

GOMOS Daily Report 22-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	24NOV2008 05:40:57
Data source version	GOMOS/5.00
Start time of products	22NOV2008 00:03:15
Stop time of products	22NOV2008 06:06:10
Store outputs in DB	Yes
Nb of level 1b prods	49
Nb of prods with errors	1

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

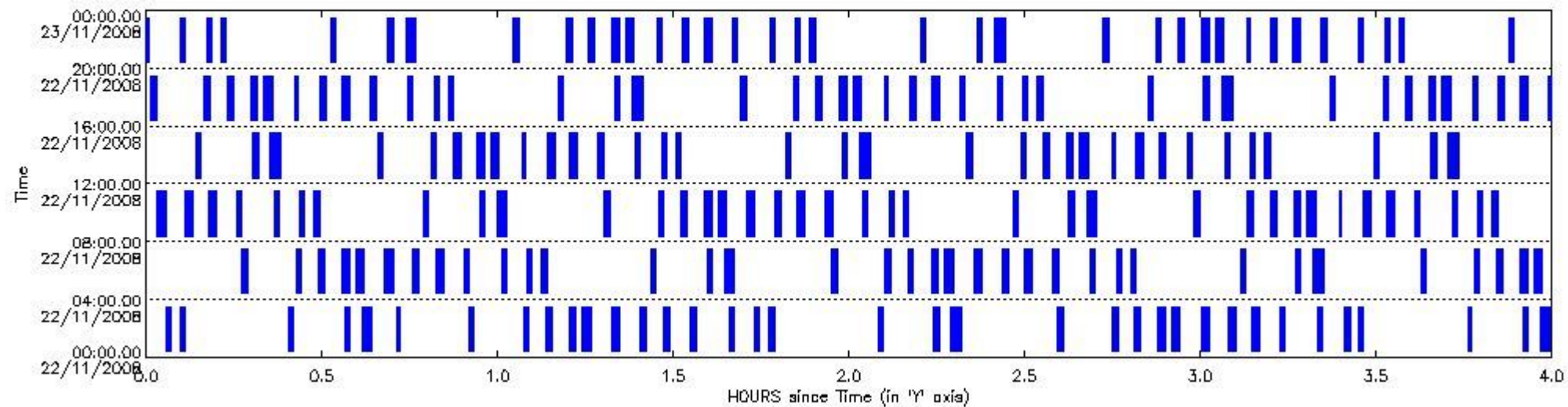
2.1 Level 0 products arrived in PCF (see template [here](#))

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

Red segments are missing products.

Blue segments are available products.

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



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

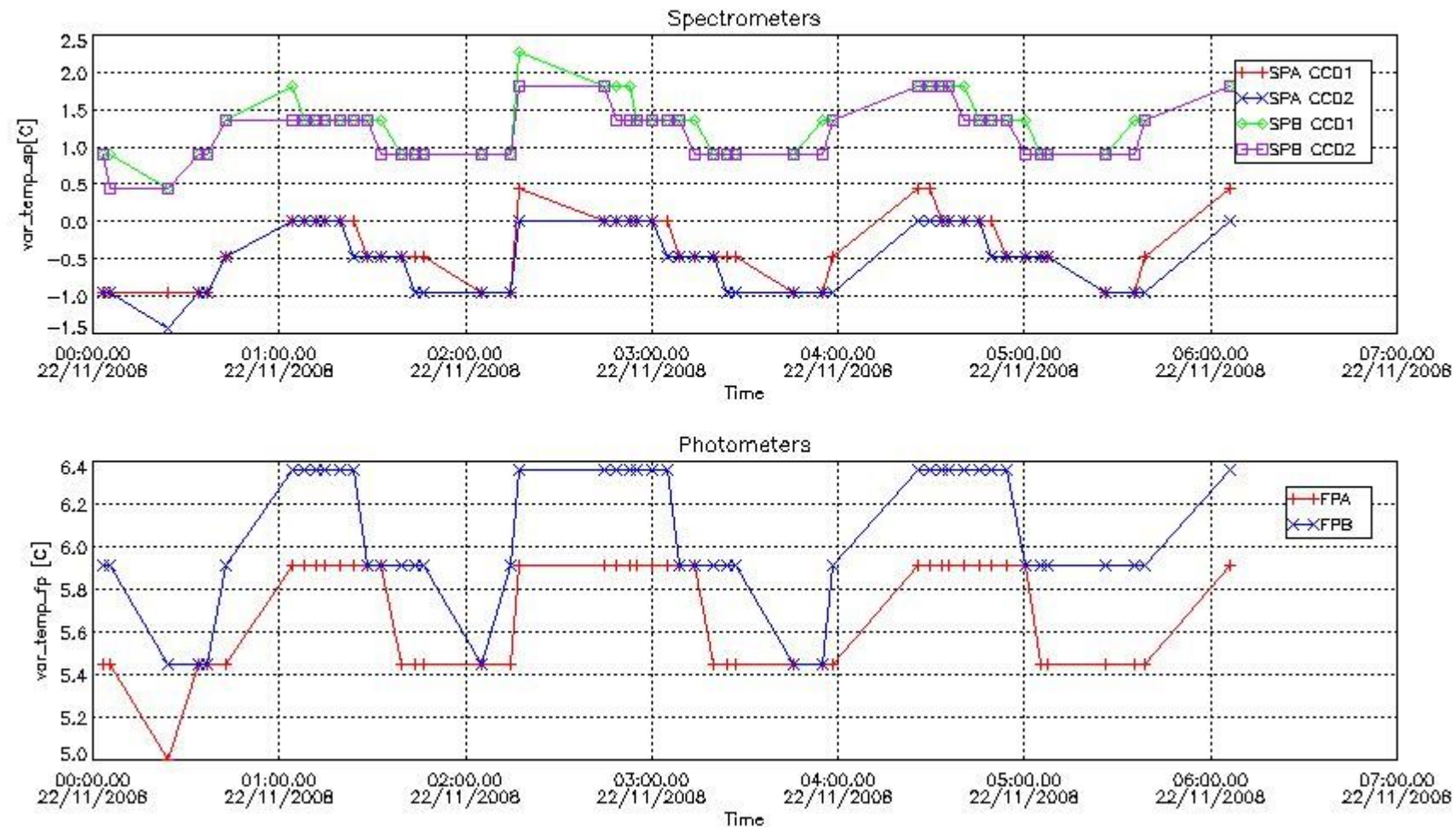
No missing products.

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_1PNPDE20081122_000315_000000512074_00059_35183_4960.N1	22-NOV-2008 00:03:15	Bright	51.000	6	13Alp Aur	0.080000	3400.0	102	35183	No
2	GOM_TRA_1PNPDE20081122_000545_000000572074_00059_35183_4961.N1	22-NOV-2008 00:05:45	Bright	57.000	42	34Bet Aur	1.9000	10200.	114	35183	No
3	GOM_TRA_1PNPDE20081122_002423_000000472074_00059_35183_4962.N1	22-NOV-2008 00:24:23	Bright	47.000	174	52Psi UMa	3.0040	4400.0	94	35183	No
4	GOM_TRA_1PNPDE20081122_003353_000000542074_00059_35183_4963.N1	22-NOV-2008 00:33:53	Bright	54.000	96	68Del Leo	2.5600	9300.0	108	35183	No
5	GOM_TRA_1PNPDE20081122_003647_000001052074_00059_35183_4964.N1	22-NOV-2008 00:36:47	Twilight_and_stray	105.00	51	41Gam1Leo	2.0100	4500.0	210	35183	No
6	GOM_TRA_1PNPDE20081122_004246_000000282074_00059_35183_4965.N1	22-NOV-2008 00:42:46	Straylight	27.500	22	32Alp Leo	1.3600	15200.	55	35183	No
7	GOM_TRA_1PNPDE20081122_010419_000000562074_00060_35184_5098.N1	22-NOV-2008 01:04:19	Dark	55.500	70	Zet Pup	2.2460	39000.	111	35184	No
8	GOM_TRA_1PNPDE20081122_010808_000000642074_00060_35184_5099.N1	22-NOV-2008 01:08:08	Dark	63.500	117	Pi Pup	2.7060	3800.0	127	35184	No
9	GOM_TRA_1PNPDE20081122_011211_000000732074_00060_35184_5100.N1	22-NOV-2008 01:12:11	Dark	72.500	23	21Eps CMa	1.5020	26000.	145	35184	No
10	GOM_TRA_1PNPDE20081122_011429_000000872074_00060_35184_5101.N1	22-NOV-2008 01:14:29	Straylight	87.000	179	24Omi2CMa	3.0320	24000.	174	35184	No
11	GOM_TRA_1PNPDE20081122_011926_000000882074_00060_35184_5102.N1	22-NOV-2008 01:19:26	Straylight	87.500	47	2Bet CMa	1.9760	28000.	175	35184	No
12	GOM_TRA_1PNPDE20081122_012416_000000682074_00060_35184_5103.N1	22-NOV-2008 01:24:16	Straylight	68.000	7	19Bet Ori	0.10000	14000.	136	35184	No

13	GOM_TRA_1PNPDE20081122_012811_000000792074_00060_35184_5104.N1	22-NOV-2008 01:28:11	Twilight	78.500	30	46Eps Ori	1.6940	30000.	157	35184	No
14	GOM_TRA_1PNPDE20081122_013257_000000562074_00060_35184_5105.N1	22-NOV-2008 01:32:57	Bright	56.000	13	87Alp Tau	0.86700	3800.0	112	35184	No
15	GOM_TRA_1PNPDE20081122_013925_000000522074_00060_35184_5106.N1	22-NOV-2008 01:39:25	Bright	52.000	114	31ot Aur	2.6930	4600.0	104	35184	No
16	GOM_TRA_1PNPDE20081122_014351_000000512074_00060_35184_5107.N1	22-NOV-2008 01:43:51	Bright	50.500	6	13Alp Aur	0.080000	3400.0	101	35184	No
17	GOM_TRA_1PNPDE20081122_014620_000000582074_00060_35184_5108.N1	22-NOV-2008 01:46:20	Bright	57.500	42	34Bet Aur	1.9000	10200.	115	35184	No
18	GOM_TRA_1PNPDE20081122_020459_000000462074_00060_35184_5109.N1	22-NOV-2008 02:04:59	Bright	45.500	174	52Psi UMa	3.0040	4400.0	91	35184	No
19	GOM_TRA_1PNPDE20081122_021429_000000552074_00060_35184_5110.N1	22-NOV-2008 02:14:29	Bright	54.500	96	68Del Leo	2.5600	9300.0	109	35184	No
20	GOM_TRA_1PNPDE20081122_021724_000001082074_00060_35184_5252.N1	22-NOV-2008 02:17:24	Twilight	107.50	51	41Gam1Leo	2.0100	4500.0	215	35184	Yes
21	GOM_TRA_1PNPDE20081122_024456_000000562074_00061_35185_5253.N1	22-NOV-2008 02:44:56	Dark	55.500	70	Zet Pup	2.2460	39000.	111	35185	No
22	GOM_TRA_1PNPDE20081122_024845_000000622074_00061_35185_5254.N1	22-NOV-2008 02:48:45	Dark	62.000	117	Pi Pup	2.7060	3800.0	124	35185	No
23	GOM_TRA_1PNPDE20081122_025248_000000752074_00061_35185_5255.N1	22-NOV-2008 02:52:48	Dark	74.500	23	21Eps CMa	1.5020	26000.	149	35185	No
24	GOM_TRA_1PNPDE20081122_025506_000000862074_00061_35185_5256.N1	22-NOV-2008 02:55:06	Straylight	86.000	179	24Omi2CMa	3.0320	24000.	172	35185	No
25	GOM_TRA_1PNPDE20081122_030002_000000862074_00061_35185_5257.N1	22-NOV-2008 03:00:02	Straylight	86.000	47	2Bet CMa	1.9760	28000.	172	35185	No
26	GOM_TRA_1PNPDE20081122_030451_000000702074_00061_35185_5258.N1	22-NOV-2008 03:04:51	Straylight	70.000	7	19Bet Ori	0.10000	14000.	140	35185	No
27	GOM_TRA_1PNPDE20081122_030846_000000812074_00061_35185_5259.N1	22-NOV-2008 03:08:46	Twilight	81.000	30	46Eps Ori	1.6940	30000.	162	35185	No
28	GOM_TRA_1PNPDE20081122_031333_000000562074_00061_35185_5260.N1	22-NOV-2008 03:13:33	Bright	55.500	13	87Alp Tau	0.86700	3800.0	111	35185	No
29	GOM_TRA_1PNPDE20081122_032000_000000522074_00061_35185_5261.N1	22-NOV-2008 03:20:00	Bright	52.000	114	31ot Aur	2.6930	4600.0	104	35185	No
30	GOM_TRA_1PNPDE20081122_032426_000000732074_00061_35185_5262.N1	22-NOV-2008 03:24:26	Bright	73.000	6	13Alp Aur	0.080000	3400.0	146	35185	No
31	GOM_TRA_1PNPDE20081122_032655_000000532074_00061_35185_5263.N1	22-NOV-2008 03:26:55	Bright	52.500	42	34Bet Aur	1.9000	10200.	105	35185	No
32	GOM_TRA_1PNPDE20081122_034535_000000462074_00061_35185_5365.N1	22-NOV-2008 03:45:35	Bright	46.000	174	52Psi UMa	3.0040	4400.0	92	35185	No
33	GOM_TRA_1PNPDE20081122_035506_000000552074_00061_35185_5366.N1	22-NOV-2008 03:55:06	Bright	54.500	96	68Del Leo	2.5600	9300.0	109	35185	No
34	GOM_TRA_1PNPDE20081122_035801_000001052074_00061_35185_5367.N1	22-NOV-2008 03:58:01	Twilight	105.00	51	41Gam1Leo	2.0100	4500.0	210	35185	No
35	GOM_TRA_1PNPDE20081122_042533_000000552074_00062_35186_5368.N1	22-NOV-2008 04:25:33	Dark	54.500	70	Zet Pup	2.2460	39000.	109	35186	No
36	GOM_TRA_1PNPDE20081122_042922_000000682074_00062_35186_5369.N1	22-NOV-2008 04:29:22	Dark	67.500	117	Pi Pup	2.7060	3800.0	135	35186	No
37	GOM_TRA_1PNPDE20081122_043324_000000742074_00062_35186_5370.N1	22-NOV-2008 04:33:24	Dark	73.500	23	21Eps CMa	1.5020	26000.	147	35186	No
38	GOM_TRA_1PNPDE20081122_043543_000000892074_00062_35186_5371.N1	22-NOV-2008 04:35:43	Straylight	89.000	179	24Omi2CMa	3.0320	24000.	178	35186	No
39	GOM_TRA_1PNPDE20081122_044039_000000872074_00062_35186_5372.N1	22-NOV-2008 04:40:39	Straylight	87.000	47	2Bet CMa	1.9760	28000.	174	35186	No
40	GOM_TRA_1PNPDE20081122_044527_000000702074_00062_35186_5373.N1	22-NOV-2008 04:45:27	Straylight	69.500	7	19Bet Ori	0.10000	14000.	139	35186	No
41	GOM_TRA_1PNPDE20081122_044921_000000832074_00062_35186_5374.N1	22-NOV-2008 04:49:21	Twilight	82.500	30	46Eps Ori	1.6940	30000.	165	35186	No
42	GOM_TRA_1PNPDE20081122_045408_000000562074_00062_35186_5375.N1	22-NOV-2008 04:54:08	Bright	56.000	13	87Alp Tau	0.86700	3800.0	112	35186	No
43	GOM_TRA_1PNPDE20081122_050035_000000512074_00062_35186_5376.N1	22-NOV-2008 05:00:35	Bright	50.500	114	31ot Aur	2.6930	4600.0	101	35186	No
44	GOM_TRA_1PNPDE20081122_050501_000000522074_00062_35186_5377.N1	22-NOV-2008 05:05:01	Bright	51.500	6	13Alp Aur	0.080000	3400.0	103	35186	No
45	GOM_TRA_1PNPDE20081122_050729_000000572074_00062_35186_5378.N1	22-NOV-2008 05:07:29	Bright	57.000	42	34Bet Aur	1.9000	10200.	114	35186	No
46	GOM_TRA_1PNPDE20081122_052610_000000462074_00062_35186_5584.N1	22-NOV-2008 05:26:10	Bright	46.000	174	52Psi UMa	3.0040	4400.0	92	35186	No
47	GOM_TRA_1PNPDE20081122_053542_000000512074_00062_35186_5585.N1	22-NOV-2008 05:35:42	Bright	51.000	96	68Del Leo	2.5600	9300.0	102	35186	No
48	GOM_TRA_1PNPDE20081122_053838_000001002074_00062_35186_5586.N1	22-NOV-2008 05:38:38	Twilight	100.00	51	41Gam1Leo	2.0100	4500.0	200	35186	No
49	GOM_TRA_1PNPDE20081122_060610_000000542074_00063_35187_5587.N1	22-NOV-2008 06:06:10	Dark	54.000	70	Zet Pup	2.2460	39000.	108	35187	No

