

# GOMOS Daily Report 10-JAN-2008

## Level 0 and Level 1 products

### SUMMARY

#### [1. General Info](#)

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

[2.1 Level 0: products arrived in PCF during current month \(see template here\)](#)

[2.2 Level 0: plot of mission plan versus production during reporting period](#)

[2.3 Level 0: summary of missing occultations with respect to the plan](#)

[2.4 Level 1: products arrived in PCF during reporting period](#)

#### [3. Plot of Spectrometers and Photometers temperatures](#)

#### [4. Dark Charge monitoring](#)

[4.1 Products that did not use the Dark Sky Area observation for DC computation](#)

[4.2 Plot of Dark Charge](#)

#### [5. Demodulation correction and quality product information monitoring](#)

[5.1 Percentage of products with some flags set](#)

[5.2 Plot of quality information per product \(time dependant\)](#)

[5.3 Plot of quality information per product \(world map\)](#)

#### [6. Star tangent altitude lost](#)

[6.1 Statistics on star tangent altitude lost](#)

[6.2 Plot of star tangent altitude lost: DARK products](#)

[6.3 Plot of star tangent altitude lost: BRIGHT products](#)

[6.3 Plot of star tangent altitude lost: TWILIGHT products](#)

#### [7. Star Acquisition and Tracking Unit \(SATU\)](#)

[7.1 SATU plots \(dark limb\): 'X' and 'Y' axis](#)

[7.2 SATU Noise Equivalent Angle statistics](#)

[7.2.1 SATU NEA Statistics \(table\)](#)

[7.2.2 Daily SATU NEA STD \(dark limb\) - trend since 1st April 2006](#)

[8. Auxiliary Data Files used for the production reported in section 2.4](#)

## [Level 2 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	12JAN2008 06:13:27
Data source version	GOMOS/5.00
Start time of products	QDS_YESTERDAY(/START)-1D (10JAN2008 00:00:00)
Stop time of products	QDS_YESTERDAY(/STOP)-1D (11JAN2008 00:00:00)
Store outputs in DB	Yes
Nb of level 1b prods	48
Nb of prods with errors	1

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

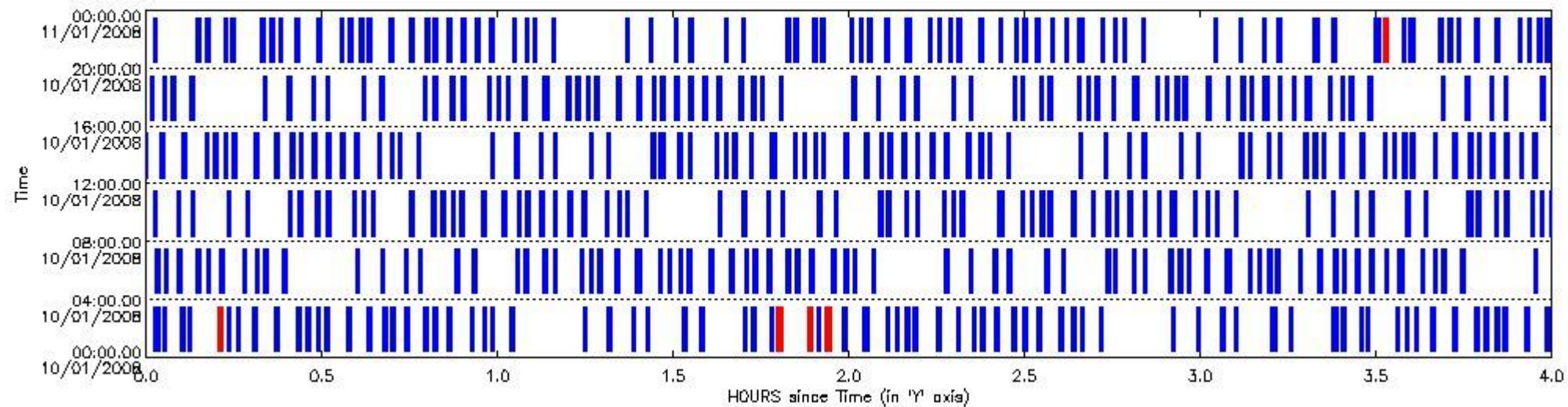
### 2.1 Level 0 products arrived in PCF (see template [here](#))

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

Red segments are missing products.

Blue segments are available products.

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



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

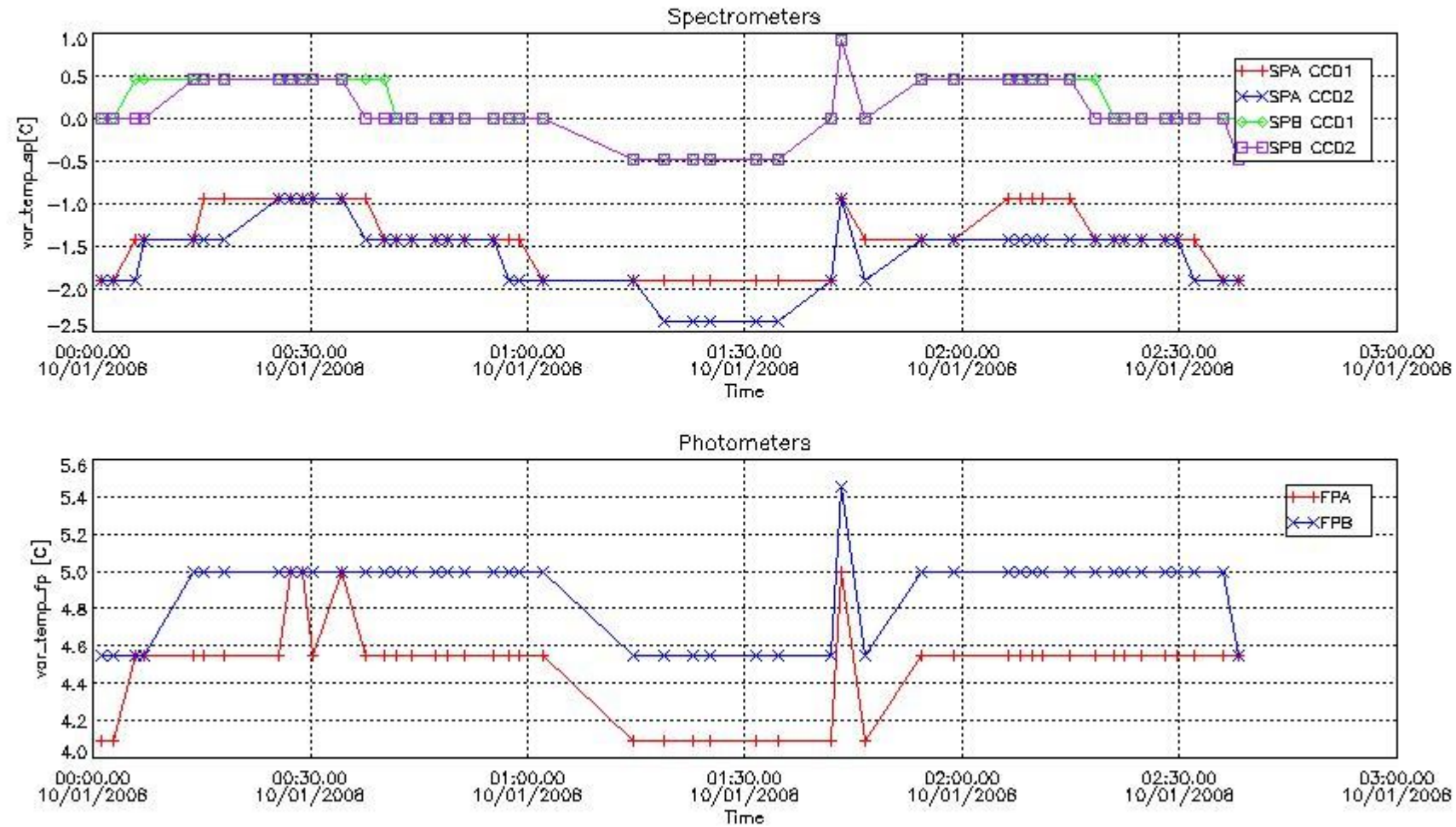
UTC start time	Star name	Star ID	Orbit
10-JAN-2008 00:12:12	GamLup	131	30645
10-JAN-2008 01:47:42	20SigSco	156	30646
10-JAN-2008 01:52:49	GamLup	131	30646
10-JAN-2008 01:55:53	AlpLup	78	30646
10-JAN-2008 23:31:11	13ZetOph	98	30659

### 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_1PNPDE20080110_000117_000000542065_00030_30645_0999.N1	10-JAN-2008 00:01:17	Bright	54.000	120	1Del Oph	2.7340	3200.0	108	30645	No
2	GOM_TRA_1PNPDE20080110_000245_000000352065_00030_30645_1000.N1	10-JAN-2008 00:02:45	Bright	35.000	98	13Zet Oph	2.5710	30000.	70	30645	No
3	GOM_TRA_1PNPDE20080110_000554_000000392065_00030_30645_1125.N1	10-JAN-2008 00:05:54	Bright	38.500	97	8Bet1Sco	2.5610	30000.	77	30645	No
4	GOM_TRA_1PNPDE20080110_000707_000000382065_00030_30645_1126.N1	10-JAN-2008 00:07:07	Twilight	37.500	156	20Sig Sco	2.9030	28000.	75	30645	No
5	GOM_TRA_1PNPDE20080110_001348_000000392065_00030_30645_1127.N1	10-JAN-2008 00:13:48	Dark	38.500	109	Bet Lup	2.6770	26000.	77	30645	No
6	GOM_TRA_1PNPDE20080110_001518_000000402065_00030_30645_1128.N1	10-JAN-2008 00:15:18	Dark	40.000	78	Alp Lup	2.3040	28000.	80	30645	No

7	GOM_TRA_1PNPDE20080110_001810_000000432065_00031_30646_1129.N1	10-JAN-2008 00:18:10	Dark	42.500	4	Alp1Cen	-0.010000	5800.0	85	30646	No
8	GOM_TRA_1PNPDE20080110_002541_000000382065_00031_30646_1130.N1	10-JAN-2008 00:25:41	Dark	38.000	124	The Car	2.7640	30000.	76	30646	No
9	GOM_TRA_1PNPDE20080110_002718_000000392065_00031_30646_1131.N1	10-JAN-2008 00:27:18	Dark	38.500	29	Bet Car	1.6720	10200.	77	30646	No
10	GOM_TRA_1PNPDE20080110_002901_000000412065_00031_30646_1132.N1	10-JAN-2008 00:29:01	Dark	40.500	71	lot Car	2.2460	7700.0	81	30646	No
11	GOM_TRA_1PNPDE20080110_003025_000000442065_00031_30646_1133.N1	10-JAN-2008 00:30:25	Dark	43.500	41	Eps Car	1.8600	4100.0	87	30646	No
12	GOM_TRA_1PNPDE20080110_003416_000000472065_00031_30646_1134.N1	10-JAN-2008 00:34:16	Dark	47.000	2	Alp Car	-0.73600	7000.0	94	30646	No
13	GOM_TRA_1PNPDE20080110_003741_000000502065_00031_30646_1135.N1	10-JAN-2008 00:37:41	Straylight	50.000	117	Pi Pup	2.7060	3800.0	100	30646	No
14	GOM_TRA_1PNPDE20080110_004020_000000452065_00031_30646_1136.N1	10-JAN-2008 00:40:20	Straylight	45.000	23	21Eps CMa	1.5020	26000.	90	30646	No
15	GOM_TRA_1PNPDE20080110_004147_000000432065_00031_30646_1137.N1	10-JAN-2008 00:41:47	Straylight	42.500	179	24Omi2CMa	3.0320	24000.	85	30646	No
16	GOM_TRA_1PNPDE20080110_004405_000000452065_00031_30646_1138.N1	10-JAN-2008 00:44:05	Straylight	44.500	1	9Alp CMa	-1.4400	11000.	89	30646	No
17	GOM_TRA_1PNPDE20080110_004717_000000452065_00031_30646_1139.N1	10-JAN-2008 00:47:17	Straylight	44.500	7	19Bet Ori	0.10000	14000.	89	30646	No
18	GOM_TRA_1PNPDE20080110_004901_000000432065_00031_30646_1140.N1	10-JAN-2008 00:49:01	Straylight	43.000	30	46Eps Ori	1.6940	30000.	86	30646	No
19	GOM_TRA_1PNPDE20080110_005120_000000512065_00031_30646_1141.N1	10-JAN-2008 00:51:20	Tw_i_and_stray	51.000	14	58Alp Ori	0.87000	3000.0	102	30646	No
20	GOM_TRA_1PNPDE20080110_005517_000000372065_00031_30646_1142.N1	10-JAN-2008 00:55:17	Bright	36.500	176	23Zet Tau	3.0200	22000.	73	30646	No
21	GOM_TRA_1PNPDE20080110_005724_000000382065_00031_30646_1143.N1	10-JAN-2008 00:57:24	Bright	37.500	28	12Bet Tau	1.6500	15200.	75	30646	No
22	GOM_TRA_1PNPDE20080110_005852_000000382065_00031_30646_1144.N1	10-JAN-2008 00:58:52	Bright	37.500	114	3lot Aur	2.6930	4600.0	75	30646	No
23	GOM_TRA_1PNPDE20080110_010206_000000392065_00031_30646_1145.N1	10-JAN-2008 01:02:06	Bright	38.500	42	34Bet Aur	1.9000	10200.	77	30646	No
24	GOM_TRA_1PNPDE20080110_011432_000000352065_00031_30646_1146.N1	10-JAN-2008 01:14:32	Bright	35.000	49	1Alp UMi	1.9900	6300.0	70	30646	No
25	GOM_TRA_1PNPDE20080110_011844_000000402065_00031_30646_1147.N1	10-JAN-2008 01:18:44	Bright	39.500	60	7Bet UMi	2.0810	3950.0	79	30646	No
26	GOM_TRA_1PNPDE20080110_012253_000000362065_00031_30646_1148.N1	10-JAN-2008 01:22:53	Bright	36.000	119	14Eta Dra	2.7270	4700.0	72	30646	No
27	GOM_TRA_1PNPDE20080110_012515_000000362065_00031_30646_1149.N1	10-JAN-2008 01:25:15	Bright	36.000	130	23Bet Dra	2.7990	5800.0	72	30646	No
28	GOM_TRA_1PNPDE20080110_013129_000000532065_00031_30646_1150.N1	10-JAN-2008 01:31:29	Bright	53.000	133	40Zet Her	2.8070	6000.0	106	30646	No
29	GOM_TRA_1PNPDE20080110_013430_000000532065_00031_30646_1151.N1	10-JAN-2008 01:34:30	Bright	53.000	127	27Bet Her	2.7810	4700.0	106	30646	No
30	GOM_TRA_1PNPDE20080110_014153_000000382065_00031_30646_1152.N1	10-JAN-2008 01:41:53	Bright	37.500	120	1Del Oph	2.7340	3200.0	75	30646	No
31	GOM_TRA_1PNPDE20080110_014321_000000522065_00031_30646_1293.N1	10-JAN-2008 01:43:21	Bright	52.000	98	13Zet Oph	2.5710	30000.	104	30646	Yes
32	GOM_TRA_1PNPDE20080110_014630_000000402065_00031_30646_1294.N1	10-JAN-2008 01:46:30	Bright	40.000	97	8Bet1Sco	2.5610	30000.	80	30646	No
33	GOM_TRA_1PNPDE20080110_015424_000000392065_00031_30646_1295.N1	10-JAN-2008 01:54:24	Dark	39.000	109	Bet Lup	2.6770	26000.	78	30646	No
34	GOM_TRA_1PNPDE20080110_015847_000000522065_00032_30647_1296.N1	10-JAN-2008 01:58:47	Dark	51.500	4	Alp1Cen	-0.010000	5800.0	103	30647	No
35	GOM_TRA_1PNPDE20080110_020618_000000392065_00032_30647_1297.N1	10-JAN-2008 02:06:18	Dark	39.000	124	The Car	2.7640	30000.	78	30647	No
36	GOM_TRA_1PNPDE20080110_020754_000000372065_00032_30647_1298.N1	10-JAN-2008 02:07:54	Dark	37.000	29	Bet Car	1.6720	10200.	74	30647	No
37	GOM_TRA_1PNPDE20080110_020938_000000402065_00032_30647_1299.N1	10-JAN-2008 02:09:38	Dark	40.000	71	lot Car	2.2460	7700.0	80	30647	No
38	GOM_TRA_1PNPDE20080110_021101_000000482065_00032_30647_1300.N1	10-JAN-2008 02:11:01	Dark	48.000	41	Eps Car	1.8600	4100.0	96	30647	No
39	GOM_TRA_1PNPDE20080110_021452_000000432065_00032_30647_1301.N1	10-JAN-2008 02:14:52	Dark	43.000	2	Alp Car	-0.73600	7000.0	86	30647	No
40	GOM_TRA_1PNPDE20080110_021817_000000442065_00032_30647_1302.N1	10-JAN-2008 02:18:17	Straylight	44.000	117	Pi Pup	2.7060	3800.0	88	30647	No
41	GOM_TRA_1PNPDE20080110_022056_000000422065_00032_30647_1303.N1	10-JAN-2008 02:20:56	Straylight	42.000	23	21Eps CMa	1.5020	26000.	84	30647	No
42	GOM_TRA_1PNPDE20080110_022223_000000422065_00032_30647_1304.N1	10-JAN-2008 02:22:23	Straylight	41.500	179	24Omi2CMa	3.0320	24000.	83	30647	No
43	GOM_TRA_1PNPDE20080110_022441_000000502065_00032_30647_1305.N1	10-JAN-2008 02:24:41	Straylight	49.500	1	9Alp CMa	-1.4400	11000.	99	30647	No
44	GOM_TRA_1PNPDE20080110_022753_000000452065_00032_30647_1306.N1	10-JAN-2008 02:27:53	Straylight	45.000	7	19Bet Ori	0.10000	14000.	90	30647	No
45	GOM_TRA_1PNPDE20080110_022937_000000422065_00032_30647_1307.N1	10-JAN-2008 02:29:37	Straylight	42.000	30	46Eps Ori	1.6940	30000.	84	30647	No
46	GOM_TRA_1PNPDE20080110_023156_000000502065_00032_30647_1308.N1	10-JAN-2008 02:31:56	Tw_i_and_stray	49.500	14	58Alp Ori	0.87000	3000.0	99	30647	No
47	GOM_TRA_1PNPDE20080110_023553_000000372065_00032_30647_1309.N1	10-JAN-2008 02:35:53	Bright	36.500	176	23Zet Tau	3.0200	22000.	73	30647	No
48	GOM_TRA_1PNPDE20080110_023800_000000382065_00032_30647_1310.N1	10-JAN-2008 02:38:00	Bright	38.000	28	12Bet Tau	1.6500	15200.	76	30647	No

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



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

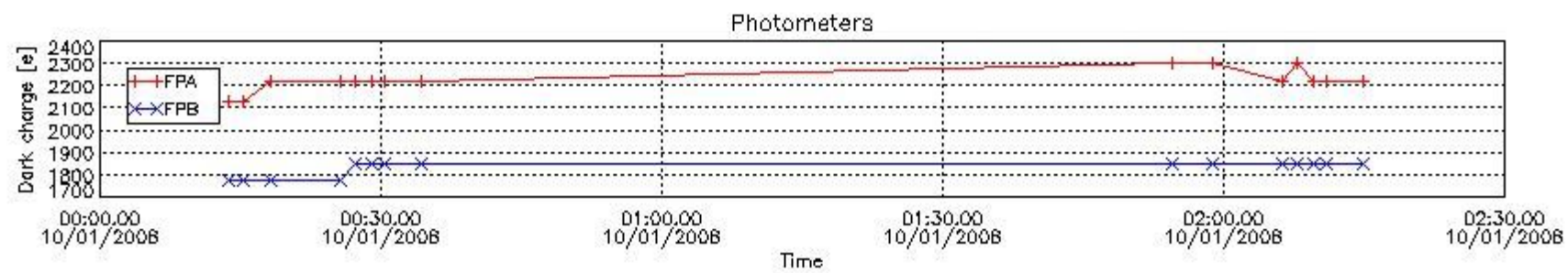
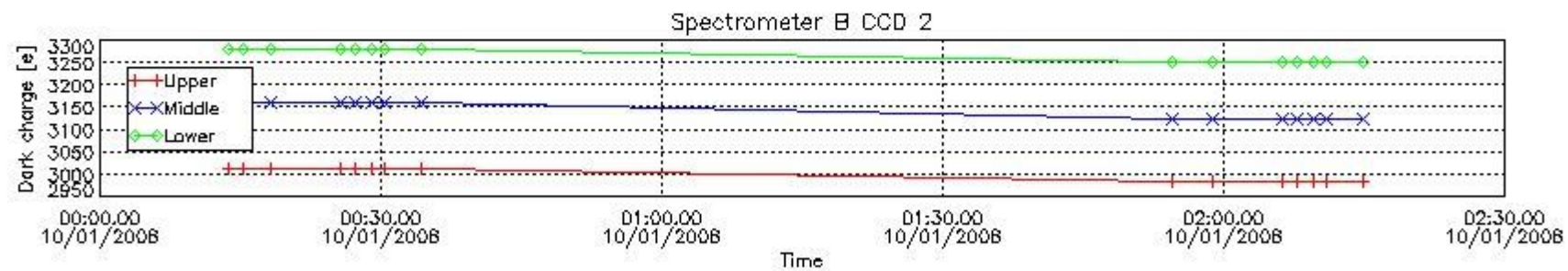
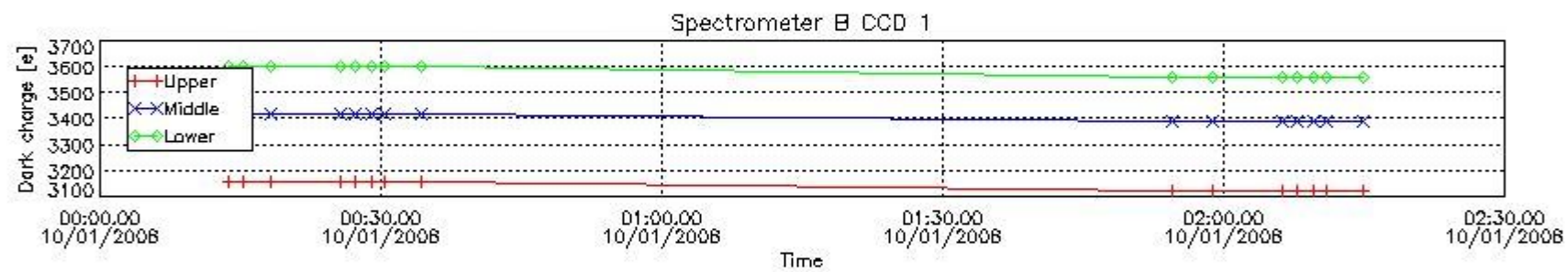
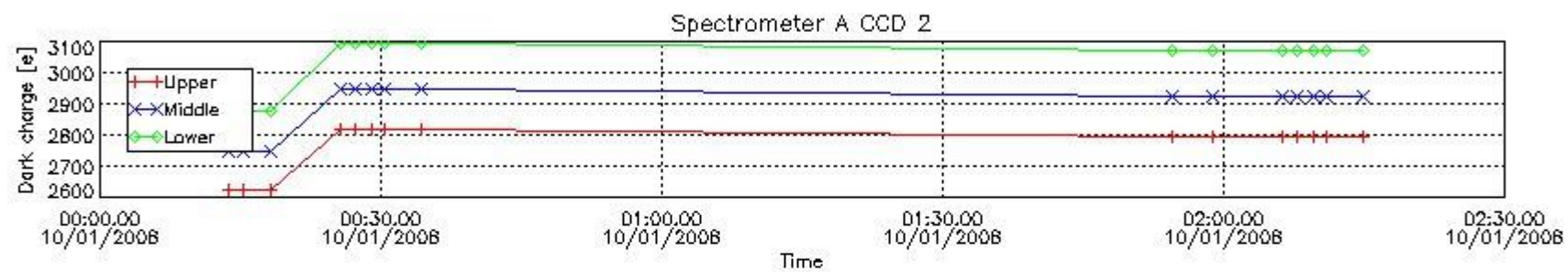
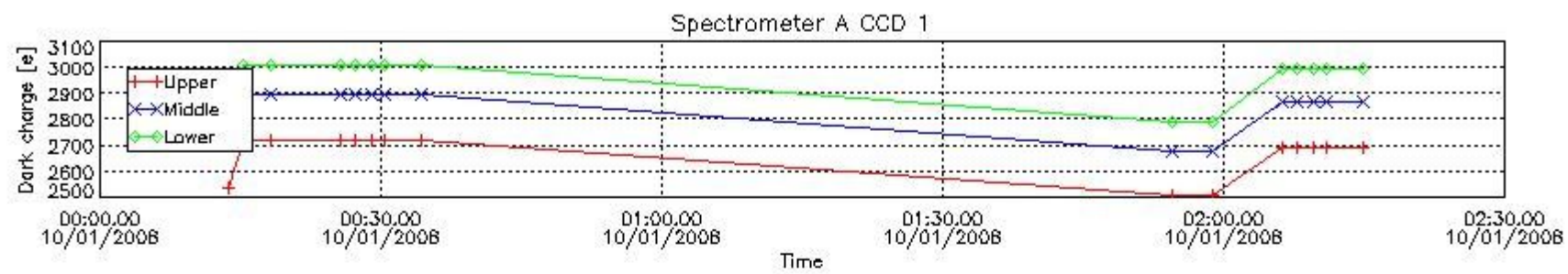
The Dark Charge (DC) is a temperature-dependant signal added to the useful measurements and it is therefore subtracted from them during the processing. There are two phenomena that produce a continuous increase of the DC: the "hot pixels" (a pixel is "hot" when its DC exceeds by a significant amount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





