

# GOMOS Daily Report 14-JAN-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	16JAN2006 04:31:32

Data source version	GOMOS/4.02
Start time of products	QDS_YESTERDAY(/START)-1D (14JAN2006 00:00:00)
Stop time of products	QDS_YESTERDAY(/STOP)-1D (15JAN2006 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)

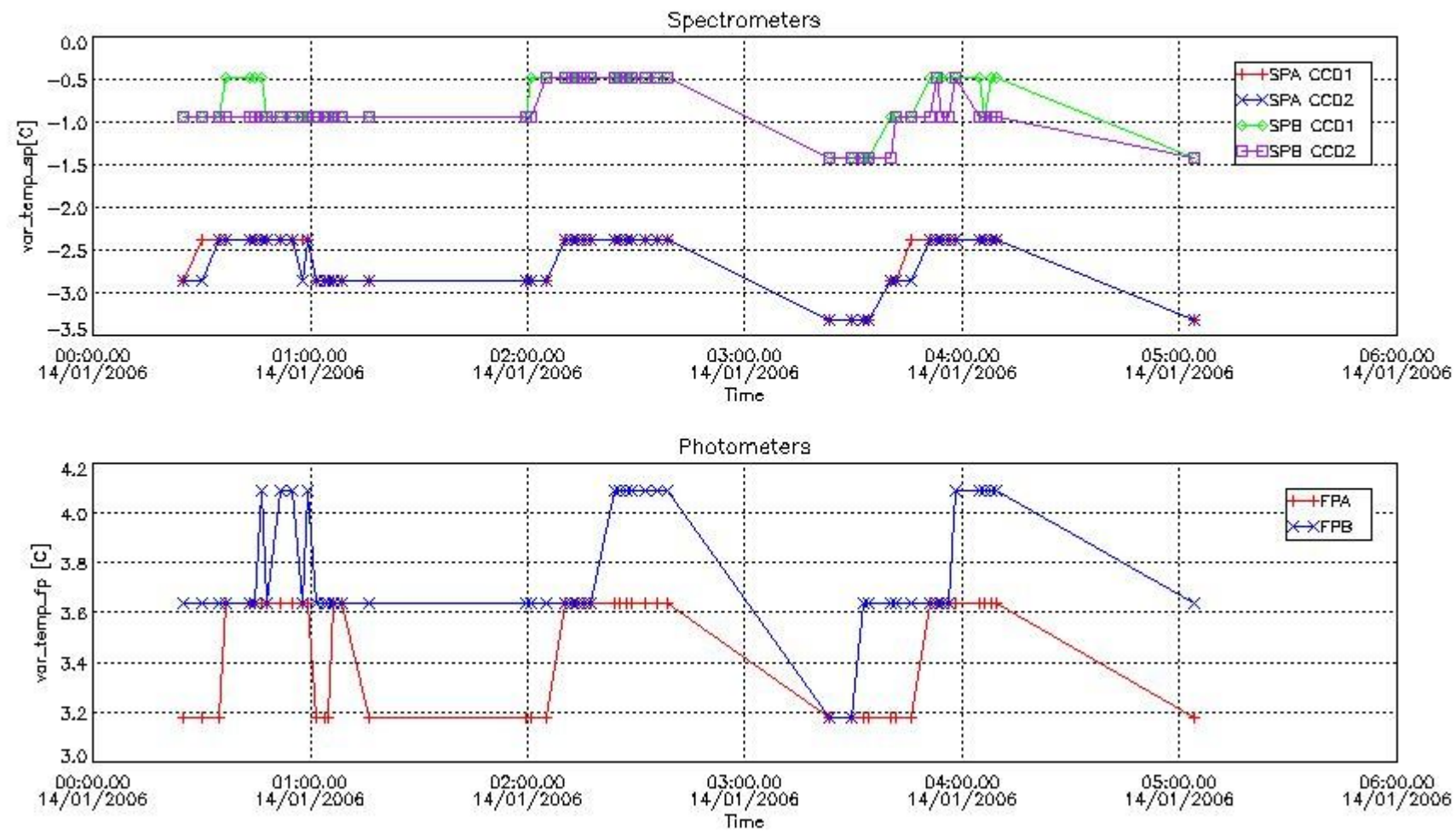
### 2.1 Level 0 products arrived in PCF (see template [here](#))

### 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_1PNPDE20060114_002445_000000532044_00159_20253_0000.N1	14-JAN-2006 00:24:45	Twilight	53.000	16	21Alp Sco	1.0200	3000.0	106	20253	No
2	GOM_TRA_1PNPDE20060114_002957_000000392044_00159_20253_0001.N1	14-JAN-2006 00:29:57	Twilight	38.500	131	Gam Lup	2.8000	26000.	77	20253	No
3	GOM_TRA_1PNPDE20060114_003454_000000372044_00160_20254_0002.N1	14-JAN-2006 00:34:54	Dark	36.500	134	Bet TrA	2.8100	6600.0	73	20254	No
4	GOM_TRA_1PNPDE20060114_003645_000000402044_00160_20254_0003.N1	14-JAN-2006 00:36:45	Dark	39.500	10	Bet Cen	0.61000	28000.	79	20254	No
5	GOM_TRA_1PNPDE20060114_004326_000000392044_00160_20254_0004.N1	14-JAN-2006 00:43:26	Dark	39.000	124	The Car	2.7640	30000.	78	20254	No
6	GOM_TRA_1PNPDE20060114_004452_000000382044_00160_20254_0005.N1	14-JAN-2006 00:44:52	Dark	37.500	29	Bet Car	1.6720	10200.	75	20254	No
7	GOM_TRA_1PNPDE20060114_004644_000000402044_00160_20254_0006.N1	14-JAN-2006 00:46:44	Dark	39.500	71	Iot Car	2.2460	7700.0	79	20254	No
8	GOM_TRA_1PNPDE20060114_004801_000000512044_00160_20254_0007.N1	14-JAN-2006 00:48:01	Dark	50.500	41	Eps Car	1.8600	4100.0	101	20254	No
9	GOM_TRA_1PNPDE20060114_005141_000000432044_00160_20254_0008.N1	14-JAN-2006 00:51:41	Dark	42.500	2	Alp Car	-0.73600	7000.0	85	20254	No
10	GOM_TRA_1PNPDE20060114_005512_000000472044_00160_20254_0009.N1	14-JAN-2006 00:55:12	Dark	47.000	117	Pi Pup	2.7060	3800.0	94	20254	No
11	GOM_TRA_1PNPDE20060114_005747_000000442044_00160_20254_0010.N1	14-JAN-2006 00:57:47	Dark	43.500	23	21Eps CMa	1.5020	26000.	87	20254	No
12	GOM_TRA_1PNPDE20060114_005912_000000412044_00160_20254_0011.N1	14-JAN-2006 00:59:12	Twilight	40.500	179	24Omi2CMa	3.0320	24000.	81	20254	No
13	GOM_TRA_1PNPDE20060114_010127_000000502044_00160_20254_0012.N1	14-JAN-2006 01:01:27	Twilight	49.500	1	9Alp CMa	-1.4400	11000.	99	20254	No
14	GOM_TRA_1PNPDE20060114_010356_000000402044_00160_20254_0013.N1	14-JAN-2006 01:03:56	Bright	39.500	56	53Kap Ori	2.0650	30000.	79	20254	No
15	GOM_TRA_1PNPDE20060114_010506_000000392044_00160_20254_0014.N1	14-JAN-2006 01:05:06	Bright	38.500	125	44Iot Ori	2.7700	30000.	77	20254	No
16	GOM_TRA_1PNPDE20060114_010623_000000412044_00160_20254_0015.N1	14-JAN-2006 01:06:23	Bright	40.500	30	46Eps Ori	1.6940	30000.	81	20254	No
17	GOM_TRA_1PNPDE20060114_010838_000000472044_00160_20254_0016.N1	14-JAN-2006 01:08:38	Bright	46.500	14	58Alp Ori	0.87000	3000.0	93	20254	No
18	GOM_TRA_1PNPDE20060114_011616_000000362044_00160_20254_0017.N1	14-JAN-2006 01:16:16	Bright	36.000	114	3Iot Aur	2.6930	4600.0	72	20254	No
19	GOM_TRA_1PNPDE20060114_015931_000000392044_00160_20254_0000.N1	14-JAN-2006 01:59:31	Twilight	39.000	120	1Del Oph	2.7340	3200.0	78	20254	No
20	GOM_TRA_1PNPDE20060114_020054_000000362044_00160_20254_0001.N1	14-JAN-2006 02:00:54	Twilight	36.000	98	13Zet Oph	2.5710	30000.	72	20254	No
21	GOM_TRA_1PNPDE20060114_020521_000000452044_00160_20254_0002.N1	14-JAN-2006 02:05:21	Twilight	44.500	16	21Alp Sco	1.0200	3000.0	89	20254	No
22	GOM_TRA_1PNPDE20060114_021033_000000382044_00160_20254_0003.N1	14-JAN-2006 02:10:33	Twilight	38.000	131	Gam Lup	2.8000	26000.	76	20254	No
23	GOM_TRA_1PNPDE20060114_021216_000000402044_00160_20254_0004.N1	14-JAN-2006 02:12:16	Dark	40.000	109	Bet Lup	2.6770	26000.	80	20254	No
24	GOM_TRA_1PNPDE20060114_021347_000000412044_00160_20254_0005.N1	14-JAN-2006 02:13:47	Dark	40.500	78	Alp Lup	2.3040	28000.	81	20254	No
25	GOM_TRA_1PNPDE20060114_021530_000000382044_00161_20255_0006.N1	14-JAN-2006 02:15:30	Dark	37.500	134	Bet TrA	2.8100	6600.0	75	20255	No
26	GOM_TRA_1PNPDE20060114_021722_000000442044_00161_20255_0007.N1	14-JAN-2006 02:17:22	Dark	44.000	10	Bet Cen	0.61000	28000.	88	20255	No
27	GOM_TRA_1PNPDE20060114_022403_000000382044_00161_20255_0008.N1	14-JAN-2006 02:24:03	Dark	37.500	124	The Car	2.7640	30000.	75	20255	No
28	GOM_TRA_1PNPDE20060114_022528_000000372044_00161_20255_0009.N1	14-JAN-2006 02:25:28	Dark	37.000	29	Bet Car	1.6720	10200.	74	20255	No
29	GOM_TRA_1PNPDE20060114_022721_000000412044_00161_20255_0010.N1	14-JAN-2006 02:27:21	Dark	40.500	71	Iot Car	2.2460	7700.0	81	20255	No
30	GOM_TRA_1PNPDE20060114_022837_000000502044_00161_20255_0011.N1	14-JAN-2006 02:28:37	Dark	49.500	41	Eps Car	1.8600	4100.0	99	20255	No
31	GOM_TRA_1PNPDE20060114_023217_000000432044_00161_20255_0012.N1	14-JAN-2006 02:32:17	Dark	43.000	2	Alp Car	-0.73600	7000.0	86	20255	No
32	GOM_TRA_1PNPDE20060114_023549_000000432044_00161_20255_0013.N1	14-JAN-2006 02:35:49	Dark	43.000	117	Pi Pup	2.7060	3800.0	86	20255	No
33	GOM_TRA_1PNPDE20060114_023823_000000452044_00161_20255_0014.N1	14-JAN-2006 02:38:23	Dark	45.000	23	21Eps CMa	1.5020	26000.	90	20255	No
34	GOM_TRA_1PNPDE20060114_032312_000000352044_00161_20255_0000.N1	14-JAN-2006 03:23:12	Bright	34.500	130	23Bet Dra	2.7990	5800.0	69	20255	No
35	GOM_TRA_1PNPDE20060114_032928_000000372044_00161_20255_0001.N1	14-JAN-2006 03:29:28	Bright	36.500	133	40Zet Her	2.8070	6000.0	73	20255	No
36	GOM_TRA_1PNPDE20060114_033233_000000382044_00161_20255_0002.N1	14-JAN-2006 03:32:33	Bright	37.500	127	27Bet Her	2.7810	4700.0	75	20255	No
37	GOM_TRA_1PNPDE20060114_033416_000000332044_00161_20255_0003.N1	14-JAN-2006 03:34:16	Bright	33.000	59	55Alp Oph	2.0800	8900.0	66	20255	No
38	GOM_TRA_1PNPDE20060114_034007_000000402044_00161_20255_0004.N1	14-JAN-2006 03:40:07	Twilight	40.000	120	1Del Oph	2.7340	3200.0	80	20255	No
39	GOM_TRA_1PNPDE20060114_034130_000000372044_00161_20255_0005.N1	14-JAN-2006 03:41:30	Twilight	36.500	98	13Zet Oph	2.5710	30000.	73	20255	No
40	GOM_TRA_1PNPDE20060114_034557_000000472044_00161_20255_0006.N1	14-JAN-2006 03:45:57	Twilight	47.000	16	21Alp Sco	1.0200	3000.0	94	20255	No
41	GOM_TRA_1PNPDE20060114_035110_000000382044_00161_20255_0007.N1	14-JAN-2006 03:51:10	Twilight	38.000	131	Gam Lup	2.8000	26000.	76	20255	No
42	GOM_TRA_1PNPDE20060114_035253_000000392044_00161_20255_0008.N1	14-JAN-2006 03:52:53	Dark	39.000	109	Bet Lup	2.6770	26000.	78	20255	No
43	GOM_TRA_1PNPDE20060114_035423_000000392044_00161_20255_0009.N1	14-JAN-2006 03:54:23	Dark	39.000	78	Alp Lup	2.3040	28000.	78	20255	No
44	GOM_TRA_1PNPDE20060114_035606_000000382044_00162_20256_0010.N1	14-JAN-2006 03:56:06	Dark	38.000	134	Bet TrA	2.8100	6600.0	76	20256	No
45	GOM_TRA_1PNPDE20060114_035758_000000402044_00162_20256_0011.N1	14-JAN-2006 03:57:58	Dark	39.500	10	Bet Cen	0.61000	28000.	79	20256	No
46	GOM_TRA_1PNPDE20060114_040439_000000382044_00162_20256_0012.N1	14-JAN-2006 04:04:39	Dark	38.000	124	The Car	2.7640	30000.	76	20256	No

47	GOM_TRA_1PNPDE20060114_040604_000000382044_00162_20256_0013.N1	14-JAN-2006 04:06:04	Dark	37.500	29	Bet Car	1.6720	10200.	75	20256	No
48	GOM_TRA_1PNPDE20060114_040757_000000392044_00162_20256_0014.N1	14-JAN-2006 04:07:57	Dark	39.000	71	lot Car	2.2460	7700.0	78	20256	No
49	GOM_TRA_1PNPDE20060114_040914_000000462044_00162_20256_0015.N1	14-JAN-2006 04:09:14	Dark	46.000	41	Eps Car	1.8600	4100.0	92	20256	No
50	GOM_TRA_1PNPDE20060114_050348_000000362044_00162_20256_0000.N1	14-JAN-2006 05:03:48	Bright	35.500	130	23Bet Dra	2.7990	5800.0	71	20256	No

