

# GOMOS Daily Report 06-APR-2008

## Level 0 and Level 1 products

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This report presents the daily analysis on parameters extracted from GOMOS level 1b data (GOM\_TRA\_1P). It is intended to monitor some important parameters that will impact the quality of the level 2 products as the Spectrometers and Photometers CCD Temperatures and Dark Charge, SATU noise equivalent angle... A list of level 0 products (and content) that have arrived during the actual month to the PCF is also given.

Item	Value
Time of report generation	08APR2008 05:32:00
Data source version	GOMOS/5.00
Start time of products	QDS_YESTERDAY(/START)-1D (06APR2008 00:00:00)
Stop time of products	QDS_YESTERDAY(/STOP)-1D (07APR2008 00:00:00)
Store outputs in DB	Yes
Nb of level 1b prods	48
Nb of prods with errors	0

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

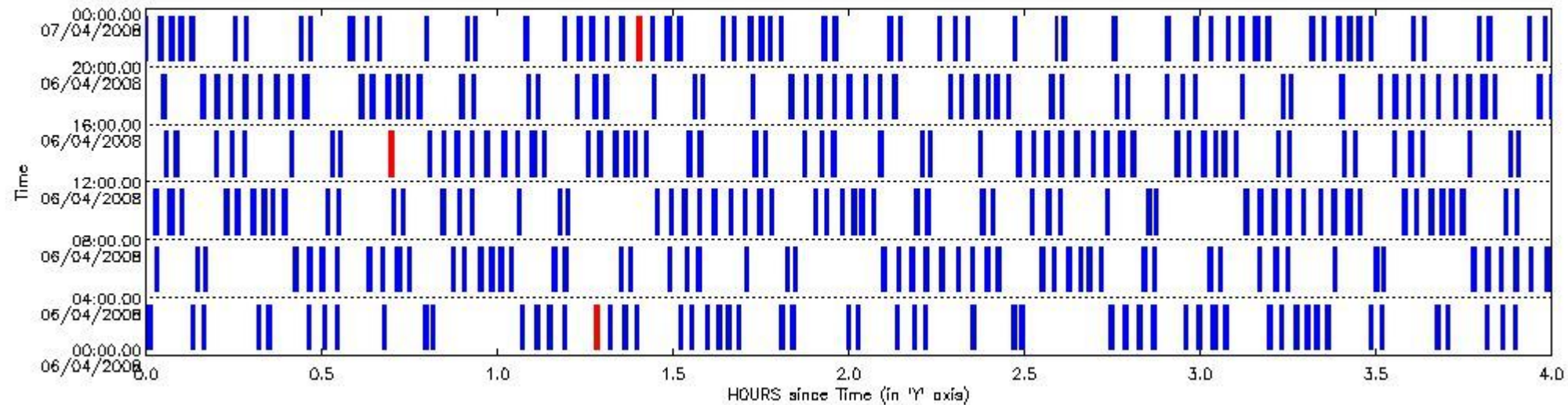
### 2.1 Level 0 products arrived in PCF (see template [here](#))

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

Red segments are missing products.

Blue segments are available products.

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



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

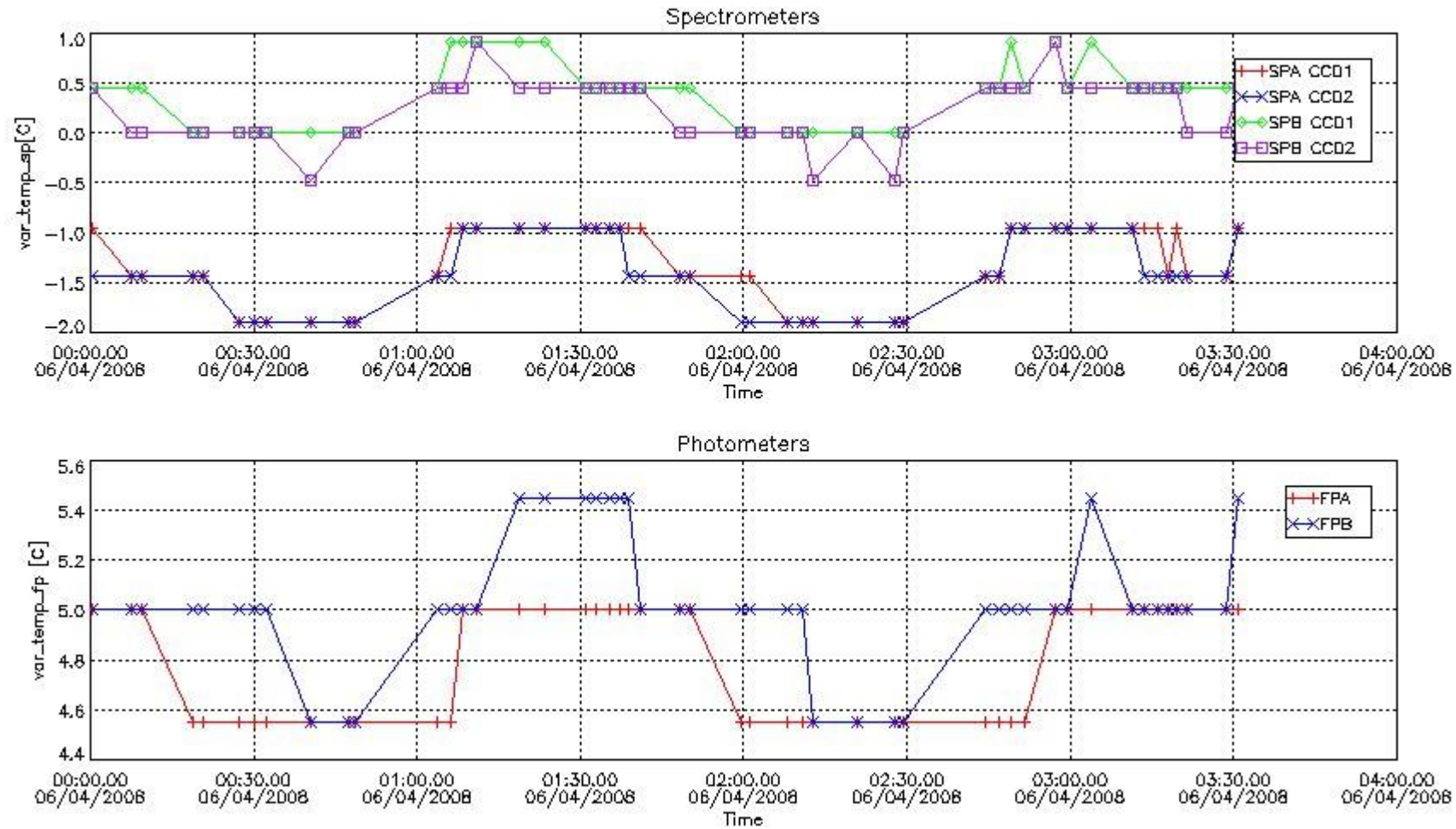
UTC start time	Star name	Star ID	Orbit
06-APR-2008 01:16:31	GamGru	172	31891
06-APR-2008 12:41:23	44EtaPeg	164	31898
06-APR-2008 21:23:46	GamGru	172	31903

### 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_1PNPDE20080406_000016_000000412067_00274_31891_0839.N1	06-APR-2008 00:00:16	Straylight	40.500	64	Gam Cen	2.2000	10600.	81	31891	No
2	GOM_TRA_1PNPDE20080406_000734_000000432067_00274_31891_0943.N1	06-APR-2008 00:07:34	Twilight_stray	43.000	106	9Bet Crv	2.6480	5600.0	86	31891	No
3	GOM_TRA_1PNPDE20080406_000927_000000402067_00274_31891_0944.N1	06-APR-2008 00:09:27	Twilight_stray	39.500	100	4Gam Crv	2.5800	13100.	79	31891	No
4	GOM_TRA_1PNPDE20080406_001854_000000372067_00274_31891_0945.N1	06-APR-2008 00:18:54	Bright	37.000	62	94Bet Leo	2.1360	9700.0	74	31891	No
5	GOM_TRA_1PNPDE20080406_002038_000000382067_00274_31891_0946.N1	06-APR-2008 00:20:38	Bright	38.000	96	68Del Leo	2.5600	9300.0	76	31891	No
6	GOM_TRA_1PNPDE20080406_002722_000000362067_00274_31891_0947.N1	06-APR-2008 00:27:22	Bright	36.000	174	52Psi UMa	3.0040	4400.0	72	31891	No
7	GOM_TRA_1PNPDE20080406_003012_000000372067_00274_31891_0948.N1	06-APR-2008 00:30:12	Bright	37.000	87	64Gam UMa	2.4330	11000.	74	31891	No
8	GOM_TRA_1PNPDE20080406_003214_000000362067_00274_31891_0949.N1	06-APR-2008 00:32:14	Bright	35.500	36	50Alp UMa	1.8000	6300.0	71	31891	No

9	GOM_TRA_1PNPDE20080406_004019_000000332067_00274_31891_0950.N1	06-APR-2008 00:40:19	Bright	33.000	49	1Alp UMi	1.9900	6300.0	66	31891	No
10	GOM_TRA_1PNPDE20080406_004717_000000522067_00274_31891_0951.N1	06-APR-2008 00:47:17	Bright	52.000	76	27Gam Cas	2.3000	30000.	104	31891	No
11	GOM_TRA_1PNPDE20080406_004837_000000352067_00274_31891_0952.N1	06-APR-2008 00:48:37	Bright	34.500	68	18Alp Cas	2.2250	4500.0	69	31891	No
12	GOM_TRA_1PNPDE20080406_010348_000000452067_00274_31891_0953.N1	06-APR-2008 01:03:48	Twilight	45.000	61	8Eps Peg	2.1000	3900.0	90	31891	No
13	GOM_TRA_1PNPDE20080406_010617_000000442067_00274_31891_0954.N1	06-APR-2008 01:06:17	Twilight	44.000	162	34Alp Aqr	2.9440	5350.0	88	31891	No
14	GOM_TRA_1PNPDE20080406_010832_000000432067_00274_31891_0955.N1	06-APR-2008 01:08:32	Dark	42.500	154	22Bet Aqr	2.8990	5700.0	85	31891	No
15	GOM_TRA_1PNPDE20080406_011103_000000432067_00274_31891_0956.N1	06-APR-2008 01:11:03	Dark	42.500	142	49Del Cap	2.8500	8900.0	85	31891	No
16	GOM_TRA_1PNPDE20080406_011851_000000412067_00274_31891_0957.N1	06-APR-2008 01:18:51	Dark	40.500	31	Alp Gru	1.7340	15200.	81	31891	No
17	GOM_TRA_1PNPDE20080406_012321_000000382067_00274_31891_0958.N1	06-APR-2008 01:23:21	Dark	38.000	45	Alp Pav	1.9400	26000.	76	31891	No
18	GOM_TRA_1PNPDE20080406_013052_000000432067_00275_31892_0959.N1	06-APR-2008 01:30:52	Dark	42.500	43	Alp TrA	1.9100	4250.0	85	31892	No
19	GOM_TRA_1PNPDE20080406_013250_000000392067_00275_31892_0960.N1	06-APR-2008 01:32:50	Dark	39.000	134	Bet TrA	2.8100	6600.0	78	31892	No
20	GOM_TRA_1PNPDE20080406_013524_000000432067_00275_31892_0961.N1	06-APR-2008 01:35:24	Straylight	43.000	4	Alp1Cen	-0.010000	5800.0	86	31892	No
21	GOM_TRA_1PNPDE20080406_013723_000000442067_00275_31892_0962.N1	06-APR-2008 01:37:23	Straylight	43.500	12	Alp1Cru	0.77500	30000.	87	31892	No
22	GOM_TRA_1PNPDE20080406_013853_000000512067_00275_31892_0963.N1	06-APR-2008 01:38:53	Straylight	51.000	26	Gam Cru	1.6240	2900.0	102	31892	No
23	GOM_TRA_1PNPDE20080406_014052_000000382067_00275_31892_0964.N1	06-APR-2008 01:40:52	Straylight	38.000	64	Gam Cen	2.2000	10600.	76	31892	No
24	GOM_TRA_1PNPDE20080406_014810_000000392067_00275_31892_1073.N1	06-APR-2008 01:48:10	Twilight	39.000	106	9Bet Crv	2.6480	5600.0	78	31892	No
25	GOM_TRA_1PNPDE20080406_015004_000000402067_00275_31892_1074.N1	06-APR-2008 01:50:04	Twilight	39.500	100	4Gam Crv	2.5800	13100.	79	31892	No
26	GOM_TRA_1PNPDE20080406_015930_000000382067_00275_31892_1075.N1	06-APR-2008 01:59:30	Bright	37.500	62	94Bet Leo	2.1360	9700.0	75	31892	No
27	GOM_TRA_1PNPDE20080406_020114_000000362067_00275_31892_1076.N1	06-APR-2008 02:01:14	Bright	35.500	96	68Del Leo	2.5600	9300.0	71	31892	No
28	GOM_TRA_1PNPDE20080406_020758_000000362067_00275_31892_1077.N1	06-APR-2008 02:07:58	Bright	36.000	174	52Psi UMa	3.0040	4400.0	72	31892	No
29	GOM_TRA_1PNPDE20080406_021048_000000362067_00275_31892_1078.N1	06-APR-2008 02:10:48	Bright	35.500	87	64Gam UMa	2.4330	11000.	71	31892	No
30	GOM_TRA_1PNPDE20080406_021250_000000362067_00275_31892_1079.N1	06-APR-2008 02:12:50	Bright	35.500	36	50Alp UMa	1.8000	6300.0	71	31892	No
31	GOM_TRA_1PNPDE20080406_022055_000000342067_00275_31892_1080.N1	06-APR-2008 02:20:55	Bright	34.000	49	1Alp UMi	1.9900	6300.0	68	31892	No
32	GOM_TRA_1PNPDE20080406_022753_000000362067_00275_31892_1081.N1	06-APR-2008 02:27:53	Bright	35.500	76	27Gam Cas	2.3000	30000.	71	31892	No
33	GOM_TRA_1PNPDE20080406_022913_000000352067_00275_31892_1082.N1	06-APR-2008 02:29:13	Bright	35.000	68	18Alp Cas	2.2250	4500.0	70	31892	No
34	GOM_TRA_1PNPDE20080406_024425_000000462067_00275_31892_1083.N1	06-APR-2008 02:44:25	Twilight	46.000	61	8Eps Peg	2.1000	3900.0	92	31892	No
35	GOM_TRA_1PNPDE20080406_024653_000000432067_00275_31892_1084.N1	06-APR-2008 02:46:53	Twilight	42.500	162	34Alp Aqr	2.9440	5350.0	85	31892	No
36	GOM_TRA_1PNPDE20080406_024908_000000452067_00275_31892_1085.N1	06-APR-2008 02:49:08	Dark	44.500	154	22Bet Aqr	2.8990	5700.0	89	31892	No
37	GOM_TRA_1PNPDE20080406_025139_000000392067_00275_31892_1086.N1	06-APR-2008 02:51:39	Dark	38.500	142	49Del Cap	2.8500	8900.0	77	31892	No
38	GOM_TRA_1PNPDE20080406_025709_000000362067_00275_31892_1087.N1	06-APR-2008 02:57:09	Dark	36.000	172	Gam Gru	3.0030	13100.	72	31892	No
39	GOM_TRA_1PNPDE20080406_025928_000000392067_00275_31892_1088.N1	06-APR-2008 02:59:28	Dark	38.500	31	Alp Gru	1.7340	15200.	77	31892	No
40	GOM_TRA_1PNPDE20080406_030358_000000402067_00275_31892_1089.N1	06-APR-2008 03:03:58	Dark	39.500	45	Alp Pav	1.9400	26000.	79	31892	No
41	GOM_TRA_1PNPDE20080406_031129_000000382067_00276_31893_1090.N1	06-APR-2008 03:11:29	Dark	38.000	43	Alp TrA	1.9100	4250.0	76	31893	No
42	GOM_TRA_1PNPDE20080406_031326_000000382067_00276_31893_1091.N1	06-APR-2008 03:13:26	Dark	38.000	134	Bet TrA	2.8100	6600.0	76	31893	No
43	GOM_TRA_1PNPDE20080406_031600_000000502067_00276_31893_1092.N1	06-APR-2008 03:16:00	Straylight	49.500	4	Alp1Cen	-0.010000	5800.0	99	31893	No
44	GOM_TRA_1PNPDE20080406_031759_000000432067_00276_31893_1093.N1	06-APR-2008 03:17:59	Straylight	42.500	12	Alp1Cru	0.77500	30000.	85	31893	No
45	GOM_TRA_1PNPDE20080406_031929_000000432067_00276_31893_1094.N1	06-APR-2008 03:19:29	Straylight	43.000	26	Gam Cru	1.6240	2900.0	86	31893	No
46	GOM_TRA_1PNPDE20080406_032128_000000412067_00276_31893_1095.N1	06-APR-2008 03:21:28	Straylight	41.000	64	Gam Cen	2.2000	10600.	82	31893	No
47	GOM_TRA_1PNPDE20080406_032846_000000442067_00276_31893_1096.N1	06-APR-2008 03:28:46	Twilight	44.000	106	9Bet Crv	2.6480	5600.0	88	31893	No
48	GOM_TRA_1PNPDE20080406_033040_000000382067_00276_31893_1271.N1	06-APR-2008 03:30:40	Twilight	38.000	100	4Gam Crv	2.5800	13100.	76	31893	No

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



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

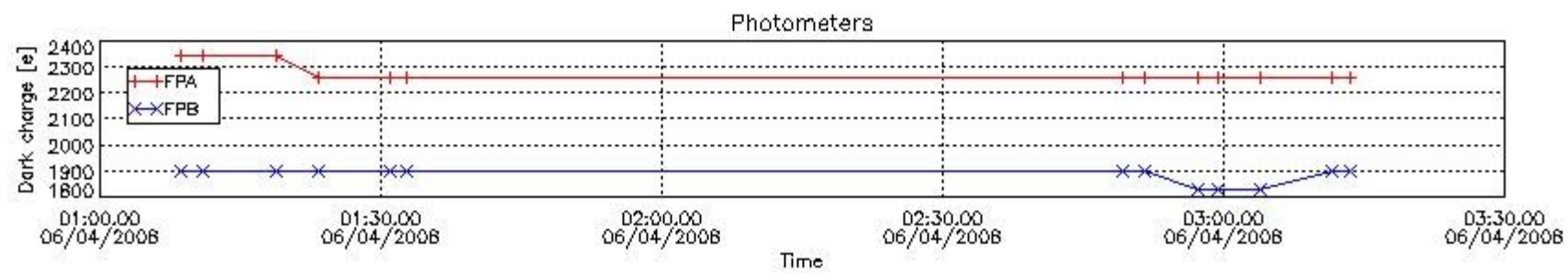
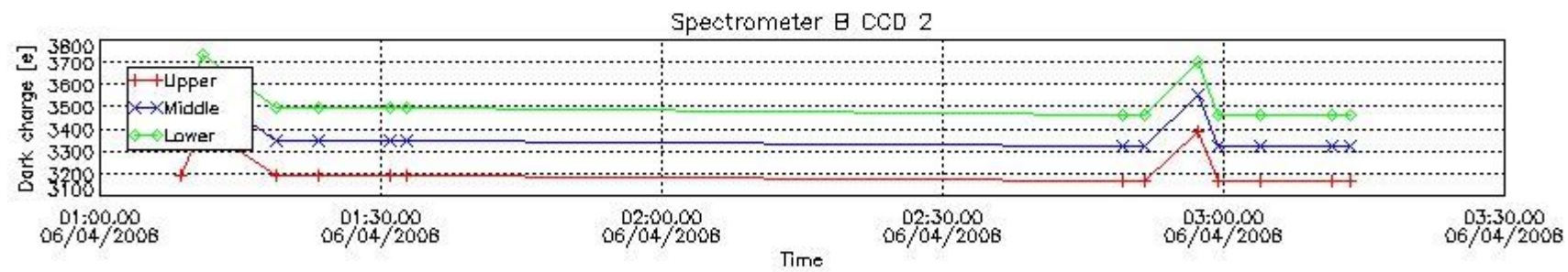
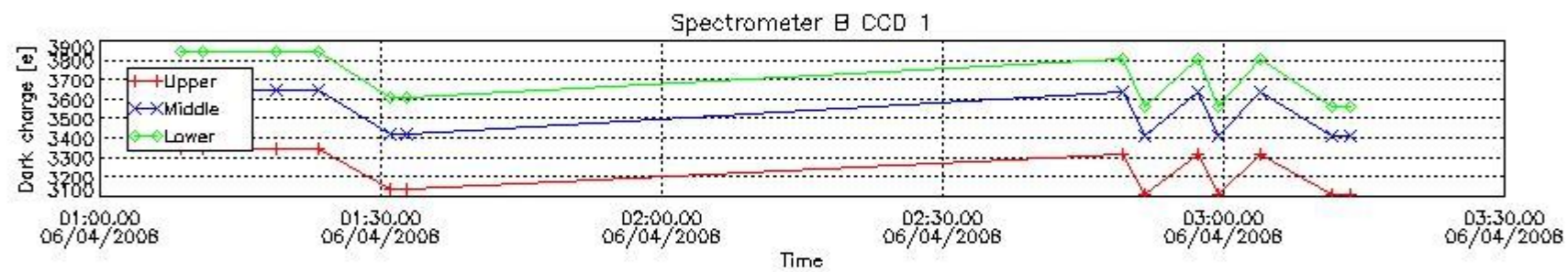
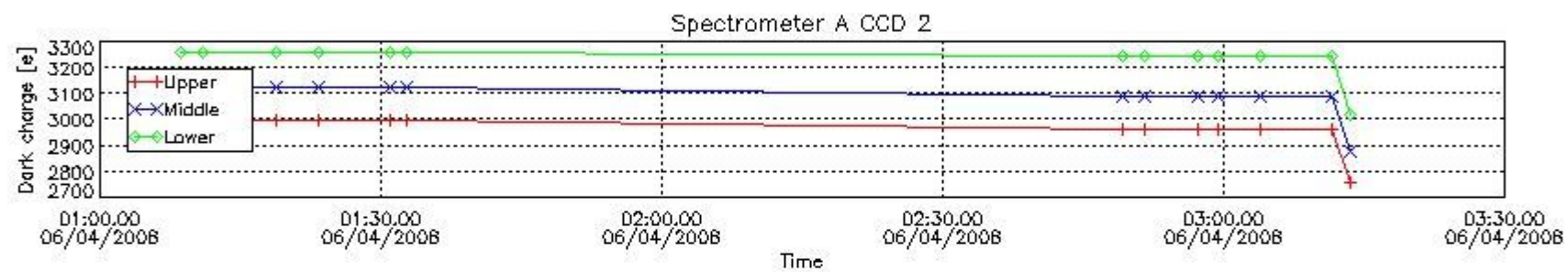
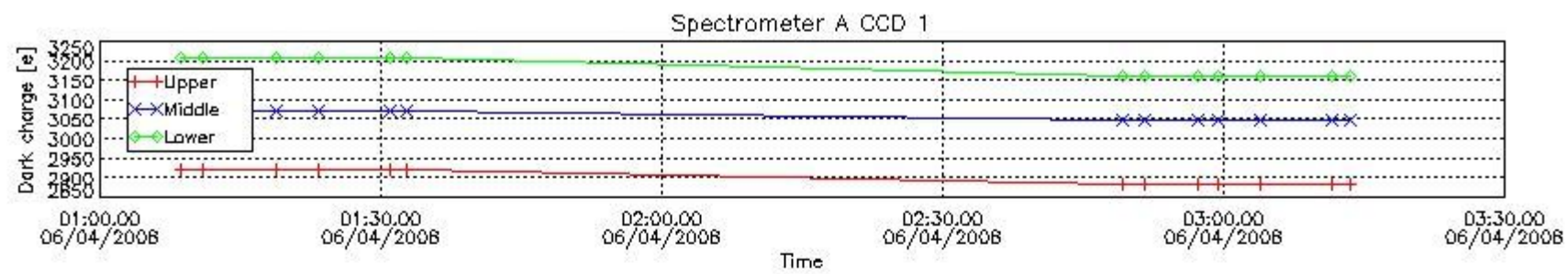
The Dark Charge (DC) is a temperature-dependant signal added to the useful measurements and it is therefore subtracted from them during the processing. There are two phenomena that produce a continuous increase of the DC: the "hot pixels" (a pixel is "hot" when its DC exceeds by a significant amount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





