

# GOMOS Daily Report 01-APR-2006

## Level 0 and Level 1 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	05APR2006 13:46:21

Data source version	GOMOS/4.02
Start time of products	01-04-2006 (01APR2006 00:00:00)
Stop time of products	02-04-2006 (02APR2006 00:00:00)
Store outputs in DB	Yes
Nb of level 1b prods	55
Nb of prods with errors	0

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

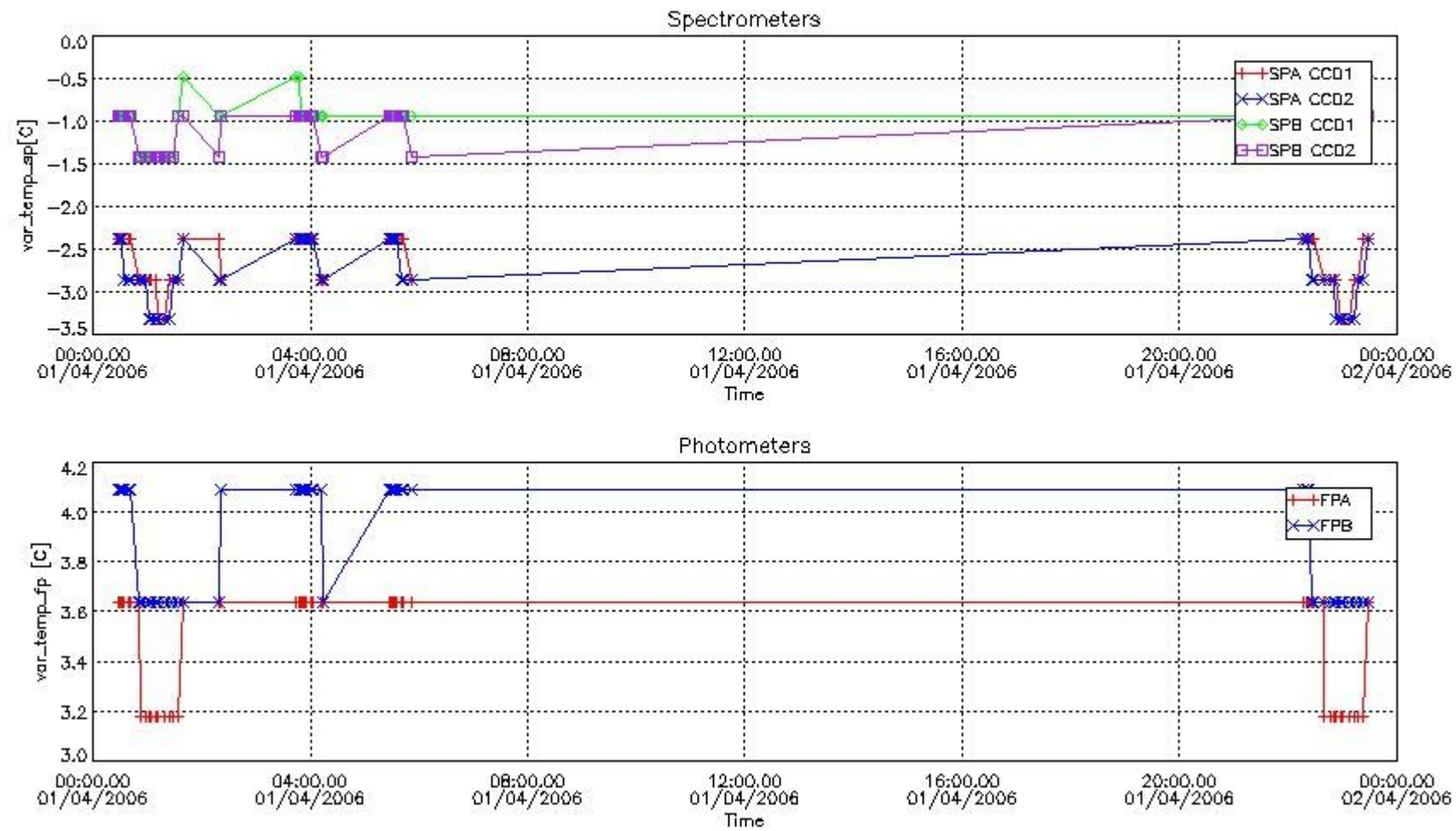
### 2.1 Level 0 products arrived in PCF (see template [here](#))

### 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_1PNPDE20060401_002831_000000442046_00260_21356_0003.N1	01-APR-2006 00:28:31	Dark	44.000	78	Alp Lup	2.3040	28000.	88	21356	No
2	GOM_TRA_1PNPDE20060401_003007_000000392046_00260_21356_0004.N1	01-APR-2006 00:30:07	Twilight	39.000	81	Eta Cen	2.3560	28000.	78	21356	No
3	GOM_TRA_1PNPDE20060401_003127_000000392046_00260_21356_0005.N1	01-APR-2006 00:31:27	Twilight	38.500	64	Gam Cen	2.2000	10600.	77	21356	No
4	GOM_TRA_1PNPDE20060401_003400_000000442046_00260_21356_0006.N1	01-APR-2006 00:34:00	Bright	44.000	123	Iot Cen	2.7500	10200.	88	21356	No
5	GOM_TRA_1PNPDE20060401_003852_000000472046_00260_21356_0007.N1	01-APR-2006 00:38:52	Bright	46.500	106	9Bet Crv	2.6480	5600.0	93	21356	No
6	GOM_TRA_1PNPDE20060401_004050_000000412046_00260_21356_0008.N1	01-APR-2006 00:40:50	Bright	40.500	100	4Gam Crv	2.5800	13100.	81	21356	No
7	GOM_TRA_1PNPDE20060401_005034_000000392046_00260_21356_0009.N1	01-APR-2006 00:50:34	Bright	39.000	62	94Bet Leo	2.1360	9700.0	78	21356	No
8	GOM_TRA_1PNPDE20060401_005210_000000362046_00260_21356_0010.N1	01-APR-2006 00:52:10	Bright	36.000	96	68Del Leo	2.5600	9300.0	72	21356	No
9	GOM_TRA_1PNPDE20060401_005859_000000372046_00260_21356_0011.N1	01-APR-2006 00:58:59	Bright	37.000	174	52Psi UMa	3.0040	4400.0	74	21356	No
10	GOM_TRA_1PNPDE20060401_010201_000000352046_00260_21356_0012.N1	01-APR-2006 01:02:01	Bright	35.000	87	64Gam UMa	2.4330	11000.	70	21356	No
11	GOM_TRA_1PNPDE20060401_010351_000000362046_00260_21356_0013.N1	01-APR-2006 01:03:51	Bright	36.000	36	50Alp UMa	1.8000	6300.0	72	21356	No
12	GOM_TRA_1PNPDE20060401_011011_000000412046_00260_21356_0014.N1	01-APR-2006 01:10:11	Bright	40.500	60	7Bet UMi	2.0810	3950.0	81	21356	No
13	GOM_TRA_1PNPDE20060401_011152_000000332046_00260_21356_0015.N1	01-APR-2006 01:11:52	Bright	33.000	49	1Alp UMi	1.9900	6300.0	66	21356	No
14	GOM_TRA_1PNPDE20060401_011935_000000372046_00260_21356_0016.N1	01-APR-2006 01:19:35	Bright	36.500	89	5Alp Cep	2.4510	8000.0	73	21356	No
15	GOM_TRA_1PNPDE20060401_012446_000000432046_00260_21356_0017.N1	01-APR-2006 01:24:46	Bright	42.500	19	50Alp Cyg	1.2460	10500.	85	21356	No
16	GOM_TRA_1PNPDE20060401_012827_000000432046_00260_21356_0018.N1	01-APR-2006 01:28:27	Bright	43.000	92	53Eps Cyg	2.5000	4500.0	86	21356	No
17	GOM_TRA_1PNPDE20060401_013459_000000462046_00260_21356_0019.N1	01-APR-2006 01:34:59	Twilight	45.500	61	8Eps Peg	2.1000	3900.0	91	21356	No
18	GOM_TRA_1PNPDE20060401_013934_000000432046_00260_21356_0020.N1	01-APR-2006 01:39:34	Twilight	42.500	154	22Bet Aqr	2.8990	5700.0	85	21356	No
19	GOM_TRA_1PNPDE20060401_021928_000000462046_00261_21357_0008.N1	01-APR-2006 02:19:28	Bright	46.000	106	9Bet Crv	2.6480	5600.0	92	21357	No
20	GOM_TRA_1PNPDE20060401_022126_000000422046_00261_21357_0009.N1	01-APR-2006 02:21:26	Bright	41.500	100	4Gam Crv	2.5800	13100.	83	21357	No
21	GOM_TRA_1PNPDE20060401_034420_000000382046_00262_21358_0006.N1	01-APR-2006 03:44:20	Dark	38.000	134	Bet TrA	2.8100	6600.0	76	21358	No
22	GOM_TRA_1PNPDE20060401_034659_000000552046_00262_21358_0007.N1	01-APR-2006 03:46:59	Dark	54.500	4	Alp1Cen	-0.010000	5800.0	109	21358	No
23	GOM_TRA_1PNPDE20060401_034944_000000462046_00262_21358_0008.N1	01-APR-2006 03:49:44	Dark	45.500	78	Alp Lup	2.3040	28000.	91	21358	No
24	GOM_TRA_1PNPDE20060401_035120_000000422046_00262_21358_0009.N1	01-APR-2006 03:51:20	Twilight	42.000	81	Eta Cen	2.3560	28000.	84	21358	No
25	GOM_TRA_1PNPDE20060401_035239_000000422046_00262_21358_0010.N1	01-APR-2006 03:52:39	Twilight	41.500	64	Gam Cen	2.2000	10600.	83	21358	No
26	GOM_TRA_1PNPDE20060401_035513_000000462046_00262_21358_0011.N1	01-APR-2006 03:55:13	Bright	45.500	123	Iot Cen	2.7500	10200.	91	21358	No
27	GOM_TRA_1PNPDE20060401_040005_000000482046_00262_21358_0012.N1	01-APR-2006 04:00:05	Bright	47.500	106	9Bet Crv	2.6480	5600.0	95	21358	No
28	GOM_TRA_1PNPDE20060401_040203_000000442046_00262_21358_0013.N1	01-APR-2006 04:02:03	Bright	44.000	100	4Gam Crv	2.5800	13100.	88	21358	No
29	GOM_TRA_1PNPDE20060401_041145_000000392046_00262_21358_0014.N1	01-APR-2006 04:11:45	Bright	38.500	62	94Bet Leo	2.1360	9700.0	77	21358	No
30	GOM_TRA_1PNPDE20060401_041322_000000362046_00262_21358_0015.N1	01-APR-2006 04:13:22	Bright	36.000	96	68Del Leo	2.5600	9300.0	72	21358	No
31	GOM_TRA_1PNPDE20060401_052736_000000462046_00263_21359_0007.N1	01-APR-2006 05:27:36	Dark	46.000	4	Alp1Cen	-0.010000	5800.0	92	21359	No
32	GOM_TRA_1PNPDE20060401_053020_000000472046_00263_21359_0008.N1	01-APR-2006 05:30:20	Dark	46.500	78	Alp Lup	2.3040	28000.	93	21359	No
33	GOM_TRA_1PNPDE20060401_053157_000000422046_00263_21359_0009.N1	01-APR-2006 05:31:57	Twilight	42.000	81	Eta Cen	2.3560	28000.	84	21359	No
34	GOM_TRA_1PNPDE20060401_053316_000000402046_00263_21359_0010.N1	01-APR-2006 05:33:16	Twilight	39.500	64	Gam Cen	2.2000	10600.	79	21359	No
35	GOM_TRA_1PNPDE20060401_053550_000000432046_00263_21359_0011.N1	01-APR-2006 05:35:50	Bright	43.000	123	Iot Cen	2.7500	10200.	86	21359	No
36	GOM_TRA_1PNPDE20060401_054041_000000472046_00263_21359_0012.N1	01-APR-2006 05:40:41	Bright	47.000	106	9Bet Crv	2.6480	5600.0	94	21359	No
37	GOM_TRA_1PNPDE20060401_054239_000000452046_00263_21359_0013.N1	01-APR-2006 05:42:39	Bright	44.500	100	4Gam Crv	2.5800	13100.	89	21359	No
38	GOM_TRA_1PNPDE20060401_055221_000000382046_00263_21359_0014.N1	01-APR-2006 05:52:21	Bright	38.000	62	94Bet Leo	2.1360	9700.0	76	21359	No
39	GOM_TRA_1PNPDE20060401_221626_000000452046_00273_21369_0003.N1	01-APR-2006 22:16:26	Dark	45.000	78	Alp Lup	2.3040	28000.	90	21369	No
40	GOM_TRA_1PNPDE20060401_221918_000000422046_00273_21369_0004.N1	01-APR-2006 22:19:18	Twilight	42.000	64	Gam Cen	2.2000	10600.	84	21369	No
41	GOM_TRA_1PNPDE20060401_222153_000000412046_00273_21369_0005.N1	01-APR-2006 22:21:53	Bright	41.000	123	Iot Cen	2.7500	10200.	82	21369	No
42	GOM_TRA_1PNPDE20060401_222642_000000472046_00273_21369_0006.N1	01-APR-2006 22:26:42	Bright	46.500	106	9Bet Crv	2.6480	5600.0	93	21369	No
43	GOM_TRA_1PNPDE20060401_222840_000000432046_00273_21369_0007.N1	01-APR-2006 22:28:40	Bright	42.500	100	4Gam Crv	2.5800	13100.	85	21369	No
44	GOM_TRA_1PNPDE20060401_223820_000000382046_00273_21369_0008.N1	01-APR-2006 22:38:20	Bright	38.000	62	94Bet Leo	2.1360	9700.0	76	21369	No
45	GOM_TRA_1PNPDE20060401_223957_000000352046_00273_21369_0009.N1	01-APR-2006 22:39:57	Bright	35.000	96	68Del Leo	2.5600	9300.0	70	21369	No
46	GOM_TRA_1PNPDE20060401_224646_000000362046_00273_21369_0010.N1	01-APR-2006 22:46:46	Bright	36.000	174	52Psi UMa	3.0040	4400.0	72	21369	No

