

# GOMOS Daily Report 19-NOV-2008

## Level 0 and Level 1 products

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

Item	Value
Time of report generation	21NOV2008 05:49:00
Data source version	GOMOS/5.00
Start time of products	19NOV2008 00:27:47
Stop time of products	19NOV2008 06:42:16
Store outputs in DB	Yes
Nb of level 1b prods	49
Nb of prods with errors	1

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

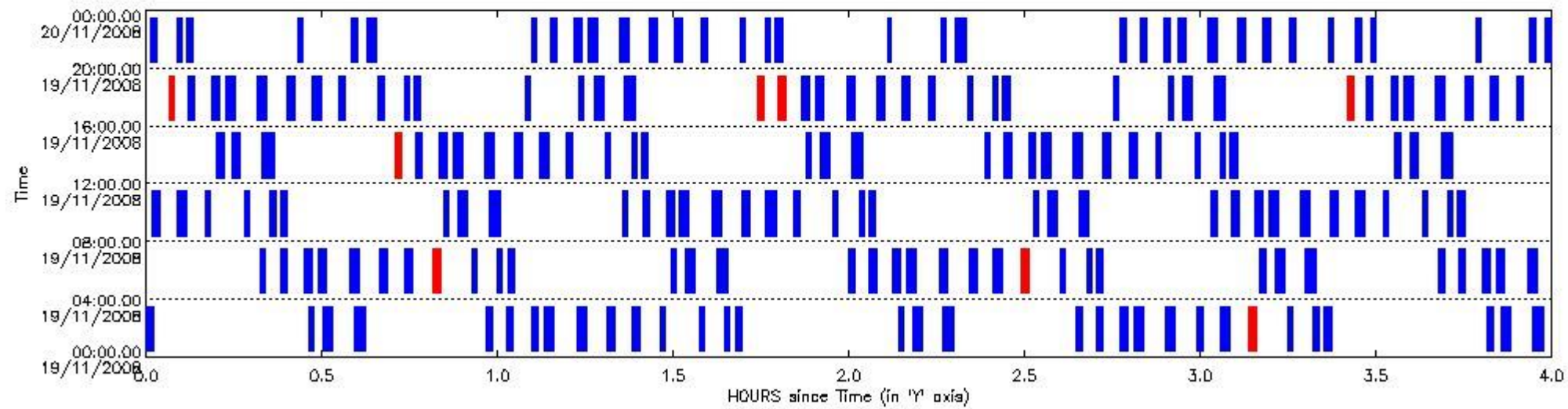
### 2.1 Level 0 products arrived in PCF (see template [here](#))

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

Red segments are missing products.

Blue segments are available products.

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



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

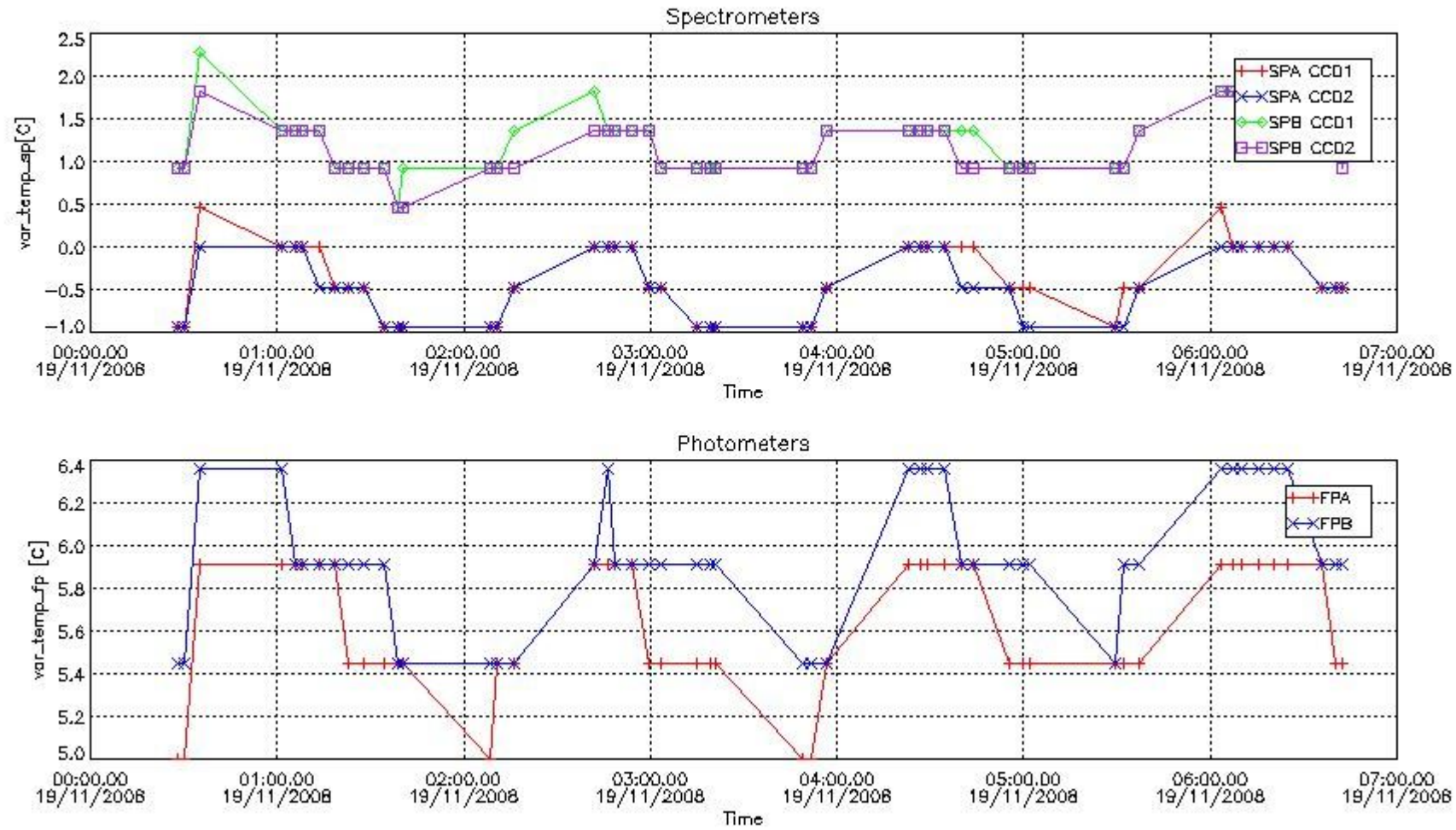
UTC start time	Star name	Star ID	Orbit
19-NOV-2008 03:08:18	87AlpTau	13	35142
19-NOV-2008 04:48:54	87AlpTau	13	35143
19-NOV-2008 06:29:29	87AlpTau	13	35144
19-NOV-2008 12:42:33	DSA1057	0	35148
19-NOV-2008 16:03:49	DSA1057	0	35150
19-NOV-2008 17:44:27	DSA1057	0	35151
19-NOV-2008 17:47:50	PiPup	117	35151
19-NOV-2008 19:25:05	DSA1057	0	35152

### 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_1PNPDE20081119_002747_000000542074_00016_35140_0945.N1	19-NOV-2008 00:27:47	Bright	54.000	96	68Del Leo	2.5600	9300.0	108	35140	No
2	GOM_TRA_1PNPDE20081119_003014_000000932074_00016_35140_0946.N1	19-NOV-2008 00:30:14	Twilight_and_stray	93.000	51	41Gam1Leo	2.0100	4500.0	186	35140	No
3	GOM_TRA_1PNPDE20081119_003524_000001142074_00016_35140_1065.N1	19-NOV-2008 00:35:24	Straylight	113.50	22	32Alp Leo	1.3600	15200.	227	35140	Yes

4	GOM_TRA_1PNPDE20081119_010136_00000642074_00017_35141_1066.N1	19-NOV-2008 01:01:36	Dark	64.000	117	Pi Pup	2.7060	3800.0	128	35141	No
5	GOM_TRA_1PNPDE20081119_010540_00000772074_00017_35141_1067.N1	19-NOV-2008 01:05:40	Dark	77.000	23	21Eps CMa	1.5020	26000.	154	35141	No
6	GOM_TRA_1PNPDE20081119_010800_00000932074_00017_35141_1068.N1	19-NOV-2008 01:08:00	Straylight	93.000	179	24Omi2CMa	3.0320	24000.	186	35141	No
7	GOM_TRA_1PNPDE20081119_011330_00001012074_00017_35141_1069.N1	19-NOV-2008 01:13:30	Straylight	101.00	47	2Bet CMa	1.9760	28000.	202	35141	No
8	GOM_TRA_1PNPDE20081119_011840_00000772074_00017_35141_1070.N1	19-NOV-2008 01:18:40	Straylight	76.500	7	19Bet Ori	0.10000	14000.	153	35141	No
9	GOM_TRA_1PNPDE20081119_012255_00000802074_00017_35141_1071.N1	19-NOV-2008 01:22:55	Bright	80.000	33	50Zet Ori	1.7660	30000.	160	35141	No
10	GOM_TRA_1PNPDE20081119_012740_00000582074_00017_35141_1072.N1	19-NOV-2008 01:27:40	Bright	58.000	13	87Alp Tau	0.86700	3800.0	116	35141	No
11	GOM_TRA_1PNPDE20081119_013420_00000552074_00017_35141_1073.N1	19-NOV-2008 01:34:20	Bright	54.500	114	3lot Aur	2.6930	4600.0	109	35141	No
12	GOM_TRA_1PNPDE20081119_013844_00000532074_00017_35141_1074.N1	19-NOV-2008 01:38:44	Bright	53.000	6	13Alp Aur	0.080000	3400.0	106	35141	No
13	GOM_TRA_1PNPDE20081119_014033_00000682074_00017_35141_1075.N1	19-NOV-2008 01:40:33	Bright	68.000	107	37The Aur	2.6490	11000.	136	35141	No
14	GOM_TRA_1PNPDE20081119_020823_00000502074_00017_35141_1076.N1	19-NOV-2008 02:08:23	Bright	50.000	96	68Del Leo	2.5600	9300.0	100	35141	No
15	GOM_TRA_1PNPDE20081119_021051_00000922074_00017_35141_1077.N1	19-NOV-2008 02:10:51	Twilight_stray	91.500	51	41Gam1Leo	2.0100	4500.0	183	35141	No
16	GOM_TRA_1PNPDE20081119_021602_00001052074_00017_35141_1209.N1	19-NOV-2008 02:16:02	Straylight	105.00	22	32Alp Leo	1.3600	15200.	210	35141	No
17	GOM_TRA_1PNPDE20081119_024213_00000612074_00018_35142_1210.N1	19-NOV-2008 02:42:13	Dark	60.500	117	Pi Pup	2.7060	3800.0	121	35142	No
18	GOM_TRA_1PNPDE20081119_024618_00000802074_00018_35142_1211.N1	19-NOV-2008 02:46:18	Dark	79.500	23	21Eps CMa	1.5020	26000.	159	35142	No
19	GOM_TRA_1PNPDE20081119_024837_00000932074_00018_35142_1212.N1	19-NOV-2008 02:48:37	Straylight	93.000	179	24Omi2CMa	3.0320	24000.	186	35142	No
20	GOM_TRA_1PNPDE20081119_025406_00000912074_00018_35142_1213.N1	19-NOV-2008 02:54:06	Straylight	90.500	47	2Bet CMa	1.9760	28000.	181	35142	No
21	GOM_TRA_1PNPDE20081119_025916_00000762074_00018_35142_1214.N1	19-NOV-2008 02:59:16	Straylight	76.000	7	19Bet Ori	0.10000	14000.	152	35142	No
22	GOM_TRA_1PNPDE20081119_030330_00000872074_00018_35142_1215.N1	19-NOV-2008 03:03:30	Bright	87.000	33	50Zet Ori	1.7660	30000.	174	35142	No
23	GOM_TRA_1PNPDE20081119_031455_00000552074_00018_35142_1216.N1	19-NOV-2008 03:14:55	Bright	54.500	114	3lot Aur	2.6930	4600.0	109	35142	No
24	GOM_TRA_1PNPDE20081119_031919_00000562074_00018_35142_1217.N1	19-NOV-2008 03:19:19	Bright	56.000	6	13Alp Aur	0.080000	3400.0	112	35142	No
25	GOM_TRA_1PNPDE20081119_032107_00000712074_00018_35142_1218.N1	19-NOV-2008 03:21:07	Bright	70.500	107	37The Aur	2.6490	11000.	141	35142	No
26	GOM_TRA_1PNPDE20081119_034859_00000592074_00018_35142_1402.N1	19-NOV-2008 03:48:59	Bright	58.500	96	68Del Leo	2.5600	9300.0	117	35142	No
27	GOM_TRA_1PNPDE20081119_035127_00000922074_00018_35142_1403.N1	19-NOV-2008 03:51:27	Twilight_stray	92.000	51	41Gam1Leo	2.0100	4500.0	184	35142	No
28	GOM_TRA_1PNPDE20081119_035640_00001162074_00018_35142_1404.N1	19-NOV-2008 03:56:40	Straylight	116.00	22	32Alp Leo	1.3600	15200.	232	35142	No
29	GOM_TRA_1PNPDE20081119_042250_00000682074_00019_35143_1405.N1	19-NOV-2008 04:22:50	Dark	68.000	117	Pi Pup	2.7060	3800.0	136	35143	No
30	GOM_TRA_1PNPDE20081119_042654_00000782074_00019_35143_1406.N1	19-NOV-2008 04:26:54	Dark	78.000	23	21Eps CMa	1.5020	26000.	156	35143	No
31	GOM_TRA_1PNPDE20081119_042914_00000902074_00019_35143_1407.N1	19-NOV-2008 04:29:14	Straylight	90.000	179	24Omi2CMa	3.0320	24000.	180	35143	No
32	GOM_TRA_1PNPDE20081119_043442_00000952074_00019_35143_1408.N1	19-NOV-2008 04:34:42	Straylight	94.500	47	2Bet CMa	1.9760	28000.	189	35143	No
33	GOM_TRA_1PNPDE20081119_043951_00000802074_00019_35143_1409.N1	19-NOV-2008 04:39:51	Straylight	80.000	7	19Bet Ori	0.10000	14000.	160	35143	No
34	GOM_TRA_1PNPDE20081119_044405_00000872074_00019_35143_1410.N1	19-NOV-2008 04:44:05	Bright	87.000	33	50Zet Ori	1.7660	30000.	174	35143	No
35	GOM_TRA_1PNPDE20081119_045530_00000552074_00019_35143_1411.N1	19-NOV-2008 04:55:30	Bright	55.000	114	3lot Aur	2.6930	4600.0	110	35143	No
36	GOM_TRA_1PNPDE20081119_045954_00000552074_00019_35143_1412.N1	19-NOV-2008 04:59:54	Bright	55.000	6	13Alp Aur	0.080000	3400.0	110	35143	No
37	GOM_TRA_1PNPDE20081119_050141_00000732074_00019_35143_1413.N1	19-NOV-2008 05:01:41	Bright	72.500	107	37The Aur	2.6490	11000.	145	35143	No
38	GOM_TRA_1PNPDE20081119_052936_00000522074_00019_35143_1558.N1	19-NOV-2008 05:29:36	Bright	51.500	96	68Del Leo	2.5600	9300.0	103	35143	No
39	GOM_TRA_1PNPDE20081119_053205_00000972074_00019_35143_1559.N1	19-NOV-2008 05:32:05	Twilight_stray	96.500	51	41Gam1Leo	2.0100	4500.0	193	35143	No
40	GOM_TRA_1PNPDE20081119_053718_00001152074_00019_35143_1560.N1	19-NOV-2008 05:37:18	Straylight	114.50	22	32Alp Leo	1.3600	15200.	229	35143	No
41	GOM_TRA_1PNPDE20081119_060328_00000782074_00020_35144_1561.N1	19-NOV-2008 06:03:28	Dark	77.500	117	Pi Pup	2.7060	3800.0	155	35144	No
42	GOM_TRA_1PNPDE20081119_060731_00000742074_00020_35144_1562.N1	19-NOV-2008 06:07:31	Dark	74.000	23	21Eps CMa	1.5020	26000.	148	35144	No
43	GOM_TRA_1PNPDE20081119_060951_00000912074_00020_35144_1563.N1	19-NOV-2008 06:09:51	Straylight	90.500	179	24Omi2CMa	3.0320	24000.	181	35144	No
44	GOM_TRA_1PNPDE20081119_061519_00000972074_00020_35144_1564.N1	19-NOV-2008 06:15:19	Straylight	96.500	47	2Bet CMa	1.9760	28000.	193	35144	No
45	GOM_TRA_1PNPDE20081119_062027_00000792074_00020_35144_1565.N1	19-NOV-2008 06:20:27	Straylight	79.000	7	19Bet Ori	0.10000	14000.	158	35144	No
46	GOM_TRA_1PNPDE20081119_062440_00000932074_00020_35144_1566.N1	19-NOV-2008 06:24:40	Bright	93.000	33	50Zet Ori	1.7660	30000.	186	35144	No
47	GOM_TRA_1PNPDE20081119_063605_00000542074_00020_35144_1567.N1	19-NOV-2008 06:36:05	Bright	54.000	114	3lot Aur	2.6930	4600.0	108	35144	No
48	GOM_TRA_1PNPDE20081119_064029_00000522074_00020_35144_1568.N1	19-NOV-2008 06:40:29	Bright	52.000	6	13Alp Aur	0.080000	3400.0	104	35144	No
49	GOM_TRA_1PNPDE20081119_064216_00000702074_00020_35144_1569.N1	19-NOV-2008 06:42:16	Bright	69.500	107	37The Aur	2.6490	11000.	139	35144	No

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



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

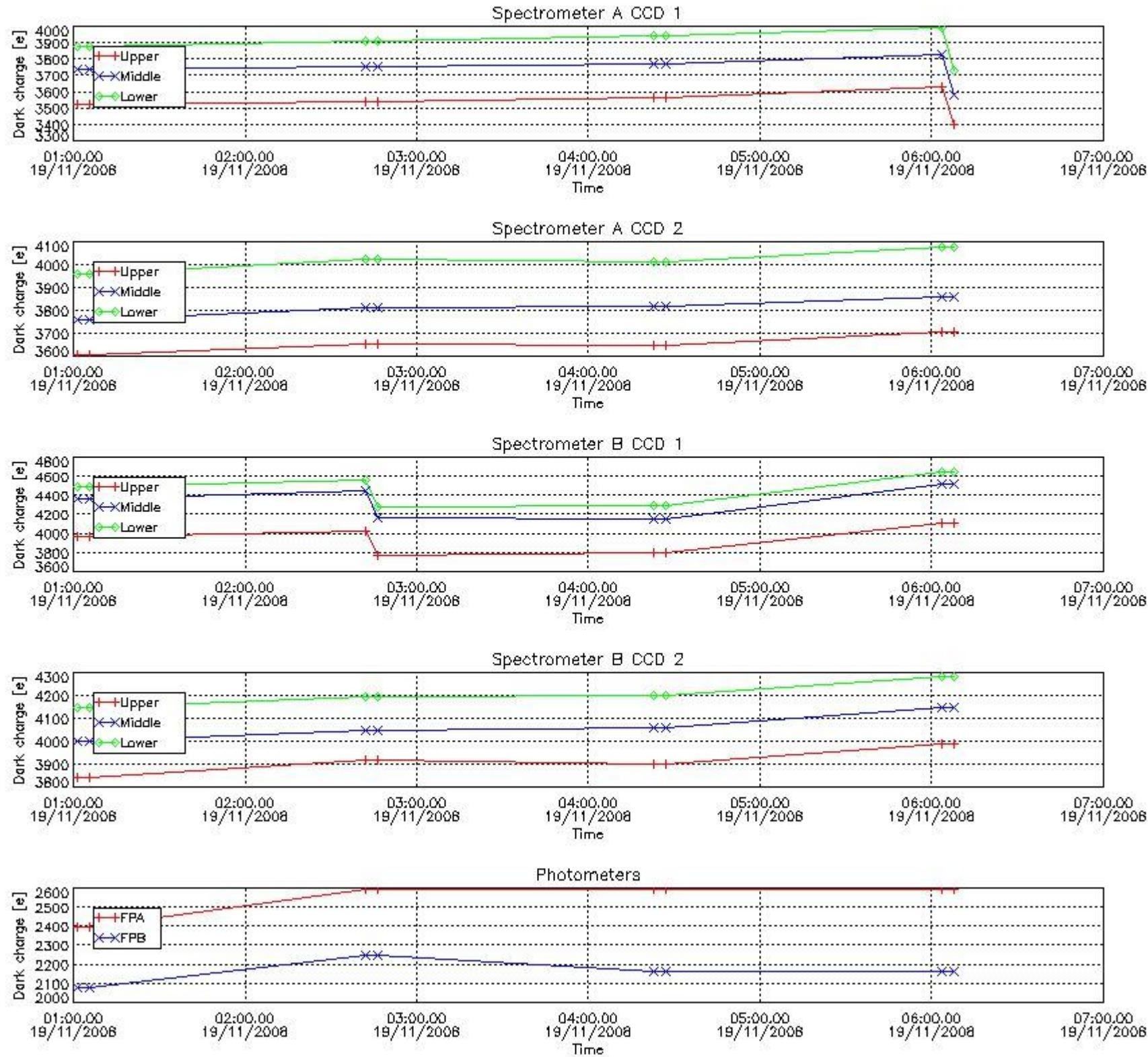
The Dark Charge (DC) is a temperature-dependant signal added to the useful measurements and it is therefore subtracted from them during the processing. There are two phenomena that produce a continuous increase of the DC: the "hot pixels" (a pixel is "hot" when its DC exceeds by a significant amount its value measured on ground at the same temperature) and the "Random Telegraphic Signal" (abrupt change positive or negative of the CCD pixel signal, random in time, affecting only the DC part of the signal and not the photon generated signal).

In this section a list of products that did not use the Dark Sky Area (DSA) observation for the DC computation is given. It is also provided the mean DC plot per product for dark limb products with no error flag set.

##### 4.1 All products used the DSA observation for the DC computation

##### 4.2 Plot of mean dark charges per product: only products in DARK limb conditions without errors are used





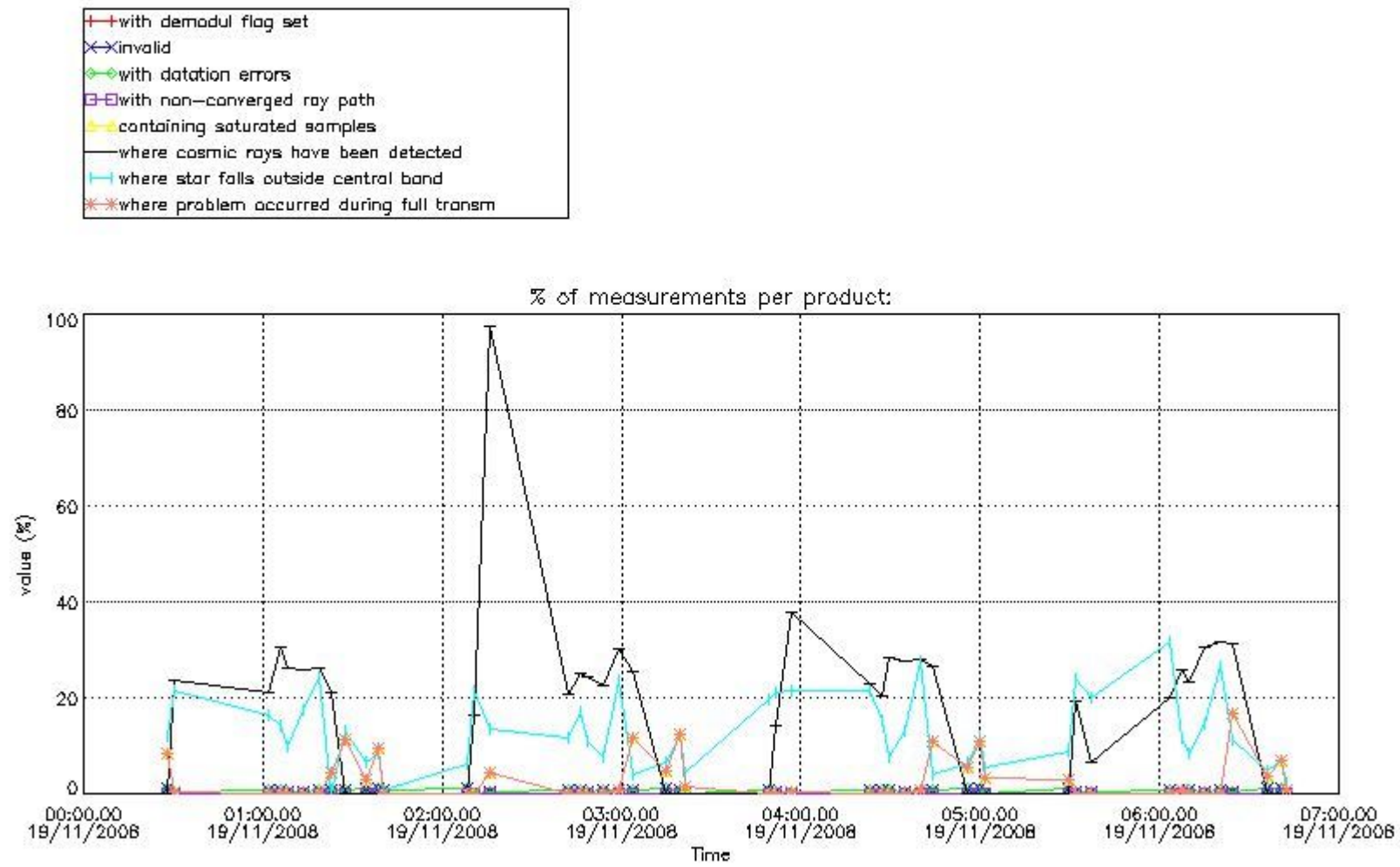
## 5. Demodulation flag and quality information monitoring

In this section it is presented the modulation information extracted from the pcd (product confidence data) at measurement level and information extracted from the Quality Summary dataset. Only products without errors (error flag in the MPH set to "0") are used.

