

GOMOS Daily Report 17-SEP-2010

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	25SEP2010 05:09:52
Data source version	GOMOS/5.01
Start time of products	17SEP2010 00:03:34
Stop time of products	17SEP2010 23:56:04
Store outputs in DB	Yes
Nb of level 1b prods	76
Nb of prods with errors	0

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

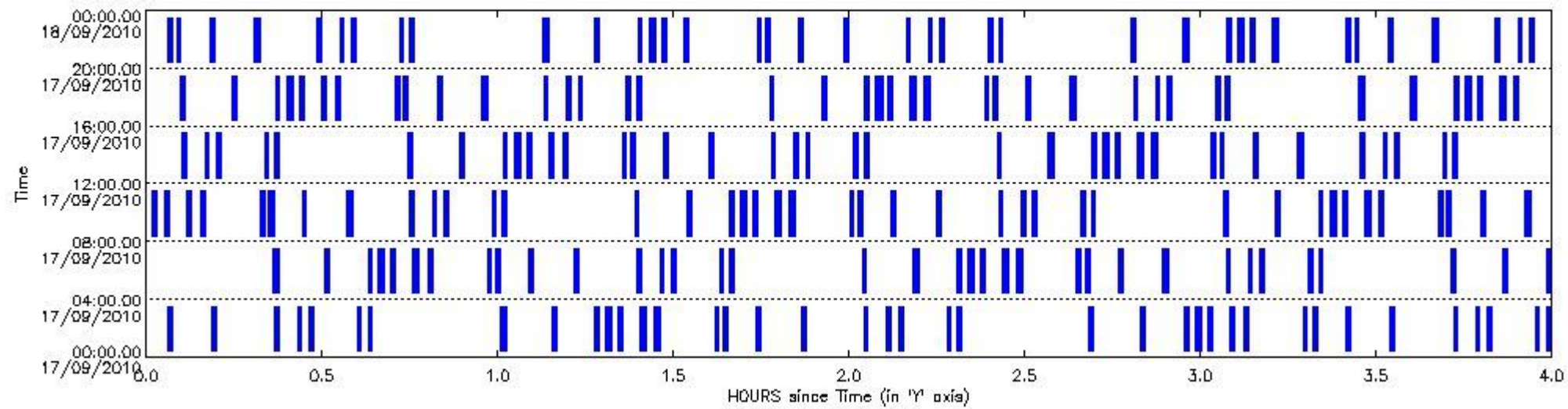
2.1 Level 0 products arrived in PCF (see template [here](#))

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)

No missing products.

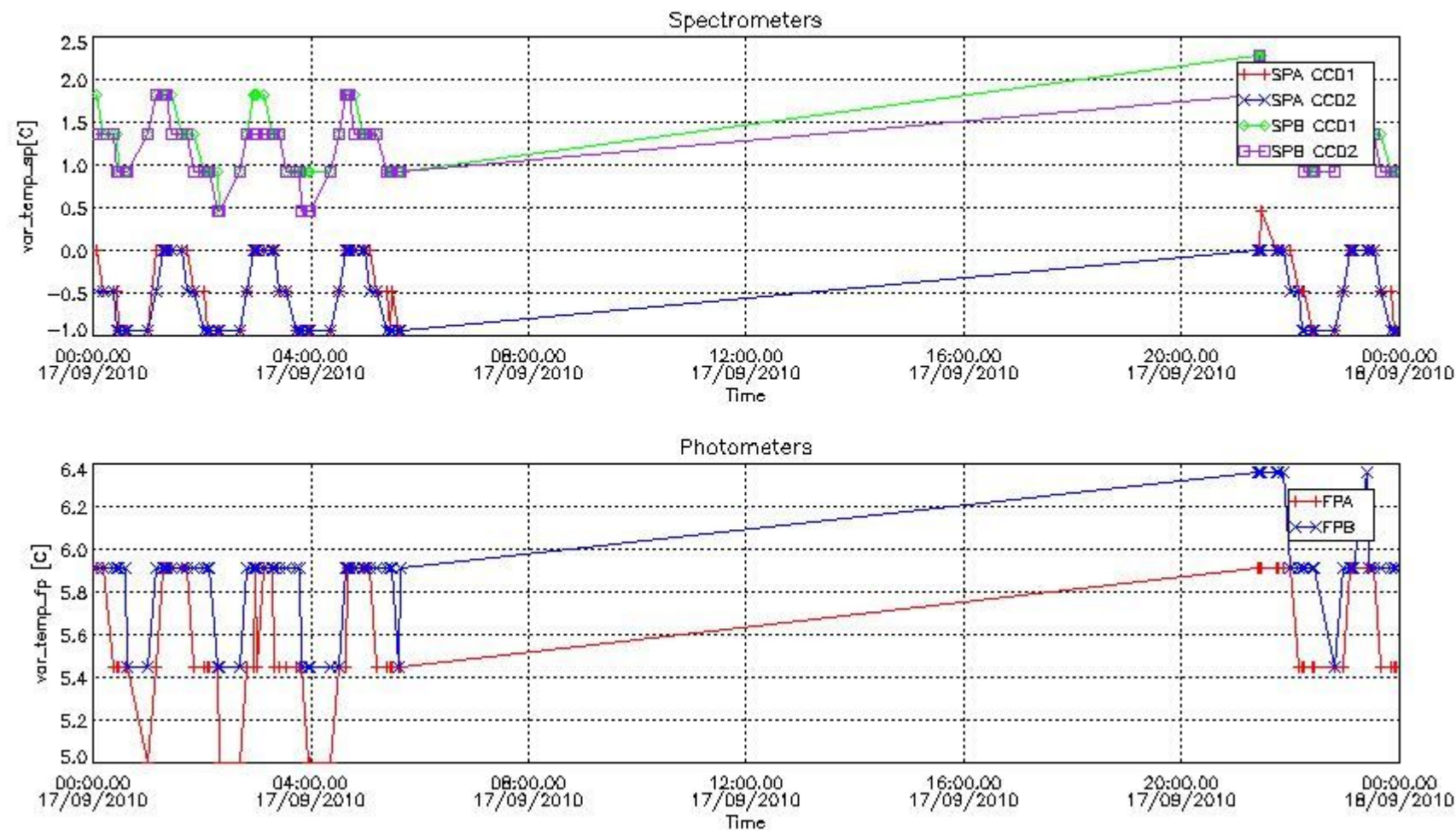
2.4 Summary of processed GOM_TRA_1P products

Nr	Filename	UTC Start time	Limb	Duration	Star Id	Star Name	Star Mag	Star Temp	Nb Meas	Orbit	Prod. error
1	GOM_TRA_1PNPDE20100917_000334_000000472093_00045_44688_3920.N1	17-SEP-2010 00:03:34	Straylight	46.500	84	Alp Phe	2.3970	4500.0	93	44688	No
2	GOM_TRA_1PNPDE20100917_001110_000000472093_00045_44688_3921.N1	17-SEP-2010 00:11:10	Twilight_and_stray	47.000	52	16Bet Cet	2.0370	4500.0	94	44688	No
3	GOM_TRA_1PNPDE20100917_002159_000000402093_00045_44688_3922.N1	17-SEP-2010 00:21:59	Bright	39.500	90	54Alp Peg	2.4870	11000.	79	44688	No
4	GOM_TRA_1PNPDE20100917_002550_000000422093_00045_44688_3923.N1	17-SEP-2010 00:25:50	Bright	41.500	93	53Bet Peg	2.5200	3100.0	83	44688	No
5	GOM_TRA_1PNPDE20100917_002750_000000482093_00045_44688_3924.N1	17-SEP-2010 00:27:50	Bright	47.500	58	21Alp And	2.0730	11000.	95	44688	No
6	GOM_TRA_1PNPDE20100917_003604_000000372093_00045_44688_3925.N1	17-SEP-2010 00:36:04	Bright	37.000	74	11Bet Cas	2.2680	6600.0	74	44688	No
7	GOM_TRA_1PNPDE20100917_003750_000000442093_00045_44688_3926.N1	17-SEP-2010 00:37:50	Bright	44.000	76	27Gam Cas	2.3000	30000.	88	44688	No
8	GOM_TRA_1PNPDE20100917_010025_000000582093_00045_44688_3927.N1	17-SEP-2010 01:00:25	Bright	58.000	24	66Alp Gem	1.5800	10200.	116	44688	No
9	GOM_TRA_1PNPDE20100917_010911_000000622093_00045_44688_3928.N1	17-SEP-2010 01:09:11	Dark	62.000	8	10Alp CMi	0.40000	6500.0	124	44688	No
10	GOM_TRA_1PNPDE20100917_011636_000000402093_00045_44688_3944.N1	17-SEP-2010 01:16:36	Dark	40.000	132	15Rho Pup	2.8030	6900.0	80	44688	No
11	GOM_TRA_1PNPDE20100917_011824_000000602093_00045_44688_3945.N1	17-SEP-2010 01:18:24	Dark	59.500	1	9Alp CMa	-1.4400	11000.	119	44688	No
12	GOM_TRA_1PNPDE20100917_012034_000000492093_00045_44688_3946.N1	17-SEP-2010 01:20:34	Dark	48.500	23	21Eps CMa	1.5020	26000.	97	44688	No

13	GOM_TRA_1PNPDE20100917_012648_000000542093_00046_44689_3947.N1	17-SEP-2010 01:26:48	Dark	53.500	2	Alp Car	-0.73600	7000.0	107	44689	No
14	GOM_TRA_1PNPDE20100917_013702_000000382093_00046_44689_3948.N1	17-SEP-2010 01:37:02	Dark	37.500	143	Alp Hyi	2.8570	7200.0	75	44689	No
15	GOM_TRA_1PNPDE20100917_013827_000000492093_00046_44689_3949.N1	17-SEP-2010 01:38:27	Dark	48.500	9	Alp Eri	0.45300	24000.	97	44689	No
16	GOM_TRA_1PNPDE20100917_014410_000000452093_00046_44689_3950.N1	17-SEP-2010 01:44:10	Straylight	44.500	84	Alp Phe	2.3970	4500.0	89	44689	No
17	GOM_TRA_1PNPDE20100917_015147_000000472093_00046_44689_3951.N1	17-SEP-2010 01:51:47	Twilight	47.000	52	16Bet Cet	2.0370	4500.0	94	44689	No
18	GOM_TRA_1PNPDE20100917_020235_000000402093_00046_44689_3952.N1	17-SEP-2010 02:02:35	Bright	39.500	90	54Alp Peg	2.4870	11000.	79	44689	No
19	GOM_TRA_1PNPDE20100917_020626_000000392093_00046_44689_3953.N1	17-SEP-2010 02:06:26	Bright	38.500	93	53Bet Peg	2.5200	3100.0	77	44689	No
20	GOM_TRA_1PNPDE20100917_020825_000000482093_00046_44689_3954.N1	17-SEP-2010 02:08:25	Bright	48.000	58	21Alp And	2.0730	11000.	96	44689	No
21	GOM_TRA_1PNPDE20100917_021639_000000422093_00046_44689_3955.N1	17-SEP-2010 02:16:39	Bright	41.500	74	11Bet Cas	2.2680	6600.0	83	44689	No
22	GOM_TRA_1PNPDE20100917_021825_000000422093_00046_44689_3956.N1	17-SEP-2010 02:18:25	Bright	41.500	76	27Gam Cas	2.3000	30000.	83	44689	No
23	GOM_TRA_1PNPDE20100917_024101_000000452093_00046_44689_3957.N1	17-SEP-2010 02:41:01	Bright	45.000	24	66Alp Gem	1.5800	10200.	90	44689	No
24	GOM_TRA_1PNPDE20100917_024947_000000532093_00046_44689_3958.N1	17-SEP-2010 02:49:47	Dark	53.000	8	10Alp CMi	0.40000	6500.0	106	44689	No
25	GOM_TRA_1PNPDE20100917_025712_000000422093_00046_44689_3959.N1	17-SEP-2010 02:57:12	Dark	42.000	132	15Rho Pup	2.8030	6900.0	84	44689	No
26	GOM_TRA_1PNPDE20100917_025901_000000622093_00046_44689_3960.N1	17-SEP-2010 02:59:01	Dark	62.000	1	9Alp CMa	-1.4400	11000.	124	44689	No
27	GOM_TRA_1PNPDE20100917_030111_000000512093_00046_44689_3961.N1	17-SEP-2010 03:01:11	Dark	51.000	23	21Eps CMa	1.5020	26000.	102	44689	No
28	GOM_TRA_1PNPDE20100917_030724_000000562093_00047_44690_3962.N1	17-SEP-2010 03:07:24	Dark	55.500	2	Alp Car	-0.73600	7000.0	111	44690	No
29	GOM_TRA_1PNPDE20100917_031738_000000372093_00047_44690_3963.N1	17-SEP-2010 03:17:38	Dark	37.000	143	Alp Hyi	2.8570	7200.0	74	44690	No
30	GOM_TRA_1PNPDE20100917_031904_000000532093_00047_44690_3964.N1	17-SEP-2010 03:19:04	Dark	52.500	9	Alp Eri	0.45300	24000.	105	44690	No
31	GOM_TRA_1PNPDE20100917_032446_000000462093_00047_44690_3965.N1	17-SEP-2010 03:24:46	Straylight	46.000	84	Alp Phe	2.3970	4500.0	92	44690	No
32	GOM_TRA_1PNPDE20100917_033223_000000532093_00047_44690_3966.N1	17-SEP-2010 03:32:23	Twilight	53.000	52	16Bet Cet	2.0370	4500.0	106	44690	No
33	GOM_TRA_1PNPDE20100917_034311_000000392093_00047_44690_3967.N1	17-SEP-2010 03:43:11	Bright	38.500	90	54Alp Peg	2.4870	11000.	77	44690	No
34	GOM_TRA_1PNPDE20100917_034702_000000392093_00047_44690_3968.N1	17-SEP-2010 03:47:02	Bright	39.000	93	53Bet Peg	2.5200	3100.0	78	44690	No
35	GOM_TRA_1PNPDE20100917_034901_000000492093_00047_44690_3969.N1	17-SEP-2010 03:49:01	Bright	48.500	58	21Alp And	2.0730	11000.	97	44690	No
36	GOM_TRA_1PNPDE20100917_035715_000000392093_00047_44690_3974.N1	17-SEP-2010 03:57:15	Bright	38.500	74	11Bet Cas	2.2680	6600.0	77	44690	No
37	GOM_TRA_1PNPDE20100917_035901_000000412093_00047_44690_3975.N1	17-SEP-2010 03:59:01	Bright	41.000	76	27Gam Cas	2.3000	30000.	82	44690	No
38	GOM_TRA_1PNPDE20100917_042137_000000632093_00047_44690_3976.N1	17-SEP-2010 04:21:37	Bright	63.000	24	66Alp Gem	1.5800	10200.	126	44690	No
39	GOM_TRA_1PNPDE20100917_043024_000000532093_00047_44690_3977.N1	17-SEP-2010 04:30:24	Dark	52.500	8	10Alp CMi	0.40000	6500.0	105	44690	No
40	GOM_TRA_1PNPDE20100917_043749_000000432093_00047_44690_3978.N1	17-SEP-2010 04:37:49	Dark	42.500	132	15Rho Pup	2.8030	6900.0	85	44690	No
41	GOM_TRA_1PNPDE20100917_043938_000000592093_00047_44690_3979.N1	17-SEP-2010 04:39:38	Dark	58.500	1	9Alp CMa	-1.4400	11000.	117	44690	No
42	GOM_TRA_1PNPDE20100917_044148_000000482093_00047_44690_3980.N1	17-SEP-2010 04:41:48	Dark	48.000	23	21Eps CMa	1.5020	26000.	96	44690	No
43	GOM_TRA_1PNPDE20100917_044801_000000522093_00048_44691_3981.N1	17-SEP-2010 04:48:01	Dark	51.500	2	Alp Car	-0.73600	7000.0	103	44691	No
44	GOM_TRA_1PNPDE20100917_045814_000000412093_00048_44691_3982.N1	17-SEP-2010 04:58:14	Dark	41.000	143	Alp Hyi	2.8570	7200.0	82	44691	No
45	GOM_TRA_1PNPDE20100917_045940_000000432093_00048_44691_3983.N1	17-SEP-2010 04:59:40	Dark	42.500	9	Alp Eri	0.45300	24000.	85	44691	No
46	GOM_TRA_1PNPDE20100917_050523_000000462093_00048_44691_3984.N1	17-SEP-2010 05:05:23	Straylight	46.000	84	Alp Phe	2.3970	4500.0	92	44691	No
47	GOM_TRA_1PNPDE20100917_051259_000000532093_00048_44691_3985.N1	17-SEP-2010 05:12:59	Twilight	53.000	52	16Bet Cet	2.0370	4500.0	106	44691	No
48	GOM_TRA_1PNPDE20100917_052347_000000402093_00048_44691_3986.N1	17-SEP-2010 05:23:47	Bright	39.500	90	54Alp Peg	2.4870	11000.	79	44691	No
49	GOM_TRA_1PNPDE20100917_052738_000000382093_00048_44691_3987.N1	17-SEP-2010 05:27:38	Bright	37.500	93	53Bet Peg	2.5200	3100.0	75	44691	No
50	GOM_TRA_1PNPDE20100917_052936_000000472093_00048_44691_3988.N1	17-SEP-2010 05:29:36	Bright	47.000	58	21Alp And	2.0730	11000.	94	44691	No
51	GOM_TRA_1PNPDE20100917_053750_000000422093_00048_44691_3989.N1	17-SEP-2010 05:37:50	Bright	42.000	74	11Bet Cas	2.2680	6600.0	84	44691	No
52	GOM_TRA_1PNPDE20100917_053936_000000432093_00048_44691_3990.N1	17-SEP-2010 05:39:36	Bright	42.500	76	27Gam Cas	2.3000	30000.	85	44691	No
53	GOM_TRA_1PNPDE20100917_212353_000000442093_00057_44700_4112.N1	17-SEP-2010 21:23:53	Dark	43.500	132	15Rho Pup	2.8030	6900.0	87	44700	No
54	GOM_TRA_1PNPDE20100917_212549_000000632093_00057_44700_4113.N1	17-SEP-2010 21:25:49	Dark	62.500	1	9Alp CMa	-1.4400	11000.	125	44700	No
55	GOM_TRA_1PNPDE20100917_212756_000000492093_00057_44700_4114.N1	17-SEP-2010 21:27:56	Dark	48.500	23	21Eps CMa	1.5020	26000.	97	44700	No
56	GOM_TRA_1PNPDE20100917_214418_000000412093_00058_44701_4115.N1	17-SEP-2010 21:44:18	Dark	40.500	143	Alp Hyi	2.8570	7200.0	81	44701	No
57	GOM_TRA_1PNPDE20100917_214544_000000482093_00058_44701_4116.N1	17-SEP-2010 21:45:44	Dark	48.000	9	Alp Eri	0.45300	24000.	96	44701	No
58	GOM_TRA_1PNPDE20100917_215126_000000432093_00058_44701_4117.N1	17-SEP-2010 21:51:26	Straylight	43.000	84	Alp Phe	2.3970	4500.0	86	44701	No
59	GOM_TRA_1PNPDE20100917_215859_000000582093_00058_44701_4118.N1	17-SEP-2010 21:58:59	Twilight	58.000	52	16Bet Cet	2.0370	4500.0	116	44701	No
60	GOM_TRA_1PNPDE20100917_220944_000000392093_00058_44701_4119.N1	17-SEP-2010 22:09:44	Bright	38.500	90	54Alp Peg	2.4870	11000.	77	44701	No
61	GOM_TRA_1PNPDE20100917_221334_000000382093_00058_44701_4120.N1	17-SEP-2010 22:13:34	Bright	37.500	93	53Bet Peg	2.5200	3100.0	75	44701	No
62	GOM_TRA_1PNPDE20100917_221529_000000442093_00058_44701_4121.N1	17-SEP-2010 22:15:29	Bright	44.000	58	21Alp And	2.0730	11000.	88	44701	No
63	GOM_TRA_1PNPDE20100917_222345_000000432093_00058_44701_4122.N1	17-SEP-2010 22:23:45	Bright	43.000	74	11Bet Cas	2.2680	6600.0	86	44701	No
64	GOM_TRA_1PNPDE20100917_222530_000000432093_00058_44701_4123.N1	17-SEP-2010 22:25:30	Bright	43.000	76	27Gam Cas	2.3000	30000.	86	44701	No
65	GOM_TRA_1PNPDE20100917_224813_000000452093_00058_44701_4124.N1	17-SEP-2010 22:48:13	Bright	44.500	24	66Alp Gem	1.5800	10200.	89	44701	No
66	GOM_TRA_1PNPDE20100917_225705_000000592093_00058_44701_4125.N1	17-SEP-2010 22:57:05	Dark	59.000	8	10Alp CMi	0.40000	6500.0	118	44701	No
67	GOM_TRA_1PNPDE20100917_230430_000000422093_00058_44701_4861.N1	17-SEP-2010 23:04:30	Dark	41.500	132	15Rho Pup	2.8030	6900.0	83	44701	No
68	GOM_TRA_1PNPDE20100917_230626_000000632093_00058_44701_4862.N1	17-SEP-2010 23:06:26	Dark	63.000	1	9Alp CMa	-1.4400	11000.	126	44701	No
69	GOM_TRA_1PNPDE20100917_230833_000000512093_00058_44701_4863.N1	17-SEP-2010 23:08:33	Dark	50.500	23	21Eps CMa	1.5020	26000.	101	44701	No
70	GOM_TRA_1PNPDE20100917_232455_000000392093_00059_44702_4864.N1	17-SEP-2010 23:24:55	Dark	39.000	143	Alp Hyi	2.8570	7200.0	78	44702	No
71	GOM_TRA_1PNPDE20100917_232621_000000442093_00059_44702_4865.N1	17-SEP-2010 23:26:21	Dark	44.000	9	Alp Eri	0.45300	24000.	88	44702	No

72	GOM_TRA_1PNPDE20100917_233202_000000532093_00059_44702_4866.N1	17-SEP-2010 23:32:02	Straylight	53.000	84	Alp Phe	2.3970	4500.0	106	44702	No
73	GOM_TRA_1PNPDE20100917_233936_000000592093_00059_44702_4867.N1	17-SEP-2010 23:39:36	Twilight_stray	59.000	52	16Bet Cet	2.0370	4500.0	118	44702	No
74	GOM_TRA_1PNPDE20100917_235020_000000402093_00059_44702_4868.N1	17-SEP-2010 23:50:20	Bright	39.500	90	54Alp Peg	2.4870	11000.	79	44702	No
75	GOM_TRA_1PNPDE20100917_235410_000000422093_00059_44702_4869.N1	17-SEP-2010 23:54:10	Bright	42.000	93	53Bet Peg	2.5200	3100.0	84	44702	No
76	GOM_TRA_1PNPDE20100917_235604_000000472093_00059_44702_4870.N1	17-SEP-2010 23:56:04	Bright	47.000	58	21Alp And	2.0730	11000.	94	44702	No

