

# GOMOS Daily Report 09-APR-2006

## Level 0 and Level 1 products

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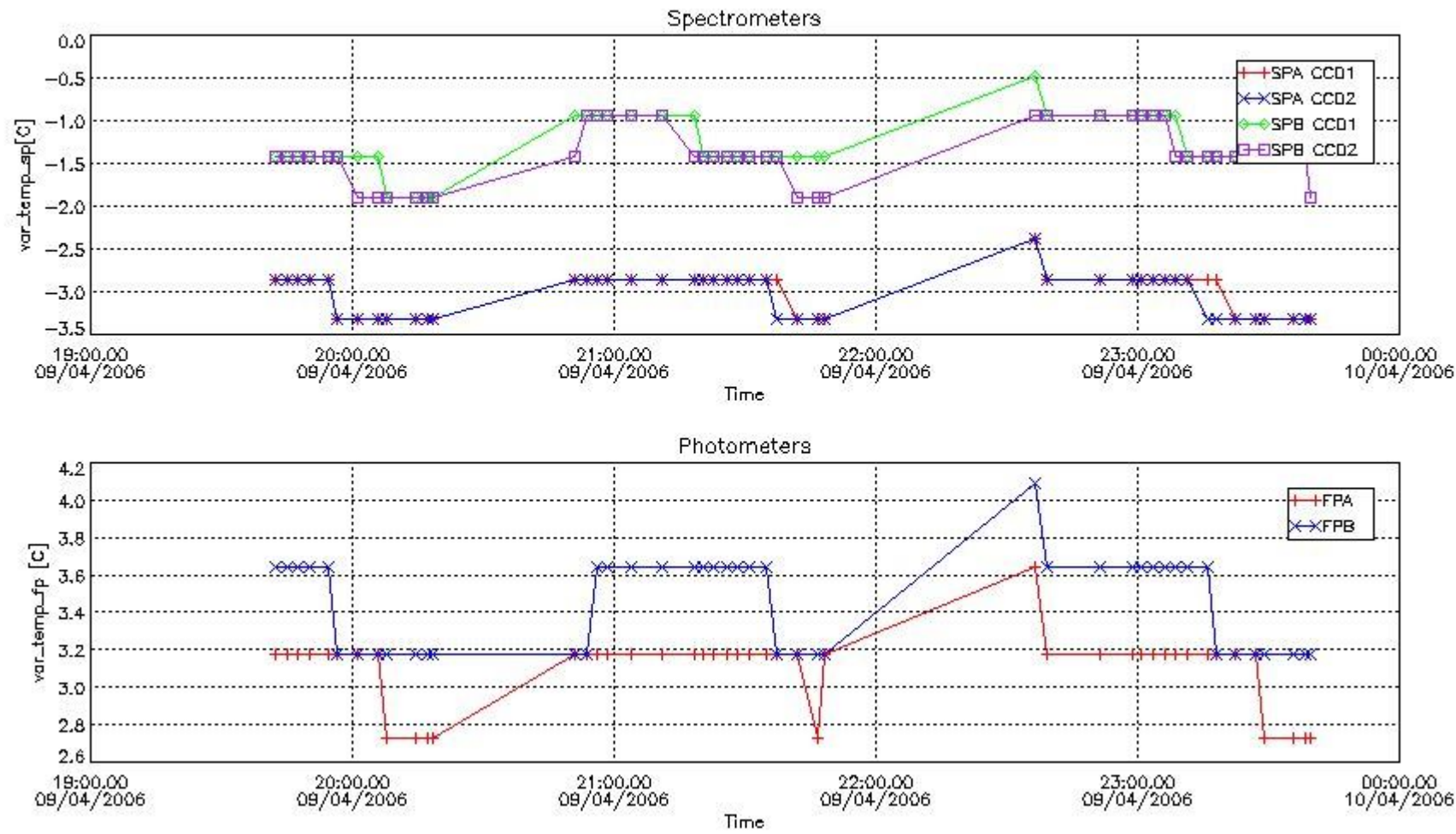
### 1. General Info

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	11APR2006 04:31:35



### 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).

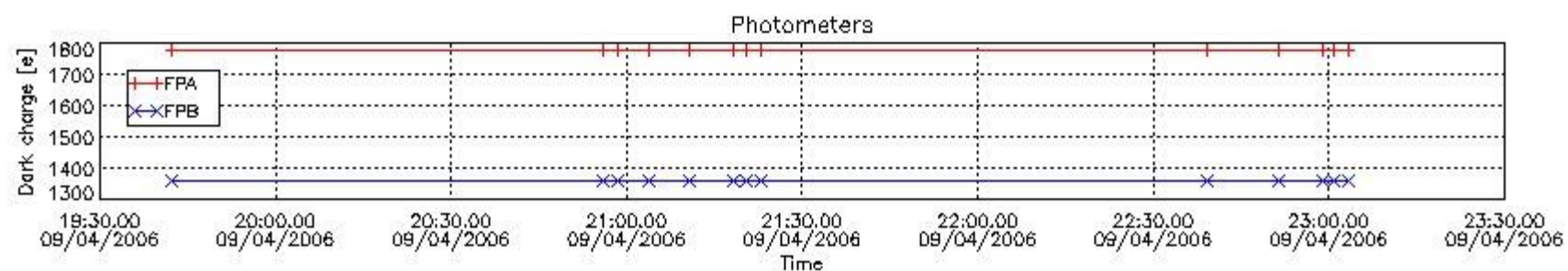
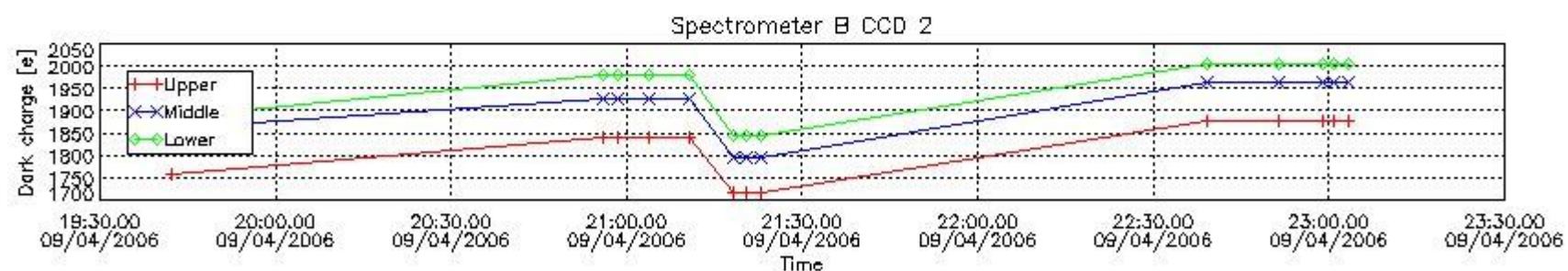
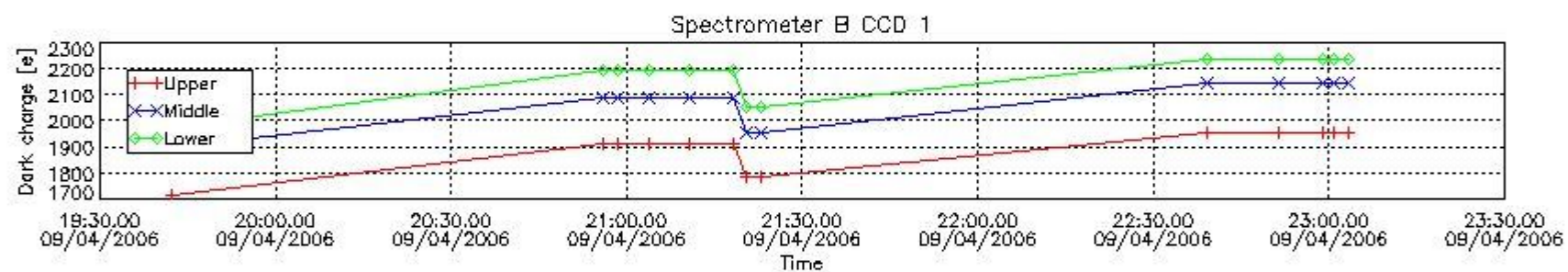
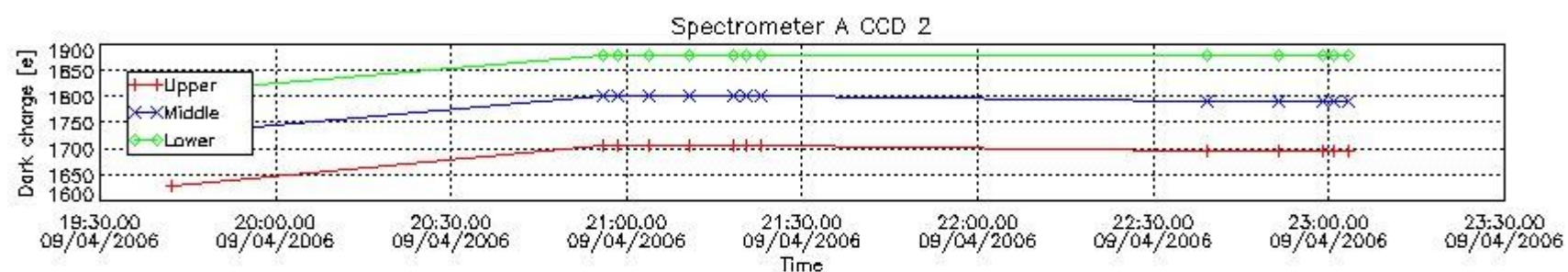
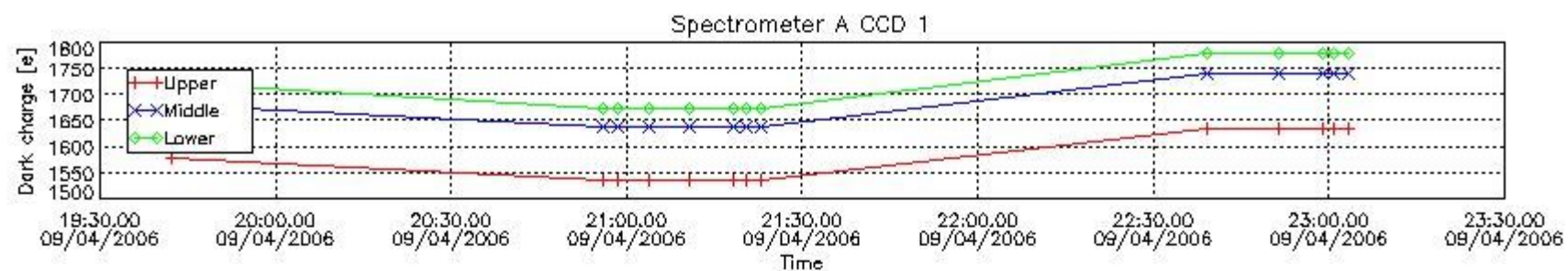
In this section a list of products that did not use the Dark Sky Area (DSA) observation for the DC computation is given. It is also provided the mean DC plot per product for dark limb products with no error flag set.

#### 4.1 These products did not use the DSA observation for DC computation:

Product name	DC information
GOM_TRA_1PNPDE20060409_194211_000000532046_00386_21482_0000.N1	DC map used (0)
GOM_TRA_1PNPDE20060409_194513_000000432046_00386_21482_0001.N1	DC map used (0)
GOM_TRA_1PNPDE20060409_194732_000000372046_00386_21482_0002.N1	DC map used (0)
GOM_TRA_1PNPDE20060409_195014_000000412046_00386_21482_0003.N1	DC map used (0)
GOM_TRA_1PNPDE20060409_195419_000000452046_00386_21482_0004.N1	DC map used (0)
GOM_TRA_1PNPDE20060409_195638_000000402046_00386_21482_0005.N1	DC map used (0)
GOM_TRA_1PNPDE20060409_200117_000000392046_00386_21482_0006.N1	DC map used (0)
GOM_TRA_1PNPDE20060409_200558_000000362046_00386_21482_0007.N1	DC map used (0)
GOM_TRA_1PNPDE20060409_200746_000000352046_00386_21482_0008.N1	DC map used (0)
GOM_TRA_1PNPDE20060409_201428_000000342046_00386_21482_0009.N1	DC map used (0)

GOM_TRA_1PNPDE20060409_201709_000000382046_00386_21482_0010.N1	DC map used (0)
GOM_TRA_1PNPDE20060409_201835_000000402046_00386_21482_0011.N1	DC map used (0)

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



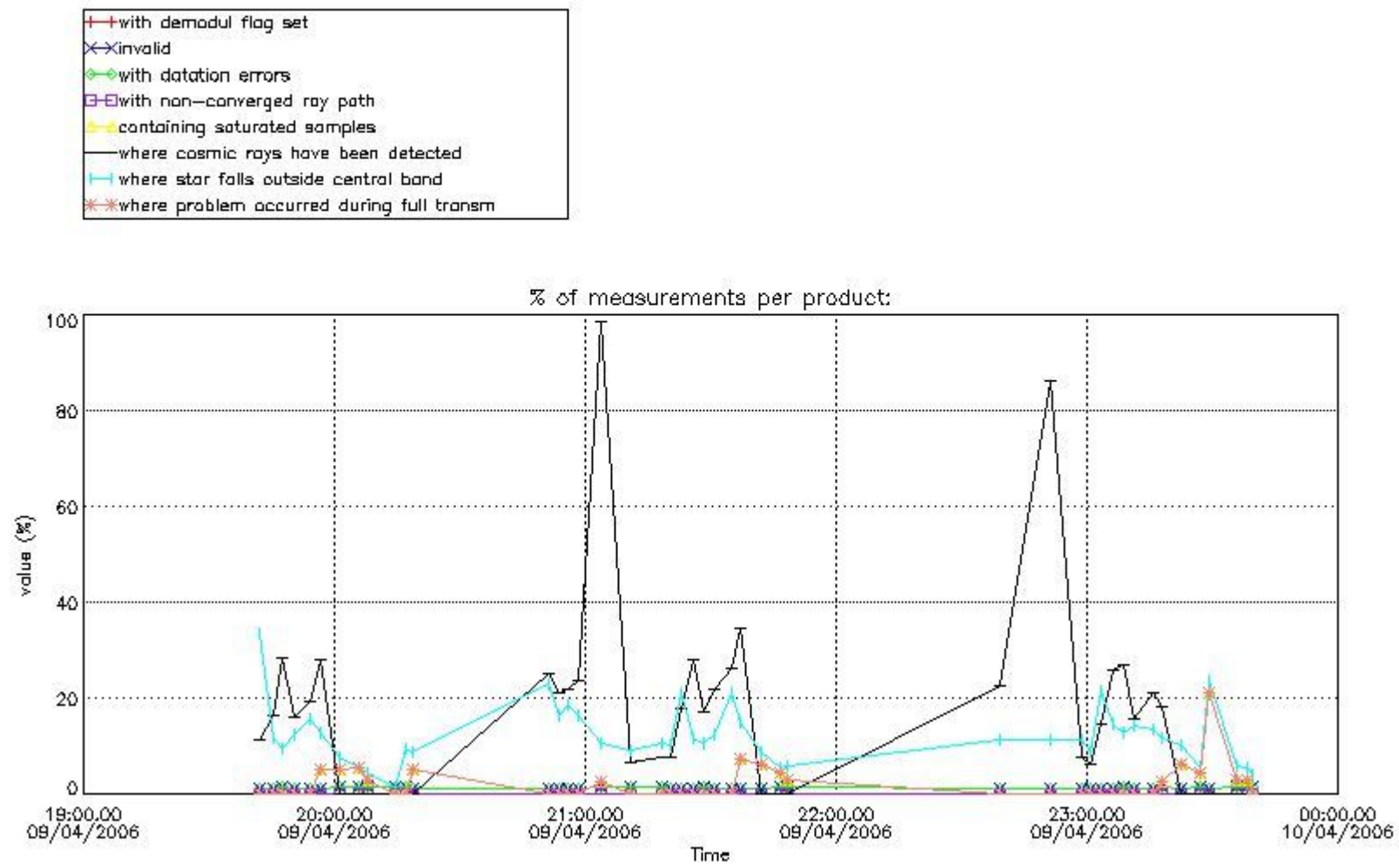
5. Demodulation flag and quality information monitoring

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.

