

# GOMOS Daily Report 12-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	14NOV2008 05:41:47
Data source version	GOMOS/5.00
Start time of products	12NOV2008 00:01:33
Stop time of products	12NOV2008 04:18:11
Store outputs in DB	Yes
Nb of level 1b prods	49
Nb of prods with errors	0

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

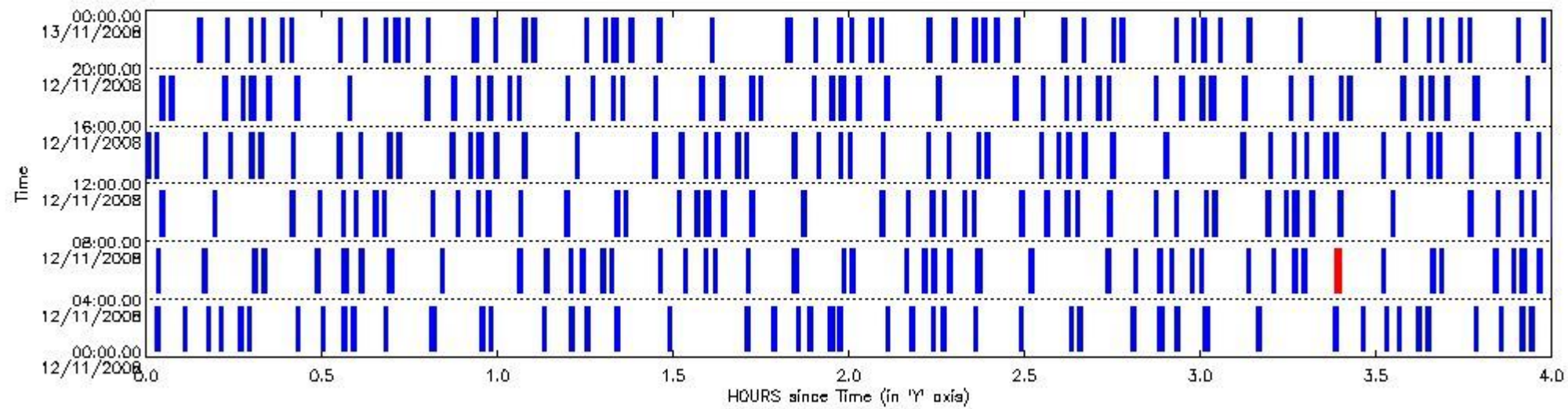
### 2.1 Level 0 products arrived in PCF (see template [here](#))

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

Red segments are missing products.

Blue segments are available products.

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



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

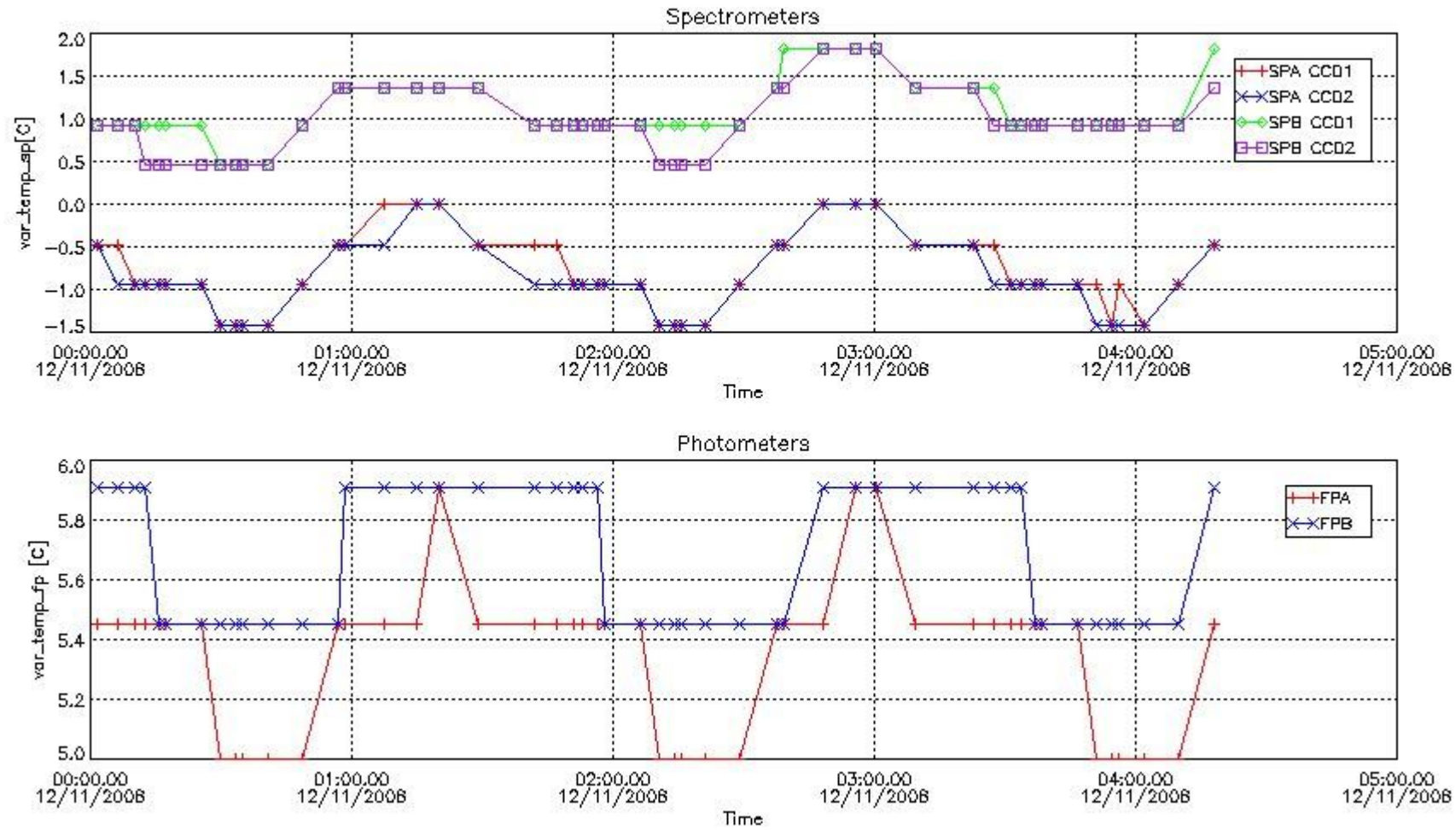
UTC start time	Star name	Star ID	Orbit
12-NOV-2008 07:23:03	12Alp2CVn	152	35044

### 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_1PNPDE20081112_000133_000000502073_00417_35040_1637.N1	12-NOV-2008 00:01:33	Twilight_stray	50.000	94	92Alp Cet	2.5260	3100.0	100	35040	No
2	GOM_TRA_1PNPDE20081112_000616_000000372073_00417_35040_1638.N1	12-NOV-2008 00:06:16	Bright	37.000	105	6Bet Ari	2.6450	8900.0	74	35040	No
3	GOM_TRA_1PNPDE20081112_001021_000000362073_00417_35040_1639.N1	12-NOV-2008 00:10:21	Bright	35.500	173	4Bet Tri	3.0040	8900.0	71	35040	No
4	GOM_TRA_1PNPDE20081112_001225_000000372073_00417_35040_1640.N1	12-NOV-2008 00:12:25	Bright	36.500	73	57Gam1And	2.2600	13100.	73	35040	No
5	GOM_TRA_1PNPDE20081112_001549_000000392073_00417_35040_1641.N1	12-NOV-2008 00:15:49	Bright	39.000	35	33Alp Per	1.7950	6250.0	78	35040	No
6	GOM_TRA_1PNPDE20081112_001723_000000342073_00417_35040_1642.N1	12-NOV-2008 00:17:23	Bright	34.000	110	37Del Cas	2.6780	8900.0	68	35040	No
7	GOM_TRA_1PNPDE20081112_002536_000000342073_00417_35040_1643.N1	12-NOV-2008 00:25:36	Bright	33.500	49	1Alp UMi	1.9900	6300.0	67	35040	No
8	GOM_TRA_1PNPDE20081112_002951_000000342073_00417_35040_1644.N1	12-NOV-2008 00:29:51	Bright	34.000	60	7Bet UMi	2.0810	3950.0	68	35040	No
9	GOM_TRA_1PNPDE20081112_003324_000000392073_00417_35040_1645.N1	12-NOV-2008 00:33:24	Bright	39.000	36	50Alp UMa	1.8000	6300.0	78	35040	No
10	GOM_TRA_1PNPDE20081112_003503_000000392073_00417_35040_1646.N1	12-NOV-2008 00:35:03	Bright	39.000	82	48Bet UMa	2.3650	10600.	78	35040	No

11	GOM_TRA_1PNPDE20081112_004037_000000342073_00417_35040_1647.N1	12-NOV-2008 00:40:37	Bright	34.000	152	12Alp2CVn	2.8900	11000.	68	35040	No
12	GOM_TRA_1PNPDE20081112_004826_000000592073_00417_35040_1648.N1	12-NOV-2008 00:48:26	Bright	59.000	62	94Bet Leo	2.1360	9700.0	118	35040	No
13	GOM_TRA_1PNPDE20081112_005658_000000422073_00417_35040_1781.N1	12-NOV-2008 00:56:58	Twilight	42.000	100	4Gam Crv	2.5800	13100.	84	35040	No
14	GOM_TRA_1PNPDE20081112_005829_000000432073_00417_35040_1782.N1	12-NOV-2008 00:58:29	Twilight	43.000	171	2Eps Crv	3.0010	4250.0	86	35040	No
15	GOM_TRA_1PNPDE20081112_010736_000000412073_00417_35040_1783.N1	12-NOV-2008 01:07:36	Dark	41.000	113	Mu Vel	2.6920	5000.0	82	35040	No
16	GOM_TRA_1PNPDE20081112_011501_000000472073_00418_35041_1784.N1	12-NOV-2008 01:15:01	Dark	46.500	34	Gam2Vel	1.7930	23000.	93	35041	No
17	GOM_TRA_1PNPDE20081112_011953_000000542073_00418_35041_1785.N1	12-NOV-2008 01:19:53	Dark	54.000	2	Alp Car	-0.73600	7000.0	108	35041	No
18	GOM_TRA_1PNPDE20081112_012858_000000392073_00418_35041_1786.N1	12-NOV-2008 01:28:58	Straylight	38.500	157	The1Eri	2.9060	9300.0	77	35041	No
19	GOM_TRA_1PNPDE20081112_014209_000000492073_00418_35041_1787.N1	12-NOV-2008 01:42:09	Twilight	48.500	94	92Alp Cet	2.5260	3100.0	97	35041	No
20	GOM_TRA_1PNPDE20081112_014652_000000372073_00418_35041_1788.N1	12-NOV-2008 01:46:52	Bright	36.500	105	6Bet Ari	2.6450	8900.0	73	35041	No
21	GOM_TRA_1PNPDE20081112_015057_000000372073_00418_35041_1789.N1	12-NOV-2008 01:50:57	Bright	36.500	173	4Bet Tri	3.0040	8900.0	73	35041	No
22	GOM_TRA_1PNPDE20081112_015300_000000382073_00418_35041_1790.N1	12-NOV-2008 01:53:00	Bright	37.500	73	57Gam1And	2.2600	13100.	75	35041	No
23	GOM_TRA_1PNPDE20081112_015624_000000602073_00418_35041_1791.N1	12-NOV-2008 01:56:24	Bright	60.000	35	33Alp Per	1.7950	6250.0	120	35041	No
24	GOM_TRA_1PNPDE20081112_015759_000000522073_00418_35041_1792.N1	12-NOV-2008 01:57:59	Bright	52.000	110	37Del Cas	2.6780	8900.0	104	35041	No
25	GOM_TRA_1PNPDE20081112_020612_000000332073_00418_35041_1793.N1	12-NOV-2008 02:06:12	Bright	32.500	49	1Alp UMi	1.9900	6300.0	65	35041	No
26	GOM_TRA_1PNPDE20081112_021027_000000382073_00418_35041_1794.N1	12-NOV-2008 02:10:27	Bright	37.500	60	7Bet UMi	2.0810	3950.0	75	35041	No
27	GOM_TRA_1PNPDE20081112_021400_000000402073_00418_35041_1942.N1	12-NOV-2008 02:14:00	Bright	40.000	36	50Alp UMa	1.8000	6300.0	80	35041	No
28	GOM_TRA_1PNPDE20081112_021538_000000462073_00418_35041_1943.N1	12-NOV-2008 02:15:38	Bright	45.500	82	48Bet UMa	2.3650	10600.	91	35041	No
29	GOM_TRA_1PNPDE20081112_022113_000000352073_00418_35041_1944.N1	12-NOV-2008 02:21:13	Bright	34.500	152	12Alp2CVn	2.8900	11000.	69	35041	No
30	GOM_TRA_1PNPDE20081112_022902_000000392073_00418_35041_1945.N1	12-NOV-2008 02:29:02	Bright	38.500	62	94Bet Leo	2.1360	9700.0	77	35041	No
31	GOM_TRA_1PNPDE20081112_023735_000000412073_00418_35041_1946.N1	12-NOV-2008 02:37:35	Twilight	40.500	100	4Gam Crv	2.5800	13100.	81	35041	No
32	GOM_TRA_1PNPDE20081112_023905_000000382073_00418_35041_1947.N1	12-NOV-2008 02:39:05	Twilight	37.500	171	2Eps Crv	3.0010	4250.0	75	35041	No
33	GOM_TRA_1PNPDE20081112_024813_000000382073_00418_35041_1948.N1	12-NOV-2008 02:48:13	Dark	38.000	113	Mu Vel	2.6920	5000.0	76	35041	No
34	GOM_TRA_1PNPDE20081112_025538_000000492073_00419_35042_1949.N1	12-NOV-2008 02:55:38	Dark	48.500	34	Gam2Vel	1.7930	23000.	97	35042	No
35	GOM_TRA_1PNPDE20081112_030030_000000542073_00419_35042_1950.N1	12-NOV-2008 03:00:30	Dark	54.000	2	Alp Car	-0.73600	7000.0	108	35042	No
36	GOM_TRA_1PNPDE20081112_030934_000000402073_00419_35042_1951.N1	12-NOV-2008 03:09:34	Straylight	39.500	157	The1Eri	2.9060	9300.0	79	35042	No
37	GOM_TRA_1PNPDE20081112_032244_000000492073_00419_35042_1952.N1	12-NOV-2008 03:22:44	Twilight	48.500	94	92Alp Cet	2.5260	3100.0	97	35042	No
38	GOM_TRA_1PNPDE20081112_032728_000000362073_00419_35042_1953.N1	12-NOV-2008 03:27:28	Bright	36.000	105	6Bet Ari	2.6450	8900.0	72	35042	No
39	GOM_TRA_1PNPDE20081112_033132_000000372073_00419_35042_1954.N1	12-NOV-2008 03:31:32	Bright	36.500	173	4Bet Tri	3.0040	8900.0	73	35042	No
40	GOM_TRA_1PNPDE20081112_033336_000000382073_00419_35042_1955.N1	12-NOV-2008 03:33:36	Bright	38.000	73	57Gam1And	2.2600	13100.	76	35042	No
41	GOM_TRA_1PNPDE20081112_033700_000000412073_00419_35042_1956.N1	12-NOV-2008 03:37:00	Bright	40.500	35	33Alp Per	1.7950	6250.0	81	35042	No
42	GOM_TRA_1PNPDE20081112_033835_000000352073_00419_35042_1957.N1	12-NOV-2008 03:38:35	Bright	35.000	110	37Del Cas	2.6780	8900.0	70	35042	No
43	GOM_TRA_1PNPDE20081112_034648_000000332073_00419_35042_1958.N1	12-NOV-2008 03:46:48	Bright	33.000	49	1Alp UMi	1.9900	6300.0	66	35042	No
44	GOM_TRA_1PNPDE20081112_035103_000000382073_00419_35042_2096.N1	12-NOV-2008 03:51:03	Bright	38.000	60	7Bet UMi	2.0810	3950.0	76	35042	No
45	GOM_TRA_1PNPDE20081112_035436_000000432073_00419_35042_2097.N1	12-NOV-2008 03:54:36	Bright	43.000	36	50Alp UMa	1.8000	6300.0	86	35042	No
46	GOM_TRA_1PNPDE20081112_035614_000000412073_00419_35042_2098.N1	12-NOV-2008 03:56:14	Bright	40.500	82	48Bet UMa	2.3650	10600.	81	35042	No
47	GOM_TRA_1PNPDE20081112_040149_000000342073_00419_35042_2099.N1	12-NOV-2008 04:01:49	Bright	33.500	152	12Alp2CVn	2.8900	11000.	67	35042	No
48	GOM_TRA_1PNPDE20081112_040939_000000412073_00419_35042_2100.N1	12-NOV-2008 04:09:39	Bright	41.000	62	94Bet Leo	2.1360	9700.0	82	35042	No
49	GOM_TRA_1PNPDE20081112_041811_000000422073_00419_35042_2101.N1	12-NOV-2008 04:18:11	Twilight	42.000	100	4Gam Crv	2.5800	13100.	84	35042	No

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



#### 4. Overview of dark signal processing per product

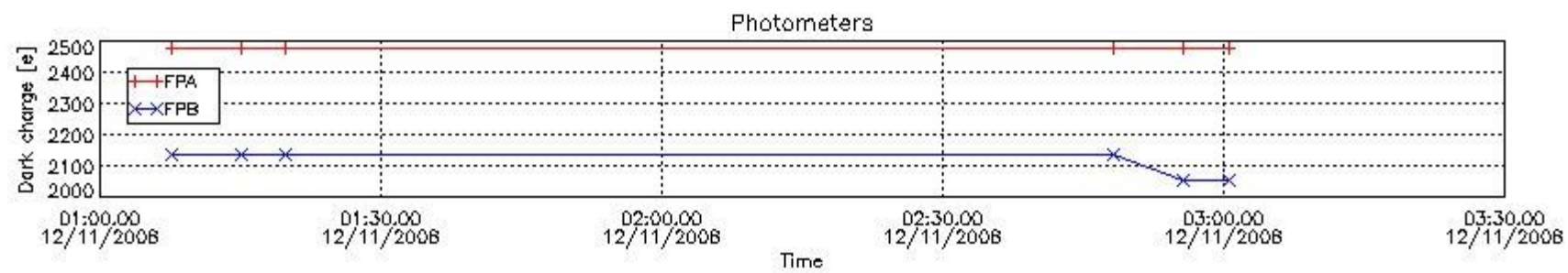
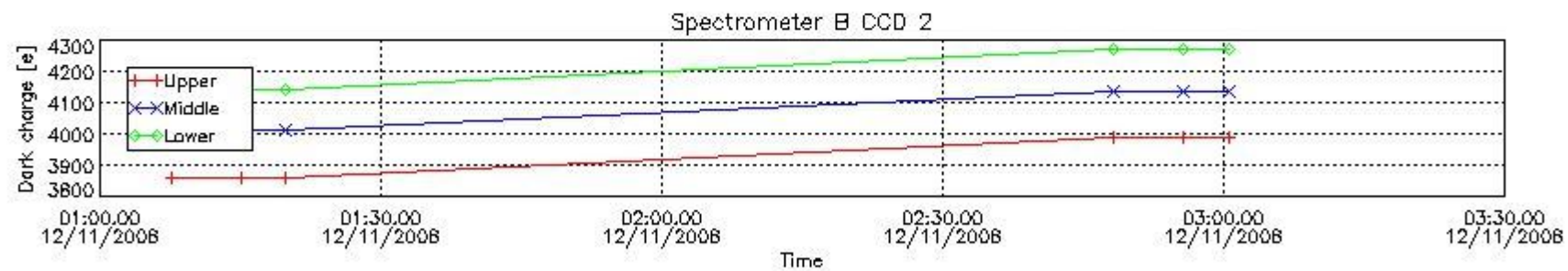
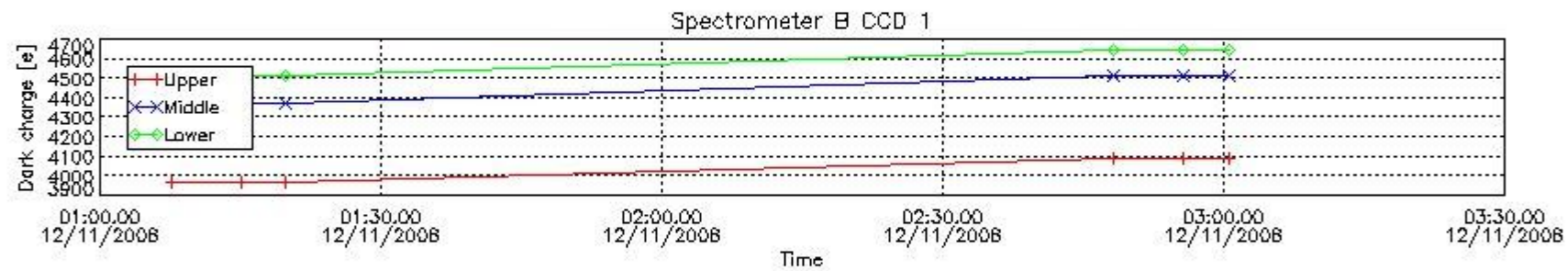
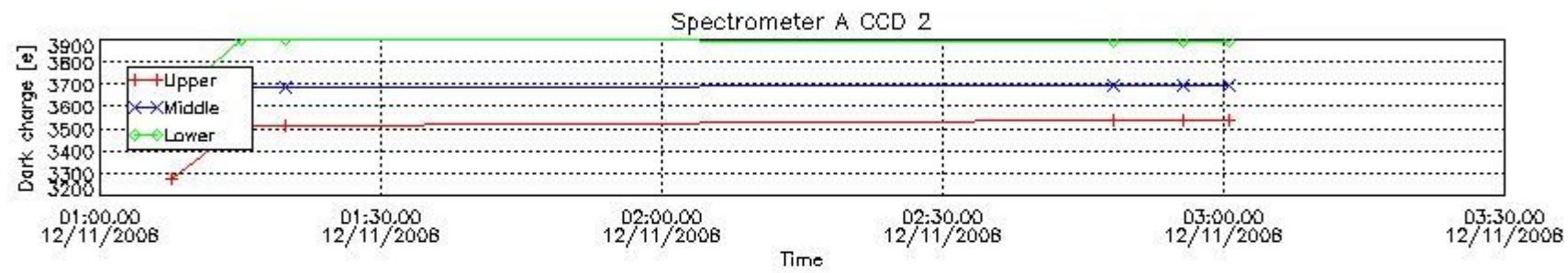
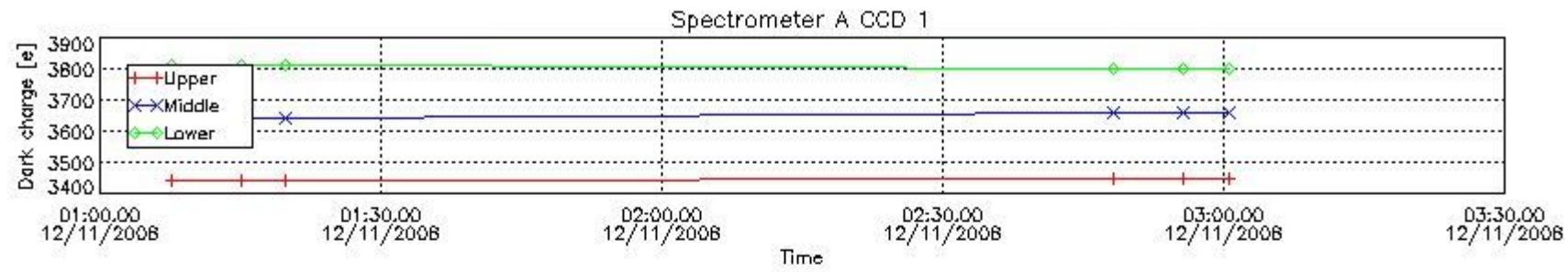
The Dark Charge (DC) is a temperature-dependant signal added to the useful measurements and it is therefore subtracted from them during the processing. There are two phenomena that produce a continuous increase of the DC: the "hot pixels" (a pixel is "hot" when its DC exceeds by a significant amount 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





