

# GOMOS Daily Report 24-SEP-2008

## Level 0 and Level 1 products

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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	26SEP2008 05:41:51
Data source version	GOMOS/5.00
Start time of products	24SEP2008 00:00:09
Stop time of products	24SEP2008 06:01:49
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)

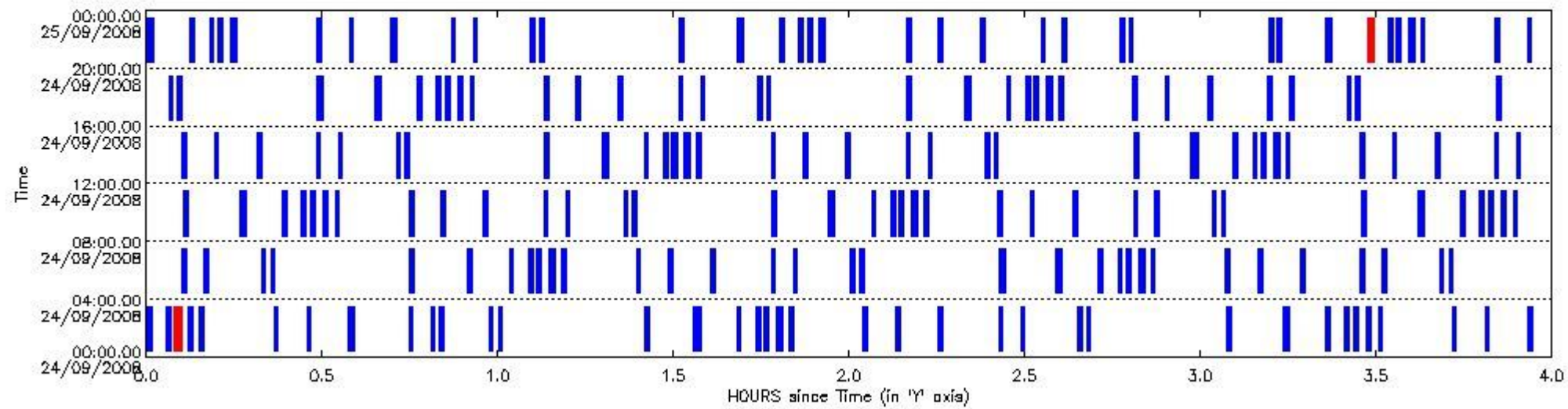
### 2.1 Level 0 products arrived in PCF (see template [here](#))

### 2.2 Plot of mission plan versus Level 0 production arrived in PCF during reporting period

Red segments are missing products.

Blue segments are available products.

Green segments are calibration measurements (not available products to users).



### 2.3 Summary of missing occultations (red segments in previous plot)

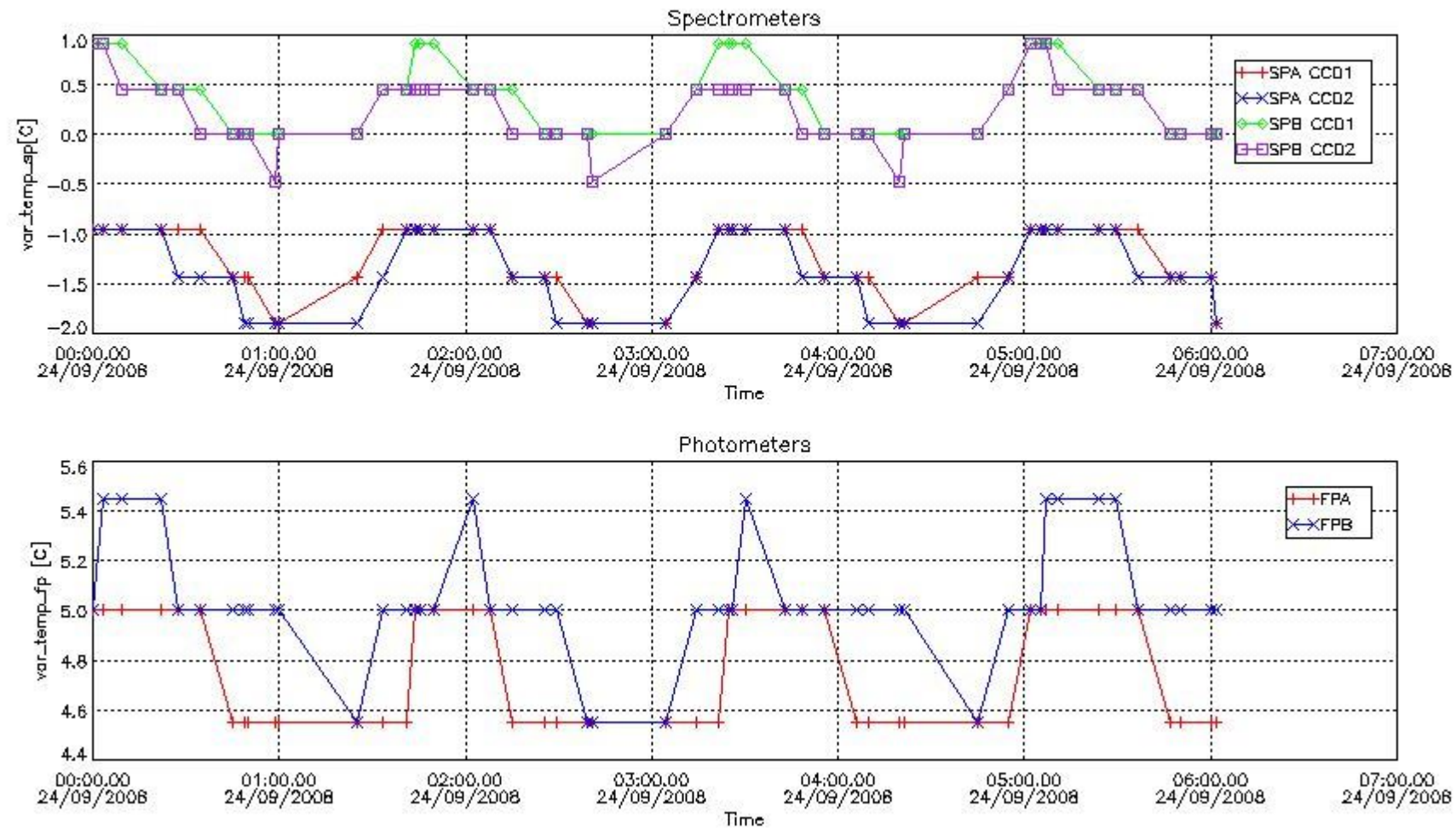
UTC start time	Star name	Star ID	Orbit
24-SEP-2008 00:04:49	21EpsCMa	23	34338
24-SEP-2008 23:28:42	15RhoPup	132	34352

### 2.4 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_1PNPDE20080924_000009_000000452072_00216_34338_5053.N1	24-SEP-2008 00:00:09	Dark	45.000	132	15Rho Pup	2.8030	6900.0	90	34338	No
2	GOM_TRA_1PNPDE20080924_000323_000000442072_00216_34338_5054.N1	24-SEP-2008 00:03:23	Dark	44.000	88	31Eta CMa	2.4480	20000.	88	34338	No
3	GOM_TRA_1PNPDE20080924_000908_000000402072_00217_34339_5055.N1	24-SEP-2008 00:09:08	Dark	40.000	161	Tau Pup	2.9310	4500.0	80	34339	No
4	GOM_TRA_1PNPDE20080924_002149_000000412072_00217_34339_5056.N1	24-SEP-2008 00:21:49	Dark	40.500	9	Alp Eri	0.45300	24000.	81	34339	No
5	GOM_TRA_1PNPDE20080924_002721_000000432072_00217_34339_5057.N1	24-SEP-2008 00:27:21	Straylight	42.500	84	Alp Phe	2.3970	4500.0	85	34339	No
6	GOM_TRA_1PNPDE20080924_003434_000000512072_00217_34339_5058.N1	24-SEP-2008 00:34:34	Twilight_stray	50.500	52	16Bet Cet	2.0370	4500.0	101	34339	No
7	GOM_TRA_1PNPDE20080924_004456_000000382072_00217_34339_5059.N1	24-SEP-2008 00:44:56	Bright	37.500	90	54Alp Peg	2.4870	11000.	75	34339	No
8	GOM_TRA_1PNPDE20080924_004840_000000362072_00217_34339_5060.N1	24-SEP-2008 00:48:40	Bright	35.500	93	53Bet Peg	2.5200	3100.0	71	34339	No
9	GOM_TRA_1PNPDE20080924_004959_000000432072_00217_34339_5061.N1	24-SEP-2008 00:49:59	Bright	42.500	58	21Alp And	2.0730	11000.	85	34339	No

10	GOM_TRA_1PNPDE20080924_005830_000000402072_00217_34339_5062.N1	24-SEP-2008 00:58:30	Bright	39.500	74	11Bet Cas	2.2680	6600.0	79	34339	No
11	GOM_TRA_1PNPDE20080924_010003_000000412072_00217_34339_5063.N1	24-SEP-2008 01:00:03	Bright	40.500	76	27Gam Cas	2.3000	30000.	81	34339	No
12	GOM_TRA_1PNPDE20080924_012507_000000502072_00217_34339_5064.N1	24-SEP-2008 01:25:07	Bright	49.500	17	78Bet Gem	1.1610	4500.0	99	34339	No
13	GOM_TRA_1PNPDE20080924_013328_000000682072_00217_34339_5065.N1	24-SEP-2008 01:33:28	Dark	67.500	8	10Alp CMi	0.40000	6500.0	135	34339	No
14	GOM_TRA_1PNPDE20080924_014046_000000472072_00217_34339_5166.N1	24-SEP-2008 01:40:46	Dark	46.500	132	15Rho Pup	2.8030	6900.0	93	34339	No
15	GOM_TRA_1PNPDE20080924_014400_000000462072_00217_34339_5167.N1	24-SEP-2008 01:44:00	Dark	46.000	88	31Eta CMa	2.4480	20000.	92	34339	No
16	GOM_TRA_1PNPDE20080924_014526_000000542072_00217_34339_5168.N1	24-SEP-2008 01:45:26	Dark	54.000	23	21Eps CMa	1.5020	26000.	108	34339	No
17	GOM_TRA_1PNPDE20080924_014944_000000442072_00218_34340_5169.N1	24-SEP-2008 01:49:44	Dark	43.500	161	Tau Pup	2.9310	4500.0	87	34340	No
18	GOM_TRA_1PNPDE20080924_020226_000000442072_00218_34340_5170.N1	24-SEP-2008 02:02:26	Dark	44.000	9	Alp Eri	0.45300	24000.	88	34340	No
19	GOM_TRA_1PNPDE20080924_020757_000000452072_00218_34340_5171.N1	24-SEP-2008 02:07:57	Straylight	44.500	84	Alp Phe	2.3970	4500.0	89	34340	No
20	GOM_TRA_1PNPDE20080924_021510_000000522072_00218_34340_5172.N1	24-SEP-2008 02:15:10	Twilight_and_stray	51.500	52	16Bet Cet	2.0370	4500.0	103	34340	No
21	GOM_TRA_1PNPDE20080924_022532_000000372072_00218_34340_5173.N1	24-SEP-2008 02:25:32	Bright	37.000	90	54Alp Peg	2.4870	11000.	74	34340	No
22	GOM_TRA_1PNPDE20080924_022916_000000382072_00218_34340_5174.N1	24-SEP-2008 02:29:16	Bright	37.500	93	53Bet Peg	2.5200	3100.0	75	34340	No
23	GOM_TRA_1PNPDE20080924_023905_000000392072_00218_34340_5175.N1	24-SEP-2008 02:39:05	Bright	39.000	74	11Bet Cas	2.2680	6600.0	78	34340	No
24	GOM_TRA_1PNPDE20080924_024038_000000392072_00218_34340_5176.N1	24-SEP-2008 02:40:38	Bright	39.000	76	27Gam Cas	2.3000	30000.	78	34340	No
25	GOM_TRA_1PNPDE20080924_030424_000000482072_00218_34340_5325.N1	24-SEP-2008 03:04:24	Bright	48.000	24	66Alp Gem	1.5800	10200.	96	34340	No
26	GOM_TRA_1PNPDE20080924_031405_000000722072_00218_34340_5326.N1	24-SEP-2008 03:14:05	Dark	71.500	8	10Alp CMi	0.40000	6500.0	143	34340	No
27	GOM_TRA_1PNPDE20080924_032122_000000442072_00218_34340_5327.N1	24-SEP-2008 03:21:22	Dark	44.000	132	15Rho Pup	2.8030	6900.0	88	34340	No
28	GOM_TRA_1PNPDE20080924_032437_000000472072_00218_34340_5328.N1	24-SEP-2008 03:24:37	Dark	47.000	88	31Eta CMa	2.4480	20000.	94	34340	No
29	GOM_TRA_1PNPDE20080924_032603_000000492072_00218_34340_5329.N1	24-SEP-2008 03:26:03	Dark	49.000	23	21Eps CMa	1.5020	26000.	98	34340	No
30	GOM_TRA_1PNPDE20080924_033021_000000412072_00219_34341_5330.N1	24-SEP-2008 03:30:21	Dark	41.000	161	Tau Pup	2.9310	4500.0	82	34341	No
31	GOM_TRA_1PNPDE20080924_034302_000000402072_00219_34341_5331.N1	24-SEP-2008 03:43:02	Dark	40.000	9	Alp Eri	0.45300	24000.	80	34341	No
32	GOM_TRA_1PNPDE20080924_034834_000000422072_00219_34341_5332.N1	24-SEP-2008 03:48:34	Straylight	42.000	84	Alp Phe	2.3970	4500.0	84	34341	No
33	GOM_TRA_1PNPDE20080924_035546_000000522072_00219_34341_5333.N1	24-SEP-2008 03:55:46	Twilight_and_stray	52.000	52	16Bet Cet	2.0370	4500.0	104	34341	No
34	GOM_TRA_1PNPDE20080924_040608_000000372072_00219_34341_5334.N1	24-SEP-2008 04:06:08	Bright	37.000	90	54Alp Peg	2.4870	11000.	74	34341	No
35	GOM_TRA_1PNPDE20080924_040952_000000372072_00219_34341_5335.N1	24-SEP-2008 04:09:52	Bright	37.000	93	53Bet Peg	2.5200	3100.0	74	34341	No
36	GOM_TRA_1PNPDE20080924_041941_000000392072_00219_34341_5336.N1	24-SEP-2008 04:19:41	Bright	38.500	74	11Bet Cas	2.2680	6600.0	77	34341	No
37	GOM_TRA_1PNPDE20080924_042114_000000402072_00219_34341_5337.N1	24-SEP-2008 04:21:14	Bright	39.500	76	27Gam Cas	2.3000	30000.	79	34341	No
38	GOM_TRA_1PNPDE20080924_044500_000000482072_00219_34341_5484.N1	24-SEP-2008 04:45:00	Bright	48.000	24	66Alp Gem	1.5800	10200.	96	34341	No
39	GOM_TRA_1PNPDE20080924_045442_000000622072_00219_34341_5485.N1	24-SEP-2008 04:54:42	Dark	61.500	8	10Alp CMi	0.40000	6500.0	123	34341	No
40	GOM_TRA_1PNPDE20080924_050159_000000432072_00219_34341_5486.N1	24-SEP-2008 05:01:59	Dark	43.000	132	15Rho Pup	2.8030	6900.0	86	34341	No
41	GOM_TRA_1PNPDE20080924_050514_000000472072_00219_34341_5487.N1	24-SEP-2008 05:05:14	Dark	46.500	88	31Eta CMa	2.4480	20000.	93	34341	No
42	GOM_TRA_1PNPDE20080924_050640_000000512072_00219_34341_5488.N1	24-SEP-2008 05:06:40	Dark	51.000	23	21Eps CMa	1.5020	26000.	102	34341	No
43	GOM_TRA_1PNPDE20080924_051057_000000402072_00220_34342_5489.N1	24-SEP-2008 05:10:57	Dark	39.500	161	Tau Pup	2.9310	4500.0	79	34342	No
44	GOM_TRA_1PNPDE20080924_052339_000000432072_00220_34342_5490.N1	24-SEP-2008 05:23:39	Dark	42.500	9	Alp Eri	0.45300	24000.	85	34342	No
45	GOM_TRA_1PNPDE20080924_052910_000000432072_00220_34342_5491.N1	24-SEP-2008 05:29:10	Straylight	42.500	84	Alp Phe	2.3970	4500.0	85	34342	No
46	GOM_TRA_1PNPDE20080924_053622_000000502072_00220_34342_5492.N1	24-SEP-2008 05:36:22	Twilight_and_stray	50.000	52	16Bet Cet	2.0370	4500.0	100	34342	No
47	GOM_TRA_1PNPDE20080924_054644_000000382072_00220_34342_5493.N1	24-SEP-2008 05:46:44	Bright	37.500	90	54Alp Peg	2.4870	11000.	75	34342	No
48	GOM_TRA_1PNPDE20080924_055028_000000382072_00220_34342_5494.N1	24-SEP-2008 05:50:28	Bright	37.500	93	53Bet Peg	2.5200	3100.0	75	34342	No
49	GOM_TRA_1PNPDE20080924_060016_000000392072_00220_34342_5495.N1	24-SEP-2008 06:00:16	Bright	39.000	74	11Bet Cas	2.2680	6600.0	78	34342	No
50	GOM_TRA_1PNPDE20080924_060149_000000402072_00220_34342_5496.N1	24-SEP-2008 06:01:49	Bright	40.000	76	27Gam Cas	2.3000	30000.	80	34342	No

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



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

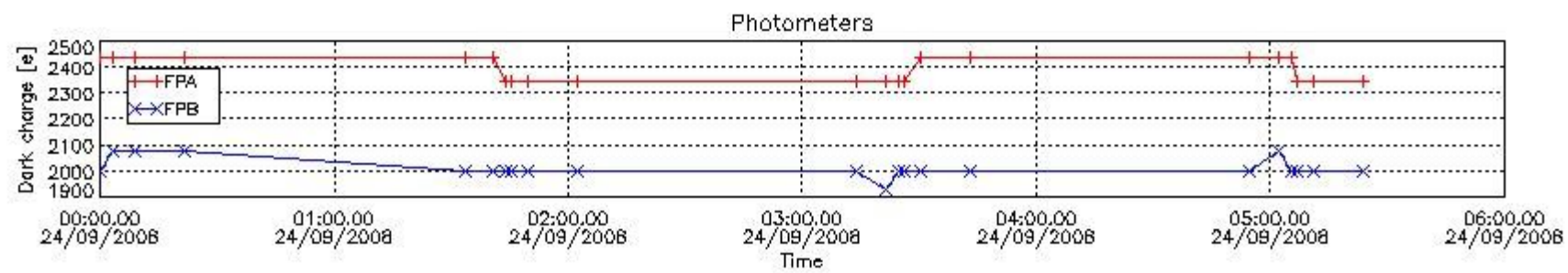
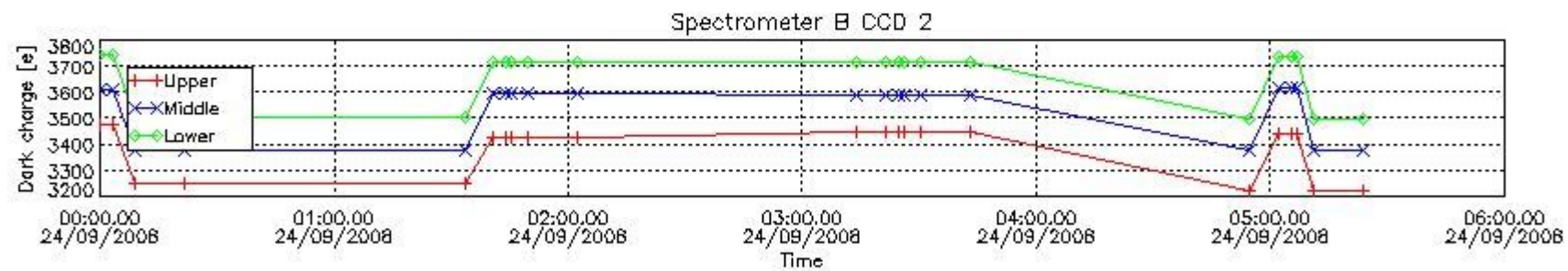
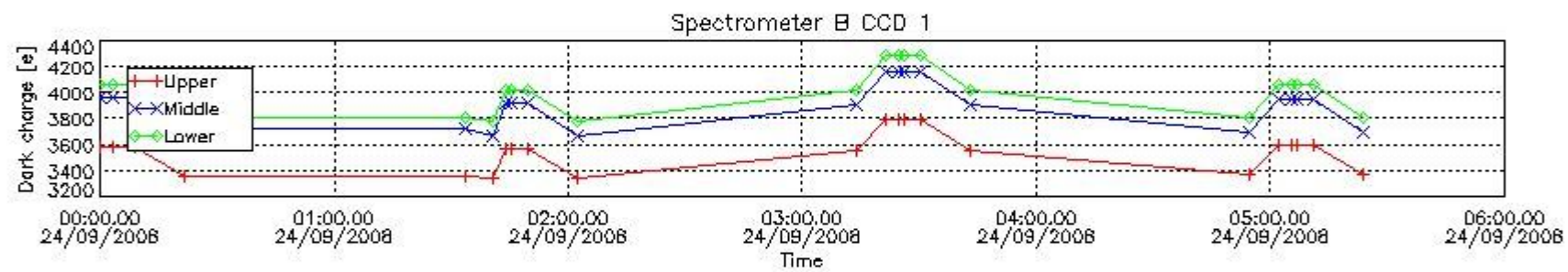
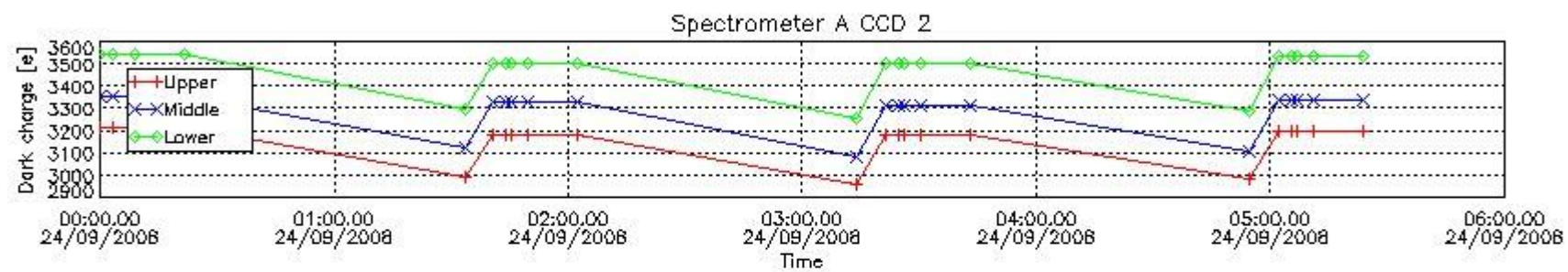
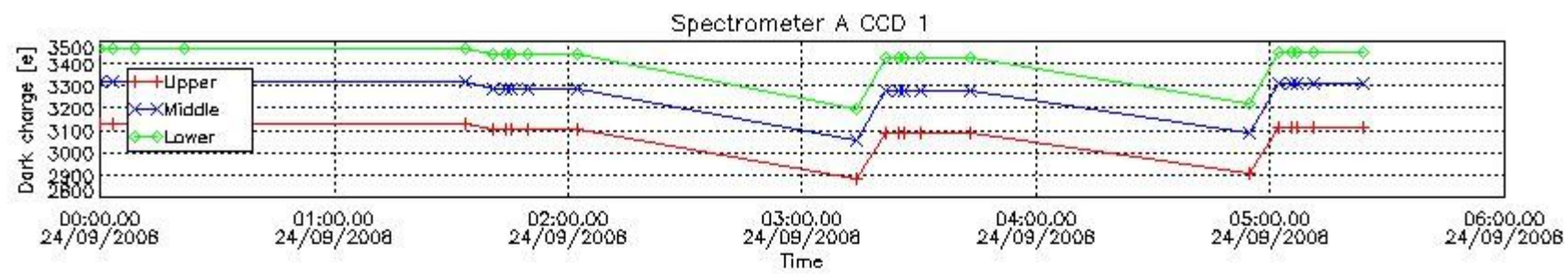
The Dark Charge (DC) is a temperature-dependant signal added to the useful measurements and it is therefore subtracted from them during the processing. There are two phenomena that produce a continuous increase of the DC: the "hot pixels" (a pixel is "hot" when its DC exceeds by a significant amount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





