

# GOMOS Daily Report 04-APR-2006

## Level 0 and Level 1 products

### SUMMARY

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

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

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

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

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

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

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

[4.2 Plot of Dark Charge](#)

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

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

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

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

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

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

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

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

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

#### [7. Statistics on SATU Noise Equivalent Angle](#)

#### [8. Auxiliary Data Files used for the production reported in section 2.2](#)

## [Level 2 products](#)

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### 1. General Info

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	06APR2006 04:38:11

Data source version	GOMOS/4.02
Start time of products	QDS_YESTERDAY(/START)-1D (04APR2006 00:00:00)
Stop time of products	QDS_YESTERDAY(/STOP)-1D (05APR2006 00:00:00)
Store outputs in DB	Yes
Nb of level 1b prods	50
Nb of prods with errors	0

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

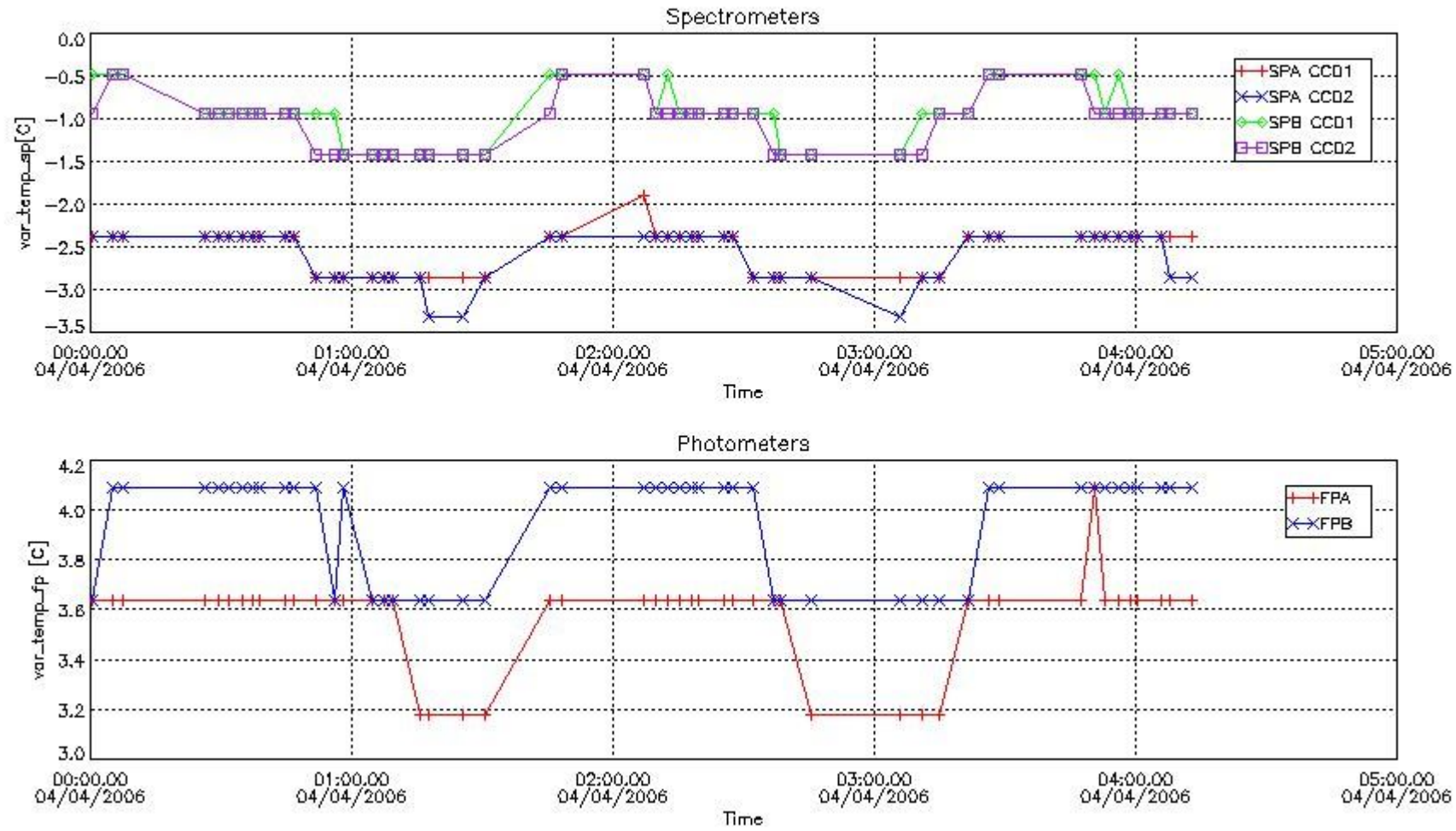
### 2.1 Level 0 products arrived in PCF (see template [here](#))

### 2.2 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_1PNPDE20060404_000021_000000462046_00302_21398_0019.N1	04-APR-2006 00:00:21	Twilight	46.000	61	8Eps Peg	2.1000	3900.0	92	21398	No
2	GOM_TRA_1PNPDE20060404_000500_000000432046_00302_21398_0020.N1	04-APR-2006 00:05:00	Twilight	43.000	154	22Bet Aqr	2.8990	5700.0	86	21398	No
3	GOM_TRA_1PNPDE20060404_000733_000000402046_00302_21398_0021.N1	04-APR-2006 00:07:33	Twilight	39.500	142	49Del Cap	2.8500	8900.0	79	21398	No
4	GOM_TRA_1PNPDE20060404_002622_000000422046_00303_21399_0000.N1	04-APR-2006 00:26:22	Dark	42.000	141	Bet Ara	2.8400	4600.0	84	21399	No
5	GOM_TRA_1PNPDE20060404_002915_000000392046_00303_21399_0001.N1	04-APR-2006 00:29:15	Dark	38.500	134	Bet TrA	2.8100	6600.0	77	21399	No
6	GOM_TRA_1PNPDE20060404_003152_000000442046_00303_21399_0002.N1	04-APR-2006 00:31:52	Dark	44.000	4	Alp1Cen	-0.010000	5800.0	88	21399	No
7	GOM_TRA_1PNPDE20060404_003443_000000442046_00303_21399_0003.N1	04-APR-2006 00:34:43	Dark	44.000	78	Alp Lup	2.3040	28000.	88	21399	No
8	GOM_TRA_1PNPDE20060404_003725_000000422046_00303_21399_0004.N1	04-APR-2006 00:37:25	Twilight	41.500	64	Gam Cen	2.2000	10600.	83	21399	No
9	GOM_TRA_1PNPDE20060404_003859_000000532046_00303_21399_0005.N1	04-APR-2006 00:38:59	Twilight	52.500	54	5The Cen	2.0550	4500.0	105	21399	No
10	GOM_TRA_1PNPDE20060404_004447_000000402046_00303_21399_0006.N1	04-APR-2006 00:44:47	Bright	40.000	106	9Bet Crv	2.6480	5600.0	80	21399	No
11	GOM_TRA_1PNPDE20060404_004642_000000402046_00303_21399_0007.N1	04-APR-2006 00:46:42	Bright	40.000	100	4Gam Crv	2.5800	13100.	80	21399	No
12	GOM_TRA_1PNPDE20060404_005137_000000432046_00303_21399_0008.N1	04-APR-2006 00:51:37	Bright	42.500	121	29Gam Vir	2.7400	7200.0	85	21399	No
13	GOM_TRA_1PNPDE20060404_005616_000000382046_00303_21399_0009.N1	04-APR-2006 00:56:16	Bright	38.000	62	94Bet Leo	2.1360	9700.0	76	21399	No
14	GOM_TRA_1PNPDE20060404_005756_000000352046_00303_21399_0010.N1	04-APR-2006 00:57:56	Bright	34.500	96	68Del Leo	2.5600	9300.0	69	21399	No
15	GOM_TRA_1PNPDE20060404_010443_000000362046_00303_21399_0011.N1	04-APR-2006 01:04:43	Bright	36.000	174	52Psi UMa	3.0040	4400.0	72	21399	No
16	GOM_TRA_1PNPDE20060404_010738_000000352046_00303_21399_0012.N1	04-APR-2006 01:07:38	Bright	35.000	87	64Gam UMa	2.4330	11000.	70	21399	No
17	GOM_TRA_1PNPDE20060404_010934_000000362046_00303_21399_0013.N1	04-APR-2006 01:09:34	Bright	35.500	36	50Alp UMa	1.8000	6300.0	71	21399	No
18	GOM_TRA_1PNPDE20060404_011543_000000412046_00303_21399_0014.N1	04-APR-2006 01:15:43	Bright	40.500	60	7Bet UMi	2.0810	3950.0	81	21399	No
19	GOM_TRA_1PNPDE20060404_011739_000000352046_00303_21399_0015.N1	04-APR-2006 01:17:39	Bright	34.500	49	1Alp UMi	1.9900	6300.0	69	21399	No
20	GOM_TRA_1PNPDE20060404_012518_000000372046_00303_21399_0016.N1	04-APR-2006 01:25:18	Bright	37.000	89	5Alp Cep	2.4510	8000.0	74	21399	No
21	GOM_TRA_1PNPDE20060404_013030_000000422046_00303_21399_0017.N1	04-APR-2006 01:30:30	Bright	42.000	19	50Alp Cyg	1.2460	10500.	84	21399	No
22	GOM_TRA_1PNPDE20060404_014537_000000432046_00303_21399_0000.N1	04-APR-2006 01:45:37	Twilight	43.000	154	22Bet Aqr	2.8990	5700.0	86	21399	No
23	GOM_TRA_1PNPDE20060404_014809_000000402046_00303_21399_0001.N1	04-APR-2006 01:48:09	Twilight	40.000	142	49Del Cap	2.8500	8900.0	80	21399	No
24	GOM_TRA_1PNPDE20060404_020659_000000432046_00304_21400_0002.N1	04-APR-2006 02:06:59	Dark	42.500	141	Bet Ara	2.8400	4600.0	85	21400	No
25	GOM_TRA_1PNPDE20060404_020952_000000402046_00304_21400_0003.N1	04-APR-2006 02:09:52	Dark	39.500	134	Bet TrA	2.8100	6600.0	79	21400	No
26	GOM_TRA_1PNPDE20060404_021228_000000492046_00304_21400_0004.N1	04-APR-2006 02:12:28	Dark	49.000	4	Alp1Cen	-0.010000	5800.0	98	21400	No
27	GOM_TRA_1PNPDE20060404_021519_000000462046_00304_21400_0005.N1	04-APR-2006 02:15:19	Dark	46.000	78	Alp Lup	2.3040	28000.	92	21400	No
28	GOM_TRA_1PNPDE20060404_021802_000000422046_00304_21400_0006.N1	04-APR-2006 02:18:02	Twilight	42.000	64	Gam Cen	2.2000	10600.	84	21400	No
29	GOM_TRA_1PNPDE20060404_021935_000000552046_00304_21400_0007.N1	04-APR-2006 02:19:35	Twilight	55.000	54	5The Cen	2.0550	4500.0	110	21400	No
30	GOM_TRA_1PNPDE20060404_022523_000000442046_00304_21400_0008.N1	04-APR-2006 02:25:23	Bright	44.000	106	9Bet Crv	2.6480	5600.0	88	21400	No
31	GOM_TRA_1PNPDE20060404_022718_000000432046_00304_21400_0009.N1	04-APR-2006 02:27:18	Bright	42.500	100	4Gam Crv	2.5800	13100.	85	21400	No
32	GOM_TRA_1PNPDE20060404_023213_000000432046_00304_21400_0010.N1	04-APR-2006 02:32:13	Bright	42.500	121	29Gam Vir	2.7400	7200.0	85	21400	No
33	GOM_TRA_1PNPDE20060404_023651_000000372046_00304_21400_0011.N1	04-APR-2006 02:36:51	Bright	36.500	62	94Bet Leo	2.1360	9700.0	73	21400	No
34	GOM_TRA_1PNPDE20060404_023832_000000362046_00304_21400_0012.N1	04-APR-2006 02:38:32	Bright	35.500	96	68Del Leo	2.5600	9300.0	71	21400	No
35	GOM_TRA_1PNPDE20060404_024519_000000372046_00304_21400_0013.N1	04-APR-2006 02:45:19	Bright	36.500	174	52Psi UMa	3.0040	4400.0	73	21400	No
36	GOM_TRA_1PNPDE20060404_030554_000000392046_00304_21400_0000.N1	04-APR-2006 03:05:54	Bright	38.500	89	5Alp Cep	2.4510	8000.0	77	21400	No
37	GOM_TRA_1PNPDE20060404_031106_000000432046_00304_21400_0001.N1	04-APR-2006 03:11:06	Bright	42.500	19	50Alp Cyg	1.2460	10500.	85	21400	No
38	GOM_TRA_1PNPDE20060404_031453_000000412046_00304_21400_0002.N1	04-APR-2006 03:14:53	Twilight	41.000	92	53Eps Cyg	2.5000	4500.0	82	21400	No
39	GOM_TRA_1PNPDE20060404_032133_000000472046_00304_21400_0003.N1	04-APR-2006 03:21:33	Twilight	47.000	61	8Eps Peg	2.1000	3900.0	94	21400	No
40	GOM_TRA_1PNPDE20060404_032613_000000442046_00304_21400_0004.N1	04-APR-2006 03:26:13	Twilight	44.000	154	22Bet Aqr	2.8990	5700.0	88	21400	No
41	GOM_TRA_1PNPDE20060404_032846_000000392046_00304_21400_0005.N1	04-APR-2006 03:28:46	Dark	39.000	142	49Del Cap	2.8500	8900.0	78	21400	No
42	GOM_TRA_1PNPDE20060404_034736_000000452046_00305_21401_0006.N1	04-APR-2006 03:47:36	Dark	45.000	141	Bet Ara	2.8400	4600.0	90	21401	No
43	GOM_TRA_1PNPDE20060404_035028_000000392046_00305_21401_0007.N1	04-APR-2006 03:50:28	Dark	39.000	134	Bet TrA	2.8100	6600.0	78	21401	No
44	GOM_TRA_1PNPDE20060404_035305_000000552046_00305_21401_0008.N1	04-APR-2006 03:53:05	Dark	55.000	4	Alp1Cen	-0.010000	5800.0	110	21401	No
45	GOM_TRA_1PNPDE20060404_035556_000000422046_00305_21401_0009.N1	04-APR-2006 03:55:56	Dark	42.000	78	Alp Lup	2.3040	28000.	84	21401	No
46	GOM_TRA_1PNPDE20060404_035838_000000382046_00305_21401_0010.N1	04-APR-2006 03:58:38	Twilight	38.000	64	Gam Cen	2.2000	10600.	76	21401	No

47	GOM_TRA_1PNPDE20060404_040012_00000502046_00305_21401_0011.N1	04-APR-2006 04:00:12	Twilight	49.500	54	5The Cen	2.0550	4500.0	99	21401	No
48	GOM_TRA_1PNPDE20060404_040559_00000442046_00305_21401_0012.N1	04-APR-2006 04:05:59	Bright	43.500	106	9Bet Crv	2.6480	5600.0	87	21401	No
49	GOM_TRA_1PNPDE20060404_040754_00000422046_00305_21401_0013.N1	04-APR-2006 04:07:54	Bright	41.500	100	4Gam Crv	2.5800	13100.	83	21401	No
50	GOM_TRA_1PNPDE20060404_041249_00000432046_00305_21401_0014.N1	04-APR-2006 04:12:49	Bright	42.500	121	29Gam Vir	2.7400	7200.0	85	21401	No

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



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

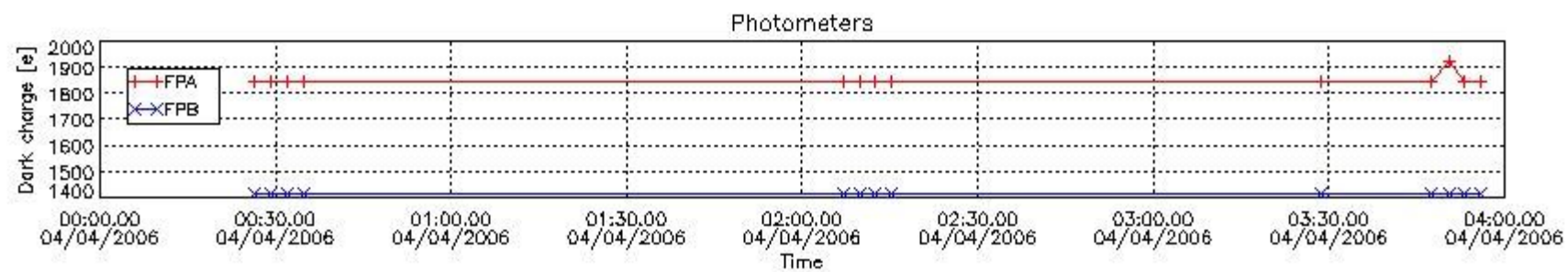
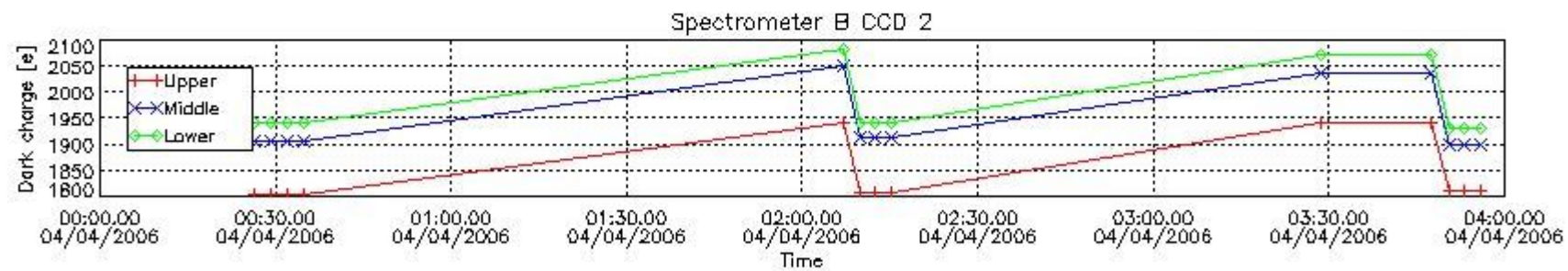
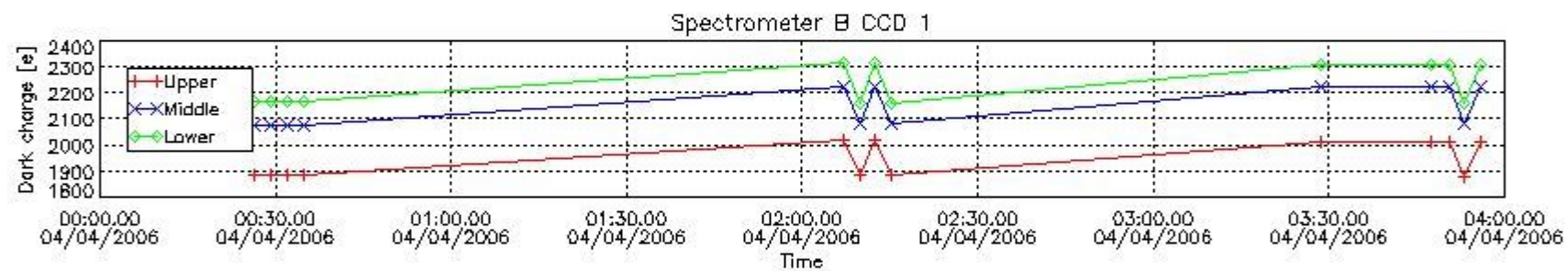
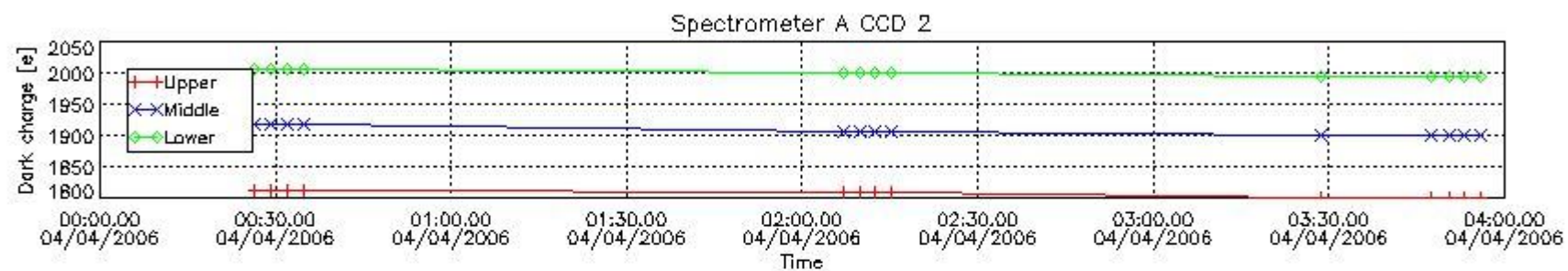
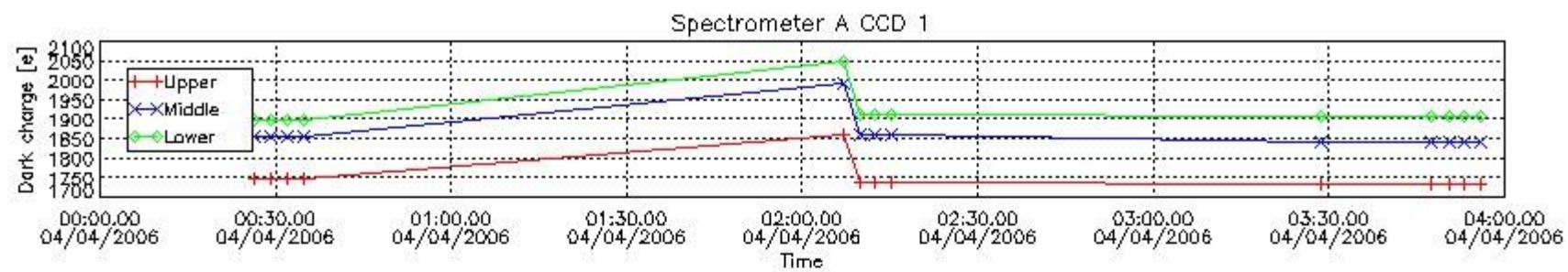
The Dark Charge (DC) is a temperature-dependant signal added to the useful measurements and it is therefore subtracted from them during the processing. There are two phenomena that produce a continuous increase of the DC: the "hot pixels" (a pixel is "hot" when its DC exceeds by a significant amount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





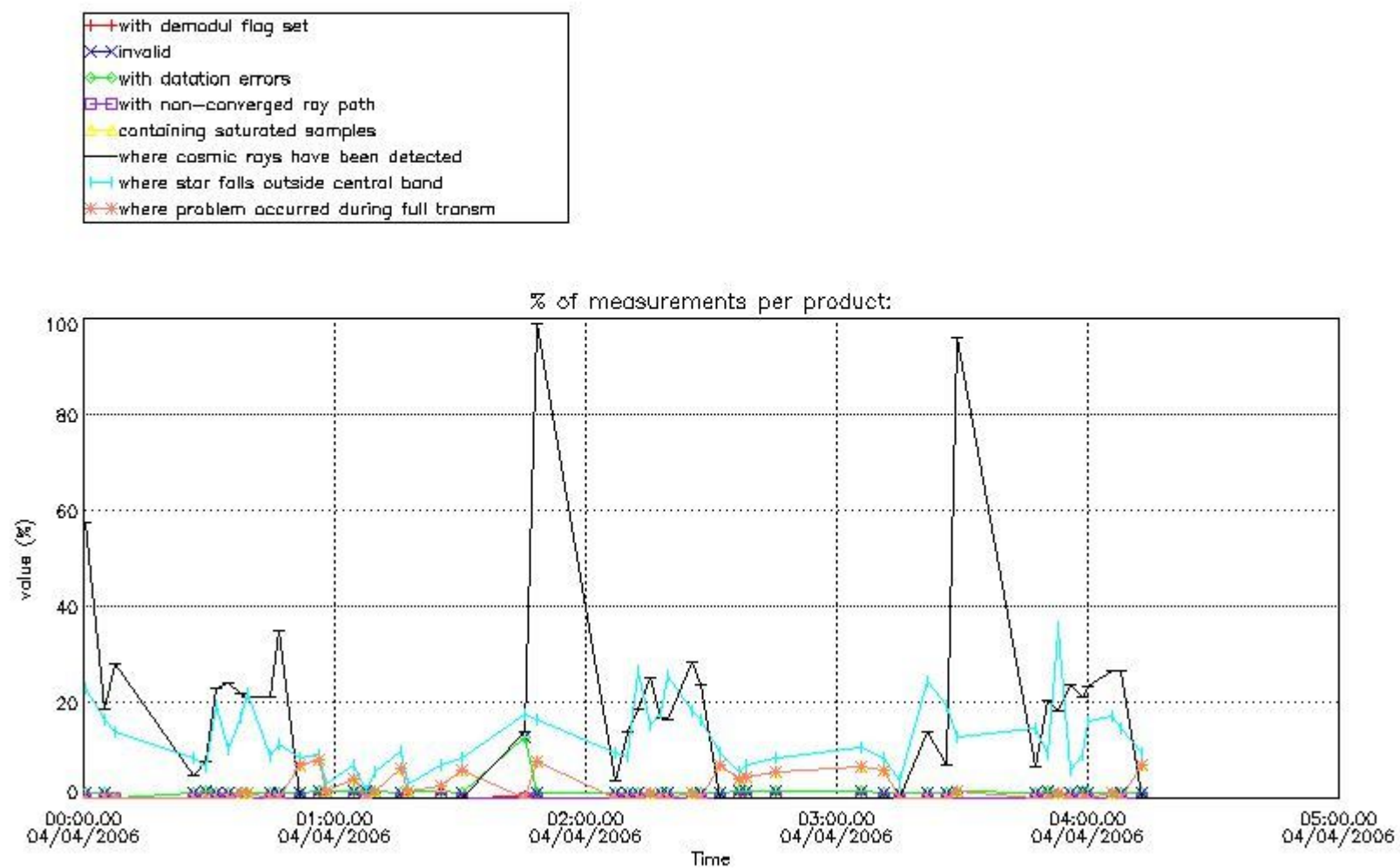
## 5. Demodulation flag and quality information monitoring

