

# GOMOS Daily Report 01-JAN-2005

## Level 0 and Level 1 products

### SUMMARY

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

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

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

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

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

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

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

[4.2 Plot of Dark Charge](#)

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

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

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

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

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

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

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

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

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

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

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

## [Level 2 products](#)

### 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	03JAN2005 05:02:47

Data source version	GOMOS/4.02
Start time of products	QDS_YESTERDAY(/START)-1D (01JAN2005 00:00:00)
Stop time of products	QDS_YESTERDAY(/STOP)-1D (02JAN2005 00:00:00)
Store outputs in DB	Yes
Nb of level 1b prods	50
Nb of prods with errors	1

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

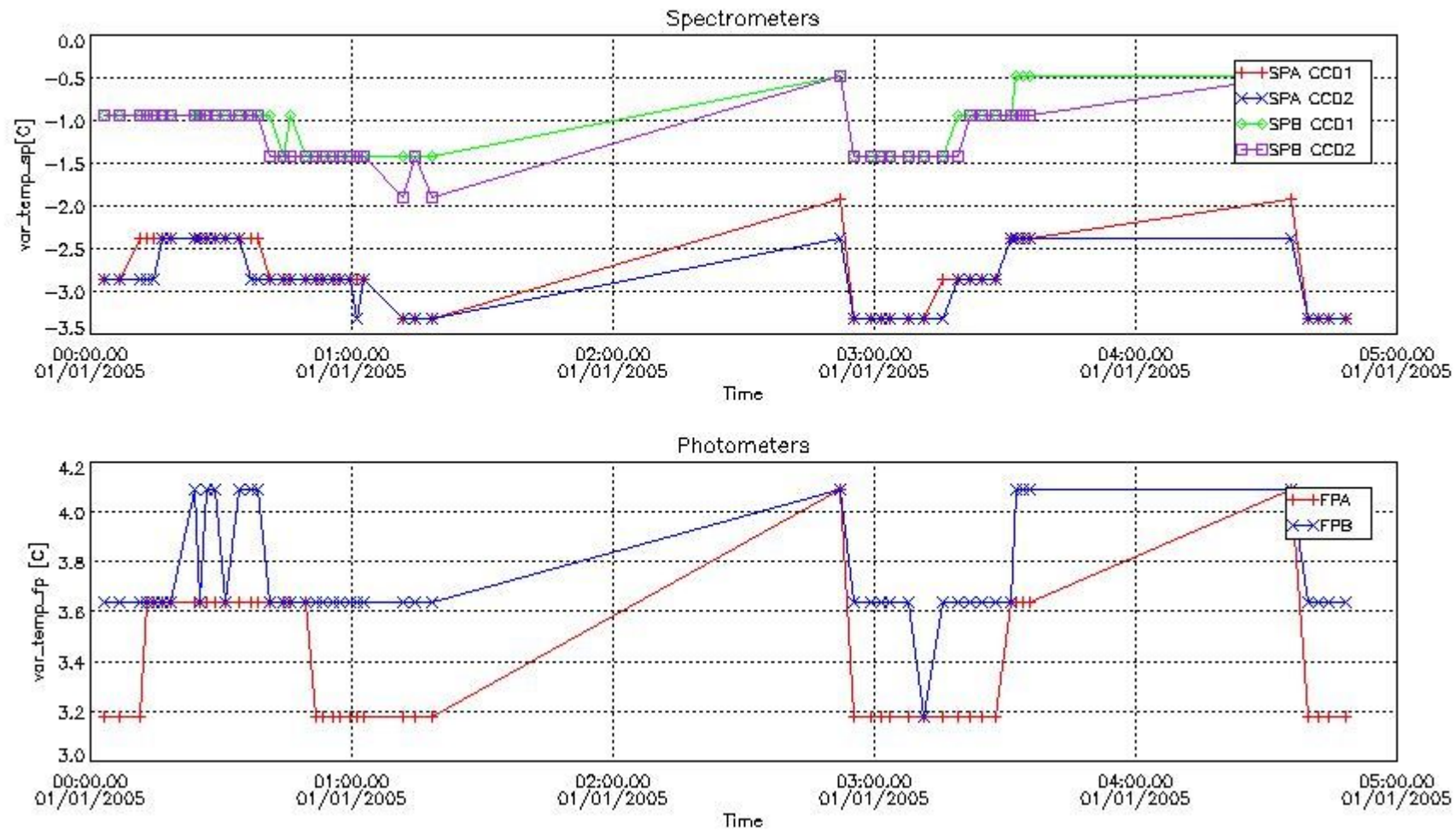
### 2.1 Level 0 products arrived in PCF (see template [here](#))

### 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_1PNPDE20050101_000317_000000462033_00259_14842_0000.N1	01-JAN-2005 00:03:17	Twilight	45.500	122	9Alp2Lib	2.7470	9700.0	91	14842	No
2	GOM_TRA_1PNPDE20050101_000646_000000692033_00259_14842_0001.N1	01-JAN-2005 00:06:46	Twilight	69.000	15	67Alp Vir	0.97600	28000.	138	14842	No
3	GOM_TRA_1PNPDE20050101_001128_000000402033_00259_14842_0002.N1	01-JAN-2005 00:11:28	Dark	39.500	78	Alp Lup	2.3040	28000.	79	14842	No
4	GOM_TRA_1PNPDE20050101_001255_000000452033_00259_14842_0003.N1	01-JAN-2005 00:12:55	Dark	45.000	95	Zet Cen	2.5450	26000.	90	14842	No
5	GOM_TRA_1PNPDE20050101_001438_000000452033_00260_14843_0004.N1	01-JAN-2005 00:14:38	Dark	45.000	4	Alp1Cen	-0.010000	5800.0	90	14843	No
6	GOM_TRA_1PNPDE20050101_001627_000000472033_00260_14843_0005.N1	01-JAN-2005 00:16:27	Dark	47.000	64	Gam Cen	2.2000	10600.	94	14843	No
7	GOM_TRA_1PNPDE20050101_001828_000000552033_00260_14843_0006.N1	01-JAN-2005 00:18:28	Dark	55.000	12	Alp1Cru	0.77500	30000.	110	14843	No
8	GOM_TRA_1PNPDE20050101_002348_000000412033_00260_14843_0007.N1	01-JAN-2005 00:23:48	Dark	40.500	29	Bet Car	1.6720	10200.	81	14843	No
9	GOM_TRA_1PNPDE20050101_002509_000000522033_00260_14843_0008.N1	01-JAN-2005 00:25:09	Dark	51.500	71	Iot Car	2.2460	7700.0	103	14843	No
10	GOM_TRA_1PNPDE20050101_002646_000000552033_00260_14843_0009.N1	01-JAN-2005 00:26:46	Dark	55.000	41	Eps Car	1.8600	4100.0	110	14843	No
11	GOM_TRA_1PNPDE20050101_002847_000000572033_00260_14843_0010.N1	01-JAN-2005 00:28:47	Dark	56.500	65	Lam Vel	2.2040	4400.0	113	14843	No
12	GOM_TRA_1PNPDE20050101_003058_000000472033_00260_14843_0011.N1	01-JAN-2005 00:30:58	Dark	46.500	2	Alp Car	-0.73600	7000.0	93	14843	No
13	GOM_TRA_1PNPDE20050101_003412_000000522033_00260_14843_0012.N1	01-JAN-2005 00:34:12	Dark	51.500	117	Pi Pup	2.7060	3800.0	103	14843	No
14	GOM_TRA_1PNPDE20050101_003700_000000512033_00260_14843_0013.N1	01-JAN-2005 00:37:00	Dark	50.500	23	21Eps CMa	1.5020	26000.	101	14843	No
15	GOM_TRA_1PNPDE20050101_003833_000000472033_00260_14843_0014.N1	01-JAN-2005 00:38:33	Twilight	46.500	179	24Omi2CMa	3.0320	24000.	93	14843	No
16	GOM_TRA_1PNPDE20050101_004100_000000562033_00260_14843_0015.N1	01-JAN-2005 00:41:00	Twilight	55.500	1	9Alp CMa	-1.4400	11000.	111	14843	No
17	GOM_TRA_1PNPDE20050101_004409_000000472033_00260_14843_0016.N1	01-JAN-2005 00:44:09	Bright	46.500	7	19Bet Ori	0.10000	14000.	93	14843	No
18	GOM_TRA_1PNPDE20050101_004600_000000432033_00260_14843_0017.N1	01-JAN-2005 00:46:00	Bright	43.000	30	46Eps Ori	1.6940	30000.	86	14843	No
19	GOM_TRA_1PNPDE20050101_004932_000000832033_00260_14843_0018.N1	01-JAN-2005 00:49:32	Bright	83.000	8	10Alp CMi	0.40000	6500.0	166	14843	No
20	GOM_TRA_1PNPDE20050101_005147_000000512033_00260_14843_0019.N1	01-JAN-2005 00:51:47	Bright	50.500	44	24Gam Gem	1.9280	11000.	101	14843	No
21	GOM_TRA_1PNPDE20050101_005324_000000482033_00260_14843_0020.N1	01-JAN-2005 00:53:24	Bright	48.000	151	13Mu Gem	2.8900	3000.0	96	14843	No
22	GOM_TRA_1PNPDE20050101_005551_000000392033_00260_14843_0021.N1	01-JAN-2005 00:55:51	Bright	39.000	114	3Iot Aur	2.6930	4600.0	78	14843	No
23	GOM_TRA_1PNPDE20050101_005723_000000422033_00260_14843_0022.N1	01-JAN-2005 00:57:23	Bright	42.000	107	37The Aur	2.6490	11000.	84	14843	No
24	GOM_TRA_1PNPDE20050101_005932_000000422033_00260_14843_0023.N1	01-JAN-2005 00:59:32	Bright	41.500	6	13Alp Aur	0.080000	3400.0	83	14843	No
25	GOM_TRA_1PNPDE20050101_010120_000000382033_00260_14843_0024.N1	01-JAN-2005 01:01:20	Bright	38.000	35	33Alp Per	1.7950	6250.0	76	14843	No
26	GOM_TRA_1PNPDE20050101_010238_000000372033_00260_14843_0025.N1	01-JAN-2005 01:02:38	Bright	37.000	160	23Gam Per	2.9300	4700.0	74	14843	No
27	GOM_TRA_1PNPDE20050101_011141_000000392033_00260_14843_0026.N1	01-JAN-2005 01:11:41	Bright	38.500	49	1Alp UMi	1.9900	6300.0	77	14843	No
28	GOM_TRA_1PNPDE20050101_011433_000000502033_00260_14843_0027.N1	01-JAN-2005 01:14:33	Bright	50.000	36	50Alp UMa	1.8000	6300.0	100	14843	No
29	GOM_TRA_1PNPDE20050101_011836_000000572033_00260_14843_0028.N1	01-JAN-2005 01:18:36	Bright	56.500	87	64Gam UMa	2.4330	11000.	113	14843	No
30	GOM_TRA_1PNPDE20050101_025215_000000372033_00261_14844_0000.N1	01-JAN-2005 02:52:15	Bright	36.500	49	1Alp UMi	1.9900	6300.0	73	14844	No
31	GOM_TRA_1PNPDE20050101_025508_000000502033_00261_14844_0000.N1	01-JAN-2005 02:55:08	Bright	50.000	36	50Alp UMa	1.8000	6300.0	100	14844	No
32	GOM_TRA_1PNPDE20050101_025911_000000562033_00261_14844_0001.N1	01-JAN-2005 02:59:11	Bright	56.000	87	64Gam UMa	2.4330	11000.	112	14844	No
33	GOM_TRA_1PNPDE20050101_030123_000000482033_00261_14844_0002.N1	01-JAN-2005 03:01:23	Bright	48.000	55	79Zet UMa	2.0600	10200.	96	14844	No
34	GOM_TRA_1PNPDE20050101_030341_000000482033_00261_14844_0003.N1	01-JAN-2005 03:03:41	Bright	47.500	39	85Eta UMa	1.8540	24000.	95	14844	No
35	GOM_TRA_1PNPDE20050101_030748_000000422033_00261_14844_0004.N1	01-JAN-2005 03:07:48	Bright	42.000	180	27Gam Boo	3.0400	8000.0	84	14844	No
36	GOM_TRA_1PNPDE20050101_031130_000000472033_00261_14844_0005.N1	01-JAN-2005 03:11:30	Bright	46.500	83		2.3780	11000.	93	14844	No
37	GOM_TRA_1PNPDE20050101_031543_000000552033_00261_14844_0006.N1	01-JAN-2005 03:15:43	Bright	54.500	111	8Eta Boo	2.6800	6000.0	109	14844	No
38	GOM_TRA_1PNPDE20050101_031905_000000382033_00261_14844_0007.N1	01-JAN-2005 03:19:05	Twilight	37.500	120	1Del Oph	2.7340	3200.0	75	14844	No
39	GOM_TRA_1PNPDE20050101_032150_000000532033_00261_14844_0008.N1	01-JAN-2005 03:21:50	Twilight	52.500	104	27Bet Lib	2.6140	13100.	105	14844	No
40	GOM_TRA_1PNPDE20050101_032430_000000482033_00261_14844_0009.N1	01-JAN-2005 03:24:30	Twilight	47.500	122	9Alp2Lib	2.7470	9700.0	95	14844	No
41	GOM_TRA_1PNPDE20050101_032801_000000712033_00261_14844_0010.N1	01-JAN-2005 03:28:01	Twilight	71.000	15	67Alp Vir	0.97600	28000.	142	14844	No
42	GOM_TRA_1PNPDE20050101_033112_000000402033_00261_14844_0011.N1	01-JAN-2005 03:31:12	Twilight	40.000	109	Bet Lup	2.6770	26000.	80	14844	No
43	GOM_TRA_1PNPDE20050101_033241_000000382033_00261_14844_0012.N1	01-JAN-2005 03:32:41	Dark	38.000	78	Alp Lup	2.3040	28000.	76	14844	No
44	GOM_TRA_1PNPDE20050101_033411_000000422033_00261_14844_0013.N1	01-JAN-2005 03:34:11	Dark	42.000	95	Zet Cen	2.5450	26000.	84	14844	No
45	GOM_TRA_1PNPDE20050101_033552_000000522033_00262_14845_0014.N1	01-JAN-2005 03:35:52	Dark	52.000	4	Alp1Cen	-0.010000	5800.0	104	14845	No
46	GOM_TRA_1PNPDE20050101_043543_000000512033_00262_14845_0000.N1	01-JAN-2005 04:35:43	Bright	51.000	36	50Alp UMa	1.8000	6300.0	102	14845	Yes

47	GOM_TRA_1PNPDE20050101_043946_000000562033_00262_14845_0001.N1	01-JAN-2005 04:39:46	Bright	56.000	87	64Gam UMa	2.4330	11000.	112	14845	No
48	GOM_TRA_1PNPDE20050101_044159_000000482033_00262_14845_0002.N1	01-JAN-2005 04:41:59	Bright	47.500	55	79Zet UMa	2.0600	10200.	95	14845	No
49	GOM_TRA_1PNPDE20050101_044417_000000482033_00262_14845_0003.N1	01-JAN-2005 04:44:17	Bright	48.000	39	85Eta UMa	1.8540	24000.	96	14845	No
50	GOM_TRA_1PNPDE20050101_044824_000000432033_00262_14845_0004.N1	01-JAN-2005 04:48:24	Bright	42.500	180	27Gam Boo	3.0400	8000.0	85	14845	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).

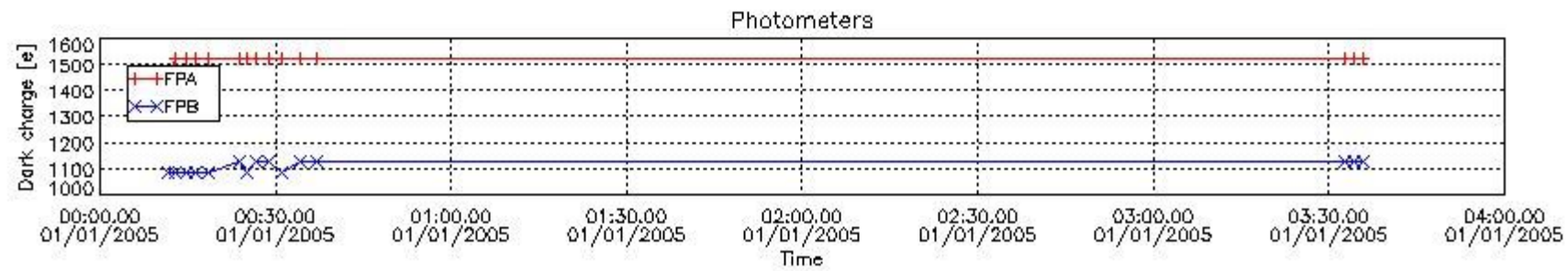
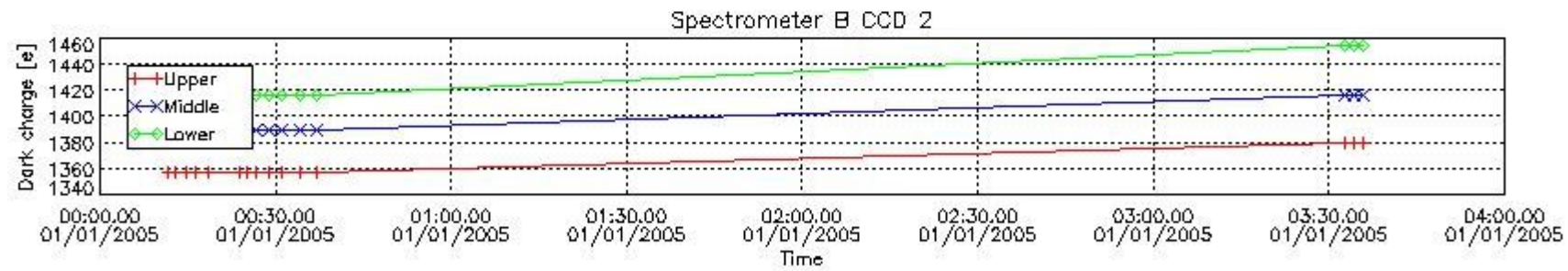
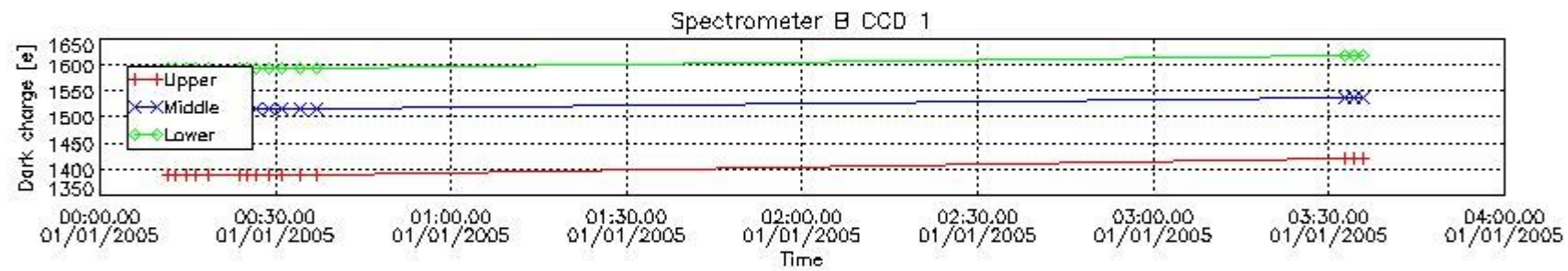
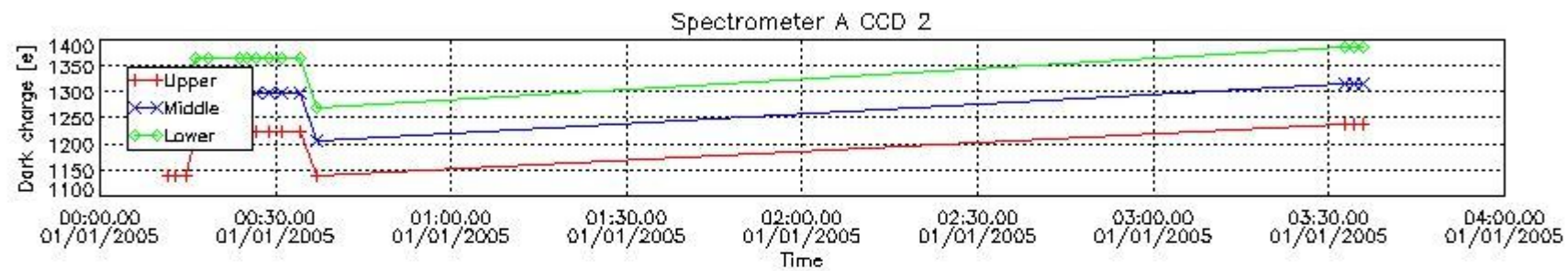
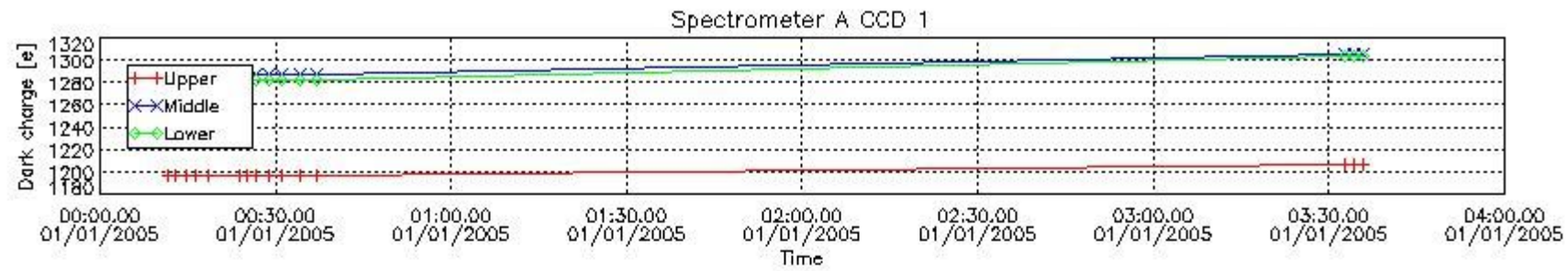
In this section a list of products that did not use the Dark Sky Area (DSA) observation for the DC computation is given. It is also provided the mean DC plot per product for dark limb products with no error flag set.

