

GOMOS Daily Report 13-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 | 15NOV2008 05:42:58 |
| Data source version | GOMOS/5.00 |
| Start time of products | 13NOV2008 00:01:45 |
| Stop time of products | 13NOV2008 03:41:41 |
| Store outputs in DB | Yes |
| Nb of level 1b prods | 48 |
| Nb of prods with errors | 0 |

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

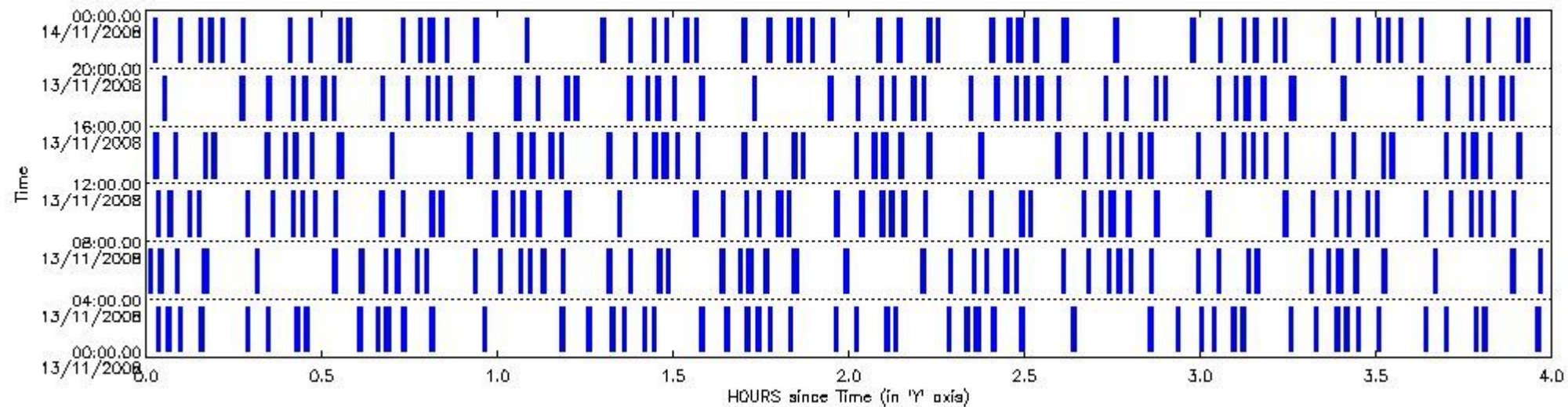
2.1 Level 0 products arrived in PCF (see template [here](#))

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

Red segments are missing products.

Blue segments are available products.

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



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

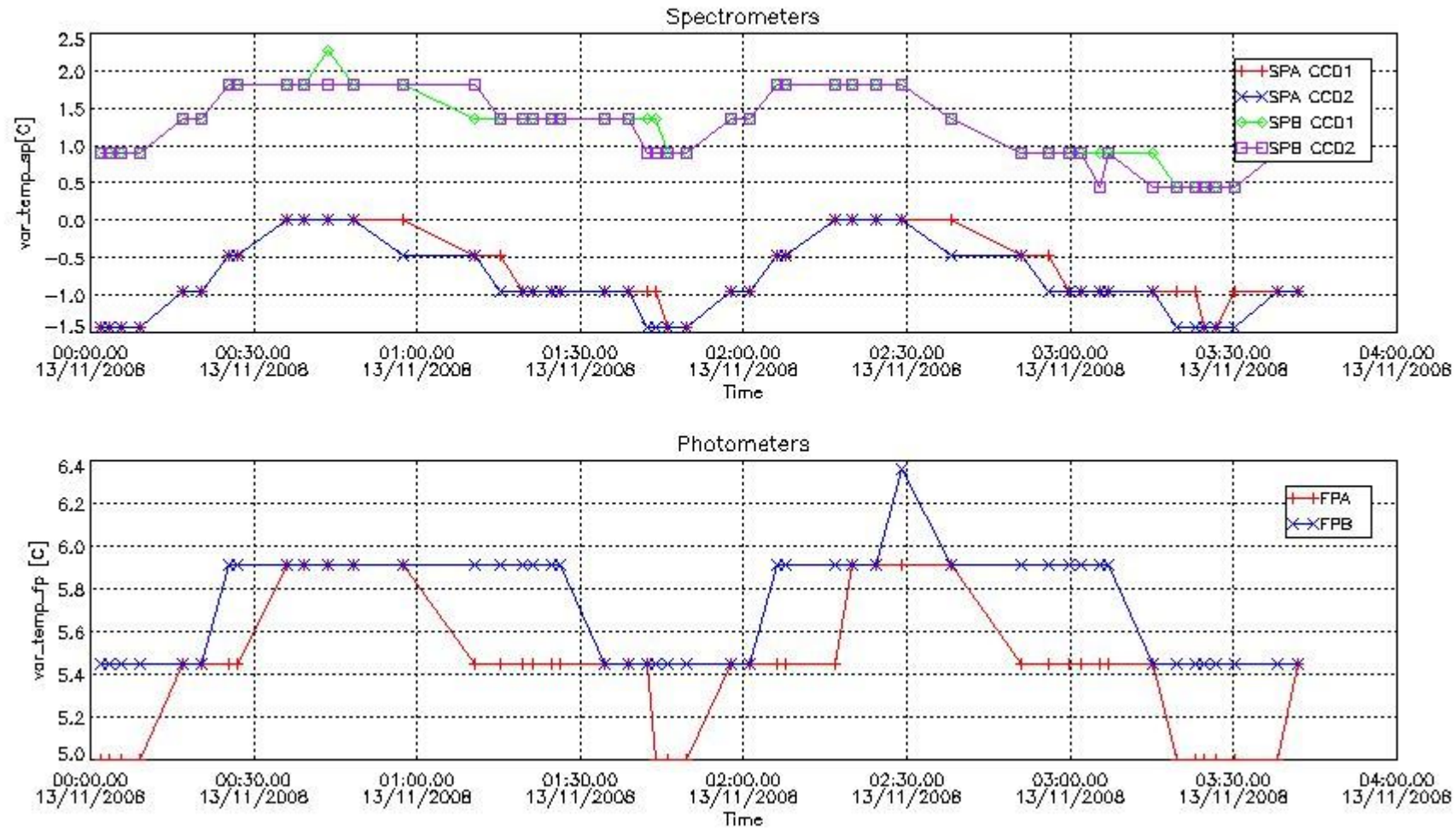
No missing products.

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_1PNPDE20081113_000145_000000412073_00431_35054_3031.N1 | 13-NOV-2008 00:01:45 | Bright | 40.500 | 36 | 50Alp UMa | 1.8000 | 6300.0 | 81 | 35054 | No |
| 2 | GOM_TRA_1PNPDE20081113_000323_000000402073_00431_35054_3032.N1 | 13-NOV-2008 00:03:23 | Bright | 40.000 | 82 | 48Bet UMa | 2.3650 | 10600. | 80 | 35054 | No |
| 3 | GOM_TRA_1PNPDE20081113_000532_000000362073_00431_35054_3033.N1 | 13-NOV-2008 00:05:32 | Bright | 35.500 | 39 | 85Eta UMa | 1.8540 | 24000. | 71 | 35054 | No |
| 4 | GOM_TRA_1PNPDE20081113_000902_000000422073_00431_35054_3034.N1 | 13-NOV-2008 00:09:02 | Bright | 42.000 | 152 | 12Alp2CVn | 2.8900 | 11000. | 84 | 35054 | No |
| 5 | GOM_TRA_1PNPDE20081113_001654_000000392073_00431_35054_3035.N1 | 13-NOV-2008 00:16:54 | Bright | 39.000 | 62 | 94Bet Leo | 2.1360 | 9700.0 | 78 | 35054 | No |
| 6 | GOM_TRA_1PNPDE20081113_002028_000000342073_00431_35054_3036.N1 | 13-NOV-2008 00:20:28 | Bright | 34.000 | 121 | 29Gam Vir | 2.7400 | 7200.0 | 68 | 35054 | No |
| 7 | GOM_TRA_1PNPDE20081113_002527_000000402073_00431_35054_3144.N1 | 13-NOV-2008 00:25:27 | Twilight | 40.000 | 100 | 4Gam Crv | 2.5800 | 13100. | 80 | 35054 | No |
| 8 | GOM_TRA_1PNPDE20081113_002657_000000422073_00431_35054_3145.N1 | 13-NOV-2008 00:26:57 | Twilight | 42.000 | 171 | 2Eps Crv | 3.0010 | 4250.0 | 84 | 35054 | No |
| 9 | GOM_TRA_1PNPDE20081113_003607_000000412073_00431_35054_3146.N1 | 13-NOV-2008 00:36:07 | Dark | 41.000 | 113 | Mu Vel | 2.6920 | 5000.0 | 82 | 35054 | No |
| 10 | GOM_TRA_1PNPDE20081113_003912_000000392073_00432_35055_3147.N1 | 13-NOV-2008 00:39:12 | Dark | 38.500 | 124 | The Car | 2.7640 | 30000. | 77 | 35055 | No |
| 11 | GOM_TRA_1PNPDE20081113_004338_000000472073_00432_35055_3148.N1 | 13-NOV-2008 00:43:38 | Dark | 46.500 | 34 | Gam2Vel | 1.7930 | 23000. | 93 | 35055 | No |
| 12 | GOM_TRA_1PNPDE20081113_004826_000000502073_00432_35055_3149.N1 | 13-NOV-2008 00:48:26 | Dark | 50.000 | 2 | Alp Car | -0.73600 | 7000.0 | 100 | 35055 | No |

| | | | | | | | | | | | |
|----|--|----------------------|------------|--------|-----|-----------|----------|--------|-----|-------|----|
| 13 | GOM_TRA_1PNPDE20081113_005725_000000402073_00432_35055_3150.N1 | 13-NOV-2008 00:57:25 | Straylight | 39.500 | 157 | The1Eri | 2.9060 | 9300.0 | 79 | 35055 | No |
| 14 | GOM_TRA_1PNPDE20081113_011030_000000542073_00432_35055_3151.N1 | 13-NOV-2008 01:10:30 | Twilight | 53.500 | 94 | 92Alp Cet | 2.5260 | 3100.0 | 107 | 35055 | No |
| 15 | GOM_TRA_1PNPDE20081113_011515_000000382073_00432_35055_3152.N1 | 13-NOV-2008 01:15:15 | Bright | 37.500 | 105 | 6Bet Ari | 2.6450 | 8900.0 | 75 | 35055 | No |
| 16 | GOM_TRA_1PNPDE20081113_011918_000000362073_00432_35055_3153.N1 | 13-NOV-2008 01:19:18 | Bright | 36.000 | 173 | 4Bet Tri | 3.0040 | 8900.0 | 72 | 35055 | No |
| 17 | GOM_TRA_1PNPDE20081113_012122_000000372073_00432_35055_3154.N1 | 13-NOV-2008 01:21:22 | Bright | 37.000 | 73 | 57Gam1And | 2.2600 | 13100. | 74 | 35055 | No |
| 18 | GOM_TRA_1PNPDE20081113_012441_000000382073_00432_35055_3155.N1 | 13-NOV-2008 01:24:41 | Bright | 38.000 | 35 | 33Alp Per | 1.7950 | 6250.0 | 76 | 35055 | No |
| 19 | GOM_TRA_1PNPDE20081113_012622_000000352073_00432_35055_3156.N1 | 13-NOV-2008 01:26:22 | Bright | 35.000 | 110 | 37Del Cas | 2.6780 | 8900.0 | 70 | 35055 | No |
| 20 | GOM_TRA_1PNPDE20081113_013435_000000362073_00432_35055_3157.N1 | 13-NOV-2008 01:34:35 | Bright | 36.000 | 49 | 1Alp UMi | 1.9900 | 6300.0 | 72 | 35055 | No |
| 21 | GOM_TRA_1PNPDE20081113_013852_000000372073_00432_35055_3158.N1 | 13-NOV-2008 01:38:52 | Bright | 36.500 | 60 | 7Bet UMi | 2.0810 | 3950.0 | 73 | 35055 | No |
| 22 | GOM_TRA_1PNPDE20081113_014220_000000422073_00432_35055_3159.N1 | 13-NOV-2008 01:42:20 | Bright | 42.000 | 36 | 50Alp UMa | 1.8000 | 6300.0 | 84 | 35055 | No |
| 23 | GOM_TRA_1PNPDE20081113_014359_000000602073_00432_35055_3160.N1 | 13-NOV-2008 01:43:59 | Bright | 60.000 | 82 | 48Bet UMa | 2.3650 | 10600. | 120 | 35055 | No |
| 24 | GOM_TRA_1PNPDE20081113_014608_000000362073_00432_35055_3161.N1 | 13-NOV-2008 01:46:08 | Bright | 35.500 | 39 | 85Eta UMa | 1.8540 | 24000. | 71 | 35055 | No |
| 25 | GOM_TRA_1PNPDE20081113_014938_000000352073_00432_35055_3162.N1 | 13-NOV-2008 01:49:38 | Bright | 34.500 | 152 | 12Alp2CVn | 2.8900 | 11000. | 69 | 35055 | No |
| 26 | GOM_TRA_1PNPDE20081113_015730_000000402073_00432_35055_3163.N1 | 13-NOV-2008 01:57:30 | Bright | 39.500 | 62 | 94Bet Leo | 2.1360 | 9700.0 | 79 | 35055 | No |
| 27 | GOM_TRA_1PNPDE20081113_020105_000000342073_00432_35055_3164.N1 | 13-NOV-2008 02:01:05 | Bright | 34.000 | 121 | 29Gam Vir | 2.7400 | 7200.0 | 68 | 35055 | No |
| 28 | GOM_TRA_1PNPDE20081113_020603_000000422073_00432_35055_3286.N1 | 13-NOV-2008 02:06:03 | Twilight | 42.000 | 100 | 4Gam Crv | 2.5800 | 13100. | 84 | 35055 | No |
| 29 | GOM_TRA_1PNPDE20081113_020734_000000442073_00432_35055_3287.N1 | 13-NOV-2008 02:07:34 | Twilight | 43.500 | 171 | 2Eps Crv | 3.0010 | 4250.0 | 87 | 35055 | No |
| 30 | GOM_TRA_1PNPDE20081113_021644_000000392073_00432_35055_3288.N1 | 13-NOV-2008 02:16:44 | Dark | 39.000 | 113 | Mu Vel | 2.6920 | 5000.0 | 78 | 35055 | No |
| 31 | GOM_TRA_1PNPDE20081113_021948_000000372073_00433_35056_3289.N1 | 13-NOV-2008 02:19:48 | Dark | 36.500 | 124 | The Car | 2.7640 | 30000. | 73 | 35056 | No |
| 32 | GOM_TRA_1PNPDE20081113_022415_000000462073_00433_35056_3290.N1 | 13-NOV-2008 02:24:15 | Dark | 46.000 | 34 | Gam2Vel | 1.7930 | 23000. | 92 | 35056 | No |
| 33 | GOM_TRA_1PNPDE20081113_022902_000000492073_00433_35056_3291.N1 | 13-NOV-2008 02:29:02 | Dark | 49.000 | 2 | Alp Car | -0.73600 | 7000.0 | 98 | 35056 | No |
| 34 | GOM_TRA_1PNPDE20081113_023801_000000402073_00433_35056_3292.N1 | 13-NOV-2008 02:38:01 | Straylight | 39.500 | 157 | The1Eri | 2.9060 | 9300.0 | 79 | 35056 | No |
| 35 | GOM_TRA_1PNPDE20081113_025106_000000472073_00433_35056_3293.N1 | 13-NOV-2008 02:51:06 | Twilight | 47.000 | 94 | 92Alp Cet | 2.5260 | 3100.0 | 94 | 35056 | No |
| 36 | GOM_TRA_1PNPDE20081113_025551_000000372073_00433_35056_3294.N1 | 13-NOV-2008 02:55:51 | Bright | 36.500 | 105 | 6Bet Ari | 2.6450 | 8900.0 | 73 | 35056 | No |
| 37 | GOM_TRA_1PNPDE20081113_025954_000000362073_00433_35056_3295.N1 | 13-NOV-2008 02:59:54 | Bright | 36.000 | 173 | 4Bet Tri | 3.0040 | 8900.0 | 72 | 35056 | No |
| 38 | GOM_TRA_1PNPDE20081113_030158_000000392073_00433_35056_3296.N1 | 13-NOV-2008 03:01:58 | Bright | 39.000 | 73 | 57Gam1And | 2.2600 | 13100. | 78 | 35056 | No |
| 39 | GOM_TRA_1PNPDE20081113_030517_000000402073_00433_35056_3297.N1 | 13-NOV-2008 03:05:17 | Bright | 40.000 | 35 | 33Alp Per | 1.7950 | 6250.0 | 80 | 35056 | No |
| 40 | GOM_TRA_1PNPDE20081113_030658_000000352073_00433_35056_3298.N1 | 13-NOV-2008 03:06:58 | Bright | 35.000 | 110 | 37Del Cas | 2.6780 | 8900.0 | 70 | 35056 | No |
| 41 | GOM_TRA_1PNPDE20081113_031510_000000332073_00433_35056_3299.N1 | 13-NOV-2008 03:15:10 | Bright | 32.500 | 49 | 1Alp UMi | 1.9900 | 6300.0 | 65 | 35056 | No |
| 42 | GOM_TRA_1PNPDE20081113_031928_000000362073_00433_35056_3300.N1 | 13-NOV-2008 03:19:28 | Bright | 35.500 | 60 | 7Bet UMi | 2.0810 | 3950.0 | 71 | 35056 | No |
| 43 | GOM_TRA_1PNPDE20081113_032256_000000432073_00433_35056_3460.N1 | 13-NOV-2008 03:22:56 | Bright | 42.500 | 36 | 50Alp UMa | 1.8000 | 6300.0 | 85 | 35056 | No |
| 44 | GOM_TRA_1PNPDE20081113_032434_000000532073_00433_35056_3461.N1 | 13-NOV-2008 03:24:34 | Bright | 53.000 | 82 | 48Bet UMa | 2.3650 | 10600. | 106 | 35056 | No |
| 45 | GOM_TRA_1PNPDE20081113_032644_000000342073_00433_35056_3462.N1 | 13-NOV-2008 03:26:44 | Bright | 33.500 | 39 | 85Eta UMa | 1.8540 | 24000. | 67 | 35056 | No |
| 46 | GOM_TRA_1PNPDE20081113_033013_000000342073_00433_35056_3463.N1 | 13-NOV-2008 03:30:13 | Bright | 34.000 | 152 | 12Alp2CVn | 2.8900 | 11000. | 68 | 35056 | No |
| 47 | GOM_TRA_1PNPDE20081113_033806_000000412073_00433_35056_3464.N1 | 13-NOV-2008 03:38:06 | Bright | 41.000 | 62 | 94Bet Leo | 2.1360 | 9700.0 | 82 | 35056 | No |
| 48 | GOM_TRA_1PNPDE20081113_034141_000000352073_00433_35056_3465.N1 | 13-NOV-2008 03:41:41 | Bright | 34.500 | 121 | 29Gam Vir | 2.7400 | 7200.0 | 69 | 35056 | No |