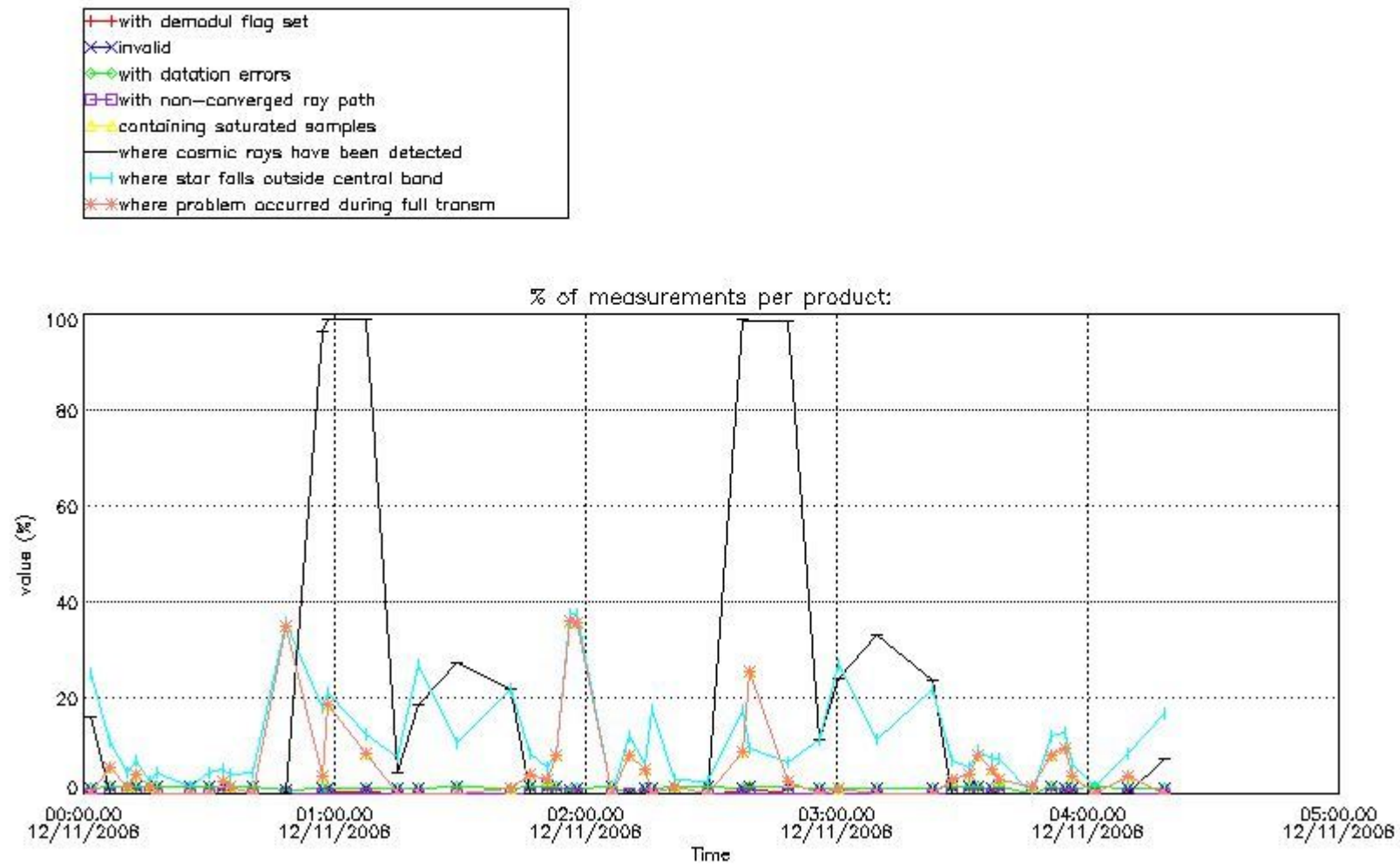
## 5. Demodulation flag and quality information monitoring

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.

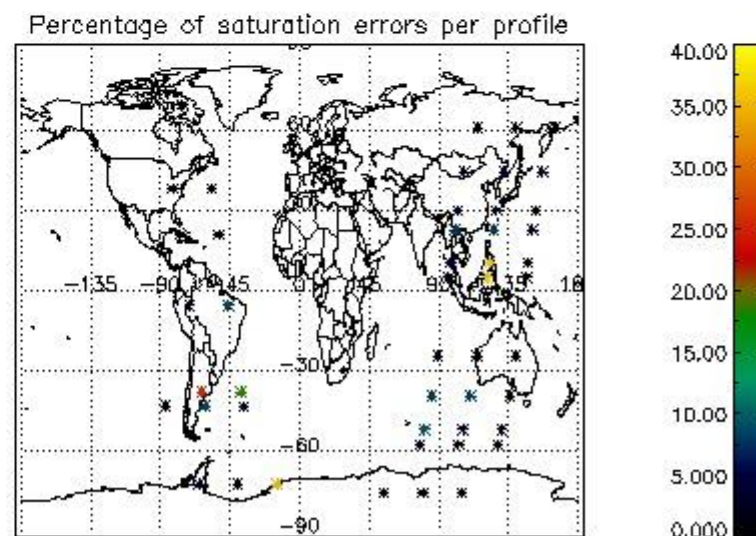
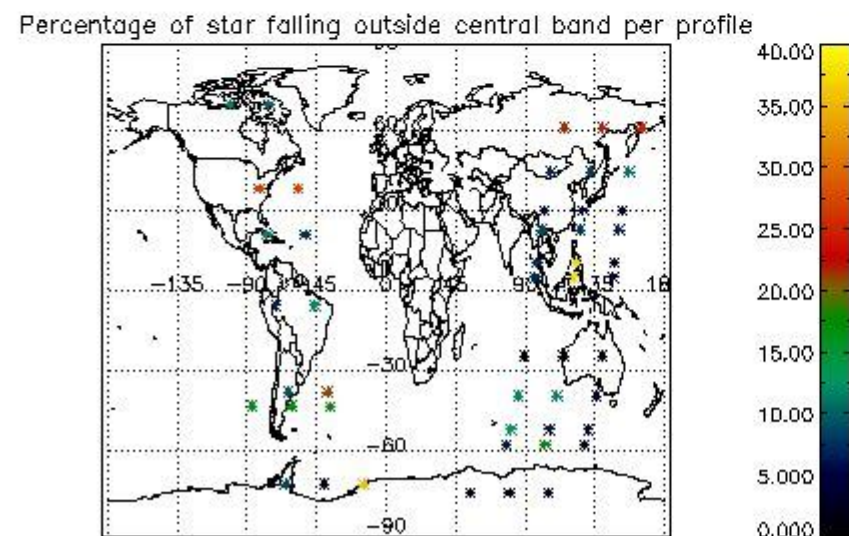
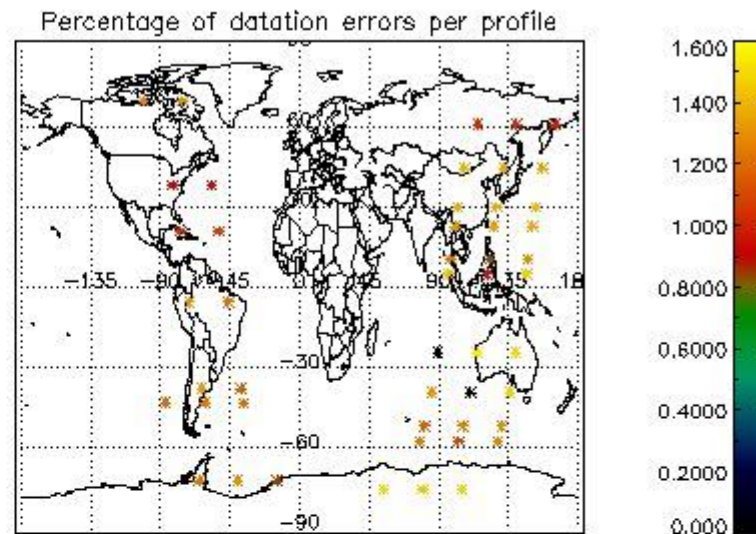
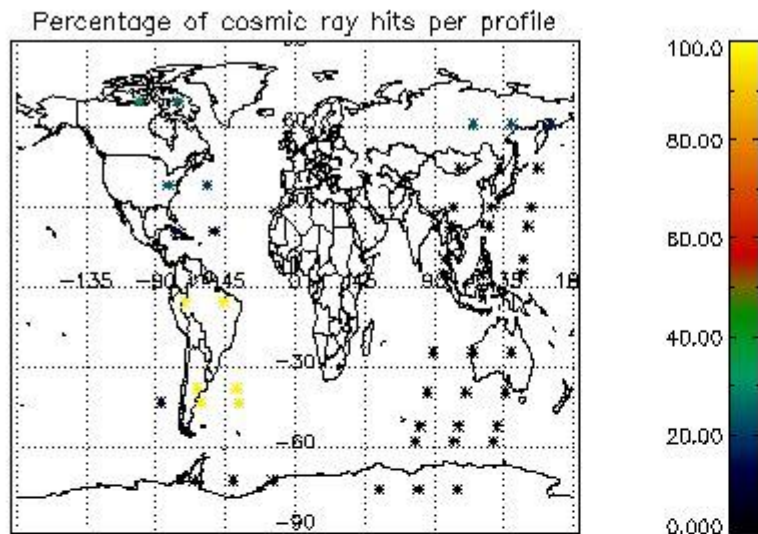
### 5.1 Percentage of products during reporting period with:

At least one measurement with demodulation flag set:	24.4898 %
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)

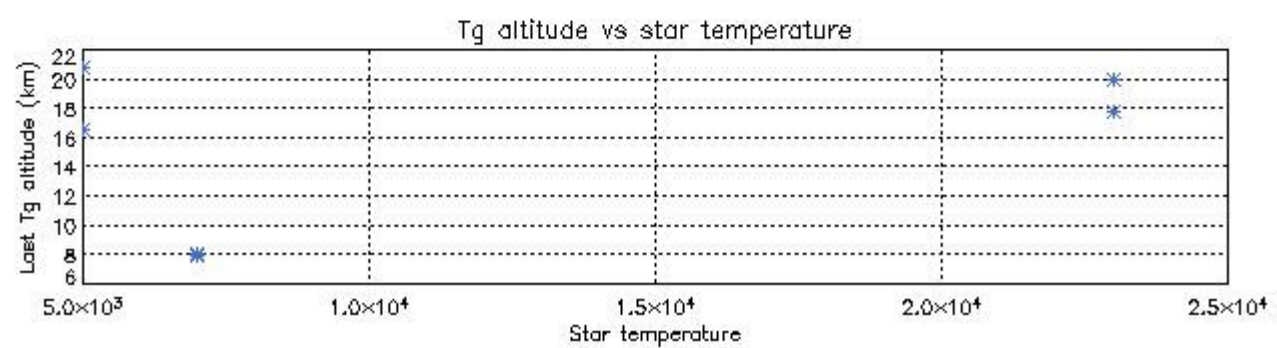
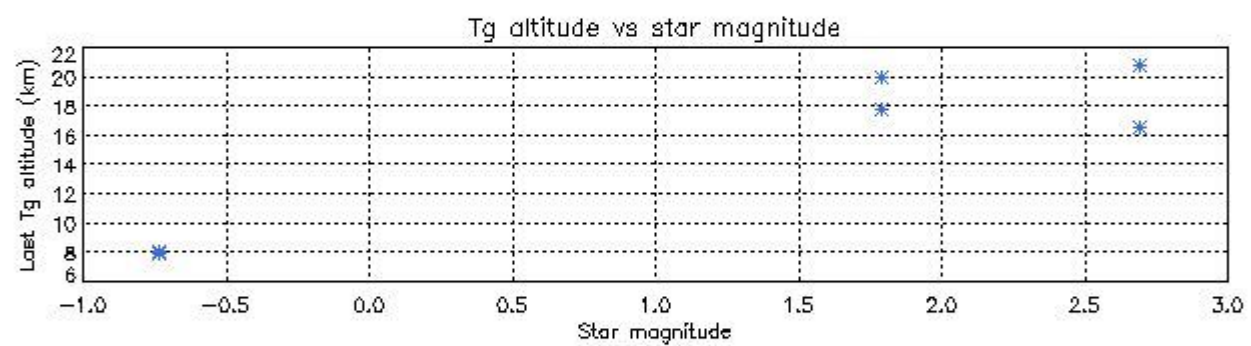
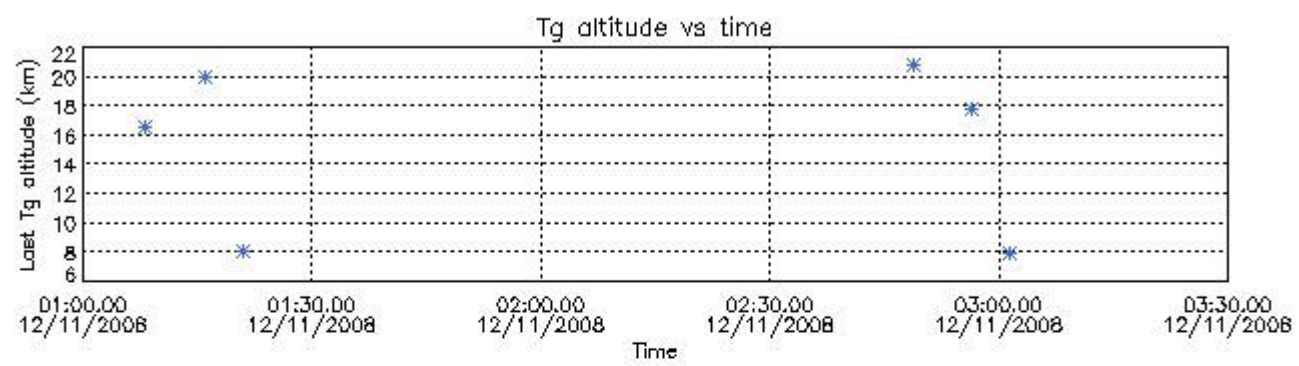
### 6.1 Statistics on tangent altitude lost:

Statistics	DARK	BRIGHT	TWILIGHT
Mean:	15.158	19.917	15.219
St. deviation:	5.7781	6.0893	4.8600
Maximum:	20.730	28.681	18.655
Minimum:	7.9092	3.3187	11.782
Number of data:	6.0000	33.000	2.0000

### 6.2 Plot for DARK limb products



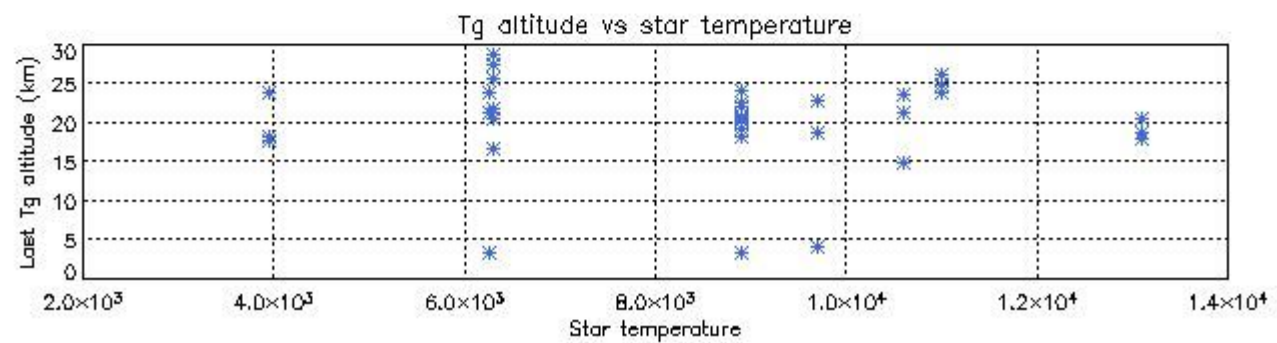
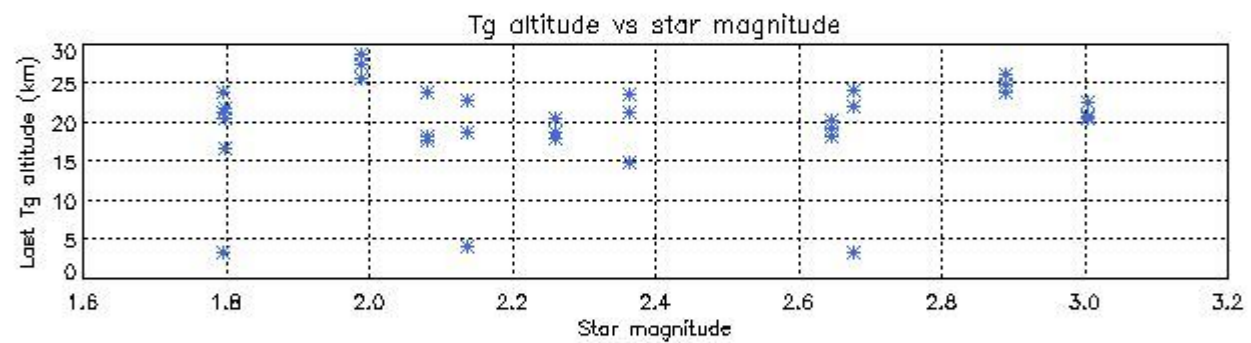
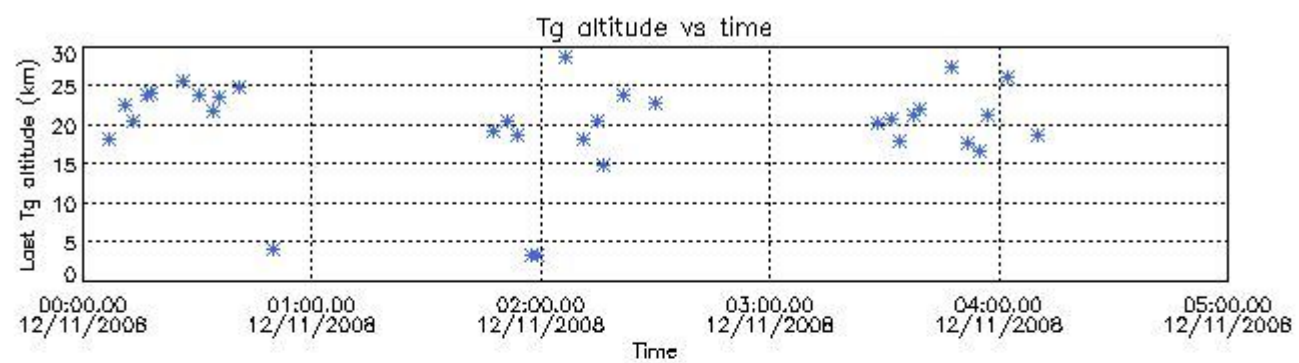
Tangent altitude at which the star is lost



