; 24Alp PsA ; 1.17; 9700;occ; 84; 0;31896
14; 5616.2; 06-APR-2008 09:39:34; Dark ; 37.0; 172; Gam Gru ; 3.00; 13100;occ; 74; 0;31896
15; 5754.3; 06-APR-2008 09:41:52; Dark ; 38.0; 31; Alp Gru ; 1.73; 15200;occ; 76; 0;31896
16; 5899.3; 06-APR-2008 09:44:17; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;31896
17; 6025.1; 06-APR-2008 09:46:23; Dark ; 38.0; 45; Alp Pav ; 1.94; 26000;occ; 76; 0;31896
18; 6476.3; 06-APR-2008 09:53:54; Dark ; 39.0; 43; Alp TrA ; 1.91; 4250;occ; 78; 0;31896
19; 6594.1; 06-APR-2008 09:55:52; Dark ; 39.5; 134; Bet TrA ; 2.81; 6600;occ; 79; 0;31896
20; 6747.6; 06-APR-2008 09:58:26; Dark ; 47.5; 4; Alp1Cen ; -0.01; 5800;occ; 95; 0;31896
21; 6865.8; 06-APR-2008 10:00:24; Dark ; 47.0; 12; Alp1Cru ; 0.77; 30000;occ; 94; 0;31896
22; 6955.5; 06-APR-2008 10:01:53; Dark ; 43.5; 26; Gam Cru ; 1.62; 2900;occ; 87; 0;31896
23; 7075.1; 06-APR-2008 10:03:53; Dark ; 37.0; 64; Gam Cen ; 2.20; 10600;occ; 74; 0;31896
24; 7512.2; 06-APR-2008 10:11:10; Dark ; 43.5; 106; 9Bet Crv ; 2.65; 5600;occ; 87; 0;31896
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3; 2664.3; 06-APR-2008 10:30:58; Bright; 36.0; 174; 52Psi UMa ; 3.00; 4400;occ; 72; 0;31897
4; 2832.6; 06-APR-2008 10:33:47; Bright; 37.0; 87; 64Gam UMa ; 2.43; 11000;occ; 74; 0;31897
5; 2955.5; 06-APR-2008 10:35:49; Bright; 34.5; 36; 50Alp UMa ; 1.80; 6300;occ; 69; 0;31897
6; 3441.2; 06-APR-2008 10:43:55; Bright; 35.0; 49; 1Alp UMi ; 1.99; 6300;occ; 70; 0;31897
7; 3860.3; 06-APR-2008 10:50:54; Bright; 35.0; 76; 27Gam Cas ; 2.30; 30000;occ; 70; 0;31897
8; 3939.8; 06-APR-2008 10:52:14; Bright; 32.5; 68; 18Alp Cas ; 2.22; 4500;occ; 65; 0;31897
9; 4851.9; 06-APR-2008 11:07:26; Dark ; 47.0; 61; 8Eps Peg ; 2.10; 3900;occ; 94; 0;31897
10; 5000.6; 06-APR-2008 11:09:55; Dark ; 43.0; 162; 34Alp Aqr ; 2.94; 5350;occ; 86; 0;31897
11; 5136.4; 06-APR-2008 11:12:10; Dark ; 45.5; 154; 22Bet Aqr ; 2.90; 5700;occ; 91; 0;31897
12; 5286.8; 06-APR-2008 11:14:41; Dark ; 40.0; 142; 49Del Cap ; 2.85; 8900;occ; 80; 0;31897
13; 5441.5; 06-APR-2008 11:17:15; Dark ; 42.5; 18; 24Alp PsA ; 1.17; 9700;occ; 85; 0;31897
14; 5616.5; 06-APR-2008 11:20:10; Dark ; 38.0; 172; Gam Gru ; 3.00; 13100;occ; 76; 0;31897
15; 5754.5; 06-APR-2008 11:22:28; Dark ; 37.5; 31; Alp Gru ; 1.73; 15200;occ; 75; 0;31897
16; 5899.7; 06-APR-2008 11:24:54; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;31897
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18; 6476.7; 06-APR-2008 11:34:31; Dark ; 39.5; 43; Alp TrA ; 1.91; 4250;occ; 79; 0;31897
19; 6594.5; 06-APR-2008 11:36:28; Dark ; 38.5; 134; Bet TrA ; 2.81; 6600;occ; 77; 0;31897
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21; 6865.9; 06-APR-2008 11:41:00; Dark ; 39.0; 12; Alp1Cru ; 0.77; 30000;occ; 78; 0;31897
22; 6955.7; 06-APR-2008 11:42:30; Dark ; 43.0; 26; Gam Cru ; 1.62; 2900;occ; 86; 0;31897
23; 7075.4; 06-APR-2008 11:44:29; Dark ; 40.5; 64; Gam Cen ; 2.20; 10600;occ; 81; 0;31897
24; 7512.3; 06-APR-2008 11:51:46; Dark ; 43.0; 106; 9Bet Crv ; 2.65; 5600;occ; 86; 0;31897
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3; 2260.0; 06-APR-2008 12:04:50; Bright; 34.5; 96; 68Del Leo ; 2.56; 9300;occ; 69; 0;31898
4; 2664.3; 06-APR-2008 12:11:34; Bright; 36.5; 174; 52Psi UMa ; 3.00; 4400;occ; 73; 0;31898
5; 2832.4; 06-APR-2008 12:14:22; Bright; 36.0; 87; 64Gam UMa ; 2.43; 11000;occ; 72; 0;31898
6; 2955.5; 06-APR-2008 12:16:25; Bright; 36.5; 36; 50Alp UMa ; 1.80; 6300;occ; 73; 0;31898
7; 3441.3; 06-APR-2008 12:24:31; Bright; 33.5; 49; 1Alp UMi ; 1.99; 6300;occ; 67; 0;31898
8; 3860.5; 06-APR-2008 12:31:30; Bright; 33.5; 76; 27Gam Cas ; 2.30; 30000;occ; 67; 0;31898
9; 3940.1; 06-APR-2008 12:32:50; Bright; 35.0; 68; 18Alp Cas ; 2.22; 4500;occ; 70; 0;31898
10; 4852.2; 06-APR-2008 12:48:02; Dark ; 43.5; 61; 8Eps Peg ; 2.10; 3900;occ; 87; 0;31898
11; 5001.0; 06-APR-2008 12:50:31; Dark ; 40.0; 162; 34Alp Aqr ; 2.94; 5350;occ; 80; 0;31898
12; 5136.8; 06-APR-2008 12:52:47; Dark ; 42.5; 154; 22Bet Aqr ; 2.90; 5700;occ; 85; 0;31898
13; 5287.2; 06-APR-2008 12:55:17; Dark ; 42.0; 142; 49Del Cap ; 2.85; 8900;occ; 84; 0;31898
14; 5441.7; 06-APR-2008 12:57:51; Dark ; 41.5; 18; 24Alp PsA ; 1.17; 9700;occ; 83; 0;31898
15; 5616.7; 06-APR-2008 13:00:46; Dark ; 38.0; 172; Gam Gru ; 3.00; 13100;occ; 76; 0;31898
16; 5754.8; 06-APR-2008 13:03:05; Dark ; 41.5; 31; Alp Gru ; 1.73; 15200;occ; 83; 0;31898
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18; 6025.9; 06-APR-2008 13:07:36; Dark ; 37.0; 45; Alp Pav ; 1.94; 26000;occ; 74; 0;31898
19; 6477.2; 06-APR-2008 13:15:07; Dark ; 39.0; 43; Alp TrA ; 1.91; 4250;occ; 78; 0;31898