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

Product name	DC information
GOM_TRA_1PNPDE20050101_025215_000000372033_00261_14844_0000.N1	DC map with no T dep. (12)

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





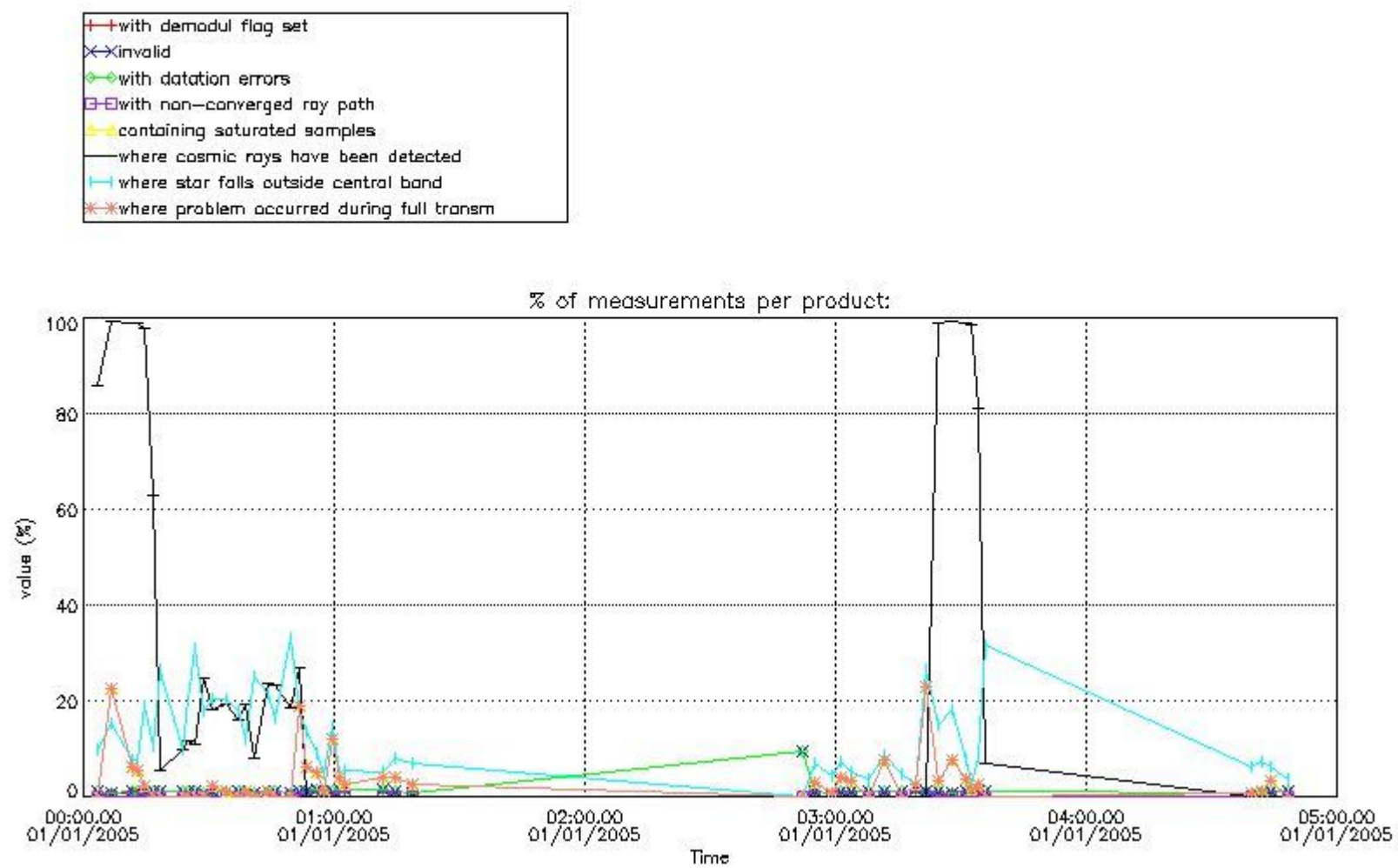
## 5. Demodulation flag and quality information monitoring

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.

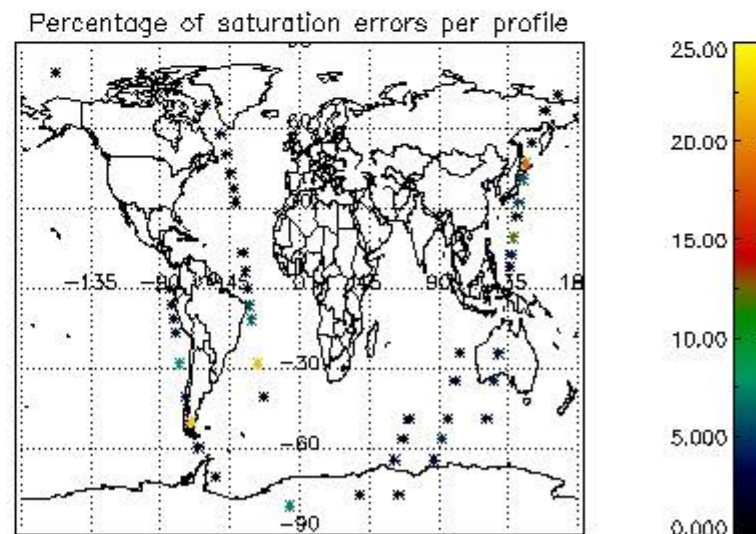
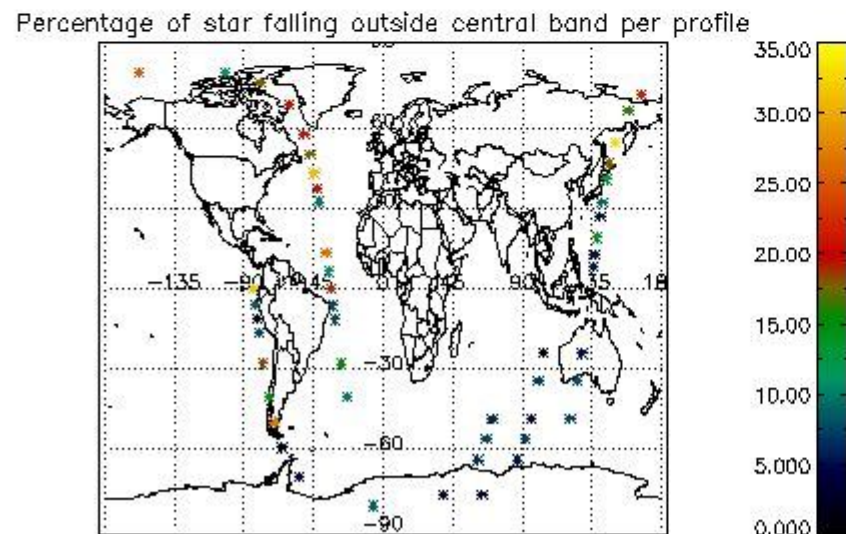
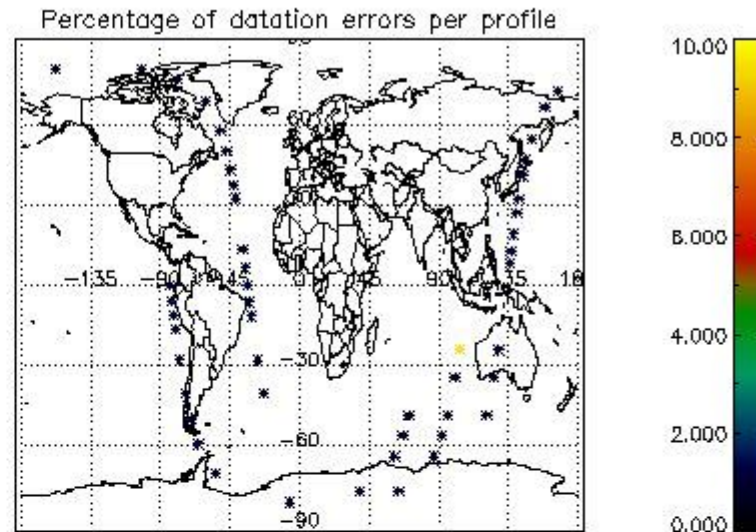
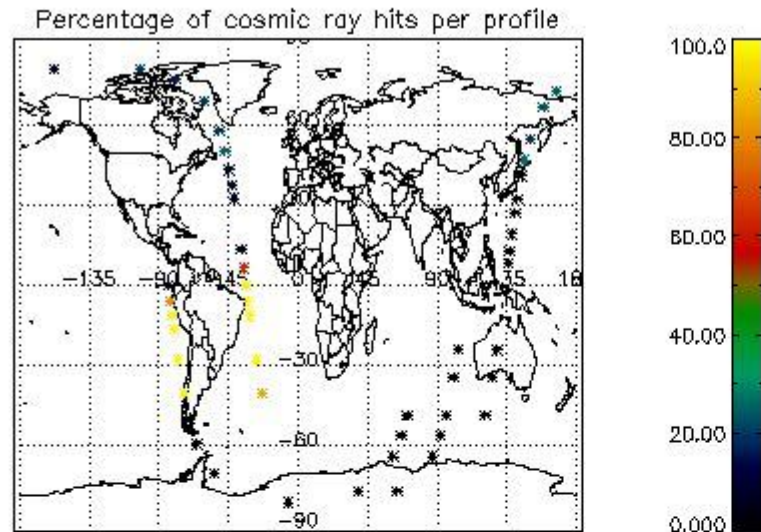
### 5.1 Percentage of products during reporting period with:

At least one measurement with demodulation flag set:	22.4490 %
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)

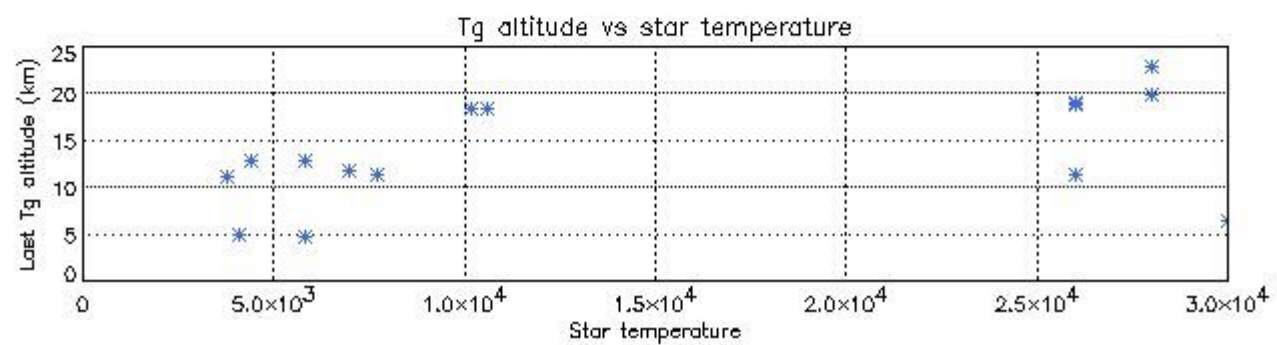
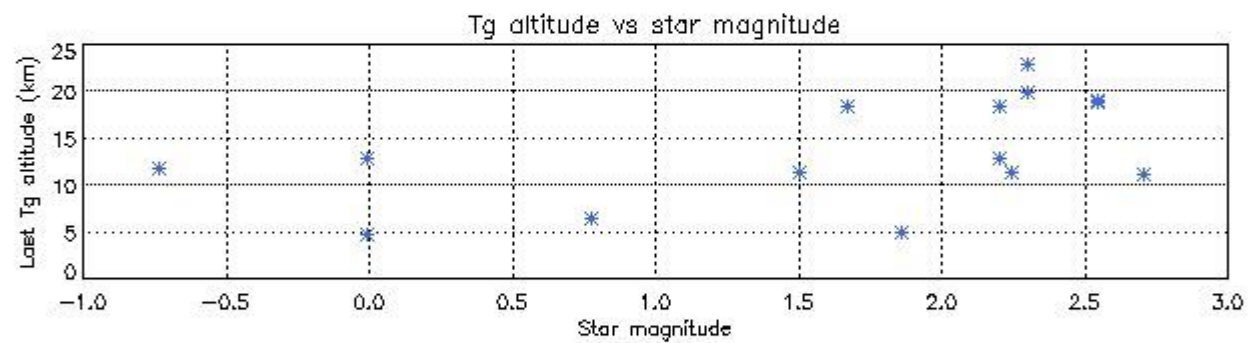
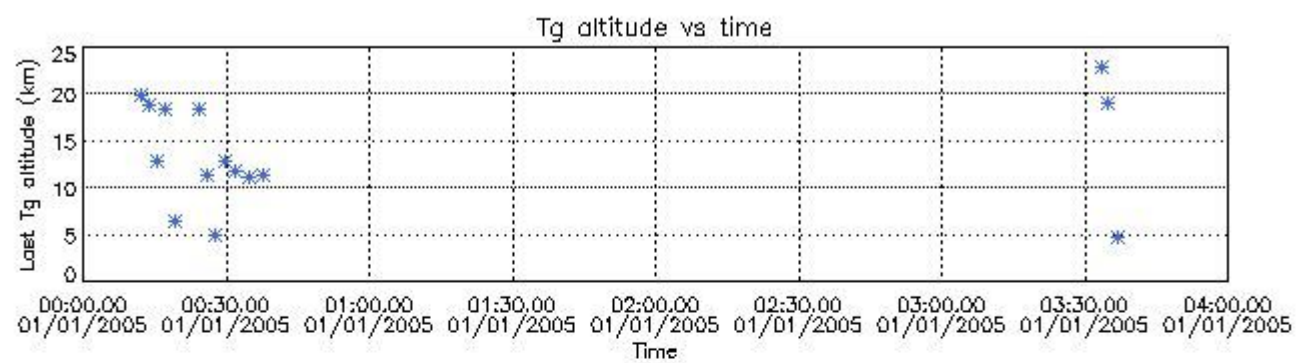
### 6.1 Statistics on tangent altitude lost:

Statistics	DARK	BRIGHT	TWILIGHT
Mean:	13.649	19.167	14.689
St. deviation:	5.6856	5.1165	4.4999
Maximum:	22.799	30.215	22.488
Minimum:	4.7640	4.8447	8.5818
Number of data:	15.000	25.000	9.0000