47	GOM_TRA_1PNPDE20060401_224946_000000382046_00273_21369_0011.N1	01-APR-2006 22:49:46	Bright	38.000	87	64Gam UMa	2.4330	11000.	76	21369	No
48	GOM_TRA_1PNPDE20060401_225137_000000392046_00273_21369_0012.N1	01-APR-2006 22:51:37	Bright	39.000	36	50Alp UMa	1.8000	6300.0	78	21369	No
49	GOM_TRA_1PNPDE20060401_225754_000000402046_00273_21369_0013.N1	01-APR-2006 22:57:54	Bright	40.000	60	7Bet UMi	2.0810	3950.0	80	21369	No
50	GOM_TRA_1PNPDE20060401_225940_000000362046_00273_21369_0014.N1	01-APR-2006 22:59:40	Bright	36.000	49	1Alp UMi	1.9900	6300.0	72	21369	No
51	GOM_TRA_1PNPDE20060401_230721_000000542046_00273_21369_0015.N1	01-APR-2006 23:07:21	Bright	54.000	89	5Alp Cep	2.4510	8000.0	108	21369	No
52	GOM_TRA_1PNPDE20060401_231233_000000392046_00273_21369_0016.N1	01-APR-2006 23:12:33	Bright	39.000	19	50Alp Cyg	1.2460	10500.	78	21369	No
53	GOM_TRA_1PNPDE20060401_231615_000000442046_00273_21369_0017.N1	01-APR-2006 23:16:15	Bright	44.000	92	53Eps Cyg	2.5000	4500.0	88	21369	No
54	GOM_TRA_1PNPDE20060401_232250_000000452046_00273_21369_0018.N1	01-APR-2006 23:22:50	Twilight	45.000	61	8Eps Peg	2.1000	3900.0	90	21369	No
55	GOM_TRA_1PNPDE20060401_232726_000000422046_00273_21369_0019.N1	01-APR-2006 23:27:26	Twilight	41.500	154	22Bet Aqr	2.8990	5700.0	83	21369	No

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



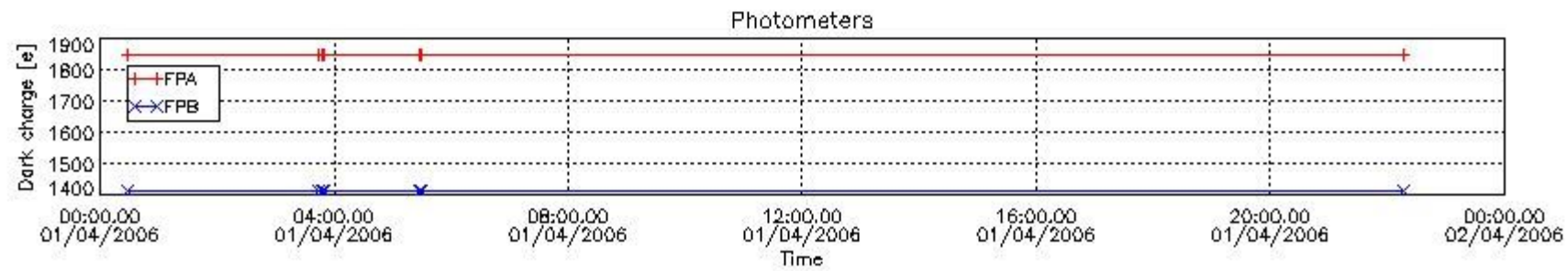
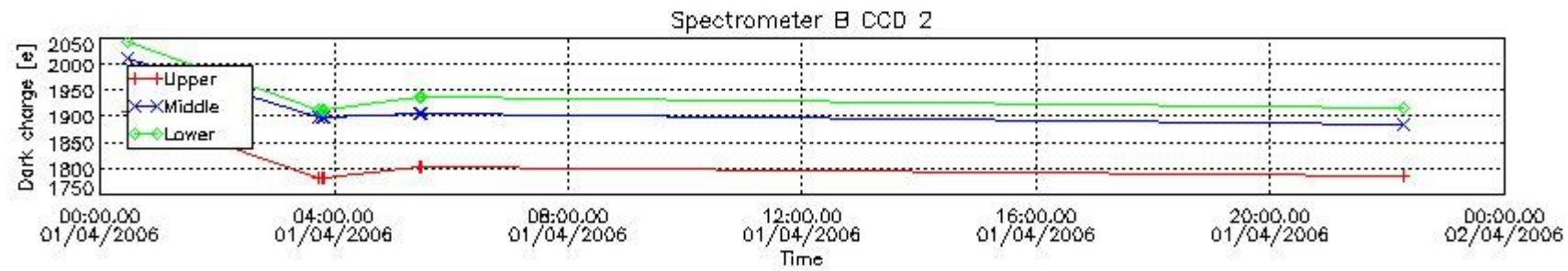
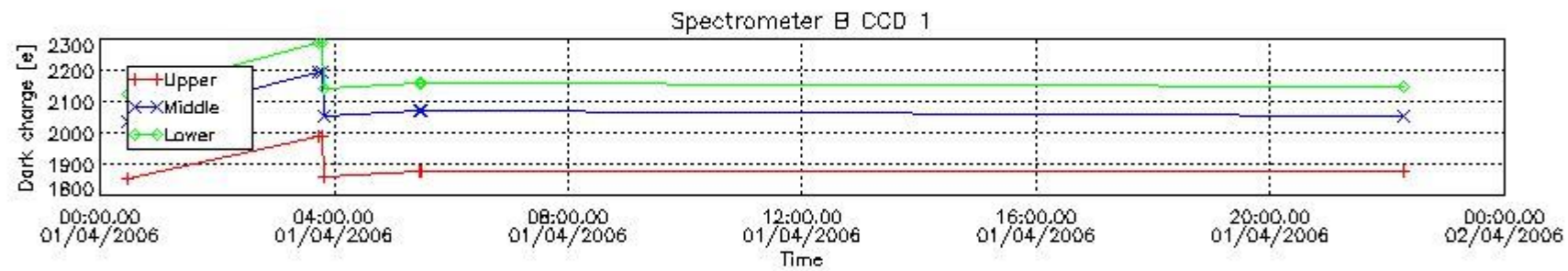
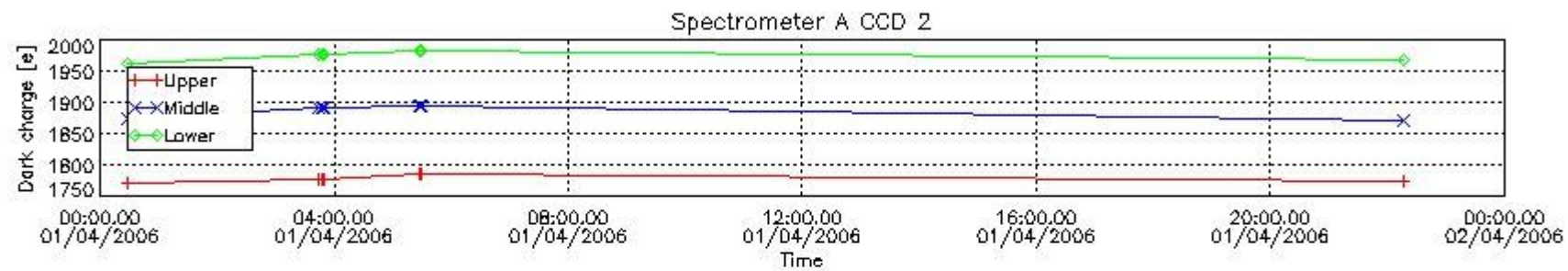
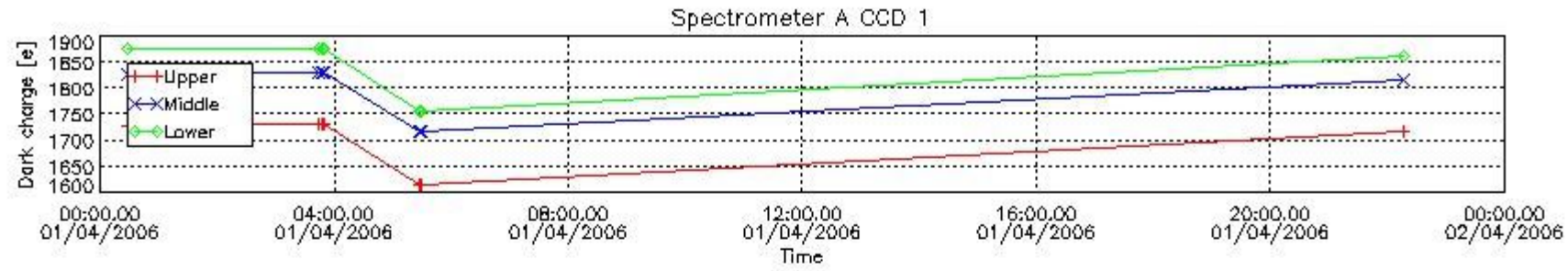
### 4. Overview of dark signal processing per product

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

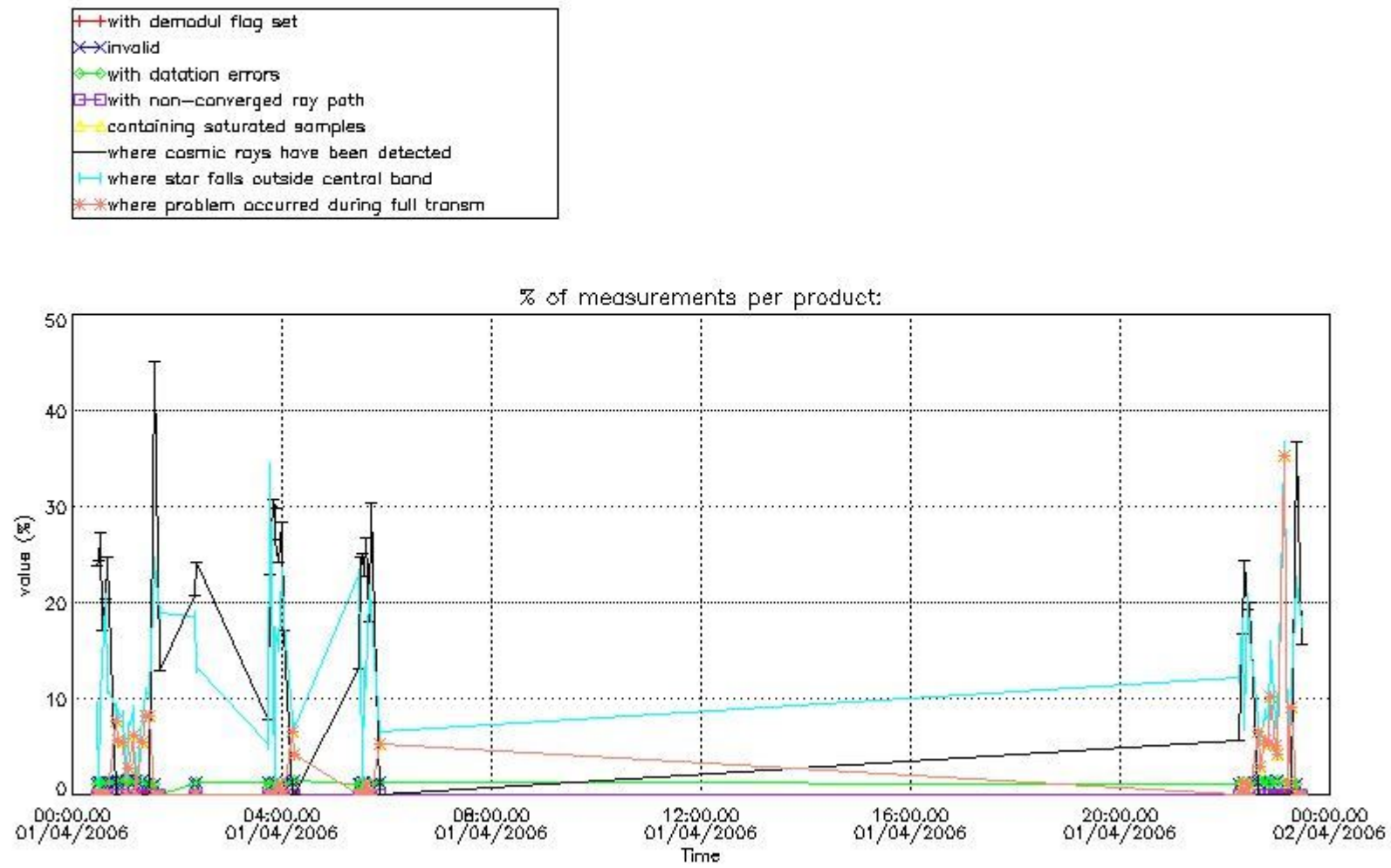
In this section it is presented the modulation information extracted from the pcd (product confidence data) at measurement level and information extracted from the Quality Summary dataset. Only products without errors (error flag in the MPH set to "0") are used.

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

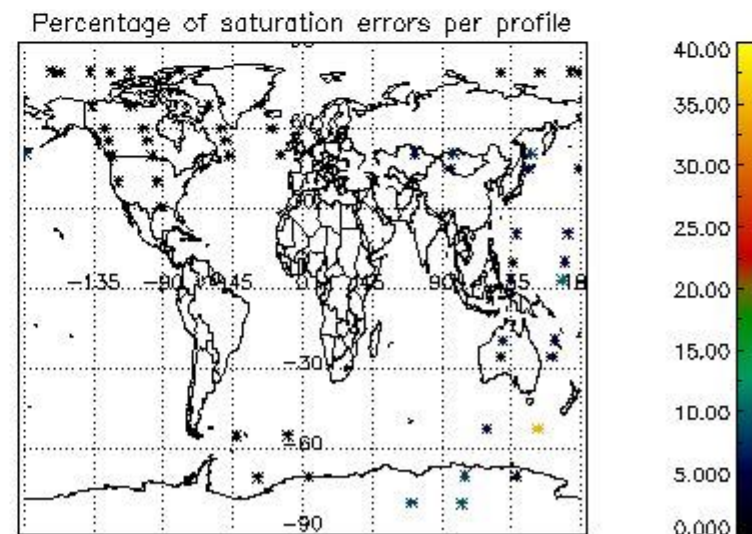
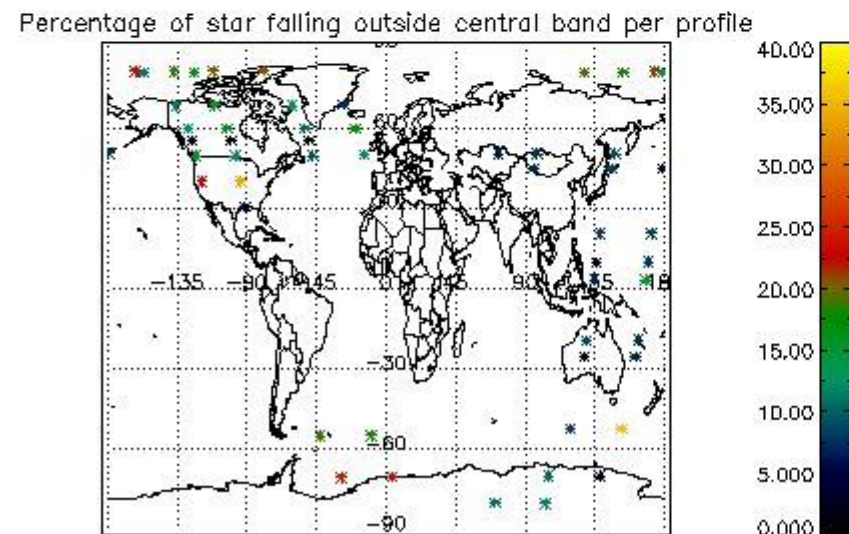
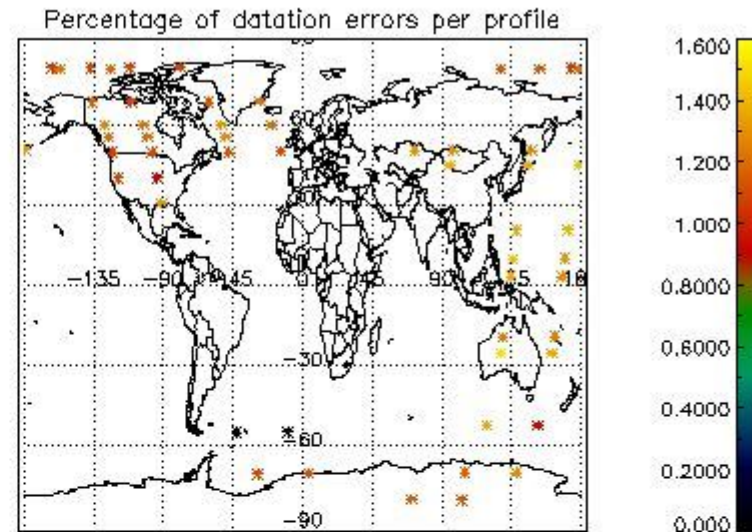
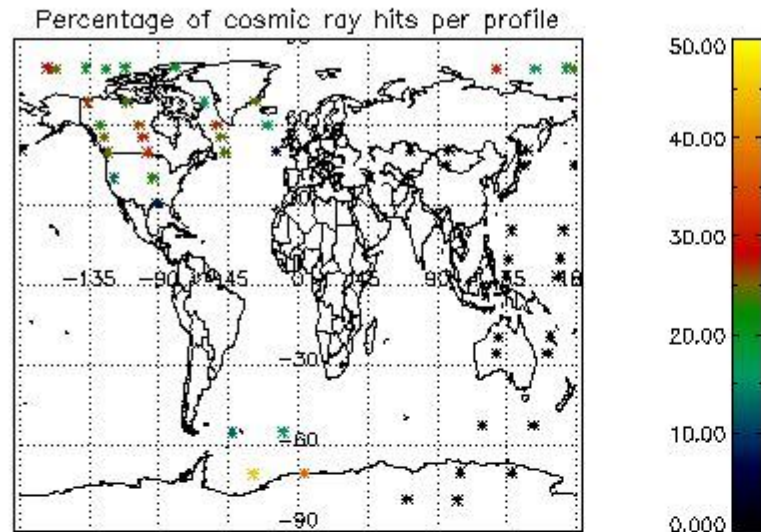