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



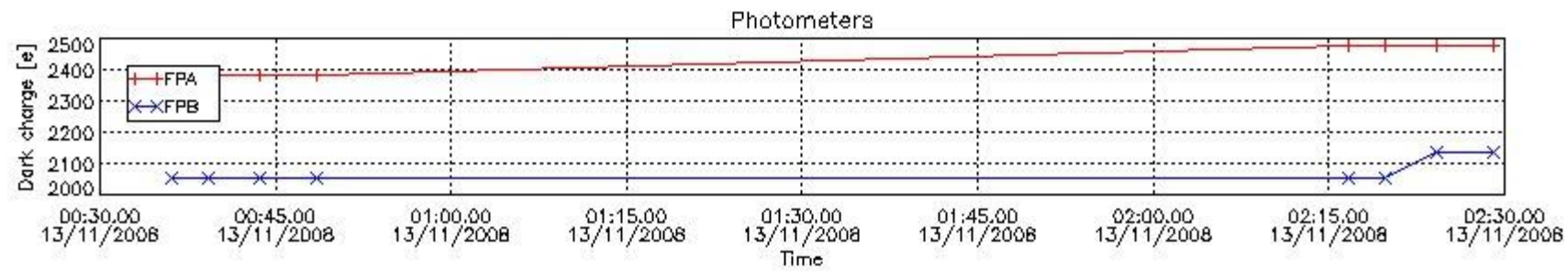
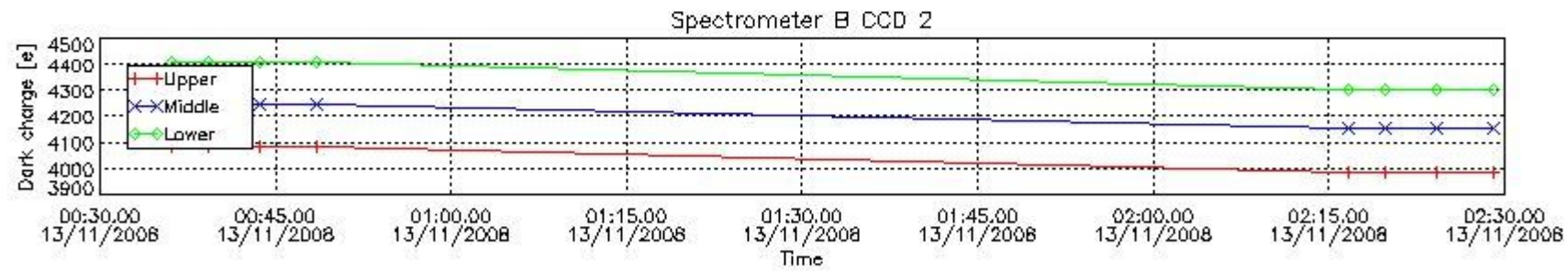
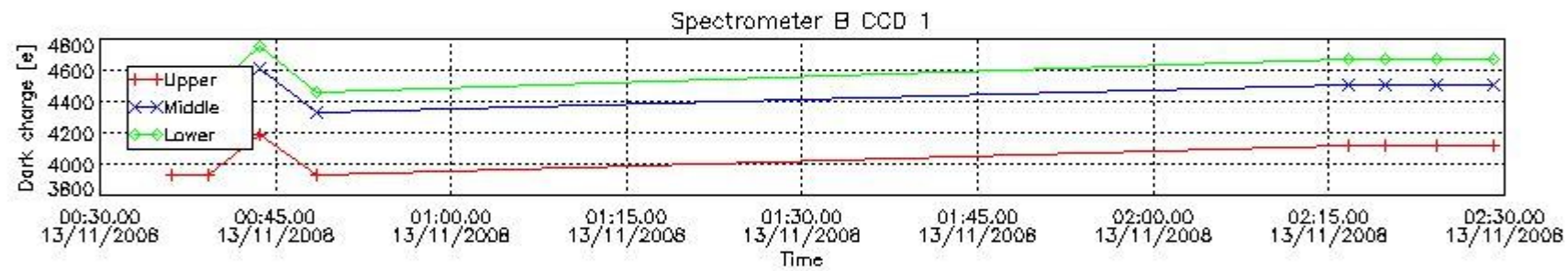
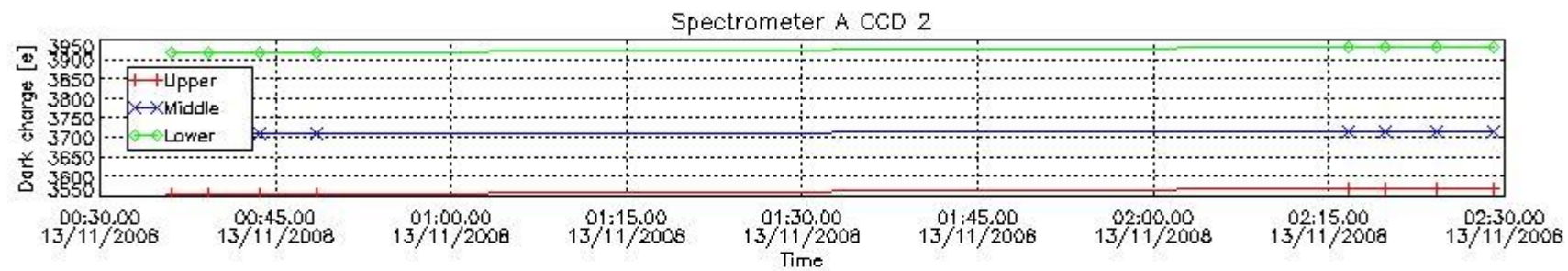
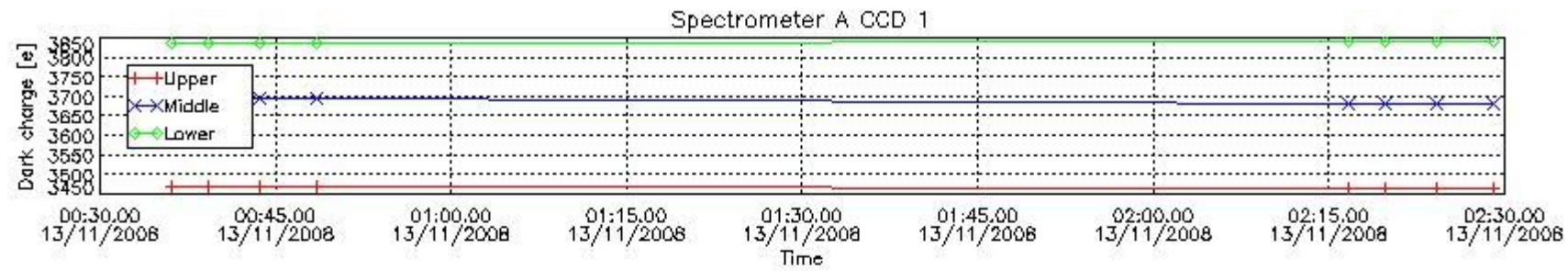
4. Overview of dark signal processing per product

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



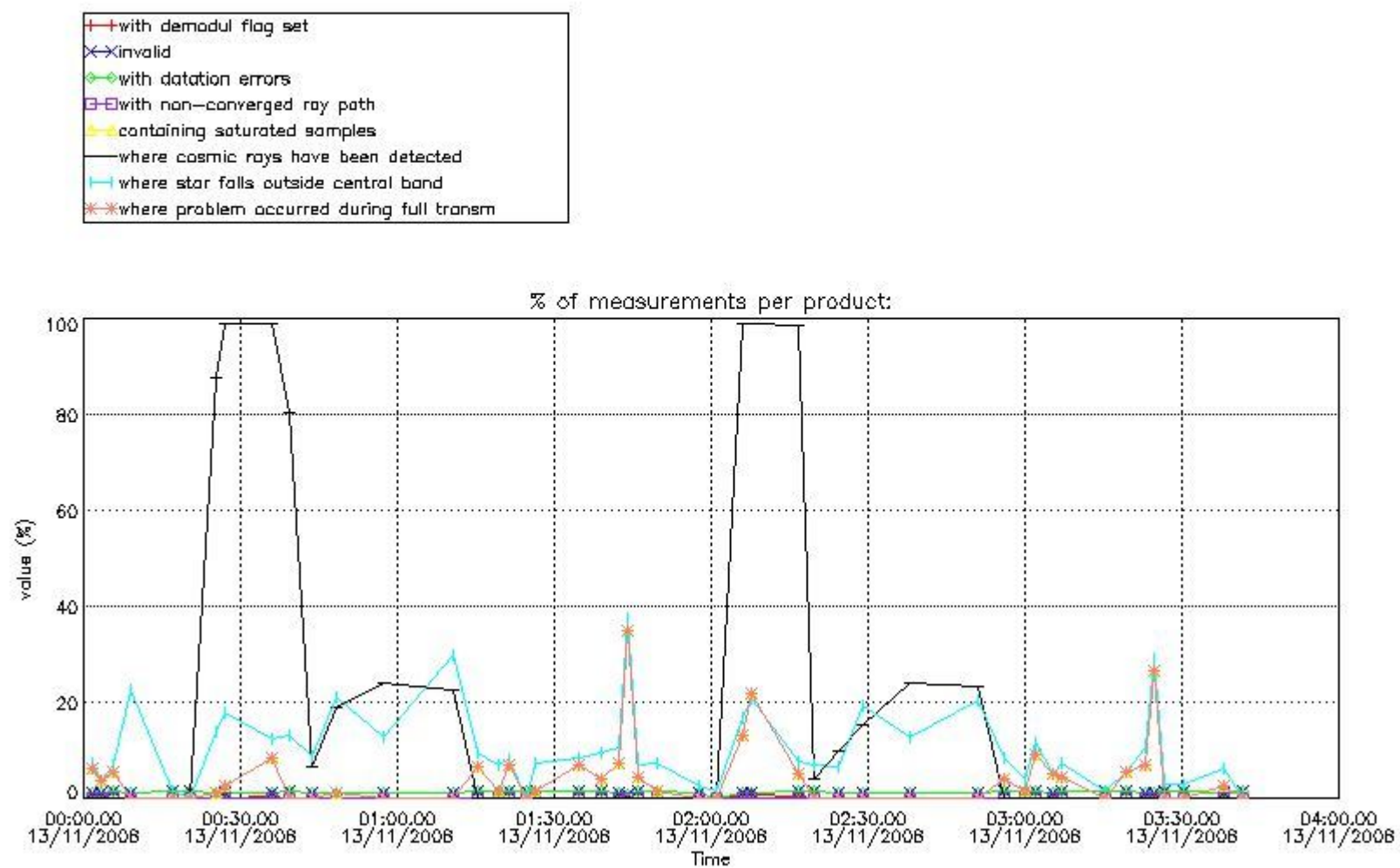
5. Demodulation flag and quality information monitoring

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.

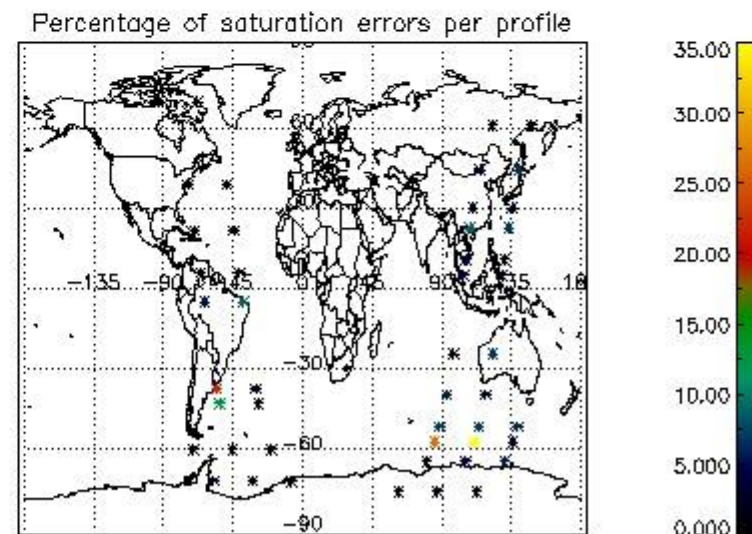
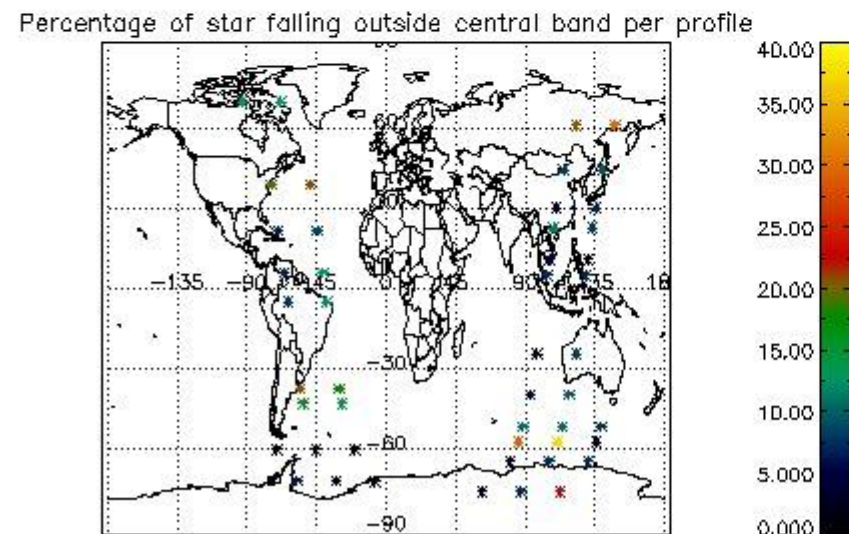
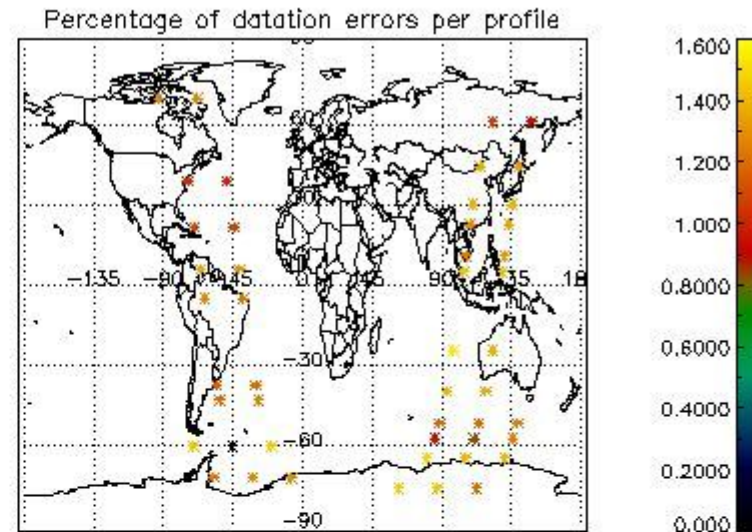
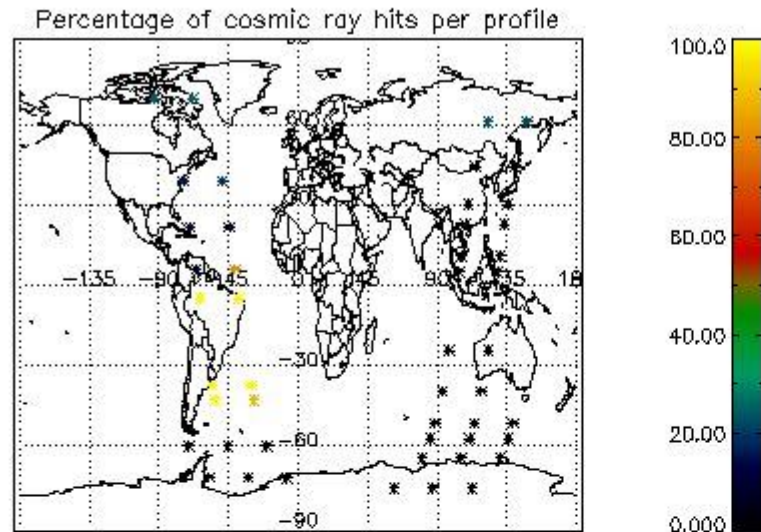
5.1 Percentage of products during reporting period with:

| | |
|---|-----------|
| At least one measurement with demodulation flag set: | 25.0000 % |
| Reference spectrum computed from DB: | 0.00000 % |
| Reference spectrum with small number of measurements: | 0.00000 % |
| SATU data not used: | 0.00000 % |

5.2 Plot quality information per product (time dependant)



5.3 Plot quality information per product (world map)



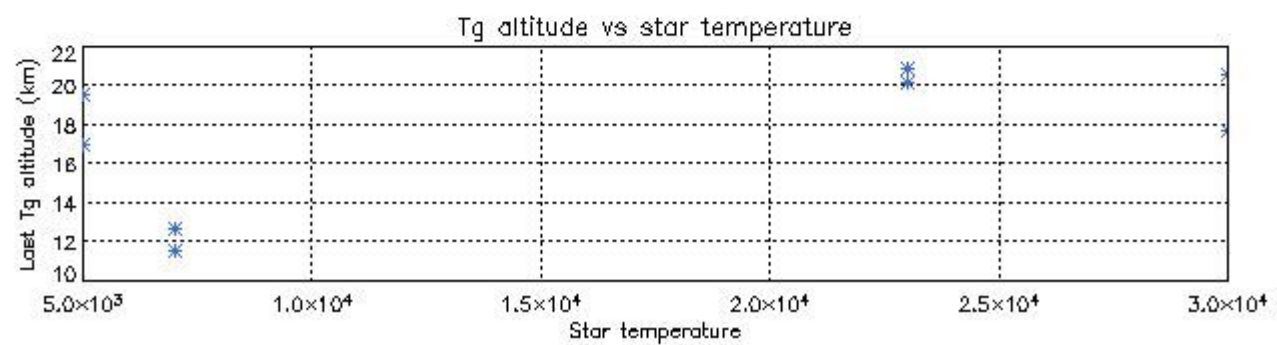
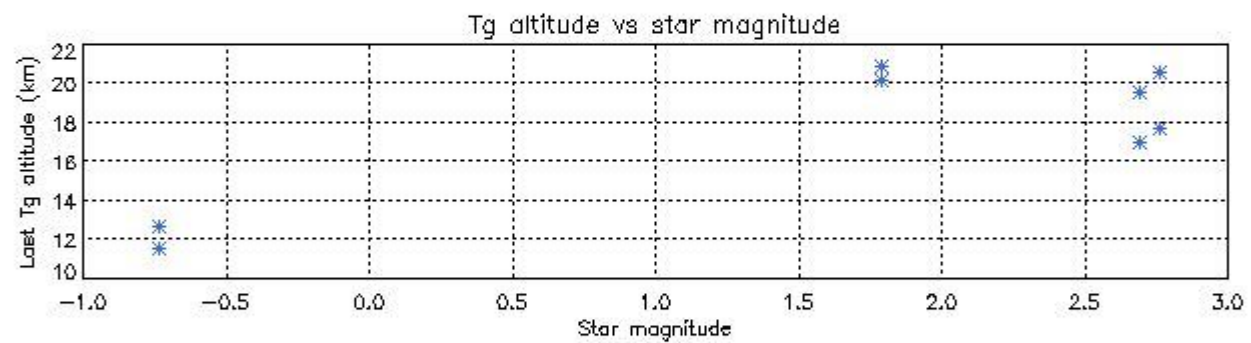
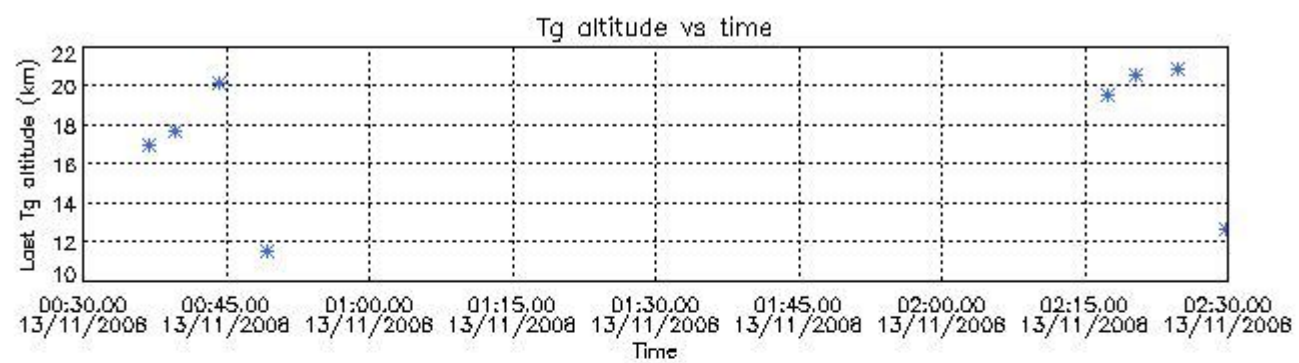
6. Statistics and plot of tangent altitude of the last measurement (DARK & BRIGHT products without errors)