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21; 6748.5; 06-APR-2008 13:19:38; Dark ; 48.5; 4; Alp1Cen ;-0.01; 5800;occ; 97; 0;31898
22; 6866.1; 06-APR-2008 13:21:36; Dark ; 40.5; 12; Alp1Cru ; 0.77; 30000;occ; 81; 0;31898
23; 6956.0; 06-APR-2008 13:23:06; Dark ; 43.5; 26; Gam Cru ; 1.62; 2900;occ; 87; 0;31898
24; 7075.6; 06-APR-2008 13:25:05; Dark ; 36.5; 64; Gam Cen ; 2.20; 10600;occ; 73; 0;31898
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 3; 2260.1; 06-APR-2008 13:45:26; Bright; 34.0; 96; 68Del Leo ; 2.56; 9300;occ; 68; 0;31899
 4; 2664.4; 06-APR-2008 13:52:10; Bright; 36.0; 174; 52Psi UMa ; 3.00; 4400;occ; 72; 0;31899
 5; 2832.2; 06-APR-2008 13:54:58; Bright; 36.0; 87; 64Gam UMa ; 2.43; 11000;occ; 72; 0;31899
 6; 2955.5; 06-APR-2008 13:57:01; Bright; 37.5; 36; 50Alp UMa ; 1.80; 6300;occ; 75; 0;31899
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 8; 3860.9; 06-APR-2008 14:12:07; Bright; 36.0; 76; 27Gam Cas ; 2.30; 30000;occ; 72; 0;31899
 9; 3940.5; 06-APR-2008 14:13:26; Bright; 36.0; 68; 18Alp Cas ; 2.22; 4500;occ; 72; 0;31899
10; 4455.4; 06-APR-2008 14:22:01; Bright; 34.5; 164; 44Eta Peg ; 2.95; 5400;occ; 69; 0;31899
11; 4852.6; 06-APR-2008 14:28:38; Dark ; 45.5; 61; 8Eps Peg ; 2.10; 3900;occ; 91; 0;31899
12; 5001.4; 06-APR-2008 14:31:07; Dark ; 41.0; 162; 34Alp Aqr ; 2.94; 5350;occ; 82; 0;31899
13; 5137.4; 06-APR-2008 14:33:23; Dark ; 42.5; 154; 22Bet Aqr ; 2.90; 5700;occ; 85; 0;31899
14; 5287.7; 06-APR-2008 14:35:53; Dark ; 39.5; 142; 49Del Cap ; 2.85; 8900;occ; 79; 0;31899
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16; 5617.3; 06-APR-2008 14:41:23; Dark ; 37.0; 172; Gam Gru ; 3.00; 13100;occ; 74; 0;31899
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19; 6026.5; 06-APR-2008 14:48:12; Dark ; 39.0; 45; Alp Pav ; 1.94; 26000;occ; 78; 0;31899
20; 6477.7; 06-APR-2008 14:55:43; Dark ; 44.5; 43; Alp TrA ; 1.91; 4250;occ; 89; 0;31899
21; 6595.6; 06-APR-2008 14:57:41; Dark ; 38.0; 134; Bet TrA ; 2.81; 6600;occ; 76; 0;31899
22; 6749.0; 06-APR-2008 15:00:15; Dark ; 47.5; 4; Alp1Cen ;-0.01; 5800;occ; 95; 0;31899
23; 6866.3; 06-APR-2008 15:02:12; Dark ; 44.5; 12; Alp1Cru ; 0.77; 30000;occ; 89; 0;31899
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 6; 2832.2; 06-APR-2008 15:35:34; Bright; 54.0; 87; 64Gam UMa ; 2.43; 11000;occ; 108; 0;31900
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13; 5001.8; 06-APR-2008 16:11:43; Dark ; 43.5; 162; 34Alp Aqr ; 2.94; 5350;occ; 87; 0;31900
14; 5137.9; 06-APR-2008 16:13:59; Dark ; 44.0; 154; 22Bet Aqr ; 2.90; 5700;occ; 88; 0;31900
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21; 6596.2; 06-APR-2008 16:38:18; Dark ; 38.5; 134; Bet TrA ; 2.81; 6600;occ; 77; 0;31900
22; 6749.5; 06-APR-2008 16:40:51; Dark ; 52.5; 4; Alp1Cen ;-0.01; 5800;occ; 105; 0;31900
23; 6866.6; 06-APR-2008 16:42:48; Dark ; 43.0; 12; Alp1Cru ; 0.77; 30000;occ; 86; 0;31900
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18; 2955.4; 07-APR-2008 23:29:00; Bright; 33.0; 36; 50Alp UMa ; 1.80; 6300;occ; 66; 0;31919
19; 3441.4; 07-APR-2008 23:37:06; Bright; 35.0; 49; 1Alp UMi ; 1.99; 6300;occ; 70; 0;31919
20; 3843.9; 07-APR-2008 23:43:48; Bright; 34.5; 110; 37Del Cas ; 2.68; 8900;occ; 69; 0;31919
21; 3927.7; 07-APR-2008 23:45:12; Bright; 46.5; 74; 11Bet Cas ; 2.27; 6600;occ; 93; 0;31919
22; 4458.3; 07-APR-2008 23:54:02; Bright; 34.5; 164; 44Eta Peg ; 2.95; 5400;occ; 69; 0;31919
23; 5007.8; 08-APR-2008 00:03:12; Dark ; 41.0; 162; 34Alp Aqr ; 2.94; 5350;occ; 82; 0;31919
24; 5296.0; 08-APR-2008 00:08:00; Dark ; 39.5; 142; 49Del Cap ; 2.85; 8900;occ; 79; 0;31919

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

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

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

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 3;-1576.9; 08-APR-2008 04:55:51; Bright; 34.5; 164; 44Eta Peg ; 2.95; 5400;occ; 69; 0;31922
 4;-1027.1; 08-APR-2008 05:05:01; Dark ; 42.0; 162; 34Alp Aqr ; 2.94; 5350;occ; 84; 0;31922
 5; -738.5; 08-APR-2008 05:09:49; Dark ; 44.0; 142; 49Del Cap ; 2.85; 8900;occ; 88; 0;31922
 6; -591.4; 08-APR-2008 05:12:16; Dark ; 42.0; 18; 24Alp PsA ; 1.17; 9700;occ; 84; 0;31922
 7; -411.1; 08-APR-2008 05:15:17; Dark ; 38.0; 172; Gam Gru ; 3.00; 13100;occ; 76; 0;31922
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 9; -124.6; 08-APR-2008 05:20:03; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;31922
 10; 0.9; 08-APR-2008 05:22:09; Dark ; 43.0; 45; Alp Pav ; 1.94; 26000;occ; 86; 0;31923
 11; 451.3; 08-APR-2008 05:29:39; Dark ; 49.0; 43; Alp TrA ; 1.91; 4250;occ; 98; 0;31923
 12; 570.8; 08-APR-2008 05:31:39; Dark ; 41.0; 134; Bet TrA ; 2.81; 6600;occ; 82; 0;31923
 13; 722.7; 08-APR-2008 05:34:11; Dark ; 51.5; 4; Alp1Cen ;-0.01; 5800;occ; 103; 0;31923
 14; 834.8; 08-APR-2008 05:36:03; Dark ; 41.5; 12; Alp1Cru ; 0.77; 30000;occ; 83; 0;31923
 15; 925.5; 08-APR-2008 05:37:33; Dark ; 51.5; 26; Gam Cru ; 1.62; 2900;occ; 103; 0;31923
 16; 1046.1; 08-APR-2008 05:39:34; Dark ; 38.5; 64; Gam Cen ; 2.20; 10600;occ; 77; 0;31923
 17; 1481.2; 08-APR-2008 05:46:49; Dark ; 43.5; 106; 9Bet Crv ; 2.65; 5600;occ; 87; 0;31923
 18; 1593.6; 08-APR-2008 05:48:41; Dark ; 41.0; 100; 4Gam Crv ; 2.58; 13100;occ; 82; 0;31923
 19; 2155.5; 08-APR-2008 05:58:03; Bright; 36.0; 62; 94Bet Leo ; 2.14; 9700;occ; 72; 0;31923
 20; 2262.2; 08-APR-2008 05:59:50; Bright; 34.5; 96; 68Del Leo ; 2.56; 9300;occ; 69; 0;31923
 21; 2665.0; 08-APR-2008 06:06:33; Bright; 36.5; 174; 52Psi UMa ; 3.00; 4400;occ; 73; 0;31923
 22; 2829.0; 08-APR-2008 06:09:17; Bright; 35.0; 87; 64Gam UMa ; 2.43; 11000;occ; 70; 0;31923
 23; 2955.6; 08-APR-2008 06:11:23; Bright; 36.0; 36; 50Alp UMa ; 1.80; 6300;occ; 72; 0;31923
 24; 3441.6; 08-APR-2008 06:19:29; Bright; 35.0; 49; 1Alp UMi ; 1.99; 6300;occ; 70; 0;31923