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



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

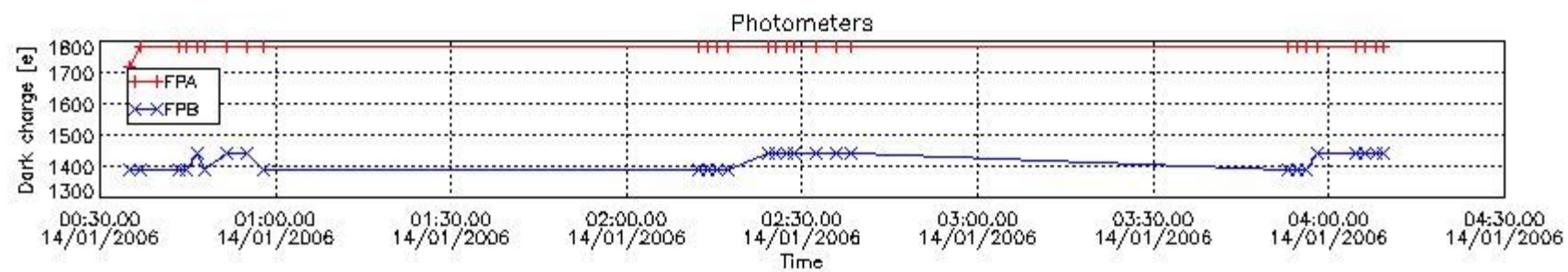
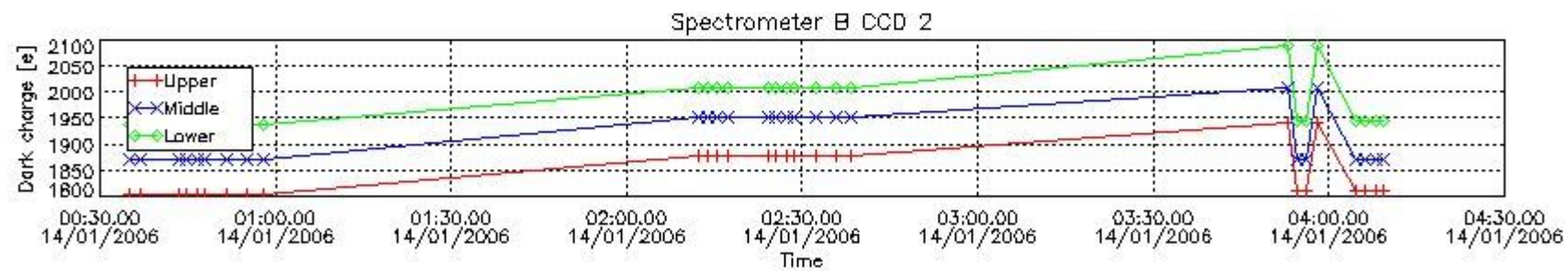
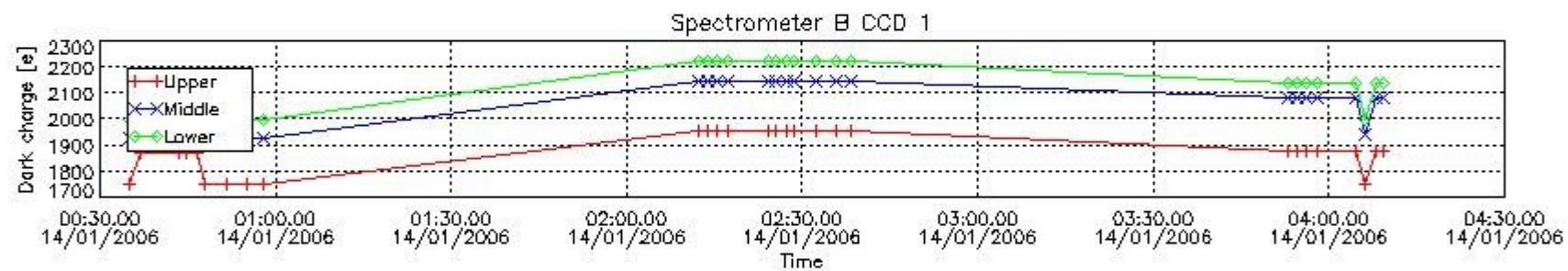
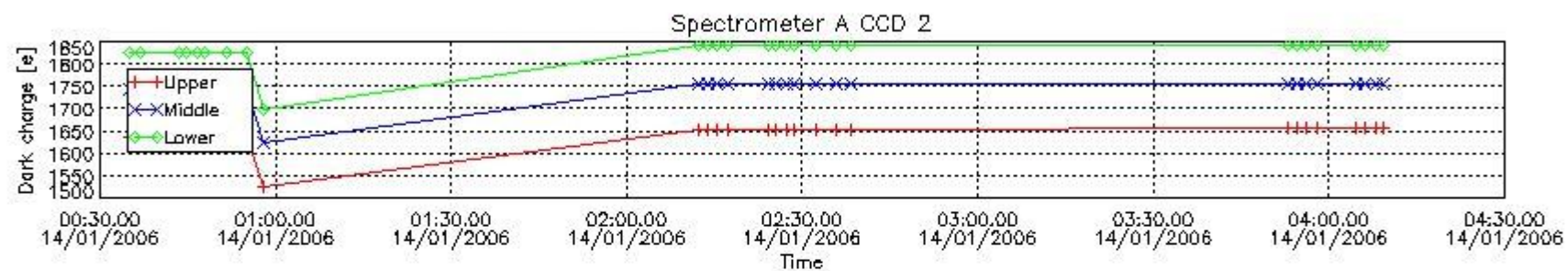
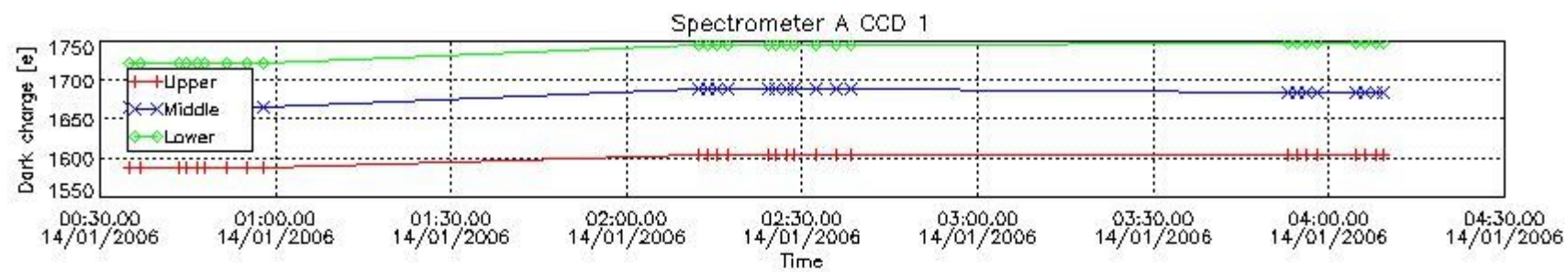
The Dark Charge (DC) is a temperature-dependant signal added to the useful measurements and it is therefore subtracted from them during the processing. There are two phenomena that produce a continuous increase of the DC: the "hot pixels" (a pixel is "hot" when its DC exceeds by a significant amount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





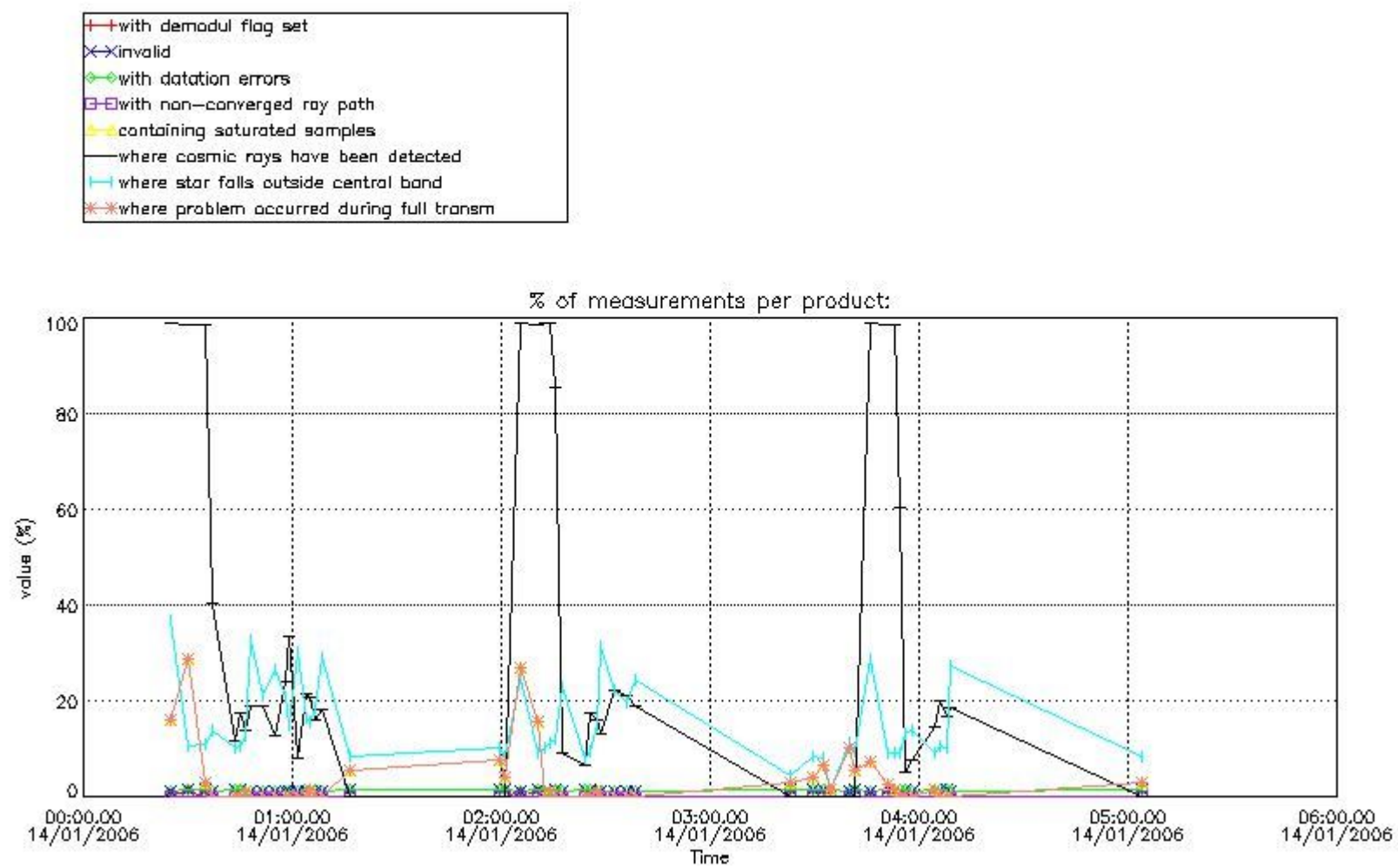
## 5. Demodulation flag and quality information monitoring

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:

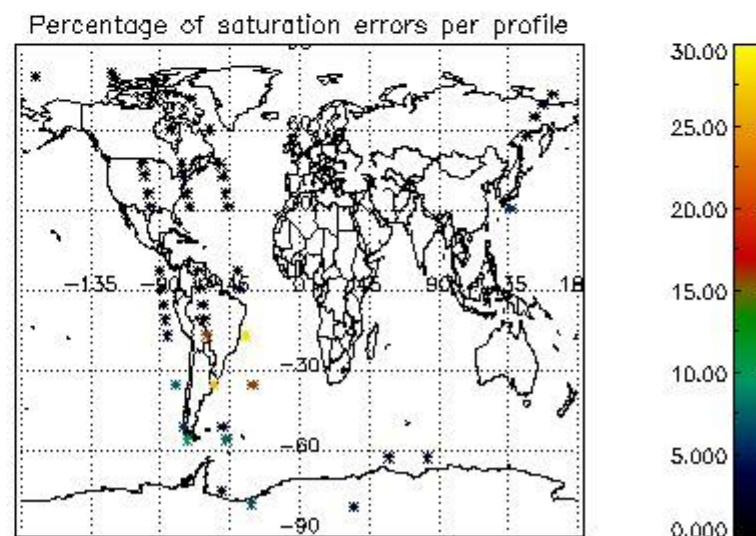
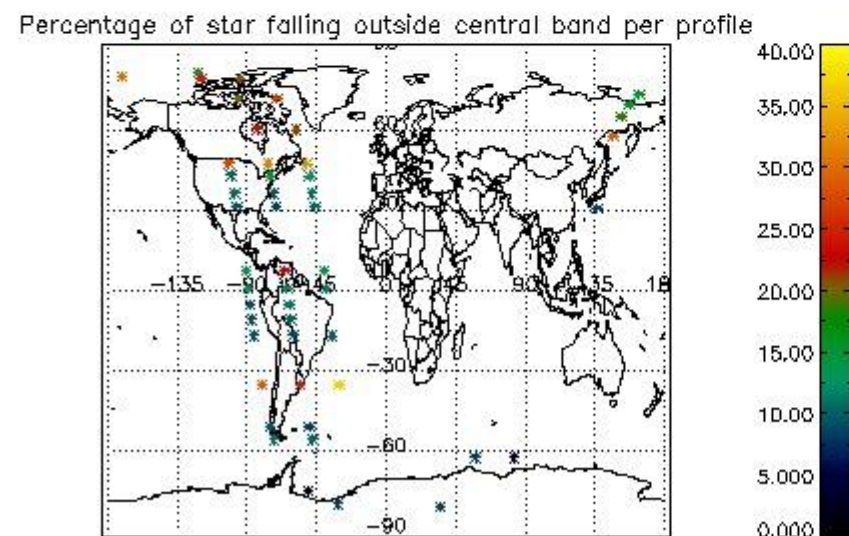
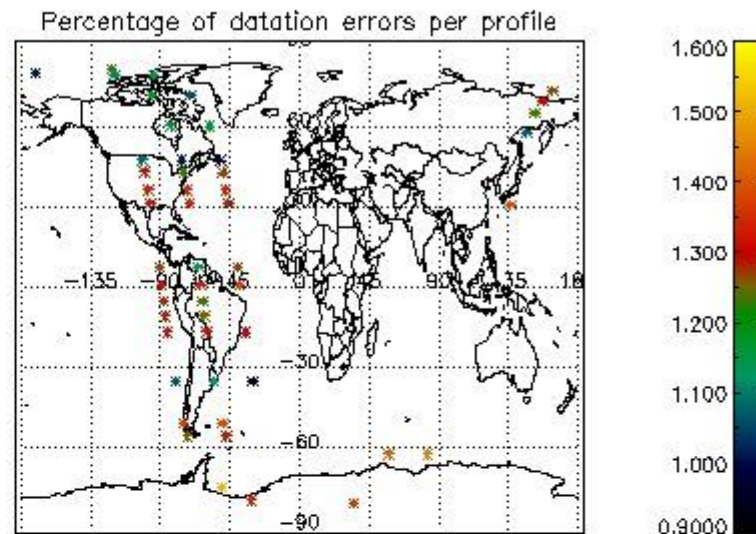
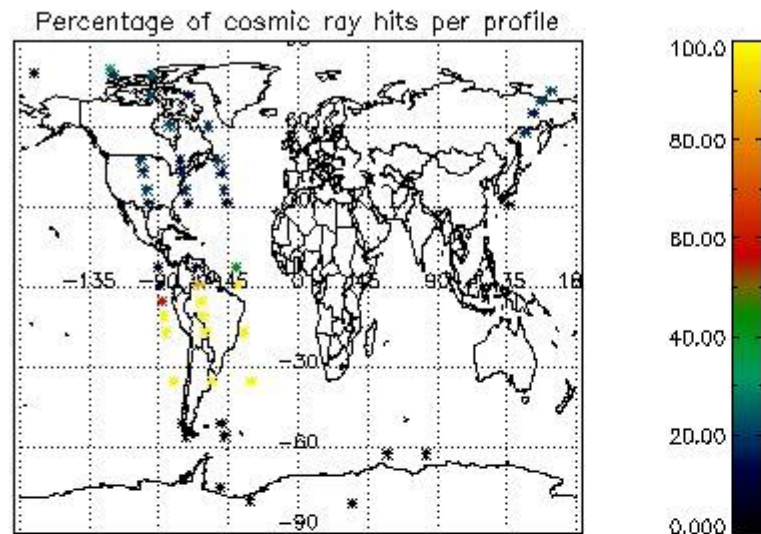
At least one measurement with demodulation flag set:	24.0000 %
Reference spectrum computed from DB:	0.00000 %
Reference spectrum with small number of measurements:	0.00000 %
SATU data not used:	0.00000 %