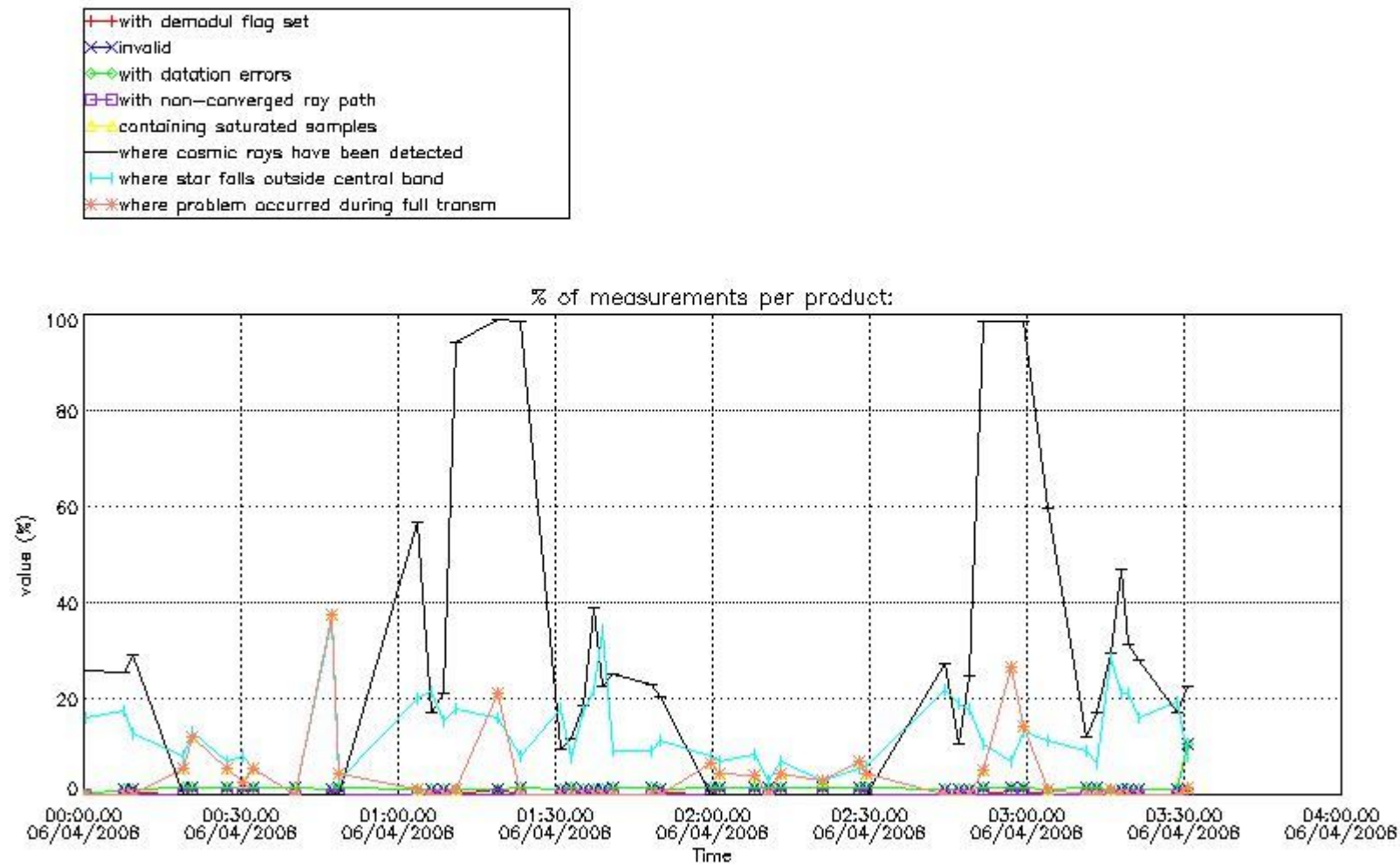
## 5. Demodulation flag and quality information monitoring

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:

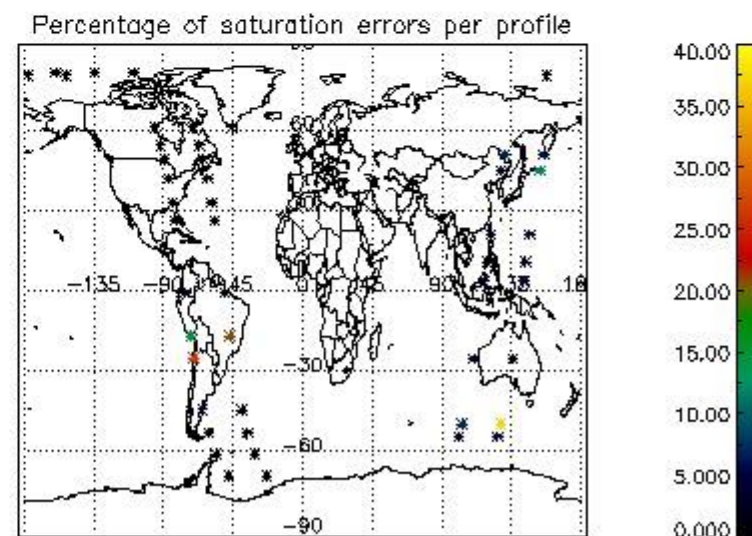
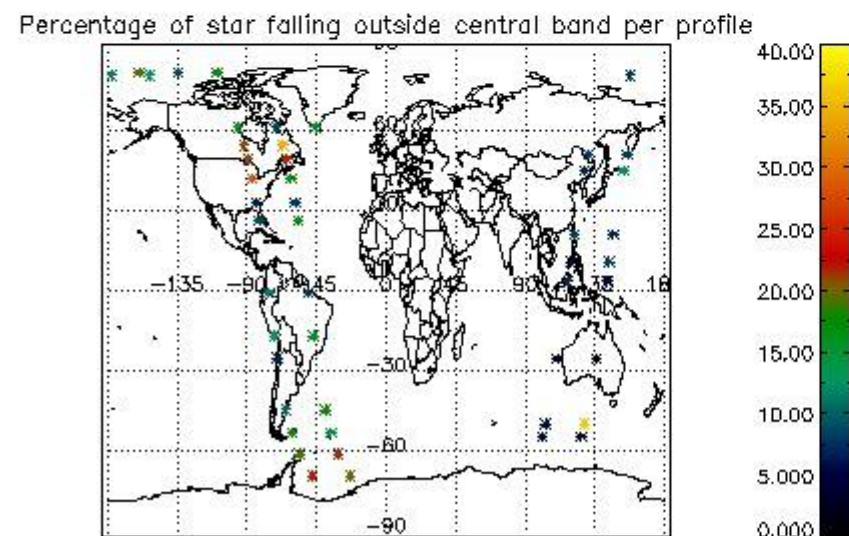
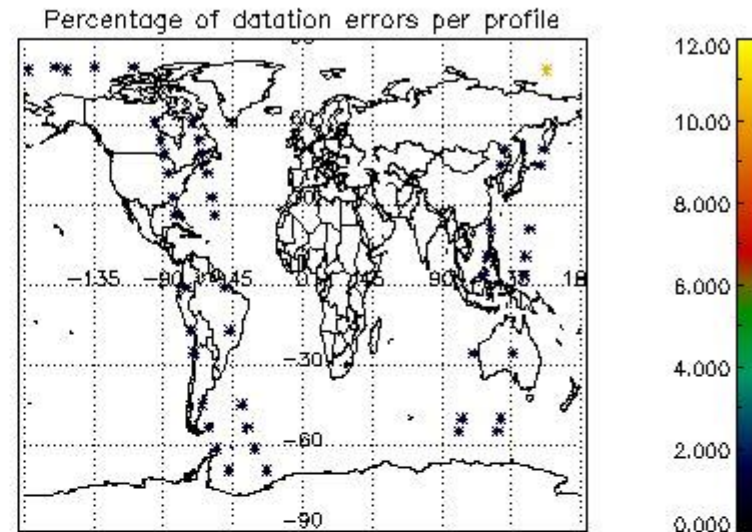
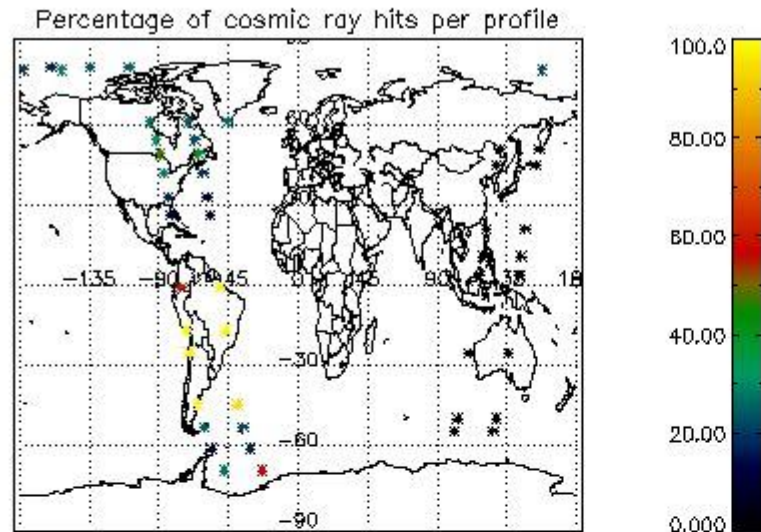
At least one measurement with demodulation flag set:	27.0833 %
Reference spectrum computed from DB:	0.00000 %
Reference spectrum with small number of measurements:	0.00000 %
SATU data not used:	0.00000 %

### 5.2 Plot quality information per product (time dependant)



### 5.3 Plot quality information per product (world map)





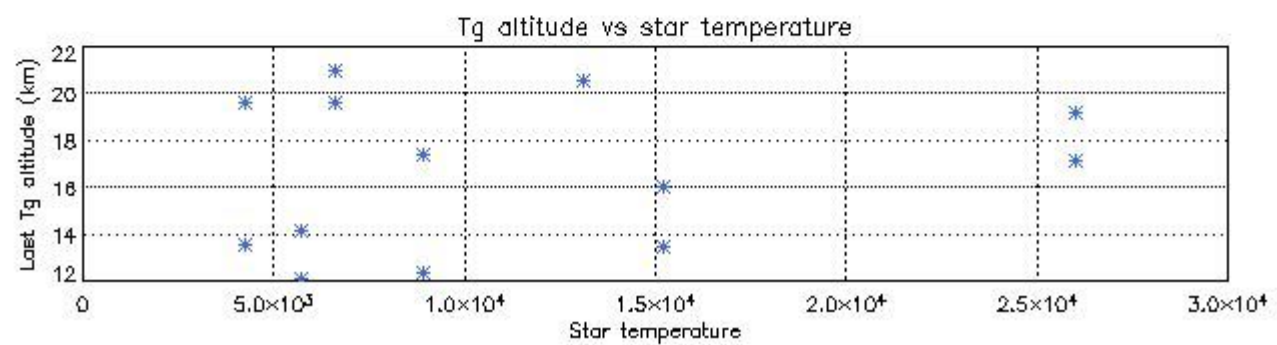
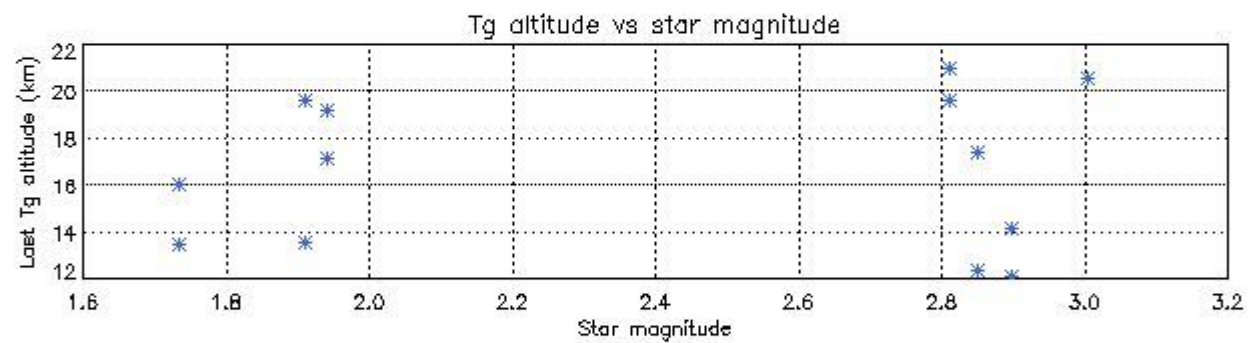
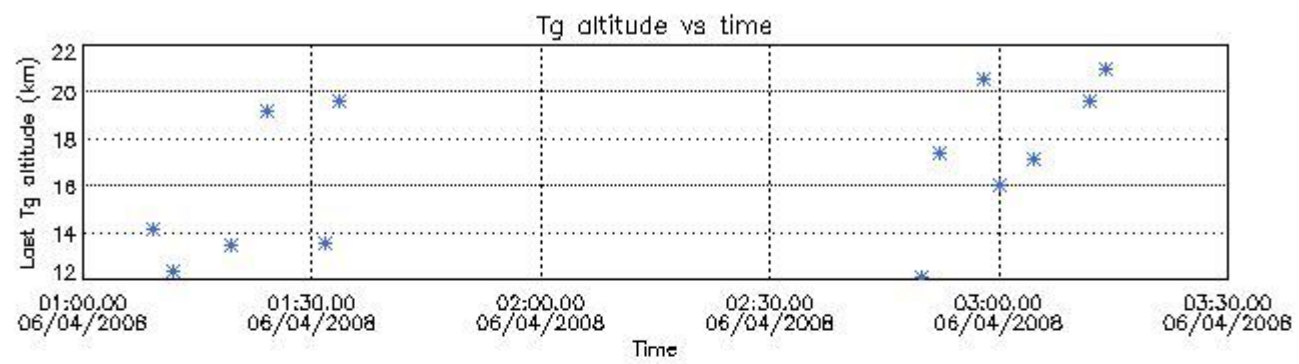
## 6. Statistics and plot of tangent altitude of the last measurement (DARK & BRIGHT products without errors)

### 6.1 Statistics on tangent altitude lost:

Statistics	DARK	BRIGHT	TWILIGHT
Mean:	16.621	20.272	11.226
St. deviation:	3.2223	5.0679	0.97736
Maximum:	20.996	26.614	11.917
Minimum:	12.057	3.7497	10.535
Number of data:	13.000	16.000	2.0000

### 6.2 Plot for DARK limb products

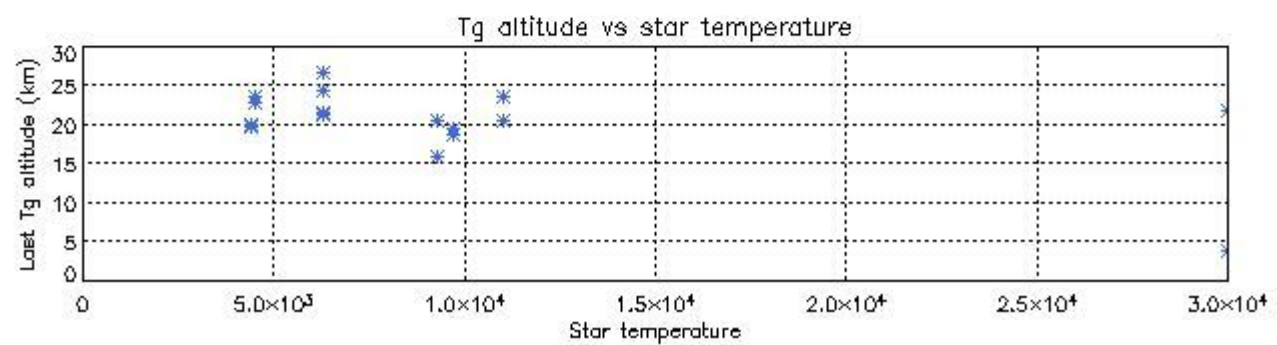
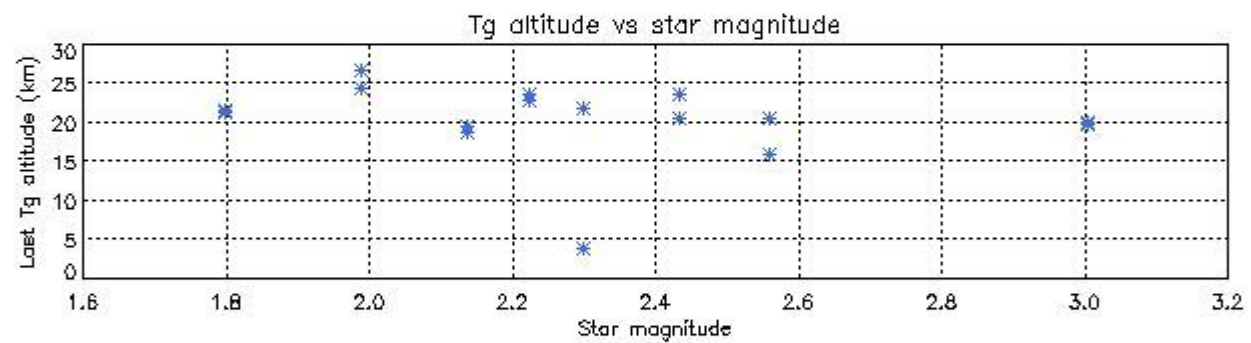
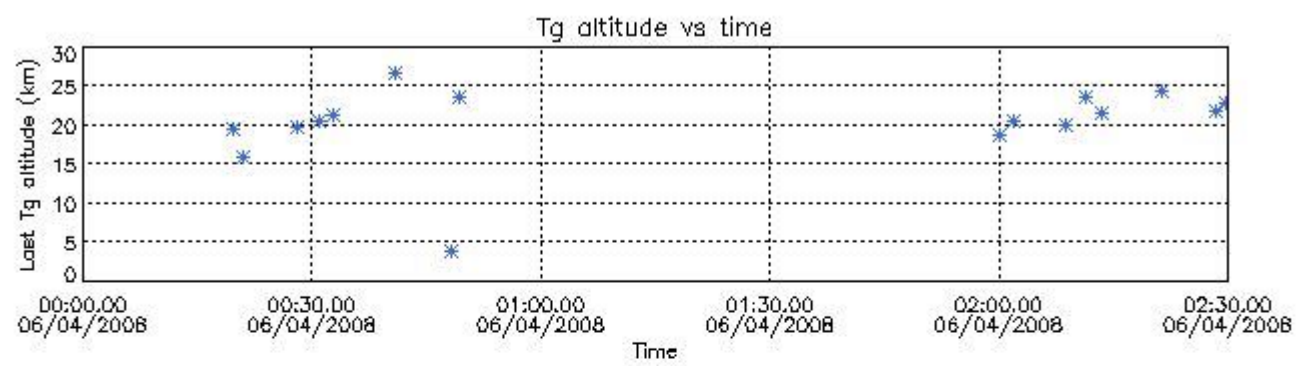
Tangent altitude at which the star is lost



6.3 Plot for BRIGHT limb products

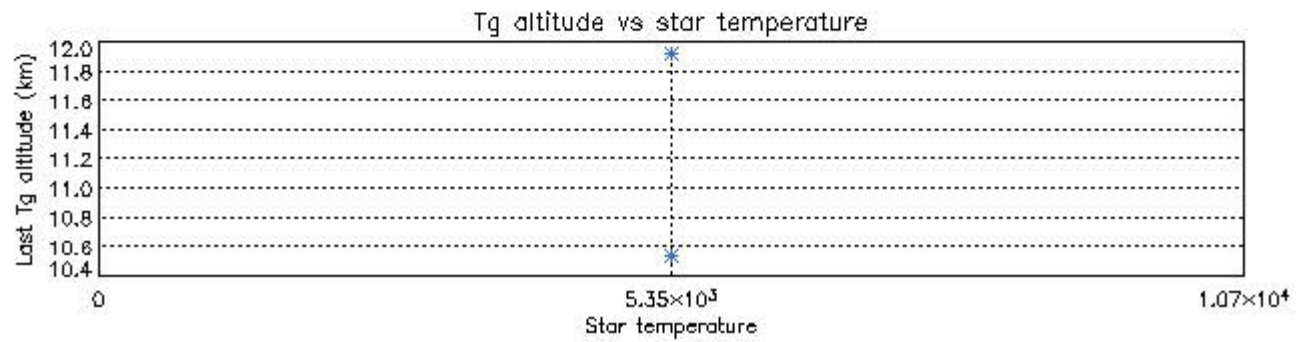
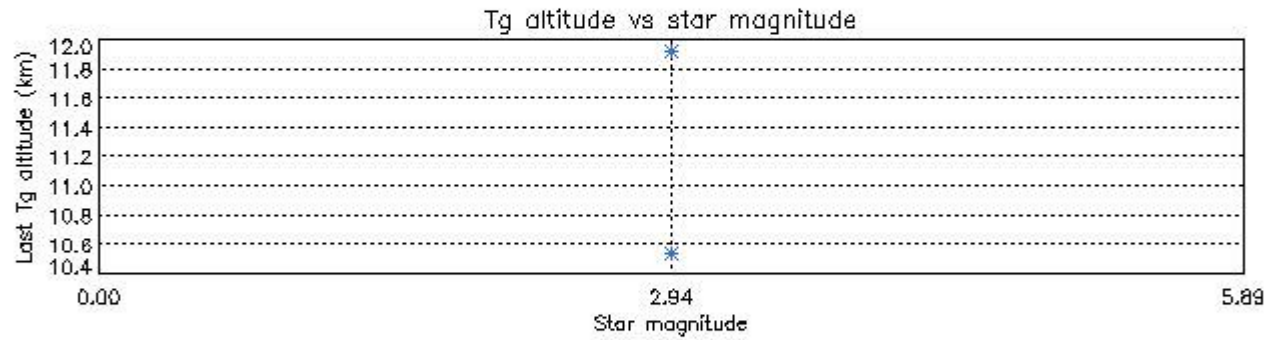
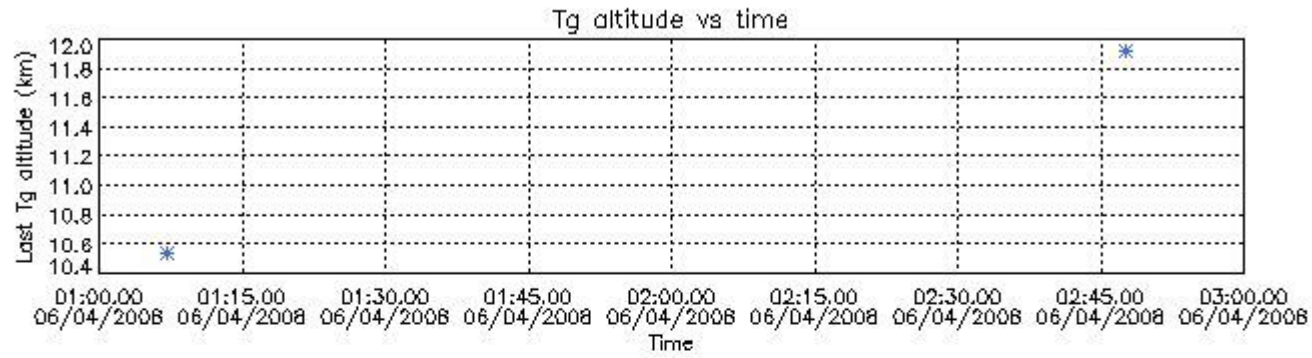


Tangent altitude at which the star is lost



6.3 Plot for TWILIGHT limb products

## Tangent altitude at which the star is lost

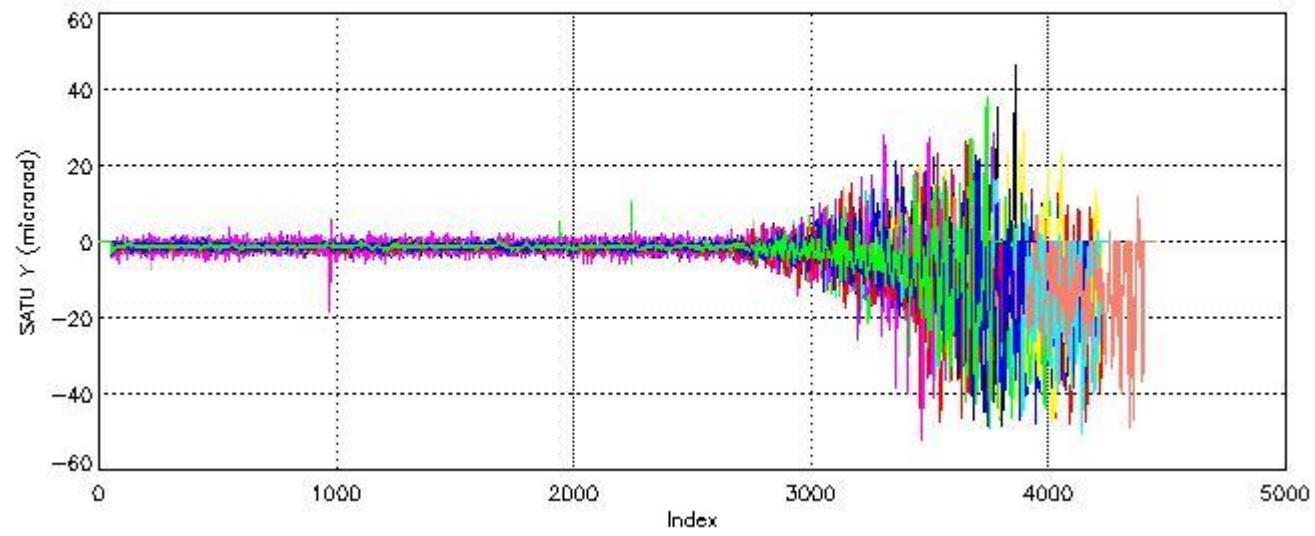
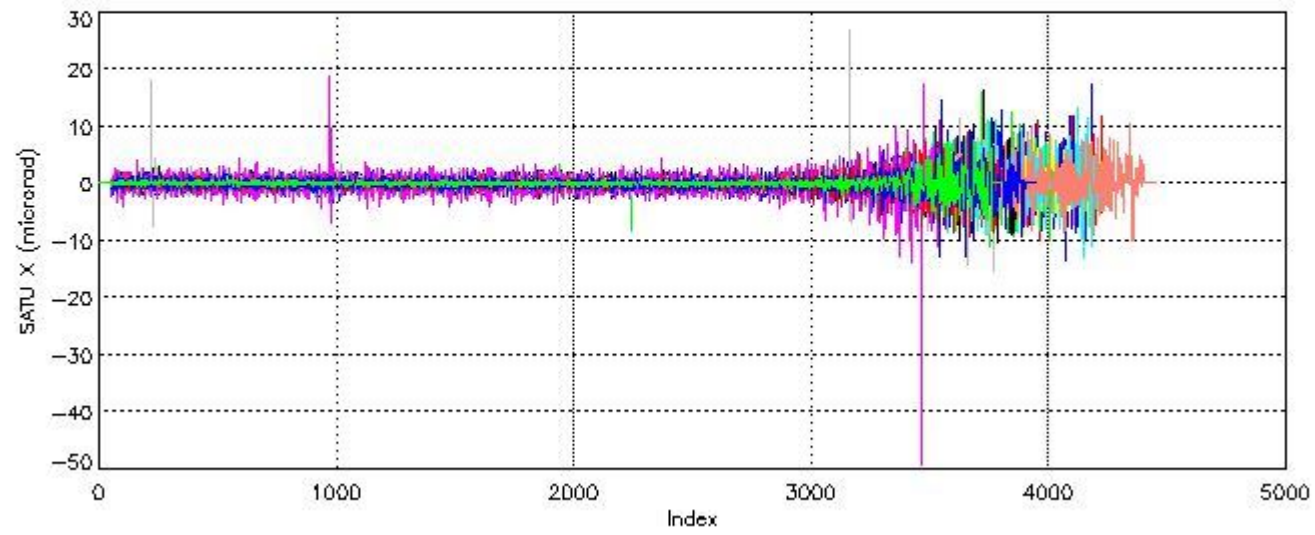


