

# GOMOS Daily Report 09-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	11SEP2008 05:39:28
Data source version	GOMOS/5.00
Start time of products	09SEP2008 20:05:21
Stop time of products	09SEP2008 23:57:56
Store outputs in DB	Yes
Nb of level 1b prods	41
Nb of prods with errors	0

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

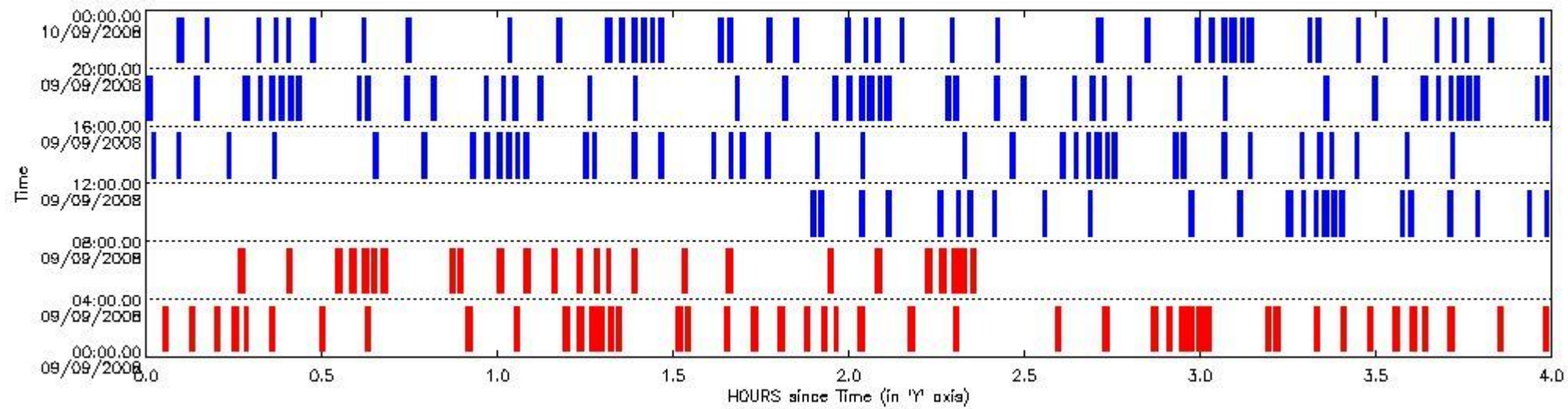
### 2.1 Level 0 products arrived in PCF (see template [here](#))

### 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)

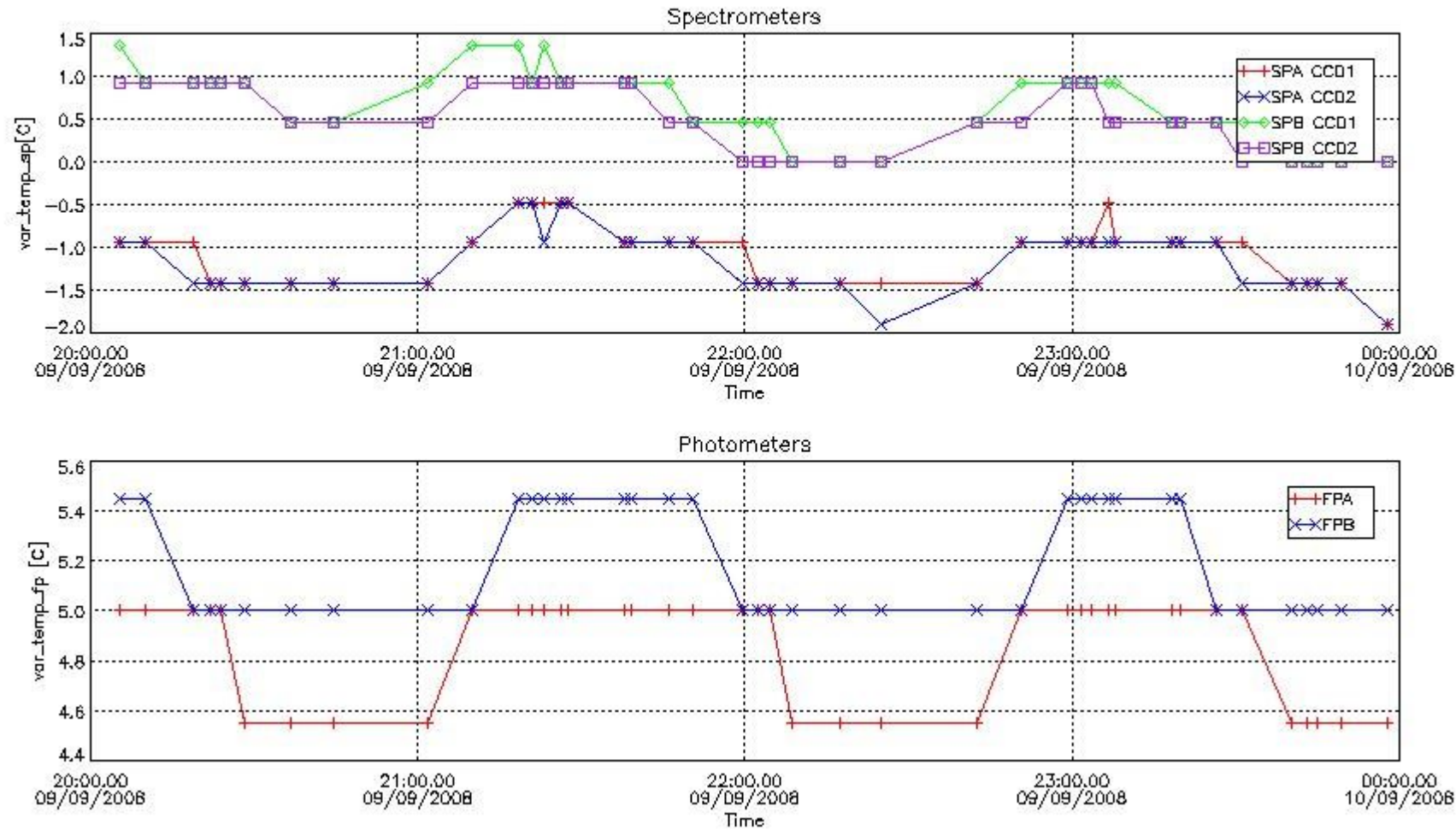
UTC start time	Star name	Star ID	Orbit
09-SEP-2008 00:02:45	24AlpPsA	18	34124
09-SEP-2008 00:07:22	49DelCap	142	34124
09-SEP-2008 00:11:43	34AlpAqr	162	34124
09-SEP-2008 00:14:41	8EpsPeg	61	34124
09-SEP-2008 00:16:47	54AlpPeg	90	34124
09-SEP-2008 00:21:01	44EtaPeg	164	34124
09-SEP-2008 00:29:35	5AlpCep	89	34124
09-SEP-2008 00:37:18	1AlpUMi	49	34124
09-SEP-2008 00:54:34	66AlpGem	24	34124
09-SEP-2008 01:02:43	10AlpCMi	8	34124
09-SEP-2008 01:11:05	9AlpCMa	1	34124
09-SEP-2008 01:13:36	21EpsCMa	23	34124
09-SEP-2008 01:15:41	1ZetCMa	177	34124
09-SEP-2008 01:17:08	DSA1059	0	34124
09-SEP-2008 01:18:54	TauPup	161	34124

09-SEP-2008 01:20:09	AlpCar	2	34124
09-SEP-2008 01:30:32	AlpHyi	143	34125
09-SEP-2008 01:31:55	AlpEri	9	34125
09-SEP-2008 01:38:46	BetGru	63	34125
09-SEP-2008 01:43:21	24AlpPsA	18	34125
09-SEP-2008 01:47:58	49DelCap	142	34125
09-SEP-2008 01:52:19	34AlpAqr	162	34125
09-SEP-2008 01:55:17	8EpsPeg	61	34125
09-SEP-2008 01:57:23	54AlpPeg	90	34125
09-SEP-2008 02:01:37	44EtaPeg	164	34125
09-SEP-2008 02:10:11	5AlpCep	89	34125
09-SEP-2008 02:17:54	1AlpUMi	49	34125
09-SEP-2008 02:35:10	66AlpGem	24	34125
09-SEP-2008 02:43:19	10AlpCMi	8	34125
09-SEP-2008 02:51:42	9AlpCMa	1	34125
09-SEP-2008 02:54:12	21EpsCMa	23	34125
09-SEP-2008 02:56:18	1ZetCMa	177	34125
09-SEP-2008 02:57:45	DSA1059	0	34125
09-SEP-2008 02:59:30	TauPup	161	34125
09-SEP-2008 03:00:45	AlpCar	2	34125
09-SEP-2008 03:11:09	AlpHyi	143	34126
09-SEP-2008 03:12:31	AlpEri	9	34126
09-SEP-2008 03:19:22	BetGru	63	34126
09-SEP-2008 03:23:57	24AlpPsA	18	34126
09-SEP-2008 03:28:34	49DelCap	142	34126
09-SEP-2008 03:32:55	34AlpAqr	162	34126
09-SEP-2008 03:35:53	8EpsPeg	61	34126
09-SEP-2008 03:37:58	54AlpPeg	90	34126
09-SEP-2008 03:42:12	44EtaPeg	164	34126
09-SEP-2008 03:50:47	5AlpCep	89	34126
09-SEP-2008 03:58:30	1AlpUMi	49	34126
09-SEP-2008 04:15:46	66AlpGem	24	34126
09-SEP-2008 04:23:56	10AlpCMi	8	34126
09-SEP-2008 04:32:19	9AlpCMa	1	34126
09-SEP-2008 04:34:49	21EpsCMa	23	34126
09-SEP-2008 04:36:54	1ZetCMa	177	34126
09-SEP-2008 04:38:22	DSA1059	0	34126
09-SEP-2008 04:40:07	TauPup	161	34126
09-SEP-2008 04:51:45	AlpHyi	143	34127
09-SEP-2008 04:53:08	AlpEri	9	34127
09-SEP-2008 04:59:58	BetGru	63	34127
09-SEP-2008 05:04:33	24AlpPsA	18	34127
09-SEP-2008 05:09:10	49DelCap	142	34127
09-SEP-2008 05:13:31	34AlpAqr	162	34127
09-SEP-2008 05:16:29	8EpsPeg	61	34127
09-SEP-2008 05:18:34	54AlpPeg	90	34127
09-SEP-2008 05:22:48	44EtaPeg	164	34127
09-SEP-2008 05:31:22	5AlpCep	89	34127
09-SEP-2008 05:39:06	1AlpUMi	49	34127
09-SEP-2008 05:56:22	66AlpGem	24	34127
09-SEP-2008 06:04:32	10AlpCMi	8	34127
09-SEP-2008 06:12:55	9AlpCMa	1	34127
09-SEP-2008 06:15:25	21EpsCMa	23	34127
09-SEP-2008 06:17:31	1ZetCMa	177	34127
09-SEP-2008 06:18:58	DSA1059	0	34127
09-SEP-2008 06:20:43	TauPup	161	34127

Nr	Filename	UTC Start time	Limb	Duration	Star Id	Star Name	Star Mag	Star Temp	Nb Meas	Orbit	Prod. error
1	GOM_TRA_1PNPDE20080909_200521_000000512072_00014_34136_6489.N1	09-SEP-2008 20:05:21	Straylight	51.000	63	Bet Gru	2.1500	2800.0	102	34136	No
2	GOM_TRA_1PNPDE20080909_200957_000000422072_00014_34136_6490.N1	09-SEP-2008 20:09:57	Straylight	42.000	18	24Alp PsA	1.1660	9700.0	84	34136	No
3	GOM_TRA_1PNPDE20080909_201853_000000382072_00014_34136_6491.N1	09-SEP-2008 20:18:53	Bright	37.500	162	34Alp Aqr	2.9440	5350.0	75	34136	No
4	GOM_TRA_1PNPDE20080909_202152_000000372072_00014_34136_6492.N1	09-SEP-2008 20:21:52	Bright	37.000	61	8Eps Peg	2.1000	3900.0	74	34136	No
5	GOM_TRA_1PNPDE20080909_202353_000000422072_00014_34136_6493.N1	09-SEP-2008 20:23:53	Bright	42.000	90	54Alp Peg	2.4870	11000.	84	34136	No
6	GOM_TRA_1PNPDE20080909_202807_000000402072_00014_34136_6494.N1	09-SEP-2008 20:28:07	Bright	39.500	164	44Eta Peg	2.9480	5400.0	79	34136	No
7	GOM_TRA_1PNPDE20080909_203644_000000362072_00014_34136_6495.N1	09-SEP-2008 20:36:44	Bright	35.500	89	5Alp Cep	2.4510	8000.0	71	34136	No
8	GOM_TRA_1PNPDE20080909_204427_000000372072_00014_34136_6496.N1	09-SEP-2008 20:44:27	Bright	36.500	49	1Alp UMi	1.9900	6300.0	73	34136	No
9	GOM_TRA_1PNPDE20080909_210145_000000412072_00014_34136_6497.N1	09-SEP-2008 21:01:45	Bright	40.500	24	66Alp Gem	1.5800	10200.	81	34136	No
10	GOM_TRA_1PNPDE20080909_210957_000000502072_00014_34136_6498.N1	09-SEP-2008 21:09:57	Twilight	49.500	8	10Alp CMi	0.40000	6500.0	99	34136	No
11	GOM_TRA_1PNPDE20080909_211825_000000562072_00014_34136_6636.N1	09-SEP-2008 21:18:25	Dark	56.000	1	9Alp CMa	-1.4400	11000.	112	34136	No
12	GOM_TRA_1PNPDE20080909_212053_000000452072_00014_34136_6637.N1	09-SEP-2008 21:20:53	Dark	44.500	23	21Eps CMa	1.5020	26000.	89	34136	No
13	GOM_TRA_1PNPDE20080909_212301_000000442072_00014_34136_6638.N1	09-SEP-2008 21:23:01	Dark	43.500	177	1Zet CMa	3.0220	26000.	87	34136	No
14	GOM_TRA_1PNPDE20080909_212609_000000402072_00014_34136_6639.N1	09-SEP-2008 21:26:09	Dark	39.500	161	Tau Pup	2.9310	4500.0	79	34136	No
15	GOM_TRA_1PNPDE20080909_212725_000000522072_00014_34136_6640.N1	09-SEP-2008 21:27:25	Dark	51.500	2	Alp Car	-0.73600	7000.0	103	34136	No
16	GOM_TRA_1PNPDE20080909_213748_000000412072_00015_34137_6641.N1	09-SEP-2008 21:37:48	Dark	40.500	143	Alp Hyi	2.8570	7200.0	81	34137	No
17	GOM_TRA_1PNPDE20080909_213911_000000532072_00015_34137_6642.N1	09-SEP-2008 21:39:11	Dark	52.500	9	Alp Eri	0.45300	24000.	105	34137	No
18	GOM_TRA_1PNPDE20080909_214558_000000442072_00015_34137_6643.N1	09-SEP-2008 21:45:58	Straylight	44.000	63	Bet Gru	2.1500	2800.0	88	34137	No
19	GOM_TRA_1PNPDE20080909_215033_000000422072_00015_34137_6644.N1	09-SEP-2008 21:50:33	Straylight	41.500	18	24Alp PsA	1.1660	9700.0	83	34137	No
20	GOM_TRA_1PNPDE20080909_215929_000000372072_00015_34137_6645.N1	09-SEP-2008 21:59:29	Bright	36.500	162	34Alp Aqr	2.9440	5350.0	73	34137	No
21	GOM_TRA_1PNPDE20080909_220227_000000382072_00015_34137_6646.N1	09-SEP-2008 22:02:27	Bright	37.500	61	8Eps Peg	2.1000	3900.0	75	34137	No
22	GOM_TRA_1PNPDE20080909_220429_000000432072_00015_34137_6647.N1	09-SEP-2008 22:04:29	Bright	43.000	90	54Alp Peg	2.4870	11000.	86	34137	No
23	GOM_TRA_1PNPDE20080909_220842_000000372072_00015_34137_6648.N1	09-SEP-2008 22:08:42	Bright	37.000	164	44Eta Peg	2.9480	5400.0	74	34137	No
24	GOM_TRA_1PNPDE20080909_221720_000000362072_00015_34137_6649.N1	09-SEP-2008 22:17:20	Bright	35.500	89	5Alp Cep	2.4510	8000.0	71	34137	No
25	GOM_TRA_1PNPDE20080909_222503_000000362072_00015_34137_6650.N1	09-SEP-2008 22:25:03	Bright	35.500	49	1Alp UMi	1.9900	6300.0	71	34137	No
26	GOM_TRA_1PNPDE20080909_224221_000000592072_00015_34137_6651.N1	09-SEP-2008 22:42:21	Bright	59.000	24	66Alp Gem	1.5800	10200.	118	34137	No
27	GOM_TRA_1PNPDE20080909_225034_000000542072_00015_34137_6652.N1	09-SEP-2008 22:50:34	Twilight	53.500	8	10Alp CMi	0.40000	6500.0	107	34137	No
28	GOM_TRA_1PNPDE20080909_225901_000000592072_00015_34137_6790.N1	09-SEP-2008 22:59:01	Dark	58.500	1	9Alp CMa	-1.4400	11000.	117	34137	No
29	GOM_TRA_1PNPDE20080909_230130_000000492072_00015_34137_6791.N1	09-SEP-2008 23:01:30	Dark	49.000	23	21Eps CMa	1.5020	26000.	98	34137	No
30	GOM_TRA_1PNPDE20080909_230338_000000442072_00015_34137_6792.N1	09-SEP-2008 23:03:38	Dark	44.000	177	1Zet CMa	3.0220	26000.	88	34137	No
31	GOM_TRA_1PNPDE20080909_230645_000000392072_00015_34137_6793.N1	09-SEP-2008 23:06:45	Dark	39.000	161	Tau Pup	2.9310	4500.0	78	34137	No
32	GOM_TRA_1PNPDE20080909_230801_000000552072_00015_34137_6794.N1	09-SEP-2008 23:08:01	Dark	55.000	2	Alp Car	-0.73600	7000.0	110	34137	No
33	GOM_TRA_1PNPDE20080909_231824_000000402072_00016_34138_6795.N1	09-SEP-2008 23:18:24	Dark	39.500	143	Alp Hyi	2.8570	7200.0	79	34138	No
34	GOM_TRA_1PNPDE20080909_231947_000000442072_00016_34138_6796.N1	09-SEP-2008 23:19:47	Dark	44.000	9	Alp Eri	0.45300	24000.	88	34138	No
35	GOM_TRA_1PNPDE20080909_232634_000000452072_00016_34138_6797.N1	09-SEP-2008 23:26:34	Straylight	45.000	63	Bet Gru	2.1500	2800.0	90	34138	No
36	GOM_TRA_1PNPDE20080909_233109_000000402072_00016_34138_6798.N1	09-SEP-2008 23:31:09	Straylight	39.500	18	24Alp PsA	1.1660	9700.0	79	34138	No
37	GOM_TRA_1PNPDE20080909_234004_000000372072_00016_34138_6799.N1	09-SEP-2008 23:40:04	Bright	37.000	162	34Alp Aqr	2.9440	5350.0	74	34138	No
38	GOM_TRA_1PNPDE20080909_234303_000000372072_00016_34138_6800.N1	09-SEP-2008 23:43:03	Bright	37.000	61	8Eps Peg	2.1000	3900.0	74	34138	No
39	GOM_TRA_1PNPDE20080909_234504_000000432072_00016_34138_6801.N1	09-SEP-2008 23:45:04	Bright	42.500	90	54Alp Peg	2.4870	11000.	85	34138	No
40	GOM_TRA_1PNPDE20080909_234918_000000412072_00016_34138_6802.N1	09-SEP-2008 23:49:18	Bright	40.500	164	44Eta Peg	2.9480	5400.0	81	34138	No
41	GOM_TRA_1PNPDE20080909_235756_000000342072_00016_34138_6803.N1	09-SEP-2008 23:57:56	Bright	34.000	89	5Alp Cep	2.4510	8000.0	68	34138	No