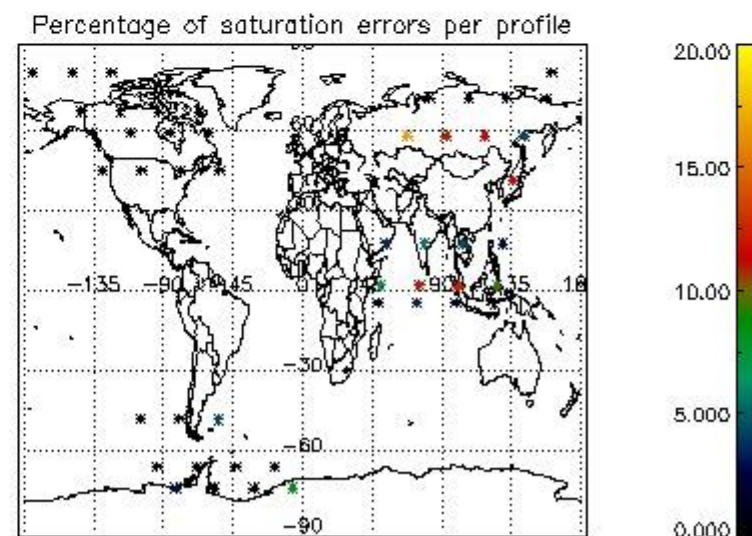
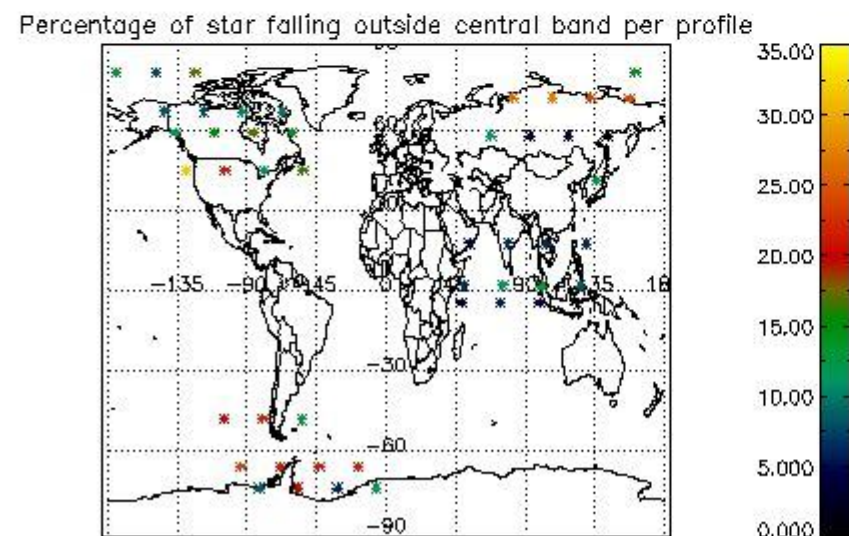
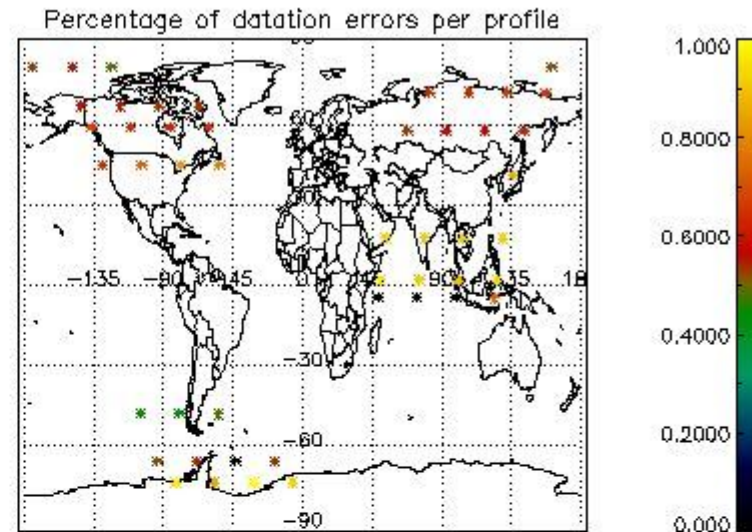
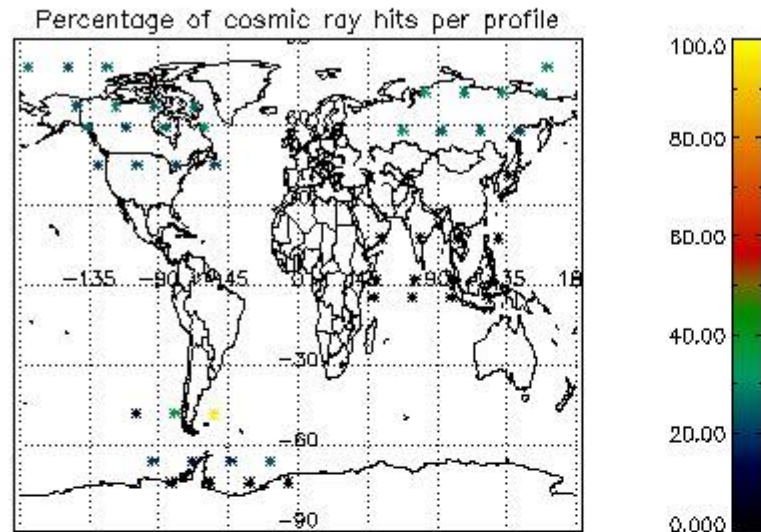
### 5.1 Percentage of products during reporting period with:

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

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



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



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

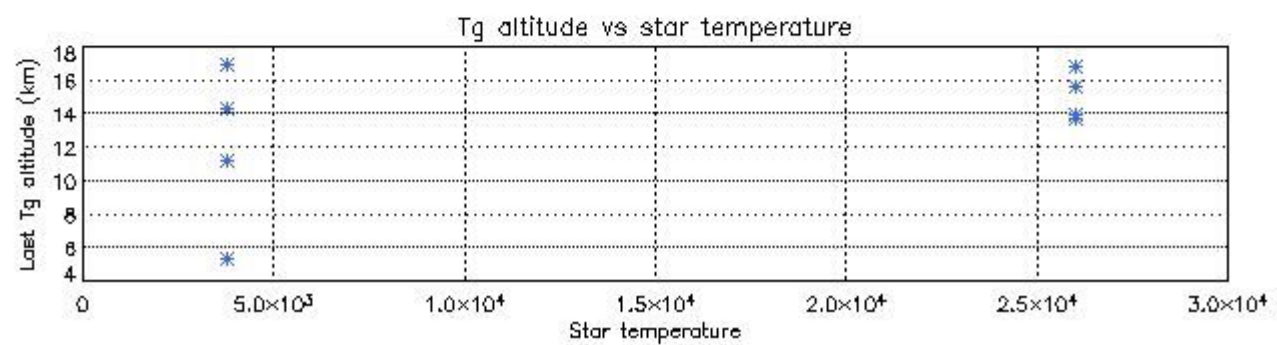
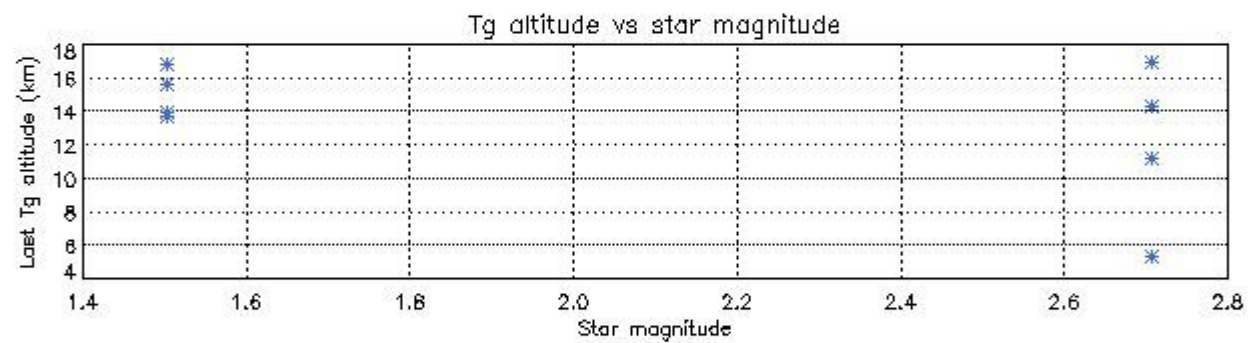
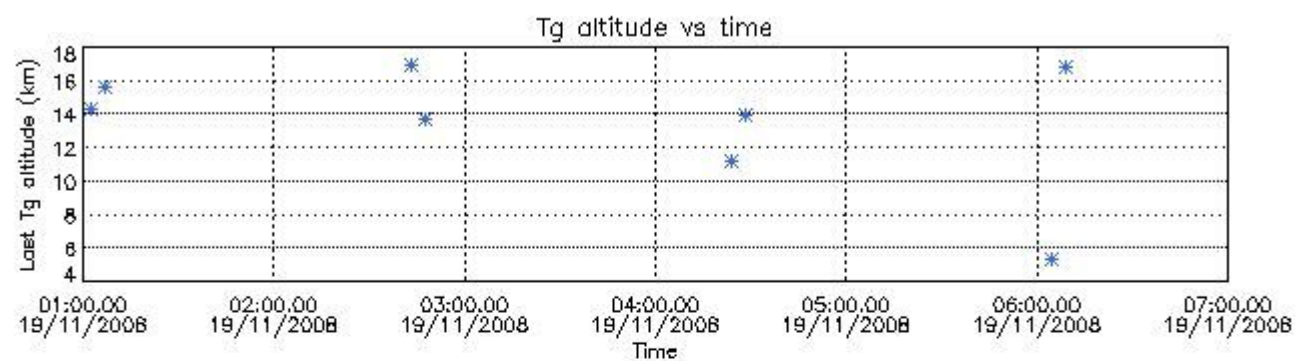
### 6.1 Statistics on tangent altitude lost:

Statistics	DARK	BRIGHT	TWILIGHT
Mean:	13.466	20.329	NaN
St. deviation:	3.7723	3.8522	NaN
Maximum:	16.864	27.928	NaN
Minimum:	5.3418	12.698	NaN
Number of data:	8.0000	21.000	NaN

### 6.2 Plot for DARK limb products



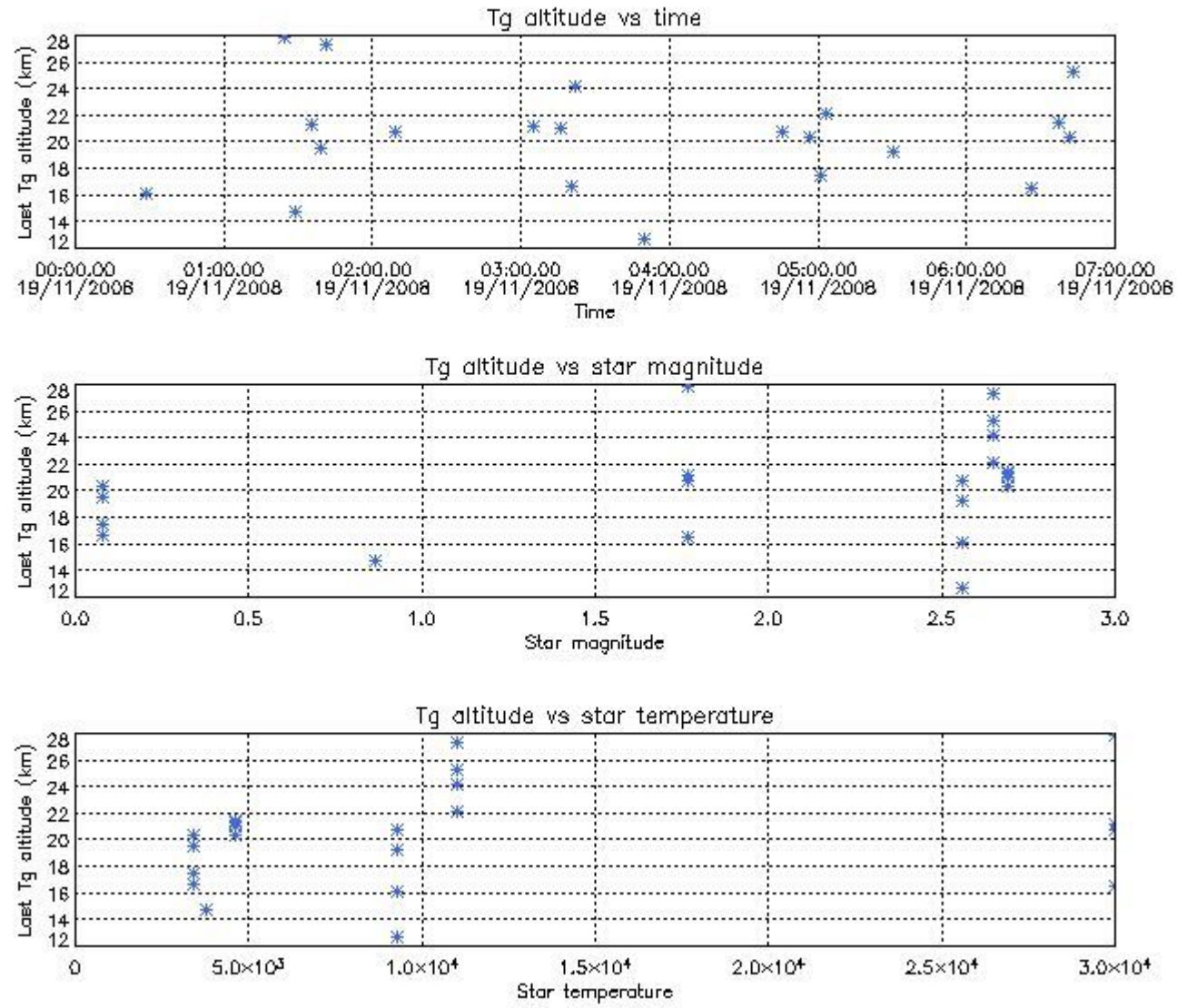
Tangent altitude at which the star is lost



6.3 Plot for BRIGHT limb products



## Tangent altitude at which the star is lost

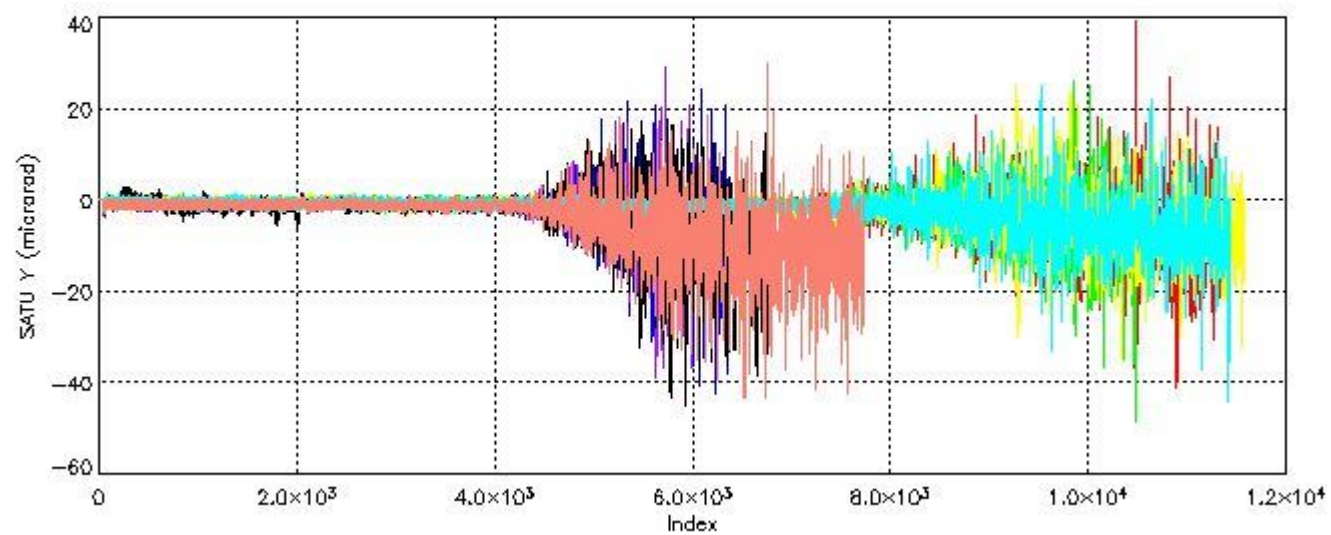
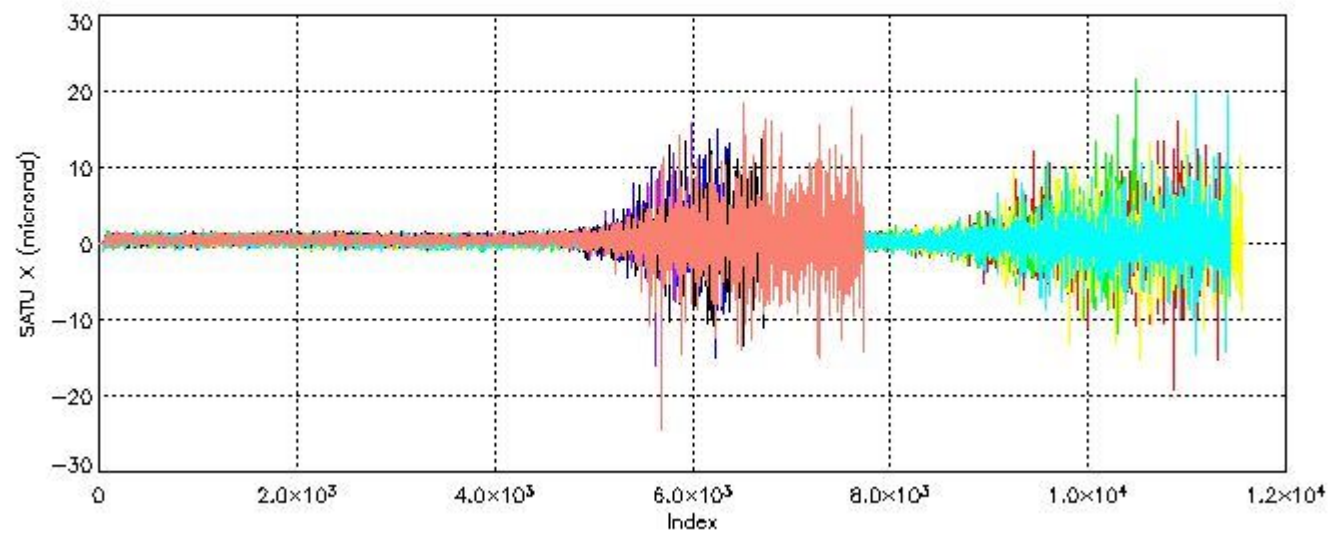


## 7. Star Acquisition and Tracking Unit (SATU)

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:	0.52326	-0.93966	0.38389	-1.0246
St. deviation:	0.42546	1.0990	0.72048	1.2720
Maximum:	2.4000	6.9000	5.5000	5.4000
Minimum:	-1.1000	-6.8000	-6.1000	-7.9000

Number of data:	12000.	12000.	31900.	31900.
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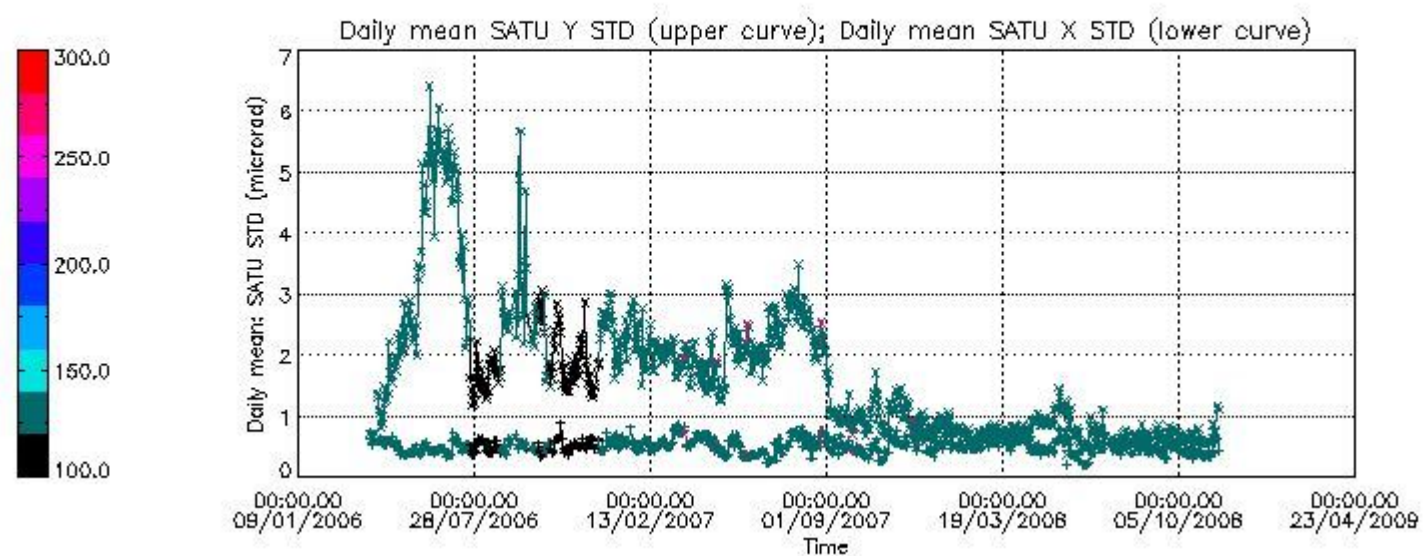
### 7.2.2 Trend of daily SATU NEA St. deviation since 1st April 2006 (dark limb)

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

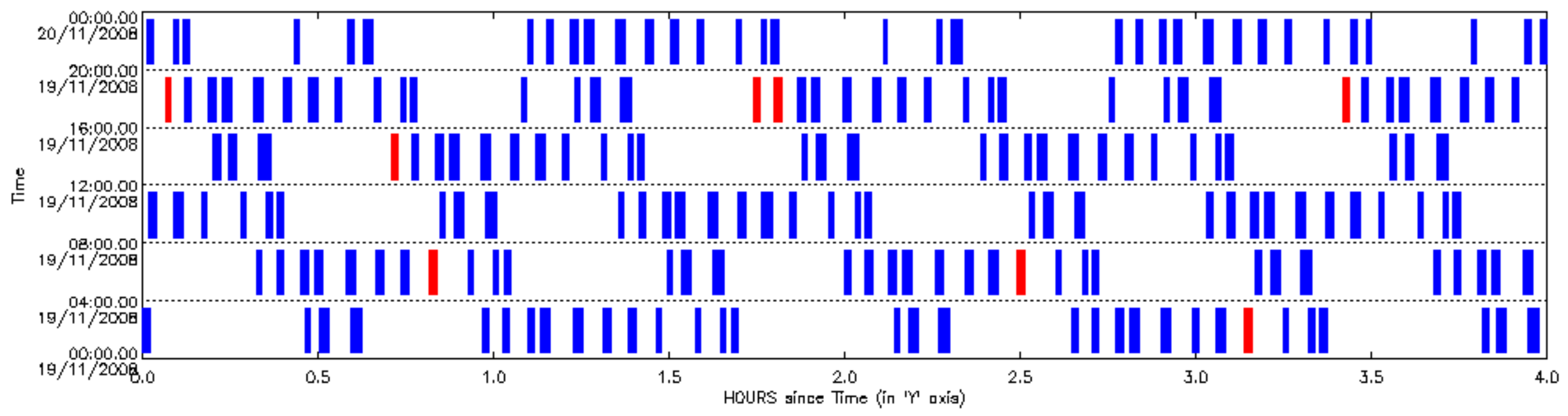


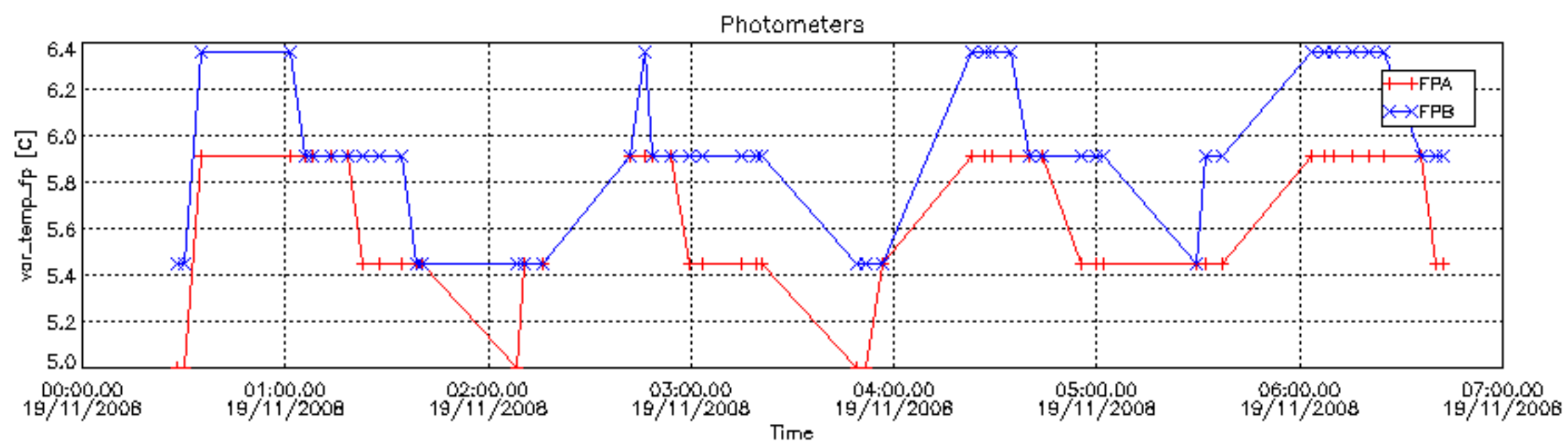
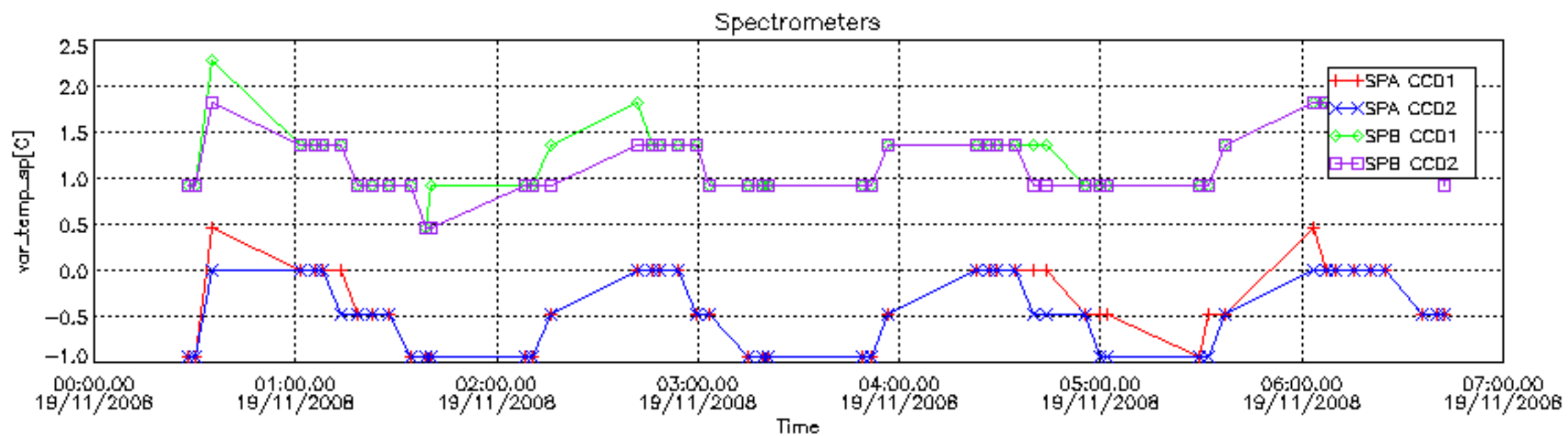
### 8. Auxiliary Data Files used for the production reported in section 2.4