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:

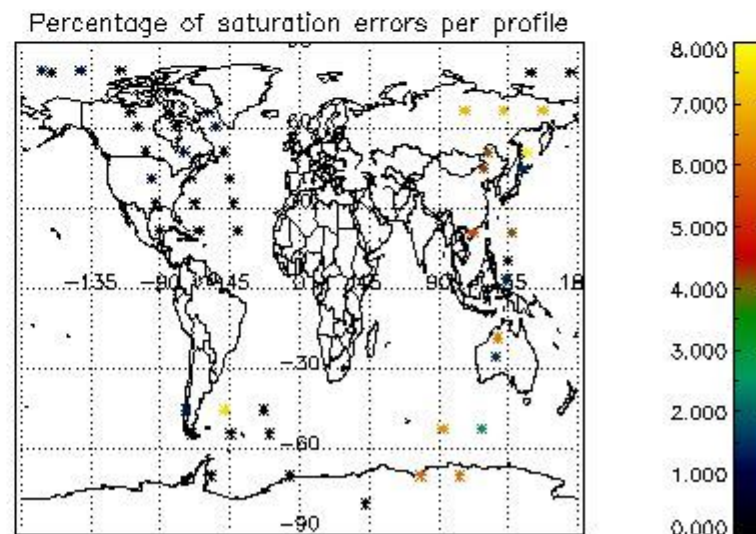
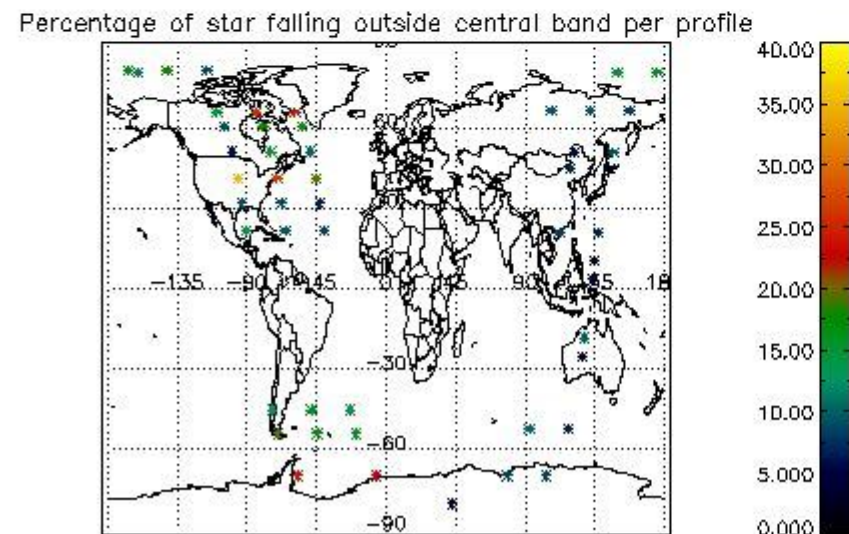
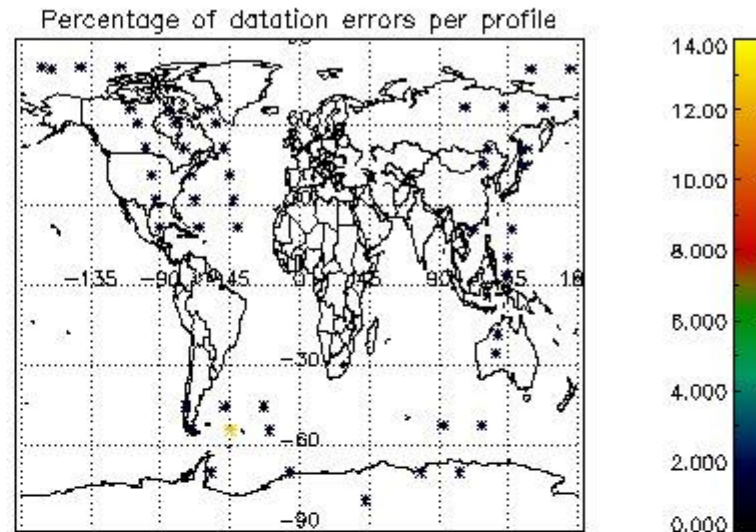
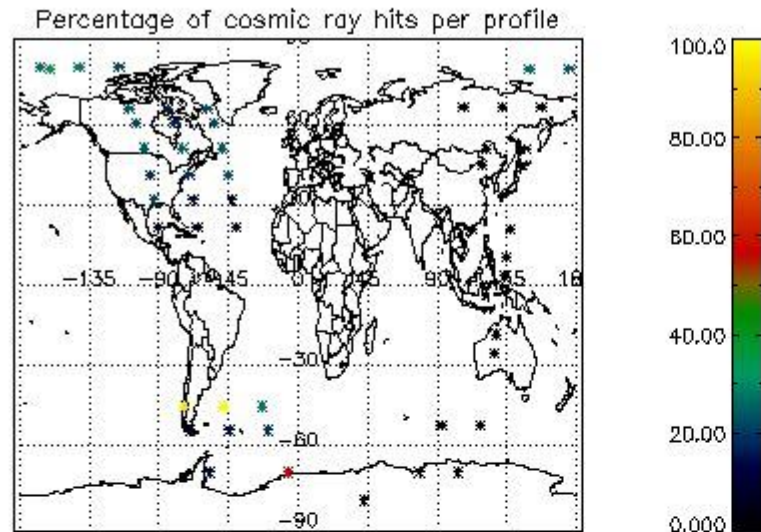
At least one measurement with demodulation flag set:	6.00000 %
Reference spectrum computed from DB:	0.00000 %
Reference spectrum with small number of measurements:	0.00000 %
SATU data not used:	0.00000 %

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



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





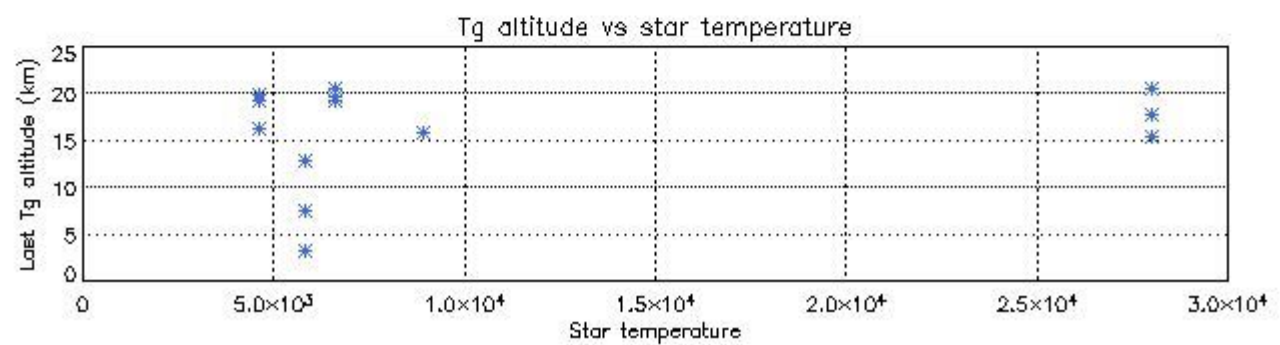
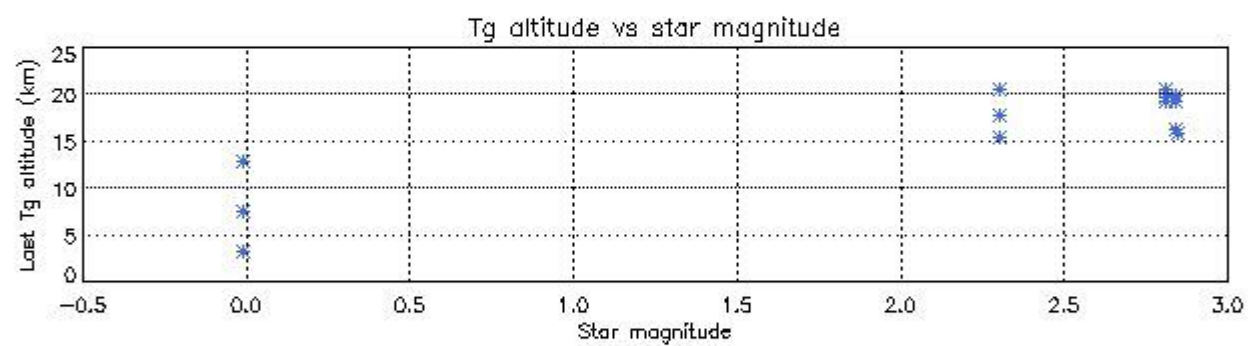
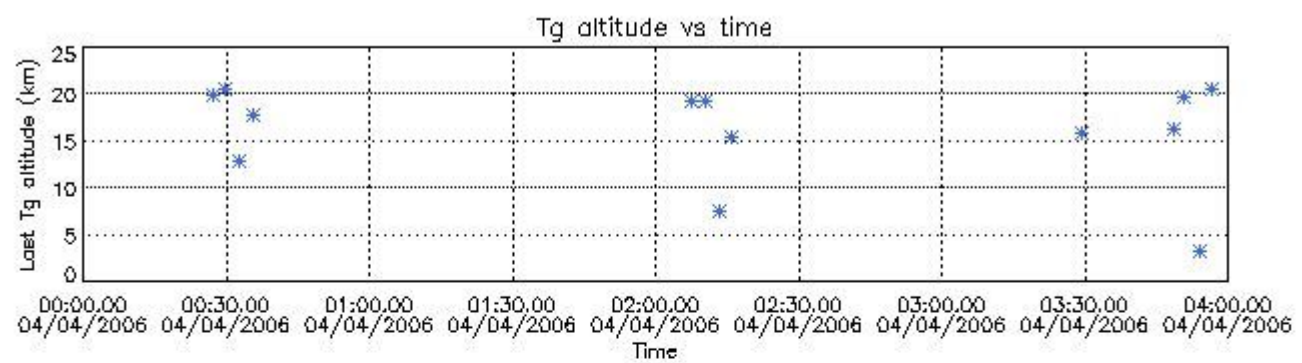
## 6. Statistics and plot of tangent altitude of the last measurement (DARK & BRIGHT products without errors)

### 6.1 Statistics on tangent altitude lost:

Statistics	DARK	BRIGHT	TWILIGHT
Mean:	15.979	18.920	13.593
St. deviation:	5.3100	3.2916	3.5262
Maximum:	20.559	25.541	22.811
Minimum:	3.1779	12.851	9.4874
Number of data:	13.000	23.000	14.000

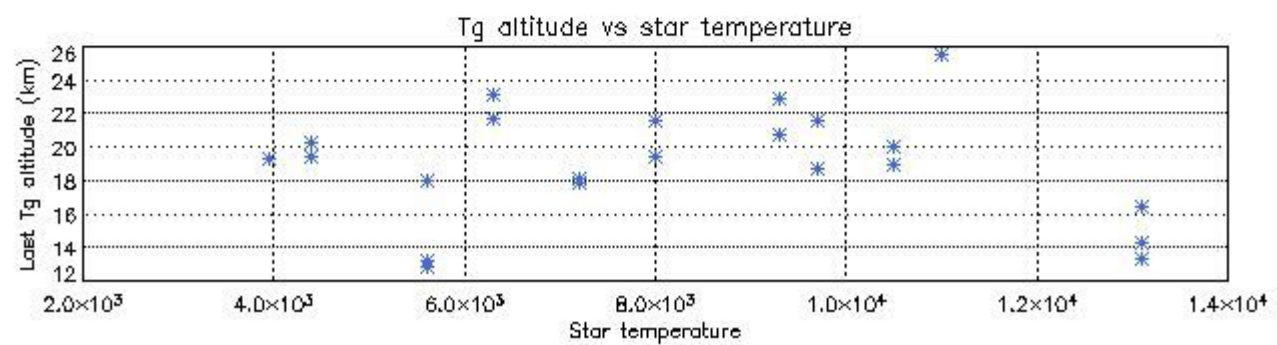
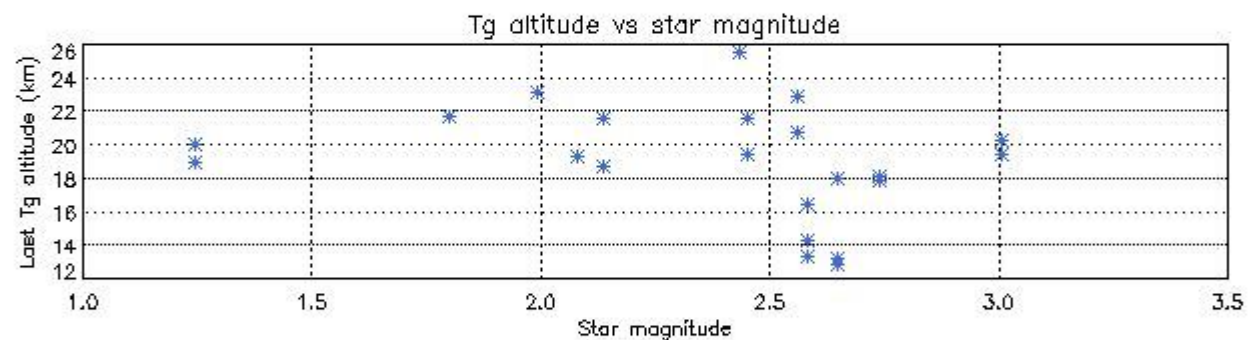
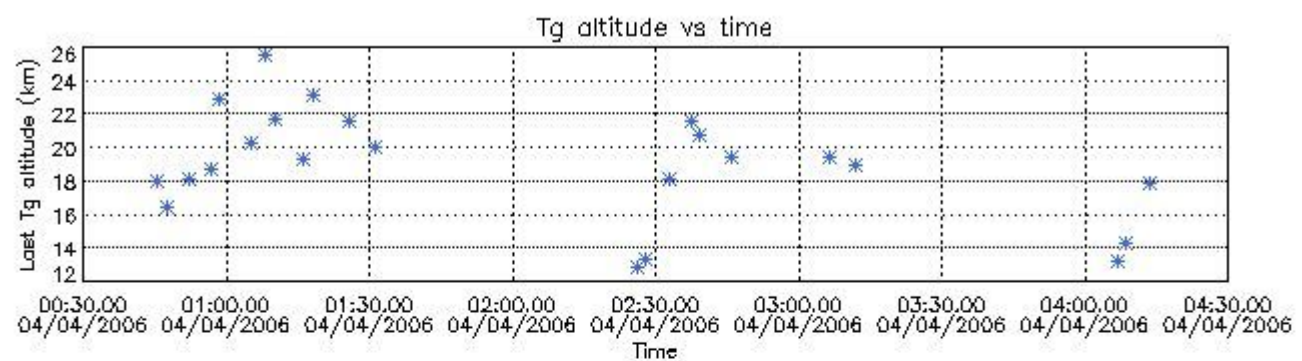
### 6.2 Plot for DARK limb products

Tangent altitude at which the star is lost



6.3 Plot for BRIGHT limb products

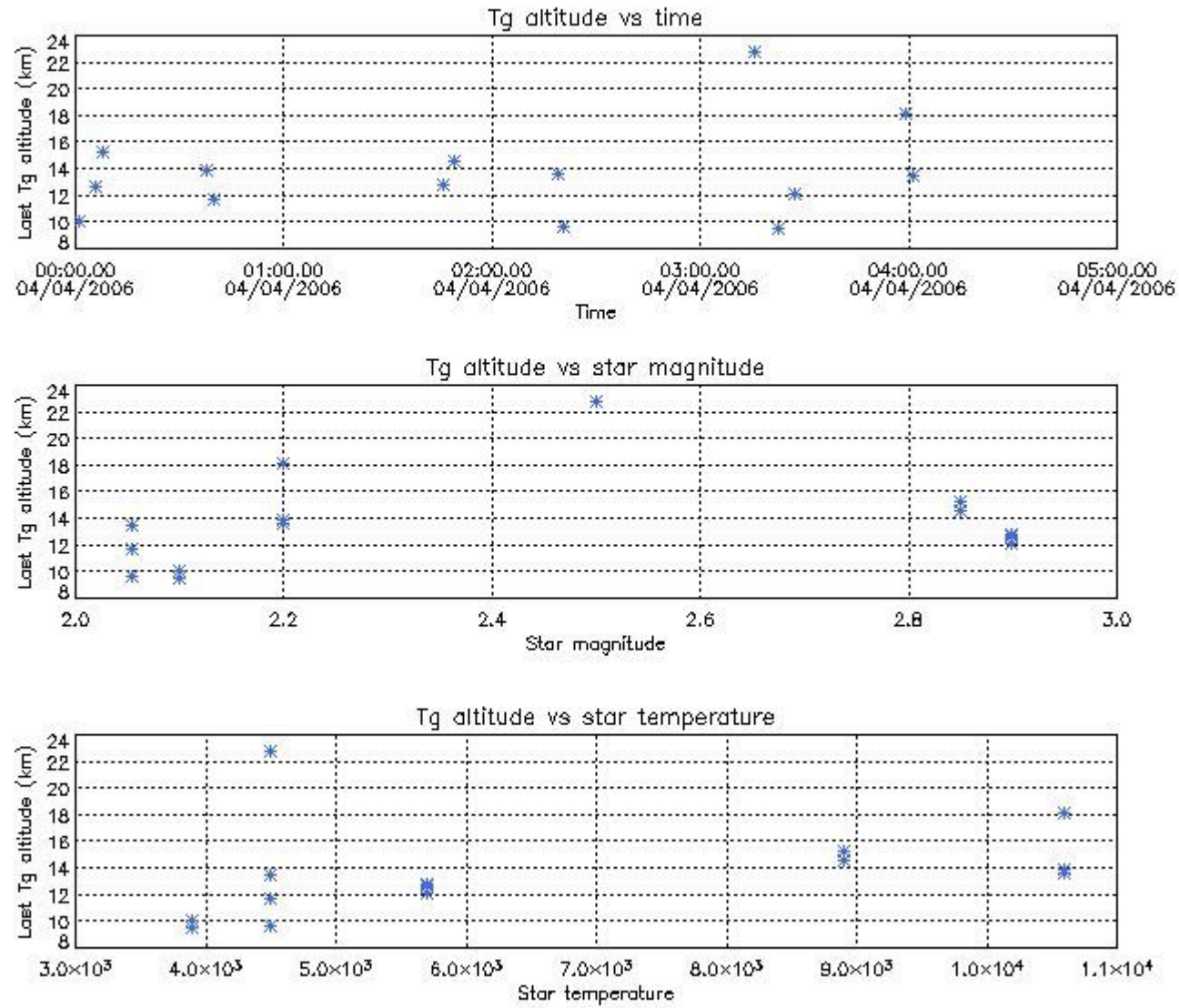
Tangent altitude at which the star is lost



6.3 Plot for TWILIGHT limb products



## Tangent altitude at which the star is lost



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

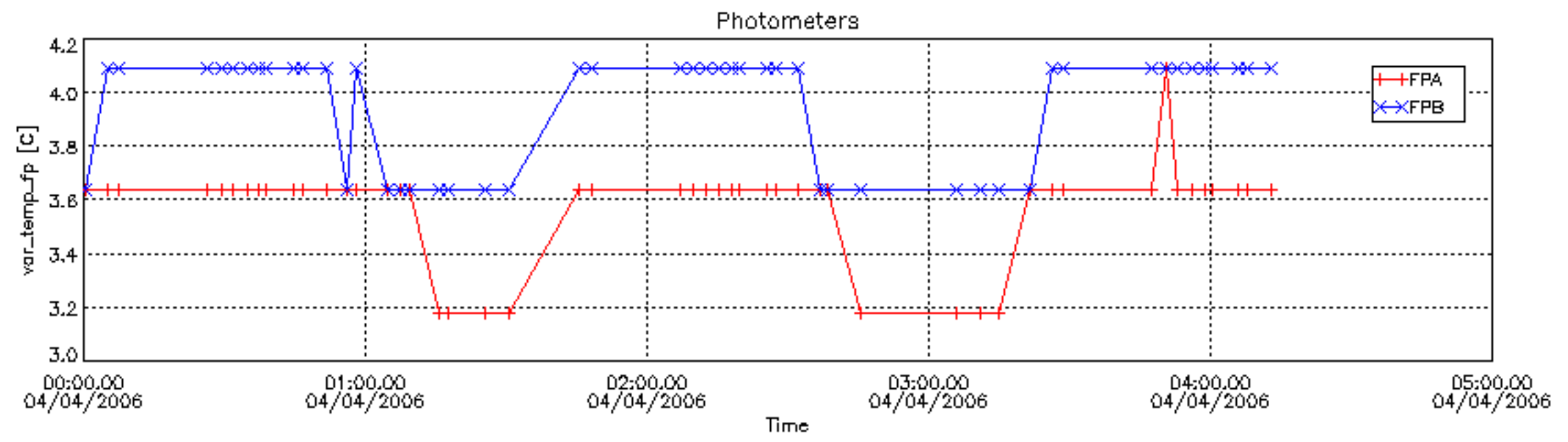
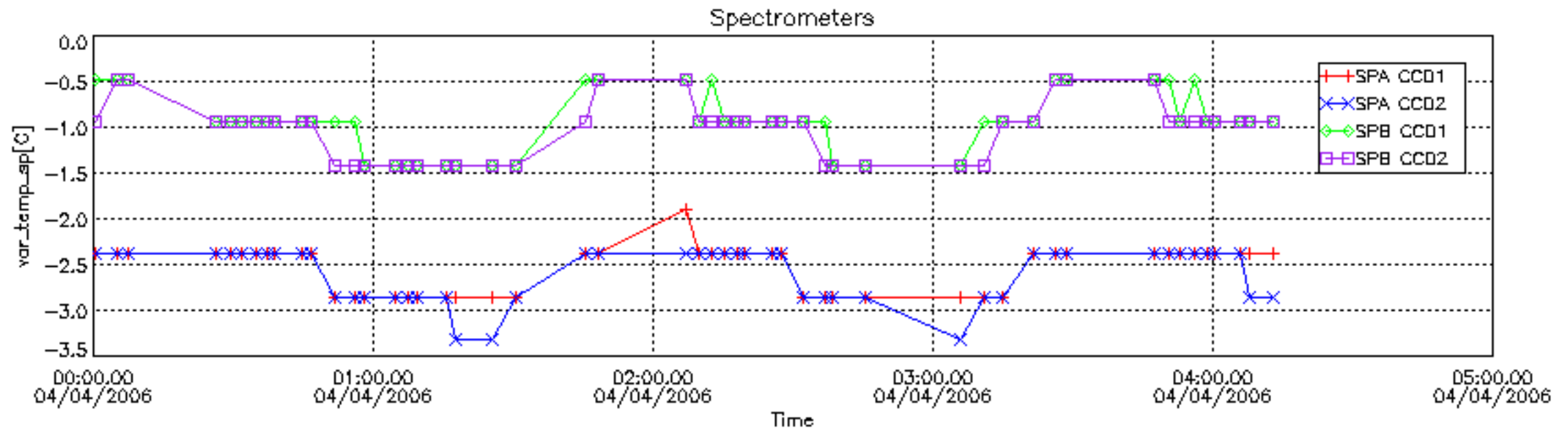
The Star Acquisition and Tracking Unit (it is the CCD that tracks the star while it is occulted) Noise Equivalent Angle consists of the statistical angular variation of the SATU data above the atmosphere. Statistics above 105 km are computed for every occultation, giving four values per occultation: 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.

Statistics	SATU X (D)	SATU Y (D)	SATU X (B)	SATU Y (B)
Mean:	1461.9	1446.6	1461.7	1446.4
St. deviation:	5.5270	6.8983	7.3611	8.4134
Maximum:	1491.0	1474.0	1495.0	1486.0
Minimum:	1438.0	1418.0	1436.0	1414.0
Number of data:	12250.	12250.	19800.	19800.