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





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

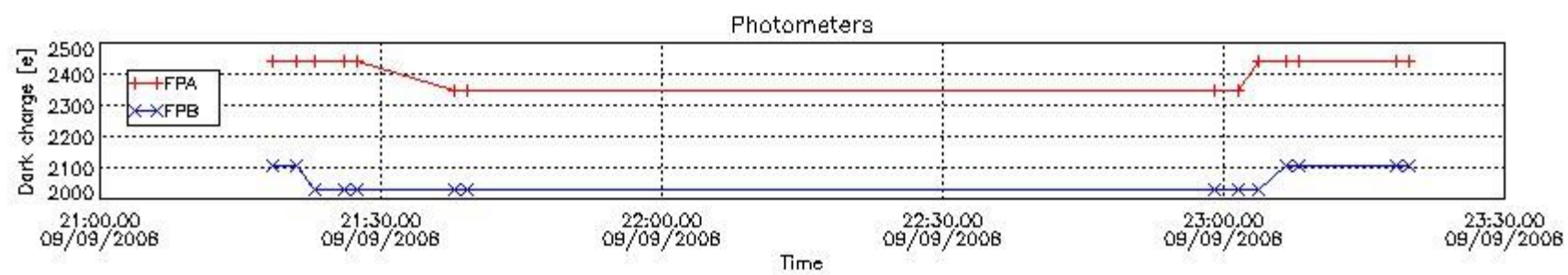
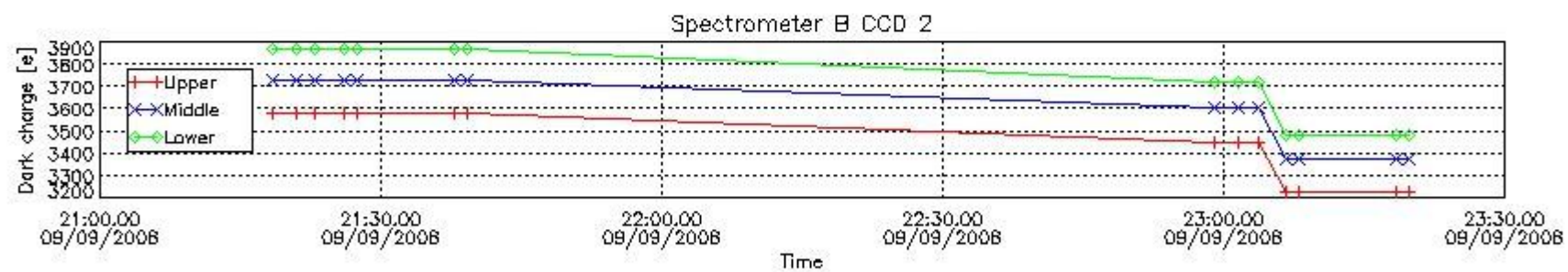
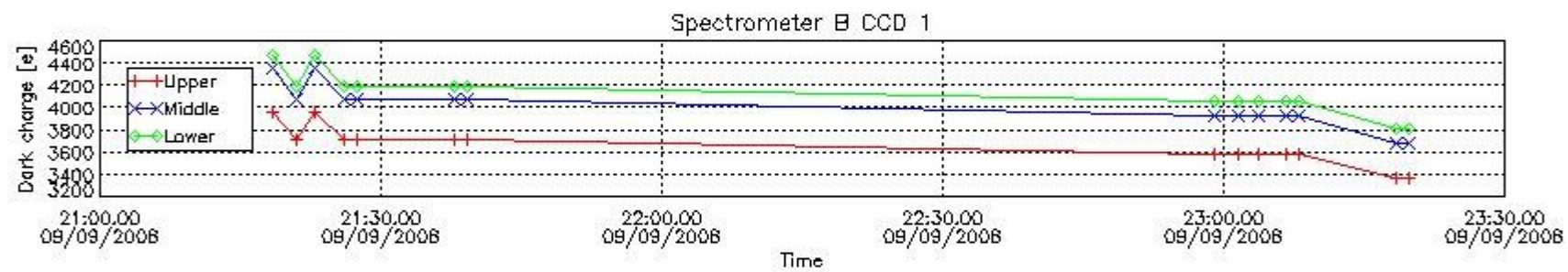
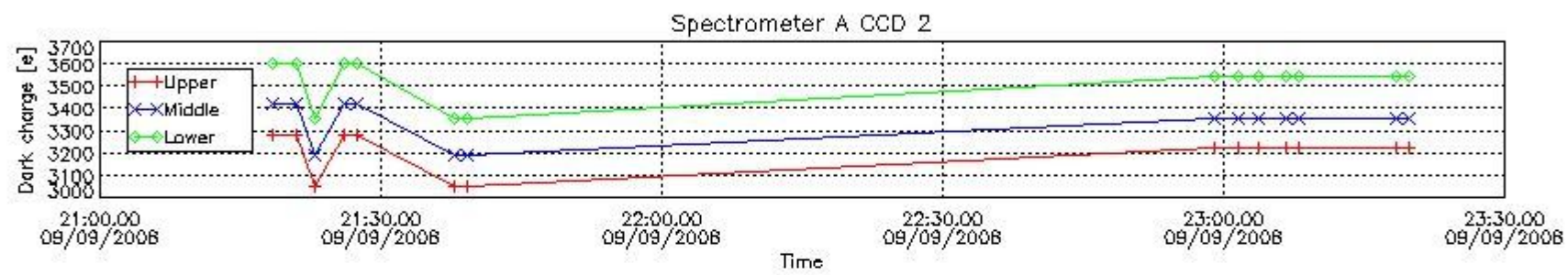
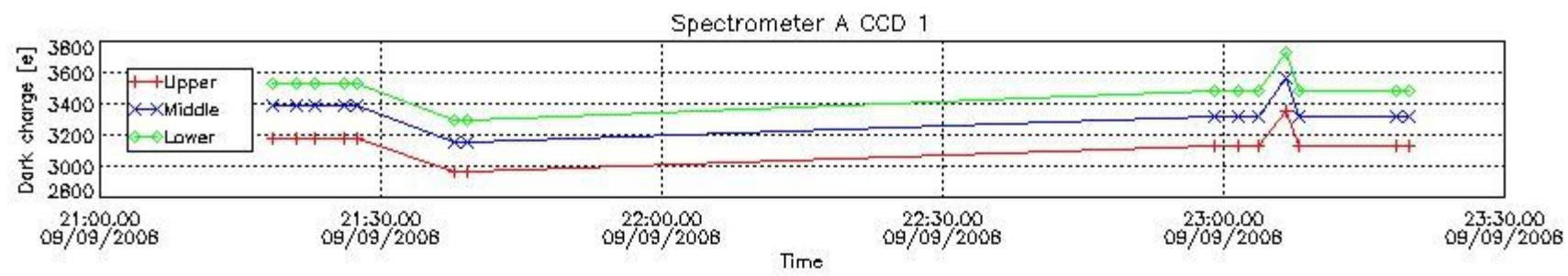
The Dark Charge (DC) is a temperature-dependant signal added to the useful measurements and it is therefore subtracted from them during the processing. There are two phenomena that produce a continuous increase of the DC: the "hot pixels" (a pixel is "hot" when its DC exceeds by a significant amount 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_1PNPDE20080909_200521_000000512072_00014_34136_6489.N1	DC map used
GOM_TRA_1PNPDE20080909_200957_000000422072_00014_34136_6490.N1	DC map used
GOM_TRA_1PNPDE20080909_201853_000000382072_00014_34136_6491.N1	DC map used
GOM_TRA_1PNPDE20080909_202152_000000372072_00014_34136_6492.N1	DC map used
GOM_TRA_1PNPDE20080909_202353_000000422072_00014_34136_6493.N1	DC map used
GOM_TRA_1PNPDE20080909_202807_000000402072_00014_34136_6494.N1	DC map used
GOM_TRA_1PNPDE20080909_203644_000000362072_00014_34136_6495.N1	DC map used
GOM_TRA_1PNPDE20080909_204427_000000372072_00014_34136_6496.N1	DC map used
GOM_TRA_1PNPDE20080909_210145_000000412072_00014_34136_6497.N1	DC map used
GOM_TRA_1PNPDE20080909_210957_000000502072_00014_34136_6498.N1	DC map used

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



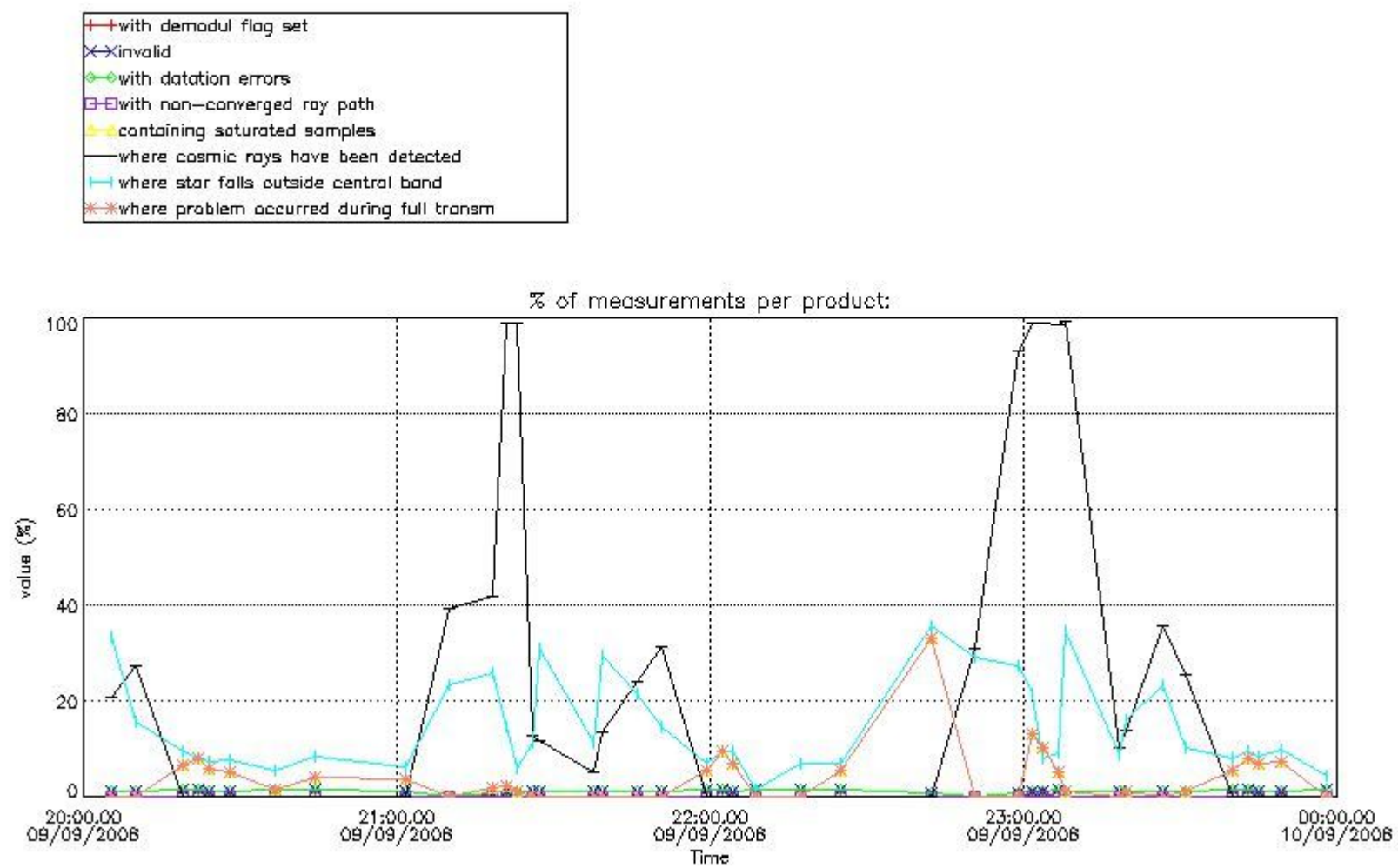
## 5. Demodulation flag and quality information monitoring

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:

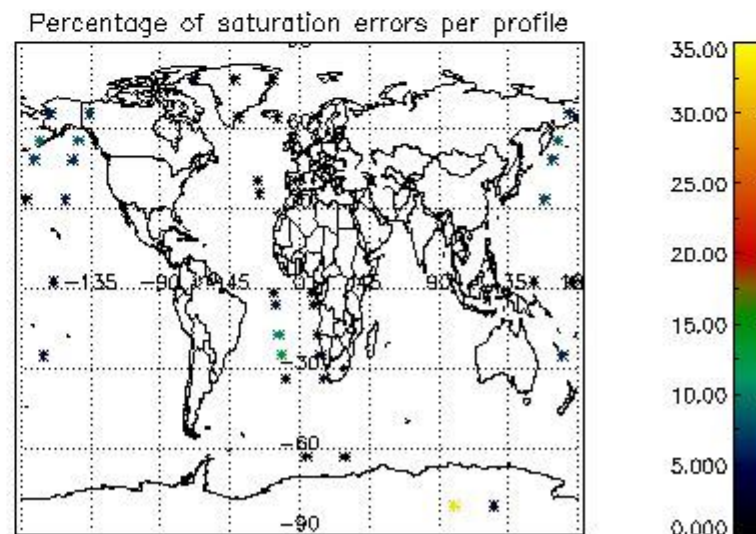
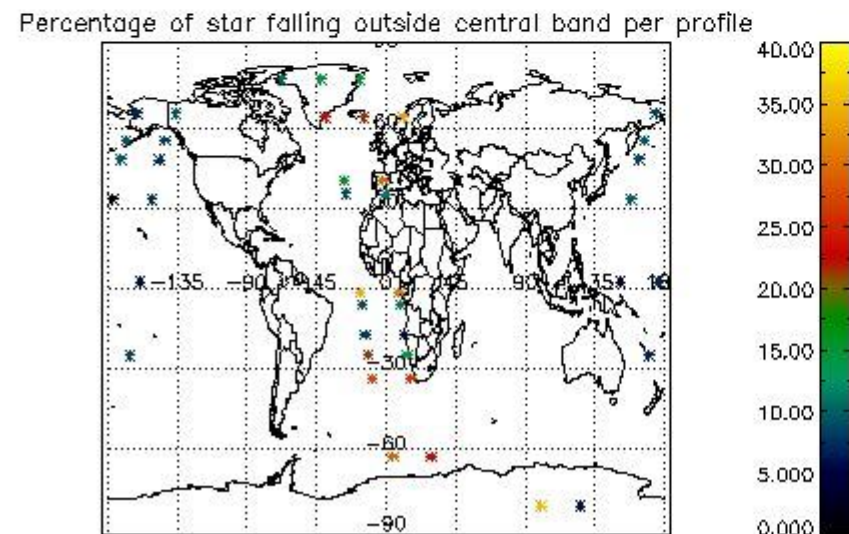
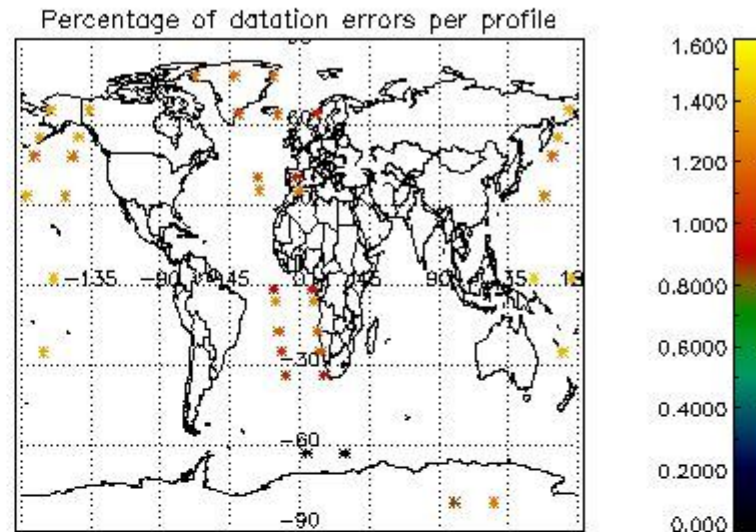
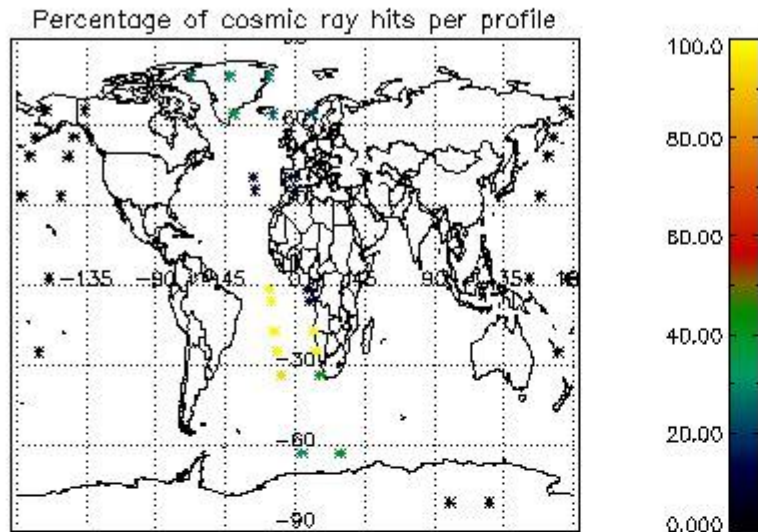
At least one measurement with demodulation flag set:	29.2683 %
Reference spectrum computed from DB:	0.00000 %
Reference spectrum with small number of measurements:	0.00000 %
SATU data not used:	0.00000 %

### 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)

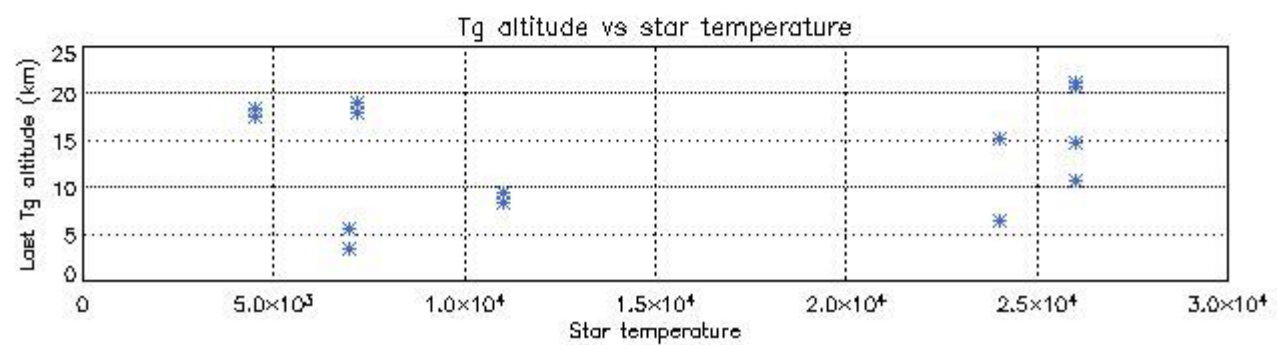
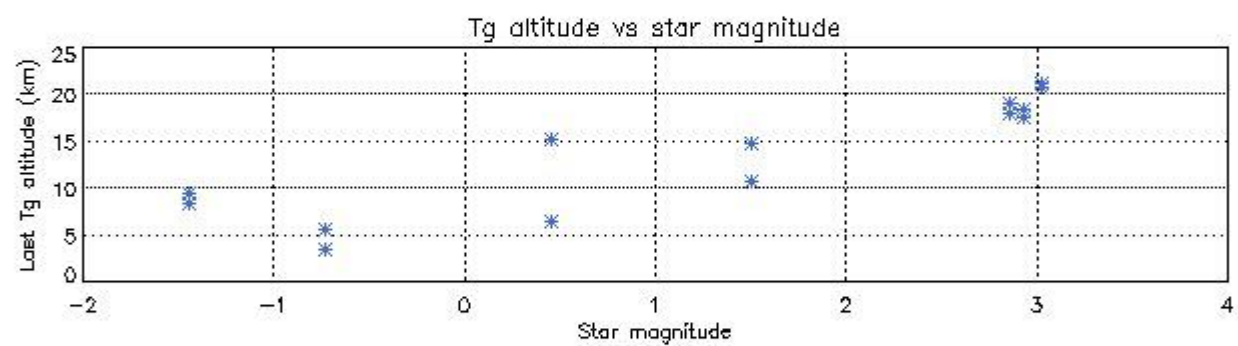
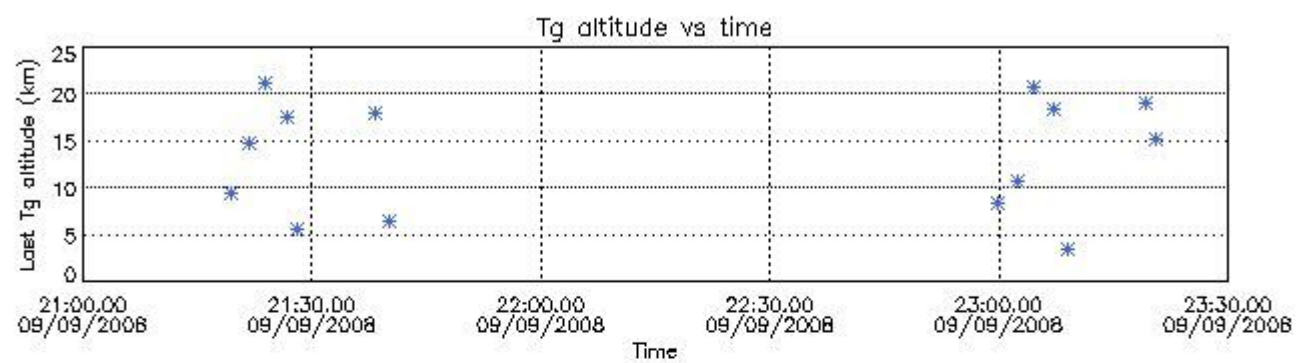
### 6.1 Statistics on tangent altitude lost:

