

GOMOS Daily Report 11-NOV-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	13NOV2008 05:41:15
Data source version	GOMOS/5.00
Start time of products	11NOV2008 00:04:31
Stop time of products	11NOV2008 04:26:15
Store outputs in DB	Yes
Nb of level 1b prods	50
Nb of prods with errors	0

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

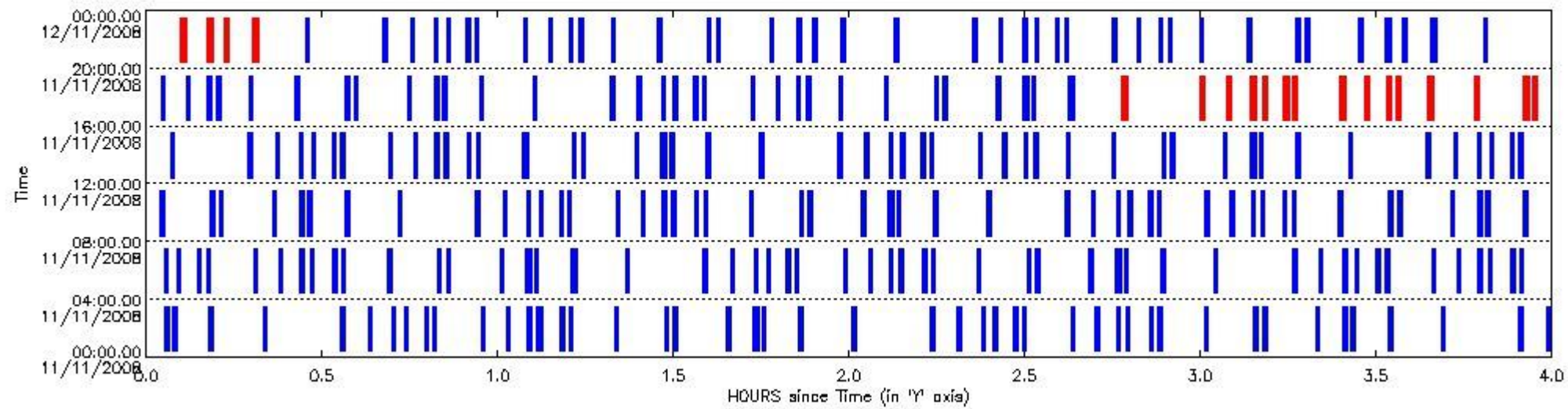
2.1 Level 0 products arrived in PCF (see template [here](#))

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

Red segments are missing products.

Blue segments are available products.

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



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

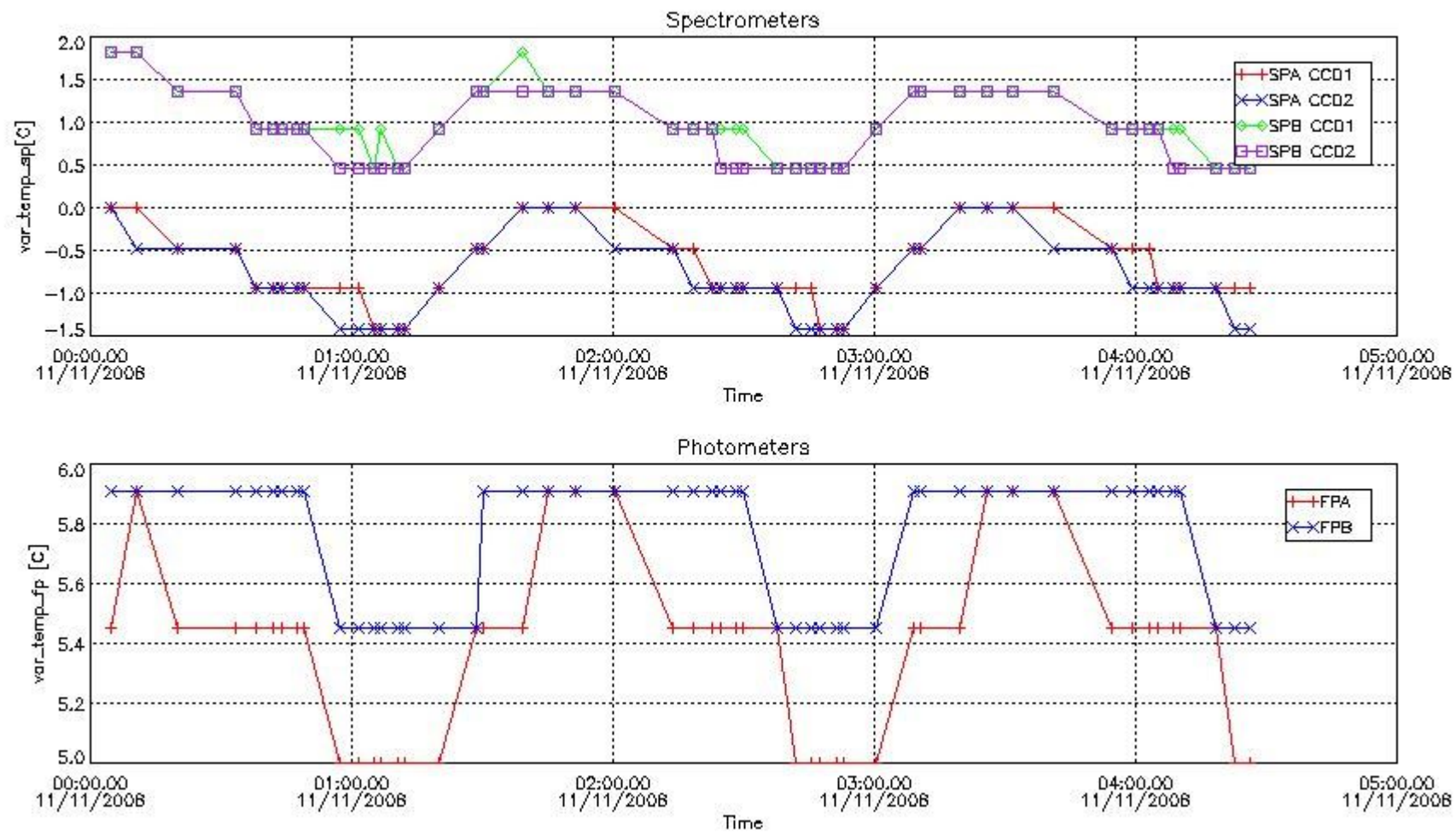
UTC start time	Star name	Star ID	Orbit
11-NOV-2008 18:46:36	The1Eri	157	35037
11-NOV-2008 18:59:47	92AlpCet	94	35037
11-NOV-2008 19:04:30	6BetAri	105	35037
11-NOV-2008 19:08:35	4BetTri	173	35037
11-NOV-2008 19:10:39	57Gam1And	73	35037
11-NOV-2008 19:14:04	33AlpPer	35	35037
11-NOV-2008 19:15:38	37DelCas	110	35037
11-NOV-2008 19:23:50	1AlpUMi	49	35037
11-NOV-2008 19:28:05	7BetUMi	60	35037
11-NOV-2008 19:31:39	50AlpUMa	36	35037
11-NOV-2008 19:33:17	48BetUMa	82	35037
11-NOV-2008 19:38:51	12Alp2CVn	152	35037
11-NOV-2008 19:46:39	94BetLeo	62	35037
11-NOV-2008 19:55:12	4GamCrv	100	35037
11-NOV-2008 19:56:42	2EpsCrv	171	35037

11-NOV-2008 20:05:49	MuVel	113	35037
11-NOV-2008 20:10:21	DSA1030	0	35038
11-NOV-2008 20:13:13	Gam2Vel	34	35038
11-NOV-2008 20:18:05	AlpCar	2	35038

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_1PNPDE20081111_000431_000000392073_00403_35026_0539.N1	11-NOV-2008 00:04:31	Dark	39.000	29	Bet Car	1.6720	10200.	78	35026	No
2	GOM_TRA_1PNPDE20081111_001044_000000492073_00403_35026_0540.N1	11-NOV-2008 00:10:44	Dark	49.000	2	Alp Car	-0.73600	7000.0	98	35026	No
3	GOM_TRA_1PNPDE20081111_001955_000000392073_00403_35026_0541.N1	11-NOV-2008 00:19:55	Straylight	38.500	157	The1Eri	2.9060	9300.0	77	35026	No
4	GOM_TRA_1PNPDE20081111_003311_000000512073_00403_35026_0542.N1	11-NOV-2008 00:33:11	Twi_and_stray	51.000	94	92Alp Cet	2.5260	3100.0	102	35026	No
5	GOM_TRA_1PNPDE20081111_003753_000000382073_00403_35026_0543.N1	11-NOV-2008 00:37:53	Bright	38.000	105	6Bet Ari	2.6450	8900.0	76	35026	No
6	GOM_TRA_1PNPDE20081111_004159_000000372073_00403_35026_0544.N1	11-NOV-2008 00:41:59	Bright	36.500	173	4Bet Tri	3.0040	8900.0	73	35026	No
7	GOM_TRA_1PNPDE20081111_004403_000000392073_00403_35026_0545.N1	11-NOV-2008 00:44:03	Bright	39.000	73	57Gam1And	2.2600	13100.	78	35026	No
8	GOM_TRA_1PNPDE20081111_004732_000000412073_00403_35026_0546.N1	11-NOV-2008 00:47:32	Bright	40.500	35	33Alp Per	1.7950	6250.0	81	35026	No
9	GOM_TRA_1PNPDE20081111_004900_000000332073_00403_35026_0547.N1	11-NOV-2008 00:49:00	Bright	33.000	110	37Del Cas	2.6780	8900.0	66	35026	No
10	GOM_TRA_1PNPDE20081111_005713_000000352073_00403_35026_0548.N1	11-NOV-2008 00:57:13	Bright	35.000	49	1Alp UMi	1.9900	6300.0	70	35026	No
11	GOM_TRA_1PNPDE20081111_010127_000000362073_00403_35026_0549.N1	11-NOV-2008 01:01:27	Bright	35.500	60	7Bet UMi	2.0810	3950.0	71	35026	No
12	GOM_TRA_1PNPDE20081111_010504_000000402073_00403_35026_0550.N1	11-NOV-2008 01:05:04	Bright	40.000	36	50Alp UMa	1.8000	6300.0	80	35026	No
13	GOM_TRA_1PNPDE20081111_010642_000000592073_00403_35026_0551.N1	11-NOV-2008 01:06:42	Bright	59.000	82	48Bet UMa	2.3650	10600.	118	35026	No
14	GOM_TRA_1PNPDE20081111_011037_000000422073_00403_35026_0552.N1	11-NOV-2008 01:10:37	Bright	41.500	174	52Psi UMa	3.0040	4400.0	83	35026	No
15	GOM_TRA_1PNPDE20081111_011212_000000352073_00403_35026_0553.N1	11-NOV-2008 01:12:12	Bright	34.500	152	12Alp2CVn	2.8900	11000.	69	35026	No
16	GOM_TRA_1PNPDE20081111_011958_000000382073_00403_35026_0554.N1	11-NOV-2008 01:19:58	Bright	38.000	62	94Bet Leo	2.1360	9700.0	76	35026	No
17	GOM_TRA_1PNPDE20081111_012830_000000412073_00403_35026_0668.N1	11-NOV-2008 01:28:30	Twi_and_stray	40.500	100	4Gam Crv	2.5800	13100.	81	35026	No
18	GOM_TRA_1PNPDE20081111_013000_000000412073_00403_35026_0669.N1	11-NOV-2008 01:30:00	Twilight	41.000	171	2Eps Crv	3.0010	4250.0	82	35026	No
19	GOM_TRA_1PNPDE20081111_013906_000000452073_00403_35026_0670.N1	11-NOV-2008 01:39:06	Dark	44.500	113	Mu Vel	2.6920	5000.0	89	35026	No
20	GOM_TRA_1PNPDE20081111_014507_000000382073_00404_35027_0671.N1	11-NOV-2008 01:45:07	Dark	37.500	29	Bet Car	1.6720	10200.	75	35027	No
21	GOM_TRA_1PNPDE20081111_015120_000000512073_00404_35027_0672.N1	11-NOV-2008 01:51:20	Dark	51.000	2	Alp Car	-0.73600	7000.0	102	35027	No
22	GOM_TRA_1PNPDE20081111_020032_000000392073_00404_35027_0673.N1	11-NOV-2008 02:00:32	Straylight	39.000	157	The1Eri	2.9060	9300.0	78	35027	No
23	GOM_TRA_1PNPDE20081111_021347_000000512073_00404_35027_0674.N1	11-NOV-2008 02:13:47	Twi_and_stray	50.500	94	92Alp Cet	2.5260	3100.0	101	35027	No
24	GOM_TRA_1PNPDE20081111_021829_000000382073_00404_35027_0675.N1	11-NOV-2008 02:18:29	Bright	37.500	105	6Bet Ari	2.6450	8900.0	75	35027	No
25	GOM_TRA_1PNPDE20081111_022235_000000362073_00404_35027_0676.N1	11-NOV-2008 02:22:35	Bright	36.000	173	4Bet Tri	3.0040	8900.0	72	35027	No
26	GOM_TRA_1PNPDE20081111_022439_000000372073_00404_35027_0677.N1	11-NOV-2008 02:24:39	Bright	37.000	73	57Gam1And	2.2600	13100.	74	35027	No
27	GOM_TRA_1PNPDE20081111_022807_000000412073_00404_35027_0678.N1	11-NOV-2008 02:28:07	Bright	40.500	35	33Alp Per	1.7950	6250.0	81	35027	No
28	GOM_TRA_1PNPDE20081111_022936_000000352073_00404_35027_0679.N1	11-NOV-2008 02:29:36	Bright	34.500	110	37Del Cas	2.6780	8900.0	69	35027	No
29	GOM_TRA_1PNPDE20081111_023749_000000322073_00404_35027_0680.N1	11-NOV-2008 02:37:49	Bright	32.000	49	1Alp UMi	1.9900	6300.0	64	35027	No
30	GOM_TRA_1PNPDE20081111_024203_000000362073_00404_35027_0681.N1	11-NOV-2008 02:42:03	Bright	36.000	60	7Bet UMi	2.0810	3950.0	72	35027	No
31	GOM_TRA_1PNPDE20081111_024539_000000402073_00404_35027_0763.N1	11-NOV-2008 02:45:39	Bright	39.500	36	50Alp UMa	1.8000	6300.0	79	35027	No
32	GOM_TRA_1PNPDE20081111_024717_000000402073_00404_35027_0764.N1	11-NOV-2008 02:47:17	Bright	40.000	82	48Bet UMa	2.3650	10600.	80	35027	No
33	GOM_TRA_1PNPDE20081111_025113_000000422073_00404_35027_0765.N1	11-NOV-2008 02:51:13	Bright	41.500	174	52Psi UMa	3.0040	4400.0	83	35027	No
34	GOM_TRA_1PNPDE20081111_025248_000000352073_00404_35027_0766.N1	11-NOV-2008 02:52:48	Bright	34.500	152	12Alp2CVn	2.8900	11000.	69	35027	No
35	GOM_TRA_1PNPDE20081111_030035_000000392073_00404_35027_0767.N1	11-NOV-2008 03:00:35	Bright	39.000	62	94Bet Leo	2.1360	9700.0	78	35027	No
36	GOM_TRA_1PNPDE20081111_030906_000000412073_00404_35027_0768.N1	11-NOV-2008 03:09:06	Twi_and_stray	41.000	100	4Gam Crv	2.5800	13100.	82	35027	No
37	GOM_TRA_1PNPDE20081111_031036_000000422073_00404_35027_0769.N1	11-NOV-2008 03:10:36	Twilight	42.000	171	2Eps Crv	3.0010	4250.0	84	35027	No
38	GOM_TRA_1PNPDE20081111_031942_000000392073_00404_35027_0770.N1	11-NOV-2008 03:19:42	Dark	38.500	113	Mu Vel	2.6920	5000.0	77	35027	No
39	GOM_TRA_1PNPDE20081111_032544_000000392073_00405_35028_0771.N1	11-NOV-2008 03:25:44	Dark	38.500	29	Bet Car	1.6720	10200.	77	35028	No
40	GOM_TRA_1PNPDE20081111_033157_000000622073_00405_35028_0772.N1	11-NOV-2008 03:31:57	Dark	61.500	2	Alp Car	-0.73600	7000.0	123	35028	No
41	GOM_TRA_1PNPDE20081111_034108_000000402073_00405_35028_0773.N1	11-NOV-2008 03:41:08	Straylight	39.500	157	The1Eri	2.9060	9300.0	79	35028	No
42	GOM_TRA_1PNPDE20081111_035423_000000512073_00405_35028_0774.N1	11-NOV-2008 03:54:23	Twi_and_stray	50.500	94	92Alp Cet	2.5260	3100.0	101	35028	No
43	GOM_TRA_1PNPDE20081111_035905_000000362073_00405_35028_0775.N1	11-NOV-2008 03:59:05	Bright	36.000	105	6Bet Ari	2.6450	8900.0	72	35028	No
44	GOM_TRA_1PNPDE20081111_040311_000000362073_00405_35028_0776.N1	11-NOV-2008 04:03:11	Bright	35.500	173	4Bet Tri	3.0040	8900.0	71	35028	No
45	GOM_TRA_1PNPDE20081111_040515_000000372073_00405_35028_0777.N1	11-NOV-2008 04:05:15	Bright	37.000	73	57Gam1And	2.2600	13100.	74	35028	No
46	GOM_TRA_1PNPDE20081111_040843_000000412073_00405_35028_0778.N1	11-NOV-2008 04:08:43	Bright	41.000	35	33Alp Per	1.7950	6250.0	82	35028	No
47	GOM_TRA_1PNPDE20081111_041012_000000352073_00405_35028_0779.N1	11-NOV-2008 04:10:12	Bright	34.500	110	37Del Cas	2.6780	8900.0	69	35028	No
48	GOM_TRA_1PNPDE20081111_041825_000000342073_00405_35028_0780.N1	11-NOV-2008 04:18:25	Bright	34.000	49	1Alp UMi	1.9900	6300.0	68	35028	No
49	GOM_TRA_1PNPDE20081111_042239_000000372073_00405_35028_0887.N1	11-NOV-2008 04:22:39	Bright	36.500	60	7Bet UMi	2.0810	3950.0	73	35028	No
50	GOM_TRA_1PNPDE20081111_042615_000000412073_00405_35028_0888.N1	11-NOV-2008 04:26:15	Bright	40.500	36	50Alp UMa	1.8000	6300.0	81	35028	No

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



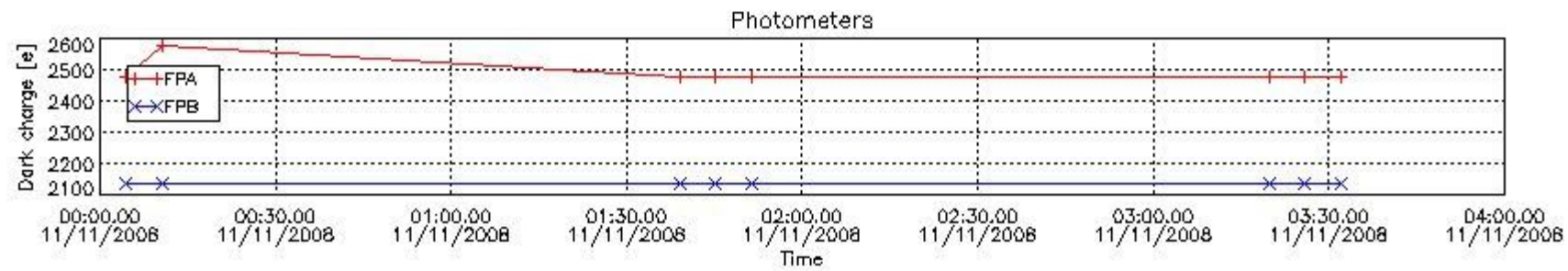
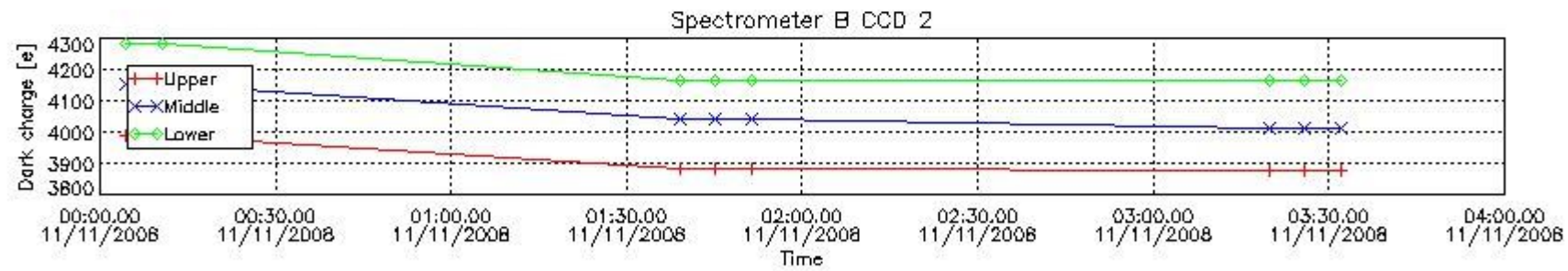
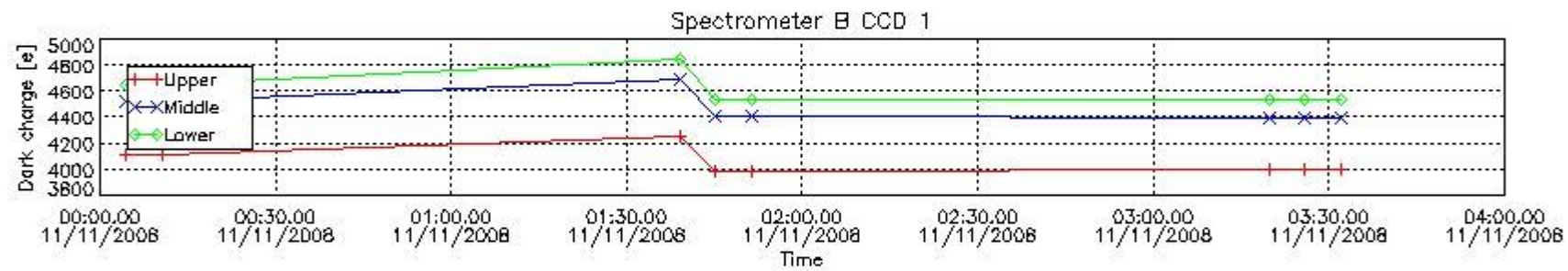
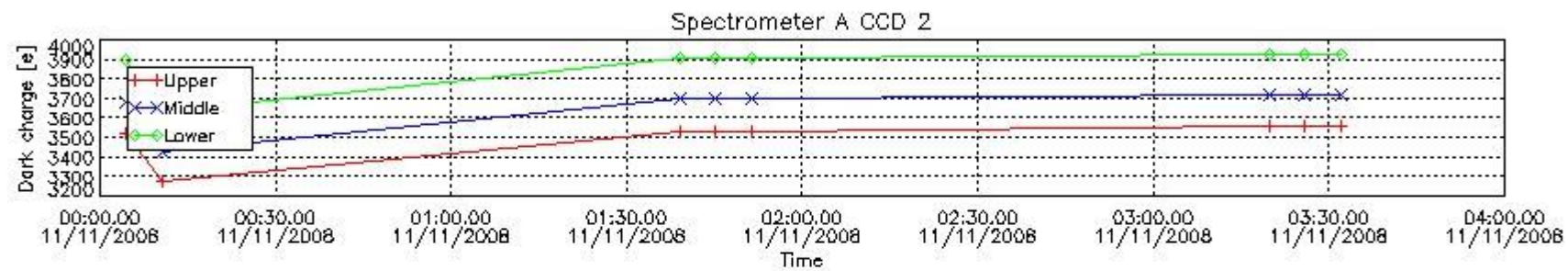
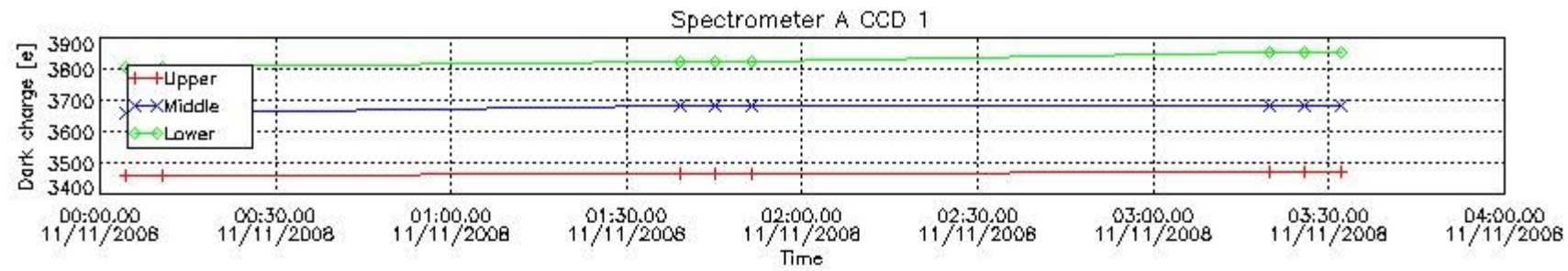
4. Overview of dark signal processing per product

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

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

4.1 All products used the DSA observation for the DC computation

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



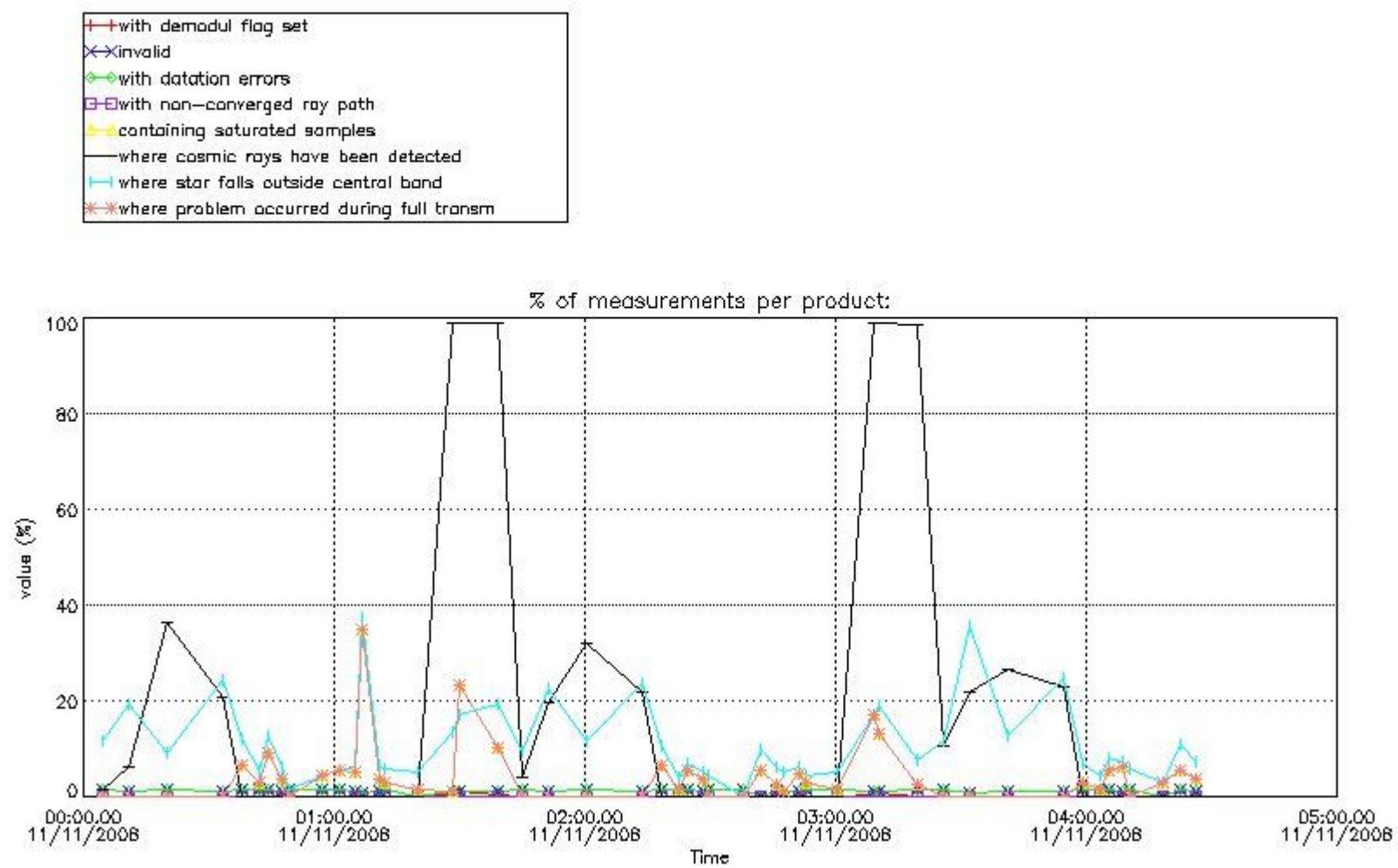
5. Demodulation flag and quality information monitoring

In this section it is presented the modulation information extracted from the pcd (product confidence data) at measurement level and information extracted from the Quality Summary dataset. Only products without errors (error flag in the MPH set to "0") are used.