6.3 Plot for BRIGHT limb products

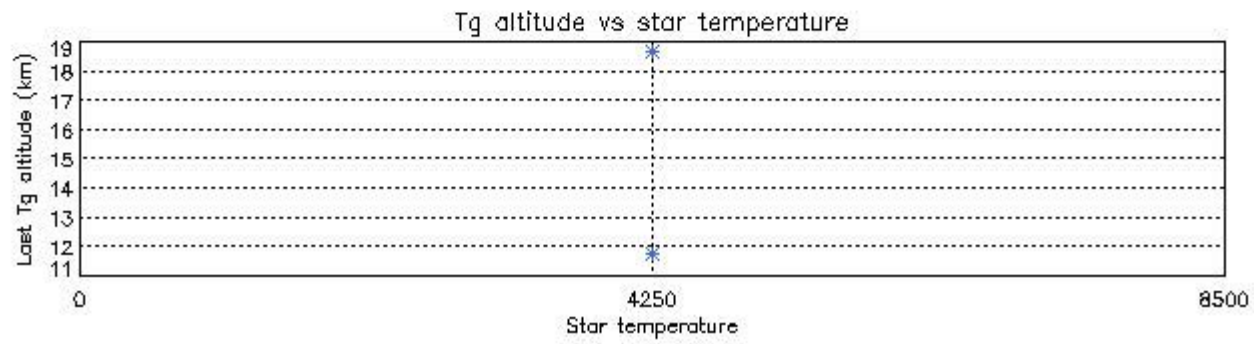
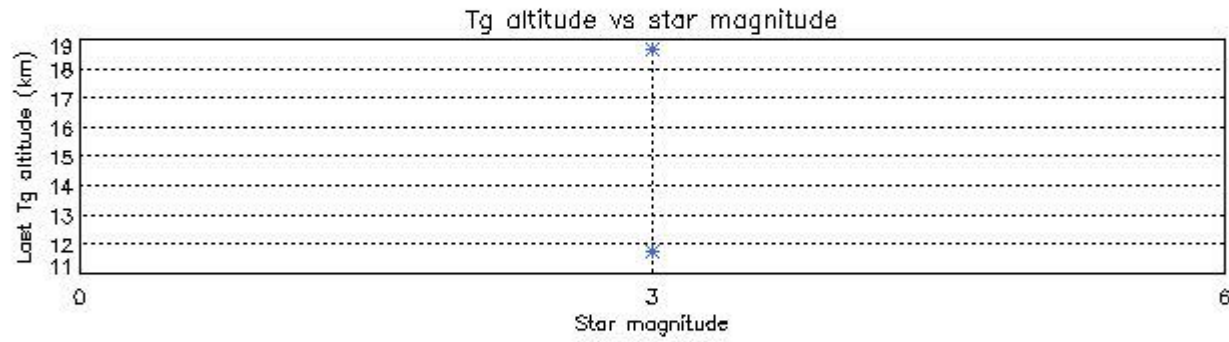
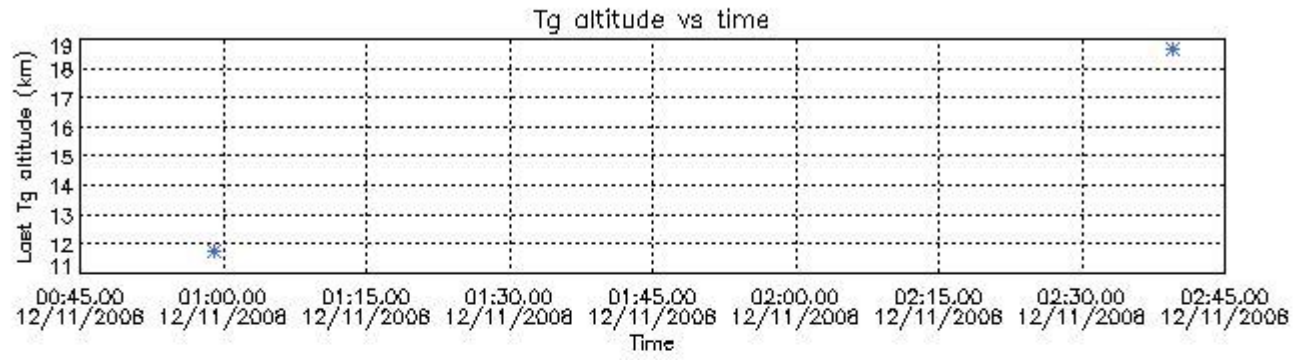


Tangent altitude at which the star is lost



6.3 Plot for TWILIGHT limb products

Tangent altitude at which the star is lost

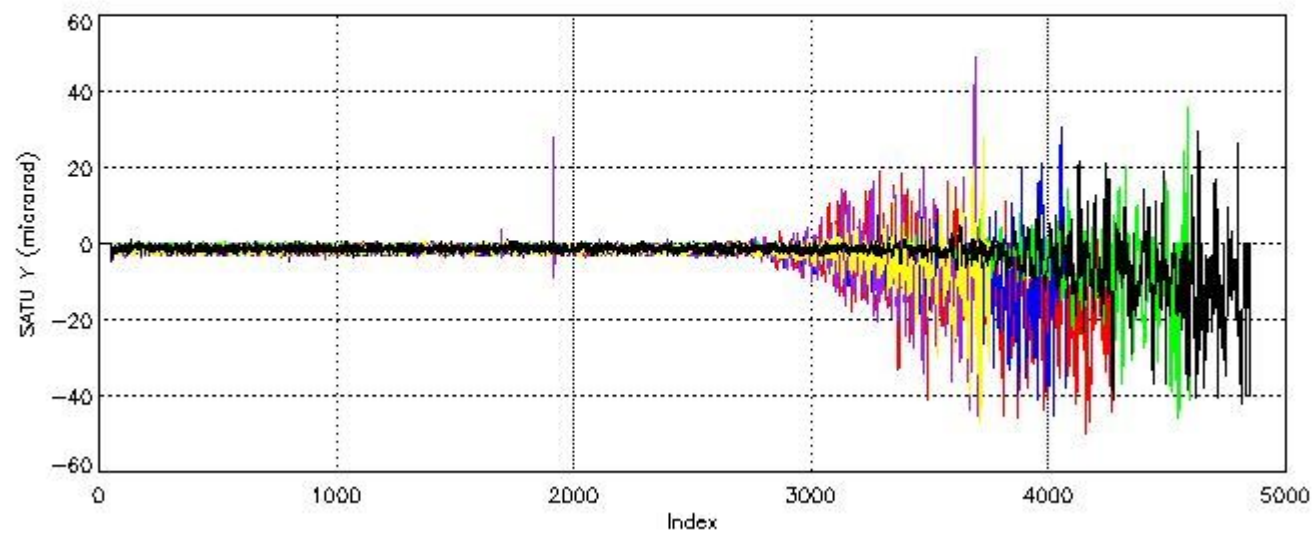
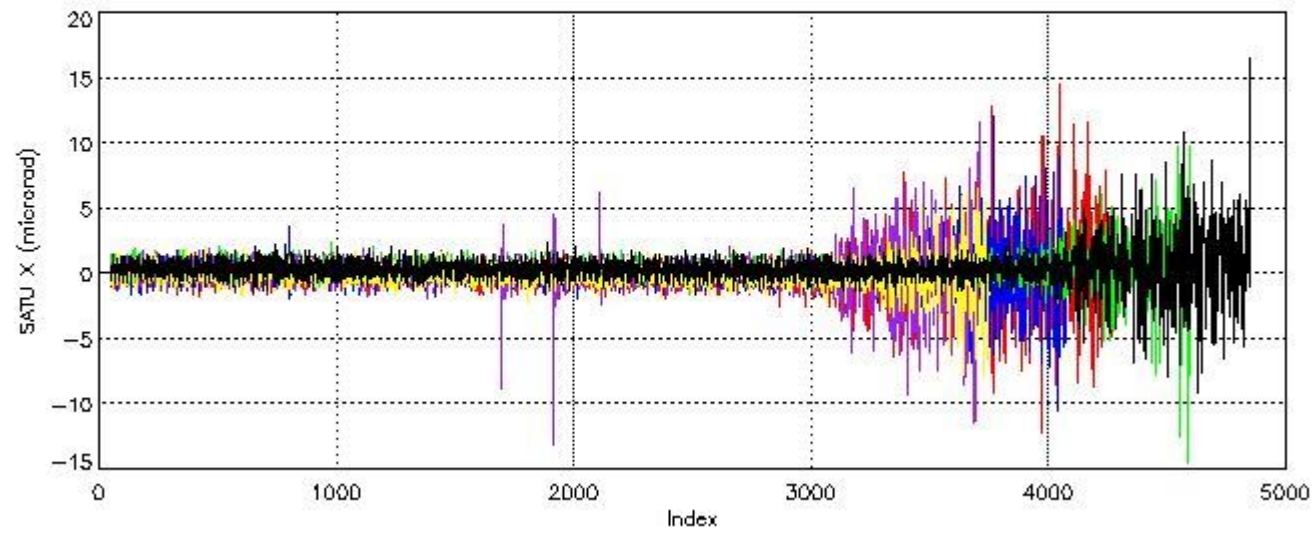


## 7. Star Acquisition and Tracking Unit (SATU)

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:	0.20976	-1.3768	0.12330	-1.3492
St. deviation:	0.40975	0.62546	0.82152	0.98847
Maximum:	3.6000	1.1000	5.7000	4.5000
Minimum:	-1.9000	-5.0000	-6.9000	-7.8000

Number of data:	6000.0	6000.0	28100.	28100.
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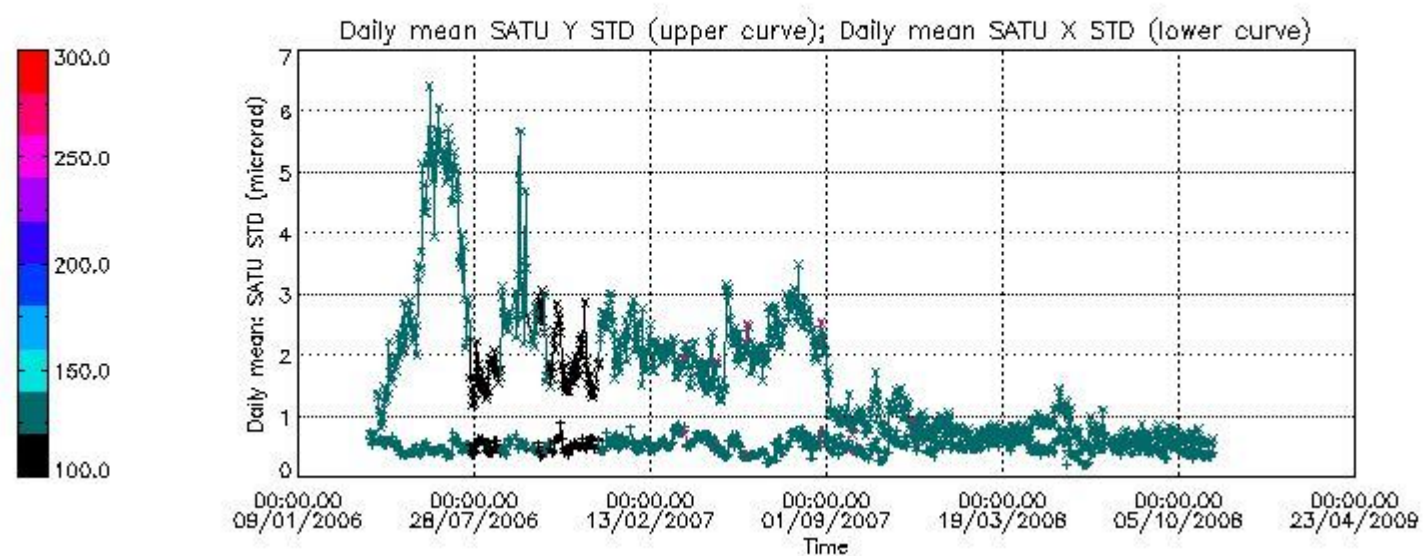
### 7.2.2 Trend of daily SATU NEA St. deviation since 1st April 2006 (dark limb)

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

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

Upper curve: STD of SATU Y axis

Lower curve: STD of SATU X axis

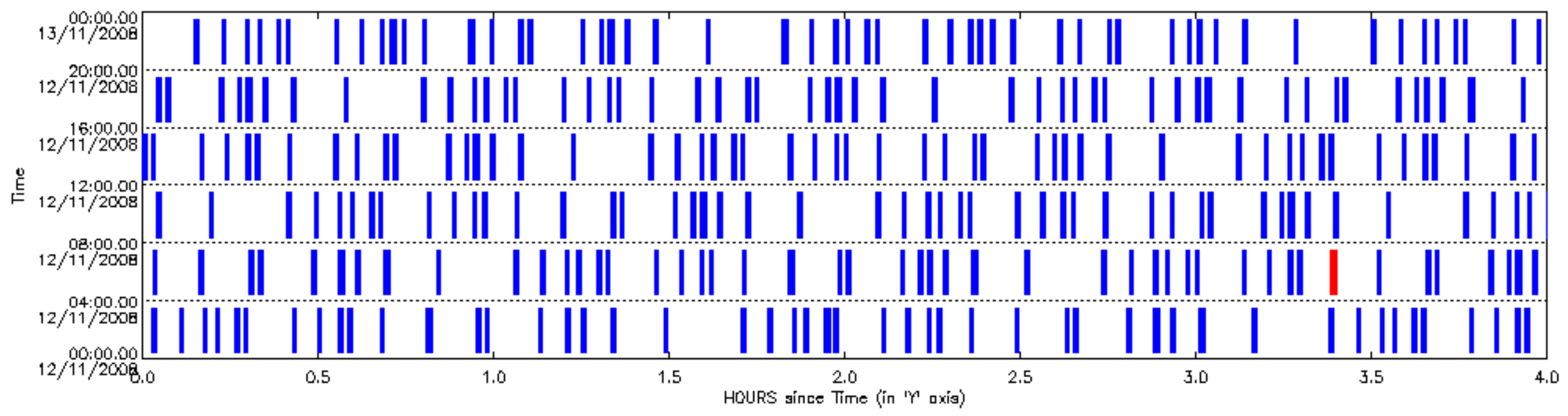


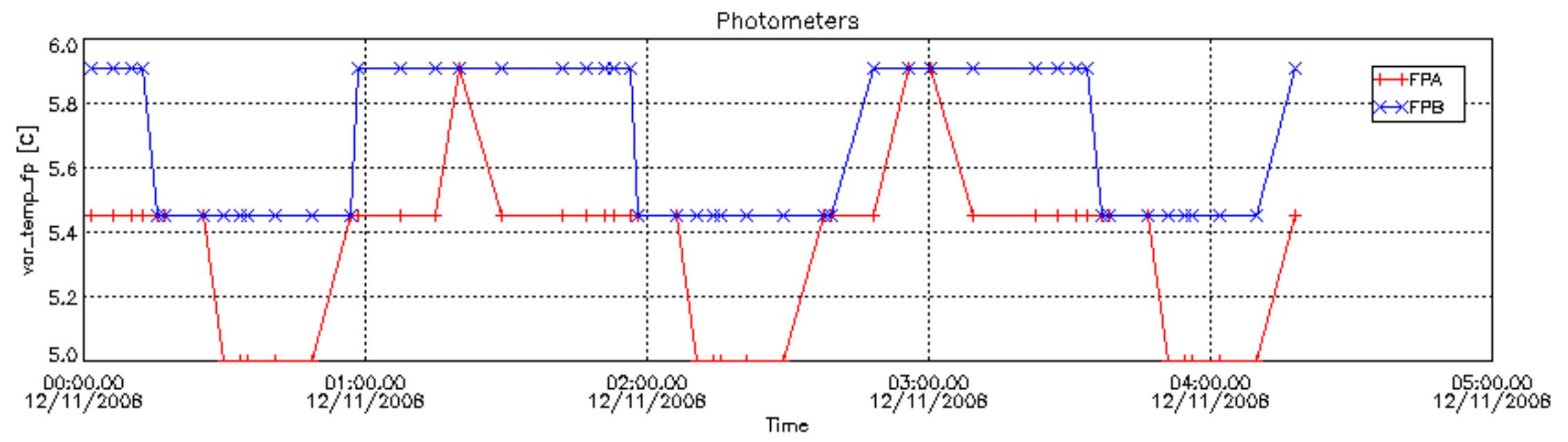
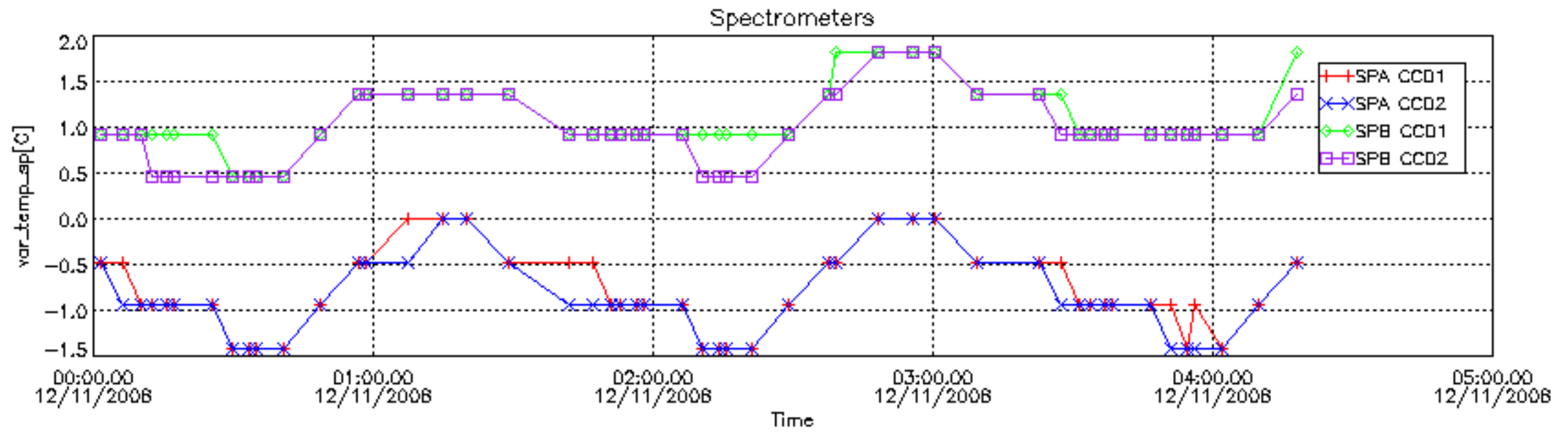
### 8. Auxiliary Data Files used for the production reported in section 2.4

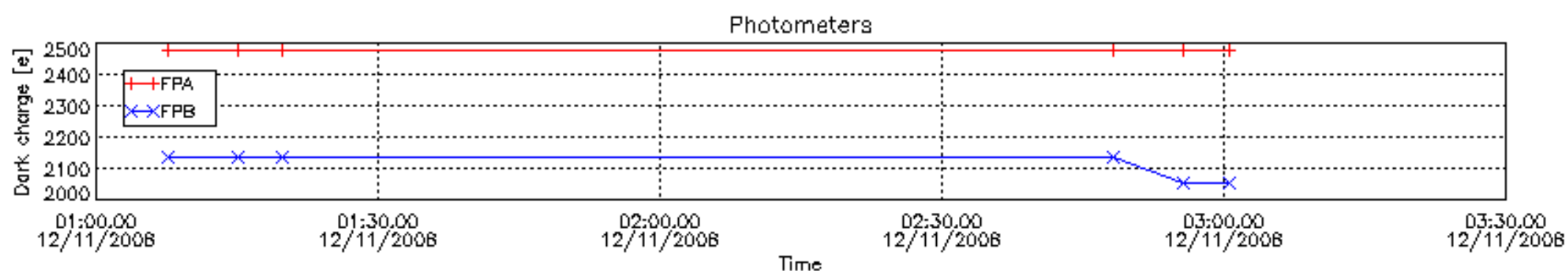
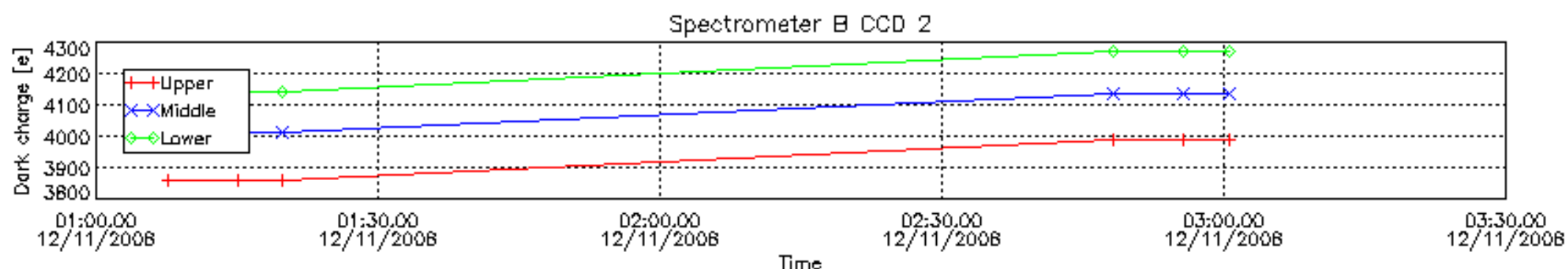
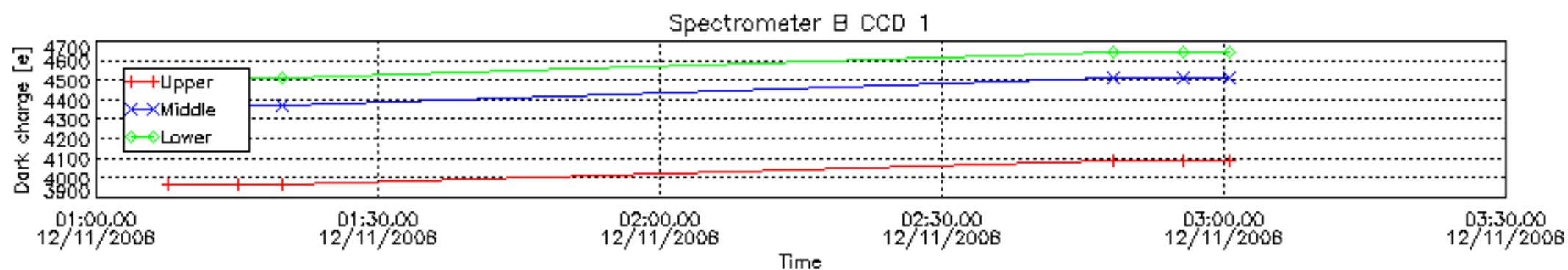
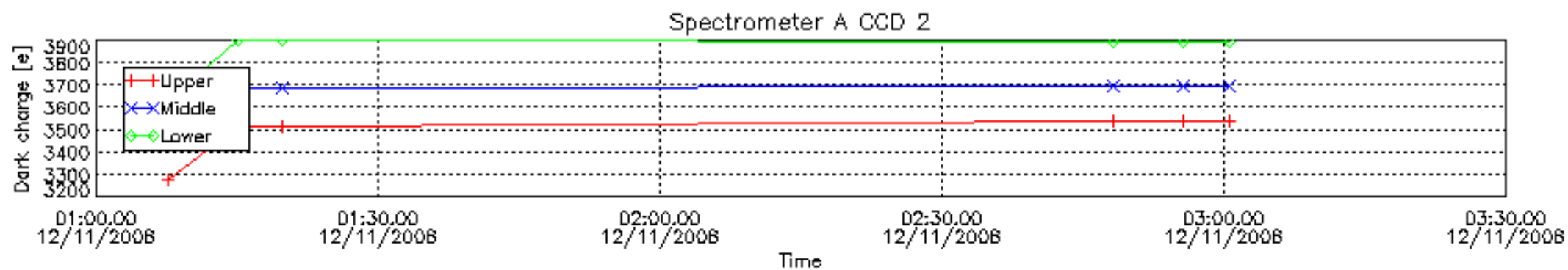
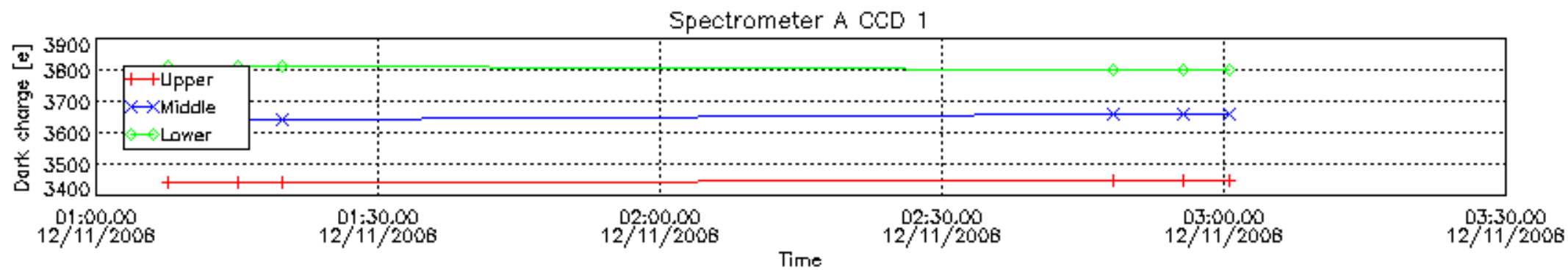
The number reported in the third column indicates since which file (see list in section 2.4) the corresponding auxiliary file has been used. The fourth column is the date of those product files.