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



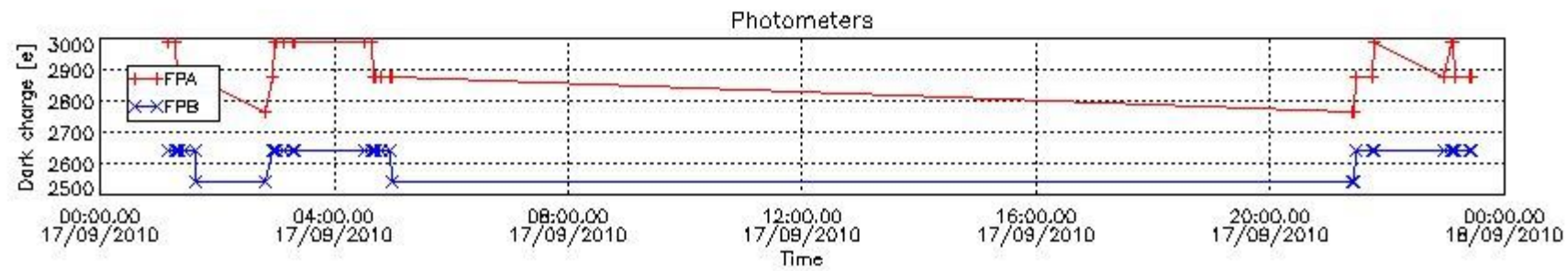
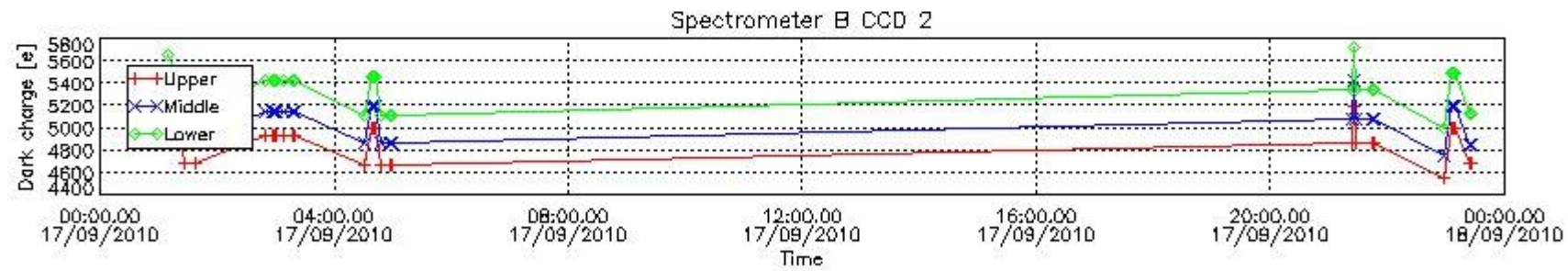
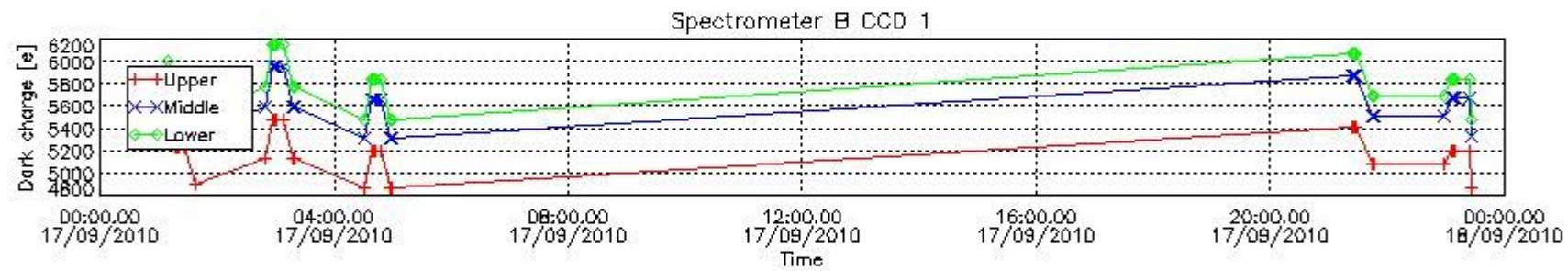
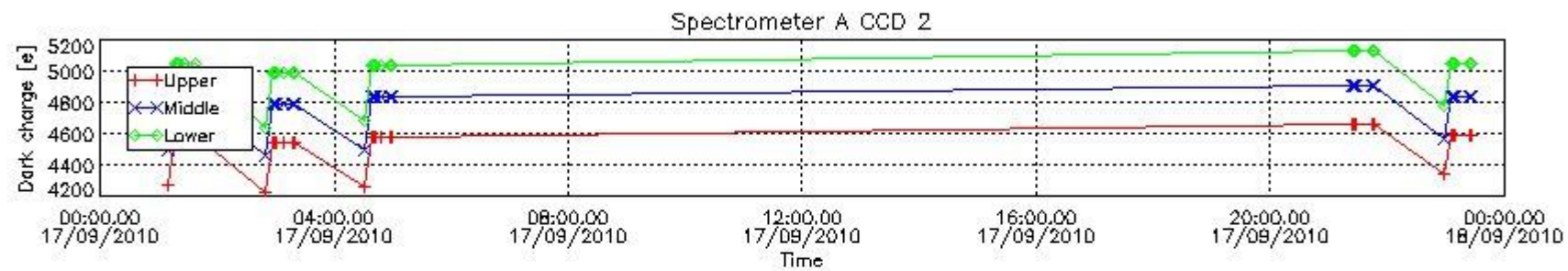
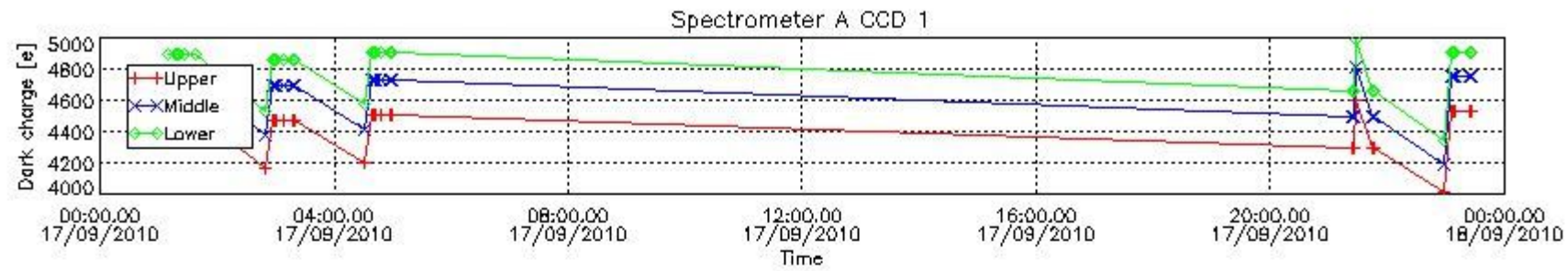
4. Overview of dark signal processing per product

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



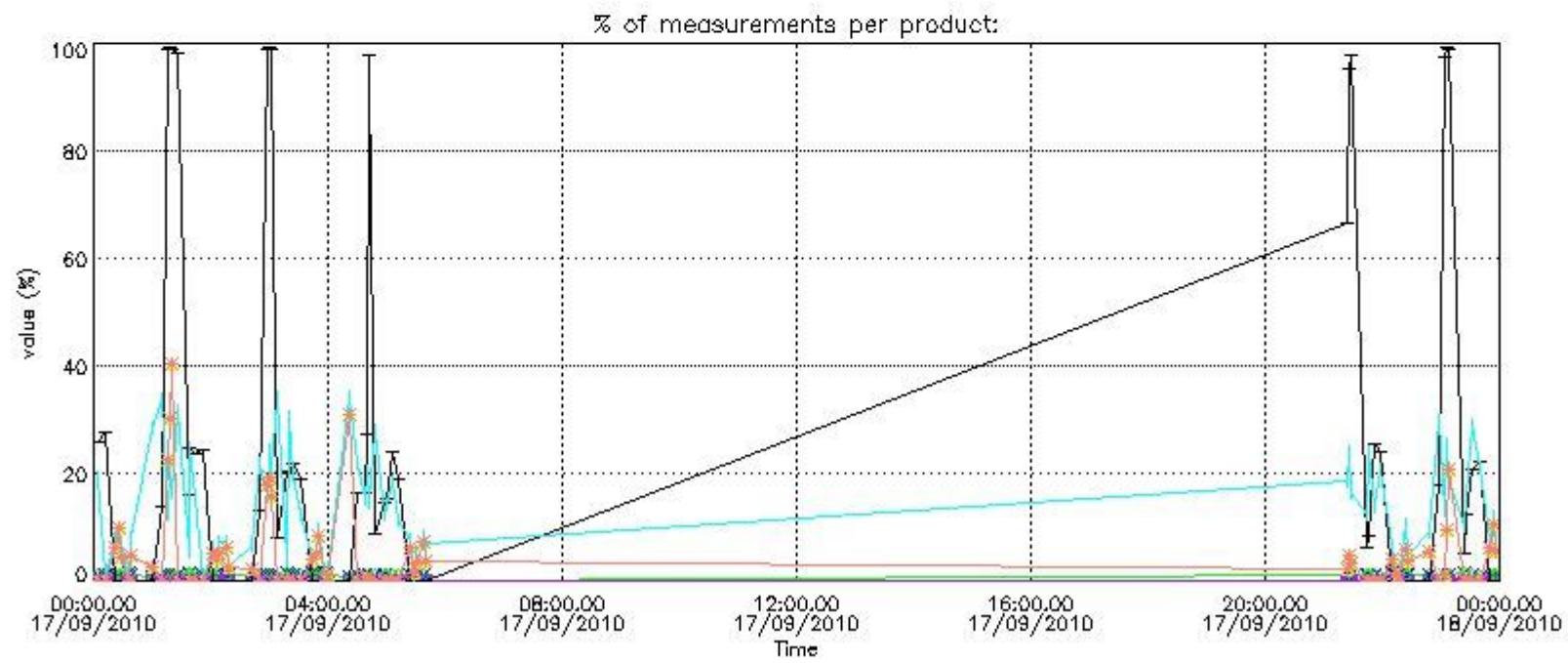
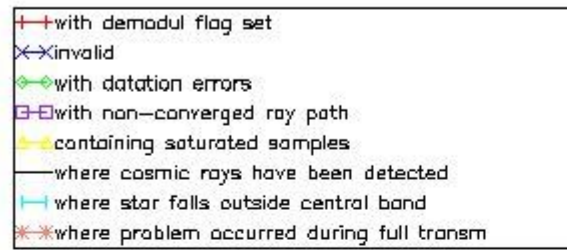
5. Demodulation flag and quality information monitoring

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.

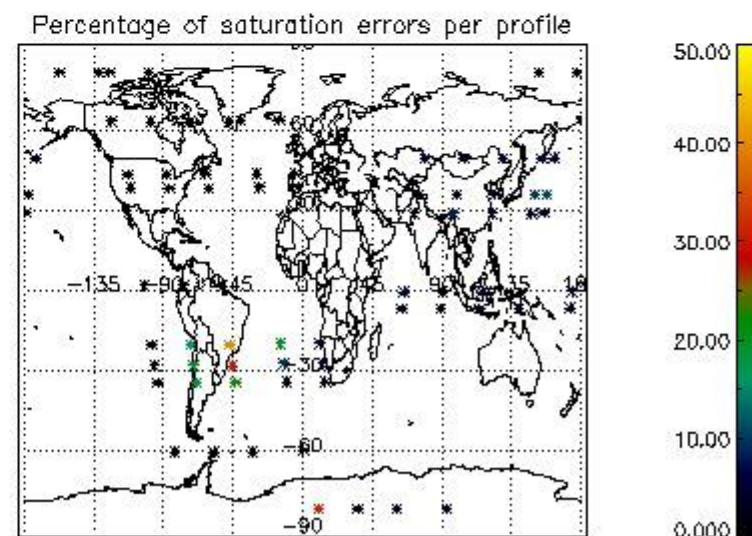
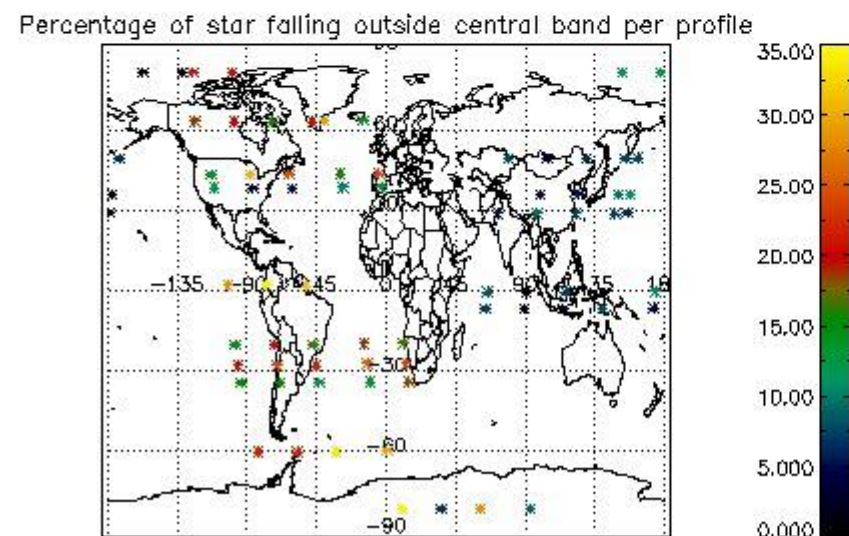
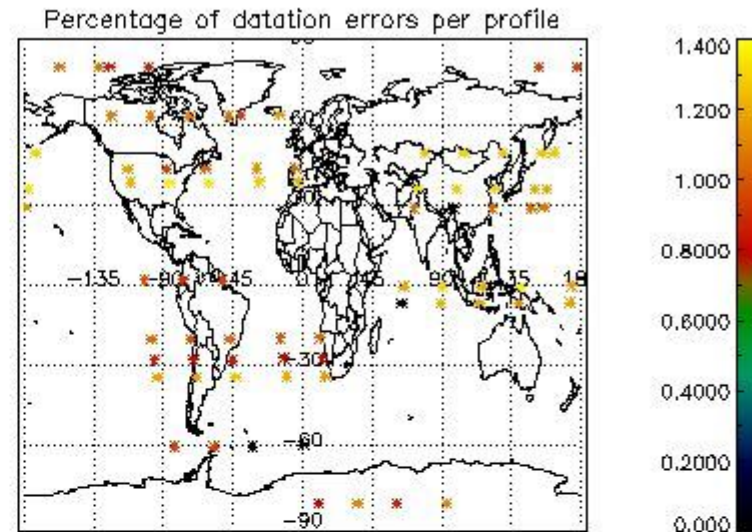
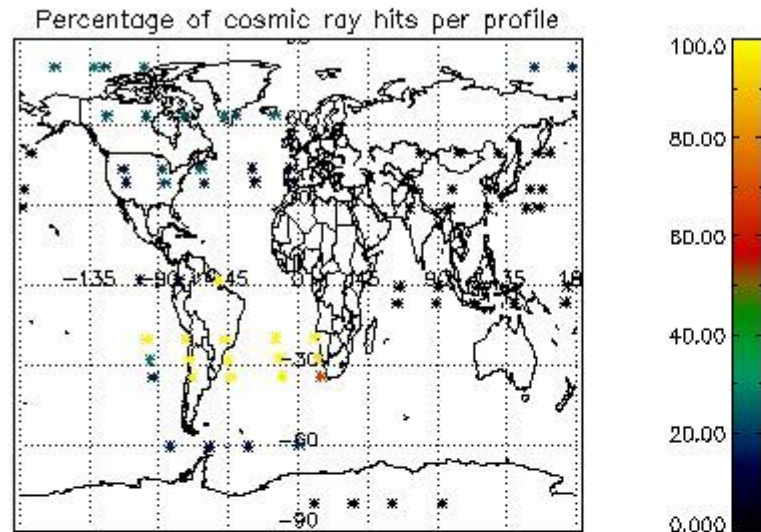
5.1 Percentage of products during reporting period with:

At least one measurement with demodulation flag set:	48.6842 %
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)



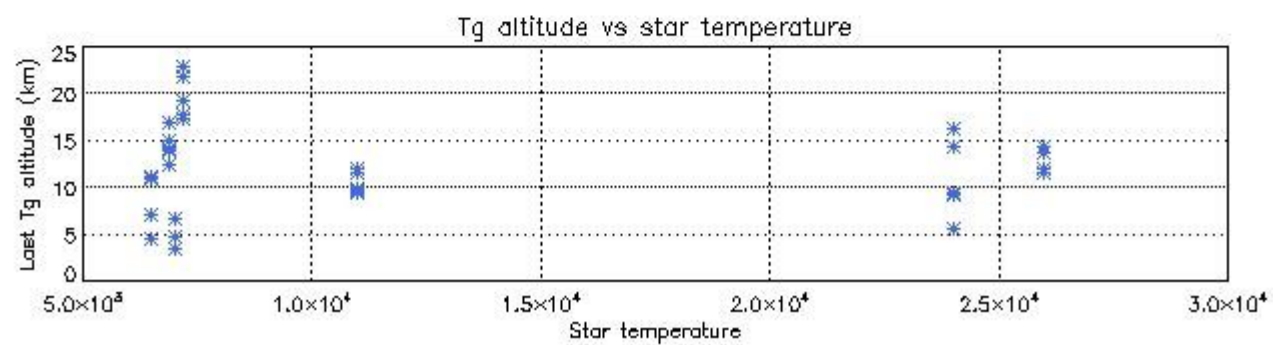
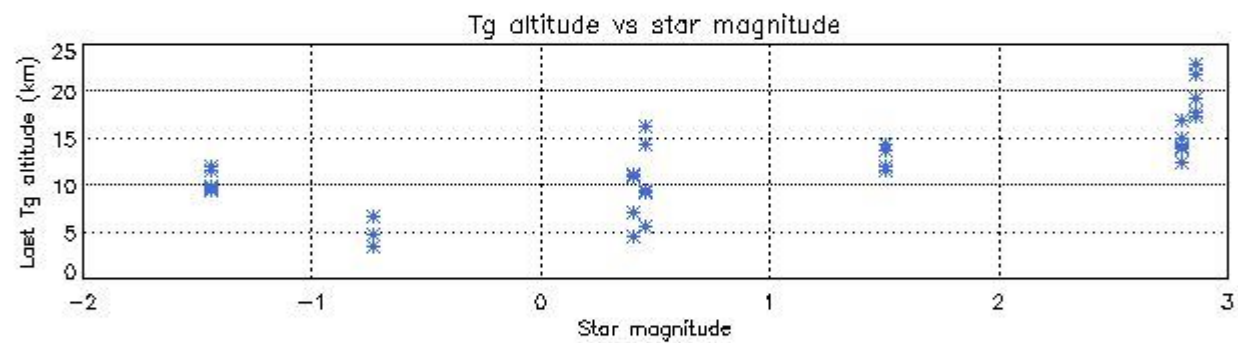
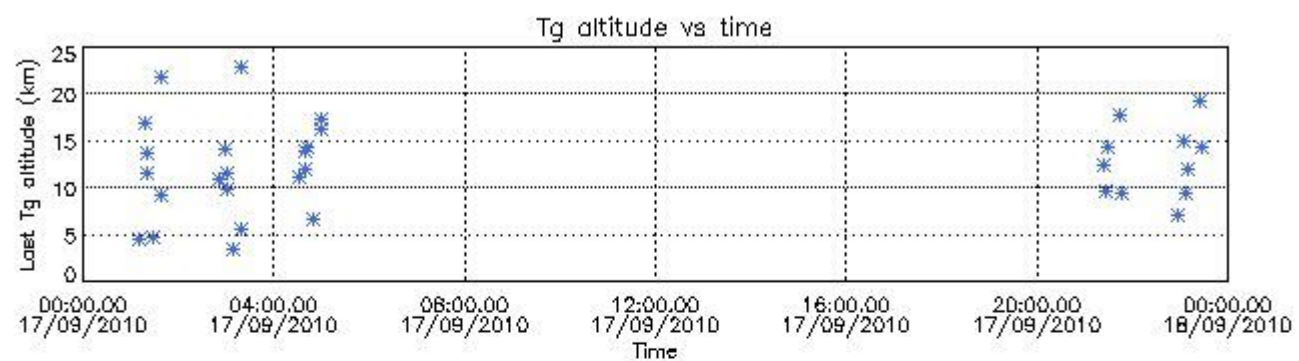
6. Statistics and plot of tangent altitude of the last measurement (DARK & BRIGHT products without errors)

6.1 Statistics on tangent altitude lost:

Statistics	DARK	BRIGHT	TWILIGHT
Mean:	12.256	20.254	NaN
St. deviation:	4.8096	4.6413	NaN
Maximum:	22.944	29.303	NaN
Minimum:	3.3865	4.6243	NaN
Number of data:	32.000	32.000	NaN