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 3;-1576.7; 08-APR-2008 06:36:27; Bright; 34.0; 164; 44Eta Peg ; 2.95; 5400;occ; 68; 0;31923
 4;-1026.8; 08-APR-2008 06:45:37; Dark ; 41.0; 162; 34Alp Aqr ; 2.94; 5350;occ; 82; 0;31923
 5; -738.1; 08-APR-2008 06:50:26; Dark ; 41.5; 142; 49Del Cap ; 2.85; 8900;occ; 83; 0;31923
 6; -591.3; 08-APR-2008 06:52:53; Dark ; 41.5; 18; 24Alp PsA ; 1.17; 9700;occ; 83; 0;31923
 7; -410.7; 08-APR-2008 06:55:53; Dark ; 38.0; 172; Gam Gru ; 3.00; 13100;occ; 76; 0;31923
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 9; -124.1; 08-APR-2008 07:00:40; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;31923
 10; 1.5; 08-APR-2008 07:02:45; Dark ; 38.5; 45; Alp Pav ; 1.94; 26000;occ; 77; 0;31924
 11; 451.7; 08-APR-2008 07:10:16; Dark ; 42.5; 43; Alp TrA ; 1.91; 4250;occ; 85; 0;31924
 12; 571.3; 08-APR-2008 07:12:15; Dark ; 41.0; 134; Bet TrA ; 2.81; 6600;occ; 82; 0;31924
 13; 723.1; 08-APR-2008 07:14:47; Dark ; 44.5; 4; Alp1Cen ;-0.01; 5800;occ; 89; 0;31924
 14; 835.0; 08-APR-2008 07:16:39; Dark ; 41.0; 12; Alp1Cru ; 0.77; 30000;occ; 82; 0;31924
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 16; 1046.4; 08-APR-2008 07:20:10; Dark ; 39.5; 64; Gam Cen ; 2.20; 10600;occ; 79; 0;31924
 17; 1481.3; 08-APR-2008 07:27:25; Dark ; 42.5; 106; 9Bet Crv ; 2.65; 5600;occ; 85; 0;31924
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 3; 2664.9; 08-APR-2008 07:47:09; Bright; 36.0; 174; 52Psi UMa ; 3.00; 4400;occ; 72; 0;31924
 4; 2828.6; 08-APR-2008 07:49:52; Bright; 36.5; 87; 64Gam UMa ; 2.43; 11000;occ; 73; 0;31924
 5; 2955.7; 08-APR-2008 07:51:59; Bright; 37.0; 36; 50Alp UMa ; 1.80; 6300;occ; 74; 0;31924
 6; 3441.6; 08-APR-2008 08:00:05; Bright; 33.0; 49; 1Alp UMi ; 1.99; 6300;occ; 66; 0;31924
 7; 3845.5; 08-APR-2008 08:06:49; Bright; 36.5; 110; 37Del Cas ; 2.68; 8900;occ; 73; 0;31924
 8; 3928.7; 08-APR-2008 08:08:12; Bright; 36.0; 74; 11Bet Cas ; 2.27; 6600;occ; 72; 0;31924
 9; 4459.4; 08-APR-2008 08:17:03; Bright; 35.0; 164; 44Eta Peg ; 2.95; 5400;occ; 70; 0;31924
 10; 5009.5; 08-APR-2008 08:26:13; Dark ; 44.0; 162; 34Alp Aqr ; 2.94; 5350;occ; 88; 0;31924
 11; 5298.3; 08-APR-2008 08:31:02; Dark ; 41.0; 142; 49Del Cap ; 2.85; 8900;occ; 82; 0;31924
 12; 5444.8; 08-APR-2008 08:33:29; Dark ; 40.0; 18; 24Alp PsA ; 1.17; 9700;occ; 80; 0;31924
 13; 5625.5; 08-APR-2008 08:36:29; Dark ; 37.5; 172; Gam Gru ; 3.00; 13100;occ; 75; 0;31924
 14; 5760.9; 08-APR-2008 08:38:45; Dark ; 40.0; 31; Alp Gru ; 1.73; 15200;occ; 80; 0;31924
 15; 5912.3; 08-APR-2008 08:41:16; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;31924
 16; 6037.8; 08-APR-2008 08:43:22; Dark ; 38.5; 45; Alp Pav ; 1.94; 26000;occ; 77; 0;31924
 17; 6488.1; 08-APR-2008 08:50:52; Dark ; 39.5; 43; Alp TrA ; 1.91; 4250;occ; 79; 0;31924
 18; 6607.7; 08-APR-2008 08:52:52; Dark ; 37.0; 134; Bet TrA ; 2.81; 6600;occ; 74; 0;31924
 19; 6759.4; 08-APR-2008 08:55:23; Dark ; 53.5; 4; Alp1Cen ; -0.01; 5800;occ; 107; 0;31924
 20; 6871.2; 08-APR-2008 08:57:15; Dark ; 40.5; 12; Alp1Cru ; 0.77; 30000;occ; 81; 0;31924
 21; 6961.9; 08-APR-2008 08:58:46; Dark ; 48.0; 26; Gam Cru ; 1.62; 2900;occ; 96; 0;31924
 22; 7082.5; 08-APR-2008 09:00:46; Dark ; 37.5; 64; Gam Cen ; 2.20; 10600;occ; 75; 0;31924
 23; 7517.4; 08-APR-2008 09:08:01; Dark ; 43.5; 106; 9Bet Crv ; 2.65; 5600;occ; 87; 0;31924
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 4; 2828.6; 08-APR-2008 09:30:28; Bright; 35.0; 87; 64Gam UMa ; 2.43; 11000;occ; 70; 0;31925
 5; 2955.7; 08-APR-2008 09:32:35; Bright; 36.0; 36; 50Alp UMa ; 1.80; 6300;occ; 72; 0;31925
 6; 3845.8; 08-APR-2008 09:47:25; Bright; 37.5; 110; 37Del Cas ; 2.68; 8900;occ; 75; 0;31925
 7; 3928.8; 08-APR-2008 09:48:49; Bright; 34.0; 74; 11Bet Cas ; 2.27; 6600;occ; 68; 0;31925
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 9; 5009.8; 08-APR-2008 10:06:49; Dark ; 43.0; 162; 34Alp Aqr ; 2.94; 5350;occ; 86; 0;31925
 10; 5298.7; 08-APR-2008 10:11:38; Dark ; 41.0; 142; 49Del Cap ; 2.85; 8900;occ; 82; 0;31925
 11; 5444.9; 08-APR-2008 10:14:05; Dark ; 40.5; 18; 24Alp PsA ; 1.17; 9700;occ; 81; 0;31925
 12; 5626.0; 08-APR-2008 10:17:06; Dark ; 39.5; 172; Gam Gru ; 3.00; 13100;occ; 79; 0;31925
 13; 5761.1; 08-APR-2008 10:19:21; Dark ; 42.5; 31; Alp Gru ; 1.73; 15200;occ; 85; 0;31925
 14; 5912.7; 08-APR-2008 10:21:52; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;31925
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 16; 6488.4; 08-APR-2008 10:31:28; Dark ; 38.5; 43; Alp TrA ; 1.91; 4250;occ; 77; 0;31925
 17; 6608.2; 08-APR-2008 10:33:28; Dark ; 39.0; 134; Bet TrA ; 2.81; 6600;occ; 78; 0;31925
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 3; -401.9; 09-APR-2008 23:10:24; Dark ; 38.5; 172; Gam Gru ; 3.00; 13100;occ; 77; 0;31947
 4; -269.2; 09-APR-2008 23:12:37; Dark ; 40.0; 31; Alp Gru ; 1.73; 15200;occ; 80; 0;31947
 5; -112.5; 09-APR-2008 23:15:13; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;31947
 6; 12.7; 09-APR-2008 23:17:19; Dark ; 38.5; 45; Alp Pav ; 1.94; 26000;occ; 77; 0;31948
 7; 461.7; 09-APR-2008 23:24:47; Dark ; 37.0; 43; Alp TrA ; 1.91; 4250;occ; 74; 0;31948
 8; 582.8; 09-APR-2008 23:26:49; Dark ; 38.5; 134; Bet TrA ; 2.81; 6600;occ; 77; 0;31948
 9; 733.0; 09-APR-2008 23:29:19; Dark ; 40.5; 4; Alp1Cen ; -0.01; 5800;occ; 81; 0;31948
 10; 839.3; 09-APR-2008 23:31:05; Dark ; 37.5; 12; Alp1Cru ; 0.77; 30000;occ; 75; 0;31948
 11; 930.8; 09-APR-2008 23:32:37; Dark ; 48.5; 26; Gam Cru ; 1.62; 2900;occ; 97; 0;31948
 12; 1052.4; 09-APR-2008 23:34:38; Dark ; 42.0; 64; Gam Cen ; 2.20; 10600;occ; 84; 0;31948
 13; 1214.7; 09-APR-2008 23:37:21; Dark ; 40.5; 123; Tot Cen ; 2.75; 10200;occ; 81; 0;31948
 14; 1485.5; 09-APR-2008 23:41:51; Dark ; 40.5; 106; 9Bet Crv ; 2.65; 5600;occ; 81; 0;31948
 15; 1597.2; 09-APR-2008 23:43:43; Dark ; 40.0; 100; 4Gam Crv ; 2.58; 13100;occ; 80; 0;31948
 16; 2155.7; 09-APR-2008 23:53:01; Bright; 36.0; 62; 94Bet Leo ; 2.14; 9700;occ; 72; 0;31948
 17; 2265.0; 09-APR-2008 23:54:51; Bright; 35.0; 96; 68Del Leo ; 2.56; 9300;occ; 70; 0;31948
 18; 2666.1; 10-APR-2008 00:01:32; Bright; 35.0; 174; 52Psi UMa ; 3.00; 4400;occ; 70; 0;31948
 19; 2825.7; 10-APR-2008 00:04:12; Bright; 39.0; 87; 64Gam UMa ; 2.43; 11000;occ; 78; 0;31948
 20; 2956.1; 10-APR-2008 00:06:22; Bright; 37.0; 36; 50Alp UMA ; 1.80; 6300;occ; 74; 0;31948
 21; 3441.8; 10-APR-2008 00:14:28; Bright; 35.0; 49; 1Alp UMi ; 1.99; 6300;occ; 70; 0;31948
 22; 3852.7; 10-APR-2008 00:21:19; Bright; 34.5; 110; 37Del Cas ; 2.68; 8900;occ; 69; 0;31948
 23; 3932.8; 10-APR-2008 00:22:39; Bright; 33.5; 74; 11Bet Cas ; 2.27; 6600;occ; 67; 0;31948
 24; 4463.0; 10-APR-2008 00:31:29; Bright; 35.5; 164; 44Eta Peg ; 2.95; 5400;occ; 71; 0;31948
 25; 5017.7; 10-APR-2008 00:40:44; Dark ; 43.5; 162; 34Alp Aqr ; 2.94; 5350;occ; 87; 0;31948
 26; 5309.1; 10-APR-2008 00:45:35; Dark ; 31.0; 142; 49Del Cap ; 2.85; 8900;occ; 62; 0;31948

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 3; -1574.4; 09-APR-2008 07:45:28; Bright; 34.5; 164; 44Eta Peg ; 2.95; 5400;occ; 69; 0;31938
 4; -1021.6; 09-APR-2008 07:54:41; Dark ; 41.5; 162; 34Alp Aqr ; 2.94; 5350;occ; 83; 0;31938
 5; -731.4; 09-APR-2008 07:59:31; Dark ; 41.0; 142; 49Del Cap ; 2.85; 8900;occ; 82; 0;31938
 6; -589.2; 09-APR-2008 08:01:53; Dark ; 42.0; 18; 24Alp PsA ; 1.17; 9700;occ; 84; 0;31938

7; -405.3; 09-APR-2008 08:04:57; Dark ; 38.0; 172; Gam Gru ; 3.00; 13100;occ; 76; 0;31938
8; -271.5; 09-APR-2008 08:07:11; Dark ; 41.5; 31; Alp Gru ; 1.73; 15200;occ; 83; 0;31938
9; -116.9; 09-APR-2008 08:09:46; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;31938
10; 8.5; 09-APR-2008 08:11:51; Dark ; 39.0; 45; Alp Pav ; 1.94; 26000;occ; 78; 0;31939
11; 458.0; 09-APR-2008 08:19:21; Dark ; 43.0; 43; Alp TrA ; 1.91; 4250;occ; 86; 0;31939
12; 578.5; 09-APR-2008 08:21:21; Dark ; 39.0; 134; Bet TrA ; 2.81; 6600;occ; 78; 0;31939
13; 729.3; 09-APR-2008 08:23:52; Dark ; 43.5; 4; Alp1Cen ;-0.01; 5800;occ; 87; 0;31939
14; 837.8; 09-APR-2008 08:25:40; Dark ; 37.0; 12; Alp1Cru ; 0.77; 30000;occ; 74; 0;31939
15; 929.1; 09-APR-2008 08:27:12; Dark ; 43.5; 26; Gam Cru ; 1.62; 2900;occ; 87; 0;31939
16; 1050.2; 09-APR-2008 08:29:13; Dark ; 40.5; 64; Gam Cen ; 2.20; 10600;occ; 81; 0;31939
17; 1212.0; 09-APR-2008 08:31:55; Dark ; 41.0; 123; Tot Cen ; 2.75; 10200;occ; 82; 0;31939
18; 1483.9; 09-APR-2008 08:36:27; Dark ; 42.5; 106; 9Bet Crv ; 2.65; 5600;occ; 85; 0;31939
19; 1595.9; 09-APR-2008 08:38:18; Dark ; 39.0; 100; 4Gam Crv ; 2.58; 13100;occ; 78; 0;31939