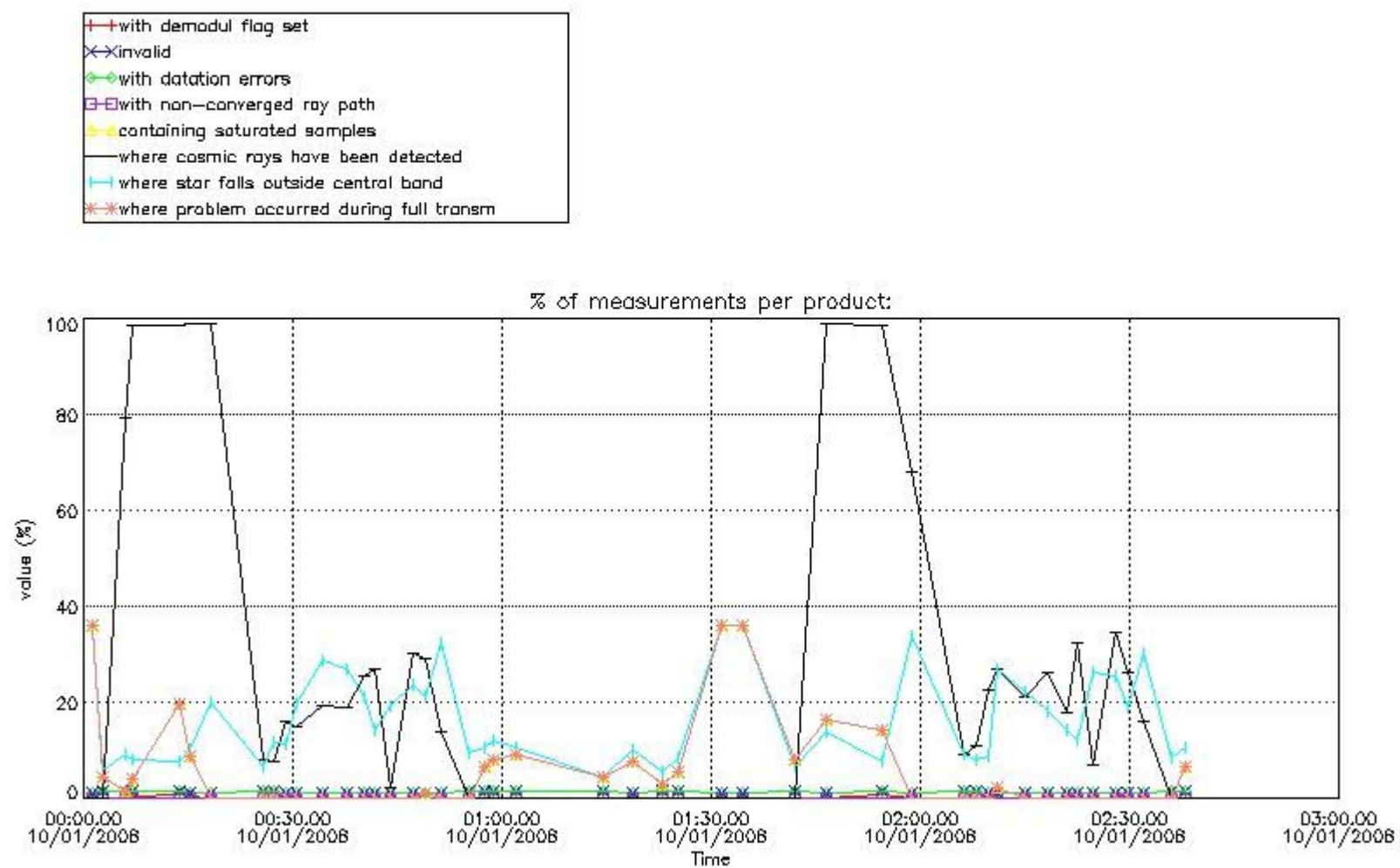
## 5. Demodulation flag and quality information monitoring

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:

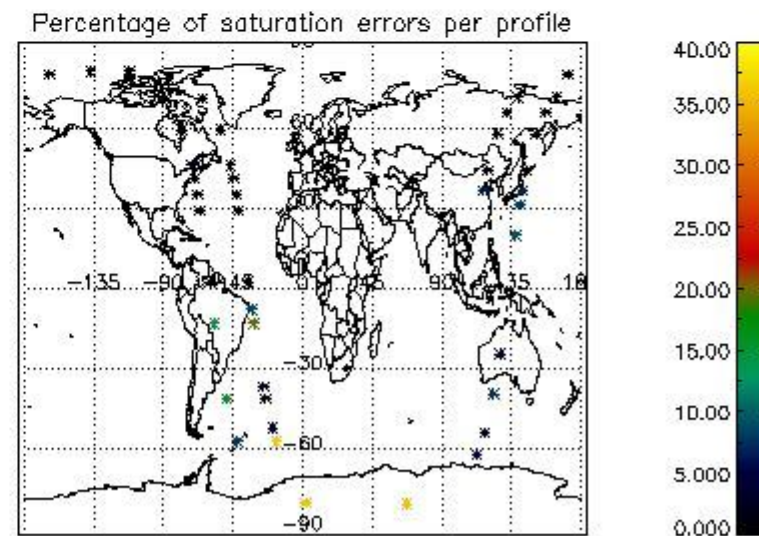
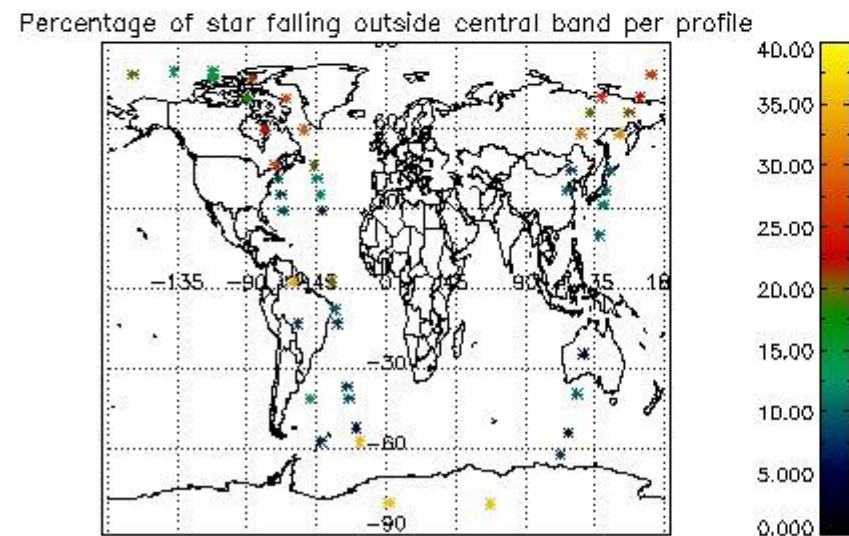
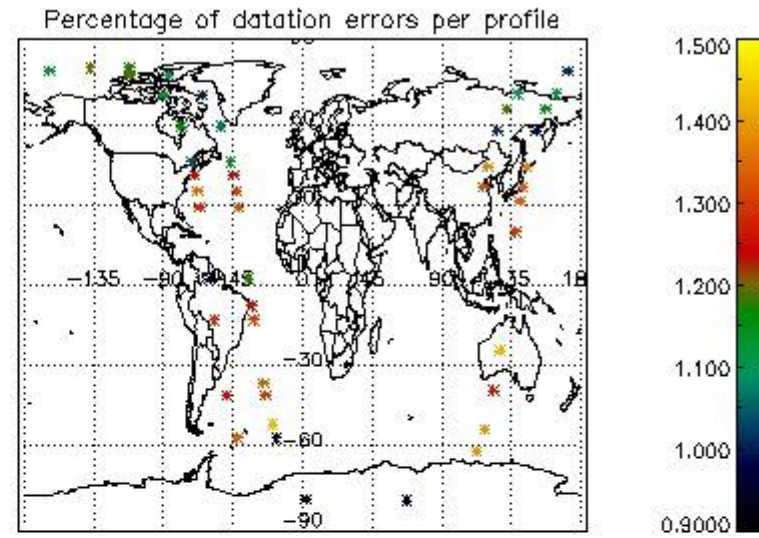
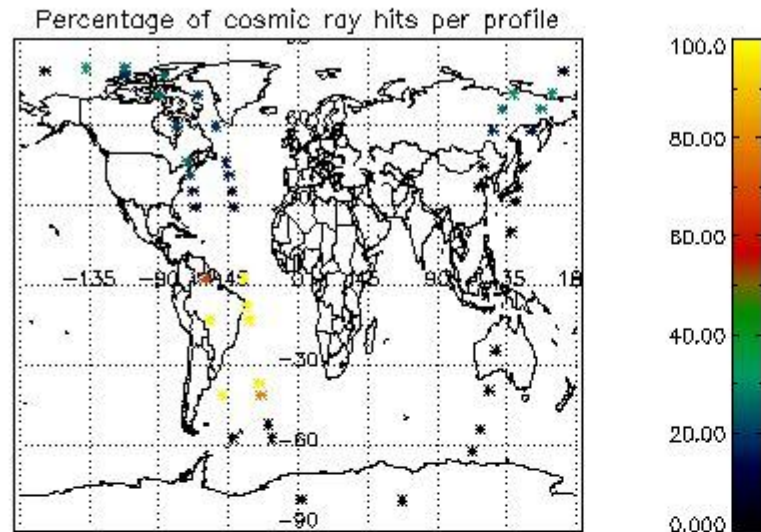
At least one measurement with demodulation flag set:	23.4043 %
Reference spectrum computed from DB:	0.00000 %
Reference spectrum with small number of measurements:	0.00000 %
SATU data not used:	0.00000 %

5.2 Plot quality information per product (time dependant)



5.3 Plot quality information per product (world map)





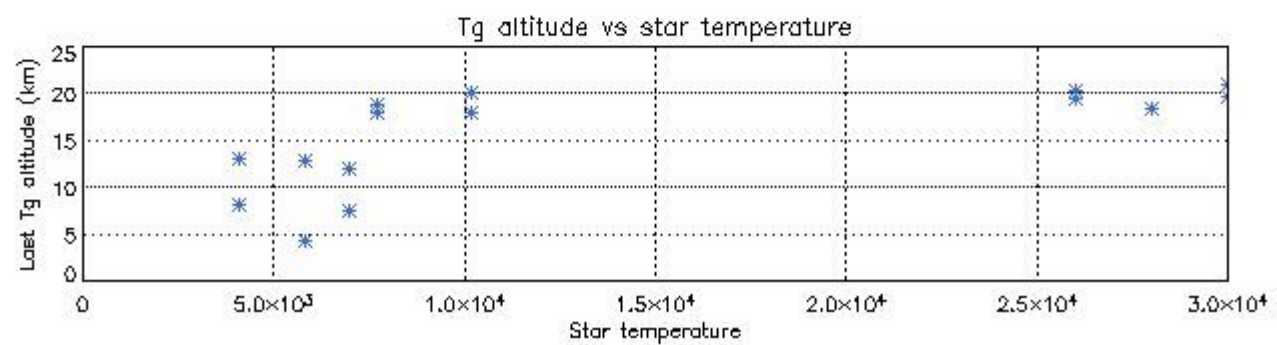
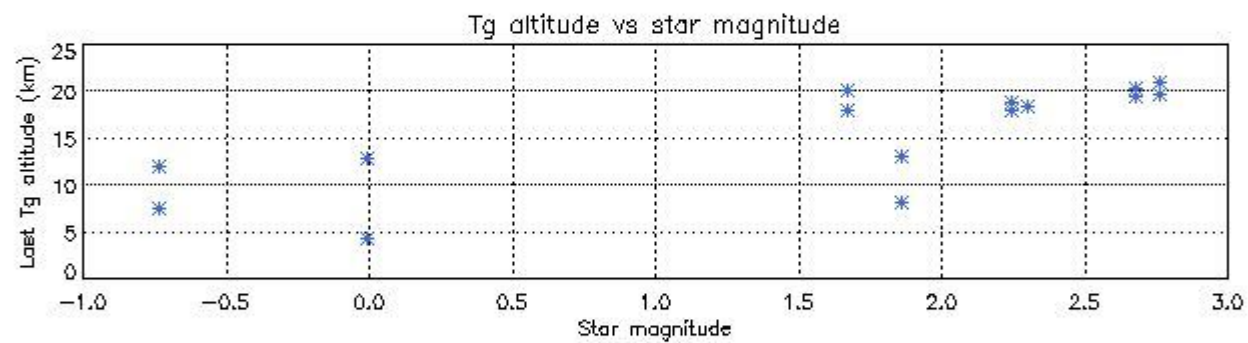
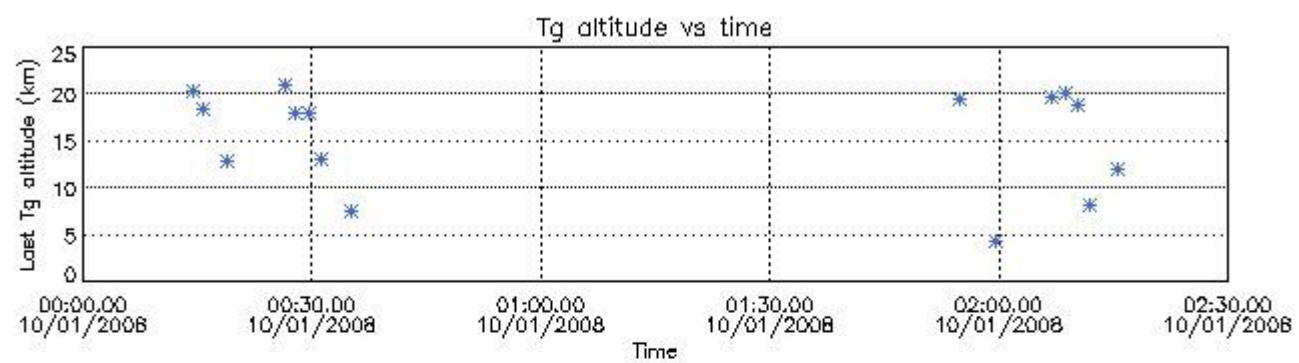
## 6. Statistics and plot of tangent altitude of the last measurement (DARK & BRIGHT products without errors)

### 6.1 Statistics on tangent altitude lost:

Statistics	DARK	BRIGHT	TWILIGHT
Mean:	15.418	16.187	NaN
St. deviation:	5.3976	6.0381	NaN
Maximum:	21.009	22.552	NaN
Minimum:	4.1848	4.2215	NaN
Number of data:	15.000	17.000	NaN

### 6.2 Plot for DARK limb products

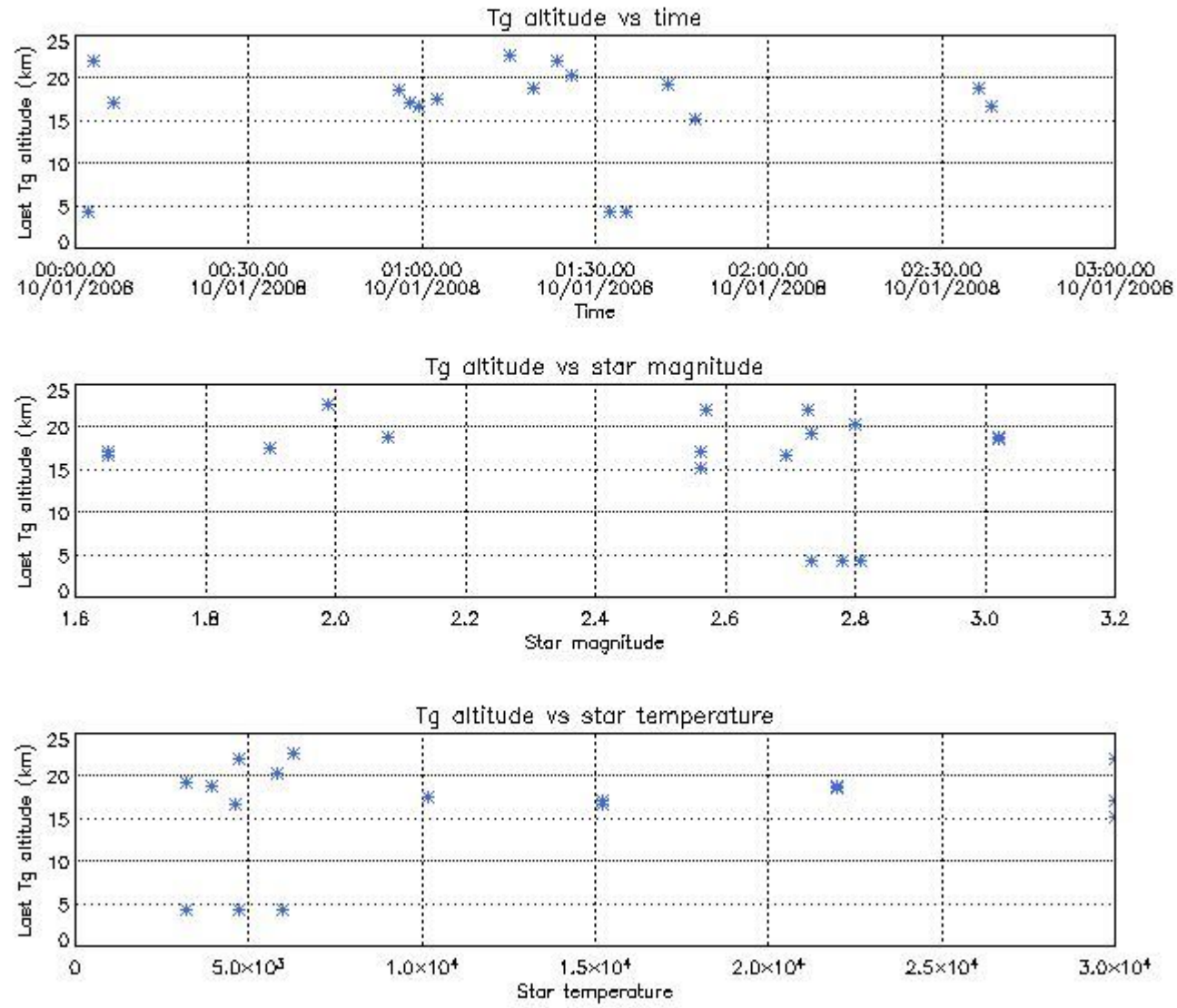
Tangent altitude at which the star is lost



6.3 Plot for BRIGHT limb products



## Tangent altitude at which the star is lost

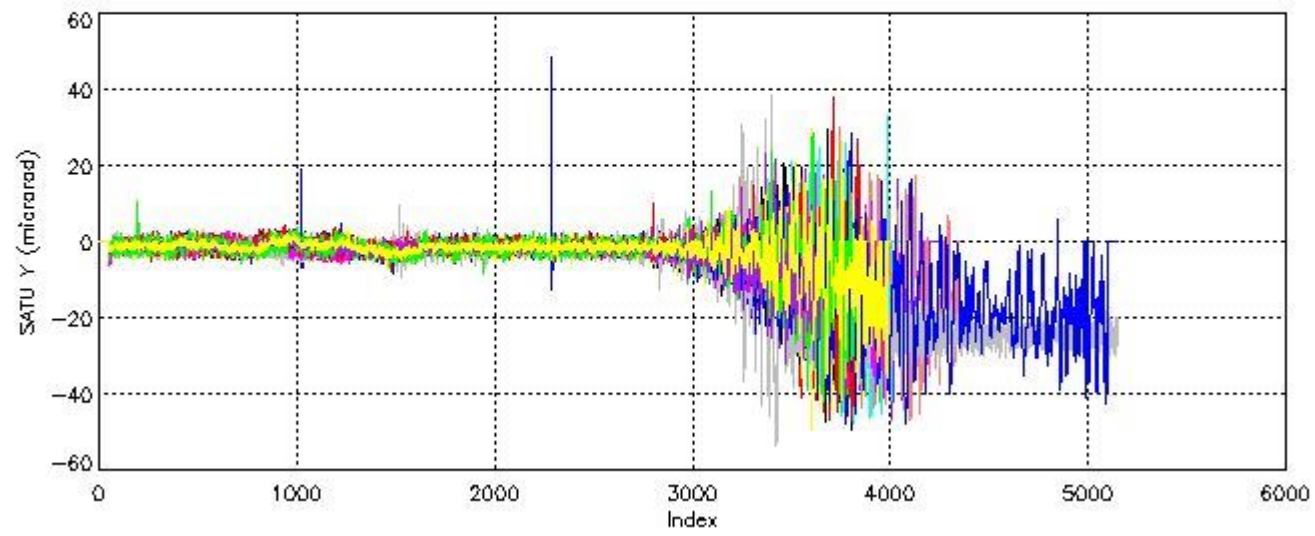
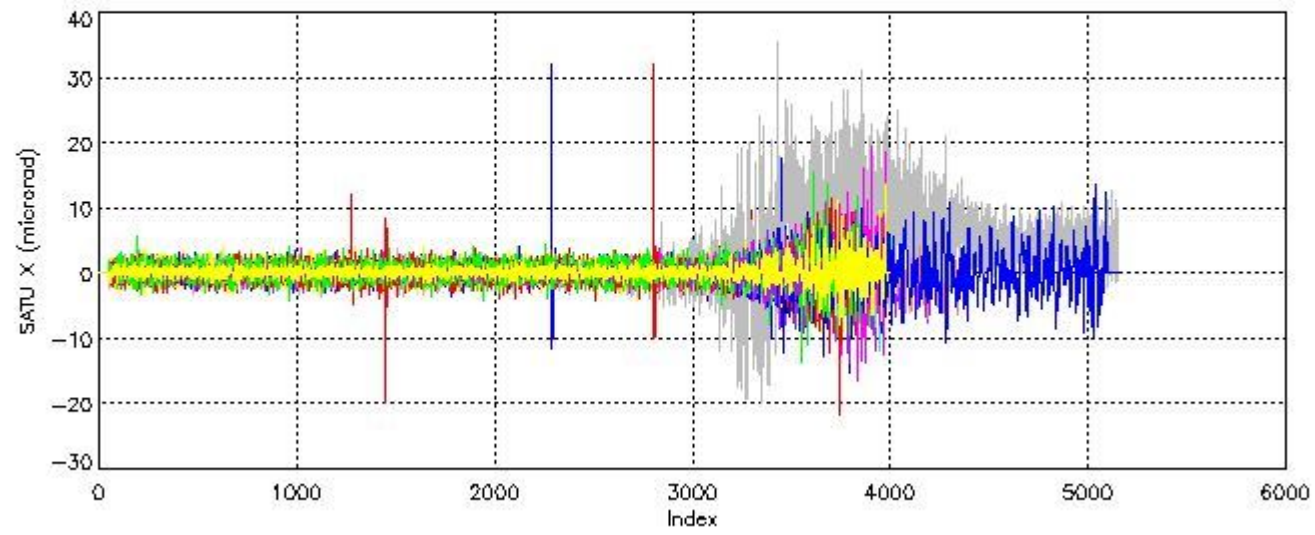


## 7. Star Acquisition and Tracking Unit (SATU)

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

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

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



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

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

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

### 7.2.1 SATU NEA Statistics (table)

Statistics	SATU X (D)	SATU Y (D)	SATU X (B)	SATU Y (B)
Mean:	0.098749	-1.1281	0.045036	-1.1495
St. deviation:	0.54397	0.99371	0.75936	1.2458
Maximum:	5.5000	10.700	5.5000	4.6000
Minimum:	-3.4000	-5.9000	-4.9000	-7.1000

Number of data:	13350.	13350.	14300.	14300.
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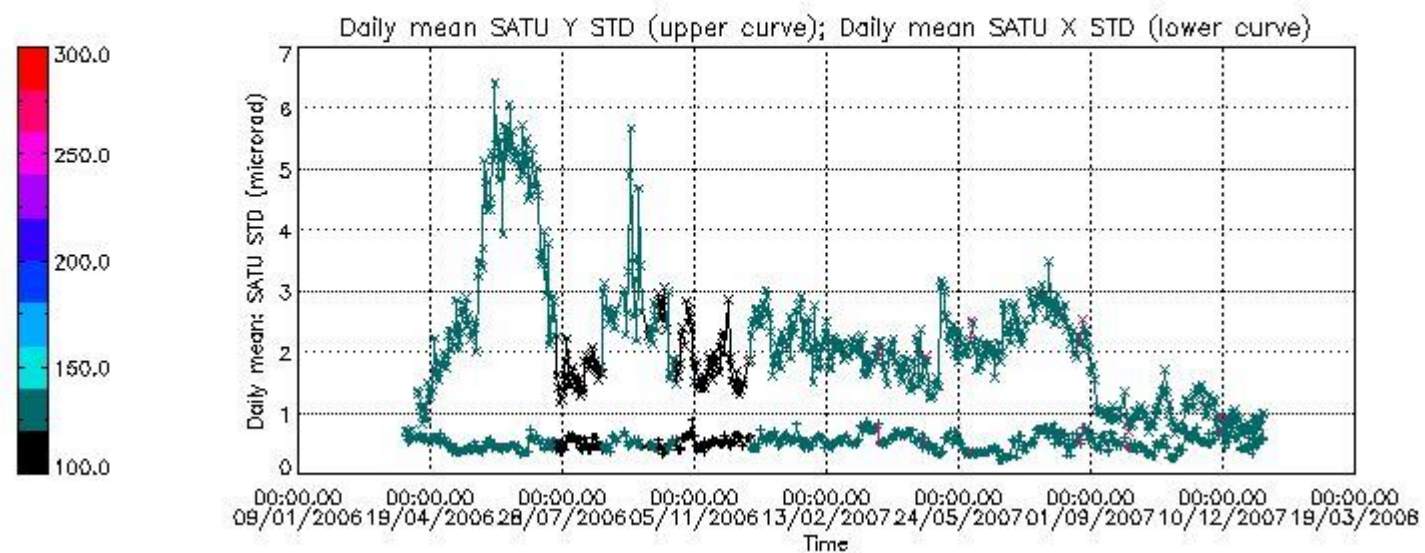
### 7.2.2 Trend of daily SATU NEA St. deviation since 1st April 2006 (dark limb)