### 6.2 Plot for DARK limb products

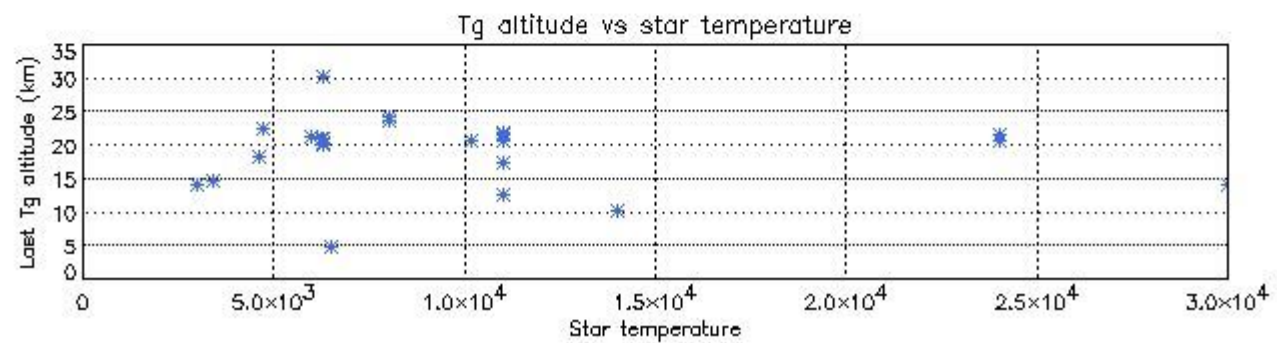
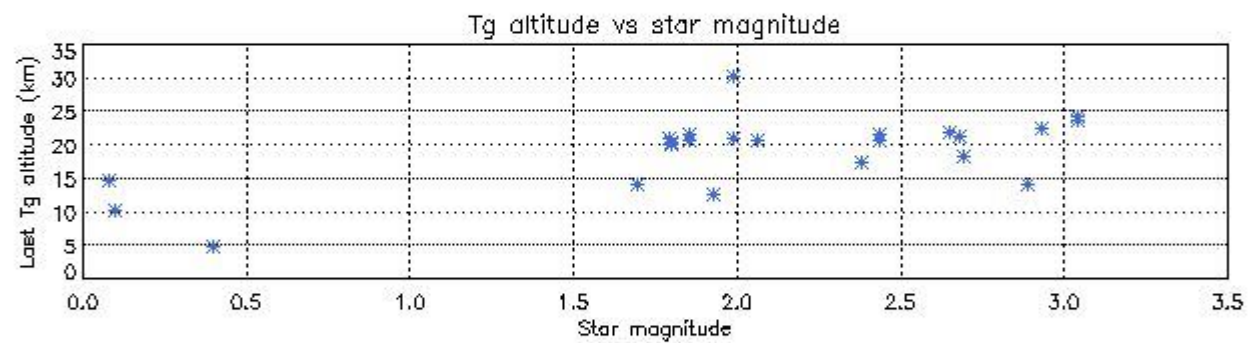
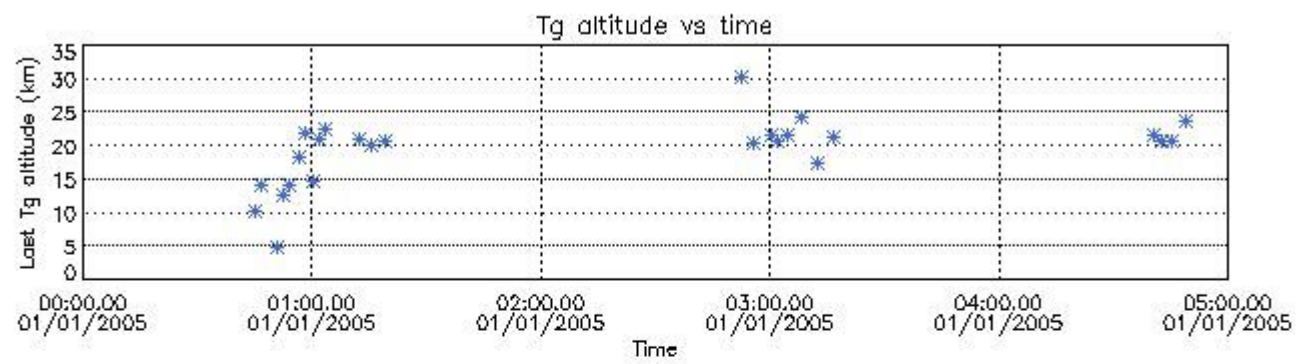


Tangent altitude at which the star is lost



6.3 Plot for BRIGHT limb products

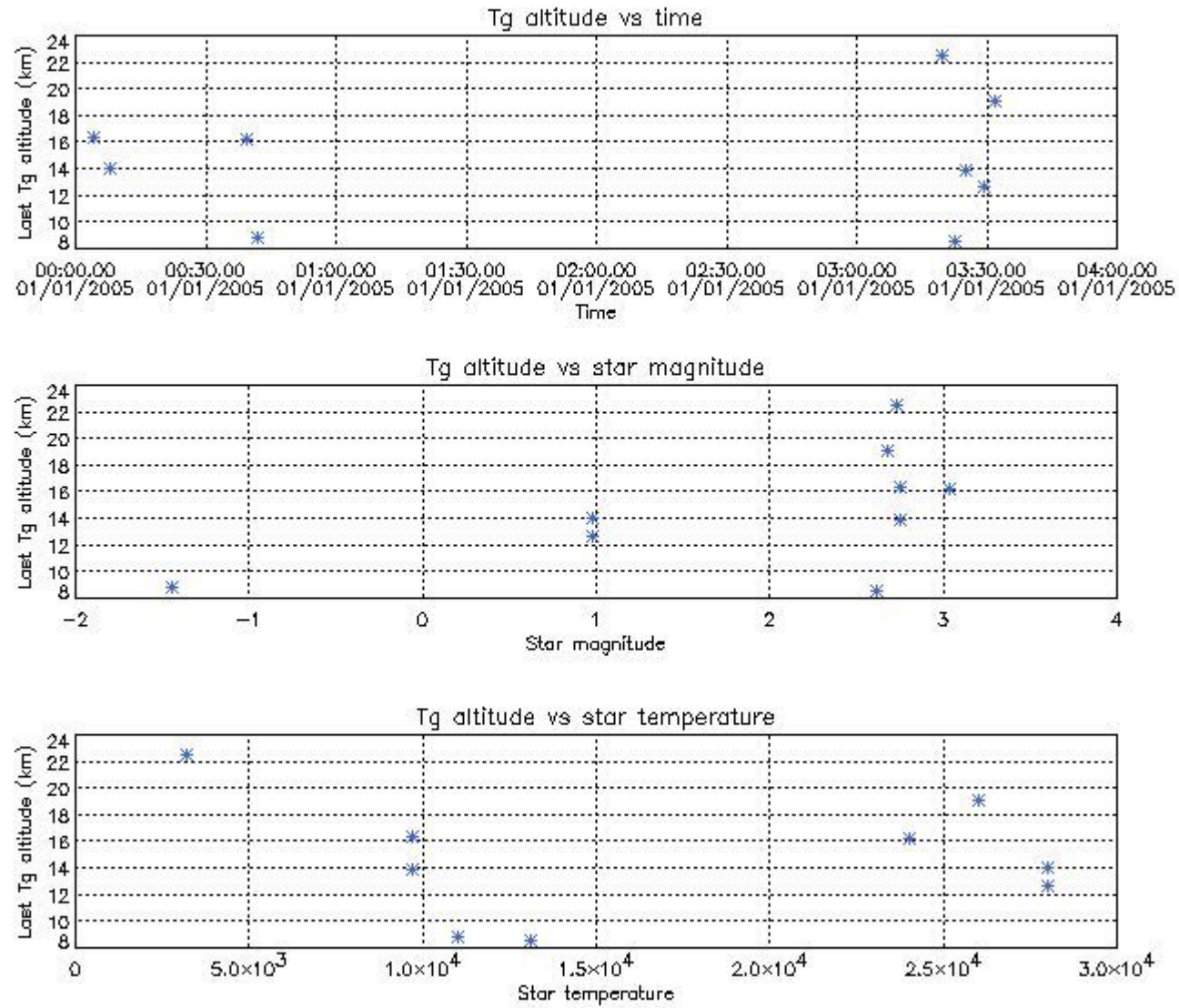
Tangent altitude at which the star is lost



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

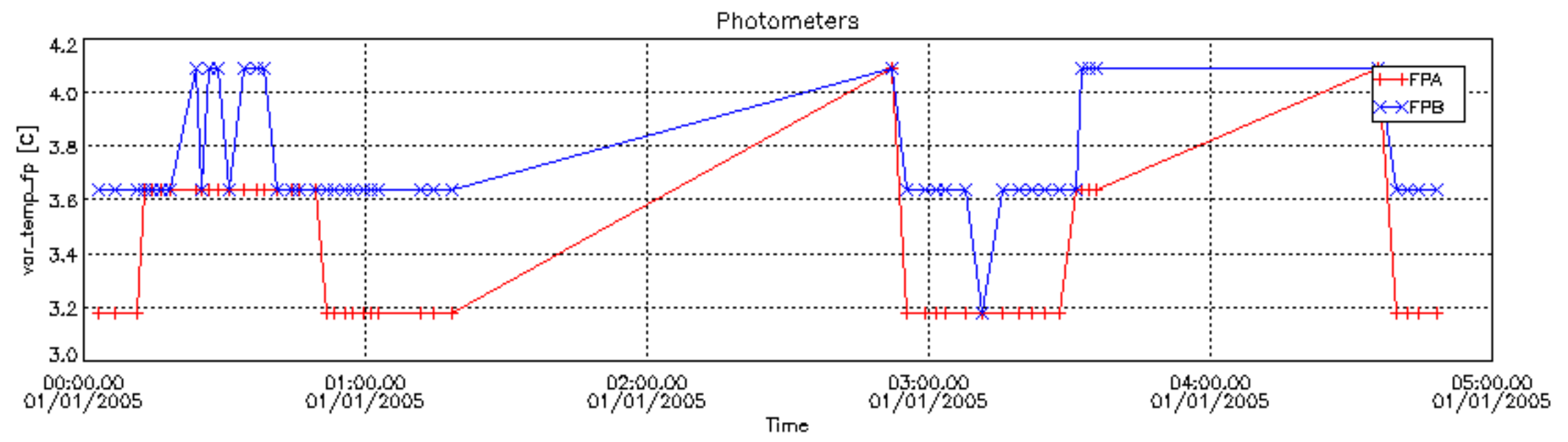
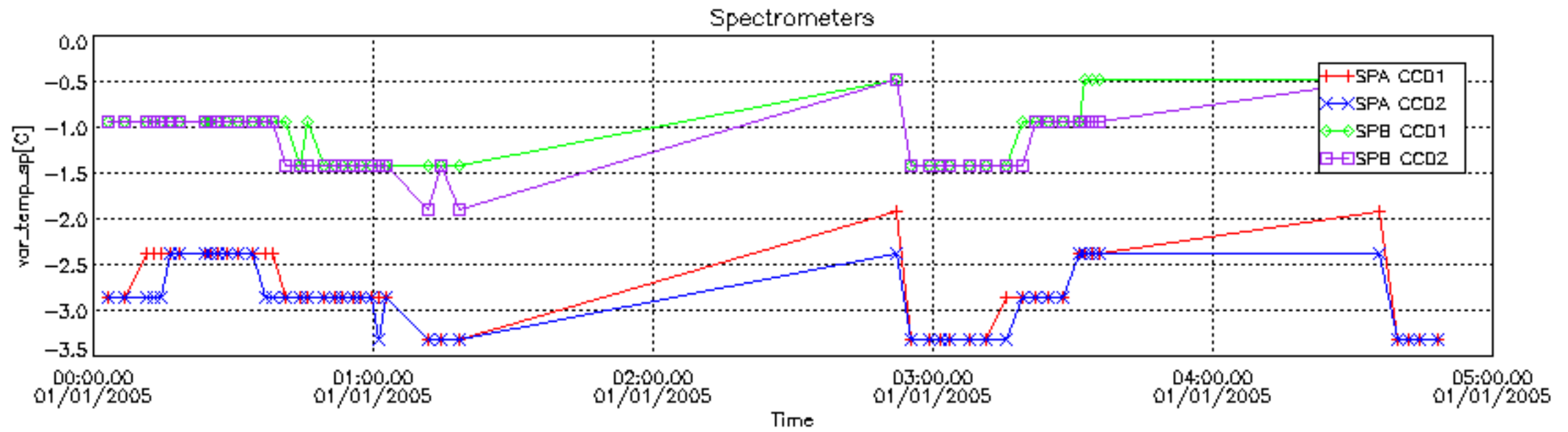
The Star Acquisition and Tracking Unit (it is the CCD that tracks the star while it is occulted) Noise Equivalent Angle consists of the statistical angular variation of the SATU data above the atmosphere. Statistics above 105 km are computed for every occultation, giving four values per occultation: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

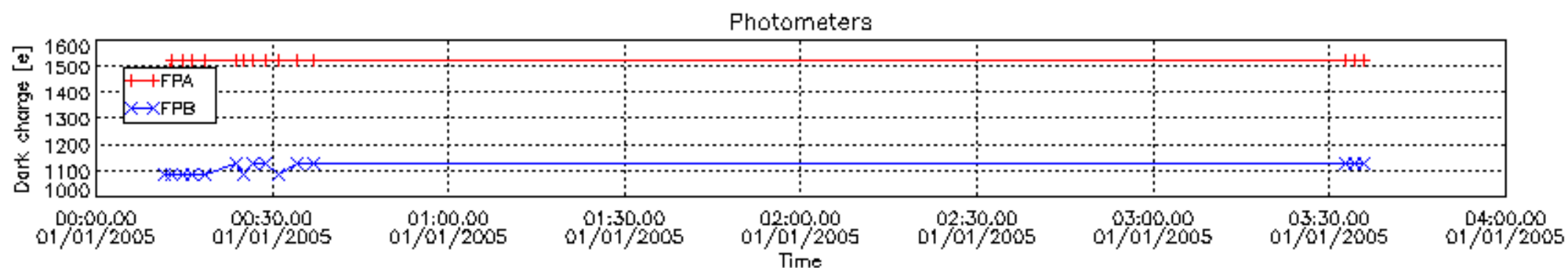
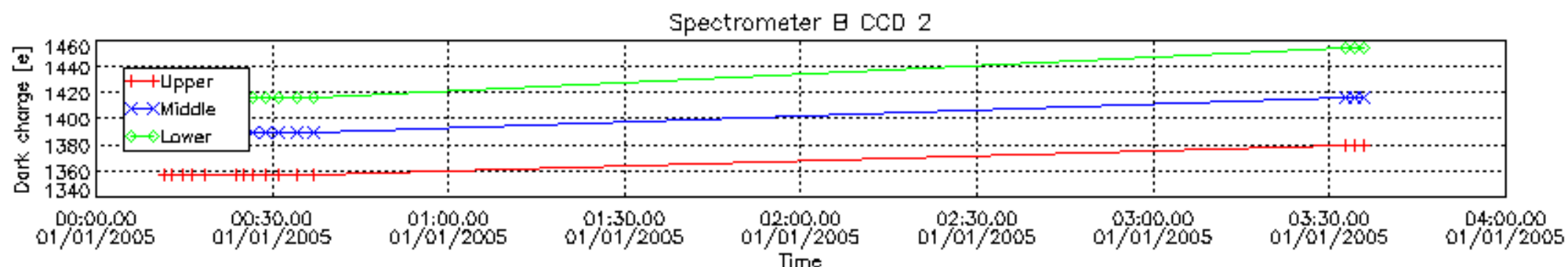
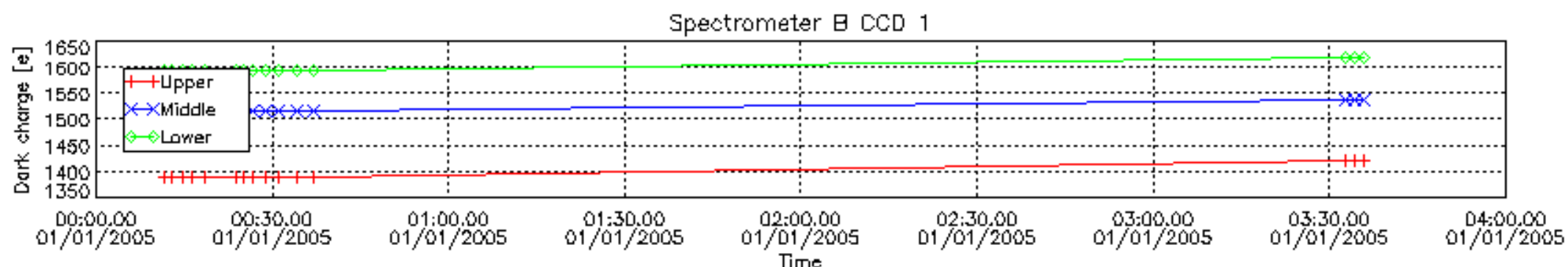
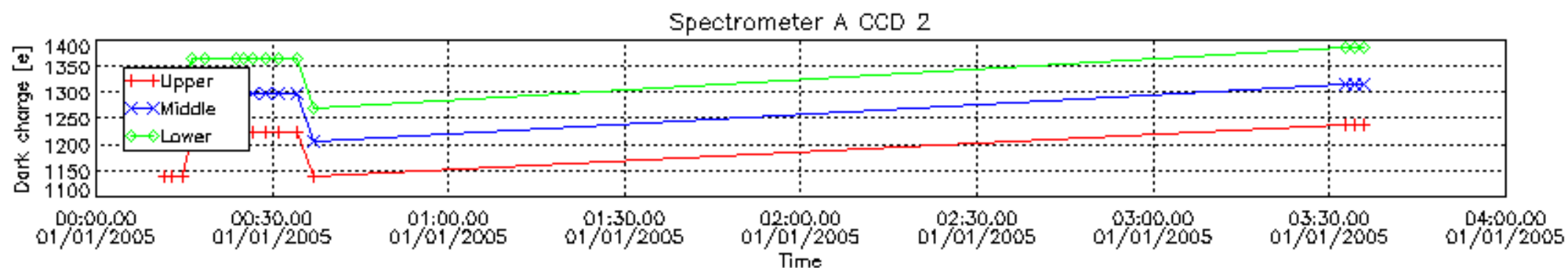
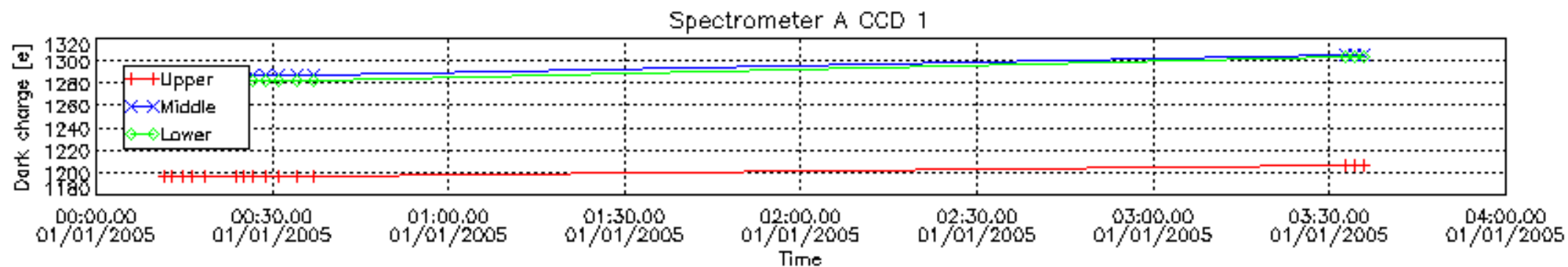
Statistics	SATU X (D)	SATU Y (D)	SATU X (B)	SATU Y (B)
Mean:	1461.4	1447.0	1461.9	1448.4
St. deviation:	4.6681	7.5640	6.7452	9.1001
Maximum:	1510.0	1529.0	1513.0	1506.0
Minimum:	1456.0	1429.0	1421.0	1389.0
Number of data:	18300.	18300.	30500.	30500.