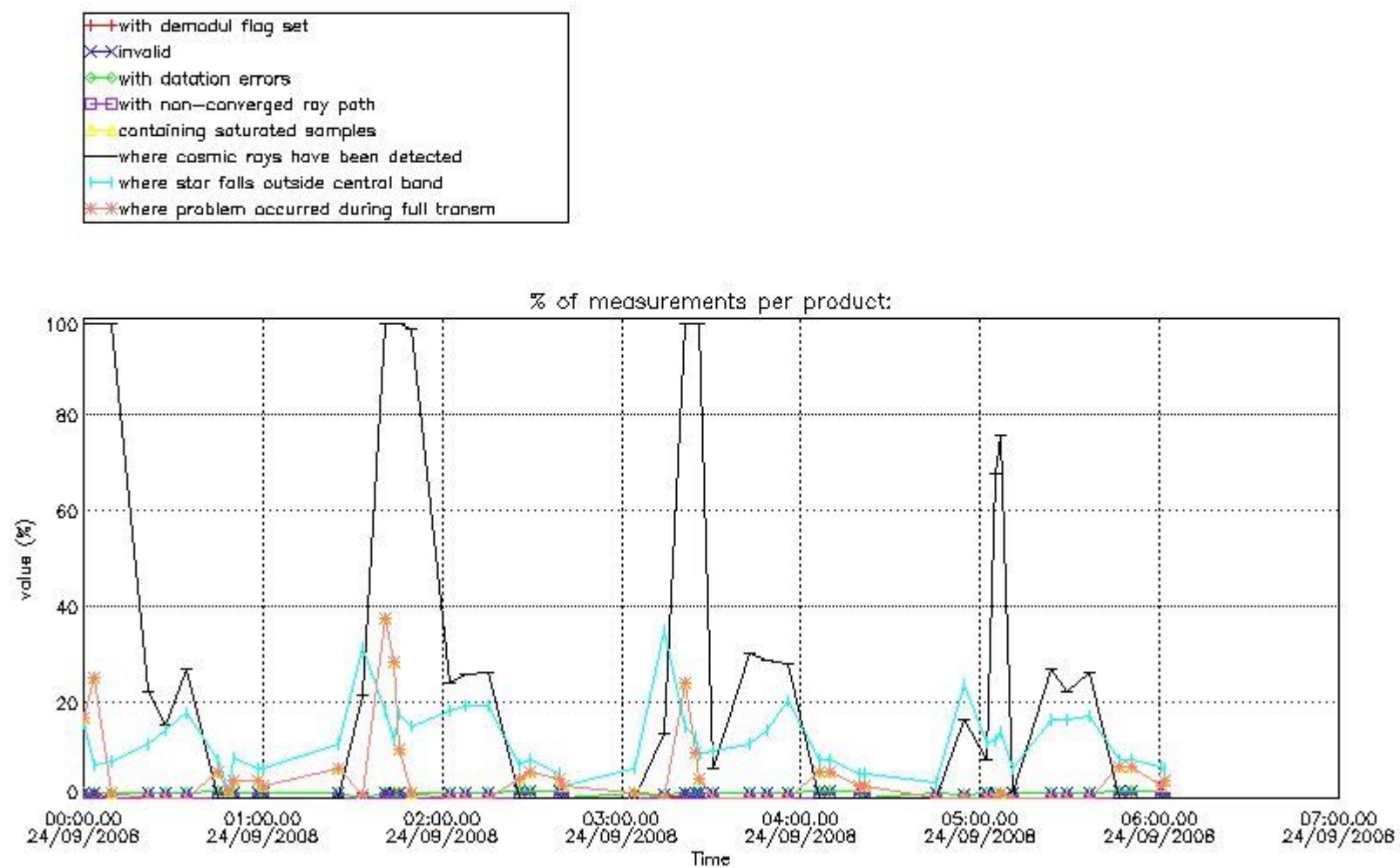
## 5. Demodulation flag and quality information monitoring

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:

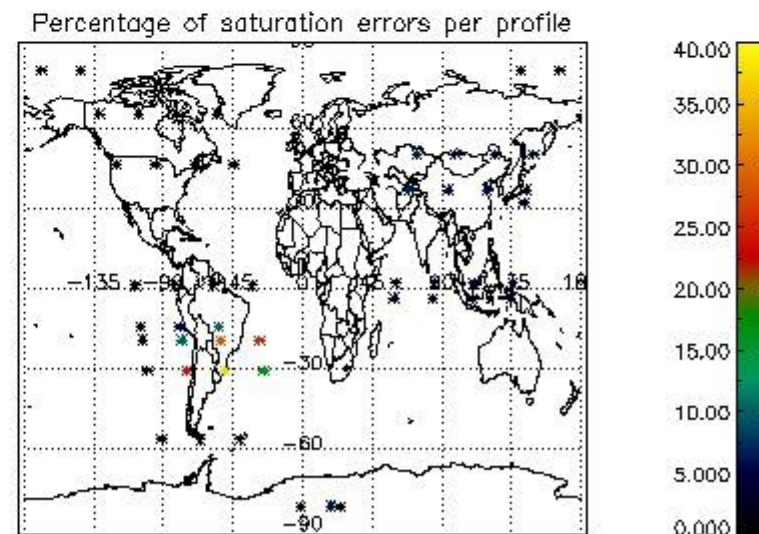
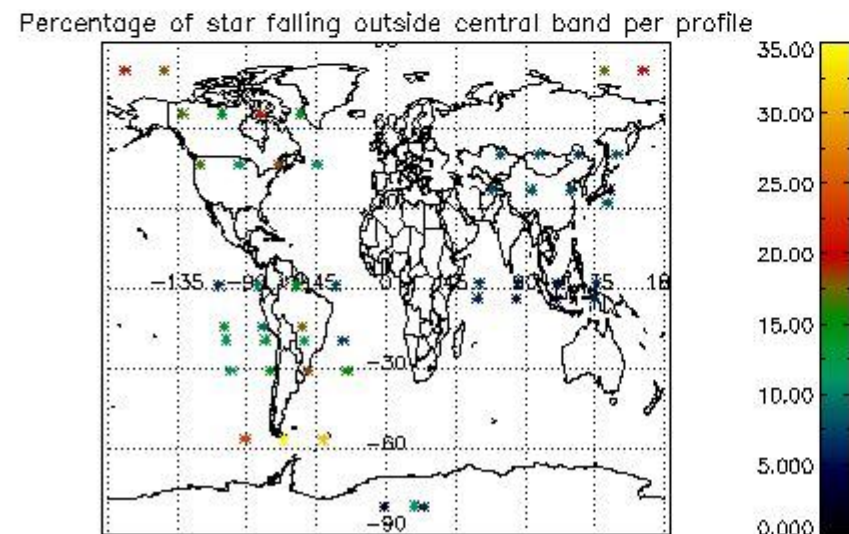
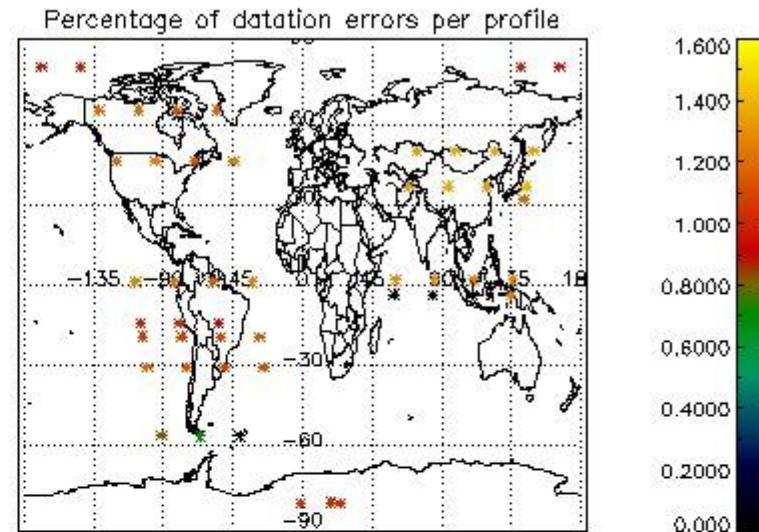
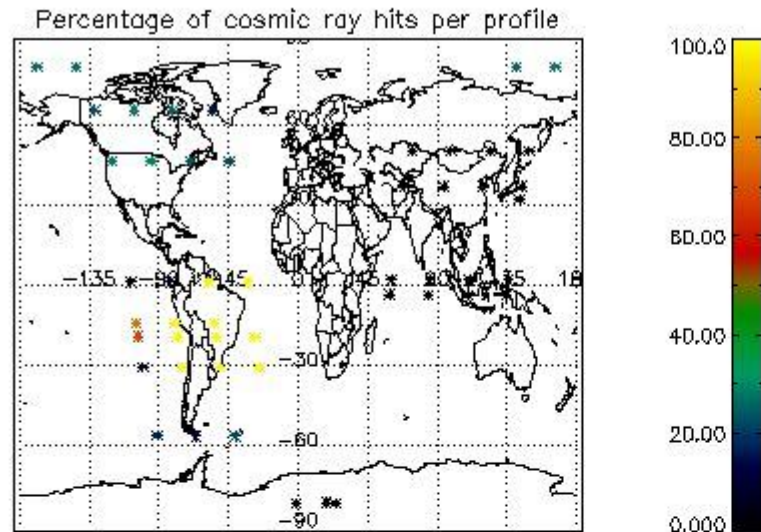
At least one measurement with demodulation flag set:	42.0000 %
Reference spectrum computed from DB:	0.00000 %
Reference spectrum with small number of measurements:	0.00000 %
SATU data not used:	0.00000 %

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



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





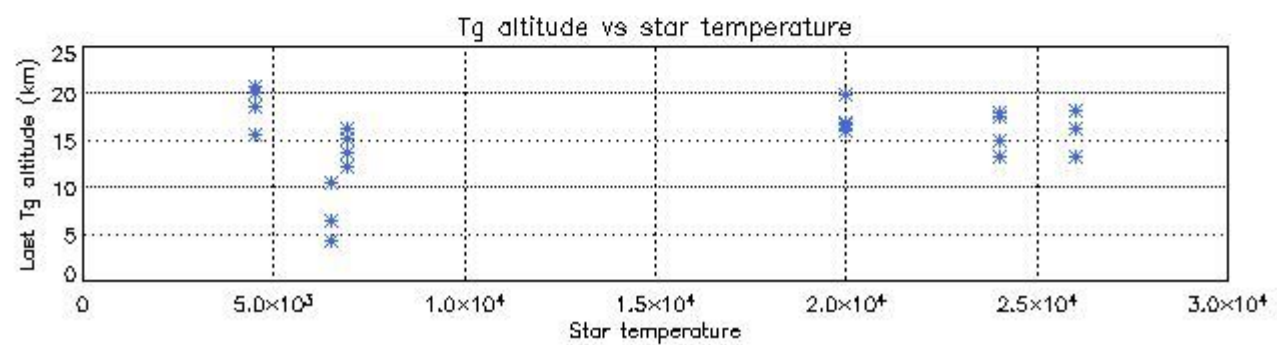
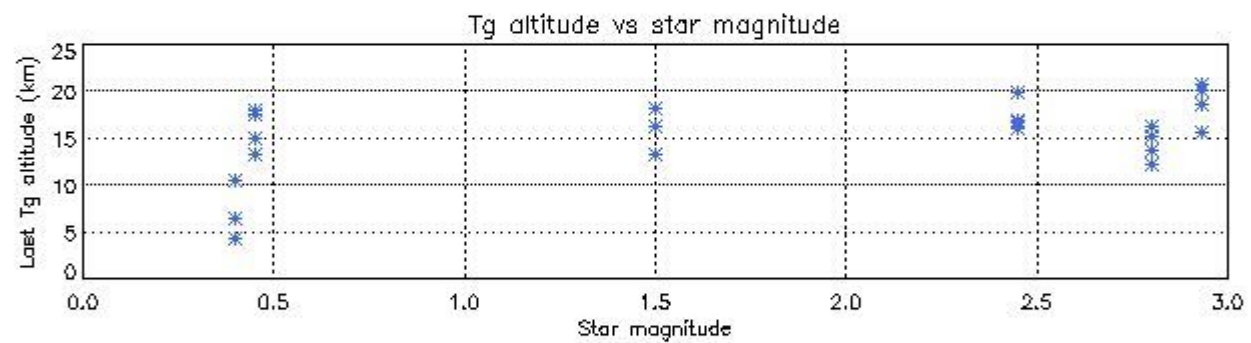
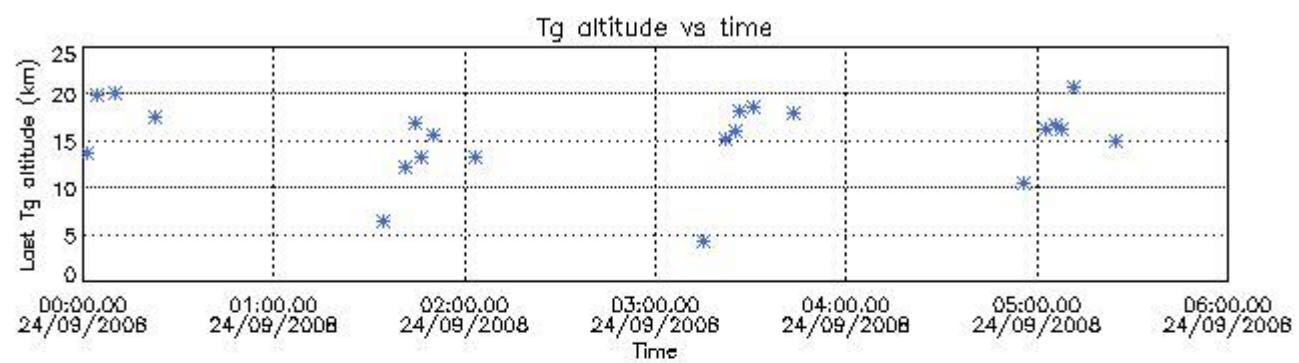
## 6. Statistics and plot of tangent altitude of the last measurement (DARK & BRIGHT products without errors)

### 6.1 Statistics on tangent altitude lost:

Statistics	DARK	BRIGHT	TWILIGHT
Mean:	15.214	21.047	NaN
St. deviation:	4.1300	1.8909	NaN
Maximum:	20.797	25.033	NaN
Minimum:	4.3154	17.123	NaN
Number of data:	22.000	20.000	NaN

### 6.2 Plot for DARK limb products

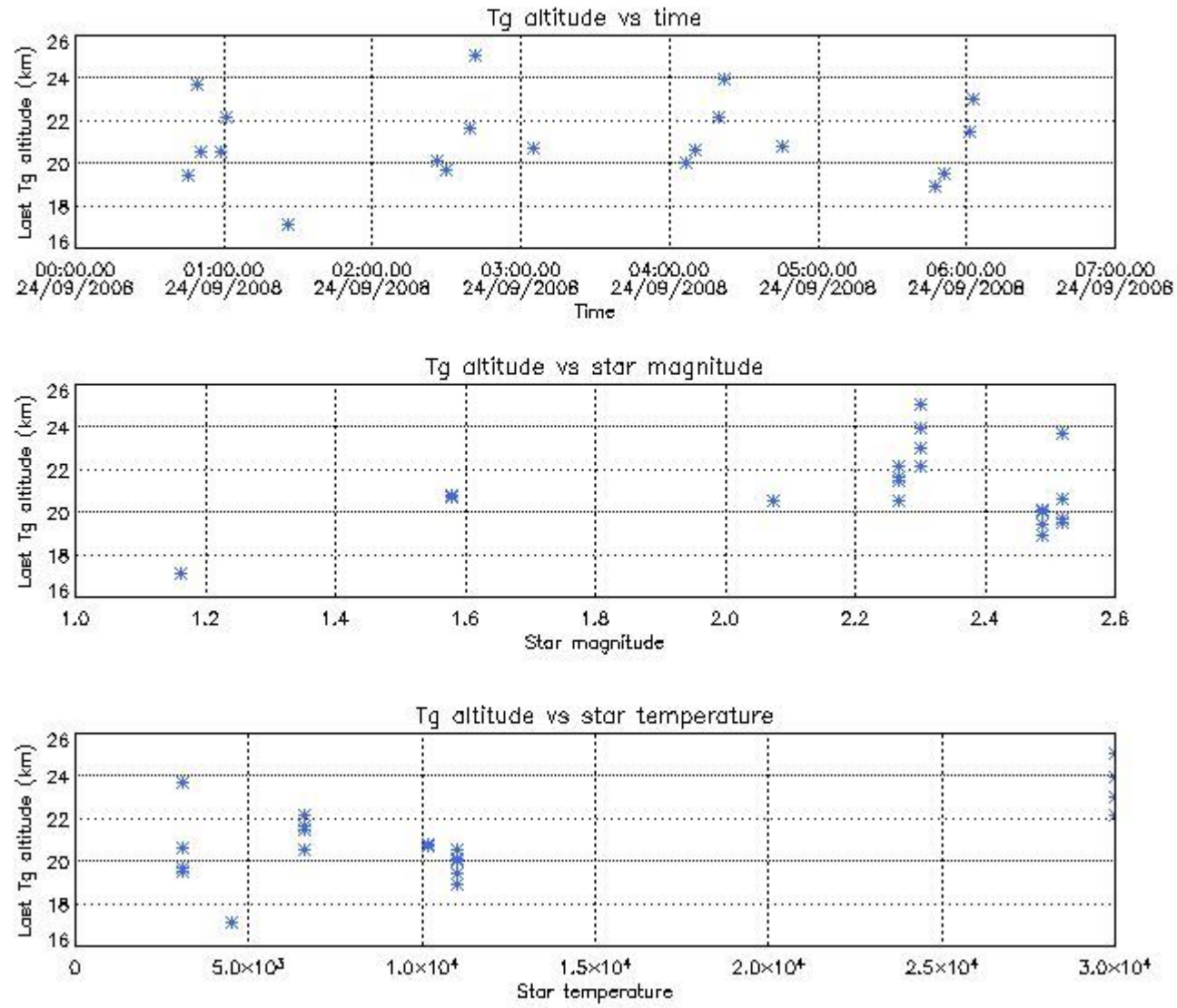
Tangent altitude at which the star is lost