5.2 Plot quality information per product (time dependant)



5.3 Plot quality information per product (world map)





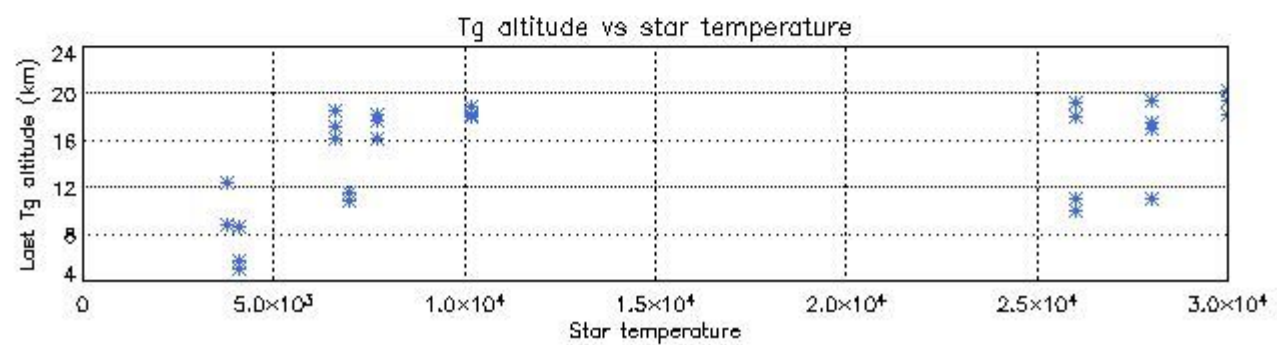
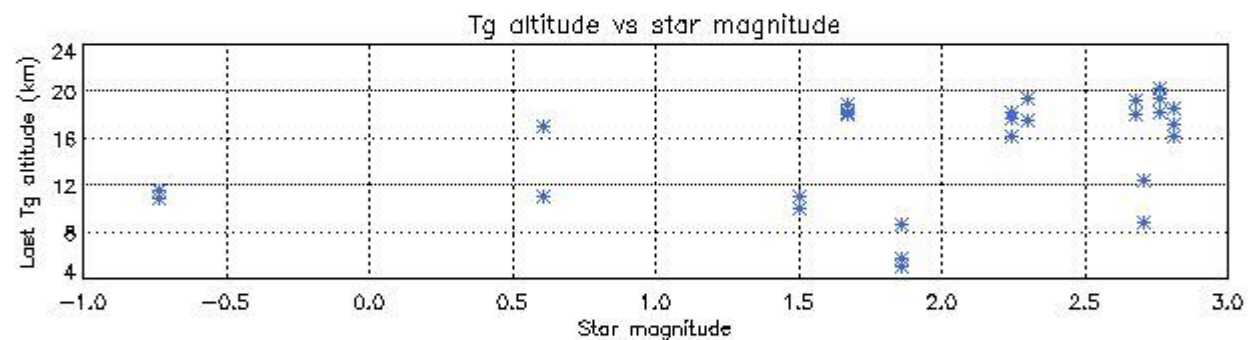
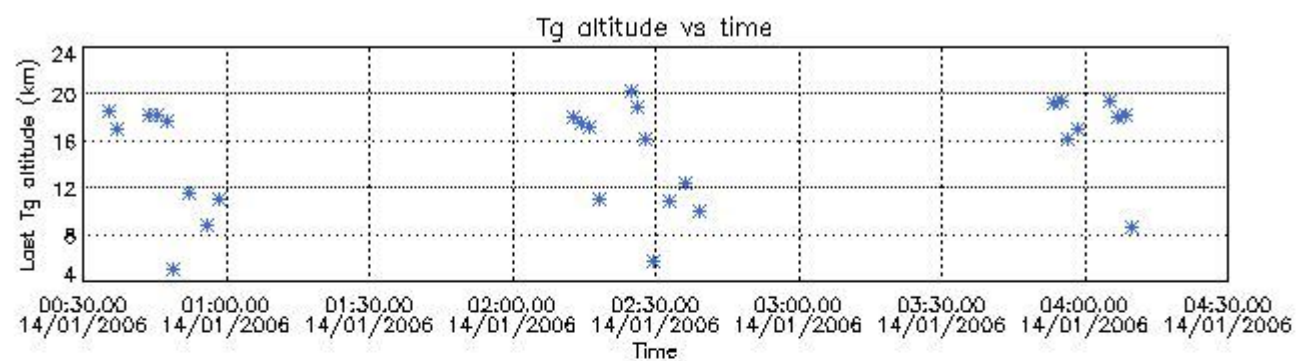
## 6. Statistics and plot of tangent altitude of the last measurement (DARK & BRIGHT products without errors)

### 6.1 Statistics on tangent altitude lost:

Statistics	DARK	BRIGHT	TWILIGHT
Mean:	14.992	16.696	13.923
St. deviation:	4.5105	4.7256	5.5845
Maximum:	20.305	23.182	19.310
Minimum:	5.0090	7.9693	3.2128
Number of data:	28.000	10.000	12.000

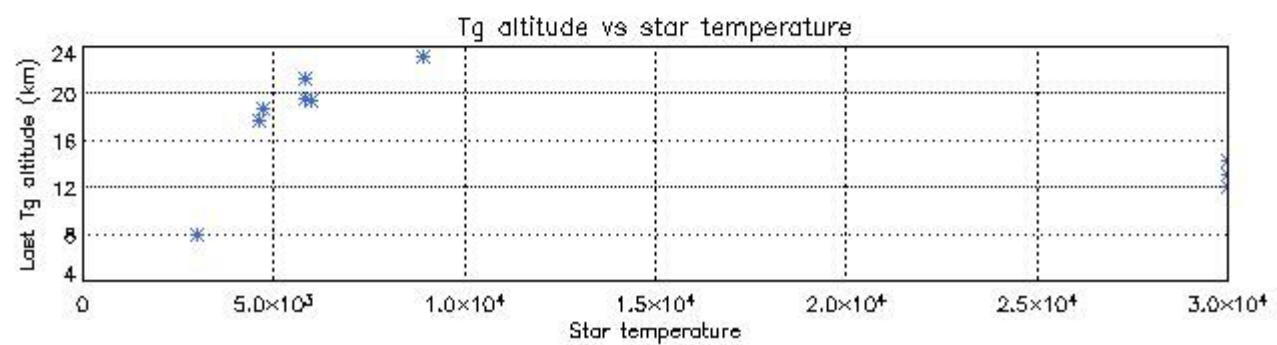
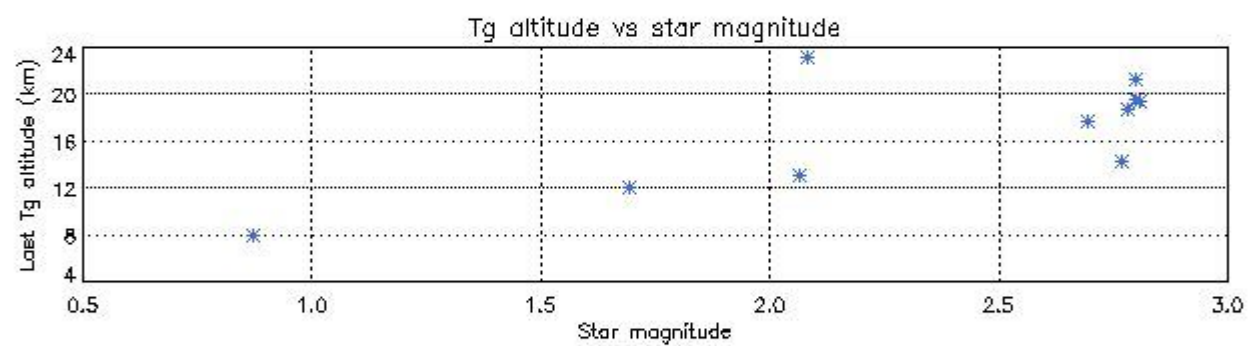
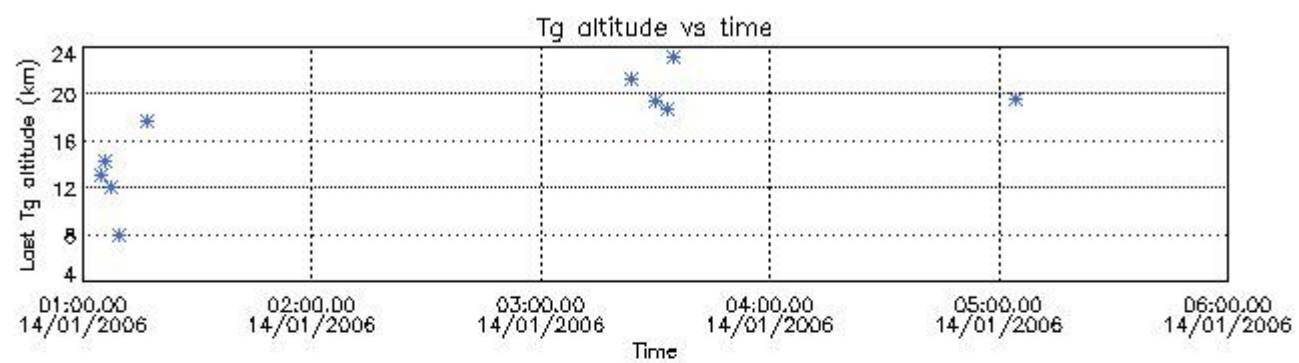
### 6.2 Plot for DARK limb products

Tangent altitude at which the star is lost



6.3 Plot for BRIGHT limb products

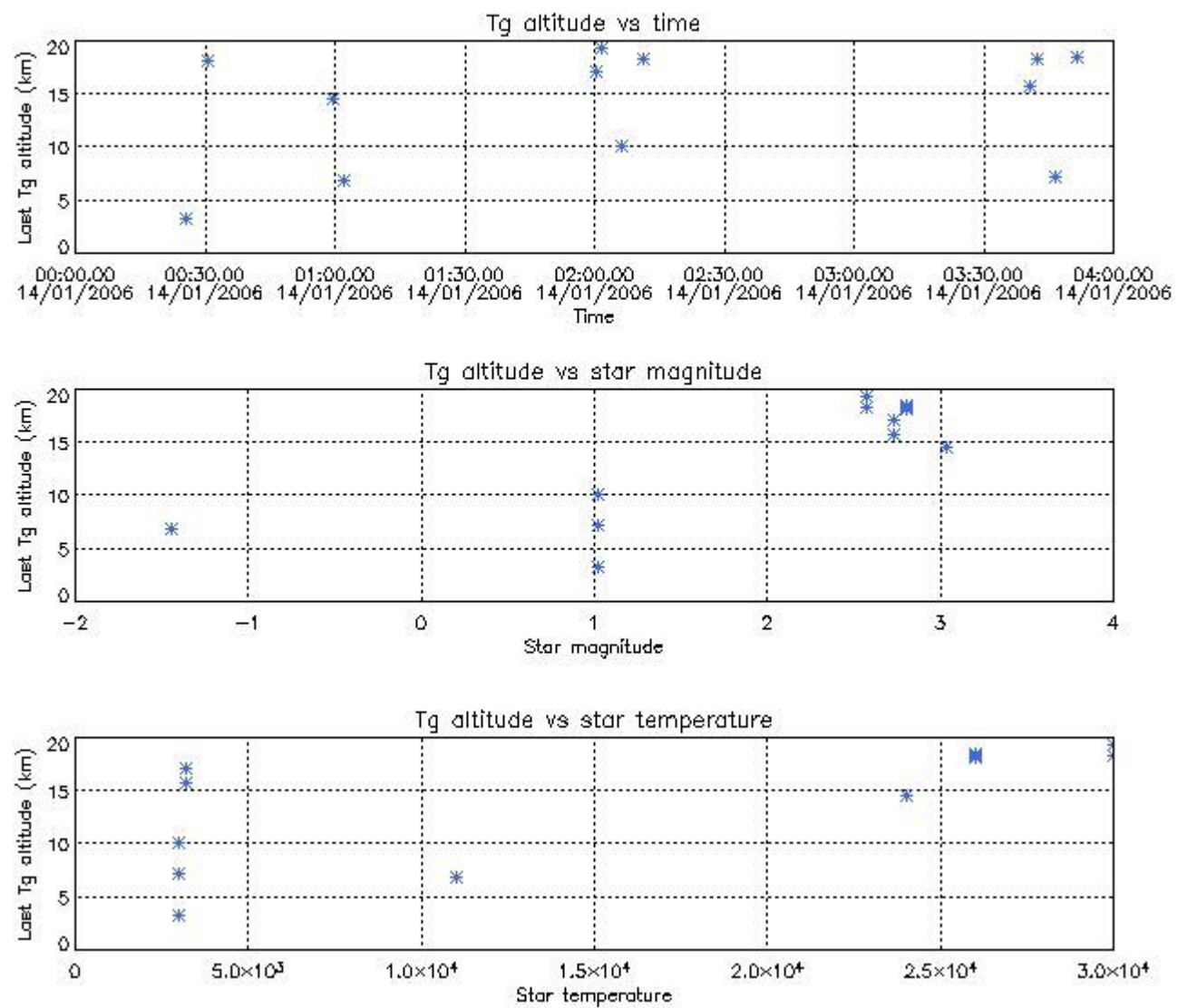
Tangent altitude at which the star is lost