At least one measurement with demodulation flag set:	5.45455 %
Reference spectrum computed from DB:	0.00000 %
Reference spectrum with small number of measurements:	0.00000 %
SATU data not used:	0.00000 %

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



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



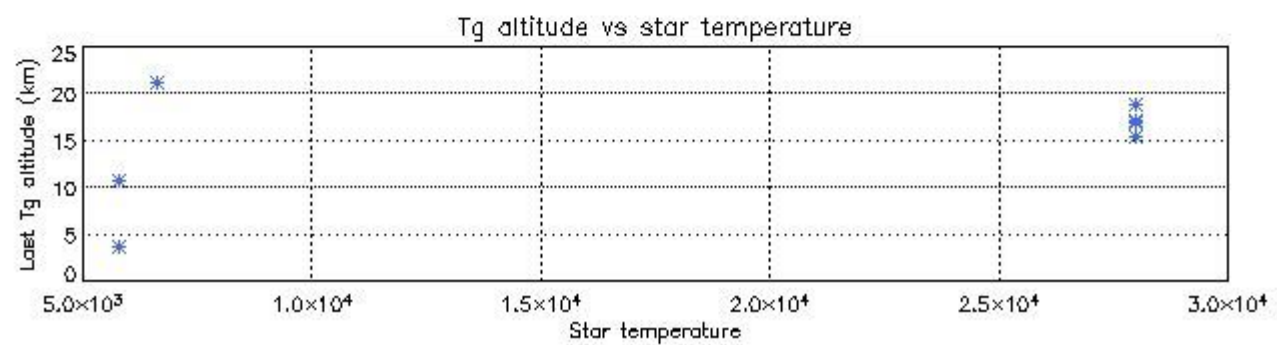
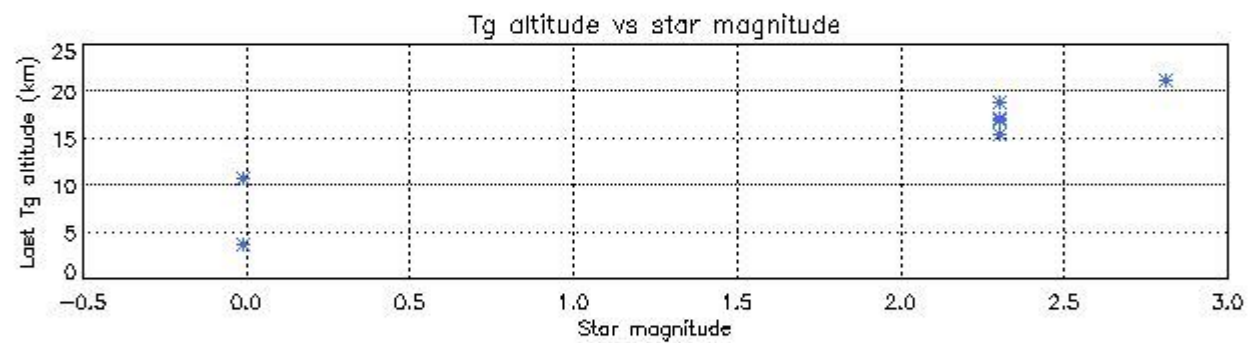
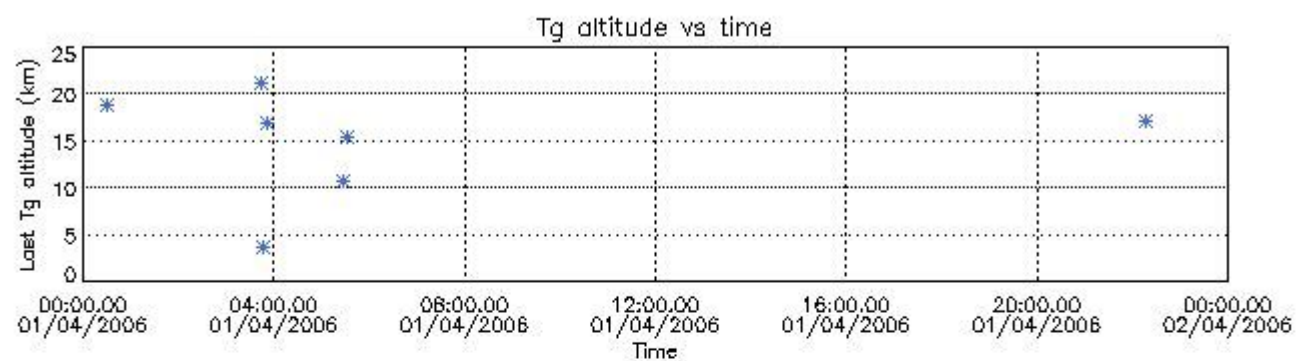
## 6. Statistics and plot of tangent altitude of the last measurement (DARK & BRIGHT products without errors)

### 6.1 Statistics on tangent altitude lost:

Statistics	DARK	BRIGHT	TWILIGHT
Mean:	14.769	17.323	17.211
St. deviation:	5.8799	4.7105	7.1287
Maximum:	21.131	26.589	31.959
Minimum:	3.6407	3.5736	9.6397
Number of data:	7.0000	37.000	11.000

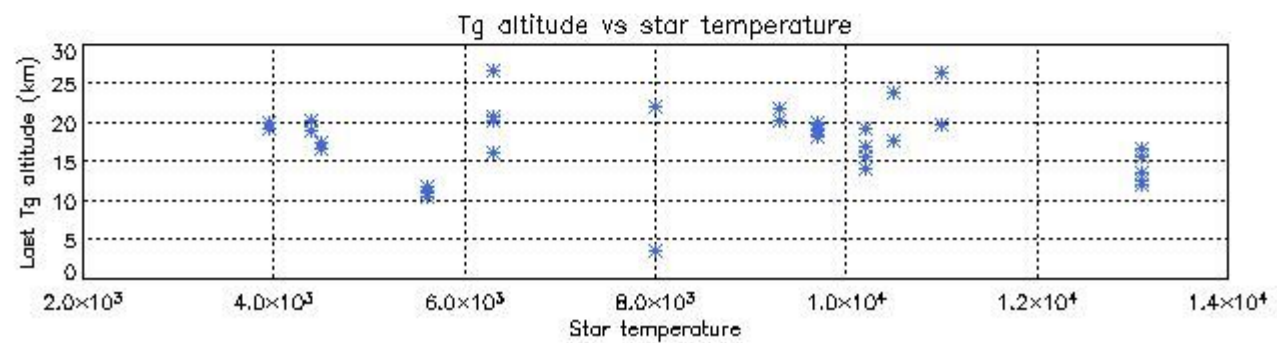
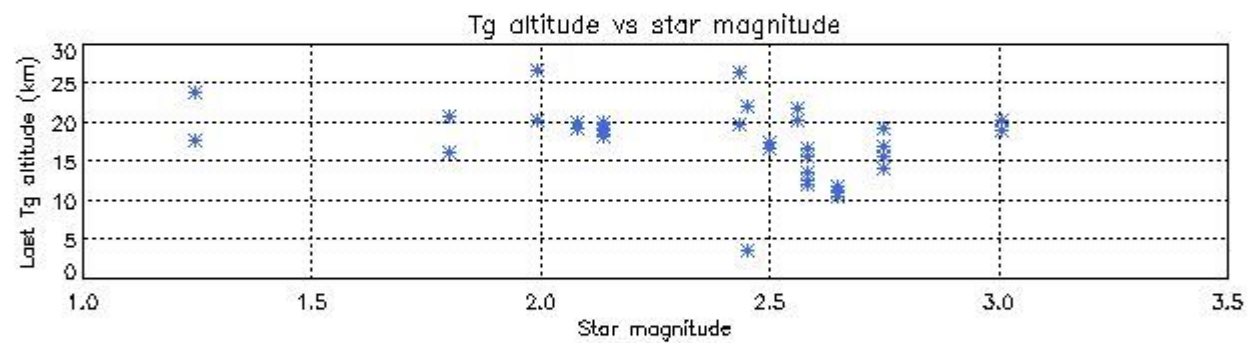
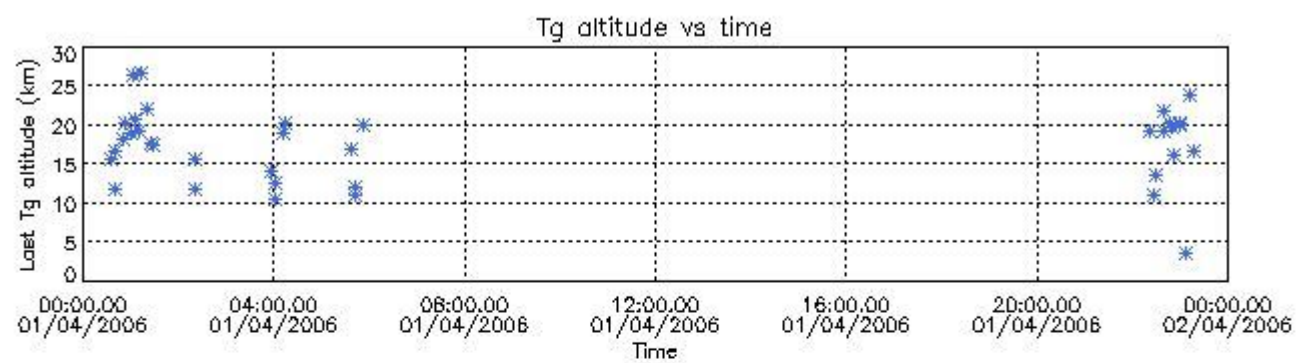
### 6.2 Plot for DARK limb products

Tangent altitude at which the star is lost



6.3 Plot for BRIGHT limb products

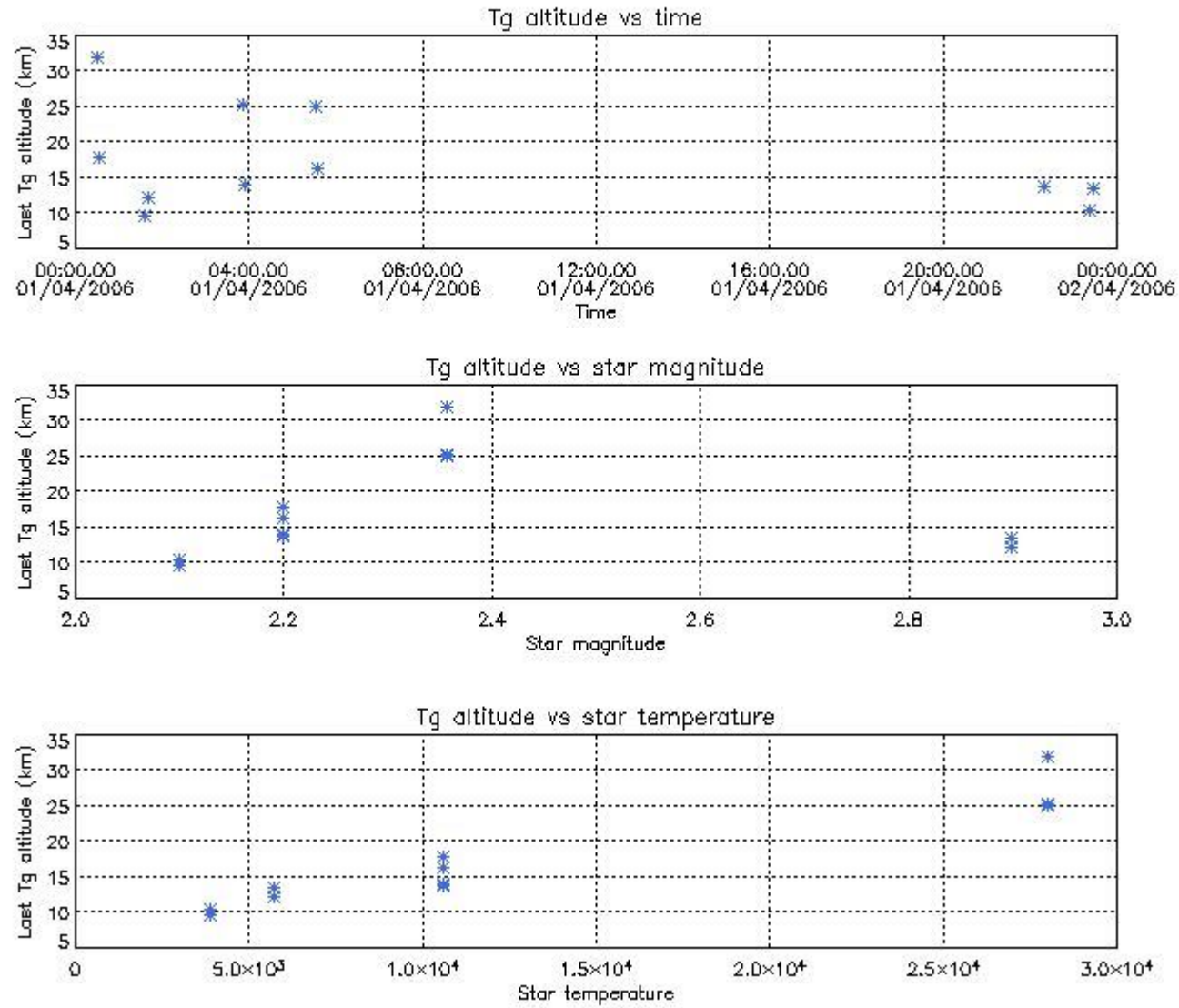
Tangent altitude at which the star is lost