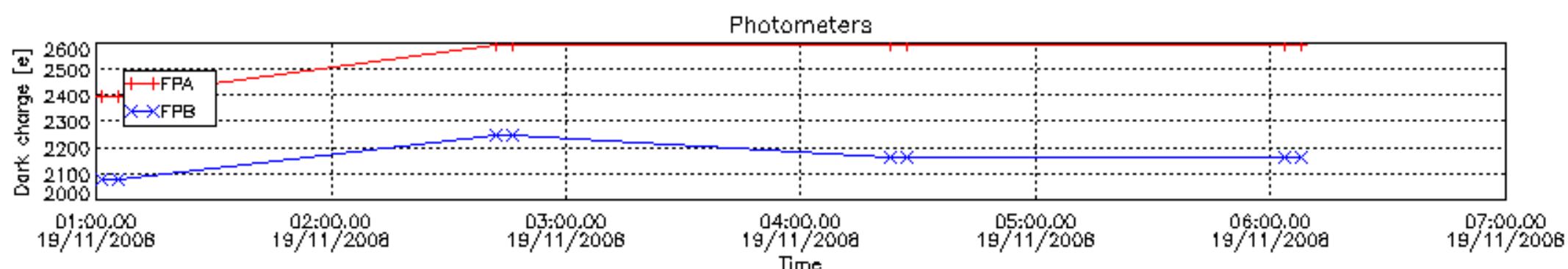
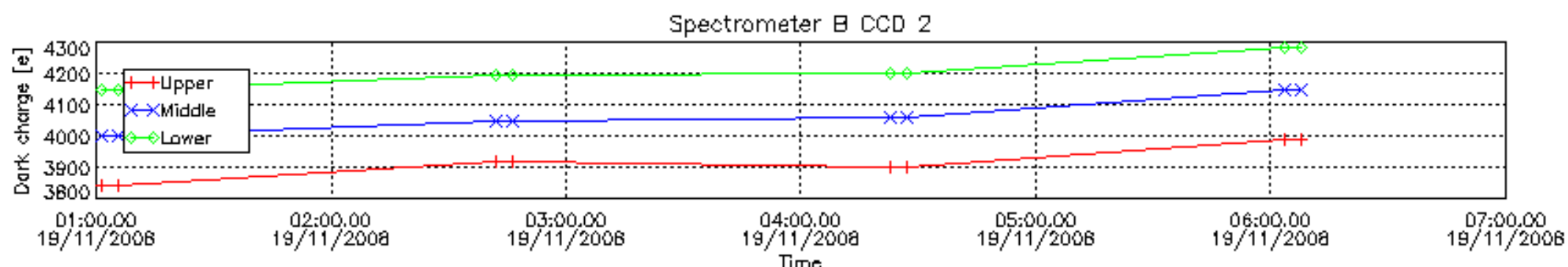
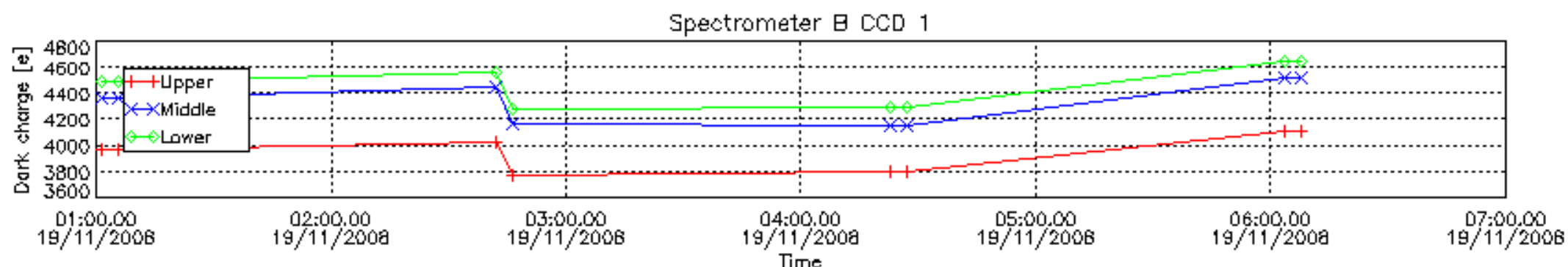
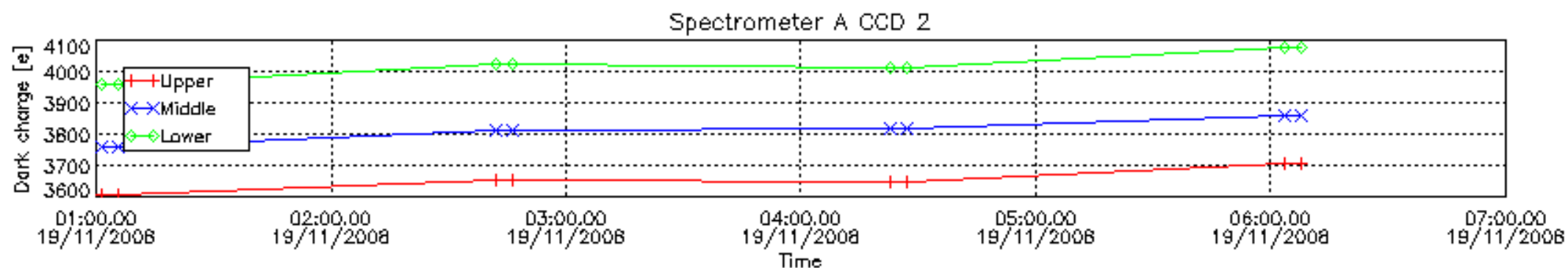
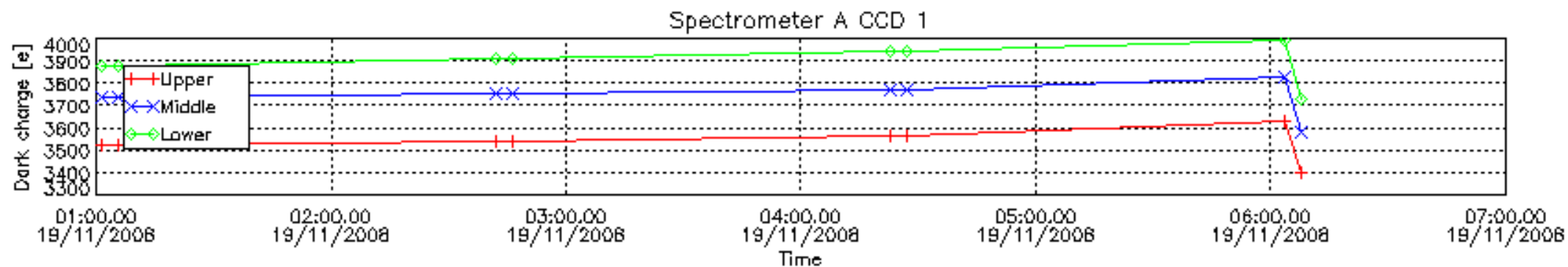
The number reported in the third column indicates since which file (see list in section 2.4) the corresponding auxiliary file has been used. The fourth column is the date of those product files.

Type	Auxiliary Filename	Used since product	Used since product date
INST_PHYS_CHARACTERISTICS	GOM_INS_AXNIEC20050627_150713_20030716_120000_20100101_000000	1	19-NOV-2008 00:27:47
CALIBRATION_DATABASE	GOM_CAL_AXVIEC20081117_091129_20081115_000000_20100101_000000	1	19-NOV-2008 00:27:47
LEVEL-1B_PROC_CONFIG	GOM_PR1_AXNIEC20050627_151042_20020301_000000_20100101_000000	1	19-NOV-2008 00:27:47
STAR_CATALOGUE	GOM_CAT_AXVIEC20020121_161009_20020101_000000_20200101_000000	1	19-NOV-2008 00:27:47
STELLAR_SPECTRA_DATABANK	GOM_STS_AXNIEC20040308_103538_20020101_160000_20100101_000000	1	19-NOV-2008 00:27:47
ECMWF_FILE	AUX_ECF_AXNECM20081118_072112_20081118_210000_20081119_090000	1	19-NOV-2008 00:27:47
ECMWF_FILE	AUX_ECF_AXNECM20081118_192113_20081119_030000_20081119_150000	26	19-NOV-2008 03:48:59
OPTIONAL_ECMWF_FILE	MISSING	1	19-NOV-2008 00:27:47
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20081118_210939_000060572074_00014_35138_6793.N1	1	19-NOV-2008 00:27:47
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20081118_225555_000054192074_00015_35139_6794.N1	3	19-NOV-2008 00:35:24
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20081119_003133_000057382074_00016_35140_6795.N1	16	19-NOV-2008 02:16:02
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20081119_021230_000041442074_00017_35141_6796.N1	26	19-NOV-2008 03:48:59
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20081119_032653_000057382074_00018_35142_6797.N1	38	19-NOV-2008 05:29:36

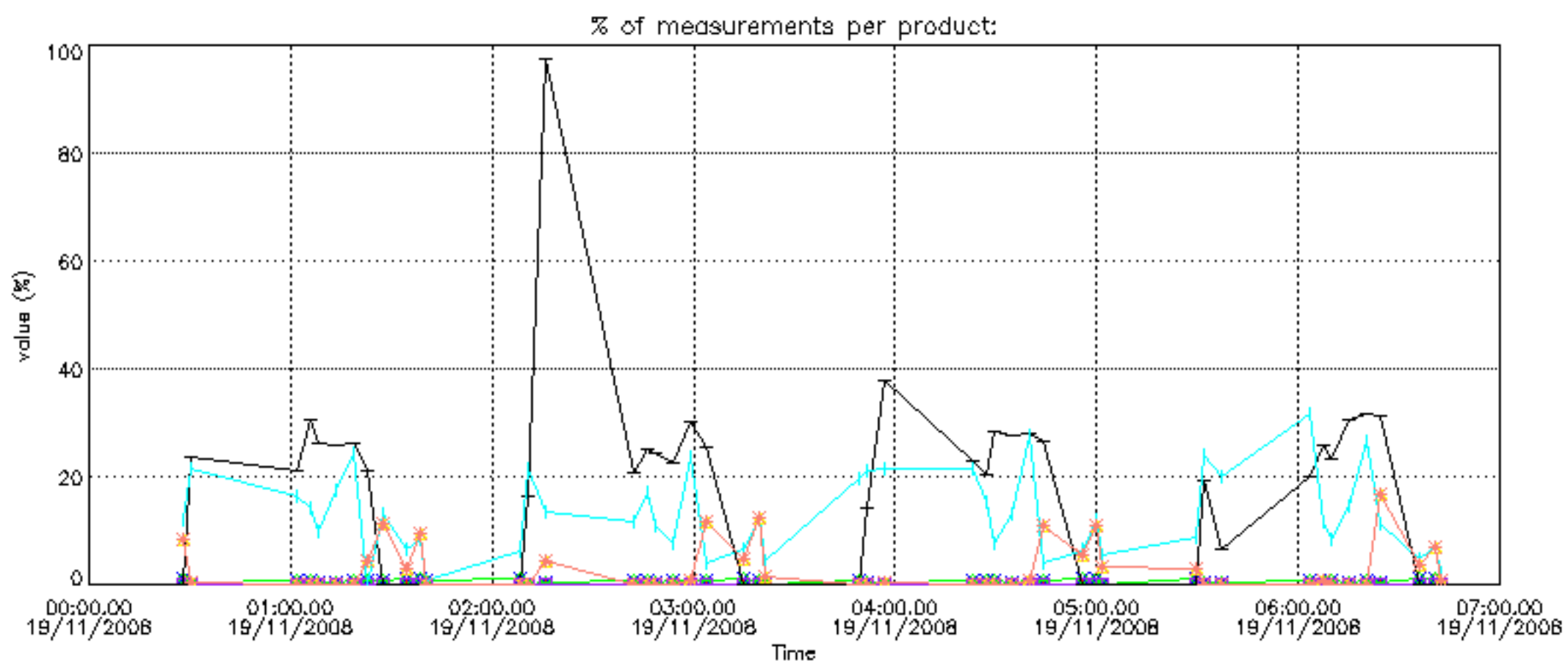




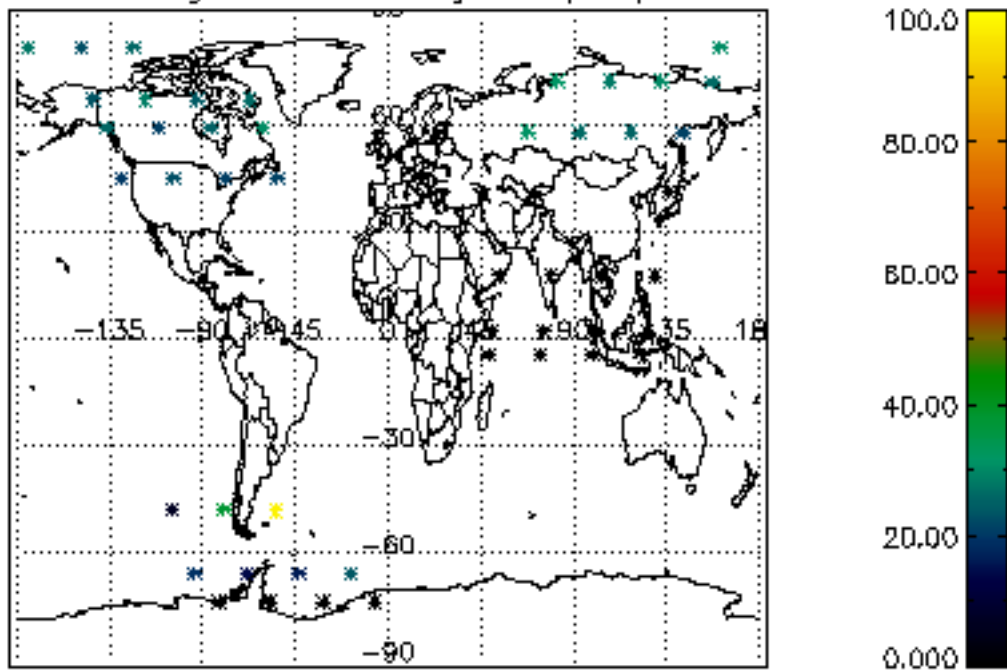




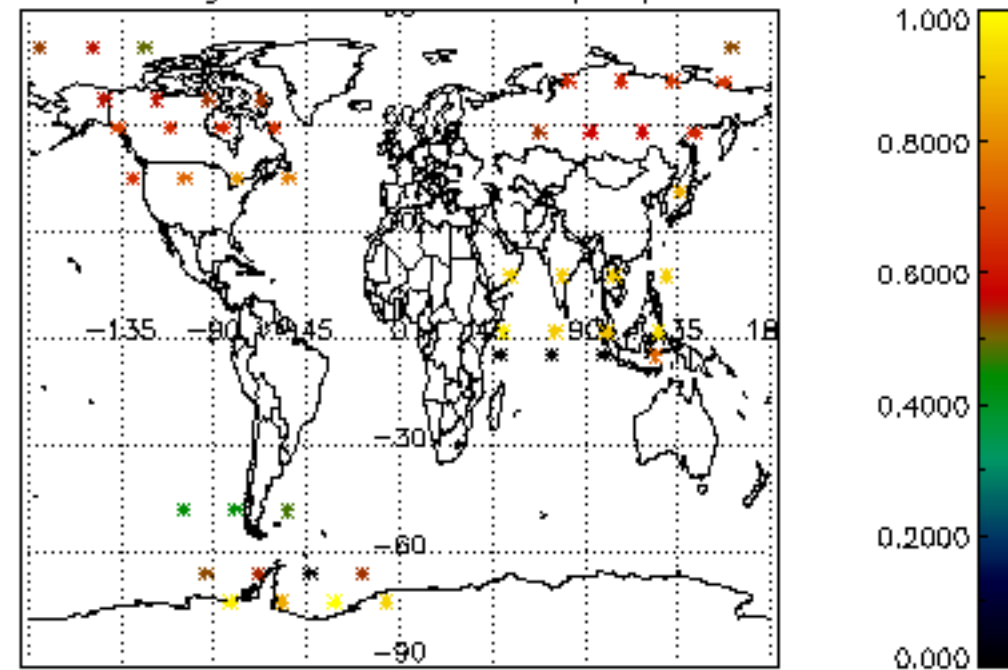




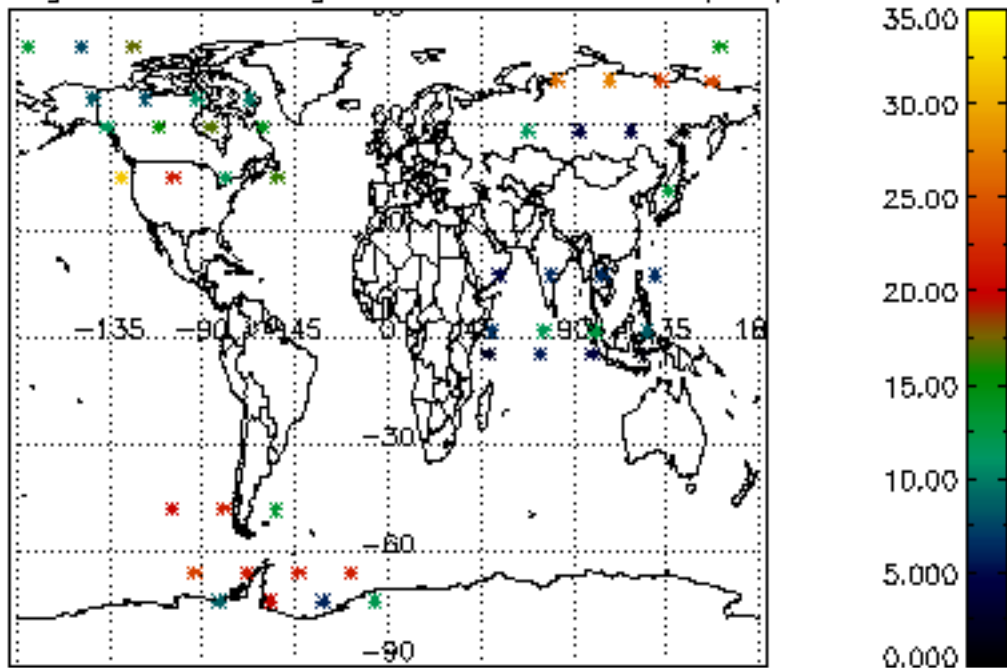
Percentage of cosmic ray hits per profile



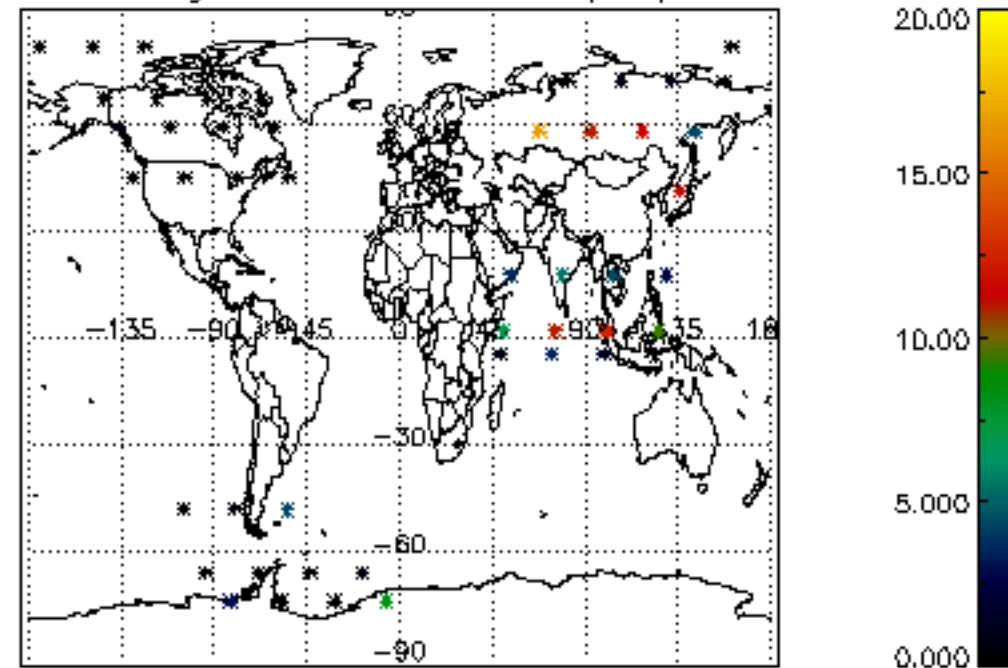
Percentage of datation errors per profile



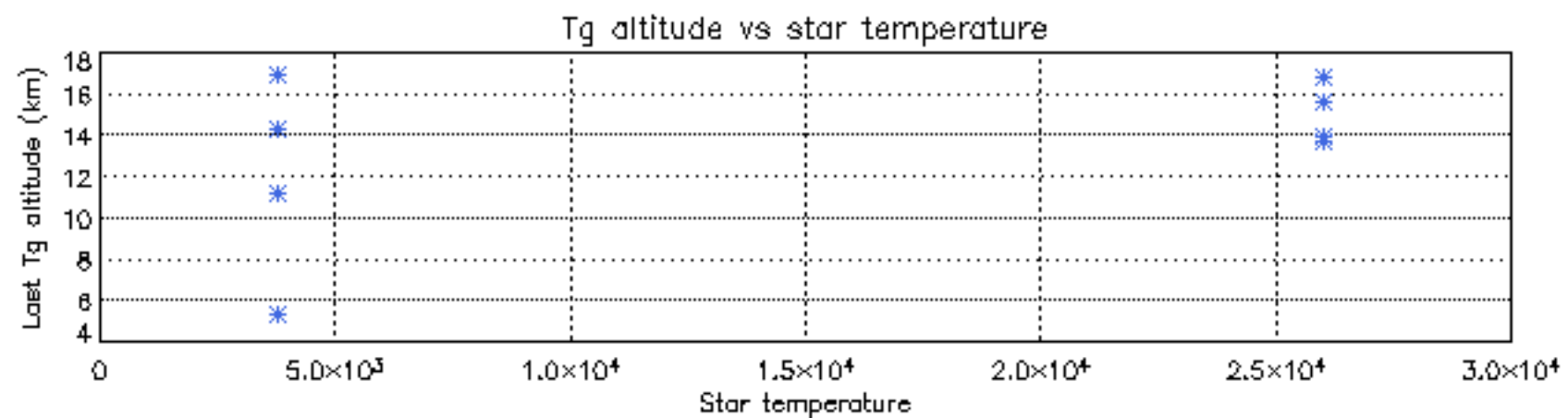
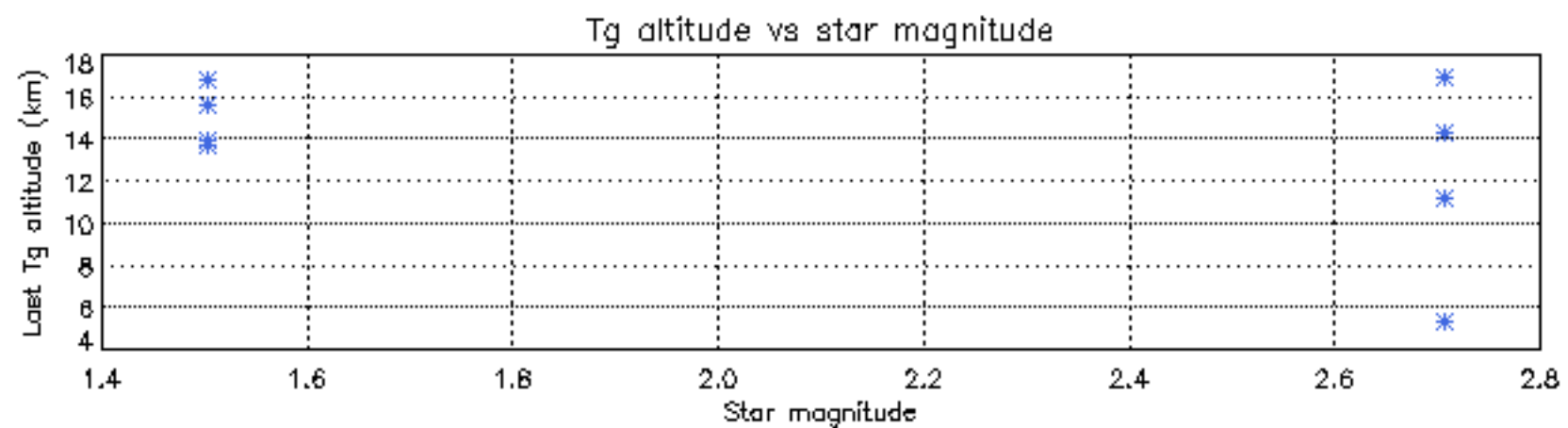
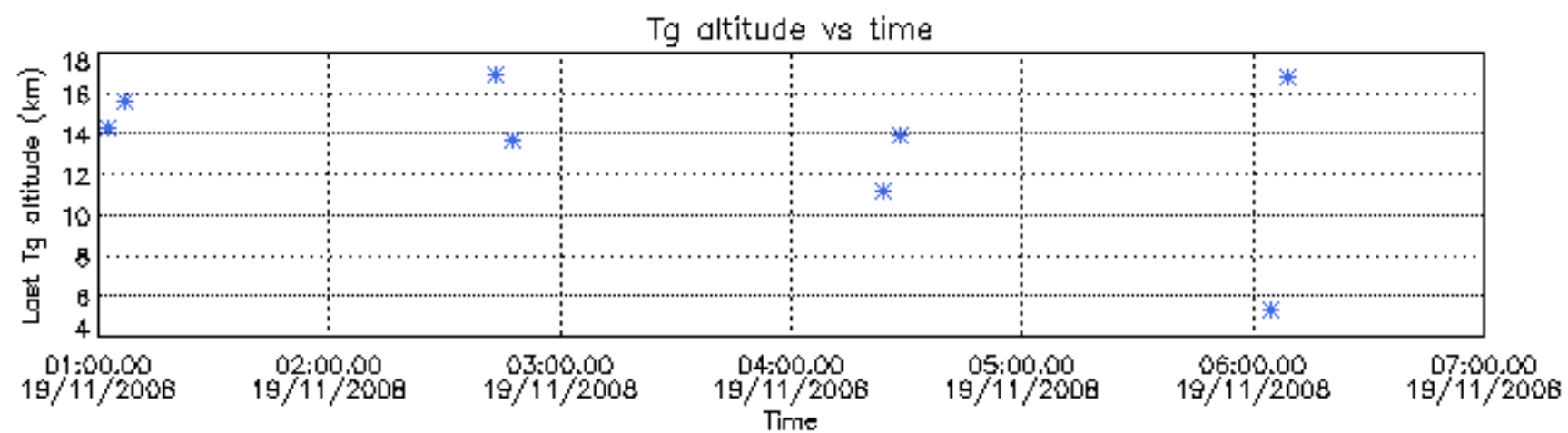
Percentage of star falling outside central band per profile