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

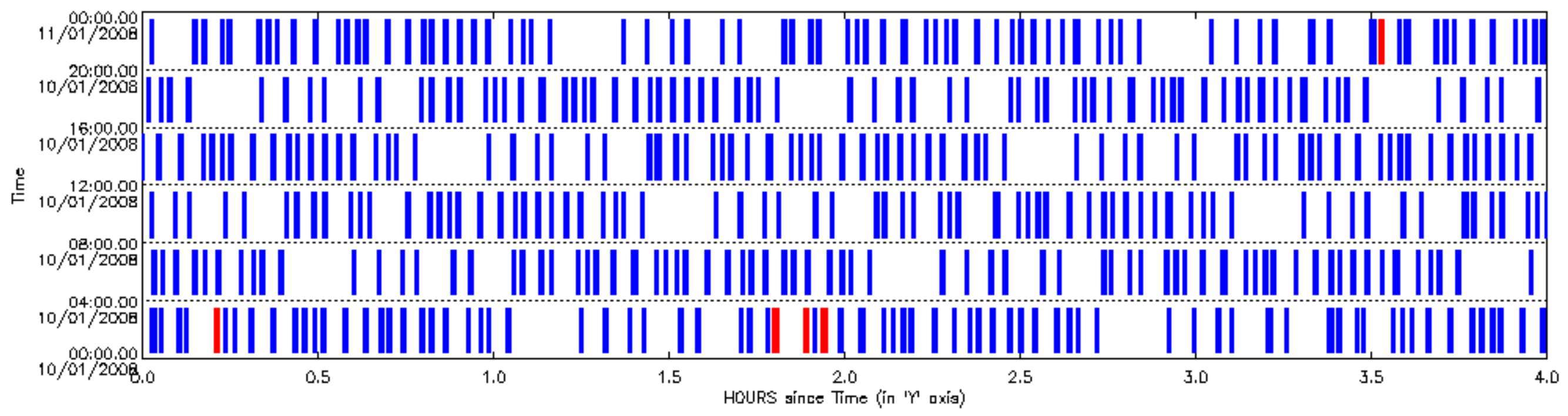


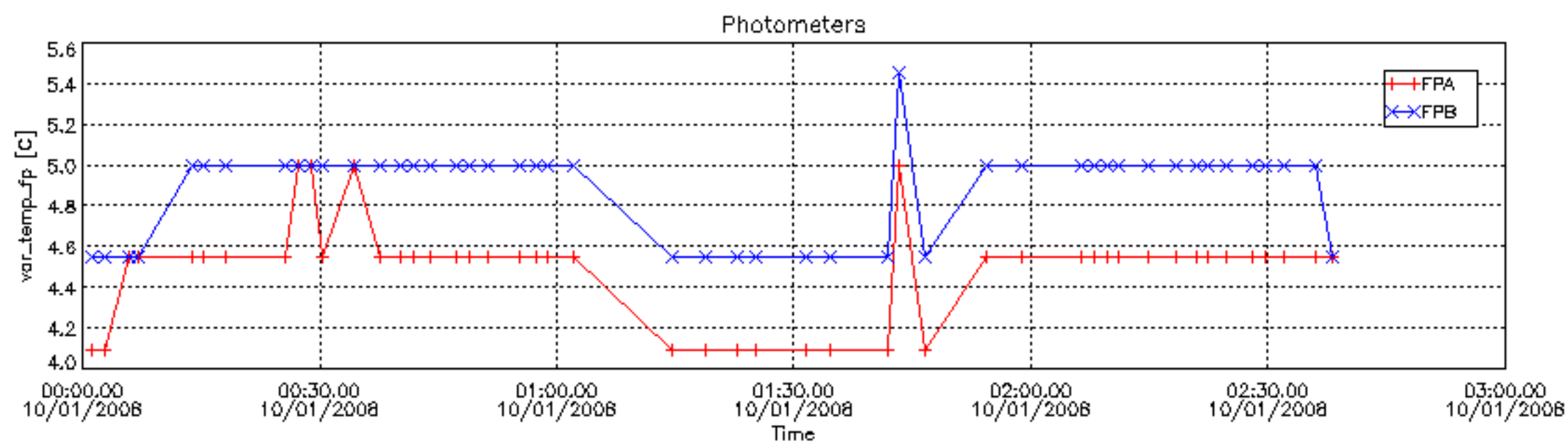
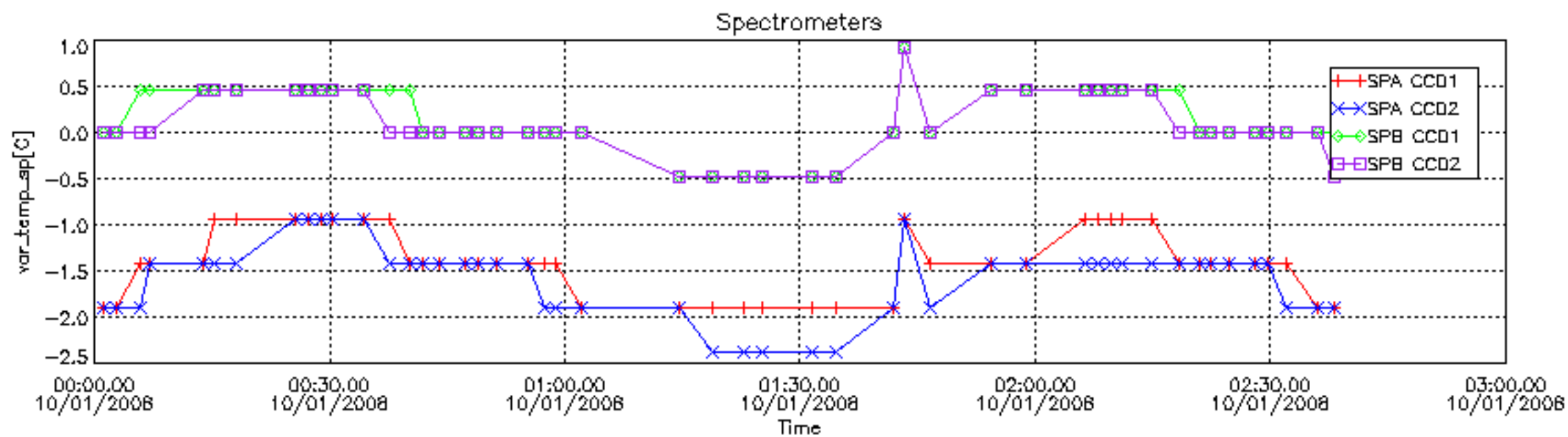
### 8. Auxiliary Data Files used for the production reported in section 2.4

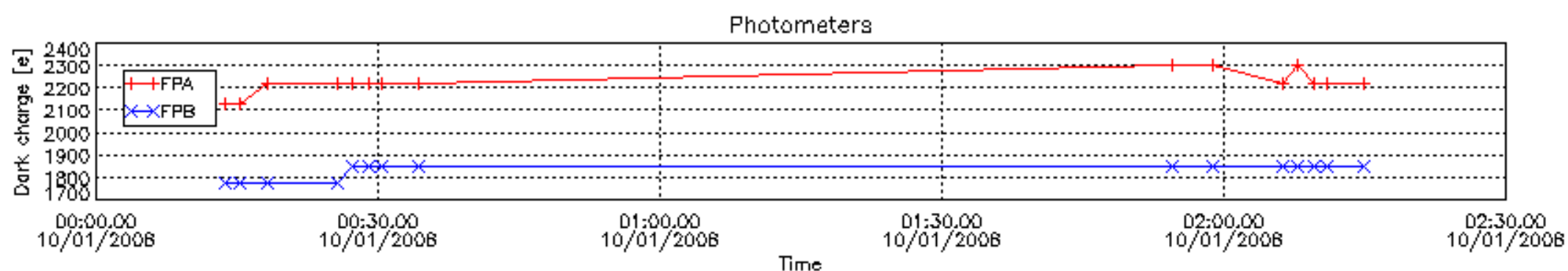
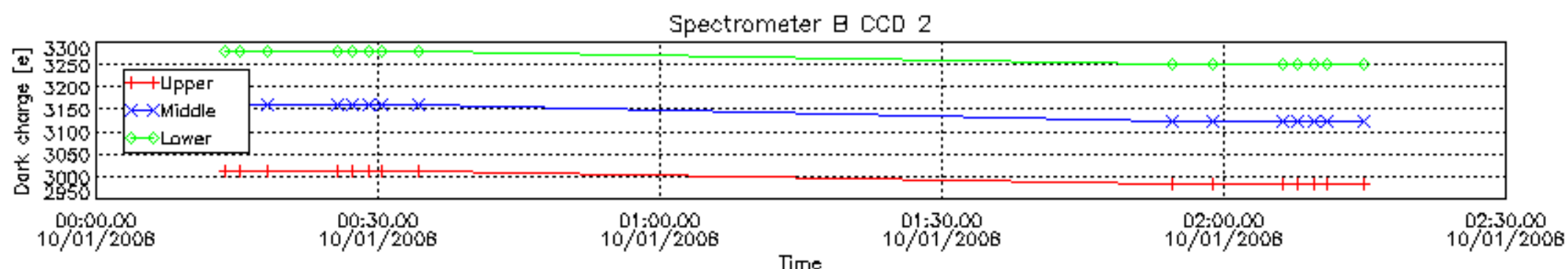
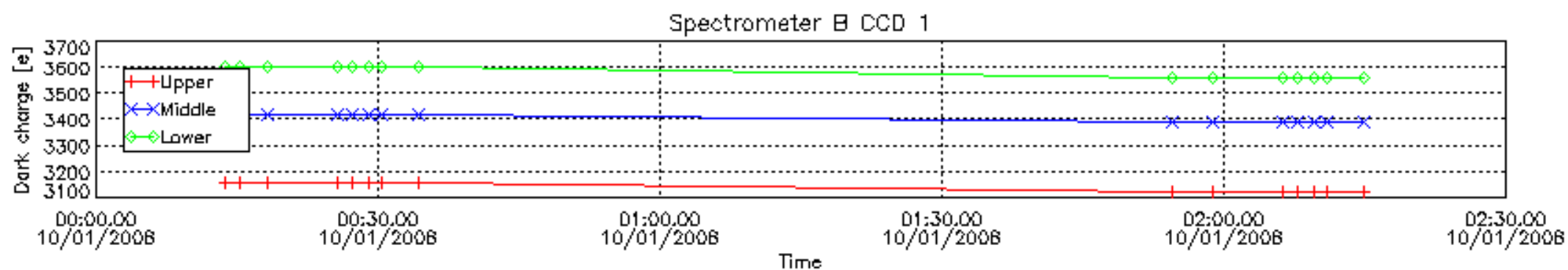
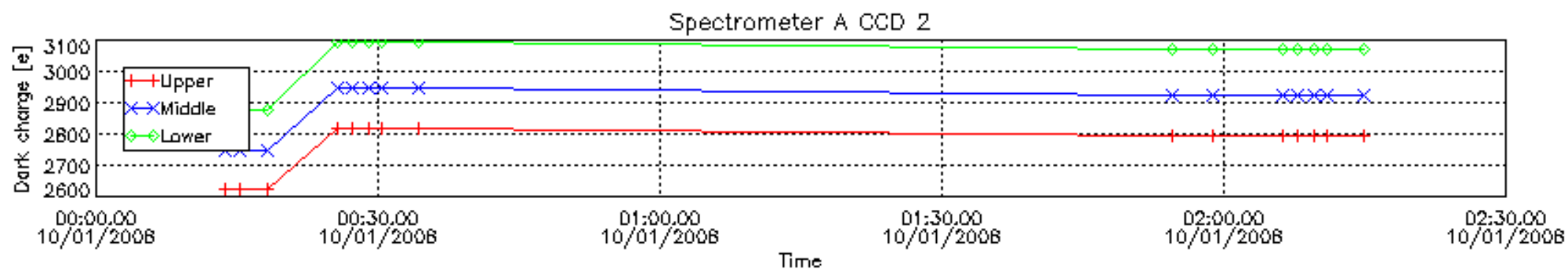
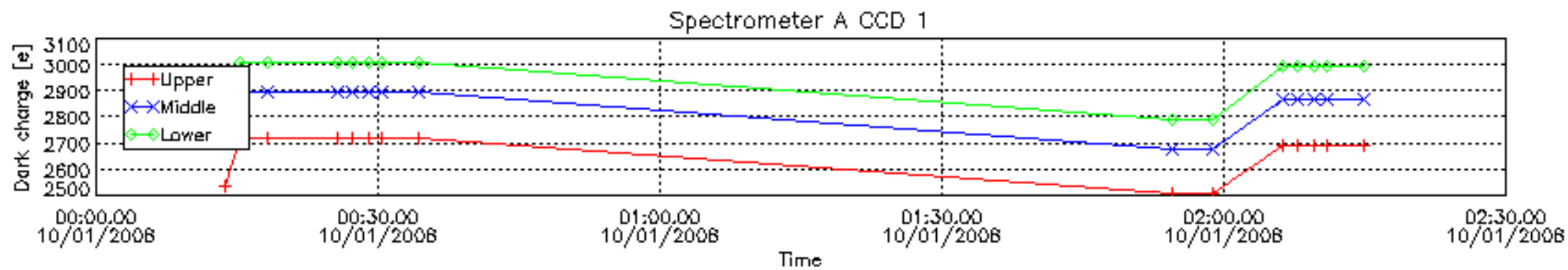
The number reported in the third column indicates since which file (see list in section 2.4) the corresponding auxiliary file has been used. The fourth column is the date of those product files.

Type	Auxiliary Filename	Used since product	Used since product date
INST_PHYS_CHARACTERISTICS	GOM_INS_AXNIEC20050627_150713_20030716_120000_20100101_000000	1	10-JAN-2008 00:01:17
CALIBRATION_DATABASE	GOM_CAL_AXVIEC20080109_125406_20080107_000000_20100101_000000	1	10-JAN-2008 00:01:17
LEVEL-1B_PROC_CONFIG	GOM_PR1_AXNIEC20050627_151042_20020301_000000_20100101_000000	1	10-JAN-2008 00:01:17
STAR_CATALOGUE	GOM_CAT_AXVIEC20020121_161009_20020101_000000_20200101_000000	1	10-JAN-2008 00:01:17
STELLAR_SPECTRA_DATABANK	GOM_STS_AXNIEC20040308_103538_20020101_160000_20100101_000000	1	10-JAN-2008 00:01:17
ECMWF_FILE	AUX_ECF_AXNECM20080109_073111_20080109_210000_20080110_090000	1	10-JAN-2008 00:01:17
OPTIONAL_ECMWF_FILE	MISSING	1	10-JAN-2008 00:01:17
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20080109_210758_000041442065_00029_30644_4918.N1	1	10-JAN-2008 00:01:17
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20080109_222221_000057382065_00029_30644_4919.N1	3	10-JAN-2008 00:05:54
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20080110_000318_000057382065_00030_30645_4920.N1	31	10-JAN-2008 01:43:21

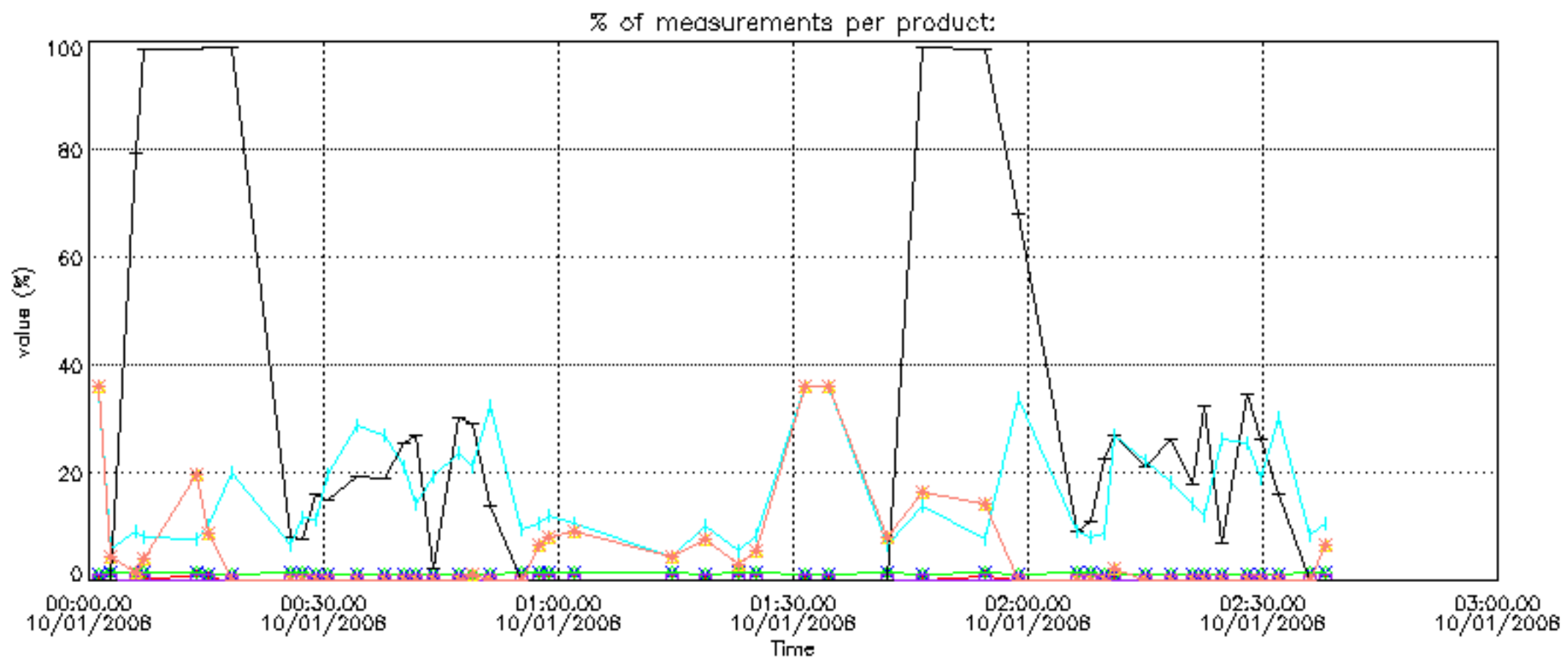




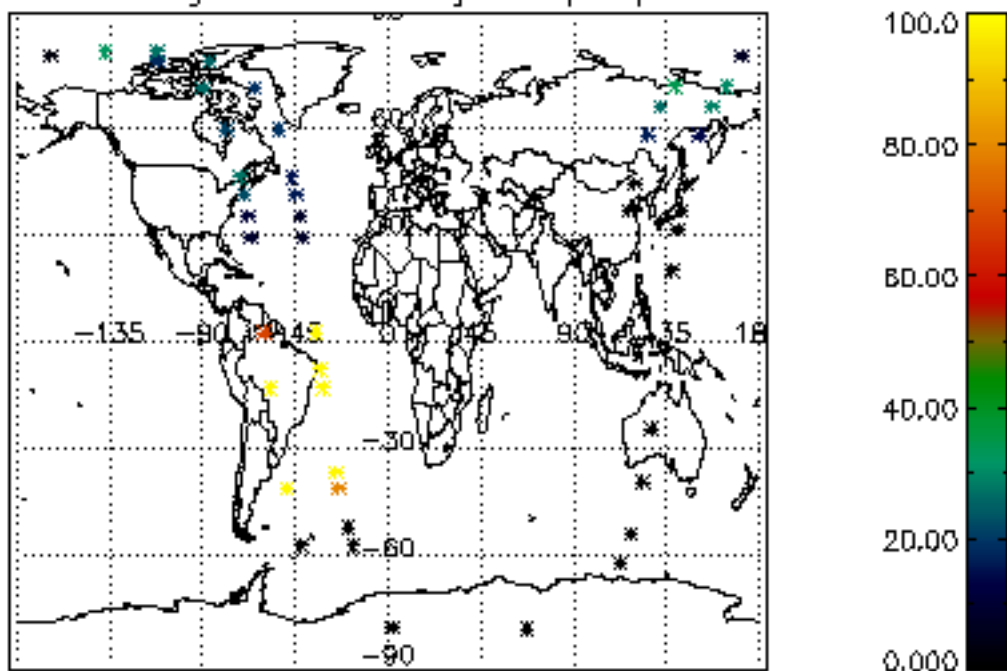




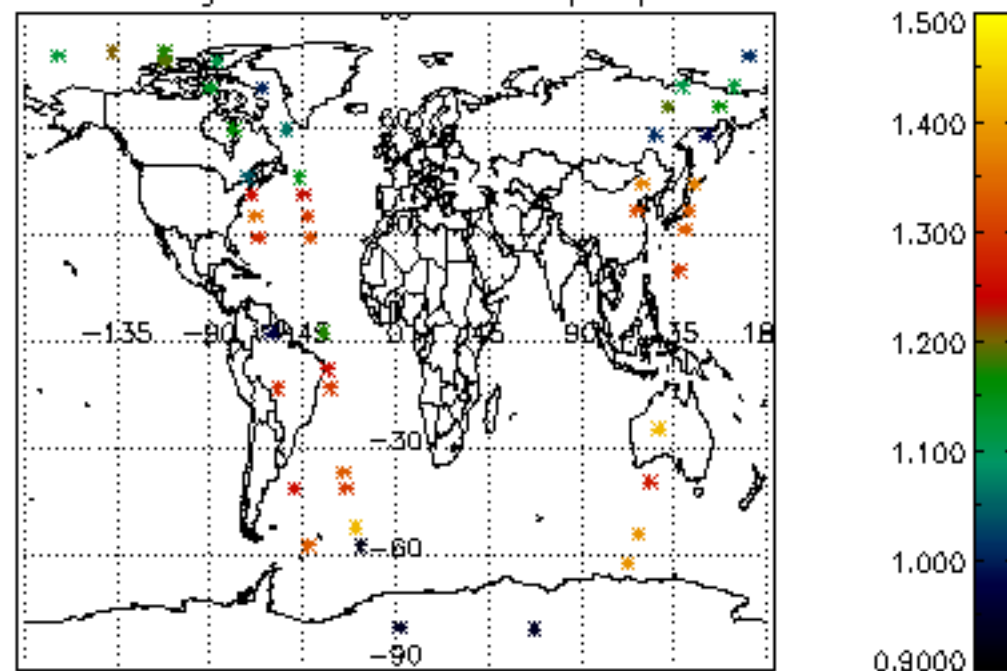




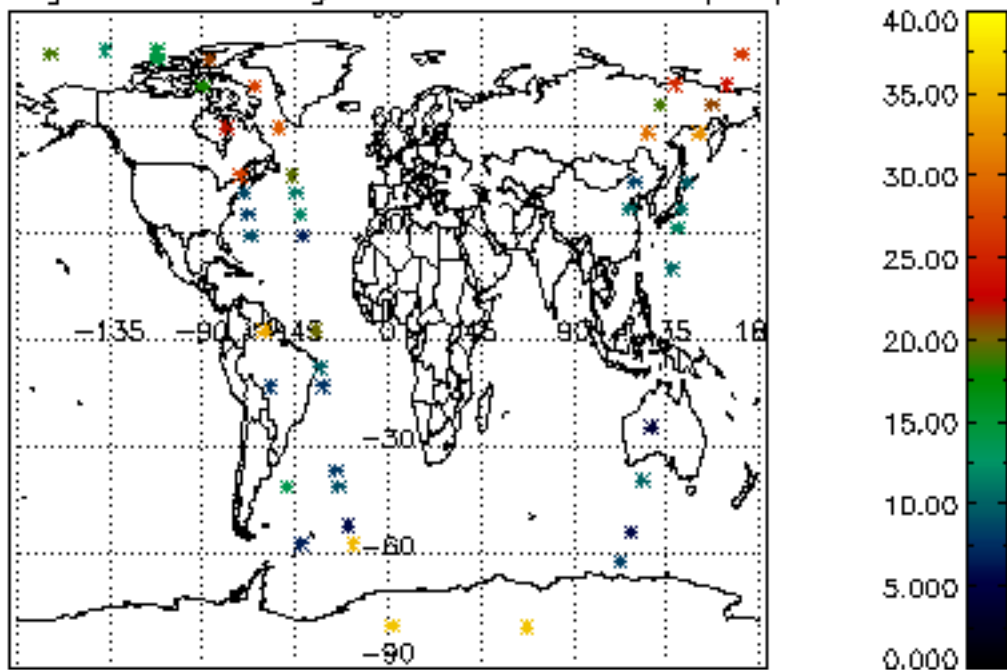
Percentage of cosmic ray hits per profile



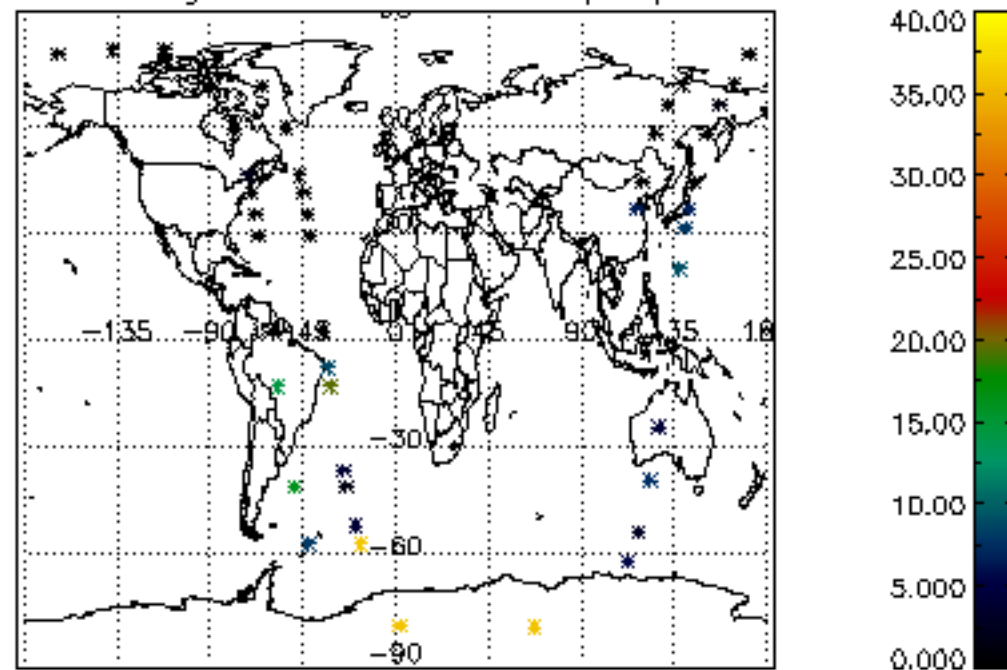
Percentage of datation errors per profile