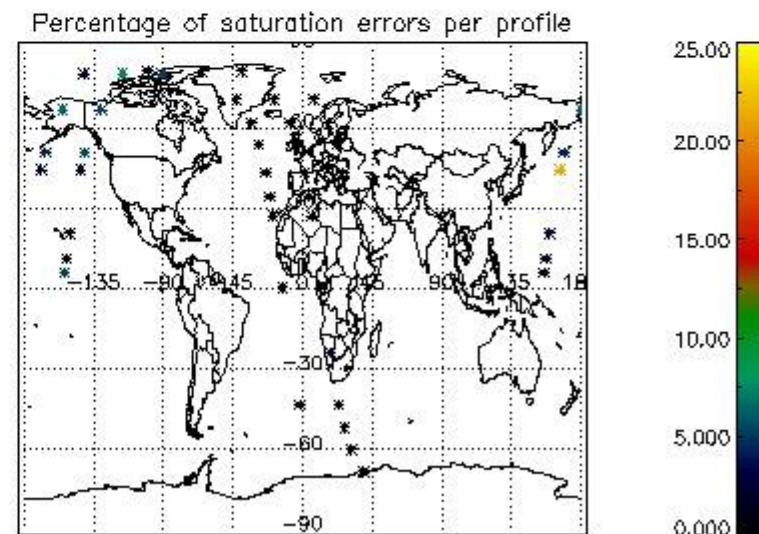
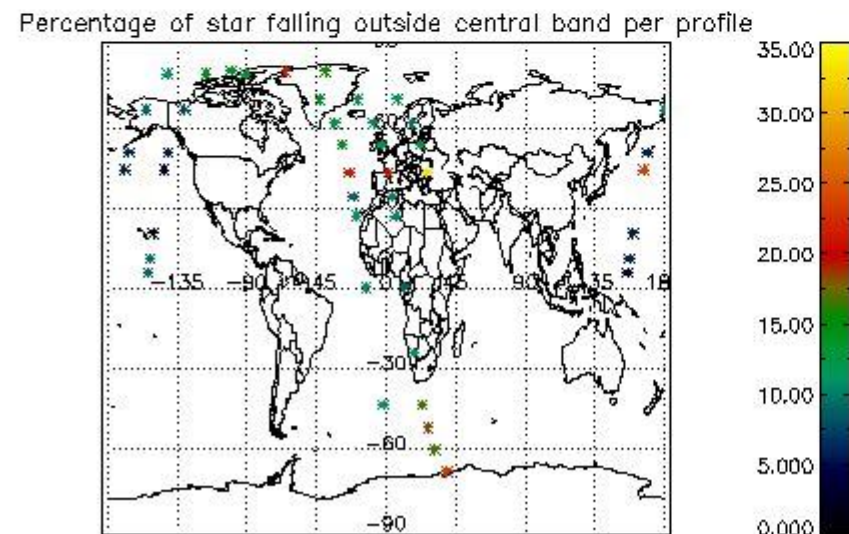
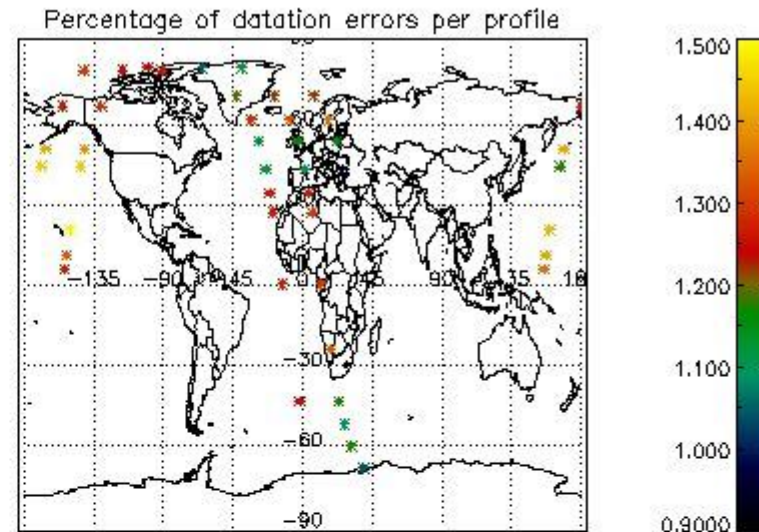
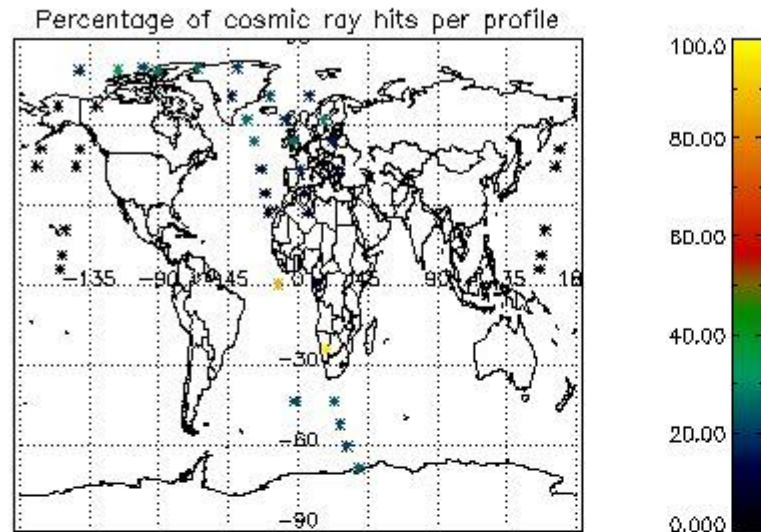
5.1 Percentage of products during reporting period with:

At least one measurement with demodulation flag set:	6.66667 %
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)



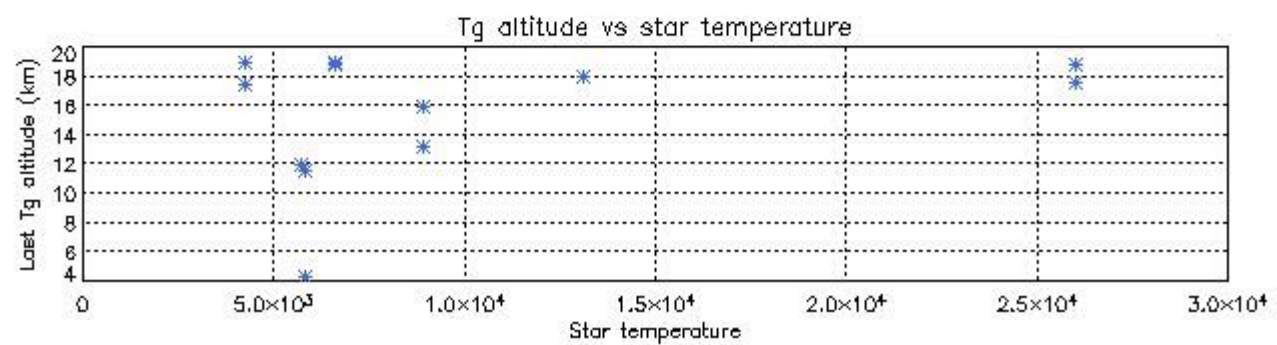
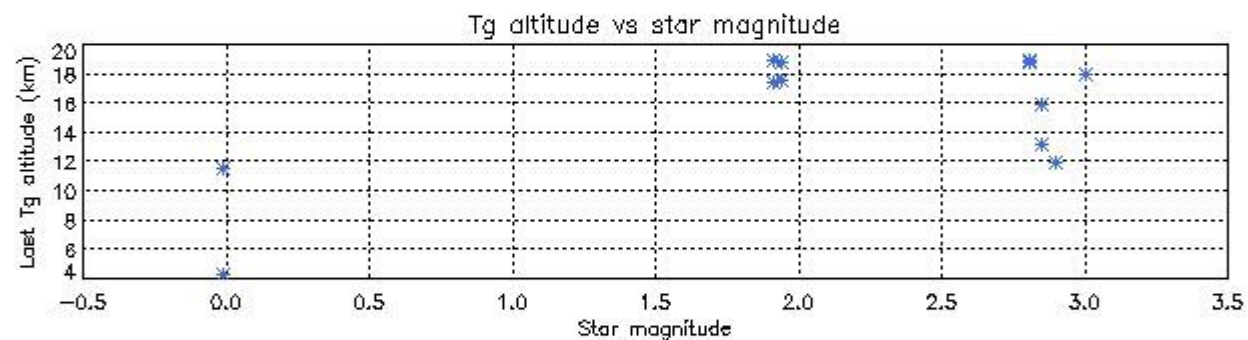
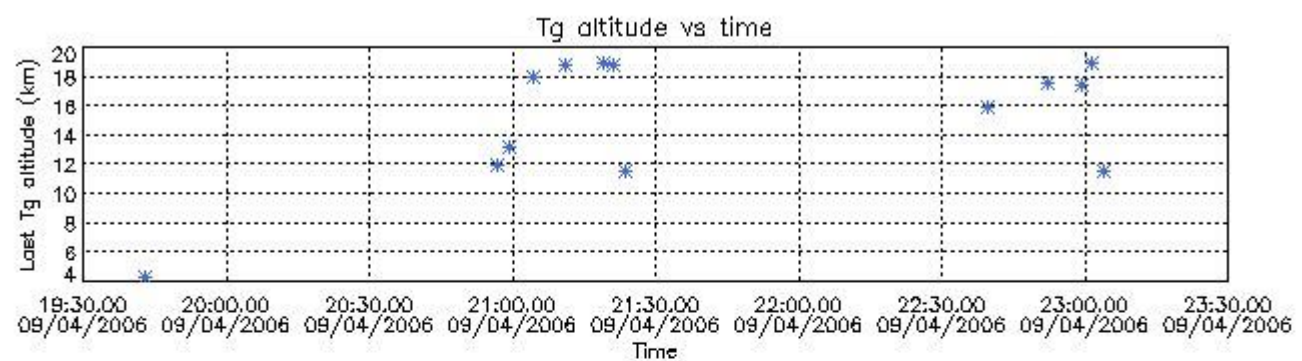
## 6. Statistics and plot of tangent altitude of the last measurement (DARK & BRIGHT products without errors)

### 6.1 Statistics on tangent altitude lost:

Statistics	DARK	BRIGHT	TWILIGHT
Mean:	15.105	18.321	15.667
St. deviation:	4.4019	3.7512	2.7906
Maximum:	18.879	24.924	18.778
Minimum:	4.2605	10.899	10.405
Number of data:	13.000	24.000	8.0000

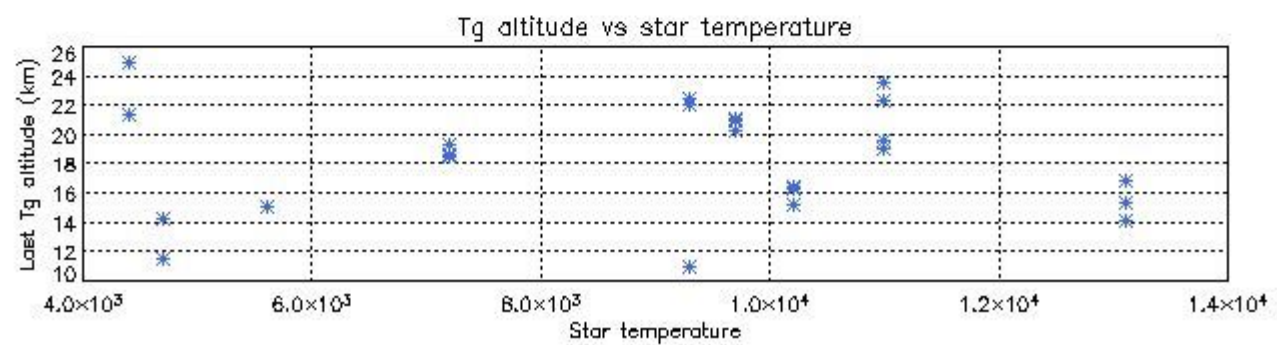
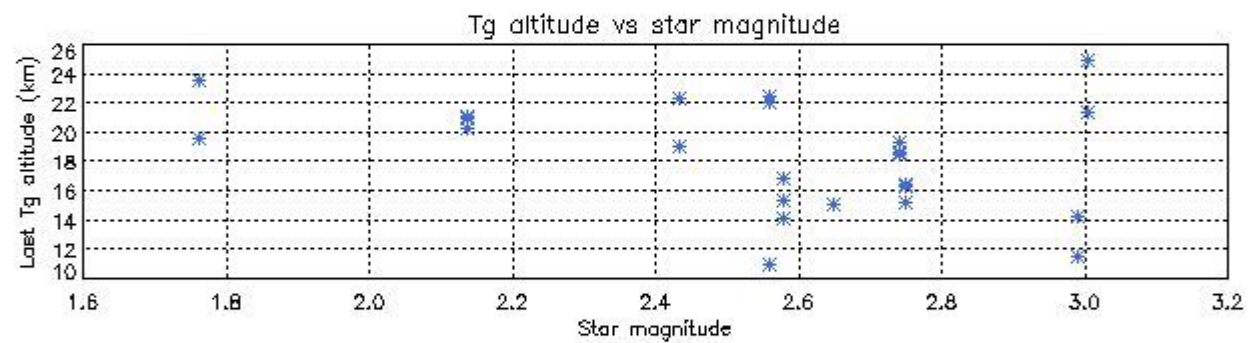
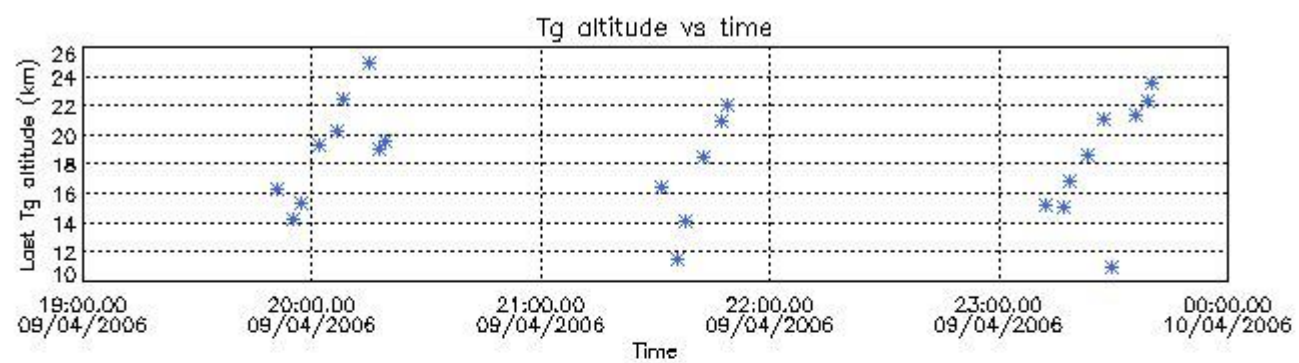
### 6.2 Plot for DARK limb products