6.1 Statistics on tangent altitude lost:

| Statistics | DARK | BRIGHT | TWILIGHT |
|-----------------|--------|--------|----------|
| Mean: | 17.500 | 20.451 | 12.341 |
| St. deviation: | 3.5978 | 5.0256 | 0.90715 |
| Maximum: | 20.839 | 29.051 | 12.983 |
| Minimum: | 11.583 | 3.7031 | 11.700 |
| Number of data: | 8.0000 | 32.000 | 2.0000 |

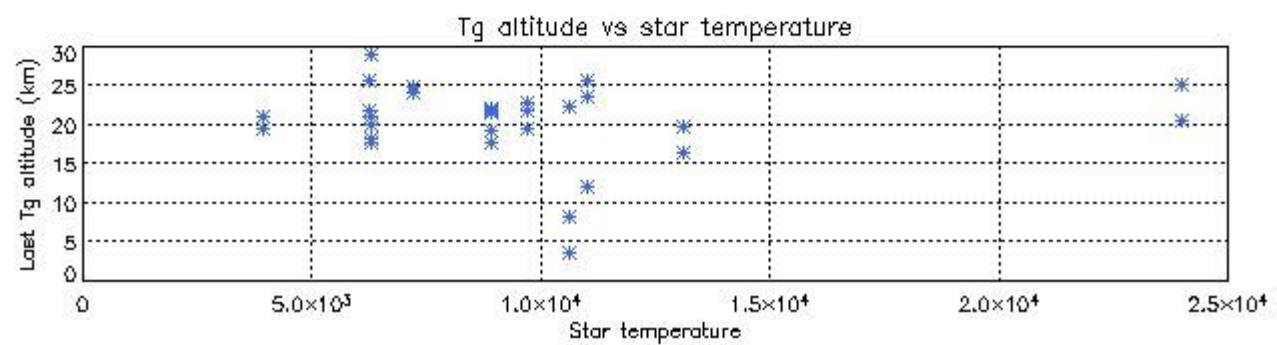
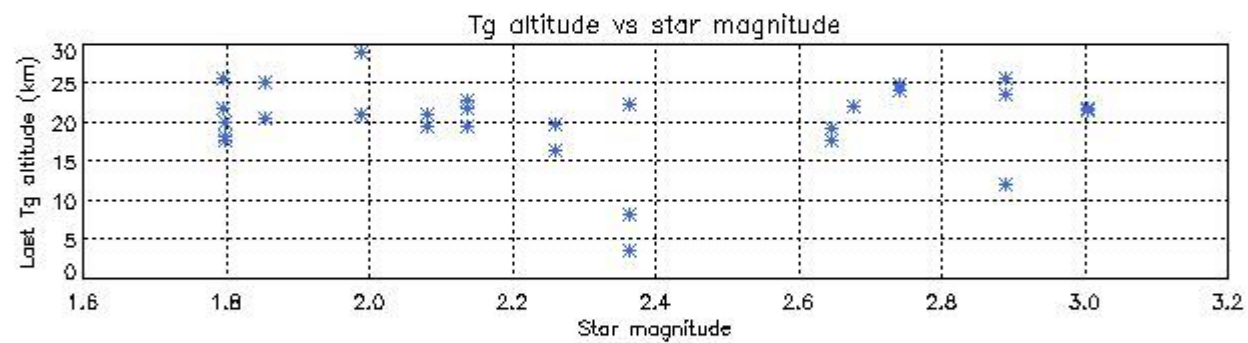
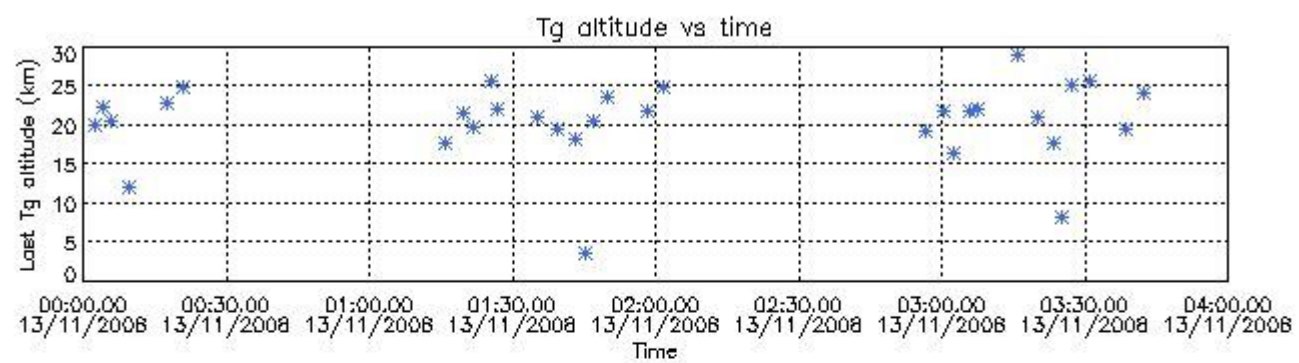
6.2 Plot for DARK limb products

Tangent altitude at which the star is lost



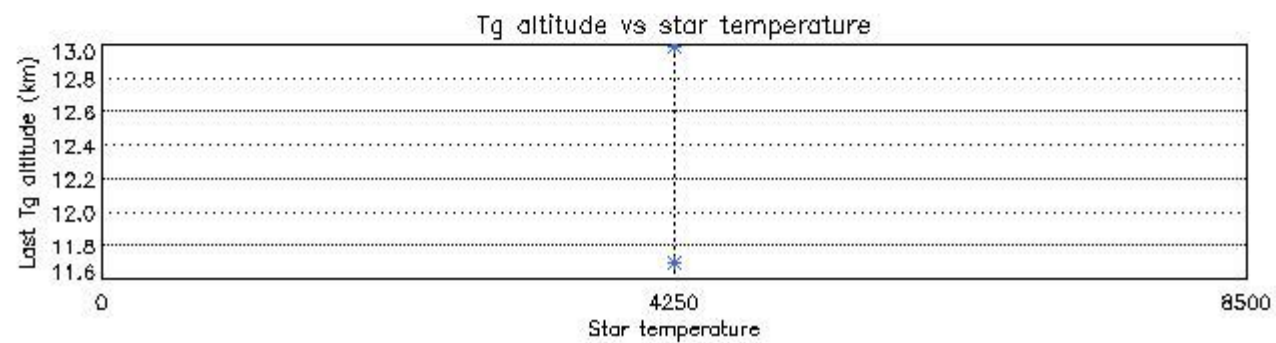
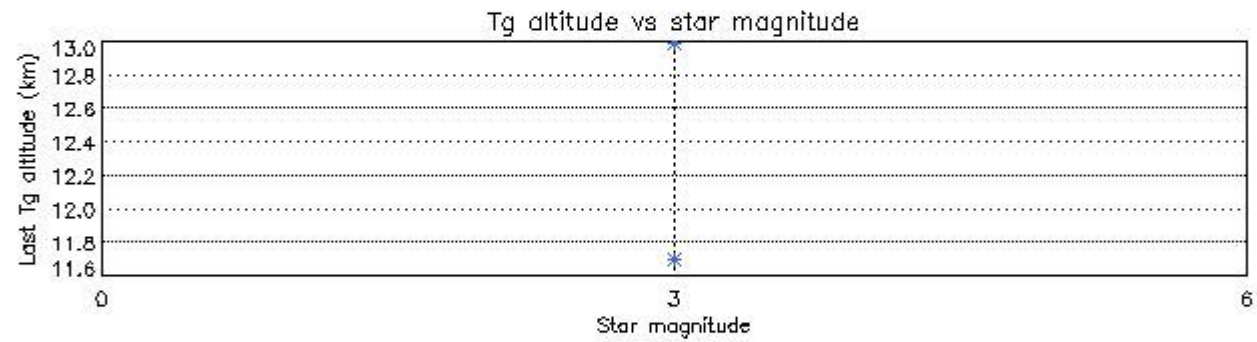
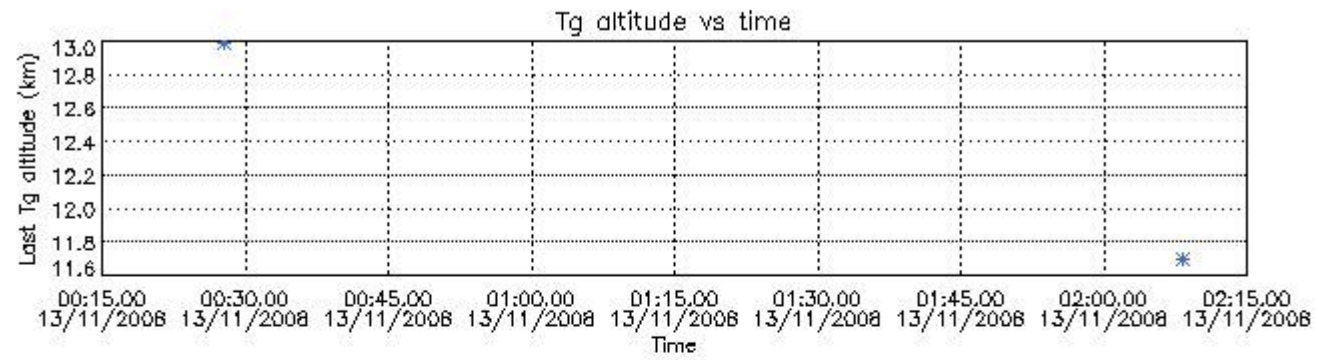
6.3 Plot for BRIGHT limb products

Tangent altitude at which the star is lost



6.3 Plot for TWILIGHT limb products

Tangent altitude at which the star is lost

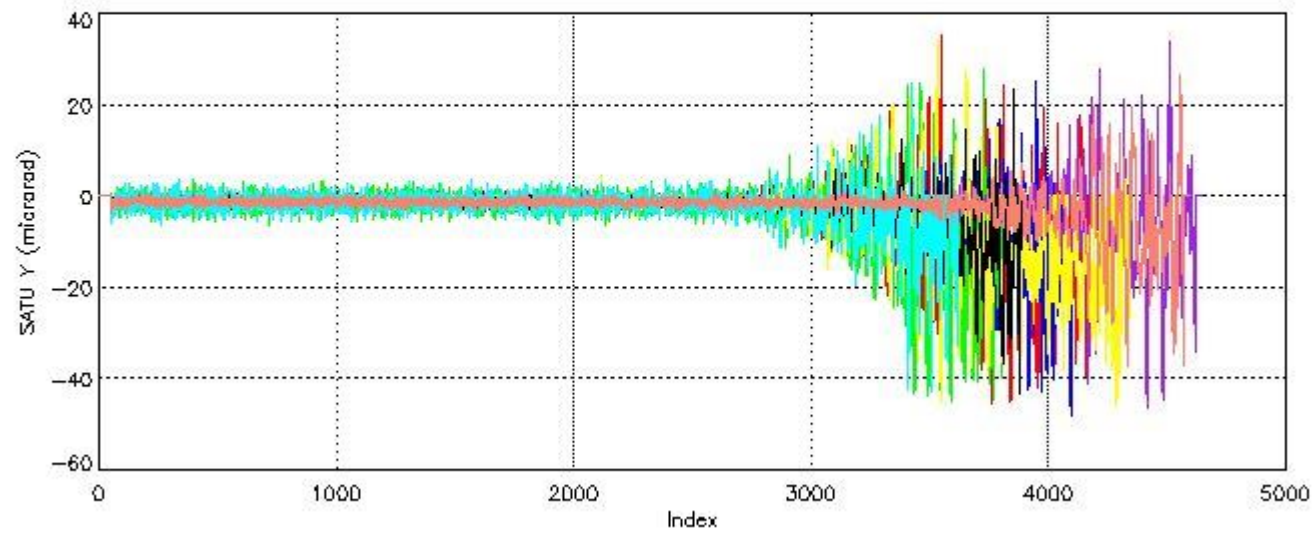
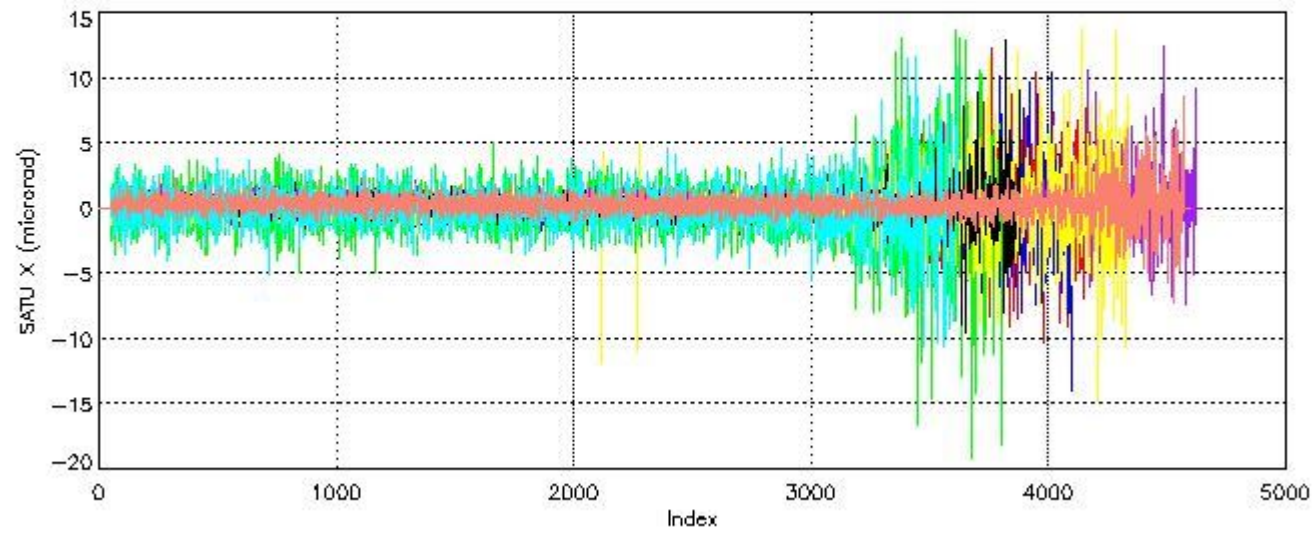


7. Star Acquisition and Tracking Unit (SATU)

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

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

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



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

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

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

7.2.1 SATU NEA Statistics (table)

| Statistics | SATU X (D) | SATU Y (D) | SATU X (B) | SATU Y (B) |
|----------------|------------|------------|------------|------------|
| Mean: | 0.20063 | -1.2764 | 0.053049 | -1.3407 |
| St. deviation: | 0.62365 | 0.86299 | 0.85170 | 1.0397 |
| Maximum: | 4.1000 | 3.6000 | 5.6000 | 6.1000 |
| Minimum: | -5.1000 | -6.4000 | -6.3000 | -8.1000 |

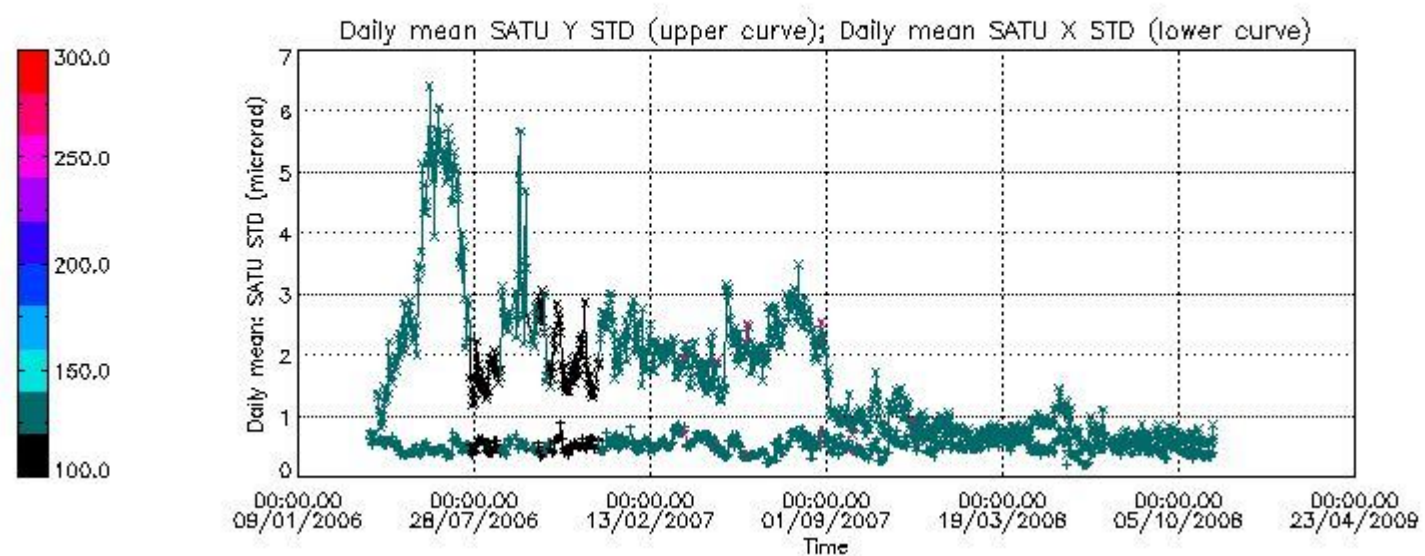
| | | | | |
|-----------------|--------|--------|--------|--------|
| Number of data: | 7850.0 | 7850.0 | 27600. | 27600. |
|-----------------|--------|--------|--------|--------|

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.