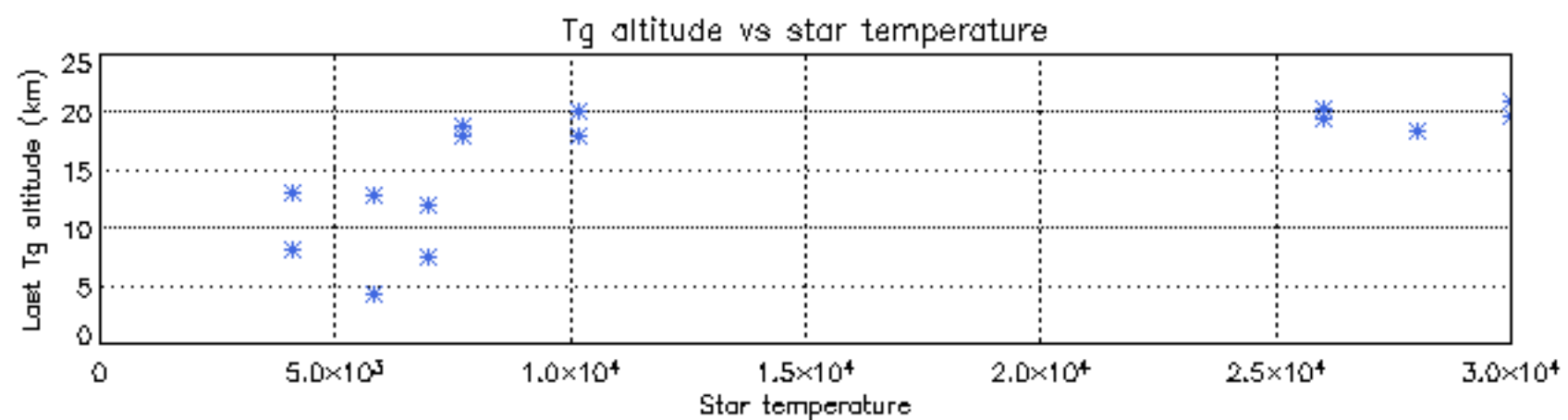
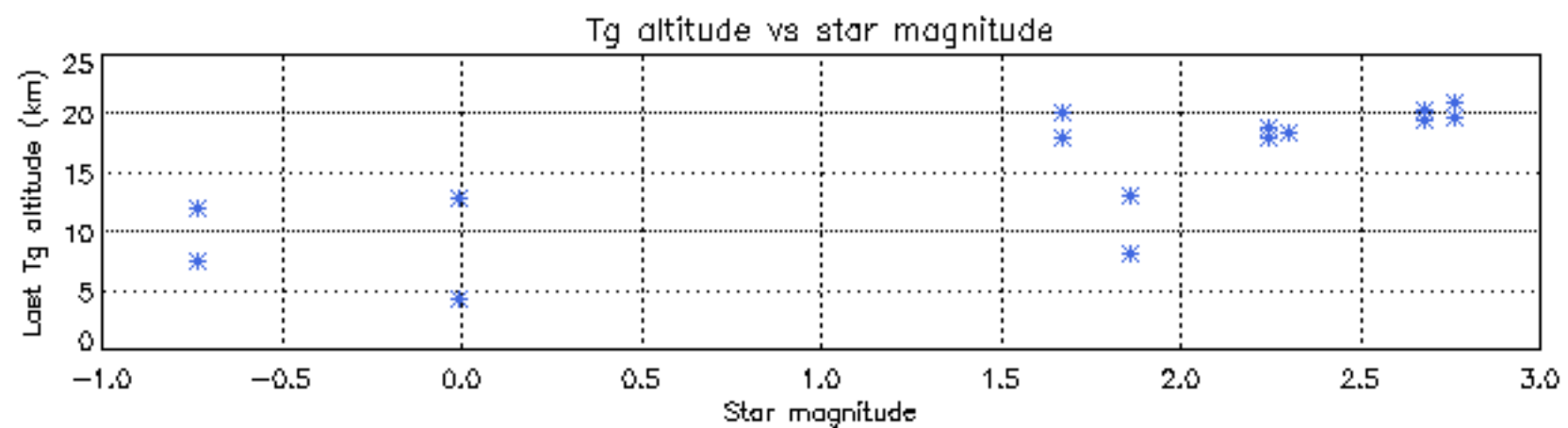
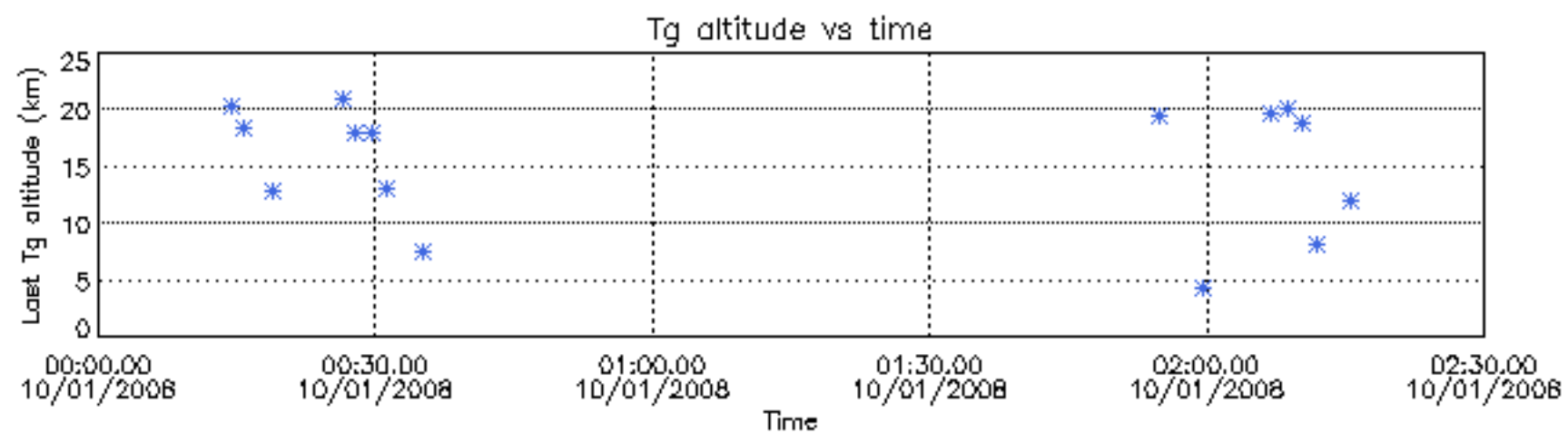
Percentage of star falling outside central band per profile



Percentage of saturation errors per profile

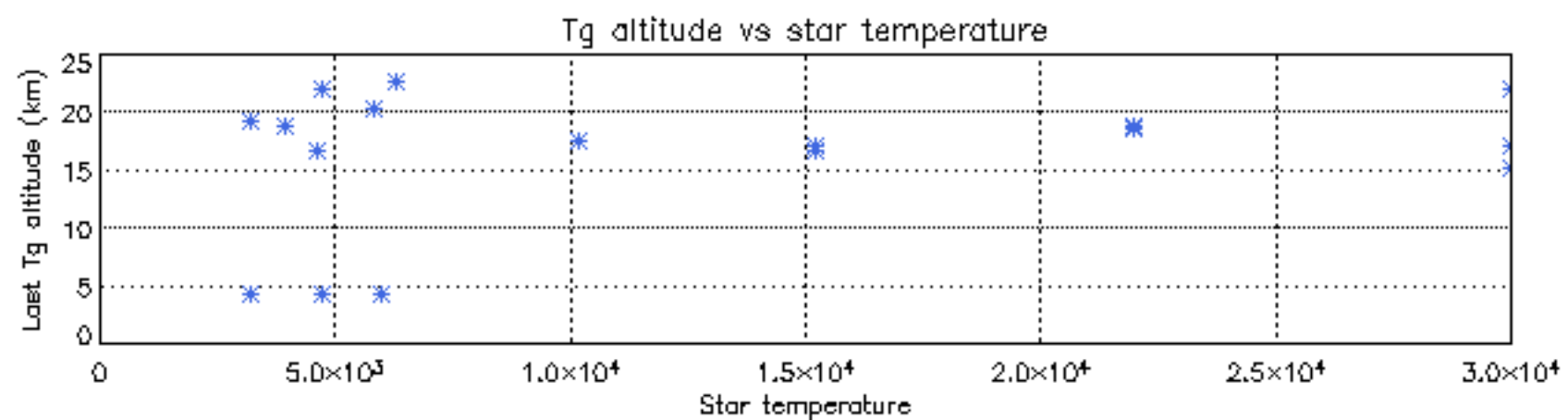
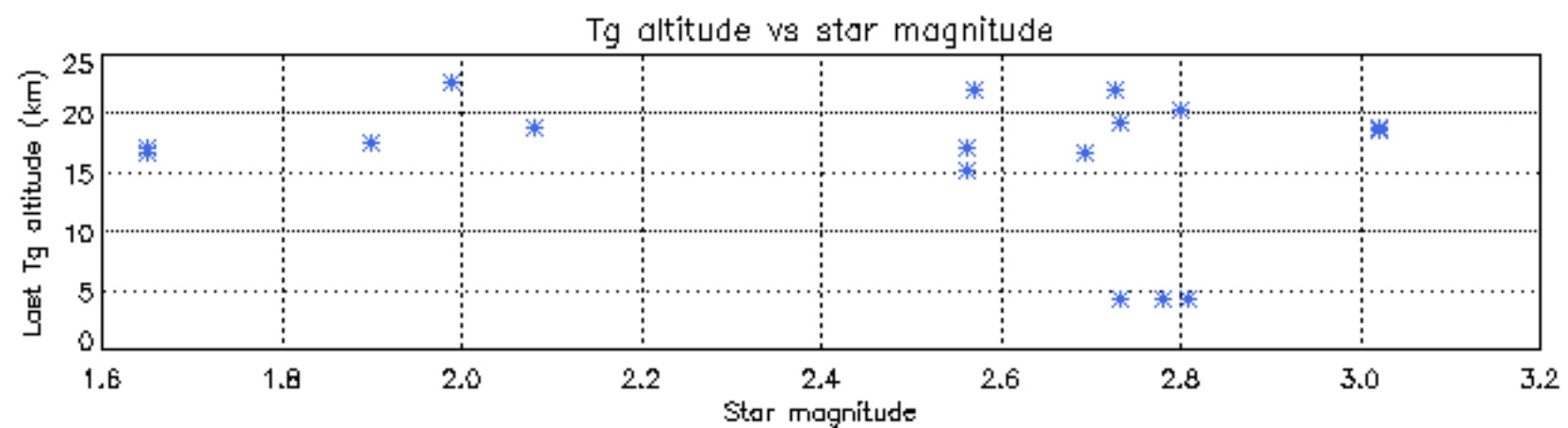
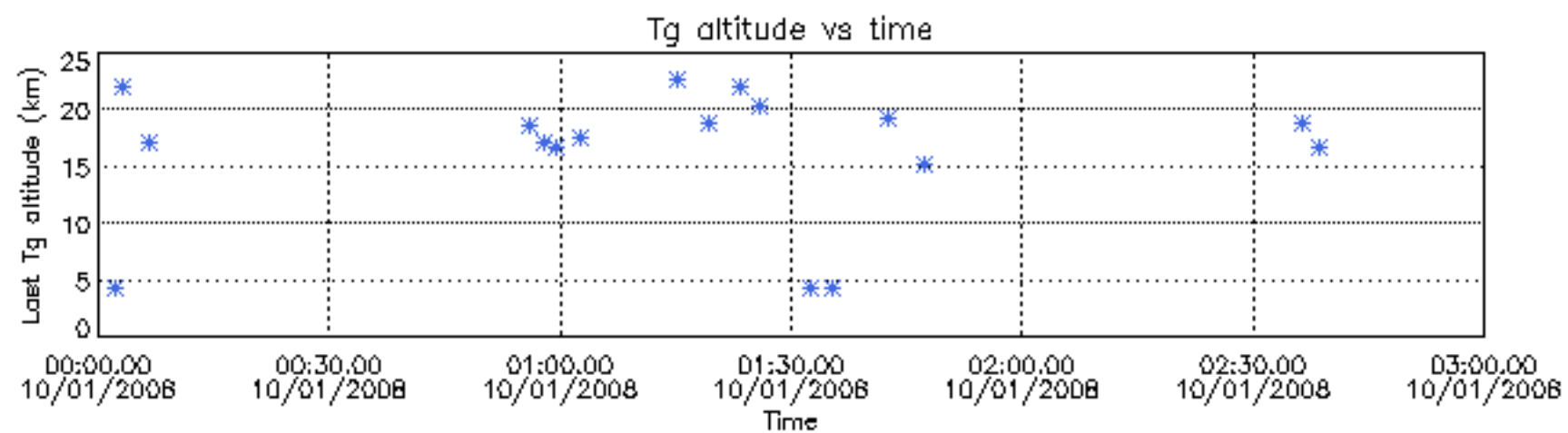


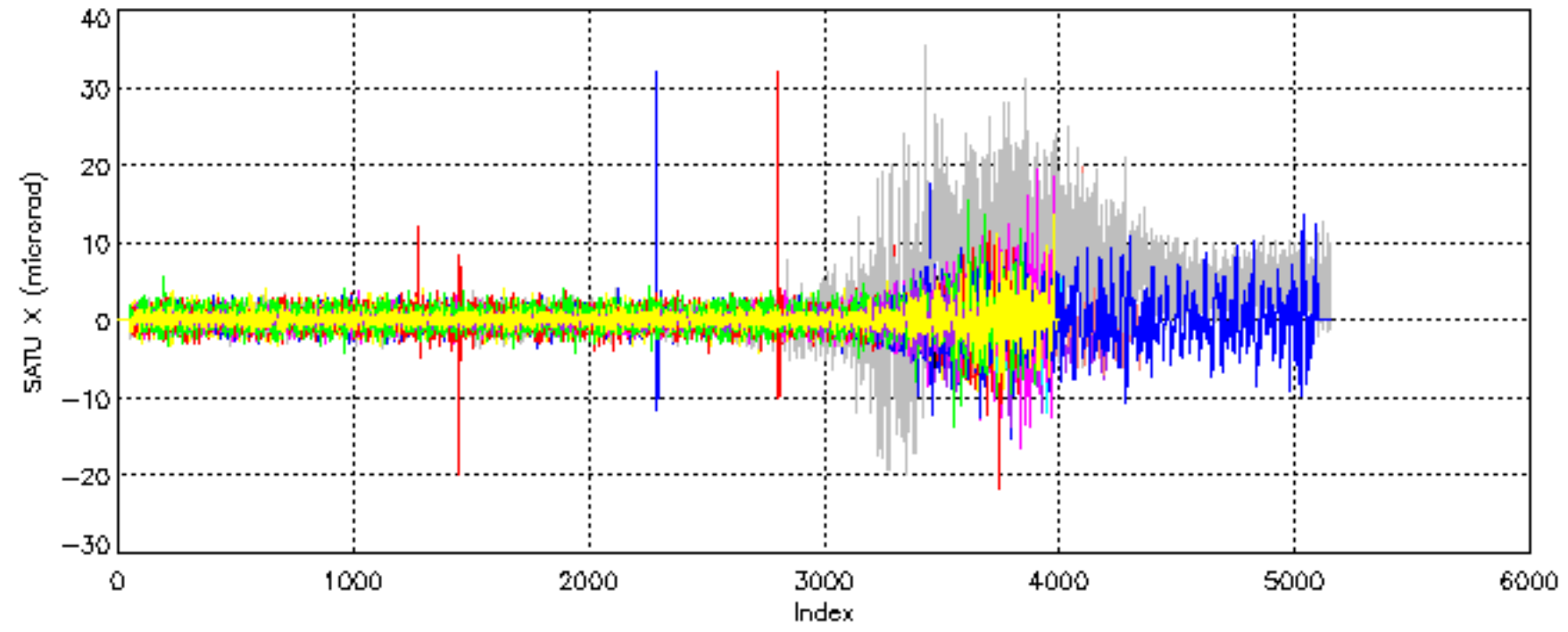
Tangent altitude at which the star is lost

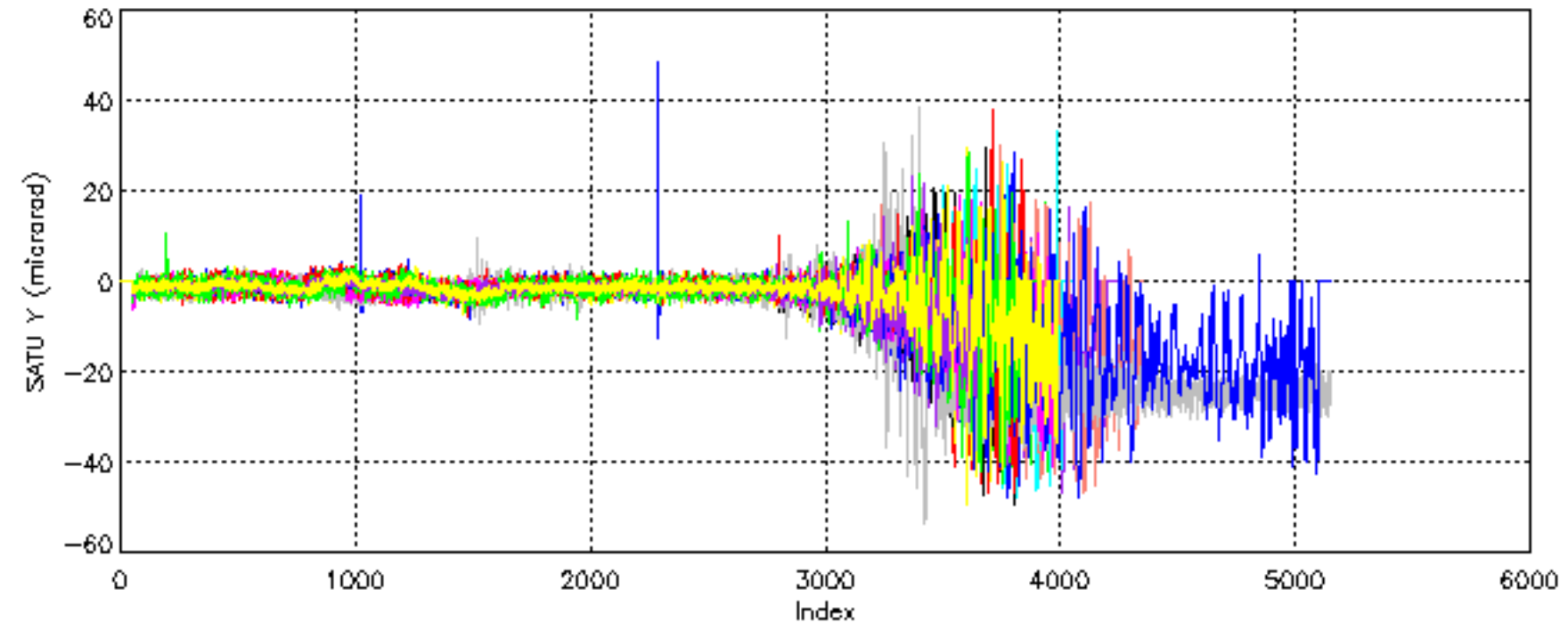




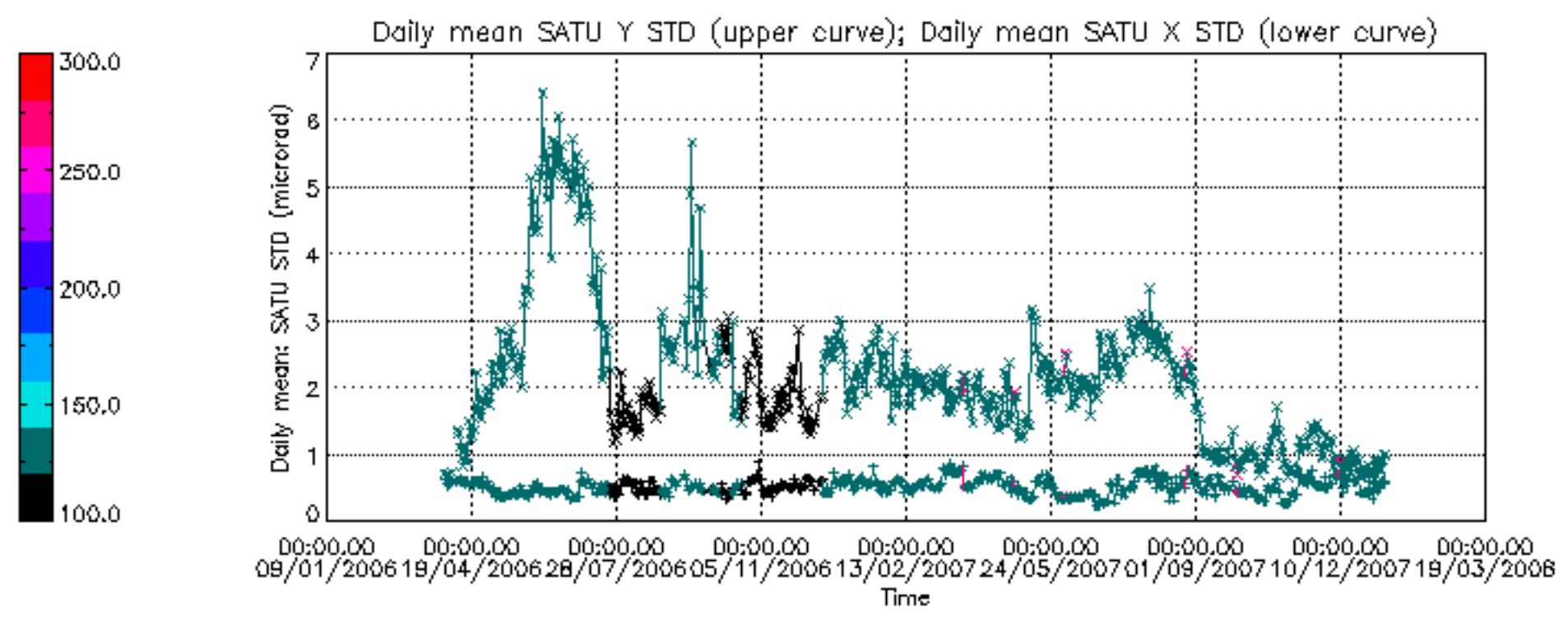
Tangent altitude at which the star is lost











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 4; 226.4; 01-JAN-2008 01:44:36; Dark ; 42.0; 12; Alp1Cru ; 0.77; 30000;occ; 84; 0;30518  
 5; 397.9; 01-JAN-2008 01:47:27; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;30518  
 6; 545.2; 01-JAN-2008 01:49:54; Dark ; 39.0; 29; Bet Car ; 1.67; 10200;occ; 78; 0;30518  
 7; 627.3; 01-JAN-2008 01:51:16; Dark ; 39.5; 71; Iot Car ; 2.25; 7700;occ; 79; 0;30518  
 8; 723.1; 01-JAN-2008 01:52:52; Dark ; 52.0; 41; Eps Car ; 1.86; 4100;occ; 104; 0;30518  
 9; 977.3; 01-JAN-2008 01:57:06; Dark ; 44.5; 2; Alp Car ; -0.74; 7000;occ; 89; 0;30518  
 10; 1319.6; 01-JAN-2008 02:02:49; Dark ; 40.0; 108; Alp Col ; 2.65; 15200;occ; 80; 0;30518  
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 12; 1769.0; 01-JAN-2008 02:10:18; Dark ; 46.5; 7; 19Bet Ori ; 0.10; 14000;occ; 93; 0;30518  
 13; 1881.1; 01-JAN-2008 02:12:10; Dark ; 41.5; 30; 46Eps Ori ; 1.69; 30000;occ; 83; 0;30518  
 14; 2033.3; 01-JAN-2008 02:14:42; Dark ; 55.0; 14; 58Alp Ori ; 0.87; 3000;occ; 110; 0;30518  
 15; 2200.2; 01-JAN-2008 02:17:29; Dark ; 49.0; 13; 87Alp Tau ; 0.87; 3800;occ; 98; 0;30518  
 16; 2398.1; 01-JAN-2008 02:20:47; Bright; 38.0; 28; 12Bet Tau ; 1.65; 15200;occ; 76; 0;30518  
 17; 2472.5; 01-JAN-2008 02:22:02; Bright; 37.0; 114; 3Iot Aur ; 2.69; 4600;occ; 74; 0;30518  
 18; 2611.4; 01-JAN-2008 02:24:20; Bright; 35.5; 149; 45Eps Per ; 2.89; 30000;occ; 71; 0;30518  
 19; 2693.4; 01-JAN-2008 02:25:42; Bright; 42.5; 6; 13Alp Aur ; 0.08; 3400;occ; 85; 0;30518  
 20; 3423.3; 01-JAN-2008 02:37:52; Bright; 36.0; 49; 1Alp UMi ; 1.99; 6300;occ; 72; 0;30518

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 9; -685.7; 01-JAN-2008 03:09:59; Dark ; 42.0; 122; 9Alp2Lib ; 2.75; 9700;occ; 84; 0;30518  
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 15; 398.2; 01-JAN-2008 03:28:03; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;30519  
 16; 545.7; 01-JAN-2008 03:30:31; Dark ; 38.5; 29; Bet Car ; 1.67; 10200;occ; 77; 0;30519  
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 23; 1881.4; 01-JAN-2008 03:52:46; Dark ; 41.0; 30; 46Eps Ori ; 1.69; 30000;occ; 82; 0;30519  
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 13; -105.9; 01-JAN-2008 05:00:15; Dark ; 40.0; 95; Zet Cen ; 2.55; 26000;occ; 80; 0;30519  
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24; 1881.5; 01-JAN-2008 05:33:23; Dark ; 39.0; 30; 46Eps Ori ; 1.69; 30000;occ; 78; 0;30520
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3;-1988.1; 01-JAN-2008 06:09:29; Bright; 35.0; 130; 23Bet Dra ; 2.80; 5800;occ; 70; 0;30520
4;-1614.5; 01-JAN-2008 06:15:42; Bright; 34.0; 133; 40Zet Her ; 2.81; 6000;occ; 68; 0;30520
5;-1490.7; 01-JAN-2008 06:17:46; Bright; 55.0; 67; 5Alp CrB ; 2.22; 11000;occ; 110; 0;30520
6;-1146.4; 01-JAN-2008 06:23:31; Bright; 35.0; 102; 24Alp Ser ; 2.60; 4250;occ; 70; 0;30520
7;-1006.9; 01-JAN-2008 06:25:50; Bright; 33.0; 120; 1Del Oph ; 2.73; 3200;occ; 66; 0;30520
8;-843.1; 01-JAN-2008 06:28:34; Bright; 38.5; 104; 27Bet Lib ; 2.61; 13100;occ; 77; 0;30520
9;-684.5; 01-JAN-2008 06:31:13; Dark ; 46.5; 122; 9Alp2Lib ; 2.75; 9700;occ; 93; 0;30520
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11; -281.6; 01-JAN-2008 06:37:55; Dark ; 39.0; 109; Bet Lup ; 2.68; 26000;occ; 78; 0;30520
12; -193.5; 01-JAN-2008 06:39:24; Dark ; 41.0; 78; Alp Lup ; 2.30; 28000;occ; 82; 0;30520
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17; 546.3; 01-JAN-2008 06:51:43; Dark ; 38.0; 29; Bet Car ; 1.67; 10200;occ; 76; 0;30521
18; 629.0; 01-JAN-2008 06:53:06; Dark ; 41.0; 71; Iot Car ; 2.25; 7700;occ; 82; 0;30521
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7; 2612.2; 01-JAN-2008 07:26:09; Bright; 35.0; 149; 45Eps Per ; 2.89; 30000;occ; 70; 0;30521
8; 2693.2; 01-JAN-2008 07:27:30; Bright; 41.5; 6; 13Alp Aur ; 0.08; 3400;occ; 83; 0;30521
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12; 4048.1; 01-JAN-2008 07:50:05; Bright; 35.0; 130; 23Bet Dra ; 2.80; 5800;occ; 70; 0;30521
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27; 6767.9; 02-JAN-2008 11:25:00; Dark ; 50.5; 41; Eps Car ; 1.86; 4100;occ; 101; 0;30537
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 27; 6768.4; 02-JAN-2008 13:05:36; Dark ; 41.0; 41; Eps Car ; 1.86; 4100;occ; 82; 0;30538  
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16; 4427.4; 03-JAN-2008 21:58:34; Bright; 33.0; 133; 40Zet Her ; 2.81; 6000;occ; 66; 0;30558
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 9; 3423.7; 03-JAN-2008 11:38:14; Bright; 34.0; 49; 1Alp UMi ; 1.99; 6300;occ; 68; 0;30552
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 8; 2691.0; 03-JAN-2008 13:06:38; Bright; 38.5; 6; 13Alp Aur ; 0.08; 3400;occ; 77; 0;30553
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16; 5208.2; 03-JAN-2008 13:48:35; Bright; 40.0; 104; 27Bet Lib ; 2.61; 13100;occ; 80; 0;30553
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 22; 5952.8; 03-JAN-2008 17:22:11; Dark ; 39.0; 95; Zet Cen ; 2.55; 26000;occ; 78; 0;30555  
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27; 3923.8; 04-JAN-2008 22:59:09; Bright; 35.0; 119; 14Eta Dra ; 2.73; 4700;occ; 70; 0;30573
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16; 5040.4; 04-JAN-2008 09:52:58; Bright; 35.0; 120; 1Del Oph ; 2.73; 3200;occ; 70; 0;30565  
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25; 6447.8; 04-JAN-2008 10:16:26; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;30565  
26; 6598.4; 04-JAN-2008 10:18:56; Dark ; 39.0; 29; Bet Car ; 1.67; 10200;occ; 78; 0;30565  
27; 6688.9; 04-JAN-2008 10:20:27; Dark ; 40.5; 71; Iot Car ; 2.25; 7700;occ; 81; 0;30565  
28; 6780.1; 04-JAN-2008 10:21:58; Dark ; 51.0; 41; Eps Car ; 1.86; 4100;occ; 102; 0;30565  
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16; 4904.3; 04-JAN-2008 13:11:54; Bright; 55.0; 102; 24Alp Ser ; 2.60; 4250;occ; 110; 0;30567
17; 5041.0; 04-JAN-2008 13:14:11; Bright; 34.5; 120; 1Del Oph ; 2.73; 3200;occ; 69; 0;30567
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6; -75.4; 04-JAN-2008 13:29:30; Dark ; 40.0; 95; Zet Cen ; 2.55; 26000;occ; 80; 0;30567
7; 13.9; 04-JAN-2008 13:30:59; Dark ; 46.0; 4; Alp1Cen ; -0.01; 5800;occ; 92; 0;30568
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9; 412.5; 04-JAN-2008 13:37:38; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;30568
10; 563.3; 04-JAN-2008 13:40:09; Dark ; 38.5; 29; Bet Car ; 1.67; 10200;occ; 77; 0;30568
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13; 990.3; 04-JAN-2008 13:47:16; Dark ; 46.5; 2; Alp Car ; -0.74; 7000;occ; 93; 0;30568
14; 1188.4; 04-JAN-2008 13:50:34; Dark ; 47.0; 117; Pi Pup ; 2.71; 3800;occ; 94; 0;30568
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23; 1355.3; 05-JAN-2008 06:39:20; Dark ; 45.0; 23; 21Eps CMA ; 1.50; 26000;occ; 90; 0;30578
24; 1577.3; 05-JAN-2008 06:43:02; Dark ; 43.5; 47; 2Bet CMA ; 1.98; 28000;occ; 87; 0;30578
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26; 1885.7; 05-JAN-2008 06:48:11; Dark ; 42.0; 30; 46Eps Ori ; 1.69; 30000;occ; 84; 0;30578
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28; 2268.3; 05-JAN-2008 06:54:33; Bright; 36.5; 176; 23Zet Tau ; 3.02; 22000;occ; 73; 0;30578
29; 2395.2; 05-JAN-2008 06:56:40; Bright; 36.5; 28; 12Bet Tau ; 1.65; 15200;occ; 73; 0;30578
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12; 2689.5; 05-JAN-2008 20:26:22; Bright; 38.0; 6; 13Alp Aur ; 0.08; 3400;occ; 76; 0;30586