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



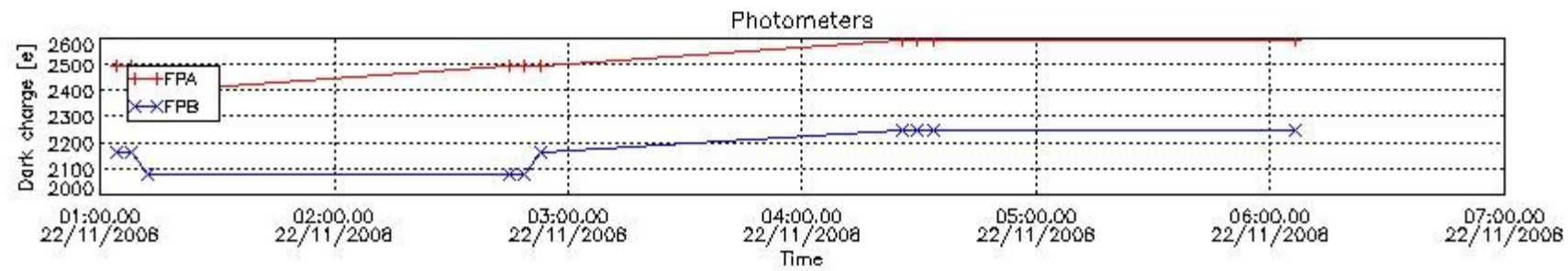
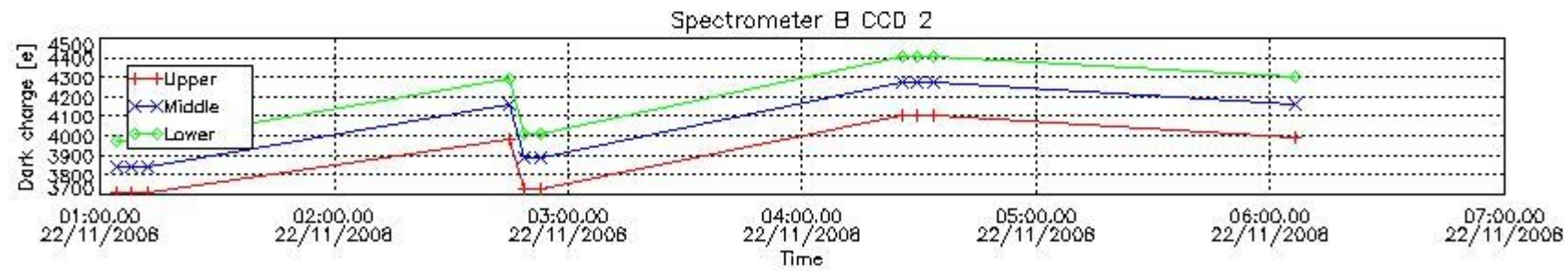
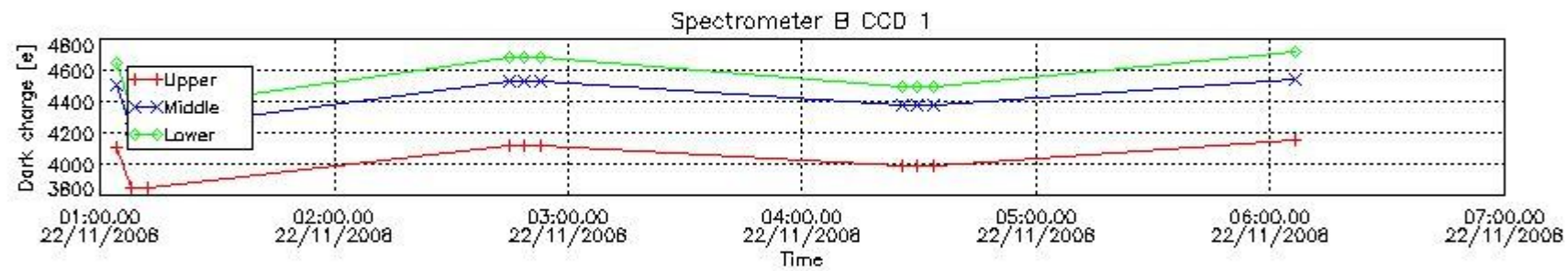
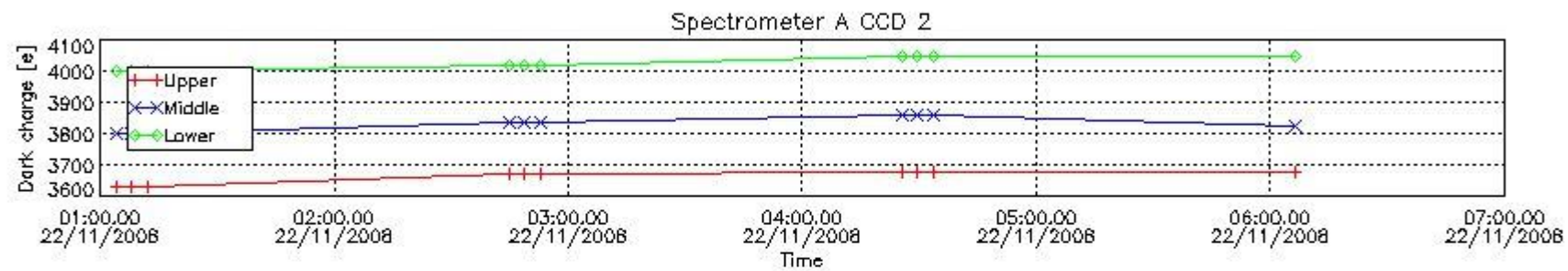
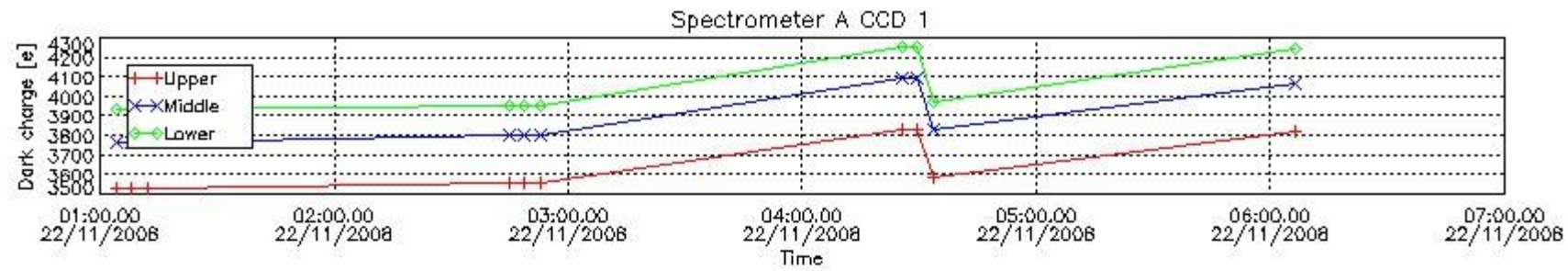
4. Overview of dark signal processing per product

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



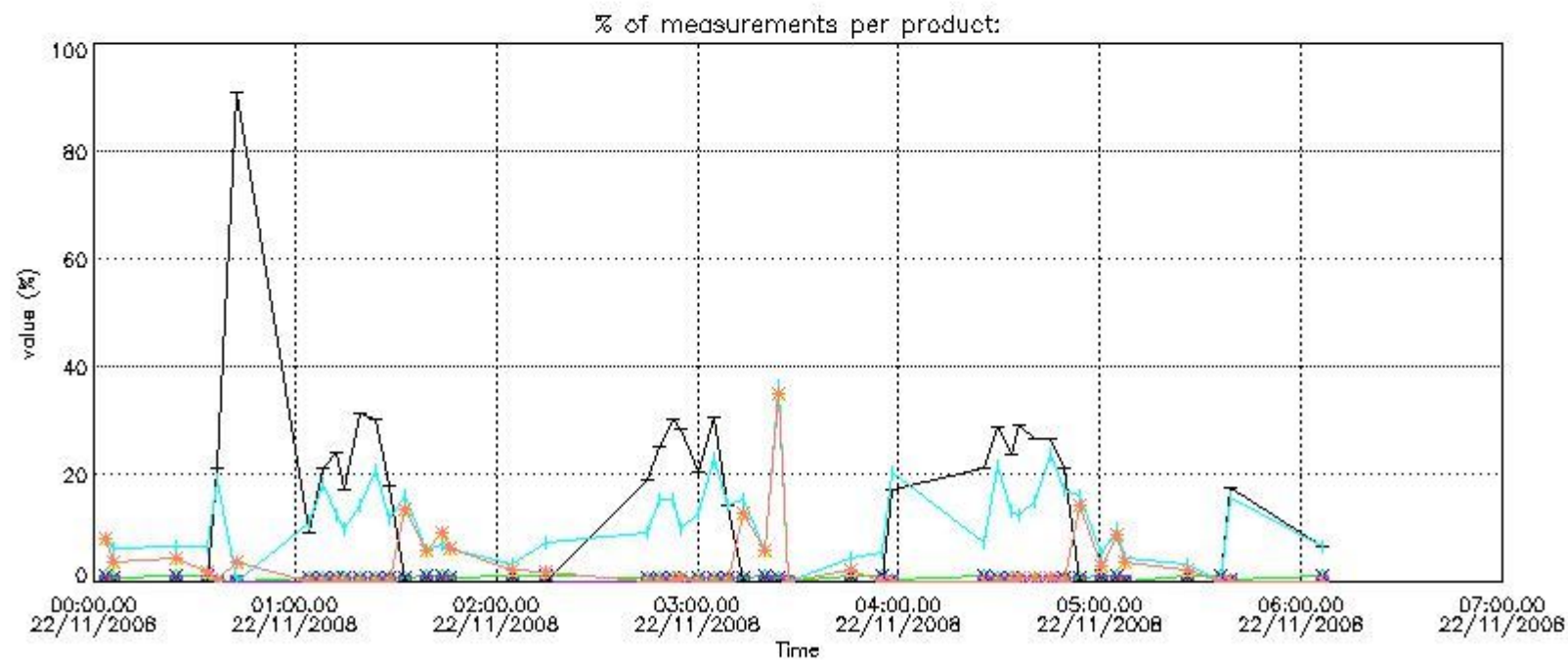
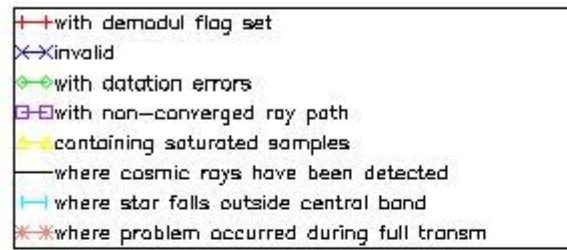
5. Demodulation flag and quality information monitoring

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.

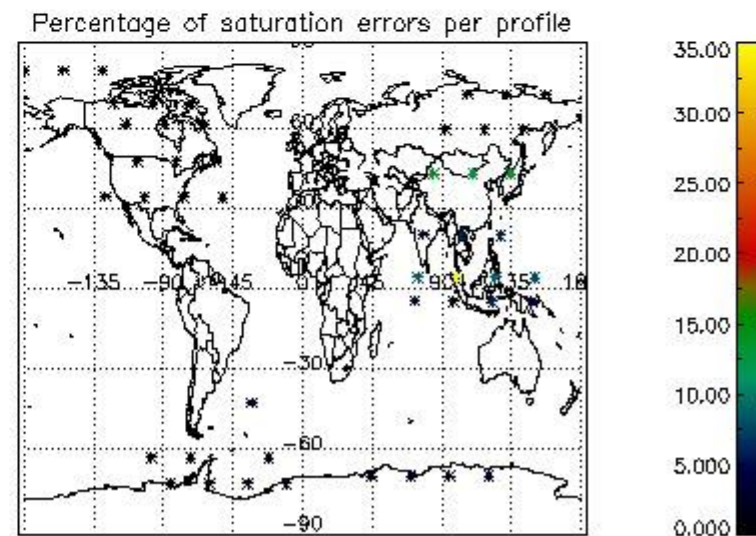
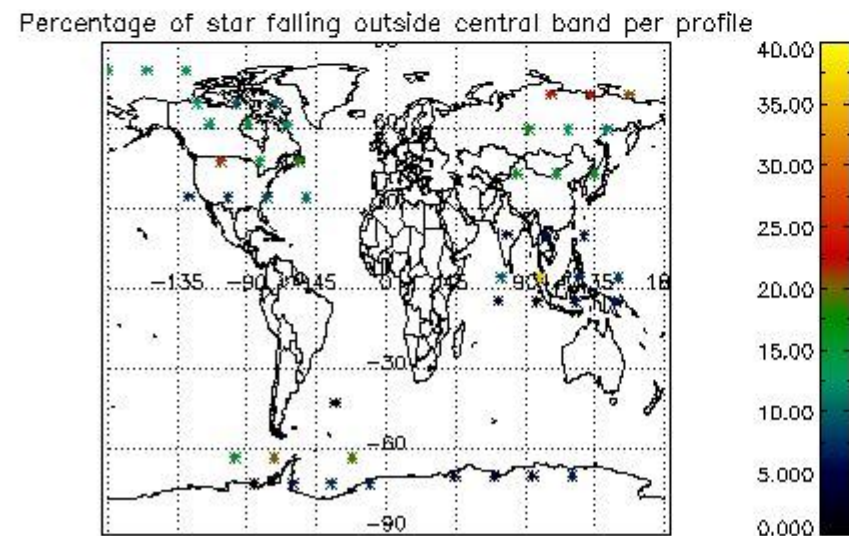
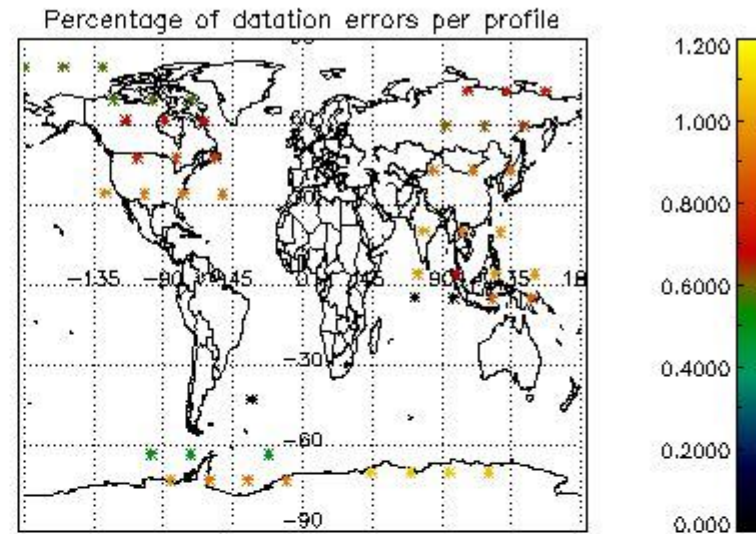
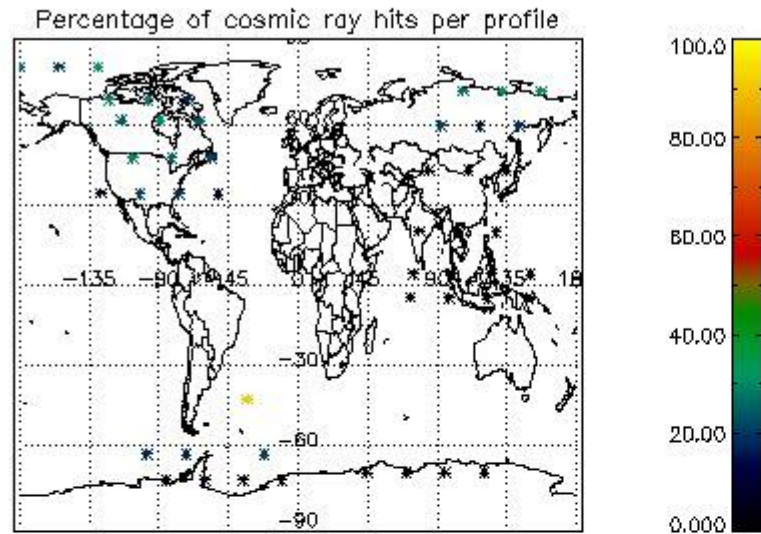
5.1 Percentage of products during reporting period with:

At least one measurement with demodulation flag set:	43.7500 %
Reference spectrum computed from DB:	0.00000 %
Reference spectrum with small number of measurements:	0.00000 %
SATU data not used:	0.00000 %

5.2 Plot quality information per product (time dependant)



5.3 Plot quality information per product (world map)



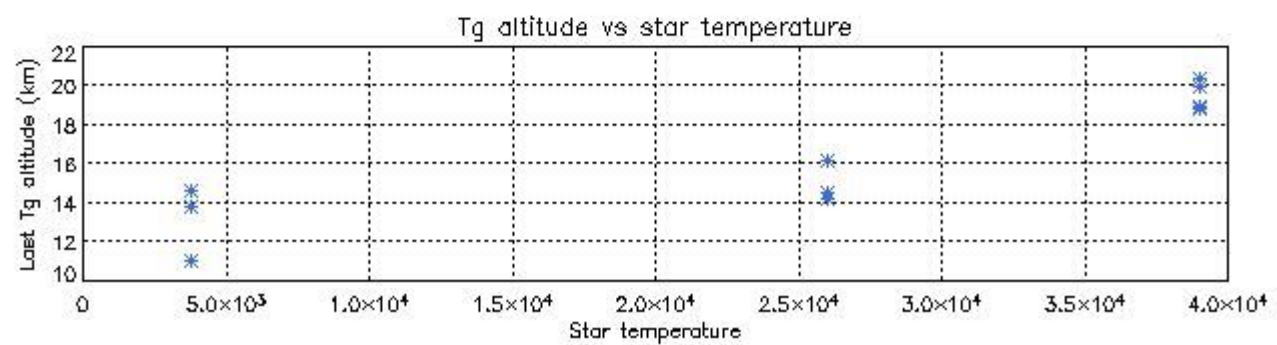
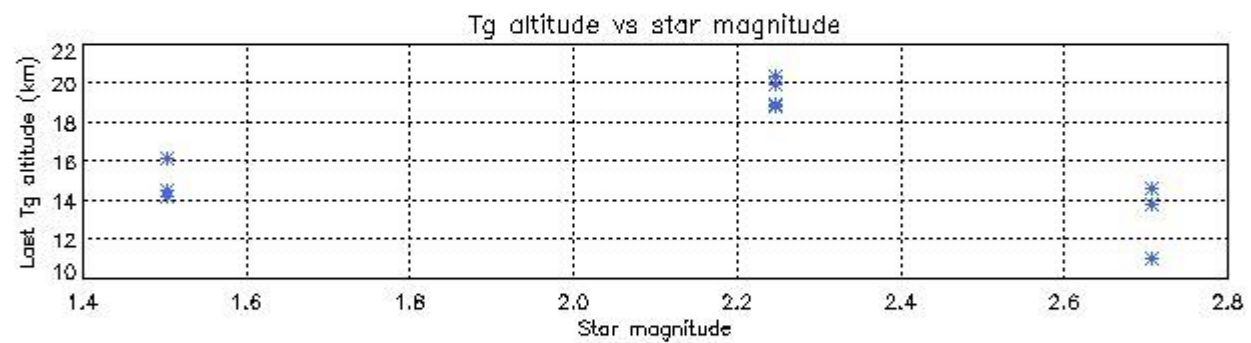
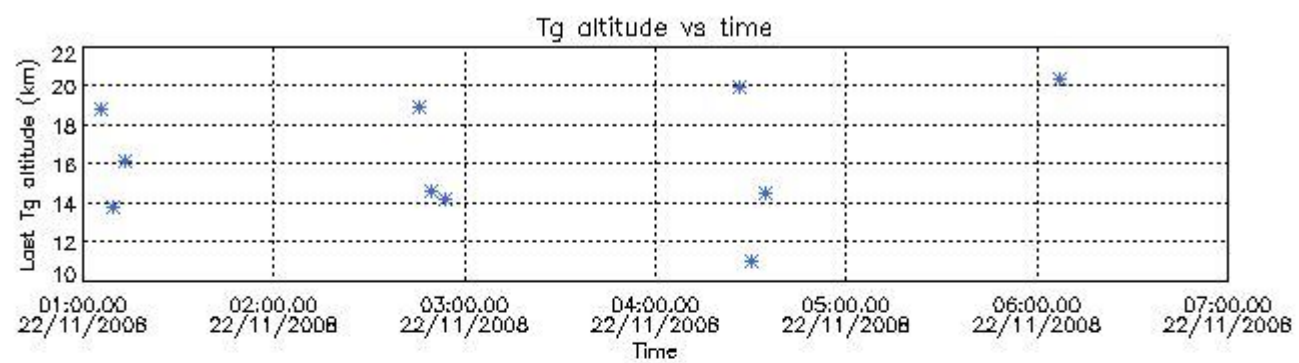
6. Statistics and plot of tangent altitude of the last measurement (DARK & BRIGHT products without errors)

6.1 Statistics on tangent altitude lost:

Statistics	DARK	BRIGHT	TWILIGHT
Mean:	16.241	19.749	NaN
St. deviation:	3.1382	5.1990	NaN
Maximum:	20.377	29.102	NaN
Minimum:	10.984	2.9718	NaN
Number of data:	10.000	22.000	NaN