## 7. Star Acquisition and Tracking Unit (SATU)

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:	0.031039	-1.3447	-0.061047	-1.3397
St. deviation:	0.68795	0.75942	0.72273	0.82454
Maximum:	18.100	3.6000	3.7000	2.7000
Minimum:	-7.7000	-7.2000	-4.5000	-5.8000



Number of data:	11450.	11450.	13150.	13150.
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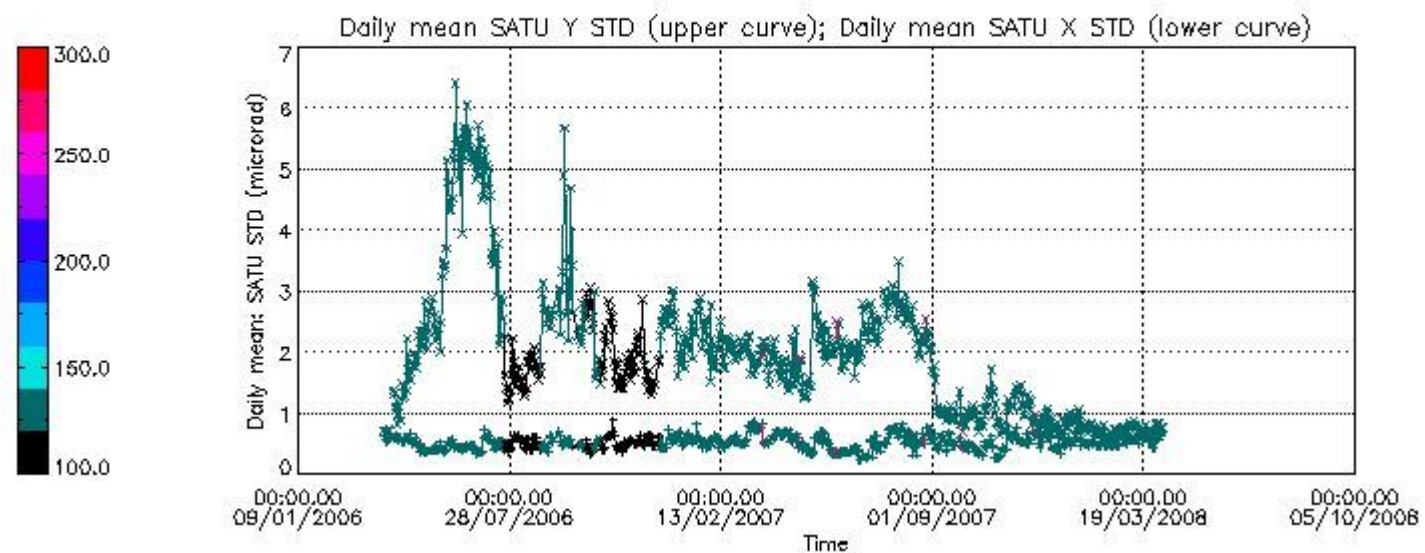
### 7.2.2 Trend of daily SATU NEA St. deviation since 1st April 2006 (dark limb)

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

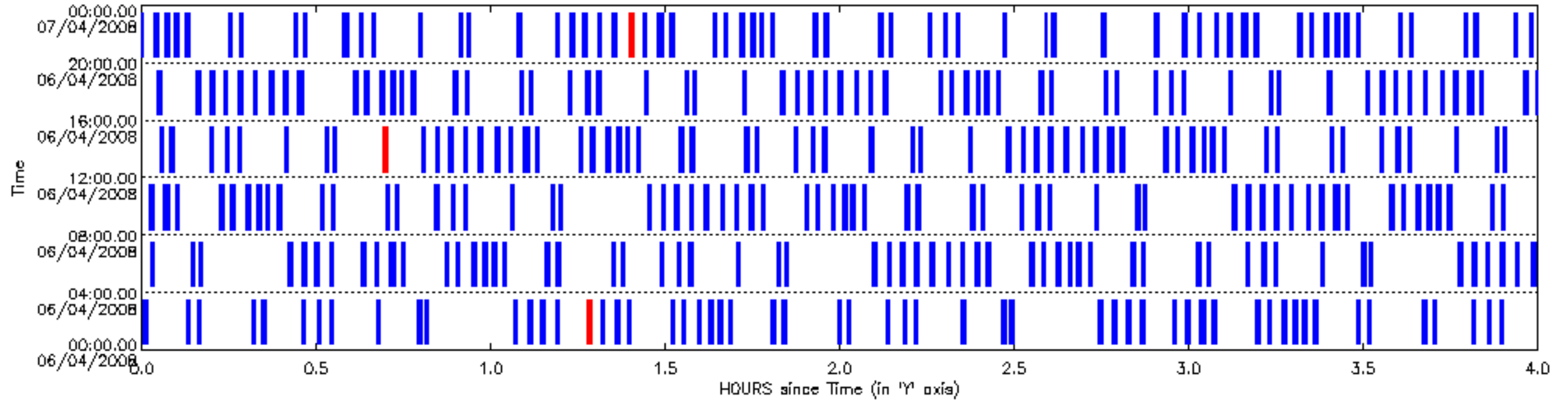
Lower curve: STD of SATU X axis

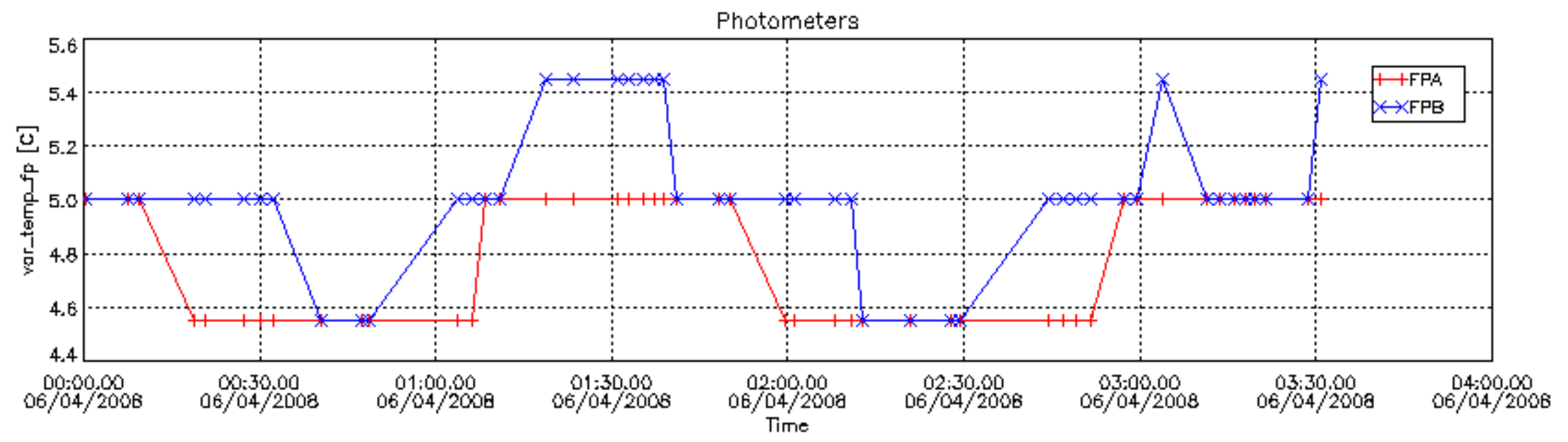
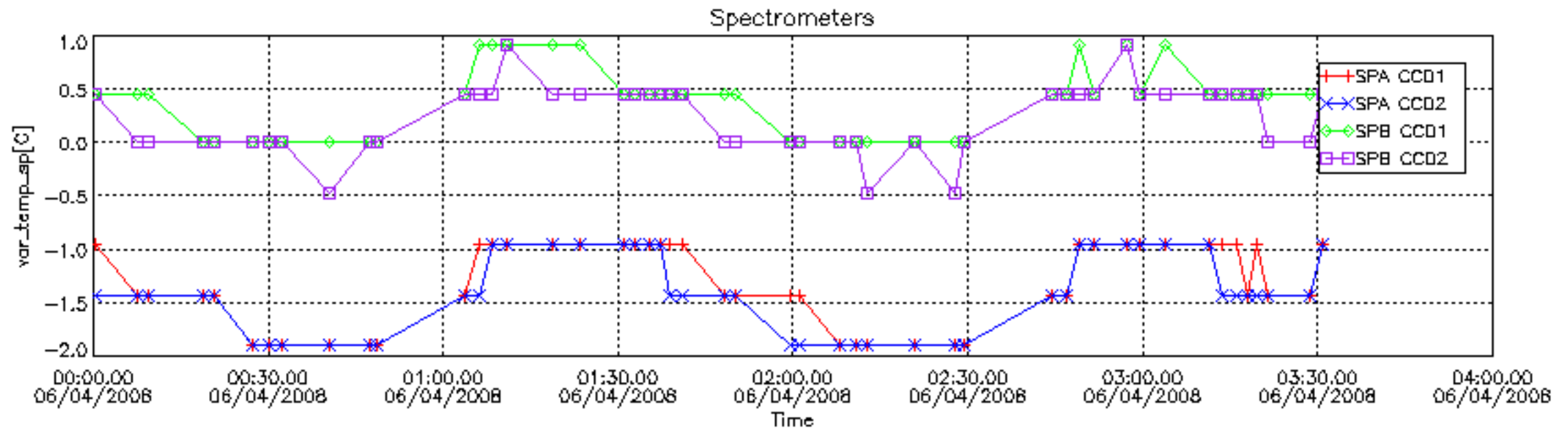


### 8. Auxiliary Data Files used for the production reported in section 2.4

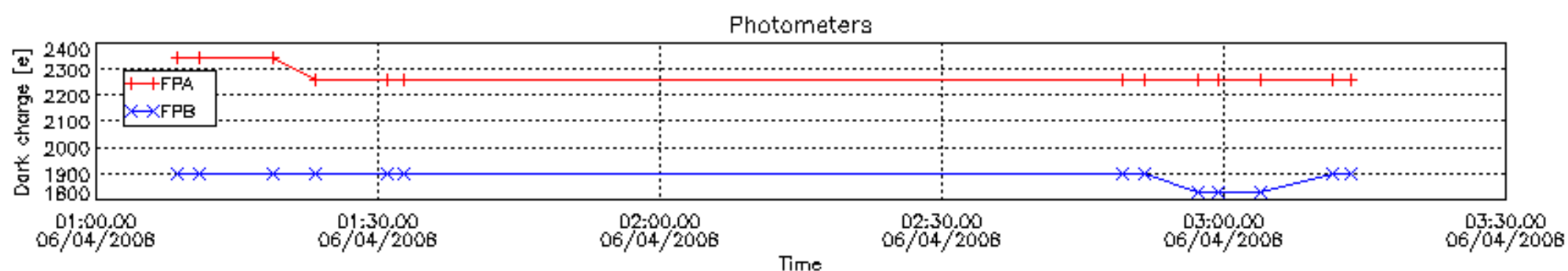
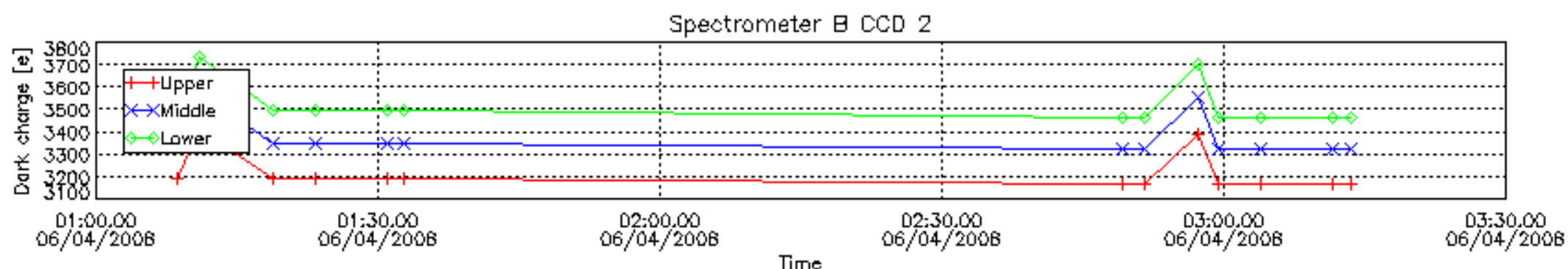
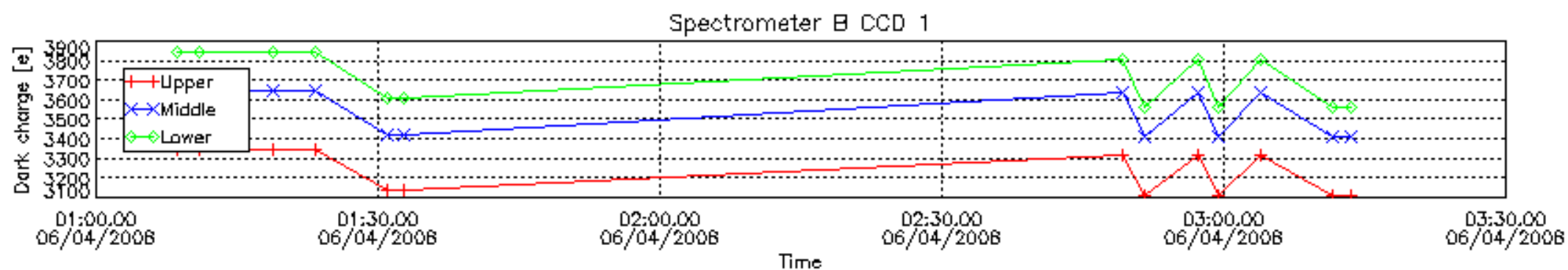
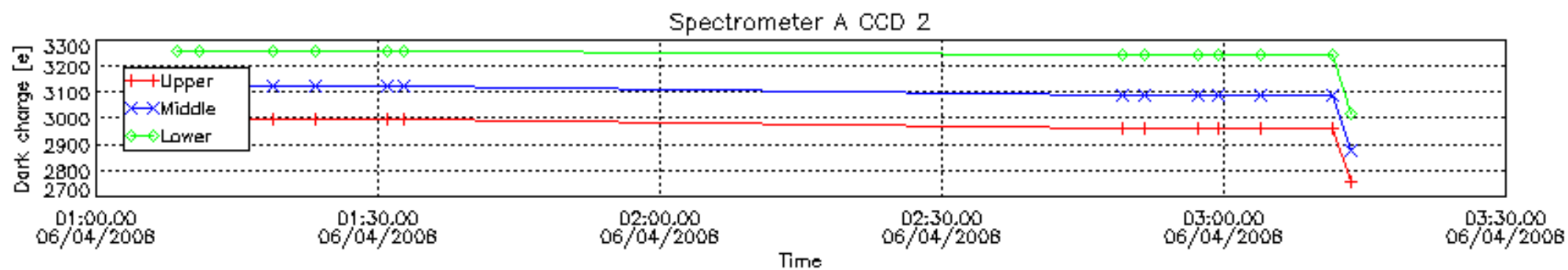
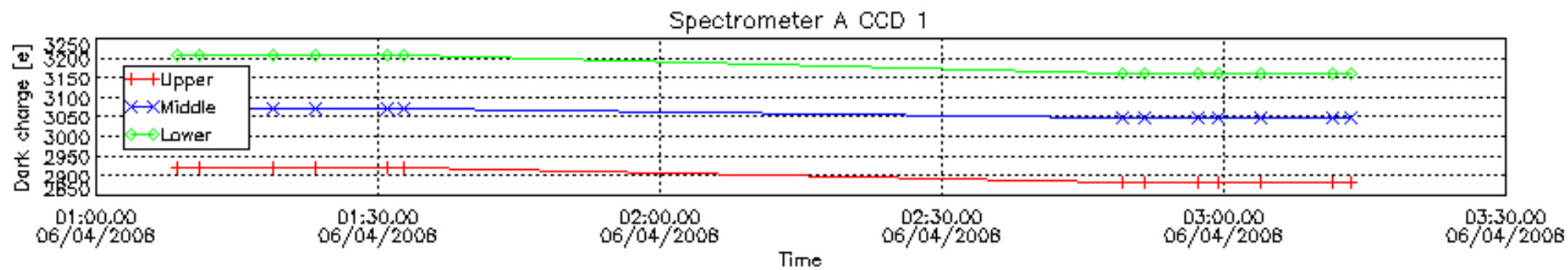
The number reported in the third column indicates since which file (see list in section 2.4) the corresponding auxiliary file has been used. The fourth column is the date of those product files.

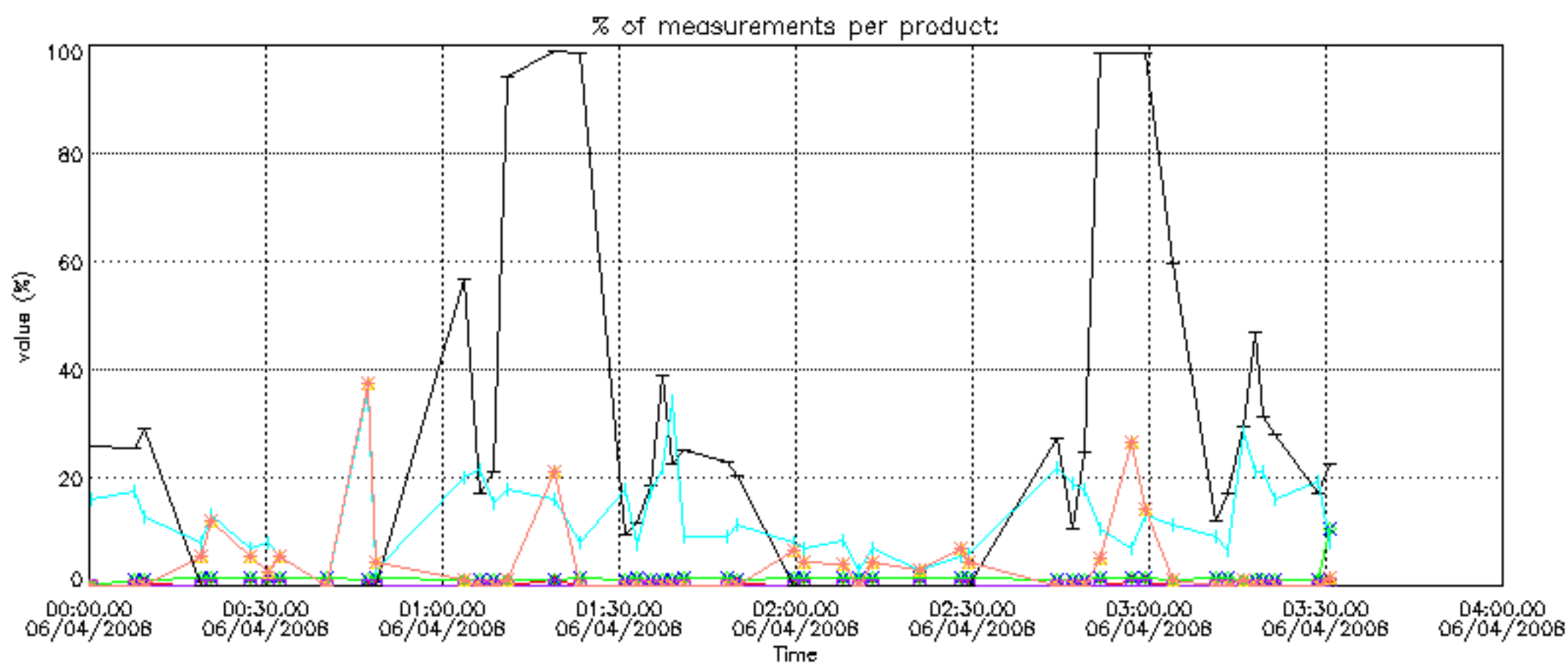
Type	Auxiliary Filename	Used since product	Used since product date
INST_PHYS_CHARACTERISTICS	GOM_INS_AXNIEC20050627_150713_20030716_120000_20100101_000000	1	06-APR-2008 00:00:16
CALIBRATION_DATABASE	GOM_CAL_AXVIEC20080401_074641_20080330_000000_20100101_000000	1	06-APR-2008 00:00:16
LEVEL-1B_PROC_CONFIG	GOM_PR1_AXNIEC20050627_151042_20020301_000000_20100101_000000	1	06-APR-2008 00:00:16
STAR_CATALOGUE	GOM_CAT_AXVIEC20020121_161009_20020101_000000_20200101_000000	1	06-APR-2008 00:00:16
STELLAR_SPECTRA_DATABANK	GOM_STS_AXNIEC20040308_103538_20020101_160000_20100101_000000	1	06-APR-2008 00:00:16
ECMWF_FILE	AUX_ECF_AXNECM20080405_072115_20080405_210000_20080406_090000	1	06-APR-2008 00:00:16
ECMWF_FILE	AUX_ECF_AXNECM20080405_190115_20080406_030000_20080406_150000	48	06-APR-2008 03:30:40
OPTIONAL_ECMWF_FILE	MISSING	1	06-APR-2008 00:00:16
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20080405_222027_000057382067_00273_31890_5351.N1	1	06-APR-2008 00:00:16
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20080406_000124_000060572067_00274_31891_5352.N1	24	06-APR-2008 01:48:10
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20080406_014740_000057382067_00275_31892_5353.N1	48	06-APR-2008 03:30:40



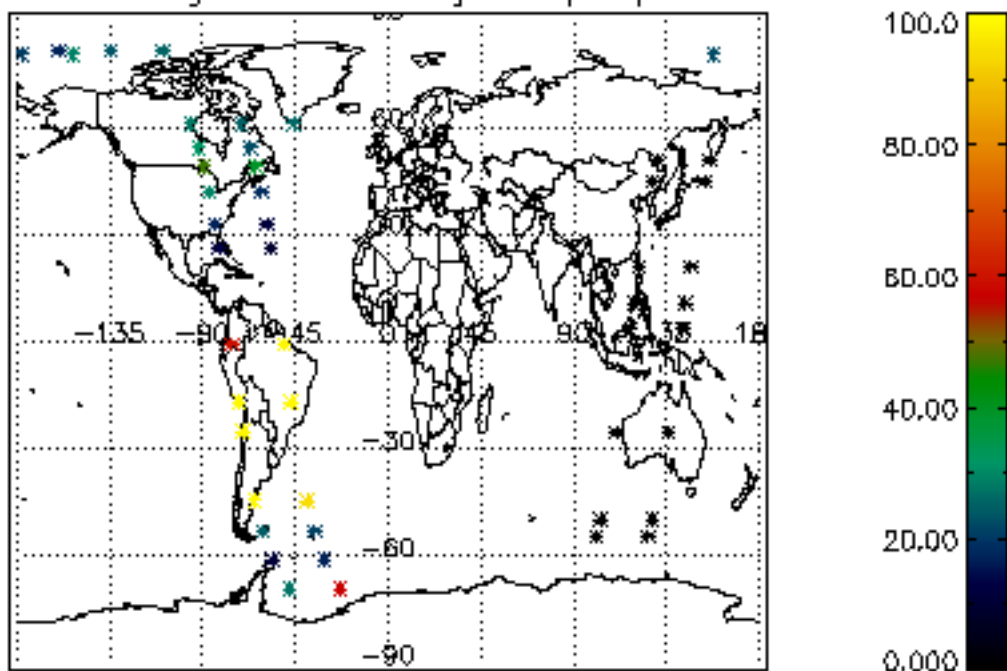




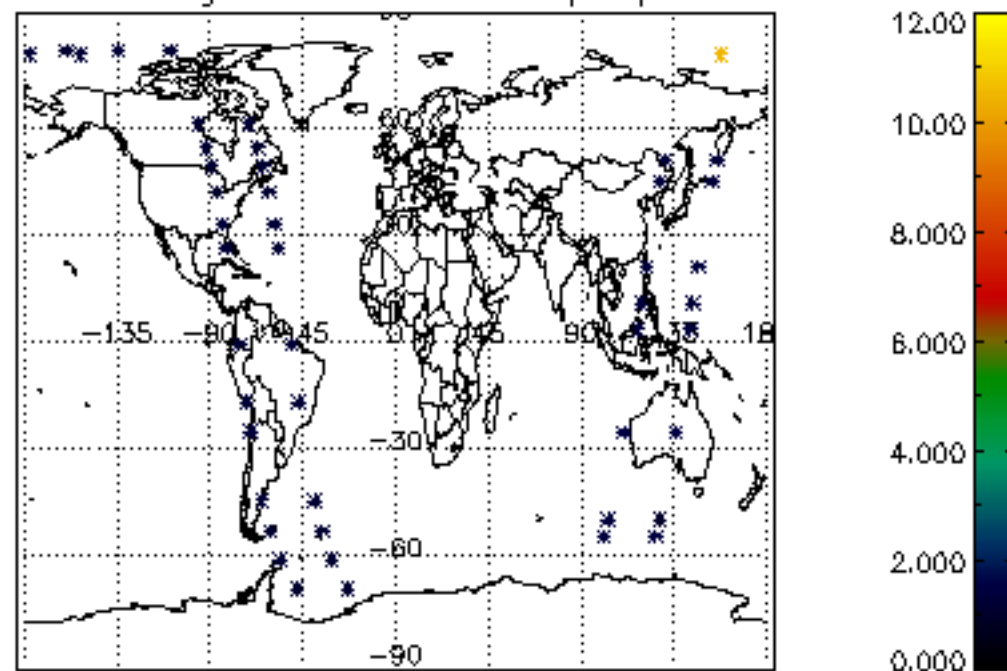




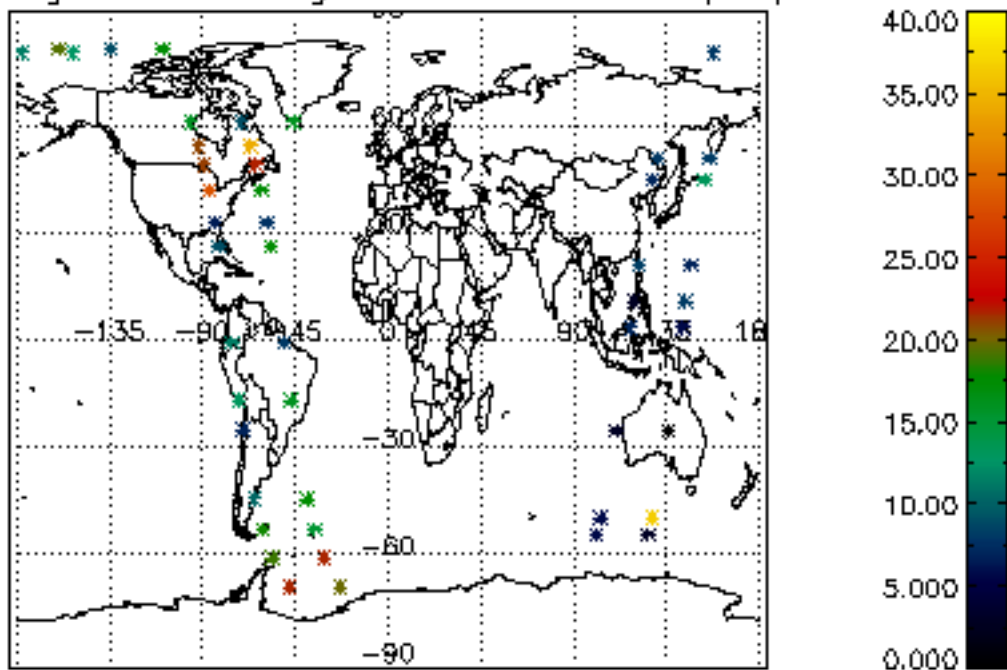
Percentage of cosmic ray hits per profile