Tangent altitude at which the star is lost



6.3 Plot for BRIGHT limb products

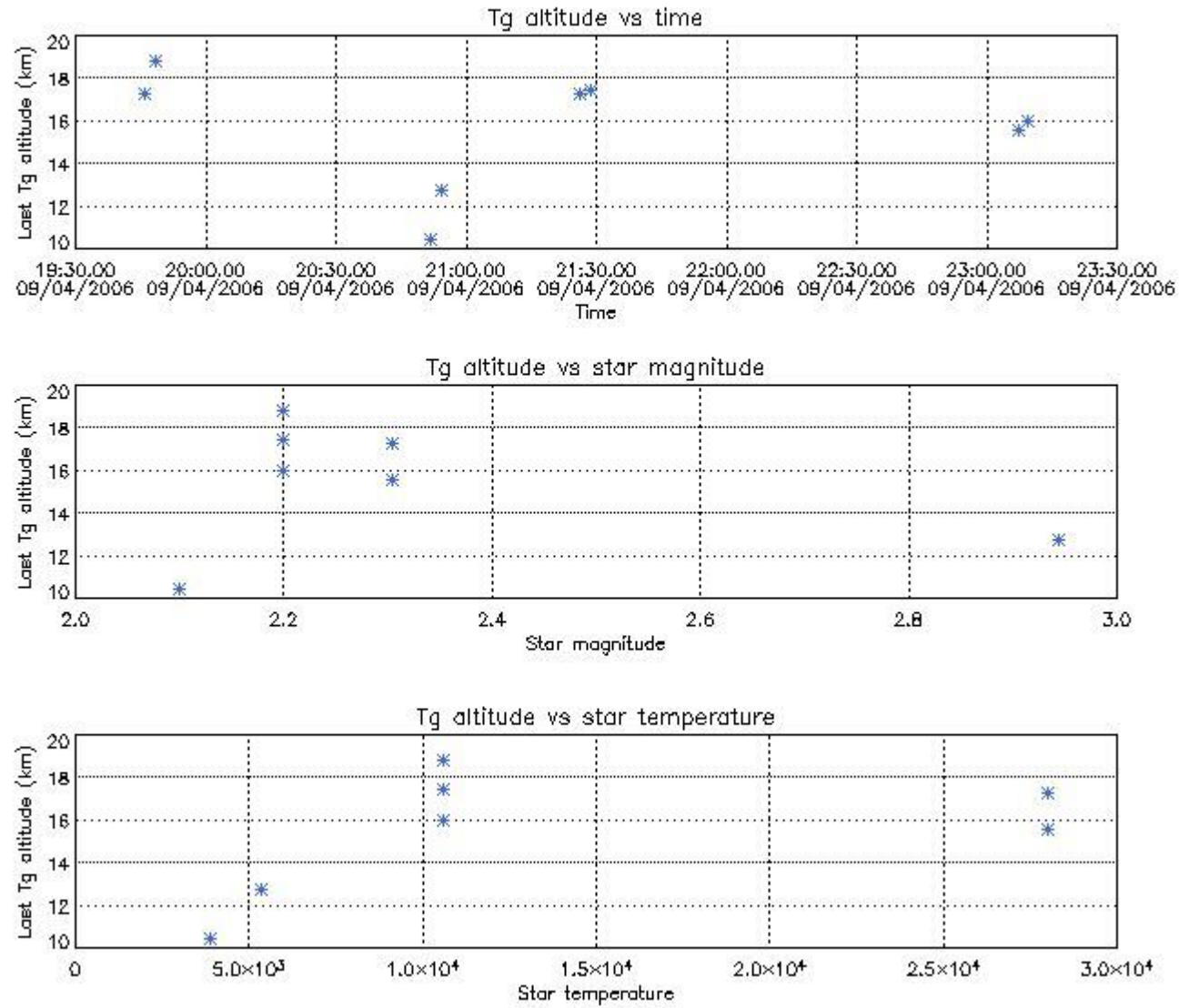
Tangent altitude at which the star is lost



6.3 Plot for TWILIGHT limb products



## Tangent altitude at which the star is lost



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

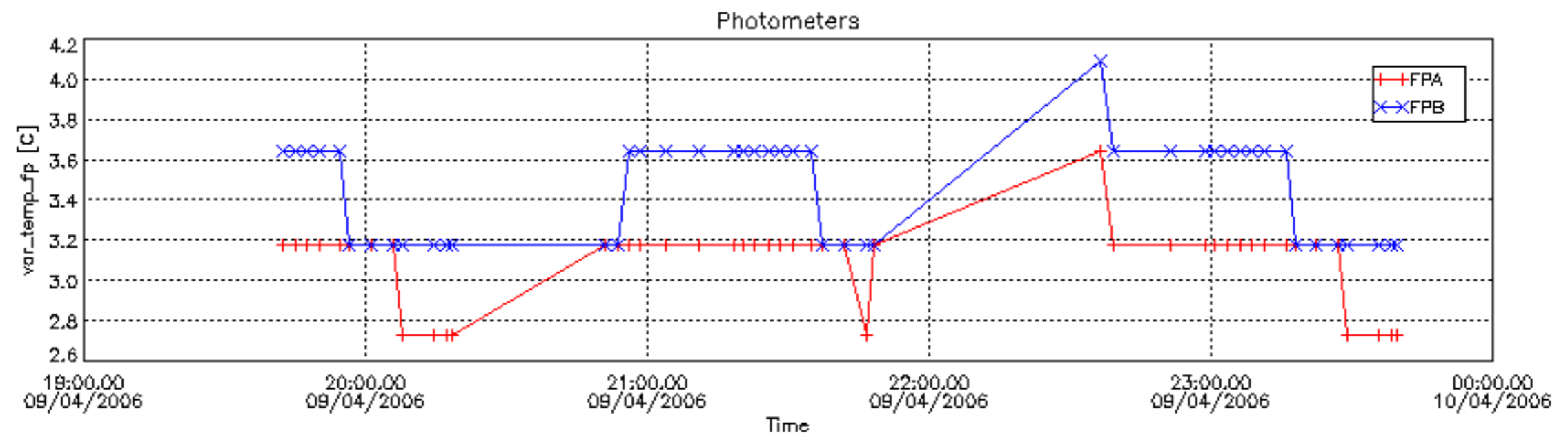
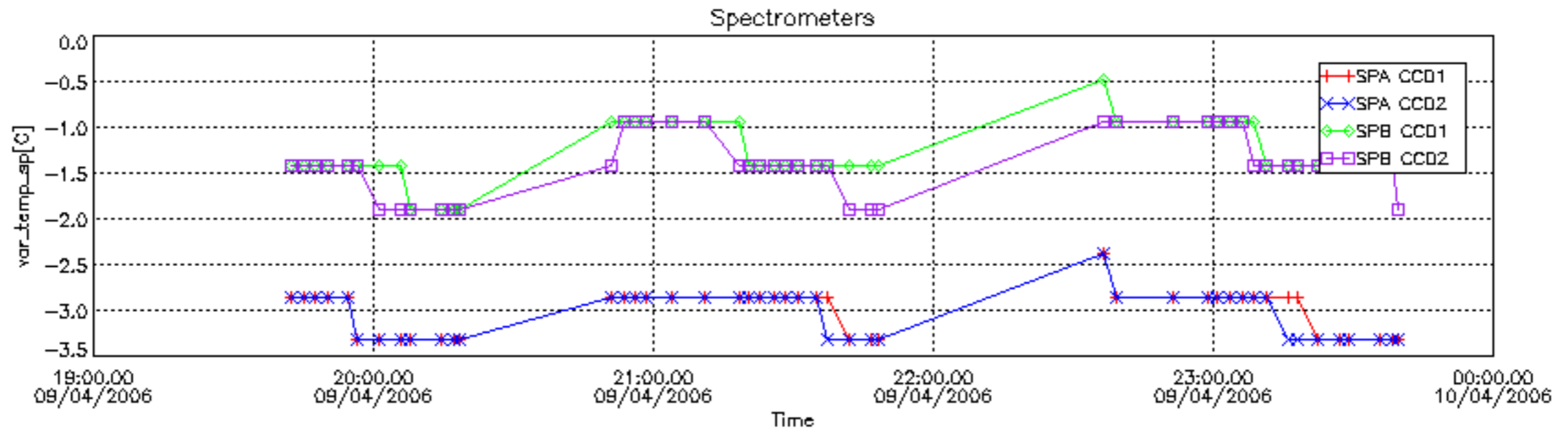
The Star Acquisition and Tracking Unit (it is the CCD that tracks the star while it is occulted) Noise Equivalent Angle consists of the statistical angular variation of the SATU data above the atmosphere. Statistics above 105 km are computed for every occultation, giving four values per occultation: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

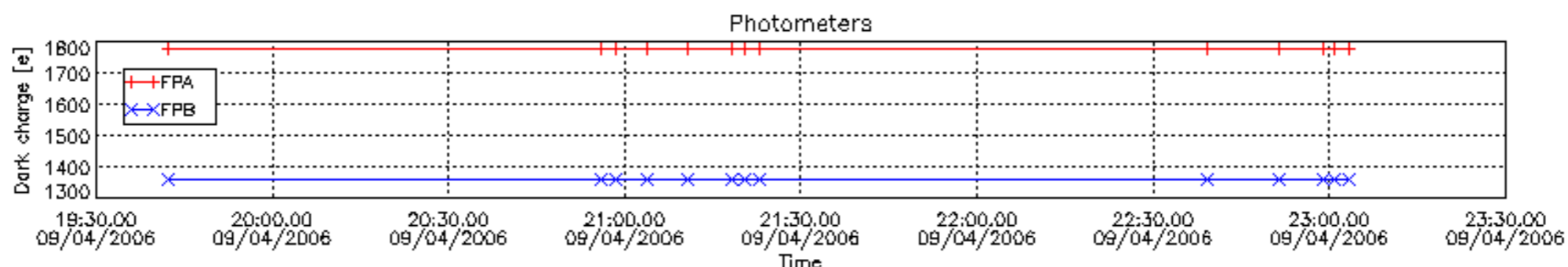
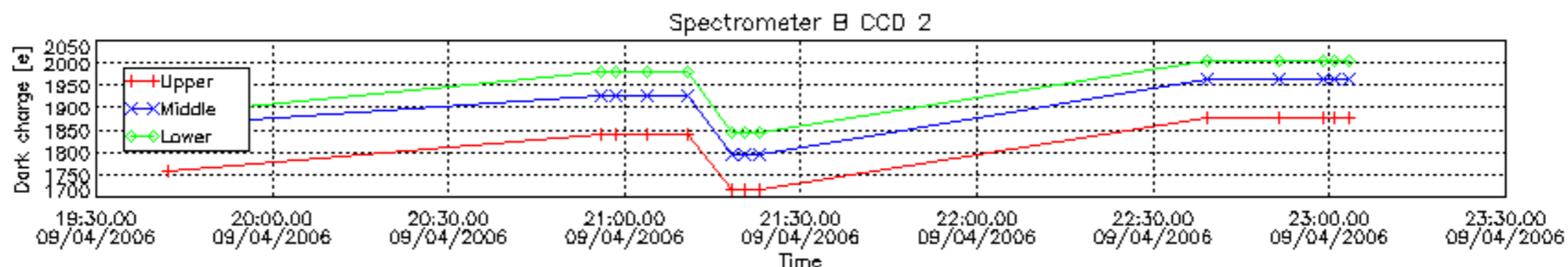
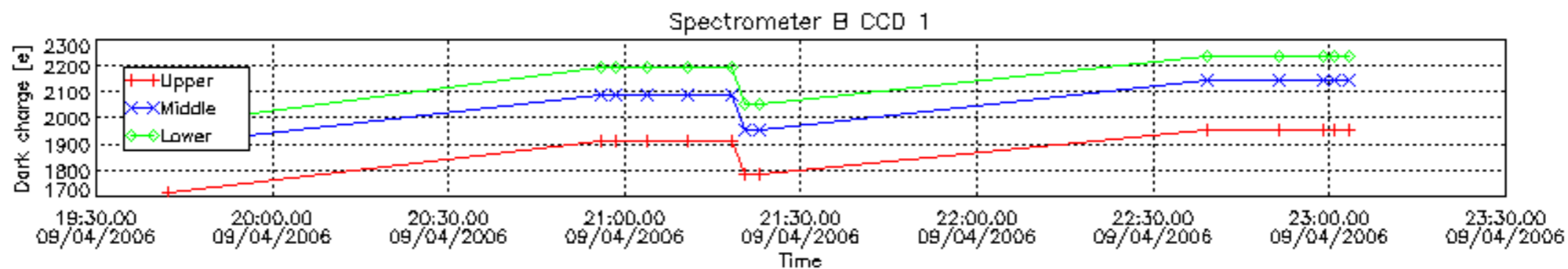
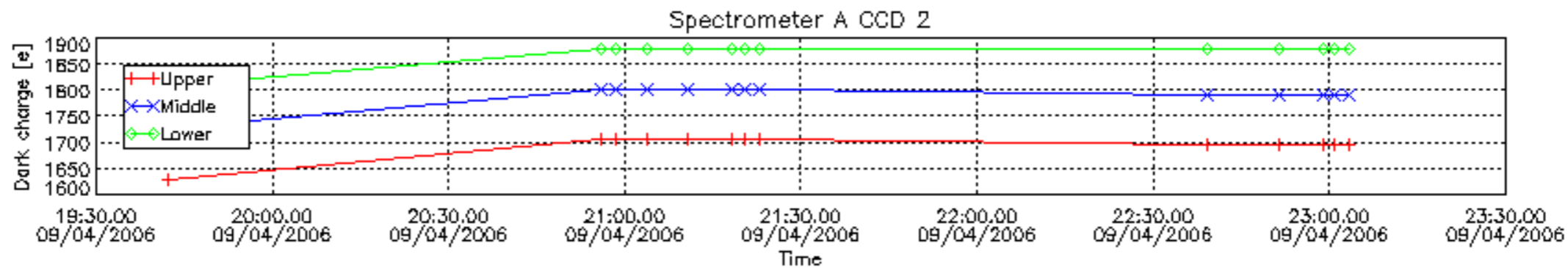
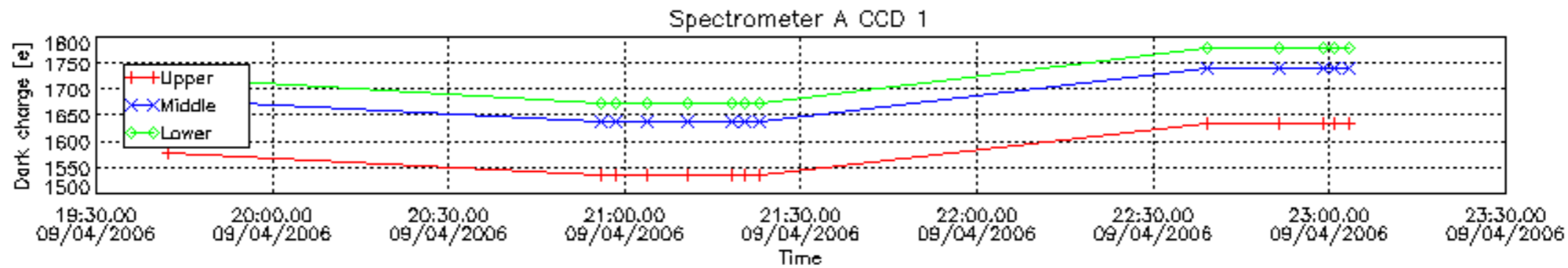
Statistics	SATU X (D)	SATU Y (D)	SATU X (B)	SATU Y (B)
Mean:	1460.8	1448.4	1461.9	1447.8
St. deviation:	5.8441	13.684	8.7565	12.739
Maximum:	1507.0	1509.0	1505.0	1562.0
Minimum:	1446.0	1432.0	1439.0	1430.0
Number of data:	11450.	11450.	20000.	20000.