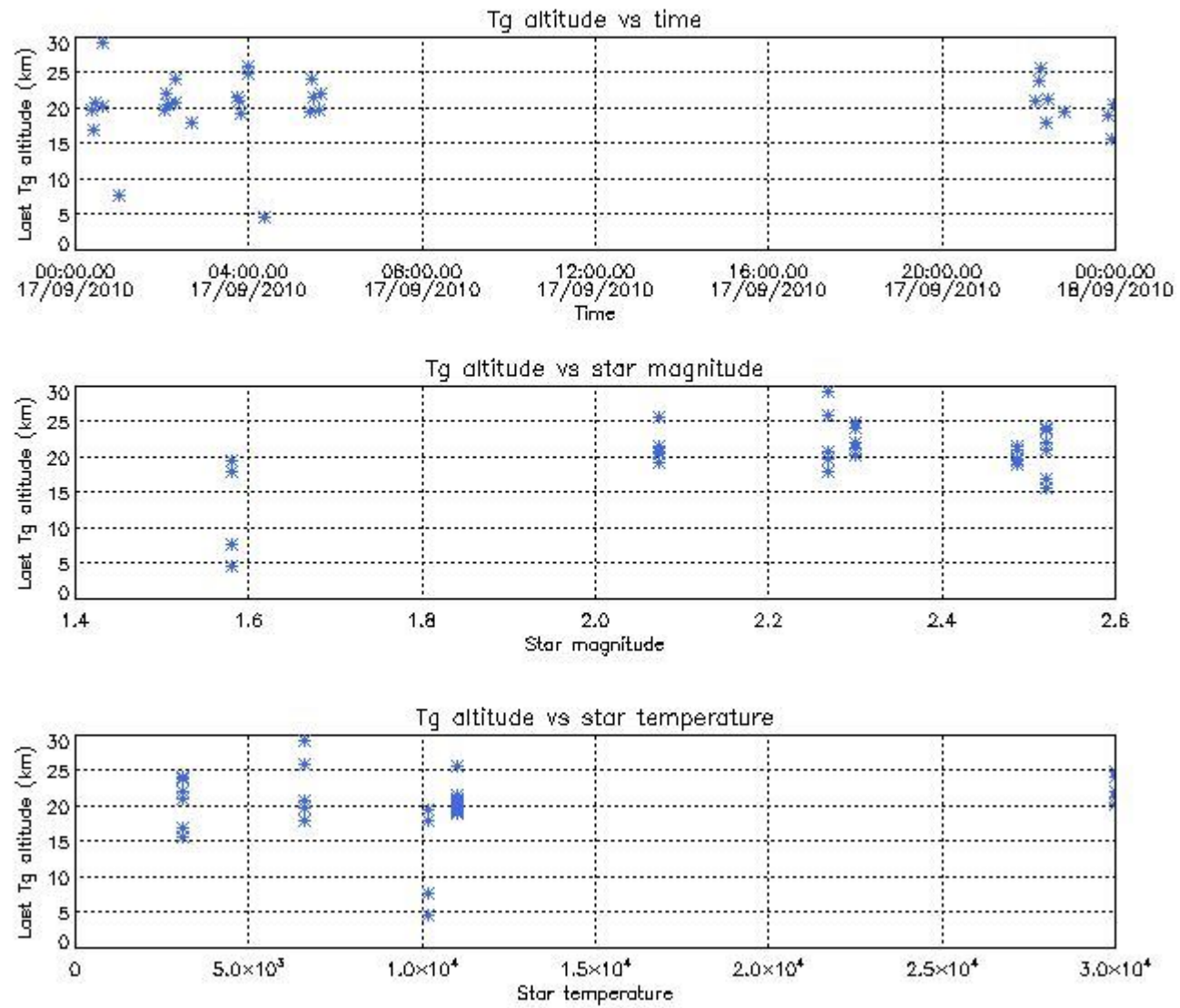
6.2 Plot for DARK limb products

Tangent altitude at which the star is lost



6.3 Plot for BRIGHT limb products

Tangent altitude at which the star is lost

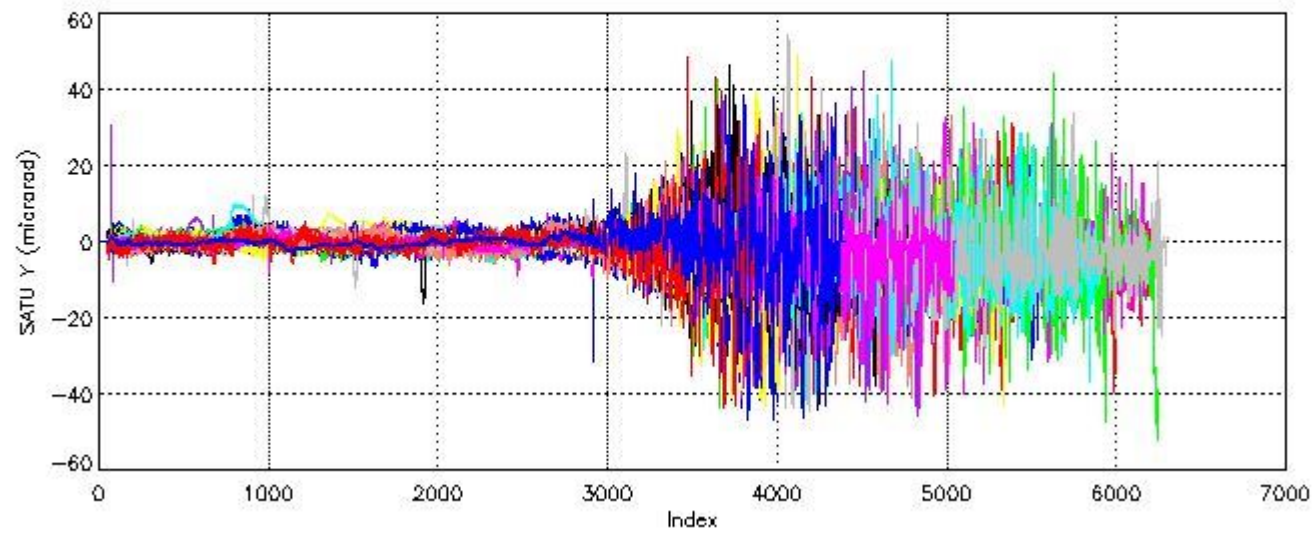
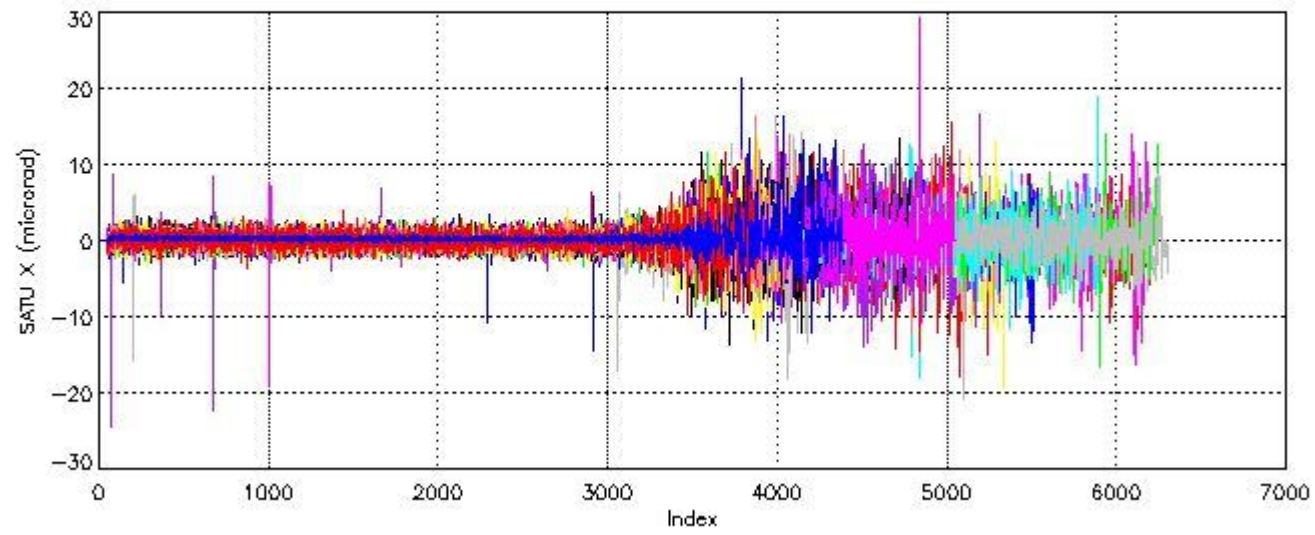


7. Star Acquisition and Tracking Unit (SATU)

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:	0.16125	0.068487	0.18362	0.18876
St. deviation:	0.48408	1.1400	0.71797	1.4863
Maximum:	8.7000	30.500	4.1000	19.100
Minimum:	-24.400	-10.600	-3.5000	-10.300

Number of data:	31350.	31350.	32250.	32250.
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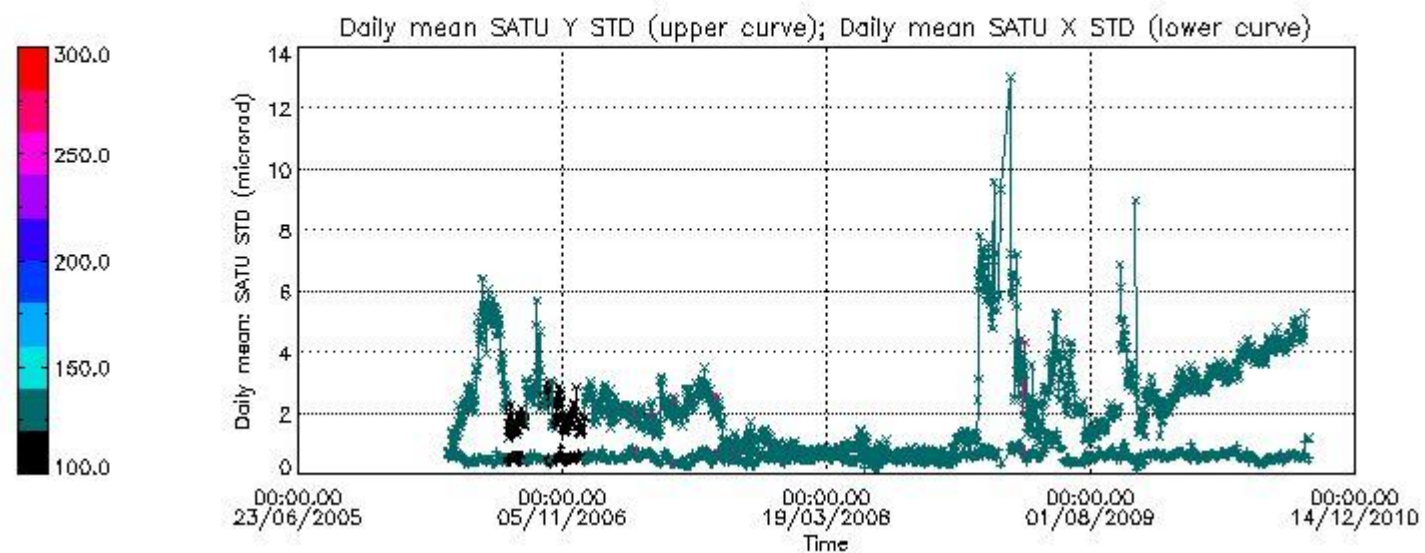
7.2.2 Trend of daily SATU NEA St. deviation since 1st April 2006 (dark limb)

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

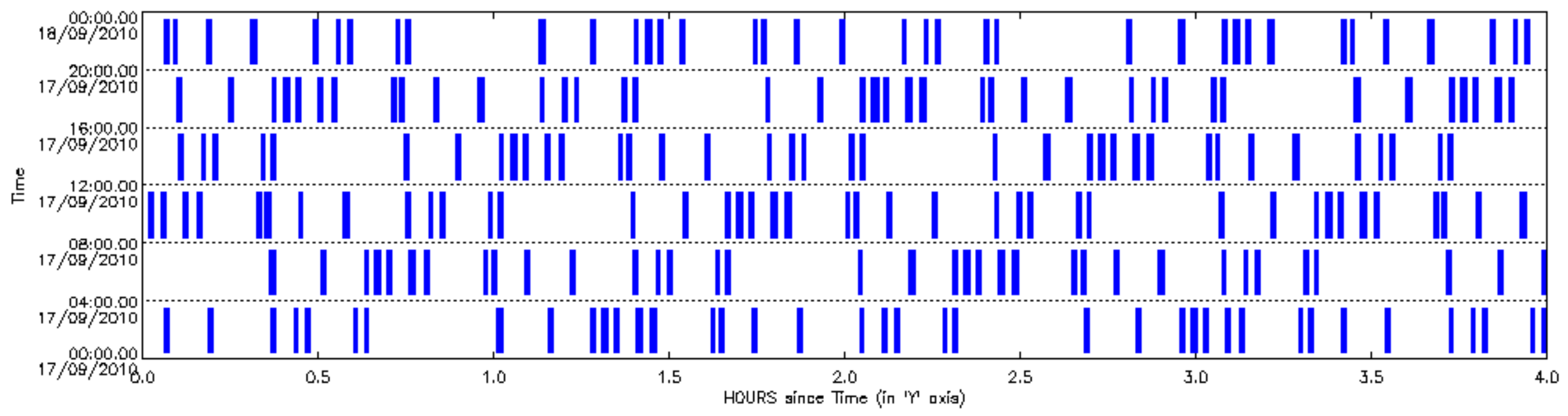
Lower curve: STD of SATU X axis

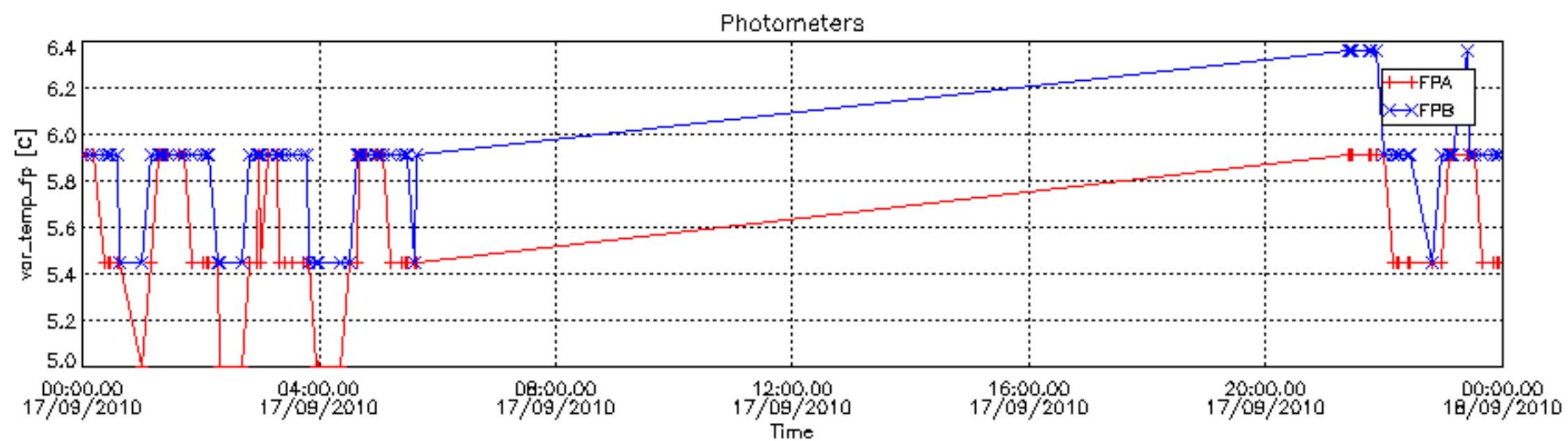
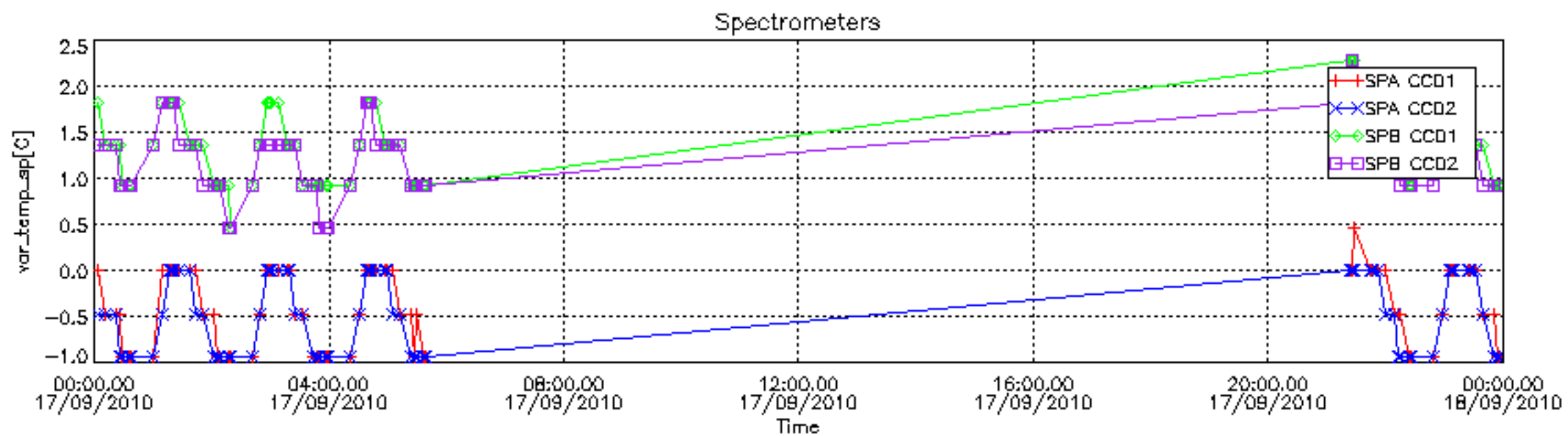


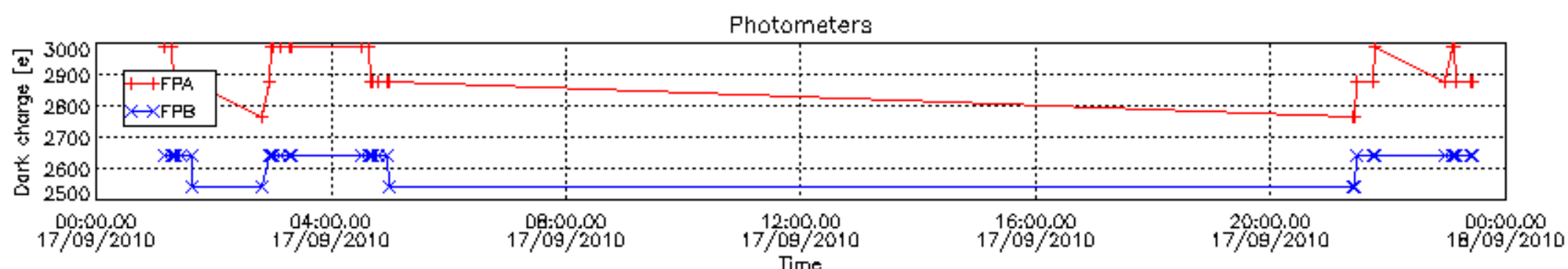
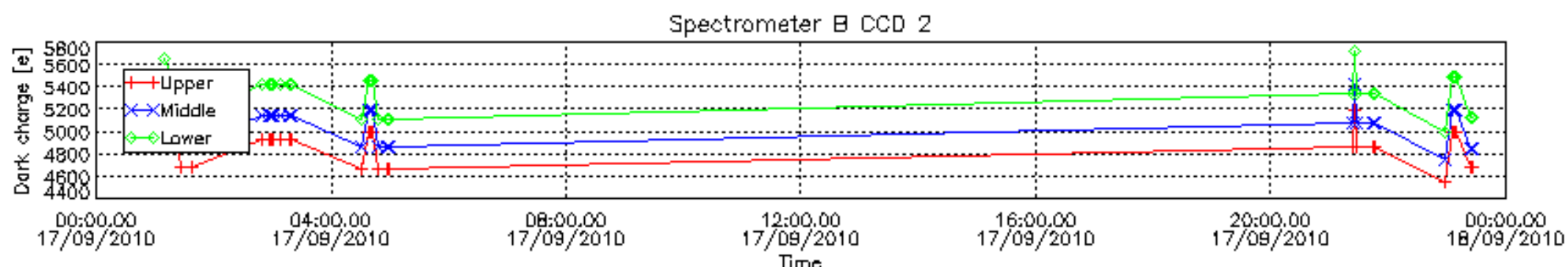
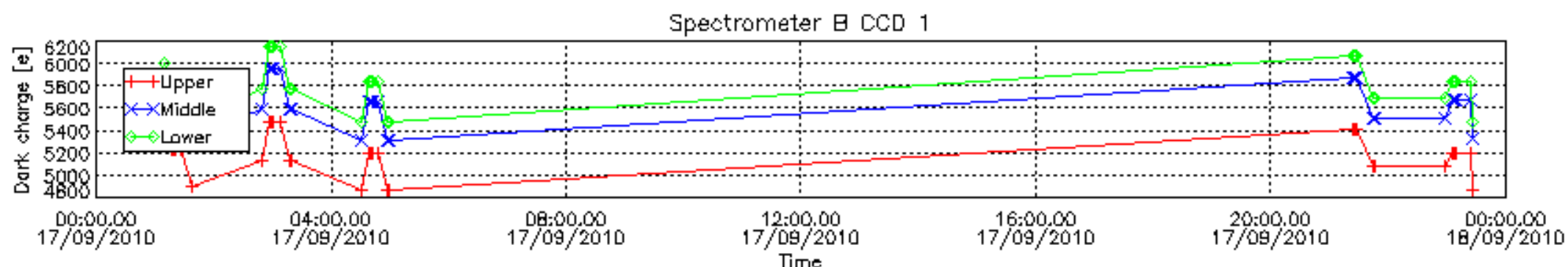
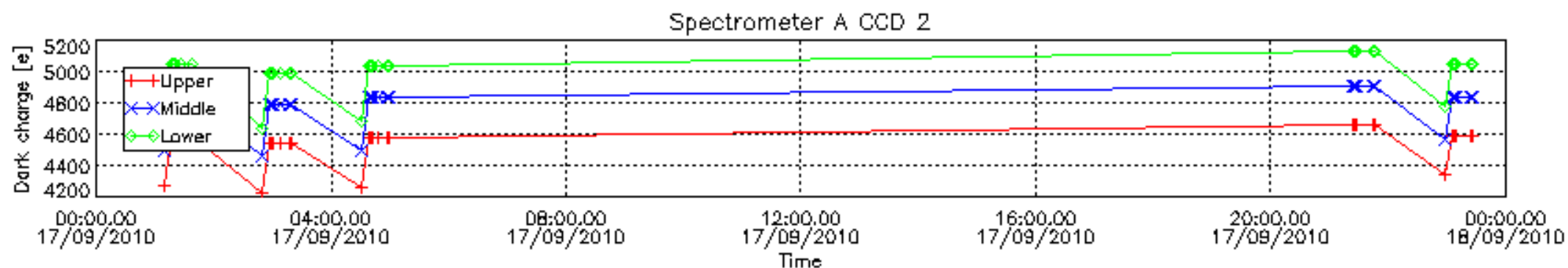
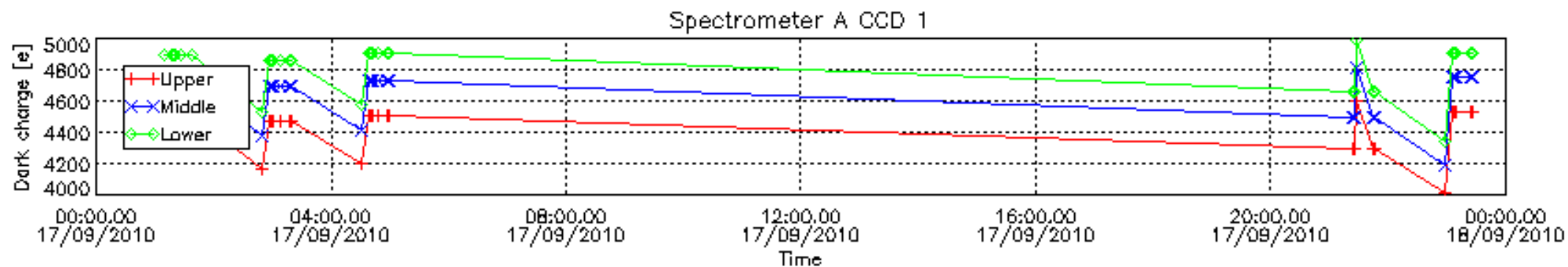
8. Auxiliary Data Files used for the production reported in section 2.4

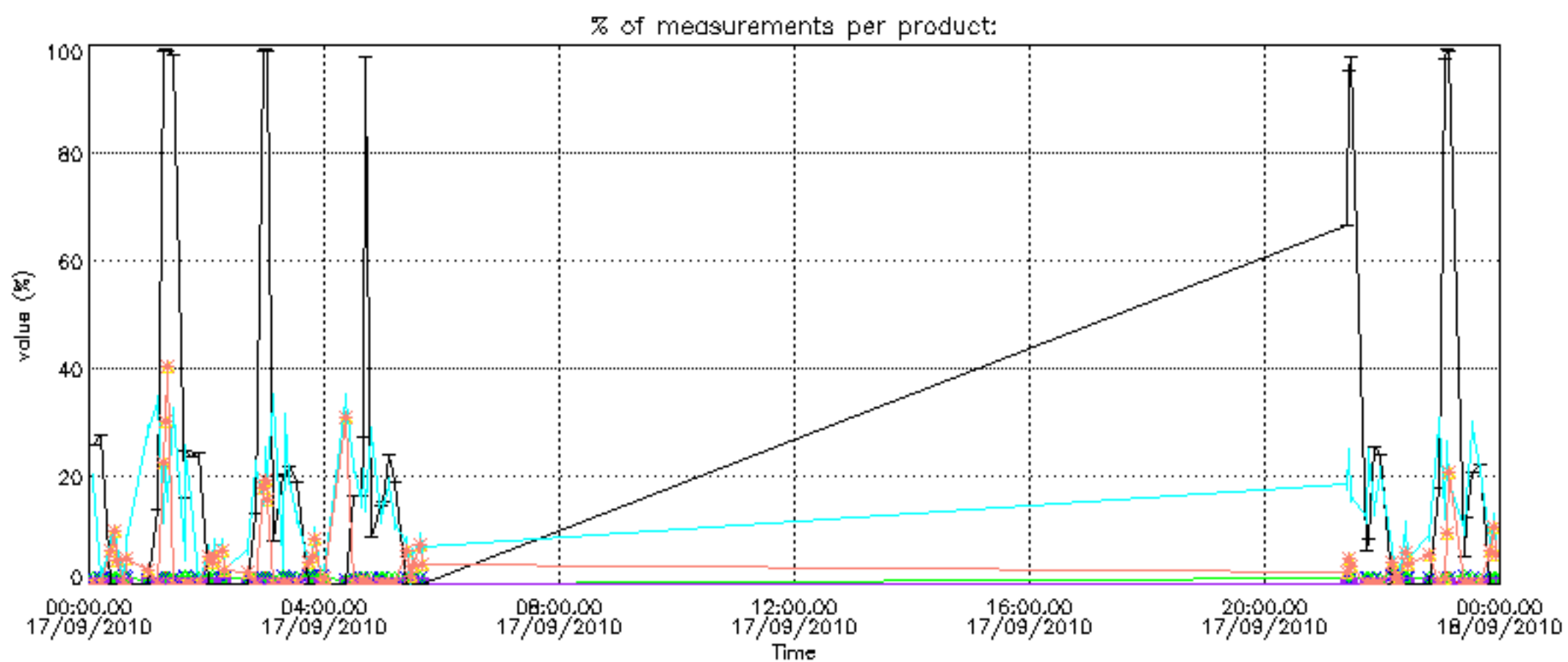
The number reported in the third column indicates since which file (see list in section 2.4) the corresponding auxiliary file has been used. The fourth column is the date of those product files.