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

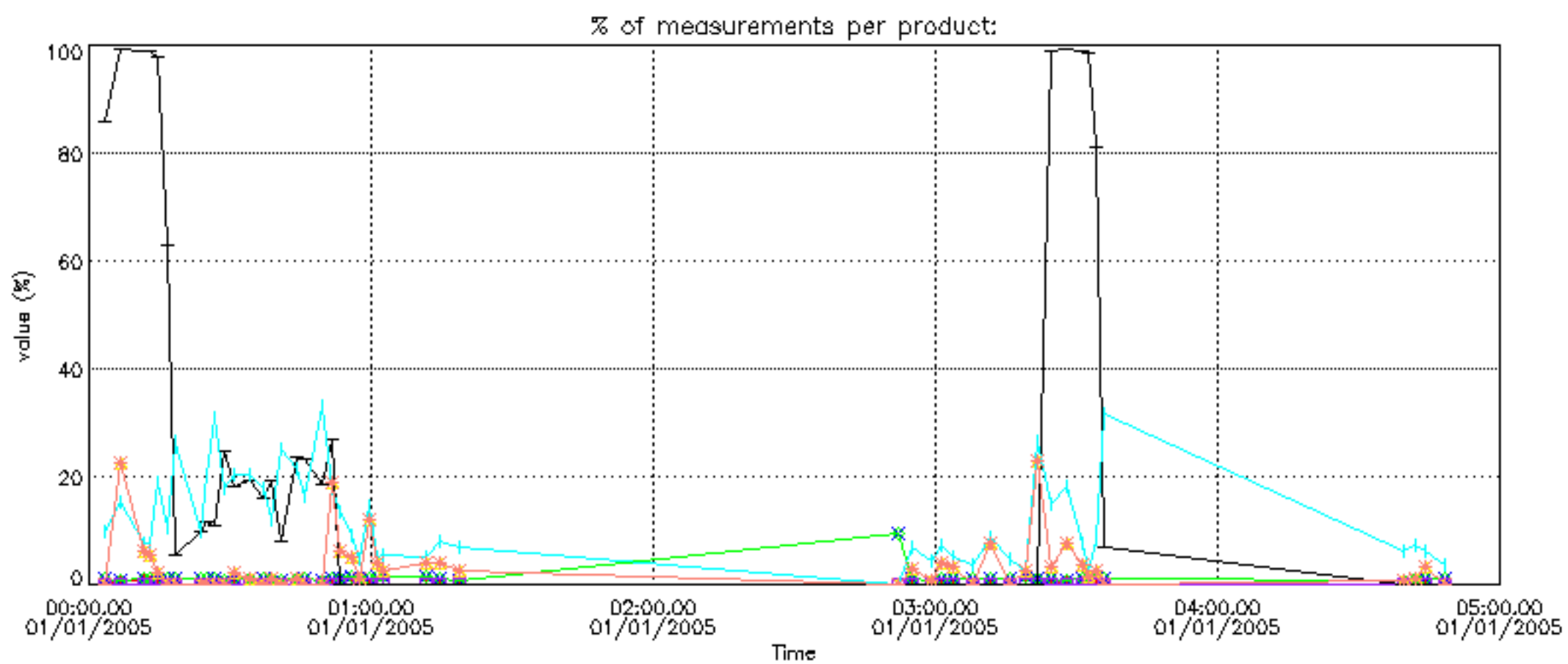
The number reported in the third column indicates since which file (see list in section 2.2) the corresponding auxiliary file has been used. The fourth column is the date of those product files.

Type	Auxiliary Filename	Used since product	Used since product date
INST_PHYS_CHARACTERISTICS	GOM_INS_AXVIEC20030716_105425_20030716_120000_20100101_000000	1	01-JAN-2005 00:03:17
CALIBRATION_DATABASE	GOM_CAL_AXVIEC20041217_142407_20041216_000000_20100101_000000	1	01-JAN-2005 00:03:17
LEVEL-1B_PROC_CONFIG	GOM_PR1_AXVIEC20040401_083133_20020324_200000_20100101_000000	1	01-JAN-2005 00:03:17
STAR_CATALOGUE	GOM_CAT_AXVIEC20020121_161009_20020101_000000_20200101_000000	1	01-JAN-2005 00:03:17
STELLAR_SPECTRA_DATABANK	GOM_STS_AXVIEC20020121_165822_20020101_000000_20200101_000000	1	01-JAN-2005 00:03:17
ECMWF_FILE	AUX_ECF_AXNECM20041231_060921_20041231_210000_20050101_090000	1	01-JAN-2005 00:03:17
ECMWF_FILE	AUX_ECF_AXNECM20041231_192904_20050101_030000_20050101_150000	46	01-JAN-2005 04:35:43
OPTIONAL_ECMWF_FILE	NOT USED	1	01-JAN-2005 00:03:17
ORBIT_DATA_FILE	AUX_FPO_AXVPDS20050101_000853_20041231_191253_20050110_203904	1	01-JAN-2005 00:03:17

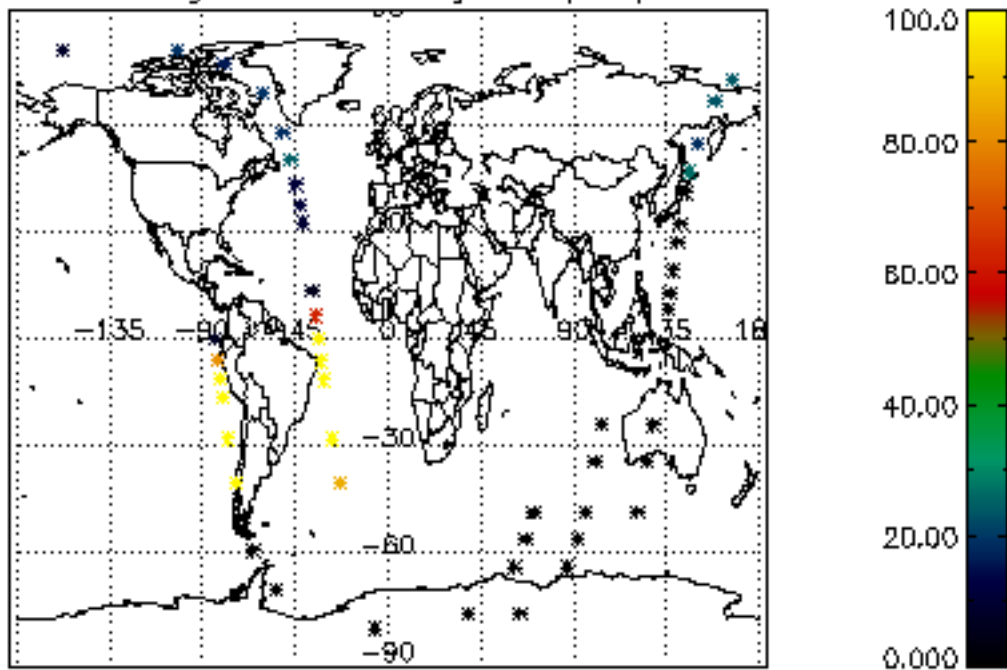




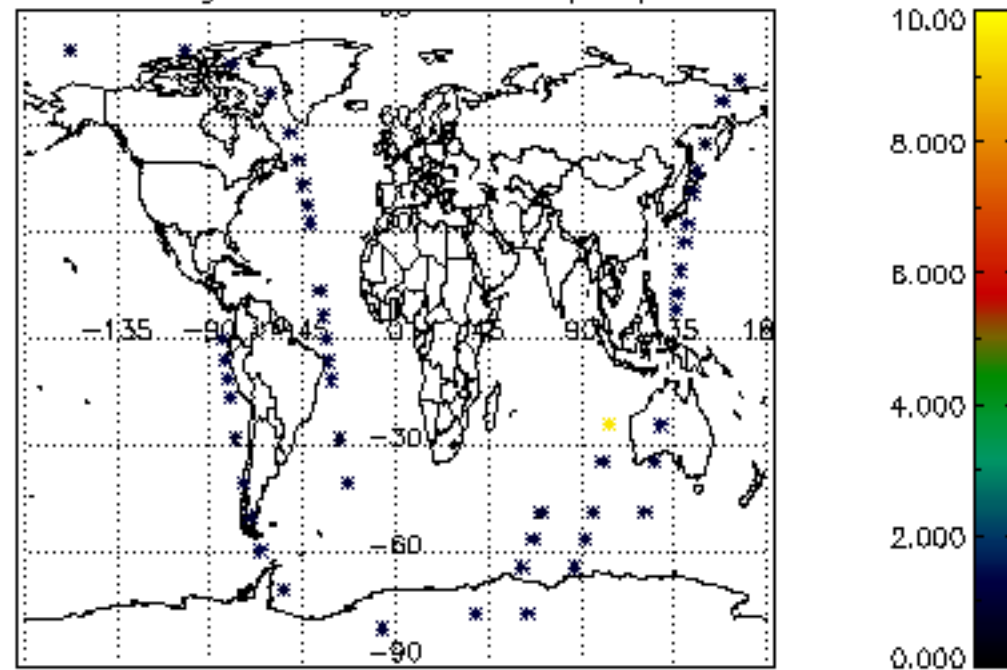




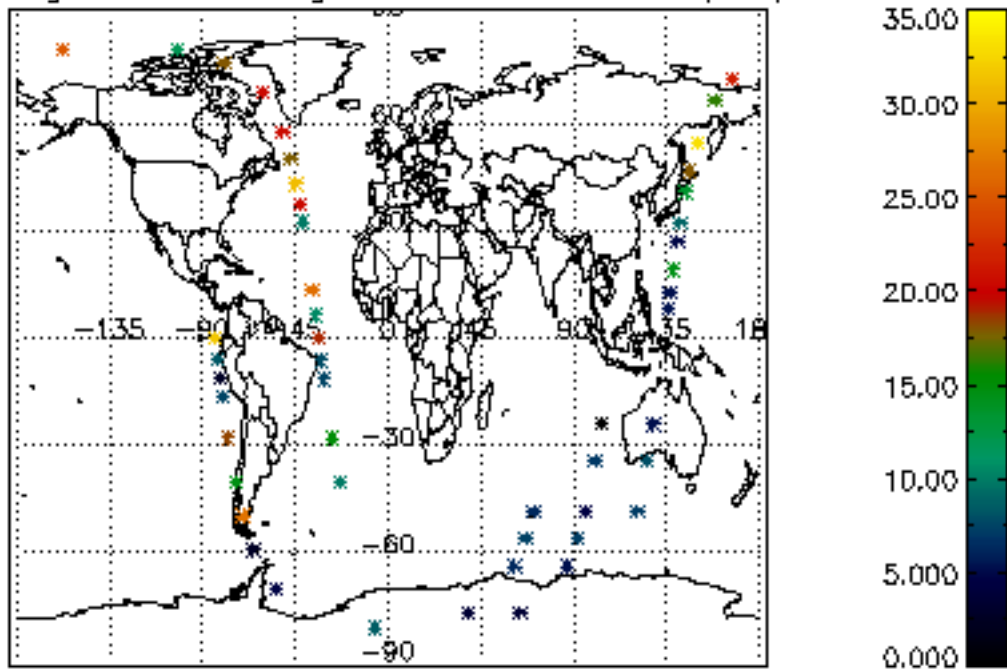
Percentage of cosmic ray hits per profile



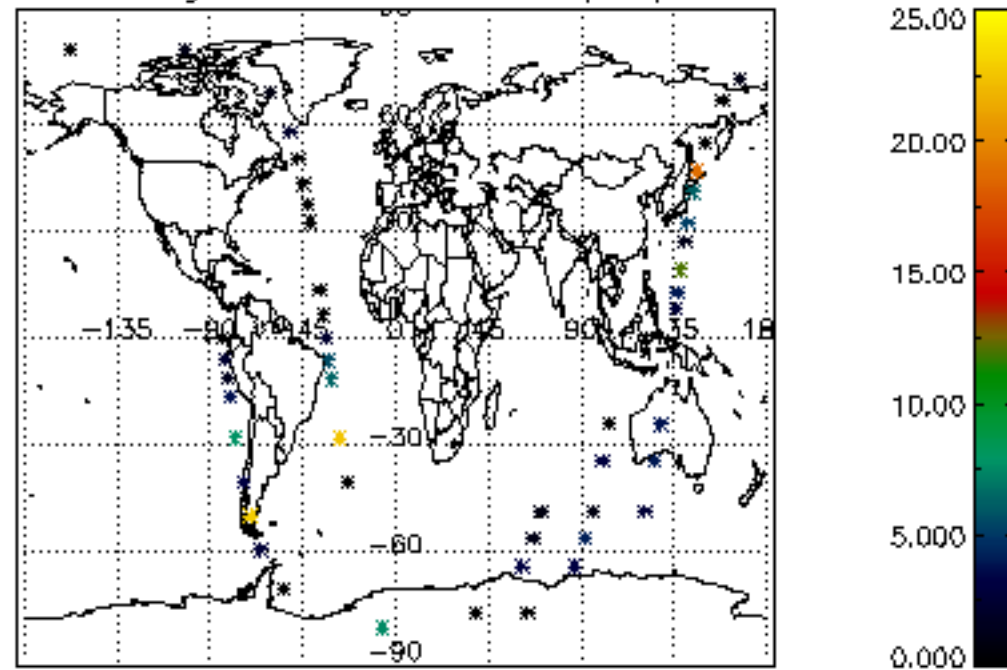
Percentage of datation errors per profile



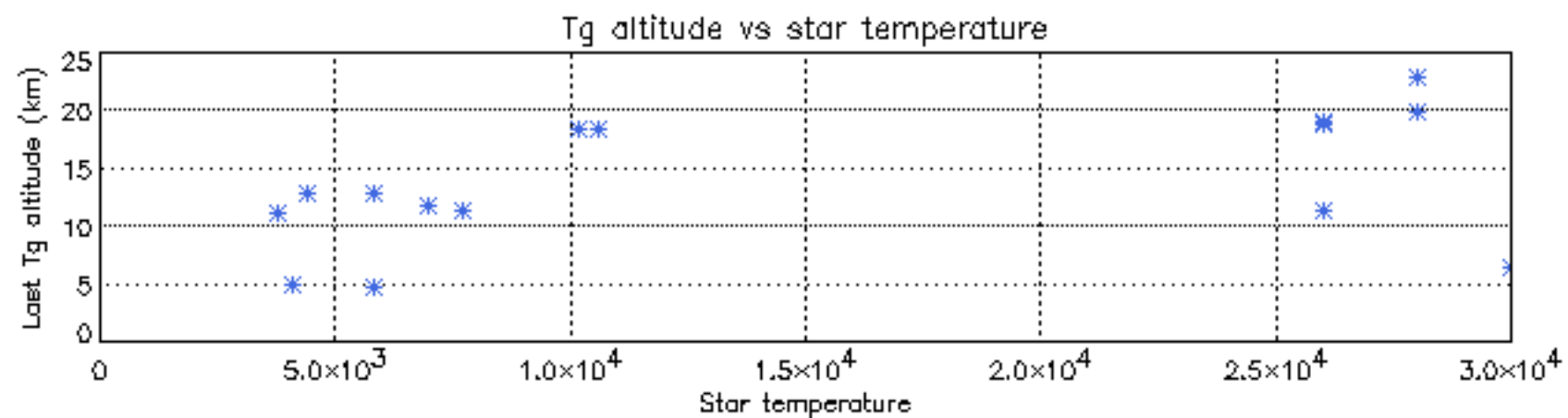
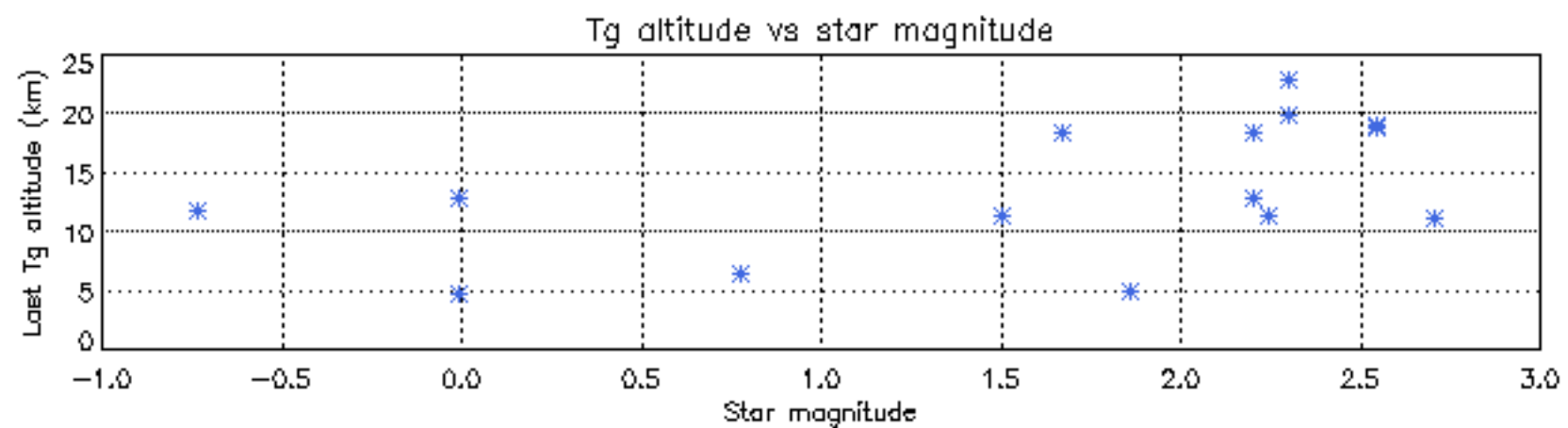
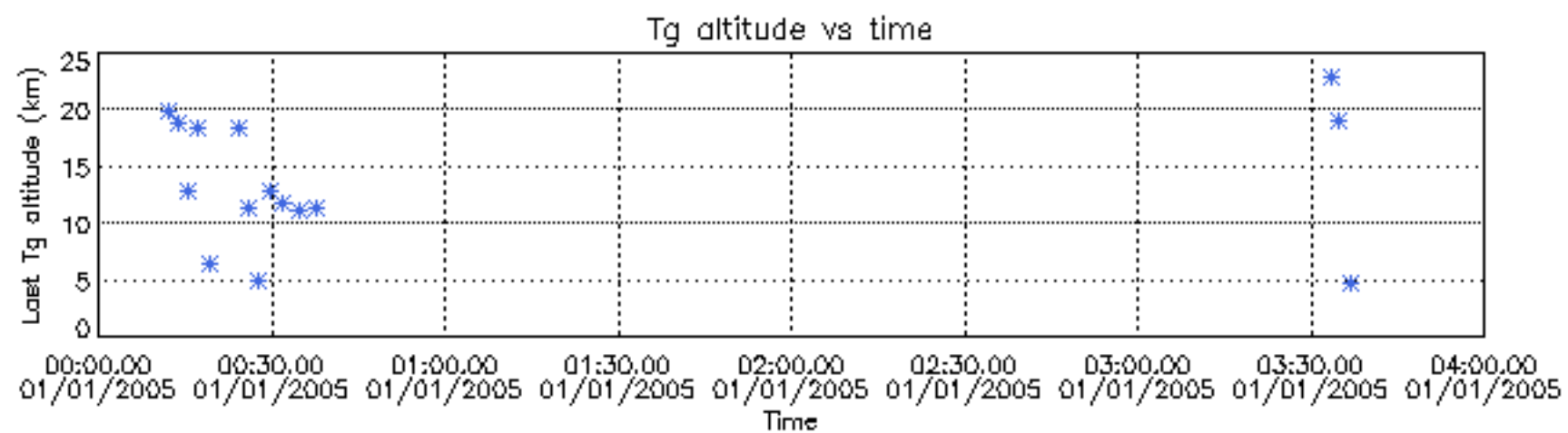
Percentage of star falling outside central band per profile