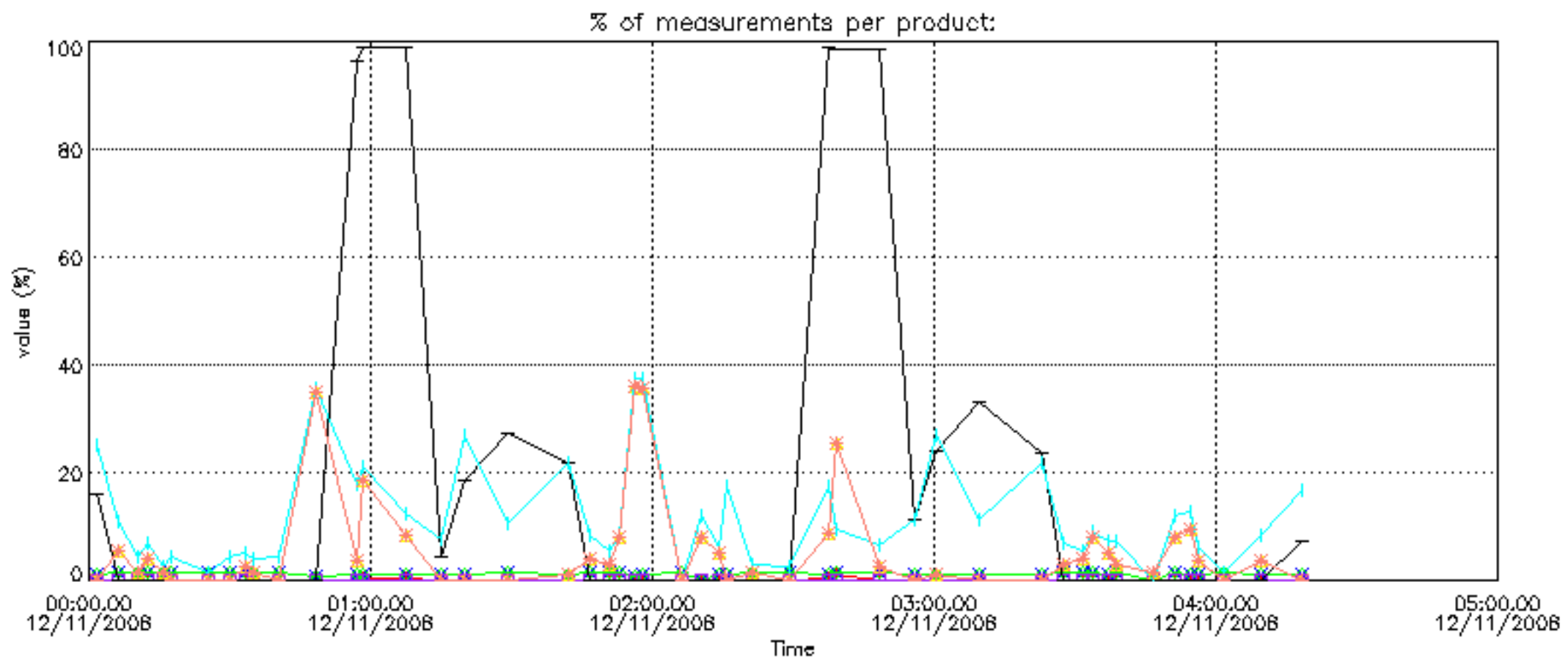
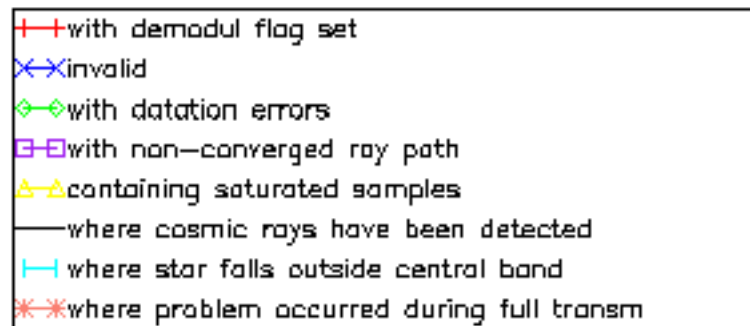
Type	Auxiliary Filename	Used since product	Used since product date
INST_PHYS_CHARACTERISTICS	GOM_INS_AXNIEC20050627_150713_20030716_120000_20100101_000000	1	12-NOV-2008 00:01:33
CALIBRATION_DATABASE	GOM_CAL_AXVIEC20081107_163108_20081101_000000_20100101_000000	1	12-NOV-2008 00:01:33
LEVEL-1B_PROC_CONFIG	GOM_PR1_AXNIEC20050627_151042_20020301_000000_20100101_000000	1	12-NOV-2008 00:01:33
STAR_CATALOGUE	GOM_CAT_AXVIEC20020121_161009_20020101_000000_20200101_000000	1	12-NOV-2008 00:01:33
STELLAR_SPECTRA_DATABANK	GOM_STS_AXNIEC20040308_103538_20020101_160000_20100101_000000	1	12-NOV-2008 00:01:33
ECMWF_FILE	AUX_ECF_AXNECM20081111_072110_20081111_210000_20081112_090000	1	12-NOV-2008 00:01:33
ECMWF_FILE	AUX_ECF_AXNECM20081111_190111_20081112_030000_20081112_150000	44	12-NOV-2008 03:51:03
OPTIONAL_ECMWF_FILE	MISSING	1	12-NOV-2008 00:01:33
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20081111_213146_000057382073_00415_35038_6748.N1	1	12-NOV-2008 00:01:33
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20081111_231243_000057382073_00416_35039_6749.N1	13	12-NOV-2008 00:56:58
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20081112_005340_000041442073_00417_35040_6750.N1	27	12-NOV-2008 02:14:00
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20081112_020803_000057382073_00418_35041_6751.N1	44	12-NOV-2008 03:51:03





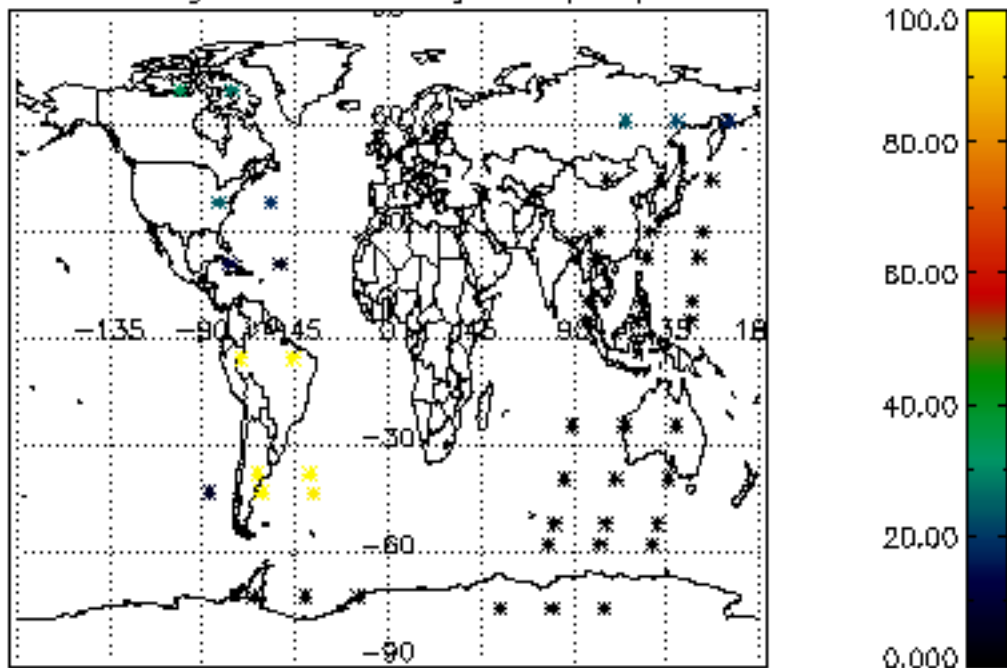




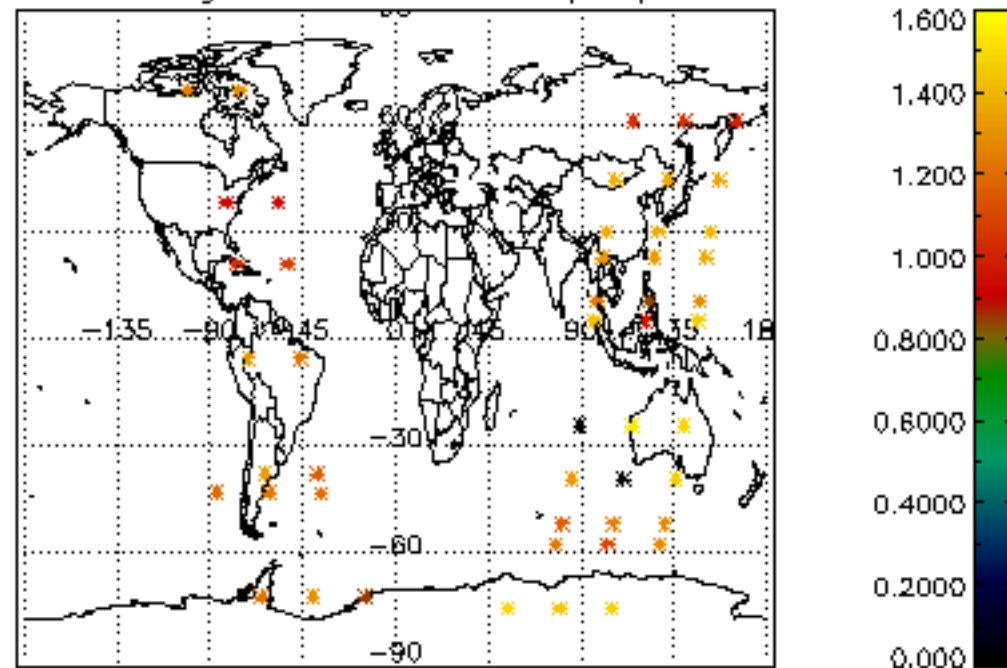




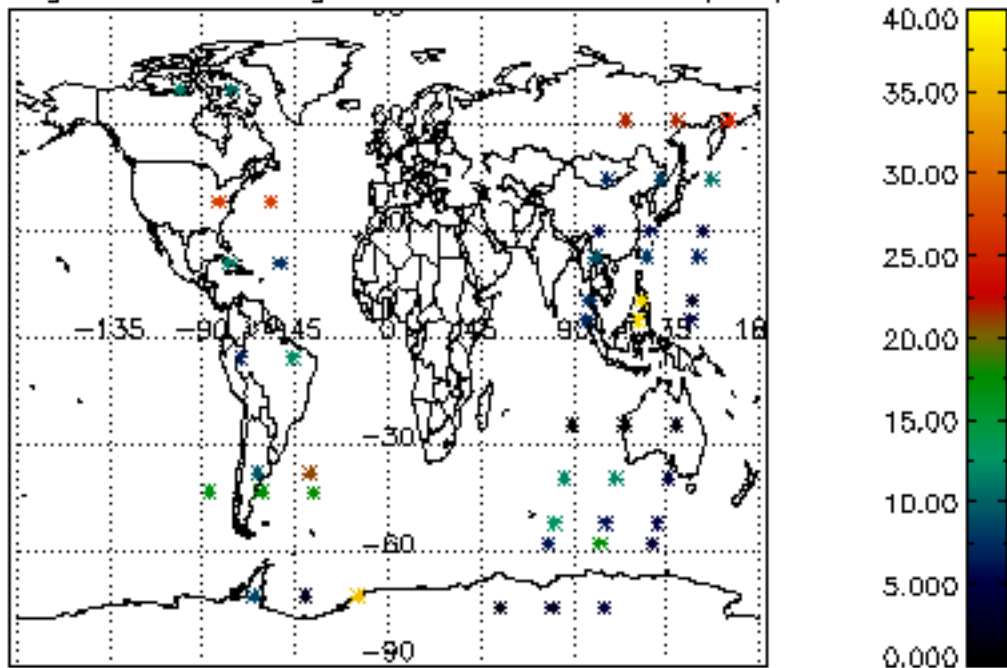
Percentage of cosmic ray hits per profile



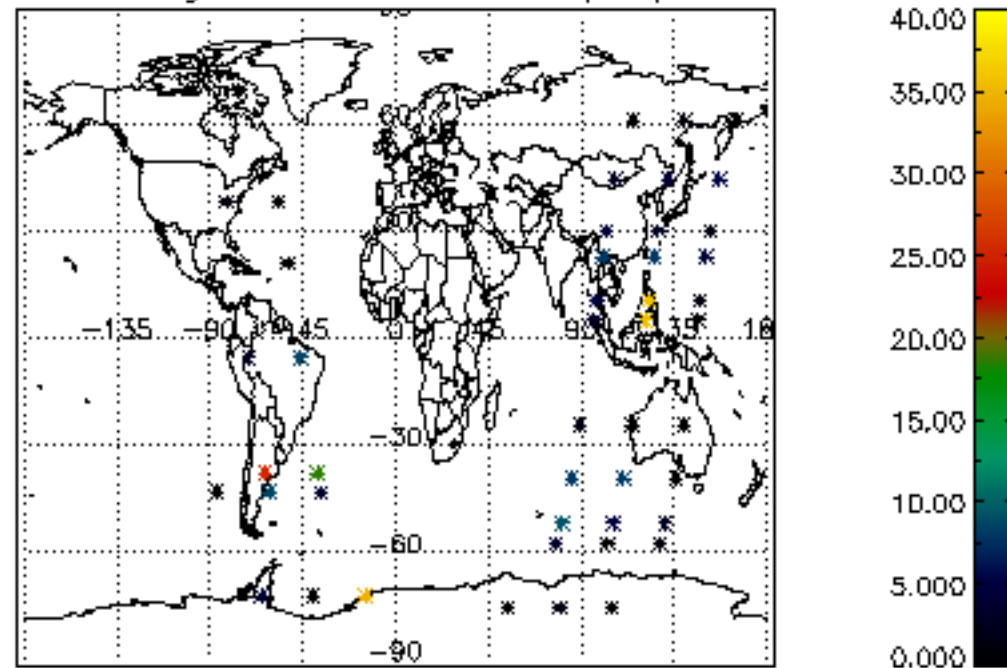
Percentage of datation errors per profile



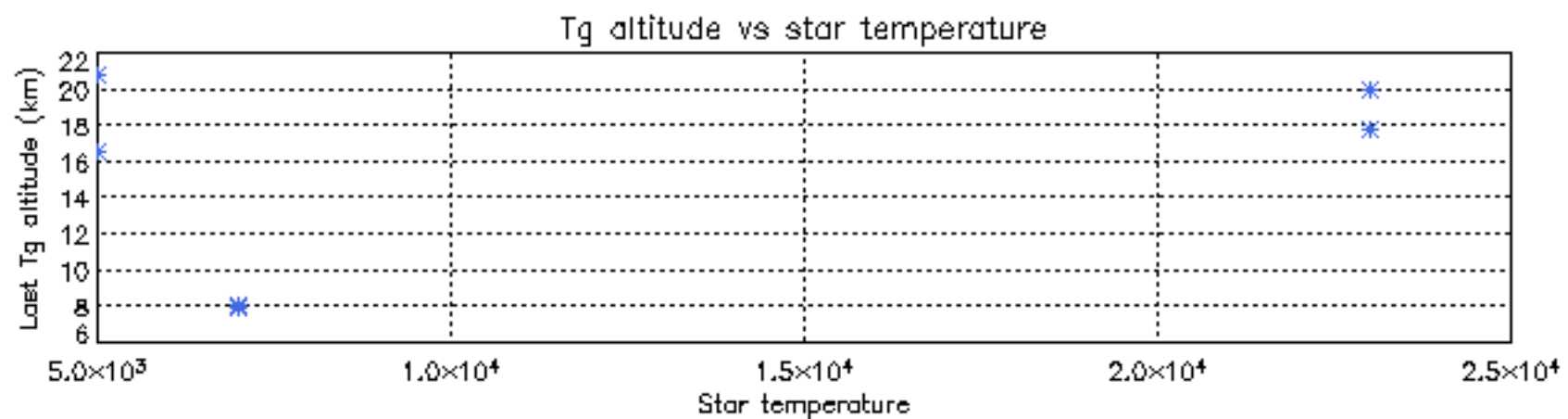
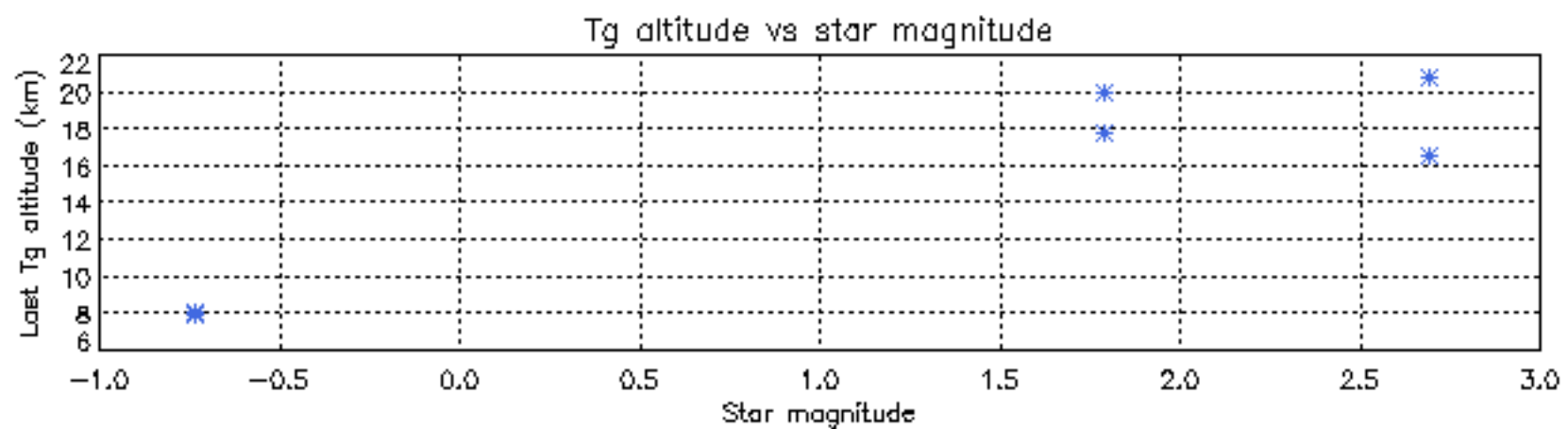
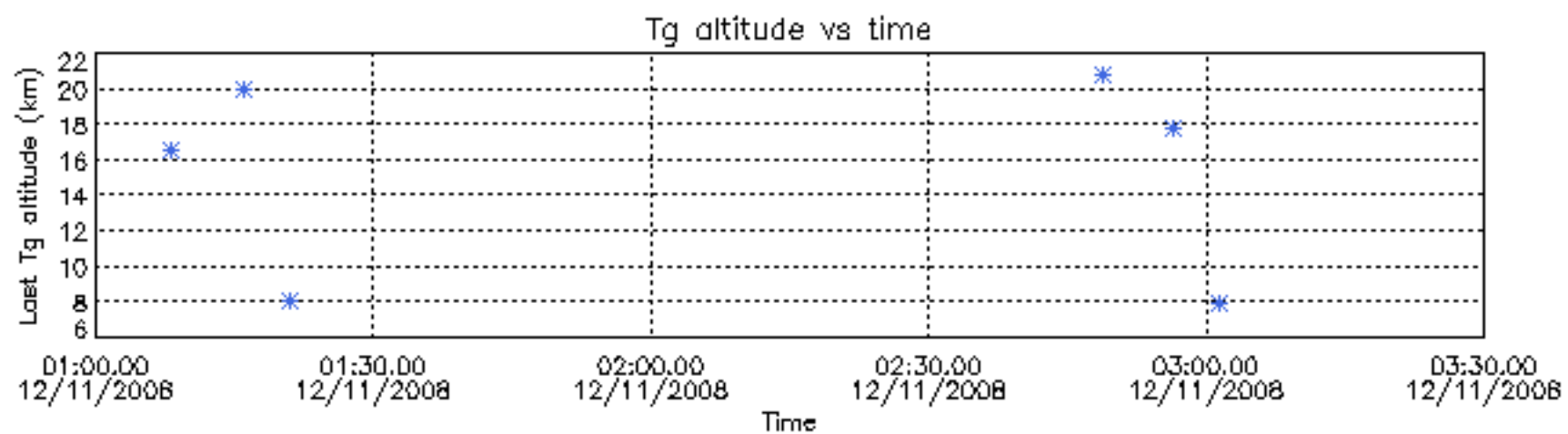
Percentage of star falling outside central band per profile