Statistics	DARK	BRIGHT	TWILIGHT
Mean:	13.472	19.178	8.5425
St. deviation:	6.0253	4.2128	2.1357
Maximum:	21.260	25.090	10.053
Minimum:	3.4542	3.8706	7.0323
Number of data:	14.000	19.000	2.0000

### 6.2 Plot for DARK limb products

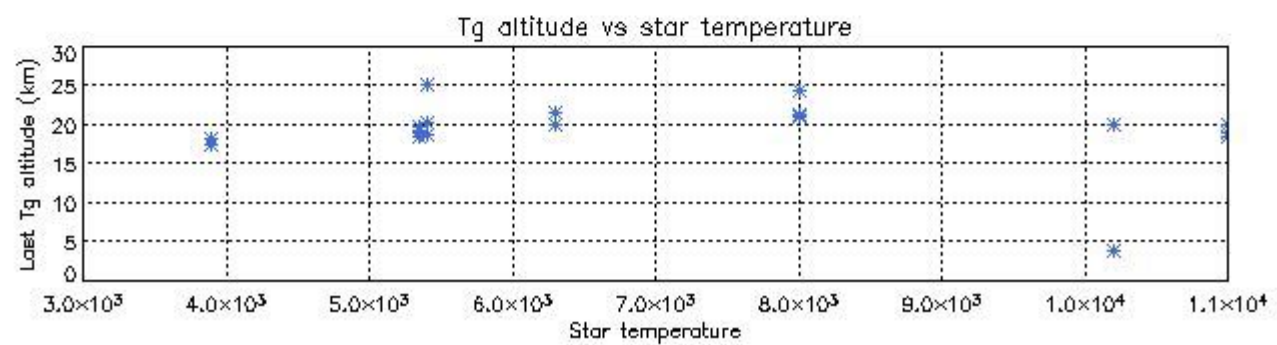
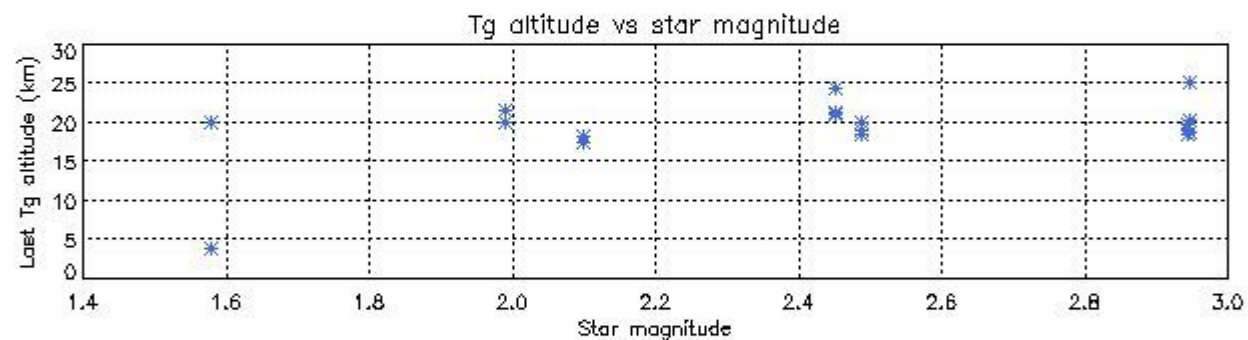
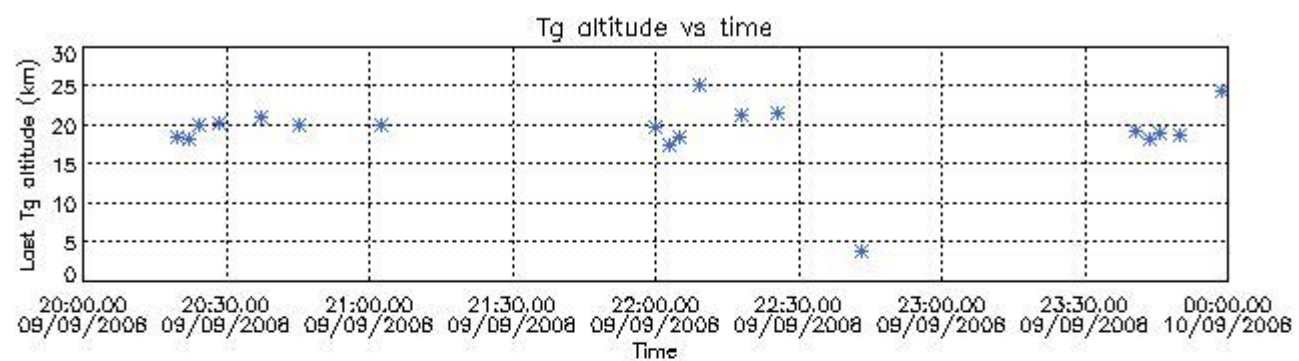


Tangent altitude at which the star is lost



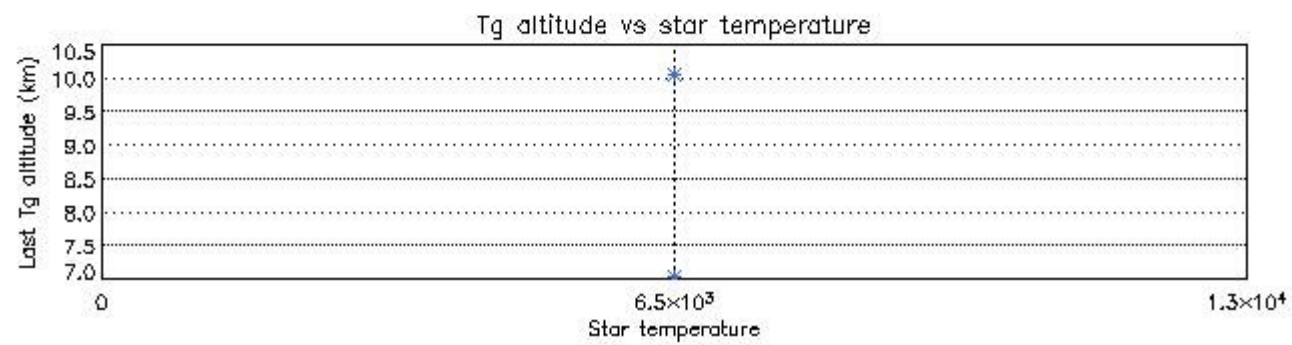
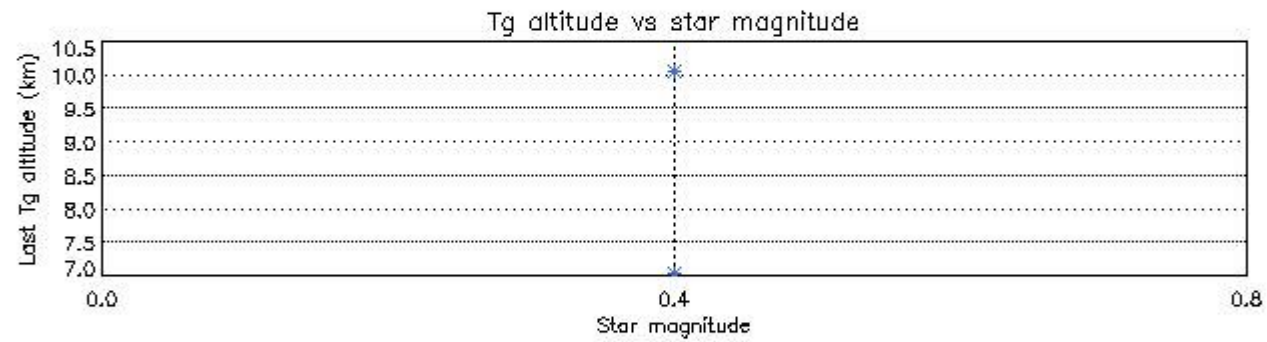
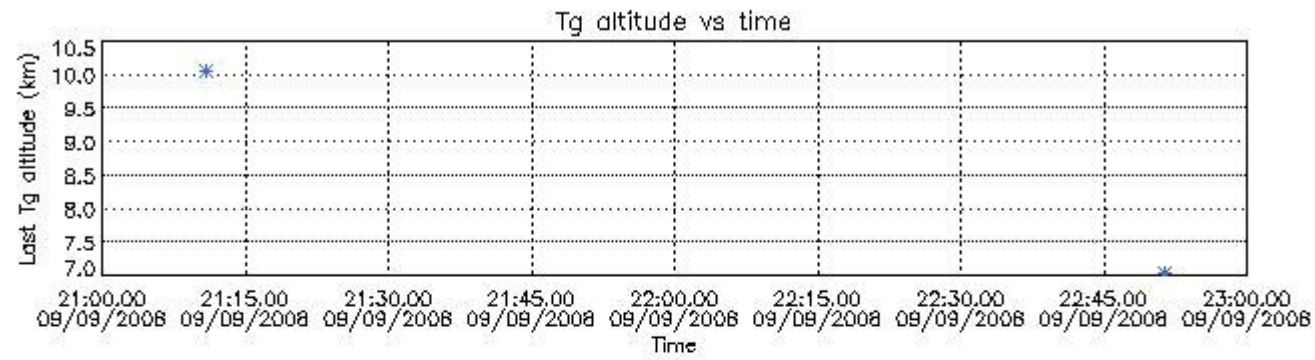
6.3 Plot for BRIGHT limb products

Tangent altitude at which the star is lost



6.3 Plot for TWILIGHT limb products

Tangent altitude at which the star is lost



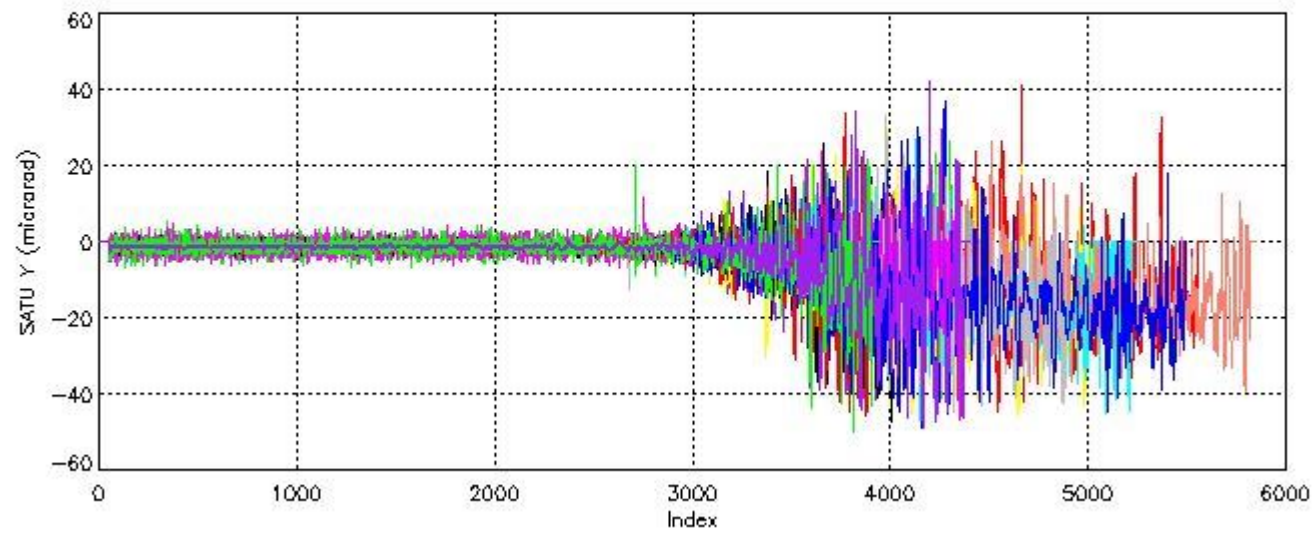
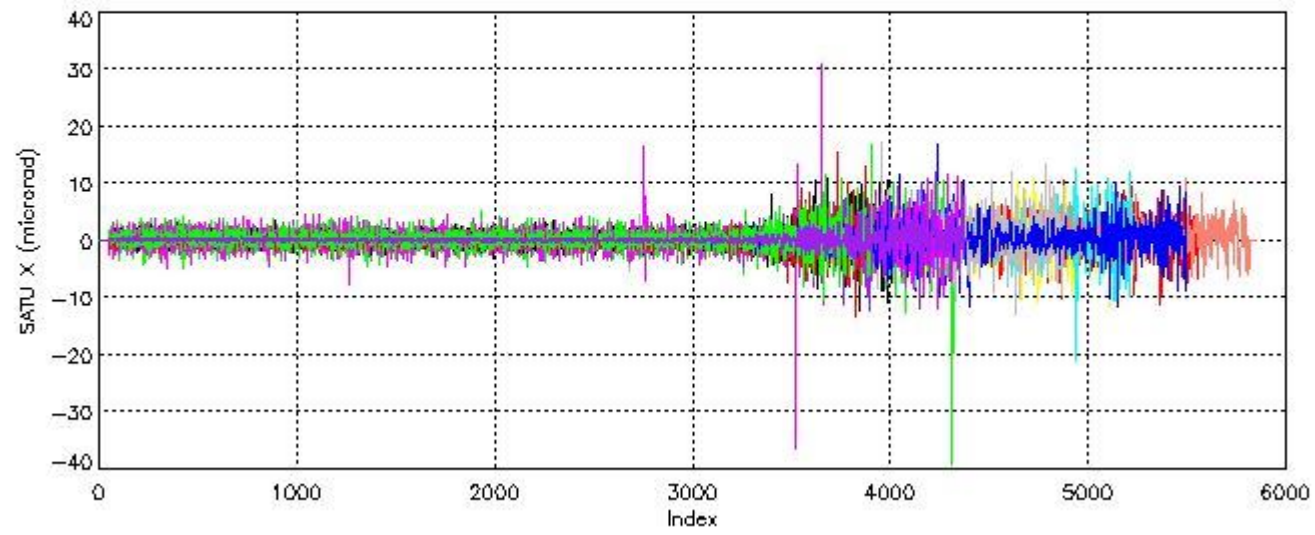
## 7. Star Acquisition and Tracking Unit (SATU)

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:	0.19130	-1.2566	0.16846	-1.3239
St. deviation:	0.53082	0.79559	0.73875	0.88868
Maximum:	4.6000	5.2000	4.5000	2.9000
Minimum:	-5.0000	-7.1000	-3.8000	-5.3000

Number of data:	13400.	13400.	16150.	16150.
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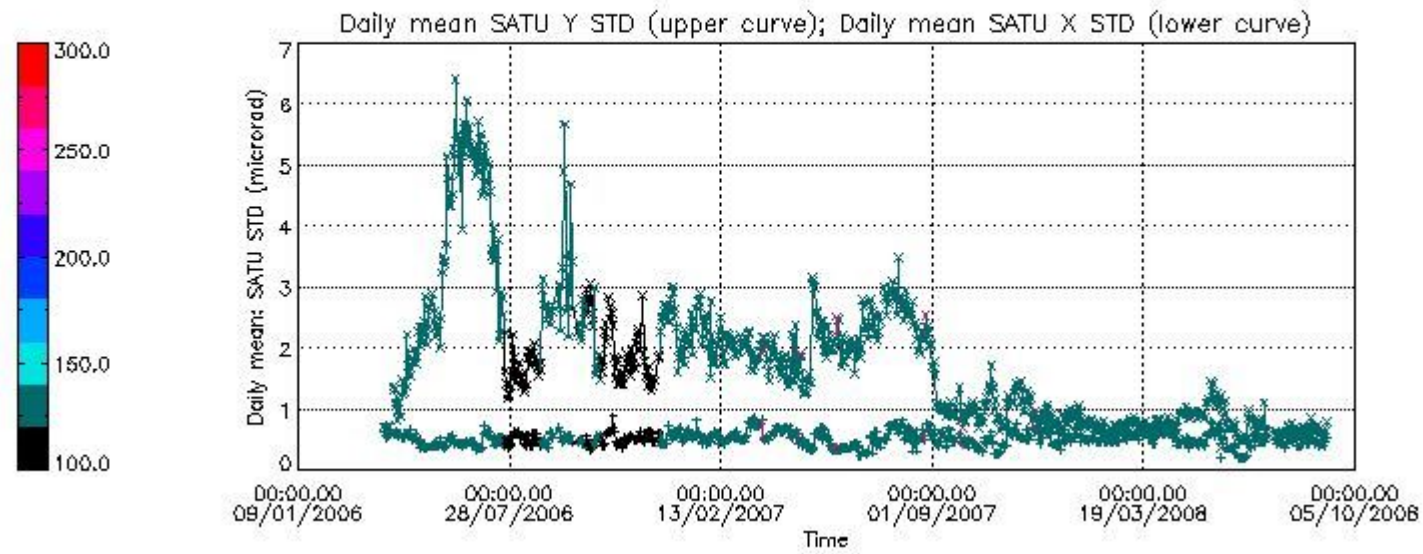
### 7.2.2 Trend of daily SATU NEA St. deviation since 1st April 2006 (dark limb)