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2; 2264.0; 09-APR-2008 08:49:27; Bright; 34.5; 96; 68Del Leo ; 2.56; 9300;occ; 69; 0;31939
3; 2665.6; 09-APR-2008 08:56:08; Bright; 34.0; 174; 52Psi UMa ; 3.00; 4400;occ; 68; 0;31939
4; 2826.9; 09-APR-2008 08:58:49; Bright; 37.0; 87; 64Gam UMa ; 2.43; 11000;occ; 74; 0;31939
5; 2956.0; 09-APR-2008 09:00:59; Bright; 37.5; 36; 50Alp UMa ; 1.80; 6300;occ; 75; 0;31939
6; 3441.7; 09-APR-2008 09:09:04; Bright; 32.5; 49; 1Alp UMi ; 1.99; 6300;occ; 65; 0;31939
7; 3849.9; 09-APR-2008 09:15:53; Bright; 34.5; 110; 37Del Cas ; 2.68; 8900;occ; 69; 0;31939
8; 3931.4; 09-APR-2008 09:17:14; Bright; 46.0; 74; 11Bet Cas ; 2.27; 6600;occ; 92; 0;31939
9; 4461.6; 09-APR-2008 09:26:04; Bright; 34.5; 164; 44Eta Peg ; 2.95; 5400;occ; 69; 0;31939
10; 5014.5; 09-APR-2008 09:35:17; Dark ; 41.5; 162; 34Alp Aqr ; 2.94; 5350;occ; 83; 0;31939
11; 5304.9; 09-APR-2008 09:40:07; Dark ; 41.0; 142; 49Del Cap ; 2.85; 8900;occ; 82; 0;31939
12; 5446.8; 09-APR-2008 09:42:29; Dark ; 40.0; 18; 24Alp PsA ; 1.17; 9700;occ; 80; 0;31939
13; 5631.0; 09-APR-2008 09:45:34; Dark ; 39.5; 172; Gam Gru ; 3.00; 13100;occ; 79; 0;31939
14; 5764.7; 09-APR-2008 09:47:47; Dark ; 38.5; 31; Alp Gru ; 1.73; 15200;occ; 77; 0;31939
15; 5919.4; 09-APR-2008 09:50:22; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;31939
16; 6044.7; 09-APR-2008 09:52:27; Dark ; 39.5; 45; Alp Pav ; 1.94; 26000;occ; 79; 0;31939
17; 6494.4; 09-APR-2008 09:59:57; Dark ; 39.0; 43; Alp TrA ; 1.91; 4250;occ; 78; 0;31939
18; 6614.9; 09-APR-2008 10:01:57; Dark ; 38.0; 134; Bet TrA ; 2.81; 6600;occ; 76; 0;31939
19; 6765.5; 09-APR-2008 10:04:28; Dark ; 53.5; 4; Alp1Cen ;-0.01; 5800;occ; 107; 0;31939
20; 6873.9; 09-APR-2008 10:06:16; Dark ; 39.0; 12; Alp1Cru ; 0.77; 30000;occ; 78; 0;31939
21; 6965.1; 09-APR-2008 10:07:48; Dark ; 44.0; 26; Gam Cru ; 1.62; 2900;occ; 88; 0;31939
22; 7086.3; 09-APR-2008 10:09:49; Dark ; 41.5; 64; Gam Cen ; 2.20; 10600;occ; 83; 0;31939
23; 7248.1; 09-APR-2008 10:12:31; Dark ; 38.0; 123; Tot Cen ; 2.75; 10200;occ; 76; 0;31939
24; 7520.0; 09-APR-2008 10:17:03; Dark ; 42.5; 106; 9Bet Crv ; 2.65; 5600;occ; 85; 0;31939
25; 7631.9; 09-APR-2008 10:18:54; Dark ; 39.5; 100; 4Gam Crv ; 2.58; 13100;occ; 79; 0;31939

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3; 2665.6; 09-APR-2008 10:36:44; Bright; 34.0; 174; 52Psi UMa ; 3.00; 4400;occ; 68; 0;31940
4; 2826.9; 09-APR-2008 10:39:25; Bright; 35.5; 87; 64Gam UMa ; 2.43; 11000;occ; 71; 0;31940
5; 2955.9; 09-APR-2008 10:41:34; Bright; 36.5; 36; 50Alp UMa ; 1.80; 6300;occ; 73; 0;31940
6; 3441.7; 09-APR-2008 10:49:40; Bright; 35.5; 49; 1Alp UMi ; 1.99; 6300;occ; 71; 0;31940
7; 3850.2; 09-APR-2008 10:56:29; Bright; 34.0; 110; 37Del Cas ; 2.68; 8900;occ; 68; 0;31940
8; 3931.5; 09-APR-2008 10:57:50; Bright; 33.0; 74; 11Bet Cas ; 2.27; 6600;occ; 66; 0;31940
9; 4461.7; 09-APR-2008 11:06:40; Bright; 34.5; 164; 44Eta Peg ; 2.95; 5400;occ; 69; 0;31940
10; 5014.8; 09-APR-2008 11:15:53; Dark ; 43.0; 162; 34Alp Aqr ; 2.94; 5350;occ; 86; 0;31940
11; 5305.4; 09-APR-2008 11:20:44; Dark ; 39.5; 142; 49Del Cap ; 2.85; 8900;occ; 79; 0;31940
12; 5447.0; 09-APR-2008 11:23:05; Dark ; 41.5; 18; 24Alp PsA ; 1.17; 9700;occ; 83; 0;31940
13; 5631.4; 09-APR-2008 11:26:10; Dark ; 37.0; 172; Gam Gru ; 3.00; 13100;occ; 74; 0;31940
14; 5764.8; 09-APR-2008 11:28:23; Dark ; 41.5; 31; Alp Gru ; 1.73; 15200;occ; 83; 0;31940
15; 5919.9; 09-APR-2008 11:30:58; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;31940
16; 6045.3; 09-APR-2008 11:33:04; Dark ; 39.5; 45; Alp Pav ; 1.94; 26000;occ; 79; 0;31940
17; 6494.7; 09-APR-2008 11:40:33; Dark ; 41.5; 43; Alp TrA ; 1.91; 4250;occ; 83; 0;31940
18; 6615.4; 09-APR-2008 11:42:34; Dark ; 39.0; 134; Bet TrA ; 2.81; 6600;occ; 78; 0;31940
19; 6766.0; 09-APR-2008 11:45:04; Dark ; 42.0; 4; Alp1Cen ;-0.01; 5800;occ; 84; 0;31940
20; 6874.0; 09-APR-2008 11:46:52; Dark ; 41.0; 12; Alp1Cru ; 0.77; 30000;occ; 82; 0;31940
21; 6965.3; 09-APR-2008 11:48:24; Dark ; 46.0; 26; Gam Cru ; 1.62; 2900;occ; 92; 0;31940
22; 7086.5; 09-APR-2008 11:50:25; Dark ; 40.5; 64; Gam Cen ; 2.20; 10600;occ; 81; 0;31940
23; 7248.3; 09-APR-2008 11:53:07; Dark ; 40.5; 123; Tot Cen ; 2.75; 10200;occ; 81; 0;31940
24; 7520.1; 09-APR-2008 11:57:39; Dark ; 40.5; 106; 9Bet Crv ; 2.65; 5600;occ; 81; 0;31940
25; 7632.1; 09-APR-2008 11:59:31; Dark ; 38.5; 100; 4Gam Crv ; 2.58; 13100;occ; 77; 0;31940

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2; 2155.5; 09-APR-2008 12:08:50; Bright; 36.0; 62; 94Bet Leo ; 2.14; 9700;occ; 72; 0;31941