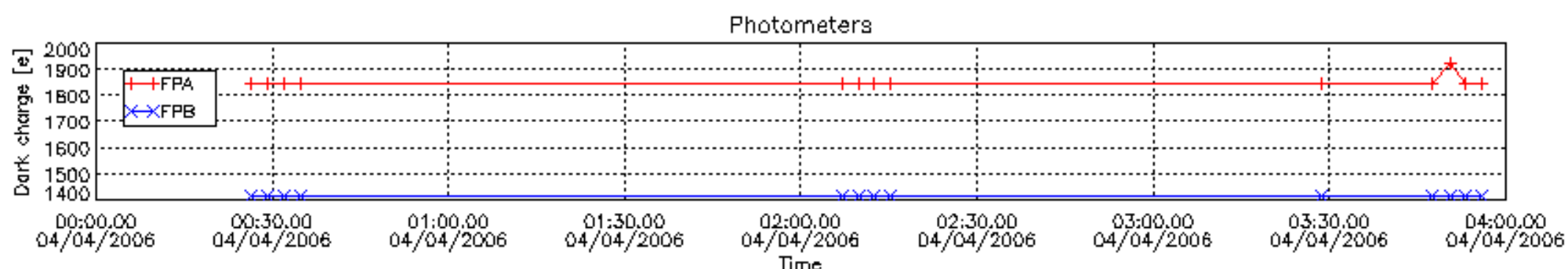
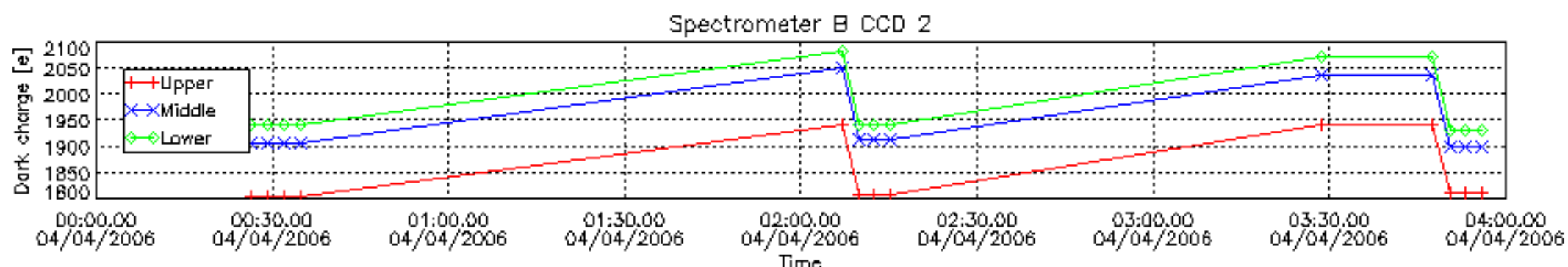
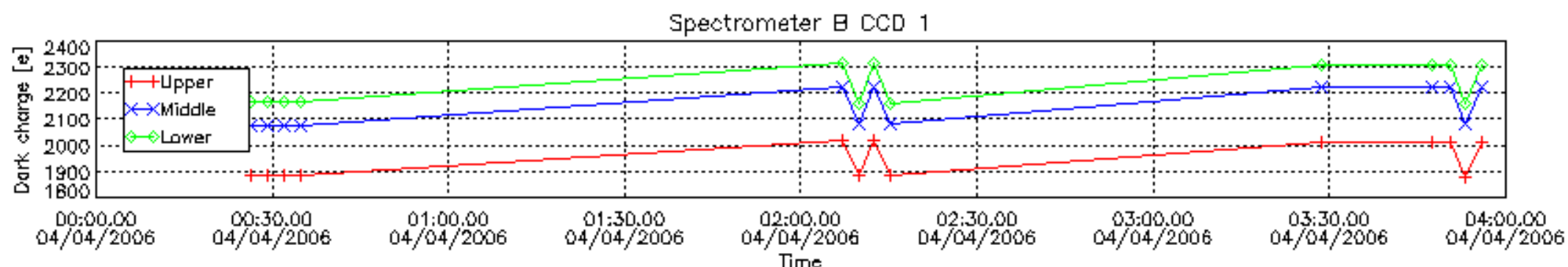
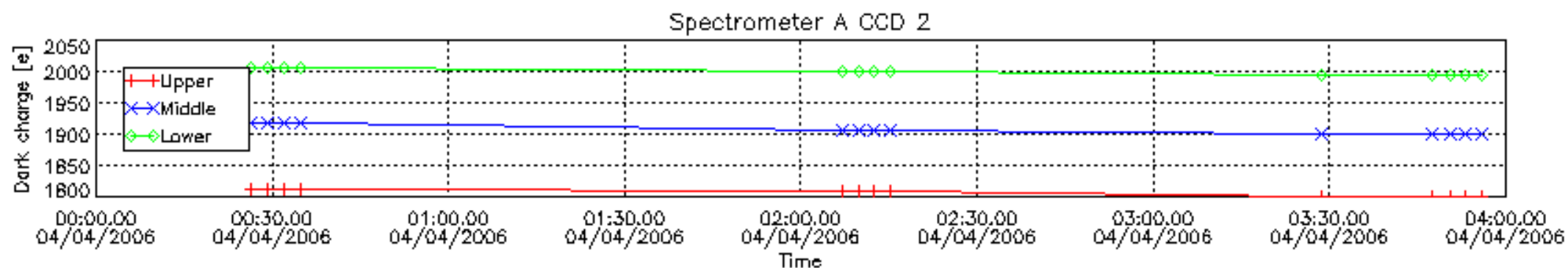
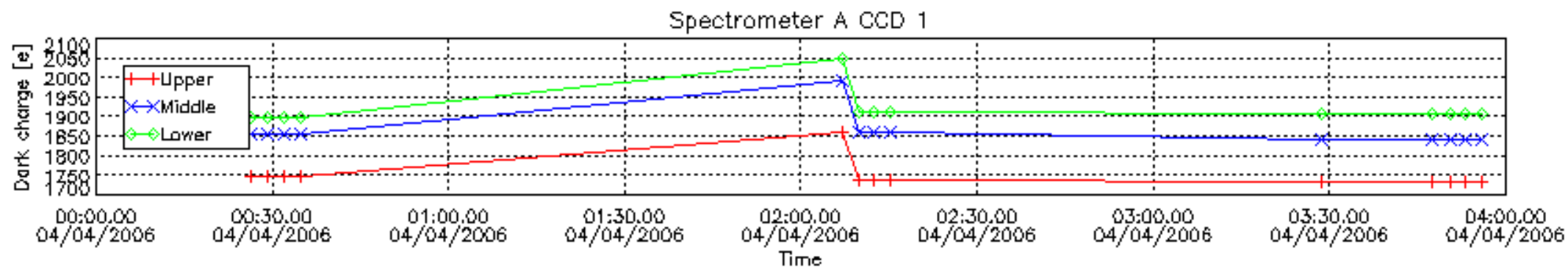
## 8. Auxiliary Data Files used for the production reported in section 2.2

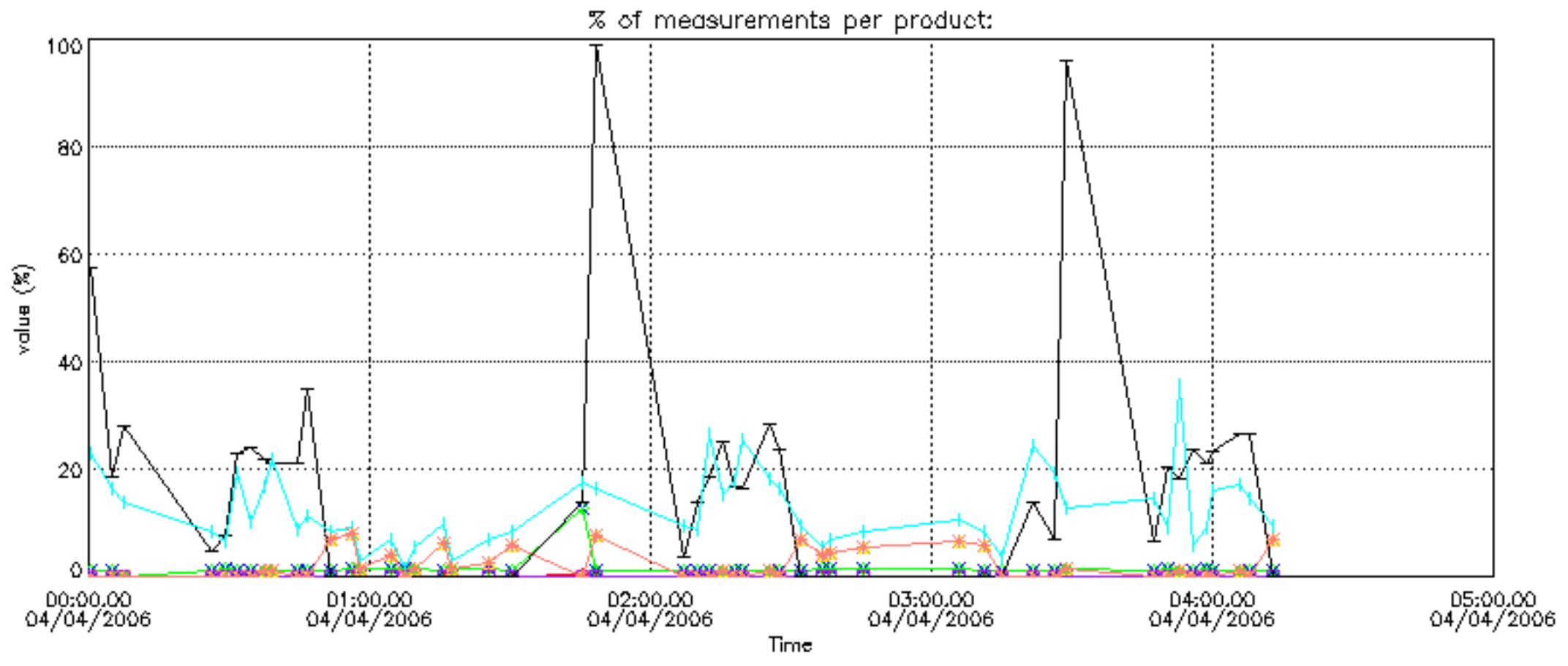
The number reported in the third column indicates since which file (see list in section 2.2) the corresponding auxiliary file has been used. The fourth column is the date of those product files.

Type	Auxiliary Filename	Used since product	Used since product date
INST_PHYS_CHARACTERISTICS	GOM_INS_AXVIEC20030716_105425_20030716_120000_20100101_000000	1	04-APR-2006 00:00:21
CALIBRATION_DATABASE	GOM_CAL_AXVIEC20060331_091607_20060329_000000_20100101_000000	1	04-APR-2006 00:00:21
LEVEL-1B_PROC_CONFIG	GOM_PR1_AXVIEC20040401_083133_20020324_200000_20100101_000000	1	04-APR-2006 00:00:21
STAR_CATALOGUE	GOM_CAT_AXVIEC20020121_161009_20020101_000000_20200101_000000	1	04-APR-2006 00:00:21
STELLAR_SPECTRA_DATABANK	GOM_STS_AXVIEC20020121_165822_20020101_000000_20200101_000000	1	04-APR-2006 00:00:21
ECMWF_FILE	AUX_ECA_AXNECM20060404_061541_20060403_210000_20060404_090000	1	04-APR-2006 00:00:21
ECMWF_FILE	AUX_ECF_AXNECM20060403_062523_20060403_210000_20060404_090000	4	04-APR-2006 00:26:22
ECMWF_FILE	AUX_ECA_AXNECM20060404_180447_20060404_030000_20060404_150000	48	04-APR-2006 04:05:59
OPTIONAL_ECMWF_FILE	NOT USED	1	04-APR-2006 00:00:21
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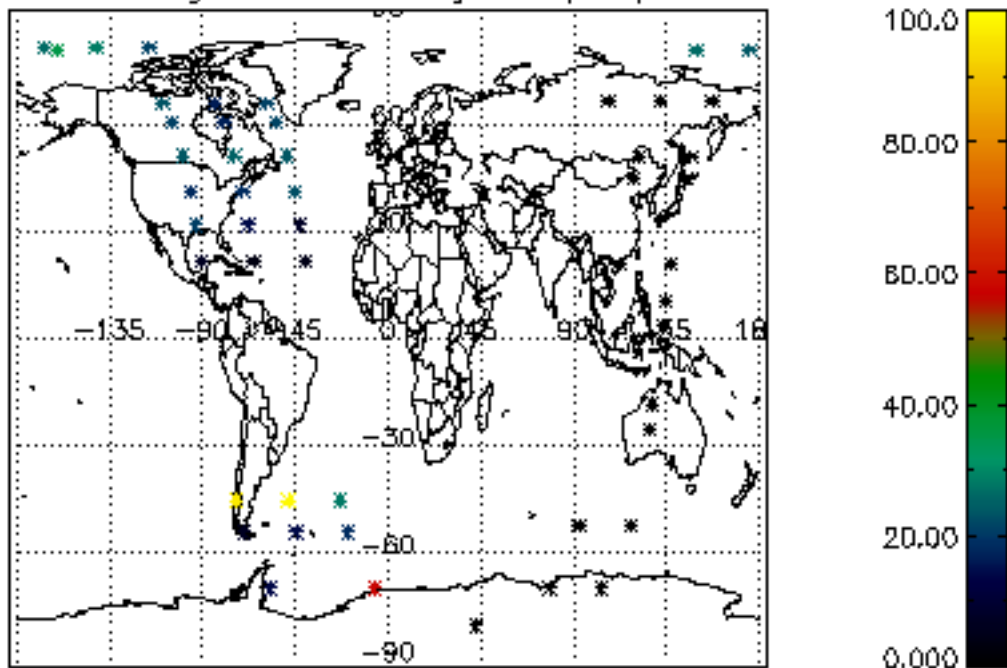




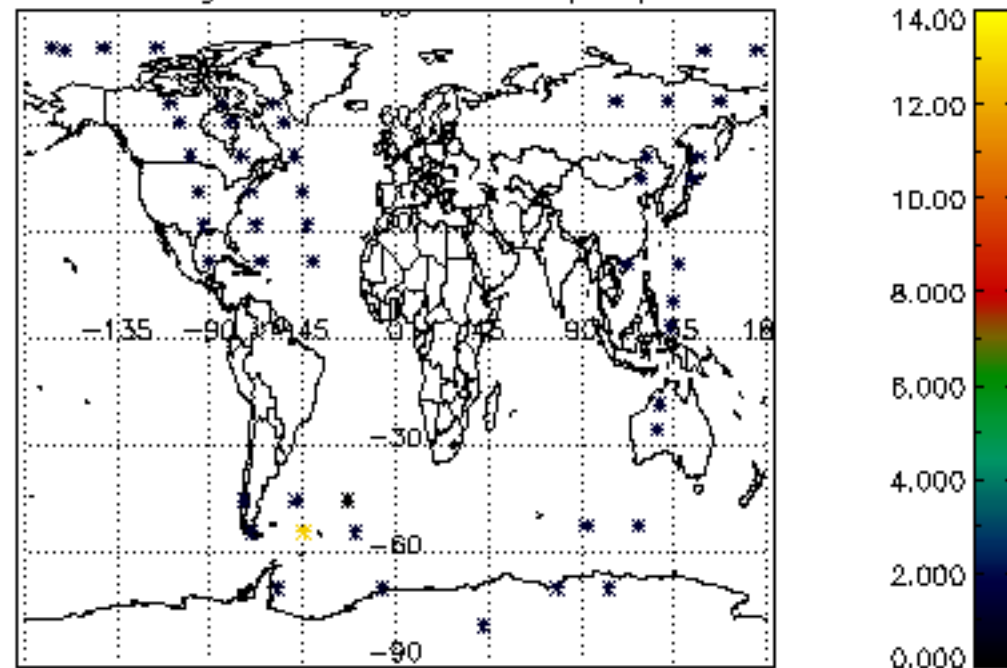




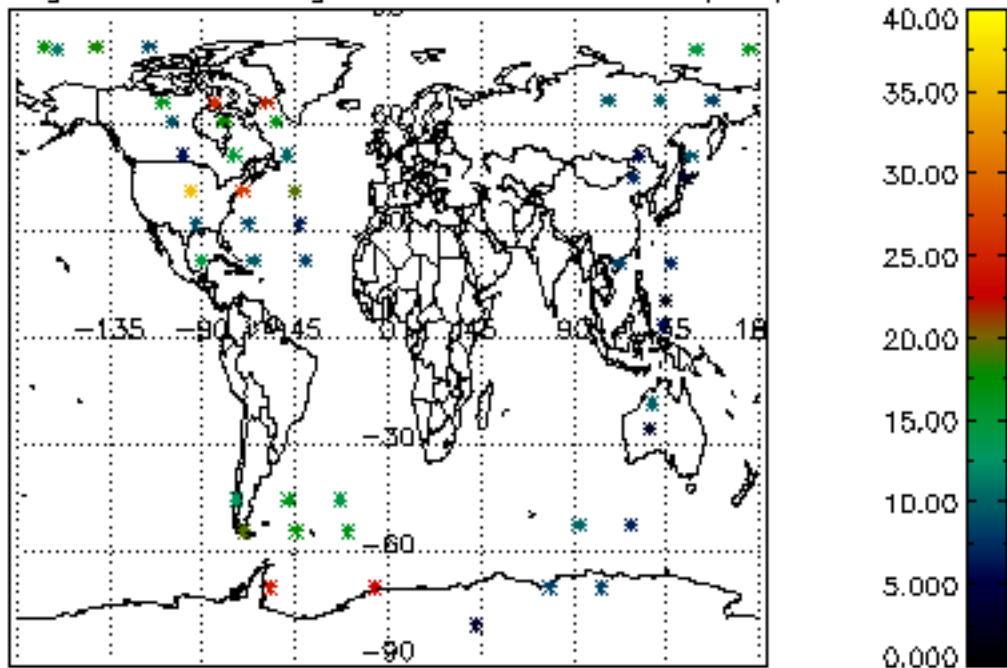
Percentage of cosmic ray hits per profile



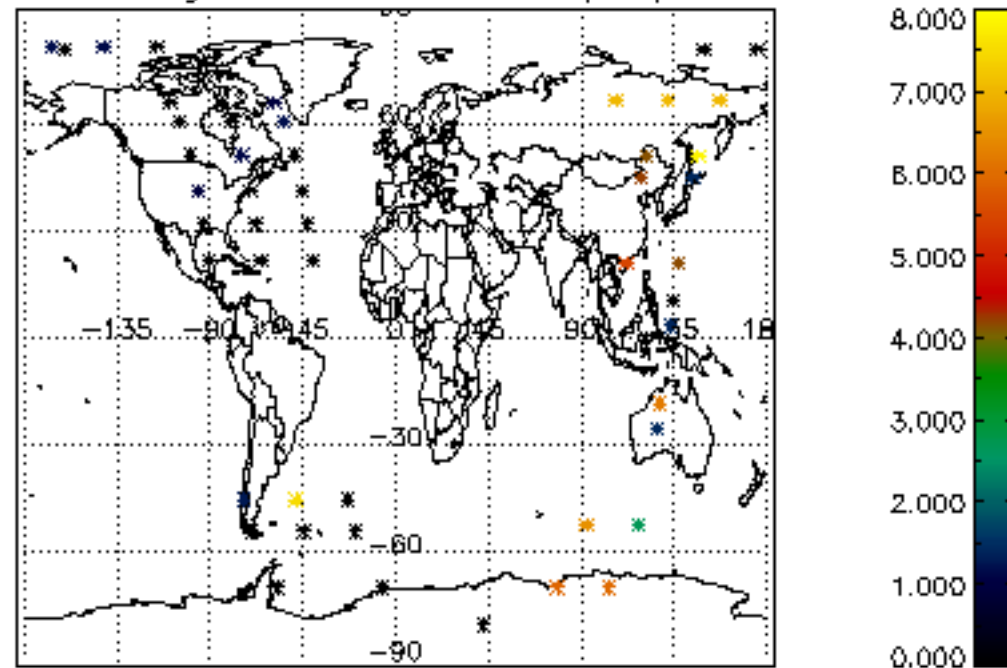
Percentage of datation errors per profile



Percentage of star falling outside central band per profile

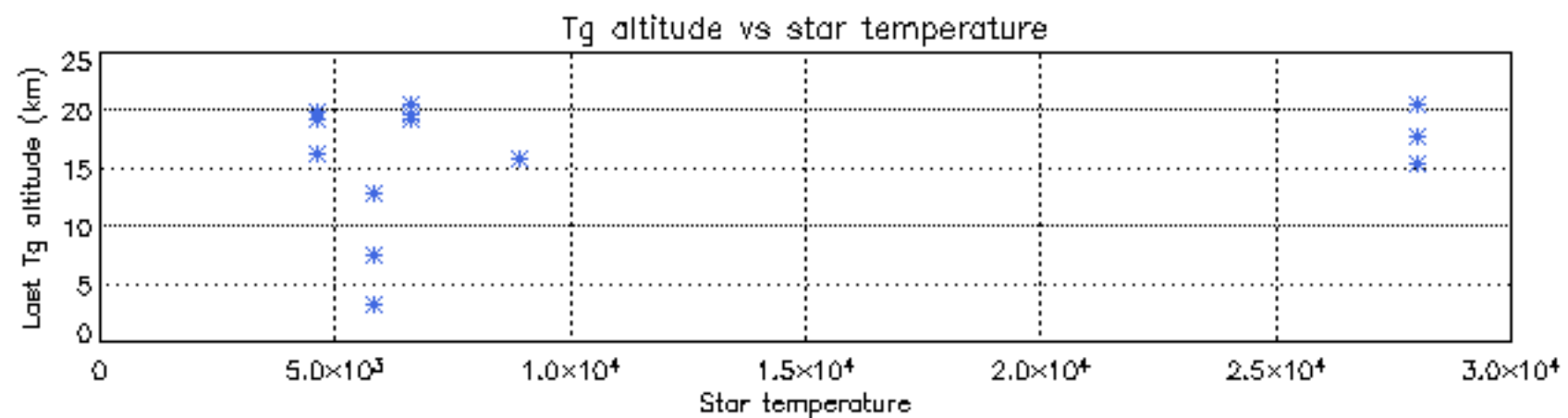
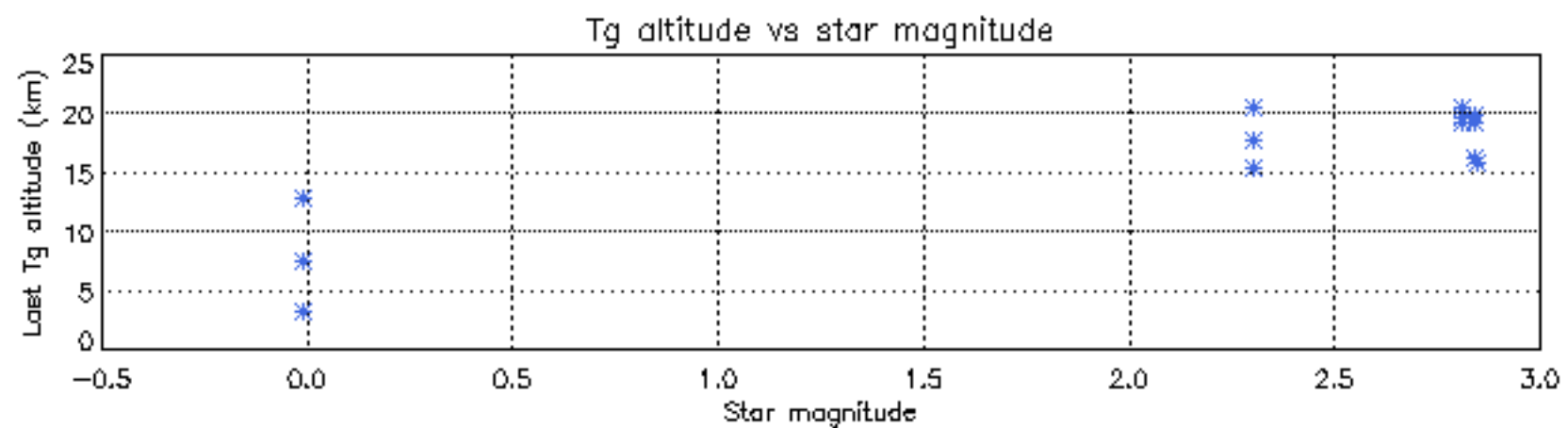
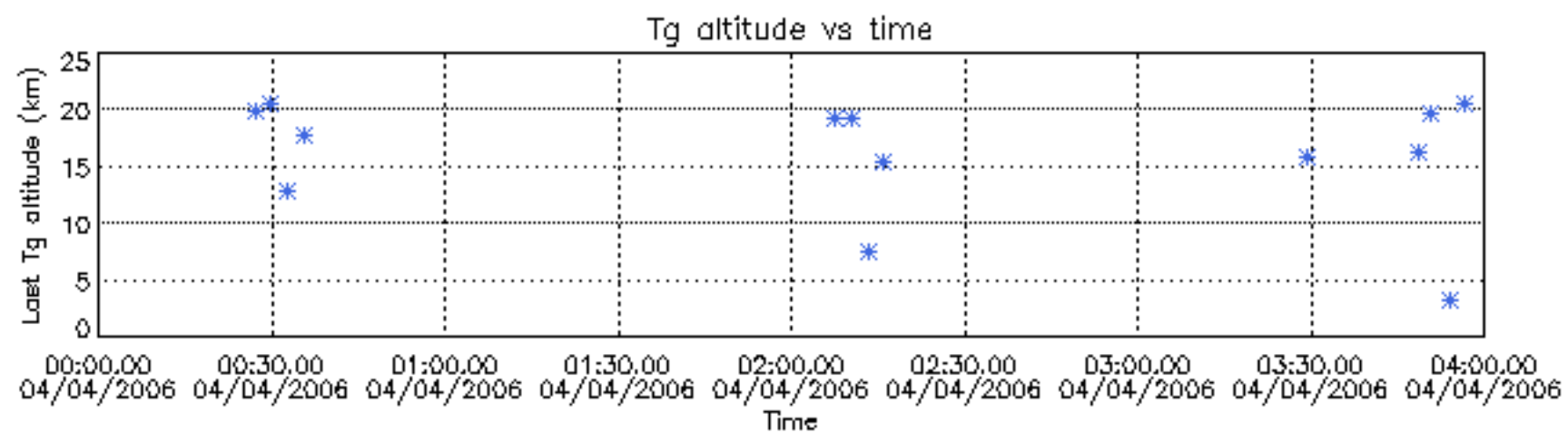