6.3 Plot for BRIGHT limb products



## Tangent altitude at which the star is lost

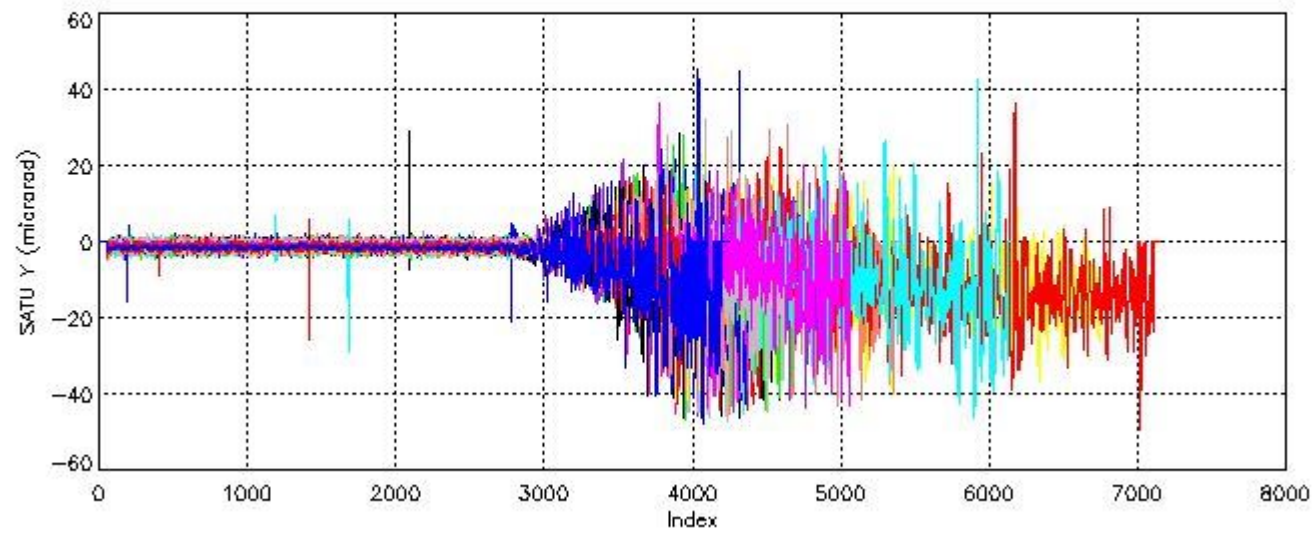
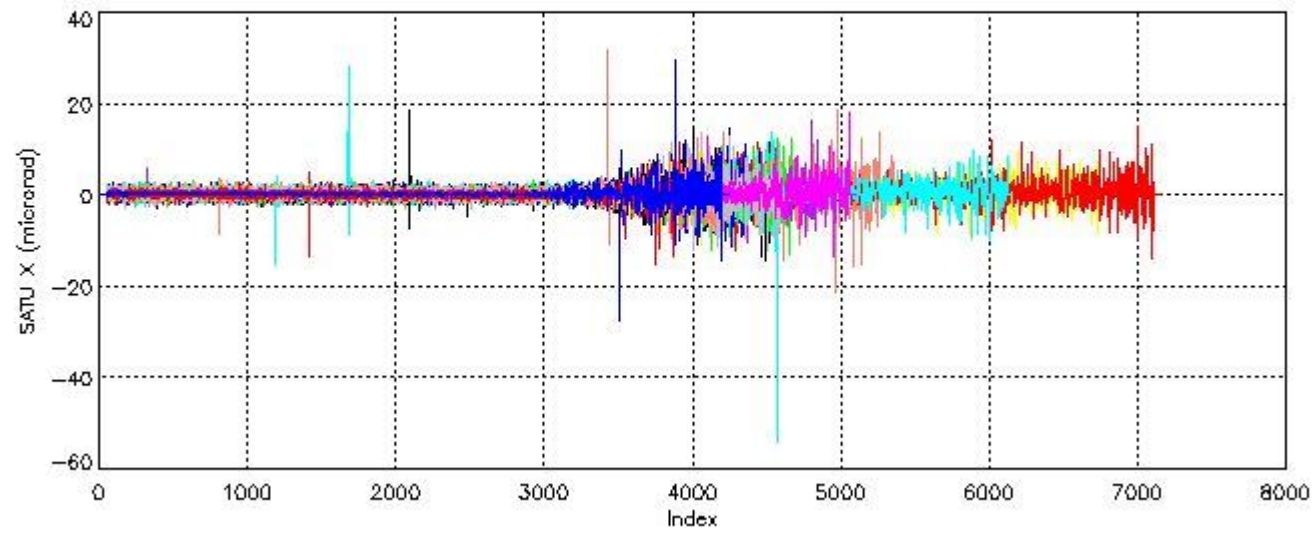


## 7. Star Acquisition and Tracking Unit (SATU)

The Star Acquisition and Tracking Unit (SATU) analyses the position of the tracked star beam collected by the GOMOS telescope and deflected by the optical beam dispatcher. The main function of the SATU is to detect a star, provide its image position to the science data electronics and to help the pointing function to keep the star image at a fixed position. In tracking mode the SATU data is recorded with a frequency of 100 Hz.

### 7.1 SATU 'X' and 'Y' axis plots (dark limb)

SATU CCD 'X' and 'Y' axis plots are provided in order to detect any abnormal behaviour of the tracking system. For every occultation (color) the plot should remain stable (with some noise) until we are deep in the atmosphere where big fluctuations are registered due to the refractive effects.



## 7.2 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 (in microradians) 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.

### 7.2.1 SATU NEA Statistics (table)

Statistics	SATU X (D)	SATU Y (D)	SATU X (B)	SATU Y (B)
Mean:	0.22050	-1.2591	0.22049	-1.2369
St. deviation:	0.51525	0.72152	0.68954	0.81064
Maximum:	5.7000	4.3000	4.6000	3.1000
Minimum:	-8.8000	-15.700	-3.5000	-5.8000

Number of data:	22450.	22450.	18450.	18450.
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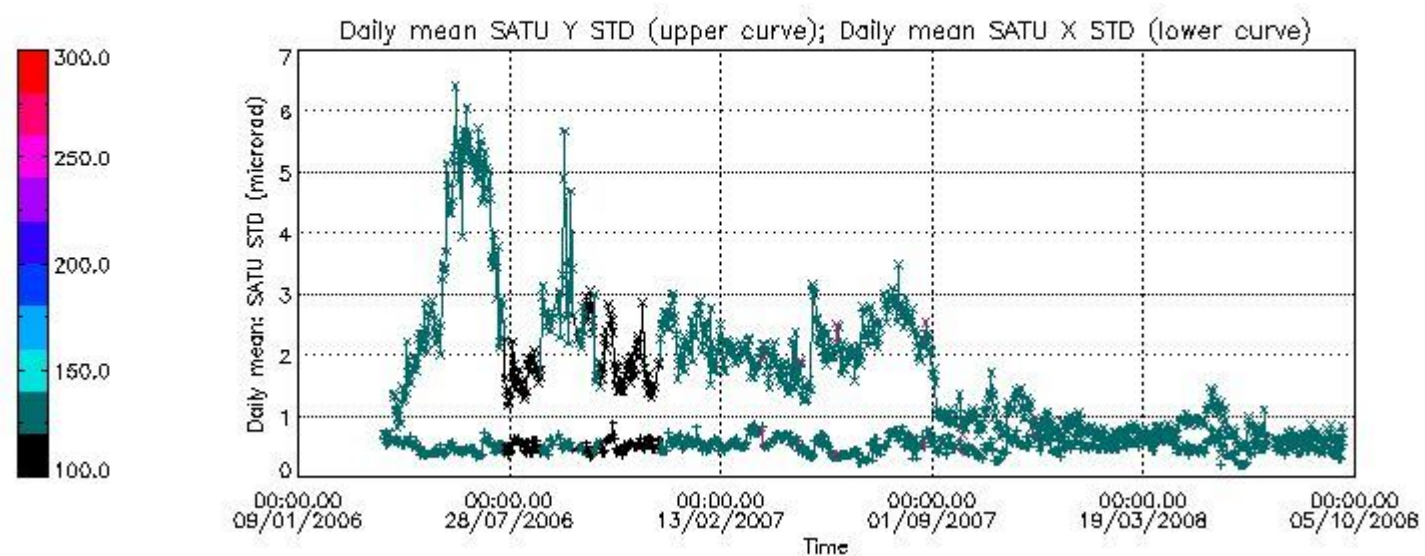
### 7.2.2 Trend of daily SATU NEA St. deviation since 1st April 2006 (dark limb)

The long term trend of the SATU 'X' and 'Y' standard deviations should be constant during the whole mission.

The colorbar represents the start tangent altitude (km) of the occultations.

Upper curve: STD of SATU Y axis

Lower curve: STD of SATU X axis

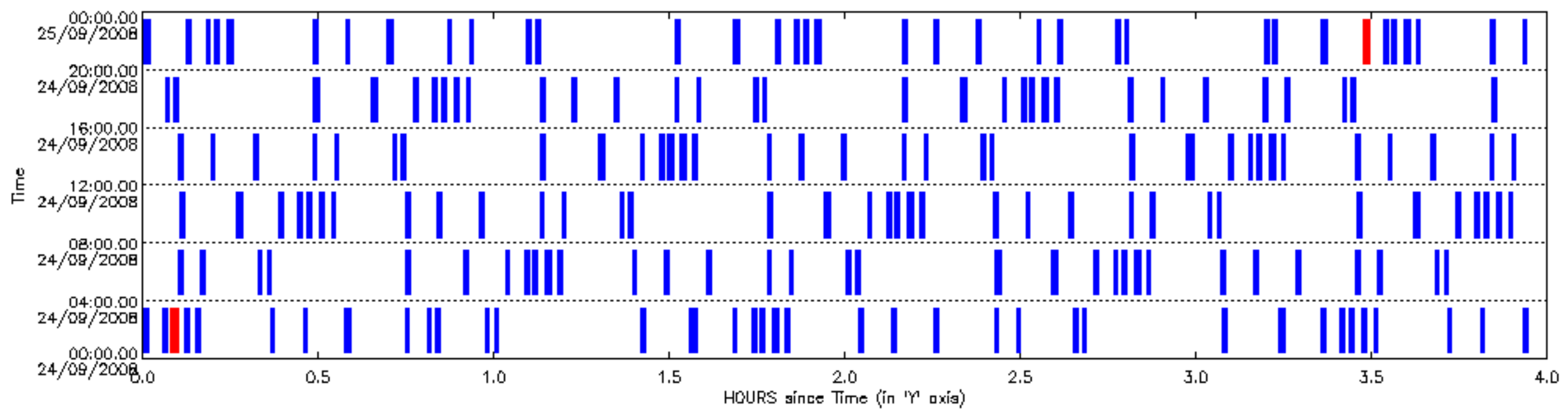


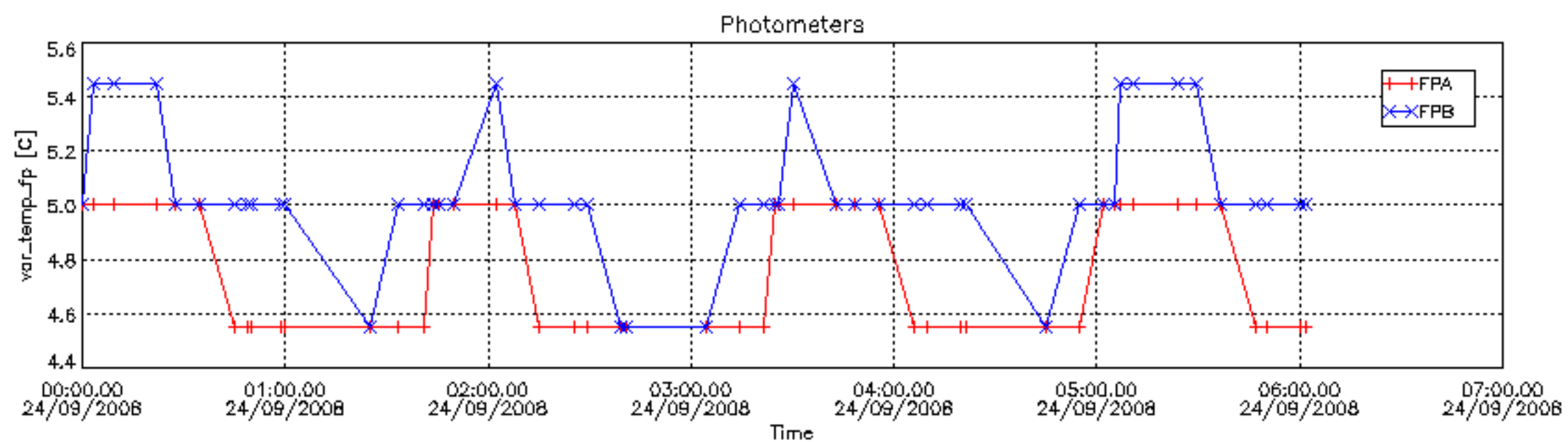
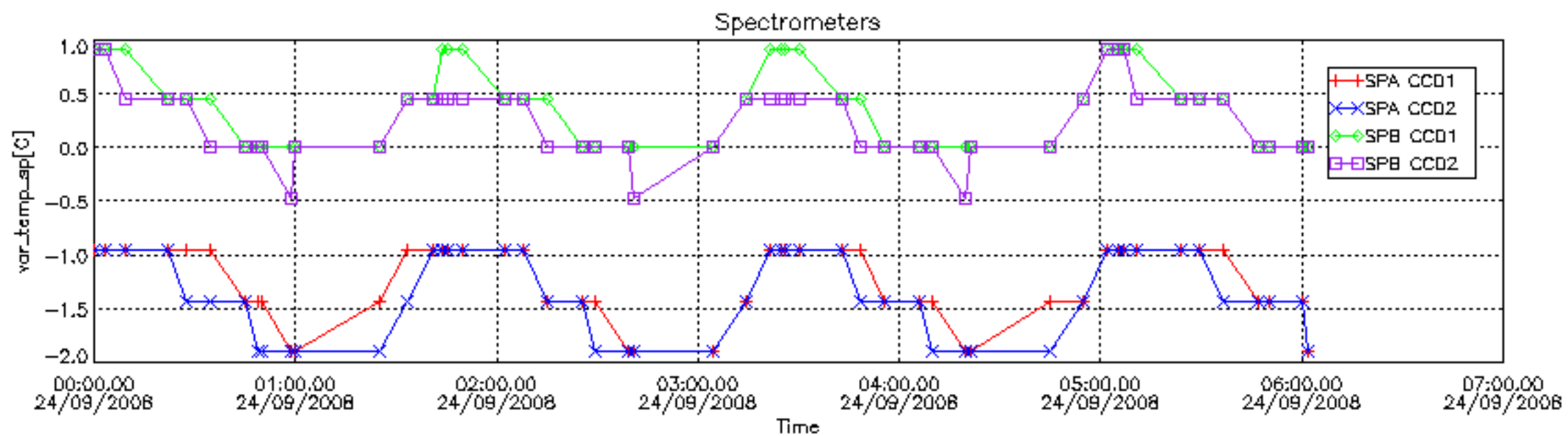
### 8. Auxiliary Data Files used for the production reported in section 2.4

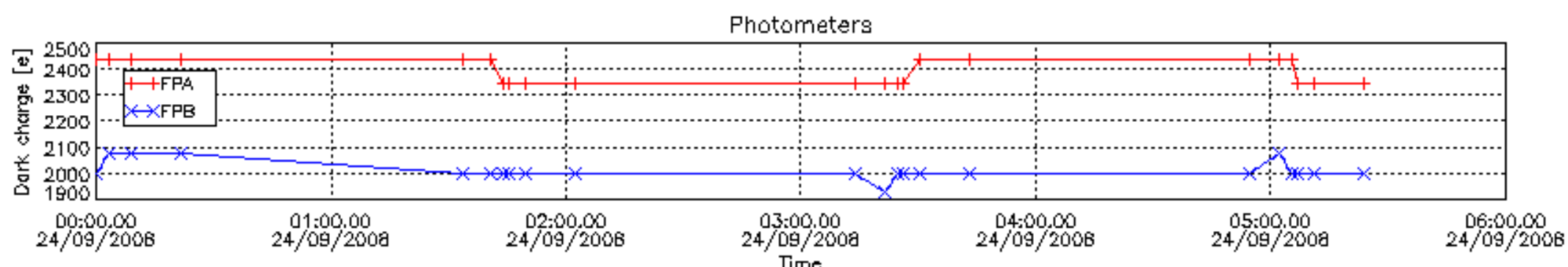
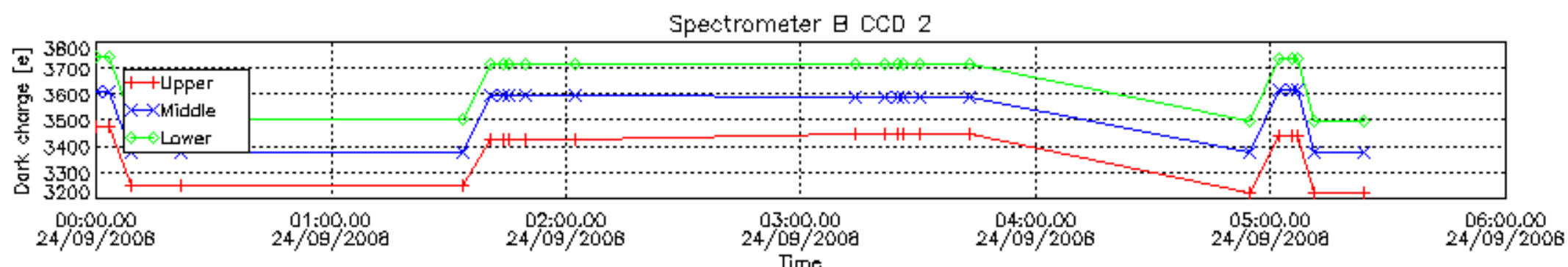
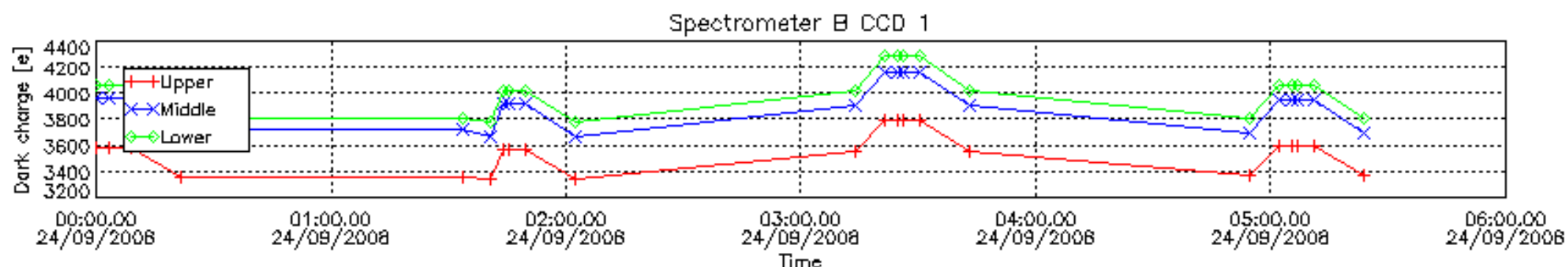
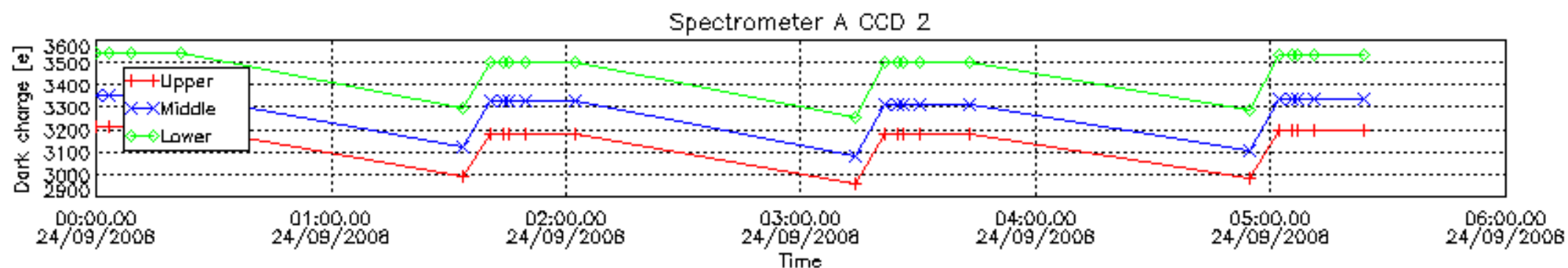
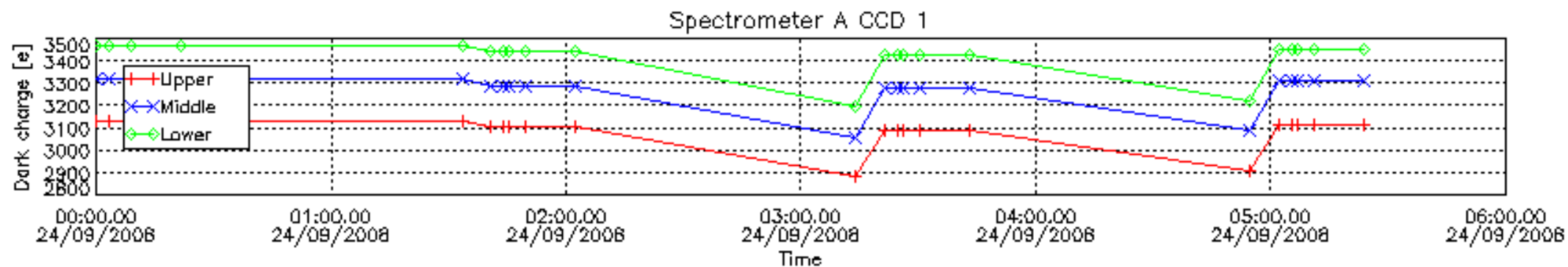
The number reported in the third column indicates since which file (see list in section 2.4) the corresponding auxiliary file has been used. The fourth column is the date of those product files.