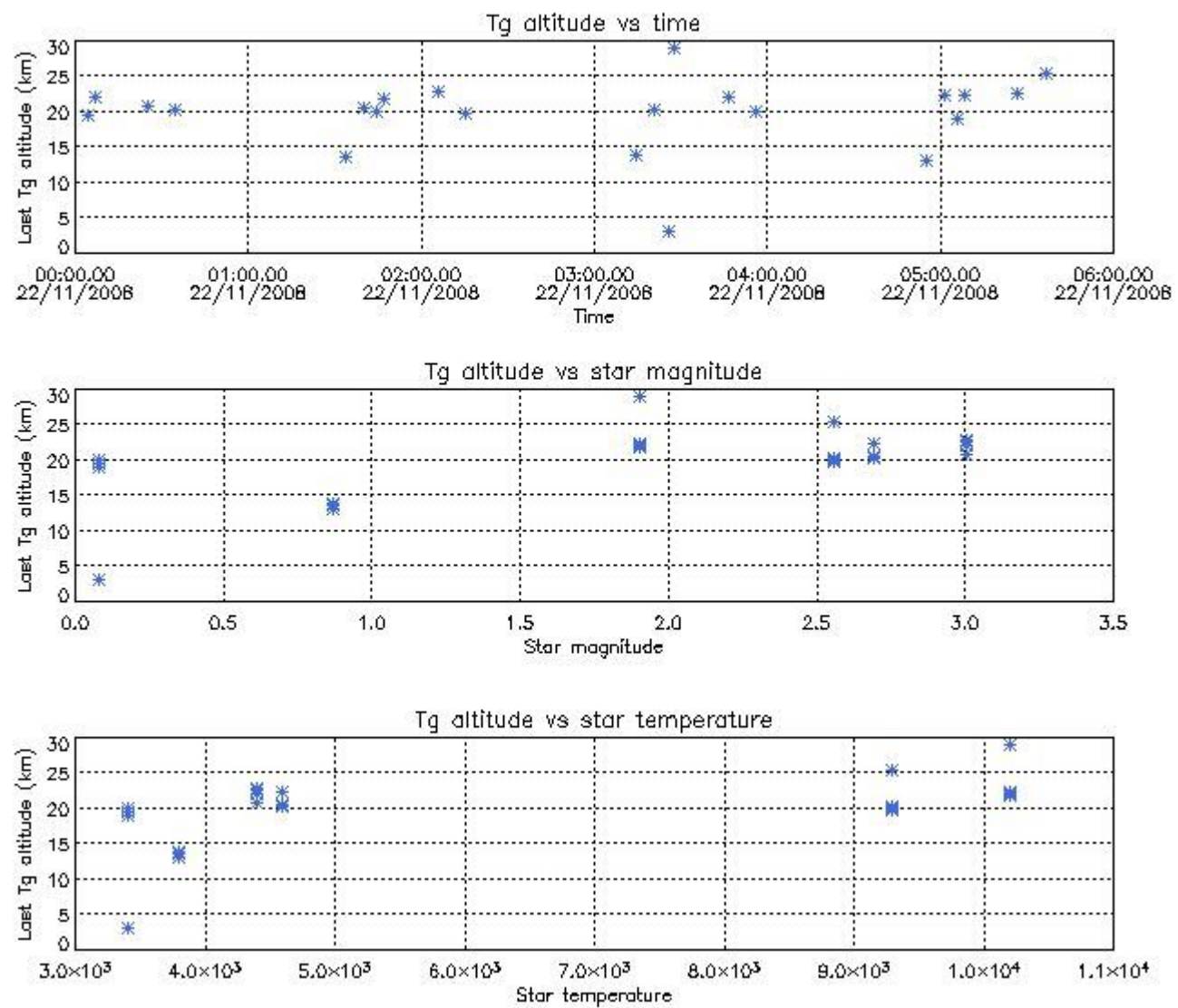
6.2 Plot for DARK limb products

Tangent altitude at which the star is lost



6.3 Plot for BRIGHT limb products

Tangent altitude at which the star is lost

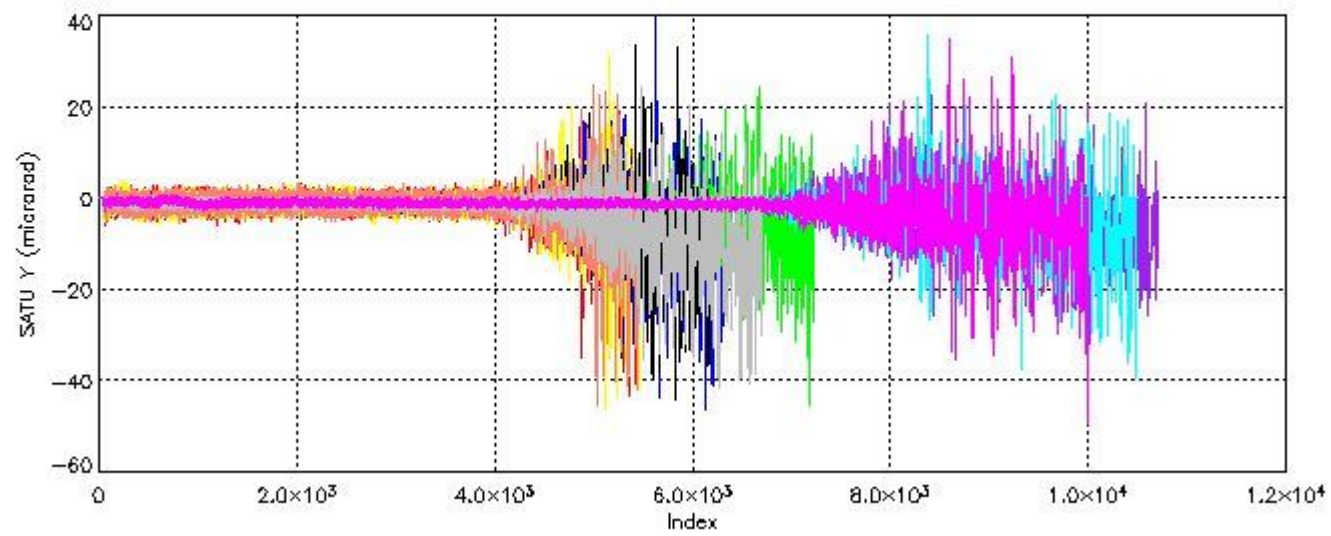
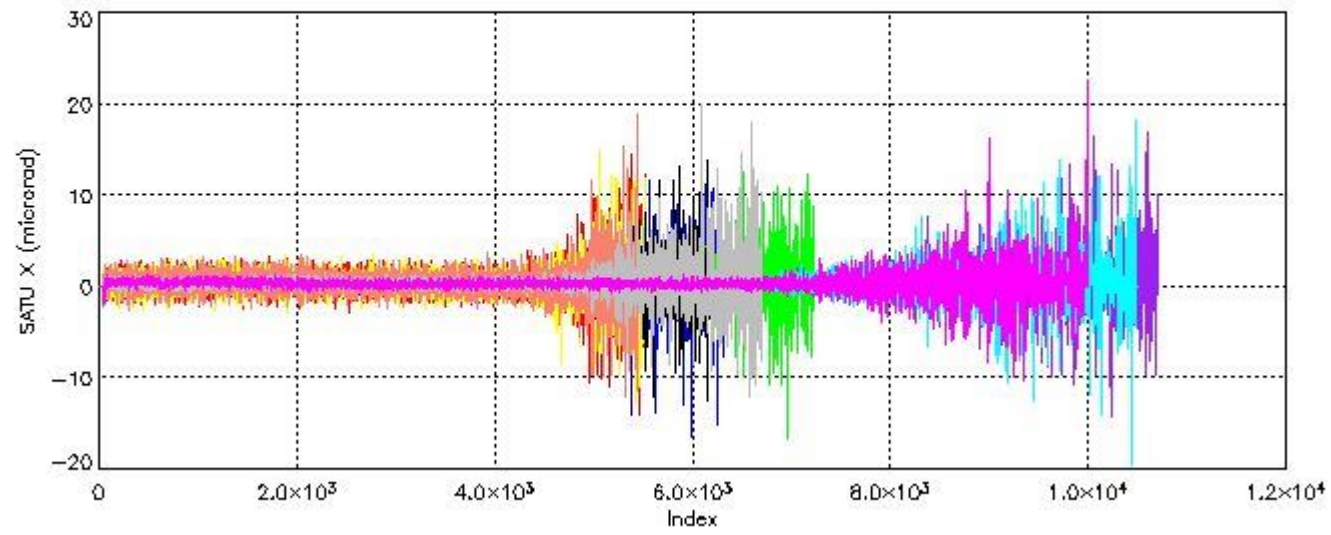


7. Star Acquisition and Tracking Unit (SATU)

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

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

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



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

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

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

7.2.1 SATU NEA Statistics (table)

Statistics	SATU X (D)	SATU Y (D)	SATU X (B)	SATU Y (B)
Mean:	0.34550	-1.0709	0.40312	-1.0777
St. deviation:	0.60955	1.1829	0.62746	1.0377
Maximum:	3.3000	3.5000	3.9000	3.9000
Minimum:	-2.7000	-5.9000	-3.3000	-5.9000

Number of data:	14000.	14000.	27250.	27250.
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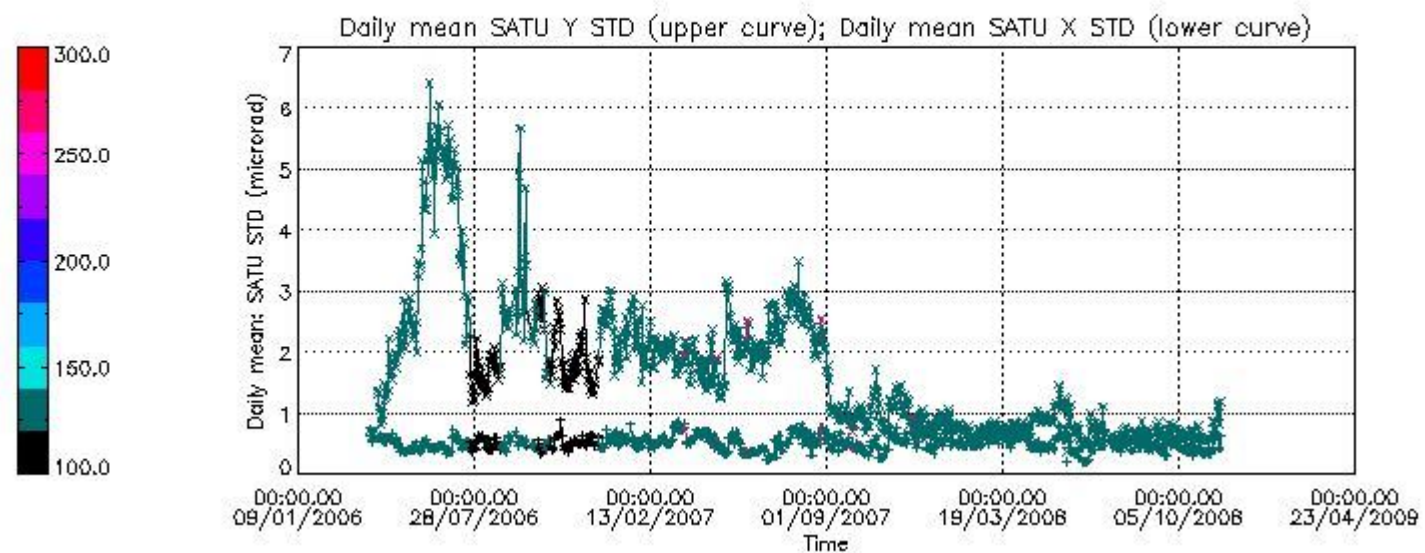
7.2.2 Trend of daily SATU NEA St. deviation since 1st April 2006 (dark limb)

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

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

Upper curve: STD of SATU Y axis

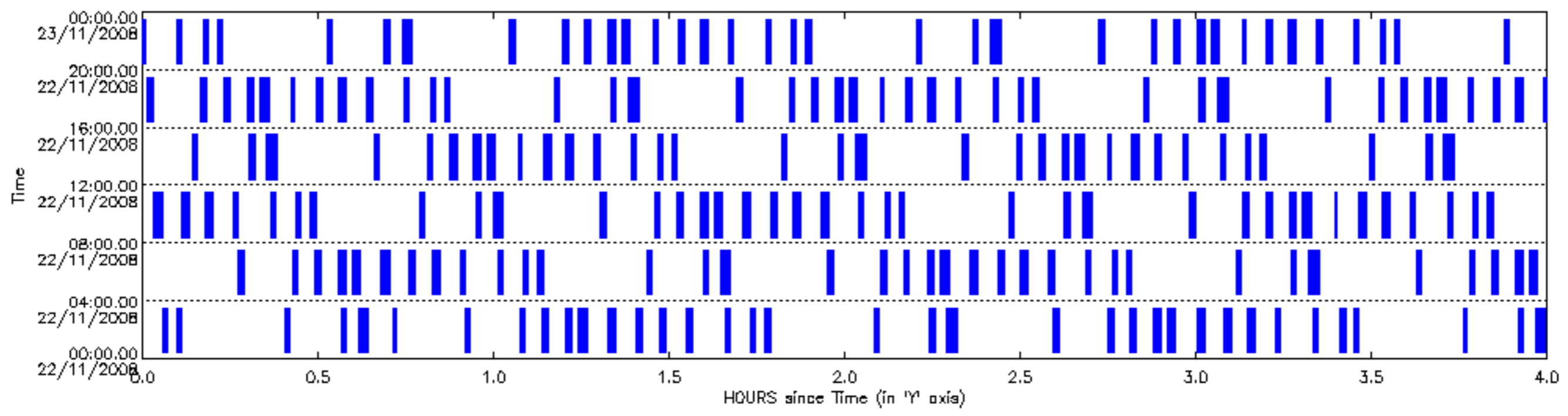
Lower curve: STD of SATU X axis

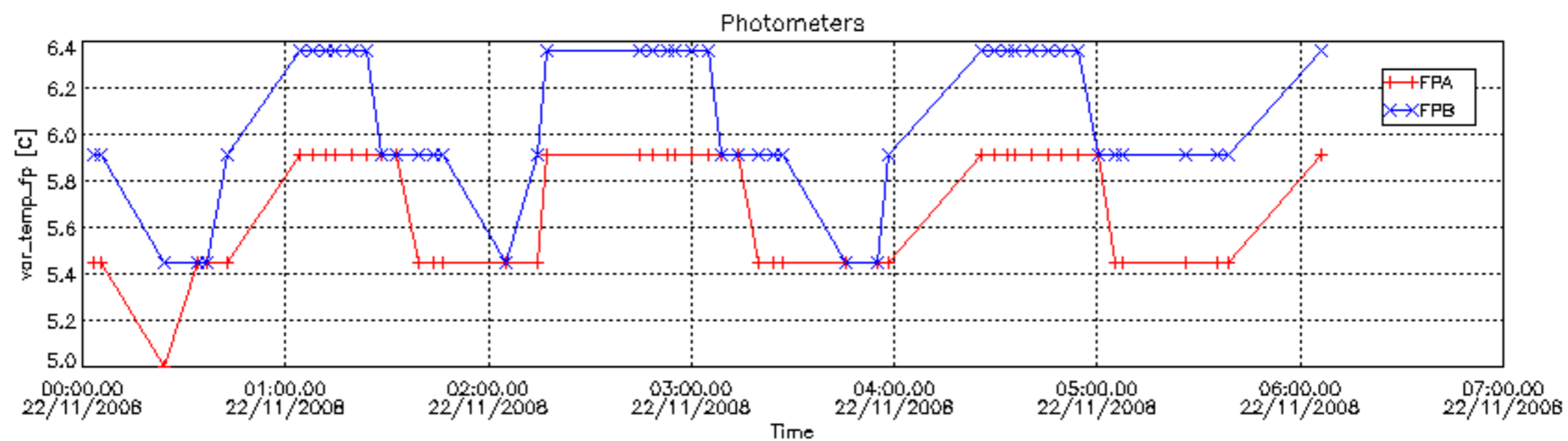
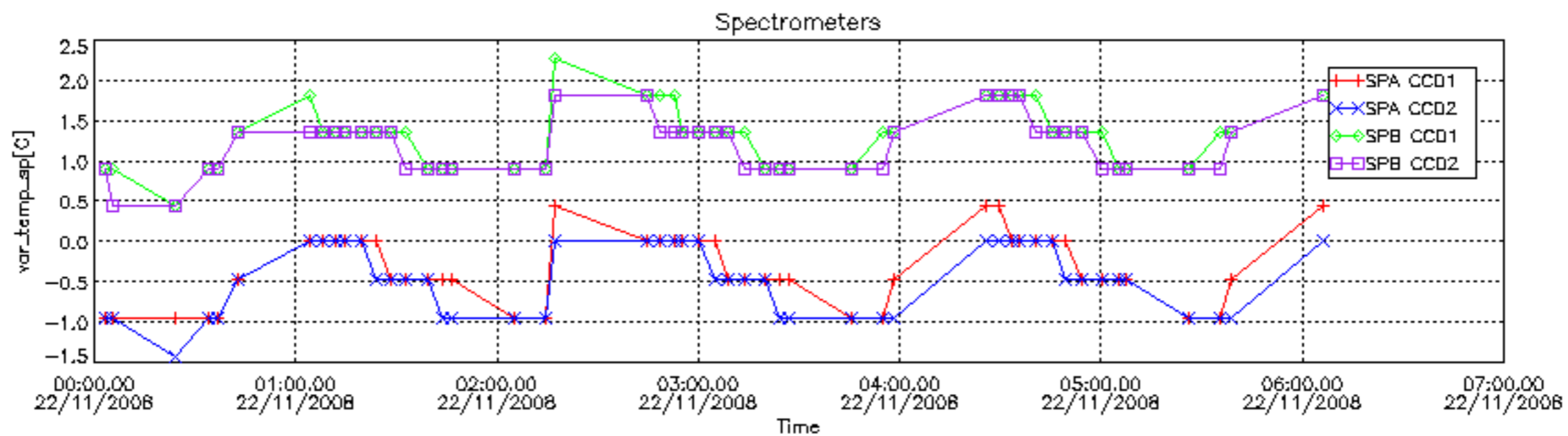