Type	Auxiliary Filename	Used since product	Used since product date
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CALIBRATION_DATABASE	GOM_CAL_AXVIEC20100906_073314_20100904_000000_20500101_000000	1	17-SEP-2010 00:03:34
CALIBRATION_DATABASE	GOM_CAL_AXVIEC20100917_112037_20100916_000000_20500101_000000	53	17-SEP-2010 21:23:53
LEVEL-1B_PROC_CONFIG	GOM_PR1_AXVIEC20091111_145255_20020301_000000_20500101_000000	1	17-SEP-2010 00:03:34
STAR_CATALOGUE	GOM_CAT_AXVIEC20020121_161009_20020101_000000_20200101_000000	1	17-SEP-2010 00:03:34
STELLAR_SPECTRA_DATABANK	GOM_STS_AXVIEC20091111_151504_20020101_160000_20500101_000000	1	17-SEP-2010 00:03:34
ECMWF_FILE	AUX_ECF_AXNECM20100916_050115_20100916_210000_20100917_090000	1	17-SEP-2010 00:03:34
ECMWF_FILE	AUX_ECF_AXNECM20100916_172113_20100917_030000_20100917_150000	36	17-SEP-2010 03:57:15
ECMWF_FILE	AUX_ECF_AXNECM20100917_054113_20100917_210000_20100918_090000	53	17-SEP-2010 21:23:53
OPTIONAL_ECMWF_FILE	MISSING	1	17-SEP-2010 00:03:34
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20100916_233213_000057382093_00044_44687_1078.N1	1	17-SEP-2010 00:03:34
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20100917_010751_000095642093_00045_44688_1079.N1	10	17-SEP-2010 01:16:36
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20100917_035233_000066952093_00047_44690_1080.N1	36	17-SEP-2010 03:57:15
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20100917_211915_000057382093_00057_44700_1084.N1	53	17-SEP-2010 21:23:53
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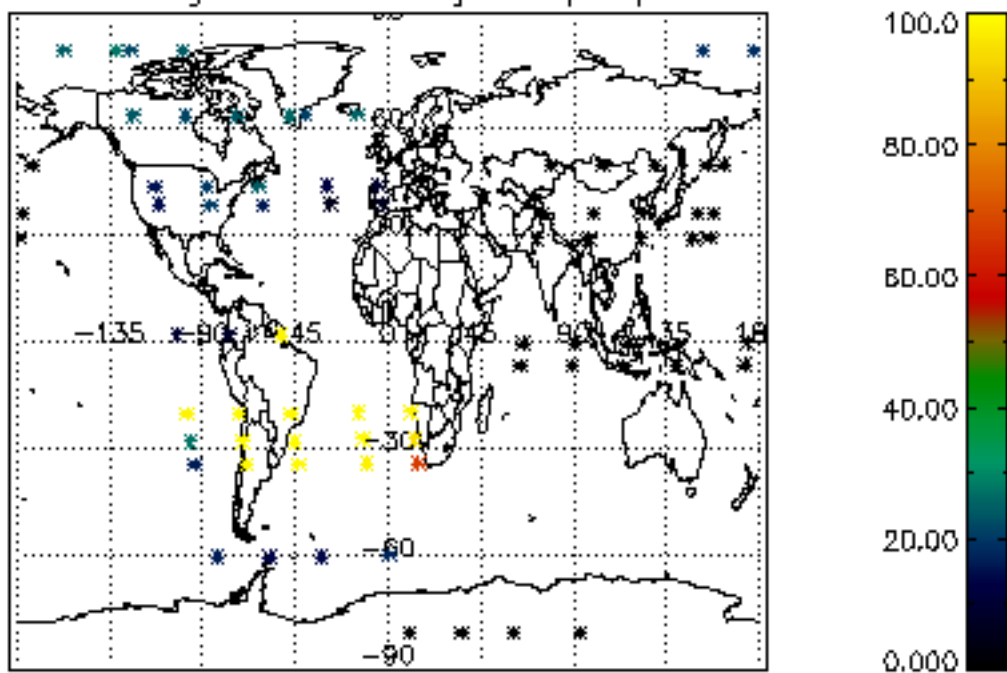




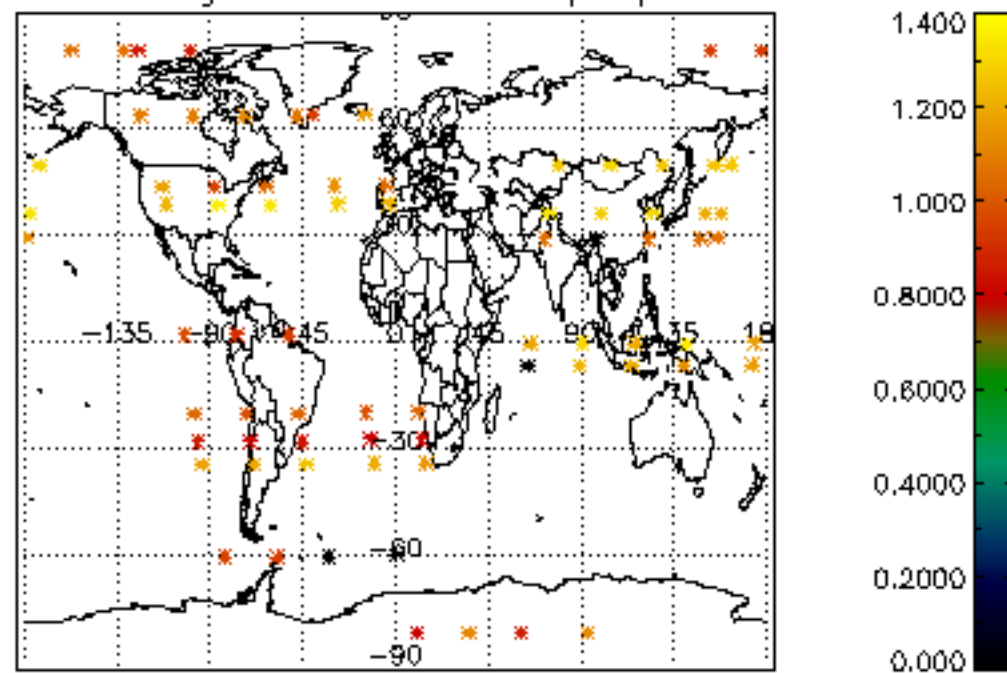




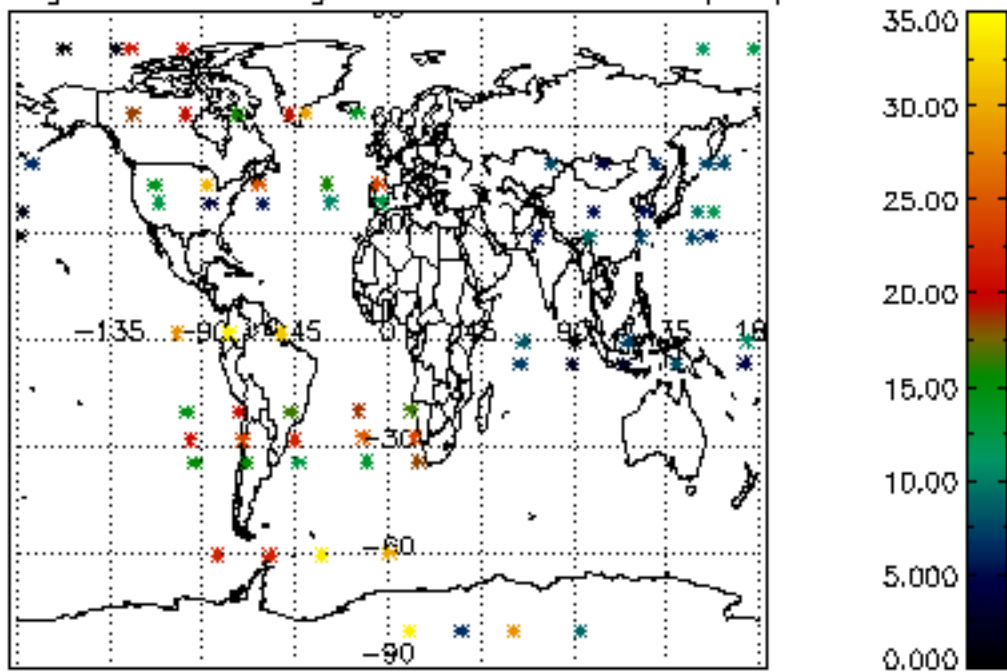
Percentage of cosmic ray hits per profile



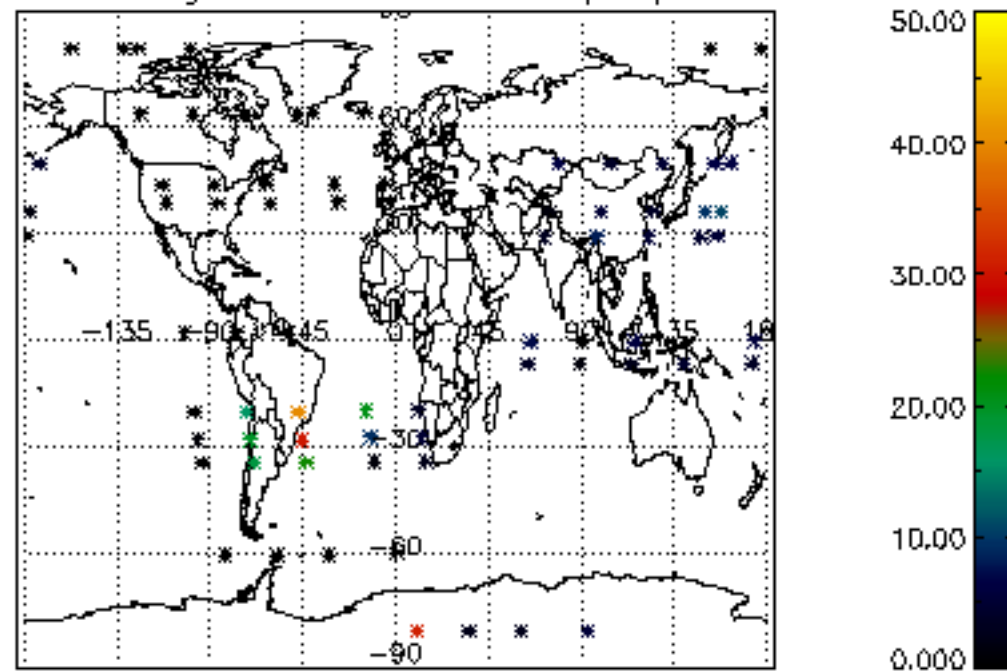
Percentage of datation errors per profile



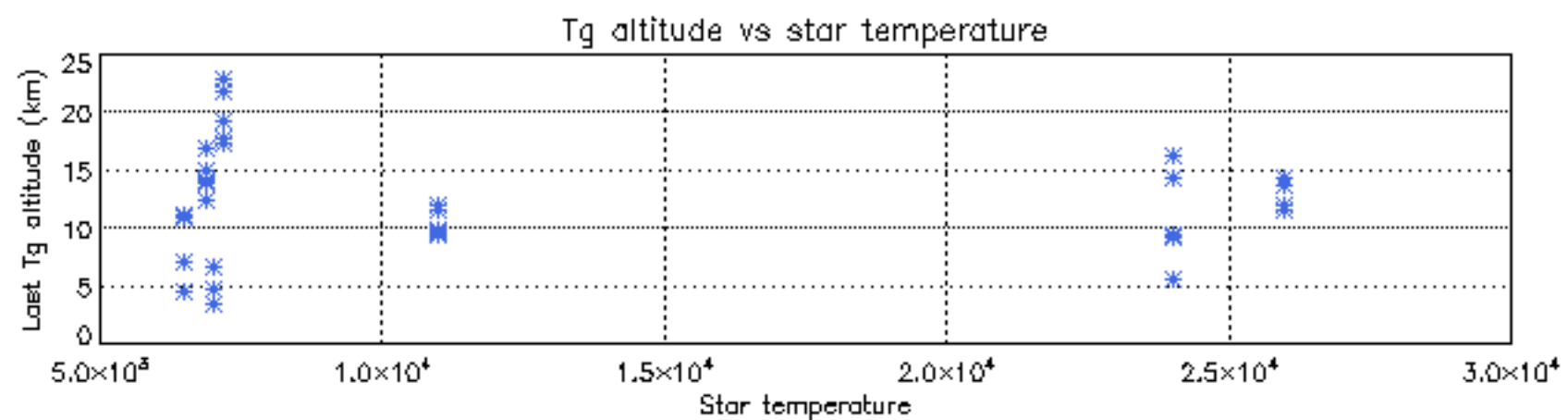
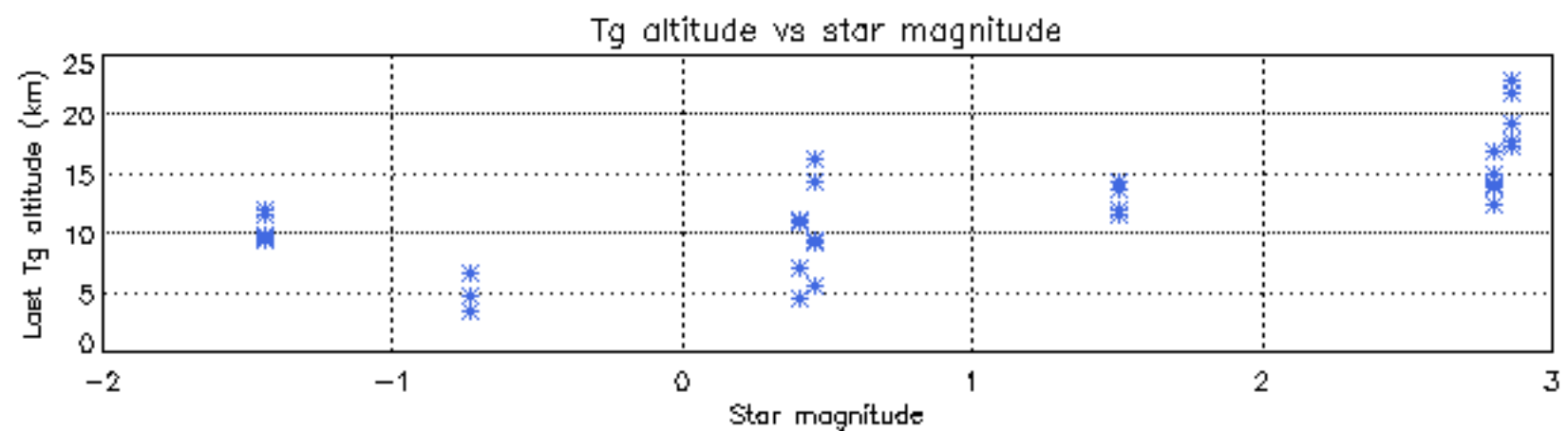
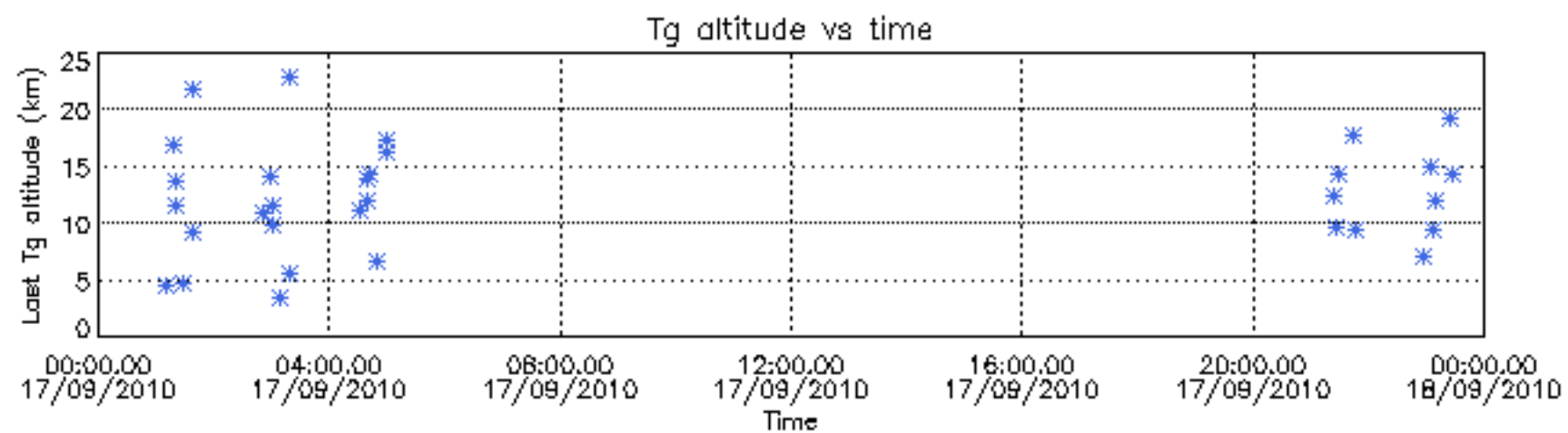
Percentage of star falling outside central band per profile



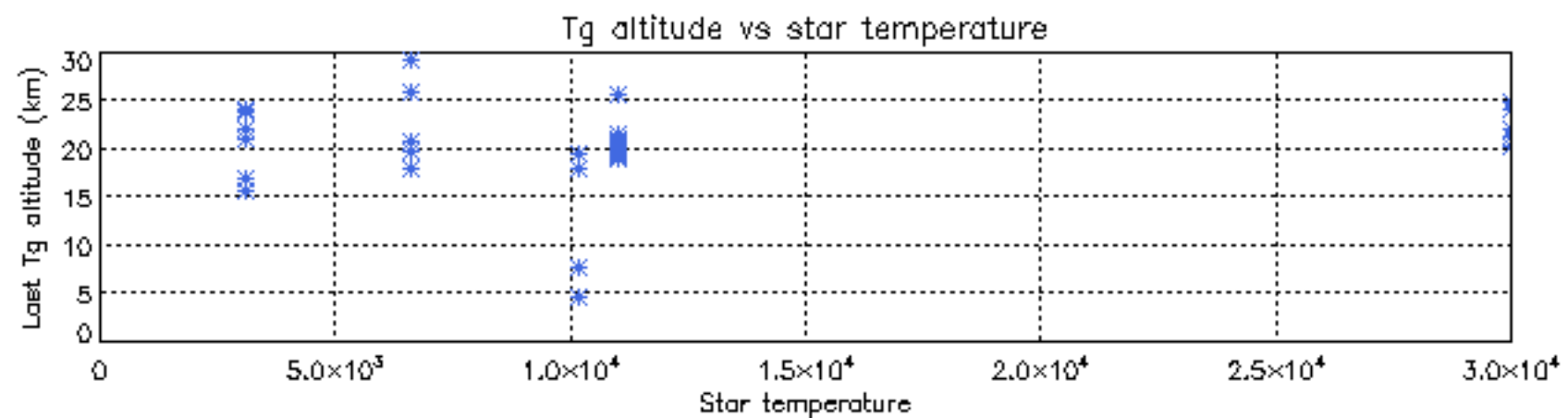
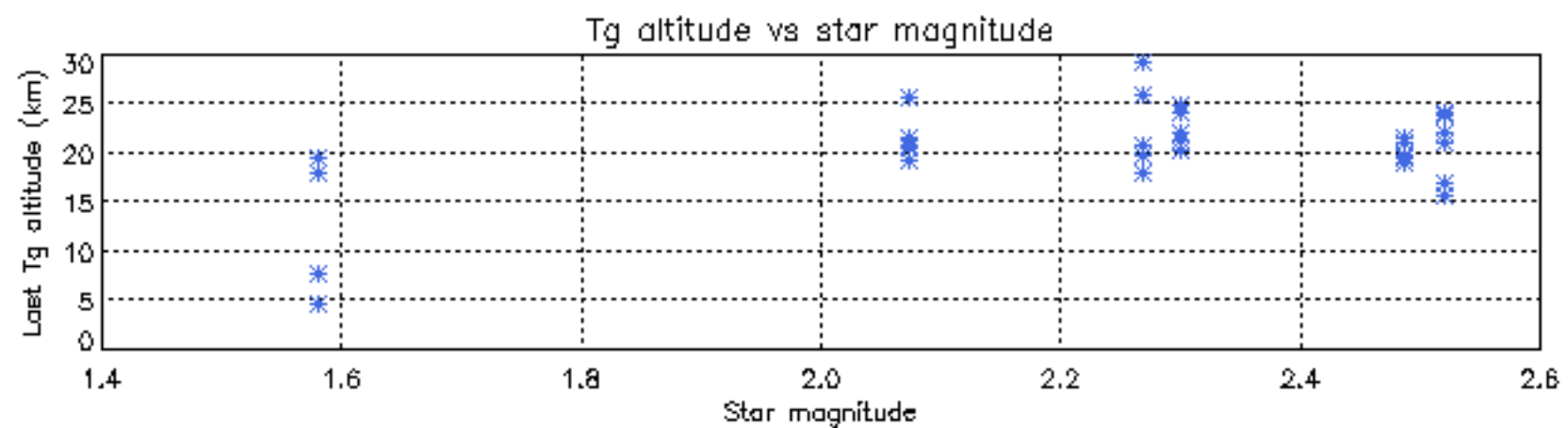
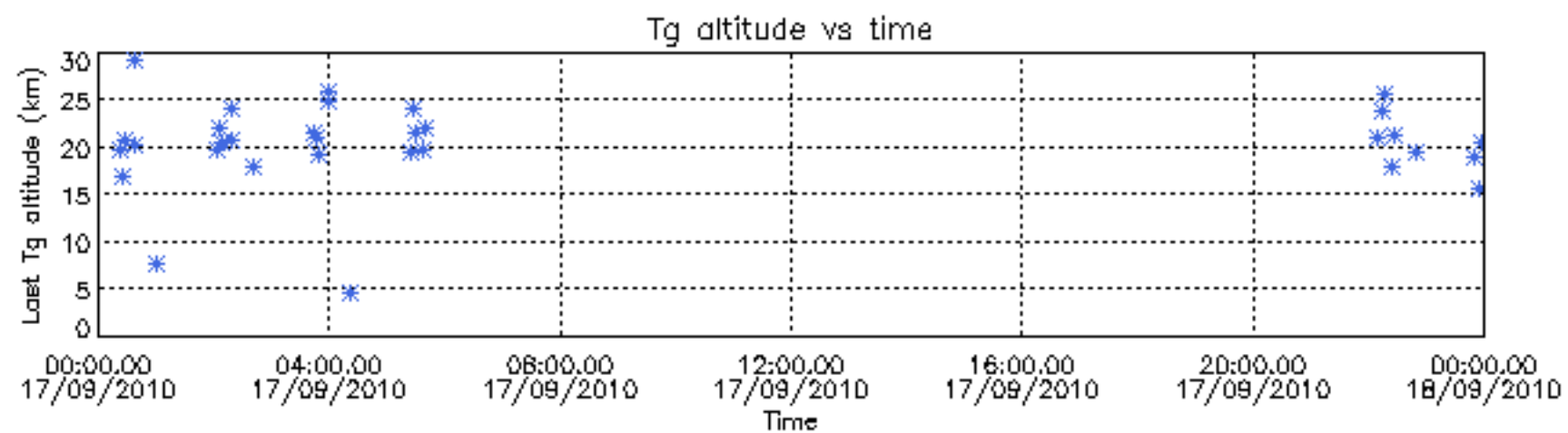
Percentage of saturation errors per profile

