

# GOMOS Daily Report 19-APR-2006

## Level 0 and Level 1 products

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## [Level 2 products](#)

### 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	21APR2006 04:33:44

Data source version	GOMOS/4.02
Start time of products	QDS_YESTERDAY(/START)-1D (19APR2006 00:00:00)
Stop time of products	QDS_YESTERDAY(/STOP)-1D (20APR2006 00:00:00)
Store outputs in DB	Yes
Nb of level 1b prods	50
Nb of prods with errors	0

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

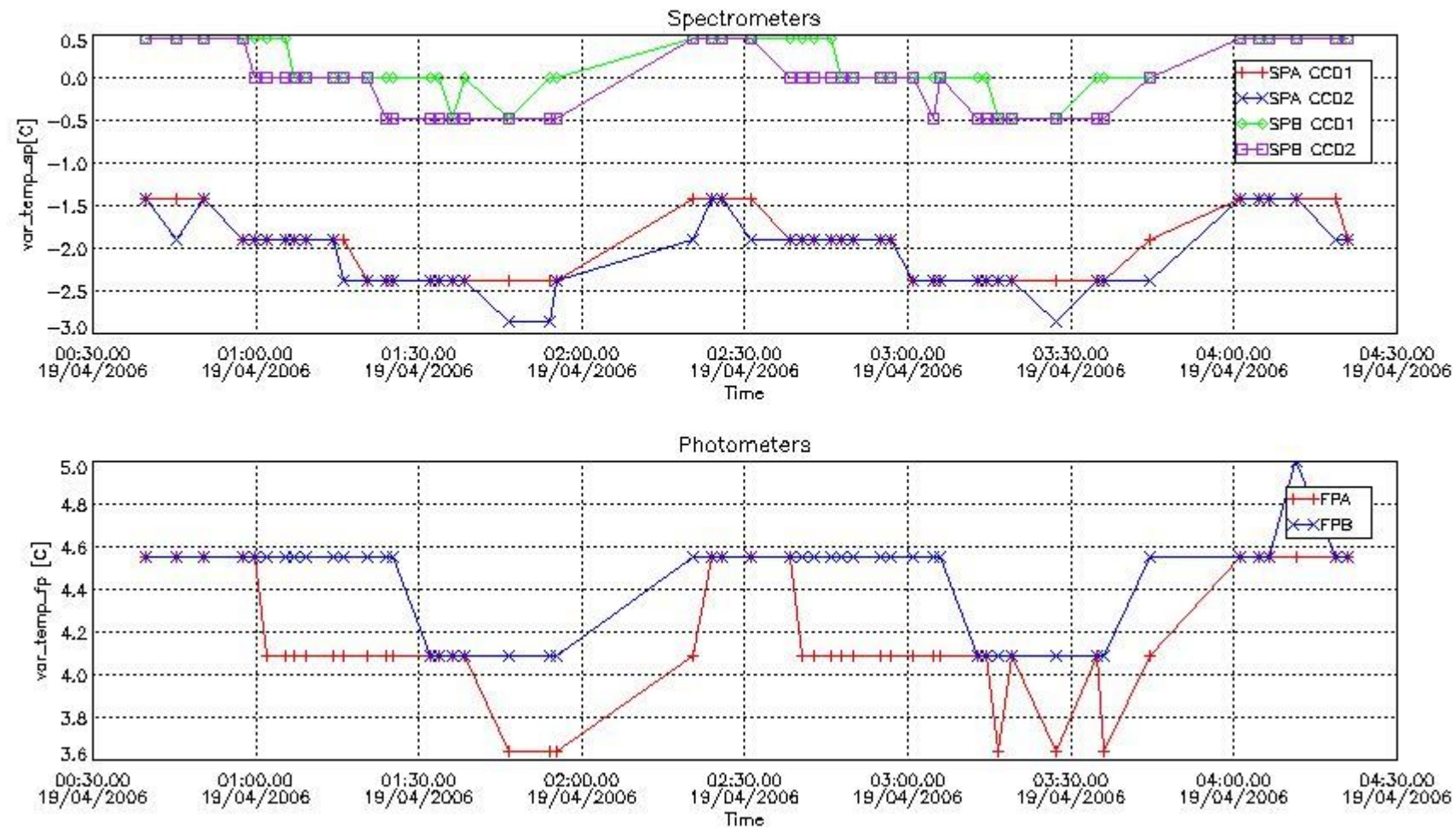
### 2.1 Level 0 products arrived in PCF (see template [here](#))

### 2.2 Summary of processed GOM\_TRA\_1P products

Nr	Filename	UTC Start time	Limb	Duration	Star Id	Star Name	Star Mag	Star Temp	Nb Meas	Orbit	Prod. error
1	GOM_TRA_1PNPDE20060419_003946_000000402047_00016_21613_0000.N1	19-APR-2006 00:39:46	Dark	39.500	18	24Alp PsA	1.1660	9700.0	79	21613	No
2	GOM_TRA_1PNPDE20060419_004518_000000442047_00016_21613_0001.N1	19-APR-2006 00:45:18	Dark	43.500	31	Alp Gru	1.7340	15200.	87	21613	No
3	GOM_TRA_1PNPDE20060419_005023_000000422047_00017_21614_0002.N1	19-APR-2006 00:50:23	Dark	41.500	45	Alp Pav	1.9400	26000.	83	21614	No
4	GOM_TRA_1PNPDE20060419_005738_000000422047_00017_21614_0003.N1	19-APR-2006 00:57:38	Dark	41.500	43	Alp TrA	1.9100	4250.0	83	21614	No
5	GOM_TRA_1PNPDE20060419_005946_000000412047_00017_21614_0004.N1	19-APR-2006 00:59:46	Dark	41.000	134	Bet TrA	2.8100	6600.0	82	21614	No
6	GOM_TRA_1PNPDE20060419_010206_000000512047_00017_21614_0005.N1	19-APR-2006 01:02:06	Dark	50.500	4	Alp1Cen	-0.010000	5800.0	101	21614	No
7	GOM_TRA_1PNPDE20060419_010520_000000422047_00017_21614_0006.N1	19-APR-2006 01:05:20	Twilight	41.500	78	Alp Lup	2.3040	28000.	83	21614	No
8	GOM_TRA_1PNPDE20060419_010706_000000402047_00017_21614_0007.N1	19-APR-2006 01:07:06	Bright	40.000	64	Gam Cen	2.2000	10600.	80	21614	No
9	GOM_TRA_1PNPDE20060419_010913_000000452047_00017_21614_0008.N1	19-APR-2006 01:09:13	Bright	44.500	54	5The Cen	2.0550	4500.0	89	21614	No
10	GOM_TRA_1PNPDE20060419_011414_000000412047_00017_21614_0009.N1	19-APR-2006 01:14:14	Bright	41.000	106	9Bet Crv	2.6480	5600.0	82	21614	No
11	GOM_TRA_1PNPDE20060419_011612_000000372047_00017_21614_0010.N1	19-APR-2006 01:16:12	Bright	36.500	163	7Del Crv	2.9450	11000.	73	21614	No
12	GOM_TRA_1PNPDE20060419_012025_000000382047_00017_21614_0011.N1	19-APR-2006 01:20:25	Bright	37.500	121	29Gam Vir	2.7400	7200.0	75	21614	No
13	GOM_TRA_1PNPDE20060419_012404_000000292047_00017_21614_0012.N1	19-APR-2006 01:24:04	Bright	29.000	138	47Eps Vir	2.8280	4700.0	58	21614	No
14	GOM_TRA_1PNPDE20060419_012512_000000352047_00017_21614_0013.N1	19-APR-2006 01:25:12	Bright	35.000	62	94Bet Leo	2.1360	9700.0	70	21614	No
15	GOM_TRA_1PNPDE20060419_013205_000000352047_00017_21614_0014.N1	19-APR-2006 01:32:05	Bright	35.000	152	12Alp2CVn	2.8900	11000.	70	21614	No
16	GOM_TRA_1PNPDE20060419_013348_000000342047_00017_21614_0015.N1	19-APR-2006 01:33:48	Bright	33.500	174	52Psi UMa	3.0040	4400.0	67	21614	No
17	GOM_TRA_1PNPDE20060419_013606_000000342047_00017_21614_0016.N1	19-APR-2006 01:36:06	Bright	33.500	87	64Gam UMa	2.4330	11000.	67	21614	No
18	GOM_TRA_1PNPDE20060419_013832_000000332047_00017_21614_0017.N1	19-APR-2006 01:38:32	Bright	32.500	36	50Alp UMa	1.8000	6300.0	65	21614	No
19	GOM_TRA_1PNPDE20060419_014630_000000362047_00017_21614_0018.N1	19-APR-2006 01:46:30	Bright	36.000	49	1Alp UMi	1.9900	6300.0	72	21614	No
20	GOM_TRA_1PNPDE20060419_015406_000000352047_00017_21614_0019.N1	19-APR-2006 01:54:06	Bright	35.000	76	27Gam Cas	2.3000	30000.	70	21614	No
21	GOM_TRA_1PNPDE20060419_015524_000000352047_00017_21614_0020.N1	19-APR-2006 01:55:24	Bright	34.500	68	18Alp Cas	2.2250	4500.0	69	21614	No
22	GOM_TRA_1PNPDE20060419_022022_000000422047_00017_21614_0000.N1	19-APR-2006 02:20:22	Dark	42.000	18	24Alp PsA	1.1660	9700.0	84	21614	No
23	GOM_TRA_1PNPDE20060419_022356_000000402047_00017_21614_0001.N1	19-APR-2006 02:23:56	Dark	39.500	172	Gam Gru	3.0030	13100.	79	21614	No
24	GOM_TRA_1PNPDE20060419_022554_000000412047_00017_21614_0002.N1	19-APR-2006 02:25:54	Dark	41.000	31	Alp Gru	1.7340	15200.	82	21614	No
25	GOM_TRA_1PNPDE20060419_023100_000000402047_00018_21615_0003.N1	19-APR-2006 02:31:00	Dark	40.000	45	Alp Pav	1.9400	26000.	80	21615	No
26	GOM_TRA_1PNPDE20060419_023815_000000412047_00018_21615_0004.N1	19-APR-2006 02:38:15	Dark	41.000	43	Alp TrA	1.9100	4250.0	82	21615	No
27	GOM_TRA_1PNPDE20060419_024022_000000402047_00018_21615_0005.N1	19-APR-2006 02:40:22	Dark	39.500	134	Bet TrA	2.8100	6600.0	79	21615	No
28	GOM_TRA_1PNPDE20060419_024242_000000452047_00018_21615_0006.N1	19-APR-2006 02:42:42	Dark	45.000	4	Alp1Cen	-0.010000	5800.0	90	21615	No
29	GOM_TRA_1PNPDE20060419_024557_000000402047_00018_21615_0007.N1	19-APR-2006 02:45:57	Twilight	40.000	78	Alp Lup	2.3040	28000.	80	21615	No
30	GOM_TRA_1PNPDE20060419_024742_000000382047_00018_21615_0008.N1	19-APR-2006 02:47:42	Bright	37.500	64	Gam Cen	2.2000	10600.	75	21615	No
31	GOM_TRA_1PNPDE20060419_024950_000000452047_00018_21615_0009.N1	19-APR-2006 02:49:50	Bright	45.000	54	5The Cen	2.0550	4500.0	90	21615	No
32	GOM_TRA_1PNPDE20060419_025450_000000442047_00018_21615_0010.N1	19-APR-2006 02:54:50	Bright	44.000	106	9Bet Crv	2.6480	5600.0	88	21615	No
33	GOM_TRA_1PNPDE20060419_025648_000000352047_00018_21615_0011.N1	19-APR-2006 02:56:48	Bright	35.000	163	7Del Crv	2.9450	11000.	70	21615	No
34	GOM_TRA_1PNPDE20060419_030101_000000382047_00018_21615_0012.N1	19-APR-2006 03:01:01	Bright	38.000	121	29Gam Vir	2.7400	7200.0	76	21615	No
35	GOM_TRA_1PNPDE20060419_030440_000000292047_00018_21615_0013.N1	19-APR-2006 03:04:40	Bright	29.000	138	47Eps Vir	2.8280	4700.0	58	21615	No
36	GOM_TRA_1PNPDE20060419_030548_000000362047_00018_21615_0014.N1	19-APR-2006 03:05:48	Bright	35.500	62	94Bet Leo	2.1360	9700.0	71	21615	No
37	GOM_TRA_1PNPDE20060419_031241_000000352047_00018_21615_0015.N1	19-APR-2006 03:12:41	Bright	35.000	152	12Alp2CVn	2.8900	11000.	70	21615	No
38	GOM_TRA_1PNPDE20060419_031424_000000362047_00018_21615_0016.N1	19-APR-2006 03:14:24	Bright	35.500	174	52Psi UMa	3.0040	4400.0	71	21615	No
39	GOM_TRA_1PNPDE20060419_031642_000000352047_00018_21615_0017.N1	19-APR-2006 03:16:42	Bright	34.500	87	64Gam UMa	2.4330	11000.	69	21615	No
40	GOM_TRA_1PNPDE20060419_031908_000000332047_00018_21615_0018.N1	19-APR-2006 03:19:08	Bright	33.000	36	50Alp UMa	1.8000	6300.0	66	21615	No
41	GOM_TRA_1PNPDE20060419_032706_000000362047_00018_21615_0019.N1	19-APR-2006 03:27:06	Bright	35.500	49	1Alp UMi	1.9900	6300.0	71	21615	No
42	GOM_TRA_1PNPDE20060419_033442_000000342047_00018_21615_0000.N1	19-APR-2006 03:34:42	Bright	33.500	76	27Gam Cas	2.3000	30000.	67	21615	No
43	GOM_TRA_1PNPDE20060419_033600_000000352047_00018_21615_0001.N1	19-APR-2006 03:36:00	Bright	34.500	68	18Alp Cas	2.2250	4500.0	69	21615	No
44	GOM_TRA_1PNPDE20060419_034425_000000392047_00018_21615_0002.N1	19-APR-2006 03:44:25	Twilight	38.500	164	44Eta Peg	2.9480	5400.0	77	21615	No
45	GOM_TRA_1PNPDE20060419_040059_000000442047_00018_21615_0003.N1	19-APR-2006 04:00:59	Dark	43.500	18	24Alp PsA	1.1660	9700.0	87	21615	No
46	GOM_TRA_1PNPDE20060419_040433_000000392047_00018_21615_0004.N1	19-APR-2006 04:04:33	Dark	38.500	172	Gam Gru	3.0030	13100.	77	21615	No