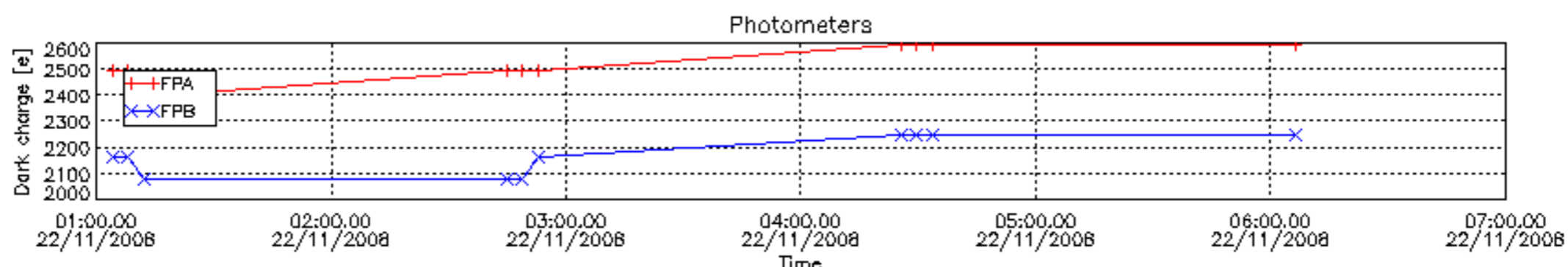
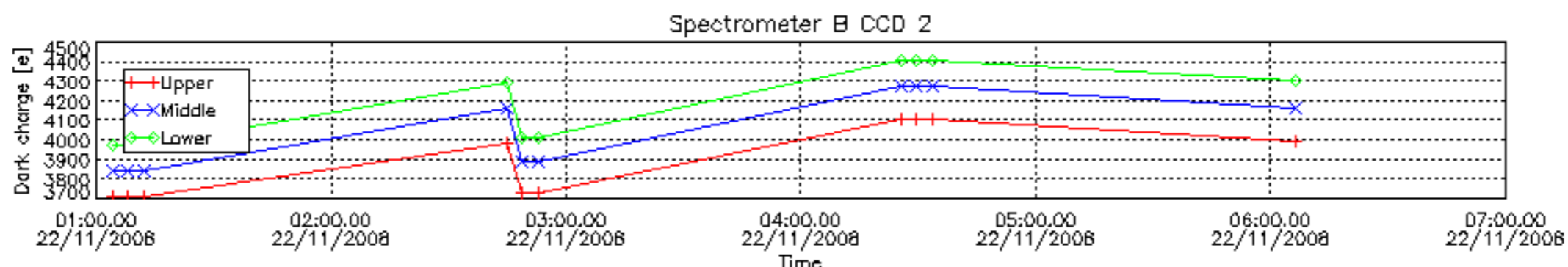
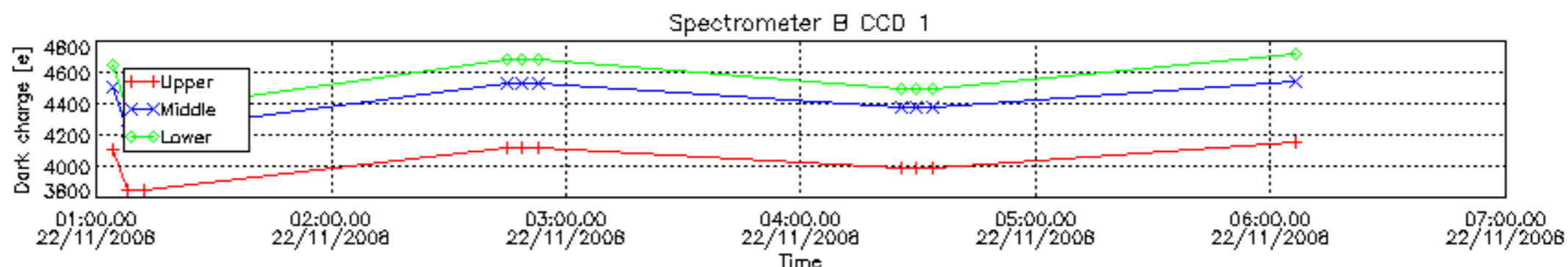
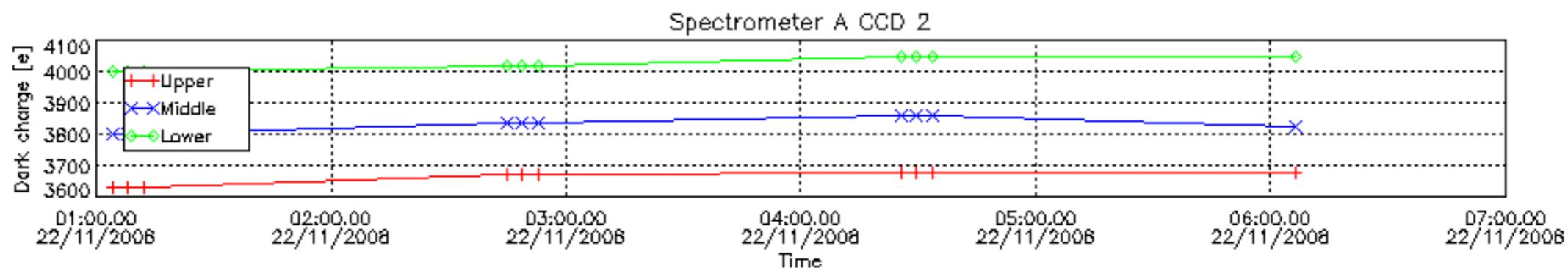
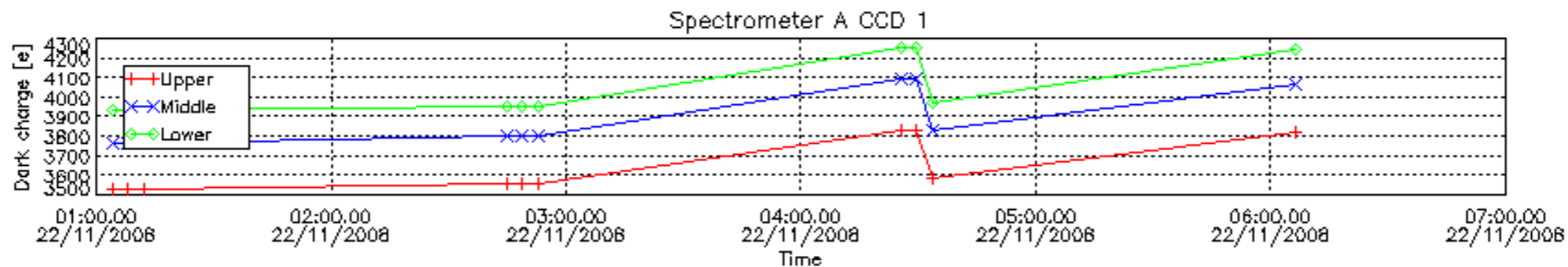
8. Auxiliary Data Files used for the production reported in section 2.4

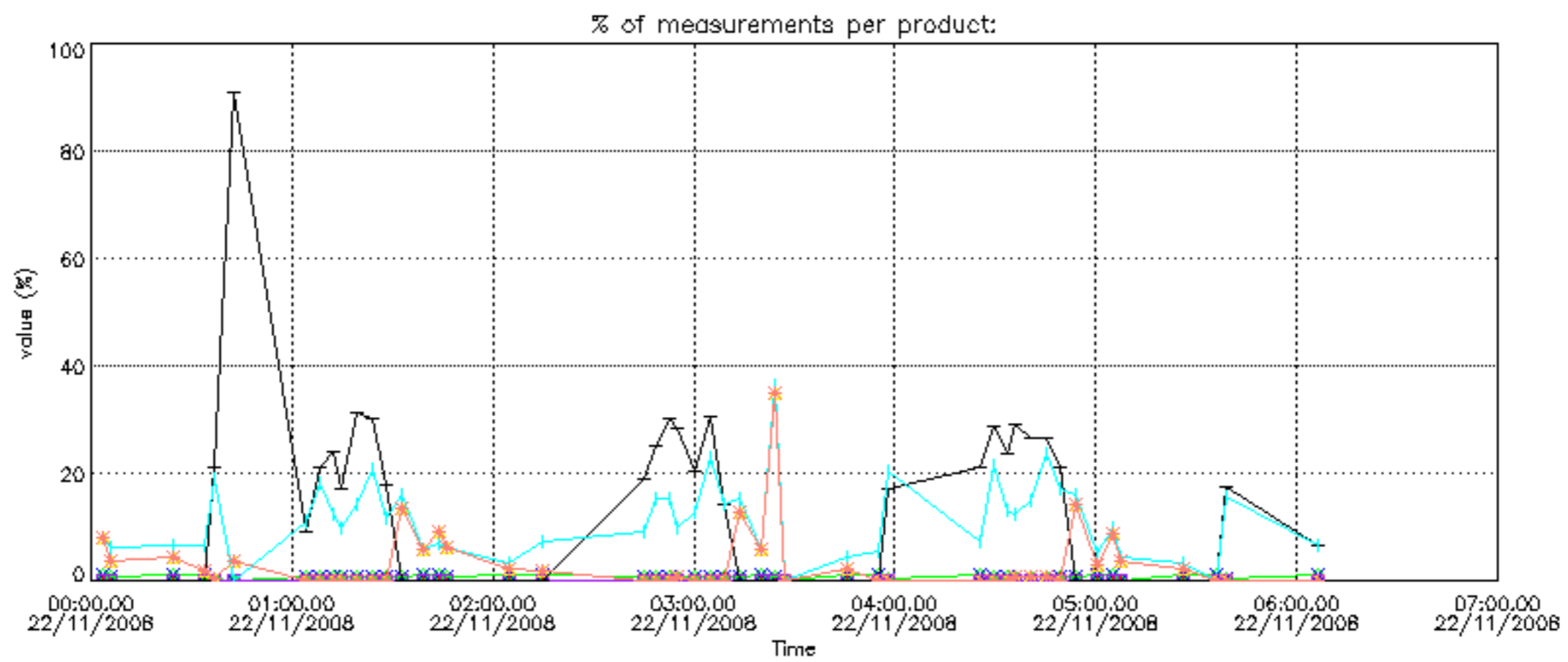
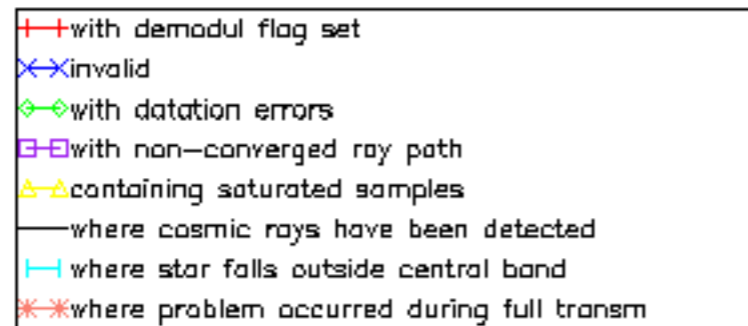
The number reported in the third column indicates since which file (see list in section 2.4) the corresponding auxiliary file has been used. The fourth column is the date of those product files.

Type	Auxiliary Filename	Used since product	Used since product date
INST_PHYS_CHARACTERISTICS	GOM_INS_AXNIEC20050627_150713_20030716_120000_20100101_000000	1	22-NOV-2008 00:03:15
CALIBRATION_DATABASE	GOM_CAL_AXVIEC20081117_091129_20081115_000000_20100101_000000	1	22-NOV-2008 00:03:15
LEVEL-1B_PROC_CONFIG	GOM_PR1_AXNIEC20050627_151042_20020301_000000_20100101_000000	1	22-NOV-2008 00:03:15
STAR_CATALOGUE	GOM_CAT_AXVIEC20020121_161009_20020101_000000_20200101_000000	1	22-NOV-2008 00:03:15
STELLAR_SPECTRA_DATABANK	GOM_STS_AXNIEC20040308_103538_20020101_160000_20100101_000000	1	22-NOV-2008 00:03:15
ECMWF_FILE	AUX_ECF_AXNECM20081121_072110_20081121_210000_20081122_090000	1	22-NOV-2008 00:03:15
ECMWF_FILE	AUX_ECF_AXNECM20081121_190112_20081122_030000_20081122_150000	32	22-NOV-2008 03:45:35
OPTIONAL_ECMWF_FILE	MISSING	1	22-NOV-2008 00:03:15
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20081121_211436_000060572074_00057_35181_6814.N1	1	22-NOV-2008 00:03:15
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20081121_230052_000057382074_00058_35182_6815.N1	7	22-NOV-2008 01:04:19
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20081122_021727_000041442074_00060_35184_6817.N1	20	22-NOV-2008 02:17:24
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20081122_033150_000057382074_00061_35185_6818.N1	46	22-NOV-2008 05:26:10

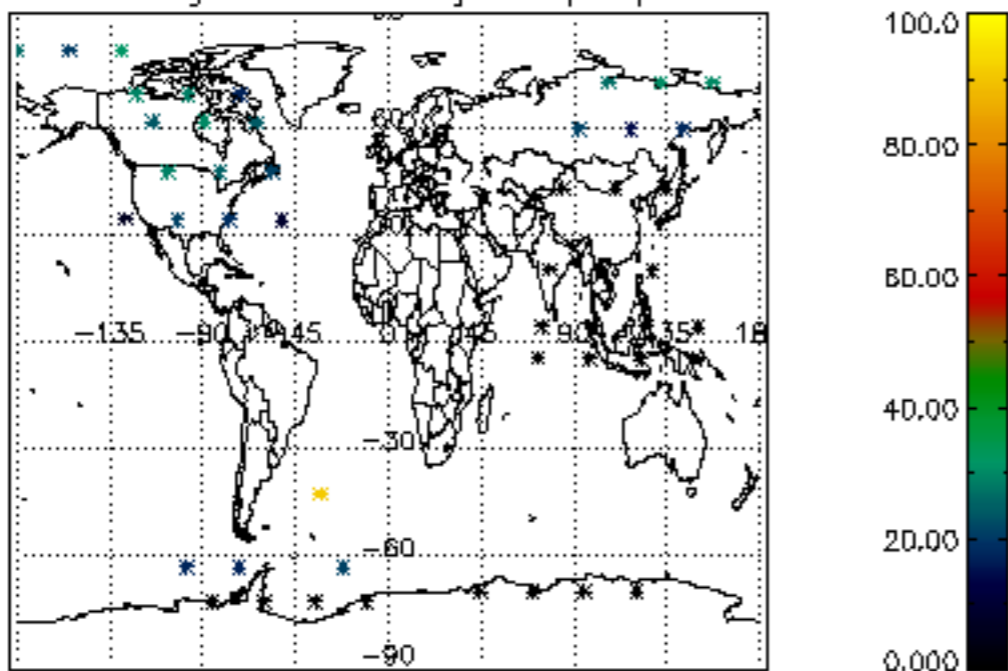




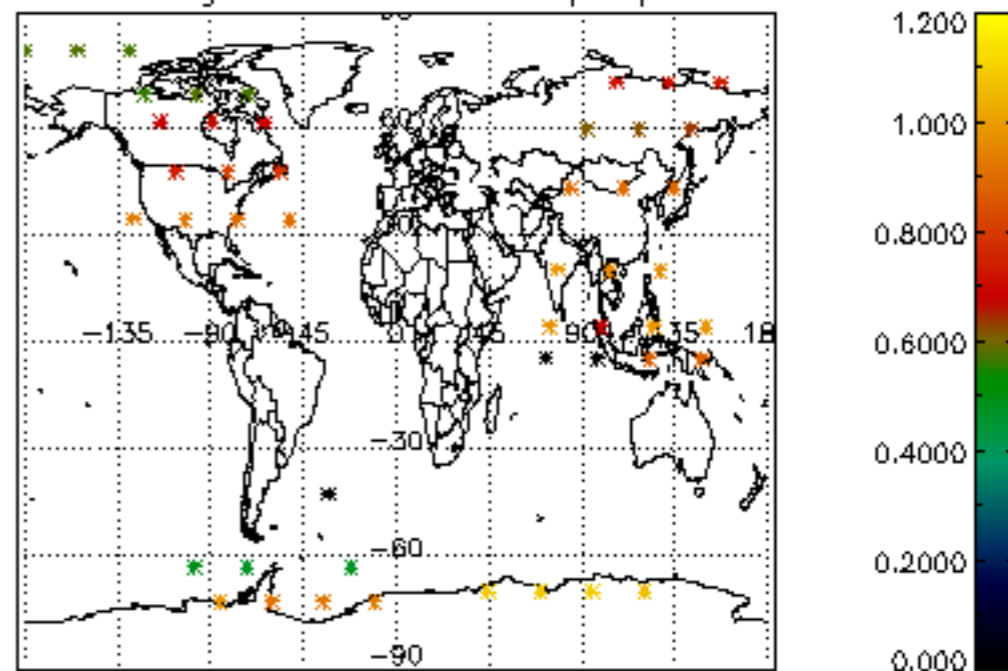




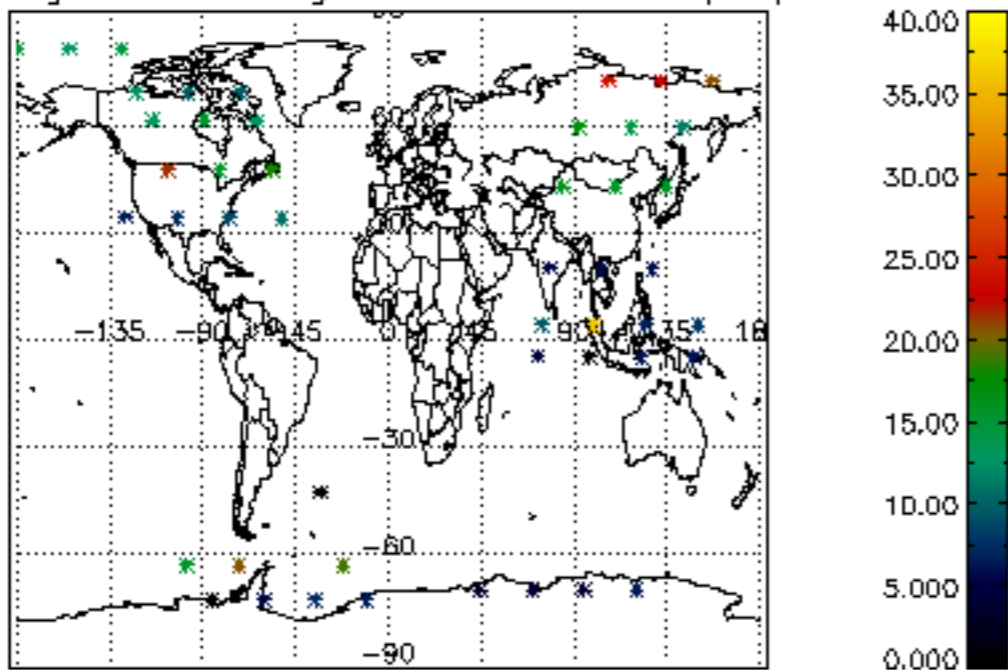
Percentage of cosmic ray hits per profile



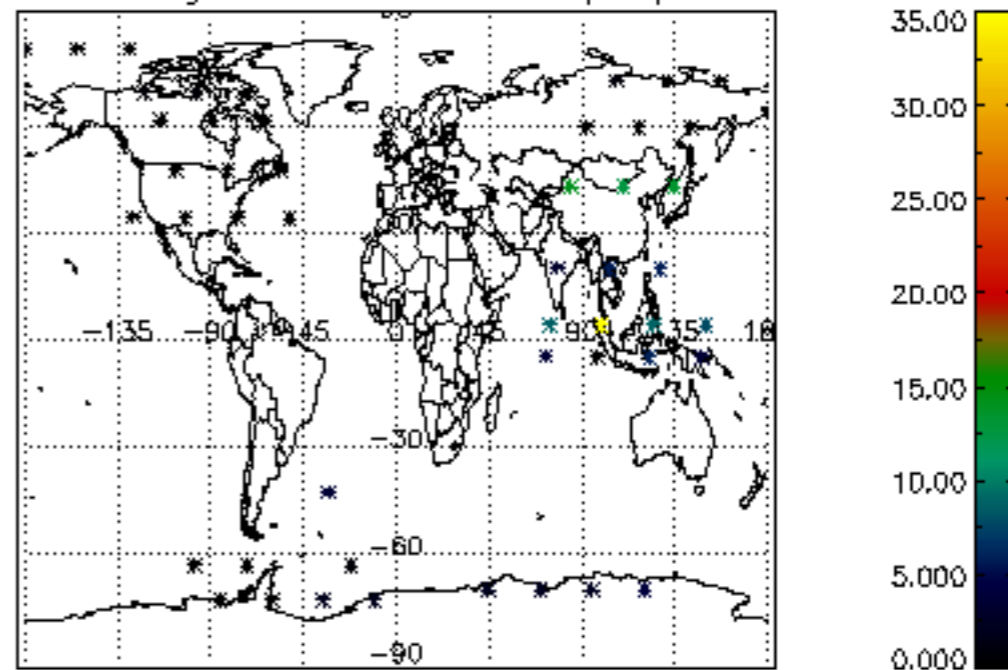
Percentage of datation errors per profile