Percentage of saturation errors per profile

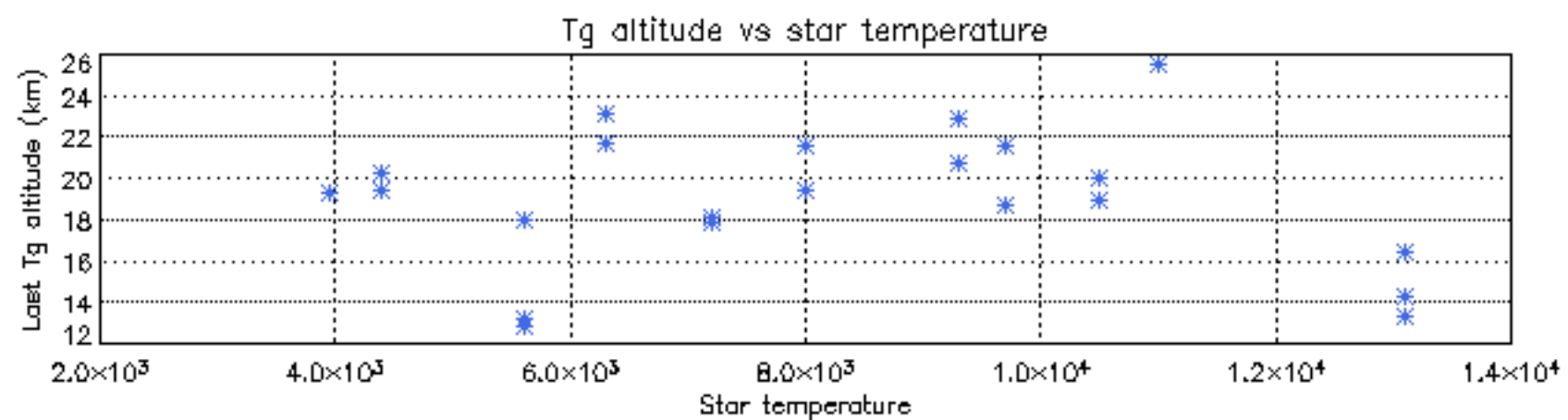
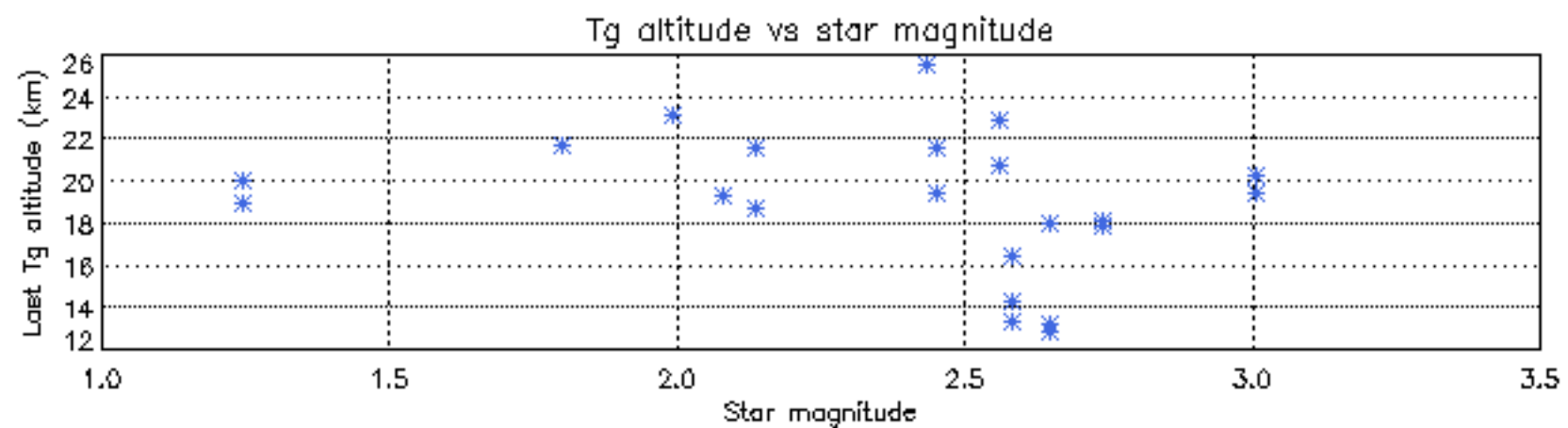
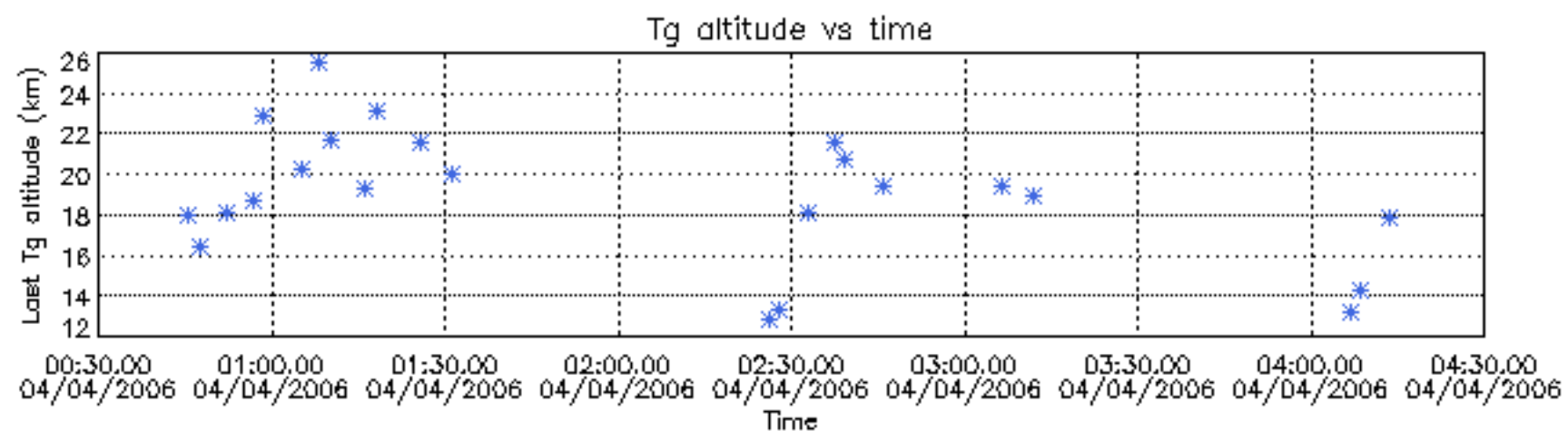




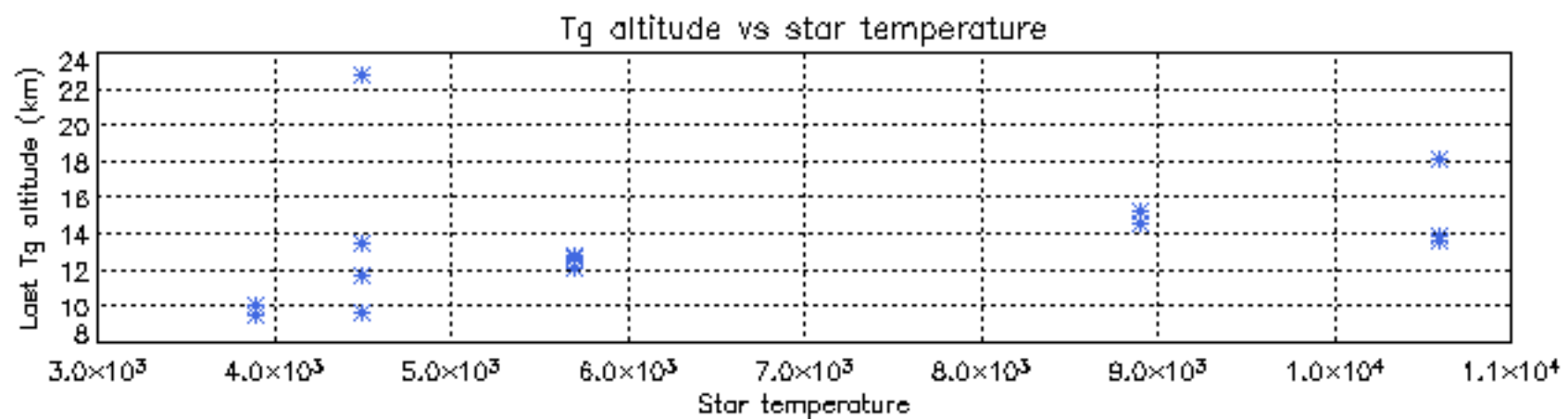
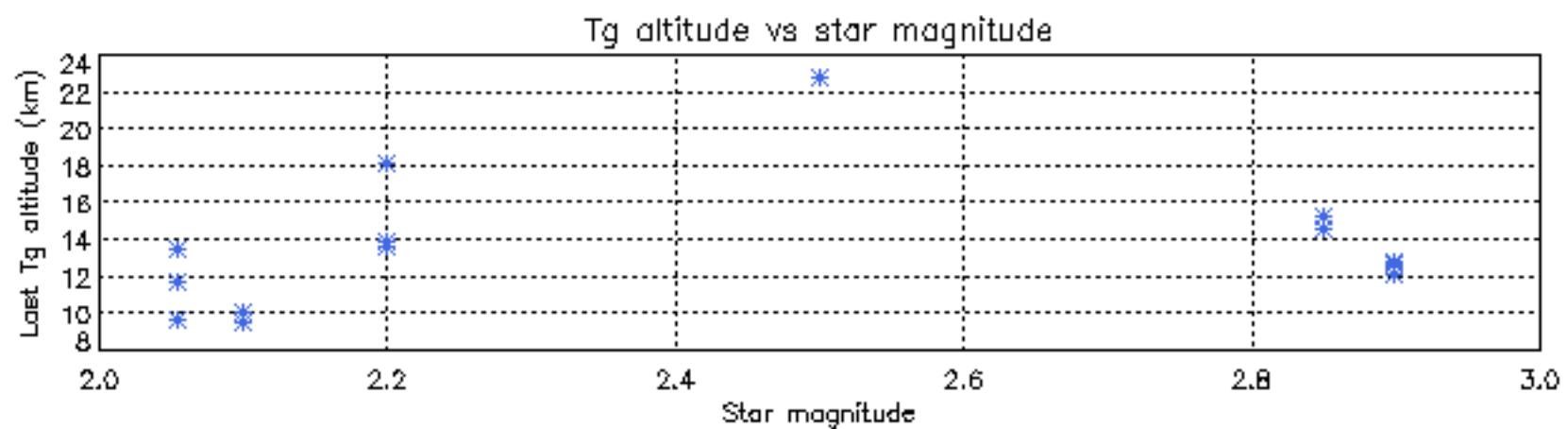
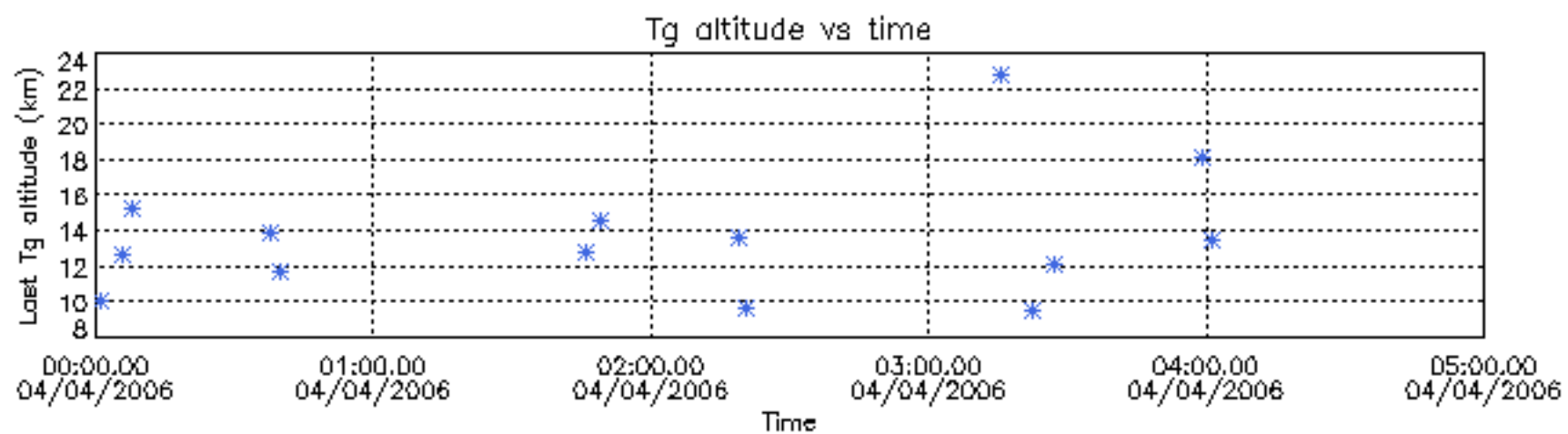
Tangent altitude at which the star is lost



Tangent altitude at which the star is lost



Tangent altitude at which the star is lost





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 13; 2666.3; 01-APR-2006 00:58:59; Bright; 37.0; 174; 52Psi UMa ; 3.00; 4400;occ; 74; 0;21356  
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 17; 3439.7; 01-APR-2006 01:11:52; Bright; 33.0; 49; 1Alp UMi ; 1.99; 6300;occ; 66; 0;21356  
 18; 3902.0; 01-APR-2006 01:19:35; Bright; 36.5; 89; 5Alp Cep ; 2.45; 8000;occ; 73; 0;21356  
 19; 4213.6; 01-APR-2006 01:24:46; Bright; 42.5; 19; 50Alp Cyg ; 1.25; 10500;occ; 85; 0;21356  
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 6; 6874.5; 01-APR-2006 02:09:07; Dark ; 43.0; 78; Alp Lup ; 2.30; 28000;occ; 86; 0;21356  
 7; 6970.6; 01-APR-2006 02:10:43; Dark ; 39.0; 81; Eta Cen ; 2.36; 28000;occ; 78; 0;21356  
 8; 7050.1; 01-APR-2006 02:12:03; Dark ; 42.0; 64; Gam Cen ; 2.20; 10600;occ; 84; 0;21356  
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 13; 8292.9; 01-APR-2006 02:32:45; Bright; 35.5; 96; 68Del Leo ; 2.56; 9300;occ; 71; 0;21356  
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 21; 3337.9; 01-APR-2006 04:31:22; Bright; 40.0; 60; 7Bet UMi ; 2.08; 3950;occ; 80; 0;21358  
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 4;-4456.8; 01-APR-2006 17:26:51; Dark ; 42.5; 100; 4Gam Crv ; 2.58; 13100;occ; 85; 0;21366  
 5;-3876.0; 01-APR-2006 17:36:32; Bright; 37.5; 62; 94Bet Leo ; 2.14; 9700;occ; 75; 0;21366  
 6;-3778.9; 01-APR-2006 17:38:09; Bright; 35.5; 96; 68Del Leo ; 2.56; 9300;occ; 71; 0;21366  
 7;-3370.2; 01-APR-2006 17:44:58; Bright; 34.5; 174; 52Psi UMa ; 3.00; 4400;occ; 69; 0;21366  
 8;-3189.6; 01-APR-2006 17:47:59; Bright; 37.5; 87; 64Gam UMa ; 2.43; 11000;occ; 75; 0;21366  
 9;-3078.5; 01-APR-2006 17:49:50; Bright; 37.0; 36; 50Alp UMa ; 1.80; 6300;occ; 74; 0;21366  
 10;-2700.8; 01-APR-2006 17:56:07; Bright; 39.5; 60; 7Bet UMi ; 2.08; 3950;occ; 79; 0;21366  
 11;-2596.0; 01-APR-2006 17:57:52; Bright; 36.0; 49; 1Alp UMi ; 1.99; 6300;occ; 72; 0;21366  
 12;-2134.4; 01-APR-2006 18:05:34; Bright; 36.0; 89; 5Alp Cep ; 2.45; 8000;occ; 72; 0;21366  
 13;-1822.6; 01-APR-2006 18:10:46; Bright; 39.0; 19; 50Alp Cyg ; 1.25; 10500;occ; 78; 0;21366  
 14;-1600.9; 01-APR-2006 18:14:27; Bright; 42.0; 92; 53Eps Cyg ; 2.50; 4500;occ; 84; 0;21366  
 15;-1206.8; 01-APR-2006 18:21:01; Dark ; 44.0; 61; 8Eps Peg ; 2.10; 3900;occ; 88; 0;21366  
 16; -930.7; 01-APR-2006 18:25:38; Dark ; 44.5; 154; 22Bet Aqr ; 2.90; 5700;occ; 89; 0;21366  
 17; -307.3; 01-APR-2006 18:36:01; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;21366  
 18; 340.3; 01-APR-2006 18:46:48; Dark ; 45.5; 141; Bet Ara ; 2.84; 4600;occ; 91; 0;21367  
 19; 520.6; 01-APR-2006 18:49:49; Dark ; 38.0; 134; Bet TrA ; 2.81; 6600;occ; 76; 0;21367  
 20; 678.8; 01-APR-2006 18:52:27; Dark ; 52.5; 4; Alp1Cen ; -0.01; 5800;occ; 105; 0;21367  
 21; 845.0; 01-APR-2006 18:55:13; Dark ; 43.5; 78; Alp Lup ; 2.30; 28000;occ; 87; 0;21367  
 22; 1017.5; 01-APR-2006 18:58:06; Dark ; 39.0; 64; Gam Cen ; 2.20; 10600;occ; 78; 0;21367

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 2;-4863.9; 01-APR-2006 19:00:40; Dark ; 43.0; 123; Iot Cen ; 2.75; 10200;occ; 86; 0;21367  
 3;-4574.0; 01-APR-2006 19:05:30; Dark ; 45.5; 106; 9Bet Crv ; 2.65; 5600;occ; 91; 0;21367  
 4;-4456.6; 01-APR-2006 19:07:28; Dark ; 41.5; 100; 4Gam Crv ; 2.58; 13100;occ; 83; 0;21367  
 5;-3876.1; 01-APR-2006 19:17:08; Bright; 38.0; 62; 94Bet Leo ; 2.14; 9700;occ; 76; 0;21367  
 6;-3778.9; 01-APR-2006 19:18:45; Bright; 35.5; 96; 68Del Leo ; 2.56; 9300;occ; 71; 0;21367  
 7;-3370.2; 01-APR-2006 19:25:34; Bright; 36.5; 174; 52Psi UMa ; 3.00; 4400;occ; 73; 0;21367  
 8;-3189.7; 01-APR-2006 19:28:34; Bright; 35.5; 87; 64Gam UMa ; 2.43; 11000;occ; 71; 0;21367  
 9;-3078.6; 01-APR-2006 19:30:26; Bright; 39.0; 36; 50Alp UMa ; 1.80; 6300;occ; 78; 0;21367  
 10;-2701.0; 01-APR-2006 19:36:43; Bright; 41.0; 60; 7Bet UMi ; 2.08; 3950;occ; 82; 0;21367  
 11;-2596.0; 01-APR-2006 19:38:28; Bright; 35.0; 49; 1Alp UMi ; 1.99; 6300;occ; 70; 0;21367  
 12;-2134.5; 01-APR-2006 19:46:10; Bright; 38.5; 89; 5Alp Cep ; 2.45; 8000;occ; 77; 0;21367  
 13;-1822.6; 01-APR-2006 19:51:22; Bright; 41.5; 19; 50Alp Cyg ; 1.25; 10500;occ; 83; 0;21367  
 14;-1600.7; 01-APR-2006 19:55:04; Bright; 42.0; 92; 53Eps Cyg ; 2.50; 4500;occ; 84; 0;21367  
 15;-1206.6; 01-APR-2006 20:01:38; Dark ; 46.5; 61; 8Eps Peg ; 2.10; 3900;occ; 93; 0;21367  
 16; -930.3; 01-APR-2006 20:06:14; Dark ; 44.5; 154; 22Bet Aqr ; 2.90; 5700;occ; 89; 0;21367  
 17; -306.5; 01-APR-2006 20:16:38; Dark ; 59.0; 0; ; 0.00; 0;occ; 118; 0;21367  
 18; 340.9; 01-APR-2006 20:27:25; Dark ; 42.0; 141; Bet Ara ; 2.84; 4600;occ; 84; 0;21368  
 19; 521.1; 01-APR-2006 20:30:25; Dark ; 38.0; 134; Bet TrA ; 2.81; 6600;occ; 76; 0;21368  
 20; 679.2; 01-APR-2006 20:33:03; Dark ; 54.5; 4; Alp1Cen ; -0.01; 5800;occ; 109; 0;21368  
 21; 845.5; 01-APR-2006 20:35:50; Dark ; 47.5; 78; Alp Lup ; 2.30; 28000;occ; 95; 0;21368  
 22; 1017.7; 01-APR-2006 20:38:42; Dark ; 5.0; 64; Gam Cen ; 2.20; 10600;occ; 10; 0;21368

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 2; 343.1; 02-APR-2006 01:29:15; Dark ; 42.5; 141; Bet Ara ; 2.84; 4600;occ; 85; 0;21371  
 3; 522.7; 02-APR-2006 01:32:15; Dark ; 39.0; 134; Bet TrA ; 2.81; 6600;occ; 78; 0;21371  
 4; 680.5; 02-APR-2006 01:34:52; Dark ; 48.0; 4; Alp1Cen ;-0.01; 5800;occ; 96; 0;21371  
 5; 847.3; 02-APR-2006 01:37:39; Dark ; 43.0; 78; Alp Lup ; 2.30; 28000;occ; 86; 0;21371  
 6; 1018.7; 02-APR-2006 01:40:31; Dark ; 40.5; 64; Gam Cen ; 2.20; 10600;occ; 81; 0;21371  
 7; 1173.4; 02-APR-2006 01:43:05; Dark ; 42.0; 123; Iot Cen ; 2.75; 10200;occ; 84; 0;21371  
 8; 1462.8; 02-APR-2006 01:47:55; Dark ; 43.0; 106; 9Bet Crv ; 2.65; 5600;occ; 86; 0;21371  
 9; 1579.9; 02-APR-2006 01:49:52; Dark ; 40.5; 100; 4Gam Crv ; 2.58; 13100;occ; 81; 0;21371  
 10; 2159.4; 02-APR-2006 01:59:31; Bright; 37.5; 62; 94Bet Leo ; 2.14; 9700;occ; 75; 0;21371  
 11; 2257.1; 02-APR-2006 02:01:09; Bright; 36.0; 96; 68Del Leo ; 2.56; 9300;occ; 72; 0;21371  
 12; 2665.5; 02-APR-2006 02:07:57; Bright; 36.0; 174; 52Psi UMa ; 3.00; 4400;occ; 72; 0;21371  
 13; 2845.4; 02-APR-2006 02:10:57; Bright; 38.5; 87; 64Gam UMa ; 2.43; 11000;occ; 77; 0;21371  
 14; 2957.1; 02-APR-2006 02:12:49; Bright; 35.0; 36; 50Alp UMa ; 1.80; 6300;occ; 70; 0;21371  
 15; 3333.6; 02-APR-2006 02:19:05; Bright; 41.0; 60; 7Bet UMi ; 2.08; 3950;occ; 82; 0;21371  
 16; 3440.0; 02-APR-2006 02:20:52; Bright; 33.0; 49; 1Alp UMi ; 1.99; 6300;occ; 66; 0;21371