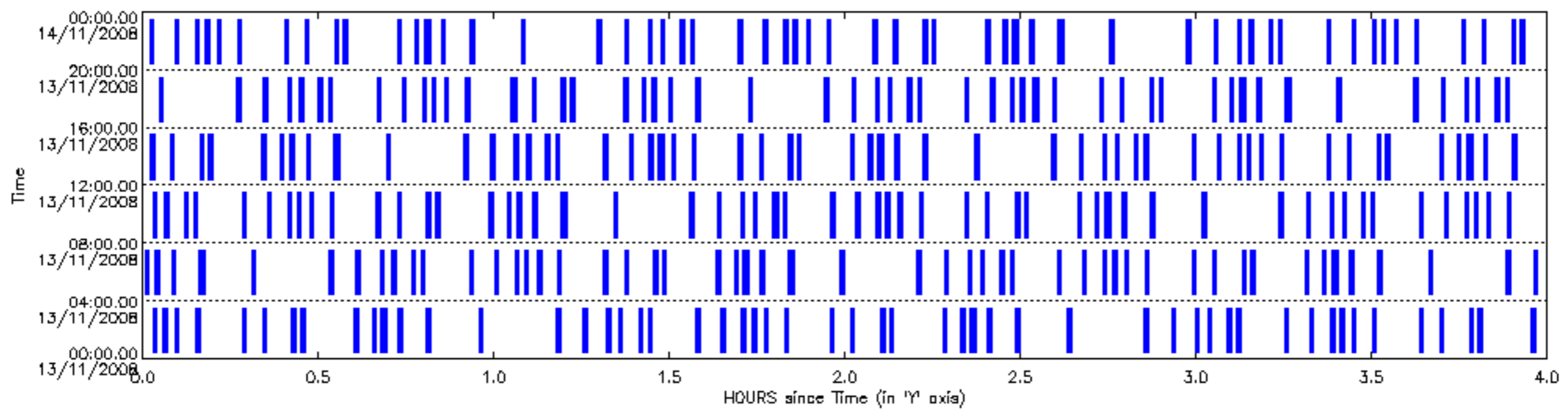
Upper curve: STD of SATU Y axis
Lower curve: STD of SATU X axis

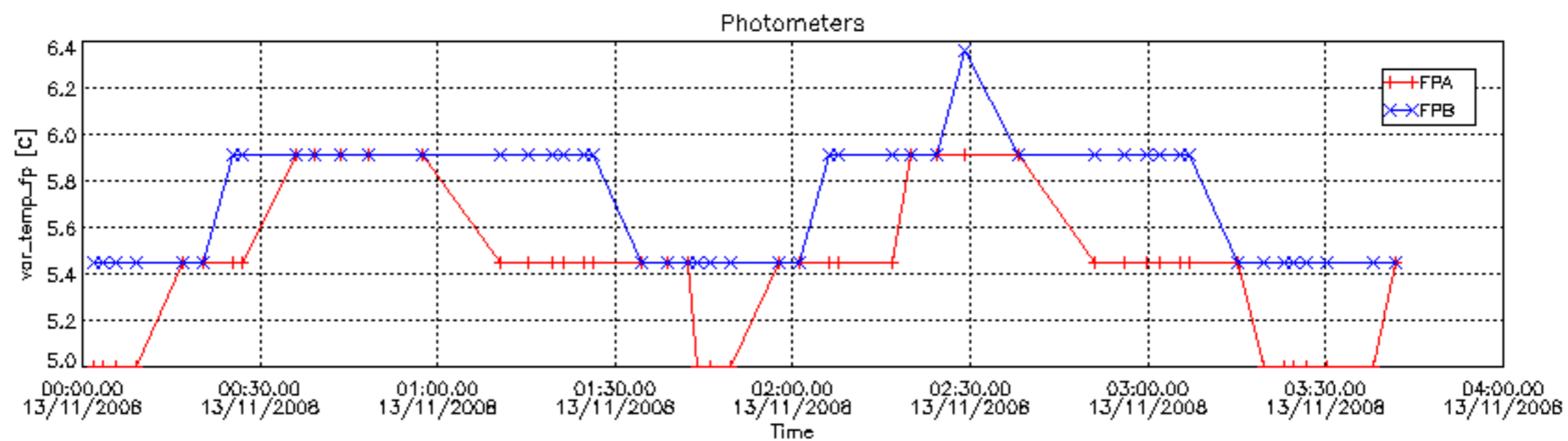
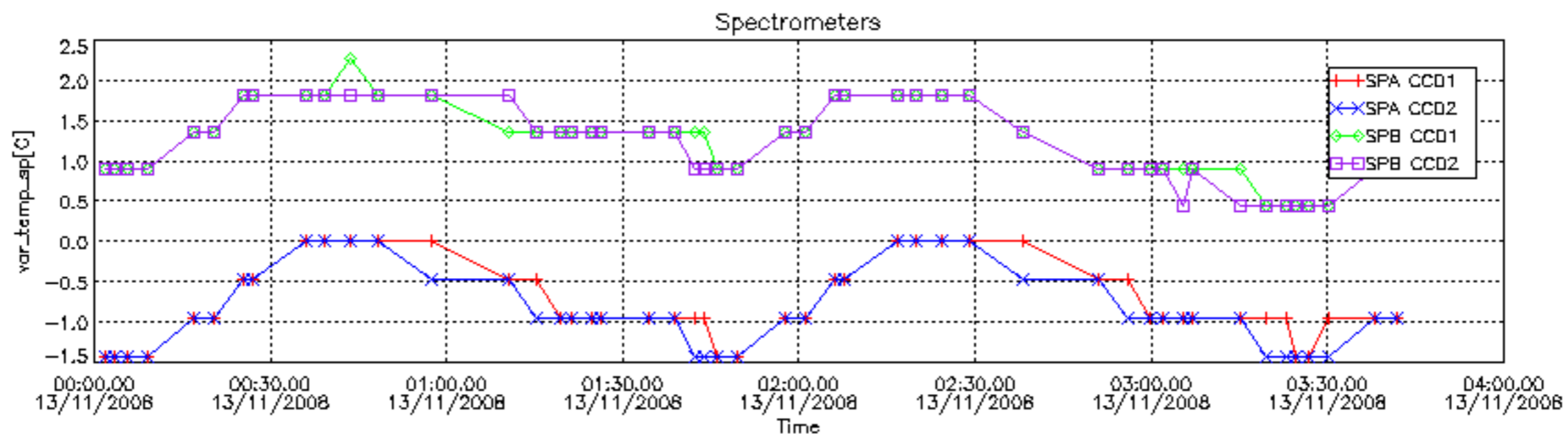


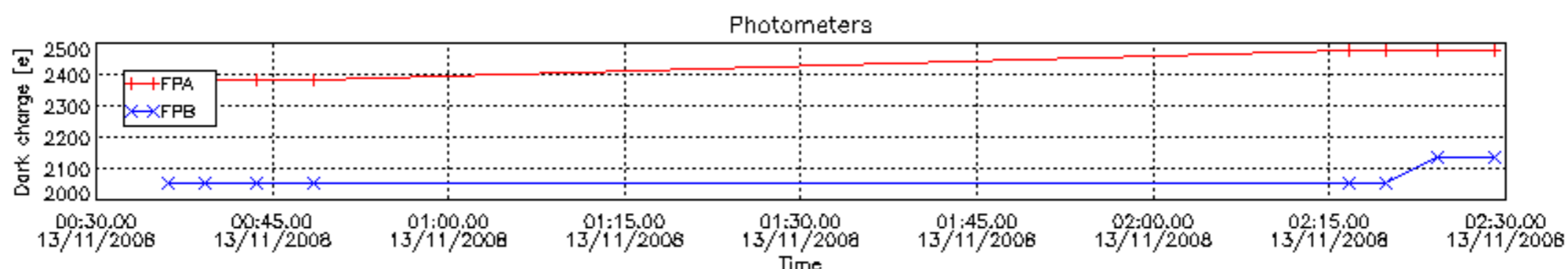
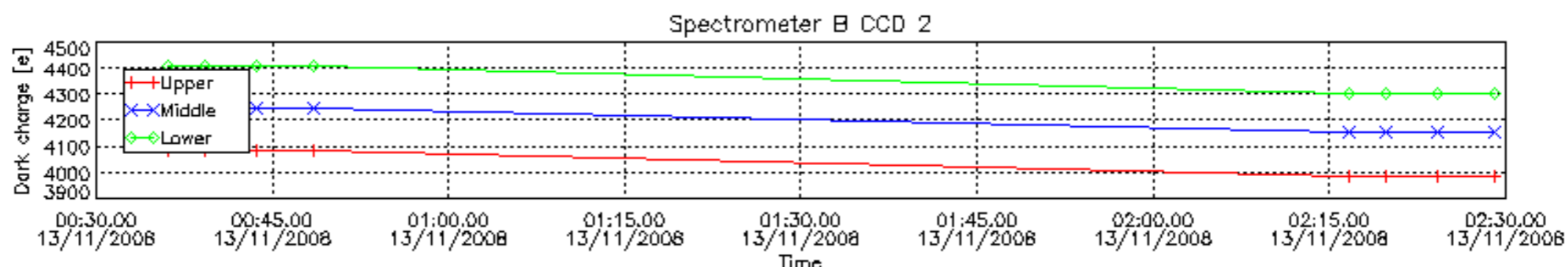
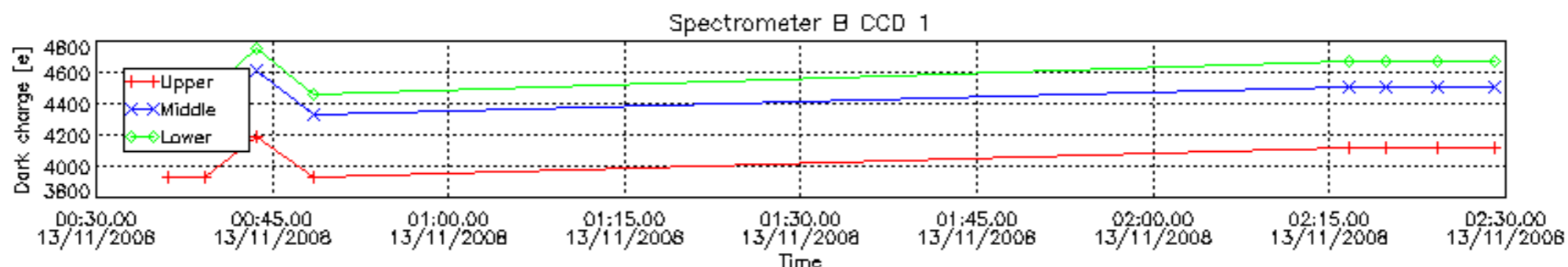
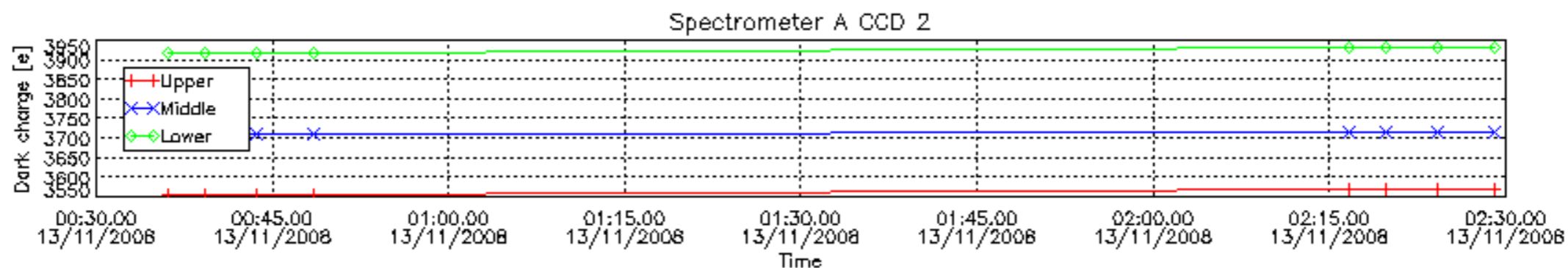
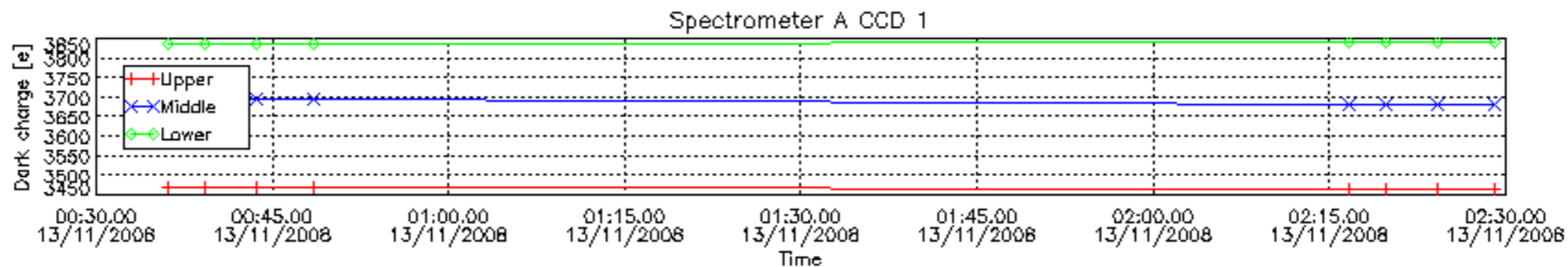
8. Auxiliary Data Files used for the production reported in section 2.4

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.

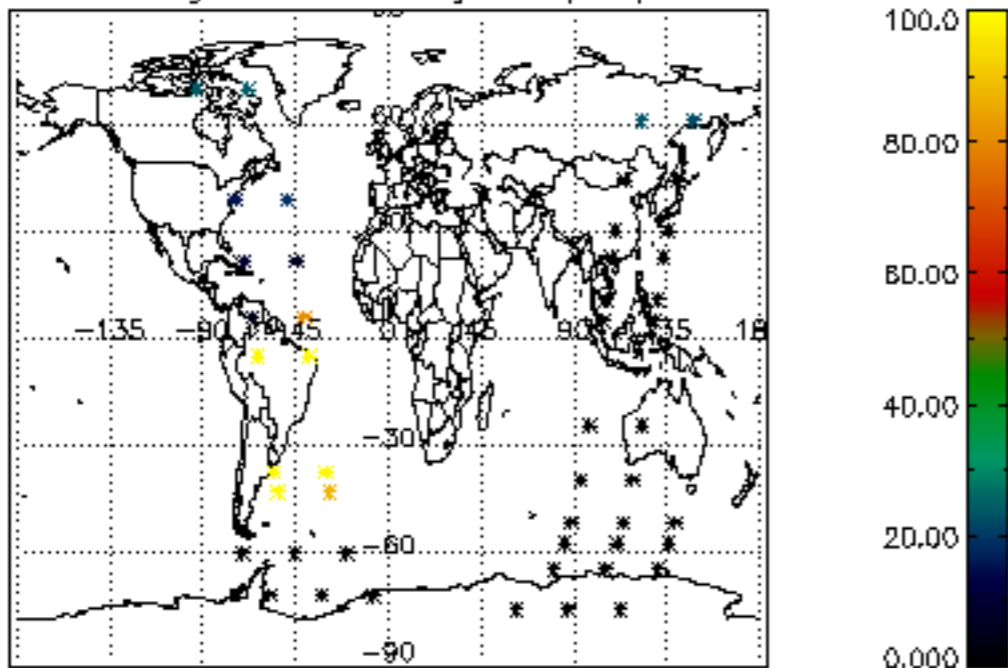
| Type | Auxiliary Filename | Used since product | Used since product date |
|---------------------------|--|--------------------|-------------------------|
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| CALIBRATION_DATABASE | GOM_CAL_AXVIEC20081107_163108_20081101_000000_20100101_000000 | 1 | 13-NOV-2008 00:01:45 |
| LEVEL-1B_PROC_CONFIG | GOM_PR1_AXNIEC20050627_151042_20020301_000000_20100101_000000 | 1 | 13-NOV-2008 00:01:45 |
| STAR_CATALOGUE | GOM_CAT_AXVIEC20020121_161009_20020101_000000_20200101_000000 | 1 | 13-NOV-2008 00:01:45 |
| STELLAR_SPECTRA_DATABANK | GOM_STS_AXNIEC20040308_103538_20020101_160000_20100101_000000 | 1 | 13-NOV-2008 00:01:45 |
| ECMWF_FILE | AUX_ECF_AXNECM20081112_072112_20081112_210000_20081113_090000 | 1 | 13-NOV-2008 00:01:45 |
| ECMWF_FILE | AUX_ECF_AXNECM20081112_192111_20081113_030000_20081113_150000 | 43 | 13-NOV-2008 03:22:56 |
| OPTIONAL_ECMWF_FILE | MISSING | 1 | 13-NOV-2008 00:01:45 |
| ORBIT_DATA_FILE | DOR_NAV_OPNPDE20081112_205427_000060572073_00429_35052_6755.N1 | 1 | 13-NOV-2008 00:01:45 |
| ORBIT_DATA_FILE | DOR_NAV_OPNPDE20081112_224043_000057382073_00430_35053_6756.N1 | 7 | 13-NOV-2008 00:25:27 |
| ORBIT_DATA_FILE | DOR_NAV_OPNPDE20081113_002140_000054192073_00431_35054_6757.N1 | 28 | 13-NOV-2008 02:06:03 |
| ORBIT_DATA_FILE | DOR_NAV_OPNPDE20081113_015718_000047822073_00432_35055_6758.N1 | 43 | 13-NOV-2008 03:22:56 |



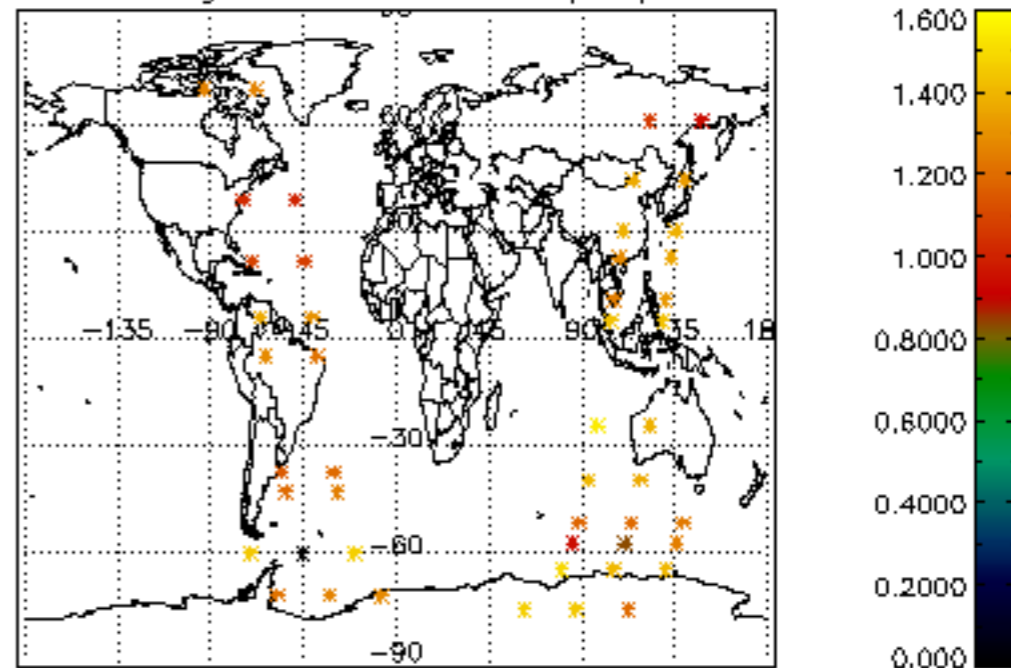




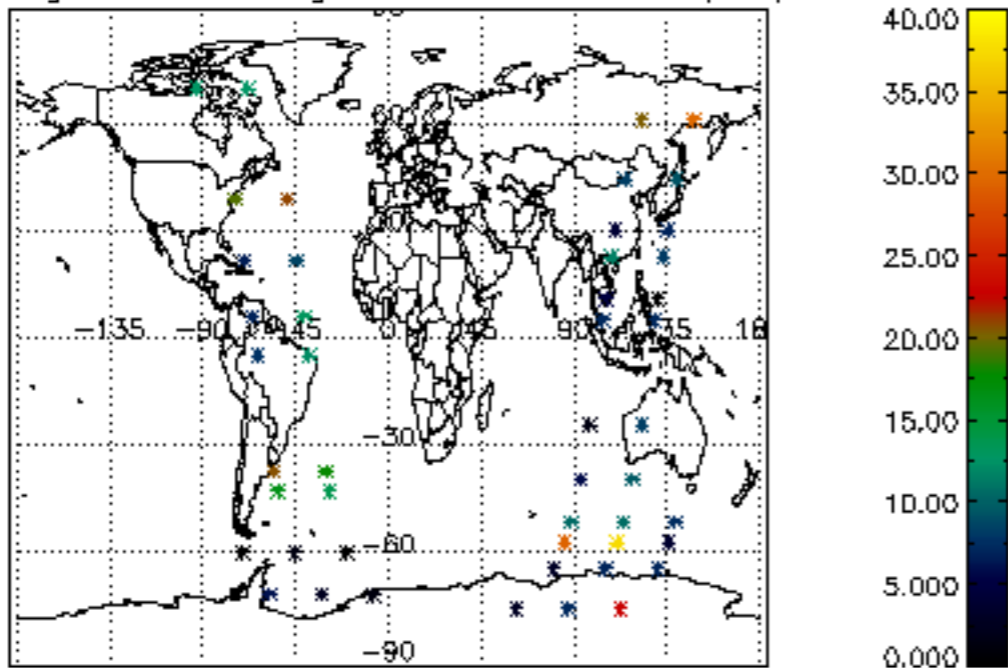
Percentage of cosmic ray hits per profile