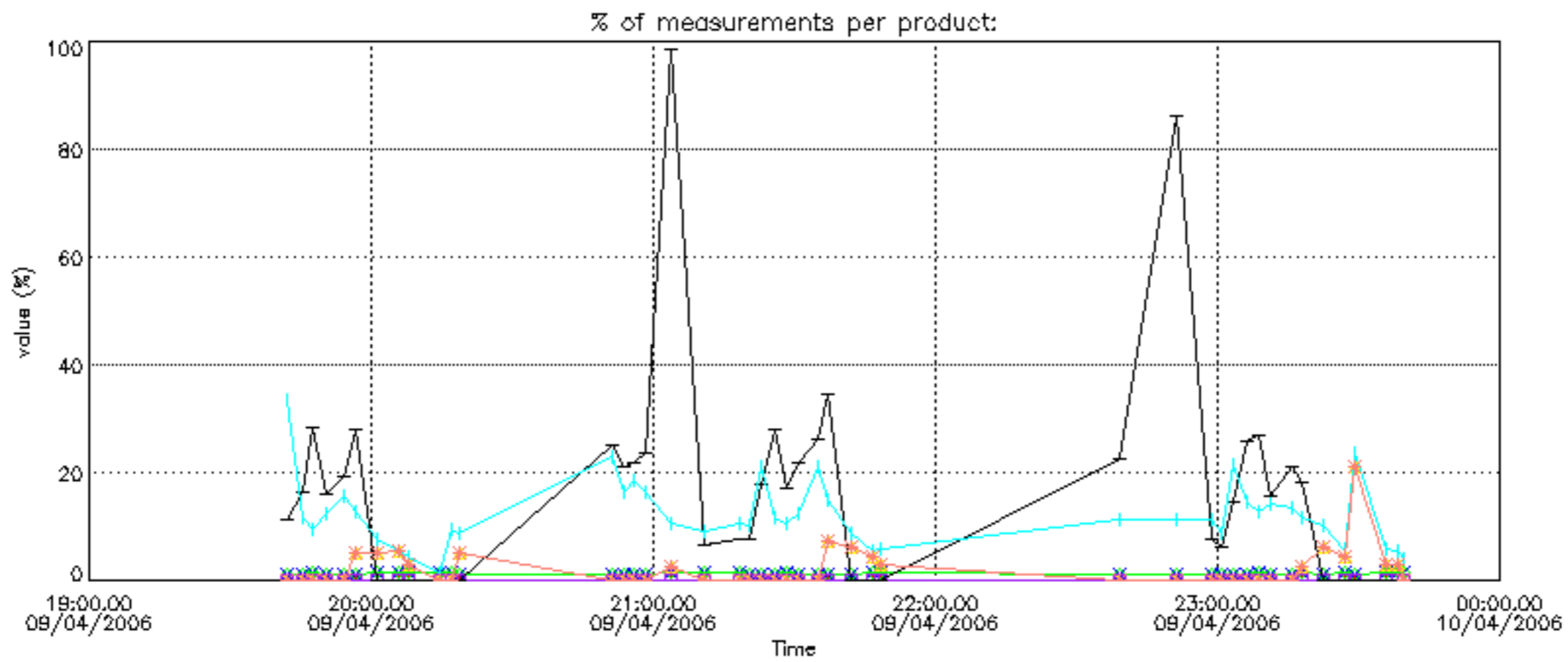
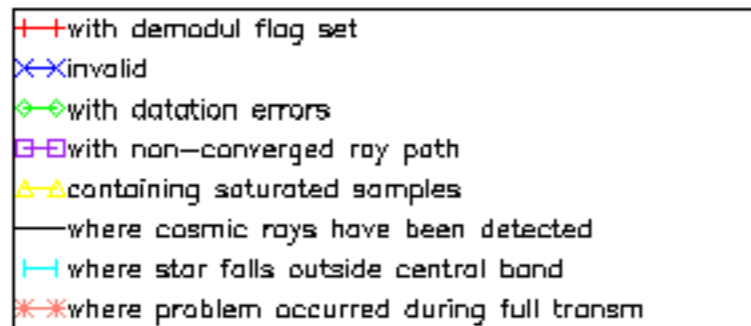
## 8. Auxiliary Data Files used for the production reported in section 2.2

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.

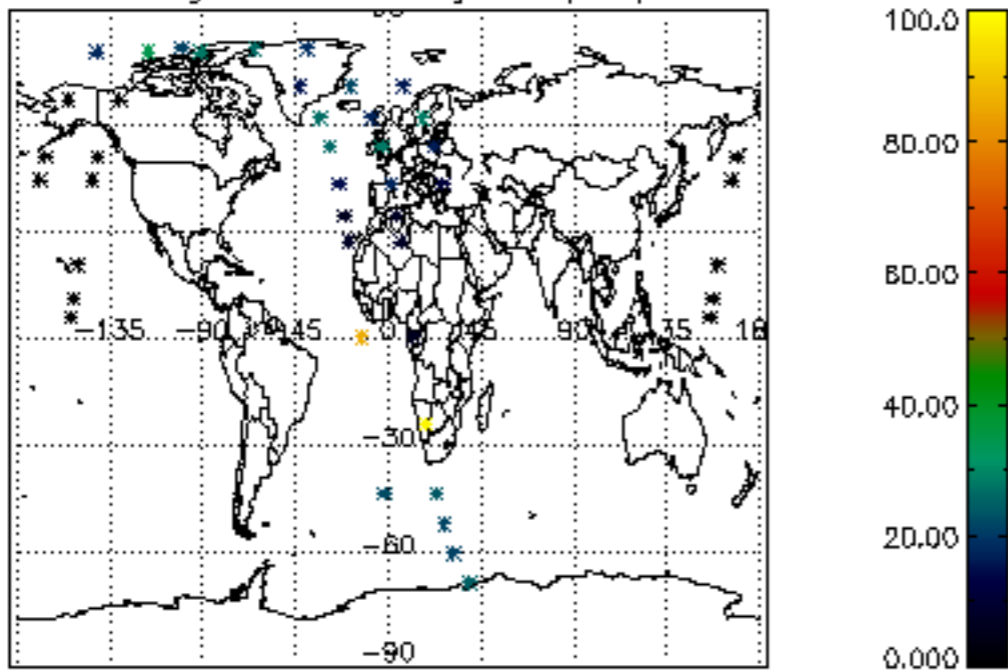
Type	Auxiliary Filename	Used since product	Used since product date
INST_PHYS_CHARACTERISTICS	GOM_INS_AXVIEC20030716_105425_20030716_120000_20100101_000000	1	09-APR-2006 19:42:11
CALIBRATION_DATABASE	GOM_CAL_AXVIEC20060331_091607_20060329_000000_20100101_000000	1	09-APR-2006 19:42:11
LEVEL-1B_PROC_CONFIG	GOM_PR1_AXVIEC20040401_083133_20020324_200000_20100101_000000	1	09-APR-2006 19:42:11
STAR_CATALOGUE	GOM_CAT_AXVIEC20020121_161009_20020101_000000_20200101_000000	1	09-APR-2006 19:42:11
STELLAR_SPECTRA_DATABANK	GOM_STS_AXVIEC20020121_165822_20020101_000000_20200101_000000	1	09-APR-2006 19:42:11
ECMWF_FILE	AUX_ECA_AXNECM20060409_181030_20060409_090000_20060409_210000	1	09-APR-2006 19:42:11
ECMWF_FILE	AUX_ECF_AXNECM20060409_062115_20060409_150000_20060410_030000	13	09-APR-2006 20:51:08
ECMWF_FILE	AUX_ECF_AXNECM20060409_062133_20060409_210000_20060410_090000	30	09-APR-2006 22:36:35
OPTIONAL_ECMWF_FILE	NOT USED	1	09-APR-2006 19:42:11
ORBIT_DATA_FILE	AUX_FPO_AXVPDS20060408_232054_20060408_182103_20060418_212755	1	09-APR-2006 19:42:11
ORBIT_DATA_FILE	AUX_FPO_AXVPDS20060409_224956_20060409_193002_20060419_205618	13	09-APR-2006 20:51:08



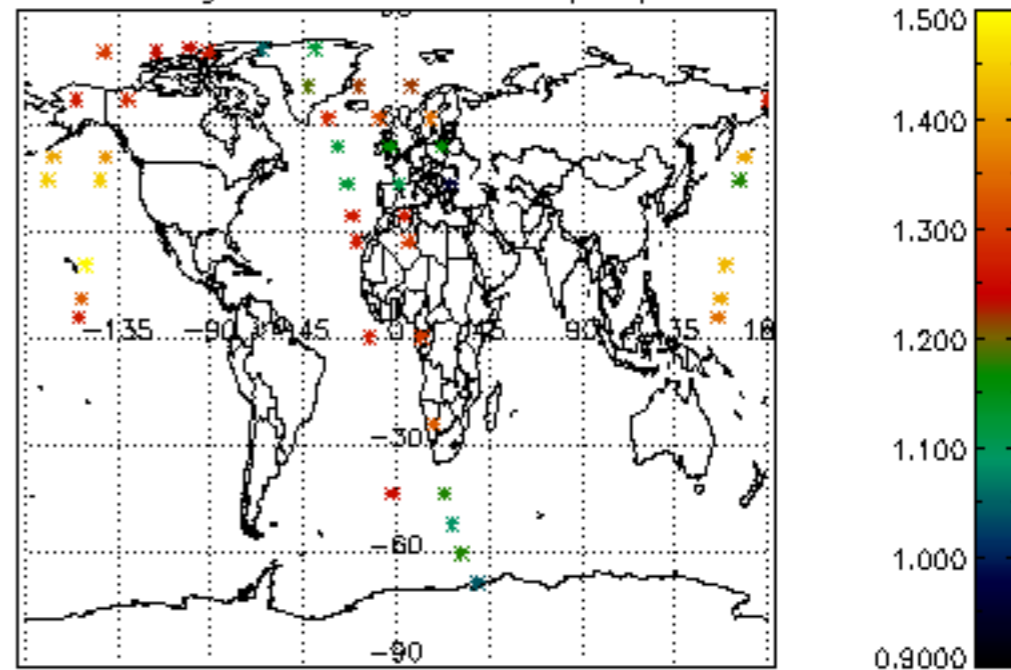




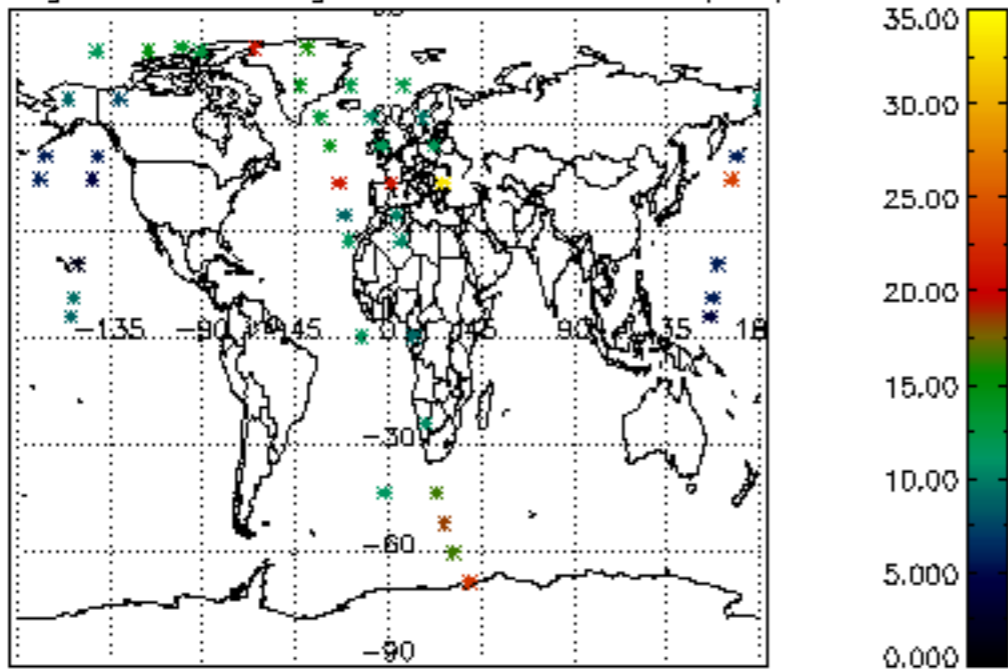
Percentage of cosmic ray hits per profile



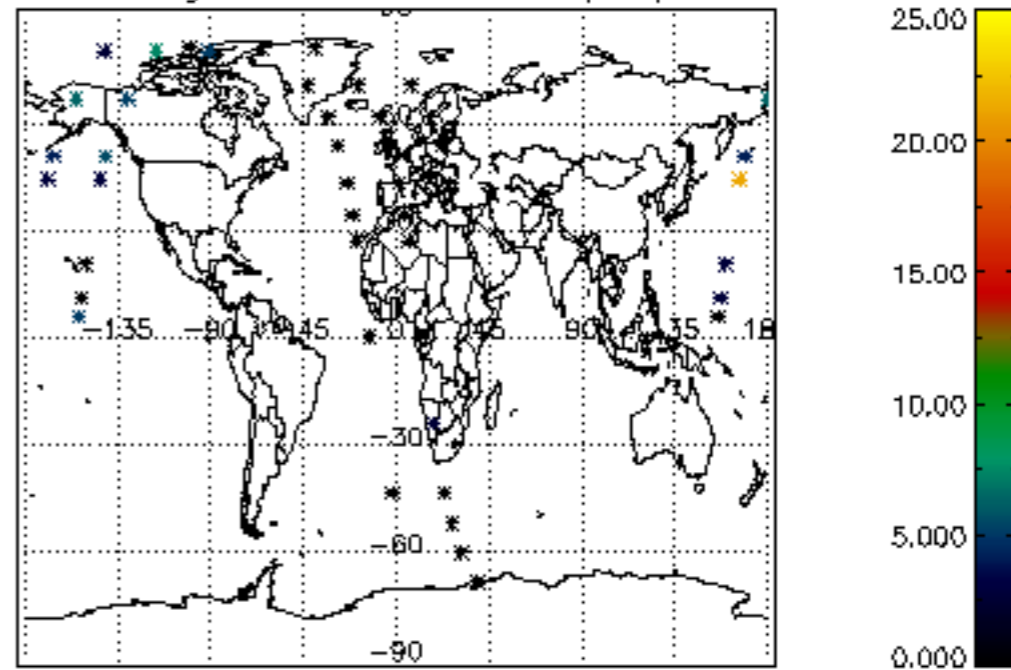
Percentage of datation errors per profile