47	GOM_TRA_1PNPDE20060419_040630_000000392047_00018_21615_0005.N1	19-APR-2006 04:06:30	Dark	39.000	31	Alp Gru	1.7340	15200.	78	21615	No
48	GOM_TRA_1PNPDE20060419_041136_000000382047_00019_21616_0006.N1	19-APR-2006 04:11:36	Dark	38.000	45	Alp Pav	1.9400	26000.	76	21616	No
49	GOM_TRA_1PNPDE20060419_041851_000000422047_00019_21616_0007.N1	19-APR-2006 04:18:51	Dark	41.500	43	Alp TrA	1.9100	4250.0	83	21616	No
50	GOM_TRA_1PNPDE20060419_042059_000000382047_00019_21616_0008.N1	19-APR-2006 04:20:59	Dark	38.000	134	Bet TrA	2.8100	6600.0	76	21616	No

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



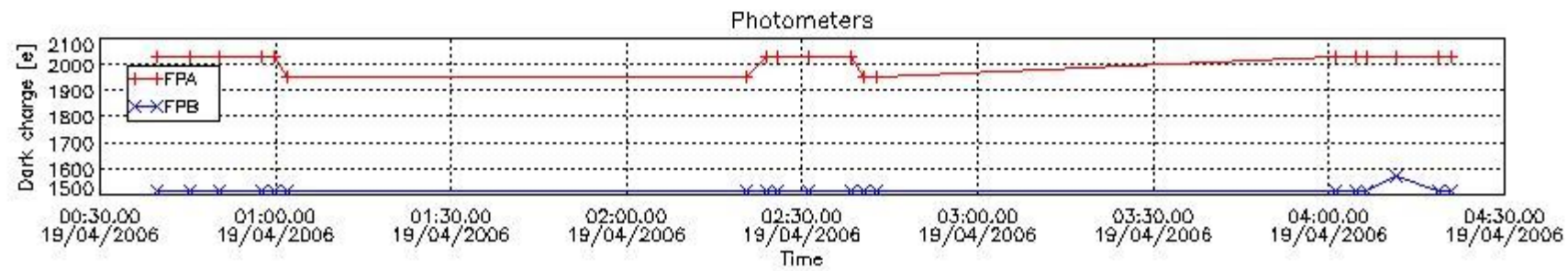
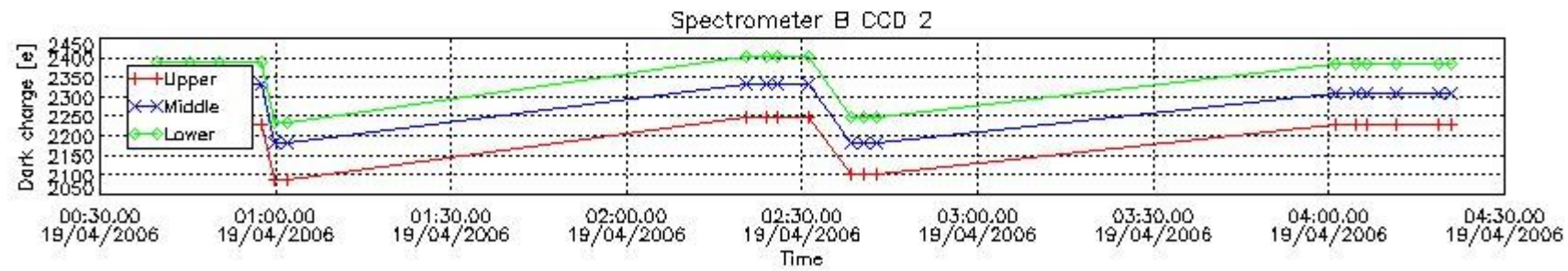
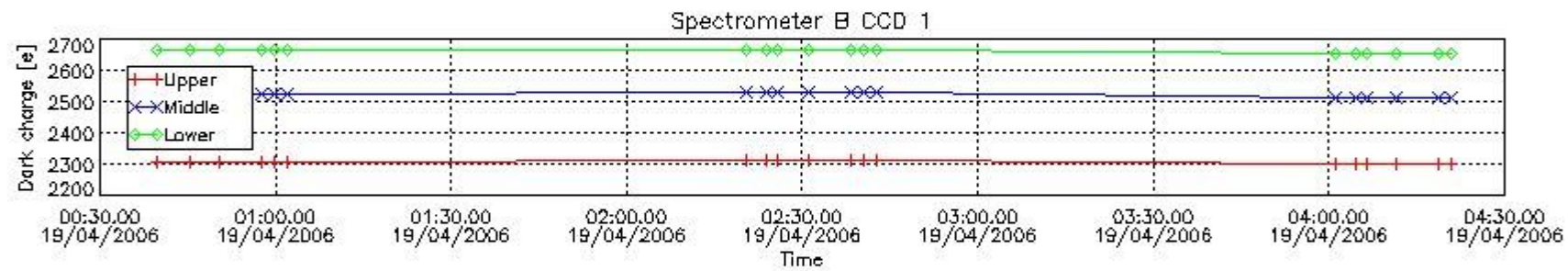
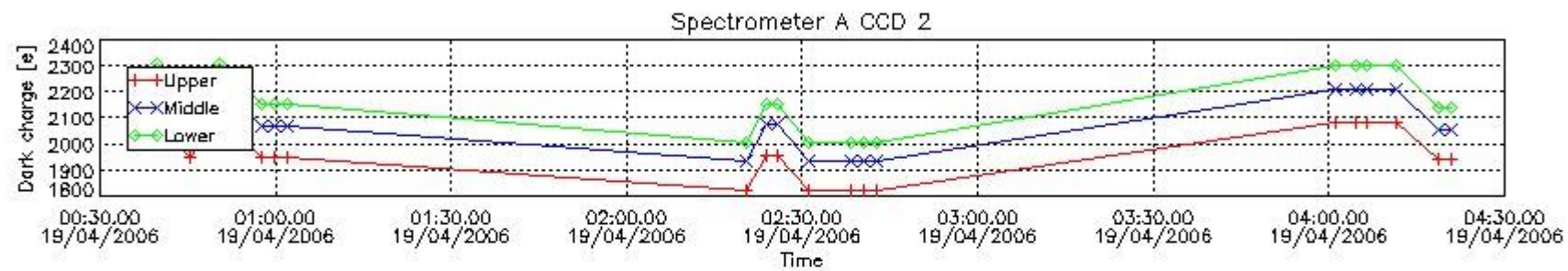
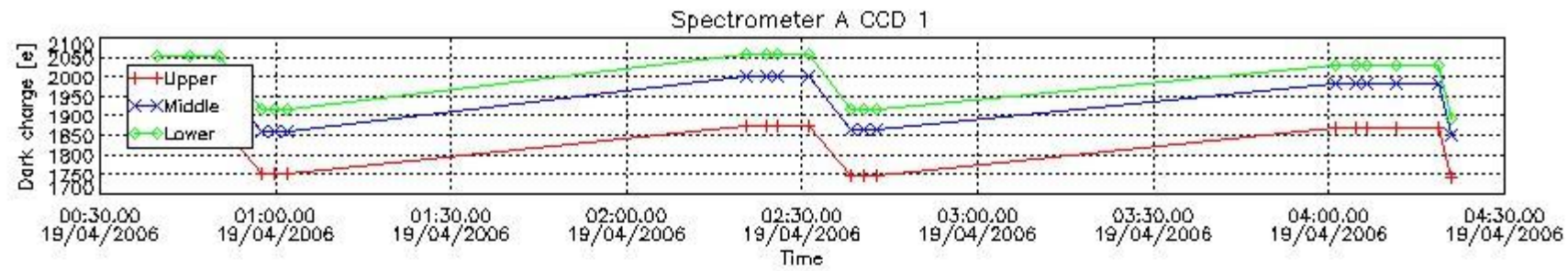
### 4. Overview of dark signal processing per product

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



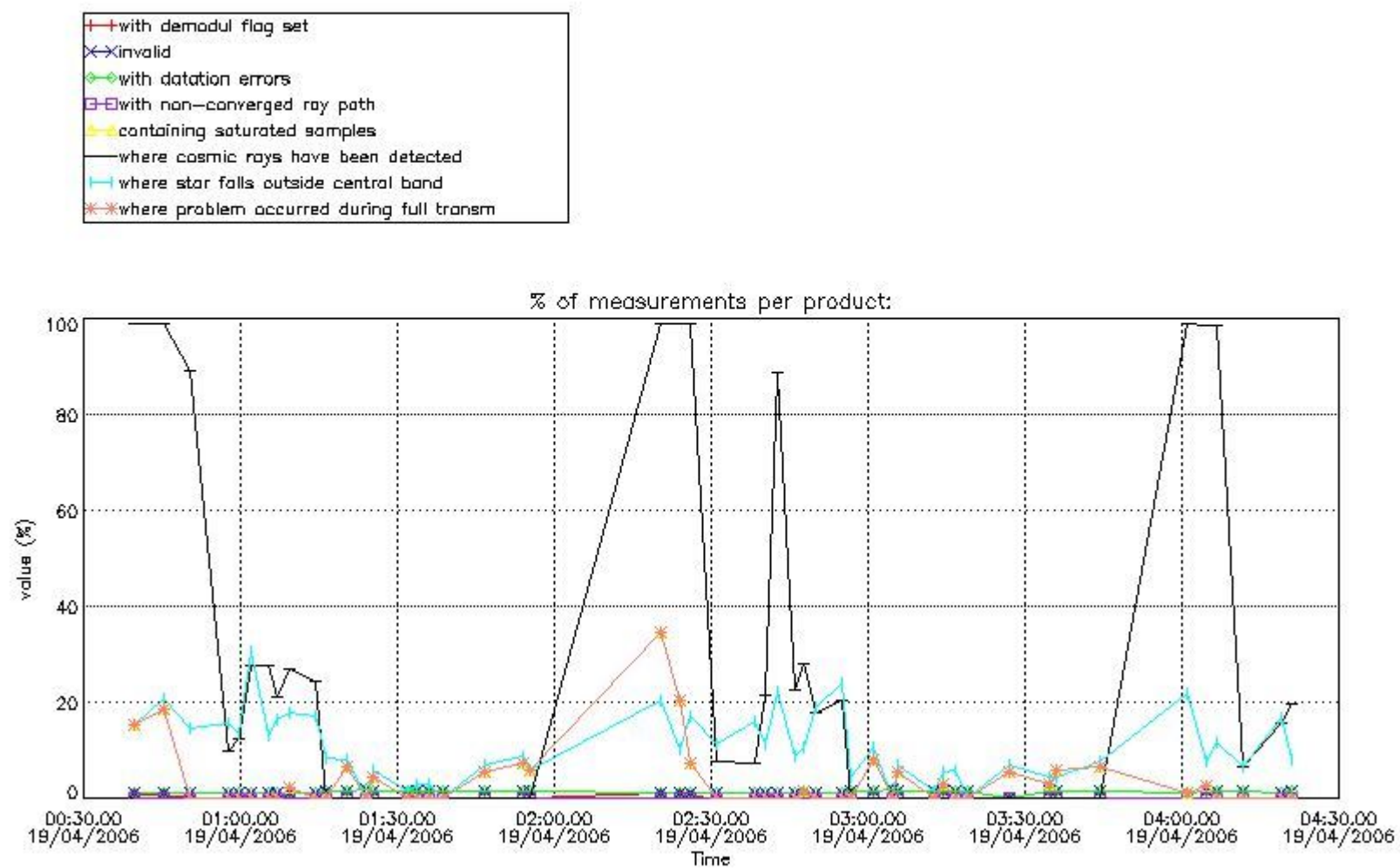
## 5. Demodulation flag and quality information monitoring

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.