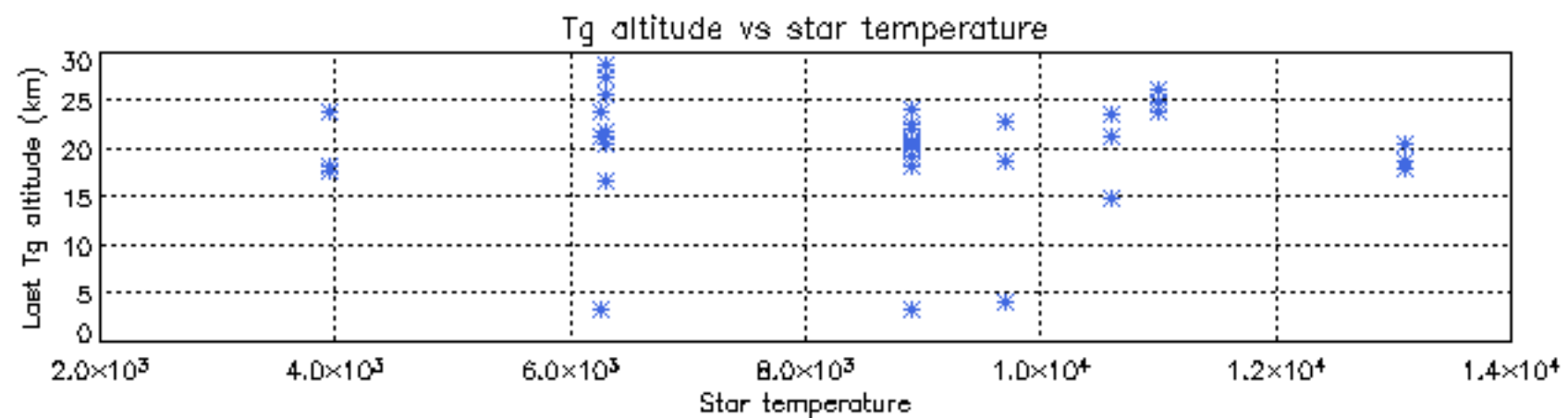
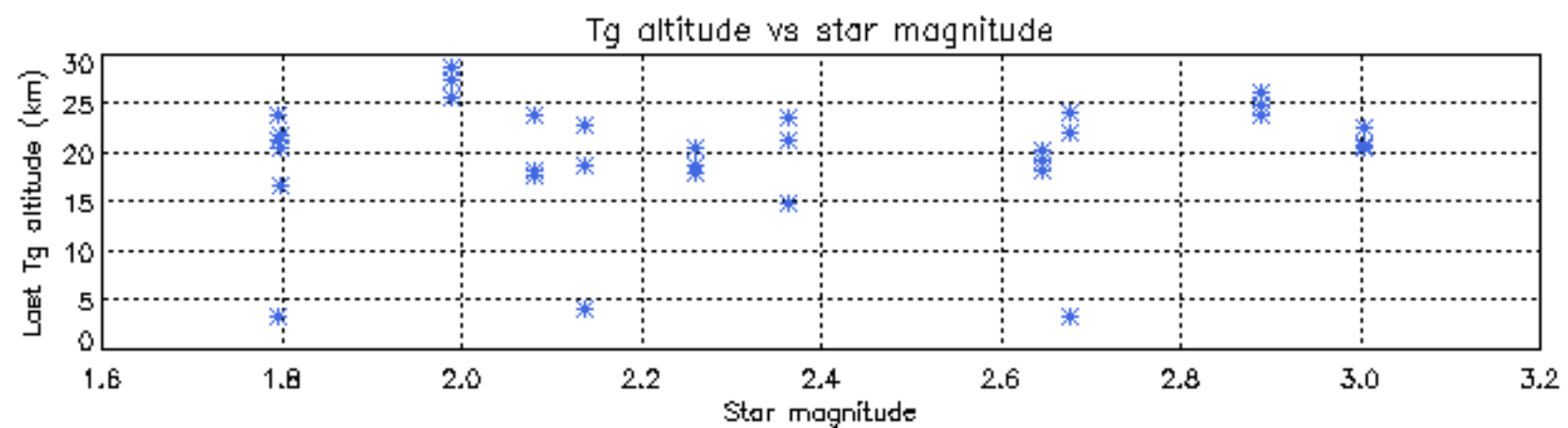
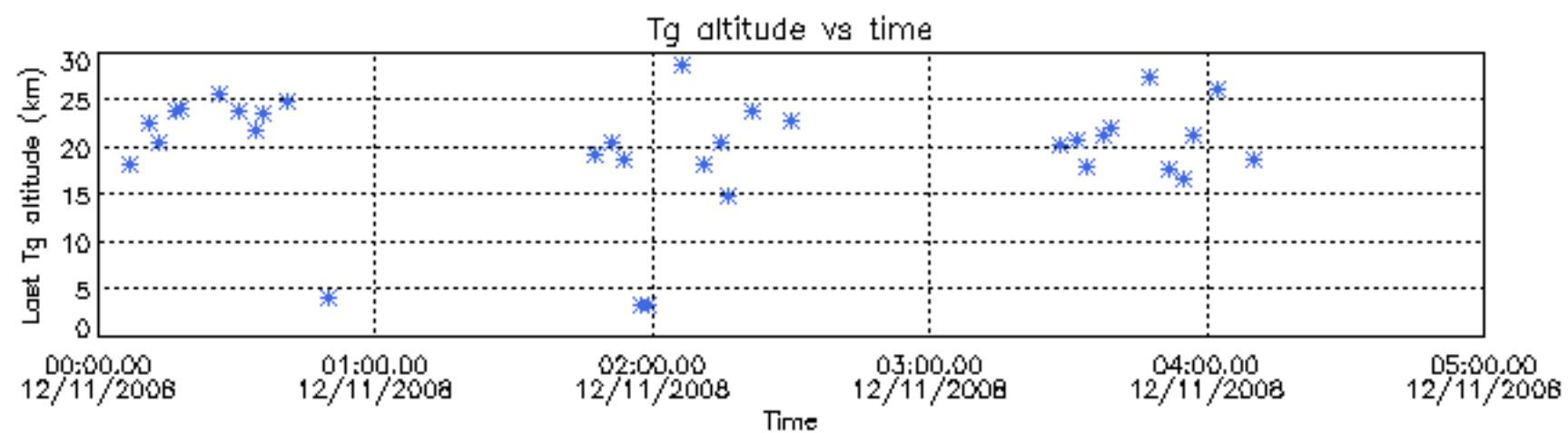
Percentage of saturation errors per profile



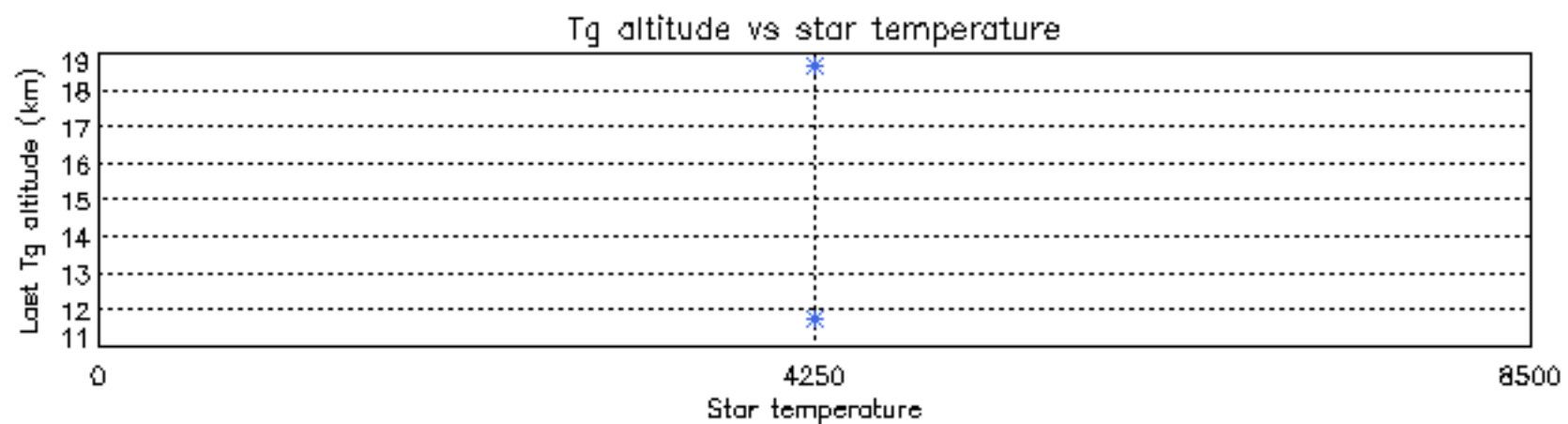
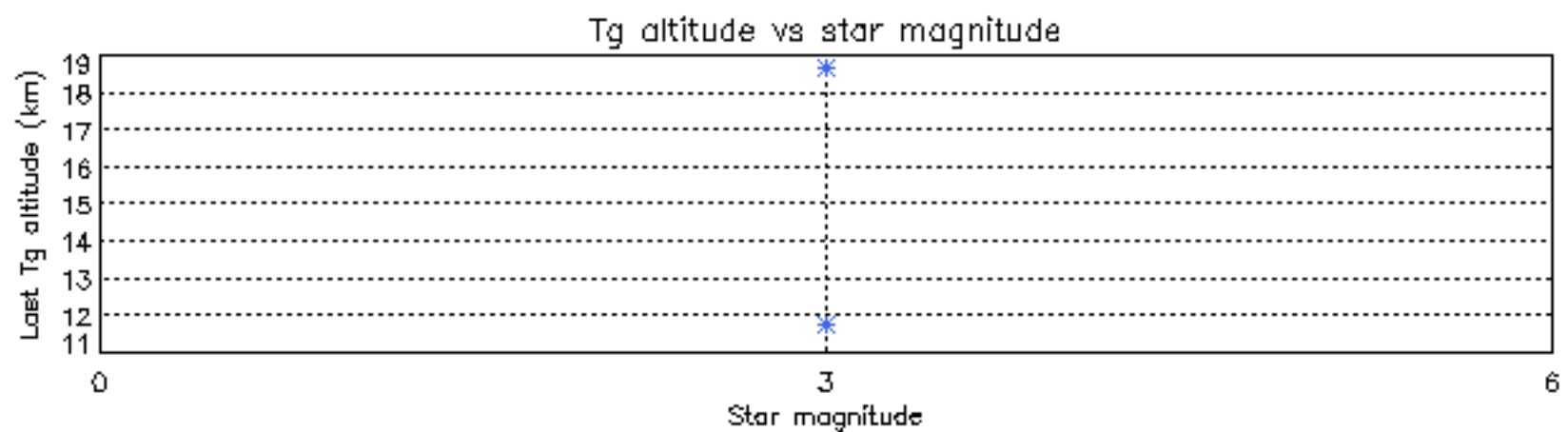
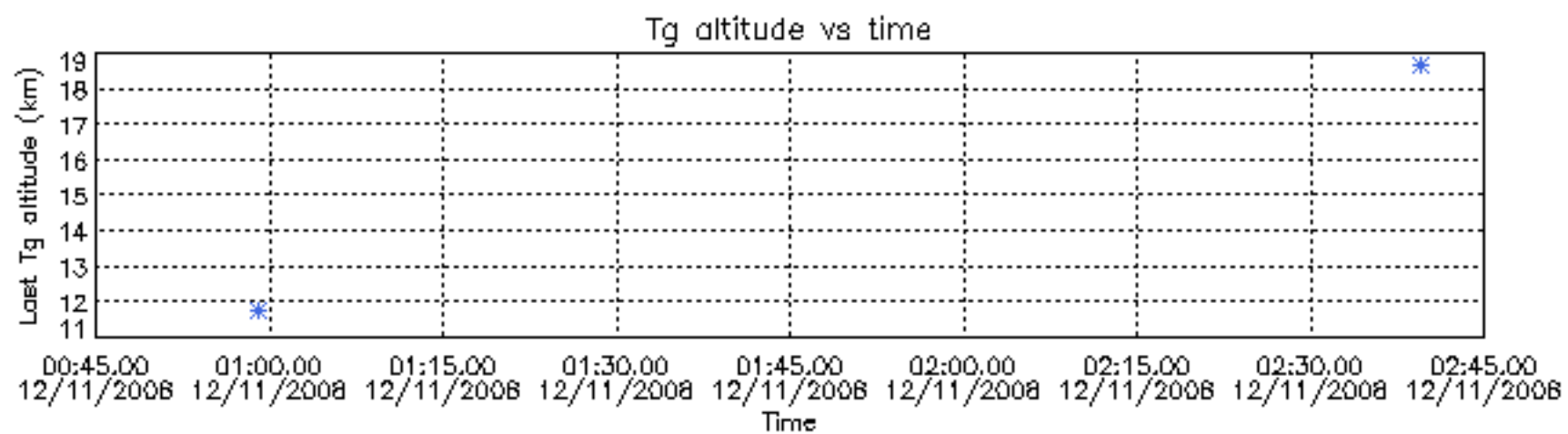
Tangent altitude at which the star is lost



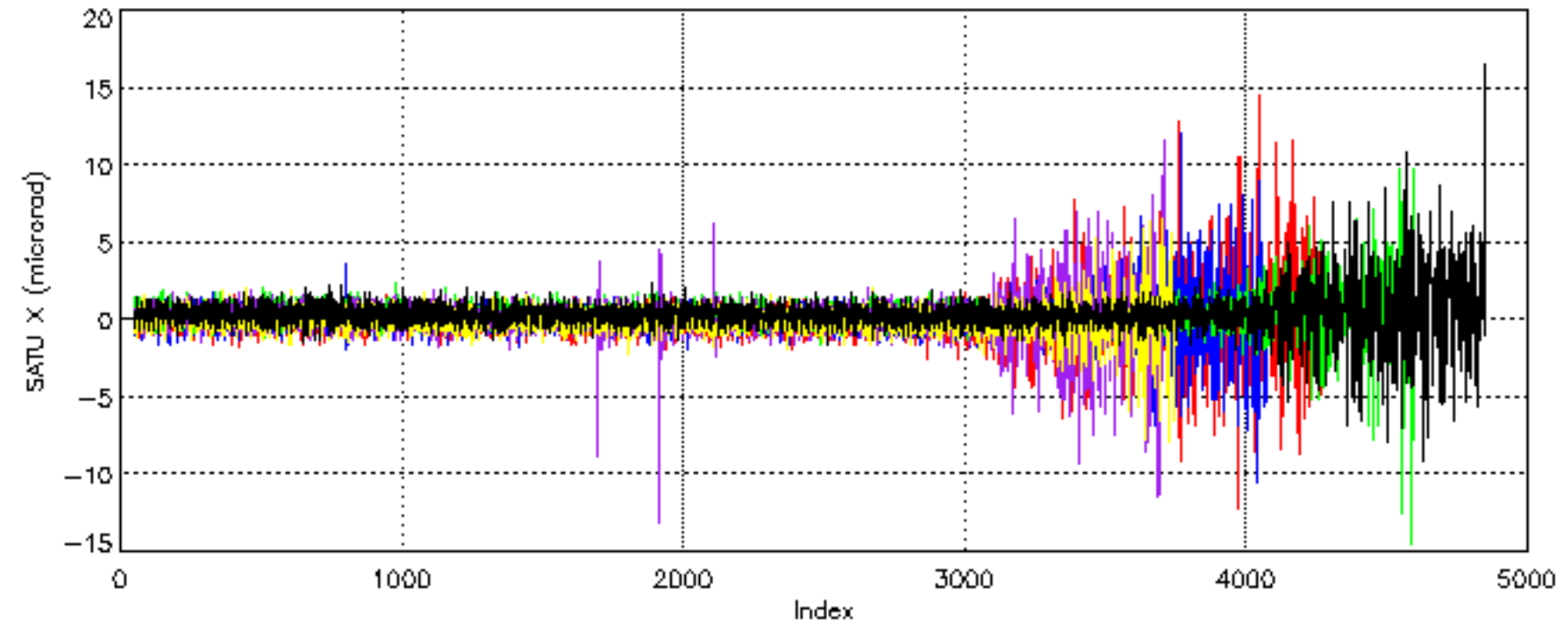
Tangent altitude at which the star is lost

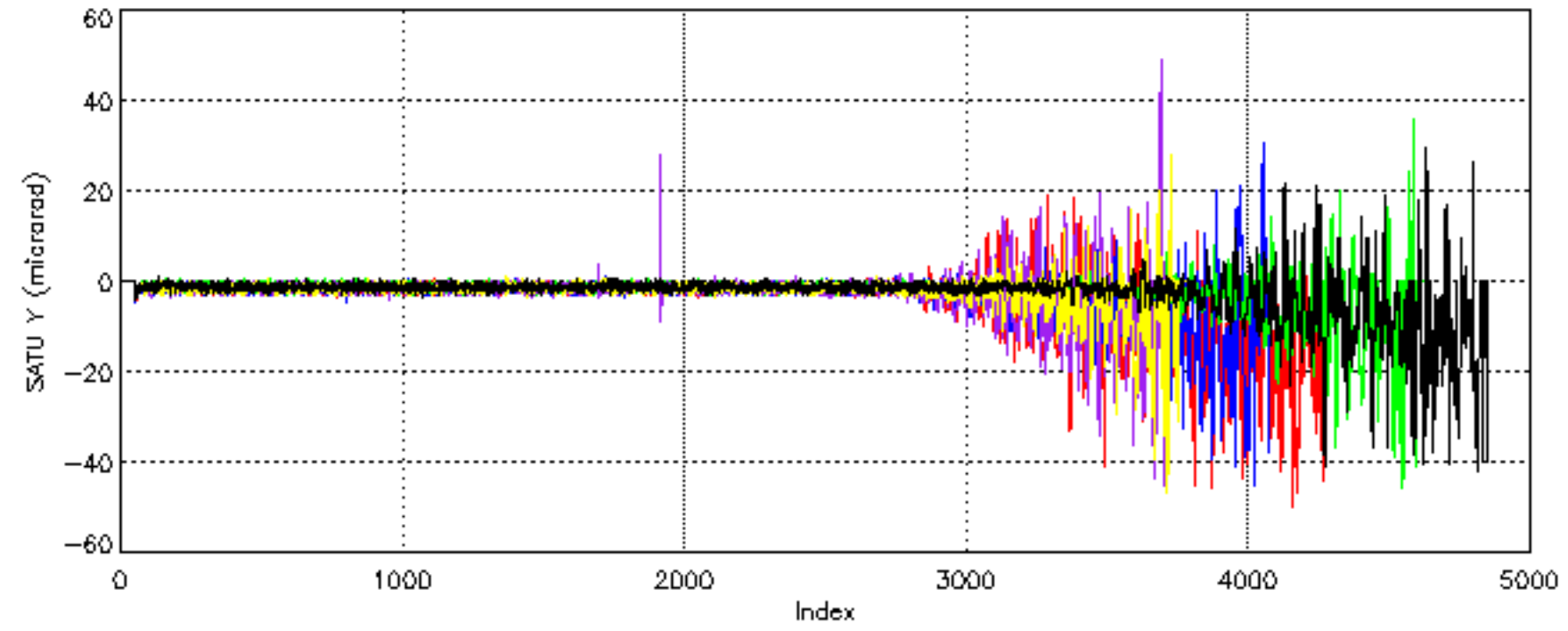


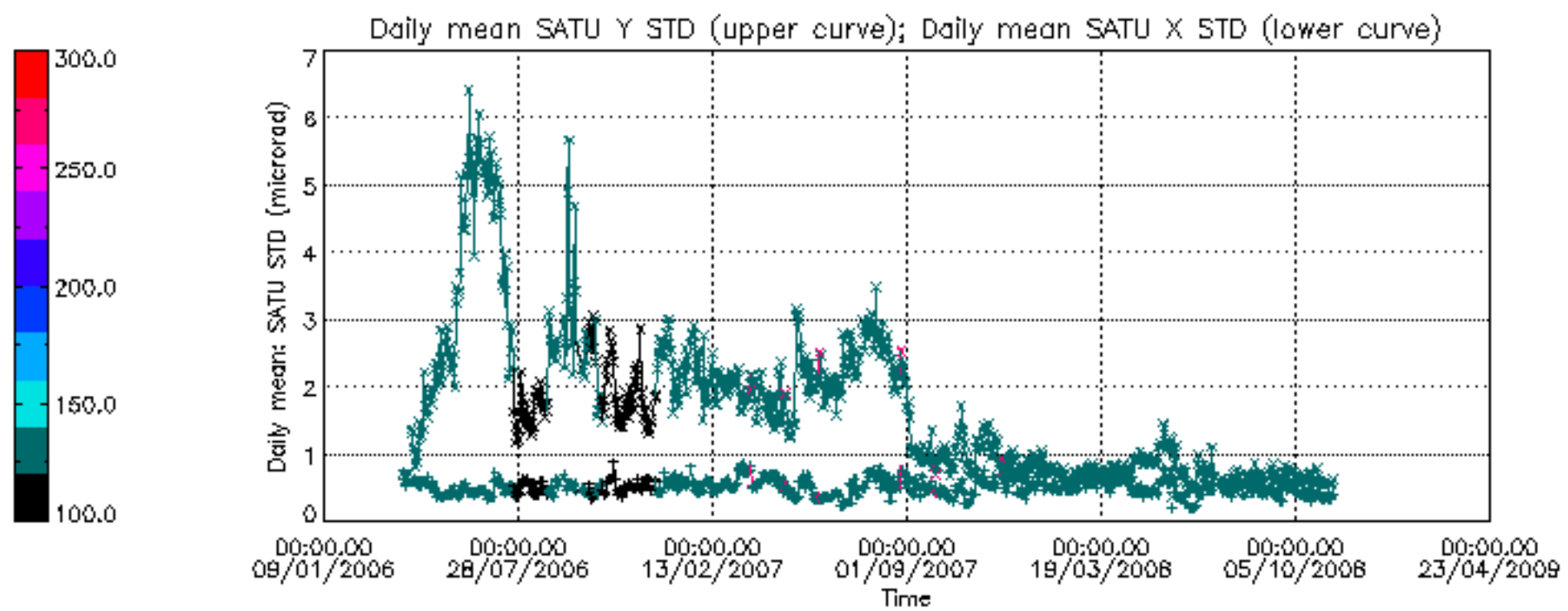
Tangent altitude at which the star is lost