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 22; 2476.2; 05-JAN-2008 22:03:25; Bright; 37.0; 114; 3Iot Aur ; 2.69; 4600;occ; 74; 0;30587  
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 27; 3924.2; 05-JAN-2008 22:27:33; Bright; 36.0; 119; 14Eta Dra ; 2.73; 4700;occ; 72; 0;30587  
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 5; 750.0; 05-JAN-2008 09:50:27; Dark ; 48.0; 41; Eps Car ; 1.86; 4100;occ; 96; 0;30580  
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 7; 1192.4; 05-JAN-2008 09:57:49; Dark ; 45.5; 117; Pi Pup ; 2.71; 3800;occ; 91; 0;30580  
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 3; -1604.7; 05-JAN-2008 12:32:24; Bright; 34.5; 133; 40Zet Her ; 2.81; 6000;occ; 69; 0;30581  
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 5; -1126.9; 05-JAN-2008 12:40:22; Bright; 55.0; 102; 24Alp Ser ; 2.60; 4250;occ; 110; 0;30581  
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 4; -253.7; 05-JAN-2008 12:54:55; Dark ; 38.5; 109; Bet Lup ; 2.68; 26000;occ; 77; 0;30581  
 5; -164.3; 05-JAN-2008 12:56:24; Dark ; 38.0; 78; Alp Lup ; 2.30; 28000;occ; 76; 0;30581  
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 7; 2475.9; 05-JAN-2008 13:40:25; Bright; 36.0; 114; 3Iot Aur ; 2.69; 4600;occ; 72; 0;30582
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 27; 6793.5; 06-JAN-2008 16:01:21; Dark ; 51.5; 41; Eps Car ; 1.86; 4100;occ; 103; 0;30597  
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 7; 2395.1; 06-JAN-2008 16:28:39; Bright; 37.0; 28; 12Bet Tau ; 1.65; 15200;occ; 74; 0;30598  
 8; 2477.3; 06-JAN-2008 16:30:01; Bright; 37.0; 114; 3Iot Aur ; 2.69; 4600;occ; 74; 0;30598  
 9; 2689.5; 06-JAN-2008 16:33:33; Bright; 37.0; 6; 13Alp Aur ; 0.08; 3400;occ; 74; 0;30598  
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 11; 3682.9; 06-JAN-2008 16:50:06; Bright; 40.0; 60; 7Bet UMi ; 2.08; 3950;occ; 80; 0;30598  
 12; 3924.5; 06-JAN-2008 16:54:08; Bright; 37.5; 119; 14Eta Dra ; 2.73; 4700;occ; 75; 0;30598  
 13; 4060.9; 06-JAN-2008 16:56:24; Bright; 36.5; 130; 23Bet Dra ; 2.80; 5800;occ; 73; 0;30598  
 14; 4433.9; 06-JAN-2008 17:02:37; Bright; 35.0; 133; 40Zet Her ; 2.81; 6000;occ; 70; 0;30598  
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 19; 5702.5; 06-JAN-2008 17:23:46; Dark ; 37.0; 131; Gam Lup ; 2.80; 26000;occ; 74; 0;30598  
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 22; 6060.7; 06-JAN-2008 17:29:44; Dark ; 53.0; 4; Alp1Cen ; -0.01; 5800;occ; 106; 0;30598  
 23; 6304.6; 06-JAN-2008 17:33:48; Dark ; 49.5; 12; Alp1Cru ; 0.77; 30000;occ; 99; 0;30598  
 24; 6457.5; 06-JAN-2008 17:36:21; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;30598  
 25; 6610.0; 06-JAN-2008 17:38:54; Dark ; 39.0; 29; Bet Car ; 1.67; 10200;occ; 78; 0;30598  
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 3; 1360.4; 06-JAN-2008 17:52:00; Dark ; 42.5; 23; 21Eps CMA ; 1.50; 26000;occ; 85; 0;30599  
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 6; 1887.6; 06-JAN-2008 18:00:47; Dark ; 39.5; 30; 46Eps Ori ; 1.69; 30000;occ; 79; 0;30599  
 7; 2031.3; 06-JAN-2008 18:03:11; Dark ; 53.0; 14; 58Alp Ori ; 0.87; 3000;occ; 106; 0;30599  
 8; 2267.8; 06-JAN-2008 18:07:07; Bright; 36.5; 176; 23Zet Tau ; 3.02; 22000;occ; 73; 0;30599  
 9; 2395.1; 06-JAN-2008 18:09:15; Bright; 38.5; 28; 12Bet Tau ; 1.65; 15200;occ; 77; 0;30599  
 10; 2477.4; 06-JAN-2008 18:10:37; Bright; 37.5; 114; 3Iot Aur ; 2.69; 4600;occ; 75; 0;30599  
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 12; 3424.0; 06-JAN-2008 18:26:24; Bright; 36.0; 49; 1Alp UMi ; 1.99; 6300;occ; 72; 0;30599  
 13; 3682.7; 06-JAN-2008 18:30:42; Bright; 39.0; 60; 7Bet UMi ; 2.08; 3950;occ; 78; 0;30599  
 14; 3924.5; 06-JAN-2008 18:34:44; Bright; 34.5; 119; 14Eta Dra ; 2.73; 4700;occ; 69; 0;30599  
 15; 4060.9; 06-JAN-2008 18:37:00; Bright; 35.0; 130; 23Bet Dra ; 2.80; 5800;occ; 70; 0;30599  
 16; 4434.0; 06-JAN-2008 18:43:14; Bright; 34.5; 133; 40Zet Her ; 2.81; 6000;occ; 69; 0;30599  
 17; 4612.4; 06-JAN-2008 18:46:12; Bright; 52.0; 127; 27Bet Her ; 2.78; 4700;occ; 104; 0;30599  
 18; 4915.2; 06-JAN-2008 18:51:15; Bright; 38.5; 102; 24Alp Ser ; 2.60; 4250;occ; 77; 0;30599  
 19; 5050.2; 06-JAN-2008 18:53:30; Bright; 53.0; 120; 1Del Oph ; 2.73; 3200;occ; 106; 0;30599  
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 21; 5702.9; 06-JAN-2008 19:04:22; Dark ; 38.5; 131; Gam Lup ; 2.80; 26000;occ; 77; 0;30599  
 22; 5791.4; 06-JAN-2008 19:05:51; Dark ; 38.5; 109; Bet Lup ; 2.68; 26000;occ; 77; 0;30599  
 23; 5881.1; 06-JAN-2008 19:07:21; Dark ; 38.5; 78; Alp Lup ; 2.30; 28000;occ; 77; 0;30599  
 24; 6061.1; 06-JAN-2008 19:10:21; Dark ; 45.0; 4; Alp1Cen ; -0.01; 5800;occ; 90; 0;30599  
 25; 6305.1; 06-JAN-2008 19:14:25; Dark ; 40.5; 12; Alp1Cru ; 0.77; 30000;occ; 81; 0;30599  
 26; 6457.7; 06-JAN-2008 19:16:57; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;30599  
 27; 6610.3; 06-JAN-2008 19:19:30; Dark ; 39.0; 29; Bet Car ; 1.67; 10200;occ; 78; 0;30599  
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4; 1580.4; 06-JAN-2008 19:36:16; Dark ; 40.5; 47; 2Bet CMa ; 1.98; 28000;occ; 81; 0;30600
5; 1780.9; 06-JAN-2008 19:39:36; Dark ; 50.0; 7; 19Bet Ori ; 0.10; 14000;occ; 100; 0;30600
6; 1887.7; 06-JAN-2008 19:41:23; Dark ; 38.0; 30; 46Eps Ori ; 1.69; 30000;occ; 76; 0;30600
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9; 2395.0; 06-JAN-2008 19:49:51; Bright; 37.5; 28; 12Bet Tau ; 1.65; 15200;occ; 75; 0;30600
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11; 2689.4; 06-JAN-2008 19:54:45; Bright; 39.5; 6; 13Alp Aur ; 0.08; 3400;occ; 79; 0;30600
12; 3424.0; 06-JAN-2008 20:07:00; Bright; 35.0; 49; 1Alp UMi ; 1.99; 6300;occ; 70; 0;30600
13; 3682.6; 06-JAN-2008 20:11:18; Bright; 36.0; 60; 7Bet UMi ; 2.08; 3950;occ; 72; 0;30600
14; 3924.4; 06-JAN-2008 20:15:20; Bright; 35.5; 119; 14Eta Dra ; 2.73; 4700;occ; 71; 0;30600
15; 4061.1; 06-JAN-2008 20:17:37; Bright; 35.0; 130; 23Bet Dra ; 2.80; 5800;occ; 70; 0;30600
16; 4434.1; 06-JAN-2008 20:23:50; Bright; 34.0; 133; 40Zet Her ; 2.81; 6000;occ; 68; 0;30600
17; 4612.7; 06-JAN-2008 20:26:48; Bright; 34.0; 127; 27Bet Her ; 2.78; 4700;occ; 68; 0;30600
18; 4915.5; 06-JAN-2008 20:31:51; Bright; 56.0; 102; 24Alp Ser ; 2.60; 4250;occ; 112; 0;30600
19; 5050.4; 06-JAN-2008 20:34:06; Bright; 42.5; 120; 1Del Oph ; 2.73; 3200;occ; 85; 0;30600
20; 5377.3; 06-JAN-2008 20:39:33; Dark ; 42.0; 80; 7Del Sco ; 2.32; 30000;occ; 84; 0;30600
21; 5703.2; 06-JAN-2008 20:44:59; Dark ; 35.5; 131; Gam Lup ; 2.80; 26000;occ; 71; 0;30600
22; 5791.8; 06-JAN-2008 20:46:27; Dark ; 38.0; 109; Bet Lup ; 2.68; 26000;occ; 76; 0;30600
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24; 6305.6; 06-JAN-2008 20:55:01; Dark ; 41.0; 12; Alp1Cru ; 0.77; 30000;occ; 82; 0;30600
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3; -243.6; 06-JAN-2008 22:27:04; Dark ; 39.0; 109; Bet Lup ; 2.68; 26000;occ; 78; 0;30601
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5; 270.2; 06-JAN-2008 22:35:38; Dark ; 40.5; 12; Alp1Cru ; 0.77; 30000;occ; 81; 0;30602
6; 422.3; 06-JAN-2008 22:38:10; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;30602
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13; 1580.6; 06-JAN-2008 22:57:28; Dark ; 44.0; 47; 2Bet CMa ; 1.98; 28000;occ; 88; 0;30602
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15; 1887.8; 06-JAN-2008 23:02:35; Dark ; 40.5; 30; 46Eps Ori ; 1.69; 30000;occ; 81; 0;30602
16; 2031.3; 06-JAN-2008 23:04:59; Dark ; 53.0; 14; 58Alp Ori ; 0.87; 3000;occ; 106; 0;30602
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22; 3682.3; 06-JAN-2008 23:32:30; Bright; 33.5; 60; 7Bet UMi ; 2.08; 3950;occ; 67; 0;30602
23; 3924.3; 06-JAN-2008 23:36:32; Bright; 37.0; 119; 14Eta Dra ; 2.73; 4700;occ; 74; 0;30602
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27; 4916.2; 06-JAN-2008 23:53:04; Bright; 38.0; 102; 24Alp Ser ; 2.60; 4250;occ; 76; 0;30602
28; 5051.0; 06-JAN-2008 23:55:18; Bright; 35.0; 120; 1Del Oph ; 2.73; 3200;occ; 70; 0;30602
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12; 1199.7; 07-JAN-2008 00:31:43; Dark ; 45.5; 117; Pi Pup ; 2.71; 3800;occ; 91; 0;30603
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25; 4061.5; 07-JAN-2008 01:19:25; Bright; 52.0; 130; 23Bet Dra ; 2.80; 5800;occ; 104; 0;30603
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27; 4613.2; 07-JAN-2008 01:28:36; Bright; 52.0; 127; 27Bet Her ; 2.78; 4700;occ; 104; 0;30603
28; 4916.6; 07-JAN-2008 01:33:40; Bright; 37.0; 102; 24Alp Ser ; 2.60; 4250;occ; 74; 0;30603
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25; 6797.4; 07-JAN-2008 08:47:24; Dark ; 51.5; 41; Eps Car ; 1.86; 4100;occ; 103; 0;30607
26; 7035.7; 07-JAN-2008 08:51:23; Dark ; 45.0; 2; Alp Car ; -0.74; 7000;occ; 90; 0;30607
27; 7237.5; 07-JAN-2008 08:54:45; Dark ; 46.5; 117; Pi Pup ; 2.71; 3800;occ; 93; 0;30607
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8; 3424.1; 07-JAN-2008 09:31:47; Bright; 35.0; 49; 1Alp UMi ; 1.99; 6300;occ; 70; 0;30608  
9; 3681.6; 07-JAN-2008 09:36:05; Bright; 38.0; 60; 7Bet UMi ; 2.08; 3950;occ; 76; 0;30608  
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12; 4435.4; 07-JAN-2008 09:48:38; Bright; 49.5; 133; 40Zet Her ; 2.81; 6000;occ; 99; 0;30608  
13; 4614.3; 07-JAN-2008 09:51:37; Bright; 34.5; 127; 27Bet Her ; 2.78; 4700;occ; 69; 0;30608  
14; 4918.5; 07-JAN-2008 09:56:41; Bright; 38.5; 102; 24Alp Ser ; 2.60; 4250;occ; 77; 0;30608  
15; 5053.0; 07-JAN-2008 09:58:56; Bright; 34.0; 120; 1Del Oph ; 2.73; 3200;occ; 68; 0;30608  
16; 5380.2; 07-JAN-2008 10:04:23; Dark ; 40.0; 80; 7Del Sco ; 2.32; 30000;occ; 80; 0;30608  
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19; 5885.8; 07-JAN-2008 10:12:49; Dark ; 38.0; 78; Alp Lup ; 2.30; 28000;occ; 76; 0;30608  
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25; 6797.8; 07-JAN-2008 10:28:01; Dark ; 51.0; 41; Eps Car ; 1.86; 4100;occ; 102; 0;30608  
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28; 7398.8; 07-JAN-2008 10:38:02; Dark ; 44.5; 23; 21Eps CMa ; 1.50; 26000;occ; 89; 0;30608  
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9; 3681.4; 07-JAN-2008 11:16:40; Bright; 40.0; 60; 7Bet UMi ; 2.08; 3950;occ; 80; 0;30609  
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13; 4435.7; 07-JAN-2008 13:09:50; Bright; 33.5; 133; 40Zet Her ; 2.81; 6000;occ; 67; 0;30610

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21; 6065.0; 07-JAN-2008 13:37:00; Dark ; 44.0; 4; Alp1Cen ;-0.01; 5800;occ; 88; 0;30610
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12; 4062.8; 07-JAN-2008 14:44:13; Bright; 43.0; 130; 23Bet Dra ; 2.80; 5800;occ; 86; 0;30611
13; 4436.0; 07-JAN-2008 14:50:27; Bright; 34.5; 133; 40Zet Her ; 2.81; 6000;occ; 69; 0;30611
14; 4615.0; 07-JAN-2008 14:53:26; Bright; 41.5; 127; 27Bet Her ; 2.78; 4700;occ; 83; 0;30611
15; 4919.7; 07-JAN-2008 14:58:30; Bright; 37.5; 102; 24Alp Ser ; 2.60; 4250;occ; 75; 0;30611
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17; 5381.4; 07-JAN-2008 15:06:12; Dark ; 40.0; 80; 7Del Sco ; 2.32; 30000;occ; 80; 0;30611
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12; 3924.6; 07-JAN-2008 16:22:31; Bright; 37.5; 119; 14Eta Dra ; 2.73; 4700;occ; 75; 0;30612
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19; 2268.3; 09-JAN-2008 03:07:29; Bright; 36.5; 176; 23Zet Tau ; 3.02; 22000;occ; 73; 0;30633  
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17;	5425.1;	11-JAN-2008	07:58:40;	Dark	;	46.5;	16;	21Alp Sco	;	1.02;	3000;occ;	93;	0;	30664
18;	5730.2;	11-JAN-2008	08:03:45;	Dark	;	40.0;	131;	Gam Lup	;	2.80;	26000;occ;	80;	0;	30664
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21;	6028.8;	11-JAN-2008	08:08:44;	Dark	;	31.0;	95;	Zet Cen	;	2.55;	26000;occ;	62;	0;	30664
22;	6085.9;	11-JAN-2008	08:09:41;	Dark	;	43.0;	4;	Alp1Cen	;	-0.01;	5800;occ;	86;	0;	30664
23;	6297.6;	11-JAN-2008	08:13:13;	Dark	;	59.5;	0;		;	0.00;	0;occ;	119;	0;	30664
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25;	6632.4;	11-JAN-2008	08:18:47;	Dark	;	37.5;	29;	Bet Car	;	1.67;	10200;occ;	75;	0;	30664
26;	6738.3;	11-JAN-2008	08:20:33;	Dark	;	38.5;	71;	Iot Car	;	2.25;	7700;occ;	77;	0;	30664
27;	6819.8;	11-JAN-2008	08:21:55;	Dark	;	46.5;	41;	Eps Car	;	1.86;	4100;occ;	93;	0;	30664
28;	7047.9;	11-JAN-2008	08:25:43;	Dark	;	49.5;	2;	Alp Car	;	-0.74;	7000;occ;	99;	0;	30664
29;	7254.8;	11-JAN-2008	08:29:10;	Dark	;	42.5;	117;	Pi Pup	;	2.71;	3800;occ;	85;	0;	30664
30;	7411.9;	11-JAN-2008	08:31:47;	Dark	;	43.5;	23;	21Eps CMa	;	1.50;	26000;occ;	87;	0;	30664
31;	7498.9;	11-JAN-2008	08:33:14;	Dark	;	39.0;	179;	240mi2CMa	;	3.03;	24000;occ;	78;	0;	30664
32;	7635.8;	11-JAN-2008	08:35:31;	Dark	;	47.5;	1;	9Alp CMa	;	-1.44;	11000;occ;	95;	0;	30664
33;	7784.2;	11-JAN-2008	08:37:59;	Dark	;	5.5;	56;	53Kap Ori	;	2.07;	30000;occ;	11;	0;	30664

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2;	1895.6;	11-JAN-2008	08:40:27;	Dark	;	41.5;	30;	46Eps Ori	;	1.69;	30000;occ;	83;	0;	30665
3;	2033.6;	11-JAN-2008	08:42:45;	Dark	;	52.0;	14;	58Alp Ori	;	0.87;	3000;occ;	104;	0;	30665
4;	2269.9;	11-JAN-2008	08:46:41;	Bright;		35.0;	176;	23Zet Tau	;	3.02;	22000;occ;	70;	0;	30665
5;	2397.8;	11-JAN-2008	08:48:49;	Bright;		37.0;	28;	12Bet Tau	;	1.65;	15200;occ;	74;	0;	30665
6;	2486.7;	11-JAN-2008	08:50:18;	Bright;		37.0;	114;	3Iot Aur	;	2.69;	4600;occ;	74;	0;	30665
7;	2676.3;	11-JAN-2008	08:53:27;	Bright;		37.0;	42;	34Bet Aur	;	1.90;	10200;occ;	74;	0;	30665
8;	3424.7;	11-JAN-2008	09:05:56;	Bright;		32.0;	49;	1Alp UMi	;	1.99;	6300;occ;	64;	0;	30665
9;	3673.8;	11-JAN-2008	09:10:05;	Bright;		39.5;	60;	7Bet UMi	;	2.08;	3950;occ;	79;	0;	30665
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11;	4069.9;	11-JAN-2008	09:16:41;	Bright;		34.0;	130;	23Bet Dra	;	2.80;	5800;occ;	68;	0;	30665
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13;	4625.8;	11-JAN-2008	09:25:57;	Bright;		54.0;	127;	27Bet Her	;	2.78;	4700;occ;	108;	0;	30665
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15;	5158.8;	11-JAN-2008	09:34:50;	Bright;		39.5;	98;	13Zet Oph	;	2.57;	30000;occ;	79;	0;	30665
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19;	5827.4;	11-JAN-2008	09:45:58;	Dark	;	39.5;	109;	Bet Lup	;	2.68;	26000;occ;	79;	0;	30665
20;	5917.8;	11-JAN-2008	09:47:29;	Dark	;	39.5;	78;	Alp Lup	;	2.30;	28000;occ;	79;	0;	30665
21;	6029.6;	11-JAN-2008	09:49:21;	Dark	;	31.0;	95;	Zet Cen	;	2.55;	26000;occ;	62;	0;	30665
22;	6086.2;	11-JAN-2008	09:50:17;	Dark	;	40.0;	4;	Alp1Cen	;	-0.01;	5800;occ;	80;	0;	30665
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24;	6539.3;	11-JAN-2008	09:57:50;	Dark	;	39.0;	124;	The Car	;	2.76;	30000;occ;	78;	0;	30665
25;	6632.6;	11-JAN-2008	09:59:24;	Dark	;	35.5;	29;	Bet Car	;	1.67;	10200;occ;	71;	0;	30665
26;	6738.7;	11-JAN-2008	10:01:10;	Dark	;	39.0;	71;	Iot Car	;	2.25;	7700;occ;	78;	0;	30665
27;	6820.2;	11-JAN-2008	10:02:31;	Dark	;	46.0;	41;	Eps Car	;	1.86;	4100;occ;	92;	0;	30665
28;	7048.0;	11-JAN-2008	10:06:19;	Dark	;	51.0;	2;	Alp Car	;	-0.74;	7000;occ;	102;	0;	30665
29;	7255.0;	11-JAN-2008	10:09:46;	Dark	;	44.0;	117;	Pi Pup	;	2.71;	3800;occ;	88;	0;	30665
30;	7412.1;	11-JAN-2008	10:12:23;	Dark	;	43.0;	23;	21Eps CMa	;	1.50;	26000;occ;	86;	0;	30665
31;	7499.1;	11-JAN-2008	10:13:50;	Dark	;	41.0;	179;	240mi2CMa	;	3.03;	24000;occ;	82;	0;	30665
32;	7635.9;	11-JAN-2008	10:16:07;	Dark	;	46.5;	1;	9Alp CMa	;	-1.44;	11000;occ;	93;	0;	30665