Percentage of saturation errors per profile

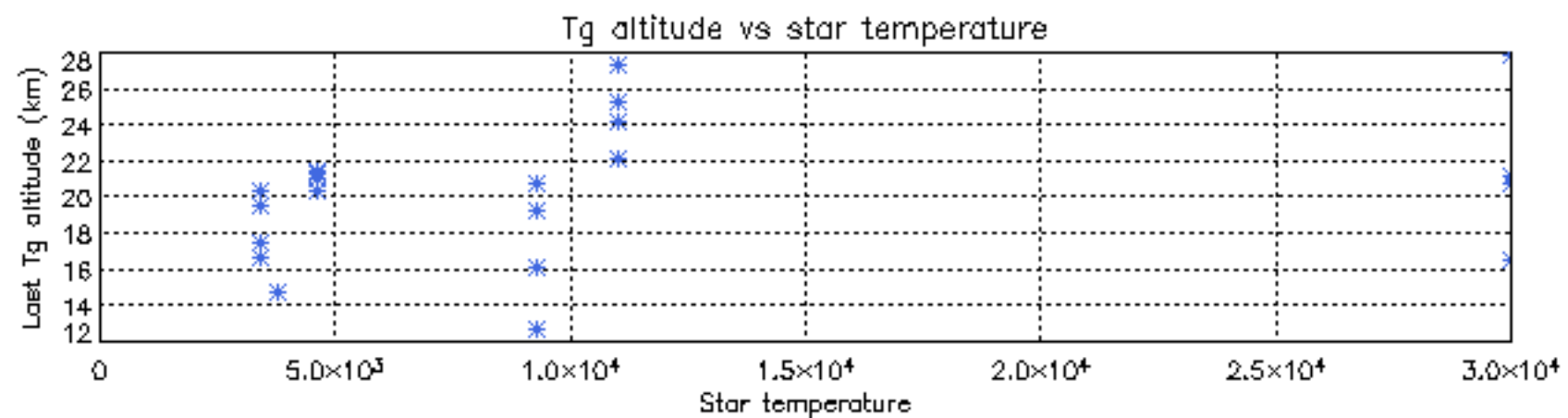
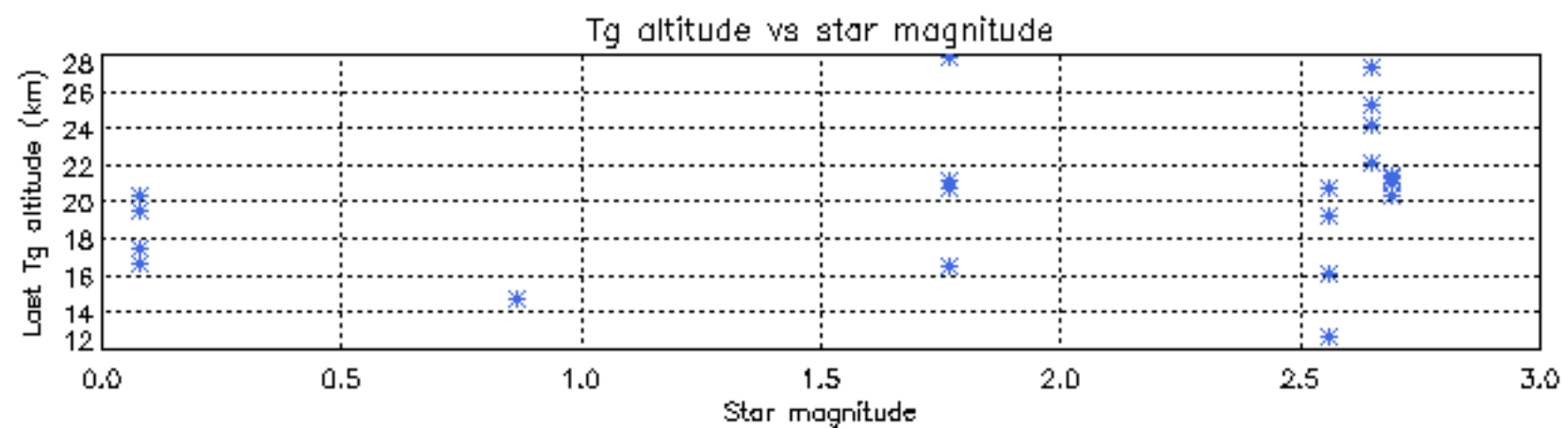
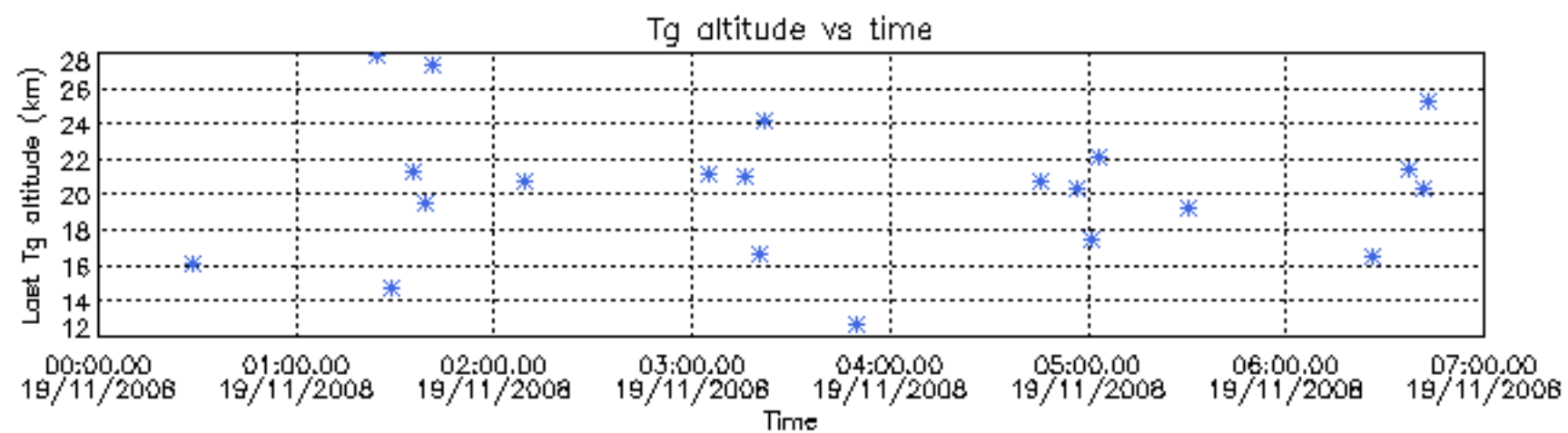


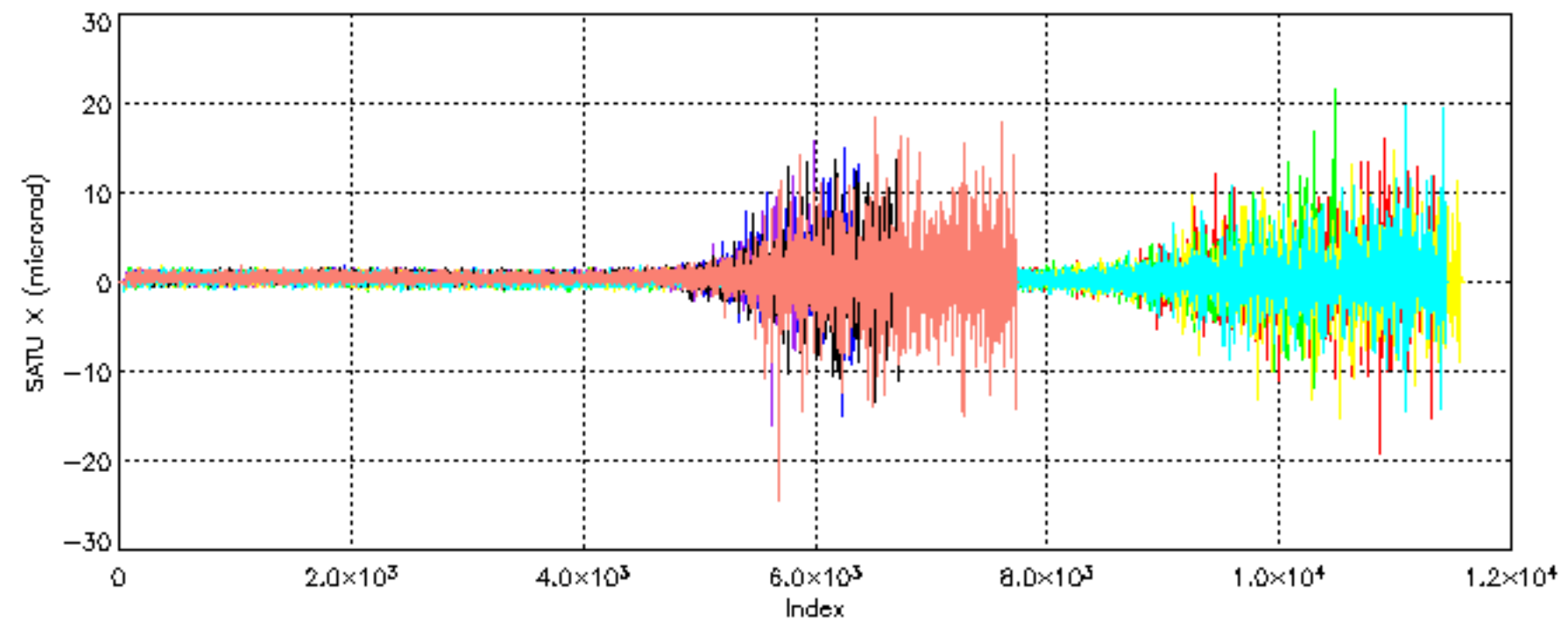
Tangent altitude at which the star is lost

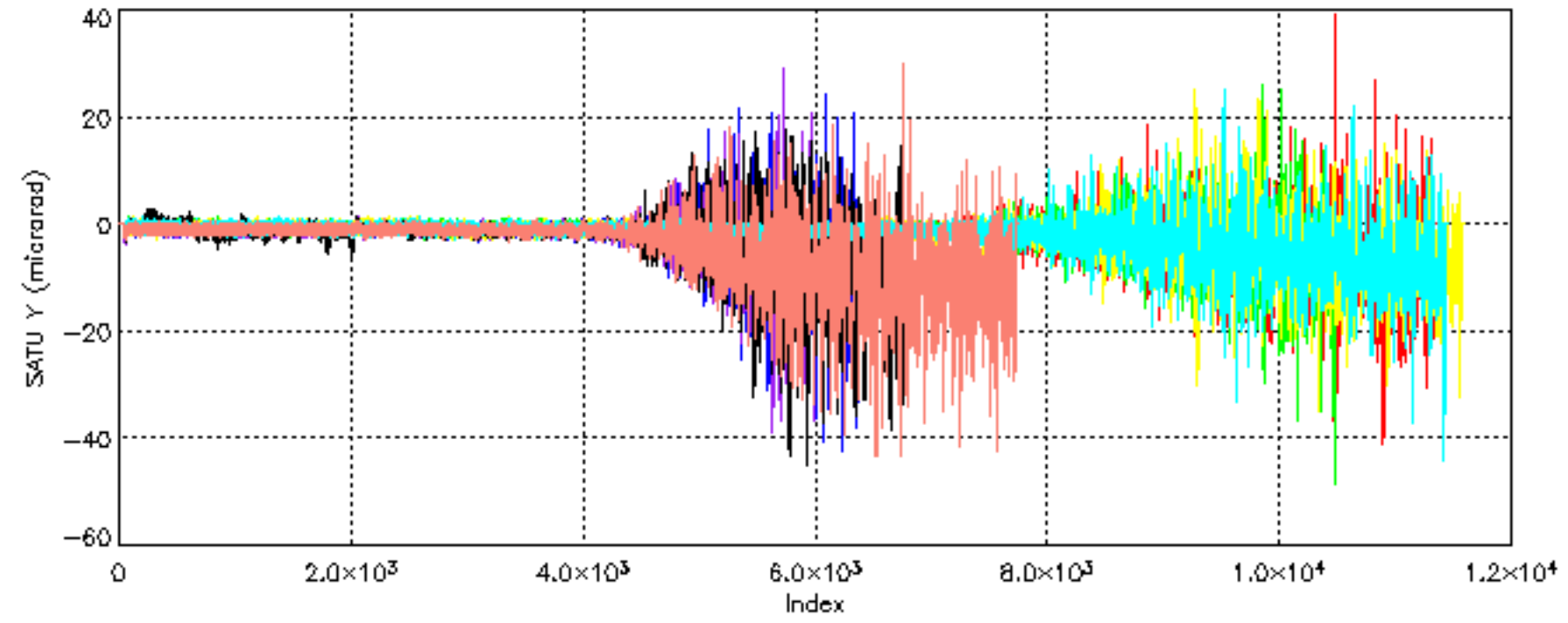




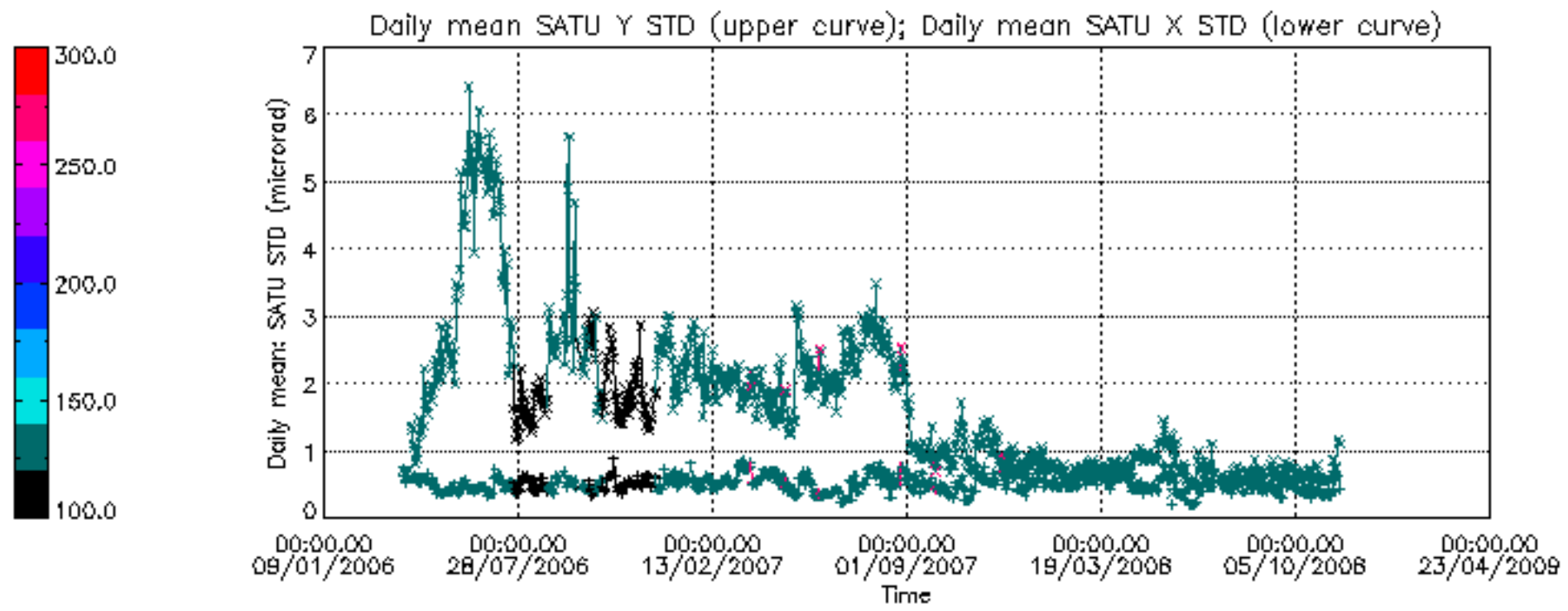
Tangent altitude at which the star is lost











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 3; 1024.0; 01-NOV-2008 05:33:26; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;34886  
 4; 1133.1; 01-NOV-2008 05:35:15; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;34886  
 5; 1508.8; 01-NOV-2008 05:41:30; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;34886  
 6; 1878.7; 01-NOV-2008 05:47:40; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;34886  
 7; 2264.3; 01-NOV-2008 05:54:06; Bright; 59.5; 0; ; 0.00; 0;occ; 119; 0;34886  
 8; 2577.0; 01-NOV-2008 05:59:18; Bright; 58.5; 0; ; 0.00; 0;occ; 117; 0;34886  
 9; 3111.1; 01-NOV-2008 06:08:13; Bright; 59.5; 0; ; 0.00; 0;occ; 119; 0;34886  
 10; 3386.3; 01-NOV-2008 06:12:48; Bright; 59.5; 0; ; 0.00; 0;occ; 119; 0;34886  
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 2; 2271.2; 01-NOV-2008 20:59:36; Bright; 37.5; 105; 6Bet Ari ; 2.64; 8900;occ; 75; 0;34895  
 3; 2514.1; 01-NOV-2008 21:03:39; Bright; 37.5; 53; 43Bet And ; 2.05; 3300;occ; 75; 0;34895  
 4; 2656.8; 01-NOV-2008 21:06:02; Bright; 38.5; 73; 57Gam1And ; 2.26; 13100;occ; 77; 0;34895  
 5; 2868.1; 01-NOV-2008 21:09:33; Bright; 36.0; 68; 18Alp Cas ; 2.22; 4500;occ; 72; 0;34895  
 6; 2938.5; 01-NOV-2008 21:10:43; Bright; 36.0; 76; 27Gam Cas ; 2.30; 30000;occ; 72; 0;34895  
 7; 3423.5; 01-NOV-2008 21:18:48; Bright; 37.0; 49; 1Alp UMi ; 1.99; 6300;occ; 74; 0;34895  
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 9; 4007.6; 01-NOV-2008 21:28:33; Bright; 49.5; 82; 48Bet UMa ; 2.37; 10600;occ; 99; 0;34895  
 10; 4229.7; 01-NOV-2008 21:32:15; Bright; 57.0; 174; 52Psi UMa ; 3.00; 4400;occ; 114; 0;34895  
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 3; 147.1; 01-NOV-2008 22:04:48; Dark ; 44.0; 46; Del Vel ; 1.95; 10600;occ; 88; 0;34896  
 4; 226.6; 01-NOV-2008 22:06:07; Dark ; 51.0; 41; Eps Car ; 1.86; 4100;occ; 102; 0;34896  
 5; 537.3; 01-NOV-2008 22:11:18; Dark ; 63.0; 2; Alp Car ; -0.74; 7000;occ; 126; 0;34896  
 6; 1146.9; 01-NOV-2008 22:21:28; Dark ; 39.5; 157; The1Eri ; 2.91; 9300;occ; 79; 0;34896  
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 8; 2514.1; 01-NOV-2008 22:44:15; Bright; 38.0; 53; 43Bet And ; 2.05; 3300;occ; 76; 0;34896  
 9; 2656.5; 01-NOV-2008 22:46:37; Bright; 38.5; 73; 57Gam1And ; 2.26; 13100;occ; 77; 0;34896  
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 13; 3910.6; 01-NOV-2008 23:07:31; Bright; 37.0; 36; 50Alp UMa ; 1.80; 6300;occ; 74; 0;34896  
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 4; 227.1; 01-NOV-2008 23:46:44; Dark ; 41.5; 41; Eps Car ; 1.86; 4100;occ; 83; 0;34897  
 5; 538.1; 01-NOV-2008 23:51:55; Dark ; 48.0; 2; Alp Car ; -0.74; 7000;occ; 96; 0;34897  
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 8; 2514.0; 02-NOV-2008 00:24:51; Bright; 37.0; 53; 43Bet And ; 2.05; 3300;occ; 74; 0;34897  
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 6; -1167.0; 01-NOV-2008 06:37:31; Bright; 59.0; 0; ; 0.00; 0;occ; 118; 0;34886  
 7; 457.3; 01-NOV-2008 07:04:35; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;34887  
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6; 3466.9; 01-NOV-2008 07:54:44; Bright; 59.5; 0; ; 0.00; 0;occ; 119; 0;34887
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3; 2869.5; 01-NOV-2008 09:25:23; Bright; 84.5; 74; 11Bet Cas ; 2.27; 6600;occ; 169; 0;34888
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5; 3857.1; 01-NOV-2008 09:41:50; Bright; 92.0; 36; 50Alp UMa ; 1.80; 6300;occ; 184; 0;34888
6; 4009.4; 01-NOV-2008 09:44:23; Bright; 93.0; 87; 64Gam UMa ; 2.43; 11000;occ; 186; 0;34888
7; 4174.2; 01-NOV-2008 09:47:08; Bright; 93.0; 174; 52Psi UMa ; 3.00; 4400;occ; 186; 0;34888
8; 4619.8; 01-NOV-2008 09:54:33; Bright; 94.0; 96; 68Del Leo ; 2.56; 9300;occ; 188; 0;34888
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8; 3994.7; 09-NOV-2008 15:34:47; Bright; 39.5; 82; 48Bet UMa ; 2.37; 10600;occ; 79; 0;35006
9; 4228.0; 09-NOV-2008 15:38:40; Bright; 39.5; 174; 52Psi UMa ; 3.00; 4400;occ; 79; 0;35006
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 5; 623.3; 10-NOV-2008 00:42:11; Dark ; 48.0; 2; Alp Car ;-0.74; 7000;occ; 96; 0;35012
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16; 4227.5; 10-NOV-2008 01:42:15; Bright; 42.5; 174; 52Psi UMA ; 3.00; 4400;occ; 85; 0;35012
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 6; 1181.7; 10-NOV-2008 02:32:05; Dark ; 40.0; 157; The1Eri ; 2.91; 9300;occ; 80; 0;35013
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 8; 2262.2; 10-NOV-2008 02:50:05; Bright; 37.5; 105; 6Bet Ari ; 2.64; 8900;occ; 75; 0;35013
 9; 2510.4; 10-NOV-2008 02:54:14; Bright; 37.0; 173; 4Bet Tri ; 3.00; 8900;occ; 74; 0;35013
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 2; -646.7; 10-NOV-2008 23:49:24; Dark ; 42.0; 171; 2Eps Crv ; 3.00; 4250;occ; 84; 0;35025  
 3; -101.1; 10-NOV-2008 23:58:29; Dark ; 39.5; 113; Mu Vel ; 2.69; 5000;occ; 79; 0;35025  
 4; 167.7; 11-NOV-2008 00:02:58; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;35026  
 5; 260.8; 11-NOV-2008 00:04:31; Dark ; 39.0; 29; Bet Car ; 1.67; 10200;occ; 78; 0;35026  
 6; 633.3; 11-NOV-2008 00:10:44; Dark ; 49.0; 2; Alp Car ;-0.74; 7000;occ; 98; 0;35026  
 7; 1184.9; 11-NOV-2008 00:19:55; Dark ; 38.5; 157; The1Eri ; 2.91; 9300;occ; 77; 0;35026  
 8; 1980.9; 11-NOV-2008 00:33:11; Dark ; 51.0; 94; 92Alp Cet ; 2.53; 3100;occ; 102; 0;35026  
 9; 2262.2; 11-NOV-2008 00:37:53; Bright; 38.0; 105; 6Bet Ari ; 2.64; 8900;occ; 76; 0;35026  
 10; 2509.0; 11-NOV-2008 00:41:59; Bright; 36.5; 173; 4Bet Tri ; 3.00; 8900;occ; 73; 0;35026  
 11; 2632.7; 11-NOV-2008 00:44:03; Bright; 39.0; 73; 57Gam1And ; 2.26; 13100;occ; 78; 0;35026  
 12; 2841.4; 11-NOV-2008 00:47:32; Bright; 40.5; 35; 33Alp Per ; 1.79; 6250;occ; 81; 0;35026  
 13; 2930.0; 11-NOV-2008 00:49:00; Bright; 33.0; 110; 37Del Cas ; 2.68; 8900;occ; 66; 0;35026  
 14; 3422.7; 11-NOV-2008 00:57:13; Bright; 35.0; 49; 1Alp UMi ; 1.99; 6300;occ; 70; 0;35026  
 15; 3676.2; 11-NOV-2008 01:01:27; Bright; 35.5; 60; 7Bet UMi ; 2.08; 3950;occ; 71; 0;35026  
 16; 3893.4; 11-NOV-2008 01:05:04; Bright; 40.0; 36; 50Alp UMa ; 1.80; 6300;occ; 80; 0;35026  
 17; 3991.5; 11-NOV-2008 01:06:42; Bright; 59.0; 82; 48Bet UMa ; 2.37; 10600;occ; 118; 0;35026  
 18; 4226.9; 11-NOV-2008 01:10:37; Bright; 41.5; 174; 52Psi UMa ; 3.00; 4400;occ; 83; 0;35026  
 19; 4321.8; 11-NOV-2008 01:12:12; Bright; 34.5; 152; 12Alp2CVn ; 2.89; 11000;occ; 69; 0;35026  
 20; 4788.0; 11-NOV-2008 01:19:58; Bright; 38.0; 62; 94Bet Leo ; 2.14; 9700;occ; 76; 0;35026