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

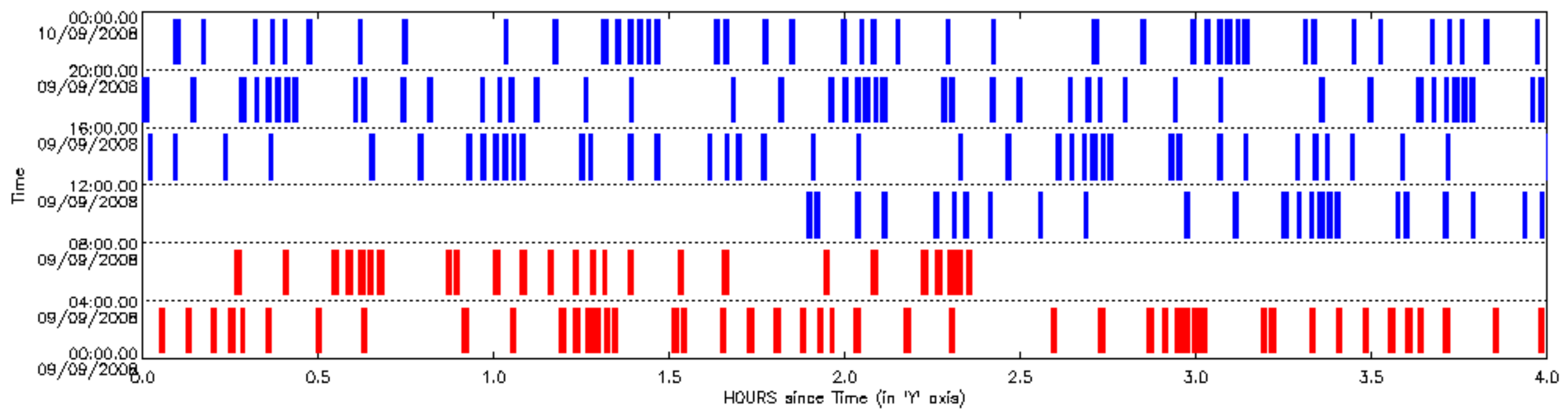
Lower curve: STD of SATU X axis



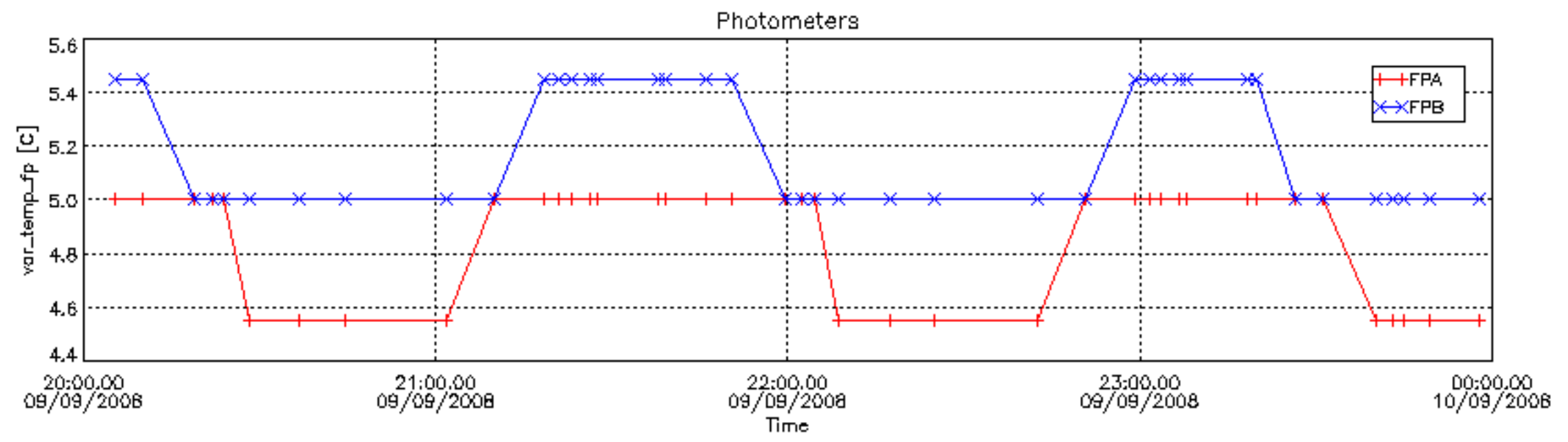
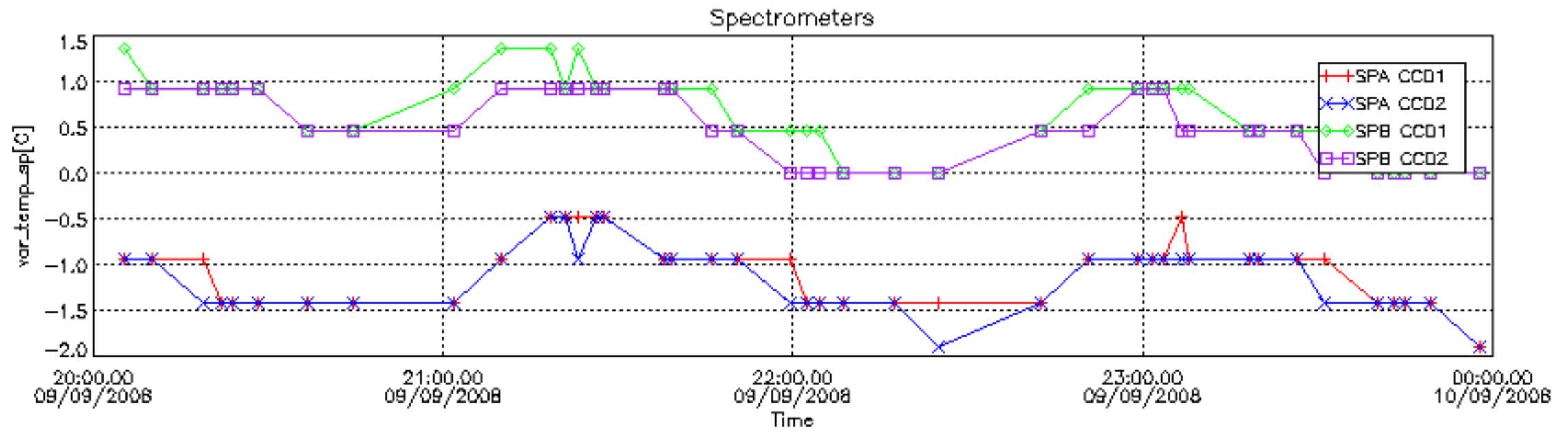
### 8. Auxiliary Data Files used for the production reported in section 2.4

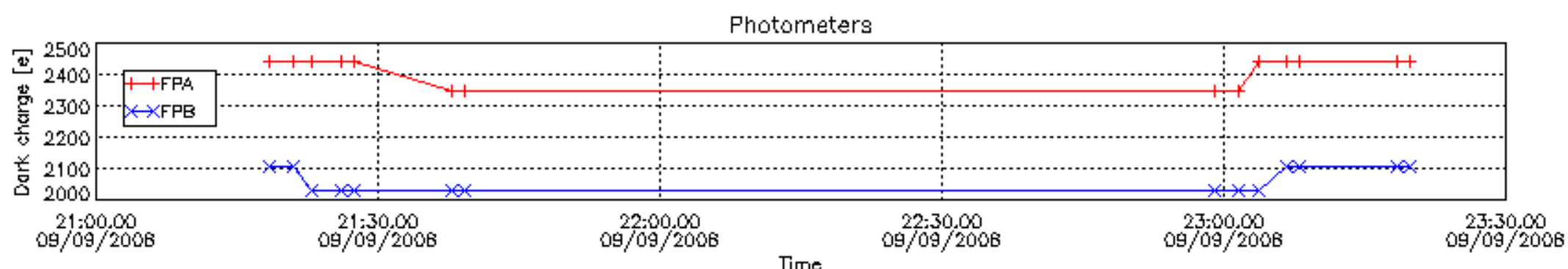
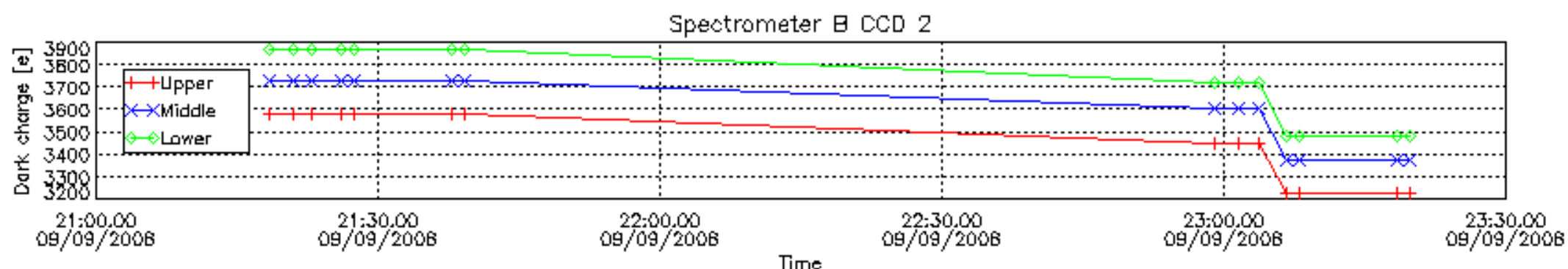
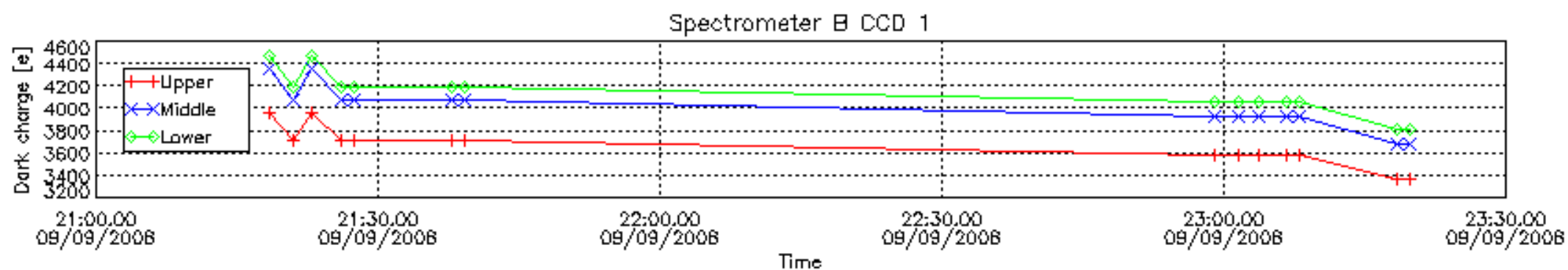
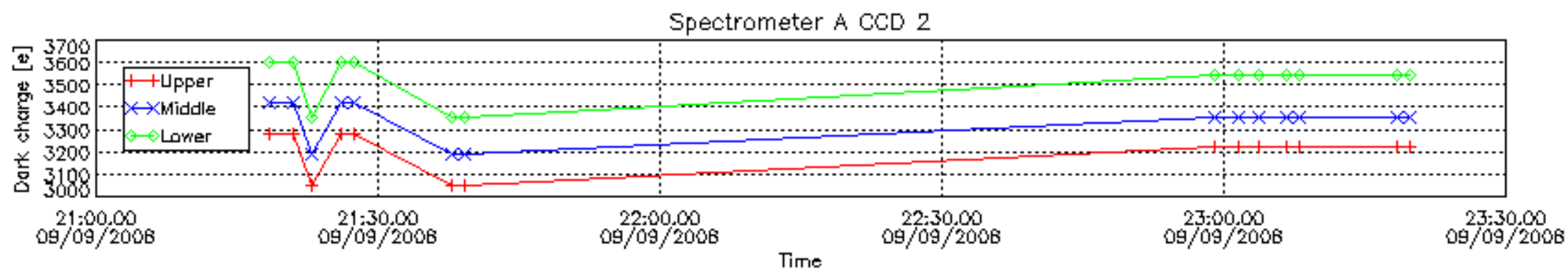
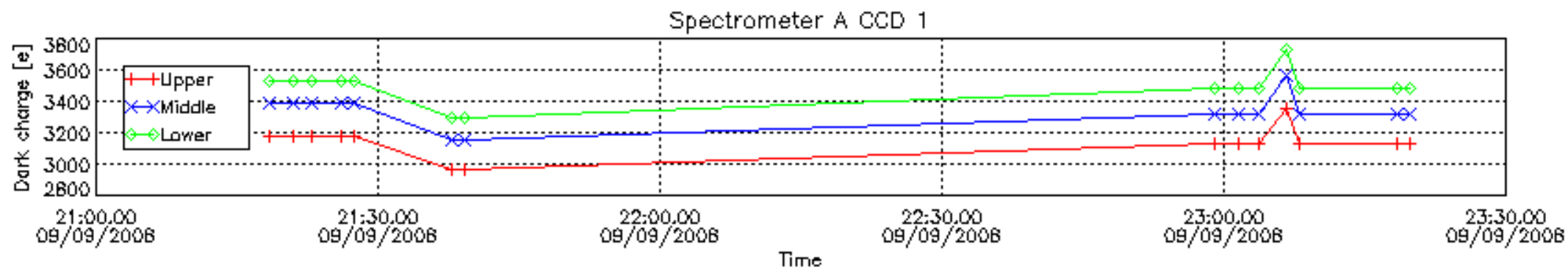
The number reported in the third column indicates since which file (see list in section 2.4) the corresponding auxiliary file has been used. The fourth column is the date of those product files.

Type	Auxiliary Filename	Used since product	Used since product date
INST_PHYS_CHARACTERISTICS	GOM_INS_AXNIEC20050627_150713_20030716_120000_20100101_000000	1	09-SEP-2008 20:05:21
CALIBRATION_DATABASE	GOM_CAL_AXVIEC20080904_073713_20080902_000000_20100101_000000	1	09-SEP-2008 20:05:21
LEVEL-1B_PROC_CONFIG	GOM_PR1_AXNIEC20050627_151042_20020301_000000_20100101_000000	1	09-SEP-2008 20:05:21
STAR_CATALOGUE	GOM_CAT_AXVIEC20020121_161009_20020101_000000_20200101_000000	1	09-SEP-2008 20:05:21
STELLAR_SPECTRA_DATABANK	GOM_STS_AXNIEC20040308_103538_20020101_160000_20100101_000000	1	09-SEP-2008 20:05:21
ECMWF_FILE	AUX_ECF_AXNECM20080909_072110_20080909_150000_20080910_030000	1	09-SEP-2008 20:05:21
ECMWF_FILE	AUX_ECF_AXNECM20080909_072111_20080909_210000_20080910_090000	11	09-SEP-2008 21:18:25
OPTIONAL_ECMWF_FILE	MISSING	1	09-SEP-2008 20:05:21
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20080909_195840_000041442072_00014_34136_6326.N1	1	09-SEP-2008 20:05:21
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20080909_211303_000057382072_00014_34136_6327.N1	28	09-SEP-2008 22:59:01





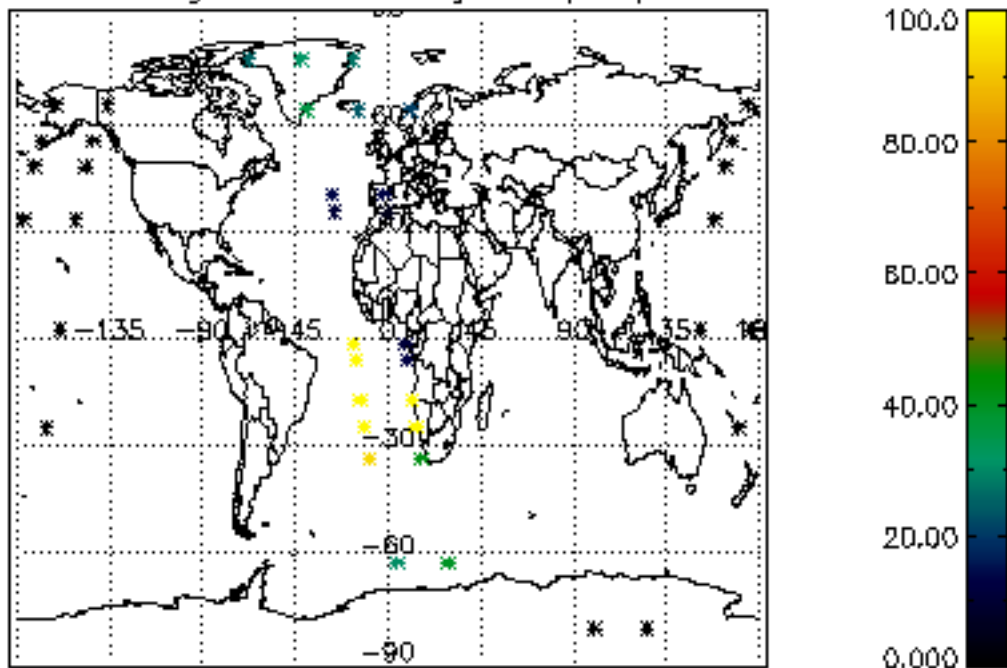




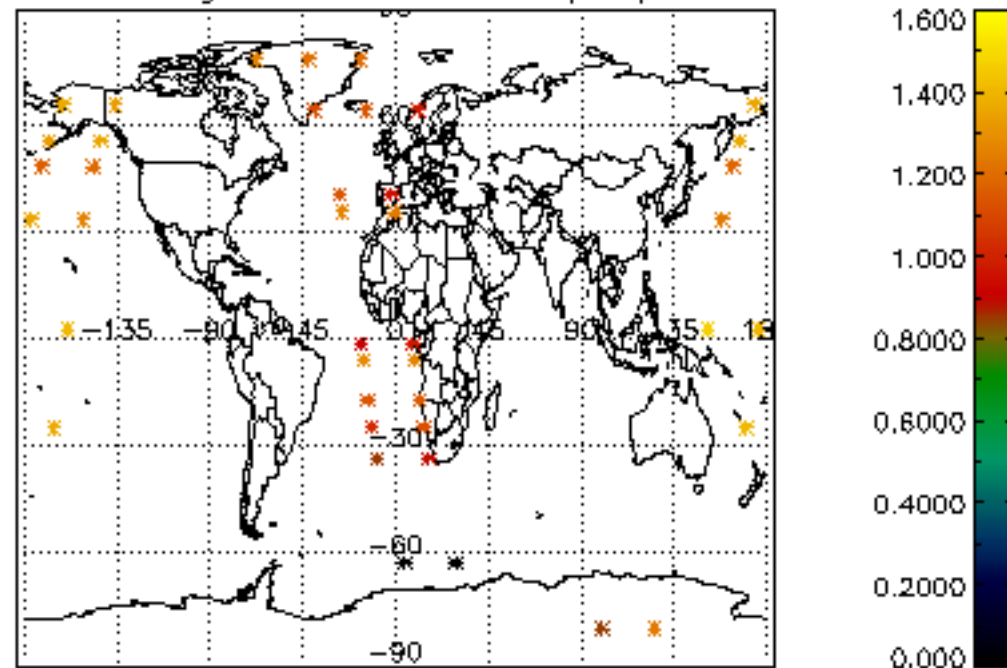




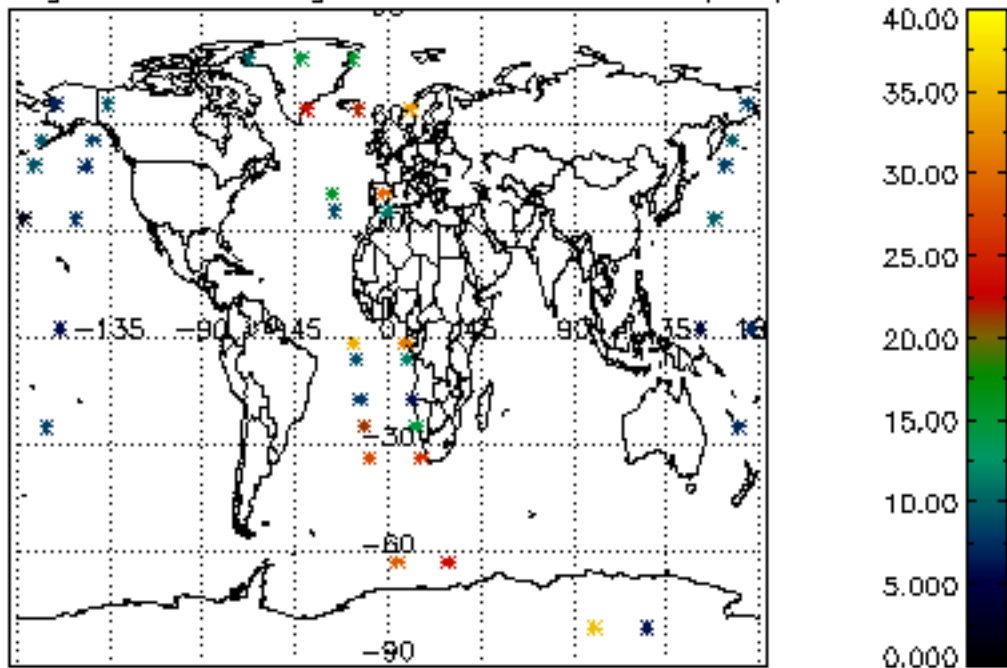
Percentage of cosmic ray hits per profile