Type	Auxiliary Filename	Used since product	Used since product date
INST_PHYS_CHARACTERISTICS	GOM_INS_AXNIEC20050627_150713_20030716_120000_20100101_000000	1	24-SEP-2008 00:00:09
CALIBRATION_DATABASE	GOM_CAL_AXVIEC20080922_092941_20080919_000000_20100101_000000	1	24-SEP-2008 00:00:09
LEVEL-1B_PROC_CONFIG	GOM_PR1_AXNIEC20050627_151042_20020301_000000_20100101_000000	1	24-SEP-2008 00:00:09
STAR_CATALOGUE	GOM_CAT_AXVIEC20020121_161009_20020101_000000_20200101_000000	1	24-SEP-2008 00:00:09
STELLAR_SPECTRA_DATABANK	GOM_STS_AXNIEC20040308_103538_20020101_160000_20100101_000000	1	24-SEP-2008 00:00:09
ECMWF_FILE	AUX_ECF_AXNECM20080923_092112_20080923_210000_20080924_090000	1	24-SEP-2008 00:00:09
ECMWF_FILE	AUX_ECF_AXNECM20080923_190111_20080924_030000_20080924_150000	25	24-SEP-2008 03:04:24
OPTIONAL_ECMWF_FILE	MISSING	1	24-SEP-2008 00:00:09
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20080923_220944_000060572072_00215_34337_6419.N1	1	24-SEP-2008 00:00:09
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20080923_235041_000057382072_00216_34338_6420.N1	14	24-SEP-2008 01:40:46
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20080924_013138_000044632072_00217_34339_6421.N1	25	24-SEP-2008 03:04:24
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20080924_025120_000054192072_00218_34340_6422.N1	38	24-SEP-2008 04:45:00

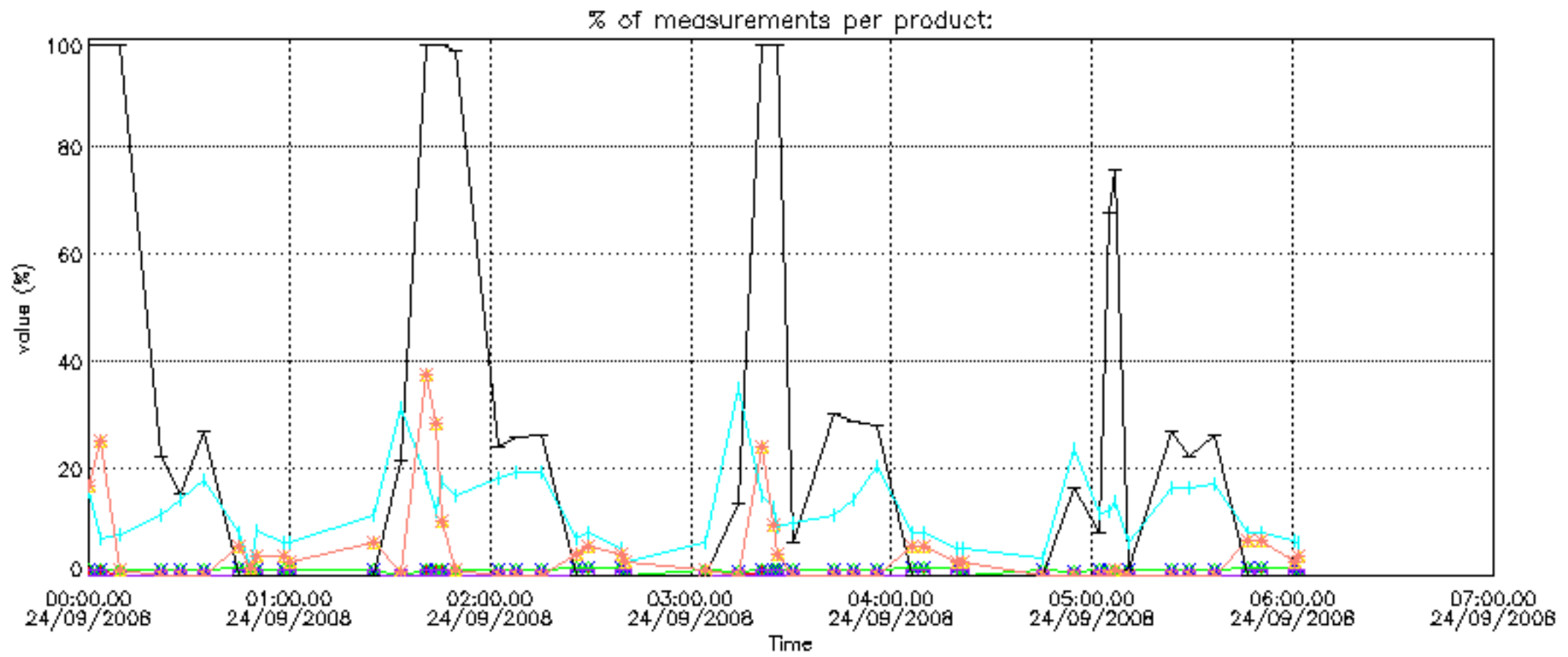




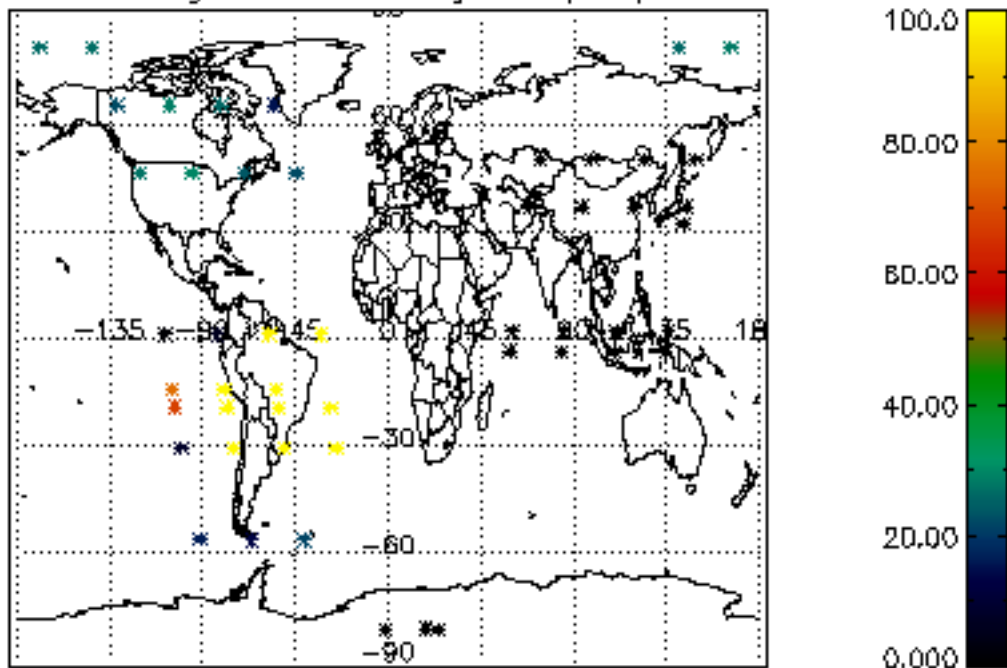




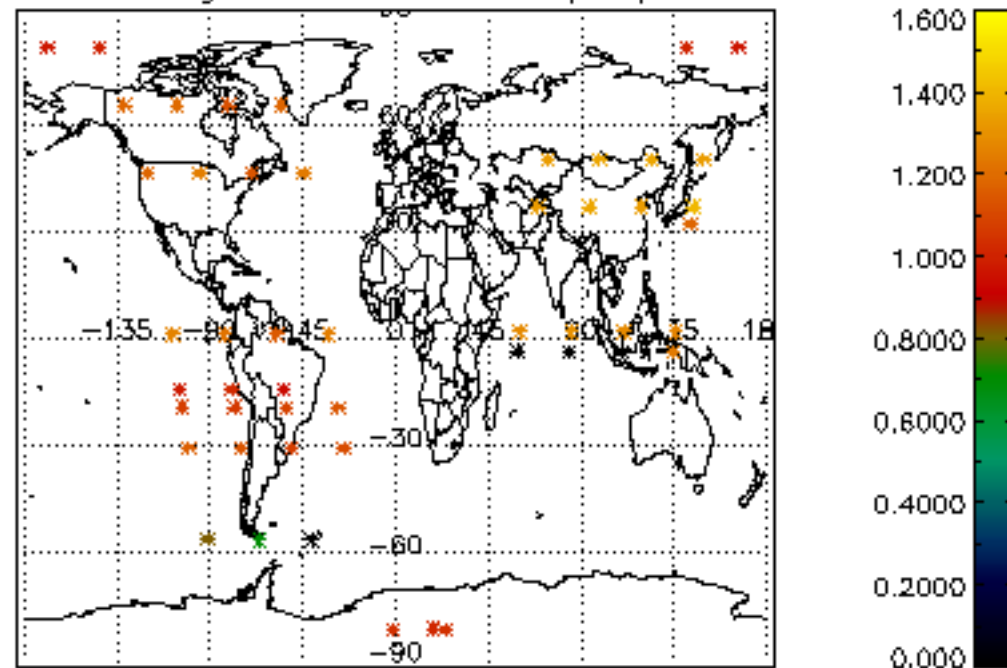




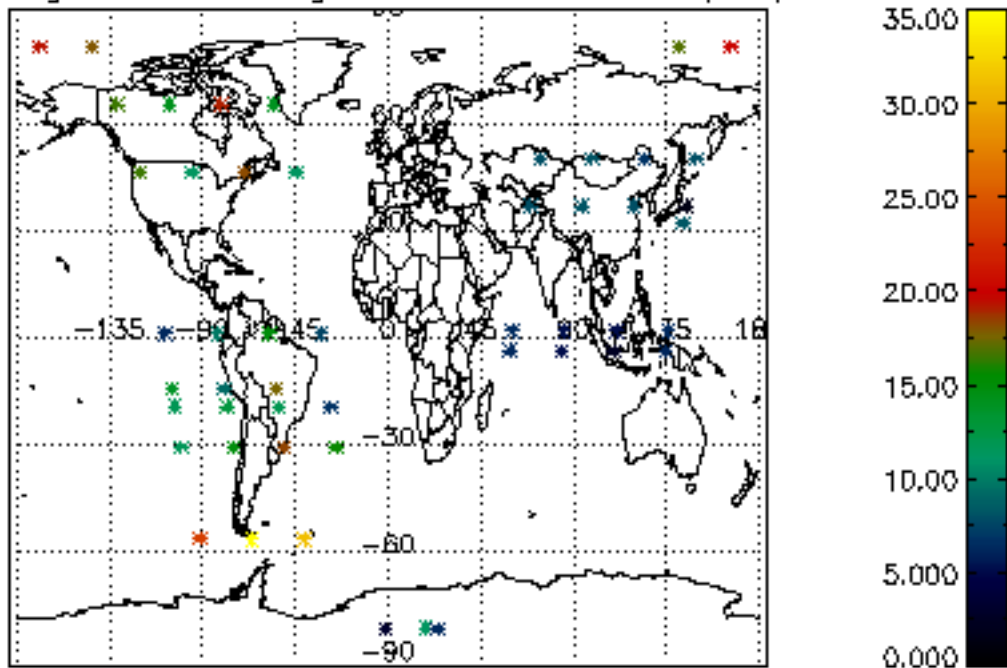
Percentage of cosmic ray hits per profile



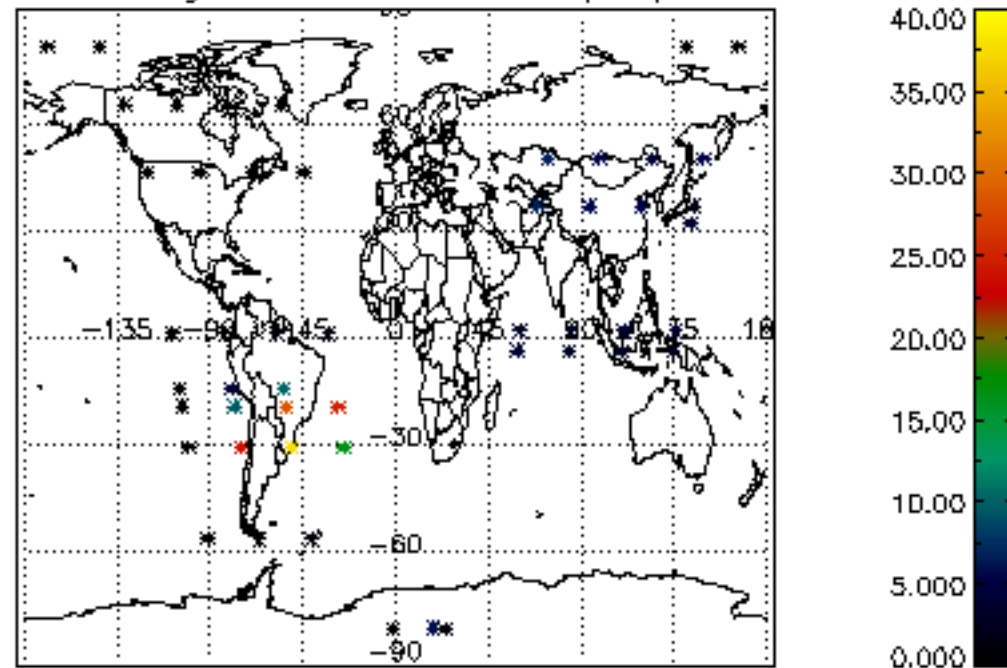
Percentage of datation errors per profile



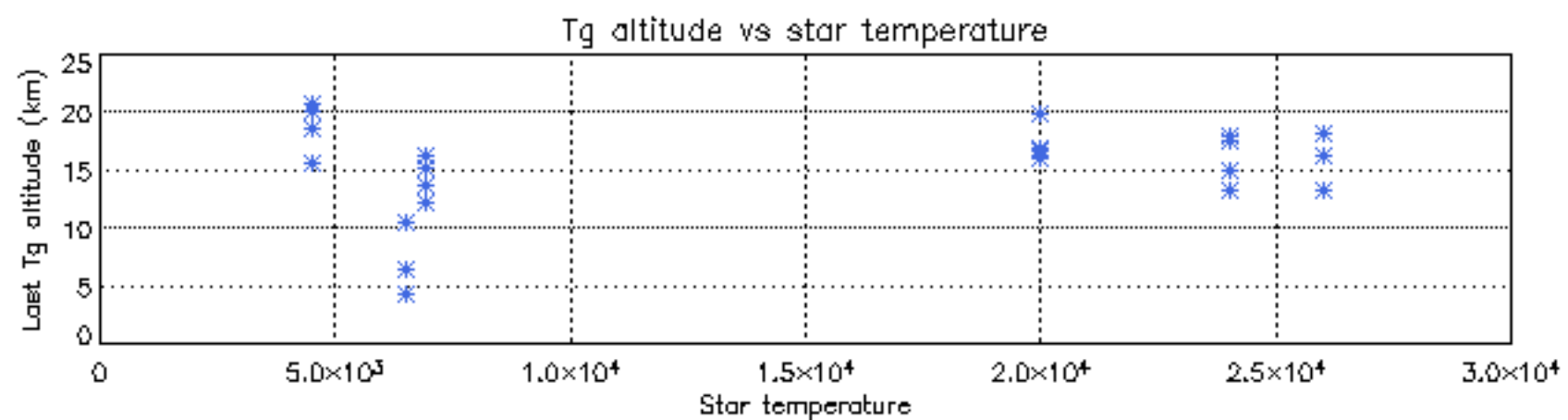
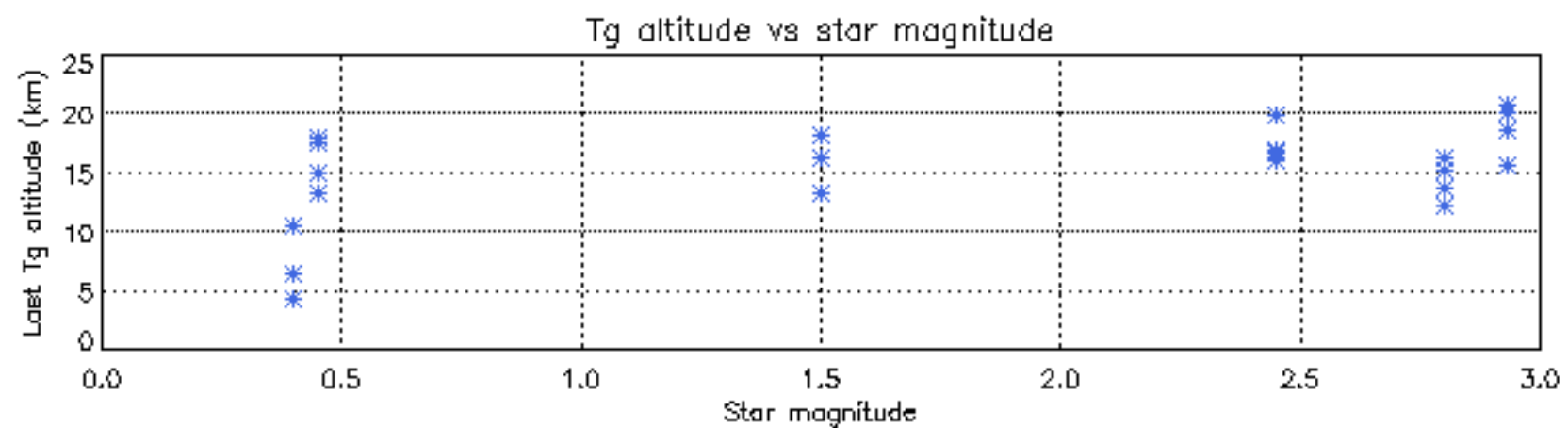
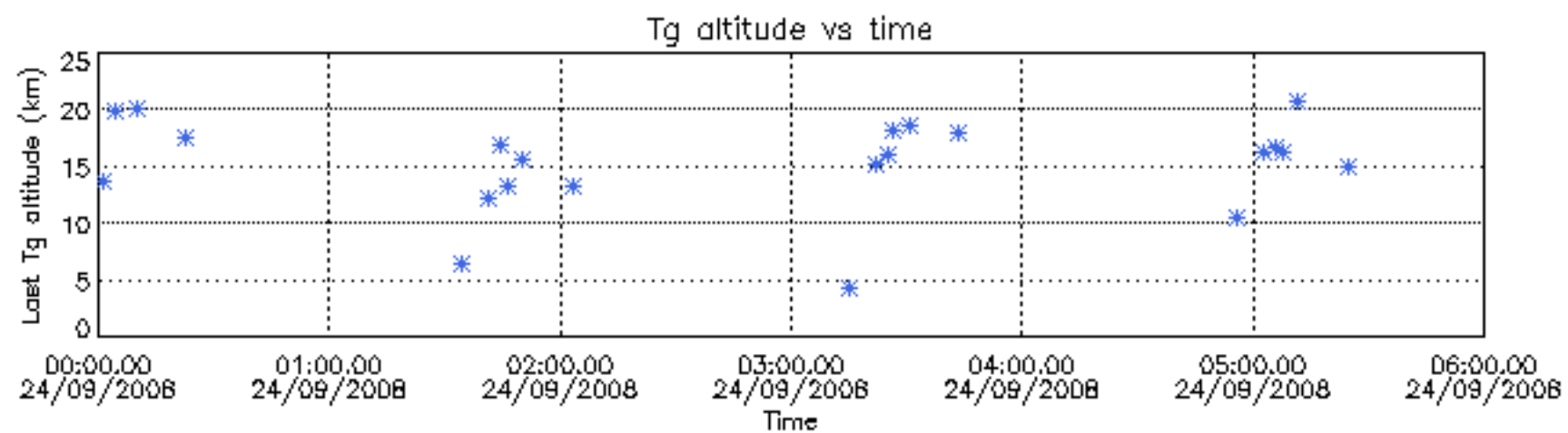
Percentage of star falling outside central band per profile