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 2;-1822.7; 02-APR-2006 02:33:45; Bright; 39.0; 19; 50Alp Cyg ; 1.25; 10500;occ; 78; 0;21371  
 3;-1600.3; 02-APR-2006 02:37:27; Bright; 43.0; 92; 53Eps Cyg ; 2.50; 4500;occ; 86; 0;21371  
 4;-1205.3; 02-APR-2006 02:44:03; Dark ; 48.0; 61; 8Eps Peg ; 2.10; 3900;occ; 96; 0;21371  
 5; -928.8; 02-APR-2006 02:48:39; Dark ; 43.5; 154; 22Bet Aqr ; 2.90; 5700;occ; 87; 0;21371  
 6; -303.2; 02-APR-2006 02:59:05; Dark ; 59.0; 0; ; 0.00; 0;occ; 118; 0;21371  
 7; 344.0; 02-APR-2006 03:09:52; Dark ; 42.5; 141; Bet Ara ; 2.84; 4600;occ; 85; 0;21372  
 8; 523.3; 02-APR-2006 03:12:51; Dark ; 39.0; 134; Bet TrA ; 2.81; 6600;occ; 78; 0;21372  
 9; 681.1; 02-APR-2006 03:15:29; Dark ; 44.0; 4; Alp1Cen ;-0.01; 5800;occ; 88; 0;21372  
 10; 848.1; 02-APR-2006 03:18:16; Dark ; 46.0; 78; Alp Lup ; 2.30; 28000;occ; 92; 0;21372  
 11; 1019.0; 02-APR-2006 03:21:07; Dark ; 41.5; 64; Gam Cen ; 2.20; 10600;occ; 83; 0;21372  
 12; 1174.0; 02-APR-2006 03:23:42; Dark ; 46.0; 123; Iot Cen ; 2.75; 10200;occ; 92; 0;21372  
 13; 1463.1; 02-APR-2006 03:28:31; Dark ; 45.0; 106; 9Bet Crv ; 2.65; 5600;occ; 90; 0;21372  
 14; 1580.1; 02-APR-2006 03:30:28; Dark ; 43.0; 100; 4Gam Crv ; 2.58; 13100;occ; 86; 0;21372  
 15; 2159.4; 02-APR-2006 03:40:07; Bright; 38.0; 62; 94Bet Leo ; 2.14; 9700;occ; 76; 0;21372  
 16; 2257.2; 02-APR-2006 03:41:45; Bright; 35.5; 96; 68Del Leo ; 2.56; 9300;occ; 71; 0;21372  
 17; 2665.4; 02-APR-2006 03:48:33; Bright; 35.5; 174; 52Psi UMa ; 3.00; 4400;occ; 71; 0;21372  
 18; 2845.2; 02-APR-2006 03:51:33; Bright; 36.0; 87; 64Gam UMa ; 2.43; 11000;occ; 72; 0;21372  
 19; 2957.2; 02-APR-2006 03:53:25; Bright; 34.0; 36; 50Alp UMa ; 1.80; 6300;occ; 68; 0;21372  
 20; 3333.3; 02-APR-2006 03:59:41; Bright; 38.5; 60; 7Bet UMi ; 2.08; 3950;occ; 77; 0;21372  
 21; 3440.1; 02-APR-2006 04:01:28; Bright; 34.5; 49; 1Alp UMi ; 1.99; 6300;occ; 69; 0;21372

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 2;-1822.7; 02-APR-2006 04:14:21; Bright; 39.0; 19; 50Alp Cyg ; 1.25; 10500;occ; 78; 0;21372  
 3;-1600.3; 02-APR-2006 04:18:04; Bright; 43.5; 92; 53Eps Cyg ; 2.50; 4500;occ; 87; 0;21372  
 4;-1205.1; 02-APR-2006 04:24:39; Dark ; 43.5; 61; 8Eps Peg ; 2.10; 3900;occ; 87; 0;21372  
 5; -928.4; 02-APR-2006 04:29:15; Dark ; 42.5; 154; 22Bet Aqr ; 2.90; 5700;occ; 85; 0;21372  
 6; -302.3; 02-APR-2006 04:39:42; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;21372  
 7; 344.6; 02-APR-2006 04:50:28; Dark ; 41.5; 141; Bet Ara ; 2.84; 4600;occ; 83; 0;21373  
 8; 523.8; 02-APR-2006 04:53:28; Dark ; 38.5; 134; Bet TrA ; 2.81; 6600;occ; 77; 0;21373  
 9; 681.5; 02-APR-2006 04:56:05; Dark ; 51.0; 4; Alp1Cen ;-0.01; 5800;occ; 102; 0;21373  
 10; 848.7; 02-APR-2006 04:58:52; Dark ; 45.0; 78; Alp Lup ; 2.30; 28000;occ; 90; 0;21373  
 11; 1019.3; 02-APR-2006 05:01:43; Dark ; 40.0; 64; Gam Cen ; 2.20; 10600;occ; 80; 0;21373  
 12; 1174.3; 02-APR-2006 05:04:18; Dark ; 42.0; 123; Iot Cen ; 2.75; 10200;occ; 84; 0;21373  
 13; 1463.2; 02-APR-2006 05:09:07; Dark ; 45.5; 106; 9Bet Crv ; 2.65; 5600;occ; 91; 0;21373  
 14; 1580.2; 02-APR-2006 05:11:04; Dark ; 43.5; 100; 4Gam Crv ; 2.58; 13100;occ; 87; 0;21373  
 15; 2159.2; 02-APR-2006 05:20:43; Bright; 38.5; 62; 94Bet Leo ; 2.14; 9700;occ; 77; 0;21373  
 16; 2257.3; 02-APR-2006 05:22:21; Bright; 35.5; 96; 68Del Leo ; 2.56; 9300;occ; 71; 0;21373  
 17; 2665.4; 02-APR-2006 05:29:09; Bright; 37.0; 174; 52Psi UMa ; 3.00; 4400;occ; 74; 0;21373  
 18; 2845.0; 02-APR-2006 05:32:09; Bright; 36.5; 87; 64Gam UMa ; 2.43; 11000;occ; 73; 0;21373  
 19; 2957.2; 02-APR-2006 05:34:01; Bright; 36.5; 36; 50Alp UMa ; 1.80; 6300;occ; 73; 0;21373  
 20; 3333.0; 02-APR-2006 05:40:17; Bright; 39.5; 60; 7Bet UMi ; 2.08; 3950;occ; 79; 0;21373  
 21; 3440.1; 02-APR-2006 05:42:04; Bright; 35.5; 49; 1Alp UMi ; 1.99; 6300;occ; 71; 0;21373

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 2; 4213.3; 02-APR-2006 05:54:57; Bright; 42.0; 19; 50Alp Cyg ; 1.25; 10500;occ; 84; 0;21373  
 3; 4435.9; 02-APR-2006 05:58:40; Bright; 41.5; 92; 53Eps Cyg ; 2.50; 4500;occ; 83; 0;21373  
 4; 4831.2; 02-APR-2006 06:05:15; Dark ; 45.5; 61; 8Eps Peg ; 2.10; 3900;occ; 91; 0;21373  
 5; 5107.9; 02-APR-2006 06:09:52; Dark ; 43.0; 154; 22Bet Aqr ; 2.90; 5700;occ; 86; 0;21373  
 6; 5734.6; 02-APR-2006 06:20:18; Dark ; 59.0; 0; ; 0.00; 0;occ; 118; 0;21373





7; 6381.3; 02-APR-2006 06:31:05; Dark ; 50.0; 141; Bet Ara ; 2.84; 4600;occ; 100; 0;21373  
8; 6560.3; 02-APR-2006 06:34:04; Dark ; 39.5; 134; Bet TrA ; 2.81; 6600;occ; 79; 0;21373  
9; 6718.0; 02-APR-2006 06:36:42; Dark ; 47.0; 4; Alp1Cen ;-0.01; 5800;occ; 94; 0;21373  
10; 6885.3; 02-APR-2006 06:39:29; Dark ; 43.0; 78; Alp Lup ; 2.30; 28000;occ; 86; 0;21373  
11; 7055.6; 02-APR-2006 06:42:19; Dark ; 41.0; 64; Gam Cen ; 2.20; 10600;occ; 82; 0;21373  
12; 7210.8; 02-APR-2006 06:44:55; Dark ; 44.5; 123; Tot Cen ; 2.75; 10200;occ; 89; 0;21373  
13; 7499.4; 02-APR-2006 06:49:43; Dark ; 44.5; 106; 9Bet Crv ; 2.65; 5600;occ; 89; 0;21373  
14; 7616.4; 02-APR-2006 06:51:40; Dark ; 42.5; 100; 4Gam Crv ; 2.58; 13100;occ; 85; 0;21373  
15; 8195.2; 02-APR-2006 07:01:19; Bright; 37.5; 62; 94Bet Leo ; 2.14; 9700;occ; 75; 0;21373  
16; 8293.2; 02-APR-2006 07:02:57; Bright; 36.0; 96; 68Del Leo ; 2.56; 9300;occ; 72; 0;21373  
17; 8701.3; 02-APR-2006 07:09:45; Bright; 35.0; 174; 52Psi UMa ; 3.00; 4400;occ; 70; 0;21373  
18; 8880.7; 02-APR-2006 07:12:44; Bright; 36.5; 87; 64Gam UMa ; 2.43; 11000;occ; 73; 0;21373  
19; 8993.1; 02-APR-2006 07:14:37; Bright; 35.5; 36; 50Alp UMa ; 1.80; 6300;occ; 71; 0;21373  
20; 9368.7; 02-APR-2006 07:20:52; Bright; 39.5; 60; 7Bet UMi ; 2.08; 3950;occ; 79; 0;21373  
21; 9476.1; 02-APR-2006 07:22:40; Bright; 33.5; 49; 1Alp UMi ; 1.99; 6300;occ; 67; 0;21373

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2; 1021.9; 02-APR-2006 20:07:09; Dark ; 42.0; 64; Gam Cen ; 2.20; 10600;occ; 84; 0;21382  
3; 1111.8; 02-APR-2006 20:08:39; Dark ; 26.0; 54; 5The Cen ; 2.06; 4500;occ; 52; 0;21382  
4; 1177.7; 02-APR-2006 20:09:45; Dark ; 43.0; 123; Tot Cen ; 2.75; 10200;occ; 86; 0;21382  
5; 1435.3; 02-APR-2006 20:14:03; Dark ; 27.0; 169; 46Gam Hya ; 2.99; 4700;occ; 54; 0;21382  
6; 1495.0; 02-APR-2006 20:15:03; Dark ; 44.0; 171; 2Eps Crv ; 3.00; 4250;occ; 88; 0;21382  
7; 1581.4; 02-APR-2006 20:16:29; Dark ; 41.5; 100; 4Gam Crv ; 2.58; 13100;occ; 83; 0;21382  
8; 1880.6; 02-APR-2006 20:21:28; Bright; 42.0; 121; 29Gam Vir ; 2.74; 7200;occ; 84; 0;21382  
9; 2158.4; 02-APR-2006 20:26:06; Bright; 38.0; 62; 94Bet Leo ; 2.14; 9700;occ; 76; 0;21382  
10; 2257.1; 02-APR-2006 20:27:45; Bright; 50.0; 96; 68Del Leo ; 2.56; 9300;occ; 100; 0;21382  
11; 2664.8; 02-APR-2006 20:34:32; Bright; 36.0; 174; 52Psi UMa ; 3.00; 4400;occ; 72; 0;21382  
12; 2842.9; 02-APR-2006 20:37:30; Bright; 36.0; 87; 64Gam UMa ; 2.43; 11000;occ; 72; 0;21382  
13; 2956.6; 02-APR-2006 20:39:24; Bright; 37.5; 36; 50Alp UMa ; 1.80; 6300;occ; 75; 0;21382  
14; 3329.9; 02-APR-2006 20:45:37; Bright; 40.5; 60; 7Bet UMi ; 2.08; 3950;occ; 81; 0;21382  
15; 3440.1; 02-APR-2006 20:47:28; Bright; 35.0; 49; 1Alp UMi ; 1.99; 6300;occ; 70; 0;21382  
16; 3900.6; 02-APR-2006 20:55:08; Bright; 37.0; 89; 5Alp Cep ; 2.45; 8000;occ; 74; 0;21382  
17; 4212.8; 02-APR-2006 21:00:20; Bright; 40.0; 19; 50Alp Cyg ; 1.25; 10500;occ; 80; 0;21382  
18; 4833.7; 02-APR-2006 21:10:41; Dark ; 45.0; 61; 8Eps Peg ; 2.10; 3900;occ; 90; 0;21382  
19; 5111.5; 02-APR-2006 21:15:19; Dark ; 43.5; 154; 22Bet Aqr ; 2.90; 5700;occ; 87; 0;21382

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3; 528.8; 02-APR-2006 21:39:32; Dark ; 38.0; 134; Bet TrA ; 2.81; 6600;occ; 76; 0;21383  
4; 686.0; 02-APR-2006 21:42:09; Dark ; 45.0; 4; Alp1Cen ;-0.01; 5800;occ; 90; 0;21383  
5; 854.7; 02-APR-2006 21:44:58; Dark ; 43.0; 78; Alp Lup ; 2.30; 28000;occ; 86; 0;21383  
6; 1022.3; 02-APR-2006 21:47:46; Dark ; 38.5; 64; Gam Cen ; 2.20; 10600;occ; 77; 0;21383  
7; 1112.4; 02-APR-2006 21:49:16; Dark ; 26.0; 54; 5The Cen ; 2.06; 4500;occ; 52; 0;21383  
8; 1178.0; 02-APR-2006 21:50:21; Dark ; 43.0; 123; Tot Cen ; 2.75; 10200;occ; 86; 0;21383  
9; 1435.4; 02-APR-2006 21:54:39; Dark ; 27.0; 169; 46Gam Hya ; 2.99; 4700;occ; 54; 0;21383  
10; 1495.1; 02-APR-2006 21:55:39; Dark ; 42.5; 171; 2Eps Crv ; 3.00; 4250;occ; 85; 0;21383  
11; 1581.5; 02-APR-2006 21:57:05; Dark ; 42.5; 100; 4Gam Crv ; 2.58; 13100;occ; 85; 0;21383  
12; 1880.4; 02-APR-2006 22:02:04; Bright; 41.5; 121; 29Gam Vir ; 2.74; 7200;occ; 83; 0;21383  
13; 2158.4; 02-APR-2006 22:06:42; Bright; 37.5; 62; 94Bet Leo ; 2.14; 9700;occ; 75; 0;21383  
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2; -1566.6; 13-APR-2006 06:53:53; Bright; 36.5; 164; 44Eta Peg ; 2.95; 5400;occ; 73; 0;21531
3; -1151.2; 13-APR-2006 07:00:48; Dark ; 56.5; 61; 8Eps Peg ; 2.10; 3900;occ; 113; 0;21531
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9; 32.8; 13-APR-2006 07:20:32; Dark ; 38.5; 45; Alp Pav ; 1.94; 26000;occ; 77; 0;21532  
10; 478.8; 13-APR-2006 07:27:58; Dark ; 42.5; 43; Alp TrA ; 1.91; 4250;occ; 85; 0;21532  
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18;	34.3;	13-APR-2006	12:22:21;	Dark	;	38.5;	45;	Alp Pav	;	1.94;	26000;occ;	77;	0;	21535
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21;	750.3;	13-APR-2006	12:34:17;	Dark	;	44.5;	4;	Alp1Cen	;	-0.01;	5800;occ;	89;	0;	21535
22;	937.6;	13-APR-2006	12:37:25;	Dark	;	42.5;	78;	Alp Lup	;	2.30;	28000;occ;	85;	0;	21535
23;	1033.6;	13-APR-2006	12:39:01;	Dark	;	45.0;	81;	Eta Cen	;	2.36;	28000;occ;	90;	0;	21535
24;	1178.9;	13-APR-2006	12:41:26;	Dark	;	45.0;	54;	5The Cen	;	2.06;	4500;occ;	90;	0;	21535
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2;	-4161.1;	13-APR-2006	12:53:02;	Bright;	38.5;	121;	29Gam Vir	;	2.74;	7200;occ;	77;	0;	21535	
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11;	-1565.9;	13-APR-2006	13:36:17;	Bright;	53.0;	164;	44Eta Peg	;	2.95;	5400;occ;	106;	0;	21535	
12;	-1149.5;	13-APR-2006	13:43:14;	Dark	;	51.0;	61;	8Eps Peg	;	2.10;	3900;occ;	102;	0;	21535
13;	-1001.5;	13-APR-2006	13:45:42;	Dark	;	43.5;	162;	34Alp Aqr	;	2.94;	5350;occ;	87;	0;	21535
14;	-850.1;	13-APR-2006	13:48:13;	Dark	;	49.5;	154;	22Bet Aqr	;	2.90;	5700;occ;	99;	0;	21535
15;	-704.8;	13-APR-2006	13:50:38;	Dark	;	40.5;	142;	49Del Cap	;	2.85;	8900;occ;	81;	0;	21535
16;	-383.9;	13-APR-2006	13:55:59;	Dark	;	39.5;	172;	Gam Gru	;	3.00;	13100;occ;	79;	0;	21535
17;	-89.8;	13-APR-2006	14:00:53;	Dark	;	59.5;	0;	;	;	0.00;	0;occ;	119;	0;	21535
18;	34.8;	13-APR-2006	14:02:58;	Dark	;	46.5;	45;	Alp Pav	;	1.94;	26000;occ;	93;	0;	21536
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8;	-2593.4;	13-APR-2006	14:59:46;	Bright;	34.0;	49;	1Alp UMi	;	1.99;	6300;occ;	68;	0;	21536	
9;	-2151.6;	13-APR-2006	15:07:07;	Bright;	38.0;	89;	5Alp Cep	;	2.45;	8000;occ;	76;	0;	21536	
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11;	-1149.2;	13-APR-2006	15:23:50;	Dark	;	53.5;	61;	8Eps Peg	;	2.10;	3900;occ;	107;	0;	21536
12;	-1001.1;	13-APR-2006	15:26:18;	Dark	;	47.0;	162;	34Alp Aqr	;	2.94;	5350;occ;	94;	0;	21536
13;	-849.6;	13-APR-2006	15:28:49;	Dark	;	48.5;	154;	22Bet Aqr	;	2.90;	5700;occ;	97;	0;	21536
14;	-704.3;	13-APR-2006	15:31:15;	Dark	;	44.5;	142;	49Del Cap	;	2.85;	8900;occ;	89;	0;	21536
15;	-383.4;	13-APR-2006	15:36:36;	Dark	;	38.0;	172;	Gam Gru	;	3.00;	13100;occ;	76;	0;	21536
16;	-89.3;	13-APR-2006	15:41:30;	Dark	;	59.5;	0;	;	;	0.00;	0;occ;	119;	0;	21536
17;	35.3;	13-APR-2006	15:43:34;	Dark	;	47.5;	45;	Alp Pav	;	1.94;	26000;occ;	95;	0;	21537
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 19; 5735.2; 24-APR-2006 19:53:50; Dark ; 39.0; 172; Gam Gru ; 3.00; 13100;occ; 78; 0;21696  
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7; 674.7; 25-APR-2006 01:11:53; Dark ; 39.0; 134; Bet TrA ; 2.81; 6600;occ; 78; 0;21700
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15; 2092.6; 25-APR-2006 01:35:31; Bright; 36.0; 138; 47Eps Vir ; 2.83; 4700;occ; 72; 0;21700
16; 2564.4; 25-APR-2006 01:43:23; Bright; 35.5; 152; 12Alp2CVn ; 2.89; 11000;occ; 71; 0;21700
17; 2822.5; 25-APR-2006 01:47:41; Bright; 34.5; 87; 64Gam UMa ; 2.43; 11000;occ; 69; 0;21700
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22; 3989.7; 25-APR-2006 02:07:08; Bright; 34.0; 68; 18Alp Cas ; 2.22; 4500;occ; 68; 0;21700
23; 4521.3; 25-APR-2006 02:16:00; Bright; 42.0; 93; 53Bet Peg ; 2.52; 3100;occ; 84; 0;21700
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6; 6711.1; 25-APR-2006 02:52:29; Dark ; 38.0; 134; Bet TrA ; 2.81; 6600;occ; 76; 0;21700
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9; 7137.1; 25-APR-2006 02:59:35; Dark ; 41.5; 81; Eta Cen ; 2.36; 28000;occ; 83; 0;21700
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11; 7533.2; 25-APR-2006 03:06:12; Dark ; 42.5; 169; 46Gam Hya ; 2.99; 4700;occ; 85; 0;21700
12; 7738.1; 25-APR-2006 03:09:36; Bright; 39.5; 15; 67Alp Vir ; 0.98; 28000;occ; 79; 0;21700
13; 7920.5; 25-APR-2006 03:12:39; Bright; 36.0; 121; 29Gam Vir ; 2.74; 7200;occ; 72; 0;21700
14; 8128.6; 25-APR-2006 03:16:07; Bright; 36.0; 138; 47Eps Vir ; 2.83; 4700;occ; 72; 0;21700
15; 8600.2; 25-APR-2006 03:23:59; Bright; 35.5; 152; 12Alp2CVn ; 2.89; 11000;occ; 71; 0;21700
16; 8858.5; 25-APR-2006 03:28:17; Bright; 36.0; 87; 64Gam UMa ; 2.43; 11000;occ; 72; 0;21700
17; 9013.7; 25-APR-2006 03:30:52; Bright; 36.0; 36; 50Alp UMa ; 1.80; 6300;occ; 72; 0;21700
18; 9273.8; 25-APR-2006 03:35:12; Bright; 33.5; 60; 7Bet UMi ; 2.08; 3950;occ; 67; 0;21700
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3; 4521.4; 25-APR-2006 03:56:36; Bright; 41.0; 93; 53Bet Peg ; 2.52; 3100;occ; 82; 0;21701
4; 4748.6; 25-APR-2006 04:00:23; Dark ; 41.5; 90; 54Alp Peg ; 2.49; 11000;occ; 83; 0;21701
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6; 5621.0; 25-APR-2006 04:14:55; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;21701
7; 5738.3; 25-APR-2006 04:16:53; Dark ; 41.5; 172; Gam Gru ; 3.00; 13100;occ; 83; 0;21701
8; 5843.9; 25-APR-2006 04:18:38; Dark ; 37.0; 31; Alp Gru ; 1.73; 15200;occ; 74; 0;21701
9; 6162.9; 25-APR-2006 04:23:57; Dark ; 39.0; 45; Alp Pav ; 1.94; 26000;occ; 78; 0;21701
10; 6581.2; 25-APR-2006 04:30:56; Dark ; 40.5; 43; Alp TrA ; 1.91; 4250;occ; 81; 0;21701
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12; 6843.4; 25-APR-2006 04:35:18; Dark ; 42.5; 4; Alp1Cen ;-0.01; 5800;occ; 85; 0;21701
13; 7043.7; 25-APR-2006 04:38:38; Dark ; 43.0; 78; Alp Lup ; 2.30; 28000;occ; 86; 0;21701
14; 7137.6; 25-APR-2006 04:40:12; Dark ; 40.5; 81; Eta Cen ; 2.36; 28000;occ; 81; 0;21701
15; 7268.8; 25-APR-2006 04:42:23; Dark ; 45.5; 54; 5The Cen ; 2.06; 4500;occ; 91; 0;21701
16; 7533.5; 25-APR-2006 04:46:48; Dark ; 40.5; 169; 46Gam Hya ; 2.99; 4700;occ; 81; 0;21701
17; 7738.2; 25-APR-2006 04:50:13; Bright; 40.5; 15; 67Alp Vir ; 0.98; 28000;occ; 81; 0;21701
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19; 8128.7; 25-APR-2006 04:56:43; Bright; 36.0; 138; 47Eps Vir ; 2.83; 4700;occ; 72; 0;21701
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22; 9013.9; 25-APR-2006 05:11:28; Bright; 37.5; 36; 50Alp UMa ; 1.80; 6300;occ; 75; 0;21701
23; 9273.6; 25-APR-2006 05:15:48; Bright; 39.5; 60; 7Bet UMi ; 2.08; 3950;occ; 79; 0;21701
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3;-1514.6; 25-APR-2006 05:37:12; Bright; 42.0; 93; 53Bet Peg ; 2.52; 3100;occ; 84; 0;21702
4;-1286.9; 25-APR-2006 05:40:59; Dark ; 42.5; 90; 54Alp Peg ; 2.49; 11000;occ; 85; 0;21702