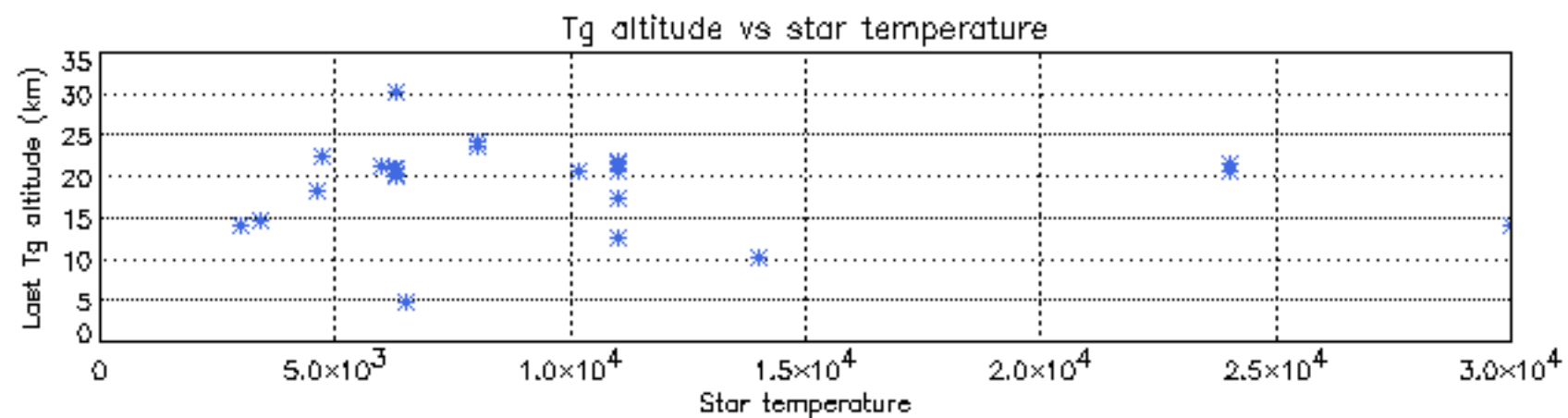
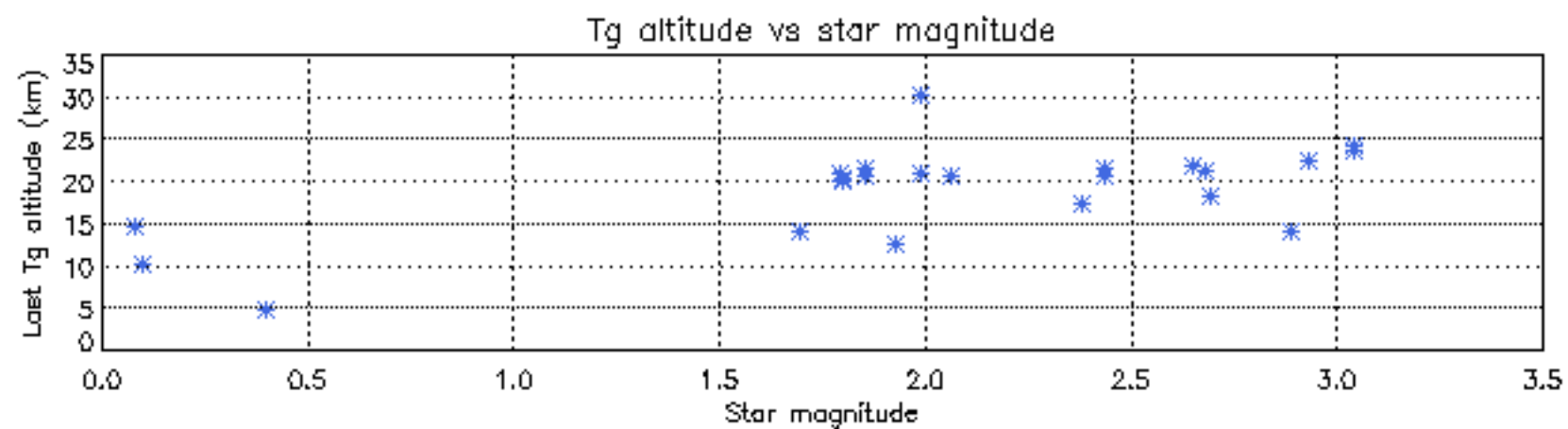
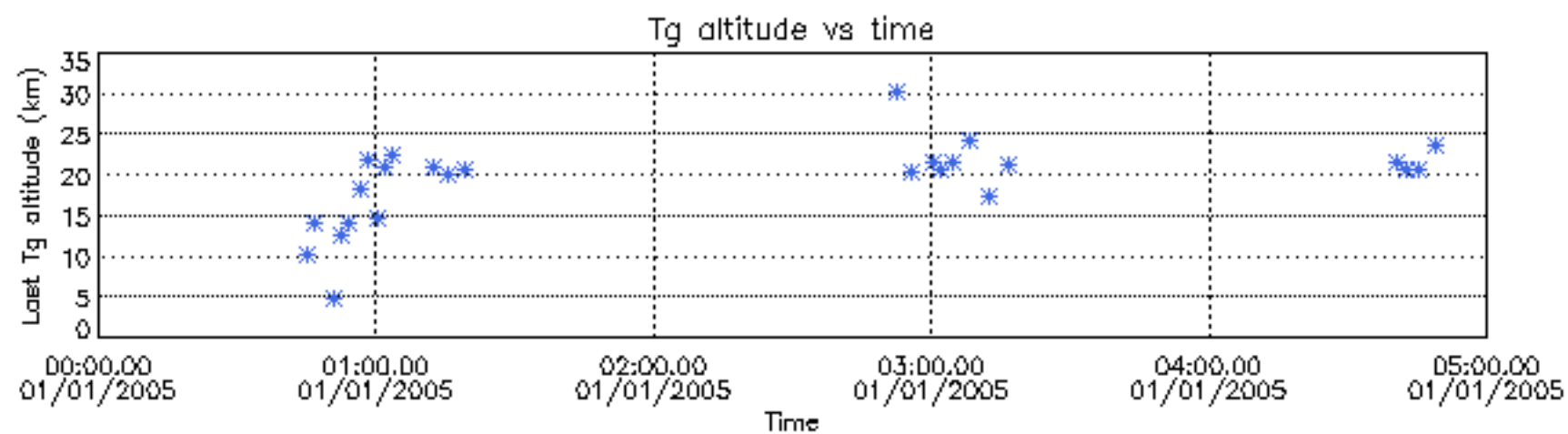
Percentage of saturation errors per profile



Tangent altitude at which the star is lost

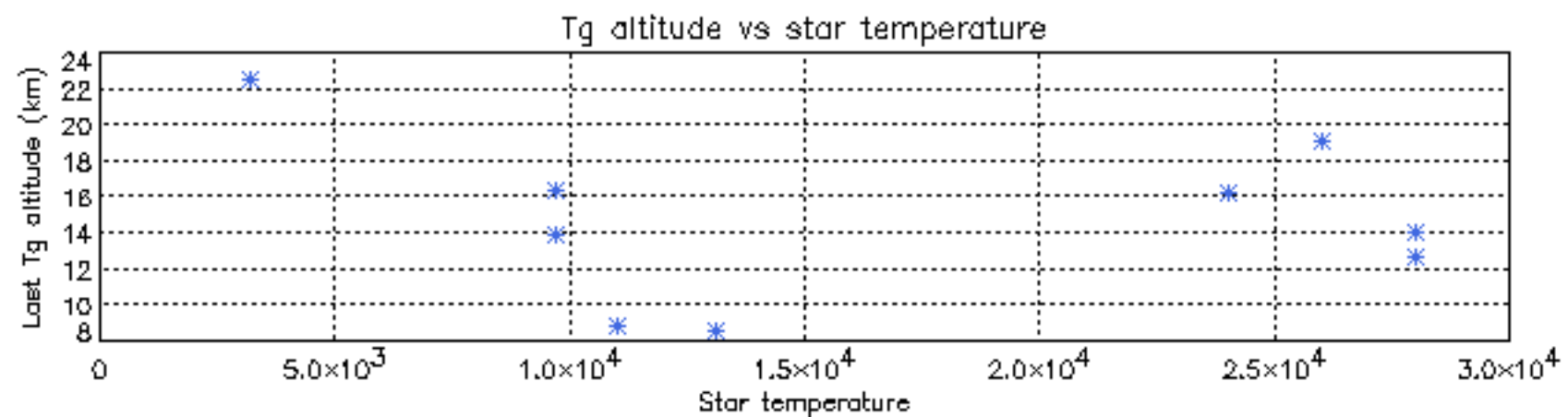
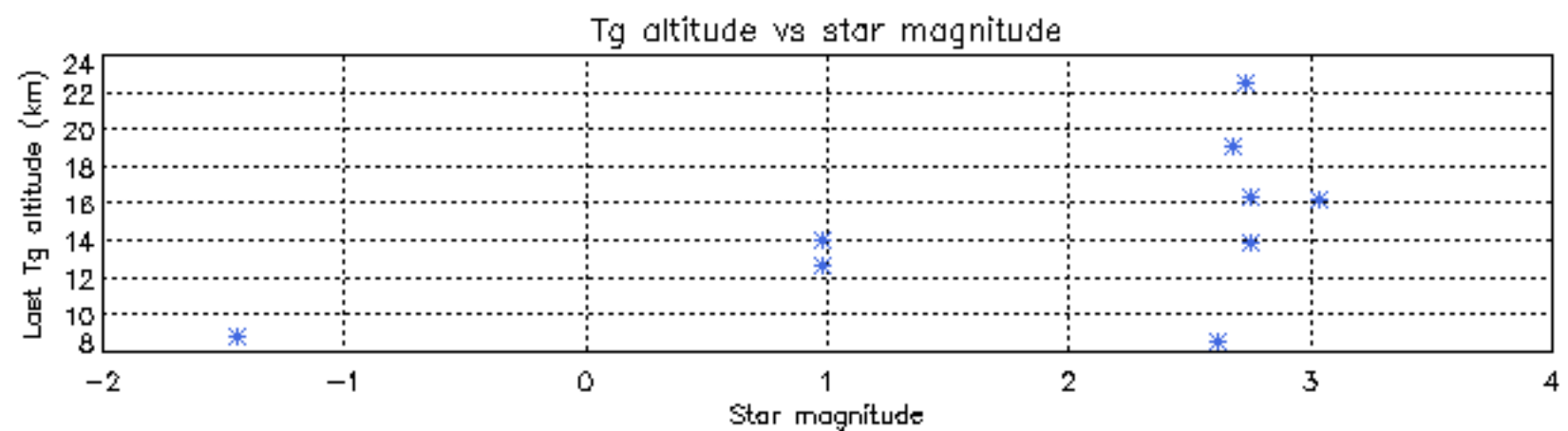
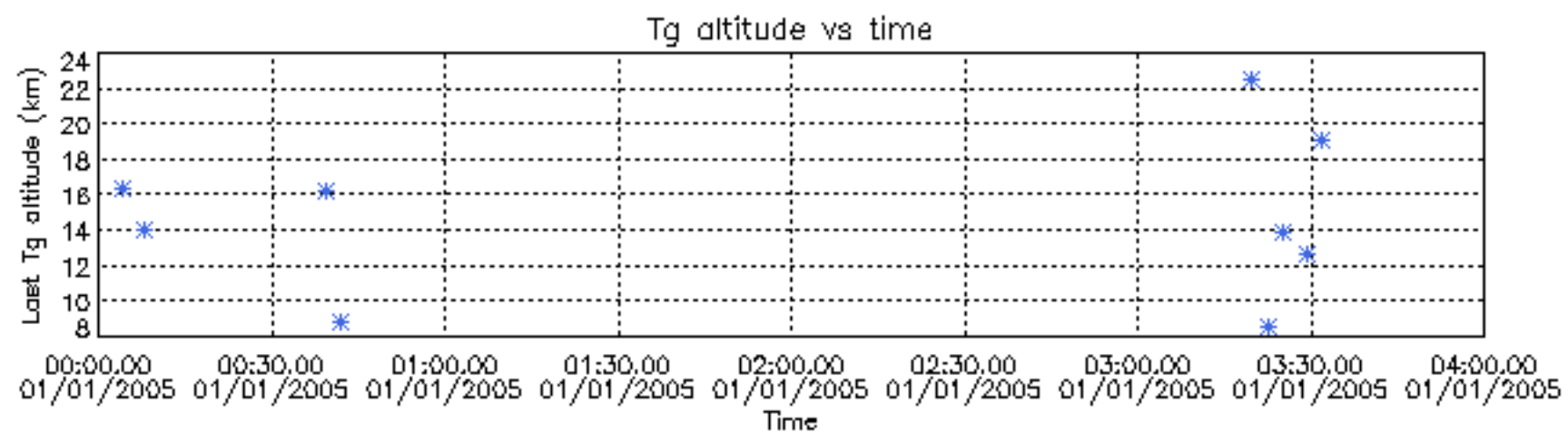


Tangent altitude at which the star is lost





Tangent altitude at which the star is lost



/nas1/ENVISAT/GOMOS/from\_DDS/GOM\_NL\_\_0PNPDE20050101\_000317\_000059232033\_00259\_14842\_1596.N1

1; -683.2; 01-JAN-2005 00:03:17; Dark ; 45.5; 122; 9Alp2Lib ; 2.75; 9700;occ; 91; 0;14842  
2; -474.4; 01-JAN-2005 00:06:46; Dark ; 69.0; 15; 67Alp Vir ; 0.98; 28000;occ; 138; 0;14842  
3; -192.1; 01-JAN-2005 00:11:28; Dark ; 39.5; 78; Alp Lup ; 2.30; 28000;occ; 79; 0;14842  
4; -105.7; 01-JAN-2005 00:12:55; Dark ; 45.0; 95; Zet Cen ; 2.55; 26000;occ; 90; 0;14842  
5; -2.3; 01-JAN-2005 00:14:38; Dark ; 45.0; 4; Alp1Cen ;-0.01; 5800;occ; 90; 0;14842  
6; 106.9; 01-JAN-2005 00:16:27; Dark ; 47.0; 64; Gam Cen ; 2.20; 10600;occ; 94; 0;14843  
7; 227.0; 01-JAN-2005 00:18:28; Dark ; 55.0; 12; Alp1Cru ; 0.77; 30000;occ; 110; 0;14843  
8; 400.9; 01-JAN-2005 00:21:21; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;14843  
9; 547.0; 01-JAN-2005 00:23:48; Dark ; 40.5; 29; Bet Car ; 1.67; 10200;occ; 81; 0;14843  
10; 628.2; 01-JAN-2005 00:25:09; Dark ; 51.5; 71; Iot Car ; 2.25; 7700;occ; 103; 0;14843  
11; 725.4; 01-JAN-2005 00:26:46; Dark ; 55.0; 41; Eps Car ; 1.86; 4100;occ; 110; 0;14843  
12; 846.1; 01-JAN-2005 00:28:47; Dark ; 56.5; 65; Lam Vel ; 2.20; 4400;occ; 113; 0;14843  
13; 977.2; 01-JAN-2005 00:30:58; Dark ; 46.5; 2; Alp Car ;-0.74; 7000;occ; 93; 0;14843  
14; 1171.4; 01-JAN-2005 00:34:12; Dark ; 51.5; 117; Pi Pup ; 2.71; 3800;occ; 103; 0;14843  
15; 1339.3; 01-JAN-2005 00:37:00; Dark ; 50.5; 23; 21Eps CMa ; 1.50; 26000;occ; 101; 0;14843  
16; 1432.6; 01-JAN-2005 00:38:33; Dark ; 46.5; 179; 240mi2CMA ; 3.03; 24000;occ; 93; 0;14843  
17; 1579.6; 01-JAN-2005 00:41:00; Dark ; 55.5; 1; 9Alp CMa ;-1.44; 11000;occ; 111; 0;14843  
18; 1768.2; 01-JAN-2005 00:44:09; Dark ; 46.5; 7; 19Bet Ori ; 0.10; 14000;occ; 93; 0;14843  
19; 1879.6; 01-JAN-2005 00:46:00; Dark ; 43.0; 30; 46Eps Ori ; 1.69; 30000;occ; 86; 0;14843  
20; 2091.3; 01-JAN-2005 00:49:32; Dark ; 83.0; 8; 10Alp CMI ; 0.40; 6500;occ; 166; 0;14843  
21; 2226.9; 01-JAN-2005 00:51:47; Dark ; 50.5; 44; 24Gam Gem ; 1.93; 11000;occ; 101; 0;14843  
22; 2323.7; 01-JAN-2005 00:53:24; Bright; 48.0; 151; 13Mu Gem ; 2.89; 3000;occ; 96; 0;14843  
23; 2470.5; 01-JAN-2005 00:55:51; Bright; 39.0; 114; 3Iot Aur ; 2.69; 4600;occ; 78; 0;14843  
24; 2562.0; 01-JAN-2005 00:57:23; Bright; 42.0; 107; 37The Aur ; 2.65; 11000;occ; 84; 0;14843  
25; 2690.9; 01-JAN-2005 00:59:32; Bright; 41.5; 6; 13Alp Aur ; 0.08; 3400;occ; 83; 0;14843  
26; 2799.5; 01-JAN-2005 01:01:20; Bright; 38.0; 35; 33Alp Per ; 1.79; 6250;occ; 76; 0;14843  
27; 2877.2; 01-JAN-2005 01:02:38; Bright; 37.0; 160; 23Gam Per ; 2.93; 4700;occ; 74; 0;14843  
28; 3420.6; 01-JAN-2005 01:11:41; Bright; 38.5; 49; 1Alp UMi ; 1.99; 6300;occ; 77; 0;14843  
29; 3592.4; 01-JAN-2005 01:14:33; Bright; 50.0; 36; 50Alp UMA ; 1.80; 6300;occ; 100; 0;14843  
30; 3835.1; 01-JAN-2005 01:18:36; Bright; 56.5; 87; 64Gam UMA ; 2.43; 11000;occ; 113; 0;14843  
31; 3967.7; 01-JAN-2005 01:20:48; Bright; 46.5; 55; 79Zet UMA ; 2.06; 10200;occ; 93; 0;14843  
32; 4105.1; 01-JAN-2005 01:23:06; Bright; 48.5; 39; 85Eta UMA ; 1.85; 24000;occ; 97; 0;14843  
33; 4351.9; 01-JAN-2005 01:27:12; Bright; 62.0; 180; 27Gam Boo ; 3.04; 8000;occ; 124; 0;14843  
34; 4573.3; 01-JAN-2005 01:30:54; Bright; 62.0; 83; ; 2.38; 11000;occ; 124; 0;14843  
35; 4825.9; 01-JAN-2005 01:35:06; Bright; 56.5; 111; 8Eta Boo ; 2.68; 6000;occ; 113; 0;14843  
36; 5028.6; 01-JAN-2005 01:38:29; Bright; 37.5; 120; 1Del Oph ; 2.73; 3200;occ; 75; 0;14843  
37; 5194.0; 01-JAN-2005 01:41:15; Bright; 47.0; 104; 27Bet Lib ; 2.61; 13100;occ; 94; 0;14843