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 2; -2140.7; 10-NOV-2008 06:38:30; Bright; 38.0; 36; 50Alp UMa ; 1.80; 6300;occ; 76; 0;35015  
 3; -2042.8; 10-NOV-2008 06:40:08; Bright; 40.0; 82; 48Bet UMa ; 2.37; 10600;occ; 80; 0;35015  
 4; -1808.5; 10-NOV-2008 06:44:03; Bright; 61.0; 174; 52Psi UMa ; 3.00; 4400;occ; 122; 0;35015  
 5; -1715.4; 10-NOV-2008 06:45:36; Bright; 34.5; 152; 12Alp2CVn ; 2.89; 11000;occ; 69; 0;35015  
 6; -1251.3; 10-NOV-2008 06:53:20; Bright; 37.5; 62; 94Bet Leo ; 2.14; 9700;occ; 75; 0;35015  
 7; -650.4; 10-NOV-2008 07:03:21; Dark ; 40.0; 171; 2Eps Crv ; 3.00; 4250;occ; 80; 0;35015  
 8; -106.5; 10-NOV-2008 07:12:25; Dark ; 41.0; 113; Mu Vel ; 2.69; 5000;occ; 82; 0;35015  
 9; 159.5; 10-NOV-2008 07:16:51; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;35016  
 10; 257.3; 10-NOV-2008 07:18:28; Dark ; 37.0; 29; Bet Car ; 1.67; 10200;occ; 74; 0;35016  
 11; 626.3; 10-NOV-2008 07:24:37; Dark ; 50.5; 2; Alp Car ;-0.74; 7000;occ; 101; 0;35016  
 12; 1182.6; 10-NOV-2008 07:33:54; Dark ; 37.5; 157; The1Eri ; 2.91; 9300;occ; 75; 0;35016

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 2; 2262.5; 10-NOV-2008 07:51:54; Bright; 37.5; 105; 6Bet Ari ; 2.64; 8900;occ; 75; 0;35016  
 3; 2510.2; 10-NOV-2008 07:56:01; Bright; 36.5; 173; 4Bet Tri ; 3.00; 8900;occ; 73; 0;35016  
 4; 2634.0; 10-NOV-2008 07:58:05; Bright; 37.0; 73; 57Gam1And ; 2.26; 13100;occ; 74; 0;35016  
 5; 2877.9; 10-NOV-2008 08:02:09; Bright; 37.0; 68; 18Alp Cas ; 2.22; 4500;occ; 74; 0;35016  
 6; 3422.8; 10-NOV-2008 08:11:14; Bright; 32.5; 49; 1Alp UMi ; 1.99; 6300;occ; 65; 0;35016  
 7; 3675.0; 10-NOV-2008 08:15:26; Bright; 35.5; 60; 7Bet UMi ; 2.08; 3950;occ; 71; 0;35016  
 8; 3895.1; 10-NOV-2008 08:19:06; Bright; 40.0; 36; 50Alp UMa ; 1.80; 6300;occ; 80; 0;35016  
 9; 3993.1; 10-NOV-2008 08:20:44; Bright; 40.5; 82; 48Bet UMa ; 2.37; 10600;occ; 81; 0;35016  
 10; 4227.5; 10-NOV-2008 08:24:39; Bright; 42.0; 174; 52Psi UMa ; 3.00; 4400;occ; 84; 0;35016  
 11; 4320.6; 10-NOV-2008 08:26:12; Bright; 33.5; 152; 12Alp2CVn ; 2.89; 11000;occ; 67; 0;35016  
 12; 4784.9; 10-NOV-2008 08:33:56; Bright; 36.5; 62; 94Bet Leo ; 2.14; 9700;occ; 73; 0;35016  
 13; 5385.9; 10-NOV-2008 08:43:57; Dark ; 42.0; 171; 2Eps Crv ; 3.00; 4250;occ; 84; 0;35016  
 14; 5930.0; 10-NOV-2008 08:53:01; Dark ; 40.0; 113; Mu Vel ; 2.69; 5000;occ; 80; 0;35016  
 15; 6196.2; 10-NOV-2008 08:57:27; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;35016  
 16; 6293.6; 10-NOV-2008 08:59:05; Dark ; 39.0; 29; Bet Car ; 1.67; 10200;occ; 78; 0;35016  
 17; 6662.9; 10-NOV-2008 09:05:14; Dark ; 46.5; 2; Alp Car ;-0.74; 7000;occ; 93; 0;35016  
 18; 7218.9; 10-NOV-2008 09:14:30; Dark ; 38.5; 157; The1Eri ; 2.91; 9300;occ; 77; 0;35016

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 2; 2262.4; 10-NOV-2008 09:32:29; Bright; 37.5; 105; 6Bet Ari ; 2.64; 8900;occ; 75; 0;35017  
 3; 2510.0; 10-NOV-2008 09:36:37; Bright; 35.0; 173; 4Bet Tri ; 3.00; 8900;occ; 70; 0;35017  
 4; 2633.9; 10-NOV-2008 09:38:41; Bright; 36.5; 73; 57Gam1And ; 2.26; 13100;occ; 73; 0;35017  
 5; 2877.9; 10-NOV-2008 09:42:45; Bright; 35.0; 68; 18Alp Cas ; 2.22; 4500;occ; 70; 0;35017  
 6; 3422.8; 10-NOV-2008 09:51:50; Bright; 34.5; 49; 1Alp UMi ; 1.99; 6300;occ; 69; 0;35017  
 7; 3675.1; 10-NOV-2008 09:56:02; Bright; 36.0; 60; 7Bet UMi ; 2.08; 3950;occ; 72; 0;35017  
 8; 3894.9; 10-NOV-2008 09:59:42; Bright; 37.5; 36; 50Alp UMa ; 1.80; 6300;occ; 75; 0;35017  
 9; 3993.0; 10-NOV-2008 10:01:20; Bright; 38.0; 82; 48Bet UMa ; 2.37; 10600;occ; 76; 0;35017  
 10; 4227.4; 10-NOV-2008 10:05:15; Bright; 46.0; 174; 52Psi UMa ; 3.00; 4400;occ; 92; 0;35017  
 11; 4320.7; 10-NOV-2008 10:06:48; Bright; 33.5; 152; 12Alp2CVn ; 2.89; 11000;occ; 67; 0;35017  
 12; 4785.2; 10-NOV-2008 10:14:32; Bright; 40.0; 62; 94Bet Leo ; 2.14; 9700;occ; 80; 0;35017  
 13; 5386.2; 10-NOV-2008 10:24:33; Dark ; 42.0; 171; 2Eps Crv ; 3.00; 4250;occ; 84; 0;35017  
 14; 5930.5; 10-NOV-2008 10:33:38; Dark ; 40.5; 113; Mu Vel ; 2.69; 5000;occ; 81; 0;35017

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15; 6197.0; 10-NOV-2008 10:38:04; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;35017
16; 6293.9; 10-NOV-2008 10:39:41; Dark ; 37.5; 29; Bet Car ; 1.67; 10200;occ; 75; 0;35017
17; 6663.5; 10-NOV-2008 10:45:51; Dark ; 47.5; 2; Alp Car ; -0.74; 7000;occ; 95; 0;35017
18; 7219.1; 10-NOV-2008 10:55:06; Dark ; 38.5; 157; The1Eri ; 2.91; 9300;occ; 77; 0;35017
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 3; 2509.8; 10-NOV-2008 11:17:13; Bright; 37.5; 173; 4Bet Tri ; 3.00; 8900;occ; 75; 0;35018
 4; 2633.8; 10-NOV-2008 11:19:17; Bright; 37.5; 73; 57Gam1And ; 2.26; 13100;occ; 75; 0;35018
 5; 2878.1; 10-NOV-2008 11:23:21; Bright; 34.5; 68; 18Alp Cas ; 2.22; 4500;occ; 69; 0;35018
 6; 3422.7; 10-NOV-2008 11:32:26; Bright; 36.5; 49; 1Alp UMi ; 1.99; 6300;occ; 73; 0;35018
 7; 3675.2; 10-NOV-2008 11:36:38; Bright; 37.0; 60; 7Bet UMi ; 2.08; 3950;occ; 74; 0;35018
 8; 3894.7; 10-NOV-2008 11:40:18; Bright; 39.0; 36; 50Alp UMa ; 1.80; 6300;occ; 78; 0;35018
 9; 3992.8; 10-NOV-2008 11:41:56; Bright; 41.5; 82; 48Bet UMa ; 2.37; 10600;occ; 83; 0;35018
10; 4227.4; 10-NOV-2008 11:45:50; Bright; 39.5; 174; 52Psi UMa ; 3.00; 4400;occ; 79; 0;35018
11; 4320.8; 10-NOV-2008 11:47:24; Bright; 33.0; 152; 12Alp2CVn ; 2.89; 11000;occ; 66; 0;35018
12; 4785.5; 10-NOV-2008 11:55:08; Bright; 37.5; 62; 94Bet Leo ; 2.14; 9700;occ; 75; 0;35018
13; 5386.6; 10-NOV-2008 12:05:10; Dark ; 38.5; 171; 2Eps Crv ; 3.00; 4250;occ; 77; 0;35018
14; 5931.0; 10-NOV-2008 12:14:14; Dark ; 48.0; 113; Mu Vel ; 2.69; 5000;occ; 96; 0;35018
15; 6197.8; 10-NOV-2008 12:18:41; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;35018
16; 6294.2; 10-NOV-2008 12:20:17; Dark ; 40.0; 29; Bet Car ; 1.67; 10200;occ; 80; 0;35018
17; 6664.4; 10-NOV-2008 12:26:27; Dark ; 59.5; 2; Alp Car ; -0.74; 7000;occ; 119; 0;35018
18; 7219.2; 10-NOV-2008 12:35:42; Dark ; 38.5; 157; The1Eri ; 2.91; 9300;occ; 77; 0;35018
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 2; 2262.3; 10-NOV-2008 12:53:41; Bright; 37.5; 105; 6Bet Ari ; 2.64; 8900;occ; 75; 0;35019
 3; 2509.8; 10-NOV-2008 12:57:49; Bright; 35.5; 173; 4Bet Tri ; 3.00; 8900;occ; 71; 0;35019
 4; 2633.7; 10-NOV-2008 12:59:52; Bright; 36.5; 73; 57Gam1And ; 2.26; 13100;occ; 73; 0;35019
 5; 2878.1; 10-NOV-2008 13:03:57; Bright; 36.0; 68; 18Alp Cas ; 2.22; 4500;occ; 72; 0;35019
 6; 3422.8; 10-NOV-2008 13:13:02; Bright; 36.0; 49; 1Alp UMi ; 1.99; 6300;occ; 72; 0;35019
 7; 3675.4; 10-NOV-2008 13:17:14; Bright; 32.5; 60; 7Bet UMi ; 2.08; 3950;occ; 65; 0;35019
 8; 3894.6; 10-NOV-2008 13:20:53; Bright; 39.5; 36; 50Alp UMa ; 1.80; 6300;occ; 79; 0;35019
 9; 3992.6; 10-NOV-2008 13:22:31; Bright; 38.5; 82; 48Bet UMa ; 2.37; 10600;occ; 77; 0;35019
10; 4227.3; 10-NOV-2008 13:26:26; Bright; 39.5; 174; 52Psi UMa ; 3.00; 4400;occ; 79; 0;35019
11; 4321.0; 10-NOV-2008 13:28:00; Bright; 48.5; 152; 12Alp2CVn ; 2.89; 11000;occ; 97; 0;35019
12; 4785.9; 10-NOV-2008 13:35:45; Bright; 39.5; 62; 94Bet Leo ; 2.14; 9700;occ; 79; 0;35019
13; 5387.0; 10-NOV-2008 13:45:46; Dark ; 43.0; 171; 2Eps Crv ; 3.00; 4250;occ; 86; 0;35019
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15; 6198.7; 10-NOV-2008 13:59:17; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;35019
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17; 6665.0; 10-NOV-2008 14:07:04; Dark ; 46.5; 2; Alp Car ; -0.74; 7000;occ; 93; 0;35019
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 3; 2509.8; 10-NOV-2008 14:38:25; Bright; 36.0; 173; 4Bet Tri ; 3.00; 8900;occ; 72; 0;35020
 4; 2633.6; 10-NOV-2008 14:40:28; Bright; 37.0; 73; 57Gam1And ; 2.26; 13100;occ; 74; 0;35020
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 8; 3894.5; 10-NOV-2008 15:01:29; Bright; 38.0; 36; 50Alp UMa ; 1.80; 6300;occ; 76; 0;35020
 9; 3992.6; 10-NOV-2008 15:03:07; Bright; 38.5; 82; 48Bet UMa ; 2.37; 10600;occ; 77; 0;35020
10; 4227.5; 10-NOV-2008 15:07:02; Bright; 39.5; 174; 52Psi UMa ; 3.00; 4400;occ; 79; 0;35020
11; 4321.4; 10-NOV-2008 15:08:36; Bright; 34.0; 152; 12Alp2CVn ; 2.89; 11000;occ; 68; 0;35020
12; 4786.3; 10-NOV-2008 15:16:21; Bright; 38.5; 62; 94Bet Leo ; 2.14; 9700;occ; 77; 0;35020
13; 5387.5; 10-NOV-2008 15:26:22; Dark ; 43.5; 171; 2Eps Crv ; 3.00; 4250;occ; 87; 0;35020
14; 5932.2; 10-NOV-2008 15:35:27; Dark ; 39.0; 113; Mu Vel ; 2.69; 5000;occ; 78; 0;35020
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 3; 2509.6; 10-NOV-2008 16:19:00; Bright; 37.5; 173; 4Bet Tri ; 3.00; 8900;occ; 75; 0;35021
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 5; 2878.3; 10-NOV-2008 16:25:09; Bright; 36.0; 68; 18Alp Cas ; 2.22; 4500;occ; 72; 0;35021
 6; 3422.8; 10-NOV-2008 16:34:13; Bright; 36.5; 49; 1Alp UMi ; 1.99; 6300;occ; 73; 0;35021

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12; 4786.5; 10-NOV-2008 16:56:57; Bright; 39.5; 62; 94Bet Leo ; 2.14; 9700;occ; 79; 0;35021  
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7; 2941.5; 10-NOV-2008 18:06:48; Bright; 35.5; 76; 27Gam Cas ; 2.30; 30000;occ; 71; 0;35022  
8; 3422.7; 10-NOV-2008 18:14:49; Bright; 36.5; 49; 1Alp UMi ; 1.99; 6300;occ; 73; 0;35022  
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11; 3992.1; 10-NOV-2008 18:24:19; Bright; 39.5; 82; 48Bet UMa ; 2.37; 10600;occ; 79; 0;35022  
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13; 4321.4; 10-NOV-2008 18:29:48; Bright; 52.0; 152; 12Alp2CVn ; 2.89; 11000;occ; 104; 0;35022  
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20; 6667.3; 10-NOV-2008 19:08:54; Dark ; 61.5; 2; Alp Car ; -0.74; 7000;occ; 123; 0;35022

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1; 1184.3; 10-NOV-2008 19:18:07; Dark ; 38.5; 157; The1Eri ; 2.91; 9300;occ; 77; 0;35023  
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3; 2262.3; 10-NOV-2008 19:36:05; Bright; 37.0; 105; 6Bet Ari ; 2.64; 8900;occ; 74; 0;35023  
4; 2509.2; 10-NOV-2008 19:40:12; Bright; 36.0; 173; 4Bet Tri ; 3.00; 8900;occ; 72; 0;35023  
5; 2633.1; 10-NOV-2008 19:42:16; Bright; 36.0; 73; 57Gam1And ; 2.26; 13100;occ; 72; 0;35023  
6; 2842.8; 10-NOV-2008 19:45:45; Bright; 43.0; 35; 33Alp Per ; 1.79; 6250;occ; 86; 0;35023  
7; 2941.5; 10-NOV-2008 19:47:24; Bright; 34.5; 76; 27Gam Cas ; 2.30; 30000;occ; 69; 0;35023  
8; 3422.8; 10-NOV-2008 19:55:25; Bright; 37.0; 49; 1Alp UMi ; 1.99; 6300;occ; 74; 0;35023  
9; 3675.8; 10-NOV-2008 19:59:39; Bright; 36.0; 60; 7Bet UMi ; 2.08; 3950;occ; 72; 0;35023  
10; 3893.9; 10-NOV-2008 20:03:17; Bright; 40.0; 36; 50Alp UMa ; 1.80; 6300;occ; 80; 0;35023  
11; 3991.9; 10-NOV-2008 20:04:55; Bright; 37.5; 82; 48Bet UMa ; 2.37; 10600;occ; 75; 0;35023  
12; 4227.1; 10-NOV-2008 20:08:50; Bright; 41.0; 174; 52Psi UMa ; 3.00; 4400;occ; 82; 0;35023  
13; 4321.5; 10-NOV-2008 20:10:24; Bright; 34.5; 152; 12Alp2CVn ; 2.89; 11000;occ; 69; 0;35023  
14; 4787.0; 10-NOV-2008 20:18:10; Bright; 37.5; 62; 94Bet Leo ; 2.14; 9700;occ; 75; 0;35023  
15; 5298.6; 10-NOV-2008 20:26:41; Dark ; 39.0; 100; 4Gam Crv ; 2.58; 13100;occ; 78; 0;35023  
16; 5388.4; 10-NOV-2008 20:28:11; Dark ; 39.0; 171; 2Eps Crv ; 3.00; 4250;occ; 78; 0;35023  
17; 5933.7; 10-NOV-2008 20:37:16; Dark ; 43.0; 113; Mu Vel ; 2.69; 5000;occ; 86; 0;35023  
18; 6202.0; 10-NOV-2008 20:41:45; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;35023  
19; 6296.0; 10-NOV-2008 20:43:19; Dark ; 38.0; 29; Bet Car ; 1.67; 10200;occ; 76; 0;35023  
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2; -646.3; 11-NOV-2008 01:30:00; Dark ; 41.0; 171; 2Eps Crv ; 3.00; 4250;occ; 82; 0;35026  
3; -100.5; 11-NOV-2008 01:39:06; Dark ; 44.5; 113; Mu Vel ; 2.69; 5000;occ; 89; 0;35026  
4; 168.5; 11-NOV-2008 01:43:35; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;35027  
5; 261.2; 11-NOV-2008 01:45:07; Dark ; 37.5; 29; Bet Car ; 1.67; 10200;occ; 75; 0;35027  
6; 634.1; 11-NOV-2008 01:51:20; Dark ; 51.0; 2; Alp Car ; -0.74; 7000;occ; 102; 0;35027  
7; 1185.3; 11-NOV-2008 02:00:32; Dark ; 39.0; 157; The1Eri ; 2.91; 9300;occ; 78; 0;35027  
8; 1980.8; 11-NOV-2008 02:13:47; Dark ; 50.5; 94; 92Alp Cet ; 2.53; 3100;occ; 101; 0;35027  
9; 2262.4; 11-NOV-2008 02:18:29; Bright; 37.5; 105; 6Bet Ari ; 2.64; 8900;occ; 75; 0;35027  
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13; 2930.0; 11-NOV-2008 02:29:36; Bright; 34.5; 110; 37Del Cas ; 2.68; 8900;occ; 69; 0;35027  
14; 3422.7; 11-NOV-2008 02:37:49; Bright; 32.0; 49; 1Alp UMi ; 1.99; 6300;occ; 64; 0;35027



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3; -1808.8; 11-NOV-2008 02:51:13; Bright; 41.5; 174; 52Psi UMA ; 3.00; 4400;occ; 83; 0;35027
4; -1714.1; 11-NOV-2008 02:52:48; Bright; 34.5; 152; 12Alp2CVn ; 2.89; 11000;occ; 69; 0;35027
5; -1247.4; 11-NOV-2008 03:00:35; Bright; 39.0; 62; 94Bet Leo ; 2.14; 9700;occ; 78; 0;35027
6; -735.8; 11-NOV-2008 03:09:06; Dark ; 41.0; 100; 4Gam Crv ; 2.58; 13100;occ; 82; 0;35027
7; -645.9; 11-NOV-2008 03:10:36; Dark ; 42.0; 171; 2Eps Crv ; 3.00; 4250;occ; 84; 0;35027
8; -100.0; 11-NOV-2008 03:19:42; Dark ; 38.5; 113; Mu Vel ; 2.69; 5000;occ; 77; 0;35027
9; 169.3; 11-NOV-2008 03:24:11; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;35028
10; 261.7; 11-NOV-2008 03:25:44; Dark ; 38.5; 29; Bet Car ; 1.67; 10200;occ; 77; 0;35028
11; 634.8; 11-NOV-2008 03:31:57; Dark ; 61.5; 2; Alp Car ; -0.74; 7000;occ; 123; 0;35028
12; 1185.7; 11-NOV-2008 03:41:08; Dark ; 39.5; 157; The1Eri ; 2.91; 9300;occ; 79; 0;35028
13; 1980.8; 11-NOV-2008 03:54:23; Dark ; 50.5; 94; 92Alp Cet ; 2.53; 3100;occ; 101; 0;35028
14; 2262.5; 11-NOV-2008 03:59:05; Bright; 36.0; 105; 6Bet Ari ; 2.64; 8900;occ; 72; 0;35028
15; 2509.0; 11-NOV-2008 04:03:11; Bright; 35.5; 173; 4Bet Tri ; 3.00; 8900;occ; 71; 0;35028
16; 2632.7; 11-NOV-2008 04:05:15; Bright; 37.0; 73; 57Gam1And ; 2.26; 13100;occ; 74; 0;35028
17; 2840.6; 11-NOV-2008 04:08:43; Bright; 41.0; 35; 33Alp Per ; 1.79; 6250;occ; 82; 0;35028
18; 2930.1; 11-NOV-2008 04:10:12; Bright; 34.5; 110; 37Del Cas ; 2.68; 8900;occ; 69; 0;35028
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4; -1809.0; 11-NOV-2008 04:31:49; Bright; 39.5; 174; 52Psi UMA ; 3.00; 4400;occ; 79; 0;35028
5; -1713.8; 11-NOV-2008 04:33:24; Bright; 33.5; 152; 12Alp2CVn ; 2.89; 11000;occ; 67; 0;35028
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7; -735.3; 11-NOV-2008 04:49:43; Dark ; 39.5; 100; 4Gam Crv ; 2.58; 13100;occ; 79; 0;35028
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11; 262.0; 11-NOV-2008 05:06:20; Dark ; 37.5; 29; Bet Car ; 1.67; 10200;occ; 75; 0;35029
12; 635.5; 11-NOV-2008 05:12:34; Dark ; 60.0; 2; Alp Car ; -0.74; 7000;occ; 120; 0;35029
13; 1185.9; 11-NOV-2008 05:21:44; Dark ; 39.0; 157; The1Eri ; 2.91; 9300;occ; 78; 0;35029
14; 1980.7; 11-NOV-2008 05:34:59; Dark ; 49.0; 94; 92Alp Cet ; 2.53; 3100;occ; 98; 0;35029
15; 2262.4; 11-NOV-2008 05:39:41; Bright; 36.5; 105; 6Bet Ari ; 2.64; 8900;occ; 73; 0;35029
16; 2508.7; 11-NOV-2008 05:43:47; Bright; 35.0; 173; 4Bet Tri ; 3.00; 8900;occ; 70; 0;35029
17; 2632.6; 11-NOV-2008 05:45:51; Bright; 38.5; 73; 57Gam1And ; 2.26; 13100;occ; 77; 0;35029
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19; 2930.1; 11-NOV-2008 05:50:48; Bright; 35.0; 110; 37Del Cas ; 2.68; 8900;occ; 70; 0;35029
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21; 3676.7; 11-NOV-2008 06:03:15; Bright; 37.5; 60; 7Bet UMi ; 2.08; 3950;occ; 75; 0;35029
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2; 1979.6; 11-NOV-2008 20:40:21; Dark ; 49.0; 94; 92Alp Cet ; 2.53; 3100;occ; 98; 0;35038
3; 2262.4; 11-NOV-2008 20:45:04; Bright; 37.0; 105; 6Bet Ari ; 2.64; 8900;occ; 74; 0;35038
4; 2507.7; 11-NOV-2008 20:49:09; Bright; 36.5; 173; 4Bet Tri ; 3.00; 8900;occ; 73; 0;35038
5; 2631.7; 11-NOV-2008 20:51:13; Bright; 37.5; 73; 57Gam1And ; 2.26; 13100;occ; 75; 0;35038
6; 2836.3; 11-NOV-2008 20:54:38; Bright; 38.0; 35; 33Alp Per ; 1.79; 6250;occ; 76; 0;35038
7; 2930.0; 11-NOV-2008 20:56:12; Bright; 35.0; 110; 37Del Cas ; 2.68; 8900;occ; 70; 0;35038
8; 3422.7; 11-NOV-2008 21:04:24; Bright; 37.0; 49; 1Alp UMi ; 1.99; 6300;occ; 74; 0;35038
9; 3677.8; 11-NOV-2008 21:08:39; Bright; 36.0; 60; 7Bet UMi ; 2.08; 3950;occ; 72; 0;35038
10; 3891.3; 11-NOV-2008 21:12:13; Bright; 39.5; 36; 50Alp UMA ; 1.80; 6300;occ; 79; 0;35038
11; 3989.5; 11-NOV-2008 21:13:51; Bright; 39.5; 82; 48Bet UMA ; 2.37; 10600;occ; 79; 0;35038
12; 4323.6; 11-NOV-2008 21:19:25; Bright; 33.5; 152; 12Alp2CVn ; 2.89; 11000;occ; 67; 0;35038
13; 4792.2; 11-NOV-2008 21:27:14; Bright; 40.0; 62; 94Bet Leo ; 2.14; 9700;occ; 80; 0;35038
14; 5304.3; 11-NOV-2008 21:35:46; Dark ; 35.0; 100; 4Gam Crv ; 2.58; 13100;occ; 70; 0;35038
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3; -94.0; 11-NOV-2008 21:46:23; Dark ; 39.0; 113; Mu Vel ; 2.69; 5000;occ; 78; 0;35038
4; 178.4; 11-NOV-2008 21:50:56; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;35039
5; 350.4; 11-NOV-2008 21:53:48; Dark ; 49.0; 34; Gam2Vel ; 1.79; 23000;occ; 98; 0;35039
6; 642.5; 11-NOV-2008 21:58:40; Dark ; 47.5; 2; Alp Car ; -0.74; 7000;occ; 95; 0;35039
7; 1188.5; 11-NOV-2008 22:07:46; Dark ; 40.0; 157; The1Eri ; 2.91; 9300;occ; 80; 0;35039
8; 1979.5; 11-NOV-2008 22:20:57; Dark ; 49.0; 94; 92Alp Cet ; 2.53; 3100;occ; 98; 0;35039
9; 2262.3; 11-NOV-2008 22:25:40; Bright; 36.0; 105; 6Bet Ari ; 2.64; 8900;occ; 72; 0;35039