3;	2264.0;	09-APR-2008	12:10:38;	Bright;	35.5;	96;	68Del Leo	;	2.56;	9300;occ;	71;	0;	31941	
4;	2665.7;	09-APR-2008	12:17:20;	Bright;	35.5;	174;	52Psi UMa	;	3.00;	4400;occ;	71;	0;	31941	
5;	2826.6;	09-APR-2008	12:20:01;	Bright;	35.5;	87;	64Gam UMa	;	2.43;	11000;occ;	71;	0;	31941	
6;	2955.9;	09-APR-2008	12:22:10;	Bright;	38.5;	36;	50Alp UMa	;	1.80;	6300;occ;	77;	0;	31941	
7;	3441.8;	09-APR-2008	12:30:16;	Bright;	35.0;	49;	1Alp UMi	;	1.99;	6300;occ;	70;	0;	31941	
8;	3850.6;	09-APR-2008	12:37:05;	Bright;	33.5;	110;	37Del Cas	;	2.68;	8900;occ;	67;	0;	31941	
9;	3931.7;	09-APR-2008	12:38:26;	Bright;	35.0;	74;	11Bet Cas	;	2.27;	6600;occ;	70;	0;	31941	
10;	4461.9;	09-APR-2008	12:47:16;	Bright;	34.5;	164;	44Eta Peg	;	2.95;	5400;occ;	69;	0;	31941	
11;	5015.3;	09-APR-2008	12:56:30;	Dark	;	43.0;	162;	34Alp Aqr	;	2.94;	5350;occ;	86;	0;	31941
12;	5305.9;	09-APR-2008	13:01:20;	Dark	;	41.0;	142;	49Del Cap	;	2.85;	8900;occ;	82;	0;	31941
13;	5447.1;	09-APR-2008	13:03:41;	Dark	;	43.0;	18;	24Alp PsA	;	1.17;	9700;occ;	86;	0;	31941
14;	5631.7;	09-APR-2008	13:06:46;	Dark	;	38.0;	172;	Gam Gru	;	3.00;	13100;occ;	76;	0;	31941
15;	5765.1;	09-APR-2008	13:08:59;	Dark	;	38.0;	31;	Alp Gru	;	1.73;	15200;occ;	76;	0;	31941
16;	5920.4;	09-APR-2008	13:11:35;	Dark	;	59.5;	0;		;	0.00;	0;occ;	119;	0;	31941
17;	6045.7;	09-APR-2008	13:13:40;	Dark	;	41.5;	45;	Alp Pav	;	1.94;	26000;occ;	83;	0;	31941
18;	6495.2;	09-APR-2008	13:21:09;	Dark	;	39.5;	43;	Alp TrA	;	1.91;	4250;occ;	79;	0;	31941
19;	6615.9;	09-APR-2008	13:23:10;	Dark	;	41.0;	134;	Bet TrA	;	2.81;	6600;occ;	82;	0;	31941
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21;	6874.2;	09-APR-2008	13:27:28;	Dark	;	38.0;	12;	Alp1Cru	;	0.77;	30000;occ;	76;	0;	31941
22;	6965.5;	09-APR-2008	13:29:00;	Dark	;	48.5;	26;	Gam Cru	;	1.62;	2900;occ;	97;	0;	31941
23;	7086.8;	09-APR-2008	13:31:01;	Dark	;	38.5;	64;	Gam Cen	;	2.20;	10600;occ;	77;	0;	31941
24;	7248.7;	09-APR-2008	13:33:43;	Dark	;	42.0;	123;	Iot Cen	;	2.75;	10200;occ;	84;	0;	31941
25;	7520.3;	09-APR-2008	13:38:15;	Dark	;	44.5;	106;	9Bet Crv	;	2.65;	5600;occ;	89;	0;	31941
26;	7632.3;	09-APR-2008	13:40:07;	Dark	;	16.5;	100;	4Gam Crv	;	2.58;	13100;occ;	33;	0;	31941
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2;	2155.6;	09-APR-2008	13:49:26;	Bright;	35.5;	62;	94Bet Leo	;	2.14;	9700;occ;	71;	0;	31942	
3;	2264.3;	09-APR-2008	13:51:14;	Bright;	34.5;	96;	68Del Leo	;	2.56;	9300;occ;	69;	0;	31942	
4;	2665.8;	09-APR-2008	13:57:56;	Bright;	36.0;	174;	52Psi UMa	;	3.00;	4400;occ;	72;	0;	31942	
5;	2826.6;	09-APR-2008	14:00:37;	Bright;	37.0;	87;	64Gam UMa	;	2.43;	11000;occ;	74;	0;	31942	
6;	2956.0;	09-APR-2008	14:02:46;	Bright;	36.5;	36;	50Alp UMa	;	1.80;	6300;occ;	73;	0;	31942	
7;	3441.9;	09-APR-2008	14:10:52;	Bright;	33.5;	49;	1Alp UMi	;	1.99;	6300;occ;	67;	0;	31942	
8;	3850.9;	09-APR-2008	14:17:41;	Bright;	34.0;	110;	37Del Cas	;	2.68;	8900;occ;	68;	0;	31942	
9;	3931.9;	09-APR-2008	14:19:02;	Bright;	35.0;	74;	11Bet Cas	;	2.27;	6600;occ;	70;	0;	31942	
10;	4462.1;	09-APR-2008	14:27:52;	Bright;	35.0;	164;	44Eta Peg	;	2.95;	5400;occ;	70;	0;	31942	
11;	5015.7;	09-APR-2008	14:37:06;	Dark	;	44.0;	162;	34Alp Aqr	;	2.94;	5350;occ;	88;	0;	31942
12;	5306.4;	09-APR-2008	14:41:57;	Dark	;	43.5;	142;	49Del Cap	;	2.85;	8900;occ;	87;	0;	31942
13;	5447.3;	09-APR-2008	14:44:18;	Dark	;	38.5;	18;	24Alp PsA	;	1.17;	9700;occ;	77;	0;	31942
14;	5632.2;	09-APR-2008	14:47:22;	Dark	;	38.0;	172;	Gam Gru	;	3.00;	13100;occ;	76;	0;	31942
15;	5765.5;	09-APR-2008	14:49:36;	Dark	;	38.0;	31;	Alp Gru	;	1.73;	15200;occ;	76;	0;	31942
16;	5920.9;	09-APR-2008	14:52:11;	Dark	;	59.5;	0;		;	0.00;	0;occ;	119;	0;	31942
17;	6046.2;	09-APR-2008	14:54:16;	Dark	;	40.0;	45;	Alp Pav	;	1.94;	26000;occ;	80;	0;	31942
18;	6495.7;	09-APR-2008	15:01:46;	Dark	;	39.5;	43;	Alp TrA	;	1.91;	4250;occ;	79;	0;	31942
19;	6616.4;	09-APR-2008	15:03:47;	Dark	;	39.5;	134;	Bet TrA	;	2.81;	6600;occ;	79;	0;	31942
20;	6766.8;	09-APR-2008	15:06:17;	Dark	;	53.0;	4;	Alp1Cen	;	-0.01;	5800;occ;	106;	0;	31942
21;	6874.4;	09-APR-2008	15:08:05;	Dark	;	38.0;	12;	Alp1Cru	;	0.77;	30000;occ;	76;	0;	31942
22;	6965.8;	09-APR-2008	15:09:36;	Dark	;	37.5;	26;	Gam Cru	;	1.62;	2900;occ;	75;	0;	31942
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18; 6103.0; 17-APR-2008 09:01:40; Dark ; 41.5; 45; Alp Pav ; 1.94; 26000;occ; 83; 0;32053
19; 6540.9; 17-APR-2008 09:08:58; Dark ; 42.0; 43; Alp TrA ; 1.91; 4250;occ; 84; 0;32053
20; 6667.7; 17-APR-2008 09:11:05; Dark ; 39.0; 134; Bet TrA ; 2.81; 6600;occ; 78; 0;32053
21; 6809.2; 17-APR-2008 09:13:26; Dark ; 50.5; 4; Alp1Cen ;-0.01; 5800;occ; 101; 0;32053
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23; 7112.1; 17-APR-2008 09:18:29; Dark ; 38.5; 64; Gam Cen ; 2.20; 10600;occ; 77; 0;32053
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4; 2582.4; 17-APR-2008 09:43:35; Bright; 33.0; 152; 12Alp2CVn ; 2.89; 11000;occ; 66; 0;32054
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6; 2819.5; 17-APR-2008 09:47:33; Bright; 35.0; 87; 64Gam UMa ; 2.43; 11000;occ; 70; 0;32054
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16; 5680.7; 17-APR-2008 10:35:14; Dark ; 39.0; 172; Gam Gru ; 3.00; 13100;occ; 78; 0;32054
17; 5800.8; 17-APR-2008 10:37:14; Dark ; 38.5; 31; Alp Gru ; 1.73; 15200;occ; 77; 0;32054
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19; 6103.5; 17-APR-2008 10:42:17; Dark ; 44.5; 45; Alp Pav ; 1.94; 26000;occ; 89; 0;32054
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22; 6809.6; 17-APR-2008 10:54:03; Dark ; 50.5; 4; Alp1Cen ;-0.01; 5800;occ; 101; 0;32054
23; 6934.9; 17-APR-2008 10:56:08; Dark ; 40.0; 20; Bet Cru ; 1.25; 30000;occ; 80; 0;32054
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26; 7540.1; 17-APR-2008 11:06:13; Dark ; 39.5; 106; 9Bet Crv ; 2.65; 5600;occ; 79; 0;32054
27; 7658.9; 17-APR-2008 11:08:12; Bright; 35.5; 163; 7Del Crv ; 2.94; 11000;occ; 71; 0;32054