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10; 127.5; 25-APR-2006 06:04:34; Dark ; 41.5; 45; Alp Pav ; 1.94; 26000;occ; 83; 0;21703
11; 545.6; 25-APR-2006 06:11:32; Dark ; 42.0; 43; Alp TrA ; 1.91; 4250;occ; 84; 0;21703
12; 676.0; 25-APR-2006 06:13:42; Dark ; 38.0; 134; Bet TrA ; 2.81; 6600;occ; 76; 0;21703
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4; 1499.6; 25-APR-2006 19:52:13; Dark ; 40.0; 169; 46Gam Hya ; 2.99; 4700;occ; 80; 0;21711
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7; 2093.3; 25-APR-2006 20:02:07; Bright; 36.0; 138; 47Eps Vir ; 2.83; 4700;occ; 72; 0;21711
8; 2563.9; 25-APR-2006 20:09:57; Bright; 35.5; 152; 12Alp2CVn ; 2.89; 11000;occ; 71; 0;21711
9; 2823.8; 25-APR-2006 20:14:17; Bright; 35.5; 87; 64Gam UMA ; 2.43; 11000;occ; 71; 0;21711
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14; 3905.3; 25-APR-2006 20:32:19; Bright; 33.5; 110; 37Del Cas ; 2.68; 8900;occ; 67; 0;21711
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12; 1235.5; 25-APR-2006 21:28:25; Dark ; 43.0; 54; 5The Cen ; 2.06; 4500;occ; 86; 0;21712
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16; 2092.5; 25-APR-2006 21:42:42; Bright; 36.0; 138; 47Eps Vir ; 2.83; 4700;occ; 72; 0;21712
17; 2563.1; 25-APR-2006 21:50:33; Bright; 35.0; 152; 12Alp2CVn ; 2.89; 11000;occ; 70; 0;21712
18; 2823.4; 25-APR-2006 21:54:53; Bright; 36.5; 87; 64Gam UMA ; 2.43; 11000;occ; 73; 0;21712
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7; -295.9; 25-APR-2006 07:38:06; Dark ; 39.5; 172; Gam Gru ; 3.00; 13100;occ; 79; 0;21703
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11; 546.5; 25-APR-2006 07:52:08; Dark ; 48.0; 43; Alp TrA ; 1.91; 4250;occ; 96; 0;21704
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16; 1233.9; 25-APR-2006 08:03:36; Dark ; 44.5; 54; 5The Cen ; 2.06; 4500;occ; 89; 0;21704
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3; 2092.6; 25-APR-2006 08:17:55; Bright; 36.5; 138; 47Eps Vir ; 2.83; 4700;occ; 73; 0;21704
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7; 3237.1; 25-APR-2006 08:36:59; Bright; 39.5; 60; 7Bet UMi ; 2.08; 3950;occ; 79; 0;21704
8; 3443.6; 25-APR-2006 08:40:26; Bright; 35.5; 49; 1Alp UMi ; 1.99; 6300;occ; 71; 0;21704
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11; 4521.8; 25-APR-2006 08:58:24; Bright; 40.0; 93; 53Bet Peg ; 2.52; 3100;occ; 80; 0;21704
12; 4749.3; 25-APR-2006 09:02:12; Dark ; 41.0; 90; 54Alp Peg ; 2.49; 11000;occ; 82; 0;21704
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16; -17.7; 25-APR-2006 11:03:56; Dark ; 37.5; 148; Alp Tuc ; 2.88; 4100;occ; 75; 0;21705
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23; 1233.8; 25-APR-2006 11:24:48; Dark ; 40.5; 54; 5The Cen ; 2.06; 4500;occ; 81; 0;21706

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/nas3/ENVISAT/GOMOS/GOM\_NL\_\_0P/GOM\_NL\_\_0PNPDK20060425\_180502\_000057902047\_00113\_21710\_0426.N1

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 7; -3472.5; 25-APR-2006 18:29:21; Bright; 36.5; 152; 12Alp2CVn ; 2.89; 11000;occ; 73; 0;21710  
 8; -3212.8; 25-APR-2006 18:33:41; Bright; 35.0; 87; 64Gam UMa ; 2.43; 11000;occ; 70; 0;21710  
 9; -3139.5; 25-APR-2006 18:34:54; Bright; 35.0; 82; 48Bet UMa ; 2.37; 10600;occ; 70; 0;21710  
 10; -3056.7; 25-APR-2006 18:36:17; Bright; 36.5; 36; 50Alp UMa ; 1.80; 6300;occ; 73; 0;21710  
 11; -2800.2; 25-APR-2006 18:40:34; Bright; 38.0; 60; 7Bet UMi ; 2.08; 3950;occ; 76; 0;21710  
 12; -2592.5; 25-APR-2006 18:44:01; Bright; 35.5; 49; 1Alp UMi ; 1.99; 6300;occ; 71; 0;21710  
 13; -2131.6; 25-APR-2006 18:51:42; Bright; 32.0; 110; 37Del Cas ; 2.68; 8900;occ; 64; 0;21710  
 14; -2044.7; 25-APR-2006 18:53:09; Bright; 42.5; 68; 18Alp Cas ; 2.22; 4500;occ; 85; 0;21710  
 15; -1512.9; 25-APR-2006 19:02:01; Bright; 41.5; 93; 53Bet Peg ; 2.52; 3100;occ; 83; 0;21710  
 16; -1284.7; 25-APR-2006 19:05:49; Dark ; 43.0; 90; 54Alp Peg ; 2.49; 11000;occ; 86; 0;21710  
 17; -528.4; 25-APR-2006 19:18:25; Dark ; 44.5; 18; 24Alp PsA ; 1.17; 9700;occ; 89; 0;21710  
 18; -410.5; 25-APR-2006 19:20:23; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;21710  
 19; -292.0; 25-APR-2006 19:22:22; Dark ; 41.5; 172; Gam Gru ; 3.00; 13100;occ; 83; 0;21710  
 20; -187.8; 25-APR-2006 19:24:06; Dark ; 40.0; 31; Alp Gru ; 1.73; 15200;occ; 80; 0;21710  
 21; -16.2; 25-APR-2006 19:26:58; Dark ; 40.5; 148; Alp Tuc ; 2.88; 4100;occ; 81; 0;21710  
 22; 132.3; 25-APR-2006 19:29:26; Dark ; 40.5; 45; Alp Pav ; 1.94; 26000;occ; 81; 0;21711  
 23; 548.5; 25-APR-2006 19:36:22; Dark ; 43.5; 43; Alp TrA ; 1.91; 4250;occ; 87; 0;21711  
 24; 679.1; 25-APR-2006 19:38:33; Dark ; 37.5; 134; Bet TrA ; 2.81; 6600;occ; 75; 0;21711  
 25; 810.1; 25-APR-2006 19:40:44; Dark ; 49.0; 4; Alp1Cen ; -0.01; 5800;occ; 98; 0;21711

/nas3/ENVISAT/GOMOS/GOM\_NL\_\_0P/GOM\_NL\_\_0PNPDE20060425\_033838\_00000302047\_00104\_21701\_0351.N1

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/nas3/ENVISAT/GOMOS/GOM\_NL\_\_0P/GOM\_NL\_\_0PNPDE20060425\_223938\_000053202047\_00115\_21712\_0345.N1

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 3; 5745.1; 25-APR-2006 22:43:35; Dark ; 41.5; 172; Gam Gru ; 3.00; 13100;occ; 83; 0;21712  
 4; 5849.0; 25-APR-2006 22:45:19; Dark ; 42.0; 31; Alp Gru ; 1.73; 15200;occ; 84; 0;21712  
 5; 6020.2; 25-APR-2006 22:48:10; Dark ; 40.0; 148; Alp Tuc ; 2.88; 4100;occ; 80; 0;21712  
 6; 6169.4; 25-APR-2006 22:50:39; Dark ; 40.5; 45; Alp Pav ; 1.94; 26000;occ; 81; 0;21712  
 7; 6585.1; 25-APR-2006 22:57:35; Dark ; 40.0; 43; Alp TrA ; 1.91; 4250;occ; 80; 0;21712  
 8; 6715.7; 25-APR-2006 22:59:46; Dark ; 37.0; 134; Bet TrA ; 2.81; 6600;occ; 74; 0;21712  
 9; 6846.5; 25-APR-2006 23:01:56; Dark ; 53.0; 4; Alp1Cen ; -0.01; 5800;occ; 106; 0;21712  
 10; 7047.5; 25-APR-2006 23:05:17; Dark ; 40.5; 78; Alp Lup ; 2.30; 28000;occ; 81; 0;21712  
 11; 7141.2; 25-APR-2006 23:06:51; Dark ; 43.0; 81; Eta Cen ; 2.36; 28000;occ; 86; 0;21712  
 12; 7271.6; 25-APR-2006 23:09:01; Dark ; 44.5; 54; 5The Cen ; 2.06; 4500;occ; 89; 0;21712  
 13; 7535.2; 25-APR-2006 23:13:25; Dark ; 40.0; 169; 46Gam Hya ; 2.99; 4700;occ; 80; 0;21712  
 14; 7739.1; 25-APR-2006 23:16:49; Bright; 40.0; 15; 67Alp Vir ; 0.98; 28000;occ; 80; 0;21712  
 15; 7921.5; 25-APR-2006 23:19:51; Bright; 36.0; 121; 29Gam Vir ; 2.74; 7200;occ; 72; 0;21712  
 16; 8128.4; 25-APR-2006 23:23:18; Bright; 36.0; 138; 47Eps Vir ; 2.83; 4700;occ; 72; 0;21712  
 17; 8859.2; 25-APR-2006 23:35:29; Bright; 35.0; 87; 64Gam UMA ; 2.43; 11000;occ; 70; 0;21712  
 18; 8933.0; 25-APR-2006 23:36:43; Bright; 35.5; 82; 48Bet UMA ; 2.37; 10600;occ; 71; 0;21712  
 19; 9015.6; 25-APR-2006 23:38:05; Bright; 36.5; 36; 50Alp UMA ; 1.80; 6300;occ; 73; 0;21712  
 20; 9270.8; 25-APR-2006 23:42:21; Bright; 38.5; 60; 7Bet UMi ; 2.08; 3950;occ; 77; 0;21712  
 21; 9479.4; 25-APR-2006 23:45:49; Bright; 35.5; 49; 1Alp UMi ; 1.99; 6300;occ; 71; 0;21712  
 22; 9940.5; 25-APR-2006 23:53:30; Bright; 49.0; 110; 37Del Cas ; 2.68; 8900;occ; 98; 0;21712  
 23;10027.3; 25-APR-2006 23:54:57; Bright; 36.0; 68; 18Alp Cas ; 2.22; 4500;occ; 72; 0;21712  
 24;10559.3; 26-APR-2006 00:03:49; Bright; 41.5; 93; 53Bet Peg ; 2.52; 3100;occ; 83; 0;21712  
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/nas3/ENVISAT/GOMOS/GOM\_NL\_\_0P/GOM\_NL\_\_0PNPDE20060426\_002014\_000053212047\_00116\_21713\_0346.N1

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 3; -186.6; 26-APR-2006 00:25:55; Dark ; 39.0; 31; Alp Gru ; 1.73; 15200;occ; 78; 0;21713  
 4; -15.4; 26-APR-2006 00:28:46; Dark ; 48.5; 148; Alp Tuc ; 2.88; 4100;occ; 97; 0;21713  
 5; 134.1; 26-APR-2006 00:31:16; Dark ; 42.5; 45; Alp Pav ; 1.94; 26000;occ; 85; 0;21714  
 6; 549.4; 26-APR-2006 00:38:11; Dark ; 42.5; 43; Alp TrA ; 1.91; 4250;occ; 85; 0;21714  
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 8; 811.0; 26-APR-2006 00:42:33; Dark ; 49.5; 4; Alp1Cen ; -0.01; 5800;occ; 99; 0;21714  
 9; 1011.9; 26-APR-2006 00:45:53; Dark ; 44.0; 78; Alp Lup ; 2.30; 28000;occ; 88; 0;21714  
 10; 1105.6; 26-APR-2006 00:47:27; Dark ; 40.5; 81; Eta Cen ; 2.36; 28000;occ; 81; 0;21714  
 11; 1236.0; 26-APR-2006 00:49:38; Dark ; 44.0; 54; 5The Cen ; 2.06; 4500;occ; 88; 0;21714  
 12; 1499.5; 26-APR-2006 00:54:01; Dark ; 42.0; 169; 46Gam Hya ; 2.99; 4700;occ; 84; 0;21714  
 13; 1703.4; 26-APR-2006 00:57:25; Bright; 40.0; 15; 67Alp Vir ; 0.98; 28000;occ; 80; 0;21714  
 14; 1885.8; 26-APR-2006 01:00:27; Bright; 36.0; 121; 29Gam Vir ; 2.74; 7200;occ; 72; 0;21714  
 15; 2092.5; 26-APR-2006 01:03:54; Bright; 35.5; 138; 47Eps Vir ; 2.83; 4700;occ; 71; 0;21714  
 16; 2562.8; 26-APR-2006 01:11:44; Bright; 35.0; 152; 12Alp2CVn ; 2.89; 11000;occ; 70; 0;21714  
 17; 2823.4; 26-APR-2006 01:16:05; Bright; 52.0; 87; 64Gam UMA ; 2.43; 11000;occ; 104; 0;21714  
 18; 2897.4; 26-APR-2006 01:17:19; Bright; 34.5; 82; 48Bet UMA ; 2.37; 10600;occ; 69; 0;21714  
 19; 2979.9; 26-APR-2006 01:18:41; Bright; 37.0; 36; 50Alp UMA ; 1.80; 6300;occ; 74; 0;21714  
 20; 3234.7; 26-APR-2006 01:22:56; Bright; 39.0; 60; 7Bet UMi ; 2.08; 3950;occ; 78; 0;21714  
 21; 3443.7; 26-APR-2006 01:26:25; Bright; 32.0; 49; 1Alp UMi ; 1.99; 6300;occ; 64; 0;21714  
 22; 3905.0; 26-APR-2006 01:34:07; Bright; 34.0; 110; 37Del Cas ; 2.68; 8900;occ; 68; 0;21714  
 23; 3991.5; 26-APR-2006 01:35:33; Bright; 34.5; 68; 18Alp Cas ; 2.22; 4500;occ; 69; 0;21714  
 24; 4523.7; 26-APR-2006 01:44:25; Bright; 41.5; 93; 53Bet Peg ; 2.52; 3100;occ; 83; 0;21714  
 25; 4752.1; 26-APR-2006 01:48:14; Dark ; 43.0; 90; 54Alp Peg ; 2.49; 11000;occ; 86; 0;21714

/nas3/ENVISAT/GOMOS/GOM\_NL\_\_0P/GOM\_NL\_\_0PNPDE20060426\_020051\_000040062047\_00117\_21714\_0347.N1

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 3; 5746.5; 26-APR-2006 02:04:48; Dark ; 40.5; 172; Gam Gru ; 3.00; 13100;occ; 81; 0;21714  
 4; 5849.9; 26-APR-2006 02:06:31; Dark ; 42.0; 31; Alp Gru ; 1.73; 15200;occ; 84; 0;21714  
 5; 6020.8; 26-APR-2006 02:09:22; Dark ; 38.0; 148; Alp Tuc ; 2.88; 4100;occ; 76; 0;21714  
 6; 6170.6; 26-APR-2006 02:11:52; Dark ; 42.5; 45; Alp Pav ; 1.94; 26000;occ; 85; 0;21714  
 7; 6585.9; 26-APR-2006 02:18:47; Dark ; 41.5; 43; Alp TrA ; 1.91; 4250;occ; 83; 0;21714  
 8; 6716.5; 26-APR-2006 02:20:58; Dark ; 38.0; 134; Bet TrA ; 2.81; 6600;occ; 76; 0;21714  
 9; 6847.2; 26-APR-2006 02:23:09; Dark ; 43.5; 4; Alp1Cen ; -0.01; 5800;occ; 87; 0;21714  
 10; 7048.3; 26-APR-2006 02:26:30; Dark ; 40.0; 78; Alp Lup ; 2.30; 28000;occ; 80; 0;21714  
 11; 7142.0; 26-APR-2006 02:28:04; Dark ; 39.5; 81; Eta Cen ; 2.36; 28000;occ; 79; 0;21714  
 12; 7272.3; 26-APR-2006 02:30:14; Dark ; 39.5; 54; 5The Cen ; 2.06; 4500;occ; 79; 0;21714  
 13; 7535.7; 26-APR-2006 02:34:37; Dark ; 44.0; 169; 46Gam Hya ; 2.99; 4700;occ; 88; 0;21714  
 14; 7739.5; 26-APR-2006 02:38:01; Bright; 39.0; 15; 67Alp Vir ; 0.98; 28000;occ; 78; 0;21714  
 15; 7921.9; 26-APR-2006 02:41:03; Bright; 35.0; 121; 29Gam Vir ; 2.74; 7200;occ; 70; 0;21714

16; 8128.4; 26-APR-2006 02:44:30; Bright; 36.0; 138; 47Eps Vir ; 2.83; 4700;occ; 72; 0;21714  
 17; 8598.8; 26-APR-2006 02:52:20; Bright; 35.0; 152; 12Alp2CVn ; 2.89; 11000;occ; 70; 0;21714  
 18; 8859.5; 26-APR-2006 02:56:41; Bright; 34.0; 87; 64Gam UMa ; 2.43; 11000;occ; 68; 0;21714  
 19; 8933.6; 26-APR-2006 02:57:55; Bright; 34.0; 82; 48Bet UMa ; 2.37; 10600;occ; 68; 0;21714  
 20; 9016.0; 26-APR-2006 02:59:18; Bright; 32.5; 36; 50Alp UMa ; 1.80; 6300;occ; 65; 0;21714  
 21; 9270.5; 26-APR-2006 03:03:32; Bright; 38.5; 60; 7Bet UMi ; 2.08; 3950;occ; 77; 0;21714  
 22; 9479.6; 26-APR-2006 03:07:01; Bright; 36.0; 49; 1Alp UMi ; 1.99; 6300;occ; 72; 0;21714

/nas3/ENVISAT/GOMOS/GOM\_NL\_\_0P/GOM\_NL\_\_0PNPDE20060426\_031443\_000056072047\_00118\_21715\_0348.N1

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 3; 4523.9; 26-APR-2006 03:25:01; Bright; 43.0; 93; 53Bet Peg ; 2.52; 3100;occ; 86; 0;21715  
 4; 4752.4; 26-APR-2006 03:28:50; Dark ; 44.0; 90; 54Alp Peg ; 2.49; 11000;occ; 88; 0;21715  
 5; 5509.5; 26-APR-2006 03:41:27; Dark ; 43.5; 18; 24Alp PsA ; 1.17; 9700;occ; 87; 0;21715  
 6; 5628.1; 26-APR-2006 03:43:25; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;21715  
 7; 5747.2; 26-APR-2006 03:45:25; Dark ; 41.0; 172; Gam Gru ; 3.00; 13100;occ; 82; 0;21715  
 8; 5850.5; 26-APR-2006 03:47:08; Dark ; 41.5; 31; Alp Gru ; 1.73; 15200;occ; 83; 0;21715  
 9; 6021.3; 26-APR-2006 03:49:59; Dark ; 41.5; 148; Alp Tuc ; 2.88; 4100;occ; 83; 0;21715  
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 11; 6586.5; 26-APR-2006 03:59:24; Dark ; 41.5; 43; Alp TrA ; 1.91; 4250;occ; 83; 0;21715  
 12; 6717.1; 26-APR-2006 04:01:35; Dark ; 41.5; 134; Bet TrA ; 2.81; 6600;occ; 83; 0;21715  
 13; 6847.7; 26-APR-2006 04:03:45; Dark ; 51.5; 4; Alp1Cen ; -0.01; 5800;occ; 103; 0;21715  
 14; 7048.8; 26-APR-2006 04:07:06; Dark ; 40.0; 78; Alp Lup ; 2.30; 28000;occ; 80; 0;21715  
 15; 7142.5; 26-APR-2006 04:08:40; Dark ; 40.5; 81; Eta Cen ; 2.36; 28000;occ; 81; 0;21715  
 16; 7272.7; 26-APR-2006 04:10:50; Dark ; 44.0; 54; 5The Cen ; 2.06; 4500;occ; 88; 0;21715  
 17; 7535.9; 26-APR-2006 04:15:13; Dark ; 38.0; 169; 46Gam Hya ; 2.99; 4700;occ; 76; 0;21715  
 18; 7739.8; 26-APR-2006 04:18:37; Bright; 40.0; 15; 67Alp Vir ; 0.98; 28000;occ; 80; 0;21715  
 19; 7922.3; 26-APR-2006 04:21:40; Bright; 36.0; 121; 29Gam Vir ; 2.74; 7200;occ; 72; 0;21715  
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 21; 8598.8; 26-APR-2006 04:32:56; Bright; 36.0; 152; 12Alp2CVn ; 2.89; 11000;occ; 72; 0;21715  
 22; 8859.8; 26-APR-2006 04:37:17; Bright; 34.5; 87; 64Gam UMa ; 2.43; 11000;occ; 69; 0;21715  
 23; 8934.0; 26-APR-2006 04:38:31; Bright; 52.0; 82; 48Bet UMa ; 2.37; 10600;occ; 104; 0;21715  
 24; 9016.4; 26-APR-2006 04:39:54; Bright; 35.0; 36; 50Alp UMa ; 1.80; 6300;occ; 70; 0;21715  
 25; 9270.4; 26-APR-2006 04:44:08; Bright; 39.5; 60; 7Bet UMi ; 2.08; 3950;occ; 79; 0;21715  
 26; 9479.7; 26-APR-2006 04:47:37; Bright; 33.5; 49; 1Alp UMi ; 1.99; 6300;occ; 67; 0;21715

/nas3/ENVISAT/GOMOS/GOM\_NL\_\_0P/GOM\_NL\_\_0PNPDE20060426\_045519\_000056082047\_00119\_21716\_0349.N1

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 3; 4524.0; 26-APR-2006 05:05:37; Bright; 48.5; 93; 53Bet Peg ; 2.52; 3100;occ; 97; 0;21716  
 4; 4752.8; 26-APR-2006 05:09:26; Dark ; 42.0; 90; 54Alp Peg ; 2.49; 11000;occ; 84; 0;21716  
 5; 5510.1; 26-APR-2006 05:22:03; Dark ; 49.0; 18; 24Alp PsA ; 1.17; 9700;occ; 98; 0;21716  
 6; 5628.7; 26-APR-2006 05:24:02; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;21716  
 7; 5747.8; 26-APR-2006 05:26:01; Dark ; 41.5; 172; Gam Gru ; 3.00; 13100;occ; 83; 0;21716  
 8; 5851.0; 26-APR-2006 05:27:44; Dark ; 39.5; 31; Alp Gru ; 1.73; 15200;occ; 79; 0;21716  
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 11; 6586.9; 26-APR-2006 05:40:00; Dark ; 40.0; 43; Alp TrA ; 1.91; 4250;occ; 80; 0;21716  
 12; 6717.6; 26-APR-2006 05:42:11; Dark ; 39.0; 134; Bet TrA ; 2.81; 6600;occ; 78; 0;21716  
 13; 6848.0; 26-APR-2006 05:44:21; Dark ; 42.0; 4; Alp1Cen ; -0.01; 5800;occ; 84; 0;21716  
 14; 7049.2; 26-APR-2006 05:47:43; Dark ; 42.0; 78; Alp Lup ; 2.30; 28000;occ; 84; 0;21716  
 15; 7143.0; 26-APR-2006 05:49:16; Dark ; 42.0; 81; Eta Cen ; 2.36; 28000;occ; 84; 0;21716  
 16; 7272.9; 26-APR-2006 05:51:26; Dark ; 42.0; 54; 5The Cen ; 2.06; 4500;occ; 84; 0;21716  
 17; 7536.2; 26-APR-2006 05:55:50; Dark ; 38.5; 169; 46Gam Hya ; 2.99; 4700;occ; 77; 0;21716  
 18; 7739.9; 26-APR-2006 05:59:13; Bright; 39.5; 15; 67Alp Vir ; 0.98; 28000;occ; 79; 0;21716  
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 20; 8128.7; 26-APR-2006 06:05:42; Bright; 36.0; 138; 47Eps Vir ; 2.83; 4700;occ; 72; 0;21716  
 21; 8598.8; 26-APR-2006 06:13:32; Bright; 33.5; 152; 12Alp2CVn ; 2.89; 11000;occ; 67; 0;21716  
 22; 8859.9; 26-APR-2006 06:17:53; Bright; 35.5; 87; 64Gam UMa ; 2.43; 11000;occ; 71; 0;21716  
 23; 8934.3; 26-APR-2006 06:19:08; Bright; 36.5; 82; 48Bet UMa ; 2.37; 10600;occ; 73; 0;21716  
 24; 9016.7; 26-APR-2006 06:20:30; Bright; 36.5; 36; 50Alp UMa ; 1.80; 6300;occ; 73; 0;21716  
 25; 9270.2; 26-APR-2006 06:24:44; Bright; 38.5; 60; 7Bet UMi ; 2.08; 3950;occ; 77; 0;21716  
 26; 9479.6; 26-APR-2006 06:28:13; Bright; 34.5; 49; 1Alp UMi ; 1.99; 6300;occ; 69; 0;21716

/nas3/ENVISAT/GOMOS/GOM\_NL\_\_0P/GOM\_NL\_\_0PNPDE20060426\_205309\_000037792047\_00129\_21726\_0352.N1

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 14; 3993.1; 26-APR-2006 21:42:46; Bright; 35.5; 68; 18Alp Cas ; 2.22; 4500;occ; 71; 0;21726  
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 16; 4755.4; 26-APR-2006 21:55:28; Dark ; 41.0; 90; 54Alp Peg ; 2.49; 11000;occ; 82; 0;21726

/nas3/ENVISAT/GOMOS/GOM\_NL\_\_0P/GOM\_NL\_\_0PNPDE20060426\_220807\_000053212047\_00129\_21726\_0353.N1

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 4; -180.1; 26-APR-2006 22:13:49; Dark ; 38.0; 31; Alp Gru ; 1.73; 15200;occ; 76; 0;21726  
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 10; 137.3; 26-APR-2006 07:13:42; Dark ; 41.5; 45; Alp Pav ; 1.94; 26000;occ; 83; 0;21718  
 11; 551.8; 26-APR-2006 07:20:37; Dark ; 47.0; 43; Alp TrA ; 1.91; 4250;occ; 94; 0;21718  
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 14; 1014.2; 26-APR-2006 07:28:19; Dark ; 39.5; 78; Alp Lup ; 2.30; 28000;occ; 79; 0;21718  
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 17; 1500.9; 26-APR-2006 07:36:26; Dark ; 37.5; 169; 46Gam Hya ; 2.99; 4700;occ; 75; 0;21718  
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/nas3/ENVISAT/GOMOS/GOM\_NL\_\_0P/GOM\_NL\_\_0PNPDK20060426\_074001\_000060622047\_00121\_21718\_0428.N1