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6; 2486.8; 11-JAN-2008 10:30:54; Bright; 36.5; 114; 3Iot Aur ; 2.69; 4600;occ; 73; 0;30666
7; 2676.3; 11-JAN-2008 10:34:03; Bright; 36.0; 42; 34Bet Aur ; 1.90; 10200;occ; 72; 0;30666
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28; 7048.2; 11-JAN-2008 11:46:55; Dark ; 43.0; 2; Alp Car ; -0.74; 7000;occ; 86; 0;30666
29; 7255.2; 11-JAN-2008 11:50:22; Dark ; 46.5; 117; Pi Pup ; 2.71; 3800;occ; 93; 0;30666
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28; 6739.7; 11-JAN-2008 13:22:22; Dark ; 39.5; 71; Iot Car ; 2.25; 7700;occ; 79; 0;30667
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31; 7255.6; 11-JAN-2008 13:30:58; Dark ; 44.5; 117; Pi Pup ; 2.71; 3800;occ; 89; 0;30667
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2; 1463.7; 11-JAN-2008 15:15:38; Dark ; 41.5; 179; 240mi2Cma ; 3.03; 24000;occ; 83; 0;30669  
3; 1600.4; 11-JAN-2008 15:17:55; Dark ; 48.5; 1; 9Alp Cma ;-1.44; 11000;occ; 97; 0;30669  
4; 1748.7; 11-JAN-2008 15:20:23; Dark ; 39.0; 56; 53Kap Ori ; 2.07; 30000;occ; 78; 0;30669  
5; 1896.0; 11-JAN-2008 15:22:50; Dark ; 40.5; 30; 46Eps Ori ; 1.69; 30000;occ; 81; 0;30669  
6; 2033.8; 11-JAN-2008 15:25:08; Dark ; 51.0; 14; 58Alp Ori ; 0.87; 3000;occ; 102; 0;30669  
7; 2270.1; 11-JAN-2008 15:29:05; Bright; 36.5; 176; 23Zet Tau ; 3.02; 22000;occ; 73; 0;30669  
8; 2398.2; 11-JAN-2008 15:31:13; Bright; 36.5; 28; 12Bet Tau ; 1.65; 15200;occ; 73; 0;30669  
9; 2487.3; 11-JAN-2008 15:32:42; Bright; 37.0; 114; 3Iot Aur ; 2.69; 4600;occ; 74; 0;30669  
10; 2676.0; 11-JAN-2008 15:35:50; Bright; 36.5; 42; 34Bet Aur ; 1.90; 10200;occ; 73; 0;30669  
11; 3424.8; 11-JAN-2008 15:48:19; Bright; 35.5; 49; 1Alp UMi ; 1.99; 6300;occ; 71; 0;30669  
12; 3673.2; 11-JAN-2008 15:52:28; Bright; 38.5; 60; 7Bet UMi ; 2.08; 3950;occ; 77; 0;30669  
13; 3924.3; 11-JAN-2008 15:56:39; Bright; 37.5; 119; 14Eta Dra ; 2.73; 4700;occ; 75; 0;30669  
14; 4070.3; 11-JAN-2008 15:59:05; Bright; 35.0; 130; 23Bet Dra ; 2.80; 5800;occ; 70; 0;30669  
15; 4444.7; 11-JAN-2008 16:05:19; Bright; 35.5; 133; 40Zet Her ; 2.81; 6000;occ; 71; 0;30669  
16; 4626.8; 11-JAN-2008 16:08:21; Bright; 35.5; 127; 27Bet Her ; 2.78; 4700;occ; 71; 0;30669  
17; 5073.7; 11-JAN-2008 16:15:48; Bright; 37.5; 120; 1Del Oph ; 2.73; 3200;occ; 75; 0;30669  
18; 5160.0; 11-JAN-2008 16:17:14; Bright; 42.5; 98; 13Zet Oph ; 2.57; 30000;occ; 85; 0;30669  
19; 5426.7; 11-JAN-2008 16:21:41; Dark ; 45.5; 16; 21Alp Sco ; 1.02; 3000;occ; 91; 0;30669  
20; 5732.4; 11-JAN-2008 16:26:47; Dark ; 37.0; 131; Gam Lup ; 2.80; 26000;occ; 74; 0;30669  
21; 5829.7; 11-JAN-2008 16:28:24; Dark ; 39.5; 109; Bet Lup ; 2.68; 26000;occ; 79; 0;30669  
22; 5920.2; 11-JAN-2008 16:29:55; Dark ; 39.0; 78; Alp Lup ; 2.30; 28000;occ; 78; 0;30669  
23; 6087.9; 11-JAN-2008 16:32:42; Dark ; 50.5; 4; Alp1Cen ;-0.01; 5800;occ; 101; 0;30669  
24; 6299.0; 11-JAN-2008 16:36:13; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;30669  
25; 6541.3; 11-JAN-2008 16:40:16; Dark ; 38.0; 124; The Car ; 2.76; 30000;occ; 76; 0;30669  
26; 6634.0; 11-JAN-2008 16:41:48; Dark ; 38.5; 29; Bet Car ; 1.67; 10200;occ; 77; 0;30669  
27; 6740.7; 11-JAN-2008 16:43:35; Dark ; 39.5; 71; Iot Car ; 2.25; 7700;occ; 79; 0;30669  
28; 6821.7; 11-JAN-2008 16:44:56; Dark ; 42.5; 41; Eps Car ; 1.86; 4100;occ; 85; 0;30669  
29; 7048.9; 11-JAN-2008 16:48:43; Dark ; 46.5; 2; Alp Car ;-0.74; 7000;occ; 93; 0;30669  
30; 7256.2; 11-JAN-2008 16:52:11; Dark ; 12.5; 117; Pi Pup ; 2.71; 3800;occ; 25; 0;30669

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1; 1220.2; 11-JAN-2008 16:52:11; Dark ; 44.5; 117; Pi Pup ; 2.71; 3800;occ; 89; 0;30670  
2; 1377.1; 11-JAN-2008 16:54:48; Dark ; 43.5; 23; 21Eps Cma ; 1.50; 26000;occ; 87; 0;30670  
3; 1463.9; 11-JAN-2008 16:56:14; Dark ; 41.0; 179; 240mi2Cma ; 3.03; 24000;occ; 82; 0;30670  
4; 1600.5; 11-JAN-2008 16:58:31; Dark ; 45.5; 1; 9Alp Cma ;-1.44; 11000;occ; 91; 0;30670  
5; 1748.8; 11-JAN-2008 17:00:59; Dark ; 41.0; 56; 53Kap Ori ; 2.07; 30000;occ; 82; 0;30670  
6; 1896.2; 11-JAN-2008 17:03:27; Dark ; 40.0; 30; 46Eps Ori ; 1.69; 30000;occ; 80; 0;30670  
7; 2033.9; 11-JAN-2008 17:05:44; Dark ; 52.0; 14; 58Alp Ori ; 0.87; 3000;occ; 104; 0;30670  
8; 2270.1; 11-JAN-2008 17:09:41; Bright; 35.0; 176; 23Zet Tau ; 3.02; 22000;occ; 70; 0;30670

9; 2398.2; 11-JAN-2008 17:11:49; Bright; 37.5; 28; 12Bet Tau ; 1.65; 15200;occ; 75; 0;30670  
 10; 2487.5; 11-JAN-2008 17:13:18; Bright; 37.5; 114; 3Iot Aur ; 2.69; 4600;occ; 75; 0;30670  
 11; 2675.9; 11-JAN-2008 17:16:26; Bright; 36.5; 42; 34Bet Aur ; 1.90; 10200;occ; 73; 0;30670  
 12; 3424.8; 11-JAN-2008 17:28:55; Bright; 36.5; 49; 1Alp UMi ; 1.99; 6300;occ; 73; 0;30670  
 13; 3673.0; 11-JAN-2008 17:33:03; Bright; 40.5; 60; 7Bet UMi ; 2.08; 3950;occ; 81; 0;30670  
 14; 3924.2; 11-JAN-2008 17:37:15; Bright; 35.0; 119; 14Eta Dra ; 2.73; 4700;occ; 70; 0;30670  
 15; 4070.4; 11-JAN-2008 17:39:41; Bright; 33.0; 130; 23Bet Dra ; 2.80; 5800;occ; 66; 0;30670  
 16; 4444.9; 11-JAN-2008 17:45:55; Bright; 34.0; 133; 40Zet Her ; 2.81; 6000;occ; 68; 0;30670  
 17; 4626.9; 11-JAN-2008 17:48:57; Bright; 54.0; 127; 27Bet Her ; 2.78; 4700;occ; 108; 0;30670  
 18; 5074.1; 11-JAN-2008 17:56:25; Bright; 51.5; 120; 1Del Oph ; 2.73; 3200;occ; 103; 0;30670  
 19; 5160.3; 11-JAN-2008 17:57:51; Bright; 35.5; 98; 13Zet Oph ; 2.57; 30000;occ; 71; 0;30670  
 20; 5427.0; 11-JAN-2008 18:02:18; Dark ; 44.5; 16; 21Alp Sco ; 1.02; 3000;occ; 89; 0;30670  
 21; 5732.9; 11-JAN-2008 18:07:23; Dark ; 37.5; 131; Gam Lup ; 2.80; 26000;occ; 75; 0;30670  
 22; 5830.3; 11-JAN-2008 18:09:01; Dark ; 38.5; 109; Bet Lup ; 2.68; 26000;occ; 77; 0;30670  
 23; 5920.9; 11-JAN-2008 18:10:31; Dark ; 39.5; 78; Alp Lup ; 2.30; 28000;occ; 79; 0;30670  
 24; 6088.3; 11-JAN-2008 18:13:19; Dark ; 53.0; 4; Alp1Cen ; -0.01; 5800;occ; 106; 0;30670  
 25; 6299.2; 11-JAN-2008 18:16:50; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;30670  
 26; 6541.8; 11-JAN-2008 18:20:52; Dark ; 38.5; 124; The Car ; 2.76; 30000;occ; 77; 0;30670  
 27; 6634.3; 11-JAN-2008 18:22:25; Dark ; 37.5; 29; Bet Car ; 1.67; 10200;occ; 75; 0;30670  
 28; 6741.3; 11-JAN-2008 18:24:12; Dark ; 42.0; 71; Iot Car ; 2.25; 7700;occ; 84; 0;30670  
 29; 6822.1; 11-JAN-2008 18:25:33; Dark ; 43.5; 41; Eps Car ; 1.86; 4100;occ; 87; 0;30670  
 30; 7049.0; 11-JAN-2008 18:29:20; Dark ; 49.0; 2; Alp Car ; -0.74; 7000;occ; 98; 0;30670

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 2; -301.7; 11-JAN-2008 23:09:13; Dark ; 36.5; 131; Gam Lup ; 2.80; 26000;occ; 73; 0;30673  
 3; -204.0; 11-JAN-2008 23:10:50; Dark ; 38.0; 109; Bet Lup ; 2.68; 26000;occ; 76; 0;30673  
 4; -113.5; 11-JAN-2008 23:12:21; Dark ; 39.5; 78; Alp Lup ; 2.30; 28000;occ; 79; 0;30673  
 5; 53.5; 11-JAN-2008 23:15:08; Dark ; 46.0; 4; Alp1Cen ; -0.01; 5800;occ; 92; 0;30674  
 6; 264.0; 11-JAN-2008 23:18:38; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;30674  
 7; 507.2; 11-JAN-2008 23:22:41; Dark ; 38.0; 124; The Car ; 2.76; 30000;occ; 76; 0;30674  
 8; 599.2; 11-JAN-2008 23:24:13; Dark ; 38.5; 29; Bet Car ; 1.67; 10200;occ; 77; 0;30674  
 9; 706.5; 11-JAN-2008 23:26:01; Dark ; 39.5; 71; Iot Car ; 2.25; 7700;occ; 79; 0;30674  
 10; 787.1; 11-JAN-2008 23:27:21; Dark ; 50.0; 41; Eps Car ; 1.86; 4100;occ; 100; 0;30674  
 11; 1013.5; 11-JAN-2008 23:31:08; Dark ; 52.0; 2; Alp Car ; -0.74; 7000;occ; 104; 0;30674  
 12; 1221.3; 11-JAN-2008 23:34:36; Dark ; 43.0; 117; Pi Pup ; 2.71; 3800;occ; 86; 0;30674  
 13; 1377.9; 11-JAN-2008 23:37:12; Dark ; 42.5; 23; 21Eps CMA ; 1.50; 26000;occ; 85; 0;30674  
 14; 1464.8; 11-JAN-2008 23:38:39; Dark ; 40.5; 179; 240mi2CMA ; 3.03; 24000;occ; 81; 0;30674  
 15; 1601.0; 11-JAN-2008 23:40:55; Dark ; 46.0; 1; 9Alp CMA ; -1.44; 11000;occ; 92; 0;30674  
 16; 1749.3; 11-JAN-2008 23:43:23; Dark ; 39.5; 56; 53Kap Ori ; 2.07; 30000;occ; 79; 0;30674  
 17; 1896.7; 11-JAN-2008 23:45:51; Dark ; 42.0; 30; 46Eps Ori ; 1.69; 30000;occ; 84; 0;30674  
 18; 2033.9; 11-JAN-2008 23:48:08; Dark ; 52.0; 14; 58Alp Ori ; 0.87; 3000;occ; 104; 0;30674  
 19; 2270.3; 11-JAN-2008 23:52:04; Bright; 35.5; 176; 23Zet Tau ; 3.02; 22000;occ; 71; 0;30674  
 20; 2398.4; 11-JAN-2008 23:54:13; Bright; 35.0; 28; 12Bet Tau ; 1.65; 15200;occ; 70; 0;30674  
 21; 2488.2; 11-JAN-2008 23:55:42; Bright; 36.5; 114; 3Iot Aur ; 2.69; 4600;occ; 73; 0;30674  
 22; 2675.5; 11-JAN-2008 23:58:50; Bright; 34.0; 42; 34Bet Aur ; 1.90; 10200;occ; 68; 0;30674  
 23; 3424.7; 12-JAN-2008 00:11:19; Bright; 34.5; 49; 1Alp UMi ; 1.99; 6300;occ; 69; 0;30674  
 24; 3672.4; 12-JAN-2008 00:15:27; Bright; 36.0; 60; 7Bet UMi ; 2.08; 3950;occ; 72; 0;30674  
 25; 3924.1; 12-JAN-2008 00:19:38; Bright; 38.0; 119; 14Eta Dra ; 2.73; 4700;occ; 76; 0;30674  
 26; 4070.8; 12-JAN-2008 00:22:05; Bright; 52.0; 130; 23Bet Dra ; 2.80; 5800;occ; 104; 0;30674  
 27; 4445.4; 12-JAN-2008 00:28:20; Bright; 53.0; 133; 40Zet Her ; 2.81; 6000;occ; 106; 0;30674  
 28; 4627.7; 12-JAN-2008 00:31:22; Bright; 54.0; 127; 27Bet Her ; 2.78; 4700;occ; 108; 0;30674  
 29; 5075.4; 12-JAN-2008 00:38:50; Bright; 54.0; 120; 1Del Oph ; 2.73; 3200;occ; 108; 0;30674  
 30; 5161.4; 12-JAN-2008 00:40:16; Bright; 52.0; 98; 13Zet Oph ; 2.57; 30000;occ; 104; 0;30674  
 31; 5427.9; 12-JAN-2008 00:44:42; Dark ; 6.0; 16; 21Alp Sco ; 1.02; 3000;occ; 12; 0;30674

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 2; 1220.5; 11-JAN-2008 18:32:47; Dark ; 44.0; 117; Pi Pup ; 2.71; 3800;occ; 88; 0;30671  
 3; 1377.3; 11-JAN-2008 18:35:24; Dark ; 44.0; 23; 21Eps CMA ; 1.50; 26000;occ; 88; 0;30671  
 4; 1464.3; 11-JAN-2008 18:36:51; Dark ; 41.0; 179; 240mi2CMA ; 3.03; 24000;occ; 82; 0;30671  
 5; 1600.7; 11-JAN-2008 18:39:07; Dark ; 46.5; 1; 9Alp CMA ; -1.44; 11000;occ; 93; 0;30671  
 6; 1749.0; 11-JAN-2008 18:41:35; Dark ; 39.5; 56; 53Kap Ori ; 2.07; 30000;occ; 79; 0;30671  
 7; 1896.3; 11-JAN-2008 18:44:03; Dark ; 41.5; 30; 46Eps Ori ; 1.69; 30000;occ; 83; 0;30671  
 8; 2033.9; 11-JAN-2008 18:46:20; Dark ; 48.5; 14; 58Alp Ori ; 0.87; 3000;occ; 97; 0;30671  
 9; 2270.2; 11-JAN-2008 18:50:17; Bright; 36.0; 176; 23Zet Tau ; 3.02; 22000;occ; 72; 0;30671  
 10; 2398.3; 11-JAN-2008 18:52:25; Bright; 38.0; 28; 12Bet Tau ; 1.65; 15200;occ; 76; 0;30671  
 11; 2487.7; 11-JAN-2008 18:53:54; Bright; 37.5; 114; 3Iot Aur ; 2.69; 4600;occ; 75; 0;30671  
 12; 2675.7; 11-JAN-2008 18:57:02; Bright; 35.5; 42; 34Bet Aur ; 1.90; 10200;occ; 71; 0;30671  
 13; 3424.7; 11-JAN-2008 19:09:31; Bright; 36.0; 49; 1Alp UMi ; 1.99; 6300;occ; 72; 0;30671



14; 3672.8; 11-JAN-2008 19:13:39; Bright; 34.5; 60; 7Bet UMi ; 2.08; 3950;occ; 69; 0;30671  
 15; 3924.3; 11-JAN-2008 19:17:51; Bright; 35.5; 119; 14Eta Dra ; 2.73; 4700;occ; 71; 0;30671  
 16; 4070.5; 11-JAN-2008 19:20:17; Bright; 33.0; 130; 23Bet Dra ; 2.80; 5800;occ; 66; 0;30671  
 17; 4445.0; 11-JAN-2008 19:26:32; Bright; 34.5; 133; 40Zet Her ; 2.81; 6000;occ; 69; 0;30671  
 18; 4627.1; 11-JAN-2008 19:29:34; Bright; 36.0; 127; 27Bet Her ; 2.78; 4700;occ; 72; 0;30671  
 19; 5074.3; 11-JAN-2008 19:37:01; Bright; 38.0; 120; 1Del Oph ; 2.73; 3200;occ; 76; 0;30671  
 20; 5160.5; 11-JAN-2008 19:38:27; Bright; 34.5; 98; 13Zet Oph ; 2.57; 30000;occ; 69; 0;30671  
 21; 5427.2; 11-JAN-2008 19:42:54; Dark ; 45.5; 16; 21Alp Sco ; 1.02; 3000;occ; 91; 0;30671  
 22; 5733.3; 11-JAN-2008 19:48:00; Dark ; 37.5; 131; Gam Lup ; 2.80; 26000;occ; 75; 0;30671  
 23; 5830.8; 11-JAN-2008 19:49:37; Dark ; 39.0; 109; Bet Lup ; 2.68; 26000;occ; 78; 0;30671  
 24; 5921.4; 11-JAN-2008 19:51:08; Dark ; 39.0; 78; Alp Lup ; 2.30; 28000;occ; 78; 0;30671  
 25; 6088.6; 11-JAN-2008 19:53:55; Dark ; 52.0; 4; Alp1Cen ; -0.01; 5800;occ; 104; 0;30671  
 26; 6299.5; 11-JAN-2008 19:57:26; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;30671  
 27; 6542.1; 11-JAN-2008 20:01:29; Dark ; 37.5; 124; The Car ; 2.76; 30000;occ; 75; 0;30671  
 28; 6634.6; 11-JAN-2008 20:03:01; Dark ; 37.5; 29; Bet Car ; 1.67; 10200;occ; 75; 0;30671  
 29; 6741.5; 11-JAN-2008 20:04:48; Dark ; 39.5; 71; Iot Car ; 2.25; 7700;occ; 79; 0;30671  
 30; 6822.4; 11-JAN-2008 20:06:09; Dark ; 46.5; 41; Eps Car ; 1.86; 4100;occ; 93; 0;30671

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 3; 264.3; 12-JAN-2008 00:59:14; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;30675  
 4; 507.7; 12-JAN-2008 01:03:18; Dark ; 38.5; 124; The Car ; 2.76; 30000;occ; 77; 0;30675  
 5; 599.5; 12-JAN-2008 01:04:50; Dark ; 37.0; 29; Bet Car ; 1.67; 10200;occ; 74; 0;30675  
 6; 707.0; 12-JAN-2008 01:06:37; Dark ; 39.0; 71; Iot Car ; 2.25; 7700;occ; 78; 0;30675  
 7; 787.5; 12-JAN-2008 01:07:58; Dark ; 44.5; 41; Eps Car ; 1.86; 4100;occ; 89; 0;30675  
 8; 1013.8; 12-JAN-2008 01:11:44; Dark ; 47.5; 2; Alp Car ; -0.74; 7000;occ; 95; 0;30675  
 9; 1221.6; 12-JAN-2008 01:15:12; Dark ; 44.0; 117; Pi Pup ; 2.71; 3800;occ; 88; 0;30675  
 10; 1378.1; 12-JAN-2008 01:17:48; Dark ; 43.0; 23; 21Eps CMA ; 1.50; 26000;occ; 86; 0;30675  
 11; 1464.9; 12-JAN-2008 01:19:15; Dark ; 41.5; 179; 240mi2CMA ; 3.03; 24000;occ; 83; 0;30675  
 12; 1601.1; 12-JAN-2008 01:21:31; Dark ; 51.0; 1; 9Alp CMA ; -1.44; 11000;occ; 102; 0;30675  
 13; 1749.4; 12-JAN-2008 01:23:59; Dark ; 40.0; 56; 53Kap Ori ; 2.07; 30000;occ; 80; 0;30675  
 14; 1896.9; 12-JAN-2008 01:26:27; Dark ; 38.5; 30; 46Eps Ori ; 1.69; 30000;occ; 77; 0;30675  
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 16; 2270.4; 12-JAN-2008 01:32:40; Bright; 38.0; 176; 23Zet Tau ; 3.02; 22000;occ; 76; 0;30675  
 17; 2398.6; 12-JAN-2008 01:34:49; Bright; 36.5; 28; 12Bet Tau ; 1.65; 15200;occ; 73; 0;30675  
 18; 2488.4; 12-JAN-2008 01:36:18; Bright; 38.0; 114; 3Iot Aur ; 2.69; 4600;occ; 76; 0;30675  
 19; 2675.3; 12-JAN-2008 01:39:25; Bright; 37.0; 42; 34Bet Aur ; 1.90; 10200;occ; 74; 0;30675  
 20; 3424.7; 12-JAN-2008 01:51:55; Bright; 34.0; 49; 1Alp UMi ; 1.99; 6300;occ; 68; 0;30675  
 21; 3672.2; 12-JAN-2008 01:56:02; Bright; 38.5; 60; 7Bet UMi ; 2.08; 3950;occ; 77; 0;30675  
 22; 3924.1; 12-JAN-2008 02:00:14; Bright; 36.0; 119; 14Eta Dra ; 2.73; 4700;occ; 72; 0;30675  
 23; 4070.9; 12-JAN-2008 02:02:41; Bright; 36.0; 130; 23Bet Dra ; 2.80; 5800;occ; 72; 0;30675  
 24; 4445.5; 12-JAN-2008 02:08:56; Bright; 34.5; 133; 40Zet Her ; 2.81; 6000;occ; 69; 0;30675  
 25; 4628.0; 12-JAN-2008 02:11:58; Bright; 35.0; 127; 27Bet Her ; 2.78; 4700;occ; 70; 0;30675  
 26; 5075.8; 12-JAN-2008 02:19:26; Bright; 30.5; 120; 1Del Oph ; 2.73; 3200;occ; 61; 0;30675

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 4; -202.8; 12-JAN-2008 02:32:03; Dark ; 39.5; 109; Bet Lup ; 2.68; 26000;occ; 79; 0;30675  
 5; -112.2; 12-JAN-2008 02:33:34; Dark ; 40.0; 78; Alp Lup ; 2.30; 28000;occ; 80; 0;30675  
 6; 54.3; 12-JAN-2008 02:36:20; Dark ; 40.0; 4; Alp1Cen ; -0.01; 5800;occ; 80; 0;30676  
 7; 264.5; 12-JAN-2008 02:39:51; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;30676  
 8; 508.3; 12-JAN-2008 02:43:54; Dark ; 38.5; 124; The Car ; 2.76; 30000;occ; 77; 0;30676  
 9; 599.9; 12-JAN-2008 02:45:26; Dark ; 38.0; 29; Bet Car ; 1.67; 10200;occ; 76; 0;30676  
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11;	4084.8;	23-JAN-2008	14:41:43;	Bright;	;	37.0;	130;	23Bet Dra	;	2.80;	5800;occ;	74;	0;	30840
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17;	5583.2;	23-JAN-2008	15:06:41;	Dark	;	40.0;	25;	35Lam Sco	;	1.62;	28000;occ;	80;	0;	30840
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19;	5791.5;	23-JAN-2008	15:10:09;	Dark	;	36.5;	147;	Alp Ara	;	2.88;	26000;occ;	73;	0;	30840
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27;	6923.6;	23-JAN-2008	15:29:02;	Dark	;	42.5;	46;	Del Vel	;	1.95;	10600;occ;	85;	0;	30840
28;	7081.1;	23-JAN-2008	15:31:39;	Dark	;	43.0;	34;	Gam2Vel	;	1.79;	23000;occ;	86;	0;	30840
29;	7207.9;	23-JAN-2008	15:33:46;	Dark	;	40.5;	70;	Zet Pup	;	2.25;	39000;occ;	81;	0;	30840
30;	7299.0;	23-JAN-2008	15:35:17;	Dark	;	42.5;	117;	Pi Pup	;	2.71;	3800;occ;	85;	0;	30840
31;	7447.6;	23-JAN-2008	15:37:46;	Dark	;	8.0;	23;	21Eps CMa	;	1.50;	26000;occ;	16;	0;	30840