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2;	2163.4;	17-APR-2008	11:17:12;	Bright;	36.0;	62;	94Bet Leo	; 2.14;	9700;occ;	72;	0;	32055
3;	2283.6;	17-APR-2008	11:19:13;	Bright;	35.0;	96;	68Del Leo	; 2.56;	9300;occ;	70;	0;	32055
4;	2582.0;	17-APR-2008	11:24:11;	Bright;	33.0;	152;	12Alp2CVn	; 2.89;	11000;occ;	66;	0;	32055
5;	2678.5;	17-APR-2008	11:25:47;	Bright;	34.0;	174;	52Psi UMa	; 3.00;	4400;occ;	68;	0;	32055
6;	2819.6;	17-APR-2008	11:28:09;	Bright;	52.0;	87;	64Gam UMa	; 2.43;	11000;occ;	104;	0;	32055
7;	2963.5;	17-APR-2008	11:30:33;	Bright;	36.5;	36;	50Alp UMa	; 1.80;	6300;occ;	73;	0;	32055
8;	3443.0;	17-APR-2008	11:38:32;	Bright;	34.0;	49;	1Alp UMi	; 1.99;	6300;occ;	68;	0;	32055
9;	3880.7;	17-APR-2008	11:45:50;	Bright;	51.5;	110;	37Del Cas	; 2.68;	8900;occ;	103;	0;	32055
10;	3974.0;	17-APR-2008	11:47:23;	Bright;	34.0;	68;	18Alp Cas	; 2.22;	4500;occ;	68;	0;	32055
11;	4479.6;	17-APR-2008	11:55:49;	Bright;	37.0;	164;	44Eta Peg	; 2.95;	5400;occ;	74;	0;	32055
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13;	5367.3;	17-APR-2008	12:10:36;	Dark	; 43.0;	142;	49Del Cap	; 2.85;	8900;occ;	86;	0;	32055
14;	5471.0;	17-APR-2008	12:12:20;	Dark	; 45.0;	18;	24Alp PsA	; 1.17;	9700;occ;	90;	0;	32055
15;	5576.0;	17-APR-2008	12:14:05;	Dark	; 59.5;	0;		; 0.00;	0;occ;	119;	0;	32055
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17;	5801.1;	17-APR-2008	12:17:50;	Dark	; 41.0;	31;	Alp Gru	; 1.73;	15200;occ;	82;	0;	32055
18;	5990.2;	17-APR-2008	12:20:59;	Dark	; 43.0;	148;	Alp Tuc	; 2.88;	4100;occ;	86;	0;	32055
19;	6104.0;	17-APR-2008	12:22:53;	Dark	; 38.5;	45;	Alp Pav	; 1.94;	26000;occ;	77;	0;	32055
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21;	6668.6;	17-APR-2008	12:32:18;	Dark	; 37.5;	134;	Bet TrA	; 2.81;	6600;occ;	75;	0;	32055
22;	6809.9;	17-APR-2008	12:34:39;	Dark	; 51.5;	4;	Alp1Cen	; -0.01;	5800;occ;	103;	0;	32055
23;	6935.1;	17-APR-2008	12:36:44;	Dark	; 42.0;	20;	Bet Cru	; 1.25;	30000;occ;	84;	0;	32055
24;	7112.4;	17-APR-2008	12:39:41;	Dark	; 36.0;	64;	Gam Cen	; 2.20;	10600;occ;	72;	0;	32055
25;	7237.5;	17-APR-2008	12:41:47;	Dark	; 45.5;	54;	5The Cen	; 2.06;	4500;occ;	91;	0;	32055
26;	7540.3;	17-APR-2008	12:46:49;	Dark	; 41.5;	106;	9Bet Crv	; 2.65;	5600;occ;	83;	0;	32055
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2;	1876.9;	17-APR-2008	12:53:02;	Bright;	38.0;	121;	29Gam Vir	; 2.74;	7200;occ;	76;	0;	32056
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4;	2284.0;	17-APR-2008	12:59:49;	Bright;	35.5;	96;	68Del Leo	; 2.56;	9300;occ;	71;	0;	32056
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7;	2819.5;	17-APR-2008	13:08:44;	Bright;	35.5;	87;	64Gam UMa	; 2.43;	11000;occ;	71;	0;	32056
8;	2963.7;	17-APR-2008	13:11:09;	Bright;	36.0;	36;	50Alp UMa	; 1.80;	6300;occ;	72;	0;	32056
9;	3443.0;	17-APR-2008	13:19:08;	Bright;	33.0;	49;	1Alp UMi	; 1.99;	6300;occ;	66;	0;	32056
10;	3881.1;	17-APR-2008	13:26:26;	Bright;	32.5;	110;	37Del Cas	; 2.68;	8900;occ;	65;	0;	32056
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25;	7112.7;	17-APR-2008	14:20:18;	Dark	; 39.5;	64;	Gam Cen	; 2.20;	10600;occ;	79;	0;	32056
26;	7237.9;	17-APR-2008	14:22:23;	Dark	; 47.5;	54;	5The Cen	; 2.06;	4500;occ;	95;	0;	32056

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2;	1623.4;	17-APR-2008	14:29:24;	Bright;	36.5;	163;	7Del Crv	; 2.94;	11000;occ;	73;	0;	32057
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4;	2163.7;	17-APR-2008	14:38:24;	Bright;	34.0;	62;	94Bet Leo	; 2.14;	9700;occ;	68;	0;	32057
5;	2284.2;	17-APR-2008	14:40:25;	Bright;	33.5;	96;	68Del Leo	; 2.56;	9300;occ;	67;	0;	32057
6;	2581.6;	17-APR-2008	14:45:22;	Bright;	37.0;	152;	12Alp2CVn	; 2.89;	11000;occ;	74;	0;	32057
7;	2678.9;	17-APR-2008	14:47:00;	Bright;	36.0;	174;	52Psi UMa	; 3.00;	4400;occ;	72;	0;	32057
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9;	2963.9;	17-APR-2008	14:51:45;	Bright;	37.0;	36;	50Alp UMa	; 1.80;	6300;occ;	74;	0;	32057
10;	3443.2;	17-APR-2008	14:59:44;	Bright;	34.0;	49;	1Alp UMi	; 1.99;	6300;occ;	68;	0;	32057
11;	3881.4;	17-APR-2008	15:07:02;	Bright;	33.5;	110;	37Del Cas	; 2.68;	8900;occ;	67;	0;	32057
12;	3974.6;	17-APR-2008	15:08:35;	Bright;	34.0;	68;	18Alp Cas	; 2.22;	4500;occ;	68;	0;	32057