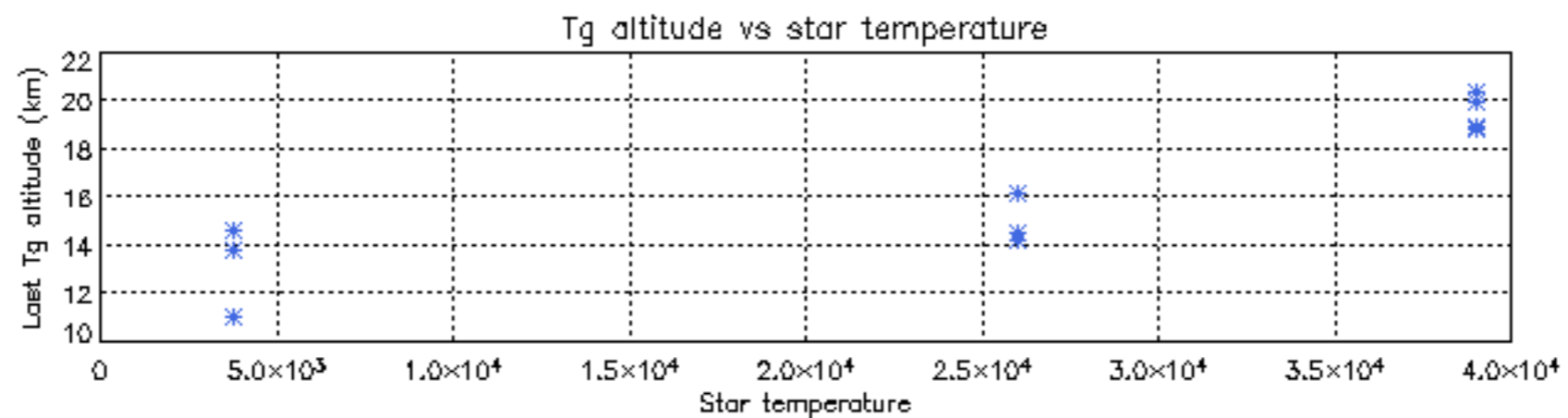
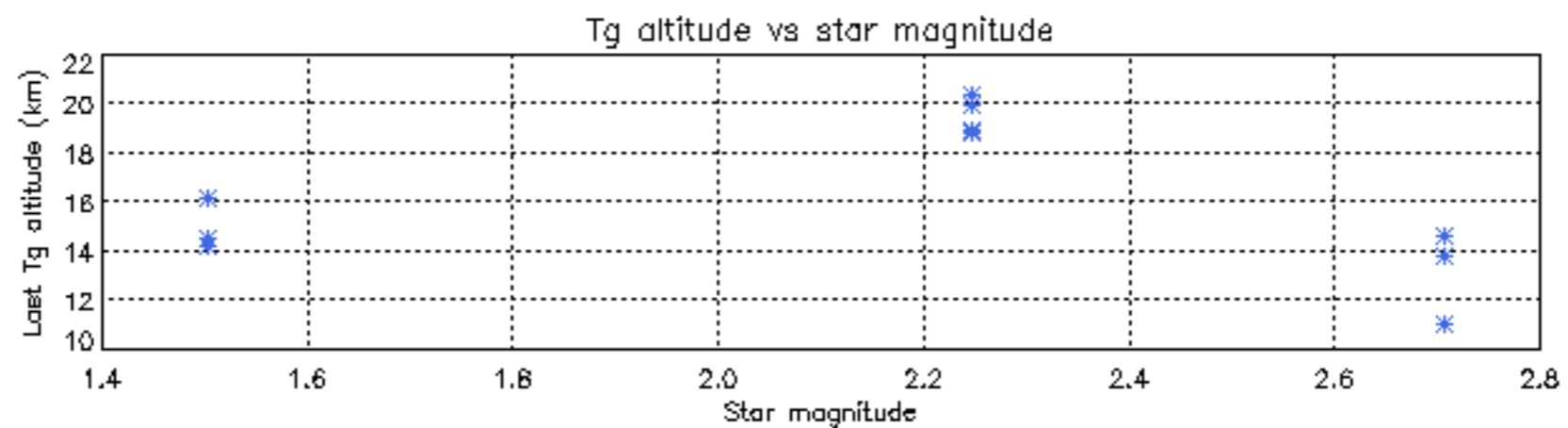
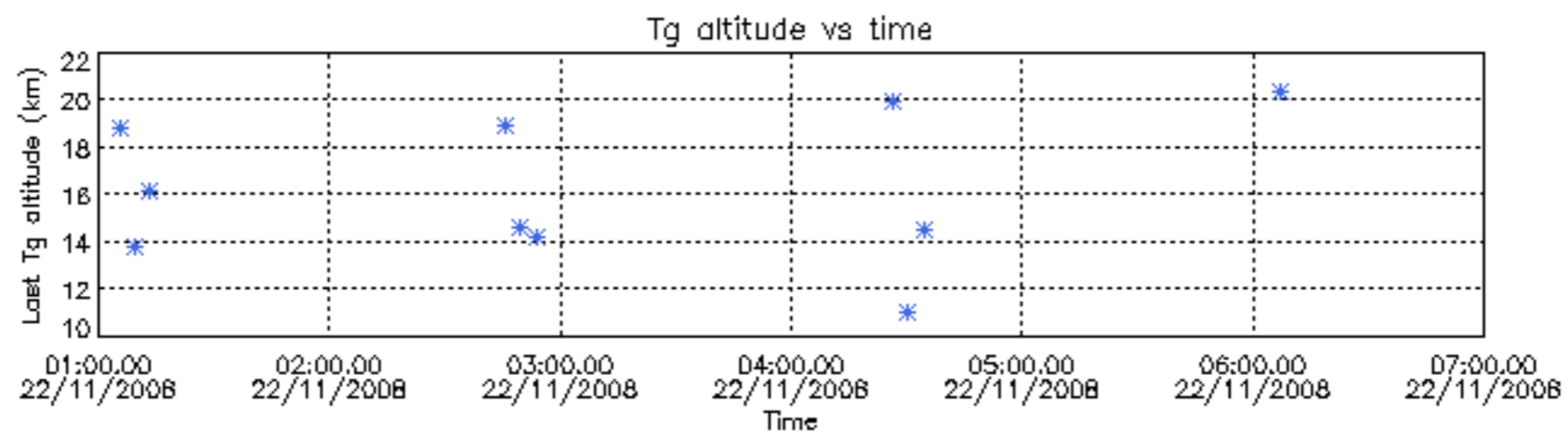
Percentage of star falling outside central band per profile



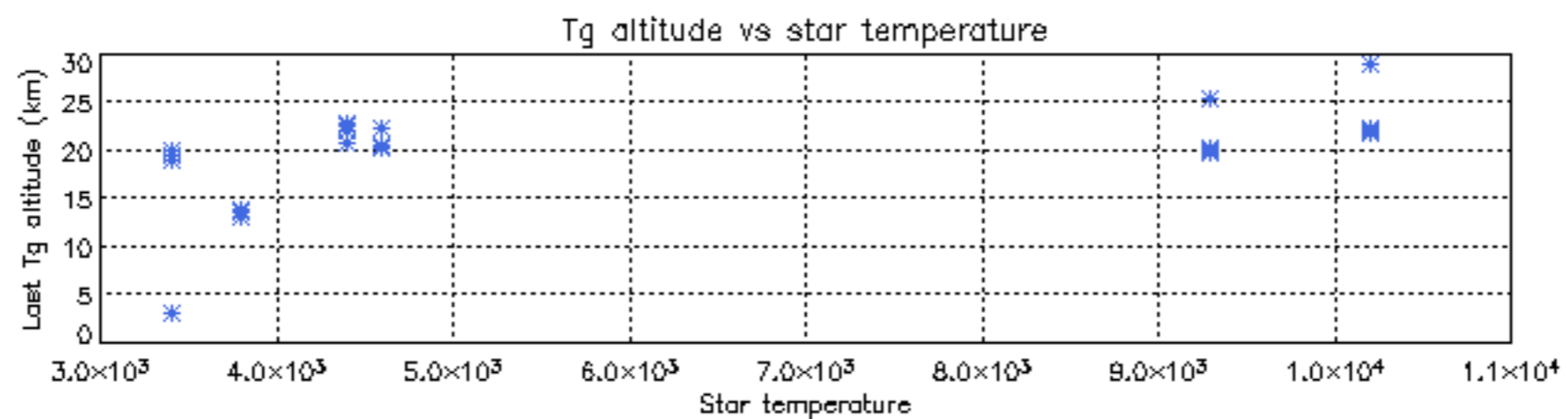
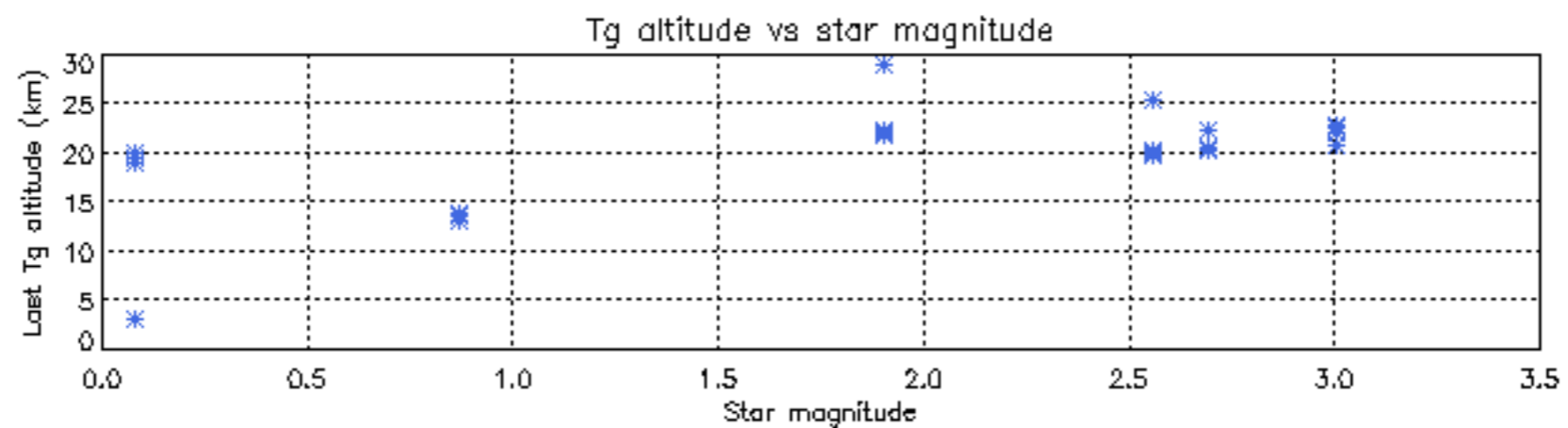
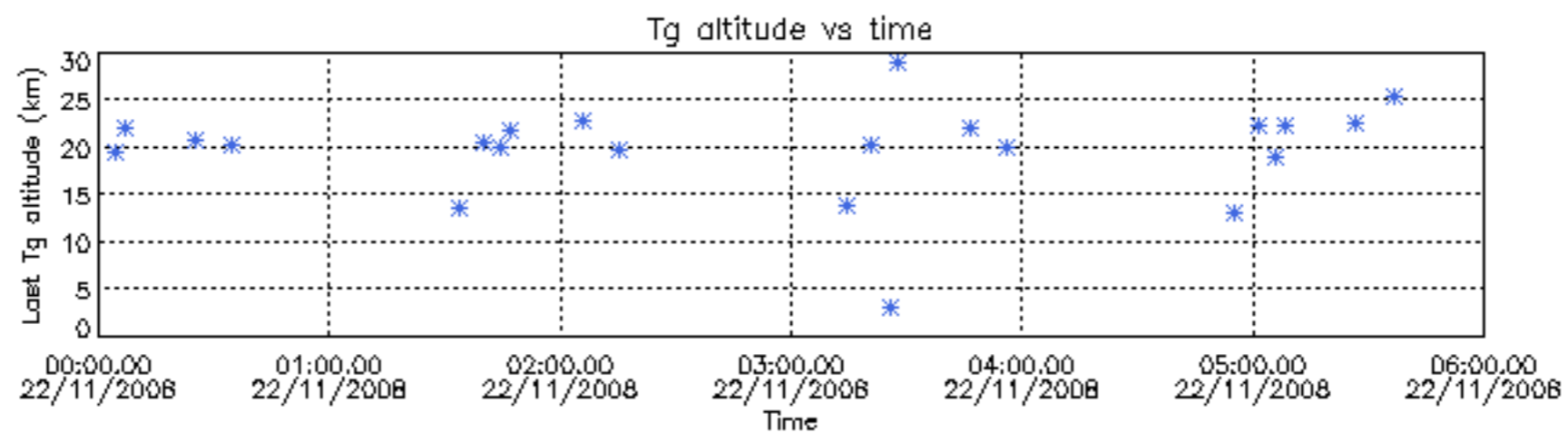
Percentage of saturation errors per profile

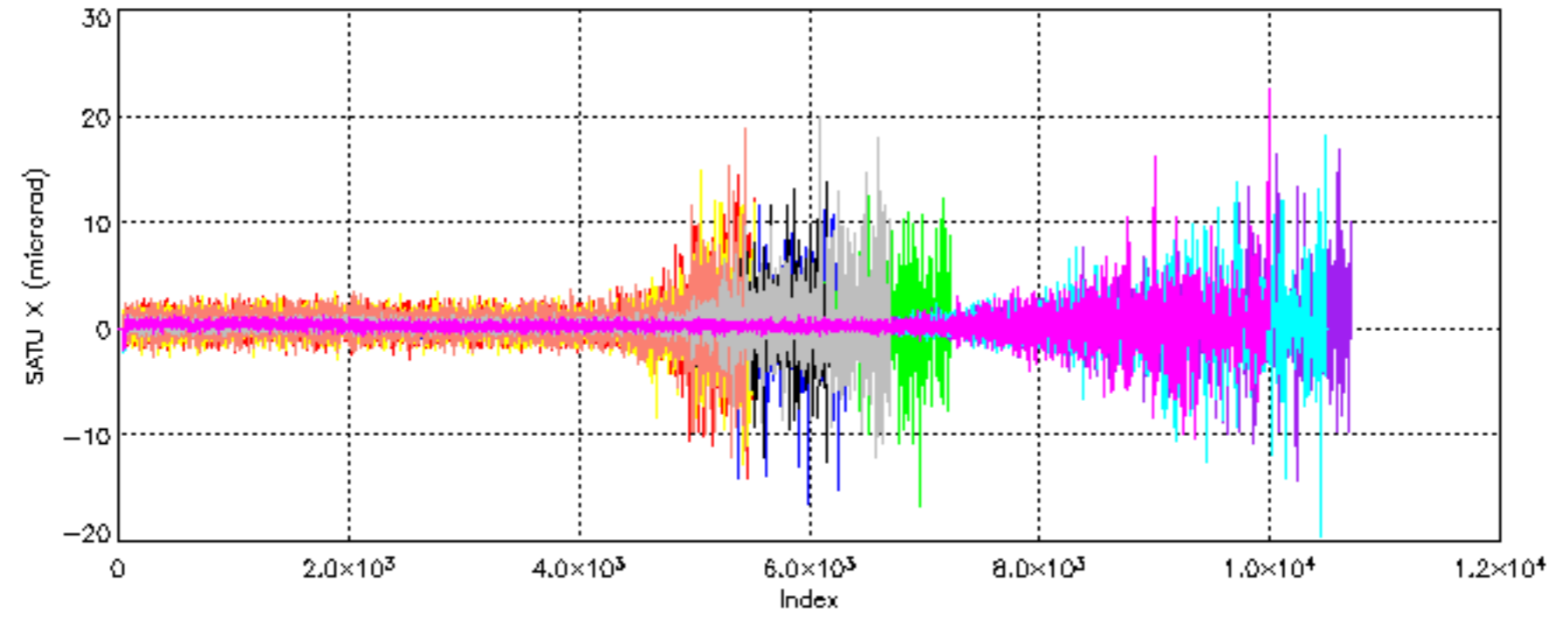


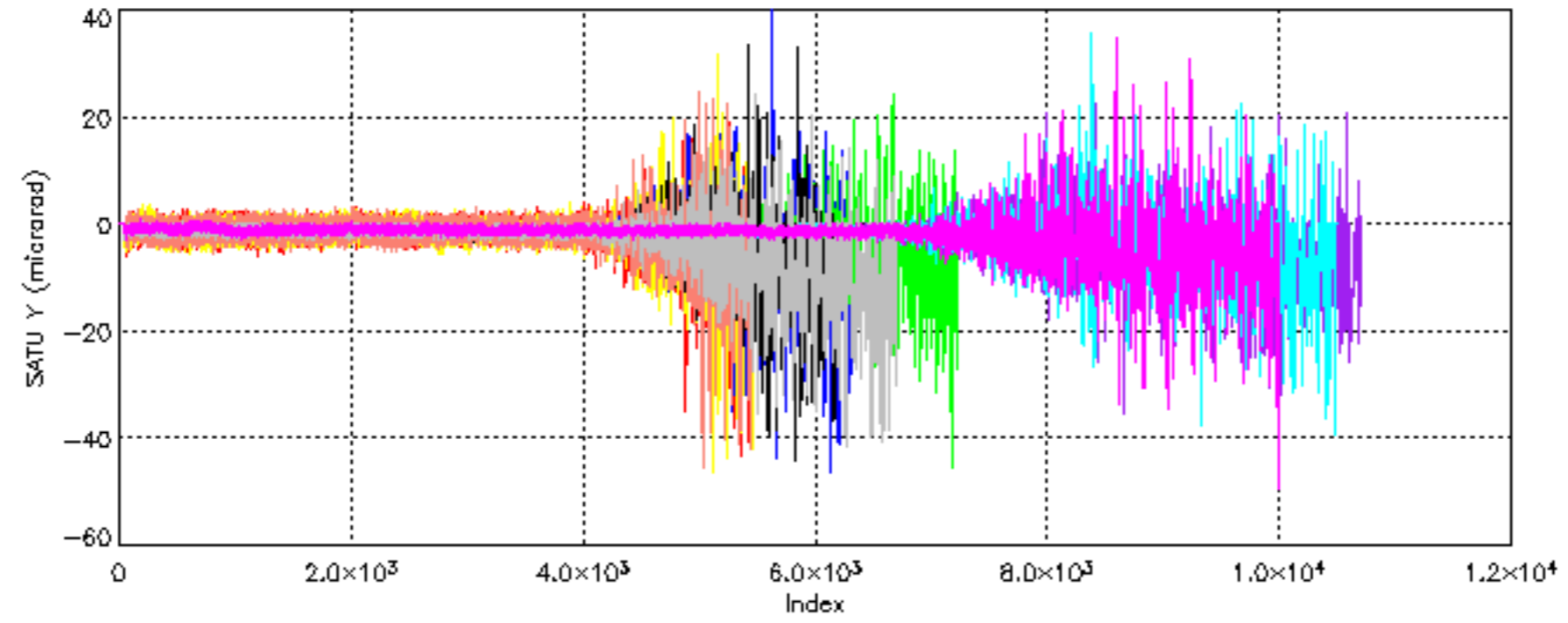
Tangent altitude at which the star is lost