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 11; 2631.6; 11-NOV-2008 22:31:49; Bright; 37.5; 73; 57Gam1And ; 2.26; 13100;occ; 75; 0;35039  
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 13; 2930.1; 11-NOV-2008 22:36:48; Bright; 40.0; 110; 37Del Cas ; 2.68; 8900;occ; 80; 0;35039  
 14; 3422.7; 11-NOV-2008 22:45:00; Bright; 36.0; 49; 1Alp UMi ; 1.99; 6300;occ; 72; 0;35039  
 15; 3677.9; 11-NOV-2008 22:49:15; Bright; 36.0; 60; 7Bet UMi ; 2.08; 3950;occ; 72; 0;35039  
 16; 3891.1; 11-NOV-2008 22:52:49; Bright; 40.0; 36; 50Alp UMA ; 1.80; 6300;occ; 80; 0;35039  
 17; 3989.3; 11-NOV-2008 22:54:27; Bright; 40.5; 82; 48Bet UMA ; 2.37; 10600;occ; 81; 0;35039  
 18; 4323.6; 11-NOV-2008 23:00:01; Bright; 33.5; 152; 12Alp2CVn ; 2.89; 11000;occ; 67; 0;35039  
 19; 4792.4; 11-NOV-2008 23:07:50; Bright; 48.0; 62; 94Bet Leo ; 2.14; 9700;occ; 96; 0;35039  
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 4; 179.2; 11-NOV-2008 23:31:32; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;35040  
 5; 351.4; 11-NOV-2008 23:34:25; Dark ; 47.0; 34; Gam2Vel ; 1.79; 23000;occ; 94; 0;35040  
 6; 643.2; 11-NOV-2008 23:39:16; Dark ; 59.5; 2; Alp Car ;-0.74; 7000;occ; 119; 0;35040  
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 18; 6143.7; 14-NOV-2008 11:51:54; Dark ; 38.5; 124; The Car ; 2.76; 30000;occ; 77; 0;35075  
 19; 6245.0; 14-NOV-2008 11:53:36; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;35075  
 20; 6422.4; 14-NOV-2008 11:56:33; Dark ; 35.0; 34; Gam2Vel ; 1.79; 23000;occ; 70; 0;35075  
 21; 6703.7; 14-NOV-2008 12:01:14; Dark ; 50.5; 2; Alp Car ; -0.74; 7000;occ; 101; 0;35075  
 22; 7233.5; 14-NOV-2008 12:10:04; Dark ; 37.5; 157; The1Eri ; 2.91; 9300;occ; 75; 0;35075

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1; 1976.3; 14-NOV-2008 12:23:03; Dark ; 47.5; 94; 92Alp Cet ; 2.53; 3100;occ; 95; 0;35076  
 2; 2263.8; 14-NOV-2008 12:27:50; Bright; 37.0; 105; 6Bet Ari ; 2.64; 8900;occ; 74; 0;35076  
 3; 2504.9; 14-NOV-2008 12:31:51; Bright; 34.5; 173; 4Bet Tri ; 3.00; 8900;occ; 69; 0;35076  
 4; 2628.9; 14-NOV-2008 12:33:55; Bright; 37.5; 73; 57Gam1And ; 2.26; 13100;occ; 75; 0;35076  
 5; 2820.8; 14-NOV-2008 12:37:07; Bright; 41.0; 35; 33Alp Per ; 1.79; 6250;occ; 82; 0;35076  
 6; 2930.8; 14-NOV-2008 12:38:57; Bright; 35.0; 110; 37Del Cas ; 2.68; 8900;occ; 70; 0;35076  
 7; 3422.5; 14-NOV-2008 12:47:09; Bright; 36.0; 49; 1Alp UMi ; 1.99; 6300;occ; 72; 0;35076  
 8; 3682.6; 14-NOV-2008 12:51:29; Bright; 35.0; 60; 7Bet UMi ; 2.08; 3950;occ; 70; 0;35076  
 9; 3884.3; 14-NOV-2008 12:54:51; Bright; 41.5; 36; 50Alp UMa ; 1.80; 6300;occ; 83; 0;35076  
 10; 3982.7; 14-NOV-2008 12:56:29; Bright; 40.0; 82; 48Bet UMa ; 2.37; 10600;occ; 80; 0;35076  
 11; 4118.8; 14-NOV-2008 12:58:45; Bright; 35.0; 39; 85Eta UMa ; 1.85; 24000;occ; 70; 0;35076  
 12; 4327.9; 14-NOV-2008 13:02:14; Bright; 34.0; 152; 12Alp2CVn ; 2.89; 11000;occ; 68; 0;35076  
 13; 4805.6; 14-NOV-2008 13:10:12; Bright; 39.5; 62; 94Bet Leo ; 2.14; 9700;occ; 79; 0;35076  
 14; 5019.3; 14-NOV-2008 13:13:46; Bright; 35.0; 121; 29Gam Vir ; 2.74; 7200;occ; 70; 0;35076  
 15; 5320.1; 14-NOV-2008 13:18:47; Dark ; 41.0; 100; 4Gam Crv ; 2.58; 13100;occ; 82; 0;35076  
 16; 5411.0; 14-NOV-2008 13:20:17; Dark ; 41.5; 171; 2Eps Crv ; 3.00; 4250;occ; 83; 0;35076  
 17; 5963.8; 14-NOV-2008 13:29:30; Dark ; 39.5; 113; Mu Vel ; 2.69; 5000;occ; 79; 0;35076  
 18; 6144.2; 14-NOV-2008 13:32:31; Dark ; 37.0; 124; The Car ; 2.76; 30000;occ; 74; 0;35076  
 19; 6245.9; 14-NOV-2008 13:34:12; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;35076  
 20; 6423.4; 14-NOV-2008 13:37:10; Dark ; 35.0; 34; Gam2Vel ; 1.79; 23000;occ; 70; 0;35076  
 21; 6704.4; 14-NOV-2008 13:41:51; Dark ; 52.5; 2; Alp Car ; -0.74; 7000;occ; 105; 0;35076  
 22; 7233.8; 14-NOV-2008 13:50:40; Dark ; 37.5; 157; The1Eri ; 2.91; 9300;occ; 75; 0;35076

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1; 1976.3; 14-NOV-2008 14:03:39; Dark ; 49.0; 94; 92Alp Cet ; 2.53; 3100;occ; 98; 0;35077  
 2; 2263.7; 14-NOV-2008 14:08:26; Bright; 36.5; 105; 6Bet Ari ; 2.64; 8900;occ; 73; 0;35077  
 3; 2504.8; 14-NOV-2008 14:12:27; Bright; 34.0; 173; 4Bet Tri ; 3.00; 8900;occ; 68; 0;35077  
 4; 2628.9; 14-NOV-2008 14:14:31; Bright; 36.5; 73; 57Gam1And ; 2.26; 13100;occ; 73; 0;35077  
 5; 2820.6; 14-NOV-2008 14:17:43; Bright; 40.0; 35; 33Alp Per ; 1.79; 6250;occ; 80; 0;35077  
 6; 2930.9; 14-NOV-2008 14:19:33; Bright; 35.0; 110; 37Del Cas ; 2.68; 8900;occ; 70; 0;35077  
 7; 3422.7; 14-NOV-2008 14:27:45; Bright; 33.5; 49; 1Alp UMi ; 1.99; 6300;occ; 67; 0;35077  
 8; 3682.8; 14-NOV-2008 14:32:05; Bright; 36.0; 60; 7Bet UMi ; 2.08; 3950;occ; 72; 0;35077  
 9; 3884.3; 14-NOV-2008 14:35:27; Bright; 58.0; 36; 50Alp UMa ; 1.80; 6300;occ; 116; 0;35077  
 10; 3982.6; 14-NOV-2008 14:37:05; Bright; 39.0; 82; 48Bet UMa ; 2.37; 10600;occ; 78; 0;35077  
 11; 4119.0; 14-NOV-2008 14:39:21; Bright; 34.0; 39; 85Eta UMa ; 1.85; 24000;occ; 68; 0;35077  
 12; 4328.0; 14-NOV-2008 14:42:50; Bright; 35.0; 152; 12Alp2CVn ; 2.89; 11000;occ; 70; 0;35077  
 13; 4806.0; 14-NOV-2008 14:50:48; Bright; 42.0; 62; 94Bet Leo ; 2.14; 9700;occ; 84; 0;35077  
 14; 5019.7; 14-NOV-2008 14:54:22; Bright; 42.5; 121; 29Gam Vir ; 2.74; 7200;occ; 85; 0;35077  
 15; 5320.6; 14-NOV-2008 14:59:23; Dark ; 38.5; 100; 4Gam Crv ; 2.58; 13100;occ; 77; 0;35077  
 16; 5411.5; 14-NOV-2008 15:00:54; Dark ; 40.5; 171; 2Eps Crv ; 3.00; 4250;occ; 81; 0;35077  
 17; 5964.5; 14-NOV-2008 15:10:07; Dark ; 41.5; 113; Mu Vel ; 2.69; 5000;occ; 83; 0;35077  
 18; 6144.6; 14-NOV-2008 15:13:07; Dark ; 36.5; 124; The Car ; 2.76; 30000;occ; 73; 0;35077  
 19; 6246.8; 14-NOV-2008 15:14:49; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;35077  
 20; 6424.4; 14-NOV-2008 15:17:47; Dark ; 34.0; 34; Gam2Vel ; 1.79; 23000;occ; 68; 0;35077  
 21; 6705.2; 14-NOV-2008 15:22:27; Dark ; 47.5; 2; Alp Car ; -0.74; 7000;occ; 95; 0;35077  
 22; 7234.1; 14-NOV-2008 15:31:16; Dark ; 36.5; 157; The1Eri ; 2.91; 9300;occ; 73; 0;35077



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1; 1976.3; 14-NOV-2008 15:44:15; Dark ; 47.5; 94; 92Alp Cet ; 2.53; 3100;occ; 95; 0;35078  
 2; 2263.8; 14-NOV-2008 15:49:02; Bright; 37.0; 105; 6Bet Ari ; 2.64; 8900;occ; 74; 0;35078  
 3; 2504.7; 14-NOV-2008 15:53:03; Bright; 36.5; 173; 4Bet Tri ; 3.00; 8900;occ; 73; 0;35078  
 4; 2628.8; 14-NOV-2008 15:55:07; Bright; 37.0; 73; 57Gam1And ; 2.26; 13100;occ; 74; 0;35078  
 5; 2820.1; 14-NOV-2008 15:58:18; Bright; 40.5; 35; 33Alp Per ; 1.79; 6250;occ; 81; 0;35078  
 6; 2931.0; 14-NOV-2008 16:00:09; Bright; 35.5; 110; 37Del Cas ; 2.68; 8900;occ; 71; 0;35078  
 7; 3422.6; 14-NOV-2008 16:08:21; Bright; 36.0; 49; 1Alp UMi ; 1.99; 6300;occ; 72; 0;35078  
 8; 3682.8; 14-NOV-2008 16:12:41; Bright; 37.0; 60; 7Bet UMi ; 2.08; 3950;occ; 74; 0;35078  
 9; 3884.1; 14-NOV-2008 16:16:02; Bright; 43.0; 36; 50Alp UMa ; 1.80; 6300;occ; 86; 0;35078  
 10; 3982.4; 14-NOV-2008 16:17:41; Bright; 43.0; 82; 48Bet UMa ; 2.37; 10600;occ; 86; 0;35078  
 11; 4119.2; 14-NOV-2008 16:19:57; Bright; 34.5; 39; 85Eta UMa ; 1.85; 24000;occ; 69; 0;35078  
 12; 4328.0; 14-NOV-2008 16:23:26; Bright; 38.0; 152; 12Alp2CVn ; 2.89; 11000;occ; 76; 0;35078  
 13; 4806.3; 14-NOV-2008 16:31:25; Bright; 40.5; 62; 94Bet Leo ; 2.14; 9700;occ; 81; 0;35078  
 14; 5019.9; 14-NOV-2008 16:34:58; Bright; 53.0; 121; 29Gam Vir ; 2.74; 7200;occ; 106; 0;35078  
 15; 5321.0; 14-NOV-2008 16:39:59; Dark ; 41.5; 100; 4Gam Crv ; 2.58; 13100;occ; 83; 0;35078  
 16; 5411.9; 14-NOV-2008 16:41:30; Dark ; 40.5; 171; 2Eps Crv ; 3.00; 4250;occ; 81; 0;35078  
 17; 5965.1; 14-NOV-2008 16:50:43; Dark ; 46.0; 113; Mu Vel ; 2.69; 5000;occ; 92; 0;35078

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

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1; 951.0; 14-NOV-2008 18:48:21; Dark ; 81.0; 23; 21Eps CMa ; 1.50; 26000;occ; 162; 48;35080  
 2; 1073.1; 14-NOV-2008 18:50:23; Dark ; 56.0; 108; Alp Col ; 2.65; 15200;occ; 112; 0;35080  
 3; 1450.1; 14-NOV-2008 18:56:40; Dark ; 26.0; 47; 2Bet CMa ; 1.98; 28000;occ; 52; 0;35080  
 4; 1500.1; 14-NOV-2008 18:57:30; Dark ; 74.0; 101; 11Alp Lep ; 2.58; 7000;occ; 148; 0;35080  
 5; 1798.4; 14-NOV-2008 19:02:29; Dark ; 85.0; 7; 19Bet Ori ; 0.10; 14000;occ; 170; 0;35080  
 6; 1926.8; 14-NOV-2008 19:04:37; Dark ; 35.0; 125; 44Iot Ori ; 2.77; 30000;occ; 70; 0;35080  
 7; 2369.3; 14-NOV-2008 19:12:00; Bright; 64.0; 13; 87Alp Tau ; 0.87; 3800;occ; 128; 0;35080  
 8; 2562.3; 14-NOV-2008 19:15:13; Bright; 44.0; 150; 44Zet Per ; 2.89; 28000;occ; 88; 0;35080  
 9; 2788.3; 14-NOV-2008 19:18:59; Bright; 58.0; 114; 3Iot Aur ; 2.69; 4600;occ; 116; 0;35080  
 10; 3044.8; 14-NOV-2008 19:23:15; Bright; 57.0; 6; 13Alp Aur ; 0.08; 3400;occ; 114; 0;35080  
 11; 3229.8; 14-NOV-2008 19:26:20; Bright; 64.0; 42; 34Bet Aur ; 1.90; 10200;occ; 128; 0;35080  
 12; 4835.7; 14-NOV-2008 19:53:06; Bright; 88.0; 166; 17Eps Leo ; 2.98; 6000;occ; 176; 0;35080  
 13; 5122.3; 14-NOV-2008 19:57:53; Dark ; 83.0; 22; 32Alp Leo ; 1.36; 15200;occ; 166; 0;35080  
 14; 5905.1; 14-NOV-2008 20:10:55; Dark ; 111.0; 48; 30Alp Hya ; 1.98; 4100;occ; 222; 0;35080  
 15; 6460.1; 14-NOV-2008 20:20:10; Dark ; 59.5; 0; 0.00; 0;occ; 119; 0;35080  
 16; 6638.4; 14-NOV-2008 20:23:09; Dark ; 98.5; 132; 15Rho Pup ; 2.80; 6900;occ; 197; 0;35080  
 17; 6826.2; 14-NOV-2008 20:26:16; Dark ; 79.0; 88; 31Eta CMa ; 2.45; 20000;occ; 158; 0;35080  
 18; 6964.1; 14-NOV-2008 20:28:34; Dark ; 82.0; 23; 21Eps CMa ; 1.50; 26000;occ; 164; 0;35080  
 19; 7109.8; 14-NOV-2008 20:31:00; Dark ; 22.0; 108; Alp Col ; 2.65; 15200;occ; 44; 0;35080

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1; -121.9; 15-NOV-2008 01:12:52; Dark ; 108.0; 48; 30Alp Hya ; 1.98; 4100;occ; 216; 0;35083  
 2; 430.2; 15-NOV-2008 01:22:04; Dark ; 59.5; 0; 0.00; 0;occ; 119; 0;35084  
 3; 689.2; 15-NOV-2008 01:26:23; Dark ; 65.5; 117; Pi Pup ; 2.71; 3800;occ; 131; 0;35084  
 4; 794.8; 15-NOV-2008 01:28:09; Dark ; 80.0; 88; 31Eta CMa ; 2.45; 20000;occ; 160; 0;35084  
 5; 932.1; 15-NOV-2008 01:30:26; Dark ; 76.5; 23; 21Eps CMa ; 1.50; 26000;occ; 153; 0;35084  
 6; 1075.9; 15-NOV-2008 01:32:50; Dark ; 53.0; 108; Alp Col ; 2.65; 15200;occ; 106; 0;35084  
 7; 1451.5; 15-NOV-2008 01:39:05; Dark ; 34.0; 47; 2Bet CMa ; 1.98; 28000;occ; 68; 0;35084  
 8; 1796.7; 15-NOV-2008 01:44:51; Dark ; 86.0; 7; 19Bet Ori ; 0.10; 14000;occ; 172; 0;35084  
 9; 1922.8; 15-NOV-2008 01:46:57; Dark ; 48.0; 125; 44Iot Ori ; 2.77; 30000;occ; 96; 0;35084  
 10; 2365.6; 15-NOV-2008 01:54:19; Bright; 63.0; 13; 87Alp Tau ; 0.87; 3800;occ; 126; 0;35084  
 11; 2559.9; 15-NOV-2008 01:57:34; Bright; 44.5; 150; 44Zet Per ; 2.89; 28000;occ; 89; 0;35084  
 12; 2783.4; 15-NOV-2008 02:01:17; Bright; 59.5; 114; 3Iot Aur ; 2.69; 4600;occ; 119; 0;35084  
 13; 3040.3; 15-NOV-2008 02:05:34; Bright; 55.5; 6; 13Alp Aur ; 0.08; 3400;occ; 111; 0;35084  
 14; 3224.4; 15-NOV-2008 02:08:38; Bright; 57.5; 42; 34Bet Aur ; 1.90; 10200;occ; 115; 0;35084

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1; -1196.3; 15-NOV-2008 02:35:33; Bright; 88.5; 166; 17Eps Leo ; 2.98; 6000;occ; 177; 0;35084  
 2; -908.1; 15-NOV-2008 02:40:22; Dark ; 87.5; 22; 32Alp Leo ; 1.36; 15200;occ; 175; 0;35084  
 3; -118.9; 15-NOV-2008 02:53:31; Dark ; 116.5; 48; 30Alp Hya ; 1.98; 4100;occ; 233; 0;35084  
 4; 432.3; 15-NOV-2008 03:02:42; Dark ; 59.5; 0; 0.00; 0;occ; 119; 0;35085  
 5; 690.5; 15-NOV-2008 03:07:00; Dark ; 63.0; 117; Pi Pup ; 2.71; 3800;occ; 126; 0;35085  
 6; 796.4; 15-NOV-2008 03:08:46; Dark ; 78.0; 88; 31Eta CMa ; 2.45; 20000;occ; 156; 0;35085  
 7; 933.4; 15-NOV-2008 03:11:03; Dark ; 82.0; 23; 21Eps CMa ; 1.50; 26000;occ; 164; 0;35085  
 8; 1076.3; 15-NOV-2008 03:13:26; Dark ; 51.0; 108; Alp Col ; 2.65; 15200;occ; 102; 0;35085  
 9; 1451.8; 15-NOV-2008 03:19:41; Dark ; 34.0; 47; 2Bet CMa ; 1.98; 28000;occ; 68; 0;35085