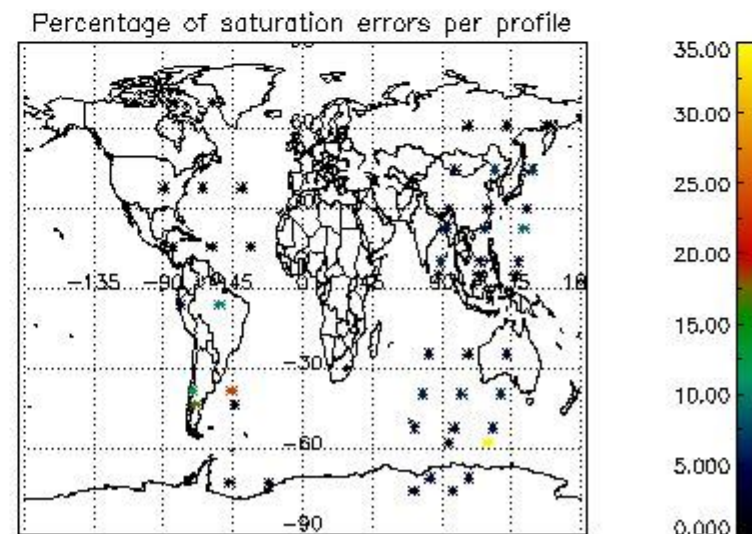
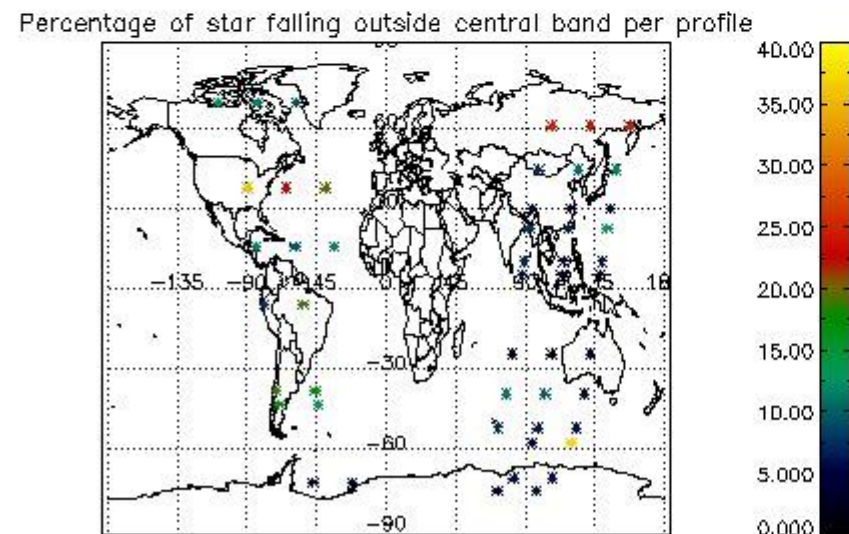
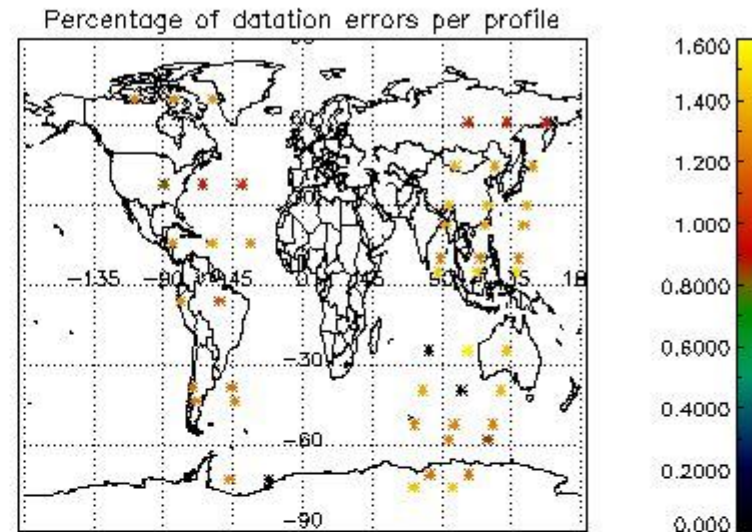
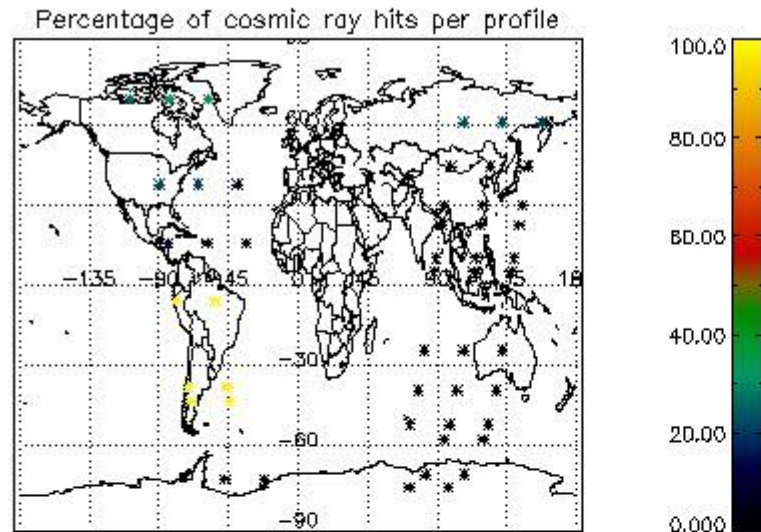
5.1 Percentage of products during reporting period with:

At least one measurement with demodulation flag set:	22.0000 %
Reference spectrum computed from DB:	0.00000 %
Reference spectrum with small number of measurements:	0.00000 %
SATU data not used:	0.00000 %

5.2 Plot quality information per product (time dependant)



5.3 Plot quality information per product (world map)



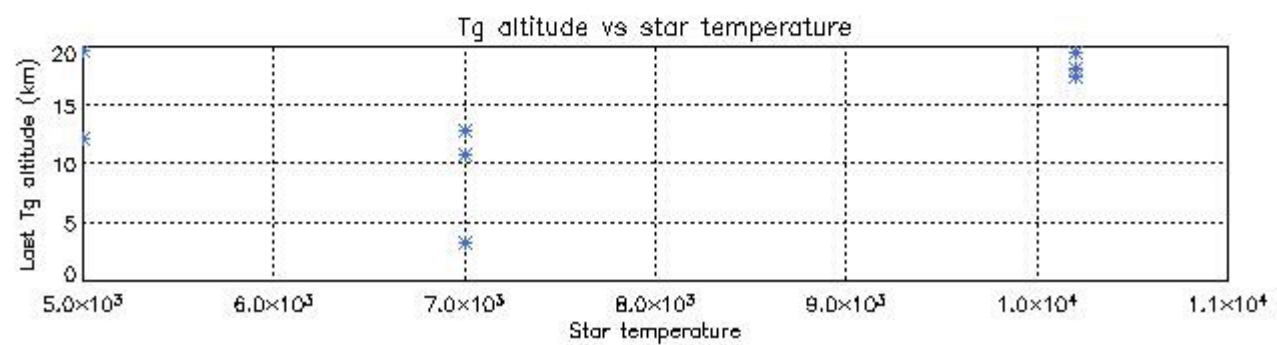
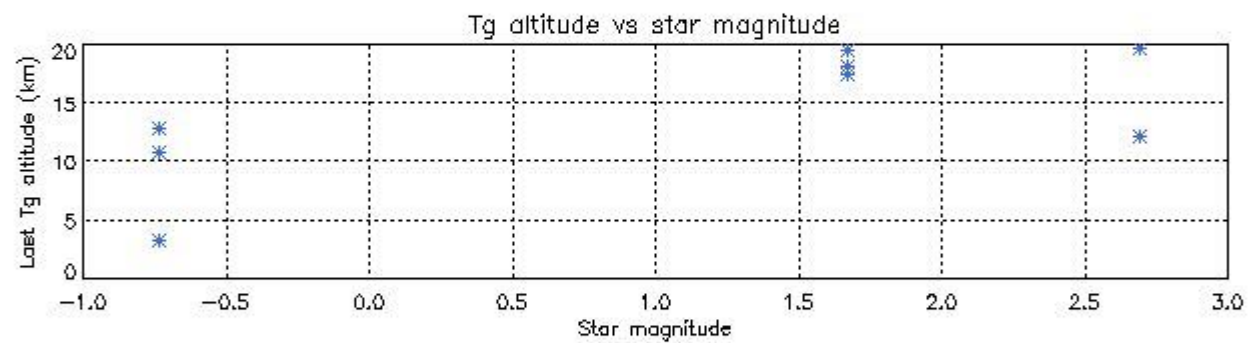
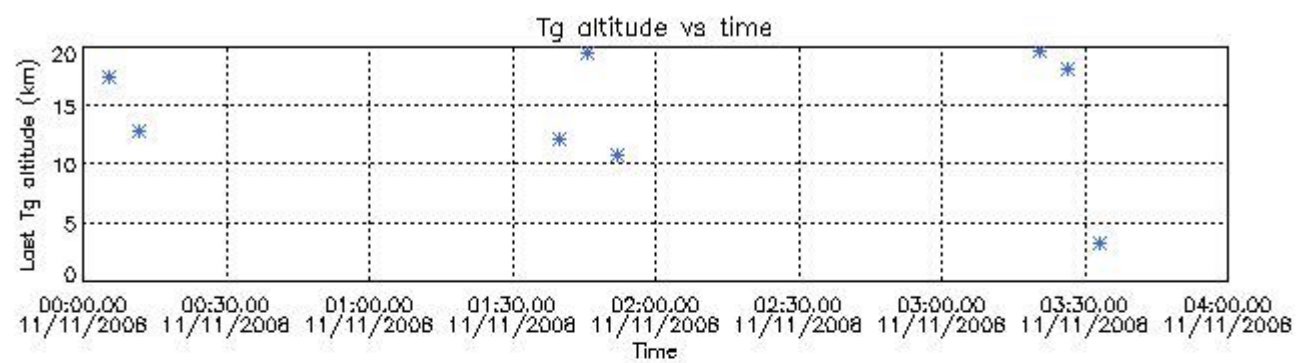
6. Statistics and plot of tangent altitude of the last measurement (DARK & BRIGHT products without errors)

6.1 Statistics on tangent altitude lost:

Statistics	DARK	BRIGHT	TWILIGHT
Mean:	14.207	21.053	13.345
St. deviation:	5.6632	4.1032	0.75194
Maximum:	19.738	30.212	13.877
Minimum:	3.1934	3.6833	12.813
Number of data:	8.0000	32.000	2.0000

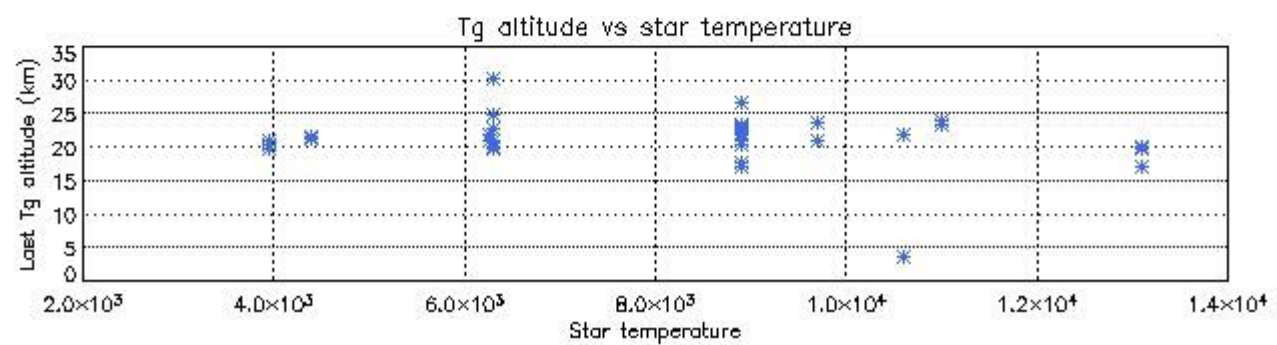
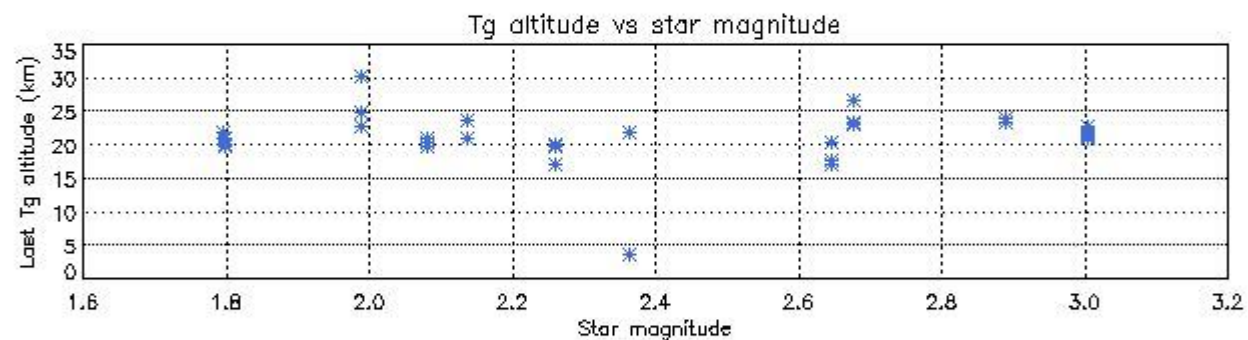
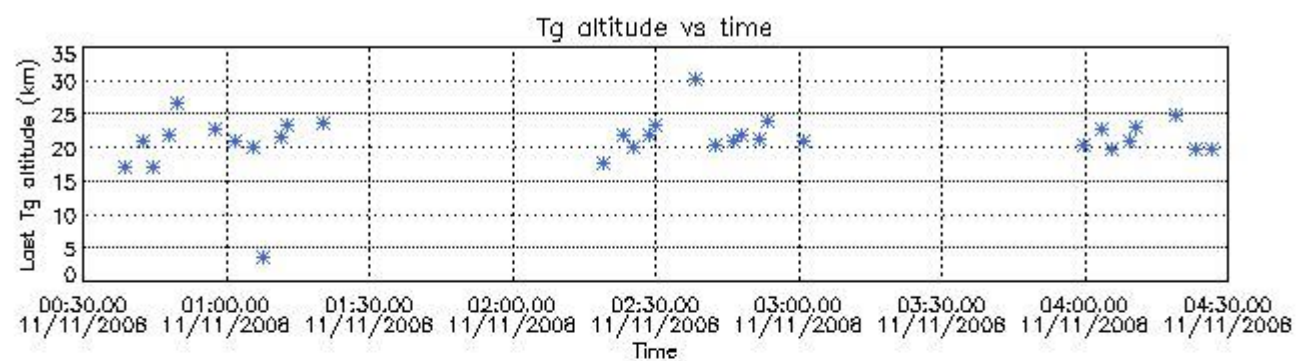
6.2 Plot for DARK limb products

Tangent altitude at which the star is lost



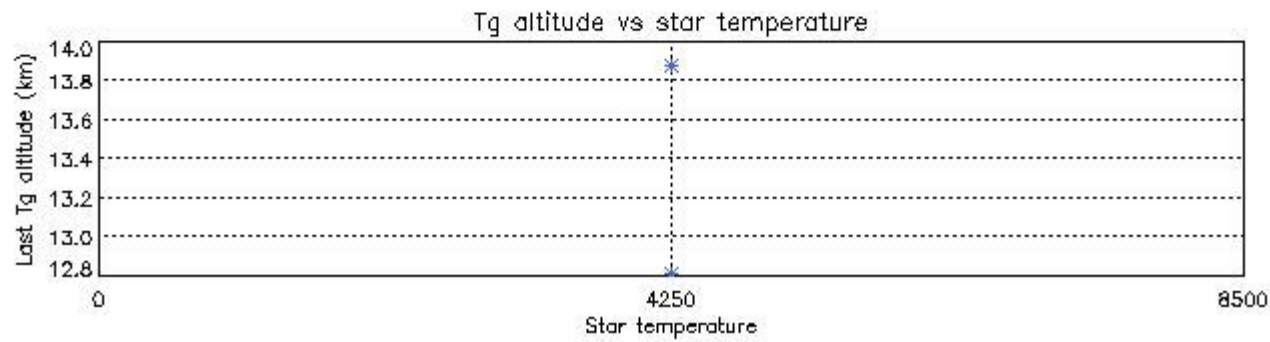
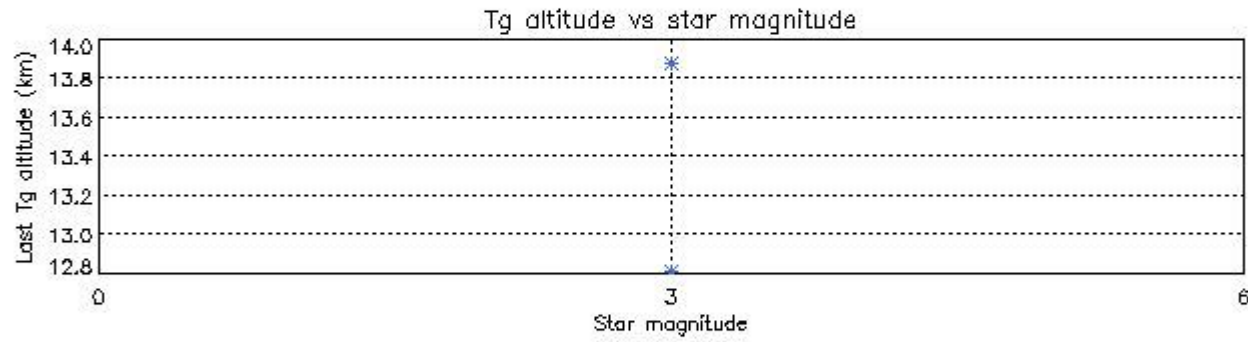
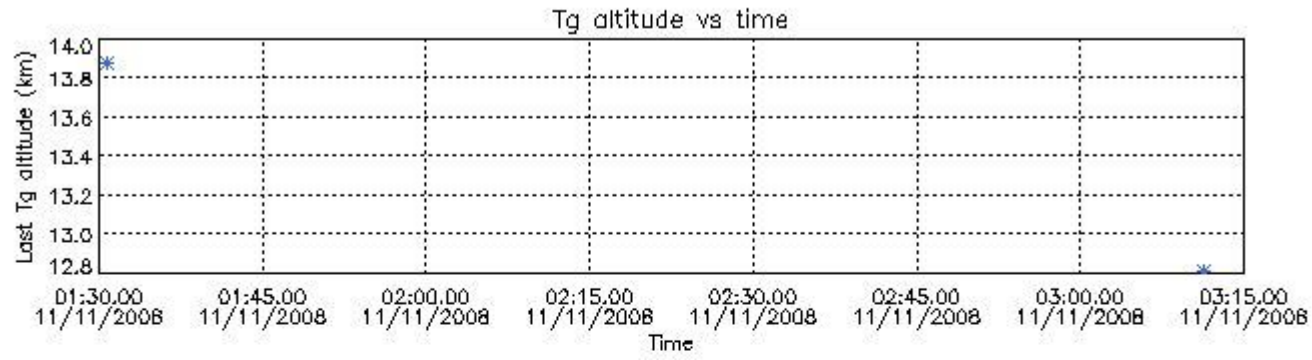
6.3 Plot for BRIGHT limb products

Tangent altitude at which the star is lost



6.3 Plot for TWILIGHT limb products

Tangent altitude at which the star is lost

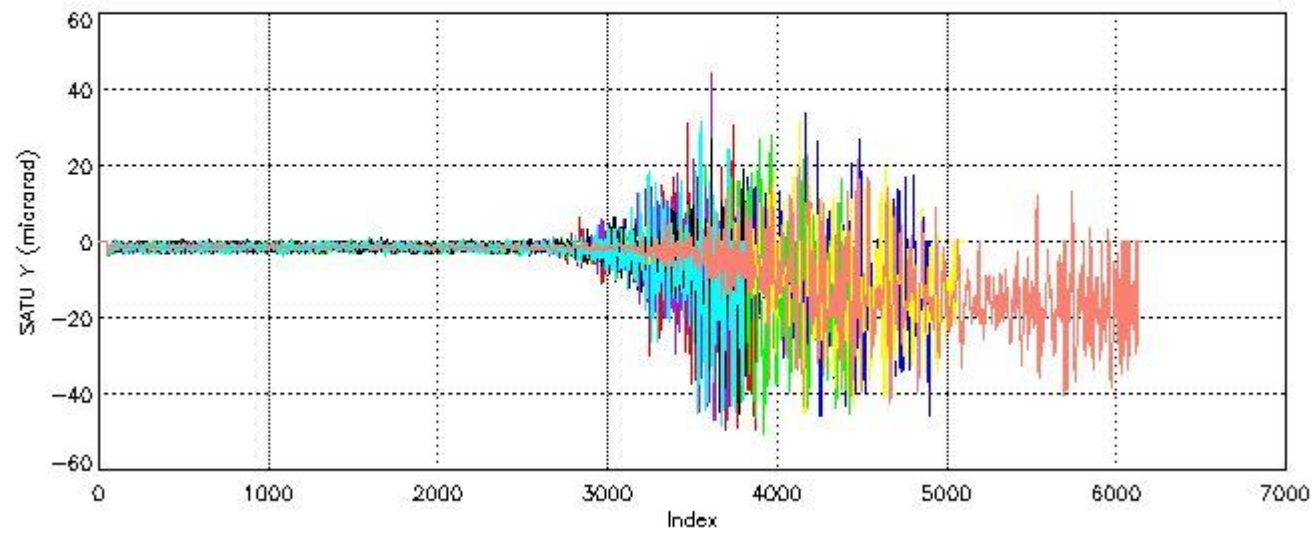
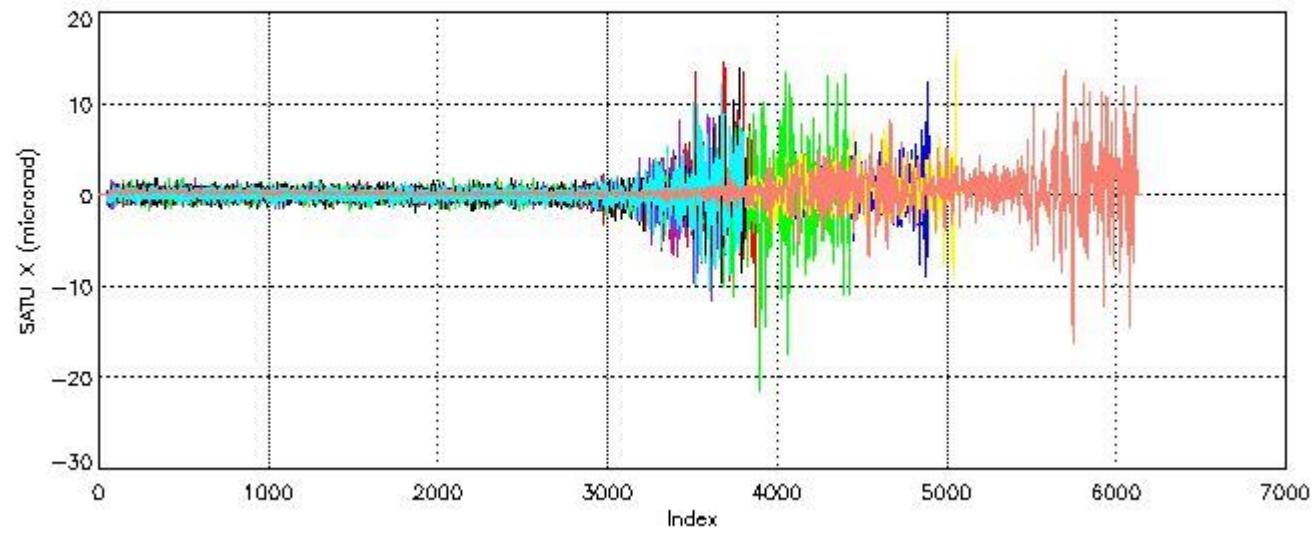


7. Star Acquisition and Tracking Unit (SATU)

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

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

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



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

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

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

7.2.1 SATU NEA Statistics (table)

Statistics	SATU X (D)	SATU Y (D)	SATU X (B)	SATU Y (B)
Mean:	0.12317	-1.4151	0.11112	-1.4081
St. deviation:	0.33709	0.57117	0.79449	0.97099
Maximum:	1.9000	0.50000	5.3000	4.5000
Minimum:	-1.7000	-3.8000	-5.5000	-7.7000

Number of data:	7350.0	7350.0	27300.	27300.
-----------------	--------	--------	--------	--------

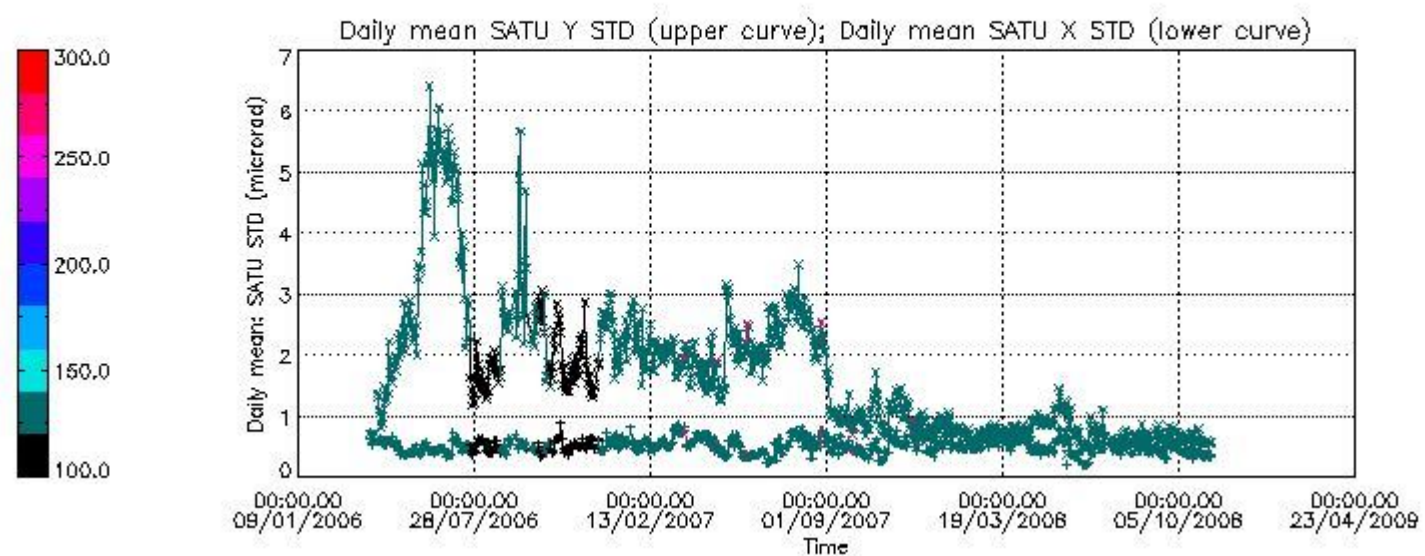
7.2.2 Trend of daily SATU NEA St. deviation since 1st April 2006 (dark limb)