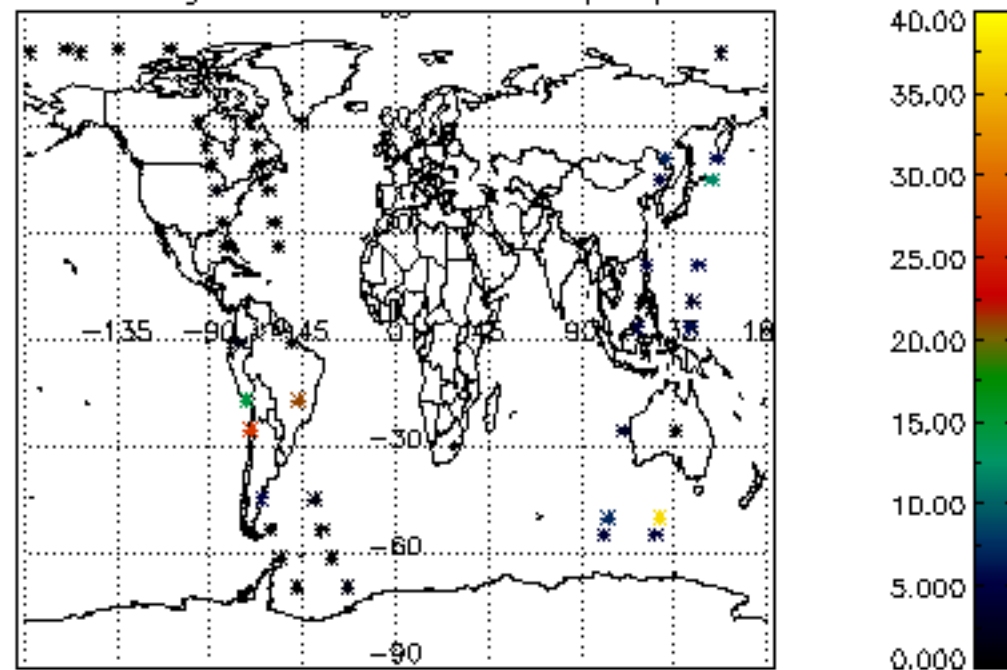
Percentage of datation errors per profile



Percentage of star falling outside central band per profile

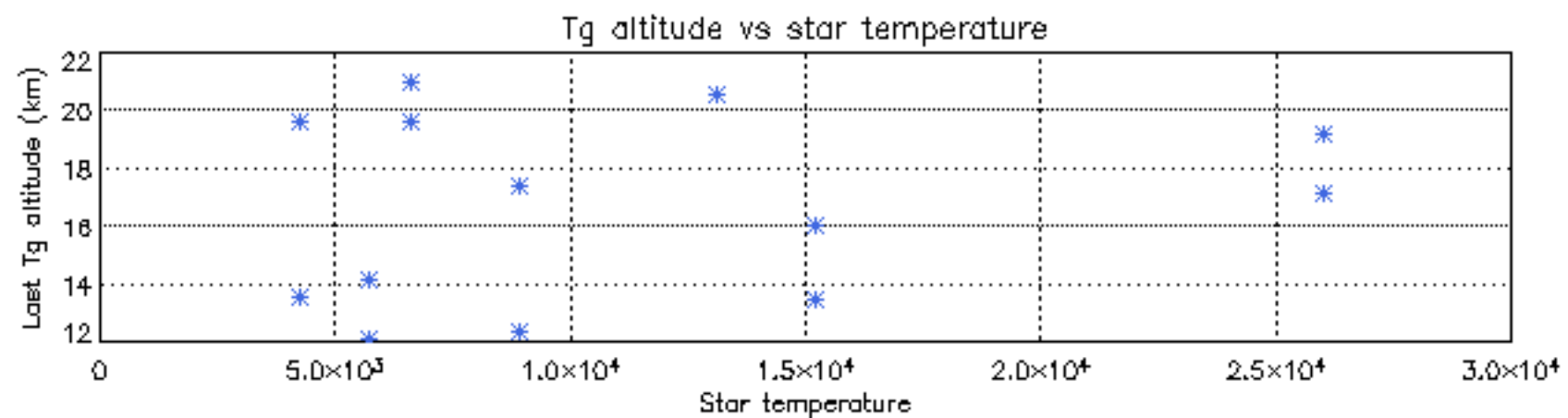
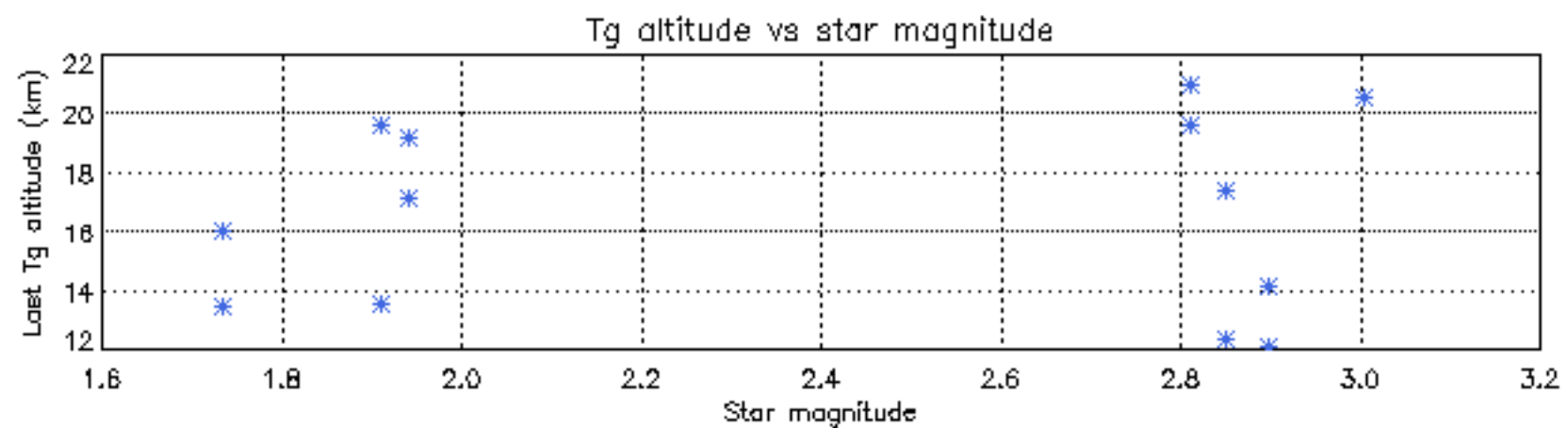
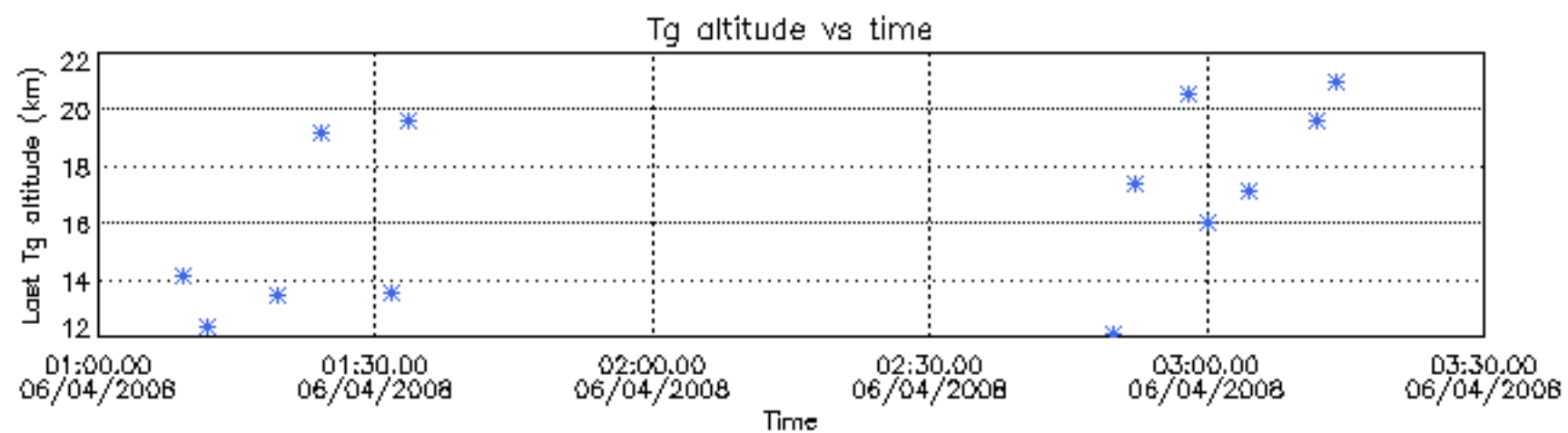


Percentage of saturation errors per profile

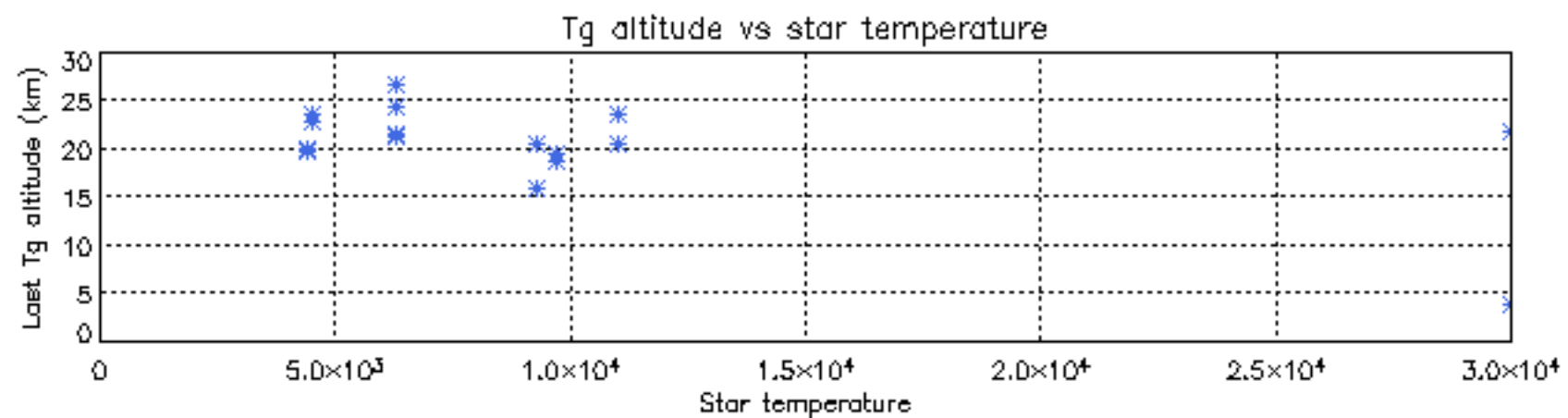
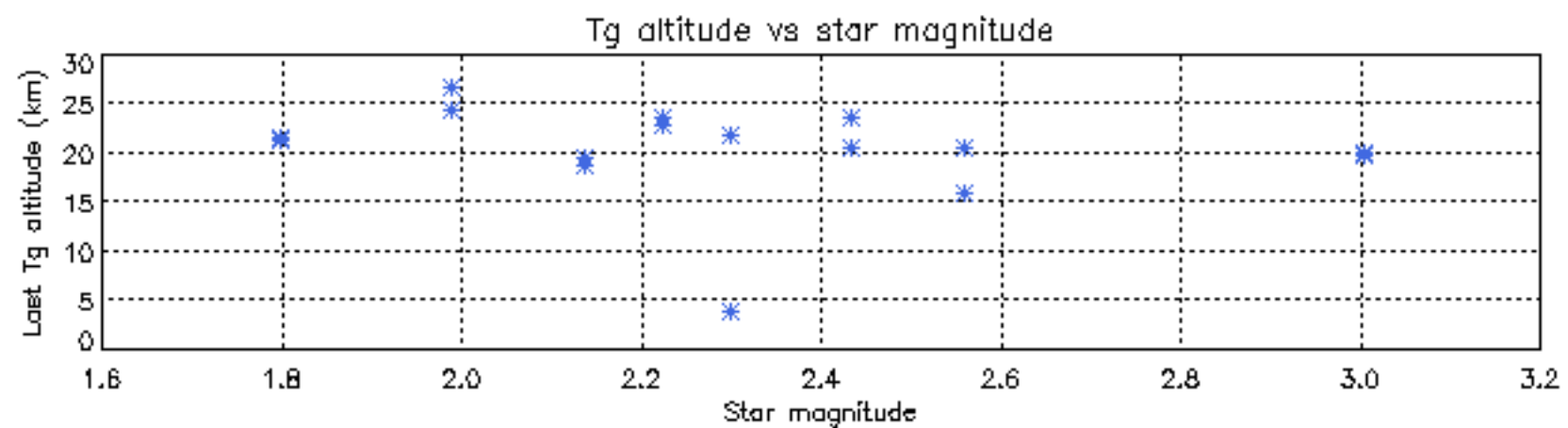
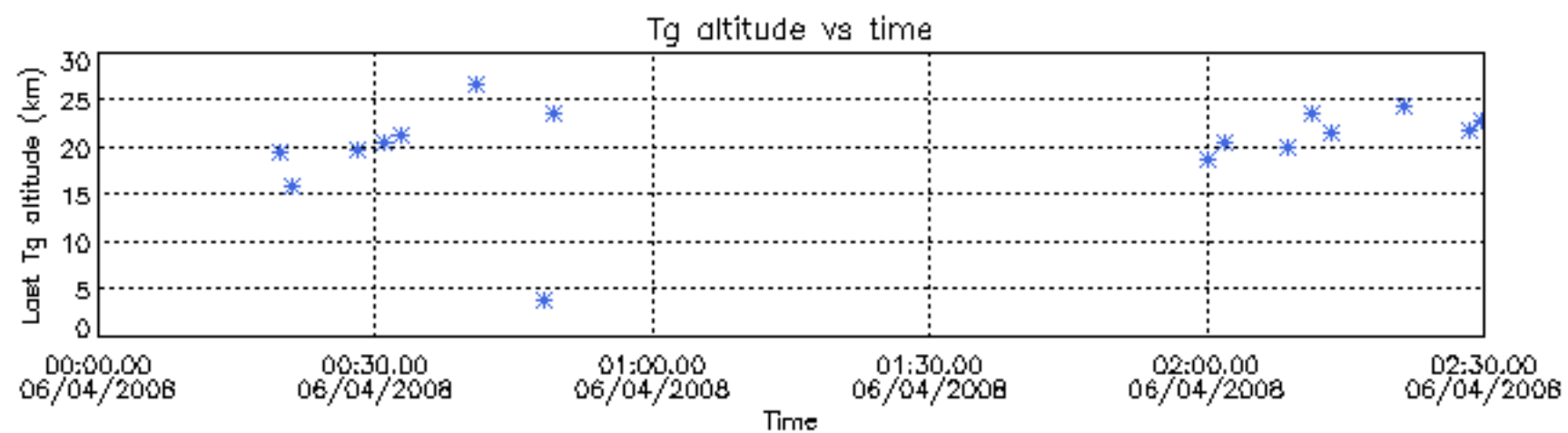




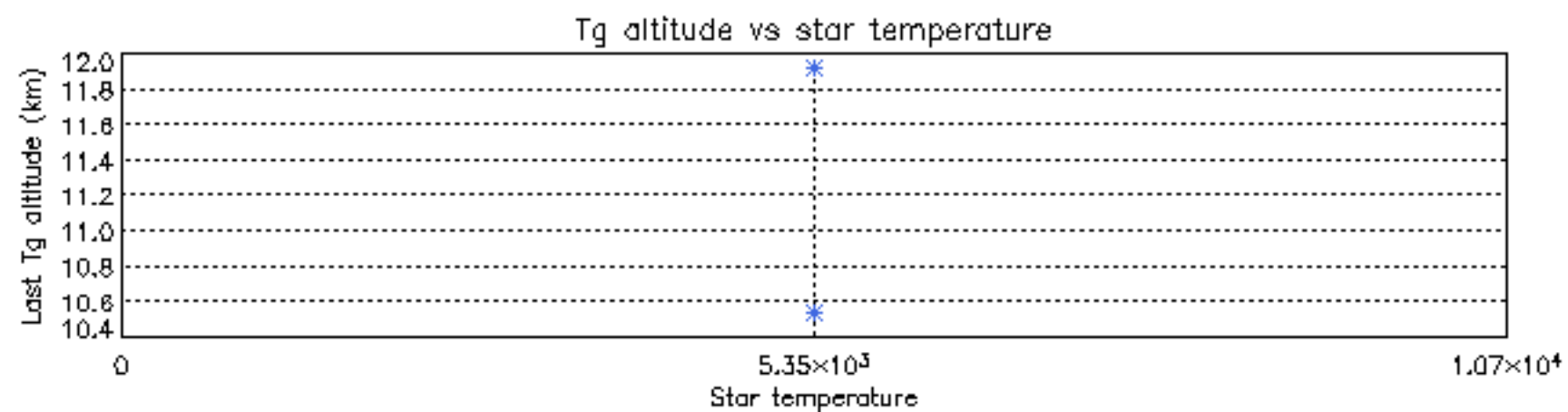
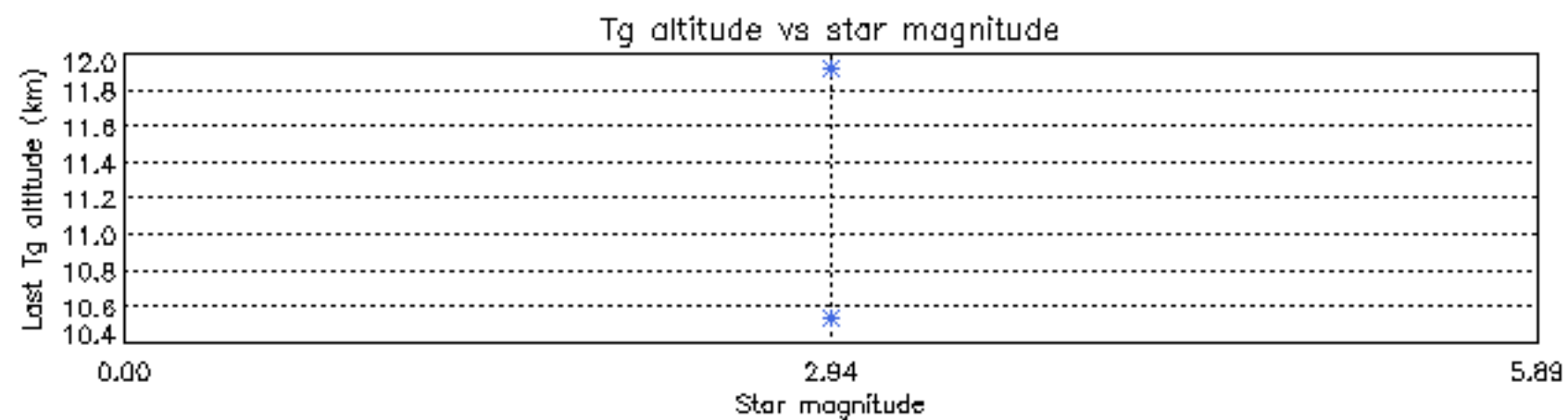
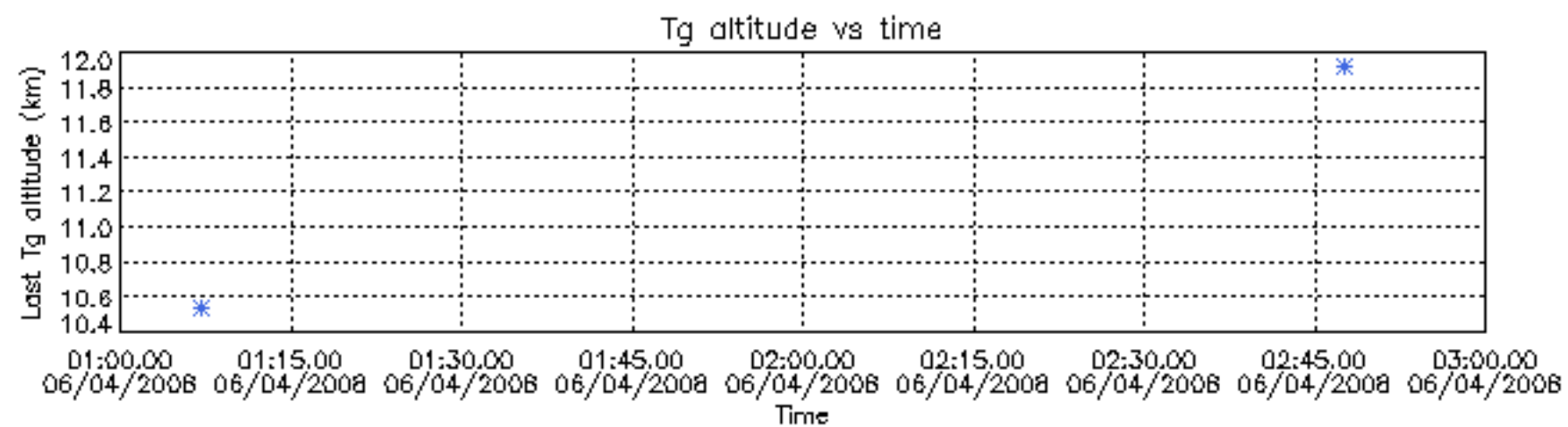
Tangent altitude at which the star is lost



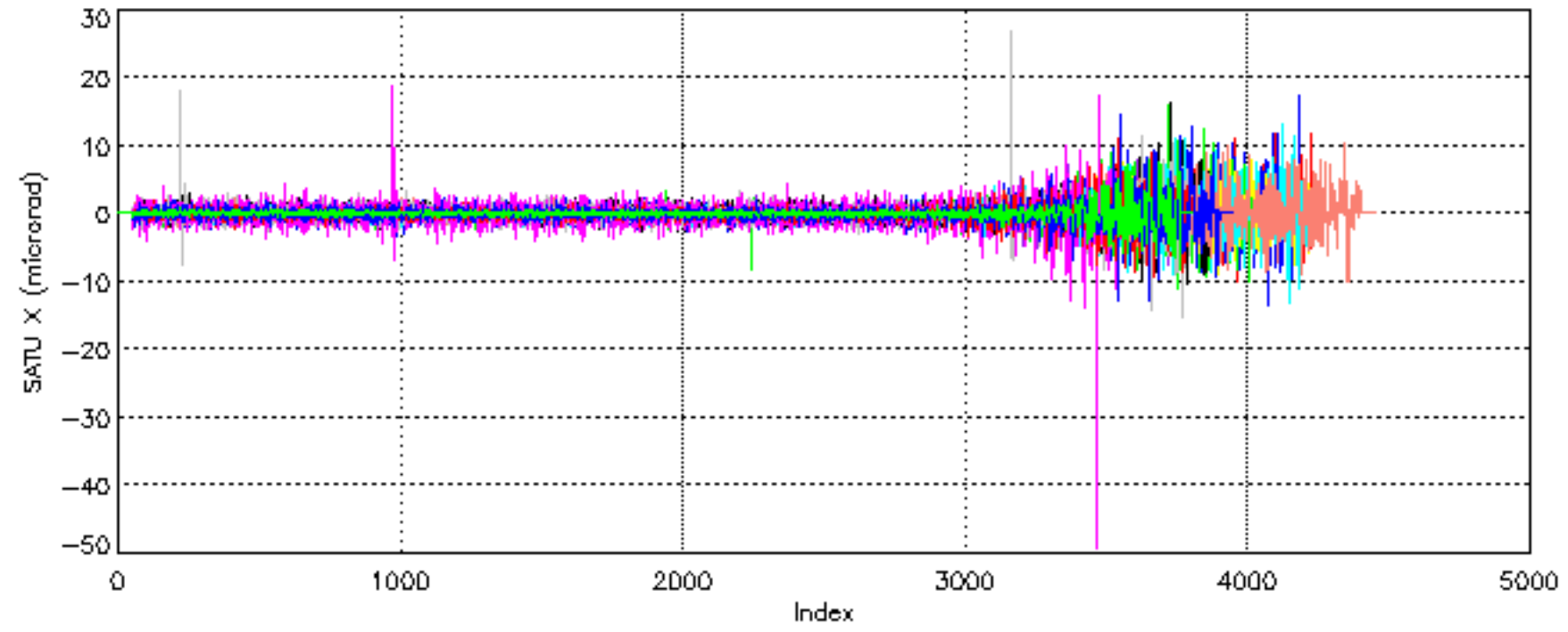
Tangent altitude at which the star is lost