Percentage of saturation errors per profile

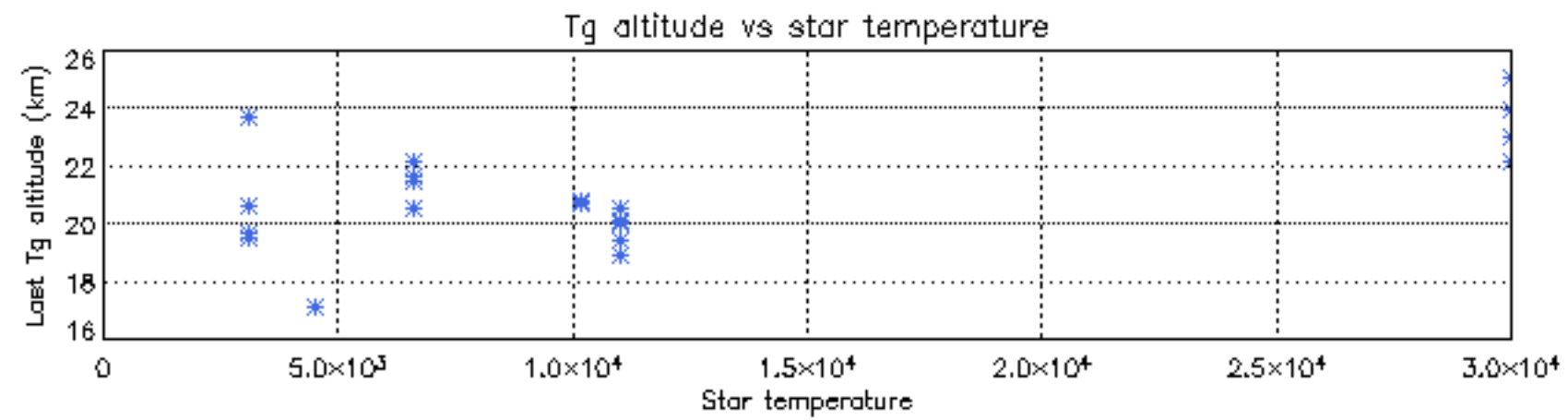
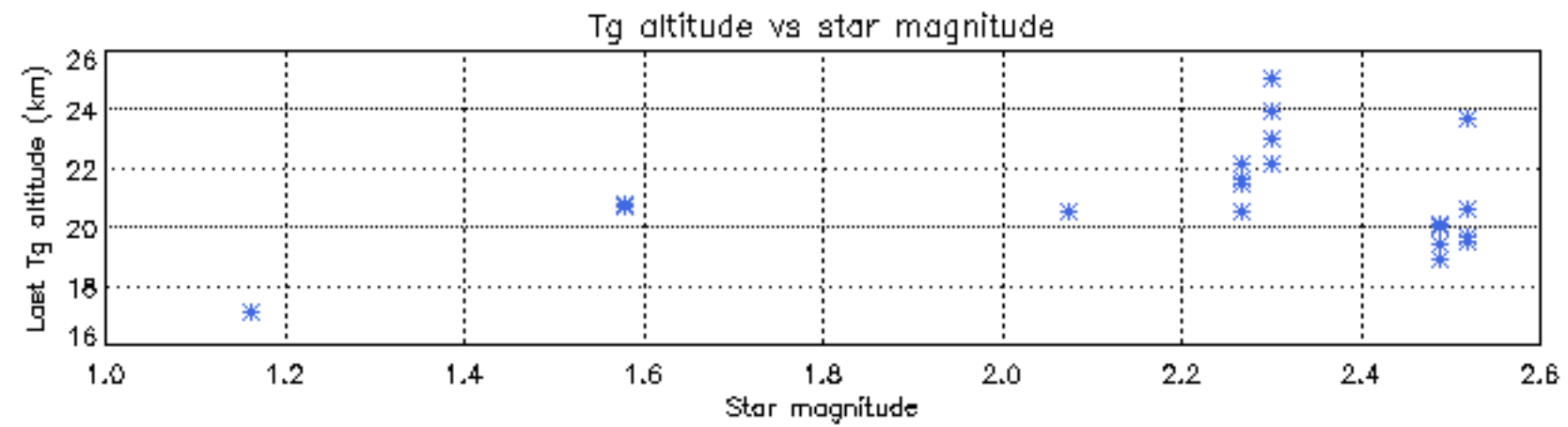
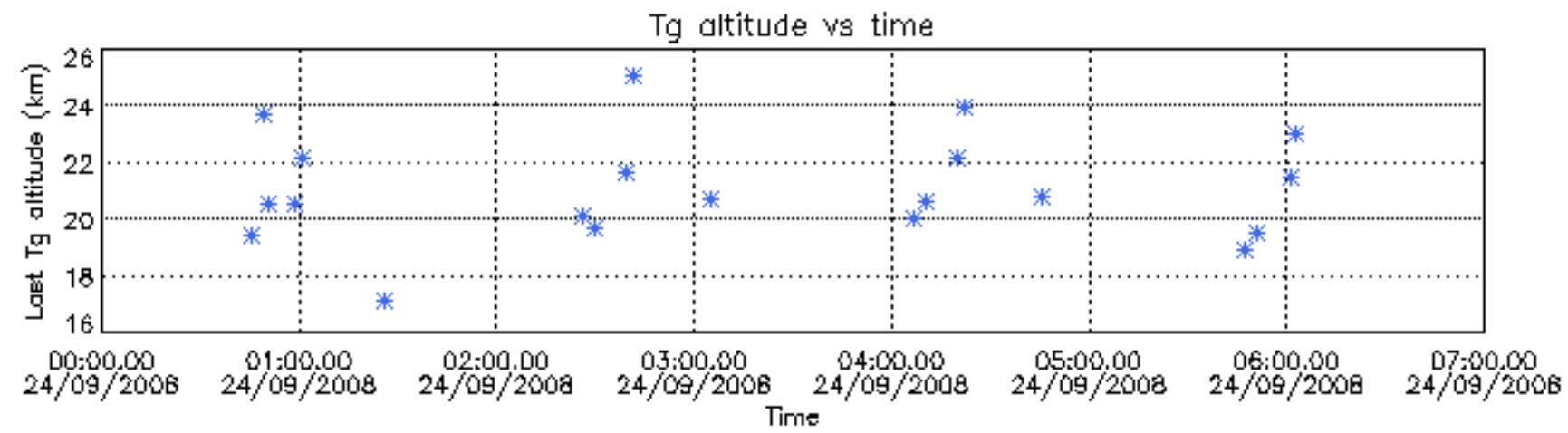


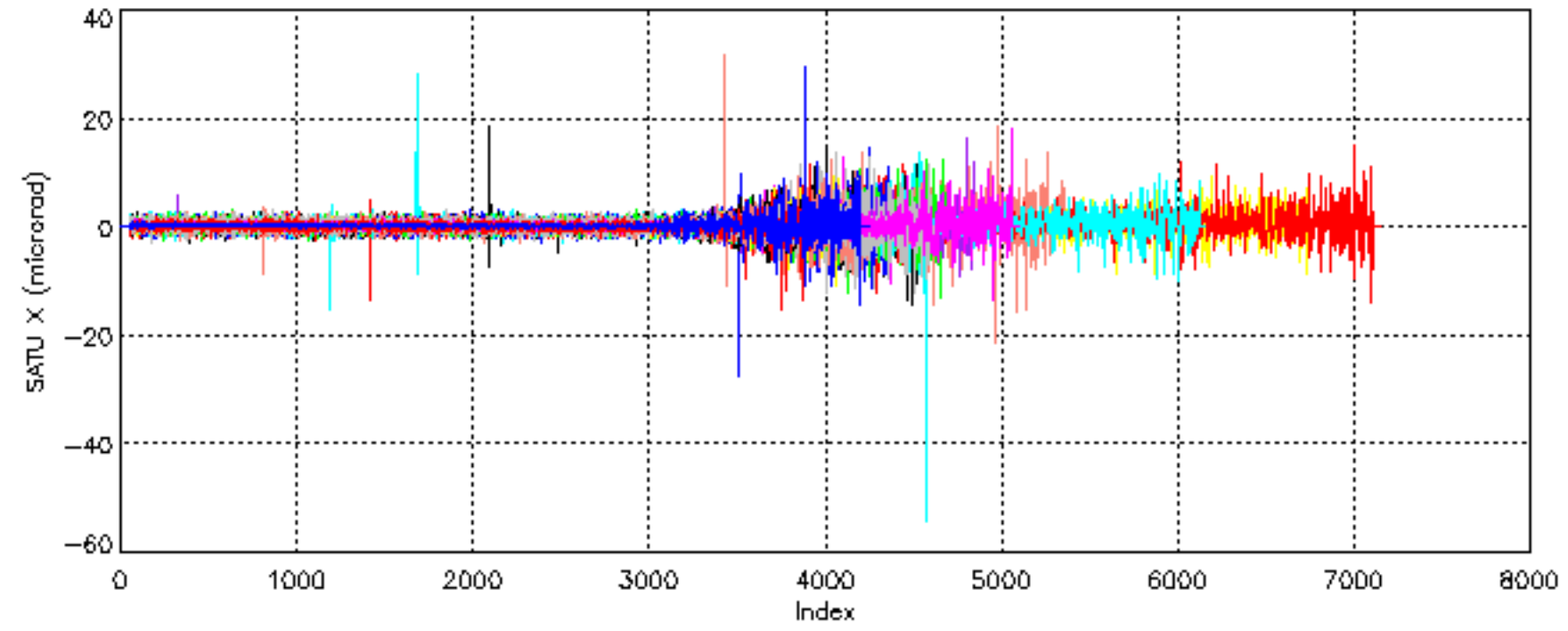
Tangent altitude at which the star is lost

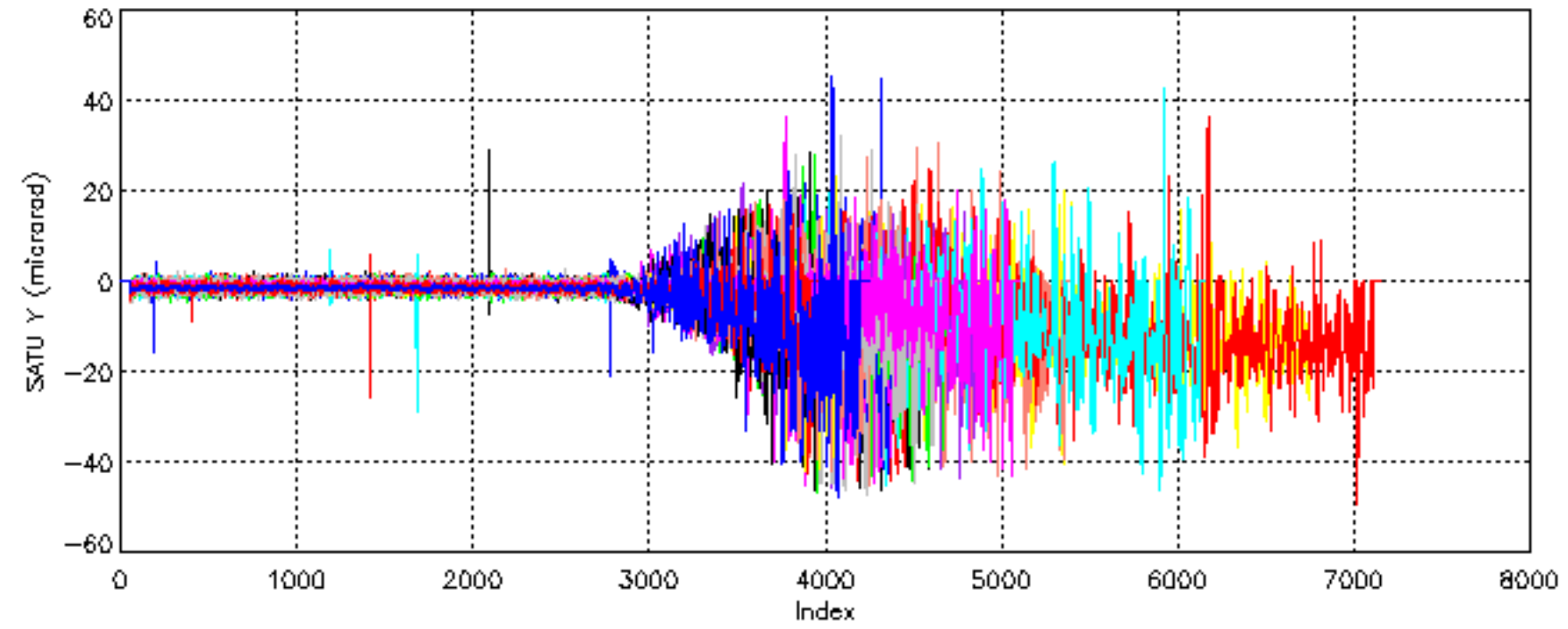




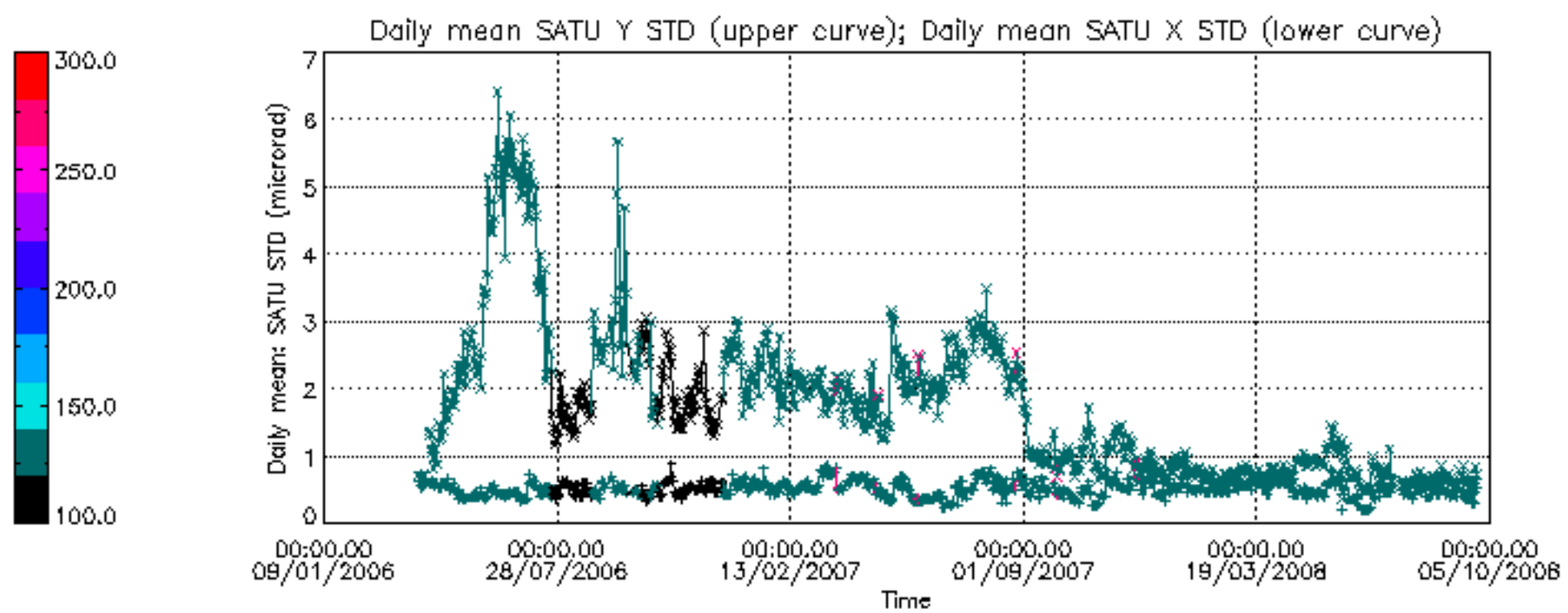
Tangent altitude at which the star is lost











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1; -659.4; 01-SEP-2008 00:20:49; Dark ; 50.0; 1; 9Alp CMA ; -1.44; 11000;occ; 100; 0;34009  
 2; -494.2; 01-SEP-2008 00:23:34; Dark ; 41.5; 23; 21Eps CMA ; 1.50; 26000;occ; 83; 0;34009  
 3; -399.8; 01-SEP-2008 00:25:09; Dark ; 44.0; 117; Pi Pup ; 2.71; 3800;occ; 88; 0;34009  
 4; -276.4; 01-SEP-2008 00:27:12; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;34009  
 5; -89.7; 01-SEP-2008 00:30:19; Dark ; 49.0; 2; Alp Car ; -0.74; 7000;occ; 98; 0;34009  
 6; 529.6; 01-SEP-2008 00:40:38; Dark ; 38.0; 143; Alp Hyi ; 2.86; 7200;occ; 76; 0;34010  
 7; 606.7; 01-SEP-2008 00:41:55; Dark ; 45.0; 9; Alp Eri ; 0.45; 24000;occ; 90; 0;34010  
 8; 964.3; 01-SEP-2008 00:47:53; Dark ; 45.0; 84; Alp Phe ; 2.40; 4500;occ; 90; 0;34010  
 9; 1085.7; 01-SEP-2008 00:49:54; Dark ; 39.5; 31; Alp Gru ; 1.73; 15200;occ; 79; 0;34010  
 10; 1330.7; 01-SEP-2008 00:53:59; Dark ; 47.5; 18; 24Alp PsA ; 1.17; 9700;occ; 95; 0;34010  
 11; 1620.0; 01-SEP-2008 00:58:49; Dark ; 39.5; 142; 49Del Cap ; 2.85; 8900;occ; 79; 0;34010  
 12; 1807.9; 01-SEP-2008 01:01:56; Bright; 52.5; 154; 22Bet Aqr ; 2.90; 5700;occ; 105; 0;34010  
 13; 1895.6; 01-SEP-2008 01:03:24; Bright; 39.0; 162; 34Alp Aqr ; 2.94; 5350;occ; 78; 0;34010  
 14; 2075.4; 01-SEP-2008 01:06:24; Bright; 38.0; 61; 8Eps Peg ; 2.10; 3900;occ; 76; 0;34010  
 15; 2488.0; 01-SEP-2008 01:13:17; Bright; 35.0; 92; 53Eps Cyg ; 2.50; 4500;occ; 70; 0;34010  
 16; 2600.9; 01-SEP-2008 01:15:09; Bright; 36.0; 66; 37Gam Cyg ; 2.21; 5900;occ; 72; 0;34010  
 17; 2678.4; 01-SEP-2008 01:16:27; Bright; 34.0; 19; 50Alp Cyg ; 1.25; 10500;occ; 68; 0;34010  
 18; 2975.3; 01-SEP-2008 01:21:24; Bright; 33.5; 89; 5Alp Cep ; 2.45; 8000;occ; 67; 0;34010  
 19; 3434.5; 01-SEP-2008 01:29:03; Bright; 35.0; 49; 1Alp UMi ; 1.99; 6300;occ; 70; 0;34010  
 20; 4453.0; 01-SEP-2008 01:46:02; Bright; 37.0; 24; 66Alp Gem ; 1.58; 10200;occ; 74; 0;34010  
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1; -658.8; 01-SEP-2008 02:01:26; Dark ; 57.0; 1; 9Alp CMA ; -1.44; 11000;occ; 114; 0;34010  
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 3; -399.4; 01-SEP-2008 02:05:45; Dark ; 42.5; 117; Pi Pup ; 2.71; 3800;occ; 85; 0;34010  
 4; -276.1; 01-SEP-2008 02:07:48; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;34010  
 5; -89.2; 01-SEP-2008 02:10:55; Dark ; 43.5; 2; Alp Car ; -0.74; 7000;occ; 87; 0;34010  
 6; 530.3; 01-SEP-2008 02:21:15; Dark ; 39.0; 143; Alp Hyi ; 2.86; 7200;occ; 78; 0;34011  
 7; 607.6; 01-SEP-2008 02:22:32; Dark ; 44.5; 9; Alp Eri ; 0.45; 24000;occ; 89; 0;34011  
 8; 965.0; 01-SEP-2008 02:28:29; Dark ; 52.5; 84; Alp Phe ; 2.40; 4500;occ; 105; 0;34011  
 9; 1085.9; 01-SEP-2008 02:30:30; Dark ; 38.5; 31; Alp Gru ; 1.73; 15200;occ; 77; 0;34011  
 10; 1331.1; 01-SEP-2008 02:34:35; Dark ; 46.0; 18; 24Alp PsA ; 1.17; 9700;occ; 92; 0;34011  
 11; 1620.3; 01-SEP-2008 02:39:25; Dark ; 38.5; 142; 49Del Cap ; 2.85; 8900;occ; 77; 0;34011  
 12; 1808.2; 01-SEP-2008 02:42:33; Bright; 36.5; 154; 22Bet Aqr ; 2.90; 5700;occ; 73; 0;34011  
 13; 1895.4; 01-SEP-2008 02:44:00; Bright; 39.5; 162; 34Alp Aqr ; 2.94; 5350;occ; 79; 0;34011  
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 17; 2678.5; 01-SEP-2008 02:57:03; Bright; 37.0; 19; 50Alp Cyg ; 1.25; 10500;occ; 74; 0;34011  
 18; 2975.2; 01-SEP-2008 03:02:00; Bright; 34.0; 89; 5Alp Cep ; 2.45; 8000;occ; 68; 0;34011  
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 5; -399.0; 01-SEP-2008 03:46:21; Dark ; 45.0; 117; Pi Pup ; 2.71; 3800;occ; 90; 0;34011  
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 8; 531.0; 01-SEP-2008 04:01:51; Dark ; 39.5; 143; Alp Hyi ; 2.86; 7200;occ; 79; 0;34012  
 9; 608.2; 01-SEP-2008 04:03:09; Dark ; 44.5; 9; Alp Eri ; 0.45; 24000;occ; 89; 0;34012  
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 13; 1620.6; 01-SEP-2008 04:20:01; Dark ; 39.5; 142; 49Del Cap ; 2.85; 8900;occ; 79; 0;34012  
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 16; 2075.4; 01-SEP-2008 04:27:36; Bright; 38.0; 61; 8Eps Peg ; 2.10; 3900;occ; 76; 0;34012  
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5; -398.5; 01-SEP-2008 05:26:58; Dark ; 42.0; 117; Pi Pup ; 2.71; 3800;occ; 84; 0;34012
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8; 531.5; 01-SEP-2008 05:42:28; Dark ; 40.5; 143; Alp Hyi ; 2.86; 7200;occ; 81; 0;34013
9; 608.8; 01-SEP-2008 05:43:45; Dark ; 44.0; 9; Alp Eri ; 0.45; 24000;occ; 88; 0;34013
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 18; 2682.6; 04-SEP-2008 23:10:03; Bright; 36.0; 19; 50Alp Cyg ; 1.25; 10500;occ; 72; 0;34066  
 19; 2971.4; 04-SEP-2008 23:14:51; Bright; 37.5; 89; 5Alp Cep ; 2.45; 8000;occ; 75; 0;34066  
 20; 3433.8; 04-SEP-2008 23:22:34; Bright; 33.5; 49; 1Alp UMi ; 1.99; 6300;occ; 67; 0;34066  
 21; 4460.8; 04-SEP-2008 23:39:41; Bright; 38.5; 24; 66Alp Gem ; 1.58; 10200;occ; 77; 0;34066  
 22; 4935.2; 04-SEP-2008 23:47:35; Dark ; 44.5; 8; 10Alp CMi ; 0.40; 6500;occ; 89; 0;34066