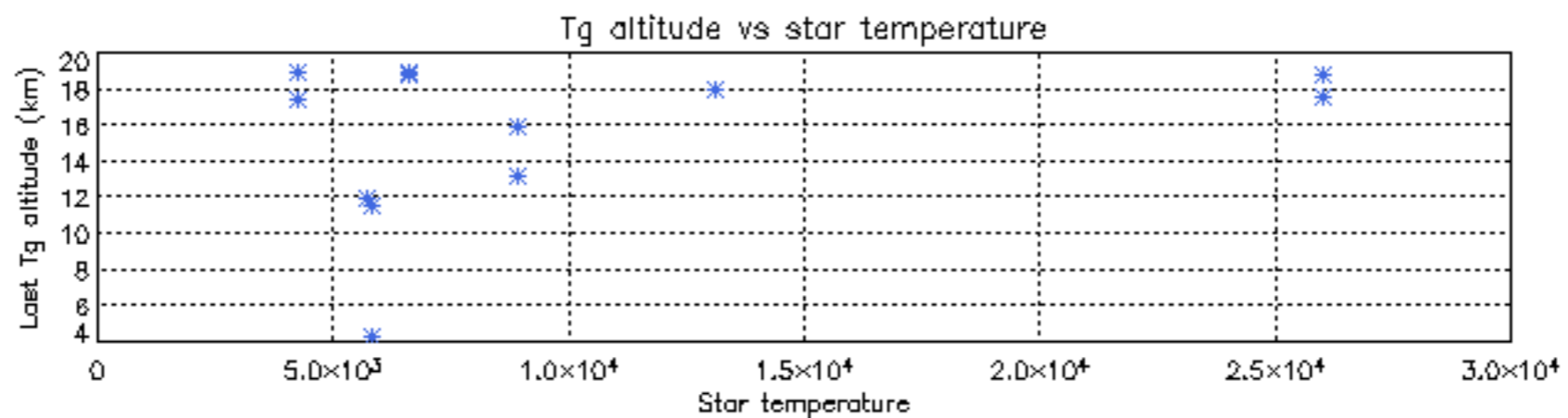
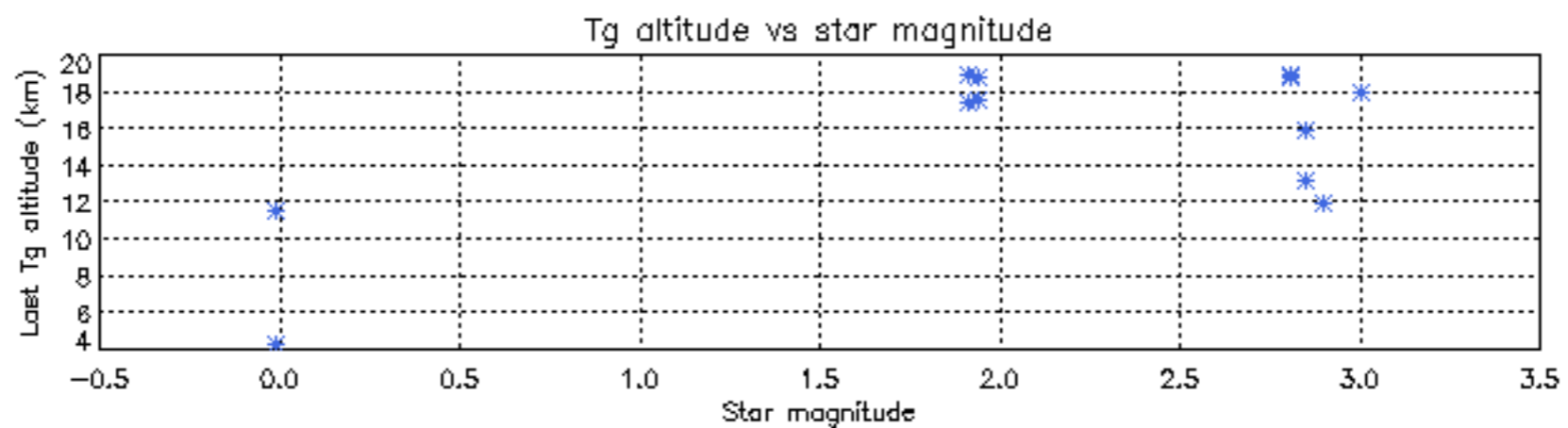
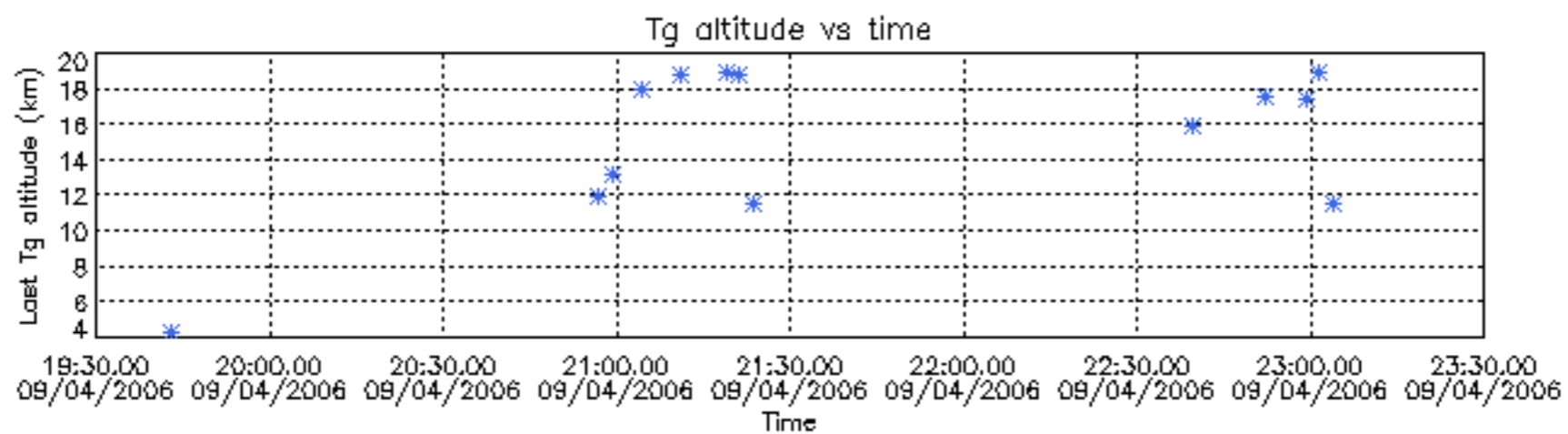
Percentage of star falling outside central band per profile



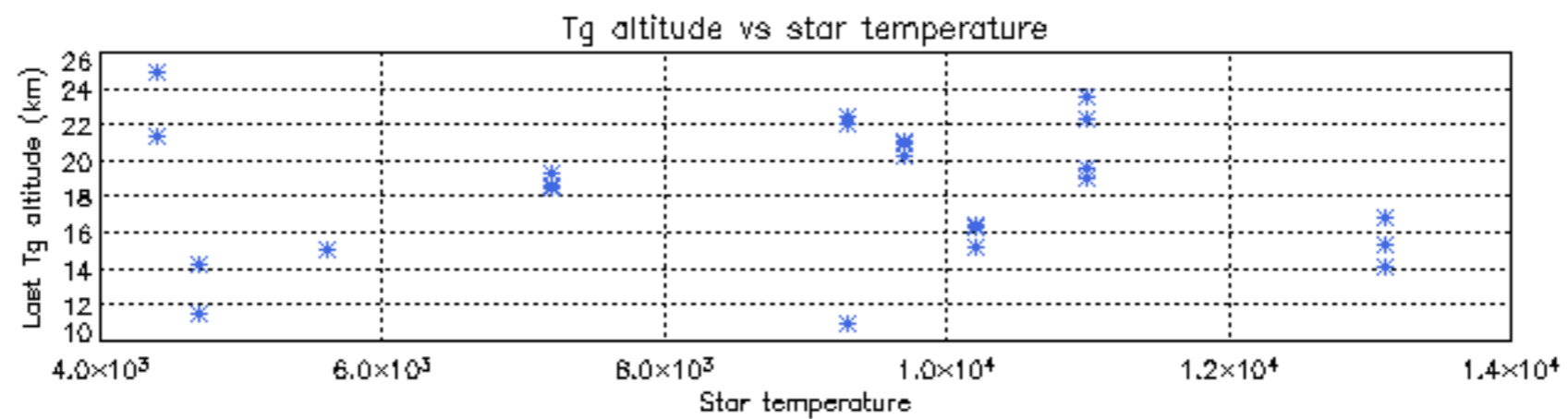
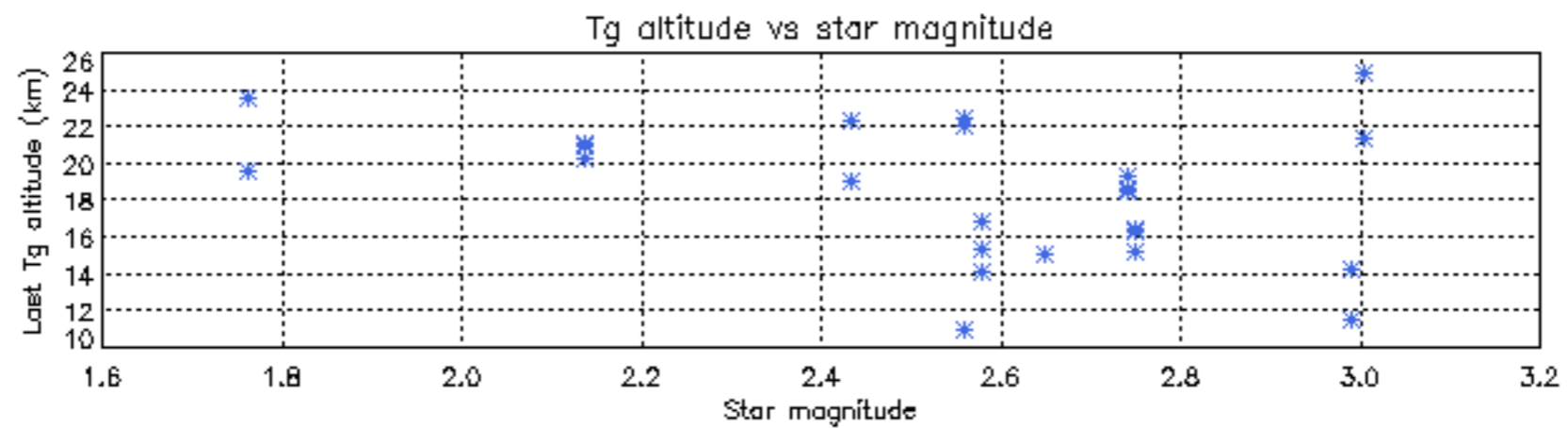
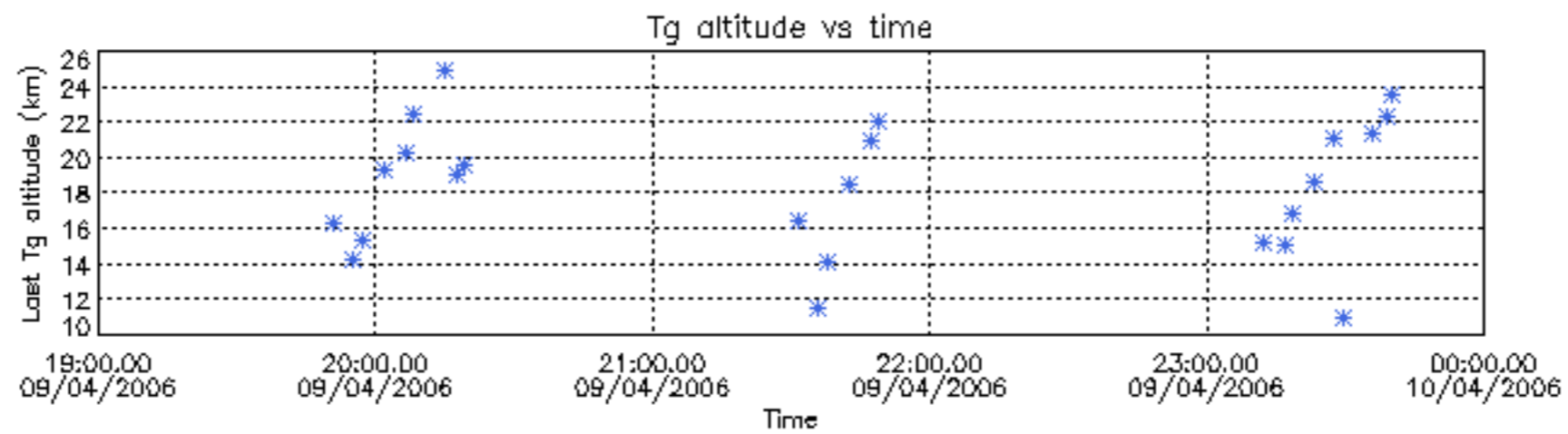
Percentage of saturation errors per profile