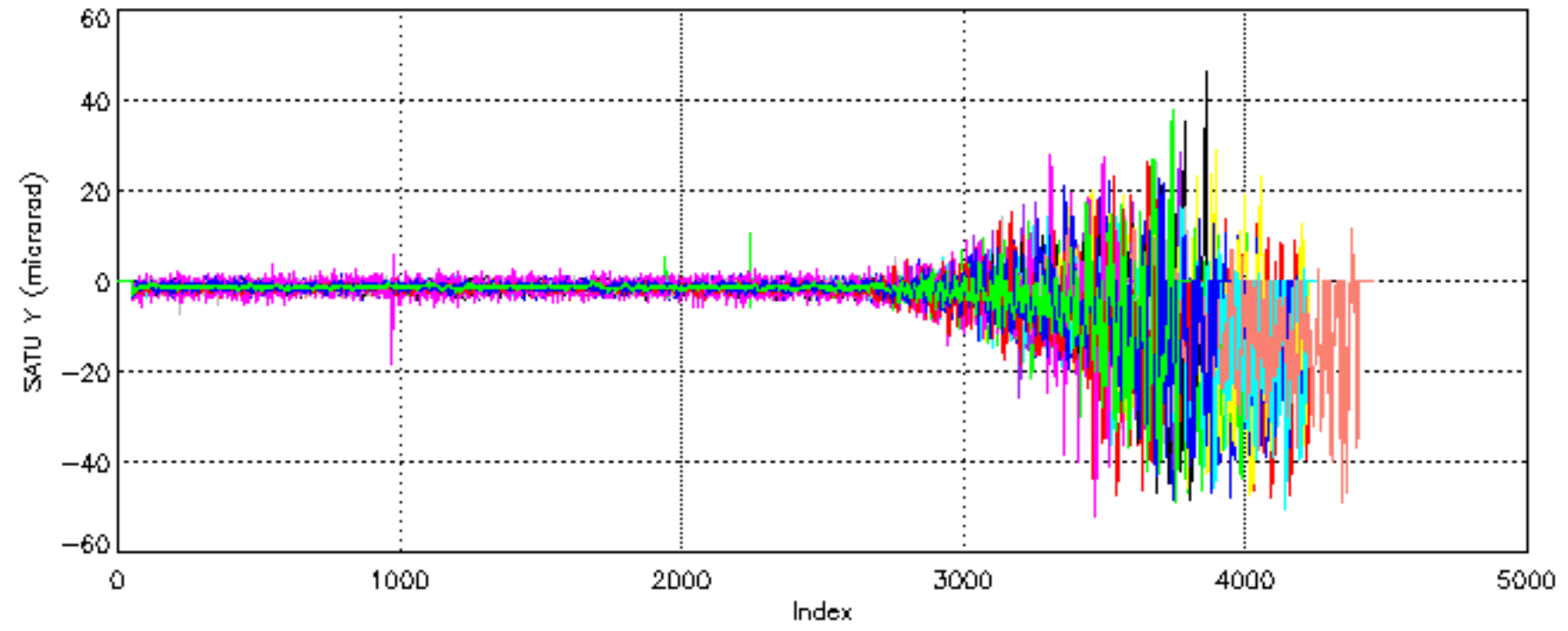


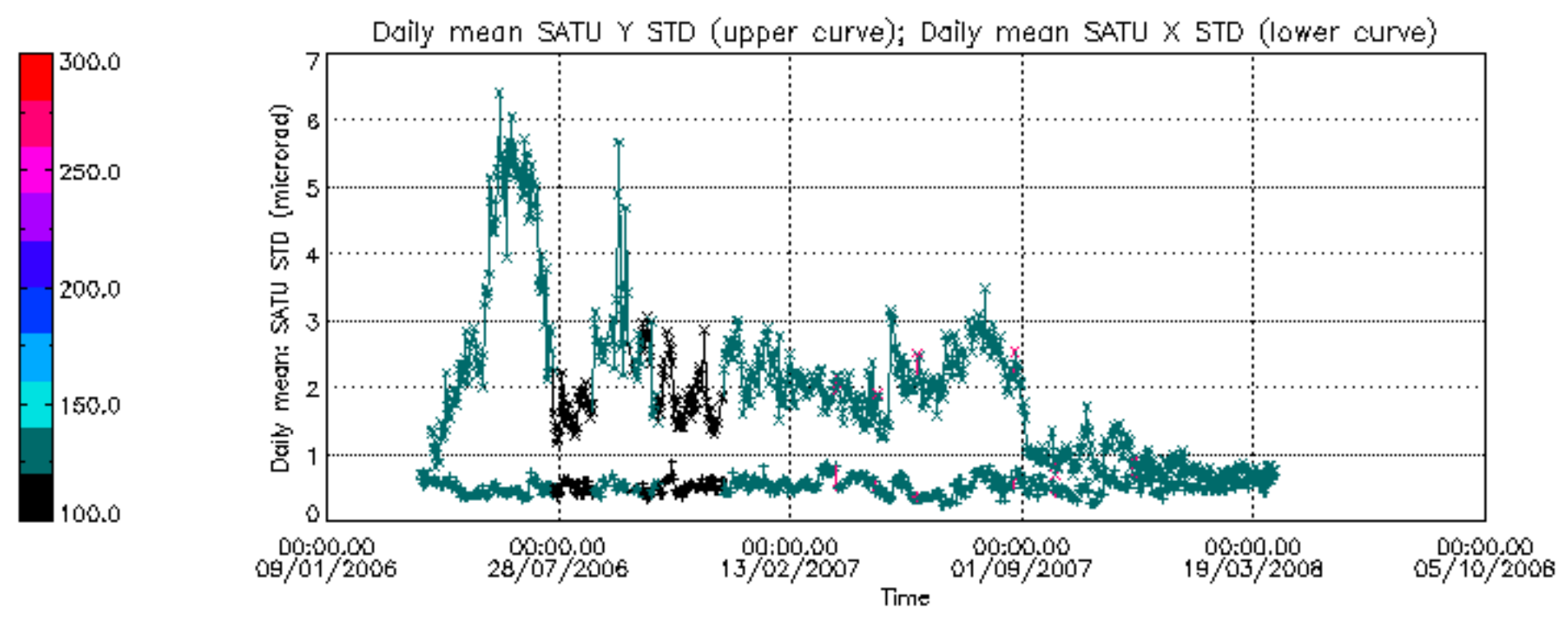
Tangent altitude at which the star is lost











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1;	2160.3;	01-APR-2008	06:18:16;	Bright;	38.0;	62;	94Bet Leo	;	2.14;	9700;occ;	76;	0;	31823	
2;	2257.5;	01-APR-2008	06:19:53;	Bright;	35.5;	96;	68Del Leo	;	2.56;	9300;occ;	71;	0;	31823	
3;	2666.1;	01-APR-2008	06:26:42;	Bright;	35.5;	174;	52Psi UMa	;	3.00;	4400;occ;	71;	0;	31823	
4;	2846.9;	01-APR-2008	06:29:43;	Bright;	36.0;	87;	64Gam UMa	;	2.43;	11000;occ;	72;	0;	31823	
5;	2957.8;	01-APR-2008	06:31:33;	Bright;	37.0;	36;	50Alp UMa	;	1.80;	6300;occ;	74;	0;	31823	
6;	3440.4;	01-APR-2008	06:39:36;	Bright;	36.5;	49;	1Alp UMi	;	1.99;	6300;occ;	73;	0;	31823	
7;	3901.8;	01-APR-2008	06:47:17;	Bright;	37.0;	89;	5Alp Cep	;	2.45;	8000;occ;	74;	0;	31823	
8;	4829.7;	01-APR-2008	07:02:45;	Dark	;	61;	8Eps Peg	;	2.10;	3900;occ;	88;	0;	31823	
9;	5105.8;	01-APR-2008	07:07:21;	Dark	;	154;	22Bet Aqr	;	2.90;	5700;occ;	78;	0;	31823	
10;	5259.9;	01-APR-2008	07:09:56;	Dark	;	40.0;	142;	49Del Cap	;	2.85;	8900;occ;	80;	0;	31823
11;	5595.9;	01-APR-2008	07:15:32;	Dark	;	37.0;	172;	Gam Gru	;	3.00;	13100;occ;	74;	0;	31823
12;	5868.5;	01-APR-2008	07:20:04;	Dark	;	59.5;	0;		;	0.00;	0;occ;	119;	0;	31823
13;	5994.8;	01-APR-2008	07:22:10;	Dark	;	38.5;	45;	Alp Pav	;	1.94;	26000;occ;	77;	0;	31823
14;	6445.8;	01-APR-2008	07:29:41;	Dark	;	38.5;	43;	Alp TrA	;	1.91;	4250;occ;	77;	0;	31823
15;	6557.4;	01-APR-2008	07:31:33;	Dark	;	40.0;	134;	Bet TrA	;	2.81;	6600;occ;	80;	0;	31823
16;	6715.3;	01-APR-2008	07:34:11;	Dark	;	44.5;	4;	Alp1Cen	;	-0.01;	5800;occ;	89;	0;	31823
17;	6850.2;	01-APR-2008	07:36:26;	Dark	;	40.5;	12;	Alp1Cru	;	0.77;	30000;occ;	81;	0;	31823
18;	6937.4;	01-APR-2008	07:37:53;	Dark	;	41.5;	26;	Gam Cru	;	1.62;	2900;occ;	83;	0;	31823
19;	7054.0;	01-APR-2008	07:39:50;	Dark	;	39.0;	64;	Gam Cen	;	2.20;	10600;occ;	78;	0;	31823
20;	7208.5;	01-APR-2008	07:42:24;	Dark	;	43.5;	123;	Iot Cen	;	2.75;	10200;occ;	87;	0;	31823
21;	7498.5;	01-APR-2008	07:47:14;	Dark	;	45.5;	106;	9Bet Crv	;	2.65;	5600;occ;	91;	0;	31823
22;	7615.9;	01-APR-2008	07:49:12;	Dark	;	39.0;	100;	4Gam Crv	;	2.58;	13100;occ;	78;	0;	31823

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1;	2160.2;	01-APR-2008	07:58:52;	Bright;	37.5;	62;	94Bet Leo	;	2.14;	9700;occ;	75;	0;	31824	
2;	2257.4;	01-APR-2008	08:00:29;	Bright;	35.0;	96;	68Del Leo	;	2.56;	9300;occ;	70;	0;	31824	
3;	2666.0;	01-APR-2008	08:07:18;	Bright;	35.0;	174;	52Psi UMa	;	3.00;	4400;occ;	70;	0;	31824	
4;	2846.6;	01-APR-2008	08:10:18;	Bright;	37.0;	87;	64Gam UMa	;	2.43;	11000;occ;	74;	0;	31824	
5;	2957.7;	01-APR-2008	08:12:09;	Bright;	35.0;	36;	50Alp UMa	;	1.80;	6300;occ;	70;	0;	31824	
6;	3440.4;	01-APR-2008	08:20:12;	Bright;	34.0;	49;	1Alp UMi	;	1.99;	6300;occ;	68;	0;	31824	
7;	3901.9;	01-APR-2008	08:27:53;	Bright;	37.5;	89;	5Alp Cep	;	2.45;	8000;occ;	75;	0;	31824	
8;	4829.9;	01-APR-2008	08:43:22;	Dark	;	45.5;	61;	8Eps Peg	;	2.10;	3900;occ;	91;	0;	31824
9;	5106.2;	01-APR-2008	08:47:58;	Dark	;	42.5;	154;	22Bet Aqr	;	2.90;	5700;occ;	85;	0;	31824
10;	5260.2;	01-APR-2008	08:50:32;	Dark	;	38.5;	142;	49Del Cap	;	2.85;	8900;occ;	77;	0;	31824
11;	5596.0;	01-APR-2008	08:56:08;	Dark	;	38.5;	172;	Gam Gru	;	3.00;	13100;occ;	77;	0;	31824
12;	5868.8;	01-APR-2008	09:00:40;	Dark	;	59.5;	0;		;	0.00;	0;occ;	119;	0;	31824
13;	5995.1;	01-APR-2008	09:02:47;	Dark	;	37.0;	45;	Alp Pav	;	1.94;	26000;occ;	74;	0;	31824
14;	6446.2;	01-APR-2008	09:10:18;	Dark	;	39.0;	43;	Alp TrA	;	1.91;	4250;occ;	78;	0;	31824
15;	6557.8;	01-APR-2008	09:12:09;	Dark	;	38.0;	134;	Bet TrA	;	2.81;	6600;occ;	76;	0;	31824
16;	6715.7;	01-APR-2008	09:14:47;	Dark	;	46.5;	4;	Alp1Cen	;	-0.01;	5800;occ;	93;	0;	31824
17;	6850.4;	01-APR-2008	09:17:02;	Dark	;	41.5;	12;	Alp1Cru	;	0.77;	30000;occ;	83;	0;	31824
18;	6937.6;	01-APR-2008	09:18:29;	Dark	;	42.0;	26;	Gam Cru	;	1.62;	2900;occ;	84;	0;	31824
19;	7054.2;	01-APR-2008	09:20:26;	Dark	;	38.5;	64;	Gam Cen	;	2.20;	10600;occ;	77;	0;	31824
20;	7208.8;	01-APR-2008	09:23:00;	Dark	;	43.0;	123;	Iot Cen	;	2.75;	10200;occ;	86;	0;	31824
21;	7498.5;	01-APR-2008	09:27:50;	Dark	;	46.0;	106;	9Bet Crv	;	2.65;	5600;occ;	92;	0;	31824
22;	7615.8;	01-APR-2008	09:29:47;	Dark	;	42.0;	100;	4Gam Crv	;	2.58;	13100;occ;	84;	0;	31824

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1;	2160.1;	01-APR-2008	09:39:28;	Bright;	39.0;	62;	94Bet Leo	;	2.14;	9700;occ;	78;	0;	31825	
2;	2257.4;	01-APR-2008	09:41:05;	Bright;	36.0;	96;	68Del Leo	;	2.56;	9300;occ;	72;	0;	31825	
3;	2666.0;	01-APR-2008	09:47:53;	Bright;	36.5;	174;	52Psi UMa	;	3.00;	4400;occ;	73;	0;	31825	
4;	2846.3;	01-APR-2008	09:50:54;	Bright;	36.0;	87;	64Gam UMa	;	2.43;	11000;occ;	72;	0;	31825	
5;	2957.7;	01-APR-2008	09:52:45;	Bright;	37.0;	36;	50Alp UMa	;	1.80;	6300;occ;	74;	0;	31825	
6;	3440.3;	01-APR-2008	10:00:48;	Bright;	36.5;	49;	1Alp UMi	;	1.99;	6300;occ;	73;	0;	31825	
7;	3901.7;	01-APR-2008	10:08:29;	Bright;	35.0;	89;	5Alp Cep	;	2.45;	8000;occ;	70;	0;	31825	
8;	4830.2;	01-APR-2008	10:23:58;	Dark	;	45.5;	61;	8Eps Peg	;	2.10;	3900;occ;	91;	0;	31825
9;	5106.5;	01-APR-2008	10:28:34;	Dark	;	42.0;	154;	22Bet Aqr	;	2.90;	5700;occ;	84;	0;	31825
10;	5260.5;	01-APR-2008	10:31:08;	Dark	;	41.0;	142;	49Del Cap	;	2.85;	8900;occ;	82;	0;	31825
11;	5596.2;	01-APR-2008	10:36:44;	Dark	;	37.0;	172;	Gam Gru	;	3.00;	13100;occ;	74;	0;	31825
12;	5869.2;	01-APR-2008	10:41:17;	Dark	;	59.5;	0;		;	0.00;	0;occ;	119;	0;	31825
13;	5995.5;	01-APR-2008	10:43:23;	Dark	;	37.0;	45;	Alp Pav	;	1.94;	26000;occ;	74;	0;	31825
14;	6446.5;	01-APR-2008	10:50:54;	Dark	;	37.5;	43;	Alp TrA	;	1.91;	4250;occ;	75;	0;	31825
15;	6558.3;	01-APR-2008	10:52:46;	Dark	;	37.5;	134;	Bet TrA	;	2.81;	6600;occ;	75;	0;	31825
16;	6716.2;	01-APR-2008	10:55:24;	Dark	;	52.0;	4;	Alp1Cen	;	-0.01;	5800;occ;	104;	0;	31825
17;	6850.5;	01-APR-2008	10:57:38;	Dark	;	40.5;	12;	Alp1Cru	;	0.77;	30000;occ;	81;	0;	31825
18;	6937.8;	01-APR-2008	10:59:05;	Dark	;	41.0;	26;	Gam Cru	;	1.62;	2900;occ;	82;	0;	31825
19;	7054.5;	01-APR-2008	11:01:02;	Dark	;	38.0;	64;	Gam Cen	;	2.20;	10600;occ;	76;	0;	31825
20;	7209.3;	01-APR-2008	11:03:37;	Dark	;	41.5;	123;	Iot Cen	;	2.75;	10200;occ;	83;	0;	31825
21;	7498.7;	01-APR-2008	11:08:26;	Dark	;	47.0;	106;	9Bet Crv	;	2.65;	5600;occ;	94;	0;	31825



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22; 7615.9; 01-APR-2008 11:10:23; Dark ; 42.5; 100; 4Gam Crv ; 2.58; 13100;occ; 85; 0;31825
/nas3/ENVISAT/GOMOS/GOM_NL__0P/GOM_NL__0PNPDK20080401_112003_000054962067_00209_31826_0574.N1
1; 2160.1; 01-APR-2008 11:20:03; Bright; 37.5; 62; 94Bet Leo ; 2.14; 9700;occ; 75; 0;31826
2; 2257.3; 01-APR-2008 11:21:41; Bright; 36.0; 96; 68Del Leo ; 2.56; 9300;occ; 72; 0;31826
3; 2665.9; 01-APR-2008 11:28:29; Bright; 37.5; 174; 52Psi UMa ; 3.00; 4400;occ; 75; 0;31826
4; 2846.0; 01-APR-2008 11:31:29; Bright; 37.0; 87; 64Gam UMa ; 2.43; 11000;occ; 74; 0;31826
5; 2957.6; 01-APR-2008 11:33:21; Bright; 37.5; 36; 50Alp UMa ; 1.80; 6300;occ; 75; 0;31826
6; 3440.5; 01-APR-2008 11:41:24; Bright; 32.5; 49; 1Alp UMi ; 1.99; 6300;occ; 65; 0;31826
7; 3901.7; 01-APR-2008 11:49:05; Bright; 54.0; 89; 5Alp Cep ; 2.45; 8000;occ; 108; 0;31826
8; 4830.4; 01-APR-2008 12:04:34; Dark ; 44.5; 61; 8Eps Peg ; 2.10; 3900;occ; 89; 0;31826
9; 5106.9; 01-APR-2008 12:09:10; Dark ; 43.0; 154; 22Bet Aqr ; 2.90; 5700;occ; 86; 0;31826
10; 5260.8; 01-APR-2008 12:11:44; Dark ; 38.5; 142; 49Del Cap ; 2.85; 8900;occ; 77; 0;31826
11; 5596.6; 01-APR-2008 12:17:20; Dark ; 35.5; 172; Gam Gru ; 3.00; 13100;occ; 71; 0;31826
12; 5869.6; 01-APR-2008 12:21:53; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;31826
13; 6447.0; 01-APR-2008 12:31:30; Dark ; 40.5; 43; Alp TrA ; 1.91; 4250;occ; 81; 0;31826
14; 6558.7; 01-APR-2008 12:33:22; Dark ; 39.5; 134; Bet TrA ; 2.81; 6600;occ; 79; 0;31826
15; 6716.6; 01-APR-2008 12:36:00; Dark ; 42.0; 4; Alp1Cen ;-0.01; 5800;occ; 84; 0;31826
16; 6850.8; 01-APR-2008 12:38:14; Dark ; 37.5; 12; Alp1Cru ; 0.77; 30000;occ; 75; 0;31826
17; 6938.1; 01-APR-2008 12:39:41; Dark ; 48.0; 26; Gam Cru ; 1.62; 2900;occ; 96; 0;31826
18; 7054.8; 01-APR-2008 12:41:38; Dark ; 36.0; 64; Gam Cen ; 2.20; 10600;occ; 72; 0;31826
19; 7209.5; 01-APR-2008 12:44:13; Dark ; 42.0; 123; Tot Cen ; 2.75; 10200;occ; 84; 0;31826
20; 7498.9; 01-APR-2008 12:49:02; Dark ; 42.5; 106; 9Bet Crv ; 2.65; 5600;occ; 85; 0;31826
21; 7616.1; 01-APR-2008 12:50:59; Dark ; 40.5; 100; 4Gam Crv ; 2.58; 13100;occ; 81; 0;31826
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22; 7501.3; 02-APR-2008 08:56:16; Dark ; 43.5; 106; 9Bet Crv ; 2.65; 5600;occ; 87; 0;31838  
23; 7617.7; 02-APR-2008 08:58:12; Dark ; 40.0; 100; 4Gam Crv ; 2.58; 13100;occ; 80; 0;31838

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3; 2665.3; 02-APR-2008 09:16:16; Bright; 36.0; 174; 52Psi UMa ; 3.00; 4400;occ; 72; 0;31839  
4; 2843.3; 02-APR-2008 09:19:14; Bright; 37.0; 87; 64Gam UMA ; 2.43; 11000;occ; 74; 0;31839  
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6; 3440.6; 02-APR-2008 09:29:11; Bright; 36.0; 49; 1Alp UMi ; 1.99; 6300;occ; 72; 0;31839  
7; 3900.8; 02-APR-2008 09:36:51; Bright; 35.5; 89; 5Alp Cep ; 2.45; 8000;occ; 71; 0;31839  
8; 4834.1; 02-APR-2008 09:52:25; Dark ; 45.5; 61; 8Eps Peg ; 2.10; 3900;occ; 91; 0;31839  
9; 4984.1; 02-APR-2008 09:54:54; Dark ; 41.0; 162; 34Alp Aqr ; 2.94; 5350;occ; 82; 0;31839  
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11; 5265.2; 02-APR-2008 09:59:36; Dark ; 40.5; 142; 49Del Cap ; 2.85; 8900;occ; 81; 0;31839  
12; 5599.8; 02-APR-2008 10:05:10; Dark ; 36.5; 172; Gam Gru ; 3.00; 13100;occ; 73; 0;31839  
13; 5874.8; 02-APR-2008 10:09:45; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;31839  
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17; 6722.5; 02-APR-2008 10:23:53; Dark ; 46.5; 4; Alp1Cen ;-0.01; 5800;occ; 93; 0;31839  
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22; 7501.5; 02-APR-2008 10:36:52; Dark ; 46.0; 106; 9Bet Crv ; 2.65; 5600;occ; 92; 0;31839  
23; 7617.8; 02-APR-2008 10:38:48; Dark ; 41.5; 100; 4Gam Crv ; 2.58; 13100;occ; 83; 0;31839

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4; 2843.1; 02-APR-2008 10:59:49; Bright; 35.5; 87; 64Gam UMA ; 2.43; 11000;occ; 71; 0;31840  
5; 2956.9; 02-APR-2008 11:01:43; Bright; 38.0; 36; 50Alp UMA ; 1.80; 6300;occ; 76; 0;31840  
6; 3440.5; 02-APR-2008 11:09:47; Bright; 32.5; 49; 1Alp UMi ; 1.99; 6300;occ; 65; 0;31840  
7; 3900.8; 02-APR-2008 11:17:27; Bright; 37.0; 89; 5Alp Cep ; 2.45; 8000;occ; 74; 0;31840  
8; 4834.5; 02-APR-2008 11:33:01; Dark ; 45.0; 61; 8Eps Peg ; 2.10; 3900;occ; 90; 0;31840  
9; 4984.2; 02-APR-2008 11:35:31; Dark ; 41.0; 162; 34Alp Aqr ; 2.94; 5350;occ; 82; 0;31840  
10; 5112.3; 02-APR-2008 11:37:39; Dark ; 42.5; 154; 22Bet Aqr ; 2.90; 5700;occ; 85; 0;31840  
11; 5265.6; 02-APR-2008 11:40:12; Dark ; 40.0; 142; 49Del Cap ; 2.85; 8900;occ; 80; 0;31840  
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13; 5875.2; 02-APR-2008 11:50:21; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;31840  
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21; 7214.8; 02-APR-2008 12:12:41; Dark ; 39.5; 123; Iot Cen ; 2.75; 10200;occ; 79; 0;31840  
22; 7501.7; 02-APR-2008 12:17:28; Dark ; 42.0; 106; 9Bet Crv ; 2.65; 5600;occ; 84; 0;31840  
23; 7618.1; 02-APR-2008 12:19:24; Dark ; 41.5; 100; 4Gam Crv ; 2.58; 13100;occ; 83; 0;31840

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 3; 2257.5; 02-APR-2008 12:30:40; Bright; 35.0; 96; 68Del Leo ; 2.56; 9300;occ; 70; 0;31841  
 4; 2665.1; 02-APR-2008 12:37:27; Bright; 35.5; 174; 52Psi UMa ; 3.00; 4400;occ; 71; 0;31841  
 5; 2842.8; 02-APR-2008 12:40:25; Bright; 38.0; 87; 64Gam UMa ; 2.43; 11000;occ; 76; 0;31841  
 6; 2956.9; 02-APR-2008 12:42:19; Bright; 36.5; 36; 50Alp UMa ; 1.80; 6300;occ; 73; 0;31841  
 7; 3440.6; 02-APR-2008 12:50:23; Bright; 32.5; 49; 1Alp UMi ; 1.99; 6300;occ; 65; 0;31841  
 8; 3900.7; 02-APR-2008 12:58:03; Bright; 44.5; 89; 5Alp Cep ; 2.45; 8000;occ; 89; 0;31841  
 9; 4834.8; 02-APR-2008 13:13:37; Dark ; 47.0; 61; 8Eps Peg ; 2.10; 3900;occ; 94; 0;31841  
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 11; 5112.7; 02-APR-2008 13:18:15; Dark ; 43.5; 154; 22Bet Aqr ; 2.90; 5700;occ; 87; 0;31841  
 12; 5265.9; 02-APR-2008 13:20:48; Dark ; 39.0; 142; 49Del Cap ; 2.85; 8900;occ; 78; 0;31841  
 13; 5600.4; 02-APR-2008 13:26:23; Dark ; 38.0; 172; Gam Gru ; 3.00; 13100;occ; 76; 0;31841  
 14; 5875.6; 02-APR-2008 13:30:58; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;31841  
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 17; 6566.4; 02-APR-2008 13:42:29; Dark ; 38.5; 134; Bet TrA ; 2.81; 6600;occ; 77; 0;31841  
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 22; 7215.3; 02-APR-2008 13:53:17; Dark ; 43.5; 123; Tot Cen ; 2.75; 10200;occ; 87; 0;31841  
 23; 7501.9; 02-APR-2008 13:58:04; Dark ; 44.5; 106; 9Bet Crv ; 2.65; 5600;occ; 89; 0;31841