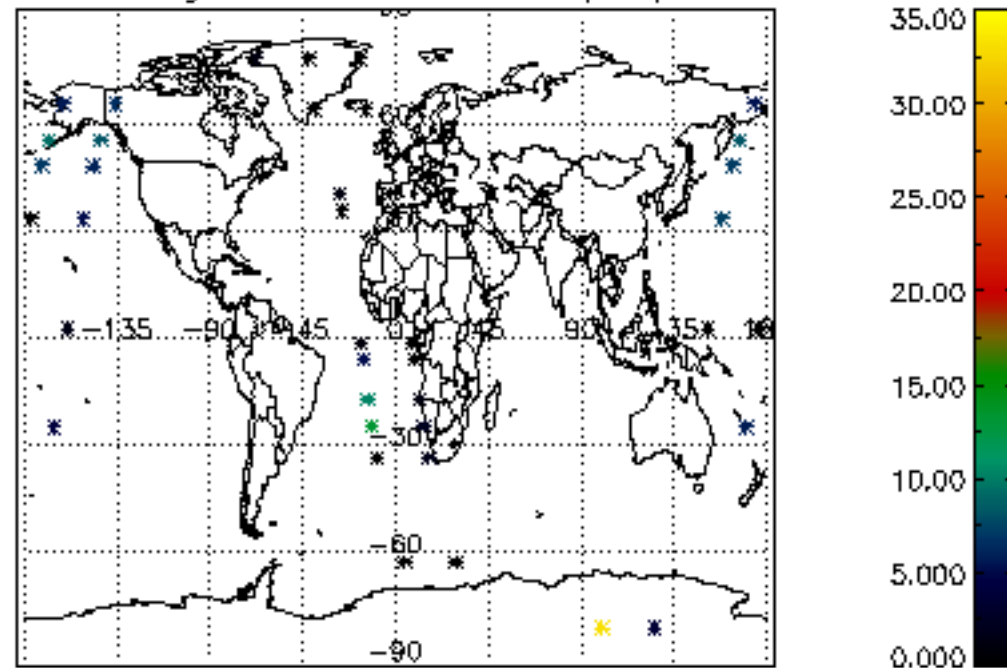
Percentage of datation errors per profile



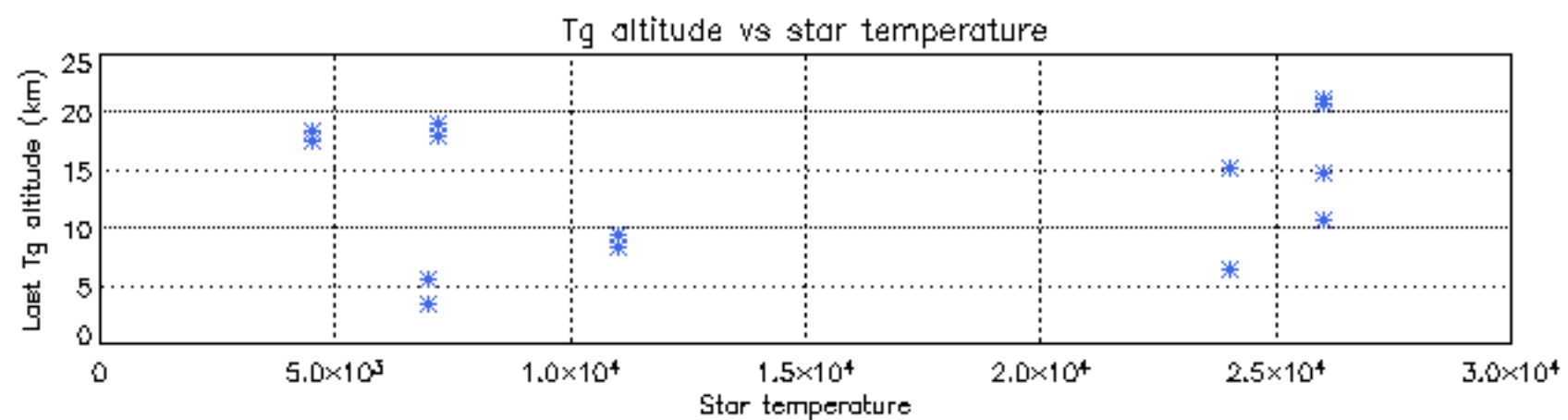
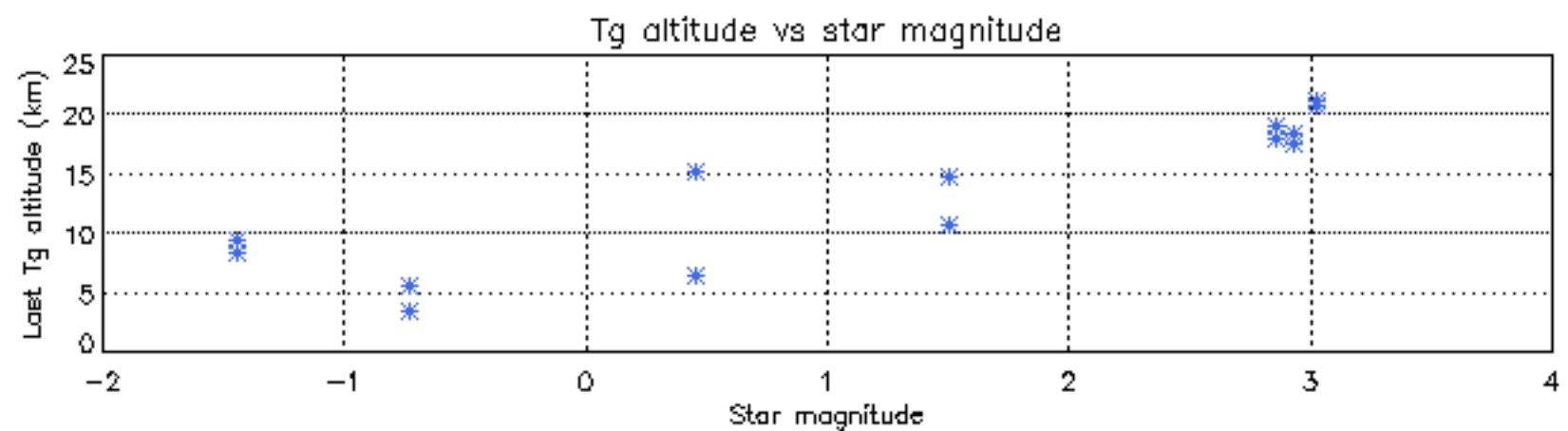
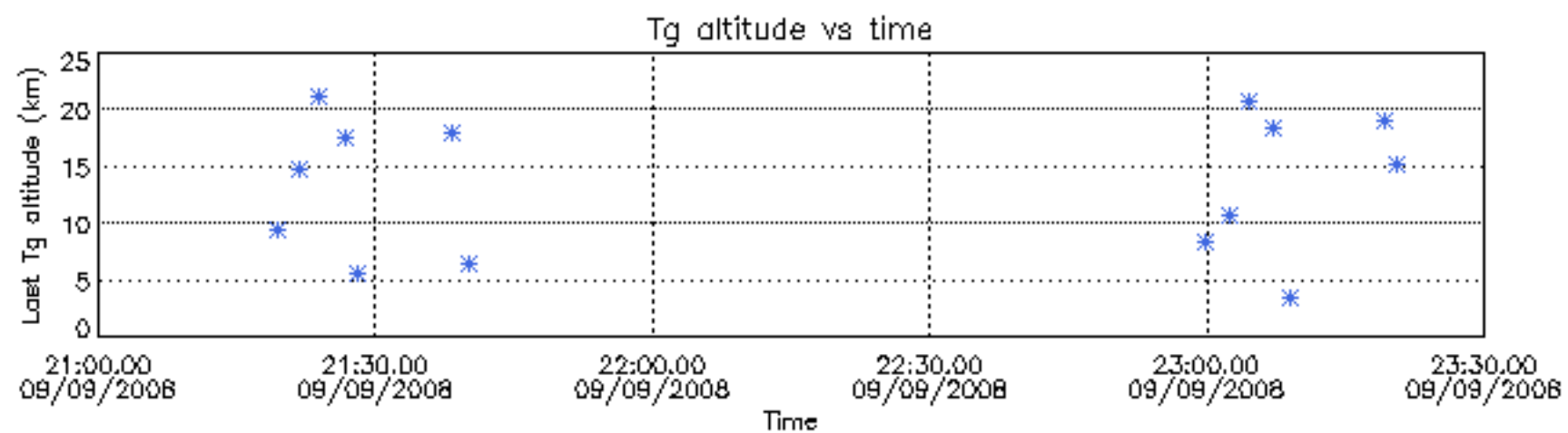
Percentage of star falling outside central band per profile



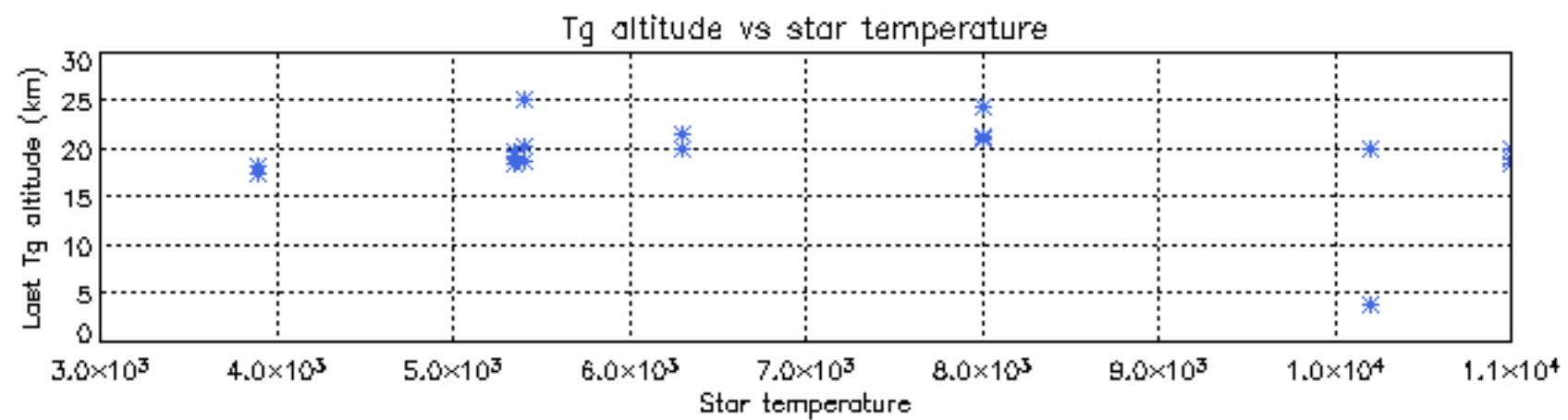
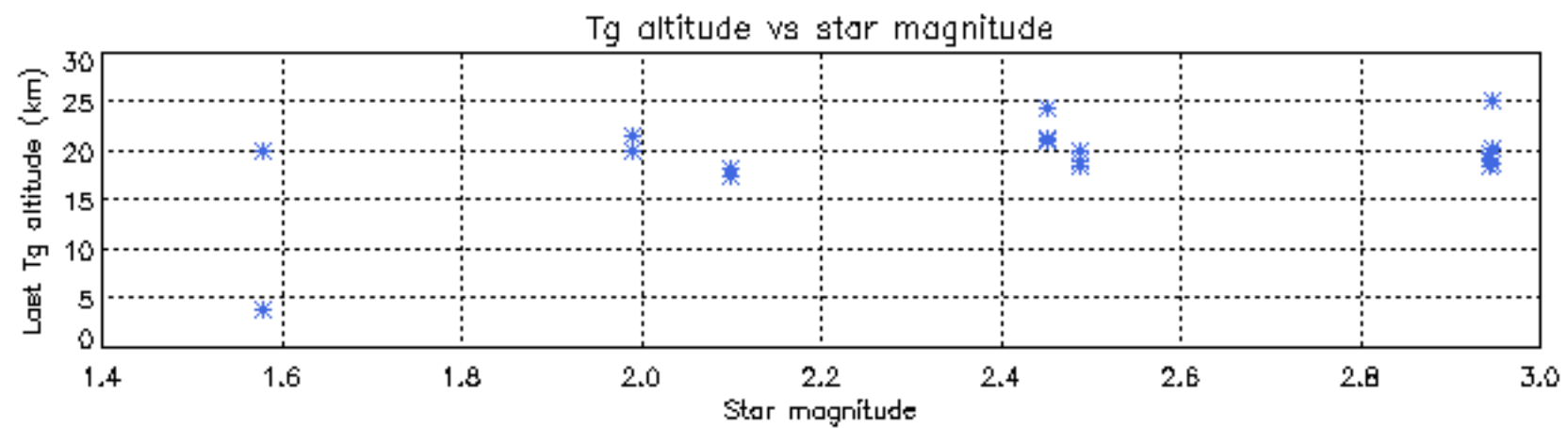
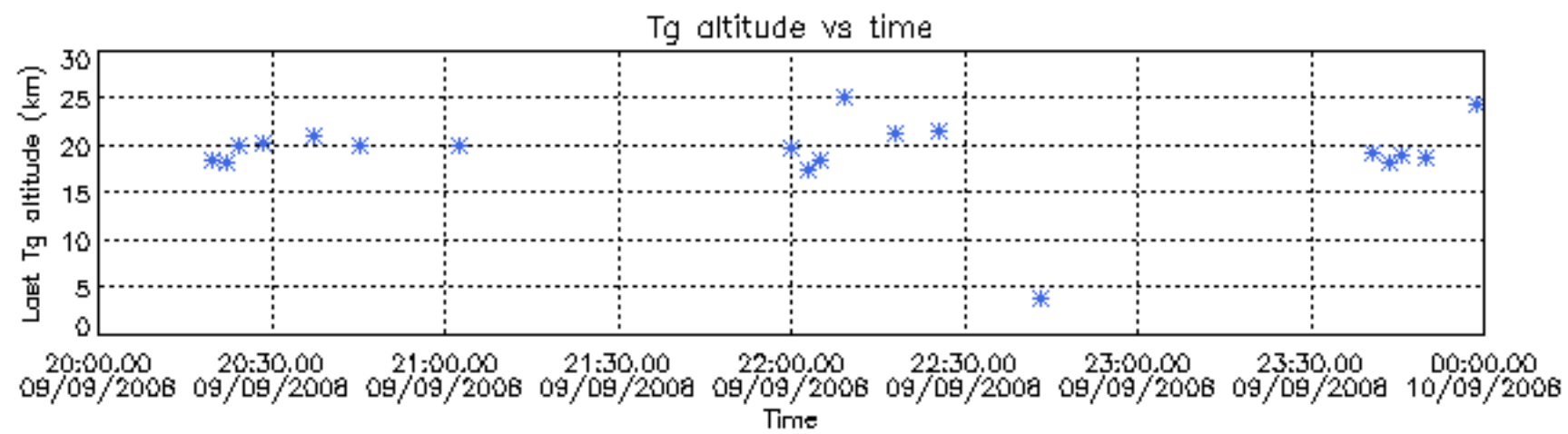
Percentage of saturation errors per profile



Tangent altitude at which the star is lost

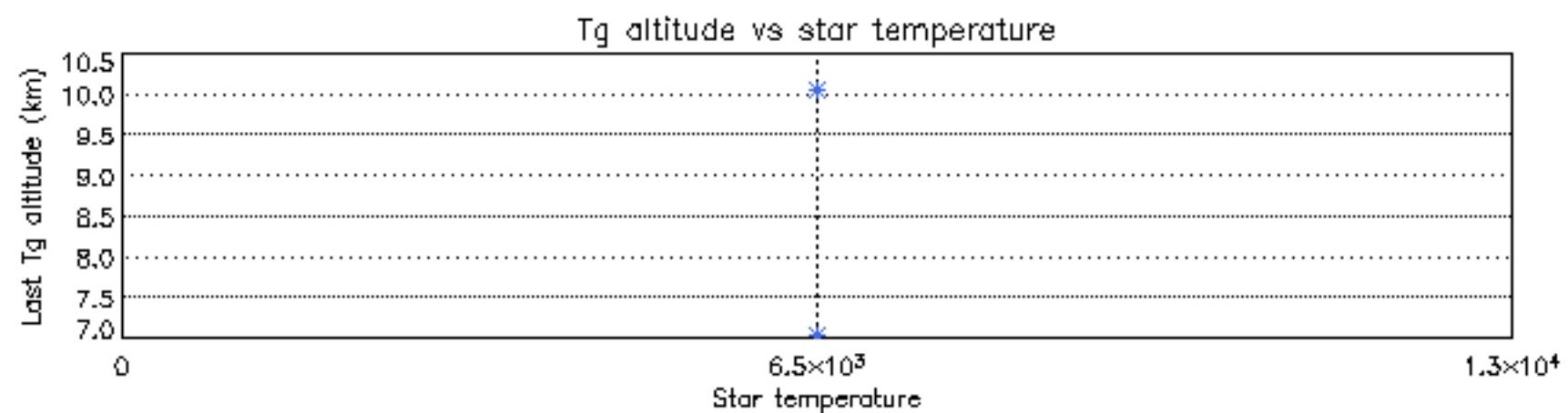
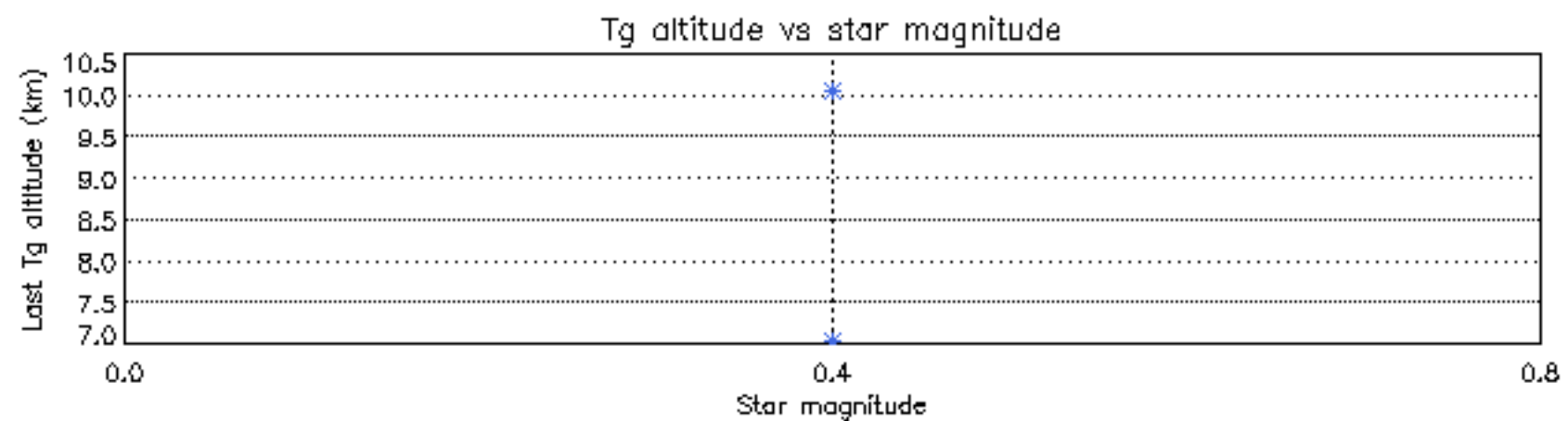
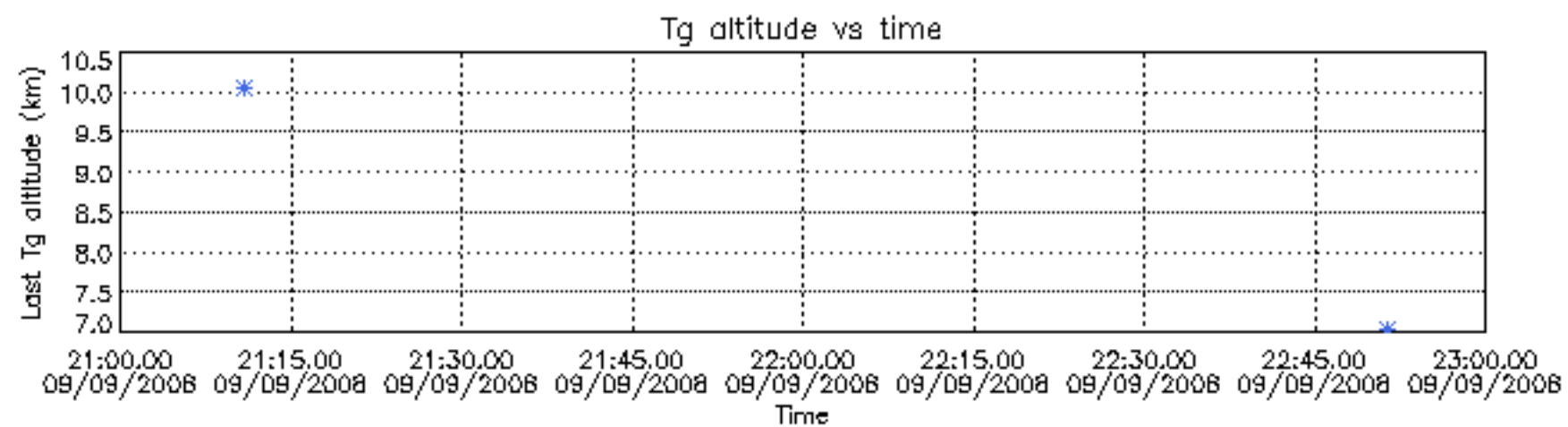