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

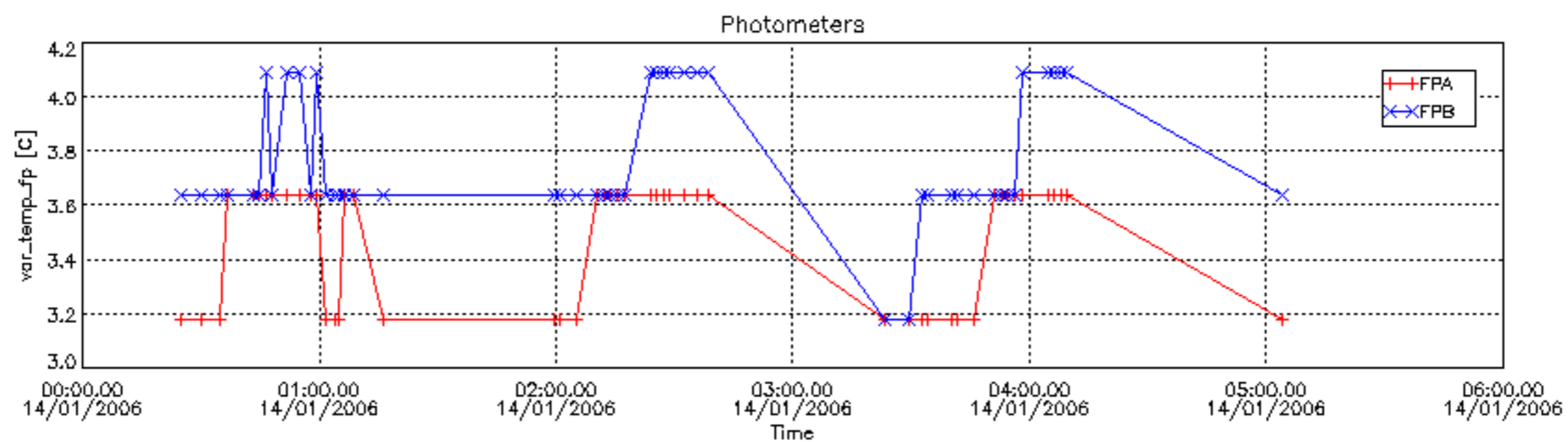
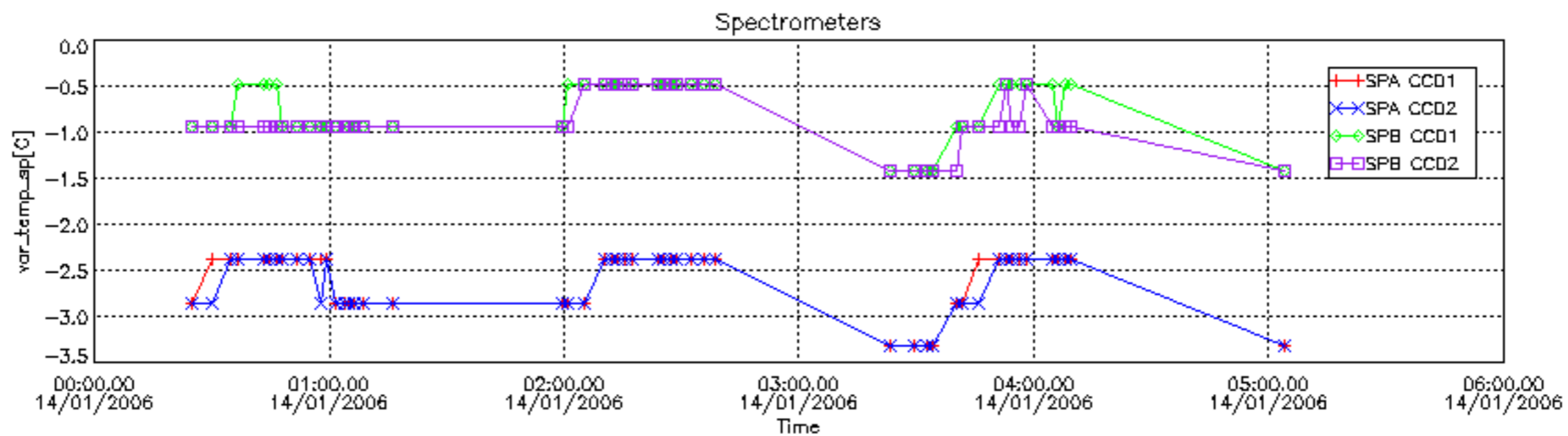
The Star Acquisition and Tracking Unit (it is the CCD that tracks the star while it is occulted) Noise Equivalent Angle consists of the statistical angular variation of the SATU data above the atmosphere. Statistics above 105 km are computed for every occultation, giving four values per occultation: 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:	1460.7	1446.1	1460.1	1445.8
St. deviation:	5.4814	9.2921	6.7483	9.7872
Maximum:	1498.0	1495.0	1493.0	1492.0
Minimum:	1454.0	1428.0	1432.0	1411.0
Number of data:	22200.	22200.	7350.0	7350.0

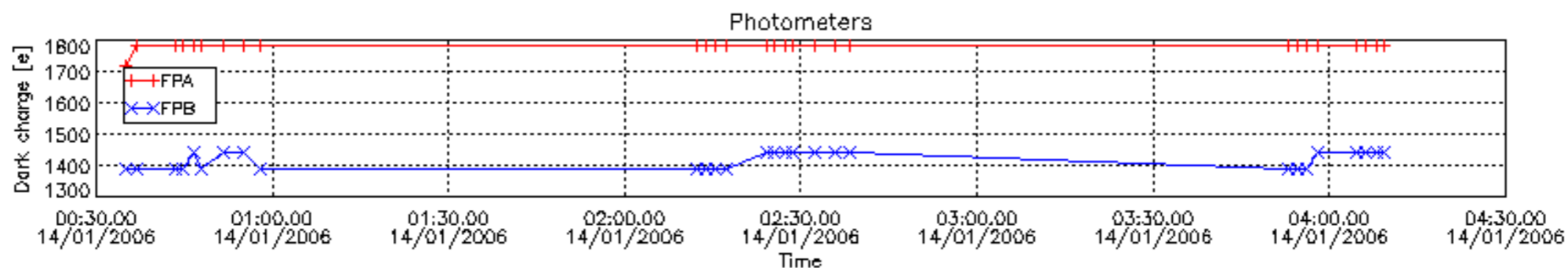
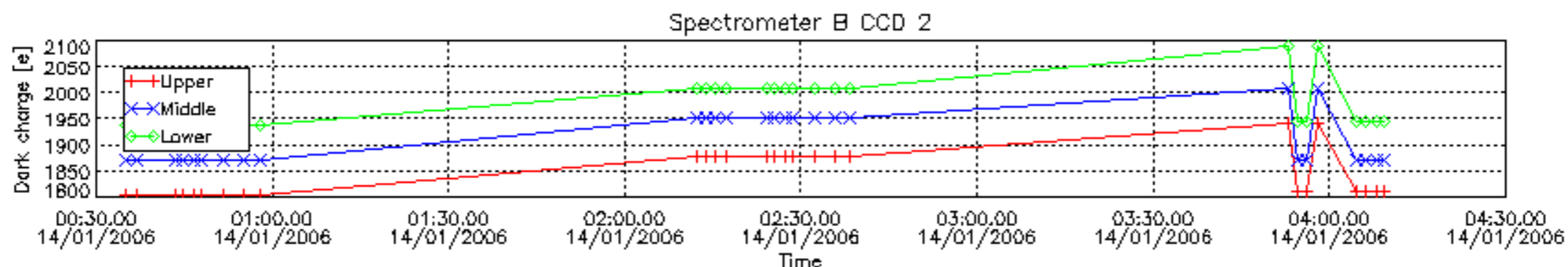
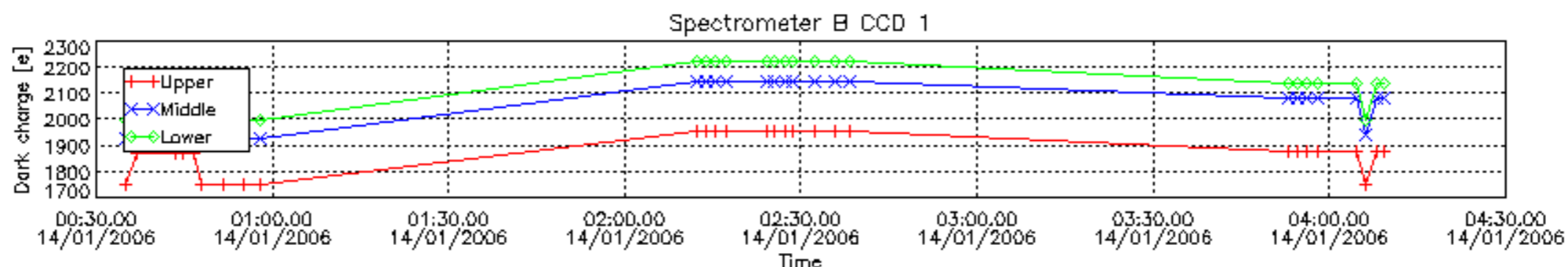
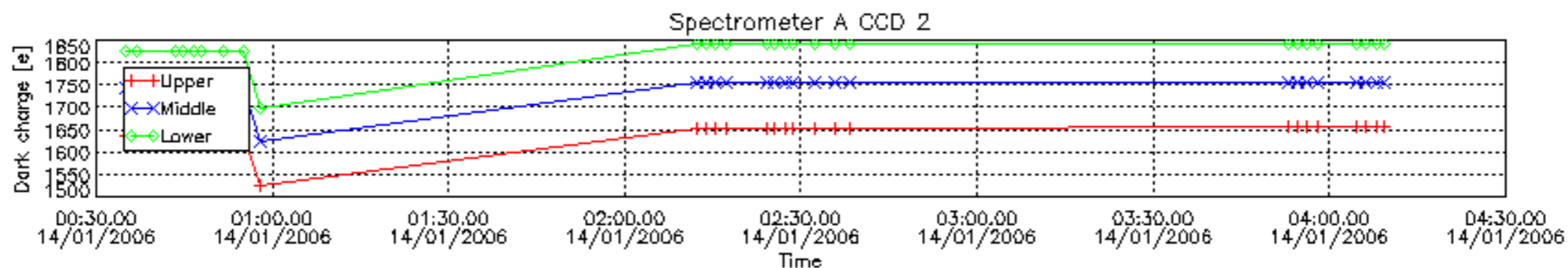
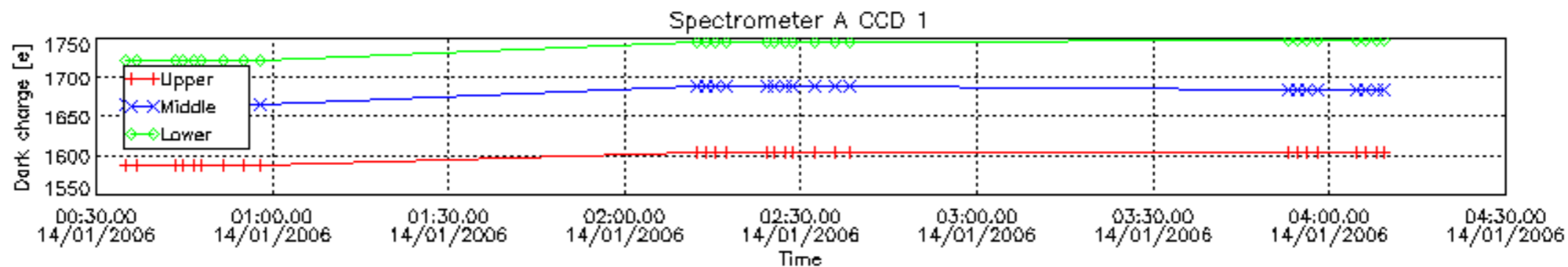
## 8. Auxiliary Data Files used for the production reported in section 2.2

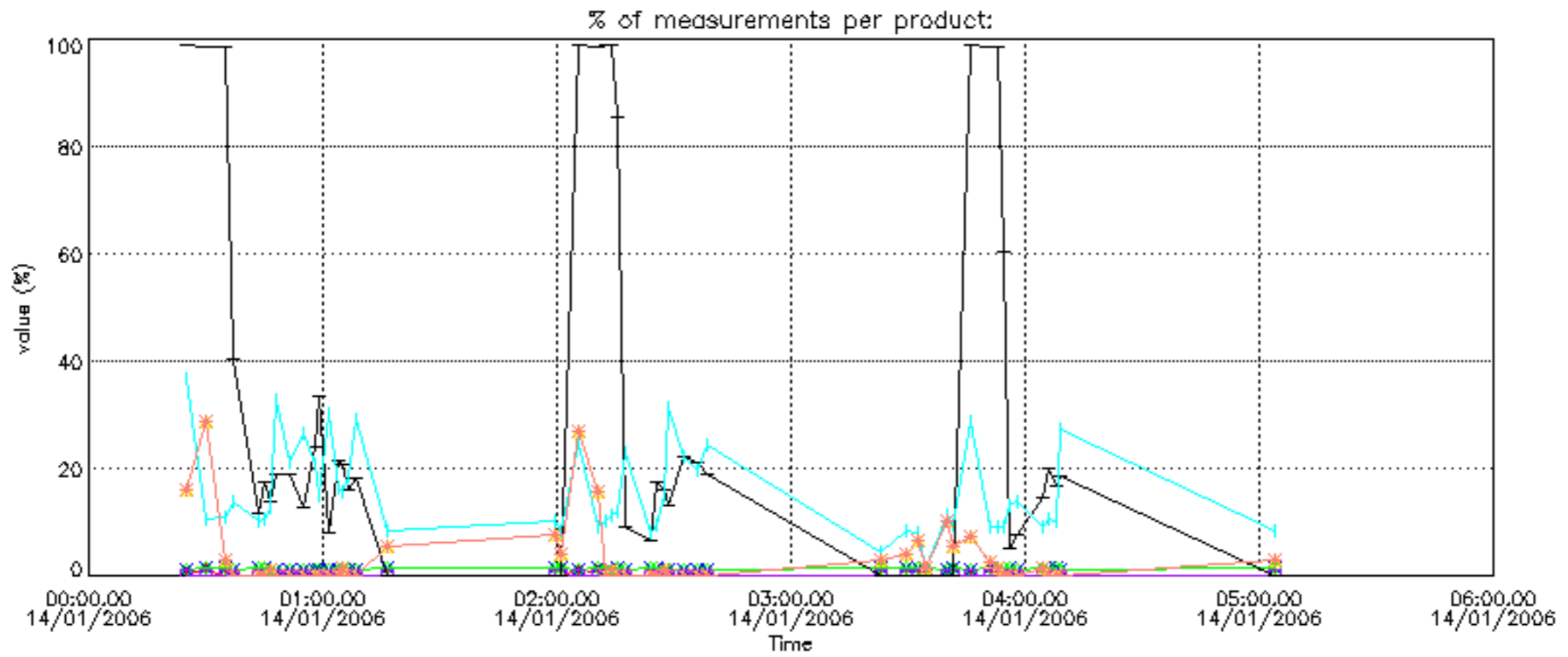
The number reported in the third column indicates since which file (see list in section 2.2) the corresponding auxiliary file has been used. The fourth column is the date of those product files.