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 3; 2158.6; 02-APR-2008 14:09:37; Bright; 37.5; 62; 94Bet Leo ; 2.14; 9700;occ; 75; 0;31842  
 4; 2257.5; 02-APR-2008 14:11:16; Bright; 36.0; 96; 68Del Leo ; 2.56; 9300;occ; 72; 0;31842  
 5; 2665.2; 02-APR-2008 14:18:03; Bright; 36.5; 174; 52Psi UMa ; 3.00; 4400;occ; 73; 0;31842  
 6; 2842.7; 02-APR-2008 14:21:01; Bright; 36.5; 87; 64Gam UMa ; 2.43; 11000;occ; 73; 0;31842  
 7; 2957.0; 02-APR-2008 14:22:55; Bright; 38.0; 36; 50Alp UMa ; 1.80; 6300;occ; 76; 0;31842  
 8; 3440.7; 02-APR-2008 14:30:59; Bright; 33.5; 49; 1Alp UMi ; 1.99; 6300;occ; 67; 0;31842  
 9; 3900.8; 02-APR-2008 14:38:39; Bright; 37.5; 89; 5Alp Cep ; 2.45; 8000;occ; 75; 0;31842  
 10; 4835.1; 02-APR-2008 14:54:13; Dark ; 45.5; 61; 8Eps Peg ; 2.10; 3900;occ; 91; 0;31842  
 11; 4984.9; 02-APR-2008 14:56:43; Dark ; 40.5; 162; 34Alp Aqr ; 2.94; 5350;occ; 81; 0;31842  
 12; 5113.2; 02-APR-2008 14:58:51; Dark ; 42.0; 154; 22Bet Aqr ; 2.90; 5700;occ; 84; 0;31842  
 13; 5266.4; 02-APR-2008 15:01:24; Dark ; 39.5; 142; 49Del Cap ; 2.85; 8900;occ; 79; 0;31842  
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 19; 6724.0; 02-APR-2008 15:25:42; Dark ; 43.0; 4; Alp1Cen ;-0.01; 5800;occ; 86; 0;31842  
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 3; 2158.5; 02-APR-2008 15:50:13; Bright; 38.0; 62; 94Bet Leo ; 2.14; 9700;occ; 76; 0;31843  
 4; 2257.6; 02-APR-2008 15:51:52; Bright; 34.0; 96; 68Del Leo ; 2.56; 9300;occ; 68; 0;31843  
 5; 2665.2; 02-APR-2008 15:58:39; Bright; 37.0; 174; 52Psi UMa ; 3.00; 4400;occ; 74; 0;31843  
 6; 2842.4; 02-APR-2008 16:01:36; Bright; 35.0; 87; 64Gam UMa ; 2.43; 11000;occ; 70; 0;31843  
 7; 2956.8; 02-APR-2008 16:03:31; Bright; 37.5; 36; 50Alp UMa ; 1.80; 6300;occ; 75; 0;31843  
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 9; 3900.7; 02-APR-2008 16:19:15; Bright; 37.5; 89; 5Alp Cep ; 2.45; 8000;occ; 75; 0;31843  
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 12; 5113.6; 02-APR-2008 16:39:28; Dark ; 43.5; 154; 22Bet Aqr ; 2.90; 5700;occ; 87; 0;31843  
 13; 5266.7; 02-APR-2008 16:42:01; Dark ; 39.0; 142; 49Del Cap ; 2.85; 8900;occ; 78; 0;31843  
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 19; 6724.5; 02-APR-2008 17:06:18; Dark ; 52.5; 4; Alp1Cen ;-0.01; 5800;occ; 105; 0;31843



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12; 4985.4; 02-APR-2008 18:17:55; Dark ; 41.0; 162; 34Alp Aqr ; 2.94; 5350;occ; 82; 0;31844
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17; 6003.1; 02-APR-2008 18:34:53; Dark ; 38.0; 45; Alp Pav ; 1.94; 26000;occ; 76; 0;31844
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19; 6568.0; 02-APR-2008 18:44:18; Dark ; 38.5; 134; Bet TrA ; 2.81; 6600;occ; 77; 0;31844
20; 6724.9; 02-APR-2008 18:46:55; Dark ; 54.5; 4; Alp1Cen ; -0.01; 5800;occ; 109; 0;31844
21; 6854.9; 02-APR-2008 18:49:05; Dark ; 47.0; 12; Alp1Cru ; 0.77; 30000;occ; 94; 0;31844
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 9; 3900.1; 03-APR-2008 00:42:14; Bright; 37.0; 89; 5Alp Cep ; 2.45; 8000;occ; 74; 0;31848  
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 5; 2841.0; 03-APR-2008 03:45:46; Bright; 36.0; 87; 64Gam UMa ; 2.43; 11000;occ; 72; 0;31850  
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13; 4993.3; 04-APR-2008 17:14:49; Dark ; 40.0; 162; 34Alp Aqr ; 2.94; 5350;occ; 80; 0;31872
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15; 5277.1; 04-APR-2008 17:19:33; Dark ; 40.0; 142; 49Del Cap ; 2.85; 8900;occ; 80; 0;31872
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19; 6466.4; 04-APR-2008 17:39:22; Dark ; 40.0; 43; Alp TrA ; 1.91; 4250;occ; 80; 0;31872
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3; 1471.7; 04-APR-2008 17:56:44; Dark ; 47.0; 106; 9Bet Crv ; 2.65; 5600;occ; 94; 0;31873
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6; 2258.7; 04-APR-2008 18:09:51; Bright; 34.5; 96; 68Del Leo ; 2.56; 9300;occ; 69; 0;31873
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8; 2836.7; 04-APR-2008 18:19:28; Bright; 54.0; 87; 64Gam UMa ; 2.43; 11000;occ; 108; 0;31873
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16; 5277.5; 04-APR-2008 19:00:09; Dark ; 42.0; 142; 49Del Cap ; 2.85; 8900;occ; 84; 0;31873
17; 5609.2; 04-APR-2008 19:05:41; Dark ; 37.0; 172; Gam Gru ; 3.00; 13100;occ; 74; 0;31873
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22; 6737.7; 04-APR-2008 19:24:30; Dark ; 46.5; 4; Alp1Cen ; -0.01; 5800;occ; 93; 0;31873
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4; 1586.8; 04-APR-2008 19:39:15; Dark ; 42.0; 100; 4Gam Crv ; 2.58; 13100;occ; 84; 0;31874
5; 2156.5; 04-APR-2008 19:48:44; Bright; 37.0; 62; 94Bet Leo ; 2.14; 9700;occ; 74; 0;31874
6; 2258.6; 04-APR-2008 19:50:26; Bright; 34.5; 96; 68Del Leo ; 2.56; 9300;occ; 69; 0;31874
7; 2664.3; 04-APR-2008 19:57:12; Bright; 34.0; 174; 52Psi UMa ; 3.00; 4400;occ; 68; 0;31874
8; 2836.4; 04-APR-2008 20:00:04; Bright; 54.0; 87; 64Gam UMa ; 2.43; 11000;occ; 108; 0;31874
9; 2955.7; 04-APR-2008 20:02:03; Bright; 37.0; 36; 50Alp UMa ; 1.80; 6300;occ; 74; 0;31874
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 19; 6015.5; 04-APR-2008 20:53:03; Dark ; 38.0; 45; Alp Pav ; 1.94; 26000;occ; 76; 0;31874  
 20; 6467.0; 04-APR-2008 21:00:35; Dark ; 39.5; 43; Alp TrA ; 1.91; 4250;occ; 79; 0;31874  
 21; 6583.0; 04-APR-2008 21:02:31; Dark ; 38.5; 134; Bet TrA ; 2.81; 6600;occ; 77; 0;31874  
 22; 6738.1; 04-APR-2008 21:05:06; Dark ; 47.5; 4; Alp1Cen ; -0.01; 5800;occ; 95; 0;31874  
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 22; 6583.5; 04-APR-2008 22:43:07; Dark ; 39.5; 134; Bet TrA ; 2.81; 6600;occ; 79; 0;31875  
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 22; 7069.6; 05-APR-2008 02:12:25; Dark ; 40.0; 64; Gam Cen ; 2.20; 10600;occ; 80; 0;31877  
 23; 7227.9; 05-APR-2008 02:15:03; Dark ; 42.0; 123; Tot Cen ; 2.75; 10200;occ; 84; 0;31877  
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4; 2258.7; 05-APR-2008 02:32:50; Bright; 35.0; 96; 68Del Leo ; 2.56; 9300;occ; 70; 0;31878
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6; 2835.6; 05-APR-2008 02:42:27; Bright; 35.5; 87; 64Gam UMa ; 2.43; 11000;occ; 71; 0;31878
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8; 3317.5; 05-APR-2008 02:50:29; Bright; 36.0; 60; 7Bet UMi ; 2.08; 3950;occ; 72; 0;31878
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 8; 3441.3; 05-APR-2008 14:36:44; Bright; 32.0; 49; 1Alp UMi ; 1.99; 6300;occ; 64; 0;31885  
 9; 3857.3; 05-APR-2008 14:43:40; Bright; 52.0; 76; 27Gam Cas ; 2.30; 30000;occ; 104; 0;31885  
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 11; 4848.2; 05-APR-2008 15:00:11; Dark ; 46.5; 61; 8Eps Peg ; 2.10; 3900;occ; 93; 0;31885  
 12; 4997.2; 05-APR-2008 15:02:40; Dark ; 42.5; 162; 34Alp Aqr ; 2.94; 5350;occ; 85; 0;31885  
 13; 5131.1; 05-APR-2008 15:04:54; Dark ; 44.0; 154; 22Bet Aqr ; 2.90; 5700;occ; 88; 0;31885  
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 15; 5613.0; 05-APR-2008 15:12:56; Dark ; 38.0; 172; Gam Gru ; 3.00; 13100;occ; 76; 0;31885  
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 22; 6863.5; 05-APR-2008 15:33:46; Dark ; 37.0; 12; Alp1Cru ; 0.77; 30000;occ; 74; 0;31885  
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 4; 2259.4; 05-APR-2008 15:57:38; Bright; 35.0; 96; 68Del Leo ; 2.56; 9300;occ; 70; 0;31886  
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19; 6472.3; 05-APR-2008 17:07:51; Dark ; 40.0; 43; Alp TrA ; 1.91; 4250;occ; 80; 0;31886
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21; 6743.5; 05-APR-2008 17:12:22; Dark ; 40.0; 4; Alp1Cen ; -0.01; 5800;occ; 80; 0;31886
22; 6863.8; 05-APR-2008 17:14:22; Dark ; 43.5; 12; Alp1Cru ; 0.77; 30000;occ; 87; 0;31886
23; 6953.3; 05-APR-2008 17:15:52; Dark ; 45.5; 26; Gam Cru ; 1.62; 2900;occ; 91; 0;31886
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5; 2664.2; 05-APR-2008 17:44:59; Bright; 35.0; 174; 52Psi UMa ; 3.00; 4400;occ; 70; 0;31887
6; 2834.2; 05-APR-2008 17:47:49; Bright; 42.0; 87; 64Gam UMa ; 2.43; 11000;occ; 84; 0;31887
7; 2955.6; 05-APR-2008 17:49:50; Bright; 37.5; 36; 50Alp UMa ; 1.80; 6300;occ; 75; 0;31887
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9; 3857.7; 05-APR-2008 18:04:52; Bright; 52.0; 76; 27Gam Cas ; 2.30; 30000;occ; 104; 0;31887
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19; 6472.7; 05-APR-2008 18:48:27; Dark ; 37.5; 43; Alp TrA ; 1.91; 4250;occ; 75; 0;31887
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6; 2664.2; 05-APR-2008 19:25:35; Bright; 36.0; 174; 52Psi UMa ; 3.00; 4400;occ; 72; 0;31888
7; 2834.0; 05-APR-2008 19:28:25; Bright; 36.5; 87; 64Gam UMa ; 2.43; 11000;occ; 73; 0;31888
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12; 4999.1; 06-APR-2008 02:46:53; Dark ; 42.5; 162; 34Alp Aqr ; 2.94; 5350;occ; 85; 0;31892
13; 5134.1; 06-APR-2008 02:49:08; Dark ; 44.5; 154; 22Bet Aqr ; 2.90; 5700;occ; 89; 0;31892
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 17; 5897.5; 06-APR-2008 03:01:52; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;31892  
 18; 6023.4; 06-APR-2008 03:03:58; Dark ; 39.5; 45; Alp Pav ; 1.94; 26000;occ; 79; 0;31892  
 19; 6474.7; 06-APR-2008 03:11:29; Dark ; 38.0; 43; Alp TrA ; 1.91; 4250;occ; 76; 0;31892  
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 21; 6745.9; 06-APR-2008 03:16:00; Dark ; 49.5; 4; Alp1Cen ; -0.01; 5800;occ; 99; 0;31892  
 22; 6865.0; 06-APR-2008 03:17:59; Dark ; 42.5; 12; Alp1Cru ; 0.77; 30000;occ; 85; 0;31892  
 23; 6954.6; 06-APR-2008 03:19:29; Dark ; 43.0; 26; Gam Cru ; 1.62; 2900;occ; 86; 0;31892  
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 13; 5441.3; 06-APR-2008 06:15:27; Dark ; 41.0; 18; 24Alp PsA ; 1.17; 9700;occ; 82; 0;31894  
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 15; 5754.0; 06-APR-2008 06:20:40; Dark ; 39.0; 31; Alp Gru ; 1.73; 15200;occ; 78; 0;31894  
 16; 5898.5; 06-APR-2008 06:23:05; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;31894  
 17; 6024.3; 06-APR-2008 06:25:10; Dark ; 41.0; 45; Alp Pav ; 1.94; 26000;occ; 82; 0;31894  
 18; 6475.6; 06-APR-2008 06:32:42; Dark ; 44.5; 43; Alp TrA ; 1.91; 4250;occ; 89; 0;31894  
 19; 6593.1; 06-APR-2008 06:34:39; Dark ; 39.0; 134; Bet TrA ; 2.81; 6600;occ; 78; 0;31894  
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 23; 7074.6; 06-APR-2008 06:42:41; Dark ; 40.0; 64; Gam Cen ; 2.20; 10600;occ; 80; 0;31894  
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 4; 2832.8; 06-APR-2008 07:12:35; Bright; 51.0; 87; 64Gam UMa ; 2.43; 11000;occ; 102; 0;31895  
 5; 2955.6; 06-APR-2008 07:14:38; Bright; 34.5; 36; 50Alp UMa ; 1.80; 6300;occ; 69; 0;31895  
 6; 3441.3; 06-APR-2008 07:22:43; Bright; 35.0; 49; 1Alp UMi ; 1.99; 6300;occ; 70; 0;31895  
 7; 3860.0; 06-APR-2008 07:29:42; Bright; 48.0; 76; 27Gam Cas ; 2.30; 30000;occ; 96; 0;31895  
 8; 3939.4; 06-APR-2008 07:31:02; Bright; 33.5; 68; 18Alp Cas ; 2.22; 4500;occ; 67; 0;31895  
 9; 4851.3; 06-APR-2008 07:46:13; Dark ; 43.0; 61; 8Eps Peg ; 2.10; 3900;occ; 86; 0;31895  
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 12; 5286.1; 06-APR-2008 07:53:28; Dark ; 42.5; 142; 49Del Cap ; 2.85; 8900;occ; 85; 0;31895  
 13; 5441.5; 06-APR-2008 07:56:04; Dark ; 40.0; 18; 24Alp PsA ; 1.17; 9700;occ; 80; 0;31895  
 14; 5615.9; 06-APR-2008 07:58:58; Dark ; 36.0; 172; Gam Gru ; 3.00; 13100;occ; 72; 0;31895  
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 16; 5898.9; 06-APR-2008 08:03:41; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;31895  
 17; 6024.7; 06-APR-2008 08:05:47; Dark ; 38.5; 45; Alp Pav ; 1.94; 26000;occ; 77; 0;31895  
 18; 6476.0; 06-APR-2008 08:13:18; Dark ; 46.5; 43; Alp TrA ; 1.91; 4250;occ; 93; 0;31895  
 19; 6593.6; 06-APR-2008 08:15:16; Dark ; 39.0; 134; Bet TrA ; 2.81; 6600;occ; 78; 0;31895  
 20; 6747.3; 06-APR-2008 08:17:49; Dark ; 54.0; 4; Alp1Cen ; -0.01; 5800;occ; 108; 0;31895  
 21; 6865.6; 06-APR-2008 08:19:48; Dark ; 39.5; 12; Alp1Cru ; 0.77; 30000;occ; 79; 0;31895  
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 23; 7074.8; 06-APR-2008 08:23:17; Dark ; 37.5; 64; Gam Cen ; 2.20; 10600;occ; 75; 0;31895  
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 3; 2664.2; 06-APR-2008 08:50:22; Bright; 35.5; 174; 52Psi UMa ; 3.00; 4400;occ; 71; 0;31896

4; 2832.7; 06-APR-2008 08:53:11; Bright; 36.5; 87; 64Gam UMa ; 2.43; 11000;occ; 73; 0;31896  
5; 2955.5; 06-APR-2008 08:55:14; Bright; 36.5; 36; 50Alp UMa ; 1.80; 6300;occ; 73; 0;31896  
6; 3441.2; 06-APR-2008 09:03:19; Bright; 35.0; 49; 1Alp UMi ; 1.99; 6300;occ; 70; 0;31896  
7; 3860.1; 06-APR-2008 09:10:18; Bright; 35.5; 76; 27Gam Cas ; 2.30; 30000;occ; 71; 0;31896  
8; 3939.6; 06-APR-2008 09:11:38; Bright; 36.0; 68; 18Alp Cas ; 2.22; 4500;occ; 72; 0;31896  
9; 4851.6; 06-APR-2008 09:26:50; Dark ; 44.5; 61; 8Eps Peg ; 2.10; 3900;occ; 89; 0;31896  
10; 5000.4; 06-APR-2008 09:29:18; Dark ; 42.0; 162; 34Alp Aqr ; 2.94; 5350;occ; 84; 0;31896  
11; 5136.0; 06-APR-2008 09:31:34; Dark ; 46.0; 154; 22Bet Aqr ; 2.90; 5700;occ; 92; 0;31896  
12; 5286.4; 06-APR-2008 09:34:04; Dark ; 40.5; 142; 49Del Cap ; 2.85; 8900;occ; 81; 0;31896  
13; 5441.4; 06-APR-2008 09:36:39; Dark ; 42.0; 18; 24Alp PsA ; 1.17; 9700;occ; 84; 0;31896  
14; 5616.2; 06-APR-2008 09:39:34; Dark ; 37.0; 172; Gam Gru ; 3.00; 13100;occ; 74; 0;31896  
15; 5754.3; 06-APR-2008 09:41:52; Dark ; 38.0; 31; Alp Gru ; 1.73; 15200;occ; 76; 0;31896  
16; 5899.3; 06-APR-2008 09:44:17; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;31896  
17; 6025.1; 06-APR-2008 09:46:23; Dark ; 38.0; 45; Alp Pav ; 1.94; 26000;occ; 76; 0;31896  
18; 6476.3; 06-APR-2008 09:53:54; Dark ; 39.0; 43; Alp TrA ; 1.91; 4250;occ; 78; 0;31896  
19; 6594.1; 06-APR-2008 09:55:52; Dark ; 39.5; 134; Bet TrA ; 2.81; 6600;occ; 79; 0;31896  
20; 6747.6; 06-APR-2008 09:58:26; Dark ; 47.5; 4; Alp1Cen ;-0.01; 5800;occ; 95; 0;31896  
21; 6865.8; 06-APR-2008 10:00:24; Dark ; 47.0; 12; Alp1Cru ; 0.77; 30000;occ; 94; 0;31896  
22; 6955.5; 06-APR-2008 10:01:53; Dark ; 43.5; 26; Gam Cru ; 1.62; 2900;occ; 87; 0;31896  
23; 7075.1; 06-APR-2008 10:03:53; Dark ; 37.0; 64; Gam Cen ; 2.20; 10600;occ; 74; 0;31896  
24; 7512.2; 06-APR-2008 10:11:10; Dark ; 43.5; 106; 9Bet Crv ; 2.65; 5600;occ; 87; 0;31896  
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4; 2832.6; 06-APR-2008 10:33:47; Bright; 37.0; 87; 64Gam UMa ; 2.43; 11000;occ; 74; 0;31897  
5; 2955.5; 06-APR-2008 10:35:49; Bright; 34.5; 36; 50Alp UMa ; 1.80; 6300;occ; 69; 0;31897  
6; 3441.2; 06-APR-2008 10:43:55; Bright; 35.0; 49; 1Alp UMi ; 1.99; 6300;occ; 70; 0;31897  
7; 3860.3; 06-APR-2008 10:50:54; Bright; 35.0; 76; 27Gam Cas ; 2.30; 30000;occ; 70; 0;31897  
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9; 4851.9; 06-APR-2008 11:07:26; Dark ; 47.0; 61; 8Eps Peg ; 2.10; 3900;occ; 94; 0;31897  
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12; 5286.8; 06-APR-2008 11:14:41; Dark ; 40.0; 142; 49Del Cap ; 2.85; 8900;occ; 80; 0;31897  
13; 5441.5; 06-APR-2008 11:17:15; Dark ; 42.5; 18; 24Alp PsA ; 1.17; 9700;occ; 85; 0;31897  
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15; 5754.5; 06-APR-2008 11:22:28; Dark ; 37.5; 31; Alp Gru ; 1.73; 15200;occ; 75; 0;31897  
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17; 6025.5; 06-APR-2008 11:26:59; Dark ; 38.0; 45; Alp Pav ; 1.94; 26000;occ; 76; 0;31897  
18; 6476.7; 06-APR-2008 11:34:31; Dark ; 39.5; 43; Alp TrA ; 1.91; 4250;occ; 79; 0;31897  
19; 6594.5; 06-APR-2008 11:36:28; Dark ; 38.5; 134; Bet TrA ; 2.81; 6600;occ; 77; 0;31897  
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22; 6955.7; 06-APR-2008 11:42:30; Dark ; 43.0; 26; Gam Cru ; 1.62; 2900;occ; 86; 0;31897  
23; 7075.4; 06-APR-2008 11:44:29; Dark ; 40.5; 64; Gam Cen ; 2.20; 10600;occ; 81; 0;31897  
24; 7512.3; 06-APR-2008 11:51:46; Dark ; 43.0; 106; 9Bet Crv ; 2.65; 5600;occ; 86; 0;31897  
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3; 2260.0; 06-APR-2008 12:04:50; Bright; 34.5; 96; 68Del Leo ; 2.56; 9300;occ; 69; 0;31898  
4; 2664.3; 06-APR-2008 12:11:34; Bright; 36.5; 174; 52Psi UMa ; 3.00; 4400;occ; 73; 0;31898  
5; 2832.4; 06-APR-2008 12:14:22; Bright; 36.0; 87; 64Gam UMa ; 2.43; 11000;occ; 72; 0;31898  
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17; 5900.2; 06-APR-2008 13:05:30; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;31898  
18; 6025.9; 06-APR-2008 13:07:36; Dark ; 37.0; 45; Alp Pav ; 1.94; 26000;occ; 74; 0;31898  
19; 6477.2; 06-APR-2008 13:15:07; Dark ; 39.0; 43; Alp TrA ; 1.91; 4250;occ; 78; 0;31898