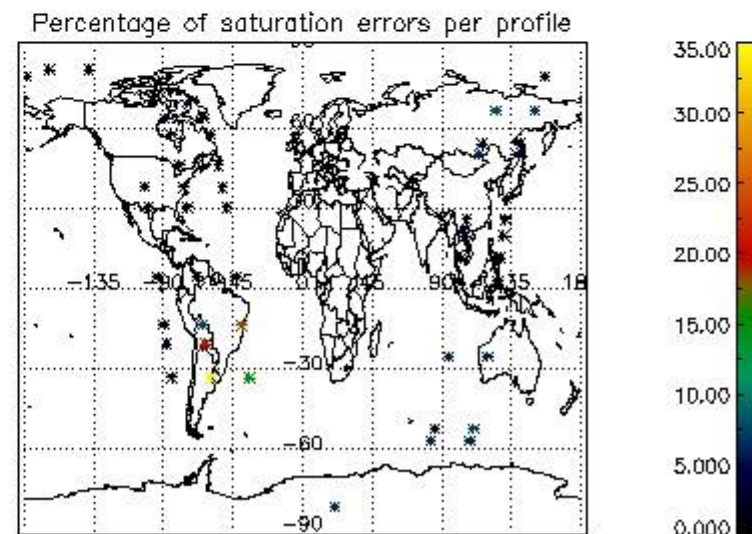
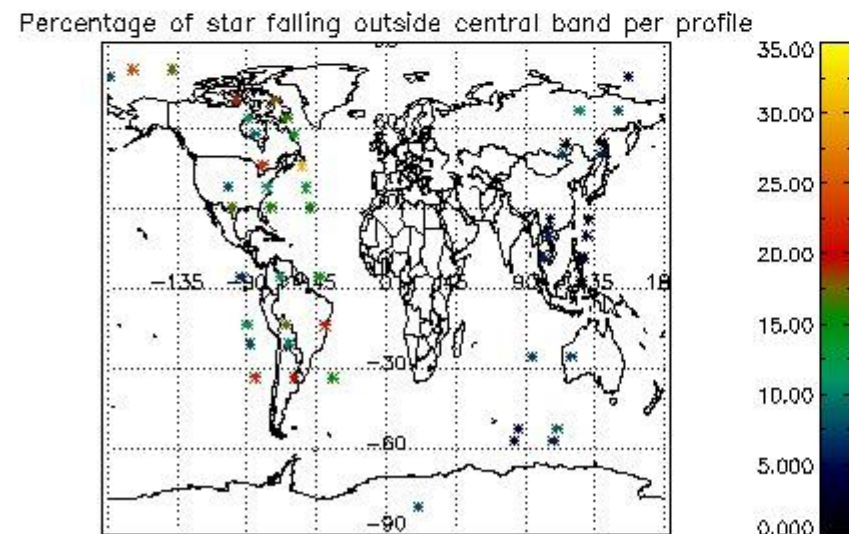
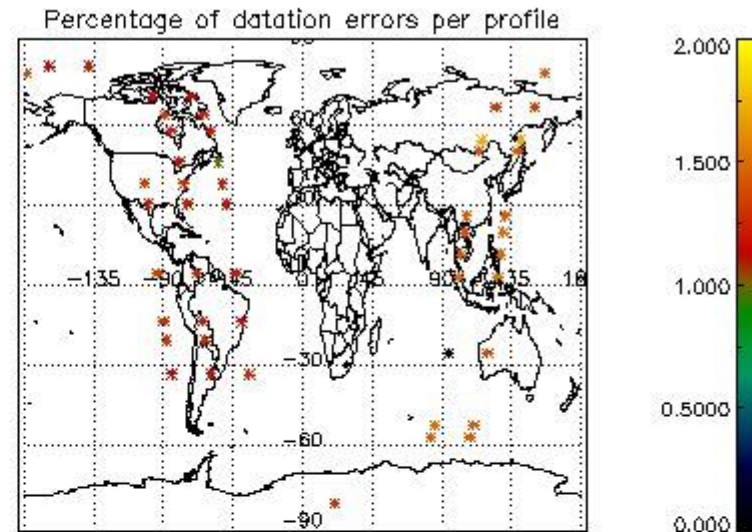
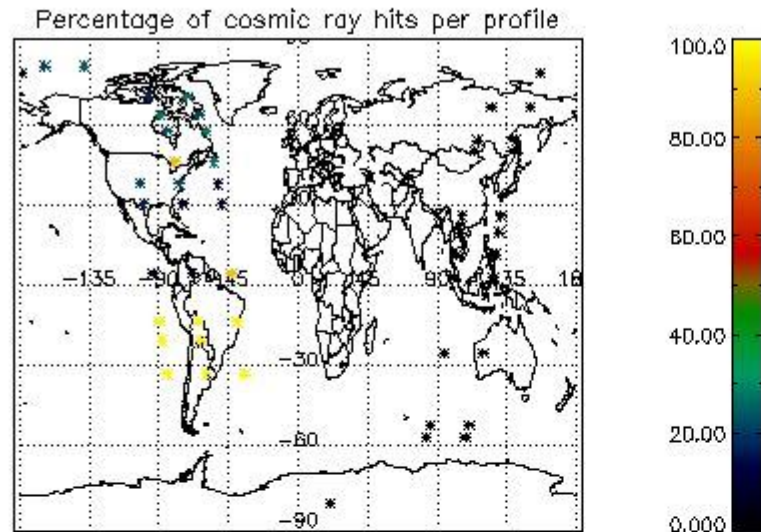
### 5.1 Percentage of products during reporting period with:

At least one measurement with demodulation flag set:	18.0000 %
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)



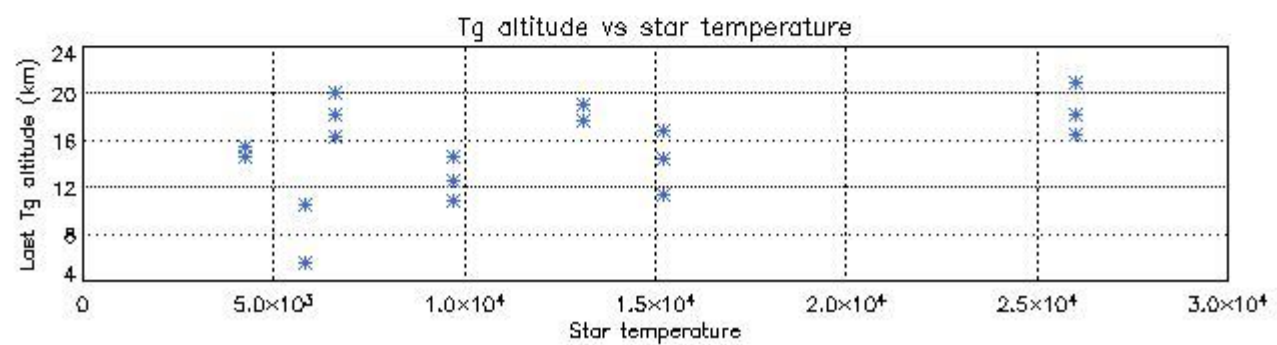
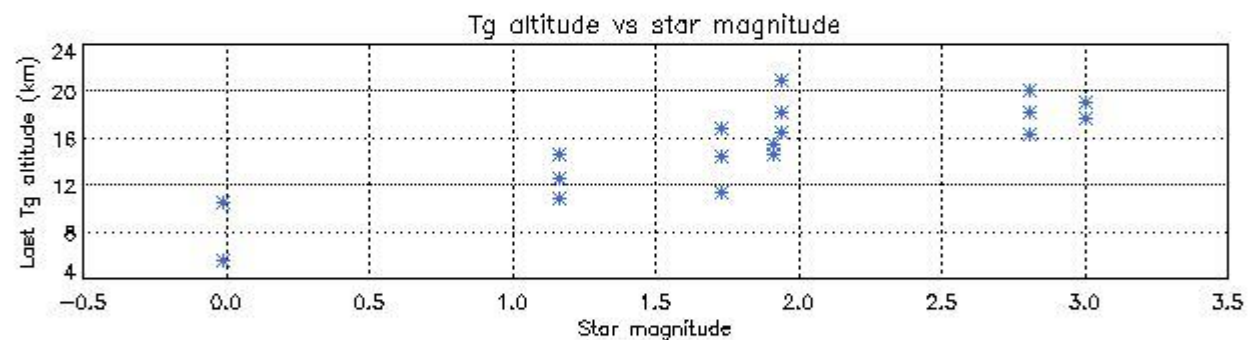
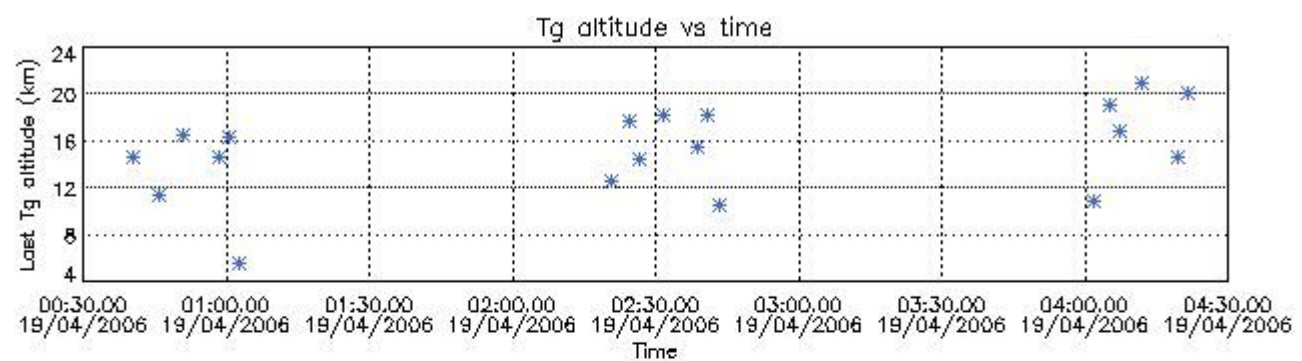
## 6. Statistics and plot of tangent altitude of the last measurement (DARK & BRIGHT products without errors)

### 6.1 Statistics on tangent altitude lost:

Statistics	DARK	BRIGHT	TWILIGHT
Mean:	15.165	22.227	18.244
St. deviation:	3.8190	7.6230	1.1438
Maximum:	21.006	44.035	19.005
Minimum:	5.5088	10.351	16.929
Number of data:	19.000	28.000	3.0000