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8; 145.7; 09-NOV-2008 02:46:26; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;34999
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15; 2636.2; 09-NOV-2008 03:27:57; Bright; 37.5; 73; 57Gam1And ; 2.26; 13100;occ; 75; 0;34999
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 6; 1181.1; 09-NOV-2008 23:10:53; Dark ; 39.0; 157; The1Eri ; 2.91; 9300;occ; 78; 0;35011
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3; -101.7; 10-NOV-2008 22:17:53; Dark ; 41.0; 113; Mu Vel ; 2.69; 5000;occ; 82; 0;35024
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5; 260.4; 10-NOV-2008 22:23:55; Dark ; 39.5; 29; Bet Car ; 1.67; 10200;occ; 79; 0;35025
6; 632.7; 10-NOV-2008 22:30:07; Dark ; 60.0; 2; Alp Car ;-0.74; 7000;occ; 120; 0;35025
7; 1184.7; 10-NOV-2008 22:39:19; Dark ; 39.5; 157; The1Eri ; 2.91; 9300;occ; 79; 0;35025
8; 1981.0; 10-NOV-2008 22:52:35; Dark ; 50.5; 94; 92Alp Cet ; 2.53; 3100;occ; 101; 0;35025
9; 2262.2; 10-NOV-2008 22:57:17; Bright; 37.5; 105; 6Bet Ari ; 2.64; 8900;occ; 75; 0;35025
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11; 2632.9; 10-NOV-2008 23:03:27; Bright; 38.0; 73; 57Gam1And ; 2.26; 13100;occ; 76; 0;35025
12; 2841.8; 10-NOV-2008 23:06:56; Bright; 38.5; 35; 33Alp Per ; 1.79; 6250;occ; 77; 0;35025
13; 2941.6; 10-NOV-2008 23:08:36; Bright; 42.0; 76; 27Gam Cas ; 2.30; 30000;occ; 84; 0;35025
14; 3422.7; 10-NOV-2008 23:16:37; Bright; 36.5; 49; 1Alp UMi ; 1.99; 6300;occ; 73; 0;35025
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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
17; 3991.5; 10-NOV-2008 23:26:06; Bright; 40.5; 82; 48Bet UMA ; 2.37; 10600;occ; 81; 0;35025
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19; 4321.6; 10-NOV-2008 23:31:36; Bright; 33.5; 152; 12Alp2CVn ; 2.89; 11000;occ; 67; 0;35025
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 7; 1184.9; 11-NOV-2008 00:19:55; Dark ; 38.5; 157; The1Eri ; 2.91; 9300;occ; 77; 0;35026  
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 9; 2262.2; 11-NOV-2008 00:37:53; Bright; 38.0; 105; 6Bet Ari ; 2.64; 8900;occ; 76; 0;35026  
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 11; 2632.7; 11-NOV-2008 00:44:03; Bright; 39.0; 73; 57Gam1And ; 2.26; 13100;occ; 78; 0;35026  
 12; 2841.4; 11-NOV-2008 00:47:32; Bright; 40.5; 35; 33Alp Per ; 1.79; 6250;occ; 81; 0;35026  
 13; 2930.0; 11-NOV-2008 00:49:00; Bright; 33.0; 110; 37Del Cas ; 2.68; 8900;occ; 66; 0;35026  
 14; 3422.7; 11-NOV-2008 00:57:13; Bright; 35.0; 49; 1Alp UMi ; 1.99; 6300;occ; 70; 0;35026  
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 16; 3893.4; 11-NOV-2008 01:05:04; Bright; 40.0; 36; 50Alp UMa ; 1.80; 6300;occ; 80; 0;35026  
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 18; 4226.9; 11-NOV-2008 01:10:37; Bright; 41.5; 174; 52Psi UMa ; 3.00; 4400;occ; 83; 0;35026  
 19; 4321.8; 11-NOV-2008 01:12:12; Bright; 34.5; 152; 12Alp2CVn ; 2.89; 11000;occ; 69; 0;35026  
 20; 4788.0; 11-NOV-2008 01:19:58; Bright; 38.0; 62; 94Bet Leo ; 2.14; 9700;occ; 76; 0;35026

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 4; -1808.5; 10-NOV-2008 06:44:03; Bright; 61.0; 174; 52Psi UMa ; 3.00; 4400;occ; 122; 0;35015  
 5; -1715.4; 10-NOV-2008 06:45:36; Bright; 34.5; 152; 12Alp2CVn ; 2.89; 11000;occ; 69; 0;35015  
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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  
 12; 1182.6; 10-NOV-2008 07:33:54; Dark ; 37.5; 157; The1Eri ; 2.91; 9300;occ; 75; 0;35016

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 3; 2510.2; 10-NOV-2008 07:56:01; Bright; 36.5; 173; 4Bet Tri ; 3.00; 8900;occ; 73; 0;35016  
 4; 2634.0; 10-NOV-2008 07:58:05; Bright; 37.0; 73; 57Gam1And ; 2.26; 13100;occ; 74; 0;35016  
 5; 2877.9; 10-NOV-2008 08:02:09; Bright; 37.0; 68; 18Alp Cas ; 2.22; 4500;occ; 74; 0;35016  
 6; 3422.8; 10-NOV-2008 08:11:14; Bright; 32.5; 49; 1Alp UMi ; 1.99; 6300;occ; 65; 0;35016  
 7; 3675.0; 10-NOV-2008 08:15:26; Bright; 35.5; 60; 7Bet UMi ; 2.08; 3950;occ; 71; 0;35016  
 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  
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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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15; 6197.0; 10-NOV-2008 10:38:04; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;35017
16; 6293.9; 10-NOV-2008 10:39:41; Dark ; 37.5; 29; Bet Car ; 1.67; 10200;occ; 75; 0;35017
17; 6663.5; 10-NOV-2008 10:45:51; Dark ; 47.5; 2; Alp Car ; -0.74; 7000;occ; 95; 0;35017
18; 7219.1; 10-NOV-2008 10:55:06; Dark ; 38.5; 157; The1Eri ; 2.91; 9300;occ; 77; 0;35017
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 4; 2633.8; 10-NOV-2008 11:19:17; Bright; 37.5; 73; 57Gam1And ; 2.26; 13100;occ; 75; 0;35018
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 6; 3422.7; 10-NOV-2008 11:32:26; Bright; 36.5; 49; 1Alp UMi ; 1.99; 6300;occ; 73; 0;35018
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 8; 3894.7; 10-NOV-2008 11:40:18; Bright; 39.0; 36; 50Alp UMa ; 1.80; 6300;occ; 78; 0;35018
 9; 3992.8; 10-NOV-2008 11:41:56; Bright; 41.5; 82; 48Bet UMa ; 2.37; 10600;occ; 83; 0;35018
10; 4227.4; 10-NOV-2008 11:45:50; Bright; 39.5; 174; 52Psi UMa ; 3.00; 4400;occ; 79; 0;35018
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 4; 2633.7; 10-NOV-2008 12:59:52; Bright; 36.5; 73; 57Gam1And ; 2.26; 13100;occ; 73; 0;35019
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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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13; 5387.8; 10-NOV-2008 17:06:59; Dark ; 42.5; 171; 2Eps Crv ; 3.00; 4250;occ; 85; 0;35021  
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16; 6295.5; 10-NOV-2008 17:22:06; Dark ; 38.0; 29; Bet Car ; 1.67; 10200;occ; 76; 0;35021  
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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  
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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  
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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  
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11; 3991.9; 10-NOV-2008 20:04:55; Bright; 37.5; 82; 48Bet UMA ; 2.37; 10600;occ; 75; 0;35023  
12; 4227.1; 10-NOV-2008 20:08:50; Bright; 41.0; 174; 52Psi UMA ; 3.00; 4400;occ; 82; 0;35023  
13; 4321.5; 10-NOV-2008 20:10:24; Bright; 34.5; 152; 12Alp2CVn ; 2.89; 11000;occ; 69; 0;35023  
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15; 5298.6; 10-NOV-2008 20:26:41; Dark ; 39.0; 100; 4Gam Crv ; 2.58; 13100;occ; 78; 0;35023  
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17; 5933.7; 10-NOV-2008 20:37:16; Dark ; 43.0; 113; Mu Vel ; 2.69; 5000;occ; 86; 0;35023  
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19; 6296.0; 10-NOV-2008 20:43:19; Dark ; 38.0; 29; Bet Car ; 1.67; 10200;occ; 76; 0;35023  
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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  
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11; 2632.7; 11-NOV-2008 02:24:39; Bright; 37.0; 73; 57Gam1And ; 2.26; 13100;occ; 74; 0;35027  
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13; 2930.0; 11-NOV-2008 02:29:36; Bright; 34.5; 110; 37Del Cas ; 2.68; 8900;occ; 69; 0;35027  
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3; -1808.8; 11-NOV-2008 02:51:13; Bright; 41.5; 174; 52Psi UMA ; 3.00; 4400;occ; 83; 0;35027
4; -1714.1; 11-NOV-2008 02:52:48; Bright; 34.5; 152; 12Alp2CVn ; 2.89; 11000;occ; 69; 0;35027
5; -1247.4; 11-NOV-2008 03:00:35; Bright; 39.0; 62; 94Bet Leo ; 2.14; 9700;occ; 78; 0;35027
6; -735.8; 11-NOV-2008 03:09:06; Dark ; 41.0; 100; 4Gam Crv ; 2.58; 13100;occ; 82; 0;35027
7; -645.9; 11-NOV-2008 03:10:36; Dark ; 42.0; 171; 2Eps Crv ; 3.00; 4250;occ; 84; 0;35027
8; -100.0; 11-NOV-2008 03:19:42; Dark ; 38.5; 113; Mu Vel ; 2.69; 5000;occ; 77; 0;35027
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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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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
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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
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16; 2508.7; 11-NOV-2008 05:43:47; Bright; 35.0; 173; 4Bet Tri ; 3.00; 8900;occ; 70; 0;35029
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19; 2930.1; 11-NOV-2008 05:50:48; Bright; 35.0; 110; 37Del Cas ; 2.68; 8900;occ; 70; 0;35029
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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
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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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1; 1976.4; 14-NOV-2008 10:42:27; Dark ; 47.5; 94; 92Alp Cet ; 2.53; 3100;occ; 95; 0;35075  
 2; 2263.7; 14-NOV-2008 10:47:14; Bright; 35.5; 105; 6Bet Ari ; 2.64; 8900;occ; 71; 0;35075  
 3; 2505.0; 14-NOV-2008 10:51:16; Bright; 35.5; 173; 4Bet Tri ; 3.00; 8900;occ; 71; 0;35075  
 4; 2628.9; 14-NOV-2008 10:53:19; Bright; 37.0; 73; 57Gam1And ; 2.26; 13100;occ; 74; 0;35075  
 5; 2821.3; 14-NOV-2008 10:56:32; Bright; 40.0; 35; 33Alp Per ; 1.79; 6250;occ; 80; 0;35075  
 6; 2930.8; 14-NOV-2008 10:58:21; Bright; 35.5; 110; 37Del Cas ; 2.68; 8900;occ; 71; 0;35075  
 7; 3422.6; 14-NOV-2008 11:06:33; Bright; 36.0; 49; 1Alp UMi ; 1.99; 6300;occ; 72; 0;35075  
 8; 3682.4; 14-NOV-2008 11:10:53; Bright; 37.0; 60; 7Bet UMi ; 2.08; 3950;occ; 74; 0;35075  
 9; 3884.5; 14-NOV-2008 11:14:15; Bright; 36.5; 36; 50Alp UMa ; 1.80; 6300;occ; 73; 0;35075  
 10; 3982.9; 14-NOV-2008 11:15:53; Bright; 39.0; 82; 48Bet UMa ; 2.37; 10600;occ; 78; 0;35075  
 11; 4118.6; 14-NOV-2008 11:18:09; Bright; 34.0; 39; 85Eta UMa ; 1.85; 24000;occ; 68; 0;35075  
 12; 4327.7; 14-NOV-2008 11:21:38; Bright; 35.0; 152; 12Alp2CVn ; 2.89; 11000;occ; 70; 0;35075  
 13; 4805.2; 14-NOV-2008 11:29:36; Bright; 44.5; 62; 94Bet Leo ; 2.14; 9700;occ; 89; 0;35075  
 14; 5018.9; 14-NOV-2008 11:33:10; Bright; 33.5; 121; 29Gam Vir ; 2.74; 7200;occ; 67; 0;35075  
 15; 5319.6; 14-NOV-2008 11:38:10; Dark ; 39.5; 100; 4Gam Crv ; 2.58; 13100;occ; 79; 0;35075  
 16; 5410.4; 14-NOV-2008 11:39:41; Dark ; 41.5; 171; 2Eps Crv ; 3.00; 4250;occ; 83; 0;35075  
 17; 5963.2; 14-NOV-2008 11:48:54; Dark ; 40.5; 113; Mu Vel ; 2.69; 5000;occ; 81; 0;35075  
 18; 6143.7; 14-NOV-2008 11:51:54; Dark ; 38.5; 124; The Car ; 2.76; 30000;occ; 77; 0;35075  
 19; 6245.0; 14-NOV-2008 11:53:36; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;35075  
 20; 6422.4; 14-NOV-2008 11:56:33; Dark ; 35.0; 34; Gam2Vel ; 1.79; 23000;occ; 70; 0;35075  
 21; 6703.7; 14-NOV-2008 12:01:14; Dark ; 50.5; 2; Alp Car ; -0.74; 7000;occ; 101; 0;35075  
 22; 7233.5; 14-NOV-2008 12:10:04; Dark ; 37.5; 157; The1Eri ; 2.91; 9300;occ; 75; 0;35075

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1; 1976.3; 14-NOV-2008 12:23:03; Dark ; 47.5; 94; 92Alp Cet ; 2.53; 3100;occ; 95; 0;35076  
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 4; 2628.9; 14-NOV-2008 12:33:55; Bright; 37.5; 73; 57Gam1And ; 2.26; 13100;occ; 75; 0;35076  
 5; 2820.8; 14-NOV-2008 12:37:07; Bright; 41.0; 35; 33Alp Per ; 1.79; 6250;occ; 82; 0;35076  
 6; 2930.8; 14-NOV-2008 12:38:57; Bright; 35.0; 110; 37Del Cas ; 2.68; 8900;occ; 70; 0;35076  
 7; 3422.5; 14-NOV-2008 12:47:09; Bright; 36.0; 49; 1Alp UMi ; 1.99; 6300;occ; 72; 0;35076  
 8; 3682.6; 14-NOV-2008 12:51:29; Bright; 35.0; 60; 7Bet UMi ; 2.08; 3950;occ; 70; 0;35076  
 9; 3884.3; 14-NOV-2008 12:54:51; Bright; 41.5; 36; 50Alp UMa ; 1.80; 6300;occ; 83; 0;35076  
 10; 3982.7; 14-NOV-2008 12:56:29; Bright; 40.0; 82; 48Bet UMa ; 2.37; 10600;occ; 80; 0;35076  
 11; 4118.8; 14-NOV-2008 12:58:45; Bright; 35.0; 39; 85Eta UMa ; 1.85; 24000;occ; 70; 0;35076  
 12; 4327.9; 14-NOV-2008 13:02:14; Bright; 34.0; 152; 12Alp2CVn ; 2.89; 11000;occ; 68; 0;35076  
 13; 4805.6; 14-NOV-2008 13:10:12; Bright; 39.5; 62; 94Bet Leo ; 2.14; 9700;occ; 79; 0;35076  
 14; 5019.3; 14-NOV-2008 13:13:46; Bright; 35.0; 121; 29Gam Vir ; 2.74; 7200;occ; 70; 0;35076  
 15; 5320.1; 14-NOV-2008 13:18:47; Dark ; 41.0; 100; 4Gam Crv ; 2.58; 13100;occ; 82; 0;35076  
 16; 5411.0; 14-NOV-2008 13:20:17; Dark ; 41.5; 171; 2Eps Crv ; 3.00; 4250;occ; 83; 0;35076  
 17; 5963.8; 14-NOV-2008 13:29:30; Dark ; 39.5; 113; Mu Vel ; 2.69; 5000;occ; 79; 0;35076  
 18; 6144.2; 14-NOV-2008 13:32:31; Dark ; 37.0; 124; The Car ; 2.76; 30000;occ; 74; 0;35076  
 19; 6245.9; 14-NOV-2008 13:34:12; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;35076  
 20; 6423.4; 14-NOV-2008 13:37:10; Dark ; 35.0; 34; Gam2Vel ; 1.79; 23000;occ; 70; 0;35076  
 21; 6704.4; 14-NOV-2008 13:41:51; Dark ; 52.5; 2; Alp Car ; -0.74; 7000;occ; 105; 0;35076  
 22; 7233.8; 14-NOV-2008 13:50:40; Dark ; 37.5; 157; The1Eri ; 2.91; 9300;occ; 75; 0;35076

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 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  
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 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  
 8; 3682.8; 14-NOV-2008 16:12:41; Bright; 37.0; 60; 7Bet UMi ; 2.08; 3950;occ; 74; 0;35078  
 9; 3884.1; 14-NOV-2008 16:16:02; Bright; 43.0; 36; 50Alp UMa ; 1.80; 6300;occ; 86; 0;35078  
 10; 3982.4; 14-NOV-2008 16:17:41; Bright; 43.0; 82; 48Bet UMa ; 2.37; 10600;occ; 86; 0;35078  
 11; 4119.2; 14-NOV-2008 16:19:57; Bright; 34.5; 39; 85Eta UMa ; 1.85; 24000;occ; 69; 0;35078  
 12; 4328.0; 14-NOV-2008 16:23:26; Bright; 38.0; 152; 12Alp2CVn ; 2.89; 11000;occ; 76; 0;35078  
 13; 4806.3; 14-NOV-2008 16:31:25; Bright; 40.5; 62; 94Bet Leo ; 2.14; 9700;occ; 81; 0;35078  
 14; 5019.9; 14-NOV-2008 16:34:58; Bright; 53.0; 121; 29Gam Vir ; 2.74; 7200;occ; 106; 0;35078  
 15; 5321.0; 14-NOV-2008 16:39:59; Dark ; 41.5; 100; 4Gam Crv ; 2.58; 13100;occ; 83; 0;35078  
 16; 5411.9; 14-NOV-2008 16:41:30; Dark ; 40.5; 171; 2Eps Crv ; 3.00; 4250;occ; 81; 0;35078  
 17; 5965.1; 14-NOV-2008 16:50:43; Dark ; 46.0; 113; Mu Vel ; 2.69; 5000;occ; 92; 0;35078

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1; 422.2; 14-NOV-2008 18:39:32; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;35080  
 2; 600.3; 14-NOV-2008 18:42:31; Dark ; 101.5; 132; 15Rho Pup ; 2.80; 6900;occ; 203; 0;35080  
 3; 788.8; 14-NOV-2008 18:45:39; Dark ; 81.0; 88; 31Eta CMa ; 2.45; 20000;occ; 162; 0;35080  
 4; 927.0; 14-NOV-2008 18:47:57; Dark ; 80.5; 23; 21Eps CMa ; 1.50; 26000;occ; 161; 0;35080