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

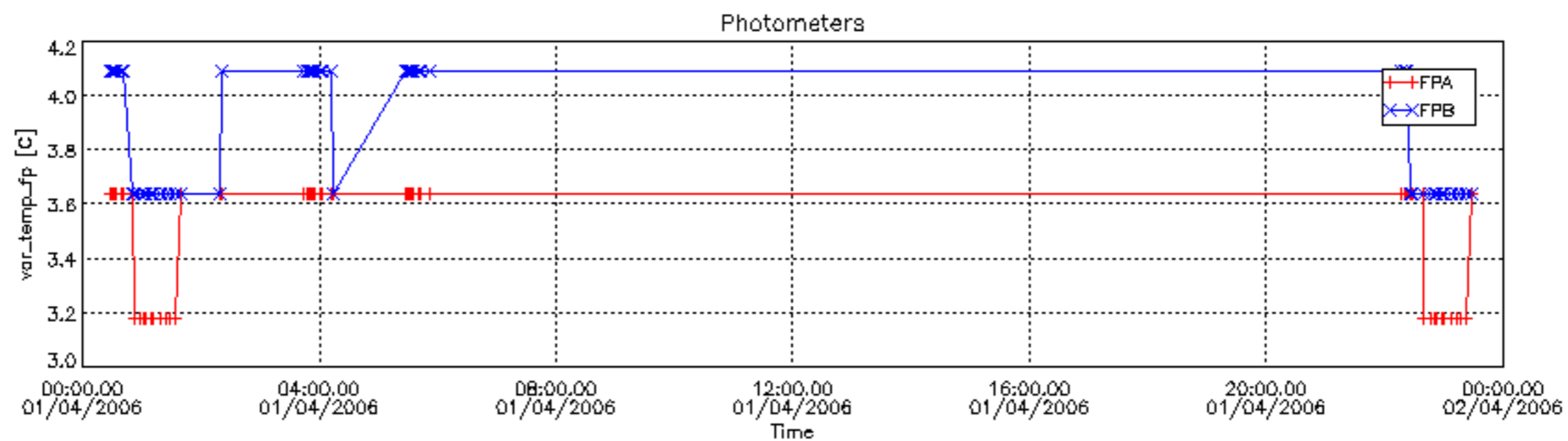
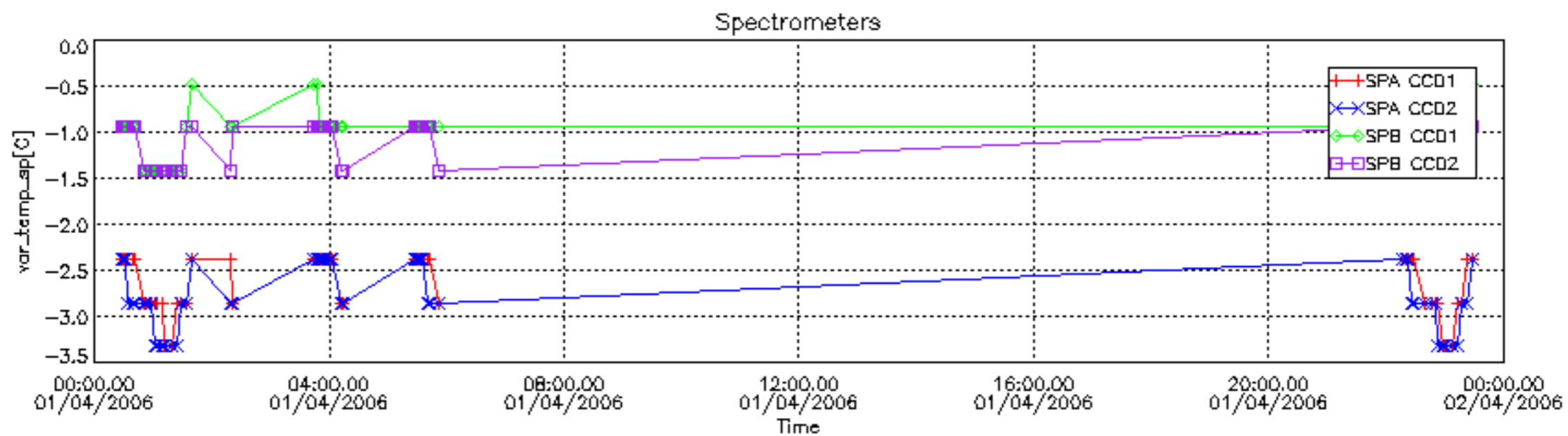
The Star Acquisition and Tracking Unit (it is the CCD that tracks the star while it is occulted) Noise Equivalent Angle consists of the statistical angular variation of the SATU data above the atmosphere. Statistics above 105 km are computed for every occultation, giving four values per occultation: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

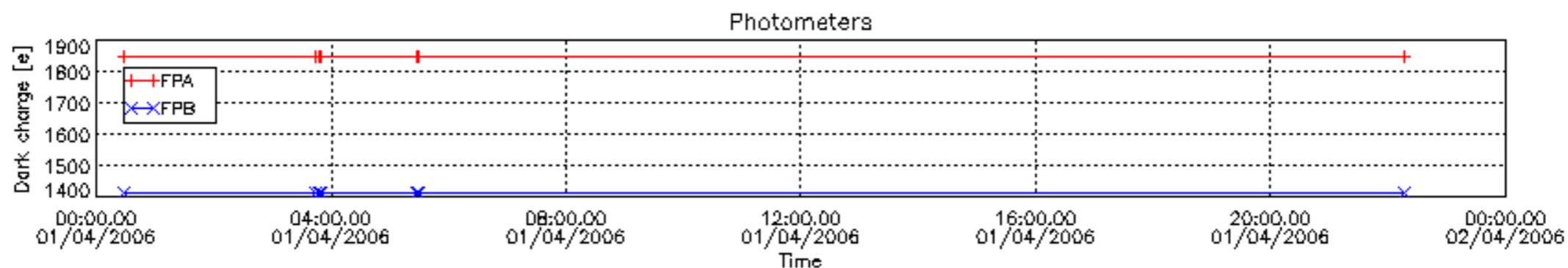
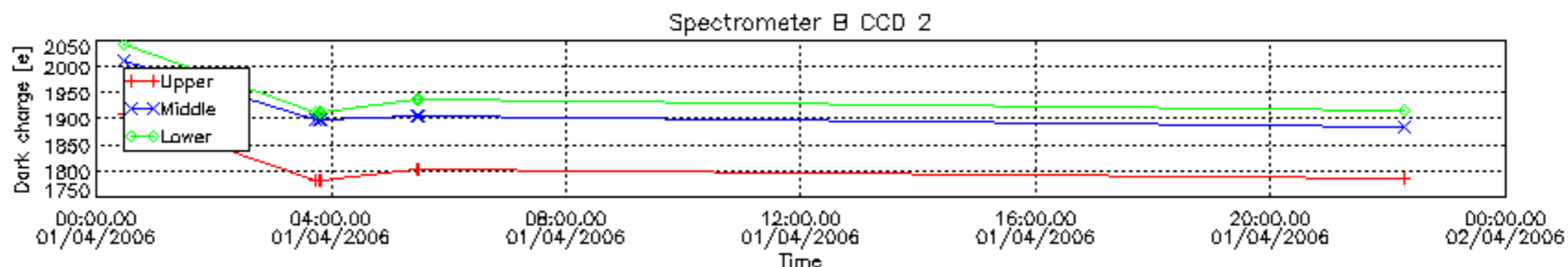
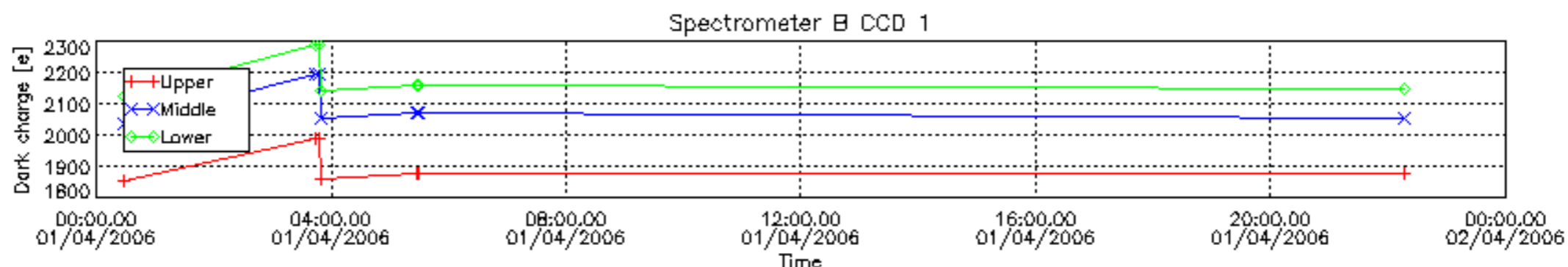
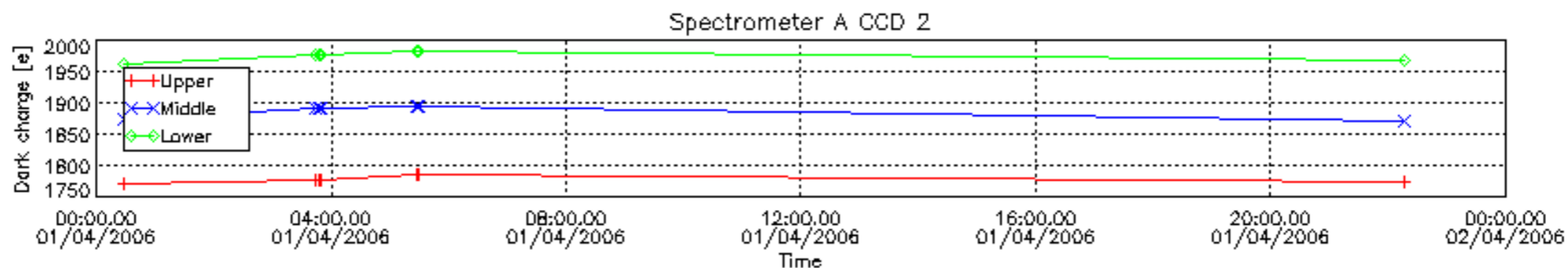
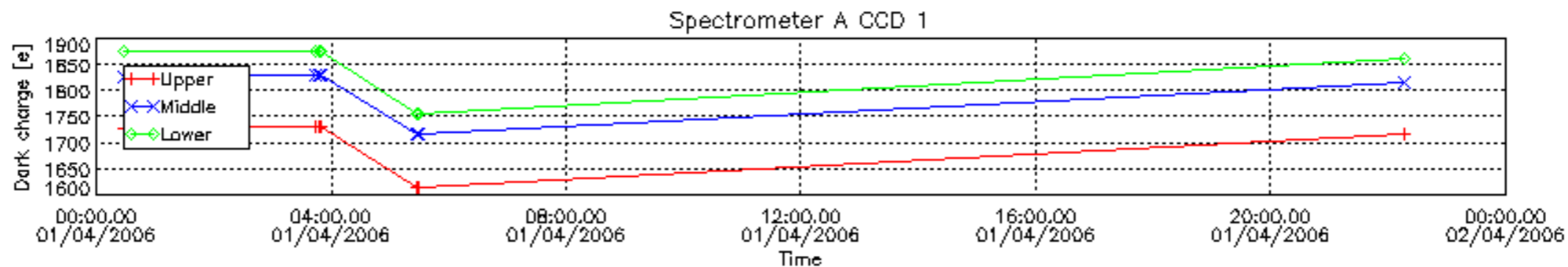
Statistics	SATU X (D)	SATU Y (D)	SATU X (B)	SATU Y (B)
Mean:	1462.1	1446.7	1461.8	1446.9
St. deviation:	6.1207	7.1274	7.1741	8.1012
Maximum:	1492.0	1474.0	1500.0	1488.0
Minimum:	1436.0	1421.0	1441.0	1426.0
Number of data:	6700.0	6700.0	31900.	31900.

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

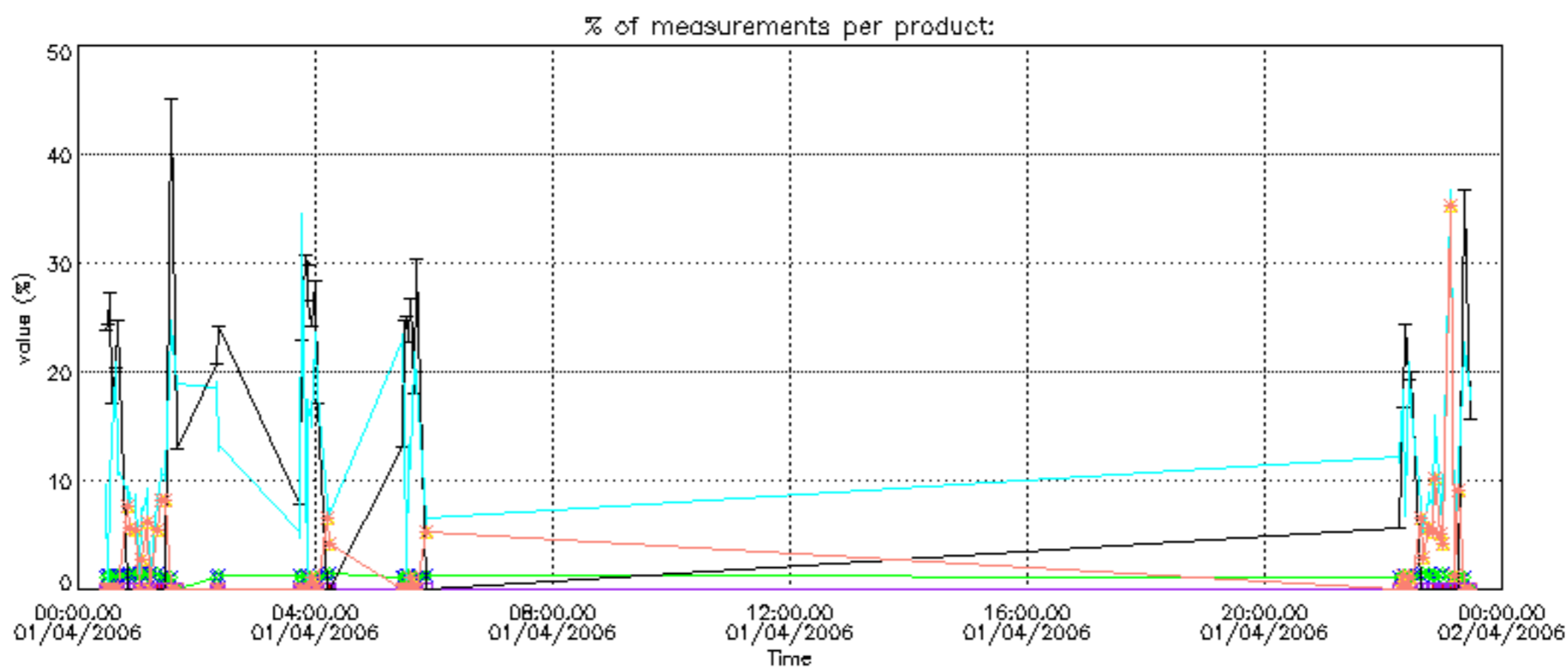
The number reported in the third column indicates since which file (see list in section 2.2) the corresponding auxiliary file has been used. The fourth column is the date of those product files.