Tangent altitude at which the star is lost

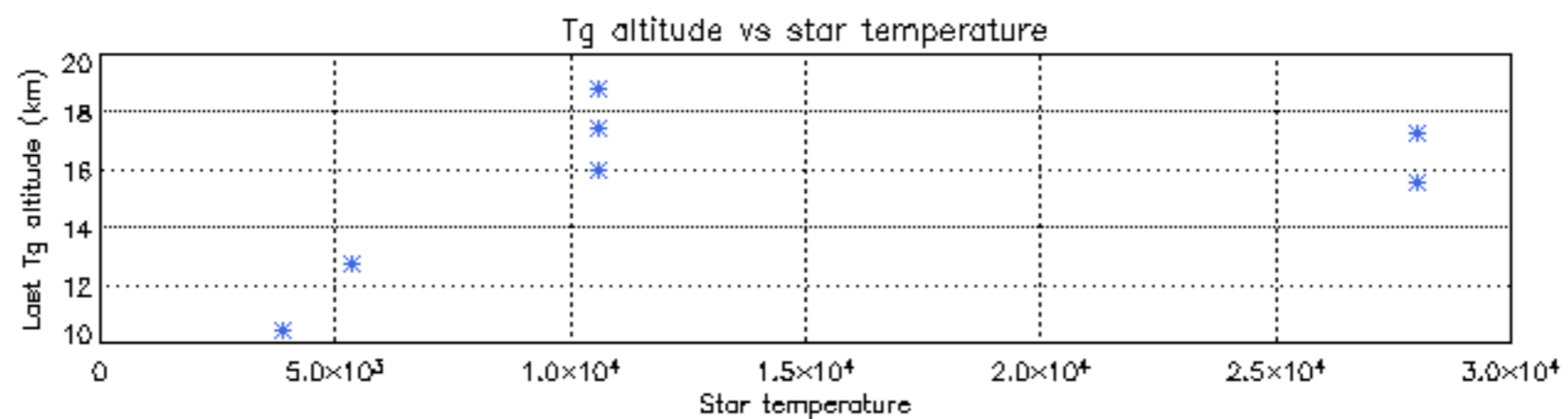
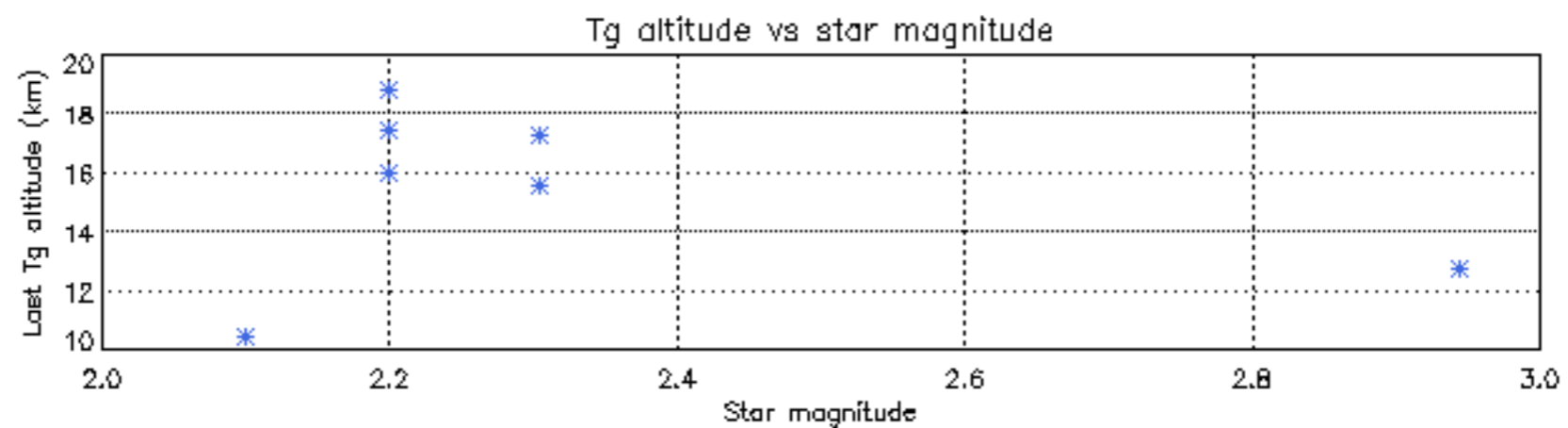
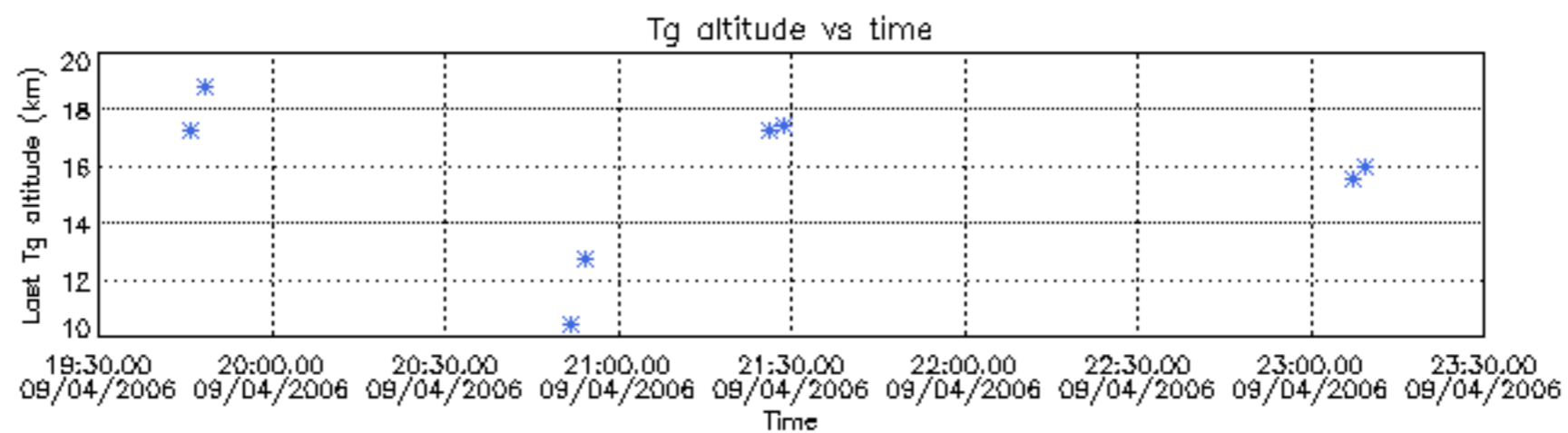


Tangent altitude at which the star is lost





Tangent altitude at which the star is lost



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

1; -316.4; 01-APR-2006 00:09:16; Dark ; 59.0; 0; ; 0.00; 0;occ; 118; 0;21355  
 2; 332.0; 01-APR-2006 00:20:05; Dark ; 42.5; 141; Bet Ara ; 2.84; 4600;occ; 85; 0;21356  
 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  
 6; 934.0; 01-APR-2006 00:30:07; Dark ; 39.0; 81; Eta Cen ; 2.36; 28000;occ; 78; 0;21356  
 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  
 15; 2958.0; 01-APR-2006 01:03:51; Bright; 36.0; 36; 50Alp UMa ; 1.80; 6300;occ; 72; 0;21356  
 16; 3338.5; 01-APR-2006 01:10:11; Bright; 40.5; 60; 7Bet UMi ; 2.08; 3950;occ; 81; 0;21356  
 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

/nas3/ENVISAT/GOMOS/GOM\_NL\_\_0P/GOM\_NL\_\_0PNPDE20060401\_013934\_000044062046\_00260\_21356\_0160.N1

1; 5101.6; 01-APR-2006 01:39:34; Dark ; 43.0; 154; 22Bet Aqr ; 2.90; 5700;occ; 86; 0;21356  
 2; 5720.4; 01-APR-2006 01:49:53; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;21356  
 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  
 10; 7495.8; 01-APR-2006 02:19:28; Dark ; 46.0; 106; 9Bet Crv ; 2.65; 5600;occ; 92; 0;21356  
 11; 7613.8; 01-APR-2006 02:21:26; Dark ; 41.5; 100; 4Gam Crv ; 2.58; 13100;occ; 83; 0;21356  
 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  
 14; 8702.1; 01-APR-2006 02:39:35; Bright; 37.5; 174; 52Psi UMa ; 3.00; 4400;occ; 75; 0;21356  
 15; 8884.4; 01-APR-2006 02:42:37; Bright; 36.5; 87; 64Gam UMa ; 2.43; 11000;occ; 73; 0;21356  
 16; 8993.9; 01-APR-2006 02:44:27; Bright; 35.0; 36; 50Alp UMa ; 1.80; 6300;occ; 70; 0;21356  
 17; 9374.1; 01-APR-2006 02:50:47; Bright; 37.5; 60; 7Bet UMi ; 2.08; 3950;occ; 75; 0;21356  
 18; 9475.6; 01-APR-2006 02:52:28; Bright; 33.0; 49; 1Alp UMi ; 1.99; 6300;occ; 66; 0;21356

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2;-3778.9; 01-APR-2006 10:55:45; Bright; 36.5; 96; 68Del Leo ; 2.56; 9300;occ; 73; 0;21362
3;-3369.7; 01-APR-2006 11:02:35; Bright; 35.0; 174; 52Psi UMa ; 3.00; 4400;occ; 70; 0;21362
4;-3188.5; 01-APR-2006 11:05:36; Bright; 36.5; 87; 64Gam UMa ; 2.43; 11000;occ; 73; 0;21362
5;-3078.2; 01-APR-2006 11:07:26; Bright; 38.5; 36; 50Alp UMa ; 1.80; 6300;occ; 77; 0;21362
6;-2699.3; 01-APR-2006 11:13:45; Bright; 36.0; 60; 7Bet UMi ; 2.08; 3950;occ; 72; 0;21362
7;-2596.0; 01-APR-2006 11:15:28; Bright; 34.0; 49; 1Alp UMi ; 1.99; 6300;occ; 68; 0;21362
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9;-1822.4; 01-APR-2006 11:28:22; Bright; 42.0; 19; 50Alp Cyg ; 1.25; 10500;occ; 84; 0;21362
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12;-932.1; 01-APR-2006 11:43:12; Dark ; 43.5; 154; 22Bet Aqr ; 2.90; 5700;occ; 87; 0;21362
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14; 337.3; 01-APR-2006 12:04:22; Dark ; 42.5; 141; Bet Ara ; 2.84; 4600;occ; 85; 0;21363
15; 518.6; 01-APR-2006 12:07:23; Dark ; 39.5; 134; Bet TrA ; 2.81; 6600;occ; 79; 0;21363
16; 676.9; 01-APR-2006 12:10:01; Dark ; 53.5; 4; Alp1Cen ;-0.01; 5800;occ; 107; 0;21363
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19; 1016.3; 01-APR-2006 12:15:41; Dark ; 40.0; 64; Gam Cen ; 2.20; 10600;occ; 80; 0;21363
20; 1170.6; 01-APR-2006 12:18:15; Dark ; 45.0; 123; Tot Cen ; 2.75; 10200;occ; 90; 0;21363
21; 1461.2; 01-APR-2006 12:23:05; Dark ; 46.0; 106; 9Bet Crv ; 2.65; 5600;occ; 92; 0;21363
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5; 2847.1; 01-APR-2006 12:46:11; Bright; 37.5; 87; 64Gam UMa ; 2.43; 11000;occ; 75; 0;21363
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8; 3439.9; 01-APR-2006 12:56:04; Bright; 33.0; 49; 1Alp UMi ; 1.99; 6300;occ; 66; 0;21363
9; 3901.7; 01-APR-2006 13:03:46; Bright; 34.5; 89; 5Alp Cep ; 2.45; 8000;occ; 69; 0;21363
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19; 7052.5; 01-APR-2006 13:56:17; Dark ; 38.0; 64; Gam Cen ; 2.20; 10600;occ; 76; 0;21363
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9;-2596.0; 01-APR-2006 14:36:40; Bright; 33.5; 49; 1Alp UMi ; 1.99; 6300;occ; 67; 0;21364
10;-2134.3; 01-APR-2006 14:44:22; Bright; 36.5; 89; 5Alp Cep ; 2.45; 8000;occ; 73; 0;21364
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
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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
20; 1016.9; 01-APR-2006 15:36:53; Dark ; 40.5; 64; Gam Cen ; 2.20; 10600;occ; 81; 0;21365
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 12;-1822.0; 01-APR-2006 16:30:10; Bright; 41.0; 19; 50Alp Cyg ; 1.25; 10500;occ; 82; 0;21365  
 13;-1600.4; 01-APR-2006 16:33:51; Bright; 42.5; 92; 53Eps Cyg ; 2.50; 4500;occ; 85; 0;21365  
 14;-1206.6; 01-APR-2006 16:40:25; Dark ; 45.5; 61; 8Eps Peg ; 2.10; 3900;occ; 91; 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  
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 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  
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 12;-2134.4; 01-APR-2006 18:05:34; Bright; 36.0; 89; 5Alp Cep ; 2.45; 8000;occ; 72; 0;21366  
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 19; 520.6; 01-APR-2006 18:49:49; Dark ; 38.0; 134; Bet TrA ; 2.81; 6600;occ; 76; 0;21367  
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 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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 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  
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 19; 521.1; 01-APR-2006 20:30:25; Dark ; 38.0; 134; Bet TrA ; 2.81; 6600;occ; 76; 0;21368  
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 13; 2845.4; 02-APR-2006 02:10:57; Bright; 38.5; 87; 64Gam UMa ; 2.43; 11000;occ; 77; 0;21371  
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4; 1177.7; 02-APR-2006 20:09:45; Dark ; 43.0; 123; Tot Cen ; 2.75; 10200;occ; 86; 0;21382  
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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  
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11; 2664.8; 02-APR-2006 20:34:32; Bright; 36.0; 174; 52Psi UMa ; 3.00; 4400;occ; 72; 0;21382  
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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  
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16; 3900.6; 02-APR-2006 20:55:08; Bright; 37.0; 89; 5Alp Cep ; 2.45; 8000;occ; 74; 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  
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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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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  
14; 2257.2; 02-APR-2006 22:08:21; Bright; 36.0; 96; 68Del Leo ; 2.56; 9300;occ; 72; 0;21383  
15; 2664.8; 02-APR-2006 22:15:08; Bright; 36.5; 174; 52Psi UMa ; 3.00; 4400;occ; 73; 0;21383  
16; 2842.8; 02-APR-2006 22:18:06; Bright; 38.5; 87; 64Gam UMa ; 2.43; 11000;occ; 77; 0;21383  
17; 2956.5; 02-APR-2006 22:20:00; Bright; 37.5; 36; 50Alp UMa ; 1.80; 6300;occ; 75; 0;21383  
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22; 4833.9; 02-APR-2006 22:51:17; Dark ; 44.0; 61; 8Eps Peg ; 2.10; 3900;occ; 88; 0;21383  
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3; 6565.2; 02-APR-2006 23:20:09; Dark ; 39.0; 134; Bet TrA ; 2.81; 6600;occ; 78; 0;21383  
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5; 6891.2; 02-APR-2006 23:25:35; Dark ; 42.5; 78; Alp Lup ; 2.30; 28000;occ; 85; 0;21383  
6; 7058.4; 02-APR-2006 23:28:22; Dark ; 39.0; 64; Gam Cen ; 2.20; 10600;occ; 78; 0;21383  
7; 7148.7; 02-APR-2006 23:29:52; Dark ; 30.0; 54; 5The Cen ; 2.06; 4500;occ; 60; 0;21383  
8; 7214.3; 02-APR-2006 23:30:58; Dark ; 42.0; 123; Tot Cen ; 2.75; 10200;occ; 84; 0;21383