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

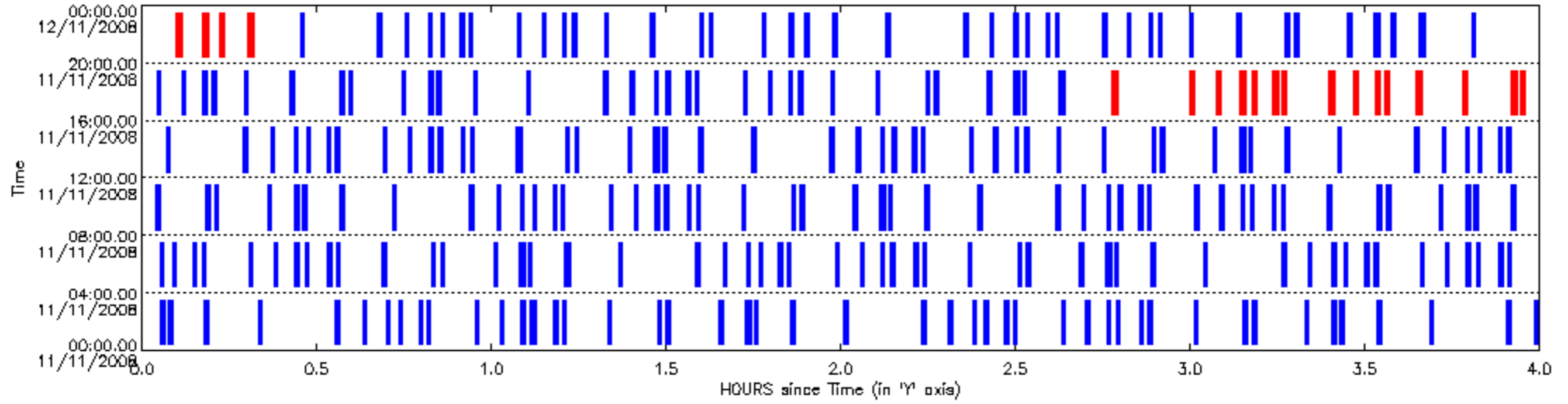
Lower curve: STD of SATU X axis

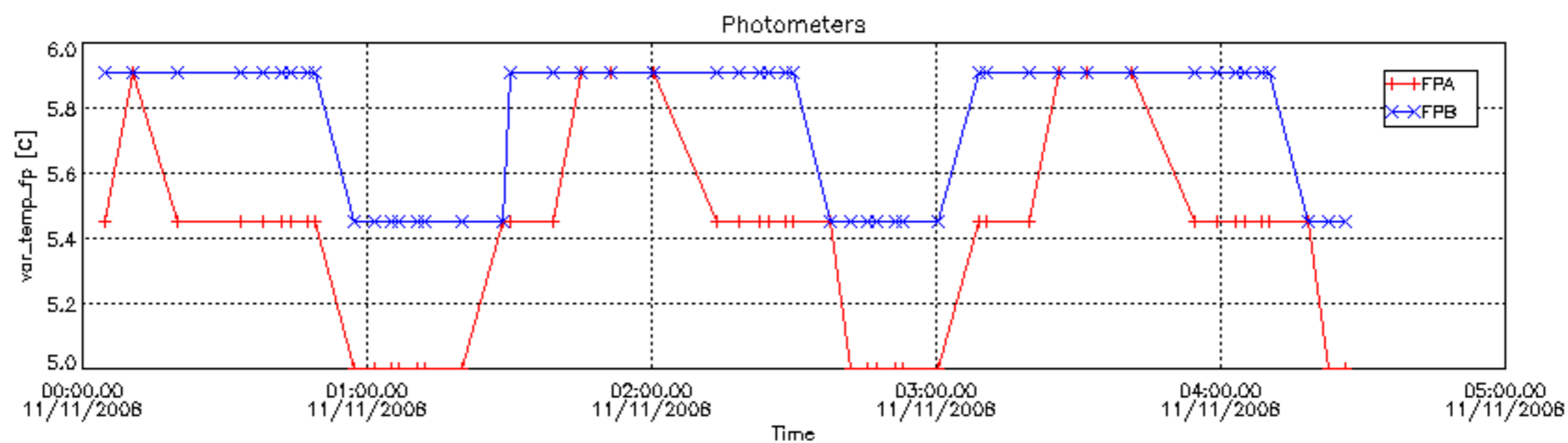
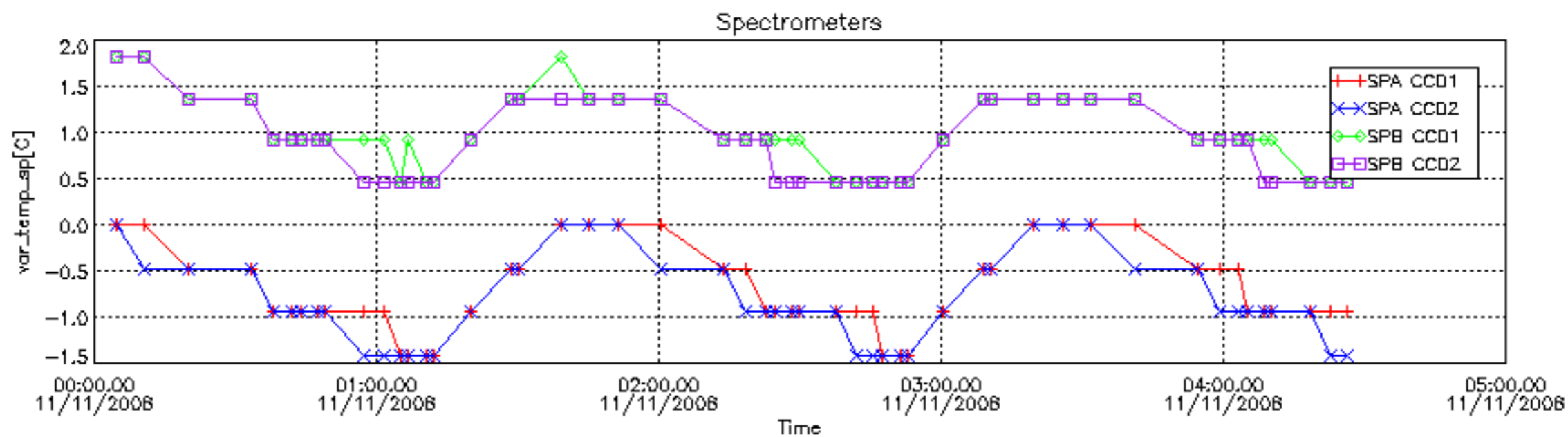


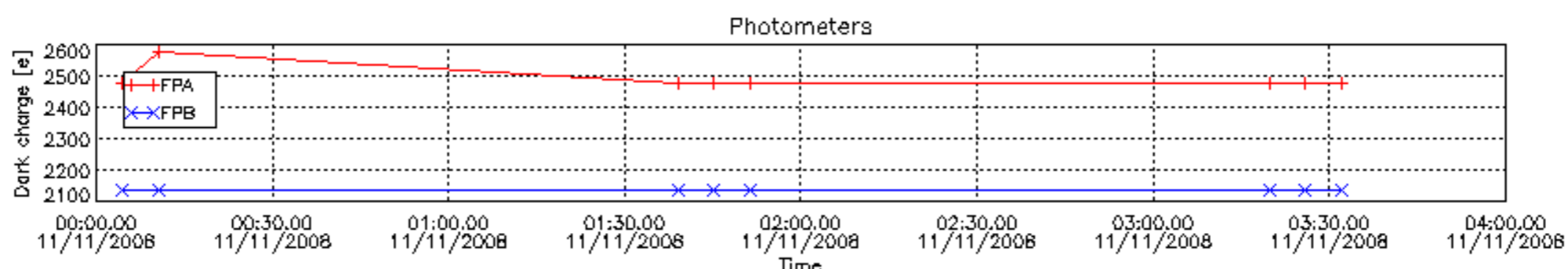
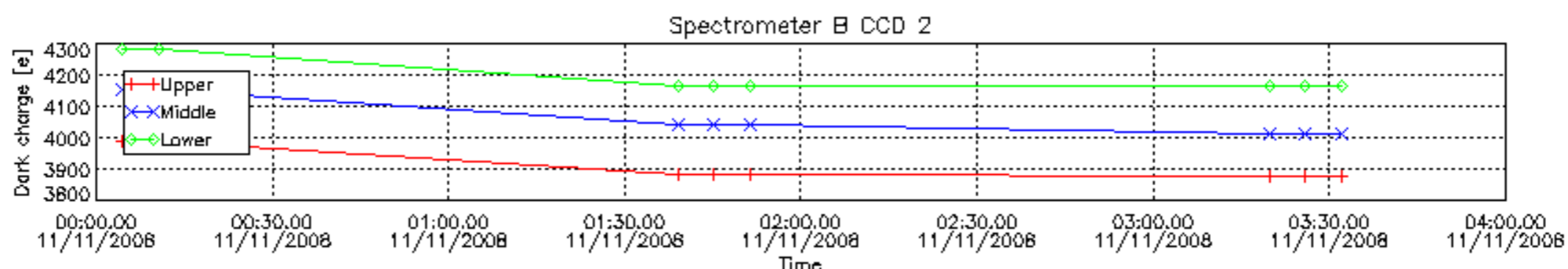
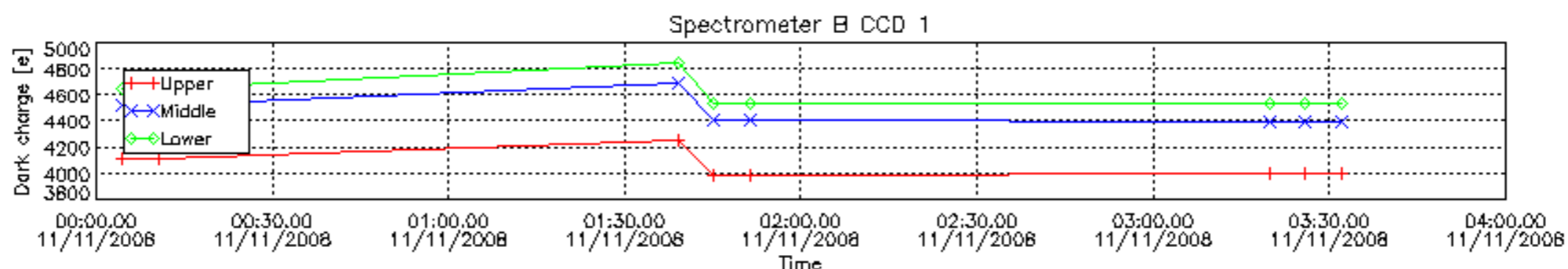
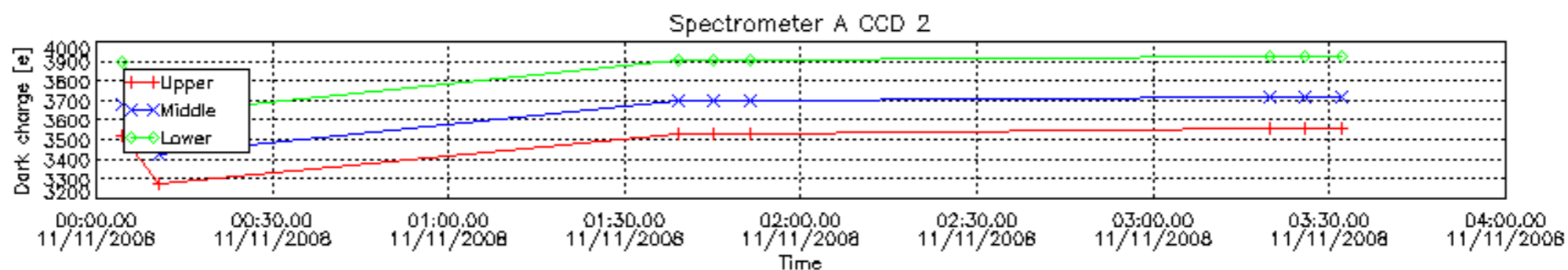
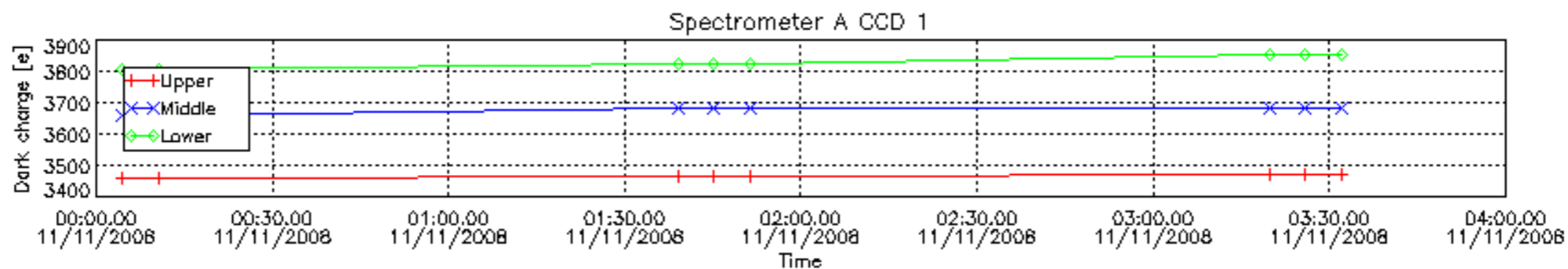
8. Auxiliary Data Files used for the production reported in section 2.4

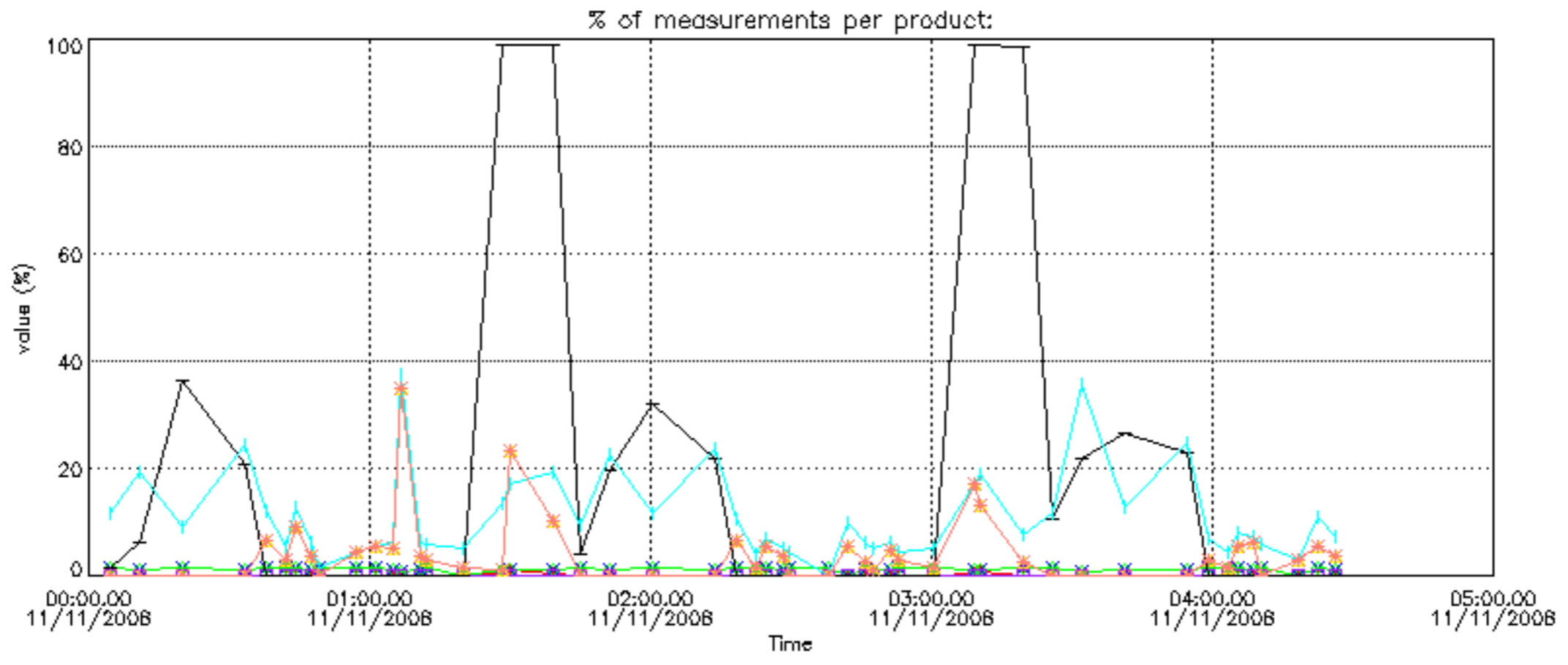
The number reported in the third column indicates since which file (see list in section 2.4) the corresponding auxiliary file has been used. The fourth column is the date of those product files.

Type	Auxiliary Filename	Used since product	Used since product date
INST_PHYS_CHARACTERISTICS	GOM_INS_AXNIEC20050627_150713_20030716_120000_20100101_000000	1	11-NOV-2008 00:04:31
CALIBRATION_DATABASE	GOM_CAL_AXVIEC20081107_163108_20081101_000000_20100101_000000	1	11-NOV-2008 00:04:31
LEVEL-1B_PROC_CONFIG	GOM_PR1_AXNIEC20050627_151042_20020301_000000_20100101_000000	1	11-NOV-2008 00:04:31
STAR_CATALOGUE	GOM_CAT_AXVIEC20020121_161009_20020101_000000_20200101_000000	1	11-NOV-2008 00:04:31
STELLAR_SPECTRA_DATABANK	GOM_STS_AXNIEC20040308_103538_20020101_160000_20100101_000000	1	11-NOV-2008 00:04:31
ECMWF_FILE	AUX_ECF_AXNECM20081110_072110_20081110_210000_20081111_090000	1	11-NOV-2008 00:04:31
ECMWF_FILE	AUX_ECF_AXNECM20081110_190112_20081111_030000_20081111_150000	49	11-NOV-2008 04:22:39
OPTIONAL_ECMWF_FILE	MISSING	1	11-NOV-2008 00:04:31
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20081110_220346_000057382073_00401_35024_6742.N1	1	11-NOV-2008 00:04:31
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20081110_234443_000057382073_00402_35025_6743.N1	17	11-NOV-2008 01:28:30
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20081111_012540_000041442073_00403_35026_6744.N1	31	11-NOV-2008 02:45:39
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20081111_024003_000057382073_00404_35027_6745.N1	49	11-NOV-2008 04:22:39

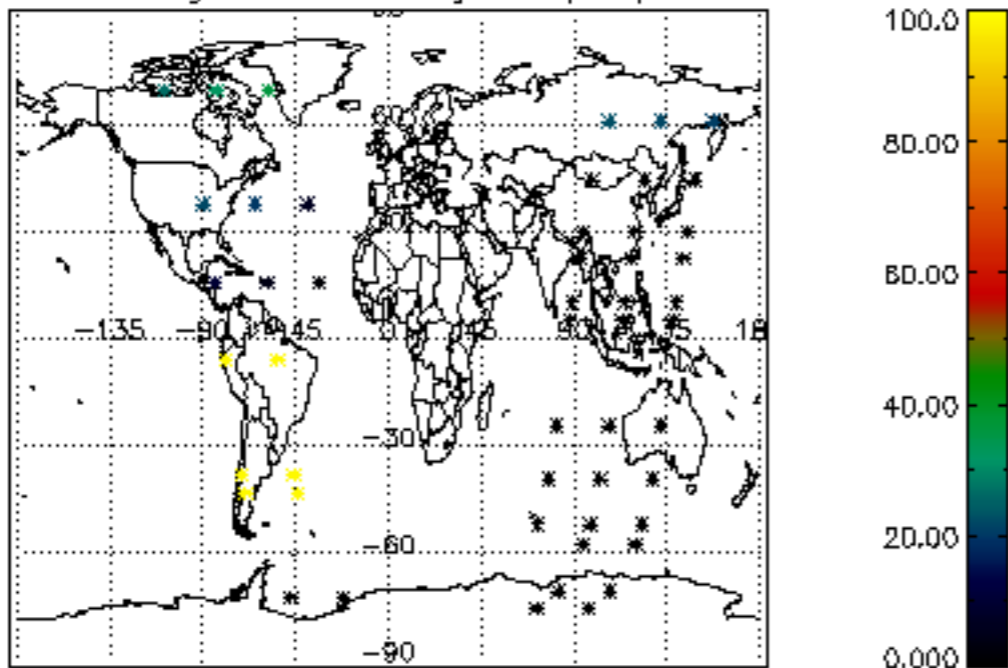




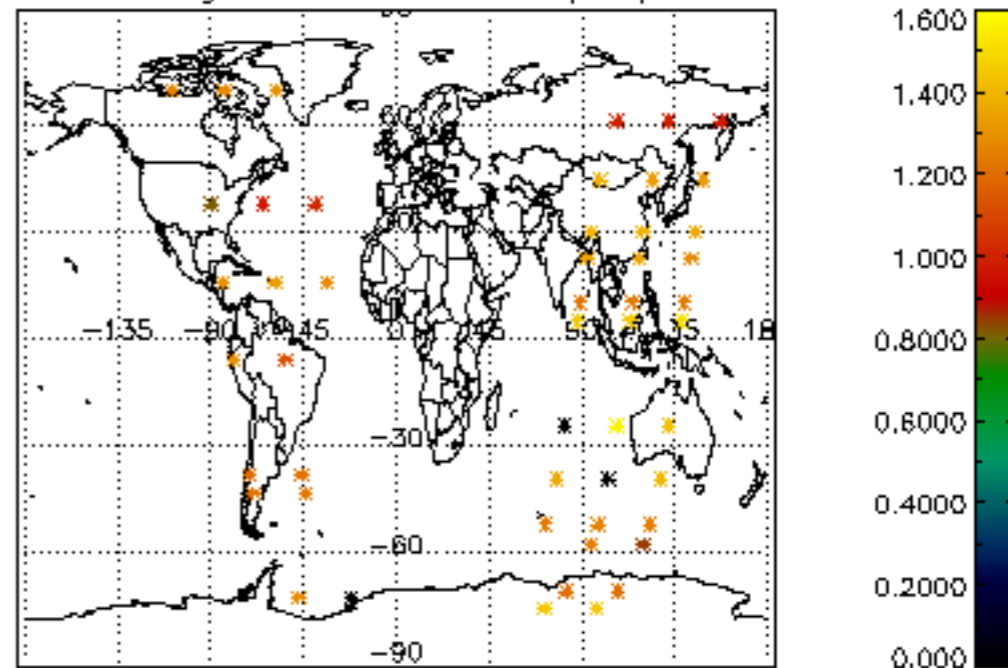




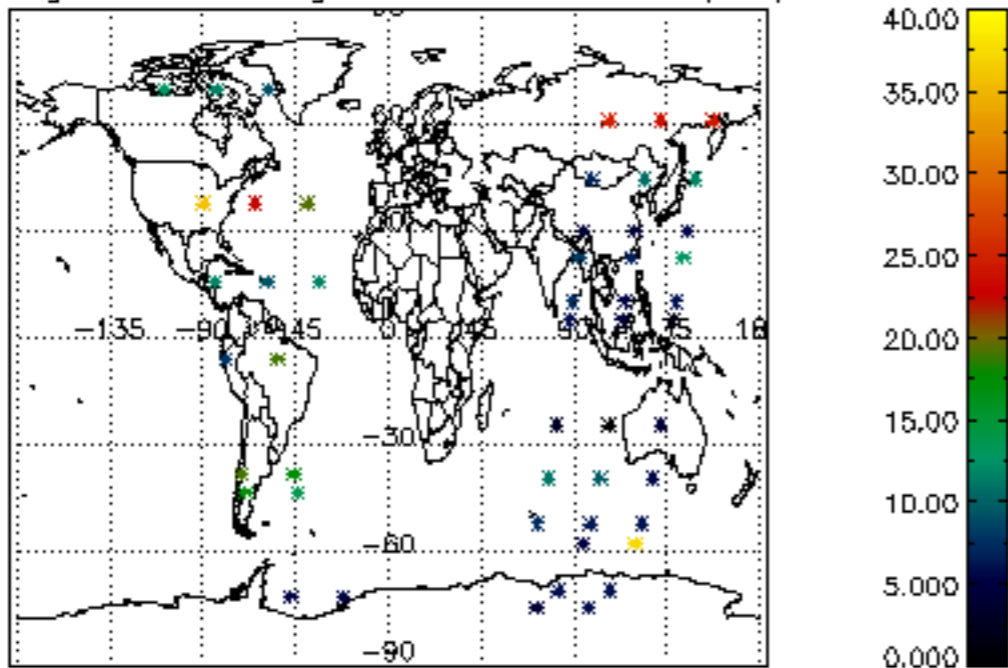
Percentage of cosmic ray hits per profile



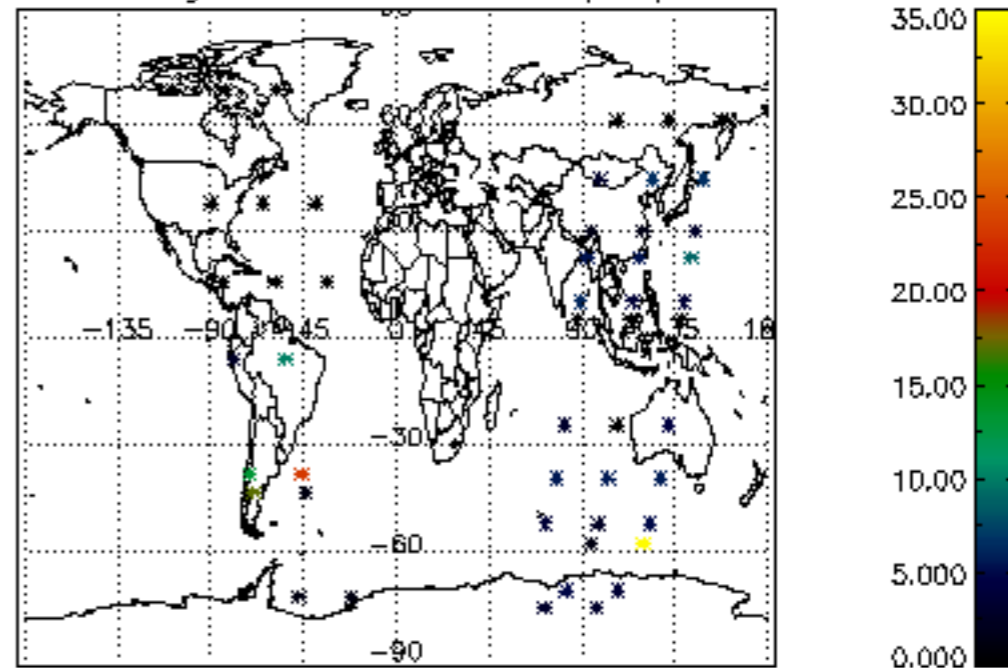
Percentage of datation errors per profile