Type	Auxiliary Filename	Used since product	Used since product date
INST_PHYS_CHARACTERISTICS	GOM_INS_AXVIEC20030716_105425_20030716_120000_20100101_000000	1	01-APR-2006 00:28:31
CALIBRATION_DATABASE	GOM_CAL_AXVIEC20060331_091607_20060329_000000_20100101_000000	1	01-APR-2006 00:28:31
LEVEL-1B_PROC_CONFIG	GOM_PR1_AXVIEC20040401_083133_20020324_200000_20100101_000000	1	01-APR-2006 00:28:31
STAR_CATALOGUE	GOM_CAT_AXVIEC20020121_161009_20020101_000000_20200101_000000	1	01-APR-2006 00:28:31
STELLAR_SPECTRA_DATABANK	GOM_STS_AXVIEC20020121_165822_20020101_000000_20200101_000000	1	01-APR-2006 00:28:31
ECMWF_FILE	AUX_ECA_AXNECM20060401_061447_20060331_210000_20060401_090000	1	01-APR-2006 00:28:31
ECMWF_FILE	AUX_ECA_AXNECM20060401_180443_20060401_030000_20060401_150000	21	01-APR-2006 03:44:20
ECMWF_FILE	AUX_ECA_AXNECM20060402_061453_20060401_210000_20060402_090000	39	01-APR-2006 22:16:26
OPTIONAL_ECMWF_FILE	NOT USED	1	01-APR-2006 00:28:31
ORBIT_DATA_FILE	AUX_FRO_AXVPDS20060403_223514_20060331_221000_20060403_005000	1	01-APR-2006 00:28:31

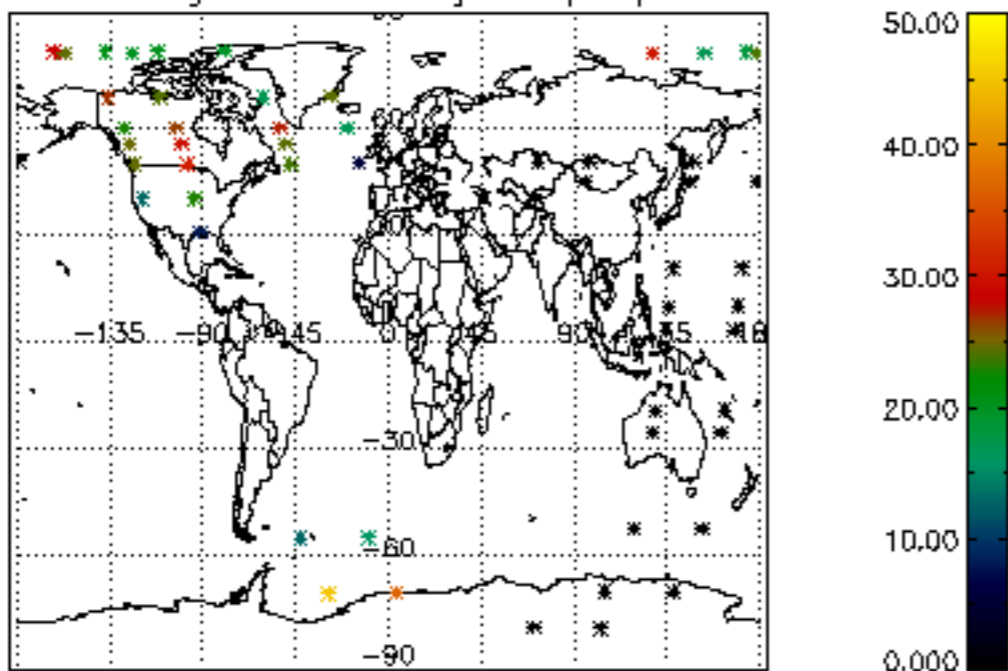




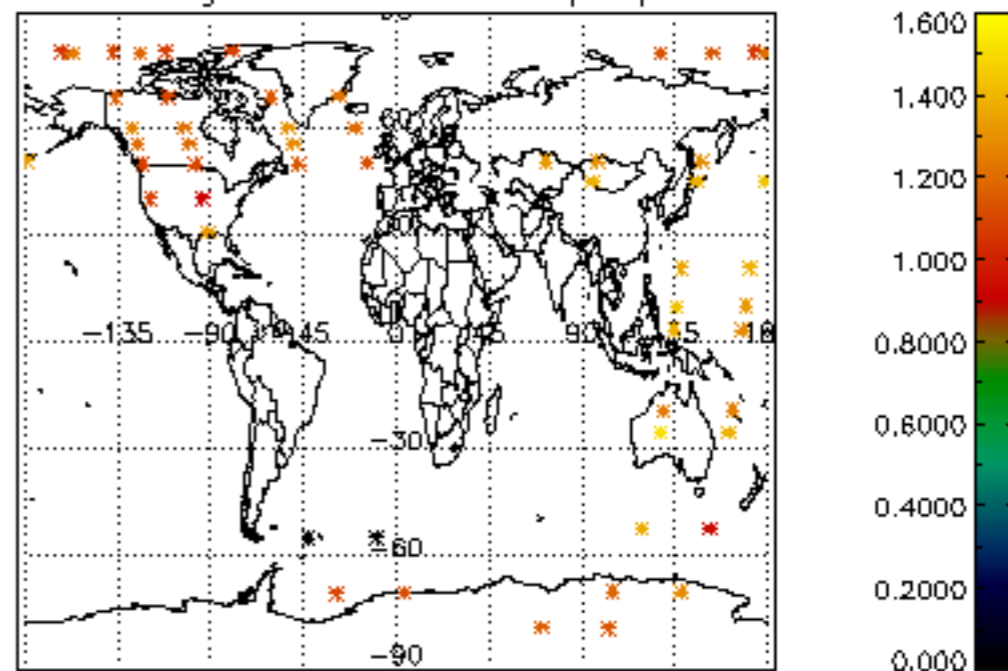




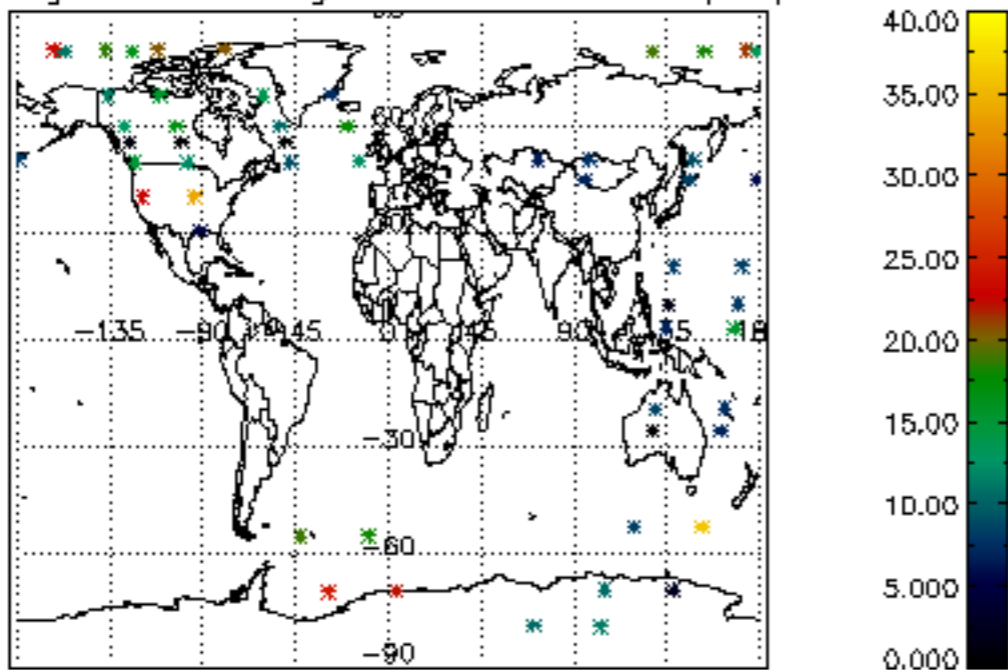
Percentage of cosmic ray hits per profile



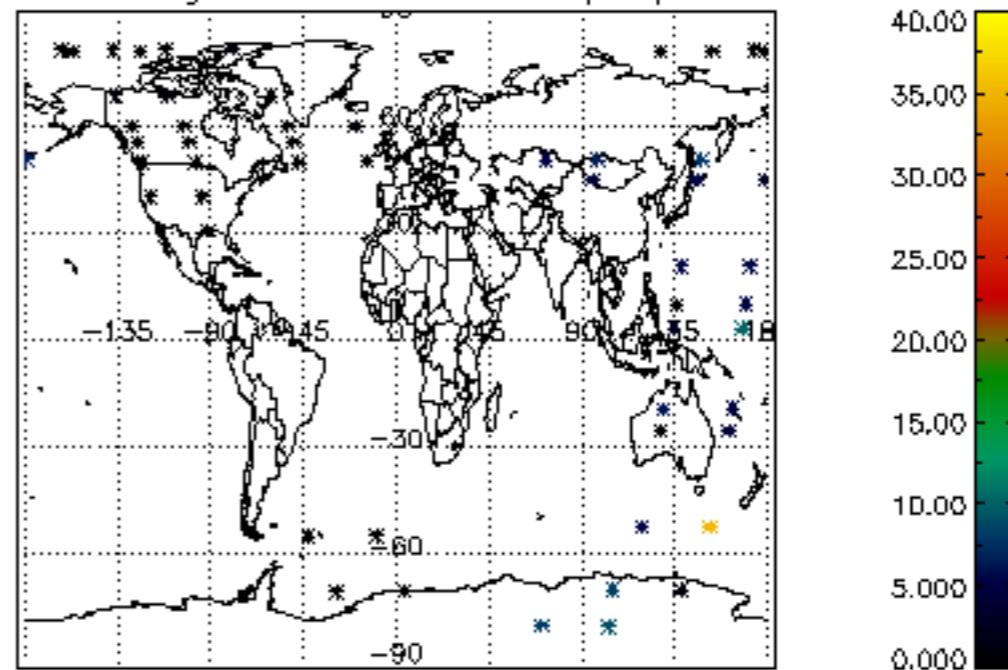
Percentage of datation errors per profile