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 6; 2898.5; 26-APR-2006 07:59:44; Bright; 35.5; 82; 48Bet UMa ; 2.37; 10600;occ; 71; 0;21718  
 7; 2980.8; 26-APR-2006 08:01:06; Bright; 36.0; 36; 50Alp UMa ; 1.80; 6300;occ; 72; 0;21718  
 8; 3234.0; 26-APR-2006 08:05:19; Bright; 39.5; 60; 7Bet UMi ; 2.08; 3950;occ; 79; 0;21718  
 9; 3443.8; 26-APR-2006 08:08:49; Bright; 33.5; 49; 1Alp UMi ; 1.99; 6300;occ; 67; 0;21718  
 10; 3906.0; 26-APR-2006 08:16:31; Bright; 32.5; 110; 37Del Cas ; 2.68; 8900;occ; 65; 0;21718  
 11; 3992.2; 26-APR-2006 08:17:58; Bright; 35.5; 68; 18Alp Cas ; 2.22; 4500;occ; 71; 0;21718  
 12; 4524.4; 26-APR-2006 08:26:50; Bright; 42.5; 93; 53Bet Peg ; 2.52; 3100;occ; 85; 0;21718  
 13; 4753.3; 26-APR-2006 08:30:39; Dark ; 42.0; 90; 54Alp Peg ; 2.49; 11000;occ; 84; 0;21718



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14; 5510.7; 26-APR-2006 08:43:16; Dark ; 44.5; 18; 24Alp PsA ; 1.17; 9700;occ; 89; 0;21718
15; 5629.6; 26-APR-2006 08:45:15; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;21718
16; 5749.3; 26-APR-2006 08:47:15; Dark ; 41.5; 172; Gam Gru ; 3.00; 13100;occ; 83; 0;21718
17; 5852.0; 26-APR-2006 08:48:57; Dark ; 46.0; 31; Alp Gru ; 1.73; 15200;occ; 92; 0;21718
18; 6022.2; 26-APR-2006 08:51:48; Dark ; 38.5; 148; Alp Tuc ; 2.88; 4100;occ; 77; 0;21718
19; 6173.3; 26-APR-2006 08:54:19; Dark ; 43.0; 45; Alp Pav ; 1.94; 26000;occ; 86; 0;21718
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21; 6718.2; 26-APR-2006 09:03:24; Dark ; 38.0; 134; Bet TrA ; 2.81; 6600;occ; 76; 0;21718
22; 6848.4; 26-APR-2006 09:05:34; Dark ; 51.0; 4; Alp1Cen ; -0.01; 5800;occ; 102; 0;21718
23; 7049.8; 26-APR-2006 09:08:55; Dark ; 43.0; 78; Alp Lup ; 2.30; 28000;occ; 86; 0;21718
24; 7143.6; 26-APR-2006 09:10:29; Dark ; 39.5; 81; Eta Cen ; 2.36; 28000;occ; 79; 0;21718
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12; -1282.2; 26-APR-2006 10:11:15; Dark ; 44.0; 90; 54Alp Peg ; 2.49; 11000;occ; 88; 0;21719
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18; 137.9; 26-APR-2006 10:34:55; Dark ; 48.0; 45; Alp Pav ; 1.94; 26000;occ; 96; 0;21720
19; 552.0; 26-APR-2006 10:41:49; Dark ; 46.5; 43; Alp TrA ; 1.91; 4250;occ; 93; 0;21720
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22; 1014.3; 26-APR-2006 10:49:32; Dark ; 39.5; 78; Alp Lup ; 2.30; 28000;occ; 79; 0;21720
23; 1108.0; 26-APR-2006 10:51:05; Dark ; 39.0; 81; Eta Cen ; 2.36; 28000;occ; 78; 0;21720
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17; -183.0; 26-APR-2006 12:10:10; Dark ; 40.0; 31; Alp Gru ; 1.73; 15200;occ; 80; 0;21720
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23; 1014.7; 26-APR-2006 12:30:08; Dark ; 40.5; 78; Alp Lup ; 2.30; 28000;occ; 81; 0;21721
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26; 1500.8; 26-APR-2006 12:38:14; Dark ; 39.5; 169; 46Gam Hya ; 2.99; 4700;occ; 79; 0;21721
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4; 2562.4; 26-APR-2006 12:55:55; Bright; 36.0; 152; 12Alp2CVn ; 2.89; 11000;occ; 72; 0;21721
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6; 2899.1; 26-APR-2006 13:01:32; Bright; 36.5; 82; 48Bet UMa ; 2.37; 10600;occ; 73; 0;21721
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8; 3233.2; 26-APR-2006 13:07:06; Bright; 39.5; 60; 7Bet UMi ; 2.08; 3950;occ; 79; 0;21721
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10; 3906.3; 26-APR-2006 13:18:19; Bright; 43.5; 110; 37Del Cas ; 2.68; 8900;occ; 87; 0;21721
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12; 4524.9; 26-APR-2006 13:28:38; Bright; 41.5; 93; 53Bet Peg ; 2.52; 3100;occ; 83; 0;21721
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18; 6023.2; 26-APR-2006 13:53:36; Dark ; 38.0; 148; Alp Tuc ; 2.88; 4100;occ; 76; 0;21721
19; 6175.1; 26-APR-2006 13:56:08; Dark ; 41.0; 45; Alp Pav ; 1.94; 26000;occ; 82; 0;21721
20; 6588.7; 26-APR-2006 14:03:02; Dark ; 40.0; 43; Alp TrA ; 1.91; 4250;occ; 80; 0;21721
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22; 6849.5; 26-APR-2006 14:07:23; Dark ; 41.0; 4; Alp1Cen ; -0.01; 5800;occ; 82; 0;21721
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16; -404.3; 26-APR-2006 15:27:41; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;21722
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 24; 554.6; 26-APR-2006 19:04:51; Dark ; 41.5; 43; Alp TrA ; 1.91; 4250;occ; 83; 0;21725  
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/nas3/ENVISAT/GOMOS/GOM\_NL\_\_0P/GOM\_NL\_\_0PNPDK20060426\_191233\_000060752047\_00128\_21725\_0435.N1

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 26; 814.6; 26-APR-2006 20:49:48; Dark ; 42.5; 4; Alp1Cen ; -0.01; 5800;occ; 85; 0;21726  
 27; 1016.4; 26-APR-2006 20:53:09; Dark ; 40.0; 78; Alp Lup ; 2.30; 28000;occ; 80; 0;21726

/nas3/ENVISAT/GOMOS/GOM\_NL\_\_0P/GOM\_NL\_\_0PNPDE20060426\_234843\_000053182047\_00130\_21727\_0354.N1

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3; -179.6; 26-APR-2006 23:54:25; Dark ; 40.5; 31; Alp Gru ; 1.73; 15200;occ; 81; 0;21727
4; 142.7; 26-APR-2006 23:59:47; Dark ; 39.0; 45; Alp Pav ; 1.94; 26000;occ; 78; 0;21728
5; 554.8; 27-APR-2006 00:06:40; Dark ; 40.5; 43; Alp TrA ; 1.91; 4250;occ; 81; 0;21728
6; 685.8; 27-APR-2006 00:08:51; Dark ; 37.5; 134; Bet TrA ; 2.81; 6600;occ; 75; 0;21728
7; 815.2; 27-APR-2006 00:11:00; Dark ; 51.5; 4; Alp1Cen ; -0.01; 5800;occ; 103; 0;21728
8; 1017.0; 27-APR-2006 00:14:22; Dark ; 41.5; 78; Alp Lup ; 2.30; 28000;occ; 83; 0;21728
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17; 2982.7; 27-APR-2006 00:47:07; Bright; 32.5; 36; 50Alp UMA ; 1.80; 6300;occ; 65; 0;21728
18; 3231.6; 27-APR-2006 00:51:16; Bright; 38.0; 60; 7Bet UMi ; 2.08; 3950;occ; 76; 0;21728
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4; 6025.2; 27-APR-2006 01:37:50; Dark ; 37.5; 148; Alp Tuc ; 2.88; 4100;occ; 75; 0;21728
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13; 7053.9; 27-APR-2006 03:35:34; Dark ; 42.5; 78; Alp Lup ; 2.30; 28000;occ; 85; 0;21729
14; 7147.4; 27-APR-2006 03:37:08; Dark ; 38.5; 81; Eta Cen ; 2.36; 28000;occ; 77; 0;21729
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16; 7538.4; 27-APR-2006 03:43:39; Dark ; 39.5; 169; 46Gam Hya ; 2.99; 4700;occ; 79; 0;21729
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19; 8128.9; 27-APR-2006 03:53:29; Bright; 35.5; 138; 47Eps Vir ; 2.83; 4700;occ; 71; 0;21729
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16; -176.0; 27-APR-2006 11:38:40; Dark ; 39.0; 31; Alp Gru ; 1.73; 15200;occ; 78; 0;21734
17; -8.8; 27-APR-2006 11:41:27; Dark ; 45.5; 148; Alp Tuc ; 2.88; 4100;occ; 91; 0;21734
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19; 557.5; 27-APR-2006 11:50:54; Dark ; 39.0; 43; Alp TrA ; 1.91; 4250;occ; 78; 0;21735
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24; 1241.9; 27-APR-2006 12:02:18; Dark ; 43.0; 54; 5The Cen ; 2.06; 4500;occ; 86; 0;21735
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23; 1113.5; 27-APR-2006 13:40:46; Dark ; 39.0; 81; Eta Cen ; 2.36; 28000;occ; 78; 0;21736
24; 1242.2; 27-APR-2006 13:42:54; Dark ; 42.0; 54; 5The Cen ; 2.06; 4500;occ; 84; 0;21736
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11;-2040.9; 27-APR-2006 14:28:47; Bright; 34.5; 68; 18Alp Cas ; 2.22; 4500;occ; 69; 0;21736
12;-1507.8; 27-APR-2006 14:37:40; Bright; 56.0; 93; 53Bet Peg ; 2.52; 3100;occ; 112; 0;21736
13;-1276.8; 27-APR-2006 14:41:31; Dark ; 45.5; 90; 54Alp Peg ; 2.49; 11000;occ; 91; 0;21736

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16; -274.4; 27-APR-2006 14:58:13; Dark ; 39.0; 172; Gam Gru ; 3.00; 13100;occ; 78; 0;21736
17; -174.4; 27-APR-2006 14:59:53; Dark ; 42.5; 31; Alp Gru ; 1.73; 15200;occ; 85; 0;21736
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24; 1114.2; 27-APR-2006 15:21:22; Dark ; 43.5; 81; Eta Cen ; 2.36; 28000;occ; 87; 0;21737
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12; -1507.7; 27-APR-2006 16:18:16; Bright; 44.5; 93; 53Bet Peg ; 2.52; 3100;occ; 89; 0;21737
13; -1276.6; 27-APR-2006 16:22:07; Dark ; 42.5; 90; 54Alp Peg ; 2.49; 11000;occ; 85; 0;21737
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15; -395.7; 27-APR-2006 16:36:48; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;21737
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17; -173.9; 27-APR-2006 16:40:30; Dark ; 43.0; 31; Alp Gru ; 1.73; 15200;occ; 86; 0;21737
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5; -6.6; 27-APR-2006 23:25:41; Dark ; 43.5; 148; Alp Tuc ; 2.88; 4100;occ; 87; 0;21741  
6; 151.5; 27-APR-2006 23:28:19; Dark ; 40.5; 45; Alp Pav ; 1.94; 26000;occ; 81; 0;21742  
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 7; 6732.3; 28-APR-2006 23:05:48; Dark ; 37.5; 134; Bet TrA ; 2.81; 6600;occ; 75; 0;21755  
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 15; 8129.3; 28-APR-2006 23:29:04; Bright; 35.5; 138; 47Eps Vir ; 2.83; 4700;occ; 71; 0;21755

```

16; 8595.9; 28-APR-2006 23:36:51; Bright; 34.0; 152; 12Alp2CVn ; 2.89; 11000;occ; 68; 0;21755
17; 8863.9; 28-APR-2006 23:41:19; Bright; 33.5; 87; 64Gam UMa ; 2.43; 11000;occ; 67; 0;21755
18; 9024.1; 28-APR-2006 23:43:59; Bright; 36.5; 36; 50Alp UMa ; 1.80; 6300;occ; 73; 0;21755
19; 9261.1; 28-APR-2006 23:47:56; Bright; 38.5; 60; 7Bet UMi ; 2.08; 3950;occ; 77; 0;21755
20; 9479.7; 28-APR-2006 23:51:35; Bright; 33.5; 49; 1Alp UMi ; 1.99; 6300;occ; 67; 0;21755
21; 9948.5; 28-APR-2006 23:59:24; Bright; 33.5; 110; 37Del Cas ; 2.68; 8900;occ; 67; 0;21755
22;10032.4; 29-APR-2006 00:00:48; Bright; 35.5; 68; 18Alp Cas ; 2.22; 4500;occ; 71; 0;21755
23;10799.8; 29-APR-2006 00:13:35; Dark ; 44.5; 90; 54Alp Peg ; 2.49; 11000;occ; 89; 0;21755
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11; 561.9; 28-APR-2006 07:58:10; Dark ; 47.0; 43; Alp TrA ; 1.91; 4250;occ; 94; 0;21747
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13; 820.8; 28-APR-2006 08:02:28; Dark ; 43.0; 4; Alp1Cen ;-0.01; 5800;occ; 86; 0;21747
14; 1023.8; 28-APR-2006 08:05:51; Dark ; 39.0; 78; Alp Lup ; 2.30; 28000;occ; 78; 0;21747
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16; 1245.0; 28-APR-2006 08:09:33; Dark ; 46.5; 54; 5The Cen ; 2.06; 4500;occ; 93; 0;21747
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 3;-3942.2; 28-APR-2006 11:44:53; Bright; 35.5; 138; 47Eps Vir ; 2.83; 4700;occ; 71; 0;21749
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12;-1273.1; 28-APR-2006 12:29:22; Dark ; 44.5; 90; 54Alp Peg ; 2.49; 11000;occ; 89; 0;21749
13; -511.2; 28-APR-2006 12:42:04; Dark ; 44.5; 18; 24Alp PsA ; 1.17; 9700;occ; 89; 0;21749
14; -389.1; 28-APR-2006 12:44:06; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;21749
15; -265.5; 28-APR-2006 12:46:09; Dark ; 42.0; 172; Gam Gru ; 3.00; 13100;occ; 84; 0;21749
16; -167.8; 28-APR-2006 12:47:47; Dark ; 39.5; 31; Alp Gru ; 1.73; 15200;occ; 79; 0;21749
17; -3.3; 28-APR-2006 12:50:31; Dark ; 45.0; 148; Alp Tuc ; 2.88; 4100;occ; 90; 0;21749
18; 157.2; 28-APR-2006 12:53:12; Dark ; 41.0; 45; Alp Pav ; 1.94; 26000;occ; 82; 0;21750
19; 563.6; 28-APR-2006 12:59:58; Dark ; 39.5; 43; Alp TrA ; 1.91; 4250;occ; 79; 0;21750
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21; 822.2; 28-APR-2006 13:04:17; Dark ; 44.5; 4; Alp1Cen ;-0.01; 5800;occ; 89; 0;21750
22; 1025.5; 28-APR-2006 13:07:40; Dark ; 38.5; 78; Alp Lup ; 2.30; 28000;occ; 77; 0;21750
23; 1118.5; 28-APR-2006 13:09:13; Dark ; 39.5; 81; Eta Cen ; 2.36; 28000;occ; 79; 0;21750
24; 1246.3; 28-APR-2006 13:11:21; Dark ; 45.5; 54; 5The Cen ; 2.06; 4500;occ; 91; 0;21750
25; 1506.3; 28-APR-2006 13:15:41; Dark ; 51.5; 169; 46Gam Hya ; 2.99; 4700;occ; 103; 0;21750
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 5;-3474.9; 28-APR-2006 13:33:16; Bright; 36.0; 152; 12Alp2CVn ; 2.89; 11000;occ; 72; 0;21750
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10;-2123.7; 28-APR-2006 13:55:47; Bright; 32.5; 110; 37Del Cas ; 2.68; 8900;occ; 65; 0;21750
11;-2039.3; 28-APR-2006 13:57:11; Bright; 33.5; 68; 18Alp Cas ; 2.22; 4500;occ; 67; 0;21750
12;-1273.0; 28-APR-2006 14:09:58; Dark ; 42.5; 90; 54Alp Peg ; 2.49; 11000;occ; 85; 0;21750
13; -510.9; 28-APR-2006 14:22:40; Dark ; 47.0; 18; 24Alp PsA ; 1.17; 9700;occ; 94; 0;21750
14; -388.5; 28-APR-2006 14:24:42; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;21750
15; -264.9; 28-APR-2006 14:26:46; Dark ; 40.5; 172; Gam Gru ; 3.00; 13100;occ; 81; 0;21750

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16; -167.3; 28-APR-2006 14:28:23; Dark ; 43.5; 31; Alp Gru ; 1.73; 15200;occ; 87; 0;21750
17; 157.8; 28-APR-2006 14:33:48; Dark ; 40.0; 45; Alp Pav ; 1.94; 26000;occ; 80; 0;21751
18; 564.1; 28-APR-2006 14:40:35; Dark ; 39.0; 43; Alp TrA ; 1.91; 4250;occ; 78; 0;21751
19; 695.4; 28-APR-2006 14:42:46; Dark ; 38.0; 134; Bet TrA ; 2.81; 6600;occ; 76; 0;21751
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22; 1119.0; 28-APR-2006 14:49:50; Dark ; 40.0; 81; Eta Cen ; 2.36; 28000;occ; 80; 0;21751
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 9; -2591.4; 28-APR-2006 15:28:35; Bright; 35.0; 49; 1Alp UMi ; 1.99; 6300;occ; 70; 0;21751
10; -2123.6; 28-APR-2006 15:36:23; Bright; 33.5; 110; 37Del Cas ; 2.68; 8900;occ; 67; 0;21751
11; -2039.2; 28-APR-2006 15:37:47; Bright; 35.5; 68; 18Alp Cas ; 2.22; 4500;occ; 71; 0;21751
12; -1272.7; 28-APR-2006 15:50:34; Dark ; 43.0; 90; 54Alp Peg ; 2.49; 11000;occ; 86; 0;21751
13; -510.5; 28-APR-2006 16:03:16; Dark ; 47.0; 18; 24Alp PsA ; 1.17; 9700;occ; 94; 0;21751
14; -388.0; 28-APR-2006 16:05:19; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;21751
15; -264.0; 28-APR-2006 16:07:23; Dark ; 42.0; 172; Gam Gru ; 3.00; 13100;occ; 84; 0;21751
16; -166.7; 28-APR-2006 16:09:00; Dark ; 42.5; 31; Alp Gru ; 1.73; 15200;occ; 85; 0;21751
17; 158.4; 28-APR-2006 16:14:25; Dark ; 40.0; 45; Alp Pav ; 1.94; 26000;occ; 80; 0;21752
18; 564.4; 28-APR-2006 16:21:11; Dark ; 41.0; 43; Alp TrA ; 1.91; 4250;occ; 82; 0;21752
19; 695.8; 28-APR-2006 16:23:22; Dark ; 39.5; 134; Bet TrA ; 2.81; 6600;occ; 79; 0;21752
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21; 1026.1; 28-APR-2006 16:28:53; Dark ; 40.5; 78; Alp Lup ; 2.30; 28000;occ; 81; 0;21752
22; 1119.2; 28-APR-2006 16:30:26; Dark ; 40.5; 81; Eta Cen ; 2.36; 28000;occ; 81; 0;21752
23; 1246.9; 28-APR-2006 16:32:34; Dark ; 33.5; 54; 5The Cen ; 2.06; 4500;occ; 67; 0;21752
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 8; 2987.7; 28-APR-2006 17:01:35; Bright; 36.5; 36; 50Alp UMA ; 1.80; 6300;occ; 73; 0;21752
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12; 3996.3; 28-APR-2006 17:18:24; Bright; 31.5; 68; 18Alp Cas ; 2.22; 4500;occ; 63; 0;21752
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18; 6033.1; 28-APR-2006 17:52:20; Dark ; 39.0; 148; Alp Tuc ; 2.88; 4100;occ; 78; 0;21752
19; 6194.4; 28-APR-2006 17:55:02; Dark ; 41.0; 45; Alp Pav ; 1.94; 26000;occ; 82; 0;21752
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 4; -4529.6; 28-APR-2006 18:17:30; Dark ; 52.0; 169; 46Gam Hya ; 2.99; 4700;occ; 104; 0;21753
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11; -2810.0; 28-APR-2006 18:46:09; Bright; 38.5; 60; 7Bet UMi ; 2.08; 3950;occ; 77; 0;21753
12; -2592.0; 28-APR-2006 18:49:47; Bright; 35.5; 49; 1Alp UMi ; 1.99; 6300;occ; 71; 0;21753

```

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 16; -510.2; 28-APR-2006 19:24:29; Dark ; 44.0; 18; 24Alp PsA ; 1.17; 9700;occ; 88; 0;21753  
 17; -387.4; 28-APR-2006 19:26:32; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;21753  
 18; -263.3; 28-APR-2006 19:28:36; Dark ; 41.5; 172; Gam Gru ; 3.00; 13100;occ; 83; 0;21753  
 19; -166.4; 28-APR-2006 19:30:13; Dark ; 40.0; 31; Alp Gru ; 1.73; 15200;occ; 80; 0;21753  
 20; -2.7; 28-APR-2006 19:32:57; Dark ; 37.5; 148; Alp Tuc ; 2.88; 4100;occ; 75; 0;21753  
 21; 159.0; 28-APR-2006 19:35:38; Dark ; 42.0; 45; Alp Pav ; 1.94; 26000;occ; 84; 0;21754  
 22; 564.4; 28-APR-2006 19:42:24; Dark ; 41.5; 43; Alp TrA ; 1.91; 4250;occ; 83; 0;21754  
 23; 695.8; 28-APR-2006 19:44:35; Dark ; 38.5; 134; Bet TrA ; 2.81; 6600;occ; 77; 0;21754  
 24; 822.7; 28-APR-2006 19:46:42; Dark ; 43.0; 4; Alp1Cen ; -0.01; 5800;occ; 86; 0;21754

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 10; -2040.3; 28-APR-2006 08:55:23; Bright; 35.5; 68; 18Alp Cas ; 2.22; 4500;occ; 71; 0;21747  
 11; -1506.5; 28-APR-2006 09:04:17; Bright; 43.0; 93; 53Bet Peg ; 2.52; 3100;occ; 86; 0;21747  
 12; -1274.5; 28-APR-2006 09:08:09; Dark ; 43.0; 90; 54Alp Peg ; 2.49; 11000;occ; 86; 0;21747  
 13; -512.9; 28-APR-2006 09:20:51; Dark ; 44.5; 18; 24Alp PsA ; 1.17; 9700;occ; 89; 0;21747  
 14; -390.7; 28-APR-2006 09:22:53; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;21747  
 15; -267.6; 28-APR-2006 09:24:56; Dark ; 41.5; 172; Gam Gru ; 3.00; 13100;occ; 83; 0;21747  
 16; -169.4; 28-APR-2006 09:26:34; Dark ; 39.5; 31; Alp Gru ; 1.73; 15200;occ; 79; 0;21747  
 17; -4.5; 28-APR-2006 09:29:19; Dark ; 38.0; 148; Alp Tuc ; 2.88; 4100;occ; 76; 0;21747  
 18; 155.2; 28-APR-2006 09:31:59; Dark ; 40.0; 45; Alp Pav ; 1.94; 26000;occ; 80; 0;21748  
 19; 562.4; 28-APR-2006 09:38:46; Dark ; 47.0; 43; Alp TrA ; 1.91; 4250;occ; 94; 0;21748  
 20; 693.7; 28-APR-2006 09:40:57; Dark ; 38.5; 134; Bet TrA ; 2.81; 6600;occ; 77; 0;21748  
 21; 821.1; 28-APR-2006 09:43:05; Dark ; 43.0; 4; Alp1Cen ; -0.01; 5800;occ; 86; 0;21748  
 22; 1024.2; 28-APR-2006 09:46:28; Dark ; 39.5; 78; Alp Lup ; 2.30; 28000;occ; 79; 0;21748  
 23; 1117.3; 28-APR-2006 09:48:01; Dark ; 41.5; 81; Eta Cen ; 2.36; 28000;occ; 83; 0;21748  
 24; 1245.2; 28-APR-2006 09:50:09; Dark ; 42.0; 54; 5The Cen ; 2.06; 4500;occ; 84; 0;21748  
 25; 1505.4; 28-APR-2006 09:54:29; Dark ; 50.5; 169; 46Gam Hya ; 2.99; 4700;occ; 101; 0;21748  
 26; 1706.9; 28-APR-2006 09:57:50; Bright; 38.5; 15; 67Alp Vir ; 0.98; 28000;occ; 77; 0;21748