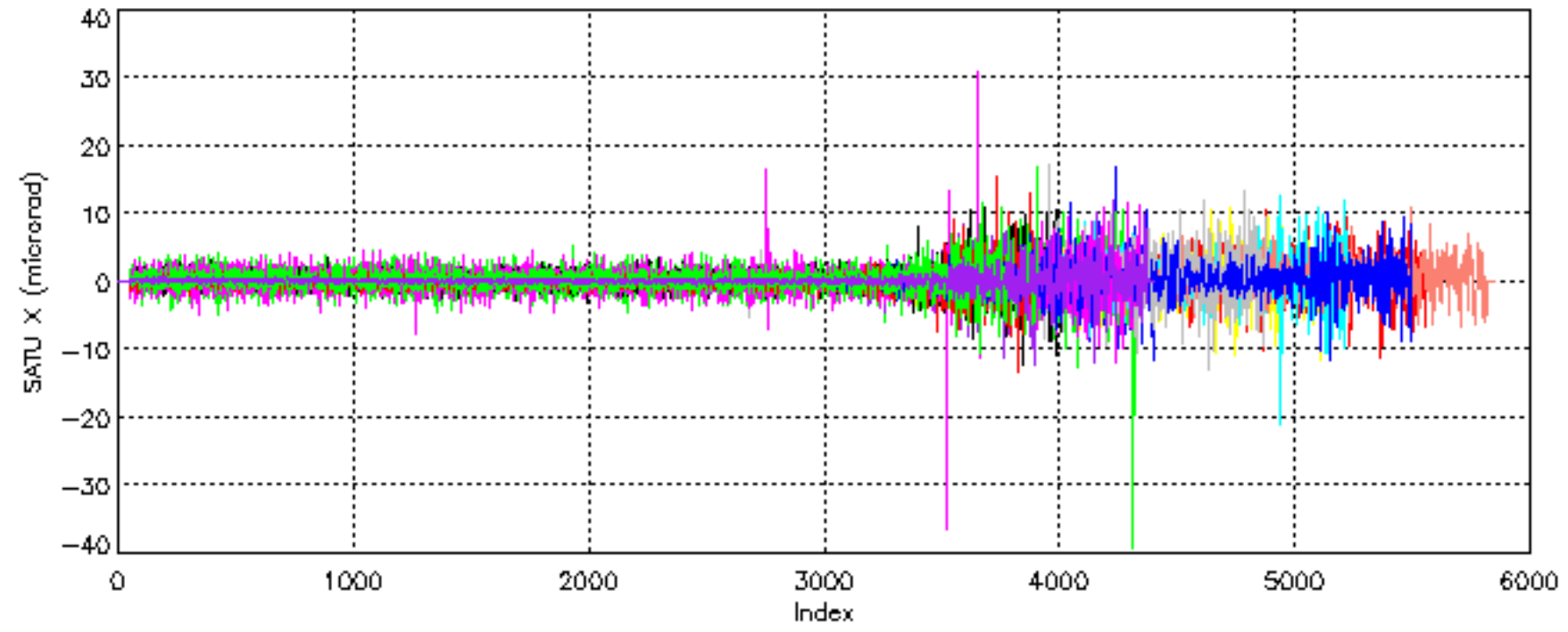
Tangent altitude at which the star is lost

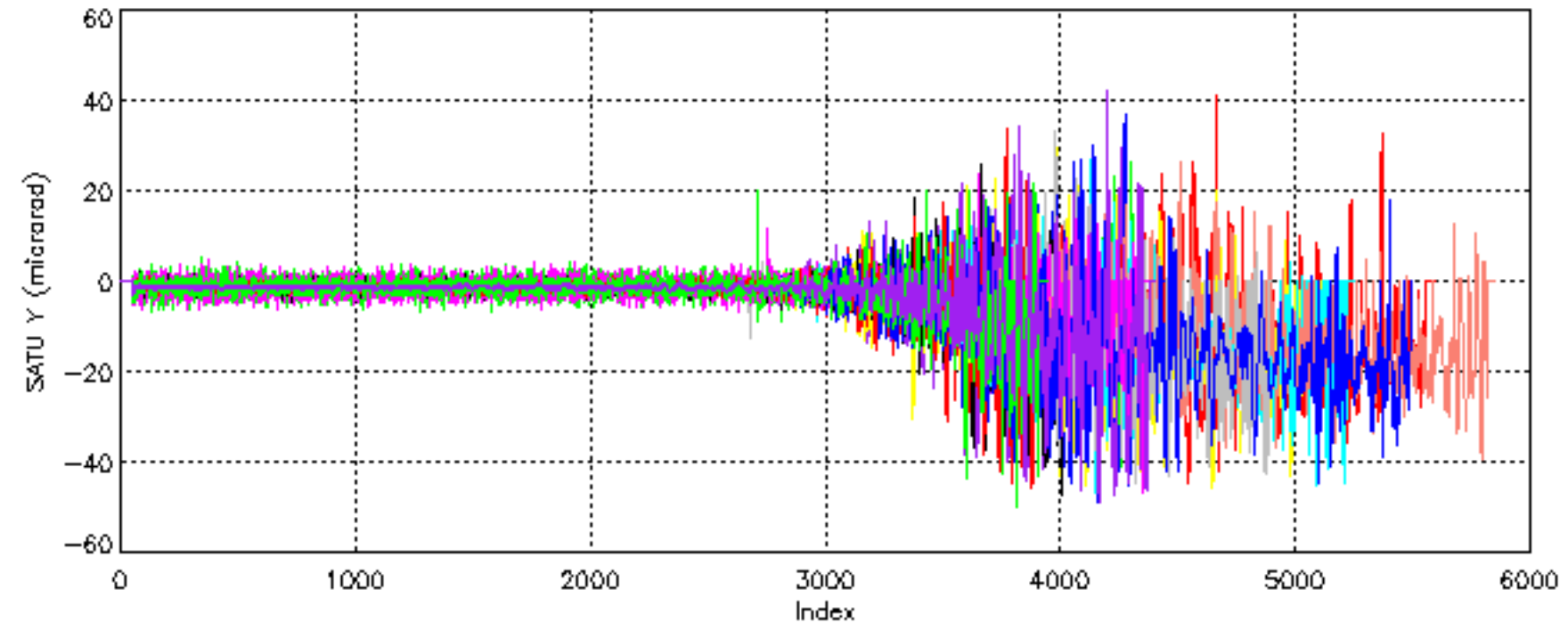


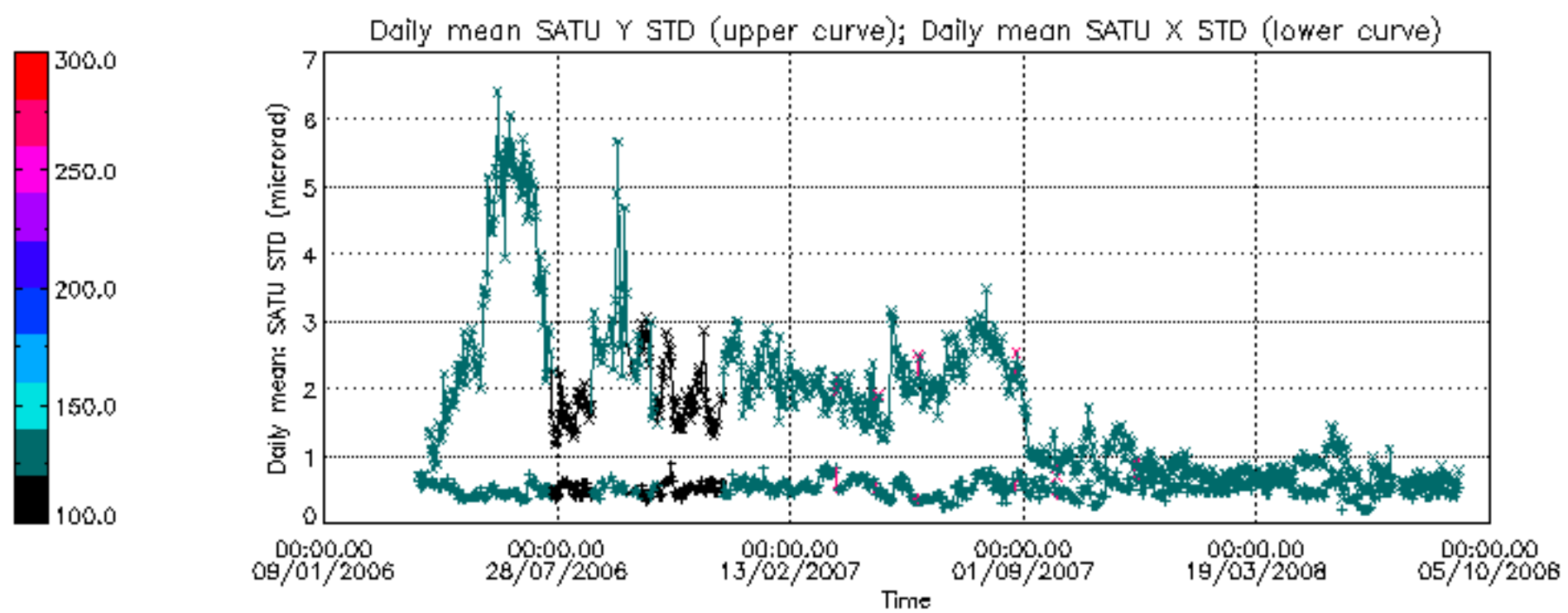


Tangent altitude at which the star is lost











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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  
 21; 4916.3; 01-SEP-2008 01:53:45; Dark ; 39.0; 8; 10Alp CMi ; 0.40; 6500;occ; 78; 0;34010

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 2; -493.7; 01-SEP-2008 02:04:11; Dark ; 44.0; 23; 21Eps CMA ; 1.50; 26000;occ; 88; 0;34010  
 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  
 14; 2075.4; 01-SEP-2008 02:47:00; Bright; 38.5; 61; 8Eps Peg ; 2.10; 3900;occ; 77; 0;34011  
 15; 2488.0; 01-SEP-2008 02:53:52; Bright; 36.0; 92; 53Eps Cyg ; 2.50; 4500;occ; 72; 0;34011  
 16; 2601.0; 01-SEP-2008 02:55:45; Bright; 37.5; 66; 37Gam Cyg ; 2.21; 5900;occ; 75; 0;34011  
 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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1; -1582.8; 01-SEP-2008 03:26:38; Bright; 55.0; 24; 66Alp Gem ; 1.58; 10200;occ; 110; 0;34011  
 2; -1119.3; 01-SEP-2008 03:34:21; Dark ; 44.0; 8; 10Alp CMi ; 0.40; 6500;occ; 88; 0;34011  
 3; -658.2; 01-SEP-2008 03:42:02; Dark ; 52.5; 1; 9Alp CMA ; -1.44; 11000;occ; 105; 0;34011  
 4; -493.2; 01-SEP-2008 03:44:47; Dark ; 44.0; 23; 21Eps CMA ; 1.50; 26000;occ; 88; 0;34011  
 5; -399.0; 01-SEP-2008 03:46:21; Dark ; 45.0; 117; Pi Pup ; 2.71; 3800;occ; 90; 0;34011  
 6; -275.7; 01-SEP-2008 03:48:25; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;34011  
 7; -88.7; 01-SEP-2008 03:51:32; Dark ; 50.0; 2; Alp Car ; -0.74; 7000;occ; 100; 0;34011  
 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  
 10; 965.7; 01-SEP-2008 04:09:06; Dark ; 45.0; 84; Alp Phe ; 2.40; 4500;occ; 90; 0;34012  
 11; 1086.3; 01-SEP-2008 04:11:07; Dark ; 36.5; 31; Alp Gru ; 1.73; 15200;occ; 73; 0;34012  
 12; 1331.5; 01-SEP-2008 04:15:12; Dark ; 45.5; 18; 24Alp PsA ; 1.17; 9700;occ; 91; 0;34012  
 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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 17; 2488.3; 01-SEP-2008 04:34:29; Bright; 36.5; 92; 53Eps Cyg ; 2.50; 4500;occ; 73; 0;34012  
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 19; 2678.6; 01-SEP-2008 04:37:39; Bright; 37.0; 19; 50Alp Cyg ; 1.25; 10500;occ; 74; 0;34012  
 20; 2975.3; 01-SEP-2008 04:42:36; Bright; 36.5; 89; 5Alp Cep ; 2.45; 8000;occ; 73; 0;34012  
 21; 3434.7; 01-SEP-2008 04:50:15; Bright; 36.0; 49; 1Alp UMi ; 1.99; 6300;occ; 72; 0;34012

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 3; -657.5; 01-SEP-2008 05:22:39; Dark ; 49.5; 1; 9Alp CMA ; -1.44; 11000;occ; 99; 0;34012

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4; -492.5; 01-SEP-2008 05:25:24; Dark ; 45.0; 23; 21Eps CMa ; 1.50; 26000;occ; 90; 0;34012
5; -398.5; 01-SEP-2008 05:26:58; Dark ; 42.0; 117; Pi Pup ; 2.71; 3800;occ; 84; 0;34012
6; -275.3; 01-SEP-2008 05:29:01; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;34012
7; -88.3; 01-SEP-2008 05:32:08; Dark ; 53.5; 2; Alp Car ;-0.74; 7000;occ; 107; 0;34012
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
10; 966.3; 01-SEP-2008 05:49:43; Dark ; 45.0; 84; Alp Phe ; 2.40; 4500;occ; 90; 0;34013
11; 1086.5; 01-SEP-2008 05:51:43; Dark ; 37.0; 31; Alp Gru ; 1.73; 15200;occ; 74; 0;34013
12; 1331.7; 01-SEP-2008 05:55:48; Dark ; 47.0; 18; 24Alp PsA ; 1.17; 9700;occ; 94; 0;34013
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14; 1808.2; 01-SEP-2008 06:03:45; Bright; 36.5; 154; 22Bet Aqr ; 2.90; 5700;occ; 73; 0;34013
15; 1895.6; 01-SEP-2008 06:05:12; Bright; 43.0; 162; 34Alp Aqr ; 2.94; 5350;occ; 86; 0;34013
16; 2075.4; 01-SEP-2008 06:08:12; Bright; 38.5; 61; 8Eps Peg ; 2.10; 3900;occ; 77; 0;34013
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3; 2419.3; 13-SEP-2008 20:01:42; Bright; 40.0; 93; 53Bet Peg ; 2.52; 3100;occ; 80; 0;34193
4; 3039.8; 13-SEP-2008 20:12:03; Bright; 42.0; 74; 11Bet Cas ; 2.27; 6600;occ; 84; 0;34193
5; 3150.7; 13-SEP-2008 20:13:54; Bright; 44.5; 76; 27Gam Cas ; 2.30; 30000;occ; 89; 0;34193
6; 4478.0; 13-SEP-2008 20:36:01; Bright; 44.5; 24; 66Alp Gem ; 1.58; 10200;occ; 89; 0;34193
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4; -154.4; 13-SEP-2008 20:59:24; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;34193
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6; 625.9; 13-SEP-2008 21:12:25; Dark ; 39.0; 143; Alp Hyi ; 2.86; 7200;occ; 78; 0;34194
7; 710.6; 13-SEP-2008 21:13:49; Dark ; 52.0; 9; Alp Eri ; 0.45; 24000;occ; 104; 0;34194
8; 1056.8; 13-SEP-2008 21:19:36; Dark ; 48.0; 84; Alp Phe ; 2.40; 4500;occ; 96; 0;34194
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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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8; 2183.8; 14-SEP-2008 02:40:10; Bright; 40.0; 90; 54Alp Peg ; 2.49; 11000;occ; 80; 0;34197
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5; -149.9; 14-SEP-2008 05:22:29; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;34198
6; 10.1; 14-SEP-2008 05:25:09; Dark ; 56.0; 2; Alp Car ; -0.74; 7000;occ; 112; 0;34199
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5; 3141.9; 14-SEP-2008 21:22:44; Bright; 43.0; 76; 27Gam Cas ; 2.30; 30000;occ; 86; 0;34208
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5; 633.2; 14-SEP-2008 22:21:31; Dark ; 38.5; 143; Alp Hyi ; 2.86; 7200;occ; 77; 0;34209
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 6; 18.5; 15-SEP-2008 04:53:40; Dark ; 57.0; 2; Alp Car ; -0.74; 7000;occ; 114; 0;34213  
 7; 635.2; 15-SEP-2008 05:03:57; Dark ; 39.0; 143; Alp Hyi ; 2.86; 7200;occ; 78; 0;34213  
 8; 720.4; 15-SEP-2008 05:05:22; Dark ; 43.0; 9; Alp Eri ; 0.45; 24000;occ; 86; 0;34213  
 9; 1064.9; 15-SEP-2008 05:11:06; Dark ; 47.0; 84; Alp Phe ; 2.40; 4500;occ; 94; 0;34213  
 10; 2180.9; 15-SEP-2008 05:29:42; Bright; 39.0; 90; 54Alp Peg ; 2.49; 11000;occ; 78; 0;34213  
 11; 2413.7; 15-SEP-2008 05:33:35; Bright; 38.5; 93; 53Bet Peg ; 2.52; 3100;occ; 77; 0;34213  
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 3; 2411.3; 15-SEP-2008 20:38:56; Bright; 41.0; 93; 53Bet Peg ; 2.52; 3100;occ; 82; 0;34222  
 4; 3026.5; 15-SEP-2008 20:49:12; Bright; 41.5; 74; 11Bet Cas ; 2.27; 6600;occ; 83; 0;34222  
 5; 3134.1; 15-SEP-2008 20:50:59; Bright; 42.5; 76; 27Gam Cas ; 2.30; 30000;occ; 85; 0;34222  
 6; 4482.1; 15-SEP-2008 21:13:27; Bright; 44.5; 24; 66Alp Gem ; 1.58; 10200;occ; 89; 0;34222  
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 4; -127.8; 15-SEP-2008 21:37:13; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;34222  
 5; 24.6; 15-SEP-2008 21:39:46; Dark ; 41.5; 2; Alp Car ; -0.74; 7000;occ; 83; 0;34223  
 6; 639.9; 15-SEP-2008 21:50:01; Dark ; 39.0; 143; Alp Hyi ; 2.86; 7200;occ; 78; 0;34223  
 7; 725.5; 15-SEP-2008 21:51:27; Dark ; 51.0; 9; Alp Eri ; 0.45; 24000;occ; 102; 0;34223  
 8; 1069.0; 15-SEP-2008 21:57:10; Dark ; 43.5; 84; Alp Phe ; 2.40; 4500;occ; 87; 0;34223  
 9; 2179.1; 15-SEP-2008 22:15:40; Bright; 39.5; 90; 54Alp Peg ; 2.49; 11000;occ; 79; 0;34223  
 10; 2411.1; 15-SEP-2008 22:19:32; Bright; 41.0; 93; 53Bet Peg ; 2.52; 3100;occ; 82; 0;34223  
 11; 3026.0; 15-SEP-2008 22:29:47; Bright; 38.5; 74; 11Bet Cas ; 2.27; 6600;occ; 77; 0;34223  
 12; 3133.5; 15-SEP-2008 22:31:35; Bright; 43.0; 76; 27Gam Cas ; 2.30; 30000;occ; 86; 0;34223  
 13; 4482.3; 15-SEP-2008 22:54:03; Bright; 44.0; 24; 66Alp Gem ; 1.58; 10200;occ; 88; 0;34223  
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 9; 1069.4; 15-SEP-2008 23:37:46; Dark ; 43.0; 84; Alp Phe ; 2.40; 4500;occ; 86; 0;34224  
 10; 1528.0; 15-SEP-2008 23:45:25; Dark ; 27.0; 52; 16Bet Cet ; 2.04; 4500;occ; 54; 0;34224  
 11; 2178.9; 15-SEP-2008 23:56:16; Bright; 40.0; 90; 54Alp Peg ; 2.49; 11000;occ; 80; 0;34224  
 12; 2410.8; 16-SEP-2008 00:00:08; Bright; 39.5; 93; 53Bet Peg ; 2.52; 3100;occ; 79; 0;34224  
 13; 2533.8; 16-SEP-2008 00:02:11; Bright; 26.0; 58; 21Alp And ; 2.07; 11000;occ; 52; 0;34224  
 14; 3025.5; 16-SEP-2008 00:10:22; Bright; 41.5; 74; 11Bet Cas ; 2.27; 6600;occ; 83; 0;34224  
 15; 3132.8; 16-SEP-2008 00:12:10; Bright; 40.0; 76; 27Gam Cas ; 2.30; 30000;occ; 80; 0;34224  
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 4; 3138.6; 15-SEP-2008 07:26:16; Bright; 41.0; 76; 27Gam Cas ; 2.30; 30000;occ; 82; 0;34214  
 5; 4481.2; 15-SEP-2008 07:48:39; Bright; 62.0; 24; 66Alp Gem ; 1.58; 10200;occ; 124; 0;34214  
 6; 5000.2; 15-SEP-2008 07:57:18; Dark ; 52.5; 8; 10Alp CMI ; 0.40; 6500;occ; 105; 0;34214  
 7; 5544.5; 15-SEP-2008 08:06:22; Dark ; 70.5; 1; 9Alp CMA ; -1.44; 11000;occ; 141; 0;34214  
 8; 5678.4; 15-SEP-2008 08:08:36; Dark ; 46.5; 23; 21Eps CMA ; 1.50; 26000;occ; 93; 0;34214  
 9; 5900.7; 15-SEP-2008 08:12:18; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;34214  
 10; 6055.7; 15-SEP-2008 08:14:53; Dark ; 50.5; 2; Alp Car ; -0.74; 7000;occ; 101; 0;34214  
 11; 6672.1; 15-SEP-2008 08:25:10; Dark ; 40.0; 143; Alp Hyi ; 2.86; 7200;occ; 80; 0;34214  
 12; 6757.5; 15-SEP-2008 08:26:35; Dark ; 52.5; 9; Alp Eri ; 0.45; 24000;occ; 105; 0;34214