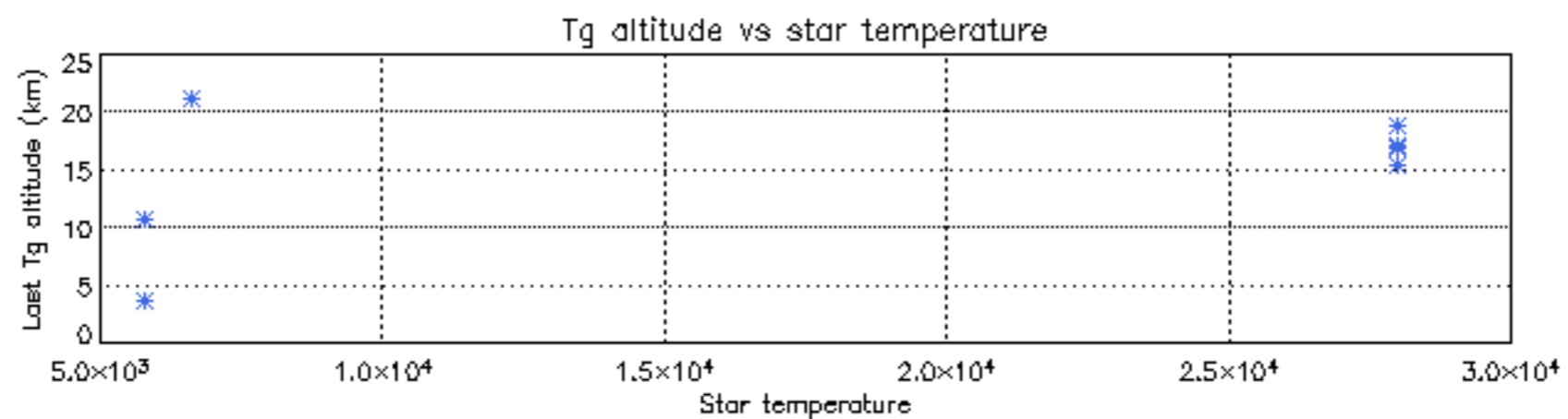
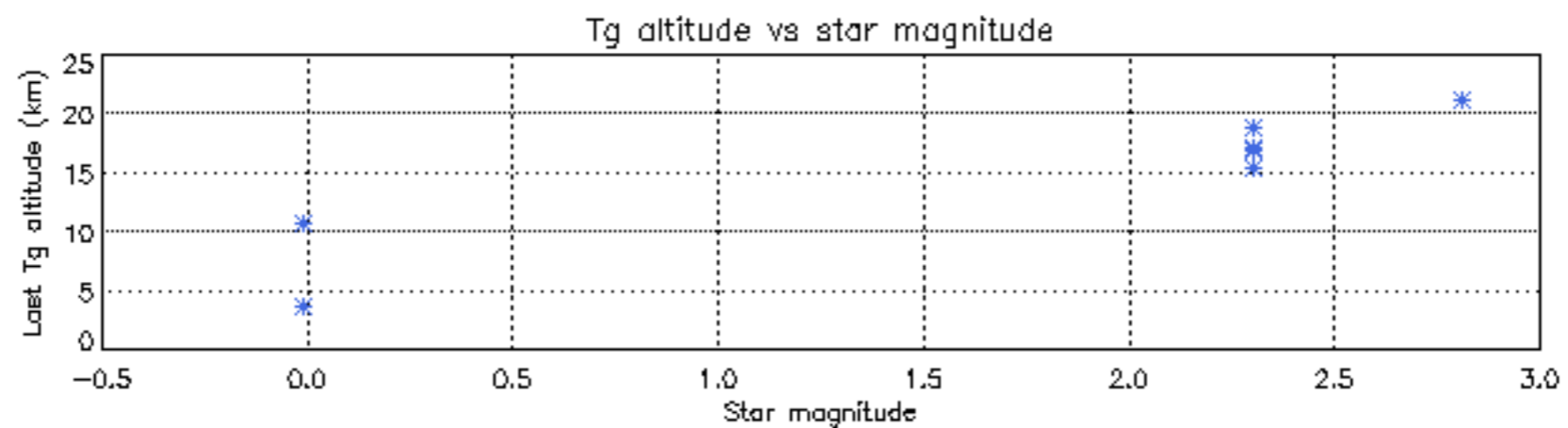
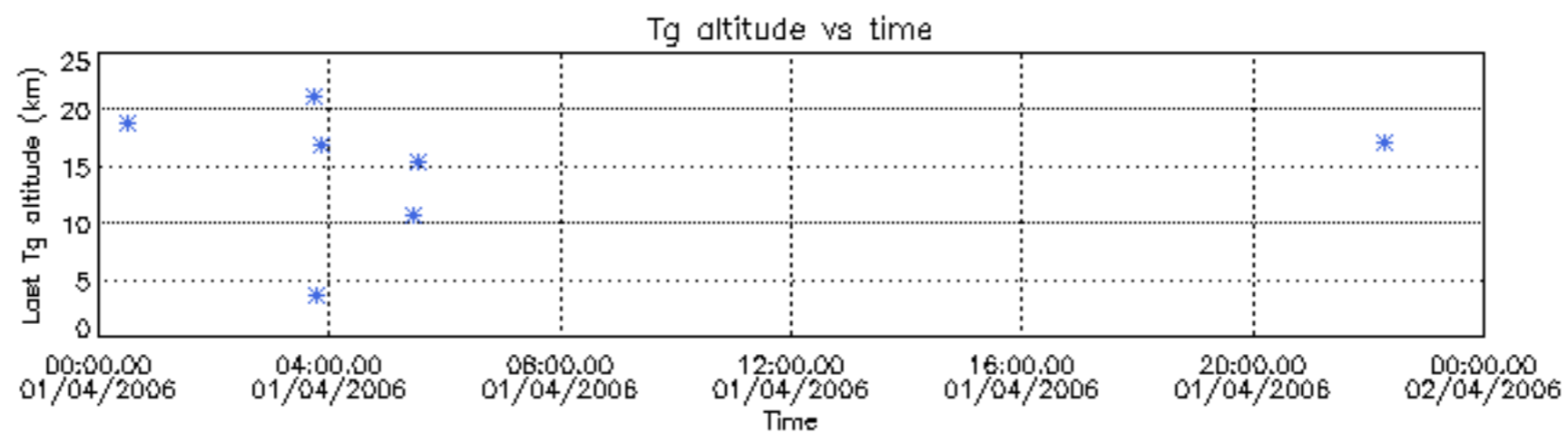
Percentage of star falling outside central band per profile



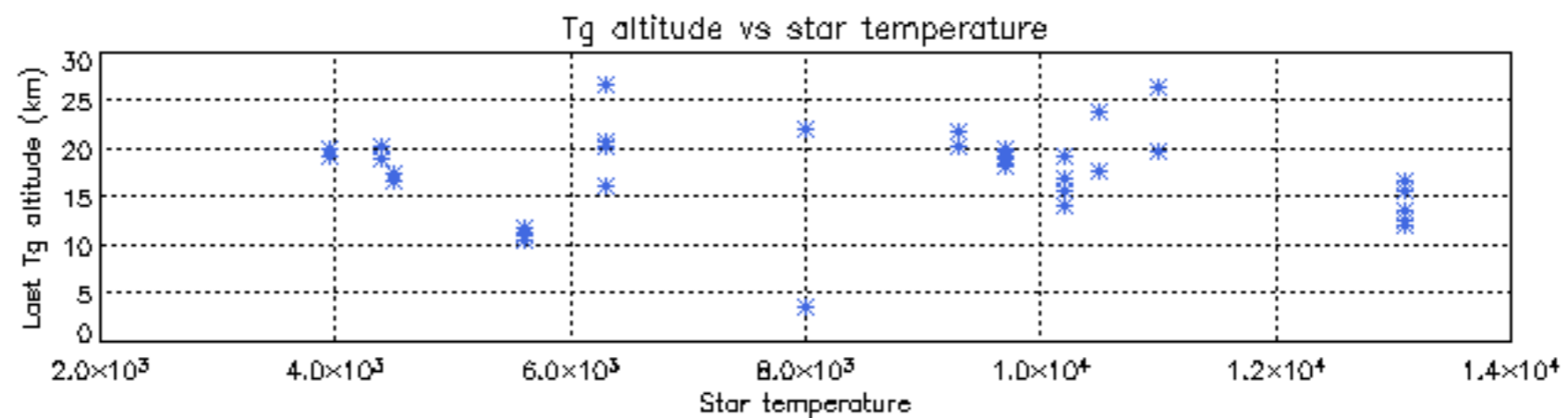
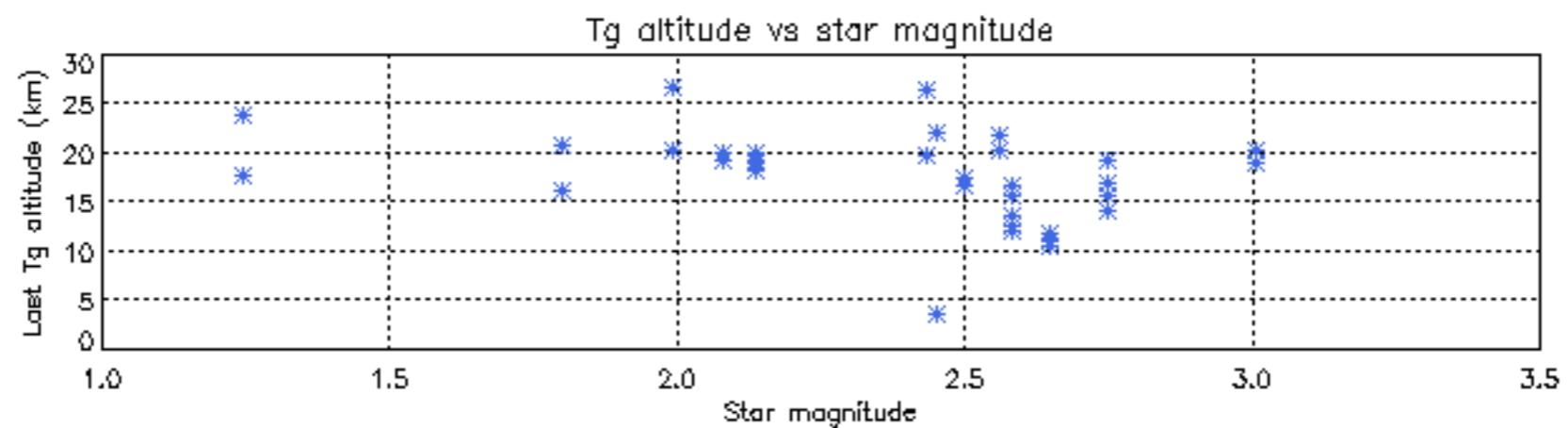
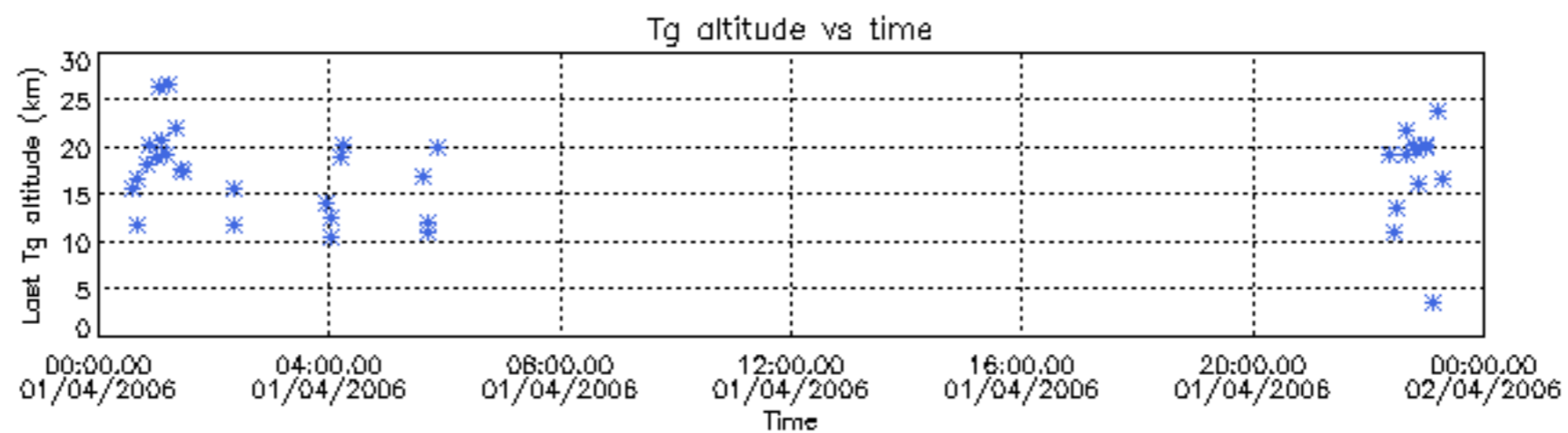
Percentage of saturation errors per profile



Tangent altitude at which the star is lost

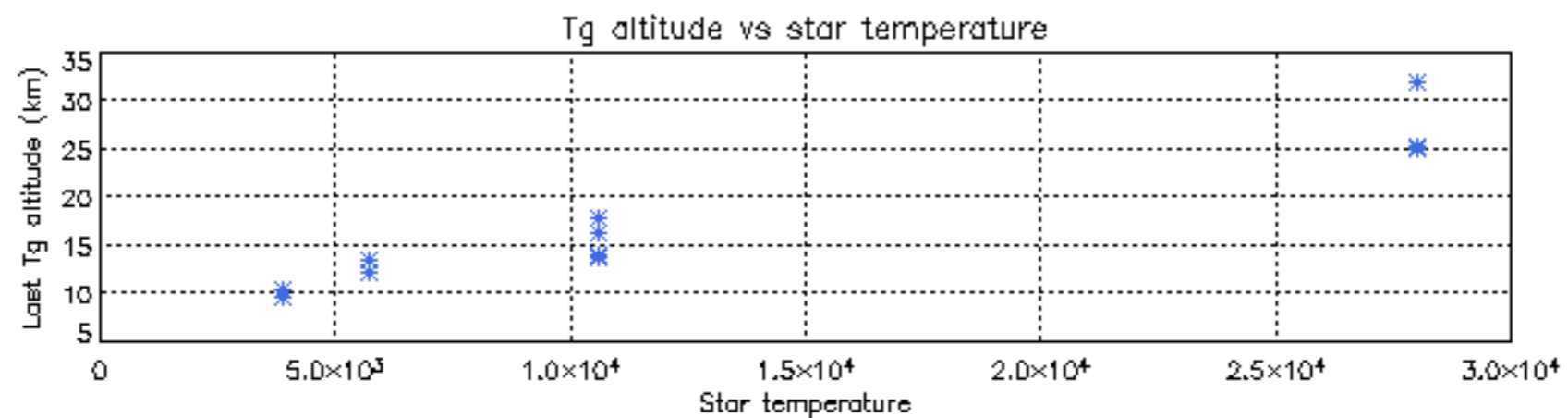
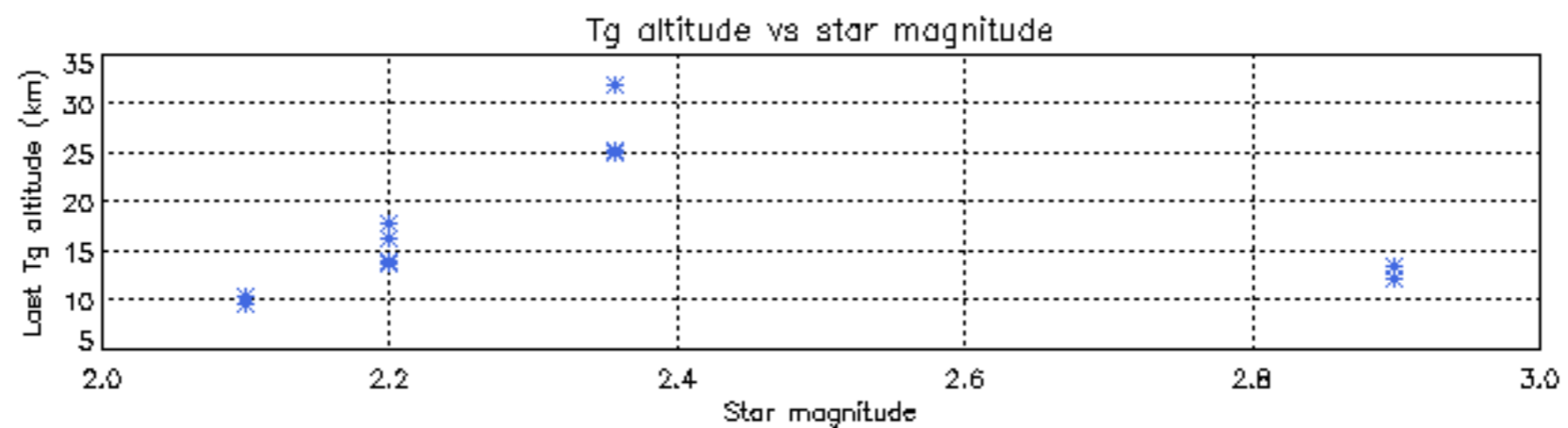
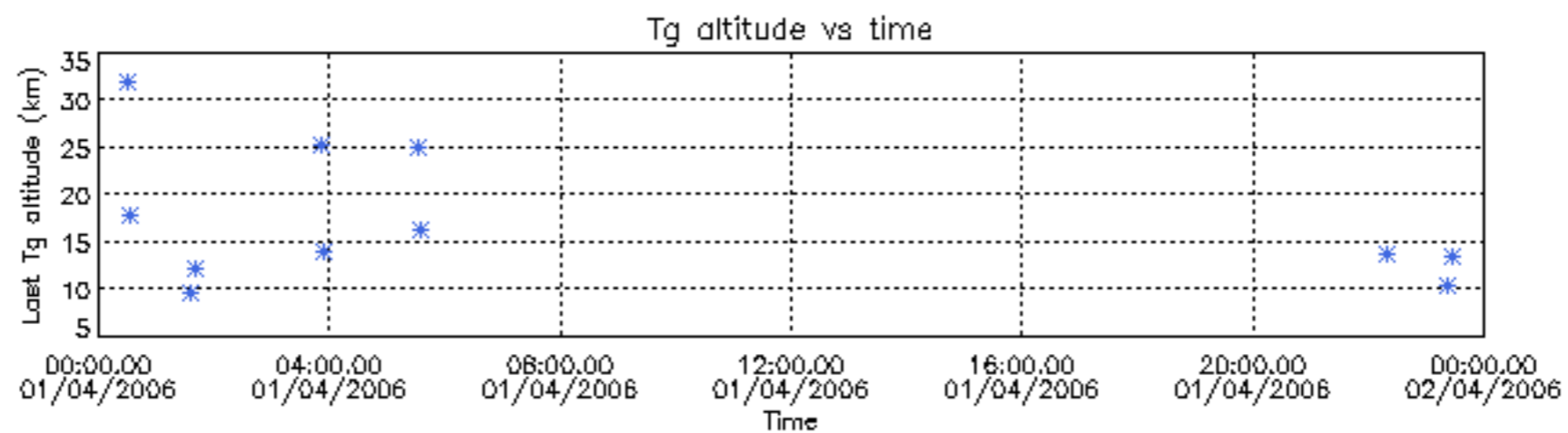