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4; -192.0; 01-JAN-2005 01:52:04; Dark ; 41.0; 78; Alp Lup ; 2.30; 28000;occ; 82; 0;14843  
5; -103.3; 01-JAN-2005 01:53:33; Dark ; 43.0; 95; Zet Cen ; 2.55; 26000;occ; 86; 0;14843  
6; -1.3; 01-JAN-2005 01:55:15; Dark ; 43.0; 4; Alp1Cen ;-0.01; 5800;occ; 86; 0;14843  
7; 107.7; 01-JAN-2005 01:57:04; Dark ; 49.0; 64; Gam Cen ; 2.20; 10600;occ; 98; 0;14844  
8; 227.5; 01-JAN-2005 01:59:04; Dark ; 44.5; 12; Alp1Cru ; 0.77; 30000;occ; 89; 0;14844  
9; 401.2; 01-JAN-2005 02:01:58; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;14844  
10; 547.0; 01-JAN-2005 02:04:23; Dark ; 39.5; 29; Bet Car ; 1.67; 10200;occ; 79; 0;14844  
11; 630.6; 01-JAN-2005 02:05:47; Dark ; 44.0; 71; Iot Car ; 2.25; 7700;occ; 88; 0;14844  
12; 723.5; 01-JAN-2005 02:07:20; Dark ; 54.0; 41; Eps Car ; 1.86; 4100;occ; 108; 0;14844  
13; 847.2; 01-JAN-2005 02:09:24; Dark ; 55.0; 65; Lam Vel ; 2.20; 4400;occ; 110; 0;14844  
14; 977.4; 01-JAN-2005 02:11:34; Dark ; 50.5; 2; Alp Car ;-0.74; 7000;occ; 101; 0;14844  
15; 1170.1; 01-JAN-2005 02:14:47; Dark ; 51.5; 117; Pi Pup ; 2.71; 3800;occ; 103; 0;14844  
16; 1339.6; 01-JAN-2005 02:17:36; Dark ; 50.0; 23; 21Eps CMA ; 1.50; 26000;occ; 100; 0;14844  
17; 1432.3; 01-JAN-2005 02:19:09; Dark ; 45.5; 179; 240mi2CMA ; 3.03; 24000;occ; 91; 0;14844  
18; 1578.1; 01-JAN-2005 02:21:35; Dark ; 59.0; 1; 9Alp CMA ;-1.44; 11000;occ; 118; 0;14844  
19; 1767.7; 01-JAN-2005 02:24:44; Dark ; 52.0; 7; 19Bet Ori ; 0.10; 14000;occ; 104; 0;14844  
20; 1877.4; 01-JAN-2005 02:26:34; Dark ; 47.0; 30; 46Eps Ori ; 1.69; 30000;occ; 94; 0;14844  
21; 2090.4; 01-JAN-2005 02:30:07; Dark ; 69.5; 8; 10Alp CMI ; 0.40; 6500;occ; 139; 0;14844  
22; 2226.3; 01-JAN-2005 02:32:23; Dark ; 50.0; 44; 24Gam Gem ; 1.93; 11000;occ; 100; 0;14844  
23; 2321.7; 01-JAN-2005 02:33:58; Bright; 51.5; 151; 13Mu Gem ; 2.89; 3000;occ; 103; 0;14844  
24; 2470.5; 01-JAN-2005 02:36:27; Bright; 40.5; 114; 3Iot Aur ; 2.69; 4600;occ; 81; 0;14844  
25; 2563.4; 01-JAN-2005 02:38:00; Bright; 42.0; 107; 37The Aur ; 2.65; 11000;occ; 84; 0;14844  
26; 2690.9; 01-JAN-2005 02:40:07; Bright; 42.5; 6; 13Alp Aur ; 0.08; 3400;occ; 85; 0;14844  
27; 2800.2; 01-JAN-2005 02:41:57; Bright; 41.0; 35; 33Alp Per ; 1.79; 6250;occ; 82; 0;14844  
28; 2877.5; 01-JAN-2005 02:43:14; Bright; 39.0; 160; 23Gam Per ; 2.93; 4700;occ; 78; 0;14844  
29; 3418.8; 01-JAN-2005 02:52:15; Bright; 36.5; 49; 1Alp UMi ; 1.99; 6300;occ; 73; 0;14844

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 3;-2069.2; 01-JAN-2005 03:01:23; Bright; 48.0; 55; 79Zet UMA ; 2.06; 10200;occ; 96; 0;14844  
 4;-1931.2; 01-JAN-2005 03:03:41; Bright; 47.5; 39; 85Eta UMA ; 1.85; 24000;occ; 95; 0;14844  
 5;-1684.3; 01-JAN-2005 03:07:48; Bright; 42.0; 180; 27Gam Boo ; 3.04; 8000;occ; 84; 0;14844  
 6;-1462.8; 01-JAN-2005 03:11:30; Bright; 46.5; 83; ; 2.38; 11000;occ; 93; 0;14844  
 7;-1209.1; 01-JAN-2005 03:15:43; Bright; 54.5; 111; 8Eta Boo ; 2.68; 6000;occ; 109; 0;14844  
 8;-1007.7; 01-JAN-2005 03:19:05; Bright; 37.5; 120; 1Del Oph ; 2.73; 3200;occ; 75; 0;14844  
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 11; -471.0; 01-JAN-2005 03:28:01; Dark ; 71.0; 15; 67Alp Vir ; 0.98; 28000;occ; 142; 0;14844  
 12; -279.9; 01-JAN-2005 03:31:12; Dark ; 40.0; 109; Bet Lup ; 2.68; 26000;occ; 80; 0;14844  
 13; -191.3; 01-JAN-2005 03:32:41; Dark ; 38.0; 78; Alp Lup ; 2.30; 28000;occ; 76; 0;14844  
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 15; -0.6; 01-JAN-2005 03:35:52; Dark ; 52.0; 4; Alp1Cen ;-0.01; 5800;occ; 104; 0;14844  
 16; 230.9; 01-JAN-2005 03:39:43; Dark ; 43.5; 12; Alp1Cru ; 0.77; 30000;occ; 87; 0;14845  
 17; 401.5; 01-JAN-2005 03:42:34; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;14845  
 18; 547.9; 01-JAN-2005 03:45:00; Dark ; 39.5; 29; Bet Car ; 1.67; 10200;occ; 79; 0;14845  
 19; 631.8; 01-JAN-2005 03:46:24; Dark ; 50.0; 71; Iot Car ; 2.25; 7700;occ; 100; 0;14845  
 20; 726.8; 01-JAN-2005 03:47:59; Dark ; 41.0; 41; Eps Car ; 1.86; 4100;occ; 82; 0;14845  
 21; 847.6; 01-JAN-2005 03:50:00; Dark ; 56.5; 65; Lam Vel ; 2.20; 4400;occ; 113; 0;14845  
 22; 978.8; 01-JAN-2005 03:52:11; Dark ; 45.5; 2; Alp Car ;-0.74; 7000;occ; 91; 0;14845  
 23; 1173.0; 01-JAN-2005 03:55:25; Dark ; 51.5; 117; Pi Pup ; 2.71; 3800;occ; 103; 0;14845  
 24; 1340.7; 01-JAN-2005 03:58:13; Dark ; 48.5; 23; 21Eps CMA ; 1.50; 26000;occ; 97; 0;14845  
 25; 1432.4; 01-JAN-2005 03:59:45; Dark ; 48.0; 179; 240mi2CMA ; 3.03; 24000;occ; 96; 0;14845  
 26; 1580.7; 01-JAN-2005 04:02:13; Dark ; 53.5; 1; 9Alp CMA ;-1.44; 11000;occ; 107; 0;14845  
 27; 1768.6; 01-JAN-2005 04:05:21; Dark ; 52.0; 7; 19Bet Ori ; 0.10; 14000;occ; 104; 0;14845  
 28; 1879.9; 01-JAN-2005 04:07:12; Dark ; 43.5; 30; 46Eps Ori ; 1.69; 30000;occ; 87; 0;14845  
 29; 2089.8; 01-JAN-2005 04:10:42; Dark ; 71.0; 8; 10Alp CMi ; 0.40; 6500;occ; 142; 0;14845  
 30; 2225.7; 01-JAN-2005 04:12:58; Dark ; 50.0; 44; 24Gam Gem ; 1.93; 11000;occ; 100; 0;14845  
 31; 2323.8; 01-JAN-2005 04:14:36; Bright; 48.0; 151; 13Mu Gem ; 2.89; 3000;occ; 96; 0;14845  
 32; 2470.6; 01-JAN-2005 04:17:03; Bright; 41.0; 114; 3Iot Aur ; 2.69; 4600;occ; 82; 0;14845  
 33; 2563.8; 01-JAN-2005 04:18:36; Bright; 40.5; 107; 37The Aur ; 2.65; 11000;occ; 81; 0;14845  
 34; 2690.8; 01-JAN-2005 04:20:43; Bright; 41.5; 6; 13Alp Aur ; 0.08; 3400;occ; 83; 0;14845  
 35; 2800.2; 01-JAN-2005 04:22:33; Bright; 37.5; 35; 33Alp Per ; 1.79; 6250;occ; 75; 0;14845  
 36; 2877.9; 01-JAN-2005 04:23:50; Bright; 37.5; 160; 23Gam Per ; 2.93; 4700;occ; 75; 0;14845  
 37; 3420.9; 01-JAN-2005 04:32:53; Bright; 35.5; 49; 1Alp UMi ; 1.99; 6300;occ; 71; 0;14845  
 38; 3590.6; 01-JAN-2005 04:35:43; Bright; 50.5; 36; 50Alp UMa ; 1.80; 6300;occ; 101; 0;14845

/nas1/ENVISAT/GOMOS/from\_DDS/GOM\_NL\_\_0PNPDE20050101\_043627\_000060342033\_00262\_14845\_1599.N1

1;-2400.9; 01-JAN-2005 04:36:27; Bright; 51.0; 36; 50Alp UMA ; 1.80; 6300;occ; 102; 89;14845  
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 4;-1931.2; 01-JAN-2005 04:44:17; Bright; 48.0; 39; 85Eta UMA ; 1.85; 24000;occ; 96; 0;14845  
 5;-1684.3; 01-JAN-2005 04:48:24; Bright; 42.5; 180; 27Gam Boo ; 3.04; 8000;occ; 85; 0;14845  
 6;-1463.2; 01-JAN-2005 04:52:05; Bright; 62.0; 83; ; 2.38; 11000;occ; 124; 0;14845  
 7;-1209.2; 01-JAN-2005 04:56:19; Bright; 56.5; 111; 8Eta Boo ; 2.68; 6000;occ; 113; 0;14845  
 8;-1009.1; 01-JAN-2005 04:59:39; Bright; 39.5; 120; 1Del Oph ; 2.73; 3200;occ; 79; 0;14845  
 9; -840.6; 01-JAN-2005 05:02:28; Bright; 39.5; 104; 27Bet Lib ; 2.61; 13100;occ; 79; 0;14845  
 10; -680.8; 01-JAN-2005 05:05:08; Dark ; 43.0; 122; 9Alp2Lib ; 2.75; 9700;occ; 86; 0;14845  
 11; -470.2; 01-JAN-2005 05:08:38; Dark ; 83.5; 15; 67Alp Vir ; 0.98; 28000;occ; 167; 0;14845  
 12; -280.0; 01-JAN-2005 05:11:48; Dark ; 42.0; 109; Bet Lup ; 2.68; 26000;occ; 84; 0;14845  
 13; -191.1; 01-JAN-2005 05:13:17; Dark ; 43.0; 78; Alp Lup ; 2.30; 28000;occ; 86; 0;14845  
 14; -100.9; 01-JAN-2005 05:14:47; Dark ; 41.5; 95; Zet Cen ; 2.55; 26000;occ; 83; 0;14845  
 15; -0.4; 01-JAN-2005 05:16:28; Dark ; 52.0; 4; Alp1Cen ;-0.01; 5800;occ; 104; 0;14845  
 16; 231.6; 01-JAN-2005 05:20:20; Dark ; 51.5; 12; Alp1Cru ; 0.77; 30000;occ; 103; 0;14846  
 17; 401.7; 01-JAN-2005 05:23:10; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;14846  
 18; 548.6; 01-JAN-2005 05:25:37; Dark ; 40.5; 29; Bet Car ; 1.67; 10200;occ; 81; 0;14846  
 19; 632.6; 01-JAN-2005 05:27:01; Dark ; 45.5; 71; Iot Car ; 2.25; 7700;occ; 91; 0;14846  
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 21; 848.7; 01-JAN-2005 05:30:37; Dark ; 56.5; 65; Lam Vel ; 2.20; 4400;occ; 113; 0;14846  
 22; 979.1; 01-JAN-2005 05:32:47; Dark ; 40.5; 2; Alp Car ;-0.74; 7000;occ; 81; 0;14846  
 23; 1173.6; 01-JAN-2005 05:36:02; Dark ; 47.5; 117; Pi Pup ; 2.71; 3800;occ; 95; 0;14846  
 24; 1341.2; 01-JAN-2005 05:38:50; Dark ; 50.5; 23; 21Eps CMA ; 1.50; 26000;occ; 101; 0;14846  
 25; 1433.7; 01-JAN-2005 05:40:22; Dark ; 47.0; 179; 240mi2CMA ; 3.03; 24000;occ; 94; 0;14846  
 26; 1581.1; 01-JAN-2005 05:42:49; Dark ; 59.0; 1; 9Alp CMA ;-1.44; 11000;occ; 118; 0;14846  
 27; 1769.0; 01-JAN-2005 05:45:57; Dark ; 45.5; 7; 19Bet Ori ; 0.10; 14000;occ; 91; 0;14846  
 28; 1880.6; 01-JAN-2005 05:47:49; Dark ; 46.0; 30; 46Eps Ori ; 1.69; 30000;occ; 92; 0;14846

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29; 2088.8; 01-JAN-2005 05:51:17; Dark ; 74.5; 8; 10Alp CMi ; 0.40; 6500;occ; 149; 0;14846
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2;	-2352.4;	04-JAN-2005	04:43:00;	Bright;	40.0;	60;	7Bet UMi	; 2.08;	3950;occ;	80;	0;	14888
3;	-2231.5;	04-JAN-2005	04:45:01;	Bright;	50.5;	87;	64Gam UMA	; 2.43;	11000;occ;	101;	0;	14888
4;	-2083.3;	04-JAN-2005	04:47:29;	Bright;	46.5;	55;	79Zet UMA	; 2.06;	10200;occ;	93;	0;	14888
5;	-1939.5;	04-JAN-2005	04:49:53;	Bright;	49.0;	39;	85Eta UMA	; 1.85;	24000;occ;	98;	0;	14888
6;	-1704.7;	04-JAN-2005	04:53:48;	Bright;	66.0;	152;	12Alp2CVn	; 2.89;	11000;occ;	132;	0;	14888
7;	-1452.4;	04-JAN-2005	04:58:00;	Bright;	45.5;	83;		; 2.38;	11000;occ;	91;	0;	14888
8;	-1243.6;	04-JAN-2005	05:01:29;	Bright;	60.5;	3;	16Alp Boo	; -0.05;	4250;occ;	121;	0;	14888
9;	-1131.9;	04-JAN-2005	05:03:21;	Bright;	47.5;	102;	24Alp Ser	; 2.60;	4250;occ;	95;	0;	14888
10;	-995.5;	04-JAN-2005	05:05:37;	Bright;	38.0;	120;	1Del Oph	; 2.73;	3200;occ;	76;	0;	14888
11;	-820.3;	04-JAN-2005	05:08:32;	Bright;	42.0;	104;	27Bet Lib	; 2.61;	13100;occ;	84;	0;	14888
12;	-653.3;	04-JAN-2005	05:11:19;	Dark	; 44.0;	122;	9Alp2Lib	; 2.75;	9700;occ;	88;	0;	14888
13;	-404.3;	04-JAN-2005	05:15:28;	Dark	; 76.5;	15;	67Alp Vir	; 0.98;	28000;occ;	153;	0;	14888
14;	-259.6;	04-JAN-2005	05:17:53;	Dark	; 40.0;	109;	Bet Lup	; 2.68;	26000;occ;	80;	0;	14888
15;	-170.4;	04-JAN-2005	05:19:22;	Dark	; 41.5;	78;	Alp Lup	; 2.30;	28000;occ;	83;	0;	14888
16;	-73.3;	04-JAN-2005	05:20:59;	Dark	; 42.0;	95;	Zet Cen	; 2.55;	26000;occ;	84;	0;	14888
17;	13.7;	04-JAN-2005	05:22:26;	Dark	; 53.0;	4;	Alp1Cen	; -0.01;	5800;occ;	106;	0;	14889
18;	192.6;	04-JAN-2005	05:25:25;	Dark	; 50.5;	20;	Bet Cru	; 1.25;	30000;occ;	101;	0;	14889
19;	414.3;	04-JAN-2005	05:29:07;	Dark	; 59.5;	0;		; 0.00;	0;occ;	119;	0;	14889
20;	563.2;	04-JAN-2005	05:31:36;	Dark	; 46.5;	29;	Bet Car	; 1.67;	10200;occ;	93;	0;	14889
21;	655.5;	04-JAN-2005	05:33:08;	Dark	; 40.5;	71;	Iot Car	; 2.25;	7700;occ;	81;	0;	14889
22;	745.7;	04-JAN-2005	05:34:38;	Dark	; 53.0;	41;	Eps Car	; 1.86;	4100;occ;	106;	0;	14889
23;	878.7;	04-JAN-2005	05:36:51;	Dark	; 53.5;	65;	Lam Vel	; 2.20;	4400;occ;	107;	0;	14889
24;	989.5;	04-JAN-2005	05:38:42;	Dark	; 49.5;	2;	Alp Car	; -0.74;	7000;occ;	99;	0;	14889
25;	1188.7;	04-JAN-2005	05:42:01;	Dark	; 49.0;	117;	Pi Pup	; 2.71;	3800;occ;	98;	0;	14889
26;	1351.5;	04-JAN-2005	05:44:44;	Dark	; 46.0;	23;	21Eps CMa	; 1.50;	26000;occ;	92;	0;	14889
27;	1442.9;	04-JAN-2005	05:46:16;	Dark	; 45.5;	179;	24Omi2CMa	; 3.03;	24000;occ;	91;	0;	14889
28;	1586.0;	04-JAN-2005	05:48:39;	Dark	; 57.0;	1;	9Alp CMa	; -1.44;	11000;occ;	114;	0;	14889
29;	1774.8;	04-JAN-2005	05:51:47;	Dark	; 45.0;	7;	19Bet Ori	; 0.10;	14000;occ;	90;	0;	14889
30;	1883.8;	04-JAN-2005	05:53:36;	Dark	; 43.5;	30;	46Eps Ori	; 1.69;	30000;occ;	87;	0;	14889
31;	2065.2;	04-JAN-2005	05:56:38;	Dark	; 65.0;	8;	10Alp CMi	; 0.40;	6500;occ;	130;	0;	14889
32;	2212.5;	04-JAN-2005	05:59:05;	Dark	; 50.5;	44;	24Gam Gem	; 1.93;	11000;occ;	101;	0;	14889
33;	2311.4;	04-JAN-2005	06:00:44;	Bright;	49.0;	151;	13Mu Gem	; 2.89;	3000;occ;	98;	0;	14889
34;	2473.4;	04-JAN-2005	06:03:26;	Bright;	39.5;	114;	3Iot Aur	; 2.69;	4600;occ;	79;	0;	14889
35;	2554.8;	04-JAN-2005	06:04:47;	Bright;	38.5;	107;	37The Aur	; 2.65;	11000;occ;	77;	0;	14889
36;	2687.7;	04-JAN-2005	06:07:00;	Bright;	44.5;	6;	13Alp Aur	; 0.08;	3400;occ;	89;	0;	14889
37;	2814.3;	04-JAN-2005	06:09:07;	Bright;	37.5;	35;	33Alp Per	; 1.79;	6250;occ;	75;	0;	14889
38;	2892.7;	04-JAN-2005	06:10:25;	Bright;	38.5;	160;	23Gam Per	; 2.93;	4700;occ;	77;	0;	14889
39;	3421.1;	04-JAN-2005	06:19:14;	Bright;	38.5;	49;	1Alp UMi	; 1.99;	6300;occ;	77;	0;	14889
40;	3561.6;	04-JAN-2005	06:21:34;	Bright;	45.5;	36;	50Alp UMA	; 1.80;	6300;occ;	91;	0;	14889