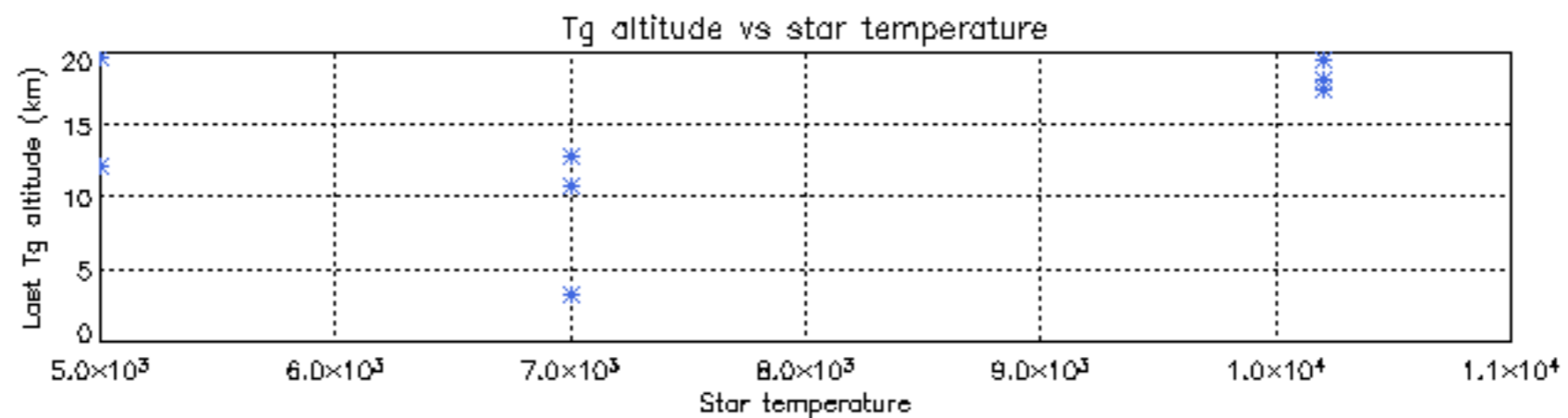
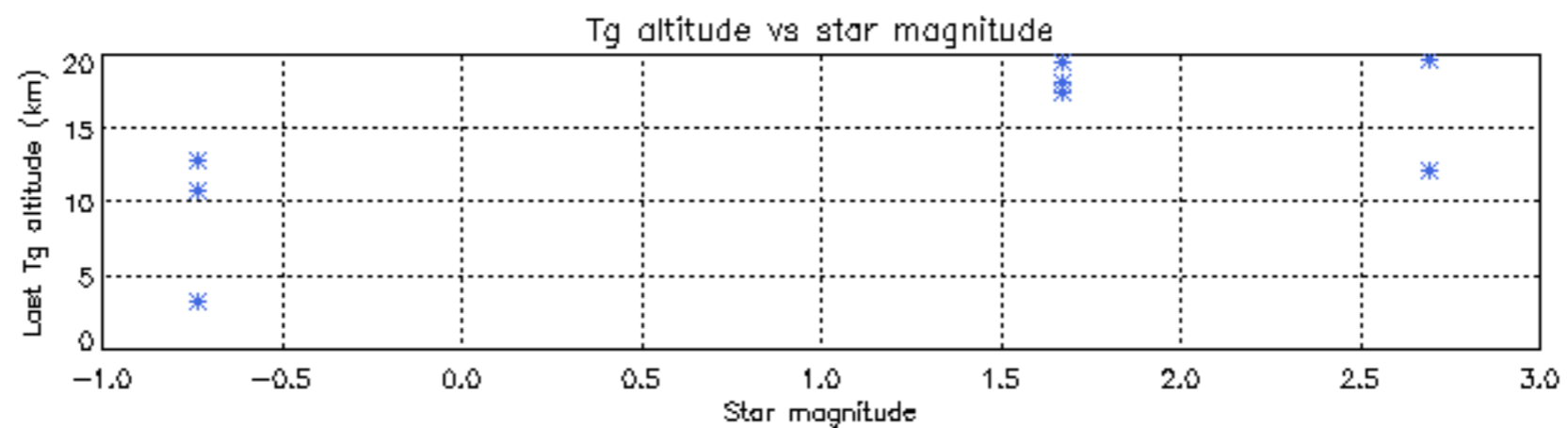
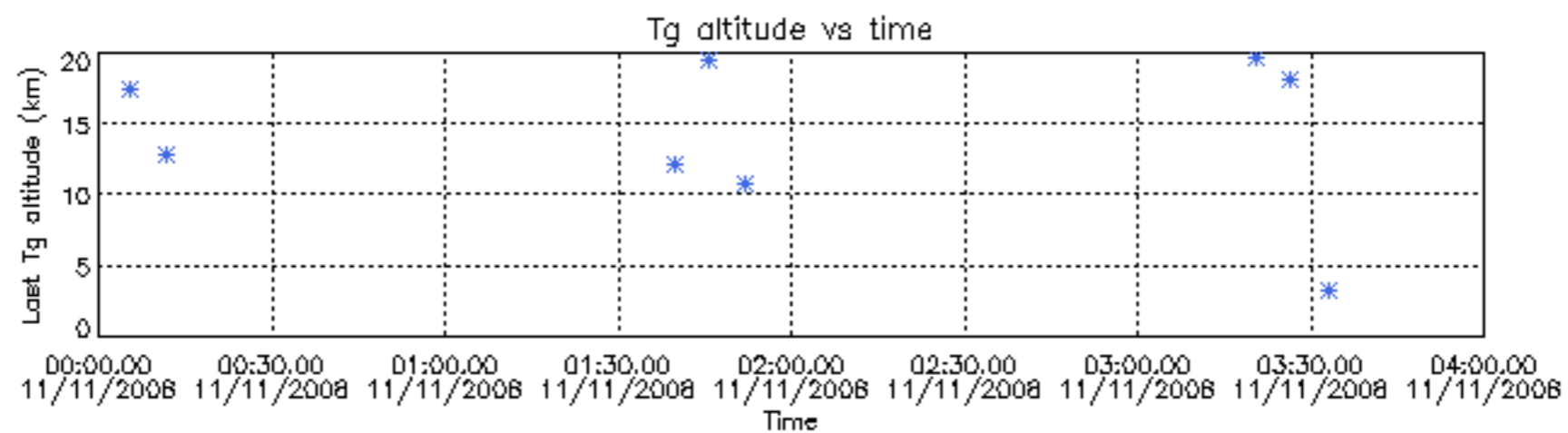
Percentage of star falling outside central band per profile



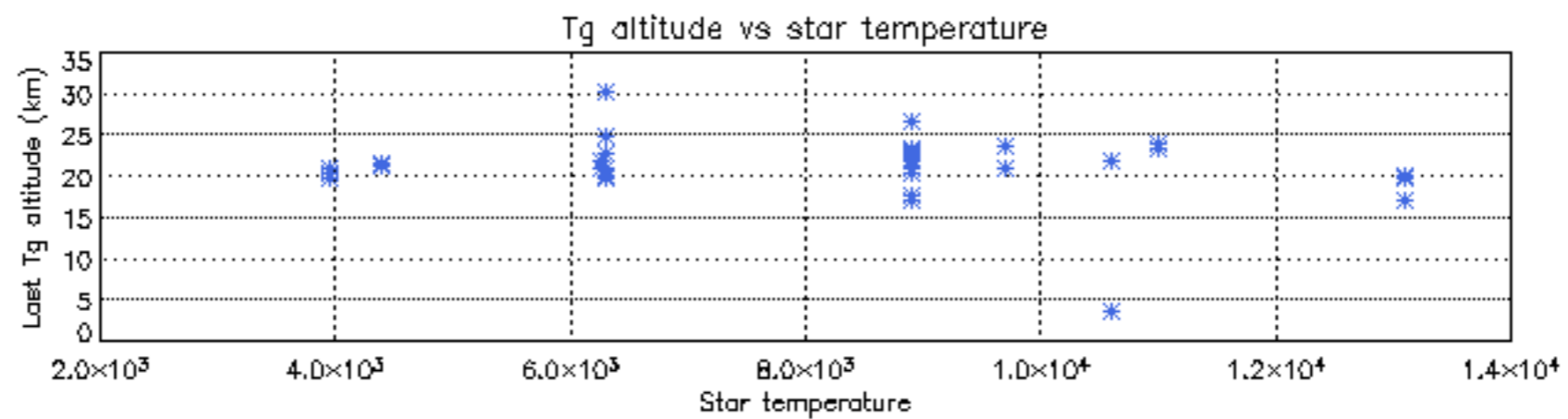
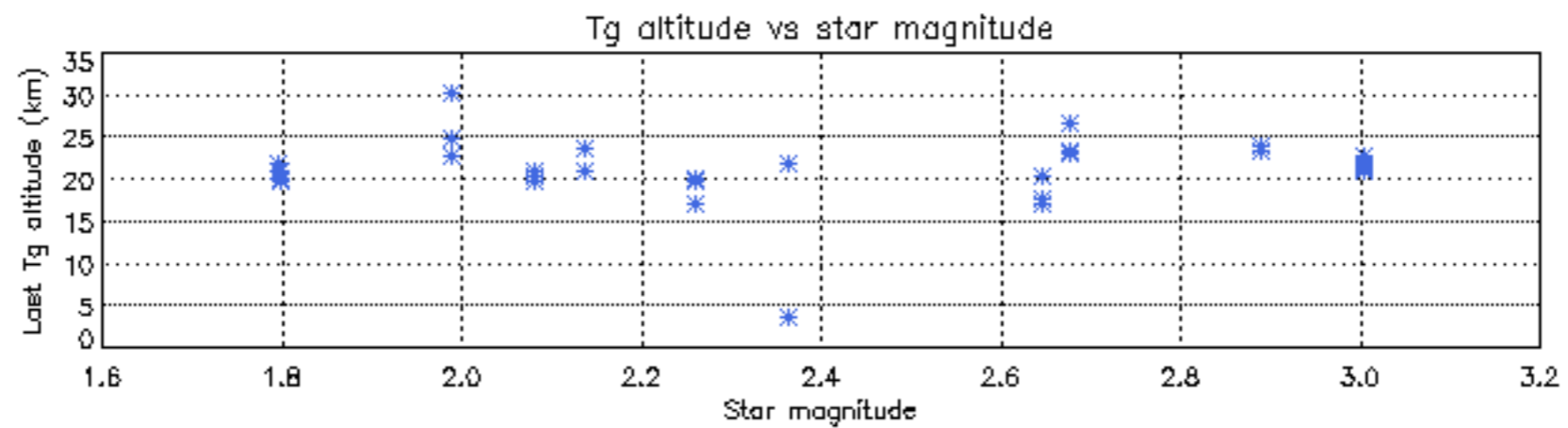
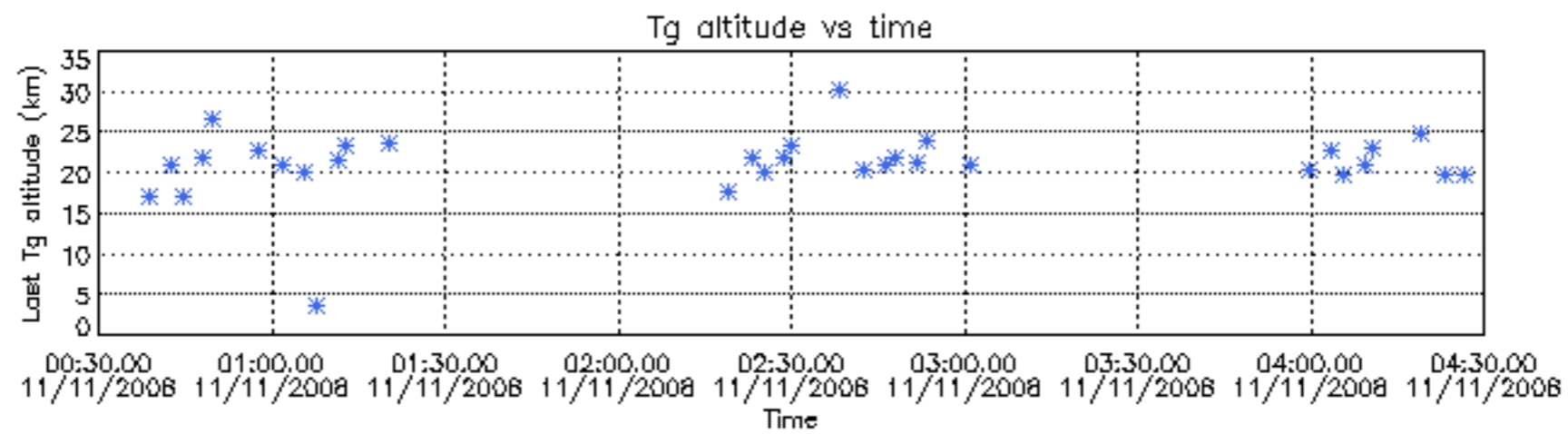
Percentage of saturation errors per profile



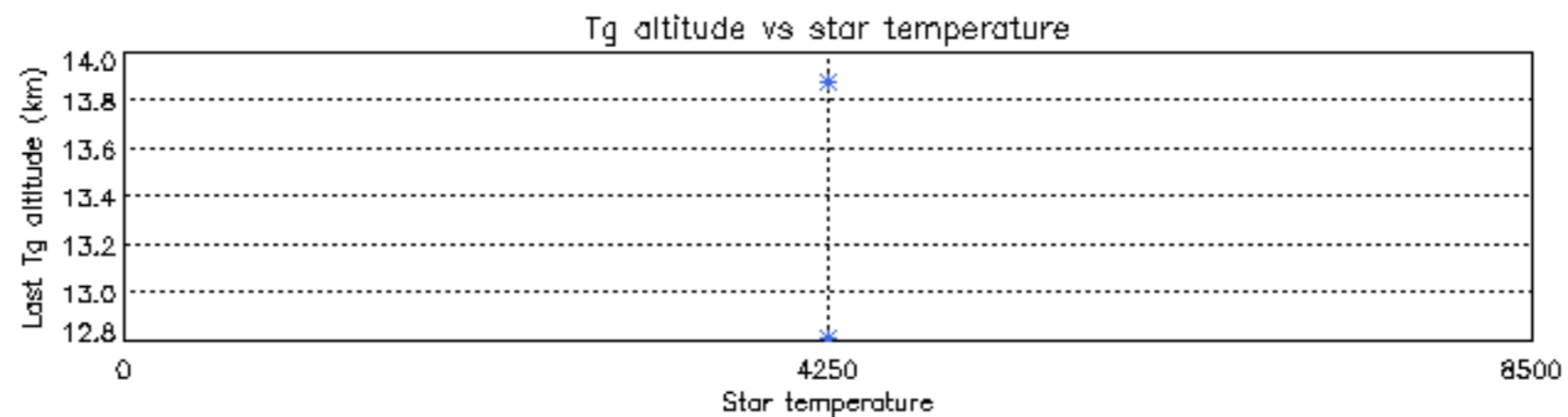
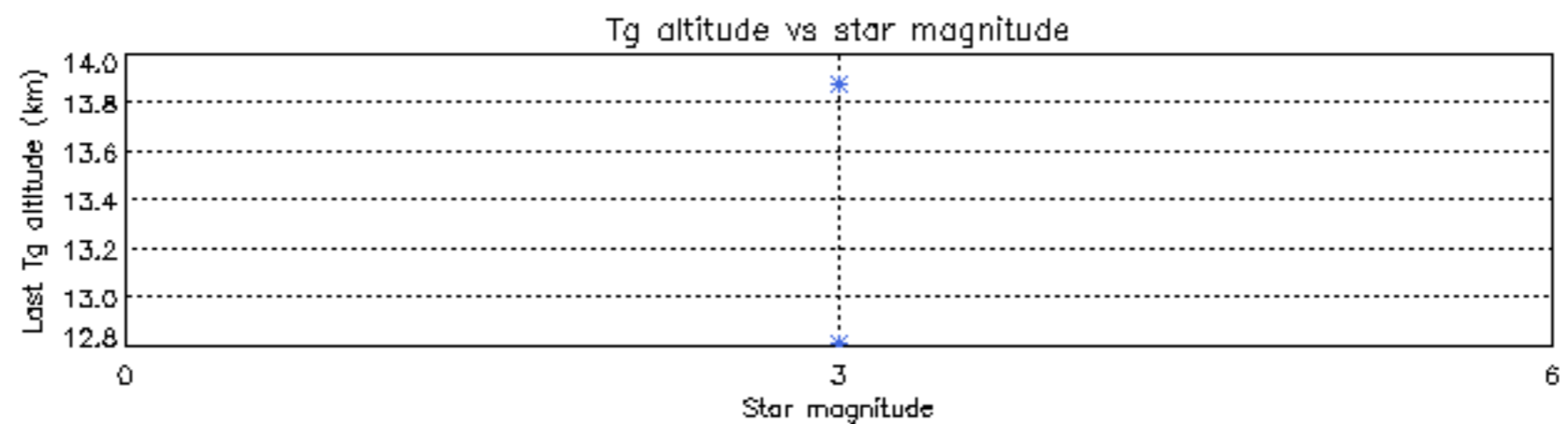
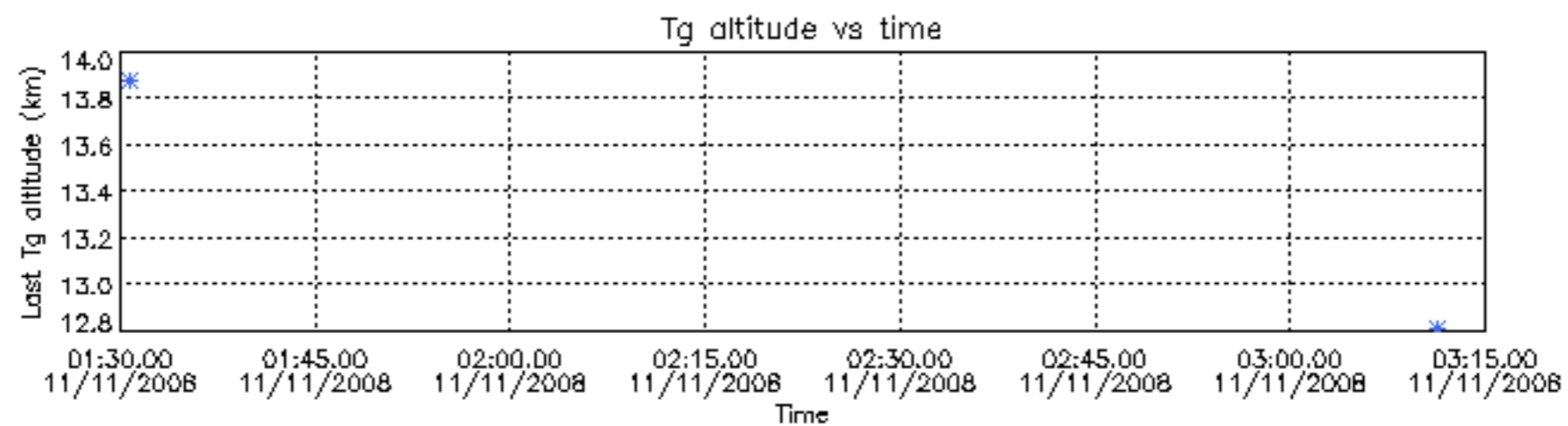
Tangent altitude at which the star is lost

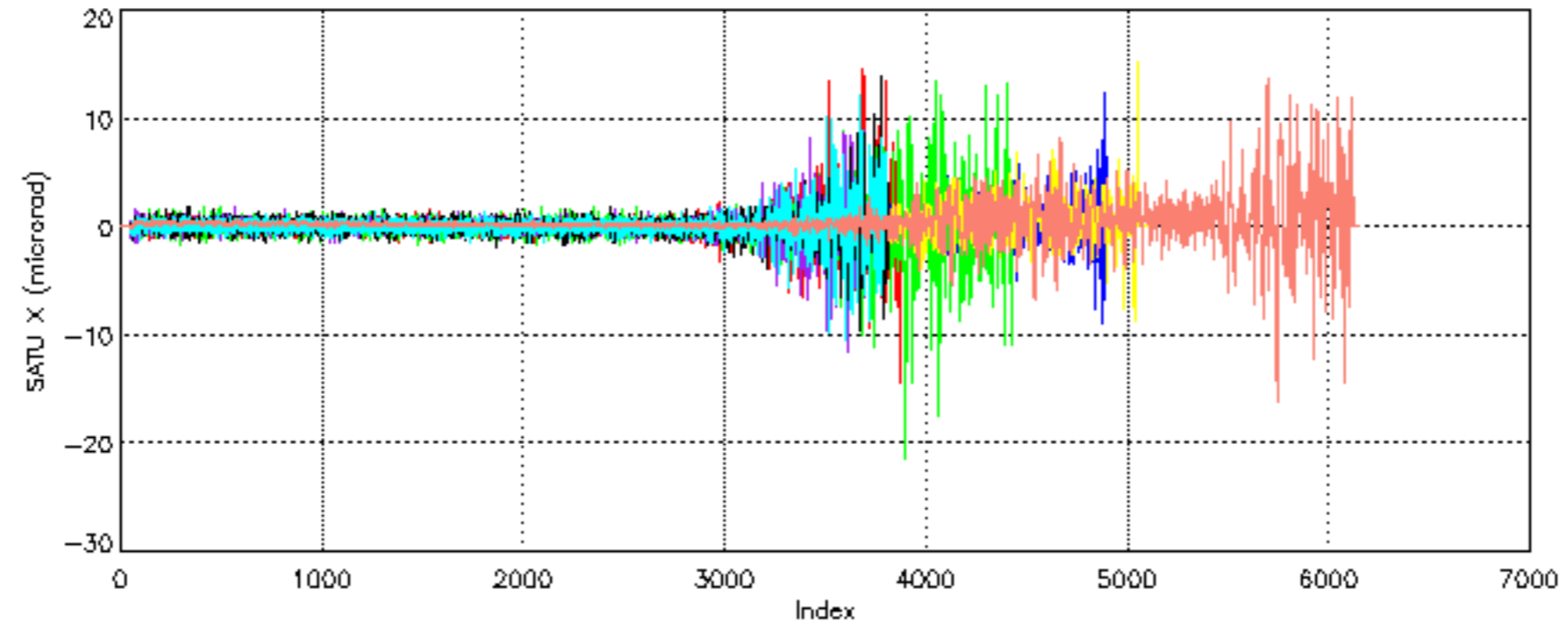


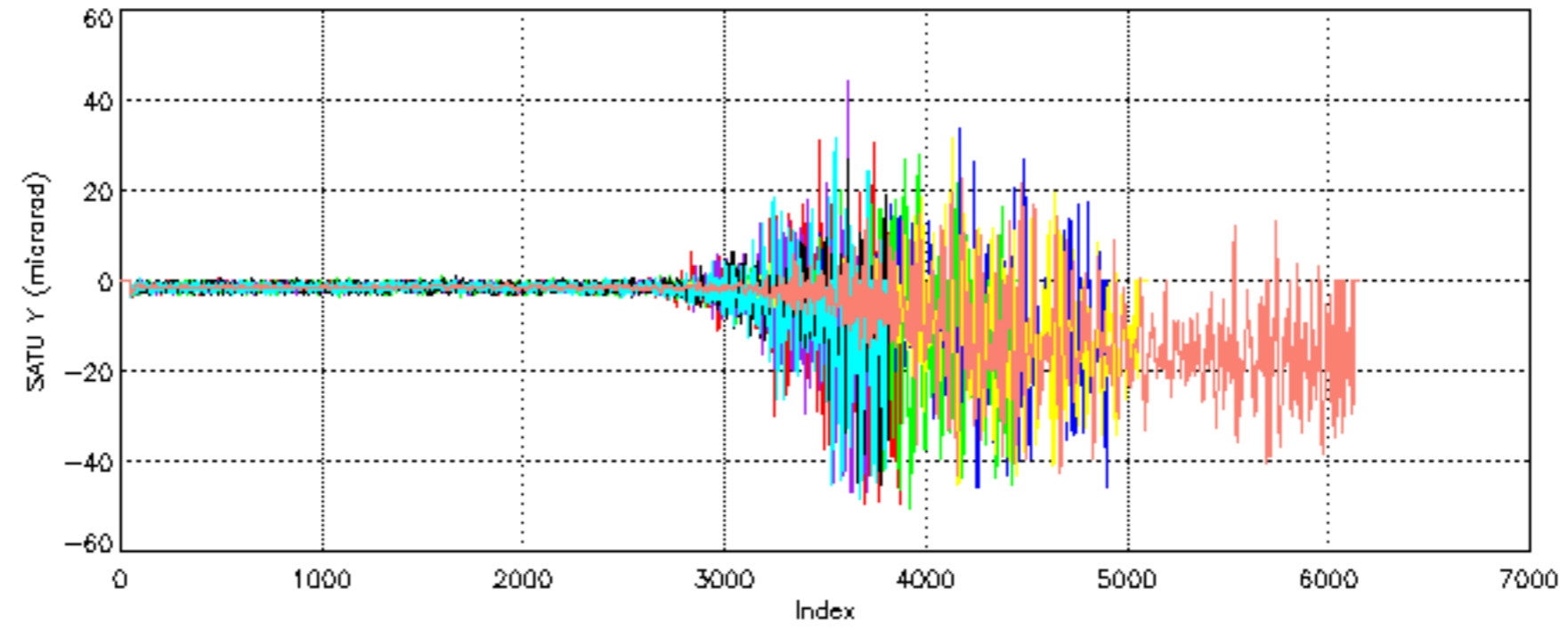
Tangent altitude at which the star is lost

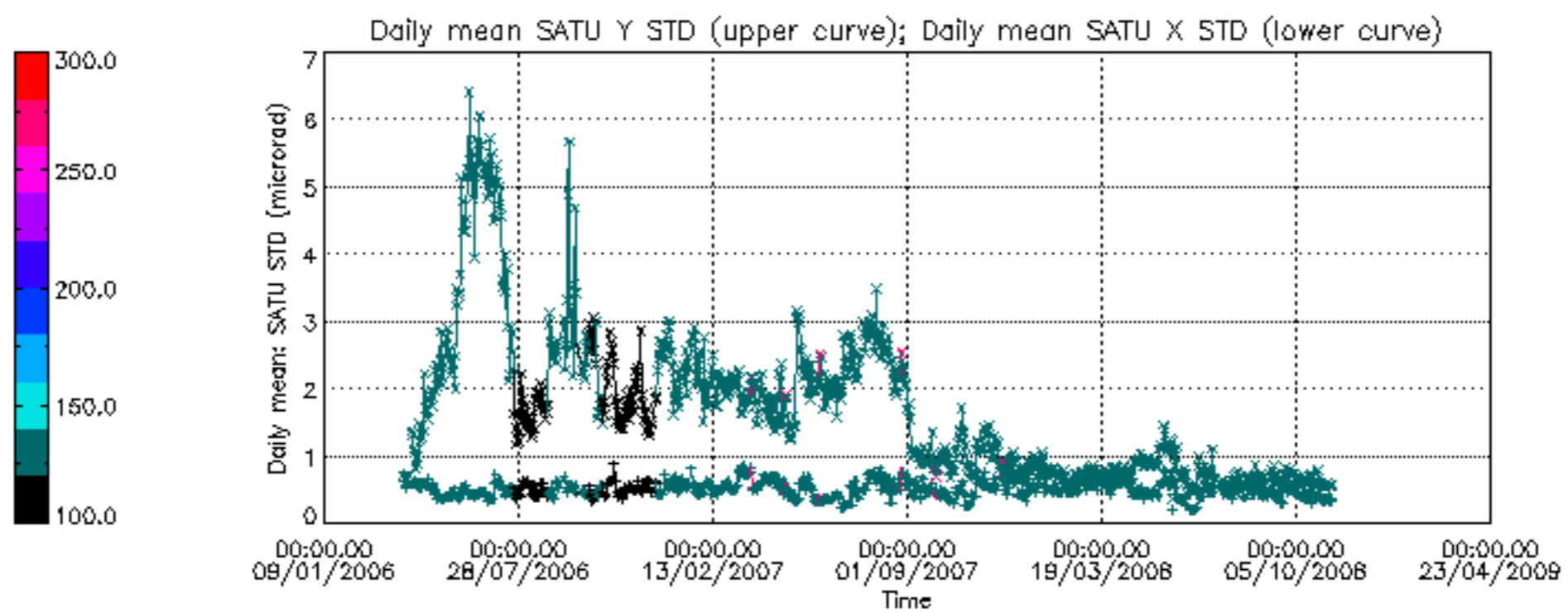


Tangent altitude at which the star is lost









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 3; 1024.0; 01-NOV-2008 05:33:26; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;34886
 4; 1133.1; 01-NOV-2008 05:35:15; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;34886
 5; 1508.8; 01-NOV-2008 05:41:30; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;34886
 6; 1878.7; 01-NOV-2008 05:47:40; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;34886
 7; 2264.3; 01-NOV-2008 05:54:06; Bright; 59.5; 0; ; 0.00; 0;occ; 119; 0;34886
 8; 2577.0; 01-NOV-2008 05:59:18; Bright; 58.5; 0; ; 0.00; 0;occ; 117; 0;34886
 9; 3111.1; 01-NOV-2008 06:08:13; Bright; 59.5; 0; ; 0.00; 0;occ; 119; 0;34886
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 11; 3467.1; 01-NOV-2008 06:14:09; Bright; 59.5; 0; ; 0.00; 0;occ; 119; 0;34886