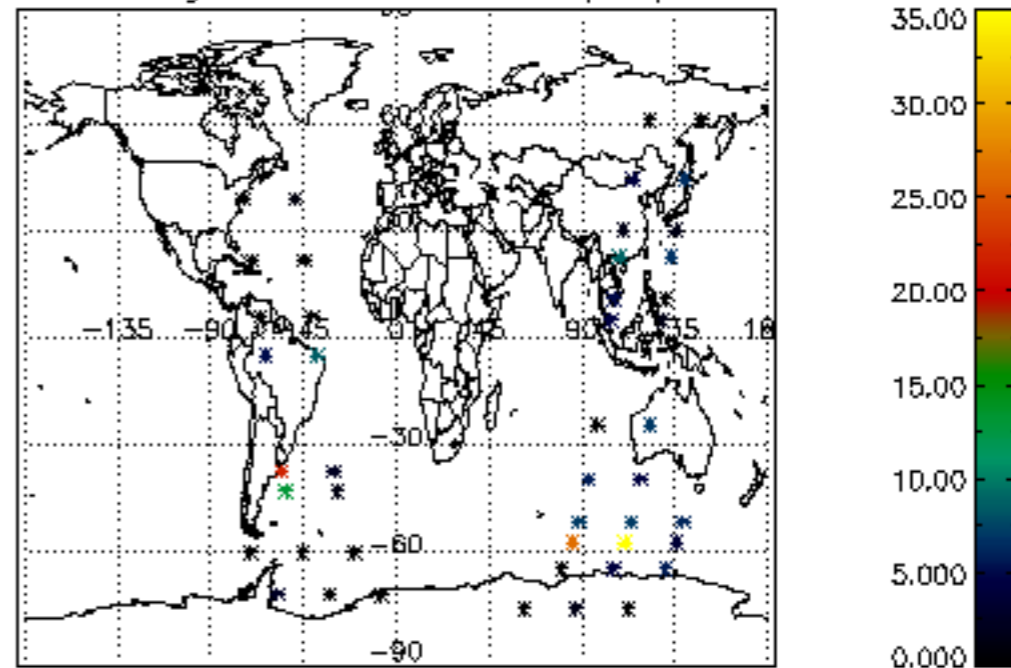
Percentage of datation errors per profile



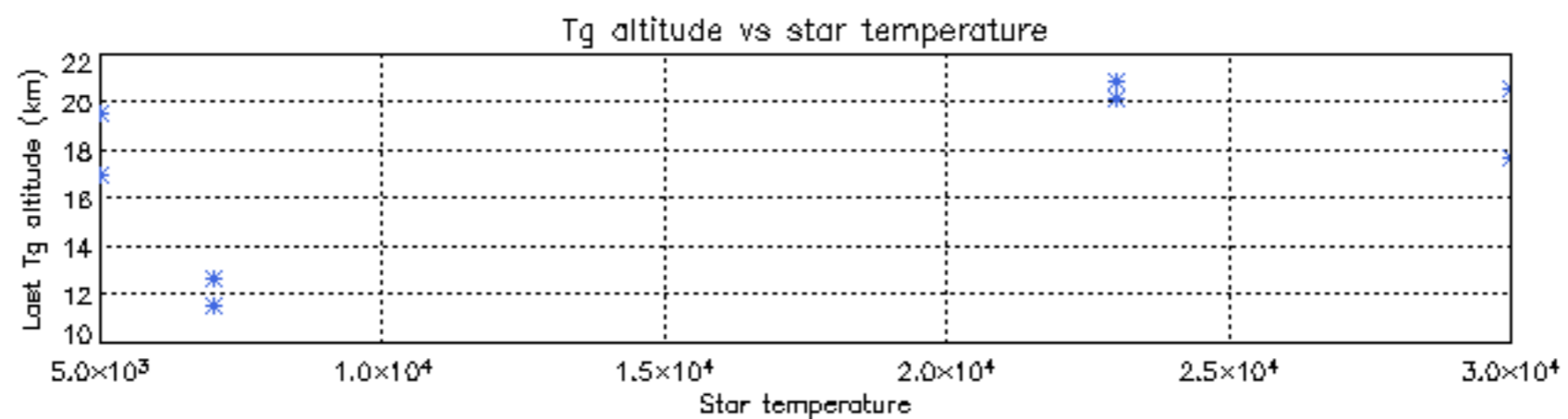
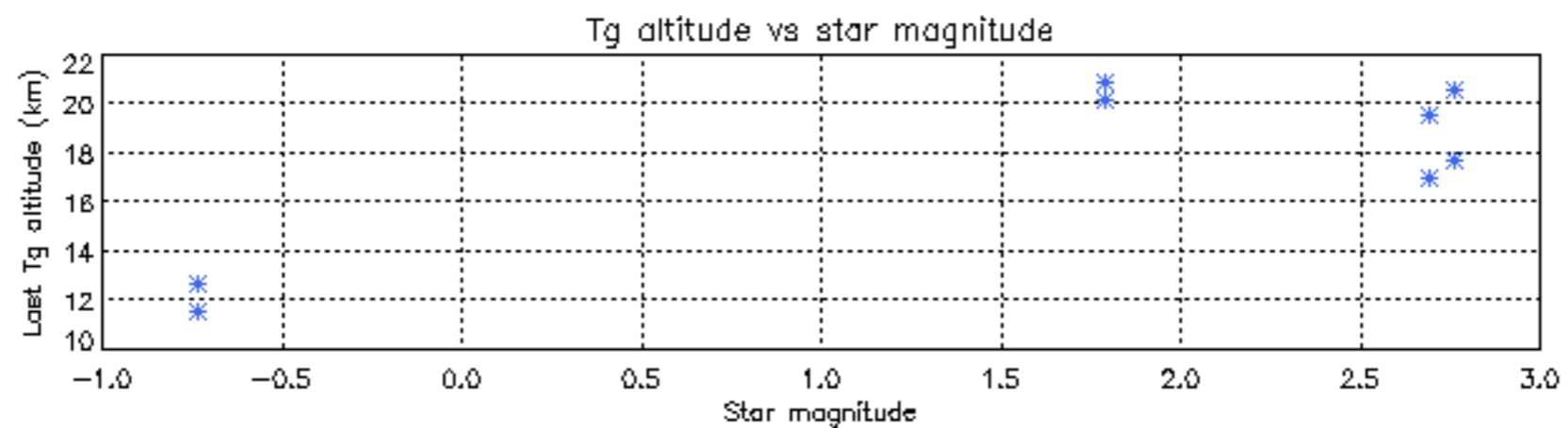
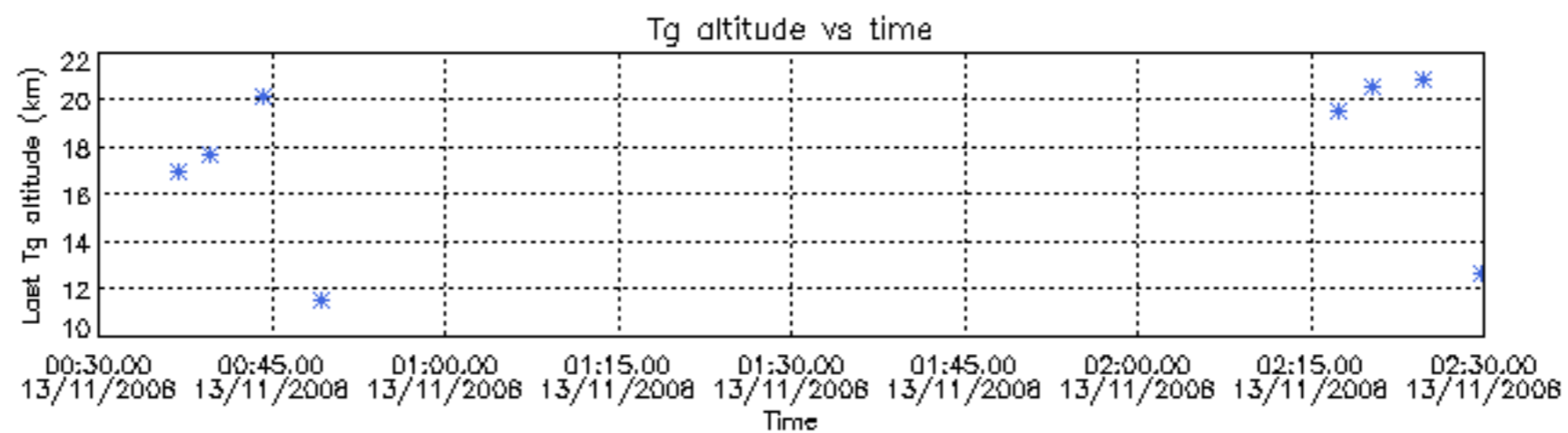
Percentage of star falling outside central band per profile



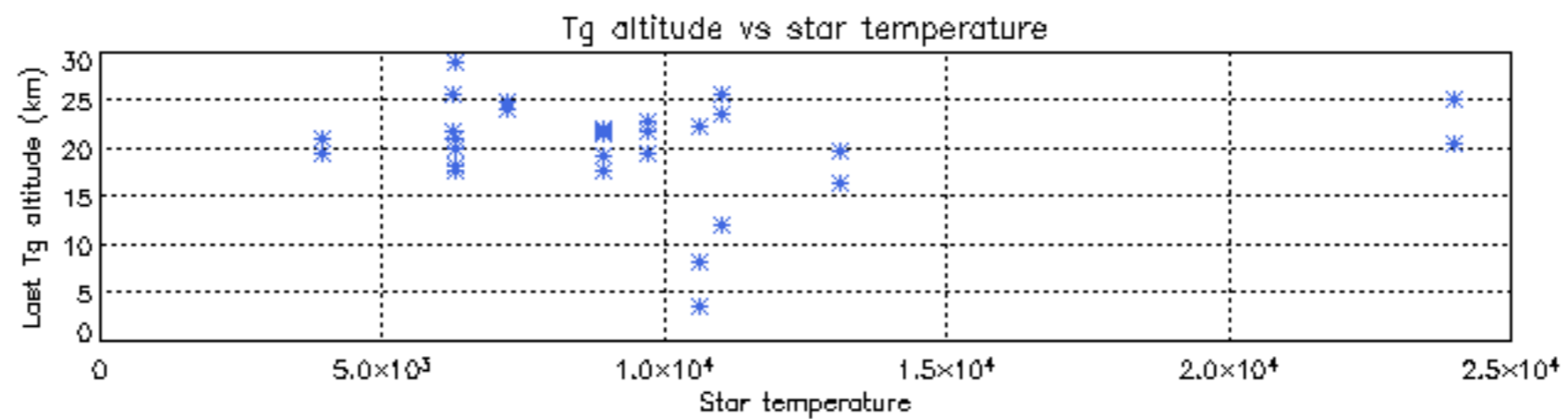
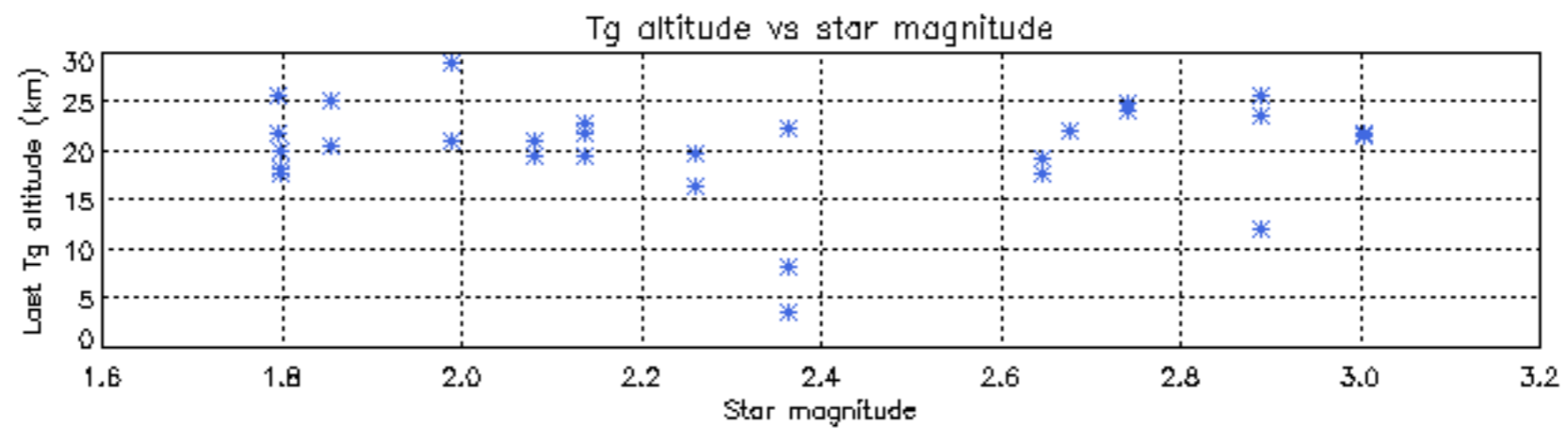
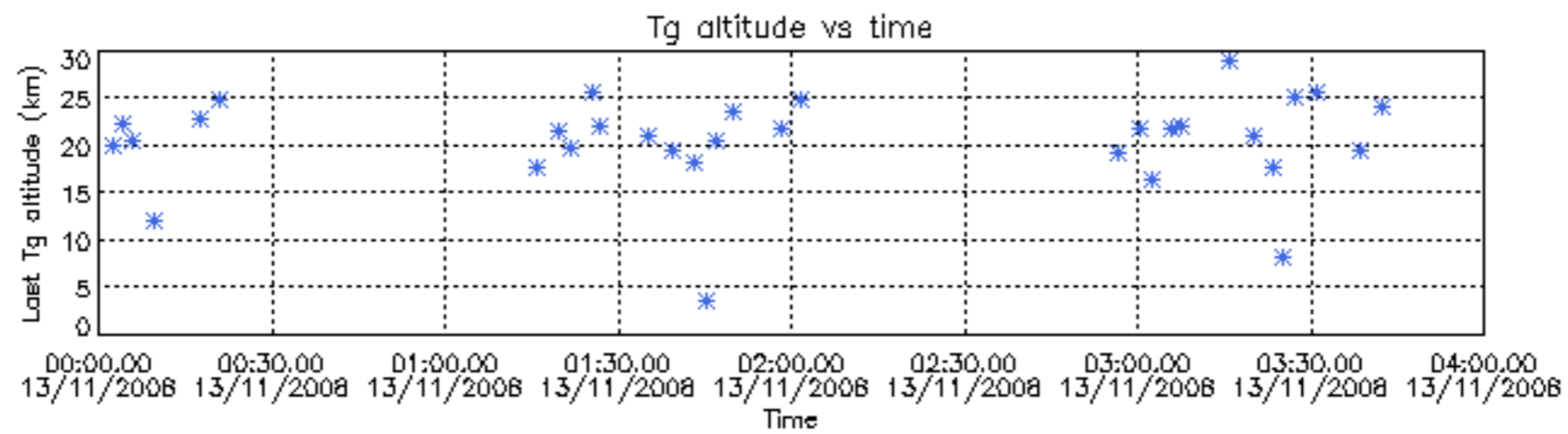
Percentage of saturation errors per profile



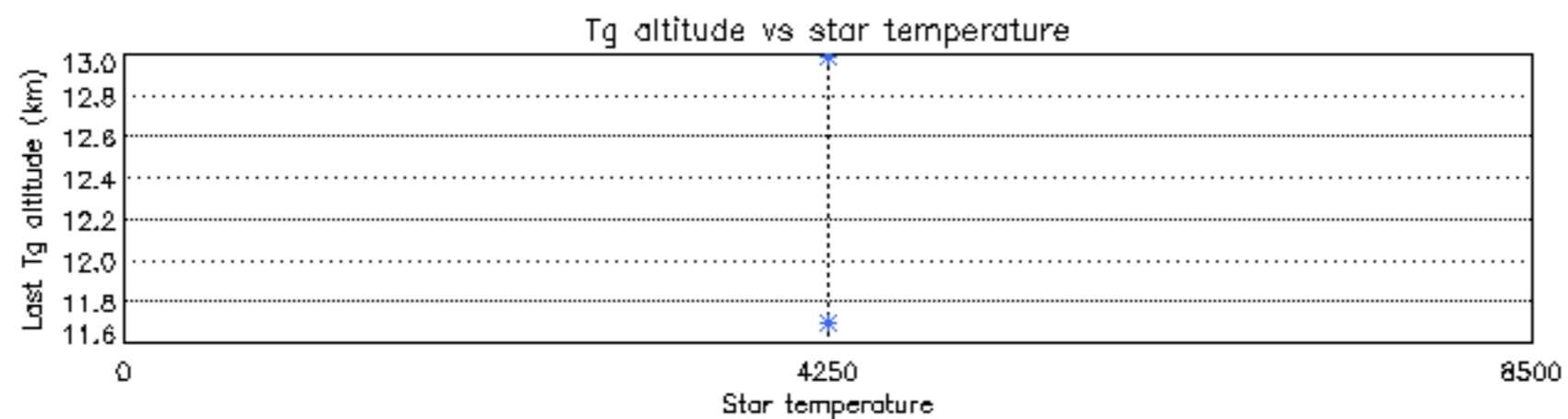
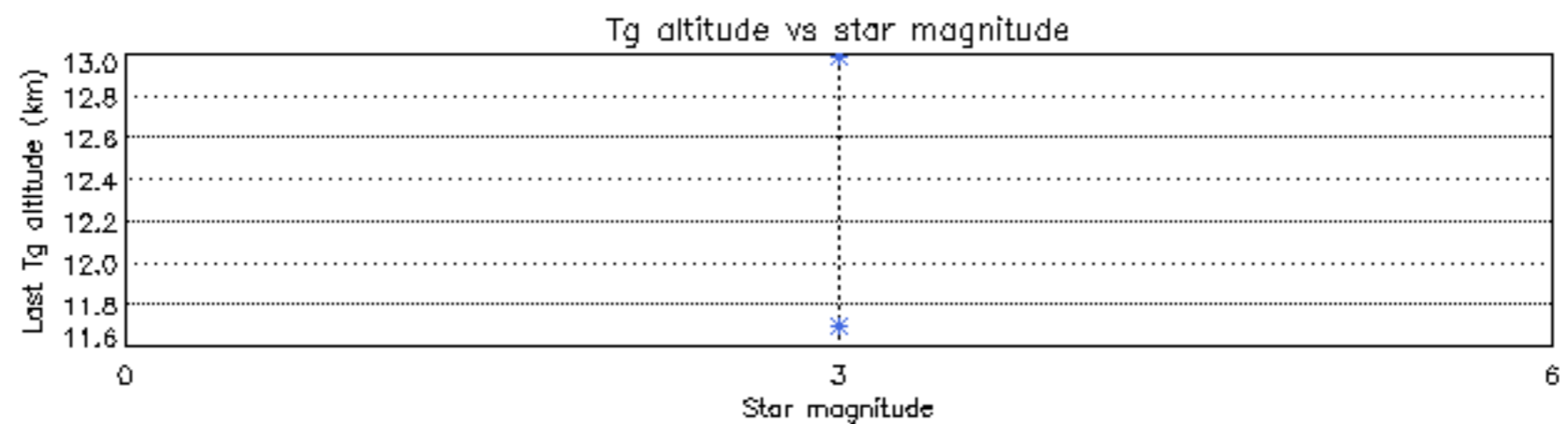
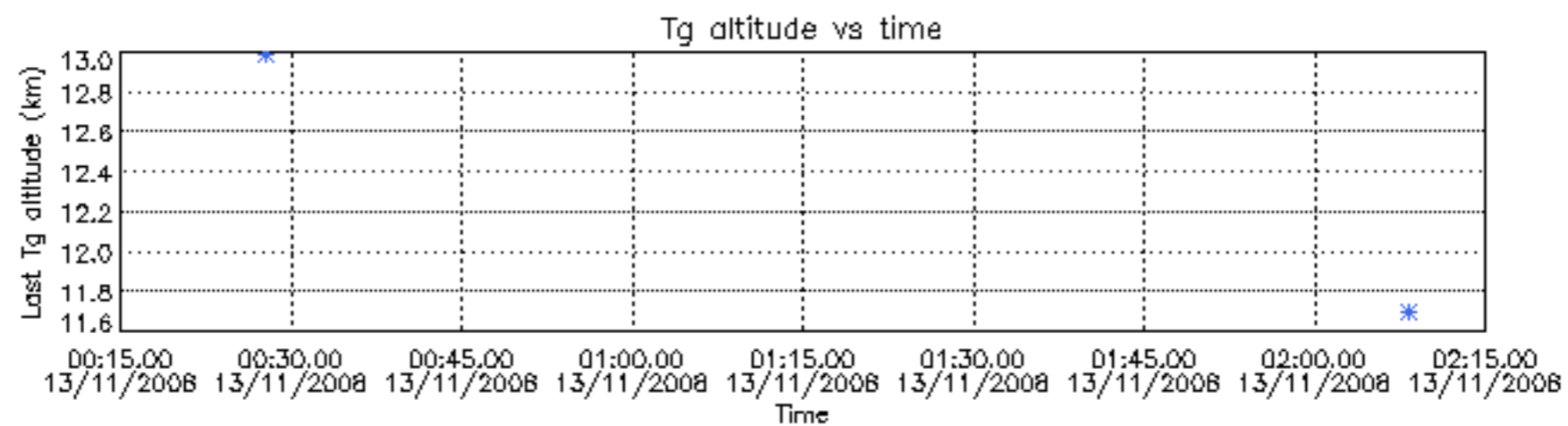
Tangent altitude at which the star is lost