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1;	-2353.1;	04-JAN-2005	06:23:35;	Bright;	38.0;	60;	7Bet UMi	; 2.08;	3950;occ;	76;	0;	14889
2;	-2232.4;	04-JAN-2005	06:25:36;	Bright;	54.5;	87;	64Gam UMA	; 2.43;	11000;occ;	109;	0;	14889
3;	-2083.3;	04-JAN-2005	06:28:05;	Bright;	48.5;	55;	79Zet UMA	; 2.06;	10200;occ;	97;	0;	14889
4;	-1939.7;	04-JAN-2005	06:30:29;	Bright;	48.0;	39;	85Eta UMA	; 1.85;	24000;occ;	96;	0;	14889
5;	-1705.0;	04-JAN-2005	06:34:24;	Bright;	67.0;	152;	12Alp2CVn	; 2.89;	11000;occ;	134;	0;	14889
6;	-1452.2;	04-JAN-2005	06:38:36;	Bright;	45.5;	83;		; 2.38;	11000;occ;	91;	0;	14889
7;	-1243.1;	04-JAN-2005	06:42:05;	Bright;	58.5;	3;	16Alp Boo	; -0.05;	4250;occ;	117;	0;	14889
8;	-1132.3;	04-JAN-2005	06:43:56;	Bright;	40.5;	102;	24Alp Ser	; 2.60;	4250;occ;	81;	0;	14889
9;	-995.8;	04-JAN-2005	06:46:13;	Bright;	38.0;	120;	1Del Oph	; 2.73;	3200;occ;	76;	0;	14889
10;	-819.9;	04-JAN-2005	06:49:09;	Bright;	42.5;	104;	27Bet Lib	; 2.61;	13100;occ;	85;	0;	14889
11;	-652.2;	04-JAN-2005	06:51:56;	Dark	; 46.5;	122;	9Alp2Lib	; 2.75;	9700;occ;	93;	0;	14889
12;	-403.2;	04-JAN-2005	06:56:05;	Dark	; 76.0;	15;	67Alp Vir	; 0.98;	28000;occ;	152;	0;	14889
13;	-258.8;	04-JAN-2005	06:58:30;	Dark	; 39.5;	109;	Bet Lup	; 2.68;	26000;occ;	79;	0;	14889
14;	-170.0;	04-JAN-2005	06:59:59;	Dark	; 42.5;	78;	Alp Lup	; 2.30;	28000;occ;	85;	0;	14889
15;	-72.3;	04-JAN-2005	07:01:36;	Dark	; 42.5;	95;	Zet Cen	; 2.55;	26000;occ;	85;	0;	14889
16;	14.4;	04-JAN-2005	07:03:03;	Dark	; 53.0;	4;	Alp1Cen	; -0.01;	5800;occ;	106;	0;	14890
17;	146.9;	04-JAN-2005	07:05:15;	Dark	; 46.0;	64;	Gam Cen	; 2.20;	10600;occ;	92;	0;	14890
18;	254.2;	04-JAN-2005	07:07:03;	Dark	; 41.0;	12;	Alp1Cru	; 0.77;	30000;occ;	82;	0;	14890
19;	414.6;	04-JAN-2005	07:09:43;	Dark	; 59.5;	0;		; 0.00;	0;occ;	119;	0;	14890
20;	564.0;	04-JAN-2005	07:12:12;	Dark	; 41.5;	29;	Bet Car	; 1.67;	10200;occ;	83;	0;	14890
21;	656.2;	04-JAN-2005	07:13:45;	Dark	; 42.0;	71;	Iot Car	; 2.25;	7700;occ;	84;	0;	14890
22;	746.2;	04-JAN-2005	07:15:15;	Dark	; 53.0;	41;	Eps Car	; 1.86;	4100;occ;	106;	0;	14890
23;	879.8;	04-JAN-2005	07:17:28;	Dark	; 58.5;	65;	Lam Vel	; 2.20;	4400;occ;	117;	0;	14890
24;	990.1;	04-JAN-2005	07:19:19;	Dark	; 44.0;	2;	Alp Car	; -0.74;	7000;occ;	88;	0;	14890
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26;	1189.3;	04-JAN-2005	07:22:38;	Dark	; 45.0;	117;	Pi Pup	; 2.71;	3800;occ;	90;	0;	14890



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28; 1443.5; 04-JAN-2005 07:26:52; Dark ; 41.0; 179; 240mi2CMa ; 3.03; 24000;occ; 82; 0;14890
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4; -4005.8; 04-JAN-2005 07:36:39; Dark ; 54.0; 14; 58Alp Ori ; 0.87; 3000;occ; 108; 0;14890
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7; -3562.1; 04-JAN-2005 07:44:02; Bright; 38.0; 114; 3Iot Aur ; 2.69; 4600;occ; 76; 0;14890
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17; -1981.4; 04-JAN-2005 08:10:23; Bright; 37.5; 130; 23Bet Dra ; 2.80; 5800;occ; 75; 0;14890
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22; -994.8; 04-JAN-2005 08:26:50; Bright; 38.0; 120; 1Del Oph ; 2.73; 3200;occ; 76; 0;14890
23; -818.4; 04-JAN-2005 08:29:46; Bright; 43.0; 104; 27Bet Lib ; 2.61; 13100;occ; 86; 0;14890
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26; -258.1; 04-JAN-2005 08:39:06; Dark ; 39.5; 109; Bet Lup ; 2.68; 26000;occ; 79; 0;14890
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32; 414.8; 04-JAN-2005 08:50:19; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;14891
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35; 746.9; 04-JAN-2005 08:55:51; Dark ; 54.5; 41; Eps Car ; 1.86; 4100;occ; 109; 0;14891
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4; -3823.0; 04-JAN-2005 09:20:17; Dark ; 42.0; 44; 24Gam Gem ; 1.93; 11000;occ; 84; 0;14891
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21; -994.6; 04-JAN-2005 10:07:26; Bright; 37.0; 120; 1Del Oph ; 2.73; 3200;occ; 74; 0;14891
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31; 415.1; 04-JAN-2005 10:30:55; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;14892
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```



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```



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4; 1362.6; 06-JAN-2005 19:47:04; Dark ; 47.0; 23; 21Eps CMA ; 1.50; 26000;occ; 94; 0;14926
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13; 2478.1; 06-JAN-2005 20:05:40; Bright; 37.0; 114; 3Iot Aur ; 2.69; 4600;occ; 74; 0;14926
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15; 2773.9; 06-JAN-2005 20:10:36; Bright; 36.0; 175; 39Del Per ; 3.01; 19400;occ; 72; 0;14926
16; 2908.1; 06-JAN-2005 20:12:50; Bright; 38.5; 160; 23Gam Per ; 2.93; 4700;occ; 77; 0;14926

```

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```

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```

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14;-3398.7; 07-JAN-2005 16:15:30; Bright; 37.0; 149; 45Eps Per ; 2.89; 30000;occ; 74; 0;14938
15;-3260.2; 07-JAN-2005 16:17:49; Bright; 37.5; 175; 39Del Per ; 3.01; 19400;occ; 75; 0;14938
16;-3124.9; 07-JAN-2005 16:20:04; Bright; 39.5; 160; 23Gam Per ; 2.93; 4700;occ; 79; 0;14938
17;-2612.9; 07-JAN-2005 16:28:36; Bright; 36.5; 49; 1Alp UMi ; 1.99; 6300;occ; 73; 0;14938
18;-2506.9; 07-JAN-2005 16:30:22; Bright; 50.5; 36; 50Alp UMA ; 1.80; 6300;occ; 101; 0;14938
19;-2112.2; 07-JAN-2005 16:36:57; Bright; 37.5; 119; 14Eta Dra ; 2.73; 4700;occ; 75; 0;14938
20;-1972.4; 07-JAN-2005 16:39:17; Bright; 36.0; 130; 23Bet Dra ; 2.80; 5800;occ; 72; 0;14938
21;-1714.3; 07-JAN-2005 16:43:35; Bright; 70.5; 152; 12Alp2CVn ; 2.89; 11000;occ; 141; 0;14938
22;-1440.6; 07-JAN-2005 16:48:08; Bright; 67.0; 83; ; 2.38; 11000;occ; 134; 0;14938
23;-1314.1; 07-JAN-2005 16:50:15; Bright; 35.5; 59; 55Alp Oph ; 2.08; 8900;occ; 71; 0;14938
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26;-791.6; 07-JAN-2005 16:58:57; Dark ; 49.0; 104; 27Bet Lib ; 2.61; 13100;occ; 98; 0;14938
27;-651.7; 07-JAN-2005 17:01:17; Dark ; 45.0; 80; 7Del Sco ; 2.32; 30000;occ; 90; 0;14938
28;-316.1; 07-JAN-2005 17:06:53; Dark ; 96.0; 15; 67Alp Vir ; 0.98; 28000;occ; 192; 0;14938
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30; 32.4; 07-JAN-2005 17:12:41; Dark ; 53.0; 4; Alp1Cen ;-0.01; 5800;occ; 106; 0;14939
31; 221.8; 07-JAN-2005 17:15:51; Dark ; 42.0; 20; Bet Cru ; 1.25; 30000;occ; 84; 0;14939
32; 344.7; 07-JAN-2005 17:17:54; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;14939
33; 481.4; 07-JAN-2005 17:20:10; Dark ; 39.5; 124; The Car ; 2.76; 30000;occ; 79; 0;14939
34; 581.6; 07-JAN-2005 17:21:51; Dark ; 38.0; 29; Bet Car ; 1.67; 10200;occ; 76; 0;14939
35; 681.2; 07-JAN-2005 17:23:30; Dark ; 43.5; 71; Iot Car ; 2.25; 7700;occ; 87; 0;14939
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12;-3735.0; 07-JAN-2005 17:50:30; Bright; 46.5; 151; 13Mu Gem ; 2.89; 3000;occ; 93; 0;14939
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14;-3557.7; 07-JAN-2005 17:53:27; Bright; 38.0; 114; 3Iot Aur ; 2.69; 4600;occ; 76; 0;14939
15;-3398.3; 07-JAN-2005 17:56:07; Bright; 38.5; 149; 45Eps Per ; 2.89; 30000;occ; 77; 0;14939
16;-3124.7; 07-JAN-2005 18:00:40; Bright; 39.0; 160; 23Gam Per ; 2.93; 4700;occ; 78; 0;14939
17;-2612.6; 07-JAN-2005 18:09:12; Bright; 37.0; 49; 1Alp UMi ; 1.99; 6300;occ; 74; 0;14939
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```

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23;-1314.0; 07-JAN-2005 18:30:51; Bright; 35.5; 59; 55Alp Oph ; 2.08; 8900;occ; 71; 0;14939
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33; 481.8; 07-JAN-2005 19:00:47; Dark ; 40.5; 124; The Car ; 2.76; 30000;occ; 81; 0;14940
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31; -142.2; 07-JAN-2005 20:30:59; Dark ; 40.0; 78; Alp Lup ; 2.30; 28000;occ; 80; 0;14940
32; 33.2; 07-JAN-2005 20:33:54; Dark ; 53.0; 4; Alp1Cen ;-0.01; 5800;occ; 106; 0;14941
33; 223.4; 07-JAN-2005 20:37:04; Dark ; 45.0; 20; Bet Cru ; 1.25; 30000;occ; 90; 0;14941
34; 351.2; 07-JAN-2005 20:39:12; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;14941
35; 482.3; 07-JAN-2005 20:41:23; Dark ; 39.0; 124; The Car ; 2.76; 30000;occ; 78; 0;14941
36; 582.5; 07-JAN-2005 20:43:03; Dark ; 38.0; 29; Bet Car ; 1.67; 10200;occ; 76; 0;14941
37; 682.2; 07-JAN-2005 20:44:43; Dark ; 42.5; 71; Iot Car ; 2.25; 7700;occ; 85; 0;14941
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3; -306.5; 08-JAN-2005 01:30:02; Dark ; 87.5; 15; 67Alp Vir ; 0.98; 28000;occ; 175; 0;14943
4; -140.5; 08-JAN-2005 01:32:48; Dark ; 40.5; 78; Alp Lup ; 2.30; 28000;occ; 81; 0;14943
5; 34.3; 08-JAN-2005 01:35:43; Dark ; 42.5; 4; Alp1Cen ;-0.01; 5800;occ; 85; 0;14944
6; 224.9; 08-JAN-2005 01:38:54; Dark ; 42.0; 20; Bet Cru ; 1.25; 30000;occ; 84; 0;14944
7; 361.1; 08-JAN-2005 01:41:10; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;14944
8; 483.7; 08-JAN-2005 01:43:12; Dark ; 40.5; 124; The Car ; 2.76; 30000;occ; 81; 0;14944
9; 583.5; 08-JAN-2005 01:44:52; Dark ; 40.0; 29; Bet Car ; 1.67; 10200;occ; 80; 0;14944
10; 683.4; 08-JAN-2005 01:46:32; Dark ; 42.5; 71; Iot Car ; 2.25; 7700;occ; 85; 0;14944
11; 768.9; 08-JAN-2005 01:47:58; Dark ; 51.5; 41; Eps Car ; 1.86; 4100;occ; 103; 0;14944
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14; 1205.8; 08-JAN-2005 01:55:14; Dark ; 47.0; 117; Pi Pup ; 2.71; 3800;occ; 94; 0;14944

```



```

15; 1366.1; 08-JAN-2005 01:57:55; Dark ; 44.5; 23; 21Eps CMA ; 1.50; 26000;occ; 89; 0;14944
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32; 590.9; 09-JAN-2005 14:38:10; Dark ; 39.5; 29; Bet Car ; 1.67; 10200;occ; 79; 0;14966
33; 694.1; 09-JAN-2005 14:39:54; Dark ; 42.0; 71; Iot Car ; 2.25; 7700;occ; 84; 0;14966

```



```

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36; 1105.2; 09-JAN-2005 14:46:45; Dark ; 46.5; 70; Zet Pup ; 2.25; 39000;occ; 93; 0;14966
37; 1213.4; 09-JAN-2005 14:48:33; Dark ; 50.0; 117; Pi Pup ; 2.71; 3800;occ; 100; 0;14966
38; 1371.7; 09-JAN-2005 14:51:11; Dark ; 36.0; 23; 21Eps CMA ; 1.50; 26000;occ; 72; 0;14966
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31; 329.9; 09-JAN-2005 16:14:25; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;14967
32; 495.3; 09-JAN-2005 16:17:11; Dark ; 39.5; 124; The Car ; 2.76; 30000;occ; 79; 0;14967
33; 591.2; 09-JAN-2005 16:18:47; Dark ; 39.0; 29; Bet Car ; 1.67; 10200;occ; 78; 0;14967
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35; 778.2; 09-JAN-2005 16:21:54; Dark ; 50.5; 41; Eps Car ; 1.86; 4100;occ; 101; 0;14967
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37; 1105.8; 09-JAN-2005 16:27:21; Dark ; 46.5; 70; Zet Pup ; 2.25; 39000;occ; 93; 0;14967
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11; 2030.7; 09-JAN-2005 20:03:58; Dark ; 51.5; 14; 58Alp Ori ; 0.87; 3000;occ; 103; 0;14969
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13; 2294.6; 09-JAN-2005 20:08:22; Bright; 47.0; 151; 13Mu Gem ; 2.89; 3000;occ; 94; 0;14969
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22; 3849.3; 09-JAN-2005 20:34:17; Bright; 47.0; 32; 77Eps UMA ; 1.76; 11000;occ; 94; 0;14969
23; 4067.6; 09-JAN-2005 20:37:55; Bright; 34.5; 130; 23Bet Dra ; 2.80; 5800;occ; 69; 0;14969

```

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24; 4246.3; 09-JAN-2005 20:40:54; Bright; 37.5; 5; 3Alp Lyr ; 0.03; 11000;occ; 75; 0;14969
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27; 4726.7; 09-JAN-2005 20:48:54; Bright; 36.0; 59; 55Alp Oph ; 2.08; 8900;occ; 72; 0;14969
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3; -883.1; 09-JAN-2005 20:56:00; Bright; 37.5; 98; 13Zet Oph ; 2.57; 30000;occ; 75; 0;14969
4; -772.6; 09-JAN-2005 20:57:51; Dark ; 47.0; 104; 27Bet Lib ; 2.61; 13100;occ; 94; 0;14969
5; -639.3; 09-JAN-2005 21:00:04; Dark ; 47.0; 80; 7Del Sco ; 2.32; 30000;occ; 94; 0;14969
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8; 240.5; 09-JAN-2005 21:14:44; Dark ; 44.0; 20; Bet Cru ; 1.25; 30000;occ; 88; 0;14970
9; 332.7; 09-JAN-2005 21:16:16; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;14970
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12; 696.1; 09-JAN-2005 21:22:20; Dark ; 41.5; 71; Iot Car ; 2.25; 7700;occ; 83; 0;14970
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38; 4726.9; 09-JAN-2005 22:29:30; Bright; 35.5; 59; 55Alp Oph ; 2.08; 8900;occ; 71; 0;14970
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3; -311.7; 09-JAN-2005 22:46:08; Dark ; 40.5; 131; Gam Lup ; 2.80; 26000;occ; 81; 0;14970
4; -216.6; 09-JAN-2005 22:47:43; Dark ; 40.5; 109; Bet Lup ; 2.68; 26000;occ; 81; 0;14970
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```