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3; 3029.7; 15-SEP-2008 09:05:03; Bright; 40.5; 74; 11Bet Cas ; 2.27; 6600;occ; 81; 0;34215
4; 3138.0; 15-SEP-2008 09:06:51; Bright; 40.5; 76; 27Gam Cas ; 2.30; 30000;occ; 81; 0;34215
5; 4481.3; 15-SEP-2008 09:29:15; Bright; 44.5; 24; 66Alp Gem ; 1.58; 10200;occ; 89; 0;34215
6; 5000.7; 15-SEP-2008 09:37:54; Dark ; 56.0; 8; 10Alp CMi ; 0.40; 6500;occ; 112; 0;34215
7; 5545.4; 15-SEP-2008 09:46:59; Dark ; 58.0; 1; 9Alp CMA ; -1.44; 11000;occ; 116; 0;34215
8; 5679.2; 15-SEP-2008 09:49:13; Dark ; 47.5; 23; 21Eps CMA ; 1.50; 26000;occ; 95; 0;34215
9; 5901.6; 15-SEP-2008 09:52:55; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;34215
10; 6056.2; 15-SEP-2008 09:55:30; Dark ; 44.5; 2; Alp Car ; -0.74; 7000;occ; 89; 0;34215
11; 6672.6; 15-SEP-2008 10:05:46; Dark ; 38.0; 143; Alp Hyi ; 2.86; 7200;occ; 76; 0;34215
12; 6757.9; 15-SEP-2008 10:07:11; Dark ; 52.5; 9; Alp Eri ; 0.45; 24000;occ; 105; 0;34215
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3; 3029.3; 15-SEP-2008 10:45:39; Bright; 42.0; 74; 11Bet Cas ; 2.27; 6600;occ; 84; 0;34216
4; 3137.4; 15-SEP-2008 10:47:27; Bright; 43.0; 76; 27Gam Cas ; 2.30; 30000;occ; 86; 0;34216
5; 4481.4; 15-SEP-2008 11:09:51; Bright; 44.5; 24; 66Alp Gem ; 1.58; 10200;occ; 89; 0;34216
6; 5001.2; 15-SEP-2008 11:18:31; Dark ; 56.0; 8; 10Alp CMi ; 0.40; 6500;occ; 112; 0;34216
7; 5546.5; 15-SEP-2008 11:27:36; Dark ; 59.5; 1; 9Alp CMA ; -1.44; 11000;occ; 119; 0;34216
8; 5680.0; 15-SEP-2008 11:29:49; Dark ; 46.0; 23; 21Eps CMA ; 1.50; 26000;occ; 92; 0;34216
9; 5902.4; 15-SEP-2008 11:33:32; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;34216
10; 6057.0; 15-SEP-2008 11:36:06; Dark ; 55.0; 2; Alp Car ; -0.74; 7000;occ; 110; 0;34216
11; 6673.0; 15-SEP-2008 11:46:22; Dark ; 40.5; 143; Alp Hyi ; 2.86; 7200;occ; 81; 0;34216
12; 6758.4; 15-SEP-2008 11:47:48; Dark ; 46.0; 9; Alp Eri ; 0.45; 24000;occ; 92; 0;34216
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3; 3028.7; 15-SEP-2008 12:26:14; Bright; 40.5; 74; 11Bet Cas ; 2.27; 6600;occ; 81; 0;34217
4; 3136.9; 15-SEP-2008 12:28:02; Bright; 39.5; 76; 27Gam Cas ; 2.30; 30000;occ; 79; 0;34217
5; 4481.5; 15-SEP-2008 12:50:27; Bright; 43.0; 24; 66Alp Gem ; 1.58; 10200;occ; 86; 0;34217
6; 5001.8; 15-SEP-2008 12:59:07; Dark ; 51.5; 8; 10Alp CMi ; 0.40; 6500;occ; 103; 0;34217
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10; 6057.6; 15-SEP-2008 13:16:43; Dark ; 52.0; 2; Alp Car ; -0.74; 7000;occ; 104; 0;34217
11; 6673.5; 15-SEP-2008 13:26:59; Dark ; 39.0; 143; Alp Hyi ; 2.86; 7200;occ; 78; 0;34217
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3; -365.3; 16-SEP-2008 00:54:27; Dark ; 28.0; 47; 2Bet CMA ; 1.98; 28000;occ; 56; 0;34224
4; -287.4; 16-SEP-2008 00:55:45; Dark ; 42.5; 117; Pi Pup ; 2.71; 3800;occ; 85; 0;34224
5; -126.0; 16-SEP-2008 00:58:27; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;34224
6; 25.8; 16-SEP-2008 01:00:59; Dark ; 45.5; 2; Alp Car ; -0.74; 7000;occ; 91; 0;34225
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12; 2410.5; 16-SEP-2008 01:40:43; Bright; 41.5; 93; 53Bet Peg ; 2.52; 3100;occ; 83; 0;34225
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14; 3025.1; 16-SEP-2008 01:50:58; Bright; 40.5; 74; 11Bet Cas ; 2.27; 6600;occ; 81; 0;34225
15; 3132.3; 16-SEP-2008 01:52:45; Bright; 43.0; 76; 27Gam Cas ; 2.30; 30000;occ; 86; 0;34225
16; 4482.7; 16-SEP-2008 02:15:15; Bright; 45.0; 24; 66Alp Gem ; 1.58; 10200;occ; 90; 0;34225
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3; -364.0; 16-SEP-2008 02:35:05; Dark ; 28.0; 47; 2Bet CMA ; 1.98; 28000;occ; 56; 0;34225
4; -286.7; 16-SEP-2008 02:36:22; Dark ; 48.0; 117; Pi Pup ; 2.71; 3800;occ; 96; 0;34225

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2;-1028.8; 16-SEP-2008 05:45:12; Dark ; 52.5; 8; 10Alp CMi ; 0.40; 6500;occ; 105; 0;34227
3; -583.4; 16-SEP-2008 05:52:37; Dark ; 41.5; 132; 15Rho Pup ; 2.80; 6900;occ; 83; 0;34227
4; -477.8; 16-SEP-2008 05:54:23; Dark ; 65.0; 1; 9Alp CMA ; -1.44; 11000;occ; 130; 0;34227
5; -346.6; 16-SEP-2008 05:56:34; Dark ; 47.5; 23; 21Eps CMA ; 1.50; 26000;occ; 95; 0;34227
6; -123.1; 16-SEP-2008 06:00:18; Dark ; 59.0; 0; ; 0.00; 0;occ; 118; 0;34227
7; 642.4; 16-SEP-2008 06:13:03; Dark ; 39.5; 143; Alp Hyi ; 2.86; 7200;occ; 79; 0;34228
8; 728.0; 16-SEP-2008 06:14:29; Dark ; 40.5; 9; Alp Eri ; 0.45; 24000;occ; 81; 0;34228
9; 1071.1; 16-SEP-2008 06:20:12; Dark ; 51.0; 84; Alp Phe ; 2.40; 4500;occ; 102; 0;34228
10; 1528.7; 16-SEP-2008 06:27:49; Dark ; 38.0; 52; 16Bet Cet ; 2.04; 4500;occ; 76; 0;34228
11; 2178.2; 16-SEP-2008 06:38:39; Bright; 38.5; 90; 54Alp Peg ; 2.49; 11000;occ; 77; 0;34228
12; 2409.9; 16-SEP-2008 06:42:31; Bright; 39.0; 93; 53Bet Peg ; 2.52; 3100;occ; 78; 0;34228
13; 2531.2; 16-SEP-2008 06:44:32; Bright; 39.0; 58; 21Alp And ; 2.07; 11000;occ; 78; 0;34228
14; 3023.8; 16-SEP-2008 06:52:44; Bright; 41.0; 74; 11Bet Cas ; 2.27; 6600;occ; 82; 0;34228
15; 3130.7; 16-SEP-2008 06:54:31; Bright; 41.5; 76; 27Gam Cas ; 2.30; 30000;occ; 83; 0;34228
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2; 1529.8; 16-SEP-2008 19:52:38; Dark ; 53.0; 52; 16Bet Cet ; 2.04; 4500;occ; 106; 0;34236
3; 2176.9; 16-SEP-2008 20:03:25; Bright; 39.5; 90; 54Alp Peg ; 2.49; 11000;occ; 79; 0;34236
4; 2407.9; 16-SEP-2008 20:07:16; Bright; 40.5; 93; 53Bet Peg ; 2.52; 3100;occ; 81; 0;34236
5; 2525.9; 16-SEP-2008 20:09:14; Bright; 44.5; 58; 21Alp And ; 2.07; 11000;occ; 89; 0;34236
6; 3020.3; 16-SEP-2008 20:17:29; Bright; 41.0; 74; 11Bet Cas ; 2.27; 6600;occ; 82; 0;34236
7; 3126.1; 16-SEP-2008 20:19:14; Bright; 41.5; 76; 27Gam Cas ; 2.30; 30000;occ; 83; 0;34236
8; 4484.0; 16-SEP-2008 20:41:52; Bright; 44.5; 24; 66Alp Gem ; 1.58; 10200;occ; 89; 0;34236
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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
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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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 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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 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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 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  
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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

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 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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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
13; 2403.8; 18-SEP-2008 03:58:35; Bright; 38.5; 93; 53Bet Peg ; 2.52; 3100;occ; 77; 0;34255
14; 2514.0; 18-SEP-2008 04:00:25; Bright; 45.0; 58; 21Alp And ; 2.07; 11000;occ; 90; 0;34255
15; 3012.3; 18-SEP-2008 04:08:43; Bright; 37.0; 74; 11Bet Cas ; 2.27; 6600;occ; 74; 0;34255
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4; -446.1; 18-SEP-2008 04:51:41; Dark ; 63.0; 1; 9Alp CMA ; -1.44; 11000;occ; 126; 0;34255
5; -322.1; 18-SEP-2008 04:53:45; Dark ; 49.0; 23; 21Eps CMA ; 1.50; 26000;occ; 98; 0;34255
6; -96.3; 18-SEP-2008 04:57:31; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;34255
7; 45.5; 18-SEP-2008 04:59:52; Dark ; 57.0; 2; Alp Car ; -0.74; 7000;occ; 114; 0;34256
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9; 741.8; 18-SEP-2008 05:11:29; Dark ; 50.0; 9; Alp Eri ; 0.45; 24000;occ; 100; 0;34256
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12; 2174.2; 18-SEP-2008 05:35:21; Bright; 38.5; 90; 54Alp Peg ; 2.49; 11000;occ; 77; 0;34256
13; 2403.5; 18-SEP-2008 05:39:10; Bright; 40.0; 93; 53Bet Peg ; 2.52; 3100;occ; 80; 0;34256
14; 2513.3; 18-SEP-2008 05:41:00; Bright; 46.5; 58; 21Alp And ; 2.07; 11000;occ; 93; 0;34256
15; 3012.0; 18-SEP-2008 05:49:19; Bright; 40.5; 74; 11Bet Cas ; 2.27; 6600;occ; 81; 0;34256
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3; 2173.1; 18-SEP-2008 20:40:43; Bright; 39.0; 90; 54Alp Peg ; 2.49; 11000;occ; 78; 0;34265
4; 2401.8; 18-SEP-2008 20:44:32; Bright; 40.0; 93; 53Bet Peg ; 2.52; 3100;occ; 80; 0;34265
5; 2508.0; 18-SEP-2008 20:46:18; Bright; 43.5; 58; 21Alp And ; 2.07; 11000;occ; 87; 0;34265
6; 3008.1; 18-SEP-2008 20:54:38; Bright; 40.0; 74; 11Bet Cas ; 2.27; 6600;occ; 80; 0;34265
7; 3110.5; 18-SEP-2008 20:56:21; Bright; 42.5; 76; 27Gam Cas ; 2.30; 30000;occ; 85; 0;34265
8; 4488.1; 18-SEP-2008 21:19:19; Bright; 45.5; 24; 66Alp Gem ; 1.58; 10200;occ; 91; 0;34265
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2; -434.3; 18-SEP-2008 21:37:52; Dark ; 62.5; 1; 9Alp CMA ; -1.44; 11000;occ; 125; 0;34265
3; -313.0; 18-SEP-2008 21:39:53; Dark ; 44.5; 23; 21Eps CMA ; 1.50; 26000;occ; 89; 0;34265
4; -86.5; 18-SEP-2008 21:43:40; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;34265
5; 52.0; 18-SEP-2008 21:45:58; Dark ; 53.5; 2; Alp Car ; -0.74; 7000;occ; 107; 0;34266
6; 746.5; 18-SEP-2008 21:57:33; Dark ; 48.5; 9; Alp Eri ; 0.45; 24000;occ; 97; 0;34266
7; 1085.9; 18-SEP-2008 22:03:12; Dark ; 40.5; 84; Alp Phe ; 2.40; 4500;occ; 81; 0;34266
8; 1534.1; 18-SEP-2008 22:10:40; Dark ; 55.0; 52; 16Bet Cet ; 2.04; 4500;occ; 110; 0;34266
9; 2172.9; 18-SEP-2008 22:21:19; Bright; 39.0; 90; 54Alp Peg ; 2.49; 11000;occ; 78; 0;34266
10; 2401.6; 18-SEP-2008 22:25:08; Bright; 38.5; 93; 53Bet Peg ; 2.52; 3100;occ; 77; 0;34266
11; 2507.3; 18-SEP-2008 22:26:54; Bright; 44.5; 58; 21Alp And ; 2.07; 11000;occ; 89; 0;34266
12; 3007.7; 18-SEP-2008 22:35:14; Bright; 41.0; 74; 11Bet Cas ; 2.27; 6600;occ; 82; 0;34266
13; 3110.1; 18-SEP-2008 22:36:56; Bright; 42.0; 76; 27Gam Cas ; 2.30; 30000;occ; 84; 0;34266
14; 4488.2; 18-SEP-2008 22:59:54; Bright; 46.5; 24; 66Alp Gem ; 1.58; 10200;occ; 93; 0;34266
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4; -85.5; 18-SEP-2008 23:24:17; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;34266
5; 52.6; 18-SEP-2008 23:26:35; Dark ; 55.0; 2; Alp Car ; -0.74; 7000;occ; 110; 0;34267
6; 746.9; 18-SEP-2008 23:38:09; Dark ; 52.0; 9; Alp Eri ; 0.45; 24000;occ; 104; 0;34267
7; 1086.1; 18-SEP-2008 23:43:48; Dark ; 43.0; 84; Alp Phe ; 2.40; 4500;occ; 86; 0;34267
8; 1534.3; 18-SEP-2008 23:51:17; Dark ; 55.5; 52; 16Bet Cet ; 2.04; 4500;occ; 111; 0;34267