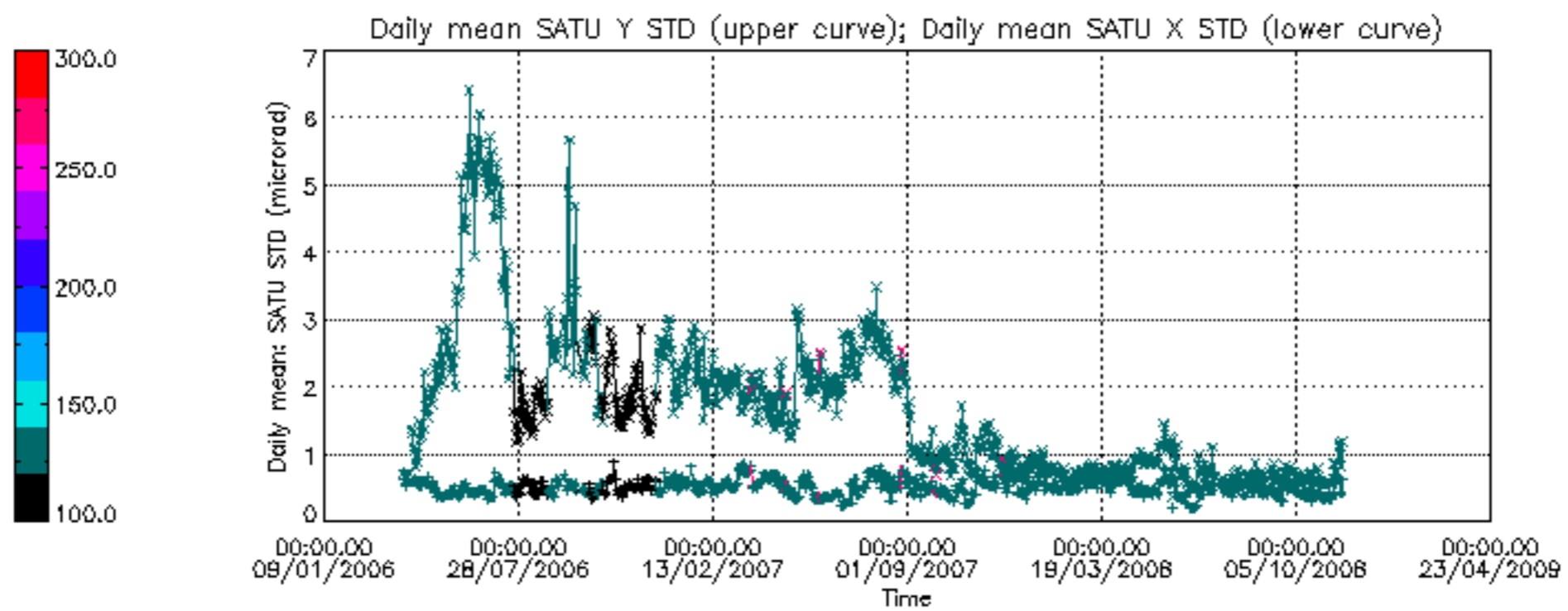


Tangent altitude at which the star is lost










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3; 2869.5; 01-NOV-2008 09:25:23; Bright; 84.5; 74; 11Bet Cas ; 2.27; 6600;occ; 169; 0;34888
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5; 2872.3; 06-NOV-2008 20:12:07; Bright; 37.0; 68; 18Alp Cas ; 2.22; 4500;occ; 74; 0;34966
6; 3423.0; 06-NOV-2008 20:21:18; Bright; 37.5; 49; 1Alp UMi ; 1.99; 6300;occ; 75; 0;34966
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8; 3902.4; 06-NOV-2008 20:29:18; Bright; 42.5; 36; 50Alp UMa ; 1.80; 6300;occ; 85; 0;34966
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4; 590.9; 06-NOV-2008 21:14:42; Dark ; 62.0; 2; Alp Car ; -0.74; 7000;occ; 124; 0;34967
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9; 4229.4; 06-NOV-2008 10:31:09; Bright; 39.5; 174; 52Psi UMa ; 3.00; 4400;occ; 79; 0;34960
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12; 6151.1; 06-NOV-2008 11:03:11; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;34960
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6; 3667.0; 06-NOV-2008 12:02:22; Bright; 38.0; 60; 7Bet UMi ; 2.08; 3950;occ; 76; 0;34961
7; 3903.1; 06-NOV-2008 12:06:18; Bright; 35.5; 36; 50Alp UMa ; 1.80; 6300;occ; 71; 0;34961
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9; 4229.4; 06-NOV-2008 12:11:45; Bright; 41.0; 174; 52Psi UMa ; 3.00; 4400;occ; 82; 0;34961
10; 4695.8; 06-NOV-2008 12:19:31; Bright; 41.0; 96; 68Del Leo ; 2.56; 9300;occ; 82; 0;34961
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12; 6151.9; 06-NOV-2008 12:43:47; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;34961
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5; 3423.2; 06-NOV-2008 13:38:54; Bright; 34.0; 49; 1Alp UMi ; 1.99; 6300;occ; 68; 0;34962
6; 3667.2; 06-NOV-2008 13:42:58; Bright; 33.5; 60; 7Bet UMi ; 2.08; 3950;occ; 67; 0;34962
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 5; 2634.7; 09-NOV-2008 20:13:54; Bright; 36.5; 73; 57Gam1And ; 2.26; 13100;occ; 73; 0;35009
 6; 2876.8; 09-NOV-2008 20:17:57; Bright; 36.5; 68; 18Alp Cas ; 2.22; 4500;occ; 73; 0;35009
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 9; 3994.1; 09-NOV-2008 20:36:34; Bright; 40.0; 82; 48Bet UMA ; 2.37; 10600;occ; 80; 0;35009
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11; 4319.7; 09-NOV-2008 20:41:59; Bright; 33.0; 152; 12Alp2CVn ; 2.89; 11000;occ; 66; 0;35009
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 6; 1181.1; 09-NOV-2008 23:10:53; Dark ; 39.0; 157; The1Eri ; 2.91; 9300;occ; 78; 0;35011
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9; 4228.0; 09-NOV-2008 15:38:40; Bright; 39.5; 174; 52Psi UMA ; 3.00; 4400;occ; 79; 0;35006
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7; 3422.9; 09-NOV-2008 17:05:51; Bright; 36.0; 49; 1Alp UMi ; 1.99; 6300;occ; 72; 0;35007
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 5; 623.3; 10-NOV-2008 00:42:11; Dark ; 48.0; 2; Alp Car ;-0.74; 7000;occ; 96; 0;35012
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 9; 2510.4; 10-NOV-2008 01:13:38; Bright; 36.0; 173; 4Bet Tri ; 3.00; 8900;occ; 72; 0;35012
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13; 3674.3; 10-NOV-2008 01:33:02; Bright; 35.0; 60; 7Bet UMi ; 2.08; 3950;occ; 70; 0;35012
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16; 4227.5; 10-NOV-2008 01:42:15; Bright; 42.5; 174; 52Psi UMA ; 3.00; 4400;occ; 85; 0;35012
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 6; 1181.7; 10-NOV-2008 02:32:05; Dark ; 40.0; 157; The1Eri ; 2.91; 9300;occ; 80; 0;35013
 7; 1982.5; 10-NOV-2008 02:45:26; Dark ; 49.5; 94; 92Alp Cet ; 2.53; 3100;occ; 99; 0;35013
 8; 2262.2; 10-NOV-2008 02:50:05; Bright; 37.5; 105; 6Bet Ari ; 2.64; 8900;occ; 75; 0;35013
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17; 3991.5; 10-NOV-2008 23:26:06; Bright; 40.5; 82; 48Bet UMA ; 2.37; 10600;occ; 81; 0;35025
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 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
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 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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 9; 159.5; 10-NOV-2008 07:16:51; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;35016
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 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
18; 7219.1; 10-NOV-2008 10:55:06; Dark ; 38.5; 157; The1Eri ; 2.91; 9300;occ; 77; 0;35017
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 6; 3422.7; 10-NOV-2008 11:32:26; Bright; 36.5; 49; 1Alp UMi ; 1.99; 6300;occ; 73; 0;35018
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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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13; 5386.6; 10-NOV-2008 12:05:10; Dark ; 38.5; 171; 2Eps Crv ; 3.00; 4250;occ; 77; 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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11; 4321.0; 10-NOV-2008 13:28:00; Bright; 48.5; 152; 12Alp2CVn ; 2.89; 11000;occ; 97; 0;35019
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13; 5387.0; 10-NOV-2008 13:45:46; Dark ; 43.0; 171; 2Eps Crv ; 3.00; 4250;occ; 86; 0;35019
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 10; 3894.1; 10-NOV-2008 18:22:41; Bright; 37.0; 36; 50Alp UMa ; 1.80; 6300;occ; 74; 0;35022
 11; 3992.1; 10-NOV-2008 18:24:19; Bright; 39.5; 82; 48Bet UMa ; 2.37; 10600;occ; 79; 0;35022
 12; 4227.3; 10-NOV-2008 18:28:14; Bright; 41.0; 174; 52Psi UMa ; 3.00; 4400;occ; 82; 0;35022
 13; 4321.4; 10-NOV-2008 18:29:48; Bright; 52.0; 152; 12Alp2CVn ; 2.89; 11000;occ; 104; 0;35022
 14; 4786.8; 10-NOV-2008 18:37:34; Bright; 38.5; 62; 94Bet Leo ; 2.14; 9700;occ; 77; 0;35022
 15; 5298.2; 10-NOV-2008 18:46:05; Dark ; 40.5; 100; 4Gam Crv ; 2.58; 13100;occ; 81; 0;35022
 16; 5388.1; 10-NOV-2008 18:47:35; Dark ; 40.0; 171; 2Eps Crv ; 3.00; 4250;occ; 80; 0;35022
 17; 5933.2; 10-NOV-2008 18:56:40; Dark ; 39.0; 113; Mu Vel ; 2.69; 5000;occ; 78; 0;35022
 18; 6201.2; 10-NOV-2008 19:01:08; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;35022
 19; 6295.7; 10-NOV-2008 19:02:42; Dark ; 46.0; 29; Bet Car ; 1.67; 10200;occ; 92; 0;35022
 20; 6667.3; 10-NOV-2008 19:08:54; Dark ; 61.5; 2; Alp Car ; -0.74; 7000;occ; 123; 0;35022

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 3; 2262.3; 10-NOV-2008 19:36:05; Bright; 37.0; 105; 6Bet Ari ; 2.64; 8900;occ; 74; 0;35023
 4; 2509.2; 10-NOV-2008 19:40:12; Bright; 36.0; 173; 4Bet Tri ; 3.00; 8900;occ; 72; 0;35023
 5; 2633.1; 10-NOV-2008 19:42:16; Bright; 36.0; 73; 57Gam1And ; 2.26; 13100;occ; 72; 0;35023
 6; 2842.8; 10-NOV-2008 19:45:45; Bright; 43.0; 35; 33Alp Per ; 1.79; 6250;occ; 86; 0;35023
 7; 2941.5; 10-NOV-2008 19:47:24; Bright; 34.5; 76; 27Gam Cas ; 2.30; 30000;occ; 69; 0;35023
 8; 3422.8; 10-NOV-2008 19:55:25; Bright; 37.0; 49; 1Alp UMi ; 1.99; 6300;occ; 74; 0;35023
 9; 3675.8; 10-NOV-2008 19:59:39; Bright; 36.0; 60; 7Bet UMi ; 2.08; 3950;occ; 72; 0;35023
 10; 3893.9; 10-NOV-2008 20:03:17; Bright; 40.0; 36; 50Alp UMa ; 1.80; 6300;occ; 80; 0;35023
 11; 3991.9; 10-NOV-2008 20:04:55; Bright; 37.5; 82; 48Bet UMa ; 2.37; 10600;occ; 75; 0;35023
 12; 4227.1; 10-NOV-2008 20:08:50; Bright; 41.0; 174; 52Psi UMa ; 3.00; 4400;occ; 82; 0;35023
 13; 4321.5; 10-NOV-2008 20:10:24; Bright; 34.5; 152; 12Alp2CVn ; 2.89; 11000;occ; 69; 0;35023
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 15; 5298.6; 10-NOV-2008 20:26:41; Dark ; 39.0; 100; 4Gam Crv ; 2.58; 13100;occ; 78; 0;35023
 16; 5388.4; 10-NOV-2008 20:28:11; Dark ; 39.0; 171; 2Eps Crv ; 3.00; 4250;occ; 78; 0;35023
 17; 5933.7; 10-NOV-2008 20:37:16; Dark ; 43.0; 113; Mu Vel ; 2.69; 5000;occ; 86; 0;35023
 18; 6202.0; 10-NOV-2008 20:41:45; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;35023
 19; 6296.0; 10-NOV-2008 20:43:19; Dark ; 38.0; 29; Bet Car ; 1.67; 10200;occ; 76; 0;35023
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 3; -100.5; 11-NOV-2008 01:39:06; Dark ; 44.5; 113; Mu Vel ; 2.69; 5000;occ; 89; 0;35026
 4; 168.5; 11-NOV-2008 01:43:35; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;35027
 5; 261.2; 11-NOV-2008 01:45:07; Dark ; 37.5; 29; Bet Car ; 1.67; 10200;occ; 75; 0;35027
 6; 634.1; 11-NOV-2008 01:51:20; Dark ; 51.0; 2; Alp Car ; -0.74; 7000;occ; 102; 0;35027
 7; 1185.3; 11-NOV-2008 02:00:32; Dark ; 39.0; 157; The1Eri ; 2.91; 9300;occ; 78; 0;35027
 8; 1980.8; 11-NOV-2008 02:13:47; Dark ; 50.5; 94; 92Alp Cet ; 2.53; 3100;occ; 101; 0;35027
 9; 2262.4; 11-NOV-2008 02:18:29; Bright; 37.5; 105; 6Bet Ari ; 2.64; 8900;occ; 75; 0;35027
 10; 2509.0; 11-NOV-2008 02:22:35; Bright; 36.0; 173; 4Bet Tri ; 3.00; 8900;occ; 72; 0;35027
 11; 2632.7; 11-NOV-2008 02:24:39; Bright; 37.0; 73; 57Gam1And ; 2.26; 13100;occ; 74; 0;35027
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 13; 2930.0; 11-NOV-2008 02:29:36; Bright; 34.5; 110; 37Del Cas ; 2.68; 8900;occ; 69; 0;35027
 14; 3422.7; 11-NOV-2008 02:37:49; Bright; 32.0; 49; 1Alp UMi ; 1.99; 6300;occ; 64; 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
4; -1714.1; 11-NOV-2008 02:52:48; Bright; 34.5; 152; 12Alp2CVn ; 2.89; 11000;occ; 69; 0;35027
5; -1247.4; 11-NOV-2008 03:00:35; Bright; 39.0; 62; 94Bet Leo ; 2.14; 9700;occ; 78; 0;35027
6; -735.8; 11-NOV-2008 03:09:06; Dark ; 41.0; 100; 4Gam Crv ; 2.58; 13100;occ; 82; 0;35027
7; -645.9; 11-NOV-2008 03:10:36; Dark ; 42.0; 171; 2Eps Crv ; 3.00; 4250;occ; 84; 0;35027
8; -100.0; 11-NOV-2008 03:19:42; Dark ; 38.5; 113; Mu Vel ; 2.69; 5000;occ; 77; 0;35027
9; 169.3; 11-NOV-2008 03:24:11; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;35028
10; 261.7; 11-NOV-2008 03:25:44; Dark ; 38.5; 29; Bet Car ; 1.67; 10200;occ; 77; 0;35028
11; 634.8; 11-NOV-2008 03:31:57; Dark ; 61.5; 2; Alp Car ; -0.74; 7000;occ; 123; 0;35028
12; 1185.7; 11-NOV-2008 03:41:08; Dark ; 39.5; 157; The1Eri ; 2.91; 9300;occ; 79; 0;35028
13; 1980.8; 11-NOV-2008 03:54:23; Dark ; 50.5; 94; 92Alp Cet ; 2.53; 3100;occ; 101; 0;35028
14; 2262.5; 11-NOV-2008 03:59:05; Bright; 36.0; 105; 6Bet Ari ; 2.64; 8900;occ; 72; 0;35028
15; 2509.0; 11-NOV-2008 04:03:11; Bright; 35.5; 173; 4Bet Tri ; 3.00; 8900;occ; 71; 0;35028
16; 2632.7; 11-NOV-2008 04:05:15; Bright; 37.0; 73; 57Gam1And ; 2.26; 13100;occ; 74; 0;35028
17; 2840.6; 11-NOV-2008 04:08:43; Bright; 41.0; 35; 33Alp Per ; 1.79; 6250;occ; 82; 0;35028
18; 2930.1; 11-NOV-2008 04:10:12; Bright; 34.5; 110; 37Del Cas ; 2.68; 8900;occ; 69; 0;35028
19; 3422.9; 11-NOV-2008 04:18:25; Bright; 34.0; 49; 1Alp UMi ; 1.99; 6300;occ; 68; 0;35028
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4; -1809.0; 11-NOV-2008 04:31:49; Bright; 39.5; 174; 52Psi UMA ; 3.00; 4400;occ; 79; 0;35028
5; -1713.8; 11-NOV-2008 04:33:24; Bright; 33.5; 152; 12Alp2CVn ; 2.89; 11000;occ; 67; 0;35028
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7; -735.3; 11-NOV-2008 04:49:43; Dark ; 39.5; 100; 4Gam Crv ; 2.58; 13100;occ; 79; 0;35028
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9; -99.6; 11-NOV-2008 05:00:19; Dark ; 39.5; 113; Mu Vel ; 2.69; 5000;occ; 79; 0;35028
10; 170.2; 11-NOV-2008 05:04:48; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;35029
11; 262.0; 11-NOV-2008 05:06:20; Dark ; 37.5; 29; Bet Car ; 1.67; 10200;occ; 75; 0;35029
12; 635.5; 11-NOV-2008 05:12:34; Dark ; 60.0; 2; Alp Car ; -0.74; 7000;occ; 120; 0;35029
13; 1185.9; 11-NOV-2008 05:21:44; Dark ; 39.0; 157; The1Eri ; 2.91; 9300;occ; 78; 0;35029
14; 1980.7; 11-NOV-2008 05:34:59; Dark ; 49.0; 94; 92Alp Cet ; 2.53; 3100;occ; 98; 0;35029
15; 2262.4; 11-NOV-2008 05:39:41; Bright; 36.5; 105; 6Bet Ari ; 2.64; 8900;occ; 73; 0;35029
16; 2508.7; 11-NOV-2008 05:43:47; Bright; 35.0; 173; 4Bet Tri ; 3.00; 8900;occ; 70; 0;35029
17; 2632.6; 11-NOV-2008 05:45:51; Bright; 38.5; 73; 57Gam1And ; 2.26; 13100;occ; 77; 0;35029
18; 2840.2; 11-NOV-2008 05:49:18; Bright; 39.5; 35; 33Alp Per ; 1.79; 6250;occ; 79; 0;35029
19; 2930.1; 11-NOV-2008 05:50:48; Bright; 35.0; 110; 37Del Cas ; 2.68; 8900;occ; 70; 0;35029
20; 3422.8; 11-NOV-2008 05:59:01; Bright; 36.5; 49; 1Alp UMi ; 1.99; 6300;occ; 73; 0;35029
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2; 1979.6; 11-NOV-2008 20:40:21; Dark ; 49.0; 94; 92Alp Cet ; 2.53; 3100;occ; 98; 0;35038
3; 2262.4; 11-NOV-2008 20:45:04; Bright; 37.0; 105; 6Bet Ari ; 2.64; 8900;occ; 74; 0;35038
4; 2507.7; 11-NOV-2008 20:49:09; Bright; 36.5; 173; 4Bet Tri ; 3.00; 8900;occ; 73; 0;35038
5; 2631.7; 11-NOV-2008 20:51:13; Bright; 37.5; 73; 57Gam1And ; 2.26; 13100;occ; 75; 0;35038
6; 2836.3; 11-NOV-2008 20:54:38; Bright; 38.0; 35; 33Alp Per ; 1.79; 6250;occ; 76; 0;35038
7; 2930.0; 11-NOV-2008 20:56:12; Bright; 35.0; 110; 37Del Cas ; 2.68; 8900;occ; 70; 0;35038
8; 3422.7; 11-NOV-2008 21:04:24; Bright; 37.0; 49; 1Alp UMi ; 1.99; 6300;occ; 74; 0;35038
9; 3677.8; 11-NOV-2008 21:08:39; Bright; 36.0; 60; 7Bet UMi ; 2.08; 3950;occ; 72; 0;35038
10; 3891.3; 11-NOV-2008 21:12:13; Bright; 39.5; 36; 50Alp UMA ; 1.80; 6300;occ; 79; 0;35038
11; 3989.5; 11-NOV-2008 21:13:51; Bright; 39.5; 82; 48Bet UMA ; 2.37; 10600;occ; 79; 0;35038
12; 4323.6; 11-NOV-2008 21:19:25; Bright; 33.5; 152; 12Alp2CVn ; 2.89; 11000;occ; 67; 0;35038
13; 4792.2; 11-NOV-2008 21:27:14; Bright; 40.0; 62; 94Bet Leo ; 2.14; 9700;occ; 80; 0;35038
14; 5304.3; 11-NOV-2008 21:35:46; Dark ; 35.0; 100; 4Gam Crv ; 2.58; 13100;occ; 70; 0;35038
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3; -94.0; 11-NOV-2008 21:46:23; Dark ; 39.0; 113; Mu Vel ; 2.69; 5000;occ; 78; 0;35038
4; 178.4; 11-NOV-2008 21:50:56; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;35039
5; 350.4; 11-NOV-2008 21:53:48; Dark ; 49.0; 34; Gam2Vel ; 1.79; 23000;occ; 98; 0;35039
6; 642.5; 11-NOV-2008 21:58:40; Dark ; 47.5; 2; Alp Car ; -0.74; 7000;occ; 95; 0;35039
7; 1188.5; 11-NOV-2008 22:07:46; Dark ; 40.0; 157; The1Eri ; 2.91; 9300;occ; 80; 0;35039
8; 1979.5; 11-NOV-2008 22:20:57; Dark ; 49.0; 94; 92Alp Cet ; 2.53; 3100;occ; 98; 0;35039
9; 2262.3; 11-NOV-2008 22:25:40; Bright; 36.0; 105; 6Bet Ari ; 2.64; 8900;occ; 72; 0;35039