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9; -4138.9; 11-JAN-2005 18:58:31; Dark ; 41.0; 30; 46Eps Ori ; 1.69; 30000;occ; 82; 0;14997
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13; -3638.3; 11-JAN-2005 19:06:52; Bright; 39.0; 28; 12Bet Tau ; 1.65; 15200;occ; 78; 0;14997
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16; -3237.5; 11-JAN-2005 19:13:33; Bright; 37.5; 175; 39Del Per ; 3.01; 19400;occ; 75; 0;14997
17; -2612.4; 11-JAN-2005 19:23:58; Bright; 37.0; 49; 1Alp UMi ; 1.99; 6300;occ; 74; 0;14997
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23; -1682.4; 11-JAN-2005 19:39:28; Bright; 49.0; 180; 27Gam Boo ; 3.04; 8000;occ; 98; 0;14997
24; -1425.0; 11-JAN-2005 19:43:45; Bright; 53.5; 83; ; 2.38; 11000;occ; 107; 0;14997
25; -1303.4; 11-JAN-2005 19:45:47; Bright; 35.0; 59; 55Alp Oph ; 2.08; 8900;occ; 70; 0;14997
26; -1092.5; 11-JAN-2005 19:49:18; Dark ; 84.5; 111; 8Eta Boo ; 2.68; 6000;occ; 169; 0;14997
27; -873.3; 11-JAN-2005 19:52:57; Bright; 37.5; 98; 13Zet Oph ; 2.57; 30000;occ; 75; 0;14997
28; -753.2; 11-JAN-2005 19:54:57; Dark ; 49.0; 104; 27Bet Lib ; 2.61; 13100;occ; 98; 0;14997
29; -606.3; 11-JAN-2005 19:57:24; Dark ; 52.0; 16; 21Alp Sco ; 1.02; 3000;occ; 104; 0;14997
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31; -189.9; 11-JAN-2005 20:04:20; Dark ; 95.5; 15; 67Alp Vir ; 0.98; 28000;occ; 191; 0;14997
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33; 257.6; 11-JAN-2005 20:11:48; Dark ; 43.0; 20; Bet Cru ; 1.25; 30000;occ; 86; 0;14998
34; 359.0; 11-JAN-2005 20:13:29; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;14998
35; 510.9; 11-JAN-2005 20:16:01; Dark ; 38.0; 124; The Car ; 2.76; 30000;occ; 76; 0;14998
36; 601.2; 11-JAN-2005 20:17:31; Dark ; 39.0; 29; Bet Car ; 1.67; 10200;occ; 78; 0;14998
37; 709.5; 11-JAN-2005 20:19:20; Dark ; 40.5; 71; Iot Car ; 2.25; 7700;occ; 81; 0;14998
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3; -298.3; 12-JAN-2005 01:04:19; Dark ; 39.5; 131; Gam Lup ; 2.80; 26000;occ; 79; 0;15000
4; -183.1; 12-JAN-2005 01:06:15; Dark ; 114.5; 15; 67Alp Vir ; 0.98; 28000;occ; 229; 0;15000
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6; 362.0; 12-JAN-2005 01:15:20; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;15001
7; 511.1; 12-JAN-2005 01:17:49; Dark ; 41.0; 124; The Car ; 2.76; 30000;occ; 82; 0;15001
8; 600.9; 12-JAN-2005 01:19:19; Dark ; 40.5; 29; Bet Car ; 1.67; 10200;occ; 81; 0;15001
9; 709.5; 12-JAN-2005 01:21:07; Dark ; 44.5; 71; Iot Car ; 2.25; 7700;occ; 89; 0;15001
10; 790.1; 12-JAN-2005 01:22:28; Dark ; 41.0; 41; Eps Car ; 1.86; 4100;occ; 82; 0;15001
11; 1013.8; 12-JAN-2005 01:26:12; Dark ; 45.5; 2; Alp Car ; -0.74; 7000;occ; 91; 0;15001
12; 1117.3; 12-JAN-2005 01:27:55; Dark ; 46.0; 70; Zet Pup ; 2.25; 39000;occ; 92; 0;15001
13; 1222.6; 12-JAN-2005 01:29:40; Dark ; 43.0; 117; Pi Pup ; 2.71; 3800;occ; 86; 0;15001
14; 1376.0; 12-JAN-2005 01:32:14; Dark ; 49.0; 23; 21Eps CMA ; 1.50; 26000;occ; 98; 0;15001
15; 1464.2; 12-JAN-2005 01:33:42; Dark ; 44.5; 179; 240mi2CMA ; 3.03; 24000;occ; 89; 0;15001
16; 1599.9; 12-JAN-2005 01:35:58; Dark ; 54.0; 1; 9Alp CMA ; -1.44; 11000;occ; 108; 0;15001
17; 1795.2; 12-JAN-2005 01:39:13; Dark ; 38.0; 7; 19Bet Ori ; 0.10; 14000;occ; 76; 0;15001
18; 1896.8; 12-JAN-2005 01:40:54; Dark ; 42.0; 30; 46Eps Ori ; 1.69; 30000;occ; 84; 0;15001
19; 2022.9; 12-JAN-2005 01:43:01; Dark ; 65.5; 8; 10Alp CMI ; 0.40; 6500;occ; 131; 0;15001
20; 2190.7; 12-JAN-2005 01:45:48; Dark ; 45.0; 44; 24Gam Gem ; 1.93; 11000;occ; 90; 0;15001
21; 2293.4; 12-JAN-2005 01:47:31; Bright; 44.5; 151; 13Mu Gem ; 2.89; 3000;occ; 89; 0;15001
22; 2397.7; 12-JAN-2005 01:49:15; Bright; 38.0; 28; 12Bet Tau ; 1.65; 15200;occ; 76; 0;15001
23; 2488.3; 12-JAN-2005 01:50:46; Bright; 39.0; 114; 3Iot Aur ; 2.69; 4600;occ; 78; 0;15001
24; 2672.5; 12-JAN-2005 01:53:50; Bright; 39.0; 42; 34Bet Aur ; 1.90; 10200;occ; 78; 0;15001
25; 2799.9; 12-JAN-2005 01:55:58; Bright; 52.5; 175; 39Del Per ; 3.01; 19400;occ; 105; 0;15001

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2;	-2206.1;	12-JAN-2005	02:13:08;	Bright;	53.5;	32;	77Eps UMa	; 1.76;	11000;occ;	107;	0;15001
3;	-1965.5;	12-JAN-2005	02:17:08;	Bright;	36.5;	130;	23Bet Dra	; 2.80;	5800;occ;	73;	0;15001
4;	-1785.9;	12-JAN-2005	02:20:08;	Bright;	39.0;	5;	3Alp Lyr	; 0.03;	11000;occ;	78;	0;15001
5;	-1683.0;	12-JAN-2005	02:21:51;	Bright;	49.5;	180;	27Gam Boo	; 3.04;	8000;occ;	99;	0;15001
6;	-1424.4;	12-JAN-2005	02:26:09;	Bright;	53.5;	83;		; 2.38;	11000;occ;	107;	0;15001
7;	-1306.3;	12-JAN-2005	02:28:07;	Bright;	38.0;	59;	55Alp Oph	; 2.08;	8900;occ;	76;	0;15001
8;	-1088.0;	12-JAN-2005	02:31:46;	Dark	; 89.0;	111;	8Eta Boo	; 2.68;	6000;occ;	178;	0;15001
9;	-873.0;	12-JAN-2005	02:35:21;	Bright;	38.5;	98;	13Zet Oph	; 2.57;	30000;occ;	77;	0;15001
10;	-752.5;	12-JAN-2005	02:37:21;	Dark	; 48.5;	104;	27Bet Lib	; 2.61;	13100;occ;	97;	0;15001
11;	-606.8;	12-JAN-2005	02:39:47;	Dark	; 50.0;	16;	21Alp Sco	; 1.02;	3000;occ;	100;	0;15001
12;	-298.4;	12-JAN-2005	02:44:55;	Dark	; 40.0;	131;	Gam Lup	; 2.80;	26000;occ;	80;	0;15001
13;	-180.6;	12-JAN-2005	02:46:53;	Dark	; 97.5;	15;	67Alp Vir	; 0.98;	28000;occ;	195;	0;15001
14;	257.1;	12-JAN-2005	02:54:11;	Dark	; 46.5;	20;	Bet Cru	; 1.25;	30000;occ;	93;	0;15002
15;	363.0;	12-JAN-2005	02:55:57;	Dark	; 59.5;	0;		; 0.00;	0;occ;	119;	0;15002
16;	511.0;	12-JAN-2005	02:58:25;	Dark	; 40.5;	124;	The Car	; 2.76;	30000;occ;	81;	0;15002
17;	600.8;	12-JAN-2005	02:59:54;	Dark	; 47.0;	29;	Bet Car	; 1.67;	10200;occ;	94;	0;15002
18;	710.1;	12-JAN-2005	03:01:44;	Dark	; 44.0;	71;	Iot Car	; 2.25;	7700;occ;	88;	0;15002
19;	789.8;	12-JAN-2005	03:03:03;	Dark	; 54.0;	41;	Eps Car	; 1.86;	4100;occ;	108;	0;15002
20;	1014.5;	12-JAN-2005	03:06:48;	Dark	; 47.0;	2;	Alp Car	; -0.74;	7000;occ;	94;	0;15002
21;	1117.5;	12-JAN-2005	03:08:31;	Dark	; 47.0;	70;	Zet Pup	; 2.25;	39000;occ;	94;	0;15002
22;	1222.2;	12-JAN-2005	03:10:16;	Dark	; 48.5;	117;	Pi Pup	; 2.71;	3800;occ;	97;	0;15002
23;	1376.3;	12-JAN-2005	03:12:50;	Dark	; 49.0;	23;	21Eps CMa	; 1.50;	26000;occ;	98;	0;15002
24;	1464.5;	12-JAN-2005	03:14:18;	Dark	; 43.0;	179;	240mi2CMa	; 3.03;	24000;occ;	86;	0;15002
25;	1600.1;	12-JAN-2005	03:16:34;	Dark	; 48.0;	1;	9Alp CMa	; -1.44;	11000;occ;	96;	0;15002
26;	1795.3;	12-JAN-2005	03:19:49;	Dark	; 43.0;	7;	19Bet Ori	; 0.10;	14000;occ;	86;	0;15002
27;	1896.9;	12-JAN-2005	03:21:31;	Dark	; 43.0;	30;	46Eps Ori	; 1.69;	30000;occ;	86;	0;15002
28;	2022.6;	12-JAN-2005	03:23:36;	Dark	; 62.0;	8;	10Alp CMi	; 0.40;	6500;occ;	124;	0;15002
29;	2190.6;	12-JAN-2005	03:26:24;	Dark	; 44.0;	44;	24Gam Gem	; 1.93;	11000;occ;	88;	0;15002
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31;	2396.8;	12-JAN-2005	03:29:50;	Bright;	39.5;	28;	12Bet Tau	; 1.65;	15200;occ;	79;	0;15002
32;	2487.8;	12-JAN-2005	03:31:21;	Bright;	40.5;	114;	3Iot Aur	; 2.69;	4600;occ;	81;	0;15002
33;	2672.5;	12-JAN-2005	03:34:26;	Bright;	37.5;	42;	34Bet Aur	; 1.90;	10200;occ;	75;	0;15002
34;	2800.1;	12-JAN-2005	03:36:34;	Bright;	37.0;	175;	39Del Per	; 3.01;	19400;occ;	74;	0;15002

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2;	-2206.9;	12-JAN-2005	05:34:19;	Bright;	51.5;	32;	77Eps UMa	; 1.76;	11000;occ;	103;	0;15003
3;	-1965.7;	12-JAN-2005	05:38:20;	Bright;	35.5;	130;	23Bet Dra	; 2.80;	5800;occ;	71;	0;15003
4;	-1783.9;	12-JAN-2005	05:41:22;	Bright;	36.5;	5;	3Alp Lyr	; 0.03;	11000;occ;	73;	0;15003
5;	-1683.2;	12-JAN-2005	05:43:02;	Bright;	49.0;	180;	27Gam Boo	; 3.04;	8000;occ;	98;	0;15003
6;	-1424.1;	12-JAN-2005	05:47:22;	Bright;	53.5;	83;		; 2.38;	11000;occ;	107;	0;15003
7;	-1304.1;	12-JAN-2005	05:49:22;	Bright;	36.5;	59;	55Alp Oph	; 2.08;	8900;occ;	73;	0;15003
8;	-1086.0;	12-JAN-2005	05:53:00;	Dark	; 80.0;	111;	8Eta Boo	; 2.68;	6000;occ;	160;	0;15003
9;	-872.5;	12-JAN-2005	05:56:33;	Bright;	53.0;	98;	13Zet Oph	; 2.57;	30000;occ;	106;	0;15003
10;	-751.2;	12-JAN-2005	05:58:34;	Dark	; 50.5;	104;	27Bet Lib	; 2.61;	13100;occ;	101;	0;15003
11;	-606.2;	12-JAN-2005	06:00:59;	Dark	; 45.0;	16;	21Alp Sco	; 1.02;	3000;occ;	90;	0;15003
12;	-297.5;	12-JAN-2005	06:06:08;	Dark	; 43.0;	131;	Gam Lup	; 2.80;	26000;occ;	86;	0;15003
13;	-175.8;	12-JAN-2005	06:08:10;	Dark	; 93.0;	15;	67Alp Vir	; 0.98;	28000;occ;	186;	0;15003
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17;	602.3;	12-JAN-2005	06:21:08;	Dark	; 39.0;	29;	Bet Car	; 1.67;	10200;occ;	78;	0;15004
18;	711.8;	12-JAN-2005	06:22:57;	Dark	; 42.0;	71;	Iot Car	; 2.25;	7700;occ;	84;	0;15004
19;	791.2;	12-JAN-2005	06:24:17;	Dark	; 50.0;	41;	Eps Car	; 1.86;	4100;occ;	100;	0;15004
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21;	1118.9;	12-JAN-2005	06:29:45;	Dark	; 45.5;	70;	Zet Pup	; 2.25;	39000;occ;	91;	0;15004
22;	1223.8;	12-JAN-2005	06:31:29;	Dark	; 45.0;	117;	Pi Pup	; 2.71;	3800;occ;	90;	0;15004
23;	1379.5;	12-JAN-2005	06:34:05;	Dark	; 48.0;	23;	21Eps CMa	; 1.50;	26000;occ;	96;	0;15004
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26;	1795.3;	12-JAN-2005	06:41:01;	Dark	; 52.0;	7;	19Bet Ori	; 0.10;	14000;occ;	104;	0;15004
27;	1896.9;	12-JAN-2005	06:42:43;	Dark	; 41.5;	30;	46Eps Ori	; 1.69;	30000;occ;	83;	0;15004
28;	2022.0;	12-JAN-2005	06:44:48;	Dark	; 62.5;	8;	10Alp CMi	; 0.40;	6500;occ;	125;	0;15004
29;	2191.3;	12-JAN-2005	06:47:37;	Dark	; 46.5;	44;	24Gam Gem	; 1.93;	11000;occ;	93;	0;15004
30;	2293.0;	12-JAN-2005	06:49:19;	Bright;	45.0;	151;	13Mu Gem	; 2.89;	3000;occ;	90;	0;15004
31;	2398.1;	12-JAN-2005	06:51:04;	Bright;	39.0;	28;	12Bet Tau	; 1.65;	15200;occ;	78;	0;15004
32;	2488.8;	12-JAN-2005	06:52:34;	Bright;	39.5;	114;	3Iot Aur	; 2.69;	4600;occ;	79;	0;15004



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33; 2672.4; 12-JAN-2005 06:55:38; Bright; 38.5; 42; 34Bet Aur ; 1.90; 10200;occ; 77; 0;15004
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13; 261.6; 12-JAN-2005 07:56:03; Dark ; 43.5; 20; Bet Cru ; 1.25; 30000;occ; 87; 0;15005
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22; 2397.9; 12-JAN-2005 23:37:03; Bright; 39.0; 28; 12Bet Tau ; 1.65; 15200;occ; 78; 0;15014
23; 2490.1; 12-JAN-2005 23:38:35; Bright; 39.5; 114; 3Iot Aur ; 2.69; 4600;occ; 79; 0;15014
24; 2671.4; 12-JAN-2005 23:41:36; Bright; 53.0; 42; 34Bet Aur ; 1.90; 10200;occ; 106; 0;15014
25; 2804.7; 12-JAN-2005 23:43:50; Bright; 36.0; 175; 39Del Per ; 3.01; 19400;occ; 72; 0;15014
26; 3422.6; 12-JAN-2005 23:54:08; Bright; 37.0; 49; 1Alp UMi ; 1.99; 6300;occ; 74; 0;15014

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 27; 369.4; 12-JAN-2005 14:40:15; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;15009  
 28; 515.2; 12-JAN-2005 14:42:40; Dark ; 41.0; 124; The Car ; 2.76; 30000;occ; 82; 0;15009  
 29; 604.0; 12-JAN-2005 14:44:09; Dark ; 43.5; 29; Bet Car ; 1.67; 10200;occ; 87; 0;15009  
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27; 2929.0; 15-JAN-2005 23:51:40; Bright; 107.5; 166; 17Eps Leo ; 2.98; 6000;occ; 215; 0;15057
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 33; 4263.7; 16-JAN-2005 00:13:54; Bright; 52.0; 5; 3Alp Lyr ; 0.03; 11000;occ; 104; 0;15057  
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 36; 4904.4; 16-JAN-2005 00:24:35; Bright; 91.5; 3; 16Alp Boo ;-0.05; 4250;occ; 183; 0;15057  
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26; 2671.6; 23-JAN-2005 22:55:39; Bright; 40.0; 42; 34Bet Aur ; 1.90; 10200;occ; 80; 0;15171
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33; 4202.9; 23-JAN-2005 23:21:11; Bright; 112.0; 152; 12Alp2CVn ; 2.89; 11000;occ; 224; 0;15171
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7; 222.3; 23-JAN-2005 23:55:26; Dark ; 45.5; 77; Eps Cen ; 2.30; 28000;occ; 91; 0;15172
8; 313.1; 23-JAN-2005 23:56:57; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;15172
9; 405.4; 23-JAN-2005 23:58:29; Dark ; 45.0; 12; Alp1Cru ; 0.77; 30000;occ; 90; 0;15172
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37; 1495.1; 23-JAN-2005 09:11:15; Dark ; 40.5; 179; 240mi2CMA ; 3.03; 24000;occ; 81; 0;15163
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