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 4; -544.9; 04-SEP-2008 07:10:52; Dark ; 47.0; 47; 2Bet CMA ; 1.98; 28000;occ; 94; 0;34056  
 5; -468.3; 04-SEP-2008 07:12:09; Dark ; 43.0; 23; 21Eps CMA ; 1.50; 26000;occ; 86; 0;34056  
 6; -379.9; 04-SEP-2008 07:13:37; Dark ; 45.0; 117; Pi Pup ; 2.71; 3800;occ; 90; 0;34056  
 7; -258.6; 04-SEP-2008 07:15:38; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;34056  
 8; -138.8; 04-SEP-2008 07:17:38; Dark ; 40.5; 161; Tau Pup ; 2.93; 4500;occ; 81; 0;34056  
 9; -67.4; 04-SEP-2008 07:18:49; Dark ; 47.5; 2; Alp Car ; -0.74; 7000;occ; 95; 0;34056  
 10; 555.4; 04-SEP-2008 07:29:12; Dark ; 38.0; 143; Alp Hyi ; 2.86; 7200;occ; 76; 0;34057  
 11; 635.1; 04-SEP-2008 07:30:32; Dark ; 43.0; 9; Alp Eri ; 0.45; 24000;occ; 86; 0;34057  
 12; 991.0; 04-SEP-2008 07:36:28; Dark ; 57.0; 84; Alp Phe ; 2.40; 4500;occ; 114; 0;34057  
 13; 1097.0; 04-SEP-2008 07:38:14; Dark ; 41.5; 31; Alp Gru ; 1.73; 15200;occ; 83; 0;34057  
 14; 1265.8; 04-SEP-2008 07:41:03; Dark ; 38.0; 172; Gam Gru ; 3.00; 13100;occ; 76; 0;34057  
 15; 1343.3; 04-SEP-2008 07:42:20; Dark ; 46.5; 18; 24Alp PsA ; 1.17; 9700;occ; 93; 0;34057  
 16; 1626.6; 04-SEP-2008 07:47:03; Dark ; 40.0; 142; 49Del Cap ; 2.85; 8900;occ; 80; 0;34057

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1; 1812.8; 04-SEP-2008 07:50:10; Bright; 37.0; 154; 22Bet Aqr ; 2.90; 5700;occ; 74; 0;34057  
 2; 1895.5; 04-SEP-2008 07:51:32; Bright; 38.5; 162; 34Alp Aqr ; 2.94; 5350;occ; 77; 0;34057  
 3; 2074.6; 04-SEP-2008 07:54:31; Bright; 38.0; 61; 8Eps Peg ; 2.10; 3900;occ; 76; 0;34057  
 4; 2492.2; 04-SEP-2008 08:01:29; Bright; 36.5; 92; 53Eps Cyg ; 2.50; 4500;occ; 73; 0;34057  
 5; 2681.7; 04-SEP-2008 08:04:39; Bright; 35.0; 19; 50Alp Cyg ; 1.25; 10500;occ; 70; 0;34057  
 6; 2972.0; 04-SEP-2008 08:09:29; Bright; 35.5; 89; 5Alp Cep ; 2.45; 8000;occ; 71; 0;34057  
 7; 3434.0; 04-SEP-2008 08:17:11; Bright; 36.0; 49; 1Alp UMi ; 1.99; 6300;occ; 72; 0;34057  
 8; 4459.7; 04-SEP-2008 08:34:17; Bright; 38.0; 24; 66Alp Gem ; 1.58; 10200;occ; 76; 0;34057  
 9; 4932.2; 04-SEP-2008 08:42:09; Dark ; 36.5; 8; 10Alp CMi ; 0.40; 6500;occ; 73; 0;34057  
 10; 5408.4; 04-SEP-2008 08:50:05; Dark ; 50.5; 1; 9Alp CMA ; -1.44; 11000;occ; 101; 0;34057  
 11; 5491.9; 04-SEP-2008 08:51:29; Dark ; 14.0; 47; 2Bet CMA ; 1.98; 28000;occ; 28; 0;34057

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 2; -467.7; 04-SEP-2008 08:52:45; Dark ; 43.5; 23; 21Eps CMA ; 1.50; 26000;occ; 87; 0;34057  
 3; -379.4; 04-SEP-2008 08:54:13; Dark ; 42.5; 117; Pi Pup ; 2.71; 3800;occ; 85; 0;34057  
 4; -258.2; 04-SEP-2008 08:56:14; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;34057  
 5; -138.4; 04-SEP-2008 08:58:14; Dark ; 40.0; 161; Tau Pup ; 2.93; 4500;occ; 80; 0;34057  
 6; -66.9; 04-SEP-2008 08:59:26; Dark ; 44.0; 2; Alp Car ; -0.74; 7000;occ; 88; 0;34057  
 7; 556.1; 04-SEP-2008 09:09:49; Dark ; 40.0; 143; Alp Hyi ; 2.86; 7200;occ; 80; 0;34058  
 8; 635.7; 04-SEP-2008 09:11:08; Dark ; 52.5; 9; Alp Eri ; 0.45; 24000;occ; 105; 0;34058  
 9; 991.5; 04-SEP-2008 09:17:04; Dark ; 48.5; 84; Alp Phe ; 2.40; 4500;occ; 97; 0;34058  
 10; 1097.2; 04-SEP-2008 09:18:50; Dark ; 40.5; 31; Alp Gru ; 1.73; 15200;occ; 81; 0;34058  
 11; 1265.8; 04-SEP-2008 09:21:39; Dark ; 37.0; 172; Gam Gru ; 3.00; 13100;occ; 74; 0;34058  
 12; 1343.6; 04-SEP-2008 09:22:56; Dark ; 46.5; 18; 24Alp PsA ; 1.17; 9700;occ; 93; 0;34058  
 13; 1626.8; 04-SEP-2008 09:27:39; Dark ; 51.5; 142; 49Del Cap ; 2.85; 8900;occ; 103; 0;34058

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1; 1813.0; 04-SEP-2008 09:30:46; Bright; 37.0; 154; 22Bet Aqr ; 2.90; 5700;occ; 74; 0;34058  
 2; 1895.6; 04-SEP-2008 09:32:08; Bright; 38.0; 162; 34Alp Aqr ; 2.94; 5350;occ; 76; 0;34058  
 3; 2074.5; 04-SEP-2008 09:35:07; Bright; 38.5; 61; 8Eps Peg ; 2.10; 3900;occ; 77; 0;34058  
 4; 2492.3; 04-SEP-2008 09:42:05; Bright; 35.5; 92; 53Eps Cyg ; 2.50; 4500;occ; 71; 0;34058  
 5; 2681.8; 04-SEP-2008 09:45:15; Bright; 36.0; 19; 50Alp Cyg ; 1.25; 10500;occ; 72; 0;34058  
 6; 2972.0; 04-SEP-2008 09:50:05; Bright; 36.5; 89; 5Alp Cep ; 2.45; 8000;occ; 73; 0;34058  
 7; 3433.9; 04-SEP-2008 09:57:47; Bright; 35.5; 49; 1Alp UMi ; 1.99; 6300;occ; 71; 0;34058  
 8; 4459.8; 04-SEP-2008 10:14:53; Bright; 27.5; 24; 66Alp Gem ; 1.58; 10200;occ; 55; 0;34058

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 2;-1103.4; 04-SEP-2008 10:22:45; Dark ; 54.0; 8; 10Alp CMi ; 0.40; 6500;occ; 108; 0;34058  
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 4; -543.2; 04-SEP-2008 10:32:05; Dark ; 43.0; 47; 2Bet CMA ; 1.98; 28000;occ; 86; 0;34058

5; -467.0; 04-SEP-2008 10:33:22; Dark ; 43.0; 23; 21Eps CMA ; 1.50; 26000;occ; 86; 0;34058  
6; -379.0; 04-SEP-2008 10:34:50; Dark ; 42.5; 117; Pi Pup ; 2.71; 3800;occ; 85; 0;34058  
7; -257.8; 04-SEP-2008 10:36:51; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;34058  
8; -137.9; 04-SEP-2008 10:38:51; Dark ; 38.5; 161; Tau Pup ; 2.93; 4500;occ; 77; 0;34058  
9; -66.4; 04-SEP-2008 10:40:02; Dark ; 46.5; 2; Alp Car ;-0.74; 7000;occ; 93; 0;34058  
10; 556.5; 04-SEP-2008 10:50:25; Dark ; 41.5; 143; Alp Hyi ; 2.86; 7200;occ; 83; 0;34059  
11; 636.2; 04-SEP-2008 10:51:45; Dark ; 51.0; 9; Alp Eri ; 0.45; 24000;occ; 102; 0;34059  
12; 992.1; 04-SEP-2008 10:57:41; Dark ; 50.0; 84; Alp Phe ; 2.40; 4500;occ; 100; 0;34059  
13; 1097.4; 04-SEP-2008 10:59:26; Dark ; 42.5; 31; Alp Gru ; 1.73; 15200;occ; 85; 0;34059  
14; 1266.0; 04-SEP-2008 11:02:15; Dark ; 37.5; 172; Gam Gru ; 3.00; 13100;occ; 75; 0;34059  
15; 1343.8; 04-SEP-2008 11:03:32; Dark ; 43.0; 18; 24Alp PsA ; 1.17; 9700;occ; 86; 0;34059  
16; 1627.0; 04-SEP-2008 11:08:16; Dark ; 40.0; 142; 49Del Cap ; 2.85; 8900;occ; 80; 0;34059

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2; 1895.5; 04-SEP-2008 11:12:44; Bright; 37.5; 162; 34Alp Aqr ; 2.94; 5350;occ; 75; 0;34059  
3; 2074.6; 04-SEP-2008 11:15:43; Bright; 38.0; 61; 8Eps Peg ; 2.10; 3900;occ; 76; 0;34059  
4; 2492.4; 04-SEP-2008 11:22:41; Bright; 36.5; 92; 53Eps Cyg ; 2.50; 4500;occ; 73; 0;34059  
5; 2681.9; 04-SEP-2008 11:25:50; Bright; 33.5; 19; 50Alp Cyg ; 1.25; 10500;occ; 67; 0;34059  
6; 2971.8; 04-SEP-2008 11:30:40; Bright; 36.0; 89; 5Alp Cep ; 2.45; 8000;occ; 72; 0;34059  
7; 3433.9; 04-SEP-2008 11:38:22; Bright; 36.0; 49; 1Alp UMi ; 1.99; 6300;occ; 72; 0;34059  
8; 4459.9; 04-SEP-2008 11:55:28; Bright; 40.5; 24; 66Alp Gem ; 1.58; 10200;occ; 81; 0;34059  
9; 4932.8; 04-SEP-2008 12:03:21; Dark ; 48.5; 8; 10Alp CMi ; 0.40; 6500;occ; 97; 0;34059  
10; 5409.8; 04-SEP-2008 12:11:18; Dark ; 50.0; 1; 9Alp CMA ;-1.44; 11000;occ; 100; 0;34059  
11; 5493.5; 04-SEP-2008 12:12:42; Dark ; 43.0; 47; 2Bet CMA ; 1.98; 28000;occ; 86; 0;34059  
12; 5569.4; 04-SEP-2008 12:13:58; Dark ; 41.5; 23; 21Eps CMA ; 1.50; 26000;occ; 83; 0;34059  
13; 5657.3; 04-SEP-2008 12:15:26; Dark ; 44.0; 117; Pi Pup ; 2.71; 3800;occ; 88; 0;34059  
14; 5778.4; 04-SEP-2008 12:17:27; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;34059  
15; 5898.2; 04-SEP-2008 12:19:27; Dark ; 39.0; 161; Tau Pup ; 2.93; 4500;occ; 78; 0;34059  
16; 5969.9; 04-SEP-2008 12:20:38; Dark ; 45.5; 2; Alp Car ;-0.74; 7000;occ; 91; 0;34059  
17; 6593.0; 04-SEP-2008 12:31:02; Dark ; 38.5; 143; Alp Hyi ; 2.86; 7200;occ; 77; 0;34059  
18; 6672.6; 04-SEP-2008 12:32:21; Dark ; 42.0; 9; Alp Eri ; 0.45; 24000;occ; 84; 0;34059  
19; 7028.5; 04-SEP-2008 12:38:17; Dark ; 53.0; 84; Alp Phe ; 2.40; 4500;occ; 106; 0;34059  
20; 7133.5; 04-SEP-2008 12:40:02; Dark ; 38.5; 31; Alp Gru ; 1.73; 15200;occ; 77; 0;34059  
21; 7302.3; 04-SEP-2008 12:42:51; Dark ; 36.5; 172; Gam Gru ; 3.00; 13100;occ; 73; 0;34059  
22; 7379.9; 04-SEP-2008 12:44:08; Dark ; 47.0; 18; 24Alp PsA ; 1.17; 9700;occ; 94; 0;34059  
23; 7662.9; 04-SEP-2008 12:48:51; Dark ; 25.5; 142; 49Del Cap ; 2.85; 8900;occ; 51; 0;34059

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4; 2074.5; 04-SEP-2008 12:56:19; Bright; 37.0; 61; 8Eps Peg ; 2.10; 3900;occ; 74; 0;34060  
5; 2492.5; 04-SEP-2008 13:03:17; Bright; 36.0; 92; 53Eps Cyg ; 2.50; 4500;occ; 72; 0;34060  
6; 2682.0; 04-SEP-2008 13:06:26; Bright; 36.0; 19; 50Alp Cyg ; 1.25; 10500;occ; 72; 0;34060  
7; 2971.8; 04-SEP-2008 13:11:16; Bright; 36.5; 89; 5Alp Cep ; 2.45; 8000;occ; 73; 0;34060  
8; 3433.9; 04-SEP-2008 13:18:58; Bright; 36.5; 49; 1Alp UMi ; 1.99; 6300;occ; 73; 0;34060  
9; 4460.1; 04-SEP-2008 13:36:04; Bright; 39.0; 24; 66Alp Gem ; 1.58; 10200;occ; 78; 0;34060  
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11; 5410.6; 04-SEP-2008 13:51:55; Dark ; 52.0; 1; 9Alp CMA ;-1.44; 11000;occ; 104; 0;34060  
12; 5494.4; 04-SEP-2008 13:53:19; Dark ; 34.0; 47; 2Bet CMA ; 1.98; 28000;occ; 68; 0;34060  
13; 5570.0; 04-SEP-2008 13:54:34; Dark ; 41.5; 23; 21Eps CMA ; 1.50; 26000;occ; 83; 0;34060  
14; 5657.9; 04-SEP-2008 13:56:02; Dark ; 40.5; 117; Pi Pup ; 2.71; 3800;occ; 81; 0;34060  
15; 5778.9; 04-SEP-2008 13:58:03; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;34060  
16; 5898.9; 04-SEP-2008 14:00:03; Dark ; 38.5; 161; Tau Pup ; 2.93; 4500;occ; 77; 0;34060  
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19; 6673.3; 04-SEP-2008 14:12:58; Dark ; 47.0; 9; Alp Eri ; 0.45; 24000;occ; 94; 0;34060  
20; 7029.1; 04-SEP-2008 14:18:54; Dark ; 45.0; 84; Alp Phe ; 2.40; 4500;occ; 90; 0;34060  
21; 7133.8; 04-SEP-2008 14:20:38; Dark ; 40.0; 31; Alp Gru ; 1.73; 15200;occ; 80; 0;34060  
22; 7302.4; 04-SEP-2008 14:23:27; Dark ; 38.0; 172; Gam Gru ; 3.00; 13100;occ; 76; 0;34060  
23; 7380.3; 04-SEP-2008 14:24:45; Dark ; 45.5; 18; 24Alp PsA ; 1.17; 9700;occ; 91; 0;34060

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3; 1895.7; 04-SEP-2008 14:33:56; Bright; 38.0; 162; 34Alp Aqr ; 2.94; 5350;occ; 76; 0;34061  
4; 2074.6; 04-SEP-2008 14:36:55; Bright; 37.5; 61; 8Eps Peg ; 2.10; 3900;occ; 75; 0;34061  
5; 2492.6; 04-SEP-2008 14:43:53; Bright; 36.0; 92; 53Eps Cyg ; 2.50; 4500;occ; 72; 0;34061  
6; 2682.2; 04-SEP-2008 14:47:02; Bright; 36.5; 19; 50Alp Cyg ; 1.25; 10500;occ; 73; 0;34061  
7; 2971.8; 04-SEP-2008 14:51:52; Bright; 33.0; 89; 5Alp Cep ; 2.45; 8000;occ; 66; 0;34061



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13; 5570.7; 04-SEP-2008 15:35:11; Dark ; 45.0; 23; 21Eps CMA ; 1.50; 26000;occ; 90; 0;34061
14; 5658.5; 04-SEP-2008 15:36:39; Dark ; 43.0; 117; Pi Pup ; 2.71; 3800;occ; 86; 0;34061
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3; -65.0; 04-SEP-2008 15:41:51; Dark ; 54.0; 2; Alp Car ; -0.74; 7000;occ; 108; 0;34061
4; 558.1; 04-SEP-2008 15:52:14; Dark ; 39.5; 143; Alp Hyi ; 2.86; 7200;occ; 79; 0;34062
5; 637.9; 04-SEP-2008 15:53:34; Dark ; 43.5; 9; Alp Eri ; 0.45; 24000;occ; 87; 0;34062
6; 993.8; 04-SEP-2008 15:59:30; Dark ; 50.0; 84; Alp Phe ; 2.40; 4500;occ; 100; 0;34062
7; 1098.1; 04-SEP-2008 16:01:14; Dark ; 39.5; 31; Alp Gru ; 1.73; 15200;occ; 79; 0;34062
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3; -375.4; 04-SEP-2008 23:59:40; Dark ; 47.5; 117; Pi Pup ; 2.71; 3800;occ; 95; 0;34066
4; -254.6; 05-SEP-2008 00:01:41; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;34066
5; -134.5; 05-SEP-2008 00:03:41; Dark ; 38.5; 161; Tau Pup ; 2.93; 4500;occ; 77; 0;34066
6; -62.6; 05-SEP-2008 00:04:53; Dark ; 44.5; 2; Alp Car ; -0.74; 7000;occ; 89; 0;34066
7; 560.7; 05-SEP-2008 00:15:17; Dark ; 38.0; 143; Alp Hyi ; 2.86; 7200;occ; 76; 0;34067
8; 640.7; 05-SEP-2008 00:16:37; Dark ; 45.0; 9; Alp Eri ; 0.45; 24000;occ; 90; 0;34067
9; 996.2; 05-SEP-2008 00:22:32; Dark ; 53.0; 84; Alp Phe ; 2.40; 4500;occ; 106; 0;34067
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9; 3038.8; 13-SEP-2008 23:33:13; Bright; 41.0; 74; 11Bet Cas ; 2.27; 6600;occ; 82; 0;34195
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2; -578.9; 16-SEP-2008 20:58:05; Dark ; 42.0; 132; 15Rho Pup ; 2.80; 6900;occ; 84; 0;34236
3; -467.9; 16-SEP-2008 20:59:56; Dark ; 59.5; 1; 9Alp CMA ;-1.44; 11000;occ; 119; 0;34236
4; -339.1; 16-SEP-2008 21:02:05; Dark ; 48.0; 23; 21Eps CMA ; 1.50; 26000;occ; 96; 0;34236
5; -114.6; 16-SEP-2008 21:05:50; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;34236
6; 33.3; 16-SEP-2008 21:08:17; Dark ; 42.0; 2; Alp Car ;-0.74; 7000;occ; 84; 0;34237
7; 646.6; 16-SEP-2008 21:18:31; Dark ; 39.0; 143; Alp Hyi ; 2.86; 7200;occ; 78; 0;34237
8; 732.3; 16-SEP-2008 21:19:56; Dark ; 51.0; 9; Alp Eri ; 0.45; 24000;occ; 102; 0;34237
9; 1074.6; 16-SEP-2008 21:25:39; Dark ; 45.5; 84; Alp Phe ; 2.40; 4500;occ; 91; 0;34237
10; 1530.0; 16-SEP-2008 21:33:14; Dark ; 53.5; 52; 16Bet Cet ; 2.04; 4500;occ; 107; 0;34237
11; 2176.7; 16-SEP-2008 21:44:01; Bright; 39.0; 90; 54Alp Peg ; 2.49; 11000;occ; 78; 0;34237
12; 2407.7; 16-SEP-2008 21:47:52; Bright; 40.5; 93; 53Bet Peg ; 2.52; 3100;occ; 81; 0;34237
13; 2525.2; 16-SEP-2008 21:49:49; Bright; 46.5; 58; 21Alp And ; 2.07; 11000;occ; 93; 0;34237
14; 3019.8; 16-SEP-2008 21:58:04; Bright; 40.0; 74; 11Bet Cas ; 2.27; 6600;occ; 80; 0;34237
15; 3125.5; 16-SEP-2008 21:59:50; Bright; 42.0; 76; 27Gam Cas ; 2.30; 30000;occ; 84; 0;34237