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 13; 2930.1; 11-NOV-2008 22:36:48; Bright; 40.0; 110; 37Del Cas ; 2.68; 8900;occ; 80; 0;35039
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 16; 3891.1; 11-NOV-2008 22:52:49; Bright; 40.0; 36; 50Alp UMA ; 1.80; 6300;occ; 80; 0;35039
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 18; 4323.6; 11-NOV-2008 23:00:01; Bright; 33.5; 152; 12Alp2CVn ; 2.89; 11000;occ; 67; 0;35039
 19; 4792.4; 11-NOV-2008 23:07:50; Bright; 48.0; 62; 94Bet Leo ; 2.14; 9700;occ; 96; 0;35039
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 4; 179.2; 11-NOV-2008 23:31:32; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;35040
 5; 351.4; 11-NOV-2008 23:34:25; Dark ; 47.0; 34; Gam2Vel ; 1.79; 23000;occ; 94; 0;35040
 6; 643.2; 11-NOV-2008 23:39:16; Dark ; 59.5; 2; Alp Car ;-0.74; 7000;occ; 119; 0;35040
 7; 1188.7; 11-NOV-2008 23:48:22; Dark ; 38.5; 157; The1Eri ; 2.91; 9300;occ; 77; 0;35040
 8; 1979.4; 12-NOV-2008 00:01:33; Dark ; 50.0; 94; 92Alp Cet ; 2.53; 3100;occ; 100; 0;35040
 9; 2262.5; 12-NOV-2008 00:06:16; Bright; 37.0; 105; 6Bet Ari ; 2.64; 8900;occ; 74; 0;35040
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 12; 2835.4; 12-NOV-2008 00:15:49; Bright; 39.0; 35; 33Alp Per ; 1.79; 6250;occ; 78; 0;35040
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 17; 3989.3; 12-NOV-2008 00:35:03; Bright; 39.0; 82; 48Bet UMA ; 2.37; 10600;occ; 78; 0;35040
 18; 4323.5; 12-NOV-2008 00:40:37; Bright; 34.0; 152; 12Alp2CVn ; 2.89; 11000;occ; 68; 0;35040
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 20; 5305.0; 12-NOV-2008 00:56:58; Dark ; 13.5; 100; 4Gam Crv ; 2.58; 13100;occ; 27; 0;35040

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6; 190.0; 12-NOV-2008 21:19:30; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;35053
7; 363.9; 12-NOV-2008 21:22:24; Dark ; 49.0; 34; Gam2Vel ; 1.79; 23000;occ; 98; 0;35053
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16; 3422.5; 12-NOV-2008 22:13:23; Bright; 36.5; 49; 1Alp UMi ; 1.99; 6300;occ; 73; 0;35053
17; 3679.6; 12-NOV-2008 22:17:40; Bright; 36.0; 60; 7Bet UMi ; 2.08; 3950;occ; 72; 0;35053
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19; 3986.9; 12-NOV-2008 22:22:47; Bright; 41.0; 82; 48Bet UMA ; 2.37; 10600;occ; 82; 0;35053
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22; 4797.1; 12-NOV-2008 22:36:17; Bright; 47.5; 62; 94Bet Leo ; 2.14; 9700;occ; 95; 0;35053
23; 5012.0; 12-NOV-2008 22:39:52; Bright; 34.5; 121; 29Gam Vir ; 2.74; 7200;occ; 69; 0;35053
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9; 1977.9; 12-NOV-2008 23:29:54; Dark ; 48.0; 94; 92Alp Cet ; 2.53; 3100;occ; 96; 0;35054
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5; -729.1; 12-NOV-2008 07:39:24; Dark ; 38.0; 100; 4Gam Crv ; 2.58; 13100;occ; 76; 0;35044
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 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
 16; 5411.5; 14-NOV-2008 15:00:54; Dark ; 40.5; 171; 2Eps Crv ; 3.00; 4250;occ; 81; 0;35077
 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
 20; 6424.4; 14-NOV-2008 15:17:47; Dark ; 34.0; 34; Gam2Vel ; 1.79; 23000;occ; 68; 0;35077
 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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 2; 2263.8; 14-NOV-2008 15:49:02; Bright; 37.0; 105; 6Bet Ari ; 2.64; 8900;occ; 74; 0;35078
 3; 2504.7; 14-NOV-2008 15:53:03; Bright; 36.5; 173; 4Bet Tri ; 3.00; 8900;occ; 73; 0;35078
 4; 2628.8; 14-NOV-2008 15:55:07; Bright; 37.0; 73; 57Gam1And ; 2.26; 13100;occ; 74; 0;35078
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 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
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 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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1; 422.2; 14-NOV-2008 18:39:32; Dark ; 59.5; 0; 0.00; 0;occ; 119; 0;35080
 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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1; 951.0; 14-NOV-2008 18:48:21; Dark ; 81.0; 23; 21Eps CMa ; 1.50; 26000;occ; 162; 48;35080
 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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1; -1196.3; 15-NOV-2008 02:35:33; Bright; 88.5; 166; 17Eps Leo ; 2.98; 6000;occ; 177; 0;35084
 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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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
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 5; 692.8; 15-NOV-2008 06:28:15; Dark ; 61.0; 117; Pi Pup ; 2.71; 3800;occ; 122; 0;35087
 6; 799.4; 15-NOV-2008 06:30:01; Dark ; 77.0; 88; 31Eta CMa ; 2.45; 20000;occ; 154; 0;35087
 7; 935.9; 15-NOV-2008 06:32:18; Dark ; 81.5; 23; 21Eps CMa ; 1.50; 26000;occ; 163; 0;35087
 8; 1077.8; 15-NOV-2008 06:34:39; Dark ; 53.0; 108; Alp Col ; 2.65; 15200;occ; 106; 0;35087
 9; 1452.4; 15-NOV-2008 06:40:54; Dark ; 38.0; 47; 2Bet CMa ; 1.98; 28000;occ; 76; 0;35087
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11; 1920.2; 15-NOV-2008 06:48:42; Dark ; 54.0; 125; 44Iot Ori ; 2.77; 30000;occ; 108; 0;35087
12; 2362.9; 15-NOV-2008 06:56:05; Bright; 61.5; 13; 87Alp Tau ; 0.87; 3800;occ; 123; 0;35087
13; 2558.0; 15-NOV-2008 06:59:20; Bright; 44.5; 150; 44Zet Per ; 2.89; 28000;occ; 89; 0;35087
14; 2779.7; 15-NOV-2008 07:03:01; Bright; 58.5; 114; 3Iot Aur ; 2.69; 4600;occ; 117; 0;35087
15; 3037.2; 15-NOV-2008 07:07:19; Bright; 56.5; 6; 13Alp Aur ; 0.08; 3400;occ; 113; 0;35087
16; 3219.9; 15-NOV-2008 07:10:22; Bright; 62.5; 42; 34Bet Aur ; 1.90; 10200;occ; 125; 0;35087
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 1; 871.4; 15-NOV-2008 19:56:00; Dark ; 79.0; 88; 31Eta CMa ; 2.45; 20000;occ; 158; 120;35095
 2; 945.9; 15-NOV-2008 19:57:15; Dark ; 84.0; 23; 21Eps CMa ; 1.50; 26000;occ; 168; 0;35095
 3; 1082.8; 15-NOV-2008 19:59:32; Dark ; 54.5; 108; Alp Col ; 2.65; 15200;occ; 109; 0;35095
 4; 1455.0; 15-NOV-2008 20:05:44; Dark ; 54.0; 47; 2Bet CMa ; 1.98; 28000;occ; 108; 0;35095
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3; 2988.9; 18-NOV-2008 15:35:15; Bright; 53.0; 6; 13Alp Aur ; 0.08; 3400;occ; 106; 0;35135
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5; 4759.3; 18-NOV-2008 16:04:45; Bright; 50.0; 96; 68Del Leo ; 2.56; 9300;occ; 100; 0;35135
6; 4904.0; 18-NOV-2008 16:07:10; Bright; 79.0; 51; 41Gam1Leo ; 2.01; 4500;occ; 158; 0;35135
7; 5209.5; 18-NOV-2008 16:12:15; Dark ; 109.0; 22; 32Alp Leo ; 1.36; 15200;occ; 218; 0;35135
8; 7029.8; 18-NOV-2008 16:42:36; Dark ; 80.0; 23; 21Eps CMA ; 1.50; 26000;occ; 160; 0;35135
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4; 2039.8; 18-NOV-2008 17:00:02; Dark ; 67.0; 33; 50Zet Ori ; 1.77; 30000;occ; 134; 0;35136
5; 2322.6; 18-NOV-2008 17:04:44; Bright; 57.5; 13; 87Alp Tau ; 0.87; 3800;occ; 115; 0;35136
6; 2724.5; 18-NOV-2008 17:11:26; Bright; 54.0; 114; 3Iot Aur ; 2.69; 4600;occ; 108; 0;35136
7; 2987.8; 18-NOV-2008 17:15:50; Bright; 55.5; 6; 13Alp Aur ; 0.08; 3400;occ; 111; 0;35136
8; 3153.7; 18-NOV-2008 17:18:35; Bright; 59.0; 42; 34Bet Aur ; 1.90; 10200;occ; 118; 0;35136
9; 4759.6; 18-NOV-2008 17:45:21; Bright; 50.0; 96; 68Del Leo ; 2.56; 9300;occ; 100; 0;35136
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13; 6786.8; 18-NOV-2008 18:19:08; Dark ; 67.5; 117; Pi Pup ; 2.71; 3800;occ; 135; 0;35136
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6; 2321.9; 18-NOV-2008 18:45:20; Bright; 59.5; 13; 87Alp Tau ; 0.87; 3800;occ; 119; 0;35137
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8; 2986.9; 18-NOV-2008 18:56:25; Bright; 55.0; 6; 13Alp Aur ; 0.08; 3400;occ; 110; 0;35137
9; 3152.5; 18-NOV-2008 18:59:10; Bright; 56.0; 42; 34Bet Aur ; 1.90; 10200;occ; 112; 0;35137

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13; 6573.9; 18-NOV-2008 19:56:12; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;35137
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 4; 549.7; 19-NOV-2008 05:59:59; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;35144
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 4; 1775.7; 19-NOV-2008 21:25:49; Dark ; 83.5; 7; 19Bet Ori ; 0.10; 14000;occ; 167; 0;35153
 5; 2030.5; 19-NOV-2008 21:30:03; Dark ; 91.5; 30; 46Eps Ori ; 1.69; 30000;occ; 183; 0;35153
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9; 3070.9; 19-NOV-2008 21:47:24; Bright; 70.0; 107; 37The Aur ; 2.65; 11000;occ; 140; 0;35153
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12; 4216.0; 19-NOV-2008 23:47:05; Bright; 46.5; 174; 52Psi UMa ; 3.00; 4400;occ; 93; 0;35154
13; 4767.7; 19-NOV-2008 23:56:17; Bright; 51.5; 96; 68Del Leo ; 2.56; 9300;occ; 103; 0;35154
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12; 7041.4; 19-NOV-2008 11:09:22; Dark ; 75.5; 23; 21Eps CMa ; 1.50; 26000;occ; 151; 0;35146
13; 7181.3; 19-NOV-2008 11:11:42; Dark ; 91.5; 179; 240mi2CMa ; 3.03; 24000;occ; 183; 0;35146
14; 7506.0; 19-NOV-2008 11:17:07; Dark ; 93.5; 47; 2Bet CMa ; 1.98; 28000;occ; 187; 0;35146
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3; 2009.5; 21-NOV-2008 13:44:05; Dark ; 85.5; 30; 46Eps Ori ; 1.69; 30000;occ; 171; 0;35177
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8; 4213.2; 21-NOV-2008 14:20:48; Bright; 47.5; 174; 52Psi UMa ; 3.00; 4400;occ; 95; 0;35177
9; 4779.0; 21-NOV-2008 14:30:14; Bright; 53.0; 96; 68Del Leo ; 2.56; 9300;occ; 106; 0;35177
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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
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14; 6042.2; 21-NOV-2008 19:53:05; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;35180
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3;-1077.6; 22-NOV-2008 03:58:01; Dark ; 105.0; 51; 41Gam1Leo ; 2.01; 4500;occ; 210; 0;35185
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7; 1046.5; 22-NOV-2008 06:14:01; Dark ; 74.0; 23; 21Eps CMA ; 1.50; 26000;occ; 148; 0;35187
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10; 4210.4; 22-NOV-2008 20:31:33; Bright; 44.5; 174; 52Psi UMa ; 3.00; 4400;occ; 89; 0;35195
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 8; 1221.8; 25-NOV-2008 06:22:42; Dark ; 83.0; 179; 240mi2CMa ; 3.03; 24000;occ; 166; 0;35230
 9; 1520.1; 25-NOV-2008 06:27:40; Dark ; 109.0; 1; 9Alp CMa ; -1.44; 11000;occ; 218; 0;35230
10; 1761.1; 25-NOV-2008 06:31:41; Dark ; 67.0; 7; 19Bet Ori ; 0.10; 14000;occ; 134; 0;35230
11; 1972.1; 25-NOV-2008 06:35:12; Dark ; 71.5; 30; 46Eps Ori ; 1.69; 30000;occ; 143; 0;35230
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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 3; -1012.2; 25-NOV-2008 07:26:04; Dark ; 56.0; 51; 41Gam1Leo ; 2.01; 4500;occ; 112; 0;35230
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 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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 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
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 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
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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
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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
6; 2142.1; 25-NOV-2008 20:02:50; Dark ; 68.0; 27; 24Gam Ori ; 1.64; 26000;occ; 136; 0;35238
7; 2261.3; 25-NOV-2008 20:04:49; Bright; 55.5; 13; 87Alp Tau ; 0.87; 3800;occ; 111; 0;35238
8; 2633.0; 25-NOV-2008 20:11:01; Bright; 49.5; 114; 3Iot Aur ; 2.69; 4600;occ; 99; 0;35238
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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2; 635.2; 25-NOV-2008 21:18:19; Dark ; 55.5; 70; Zet Pup ; 2.25; 39000;occ; 111; 0;35239
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
6; 1521.3; 25-NOV-2008 21:33:05; Dark ; 107.5; 1; 9Alp CMA ; -1.44; 11000;occ; 215; 0;35239
7; 1759.7; 25-NOV-2008 21:37:03; Dark ; 62.0; 7; 19Bet Ori ; 0.10; 14000;occ; 124; 0;35239
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
10; 2260.8; 25-NOV-2008 21:45:24; Bright; 59.0; 13; 87Alp Tau ; 0.87; 3800;occ; 118; 0;35239
11; 2632.0; 25-NOV-2008 21:51:36; Bright; 48.0; 114; 3Iot Aur ; 2.69; 4600;occ; 96; 0;35239
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
15; 4813.5; 25-NOV-2008 22:27:57; Bright; 61.0; 96; 68Del Leo ; 2.56; 9300;occ; 122; 0;35239

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1; 152.4; 25-NOV-2008 22:50:52; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;35240
2; 636.3; 25-NOV-2008 22:58:56; Dark ; 53.0; 70; Zet Pup ; 2.25; 39000;occ; 106; 0;35240
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
5; 1229.2; 25-NOV-2008 23:08:49; Dark ; 79.5; 179; 240mi2CMA ; 3.03; 24000;occ; 159; 0;35240
6; 1521.2; 25-NOV-2008 23:13:41; Dark ; 105.5; 1; 9Alp CMA ; -1.44; 11000;occ; 211; 0;35240
7; 1759.7; 25-NOV-2008 23:17:39; Dark ; 65.0; 7; 19Bet Ori ; 0.10; 14000;occ; 130; 0;35240
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
13; 3028.4; 25-NOV-2008 23:38:48; Bright; 52.0; 42; 34Bet Aur ; 1.90; 10200;occ; 104; 0;35240
14; 4202.5; 25-NOV-2008 23:58:22; Bright; 52.0; 174; 52Psi UMa ; 3.00; 4400;occ; 104; 0;35240
15; 4814.0; 26-NOV-2008 00:08:33; Bright; 59.5; 96; 68Del Leo ; 2.56; 9300;occ; 119; 0;35240