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 3; 2514.1; 01-NOV-2008 21:03:39; Bright; 37.5; 53; 43Bet And ; 2.05; 3300;occ; 75; 0;34895
 4; 2656.8; 01-NOV-2008 21:06:02; Bright; 38.5; 73; 57Gam1And ; 2.26; 13100;occ; 77; 0;34895
 5; 2868.1; 01-NOV-2008 21:09:33; Bright; 36.0; 68; 18Alp Cas ; 2.22; 4500;occ; 72; 0;34895
 6; 2938.5; 01-NOV-2008 21:10:43; Bright; 36.0; 76; 27Gam Cas ; 2.30; 30000;occ; 72; 0;34895
 7; 3423.5; 01-NOV-2008 21:18:48; Bright; 37.0; 49; 1Alp UMi ; 1.99; 6300;occ; 74; 0;34895
 8; 3910.7; 01-NOV-2008 21:26:56; Bright; 36.0; 36; 50Alp UMa ; 1.80; 6300;occ; 72; 0;34895
 9; 4007.6; 01-NOV-2008 21:28:33; Bright; 49.5; 82; 48Bet UMa ; 2.37; 10600;occ; 99; 0;34895
 10; 4229.7; 01-NOV-2008 21:32:15; Bright; 57.0; 174; 52Psi UMa ; 3.00; 4400;occ; 114; 0;34895
 11; 4677.4; 01-NOV-2008 21:39:42; Bright; 57.5; 96; 68Del Leo ; 2.56; 9300;occ; 115; 0;34895

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 3; 147.1; 01-NOV-2008 22:04:48; Dark ; 44.0; 46; Del Vel ; 1.95; 10600;occ; 88; 0;34896
 4; 226.6; 01-NOV-2008 22:06:07; Dark ; 51.0; 41; Eps Car ; 1.86; 4100;occ; 102; 0;34896
 5; 537.3; 01-NOV-2008 22:11:18; Dark ; 63.0; 2; Alp Car ;-0.74; 7000;occ; 126; 0;34896
 6; 1146.9; 01-NOV-2008 22:21:28; Dark ; 39.5; 157; The1Eri ; 2.91; 9300;occ; 79; 0;34896
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 8; 2514.1; 01-NOV-2008 22:44:15; Bright; 38.0; 53; 43Bet And ; 2.05; 3300;occ; 76; 0;34896
 9; 2656.5; 01-NOV-2008 22:46:37; Bright; 38.5; 73; 57Gam1And ; 2.26; 13100;occ; 77; 0;34896
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 11; 2938.4; 01-NOV-2008 22:51:19; Bright; 36.0; 76; 27Gam Cas ; 2.30; 30000;occ; 72; 0;34896
 12; 3423.5; 01-NOV-2008 22:59:24; Bright; 36.0; 49; 1Alp UMi ; 1.99; 6300;occ; 72; 0;34896
 13; 3910.6; 01-NOV-2008 23:07:31; Bright; 37.0; 36; 50Alp UMa ; 1.80; 6300;occ; 74; 0;34896
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 8; 848.2; 01-NOV-2008 07:11:06; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;34887
 9; 1024.5; 01-NOV-2008 07:14:02; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;34887

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3; 2577.1; 01-NOV-2008 07:39:55; Bright; 58.5; 0; ; 0.00; 0;occ; 117; 0;34887
4; 3111.8; 01-NOV-2008 07:48:49; Bright; 59.5; 0; ; 0.00; 0;occ; 119; 0;34887
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7; 3803.5; 01-NOV-2008 08:00:21; Bright; 59.5; 0; ; 0.00; 0;occ; 119; 0;34887
8; 4019.3; 01-NOV-2008 08:03:57; Bright; 59.5; 0; ; 0.00; 0;occ; 119; 0;34887
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2; 2482.4; 01-NOV-2008 09:18:56; Bright; 92.0; 173; 4Bet Tri ; 3.00; 8900;occ; 184; 0;34888
3; 2869.5; 01-NOV-2008 09:25:23; Bright; 84.5; 74; 11Bet Cas ; 2.27; 6600;occ; 169; 0;34888
4; 3372.1; 01-NOV-2008 09:33:46; Bright; 87.5; 49; 1Alp UMi ; 1.99; 6300;occ; 175; 0;34888
5; 3857.1; 01-NOV-2008 09:41:50; Bright; 92.0; 36; 50Alp UMa ; 1.80; 6300;occ; 184; 0;34888
6; 4009.4; 01-NOV-2008 09:44:23; Bright; 93.0; 87; 64Gam UMa ; 2.43; 11000;occ; 186; 0;34888
7; 4174.2; 01-NOV-2008 09:47:08; Bright; 93.0; 174; 52Psi UMa ; 3.00; 4400;occ; 186; 0;34888
8; 4619.8; 01-NOV-2008 09:54:33; Bright; 94.0; 96; 68Del Leo ; 2.56; 9300;occ; 188; 0;34888
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8; 145.7; 09-NOV-2008 02:46:26; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;34999
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 6; 1180.8; 09-NOV-2008 21:30:17; Dark ; 39.0; 157; The1Eri ; 2.91; 9300;occ; 78; 0;35010
 7; 1982.9; 09-NOV-2008 21:43:39; Dark ; 50.5; 94; 92Alp Cet ; 2.53; 3100;occ; 101; 0;35010
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5; 260.4; 10-NOV-2008 22:23:55; Dark ; 39.5; 29; Bet Car ; 1.67; 10200;occ; 79; 0;35025
6; 632.7; 10-NOV-2008 22:30:07; Dark ; 60.0; 2; Alp Car ;-0.74; 7000;occ; 120; 0;35025
7; 1184.7; 10-NOV-2008 22:39:19; Dark ; 39.5; 157; The1Eri ; 2.91; 9300;occ; 79; 0;35025
8; 1981.0; 10-NOV-2008 22:52:35; Dark ; 50.5; 94; 92Alp Cet ; 2.53; 3100;occ; 101; 0;35025
9; 2262.2; 10-NOV-2008 22:57:17; Bright; 37.5; 105; 6Bet Ari ; 2.64; 8900;occ; 75; 0;35025
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11; 2632.9; 10-NOV-2008 23:03:27; Bright; 38.0; 73; 57Gam1And ; 2.26; 13100;occ; 76; 0;35025
12; 2841.8; 10-NOV-2008 23:06:56; Bright; 38.5; 35; 33Alp Per ; 1.79; 6250;occ; 77; 0;35025
13; 2941.6; 10-NOV-2008 23:08:36; Bright; 42.0; 76; 27Gam Cas ; 2.30; 30000;occ; 84; 0;35025
14; 3422.7; 10-NOV-2008 23:16:37; Bright; 36.5; 49; 1Alp UMi ; 1.99; 6300;occ; 73; 0;35025
15; 3676.1; 10-NOV-2008 23:20:51; Bright; 35.0; 60; 7Bet UMi ; 2.08; 3950;occ; 70; 0;35025
16; 3893.5; 10-NOV-2008 23:24:28; Bright; 38.5; 36; 50Alp UMA ; 1.80; 6300;occ; 77; 0;35025
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 6; 633.3; 11-NOV-2008 00:10:44; Dark ; 49.0; 2; Alp Car ;-0.74; 7000;occ; 98; 0;35026
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 10; 2509.0; 11-NOV-2008 00:41:59; Bright; 36.5; 173; 4Bet Tri ; 3.00; 8900;occ; 73; 0;35026
 11; 2632.7; 11-NOV-2008 00:44:03; Bright; 39.0; 73; 57Gam1And ; 2.26; 13100;occ; 78; 0;35026
 12; 2841.4; 11-NOV-2008 00:47:32; Bright; 40.5; 35; 33Alp Per ; 1.79; 6250;occ; 81; 0;35026
 13; 2930.0; 11-NOV-2008 00:49:00; Bright; 33.0; 110; 37Del Cas ; 2.68; 8900;occ; 66; 0;35026
 14; 3422.7; 11-NOV-2008 00:57:13; Bright; 35.0; 49; 1Alp UMi ; 1.99; 6300;occ; 70; 0;35026
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 16; 3893.4; 11-NOV-2008 01:05:04; Bright; 40.0; 36; 50Alp UMa ; 1.80; 6300;occ; 80; 0;35026
 17; 3991.5; 11-NOV-2008 01:06:42; Bright; 59.0; 82; 48Bet UMa ; 2.37; 10600;occ; 118; 0;35026
 18; 4226.9; 11-NOV-2008 01:10:37; Bright; 41.5; 174; 52Psi UMa ; 3.00; 4400;occ; 83; 0;35026
 19; 4321.8; 11-NOV-2008 01:12:12; Bright; 34.5; 152; 12Alp2CVn ; 2.89; 11000;occ; 69; 0;35026
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 3; -2042.8; 10-NOV-2008 06:40:08; Bright; 40.0; 82; 48Bet UMa ; 2.37; 10600;occ; 80; 0;35015
 4; -1808.5; 10-NOV-2008 06:44:03; Bright; 61.0; 174; 52Psi UMa ; 3.00; 4400;occ; 122; 0;35015
 5; -1715.4; 10-NOV-2008 06:45:36; Bright; 34.5; 152; 12Alp2CVn ; 2.89; 11000;occ; 69; 0;35015
 6; -1251.3; 10-NOV-2008 06:53:20; Bright; 37.5; 62; 94Bet Leo ; 2.14; 9700;occ; 75; 0;35015
 7; -650.4; 10-NOV-2008 07:03:21; Dark ; 40.0; 171; 2Eps Crv ; 3.00; 4250;occ; 80; 0;35015
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 9; 159.5; 10-NOV-2008 07:16:51; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;35016
 10; 257.3; 10-NOV-2008 07:18:28; Dark ; 37.0; 29; Bet Car ; 1.67; 10200;occ; 74; 0;35016
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 3; 2510.2; 10-NOV-2008 07:56:01; Bright; 36.5; 173; 4Bet Tri ; 3.00; 8900;occ; 73; 0;35016
 4; 2634.0; 10-NOV-2008 07:58:05; Bright; 37.0; 73; 57Gam1And ; 2.26; 13100;occ; 74; 0;35016
 5; 2877.9; 10-NOV-2008 08:02:09; Bright; 37.0; 68; 18Alp Cas ; 2.22; 4500;occ; 74; 0;35016
 6; 3422.8; 10-NOV-2008 08:11:14; Bright; 32.5; 49; 1Alp UMi ; 1.99; 6300;occ; 65; 0;35016
 7; 3675.0; 10-NOV-2008 08:15:26; Bright; 35.5; 60; 7Bet UMi ; 2.08; 3950;occ; 71; 0;35016
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 9; 3993.1; 10-NOV-2008 08:20:44; Bright; 40.5; 82; 48Bet UMa ; 2.37; 10600;occ; 81; 0;35016
 10; 4227.5; 10-NOV-2008 08:24:39; Bright; 42.0; 174; 52Psi UMa ; 3.00; 4400;occ; 84; 0;35016
 11; 4320.6; 10-NOV-2008 08:26:12; Bright; 33.5; 152; 12Alp2CVn ; 2.89; 11000;occ; 67; 0;35016
 12; 4784.9; 10-NOV-2008 08:33:56; Bright; 36.5; 62; 94Bet Leo ; 2.14; 9700;occ; 73; 0;35016
 13; 5385.9; 10-NOV-2008 08:43:57; Dark ; 42.0; 171; 2Eps Crv ; 3.00; 4250;occ; 84; 0;35016
 14; 5930.0; 10-NOV-2008 08:53:01; Dark ; 40.0; 113; Mu Vel ; 2.69; 5000;occ; 80; 0;35016
 15; 6196.2; 10-NOV-2008 08:57:27; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;35016
 16; 6293.6; 10-NOV-2008 08:59:05; Dark ; 39.0; 29; Bet Car ; 1.67; 10200;occ; 78; 0;35016
 17; 6662.9; 10-NOV-2008 09:05:14; Dark ; 46.5; 2; Alp Car ;-0.74; 7000;occ; 93; 0;35016
 18; 7218.9; 10-NOV-2008 09:14:30; Dark ; 38.5; 157; The1Eri ; 2.91; 9300;occ; 77; 0;35016

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 3; 2510.0; 10-NOV-2008 09:36:37; Bright; 35.0; 173; 4Bet Tri ; 3.00; 8900;occ; 70; 0;35017
 4; 2633.9; 10-NOV-2008 09:38:41; Bright; 36.5; 73; 57Gam1And ; 2.26; 13100;occ; 73; 0;35017
 5; 2877.9; 10-NOV-2008 09:42:45; Bright; 35.0; 68; 18Alp Cas ; 2.22; 4500;occ; 70; 0;35017
 6; 3422.8; 10-NOV-2008 09:51:50; Bright; 34.5; 49; 1Alp UMi ; 1.99; 6300;occ; 69; 0;35017
 7; 3675.1; 10-NOV-2008 09:56:02; Bright; 36.0; 60; 7Bet UMi ; 2.08; 3950;occ; 72; 0;35017
 8; 3894.9; 10-NOV-2008 09:59:42; Bright; 37.5; 36; 50Alp UMa ; 1.80; 6300;occ; 75; 0;35017
 9; 3993.0; 10-NOV-2008 10:01:20; Bright; 38.0; 82; 48Bet UMa ; 2.37; 10600;occ; 76; 0;35017
 10; 4227.4; 10-NOV-2008 10:05:15; Bright; 46.0; 174; 52Psi UMa ; 3.00; 4400;occ; 92; 0;35017
 11; 4320.7; 10-NOV-2008 10:06:48; Bright; 33.5; 152; 12Alp2CVn ; 2.89; 11000;occ; 67; 0;35017
 12; 4785.2; 10-NOV-2008 10:14:32; Bright; 40.0; 62; 94Bet Leo ; 2.14; 9700;occ; 80; 0;35017
 13; 5386.2; 10-NOV-2008 10:24:33; Dark ; 42.0; 171; 2Eps Crv ; 3.00; 4250;occ; 84; 0;35017
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17; 6663.5; 10-NOV-2008 10:45:51; Dark ; 47.5; 2; Alp Car ; -0.74; 7000;occ; 95; 0;35017
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 8; 3894.7; 10-NOV-2008 11:40:18; Bright; 39.0; 36; 50Alp UMa ; 1.80; 6300;occ; 78; 0;35018
 9; 3992.8; 10-NOV-2008 11:41:56; Bright; 41.5; 82; 48Bet UMa ; 2.37; 10600;occ; 83; 0;35018
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 3; 2509.8; 10-NOV-2008 12:57:49; Bright; 35.5; 173; 4Bet Tri ; 3.00; 8900;occ; 71; 0;35019
 4; 2633.7; 10-NOV-2008 12:59:52; Bright; 36.5; 73; 57Gam1And ; 2.26; 13100;occ; 73; 0;35019
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 9; 3992.6; 10-NOV-2008 15:03:07; Bright; 38.5; 82; 48Bet UMa ; 2.37; 10600;occ; 77; 0;35020
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 3; 2509.6; 10-NOV-2008 16:19:00; Bright; 37.5; 173; 4Bet Tri ; 3.00; 8900;occ; 75; 0;35021
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13; 5387.8; 10-NOV-2008 17:06:59; Dark ; 42.5; 171; 2Eps Crv ; 3.00; 4250;occ; 85; 0;35021
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7; 1185.3; 11-NOV-2008 02:00:32; Dark ; 39.0; 157; The1Eri ; 2.91; 9300;occ; 78; 0;35027
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3;-1808.8; 11-NOV-2008 02:51:13; Bright; 41.5; 174; 52Psi UMA ; 3.00; 4400;occ; 83; 0;35027
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16; 2632.7; 11-NOV-2008 04:05:15; Bright; 37.0; 73; 57Gam1And ; 2.26; 13100;occ; 74; 0;35028
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1; 1976.4; 14-NOV-2008 10:42:27; Dark ; 47.5; 94; 92Alp Cet ; 2.53; 3100;occ; 95; 0;35075
 2; 2263.7; 14-NOV-2008 10:47:14; Bright; 35.5; 105; 6Bet Ari ; 2.64; 8900;occ; 71; 0;35075
 3; 2505.0; 14-NOV-2008 10:51:16; Bright; 35.5; 173; 4Bet Tri ; 3.00; 8900;occ; 71; 0;35075
 4; 2628.9; 14-NOV-2008 10:53:19; Bright; 37.0; 73; 57Gam1And ; 2.26; 13100;occ; 74; 0;35075
 5; 2821.3; 14-NOV-2008 10:56:32; Bright; 40.0; 35; 33Alp Per ; 1.79; 6250;occ; 80; 0;35075
 6; 2930.8; 14-NOV-2008 10:58:21; Bright; 35.5; 110; 37Del Cas ; 2.68; 8900;occ; 71; 0;35075
 7; 3422.6; 14-NOV-2008 11:06:33; Bright; 36.0; 49; 1Alp UMi ; 1.99; 6300;occ; 72; 0;35075
 8; 3682.4; 14-NOV-2008 11:10:53; Bright; 37.0; 60; 7Bet UMi ; 2.08; 3950;occ; 74; 0;35075
 9; 3884.5; 14-NOV-2008 11:14:15; Bright; 36.5; 36; 50Alp UMa ; 1.80; 6300;occ; 73; 0;35075
 10; 3982.9; 14-NOV-2008 11:15:53; Bright; 39.0; 82; 48Bet UMa ; 2.37; 10600;occ; 78; 0;35075
 11; 4118.6; 14-NOV-2008 11:18:09; Bright; 34.0; 39; 85Eta UMa ; 1.85; 24000;occ; 68; 0;35075
 12; 4327.7; 14-NOV-2008 11:21:38; Bright; 35.0; 152; 12Alp2CVn ; 2.89; 11000;occ; 70; 0;35075
 13; 4805.2; 14-NOV-2008 11:29:36; Bright; 44.5; 62; 94Bet Leo ; 2.14; 9700;occ; 89; 0;35075
 14; 5018.9; 14-NOV-2008 11:33:10; Bright; 33.5; 121; 29Gam Vir ; 2.74; 7200;occ; 67; 0;35075
 15; 5319.6; 14-NOV-2008 11:38:10; Dark ; 39.5; 100; 4Gam Crv ; 2.58; 13100;occ; 79; 0;35075
 16; 5410.4; 14-NOV-2008 11:39:41; Dark ; 41.5; 171; 2Eps Crv ; 3.00; 4250;occ; 83; 0;35075
 17; 5963.2; 14-NOV-2008 11:48:54; Dark ; 40.5; 113; Mu Vel ; 2.69; 5000;occ; 81; 0;35075
 18; 6143.7; 14-NOV-2008 11:51:54; Dark ; 38.5; 124; The Car ; 2.76; 30000;occ; 77; 0;35075
 19; 6245.0; 14-NOV-2008 11:53:36; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;35075
 20; 6422.4; 14-NOV-2008 11:56:33; Dark ; 35.0; 34; Gam2Vel ; 1.79; 23000;occ; 70; 0;35075
 21; 6703.7; 14-NOV-2008 12:01:14; Dark ; 50.5; 2; Alp Car ; -0.74; 7000;occ; 101; 0;35075
 22; 7233.5; 14-NOV-2008 12:10:04; Dark ; 37.5; 157; The1Eri ; 2.91; 9300;occ; 75; 0;35075

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 2; 2263.8; 14-NOV-2008 12:27:50; Bright; 37.0; 105; 6Bet Ari ; 2.64; 8900;occ; 74; 0;35076
 3; 2504.9; 14-NOV-2008 12:31:51; Bright; 34.5; 173; 4Bet Tri ; 3.00; 8900;occ; 69; 0;35076
 4; 2628.9; 14-NOV-2008 12:33:55; Bright; 37.5; 73; 57Gam1And ; 2.26; 13100;occ; 75; 0;35076
 5; 2820.8; 14-NOV-2008 12:37:07; Bright; 41.0; 35; 33Alp Per ; 1.79; 6250;occ; 82; 0;35076
 6; 2930.8; 14-NOV-2008 12:38:57; Bright; 35.0; 110; 37Del Cas ; 2.68; 8900;occ; 70; 0;35076
 7; 3422.5; 14-NOV-2008 12:47:09; Bright; 36.0; 49; 1Alp UMi ; 1.99; 6300;occ; 72; 0;35076
 8; 3682.6; 14-NOV-2008 12:51:29; Bright; 35.0; 60; 7Bet UMi ; 2.08; 3950;occ; 70; 0;35076
 9; 3884.3; 14-NOV-2008 12:54:51; Bright; 41.5; 36; 50Alp UMa ; 1.80; 6300;occ; 83; 0;35076
 10; 3982.7; 14-NOV-2008 12:56:29; Bright; 40.0; 82; 48Bet UMa ; 2.37; 10600;occ; 80; 0;35076
 11; 4118.8; 14-NOV-2008 12:58:45; Bright; 35.0; 39; 85Eta UMa ; 1.85; 24000;occ; 70; 0;35076
 12; 4327.9; 14-NOV-2008 13:02:14; Bright; 34.0; 152; 12Alp2CVn ; 2.89; 11000;occ; 68; 0;35076
 13; 4805.6; 14-NOV-2008 13:10:12; Bright; 39.5; 62; 94Bet Leo ; 2.14; 9700;occ; 79; 0;35076
 14; 5019.3; 14-NOV-2008 13:13:46; Bright; 35.0; 121; 29Gam Vir ; 2.74; 7200;occ; 70; 0;35076
 15; 5320.1; 14-NOV-2008 13:18:47; Dark ; 41.0; 100; 4Gam Crv ; 2.58; 13100;occ; 82; 0;35076
 16; 5411.0; 14-NOV-2008 13:20:17; Dark ; 41.5; 171; 2Eps Crv ; 3.00; 4250;occ; 83; 0;35076
 17; 5963.8; 14-NOV-2008 13:29:30; Dark ; 39.5; 113; Mu Vel ; 2.69; 5000;occ; 79; 0;35076
 18; 6144.2; 14-NOV-2008 13:32:31; Dark ; 37.0; 124; The Car ; 2.76; 30000;occ; 74; 0;35076
 19; 6245.9; 14-NOV-2008 13:34:12; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;35076
 20; 6423.4; 14-NOV-2008 13:37:10; Dark ; 35.0; 34; Gam2Vel ; 1.79; 23000;occ; 70; 0;35076
 21; 6704.4; 14-NOV-2008 13:41:51; Dark ; 52.5; 2; Alp Car ; -0.74; 7000;occ; 105; 0;35076
 22; 7233.8; 14-NOV-2008 13:50:40; Dark ; 37.5; 157; The1Eri ; 2.91; 9300;occ; 75; 0;35076

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1; 1976.3; 14-NOV-2008 14:03:39; Dark ; 49.0; 94; 92Alp Cet ; 2.53; 3100;occ; 98; 0;35077
 2; 2263.7; 14-NOV-2008 14:08:26; Bright; 36.5; 105; 6Bet Ari ; 2.64; 8900;occ; 73; 0;35077
 3; 2504.8; 14-NOV-2008 14:12:27; Bright; 34.0; 173; 4Bet Tri ; 3.00; 8900;occ; 68; 0;35077
 4; 2628.9; 14-NOV-2008 14:14:31; Bright; 36.5; 73; 57Gam1And ; 2.26; 13100;occ; 73; 0;35077
 5; 2820.6; 14-NOV-2008 14:17:43; Bright; 40.0; 35; 33Alp Per ; 1.79; 6250;occ; 80; 0;35077
 6; 2930.9; 14-NOV-2008 14:19:33; Bright; 35.0; 110; 37Del Cas ; 2.68; 8900;occ; 70; 0;35077
 7; 3422.7; 14-NOV-2008 14:27:45; Bright; 33.5; 49; 1Alp UMi ; 1.99; 6300;occ; 67; 0;35077
 8; 3682.8; 14-NOV-2008 14:32:05; Bright; 36.0; 60; 7Bet UMi ; 2.08; 3950;occ; 72; 0;35077
 9; 3884.3; 14-NOV-2008 14:35:27; Bright; 58.0; 36; 50Alp UMa ; 1.80; 6300;occ; 116; 0;35077
 10; 3982.6; 14-NOV-2008 14:37:05; Bright; 39.0; 82; 48Bet UMa ; 2.37; 10600;occ; 78; 0;35077
 11; 4119.0; 14-NOV-2008 14:39:21; Bright; 34.0; 39; 85Eta UMa ; 1.85; 24000;occ; 68; 0;35077
 12; 4328.0; 14-NOV-2008 14:42:50; Bright; 35.0; 152; 12Alp2CVn ; 2.89; 11000;occ; 70; 0;35077
 13; 4806.0; 14-NOV-2008 14:50:48; Bright; 42.0; 62; 94Bet Leo ; 2.14; 9700;occ; 84; 0;35077
 14; 5019.7; 14-NOV-2008 14:54:22; Bright; 42.5; 121; 29Gam Vir ; 2.74; 7200;occ; 85; 0;35077
 15; 5320.6; 14-NOV-2008 14:59:23; Dark ; 38.5; 100; 4Gam Crv ; 2.58; 13100;occ; 77; 0;35077
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 17; 5964.5; 14-NOV-2008 15:10:07; Dark ; 41.5; 113; Mu Vel ; 2.69; 5000;occ; 83; 0;35077
 18; 6144.6; 14-NOV-2008 15:13:07; Dark ; 36.5; 124; The Car ; 2.76; 30000;occ; 73; 0;35077
 19; 6246.8; 14-NOV-2008 15:14:49; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;35077
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 21; 6705.2; 14-NOV-2008 15:22:27; Dark ; 47.5; 2; Alp Car ; -0.74; 7000;occ; 95; 0;35077
 22; 7234.1; 14-NOV-2008 15:31:16; Dark ; 36.5; 157; The1Eri ; 2.91; 9300;occ; 73; 0;35077