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22; 6866.1; 06-APR-2008 13:21:36; Dark ; 40.5; 12; Alp1Cru ; 0.77; 30000;occ; 81; 0;31898
23; 6956.0; 06-APR-2008 13:23:06; Dark ; 43.5; 26; Gam Cru ; 1.62; 2900;occ; 87; 0;31898
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14; 5287.7; 06-APR-2008 14:35:53; Dark ; 39.5; 142; 49Del Cap ; 2.85; 8900;occ; 79; 0;31899
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 3; 2155.6; 06-APR-2008 23:47:17; Bright; 36.0; 62; 94Bet Leo ; 2.14; 9700;occ; 72; 0;31905
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 5; 2664.3; 06-APR-2008 23:55:46; Bright; 36.0; 174; 52Psi UMa ; 3.00; 4400;occ; 72; 0;31905
 6; 2831.3; 06-APR-2008 23:58:33; Bright; 35.0; 87; 64Gam UMa ; 2.43; 11000;occ; 70; 0;31905
 7; 2955.5; 07-APR-2008 00:00:37; Bright; 33.0; 36; 50Alp UMa ; 1.80; 6300;occ; 66; 0;31905
 8; 3441.4; 07-APR-2008 00:08:43; Bright; 34.0; 49; 1Alp UMi ; 1.99; 6300;occ; 68; 0;31905
 9; 3862.4; 07-APR-2008 00:15:44; Bright; 34.5; 76; 27Gam Cas ; 2.30; 30000;occ; 69; 0;31905
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 13; 5290.1; 07-APR-2008 00:39:31; Dark ; 40.0; 142; 49Del Cap ; 2.85; 8900;occ; 80; 0;31905  
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 22; 6958.1; 07-APR-2008 04:28:31; Dark ; 48.5; 26; Gam Cru ; 1.62; 2900;occ; 97; 0;31907  
 23; 7078.2; 07-APR-2008 04:30:31; Dark ; 36.0; 64; Gam Cen ; 2.20; 10600;occ; 72; 0;31907  
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5; 2831.0; 07-APR-2008 05:00:20; Bright; 38.5; 87; 64Gam UMa ; 2.43; 11000;occ; 77; 0;31908  
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11; 5004.2; 07-APR-2008 05:36:33; Dark ; 41.0; 162; 34Alp Aqr ; 2.94; 5350;occ; 82; 0;31908  
12; 5291.5; 07-APR-2008 05:41:20; Dark ; 40.5; 142; 49Del Cap ; 2.85; 8900;occ; 81; 0;31908  
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28; 8866.6; 07-APR-2008 08:21:32; Bright; 36.0; 87; 64Gam UMa ; 2.43; 11000;occ; 72; 0;31909  
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 15; 925.8; 08-APR-2008 07:18:10; Dark ; 44.5; 26; Gam Cru ; 1.62; 2900;occ; 89; 0;31924  
 16; 1046.4; 08-APR-2008 07:20:10; Dark ; 39.5; 64; Gam Cen ; 2.20; 10600;occ; 79; 0;31924  
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 6; 3441.6; 08-APR-2008 08:00:05; Bright; 33.0; 49; 1Alp UMi ; 1.99; 6300;occ; 66; 0;31924  
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 8; 3928.7; 08-APR-2008 08:08:12; Bright; 36.0; 74; 11Bet Cas ; 2.27; 6600;occ; 72; 0;31924  
 9; 4459.4; 08-APR-2008 08:17:03; Bright; 35.0; 164; 44Eta Peg ; 2.95; 5400;occ; 70; 0;31924  
 10; 5009.5; 08-APR-2008 08:26:13; Dark ; 44.0; 162; 34Alp Aqr ; 2.94; 5350;occ; 88; 0;31924  
 11; 5298.3; 08-APR-2008 08:31:02; Dark ; 41.0; 142; 49Del Cap ; 2.85; 8900;occ; 82; 0;31924  
 12; 5444.8; 08-APR-2008 08:33:29; Dark ; 40.0; 18; 24Alp PsA ; 1.17; 9700;occ; 80; 0;31924  
 13; 5625.5; 08-APR-2008 08:36:29; Dark ; 37.5; 172; Gam Gru ; 3.00; 13100;occ; 75; 0;31924  
 14; 5760.9; 08-APR-2008 08:38:45; Dark ; 40.0; 31; Alp Gru ; 1.73; 15200;occ; 80; 0;31924  
 15; 5912.3; 08-APR-2008 08:41:16; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;31924  
 16; 6037.8; 08-APR-2008 08:43:22; Dark ; 38.5; 45; Alp Pav ; 1.94; 26000;occ; 77; 0;31924  
 17; 6488.1; 08-APR-2008 08:50:52; Dark ; 39.5; 43; Alp TrA ; 1.91; 4250;occ; 79; 0;31924  
 18; 6607.7; 08-APR-2008 08:52:52; Dark ; 37.0; 134; Bet TrA ; 2.81; 6600;occ; 74; 0;31924  
 19; 6759.4; 08-APR-2008 08:55:23; Dark ; 53.5; 4; Alp1Cen ; -0.01; 5800;occ; 107; 0;31924  
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 22; 7082.5; 08-APR-2008 09:00:46; Dark ; 37.5; 64; Gam Cen ; 2.20; 10600;occ; 75; 0;31924  
 23; 7517.4; 08-APR-2008 09:08:01; Dark ; 43.5; 106; 9Bet Crv ; 2.65; 5600;occ; 87; 0;31924  
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 3; 2665.0; 08-APR-2008 09:27:45; Bright; 34.0; 174; 52Psi UMa ; 3.00; 4400;occ; 68; 0;31925  
 4; 2828.6; 08-APR-2008 09:30:28; Bright; 35.0; 87; 64Gam UMa ; 2.43; 11000;occ; 70; 0;31925  
 5; 2955.7; 08-APR-2008 09:32:35; Bright; 36.0; 36; 50Alp UMa ; 1.80; 6300;occ; 72; 0;31925  
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 7; 3928.8; 08-APR-2008 09:48:49; Bright; 34.0; 74; 11Bet Cas ; 2.27; 6600;occ; 68; 0;31925  
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 10; 5298.7; 08-APR-2008 10:11:38; Dark ; 41.0; 142; 49Del Cap ; 2.85; 8900;occ; 82; 0;31925  
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 12; 5626.0; 08-APR-2008 10:17:06; Dark ; 39.5; 172; Gam Gru ; 3.00; 13100;occ; 79; 0;31925  
 13; 5761.1; 08-APR-2008 10:19:21; Dark ; 42.5; 31; Alp Gru ; 1.73; 15200;occ; 85; 0;31925  
 14; 5912.7; 08-APR-2008 10:21:52; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;31925  
 15; 6038.3; 08-APR-2008 10:23:58; Dark ; 39.5; 45; Alp Pav ; 1.94; 26000;occ; 79; 0;31925  
 16; 6488.4; 08-APR-2008 10:31:28; Dark ; 38.5; 43; Alp TrA ; 1.91; 4250;occ; 77; 0;31925  
 17; 6608.2; 08-APR-2008 10:33:28; Dark ; 39.0; 134; Bet TrA ; 2.81; 6600;occ; 78; 0;31925  
 18; 6759.7; 08-APR-2008 10:35:59; Dark ; 54.0; 4; Alp1Cen ; -0.01; 5800;occ; 108; 0;31925  
 19; 6871.3; 08-APR-2008 10:37:51; Dark ; 41.5; 12; Alp1Cru ; 0.77; 30000;occ; 83; 0;31925  
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 21; 7082.7; 08-APR-2008 10:41:22; Dark ; 37.0; 64; Gam Cen ; 2.20; 10600;occ; 74; 0;31925  
 22; 7243.8; 08-APR-2008 10:44:03; Dark ; 28.0; 123; Iot Cen ; 2.75; 10200;occ; 56; 0;31925  
 23; 7517.5; 08-APR-2008 10:48:37; Dark ; 43.0; 106; 9Bet Crv ; 2.65; 5600;occ; 86; 0;31925  
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 4; 2828.5; 08-APR-2008 11:11:04; Bright; 37.5; 87; 64Gam UMa ; 2.43; 11000;occ; 75; 0;31926  
 5; 2955.7; 08-APR-2008 11:13:11; Bright; 35.5; 36; 50Alp UMa ; 1.80; 6300;occ; 71; 0;31926  
 6; 3441.5; 08-APR-2008 11:21:17; Bright; 36.0; 49; 1Alp UMi ; 1.99; 6300;occ; 72; 0;31926  
 7; 3846.0; 08-APR-2008 11:28:02; Bright; 34.0; 110; 37Del Cas ; 2.68; 8900;occ; 68; 0;31926  
 8; 3928.9; 08-APR-2008 11:29:24; Bright; 32.5; 74; 11Bet Cas ; 2.27; 6600;occ; 65; 0;31926  
 9; 4459.5; 08-APR-2008 11:38:15; Bright; 34.0; 164; 44Eta Peg ; 2.95; 5400;occ; 68; 0;31926  
 10; 5010.2; 08-APR-2008 11:47:26; Dark ; 39.5; 162; 34Alp Aqr ; 2.94; 5350;occ; 79; 0;31926  
 11; 5299.1; 08-APR-2008 11:52:15; Dark ; 41.5; 142; 49Del Cap ; 2.85; 8900;occ; 83; 0;31926  
 12; 5445.0; 08-APR-2008 11:54:41; Dark ; 43.0; 18; 24Alp PsA ; 1.17; 9700;occ; 86; 0;31926  
 13; 5626.2; 08-APR-2008 11:57:42; Dark ; 37.5; 172; Gam Gru ; 3.00; 13100;occ; 75; 0;31926  
 14; 5761.3; 08-APR-2008 11:59:57; Dark ; 41.0; 31; Alp Gru ; 1.73; 15200;occ; 82; 0;31926  
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 17; 6608.7; 08-APR-2008 12:14:04; Dark ; 37.5; 134; Bet TrA ; 2.81; 6600;occ; 75; 0;31926

18; 6760.2; 08-APR-2008 12:16:36; Dark ; 48.5; 4; Alp1Cen ; -0.01; 5800;occ; 97; 0;31926  
 19; 6871.4; 08-APR-2008 12:18:27; Dark ; 45.5; 12; Alp1Cru ; 0.77; 30000;occ; 91; 0;31926  
 20; 6962.3; 08-APR-2008 12:19:58; Dark ; 50.0; 26; Gam Cru ; 1.62; 2900;occ; 100; 0;31926  
 21; 7083.0; 08-APR-2008 12:21:59; Dark ; 39.0; 64; Gam Cen ; 2.20; 10600;occ; 78; 0;31926  
 22; 7244.2; 08-APR-2008 12:24:40; Dark ; 28.0; 123; Iot Cen ; 2.75; 10200;occ; 56; 0;31926  
 23; 7517.7; 08-APR-2008 12:29:13; Dark ; 40.0; 106; 9Bet Crv ; 2.65; 5600;occ; 80; 0;31926  
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 3; 2262.6; 08-APR-2008 12:42:14; Bright; 35.0; 96; 68Del Leo ; 2.56; 9300;occ; 70; 0;31927  
 4; 2665.1; 08-APR-2008 12:48:57; Bright; 35.0; 174; 52Psi UMa ; 3.00; 4400;occ; 70; 0;31927  
 5; 2828.2; 08-APR-2008 12:51:40; Bright; 36.0; 87; 64Gam UMa ; 2.43; 11000;occ; 72; 0;31927  
 6; 2955.8; 08-APR-2008 12:53:47; Bright; 35.5; 36; 50Alp UMa ; 1.80; 6300;occ; 71; 0;31927  
 7; 3441.6; 08-APR-2008 13:01:53; Bright; 34.5; 49; 1Alp UMi ; 1.99; 6300;occ; 69; 0;31927  
 8; 3846.5; 08-APR-2008 13:08:38; Bright; 33.0; 110; 37Del Cas ; 2.68; 8900;occ; 66; 0;31927  
 9; 3929.3; 08-APR-2008 13:10:01; Bright; 35.5; 74; 11Bet Cas ; 2.27; 6600;occ; 71; 0;31927  
 10; 4459.7; 08-APR-2008 13:18:51; Bright; 34.5; 164; 44Eta Peg ; 2.95; 5400;occ; 69; 0;31927  
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 12; 5299.5; 08-APR-2008 13:32:51; Dark ; 42.0; 142; 49Del Cap ; 2.85; 8900;occ; 84; 0;31927  
 13; 5445.2; 08-APR-2008 13:35:17; Dark ; 39.0; 18; 24Alp PsA ; 1.17; 9700;occ; 78; 0;31927  
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 17; 6489.4; 08-APR-2008 13:52:41; Dark ; 39.5; 43; Alp TrA ; 1.91; 4250;occ; 79; 0;31927  
 18; 6609.2; 08-APR-2008 13:54:41; Dark ; 38.5; 134; Bet TrA ; 2.81; 6600;occ; 77; 0;31927  
 19; 6760.7; 08-APR-2008 13:57:12; Dark ; 55.0; 4; Alp1Cen ; -0.01; 5800;occ; 110; 0;31927  
 20; 6871.7; 08-APR-2008 13:59:03; Dark ; 43.5; 12; Alp1Cru ; 0.77; 30000;occ; 87; 0;31927  
 21; 6962.5; 08-APR-2008 14:00:34; Dark ; 45.5; 26; Gam Cru ; 1.62; 2900;occ; 91; 0;31927  
 22; 7083.4; 08-APR-2008 14:02:35; Dark ; 37.5; 64; Gam Cen ; 2.20; 10600;occ; 75; 0;31927  
 23; 7244.4; 08-APR-2008 14:05:16; Dark ; 35.0; 123; Iot Cen ; 2.75; 10200;occ; 70; 0;31927  
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 5; 2665.2; 08-APR-2008 14:29:32; Bright; 36.5; 174; 52Psi UMa ; 3.00; 4400;occ; 73; 0;31928  
 6; 2828.2; 08-APR-2008 14:32:15; Bright; 35.5; 87; 64Gam UMa ; 2.43; 11000;occ; 71; 0;31928  
 7; 2955.8; 08-APR-2008 14:34:23; Bright; 37.0; 36; 50Alp UMa ; 1.80; 6300;occ; 74; 0;31928  
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 9; 3846.8; 08-APR-2008 14:49:14; Bright; 34.5; 110; 37Del Cas ; 2.68; 8900;occ; 69; 0;31928  
 10; 3929.4; 08-APR-2008 14:50:37; Bright; 35.0; 74; 11Bet Cas ; 2.27; 6600;occ; 70; 0;31928  
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 13; 5300.1; 08-APR-2008 15:13:27; Dark ; 41.5; 142; 49Del Cap ; 2.85; 8900;occ; 83; 0;31928  
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 20; 6609.6; 08-APR-2008 15:35:17; Dark ; 38.0; 134; Bet TrA ; 2.81; 6600;occ; 76; 0;31928  
 21; 6761.1; 08-APR-2008 15:37:48; Dark ; 40.5; 4; Alp1Cen ; -0.01; 5800;occ; 81; 0;31928  
 22; 6871.9; 08-APR-2008 15:39:39; Dark ; 45.0; 12; Alp1Cru ; 0.77; 30000;occ; 90; 0;31928  
 23; 6962.8; 08-APR-2008 15:41:10; Dark ; 44.5; 26; Gam Cru ; 1.62; 2900;occ; 89; 0;31928  
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 5; 2262.9; 08-APR-2008 16:03:26; Bright; 34.0; 96; 68Del Leo ; 2.56; 9300;occ; 68; 0;31929  
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19; 6040.2; 08-APR-2008 17:06:23; Dark ; 41.5; 45; Alp Pav ; 1.94; 26000;occ; 83; 0;31929
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21; 6610.3; 08-APR-2008 17:15:53; Dark ; 38.5; 134; Bet TrA ; 2.81; 6600;occ; 77; 0;31929
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26; 7245.1; 08-APR-2008 17:26:28; Dark ; 1.0; 123; Iot Cen ; 2.75; 10200;occ; 2; 0;31929
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6; 2155.6; 09-APR-2008 20:31:50; Bright; 36.5; 62; 94Bet Leo ; 2.14; 9700;occ; 73; 0;31946
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 7; 461.3; 09-APR-2008 21:44:11; Dark ; 38.5; 43; Alp TrA ; 1.91; 4250;occ; 77; 0;31947  
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 23; 3932.8; 10-APR-2008 00:22:39; Bright; 33.5; 74; 11Bet Cas ; 2.27; 6600;occ; 67; 0;31948  
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 11; 458.0; 09-APR-2008 08:19:21; Dark ; 43.0; 43; Alp TrA ; 1.91; 4250;occ; 86; 0;31939  
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 18; 2675.3; 16-APR-2008 01:53:46; Bright; 36.0; 174; 52Psi UMa ; 3.00; 4400;occ; 72; 0;32035  
 19; 2819.9; 16-APR-2008 01:56:10; Bright; 36.0; 87; 64Gam UMa ; 2.43; 11000;occ; 72; 0;32035  
 20; 2961.6; 16-APR-2008 01:58:32; Bright; 34.5; 36; 50Alp UMa ; 1.80; 6300;occ; 69; 0;32035  
 21; 3442.9; 16-APR-2008 02:06:33; Bright; 35.0; 49; 1Alp UMi ; 1.99; 6300;occ; 70; 0;32035  
 22; 3875.9; 16-APR-2008 02:13:46; Bright; 26.5; 110; 37Del Cas ; 2.68; 8900;occ; 53; 0;32035

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 6; -569.9; 16-APR-2008 02:40:17; Dark ; 43.0; 18; 24Alp PsA ; 1.17; 9700;occ; 86; 0;32035  
 7; -467.4; 16-APR-2008 02:41:59; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;32035  
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 9; -241.9; 16-APR-2008 02:45:45; Dark ; 39.0; 31; Alp Gru ; 1.73; 15200;occ; 78; 0;32035  
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 11; 57.3; 16-APR-2008 02:50:44; Dark ; 39.0; 45; Alp Pav ; 1.94; 26000;occ; 78; 0;32036  
 12; 497.6; 16-APR-2008 02:58:04; Dark ; 40.5; 43; Alp TrA ; 1.91; 4250;occ; 81; 0;32036  
 13; 623.9; 16-APR-2008 03:00:10; Dark ; 40.0; 134; Bet TrA ; 2.81; 6600;occ; 80; 0;32036  
 14; 766.8; 16-APR-2008 03:02:33; Dark ; 47.5; 4; Alp1Cen ;-0.01; 5800;occ; 95; 0;32036  
 15; 895.6; 16-APR-2008 03:04:42; Dark ; 42.0; 20; Bet Cru ; 1.25; 30000;occ; 84; 0;32036  
 16; 1072.5; 16-APR-2008 03:07:39; Dark ; 39.0; 64; Gam Cen ; 2.20; 10600;occ; 78; 0;32036  
 17; 1194.9; 16-APR-2008 03:09:41; Dark ; 45.5; 54; 5The Cen ; 2.06; 4500;occ; 91; 0;32036  
 18; 1501.0; 16-APR-2008 03:14:48; Dark ; 41.5; 106; 9Bet Crv ; 2.65; 5600;occ; 83; 0;32036  
 19; 1620.1; 16-APR-2008 03:16:47; Bright; 37.5; 163; 7Del Crv ; 2.94; 11000;occ; 75; 0;32036  
 20; 1876.1; 16-APR-2008 03:21:03; Bright; 37.0; 121; 29Gam Vir ; 2.74; 7200;occ; 74; 0;32036  
 21; 2161.3; 16-APR-2008 03:25:48; Bright; 35.5; 62; 94Bet Leo ; 2.14; 9700;occ; 71; 0;32036  
 22; 2279.5; 16-APR-2008 03:27:46; Bright; 35.0; 96; 68Del Leo ; 2.56; 9300;occ; 70; 0;32036  
 23; 2675.5; 16-APR-2008 03:34:22; Bright; 36.0; 174; 52Psi UMa ; 3.00; 4400;occ; 72; 0;32036  
 24; 2819.9; 16-APR-2008 03:36:46; Bright; 33.5; 87; 64Gam UMa ; 2.43; 11000;occ; 67; 0;32036  
 25; 2961.7; 16-APR-2008 03:39:08; Bright; 36.0; 36; 50Alp UMa ; 1.80; 6300;occ; 72; 0;32036  
 26; 3442.9; 16-APR-2008 03:47:09; Bright; 35.0; 49; 1Alp UMi ; 1.99; 6300;occ; 70; 0;32036

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 5; -680.3; 16-APR-2008 04:19:02; Dark ; 45.0; 142; 49Del Cap ; 2.85; 8900;occ; 90; 0;32036  
 6; -569.8; 16-APR-2008 04:20:53; Dark ; 43.5; 18; 24Alp PsA ; 1.17; 9700;occ; 87; 0;32036  
 7; -467.1; 16-APR-2008 04:22:35; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;32036  
 8; -364.1; 16-APR-2008 04:24:18; Dark ; 39.0; 172; Gam Gru ; 3.00; 13100;occ; 78; 0;32036

9; -241.6; 16-APR-2008 04:26:21; Dark ; 44.5; 31; Alp Gru ; 1.73; 15200;occ; 89; 0;32036  
 10; -50.0; 16-APR-2008 04:29:32; Dark ; 38.0; 148; Alp Tuc ; 2.88; 4100;occ; 76; 0;32036  
 11; 57.8; 16-APR-2008 04:31:20; Dark ; 39.5; 45; Alp Pav ; 1.94; 26000;occ; 79; 0;32037  
 12; 498.1; 16-APR-2008 04:38:41; Dark ; 39.0; 43; Alp TrA ; 1.91; 4250;occ; 78; 0;32037  
 13; 624.2; 16-APR-2008 04:40:47; Dark ; 38.0; 134; Bet TrA ; 2.81; 6600;occ; 76; 0;32037  
 14; 767.2; 16-APR-2008 04:43:10; Dark ; 45.5; 4; Alp1Cen ;-0.01; 5800;occ; 91; 0;32037  
 15; 895.8; 16-APR-2008 04:45:18; Dark ; 40.5; 20; Bet Cru ; 1.25; 30000;occ; 81; 0;32037  
 16; 1072.7; 16-APR-2008 04:48:15; Dark ; 37.5; 64; Gam Cen ; 2.20; 10600;occ; 75; 0;32037  
 17; 1195.1; 16-APR-2008 04:50:18; Dark ; 47.0; 54; 5The Cen ; 2.06; 4500;occ; 94; 0;32037  
 18; 1501.3; 16-APR-2008 04:55:24; Dark ; 41.0; 106; 9Bet Crv ; 2.65; 5600;occ; 82; 0;32037  
 19; 1620.3; 16-APR-2008 04:57:23; Bright; 37.0; 163; 7Del Crv ; 2.94; 11000;occ; 74; 0;32037  
 20; 1876.1; 16-APR-2008 05:01:39; Bright; 37.5; 121; 29Gam Vir ; 2.74; 7200;occ; 75; 0;32037  
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 22; 2279.8; 16-APR-2008 05:08:22; Bright; 35.0; 96; 68Del Leo ; 2.56; 9300;occ; 70; 0;32037  
 23; 2675.5; 16-APR-2008 05:14:58; Bright; 34.5; 174; 52Psi UMa ; 3.00; 4400;occ; 69; 0;32037  
 24; 2819.8; 16-APR-2008 05:17:22; Bright; 34.5; 87; 64Gam UMa ; 2.43; 11000;occ; 69; 0;32037  
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 26; 3443.0; 16-APR-2008 05:27:45; Bright; 35.0; 49; 1Alp UMi ; 1.99; 6300;occ; 70; 0;32037

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 5; -679.6; 16-APR-2008 05:59:39; Dark ; 44.5; 142; 49Del Cap ; 2.85; 8900;occ; 89; 0;32037  
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 7; -466.7; 16-APR-2008 06:03:12; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;32037  
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 9; -241.3; 16-APR-2008 06:06:57; Dark ; 42.5; 31; Alp Gru ; 1.73; 15200;occ; 85; 0;32037  
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 11; 58.4; 16-APR-2008 06:11:57; Dark ; 42.5; 45; Alp Pav ; 1.94; 26000;occ; 85; 0;32038  
 12; 498.4; 16-APR-2008 06:19:17; Dark ; 39.0; 43; Alp TrA ; 1.91; 4250;occ; 78; 0;32038  
 13; 624.6; 16-APR-2008 06:21:23; Dark ; 38.0; 134; Bet TrA ; 2.81; 6600;occ; 76; 0;32038  
 14; 767.6; 16-APR-2008 06:23:46; Dark ; 54.0; 4; Alp1Cen ;-0.01; 5800;occ; 108; 0;32038  
 15; 895.9; 16-APR-2008 06:25:54; Dark ; 40.0; 20; Bet Cru ; 1.25; 30000;occ; 80; 0;32038  
 16; 1072.9; 16-APR-2008 06:28:51; Dark ; 39.0; 64; Gam Cen ; 2.20; 10600;occ; 78; 0;32038  
 17; 1195.5; 16-APR-2008 06:30:54; Dark ; 46.5; 54; 5The Cen ; 2.06; 4500;occ; 93; 0;32038  
 18; 1501.5; 16-APR-2008 06:36:00; Dark ; 42.5; 106; 9Bet Crv ; 2.65; 5600;occ; 85; 0;32038  
 19; 1620.5; 16-APR-2008 06:37:59; Bright; 36.5; 163; 7Del Crv ; 2.94; 11000;occ; 73; 0;32038  
 20; 1876.0; 16-APR-2008 06:42:14; Bright; 36.5; 121; 29Gam Vir ; 2.74; 7200;occ; 73; 0;32038  
 21; 2161.5; 16-APR-2008 06:47:00; Bright; 34.5; 62; 94Bet Leo ; 2.14; 9700;occ; 69; 0;32038  
 22; 2279.9; 16-APR-2008 06:48:58; Bright; 35.5; 96; 68Del Leo ; 2.56; 9300;occ; 71; 0;32038  
 23; 2675.6; 16-APR-2008 06:55:34; Bright; 35.0; 174; 52Psi UMa ; 3.00; 4400;occ; 70; 0;32038  
 24; 2819.8; 16-APR-2008 06:57:58; Bright; 36.0; 87; 64Gam UMa ; 2.43; 11000;occ; 72; 0;32038  
 25; 2961.9; 16-APR-2008 07:00:20; Bright; 35.5; 36; 50Alp UMa ; 1.80; 6300;occ; 71; 0;32038  
 26; 3442.9; 16-APR-2008 07:08:21; Bright; 34.5; 49; 1Alp UMi ; 1.99; 6300;occ; 69; 0;32038

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1; -2159.3; 16-APR-2008 07:15:35; Bright; 47.0; 110; 37Del Cas ; 2.68; 8900;occ; 94; 0;32038  
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 8; -363.2; 16-APR-2008 07:45:31; Dark ; 39.0; 172; Gam Gru ; 3.00; 13100;occ; 78; 0;32038  
 9; -240.9; 16-APR-2008 07:47:33; Dark ; 41.0; 31; Alp Gru ; 1.73; 15200;occ; 82; 0;32038  
 10; -49.6; 16-APR-2008 07:50:45; Dark ; 39.0; 148; Alp Tuc ; 2.88; 4100;occ; 78; 0;32038  
 11; 498.9; 16-APR-2008 07:59:53; Dark ; 42.0; 43; Alp TrA ; 1.91; 4250;occ; 84; 0;32039  
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 15; 1073.0; 16-APR-2008 08:09:27; Dark ; 38.0; 64; Gam Cen ; 2.20; 10600;occ; 76; 0;32039  
 16; 1195.7; 16-APR-2008 08:11:30; Dark ; 45.5; 54; 5The Cen ; 2.06; 4500;occ; 91; 0;32039  
 17; 1501.6; 16-APR-2008 08:16:36; Dark ; 41.5; 106; 9Bet Crv ; 2.65; 5600;occ; 83; 0;32039  
 18; 1620.7; 16-APR-2008 08:18:35; Bright; 35.5; 163; 7Del Crv ; 2.94; 11000;occ; 71; 0;32039