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10; 1796.5; 15-NOV-2008 03:25:26; Dark ; 88.5; 7; 19Bet Ori ; 0.10; 14000;occ; 177; 0;35085
11; 1921.9; 15-NOV-2008 03:27:32; Dark ; 48.0; 125; 44Iot Ori ; 2.77; 30000;occ; 96; 0;35085
12; 2364.7; 15-NOV-2008 03:34:54; Bright; 62.0; 13; 87Alp Tau ; 0.87; 3800;occ; 124; 0;35085
13; 2559.2; 15-NOV-2008 03:38:09; Bright; 44.0; 150; 44Zet Per ; 2.89; 28000;occ; 88; 0;35085
14; 2782.1; 15-NOV-2008 03:41:52; Bright; 59.0; 114; 3Iot Aur ; 2.69; 4600;occ; 118; 0;35085
15; 3039.3; 15-NOV-2008 03:46:09; Bright; 57.0; 6; 13Alp Aur ; 0.08; 3400;occ; 114; 0;35085
16; 3222.9; 15-NOV-2008 03:49:13; Bright; 61.0; 42; 34Bet Aur ; 1.90; 10200;occ; 122; 0;35085
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 2; -906.7; 15-NOV-2008 04:20:59; Dark ; 82.5; 22; 32Alp Leo ; 1.36; 15200;occ; 165; 0;35085
 3; -116.1; 15-NOV-2008 04:34:10; Dark ; 110.0; 48; 30Alp Hya ; 1.98; 4100;occ; 220; 0;35085
 4; 434.3; 15-NOV-2008 04:43:20; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;35086
 5; 691.7; 15-NOV-2008 04:47:37; Dark ; 66.0; 117; Pi Pup ; 2.71; 3800;occ; 132; 0;35086
 6; 797.9; 15-NOV-2008 04:49:24; Dark ; 77.5; 88; 31Eta CMa ; 2.45; 20000;occ; 155; 0;35086
 7; 934.6; 15-NOV-2008 04:51:40; Dark ; 81.0; 23; 21Eps CMa ; 1.50; 26000;occ; 162; 0;35086
 8; 1077.0; 15-NOV-2008 04:54:03; Dark ; 52.5; 108; Alp Col ; 2.65; 15200;occ; 105; 0;35086
 9; 1452.1; 15-NOV-2008 05:00:18; Dark ; 38.0; 47; 2Bet CMa ; 1.98; 28000;occ; 76; 0;35086
10; 1795.9; 15-NOV-2008 05:06:02; Dark ; 87.0; 7; 19Bet Ori ; 0.10; 14000;occ; 174; 0;35086
11; 1921.1; 15-NOV-2008 05:08:07; Dark ; 54.0; 125; 44Iot Ori ; 2.77; 30000;occ; 108; 0;35086
12; 2363.7; 15-NOV-2008 05:15:29; Bright; 62.5; 13; 87Alp Tau ; 0.87; 3800;occ; 125; 0;35086
13; 2558.7; 15-NOV-2008 05:18:44; Bright; 43.0; 150; 44Zet Per ; 2.89; 28000;occ; 86; 0;35086
14; 2781.0; 15-NOV-2008 05:22:27; Bright; 58.5; 114; 3Iot Aur ; 2.69; 4600;occ; 117; 0;35086
15; 3038.3; 15-NOV-2008 05:26:44; Bright; 60.5; 6; 13Alp Aur ; 0.08; 3400;occ; 121; 0;35086
16; 3221.5; 15-NOV-2008 05:29:47; Bright; 62.0; 42; 34Bet Aur ; 1.90; 10200;occ; 124; 0;35086
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 2; -905.3; 15-NOV-2008 06:01:36; Dark ; 92.0; 22; 32Alp Leo ; 1.36; 15200;occ; 184; 0;35086
 3; -113.0; 15-NOV-2008 06:14:49; Dark ; 114.5; 48; 30Alp Hya ; 1.98; 4100;occ; 229; 0;35086
 4; 436.3; 15-NOV-2008 06:23:58; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;35087
 5; 692.8; 15-NOV-2008 06:28:15; Dark ; 61.0; 117; Pi Pup ; 2.71; 3800;occ; 122; 0;35087
 6; 799.4; 15-NOV-2008 06:30:01; Dark ; 77.0; 88; 31Eta CMa ; 2.45; 20000;occ; 154; 0;35087
 7; 935.9; 15-NOV-2008 06:32:18; Dark ; 81.5; 23; 21Eps CMa ; 1.50; 26000;occ; 163; 0;35087
 8; 1077.8; 15-NOV-2008 06:34:39; Dark ; 53.0; 108; Alp Col ; 2.65; 15200;occ; 106; 0;35087
 9; 1452.4; 15-NOV-2008 06:40:54; Dark ; 38.0; 47; 2Bet CMa ; 1.98; 28000;occ; 76; 0;35087
10; 1795.6; 15-NOV-2008 06:46:37; Dark ; 84.0; 7; 19Bet Ori ; 0.10; 14000;occ; 168; 0;35087
11; 1920.2; 15-NOV-2008 06:48:42; Dark ; 54.0; 125; 44Iot Ori ; 2.77; 30000;occ; 108; 0;35087
12; 2362.9; 15-NOV-2008 06:56:05; Bright; 61.5; 13; 87Alp Tau ; 0.87; 3800;occ; 123; 0;35087
13; 2558.0; 15-NOV-2008 06:59:20; Bright; 44.5; 150; 44Zet Per ; 2.89; 28000;occ; 89; 0;35087
14; 2779.7; 15-NOV-2008 07:03:01; Bright; 58.5; 114; 3Iot Aur ; 2.69; 4600;occ; 117; 0;35087
15; 3037.2; 15-NOV-2008 07:07:19; Bright; 56.5; 6; 13Alp Aur ; 0.08; 3400;occ; 113; 0;35087
16; 3219.9; 15-NOV-2008 07:10:22; Bright; 62.5; 42; 34Bet Aur ; 1.90; 10200;occ; 125; 0;35087
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 9; 3028.8; 15-NOV-2008 20:31:58; Bright; 56.0; 6; 13Alp Aur ; 0.08; 3400;occ; 112; 0;35095
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12; 2768.6; 15-NOV-2008 22:08:14; Bright; 56.5; 114; 3Iot Aur ; 2.69; 4600;occ; 113; 0;35096
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 5; 2778.4; 15-NOV-2008 08:43:36; Bright; 60.5; 114; 3Iot Aur ; 2.69; 4600;occ; 121; 0;35088
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 9; 4843.6; 15-NOV-2008 09:18:01; Dark ; 93.0; 166; 17Eps Leo ; 2.98; 6000;occ; 186; 0;35088
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 4; 2558.6; 15-NOV-2008 10:20:32; Bright; 42.0; 150; 44Zet Per ; 2.89; 28000;occ; 84; 0;35089
 5; 2777.3; 15-NOV-2008 10:24:11; Bright; 58.5; 114; 3Iot Aur ; 2.69; 4600;occ; 117; 0;35089
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6; 1475.6; 20-NOV-2008 22:29:48; Dark ; 92.0; 47; 2Bet CMA ; 1.98; 28000;occ; 184; 0;35168
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12; 3112.8; 20-NOV-2008 22:57:05; Bright; 56.5; 42; 34Bet Aur ; 1.90; 10200;occ; 113; 0;35168
13; 4214.3; 20-NOV-2008 23:15:26; Bright; 47.0; 174; 52Psi UMa ; 3.00; 4400;occ; 94; 0;35168
14; 4774.5; 20-NOV-2008 23:24:46; Bright; 54.5; 96; 68Del Leo ; 2.56; 9300;occ; 109; 0;35168
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4; 2701.0; 20-NOV-2008 07:44:50; Bright; 52.5; 114; 3Iot Aur ; 2.69; 4600;occ; 105; 0;35159
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5; 2697.2; 20-NOV-2008 14:27:09; Bright; 53.0; 114; 3Iot Aur ; 2.69; 4600;occ; 106; 0;35163
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8; 4211.0; 22-NOV-2008 13:49:09; Bright; 49.0; 174; 52Psi UMa ; 3.00; 4400;occ; 98; 0;35191
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13; 6845.7; 22-NOV-2008 14:33:04; Dark ; 70.5; 117; Pi Pup ; 2.71; 3800;occ; 141; 0;35191
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7; 3083.7; 22-NOV-2008 15:10:58; Bright; 57.0; 42; 34Bet Aur ; 1.90; 10200;occ; 114; 0;35192
8; 4210.9; 22-NOV-2008 15:29:45; Bright; 46.0; 174; 52Psi UMa ; 3.00; 4400;occ; 92; 0;35192
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 4; 126.4; 25-NOV-2008 06:04:26; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;35230
 5; 625.1; 25-NOV-2008 06:12:45; Dark ; 53.0; 70; Zet Pup ; 2.25; 39000;occ; 106; 0;35230
 6; 847.9; 25-NOV-2008 06:16:28; Dark ; 63.0; 117; Pi Pup ; 2.71; 3800;occ; 126; 0;35230
 7; 1085.8; 25-NOV-2008 06:20:26; Dark ; 71.0; 23; 21Eps CMa ; 1.50; 26000;occ; 142; 0;35230
 8; 1221.8; 25-NOV-2008 06:22:42; Dark ; 83.0; 179; 240mi2CMa ; 3.03; 24000;occ; 166; 0;35230
 9; 1520.1; 25-NOV-2008 06:27:40; Dark ; 109.0; 1; 9Alp CMa ; -1.44; 11000;occ; 218; 0;35230
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12; 2148.3; 25-NOV-2008 06:38:08; Dark ; 76.5; 27; 24Gam Ori ; 1.64; 26000;occ; 153; 0;35230
13; 2265.3; 25-NOV-2008 06:40:05; Bright; 53.5; 13; 87Alp Tau ; 0.87; 3800;occ; 107; 0;35230
14; 2639.0; 25-NOV-2008 06:46:19; Bright; 48.0; 114; 3Iot Aur ; 2.69; 4600;occ; 96; 0;35230
15; 2905.3; 25-NOV-2008 06:50:45; Bright; 48.5; 6; 13Alp Aur ; 0.08; 3400;occ; 97; 0;35230
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 4; 129.0; 25-NOV-2008 07:45:05; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;35231
 5; 626.1; 25-NOV-2008 07:53:22; Dark ; 57.0; 70; Zet Pup ; 2.25; 39000;occ; 114; 0;35231
 6; 848.9; 25-NOV-2008 07:57:05; Dark ; 59.5; 117; Pi Pup ; 2.71; 3800;occ; 119; 0;35231
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 8; 1222.4; 25-NOV-2008 08:03:18; Dark ; 81.0; 179; 240mi2CMa ; 3.03; 24000;occ; 162; 0;35231
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 3; 2147.4; 25-NOV-2008 08:18:43; Dark ; 67.0; 27; 24Gam Ori ; 1.64; 26000;occ; 134; 0;35231
 4; 2264.9; 25-NOV-2008 08:20:41; Bright; 53.5; 13; 87Alp Tau ; 0.87; 3800;occ; 107; 0;35231
 5; 2638.2; 25-NOV-2008 08:26:54; Bright; 48.5; 114; 3Iot Aur ; 2.69; 4600;occ; 97; 0;35231
 6; 2904.5; 25-NOV-2008 08:31:21; Bright; 70.0; 6; 13Alp Aur ; 0.08; 3400;occ; 140; 0;35231
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 8; 4204.4; 25-NOV-2008 08:53:00; Bright; 49.0; 174; 52Psi UMa ; 3.00; 4400;occ; 98; 0;35231
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11; 6167.4; 25-NOV-2008 09:25:43; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;35231
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13; 6885.7; 25-NOV-2008 09:37:42; Dark ; 58.5; 117; Pi Pup ; 2.71; 3800;occ; 117; 0;35231
14; 7123.4; 25-NOV-2008 09:41:39; Dark ; 73.5; 23; 21Eps CMa ; 1.50; 26000;occ; 147; 0;35231
15; 7259.0; 25-NOV-2008 09:43:55; Dark ; 82.0; 179; 240mi2CMa ; 3.03; 24000;occ; 164; 0;35231
16; 7556.2; 25-NOV-2008 09:48:52; Dark ; 109.5; 1; 9Alp CMa ; -1.44; 11000;occ; 219; 0;35231
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 3; 2146.6; 25-NOV-2008 09:59:18; Dark ; 67.0; 27; 24Gam Ori ; 1.64; 26000;occ; 134; 0;35232
 4; 2264.4; 25-NOV-2008 10:01:16; Bright; 51.0; 13; 87Alp Tau ; 0.87; 3800;occ; 102; 0;35232
 5; 2637.5; 25-NOV-2008 10:07:29; Bright; 50.0; 114; 3Iot Aur ; 2.69; 4600;occ; 100; 0;35232
 6; 2903.7; 25-NOV-2008 10:11:56; Bright; 52.5; 6; 13Alp Aur ; 0.08; 3400;occ; 105; 0;35232
 7; 3037.4; 25-NOV-2008 10:14:09; Bright; 54.5; 42; 34Bet Aur ; 1.90; 10200;occ; 109; 0;35232
 8; 4204.2; 25-NOV-2008 10:33:36; Bright; 47.5; 174; 52Psi UMa ; 3.00; 4400;occ; 95; 0;35232
 9; 4809.2; 25-NOV-2008 10:43:41; Bright; 58.5; 96; 68Del Leo ; 2.56; 9300;occ; 117; 0;35232
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11; 6170.0; 25-NOV-2008 11:06:22; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;35232
12; 6664.3; 25-NOV-2008 11:14:36; Dark ; 53.5; 70; Zet Pup ; 2.25; 39000;occ; 107; 0;35232
13; 6886.6; 25-NOV-2008 11:18:19; Dark ; 60.5; 117; Pi Pup ; 2.71; 3800;occ; 121; 0;35232
14; 7124.4; 25-NOV-2008 11:22:16; Dark ; 69.0; 23; 21Eps CMa ; 1.50; 26000;occ; 138; 0;35232
15; 7259.9; 25-NOV-2008 11:24:32; Dark ; 77.0; 179; 240mi2CMa ; 3.03; 24000;occ; 154; 0;35232
16; 7556.3; 25-NOV-2008 11:29:28; Dark ; 115.5; 1; 9Alp CMa ; -1.44; 11000;occ; 231; 0;35232

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 3; 1970.4; 25-NOV-2008 11:36:58; Dark ; 73.0; 30; 46Eps Ori ; 1.69; 30000;occ; 146; 0;35233  
 4; 2145.9; 25-NOV-2008 11:39:54; Dark ; 74.0; 27; 24Gam Ori ; 1.64; 26000;occ; 148; 0;35233  
 5; 2263.8; 25-NOV-2008 11:41:52; Bright; 53.0; 13; 87Alp Tau ; 0.87; 3800;occ; 106; 0;35233  
 6; 2636.7; 25-NOV-2008 11:48:05; Bright; 49.5; 114; 3Iot Aur ; 2.69; 4600;occ; 99; 0;35233  
 7; 2902.9; 25-NOV-2008 11:52:31; Bright; 48.5; 6; 13Alp Aur ; 0.08; 3400;occ; 97; 0;35233  
 8; 3036.2; 25-NOV-2008 11:54:44; Bright; 54.5; 42; 34Bet Aur ; 1.90; 10200;occ; 109; 0;35233  
 9; 4203.9; 25-NOV-2008 12:14:12; Bright; 47.5; 174; 52Psi UMa ; 3.00; 4400;occ; 95; 0;35233  
 10; 4809.7; 25-NOV-2008 12:24:18; Bright; 59.5; 96; 68Del Leo ; 2.56; 9300;occ; 119; 0;35233  
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 12; 6172.6; 25-NOV-2008 12:47:00; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;35233  
 13; 6665.5; 25-NOV-2008 12:55:13; Dark ; 55.0; 70; Zet Pup ; 2.25; 39000;occ; 110; 0;35233  
 14; 6887.5; 25-NOV-2008 12:58:55; Dark ; 55.5; 117; Pi Pup ; 2.71; 3800;occ; 111; 0;35233  
 15; 7125.1; 25-NOV-2008 13:02:53; Dark ; 73.5; 23; 21Eps CMA ; 1.50; 26000;occ; 147; 0;35233  
 16; 7260.7; 25-NOV-2008 13:05:09; Dark ; 81.5; 179; 240mi2CMA ; 3.03; 24000;occ; 163; 0;35233  
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 3; 1521.0; 25-NOV-2008 19:52:29; Dark ; 102.0; 1; 9Alp CMA ; -1.44; 11000;occ; 204; 0;35238  
 4; 1760.0; 25-NOV-2008 19:56:28; Dark ; 63.5; 7; 19Bet Ori ; 0.10; 14000;occ; 127; 0;35238  
 5; 1967.4; 25-NOV-2008 19:59:55; Dark ; 72.0; 30; 46Eps Ori ; 1.69; 30000;occ; 144; 0;35238  
 6; 2142.1; 25-NOV-2008 20:02:50; Dark ; 68.0; 27; 24Gam Ori ; 1.64; 26000;occ; 136; 0;35238  
 7; 2261.3; 25-NOV-2008 20:04:49; Bright; 55.5; 13; 87Alp Tau ; 0.87; 3800;occ; 111; 0;35238  
 8; 2633.0; 25-NOV-2008 20:11:01; Bright; 49.5; 114; 3Iot Aur ; 2.69; 4600;occ; 99; 0;35238  
 9; 2899.0; 25-NOV-2008 20:15:27; Bright; 49.5; 6; 13Alp Aur ; 0.08; 3400;occ; 99; 0;35238  
 10; 3030.7; 25-NOV-2008 20:17:38; Bright; 55.0; 42; 34Bet Aur ; 1.90; 10200;occ; 110; 0;35238  
 11; 4202.9; 25-NOV-2008 20:37:11; Bright; 52.5; 174; 52Psi UMa ; 3.00; 4400;occ; 105; 0;35238  
 12; 4812.8; 25-NOV-2008 20:47:20; Bright; 58.0; 96; 68Del Leo ; 2.56; 9300;occ; 116; 0;35238

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 3; 856.3; 25-NOV-2008 21:22:00; Dark ; 75.0; 117; Pi Pup ; 2.71; 3800;occ; 150; 0;35239  
 4; 1093.4; 25-NOV-2008 21:25:57; Dark ; 75.0; 23; 21Eps CMA ; 1.50; 26000;occ; 150; 0;35239  
 5; 1228.5; 25-NOV-2008 21:28:12; Dark ; 79.5; 179; 240mi2CMA ; 3.03; 24000;occ; 159; 0;35239  
 6; 1521.3; 25-NOV-2008 21:33:05; Dark ; 107.5; 1; 9Alp CMA ; -1.44; 11000;occ; 215; 0;35239  
 7; 1759.7; 25-NOV-2008 21:37:03; Dark ; 62.0; 7; 19Bet Ori ; 0.10; 14000;occ; 124; 0;35239  
 8; 1966.8; 25-NOV-2008 21:40:30; Dark ; 72.0; 30; 46Eps Ori ; 1.69; 30000;occ; 144; 0;35239  
 9; 2141.2; 25-NOV-2008 21:43:25; Dark ; 86.0; 27; 24Gam Ori ; 1.64; 26000;occ; 172; 0;35239  
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 12; 2898.3; 25-NOV-2008 21:56:02; Bright; 48.5; 6; 13Alp Aur ; 0.08; 3400;occ; 97; 0;35239  
 13; 3029.5; 25-NOV-2008 21:58:13; Bright; 56.0; 42; 34Bet Aur ; 1.90; 10200;occ; 112; 0;35239  
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 3; 857.3; 25-NOV-2008 23:02:37; Dark ; 68.0; 117; Pi Pup ; 2.71; 3800;occ; 136; 0;35240  
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 5; 1229.2; 25-NOV-2008 23:08:49; Dark ; 79.5; 179; 240mi2CMA ; 3.03; 24000;occ; 159; 0;35240  
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 8; 1966.1; 25-NOV-2008 23:21:06; Dark ; 72.0; 30; 46Eps Ori ; 1.69; 30000;occ; 144; 0;35240  
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 10; 2260.3; 25-NOV-2008 23:26:00; Bright; 61.5; 13; 87Alp Tau ; 0.87; 3800;occ; 123; 0;35240  
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 13; 3028.4; 25-NOV-2008 23:38:48; Bright; 52.0; 42; 34Bet Aur ; 1.90; 10200;occ; 104; 0;35240  
 14; 4202.5; 25-NOV-2008 23:58:22; Bright; 52.0; 174; 52Psi UMa ; 3.00; 4400;occ; 104; 0;35240  
 15; 4814.0; 26-NOV-2008 00:08:33; Bright; 59.5; 96; 68Del Leo ; 2.56; 9300;occ; 119; 0;35240

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 3; 1969.2; 25-NOV-2008 14:58:09; Dark ; 71.5; 30; 46Eps Ori ; 1.69; 30000;occ; 143; 0;35235  
 4; 2144.4; 25-NOV-2008 15:01:04; Dark ; 80.0; 27; 24Gam Ori ; 1.64; 26000;occ; 160; 0;35235



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6; 2635.2; 25-NOV-2008 15:09:15; Bright; 48.5; 114; 3Iot Aur ; 2.69; 4600;occ; 97; 0;35235
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3; 1520.9; 25-NOV-2008 18:11:53; Dark ; 107.5; 1; 9Alp CMa ; -1.44; 11000;occ; 215; 0;35237
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6; 1097.8; 26-NOV-2008 05:49:01; Dark ; 68.5; 23; 21Eps CMA ; 1.50; 26000;occ; 137; 0;35244
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12; 2258.6; 26-NOV-2008 06:08:22; Bright; 53.0; 13; 87Alp Tau ; 0.87; 3800;occ; 106; 0;35244
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6; 1098.6; 26-NOV-2008 07:29:38; Dark ; 74.0; 23; 21Eps CMA ; 1.50; 26000;occ; 148; 0;35245
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3; 1239.0; 26-NOV-2008 20:56:46; Dark ; 79.0; 179; 240mi2CMA ; 3.03; 24000;occ; 158; 0;35253
4; 1523.0; 26-NOV-2008 21:01:30; Dark ; 107.5; 1; 9Alp CMA ; -1.44; 11000;occ; 215; 0;35253
5; 1758.1; 26-NOV-2008 21:05:25; Dark ; 61.5; 7; 19Bet Ori ; 0.10; 14000;occ; 123; 0;35253
6; 1959.1; 26-NOV-2008 21:08:46; Dark ; 70.5; 30; 46Eps Ori ; 1.69; 30000;occ; 141; 0;35253

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8; 2254.4; 26-NOV-2008 21:13:41; Bright; 56.0; 13; 87Alp Tau ; 0.87; 3800;occ; 112; 0;35253
9; 2621.8; 26-NOV-2008 21:19:48; Bright; 47.5; 114; 3Iot Aur ; 2.69; 4600;occ; 95; 0;35253
10; 2887.5; 26-NOV-2008 21:24:14; Bright; 49.5; 6; 13Alp Aur ; 0.08; 3400;occ; 99; 0;35253
11; 3014.4; 26-NOV-2008 21:26:21; Bright; 53.5; 42; 34Bet Aur ; 1.90; 10200;occ; 107; 0;35253
12; 4200.3; 26-NOV-2008 21:46:07; Bright; 48.0; 174; 52Psi UMa ; 3.00; 4400;occ; 96; 0;35253
13; 4822.2; 26-NOV-2008 21:56:29; Bright; 76.0; 96; 68Del Leo ; 2.56; 9300;occ; 152; 0;35253
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8; 1958.6; 26-NOV-2008 22:49:21; Dark ; 68.5; 30; 46Eps Ori ; 1.69; 30000;occ; 137; 0;35254
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13; 3013.4; 26-NOV-2008 23:06:56; Bright; 53.5; 42; 34Bet Aur ; 1.90; 10200;occ; 107; 0;35254
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5; 2255.9; 26-NOV-2008 16:11:55; Bright; 54.5; 13; 87Alp Tau ; 0.87; 3800;occ; 109; 0;35250
6; 2624.1; 26-NOV-2008 16:18:03; Bright; 48.5; 114; 3Iot Aur ; 2.69; 4600;occ; 97; 0;35250
7; 2889.8; 26-NOV-2008 16:22:29; Bright; 50.0; 6; 13Alp Aur ; 0.08; 3400;occ; 100; 0;35250
8; 3017.7; 26-NOV-2008 16:24:36; Bright; 54.5; 42; 34Bet Aur ; 1.90; 10200;occ; 109; 0;35250
9; 4200.9; 26-NOV-2008 16:44:20; Bright; 48.0; 174; 52Psi UMa ; 3.00; 4400;occ; 96; 0;35250
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13; 6903.9; 26-NOV-2008 17:29:23; Dark ; 63.0; 117; Pi Pup ; 2.71; 3800;occ; 126; 0;35250
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2; 1237.6; 26-NOV-2008 17:35:32; Dark ; 77.0; 179; 240mi2CMA ; 3.03; 24000;occ; 154; 0;35251
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11; 4200.7; 26-NOV-2008 18:24:55; Bright; 50.5; 174; 52Psi UMa ; 3.00; 4400;occ; 101; 0;35251
12; 4821.1; 26-NOV-2008 18:35:16; Bright; 63.0; 96; 68Del Leo ; 2.56; 9300;occ; 126; 0;35251
13; 6220.3; 26-NOV-2008 18:58:35; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;35251
14; 6685.7; 26-NOV-2008 19:06:20; Dark ; 55.5; 70; Zet Pup ; 2.25; 39000;occ; 111; 0;35251
15; 6904.8; 26-NOV-2008 19:09:59; Dark ; 60.0; 117; Pi Pup ; 2.71; 3800;occ; 120; 0;35251
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6; 2131.8; 26-NOV-2008 19:31:03; Dark ; 71.5; 27; 24Gam Ori ; 1.64; 26000;occ; 143; 0;35252
7; 2254.9; 26-NOV-2008 19:33:06; Bright; 54.5; 13; 87Alp Tau ; 0.87; 3800;occ; 109; 0;35252
8; 2622.6; 26-NOV-2008 19:39:13; Bright; 46.5; 114; 3Iot Aur ; 2.69; 4600;occ; 93; 0;35252
9; 2888.3; 26-NOV-2008 19:43:39; Bright; 50.0; 6; 13Alp Aur ; 0.08; 3400;occ; 100; 0;35252
10; 3015.5; 26-NOV-2008 19:45:46; Bright; 53.0; 42; 34Bet Aur ; 1.90; 10200;occ; 106; 0;35252
11; 4200.4; 26-NOV-2008 20:05:31; Bright; 51.0; 174; 52Psi UMa ; 3.00; 4400;occ; 102; 0;35252
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4; 1106.7; 27-NOV-2008 00:15:45; Dark ; 71.0; 23; 21Eps CMA ; 1.50; 26000;occ; 142; 0;35255
5; 1240.5; 27-NOV-2008 00:17:59; Dark ; 78.5; 179; 240mi2CMA ; 3.03; 24000;occ; 157; 0;35255
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4; 1107.6; 27-NOV-2008 01:56:22; Dark ; 70.5; 23; 21Eps CMA ; 1.50; 26000;occ; 141; 0;35256
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5; 873.5; 27-NOV-2008 03:33:04; Dark ; 59.0; 117; Pi Pup ; 2.71; 3800;occ; 118; 0;35257
6; 1108.6; 27-NOV-2008 03:36:59; Dark ; 67.5; 23; 21Eps CMA ; 1.50; 26000;occ; 135; 0;35257
7; 1241.9; 27-NOV-2008 03:39:12; Dark ; 78.0; 179; 240mi2CMA ; 3.03; 24000;occ; 156; 0;35257
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13; 2618.3; 27-NOV-2008 05:42:45; Bright; 49.0; 114; 3Iot Aur ; 2.69; 4600;occ; 98; 0;35258
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4; 1534.1; 29-NOV-2008 19:26:50; Dark ; 53.0; 101; 11Alp Lep ; 2.58; 7000;occ; 106; 0;35295
5; 1753.7; 29-NOV-2008 19:30:30; Dark ; 61.5; 7; 19Bet Ori ; 0.10; 14000;occ; 123; 0;35295
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11; 2856.8; 29-NOV-2008 21:29:29; Bright; 46.5; 6; 13Alp Aur ; 0.08; 3400;occ; 93; 0;35296
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13; 2236.5; 29-NOV-2008 22:59:44; Bright; 52.5; 13; 87Alp Tau ; 0.87; 3800;occ; 105; 0;35297
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22; 4347.3; 29-NOV-2008 23:34:55; Bright; 40.0; 152; 12Alp2CVn ; 2.89; 11000;occ; 80; 0;35297
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10; 401.2; 30-NOV-2008 06:52:09; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;35302  
11; 599.4; 30-NOV-2008 06:55:27; Dark ; 46.0; 34; Gam2Vel ; 1.79; 23000;occ; 92; 0;35302  
12; 703.8; 30-NOV-2008 06:57:11; Dark ; 55.0; 70; Zet Pup ; 2.25; 39000;occ; 110; 0;35302  
13; 913.5; 30-NOV-2008 07:00:41; Dark ; 59.5; 117; Pi Pup ; 2.71; 3800;occ; 119; 0;35302  
14; 1059.3; 30-NOV-2008 07:03:07; Dark ; 40.0; 88; 31Eta CMa ; 2.45; 20000;occ; 80; 0;35302  
15; 1142.5; 30-NOV-2008 07:04:30; Dark ; 61.5; 23; 21Eps CMa ; 1.50; 26000;occ; 123; 0;35302  
16; 1535.1; 30-NOV-2008 07:11:02; Dark ; 54.5; 101; 11Alp Lep ; 2.58; 7000;occ; 109; 0;35302