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16; 4484.1; 16-SEP-2008 22:22:28; Bright; 47.0; 24; 66Alp Gem ; 1.58; 10200;occ; 94; 0;34237
17; 5012.5; 16-SEP-2008 22:31:17; Dark ; 57.0; 8; 10Alp CMI ; 0.40; 6500;occ; 114; 0;34237
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2; -466.8; 16-SEP-2008 22:40:33; Dark ; 67.0; 1; 9Alp CMA ; -1.44; 11000;occ; 134; 0;34237
3; -338.2; 16-SEP-2008 22:42:42; Dark ; 51.5; 23; 21Eps CMA ; 1.50; 26000;occ; 103; 0;34237
4; -113.7; 16-SEP-2008 22:46:26; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;34237
5; 34.0; 16-SEP-2008 22:48:54; Dark ; 57.0; 2; Alp Car ; -0.74; 7000;occ; 114; 0;34238
6; 647.0; 16-SEP-2008 22:59:07; Dark ; 38.5; 143; Alp Hyi ; 2.86; 7200;occ; 77; 0;34238
7; 732.8; 16-SEP-2008 23:00:33; Dark ; 50.0; 9; Alp Eri ; 0.45; 24000;occ; 100; 0;34238
8; 1074.9; 16-SEP-2008 23:06:15; Dark ; 43.0; 84; Alp Phe ; 2.40; 4500;occ; 86; 0;34238
9; 1530.0; 16-SEP-2008 23:13:50; Dark ; 56.0; 52; 16Bet Cet ; 2.04; 4500;occ; 112; 0;34238
10; 2176.6; 16-SEP-2008 23:24:37; Bright; 39.0; 90; 54Alp Peg ; 2.49; 11000;occ; 78; 0;34238
11; 2407.5; 16-SEP-2008 23:28:27; Bright; 37.0; 93; 53Bet Peg ; 2.52; 3100;occ; 74; 0;34238
12; 2524.5; 16-SEP-2008 23:30:25; Bright; 47.0; 58; 21Alp And ; 2.07; 11000;occ; 94; 0;34238
13; 3019.4; 16-SEP-2008 23:38:39; Bright; 41.5; 74; 11Bet Cas ; 2.27; 6600;occ; 83; 0;34238
14; 3125.0; 16-SEP-2008 23:40:25; Bright; 38.0; 76; 27Gam Cas ; 2.30; 30000;occ; 76; 0;34238
15; 4484.3; 16-SEP-2008 00:03:04; Bright; 45.5; 24; 66Alp Gem ; 1.58; 10200;occ; 91; 0;34238
16; 5013.0; 17-SEP-2008 00:11:53; Dark ; 62.5; 8; 10Alp CMI ; 0.40; 6500;occ; 125; 0;34238
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2; -465.7; 17-SEP-2008 00:21:10; Dark ; 59.5; 1; 9Alp CMA ; -1.44; 11000;occ; 119; 0;34238
3; -337.2; 17-SEP-2008 00:23:19; Dark ; 49.5; 23; 21Eps CMA ; 1.50; 26000;occ; 99; 0;34238
4; -112.7; 17-SEP-2008 00:27:03; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;34238
5; 34.6; 17-SEP-2008 00:29:30; Dark ; 55.5; 2; Alp Car ; -0.74; 7000;occ; 111; 0;34239
6; 647.4; 17-SEP-2008 00:39:43; Dark ; 39.5; 143; Alp Hyi ; 2.86; 7200;occ; 79; 0;34239
7; 733.3; 17-SEP-2008 00:41:09; Dark ; 50.0; 9; Alp Eri ; 0.45; 24000;occ; 100; 0;34239
8; 1075.3; 17-SEP-2008 00:46:51; Dark ; 41.0; 84; Alp Phe ; 2.40; 4500;occ; 82; 0;34239
9; 1530.1; 17-SEP-2008 00:54:26; Dark ; 58.5; 52; 16Bet Cet ; 2.04; 4500;occ; 117; 0;34239
10; 2176.5; 17-SEP-2008 01:05:12; Bright; 39.0; 90; 54Alp Peg ; 2.49; 11000;occ; 78; 0;34239
11; 2407.2; 17-SEP-2008 01:09:03; Bright; 41.0; 93; 53Bet Peg ; 2.52; 3100;occ; 82; 0;34239
12; 2523.8; 17-SEP-2008 01:11:00; Bright; 44.5; 58; 21Alp And ; 2.07; 11000;occ; 89; 0;34239
13; 3018.9; 17-SEP-2008 01:19:15; Bright; 40.5; 74; 11Bet Cas ; 2.27; 6600;occ; 81; 0;34239
14; 3124.4; 17-SEP-2008 01:21:00; Bright; 39.0; 76; 27Gam Cas ; 2.30; 30000;occ; 78; 0;34239
15; 4484.3; 17-SEP-2008 01:43:40; Bright; 45.0; 24; 66Alp Gem ; 1.58; 10200;occ; 90; 0;34239
16; 5013.6; 17-SEP-2008 01:52:30; Dark ; 54.5; 8; 10Alp CMI ; 0.40; 6500;occ; 109; 0;34239
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2; -464.5; 17-SEP-2008 02:01:47; Dark ; 64.5; 1; 9Alp CMA ; -1.44; 11000;occ; 129; 0;34239
3; -336.5; 17-SEP-2008 02:03:55; Dark ; 47.0; 23; 21Eps CMA ; 1.50; 26000;occ; 94; 0;34239
4; -111.8; 17-SEP-2008 02:07:40; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;34239
5; 35.2; 17-SEP-2008 02:10:07; Dark ; 47.0; 2; Alp Car ; -0.74; 7000;occ; 94; 0;34240
6; 647.9; 17-SEP-2008 02:20:20; Dark ; 40.0; 143; Alp Hyi ; 2.86; 7200;occ; 80; 0;34240
7; 733.8; 17-SEP-2008 02:21:46; Dark ; 43.0; 9; Alp Eri ; 0.45; 24000;occ; 86; 0;34240
8; 1075.7; 17-SEP-2008 02:27:27; Dark ; 41.5; 84; Alp Phe ; 2.40; 4500;occ; 83; 0;34240
9; 1530.4; 17-SEP-2008 02:35:02; Dark ; 58.5; 52; 16Bet Cet ; 2.04; 4500;occ; 117; 0;34240
10; 2176.3; 17-SEP-2008 02:45:48; Bright; 39.5; 90; 54Alp Peg ; 2.49; 11000;occ; 79; 0;34240
11; 2407.0; 17-SEP-2008 02:49:39; Bright; 40.5; 93; 53Bet Peg ; 2.52; 3100;occ; 81; 0;34240
12; 2523.3; 17-SEP-2008 02:51:35; Bright; 46.5; 58; 21Alp And ; 2.07; 11000;occ; 93; 0;34240
13; 3018.6; 17-SEP-2008 02:59:50; Bright; 40.0; 74; 11Bet Cas ; 2.27; 6600;occ; 80; 0;34240
14; 3124.0; 17-SEP-2008 03:01:36; Bright; 41.0; 76; 27Gam Cas ; 2.30; 30000;occ; 82; 0;34240
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2; -1021.7; 17-SEP-2008 03:33:06; Dark ; 48.0; 8; 10Alp CMI ; 0.40; 6500;occ; 96; 0;34240
3; -576.8; 17-SEP-2008 03:40:31; Dark ; 42.5; 132; 15Rho Pup ; 2.80; 6900;occ; 85; 0;34240
4; -463.4; 17-SEP-2008 03:42:24; Dark ; 65.5; 1; 9Alp CMA ; -1.44; 11000;occ; 131; 0;34240
5; -335.5; 17-SEP-2008 03:44:32; Dark ; 47.0; 23; 21Eps CMA ; 1.50; 26000;occ; 94; 0;34240
6; -110.8; 17-SEP-2008 03:48:17; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;34240
7; 36.0; 17-SEP-2008 03:50:44; Dark ; 56.0; 2; Alp Car ; -0.74; 7000;occ; 112; 0;34241
8; 648.6; 17-SEP-2008 04:00:56; Dark ; 38.5; 143; Alp Hyi ; 2.86; 7200;occ; 77; 0;34241
9; 734.4; 17-SEP-2008 04:02:22; Dark ; 43.0; 9; Alp Eri ; 0.45; 24000;occ; 86; 0;34241
10; 1076.3; 17-SEP-2008 04:08:04; Dark ; 45.5; 84; Alp Phe ; 2.40; 4500;occ; 91; 0;34241
11; 1530.7; 17-SEP-2008 04:15:38; Dark ; 57.0; 52; 16Bet Cet ; 2.04; 4500;occ; 114; 0;34241
12; 2176.3; 17-SEP-2008 04:26:24; Bright; 38.5; 90; 54Alp Peg ; 2.49; 11000;occ; 77; 0;34241
13; 2406.9; 17-SEP-2008 04:30:15; Bright; 40.0; 93; 53Bet Peg ; 2.52; 3100;occ; 80; 0;34241
14; 2522.7; 17-SEP-2008 04:32:10; Bright; 45.5; 58; 21Alp And ; 2.07; 11000;occ; 91; 0;34241
15; 3018.2; 17-SEP-2008 04:40:26; Bright; 39.0; 74; 11Bet Cas ; 2.27; 6600;occ; 78; 0;34241
16; 3123.6; 17-SEP-2008 04:42:11; Bright; 43.0; 76; 27Gam Cas ; 2.30; 30000;occ; 86; 0;34241

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 2; -1021.1; 17-SEP-2008 05:13:43; Dark ; 62.0; 8; 10Alp CMI ; 0.40; 6500;occ; 124; 0;34241  
 3; -576.3; 17-SEP-2008 05:21:08; Dark ; 41.0; 132; 15Rho Pup ; 2.80; 6900;occ; 82; 0;34241  
 4; -462.2; 17-SEP-2008 05:23:02; Dark ; 67.0; 1; 9Alp CMA ; -1.44; 11000;occ; 134; 0;34241  
 5; -334.6; 17-SEP-2008 05:25:09; Dark ; 45.5; 23; 21Eps CMA ; 1.50; 26000;occ; 91; 0;34241  
 6; -109.9; 17-SEP-2008 05:28:54; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;34241  
 7; 36.6; 17-SEP-2008 05:31:20; Dark ; 42.5; 2; Alp Car ; -0.74; 7000;occ; 85; 0;34242  
 8; 649.1; 17-SEP-2008 05:41:33; Dark ; 37.5; 143; Alp Hyi ; 2.86; 7200;occ; 75; 0;34242  
 9; 734.9; 17-SEP-2008 05:42:59; Dark ; 50.5; 9; Alp Eri ; 0.45; 24000;occ; 101; 0;34242  
 10; 1076.7; 17-SEP-2008 05:48:40; Dark ; 45.5; 84; Alp Phe ; 2.40; 4500;occ; 91; 0;34242  
 11; 1530.8; 17-SEP-2008 05:56:15; Dark ; 54.5; 52; 16Bet Cet ; 2.04; 4500;occ; 109; 0;34242  
 12; 2176.2; 17-SEP-2008 06:07:00; Bright; 39.0; 90; 54Alp Peg ; 2.49; 11000;occ; 78; 0;34242  
 13; 2406.7; 17-SEP-2008 06:10:50; Bright; 38.5; 93; 53Bet Peg ; 2.52; 3100;occ; 77; 0;34242  
 14; 2522.1; 17-SEP-2008 06:12:46; Bright; 47.5; 58; 21Alp And ; 2.07; 11000;occ; 95; 0;34242  
 15; 3017.8; 17-SEP-2008 06:21:02; Bright; 40.5; 74; 11Bet Cas ; 2.27; 6600;occ; 81; 0;34242  
 16; 3122.9; 17-SEP-2008 06:22:47; Bright; 42.0; 76; 27Gam Cas ; 2.30; 30000;occ; 84; 0;34242

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1; 1080.2; 17-SEP-2008 20:54:07; Dark ; 46.5; 84; Alp Phe ; 2.40; 4500;occ; 93; 0;34251  
 2; 1531.9; 17-SEP-2008 21:01:39; Dark ; 57.0; 52; 16Bet Cet ; 2.04; 4500;occ; 114; 0;34251  
 3; 2174.9; 17-SEP-2008 21:12:22; Bright; 37.5; 90; 54Alp Peg ; 2.49; 11000;occ; 75; 0;34251  
 4; 2404.7; 17-SEP-2008 21:16:12; Bright; 40.0; 93; 53Bet Peg ; 2.52; 3100;occ; 80; 0;34251  
 5; 2516.2; 17-SEP-2008 21:18:04; Bright; 46.0; 58; 21Alp And ; 2.07; 11000;occ; 92; 0;34251  
 6; 3013.9; 17-SEP-2008 21:26:21; Bright; 41.5; 74; 11Bet Cas ; 2.27; 6600;occ; 83; 0;34251  
 7; 3118.1; 17-SEP-2008 21:28:05; Bright; 43.0; 76; 27Gam Cas ; 2.30; 30000;occ; 86; 0;34251  
 8; 4486.1; 17-SEP-2008 21:50:53; Bright; 45.5; 24; 66Alp Gem ; 1.58; 10200;occ; 91; 0;34251  
 9; 5020.5; 17-SEP-2008 21:59:48; Dark ; 60.0; 8; 10Alp CMI ; 0.40; 6500;occ; 120; 0;34251

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1; -449.6; 17-SEP-2008 23:49:49; Dark ; 62.5; 1; 9Alp CMA ; -1.44; 11000;occ; 125; 0;34252  
 2; -324.9; 17-SEP-2008 23:51:54; Dark ; 48.0; 23; 21Eps CMA ; 1.50; 26000;occ; 96; 0;34252  
 3; -99.2; 17-SEP-2008 23:55:40; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;34252  
 4; 43.5; 17-SEP-2008 23:58:03; Dark ; 57.0; 2; Alp Car ; -0.74; 7000;occ; 114; 0;34253  
 5; 654.0; 18-SEP-2008 00:08:13; Dark ; 38.0; 143; Alp Hyi ; 2.86; 7200;occ; 76; 0;34253  
 6; 740.2; 18-SEP-2008 00:09:39; Dark ; 50.5; 9; Alp Eri ; 0.45; 24000;occ; 101; 0;34253  
 7; 1080.9; 18-SEP-2008 00:15:20; Dark ; 47.5; 84; Alp Phe ; 2.40; 4500;occ; 95; 0;34253  
 8; 1532.2; 18-SEP-2008 00:22:51; Dark ; 56.0; 52; 16Bet Cet ; 2.04; 4500;occ; 112; 0;34253  
 9; 2174.4; 18-SEP-2008 00:33:33; Bright; 39.5; 90; 54Alp Peg ; 2.49; 11000;occ; 79; 0;34253  
 10; 2404.1; 18-SEP-2008 00:37:23; Bright; 40.0; 93; 53Bet Peg ; 2.52; 3100;occ; 80; 0;34253  
 11; 2515.0; 18-SEP-2008 00:39:14; Bright; 45.0; 58; 21Alp And ; 2.07; 11000;occ; 90; 0;34253  
 12; 3012.9; 18-SEP-2008 00:47:32; Bright; 40.5; 74; 11Bet Cas ; 2.27; 6600;occ; 81; 0;34253  
 13; 3116.8; 18-SEP-2008 00:49:16; Bright; 42.5; 76; 27Gam Cas ; 2.30; 30000;occ; 85; 0;34253  
 14; 4486.3; 18-SEP-2008 01:12:05; Bright; 46.5; 24; 66Alp Gem ; 1.58; 10200;occ; 93; 0;34253  
 15; 5021.8; 18-SEP-2008 01:21:01; Dark ; 62.5; 8; 10Alp CMI ; 0.40; 6500;occ; 125; 0;34253

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1; 667.4; 17-SEP-2008 12:24:15; Dark ; 40.0; 143; Alp Hyi ; 2.86; 7200;occ; 80; 33;34246  
 2; 736.8; 17-SEP-2008 12:25:24; Dark ; 49.0; 9; Alp Eri ; 0.45; 24000;occ; 98; 0;34246  
 3; 1078.3; 17-SEP-2008 12:31:06; Dark ; 43.0; 84; Alp Phe ; 2.40; 4500;occ; 86; 0;34246  
 4; 1531.4; 17-SEP-2008 12:38:39; Dark ; 56.5; 52; 16Bet Cet ; 2.04; 4500;occ; 113; 0;34246

/nas3/ENVISAT/GOMOS/GOM\_NL\_\_0P/GOM\_NL\_\_0PNPDK20080917\_141915\_000000272072\_00125\_34247\_2113.N1

1; 1531.5; 17-SEP-2008 14:19:15; Dark ; 26.0; 52; 16Bet Cet ; 2.04; 4500;occ; 52; 0;34247

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1; 1531.7; 17-SEP-2008 15:59:51; Dark ; 57.5; 52; 16Bet Cet ; 2.04; 4500;occ; 115; 0;34248  
 2; 2175.1; 17-SEP-2008 16:10:34; Bright; 28.5; 90; 54Alp Peg ; 2.49; 11000;occ; 57; 0;34248

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 2; -324.0; 18-SEP-2008 01:32:31; Dark ; 50.5; 23; 21Eps CMA ; 1.50; 26000;occ; 101; 0;34253  
 3; -98.3; 18-SEP-2008 01:36:17; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;34253  
 4; 44.1; 18-SEP-2008 01:38:39; Dark ; 45.5; 2; Alp Car ; -0.74; 7000;occ; 91; 0;34254  
 5; 654.5; 18-SEP-2008 01:48:49; Dark ; 38.5; 143; Alp Hyi ; 2.86; 7200;occ; 77; 0;34254  
 6; 740.7; 18-SEP-2008 01:50:16; Dark ; 44.5; 9; Alp Eri ; 0.45; 24000;occ; 89; 0;34254  
 7; 1081.3; 18-SEP-2008 01:55:56; Dark ; 47.0; 84; Alp Phe ; 2.40; 4500;occ; 94; 0;34254  
 8; 1532.4; 18-SEP-2008 02:03:27; Dark ; 53.0; 52; 16Bet Cet ; 2.04; 4500;occ; 106; 0;34254  
 9; 2174.3; 18-SEP-2008 02:14:09; Bright; 38.5; 90; 54Alp Peg ; 2.49; 11000;occ; 77; 0;34254  
 10; 2403.8; 18-SEP-2008 02:17:59; Bright; 40.5; 93; 53Bet Peg ; 2.52; 3100;occ; 81; 0;34254  
 11; 2514.6; 18-SEP-2008 02:19:49; Bright; 45.0; 58; 21Alp And ; 2.07; 11000;occ; 90; 0;34254  
 12; 3012.5; 18-SEP-2008 02:28:07; Bright; 40.5; 74; 11Bet Cas ; 2.27; 6600;occ; 81; 0;34254  
 13; 3116.3; 18-SEP-2008 02:29:51; Bright; 39.5; 76; 27Gam Cas ; 2.30; 30000;occ; 79; 0;34254