Type	Auxiliary Filename	Used since product	Used since product date
INST_PHYS_CHARACTERISTICS	GOM_INS_AXVIEC20030716_105425_20030716_120000_20100101_000000	1	14-JAN-2006 00:24:45
CALIBRATION_DATABASE	GOM_CAL_AXVIEC20060111_114949_20060108_000000_20100101_000000	1	14-JAN-2006 00:24:45
LEVEL-1B_PROC_CONFIG	GOM_PR1_AXVIEC20040401_083133_20020324_200000_20100101_000000	1	14-JAN-2006 00:24:45
STAR_CATALOGUE	GOM_CAT_AXVIEC20020121_161009_20020101_000000_20200101_000000	1	14-JAN-2006 00:24:45
STELLAR_SPECTRA_DATABANK	GOM_STS_AXVIEC20020121_165822_20020101_000000_20200101_000000	1	14-JAN-2006 00:24:45
ECMWF_FILE	AUX_ECF_AXNECM20060113_060344_20060113_210000_20060114_090000	1	14-JAN-2006 00:24:45
ECMWF_FILE	AUX_ECF_AXNECM20060113_192742_20060114_030000_20060114_150000	34	14-JAN-2006 03:23:12
OPTIONAL_ECMWF_FILE	NOT USED	1	14-JAN-2006 00:24:45
ORBIT_DATA_FILE	AUX_FRO_AXVPDS20060112_135323_20051230_000000_20060118_215634	1	14-JAN-2006 00:24:45

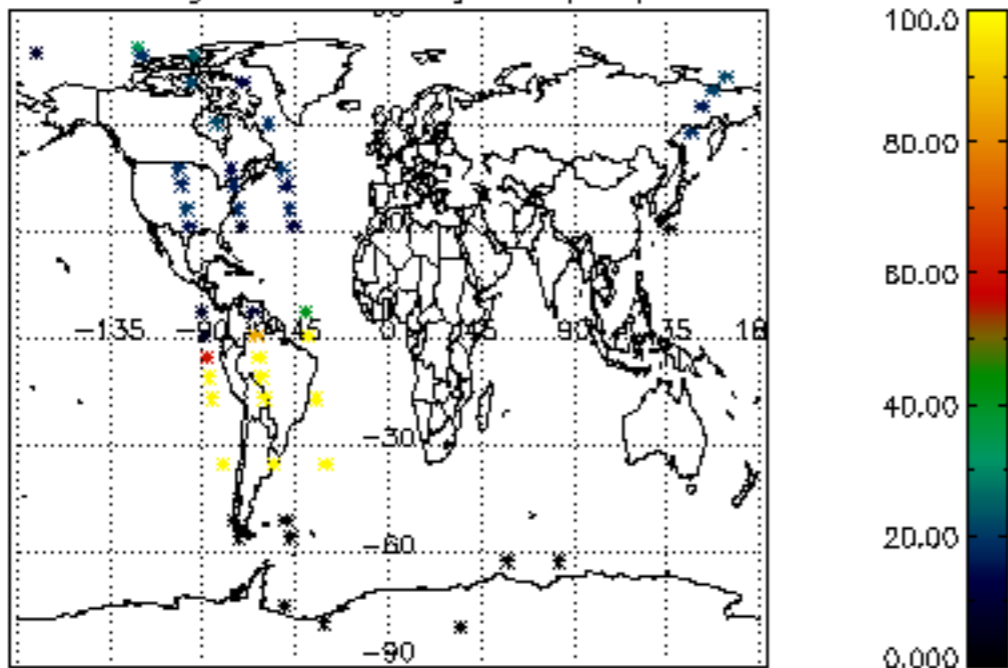




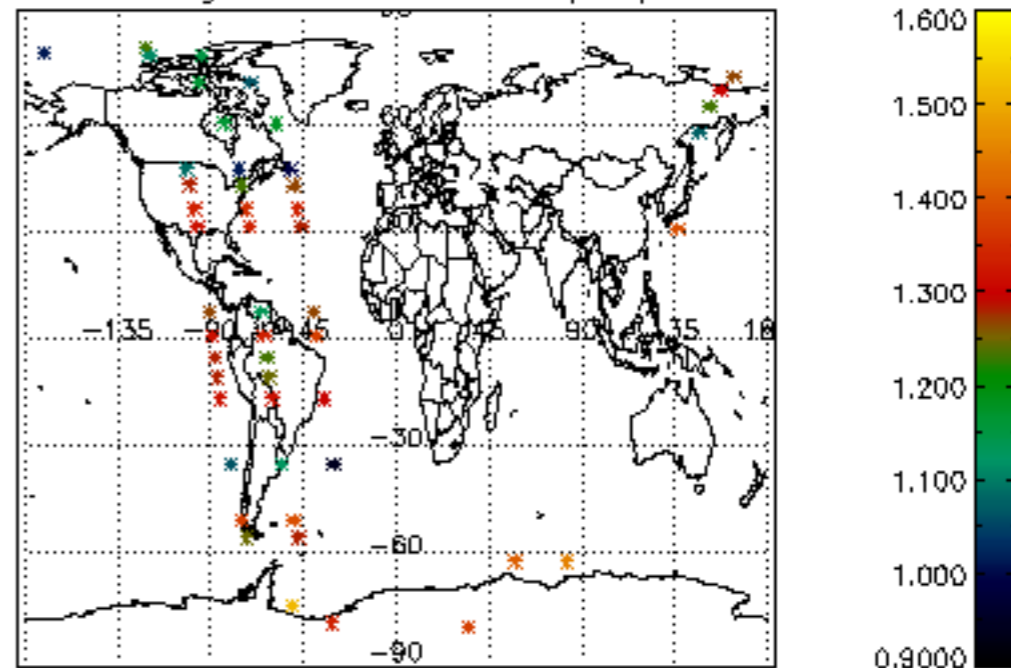




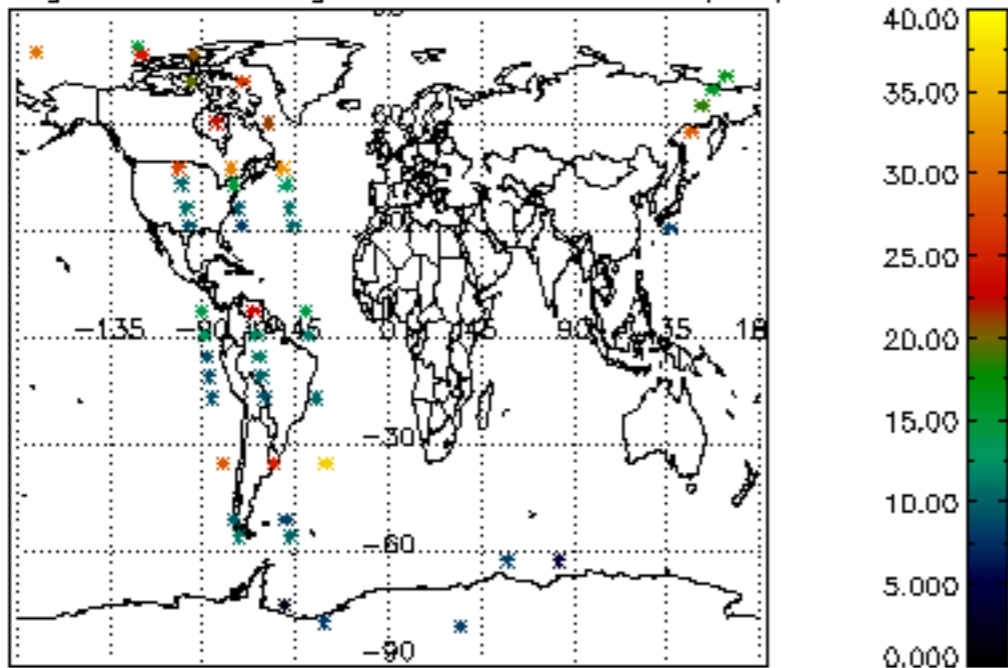
Percentage of cosmic ray hits per profile



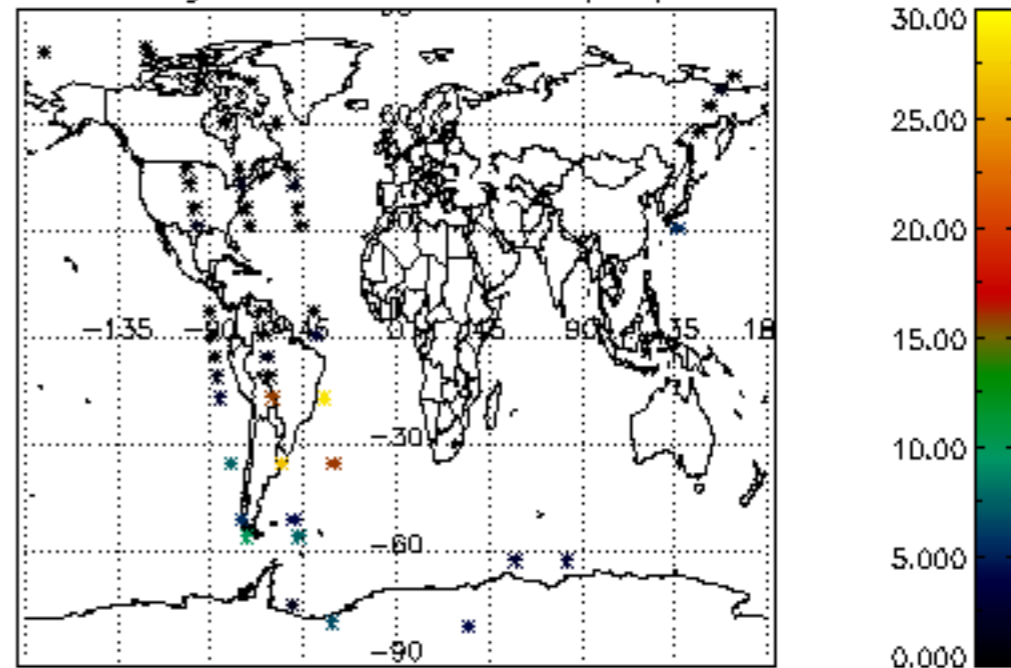
Percentage of datation errors per profile



Percentage of star falling outside central band per profile

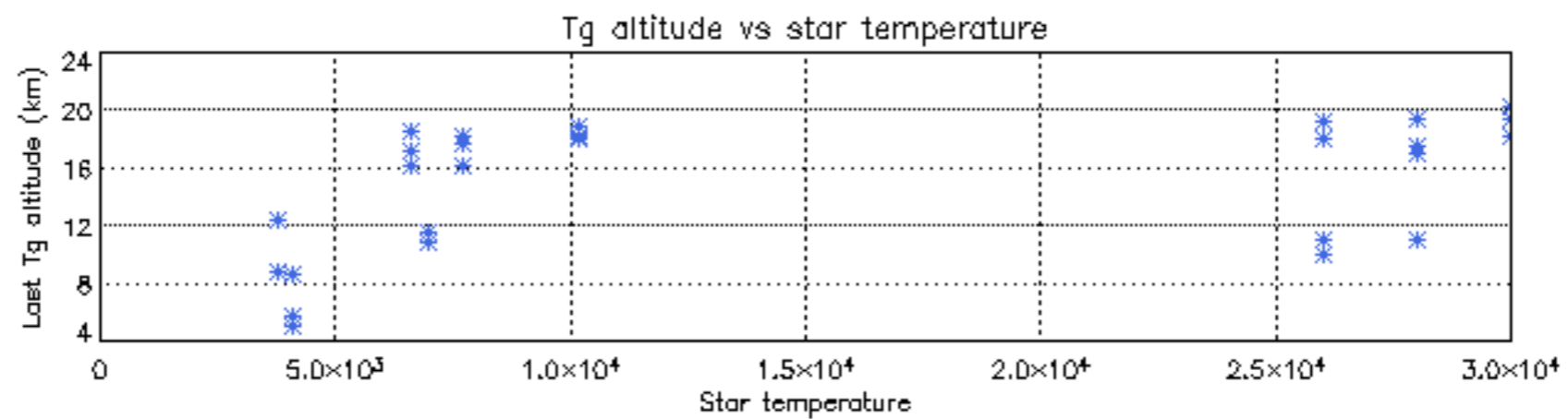
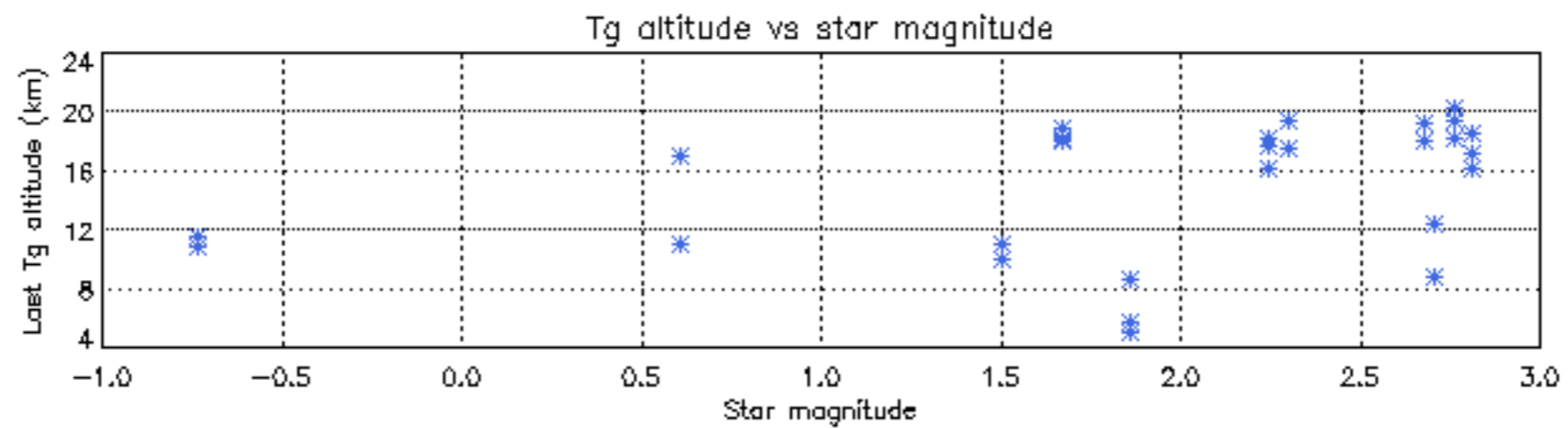
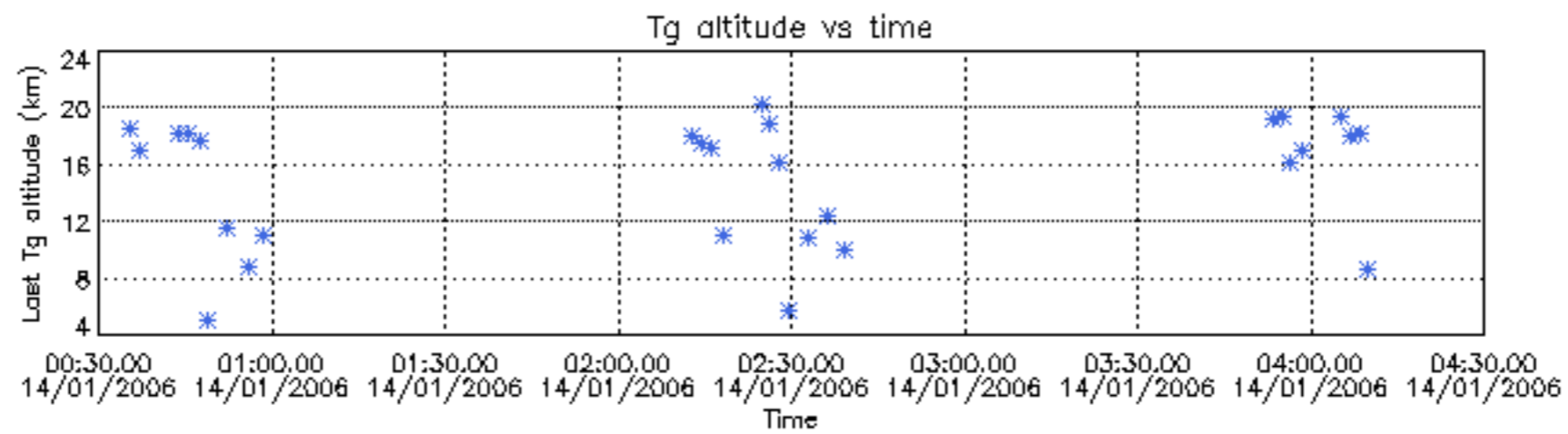