/nas3/ENVISAT/GOMOS/GOM\_NL\_\_0P/GOM\_NL\_\_0PNPDK20081130\_071441\_000060502074\_00178\_35302\_2763.N1

1; 1753.1; 30-NOV-2008 07:14:41; Dark ; 56.0; 7; 19Bet Ori ; 0.10; 14000;occ; 112; 0;35302  
2; 1936.5; 30-NOV-2008 07:17:44; Dark ; 65.0; 30; 46Eps Ori ; 1.69; 30000;occ; 130; 0;35302  
3; 2100.7; 30-NOV-2008 07:20:28; Dark ; 60.5; 27; 24Gam Ori ; 1.64; 26000;occ; 121; 0;35302  
4; 2234.8; 30-NOV-2008 07:22:42; Bright; 53.0; 13; 87Alp Tau ; 0.87; 3800;occ; 106; 0;35302  
5; 2472.6; 30-NOV-2008 07:26:40; Bright; 37.0; 150; 44Zet Per ; 2.89; 28000;occ; 74; 0;35302  
6; 2618.6; 30-NOV-2008 07:29:06; Bright; 37.0; 149; 45Eps Per ; 2.89; 30000;occ; 74; 0;35302  
7; 2852.8; 30-NOV-2008 07:33:00; Bright; 47.5; 6; 13Alp Aur ; 0.08; 3400;occ; 95; 0;35302  
8; 2964.4; 30-NOV-2008 07:34:52; Bright; 76.0; 42; 34Bet Aur ; 1.90; 10200;occ; 152; 0;35302  
9; 3823.7; 30-NOV-2008 07:49:11; Bright; 45.0; 36; 50Alp UMA ; 1.80; 6300;occ; 90; 0;35302  
10; 3920.0; 30-NOV-2008 07:50:47; Bright; 44.5; 82; 48Bet UMA ; 2.37; 10600;occ; 89; 0;35302  
11; 4015.4; 30-NOV-2008 07:52:23; Bright; 38.5; 32; 77Eps UMA ; 1.76; 11000;occ; 77; 0;35302  
12; 4189.4; 30-NOV-2008 07:55:17; Bright; 63.5; 174; 52Psi UMA ; 3.00; 4400;occ; 127; 0;35302  
13; 4347.7; 30-NOV-2008 07:57:55; Bright; 37.0; 152; 12Alp2CVn ; 2.89; 11000;occ; 74; 0;35302  
14; 4918.3; 30-NOV-2008 08:07:26; Bright; 56.5; 62; 94Bet Leo ; 2.14; 9700;occ; 113; 0;35302  
15; 5116.6; 30-NOV-2008 08:10:44; Bright; 43.0; 121; 29Gam Vir ; 2.74; 7200;occ; 86; 0;35302  
16; 5455.4; 30-NOV-2008 08:16:23; Dark ; 44.5; 100; 4Gam Crv ; 2.58; 13100;occ; 89; 0;35302  
17; 5550.8; 30-NOV-2008 08:17:58; Dark ; 49.0; 171; 2Eps Crv ; 3.00; 4250;occ; 98; 0;35302  
18; 6438.0; 30-NOV-2008 08:32:45; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;35302  
19; 6636.3; 30-NOV-2008 08:36:04; Dark ; 48.0; 34; Gam2Vel ; 1.79; 23000;occ; 96; 0;35302  
20; 6740.8; 30-NOV-2008 08:37:48; Dark ; 54.5; 70; Zet Pup ; 2.25; 39000;occ; 109; 0;35302  
21; 6950.3; 30-NOV-2008 08:41:18; Dark ; 60.0; 117; Pi Pup ; 2.71; 3800;occ; 120; 0;35302  
22; 7096.1; 30-NOV-2008 08:43:44; Dark ; 40.0; 88; 31Eta CMa ; 2.45; 20000;occ; 80; 0;35302  
23; 7179.1; 30-NOV-2008 08:45:07; Dark ; 66.0; 23; 21Eps CMa ; 1.50; 26000;occ; 132; 0;35302  
24; 7571.1; 30-NOV-2008 08:51:39; Dark ; 53.0; 101; 11Alp Lep ; 2.58; 7000;occ; 106; 0;35302  
25; 7788.9; 30-NOV-2008 08:55:16; Dark ; 15.0; 7; 19Bet Ori ; 0.10; 14000;occ; 30; 0;35302

/nas3/ENVISAT/GOMOS/GOM\_NL\_\_0P/GOM\_NL\_\_0PNPDK20081130\_085516\_000060382074\_00179\_35303\_2764.N1

1; 1753.0; 30-NOV-2008 08:55:16; Dark ; 60.0; 7; 19Bet Ori ; 0.10; 14000;occ; 120; 0;35303  
2; 1936.0; 30-NOV-2008 08:58:19; Dark ; 62.5; 30; 46Eps Ori ; 1.69; 30000;occ; 125; 0;35303  
3; 2100.0; 30-NOV-2008 09:01:03; Dark ; 61.0; 27; 24Gam Ori ; 1.64; 26000;occ; 122; 0;35303  
4; 2234.5; 30-NOV-2008 09:03:18; Bright; 51.5; 13; 87Alp Tau ; 0.87; 3800;occ; 103; 0;35303  
5; 2472.2; 30-NOV-2008 09:07:16; Bright; 39.5; 150; 44Zet Per ; 2.89; 28000;occ; 79; 0;35303  
6; 2618.1; 30-NOV-2008 09:09:41; Bright; 38.0; 149; 45Eps Per ; 2.89; 30000;occ; 76; 0;35303  
7; 2852.2; 30-NOV-2008 09:13:36; Bright; 49.0; 6; 13Alp Aur ; 0.08; 3400;occ; 98; 0;35303



8; 2963.4; 30-NOV-2008 09:15:27; Bright; 51.0; 42; 34Bet Aur ; 1.90; 10200;occ; 102; 0;35303  
9; 3823.3; 30-NOV-2008 09:29:47; Bright; 47.5; 36; 50Alp UMa ; 1.80; 6300;occ; 95; 0;35303  
10; 3919.8; 30-NOV-2008 09:31:23; Bright; 47.0; 82; 48Bet UMa ; 2.37; 10600;occ; 94; 0;35303  
11; 4015.3; 30-NOV-2008 09:32:59; Bright; 38.0; 32; 77Eps UMa ; 1.76; 11000;occ; 76; 0;35303  
12; 4189.1; 30-NOV-2008 09:35:52; Bright; 50.5; 174; 52Psi UMa ; 3.00; 4400;occ; 101; 0;35303  
13; 4347.9; 30-NOV-2008 09:38:31; Bright; 39.0; 152; 12Alp2CVn ; 2.89; 11000;occ; 78; 0;35303  
14; 4919.1; 30-NOV-2008 09:48:02; Bright; 57.0; 62; 94Bet Leo ; 2.14; 9700;occ; 114; 0;35303  
15; 5117.3; 30-NOV-2008 09:51:21; Bright; 43.5; 121; 29Gam Vir ; 2.74; 7200;occ; 87; 0;35303  
16; 5456.0; 30-NOV-2008 09:56:59; Dark ; 47.0; 100; 4Gam Crv ; 2.58; 13100;occ; 94; 0;35303  
17; 5551.6; 30-NOV-2008 09:58:35; Dark ; 46.5; 171; 2Eps Crv ; 3.00; 4250;occ; 93; 0;35303  
18; 6438.8; 30-NOV-2008 10:13:22; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;35303  
19; 6637.1; 30-NOV-2008 10:16:40; Dark ; 46.0; 34; Gam2Vel ; 1.79; 23000;occ; 92; 0;35303  
20; 6741.8; 30-NOV-2008 10:18:25; Dark ; 53.0; 70; Zet Pup ; 2.25; 39000;occ; 106; 0;35303  
21; 6951.2; 30-NOV-2008 10:21:55; Dark ; 63.5; 117; Pi Pup ; 2.71; 3800;occ; 127; 0;35303  
22; 7096.9; 30-NOV-2008 10:24:20; Dark ; 42.0; 88; 31Eta CMA ; 2.45; 20000;occ; 84; 0;35303  
23; 7179.8; 30-NOV-2008 10:25:43; Dark ; 64.5; 23; 21Eps CMA ; 1.50; 26000;occ; 129; 0;35303  
24; 7571.2; 30-NOV-2008 10:32:15; Dark ; 55.0; 101; 11Alp Lep ; 2.58; 7000;occ; 110; 0;35303  
25; 7788.8; 30-NOV-2008 10:35:52; Dark ; 3.0; 7; 19Bet Ori ; 0.10; 14000;occ; 6; 0;35303

/nas3/ENVISAT/GOMOS/GOM\_NL\_\_0P/GOM\_NL\_\_0PNPDK20081130\_103552\_000054962074\_00180\_35304\_2765.N1

1; 1752.9; 30-NOV-2008 10:35:52; Dark ; 59.0; 7; 19Bet Ori ; 0.10; 14000;occ; 118; 0;35304  
2; 1935.6; 30-NOV-2008 10:38:55; Dark ; 62.5; 30; 46Eps Ori ; 1.69; 30000;occ; 125; 0;35304  
3; 2099.5; 30-NOV-2008 10:41:39; Dark ; 60.0; 27; 24Gam Ori ; 1.64; 26000;occ; 120; 0;35304  
4; 2234.1; 30-NOV-2008 10:43:53; Bright; 56.0; 13; 87Alp Tau ; 0.87; 3800;occ; 112; 0;35304  
5; 2472.1; 30-NOV-2008 10:47:51; Bright; 38.5; 150; 44Zet Per ; 2.89; 28000;occ; 77; 0;35304  
6; 2617.9; 30-NOV-2008 10:50:17; Bright; 37.5; 149; 45Eps Per ; 2.89; 30000;occ; 75; 0;35304  
7; 2851.5; 30-NOV-2008 10:54:11; Bright; 46.5; 6; 13Alp Aur ; 0.08; 3400;occ; 93; 0;35304  
8; 2962.5; 30-NOV-2008 10:56:02; Bright; 50.0; 42; 34Bet Aur ; 1.90; 10200;occ; 100; 0;35304  
9; 3822.9; 30-NOV-2008 11:10:22; Bright; 43.5; 36; 50Alp UMa ; 1.80; 6300;occ; 87; 0;35304  
10; 3919.4; 30-NOV-2008 11:11:59; Bright; 47.5; 82; 48Bet UMa ; 2.37; 10600;occ; 95; 0;35304  
11; 4015.2; 30-NOV-2008 11:13:34; Bright; 39.5; 32; 77Eps UMa ; 1.76; 11000;occ; 79; 0;35304  
12; 4188.8; 30-NOV-2008 11:16:28; Bright; 55.0; 174; 52Psi UMa ; 3.00; 4400;occ; 110; 0;35304  
13; 4347.9; 30-NOV-2008 11:19:07; Bright; 39.5; 152; 12Alp2CVn ; 2.89; 11000;occ; 79; 0;35304  
14; 4919.7; 30-NOV-2008 11:28:39; Bright; 58.0; 62; 94Bet Leo ; 2.14; 9700;occ; 116; 0;35304  
15; 5117.9; 30-NOV-2008 11:31:57; Bright; 42.5; 121; 29Gam Vir ; 2.74; 7200;occ; 85; 0;35304  
16; 5456.8; 30-NOV-2008 11:37:36; Dark ; 45.5; 100; 4Gam Crv ; 2.58; 13100;occ; 91; 0;35304  
17; 5552.4; 30-NOV-2008 11:39:12; Dark ; 45.0; 171; 2Eps Crv ; 3.00; 4250;occ; 90; 0;35304  
18; 6439.6; 30-NOV-2008 11:53:59; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;35304  
19; 6638.0; 30-NOV-2008 11:57:17; Dark ; 46.0; 34; Gam2Vel ; 1.79; 23000;occ; 92; 0;35304  
20; 6742.9; 30-NOV-2008 11:59:02; Dark ; 52.5; 70; Zet Pup ; 2.25; 39000;occ; 105; 0;35304  
21; 6952.0; 30-NOV-2008 12:02:31; Dark ; 65.0; 117; Pi Pup ; 2.71; 3800;occ; 130; 0;35304  
22; 7097.7; 30-NOV-2008 12:04:57; Dark ; 42.0; 88; 31Eta CMA ; 2.45; 20000;occ; 84; 0;35304  
23; 7180.5; 30-NOV-2008 12:06:20; Dark ; 68.5; 23; 21Eps CMA ; 1.50; 26000;occ; 137; 0;35304

/nas3/ENVISAT/GOMOS/GOM\_NL\_\_0P/GOM\_NL\_\_0PNPDK20081130\_121251\_000060442074\_00181\_35305\_2766.N1

1; 1535.5; 30-NOV-2008 12:12:51; Dark ; 53.5; 101; 11Alp Lep ; 2.58; 7000;occ; 107; 0;35305  
2; 1752.9; 30-NOV-2008 12:16:28; Dark ; 68.0; 7; 19Bet Ori ; 0.10; 14000;occ; 136; 0;35305  
3; 1935.2; 30-NOV-2008 12:19:30; Dark ; 57.5; 30; 46Eps Ori ; 1.69; 30000;occ; 115; 0;35305  
4; 2099.0; 30-NOV-2008 12:22:14; Dark ; 60.0; 27; 24Gam Ori ; 1.64; 26000;occ; 120; 0;35305  
5; 2233.8; 30-NOV-2008 12:24:29; Bright; 53.5; 13; 87Alp Tau ; 0.87; 3800;occ; 107; 0;35305  
6; 2471.8; 30-NOV-2008 12:28:27; Bright; 36.5; 150; 44Zet Per ; 2.89; 28000;occ; 73; 0;35305  
7; 2617.7; 30-NOV-2008 12:30:53; Bright; 36.5; 149; 45Eps Per ; 2.89; 30000;occ; 73; 0;35305  
8; 2850.8; 30-NOV-2008 12:34:46; Bright; 48.5; 6; 13Alp Aur ; 0.08; 3400;occ; 97; 0;35305  
9; 2961.5; 30-NOV-2008 12:36:37; Bright; 52.0; 42; 34Bet Aur ; 1.90; 10200;occ; 104; 0;35305  
10; 3822.6; 30-NOV-2008 12:50:58; Bright; 45.0; 36; 50Alp UMa ; 1.80; 6300;occ; 90; 0;35305  
11; 3919.0; 30-NOV-2008 12:52:34; Bright; 46.0; 82; 48Bet UMa ; 2.37; 10600;occ; 92; 0;35305  
12; 4015.1; 30-NOV-2008 12:54:10; Bright; 38.5; 32; 77Eps UMa ; 1.76; 11000;occ; 77; 0;35305  
13; 4188.7; 30-NOV-2008 12:57:04; Bright; 51.5; 174; 52Psi UMa ; 3.00; 4400;occ; 103; 0;35305  
14; 4348.1; 30-NOV-2008 12:59:43; Bright; 39.0; 152; 12Alp2CVn ; 2.89; 11000;occ; 78; 0;35305  
15; 4920.4; 30-NOV-2008 13:09:16; Bright; 56.5; 62; 94Bet Leo ; 2.14; 9700;occ; 113; 0;35305  
16; 5118.4; 30-NOV-2008 13:12:34; Bright; 43.0; 121; 29Gam Vir ; 2.74; 7200;occ; 86; 0;35305  
17; 5457.7; 30-NOV-2008 13:18:13; Dark ; 46.0; 100; 4Gam Crv ; 2.58; 13100;occ; 92; 0;35305  
18; 5553.2; 30-NOV-2008 13:19:48; Dark ; 51.5; 171; 2Eps Crv ; 3.00; 4250;occ; 103; 0;35305  
19; 6440.5; 30-NOV-2008 13:34:36; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;35305  
20; 6638.8; 30-NOV-2008 13:37:54; Dark ; 46.0; 34; Gam2Vel ; 1.79; 23000;occ; 92; 0;35305  
21; 6743.8; 30-NOV-2008 13:39:39; Dark ; 54.5; 70; Zet Pup ; 2.25; 39000;occ; 109; 0;35305  
22; 6952.9; 30-NOV-2008 13:43:08; Dark ; 61.5; 117; Pi Pup ; 2.71; 3800;occ; 123; 0;35305  
23; 7098.8; 30-NOV-2008 13:45:34; Dark ; 44.0; 88; 31Eta CMA ; 2.45; 20000;occ; 88; 0;35305  
24; 7181.3; 30-NOV-2008 13:46:56; Dark ; 66.5; 23; 21Eps CMA ; 1.50; 26000;occ; 133; 0;35305  
25; 7571.6; 30-NOV-2008 13:53:27; Dark ; 8.5; 101; 11Alp Lep ; 2.58; 7000;occ; 17; 0;35305

/nas3/ENVISAT/GOMOS/GOM\_NL\_\_0P/GOM\_NL\_\_0PNPDK20081130\_135327\_000057132074\_00182\_35306\_2767.N1

1; 1535.7; 30-NOV-2008 13:53:27; Dark ; 52.5; 101; 11Alp Lep ; 2.58; 7000;occ; 105; 0;35306  
 2; 1752.9; 30-NOV-2008 13:57:04; Dark ; 67.5; 7; 19Bet Ori ; 0.10; 14000;occ; 135; 0;35306  
 3; 1934.9; 30-NOV-2008 14:00:06; Dark ; 63.0; 30; 46Eps Ori ; 1.69; 30000;occ; 126; 0;35306  
 4; 2098.4; 30-NOV-2008 14:02:49; Dark ; 60.0; 27; 24Gam Ori ; 1.64; 26000;occ; 120; 0;35306  
 5; 2233.5; 30-NOV-2008 14:05:04; Bright; 55.5; 13; 87Alp Tau ; 0.87; 3800;occ; 111; 0;35306  
 6; 2471.6; 30-NOV-2008 14:09:03; Bright; 37.5; 150; 44Zet Per ; 2.89; 28000;occ; 75; 0;35306  
 7; 2617.5; 30-NOV-2008 14:11:28; Bright; 38.0; 149; 45Eps Per ; 2.89; 30000;occ; 76; 0;35306  
 8; 2850.2; 30-NOV-2008 14:15:21; Bright; 51.5; 6; 13Alp Aur ; 0.08; 3400;occ; 103; 0;35306  
 9; 2960.7; 30-NOV-2008 14:17:12; Bright; 50.5; 42; 34Bet Aur ; 1.90; 10200;occ; 101; 0;35306  
 10; 3822.5; 30-NOV-2008 14:31:33; Bright; 45.0; 36; 50Alp UMa ; 1.80; 6300;occ; 90; 0;35306  
 11; 3918.8; 30-NOV-2008 14:33:10; Bright; 47.0; 82; 48Bet UMa ; 2.37; 10600;occ; 94; 0;35306  
 12; 4015.1; 30-NOV-2008 14:34:46; Bright; 40.0; 32; 77Eps UMa ; 1.76; 11000;occ; 80; 0;35306  
 13; 4188.5; 30-NOV-2008 14:37:39; Bright; 54.0; 174; 52Psi UMa ; 3.00; 4400;occ; 108; 0;35306  
 14; 4348.2; 30-NOV-2008 14:40:19; Bright; 38.5; 152; 12Alp2CVn ; 2.89; 11000;occ; 77; 0;35306  
 15; 4921.2; 30-NOV-2008 14:49:52; Bright; 55.0; 62; 94Bet Leo ; 2.14; 9700;occ; 110; 0;35306  
 16; 5119.1; 30-NOV-2008 14:53:10; Bright; 41.5; 121; 29Gam Vir ; 2.74; 7200;occ; 83; 0;35306  
 17; 5458.4; 30-NOV-2008 14:58:49; Dark ; 45.5; 100; 4Gam Crv ; 2.58; 13100;occ; 91; 0;35306  
 18; 5554.1; 30-NOV-2008 15:00:25; Dark ; 46.5; 171; 2Eps Crv ; 3.00; 4250;occ; 93; 0;35306  
 19; 6441.4; 30-NOV-2008 15:15:12; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;35306  
 20; 6639.8; 30-NOV-2008 15:18:31; Dark ; 47.0; 34; Gam2Vel ; 1.79; 23000;occ; 94; 0;35306  
 21; 6745.0; 30-NOV-2008 15:20:16; Dark ; 53.0; 70; Zet Pup ; 2.25; 39000;occ; 106; 0;35306  
 22; 6953.7; 30-NOV-2008 15:23:45; Dark ; 59.5; 117; Pi Pup ; 2.71; 3800;occ; 119; 0;35306  
 23; 7099.7; 30-NOV-2008 15:26:11; Dark ; 44.0; 88; 31Eta CMA ; 2.45; 20000;occ; 88; 0;35306  
 24; 7182.0; 30-NOV-2008 15:27:33; Dark ; 67.0; 23; 21Eps CMA ; 1.50; 26000;occ; 134; 0;35306

/nas3/ENVISAT/GOMOS/GOM\_NL\_\_0P/GOM\_NL\_\_0PNPDK20081130\_153403\_000056612074\_00183\_35307\_2768.N1

1; 1536.0; 30-NOV-2008 15:34:03; Dark ; 52.5; 101; 11Alp Lep ; 2.58; 7000;occ; 105; 0;35307  
 2; 1752.8; 30-NOV-2008 15:37:40; Dark ; 61.5; 7; 19Bet Ori ; 0.10; 14000;occ; 123; 0;35307  
 3; 1934.5; 30-NOV-2008 15:40:41; Dark ; 61.0; 30; 46Eps Ori ; 1.69; 30000;occ; 122; 0;35307  
 4; 2097.8; 30-NOV-2008 15:43:25; Dark ; 60.5; 27; 24Gam Ori ; 1.64; 26000;occ; 121; 0;35307  
 5; 2233.1; 30-NOV-2008 15:45:40; Bright; 54.0; 13; 87Alp Tau ; 0.87; 3800;occ; 108; 0;35307  
 6; 2471.5; 30-NOV-2008 15:49:38; Bright; 38.5; 150; 44Zet Per ; 2.89; 28000;occ; 77; 0;35307  
 7; 2617.1; 30-NOV-2008 15:52:04; Bright; 38.0; 149; 45Eps Per ; 2.89; 30000;occ; 76; 0;35307  
 8; 2849.4; 30-NOV-2008 15:55:56; Bright; 47.0; 6; 13Alp Aur ; 0.08; 3400;occ; 94; 0;35307  
 9; 2959.7; 30-NOV-2008 15:57:47; Bright; 51.0; 42; 34Bet Aur ; 1.90; 10200;occ; 102; 0;35307  
 10; 3822.1; 30-NOV-2008 16:12:09; Bright; 46.0; 36; 50Alp UMa ; 1.80; 6300;occ; 92; 0;35307  
 11; 3918.5; 30-NOV-2008 16:13:45; Bright; 46.5; 82; 48Bet UMa ; 2.37; 10600;occ; 93; 0;35307  
 12; 4015.0; 30-NOV-2008 16:15:22; Bright; 39.0; 32; 77Eps UMa ; 1.76; 11000;occ; 78; 0;35307  
 13; 4188.1; 30-NOV-2008 16:18:15; Bright; 49.5; 174; 52Psi UMa ; 3.00; 4400;occ; 99; 0;35307  
 14; 4348.1; 30-NOV-2008 16:20:55; Bright; 38.0; 152; 12Alp2CVn ; 2.89; 11000;occ; 76; 0;35307  
 15; 4921.9; 30-NOV-2008 16:30:29; Bright; 55.0; 62; 94Bet Leo ; 2.14; 9700;occ; 110; 0;35307  
 16; 5119.6; 30-NOV-2008 16:33:47; Bright; 43.5; 121; 29Gam Vir ; 2.74; 7200;occ; 87; 0;35307  
 17; 5459.3; 30-NOV-2008 16:39:26; Dark ; 45.0; 100; 4Gam Crv ; 2.58; 13100;occ; 90; 0;35307  
 18; 5555.0; 30-NOV-2008 16:41:02; Dark ; 47.0; 171; 2Eps Crv ; 3.00; 4250;occ; 94; 0;35307  
 19; 6442.3; 30-NOV-2008 16:55:49; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;35307  
 20; 6640.8; 30-NOV-2008 16:59:08; Dark ; 49.5; 34; Gam2Vel ; 1.79; 23000;occ; 99; 0;35307  
 21; 6746.1; 30-NOV-2008 17:00:53; Dark ; 53.5; 70; Zet Pup ; 2.25; 39000;occ; 107; 0;35307  
 22; 6954.6; 30-NOV-2008 17:04:22; Dark ; 73.5; 117; Pi Pup ; 2.71; 3800;occ; 147; 0;35307  
 23; 7100.7; 30-NOV-2008 17:06:48; Dark ; 47.0; 88; 31Eta CMA ; 2.45; 20000;occ; 94; 0;35307  
 24; 7182.8; 30-NOV-2008 17:08:10; Dark ; 14.5; 23; 21Eps CMA ; 1.50; 26000;occ; 29; 0;35307

/nas3/ENVISAT/GOMOS/GOM\_NL\_\_0P/GOM\_NL\_\_0PNPDK20081130\_170649\_000059462074\_00184\_35308\_2769.N1

1; 1065.7; 30-NOV-2008 17:06:49; Dark ; 47.0; 88; 31Eta CMA ; 2.45; 20000;occ; 94; 2;35308  
 2; 1146.8; 30-NOV-2008 17:08:10; Dark ; 68.5; 23; 21Eps CMA ; 1.50; 26000;occ; 137; 0;35308  
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 6; 2097.3; 30-NOV-2008 17:24:00; Dark ; 60.5; 27; 24Gam Ori ; 1.64; 26000;occ; 121; 0;35308  
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 13; 3917.8; 30-NOV-2008 17:54:21; Bright; 46.5; 82; 48Bet UMa ; 2.37; 10600;occ; 93; 0;35308  
 14; 4014.9; 30-NOV-2008 17:55:58; Bright; 37.0; 32; 77Eps UMa ; 1.76; 11000;occ; 74; 0;35308  
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 16; 4348.3; 30-NOV-2008 18:01:31; Bright; 39.5; 152; 12Alp2CVn ; 2.89; 11000;occ; 79; 0;35308  
 17; 4922.6; 30-NOV-2008 18:11:06; Bright; 58.0; 62; 94Bet Leo ; 2.14; 9700;occ; 116; 0;35308

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