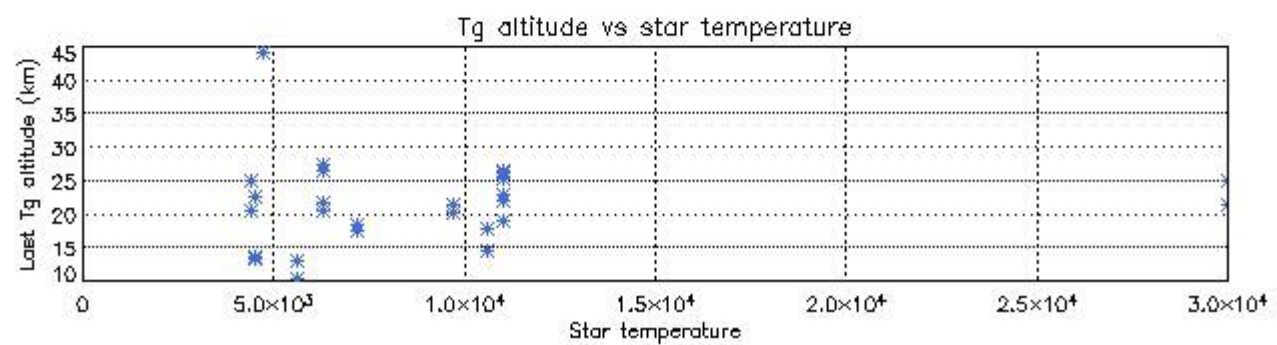
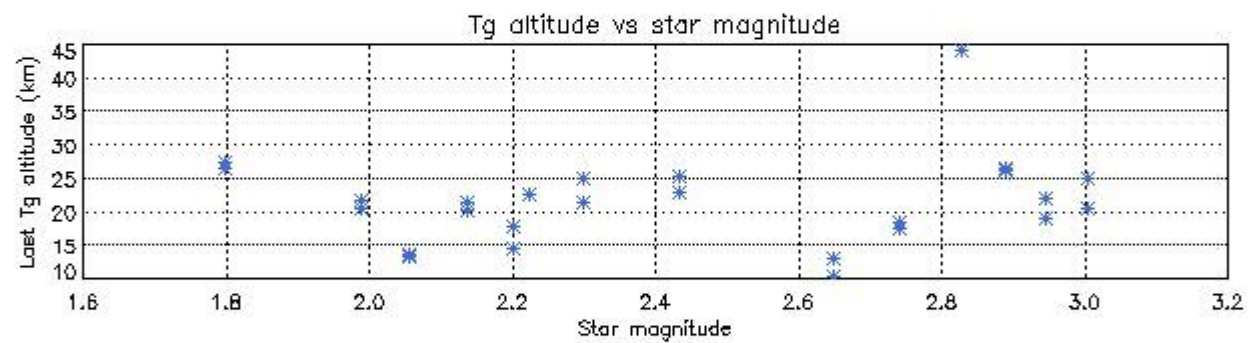
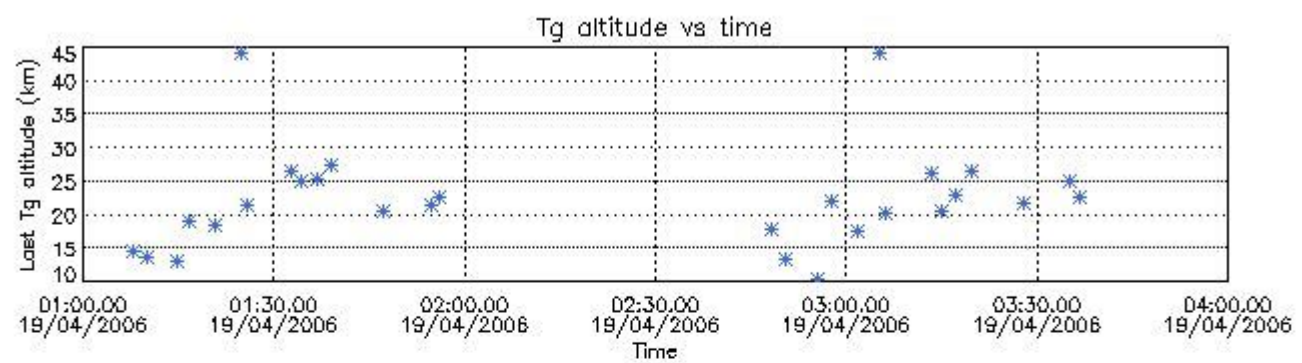
### 6.2 Plot for DARK limb products

Tangent altitude at which the star is lost



6.3 Plot for BRIGHT limb products

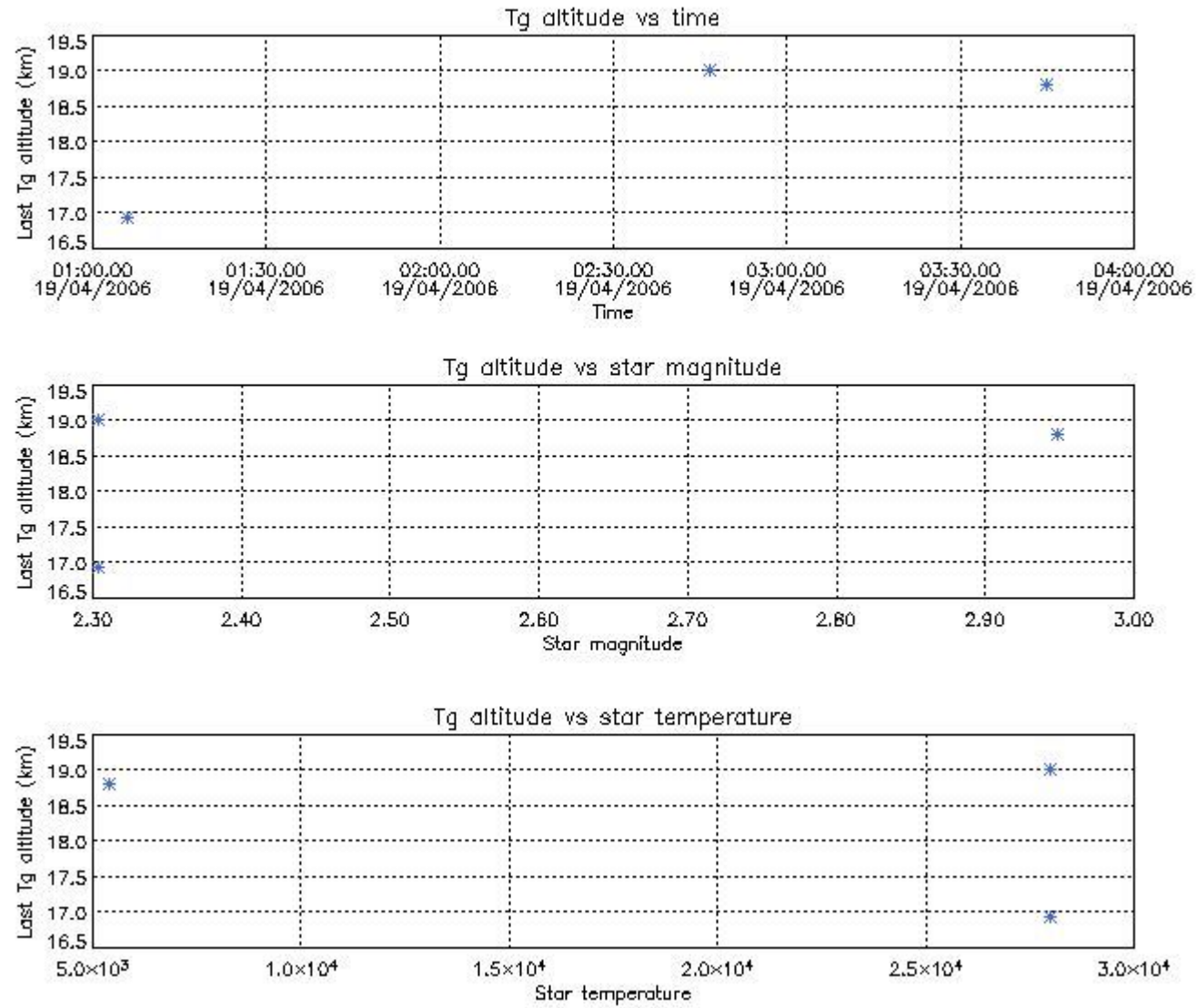
Tangent altitude at which the star is lost



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

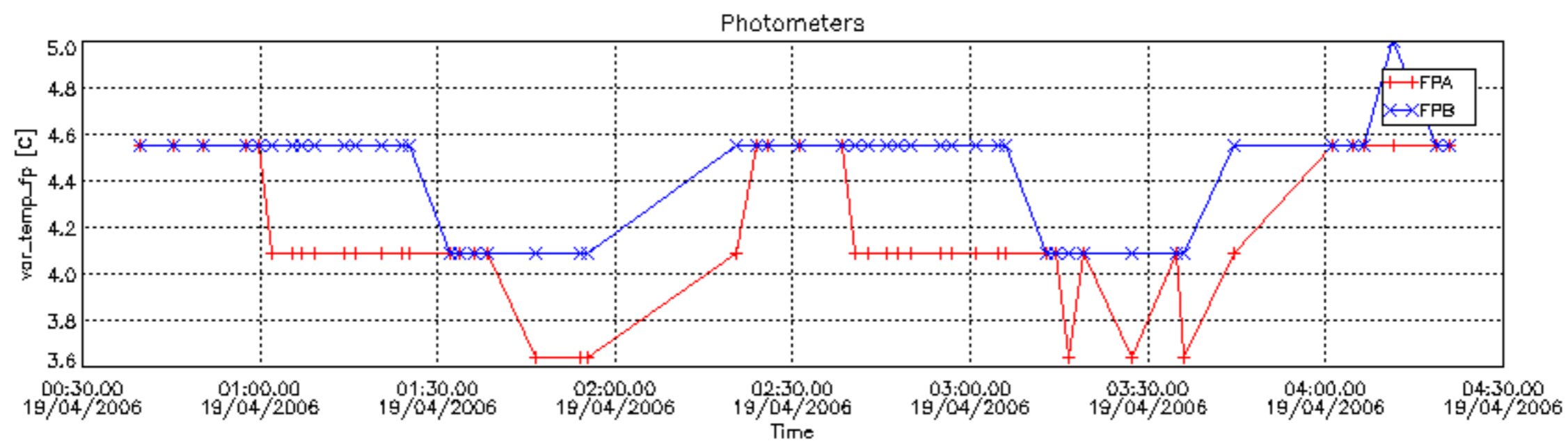
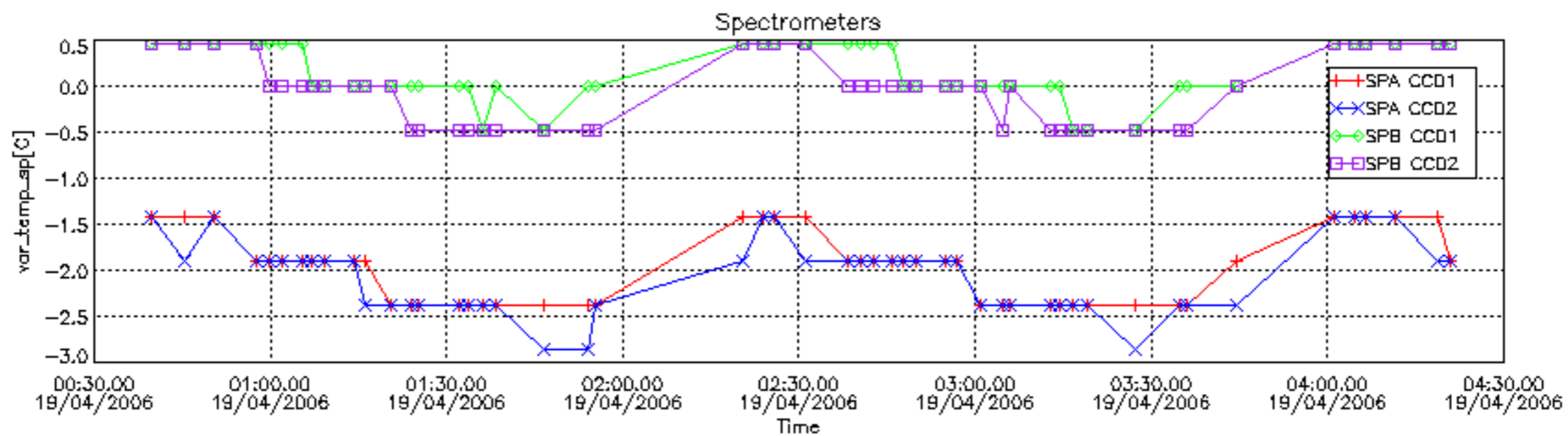
The Star Acquisition and Tracking Unit (it is the CCD that tracks the star while it is occulted) Noise Equivalent Angle consists of the statistical angular variation of the SATU data above the atmosphere. Statistics above 105 km are computed for every occultation, giving four values per occultation: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