Percentage of saturation errors per profile

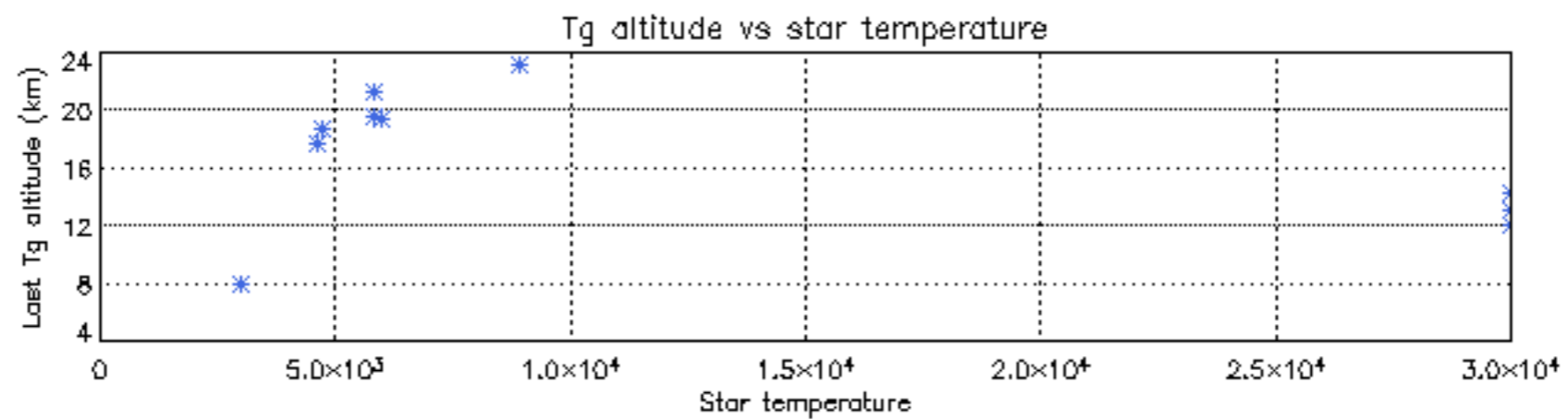
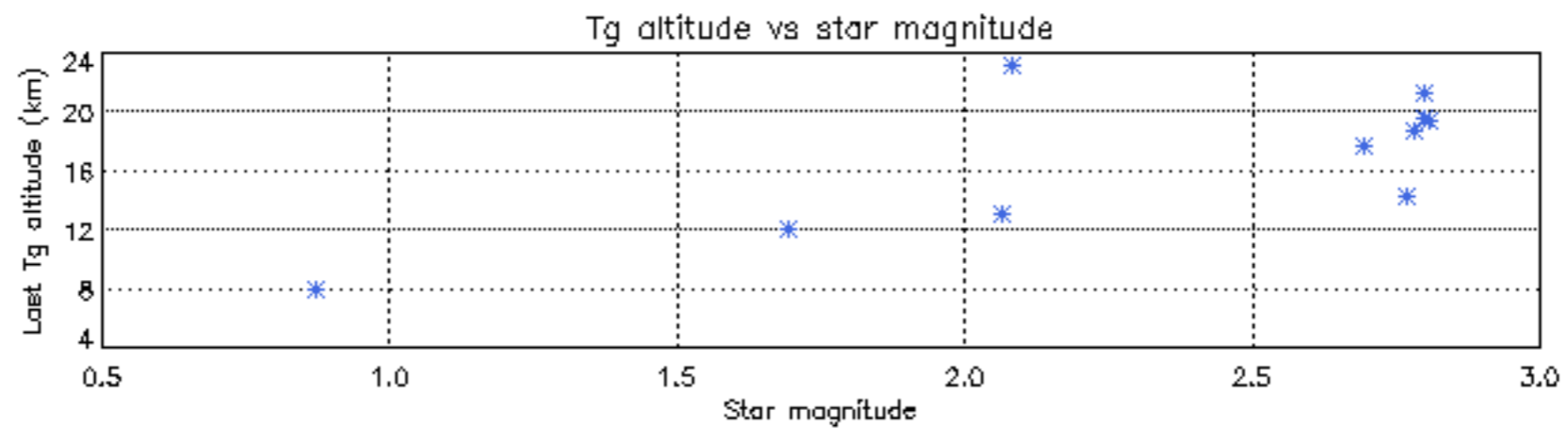
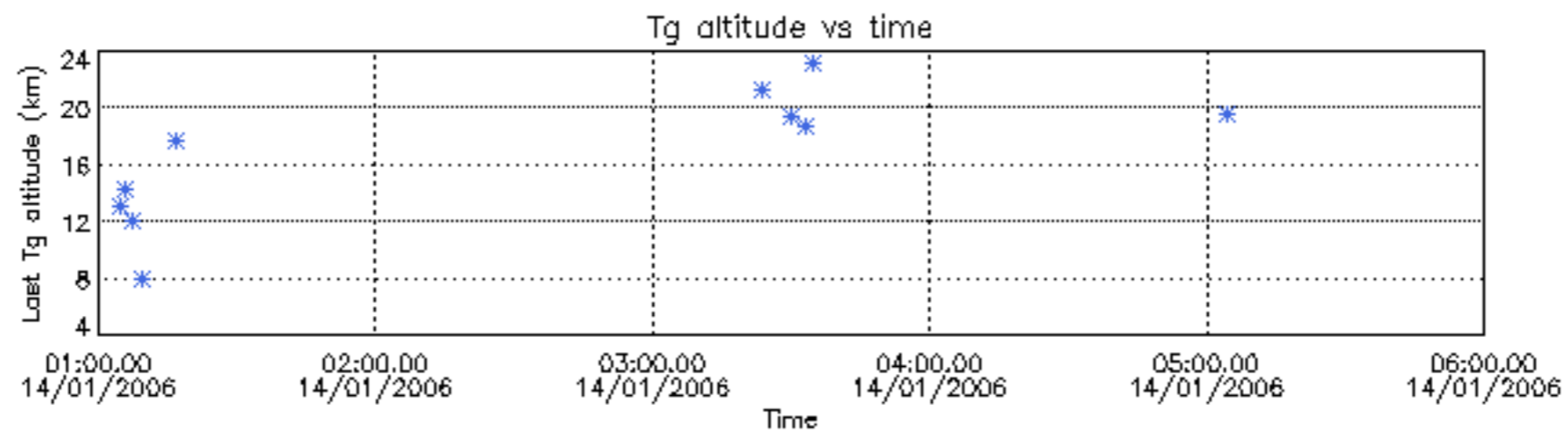




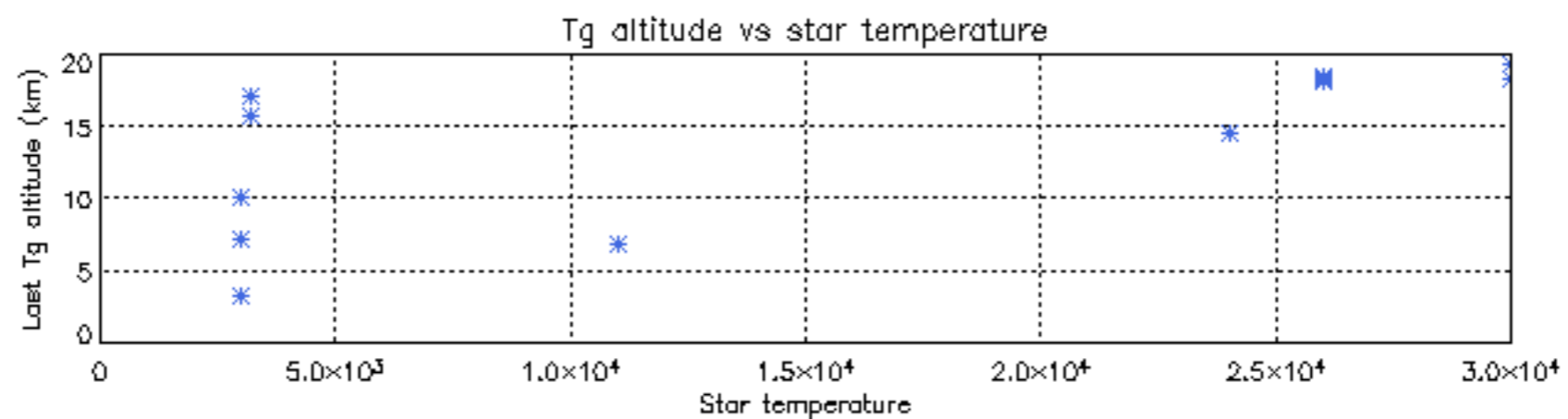
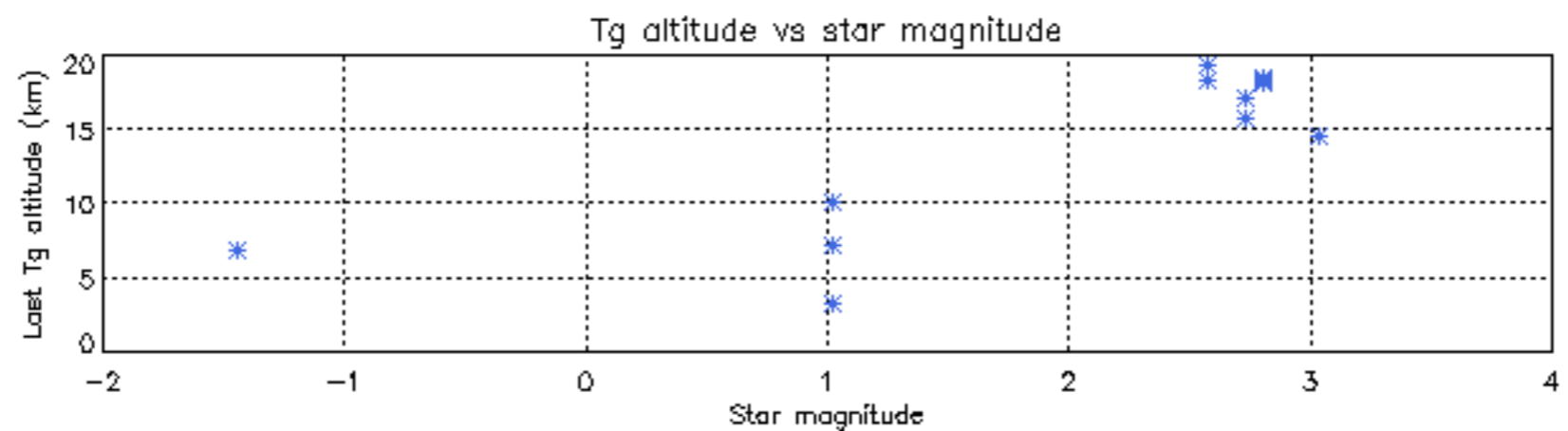
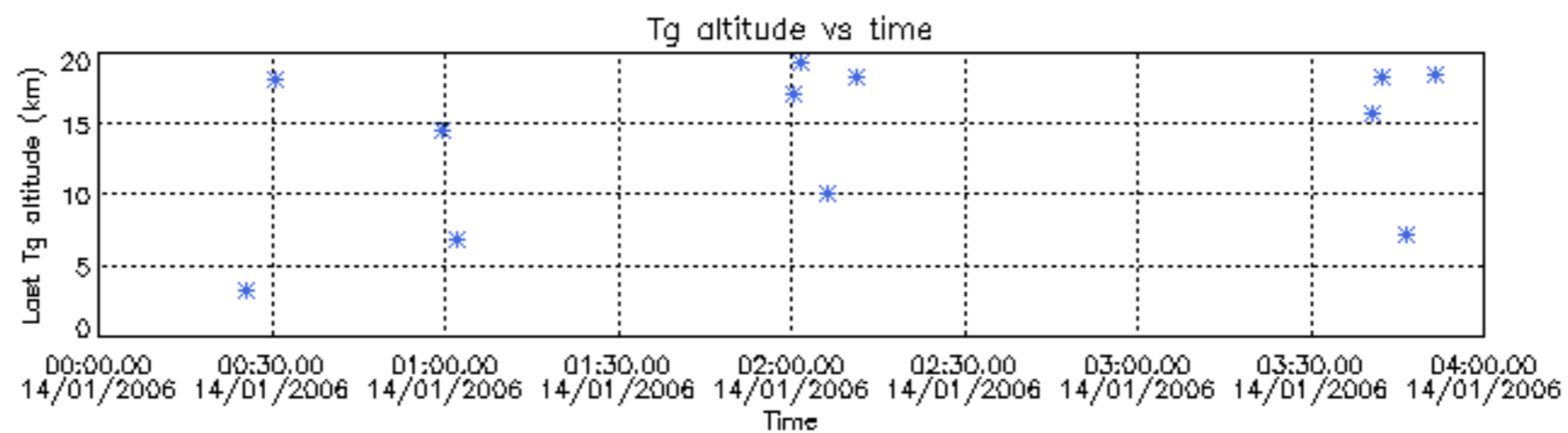
Tangent altitude at which the star is lost



Tangent altitude at which the star is lost



Tangent altitude at which the star is lost





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 9; 6666.8; 01-JAN-2006 00:53:52; Dark ; 38.0; 71; Iot Car ; 2.25; 7700;occ; 76; 0;20067  
 10; 6762.0; 01-JAN-2006 00:55:27; Dark ; 52.5; 41; Eps Car ; 1.86; 4100;occ; 105; 0;20067  
 11; 7015.0; 01-JAN-2006 00:59:40; Dark ; 44.5; 2; Alp Car ; -0.74; 7000;occ; 89; 0;20067  
 12; 7357.0; 01-JAN-2006 01:05:22; Dark ; 40.5; 108; Alp Col ; 2.65; 15200;occ; 81; 0;20067  
 13; 7634.1; 01-JAN-2006 01:09:59; Dark ; 42.0; 101; 11Alp Lep ; 2.58; 7000;occ; 84; 0;20067  
 14; 7805.8; 01-JAN-2006 01:12:51; Dark ; 50.5; 7; 19Bet Ori ; 0.10; 14000;occ; 101; 0;20067  
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 19; 8508.4; 01-JAN-2006 01:24:34; Bright; 38.0; 114; 3Iot Aur ; 2.69; 4600;occ; 76; 0;20067  
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 29; 10926.7; 01-JAN-2006 02:04:52; Bright; 36.5; 102; 24Alp Ser ; 2.60; 4250;occ; 73; 0;20067  
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 8;-3561.4; 03-JAN-2006 15:26:43; Bright; 37.5; 114; 3Iot Aur ; 2.69; 4600;occ; 75; 0;20105  
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 12;-2112.3; 03-JAN-2006 15:50:52; Bright; 36.5; 119; 14Eta Dra ; 2.73; 4700;occ; 73; 0;20105  
 13;-1980.6; 03-JAN-2006 15:53:04; Bright; 32.5; 130; 23Bet Dra ; 2.80; 5800;occ; 65; 0;20105  
 14;-1607.6; 03-JAN-2006 15:59:17; Bright; 34.5; 133; 40Zet Her ; 2.81; 6000;occ; 69; 0;20105  
 15;-1430.4; 03-JAN-2006 16:02:14; Bright; 35.5; 127; 27Bet Her ; 2.78; 4700;occ; 71; 0;20105  
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 17;-996.2; 03-JAN-2006 16:09:28; Bright; 34.5; 120; 1Del Oph ; 2.73; 3200;occ; 69; 0;20105  
 18;-613.2; 03-JAN-2006 16:15:51; Dark ; 39.5; 158; 6Pi Sco ; 2.91; 28000;occ; 79; 0;20105  
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 27; 651.4; 03-JAN-2006 16:36:56; Dark ; 39.5; 71; Iot Car ; 2.25; 7700;occ; 79; 0;20106  
 28; 742.9; 03-JAN-2006 16:38:27; Dark ; 42.5; 41; Eps Car ; 1.86; 4100;occ; 85; 0;20106  
 29; 989.1; 03-JAN-2006 16:42:34; Dark ; 46.0; 2; Alp Car ;-0.74; 7000;occ; 92; 0;20106

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 23;-77.5; 03-JAN-2006 19:45:59; Dark ; 18.0; 95; Zet Cen ; 2.55; 26000;occ; 36; 0;20107  
 24; 12.8; 03-JAN-2006 19:47:29; Dark ; 41.5; 4; Alp1Cen ;-0.01; 5800;occ; 83; 0;20108  
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 28; 652.4; 03-JAN-2006 19:58:09; Dark ; 38.5; 71; Iot Car ; 2.25; 7700;occ; 77; 0;20108  
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 3;-4151.4; 03-JAN-2006 10:15:05; Dark ; 41.0; 30; 46Eps Ori ; 1.69; 30000;occ; 82; 0;20102  
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 5;-3828.4; 03-JAN-2006 10:20:28; Bright; 44.5; 13; 87Alp Tau ; 0.87; 3800;occ; 89; 0;20102  
 6;-3639.8; 03-JAN-2006 10:23:37; Bright; 36.5; 28; 12Bet Tau ; 1.65; 15200;occ; 73; 0;20102  
 7;-3561.3; 03-JAN-2006 10:24:55; Bright; 35.5; 114; 3Iot Aur ; 2.69; 4600;occ; 71; 0;20102