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 3; 2280.0; 16-APR-2008 08:29:34; Bright; 35.0; 96; 68Del Leo ; 2.56; 9300;occ; 70; 0;32039

4; 2675.8; 16-APR-2008 08:36:10; Bright; 34.5; 174; 52Psi UMa ; 3.00; 4400;occ; 69; 0;32039  
5; 2819.7; 16-APR-2008 08:38:34; Bright; 35.5; 87; 64Gam UMa ; 2.43; 11000;occ; 71; 0;32039  
6; 2962.0; 16-APR-2008 08:40:56; Bright; 35.5; 36; 50Alp UMa ; 1.80; 6300;occ; 71; 0;32039  
7; 3442.9; 16-APR-2008 08:48:57; Bright; 33.0; 49; 1Alp UMi ; 1.99; 6300;occ; 66; 0;32039  
8; 3876.8; 16-APR-2008 08:56:11; Bright; 39.0; 110; 37Del Cas ; 2.68; 8900;occ; 78; 0;32039  
9; 3946.4; 16-APR-2008 08:57:21; Bright; 34.5; 74; 11Bet Cas ; 2.27; 6600;occ; 69; 0;32039  
10; 4477.1; 16-APR-2008 09:06:11; Bright; 37.0; 164; 44Eta Peg ; 2.95; 5400;occ; 74; 0;32039  
11; 5054.4; 16-APR-2008 09:15:49; Dark ; 47.0; 162; 34Alp Aqr ; 2.94; 5350;occ; 94; 0;32039  
12; 5357.6; 16-APR-2008 09:20:52; Dark ; 43.5; 142; 49Del Cap ; 2.85; 8900;occ; 87; 0;32039  
13; 5466.8; 16-APR-2008 09:22:41; Dark ; 42.0; 18; 24Alp PsA ; 1.17; 9700;occ; 84; 0;32039  
14; 5570.0; 16-APR-2008 09:24:24; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;32039  
15; 5673.2; 16-APR-2008 09:26:08; Dark ; 38.0; 172; Gam Gru ; 3.00; 13100;occ; 76; 0;32039  
16; 5795.3; 16-APR-2008 09:28:10; Dark ; 41.0; 31; Alp Gru ; 1.73; 15200;occ; 82; 0;32039  
17; 5986.6; 16-APR-2008 09:31:21; Dark ; 37.5; 148; Alp Tuc ; 2.88; 4100;occ; 75; 0;32039  
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19; 6535.1; 16-APR-2008 09:40:30; Dark ; 41.0; 43; Alp TrA ; 1.91; 4250;occ; 82; 0;32039  
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4; 2676.0; 16-APR-2008 10:16:46; Bright; 35.0; 174; 52Psi UMa ; 3.00; 4400;occ; 70; 0;32040  
5; 2819.7; 16-APR-2008 10:19:10; Bright; 35.5; 87; 64Gam UMa ; 2.43; 11000;occ; 71; 0;32040  
6; 2962.0; 16-APR-2008 10:21:32; Bright; 34.0; 36; 50Alp UMa ; 1.80; 6300;occ; 68; 0;32040  
7; 3442.8; 16-APR-2008 10:29:33; Bright; 35.5; 49; 1Alp UMi ; 1.99; 6300;occ; 71; 0;32040  
8; 3876.9; 16-APR-2008 10:36:47; Bright; 37.0; 110; 37Del Cas ; 2.68; 8900;occ; 74; 0;32040  
9; 3971.2; 16-APR-2008 10:38:21; Bright; 33.0; 68; 18Alp Cas ; 2.22; 4500;occ; 66; 0;32040  
10; 4477.1; 16-APR-2008 10:46:47; Bright; 37.5; 164; 44Eta Peg ; 2.95; 5400;occ; 75; 0;32040  
11; 5054.8; 16-APR-2008 10:56:25; Dark ; 45.5; 162; 34Alp Aqr ; 2.94; 5350;occ; 91; 0;32040  
12; 5358.1; 16-APR-2008 11:01:28; Dark ; 43.5; 142; 49Del Cap ; 2.85; 8900;occ; 87; 0;32040  
13; 5467.0; 16-APR-2008 11:03:17; Dark ; 42.5; 18; 24Alp PsA ; 1.17; 9700;occ; 85; 0;32040  
14; 5570.3; 16-APR-2008 11:05:01; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;32040  
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16; 5795.6; 16-APR-2008 11:08:46; Dark ; 39.0; 31; Alp Gru ; 1.73; 15200;occ; 78; 0;32040  
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23; 7109.3; 16-APR-2008 11:30:40; Dark ; 40.5; 64; Gam Cen ; 2.20; 10600;occ; 81; 0;32040  
24; 7232.4; 16-APR-2008 11:32:43; Dark ; 42.5; 54; 5The Cen ; 2.06; 4500;occ; 85; 0;32040  
25; 7537.7; 16-APR-2008 11:37:48; Dark ; 37.5; 106; 9Bet Crv ; 2.65; 5600;occ; 75; 0;32040  
26; 7656.8; 16-APR-2008 11:39:47; Bright; 37.0; 163; 7Del Crv ; 2.94; 11000;occ; 74; 0;32040

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18; 5813.6; 19-APR-2008 17:57:12; Dark ; 42.5; 31; Alp Gru ; 1.73; 15200;occ; 85; 0;32087  
19; 5998.0; 19-APR-2008 18:00:16; Dark ; 38.0; 148; Alp Tuc ; 2.88; 4100;occ; 76; 0;32087  
20; 6122.0; 19-APR-2008 18:02:20; Dark ; 39.5; 45; Alp Pav ; 1.94; 26000;occ; 79; 0;32087  
21; 6554.4; 19-APR-2008 18:09:33; Dark ; 43.0; 43; Alp TrA ; 1.91; 4250;occ; 86; 0;32087  
22; 6682.6; 19-APR-2008 18:11:41; Dark ; 39.0; 134; Bet TrA ; 2.81; 6600;occ; 78; 0;32087  
23; 6821.1; 19-APR-2008 18:14:00; Dark ; 51.0; 4; Alp1Cen ;-0.01; 5800;occ; 102; 0;32087  
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5; 1878.7; 19-APR-2008 18:32:13; Bright; 36.5; 121; 29Gam Vir ; 2.74; 7200;occ; 73; 0;32088  
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9; 2819.5; 19-APR-2008 18:47:54; Bright; 35.5; 87; 64Gam UMA ; 2.43; 11000;occ; 71; 0;32088  
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19; 5998.2; 19-APR-2008 19:40:53; Dark ; 39.0; 148; Alp Tuc ; 2.88; 4100;occ; 78; 0;32088  
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2;	-339.8;	20-APR-2008	00:37:38;	Dark	;	59.5;	0;			;	0.00;	0;occ;	119;	0;	32091
3;	-220.9;	20-APR-2008	00:39:37;	Dark	;	42.0;	31;	Alp	Gru	;	1.73;	15200;occ;	84;	0;	32091
4;	-37.1;	20-APR-2008	00:42:41;	Dark	;	41.0;	148;	Alp	Tuc	;	2.88;	4100;occ;	82;	0;	32091
5;	88.1;	20-APR-2008	00:44:46;	Dark	;	39.0;	45;	Alp	Pav	;	1.94;	26000;occ;	78;	0;	32092
6;	519.9;	20-APR-2008	00:51:58;	Dark	;	41.5;	43;	Alp	TrA	;	1.91;	4250;occ;	83;	0;	32092
7;	648.1;	20-APR-2008	00:54:06;	Dark	;	39.5;	134;	Bet	TrA	;	2.81;	6600;occ;	79;	0;	32092
8;	786.2;	20-APR-2008	00:56:24;	Dark	;	53.0;	4;	Alp1Cen		;	-0.01;	5800;occ;	106;	0;	32092
9;	905.2;	20-APR-2008	00:58:23;	Dark	;	41.5;	20;	Bet	Cru	;	1.25;	30000;occ;	83;	0;	32092
10;	1083.2;	20-APR-2008	01:01:21;	Dark	;	39.5;	64;	Gam	Cen	;	2.20;	10600;occ;	79;	0;	32092
11;	1253.7;	20-APR-2008	01:04:12;	Dark	;	38.0;	123;	Iot	Cen	;	2.75;	10200;occ;	76;	0;	32092
12;	1510.4;	20-APR-2008	01:08:29;	Dark	;	39.0;	106;	9Bet	Crv	;	2.65;	5600;occ;	78;	0;	32092
13;	1628.5;	20-APR-2008	01:10:27;	Bright;	;	37.5;	163;	7Del	Crv	;	2.94;	11000;occ;	75;	0;	32092
14;	1878.8;	20-APR-2008	01:14:37;	Bright;	;	36.5;	121;	29Gam	Vir	;	2.74;	7200;occ;	73;	0;	32092
15;	2168.4;	20-APR-2008	01:19:26;	Bright;	;	35.0;	62;	94Bet	Leo	;	2.14;	9700;occ;	70;	0;	32092
16;	2292.7;	20-APR-2008	01:21:31;	Bright;	;	35.5;	96;	68Del	Leo	;	2.56;	9300;occ;	71;	0;	32092
17;	2685.3;	20-APR-2008	01:28:03;	Bright;	;	36.0;	174;	52Psi	UMa	;	3.00;	4400;occ;	72;	0;	32092
18;	2819.4;	20-APR-2008	01:30:17;	Bright;	;	35.5;	87;	64Gam	UMa	;	2.43;	11000;occ;	71;	0;	32092
19;	2967.9;	20-APR-2008	01:32:46;	Bright;	;	36.0;	36;	50Alp	UMa	;	1.80;	6300;occ;	72;	0;	32092
20;	3443.3;	20-APR-2008	01:40:41;	Bright;	;	35.0;	49;	1Alp	UMi	;	1.99;	6300;occ;	70;	0;	32092
21;	3889.3;	20-APR-2008	01:48:07;	Bright;	;	45.5;	110;	37Del	Cas	;	2.68;	8900;occ;	91;	0;	32092
22;	3980.3;	20-APR-2008	01:49:38;	Bright;	;	35.0;	68;	18Alp	Cas	;	2.22;	4500;occ;	70;	0;	32092
23;	4510.7;	20-APR-2008	01:58:29;	Bright;	;	37.5;	93;	53Bet	Peg	;	2.52;	3100;occ;	75;	0;	32092
24;	4732.4;	20-APR-2008	02:02:11;	Dark	;	42.0;	90;	54Alp	Peg	;	2.49;	11000;occ;	84;	0;	32092
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2;	-339.7;	20-APR-2008	02:18:14;	Dark	;	59.5;	0;			;	0.00;	0;occ;	119;	0;	32092
3;	-220.6;	20-APR-2008	02:20:13;	Dark	;	39.0;	31;	Alp	Gru	;	1.73;	15200;occ;	78;	0;	32092
4;	-37.0;	20-APR-2008	02:23:17;	Dark	;	38.0;	148;	Alp	Tuc	;	2.88;	4100;occ;	76;	0;	32092
5;	88.7;	20-APR-2008	02:25:23;	Dark	;	40.5;	45;	Alp	Pav	;	1.94;	26000;occ;	81;	0;	32093
6;	520.2;	20-APR-2008	02:32:34;	Dark	;	38.0;	43;	Alp	TrA	;	1.91;	4250;occ;	76;	0;	32093
7;	648.7;	20-APR-2008	02:34:43;	Dark	;	39.0;	134;	Bet	TrA	;	2.81;	6600;occ;	78;	0;	32093
8;	786.7;	20-APR-2008	02:37:01;	Dark	;	53.0;	4;	Alp1Cen		;	-0.01;	5800;occ;	106;	0;	32093
9;	905.4;	20-APR-2008	02:38:59;	Dark	;	42.5;	20;	Bet	Cru	;	1.25;	30000;occ;	85;	0;	32093
10;	1083.5;	20-APR-2008	02:41:57;	Dark	;	42.0;	64;	Gam	Cen	;	2.20;	10600;occ;	84;	0;	32093
11;	1254.0;	20-APR-2008	02:44:48;	Dark	;	38.5;	123;	Iot	Cen	;	2.75;	10200;occ;	77;	0;	32093
12;	1510.7;	20-APR-2008	02:49:05;	Dark	;	41.5;	106;	9Bet	Crv	;	2.65;	5600;occ;	83;	0;	32093
13;	1628.6;	20-APR-2008	02:51:03;	Bright;	;	35.0;	163;	7Del	Crv	;	2.94;	11000;occ;	70;	0;	32093
14;	1879.0;	20-APR-2008	02:55:13;	Bright;	;	37.0;	121;	29Gam	Vir	;	2.74;	7200;occ;	74;	0;	32093
15;	2168.5;	20-APR-2008	03:00:02;	Bright;	;	39.0;	62;	94Bet	Leo	;	2.14;	9700;occ;	78;	0;	32093
16;	2292.9;	20-APR-2008	03:02:07;	Bright;	;	35.0;	96;	68Del	Leo	;	2.56;	9300;occ;	70;	0;	32093
17;	2685.5;	20-APR-2008	03:08:39;	Bright;	;	35.5;	174;	52Psi	UMa	;	3.00;	4400;occ;	71;	0;	32093
18;	2819.7;	20-APR-2008	03:10:54;	Bright;	;	33.0;	87;	64Gam	UMa	;	2.43;	11000;occ;	66;	0;	32093
19;	2968.2;	20-APR-2008	03:13:22;	Bright;	;	36.5;	36;	50Alp	UMa	;	1.80;	6300;occ;	73;	0;	32093
20;	3443.4;	20-APR-2008	03:21:17;	Bright;	;	33.0;	49;	1Alp	UMi	;	1.99;	6300;occ;	66;	0;	32093
21;	3889.6;	20-APR-2008	03:28:44;	Bright;	;	17.5;	110;	37Del	Cas	;	2.68;	8900;occ;	35;	0;	32093
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4;	-1303.4;	20-APR-2008	03:42:47;	Dark	;	41.5;	90;	54Alp	Peg	;	2.49;	11000;occ;	83;	0;	32093
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6;	-339.6;	20-APR-2008	03:58:50;	Dark	;	59.5;	0;			;	0.00;	0;occ;	119;	0;	32093
7;	-219.9;	20-APR-2008	04:00:50;	Dark	;	39.5;	31;	Alp	Gru	;	1.73;	15200;occ;	79;	0;	32093
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9;	89.5;	20-APR-2008	04:05:59;	Dark	;	39.5;	45;	Alp	Pav	;	1.94;	26000;occ;	79;	0;	32094
10;	520.8;	20-APR-2008	04:13:11;	Dark	;	40.5;	43;	Alp	TrA	;	1.91;	4250;occ;	81;	0;	32094
11;	649.3;	20-APR-2008	04:15:19;	Dark	;	38.0;	134;	Bet	TrA	;	2.81;	6600;occ;	76;	0;	32094
12;	787.2;	20-APR-2008	04:17:37;	Dark	;	48.0;	4;	Alp1Cen		;	-0.01;	5800;occ;	96;	0;	32094
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14;	1083.9;	20-APR-2008	04:22:34;	Dark	;	38.5;	64;	Gam	Cen	;	2.20;	10600;occ;	77;	0;	32094
15;	1254.3;	20-APR-2008	04:25:24;	Dark	;	39.0;	123;	Iot	Cen	;	2.75;	10200;occ;	78;	0;	32094
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17; 1629.2; 20-APR-2008 06:12:15; Bright; 35.0; 163; 7Del Crv ; 2.94; 11000;occ; 70; 0;32095
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22; 2819.8; 20-APR-2008 06:32:06; Bright; 34.5; 87; 64Gam UMa ; 2.43; 11000;occ; 69; 0;32095
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 9; 921.1; 28-APR-2008 01:47:31; Dark ; 37.0; 20; Bet Cru ; 1.25; 30000;occ; 74; 0;32207
10; 1025.4; 28-APR-2008 01:49:15; Dark ; 41.0; 78; Alp Lup ; 2.30; 28000;occ; 82; 0;32207
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 7; 158.0; 28-APR-2008 03:15:24; Dark ; 39.0; 45; Alp Pav ; 1.94; 26000;occ; 78; 0;32208  
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 10; 3444.8; 30-APR-2008 13:10:32; Bright; 33.5; 49; 1Alp UMi ; 1.99; 6300;occ; 67; 0;32242  
 11; 3917.9; 30-APR-2008 13:18:25; Bright; 33.5; 110; 37Del Cas ; 2.68; 8900;occ; 67; 0;32242  
 12; 4000.3; 30-APR-2008 13:19:48; Bright; 49.0; 68; 18Alp Cas ; 2.22; 4500;occ; 98; 0;32242  
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 14; 5541.7; 30-APR-2008 13:45:29; Dark ; 44.0; 18; 24Alp PsA ; 1.17; 9700;occ; 88; 0;32242  
 15; 5667.9; 30-APR-2008 13:47:35; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;32242  
 16; 5887.5; 30-APR-2008 13:51:15; Dark ; 40.5; 31; Alp Gru ; 1.73; 15200;occ; 81; 0;32242  
 17; 6045.1; 30-APR-2008 13:53:53; Dark ; 37.5; 148; Alp Tuc ; 2.88; 4100;occ; 75; 0;32242  
 18; 6216.2; 30-APR-2008 13:56:44; Dark ; 29.0; 45; Alp Pav ; 1.94; 26000;occ; 58; 0;32242  
 19; 6612.8; 30-APR-2008 14:03:20; Dark ; 39.5; 43; Alp TrA ; 1.91; 4250;occ; 79; 0;32242  
 20; 6744.7; 30-APR-2008 14:05:32; Dark ; 38.0; 134; Bet TrA ; 2.81; 6600;occ; 76; 0;32242  
 21; 6868.2; 30-APR-2008 14:07:36; Dark ; 43.0; 4; Alp1Cen ;-0.01; 5800;occ; 86; 0;32242  
 22; 6961.0; 30-APR-2008 14:09:09; Dark ; 43.5; 20; Bet Cru ; 1.25; 30000;occ; 87; 0;32242  
 23; 7073.3; 30-APR-2008 14:11:01; Dark ; 38.0; 78; Alp Lup ; 2.30; 28000;occ; 76; 0;32242  
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 25; 7291.4; 30-APR-2008 14:14:39; Dark ; 42.5; 54; 5The Cen ; 2.06; 4500;occ; 85; 0;32242  
 26; 7548.6; 30-APR-2008 14:18:56; Dark ; 19.0; 169; 46Gam Hya ; 2.99; 4700;occ; 38; 0;32242

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 5; 2202.5; 30-APR-2008 14:30:26; Bright; 35.0; 62; 94Bet Leo ; 2.14; 9700;occ; 70; 0;32243  
 6; 2559.9; 30-APR-2008 14:36:23; Bright; 33.5; 152; 12Alp2CVn ; 2.89; 11000;occ; 67; 0;32243  
 7; 2727.4; 30-APR-2008 14:39:11; Bright; 36.5; 174; 52Psi UMa ; 3.00; 4400;occ; 73; 0;32243  
 8; 2832.8; 30-APR-2008 14:40:56; Bright; 36.5; 87; 64Gam UMa ; 2.43; 11000;occ; 73; 0;32243  
 9; 2916.9; 30-APR-2008 14:42:20; Bright; 35.0; 82; 48Bet UMa ; 2.37; 10600;occ; 70; 0;32243  
 10; 2995.8; 30-APR-2008 14:43:39; Bright; 38.0; 36; 50Alp UMa ; 1.80; 6300;occ; 76; 0;32243  
 11; 3444.9; 30-APR-2008 14:51:08; Bright; 33.5; 49; 1Alp UMi ; 1.99; 6300;occ; 67; 0;32243  
 12; 3918.2; 30-APR-2008 14:59:02; Bright; 48.5; 110; 37Del Cas ; 2.68; 8900;occ; 97; 0;32243  
 13; 4000.5; 30-APR-2008 15:00:24; Bright; 35.0; 68; 18Alp Cas ; 2.22; 4500;occ; 70; 0;32243  
 14; 5243.9; 30-APR-2008 15:21:07; Dark ; 43.0; 52; 16Bet Cet ; 2.04; 4500;occ; 86; 0;32243  
 15; 5542.2; 30-APR-2008 15:26:06; Dark ; 46.0; 18; 24Alp PsA ; 1.17; 9700;occ; 92; 0;32243  
 16; 5668.5; 30-APR-2008 15:28:12; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;32243  
 17; 5888.1; 30-APR-2008 15:31:52; Dark ; 41.5; 31; Alp Gru ; 1.73; 15200;occ; 83; 0;32243  
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 19; 6216.9; 30-APR-2008 15:37:20; Dark ; 25.0; 45; Alp Pav ; 1.94; 26000;occ; 50; 0;32243  
 20; 6613.2; 30-APR-2008 15:43:57; Dark ; 38.5; 43; Alp TrA ; 1.91; 4250;occ; 77; 0;32243  
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 22; 6868.5; 30-APR-2008 15:48:12; Dark ; 48.5; 4; Alp1Cen ;-0.01; 5800;occ; 97; 0;32243  
 23; 6961.1; 30-APR-2008 15:49:45; Dark ; 46.0; 20; Bet Cru ; 1.25; 30000;occ; 92; 0;32243  
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 25; 7166.4; 30-APR-2008 15:53:10; Dark ; 38.0; 81; Eta Cen ; 2.36; 28000;occ; 76; 0;32243  
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6; 2202.7; 30-APR-2008 16:11:02; Bright; 35.5; 62; 94Bet Leo ; 2.14; 9700;occ; 71; 0;32244
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13; 3918.1; 30-APR-2008 16:39:38; Bright; 32.0; 110; 37Del Cas ; 2.68; 8900;occ; 64; 0;32244
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16; 5542.7; 30-APR-2008 17:06:42; Dark ; 43.5; 18; 24Alp PsA ; 1.17; 9700;occ; 87; 0;32244
17; 5669.2; 30-APR-2008 17:08:49; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;32244
18; 5888.6; 30-APR-2008 17:12:28; Dark ; 39.5; 31; Alp Gru ; 1.73; 15200;occ; 79; 0;32244
19; 6045.8; 30-APR-2008 17:15:05; Dark ; 43.5; 148; Alp Tuc ; 2.88; 4100;occ; 87; 0;32244
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21; 6613.6; 30-APR-2008 17:24:33; Dark ; 38.5; 43; Alp TrA ; 1.91; 4250;occ; 77; 0;32244
22; 6745.3; 30-APR-2008 17:26:45; Dark ; 37.0; 134; Bet TrA ; 2.81; 6600;occ; 74; 0;32244
23; 6868.8; 30-APR-2008 17:28:48; Dark ; 47.0; 4; Alp1Cen ; -0.01; 5800;occ; 94; 0;32244
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3; 1256.0; 30-APR-2008 17:35:52; Dark ; 44.5; 54; 5The Cen ; 2.06; 4500;occ; 89; 0;32245
4; 1513.0; 30-APR-2008 17:40:09; Dark ; 44.5; 169; 46Gam Hya ; 2.99; 4700;occ; 89; 0;32245
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7; 2095.7; 30-APR-2008 17:49:51; Bright; 35.5; 138; 47Eps Vir ; 2.83; 4700;occ; 71; 0;32245
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9; 2559.9; 30-APR-2008 17:57:35; Bright; 34.5; 152; 12Alp2CVn ; 2.89; 11000;occ; 69; 0;32245
10; 2728.1; 30-APR-2008 18:00:24; Bright; 36.5; 174; 52Psi UMa ; 3.00; 4400;occ; 73; 0;32245
11; 2833.0; 30-APR-2008 18:02:09; Bright; 50.0; 87; 64Gam UMa ; 2.43; 11000;occ; 100; 0;32245
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13; 2996.2; 30-APR-2008 18:04:52; Bright; 38.0; 36; 50Alp UMa ; 1.80; 6300;occ; 76; 0;32245
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16; 4000.6; 30-APR-2008 18:21:36; Bright; 32.5; 68; 18Alp Cas ; 2.22; 4500;occ; 65; 0;32245
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18; 5543.1; 30-APR-2008 18:47:19; Dark ; 46.0; 18; 24Alp PsA ; 1.17; 9700;occ; 92; 0;32245
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23; 6745.7; 30-APR-2008 19:07:21; Dark ; 38.0; 134; Bet TrA ; 2.81; 6600;occ; 76; 0;32245
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7; 1896.8; 30-APR-2008 19:27:08; Bright; 35.5; 121; 29Gam Vir ; 2.74; 7200;occ; 71; 0;32246
8; 2095.8; 30-APR-2008 19:30:27; Bright; 35.5; 138; 47Eps Vir ; 2.83; 4700;occ; 71; 0;32246
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13; 2917.6; 30-APR-2008 19:44:09; Bright; 35.0; 82; 48Bet UMa ; 2.37; 10600;occ; 70; 0;32246
14; 2996.4; 30-APR-2008 19:45:28; Bright; 37.0; 36; 50Alp UMa ; 1.80; 6300;occ; 74; 0;32246
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20;	5670.3;	30-APR-2008	20:30:02;	Dark	;	59.5;	0;			;	0.00;	0;	occ;	119;	0;	32246
21;	5889.6;	30-APR-2008	20:33:41;	Dark	;	41.5;	31;	Alp	Gru	;	1.73;	15200;	occ;	83;	0;	32246
22;	6046.4;	30-APR-2008	20:36:18;	Dark	;	37.0;	148;	Alp	Tuc	;	2.88;	4100;	occ;	74;	0;	32246
23;	6614.1;	30-APR-2008	20:45:46;	Dark	;	38.0;	43;	Alp	TrA	;	1.91;	4250;	occ;	76;	0;	32246
24;	6746.0;	30-APR-2008	20:47:58;	Dark	;	36.5;	134;	Bet	TrA	;	2.81;	6600;	occ;	73;	0;	32246
25;	6869.3;	30-APR-2008	20:50:01;	Dark	;	43.5;	4;	Alp1Cen		;	-0.01;	5800;	occ;	87;	0;	32246
26;	6961.2;	30-APR-2008	20:51:33;	Dark	;	38.5;	20;	Bet	Cru	;	1.25;	30000;	occ;	77;	0;	32246