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12; 3007.2; 19-SEP-2008 00:15:49; Bright; 40.5; 74; 11Bet Cas ; 2.27; 6600;occ; 81; 0;34267
13; 3109.4; 19-SEP-2008 00:17:32; Bright; 38.5; 76; 27Gam Cas ; 2.30; 30000;occ; 77; 0;34267
14; 4488.3; 19-SEP-2008 00:40:30; Bright; 46.5; 24; 66Alp Gem ; 1.58; 10200;occ; 93; 0;34267
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3; -84.5; 19-SEP-2008 01:04:54; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;34267
4; 53.2; 19-SEP-2008 01:07:11; Dark ; 46.5; 2; Alp Car ; -0.74; 7000;occ; 93; 0;34268
5; 747.5; 19-SEP-2008 01:18:46; Dark ; 49.0; 9; Alp Eri ; 0.45; 24000;occ; 98; 0;34268
6; 1086.6; 19-SEP-2008 01:24:25; Dark ; 42.0; 84; Alp Phe ; 2.40; 4500;occ; 84; 0;34268
7; 1534.4; 19-SEP-2008 01:31:52; Dark ; 54.5; 52; 16Bet Cet ; 2.04; 4500;occ; 109; 0;34268
8; 2172.7; 19-SEP-2008 01:42:31; Bright; 39.0; 90; 54Alp Peg ; 2.49; 11000;occ; 78; 0;34268
9; 2401.2; 19-SEP-2008 01:46:19; Bright; 37.5; 93; 53Bet Peg ; 2.52; 3100;occ; 75; 0;34268
10; 2506.2; 19-SEP-2008 01:48:04; Bright; 46.5; 58; 21Alp And ; 2.07; 11000;occ; 93; 0;34268
11; 3006.8; 19-SEP-2008 01:56:25; Bright; 39.0; 74; 11Bet Cas ; 2.27; 6600;occ; 78; 0;34268
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3; -562.4; 19-SEP-2008 02:37:32; Dark ; 44.0; 132; 15Rho Pup ; 2.80; 6900;occ; 88; 0;34268
4; -430.7; 19-SEP-2008 02:39:43; Dark ; 61.5; 1; 9Alp CMA ; -1.44; 11000;occ; 123; 0;34268
5; -310.1; 19-SEP-2008 02:41:44; Dark ; 47.5; 23; 21Eps CMA ; 1.50; 26000;occ; 95; 0;34268
6; -83.5; 19-SEP-2008 02:45:30; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;34268
7; 53.9; 19-SEP-2008 02:47:48; Dark ; 49.5; 2; Alp Car ; -0.74; 7000;occ; 99; 0;34269
8; 748.0; 19-SEP-2008 02:59:22; Dark ; 42.5; 9; Alp Eri ; 0.45; 24000;occ; 85; 0;34269
9; 1087.0; 19-SEP-2008 03:05:01; Dark ; 42.5; 84; Alp Phe ; 2.40; 4500;occ; 85; 0;34269
10; 1534.7; 19-SEP-2008 03:12:29; Dark ; 51.0; 52; 16Bet Cet ; 2.04; 4500;occ; 102; 0;34269
11; 2172.7; 19-SEP-2008 03:23:07; Bright; 38.5; 90; 54Alp Peg ; 2.49; 11000;occ; 77; 0;34269
12; 2401.1; 19-SEP-2008 03:26:55; Bright; 39.5; 93; 53Bet Peg ; 2.52; 3100;occ; 79; 0;34269
13; 2505.7; 19-SEP-2008 03:28:40; Bright; 44.0; 58; 21Alp And ; 2.07; 11000;occ; 88; 0;34269
14; 3006.5; 19-SEP-2008 03:37:01; Bright; 40.0; 74; 11Bet Cas ; 2.27; 6600;occ; 80; 0;34269
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3; -561.5; 19-SEP-2008 04:18:08; Dark ; 42.0; 132; 15Rho Pup ; 2.80; 6900;occ; 84; 0;34269
4; -429.5; 19-SEP-2008 04:20:20; Dark ; 65.5; 1; 9Alp CMA ; -1.44; 11000;occ; 131; 0;34269
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7; 54.5; 19-SEP-2008 04:28:24; Dark ; 57.0; 2; Alp Car ; -0.74; 7000;occ; 114; 0;34270
8; 748.5; 19-SEP-2008 04:39:58; Dark ; 45.5; 9; Alp Eri ; 0.45; 24000;occ; 91; 0;34270
9; 1087.5; 19-SEP-2008 04:45:37; Dark ; 44.0; 84; Alp Phe ; 2.40; 4500;occ; 88; 0;34270
10; 1534.7; 19-SEP-2008 04:53:05; Dark ; 57.5; 52; 16Bet Cet ; 2.04; 4500;occ; 115; 0;34270
11; 2172.6; 19-SEP-2008 05:03:43; Bright; 38.0; 90; 54Alp Peg ; 2.49; 11000;occ; 76; 0;34270
12; 2400.9; 19-SEP-2008 05:07:31; Bright; 39.5; 93; 53Bet Peg ; 2.52; 3100;occ; 79; 0;34270
13; 2505.1; 19-SEP-2008 05:09:15; Bright; 46.0; 58; 21Alp And ; 2.07; 11000;occ; 92; 0;34270
14; 3006.1; 19-SEP-2008 05:17:36; Bright; 40.0; 74; 11Bet Cas ; 2.27; 6600;occ; 80; 0;34270
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4; -428.3; 19-SEP-2008 06:00:58; Dark ; 63.5; 1; 9Alp CMA ; -1.44; 11000;occ; 127; 0;34270
5; -308.3; 19-SEP-2008 06:02:58; Dark ; 48.5; 23; 21Eps CMA ; 1.50; 26000;occ; 97; 0;34270
6; -81.5; 19-SEP-2008 06:06:44; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;34270
7; 55.2; 19-SEP-2008 06:09:01; Dark ; 42.0; 2; Alp Car ; -0.74; 7000;occ; 84; 0;34271
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11; 2172.4; 19-SEP-2008 06:44:18; Bright; 38.0; 90; 54Alp Peg ; 2.49; 11000;occ; 76; 0;34271
12; 2400.7; 19-SEP-2008 06:48:07; Bright; 37.5; 93; 53Bet Peg ; 2.52; 3100;occ; 75; 0;34271
13; 2504.6; 19-SEP-2008 06:49:51; Bright; 43.0; 58; 21Alp And ; 2.07; 11000;occ; 86; 0;34271
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 7; 31.2; 25-SEP-2008 08:00:43; Dark ; 41.0; 161; Tau Pup ; 2.93; 4500;occ; 82; 0;34358
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 9; 1118.1; 25-SEP-2008 08:18:50; Dark ; 42.5; 84; Alp Phe ; 2.40; 4500;occ; 85; 0;34358
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 9; 5816.9; 25-SEP-2008 09:37:09; Dark ; 51.0; 23; 21Eps CMA ; 1.50; 26000;occ; 102; 0;34358
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13; 7154.2; 25-SEP-2008 09:59:27; Dark ; 40.0; 84; Alp Phe ; 2.40; 4500;occ; 80; 0;34358

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5; -205.4; 26-SEP-2008 05:44:34; Dark ; 50.5; 23; 21Eps CMA ; 1.50; 26000;occ; 101; 0;34370
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8; 796.1; 26-SEP-2008 06:01:15; Dark ; 47.0; 9; Alp Eri ; 0.45; 24000;occ; 94; 0;34371
9; 1122.2; 26-SEP-2008 06:06:42; Dark ; 43.5; 84; Alp Phe ; 2.40; 4500;occ; 87; 0;34371
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13; 2969.9; 26-SEP-2008 06:37:29; Bright; 38.5; 74; 11Bet Cas ; 2.27; 6600;occ; 77; 0;34371
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8; 866.4; 26-SEP-2008 07:43:02; Dark ; 50.0; 157; The1Eri ; 2.91; 9300;occ; 100; 0;34372
9; 1122.6; 26-SEP-2008 07:47:18; Dark ; 44.5; 84; Alp Phe ; 2.40; 4500;occ; 89; 0;34372
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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
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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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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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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
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9; 5950.8; 26-SEP-2008 12:28:58; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;34374
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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
8; 5744.7; 26-SEP-2008 15:46:44; Dark ; 46.0; 88; 31Eta CMA ; 2.45; 20000;occ; 92; 0;34376
9; 5837.3; 26-SEP-2008 15:48:16; Dark ; 50.5; 23; 21Eps CMA ; 1.50; 26000;occ; 101; 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
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7; 4586.5; 26-SEP-2008 17:08:01; Bright; 53.5; 17; 78Bet Gem ; 1.16; 4500;occ; 107; 0;34377
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6; 3055.8; 26-SEP-2008 18:23:07; Bright; 40.5; 76; 27Gam Cas ; 2.30; 30000;occ; 81; 0;34378
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8; 3900.5; 27-SEP-2008 21:26:46; Bright; 34.5; 36; 50Alp UMa ; 1.80; 6300;occ; 69; 0;34394
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6; 4527.3; 27-SEP-2008 11:33:38; Bright; 85.5; 166; 17Eps Leo ; 2.98; 6000;occ; 171; 0;34388
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9; 5674.5; 27-SEP-2008 11:52:45; Dark ; 97.5; 65; Lam Vel ; 2.20; 4400;occ; 195; 0;34388

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13; 6750.1; 27-SEP-2008 13:51:16; Dark ; 38.0; 143; Alp Hyi ; 2.86; 7200;occ; 76; 0;34389
14; 6837.6; 27-SEP-2008 13:52:44; Dark ; 40.0; 9; Alp Eri ; 0.45; 24000;occ; 80; 0;34389
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 7; 803.7; 27-SEP-2008 22:15:45; Dark ; 45.0; 9; Alp Eri ; 0.45; 24000;occ; 90; 0;34395
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3; 2386.3; 29-SEP-2008 13:15:54; Bright; 37.5; 93; 53Bet Peg ; 2.52; 3100;occ; 75; 0;34418
4; 2956.0; 29-SEP-2008 13:25:24; Bright; 39.0; 74; 11Bet Cas ; 2.27; 6600;occ; 78; 0;34418
5; 3038.8; 29-SEP-2008 13:26:47; Bright; 39.5; 76; 27Gam Cas ; 2.30; 30000;occ; 79; 0;34418
6; 3428.8; 29-SEP-2008 13:33:17; Bright; 36.5; 49; 1Alp UMi ; 1.99; 6300;occ; 73; 0;34418
7; 3903.6; 29-SEP-2008 13:41:12; Bright; 34.5; 36; 50Alp UMa ; 1.80; 6300;occ; 69; 0;34418
8; 3993.5; 29-SEP-2008 13:42:42; Bright; 34.0; 82; 48Bet UMa ; 2.37; 10600;occ; 68; 0;34418
9; 4584.5; 29-SEP-2008 13:52:33; Bright; 34.5; 166; 17Eps Leo ; 2.98; 6000;occ; 69; 0;34418
10; 5155.0; 29-SEP-2008 14:02:03; Dark ; 43.5; 48; 30Alp Hya ; 1.98; 4100;occ; 87; 0;34418
11; 5573.3; 29-SEP-2008 14:09:01; Dark ; 43.0; 132; 15Rho Pup ; 2.80; 6900;occ; 86; 0;34418
12; 5735.8; 29-SEP-2008 14:11:44; Dark ; 48.5; 65; Lam Vel ; 2.20; 4400;occ; 97; 0;34418
13; 5888.2; 29-SEP-2008 14:14:16; Dark ; 39.0; 34; Gam2Vel ; 1.79; 23000;occ; 78; 0;34418
14; 5982.1; 29-SEP-2008 14:15:50; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;34418
15; 6110.5; 29-SEP-2008 14:17:59; Dark ; 52.0; 161; Tau Pup ; 2.93; 4500;occ; 104; 0;34418
16; 6194.6; 29-SEP-2008 14:19:23; Dark ; 59.5; 2; Alp Car ;-0.74; 7000;occ; 119; 0;34418
17; 6761.7; 29-SEP-2008 14:28:50; Dark ; 38.0; 143; Alp Hyi ; 2.86; 7200;occ; 76; 0;34418
18; 6849.3; 29-SEP-2008 14:30:17; Dark ; 43.0; 9; Alp Eri ; 0.45; 24000;occ; 86; 0;34418
19; 7172.7; 29-SEP-2008 14:35:41; Dark ; 43.0; 84; Alp Phe ; 2.40; 4500;occ; 86; 0;34418
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3; 2386.4; 29-SEP-2008 14:56:30; Bright; 37.5; 93; 53Bet Peg ; 2.52; 3100;occ; 75; 0;34419
4; 2955.7; 29-SEP-2008 15:06:00; Bright; 37.5; 74; 11Bet Cas ; 2.27; 6600;occ; 75; 0;34419
5; 3038.4; 29-SEP-2008 15:07:22; Bright; 36.5; 76; 27Gam Cas ; 2.30; 30000;occ; 73; 0;34419
6; 3428.8; 29-SEP-2008 15:13:53; Bright; 35.5; 49; 1Alp UMi ; 1.99; 6300;occ; 71; 0;34419
7; 3903.7; 29-SEP-2008 15:21:48; Bright; 36.0; 36; 50Alp UMa ; 1.80; 6300;occ; 72; 0;34419
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12; 5736.4; 29-SEP-2008 15:52:20; Dark ; 38.0; 65; Lam Vel ; 2.20; 4400;occ; 76; 0;34419
13; 5888.9; 29-SEP-2008 15:54:53; Dark ; 40.5; 34; Gam2Vel ; 1.79; 23000;occ; 81; 0;34419
14; 5982.9; 29-SEP-2008 15:56:27; Dark ; 59.0; 0; ; 0.00; 0;occ; 118; 0;34419
15; 6111.4; 29-SEP-2008 15:58:35; Dark ; 41.5; 161; Tau Pup ; 2.93; 4500;occ; 83; 0;34419
16; 6195.4; 29-SEP-2008 15:59:59; Dark ; 46.5; 2; Alp Car ;-0.74; 7000;occ; 93; 0;34419
17; 6762.1; 29-SEP-2008 16:09:26; Dark ; 38.0; 143; Alp Hyi ; 2.86; 7200;occ; 76; 0;34419
18; 6849.8; 29-SEP-2008 16:10:54; Dark ; 46.0; 9; Alp Eri ; 0.45; 24000;occ; 92; 0;34419
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4; 2386.2; 29-SEP-2008 16:37:06; Bright; 38.0; 93; 53Bet Peg ; 2.52; 3100;occ; 76; 0;34420
5; 2955.5; 29-SEP-2008 16:46:36; Bright; 38.5; 74; 11Bet Cas ; 2.27; 6600;occ; 77; 0;34420
6; 3038.1; 29-SEP-2008 16:47:58; Bright; 40.0; 76; 27Gam Cas ; 2.30; 30000;occ; 80; 0;34420
7; 3428.8; 29-SEP-2008 16:54:29; Bright; 37.0; 49; 1Alp UMi ; 1.99; 6300;occ; 74; 0;34420
8; 3903.9; 29-SEP-2008 17:02:24; Bright; 34.0; 36; 50Alp UMa ; 1.80; 6300;occ; 68; 0;34420
9; 3993.7; 29-SEP-2008 17:03:54; Bright; 33.5; 82; 48Bet UMa ; 2.37; 10600;occ; 67; 0;34420

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 13; 5736.7; 29-SEP-2008 17:32:57; Dark ; 43.0; 65; Lam Vel ; 2.20; 4400;occ; 86; 0;34420  
 14; 5889.5; 29-SEP-2008 17:35:30; Dark ; 39.0; 34; Gam2Vel ; 1.79; 23000;occ; 78; 0;34420  
 15; 5983.6; 29-SEP-2008 17:37:04; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;34420  
 16; 6112.1; 29-SEP-2008 17:39:12; Dark ; 48.0; 161; Tau Pup ; 2.93; 4500;occ; 96; 0;34420  
 17; 6196.2; 29-SEP-2008 17:40:36; Dark ; 47.5; 2; Alp Car ; -0.74; 7000;occ; 95; 0;34420  
 18; 6762.6; 29-SEP-2008 17:50:03; Dark ; 38.5; 143; Alp Hyi ; 2.86; 7200;occ; 77; 0;34420  
 19; 6850.2; 29-SEP-2008 17:51:30; Dark ; 50.0; 9; Alp Eri ; 0.45; 24000;occ; 100; 0;34420

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 5; 2955.1; 29-SEP-2008 18:27:11; Bright; 38.5; 74; 11Bet Cas ; 2.27; 6600;occ; 77; 0;34421  
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 7; 3428.8; 29-SEP-2008 18:35:05; Bright; 37.5; 49; 1Alp UMi ; 1.99; 6300;occ; 75; 0;34421  
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 9; 3993.8; 29-SEP-2008 18:44:30; Bright; 34.5; 82; 48Bet UMa ; 2.37; 10600;occ; 69; 0;34421  
 10; 4585.1; 29-SEP-2008 18:54:21; Bright; 34.5; 166; 17Eps Leo ; 2.98; 6000;occ; 69; 0;34421  
 11; 5156.1; 29-SEP-2008 19:03:52; Dark ; 46.5; 48; 30Alp Hya ; 1.98; 4100;occ; 93; 0;34421  
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 15; 5984.3; 29-SEP-2008 19:17:40; Dark ; 59.0; 0; ; 0.00; 0;occ; 118; 0;34421  
 16; 6112.8; 29-SEP-2008 19:19:49; Dark ; 42.5; 161; Tau Pup ; 2.93; 4500;occ; 85; 0;34421  
 17; 6196.9; 29-SEP-2008 19:21:13; Dark ; 47.0; 2; Alp Car ; -0.74; 7000;occ; 94; 0;34421  
 18; 6762.8; 29-SEP-2008 19:30:39; Dark ; 38.5; 143; Alp Hyi ; 2.86; 7200;occ; 77; 0;34421  
 19; 6850.5; 29-SEP-2008 19:32:07; Dark ; 50.5; 9; Alp Eri ; 0.45; 24000;occ; 101; 0;34421

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 6; 163.1; 30-SEP-2008 00:23:03; Dark ; 56.5; 2; Alp Car ; -0.74; 7000;occ; 113; 0;34425  
 7; 728.0; 30-SEP-2008 00:32:28; Dark ; 38.0; 143; Alp Hyi ; 2.86; 7200;occ; 76; 0;34425  
 8; 815.6; 30-SEP-2008 00:33:55; Dark ; 39.5; 9; Alp Eri ; 0.45; 24000;occ; 79; 0;34425  
 9; 1138.3; 30-SEP-2008 00:39:18; Dark ; 42.5; 84; Alp Phe ; 2.40; 4500;occ; 85; 0;34425  
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 11; 2167.3; 30-SEP-2008 00:56:27; Bright; 36.0; 90; 54Alp Peg ; 2.49; 11000;occ; 72; 0;34425  
 12; 2386.1; 30-SEP-2008 01:00:06; Bright; 52.0; 93; 53Bet Peg ; 2.52; 3100;occ; 104; 0;34425  
 13; 2954.1; 30-SEP-2008 01:09:34; Bright; 36.5; 74; 11Bet Cas ; 2.27; 6600;occ; 73; 0;34425  
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 15; 3428.6; 30-SEP-2008 01:17:28; Bright; 35.5; 49; 1Alp UMi ; 1.99; 6300;occ; 71; 0;34425  
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 17; 3994.2; 30-SEP-2008 01:26:54; Bright; 34.0; 82; 48Bet UMa ; 2.37; 10600;occ; 68; 0;34425  
 18; 4585.8; 30-SEP-2008 01:36:45; Bright; 35.0; 166; 17Eps Leo ; 2.98; 6000;occ; 70; 0;34425  
 19; 5157.5; 30-SEP-2008 01:46:17; Dark ; 46.5; 48; 30Alp Hya ; 1.98; 4100;occ; 93; 0;34425

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 4; -48.7; 30-SEP-2008 02:00:07; Dark ; 59.0; 0; ; 0.00; 0;occ; 118; 0;34425  
 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  
 9; 1138.7; 30-SEP-2008 02:19:54; Dark ; 43.5; 84; Alp Phe ; 2.40; 4500;occ; 87; 0;34426  
 10; 1556.2; 30-SEP-2008 02:26:52; Dark ; 46.0; 52; 16Bet Cet ; 2.04; 4500;occ; 92; 0;34426  
 11; 2167.4; 30-SEP-2008 02:37:03; Bright; 36.0; 90; 54Alp Peg ; 2.49; 11000;occ; 72; 0;34426  
 12; 2386.1; 30-SEP-2008 02:40:42; Bright; 38.5; 93; 53Bet Peg ; 2.52; 3100;occ; 77; 0;34426  
 13; 2953.8; 30-SEP-2008 02:50:09; Bright; 36.5; 74; 11Bet Cas ; 2.27; 6600;occ; 73; 0;34426  
 14; 3035.6; 30-SEP-2008 02:51:31; Bright; 39.0; 76; 27Gam Cas ; 2.30; 30000;occ; 78; 0;34426  
 15; 3428.6; 30-SEP-2008 02:58:04; Bright; 33.5; 49; 1Alp UMi ; 1.99; 6300;occ; 67; 0;34426  
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5; -456.2; 30-SEP-2008 03:33:55; Dark ; 45.5; 132; 15Rho Pup ; 2.80; 6900;occ; 91; 0;34426
6; -297.2; 30-SEP-2008 03:36:34; Dark ; 42.0; 65; Lam Vel ; 2.20; 4400;occ; 84; 0;34426
7; -143.2; 30-SEP-2008 03:39:08; Dark ; 40.5; 34; Gam2Vel ; 1.79; 23000;occ; 81; 0;34426
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12; 1139.4; 30-SEP-2008 05:41:07; Dark ; 40.5; 84; Alp Phe ; 2.40; 4500;occ; 81; 0;34428
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