8;-3414.4; 03-JAN-2006 10:27:22; Bright; 34.0; 149; 45Eps Per ; 2.89; 30000;occ; 68; 0;20102  
9;-3276.4; 03-JAN-2006 10:29:40; Bright; 35.0; 175; 39Del Per ; 3.01; 19400;occ; 70; 0;20102  
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13;-1607.8; 03-JAN-2006 10:57:29; Bright; 52.0; 133; 40Zet Her ; 2.81; 6000;occ; 104; 0;20102  
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16;-996.8; 03-JAN-2006 11:07:40; Bright; 34.0; 120; 1Del Oph ; 2.73; 3200;occ; 68; 0;20102  
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24; 410.3; 03-JAN-2006 11:31:07; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;20103  
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27; 741.8; 03-JAN-2006 11:36:38; Dark ; 48.0; 41; Eps Car ; 1.86; 4100;occ; 96; 0;20103  
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29; 1328.3; 03-JAN-2006 11:46:25; Dark ; 34.5; 108; Alp Col ; 2.65; 15200;occ; 69; 0;20103

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13;-1607.6; 03-JAN-2006 12:38:05; Bright; 33.0; 133; 40Zet Her ; 2.81; 6000;occ; 66; 0;20103  
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28; 988.8; 03-JAN-2006 13:21:21; Dark ; 44.5; 2; Alp Car ; -0.74; 7000;occ; 89; 0;20104  
29; 1328.5; 03-JAN-2006 13:27:01; Dark ; 38.0; 108; Alp Col ; 2.65; 15200;occ; 76; 0;20104

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9; 6690.1; 04-JAN-2006 00:59:58; Dark ; 40.0; 71; Iot Car ; 2.25; 7700;occ; 80; 0;20110  
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 22; 6291.2; 04-JAN-2006 09:16:19; Dark ; 41.0; 12; Alp1Cru ; 0.77; 30000;occ; 82; 0;20115  
 23; 6450.0; 04-JAN-2006 09:18:57; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;20115  
 24; 6601.2; 04-JAN-2006 09:21:29; Dark ; 37.5; 29; Bet Car ; 1.67; 10200;occ; 75; 0;20115  
 25; 6692.7; 04-JAN-2006 09:23:00; Dark ; 39.0; 71; Iot Car ; 2.25; 7700;occ; 78; 0;20115  
 26; 6783.2; 04-JAN-2006 09:24:31; Dark ; 50.5; 41; Eps Car ; 1.86; 4100;occ; 101; 0;20115  
 27; 7027.7; 04-JAN-2006 09:28:35; Dark ; 42.5; 2; Alp Car ; -0.74; 7000;occ; 85; 0;20115  
 28; 7366.8; 04-JAN-2006 09:34:14; Dark ; 38.0; 108; Alp Col ; 2.65; 15200;occ; 76; 0;20115  
 29; 7642.2; 04-JAN-2006 09:38:50; Dark ; 38.5; 101; 11Alp Lep ; 2.58; 7000;occ; 77; 0;20115

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1; -4429.5; 04-JAN-2006 09:38:50; Dark ; 39.0; 101; 11Alp Lep ; 2.58; 7000;occ; 78; 0;20116  
 2; -4258.8; 04-JAN-2006 09:41:40; Dark ; 51.0; 7; 19Bet Ori ; 0.10; 14000;occ; 102; 0;20116  
 3; -4150.3; 04-JAN-2006 09:43:29; Dark ; 41.5; 30; 46Eps Ori ; 1.69; 30000;occ; 83; 0;20116  
 4; -4018.8; 04-JAN-2006 09:45:40; Dark ; 40.5; 27; 24Gam Ori ; 1.64; 26000;occ; 81; 0;20116

5;-3825.6; 04-JAN-2006 09:48:54; Bright; 41.5; 13; 87Alp Tau ; 0.87; 3800;occ; 83; 0;20116  
6;-3640.2; 04-JAN-2006 09:51:59; Bright; 36.0; 28; 12Bet Tau ; 1.65; 15200;occ; 72; 0;20116  
7;-3560.4; 04-JAN-2006 09:53:19; Bright; 37.5; 114; 3Iot Aur ; 2.69; 4600;occ; 75; 0;20116  
8;-3410.5; 04-JAN-2006 09:55:49; Bright; 34.5; 149; 45Eps Per ; 2.89; 30000;occ; 69; 0;20116  
9;-3272.6; 04-JAN-2006 09:58:07; Bright; 34.5; 175; 39Del Per ; 3.01; 19400;occ; 69; 0;20116  
10;-2611.8; 04-JAN-2006 10:09:07; Bright; 34.0; 49; 1Alp UMi ; 1.99; 6300;occ; 68; 0;20116  
11;-2111.7; 04-JAN-2006 10:17:28; Bright; 35.5; 119; 14Eta Dra ; 2.73; 4700;occ; 71; 0;20116  
12;-1978.6; 04-JAN-2006 10:19:41; Bright; 35.0; 130; 23Bet Dra ; 2.80; 5800;occ; 70; 0;20116  
13;-1605.6; 04-JAN-2006 10:25:54; Bright; 52.0; 133; 40Zet Her ; 2.81; 6000;occ; 104; 0;20116  
14;-1428.1; 04-JAN-2006 10:28:51; Bright; 35.5; 127; 27Bet Her ; 2.78; 4700;occ; 71; 0;20116  
15;-1129.4; 04-JAN-2006 10:33:50; Bright; 55.0; 102; 24Alp Ser ; 2.60; 4250;occ; 110; 0;20116  
16; -992.9; 04-JAN-2006 10:36:06; Bright; 34.5; 120; 1Del Oph ; 2.73; 3200;occ; 69; 0;20116  
17; -719.1; 04-JAN-2006 10:40:40; Bright; 50.0; 97; 8Bet1Sco ; 2.56; 30000;occ; 100; 0;20116  
18; -609.5; 04-JAN-2006 10:42:30; Dark ; 38.0; 158; 6Pi Sco ; 2.91; 28000;occ; 76; 0;20116  
19; -342.5; 04-JAN-2006 10:46:57; Dark ; 37.5; 131; Gam Lup ; 2.80; 26000;occ; 75; 0;20116  
20; -257.4; 04-JAN-2006 10:48:22; Dark ; 37.5; 109; Bet Lup ; 2.68; 26000;occ; 75; 0;20116  
21; -168.1; 04-JAN-2006 10:49:51; Dark ; 40.5; 78; Alp Lup ; 2.30; 28000;occ; 81; 0;20116  
22; 16.1; 04-JAN-2006 10:52:55; Dark ; 50.5; 4; Alp1Cen ;-0.01; 5800;occ; 101; 0;20117  
23; 255.8; 04-JAN-2006 10:56:55; Dark ; 39.5; 12; Alp1Cru ; 0.77; 30000;occ; 79; 0;20117  
24; 414.4; 04-JAN-2006 10:59:34; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;20117  
25; 565.5; 04-JAN-2006 11:02:05; Dark ; 37.0; 29; Bet Car ; 1.67; 10200;occ; 74; 0;20117  
26; 657.3; 04-JAN-2006 11:03:37; Dark ; 49.0; 71; Iot Car ; 2.25; 7700;occ; 98; 0;20117  
27; 747.7; 04-JAN-2006 11:05:07; Dark ; 47.5; 41; Eps Car ; 1.86; 4100;occ; 95; 0;20117  
28; 992.0; 04-JAN-2006 11:09:11; Dark ; 44.5; 2; Alp Car ;-0.74; 7000;occ; 89; 0;20117  
29; 1331.2; 04-JAN-2006 11:14:50; Dark ; 35.0; 108; Alp Col ; 2.65; 15200;occ; 70; 0;20117  
30; 1606.4; 04-JAN-2006 11:19:26; Dark ; 6.0; 101; 11Alp Lep ; 2.58; 7000;occ; 12; 0;20117

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4;-4018.7; 04-JAN-2006 11:26:16; Dark ; 37.0; 27; 24Gam Ori ; 1.64; 26000;occ; 74; 0;20117  
5;-3825.4; 04-JAN-2006 11:29:30; Bright; 42.0; 13; 87Alp Tau ; 0.87; 3800;occ; 84; 0;20117  
6;-3640.3; 04-JAN-2006 11:32:35; Bright; 37.0; 28; 12Bet Tau ; 1.65; 15200;occ; 74; 0;20117  
7;-3560.4; 04-JAN-2006 11:33:55; Bright; 37.0; 114; 3Iot Aur ; 2.69; 4600;occ; 74; 0;20117  
8;-3410.3; 04-JAN-2006 11:36:25; Bright; 35.0; 149; 45Eps Per ; 2.89; 30000;occ; 70; 0;20117  
9;-3272.3; 04-JAN-2006 11:38:43; Bright; 34.0; 175; 39Del Per ; 3.01; 19400;occ; 68; 0;20117  
10;-2611.7; 04-JAN-2006 11:49:43; Bright; 32.5; 49; 1Alp UMi ; 1.99; 6300;occ; 65; 0;20117  
11;-2111.8; 04-JAN-2006 11:58:03; Bright; 34.0; 119; 14Eta Dra ; 2.73; 4700;occ; 68; 0;20117  
12;-1978.5; 04-JAN-2006 12:00:17; Bright; 32.5; 130; 23Bet Dra ; 2.80; 5800;occ; 65; 0;20117  
13;-1605.5; 04-JAN-2006 12:06:30; Bright; 33.5; 133; 40Zet Her ; 2.81; 6000;occ; 67; 0;20117  
14;-1427.9; 04-JAN-2006 12:09:27; Bright; 34.0; 127; 27Bet Her ; 2.78; 4700;occ; 68; 0;20117  
15;-1129.1; 04-JAN-2006 12:14:26; Bright; 36.0; 102; 24Alp Ser ; 2.60; 4250;occ; 72; 0;20117  
16; -992.7; 04-JAN-2006 12:16:42; Bright; 33.5; 120; 1Del Oph ; 2.73; 3200;occ; 67; 0;20117  
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21; -167.6; 04-JAN-2006 12:30:28; Dark ; 38.0; 78; Alp Lup ; 2.30; 28000;occ; 76; 0;20117  
22; 16.4; 04-JAN-2006 12:33:32; Dark ; 42.5; 4; Alp1Cen ;-0.01; 5800;occ; 85; 0;20118  
23; 256.3; 04-JAN-2006 12:37:31; Dark ; 39.5; 12; Alp1Cru ; 0.77; 30000;occ; 79; 0;20118  
24; 414.7; 04-JAN-2006 12:40:10; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;20118  
25; 565.9; 04-JAN-2006 12:42:41; Dark ; 38.0; 29; Bet Car ; 1.67; 10200;occ; 76; 0;20118  
26; 657.9; 04-JAN-2006 12:44:13; Dark ; 39.5; 71; Iot Car ; 2.25; 7700;occ; 79; 0;20118  
27; 748.1; 04-JAN-2006 12:45:43; Dark ; 52.5; 41; Eps Car ; 1.86; 4100;occ; 105; 0;20118  
28; 992.2; 04-JAN-2006 12:49:47; Dark ; 43.5; 2; Alp Car ;-0.74; 7000;occ; 87; 0;20118  
29; 1331.2; 04-JAN-2006 12:55:26; Dark ; 38.0; 108; Alp Col ; 2.65; 15200;occ; 76; 0;20118

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1; 1606.4; 04-JAN-2006 13:00:02; Dark ; 41.5; 101; 11Alp Lep ; 2.58; 7000;occ; 83; 0;20118  
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3; 1885.8; 04-JAN-2006 13:04:41; Dark ; 42.0; 30; 46Eps Ori ; 1.69; 30000;occ; 84; 0;20118  
4; 2031.8; 04-JAN-2006 13:07:07; Dark ; 11.0; 14; 58Alp Ori ; 0.87; 3000;occ; 22; 0;20118  
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6; 2395.5; 04-JAN-2006 13:13:11; Bright; 37.5; 28; 12Bet Tau ; 1.65; 15200;occ; 75; 0;20118  
7; 2475.5; 04-JAN-2006 13:14:31; Bright; 37.0; 114; 3Iot Aur ; 2.69; 4600;occ; 74; 0;20118  
8; 2625.9; 04-JAN-2006 13:17:01; Bright; 35.5; 149; 45Eps Per ; 2.89; 30000;occ; 71; 0;20118  
9; 2763.9; 04-JAN-2006 13:19:19; Bright; 34.5; 175; 39Del Per ; 3.01; 19400;occ; 69; 0;20118  
10; 3424.2; 04-JAN-2006 13:30:19; Bright; 33.0; 49; 1Alp UMi ; 1.99; 6300;occ; 66; 0;20118  
11; 3924.2; 04-JAN-2006 13:38:39; Bright; 35.5; 119; 14Eta Dra ; 2.73; 4700;occ; 71; 0;20118



12; 4057.6; 04-JAN-2006 13:40:53; Bright; 32.5; 130; 23Bet Dra ; 2.80; 5800;occ; 65; 0;20118  
 13; 4430.7; 04-JAN-2006 13:47:06; Bright; 52.0; 133; 40Zet Her ; 2.81; 6000;occ; 104; 0;20118  
 14; 4608.3; 04-JAN-2006 13:50:03; Bright; 35.5; 127; 27Bet Her ; 2.78; 4700;occ; 71; 0;20118  
 15; 4907.0; 04-JAN-2006 13:55:02; Bright; 35.5; 102; 24Alp Ser ; 2.60; 4250;occ; 71; 0;20118  
 16; 5043.5; 04-JAN-2006 13:57:19; Bright; 34.0; 120; 1Del Oph ; 2.73; 3200;occ; 68; 0;20118  
 17; 5317.6; 04-JAN-2006 14:01:53; Bright; 43.5; 97; 8Bet1Sco ; 2.56; 30000;occ; 87; 0;20118  
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 19; 5694.2; 04-JAN-2006 14:08:09; Dark ; 37.0; 131; Gam Lup ; 2.80; 26000;occ; 74; 0;20118  
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 21; 5868.8; 04-JAN-2006 14:11:04; Dark ; 39.0; 78; Alp Lup ; 2.30; 28000;occ; 78; 0;20118  
 22; 6052.7; 04-JAN-2006 14:14:08; Dark ; 42.0; 4; Alp1Cen ;-0.01; 5800;occ; 84; 0;20118  
 23; 6292.7; 04-JAN-2006 14:18:08; Dark ; 42.0; 12; Alp1Cru ; 0.77; 30000;occ; 84; 0;20118  
 24; 6450.9; 04-JAN-2006 14:20:46; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;20118  
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 26; 6694.3; 04-JAN-2006 14:24:49; Dark ; 40.0; 71; Iot Car ; 2.25; 7700;occ; 80; 0;20118  
 27; 6784.5; 04-JAN-2006 14:26:20; Dark ; 53.0; 41; Eps Car ; 1.86; 4100;occ; 106; 0;20118  
 28; 7028.4; 04-JAN-2006 14:30:24; Dark ; 45.0; 2; Alp Car ;-0.74; 7000;occ; 90; 0;20118  
 29; 7367.3; 04-JAN-2006 14:36:02; Dark ; 39.5; 108; Alp Col ; 2.65; 15200;occ; 79; 0;20118