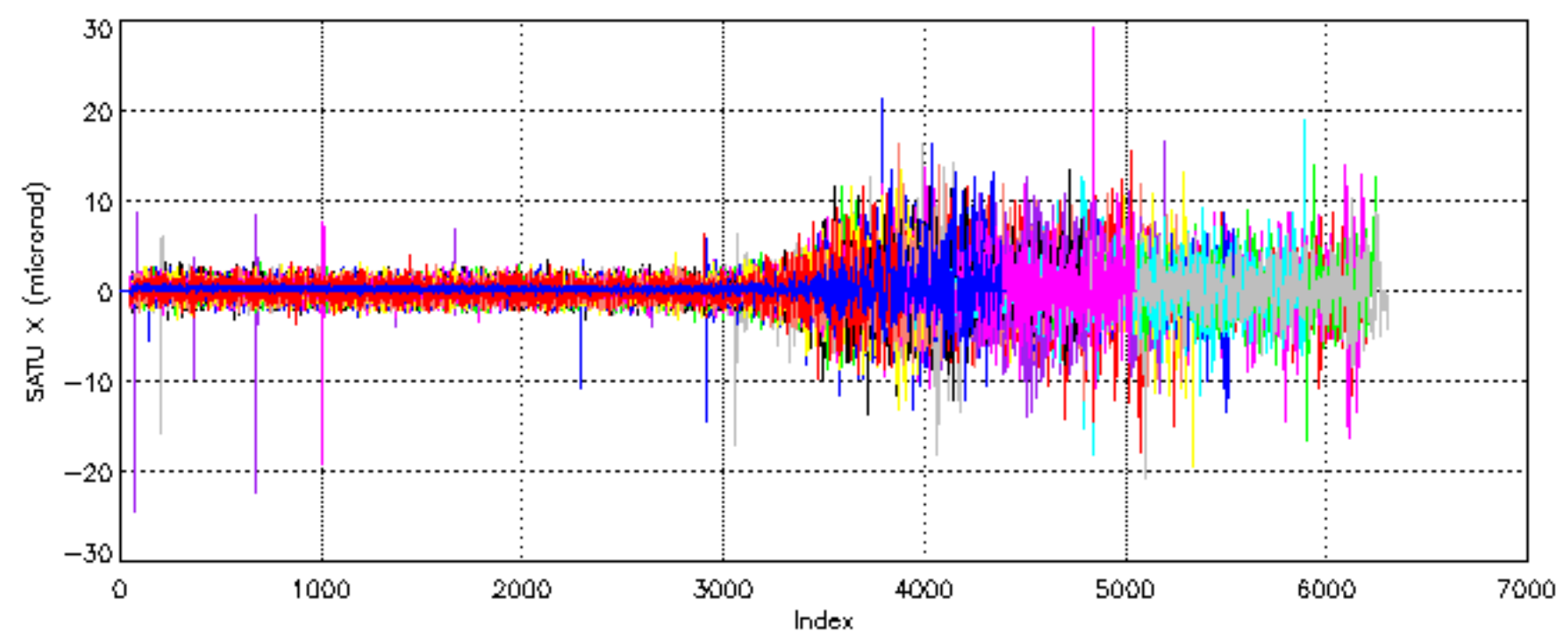


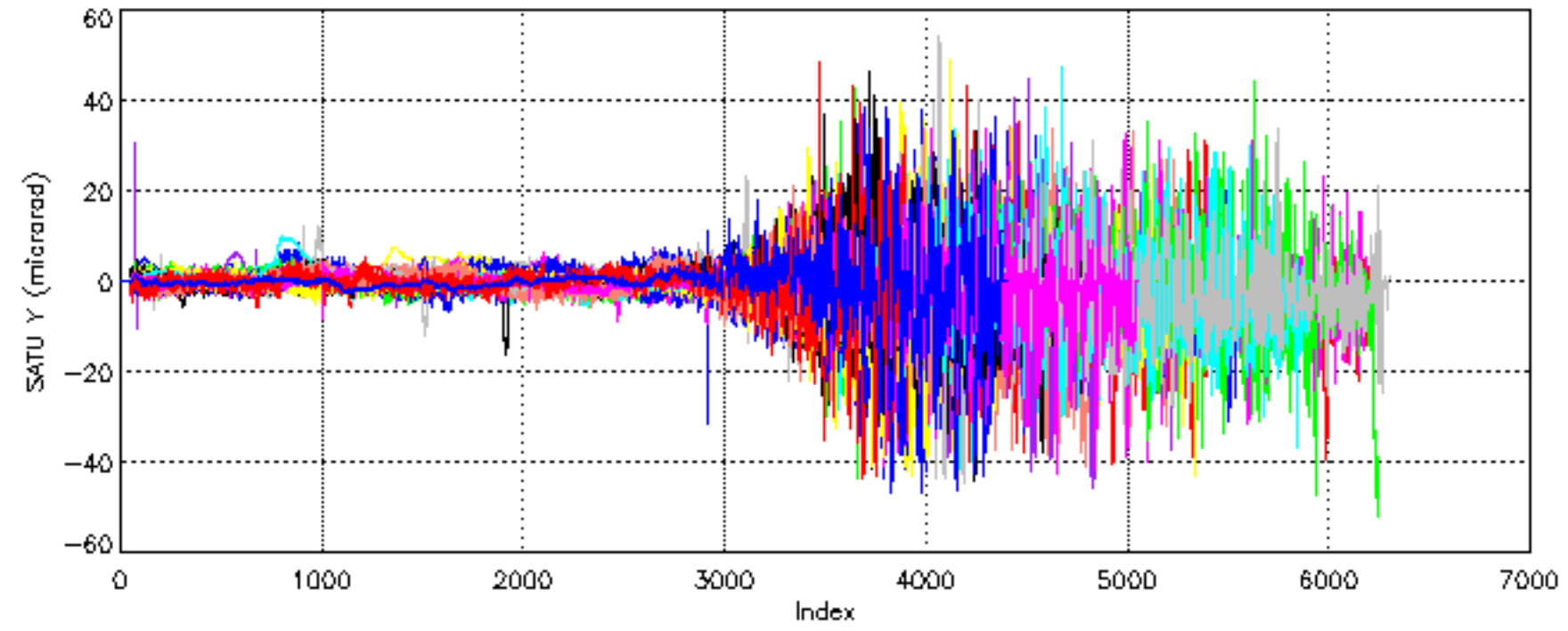
Tangent altitude at which the star is lost

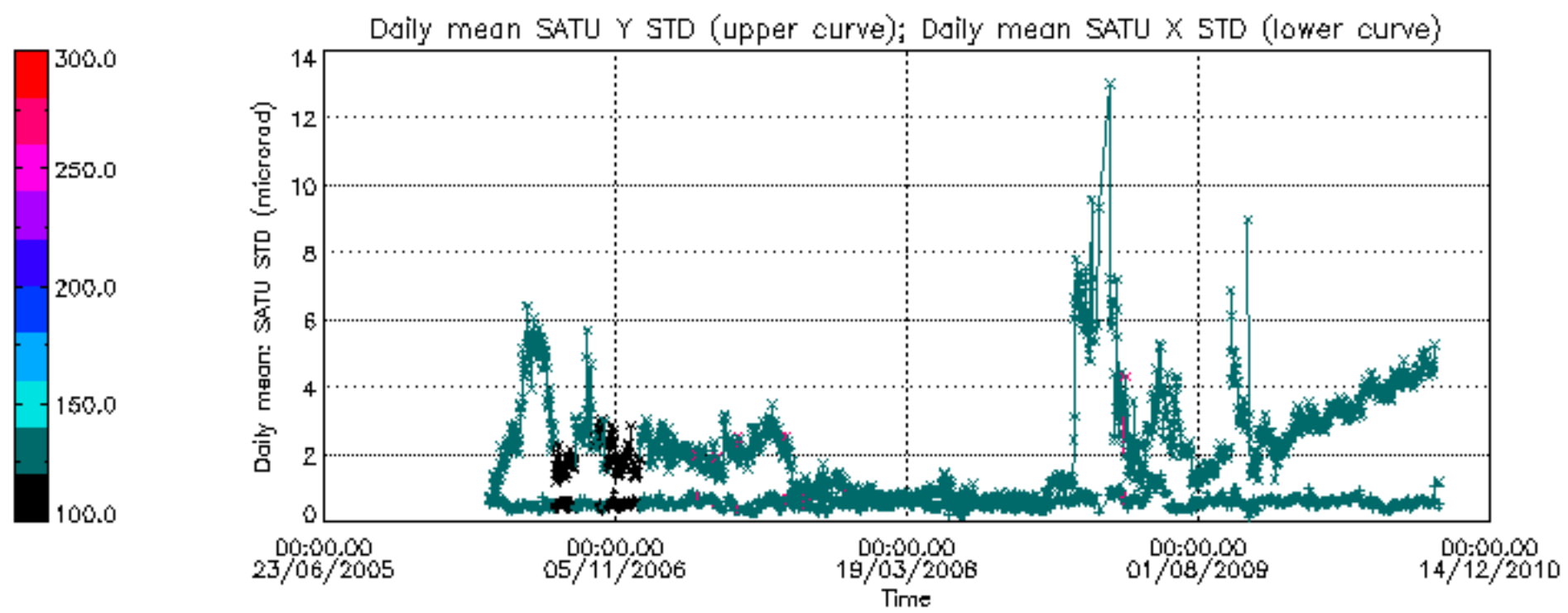


Tangent altitude at which the star is lost









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 3; -356.2; 01-SEP-2010 01:23:15; Dark ; 58.5; 139; 9Bet Lep ; 2.83; 5600;occ; 117; 0;44459
 4; -241.6; 01-SEP-2010 01:25:10; Dark ; 59.0; 0; ; 0.00; 0;occ; 118; 0;44459
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29; 8111.5; 01-SEP-2010 03:44:23; Bright; 39.0; 61; 8Eps Peg ; 2.10; 3900;occ; 78; 0;44461
30; 8537.9; 01-SEP-2010 03:51:29; Bright; 45.0; 164; 44Eta Peg ; 2.95; 5400;occ; 90; 0;44461
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6; 4191.7; 08-SEP-2010 15:43:43; Bright; 52.0; 42; 34Bet Aur ; 1.90; 10200;occ; 104; 0;44568

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13; 4641.0; 09-SEP-2010 01:54:48; Dark ; 54.5; 170; 27Eps Gem ; 3.00; 9700;occ; 109; 0;44574
14; 4843.0; 09-SEP-2010 01:58:10; Dark ; 55.0; 44; 24Gam Gem ; 1.93; 11000;occ; 110; 0;44574
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3; -218.7; 09-SEP-2010 02:14:24; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;44574
4; 669.4; 09-SEP-2010 02:29:12; Dark ; 53.0; 9; Alp Eri ; 0.45; 24000;occ; 106; 0;44575


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6; 1357.8; 09-SEP-2010 02:40:40; Dark ; 45.5; 18; 24Alp PsA ; 1.17; 9700;occ; 91; 0;44575
7; 2203.3; 09-SEP-2010 02:54:46; Bright; 44.0; 90; 54Alp Peg ; 2.49; 11000;occ; 88; 0;44575
8; 2457.2; 09-SEP-2010 02:59:00; Bright; 42.5; 164; 44Eta Peg ; 2.95; 5400;occ; 85; 0;44575
9; 3077.3; 09-SEP-2010 03:09:20; Bright; 43.5; 74; 11Bet Cas ; 2.27; 6600;occ; 87; 0;44575
10; 3195.7; 09-SEP-2010 03:11:18; Bright; 40.0; 76; 27Gam Cas ; 2.30; 30000;occ; 80; 0;44575
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2; -1568.3; 09-SEP-2010 03:32:30; Bright; 41.0; 24; 66Alp Gem ; 1.58; 10200;occ; 82; 0;44575
3; -1394.5; 09-SEP-2010 03:35:24; Dark ; 56.5; 170; 27Eps Gem ; 3.00; 9700;occ; 113; 0;44575
4; -1192.4; 09-SEP-2010 03:38:46; Dark ; 55.0; 44; 24Gam Gem ; 1.93; 11000;occ; 110; 0;44575
5; -1080.9; 09-SEP-2010 03:40:37; Dark ; 58.0; 8; 10Alp CMi ; 0.40; 6500;occ; 116; 0;44575
6; -581.3; 09-SEP-2010 03:48:57; Dark ; 54.0; 1; 9Alp CMA ; -1.44; 11000;occ; 108; 0;44575
7; -430.0; 09-SEP-2010 03:51:28; Dark ; 46.0; 23; 21Eps CMA ; 1.50; 26000;occ; 92; 0;44575
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13; 1358.2; 09-SEP-2010 04:21:17; Dark ; 46.5; 18; 24Alp PsA ; 1.17; 9700;occ; 93; 0;44576
14; 2203.6; 09-SEP-2010 04:35:22; Bright; 42.5; 90; 54Alp Peg ; 2.49; 11000;occ; 85; 0;44576
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16; 3076.7; 09-SEP-2010 04:49:55; Bright; 41.0; 74; 11Bet Cas ; 2.27; 6600;occ; 82; 0;44576
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3; -1394.3; 09-SEP-2010 05:16:00; Dark ; 51.5; 170; 27Eps Gem ; 3.00; 9700;occ; 103; 0;44576
4; -1192.0; 09-SEP-2010 05:19:22; Dark ; 56.5; 44; 24Gam Gem ; 1.93; 11000;occ; 113; 0;44576
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13; 1358.4; 09-SEP-2010 06:01:53; Dark ; 45.5; 18; 24Alp PsA ; 1.17; 9700;occ; 91; 0;44577
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2; 4377.8; 09-SEP-2010 21:57:36; Bright; 57.0; 107; 37The Aur ; 2.65; 11000;occ; 114; 0;44586
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3; 4377.7; 09-SEP-2010 23:38:11; Bright; 55.0; 107; 37The Aur ; 2.65; 11000;occ; 110; 0;44587
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3; -1393.9; 09-SEP-2010 06:56:36; Dark ; 55.0; 170; 27Eps Gem ; 3.00; 9700;occ; 110; 0;44577
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8; -304.0; 09-SEP-2010 07:14:46; Dark ; 45.5; 177; 1Zet CMA ; 3.02; 26000;occ; 91; 0;44577
9; -216.3; 09-SEP-2010 07:16:14; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;44577
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11; 671.5; 09-SEP-2010 07:31:02; Dark ; 52.5; 9; Alp Eri ; 0.45; 24000;occ; 105; 0;44578
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3; 3076.1; 09-SEP-2010 08:11:06; Bright; 42.5; 74; 11Bet Cas ; 2.27; 6600;occ; 85; 0;44578

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7; 4642.3; 09-SEP-2010 08:37:13; Dark ; 52.5; 170; 27Eps Gem ; 3.00; 9700;occ; 105; 0;44578
8; 4845.2; 09-SEP-2010 08:40:36; Dark ; 57.0; 44; 24Gam Gem ; 1.93; 11000;occ; 114; 0;44578
9; 4956.2; 09-SEP-2010 08:42:27; Dark ; 49.5; 8; 10Alp CMi ; 0.40; 6500;occ; 99; 0;44578
10; 5457.5; 09-SEP-2010 08:50:48; Dark ; 55.5; 1; 9Alp CMA ; -1.44; 11000;occ; 111; 0;44578
11; 5608.3; 09-SEP-2010 08:53:19; Dark ; 44.0; 23; 21Eps CMA ; 1.50; 26000;occ; 88; 0;44578
12; 5732.9; 09-SEP-2010 08:55:23; Dark ; 46.5; 177; 1Zet CMA ; 3.02; 26000;occ; 93; 0;44578
13; 5820.5; 09-SEP-2010 08:56:51; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;44578
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3; 3015.7; 09-SEP-2010 11:31:18; Bright; 72.5; 53; 43Bet And ; 2.05; 3300;occ; 145; 0;44580
4; 3260.5; 09-SEP-2010 11:35:23; Bright; 45.5; 110; 37Del Cas ; 2.68; 8900;occ; 91; 0;44580
5; 3391.3; 09-SEP-2010 11:37:33; Bright; 77.5; 73; 57Gam1And ; 2.26; 13100;occ; 155; 0;44580
6; 3593.4; 09-SEP-2010 11:40:55; Bright; 58.0; 160; 23Gam Per ; 2.93; 4700;occ; 116; 0;44580
7; 3719.8; 09-SEP-2010 11:43:02; Bright; 68.5; 35; 33Alp Per ; 1.79; 6250;occ; 137; 0;44580
8; 3834.2; 09-SEP-2010 11:44:56; Bright; 68.0; 175; 39Del Per ; 3.01; 19400;occ; 136; 0;44580
9; 4118.1; 09-SEP-2010 11:49:40; Bright; 65.0; 6; 13Alp Aur ; 0.08; 3400;occ; 130; 0;44580
10; 4378.0; 09-SEP-2010 11:54:00; Bright; 78.0; 107; 37The Aur ; 2.65; 11000;occ; 156; 0;44580
11; 4649.8; 09-SEP-2010 11:58:32; Dark ; 81.5; 28; 12Bet Tau ; 1.65; 15200;occ; 163; 0;44580
12; 4846.3; 09-SEP-2010 12:01:48; Dark ; 56.5; 44; 24Gam Gem ; 1.93; 11000;occ; 113; 0;44580
13; 5189.9; 09-SEP-2010 12:07:32; Dark ; 100.0; 14; 58Alp Ori ; 0.87; 3000;occ; 200; 0;44580
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3; 3589.5; 09-SEP-2010 18:23:15; Bright; 59.5; 160; 23Gam Per ; 2.93; 4700;occ; 119; 0;44584
4; 4116.7; 09-SEP-2010 18:32:03; Bright; 61.0; 6; 13Alp Aur ; 0.08; 3400;occ; 122; 0;44584
5; 4378.0; 09-SEP-2010 18:36:24; Bright; 49.0; 107; 37The Aur ; 2.65; 11000;occ; 98; 0;44584
6; 5954.5; 09-SEP-2010 19:02:40; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;44584
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3; 4116.1; 09-SEP-2010 20:12:38; Bright; 68.0; 6; 13Alp Aur ; 0.08; 3400;occ; 136; 0;44585
4; 4377.8; 09-SEP-2010 20:17:00; Bright; 54.0; 107; 37The Aur ; 2.65; 11000;occ; 108; 0;44585
5; 5955.8; 09-SEP-2010 20:43:18; Dark ; 59.0; 0; ; 0.00; 0;occ; 118; 0;44585
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3; 4114.8; 10-SEP-2010 01:14:24; Bright; 68.5; 6; 13Alp Aur ; 0.08; 3400;occ; 137; 0;44588
4; 4377.7; 10-SEP-2010 01:18:47; Bright; 56.5; 107; 37The Aur ; 2.65; 11000;occ; 113; 0;44588
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3; -74.4; 10-SEP-2010 03:25:47; Dark ; 59.0; 0; ; 0.00; 0;occ; 118; 0;44589
4; 635.2; 10-SEP-2010 03:37:36; Dark ; 22.5; 157; The1Eri ; 2.91; 9300;occ; 45; 0;44590
5; 1514.3; 10-SEP-2010 03:52:16; Dark ; 68.0; 52; 16Bet Cet ; 2.04; 4500;occ; 136; 0;44590
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3; 637.0; 10-SEP-2010 06:58:50; Dark ; 55.5; 157; The1Eri ; 2.91; 9300;occ; 111; 0;44592