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 3; 2504.7; 14-NOV-2008 15:53:03; Bright; 36.5; 173; 4Bet Tri ; 3.00; 8900;occ; 73; 0;35078
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 5; 2820.1; 14-NOV-2008 15:58:18; Bright; 40.5; 35; 33Alp Per ; 1.79; 6250;occ; 81; 0;35078
 6; 2931.0; 14-NOV-2008 16:00:09; Bright; 35.5; 110; 37Del Cas ; 2.68; 8900;occ; 71; 0;35078
 7; 3422.6; 14-NOV-2008 16:08:21; Bright; 36.0; 49; 1Alp UMi ; 1.99; 6300;occ; 72; 0;35078
 8; 3682.8; 14-NOV-2008 16:12:41; Bright; 37.0; 60; 7Bet UMi ; 2.08; 3950;occ; 74; 0;35078
 9; 3884.1; 14-NOV-2008 16:16:02; Bright; 43.0; 36; 50Alp UMa ; 1.80; 6300;occ; 86; 0;35078
 10; 3982.4; 14-NOV-2008 16:17:41; Bright; 43.0; 82; 48Bet UMa ; 2.37; 10600;occ; 86; 0;35078
 11; 4119.2; 14-NOV-2008 16:19:57; Bright; 34.5; 39; 85Eta UMa ; 1.85; 24000;occ; 69; 0;35078
 12; 4328.0; 14-NOV-2008 16:23:26; Bright; 38.0; 152; 12Alp2CVn ; 2.89; 11000;occ; 76; 0;35078
 13; 4806.3; 14-NOV-2008 16:31:25; Bright; 40.5; 62; 94Bet Leo ; 2.14; 9700;occ; 81; 0;35078
 14; 5019.9; 14-NOV-2008 16:34:58; Bright; 53.0; 121; 29Gam Vir ; 2.74; 7200;occ; 106; 0;35078
 15; 5321.0; 14-NOV-2008 16:39:59; Dark ; 41.5; 100; 4Gam Crv ; 2.58; 13100;occ; 83; 0;35078
 16; 5411.9; 14-NOV-2008 16:41:30; Dark ; 40.5; 171; 2Eps Crv ; 3.00; 4250;occ; 81; 0;35078
 17; 5965.1; 14-NOV-2008 16:50:43; Dark ; 46.0; 113; Mu Vel ; 2.69; 5000;occ; 92; 0;35078

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 2; 600.3; 14-NOV-2008 18:42:31; Dark ; 101.5; 132; 15Rho Pup ; 2.80; 6900;occ; 203; 0;35080
 3; 788.8; 14-NOV-2008 18:45:39; Dark ; 81.0; 88; 31Eta CMa ; 2.45; 20000;occ; 162; 0;35080
 4; 927.0; 14-NOV-2008 18:47:57; Dark ; 80.5; 23; 21Eps CMa ; 1.50; 26000;occ; 161; 0;35080

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 2; 1073.1; 14-NOV-2008 18:50:23; Dark ; 56.0; 108; Alp Col ; 2.65; 15200;occ; 112; 0;35080
 3; 1450.1; 14-NOV-2008 18:56:40; Dark ; 26.0; 47; 2Bet CMa ; 1.98; 28000;occ; 52; 0;35080
 4; 1500.1; 14-NOV-2008 18:57:30; Dark ; 74.0; 101; 11Alp Lep ; 2.58; 7000;occ; 148; 0;35080
 5; 1798.4; 14-NOV-2008 19:02:29; Dark ; 85.0; 7; 19Bet Ori ; 0.10; 14000;occ; 170; 0;35080
 6; 1926.8; 14-NOV-2008 19:04:37; Dark ; 35.0; 125; 44Iot Ori ; 2.77; 30000;occ; 70; 0;35080
 7; 2369.3; 14-NOV-2008 19:12:00; Bright; 64.0; 13; 87Alp Tau ; 0.87; 3800;occ; 128; 0;35080
 8; 2562.3; 14-NOV-2008 19:15:13; Bright; 44.0; 150; 44Zet Per ; 2.89; 28000;occ; 88; 0;35080
 9; 2788.3; 14-NOV-2008 19:18:59; Bright; 58.0; 114; 3Iot Aur ; 2.69; 4600;occ; 116; 0;35080
 10; 3044.8; 14-NOV-2008 19:23:15; Bright; 57.0; 6; 13Alp Aur ; 0.08; 3400;occ; 114; 0;35080
 11; 3229.8; 14-NOV-2008 19:26:20; Bright; 64.0; 42; 34Bet Aur ; 1.90; 10200;occ; 128; 0;35080
 12; 4835.7; 14-NOV-2008 19:53:06; Bright; 88.0; 166; 17Eps Leo ; 2.98; 6000;occ; 176; 0;35080
 13; 5122.3; 14-NOV-2008 19:57:53; Dark ; 83.0; 22; 32Alp Leo ; 1.36; 15200;occ; 166; 0;35080
 14; 5905.1; 14-NOV-2008 20:10:55; Dark ; 111.0; 48; 30Alp Hya ; 1.98; 4100;occ; 222; 0;35080
 15; 6460.1; 14-NOV-2008 20:20:10; Dark ; 59.5; 0; 0.00; 0;occ; 119; 0;35080
 16; 6638.4; 14-NOV-2008 20:23:09; Dark ; 98.5; 132; 15Rho Pup ; 2.80; 6900;occ; 197; 0;35080
 17; 6826.2; 14-NOV-2008 20:26:16; Dark ; 79.0; 88; 31Eta CMa ; 2.45; 20000;occ; 158; 0;35080
 18; 6964.1; 14-NOV-2008 20:28:34; Dark ; 82.0; 23; 21Eps CMa ; 1.50; 26000;occ; 164; 0;35080
 19; 7109.8; 14-NOV-2008 20:31:00; Dark ; 22.0; 108; Alp Col ; 2.65; 15200;occ; 44; 0;35080

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1; -121.9; 15-NOV-2008 01:12:52; Dark ; 108.0; 48; 30Alp Hya ; 1.98; 4100;occ; 216; 0;35083
 2; 430.2; 15-NOV-2008 01:22:04; Dark ; 59.5; 0; 0.00; 0;occ; 119; 0;35084
 3; 689.2; 15-NOV-2008 01:26:23; Dark ; 65.5; 117; Pi Pup ; 2.71; 3800;occ; 131; 0;35084
 4; 794.8; 15-NOV-2008 01:28:09; Dark ; 80.0; 88; 31Eta CMa ; 2.45; 20000;occ; 160; 0;35084
 5; 932.1; 15-NOV-2008 01:30:26; Dark ; 76.5; 23; 21Eps CMa ; 1.50; 26000;occ; 153; 0;35084
 6; 1075.9; 15-NOV-2008 01:32:50; Dark ; 53.0; 108; Alp Col ; 2.65; 15200;occ; 106; 0;35084
 7; 1451.5; 15-NOV-2008 01:39:05; Dark ; 34.0; 47; 2Bet CMa ; 1.98; 28000;occ; 68; 0;35084
 8; 1796.7; 15-NOV-2008 01:44:51; Dark ; 86.0; 7; 19Bet Ori ; 0.10; 14000;occ; 172; 0;35084
 9; 1922.8; 15-NOV-2008 01:46:57; Dark ; 48.0; 125; 44Iot Ori ; 2.77; 30000;occ; 96; 0;35084
 10; 2365.6; 15-NOV-2008 01:54:19; Bright; 63.0; 13; 87Alp Tau ; 0.87; 3800;occ; 126; 0;35084
 11; 2559.9; 15-NOV-2008 01:57:34; Bright; 44.5; 150; 44Zet Per ; 2.89; 28000;occ; 89; 0;35084
 12; 2783.4; 15-NOV-2008 02:01:17; Bright; 59.5; 114; 3Iot Aur ; 2.69; 4600;occ; 119; 0;35084
 13; 3040.3; 15-NOV-2008 02:05:34; Bright; 55.5; 6; 13Alp Aur ; 0.08; 3400;occ; 111; 0;35084
 14; 3224.4; 15-NOV-2008 02:08:38; Bright; 57.5; 42; 34Bet Aur ; 1.90; 10200;occ; 115; 0;35084

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 2; -908.1; 15-NOV-2008 02:40:22; Dark ; 87.5; 22; 32Alp Leo ; 1.36; 15200;occ; 175; 0;35084
 3; -118.9; 15-NOV-2008 02:53:31; Dark ; 116.5; 48; 30Alp Hya ; 1.98; 4100;occ; 233; 0;35084
 4; 432.3; 15-NOV-2008 03:02:42; Dark ; 59.5; 0; 0.00; 0;occ; 119; 0;35085
 5; 690.5; 15-NOV-2008 03:07:00; Dark ; 63.0; 117; Pi Pup ; 2.71; 3800;occ; 126; 0;35085
 6; 796.4; 15-NOV-2008 03:08:46; Dark ; 78.0; 88; 31Eta CMa ; 2.45; 20000;occ; 156; 0;35085
 7; 933.4; 15-NOV-2008 03:11:03; Dark ; 82.0; 23; 21Eps CMa ; 1.50; 26000;occ; 164; 0;35085
 8; 1076.3; 15-NOV-2008 03:13:26; Dark ; 51.0; 108; Alp Col ; 2.65; 15200;occ; 102; 0;35085
 9; 1451.8; 15-NOV-2008 03:19:41; Dark ; 34.0; 47; 2Bet CMa ; 1.98; 28000;occ; 68; 0;35085


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10; 1796.5; 15-NOV-2008 03:25:26; Dark ; 88.5; 7; 19Bet Ori ; 0.10; 14000;occ; 177; 0;35085
11; 1921.9; 15-NOV-2008 03:27:32; Dark ; 48.0; 125; 44Iot Ori ; 2.77; 30000;occ; 96; 0;35085
12; 2364.7; 15-NOV-2008 03:34:54; Bright; 62.0; 13; 87Alp Tau ; 0.87; 3800;occ; 124; 0;35085
13; 2559.2; 15-NOV-2008 03:38:09; Bright; 44.0; 150; 44Zet Per ; 2.89; 28000;occ; 88; 0;35085
14; 2782.1; 15-NOV-2008 03:41:52; Bright; 59.0; 114; 3Iot Aur ; 2.69; 4600;occ; 118; 0;35085
15; 3039.3; 15-NOV-2008 03:46:09; Bright; 57.0; 6; 13Alp Aur ; 0.08; 3400;occ; 114; 0;35085
16; 3222.9; 15-NOV-2008 03:49:13; Bright; 61.0; 42; 34Bet Aur ; 1.90; 10200;occ; 122; 0;35085
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 2; -906.7; 15-NOV-2008 04:20:59; Dark ; 82.5; 22; 32Alp Leo ; 1.36; 15200;occ; 165; 0;35085
 3; -116.1; 15-NOV-2008 04:34:10; Dark ; 110.0; 48; 30Alp Hya ; 1.98; 4100;occ; 220; 0;35085
 4; 434.3; 15-NOV-2008 04:43:20; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;35086
 5; 691.7; 15-NOV-2008 04:47:37; Dark ; 66.0; 117; Pi Pup ; 2.71; 3800;occ; 132; 0;35086
 6; 797.9; 15-NOV-2008 04:49:24; Dark ; 77.5; 88; 31Eta CMa ; 2.45; 20000;occ; 155; 0;35086
 7; 934.6; 15-NOV-2008 04:51:40; Dark ; 81.0; 23; 21Eps CMa ; 1.50; 26000;occ; 162; 0;35086
 8; 1077.0; 15-NOV-2008 04:54:03; Dark ; 52.5; 108; Alp Col ; 2.65; 15200;occ; 105; 0;35086
 9; 1452.1; 15-NOV-2008 05:00:18; Dark ; 38.0; 47; 2Bet CMa ; 1.98; 28000;occ; 76; 0;35086
10; 1795.9; 15-NOV-2008 05:06:02; Dark ; 87.0; 7; 19Bet Ori ; 0.10; 14000;occ; 174; 0;35086
11; 1921.1; 15-NOV-2008 05:08:07; Dark ; 54.0; 125; 44Iot Ori ; 2.77; 30000;occ; 108; 0;35086
12; 2363.7; 15-NOV-2008 05:15:29; Bright; 62.5; 13; 87Alp Tau ; 0.87; 3800;occ; 125; 0;35086
13; 2558.7; 15-NOV-2008 05:18:44; Bright; 43.0; 150; 44Zet Per ; 2.89; 28000;occ; 86; 0;35086
14; 2781.0; 15-NOV-2008 05:22:27; Bright; 58.5; 114; 3Iot Aur ; 2.69; 4600;occ; 117; 0;35086
15; 3038.3; 15-NOV-2008 05:26:44; Bright; 60.5; 6; 13Alp Aur ; 0.08; 3400;occ; 121; 0;35086
16; 3221.5; 15-NOV-2008 05:29:47; Bright; 62.0; 42; 34Bet Aur ; 1.90; 10200;occ; 124; 0;35086
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 2; -905.3; 15-NOV-2008 06:01:36; Dark ; 92.0; 22; 32Alp Leo ; 1.36; 15200;occ; 184; 0;35086
 3; -113.0; 15-NOV-2008 06:14:49; Dark ; 114.5; 48; 30Alp Hya ; 1.98; 4100;occ; 229; 0;35086
 4; 436.3; 15-NOV-2008 06:23:58; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;35087
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 7; 935.9; 15-NOV-2008 06:32:18; Dark ; 81.5; 23; 21Eps CMa ; 1.50; 26000;occ; 163; 0;35087
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11; 4742.0; 15-NOV-2008 21:00:31; Bright; 47.0; 96; 68Del Leo ; 2.56; 9300;occ; 94; 0;35095
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 5; 812.9; 15-NOV-2008 21:35:38; Dark ; 80.5; 88; 31Eta CMa ; 2.45; 20000;occ; 161; 0;35096
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 7; 1083.4; 15-NOV-2008 21:40:08; Dark ; 52.5; 108; Alp Col ; 2.65; 15200;occ; 105; 0;35096
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10; 1912.3; 15-NOV-2008 21:53:57; Dark ; 86.0; 125; 44Iot Ori ; 2.77; 30000;occ; 172; 0;35096
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 4; 814.3; 15-NOV-2008 23:16:15; Dark ; 82.0; 88; 31Eta CMa ; 2.45; 20000;occ; 164; 0;35097
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15; 4852.8; 16-NOV-2008 00:23:34; Dark ; 104.0; 166; 17Eps Leo ; 2.98; 6000;occ; 208; 0;35097
16; 5146.4; 16-NOV-2008 00:28:27; Dark ; 88.0; 22; 32Alp Leo ; 1.36; 15200;occ; 176; 0;35097
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 4; 438.3; 15-NOV-2008 08:04:36; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;35088
 5; 694.0; 15-NOV-2008 08:08:52; Dark ; 61.5; 117; Pi Pup ; 2.71; 3800;occ; 123; 0;35088
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 5; 2778.4; 15-NOV-2008 08:43:36; Bright; 60.5; 114; 3Iot Aur ; 2.69; 4600;occ; 121; 0;35088
 6; 3036.2; 15-NOV-2008 08:47:54; Bright; 56.0; 6; 13Alp Aur ; 0.08; 3400;occ; 112; 0;35088
 7; 3218.6; 15-NOV-2008 08:50:56; Bright; 60.0; 42; 34Bet Aur ; 1.90; 10200;occ; 120; 0;35088
 8; 4739.4; 15-NOV-2008 09:16:17; Bright; 45.0; 96; 68Del Leo ; 2.56; 9300;occ; 90; 0;35088
 9; 4843.6; 15-NOV-2008 09:18:01; Dark ; 93.0; 166; 17Eps Leo ; 2.98; 6000;occ; 186; 0;35088
10; 5133.4; 15-NOV-2008 09:22:51; Dark ; 86.5; 22; 32Alp Leo ; 1.36; 15200;occ; 173; 0;35088
11; 5928.9; 15-NOV-2008 09:36:06; Dark ; 110.5; 48; 30Alp Hya ; 1.98; 4100;occ; 221; 0;35088
12; 6476.2; 15-NOV-2008 09:45:14; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;35088
13; 6731.0; 15-NOV-2008 09:49:29; Dark ; 63.0; 117; Pi Pup ; 2.71; 3800;occ; 126; 0;35088
14; 6838.4; 15-NOV-2008 09:51:16; Dark ; 79.0; 88; 31Eta CMa ; 2.45; 20000;occ; 158; 0;35088
15; 6974.3; 15-NOV-2008 09:53:32; Dark ; 80.5; 23; 21Eps CMa ; 1.50; 26000;occ; 161; 0;35088
16; 7115.0; 15-NOV-2008 09:55:53; Dark ; 50.5; 108; Alp Col ; 2.65; 15200;occ; 101; 0;35088
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 4; 2558.6; 15-NOV-2008 10:20:32; Bright; 42.0; 150; 44Zet Per ; 2.89; 28000;occ; 84; 0;35089
 5; 2777.3; 15-NOV-2008 10:24:11; Bright; 58.5; 114; 3Iot Aur ; 2.69; 4600;occ; 117; 0;35089
 6; 3035.1; 15-NOV-2008 10:28:29; Bright; 56.5; 6; 13Alp Aur ; 0.08; 3400;occ; 113; 0;35089
 7; 3217.1; 15-NOV-2008 10:31:31; Bright; 60.0; 42; 34Bet Aur ; 1.90; 10200;occ; 120; 0;35089
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10; 5134.8; 15-NOV-2008 11:03:28; Dark ; 87.5; 22; 32Alp Leo ; 1.36; 15200;occ; 175; 0;35089
11; 5932.0; 15-NOV-2008 11:16:45; Dark ; 115.0; 48; 30Alp Hya ; 1.98; 4100;occ; 230; 0;35089
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16; 7115.6; 15-NOV-2008 11:36:29; Dark ; 51.0; 108; Alp Col ; 2.65; 15200;occ; 102; 0;35089
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 5; 2774.9; 15-NOV-2008 13:45:20; Bright; 58.5; 114; 3Iot Aur ; 2.69; 4600;occ; 117; 0;35091
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 7; 3213.2; 15-NOV-2008 15:33:14; Bright; 62.0; 42; 34Bet Aur ; 1.90; 10200;occ; 124; 0;35092
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 9; 4847.8; 15-NOV-2008 16:00:29; Dark ; 96.5; 166; 17Eps Leo ; 2.98; 6000;occ; 193; 0;35092
 10; 5139.2; 15-NOV-2008 16:05:20; Dark ; 93.0; 22; 32Alp Leo ; 1.36; 15200;occ; 186; 0;35092
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 12; 6484.4; 15-NOV-2008 16:27:46; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;35092
 13; 6736.0; 15-NOV-2008 16:31:57; Dark ; 65.0; 117; Pi Pup ; 2.71; 3800;occ; 130; 0;35092
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 15; 6979.4; 15-NOV-2008 16:36:01; Dark ; 85.5; 23; 21Eps CMA ; 1.50; 26000;occ; 171; 0;35092
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3; 460.4; 16-NOV-2008 02:31:33; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;35099
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9; 1086.0; 16-NOV-2008 04:22:35; Dark ; 52.0; 108; Alp Col ; 2.65; 15200;occ; 104; 0;35100
10; 1456.7; 16-NOV-2008 04:28:45; Dark ; 66.0; 47; 2Bet CMA ; 1.98; 28000;occ; 132; 0;35100
11; 1791.0; 16-NOV-2008 04:34:20; Dark ; 84.5; 7; 19Bet Ori ; 0.10; 14000;occ; 169; 0;35100
12; 1909.2; 16-NOV-2008 04:36:18; Dark ; 93.0; 125; 44Iot Ori ; 2.77; 30000;occ; 186; 0;35100
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6; 821.8; 16-NOV-2008 07:39:22; Dark ; 77.5; 88; 31Eta CMa ; 2.45; 20000;occ; 155; 0;35102
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5; 2017.9; 20-NOV-2008 20:58:14; Dark ; 89.0; 30; 46Eps Ori ; 1.69; 30000;occ; 178; 0;35167
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9; 3114.0; 20-NOV-2008 21:16:30; Bright; 59.0; 42; 34Bet Aur ; 1.90; 10200;occ; 118; 0;35167
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12; 3112.8; 20-NOV-2008 22:57:05; Bright; 56.5; 42; 34Bet Aur ; 1.90; 10200;occ; 113; 0;35168
13; 4214.3; 20-NOV-2008 23:15:26; Bright; 47.0; 174; 52Psi UMa ; 3.00; 4400;occ; 94; 0;35168
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7; 4215.5; 20-NOV-2008 09:50:40; Bright; 46.0; 174; 52Psi UMa ; 3.00; 4400;occ; 92; 0;35160
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13; 7058.3; 20-NOV-2008 13:59:14; Dark ; 78.5; 23; 21Eps CMA ; 1.50; 26000;occ; 157; 0;35162
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3; 2021.4; 20-NOV-2008 14:15:53; Dark ; 89.0; 30; 46Eps Ori ; 1.69; 30000;occ; 178; 0;35163
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13; 6628.4; 20-NOV-2008 18:53:52; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;35165
14; 6818.5; 20-NOV-2008 18:57:03; Dark ; 65.0; 117; Pi Pup ; 2.71; 3800;occ; 130; 0;35165
15; 7061.6; 20-NOV-2008 19:01:06; Dark ; 78.0; 23; 21Eps CMA ; 1.50; 26000;occ; 156; 0;35165
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 3; 1475.0; 20-NOV-2008 19:08:35; Dark ; 90.5; 47; 2Bet CMA ; 1.98; 28000;occ; 181; 0;35166
 4; 1772.8; 20-NOV-2008 19:13:33; Dark ; 82.5; 7; 19Bet Ori ; 0.10; 14000;occ; 165; 0;35166
 5; 2018.7; 20-NOV-2008 19:17:39; Dark ; 87.5; 30; 46Eps Ori ; 1.69; 30000;occ; 175; 0;35166
 6; 2301.7; 20-NOV-2008 19:22:22; Bright; 57.5; 13; 87Alp Tau ; 0.87; 3800;occ; 115; 0;35166
 7; 2694.4; 20-NOV-2008 19:28:55; Bright; 51.5; 114; 3Iot Aur ; 2.69; 4600;occ; 103; 0;35166
 8; 2959.8; 20-NOV-2008 19:33:20; Bright; 74.0; 6; 13Alp Aur ; 0.08; 3400;occ; 148; 0;35166
 9; 3115.3; 20-NOV-2008 19:35:55; Bright; 54.0; 42; 34Bet Aur ; 1.90; 10200;occ; 108; 0;35166
10; 4214.6; 20-NOV-2008 19:54:15; Bright; 48.0; 174; 52Psi UMa ; 3.00; 4400;occ; 96; 0;35166
11; 4773.5; 20-NOV-2008 20:03:34; Bright; 63.5; 96; 68Del Leo ; 2.56; 9300;occ; 127; 0;35166
12; 4935.7; 20-NOV-2008 20:06:16; Dark ; 102.5; 51; 41Gam1Leo ; 2.01; 4500;occ; 205; 0;35166
13; 5273.2; 20-NOV-2008 20:11:53; Dark ; 97.0; 22; 32Alp Leo ; 1.36; 15200;occ; 194; 0;35166
14; 6630.2; 20-NOV-2008 20:34:30; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;35166
15; 6819.5; 20-NOV-2008 20:37:40; Dark ; 66.0; 117; Pi Pup ; 2.71; 3800;occ; 132; 0;35166
16; 7062.7; 20-NOV-2008 20:41:43; Dark ; 49.0; 23; 21Eps CMA ; 1.50; 26000;occ; 98; 0;35166
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 4; 1029.8; 21-NOV-2008 01:43:33; Dark ; 79.0; 23; 21Eps CMA ; 1.50; 26000;occ; 158; 0;35170
 5; 1168.8; 21-NOV-2008 01:45:53; Dark ; 89.5; 179; 240mi2CMA ; 3.03; 24000;occ; 179; 0;35170
 6; 1475.9; 21-NOV-2008 01:51:00; Dark ; 92.5; 47; 2Bet CMA ; 1.98; 28000;occ; 185; 0;35170
 7; 1771.8; 21-NOV-2008 01:55:55; Dark ; 70.5; 7; 19Bet Ori ; 0.10; 14000;occ; 141; 0;35170
 8; 2015.2; 21-NOV-2008 01:59:59; Dark ; 83.0; 30; 46Eps Ori ; 1.69; 30000;occ; 166; 0;35170
 9; 2299.1; 21-NOV-2008 02:04:43; Bright; 56.5; 13; 87Alp Tau ; 0.87; 3800;occ; 113; 0;35170
10; 2690.7; 21-NOV-2008 02:11:14; Bright; 51.0; 114; 3Iot Aur ; 2.69; 4600;occ; 102; 0;35170
11; 2955.9; 21-NOV-2008 02:15:40; Bright; 52.0; 6; 13Alp Aur ; 0.08; 3400;occ; 104; 0;35170
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4; -753.3; 21-NOV-2008 02:54:26; Dark ; 80.0; 22; 32Alp Leo ; 1.36; 15200;occ; 160; 0;35170
5; 602.0; 21-NOV-2008 03:17:02; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;35171
6; 787.9; 21-NOV-2008 03:20:08; Dark ; 67.0; 117; Pi Pup ; 2.71; 3800;occ; 134; 0;35171
7; 1030.8; 21-NOV-2008 03:24:10; Dark ; 78.5; 23; 21Eps CMA ; 1.50; 26000;occ; 157; 0;35171
8; 1169.8; 21-NOV-2008 03:26:29; Dark ; 86.0; 179; 240mi2CMA ; 3.03; 24000;occ; 172; 0;35171
9; 1476.3; 21-NOV-2008 03:31:36; Dark ; 93.0; 47; 2Bet CMA ; 1.98; 28000;occ; 186; 0;35171
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13; 2689.7; 21-NOV-2008 03:51:49; Bright; 52.0; 114; 3Iot Aur ; 2.69; 4600;occ; 104; 0;35171
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2; -1259.8; 21-NOV-2008 04:26:36; Bright; 60.0; 96; 68Del Leo ; 2.56; 9300;occ; 120; 0;35171
3; -1094.5; 21-NOV-2008 04:29:21; Dark ; 105.5; 51; 41Gam1Leo ; 2.01; 4500;occ; 211; 0;35171
4; -751.1; 21-NOV-2008 04:35:05; Dark ; 80.0; 22; 32Alp Leo ; 1.36; 15200;occ; 160; 0;35171
5; 603.8; 21-NOV-2008 04:57:39; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;35172
6; 788.9; 21-NOV-2008 05:00:45; Dark ; 65.0; 117; Pi Pup ; 2.71; 3800;occ; 130; 0;35172
7; 1031.8; 21-NOV-2008 05:04:47; Dark ; 75.0; 23; 21Eps CMA ; 1.50; 26000;occ; 150; 0;35172
8; 1170.7; 21-NOV-2008 05:07:06; Dark ; 90.0; 179; 240mi2CMA ; 3.03; 24000;occ; 180; 0;35172
9; 1476.7; 21-NOV-2008 05:12:12; Dark ; 90.5; 47; 2Bet CMA ; 1.98; 28000;occ; 181; 0;35172
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11; 2013.6; 21-NOV-2008 05:21:09; Dark ; 83.5; 30; 46Eps Ori ; 1.69; 30000;occ; 167; 0;35172
12; 2297.9; 21-NOV-2008 05:25:54; Bright; 57.0; 13; 87Alp Tau ; 0.87; 3800;occ; 114; 0;35172
13; 2688.9; 21-NOV-2008 05:32:25; Bright; 53.0; 114; 3Iot Aur ; 2.69; 4600;occ; 106; 0;35172
14; 2954.4; 21-NOV-2008 05:36:50; Bright; 52.0; 6; 13Alp Aur ; 0.08; 3400;occ; 104; 0;35172
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2; 1040.8; 21-NOV-2008 20:10:20; Dark ; 78.0; 23; 21Eps CMA ; 1.50; 26000;occ; 156; 0;35181
3; 1179.3; 21-NOV-2008 20:12:39; Dark ; 86.5; 179; 240mi2CMA ; 3.03; 24000;occ; 173; 0;35181
4; 1478.7; 21-NOV-2008 20:17:38; Dark ; 85.5; 47; 2Bet CMA ; 1.98; 28000;occ; 171; 0;35181
5; 1769.7; 21-NOV-2008 20:22:29; Dark ; 68.5; 7; 19Bet Ori ; 0.10; 14000;occ; 137; 0;35181
6; 2006.2; 21-NOV-2008 20:26:25; Dark ; 84.5; 30; 46Eps Ori ; 1.69; 30000;occ; 169; 0;35181
7; 2292.3; 21-NOV-2008 20:31:11; Bright; 54.5; 13; 87Alp Tau ; 0.87; 3800;occ; 109; 0;35181
8; 2680.5; 21-NOV-2008 20:37:40; Bright; 52.0; 114; 3Iot Aur ; 2.69; 4600;occ; 104; 0;35181
9; 2946.3; 21-NOV-2008 20:42:06; Bright; 51.5; 6; 13Alp Aur ; 0.08; 3400;occ; 103; 0;35181
10; 3096.9; 21-NOV-2008 20:44:36; Bright; 57.5; 42; 34Bet Aur ; 1.90; 10200;occ; 115; 0;35181
11; 4212.5; 21-NOV-2008 21:03:12; Bright; 48.0; 174; 52Psi UMa ; 3.00; 4400;occ; 96; 0;35181
12; 4781.0; 21-NOV-2008 21:12:40; Bright; 53.5; 96; 68Del Leo ; 2.56; 9300;occ; 107; 0;35181
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2; 8.5; 21-NOV-2008 21:33:44; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;35182
3; 569.6; 21-NOV-2008 21:43:05; Dark ; 55.0; 70; Zet Pup ; 2.25; 39000;occ; 110; 0;35182
4; 799.4; 21-NOV-2008 21:46:55; Dark ; 69.0; 117; Pi Pup ; 2.71; 3800;occ; 138; 0;35182
5; 1041.8; 21-NOV-2008 21:50:57; Dark ; 74.5; 23; 21Eps CMA ; 1.50; 26000;occ; 149; 0;35182
6; 1180.3; 21-NOV-2008 21:53:15; Dark ; 84.0; 179; 240mi2CMA ; 3.03; 24000;occ; 168; 0;35182
7; 1479.0; 21-NOV-2008 21:58:14; Dark ; 87.0; 47; 2Bet CMA ; 1.98; 28000;occ; 174; 0;35182
8; 1769.4; 21-NOV-2008 22:03:05; Dark ; 67.5; 7; 19Bet Ori ; 0.10; 14000;occ; 135; 0;35182
9; 2005.4; 21-NOV-2008 22:07:01; Dark ; 83.0; 30; 46Eps Ori ; 1.69; 30000;occ; 166; 0;35182
10; 2291.7; 21-NOV-2008 22:11:47; Bright; 57.0; 13; 87Alp Tau ; 0.87; 3800;occ; 114; 0;35182
11; 2679.6; 21-NOV-2008 22:18:15; Bright; 50.0; 114; 3Iot Aur ; 2.69; 4600;occ; 100; 0;35182
12; 2945.4; 21-NOV-2008 22:22:41; Bright; 51.5; 6; 13Alp Aur ; 0.08; 3400;occ; 103; 0;35182
13; 3095.6; 21-NOV-2008 22:25:11; Bright; 58.0; 42; 34Bet Aur ; 1.90; 10200;occ; 116; 0;35182
14; 4212.3; 21-NOV-2008 22:43:47; Bright; 48.5; 174; 52Psi UMa ; 3.00; 4400;occ; 97; 0;35182
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16; 4954.5; 21-NOV-2008 22:56:10; Dark ; 108.5; 51; 41Gam1Leo ; 2.01; 4500;occ; 217; 0;35182
17; 5312.2; 21-NOV-2008 23:02:07; Dark ; 27.5; 22; 32Alp Leo ; 1.36; 15200;occ; 55; 0;35182
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2; 10.9; 21-NOV-2008 23:14:22; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;35183
3; 570.7; 21-NOV-2008 23:23:42; Dark ; 52.5; 70; Zet Pup ; 2.25; 39000;occ; 105; 0;35183
4; 800.4; 21-NOV-2008 23:27:31; Dark ; 73.0; 117; Pi Pup ; 2.71; 3800;occ; 146; 0;35183
5; 1042.7; 21-NOV-2008 23:31:34; Dark ; 74.5; 23; 21Eps CMA ; 1.50; 26000;occ; 149; 0;35183