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 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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10; 1796.5; 15-NOV-2008 03:25:26; Dark ; 88.5; 7; 19Bet Ori ; 0.10; 14000;occ; 177; 0;35085
11; 1921.9; 15-NOV-2008 03:27:32; Dark ; 48.0; 125; 44Iot Ori ; 2.77; 30000;occ; 96; 0;35085
12; 2364.7; 15-NOV-2008 03:34:54; Bright; 62.0; 13; 87Alp Tau ; 0.87; 3800;occ; 124; 0;35085
13; 2559.2; 15-NOV-2008 03:38:09; Bright; 44.0; 150; 44Zet Per ; 2.89; 28000;occ; 88; 0;35085
14; 2782.1; 15-NOV-2008 03:41:52; Bright; 59.0; 114; 3Iot Aur ; 2.69; 4600;occ; 118; 0;35085
15; 3039.3; 15-NOV-2008 03:46:09; Bright; 57.0; 6; 13Alp Aur ; 0.08; 3400;occ; 114; 0;35085
16; 3222.9; 15-NOV-2008 03:49:13; Bright; 61.0; 42; 34Bet Aur ; 1.90; 10200;occ; 122; 0;35085
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 2; -906.7; 15-NOV-2008 04:20:59; Dark ; 82.5; 22; 32Alp Leo ; 1.36; 15200;occ; 165; 0;35085
 3; -116.1; 15-NOV-2008 04:34:10; Dark ; 110.0; 48; 30Alp Hya ; 1.98; 4100;occ; 220; 0;35085
 4; 434.3; 15-NOV-2008 04:43:20; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;35086
 5; 691.7; 15-NOV-2008 04:47:37; Dark ; 66.0; 117; Pi Pup ; 2.71; 3800;occ; 132; 0;35086
 6; 797.9; 15-NOV-2008 04:49:24; Dark ; 77.5; 88; 31Eta CMa ; 2.45; 20000;occ; 155; 0;35086
 7; 934.6; 15-NOV-2008 04:51:40; Dark ; 81.0; 23; 21Eps CMa ; 1.50; 26000;occ; 162; 0;35086
 8; 1077.0; 15-NOV-2008 04:54:03; Dark ; 52.5; 108; Alp Col ; 2.65; 15200;occ; 105; 0;35086
 9; 1452.1; 15-NOV-2008 05:00:18; Dark ; 38.0; 47; 2Bet CMa ; 1.98; 28000;occ; 76; 0;35086
10; 1795.9; 15-NOV-2008 05:06:02; Dark ; 87.0; 7; 19Bet Ori ; 0.10; 14000;occ; 174; 0;35086
11; 1921.1; 15-NOV-2008 05:08:07; Dark ; 54.0; 125; 44Iot Ori ; 2.77; 30000;occ; 108; 0;35086
12; 2363.7; 15-NOV-2008 05:15:29; Bright; 62.5; 13; 87Alp Tau ; 0.87; 3800;occ; 125; 0;35086
13; 2558.7; 15-NOV-2008 05:18:44; Bright; 43.0; 150; 44Zet Per ; 2.89; 28000;occ; 86; 0;35086
14; 2781.0; 15-NOV-2008 05:22:27; Bright; 58.5; 114; 3Iot Aur ; 2.69; 4600;occ; 117; 0;35086
15; 3038.3; 15-NOV-2008 05:26:44; Bright; 60.5; 6; 13Alp Aur ; 0.08; 3400;occ; 121; 0;35086
16; 3221.5; 15-NOV-2008 05:29:47; Bright; 62.0; 42; 34Bet Aur ; 1.90; 10200;occ; 124; 0;35086
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 2; -905.3; 15-NOV-2008 06:01:36; Dark ; 92.0; 22; 32Alp Leo ; 1.36; 15200;occ; 184; 0;35086
 3; -113.0; 15-NOV-2008 06:14:49; Dark ; 114.5; 48; 30Alp Hya ; 1.98; 4100;occ; 229; 0;35086
 4; 436.3; 15-NOV-2008 06:23:58; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;35087
 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
16; 3219.9; 15-NOV-2008 07:10:22; Bright; 62.5; 42; 34Bet Aur ; 1.90; 10200;occ; 125; 0;35087
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 3; 1082.8; 15-NOV-2008 19:59:32; Dark ; 54.5; 108; Alp Col ; 2.65; 15200;occ; 109; 0;35095
 4; 1455.0; 15-NOV-2008 20:05:44; Dark ; 54.0; 47; 2Bet CMa ; 1.98; 28000;occ; 108; 0;35095
 5; 1792.7; 15-NOV-2008 20:11:22; Dark ; 82.0; 7; 19Bet Ori ; 0.10; 14000;occ; 164; 0;35095
 6; 1913.3; 15-NOV-2008 20:13:22; Dark ; 80.0; 125; 44Iot Ori ; 2.77; 30000;occ; 160; 0;35095
 7; 2355.7; 15-NOV-2008 20:20:45; Bright; 62.0; 13; 87Alp Tau ; 0.87; 3800;occ; 124; 0;35095
 8; 2769.9; 15-NOV-2008 20:27:39; Bright; 59.0; 114; 3Iot Aur ; 2.69; 4600;occ; 118; 0;35095
 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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 3; 454.4; 15-NOV-2008 21:29:39; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;35096
 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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15; 4742.4; 15-NOV-2008 22:41:07; Bright; 47.5; 96; 68Del Leo ; 2.56; 9300;occ; 95; 0;35096
16; 4851.8; 15-NOV-2008 22:42:57; Dark ; 106.5; 166; 17Eps Leo ; 2.98; 6000;occ; 213; 0;35096
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 2; 456.4; 15-NOV-2008 23:10:17; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;35097
 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
 9; 1911.5; 15-NOV-2008 23:34:32; Dark ; 86.0; 125; 44Iot Ori ; 2.77; 30000;occ; 172; 0;35097
10; 2353.8; 15-NOV-2008 23:41:55; Bright; 62.0; 13; 87Alp Tau ; 0.87; 3800;occ; 124; 0;35097
11; 2767.6; 15-NOV-2008 23:48:48; Bright; 58.5; 114; 3Iot Aur ; 2.69; 4600;occ; 117; 0;35097
12; 3026.6; 15-NOV-2008 23:53:07; Bright; 55.5; 6; 13Alp Aur ; 0.08; 3400;occ; 111; 0;35097
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
16; 5146.4; 16-NOV-2008 00:28:27; Dark ; 88.0; 22; 32Alp Leo ; 1.36; 15200;occ; 176; 0;35097
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 2; -903.9; 15-NOV-2008 07:42:14; Dark ; 89.0; 22; 32Alp Leo ; 1.36; 15200;occ; 178; 0;35087
 3; -110.0; 15-NOV-2008 07:55:28; Dark ; 131.5; 48; 30Alp Hya ; 1.98; 4100;occ; 263; 0;35087
 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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 2; 1919.2; 15-NOV-2008 08:29:17; Dark ; 61.0; 125; 44Iot Ori ; 2.77; 30000;occ; 122; 0;35088
 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
17; 7488.9; 15-NOV-2008 10:02:07; Dark ; 41.5; 47; 2Bet CMa ; 1.98; 28000;occ; 83; 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  
 6; 3034.0; 15-NOV-2008 12:09:03; Bright; 69.5; 6; 13Alp Aur ; 0.08; 3400;occ; 139; 0;35090  
 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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 2; 1794.1; 15-NOV-2008 13:28:59; Dark ; 83.5; 7; 19Bet Ori ; 0.10; 14000;occ; 167; 0;35091  
 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  
 11; 5938.2; 15-NOV-2008 14:38:03; Dark ; 116.5; 48; 30Alp Hya ; 1.98; 4100;occ; 233; 0;35091  
 12; 6482.3; 15-NOV-2008 14:47:07; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;35091  
 13; 6734.7; 15-NOV-2008 14:51:20; Dark ; 77.0; 117; Pi Pup ; 2.71; 3800;occ; 154; 0;35091  
 14; 6843.0; 15-NOV-2008 14:53:08; Dark ; 79.0; 88; 31Eta CMA ; 2.45; 20000;occ; 158; 0;35091  
 15; 6978.0; 15-NOV-2008 14:55:23; Dark ; 80.0; 23; 21Eps CMA ; 1.50; 26000;occ; 160; 0;35091  
 16; 7116.9; 15-NOV-2008 14:57:42; Dark ; 51.5; 108; Alp Col ; 2.65; 15200;occ; 103; 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  
 8; 4740.9; 15-NOV-2008 15:58:42; Bright; 45.5; 96; 68Del Leo ; 2.56; 9300;occ; 91; 0;35092  
 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  
 16; 7117.5; 15-NOV-2008 16:38:19; Dark ; 53.5; 108; Alp Col ; 2.65; 15200;occ; 107; 0;35092

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3; 460.4; 16-NOV-2008 02:31:33; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;35099
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6; 708.2; 16-NOV-2008 04:16:17; Dark ; 65.5; 117; Pi Pup ; 2.71; 3800;occ; 131; 0;35100
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9; 1086.0; 16-NOV-2008 04:22:35; Dark ; 52.0; 108; Alp Col ; 2.65; 15200;occ; 104; 0;35100
10; 1456.7; 16-NOV-2008 04:28:45; Dark ; 66.0; 47; 2Bet CMA ; 1.98; 28000;occ; 132; 0;35100
11; 1791.0; 16-NOV-2008 04:34:20; Dark ; 84.5; 7; 19Bet Ori ; 0.10; 14000;occ; 169; 0;35100
12; 1909.2; 16-NOV-2008 04:36:18; Dark ; 93.0; 125; 44Iot Ori ; 2.77; 30000;occ; 186; 0;35100
13; 2297.9; 16-NOV-2008 04:42:46; Bright; 26.0; 27; 24Gam Ori ; 1.64; 26000;occ; 52; 0;35100
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15; 2764.2; 16-NOV-2008 04:50:33; Bright; 59.0; 114; 3Iot Aur ; 2.69; 4600;occ; 118; 0;35100
16; 3023.6; 16-NOV-2008 04:54:52; Bright; 57.0; 6; 13Alp Aur ; 0.08; 3400;occ; 114; 0;35100
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5; 709.4; 16-NOV-2008 05:56:54; Dark ; 61.5; 117; Pi Pup ; 2.71; 3800;occ; 123; 0;35101
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7; 953.1; 16-NOV-2008 06:00:58; Dark ; 77.0; 23; 21Eps CMa ; 1.50; 26000;occ; 154; 0;35101
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9; 1457.0; 16-NOV-2008 06:09:22; Dark ; 66.0; 47; 2Bet CMa ; 1.98; 28000;occ; 132; 0;35101
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13; 2350.4; 16-NOV-2008 06:24:15; Bright; 59.5; 13; 87Alp Tau ; 0.87; 3800;occ; 119; 0;35101
14; 2763.0; 16-NOV-2008 06:31:08; Bright; 57.5; 114; 3Iot Aur ; 2.69; 4600;occ; 115; 0;35101
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4; 466.4; 16-NOV-2008 07:33:27; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;35102
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6; 821.8; 16-NOV-2008 07:39:22; Dark ; 77.5; 88; 31Eta CMa ; 2.45; 20000;occ; 155; 0;35102
7; 954.3; 16-NOV-2008 07:41:35; Dark ; 79.5; 23; 21Eps CMa ; 1.50; 26000;occ; 159; 0;35102
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3; 992.5; 18-NOV-2008 15:01:58; Dark ; 81.0; 23; 21Eps CMA ; 1.50; 26000;occ; 162; 0;35135
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2; 1166.1; 20-NOV-2008 20:44:02; Dark ; 89.0; 179; 240mi2CMA ; 3.03; 24000;occ; 178; 0;35167
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4; 1772.6; 20-NOV-2008 20:54:09; Dark ; 71.0; 7; 19Bet Ori ; 0.10; 14000;occ; 142; 0;35167
5; 2017.9; 20-NOV-2008 20:58:14; Dark ; 89.0; 30; 46Eps Ori ; 1.69; 30000;occ; 178; 0;35167
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7; 2693.5; 20-NOV-2008 21:09:30; Bright; 53.5; 114; 3Iot Aur ; 2.69; 4600;occ; 107; 0;35167
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9; 3114.0; 20-NOV-2008 21:16:30; Bright; 59.0; 42; 34Bet Aur ; 1.90; 10200;occ; 118; 0;35167
10; 4214.4; 20-NOV-2008 21:34:50; Bright; 47.0; 174; 52Psi UMa ; 3.00; 4400;occ; 94; 0;35167
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4; 1027.7; 20-NOV-2008 22:22:20; Dark ; 75.0; 23; 21Eps CMA ; 1.50; 26000;occ; 150; 0;35168
5; 1166.8; 20-NOV-2008 22:24:39; Dark ; 87.5; 179; 240mi2CMA ; 3.03; 24000;occ; 175; 0;35168
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12; 3112.8; 20-NOV-2008 22:57:05; Bright; 56.5; 42; 34Bet Aur ; 1.90; 10200;occ; 113; 0;35168
13; 4214.3; 20-NOV-2008 23:15:26; Bright; 47.0; 174; 52Psi UMa ; 3.00; 4400;occ; 94; 0;35168
14; 4774.5; 20-NOV-2008 23:24:46; Bright; 54.5; 96; 68Del Leo ; 2.56; 9300;occ; 109; 0;35168
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4; 1028.7; 21-NOV-2008 00:02:57; Dark ; 74.0; 23; 21Eps CMA ; 1.50; 26000;occ; 148; 0;35169
5; 1167.7; 21-NOV-2008 00:05:16; Dark ; 90.0; 179; 240mi2CMA ; 3.03; 24000;occ; 180; 0;35169
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7; 1018.2; 20-NOV-2008 07:16:47; Dark ; 75.0; 23; 21Eps CMA ; 1.50; 26000;occ; 150; 0;35159
8; 1157.5; 20-NOV-2008 07:19:06; Dark ; 91.5; 179; 240mi2CMA ; 3.03; 24000;occ; 183; 0;35159
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3; 2306.3; 20-NOV-2008 07:38:15; Bright; 57.0; 13; 87Alp Tau ; 0.87; 3800;occ; 114; 0;35159
4; 2701.0; 20-NOV-2008 07:44:50; Bright; 52.5; 114; 3Iot Aur ; 2.69; 4600;occ; 105; 0;35159
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12; 6811.7; 20-NOV-2008 08:53:20; Dark ; 62.5; 117; Pi Pup ; 2.71; 3800;occ; 125; 0;35159
13; 7055.2; 20-NOV-2008 08:57:24; Dark ; 82.0; 23; 21Eps CMA ; 1.50; 26000;occ; 164; 0;35159
14; 7194.3; 20-NOV-2008 08:59:43; Dark ; 91.5; 179; 240mi2CMA ; 3.03; 24000;occ; 183; 0;35159
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5; 2965.1; 20-NOV-2008 09:29:50; Bright; 52.0; 6; 13Alp Aur ; 0.08; 3400;occ; 104; 0;35160
6; 3122.7; 20-NOV-2008 09:32:27; Bright; 55.5; 42; 34Bet Aur ; 1.90; 10200;occ; 111; 0;35160
7; 4215.5; 20-NOV-2008 09:50:40; Bright; 46.0; 174; 52Psi UMa ; 3.00; 4400;occ; 92; 0;35160
8; 4770.5; 20-NOV-2008 09:59:55; Bright; 53.0; 96; 68Del Leo ; 2.56; 9300;occ; 106; 0;35160
9; 4928.9; 20-NOV-2008 10:02:33; Dark ; 102.0; 51; 41Gam1Leo ; 2.01; 4500;occ; 204; 0;35160
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8; 4771.4; 20-NOV-2008 13:21:08; Bright; 52.5; 96; 68Del Leo ; 2.56; 9300;occ; 105; 0;35162
9; 4931.1; 20-NOV-2008 13:23:47; Dark ; 102.5; 51; 41Gam1Leo ; 2.01; 4500;occ; 205; 0;35162
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11; 6621.8; 20-NOV-2008 13:51:58; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;35162
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13; 7058.3; 20-NOV-2008 13:59:14; Dark ; 78.5; 23; 21Eps CMA ; 1.50; 26000;occ; 157; 0;35162
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3; 2021.4; 20-NOV-2008 14:15:53; Dark ; 89.0; 30; 46Eps Ori ; 1.69; 30000;occ; 178; 0;35163
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5; 2697.2; 20-NOV-2008 14:27:09; Bright; 53.0; 114; 3Iot Aur ; 2.69; 4600;occ; 106; 0;35163
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7; 3119.0; 20-NOV-2008 14:34:11; Bright; 59.5; 42; 34Bet Aur ; 1.90; 10200;occ; 119; 0;35163
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2; -1229.1; 25-NOV-2008 04:01:15; Bright; 59.0; 96; 68Del Leo ; 2.56; 9300;occ; 118; 0;35228
3; -1015.4; 25-NOV-2008 04:04:49; Dark ; 64.0; 51; 41Gam1Leo ; 2.01; 4500;occ; 128; 0;35228
4; 123.8; 25-NOV-2008 04:23:48; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;35229
5; 624.0; 25-NOV-2008 04:32:08; Dark ; 53.5; 70; Zet Pup ; 2.25; 39000;occ; 107; 0;35229
6; 847.0; 25-NOV-2008 04:35:51; Dark ; 64.5; 117; Pi Pup ; 2.71; 3800;occ; 129; 0;35229
7; 1085.0; 25-NOV-2008 04:39:49; Dark ; 73.0; 23; 21Eps CMa ; 1.50; 26000;occ; 146; 0;35229
8; 1220.9; 25-NOV-2008 04:42:05; Dark ; 80.0; 179; 240mi2CMa ; 3.03; 24000;occ; 160; 0;35229
9; 1520.0; 25-NOV-2008 04:47:04; Dark ; 110.0; 1; 9Alp CMa ; -1.44; 11000;occ; 220; 0;35229
10; 1761.3; 25-NOV-2008 04:51:05; Dark ; 68.5; 7; 19Bet Ori ; 0.10; 14000;occ; 137; 0;35229

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11; 1972.7; 25-NOV-2008 04:54:37; Dark ; 75.0; 30; 46Eps Ori ; 1.69; 30000;occ; 150; 0;35229
12; 2149.1; 25-NOV-2008 04:57:33; Dark ; 75.5; 27; 24Gam Ori ; 1.64; 26000;occ; 151; 0;35229
13; 2299.1; 25-NOV-2008 05:00:03; Bright; 86.0; 14; 58Alp Ori ; 0.87; 3000;occ; 172; 0;35229
14; 2639.9; 25-NOV-2008 05:05:44; Bright; 48.0; 114; 3Iot Aur ; 2.69; 4600;occ; 96; 0;35229
15; 2906.1; 25-NOV-2008 05:10:10; Bright; 50.0; 6; 13Alp Aur ; 0.08; 3400;occ; 100; 0;35229
16; 3040.7; 25-NOV-2008 05:12:25; Bright; 54.0; 42; 34Bet Aur ; 1.90; 10200;occ; 108; 0;35229
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 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
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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
16; 3039.6; 25-NOV-2008 06:53:00; Bright; 54.5; 42; 34Bet Aur ; 1.90; 10200;occ; 109; 0;35230
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 2; -1228.1; 25-NOV-2008 07:22:28; Bright; 60.0; 96; 68Del Leo ; 2.56; 9300;occ; 120; 0;35230
 3; -1012.2; 25-NOV-2008 07:26:04; Dark ; 56.0; 51; 41Gam1Leo ; 2.01; 4500;occ; 112; 0;35230
 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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 2; 1971.6; 25-NOV-2008 08:15:48; Dark ; 69.5; 30; 46Eps Ori ; 1.69; 30000;occ; 139; 0;35231
 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
12; 6663.1; 25-NOV-2008 09:33:59; Dark ; 53.5; 70; Zet Pup ; 2.25; 39000;occ; 107; 0;35231
13; 6885.7; 25-NOV-2008 09:37:42; Dark ; 58.5; 117; Pi Pup ; 2.71; 3800;occ; 117; 0;35231
14; 7123.4; 25-NOV-2008 09:41:39; Dark ; 73.5; 23; 21Eps CMa ; 1.50; 26000;occ; 147; 0;35231
15; 7259.0; 25-NOV-2008 09:43:55; Dark ; 82.0; 179; 240mi2CMa ; 3.03; 24000;occ; 164; 0;35231
16; 7556.2; 25-NOV-2008 09:48:52; Dark ; 109.5; 1; 9Alp CMa ; -1.44; 11000;occ; 219; 0;35231
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 2; 1971.0; 25-NOV-2008 09:56:23; Dark ; 68.5; 30; 46Eps Ori ; 1.69; 30000;occ; 137; 0;35232
 3; 2146.6; 25-NOV-2008 09:59:18; Dark ; 67.0; 27; 24Gam Ori ; 1.64; 26000;occ; 134; 0;35232
 4; 2264.4; 25-NOV-2008 10:01:16; Bright; 51.0; 13; 87Alp Tau ; 0.87; 3800;occ; 102; 0;35232
 5; 2637.5; 25-NOV-2008 10:07:29; Bright; 50.0; 114; 3Iot Aur ; 2.69; 4600;occ; 100; 0;35232
 6; 2903.7; 25-NOV-2008 10:11:56; Bright; 52.5; 6; 13Alp Aur ; 0.08; 3400;occ; 105; 0;35232
 7; 3037.4; 25-NOV-2008 10:14:09; Bright; 54.5; 42; 34Bet Aur ; 1.90; 10200;occ; 109; 0;35232
 8; 4204.2; 25-NOV-2008 10:33:36; Bright; 47.5; 174; 52Psi UMa ; 3.00; 4400;occ; 95; 0;35232
 9; 4809.2; 25-NOV-2008 10:43:41; Bright; 58.5; 96; 68Del Leo ; 2.56; 9300;occ; 117; 0;35232
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  
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 12; 6172.6; 25-NOV-2008 12:47:00; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;35233  
 13; 6665.5; 25-NOV-2008 12:55:13; Dark ; 55.0; 70; Zet Pup ; 2.25; 39000;occ; 110; 0;35233  
 14; 6887.5; 25-NOV-2008 12:58:55; Dark ; 55.5; 117; Pi Pup ; 2.71; 3800;occ; 111; 0;35233  
 15; 7125.1; 25-NOV-2008 13:02:53; Dark ; 73.5; 23; 21Eps CMA ; 1.50; 26000;occ; 147; 0;35233  
 16; 7260.7; 25-NOV-2008 13:05:09; Dark ; 81.5; 179; 240mi2CMA ; 3.03; 24000;occ; 163; 0;35233  
 17; 7556.5; 25-NOV-2008 13:10:04; Dark ; 24.0; 1; 9Alp CMA ; -1.44; 11000;occ; 48; 0;35233