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2;-1013.5; 18-SEP-2008 03:01:37; Dark ; 55.0; 8; 10Alp CMI ; 0.40; 6500;occ; 110; 0;34254
3; -569.5; 18-SEP-2008 03:09:01; Dark ; 41.0; 132; 15Rho Pup ; 2.80; 6900;occ; 82; 0;34254
4; -447.3; 18-SEP-2008 03:11:04; Dark ; 60.5; 1; 9Alp CMA ; -1.44; 11000;occ; 121; 0;34254
5; -323.0; 18-SEP-2008 03:13:08; Dark ; 52.0; 23; 21Eps CMA ; 1.50; 26000;occ; 104; 0;34254
6; -97.3; 18-SEP-2008 03:16:54; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;34254
7; 44.9; 18-SEP-2008 03:19:16; Dark ; 53.0; 2; Alp Car ; -0.74; 7000;occ; 106; 0;34255
8; 655.2; 18-SEP-2008 03:29:26; Dark ; 39.5; 143; Alp Hyi ; 2.86; 7200;occ; 79; 0;34255
9; 741.3; 18-SEP-2008 03:30:52; Dark ; 46.5; 9; Alp Eri ; 0.45; 24000;occ; 93; 0;34255
10; 1081.7; 18-SEP-2008 03:36:33; Dark ; 45.0; 84; Alp Phe ; 2.40; 4500;occ; 90; 0;34255
11; 1532.7; 18-SEP-2008 03:44:04; Dark ; 58.5; 52; 16Bet Cet ; 2.04; 4500;occ; 117; 0;34255
12; 2174.4; 18-SEP-2008 03:54:45; Bright; 38.5; 90; 54Alp Peg ; 2.49; 11000;occ; 77; 0;34255
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6; 3008.1; 18-SEP-2008 20:54:38; Bright; 40.0; 74; 11Bet Cas ; 2.27; 6600;occ; 80; 0;34265
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8; 769.3; 22-SEP-2008 08:07:16; Dark ; 51.5; 9; Alp Eri ; 0.45; 24000;occ; 103; 0;34315
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3; 2969.6; 26-SEP-2008 08:18:05; Bright; 39.0; 74; 11Bet Cas ; 2.27; 6600;occ; 78; 0;34372
4; 3058.5; 26-SEP-2008 08:19:34; Bright; 40.0; 76; 27Gam Cas ; 2.30; 30000;occ; 80; 0;34372
5; 4585.4; 26-SEP-2008 08:45:01; Bright; 53.5; 17; 78Bet Gem ; 1.16; 4500;occ; 107; 0;34372
6; 5105.3; 26-SEP-2008 08:53:41; Dark ; 28.0; 8; 10Alp CMi ; 0.40; 6500;occ; 56; 0;34372
7; 5539.0; 26-SEP-2008 09:00:54; Dark ; 43.0; 132; 15Rho Pup ; 2.80; 6900;occ; 86; 0;34372
8; 5740.9; 26-SEP-2008 09:04:16; Dark ; 45.5; 88; 31Eta CMA ; 2.45; 20000;occ; 91; 0;34372
9; 5832.8; 26-SEP-2008 09:05:48; Dark ; 51.5; 23; 21Eps CMA ; 1.50; 26000;occ; 103; 0;34372
10; 5949.5; 26-SEP-2008 09:07:45; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;34372
11; 6077.5; 26-SEP-2008 09:09:53; Dark ; 42.5; 161; Tau Pup ; 2.93; 4500;occ; 85; 0;34372
12; 6903.2; 26-SEP-2008 09:23:39; Dark ; 51.5; 157; The1Eri ; 2.91; 9300;occ; 103; 0;34372
13; 7158.8; 26-SEP-2008 09:27:54; Dark ; 44.0; 84; Alp Phe ; 2.40; 4500;occ; 88; 0;34372
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3; 2969.2; 26-SEP-2008 09:58:40; Bright; 37.5; 74; 11Bet Cas ; 2.27; 6600;occ; 75; 0;34373
4; 3058.1; 26-SEP-2008 10:00:09; Bright; 56.5; 76; 27Gam Cas ; 2.30; 30000;occ; 113; 0;34373
5; 4585.7; 26-SEP-2008 10:25:37; Bright; 53.0; 17; 78Bet Gem ; 1.16; 4500;occ; 106; 0;34373
6; 5106.2; 26-SEP-2008 10:34:17; Dark ; 28.0; 8; 10Alp CMi ; 0.40; 6500;occ; 56; 0;34373
7; 5539.7; 26-SEP-2008 10:41:31; Dark ; 42.5; 132; 15Rho Pup ; 2.80; 6900;occ; 85; 0;34373
8; 5741.9; 26-SEP-2008 10:44:53; Dark ; 47.5; 88; 31Eta CMA ; 2.45; 20000;occ; 95; 0;34373
9; 5833.8; 26-SEP-2008 10:46:25; Dark ; 52.5; 23; 21Eps CMA ; 1.50; 26000;occ; 105; 0;34373
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11; 6078.1; 26-SEP-2008 10:50:29; Dark ; 48.5; 161; Tau Pup ; 2.93; 4500;occ; 97; 0;34373
12; 6903.8; 26-SEP-2008 11:04:15; Dark ; 50.0; 157; The1Eri ; 2.91; 9300;occ; 100; 0;34373
13; 7159.1; 26-SEP-2008 11:08:30; Dark ; 39.5; 84; Alp Phe ; 2.40; 4500;occ; 79; 0;34373
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2; 2388.0; 26-SEP-2008 11:29:35; Bright; 37.0; 93; 53Bet Peg ; 2.52; 3100;occ; 74; 0;34374
3; 2968.8; 26-SEP-2008 11:39:16; Bright; 39.5; 74; 11Bet Cas ; 2.27; 6600;occ; 79; 0;34374
4; 3057.6; 26-SEP-2008 11:40:45; Bright; 40.0; 76; 27Gam Cas ; 2.30; 30000;occ; 80; 0;34374

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6; 5540.4; 26-SEP-2008 12:22:08; Dark ; 42.0; 132; 15Rho Pup ; 2.80; 6900;occ; 84; 0;34374
7; 5742.9; 26-SEP-2008 12:25:30; Dark ; 47.0; 88; 31Eta CMA ; 2.45; 20000;occ; 94; 0;34374
8; 5835.0; 26-SEP-2008 12:27:02; Dark ; 50.5; 23; 21Eps CMA ; 1.50; 26000;occ; 101; 0;34374
9; 5950.8; 26-SEP-2008 12:28:58; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;34374
10; 6078.9; 26-SEP-2008 12:31:06; Dark ; 41.0; 161; Tau Pup ; 2.93; 4500;occ; 82; 0;34374
11; 6904.7; 26-SEP-2008 12:44:52; Dark ; 51.0; 157; The1Eri ; 2.91; 9300;occ; 102; 0;34374
12; 7159.4; 26-SEP-2008 12:49:07; Dark ; 43.5; 84; Alp Phe ; 2.40; 4500;occ; 87; 0;34374
13; 7585.3; 26-SEP-2008 12:56:12; Dark ; 50.0; 52; 16Bet Cet ; 2.04; 4500;occ; 100; 0;34374
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3; 2968.6; 26-SEP-2008 13:19:52; Bright; 39.0; 74; 11Bet Cas ; 2.27; 6600;occ; 78; 0;34375
4; 3057.2; 26-SEP-2008 13:21:20; Bright; 40.5; 76; 27Gam Cas ; 2.30; 30000;occ; 81; 0;34375
5; 4586.1; 26-SEP-2008 13:46:49; Bright; 53.5; 17; 78Bet Gem ; 1.16; 4500;occ; 107; 0;34375
6; 5541.2; 26-SEP-2008 14:02:44; Dark ; 43.5; 132; 15Rho Pup ; 2.80; 6900;occ; 87; 0;34375
7; 5743.8; 26-SEP-2008 14:06:07; Dark ; 45.5; 88; 31Eta CMA ; 2.45; 20000;occ; 91; 0;34375
8; 5836.1; 26-SEP-2008 14:07:39; Dark ; 50.5; 23; 21Eps CMA ; 1.50; 26000;occ; 101; 0;34375
9; 5951.5; 26-SEP-2008 14:09:35; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;34375
10; 6079.6; 26-SEP-2008 14:11:43; Dark ; 40.5; 161; Tau Pup ; 2.93; 4500;occ; 81; 0;34375
11; 6905.6; 26-SEP-2008 14:25:29; Dark ; 52.0; 157; The1Eri ; 2.91; 9300;occ; 104; 0;34375
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3; 2387.9; 26-SEP-2008 14:50:47; Bright; 38.0; 93; 53Bet Peg ; 2.52; 3100;occ; 76; 0;34376
4; 2968.3; 26-SEP-2008 15:00:27; Bright; 36.0; 74; 11Bet Cas ; 2.27; 6600;occ; 72; 0;34376
5; 3056.8; 26-SEP-2008 15:01:56; Bright; 40.5; 76; 27Gam Cas ; 2.30; 30000;occ; 81; 0;34376
6; 4586.4; 26-SEP-2008 15:27:25; Bright; 52.5; 17; 78Bet Gem ; 1.16; 4500;occ; 105; 0;34376
7; 5541.9; 26-SEP-2008 15:43:21; Dark ; 42.5; 132; 15Rho Pup ; 2.80; 6900;occ; 85; 0;34376
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4; 2387.8; 26-SEP-2008 16:31:23; Bright; 38.0; 93; 53Bet Peg ; 2.52; 3100;occ; 76; 0;34377
5; 2968.0; 26-SEP-2008 16:41:03; Bright; 39.0; 74; 11Bet Cas ; 2.27; 6600;occ; 78; 0;34377
6; 3056.3; 26-SEP-2008 16:42:31; Bright; 41.0; 76; 27Gam Cas ; 2.30; 30000;occ; 82; 0;34377
7; 4586.5; 26-SEP-2008 17:08:01; Bright; 53.5; 17; 78Bet Gem ; 1.16; 4500;occ; 107; 0;34377
8; 5542.6; 26-SEP-2008 17:23:58; Dark ; 47.0; 132; 15Rho Pup ; 2.80; 6900;occ; 94; 0;34377
9; 5745.7; 26-SEP-2008 17:27:21; Dark ; 44.5; 88; 31Eta CMA ; 2.45; 20000;occ; 89; 0;34377
10; 5838.5; 26-SEP-2008 17:28:53; Dark ; 51.0; 23; 21Eps CMA ; 1.50; 26000;occ; 102; 0;34377
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12; 6081.1; 26-SEP-2008 17:32:56; Dark ; 44.5; 161; Tau Pup ; 2.93; 4500;occ; 89; 0;34377
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4; 2387.7; 26-SEP-2008 18:11:59; Bright; 39.0; 93; 53Bet Peg ; 2.52; 3100;occ; 78; 0;34378
5; 2967.6; 26-SEP-2008 18:21:39; Bright; 39.0; 74; 11Bet Cas ; 2.27; 6600;occ; 78; 0;34378
6; 3055.8; 26-SEP-2008 18:23:07; Bright; 40.5; 76; 27Gam Cas ; 2.30; 30000;occ; 81; 0;34378
7; 4586.8; 26-SEP-2008 18:48:38; Bright; 55.0; 17; 78Bet Gem ; 1.16; 4500;occ; 110; 0;34378
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9; 5746.6; 26-SEP-2008 19:07:58; Dark ; 45.0; 88; 31Eta CMA ; 2.45; 20000;occ; 90; 0;34378
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3; 2166.5; 27-SEP-2008 20:57:52; Bright; 37.0; 90; 54Alp Peg ; 2.49; 11000;occ; 74; 0;34394
4; 2386.9; 27-SEP-2008 21:01:33; Bright; 38.0; 93; 53Bet Peg ; 2.52; 3100;occ; 76; 0;34394
5; 2962.8; 27-SEP-2008 21:11:09; Bright; 38.5; 74; 11Bet Cas ; 2.27; 6600;occ; 77; 0;34394

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7; 3429.1; 27-SEP-2008 21:18:55; Bright; 36.5; 49; 1Alp UMi ; 1.99; 6300;occ; 73; 0;34394
8; 3900.5; 27-SEP-2008 21:26:46; Bright; 34.5; 36; 50Alp UMa ; 1.80; 6300;occ; 69; 0;34394
9; 3990.0; 27-SEP-2008 21:28:16; Bright; 33.5; 82; 48Bet UMa ; 2.37; 10600;occ; 67; 0;34394
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3; 1069.3; 27-SEP-2008 07:14:48; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;34386
4; 1586.4; 27-SEP-2008 07:23:25; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;34386
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3; 1948.4; 27-SEP-2008 07:29:27; Bright; 59.5; 0; ; 0.00; 0;occ; 119; 0;34386
4; 2053.1; 27-SEP-2008 07:31:11; Bright; 59.5; 0; ; 0.00; 0;occ; 119; 0;34386
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6; 2630.7; 27-SEP-2008 07:40:49; Bright; 59.5; 0; ; 0.00; 0;occ; 119; 0;34386
7; 2869.5; 27-SEP-2008 07:44:48; Bright; 59.5; 0; ; 0.00; 0;occ; 119; 0;34386
8; 3107.2; 27-SEP-2008 07:48:46; Bright; 59.5; 0; ; 0.00; 0;occ; 119; 0;34386
9; 3278.0; 27-SEP-2008 07:51:36; Bright; 59.5; 0; ; 0.00; 0;occ; 119; 0;34386
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19; 6306.2; 27-SEP-2008 08:42:05; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;34386
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21; 7105.6; 27-SEP-2008 08:55:24; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;34386
22; 7622.4; 27-SEP-2008 09:04:01; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;34386
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3; 1947.4; 27-SEP-2008 09:10:02; Bright; 59.5; 0; ; 0.00; 0;occ; 119; 0;34387
4; 2053.1; 27-SEP-2008 09:11:47; Bright; 59.5; 0; ; 0.00; 0;occ; 119; 0;34387
5; 2361.5; 27-SEP-2008 09:16:56; Bright; 59.5; 0; ; 0.00; 0;occ; 119; 0;34387
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7; 2870.4; 27-SEP-2008 09:25:25; Bright; 59.5; 0; ; 0.00; 0;occ; 119; 0;34387
8; 3107.3; 27-SEP-2008 09:29:22; Bright; 59.5; 0; ; 0.00; 0;occ; 119; 0;34387
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11; 3531.8; 27-SEP-2008 09:36:26; Bright; 59.5; 0; ; 0.00; 0;occ; 119; 0;34387
12; 4012.0; 27-SEP-2008 09:44:26; Bright; 59.5; 0; ; 0.00; 0;occ; 119; 0;34387
13; 4278.7; 27-SEP-2008 09:48:53; Bright; 59.5; 0; ; 0.00; 0;occ; 119; 0;34387
14; 4732.6; 27-SEP-2008 09:56:27; Bright; 59.5; 0; ; 0.00; 0;occ; 119; 0;34387
15; 5000.2; 27-SEP-2008 10:00:55; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;34387
16; 5230.7; 27-SEP-2008 10:04:45; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;34387
17; 5500.5; 27-SEP-2008 10:09:15; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;34387
18; 5813.8; 27-SEP-2008 10:14:28; Dark ; 59.0; 0; ; 0.00; 0;occ; 118; 0;34387
19; 6784.3; 27-SEP-2008 10:30:39; Dark ; 105.0; 9; Alp Eri ; 0.45; 24000;occ; 210; 0;34387
20; 7110.1; 27-SEP-2008 10:36:04; Dark ; 94.5; 84; Alp Phe ; 2.40; 4500;occ; 189; 0;34387
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3; 2909.5; 27-SEP-2008 11:06:40; Bright; 98.5; 68; 18Alp Cas ; 2.22; 4500;occ; 197; 0;34388
4; 3377.4; 27-SEP-2008 11:14:28; Bright; 88.5; 49; 1Alp UMi ; 1.99; 6300;occ; 177; 0;34388
5; 3849.2; 27-SEP-2008 11:22:19; Bright; 84.0; 36; 50Alp UMa ; 1.80; 6300;occ; 168; 0;34388
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4; 3045.1; 28-SEP-2008 12:17:54; Bright; 41.5; 76; 27Gam Cas ; 2.30; 30000;occ; 83; 0;34403
5; 3429.0; 28-SEP-2008 12:24:18; Bright; 37.0; 49; 1Alp UMi ; 1.99; 6300;occ; 74; 0;34403
6; 3901.8; 28-SEP-2008 12:32:11; Bright; 36.5; 36; 50Alp UMA ; 1.80; 6300;occ; 73; 0;34403
7; 3991.4; 28-SEP-2008 12:33:41; Bright; 35.5; 82; 48Bet UMA ; 2.37; 10600;occ; 71; 0;34403
8; 4581.6; 28-SEP-2008 12:43:31; Bright; 33.5; 166; 17Eps Leo ; 2.98; 6000;occ; 67; 0;34403
9; 5149.5; 28-SEP-2008 12:52:59; Dark ; 45.0; 48; 30Alp Hya ; 1.98; 4100;occ; 90; 0;34403
10; 5561.7; 28-SEP-2008 12:59:51; Dark ; 44.5; 132; 15Rho Pup ; 2.80; 6900;occ; 89; 0;34403
11; 5730.5; 28-SEP-2008 13:02:40; Dark ; 44.5; 65; Lam Vel ; 2.20; 4400;occ; 89; 0;34403
12; 5880.3; 28-SEP-2008 13:05:09; Dark ; 39.0; 34; Gam2Vel ; 1.79; 23000;occ; 78; 0;34403
13; 5971.2; 28-SEP-2008 13:06:40; Dark ; 59.0; 0; ; 0.00; 0;occ; 118; 0;34403
14; 6099.5; 28-SEP-2008 13:08:49; Dark ; 42.5; 161; Tau Pup ; 2.93; 4500;occ; 85; 0;34403

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 5; 79.7; 30-SEP-2008 02:02:15; Dark ; 43.5; 161; Tau Pup ; 2.93; 4500;occ; 87; 0;34426  
 6; 163.8; 30-SEP-2008 02:03:39; Dark ; 50.5; 2; Alp Car ; -0.74; 7000;occ; 101; 0;34426  
 7; 728.4; 30-SEP-2008 02:13:04; Dark ; 39.0; 143; Alp Hyi ; 2.86; 7200;occ; 78; 0;34426  
 8; 816.1; 30-SEP-2008 02:14:32; Dark ; 43.5; 9; Alp Eri ; 0.45; 24000;occ; 87; 0;34426  
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14; 5897.6; 30-SEP-2008 18:44:37; Dark ; 40.0; 34; Gam2Vel ; 1.79; 23000;occ; 80; 0;34435
15; 5994.7; 30-SEP-2008 18:46:14; Dark ; 59.0; 0; ; 0.00; 0;occ; 118; 0;34435
16; 6123.2; 30-SEP-2008 18:48:22; Dark ; 41.5; 161; Tau Pup ; 2.93; 4500;occ; 83; 0;34435
17; 6207.4; 30-SEP-2008 18:49:46; Dark ; 45.5; 2; Alp Car ; -0.74; 7000;occ; 91; 0;34435
18; 6768.4; 30-SEP-2008 18:59:07; Dark ; 39.5; 143; Alp Hyi ; 2.86; 7200;occ; 79; 0;34435
19; 6856.1; 30-SEP-2008 19:00:35; Dark ; 50.0; 9; Alp Eri ; 0.45; 24000;occ; 100; 0;34435
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1; 1141.7; 30-SEP-2008 19:05:57; Dark ; 42.5; 84; Alp Phe ; 2.40; 4500;occ; 85; 0;34436
2; 1557.7; 30-SEP-2008 19:12:53; Dark ; 48.0; 52; 16Bet Cet ; 2.04; 4500;occ; 96; 0;34436
3; 2167.9; 30-SEP-2008 19:23:03; Bright; 37.0; 90; 54Alp Peg ; 2.49; 11000;occ; 74; 0;34436
4; 2386.2; 30-SEP-2008 19:26:41; Bright; 35.0; 93; 53Bet Peg ; 2.52; 3100;occ; 70; 0;34436
5; 2951.2; 30-SEP-2008 19:36:06; Bright; 38.5; 74; 11Bet Cas ; 2.27; 6600;occ; 77; 0;34436
6; 3031.7; 30-SEP-2008 19:37:27; Bright; 40.5; 76; 27Gam Cas ; 2.30; 30000;occ; 81; 0;34436
7; 3428.6; 30-SEP-2008 19:44:04; Bright; 36.5; 49; 1Alp UMi ; 1.99; 6300;occ; 73; 0;34436
8; 3905.7; 30-SEP-2008 19:52:01; Bright; 36.5; 36; 50Alp UMA ; 1.80; 6300;occ; 73; 0;34436
9; 3995.8; 30-SEP-2008 19:53:31; Bright; 35.5; 82; 48Bet UMA ; 2.37; 10600;occ; 71; 0;34436
10; 4588.0; 30-SEP-2008 20:03:23; Bright; 35.5; 166; 17Eps Leo ; 2.98; 6000;occ; 71; 0;34436
11; 5161.9; 30-SEP-2008 20:12:57; Dark ; 49.5; 48; 30Alp Hya ; 1.98; 4100;occ; 99; 0;34436
12; 5742.5; 30-SEP-2008 20:22:38; Dark ; 43.5; 65; Lam Vel ; 2.20; 4400;occ; 87; 0;34436
13; 5898.1; 30-SEP-2008 20:25:13; Dark ; 40.0; 34; Gam2Vel ; 1.79; 23000;occ; 80; 0;34436
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17; 6768.6; 30-SEP-2008 20:39:44; Dark ; 37.5; 143; Alp Hyi ; 2.86; 7200;occ; 75; 0;34436
18; 6856.3; 30-SEP-2008 20:41:11; Dark ; 40.0; 9; Alp Eri ; 0.45; 24000;occ; 80; 0;34436

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