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12; 8194.1; 02-APR-2006 23:47:18; Bright; 37.5; 62; 94Bet Leo ; 2.14; 9700;occ; 75; 0;21383
13; 8293.0; 02-APR-2006 23:48:57; Bright; 35.0; 96; 68Del Leo ; 2.56; 9300;occ; 70; 0;21383
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3;-1600.0; 02-APR-2006 07:39:16; Bright; 43.0; 92; 53Eps Cyg ; 2.50; 4500;occ; 86; 0;21374
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5; -927.7; 02-APR-2006 07:50:28; Dark ; 43.0; 154; 22Bet Aqr ; 2.90; 5700;occ; 86; 0;21374
6; -300.6; 02-APR-2006 08:00:55; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;21374
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9; 682.4; 02-APR-2006 08:17:18; Dark ; 43.5; 4; Alp1Cen ;-0.01; 5800;occ; 87; 0;21375
10; 849.8; 02-APR-2006 08:20:06; Dark ; 42.5; 78; Alp Lup ; 2.30; 28000;occ; 85; 0;21375
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5; 587.2; 11-APR-2006 01:50:36; Dark ; 38.5; 134; Bet TrA ; 2.81; 6600;occ; 77; 0;21500  
6; 736.5; 11-APR-2006 01:53:05; Dark ; 51.5; 4; Alp1Cen ; -0.01; 5800;occ; 103; 0;21500  
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 5; 482.2; 13-APR-2006 22:33:25; Dark ; 39.5; 43; Alp TrA ; 1.91; 4250;occ; 79; 0;21541  
 6; 606.5; 13-APR-2006 22:35:29; Dark ; 38.5; 134; Bet TrA ; 2.81; 6600;occ; 77; 0;21541  
 7; 752.5; 13-APR-2006 22:37:55; Dark ; 47.0; 4; Alp1Cen ; -0.01; 5800;occ; 94; 0;21541  
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 9; 1036.3; 13-APR-2006 22:42:39; Dark ; 46.0; 81; Eta Cen ; 2.36; 28000;occ; 92; 0;21541  
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 22; 4888.5; 13-APR-2006 23:46:51; Dark ; 47.0; 61; 8Eps Peg ; 2.10; 3900;occ; 94; 0;21541  
 23; 5036.7; 13-APR-2006 23:49:20; Dark ; 44.0; 162; 34Alp Aqr ; 2.94; 5350;occ; 88; 0;21541  
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 22; 4889.0; 14-APR-2006 01:27:28; Dark ; 51.0; 61; 8Eps Peg ; 2.10; 3900;occ; 102; 0;21542  
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2; -1564.5; 14-APR-2006 06:22:18; Bright; 37.5; 164; 44Eta Peg ; 2.95; 5400;occ; 75; 0;21545  
3; -1145.5; 14-APR-2006 06:29:17; Dark ; 52.5; 61; 8Eps Peg ; 2.10; 3900;occ; 105; 0;21545  
4; -997.5; 14-APR-2006 06:31:45; Dark ; 43.0; 162; 34Alp Aqr ; 2.94; 5350;occ; 86; 0;21545  
5; -844.3; 14-APR-2006 06:34:18; Dark ; 47.0; 154; 22Bet Aqr ; 2.90; 5700;occ; 94; 0;21545  
6; -699.5; 14-APR-2006 06:36:43; Dark ; 40.5; 142; 49Del Cap ; 2.85; 8900;occ; 81; 0;21545  
7; -379.7; 14-APR-2006 06:42:03; Dark ; 38.5; 172; Gam Gru ; 3.00; 13100;occ; 77; 0;21545  
8; -84.5; 14-APR-2006 06:46:58; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;21545  
9; 39.9; 14-APR-2006 06:49:03; Dark ; 39.5; 45; Alp Pav ; 1.94; 26000;occ; 79; 0;21546  
10; 484.3; 14-APR-2006 06:56:27; Dark ; 47.5; 43; Alp TrA ; 1.91; 4250;occ; 95; 0;21546  
11; 608.6; 14-APR-2006 06:58:31; Dark ; 39.0; 134; Bet TrA ; 2.81; 6600;occ; 78; 0;21546  
12; 754.5; 14-APR-2006 07:00:57; Dark ; 51.5; 4; Alp1Cen ; -0.01; 5800;occ; 103; 0;21546  
13; 942.8; 14-APR-2006 07:04:05; Dark ; 41.0; 78; Alp Lup ; 2.30; 28000;occ; 82; 0;21546  
14; 1038.5; 14-APR-2006 07:05:41; Dark ; 43.0; 81; Eta Cen ; 2.36; 28000;occ; 86; 0;21546  
15; 1183.0; 14-APR-2006 07:08:06; Dark ; 43.0; 54; 5The Cen ; 2.06; 4500;occ; 86; 0;21546  
16; 1495.3; 14-APR-2006 07:13:18; Dark ; 40.0; 106; 9Bet Crv ; 2.65; 5600;occ; 80; 0;21546  
17; 1605.6; 14-APR-2006 07:15:08; Dark ; 42.0; 100; 4Gam Crv ; 2.58; 13100;occ; 84; 0;21546

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2; -3877.5; 14-APR-2006 07:24:21; Bright; 35.5; 62; 94Bet Leo ; 2.14; 9700;occ; 71; 0;21546  
3; -3439.9; 14-APR-2006 07:31:39; Bright; 37.0; 152; 12Alp2CVn ; 2.89; 11000;occ; 74; 0;21546  
4; -3214.4; 14-APR-2006 07:35:24; Bright; 35.5; 87; 64Gam UMA ; 2.43; 11000;occ; 71; 0;21546  
5; -3076.9; 14-APR-2006 07:37:42; Bright; 38.0; 36; 50Alp UMa ; 1.80; 6300;occ; 76; 0;21546  
6; -2756.1; 14-APR-2006 07:43:02; Bright; 38.5; 60; 7Bet UMi ; 2.08; 3950;occ; 77; 0;21546  
7; -2593.3; 14-APR-2006 07:45:45; Bright; 33.0; 49; 1Alp UMi ; 1.99; 6300;occ; 66; 0;21546  
8; -2153.2; 14-APR-2006 07:53:05; Bright; 37.5; 89; 5Alp Cep ; 2.45; 8000;occ; 75; 0;21546  
9; -1564.3; 14-APR-2006 08:02:54; Bright; 34.5; 164; 44Eta Peg ; 2.95; 5400;occ; 69; 0;21546  
10; -1145.0; 14-APR-2006 08:09:54; Dark ; 50.0; 61; 8Eps Peg ; 2.10; 3900;occ; 100; 0;21546  
11; -997.1; 14-APR-2006 08:12:22; Dark ; 45.0; 162; 34Alp Aqr ; 2.94; 5350;occ; 90; 0;21546  
12; -843.6; 14-APR-2006 08:14:55; Dark ; 45.5; 154; 22Bet Aqr ; 2.90; 5700;occ; 91; 0;21546  
13; -699.0; 14-APR-2006 08:17:20; Dark ; 41.0; 142; 49Del Cap ; 2.85; 8900;occ; 82; 0;21546  
14; -379.2; 14-APR-2006 08:22:39; Dark ; 39.5; 172; Gam Gru ; 3.00; 13100;occ; 79; 0;21546

15; -84.0; 14-APR-2006 08:27:35; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;21546  
 16; 40.4; 14-APR-2006 08:29:39; Dark ; 40.0; 45; Alp Pav ; 1.94; 26000;occ; 80; 0;21547  
 17; 484.8; 14-APR-2006 08:37:03; Dark ; 40.5; 43; Alp TrA ; 1.91; 4250;occ; 81; 0;21547  
 18; 609.1; 14-APR-2006 08:39:08; Dark ; 38.0; 134; Bet TrA ; 2.81; 6600;occ; 76; 0;21547  
 19; 754.9; 14-APR-2006 08:41:34; Dark ; 43.0; 4; Alp1Cen ;-0.01; 5800;occ; 86; 0;21547  
 20; 943.2; 14-APR-2006 08:44:42; Dark ; 41.0; 78; Alp Lup ; 2.30; 28000;occ; 82; 0;21547  
 21; 1039.1; 14-APR-2006 08:46:18; Dark ; 41.5; 81; Eta Cen ; 2.36; 28000;occ; 83; 0;21547  
 22; 1183.3; 14-APR-2006 08:48:42; Dark ; 51.0; 54; 5The Cen ; 2.06; 4500;occ; 102; 0;21547  
 23; 1495.5; 14-APR-2006 08:53:54; Dark ; 42.0; 106; 9Bet Crv ; 2.65; 5600;occ; 84; 0;21547  
 24; 1605.7; 14-APR-2006 08:55:44; Dark ; 37.5; 100; 4Gam Crv ; 2.58; 13100;occ; 75; 0;21547

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 2;-3877.4; 14-APR-2006 09:04:57; Bright; 36.0; 62; 94Bet Leo ; 2.14; 9700;occ; 72; 0;21547  
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 11; -996.6; 14-APR-2006 09:52:58; Dark ; 47.5; 162; 34Alp Aqr ; 2.94; 5350;occ; 95; 0;21547  
 12; -842.9; 14-APR-2006 09:55:32; Dark ; 43.5; 154; 22Bet Aqr ; 2.90; 5700;occ; 87; 0;21547  
 13; -698.5; 14-APR-2006 09:57:56; Dark ; 42.5; 142; 49Del Cap ; 2.85; 8900;occ; 85; 0;21547  
 14; -378.8; 14-APR-2006 10:03:16; Dark ; 37.0; 172; Gam Gru ; 3.00; 13100;occ; 74; 0;21547  
 15; -83.4; 14-APR-2006 10:08:11; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;21547  
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 17; 485.1; 14-APR-2006 10:17:40; Dark ; 39.5; 43; Alp TrA ; 1.91; 4250;occ; 79; 0;21548  
 18; 609.7; 14-APR-2006 10:19:44; Dark ; 39.5; 134; Bet TrA ; 2.81; 6600;occ; 79; 0;21548  
 19; 755.3; 14-APR-2006 10:22:10; Dark ; 43.5; 4; Alp1Cen ;-0.01; 5800;occ; 87; 0;21548  
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 22; 1183.7; 14-APR-2006 10:29:18; Dark ; 43.0; 54; 5The Cen ; 2.06; 4500;occ; 86; 0;21548  
 23; 1495.6; 14-APR-2006 10:34:30; Dark ; 42.0; 106; 9Bet Crv ; 2.65; 5600;occ; 84; 0;21548  
 24; 1605.8; 14-APR-2006 10:36:20; Dark ; 43.5; 100; 4Gam Crv ; 2.58; 13100;occ; 87; 0;21548

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 2;-4160.8; 14-APR-2006 10:40:50; Bright; 38.0; 121; 29Gam Vir ; 2.74; 7200;occ; 76; 0;21548  
 3;-3877.3; 14-APR-2006 10:45:33; Bright; 36.0; 62; 94Bet Leo ; 2.14; 9700;occ; 72; 0;21548  
 4;-3440.5; 14-APR-2006 10:52:50; Bright; 38.0; 152; 12Alp2CVn ; 2.89; 11000;occ; 76; 0;21548  
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 7;-2756.9; 14-APR-2006 11:04:14; Bright; 39.5; 60; 7Bet UMi ; 2.08; 3950;occ; 79; 0;21548  
 8;-2593.2; 14-APR-2006 11:06:57; Bright; 42.0; 49; 1Alp UMi ; 1.99; 6300;occ; 84; 0;21548  
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 11;-1144.2; 14-APR-2006 11:31:06; Dark ; 47.0; 61; 8Eps Peg ; 2.10; 3900;occ; 94; 0;21548  
 12; -996.2; 14-APR-2006 11:33:34; Dark ; 44.5; 162; 34Alp Aqr ; 2.94; 5350;occ; 89; 0;21548  
 13; -842.3; 14-APR-2006 11:36:08; Dark ; 47.0; 154; 22Bet Aqr ; 2.90; 5700;occ; 94; 0;21548  
 14; -697.9; 14-APR-2006 11:38:33; Dark ; 41.5; 142; 49Del Cap ; 2.85; 8900;occ; 83; 0;21548  
 15; -378.2; 14-APR-2006 11:43:52; Dark ; 39.0; 172; Gam Gru ; 3.00; 13100;occ; 78; 0;21548  
 16; -82.9; 14-APR-2006 11:48:48; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;21548  
 17; 41.4; 14-APR-2006 11:50:52; Dark ; 39.0; 45; Alp Pav ; 1.94; 26000;occ; 78; 0;21549  
 18; 485.6; 14-APR-2006 11:58:16; Dark ; 37.0; 43; Alp TrA ; 1.91; 4250;occ; 74; 0;21549  
 19; 610.2; 14-APR-2006 12:00:21; Dark ; 37.5; 134; Bet TrA ; 2.81; 6600;occ; 75; 0;21549  
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 22; 1040.1; 14-APR-2006 12:07:31; Dark ; 46.5; 81; Eta Cen ; 2.36; 28000;occ; 93; 0;21549  
 23; 1184.1; 14-APR-2006 12:09:55; Dark ; 51.0; 54; 5The Cen ; 2.06; 4500;occ; 102; 0;21549  
 24; 1495.9; 14-APR-2006 12:15:06; Dark ; 44.0; 106; 9Bet Crv ; 2.65; 5600;occ; 88; 0;21549  
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 3;-3877.1; 14-APR-2006 12:26:09; Bright; 35.0; 62; 94Bet Leo ; 2.14; 9700;occ; 70; 0;21549  
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 5;-3214.6; 14-APR-2006 12:37:12; Bright; 37.0; 87; 64Gam UMA ; 2.43; 11000;occ; 74; 0;21549  
 6;-3076.7; 14-APR-2006 12:39:30; Bright; 39.5; 36; 50Alp UMA ; 1.80; 6300;occ; 79; 0;21549

7;-2757.1; 14-APR-2006 12:44:49; Bright; 40.5; 60; 7Bet UMi ; 2.08; 3950;occ; 81; 0;21549  
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 11;-1143.8; 14-APR-2006 13:11:43; Dark ; 47.0; 61; 8Eps Peg ; 2.10; 3900;occ; 94; 0;21549  
 12; -995.8; 14-APR-2006 13:14:10; Dark ; 46.0; 162; 34Alp Aqr ; 2.94; 5350;occ; 92; 0;21549  
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 16; -82.4; 14-APR-2006 13:29:24; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;21549  
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 18; 486.0; 14-APR-2006 13:38:52; Dark ; 38.0; 43; Alp TrA ; 1.91; 4250;occ; 76; 0;21550  
 19; 610.7; 14-APR-2006 13:40:57; Dark ; 38.0; 134; Bet TrA ; 2.81; 6600;occ; 76; 0;21550  
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 21; 944.7; 14-APR-2006 13:46:31; Dark ; 42.0; 78; Alp Lup ; 2.30; 28000;occ; 84; 0;21550  
 22; 1040.5; 14-APR-2006 13:48:07; Dark ; 41.0; 81; Eta Cen ; 2.36; 28000;occ; 82; 0;21550  
 23; 1184.5; 14-APR-2006 13:50:31; Dark ; 49.0; 54; 5The Cen ; 2.06; 4500;occ; 98; 0;21550