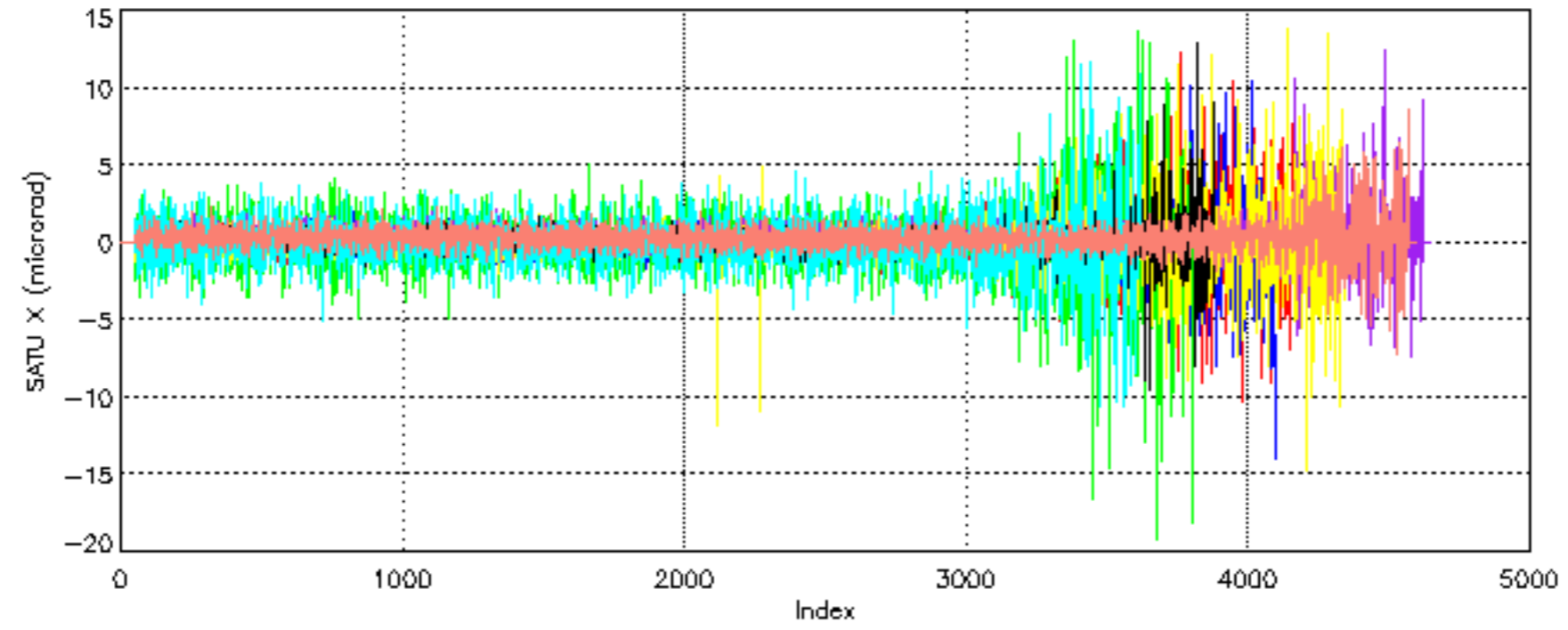


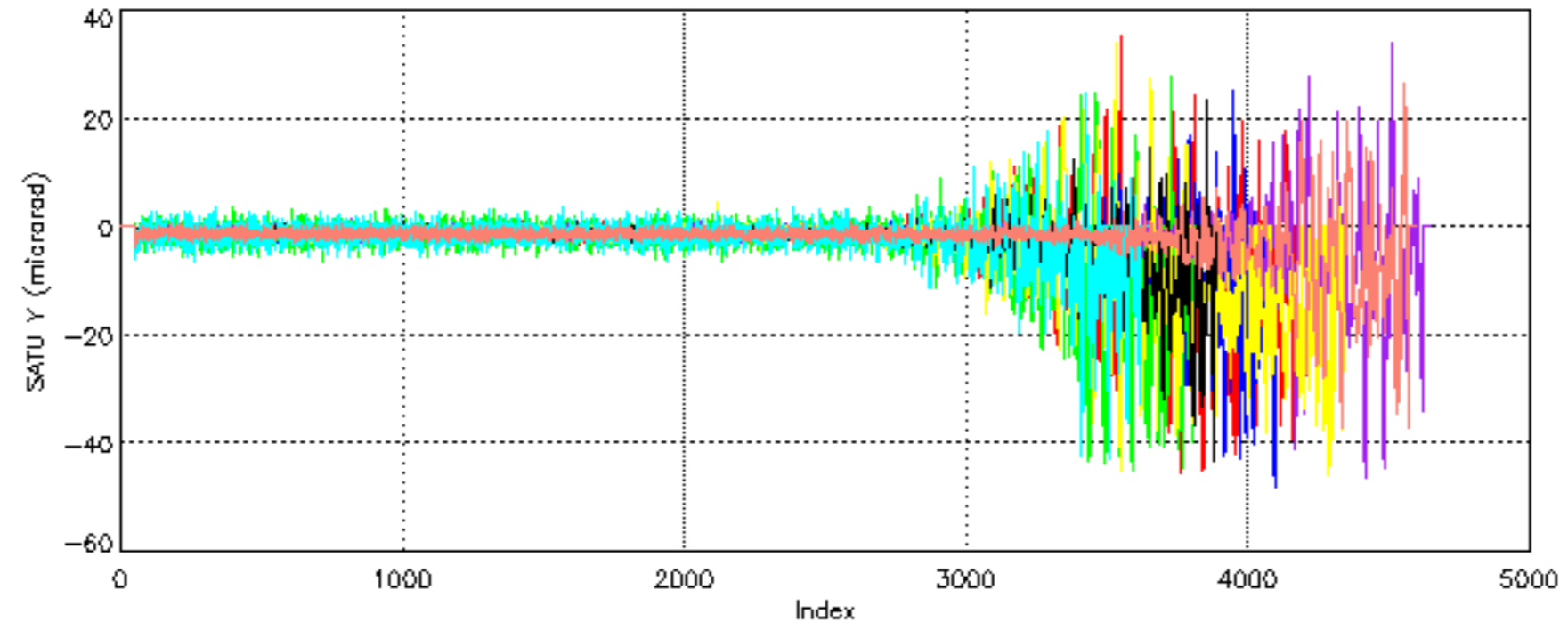
Tangent altitude at which the star is lost

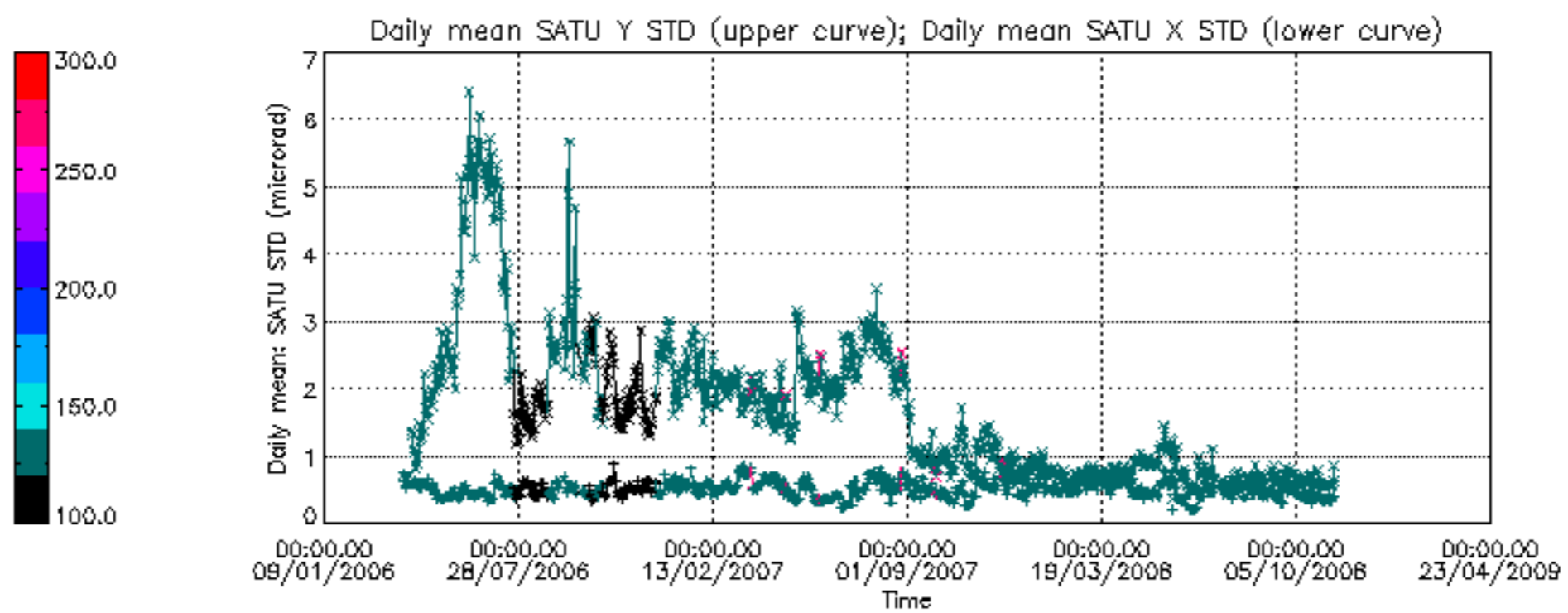


Tangent altitude at which the star is lost









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 3; 2514.1; 01-NOV-2008 21:03:39; Bright; 37.5; 53; 43Bet And ; 2.05; 3300;occ; 75; 0;34895
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4; 2870.9; 05-NOV-2008 14:01:19; Bright; 36.0; 68; 18Alp Cas ; 2.22; 4500;occ; 72; 0;34948

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8; 145.7; 09-NOV-2008 02:46:26; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;34999
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6; 3422.8; 09-NOV-2008 13:44:39; Bright; 36.5; 49; 1Alp UMi ; 1.99; 6300;occ; 73; 0;35005
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9; 4228.0; 09-NOV-2008 13:58:04; Bright; 41.5; 174; 52Psi UMA ; 3.00; 4400;occ; 83; 0;35005
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13; 5924.0; 09-NOV-2008 14:26:20; Dark ; 41.0; 113; Mu Vel ; 2.69; 5000;occ; 82; 0;35005
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13; 5924.6; 09-NOV-2008 16:06:56; Dark ; 39.0; 113; Mu Vel ; 2.69; 5000;occ; 78; 0;35006
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4; 2511.3; 09-NOV-2008 16:50:39; Bright; 36.0; 173; 4Bet Tri ; 3.00; 8900;occ; 72; 0;35007
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 8; 2262.2; 10-NOV-2008 01:09:30; Bright; 36.5; 105; 6Bet Ari ; 2.64; 8900;occ; 73; 0;35012
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6; 632.7; 10-NOV-2008 22:30:07; Dark ; 60.0; 2; Alp Car ;-0.74; 7000;occ; 120; 0;35025
7; 1184.7; 10-NOV-2008 22:39:19; Dark ; 39.5; 157; The1Eri ; 2.91; 9300;occ; 79; 0;35025
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9; 2262.2; 10-NOV-2008 22:57:17; Bright; 37.5; 105; 6Bet Ari ; 2.64; 8900;occ; 75; 0;35025
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13; 2941.6; 10-NOV-2008 23:08:36; Bright; 42.0; 76; 27Gam Cas ; 2.30; 30000;occ; 84; 0;35025
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16; 3893.5; 10-NOV-2008 23:24:28; Bright; 38.5; 36; 50Alp UMA ; 1.80; 6300;occ; 77; 0;35025
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 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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 16; 3893.4; 11-NOV-2008 01:05:04; Bright; 40.0; 36; 50Alp UMa ; 1.80; 6300;occ; 80; 0;35026
 17; 3991.5; 11-NOV-2008 01:06:42; Bright; 59.0; 82; 48Bet UMa ; 2.37; 10600;occ; 118; 0;35026
 18; 4226.9; 11-NOV-2008 01:10:37; Bright; 41.5; 174; 52Psi UMa ; 3.00; 4400;occ; 83; 0;35026
 19; 4321.8; 11-NOV-2008 01:12:12; Bright; 34.5; 152; 12Alp2CVn ; 2.89; 11000;occ; 69; 0;35026
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 3; -2042.8; 10-NOV-2008 06:40:08; Bright; 40.0; 82; 48Bet UMa ; 2.37; 10600;occ; 80; 0;35015
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 5; -1715.4; 10-NOV-2008 06:45:36; Bright; 34.5; 152; 12Alp2CVn ; 2.89; 11000;occ; 69; 0;35015
 6; -1251.3; 10-NOV-2008 06:53:20; Bright; 37.5; 62; 94Bet Leo ; 2.14; 9700;occ; 75; 0;35015
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 9; 159.5; 10-NOV-2008 07:16:51; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;35016
 10; 257.3; 10-NOV-2008 07:18:28; Dark ; 37.0; 29; Bet Car ; 1.67; 10200;occ; 74; 0;35016
 11; 626.3; 10-NOV-2008 07:24:37; Dark ; 50.5; 2; Alp Car ;-0.74; 7000;occ; 101; 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
 8; 3895.1; 10-NOV-2008 08:19:06; Bright; 40.0; 36; 50Alp UMa ; 1.80; 6300;occ; 80; 0;35016
 9; 3993.1; 10-NOV-2008 08:20:44; Bright; 40.5; 82; 48Bet UMa ; 2.37; 10600;occ; 81; 0;35016
 10; 4227.5; 10-NOV-2008 08:24:39; Bright; 42.0; 174; 52Psi UMa ; 3.00; 4400;occ; 84; 0;35016
 11; 4320.6; 10-NOV-2008 08:26:12; Bright; 33.5; 152; 12Alp2CVn ; 2.89; 11000;occ; 67; 0;35016
 12; 4784.9; 10-NOV-2008 08:33:56; Bright; 36.5; 62; 94Bet Leo ; 2.14; 9700;occ; 73; 0;35016
 13; 5385.9; 10-NOV-2008 08:43:57; Dark ; 42.0; 171; 2Eps Crv ; 3.00; 4250;occ; 84; 0;35016
 14; 5930.0; 10-NOV-2008 08:53:01; Dark ; 40.0; 113; Mu Vel ; 2.69; 5000;occ; 80; 0;35016
 15; 6196.2; 10-NOV-2008 08:57:27; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;35016
 16; 6293.6; 10-NOV-2008 08:59:05; Dark ; 39.0; 29; Bet Car ; 1.67; 10200;occ; 78; 0;35016
 17; 6662.9; 10-NOV-2008 09:05:14; Dark ; 46.5; 2; Alp Car ;-0.74; 7000;occ; 93; 0;35016
 18; 7218.9; 10-NOV-2008 09:14:30; Dark ; 38.5; 157; The1Eri ; 2.91; 9300;occ; 77; 0;35016

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 3; 2510.0; 10-NOV-2008 09:36:37; Bright; 35.0; 173; 4Bet Tri ; 3.00; 8900;occ; 70; 0;35017
 4; 2633.9; 10-NOV-2008 09:38:41; Bright; 36.5; 73; 57Gam1And ; 2.26; 13100;occ; 73; 0;35017
 5; 2877.9; 10-NOV-2008 09:42:45; Bright; 35.0; 68; 18Alp Cas ; 2.22; 4500;occ; 70; 0;35017
 6; 3422.8; 10-NOV-2008 09:51:50; Bright; 34.5; 49; 1Alp UMi ; 1.99; 6300;occ; 69; 0;35017
 7; 3675.1; 10-NOV-2008 09:56:02; Bright; 36.0; 60; 7Bet UMi ; 2.08; 3950;occ; 72; 0;35017
 8; 3894.9; 10-NOV-2008 09:59:42; Bright; 37.5; 36; 50Alp UMa ; 1.80; 6300;occ; 75; 0;35017
 9; 3993.0; 10-NOV-2008 10:01:20; Bright; 38.0; 82; 48Bet UMa ; 2.37; 10600;occ; 76; 0;35017
 10; 4227.4; 10-NOV-2008 10:05:15; Bright; 46.0; 174; 52Psi UMa ; 3.00; 4400;occ; 92; 0;35017
 11; 4320.7; 10-NOV-2008 10:06:48; Bright; 33.5; 152; 12Alp2CVn ; 2.89; 11000;occ; 67; 0;35017
 12; 4785.2; 10-NOV-2008 10:14:32; Bright; 40.0; 62; 94Bet Leo ; 2.14; 9700;occ; 80; 0;35017
 13; 5386.2; 10-NOV-2008 10:24:33; Dark ; 42.0; 171; 2Eps Crv ; 3.00; 4250;occ; 84; 0;35017
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17; 6663.5; 10-NOV-2008 10:45:51; Dark ; 47.5; 2; Alp Car ; -0.74; 7000;occ; 95; 0;35017
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9; 3992.8; 10-NOV-2008 11:41:56; Bright; 41.5; 82; 48Bet UMa ; 2.37; 10600;occ; 83; 0;35018
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3; 2509.8; 10-NOV-2008 12:57:49; Bright; 35.5; 173; 4Bet Tri ; 3.00; 8900;occ; 71; 0;35019
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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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17; 6666.5; 10-NOV-2008 17:28:17; Dark ; 52.0; 2; Alp Car ; -0.74; 7000;occ; 104; 0;35021

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2; 1981.4; 10-NOV-2008 17:50:48; Dark ; 48.5; 94; 92Alp Cet ; 2.53; 3100;occ; 97; 0;35022
3; 2262.3; 10-NOV-2008 17:55:29; Bright; 37.0; 105; 6Bet Ari ; 2.64; 8900;occ; 74; 0;35022
4; 2509.4; 10-NOV-2008 17:59:36; Bright; 36.5; 173; 4Bet Tri ; 3.00; 8900;occ; 73; 0;35022
5; 2633.3; 10-NOV-2008 18:01:40; Bright; 37.0; 73; 57Gam1And ; 2.26; 13100;occ; 74; 0;35022
6; 2843.3; 10-NOV-2008 18:05:10; Bright; 41.0; 35; 33Alp Per ; 1.79; 6250;occ; 82; 0;35022
7; 2941.5; 10-NOV-2008 18:06:48; Bright; 35.5; 76; 27Gam Cas ; 2.30; 30000;occ; 71; 0;35022
8; 3422.7; 10-NOV-2008 18:14:49; Bright; 36.5; 49; 1Alp UMi ; 1.99; 6300;occ; 73; 0;35022
9; 3675.7; 10-NOV-2008 18:19:02; Bright; 37.0; 60; 7Bet UMi ; 2.08; 3950;occ; 74; 0;35022
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
14; 4787.0; 10-NOV-2008 20:18:10; Bright; 37.5; 62; 94Bet Leo ; 2.14; 9700;occ; 75; 0;35023
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
20; 6667.9; 10-NOV-2008 20:49:31; Dark ; 53.5; 2; Alp Car ; -0.74; 7000;occ; 107; 0;35023