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3; 638.9; 10-SEP-2010 08:39:28; Dark ; 53.0; 157; The1Eri ; 2.91; 9300;occ; 106; 0;44593
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3; 4377.5; 10-SEP-2010 09:41:47; Bright; 34.5; 107; 37The Aur ; 2.65; 11000;occ; 69; 0;44593
4; 5967.2; 10-SEP-2010 10:08:16; Dark ; 59.0; 0; ; 0.00; 0;occ; 118; 0;44593
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3; 3704.6; 10-SEP-2010 11:11:10; Bright; 66.0; 35; 33Alp Per ; 1.79; 6250;occ; 132; 0;44594
4; 4112.3; 10-SEP-2010 11:17:57; Bright; 17.5; 6; 13Alp Aur ; 0.08; 3400;occ; 35; 0;44594
5; 4377.7; 10-SEP-2010 11:22:23; Bright; 14.5; 107; 37The Aur ; 2.65; 11000;occ; 29; 0;44594
6; 4854.0; 10-SEP-2010 11:30:19; Dark ; 48.0; 44; 24Gam Gem ; 1.93; 11000;occ; 96; 0;44594
7; 5968.6; 10-SEP-2010 11:48:54; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;44594
8; 6677.0; 10-SEP-2010 12:00:42; Dark ; 57.5; 157; The1Eri ; 2.91; 9300;occ; 115; 0;44595
9; 7550.4; 10-SEP-2010 12:15:15; Dark ; 71.0; 52; 16Bet Cet ; 2.04; 4500;occ; 142; 0;44595
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3; 4111.9; 10-SEP-2010 12:58:33; Bright; 65.0; 6; 13Alp Aur ; 0.08; 3400;occ; 130; 0;44595
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5; 5209.9; 10-SEP-2010 13:16:51; Dark ; 90.5; 14; 58Alp Ori ; 0.87; 3000;occ; 181; 0;44595
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3; 3536.5; 13-SEP-2010 09:33:30; Bright; 59.5; 160; 23Gam Per ; 2.93; 4700;occ; 119; 0;44636
4; 4376.0; 13-SEP-2010 09:47:30; Bright; 57.0; 107; 37The Aur ; 2.65; 11000;occ; 114; 0;44636
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3; 4375.8; 13-SEP-2010 11:28:05; Bright; 54.0; 107; 37The Aur ; 2.65; 11000;occ; 108; 0;44637
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2; 1528.7; 16-SEP-2010 20:49:59; Dark ; 42.0; 52; 16Bet Cet ; 2.04; 4500;occ; 84; 0;44686
3; 2177.8; 16-SEP-2010 21:00:48; Bright; 38.5; 90; 54Alp Peg ; 2.49; 11000;occ; 77; 0;44686
4; 2409.2; 16-SEP-2010 21:04:39; Bright; 38.0; 93; 53Bet Peg ; 2.52; 3100;occ; 76; 0;44686
5; 2530.2; 16-SEP-2010 21:06:40; Bright; 43.0; 58; 21Alp And ; 2.07; 11000;occ; 86; 0;44686
6; 3023.0; 16-SEP-2010 21:14:53; Bright; 39.0; 74; 11Bet Cas ; 2.27; 6600;occ; 78; 0;44686
7; 3129.8; 16-SEP-2010 21:16:40; Bright; 45.0; 76; 27Gam Cas ; 2.30; 30000;occ; 90; 0;44686
8; 4482.9; 16-SEP-2010 21:39:13; Bright; 44.5; 24; 66Alp Gem ; 1.58; 10200;occ; 89; 0;44686
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5; 28.8; 16-SEP-2010 22:05:34; Dark ; 51.5; 2; Alp Car ; -0.74; 7000;occ; 103; 0;44687
6; 643.1; 16-SEP-2010 22:15:49; Dark ; 41.5; 143; Alp Hyi ; 2.86; 7200;occ; 83; 0;44687
7; 728.9; 16-SEP-2010 22:17:15; Dark ; 45.5; 9; Alp Eri ; 0.45; 24000;occ; 91; 0;44687
8; 1071.7; 16-SEP-2010 22:22:57; Dark ; 45.0; 84; Alp Phe ; 2.40; 4500;occ; 90; 0;44687
9; 1528.8; 16-SEP-2010 22:30:34; Dark ; 42.0; 52; 16Bet Cet ; 2.04; 4500;occ; 84; 0;44687
10; 2177.6; 16-SEP-2010 22:41:23; Bright; 40.5; 90; 54Alp Peg ; 2.49; 11000;occ; 81; 0;44687

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15; 4482.9; 16-SEP-2010 23:19:49; Bright; 44.5; 24; 66Alp Gem ; 1.58; 10200;occ; 89; 0;44687
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 3; 1069.1; 16-SEP-2010 10:38:43; Dark ; 45.5; 84; Alp Phe ; 2.40; 4500;occ; 91; 0;44680
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 3; 3025.8; 16-SEP-2010 11:11:20; Bright; 43.0; 74; 11Bet Cas ; 2.27; 6600;occ; 86; 0;44680
 4; 3133.0; 16-SEP-2010 11:13:07; Bright; 43.5; 76; 27Gam Cas ; 2.30; 30000;occ; 87; 0;44680
 5; 4482.1; 16-SEP-2010 11:35:36; Bright; 44.5; 24; 66Alp Gem ; 1.58; 10200;occ; 89; 0;44680
 6; 5004.8; 16-SEP-2010 11:44:19; Dark ; 53.5; 8; 10Alp CMi ; 0.40; 6500;occ; 107; 0;44680
 7; 5450.5; 16-SEP-2010 11:51:45; Dark ; 39.0; 132; 15Rho Pup ; 2.80; 6900;occ; 78; 0;44680
 8; 5553.8; 16-SEP-2010 11:53:28; Dark ; 64.5; 1; 9Alp CMa ; -1.44; 11000;occ; 129; 0;44680
 9; 5669.5; 16-SEP-2010 11:55:24; Dark ; 30.0; 47; 2Bet CMa ; 1.98; 28000;occ; 60; 0;44680
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12; 6061.2; 16-SEP-2010 12:01:55; Dark ; 56.0; 2; Alp Car ; -0.74; 7000;occ; 112; 0;44681
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15; 7105.4; 16-SEP-2010 12:19:20; Dark ; 41.0; 84; Alp Phe ; 2.40; 4500;occ; 82; 0;44681
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 3; 3025.3; 16-SEP-2010 12:51:55; Bright; 37.5; 74; 11Bet Cas ; 2.27; 6600;occ; 75; 0;44681
 4; 3132.7; 16-SEP-2010 12:53:43; Bright; 42.0; 76; 27Gam Cas ; 2.30; 30000;occ; 84; 0;44681
 5; 4482.3; 16-SEP-2010 13:16:12; Bright; 43.5; 24; 66Alp Gem ; 1.58; 10200;occ; 87; 0;44681
 6; 5005.4; 16-SEP-2010 13:24:55; Dark ; 52.5; 8; 10Alp CMi ; 0.40; 6500;occ; 105; 0;44681
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13; 6676.8; 16-SEP-2010 13:52:47; Dark ; 39.0; 143; Alp Hyi ; 2.86; 7200;occ; 78; 0;44682
14; 6762.4; 16-SEP-2010 13:54:12; Dark ; 42.5; 9; Alp Eri ; 0.45; 24000;occ; 85; 0;44682
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 3; 2410.4; 16-SEP-2010 14:22:16; Bright; 40.0; 93; 53Bet Peg ; 2.52; 3100;occ; 80; 0;44682
 4; 2533.0; 16-SEP-2010 14:24:19; Bright; 30.0; 58; 21Alp And ; 2.07; 11000;occ; 60; 0;44682
 5; 3024.9; 16-SEP-2010 14:32:31; Bright; 41.5; 74; 11Bet Cas ; 2.27; 6600;occ; 83; 0;44682
 6; 3132.1; 16-SEP-2010 14:34:18; Bright; 41.5; 76; 27Gam Cas ; 2.30; 30000;occ; 83; 0;44682
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14; 6677.2; 16-SEP-2010 15:33:23; Dark ; 39.5; 143; Alp Hyi ; 2.86; 7200;occ; 79; 0;44683
15; 6762.9; 16-SEP-2010 15:34:49; Dark ; 46.5; 9; Alp Eri ; 0.45; 24000;occ; 93; 0;44683
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 4; 2532.4; 16-SEP-2010 16:04:54; Bright; 30.0; 58; 21Alp And ; 2.07; 11000;occ; 60; 0;44683
 5; 3024.4; 16-SEP-2010 16:13:06; Bright; 40.0; 74; 11Bet Cas ; 2.27; 6600;occ; 80; 0;44683

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12; 5912.1; 16-SEP-2010 17:01:14; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;44683
13; 6063.3; 16-SEP-2010 17:03:45; Dark ; 48.0; 2; Alp Car ; -0.74; 7000;occ; 96; 0;44684
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15; 6763.4; 16-SEP-2010 17:15:25; Dark ; 42.0; 9; Alp Eri ; 0.45; 24000;occ; 84; 0;44684
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3; 2409.9; 16-SEP-2010 17:43:28; Bright; 40.0; 93; 53Bet Peg ; 2.52; 3100;occ; 80; 0;44684
4; 2531.6; 16-SEP-2010 17:45:30; Bright; 37.0; 58; 21Alp And ; 2.07; 11000;occ; 74; 0;44684
5; 3023.9; 16-SEP-2010 17:53:42; Bright; 40.5; 74; 11Bet Cas ; 2.27; 6600;occ; 81; 0;44684
6; 3131.0; 16-SEP-2010 17:55:29; Bright; 42.5; 76; 27Gam Cas ; 2.30; 30000;occ; 85; 0;44684
7; 4482.7; 16-SEP-2010 18:18:01; Bright; 44.0; 24; 66Alp Gem ; 1.58; 10200;occ; 88; 0;44684
8; 5007.0; 16-SEP-2010 18:26:45; Dark ; 59.5; 8; 10Alp CMi ; 0.40; 6500;occ; 119; 0;44684
9; 5452.6; 16-SEP-2010 18:34:11; Dark ; 44.0; 132; 15Rho Pup ; 2.80; 6900;occ; 88; 0;44684
10; 5558.5; 16-SEP-2010 18:35:56; Dark ; 62.0; 1; 9Alp CMA ; -1.44; 11000;occ; 124; 0;44684
11; 5689.3; 16-SEP-2010 18:38:07; Dark ; 52.5; 23; 21Eps CMA ; 1.50; 26000;occ; 105; 0;44684
12; 5913.1; 16-SEP-2010 18:41:51; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;44684
13; 6063.9; 16-SEP-2010 18:44:22; Dark ; 51.5; 2; Alp Car ; -0.74; 7000;occ; 103; 0;44685
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4; -120.1; 16-SEP-2010 23:43:41; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;44687
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6; 643.3; 16-SEP-2010 23:56:25; Dark ; 40.0; 143; Alp Hyi ; 2.86; 7200;occ; 80; 0;44688
7; 729.2; 16-SEP-2010 23:57:51; Dark ; 43.0; 9; Alp Eri ; 0.45; 24000;occ; 86; 0;44688
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13; 3022.1; 17-SEP-2010 00:36:04; Bright; 37.0; 74; 11Bet Cas ; 2.27; 6600;occ; 74; 0;44688
14; 3128.4; 17-SEP-2010 00:37:50; Bright; 44.0; 76; 27Gam Cas ; 2.30; 30000;occ; 88; 0;44688
15; 4483.0; 17-SEP-2010 01:00:25; Bright; 58.0; 24; 66Alp Gem ; 1.58; 10200;occ; 116; 0;44688
16; 5009.1; 17-SEP-2010 01:09:11; Dark ; 62.0; 8; 10Alp CMi ; 0.40; 6500;occ; 124; 0;44688

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 1; -1540.8; 23-SEP-2010 02:52:41; Bright; 68.0; 24; 66Alp Gem ; 1.58; 10200;occ; 136; 0;44775
 2; -972.4; 23-SEP-2010 03:02:10; Dark ; 60.0; 8; 10Alp CMI ; 0.40; 6500;occ; 120; 0;44775
 3; -532.8; 23-SEP-2010 03:09:29; Dark ; 44.5; 132; 15Rho Pup ; 2.80; 6900;occ; 89; 0;44775
 4; -330.9; 23-SEP-2010 03:12:51; Dark ; 49.0; 37; 25Del CMA ; 1.83; 5900;occ; 98; 0;44775
 5; -219.9; 23-SEP-2010 03:14:42; Dark ; 49.0; 117; Pi Pup ; 2.71; 3800;occ; 98; 0;44775
 6; -32.1; 23-SEP-2010 03:17:50; Dark ; 59.0; 0; ; 0.00; 0;occ; 118; 0;44775
 7; 87.3; 23-SEP-2010 03:19:49; Dark ; 48.0; 2; Alp Car ; -0.74; 7000;occ; 96; 0;44776
 8; 771.0; 23-SEP-2010 03:31:13; Dark ; 44.5; 9; Alp Eri ; 0.45; 24000;occ; 89; 0;44776
 9; 1105.0; 23-SEP-2010 03:36:47; Dark ; 45.5; 84; Alp Phe ; 2.40; 4500;occ; 91; 0;44776
10; 1541.6; 23-SEP-2010 03:44:04; Dark ; 54.0; 52; 16Bet Cet ; 2.04; 4500;occ; 108; 0;44776
11; 2168.1; 23-SEP-2010 03:54:30; Bright; 38.0; 90; 54Alp Peg ; 2.49; 11000;occ; 76; 0;44776
12; 2392.9; 23-SEP-2010 03:58:15; Bright; 37.0; 93; 53Bet Peg ; 2.52; 3100;occ; 74; 0;44776
13; 2479.0; 23-SEP-2010 03:59:41; Bright; 45.5; 58; 21Alp And ; 2.07; 11000;occ; 91; 0;44776
14; 2987.2; 23-SEP-2010 04:08:09; Bright; 40.0; 74; 11Bet Cas ; 2.27; 6600;occ; 80; 0;44776
15; 3082.9; 23-SEP-2010 04:09:45; Bright; 41.5; 76; 27Gam Cas ; 2.30; 30000;occ; 83; 0;44776
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 1; -1540.6; 23-SEP-2010 04:33:18; Bright; 48.0; 24; 66Alp Gem ; 1.58; 10200;occ; 96; 0;44776
 2; -971.8; 23-SEP-2010 04:42:46; Dark ; 60.5; 8; 10Alp CMI ; 0.40; 6500;occ; 121; 0;44776
 3; -532.4; 23-SEP-2010 04:50:06; Dark ; 45.0; 132; 15Rho Pup ; 2.80; 6900;occ; 90; 0;44776
 4; -342.5; 23-SEP-2010 04:53:16; Dark ; 48.0; 88; 31Eta CMA ; 2.45; 20000;occ; 96; 0;44776
 5; -260.4; 23-SEP-2010 04:54:38; Dark ; 53.0; 23; 21Eps CMA ; 1.50; 26000;occ; 106; 0;44776
 6; -121.5; 23-SEP-2010 04:56:57; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;44776
 7; 5.4; 23-SEP-2010 04:59:04; Dark ; 44.0; 161; Tau Pup ; 2.93; 4500;occ; 88; 0;44776
 8; 87.9; 23-SEP-2010 05:00:26; Dark ; 57.5; 2; Alp Car ; -0.74; 7000;occ; 115; 0;44777
 9; 771.5; 23-SEP-2010 05:11:50; Dark ; 51.5; 9; Alp Eri ; 0.45; 24000;occ; 103; 0;44777
10; 1105.3; 23-SEP-2010 05:17:23; Dark ; 47.0; 84; Alp Phe ; 2.40; 4500;occ; 94; 0;44777
11; 1541.6; 23-SEP-2010 05:24:40; Dark ; 54.0; 52; 16Bet Cet ; 2.04; 4500;occ; 108; 0;44777
12; 2168.0; 23-SEP-2010 05:35:06; Bright; 37.5; 90; 54Alp Peg ; 2.49; 11000;occ; 75; 0;44777
13; 2392.9; 23-SEP-2010 05:38:51; Bright; 40.5; 93; 53Bet Peg ; 2.52; 3100;occ; 81; 0;44777
14; 2478.6; 23-SEP-2010 05:40:17; Bright; 43.0; 58; 21Alp And ; 2.07; 11000;occ; 86; 0;44777
15; 2986.6; 23-SEP-2010 05:48:45; Bright; 40.5; 74; 11Bet Cas ; 2.27; 6600;occ; 81; 0;44777
16; 3082.2; 23-SEP-2010 05:50:20; Bright; 41.5; 76; 27Gam Cas ; 2.30; 30000;occ; 83; 0;44777

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1;	1542.4;	23-SEP-2010	15:28:16;	Dark	;	54.0;	52;	16Bet	Cet	;	2.04;	4500;	occ;	108;	0;	44783
2;	2167.7;	23-SEP-2010	15:38:41;	Bright;	;	38.5;	90;	54Alp	Peg	;	2.49;	11000;	occ;	77;	0;	44783
3;	2392.2;	23-SEP-2010	15:42:26;	Bright;	;	39.5;	93;	53Bet	Peg	;	2.52;	3100;	occ;	79;	0;	44783
4;	2475.7;	23-SEP-2010	15:43:49;	Bright;	;	43.0;	58;	21Alp	And	;	2.07;	11000;	occ;	86;	0;	44783
5;	2984.7;	23-SEP-2010	15:52:18;	Bright;	;	37.5;	74;	11Bet	Cas	;	2.27;	6600;	occ;	75;	0;	44783
6;	3079.6;	23-SEP-2010	15:53:53;	Bright;	;	41.5;	76;	27Gam	Cas	;	2.30;	30000;	occ;	83;	0;	44783
7;	4496.5;	23-SEP-2010	16:17:30;	Bright;	;	47.5;	24;	66Alp	Gem	;	1.58;	10200;	occ;	95;	0;	44783
8;	5069.5;	23-SEP-2010	16:27:03;	Dark	;	69.0;	8;	10Alp	CMI	;	0.40;	6500;	occ;	138;	0;	44783
9;	5508.2;	23-SEP-2010	16:34:22;	Dark	;	40.5;	132;	15Rho	Pup	;	2.80;	6900;	occ;	81;	0;	44783
10;	5681.4;	23-SEP-2010	16:37:15;	Dark	;	67.0;	1;	9Alp	CMA	;	-1.44;	11000;	occ;	134;	0;	44783
11;	5782.9;	23-SEP-2010	16:38:56;	Dark	;	46.5;	23;	21Eps	CMA	;	1.50;	26000;	occ;	93;	0;	44783
12;	5919.0;	23-SEP-2010	16:41:13;	Dark	;	59.5;	0;			;	0.00;	0;	occ;	119;	0;	44783
13;	6046.0;	23-SEP-2010	16:43:20;	Dark	;	43.0;	161;	Tau	Pup	;	2.93;	4500;	occ;	86;	0;	44784
14;	6183.2;	23-SEP-2010	16:45:37;	Dark	;	54.0;	108;	Alp	Col	;	2.65;	15200;	occ;	108;	0;	44784
15;	6864.6;	23-SEP-2010	16:56:58;	Dark	;	51.5;	157;	The1Eri		;	2.91;	9300;	occ;	103;	0;	44784
16;	7143.8;	23-SEP-2010	17:01:37;	Dark	;	45.0;	84;	Alp	Phe	;	2.40;	4500;	occ;	90;	0;	44784

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1;	1542.6;	23-SEP-2010	17:08:52;	Dark	;	55.0;	52;	16Bet	Cet	;	2.04;	4500;	occ;	110;	0;	44784
2;	2167.8;	23-SEP-2010	17:19:17;	Bright;	;	38.0;	90;	54Alp	Peg	;	2.49;	11000;	occ;	76;	0;	44784
3;	2391.8;	23-SEP-2010	17:23:01;	Bright;	;	40.5;	93;	53Bet	Peg	;	2.52;	3100;	occ;	81;	0;	44784
4;	2475.3;	23-SEP-2010	17:24:25;	Bright;	;	43.0;	58;	21Alp	And	;	2.07;	11000;	occ;	86;	0;	44784
5;	2984.2;	23-SEP-2010	17:32:54;	Bright;	;	40.5;	74;	11Bet	Cas	;	2.27;	6600;	occ;	81;	0;	44784
6;	3079.0;	23-SEP-2010	17:34:29;	Bright;	;	40.5;	76;	27Gam	Cas	;	2.30;	30000;	occ;	81;	0;	44784
7;	4496.5;	23-SEP-2010	17:58:06;	Bright;	;	49.5;	24;	66Alp	Gem	;	1.58;	10200;	occ;	99;	0;	44784
8;	5070.1;	23-SEP-2010	18:07:40;	Dark	;	63.5;	8;	10Alp	CMI	;	0.40;	6500;	occ;	127;	0;	44784
9;	5508.9;	23-SEP-2010	18:14:58;	Dark	;	42.0;	132;	15Rho	Pup	;	2.80;	6900;	occ;	84;	0;	44784
10;	5682.8;	23-SEP-2010	18:17:52;	Dark	;	61.0;	1;	9Alp	CMA	;	-1.44;	11000;	occ;	122;	0;	44784
11;	5783.8;	23-SEP-2010	18:19:33;	Dark	;	54.0;	23;	21Eps	CMA	;	1.50;	26000;	occ;	108;	0;	44784
12;	5919.7;	23-SEP-2010	18:21:49;	Dark	;	59.5;	0;			;	0.00;	0;	occ;	119;	0;	44784
13;	6046.8;	23-SEP-2010	18:23:56;	Dark	;	43.0;	161;	Tau	Pup	;	2.93;	4500;	occ;	86;	0;	44785
14;	6184.6;	23-SEP-2010	18:26:14;	Dark	;	55.5;	108;	Alp	Col	;	2.65;	15200;	occ;	111;	0;	44785
15;	6865.4;	23-SEP-2010	18:37:35;	Dark	;	51.0;	157;	The1Eri		;	2.91;	9300;	occ;	102;	0;	44785
16;	7144.0;	23-SEP-2010	18:42:14;	Dark	;	16.0;	84;	Alp	Phe	;	2.40;	4500;	occ;	32;	0;	44785

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1;	1108.0;	23-SEP-2010	18:42:14;	Dark	;	45.5;	84;	Alp	Phe	;	2.40;	4500;	occ;	91;	0;	44785
2;	1542.9;	23-SEP-2010	18:49:28;	Dark	;	53.5;	52;	16Bet	Cet	;	2.04;	4500;	occ;	107;	0;	44785
3;	2167.5;	23-SEP-2010	18:59:53;	Bright;	;	37.5;	90;	54Alp	Peg	;	2.49;	11000;	occ;	75;	0;	44785
4;	2391.7;	23-SEP-2010	19:03:37;	Bright;	;	38.0;	93;	53Bet	Peg	;	2.52;	3100;	occ;	76;	0;	44785
5;	2474.9;	23-SEP-2010	19:05:00;	Bright;	;	42.0;	58;	21Alp	And	;	2.07;	11000;	occ;	84;	0;	44785
6;	2984.0;	23-SEP-2010	19:13:30;	Bright;	;	41.5;	74;	11Bet	Cas	;	2.27;	6600;	occ;	83;	0;	44785
7;	3078.3;	23-SEP-2010	19:15:04;	Bright;	;	42.0;	76;	27Gam	Cas	;	2.30;	30000;	occ;	84;	0;	44785
8;	4496.8;	23-SEP-2010	19:38:42;	Bright;	;	48.5;	24;	66Alp	Gem	;	1.58;	10200;	occ;	97;	0;	44785
9;	5070.8;	23-SEP-2010	19:48:16;	Dark	;	71.0;	8;	10Alp	CMI	;	0.40;	6500;	occ;	142;	0;	44785
10;	5509.3;	23-SEP-2010	19:55:35;	Dark	;	41.5;	132;	15Rho	Pup	;	2.80;	6900;	occ;	83;	0;	44785
11;	5683.9;	23-SEP-2010	19:58:29;	Dark	;	61.0;	1;	9Alp	CMA	;	-1.44;	11000;	occ;	122;	0;	44785
12;	5784.9;	23-SEP-2010	20:00:10;	Dark	;	49.0;	23;	21Eps	CMA	;	1.50;	26000;	occ;	98;	0;	44785
13;	5920.3;	23-SEP-2010	20:02:26;	Dark	;	59.5;	0;			;	0.00;	0;	occ;	119;	0;	44785
14;	6047.4;	23-SEP-2010	20:04:33;	Dark	;	51.0;	161;	Tau	Pup	;	2.93;	4500;	occ;	102;	0;	44786
15;	6185.8;	23-SEP-2010	20:06:51;	Dark	;	55.5;	108;	Alp	Col	;	2.65;	15200;	occ;	111;	0;	44786
16;	6866.3;	23-SEP-2010	20:18:12;	Dark	;	51.0;	157;	The1Eri		;	2.91;	9300;	occ;	102;	0;	44786