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7; 1479.2; 21-NOV-2008 23:38:50; Dark ; 88.0; 47; 2Bet CMA ; 1.98; 28000;occ; 176; 0;35183
8; 1769.2; 21-NOV-2008 23:43:40; Dark ; 67.5; 7; 19Bet Ori ; 0.10; 14000;occ; 135; 0;35183
9; 2004.6; 21-NOV-2008 23:47:36; Dark ; 85.0; 30; 46Eps Ori ; 1.69; 30000;occ; 170; 0;35183
10; 2291.1; 21-NOV-2008 23:52:22; Bright; 56.5; 13; 87Alp Tau ; 0.87; 3800;occ; 113; 0;35183
11; 2678.7; 21-NOV-2008 23:58:50; Bright; 52.5; 114; 3Iot Aur ; 2.69; 4600;occ; 105; 0;35183
12; 2944.5; 22-NOV-2008 00:03:15; Bright; 51.0; 6; 13Alp Aur ; 0.08; 3400;occ; 102; 0;35183
13; 3094.4; 22-NOV-2008 00:05:45; Bright; 57.0; 42; 34Bet Aur ; 1.90; 10200;occ; 114; 0;35183
14; 4212.1; 22-NOV-2008 00:24:23; Bright; 47.0; 174; 52Psi UMa ; 3.00; 4400;occ; 94; 0;35183
15; 4781.9; 22-NOV-2008 00:33:53; Bright; 54.0; 96; 68Del Leo ; 2.56; 9300;occ; 108; 0;35183
16; 4955.8; 22-NOV-2008 00:36:47; Dark ; 105.0; 51; 41Gam1Leo ; 2.01; 4500;occ; 210; 0;35183
17; 5314.9; 22-NOV-2008 00:42:46; Dark ; 27.5; 22; 32Alp Leo ; 1.36; 15200;occ; 55; 0;35183

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3; 2297.3; 21-NOV-2008 07:06:29; Bright; 57.0; 13; 87Alp Tau ; 0.87; 3800;occ; 114; 0;35173
4; 2687.9; 21-NOV-2008 07:13:00; Bright; 54.5; 114; 3Iot Aur ; 2.69; 4600;occ; 109; 0;35173
5; 2953.5; 21-NOV-2008 07:17:25; Bright; 74.0; 6; 13Alp Aur ; 0.08; 3400;occ; 148; 0;35173
6; 3106.7; 21-NOV-2008 07:19:58; Bright; 56.5; 42; 34Bet Aur ; 1.90; 10200;occ; 113; 0;35173
7; 4213.6; 21-NOV-2008 07:38:25; Bright; 46.5; 174; 52Psi UMa ; 3.00; 4400;occ; 93; 0;35173
8; 4777.0; 21-NOV-2008 07:47:49; Bright; 78.0; 96; 68Del Leo ; 2.56; 9300;occ; 156; 0;35173
9; 4943.8; 21-NOV-2008 07:50:35; Dark ; 104.0; 51; 41Gam1Leo ; 2.01; 4500;occ; 208; 0;35173
10; 5289.7; 21-NOV-2008 07:56:21; Dark ; 72.0; 22; 32Alp Leo ; 1.36; 15200;occ; 144; 0;35173
11; 6643.6; 21-NOV-2008 08:18:55; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;35173
12; 6827.0; 21-NOV-2008 08:21:59; Dark ; 62.0; 117; Pi Pup ; 2.71; 3800;occ; 124; 0;35173
13; 7069.7; 21-NOV-2008 08:26:01; Dark ; 74.5; 23; 21Eps CMA ; 1.50; 26000;occ; 149; 0;35173
14; 7208.6; 21-NOV-2008 08:28:20; Dark ; 87.5; 179; 240mi2CMA ; 3.03; 24000;occ; 175; 0;35173
15; 7512.9; 21-NOV-2008 08:33:25; Dark ; 95.0; 47; 2Bet CMA ; 1.98; 28000;occ; 190; 0;35173
16; 7806.9; 21-NOV-2008 08:38:19; Dark ; 26.0; 7; 19Bet Ori ; 0.10; 14000;occ; 52; 0;35173

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3; 2296.6; 21-NOV-2008 08:47:04; Bright; 56.0; 13; 87Alp Tau ; 0.87; 3800;occ; 112; 0;35174
4; 2687.0; 21-NOV-2008 08:53:35; Bright; 53.0; 114; 3Iot Aur ; 2.69; 4600;occ; 106; 0;35174
5; 2952.5; 21-NOV-2008 08:58:00; Bright; 52.5; 6; 13Alp Aur ; 0.08; 3400;occ; 105; 0;35174
6; 3105.4; 21-NOV-2008 09:00:33; Bright; 58.5; 42; 34Bet Aur ; 1.90; 10200;occ; 117; 0;35174
7; 4213.6; 21-NOV-2008 09:19:01; Bright; 48.0; 174; 52Psi UMa ; 3.00; 4400;occ; 96; 0;35174
8; 4777.4; 21-NOV-2008 09:28:25; Bright; 53.5; 96; 68Del Leo ; 2.56; 9300;occ; 107; 0;35174
9; 4945.0; 21-NOV-2008 09:31:13; Dark ; 101.0; 51; 41Gam1Leo ; 2.01; 4500;occ; 202; 0;35174
10; 5292.2; 21-NOV-2008 09:37:00; Dark ; 63.0; 22; 32Alp Leo ; 1.36; 15200;occ; 126; 0;35174
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3; 1034.8; 21-NOV-2008 10:06:38; Dark ; 76.5; 23; 21Eps CMA ; 1.50; 26000;occ; 153; 0;35175
4; 1173.6; 21-NOV-2008 10:08:57; Dark ; 86.5; 179; 240mi2CMA ; 3.03; 24000;occ; 173; 0;35175
5; 1477.2; 21-NOV-2008 10:14:01; Dark ; 90.5; 47; 2Bet CMA ; 1.98; 28000;occ; 181; 0;35175

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4; 2686.0; 21-NOV-2008 10:34:09; Bright; 51.0; 114; 3Iot Aur ; 2.69; 4600;occ; 102; 0;35175
5; 2951.5; 21-NOV-2008 10:38:35; Bright; 52.0; 6; 13Alp Aur ; 0.08; 3400;occ; 104; 0;35175
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7; 4213.3; 21-NOV-2008 10:59:37; Bright; 46.5; 174; 52Psi UMa ; 3.00; 4400;occ; 93; 0;35175
8; 4777.8; 21-NOV-2008 11:09:01; Bright; 52.5; 96; 68Del Leo ; 2.56; 9300;occ; 105; 0;35175
9; 4946.1; 21-NOV-2008 11:11:50; Dark ; 99.5; 51; 41Gam1Leo ; 2.01; 4500;occ; 199; 0;35175
10; 5294.5; 21-NOV-2008 11:17:38; Dark ; 63.0; 22; 32Alp Leo ; 1.36; 15200;occ; 126; 0;35175
11; 6647.3; 21-NOV-2008 11:40:11; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;35175
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13; 7071.7; 21-NOV-2008 11:47:15; Dark ; 78.5; 23; 21Eps CMA ; 1.50; 26000;occ; 157; 0;35175
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7; 3100.6; 21-NOV-2008 15:42:52; Bright; 58.0; 42; 34Bet Aur ; 1.90; 10200;occ; 116; 0;35178
8; 4213.0; 21-NOV-2008 16:01:24; Bright; 46.0; 174; 52Psi UMa ; 3.00; 4400;occ; 92; 0;35178
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3; 797.4; 21-NOV-2008 18:25:41; Dark ; 58.5; 117; Pi Pup ; 2.71; 3800;occ; 117; 0;35180
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3; 1478.4; 21-NOV-2008 18:37:02; Dark ; 87.5; 47; 2Bet CMA ; 1.98; 28000;occ; 175; 0;35180
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6; 2293.0; 21-NOV-2008 18:50:36; Bright; 57.0; 13; 87Alp Tau ; 0.87; 3800;occ; 114; 0;35180
7; 2681.6; 21-NOV-2008 18:57:05; Bright; 52.0; 114; 3Iot Aur ; 2.69; 4600;occ; 104; 0;35180
8; 2947.2; 21-NOV-2008 19:01:30; Bright; 52.5; 6; 13Alp Aur ; 0.08; 3400;occ; 105; 0;35180
9; 3098.1; 21-NOV-2008 19:04:01; Bright; 54.5; 42; 34Bet Aur ; 1.90; 10200;occ; 109; 0;35180
10; 4212.7; 21-NOV-2008 19:22:36; Bright; 48.0; 174; 52Psi UMa ; 3.00; 4400;occ; 96; 0;35180
11; 4780.5; 21-NOV-2008 19:32:04; Bright; 55.5; 96; 68Del Leo ; 2.56; 9300;occ; 111; 0;35180
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14; 6042.2; 21-NOV-2008 19:53:05; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;35180
15; 6604.4; 21-NOV-2008 20:02:28; Dark ; 58.0; 70; Zet Pup ; 2.25; 39000;occ; 116; 0;35180
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13; 4212.1; 22-NOV-2008 02:04:59; Bright; 45.5; 174; 52Psi UMa ; 3.00; 4400;occ; 91; 0;35184
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4; 802.6; 22-NOV-2008 02:48:45; Dark ; 62.0; 117; Pi Pup ; 2.71; 3800;occ; 124; 0;35185
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4; 17.9; 22-NOV-2008 04:16:17; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;35186
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7; 1085.0; 25-NOV-2008 04:39:49; Dark ; 73.0; 23; 21Eps CMa ; 1.50; 26000;occ; 146; 0;35229
8; 1220.9; 25-NOV-2008 04:42:05; Dark ; 80.0; 179; 240mi2CMa ; 3.03; 24000;occ; 160; 0;35229
9; 1520.0; 25-NOV-2008 04:47:04; Dark ; 110.0; 1; 9Alp CMa ; -1.44; 11000;occ; 220; 0;35229
10; 1761.3; 25-NOV-2008 04:51:05; Dark ; 68.5; 7; 19Bet Ori ; 0.10; 14000;occ; 137; 0;35229

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13; 2299.1; 25-NOV-2008 05:00:03; Bright; 86.0; 14; 58Alp Ori ; 0.87; 3000;occ; 172; 0;35229
14; 2639.9; 25-NOV-2008 05:05:44; Bright; 48.0; 114; 3Iot Aur ; 2.69; 4600;occ; 96; 0;35229
15; 2906.1; 25-NOV-2008 05:10:10; Bright; 50.0; 6; 13Alp Aur ; 0.08; 3400;occ; 100; 0;35229
16; 3040.7; 25-NOV-2008 05:12:25; Bright; 54.0; 42; 34Bet Aur ; 1.90; 10200;occ; 108; 0;35229
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 3; -1013.8; 25-NOV-2008 05:45:26; Dark ; 64.0; 51; 41Gam1Leo ; 2.01; 4500;occ; 128; 0;35229
 4; 126.4; 25-NOV-2008 06:04:26; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;35230
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 6; 847.9; 25-NOV-2008 06:16:28; Dark ; 63.0; 117; Pi Pup ; 2.71; 3800;occ; 126; 0;35230
 7; 1085.8; 25-NOV-2008 06:20:26; Dark ; 71.0; 23; 21Eps CMa ; 1.50; 26000;occ; 142; 0;35230
 8; 1221.8; 25-NOV-2008 06:22:42; Dark ; 83.0; 179; 240mi2CMa ; 3.03; 24000;occ; 166; 0;35230
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12; 2148.3; 25-NOV-2008 06:38:08; Dark ; 76.5; 27; 24Gam Ori ; 1.64; 26000;occ; 153; 0;35230
13; 2265.3; 25-NOV-2008 06:40:05; Bright; 53.5; 13; 87Alp Tau ; 0.87; 3800;occ; 107; 0;35230
14; 2639.0; 25-NOV-2008 06:46:19; Bright; 48.0; 114; 3Iot Aur ; 2.69; 4600;occ; 96; 0;35230
15; 2905.3; 25-NOV-2008 06:50:45; Bright; 48.5; 6; 13Alp Aur ; 0.08; 3400;occ; 97; 0;35230
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 4; 129.0; 25-NOV-2008 07:45:05; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;35231
 5; 626.1; 25-NOV-2008 07:53:22; Dark ; 57.0; 70; Zet Pup ; 2.25; 39000;occ; 114; 0;35231
 6; 848.9; 25-NOV-2008 07:57:05; Dark ; 59.5; 117; Pi Pup ; 2.71; 3800;occ; 119; 0;35231
 7; 1086.7; 25-NOV-2008 08:01:03; Dark ; 68.5; 23; 21Eps CMa ; 1.50; 26000;occ; 137; 0;35231
 8; 1222.4; 25-NOV-2008 08:03:18; Dark ; 81.0; 179; 240mi2CMa ; 3.03; 24000;occ; 162; 0;35231
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 3; 2147.4; 25-NOV-2008 08:18:43; Dark ; 67.0; 27; 24Gam Ori ; 1.64; 26000;occ; 134; 0;35231
 4; 2264.9; 25-NOV-2008 08:20:41; Bright; 53.5; 13; 87Alp Tau ; 0.87; 3800;occ; 107; 0;35231
 5; 2638.2; 25-NOV-2008 08:26:54; Bright; 48.5; 114; 3Iot Aur ; 2.69; 4600;occ; 97; 0;35231
 6; 2904.5; 25-NOV-2008 08:31:21; Bright; 70.0; 6; 13Alp Aur ; 0.08; 3400;occ; 140; 0;35231
 7; 3038.4; 25-NOV-2008 08:33:34; Bright; 54.5; 42; 34Bet Aur ; 1.90; 10200;occ; 109; 0;35231
 8; 4204.4; 25-NOV-2008 08:53:00; Bright; 49.0; 174; 52Psi UMa ; 3.00; 4400;occ; 98; 0;35231
 9; 4808.5; 25-NOV-2008 09:03:05; Bright; 59.5; 96; 68Del Leo ; 2.56; 9300;occ; 119; 0;35231
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13; 6885.7; 25-NOV-2008 09:37:42; Dark ; 58.5; 117; Pi Pup ; 2.71; 3800;occ; 117; 0;35231
14; 7123.4; 25-NOV-2008 09:41:39; Dark ; 73.5; 23; 21Eps CMa ; 1.50; 26000;occ; 147; 0;35231
15; 7259.0; 25-NOV-2008 09:43:55; Dark ; 82.0; 179; 240mi2CMa ; 3.03; 24000;occ; 164; 0;35231
16; 7556.2; 25-NOV-2008 09:48:52; Dark ; 109.5; 1; 9Alp CMa ; -1.44; 11000;occ; 219; 0;35231
17; 7796.7; 25-NOV-2008 09:52:53; Dark ; 50.5; 7; 19Bet Ori ; 0.10; 14000;occ; 101; 0;35231
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 2; 1971.0; 25-NOV-2008 09:56:23; Dark ; 68.5; 30; 46Eps Ori ; 1.69; 30000;occ; 137; 0;35232
 3; 2146.6; 25-NOV-2008 09:59:18; Dark ; 67.0; 27; 24Gam Ori ; 1.64; 26000;occ; 134; 0;35232
 4; 2264.4; 25-NOV-2008 10:01:16; Bright; 51.0; 13; 87Alp Tau ; 0.87; 3800;occ; 102; 0;35232
 5; 2637.5; 25-NOV-2008 10:07:29; Bright; 50.0; 114; 3Iot Aur ; 2.69; 4600;occ; 100; 0;35232
 6; 2903.7; 25-NOV-2008 10:11:56; Bright; 52.5; 6; 13Alp Aur ; 0.08; 3400;occ; 105; 0;35232
 7; 3037.4; 25-NOV-2008 10:14:09; Bright; 54.5; 42; 34Bet Aur ; 1.90; 10200;occ; 109; 0;35232
 8; 4204.2; 25-NOV-2008 10:33:36; Bright; 47.5; 174; 52Psi UMa ; 3.00; 4400;occ; 95; 0;35232
 9; 4809.2; 25-NOV-2008 10:43:41; Bright; 58.5; 96; 68Del Leo ; 2.56; 9300;occ; 117; 0;35232
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11; 6170.0; 25-NOV-2008 11:06:22; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;35232
12; 6664.3; 25-NOV-2008 11:14:36; Dark ; 53.5; 70; Zet Pup ; 2.25; 39000;occ; 107; 0;35232
13; 6886.6; 25-NOV-2008 11:18:19; Dark ; 60.5; 117; Pi Pup ; 2.71; 3800;occ; 121; 0;35232
14; 7124.4; 25-NOV-2008 11:22:16; Dark ; 69.0; 23; 21Eps CMa ; 1.50; 26000;occ; 138; 0;35232
15; 7259.9; 25-NOV-2008 11:24:32; Dark ; 77.0; 179; 240mi2CMa ; 3.03; 24000;occ; 154; 0;35232
16; 7556.3; 25-NOV-2008 11:29:28; Dark ; 115.5; 1; 9Alp CMa ; -1.44; 11000;occ; 231; 0;35232

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 3; 1970.4; 25-NOV-2008 11:36:58; Dark ; 73.0; 30; 46Eps Ori ; 1.69; 30000;occ; 146; 0;35233
 4; 2145.9; 25-NOV-2008 11:39:54; Dark ; 74.0; 27; 24Gam Ori ; 1.64; 26000;occ; 148; 0;35233
 5; 2263.8; 25-NOV-2008 11:41:52; Bright; 53.0; 13; 87Alp Tau ; 0.87; 3800;occ; 106; 0;35233
 6; 2636.7; 25-NOV-2008 11:48:05; Bright; 49.5; 114; 3Iot Aur ; 2.69; 4600;occ; 99; 0;35233
 7; 2902.9; 25-NOV-2008 11:52:31; Bright; 48.5; 6; 13Alp Aur ; 0.08; 3400;occ; 97; 0;35233
 8; 3036.2; 25-NOV-2008 11:54:44; Bright; 54.5; 42; 34Bet Aur ; 1.90; 10200;occ; 109; 0;35233
 9; 4203.9; 25-NOV-2008 12:14:12; Bright; 47.5; 174; 52Psi UMa ; 3.00; 4400;occ; 95; 0;35233
 10; 4809.7; 25-NOV-2008 12:24:18; Bright; 59.5; 96; 68Del Leo ; 2.56; 9300;occ; 119; 0;35233
 11; 5028.8; 25-NOV-2008 12:27:57; Dark ; 48.0; 51; 41Gam1Leo ; 2.01; 4500;occ; 96; 0;35233
 12; 6172.6; 25-NOV-2008 12:47:00; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;35233
 13; 6665.5; 25-NOV-2008 12:55:13; Dark ; 55.0; 70; Zet Pup ; 2.25; 39000;occ; 110; 0;35233
 14; 6887.5; 25-NOV-2008 12:58:55; Dark ; 55.5; 117; Pi Pup ; 2.71; 3800;occ; 111; 0;35233
 15; 7125.1; 25-NOV-2008 13:02:53; Dark ; 73.5; 23; 21Eps CMA ; 1.50; 26000;occ; 147; 0;35233
 16; 7260.7; 25-NOV-2008 13:05:09; Dark ; 81.5; 179; 240mi2CMA ; 3.03; 24000;occ; 163; 0;35233
 17; 7556.5; 25-NOV-2008 13:10:04; Dark ; 24.0; 1; 9Alp CMA ; -1.44; 11000;occ; 48; 0;35233

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 2; 1227.7; 25-NOV-2008 19:47:35; Dark ; 81.5; 179; 240mi2CMA ; 3.03; 24000;occ; 163; 0;35238
 3; 1521.0; 25-NOV-2008 19:52:29; Dark ; 102.0; 1; 9Alp CMA ; -1.44; 11000;occ; 204; 0;35238
 4; 1760.0; 25-NOV-2008 19:56:28; Dark ; 63.5; 7; 19Bet Ori ; 0.10; 14000;occ; 127; 0;35238
 5; 1967.4; 25-NOV-2008 19:59:55; Dark ; 72.0; 30; 46Eps Ori ; 1.69; 30000;occ; 144; 0;35238
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 9; 2899.0; 25-NOV-2008 20:15:27; Bright; 49.5; 6; 13Alp Aur ; 0.08; 3400;occ; 99; 0;35238
 10; 3030.7; 25-NOV-2008 20:17:38; Bright; 55.0; 42; 34Bet Aur ; 1.90; 10200;occ; 110; 0;35238
 11; 4202.9; 25-NOV-2008 20:37:11; Bright; 52.5; 174; 52Psi UMa ; 3.00; 4400;occ; 105; 0;35238
 12; 4812.8; 25-NOV-2008 20:47:20; Bright; 58.0; 96; 68Del Leo ; 2.56; 9300;occ; 116; 0;35238

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 3; 856.3; 25-NOV-2008 21:22:00; Dark ; 75.0; 117; Pi Pup ; 2.71; 3800;occ; 150; 0;35239
 4; 1093.4; 25-NOV-2008 21:25:57; Dark ; 75.0; 23; 21Eps CMA ; 1.50; 26000;occ; 150; 0;35239
 5; 1228.5; 25-NOV-2008 21:28:12; Dark ; 79.5; 179; 240mi2CMA ; 3.03; 24000;occ; 159; 0;35239
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 8; 1966.8; 25-NOV-2008 21:40:30; Dark ; 72.0; 30; 46Eps Ori ; 1.69; 30000;occ; 144; 0;35239
 9; 2141.2; 25-NOV-2008 21:43:25; Dark ; 86.0; 27; 24Gam Ori ; 1.64; 26000;occ; 172; 0;35239
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 12; 2898.3; 25-NOV-2008 21:56:02; Bright; 48.5; 6; 13Alp Aur ; 0.08; 3400;occ; 97; 0;35239
 13; 3029.5; 25-NOV-2008 21:58:13; Bright; 56.0; 42; 34Bet Aur ; 1.90; 10200;occ; 112; 0;35239
 14; 4202.8; 25-NOV-2008 22:17:46; Bright; 49.0; 174; 52Psi UMa ; 3.00; 4400;occ; 98; 0;35239
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 3; 857.3; 25-NOV-2008 23:02:37; Dark ; 68.0; 117; Pi Pup ; 2.71; 3800;occ; 136; 0;35240
 4; 1094.3; 25-NOV-2008 23:06:34; Dark ; 69.0; 23; 21Eps CMA ; 1.50; 26000;occ; 138; 0;35240
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 8; 1966.1; 25-NOV-2008 23:21:06; Dark ; 72.0; 30; 46Eps Ori ; 1.69; 30000;occ; 144; 0;35240
 9; 2140.5; 25-NOV-2008 23:24:00; Dark ; 75.0; 27; 24Gam Ori ; 1.64; 26000;occ; 150; 0;35240
 10; 2260.3; 25-NOV-2008 23:26:00; Bright; 61.5; 13; 87Alp Tau ; 0.87; 3800;occ; 123; 0;35240
 11; 2631.3; 25-NOV-2008 23:32:11; Bright; 50.0; 114; 3Iot Aur ; 2.69; 4600;occ; 100; 0;35240
 12; 2897.5; 25-NOV-2008 23:36:37; Bright; 47.5; 6; 13Alp Aur ; 0.08; 3400;occ; 95; 0;35240
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 14; 4202.5; 25-NOV-2008 23:58:22; Bright; 52.0; 174; 52Psi UMa ; 3.00; 4400;occ; 104; 0;35240
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 3; 1969.2; 25-NOV-2008 14:58:09; Dark ; 71.5; 30; 46Eps Ori ; 1.69; 30000;occ; 143; 0;35235
 4; 2144.4; 25-NOV-2008 15:01:04; Dark ; 80.0; 27; 24Gam Ori ; 1.64; 26000;occ; 160; 0;35235