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 3;-4160.9; 14-APR-2006 14:02:01; Bright; 37.5; 121; 29Gam Vir ; 2.74; 7200;occ; 75; 0;21550  
 4;-3930.5; 14-APR-2006 14:05:52; Bright; 34.0; 138; 47Eps Vir ; 2.83; 4700;occ; 68; 0;21550  
 5;-3441.1; 14-APR-2006 14:14:01; Bright; 37.0; 152; 12Alp2CVn ; 2.89; 11000;occ; 74; 0;21550  
 6;-3214.7; 14-APR-2006 14:17:48; Bright; 35.5; 87; 64Gam UMA ; 2.43; 11000;occ; 71; 0;21550  
 7;-3076.6; 14-APR-2006 14:20:06; Bright; 33.0; 36; 50Alp UMA ; 1.80; 6300;occ; 66; 0;21550  
 8;-2757.4; 14-APR-2006 14:25:25; Bright; 37.5; 60; 7Bet UMi ; 2.08; 3950;occ; 75; 0;21550  
 9;-2593.2; 14-APR-2006 14:28:09; Bright; 34.5; 49; 1Alp UMi ; 1.99; 6300;occ; 69; 0;21550  
 10;-2153.7; 14-APR-2006 14:35:29; Bright; 38.0; 89; 5Alp Cep ; 2.45; 8000;occ; 76; 0;21550  
 11;-1563.6; 14-APR-2006 14:45:19; Bright; 36.5; 164; 44Eta Peg ; 2.95; 5400;occ; 73; 0;21550  
 12;-1143.4; 14-APR-2006 14:52:19; Dark ; 35.0; 61; 8Eps Peg ; 2.10; 3900;occ; 70; 0;21550  
 13; -995.3; 14-APR-2006 14:54:47; Dark ; 40.5; 162; 34Alp Aqr ; 2.94; 5350;occ; 81; 0;21550  
 14; -841.2; 14-APR-2006 14:57:21; Dark ; 44.0; 154; 22Bet Aqr ; 2.90; 5700;occ; 88; 0;21550  
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 17; -81.8; 14-APR-2006 15:10:00; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;21550  
 18; 486.4; 14-APR-2006 15:19:29; Dark ; 37.0; 43; Alp TrA ; 1.91; 4250;occ; 74; 0;21551  
 19; 611.2; 14-APR-2006 15:21:33; Dark ; 38.5; 134; Bet TrA ; 2.81; 6600;occ; 77; 0;21551  
 20; 756.4; 14-APR-2006 15:23:59; Dark ; 40.0; 4; Alp1Cen ;-0.01; 5800;occ; 80; 0;21551  
 21; 945.1; 14-APR-2006 15:27:07; Dark ; 41.5; 78; Alp Lup ; 2.30; 28000;occ; 83; 0;21551  
 22; 1041.1; 14-APR-2006 15:28:43; Dark ; 43.0; 81; Eta Cen ; 2.36; 28000;occ; 86; 0;21551  
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 3;-4429.6; 14-APR-2006 15:38:09; Dark ; 47.0; 100; 4Gam Crv ; 2.58; 13100;occ; 94; 0;21551  
 4;-4160.6; 14-APR-2006 15:42:38; Bright; 38.0; 121; 29Gam Vir ; 2.74; 7200;occ; 76; 0;21551  
 5;-3930.6; 14-APR-2006 15:46:28; Bright; 34.0; 138; 47Eps Vir ; 2.83; 4700;occ; 68; 0;21551  
 6;-3441.5; 14-APR-2006 15:54:37; Bright; 37.0; 152; 12Alp2CVn ; 2.89; 11000;occ; 74; 0;21551  
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 12;-1563.5; 14-APR-2006 16:25:55; Bright; 36.0; 164; 44Eta Peg ; 2.95; 5400;occ; 72; 0;21551  
 13;-1143.0; 14-APR-2006 16:32:55; Dark ; 35.0; 61; 8Eps Peg ; 2.10; 3900;occ; 70; 0;21551  
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 6; -435.5; 22-APR-2006 04:08:49; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;21658  
 7; -323.2; 22-APR-2006 04:10:42; Dark ; 41.0; 172; Gam Gru ; 3.00; 13100;occ; 82; 0;21658  
 8; -211.5; 22-APR-2006 04:12:33; Dark ; 41.5; 31; Alp Gru ; 1.73; 15200;occ; 83; 0;21658  
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 10; 101.4; 22-APR-2006 04:17:46; Dark ; 43.5; 45; Alp Pav ; 1.94; 26000;occ; 87; 0;21659  
 11; 528.7; 22-APR-2006 04:24:54; Dark ; 50.0; 43; Alp TrA ; 1.91; 4250;occ; 100; 0;21659  
 12; 657.8; 22-APR-2006 04:27:03; Dark ; 38.0; 134; Bet TrA ; 2.81; 6600;occ; 76; 0;21659  
 13; 793.8; 22-APR-2006 04:29:19; Dark ; 42.5; 4; Alp1Cen ; -0.01; 5800;occ; 85; 0;21659  
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 15; 1085.8; 22-APR-2006 04:34:11; Dark ; 44.0; 81; Eta Cen ; 2.36; 28000;occ; 88; 0;21659  
 16; 1220.2; 22-APR-2006 04:36:25; Dark ; 46.5; 54; 5The Cen ; 2.06; 4500;occ; 93; 0;21659  
 17; 1514.2; 22-APR-2006 04:41:19; Dark ; 43.0; 106; 9Bet Crv ; 2.65; 5600;occ; 86; 0;21659  
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 19; 1880.5; 22-APR-2006 04:47:25; Bright; 36.0; 121; 29Gam Vir ; 2.74; 7200;occ; 72; 0;21659  
 20; 2093.9; 22-APR-2006 04:50:59; Bright; 37.0; 138; 47Eps Vir ; 2.83; 4700;occ; 74; 0;21659  
 21; 2569.9; 22-APR-2006 04:58:55; Bright; 36.0; 152; 12Alp2CVn ; 2.89; 11000;occ; 72; 0;21659  
 22; 2690.0; 22-APR-2006 05:00:55; Bright; 34.5; 174; 52Psi UMa ; 3.00; 4400;occ; 69; 0;21659  
 23; 2820.0; 22-APR-2006 05:03:05; Bright; 34.0; 87; 64Gam UMa ; 2.43; 11000;occ; 68; 0;21659  
 24; 2970.9; 22-APR-2006 05:05:36; Bright; 37.5; 36; 50Alp UMa ; 1.80; 6300;occ; 75; 0;21659  
 25; 3442.9; 22-APR-2006 05:13:28; Bright; 35.0; 49; 1Alp UMi ; 1.99; 6300;occ; 70; 0;21659

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 3;-1547.5; 22-APR-2006 05:30:53; Bright; 38.5; 164; 44Eta Peg ; 2.95; 5400;occ; 77; 0;21659  
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 9; -31.0; 22-APR-2006 05:56:10; Dark ; 39.5; 148; Alp Tuc ; 2.88; 4100;occ; 79; 0;21659  
 10; 102.0; 22-APR-2006 05:58:23; Dark ; 39.5; 45; Alp Pav ; 1.94; 26000;occ; 79; 0;21660  
 11; 529.1; 22-APR-2006 06:05:30; Dark ; 46.5; 43; Alp TrA ; 1.91; 4250;occ; 93; 0;21660  
 12; 658.3; 22-APR-2006 06:07:39; Dark ; 38.5; 134; Bet TrA ; 2.81; 6600;occ; 77; 0;21660  
 13; 794.1; 22-APR-2006 06:09:55; Dark ; 47.0; 4; Alp1Cen ; -0.01; 5800;occ; 94; 0;21660  
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 15; 1086.2; 22-APR-2006 06:14:47; Dark ; 41.0; 81; Eta Cen ; 2.36; 28000;occ; 82; 0;21660  
 16; 1220.5; 22-APR-2006 06:17:01; Dark ; 46.0; 54; 5The Cen ; 2.06; 4500;occ; 92; 0;21660  
 17; 1514.4; 22-APR-2006 06:21:55; Dark ; 39.5; 106; 9Bet Crv ; 2.65; 5600;occ; 79; 0;21660  
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 19; 1880.6; 22-APR-2006 06:28:01; Bright; 35.5; 121; 29Gam Vir ; 2.74; 7200;occ; 71; 0;21660  
 20; 2093.9; 22-APR-2006 06:31:35; Bright; 37.0; 138; 47Eps Vir ; 2.83; 4700;occ; 74; 0;21660  
 21; 2569.8; 22-APR-2006 06:39:31; Bright; 35.5; 152; 12Alp2CVn ; 2.89; 11000;occ; 71; 0;21660  
 22; 2690.2; 22-APR-2006 06:41:31; Bright; 37.0; 174; 52Psi UMa ; 3.00; 4400;occ; 74; 0;21660  
 23; 2820.0; 22-APR-2006 06:43:41; Bright; 34.0; 87; 64Gam UMa ; 2.43; 11000;occ; 68; 0;21660  
 24; 2971.0; 22-APR-2006 06:46:12; Bright; 36.0; 36; 50Alp UMa ; 1.80; 6300;occ; 72; 0;21660  
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 2; 1089.7; 22-APR-2006 19:39:38; Dark ; 44.5; 81; Eta Cen ; 2.36; 28000;occ; 89; 0;21668  
 3; 1223.4; 22-APR-2006 19:41:51; Dark ; 44.5; 54; 5The Cen ; 2.06; 4500;occ; 89; 0;21668  
 4; 1492.1; 22-APR-2006 19:46:20; Dark ; 40.0; 169; 46Gam Hya ; 2.99; 4700;occ; 80; 0;21668

5; 1699.7; 22-APR-2006 19:49:48; Bright; 41.0; 15; 67Alp Vir ; 0.98; 28000;occ; 82; 0;21668  
6; 1881.8; 22-APR-2006 19:52:50; Bright; 36.0; 121; 29Gam Vir ; 2.74; 7200;occ; 72; 0;21668  
7; 2093.9; 22-APR-2006 19:56:22; Bright; 37.0; 138; 47Eps Vir ; 2.83; 4700;occ; 74; 0;21668  
8; 2569.1; 22-APR-2006 20:04:17; Bright; 37.0; 152; 12Alp2CVn ; 2.89; 11000;occ; 74; 0;21668  
9; 2821.0; 22-APR-2006 20:08:29; Bright; 34.5; 87; 64Gam UMA ; 2.43; 11000;occ; 69; 0;21668  
10; 2972.7; 22-APR-2006 20:11:01; Bright; 36.0; 36; 50Alp UMa ; 1.80; 6300;occ; 72; 0;21668  
11; 3443.6; 22-APR-2006 20:18:51; Bright; 35.5; 49; 1Alp UMi ; 1.99; 6300;occ; 71; 0;21668  
12; 3908.2; 22-APR-2006 20:26:36; Bright; 32.5; 76; 27Gam Cas ; 2.30; 30000;occ; 65; 0;21668  
13; 3985.6; 22-APR-2006 20:27:53; Bright; 32.5; 68; 18Alp Cas ; 2.22; 4500;occ; 65; 0;21668  
14; 4490.3; 22-APR-2006 20:36:18; Bright; 38.5; 164; 44Eta Peg ; 2.95; 5400;occ; 77; 0;21668  
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5; -28.6; 22-APR-2006 21:01:36; Dark ; 42.5; 148; Alp Tuc ; 2.88; 4100;occ; 85; 0;21668  
6; 107.2; 22-APR-2006 21:03:52; Dark ; 39.5; 45; Alp Pav ; 1.94; 26000;occ; 79; 0;21669  
7; 532.5; 22-APR-2006 21:10:57; Dark ; 43.0; 43; Alp TrA ; 1.91; 4250;occ; 86; 0;21669  
8; 661.9; 22-APR-2006 21:13:06; Dark ; 37.5; 134; Bet TrA ; 2.81; 6600;occ; 75; 0;21669  
9; 796.9; 22-APR-2006 21:15:21; Dark ; 49.5; 4; Alp1Cen ; -0.01; 5800;occ; 99; 0;21669  
10; 995.1; 22-APR-2006 21:18:39; Dark ; 44.0; 78; Alp Lup ; 2.30; 28000;occ; 88; 0;21669  
11; 1089.4; 22-APR-2006 21:20:14; Dark ; 44.0; 81; Eta Cen ; 2.36; 28000;occ; 88; 0;21669  
12; 1223.1; 22-APR-2006 21:22:27; Dark ; 42.0; 54; 5The Cen ; 2.06; 4500;occ; 84; 0;21669  
13; 1491.7; 22-APR-2006 21:26:56; Dark ; 41.5; 169; 46Gam Hya ; 2.99; 4700;occ; 83; 0;21669  
14; 1699.2; 22-APR-2006 21:30:24; Bright; 38.0; 15; 67Alp Vir ; 0.98; 28000;occ; 76; 0;21669  
15; 1881.2; 22-APR-2006 21:33:26; Bright; 36.0; 121; 29Gam Vir ; 2.74; 7200;occ; 72; 0;21669  
16; 2093.3; 22-APR-2006 21:36:58; Bright; 36.5; 138; 47Eps Vir ; 2.83; 4700;occ; 73; 0;21669  
17; 2568.3; 22-APR-2006 21:44:53; Bright; 37.0; 152; 12Alp2CVn ; 2.89; 11000;occ; 74; 0;21669  
18; 2820.4; 22-APR-2006 21:49:05; Bright; 35.0; 87; 64Gam UMA ; 2.43; 11000;occ; 70; 0;21669  
19; 2972.2; 22-APR-2006 21:51:37; Bright; 37.5; 36; 50Alp UMa ; 1.80; 6300;occ; 75; 0;21669  
20; 3443.0; 22-APR-2006 21:59:27; Bright; 36.0; 49; 1Alp UMi ; 1.99; 6300;occ; 72; 0;21669  
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22; 3985.0; 22-APR-2006 22:08:29; Bright; 32.5; 68; 18Alp Cas ; 2.22; 4500;occ; 65; 0;21669  
23; 4489.7; 22-APR-2006 22:16:54; Bright; 39.5; 164; 44Eta Peg ; 2.95; 5400;occ; 79; 0;21669  
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5; 6007.6; 22-APR-2006 22:42:12; Dark ; 39.0; 148; Alp Tuc ; 2.88; 4100;occ; 78; 0;21669  
6; 6143.6; 22-APR-2006 22:44:28; Dark ; 39.5; 45; Alp Pav ; 1.94; 26000;occ; 79; 0;21669  
7; 6568.7; 22-APR-2006 22:51:33; Dark ; 40.0; 43; Alp TrA ; 1.91; 4250;occ; 80; 0;21669  
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9; 6833.1; 22-APR-2006 22:55:57; Dark ; 52.0; 4; Alp1Cen ; -0.01; 5800;occ; 104; 0;21669  
10; 7031.3; 22-APR-2006 22:59:16; Dark ; 41.0; 78; Alp Lup ; 2.30; 28000;occ; 82; 0;21669  
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12; 7259.2; 22-APR-2006 23:03:04; Dark ; 45.0; 54; 5The Cen ; 2.06; 4500;occ; 90; 0;21669  
13; 7527.8; 22-APR-2006 23:07:32; Dark ; 41.5; 169; 46Gam Hya ; 2.99; 4700;occ; 83; 0;21669  
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19; 9008.2; 22-APR-2006 23:32:13; Bright; 35.0; 36; 50Alp UMa ; 1.80; 6300;occ; 70; 0;21669  
20; 9479.0; 22-APR-2006 23:40:03; Bright; 35.5; 49; 1Alp UMi ; 1.99; 6300;occ; 71; 0;21669  
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23;10525.8; 22-APR-2006 23:57:30; Bright; 37.0; 164; 44Eta Peg ; 2.95; 5400;occ; 74; 0;21669  
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 10; 103.1; 22-APR-2006 07:38:59; Dark ; 39.5; 45; Alp Pav ; 1.94; 26000;occ; 79; 0;21661  
 11; 530.0; 22-APR-2006 07:46:06; Dark ; 44.5; 43; Alp TrA ; 1.91; 4250;occ; 89; 0;21661  
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 21; 6830.7; 22-APR-2006 09:31:07; Dark ; 41.5; 4; Alp1Cen ;-0.01; 5800;occ; 83; 0;21661  
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 23; 7122.8; 22-APR-2006 09:36:00; Dark ; 40.5; 81; Eta Cen ; 2.36; 28000;occ; 81; 0;21661  
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 20; 3234.7; 26-APR-2006 01:22:56; Bright; 39.0; 60; 7Bet UMi ; 2.08; 3950;occ; 78; 0;21714  
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 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  
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 9; 6847.2; 26-APR-2006 02:23:09; Dark ; 43.5; 4; Alp1Cen ; -0.01; 5800;occ; 87; 0;21714  
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 13; 7535.7; 26-APR-2006 02:34:37; Dark ; 44.0; 169; 46Gam Hya ; 2.99; 4700;occ; 88; 0;21714  
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 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  
 10; 6171.5; 26-APR-2006 03:52:29; Dark ; 39.5; 45; Alp Pav ; 1.94; 26000;occ; 79; 0;21715  
 11; 6586.5; 26-APR-2006 03:59:24; Dark ; 41.5; 43; Alp TrA ; 1.91; 4250;occ; 83; 0;21715  
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 8; 5851.0; 26-APR-2006 05:27:44; Dark ; 39.5; 31; Alp Gru ; 1.73; 15200;occ; 79; 0;21716  
 9; 6021.6; 26-APR-2006 05:30:35; Dark ; 39.5; 148; Alp Tuc ; 2.88; 4100;occ; 79; 0;21716  
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 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  
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 5; 1704.7; 26-APR-2006 21:04:38; Bright; 40.0; 15; 67Alp Vir ; 0.98; 28000;occ; 80; 0;21726  
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