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1;	1544.8;	24-SEP-2010	19:58:29;	Dark	;	53.0;	52;	16Bet	Cet	;	2.04;	4500;	occ;	106;	0;	44800
2;	2166.8;	24-SEP-2010	20:08:51;	Bright;	;	37.5;	90;	54Alp	Peg	;	2.49;	11000;	occ;	75;	0;	44800
3;	2390.0;	24-SEP-2010	20:12:34;	Bright;	;	39.0;	93;	53Bet	Peg	;	2.52;	3100;	occ;	78;	0;	44800
4;	2978.5;	24-SEP-2010	20:22:23;	Bright;	;	41.0;	74;	11Bet	Cas	;	2.27;	6600;	occ;	82;	0;	44800
5;	3071.1;	24-SEP-2010	20:23:55;	Bright;	;	42.0;	76;	27Gam	Cas	;	2.30;	30000;	occ;	84;	0;	44800
6;	4498.7;	24-SEP-2010	20:47:43;	Bright;	;	51.0;	24;	66Alp	Gem	;	1.58;	10200;	occ;	102;	0;	44800

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1;	-953.9;	24-SEP-2010	20:57:26;	Dark	;	73.0;	8;	10Alp	CMI	;	0.40;	6500;	occ;	146;	0;	44800
2;	-516.9;	24-SEP-2010	21:04:43;	Dark	;	45.0;	132;	15Rho	Pup	;	2.80;	6900;	occ;	90;	0;	44800
3;	-321.7;	24-SEP-2010	21:07:59;	Dark	;	43.0;	88;	31Eta	CMA	;	2.45;	20000;	occ;	86;	0;	44800
4;	-235.2;	24-SEP-2010	21:09:25;	Dark	;	50.0;	23;	21Eps	CMA	;	1.50;	26000;	occ;	100;	0;	44800
5;	-105.9;	24-SEP-2010	21:11:34;	Dark	;	59.5;	0;			;	0.00;	0;	occ;	119;	0;	44800
6;	171.0;	24-SEP-2010	21:16:11;	Dark	;	56.5;	108;	Alp	Col	;	2.65;	15200;	occ;	113;	0;	44801
7;	842.9;	24-SEP-2010	21:27:23;	Dark	;	53.0;	157;	The1Eri		;	2.91;	9300;	occ;	106;	0;	44801
8;	1544.9;	24-SEP-2010	21:39:05;	Dark	;	55.0;	52;	16Bet	Cet	;	2.04;	4500;	occ;	110;	0;	44801
9;	2166.6;	24-SEP-2010	21:49:27;	Bright;	;	37.5;	90;	54Alp	Peg	;	2.49;	11000;	occ;	75;	0;	44801

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10; 2389.9; 24-SEP-2010 21:53:10; Bright; 37.5; 93; 53Bet Peg ; 2.52; 3100;occ; 75; 0;44801
11; 2978.1; 24-SEP-2010 22:02:58; Bright; 40.5; 74; 11Bet Cas ; 2.27; 6600;occ; 81; 0;44801
12; 3070.6; 24-SEP-2010 22:04:31; Bright; 43.5; 76; 27Gam Cas ; 2.30; 30000;occ; 87; 0;44801
13; 4498.8; 24-SEP-2010 22:28:19; Bright; 52.5; 24; 66Alp Gem ; 1.58; 10200;occ; 105; 0;44801
14; 5082.6; 24-SEP-2010 22:38:03; Dark ; 61.5; 8; 10Alp CMi ; 0.40; 6500;occ; 123; 0;44801
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 1; -320.9; 24-SEP-2010 22:48:35; Dark ; 45.0; 88; 31Eta CMA ; 2.45; 20000;occ; 90; 0;44801
 2; -234.4; 24-SEP-2010 22:50:02; Dark ; 49.0; 23; 21Eps CMA ; 1.50; 26000;occ; 98; 0;44801
 3; -105.2; 24-SEP-2010 22:52:11; Dark ; 59.0; 0; ; 0.00; 0;occ; 118; 0;44801
 4; 172.6; 24-SEP-2010 22:56:49; Dark ; 53.0; 108; Alp Col ; 2.65; 15200;occ; 106; 0;44802
 5; 843.7; 24-SEP-2010 23:08:00; Dark ; 51.5; 157; The1Eri ; 2.91; 9300;occ; 103; 0;44802
 6; 1544.9; 24-SEP-2010 23:19:41; Dark ; 51.0; 52; 16Bet Cet ; 2.04; 4500;occ; 102; 0;44802
 7; 2210.3; 24-SEP-2010 23:30:46; Bright; 43.5; 140; 88Gam Peg ; 2.83; 26000;occ; 87; 0;44802
 8; 2389.7; 24-SEP-2010 23:33:46; Bright; 37.5; 93; 53Bet Peg ; 2.52; 3100;occ; 75; 0;44802
 9; 2977.7; 24-SEP-2010 23:43:34; Bright; 40.0; 74; 11Bet Cas ; 2.27; 6600;occ; 80; 0;44802
10; 3070.2; 24-SEP-2010 23:45:06; Bright; 41.0; 76; 27Gam Cas ; 2.30; 30000;occ; 82; 0;44802
11; 4498.9; 25-SEP-2010 00:08:55; Bright; 71.0; 24; 66Alp Gem ; 1.58; 10200;occ; 142; 0;44802
12; 5083.3; 25-SEP-2010 00:18:39; Dark ; 58.5; 8; 10Alp CMi ; 0.40; 6500;occ; 117; 0;44802
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 2; -960.0; 24-SEP-2010 07:32:33; Dark ; 67.0; 8; 10Alp CMi ; 0.40; 6500;occ; 134; 0;44792
 3; -522.2; 24-SEP-2010 07:39:51; Dark ; 44.0; 132; 15Rho Pup ; 2.80; 6900;occ; 88; 0;44792
 4; -341.9; 24-SEP-2010 07:42:51; Dark ; 36.0; 1; 9Alp CMA ; -1.44; 11000;occ; 72; 0;44792
 5; -243.9; 24-SEP-2010 07:44:29; Dark ; 53.5; 23; 21Eps CMA ; 1.50; 26000;occ; 107; 0;44792
 6; -111.1; 24-SEP-2010 07:46:42; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;44792
 7; 16.1; 24-SEP-2010 07:48:49; Dark ; 41.0; 161; Tau Pup ; 2.93; 4500;occ; 82; 0;44793
 8; 159.9; 24-SEP-2010 07:51:13; Dark ; 54.5; 108; Alp Col ; 2.65; 15200;occ; 109; 0;44793
 9; 836.4; 24-SEP-2010 08:02:29; Dark ; 53.5; 157; The1Eri ; 2.91; 9300;occ; 107; 0;44793
10; 1543.9; 24-SEP-2010 08:14:17; Dark ; 55.0; 52; 16Bet Cet ; 2.04; 4500;occ; 110; 0;44793
/nas3/ENVISAT/GOMOS/GOM_NL__0P/GOM_NL__0PNPDK20100924_082440_000054662093_00150_44793_2520.N1
 1; 2167.1; 24-SEP-2010 08:24:40; Bright; 38.0; 90; 54Alp Peg ; 2.49; 11000;occ; 76; 0;44793
 2; 2391.0; 24-SEP-2010 08:28:24; Bright; 39.0; 93; 53Bet Peg ; 2.52; 3100;occ; 78; 0;44793
 3; 2471.0; 24-SEP-2010 08:29:44; Bright; 43.0; 58; 21Alp And ; 2.07; 11000;occ; 86; 0;44793
 4; 2981.1; 24-SEP-2010 08:38:14; Bright; 38.0; 74; 11Bet Cas ; 2.27; 6600;occ; 76; 0;44793
 5; 3074.6; 24-SEP-2010 08:39:47; Bright; 42.5; 76; 27Gam Cas ; 2.30; 30000;occ; 85; 0;44793
 6; 4497.9; 24-SEP-2010 09:03:31; Bright; 49.5; 24; 66Alp Gem ; 1.58; 10200;occ; 99; 0;44793
 7; 5076.7; 24-SEP-2010 09:13:10; Dark ; 58.5; 8; 10Alp CMi ; 0.40; 6500;occ; 117; 0;44793
 8; 5514.5; 24-SEP-2010 09:20:27; Dark ; 43.5; 132; 15Rho Pup ; 2.80; 6900;occ; 87; 0;44793
 9; 5695.5; 24-SEP-2010 09:23:28; Dark ; 36.0; 1; 9Alp CMA ; -1.44; 11000;occ; 72; 0;44793
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11; 5925.5; 24-SEP-2010 09:27:18; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;44793
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6; 5058.2; 25-SEP-2010 08:41:14; Dark ; 58.5; 153; 3Bet CMi ; 2.89; 13100;occ; 117; 0;44807
7; 5523.7; 25-SEP-2010 08:48:59; Dark ; 41.5; 132; 15Rho Pup ; 2.80; 6900;occ; 83; 0;44807
8; 5720.5; 25-SEP-2010 08:52:16; Dark ; 46.0; 88; 31Eta CMA ; 2.45; 20000;occ; 92; 0;44807
9; 5808.2; 25-SEP-2010 08:53:44; Dark ; 55.5; 23; 21Eps CMA ; 1.50; 26000;occ; 111; 0;44807
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13; 6885.0; 25-SEP-2010 09:11:41; Dark ; 53.0; 157; The1Eri ; 2.91; 9300;occ; 106; 0;44808
14; 7581.8; 25-SEP-2010 09:23:18; Dark ; 52.5; 52; 16Bet Cet ; 2.04; 4500;occ; 105; 0;44808
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7; 5524.5; 25-SEP-2010 10:29:36; Dark ; 42.0; 132; 15Rho Pup ; 2.80; 6900;occ; 84; 0;44808
8; 5721.4; 25-SEP-2010 10:32:53; Dark ; 46.0; 88; 31Eta CMA ; 2.45; 20000;occ; 92; 0;44808
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8; 5722.4; 25-SEP-2010 12:13:30; Dark ; 47.0; 88; 31Eta CMA ; 2.45; 20000;occ; 94; 0;44809
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7; 5525.8; 25-SEP-2010 13:50:49; Dark ; 44.0; 132; 15Rho Pup ; 2.80; 6900;occ; 88; 0;44810
8; 5723.3; 25-SEP-2010 13:54:07; Dark ; 47.5; 88; 31Eta CMA ; 2.45; 20000;occ; 95; 0;44810
9; 5811.3; 25-SEP-2010 13:55:35; Dark ; 55.5; 23; 21Eps CMA ; 1.50; 26000;occ; 111; 0;44810
10; 5936.7; 25-SEP-2010 13:57:40; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;44810
11; 6064.3; 25-SEP-2010 13:59:48; Dark ; 39.5; 161; Tau Pup ; 2.93; 4500;occ; 79; 0;44811
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4; 2975.0; 25-SEP-2010 14:48:54; Bright; 38.5; 74; 11Bet Cas ; 2.27; 6600;occ; 77; 0;44811
5; 3066.4; 25-SEP-2010 14:50:26; Bright; 39.0; 76; 27Gam Cas ; 2.30; 30000;occ; 78; 0;44811
6; 4500.5; 25-SEP-2010 15:14:20; Bright; 51.5; 24; 66Alp Gem ; 1.58; 10200;occ; 103; 0;44811
7; 5090.7; 25-SEP-2010 15:24:10; Dark ; 74.0; 8; 10Alp CMi ; 0.40; 6500;occ; 148; 0;44811
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12; 6064.9; 25-SEP-2010 15:40:24; Dark ; 41.5; 161; Tau Pup ; 2.93; 4500;occ; 83; 0;44812
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 4; 2974.6; 25-SEP-2010 16:29:30; Bright; 40.5; 74; 11Bet Cas ; 2.27; 6600;occ; 81; 0;44812
 5; 3065.8; 25-SEP-2010 16:31:01; Bright; 40.0; 76; 27Gam Cas ; 2.30; 30000;occ; 80; 0;44812
 6; 4500.6; 25-SEP-2010 16:54:56; Bright; 48.5; 24; 66Alp Gem ; 1.58; 10200;occ; 97; 0;44812
 7; 5091.4; 25-SEP-2010 17:04:47; Dark ; 70.0; 8; 10Alp CMi ; 0.40; 6500;occ; 140; 0;44812
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11; 5938.1; 25-SEP-2010 17:18:53; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;44812
12; 6065.7; 25-SEP-2010 17:21:01; Dark ; 42.5; 161; Tau Pup ; 2.93; 4500;occ; 85; 0;44813
13; 6224.4; 25-SEP-2010 17:23:40; Dark ; 55.0; 108; Alp Col ; 2.65; 15200;occ; 110; 0;44813
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 5; 3065.4; 25-SEP-2010 18:11:37; Bright; 42.0; 76; 27Gam Cas ; 2.30; 30000;occ; 84; 0;44813
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13; 6227.2; 25-SEP-2010 20:44:54; Dark ; 57.0; 108; Alp Col ; 2.65; 15200;occ; 114; 0;44815
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 4; 2973.5; 25-SEP-2010 21:31:17; Bright; 40.5; 74; 11Bet Cas ; 2.27; 6600;occ; 81; 0;44815
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 5; 31.7; 25-SEP-2010 22:22:51; Dark ; 43.5; 161; Tau Pup ; 2.93; 4500;occ; 87; 0;44816
 6; 193.0; 25-SEP-2010 22:25:32; Dark ; 56.5; 108; Alp Col ; 2.65; 15200;occ; 113; 0;44816
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 8; 197.2; 26-SEP-2010 03:27:24; Dark ; 55.0; 108; Alp Col ; 2.65; 15200;occ; 110; 0;44819
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5; 2961.6; 28-SEP-2010 14:54:25; Bright; 36.5; 74; 11Bet Cas ; 2.27; 6600;occ; 73; 0;44854
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 6; 147.6; 29-SEP-2010 01:51:43; Dark ; 45.5; 2; Alp Car ;-0.74; 7000;occ; 91; 0;44861
 7; 258.7; 29-SEP-2010 01:53:34; Dark ; 46.0; 108; Alp Col ; 2.65; 15200;occ; 92; 0;44861
 8; 891.8; 29-SEP-2010 02:04:07; Dark ; 52.0; 157; The1Eri ; 2.91; 9300;occ; 104; 0;44861
 9; 1553.1; 29-SEP-2010 02:15:08; Dark ; 50.0; 52; 16Bet Cet ; 2.04; 4500;occ; 100; 0;44861
 10; 2192.7; 29-SEP-2010 02:25:48; Bright; 40.5; 140; 88Gam Peg ; 2.83; 26000;occ; 81; 0;44861
 11; 2444.5; 29-SEP-2010 02:30:00; Bright; 42.0; 58; 21Alp And ; 2.07; 11000;occ; 84; 0;44861
 12; 2683.1; 29-SEP-2010 02:33:58; Bright; 47.5; 53; 43Bet And ; 2.05; 3300;occ; 95; 0;44861
 13; 2959.4; 29-SEP-2010 02:38:35; Bright; 37.0; 74; 11Bet Cas ; 2.27; 6600;occ; 74; 0;44861
 14; 3044.3; 29-SEP-2010 02:39:59; Bright; 39.5; 76; 27Gam Cas ; 2.30; 30000;occ; 79; 0;44861

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 4; -264.0; 29-SEP-2010 03:25:27; Dark ; 47.0; 88; 31Eta CMA ; 2.45; 20000;occ; 94; 0;44861
 5; -165.7; 29-SEP-2010 03:27:05; Dark ; 51.5; 23; 21Eps CMA ; 1.50; 26000;occ; 103; 0;44861
 6; -63.8; 29-SEP-2010 03:28:47; Dark ; 59.0; 0; ; 0.00; 0;occ; 118; 0;44861
 7; 64.5; 29-SEP-2010 03:30:56; Dark ; 45.0; 161; Tau Pup ; 2.93; 4500;occ; 90; 0;44862
 8; 148.3; 29-SEP-2010 03:32:19; Dark ; 55.5; 2; Alp Car ;-0.74; 7000;occ; 111; 0;44862
 9; 260.2; 29-SEP-2010 03:34:11; Dark ; 43.0; 108; Alp Col ; 2.65; 15200;occ; 86; 0;44862
 10; 892.4; 29-SEP-2010 03:44:44; Dark ; 50.5; 157; The1Eri ; 2.91; 9300;occ; 101; 0;44862
 11; 1553.2; 29-SEP-2010 03:55:44; Dark ; 49.5; 52; 16Bet Cet ; 2.04; 4500;occ; 99; 0;44862
 12; 2192.4; 29-SEP-2010 04:06:24; Bright; 41.5; 140; 88Gam Peg ; 2.83; 26000;occ; 83; 0;44862
 13; 2444.4; 29-SEP-2010 04:10:36; Bright; 40.5; 58; 21Alp And ; 2.07; 11000;occ; 81; 0;44862
 14; 2682.5; 29-SEP-2010 04:14:34; Bright; 49.5; 53; 43Bet And ; 2.05; 3300;occ; 99; 0;44862
 15; 2959.3; 29-SEP-2010 04:19:10; Bright; 38.5; 74; 11Bet Cas ; 2.27; 6600;occ; 77; 0;44862
 16; 3044.0; 29-SEP-2010 04:20:35; Bright; 41.0; 76; 27Gam Cas ; 2.30; 30000;occ; 82; 0;44862

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 3; -901.4; 29-SEP-2010 04:55:26; Dark ; 44.0; 8; 10Alp CMI ; 0.40; 6500;occ; 88; 0;44862
 4; -472.9; 29-SEP-2010 05:02:34; Dark ; 45.5; 132; 15Rho Pup ; 2.80; 6900;occ; 91; 0;44862
 5; -262.9; 29-SEP-2010 05:06:04; Dark ; 46.5; 88; 31Eta CMA ; 2.45; 20000;occ; 93; 0;44862
 6; -164.5; 29-SEP-2010 05:07:43; Dark ; 53.0; 23; 21Eps CMA ; 1.50; 26000;occ; 106; 0;44862
 7; -63.1; 29-SEP-2010 05:09:24; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;44862
 8; 65.1; 29-SEP-2010 05:11:32; Dark ; 41.0; 161; Tau Pup ; 2.93; 4500;occ; 82; 0;44863
 9; 149.0; 29-SEP-2010 05:12:56; Dark ; 55.5; 2; Alp Car ;-0.74; 7000;occ; 111; 0;44863
 10; 261.8; 29-SEP-2010 05:14:49; Dark ; 43.0; 108; Alp Col ; 2.65; 15200;occ; 86; 0;44863
 11; 893.2; 29-SEP-2010 05:25:20; Dark ; 49.5; 157; The1Eri ; 2.91; 9300;occ; 99; 0;44863
 12; 1553.4; 29-SEP-2010 05:36:20; Dark ; 51.5; 52; 16Bet Cet ; 2.04; 4500;occ; 103; 0;44863
 13; 2192.0; 29-SEP-2010 05:46:59; Bright; 41.5; 140; 88Gam Peg ; 2.83; 26000;occ; 83; 0;44863
 14; 2444.1; 29-SEP-2010 05:51:11; Bright; 39.5; 58; 21Alp And ; 2.07; 11000;occ; 79; 0;44863
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 16; 2959.0; 29-SEP-2010 05:59:46; Bright; 39.0; 74; 11Bet Cas ; 2.27; 6600;occ; 78; 0;44863
 17; 3043.6; 29-SEP-2010 06:01:11; Bright; 39.5; 76; 27Gam Cas ; 2.30; 30000;occ; 79; 0;44863

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 2; 2190.0; 29-SEP-2010 20:52:20; Bright; 41.5; 140; 88Gam Peg ; 2.83; 26000;occ; 83; 0;44872
 3; 2441.2; 29-SEP-2010 20:56:32; Bright; 40.5; 58; 21Alp And ; 2.07; 11000;occ; 81; 0;44872
 4; 2674.7; 29-SEP-2010 21:00:25; Bright; 50.5; 53; 43Bet And ; 2.05; 3300;occ; 101; 0;44872
 5; 2956.5; 29-SEP-2010 21:05:07; Bright; 39.5; 74; 11Bet Cas ; 2.27; 6600;occ; 79; 0;44872
 6; 3039.7; 29-SEP-2010 21:06:30; Bright; 40.0; 76; 27Gam Cas ; 2.30; 30000;occ; 80; 0;44872
 7; 4595.8; 29-SEP-2010 21:32:26; Bright; 58.5; 17; 78Bet Gem ; 1.16; 4500;occ; 117; 0;44872

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 2;-1442.3; 29-SEP-2010 06:27:01; Bright; 54.5; 17; 78Bet Gem ; 1.16; 4500;occ; 109; 0;44863
 3; -900.4; 29-SEP-2010 06:36:03; Dark ; 44.0; 8; 10Alp CMI ; 0.40; 6500;occ; 88; 0;44863
 4; -472.0; 29-SEP-2010 06:43:11; Dark ; 46.0; 132; 15Rho Pup ; 2.80; 6900;occ; 92; 0;44863
 5; -261.9; 29-SEP-2010 06:46:41; Dark ; 52.0; 88; 31Eta CMA ; 2.45; 20000;occ; 104; 0;44863
 6; -163.4; 29-SEP-2010 06:48:20; Dark ; 52.5; 23; 21Eps CMA ; 1.50; 26000;occ; 105; 0;44863
 7; -62.3; 29-SEP-2010 06:50:01; Dark ; 59.0; 0; ; 0.00; 0;occ; 118; 0;44863
 8; 65.8; 29-SEP-2010 06:52:09; Dark ; 45.0; 161; Tau Pup ; 2.93; 4500;occ; 90; 0;44864
 9; 149.7; 29-SEP-2010 06:53:33; Dark ; 58.5; 2; Alp Car ;-0.74; 7000;occ; 117; 0;44864