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22; 6542.5; 17-APR-2008 15:51:23; Dark ; 38.5; 43; Alp TrA ; 1.91; 4250;occ; 77; 0;32057
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6; 2163.7; 17-APR-2008 16:19:00; Bright; 35.0; 62; 94Bet Leo ; 2.14; 9700;occ; 70; 0;32058
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9; 2679.0; 17-APR-2008 16:27:36; Bright; 36.0; 174; 52Psi UMa ; 3.00; 4400;occ; 72; 0;32058
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14; 3974.7; 17-APR-2008 16:49:11; Bright; 32.0; 68; 18Alp Cas ; 2.22; 4500;occ; 64; 0;32058
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13; 4730.9; 19-APR-2008 14:17:57; Dark ; 42.5; 90; 54Alp Peg ; 2.49; 11000;occ; 85; 0;32085
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 3; 1878.8; 19-APR-2008 15:11:01; Bright; 36.5; 121; 29Gam Vir ; 2.74; 7200;occ; 73; 0;32086
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23; 6821.1; 19-APR-2008 18:14:00; Dark ; 51.0; 4; Alp1Cen ; -0.01; 5800;occ; 102; 0;32087
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3;	-220.9;	20-APR-2008	00:39:37;	Dark	;	42.0;	31;	Alp	Gru	;	1.73;	15200;occ;	84;	0;	32091
4;	-37.1;	20-APR-2008	00:42:41;	Dark	;	41.0;	148;	Alp	Tuc	;	2.88;	4100;occ;	82;	0;	32091
5;	88.1;	20-APR-2008	00:44:46;	Dark	;	39.0;	45;	Alp	Pav	;	1.94;	26000;occ;	78;	0;	32092
6;	519.9;	20-APR-2008	00:51:58;	Dark	;	41.5;	43;	Alp	TrA	;	1.91;	4250;occ;	83;	0;	32092
7;	648.1;	20-APR-2008	00:54:06;	Dark	;	39.5;	134;	Bet	TrA	;	2.81;	6600;occ;	79;	0;	32092
8;	786.2;	20-APR-2008	00:56:24;	Dark	;	53.0;	4;	Alp1	Cen	;	-0.01;	5800;occ;	106;	0;	32092
9;	905.2;	20-APR-2008	00:58:23;	Dark	;	41.5;	20;	Bet	Cru	;	1.25;	30000;occ;	83;	0;	32092
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11;	1253.7;	20-APR-2008	01:04:12;	Dark	;	38.0;	123;	Iot	Cen	;	2.75;	10200;occ;	76;	0;	32092
12;	1510.4;	20-APR-2008	01:08:29;	Dark	;	39.0;	106;	9Bet	Crv	;	2.65;	5600;occ;	78;	0;	32092
13;	1628.5;	20-APR-2008	01:10:27;	Bright;	;	37.5;	163;	7Del	Crv	;	2.94;	11000;occ;	75;	0;	32092
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15;	2168.4;	20-APR-2008	01:19:26;	Bright;	;	35.0;	62;	94Bet	Leo	;	2.14;	9700;occ;	70;	0;	32092
16;	2292.7;	20-APR-2008	01:21:31;	Bright;	;	35.5;	96;	68Del	Leo	;	2.56;	9300;occ;	71;	0;	32092
17;	2685.3;	20-APR-2008	01:28:03;	Bright;	;	36.0;	174;	52Psi	UMa	;	3.00;	4400;occ;	72;	0;	32092
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19;	2967.9;	20-APR-2008	01:32:46;	Bright;	;	36.0;	36;	50Alp	UMa	;	1.80;	6300;occ;	72;	0;	32092
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22;	3980.3;	20-APR-2008	01:49:38;	Bright;	;	35.0;	68;	18Alp	Cas	;	2.22;	4500;occ;	70;	0;	32092
23;	4510.7;	20-APR-2008	01:58:29;	Bright;	;	37.5;	93;	53Bet	Peg	;	2.52;	3100;occ;	75;	0;	32092
24;	4732.4;	20-APR-2008	02:02:11;	Dark	;	42.0;	90;	54Alp	Peg	;	2.49;	11000;occ;	84;	0;	32092
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2;	-339.7;	20-APR-2008	02:18:14;	Dark	;	59.5;	0;			;	0.00;	0;occ;	119;	0;	32092
3;	-220.6;	20-APR-2008	02:20:13;	Dark	;	39.0;	31;	Alp	Gru	;	1.73;	15200;occ;	78;	0;	32092
4;	-37.0;	20-APR-2008	02:23:17;	Dark	;	38.0;	148;	Alp	Tuc	;	2.88;	4100;occ;	76;	0;	32092
5;	88.7;	20-APR-2008	02:25:23;	Dark	;	40.5;	45;	Alp	Pav	;	1.94;	26000;occ;	81;	0;	32093
6;	520.2;	20-APR-2008	02:32:34;	Dark	;	38.0;	43;	Alp	TrA	;	1.91;	4250;occ;	76;	0;	32093
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11;	1254.0;	20-APR-2008	02:44:48;	Dark	;	38.5;	123;	Iot	Cen	;	2.75;	10200;occ;	77;	0;	32093
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13;	1628.6;	20-APR-2008	02:51:03;	Bright;	;	35.0;	163;	7Del	Crv	;	2.94;	11000;occ;	70;	0;	32093
14;	1879.0;	20-APR-2008	02:55:13;	Bright;	;	37.0;	121;	29Gam	Vir	;	2.74;	7200;occ;	74;	0;	32093
15;	2168.5;	20-APR-2008	03:00:02;	Bright;	;	39.0;	62;	94Bet	Leo	;	2.14;	9700;occ;	78;	0;	32093
16;	2292.9;	20-APR-2008	03:02:07;	Bright;	;	35.0;	96;	68Del	Leo	;	2.56;	9300;occ;	70;	0;	32093
17;	2685.5;	20-APR-2008	03:08:39;	Bright;	;	35.5;	174;	52Psi	UMa	;	3.00;	4400;occ;	71;	0;	32093
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19;	2968.2;	20-APR-2008	03:13:22;	Bright;	;	36.5;	36;	50Alp	UMa	;	1.80;	6300;occ;	73;	0;	32093
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19; 2169.0; 20-APR-2008 06:21:15; Bright; 34.0; 62; 94Bet Leo ; 2.14; 9700;occ; 68; 0;32095
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13; 3892.0; 20-APR-2008 21:55:21; Bright; 33.0; 110; 37Del Cas ; 2.68; 8900;occ; 66; 0;32104
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5; 2819.8; 20-APR-2008 08:12:42; Bright; 36.5; 87; 64Gam UMa ; 2.43; 11000;occ; 73; 0;32096
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17; 6557.9; 20-APR-2008 09:15:00; Dark ; 40.5; 43; Alp TrA ; 1.91; 4250;occ; 81; 0;32096
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23; 7547.4; 20-APR-2008 09:31:29; Dark ; 41.0; 106; 9Bet Crv ; 2.65; 5600;occ; 82; 0;32096
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3; 2093.3; 24-APR-2008 12:36:30; Bright; 36.0; 138; 47Eps Vir ; 2.83; 4700;occ; 72; 0;32156
4; 2180.3; 24-APR-2008 12:37:57; Bright; 35.5; 62; 94Bet Leo ; 2.14; 9700;occ; 71; 0;32156
5; 2312.0; 24-APR-2008 12:40:09; Bright; 35.0; 96; 68Del Leo ; 2.56; 9300;occ; 70; 0;32156
6; 2565.0; 24-APR-2008 12:44:22; Bright; 36.0; 152; 12Alp2CVn ; 2.89; 11000;occ; 72; 0;32156
7; 2700.5; 24-APR-2008 12:46:38; Bright; 33.0; 174; 52Psi UMa ; 3.00; 4400;occ; 66; 0;32156
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9; 2977.8; 24-APR-2008 12:51:15; Bright; 38.0; 36; 50Alp UMa ; 1.80; 6300;occ; 76; 0;32156
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11; 3902.6; 24-APR-2008 13:06:40; Bright; 52.0; 110; 37Del Cas ; 2.68; 8900;occ; 104; 0;32156
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13; 4748.7; 24-APR-2008 13:20:46; Dark ; 34.0; 90; 54Alp Peg ; 2.49; 11000;occ; 68; 0;32156
14; 5504.2; 24-APR-2008 13:33:21; Dark ; 43.5; 18; 24Alp PsA ; 1.17; 9700;occ; 87; 0;32156
15; 5705.3; 24-APR-2008 13:36:42; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;32156
16; 5843.5; 24-APR-2008 13:39:01; Dark ; 40.5; 31; Alp Gru ; 1.73; 15200;occ; 81; 0;32156
17; 6017.0; 24-APR-2008 13:41:54; Dark ; 37.0; 148; Alp Tuc ; 2.88; 4100;occ; 74; 0;32156
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 21; 2823.6; 25-APR-2008 02:13:28; Bright; 34.0; 87; 64Gam UMa ; 2.43; 11000;occ; 68; 0;32164
 22; 2896.5; 25-APR-2008 02:14:41; Bright; 36.5; 82; 48Bet UMa ; 2.37; 10600;occ; 73; 0;32164
 23; 2979.3; 25-APR-2008 02:16:04; Bright; 36.5; 36; 50Alp UMa ; 1.80; 6300;occ; 73; 0;32164
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24; 7287.6; 29-APR-2008 13:05:36; Dark ; 43.5; 54; 5The Cen ; 2.06; 4500;occ; 87; 0;32227
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 5; 2560.0; 29-APR-2008 13:27:25; Bright; 34.5; 152; 12Alp2CVn ; 2.89; 11000;occ; 69; 0;32228
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 7; 2830.7; 29-APR-2008 13:31:55; Bright; 34.0; 87; 64Gam UMa ; 2.43; 11000;occ; 68; 0;32228
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 9; 2992.2; 29-APR-2008 13:34:37; Bright; 38.0; 36; 50Alp UMa ; 1.80; 6300;occ; 76; 0;32228
10; 3444.7; 29-APR-2008 13:42:09; Bright; 33.0; 49; 1Alp UMi ; 1.99; 6300;occ; 66; 0;32228
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12; 3998.8; 29-APR-2008 13:51:23; Bright; 35.5; 68; 18Alp Cas ; 2.22; 4500;occ; 71; 0;32228
13; 5242.3; 29-APR-2008 14:12:07; Dark ; 42.0; 52; 16Bet Cet ; 2.04; 4500;occ; 84; 0;32228
14; 5534.9; 29-APR-2008 14:16:59; Dark ; 42.5; 18; 24Alp PsA ; 1.17; 9700;occ; 85; 0;32228
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16; 5879.9; 29-APR-2008 14:22:44; Dark ; 40.0; 31; Alp Gru ; 1.73; 15200;occ; 80; 0;32228
17; 6040.2; 29-APR-2008 14:25:25; Dark ; 37.0; 148; Alp Tuc ; 2.88; 4100;occ; 74; 0;32228
18; 6207.1; 29-APR-2008 14:28:12; Dark ; 40.5; 45; Alp Pav ; 1.94; 26000;occ; 81; 0;32228
19; 6607.7; 29-APR-2008 14:34:52; Dark ; 40.5; 43; Alp TrA ; 1.91; 4250;occ; 81; 0;32228
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21; 6864.4; 29-APR-2008 14:39:09; Dark ; 45.5; 4; Alp1Cen ;-0.01; 5800;occ; 91; 0;32228
22; 6959.5; 29-APR-2008 14:40:44; Dark ; 38.5; 20; Bet Cru ; 1.25; 30000;occ; 77; 0;32228
23; 7068.8; 29-APR-2008 14:42:33; Dark ; 40.0; 78; Alp Lup ; 2.30; 28000;occ; 80; 0;32228
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 6; 2560.0; 29-APR-2008 15:08:00; Bright; 34.5; 152; 12Alp2CVn ; 2.89; 11000;occ; 69; 0;32229
 7; 2722.5; 29-APR-2008 15:10:43; Bright; 34.0; 174; 52Psi UMa ; 3.00; 4400;occ; 68; 0;32229

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14; 5242.5; 29-APR-2008 15:52:43; Dark ; 43.0; 52; 16Bet Cet ; 2.04; 4500;occ; 86; 0;32229
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16; 5660.2; 29-APR-2008 15:59:41; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;32229
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22; 6864.7; 29-APR-2008 16:19:45; Dark ; 42.5; 4; Alp1Cen ; -0.01; 5800;occ; 85; 0;32229
23; 6959.7; 29-APR-2008 16:21:20; Dark ; 43.5; 20; Bet Cru ; 1.25; 30000;occ; 87; 0;32229
24; 7069.2; 29-APR-2008 16:23:10; Dark ; 36.5; 78; Alp Lup ; 2.30; 28000;occ; 73; 0;32229
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7; 2198.6; 29-APR-2008 16:42:35; Bright; 35.0; 62; 94Bet Leo ; 2.14; 9700;occ; 70; 0;32230
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6; 1894.6; 29-APR-2008 18:18:07; Bright; 35.5; 121; 29Gam Vir ; 2.74; 7200;occ; 71; 0;32231
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23; 7072.5; 30-APR-2008 09:09:12; Dark ; 37.0; 78; Alp Lup ; 2.30; 28000;occ; 74; 0;32239
24; 7165.1; 30-APR-2008 09:10:45; Dark ; 39.5; 81; Eta Cen ; 2.36; 28000;occ; 79; 0;32239
25; 7290.7; 30-APR-2008 09:12:51; Dark ; 45.0; 54; 5The Cen ; 2.06; 4500;occ; 90; 0;32239
26; 7548.2; 30-APR-2008 09:17:08; Dark ; 46.5; 169; 46Gam Hya ; 2.99; 4700;occ; 93; 0;32239
27; 7747.7; 30-APR-2008 09:20:28; Bright; 38.0; 15; 67Alp Vir ; 0.98; 28000;occ; 76; 0;32239
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5; 2559.8; 30-APR-2008 09:34:36; Bright; 34.5; 152; 12Alp2CVn ; 2.89; 11000;occ; 69; 0;32240
6; 2726.4; 30-APR-2008 09:37:22; Bright; 38.0; 174; 52Psi UMa ; 3.00; 4400;occ; 76; 0;32240
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9; 2995.1; 30-APR-2008 09:41:51; Bright; 34.0; 36; 50Alp UMa ; 1.80; 6300;occ; 68; 0;32240
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12; 4000.0; 30-APR-2008 09:58:36; Bright; 52.0; 68; 18Alp Cas ; 2.22; 4500;occ; 104; 0;32240
13; 5243.4; 30-APR-2008 10:19:19; Dark ; 41.0; 52; 16Bet Cet ; 2.04; 4500;occ; 82; 0;32240
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16; 5886.3; 30-APR-2008 10:30:02; Dark ; 40.5; 31; Alp Gru ; 1.73; 15200;occ; 81; 0;32240
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22; 6960.8; 30-APR-2008 10:47:57; Dark ; 39.5; 20; Bet Cru ; 1.25; 30000;occ; 79; 0;32240
23; 7072.7; 30-APR-2008 10:49:49; Dark ; 38.5; 78; Alp Lup ; 2.30; 28000;occ; 77; 0;32240
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25; 7290.9; 30-APR-2008 10:53:27; Dark ; 43.0; 54; 5The Cen ; 2.06; 4500;occ; 86; 0;32240
26; 7548.3; 30-APR-2008 10:57:44; Dark ; 40.5; 169; 46Gam Hya ; 2.99; 4700;occ; 81; 0;32240
27; 7747.8; 30-APR-2008 11:01:04; Bright; 19.0; 15; 67Alp Vir ; 0.98; 28000;occ; 38; 0;32240
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4; 2201.8; 30-APR-2008 11:09:14; Bright; 36.5; 62; 94Bet Leo ; 2.14; 9700;occ; 73; 0;32241
5; 2559.7; 30-APR-2008 11:15:12; Bright; 36.5; 152; 12Alp2CVn ; 2.89; 11000;occ; 73; 0;32241
6; 2726.6; 30-APR-2008 11:17:58; Bright; 39.0; 174; 52Psi UMa ; 3.00; 4400;occ; 78; 0;32241
7; 2832.3; 30-APR-2008 11:19:44; Bright; 34.5; 87; 64Gam UMa ; 2.43; 11000;occ; 69; 0;32241
8; 2916.2; 30-APR-2008 11:21:08; Bright; 34.5; 82; 48Bet UMa ; 2.37; 10600;occ; 69; 0;32241
9; 2995.2; 30-APR-2008 11:22:27; Bright; 37.5; 36; 50Alp UMa ; 1.80; 6300;occ; 75; 0;32241
10; 3444.8; 30-APR-2008 11:29:57; Bright; 32.5; 49; 1Alp UMi ; 1.99; 6300;occ; 65; 0;32241
11; 3917.6; 30-APR-2008 11:37:49; Bright; 52.0; 110; 37Del Cas ; 2.68; 8900;occ; 104; 0;32241
12; 4000.2; 30-APR-2008 11:39:12; Bright; 33.0; 68; 18Alp Cas ; 2.22; 4500;occ; 66; 0;32241
13; 5243.5; 30-APR-2008 11:59:55; Dark ; 42.0; 52; 16Bet Cet ; 2.04; 4500;occ; 84; 0;32241
14; 5541.1; 30-APR-2008 12:04:53; Dark ; 46.5; 18; 24Alp PsA ; 1.17; 9700;occ; 93; 0;32241