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4;	1779.0;	23-JAN-2008	15:43:53;	Dark	;	41.0;	56;	53Kap Ori	;	2.07;	30000;occ;	82;	0;	30841
5;	1913.1;	23-JAN-2008	15:46:07;	Dark	;	39.5;	33;	50Zet Ori	;	1.77;	30000;occ;	79;	0;	30841
6;	2056.0;	23-JAN-2008	15:48:30;	Dark	;	44.5;	14;	58Alp Ori	;	0.87;	3000;occ;	89;	0;	30841
7;	2187.5;	23-JAN-2008	15:50:41;	Bright;	;	38.5;	44;	24Gam Gem	;	1.93;	11000;occ;	77;	0;	30841
8;	2293.5;	23-JAN-2008	15:52:27;	Bright;	;	39.5;	151;	13Mu Gem	;	2.89;	3000;occ;	79;	0;	30841
9;	2427.3;	23-JAN-2008	15:54:41;	Bright;	;	37.0;	28;	12Bet Tau	;	1.65;	15200;occ;	74;	0;	30841
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19;	5583.4;	23-JAN-2008	16:47:17;	Dark	;	39.5;	25;	35Lam Sco	;	1.62;	28000;occ;	79;	0;	30841
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21;	5791.7;	23-JAN-2008	16:50:46;	Dark	;	36.0;	147;	Alp Ara	;	2.88;	26000;occ;	72;	0;	30841
22;	5887.0;	23-JAN-2008	16:52:21;	Dark	;	45.5;	141;	Bet Ara	;	2.84;	4600;occ;	91;	0;	30841
23;	6084.6;	23-JAN-2008	16:55:38;	Dark	;	37.0;	134;	Bet TrA	;	2.81;	6600;occ;	74;	0;	30841
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26;	2676.5;	24-JAN-2008	22:09:37;	Bright;		36.0;	42;	34Bet Aur	;	1.90;	10200;occ;	72;	0;	30859
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29;	4288.2;	24-JAN-2008	22:36:29;	Bright;		34.5;	5;	3Alp Lyr	;	0.03;	11000;occ;	69;	0;	30859
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 24; 6352.9; 25-JAN-2008 17:37:29; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;30870  
 25; 6453.7; 25-JAN-2008 17:39:09; Dark ; 40.5; 12; Alp1Cru ; 0.77; 30000;occ; 81; 0;30870  
 26; 6693.8; 25-JAN-2008 17:43:10; Dark ; 36.5; 29; Bet Car ; 1.67; 10200;occ; 73; 0;30870  
 27; 6826.0; 25-JAN-2008 17:45:22; Dark ; 39.5; 71; Iot Car ; 2.25; 7700;occ; 79; 0;30870  
 28; 6934.1; 25-JAN-2008 17:47:10; Dark ; 43.5; 46; Del Vel ; 1.95; 10600;occ; 87; 0;30870  
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 6; 1629.7; 25-JAN-2008 17:59:22; Dark ; 46.5; 1; 9Alp CMA ; -1.44; 11000;occ; 93; 0;30871  
 7; 2062.2; 25-JAN-2008 18:06:34; Dark ; 46.5; 14; 58Alp Ori ; 0.87; 3000;occ; 93; 0;30871  
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22; 5796.8; 25-JAN-2008 19:08:49; Dark ; 36.5; 147; Alp Ara ; 2.88; 26000;occ; 73; 0;30871  
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 25; 6180.2; 25-JAN-2008 19:15:12; Dark ; 41.5; 4; Alp1Cen ;-0.01; 5800;occ; 83; 0;30871  
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 16; 4772.2; 25-JAN-2008 20:32:20; Bright; 53.0; 59; 55Alp Oph ; 2.08; 8900;occ; 106; 0;30872  
 17; 4898.7; 25-JAN-2008 20:34:26; Bright; 35.0; 126; 60Bet Oph ; 2.77; 4250;occ; 70; 0;30872  
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 25; 6180.6; 25-JAN-2008 20:55:48; Dark ; 41.0; 4; Alp1Cen ;-0.01; 5800;occ; 82; 0;30872  
 26; 6353.4; 25-JAN-2008 20:58:41; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;30872  
 27; 6454.6; 25-JAN-2008 21:00:22; Dark ; 44.5; 12; Alp1Cru ; 0.77; 30000;occ; 89; 0;30872  
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 5; 1503.0; 26-JAN-2008 20:46:50; Dark ; 37.0; 179; 240mi2CMA ; 3.03; 24000;occ; 74; 0;30887  
 6; 1632.3; 26-JAN-2008 20:48:59; Dark ; 46.0; 1; 9Alp CMA ;-1.44; 11000;occ; 92; 0;30887  
 7; 2047.5; 26-JAN-2008 20:55:54; Dark ; 40.0; 153; 3Bet CMI ; 2.89; 13100;occ; 80; 0;30887  
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 9; 2297.5; 26-JAN-2008 21:00:04; Bright; 39.0; 151; 13Mu Gem ; 2.89; 3000;occ; 78; 0;30887  
 10; 2552.1; 26-JAN-2008 21:04:19; Bright; 35.0; 107; 37The Aur ; 2.65; 11000;occ; 70; 0;30887  
 11; 2679.6; 26-JAN-2008 21:06:26; Bright; 35.0; 42; 34Bet Aur ; 1.90; 10200;occ; 70; 0;30887  
 12; 3427.0; 26-JAN-2008 21:18:54; Bright; 35.0; 49; 1Alp UMi ; 1.99; 6300;occ; 70; 0;30887  
 13; 4086.3; 26-JAN-2008 21:29:53; Bright; 36.5; 130; 23Bet Dra ; 2.80; 5800;occ; 73; 0;30887  
 14; 4292.9; 26-JAN-2008 21:33:19; Bright; 36.0; 5; 3Alp Lyr ; 0.03; 11000;occ; 72; 0;30887  
 15; 4775.8; 26-JAN-2008 21:41:22; Bright; 35.0; 59; 55Alp Oph ; 2.08; 8900;occ; 70; 0;30887  
 16; 4902.7; 26-JAN-2008 21:43:29; Bright; 51.5; 126; 60Bet Oph ; 2.77; 4250;occ; 103; 0;30887

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 7; 152.4; 26-JAN-2008 22:04:55; Dark ; 43.0; 4; Alp1Cen ;-0.01; 5800;occ; 86; 0;30888  
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13; 3427.2; 27-JAN-2008 20:47:17; Bright; 35.5; 49; 1Alp UMi ; 1.99; 6300;occ; 71; 0;30901
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5; -233.1; 27-JAN-2008 21:26:52; Dark ; 35.5; 147; Alp Ara ; 2.88; 26000;occ; 71; 0;30901

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7;	159.7;	27-JAN-2008	21:33:25;	Dark	;	43.5;	4;	Alp1Cen	;	-0.01;	5800;occ;	87;	0;	30902
8;	325.5;	27-JAN-2008	21:36:11;	Dark	;	59.5;	0;		;	0.00;	0;occ;	119;	0;	30902
9;	434.6;	27-JAN-2008	21:38:00;	Dark	;	41.5;	12;	Alp1Cru	;	0.77;	30000;occ;	83;	0;	30902
10;	666.1;	27-JAN-2008	21:41:52;	Dark	;	37.5;	29;	Bet Car	;	1.67;	10200;occ;	75;	0;	30902
11;	801.3;	27-JAN-2008	21:44:07;	Dark	;	39.5;	71;	Iot Car	;	2.25;	7700;occ;	79;	0;	30902
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13;	1063.0;	27-JAN-2008	21:48:28;	Dark	;	42.0;	34;	Gam2Vel	;	1.79;	23000;occ;	84;	0;	30902
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22;	2554.6;	27-JAN-2008	22:13:20;	Bright;		34.5;	107;	37The Aur	;	2.65;	11000;occ;	69;	0;	30902
23;	2681.6;	27-JAN-2008	22:15:27;	Bright;		37.0;	42;	34Bet Aur	;	1.90;	10200;occ;	74;	0;	30902
24;	3427.2;	27-JAN-2008	22:27:53;	Bright;		37.0;	49;	1Alp UMi	;	1.99;	6300;occ;	74;	0;	30902
25;	4086.8;	27-JAN-2008	22:38:52;	Bright;		37.0;	130;	23Bet Dra	;	2.80;	5800;occ;	74;	0;	30902
26;	4295.3;	27-JAN-2008	22:42:21;	Bright;		37.0;	5;	3Alp Lyr	;	0.03;	11000;occ;	74;	0;	30902
27;	4779.7;	27-JAN-2008	22:50:25;	Bright;		53.0;	59;	55Alp Oph	;	2.08;	8900;occ;	106;	0;	30902
28;	4906.6;	27-JAN-2008	22:52:32;	Bright;		34.5;	126;	60Bet Oph	;	2.77;	4250;occ;	69;	0;	30902
29;	5284.1;	27-JAN-2008	22:58:50;	Dark	;	42.0;	86;	35Eta Oph	;	2.43;	10200;occ;	84;	0;	30902
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22;	2681.8;	27-JAN-2008	23:56:03;	Bright;		35.5;	42;	34Bet Aur	;	1.90;	10200;occ;	71;	0;	30903
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27;	4906.8;	28-JAN-2008	00:33:08;	Bright;		34.5;	126;	60Bet Oph	;	2.77;	4250;occ;	69;	0;	30903
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 25; 7457.6; 27-JAN-2008 11:50:52; Dark ; 38.5; 23; 21Eps Cma ; 1.50; 26000;occ; 77; 0;30895  
 26; 7540.4; 27-JAN-2008 11:52:14; Dark ; 38.0; 179; 240mi2Cma ; 3.03; 24000;occ; 76; 0;30895  
 27; 7669.6; 27-JAN-2008 11:54:24; Dark ; 27.5; 1; 9Alp Cma ; -1.44; 11000;occ; 55; 0;30895

/nas3/ENVISAT/GOMOS/GOM\_NL\_\_0P/GOM\_NL\_\_0PNPDK20080127\_115424\_000059432065\_00281\_30896\_9994.N1

1; 1633.8; 27-JAN-2008 11:54:24; Dark ; 43.0; 1; 9Alp Cma ; -1.44; 11000;occ; 86; 0;30896  
 2; 2047.3; 27-JAN-2008 12:01:17; Dark ; 40.0; 153; 3Bet Cmi ; 2.89; 13100;occ; 80; 0;30896  
 3; 2190.9; 27-JAN-2008 12:03:41; Bright; 37.5; 44; 24Gam Gem ; 1.93; 11000;occ; 75; 0;30896



4; 2298.6; 27-JAN-2008 12:05:28; Bright; 52.0; 151; 13Mu Gem ; 2.89; 3000;occ; 104; 0;30896  
5; 2553.5; 27-JAN-2008 12:09:43; Bright; 35.0; 107; 37The Aur ; 2.65; 11000;occ; 70; 0;30896  
6; 2680.8; 27-JAN-2008 12:11:51; Bright; 36.5; 42; 34Bet Aur ; 1.90; 10200;occ; 73; 0;30896  
7; 3427.2; 27-JAN-2008 12:24:17; Bright; 37.0; 49; 1Alp UMi ; 1.99; 6300;occ; 74; 0;30896  
8; 4086.6; 27-JAN-2008 12:35:16; Bright; 36.5; 130; 23Bet Dra ; 2.80; 5800;occ; 73; 0;30896  
9; 4294.4; 27-JAN-2008 12:38:44; Bright; 32.5; 5; 3Alp Lyr ; 0.03; 11000;occ; 65; 0;30896  
10; 4778.2; 27-JAN-2008 12:46:48; Bright; 53.0; 59; 55Alp Oph ; 2.08; 8900;occ; 106; 0;30896  
11; 4905.0; 27-JAN-2008 12:48:55; Bright; 34.0; 126; 60Bet Oph ; 2.77; 4250;occ; 68; 0;30896  
12; 5281.6; 27-JAN-2008 12:55:11; Dark ; 41.0; 86; 35Eta Oph ; 2.43; 10200;occ; 82; 0;30896  
13; 5526.8; 27-JAN-2008 12:59:17; Dark ; 48.0; 16; 21Alp Sco ; 1.02; 3000;occ; 96; 0;30896  
14; 5608.1; 27-JAN-2008 13:00:38; Dark ; 39.5; 75; 26Eps Sco ; 2.29; 4250;occ; 79; 0;30896  
15; 5687.2; 27-JAN-2008 13:01:57; Dark ; 40.5; 40; The Sco ; 1.86; 7100;occ; 81; 0;30896  
16; 6102.3; 27-JAN-2008 13:08:52; Dark ; 37.5; 134; Bet TrA ; 2.81; 6600;occ; 75; 0;30896  
17; 6193.1; 27-JAN-2008 13:10:23; Dark ; 40.5; 4; Alp1Cen ; -0.01; 5800;occ; 81; 0;30896  
18; 6359.9; 27-JAN-2008 13:13:10; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;30896  
19; 6467.9; 27-JAN-2008 13:14:58; Dark ; 40.0; 12; Alp1Cru ; 0.77; 30000;occ; 80; 0;30896  
20; 6700.7; 27-JAN-2008 13:18:51; Dark ; 37.0; 29; Bet Car ; 1.67; 10200;occ; 74; 0;30896  
21; 6835.4; 27-JAN-2008 13:21:05; Dark ; 39.0; 71; Iot Car ; 2.25; 7700;occ; 78; 0;30896  
22; 6942.7; 27-JAN-2008 13:22:53; Dark ; 38.0; 46; Del Vel ; 1.95; 10600;occ; 76; 0;30896  
23; 7097.5; 27-JAN-2008 13:25:27; Dark ; 40.5; 34; Gam2Vel ; 1.79; 23000;occ; 81; 0;30896  
24; 7223.5; 27-JAN-2008 13:27:33; Dark ; 37.5; 70; Zet Pup ; 2.25; 39000;occ; 75; 0;30896  
25; 7310.6; 27-JAN-2008 13:29:00; Dark ; 42.0; 117; Pi Pup ; 2.71; 3800;occ; 84; 0;30896  
26; 7457.9; 27-JAN-2008 13:31:28; Dark ; 41.0; 23; 21Eps CMa ; 1.50; 26000;occ; 82; 0;30896  
27; 7540.8; 27-JAN-2008 13:32:51; Dark ; 37.0; 179; 240mi2CMa ; 3.03; 24000;occ; 74; 0;30896

/nas3/ENVISAT/GOMOS/GOM\_NL\_\_0P/GOM\_NL\_\_0PNPDK20080127\_133323\_000058102065\_00282\_30897\_9995.N1

1; 1536.9; 27-JAN-2008 13:33:23; Dark ; 37.5; 179; 240mi2CMa ; 3.03; 24000;occ; 75; 64;30897  
2; 1634.0; 27-JAN-2008 13:35:00; Dark ; 45.0; 1; 9Alp CMa ; -1.44; 11000;occ; 90; 0;30897  
3; 2047.2; 27-JAN-2008 13:41:53; Dark ; 39.5; 153; 3Bet CMi ; 2.89; 13100;occ; 79; 0;30897  
4; 2191.0; 27-JAN-2008 13:44:17; Bright; 38.5; 44; 24Gam Gem ; 1.93; 11000;occ; 77; 0;30897  
5; 2298.8; 27-JAN-2008 13:46:04; Bright; 39.5; 151; 13Mu Gem ; 2.89; 3000;occ; 79; 0;30897  
6; 2553.9; 27-JAN-2008 13:50:20; Bright; 35.0; 107; 37The Aur ; 2.65; 11000;occ; 70; 0;30897  
7; 2681.0; 27-JAN-2008 13:52:27; Bright; 36.0; 42; 34Bet Aur ; 1.90; 10200;occ; 72; 0;30897  
8; 3427.2; 27-JAN-2008 14:04:53; Bright; 35.0; 49; 1Alp UMi ; 1.99; 6300;occ; 70; 0;30897  
9; 4086.8; 27-JAN-2008 14:15:52; Bright; 36.5; 130; 23Bet Dra ; 2.80; 5800;occ; 73; 0;30897  
10; 4294.6; 27-JAN-2008 14:19:20; Bright; 36.5; 5; 3Alp Lyr ; 0.03; 11000;occ; 73; 0;30897  
11; 4778.5; 27-JAN-2008 14:27:24; Bright; 34.5; 59; 55Alp Oph ; 2.08; 8900;occ; 69; 0;30897  
12; 4905.2; 27-JAN-2008 14:29:31; Bright; 35.5; 126; 60Bet Oph ; 2.77; 4250;occ; 71; 0;30897  
13; 5282.1; 27-JAN-2008 14:35:48; Dark ; 40.5; 86; 35Eta Oph ; 2.43; 10200;occ; 81; 0;30897  
14; 5527.5; 27-JAN-2008 14:39:53; Dark ; 53.5; 16; 21Alp Sco ; 1.02; 3000;occ; 107; 0;30897  
15; 5608.7; 27-JAN-2008 14:41:14; Dark ; 47.0; 75; 26Eps Sco ; 2.29; 4250;occ; 94; 0;30897  
16; 5687.6; 27-JAN-2008 14:42:33; Dark ; 44.5; 40; The Sco ; 1.86; 7100;occ; 89; 0;30897  
17; 6102.6; 27-JAN-2008 14:49:28; Dark ; 37.0; 134; Bet TrA ; 2.81; 6600;occ; 74; 0;30897  
18; 6193.5; 27-JAN-2008 14:50:59; Dark ; 41.0; 4; Alp1Cen ; -0.01; 5800;occ; 82; 0;30897  
19; 6360.3; 27-JAN-2008 14:53:46; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;30897  
20; 6468.4; 27-JAN-2008 14:55:34; Dark ; 42.5; 12; Alp1Cru ; 0.77; 30000;occ; 85; 0;30897  
21; 6701.0; 27-JAN-2008 14:59:27; Dark ; 37.0; 29; Bet Car ; 1.67; 10200;occ; 74; 0;30897  
22; 6835.7; 27-JAN-2008 15:01:41; Dark ; 38.0; 71; Iot Car ; 2.25; 7700;occ; 76; 0;30897  
23; 6943.1; 27-JAN-2008 15:03:29; Dark ; 38.5; 46; Del Vel ; 1.95; 10600;occ; 77; 0;30897  
24; 7097.8; 27-JAN-2008 15:06:03; Dark ; 40.0; 34; Gam2Vel ; 1.79; 23000;occ; 80; 0;30897  
25; 7223.8; 27-JAN-2008 15:08:09; Dark ; 40.5; 70; Zet Pup ; 2.25; 39000;occ; 81; 0;30897  
26; 7310.8; 27-JAN-2008 15:09:36; Dark ; 37.0; 117; Pi Pup ; 2.71; 3800;occ; 74; 0;30897

/nas3/ENVISAT/GOMOS/GOM\_NL\_\_0P/GOM\_NL\_\_0PNPDK20080127\_150936\_000059902065\_00283\_30898\_9996.N1

1; 1274.9; 27-JAN-2008 15:09:36; Dark ; 42.0; 117; Pi Pup ; 2.71; 3800;occ; 84; 0;30898  
2; 1422.1; 27-JAN-2008 15:12:04; Dark ; 40.0; 23; 21Eps CMa ; 1.50; 26000;occ; 80; 0;30898  
3; 1504.9; 27-JAN-2008 15:13:26; Dark ; 38.0; 179; 240mi2CMa ; 3.03; 24000;occ; 76; 0;30898  
4; 1634.1; 27-JAN-2008 15:15:36; Dark ; 45.5; 1; 9Alp CMa ; -1.44; 11000;occ; 91; 0;30898  
5; 2047.2; 27-JAN-2008 15:22:29; Dark ; 40.5; 153; 3Bet CMi ; 2.89; 13100;occ; 81; 0;30898  
6; 2191.1; 27-JAN-2008 15:24:53; Bright; 35.0; 44; 24Gam Gem ; 1.93; 11000;occ; 70; 0;30898  
7; 2298.9; 27-JAN-2008 15:26:40; Bright; 38.0; 151; 13Mu Gem ; 2.89; 3000;occ; 76; 0;30898  
8; 2553.8; 27-JAN-2008 15:30:55; Bright; 36.0; 107; 37The Aur ; 2.65; 11000;occ; 72; 0;30898  
9; 2681.2; 27-JAN-2008 15:33:03; Bright; 34.5; 42; 34Bet Aur ; 1.90; 10200;occ; 69; 0;30898  
10; 3427.3; 27-JAN-2008 15:45:29; Bright; 36.0; 49; 1Alp UMi ; 1.99; 6300;occ; 72; 0;30898  
11; 4086.9; 27-JAN-2008 15:56:28; Bright; 38.0; 130; 23Bet Dra ; 2.80; 5800;occ; 76; 0;30898  
12; 4294.8; 27-JAN-2008 15:59:56; Bright; 35.5; 5; 3Alp Lyr ; 0.03; 11000;occ; 71; 0;30898  
13; 4778.8; 27-JAN-2008 16:08:00; Bright; 53.0; 59; 55Alp Oph ; 2.08; 8900;occ; 106; 0;30898  
14; 4905.6; 27-JAN-2008 16:10:07; Bright; 53.0; 126; 60Bet Oph ; 2.77; 4250;occ; 106; 0;30898  
15; 5282.5; 27-JAN-2008 16:16:24; Dark ; 39.0; 86; 35Eta Oph ; 2.43; 10200;occ; 78; 0;30898  
16; 5528.0; 27-JAN-2008 16:20:30; Dark ; 57.0; 16; 21Alp Sco ; 1.02; 3000;occ; 114; 0;30898

17; 5609.1; 27-JAN-2008 16:21:51; Dark ; 42.5; 75; 26Eps Sco ; 2.29; 4250;occ; 85; 0;30898  
 18; 5687.9; 27-JAN-2008 16:23:09; Dark ; 41.0; 40; The Sco ; 1.86; 7100;occ; 82; 0;30898  
 19; 6103.1; 27-JAN-2008 16:30:05; Dark ; 38.5; 134; Bet TrA ; 2.81; 6600;occ; 77; 0;30898  
 20; 6194.2; 27-JAN-2008 16:31:36; Dark ; 42.5; 4; Alp1Cen ; -0.01; 5800;occ; 85; 0;30898  
 21; 6360.7; 27-JAN-2008 16:34:22; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;30898  
 22; 6469.0; 27-JAN-2008 16:36:11; Dark ; 39.5; 12; Alp1Cru ; 0.77; 30000;occ; 79; 0;30898  
 23; 6701.4; 27-JAN-2008 16:40:03; Dark ; 38.0; 29; Bet Car ; 1.67; 10200;occ; 76; 0;30898  
 24; 6836.2; 27-JAN-2008 16:42:18; Dark ; 43.5; 71; Iot Car ; 2.25; 7700;occ; 87; 0;30898  
 25; 6943.5; 27-JAN-2008 16:44:05; Dark ; 42.0; 46; Del Vel ; 1.95; 10600;occ; 84; 0;30898  
 26; 7098.2; 27-JAN-2008 16:46:40; Dark ; 44.0; 34; Gam2Vel ; 1.79; 23000;occ; 88; 0;30898  
 27; 7224.2; 27-JAN-2008 16:48:46; Dark ; 41.0; 70; Zet Pup ; 2.25; 39000;occ; 82; 0;30898

/nas3/ENVISAT/GOMOS/GOM\_NL\_\_0P/GOM\_NL\_\_0PNPDK20080127\_164859\_000057832065\_00284\_30899\_9997.N1

1; 1201.2; 27-JAN-2008 16:48:59; Dark ; 41.5; 70; Zet Pup ; 2.25; 39000;occ; 83; 26;30899  
 2; 1275.2; 27-JAN-2008 16:50:13; Dark ; 40.0; 117; Pi Pup ; 2.71; 3800;occ; 80; 0;30899  
 3; 1422.3; 27-JAN-2008 16:52:40; Dark ; 37.5; 23; 21Eps CMA ; 1.50; 26000;occ; 75; 0;30899  
 4; 1505.1; 27-JAN-2008 16:54:03; Dark ; 38.5; 179; 240mi2CMA ; 3.03; 24000;occ; 77; 0;30899  
 5; 1634.3; 27-JAN-2008 16:56:12; Dark ; 45.5; 1; 9Alp CMA ; -1.44; 11000;occ; 91; 0;30899  
 6; 2047.0; 27-JAN-2008 17:03:05; Dark ; 41.5; 153; 3Bet CMi ; 2.89; 13100;occ; 83; 0;30899  
 7; 2191.1; 27-JAN-2008 17:05:29; Bright; 39.0; 44; 24Gam Gem ; 1.93; 11000;occ; 78; 0;30899  
 8; 2299.0; 27-JAN-2008 17:07:17; Bright; 39.5; 151; 13Mu Gem ; 2.89; 3000;occ; 79; 0;30899  
 9; 2554.1; 27-JAN-2008 17:11:32; Bright; 35.0; 107; 37The Aur ; 2.65; 11000;occ; 70; 0;30899  
 10; 2681.3; 27-JAN-2008 17:13:39; Bright; 35.0; 42; 34Bet Aur ; 1.90; 10200;occ; 70; 0;30899  
 11; 3427.2; 27-JAN-2008 17:26:05; Bright; 36.5; 49; 1Alp UMi ; 1.99; 6300;occ; 73; 0;30899  
 12; 4086.8; 27-JAN-2008 17:37:04; Bright; 37.0; 130; 23Bet Dra ; 2.80; 5800;occ; 74; 0;30899  
 13; 4294.9; 27-JAN-2008 17:40:32; Bright; 34.5; 5; 3Alp Lyr ; 0.03; 11000;occ; 69; 0;30899  
 14; 4779.1; 27-JAN-2008 17:48:37; Bright; 36.0; 59; 55Alp Oph ; 2.08; 8900;occ; 72; 0;30899  
 15; 4905.8; 27-JAN-2008 17:50:43; Bright; 53.0; 126; 60Bet Oph ; 2.77; 4250;occ; 106; 0;30899  
 16; 5283.0; 27-JAN-2008 17:57:01; Dark ; 42.5; 86; 35Eta Oph ; 2.43; 10200;occ; 85; 0;30899  
 17; 5528.7; 27-JAN-2008 18:01:06; Dark ; 53.0; 16; 21Alp Sco ; 1.02; 3000;occ; 106; 0;30899  
 18; 5609.6; 27-JAN-2008 18:02:27; Dark ; 43.0; 75; 26Eps Sco ; 2.29; 4250;occ; 86; 0;30899  
 19; 5688.1; 27-JAN-2008 18:03:46; Dark ; 38.0; 40; The Sco ; 1.86; 7100;occ; 76; 0;30899  
 20; 6103.4; 27-JAN-2008 18:10:41; Dark ; 38.0; 134; Bet TrA ; 2.81; 6600;occ; 76; 0;30899  
 21; 6194.7; 27-JAN-2008 18:12:12; Dark ; 44.0; 4; Alp1Cen ; -0.01; 5800;occ; 88; 0;30899  
 22; 6360.9; 27-JAN-2008 18:14:58; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;30899  
 23; 6469.6; 27-JAN-2008 18:16:47; Dark ; 41.0; 12; Alp1Cru ; 0.77; 30000;occ; 82; 0;30899  
 24; 6701.7; 27-JAN-2008 18:20:39; Dark ; 37.0; 29; Bet Car ; 1.67; 10200;occ; 74; 0;30899  
 25; 6836.6; 27-JAN-2008 18:22:54; Dark ; 38.5; 71; Iot Car ; 2.25; 7700;occ; 77; 0;30899  
 26; 6943.9; 27-JAN-2008 18:24:41; Dark ; 41.0; 46; Del Vel ; 1.95; 10600;occ; 82; 0;30899