Tangent altitude at which the star is lost





Tangent altitude at which the star is lost



/nas3/ENVISAT/GOMOS/GOM\_NL\_\_0P/GOM\_NL\_\_0PNPDE20060401\_000916\_000054592046\_00259\_21355\_0159.N1

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 3; 514.9; 01-APR-2006 00:23:08; Dark ; 38.5; 134; Bet TrA ; 2.81; 6600;occ; 77; 0;21356  
 4; 673.5; 01-APR-2006 00:25:46; Dark ; 55.0; 4; Alp1Cen ;-0.01; 5800;occ; 110; 0;21356  
 5; 837.9; 01-APR-2006 00:28:31; Dark ; 44.0; 78; Alp Lup ; 2.30; 28000;occ; 88; 0;21356  
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 7; 1013.9; 01-APR-2006 00:31:27; Dark ; 38.5; 64; Gam Cen ; 2.20; 10600;occ; 77; 0;21356  
 8; 1167.7; 01-APR-2006 00:34:00; Dark ; 44.0; 123; Iot Cen ; 2.75; 10200;occ; 88; 0;21356  
 9; 1459.7; 01-APR-2006 00:38:52; Dark ; 46.5; 106; 9Bet Crv ; 2.65; 5600;occ; 93; 0;21356  
 10; 1577.8; 01-APR-2006 00:40:50; Dark ; 40.5; 100; 4Gam Crv ; 2.58; 13100;occ; 81; 0;21356  
 11; 2160.9; 01-APR-2006 00:50:34; Bright; 39.0; 62; 94Bet Leo ; 2.14; 9700;occ; 78; 0;21356  
 12; 2256.9; 01-APR-2006 00:52:10; Bright; 36.0; 96; 68Del Leo ; 2.56; 9300;occ; 72; 0;21356  
 13; 2666.3; 01-APR-2006 00:58:59; Bright; 37.0; 174; 52Psi UMa ; 3.00; 4400;occ; 74; 0;21356  
 14; 2848.6; 01-APR-2006 01:02:01; Bright; 35.0; 87; 64Gam UMa ; 2.43; 11000;occ; 70; 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  
 20; 4434.0; 01-APR-2006 01:28:27; Bright; 43.0; 92; 53Eps Cyg ; 2.50; 4500;occ; 86; 0;21356  
 21; 4826.3; 01-APR-2006 01:34:59; Dark ; 45.5; 61; 8Eps Peg ; 2.10; 3900;occ; 91; 0;21356  
 22; 5101.6; 01-APR-2006 01:39:34; Dark ; 42.5; 154; 22Bet Aqr ; 2.90; 5700;occ; 85; 0;21356

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 3; 6368.8; 01-APR-2006 02:00:41; Dark ; 44.0; 141; Bet Ara ; 2.84; 4600;occ; 88; 0;21356  
 4; 6551.4; 01-APR-2006 02:03:44; Dark ; 37.5; 134; Bet TrA ; 2.81; 6600;occ; 75; 0;21356  
 5; 6709.9; 01-APR-2006 02:06:23; Dark ; 44.5; 4; Alp1Cen ;-0.01; 5800;occ; 89; 0;21356  
 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  
 9; 7204.0; 01-APR-2006 02:14:37; Dark ; 45.0; 123; Iot Cen ; 2.75; 10200;occ; 90; 0;21356  
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 12; 8196.8; 01-APR-2006 02:31:09; Bright; 38.0; 62; 94Bet Leo ; 2.14; 9700;occ; 76; 0;21356  
 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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 8; 516.0; 01-APR-2006 03:44:20; Dark ; 38.0; 134; Bet TrA ; 2.81; 6600;occ; 76; 0;21358  
 9; 674.6; 01-APR-2006 03:46:59; Dark ; 54.5; 4; Alp1Cen ;-0.01; 5800;occ; 109; 0;21358  
 10; 839.3; 01-APR-2006 03:49:44; Dark ; 45.5; 78; Alp Lup ; 2.30; 28000;occ; 91; 0;21358  
 11; 935.4; 01-APR-2006 03:51:20; Dark ; 42.0; 81; Eta Cen ; 2.36; 28000;occ; 84; 0;21358  
 12; 1014.8; 01-APR-2006 03:52:39; Dark ; 41.5; 64; Gam Cen ; 2.20; 10600;occ; 83; 0;21358  
 13; 1168.5; 01-APR-2006 03:55:13; Dark ; 45.5; 123; Iot Cen ; 2.75; 10200;occ; 91; 0;21358  
 14; 1460.2; 01-APR-2006 04:00:05; Dark ; 47.5; 106; 9Bet Crv ; 2.65; 5600;occ; 95; 0;21358  
 15; 1578.2; 01-APR-2006 04:02:03; Dark ; 44.0; 100; 4Gam Crv ; 2.58; 13100;occ; 88; 0;21358  
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 17; 2257.1; 01-APR-2006 04:13:22; Bright; 36.0; 96; 68Del Leo ; 2.56; 9300;occ; 72; 0;21358  
 18; 2666.4; 01-APR-2006 04:20:11; Bright; 34.5; 174; 52Psi UMa ; 3.00; 4400;occ; 69; 0;21358  
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 20; 2958.0; 01-APR-2006 04:25:02; Bright; 36.5; 36; 50Alp UMa ; 1.80; 6300;occ; 73; 0;21358  
 21; 3337.9; 01-APR-2006 04:31:22; Bright; 40.0; 60; 7Bet UMi ; 2.08; 3950;occ; 80; 0;21358  
 22; 3439.9; 01-APR-2006 04:33:04; Bright; 35.0; 49; 1Alp UMi ; 1.99; 6300;occ; 70; 0;21358

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5; -933.6; 01-APR-2006 05:00:47; Dark ; 41.5; 154; 22Bet Aqr ; 2.90; 5700;occ; 83; 0;21358
6; -313.9; 01-APR-2006 05:11:07; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;21358
7; 334.3; 01-APR-2006 05:21:55; Dark ; 41.5; 141; Bet Ara ; 2.84; 4600;occ; 83; 0;21359
8; 516.5; 01-APR-2006 05:24:57; Dark ; 39.5; 134; Bet TrA ; 2.81; 6600;occ; 79; 0;21359
9; 675.1; 01-APR-2006 05:27:36; Dark ; 46.0; 4; Alp1Cen ;-0.01; 5800;occ; 92; 0;21359
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12; 1015.0; 01-APR-2006 05:33:16; Dark ; 39.5; 64; Gam Cen ; 2.20; 10600;occ; 79; 0;21359
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15; 1578.3; 01-APR-2006 05:42:39; Dark ; 44.5; 100; 4Gam Crv ; 2.58; 13100;occ; 89; 0;21359
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18; 2666.3; 01-APR-2006 06:00:47; Bright; 37.5; 174; 52Psi UMa ; 3.00; 4400;occ; 75; 0;21359
19; 2848.1; 01-APR-2006 06:03:49; Bright; 37.5; 87; 64Gam UMa ; 2.43; 11000;occ; 75; 0;21359
20; 2958.0; 01-APR-2006 06:05:38; Bright; 36.5; 36; 50Alp UMa ; 1.80; 6300;occ; 73; 0;21359
21; 3337.6; 01-APR-2006 06:11:58; Bright; 40.0; 60; 7Bet UMi ; 2.08; 3950;occ; 80; 0;21359
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2;-1822.3; 01-APR-2006 06:26:34; Bright; 39.5; 19; 50Alp Cyg ; 1.25; 10500;occ; 79; 0;21359
3;-1601.5; 01-APR-2006 06:30:15; Bright; 43.0; 92; 53Eps Cyg ; 2.50; 4500;occ; 86; 0;21359
4;-1208.8; 01-APR-2006 06:36:48; Dark ; 54.0; 61; 8Eps Peg ; 2.10; 3900;occ; 108; 0;21359
5; -933.3; 01-APR-2006 06:41:23; Dark ; 43.0; 154; 22Bet Aqr ; 2.90; 5700;occ; 86; 0;21359
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7; 335.0; 01-APR-2006 07:02:32; Dark ; 41.5; 141; Bet Ara ; 2.84; 4600;occ; 83; 0;21360
8; 517.1; 01-APR-2006 07:05:34; Dark ; 38.0; 134; Bet TrA ; 2.81; 6600;occ; 76; 0;21360
9; 675.5; 01-APR-2006 07:08:12; Dark ; 47.0; 4; Alp1Cen ;-0.01; 5800;occ; 94; 0;21360
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13; 1169.4; 01-APR-2006 07:16:26; Dark ; 44.0; 123; Iot Cen ; 2.75; 10200;occ; 88; 0;21360
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9;-1822.3; 01-APR-2006 08:07:10; Bright; 38.0; 19; 50Alp Cyg ; 1.25; 10500;occ; 76; 0;21360
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3; 1462.7; 01-APR-2006 20:46:06; Dark ; 44.5; 106; 9Bet Crv ; 2.65; 5600;occ; 89; 0;21368
4; 1580.0; 01-APR-2006 20:48:04; Dark ; 42.5; 100; 4Gam Crv ; 2.58; 13100;occ; 85; 0;21368
5; 2160.3; 01-APR-2006 20:57:44; Bright; 38.0; 62; 94Bet Leo ; 2.14; 9700;occ; 76; 0;21368
6; 2257.5; 01-APR-2006 20:59:21; Bright; 35.5; 96; 68Del Leo ; 2.56; 9300;occ; 71; 0;21368
7; 2666.2; 01-APR-2006 21:06:10; Bright; 37.0; 174; 52Psi UMa ; 3.00; 4400;occ; 74; 0;21368
8; 2846.6; 01-APR-2006 21:09:10; Bright; 35.5; 87; 64Gam UMa ; 2.43; 11000;occ; 71; 0;21368

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11; 3440.5; 01-APR-2006 21:19:04; Bright; 35.5; 49; 1Alp UMi ; 1.99; 6300;occ; 71; 0;21368
12; 3901.9; 01-APR-2006 21:26:46; Bright; 34.0; 89; 5Alp Cep ; 2.45; 8000;occ; 68; 0;21368
13; 4213.8; 01-APR-2006 21:31:57; Bright; 40.5; 19; 50Alp Cyg ; 1.25; 10500;occ; 81; 0;21368
14; 4435.8; 01-APR-2006 21:35:39; Bright; 41.0; 92; 53Eps Cyg ; 2.50; 4500;occ; 82; 0;21368
15; 4830.2; 01-APR-2006 21:42:14; Dark ; 44.5; 61; 8Eps Peg ; 2.10; 3900;occ; 89; 0;21368
16; 5106.5; 01-APR-2006 21:46:50; Dark ; 44.5; 154; 22Bet Aqr ; 2.90; 5700;occ; 89; 0;21368
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4; 1580.0; 01-APR-2006 20:48:04; Dark ; 42.5; 100; 4Gam Crv ; 2.58; 13100;occ; 85; 0;21368
5; 2160.3; 01-APR-2006 20:57:44; Bright; 38.0; 62; 94Bet Leo ; 2.14; 9700;occ; 76; 0;21368
6; 2257.5; 01-APR-2006 20:59:21; Bright; 35.5; 96; 68Del Leo ; 2.56; 9300;occ; 71; 0;21368
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13; 4213.8; 01-APR-2006 21:31:57; Bright; 40.5; 19; 50Alp Cyg ; 1.25; 10500;occ; 81; 0;21368
14; 4435.8; 01-APR-2006 21:35:39; Bright; 41.0; 92; 53Eps Cyg ; 2.50; 4500;occ; 82; 0;21368
15; 4830.2; 01-APR-2006 21:42:14; Dark ; 44.5; 61; 8Eps Peg ; 2.10; 3900;occ; 89; 0;21368
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3; 521.6; 01-APR-2006 22:11:02; Dark ; 39.0; 134; Bet TrA ; 2.81; 6600;occ; 78; 0;21369
4; 679.6; 01-APR-2006 22:13:40; Dark ; 39.5; 4; Alp1Cen ;-0.01; 5800;occ; 79; 0;21369
5; 846.1; 01-APR-2006 22:16:26; Dark ; 45.0; 78; Alp Lup ; 2.30; 28000;occ; 90; 0;21369
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8; 1462.4; 01-APR-2006 22:26:42; Dark ; 46.5; 106; 9Bet Crv ; 2.65; 5600;occ; 93; 0;21369
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11; 2257.0; 02-APR-2006 00:20:33; Bright; 36.0; 96; 68Del Leo ; 2.56; 9300;occ; 72; 0;21370
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14; 2957.2; 02-APR-2006 00:32:13; Bright; 36.5; 36; 50Alp UMA ; 1.80; 6300;occ; 73; 0;21370
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16; 3439.9; 02-APR-2006 00:40:16; Bright; 32.0; 49; 1Alp UMi ; 1.99; 6300;occ; 64; 0;21370
17; 3901.3; 02-APR-2006 00:47:57; Bright; 54.0; 89; 5Alp Cep ; 2.45; 8000;occ; 108; 0;21370
18; 4213.2; 02-APR-2006 00:53:09; Bright; 40.5; 19; 50Alp Cyg ; 1.25; 10500;occ; 81; 0;21370
19; 4435.5; 02-APR-2006 00:56:51; Bright; 44.0; 92; 53Eps Cyg ; 2.50; 4500;occ; 88; 0;21370
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11;-1822.4; 01-APR-2006 14:49:34; Bright; 41.0; 19; 50Alp Cyg ; 1.25; 10500;occ; 82; 0;21364
12;-1600.9; 01-APR-2006 14:53:15; Bright; 44.0; 92; 53Eps Cyg ; 2.50; 4500;occ; 88; 0;21364
13;-1207.3; 01-APR-2006 14:59:49; Dark ; 44.0; 61; 8Eps Peg ; 2.10; 3900;occ; 88; 0;21364
14;-931.3; 01-APR-2006 15:04:25; Dark ; 43.0; 154; 22Bet Aqr ; 2.90; 5700;occ; 86; 0;21364
15;-309.0; 01-APR-2006 15:14:47; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;21364
16; 338.7; 01-APR-2006 15:25:35; Dark ; 40.5; 141; Bet Ara ; 2.84; 4600;occ; 81; 0;21365
17; 519.7; 01-APR-2006 15:28:36; Dark ; 37.0; 134; Bet TrA ; 2.81; 6600;occ; 74; 0;21365
18; 677.9; 01-APR-2006 15:31:14; Dark ; 42.5; 4; Alp1Cen ;-0.01; 5800;occ; 85; 0;21365
19; 843.7; 01-APR-2006 15:34:00; Dark ; 42.5; 78; Alp Lup ; 2.30; 28000;occ; 85; 0;21365
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 18; 520.7; 01-APR-2006 17:09:12; Dark ; 40.5; 134; Bet TrA ; 2.81; 6600;occ; 81; 0;21366  
 19; 678.8; 01-APR-2006 17:11:50; Dark ; 45.5; 4; Alp1Cen ; -0.01; 5800;occ; 91; 0;21366  
 20; 844.8; 01-APR-2006 17:14:36; Dark ; 45.0; 78; Alp Lup ; 2.30; 28000;occ; 90; 0;21366  
 21; 1017.7; 01-APR-2006 17:17:29; Dark ; 41.5; 64; Gam Cen ; 2.20; 10600;occ; 83; 0;21366