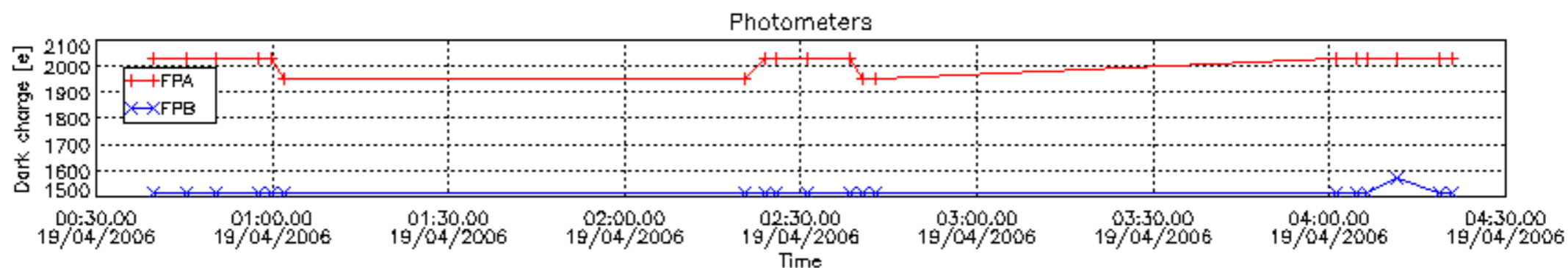
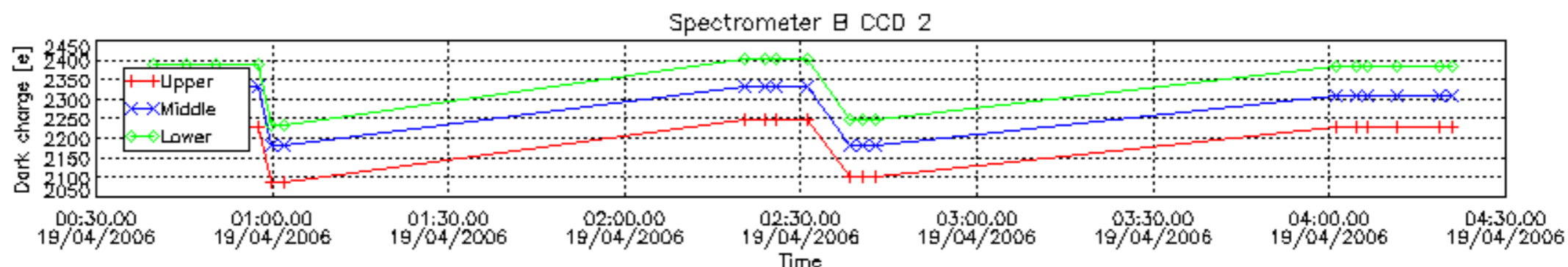
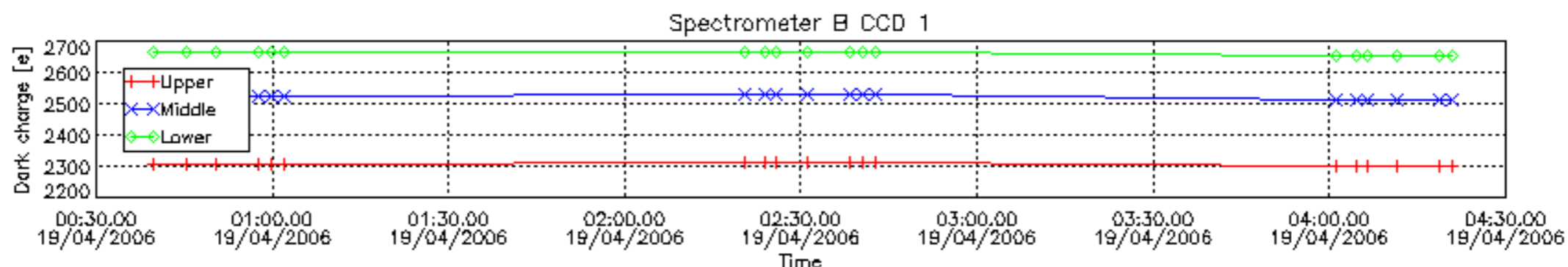
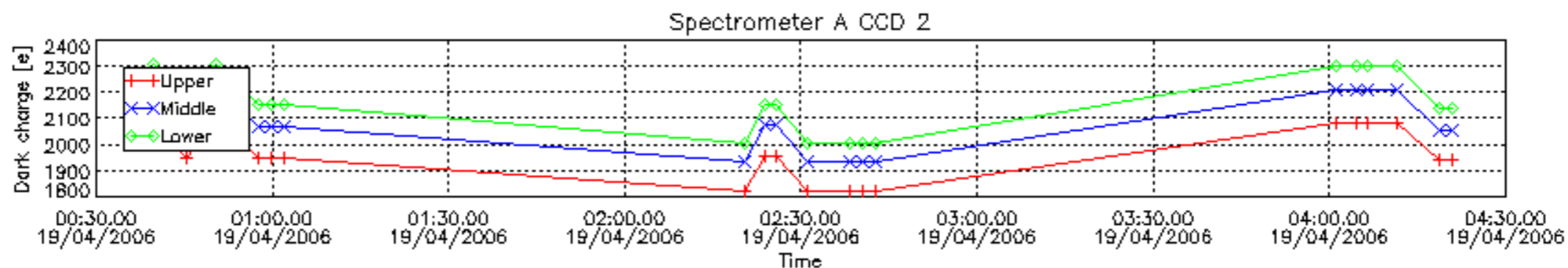
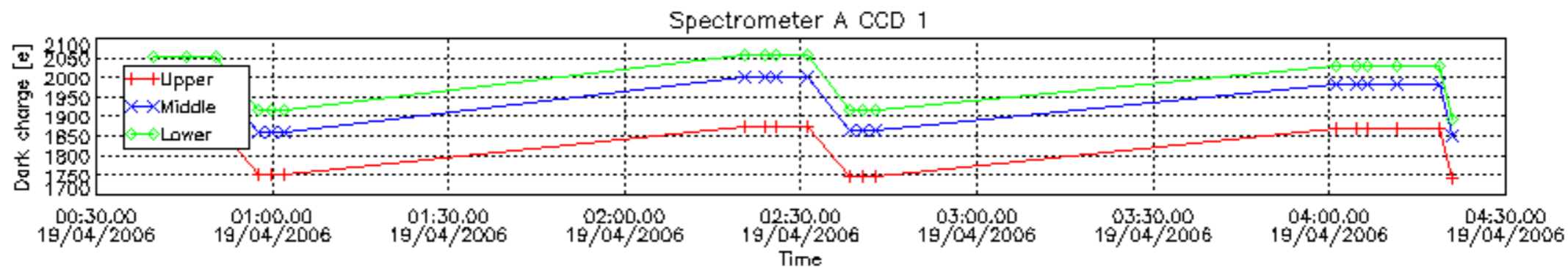
Statistics	SATU X (D)	SATU Y (D)	SATU X (B)	SATU Y (B)
Mean:	1460.4	1447.0	1460.3	1446.0
St. deviation:	5.8367	14.470	7.9710	13.532
Maximum:	1635.0	1590.0	1515.0	1518.0
Minimum:	1431.0	1405.0	1439.0	1414.0
Number of data:	16650.	16650.	23000.	23000.

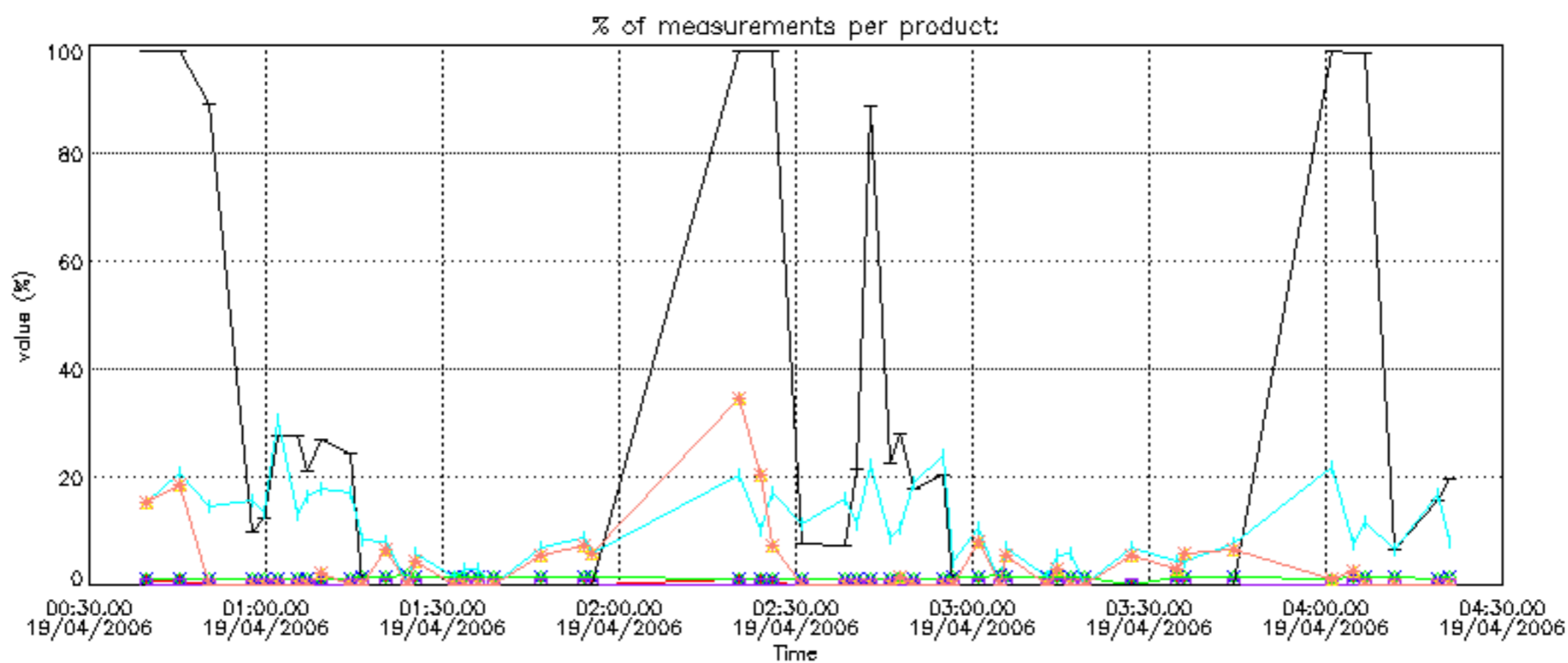
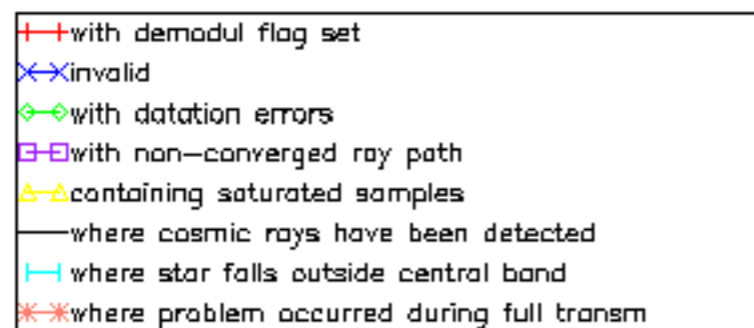
## 8. Auxiliary Data Files used for the production reported in section 2.2

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.

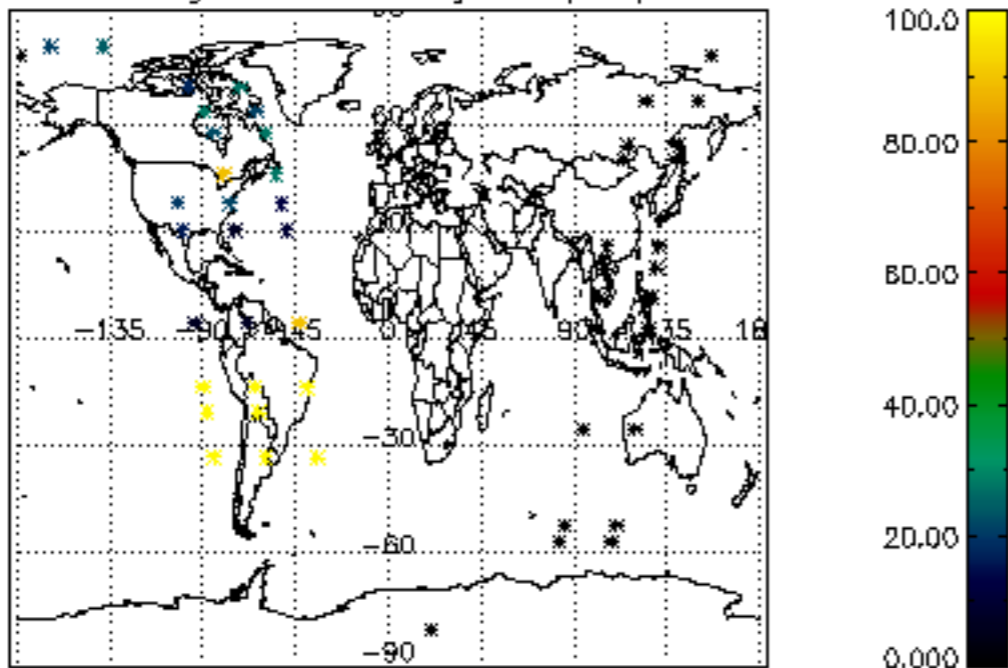
Type	Auxiliary Filename	Used since product	Used since product date
INST_PHYS_CHARACTERISTICS	GOM_INS_AXVIEC20030716_105425_20030716_120000_20100101_000000	1	19-APR-2006 00:39:46
CALIBRATION_DATABASE	GOM_CAL_AXVIEC20060413_081550_20060411_000000_20100101_000000	1	19-APR-2006 00:39:46
LEVEL-1B_PROC_CONFIG	GOM_PR1_AXVIEC20040401_083133_20020324_200000_20100101_000000	1	19-APR-2006 00:39:46
STAR_CATALOGUE	GOM_CAT_AXVIEC20020121_161009_20020101_000000_20200101_000000	1	19-APR-2006 00:39:46
STELLAR_SPECTRA_DATABANK	GOM_STS_AXVIEC20020121_165822_20020101_000000_20200101_000000	1	19-APR-2006 00:39:46
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ECMWF_FILE	AUX_ECA_AXNECM20060419_060549_20060418_210000_20060419_090000	17	19-APR-2006 01:36:06
ECMWF_FILE	AUX_ECF_AXNECM20060418_061824_20060418_210000_20060419_090000	22	19-APR-2006 02:20:22
ECMWF_FILE	AUX_ECA_AXNECM20060419_060549_20060418_210000_20060419_090000	36	19-APR-2006 03:05:48
ECMWF_FILE	AUX_ECF_AXNECM20060418_181532_20060419_030000_20060419_150000	42	19-APR-2006 03:34:42
OPTIONAL_ECMWF_FILE	NOT USED	1	19-APR-2006 00:39:46
ORBIT_DATA_FILE	AUX_FPO_AXVPDS20060418_230524_20060418_194719_20060428_211335	1	19-APR-2006 00:39:46