/nas3/ENVISAT/GOMOS/GOM\_NL\_\_0P/GOM\_NL\_\_0PNPDK20080127\_182716\_000059242065\_00285\_30900\_9998.N1

1; 1062.5; 27-JAN-2008 18:27:16; Dark ; 41.5; 34; Gam2Vel ; 1.79; 23000;occ; 83; 0;30900  
 2; 1188.5; 27-JAN-2008 18:29:22; Dark ; 40.0; 70; Zet Pup ; 2.25; 39000;occ; 80; 0;30900  
 3; 1275.3; 27-JAN-2008 18:30:49; Dark ; 42.5; 117; Pi Pup ; 2.71; 3800;occ; 85; 0;30900  
 4; 1422.5; 27-JAN-2008 18:33:16; Dark ; 41.5; 23; 21Eps CMA ; 1.50; 26000;occ; 83; 0;30900  
 5; 1505.3; 27-JAN-2008 18:34:39; Dark ; 40.0; 179; 240mi2CMA ; 3.03; 24000;occ; 80; 0;30900  
 6; 1634.5; 27-JAN-2008 18:36:48; Dark ; 45.0; 1; 9Alp CMA ; -1.44; 11000;occ; 90; 0;30900  
 7; 2047.2; 27-JAN-2008 18:43:41; Dark ; 40.5; 153; 3Bet CMi ; 2.89; 13100;occ; 81; 0;30900  
 8; 2191.4; 27-JAN-2008 18:46:05; Bright; 38.0; 44; 24Gam Gem ; 1.93; 11000;occ; 76; 0;30900  
 9; 2299.1; 27-JAN-2008 18:47:53; Bright; 40.0; 151; 13Mu Gem ; 2.89; 3000;occ; 80; 0;30900  
 10; 2554.3; 27-JAN-2008 18:52:08; Bright; 35.5; 107; 37The Aur ; 2.65; 11000;occ; 71; 0;30900  
 11; 2681.5; 27-JAN-2008 18:54:15; Bright; 36.5; 42; 34Bet Aur ; 1.90; 10200;occ; 73; 0;30900  
 12; 3427.3; 27-JAN-2008 19:06:41; Bright; 36.0; 49; 1Alp UMi ; 1.99; 6300;occ; 72; 0;30900  
 13; 4087.0; 27-JAN-2008 19:17:41; Bright; 36.0; 130; 23Bet Dra ; 2.80; 5800;occ; 72; 0;30900  
 14; 4295.0; 27-JAN-2008 19:21:09; Bright; 34.5; 5; 3Alp Lyr ; 0.03; 11000;occ; 69; 0;30900  
 15; 4779.3; 27-JAN-2008 19:29:13; Bright; 36.0; 59; 55Alp Oph ; 2.08; 8900;occ; 72; 0;30900  
 16; 4906.1; 27-JAN-2008 19:31:20; Bright; 53.0; 126; 60Bet Oph ; 2.77; 4250;occ; 106; 0;30900  
 17; 5283.4; 27-JAN-2008 19:37:37; Dark ; 40.5; 86; 35Eta Oph ; 2.43; 10200;occ; 81; 0;30900  
 18; 5529.2; 27-JAN-2008 19:41:43; Dark ; 55.5; 16; 21Alp Sco ; 1.02; 3000;occ; 111; 0;30900  
 19; 5610.0; 27-JAN-2008 19:43:04; Dark ; 41.5; 75; 26Eps Sco ; 2.29; 4250;occ; 83; 0;30900  
 20; 5688.3; 27-JAN-2008 19:44:22; Dark ; 39.0; 40; The Sco ; 1.86; 7100;occ; 78; 0;30900  
 21; 5802.6; 27-JAN-2008 19:46:16; Dark ; 35.5; 147; Alp Ara ; 2.88; 26000;occ; 71; 0;30900  
 22; 6103.8; 27-JAN-2008 19:51:17; Dark ; 38.5; 134; Bet TrA ; 2.81; 6600;occ; 77; 0;30900  
 23; 6195.1; 27-JAN-2008 19:52:49; Dark ; 42.5; 4; Alp1Cen ; -0.01; 5800;occ; 85; 0;30900  
 24; 6361.2; 27-JAN-2008 19:55:35; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;30900  
 25; 6470.1; 27-JAN-2008 19:57:24; Dark ; 42.5; 12; Alp1Cru ; 0.77; 30000;occ; 85; 0;30900  
 26; 6701.8; 27-JAN-2008 20:01:15; Dark ; 38.5; 29; Bet Car ; 1.67; 10200;occ; 77; 0;30900  
 27; 6836.9; 27-JAN-2008 20:03:30; Dark ; 39.0; 71; Iot Car ; 2.25; 7700;occ; 78; 0;30900  
 28; 6944.2; 27-JAN-2008 20:05:18; Dark ; 43.0; 46; Del Vel ; 1.95; 10600;occ; 86; 0;30900

/nas3/ENVISAT/GOMOS/GOM\_NL\_\_0P/GOM\_NL\_\_0PNPDE20080122\_210222\_000044102065\_00215\_30830\_5170.N1

1; 883.5; 22-JAN-2008 21:02:22; Dark ; 41.0; 46; Del Vel ; 1.95; 10600;occ; 82; 0;30830  
 2; 1039.0; 22-JAN-2008 21:04:58; Dark ; 44.0; 2; Alp Car ; -0.74; 7000;occ; 88; 0;30830  
 3; 1168.5; 22-JAN-2008 21:07:07; Dark ; 43.0; 70; Zet Pup ; 2.25; 39000;occ; 86; 0;30830  
 4; 1260.4; 22-JAN-2008 21:08:39; Dark ; 41.0; 117; Pi Pup ; 2.71; 3800;occ; 82; 0;30830  
 5; 1409.7; 22-JAN-2008 21:11:09; Dark ; 39.0; 23; 21Eps CMA ; 1.50; 26000;occ; 78; 0;30830  
 6; 1493.0; 22-JAN-2008 21:12:32; Dark ; 34.0; 179; 240mi2CMA ; 3.03; 24000;occ; 68; 0;30830  
 7; 1623.3; 22-JAN-2008 21:14:42; Dark ; 43.0; 1; 9Alp CMA ; -1.44; 11000;occ; 86; 0;30830  
 8; 1776.4; 22-JAN-2008 21:17:15; Dark ; 39.5; 56; 53Kap Ori ; 2.07; 30000;occ; 79; 0;30830  
 9; 1910.3; 22-JAN-2008 21:19:29; Dark ; 41.5; 33; 50Zet Ori ; 1.77; 30000;occ; 83; 0;30830  
 10; 2053.8; 22-JAN-2008 21:21:53; Dark ; 52.0; 14; 58Alp Ori ; 0.87; 3000;occ; 104; 0;30830  
 11; 2187.1; 22-JAN-2008 21:24:06; Dark ; 41.5; 44; 24Gam Gem ; 1.93; 11000;occ; 83; 0;30830  
 12; 2292.7; 22-JAN-2008 21:25:52; Bright; 38.0; 151; 13Mu Gem ; 2.89; 3000;occ; 76; 0;30830  
 13; 2424.5; 22-JAN-2008 21:28:03; Bright; 37.5; 28; 12Bet Tau ; 1.65; 15200;occ; 75; 0;30830  
 14; 2545.1; 22-JAN-2008 21:30:04; Bright; 36.0; 107; 37The Aur ; 2.65; 11000;occ; 72; 0;30830  
 15; 2674.1; 22-JAN-2008 21:32:13; Bright; 36.0; 42; 34Bet Aur ; 1.90; 10200;occ; 72; 0;30830  
 16; 3426.3; 22-JAN-2008 21:44:45; Bright; 36.5; 49; 1Alp UMi ; 1.99; 6300;occ; 73; 0;30830  
 17; 4084.1; 22-JAN-2008 21:55:43; Bright; 36.5; 130; 23Bet Dra ; 2.80; 5800;occ; 73; 0;30830  
 18; 4283.1; 22-JAN-2008 21:59:02; Bright; 35.0; 5; 3Alp Lyr ; 0.03; 11000;occ; 70; 0;30830  
 19; 4762.5; 22-JAN-2008 22:07:01; Bright; 34.0; 59; 55Alp Oph ; 2.08; 8900;occ; 68; 0;30830  
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21; 1509.0; 29-JAN-2008 07:27:53; Dark ; 38.5; 179; 240mi2CMa ; 3.03; 24000;occ; 77; 0;30922
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23; 6951.2; 29-JAN-2008 08:58:35; Dark ; 39.0; 46; Del Vel ; 1.95; 10600;occ; 78; 0;30922
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/nas3/ENVISAT/GOMOS/GOM\_NL\_\_0P/GOM\_NL\_\_0PNPDK20080129\_105145\_000059112065\_00309\_30924\_0010.N1

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 27; 7462.6; 29-JAN-2008 12:28:18; Dark ; 41.0; 23; 21Eps CMa ; 1.50; 26000;occ; 82; 0;30924  
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 13; 4913.0; 29-JAN-2008 13:26:25; Bright; 35.0; 126; 60Bet Oph ; 2.77; 4250;occ; 70; 0;30925  
 14; 5294.1; 29-JAN-2008 13:32:46; Dark ; 44.0; 86; 35Eta Oph ; 2.43; 10200;occ; 88; 0;30925  
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3;	84.0;	31-JAN-2008	00:59:06;	Dark	;	38.5;	134;	Bet TrA	;	2.81;	6600;occ;	77;	0;	30947
4;	183.6;	31-JAN-2008	01:00:45;	Dark	;	45.0;	4;	Alp1Cen	;	-0.01;	5800;occ;	90;	0;	30947
5;	338.0;	31-JAN-2008	01:03:20;	Dark	;	59.5;	0;		;	0.00;	0;occ;	119;	0;	30947
6;	459.3;	31-JAN-2008	01:05:21;	Dark	;	43.5;	12;	Alp1Cru	;	0.77;	30000;occ;	87;	0;	30947
7;	677.4;	31-JAN-2008	01:08:59;	Dark	;	37.0;	29;	Bet Car	;	1.67;	10200;occ;	74;	0;	30947
8;	816.9;	31-JAN-2008	01:11:19;	Dark	;	41.0;	71;	Iot Car	;	2.25;	7700;occ;	82;	0;	30947
9;	922.6;	31-JAN-2008	01:13:04;	Dark	;	40.5;	46;	Del Vel	;	1.95;	10600;occ;	81;	0;	30947
10;	1075.0;	31-JAN-2008	01:15:37;	Dark	;	38.5;	34;	Gam2Vel	;	1.79;	23000;occ;	77;	0;	30947
11;	1200.4;	31-JAN-2008	01:17:42;	Dark	;	39.0;	70;	Zet Pup	;	2.25;	39000;occ;	78;	0;	30947
12;	1284.2;	31-JAN-2008	01:19:06;	Dark	;	41.5;	117;	Pi Pup	;	2.71;	3800;occ;	83;	0;	30947
13;	1430.7;	31-JAN-2008	01:21:32;	Dark	;	41.0;	23;	21Eps CMA	;	1.50;	26000;occ;	82;	0;	30947
14;	1513.2;	31-JAN-2008	01:22:55;	Dark	;	38.0;	179;	240mi2CMA	;	3.03;	24000;occ;	76;	0;	30947
15;	1642.4;	31-JAN-2008	01:25:04;	Dark	;	46.5;	1;	9Alp CMA	;	-1.44;	11000;occ;	93;	0;	30947
16;	1993.1;	31-JAN-2008	01:30:55;	Dark	;	51.0;	8;	10Alp CMI	;	0.40;	6500;occ;	102;	0;	30947
17;	2196.7;	31-JAN-2008	01:34:18;	Bright;		37.5;	44;	24Gam Gem	;	1.93;	11000;occ;	75;	0;	30947
18;	2306.1;	31-JAN-2008	01:36:08;	Bright;		38.5;	151;	13Mu Gem	;	2.89;	3000;occ;	77;	0;	30947
19;	2459.1;	31-JAN-2008	01:38:41;	Bright;		38.5;	24;	66Alp Gem	;	1.58;	10200;occ;	77;	0;	30947
20;	2563.2;	31-JAN-2008	01:40:25;	Bright;		35.0;	107;	37The Aur	;	2.65;	11000;occ;	70;	0;	30947
21;	2689.0;	31-JAN-2008	01:42:31;	Bright;		36.5;	42;	34Bet Aur	;	1.90;	10200;occ;	73;	0;	30947
22;	3427.8;	31-JAN-2008	01:54:50;	Bright;		32.0;	49;	1Alp UMi	;	1.99;	6300;occ;	64;	0;	30947
23;	4087.4;	31-JAN-2008	02:05:49;	Bright;		37.0;	130;	23Bet Dra	;	2.80;	5800;occ;	74;	0;	30947
24;	4302.2;	31-JAN-2008	02:09:24;	Bright;		36.0;	5;	3Alp Lyr	;	0.03;	11000;occ;	72;	0;	30947
25;	4791.8;	31-JAN-2008	02:17:34;	Bright;		54.0;	59;	55Alp Oph	;	2.08;	8900;occ;	108;	0;	30947
26;	4919.4;	31-JAN-2008	02:19:41;	Bright;		51.0;	126;	60Bet Oph	;	2.77;	4250;occ;	102;	0;	30947
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2;	-336.0;	31-JAN-2008	02:32:42;	Dark	;	39.5;	40;	The Sco	;	1.86;	7100;occ;	79;	0;	30947
3;	-222.5;	31-JAN-2008	02:34:35;	Dark	;	38.0;	147;	Alp Ara	;	2.88;	26000;occ;	76;	0;	30947
4;	-128.5;	31-JAN-2008	02:36:09;	Dark	;	44.5;	141;	Bet Ara	;	2.84;	4600;occ;	89;	0;	30947
5;	84.5;	31-JAN-2008	02:39:42;	Dark	;	37.0;	134;	Bet TrA	;	2.81;	6600;occ;	74;	0;	30948
6;	184.2;	31-JAN-2008	02:41:22;	Dark	;	42.0;	4;	Alp1Cen	;	-0.01;	5800;occ;	84;	0;	30948
7;	338.3;	31-JAN-2008	02:43:56;	Dark	;	59.5;	0;		;	0.00;	0;occ;	119;	0;	30948
8;	459.9;	31-JAN-2008	02:45:58;	Dark	;	40.0;	12;	Alp1Cru	;	0.77;	30000;occ;	80;	0;	30948
9;	677.6;	31-JAN-2008	02:49:35;	Dark	;	37.0;	29;	Bet Car	;	1.67;	10200;occ;	74;	0;	30948
10;	817.4;	31-JAN-2008	02:51:55;	Dark	;	38.0;	71;	Iot Car	;	2.25;	7700;occ;	76;	0;	30948
11;	923.0;	31-JAN-2008	02:53:41;	Dark	;	39.5;	46;	Del Vel	;	1.95;	10600;occ;	79;	0;	30948
12;	1075.3;	31-JAN-2008	02:56:13;	Dark	;	37.0;	34;	Gam2Vel	;	1.79;	23000;occ;	74;	0;	30948
13;	1200.7;	31-JAN-2008	02:58:18;	Dark	;	37.5;	70;	Zet Pup	;	2.25;	39000;occ;	75;	0;	30948
14;	1284.4;	31-JAN-2008	02:59:42;	Dark	;	42.0;	117;	Pi Pup	;	2.71;	3800;occ;	84;	0;	30948
15;	1430.9;	31-JAN-2008	03:02:09;	Dark	;	40.0;	23;	21Eps CMA	;	1.50;	26000;occ;	80;	0;	30948
16;	1513.5;	31-JAN-2008	03:03:31;	Dark	;	37.5;	179;	240mi2CMA	;	3.03;	24000;occ;	75;	0;	30948
17;	1642.7;	31-JAN-2008	03:05:40;	Dark	;	44.0;	1;	9Alp CMA	;	-1.44;	11000;occ;	88;	0;	30948
18;	1993.1;	31-JAN-2008	03:11:31;	Dark	;	49.0;	8;	10Alp CMI	;	0.40;	6500;occ;	98;	0;	30948
19;	2196.9;	31-JAN-2008	03:14:55;	Bright;		37.5;	44;	24Gam Gem	;	1.93;	11000;occ;	75;	0;	30948
20;	2306.3;	31-JAN-2008	03:16:44;	Bright;		38.0;	151;	13Mu Gem	;	2.89;	3000;occ;	76;	0;	30948
21;	2458.9;	31-JAN-2008	03:19:17;	Bright;		39.5;	24;	66Alp Gem	;	1.58;	10200;occ;	79;	0;	30948
22;	2563.5;	31-JAN-2008	03:21:01;	Bright;		36.0;	107;	37The Aur	;	2.65;	11000;occ;	72;	0;	30948
23;	2689.1;	31-JAN-2008	03:23:07;	Bright;		36.0;	42;	34Bet Aur	;	1.90;	10200;occ;	72;	0;	30948
24;	3427.8;	31-JAN-2008	03:35:25;	Bright;		32.0;	49;	1Alp UMi	;	1.99;	6300;occ;	64;	0;	30948
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2;	-1733.7;	31-JAN-2008	03:50:00;	Bright;		33.0;	5;	3Alp Lyr	;	0.03;	11000;occ;	66;	0;	30948
3;	-1243.9;	31-JAN-2008	03:58:10;	Bright;		36.0;	59;	55Alp Oph	;	2.08;	8900;occ;	72;	0;	30948
4;	-1116.2;	31-JAN-2008	04:00:17;	Bright;		35.5;	126;	60Bet Oph	;	2.77;	4250;occ;	71;	0;	30948
5;	-731.2;	31-JAN-2008	04:06:42;	Dark	;	42.0;	86;	35Eta Oph	;	2.43;	10200;occ;	84;	0;	30948
6;	-424.7;	31-JAN-2008	04:11:49;	Dark	;	38.5;	25;	35Lam Sco	;	1.62;	28000;occ;	77;	0;	30948
7;	-335.7;	31-JAN-2008	04:13:18;	Dark	;	43.0;	40;	The Sco	;	1.86;	7100;occ;	86;	0;	30948
8;	-222.2;	31-JAN-2008	04:15:11;	Dark	;	37.0;	147;	Alp Ara	;	2.88;	26000;occ;	74;	0;	30948
9;	-128.3;	31-JAN-2008	04:16:45;	Dark	;	42.5;	141;	Bet Ara	;	2.84;	4600;occ;	85;	0;	30948
10;	84.7;	31-JAN-2008	04:20:18;	Dark	;	37.5;	134;	Bet TrA	;	2.81;	6600;occ;	75;	0;	30949
11;	184.6;	31-JAN-2008	04:21:58;	Dark	;	42.0;	4;	Alp1Cen	;	-0.01;	5800;occ;	84;	0;	30949
12;	338.6;	31-JAN-2008	04:24:32;	Dark	;	59.5;	0;		;	0.00;	0;occ;	119;	0;	30949
13;	460.3;	31-JAN-2008	04:26:34;	Dark	;	40.5;	12;	Alp1Cru	;	0.77;	30000;occ;	81;	0;	30949
14;	677.9;	31-JAN-2008	04:30:12;	Dark	;	38.0;	29;	Bet Car	;	1.67;	10200;occ;	76;	0;	30949
15;	817.6;	31-JAN-2008	04:32:31;	Dark	;	38.0;	71;	Iot Car	;	2.25;	7700;occ;	76;	0;	30949
16;	923.3;	31-JAN-2008	04:34:17;	Dark	;	39.5;	46;	Del Vel	;	1.95;	10600;occ;	79;	0;	30949
17;	1075.6;	31-JAN-2008	04:36:49;	Dark	;	37.5;	34;	Gam2Vel	;	1.79;	23000;occ;	75;	0;	30949
18;	1201.0;	31-JAN-2008	04:38:55;	Dark	;	39.5;	70;	Zet Pup	;	2.25;	39000;occ;	79;	0;	30949

19; 1284.7; 31-JAN-2008 04:40:18; Dark ; 39.5; 117; Pi Pup ; 2.71; 3800;occ; 79; 0;30949  
 20; 1431.1; 31-JAN-2008 04:42:45; Dark ; 41.5; 23; 21Eps CMA ; 1.50; 26000;occ; 83; 0;30949  
 21; 1513.6; 31-JAN-2008 04:44:07; Dark ; 37.0; 179; 240mi2CMA ; 3.03; 24000;occ; 74; 0;30949  
 22; 1642.8; 31-JAN-2008 04:46:16; Dark ; 45.5; 1; 9Alp CMA ; -1.44; 11000;occ; 91; 0;30949  
 23; 1993.1; 31-JAN-2008 04:52:07; Dark ; 45.5; 8; 10Alp CMi ; 0.40; 6500;occ; 91; 0;30949  
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 25; 2306.5; 31-JAN-2008 04:57:20; Bright; 39.0; 151; 13Mu Gem ; 2.89; 3000;occ; 78; 0;30949  
 26; 2458.8; 31-JAN-2008 04:59:52; Bright; 38.5; 24; 66Alp Gem ; 1.58; 10200;occ; 77; 0;30949  
 27; 2563.8; 31-JAN-2008 05:01:37; Bright; 34.0; 107; 37The Aur ; 2.65; 11000;occ; 68; 0;30949  
 28; 2689.3; 31-JAN-2008 05:03:43; Bright; 36.0; 42; 34Bet Aur ; 1.90; 10200;occ; 72; 0;30949  
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 3;-1243.6; 31-JAN-2008 05:38:46; Bright; 51.5; 59; 55Alp Oph ; 2.08; 8900;occ; 103; 0;30949  
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 12; 338.8; 31-JAN-2008 06:05:09; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;30950  
 13; 460.9; 31-JAN-2008 06:07:11; Dark ; 41.0; 12; Alp1Cru ; 0.77; 30000;occ; 82; 0;30950  
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 15; 818.0; 31-JAN-2008 06:13:08; Dark ; 41.5; 71; Iot Car ; 2.25; 7700;occ; 83; 0;30950  
 16; 923.7; 31-JAN-2008 06:14:53; Dark ; 42.0; 46; Del Vel ; 1.95; 10600;occ; 84; 0;30950  
 17; 1075.8; 31-JAN-2008 06:17:26; Dark ; 40.5; 34; Gam2Vel ; 1.79; 23000;occ; 81; 0;30950  
 18; 1201.2; 31-JAN-2008 06:19:31; Dark ; 38.0; 70; Zet Pup ; 2.25; 39000;occ; 76; 0;30950  
 19; 1284.8; 31-JAN-2008 06:20:55; Dark ; 40.5; 117; Pi Pup ; 2.71; 3800;occ; 81; 0;30950  
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 22; 1643.1; 31-JAN-2008 06:26:53; Dark ; 48.5; 1; 9Alp CMA ; -1.44; 11000;occ; 97; 0;30950  
 23; 1993.1; 31-JAN-2008 06:32:43; Dark ; 51.5; 8; 10Alp CMi ; 0.40; 6500;occ; 103; 0;30950  
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 25; 2306.7; 31-JAN-2008 06:37:56; Bright; 39.0; 151; 13Mu Gem ; 2.89; 3000;occ; 78; 0;30950  
 26; 2458.7; 31-JAN-2008 06:40:28; Bright; 37.5; 24; 66Alp Gem ; 1.58; 10200;occ; 75; 0;30950  
 27; 2563.9; 31-JAN-2008 06:42:14; Bright; 36.0; 107; 37The Aur ; 2.65; 11000;occ; 72; 0;30950  
 28; 2689.5; 31-JAN-2008 06:44:19; Bright; 35.5; 42; 34Bet Aur ; 1.90; 10200;occ; 71; 0;30950  
 29; 3427.8; 31-JAN-2008 06:56:37; Bright; 36.0; 49; 1Alp UMi ; 1.99; 6300;occ; 72; 0;30950

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 3;-1243.4; 31-JAN-2008 07:19:22; Bright; 55.0; 59; 55Alp Oph ; 2.08; 8900;occ; 110; 0;30950  
 4;-1115.8; 31-JAN-2008 07:21:30; Bright; 35.5; 126; 60Bet Oph ; 2.77; 4250;occ; 71; 0;30950  
 5; -730.3; 31-JAN-2008 07:27:55; Dark ; 43.5; 86; 35Eta Oph ; 2.43; 10200;occ; 87; 0;30950  
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 7; -335.2; 31-JAN-2008 07:34:30; Dark ; 42.0; 40; The Sco ; 1.86; 7100;occ; 84; 0;30950  
 8; -221.8; 31-JAN-2008 07:36:24; Dark ; 39.0; 147; Alp Ara ; 2.88; 26000;occ; 78; 0;30950  
 9; -127.9; 31-JAN-2008 07:37:58; Dark ; 39.5; 141; Bet Ara ; 2.84; 4600;occ; 79; 0;30950  
 10; 85.5; 31-JAN-2008 07:41:31; Dark ; 38.0; 134; Bet TrA ; 2.81; 6600;occ; 76; 0;30951  
 11; 185.7; 31-JAN-2008 07:43:11; Dark ; 53.0; 4; Alp1Cen ; -0.01; 5800;occ; 106; 0;30951  
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 13; 461.4; 31-JAN-2008 07:47:47; Dark ; 42.0; 12; Alp1Cru ; 0.77; 30000;occ; 84; 0;30951  
 14; 678.4; 31-JAN-2008 07:51:24; Dark ; 44.5; 29; Bet Car ; 1.67; 10200;occ; 89; 0;30951  
 15; 818.3; 31-JAN-2008 07:53:44; Dark ; 39.5; 71; Iot Car ; 2.25; 7700;occ; 79; 0;30951  
 16; 923.9; 31-JAN-2008 07:55:29; Dark ; 37.5; 46; Del Vel ; 1.95; 10600;occ; 75; 0;30951  
 17; 1076.2; 31-JAN-2008 07:58:02; Dark ; 39.0; 34; Gam2Vel ; 1.79; 23000;occ; 78; 0;30951  
 18; 1201.4; 31-JAN-2008 08:00:07; Dark ; 37.5; 70; Zet Pup ; 2.25; 39000;occ; 75; 0;30951  
 19; 1285.0; 31-JAN-2008 08:01:31; Dark ; 41.5; 117; Pi Pup ; 2.71; 3800;occ; 83; 0;30951  
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 21; 1513.9; 31-JAN-2008 08:05:20; Dark ; 37.0; 179; 240mi2CMA ; 3.03; 24000;occ; 74; 0;30951  
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 3; 2197.3; 31-JAN-2008 08:16:43; Bright; 37.5; 44; 24Gam Gem ; 1.93; 11000;occ; 75; 0;30951

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5; 2458.5; 31-JAN-2008 08:21:04; Bright; 36.5; 24; 66Alp Gem ; 1.58; 10200;occ; 73; 0;30951
6; 2564.2; 31-JAN-2008 08:22:50; Bright; 35.0; 107; 37The Aur ; 2.65; 11000;occ; 70; 0;30951
7; 2689.7; 31-JAN-2008 08:24:55; Bright; 36.5; 42; 34Bet Aur ; 1.90; 10200;occ; 73; 0;30951
8; 3427.8; 31-JAN-2008 08:37:13; Bright; 35.5; 49; 1Alp UMi ; 1.99; 6300;occ; 71; 0;30951
9; 4087.3; 31-JAN-2008 08:48:13; Bright; 37.0; 130; 23Bet Dra ; 2.80; 5800;occ; 74; 0;30951
10; 4302.7; 31-JAN-2008 08:51:48; Bright; 34.0; 5; 3Alp Lyr ; 0.03; 11000;occ; 68; 0;30951
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25; 6500.8; 31-JAN-2008 17:51:26; Dark ; 40.0; 12; Alp1Cru ; 0.77; 30000;occ; 80; 0;30956
26; 6715.8; 31-JAN-2008 17:55:01; Dark ; 44.0; 29; Bet Car ; 1.67; 10200;occ; 88; 0;30956
27; 6856.3; 31-JAN-2008 17:57:21; Dark ; 38.0; 71; Iot Car ; 2.25; 7700;occ; 76; 0;30956
28; 6961.7; 31-JAN-2008 17:59:07; Dark ; 38.5; 46; Del Vel ; 1.95; 10600;occ; 77; 0;30956
29; 7113.6; 31-JAN-2008 18:01:39; Dark ; 36.0; 34; Gam2Vel ; 1.79; 23000;occ; 72; 0;30956

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