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 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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1; 152.4; 25-NOV-2008 22:50:52; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;35240  
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 3; 857.3; 25-NOV-2008 23:02:37; Dark ; 68.0; 117; Pi Pup ; 2.71; 3800;occ; 136; 0;35240  
 4; 1094.3; 25-NOV-2008 23:06:34; Dark ; 69.0; 23; 21Eps CMA ; 1.50; 26000;occ; 138; 0;35240  
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 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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 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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12; 6177.9; 25-NOV-2008 16:08:18; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;35235
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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15; 7127.1; 25-NOV-2008 16:24:07; Dark ; 73.5; 23; 21Eps CMa ; 1.50; 26000;occ; 147; 0;35235
16; 7262.6; 25-NOV-2008 16:26:22; Dark ; 68.0; 179; 240mi2CMa ; 3.03; 24000;occ; 136; 0;35235
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2; 1520.8; 25-NOV-2008 16:31:16; Dark ; 108.0; 1; 9Alp CMa ; -1.44; 11000;occ; 216; 0;35236
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5; 2256.4; 26-NOV-2008 14:31:19; Bright; 54.5; 13; 87Alp Tau ; 0.87; 3800;occ; 109; 0;35249
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8; 3018.7; 26-NOV-2008 14:44:01; Bright; 54.0; 42; 34Bet Aur ; 1.90; 10200;occ; 108; 0;35249
9; 4201.2; 26-NOV-2008 15:03:44; Bright; 48.0; 174; 52Psi UMa ; 3.00; 4400;occ; 96; 0;35249
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13; 6903.0; 26-NOV-2008 15:48:46; Dark ; 59.5; 117; Pi Pup ; 2.71; 3800;occ; 119; 0;35249
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6; 1959.1; 26-NOV-2008 21:08:46; Dark ; 70.5; 30; 46Eps Ori ; 1.69; 30000;occ; 141; 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
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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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6; 2132.6; 26-NOV-2008 17:50:27; Dark ; 72.5; 27; 24Gam Ori ; 1.64; 26000;occ; 145; 0;35251
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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11; 4200.7; 26-NOV-2008 18:24:55; Bright; 50.5; 174; 52Psi UMa ; 3.00; 4400;occ; 101; 0;35251
12; 4821.1; 26-NOV-2008 18:35:16; Bright; 63.0; 96; 68Del Leo ; 2.56; 9300;occ; 126; 0;35251
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5; 1959.7; 26-NOV-2008 19:28:10; Dark ; 71.5; 30; 46Eps Ori ; 1.69; 30000;occ; 143; 0;35252
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
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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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7; 2870.7; 28-NOV-2008 11:57:44; Bright; 46.5; 6; 13Alp Aur ; 0.08; 3400;occ; 93; 0;35276
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9; 4195.3; 28-NOV-2008 12:19:48; Bright; 50.5; 174; 52Psi UMa ; 3.00; 4400;occ; 101; 0;35276
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 17; 1753.4; 30-NOV-2008 03:53:29; Dark ; 58.0; 7; 19Bet Ori ; 0.10; 14000;occ; 116; 0;35300  
 18; 1937.3; 30-NOV-2008 03:56:33; Dark ; 63.0; 30; 46Eps Ori ; 1.69; 30000;occ; 126; 0;35300  
 19; 2101.7; 30-NOV-2008 03:59:17; Dark ; 64.0; 27; 24Gam Ori ; 1.64; 26000;occ; 128; 0;35300  
 20; 2235.5; 30-NOV-2008 04:01:31; Bright; 53.0; 13; 87Alp Tau ; 0.87; 3800;occ; 106; 0;35300  
 21; 2473.0; 30-NOV-2008 04:05:28; Bright; 38.5; 150; 44Zet Per ; 2.89; 28000;occ; 77; 0;35300  
 22; 2619.1; 30-NOV-2008 04:07:55; Bright; 38.5; 149; 45Eps Per ; 2.89; 30000;occ; 77; 0;35300  
 23; 2854.1; 30-NOV-2008 04:11:50; Bright; 49.5; 6; 13Alp Aur ; 0.08; 3400;occ; 99; 0;35300  
 24; 2966.4; 30-NOV-2008 04:13:42; Bright; 49.0; 42; 34Bet Aur ; 1.90; 10200;occ; 98; 0;35300

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1;-2211.9; 30-NOV-2008 06:08:36; Bright; 47.0; 36; 50Alp UMA ; 1.80; 6300;occ; 94; 0;35301  
 2;-2115.6; 30-NOV-2008 06:10:12; Bright; 43.0; 82; 48Bet UMA ; 2.37; 10600;occ; 86; 0;35301  
 3;-2020.5; 30-NOV-2008 06:11:47; Bright; 36.5; 32; 77Eps UMA ; 1.76; 11000;occ; 73; 0;35301  
 4;-1846.4; 30-NOV-2008 06:14:41; Bright; 52.0; 174; 52Psi UMA ; 3.00; 4400;occ; 104; 0;35301  
 5;-1688.3; 30-NOV-2008 06:17:19; Bright; 37.0; 152; 12Alp2CVn ; 2.89; 11000;occ; 74; 0;35301  
 6;-1118.2; 30-NOV-2008 06:26:49; Bright; 55.5; 62; 94Bet Leo ; 2.14; 9700;occ; 111; 0;35301  
 7; -919.8; 30-NOV-2008 06:30:08; Bright; 45.5; 121; 29Gam Vir ; 2.74; 7200;occ; 91; 0;35301  
 8; -581.4; 30-NOV-2008 06:35:46; Dark ; 46.5; 100; 4Gam Crv ; 2.58; 13100;occ; 93; 0;35301  
 9; -486.0; 30-NOV-2008 06:37:21; Dark ; 48.5; 171; 2Eps Crv ; 3.00; 4250;occ; 97; 0;35301  
 10; 401.2; 30-NOV-2008 06:52:09; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;35302  
 11; 599.4; 30-NOV-2008 06:55:27; Dark ; 46.0; 34; Gam2Vel ; 1.79; 23000;occ; 92; 0;35302  
 12; 703.8; 30-NOV-2008 06:57:11; Dark ; 55.0; 70; Zet Pup ; 2.25; 39000;occ; 110; 0;35302  
 13; 913.5; 30-NOV-2008 07:00:41; Dark ; 59.5; 117; Pi Pup ; 2.71; 3800;occ; 119; 0;35302  
 14; 1059.3; 30-NOV-2008 07:03:07; Dark ; 40.0; 88; 31Eta CMa ; 2.45; 20000;occ; 80; 0;35302  
 15; 1142.5; 30-NOV-2008 07:04:30; Dark ; 61.5; 23; 21Eps CMa ; 1.50; 26000;occ; 123; 0;35302  
 16; 1535.1; 30-NOV-2008 07:11:02; Dark ; 54.5; 101; 11Alp Lep ; 2.58; 7000;occ; 109; 0;35302

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

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

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8; 2963.4; 30-NOV-2008 09:15:27; Bright; 51.0; 42; 34Bet Aur ; 1.90; 10200;occ; 102; 0;35303
9; 3823.3; 30-NOV-2008 09:29:47; Bright; 47.5; 36; 50Alp UMA ; 1.80; 6300;occ; 95; 0;35303
10; 3919.8; 30-NOV-2008 09:31:23; Bright; 47.0; 82; 48Bet UMA ; 2.37; 10600;occ; 94; 0;35303
11; 4015.3; 30-NOV-2008 09:32:59; Bright; 38.0; 32; 77Eps UMA ; 1.76; 11000;occ; 76; 0;35303
12; 4189.1; 30-NOV-2008 09:35:52; Bright; 50.5; 174; 52Psi UMA ; 3.00; 4400;occ; 101; 0;35303
13; 4347.9; 30-NOV-2008 09:38:31; Bright; 39.0; 152; 12Alp2CVn ; 2.89; 11000;occ; 78; 0;35303
14; 4919.1; 30-NOV-2008 09:48:02; Bright; 57.0; 62; 94Bet Leo ; 2.14; 9700;occ; 114; 0;35303
15; 5117.3; 30-NOV-2008 09:51:21; Bright; 43.5; 121; 29Gam Vir ; 2.74; 7200;occ; 87; 0;35303
16; 5456.0; 30-NOV-2008 09:56:59; Dark ; 47.0; 100; 4Gam Crv ; 2.58; 13100;occ; 94; 0;35303
17; 5551.6; 30-NOV-2008 09:58:35; Dark ; 46.5; 171; 2Eps Crv ; 3.00; 4250;occ; 93; 0;35303
18; 6438.8; 30-NOV-2008 10:13:22; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;35303
19; 6637.1; 30-NOV-2008 10:16:40; Dark ; 46.0; 34; Gam2Vel ; 1.79; 23000;occ; 92; 0;35303
20; 6741.8; 30-NOV-2008 10:18:25; Dark ; 53.0; 70; Zet Pup ; 2.25; 39000;occ; 106; 0;35303
21; 6951.2; 30-NOV-2008 10:21:55; Dark ; 63.5; 117; Pi Pup ; 2.71; 3800;occ; 127; 0;35303
22; 7096.9; 30-NOV-2008 10:24:20; Dark ; 42.0; 88; 31Eta CMA ; 2.45; 20000;occ; 84; 0;35303
23; 7179.8; 30-NOV-2008 10:25:43; Dark ; 64.5; 23; 21Eps CMA ; 1.50; 26000;occ; 129; 0;35303
24; 7571.2; 30-NOV-2008 10:32:15; Dark ; 55.0; 101; 11Alp Lep ; 2.58; 7000;occ; 110; 0;35303
25; 7788.8; 30-NOV-2008 10:35:52; Dark ; 3.0; 7; 19Bet Ori ; 0.10; 14000;occ; 6; 0;35303
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2; 1935.6; 30-NOV-2008 10:38:55; Dark ; 62.5; 30; 46Eps Ori ; 1.69; 30000;occ; 125; 0;35304
3; 2099.5; 30-NOV-2008 10:41:39; Dark ; 60.0; 27; 24Gam Ori ; 1.64; 26000;occ; 120; 0;35304
4; 2234.1; 30-NOV-2008 10:43:53; Bright; 56.0; 13; 87Alp Tau ; 0.87; 3800;occ; 112; 0;35304
5; 2472.1; 30-NOV-2008 10:47:51; Bright; 38.5; 150; 44Zet Per ; 2.89; 28000;occ; 77; 0;35304
6; 2617.9; 30-NOV-2008 10:50:17; Bright; 37.5; 149; 45Eps Per ; 2.89; 30000;occ; 75; 0;35304
7; 2851.5; 30-NOV-2008 10:54:11; Bright; 46.5; 6; 13Alp Aur ; 0.08; 3400;occ; 93; 0;35304
8; 2962.5; 30-NOV-2008 10:56:02; Bright; 50.0; 42; 34Bet Aur ; 1.90; 10200;occ; 100; 0;35304
9; 3822.9; 30-NOV-2008 11:10:22; Bright; 43.5; 36; 50Alp UMA ; 1.80; 6300;occ; 87; 0;35304
10; 3919.4; 30-NOV-2008 11:11:59; Bright; 47.5; 82; 48Bet UMA ; 2.37; 10600;occ; 95; 0;35304
11; 4015.2; 30-NOV-2008 11:13:34; Bright; 39.5; 32; 77Eps UMA ; 1.76; 11000;occ; 79; 0;35304
12; 4188.8; 30-NOV-2008 11:16:28; Bright; 55.0; 174; 52Psi UMA ; 3.00; 4400;occ; 110; 0;35304
13; 4347.9; 30-NOV-2008 11:19:07; Bright; 39.5; 152; 12Alp2CVn ; 2.89; 11000;occ; 79; 0;35304
14; 4919.7; 30-NOV-2008 11:28:39; Bright; 58.0; 62; 94Bet Leo ; 2.14; 9700;occ; 116; 0;35304
15; 5117.9; 30-NOV-2008 11:31:57; Bright; 42.5; 121; 29Gam Vir ; 2.74; 7200;occ; 85; 0;35304
16; 5456.8; 30-NOV-2008 11:37:36; Dark ; 45.5; 100; 4Gam Crv ; 2.58; 13100;occ; 91; 0;35304
17; 5552.4; 30-NOV-2008 11:39:12; Dark ; 45.0; 171; 2Eps Crv ; 3.00; 4250;occ; 90; 0;35304
18; 6439.6; 30-NOV-2008 11:53:59; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;35304
19; 6638.0; 30-NOV-2008 11:57:17; Dark ; 46.0; 34; Gam2Vel ; 1.79; 23000;occ; 92; 0;35304
20; 6742.9; 30-NOV-2008 11:59:02; Dark ; 52.5; 70; Zet Pup ; 2.25; 39000;occ; 105; 0;35304
21; 6952.0; 30-NOV-2008 12:02:31; Dark ; 65.0; 117; Pi Pup ; 2.71; 3800;occ; 130; 0;35304
22; 7097.7; 30-NOV-2008 12:04:57; Dark ; 42.0; 88; 31Eta CMA ; 2.45; 20000;occ; 84; 0;35304
23; 7180.5; 30-NOV-2008 12:06:20; Dark ; 68.5; 23; 21Eps CMA ; 1.50; 26000;occ; 137; 0;35304
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3; 1935.2; 30-NOV-2008 12:19:30; Dark ; 57.5; 30; 46Eps Ori ; 1.69; 30000;occ; 115; 0;35305
4; 2099.0; 30-NOV-2008 12:22:14; Dark ; 60.0; 27; 24Gam Ori ; 1.64; 26000;occ; 120; 0;35305
5; 2233.8; 30-NOV-2008 12:24:29; Bright; 53.5; 13; 87Alp Tau ; 0.87; 3800;occ; 107; 0;35305
6; 2471.8; 30-NOV-2008 12:28:27; Bright; 36.5; 150; 44Zet Per ; 2.89; 28000;occ; 73; 0;35305
7; 2617.7; 30-NOV-2008 12:30:53; Bright; 36.5; 149; 45Eps Per ; 2.89; 30000;occ; 73; 0;35305
8; 2850.8; 30-NOV-2008 12:34:46; Bright; 48.5; 6; 13Alp Aur ; 0.08; 3400;occ; 97; 0;35305
9; 2961.5; 30-NOV-2008 12:36:37; Bright; 52.0; 42; 34Bet Aur ; 1.90; 10200;occ; 104; 0;35305
10; 3822.6; 30-NOV-2008 12:50:58; Bright; 45.0; 36; 50Alp UMA ; 1.80; 6300;occ; 90; 0;35305
11; 3919.0; 30-NOV-2008 12:52:34; Bright; 46.0; 82; 48Bet UMA ; 2.37; 10600;occ; 92; 0;35305
12; 4015.1; 30-NOV-2008 12:54:10; Bright; 38.5; 32; 77Eps UMA ; 1.76; 11000;occ; 77; 0;35305
13; 4188.7; 30-NOV-2008 12:57:04; Bright; 51.5; 174; 52Psi UMA ; 3.00; 4400;occ; 103; 0;35305
14; 4348.1; 30-NOV-2008 12:59:43; Bright; 39.0; 152; 12Alp2CVn ; 2.89; 11000;occ; 78; 0;35305
15; 4920.4; 30-NOV-2008 13:09:16; Bright; 56.5; 62; 94Bet Leo ; 2.14; 9700;occ; 113; 0;35305
16; 5118.4; 30-NOV-2008 13:12:34; Bright; 43.0; 121; 29Gam Vir ; 2.74; 7200;occ; 86; 0;35305
17; 5457.7; 30-NOV-2008 13:18:13; Dark ; 46.0; 100; 4Gam Crv ; 2.58; 13100;occ; 92; 0;35305
18; 5553.2; 30-NOV-2008 13:19:48; Dark ; 51.5; 171; 2Eps Crv ; 3.00; 4250;occ; 103; 0;35305
19; 6440.5; 30-NOV-2008 13:34:36; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;35305
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21; 6743.8; 30-NOV-2008 13:39:39; Dark ; 54.5; 70; Zet Pup ; 2.25; 39000;occ; 109; 0;35305
22; 6952.9; 30-NOV-2008 13:43:08; Dark ; 61.5; 117; Pi Pup ; 2.71; 3800;occ; 123; 0;35305
23; 7098.8; 30-NOV-2008 13:45:34; Dark ; 44.0; 88; 31Eta CMA ; 2.45; 20000;occ; 88; 0;35305
24; 7181.3; 30-NOV-2008 13:46:56; Dark ; 66.5; 23; 21Eps CMA ; 1.50; 26000;occ; 133; 0;35305
25; 7571.6; 30-NOV-2008 13:53:27; Dark ; 8.5; 101; 11Alp Lep ; 2.58; 7000;occ; 17; 0;35305

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 3; 1934.9; 30-NOV-2008 14:00:06; Dark ; 63.0; 30; 46Eps Ori ; 1.69; 30000;occ; 126; 0;35306  
 4; 2098.4; 30-NOV-2008 14:02:49; Dark ; 60.0; 27; 24Gam Ori ; 1.64; 26000;occ; 120; 0;35306  
 5; 2233.5; 30-NOV-2008 14:05:04; Bright; 55.5; 13; 87Alp Tau ; 0.87; 3800;occ; 111; 0;35306  
 6; 2471.6; 30-NOV-2008 14:09:03; Bright; 37.5; 150; 44Zet Per ; 2.89; 28000;occ; 75; 0;35306  
 7; 2617.5; 30-NOV-2008 14:11:28; Bright; 38.0; 149; 45Eps Per ; 2.89; 30000;occ; 76; 0;35306  
 8; 2850.2; 30-NOV-2008 14:15:21; Bright; 51.5; 6; 13Alp Aur ; 0.08; 3400;occ; 103; 0;35306  
 9; 2960.7; 30-NOV-2008 14:17:12; Bright; 50.5; 42; 34Bet Aur ; 1.90; 10200;occ; 101; 0;35306  
 10; 3822.5; 30-NOV-2008 14:31:33; Bright; 45.0; 36; 50Alp UMa ; 1.80; 6300;occ; 90; 0;35306  
 11; 3918.8; 30-NOV-2008 14:33:10; Bright; 47.0; 82; 48Bet UMa ; 2.37; 10600;occ; 94; 0;35306  
 12; 4015.1; 30-NOV-2008 14:34:46; Bright; 40.0; 32; 77Eps UMa ; 1.76; 11000;occ; 80; 0;35306  
 13; 4188.5; 30-NOV-2008 14:37:39; Bright; 54.0; 174; 52Psi UMa ; 3.00; 4400;occ; 108; 0;35306  
 14; 4348.2; 30-NOV-2008 14:40:19; Bright; 38.5; 152; 12Alp2CVn ; 2.89; 11000;occ; 77; 0;35306  
 15; 4921.2; 30-NOV-2008 14:49:52; Bright; 55.0; 62; 94Bet Leo ; 2.14; 9700;occ; 110; 0;35306  
 16; 5119.1; 30-NOV-2008 14:53:10; Bright; 41.5; 121; 29Gam Vir ; 2.74; 7200;occ; 83; 0;35306  
 17; 5458.4; 30-NOV-2008 14:58:49; Dark ; 45.5; 100; 4Gam Crv ; 2.58; 13100;occ; 91; 0;35306  
 18; 5554.1; 30-NOV-2008 15:00:25; Dark ; 46.5; 171; 2Eps Crv ; 3.00; 4250;occ; 93; 0;35306  
 19; 6441.4; 30-NOV-2008 15:15:12; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;35306  
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 21; 6745.0; 30-NOV-2008 15:20:16; Dark ; 53.0; 70; Zet Pup ; 2.25; 39000;occ; 106; 0;35306  
 22; 6953.7; 30-NOV-2008 15:23:45; Dark ; 59.5; 117; Pi Pup ; 2.71; 3800;occ; 119; 0;35306  
 23; 7099.7; 30-NOV-2008 15:26:11; Dark ; 44.0; 88; 31Eta CMA ; 2.45; 20000;occ; 88; 0;35306  
 24; 7182.0; 30-NOV-2008 15:27:33; Dark ; 67.0; 23; 21Eps CMA ; 1.50; 26000;occ; 134; 0;35306

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 2; 1752.8; 30-NOV-2008 15:37:40; Dark ; 61.5; 7; 19Bet Ori ; 0.10; 14000;occ; 123; 0;35307  
 3; 1934.5; 30-NOV-2008 15:40:41; Dark ; 61.0; 30; 46Eps Ori ; 1.69; 30000;occ; 122; 0;35307  
 4; 2097.8; 30-NOV-2008 15:43:25; Dark ; 60.5; 27; 24Gam Ori ; 1.64; 26000;occ; 121; 0;35307  
 5; 2233.1; 30-NOV-2008 15:45:40; Bright; 54.0; 13; 87Alp Tau ; 0.87; 3800;occ; 108; 0;35307  
 6; 2471.5; 30-NOV-2008 15:49:38; Bright; 38.5; 150; 44Zet Per ; 2.89; 28000;occ; 77; 0;35307  
 7; 2617.1; 30-NOV-2008 15:52:04; Bright; 38.0; 149; 45Eps Per ; 2.89; 30000;occ; 76; 0;35307  
 8; 2849.4; 30-NOV-2008 15:55:56; Bright; 47.0; 6; 13Alp Aur ; 0.08; 3400;occ; 94; 0;35307  
 9; 2959.7; 30-NOV-2008 15:57:47; Bright; 51.0; 42; 34Bet Aur ; 1.90; 10200;occ; 102; 0;35307  
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 14; 4348.1; 30-NOV-2008 16:20:55; Bright; 38.0; 152; 12Alp2CVn ; 2.89; 11000;occ; 76; 0;35307  
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 22; 6954.6; 30-NOV-2008 17:04:22; Dark ; 73.5; 117; Pi Pup ; 2.71; 3800;occ; 147; 0;35307  
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