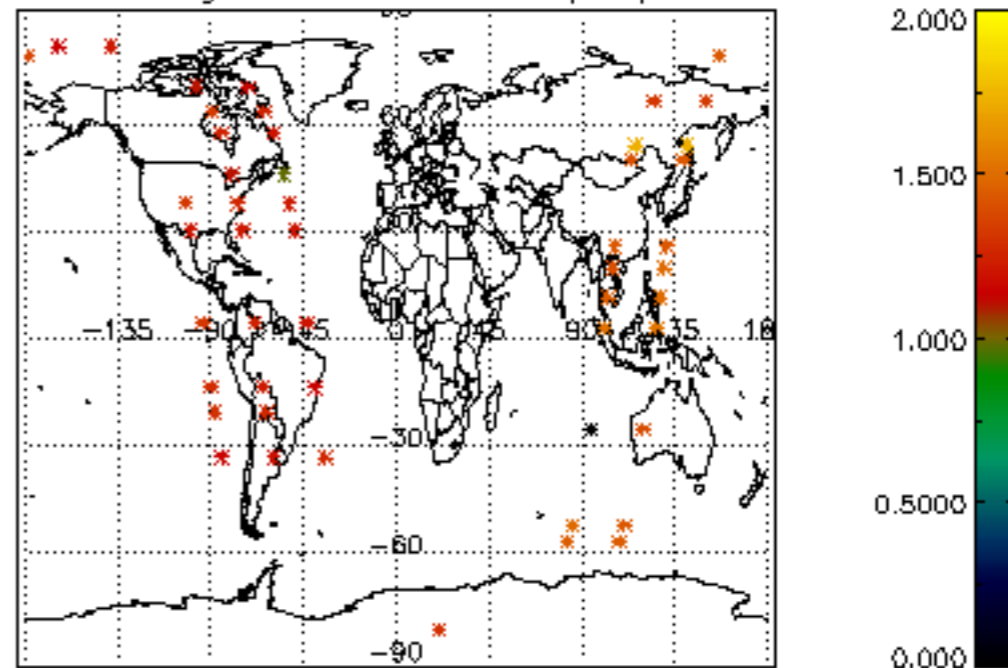




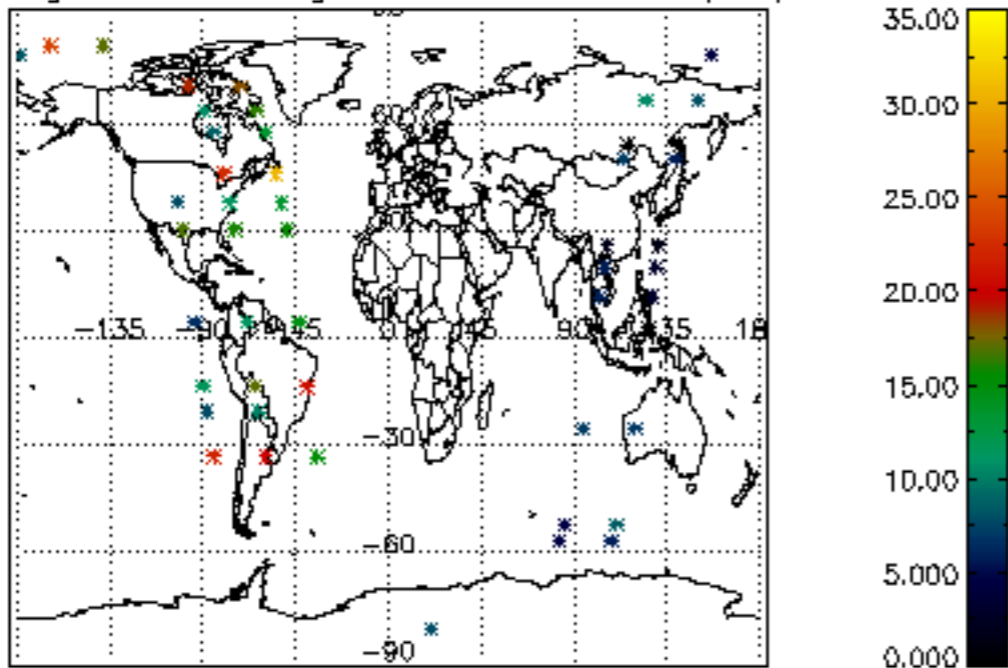
Percentage of cosmic ray hits per profile



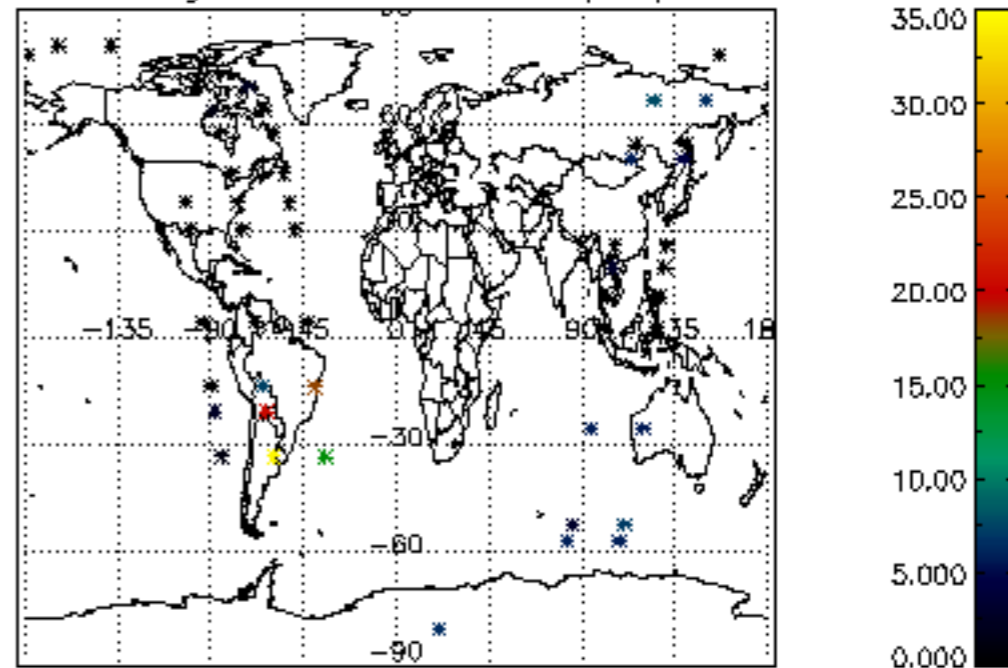
Percentage of datation errors per profile



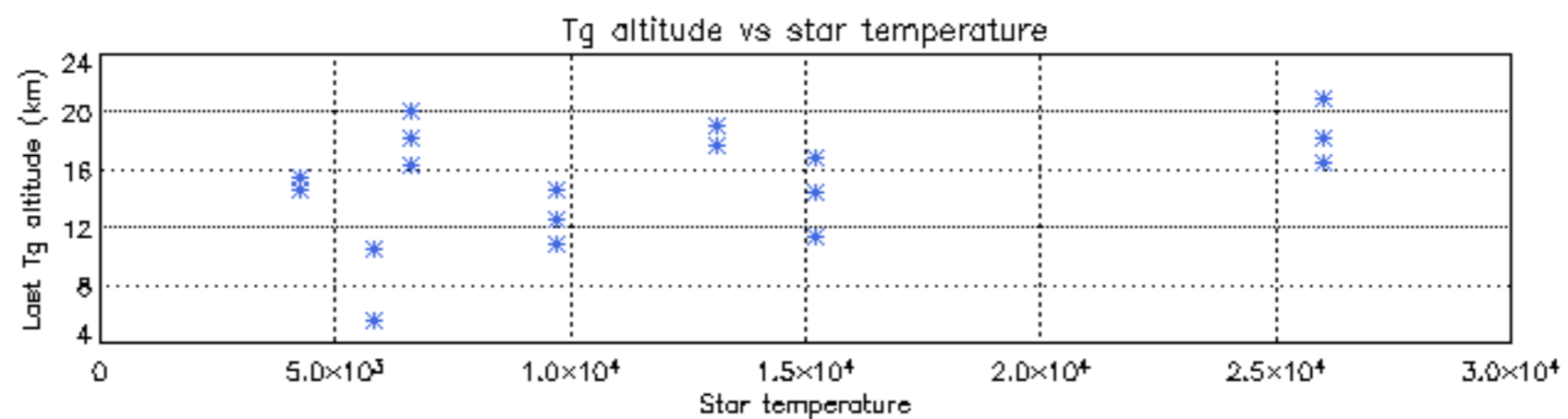
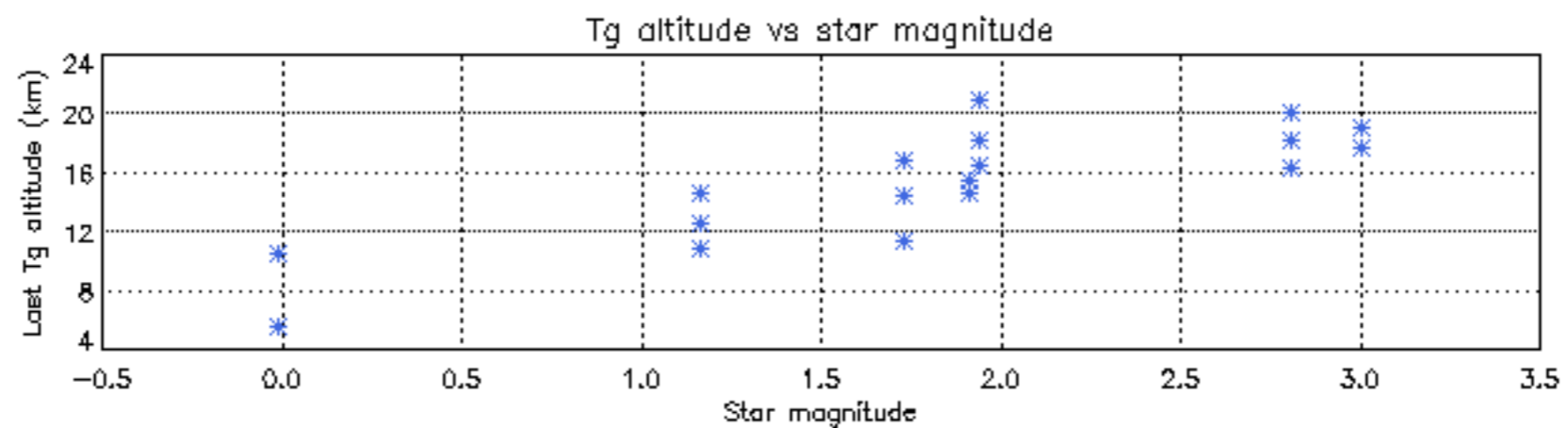
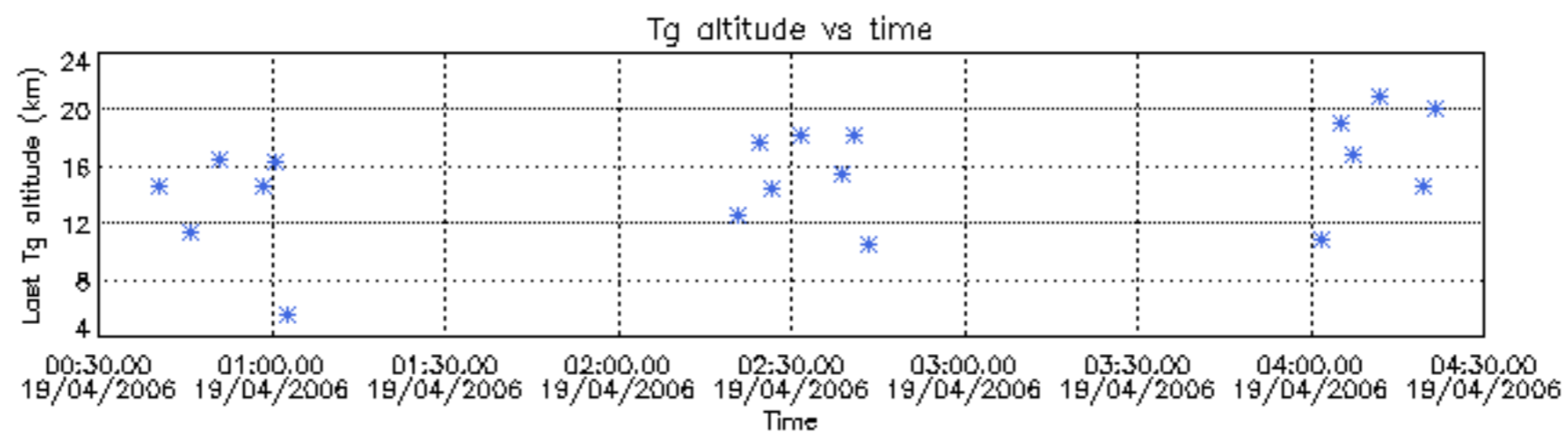
Percentage of star falling outside central band per profile