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1;-5001.4; 01-APR-2006 17:17:47; Dark ; 42.0; 64; Gam Cen ; 2.20; 10600;occ; 84; 35;21366  
 2;-4864.3; 01-APR-2006 17:20:04; Dark ; 44.0; 123; Iot Cen ; 2.75; 10200;occ; 88; 0;21366  
 3;-4574.2; 01-APR-2006 17:24:54; Dark ; 45.0; 106; 9Bet Crv ; 2.65; 5600;occ; 90; 0;21366  
 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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1;-5018.5; 01-APR-2006 18:58:06; Dark ; 39.5; 64; Gam Cen ; 2.20; 10600;occ; 79; 0;21367  
 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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1; -304.0; 02-APR-2006 01:18:28; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;21370  
 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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1;-2134.8; 02-APR-2006 02:28:33; Bright; 36.5; 89; 5Alp Cep ; 2.45; 8000;occ; 73; 0;21371  
 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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1;-2134.9; 02-APR-2006 04:09:09; Bright; 37.0; 89; 5Alp Cep ; 2.45; 8000;occ; 74; 0;21372  
 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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1; 3901.1; 02-APR-2006 05:49:45; Bright; 54.0; 89; 5Alp Cep ; 2.45; 8000;occ; 108; 0;21373  
 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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1; -293.9; 02-APR-2006 21:25:50; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;21382  
2; 351.9; 02-APR-2006 21:36:35; Dark ; 44.0; 141; Bet Ara ; 2.84; 4600;occ; 88; 0;21383  
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  
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2;-4566.1; 04-APR-2006 15:50:12; Dark ; 44.0; 106; 9Bet Crv ; 2.65; 5600;occ; 88; 0;21408  
3;-4450.9; 04-APR-2006 15:52:07; Dark ; 41.0; 100; 4Gam Crv ; 2.58; 13100;occ; 82; 0;21408  
4;-4157.8; 04-APR-2006 15:57:00; Bright; 43.0; 121; 29Gam Vir ; 2.74; 7200;occ; 86; 0;21408  
5;-3879.4; 04-APR-2006 16:01:39; Bright; 37.0; 62; 94Bet Leo ; 2.14; 9700;occ; 74; 0;21408  
6;-3778.3; 04-APR-2006 16:03:20; Bright; 36.0; 96; 68Del Leo ; 2.56; 9300;occ; 72; 0;21408  
7;-3372.1; 04-APR-2006 16:10:06; Bright; 37.0; 174; 52Psi UMa ; 3.00; 4400;occ; 74; 0;21408  
8;-3198.3; 04-APR-2006 16:13:00; Bright; 37.0; 87; 64Gam UMa ; 2.43; 11000;occ; 74; 0;21408  
9;-3080.4; 04-APR-2006 16:14:58; Bright; 36.5; 36; 50Alp UMa ; 1.80; 6300;occ; 73; 0;21408  
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11;-2595.5; 04-APR-2006 16:23:03; Bright; 36.0; 49; 1Alp UMi ; 1.99; 6300;occ; 72; 0;21408  
12;-2137.6; 04-APR-2006 16:30:41; Bright; 36.0; 89; 5Alp Cep ; 2.45; 8000;occ; 72; 0;21408  
13;-1824.6; 04-APR-2006 16:35:54; Bright; 39.0; 19; 50Alp Cyg ; 1.25; 10500;occ; 78; 0;21408  
14;-1194.6; 04-APR-2006 16:46:24; Dark ; 46.5; 61; 8Eps Peg ; 2.10; 3900;occ; 93; 0;21408  
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18; -271.1; 04-APR-2006 17:01:47; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;21408  
19; 371.1; 04-APR-2006 17:12:29; Dark ; 43.5; 141; Bet Ara ; 2.84; 4600;occ; 87; 0;21409  
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21; 697.7; 04-APR-2006 17:17:56; Dark ; 53.0; 4; Alp1Cen ;-0.01; 5800;occ; 106; 0;21409  
22; 870.0; 04-APR-2006 17:20:48; Dark ; 44.0; 78; Alp Lup ; 2.30; 28000;occ; 88; 0;21409  
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 16; -913.7; 04-APR-2006 18:31:41; Dark ; 42.5; 154; 22Bet Aqr ; 2.90; 5700;occ; 85; 0;21409  
 17; -761.7; 04-APR-2006 18:34:13; Dark ; 42.0; 142; 49Del Cap ; 2.85; 8900;occ; 84; 0;21409  
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 19; 371.9; 04-APR-2006 18:53:06; Dark ; 43.0; 141; Bet Ara ; 2.84; 4600;occ; 86; 0;21410  
 20; 542.5; 04-APR-2006 18:55:57; Dark ; 38.5; 134; Bet TrA ; 2.81; 6600;occ; 77; 0;21410  
 21; 698.1; 04-APR-2006 18:58:32; Dark ; 45.0; 4; Alp1Cen ; -0.01; 5800;occ; 90; 0;21410  
 22; 870.6; 04-APR-2006 19:01:25; Dark ; 43.5; 78; Alp Lup ; 2.30; 28000;occ; 87; 0;21410  
 23; 967.1; 04-APR-2006 19:03:01; Dark ; 46.5; 81; Eta Cen ; 2.36; 28000;occ; 93; 0;21410

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 4; -4450.7; 04-APR-2006 19:13:19; Dark ; 39.0; 100; 4Gam Crv ; 2.58; 13100;occ; 78; 0;21410  
 5; -4157.9; 04-APR-2006 19:18:12; Bright; 42.0; 121; 29Gam Vir ; 2.74; 7200;occ; 84; 0;21410  
 6; -3879.4; 04-APR-2006 19:22:51; Bright; 37.0; 62; 94Bet Leo ; 2.14; 9700;occ; 74; 0;21410  
 7; -3778.1; 04-APR-2006 19:24:32; Bright; 35.5; 96; 68Del Leo ; 2.56; 9300;occ; 71; 0;21410  
 8; -3372.1; 04-APR-2006 19:31:18; Bright; 37.0; 174; 52Psi UMa ; 3.00; 4400;occ; 74; 0;21410  
 9; -3198.7; 04-APR-2006 19:34:11; Bright; 37.5; 87; 64Gam UMa ; 2.43; 11000;occ; 75; 0;21410  
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 16; -1044.7; 04-APR-2006 20:10:05; Dark ; 42.5; 162; 34Alp Aqr ; 2.94; 5350;occ; 85; 0;21410  
 17; -913.2; 04-APR-2006 20:12:17; Dark ; 39.5; 154; 22Bet Aqr ; 2.90; 5700;occ; 79; 0;21410  
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 22; 698.5; 04-APR-2006 20:39:09; Dark ; 46.5; 4; Alp1Cen ; -0.01; 5800;occ; 93; 0;21411  
 23; 871.2; 04-APR-2006 20:42:01; Dark ; 44.0; 78; Alp Lup ; 2.30; 28000;occ; 88; 0;21411  
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 3; 6410.7; 05-APR-2006 01:35:33; Dark ; 43.5; 141; Bet Ara ; 2.84; 4600;occ; 87; 0;21413  
 4; 6580.3; 05-APR-2006 01:38:22; Dark ; 38.0; 134; Bet TrA ; 2.81; 6600;occ; 76; 0;21413  
 5; 6735.7; 05-APR-2006 01:40:58; Dark ; 44.5; 4; Alp1Cen ; -0.01; 5800;occ; 89; 0;21413  
 6; 6908.8; 05-APR-2006 01:43:51; Dark ; 43.5; 78; Alp Lup ; 2.30; 28000;occ; 87; 0;21413  
 7; 7005.3; 05-APR-2006 01:45:27; Dark ; 49.5; 81; Eta Cen ; 2.36; 28000;occ; 99; 0;21413  
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 9; 7506.7; 05-APR-2006 01:53:49; Dark ; 43.5; 106; 9Bet Crv ; 2.65; 5600;occ; 87; 0;21413  
 10; 7621.8; 05-APR-2006 01:55:44; Dark ; 43.0; 100; 4Gam Crv ; 2.58; 13100;occ; 86; 0;21413  
 11; 7913.7; 05-APR-2006 02:00:36; Bright; 40.0; 121; 29Gam Vir ; 2.74; 7200;occ; 80; 0;21413  
 12; 8192.2; 05-APR-2006 02:05:14; Bright; 37.0; 62; 94Bet Leo ; 2.14; 9700;occ; 74; 0;21413  
 13; 8293.8; 05-APR-2006 02:06:56; Bright; 35.5; 96; 68Del Leo ; 2.56; 9300;occ; 71; 0;21413  
 14; 8699.6; 05-APR-2006 02:13:42; Bright; 36.5; 174; 52Psi UMa ; 3.00; 4400;occ; 73; 0;21413  
 15; 8872.3; 05-APR-2006 02:16:34; Bright; 35.5; 87; 64Gam UMa ; 2.43; 11000;occ; 71; 0;21413  
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 17; 9355.4; 05-APR-2006 02:24:37; Bright; 39.5; 60; 7Bet UMi ; 2.08; 3950;occ; 79; 0;21413  
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 3; -1192.2; 05-APR-2006 02:50:01; Dark ; 45.5; 61; 8Eps Peg ; 2.10; 3900;occ; 91; 0;21414  
 4; -1043.1; 05-APR-2006 02:52:30; Dark ; 41.5; 162; 34Alp Aqr ; 2.94; 5350;occ; 83; 0;21414  
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 7; -265.2; 05-APR-2006 03:05:28; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;21414  
 8; 376.1; 05-APR-2006 03:16:09; Dark ; 43.5; 141; Bet Ara ; 2.84; 4600;occ; 87; 0;21415  
 9; 545.6; 05-APR-2006 03:18:59; Dark ; 38.5; 134; Bet TrA ; 2.81; 6600;occ; 77; 0;21415  
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 11; 874.0; 05-APR-2006 03:24:27; Dark ; 43.5; 78; Alp Lup ; 2.30; 28000;occ; 87; 0;21415  
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 13; 1128.4; 05-APR-2006 03:28:42; Dark ; 51.0; 54; 5The Cen ; 2.06; 4500;occ; 102; 0;21415  
 14; 1471.7; 05-APR-2006 03:34:25; Dark ; 42.5; 106; 9Bet Crv ; 2.65; 5600;occ; 85; 0;21415  
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 18; 2258.7; 05-APR-2006 03:47:32; Bright; 35.0; 96; 68Del Leo ; 2.56; 9300;occ; 70; 0;21415  
 19; 2664.4; 05-APR-2006 03:54:18; Bright; 35.0; 174; 52Psi UMa ; 3.00; 4400;occ; 70; 0;21415  
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 22; 3319.8; 05-APR-2006 04:05:13; Bright; 39.5; 60; 7Bet UMi ; 2.08; 3950;occ; 79; 0;21415  
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 5; -911.1; 05-APR-2006 04:35:19; Dark ; 44.0; 154; 22Bet Aqr ; 2.90; 5700;occ; 88; 0;21415  
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 9; 545.6; 05-APR-2006 04:59:35; Dark ; 39.5; 134; Bet TrA ; 2.81; 6600;occ; 79; 0;21416  
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 12; 970.6; 05-APR-2006 05:06:40; Dark ; 45.5; 81; Eta Cen ; 2.36; 28000;occ; 91; 0;21416  
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 3; 4843.9; 05-APR-2006 06:11:14; Dark ; 46.0; 61; 8Eps Peg ; 2.10; 3900;occ; 92; 0;21416  
 4; 4992.9; 05-APR-2006 06:13:43; Dark ; 42.5; 162; 34Alp Aqr ; 2.94; 5350;occ; 85; 0;21416  
 5; 5125.3; 05-APR-2006 06:15:55; Dark ; 43.5; 154; 22Bet Aqr ; 2.90; 5700;occ; 87; 0;21416  
 6; 5276.9; 05-APR-2006 06:18:27; Dark ; 43.0; 142; 49Del Cap ; 2.85; 8900;occ; 86; 0;21416  
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 13; 7164.8; 05-APR-2006 06:49:55; Dark ; 50.5; 54; 5The Cen ; 2.06; 4500;occ; 101; 0;21416  
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 20; 8872.1; 05-APR-2006 07:18:22; Bright; 35.5; 87; 64Gam UMa ; 2.43; 11000;occ; 71; 0;21416



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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  
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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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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	
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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	
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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	
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 28; 1104.5; 25-APR-2006 18:05:02; Dark ; 12.0; 81; Eta Cen ; 2.36; 28000;occ; 24; 0;21710

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 19; -292.0; 25-APR-2006 19:22:22; Dark ; 41.5; 172; Gam Gru ; 3.00; 13100;occ; 83; 0;21710  
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 22; 132.3; 25-APR-2006 19:29:26; Dark ; 40.5; 45; Alp Pav ; 1.94; 26000;occ; 81; 0;21711  
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 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

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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  
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 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  
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 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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 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  
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 19; 2979.9; 26-APR-2006 01:18:41; Bright; 37.0; 36; 50Alp UMA ; 1.80; 6300;occ; 74; 0;21714  
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