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7; 2901.4; 25-NOV-2008 15:13:41; Bright; 50.5; 6; 13Alp Aur ; 0.08; 3400;occ; 101; 0;35235
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9; 4203.9; 25-NOV-2008 15:35:24; Bright; 47.5; 174; 52Psi UMa ; 3.00; 4400;occ; 95; 0;35235
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13; 6667.8; 25-NOV-2008 16:16:27; Dark ; 53.5; 70; Zet Pup ; 2.25; 39000;occ; 107; 0;35235
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5; 2143.7; 25-NOV-2008 16:41:39; Dark ; 76.0; 27; 24Gam Ori ; 1.64; 26000;occ; 152; 0;35236
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13; 6903.0; 26-NOV-2008 15:48:46; Dark ; 59.5; 117; Pi Pup ; 2.71; 3800;occ; 119; 0;35249
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6; 2131.8; 26-NOV-2008 19:31:03; Dark ; 71.5; 27; 24Gam Ori ; 1.64; 26000;occ; 143; 0;35252
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9; 2888.3; 26-NOV-2008 19:43:39; Bright; 50.0; 6; 13Alp Aur ; 0.08; 3400;occ; 100; 0;35252
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4; 1106.7; 27-NOV-2008 00:15:45; Dark ; 71.0; 23; 21Eps CMA ; 1.50; 26000;occ; 142; 0;35255
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4; 1107.6; 27-NOV-2008 01:56:22; Dark ; 70.5; 23; 21Eps CMA ; 1.50; 26000;occ; 141; 0;35256
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3; 883.5; 27-NOV-2008 21:59:49; Dark ; 62.0; 117; Pi Pup ; 2.71; 3800;occ; 124; 0;35268
4; 1117.1; 27-NOV-2008 22:03:43; Dark ; 70.0; 23; 21Eps CMA ; 1.50; 26000;occ; 140; 0;35268
5; 1249.7; 27-NOV-2008 22:05:55; Dark ; 73.0; 179; 240mi2CMA ; 3.03; 24000;occ; 146; 0;35268
6; 1525.0; 27-NOV-2008 22:10:31; Dark ; 104.5; 1; 9Alp CMA ; -1.44; 11000;occ; 209; 0;35268
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13; 2998.6; 27-NOV-2008 22:35:04; Bright; 53.0; 42; 34Bet Aur ; 1.90; 10200;occ; 106; 0;35268
14; 4197.0; 27-NOV-2008 22:55:03; Bright; 51.5; 174; 52Psi UMa ; 3.00; 4400;occ; 103; 0;35268
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4; 1117.9; 27-NOV-2008 23:44:19; Dark ; 68.5; 23; 21Eps CMA ; 1.50; 26000;occ; 137; 0;35269
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6; 1110.1; 27-NOV-2008 06:58:12; Dark ; 66.0; 23; 21Eps CMA ; 1.50; 26000;occ; 132; 0;35259
7; 1243.2; 27-NOV-2008 07:00:25; Dark ; 76.0; 179; 240mi2CMA ; 3.03; 24000;occ; 152; 0;35259
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8; 4199.0; 27-NOV-2008 07:49:41; Bright; 50.5; 174; 52Psi UMa ; 3.00; 4400;occ; 101; 0;35259
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13; 7146.9; 27-NOV-2008 08:38:49; Dark ; 69.5; 23; 21Eps CMA ; 1.50; 26000;occ; 139; 0;35259
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13; 6915.9; 27-NOV-2008 15:17:22; Dark ; 63.5; 117; Pi Pup ; 2.71; 3800;occ; 127; 0;35263
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13; 6928.4; 28-NOV-2008 14:45:57; Dark ; 59.0; 117; Pi Pup ; 2.71; 3800;occ; 118; 0;35277
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13; 3927.9; 28-NOV-2008 18:57:45; Bright; 66.0; 82; 48Bet UMa ; 2.37; 10600;occ; 132; 0;35280
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 8; 2474.4; 29-NOV-2008 18:01:54; Bright; 37.5; 150; 44Zet Per ; 2.89; 28000;occ; 75; 0;35294
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23; 2854.1; 30-NOV-2008 04:11:50; Bright; 49.5; 6; 13Alp Aur ; 0.08; 3400;occ; 99; 0;35300
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2;-2115.6; 30-NOV-2008 06:10:12; Bright; 43.0; 82; 48Bet UMA ; 2.37; 10600;occ; 86; 0;35301
3;-2020.5; 30-NOV-2008 06:11:47; Bright; 36.5; 32; 77Eps UMA ; 1.76; 11000;occ; 73; 0;35301
4;-1846.4; 30-NOV-2008 06:14:41; Bright; 52.0; 174; 52Psi UMA ; 3.00; 4400;occ; 104; 0;35301
5;-1688.3; 30-NOV-2008 06:17:19; Bright; 37.0; 152; 12Alp2CVn ; 2.89; 11000;occ; 74; 0;35301
6;-1118.2; 30-NOV-2008 06:26:49; Bright; 55.5; 62; 94Bet Leo ; 2.14; 9700;occ; 111; 0;35301
7; -919.8; 30-NOV-2008 06:30:08; Bright; 45.5; 121; 29Gam Vir ; 2.74; 7200;occ; 91; 0;35301
8; -581.4; 30-NOV-2008 06:35:46; Dark ; 46.5; 100; 4Gam Crv ; 2.58; 13100;occ; 93; 0;35301
9; -486.0; 30-NOV-2008 06:37:21; Dark ; 48.5; 171; 2Eps Crv ; 3.00; 4250;occ; 97; 0;35301
10; 401.2; 30-NOV-2008 06:52:09; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;35302
11; 599.4; 30-NOV-2008 06:55:27; Dark ; 46.0; 34; Gam2Vel ; 1.79; 23000;occ; 92; 0;35302
12; 703.8; 30-NOV-2008 06:57:11; Dark ; 55.0; 70; Zet Pup ; 2.25; 39000;occ; 110; 0;35302
13; 913.5; 30-NOV-2008 07:00:41; Dark ; 59.5; 117; Pi Pup ; 2.71; 3800;occ; 119; 0;35302
14; 1059.3; 30-NOV-2008 07:03:07; Dark ; 40.0; 88; 31Eta CMa ; 2.45; 20000;occ; 80; 0;35302
15; 1142.5; 30-NOV-2008 07:04:30; Dark ; 61.5; 23; 21Eps CMa ; 1.50; 26000;occ; 123; 0;35302
16; 1535.1; 30-NOV-2008 07:11:02; Dark ; 54.5; 101; 11Alp Lep ; 2.58; 7000;occ; 109; 0;35302

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2; 1936.5; 30-NOV-2008 07:17:44; Dark ; 65.0; 30; 46Eps Ori ; 1.69; 30000;occ; 130; 0;35302
3; 2100.7; 30-NOV-2008 07:20:28; Dark ; 60.5; 27; 24Gam Ori ; 1.64; 26000;occ; 121; 0;35302
4; 2234.8; 30-NOV-2008 07:22:42; Bright; 53.0; 13; 87Alp Tau ; 0.87; 3800;occ; 106; 0;35302
5; 2472.6; 30-NOV-2008 07:26:40; Bright; 37.0; 150; 44Zet Per ; 2.89; 28000;occ; 74; 0;35302
6; 2618.6; 30-NOV-2008 07:29:06; Bright; 37.0; 149; 45Eps Per ; 2.89; 30000;occ; 74; 0;35302
7; 2852.8; 30-NOV-2008 07:33:00; Bright; 47.5; 6; 13Alp Aur ; 0.08; 3400;occ; 95; 0;35302
8; 2964.4; 30-NOV-2008 07:34:52; Bright; 76.0; 42; 34Bet Aur ; 1.90; 10200;occ; 152; 0;35302
9; 3823.7; 30-NOV-2008 07:49:11; Bright; 45.0; 36; 50Alp UMA ; 1.80; 6300;occ; 90; 0;35302
10; 3920.0; 30-NOV-2008 07:50:47; Bright; 44.5; 82; 48Bet UMA ; 2.37; 10600;occ; 89; 0;35302
11; 4015.4; 30-NOV-2008 07:52:23; Bright; 38.5; 32; 77Eps UMA ; 1.76; 11000;occ; 77; 0;35302
12; 4189.4; 30-NOV-2008 07:55:17; Bright; 63.5; 174; 52Psi UMA ; 3.00; 4400;occ; 127; 0;35302
13; 4347.7; 30-NOV-2008 07:57:55; Bright; 37.0; 152; 12Alp2CVn ; 2.89; 11000;occ; 74; 0;35302
14; 4918.3; 30-NOV-2008 08:07:26; Bright; 56.5; 62; 94Bet Leo ; 2.14; 9700;occ; 113; 0;35302
15; 5116.6; 30-NOV-2008 08:10:44; Bright; 43.0; 121; 29Gam Vir ; 2.74; 7200;occ; 86; 0;35302
16; 5455.4; 30-NOV-2008 08:16:23; Dark ; 44.5; 100; 4Gam Crv ; 2.58; 13100;occ; 89; 0;35302
17; 5550.8; 30-NOV-2008 08:17:58; Dark ; 49.0; 171; 2Eps Crv ; 3.00; 4250;occ; 98; 0;35302
18; 6438.0; 30-NOV-2008 08:32:45; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;35302
19; 6636.3; 30-NOV-2008 08:36:04; Dark ; 48.0; 34; Gam2Vel ; 1.79; 23000;occ; 96; 0;35302
20; 6740.8; 30-NOV-2008 08:37:48; Dark ; 54.5; 70; Zet Pup ; 2.25; 39000;occ; 109; 0;35302
21; 6950.3; 30-NOV-2008 08:41:18; Dark ; 60.0; 117; Pi Pup ; 2.71; 3800;occ; 120; 0;35302
22; 7096.1; 30-NOV-2008 08:43:44; Dark ; 40.0; 88; 31Eta CMa ; 2.45; 20000;occ; 80; 0;35302
23; 7179.1; 30-NOV-2008 08:45:07; Dark ; 66.0; 23; 21Eps CMa ; 1.50; 26000;occ; 132; 0;35302
24; 7571.1; 30-NOV-2008 08:51:39; Dark ; 53.0; 101; 11Alp Lep ; 2.58; 7000;occ; 106; 0;35302
25; 7788.9; 30-NOV-2008 08:55:16; Dark ; 15.0; 7; 19Bet Ori ; 0.10; 14000;occ; 30; 0;35302

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1; 1753.0; 30-NOV-2008 08:55:16; Dark ; 60.0; 7; 19Bet Ori ; 0.10; 14000;occ; 120; 0;35303
2; 1936.0; 30-NOV-2008 08:58:19; Dark ; 62.5; 30; 46Eps Ori ; 1.69; 30000;occ; 125; 0;35303
3; 2100.0; 30-NOV-2008 09:01:03; Dark ; 61.0; 27; 24Gam Ori ; 1.64; 26000;occ; 122; 0;35303
4; 2234.5; 30-NOV-2008 09:03:18; Bright; 51.5; 13; 87Alp Tau ; 0.87; 3800;occ; 103; 0;35303
5; 2472.2; 30-NOV-2008 09:07:16; Bright; 39.5; 150; 44Zet Per ; 2.89; 28000;occ; 79; 0;35303
6; 2618.1; 30-NOV-2008 09:09:41; Bright; 38.0; 149; 45Eps Per ; 2.89; 30000;occ; 76; 0;35303
7; 2852.2; 30-NOV-2008 09:13:36; Bright; 49.0; 6; 13Alp Aur ; 0.08; 3400;occ; 98; 0;35303

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8; 2963.4; 30-NOV-2008 09:15:27; Bright; 51.0; 42; 34Bet Aur ; 1.90; 10200;occ; 102; 0;35303
9; 3823.3; 30-NOV-2008 09:29:47; Bright; 47.5; 36; 50Alp UMA ; 1.80; 6300;occ; 95; 0;35303
10; 3919.8; 30-NOV-2008 09:31:23; Bright; 47.0; 82; 48Bet UMA ; 2.37; 10600;occ; 94; 0;35303
11; 4015.3; 30-NOV-2008 09:32:59; Bright; 38.0; 32; 77Eps UMA ; 1.76; 11000;occ; 76; 0;35303
12; 4189.1; 30-NOV-2008 09:35:52; Bright; 50.5; 174; 52Psi UMA ; 3.00; 4400;occ; 101; 0;35303
13; 4347.9; 30-NOV-2008 09:38:31; Bright; 39.0; 152; 12Alp2CVn ; 2.89; 11000;occ; 78; 0;35303
14; 4919.1; 30-NOV-2008 09:48:02; Bright; 57.0; 62; 94Bet Leo ; 2.14; 9700;occ; 114; 0;35303
15; 5117.3; 30-NOV-2008 09:51:21; Bright; 43.5; 121; 29Gam Vir ; 2.74; 7200;occ; 87; 0;35303
16; 5456.0; 30-NOV-2008 09:56:59; Dark ; 47.0; 100; 4Gam Crv ; 2.58; 13100;occ; 94; 0;35303
17; 5551.6; 30-NOV-2008 09:58:35; Dark ; 46.5; 171; 2Eps Crv ; 3.00; 4250;occ; 93; 0;35303
18; 6438.8; 30-NOV-2008 10:13:22; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;35303
19; 6637.1; 30-NOV-2008 10:16:40; Dark ; 46.0; 34; Gam2Vel ; 1.79; 23000;occ; 92; 0;35303
20; 6741.8; 30-NOV-2008 10:18:25; Dark ; 53.0; 70; Zet Pup ; 2.25; 39000;occ; 106; 0;35303
21; 6951.2; 30-NOV-2008 10:21:55; Dark ; 63.5; 117; Pi Pup ; 2.71; 3800;occ; 127; 0;35303
22; 7096.9; 30-NOV-2008 10:24:20; Dark ; 42.0; 88; 31Eta CMA ; 2.45; 20000;occ; 84; 0;35303
23; 7179.8; 30-NOV-2008 10:25:43; Dark ; 64.5; 23; 21Eps CMA ; 1.50; 26000;occ; 129; 0;35303
24; 7571.2; 30-NOV-2008 10:32:15; Dark ; 55.0; 101; 11Alp Lep ; 2.58; 7000;occ; 110; 0;35303
25; 7788.8; 30-NOV-2008 10:35:52; Dark ; 3.0; 7; 19Bet Ori ; 0.10; 14000;occ; 6; 0;35303
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2; 1935.6; 30-NOV-2008 10:38:55; Dark ; 62.5; 30; 46Eps Ori ; 1.69; 30000;occ; 125; 0;35304
3; 2099.5; 30-NOV-2008 10:41:39; Dark ; 60.0; 27; 24Gam Ori ; 1.64; 26000;occ; 120; 0;35304
4; 2234.1; 30-NOV-2008 10:43:53; Bright; 56.0; 13; 87Alp Tau ; 0.87; 3800;occ; 112; 0;35304
5; 2472.1; 30-NOV-2008 10:47:51; Bright; 38.5; 150; 44Zet Per ; 2.89; 28000;occ; 77; 0;35304
6; 2617.9; 30-NOV-2008 10:50:17; Bright; 37.5; 149; 45Eps Per ; 2.89; 30000;occ; 75; 0;35304
7; 2851.5; 30-NOV-2008 10:54:11; Bright; 46.5; 6; 13Alp Aur ; 0.08; 3400;occ; 93; 0;35304
8; 2962.5; 30-NOV-2008 10:56:02; Bright; 50.0; 42; 34Bet Aur ; 1.90; 10200;occ; 100; 0;35304
9; 3822.9; 30-NOV-2008 11:10:22; Bright; 43.5; 36; 50Alp UMA ; 1.80; 6300;occ; 87; 0;35304
10; 3919.4; 30-NOV-2008 11:11:59; Bright; 47.5; 82; 48Bet UMA ; 2.37; 10600;occ; 95; 0;35304
11; 4015.2; 30-NOV-2008 11:13:34; Bright; 39.5; 32; 77Eps UMA ; 1.76; 11000;occ; 79; 0;35304
12; 4188.8; 30-NOV-2008 11:16:28; Bright; 55.0; 174; 52Psi UMA ; 3.00; 4400;occ; 110; 0;35304
13; 4347.9; 30-NOV-2008 11:19:07; Bright; 39.5; 152; 12Alp2CVn ; 2.89; 11000;occ; 79; 0;35304
14; 4919.7; 30-NOV-2008 11:28:39; Bright; 58.0; 62; 94Bet Leo ; 2.14; 9700;occ; 116; 0;35304
15; 5117.9; 30-NOV-2008 11:31:57; Bright; 42.5; 121; 29Gam Vir ; 2.74; 7200;occ; 85; 0;35304
16; 5456.8; 30-NOV-2008 11:37:36; Dark ; 45.5; 100; 4Gam Crv ; 2.58; 13100;occ; 91; 0;35304
17; 5552.4; 30-NOV-2008 11:39:12; Dark ; 45.0; 171; 2Eps Crv ; 3.00; 4250;occ; 90; 0;35304
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19; 6638.0; 30-NOV-2008 11:57:17; Dark ; 46.0; 34; Gam2Vel ; 1.79; 23000;occ; 92; 0;35304
20; 6742.9; 30-NOV-2008 11:59:02; Dark ; 52.5; 70; Zet Pup ; 2.25; 39000;occ; 105; 0;35304
21; 6952.0; 30-NOV-2008 12:02:31; Dark ; 65.0; 117; Pi Pup ; 2.71; 3800;occ; 130; 0;35304
22; 7097.7; 30-NOV-2008 12:04:57; Dark ; 42.0; 88; 31Eta CMA ; 2.45; 20000;occ; 84; 0;35304
23; 7180.5; 30-NOV-2008 12:06:20; Dark ; 68.5; 23; 21Eps CMA ; 1.50; 26000;occ; 137; 0;35304
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2; 1752.9; 30-NOV-2008 12:16:28; Dark ; 68.0; 7; 19Bet Ori ; 0.10; 14000;occ; 136; 0;35305
3; 1935.2; 30-NOV-2008 12:19:30; Dark ; 57.5; 30; 46Eps Ori ; 1.69; 30000;occ; 115; 0;35305
4; 2099.0; 30-NOV-2008 12:22:14; Dark ; 60.0; 27; 24Gam Ori ; 1.64; 26000;occ; 120; 0;35305
5; 2233.8; 30-NOV-2008 12:24:29; Bright; 53.5; 13; 87Alp Tau ; 0.87; 3800;occ; 107; 0;35305
6; 2471.8; 30-NOV-2008 12:28:27; Bright; 36.5; 150; 44Zet Per ; 2.89; 28000;occ; 73; 0;35305
7; 2617.7; 30-NOV-2008 12:30:53; Bright; 36.5; 149; 45Eps Per ; 2.89; 30000;occ; 73; 0;35305
8; 2850.8; 30-NOV-2008 12:34:46; Bright; 48.5; 6; 13Alp Aur ; 0.08; 3400;occ; 97; 0;35305
9; 2961.5; 30-NOV-2008 12:36:37; Bright; 52.0; 42; 34Bet Aur ; 1.90; 10200;occ; 104; 0;35305
10; 3822.6; 30-NOV-2008 12:50:58; Bright; 45.0; 36; 50Alp UMA ; 1.80; 6300;occ; 90; 0;35305
11; 3919.0; 30-NOV-2008 12:52:34; Bright; 46.0; 82; 48Bet UMA ; 2.37; 10600;occ; 92; 0;35305
12; 4015.1; 30-NOV-2008 12:54:10; Bright; 38.5; 32; 77Eps UMA ; 1.76; 11000;occ; 77; 0;35305
13; 4188.7; 30-NOV-2008 12:57:04; Bright; 51.5; 174; 52Psi UMA ; 3.00; 4400;occ; 103; 0;35305
14; 4348.1; 30-NOV-2008 12:59:43; Bright; 39.0; 152; 12Alp2CVn ; 2.89; 11000;occ; 78; 0;35305
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16; 5118.4; 30-NOV-2008 13:12:34; Bright; 43.0; 121; 29Gam Vir ; 2.74; 7200;occ; 86; 0;35305
17; 5457.7; 30-NOV-2008 13:18:13; Dark ; 46.0; 100; 4Gam Crv ; 2.58; 13100;occ; 92; 0;35305
18; 5553.2; 30-NOV-2008 13:19:48; Dark ; 51.5; 171; 2Eps Crv ; 3.00; 4250;occ; 103; 0;35305
19; 6440.5; 30-NOV-2008 13:34:36; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;35305
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21; 6743.8; 30-NOV-2008 13:39:39; Dark ; 54.5; 70; Zet Pup ; 2.25; 39000;occ; 109; 0;35305
22; 6952.9; 30-NOV-2008 13:43:08; Dark ; 61.5; 117; Pi Pup ; 2.71; 3800;occ; 123; 0;35305
23; 7098.8; 30-NOV-2008 13:45:34; Dark ; 44.0; 88; 31Eta CMA ; 2.45; 20000;occ; 88; 0;35305
24; 7181.3; 30-NOV-2008 13:46:56; Dark ; 66.5; 23; 21Eps CMA ; 1.50; 26000;occ; 133; 0;35305
25; 7571.6; 30-NOV-2008 13:53:27; Dark ; 8.5; 101; 11Alp Lep ; 2.58; 7000;occ; 17; 0;35305

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 3; 1934.9; 30-NOV-2008 14:00:06; Dark ; 63.0; 30; 46Eps Ori ; 1.69; 30000;occ; 126; 0;35306
 4; 2098.4; 30-NOV-2008 14:02:49; Dark ; 60.0; 27; 24Gam Ori ; 1.64; 26000;occ; 120; 0;35306
 5; 2233.5; 30-NOV-2008 14:05:04; Bright; 55.5; 13; 87Alp Tau ; 0.87; 3800;occ; 111; 0;35306
 6; 2471.6; 30-NOV-2008 14:09:03; Bright; 37.5; 150; 44Zet Per ; 2.89; 28000;occ; 75; 0;35306
 7; 2617.5; 30-NOV-2008 14:11:28; Bright; 38.0; 149; 45Eps Per ; 2.89; 30000;occ; 76; 0;35306
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 10; 3822.5; 30-NOV-2008 14:31:33; Bright; 45.0; 36; 50Alp UMa ; 1.80; 6300;occ; 90; 0;35306
 11; 3918.8; 30-NOV-2008 14:33:10; Bright; 47.0; 82; 48Bet UMa ; 2.37; 10600;occ; 94; 0;35306
 12; 4015.1; 30-NOV-2008 14:34:46; Bright; 40.0; 32; 77Eps UMa ; 1.76; 11000;occ; 80; 0;35306
 13; 4188.5; 30-NOV-2008 14:37:39; Bright; 54.0; 174; 52Psi UMa ; 3.00; 4400;occ; 108; 0;35306
 14; 4348.2; 30-NOV-2008 14:40:19; Bright; 38.5; 152; 12Alp2CVn ; 2.89; 11000;occ; 77; 0;35306
 15; 4921.2; 30-NOV-2008 14:49:52; Bright; 55.0; 62; 94Bet Leo ; 2.14; 9700;occ; 110; 0;35306
 16; 5119.1; 30-NOV-2008 14:53:10; Bright; 41.5; 121; 29Gam Vir ; 2.74; 7200;occ; 83; 0;35306
 17; 5458.4; 30-NOV-2008 14:58:49; Dark ; 45.5; 100; 4Gam Crv ; 2.58; 13100;occ; 91; 0;35306
 18; 5554.1; 30-NOV-2008 15:00:25; Dark ; 46.5; 171; 2Eps Crv ; 3.00; 4250;occ; 93; 0;35306
 19; 6441.4; 30-NOV-2008 15:15:12; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;35306
 20; 6639.8; 30-NOV-2008 15:18:31; Dark ; 47.0; 34; Gam2Vel ; 1.79; 23000;occ; 94; 0;35306
 21; 6745.0; 30-NOV-2008 15:20:16; Dark ; 53.0; 70; Zet Pup ; 2.25; 39000;occ; 106; 0;35306
 22; 6953.7; 30-NOV-2008 15:23:45; Dark ; 59.5; 117; Pi Pup ; 2.71; 3800;occ; 119; 0;35306
 23; 7099.7; 30-NOV-2008 15:26:11; Dark ; 44.0; 88; 31Eta CMA ; 2.45; 20000;occ; 88; 0;35306
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 3; 1934.5; 30-NOV-2008 15:40:41; Dark ; 61.0; 30; 46Eps Ori ; 1.69; 30000;occ; 122; 0;35307
 4; 2097.8; 30-NOV-2008 15:43:25; Dark ; 60.5; 27; 24Gam Ori ; 1.64; 26000;occ; 121; 0;35307
 5; 2233.1; 30-NOV-2008 15:45:40; Bright; 54.0; 13; 87Alp Tau ; 0.87; 3800;occ; 108; 0;35307
 6; 2471.5; 30-NOV-2008 15:49:38; Bright; 38.5; 150; 44Zet Per ; 2.89; 28000;occ; 77; 0;35307
 7; 2617.1; 30-NOV-2008 15:52:04; Bright; 38.0; 149; 45Eps Per ; 2.89; 30000;occ; 76; 0;35307
 8; 2849.4; 30-NOV-2008 15:55:56; Bright; 47.0; 6; 13Alp Aur ; 0.08; 3400;occ; 94; 0;35307
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 13; 4188.1; 30-NOV-2008 16:18:15; Bright; 49.5; 174; 52Psi UMa ; 3.00; 4400;occ; 99; 0;35307
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 22; 6954.6; 30-NOV-2008 17:04:22; Dark ; 73.5; 117; Pi Pup ; 2.71; 3800;occ; 147; 0;35307
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 3; 1536.1; 30-NOV-2008 17:14:39; Dark ; 53.5; 101; 11Alp Lep ; 2.58; 7000;occ; 107; 0;35308
 4; 1752.8; 30-NOV-2008 17:18:16; Dark ; 59.5; 7; 19Bet Ori ; 0.10; 14000;occ; 119; 0;35308
 5; 1934.1; 30-NOV-2008 17:21:17; Dark ; 63.0; 30; 46Eps Ori ; 1.69; 30000;occ; 126; 0;35308
 6; 2097.3; 30-NOV-2008 17:24:00; Dark ; 60.5; 27; 24Gam Ori ; 1.64; 26000;occ; 121; 0;35308
 7; 2232.8; 30-NOV-2008 17:26:16; Bright; 51.0; 13; 87Alp Tau ; 0.87; 3800;occ; 102; 0;35308
 8; 2471.1; 30-NOV-2008 17:30:14; Bright; 38.5; 150; 44Zet Per ; 2.89; 28000;occ; 77; 0;35308
 9; 2616.7; 30-NOV-2008 17:32:40; Bright; 51.0; 149; 45Eps Per ; 2.89; 30000;occ; 102; 0;35308
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 11; 2958.8; 30-NOV-2008 17:38:22; Bright; 52.0; 42; 34Bet Aur ; 1.90; 10200;occ; 104; 0;35308
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 14; 4014.9; 30-NOV-2008 17:55:58; Bright; 37.0; 32; 77Eps UMa ; 1.76; 11000;occ; 74; 0;35308
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23; 6747.2; 30-NOV-2008 18:41:30; Dark ; 56.5; 70; Zet Pup ; 2.25; 39000;occ; 113; 0;35308
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