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 17; 6044.7; 30-APR-2008 12:13:16; Dark ; 37.5; 148; Alp Tuc ; 2.88; 4100;occ; 75; 0;32241
 18; 6215.4; 30-APR-2008 12:16:07; Dark ; 29.0; 45; Alp Pav ; 1.94; 26000;occ; 58; 0;32241
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 25; 7291.1; 30-APR-2008 12:34:03; Dark ; 44.0; 54; 5The Cen ; 2.06; 4500;occ; 88; 0;32241
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 5; 2559.9; 30-APR-2008 12:55:47; Bright; 34.0; 152; 12Alp2CVn ; 2.89; 11000;occ; 68; 0;32242
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 7; 2832.6; 30-APR-2008 13:00:20; Bright; 35.0; 87; 64Gam UMa ; 2.43; 11000;occ; 70; 0;32242
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 11; 3917.9; 30-APR-2008 13:18:25; Bright; 33.5; 110; 37Del Cas ; 2.68; 8900;occ; 67; 0;32242
 12; 4000.3; 30-APR-2008 13:19:48; Bright; 49.0; 68; 18Alp Cas ; 2.22; 4500;occ; 98; 0;32242
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 15; 5667.9; 30-APR-2008 13:47:35; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;32242
 16; 5887.5; 30-APR-2008 13:51:15; Dark ; 40.5; 31; Alp Gru ; 1.73; 15200;occ; 81; 0;32242
 17; 6045.1; 30-APR-2008 13:53:53; Dark ; 37.5; 148; Alp Tuc ; 2.88; 4100;occ; 75; 0;32242
 18; 6216.2; 30-APR-2008 13:56:44; Dark ; 29.0; 45; Alp Pav ; 1.94; 26000;occ; 58; 0;32242
 19; 6612.8; 30-APR-2008 14:03:20; Dark ; 39.5; 43; Alp TrA ; 1.91; 4250;occ; 79; 0;32242
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 23; 7073.3; 30-APR-2008 14:11:01; Dark ; 38.0; 78; Alp Lup ; 2.30; 28000;occ; 76; 0;32242
 24; 7166.0; 30-APR-2008 14:12:34; Dark ; 39.0; 81; Eta Cen ; 2.36; 28000;occ; 78; 0;32242
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 7; 2727.4; 30-APR-2008 14:39:11; Bright; 36.5; 174; 52Psi UMa ; 3.00; 4400;occ; 73; 0;32243
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 11; 3444.9; 30-APR-2008 14:51:08; Bright; 33.5; 49; 1Alp UMi ; 1.99; 6300;occ; 67; 0;32243
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 18; 6045.5; 30-APR-2008 15:34:29; Dark ; 45.0; 148; Alp Tuc ; 2.88; 4100;occ; 90; 0;32243
 19; 6216.9; 30-APR-2008 15:37:20; Dark ; 25.0; 45; Alp Pav ; 1.94; 26000;occ; 50; 0;32243
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 22; 6868.5; 30-APR-2008 15:48:12; Dark ; 48.5; 4; Alp1Cen ;-0.01; 5800;occ; 97; 0;32243
 23; 6961.1; 30-APR-2008 15:49:45; Dark ; 46.0; 20; Bet Cru ; 1.25; 30000;occ; 92; 0;32243
 24; 7073.6; 30-APR-2008 15:51:37; Dark ; 40.5; 78; Alp Lup ; 2.30; 28000;occ; 81; 0;32243
 25; 7166.4; 30-APR-2008 15:53:10; Dark ; 38.0; 81; Eta Cen ; 2.36; 28000;occ; 76; 0;32243
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19; 6045.8; 30-APR-2008 17:15:05; Dark ; 43.5; 148; Alp Tuc ; 2.88; 4100;occ; 87; 0;32244
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21; 6613.6; 30-APR-2008 17:24:33; Dark ; 38.5; 43; Alp TrA ; 1.91; 4250;occ; 77; 0;32244
22; 6745.3; 30-APR-2008 17:26:45; Dark ; 37.0; 134; Bet TrA ; 2.81; 6600;occ; 74; 0;32244
23; 6868.8; 30-APR-2008 17:28:48; Dark ; 47.0; 4; Alp1Cen ; -0.01; 5800;occ; 94; 0;32244
24; 6961.2; 30-APR-2008 17:30:21; Dark ; 42.5; 20; Bet Cru ; 1.25; 30000;occ; 85; 0;32244
25; 7074.1; 30-APR-2008 17:32:14; Dark ; 39.5; 78; Alp Lup ; 2.30; 28000;occ; 79; 0;32244
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3; 1256.0; 30-APR-2008 17:35:52; Dark ; 44.5; 54; 5The Cen ; 2.06; 4500;occ; 89; 0;32245
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22; 6613.9; 30-APR-2008 19:05:09; Dark ; 40.0; 43; Alp TrA ; 1.91; 4250;occ; 80; 0;32245
23; 6745.7; 30-APR-2008 19:07:21; Dark ; 38.0; 134; Bet TrA ; 2.81; 6600;occ; 76; 0;32245
24; 6869.1; 30-APR-2008 19:09:25; Dark ; 49.5; 4; Alp1Cen ; -0.01; 5800;occ; 99; 0;32245
25; 6961.3; 30-APR-2008 19:10:57; Dark ; 40.5; 20; Bet Cru ; 1.25; 30000;occ; 81; 0;32245
/nas3/ENVISAT/GOMOS/GOM_NL__0P/GOM_NL__0PNPDK20080430_191057_000060742068_00128_32246_0831.N1
1; 925.3; 30-APR-2008 19:10:57; Dark ; 41.0; 20; Bet Cru ; 1.25; 30000;occ; 82; 0;32246
2; 1038.3; 30-APR-2008 19:12:50; Dark ; 38.5; 78; Alp Lup ; 2.30; 28000;occ; 77; 0;32246
3; 1130.8; 30-APR-2008 19:14:22; Dark ; 39.0; 81; Eta Cen ; 2.36; 28000;occ; 78; 0;32246
4; 1256.2; 30-APR-2008 19:16:28; Dark ; 40.5; 54; 5The Cen ; 2.06; 4500;occ; 81; 0;32246
5; 1513.1; 30-APR-2008 19:20:45; Dark ; 51.0; 169; 46Gam Hya ; 2.99; 4700;occ; 102; 0;32246
6; 1712.4; 30-APR-2008 19:24:04; Bright; 38.0; 15; 67Alp Vir ; 0.98; 28000;occ; 76; 0;32246
7; 1896.8; 30-APR-2008 19:27:08; Bright; 35.5; 121; 29Gam Vir ; 2.74; 7200;occ; 71; 0;32246
8; 2095.8; 30-APR-2008 19:30:27; Bright; 35.5; 138; 47Eps Vir ; 2.83; 4700;occ; 71; 0;32246
9; 2203.2; 30-APR-2008 19:32:15; Bright; 35.5; 62; 94Bet Leo ; 2.14; 9700;occ; 71; 0;32246
10; 2559.7; 30-APR-2008 19:38:11; Bright; 52.0; 152; 12Alp2CVn ; 2.89; 11000;occ; 104; 0;32246
11; 2728.5; 30-APR-2008 19:41:00; Bright; 35.5; 174; 52Psi UMa ; 3.00; 4400;occ; 71; 0;32246
12; 2833.1; 30-APR-2008 19:42:45; Bright; 34.5; 87; 64Gam UMa ; 2.43; 11000;occ; 69; 0;32246
13; 2917.6; 30-APR-2008 19:44:09; Bright; 35.0; 82; 48Bet UMa ; 2.37; 10600;occ; 70; 0;32246
14; 2996.4; 30-APR-2008 19:45:28; Bright; 37.0; 36; 50Alp UMa ; 1.80; 6300;occ; 74; 0;32246
15; 3444.9; 30-APR-2008 19:52:56; Bright; 36.0; 49; 1Alp UMi ; 1.99; 6300;occ; 72; 0;32246
16; 3918.3; 30-APR-2008 20:00:50; Bright; 33.0; 110; 37Del Cas ; 2.68; 8900;occ; 66; 0;32246
17; 4000.7; 30-APR-2008 20:02:12; Bright; 35.0; 68; 18Alp Cas ; 2.22; 4500;occ; 70; 0;32246

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