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 7;-3560.5; 04-JAN-2006 14:55:07; Bright; 37.0; 114; 3Iot Aur ; 2.69; 4600;occ; 74; 0;20119  
 8;-3410.0; 04-JAN-2006 14:57:37; Bright; 34.5; 149; 45Eps Per ; 2.89; 30000;occ; 69; 0;20119  
 9;-3272.1; 04-JAN-2006 14:59:55; Bright; 33.5; 175; 39Del Per ; 3.01; 19400;occ; 67; 0;20119  
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 12;-1978.4; 04-JAN-2006 15:21:29; Bright; 33.0; 130; 23Bet Dra ; 2.80; 5800;occ; 66; 0;20119  
 13;-1605.3; 04-JAN-2006 15:27:42; Bright; 35.5; 133; 40Zet Her ; 2.81; 6000;occ; 71; 0;20119  
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 19; -341.4; 04-JAN-2006 15:48:46; Dark ; 37.0; 131; Gam Lup ; 2.80; 26000;occ; 74; 0;20119  
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 22; 16.9; 04-JAN-2006 15:54:44; Dark ; 51.0; 4; Alp1Cen ;-0.01; 5800;occ; 102; 0;20120  
 23; 257.1; 04-JAN-2006 15:58:44; Dark ; 40.0; 12; Alp1Cru ; 0.77; 30000;occ; 80; 0;20120  
 24; 415.1; 04-JAN-2006 16:01:22; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;20120  
 25; 566.4; 04-JAN-2006 16:03:54; Dark ; 38.5; 29; Bet Car ; 1.67; 10200;occ; 77; 0;20120  
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 27; 748.8; 04-JAN-2006 16:06:56; Dark ; 49.5; 41; Eps Car ; 1.86; 4100;occ; 99; 0;20120  
 28; 992.5; 04-JAN-2006 16:11:00; Dark ; 47.0; 2; Alp Car ;-0.74; 7000;occ; 94; 0;20120

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 13;-1978.1; 04-JAN-2006 17:02:05; Bright; 35.5; 130; 23Bet Dra ; 2.80; 5800;occ; 71; 0;20120  
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21; -255.6; 04-JAN-2006 17:30:47; Dark ; 38.5; 109; Bet Lup ; 2.68; 26000;occ; 77; 0;20120  
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4;	558.9;	14-JAN-2006	12:49:18;	Dark	;	37.5;	125;	44Tot Ori	;	2.77;	30000;occ;	75;	0;	20261
5;	636.6;	14-JAN-2006	12:50:36;	Dark	;	40.0;	30;	46Eps Ori	;	1.69;	30000;occ;	80;	0;	20261
6;	770.7;	14-JAN-2006	12:52:50;	Dark	;	46.0;	14;	58Alp Ori	;	0.87;	3000;occ;	92;	0;	20261
7;	1007.3;	14-JAN-2006	12:56:47;	Bright;	;	33.5;	176;	23Zet Tau	;	3.02;	22000;occ;	67;	0;	20261
8;	1136.1;	14-JAN-2006	12:58:56;	Bright;	;	35.0;	28;	12Bet Tau	;	1.65;	15200;occ;	70;	0;	20261
9;	1230.1;	14-JAN-2006	13:00:30;	Bright;	;	37.5;	114;	3Tot Aur	;	2.69;	4600;occ;	75;	0;	20261
10;	1405.6;	14-JAN-2006	13:03:25;	Bright;	;	36.0;	42;	34Bet Aur	;	1.90;	10200;occ;	72;	0;	20261
11;	2158.1;	14-JAN-2006	13:15:58;	Bright;	;	34.0;	49;	1Alp UMi	;	1.99;	6300;occ;	68;	0;	20261
12;	2808.5;	14-JAN-2006	13:26:48;	Bright;	;	35.5;	130;	23Bet Dra	;	2.80;	5800;occ;	71;	0;	20261
13;	3184.8;	14-JAN-2006	13:33:04;	Bright;	;	36.5;	133;	40Zet Her	;	2.81;	6000;occ;	73;	0;	20261
14;	3472.8;	14-JAN-2006	13:37:52;	Bright;	;	33.0;	59;	55Alp Oph	;	2.08;	8900;occ;	66;	0;	20261
15;	3825.6;	14-JAN-2006	13:43:45;	Bright;	;	38.0;	120;	1Del Oph	;	2.73;	3200;occ;	76;	0;	20261
16;	3908.4;	14-JAN-2006	13:45:08;	Bright;	;	53.0;	98;	13Zet Oph	;	2.57;	30000;occ;	106;	0;	20261
17;	4175.7;	14-JAN-2006	13:49:35;	Dark	;	53.0;	16;	21Alp Sco	;	1.02;	3000;occ;	106;	0;	20261
18;	4278.7;	14-JAN-2006	13:51:18;	Dark	;	40.5;	75;	26Eps Sco	;	2.29;	4250;occ;	81;	0;	20261
19;	4488.9;	14-JAN-2006	13:54:48;	Dark	;	38.0;	131;	Gam Lup	;	2.80;	26000;occ;	76;	0;	20261
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22;	4783.6;	14-JAN-2006	13:59:43;	Dark	;	36.5;	134;	Bet TrA	;	2.81;	6600;occ;	73;	0;	20261
23;	4897.2;	14-JAN-2006	14:01:37;	Dark	;	40.0;	10;	Bet Cen	;	0.61;	28000;occ;	80;	0;	20261
24;	5044.4;	14-JAN-2006	14:04:04;	Dark	;	59.5;	0;		;	0.00;	0;occ;	119;	0;	20261
25;	5298.3;	14-JAN-2006	14:08:18;	Dark	;	38.0;	124;	The Car	;	2.76;	30000;occ;	76;	0;	20261
26;	5382.4;	14-JAN-2006	14:09:42;	Dark	;	37.0;	29;	Bet Car	;	1.67;	10200;occ;	74;	0;	20261
27;	5496.2;	14-JAN-2006	14:11:36;	Dark	;	38.5;	71;	Iot Car	;	2.25;	7700;occ;	77;	0;	20261
28;	5572.1;	14-JAN-2006	14:12:52;	Dark	;	45.5;	41;	Eps Car	;	1.86;	4100;occ;	91;	0;	20261
29;	5790.8;	14-JAN-2006	14:16:30;	Dark	;	49.0;	2;	Alp Car	;	-0.74;	7000;occ;	98;	0;	20261
30;	6002.4;	14-JAN-2006	14:20:02;	Dark	;	41.5;	117;	Pi Pup	;	2.71;	3800;occ;	83;	0;	20261
31;	6156.5;	14-JAN-2006	14:22:36;	Dark	;	44.5;	23;	21Eps CMA	;	1.50;	26000;occ;	89;	0;	20261
32;	6242.0;	14-JAN-2006	14:24:02;	Dark	;	13.5;	179;	240mi2CMA	;	3.03;	24000;occ;	27;	0;	20261

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4;	645.1;	14-JAN-2006	14:28:45;	Dark	;	40.5;	56;	53Kap Ori	;	2.07;	30000;occ;	81;	0;	20262
5;	715.1;	14-JAN-2006	14:29:55;	Dark	;	38.0;	125;	44Tot Ori	;	2.77;	30000;occ;	76;	0;	20262
6;	792.8;	14-JAN-2006	14:31:12;	Dark	;	39.5;	30;	46Eps Ori	;	1.69;	30000;occ;	79;	0;	20262
7;	926.7;	14-JAN-2006	14:33:26;	Dark	;	46.0;	14;	58Alp Ori	;	0.87;	3000;occ;	92;	0;	20262
8;	1163.3;	14-JAN-2006	14:37:23;	Bright;	;	35.5;	176;	23Zet Tau	;	3.02;	22000;occ;	71;	0;	20262
9;	1292.2;	14-JAN-2006	14:39:32;	Bright;	;	37.5;	28;	12Bet Tau	;	1.65;	15200;occ;	75;	0;	20262
10;	1386.2;	14-JAN-2006	14:41:06;	Bright;	;	36.5;	114;	3Tot Aur	;	2.69;	4600;occ;	73;	0;	20262
11;	1561.6;	14-JAN-2006	14:44:01;	Bright;	;	35.0;	42;	34Bet Aur	;	1.90;	10200;occ;	70;	0;	20262
12;	2314.1;	14-JAN-2006	14:56:34;	Bright;	;	33.5;	49;	1Alp UMi	;	1.99;	6300;occ;	67;	0;	20262
13;	2964.6;	14-JAN-2006	15:07:24;	Bright;	;	36.5;	130;	23Bet Dra	;	2.80;	5800;occ;	73;	0;	20262
14;	3340.8;	14-JAN-2006	15:13:40;	Bright;	;	35.0;	133;	40Zet Her	;	2.81;	6000;occ;	70;	0;	20262
15;	3629.0;	14-JAN-2006	15:18:28;	Bright;	;	33.0;	59;	55Alp Oph	;	2.08;	8900;occ;	66;	0;	20262
16;	3982.0;	14-JAN-2006	15:24:21;	Bright;	;	19.0;	120;	1Del Oph	;	2.73;	3200;occ;	38;	0;	20262
17;	4064.8;	14-JAN-2006	15:25:44;	Bright;	;	53.0;	98;	13Zet Oph	;	2.57;	30000;occ;	106;	0;	20262
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21;	4749.1;	14-JAN-2006	15:37:09;	Dark	;	37.0;	109;	Bet Lup	;	2.68;	26000;occ;	74;	0;	20262
22;	4839.6;	14-JAN-2006	15:38:39;	Dark	;	40.0;	78;	Alp Lup	;	2.30;	28000;occ;	80;	0;	20262
23;	4940.0;	14-JAN-2006	15:40:19;	Dark	;	37.0;	134;	Bet TrA	;	2.81;	6600;occ;	74;	0;	20262
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25;	5200.6;	14-JAN-2006	15:44:40;	Dark	;	59.5;	0;		;	0.00;	0;occ;	119;	0;	20262
26;	5454.7;	14-JAN-2006	15:48:54;	Dark	;	37.5;	124;	The Car	;	2.76;	30000;occ;	75;	0;	20262
27;	5538.7;	14-JAN-2006	15:50:18;	Dark	;	38.0;	29;	Bet Car	;	1.67;	10200;occ;	76;	0;	20262
28;	5652.5;	14-JAN-2006	15:52:12;	Dark	;	38.5;	71;	Iot Car	;	2.25;	7700;occ;	77;	0;	20262
29;	5728.4;	14-JAN-2006	15:53:28;	Dark	;	47.0;	41;	Eps Car	;	1.86;	4100;occ;	94;	0;	20262
30;	5946.9;	14-JAN-2006	15:57:06;	Dark	;	44.0;	2;	Alp Car	;	-0.74;	7000;occ;	88;	0;	20262
31;	6158.7;	14-JAN-2006	16:00:38;	Dark	;	40.5;	117;	Pi Pup	;	2.71;	3800;occ;	81;	0;	20262

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17; 4018.4; 14-JAN-2006 17:04:58; Bright; 19.0; 120; 1Del Oph ; 2.73; 3200;occ; 38; 0;20263
18; 4101.1; 14-JAN-2006 17:06:21; Bright; 53.0; 98; 13Zet Oph ; 2.57; 30000;occ; 106; 0;20263
19; 4368.4; 14-JAN-2006 17:10:48; Dark ; 50.5; 16; 21Alp Sco ; 1.02; 3000;occ; 101; 0;20263
20; 4471.1; 14-JAN-2006 17:12:31; Dark ; 43.0; 75; 26Eps Sco ; 2.29; 4250;occ; 86; 0;20263
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23; 4876.3; 14-JAN-2006 17:19:16; Dark ; 40.0; 78; Alp Lup ; 2.30; 28000;occ; 80; 0;20263
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29; 5688.9; 14-JAN-2006 17:32:48; Dark ; 41.5; 71; Iot Car ; 2.25; 7700;occ; 83; 0;20263
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26; 5573.1; 14-JAN-2006 19:05:53; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;20264
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28; 5911.2; 14-JAN-2006 19:11:31; Dark ; 38.0; 29; Bet Car ; 1.67; 10200;occ; 76; 0;20264
29; 6025.4; 14-JAN-2006 19:13:25; Dark ; 39.5; 71; Iot Car ; 2.25; 7700;occ; 79; 0;20264
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17; 1832.5; 16-JAN-2006 21:49:46; Dark ; 39.0; 125; 44Iot Ori ; 2.77; 30000;occ; 78; 0;20295
18; 1909.8; 16-JAN-2006 21:51:04; Dark ; 38.5; 30; 46Eps Ori ; 1.69; 30000;occ; 77; 0;20295
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 23; 6909.8; 20-JAN-2006 12:44:56; Dark ; 45.5; 46; Del Vel ; 1.95; 10600;occ; 91; 0;20346  
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16;	-1243.1;	30-JAN-2006	20:18:18;	Bright;	;	37.5;	59;	55Alp Oph	;	2.08;	8900;occ;	75;	0;	20494
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22;	-127.5;	30-JAN-2006	20:36:54;	Dark	;	38.5;	141;	Bet Ara	;	2.84;	4600;occ;	77;	0;	20494
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3;	-334.6;	30-JAN-2006	22:14:02;	Dark	;	40.5;	40;	The Sco	;	1.86;	7100;occ;	81;	0;	20495
4;	-221.0;	30-JAN-2006	22:15:56;	Dark	;	36.5;	147;	Alp Ara	;	2.88;	26000;occ;	73;	0;	20495
5;	-127.4;	30-JAN-2006	22:17:30;	Dark	;	43.0;	141;	Bet Ara	;	2.84;	4600;occ;	86;	0;	20495
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8;	339.6;	30-JAN-2006	22:25:17;	Dark	;	59.5;	0;		;	0.00;	0;occ;	119;	0;	20496
9;	462.4;	30-JAN-2006	22:27:19;	Dark	;	49.5;	12;	Alp1Cru	;	0.77;	30000;occ;	99;	0;	20496
10;	678.8;	30-JAN-2006	22:30:56;	Dark	;	36.5;	29;	Bet Car	;	1.67;	10200;occ;	73;	0;	20496
11;	818.9;	30-JAN-2006	22:33:16;	Dark	;	41.0;	71;	Iot Car	;	2.25;	7700;occ;	82;	0;	20496
12;	924.5;	30-JAN-2006	22:35:02;	Dark	;	41.5;	46;	Del Vel	;	1.95;	10600;occ;	83;	0;	20496
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5;-3727.3; 31-JAN-2006 12:22:53; Bright; 38.5; 151; 13Mu Gem ; 2.89; 3000;occ; 77; 0;20504
6;-3469.5; 31-JAN-2006 12:27:11; Bright; 36.5; 107; 37The Aur ; 2.65; 11000;occ; 73; 0;20504
7;-3344.2; 31-JAN-2006 12:29:16; Bright; 36.0; 42; 34Bet Aur ; 1.90; 10200;occ; 72; 0;20504
8;-2607.9; 31-JAN-2006 12:41:32; Bright; 34.5; 49; 1Alp UMi ; 1.99; 6300;occ; 69; 0;20504
9;-1936.0; 31-JAN-2006 12:52:44; Bright; 38.0; 69; 33Gam Dra ; 2.23; 3800;occ; 76; 0;20504
10;-1731.8; 31-JAN-2006 12:56:08; Bright; 36.0; 5; 3Alp Lyr ; 0.03; 11000;occ; 72; 0;20504
11;-1332.2; 31-JAN-2006 13:02:48; Bright; 2.0; 168; 17Zet Aql ; 2.99; 11000;occ; 4; 0;20504
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13;-1112.4; 31-JAN-2006 13:06:28; Bright; 35.5; 126; 60Bet Oph ; 2.77; 4250;occ; 71; 0;20504
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29; 1287.1; 31-JAN-2006 13:46:27; Dark ; 44.0; 117; Pi Pup ; 2.71; 3800;occ; 88; 0;20505
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