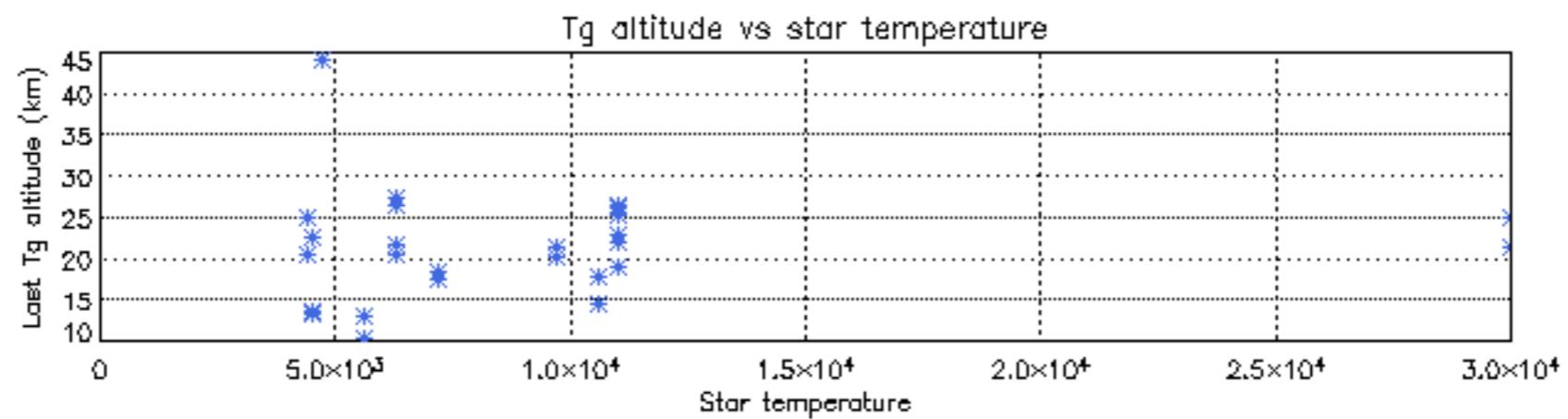
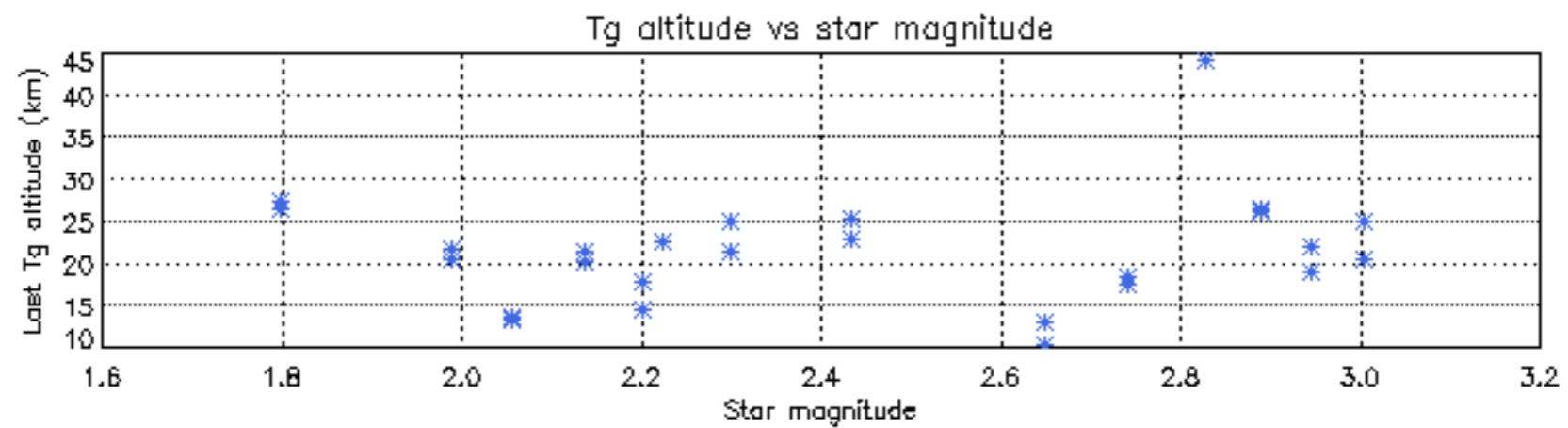
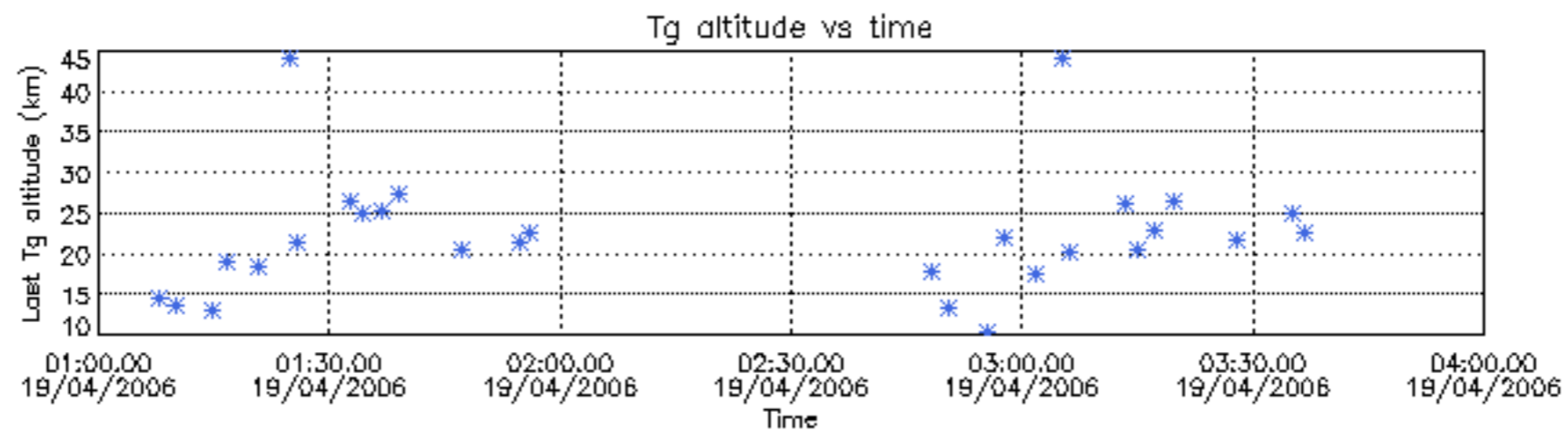
Percentage of saturation errors per profile



Tangent altitude at which the star is lost

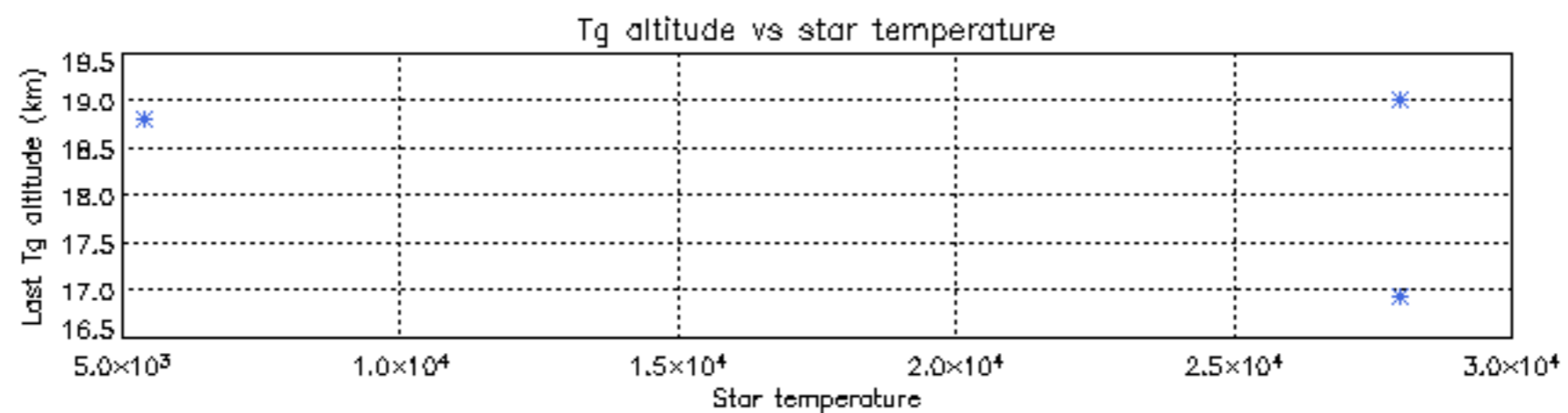
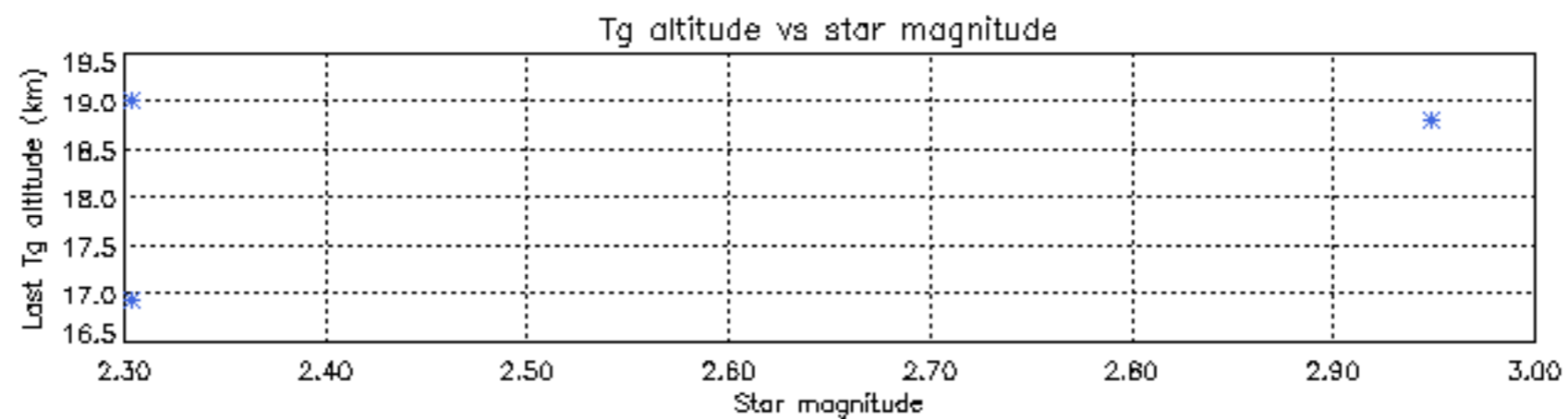
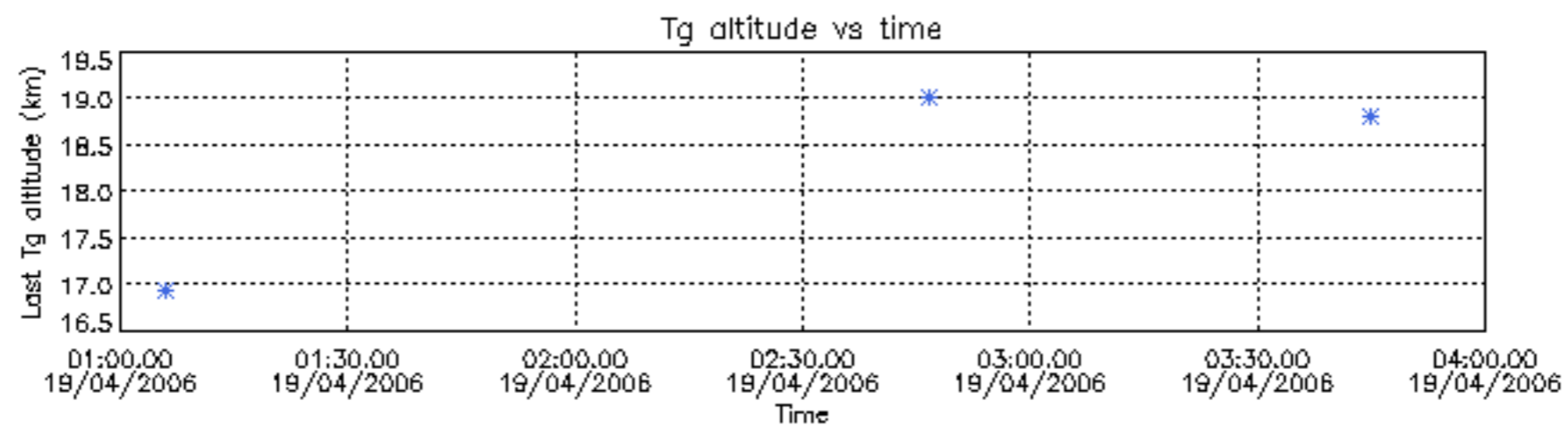