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2; -646.3; 11-NOV-2008 01:30:00; Dark ; 41.0; 171; 2Eps Crv ; 3.00; 4250;occ; 82; 0;35026
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
12; 2841.0; 11-NOV-2008 02:28:07; Bright; 40.5; 35; 33Alp Per ; 1.79; 6250;occ; 81; 0;35027
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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2; -2044.7; 11-NOV-2008 02:47:17; Bright; 40.0; 82; 48Bet UMA ; 2.37; 10600;occ; 80; 0;35027
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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2; -2142.9; 11-NOV-2008 04:26:15; Bright; 40.5; 36; 50Alp UMA ; 1.80; 6300;occ; 81; 0;35028
3; -2044.8; 11-NOV-2008 04:27:53; Bright; 41.5; 82; 48Bet UMA ; 2.37; 10600;occ; 83; 0;35028
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
6; -1247.1; 11-NOV-2008 04:41:11; Bright; 38.5; 62; 94Bet Leo ; 2.14; 9700;occ; 77; 0;35028
7; -735.3; 11-NOV-2008 04:49:43; Dark ; 39.5; 100; 4Gam Crv ; 2.58; 13100;occ; 79; 0;35028
8; -645.5; 11-NOV-2008 04:51:13; Dark ; 44.0; 171; 2Eps Crv ; 3.00; 4250;occ; 88; 0;35028
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
21; 3676.7; 11-NOV-2008 06:03:15; Bright; 37.5; 60; 7Bet UMi ; 2.08; 3950;occ; 75; 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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2; -641.3; 11-NOV-2008 21:37:16; Dark ; 42.5; 171; 2Eps Crv ; 3.00; 4250;occ; 85; 0;35038
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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 11; 2631.6; 11-NOV-2008 22:31:49; Bright; 37.5; 73; 57Gam1And ; 2.26; 13100;occ; 75; 0;35039
 12; 2835.8; 11-NOV-2008 22:35:13; Bright; 38.0; 35; 33Alp Per ; 1.79; 6250;occ; 76; 0;35039
 13; 2930.1; 11-NOV-2008 22:36:48; Bright; 40.0; 110; 37Del Cas ; 2.68; 8900;occ; 80; 0;35039
 14; 3422.7; 11-NOV-2008 22:45:00; Bright; 36.0; 49; 1Alp UMi ; 1.99; 6300;occ; 72; 0;35039
 15; 3677.9; 11-NOV-2008 22:49:15; Bright; 36.0; 60; 7Bet UMi ; 2.08; 3950;occ; 72; 0;35039
 16; 3891.1; 11-NOV-2008 22:52:49; Bright; 40.0; 36; 50Alp UMA ; 1.80; 6300;occ; 80; 0;35039
 17; 3989.3; 11-NOV-2008 22:54:27; Bright; 40.5; 82; 48Bet UMA ; 2.37; 10600;occ; 81; 0;35039
 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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 2; -640.9; 11-NOV-2008 23:17:52; Dark ; 43.5; 171; 2Eps Crv ; 3.00; 4250;occ; 87; 0;35039
 3; -93.4; 11-NOV-2008 23:27:00; Dark ; 39.5; 113; Mu Vel ; 2.69; 5000;occ; 79; 0;35039
 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
 10; 2507.6; 12-NOV-2008 00:10:21; Bright; 35.5; 173; 4Bet Tri ; 3.00; 8900;occ; 71; 0;35040
 11; 2631.4; 12-NOV-2008 00:12:25; Bright; 36.5; 73; 57Gam1And ; 2.26; 13100;occ; 73; 0;35040
 12; 2835.4; 12-NOV-2008 00:15:49; Bright; 39.0; 35; 33Alp Per ; 1.79; 6250;occ; 78; 0;35040
 13; 2930.0; 12-NOV-2008 00:17:23; Bright; 34.0; 110; 37Del Cas ; 2.68; 8900;occ; 68; 0;35040
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 15; 3678.1; 12-NOV-2008 00:29:51; Bright; 34.0; 60; 7Bet UMi ; 2.08; 3950;occ; 68; 0;35040
 16; 3891.0; 12-NOV-2008 00:33:24; Bright; 39.0; 36; 50Alp UMA ; 1.80; 6300;occ; 78; 0;35040
 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
 19; 4792.8; 12-NOV-2008 00:48:26; Bright; 59.0; 62; 94Bet Leo ; 2.14; 9700;occ; 118; 0;35040
 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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 4; -1809.0; 11-NOV-2008 06:12:25; Bright; 45.0; 174; 52Psi UMA ; 3.00; 4400;occ; 90; 0;35029
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 9; 3884.5; 14-NOV-2008 11:14:15; Bright; 36.5; 36; 50Alp UMa ; 1.80; 6300;occ; 73; 0;35075
 10; 3982.9; 14-NOV-2008 11:15:53; Bright; 39.0; 82; 48Bet UMa ; 2.37; 10600;occ; 78; 0;35075
 11; 4118.6; 14-NOV-2008 11:18:09; Bright; 34.0; 39; 85Eta UMa ; 1.85; 24000;occ; 68; 0;35075
 12; 4327.7; 14-NOV-2008 11:21:38; Bright; 35.0; 152; 12Alp2CVn ; 2.89; 11000;occ; 70; 0;35075
 13; 4805.2; 14-NOV-2008 11:29:36; Bright; 44.5; 62; 94Bet Leo ; 2.14; 9700;occ; 89; 0;35075
 14; 5018.9; 14-NOV-2008 11:33:10; Bright; 33.5; 121; 29Gam Vir ; 2.74; 7200;occ; 67; 0;35075
 15; 5319.6; 14-NOV-2008 11:38:10; Dark ; 39.5; 100; 4Gam Crv ; 2.58; 13100;occ; 79; 0;35075
 16; 5410.4; 14-NOV-2008 11:39:41; Dark ; 41.5; 171; 2Eps Crv ; 3.00; 4250;occ; 83; 0;35075
 17; 5963.2; 14-NOV-2008 11:48:54; Dark ; 40.5; 113; Mu Vel ; 2.69; 5000;occ; 81; 0;35075
 18; 6143.7; 14-NOV-2008 11:51:54; Dark ; 38.5; 124; The Car ; 2.76; 30000;occ; 77; 0;35075
 19; 6245.0; 14-NOV-2008 11:53:36; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;35075
 20; 6422.4; 14-NOV-2008 11:56:33; Dark ; 35.0; 34; Gam2Vel ; 1.79; 23000;occ; 70; 0;35075
 21; 6703.7; 14-NOV-2008 12:01:14; Dark ; 50.5; 2; Alp Car ; -0.74; 7000;occ; 101; 0;35075
 22; 7233.5; 14-NOV-2008 12:10:04; Dark ; 37.5; 157; The1Eri ; 2.91; 9300;occ; 75; 0;35075

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 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
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 6; 2930.8; 14-NOV-2008 12:38:57; Bright; 35.0; 110; 37Del Cas ; 2.68; 8900;occ; 70; 0;35076
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 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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 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
 5; 2820.1; 14-NOV-2008 15:58:18; Bright; 40.5; 35; 33Alp Per ; 1.79; 6250;occ; 81; 0;35078
 6; 2931.0; 14-NOV-2008 16:00:09; Bright; 35.5; 110; 37Del Cas ; 2.68; 8900;occ; 71; 0;35078
 7; 3422.6; 14-NOV-2008 16:08:21; Bright; 36.0; 49; 1Alp UMi ; 1.99; 6300;occ; 72; 0;35078
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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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 2; 600.3; 14-NOV-2008 18:42:31; Dark ; 101.5; 132; 15Rho Pup ; 2.80; 6900;occ; 203; 0;35080
 3; 788.8; 14-NOV-2008 18:45:39; Dark ; 81.0; 88; 31Eta CMa ; 2.45; 20000;occ; 162; 0;35080
 4; 927.0; 14-NOV-2008 18:47:57; Dark ; 80.5; 23; 21Eps CMa ; 1.50; 26000;occ; 161; 0;35080

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

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

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

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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
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 2; -905.3; 15-NOV-2008 06:01:36; Dark ; 92.0; 22; 32Alp Leo ; 1.36; 15200;occ; 184; 0;35086
 3; -113.0; 15-NOV-2008 06:14:49; Dark ; 114.5; 48; 30Alp Hya ; 1.98; 4100;occ; 229; 0;35086
 4; 436.3; 15-NOV-2008 06:23:58; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;35087
 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
10; 1795.6; 15-NOV-2008 06:46:37; Dark ; 84.0; 7; 19Bet Ori ; 0.10; 14000;occ; 168; 0;35087
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
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 6; 1913.3; 15-NOV-2008 20:13:22; Dark ; 80.0; 125; 44Iot Ori ; 2.77; 30000;occ; 160; 0;35095
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 9; 3028.8; 15-NOV-2008 20:31:58; Bright; 56.0; 6; 13Alp Aur ; 0.08; 3400;occ; 112; 0;35095
10; 3208.7; 15-NOV-2008 20:34:58; Bright; 64.5; 42; 34Bet Aur ; 1.90; 10200;occ; 129; 0;35095
11; 4742.0; 15-NOV-2008 21:00:31; Bright; 47.0; 96; 68Del Leo ; 2.56; 9300;occ; 94; 0;35095
12; 4850.8; 15-NOV-2008 21:02:20; Dark ; 100.0; 166; 17Eps Leo ; 2.98; 6000;occ; 200; 0;35095
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 4; 703.3; 15-NOV-2008 21:33:48; Dark ; 65.5; 117; Pi Pup ; 2.71; 3800;occ; 131; 0;35096
 5; 812.9; 15-NOV-2008 21:35:38; Dark ; 80.5; 88; 31Eta CMa ; 2.45; 20000;occ; 161; 0;35096
 6; 946.9; 15-NOV-2008 21:37:52; Dark ; 83.5; 23; 21Eps CMa ; 1.50; 26000;occ; 167; 0;35096
 7; 1083.4; 15-NOV-2008 21:40:08; Dark ; 52.5; 108; Alp Col ; 2.65; 15200;occ; 105; 0;35096
 8; 1455.4; 15-NOV-2008 21:46:20; Dark ; 58.0; 47; 2Bet CMa ; 1.98; 28000;occ; 116; 0;35096
 9; 1792.2; 15-NOV-2008 21:51:57; Dark ; 83.5; 7; 19Bet Ori ; 0.10; 14000;occ; 167; 0;35096
10; 1912.3; 15-NOV-2008 21:53:57; Dark ; 86.0; 125; 44Iot Ori ; 2.77; 30000;occ; 172; 0;35096
11; 2354.7; 15-NOV-2008 22:01:20; Bright; 62.0; 13; 87Alp Tau ; 0.87; 3800;occ; 124; 0;35096
12; 2768.6; 15-NOV-2008 22:08:14; Bright; 56.5; 114; 3Iot Aur ; 2.69; 4600;occ; 113; 0;35096
13; 3027.5; 15-NOV-2008 22:12:33; Bright; 55.0; 6; 13Alp Aur ; 0.08; 3400;occ; 110; 0;35096

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 3; 704.6; 15-NOV-2008 23:14:25; Dark ; 69.0; 117; Pi Pup ; 2.71; 3800;occ; 138; 0;35097
 4; 814.3; 15-NOV-2008 23:16:15; Dark ; 82.0; 88; 31Eta CMa ; 2.45; 20000;occ; 164; 0;35097
 5; 948.2; 15-NOV-2008 23:18:29; Dark ; 75.0; 23; 21Eps CMa ; 1.50; 26000;occ; 150; 0;35097
 6; 1083.8; 15-NOV-2008 23:20:45; Dark ; 54.0; 108; Alp Col ; 2.65; 15200;occ; 108; 0;35097
 7; 1455.7; 15-NOV-2008 23:26:57; Dark ; 58.0; 47; 2Bet CMa ; 1.98; 28000;occ; 116; 0;35097
 8; 1791.9; 15-NOV-2008 23:32:33; Dark ; 83.0; 7; 19Bet Ori ; 0.10; 14000;occ; 166; 0;35097
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10; 2353.8; 15-NOV-2008 23:41:55; Bright; 62.0; 13; 87Alp Tau ; 0.87; 3800;occ; 124; 0;35097
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13; 3205.9; 15-NOV-2008 23:56:07; Bright; 59.0; 42; 34Bet Aur ; 1.90; 10200;occ; 118; 0;35097
14; 4742.8; 16-NOV-2008 00:21:44; Bright; 48.0; 96; 68Del Leo ; 2.56; 9300;occ; 96; 0;35097
15; 4852.8; 16-NOV-2008 00:23:34; Dark ; 104.0; 166; 17Eps Leo ; 2.98; 6000;occ; 208; 0;35097
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 4; 438.3; 15-NOV-2008 08:04:36; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;35088
 5; 694.0; 15-NOV-2008 08:08:52; Dark ; 61.5; 117; Pi Pup ; 2.71; 3800;occ; 123; 0;35088
 6; 800.8; 15-NOV-2008 08:10:38; Dark ; 79.0; 88; 31Eta CMa ; 2.45; 20000;occ; 158; 0;35088
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 8; 1078.3; 15-NOV-2008 08:15:16; Dark ; 53.0; 108; Alp Col ; 2.65; 15200;occ; 106; 0;35088
 9; 1452.8; 15-NOV-2008 08:21:30; Dark ; 41.5; 47; 2Bet CMa ; 1.98; 28000;occ; 83; 0;35088
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 3; 2361.9; 15-NOV-2008 08:36:40; Bright; 61.0; 13; 87Alp Tau ; 0.87; 3800;occ; 122; 0;35088
 4; 2557.5; 15-NOV-2008 08:39:55; Bright; 44.0; 150; 44Zet Per ; 2.89; 28000;occ; 88; 0;35088
 5; 2778.4; 15-NOV-2008 08:43:36; Bright; 60.5; 114; 3Iot Aur ; 2.69; 4600;occ; 121; 0;35088
 6; 3036.2; 15-NOV-2008 08:47:54; Bright; 56.0; 6; 13Alp Aur ; 0.08; 3400;occ; 112; 0;35088
 7; 3218.6; 15-NOV-2008 08:50:56; Bright; 60.0; 42; 34Bet Aur ; 1.90; 10200;occ; 120; 0;35088
 8; 4739.4; 15-NOV-2008 09:16:17; Bright; 45.0; 96; 68Del Leo ; 2.56; 9300;occ; 90; 0;35088
 9; 4843.6; 15-NOV-2008 09:18:01; Dark ; 93.0; 166; 17Eps Leo ; 2.98; 6000;occ; 186; 0;35088
10; 5133.4; 15-NOV-2008 09:22:51; Dark ; 86.5; 22; 32Alp Leo ; 1.36; 15200;occ; 173; 0;35088
11; 5928.9; 15-NOV-2008 09:36:06; Dark ; 110.5; 48; 30Alp Hya ; 1.98; 4100;occ; 221; 0;35088
12; 6476.2; 15-NOV-2008 09:45:14; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;35088
13; 6731.0; 15-NOV-2008 09:49:29; Dark ; 63.0; 117; Pi Pup ; 2.71; 3800;occ; 126; 0;35088
14; 6838.4; 15-NOV-2008 09:51:16; Dark ; 79.0; 88; 31Eta CMa ; 2.45; 20000;occ; 158; 0;35088
15; 6974.3; 15-NOV-2008 09:53:32; Dark ; 80.5; 23; 21Eps CMa ; 1.50; 26000;occ; 161; 0;35088
16; 7115.0; 15-NOV-2008 09:55:53; Dark ; 50.5; 108; Alp Col ; 2.65; 15200;occ; 101; 0;35088
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 3; 2361.0; 15-NOV-2008 10:17:14; Bright; 61.5; 13; 87Alp Tau ; 0.87; 3800;occ; 123; 0;35089
 4; 2558.6; 15-NOV-2008 10:20:32; Bright; 42.0; 150; 44Zet Per ; 2.89; 28000;occ; 84; 0;35089
 5; 2777.3; 15-NOV-2008 10:24:11; Bright; 58.5; 114; 3Iot Aur ; 2.69; 4600;occ; 117; 0;35089
 6; 3035.1; 15-NOV-2008 10:28:29; Bright; 56.5; 6; 13Alp Aur ; 0.08; 3400;occ; 113; 0;35089
 7; 3217.1; 15-NOV-2008 10:31:31; Bright; 60.0; 42; 34Bet Aur ; 1.90; 10200;occ; 120; 0;35089
 8; 4739.7; 15-NOV-2008 10:56:53; Bright; 53.0; 96; 68Del Leo ; 2.56; 9300;occ; 106; 0;35089
 9; 4844.6; 15-NOV-2008 10:58:38; Dark ; 94.5; 166; 17Eps Leo ; 2.98; 6000;occ; 189; 0;35089
10; 5134.8; 15-NOV-2008 11:03:28; Dark ; 87.5; 22; 32Alp Leo ; 1.36; 15200;occ; 175; 0;35089
11; 5932.0; 15-NOV-2008 11:16:45; Dark ; 115.0; 48; 30Alp Hya ; 1.98; 4100;occ; 230; 0;35089
12; 6478.2; 15-NOV-2008 11:25:52; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;35089
13; 6732.2; 15-NOV-2008 11:30:06; Dark ; 60.5; 117; Pi Pup ; 2.71; 3800;occ; 121; 0;35089
14; 6839.8; 15-NOV-2008 11:31:53; Dark ; 75.0; 88; 31Eta CMa ; 2.45; 20000;occ; 150; 0;35089
15; 6975.6; 15-NOV-2008 11:34:09; Dark ; 78.5; 23; 21Eps CMa ; 1.50; 26000;occ; 157; 0;35089
16; 7115.6; 15-NOV-2008 11:36:29; Dark ; 51.0; 108; Alp Col ; 2.65; 15200;occ; 102; 0;35089
17; 7489.5; 15-NOV-2008 11:42:43; Dark ; 45.5; 47; 2Bet CMa ; 1.98; 28000;occ; 91; 0;35089
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 4; 2360.1; 15-NOV-2008 11:57:49; Bright; 60.5; 13; 87Alp Tau ; 0.87; 3800;occ; 121; 0;35090
 5; 2776.0; 15-NOV-2008 12:04:45; Bright; 58.5; 114; 3Iot Aur ; 2.69; 4600;occ; 117; 0;35090
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 7; 4740.1; 15-NOV-2008 12:37:29; Bright; 53.0; 96; 68Del Leo ; 2.56; 9300;occ; 106; 0;35090
 8; 4845.5; 15-NOV-2008 12:39:15; Dark ; 100.0; 166; 17Eps Leo ; 2.98; 6000;occ; 200; 0;35090
 9; 5136.3; 15-NOV-2008 12:44:06; Dark ; 89.5; 22; 32Alp Leo ; 1.36; 15200;occ; 179; 0;35090
 10; 5935.1; 15-NOV-2008 12:57:24; Dark ; 114.5; 48; 30Alp Hya ; 1.98; 4100;occ; 229; 0;35090
 11; 6480.2; 15-NOV-2008 13:06:30; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;35090
 12; 6733.3; 15-NOV-2008 13:10:43; Dark ; 65.5; 117; Pi Pup ; 2.71; 3800;occ; 131; 0;35090
 13; 6841.5; 15-NOV-2008 13:12:31; Dark ; 78.0; 88; 31Eta CMA ; 2.45; 20000;occ; 156; 0;35090
 14; 6976.9; 15-NOV-2008 13:14:46; Dark ; 80.0; 23; 21Eps CMA ; 1.50; 26000;occ; 160; 0;35090
 15; 7116.1; 15-NOV-2008 13:17:05; Dark ; 52.0; 108; Alp Col ; 2.65; 15200;occ; 104; 0;35090
 16; 7489.7; 15-NOV-2008 13:23:19; Dark ; 45.5; 47; 2Bet CMA ; 1.98; 28000;occ; 91; 0;35090