/nas3/ENVISAT/GOMOS/GOM\_NL\_\_0P/GOM\_NL\_\_0PNPDK20060428\_100054\_000056952047\_00151\_21748\_0453.N1

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 9; -2040.1; 28-APR-2006 10:35:59; Bright; 33.5; 68; 18Alp Cas ; 2.22; 4500;occ; 67; 0;21748  
 10; -1506.4; 28-APR-2006 10:44:53; Bright; 33.0; 93; 53Bet Peg ; 2.52; 3100;occ; 66; 0;21748  
 11; -1274.1; 28-APR-2006 10:48:45; Dark ; 43.5; 90; 54Alp Peg ; 2.49; 11000;occ; 87; 0;21748  
 12; -512.4; 28-APR-2006 11:01:27; Dark ; 42.5; 18; 24Alp PsA ; 1.17; 9700;occ; 85; 0;21748  
 13; -390.2; 28-APR-2006 11:03:29; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;21748  
 14; -266.9; 28-APR-2006 11:05:33; Dark ; 41.0; 172; Gam Gru ; 3.00; 13100;occ; 82; 0;21748  
 15; -169.0; 28-APR-2006 11:07:10; Dark ; 38.5; 31; Alp Gru ; 1.73; 15200;occ; 77; 0;21748  
 16; -4.2; 28-APR-2006 11:09:55; Dark ; 37.0; 148; Alp Tuc ; 2.88; 4100;occ; 74; 0;21748  
 17; 156.0; 28-APR-2006 11:12:35; Dark ; 40.0; 45; Alp Pav ; 1.94; 26000;occ; 80; 0;21749  
 18; 562.6; 28-APR-2006 11:19:22; Dark ; 40.0; 43; Alp TrA ; 1.91; 4250;occ; 80; 0;21749  
 19; 694.0; 28-APR-2006 11:21:33; Dark ; 38.5; 134; Bet TrA ; 2.81; 6600;occ; 77; 0;21749  
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 21; 1024.4; 28-APR-2006 11:27:04; Dark ; 39.0; 78; Alp Lup ; 2.30; 28000;occ; 78; 0;21749  
 22; 1117.6; 28-APR-2006 11:28:37; Dark ; 39.0; 81; Eta Cen ; 2.36; 28000;occ; 78; 0;21749  
 23; 1245.5; 28-APR-2006 11:30:45; Dark ; 40.5; 54; 5The Cen ; 2.06; 4500;occ; 81; 0;21749  
 24; 1505.6; 28-APR-2006 11:35:05; Dark ; 44.5; 169; 46Gam Hya ; 2.99; 4700;occ; 89; 0;21749

/nas3/ENVISAT/GOMOS/GOM\_NL\_\_0P/GOM\_NL\_\_0PNPDE20060429\_002618\_000053162047\_00159\_21756\_0370.N1

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 3; -164.8; 29-APR-2006 00:32:02; Dark ; 41.5; 31; Alp Gru ; 1.73; 15200;occ; 83; 0;21756

```

4; -1.7; 29-APR-2006 00:34:45; Dark ; 40.5; 148; Alp Tuc ; 2.88; 4100;occ; 81; 0;21756
5; 160.8; 29-APR-2006 00:37:28; Dark ; 41.5; 45; Alp Pav ; 1.94; 26000;occ; 83; 0;21757
6; 565.4; 29-APR-2006 00:44:12; Dark ; 38.5; 43; Alp TrA ; 1.91; 4250;occ; 77; 0;21757
7; 696.9; 29-APR-2006 00:46:24; Dark ; 39.5; 134; Bet TrA ; 2.81; 6600;occ; 79; 0;21757
8; 823.5; 29-APR-2006 00:48:30; Dark ; 52.5; 4; Alp1Cen ;-0.01; 5800;occ; 105; 0;21757
9; 1027.0; 29-APR-2006 00:51:54; Dark ; 40.5; 78; Alp Lup ; 2.30; 28000;occ; 81; 0;21757
10; 1120.1; 29-APR-2006 00:53:27; Dark ; 40.5; 81; Eta Cen ; 2.36; 28000;occ; 81; 0;21757
11; 1247.4; 29-APR-2006 00:55:34; Dark ; 43.0; 54; 5The Cen ; 2.06; 4500;occ; 86; 0;21757
12; 1506.9; 29-APR-2006 00:59:54; Dark ; 52.0; 169; 46Gam Hya ; 2.99; 4700;occ; 104; 0;21757
13; 1707.9; 29-APR-2006 01:03:15; Bright; 38.5; 15; 67Alp Vir ; 0.98; 28000;occ; 77; 0;21757
14; 1891.3; 29-APR-2006 01:06:18; Bright; 36.5; 121; 29Gam Vir ; 2.74; 7200;occ; 73; 0;21757
15; 2093.4; 29-APR-2006 01:09:40; Bright; 35.5; 138; 47Eps Vir ; 2.83; 4700;occ; 71; 0;21757
16; 2559.9; 29-APR-2006 01:17:27; Bright; 36.5; 152; 12Alp2CVn ; 2.89; 11000;occ; 73; 0;21757
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18; 2988.5; 29-APR-2006 01:24:35; Bright; 38.0; 36; 50Alp UMa ; 1.80; 6300;occ; 76; 0;21757
19; 3225.0; 29-APR-2006 01:28:32; Bright; 39.0; 60; 7Bet UMi ; 2.08; 3950;occ; 78; 0;21757
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21; 3912.8; 29-APR-2006 01:40:00; Bright; 34.5; 110; 37Del Cas ; 2.68; 8900;occ; 69; 0;21757
22; 3996.8; 29-APR-2006 01:41:24; Bright; 36.0; 68; 18Alp Cas ; 2.22; 4500;occ; 72; 0;21757
23; 4764.3; 29-APR-2006 01:54:11; Dark ; 44.0; 90; 54Alp Peg ; 2.49; 11000;occ; 88; 0;21757
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3; 5871.6; 29-APR-2006 02:12:39; Dark ; 43.0; 31; Alp Gru ; 1.73; 15200;occ; 86; 0;21757
4; 6034.6; 29-APR-2006 02:15:22; Dark ; 44.5; 148; Alp Tuc ; 2.88; 4100;occ; 89; 0;21757
5; 6197.4; 29-APR-2006 02:18:04; Dark ; 41.0; 45; Alp Pav ; 1.94; 26000;occ; 82; 0;21757
6; 6601.8; 29-APR-2006 02:24:49; Dark ; 39.0; 43; Alp TrA ; 1.91; 4250;occ; 78; 0;21757
7; 6733.2; 29-APR-2006 02:27:00; Dark ; 40.0; 134; Bet TrA ; 2.81; 6600;occ; 80; 0;21757
8; 6859.7; 29-APR-2006 02:29:07; Dark ; 43.5; 4; Alp1Cen ;-0.01; 5800;occ; 87; 0;21757
9; 7063.4; 29-APR-2006 02:32:30; Dark ; 42.5; 78; Alp Lup ; 2.30; 28000;occ; 85; 0;21757
10; 7156.4; 29-APR-2006 02:34:03; Dark ; 42.5; 81; Eta Cen ; 2.36; 28000;occ; 85; 0;21757
11; 7283.7; 29-APR-2006 02:36:11; Dark ; 43.0; 54; 5The Cen ; 2.06; 4500;occ; 86; 0;21757
12; 7543.0; 29-APR-2006 02:40:30; Dark ; 52.0; 169; 46Gam Hya ; 2.99; 4700;occ; 104; 0;21757
13; 7744.0; 29-APR-2006 02:43:51; Bright; 37.5; 15; 67Alp Vir ; 0.98; 28000;occ; 75; 0;21757
14; 7927.4; 29-APR-2006 02:46:54; Bright; 36.0; 121; 29Gam Vir ; 2.74; 7200;occ; 72; 0;21757
15; 8129.4; 29-APR-2006 02:50:16; Bright; 35.5; 138; 47Eps Vir ; 2.83; 4700;occ; 71; 0;21757
16; 8595.8; 29-APR-2006 02:58:03; Bright; 35.0; 152; 12Alp2CVn ; 2.89; 11000;occ; 70; 0;21757
17; 8864.2; 29-APR-2006 03:02:31; Bright; 34.5; 87; 64Gam UMa ; 2.43; 11000;occ; 69; 0;21757
18; 9024.7; 29-APR-2006 03:05:12; Bright; 33.0; 36; 50Alp UMa ; 1.80; 6300;occ; 66; 0;21757
19; 9260.7; 29-APR-2006 03:09:08; Bright; 37.0; 60; 7Bet UMi ; 2.08; 3950;occ; 74; 0;21757
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3;-1270.8; 29-APR-2006 03:34:47; Dark ; 44.5; 90; 54Alp Peg ; 2.49; 11000;occ; 89; 0;21758
4; -507.3; 29-APR-2006 03:47:31; Dark ; 45.0; 18; 24Alp PsA ; 1.17; 9700;occ; 90; 0;21758
5; -384.0; 29-APR-2006 03:49:34; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;21758
6; -259.4; 29-APR-2006 03:51:39; Dark ; 41.5; 172; Gam Gru ; 3.00; 13100;occ; 83; 0;21758
7; -163.1; 29-APR-2006 03:53:15; Dark ; 41.5; 31; Alp Gru ; 1.73; 15200;occ; 83; 0;21758
8; -0.2; 29-APR-2006 03:55:58; Dark ; 40.5; 148; Alp Tuc ; 2.88; 4100;occ; 81; 0;21758
9; 162.9; 29-APR-2006 03:58:41; Dark ; 40.5; 45; Alp Pav ; 1.94; 26000;occ; 81; 0;21759
10; 567.0; 29-APR-2006 04:05:25; Dark ; 48.0; 43; Alp TrA ; 1.91; 4250;occ; 96; 0;21759
11; 698.5; 29-APR-2006 04:07:37; Dark ; 37.5; 134; Bet TrA ; 2.81; 6600;occ; 75; 0;21759
12; 824.8; 29-APR-2006 04:09:43; Dark ; 42.0; 4; Alp1Cen ;-0.01; 5800;occ; 84; 0;21759
13; 1028.5; 29-APR-2006 04:13:07; Dark ; 42.0; 78; Alp Lup ; 2.30; 28000;occ; 84; 0;21759
14; 1121.6; 29-APR-2006 04:14:40; Dark ; 41.5; 81; Eta Cen ; 2.36; 28000;occ; 83; 0;21759
15; 1248.7; 29-APR-2006 04:16:47; Dark ; 43.5; 54; 5The Cen ; 2.06; 4500;occ; 87; 0;21759
16; 1508.0; 29-APR-2006 04:21:06; Dark ; 42.5; 169; 46Gam Hya ; 2.99; 4700;occ; 85; 0;21759
17; 1708.9; 29-APR-2006 04:24:27; Bright; 38.5; 15; 67Alp Vir ; 0.98; 28000;occ; 77; 0;21759
18; 1892.5; 29-APR-2006 04:27:31; Bright; 35.5; 121; 29Gam Vir ; 2.74; 7200;occ; 71; 0;21759
19; 2094.3; 29-APR-2006 04:30:52; Bright; 35.5; 138; 47Eps Vir ; 2.83; 4700;occ; 71; 0;21759
20; 2560.5; 29-APR-2006 04:38:39; Bright; 33.5; 152; 12Alp2CVn ; 2.89; 11000;occ; 67; 0;21759
21; 2829.2; 29-APR-2006 04:43:07; Bright; 34.0; 87; 64Gam UMa ; 2.43; 11000;occ; 68; 0;21759
22; 2989.7; 29-APR-2006 04:45:48; Bright; 37.5; 36; 50Alp UMa ; 1.80; 6300;occ; 75; 0;21759
23; 3225.3; 29-APR-2006 04:49:43; Bright; 40.0; 60; 7Bet UMi ; 2.08; 3950;occ; 80; 0;21759
24; 3444.5; 29-APR-2006 04:53:23; Bright; 33.0; 49; 1Alp UMi ; 1.99; 6300;occ; 66; 0;21759
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 12; 6860.6; 29-APR-2006 05:50:19; Dark ; 51.5; 4; Alp1Cen ; -0.01; 5800;occ; 103; 0;21759  
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 17; 7744.5; 29-APR-2006 06:05:03; Bright; 40.0; 15; 67Alp Vir ; 0.98; 28000;occ; 80; 0;21759  
 18; 7927.9; 29-APR-2006 06:08:07; Bright; 35.5; 121; 29Gam Vir ; 2.74; 7200;occ; 71; 0;21759  
 19; 8129.9; 29-APR-2006 06:11:29; Bright; 35.0; 138; 47Eps Vir ; 2.83; 4700;occ; 70; 0;21759  
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 22; 9025.3; 29-APR-2006 06:26:24; Bright; 37.5; 36; 50Alp UMa ; 1.80; 6300;occ; 75; 0;21759  
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/nas3/ENVISAT/GOMOS/GOM\_NL\_\_0P/GOM\_NL\_\_0PNPDE20060429\_205545\_000032052047\_00172\_21769\_0374.N1

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 4; 1251.2; 29-APR-2006 21:02:49; Dark ; 41.5; 54; 5The Cen ; 2.06; 4500;occ; 83; 0;21769  
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 7; 1894.0; 29-APR-2006 21:13:32; Bright; 36.0; 121; 29Gam Vir ; 2.74; 7200;occ; 72; 0;21769  
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 9; 2560.1; 29-APR-2006 21:24:38; Bright; 35.0; 152; 12Alp2CVn ; 2.89; 11000;occ; 70; 0;21769  
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 11; 2991.8; 29-APR-2006 21:31:50; Bright; 37.0; 36; 50Alp UMa ; 1.80; 6300;occ; 74; 0;21769  
 12; 3223.0; 29-APR-2006 21:35:41; Bright; 38.5; 60; 7Bet UMi ; 2.08; 3950;occ; 77; 0;21769  
 13; 3444.6; 29-APR-2006 21:39:22; Bright; 33.0; 49; 1Alp UMi ; 1.99; 6300;occ; 66; 0;21769  
 14; 3915.4; 29-APR-2006 21:47:13; Bright; 32.5; 110; 37Del Cas ; 2.68; 8900;occ; 65; 0;21769  
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/nas3/ENVISAT/GOMOS/GOM\_NL\_\_0P/GOM\_NL\_\_0PNPDE20060429\_221411\_000045342047\_00172\_21769\_0375.N1

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 7; 570.3; 29-APR-2006 22:32:05; Dark ; 41.0; 43; Alp TrA ; 1.91; 4250;occ; 82; 0;21770  
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 12; 1250.9; 29-APR-2006 22:43:25; Dark ; 43.5; 54; 5The Cen ; 2.06; 4500;occ; 87; 0;21770  
 13; 1509.2; 29-APR-2006 22:47:43; Dark ; 42.0; 169; 46Gam Hya ; 2.99; 4700;occ; 84; 0;21770  
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 16; 2094.0; 29-APR-2006 22:57:28; Bright; 35.0; 138; 47Eps Vir ; 2.83; 4700;occ; 70; 0;21770  
 17; 2559.5; 29-APR-2006 23:05:14; Bright; 34.5; 152; 12Alp2CVn ; 2.89; 11000;occ; 69; 0;21770  
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 22; 3915.2; 29-APR-2006 23:27:49; Bright; 35.0; 110; 37Del Cas ; 2.68; 8900;occ; 70; 0;21770  
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/nas3/ENVISAT/GOMOS/GOM\_NL\_\_0P/GOM\_NL\_\_0PNPDK20060429\_064148\_000036732047\_00163\_21760\_0454.N1

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11; 699.2; 29-APR-2006 07:28:49; Dark ; 38.5; 134; Bet TrA ; 2.81; 6600;occ; 77; 0;21761  
12; 825.4; 29-APR-2006 07:30:56; Dark ; 43.0; 4; Alp1Cen ; -0.01; 5800;occ; 86; 0;21761  
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16; 1508.4; 29-APR-2006 07:42:19; Dark ; 43.5; 169; 46Gam Hya ; 2.99; 4700;occ; 87; 0;21761

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4; 2559.9; 29-APR-2006 07:59:51; Bright; 35.5; 152; 12Alp2CVn ; 2.89; 11000;occ; 71; 0;21761  
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6; 2989.5; 29-APR-2006 08:07:00; Bright; 35.0; 36; 50Alp UMa ; 1.80; 6300;occ; 70; 0;21761  
7; 3224.2; 29-APR-2006 08:10:55; Bright; 37.0; 60; 7Bet UMi ; 2.08; 3950;occ; 74; 0;21761  
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9; 3913.6; 29-APR-2006 08:22:24; Bright; 52.0; 110; 37Del Cas ; 2.68; 8900;occ; 104; 0;21761  
10; 3997.3; 29-APR-2006 08:23:48; Bright; 35.0; 68; 18Alp Cas ; 2.22; 4500;occ; 70; 0;21761  
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13; 5653.1; 29-APR-2006 08:51:24; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;21761  
14; 5778.1; 29-APR-2006 08:53:29; Dark ; 41.0; 172; Gam Gru ; 3.00; 13100;occ; 82; 0;21761  
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16; 6036.1; 29-APR-2006 08:57:47; Dark ; 38.5; 148; Alp Tuc ; 2.88; 4100;occ; 77; 0;21761  
17; 6200.1; 29-APR-2006 09:00:31; Dark ; 41.0; 45; Alp Pav ; 1.94; 26000;occ; 82; 0;21761  
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6; 2989.7; 29-APR-2006 09:47:36; Bright; 37.0; 36; 50Alp UMa ; 1.80; 6300;occ; 74; 0;21762  
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9; 3913.5; 29-APR-2006 10:03:00; Bright; 44.0; 110; 37Del Cas ; 2.68; 8900;occ; 88; 0;21762  
10; 3997.3; 29-APR-2006 10:04:24; Bright; 33.5; 68; 18Alp Cas ; 2.22; 4500;occ; 67; 0;21762  
11; 4765.9; 29-APR-2006 10:17:13; Dark ; 44.5; 90; 54Alp Peg ; 2.49; 11000;occ; 89; 0;21762  
12; 5529.9; 29-APR-2006 10:29:57; Dark ; 44.0; 18; 24Alp PsA ; 1.17; 9700;occ; 88; 0;21762  
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19; 6735.3; 29-APR-2006 10:50:02; Dark ; 38.5; 134; Bet TrA ; 2.81; 6600;occ; 77; 0;21762  
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21; 7065.0; 29-APR-2006 10:55:32; Dark ; 38.5; 78; Alp Lup ; 2.30; 28000;occ; 77; 0;21762  
22; 7158.1; 29-APR-2006 10:57:05; Dark ; 39.0; 81; Eta Cen ; 2.36; 28000;occ; 78; 0;21762  
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17; 165.3; 29-APR-2006 12:21:44; Dark ; 41.5; 45; Alp Pav ; 1.94; 26000;occ; 83; 0;21764
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22; 1122.5; 29-APR-2006 12:37:41; Dark ; 40.5; 81; Eta Cen ; 2.36; 28000;occ; 81; 0;21764
23; 1249.4; 29-APR-2006 12:39:48; Dark ; 43.0; 54; 5The Cen ; 2.06; 4500;occ; 86; 0;21764
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8; 3444.1; 29-APR-2006 13:16:23; Bright; 35.0; 49; 1Alp UMi ; 1.99; 6300;occ; 70; 0;21764
9; 3914.1; 29-APR-2006 13:24:13; Bright; 33.5; 110; 37Del Cas ; 2.68; 8900;occ; 67; 0;21764
10; 3997.5; 29-APR-2006 13:25:36; Bright; 32.5; 68; 18Alp Cas ; 2.22; 4500;occ; 65; 0;21764
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13; 5654.7; 29-APR-2006 13:53:13; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;21764
14; 5780.2; 29-APR-2006 13:55:19; Dark ; 41.5; 172; Gam Gru ; 3.00; 13100;occ; 83; 0;21764
15; 5875.4; 29-APR-2006 13:56:54; Dark ; 42.5; 31; Alp Gru ; 1.73; 15200;occ; 85; 0;21764
16; 6037.1; 29-APR-2006 13:59:36; Dark ; 38.0; 148; Alp Tuc ; 2.88; 4100;occ; 76; 0;21764
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22; 7158.8; 29-APR-2006 14:18:17; Dark ; 38.5; 81; Eta Cen ; 2.36; 28000;occ; 77; 0;21764
23; 7285.6; 29-APR-2006 14:20:24; Dark ; 44.0; 54; 5The Cen ; 2.06; 4500;occ; 88; 0;21764
24; 7544.3; 29-APR-2006 14:24:43; Dark ; 9.0; 169; 46Gam Hya ; 2.99; 4700;occ; 18; 0;21764
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4; 3.1; 30-APR-2006 00:03:13; Dark ; 40.5; 148; Alp Tuc ; 2.88; 4100;occ; 81; 0;21771
5; 169.7; 30-APR-2006 00:06:00; Dark ; 42.5; 45; Alp Pav ; 1.94; 26000;occ; 85; 0;21771
6; 570.6; 30-APR-2006 00:12:41; Dark ; 43.5; 43; Alp TrA ; 1.91; 4250;occ; 87; 0;21771
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8; 827.4; 30-APR-2006 00:16:57; Dark ; 52.5; 4; Alp1Cen ;-0.01; 5800;occ; 105; 0;21771
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12; 1509.3; 30-APR-2006 00:28:19; Dark ; 48.0; 169; 46Gam Hya ; 2.99; 4700;occ; 96; 0;21771
13; 1709.6; 30-APR-2006 00:31:40; Bright; 39.0; 15; 67Alp Vir ; 0.98; 28000;occ; 78; 0;21771
14; 1893.4; 30-APR-2006 00:34:43; Bright; 35.0; 121; 29Gam Vir ; 2.74; 7200;occ; 70; 0;21771
15; 2094.2; 30-APR-2006 00:38:04; Bright; 35.0; 138; 47Eps Vir ; 2.83; 4700;occ; 70; 0;21771
16; 2559.4; 30-APR-2006 00:45:50; Bright; 35.0; 152; 12Alp2CVn ; 2.89; 11000;occ; 70; 0;21771
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21; 3914.9; 30-APR-2006 01:08:25; Bright; 34.5; 110; 37Del Cas ; 2.68; 8900;occ; 69; 0;21771

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16;-159.9; 29-APR-2006 15:37:30; Dark ; 42.5; 31; Alp Gru ; 1.73; 15200;occ; 85; 0;21765
17; 1.5; 29-APR-2006 15:40:12; Dark ; 44.5; 148; Alp Tuc ; 2.88; 4100;occ; 89; 0;21766
18; 166.8; 29-APR-2006 15:42:57; Dark ; 40.5; 45; Alp Pav ; 1.94; 26000;occ; 81; 0;21766
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23; 1123.1; 29-APR-2006 15:58:53; Dark ; 41.0; 81; Eta Cen ; 2.36; 28000;occ; 82; 0;21766
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5; 1508.7; 29-APR-2006 17:45:55; Dark ; 38.0; 169; 46Gam Hya ; 2.99; 4700;occ; 76; 0;21767
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9; 2559.6; 29-APR-2006 18:03:26; Bright; 35.0; 152; 12Alp2CVn ; 2.89; 11000;occ; 70; 0;21767
10; 2829.5; 29-APR-2006 18:07:56; Bright; 36.0; 87; 64Gam UMa ; 2.43; 11000;occ; 72; 0;21767
11; 2990.9; 29-APR-2006 18:10:37; Bright; 36.5; 36; 50Alp UMa ; 1.80; 6300;occ; 73; 0;21767
12; 3223.0; 29-APR-2006 18:14:29; Bright; 37.5; 60; 7Bet UMi ; 2.08; 3950;occ; 75; 0;21767
13; 3444.1; 29-APR-2006 18:18:10; Bright; 36.0; 49; 1Alp UMi ; 1.99; 6300;occ; 72; 0;21767
14; 3914.5; 29-APR-2006 18:26:01; Bright; 34.0; 110; 37Del Cas ; 2.68; 8900;occ; 68; 0;21767
15; 3997.9; 29-APR-2006 18:27:24; Bright; 35.0; 68; 18Alp Cas ; 2.22; 4500;occ; 70; 0;21767
16; 4767.4; 29-APR-2006 18:40:14; Dark ; 37.0; 90; 54Alp Peg ; 2.49; 11000;occ; 74; 0;21767
17; 5532.3; 29-APR-2006 18:52:59; Dark ; 44.0; 18; 24Alp PsA ; 1.17; 9700;occ; 88; 0;21767
18; 5656.6; 29-APR-2006 18:55:03; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;21767

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19; 5782.3; 29-APR-2006 18:57:09; Dark ; 42.0; 172; Gam Gru ; 3.00; 13100;occ; 84; 0;21767
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7; 4.0; 30-APR-2006 03:24:26; Dark ; 43.0; 148; Alp Tuc ; 2.88; 4100;occ; 86; 0;21773
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12; 1032.6; 30-APR-2006 03:41:34; Dark ; 39.5; 78; Alp Lup ; 2.30; 28000;occ; 79; 0;21773
13; 1125.5; 30-APR-2006 03:43:07; Dark ; 41.5; 81; Eta Cen ; 2.36; 28000;occ; 83; 0;21773

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10; 703.5; 30-APR-2006 05:16:41; Dark ; 37.5; 134; Bet TrA ; 2.81; 6600;occ; 75; 0;21774
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15; -371.2; 30-APR-2006 16:42:58; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;21780
16; -151.2; 30-APR-2006 16:46:38; Dark ; 40.5; 31; Alp Gru ; 1.73; 15200;occ; 81; 0;21780

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