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2; 1760.4; 25-NOV-2008 14:54:40; Dark ; 72.0; 7; 19Bet Ori ; 0.10; 14000;occ; 144; 0;35235
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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6; 2635.2; 25-NOV-2008 15:09:15; Bright; 48.5; 114; 3Iot Aur ; 2.69; 4600;occ; 97; 0;35235
7; 2901.4; 25-NOV-2008 15:13:41; Bright; 50.5; 6; 13Alp Aur ; 0.08; 3400;occ; 101; 0;35235
8; 3034.1; 25-NOV-2008 15:15:54; Bright; 54.5; 42; 34Bet Aur ; 1.90; 10200;occ; 109; 0;35235
9; 4203.9; 25-NOV-2008 15:35:24; Bright; 47.5; 174; 52Psi UMa ; 3.00; 4400;occ; 95; 0;35235
10; 4811.1; 25-NOV-2008 15:45:31; Bright; 61.5; 96; 68Del Leo ; 2.56; 9300;occ; 123; 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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12; 5034.3; 25-NOV-2008 17:29:50; Dark ; 31.0; 51; 41Gam1Leo ; 2.01; 4500;occ; 62; 0;35236
13; 6180.6; 25-NOV-2008 17:48:56; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;35236
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4; 1095.2; 26-NOV-2008 00:47:10; Dark ; 66.0; 23; 21Eps CMa ; 1.50; 26000;occ; 132; 0;35241
5; 1230.0; 26-NOV-2008 00:49:25; Dark ; 75.5; 179; 240mi2CMa ; 3.03; 24000;occ; 151; 0;35241
6; 1521.4; 26-NOV-2008 00:54:17; Dark ; 115.5; 1; 9Alp CMa ; -1.44; 11000;occ; 231; 0;35241
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8; 1965.7; 26-NOV-2008 01:01:41; Dark ; 68.0; 30; 46Eps Ori ; 1.69; 30000;occ; 136; 0;35241
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13; 3027.3; 26-NOV-2008 01:19:23; Bright; 52.5; 42; 34Bet Aur ; 1.90; 10200;occ; 105; 0;35241
14; 4202.6; 26-NOV-2008 01:38:58; Bright; 46.0; 174; 52Psi UMa ; 3.00; 4400;occ; 92; 0;35241
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6; 1097.0; 26-NOV-2008 04:08:24; Dark ; 72.0; 23; 21Eps CMa ; 1.50; 26000;occ; 144; 0;35243
7; 1231.8; 26-NOV-2008 04:10:39; Dark ; 80.0; 179; 240mi2CMA ; 3.03; 24000;occ; 160; 0;35243
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11; 2138.3; 26-NOV-2008 04:25:45; Dark ; 76.0; 27; 24Gam Ori ; 1.64; 26000;occ; 152; 0;35243
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6; 1097.8; 26-NOV-2008 05:49:01; Dark ; 68.5; 23; 21Eps CMa ; 1.50; 26000;occ; 137; 0;35244
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6; 1098.6; 26-NOV-2008 07:29:38; Dark ; 74.0; 23; 21Eps CMa ; 1.50; 26000;occ; 148; 0;35245
7; 1233.3; 26-NOV-2008 07:31:52; Dark ; 76.0; 179; 240mi2CMA ; 3.03; 24000;occ; 152; 0;35245
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4; 2258.1; 26-NOV-2008 07:48:57; Bright; 56.5; 13; 87Alp Tau ; 0.87; 3800;occ; 113; 0;35245
5; 2627.7; 26-NOV-2008 07:55:07; Bright; 48.0; 114; 3Iot Aur ; 2.69; 4600;occ; 96; 0;35245
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13; 7135.4; 26-NOV-2008 09:10:15; Dark ; 69.0; 23; 21Eps CMa ; 1.50; 26000;occ; 138; 0;35245
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5; 1250.3; 27-NOV-2008 23:46:32; Dark ; 77.5; 179; 240mi2CMA ; 3.03; 24000;occ; 155; 0;35269
6; 1525.2; 27-NOV-2008 23:51:07; Dark ; 101.5; 1; 9Alp CMA ; -1.44; 11000;occ; 203; 0;35269
7; 1756.3; 27-NOV-2008 23:54:58; Dark ; 61.5; 7; 19Bet Ori ; 0.10; 14000;occ; 123; 0;35269
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11; 2508.5; 28-NOV-2008 00:07:30; Bright; 60.5; 176; 23Zet Tau ; 3.02; 22000;occ; 121; 0;35269
12; 2875.7; 28-NOV-2008 00:13:37; Bright; 48.5; 6; 13Alp Aur ; 0.08; 3400;occ; 97; 0;35269
13; 2997.5; 28-NOV-2008 00:15:39; Bright; 52.0; 42; 34Bet Aur ; 1.90; 10200;occ; 104; 0;35269
14; 4196.9; 28-NOV-2008 00:35:38; Bright; 50.0; 174; 52Psi UMa ; 3.00; 4400;occ; 100; 0;35269
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3; 203.2; 27-NOV-2008 06:43:05; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;35259
4; 657.5; 27-NOV-2008 06:50:40; Dark ; 51.5; 70; Zet Pup ; 2.25; 39000;occ; 103; 0;35259
5; 875.3; 27-NOV-2008 06:54:18; Dark ; 63.5; 117; Pi Pup ; 2.71; 3800;occ; 127; 0;35259
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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2; 1956.1; 27-NOV-2008 07:12:18; Dark ; 67.0; 30; 46Eps Ori ; 1.69; 30000;occ; 134; 0;35259
3; 2127.1; 27-NOV-2008 07:15:09; Dark ; 67.5; 27; 24Gam Ori ; 1.64; 26000;occ; 135; 0;35259
4; 2257.5; 27-NOV-2008 07:17:20; Bright; 86.0; 14; 58Alp Ori ; 0.87; 3000;occ; 172; 0;35259
5; 2617.6; 27-NOV-2008 07:23:20; Bright; 48.5; 114; 3Iot Aur ; 2.69; 4600;occ; 97; 0;35259
6; 2883.1; 27-NOV-2008 07:27:45; Bright; 49.5; 6; 13Alp Aur ; 0.08; 3400;occ; 99; 0;35259
7; 3008.1; 27-NOV-2008 07:29:50; Bright; 79.0; 42; 34Bet Aur ; 1.90; 10200;occ; 158; 0;35259
8; 4199.0; 27-NOV-2008 07:49:41; Bright; 50.5; 174; 52Psi UMa ; 3.00; 4400;occ; 101; 0;35259
9; 4826.5; 27-NOV-2008 08:00:09; Bright; 63.5; 96; 68Del Leo ; 2.56; 9300;occ; 127; 0;35259
10; 6241.8; 27-NOV-2008 08:23:44; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;35259
11; 6694.5; 27-NOV-2008 08:31:17; Dark ; 55.0; 70; Zet Pup ; 2.25; 39000;occ; 110; 0;35259
12; 6912.2; 27-NOV-2008 08:34:54; Dark ; 59.0; 117; Pi Pup ; 2.71; 3800;occ; 118; 0;35259
13; 7146.9; 27-NOV-2008 08:38:49; Dark ; 69.5; 23; 21Eps CMA ; 1.50; 26000;occ; 139; 0;35259
14; 7280.0; 27-NOV-2008 08:41:02; Dark ; 77.0; 179; 240mi2CMA ; 3.03; 24000;occ; 154; 0;35259
15; 7560.0; 27-NOV-2008 08:45:42; Dark ; 108.5; 1; 9Alp CMA ; -1.44; 11000;occ; 217; 0;35259
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 3; 2126.4; 27-NOV-2008 08:55:45; Dark ; 74.0; 27; 24Gam Ori ; 1.64; 26000;occ; 148; 0;35260
 4; 2256.1; 27-NOV-2008 08:57:54; Bright; 86.5; 14; 58Alp Ori ; 0.87; 3000;occ; 173; 0;35260
 5; 2616.9; 27-NOV-2008 09:03:55; Bright; 49.0; 114; 3Iot Aur ; 2.69; 4600;occ; 98; 0;35260
 6; 2882.4; 27-NOV-2008 09:08:21; Bright; 48.0; 6; 13Alp Aur ; 0.08; 3400;occ; 96; 0;35260
 7; 3007.0; 27-NOV-2008 09:10:25; Bright; 53.0; 42; 34Bet Aur ; 1.90; 10200;occ; 106; 0;35260
 8; 4198.8; 27-NOV-2008 09:30:17; Bright; 49.5; 174; 52Psi UMa ; 3.00; 4400;occ; 99; 0;35260
 9; 4827.1; 27-NOV-2008 09:40:45; Bright; 64.5; 96; 68Del Leo ; 2.56; 9300;occ; 129; 0;35260
 10; 6244.5; 27-NOV-2008 10:04:23; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;35260
 11; 6695.4; 27-NOV-2008 10:11:54; Dark ; 53.0; 70; Zet Pup ; 2.25; 39000;occ; 106; 0;35260
 12; 6913.0; 27-NOV-2008 10:15:31; Dark ; 62.5; 117; Pi Pup ; 2.71; 3800;occ; 125; 2;35260
 13; 7147.5; 27-NOV-2008 10:19:26; Dark ; 69.5; 23; 21Eps CMA ; 1.50; 26000;occ; 139; 0;35260
 14; 7280.6; 27-NOV-2008 10:21:39; Dark ; 76.5; 179; 240mi2CMA ; 3.03; 24000;occ; 153; 0;35260
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 2; 1955.1; 27-NOV-2008 10:33:29; Dark ; 65.0; 30; 46Eps Ori ; 1.69; 30000;occ; 130; 0;35261
 3; 2125.6; 27-NOV-2008 10:36:20; Dark ; 72.0; 27; 24Gam Ori ; 1.64; 26000;occ; 144; 0;35261
 4; 2254.8; 27-NOV-2008 10:38:29; Bright; 87.0; 14; 58Alp Ori ; 0.87; 3000;occ; 174; 0;35261
 5; 2616.2; 27-NOV-2008 10:44:30; Bright; 48.5; 114; 3Iot Aur ; 2.69; 4600;occ; 97; 0;35261
 6; 2881.6; 27-NOV-2008 10:48:56; Bright; 49.5; 6; 13Alp Aur ; 0.08; 3400;occ; 99; 0;35261
 7; 3005.9; 27-NOV-2008 10:51:00; Bright; 50.5; 42; 34Bet Aur ; 1.90; 10200;occ; 101; 0;35261
 8; 4198.6; 27-NOV-2008 11:10:53; Bright; 50.0; 174; 52Psi UMa ; 3.00; 4400;occ; 100; 0;35261
 9; 4827.7; 27-NOV-2008 11:21:22; Bright; 62.5; 96; 68Del Leo ; 2.56; 9300;occ; 125; 0;35261
 10; 6247.2; 27-NOV-2008 11:45:01; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;35261
 11; 6696.7; 27-NOV-2008 11:52:31; Dark ; 56.0; 70; Zet Pup ; 2.25; 39000;occ; 112; 0;35261
 12; 6913.9; 27-NOV-2008 11:56:08; Dark ; 55.0; 117; Pi Pup ; 2.71; 3800;occ; 110; 0;35261
 13; 7148.2; 27-NOV-2008 12:00:02; Dark ; 70.5; 23; 21Eps CMA ; 1.50; 26000;occ; 141; 0;35261
 14; 7281.3; 27-NOV-2008 12:02:15; Dark ; 78.0; 179; 240mi2CMA ; 3.03; 24000;occ; 156; 0;35261
 15; 7560.3; 27-NOV-2008 12:06:54; Dark ; 101.5; 1; 9Alp CMA ; -1.44; 11000;occ; 203; 0;35261

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 3; 1954.6; 27-NOV-2008 12:14:04; Dark ; 65.5; 30; 46Eps Ori ; 1.69; 30000;occ; 131; 0;35262
 4; 2125.0; 27-NOV-2008 12:16:55; Dark ; 65.0; 27; 24Gam Ori ; 1.64; 26000;occ; 130; 0;35262
 5; 2253.6; 27-NOV-2008 12:19:04; Bright; 86.0; 14; 58Alp Ori ; 0.87; 3000;occ; 172; 0;35262
 6; 2615.5; 27-NOV-2008 12:25:05; Bright; 48.5; 114; 3Iot Aur ; 2.69; 4600;occ; 97; 0;35262
 7; 2880.8; 27-NOV-2008 12:29:31; Bright; 51.5; 6; 13Alp Aur ; 0.08; 3400;occ; 103; 0;35262
 8; 3004.9; 27-NOV-2008 12:31:35; Bright; 53.0; 42; 34Bet Aur ; 1.90; 10200;occ; 106; 0;35262
 9; 4198.4; 27-NOV-2008 12:51:28; Bright; 48.5; 174; 52Psi UMa ; 3.00; 4400;occ; 97; 0;35262
 10; 4828.2; 27-NOV-2008 13:01:58; Bright; 64.0; 96; 68Del Leo ; 2.56; 9300;occ; 128; 0;35262
 11; 6250.0; 27-NOV-2008 13:25:40; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;35262
 12; 6697.8; 27-NOV-2008 13:33:08; Dark ; 55.5; 70; Zet Pup ; 2.25; 39000;occ; 111; 0;35262
 13; 6914.9; 27-NOV-2008 13:36:45; Dark ; 57.5; 117; Pi Pup ; 2.71; 3800;occ; 115; 0;35262
 14; 7149.1; 27-NOV-2008 13:40:39; Dark ; 68.5; 23; 21Eps CMA ; 1.50; 26000;occ; 137; 0;35262
 15; 7282.1; 27-NOV-2008 13:42:52; Dark ; 79.5; 179; 240mi2CMA ; 3.03; 24000;occ; 159; 0;35262
 16; 7560.4; 27-NOV-2008 13:47:30; Dark ; 49.0; 1; 9Alp CMA ; -1.44; 11000;occ; 98; 0;35262

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 2; 1757.0; 27-NOV-2008 13:51:23; Dark ; 60.0; 7; 19Bet Ori ; 0.10; 14000;occ; 120; 0;35263
 3; 1954.2; 27-NOV-2008 13:54:40; Dark ; 64.0; 30; 46Eps Ori ; 1.69; 30000;occ; 128; 0;35263
 4; 2124.4; 27-NOV-2008 13:57:30; Dark ; 65.5; 27; 24Gam Ori ; 1.64; 26000;occ; 131; 0;35263
 5; 2252.3; 27-NOV-2008 13:59:38; Bright; 85.5; 14; 58Alp Ori ; 0.87; 3000;occ; 171; 0;35263
 6; 2614.7; 27-NOV-2008 14:05:40; Bright; 48.0; 114; 3Iot Aur ; 2.69; 4600;occ; 96; 0;35263
 7; 2880.2; 27-NOV-2008 14:10:06; Bright; 49.5; 6; 13Alp Aur ; 0.08; 3400;occ; 99; 0;35263
 8; 3003.8; 27-NOV-2008 14:12:10; Bright; 53.5; 42; 34Bet Aur ; 1.90; 10200;occ; 107; 0;35263
 9; 4198.4; 27-NOV-2008 14:32:04; Bright; 51.0; 174; 52Psi UMa ; 3.00; 4400;occ; 102; 0;35263
 10; 4828.8; 27-NOV-2008 14:42:35; Bright; 66.0; 96; 68Del Leo ; 2.56; 9300;occ; 132; 0;35263
 11; 6252.8; 27-NOV-2008 15:06:19; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;35263
 12; 6698.8; 27-NOV-2008 15:13:45; Dark ; 53.5; 70; Zet Pup ; 2.25; 39000;occ; 107; 0;35263
 13; 6915.9; 27-NOV-2008 15:17:22; Dark ; 63.5; 117; Pi Pup ; 2.71; 3800;occ; 127; 0;35263
 14; 7150.0; 27-NOV-2008 15:21:16; Dark ; 69.0; 23; 21Eps CMA ; 1.50; 26000;occ; 138; 0;35263
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4; 2123.7; 27-NOV-2008 15:38:05; Dark ; 63.5; 27; 24Gam Ori ; 1.64; 26000;occ; 127; 0;35264
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6; 2514.6; 27-NOV-2008 15:44:36; Bright; 60.5; 176; 23Zet Tau ; 3.02; 22000;occ; 121; 0;35264
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8; 3002.8; 27-NOV-2008 15:52:45; Bright; 53.5; 42; 34Bet Aur ; 1.90; 10200;occ; 107; 0;35264
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10; 4829.9; 27-NOV-2008 16:23:12; Bright; 63.5; 96; 68Del Leo ; 2.56; 9300;occ; 127; 0;35264
11; 6255.6; 27-NOV-2008 16:46:57; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;35264
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13; 6916.8; 27-NOV-2008 16:57:59; Dark ; 65.0; 117; Pi Pup ; 2.71; 3800;occ; 130; 0;35264
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6; 2122.3; 27-NOV-2008 18:59:16; Dark ; 78.5; 27; 24Gam Ori ; 1.64; 26000;occ; 157; 0;35266
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9; 2878.0; 27-NOV-2008 19:11:52; Bright; 48.5; 6; 13Alp Aur ; 0.08; 3400;occ; 97; 0;35266
10; 3000.6; 27-NOV-2008 19:13:54; Bright; 54.0; 42; 34Bet Aur ; 1.90; 10200;occ; 108; 0;35266
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13; 6261.0; 27-NOV-2008 20:08:15; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;35266
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13; 2506.2; 28-NOV-2008 03:28:39; Bright; 57.0; 176; 23Zet Tau ; 3.02; 22000;occ; 114; 0;35271
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22; 4193.9; 28-NOV-2008 22:23:23; Bright; 52.5; 174; 52Psi UMa ; 3.00; 4400;occ; 105; 0;35282
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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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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
18; 6439.6; 30-NOV-2008 11:53:59; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;35304
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
15; 4920.4; 30-NOV-2008 13:09:16; Bright; 56.5; 62; 94Bet Leo ; 2.14; 9700;occ; 113; 0;35305
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
20; 6638.8; 30-NOV-2008 13:37:54; Dark ; 46.0; 34; Gam2Vel ; 1.79; 23000;occ; 92; 0;35305
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
 8; 2850.2; 30-NOV-2008 14:15:21; Bright; 51.5; 6; 13Alp Aur ; 0.08; 3400;occ; 103; 0;35306
 9; 2960.7; 30-NOV-2008 14:17:12; Bright; 50.5; 42; 34Bet Aur ; 1.90; 10200;occ; 101; 0;35306
 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
 24; 7182.0; 30-NOV-2008 15:27:33; Dark ; 67.0; 23; 21Eps CMA ; 1.50; 26000;occ; 134; 0;35306

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 2; 1752.8; 30-NOV-2008 15:37:40; Dark ; 61.5; 7; 19Bet Ori ; 0.10; 14000;occ; 123; 0;35307
 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
 9; 2959.7; 30-NOV-2008 15:57:47; Bright; 51.0; 42; 34Bet Aur ; 1.90; 10200;occ; 102; 0;35307
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 11; 3918.5; 30-NOV-2008 16:13:45; Bright; 46.5; 82; 48Bet UMa ; 2.37; 10600;occ; 93; 0;35307
 12; 4015.0; 30-NOV-2008 16:15:22; Bright; 39.0; 32; 77Eps UMa ; 1.76; 11000;occ; 78; 0;35307
 13; 4188.1; 30-NOV-2008 16:18:15; Bright; 49.5; 174; 52Psi UMa ; 3.00; 4400;occ; 99; 0;35307
 14; 4348.1; 30-NOV-2008 16:20:55; Bright; 38.0; 152; 12Alp2CVn ; 2.89; 11000;occ; 76; 0;35307
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 18; 5555.0; 30-NOV-2008 16:41:02; Dark ; 47.0; 171; 2Eps Crv ; 3.00; 4250;occ; 94; 0;35307
 19; 6442.3; 30-NOV-2008 16:55:49; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;35307
 20; 6640.8; 30-NOV-2008 16:59:08; Dark ; 49.5; 34; Gam2Vel ; 1.79; 23000;occ; 99; 0;35307
 21; 6746.1; 30-NOV-2008 17:00:53; Dark ; 53.5; 70; Zet Pup ; 2.25; 39000;occ; 107; 0;35307
 22; 6954.6; 30-NOV-2008 17:04:22; Dark ; 73.5; 117; Pi Pup ; 2.71; 3800;occ; 147; 0;35307
 23; 7100.7; 30-NOV-2008 17:06:48; Dark ; 47.0; 88; 31Eta CMA ; 2.45; 20000;occ; 94; 0;35307
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 2; 1146.8; 30-NOV-2008 17:08:10; Dark ; 68.5; 23; 21Eps CMA ; 1.50; 26000;occ; 137; 0;35308
 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
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 9; 2616.7; 30-NOV-2008 17:32:40; Bright; 51.0; 149; 45Eps Per ; 2.89; 30000;occ; 102; 0;35308
 10; 2848.8; 30-NOV-2008 17:36:32; Bright; 48.0; 6; 13Alp Aur ; 0.08; 3400;occ; 96; 0;35308
 11; 2958.8; 30-NOV-2008 17:38:22; Bright; 52.0; 42; 34Bet Aur ; 1.90; 10200;occ; 104; 0;35308
 12; 3821.8; 30-NOV-2008 17:52:45; Bright; 44.5; 36; 50Alp UMa ; 1.80; 6300;occ; 89; 0;35308
 13; 3917.8; 30-NOV-2008 17:54:21; Bright; 46.5; 82; 48Bet UMa ; 2.37; 10600;occ; 93; 0;35308
 14; 4014.9; 30-NOV-2008 17:55:58; Bright; 37.0; 32; 77Eps UMa ; 1.76; 11000;occ; 74; 0;35308
 15; 4187.8; 30-NOV-2008 17:58:51; Bright; 52.0; 174; 52Psi UMa ; 3.00; 4400;occ; 104; 0;35308
 16; 4348.3; 30-NOV-2008 18:01:31; Bright; 39.5; 152; 12Alp2CVn ; 2.89; 11000;occ; 79; 0;35308
 17; 4922.6; 30-NOV-2008 18:11:06; Bright; 58.0; 62; 94Bet Leo ; 2.14; 9700;occ; 116; 0;35308

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21; 6443.1; 30-NOV-2008 18:36:26; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;35308
22; 6641.6; 30-NOV-2008 18:39:45; Dark ; 47.0; 34; Gam2Vel ; 1.79; 23000;occ; 94; 0;35308
23; 6747.2; 30-NOV-2008 18:41:30; Dark ; 56.5; 70; Zet Pup ; 2.25; 39000;occ; 113; 0;35308
24; 6955.5; 30-NOV-2008 18:44:59; Dark ; 57.0; 117; Pi Pup ; 2.71; 3800;occ; 114; 0;35308
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 3; 1147.5; 30-NOV-2008 18:48:46; Dark ; 68.0; 23; 21Eps CMa ; 1.50; 26000;occ; 136; 0;35309
 4; 1536.1; 30-NOV-2008 18:55:15; Dark ; 54.0; 101; 11Alp Lep ; 2.58; 7000;occ; 108; 0;35309
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 6; 1933.7; 30-NOV-2008 19:01:53; Dark ; 64.5; 30; 46Eps Ori ; 1.69; 30000;occ; 129; 0;35309
 7; 2096.7; 30-NOV-2008 19:04:36; Dark ; 58.5; 27; 24Gam Ori ; 1.64; 26000;occ; 117; 0;35309
 8; 2232.5; 30-NOV-2008 19:06:51; Bright; 54.5; 13; 87Alp Tau ; 0.87; 3800;occ; 109; 0;35309
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10; 2616.6; 30-NOV-2008 19:13:16; Bright; 39.5; 149; 45Eps Per ; 2.89; 30000;occ; 79; 0;35309
11; 2848.1; 30-NOV-2008 19:17:07; Bright; 48.5; 6; 13Alp Aur ; 0.08; 3400;occ; 97; 0;35309
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13; 3821.2; 30-NOV-2008 19:33:20; Bright; 45.5; 36; 50Alp UMa ; 1.80; 6300;occ; 91; 0;35309
14; 3917.5; 30-NOV-2008 19:34:56; Bright; 43.5; 82; 48Bet UMa ; 2.37; 10600;occ; 87; 0;35309
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