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10; 263.4; 29-SEP-2010 06:55:26; Dark ; 41.0; 108; Alp Col ; 2.65; 15200;occ; 82; 0;44864
11; 893.8; 29-SEP-2010 07:05:57; Dark ; 49.0; 157; The1Eri ; 2.91; 9300;occ; 98; 0;44864
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3; 2681.0; 29-SEP-2010 07:35:44; Bright; 47.5; 53; 43Bet And ; 2.05; 3300;occ; 95; 0;44864
4; 2958.7; 29-SEP-2010 07:40:22; Bright; 39.5; 74; 11Bet Cas ; 2.27; 6600;occ; 79; 0;44864
5; 3043.1; 29-SEP-2010 07:41:46; Bright; 41.0; 76; 27Gam Cas ; 2.30; 30000;occ; 82; 0;44864
6; 4594.0; 29-SEP-2010 08:07:37; Bright; 56.0; 17; 78Bet Gem ; 1.16; 4500;occ; 112; 0;44864
7; 5136.4; 29-SEP-2010 08:16:40; Dark ; 36.0; 8; 10Alp CMi ; 0.40; 6500;occ; 72; 0;44864
8; 5564.6; 29-SEP-2010 08:23:48; Dark ; 45.0; 132; 15Rho Pup ; 2.80; 6900;occ; 90; 0;44864
9; 5775.1; 29-SEP-2010 08:27:18; Dark ; 48.0; 88; 31Eta CMA ; 2.45; 20000;occ; 96; 0;44864
10; 5873.9; 29-SEP-2010 08:28:57; Dark ; 57.0; 23; 21Eps CMA ; 1.50; 26000;occ; 114; 0;44864
11; 5974.3; 29-SEP-2010 08:30:37; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;44864
12; 6102.4; 29-SEP-2010 08:32:45; Dark ; 41.0; 161; Tau Pup ; 2.93; 4500;occ; 82; 0;44865
13; 6186.5; 29-SEP-2010 08:34:10; Dark ; 58.5; 2; Alp Car ; -0.74; 7000;occ; 117; 0;44865
14; 6300.5; 29-SEP-2010 08:36:04; Dark ; 41.0; 108; Alp Col ; 2.65; 15200;occ; 82; 0;44865
15; 6930.8; 29-SEP-2010 08:46:34; Dark ; 50.0; 157; The1Eri ; 2.91; 9300;occ; 100; 0;44865
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2; 2443.4; 29-SEP-2010 09:12:22; Bright; 41.5; 58; 21Alp And ; 2.07; 11000;occ; 83; 0;44865
3; 2680.0; 29-SEP-2010 09:16:19; Bright; 49.5; 53; 43Bet And ; 2.05; 3300;occ; 99; 0;44865
4; 2958.6; 29-SEP-2010 09:20:58; Bright; 39.0; 74; 11Bet Cas ; 2.27; 6600;occ; 78; 0;44865
5; 3042.6; 29-SEP-2010 09:22:22; Bright; 41.0; 76; 27Gam Cas ; 2.30; 30000;occ; 82; 0;44865
6; 4594.3; 29-SEP-2010 09:48:13; Bright; 57.0; 17; 78Bet Gem ; 1.16; 4500;occ; 114; 0;44865
7; 5137.3; 29-SEP-2010 09:57:16; Dark ; 36.0; 8; 10Alp CMi ; 0.40; 6500;occ; 72; 0;44865
8; 5565.3; 29-SEP-2010 10:04:24; Dark ; 44.0; 132; 15Rho Pup ; 2.80; 6900;occ; 88; 0;44865
9; 5776.1; 29-SEP-2010 10:07:55; Dark ; 49.0; 88; 31Eta CMA ; 2.45; 20000;occ; 98; 0;44865
10; 5875.1; 29-SEP-2010 10:09:34; Dark ; 55.5; 23; 21Eps CMA ; 1.50; 26000;occ; 111; 0;44865
11; 5975.0; 29-SEP-2010 10:11:14; Dark ; 59.0; 0; ; 0.00; 0;occ; 118; 0;44865
12; 6103.3; 29-SEP-2010 10:13:22; Dark ; 43.0; 161; Tau Pup ; 2.93; 4500;occ; 86; 0;44866
13; 6187.3; 29-SEP-2010 10:14:46; Dark ; 45.0; 2; Alp Car ; -0.74; 7000;occ; 90; 0;44866
14; 6302.1; 29-SEP-2010 10:16:41; Dark ; 38.0; 108; Alp Col ; 2.65; 15200;occ; 76; 0;44866
15; 6931.6; 29-SEP-2010 10:27:11; Dark ; 50.0; 157; The1Eri ; 2.91; 9300;occ; 100; 0;44866
16; 7589.8; 29-SEP-2010 10:38:09; Dark ; 51.5; 52; 16Bet Cet ; 2.04; 4500;occ; 103; 0;44866
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2; 2443.0; 29-SEP-2010 10:52:58; Bright; 40.5; 58; 21Alp And ; 2.07; 11000;occ; 81; 0;44866
3; 2679.4; 29-SEP-2010 10:56:54; Bright; 52.0; 53; 43Bet And ; 2.05; 3300;occ; 104; 0;44866
4; 2958.2; 29-SEP-2010 11:01:33; Bright; 40.5; 74; 11Bet Cas ; 2.27; 6600;occ; 81; 0;44866
5; 3042.2; 29-SEP-2010 11:02:57; Bright; 40.5; 76; 27Gam Cas ; 2.30; 30000;occ; 81; 0;44866
6; 4594.5; 29-SEP-2010 11:28:49; Bright; 74.0; 17; 78Bet Gem ; 1.16; 4500;occ; 148; 0;44866
7; 5138.3; 29-SEP-2010 11:37:53; Dark ; 28.0; 8; 10Alp CMi ; 0.40; 6500;occ; 56; 0;44866
8; 5566.0; 29-SEP-2010 11:45:01; Dark ; 44.0; 132; 15Rho Pup ; 2.80; 6900;occ; 88; 0;44866
9; 5777.1; 29-SEP-2010 11:48:32; Dark ; 48.0; 88; 31Eta CMA ; 2.45; 20000;occ; 96; 0;44866
10; 5876.1; 29-SEP-2010 11:50:11; Dark ; 59.0; 23; 21Eps CMA ; 1.50; 26000;occ; 118; 0;44866
11; 5975.7; 29-SEP-2010 11:51:51; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;44866
12; 6103.8; 29-SEP-2010 11:53:59; Dark ; 42.0; 161; Tau Pup ; 2.93; 4500;occ; 84; 0;44867
13; 6188.0; 29-SEP-2010 11:55:23; Dark ; 45.0; 2; Alp Car ; -0.74; 7000;occ; 90; 0;44867
14; 6303.7; 29-SEP-2010 11:57:19; Dark ; 38.0; 108; Alp Col ; 2.65; 15200;occ; 76; 0;44867
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3; 2442.9; 29-SEP-2010 12:33:34; Bright; 40.5; 58; 21Alp And ; 2.07; 11000;occ; 81; 0;44867
4; 2678.7; 29-SEP-2010 12:37:29; Bright; 52.5; 53; 43Bet And ; 2.05; 3300;occ; 105; 0;44867
5; 2958.0; 29-SEP-2010 12:42:09; Bright; 37.5; 74; 11Bet Cas ; 2.27; 6600;occ; 75; 0;44867
6; 3041.8; 29-SEP-2010 12:43:33; Bright; 40.0; 76; 27Gam Cas ; 2.30; 30000;occ; 80; 0;44867
7; 4594.7; 29-SEP-2010 13:09:25; Bright; 58.5; 17; 78Bet Gem ; 1.16; 4500;occ; 117; 0;44867
8; 5139.2; 29-SEP-2010 13:18:30; Dark ; 28.0; 8; 10Alp CMi ; 0.40; 6500;occ; 56; 0;44867
9; 5567.0; 29-SEP-2010 13:25:38; Dark ; 43.0; 132; 15Rho Pup ; 2.80; 6900;occ; 86; 0;44867
10; 5778.2; 29-SEP-2010 13:29:09; Dark ; 48.0; 88; 31Eta CMA ; 2.45; 20000;occ; 96; 0;44867
11; 5877.3; 29-SEP-2010 13:30:48; Dark ; 52.5; 23; 21Eps CMA ; 1.50; 26000;occ; 105; 0;44867
12; 5976.4; 29-SEP-2010 13:32:27; Dark ; 59.0; 0; ; 0.00; 0;occ; 118; 0;44867
13; 6104.8; 29-SEP-2010 13:34:36; Dark ; 50.0; 161; Tau Pup ; 2.93; 4500;occ; 100; 0;44868
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8; 5567.9; 29-SEP-2010 15:06:15; Dark ; 45.5; 132; 15Rho Pup ; 2.80; 6900;occ; 91; 0;44868
9; 5779.2; 29-SEP-2010 15:09:46; Dark ; 45.5; 88; 31Eta CMA ; 2.45; 20000;occ; 91; 0;44868
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11; 5977.2; 29-SEP-2010 15:13:04; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;44868
12; 6105.5; 29-SEP-2010 15:15:12; Dark ; 49.5; 161; Tau Pup ; 2.93; 4500;occ; 99; 0;44869
13; 6189.5; 29-SEP-2010 15:16:36; Dark ; 45.0; 2; Alp Car ; -0.74; 7000;occ; 90; 0;44869
14; 6306.6; 29-SEP-2010 15:18:33; Dark ; 36.0; 108; Alp Col ; 2.65; 15200;occ; 72; 0;44869
15; 6933.7; 29-SEP-2010 15:29:00; Dark ; 50.0; 157; The1Eri ; 2.91; 9300;occ; 100; 0;44869
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2; 2190.4; 29-SEP-2010 15:50:33; Bright; 39.5; 140; 88Gam Peg ; 2.83; 26000;occ; 79; 0;44869
3; 2441.8; 29-SEP-2010 15:54:44; Bright; 41.0; 58; 21Alp And ; 2.07; 11000;occ; 82; 0;44869
4; 2677.0; 29-SEP-2010 15:58:40; Bright; 50.5; 53; 43Bet And ; 2.05; 3300;occ; 101; 0;44869
5; 2957.3; 29-SEP-2010 16:03:20; Bright; 40.0; 74; 11Bet Cas ; 2.27; 6600;occ; 80; 0;44869
6; 3041.0; 29-SEP-2010 16:04:44; Bright; 39.0; 76; 27Gam Cas ; 2.30; 30000;occ; 78; 0;44869
7; 4595.3; 29-SEP-2010 16:30:38; Bright; 61.5; 17; 78Bet Gem ; 1.16; 4500;occ; 123; 0;44869
8; 5568.8; 29-SEP-2010 16:46:51; Dark ; 46.5; 132; 15Rho Pup ; 2.80; 6900;occ; 93; 0;44869
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10; 5879.8; 29-SEP-2010 16:52:02; Dark ; 53.0; 23; 21Eps CMA ; 1.50; 26000;occ; 106; 0;44869
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13; 6308.3; 29-SEP-2010 16:59:11; Dark ; 33.0; 108; Alp Col ; 2.65; 15200;occ; 66; 0;44870
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4; 2676.3; 29-SEP-2010 17:39:15; Bright; 49.5; 53; 43Bet And ; 2.05; 3300;occ; 99; 0;44870
5; 2957.0; 29-SEP-2010 17:43:56; Bright; 39.5; 74; 11Bet Cas ; 2.27; 6600;occ; 79; 0;44870
6; 3040.6; 29-SEP-2010 17:45:19; Bright; 41.5; 76; 27Gam Cas ; 2.30; 30000;occ; 83; 0;44870
7; 4595.5; 29-SEP-2010 18:11:14; Bright; 59.0; 17; 78Bet Gem ; 1.16; 4500;occ; 118; 0;44870
8; 5569.5; 29-SEP-2010 18:27:28; Dark ; 48.0; 132; 15Rho Pup ; 2.80; 6900;occ; 96; 0;44870
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13; 6309.7; 29-SEP-2010 18:39:48; Dark ; 33.0; 108; Alp Col ; 2.65; 15200;occ; 66; 0;44871
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7; 4595.8; 29-SEP-2010 19:51:50; Bright; 60.0; 17; 78Bet Gem ; 1.16; 4500;occ; 120; 0;44871
8; 5570.1; 29-SEP-2010 20:08:05; Dark ; 46.5; 132; 15Rho Pup ; 2.80; 6900;occ; 93; 0;44871
9; 5782.2; 29-SEP-2010 20:11:37; Dark ; 46.5; 88; 31Eta CMA ; 2.45; 20000;occ; 93; 0;44871
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8; 2189.7; 29-SEP-2010 22:32:56; Bright; 40.5; 140; 88Gam Peg ; 2.83; 26000;occ; 81; 0;44873
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5; 157.2; 29-SEP-2010 23:39:39; Dark ; 56.5; 2; Alp Car ;-0.74; 7000;occ; 113; 0;44874
6; 278.2; 29-SEP-2010 23:41:40; Dark ; 28.0; 108; Alp Col ; 2.65; 15200;occ; 56; 0;44874
7; 901.7; 29-SEP-2010 23:52:04; Dark ; 48.5; 157; The1Eri ; 2.91; 9300;occ; 97; 0;44874
8; 1554.9; 30-SEP-2010 00:02:57; Dark ; 49.5; 52; 16Bet Cet ; 2.04; 4500;occ; 99; 0;44874
9; 2189.5; 30-SEP-2010 00:13:32; Bright; 41.0; 140; 88Gam Peg ; 2.83; 26000;occ; 82; 0;44874
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11; 2673.4; 30-SEP-2010 00:21:36; Bright; 52.0; 53; 43Bet And ; 2.05; 3300;occ; 104; 0;44874
12; 2955.9; 30-SEP-2010 00:26:18; Bright; 40.0; 74; 11Bet Cas ; 2.27; 6600;occ; 80; 0;44874
13; 3038.9; 30-SEP-2010 00:27:41; Bright; 40.5; 76; 27Gam Cas ; 2.30; 30000;occ; 81; 0;44874
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7; 1555.0; 30-SEP-2010 01:43:33; Dark ; 51.5; 52; 16Bet Cet ; 2.04; 4500;occ; 103; 0;44875
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19; 6317.0; 30-SEP-2010 03:02:55; Dark ; 26.0; 108; Alp Col ; 2.65; 15200;occ; 52; 0;44876
20; 6939.2; 30-SEP-2010 03:13:17; Dark ; 50.0; 157; The1Eri ; 2.91; 9300;occ; 100; 0;44876
21; 7591.1; 30-SEP-2010 03:24:09; Dark ; 49.0; 52; 16Bet Cet ; 2.04; 4500;occ; 98; 0;44876
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23; 8475.6; 30-SEP-2010 03:38:54; Bright; 39.5; 58; 21Alp And ; 2.07; 11000;occ; 79; 0;44876
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6; 5983.1; 30-SEP-2010 04:37:57; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;44876
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9; 6939.9; 30-SEP-2010 04:53:54; Dark ; 52.0; 157; The1Eri ; 2.91; 9300;occ; 104; 0;44877
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11; 8224.9; 30-SEP-2010 05:15:19; Bright; 40.5; 140; 88Gam Peg ; 2.83; 26000;occ; 81; 0;44877
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14; 8991.1; 30-SEP-2010 05:28:05; Bright; 39.0; 74; 11Bet Cas ; 2.27; 6600;occ; 78; 0;44877
15; 9074.1; 30-SEP-2010 05:29:28; Bright; 38.5; 76; 27Gam Cas ; 2.30; 30000;occ; 77; 0;44877
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6; 3033.8; 30-SEP-2010 20:34:47; Bright; 43.0; 76; 27Gam Cas ; 2.30; 30000;occ; 86; 0;44886
7; 4511.6; 30-SEP-2010 20:59:25; Bright; 46.0; 24; 66Alp Gem ; 1.58; 10200;occ; 92; 0;44886
8; 4599.6; 30-SEP-2010 21:00:53; Bright; 63.5; 17; 78Bet Gem ; 1.16; 4500;occ; 127; 0;44886
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14; 4600.1; 01-OCT-2010 00:22:05; Bright; 77.0; 17; 78Bet Gem ; 1.16; 4500;occ; 154; 0;44888
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3; 906.2; 30-SEP-2010 09:55:44; Dark ; 50.0; 157; The1Eri ; 2.91; 9300;occ; 100; 0;44880
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5; 3036.1; 30-SEP-2010 12:11:50; Bright; 41.0; 76; 27Gam Cas ; 2.30; 30000;occ; 82; 0;44881
6; 4510.9; 30-SEP-2010 12:36:24; Bright; 57.5; 24; 66Alp Gem ; 1.58; 10200;occ; 115; 0;44881
7; 4598.3; 30-SEP-2010 12:37:52; Bright; 59.0; 17; 78Bet Gem ; 1.16; 4500;occ; 118; 0;44881
8; 5152.8; 30-SEP-2010 12:47:06; Dark ; 68.5; 8; 10Alp CMi ; 0.40; 6500;occ; 137; 0;44881
9; 5577.9; 30-SEP-2010 12:54:12; Dark ; 46.5; 132; 15Rho Pup ; 2.80; 6900;occ; 93; 0;44881
10; 5808.4; 30-SEP-2010 12:58:02; Dark ; 42.5; 70; Zet Pup ; 2.25; 39000;occ; 85; 0;44881
11; 5906.8; 30-SEP-2010 12:59:40; Dark ; 49.5; 117; Pi Pup ; 2.71; 3800;occ; 99; 0;44881
12; 5986.6; 30-SEP-2010 13:01:00; Dark ; 59.0; 0; ; 0.00; 0;occ; 118; 0;44881
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15; 6943.5; 30-SEP-2010 13:16:57; Dark ; 48.5; 157; The1Eri ; 2.91; 9300;occ; 97; 0;44882
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3; 2437.9; 30-SEP-2010 13:42:27; Bright; 39.0; 58; 21Alp And ; 2.07; 11000;occ; 78; 0;44882
4; 2667.4; 30-SEP-2010 13:46:17; Bright; 50.0; 53; 43Bet And ; 2.05; 3300;occ; 100; 0;44882
5; 2953.9; 30-SEP-2010 13:51:03; Bright; 40.0; 74; 11Bet Cas ; 2.27; 6600;occ; 80; 0;44882
6; 3035.6; 30-SEP-2010 13:52:25; Bright; 40.5; 76; 27Gam Cas ; 2.30; 30000;occ; 81; 0;44882
7; 4511.0; 30-SEP-2010 14:17:00; Bright; 55.5; 24; 66Alp Gem ; 1.58; 10200;occ; 111; 0;44882
8; 4598.6; 30-SEP-2010 14:18:28; Bright; 69.5; 17; 78Bet Gem ; 1.16; 4500;occ; 139; 0;44882
9; 5153.8; 30-SEP-2010 14:27:43; Dark ; 62.0; 8; 10Alp CMi ; 0.40; 6500;occ; 124; 0;44882
10; 5578.9; 30-SEP-2010 14:34:48; Dark ; 44.0; 132; 15Rho Pup ; 2.80; 6900;occ; 88; 0;44882
11; 5823.8; 30-SEP-2010 14:38:53; Dark ; 67.0; 37; 25Del CMA ; 1.83; 5900;occ; 134; 0;44882
12; 5987.4; 30-SEP-2010 14:41:37; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;44882
13; 6199.8; 30-SEP-2010 14:45:09; Dark ; 44.5; 2; Alp Car ; -0.74; 7000;occ; 89; 0;44883
14; 6327.7; 30-SEP-2010 14:47:17; Dark ; 59.5; 108; Alp Col ; 2.65; 15200;occ; 119; 0;44883
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3; 2437.8; 30-SEP-2010 15:23:03; Bright; 40.0; 58; 21Alp And ; 2.07; 11000;occ; 80; 0;44883
4; 2666.8; 30-SEP-2010 15:26:52; Bright; 49.5; 53; 43Bet And ; 2.05; 3300;occ; 99; 0;44883
5; 2953.6; 30-SEP-2010 15:31:39; Bright; 40.0; 74; 11Bet Cas ; 2.27; 6600;occ; 80; 0;44883
6; 3035.4; 30-SEP-2010 15:33:01; Bright; 40.0; 76; 27Gam Cas ; 2.30; 30000;occ; 80; 0;44883
7; 4511.2; 30-SEP-2010 15:57:37; Bright; 58.0; 24; 66Alp Gem ; 1.58; 10200;occ; 116; 0;44883
8; 4598.8; 30-SEP-2010 15:59:04; Bright; 65.5; 17; 78Bet Gem ; 1.16; 4500;occ; 131; 0;44883
9; 5154.9; 30-SEP-2010 16:08:20; Dark ; 62.0; 8; 10Alp CMi ; 0.40; 6500;occ; 124; 0;44883
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11; 5825.2; 30-SEP-2010 16:19:31; Dark ; 66.0; 37; 25Del CMA ; 1.83; 5900;occ; 132; 0;44883
12; 5988.2; 30-SEP-2010 16:22:14; Dark ; 59.0; 0; ; 0.00; 0;occ; 118; 0;44883
13; 6200.8; 30-SEP-2010 16:25:46; Dark ; 44.5; 2; Alp Car ; -0.74; 7000;occ; 89; 0;44884
14; 6329.2; 30-SEP-2010 16:27:55; Dark ; 60.0; 108; Alp Col ; 2.65; 15200;occ; 120; 0;44884
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3; 2437.4; 30-SEP-2010 17:03:39; Bright; 41.5; 58; 21Alp And ; 2.07; 11000;occ; 83; 0;44884
4; 2666.0; 30-SEP-2010 17:07:27; Bright; 51.5; 53; 43Bet And ; 2.05; 3300;occ; 103; 0;44884
5; 2953.3; 30-SEP-2010 17:12:15; Bright; 39.0; 74; 11Bet Cas ; 2.27; 6600;occ; 78; 0;44884
6; 3034.9; 30-SEP-2010 17:13:36; Bright; 39.5; 76; 27Gam Cas ; 2.30; 30000;occ; 79; 0;44884
7; 4511.5; 30-SEP-2010 17:38:13; Bright; 53.0; 24; 66Alp Gem ; 1.58; 10200;occ; 106; 0;44884
8; 4599.2; 30-SEP-2010 17:39:41; Bright; 57.5; 17; 78Bet Gem ; 1.16; 4500;occ; 115; 0;44884
9; 5156.1; 30-SEP-2010 17:48:57; Dark ; 54.0; 8; 10Alp CMi ; 0.40; 6500;occ; 108; 0;44884
10; 5580.5; 30-SEP-2010 17:56:02; Dark ; 45.0; 132; 15Rho Pup ; 2.80; 6900;occ; 90; 0;44884
11; 5826.5; 30-SEP-2010 18:00:08; Dark ; 52.5; 37; 25Del CMA ; 1.83; 5900;occ; 105; 0;44884
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13; 6201.4; 30-SEP-2010 18:06:23; Dark ; 46.0; 2; Alp Car ; -0.74; 7000;occ; 92; 0;44885
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3; 2437.0; 30-SEP-2010 18:44:14; Bright; 39.0; 58; 21Alp And ; 2.07; 11000;occ; 78; 0;44885
4; 2665.2; 30-SEP-2010 18:48:03; Bright; 47.5; 53; 43Bet And ; 2.05; 3300;occ; 95; 0;44885
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8;	4599.5;	30-SEP-2010	19:20:17;	Bright;	62.5;	17;	78Bet Gem	;	1.16;	4500;occ;	125;	0;44885	
9;	5156.9;	30-SEP-2010	19:29:34;	Dark	;	54.0;	8;	10Alp CMi	;	0.40;	6500;occ;	108;	0;44885
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