Tangent altitude at which the star is lost





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  
 6; 934.0; 01-APR-2006 00:30:07; Dark ; 39.0; 81; Eta Cen ; 2.36; 28000;occ; 78; 0;21356  
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 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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 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

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 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  
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 13; 8292.9; 01-APR-2006 02:32:45; Bright; 35.5; 96; 68Del Leo ; 2.56; 9300;occ; 71; 0;21356  
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 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  
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 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  
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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  
 19; 2848.4; 01-APR-2006 04:23:13; Bright; 36.0; 87; 64Gam UMa ; 2.43; 11000;occ; 72; 0;21358  
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 21; 3337.9; 01-APR-2006 04:31:22; Bright; 40.0; 60; 7Bet UMi ; 2.08; 3950;occ; 80; 0;21358  
 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
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7; 334.3; 01-APR-2006 05:21:55; Dark ; 41.5; 141; Bet Ara ; 2.84; 4600;occ; 83; 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
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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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11; 936.7; 01-APR-2006 07:12:33; Dark ; 45.0; 81; Eta Cen ; 2.36; 28000;occ; 90; 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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 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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 2;-4863.9; 01-APR-2006 19:00:40; Dark ; 43.0; 123; Iot Cen ; 2.75; 10200;occ; 86; 0;21367  
 3;-4574.0; 01-APR-2006 19:05:30; Dark ; 45.5; 106; 9Bet Crv ; 2.65; 5600;occ; 91; 0;21367  
 4;-4456.6; 01-APR-2006 19:07:28; Dark ; 41.5; 100; 4Gam Crv ; 2.58; 13100;occ; 83; 0;21367  
 5;-3876.1; 01-APR-2006 19:17:08; Bright; 38.0; 62; 94Bet Leo ; 2.14; 9700;occ; 76; 0;21367  
 6;-3778.9; 01-APR-2006 19:18:45; Bright; 35.5; 96; 68Del Leo ; 2.56; 9300;occ; 71; 0;21367  
 7;-3370.2; 01-APR-2006 19:25:34; Bright; 36.5; 174; 52Psi UMa ; 3.00; 4400;occ; 73; 0;21367  
 8;-3189.7; 01-APR-2006 19:28:34; Bright; 35.5; 87; 64Gam UMa ; 2.43; 11000;occ; 71; 0;21367  
 9;-3078.6; 01-APR-2006 19:30:26; Bright; 39.0; 36; 50Alp UMa ; 1.80; 6300;occ; 78; 0;21367  
 10;-2701.0; 01-APR-2006 19:36:43; Bright; 41.0; 60; 7Bet UMi ; 2.08; 3950;occ; 82; 0;21367  
 11;-2596.0; 01-APR-2006 19:38:28; Bright; 35.0; 49; 1Alp UMi ; 1.99; 6300;occ; 70; 0;21367  
 12;-2134.5; 01-APR-2006 19:46:10; Bright; 38.5; 89; 5Alp Cep ; 2.45; 8000;occ; 77; 0;21367  
 13;-1822.6; 01-APR-2006 19:51:22; Bright; 41.5; 19; 50Alp Cyg ; 1.25; 10500;occ; 83; 0;21367  
 14;-1600.7; 01-APR-2006 19:55:04; Bright; 42.0; 92; 53Eps Cyg ; 2.50; 4500;occ; 84; 0;21367  
 15;-1206.6; 01-APR-2006 20:01:38; Dark ; 46.5; 61; 8Eps Peg ; 2.10; 3900;occ; 93; 0;21367  
 16; -930.3; 01-APR-2006 20:06:14; Dark ; 44.5; 154; 22Bet Aqr ; 2.90; 5700;occ; 89; 0;21367  
 17; -306.5; 01-APR-2006 20:16:38; Dark ; 59.0; 0; ; 0.00; 0;occ; 118; 0;21367  
 18; 340.9; 01-APR-2006 20:27:25; Dark ; 42.0; 141; Bet Ara ; 2.84; 4600;occ; 84; 0;21368  
 19; 521.1; 01-APR-2006 20:30:25; Dark ; 38.0; 134; Bet TrA ; 2.81; 6600;occ; 76; 0;21368  
 20; 679.2; 01-APR-2006 20:33:03; Dark ; 54.5; 4; Alp1Cen ; -0.01; 5800;occ; 109; 0;21368  
 21; 845.5; 01-APR-2006 20:35:50; Dark ; 47.5; 78; Alp Lup ; 2.30; 28000;occ; 95; 0;21368  
 22; 1017.7; 01-APR-2006 20:38:42; Dark ; 5.0; 64; Gam Cen ; 2.20; 10600;occ; 10; 0;21368

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

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

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

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 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

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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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3; 1111.8; 02-APR-2006 20:08:39; Dark ; 26.0; 54; 5The Cen ; 2.06; 4500;occ; 52; 0;21382
4; 1177.7; 02-APR-2006 20:09:45; Dark ; 43.0; 123; Tot Cen ; 2.75; 10200;occ; 86; 0;21382
5; 1435.3; 02-APR-2006 20:14:03; Dark ; 27.0; 169; 46Gam Hya ; 2.99; 4700;occ; 54; 0;21382
6; 1495.0; 02-APR-2006 20:15:03; Dark ; 44.0; 171; 2Eps Crv ; 3.00; 4250;occ; 88; 0;21382
7; 1581.4; 02-APR-2006 20:16:29; Dark ; 41.5; 100; 4Gam Crv ; 2.58; 13100;occ; 83; 0;21382
8; 1880.6; 02-APR-2006 20:21:28; Bright; 42.0; 121; 29Gam Vir ; 2.74; 7200;occ; 84; 0;21382
9; 2158.4; 02-APR-2006 20:26:06; Bright; 38.0; 62; 94Bet Leo ; 2.14; 9700;occ; 76; 0;21382
10; 2257.1; 02-APR-2006 20:27:45; Bright; 50.0; 96; 68Del Leo ; 2.56; 9300;occ; 100; 0;21382
11; 2664.8; 02-APR-2006 20:34:32; Bright; 36.0; 174; 52Psi UMa ; 3.00; 4400;occ; 72; 0;21382
12; 2842.9; 02-APR-2006 20:37:30; Bright; 36.0; 87; 64Gam UMa ; 2.43; 11000;occ; 72; 0;21382
13; 2956.6; 02-APR-2006 20:39:24; Bright; 37.5; 36; 50Alp UMa ; 1.80; 6300;occ; 75; 0;21382
14; 3329.9; 02-APR-2006 20:45:37; Bright; 40.5; 60; 7Bet UMi ; 2.08; 3950;occ; 81; 0;21382
15; 3440.1; 02-APR-2006 20:47:28; Bright; 35.0; 49; 1Alp UMi ; 1.99; 6300;occ; 70; 0;21382
16; 3900.6; 02-APR-2006 20:55:08; Bright; 37.0; 89; 5Alp Cep ; 2.45; 8000;occ; 74; 0;21382
17; 4212.8; 02-APR-2006 21:00:20; Bright; 40.0; 19; 50Alp Cyg ; 1.25; 10500;occ; 80; 0;21382
18; 4833.7; 02-APR-2006 21:10:41; Dark ; 45.0; 61; 8Eps Peg ; 2.10; 3900;occ; 90; 0;21382
19; 5111.5; 02-APR-2006 21:15:19; Dark ; 43.5; 154; 22Bet Aqr ; 2.90; 5700;occ; 87; 0;21382
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3; 528.8; 02-APR-2006 21:39:32; Dark ; 38.0; 134; Bet TrA ; 2.81; 6600;occ; 76; 0;21383
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5; 854.7; 02-APR-2006 21:44:58; Dark ; 43.0; 78; Alp Lup ; 2.30; 28000;occ; 86; 0;21383
6; 1022.3; 02-APR-2006 21:47:46; Dark ; 38.5; 64; Gam Cen ; 2.20; 10600;occ; 77; 0;21383
7; 1112.4; 02-APR-2006 21:49:16; Dark ; 26.0; 54; 5The Cen ; 2.06; 4500;occ; 52; 0;21383
8; 1178.0; 02-APR-2006 21:50:21; Dark ; 43.0; 123; Tot Cen ; 2.75; 10200;occ; 86; 0;21383
9; 1435.4; 02-APR-2006 21:54:39; Dark ; 27.0; 169; 46Gam Hya ; 2.99; 4700;occ; 54; 0;21383
10; 1495.1; 02-APR-2006 21:55:39; Dark ; 42.5; 171; 2Eps Crv ; 3.00; 4250;occ; 85; 0;21383
11; 1581.5; 02-APR-2006 21:57:05; Dark ; 42.5; 100; 4Gam Crv ; 2.58; 13100;occ; 85; 0;21383
12; 1880.4; 02-APR-2006 22:02:04; Bright; 41.5; 121; 29Gam Vir ; 2.74; 7200;occ; 83; 0;21383
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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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18;	34.3;	13-APR-2006	12:22:21;	Dark	;	38.5;	45;	Alp Pav	;	1.94;	26000;occ;	77;	0;	21535
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21;	750.3;	13-APR-2006	12:34:17;	Dark	;	44.5;	4;	Alp1Cen	;	-0.01;	5800;occ;	89;	0;	21535
22;	937.6;	13-APR-2006	12:37:25;	Dark	;	42.5;	78;	Alp Lup	;	2.30;	28000;occ;	85;	0;	21535
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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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12;	-1149.5;	13-APR-2006	13:43:14;	Dark	;	51.0;	61;	8Eps Peg	;	2.10;	3900;occ;	102;	0;	21535
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16;	-383.9;	13-APR-2006	13:55:59;	Dark	;	39.5;	172;	Gam Gru	;	3.00;	13100;occ;	79;	0;	21535
17;	-89.8;	13-APR-2006	14:00:53;	Dark	;	59.5;	0;	;	;	0.00;	0;occ;	119;	0;	21535
18;	34.8;	13-APR-2006	14:02:58;	Dark	;	46.5;	45;	Alp Pav	;	1.94;	26000;occ;	93;	0;	21536
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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
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16;	-89.3;	13-APR-2006	15:41:30;	Dark	;	59.5;	0;	;	;	0.00;	0;occ;	119;	0;	21536
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