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 3; 1916.7; 15-NOV-2008 13:31:02; Dark ; 67.0; 125; 44Iot Ori ; 2.77; 30000;occ; 134; 0;35091
 4; 2359.2; 15-NOV-2008 13:38:24; Bright; 61.5; 13; 87Alp Tau ; 0.87; 3800;occ; 123; 0;35091
 5; 2774.9; 15-NOV-2008 13:45:20; Bright; 58.5; 114; 3Iot Aur ; 2.69; 4600;occ; 117; 0;35091
 6; 3033.0; 15-NOV-2008 13:49:38; Bright; 65.0; 6; 13Alp Aur ; 0.08; 3400;occ; 130; 0;35091
 7; 3214.4; 15-NOV-2008 13:52:40; Bright; 60.5; 42; 34Bet Aur ; 1.90; 10200;occ; 121; 0;35091
 8; 4740.4; 15-NOV-2008 14:18:06; Bright; 47.5; 96; 68Del Leo ; 2.56; 9300;occ; 95; 0;35091
 9; 4846.6; 15-NOV-2008 14:19:52; Dark ; 98.5; 166; 17Eps Leo ; 2.98; 6000;occ; 197; 0;35091
 10; 5137.7; 15-NOV-2008 14:24:43; Dark ; 91.0; 22; 32Alp Leo ; 1.36; 15200;occ; 182; 0;35091
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 13; 6734.7; 15-NOV-2008 14:51:20; Dark ; 77.0; 117; Pi Pup ; 2.71; 3800;occ; 154; 0;35091
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 15; 6978.0; 15-NOV-2008 14:55:23; Dark ; 80.0; 23; 21Eps CMA ; 1.50; 26000;occ; 160; 0;35091
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 5; 2773.6; 15-NOV-2008 15:25:55; Bright; 59.5; 114; 3Iot Aur ; 2.69; 4600;occ; 119; 0;35092
 6; 3032.1; 15-NOV-2008 15:30:13; Bright; 57.5; 6; 13Alp Aur ; 0.08; 3400;occ; 115; 0;35092
 7; 3213.2; 15-NOV-2008 15:33:14; Bright; 62.0; 42; 34Bet Aur ; 1.90; 10200;occ; 124; 0;35092
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 9; 4847.8; 15-NOV-2008 16:00:29; Dark ; 96.5; 166; 17Eps Leo ; 2.98; 6000;occ; 193; 0;35092
 10; 5139.2; 15-NOV-2008 16:05:20; Dark ; 93.0; 22; 32Alp Leo ; 1.36; 15200;occ; 186; 0;35092
 11; 5941.5; 15-NOV-2008 16:18:43; Dark ; 119.5; 48; 30Alp Hya ; 1.98; 4100;occ; 239; 0;35092
 12; 6484.4; 15-NOV-2008 16:27:46; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;35092
 13; 6736.0; 15-NOV-2008 16:31:57; Dark ; 65.0; 117; Pi Pup ; 2.71; 3800;occ; 130; 0;35092
 14; 6844.6; 15-NOV-2008 16:33:46; Dark ; 75.0; 88; 31Eta CMA ; 2.45; 20000;occ; 150; 0;35092
 15; 6979.4; 15-NOV-2008 16:36:01; Dark ; 85.5; 23; 21Eps CMA ; 1.50; 26000;occ; 171; 0;35092
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 6; 3030.9; 15-NOV-2008 17:10:48; Bright; 57.5; 6; 13Alp Aur ; 0.08; 3400;occ; 115; 0;35093
 7; 3211.9; 15-NOV-2008 17:13:49; Bright; 63.0; 42; 34Bet Aur ; 1.90; 10200;occ; 126; 0;35093
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 11; 5944.6; 15-NOV-2008 17:59:22; Dark ; 124.0; 48; 30Alp Hya ; 1.98; 4100;occ; 248; 0;35093
 12; 6486.4; 15-NOV-2008 18:08:24; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;35093
 13; 6737.1; 15-NOV-2008 18:12:34; Dark ; 68.5; 117; Pi Pup ; 2.71; 3800;occ; 137; 0;35093
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9; 1086.0; 16-NOV-2008 04:22:35; Dark ; 52.0; 108; Alp Col ; 2.65; 15200;occ; 104; 0;35100
10; 1456.7; 16-NOV-2008 04:28:45; Dark ; 66.0; 47; 2Bet CMA ; 1.98; 28000;occ; 132; 0;35100
11; 1791.0; 16-NOV-2008 04:34:20; Dark ; 84.5; 7; 19Bet Ori ; 0.10; 14000;occ; 169; 0;35100
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7; 3083.7; 22-NOV-2008 15:10:58; Bright; 57.0; 42; 34Bet Aur ; 1.90; 10200;occ; 114; 0;35192
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9; 4208.5; 23-NOV-2008 16:38:42; Bright; 48.5; 174; 52Psi UMa ; 3.00; 4400;occ; 97; 0;35207
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16; 3040.7; 25-NOV-2008 05:12:25; Bright; 54.0; 42; 34Bet Aur ; 1.90; 10200;occ; 108; 0;35229
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 2; -1228.5; 25-NOV-2008 05:41:52; Bright; 61.5; 96; 68Del Leo ; 2.56; 9300;occ; 123; 0;35229
 3; -1013.8; 25-NOV-2008 05:45:26; Dark ; 64.0; 51; 41Gam1Leo ; 2.01; 4500;occ; 128; 0;35229
 4; 126.4; 25-NOV-2008 06:04:26; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;35230
 5; 625.1; 25-NOV-2008 06:12:45; Dark ; 53.0; 70; Zet Pup ; 2.25; 39000;occ; 106; 0;35230
 6; 847.9; 25-NOV-2008 06:16:28; Dark ; 63.0; 117; Pi Pup ; 2.71; 3800;occ; 126; 0;35230
 7; 1085.8; 25-NOV-2008 06:20:26; Dark ; 71.0; 23; 21Eps CMa ; 1.50; 26000;occ; 142; 0;35230
 8; 1221.8; 25-NOV-2008 06:22:42; Dark ; 83.0; 179; 240mi2CMa ; 3.03; 24000;occ; 166; 0;35230
 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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 4; 129.0; 25-NOV-2008 07:45:05; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;35231
 5; 626.1; 25-NOV-2008 07:53:22; Dark ; 57.0; 70; Zet Pup ; 2.25; 39000;occ; 114; 0;35231
 6; 848.9; 25-NOV-2008 07:57:05; Dark ; 59.5; 117; Pi Pup ; 2.71; 3800;occ; 119; 0;35231
 7; 1086.7; 25-NOV-2008 08:01:03; Dark ; 68.5; 23; 21Eps CMa ; 1.50; 26000;occ; 137; 0;35231
 8; 1222.4; 25-NOV-2008 08:03:18; Dark ; 81.0; 179; 240mi2CMa ; 3.03; 24000;occ; 162; 0;35231
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 3; 2147.4; 25-NOV-2008 08:18:43; Dark ; 67.0; 27; 24Gam Ori ; 1.64; 26000;occ; 134; 0;35231
 4; 2264.9; 25-NOV-2008 08:20:41; Bright; 53.5; 13; 87Alp Tau ; 0.87; 3800;occ; 107; 0;35231
 5; 2638.2; 25-NOV-2008 08:26:54; Bright; 48.5; 114; 3Iot Aur ; 2.69; 4600;occ; 97; 0;35231
 6; 2904.5; 25-NOV-2008 08:31:21; Bright; 70.0; 6; 13Alp Aur ; 0.08; 3400;occ; 140; 0;35231
 7; 3038.4; 25-NOV-2008 08:33:34; Bright; 54.5; 42; 34Bet Aur ; 1.90; 10200;occ; 109; 0;35231
 8; 4204.4; 25-NOV-2008 08:53:00; Bright; 49.0; 174; 52Psi UMa ; 3.00; 4400;occ; 98; 0;35231
 9; 4808.5; 25-NOV-2008 09:03:05; Bright; 59.5; 96; 68Del Leo ; 2.56; 9300;occ; 119; 0;35231
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11; 6167.4; 25-NOV-2008 09:25:43; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;35231
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13; 6885.7; 25-NOV-2008 09:37:42; Dark ; 58.5; 117; Pi Pup ; 2.71; 3800;occ; 117; 0;35231
14; 7123.4; 25-NOV-2008 09:41:39; Dark ; 73.5; 23; 21Eps CMa ; 1.50; 26000;occ; 147; 0;35231
15; 7259.0; 25-NOV-2008 09:43:55; Dark ; 82.0; 179; 240mi2CMa ; 3.03; 24000;occ; 164; 0;35231
16; 7556.2; 25-NOV-2008 09:48:52; Dark ; 109.5; 1; 9Alp CMa ; -1.44; 11000;occ; 219; 0;35231
17; 7796.7; 25-NOV-2008 09:52:53; Dark ; 50.5; 7; 19Bet Ori ; 0.10; 14000;occ; 101; 0;35231
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 2; 1971.0; 25-NOV-2008 09:56:23; Dark ; 68.5; 30; 46Eps Ori ; 1.69; 30000;occ; 137; 0;35232
 3; 2146.6; 25-NOV-2008 09:59:18; Dark ; 67.0; 27; 24Gam Ori ; 1.64; 26000;occ; 134; 0;35232
 4; 2264.4; 25-NOV-2008 10:01:16; Bright; 51.0; 13; 87Alp Tau ; 0.87; 3800;occ; 102; 0;35232
 5; 2637.5; 25-NOV-2008 10:07:29; Bright; 50.0; 114; 3Iot Aur ; 2.69; 4600;occ; 100; 0;35232
 6; 2903.7; 25-NOV-2008 10:11:56; Bright; 52.5; 6; 13Alp Aur ; 0.08; 3400;occ; 105; 0;35232
 7; 3037.4; 25-NOV-2008 10:14:09; Bright; 54.5; 42; 34Bet Aur ; 1.90; 10200;occ; 109; 0;35232
 8; 4204.2; 25-NOV-2008 10:33:36; Bright; 47.5; 174; 52Psi UMa ; 3.00; 4400;occ; 95; 0;35232
 9; 4809.2; 25-NOV-2008 10:43:41; Bright; 58.5; 96; 68Del Leo ; 2.56; 9300;occ; 117; 0;35232
10; 5027.2; 25-NOV-2008 10:47:19; Dark ; 48.0; 51; 41Gam1Leo ; 2.01; 4500;occ; 96; 0;35232
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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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
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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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6; 2262.3; 25-NOV-2008 16:43:38; Bright; 58.0; 13; 87Alp Tau ; 0.87; 3800;occ; 116; 0;35236
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8; 2900.7; 25-NOV-2008 16:54:16; Bright; 48.5; 6; 13Alp Aur ; 0.08; 3400;occ; 97; 0;35236
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11; 4811.7; 25-NOV-2008 17:26:07; Bright; 61.0; 96; 68Del Leo ; 2.56; 9300;occ; 122; 0;35236
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13; 6180.6; 25-NOV-2008 17:48:56; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;35236
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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
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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
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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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3; 2136.9; 26-NOV-2008 07:46:56; Dark ; 75.5; 27; 24Gam Ori ; 1.64; 26000;occ; 151; 0;35245
4; 2258.1; 26-NOV-2008 07:48:57; Bright; 56.5; 13; 87Alp Tau ; 0.87; 3800;occ; 113; 0;35245
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7; 3023.1; 26-NOV-2008 08:01:42; Bright; 53.5; 42; 34Bet Aur ; 1.90; 10200;occ; 107; 0;35245
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4; 1523.0; 26-NOV-2008 21:01:30; Dark ; 107.5; 1; 9Alp CMA ; -1.44; 11000;occ; 215; 0;35253
5; 1758.1; 26-NOV-2008 21:05:25; Dark ; 61.5; 7; 19Bet Ori ; 0.10; 14000;occ; 123; 0;35253
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9; 2621.8; 26-NOV-2008 21:19:48; Bright; 47.5; 114; 3Iot Aur ; 2.69; 4600;occ; 95; 0;35253
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11; 3014.4; 26-NOV-2008 21:26:21; Bright; 53.5; 42; 34Bet Aur ; 1.90; 10200;occ; 107; 0;35253
12; 4200.3; 26-NOV-2008 21:46:07; Bright; 48.0; 174; 52Psi UMa ; 3.00; 4400;occ; 96; 0;35253
13; 4822.2; 26-NOV-2008 21:56:29; Bright; 76.0; 96; 68Del Leo ; 2.56; 9300;occ; 152; 0;35253
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13; 3013.4; 26-NOV-2008 23:06:56; Bright; 53.5; 42; 34Bet Aur ; 1.90; 10200;occ; 107; 0;35254
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6; 2624.1; 26-NOV-2008 16:18:03; Bright; 48.5; 114; 3Iot Aur ; 2.69; 4600;occ; 97; 0;35250
7; 2889.8; 26-NOV-2008 16:22:29; Bright; 50.0; 6; 13Alp Aur ; 0.08; 3400;occ; 100; 0;35250
8; 3017.7; 26-NOV-2008 16:24:36; Bright; 54.5; 42; 34Bet Aur ; 1.90; 10200;occ; 109; 0;35250
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13; 6903.9; 26-NOV-2008 17:29:23; Dark ; 63.0; 117; Pi Pup ; 2.71; 3800;occ; 126; 0;35250
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7; 2255.4; 26-NOV-2008 17:52:30; Bright; 57.0; 13; 87Alp Tau ; 0.87; 3800;occ; 114; 0;35251
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12; 4821.1; 26-NOV-2008 18:35:16; Bright; 63.0; 96; 68Del Leo ; 2.56; 9300;occ; 126; 0;35251
13; 6220.3; 26-NOV-2008 18:58:35; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;35251
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6; 2131.8; 26-NOV-2008 19:31:03; Dark ; 71.5; 27; 24Gam Ori ; 1.64; 26000;occ; 143; 0;35252
7; 2254.9; 26-NOV-2008 19:33:06; Bright; 54.5; 13; 87Alp Tau ; 0.87; 3800;occ; 109; 0;35252
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9; 2888.3; 26-NOV-2008 19:43:39; Bright; 50.0; 6; 13Alp Aur ; 0.08; 3400;occ; 100; 0;35252
10; 3015.5; 26-NOV-2008 19:45:46; Bright; 53.0; 42; 34Bet Aur ; 1.90; 10200;occ; 106; 0;35252
11; 4200.4; 26-NOV-2008 20:05:31; Bright; 51.0; 174; 52Psi UMa ; 3.00; 4400;occ; 102; 0;35252
12; 4821.7; 26-NOV-2008 20:15:52; Bright; 60.5; 96; 68Del Leo ; 2.56; 9300;occ; 121; 0;35252
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4; 1106.7; 27-NOV-2008 00:15:45; Dark ; 71.0; 23; 21Eps CMA ; 1.50; 26000;occ; 142; 0;35255
5; 1240.5; 27-NOV-2008 00:17:59; Dark ; 78.5; 179; 240mi2CMA ; 3.03; 24000;occ; 157; 0;35255
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9; 2129.7; 27-NOV-2008 00:32:48; Dark ; 79.0; 27; 24Gam Ori ; 1.64; 26000;occ; 158; 0;35255
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4; 1107.6; 27-NOV-2008 01:56:22; Dark ; 70.5; 23; 21Eps CMA ; 1.50; 26000;occ; 141; 0;35256
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5; 873.5; 27-NOV-2008 03:33:04; Dark ; 59.0; 117; Pi Pup ; 2.71; 3800;occ; 118; 0;35257
6; 1108.6; 27-NOV-2008 03:36:59; Dark ; 67.5; 23; 21Eps CMA ; 1.50; 26000;occ; 135; 0;35257
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11; 2509.7; 27-NOV-2008 22:26:55; Bright; 58.0; 176; 23Zet Tau ; 3.02; 22000;occ; 116; 0;35268
12; 2876.5; 27-NOV-2008 22:33:02; Bright; 49.0; 6; 13Alp Aur ; 0.08; 3400;occ; 98; 0;35268
13; 2998.6; 27-NOV-2008 22:35:04; Bright; 53.0; 42; 34Bet Aur ; 1.90; 10200;occ; 106; 0;35268
14; 4197.0; 27-NOV-2008 22:55:03; Bright; 51.5; 174; 52Psi UMa ; 3.00; 4400;occ; 103; 0;35268
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2; 668.5; 27-NOV-2008 23:36:50; Dark ; 56.0; 70; Zet Pup ; 2.25; 39000;occ; 112; 0;35269
3; 884.4; 27-NOV-2008 23:40:26; Dark ; 57.5; 117; Pi Pup ; 2.71; 3800;occ; 115; 0;35269
4; 1117.9; 27-NOV-2008 23:44:19; Dark ; 68.5; 23; 21Eps CMa ; 1.50; 26000;occ; 137; 0;35269
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
8; 1951.0; 27-NOV-2008 23:58:13; Dark ; 66.5; 30; 46Eps Ori ; 1.69; 30000;occ; 133; 0;35269
9; 2120.2; 28-NOV-2008 00:01:02; Dark ; 68.0; 27; 24Gam Ori ; 1.64; 26000;occ; 136; 0;35269
10; 2244.9; 28-NOV-2008 00:03:06; Bright; 88.0; 14; 58Alp Ori ; 0.87; 3000;occ; 176; 0;35269
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
16; 7793.2; 27-NOV-2008 08:49:35; Dark ; 63.5; 7; 19Bet Ori ; 0.10; 14000;occ; 127; 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
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 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
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 13; 6914.9; 27-NOV-2008 13:36:45; Dark ; 57.5; 117; Pi Pup ; 2.71; 3800;occ; 115; 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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11; 6255.6; 27-NOV-2008 16:46:57; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;35264
12; 6700.0; 27-NOV-2008 16:54:22; Dark ; 55.0; 70; Zet Pup ; 2.25; 39000;occ; 110; 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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13; 6261.0; 27-NOV-2008 20:08:15; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;35266
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3; 885.2; 28-NOV-2008 01:21:03; Dark ; 61.0; 117; Pi Pup ; 2.71; 3800;occ; 122; 0;35270
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9; 2119.7; 28-NOV-2008 01:41:37; Dark ; 64.0; 27; 24Gam Ori ; 1.64; 26000;occ; 128; 0;35270
10; 2243.8; 28-NOV-2008 01:43:41; Bright; 86.5; 14; 58Alp Ori ; 0.87; 3000;occ; 173; 0;35270
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3; 1137.4; 29-NOV-2008 19:20:13; Dark ; 66.5; 23; 21Eps CMA ; 1.50; 26000;occ; 133; 0;35295
4; 1534.1; 29-NOV-2008 19:26:50; Dark ; 53.0; 101; 11Alp Lep ; 2.58; 7000;occ; 106; 0;35295
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11; 2856.8; 29-NOV-2008 21:29:29; Bright; 46.5; 6; 13Alp Aur ; 0.08; 3400;occ; 93; 0;35296
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5; 698.4; 29-NOV-2008 22:34:06; Dark ; 55.5; 70; Zet Pup ; 2.25; 39000;occ; 111; 0;35297
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13; 2236.5; 29-NOV-2008 22:59:44; Bright; 52.5; 13; 87Alp Tau ; 0.87; 3800;occ; 105; 0;35297
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22; 4347.3; 29-NOV-2008 23:34:55; Bright; 40.0; 152; 12Alp2CVn ; 2.89; 11000;occ; 80; 0;35297
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5; 1056.4; 30-NOV-2008 02:01:16; Dark ; 35.0; 88; 31Eta CMA ; 2.45; 20000;occ; 70; 0;35299
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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
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6; 2471.8; 30-NOV-2008 12:28:27; Bright; 36.5; 150; 44Zet Per ; 2.89; 28000;occ; 73; 0;35305
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 6; 2471.6; 30-NOV-2008 14:09:03; Bright; 37.5; 150; 44Zet Per ; 2.89; 28000;occ; 75; 0;35306
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 3; 1536.1; 30-NOV-2008 17:14:39; Dark ; 53.5; 101; 11Alp Lep ; 2.58; 7000;occ; 107; 0;35308
 4; 1752.8; 30-NOV-2008 17:18:16; Dark ; 59.5; 7; 19Bet Ori ; 0.10; 14000;occ; 119; 0;35308
 5; 1934.1; 30-NOV-2008 17:21:17; Dark ; 63.0; 30; 46Eps Ori ; 1.69; 30000;occ; 126; 0;35308
 6; 2097.3; 30-NOV-2008 17:24:00; Dark ; 60.5; 27; 24Gam Ori ; 1.64; 26000;occ; 121; 0;35308
 7; 2232.8; 30-NOV-2008 17:26:16; Bright; 51.0; 13; 87Alp Tau ; 0.87; 3800;occ; 102; 0;35308
 8; 2471.1; 30-NOV-2008 17:30:14; Bright; 38.5; 150; 44Zet Per ; 2.89; 28000;occ; 77; 0;35308
 9; 2616.7; 30-NOV-2008 17:32:40; Bright; 51.0; 149; 45Eps Per ; 2.89; 30000;occ; 102; 0;35308
 10; 2848.8; 30-NOV-2008 17:36:32; Bright; 48.0; 6; 13Alp Aur ; 0.08; 3400;occ; 96; 0;35308
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 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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