

GOMOS Daily Report 28-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	01OCT2010 04:46:43
Data source version	GOMOS/5.01
Start time of products	28SEP2010 00:14:46
Stop time of products	28SEP2010 23:53:35
Store outputs in DB	Yes
Nb of level 1b prods	78
Nb of prods with errors	0

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

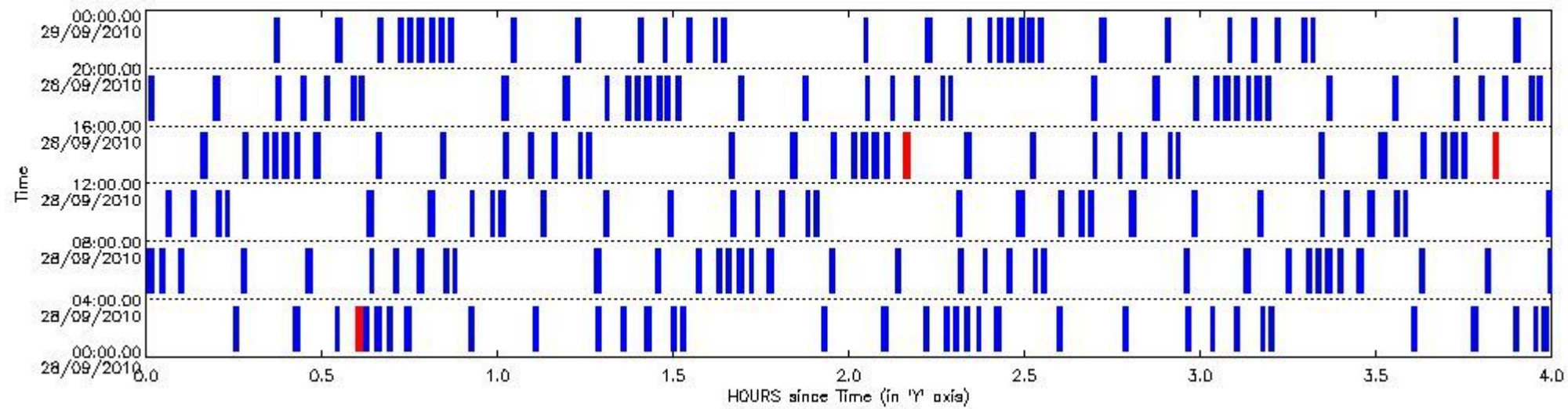
2.1 Level 0 products arrived in PCF (see template [here](#))

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
28-SEP-2010 00:35:48	31EtaCMa	88	44845
28-SEP-2010 14:09:23	AlpCol	108	44854
28-SEP-2010 15:50:00	AlpCol	108	44855

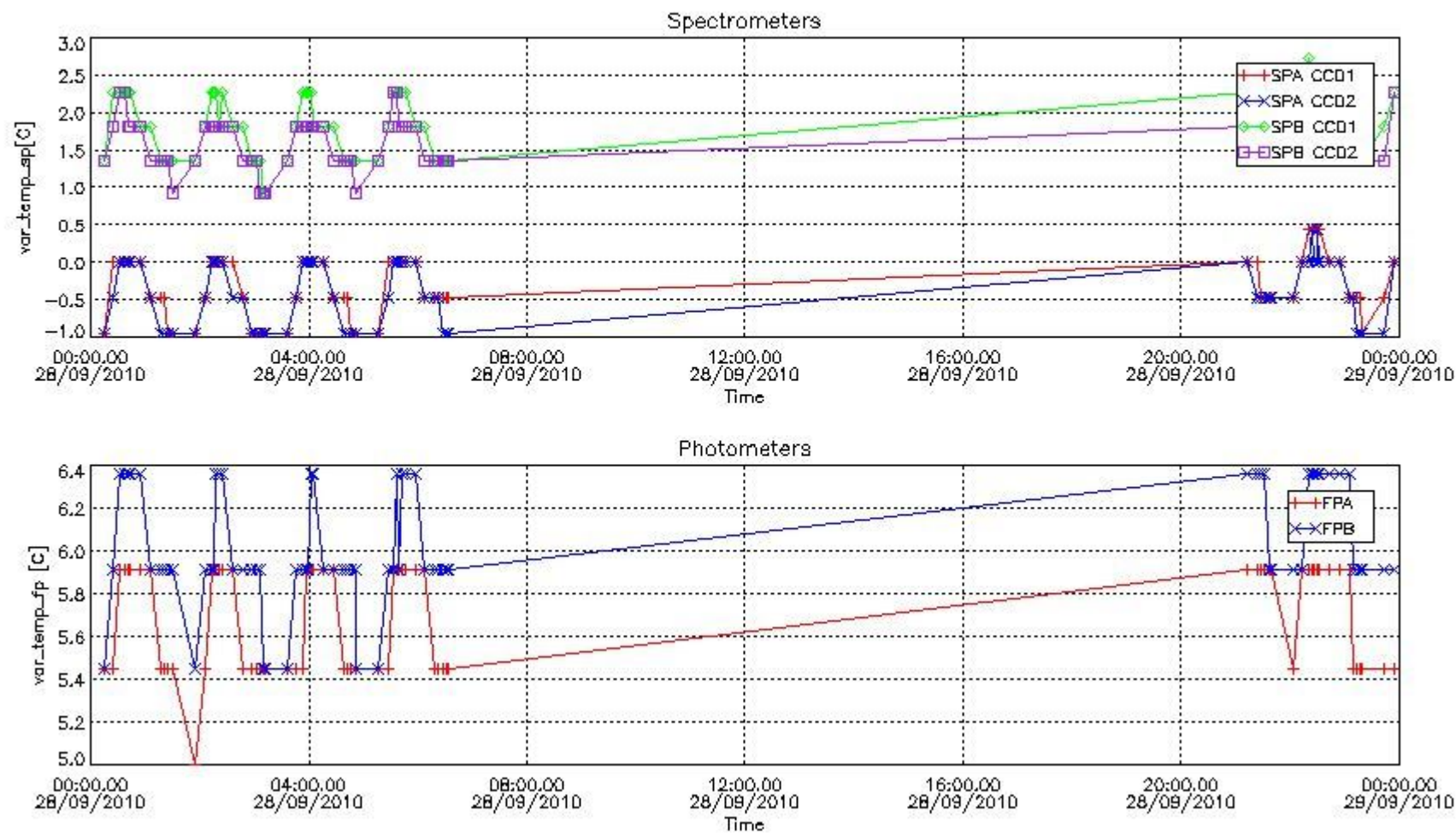
2.4 Summary of processed GOM_TRA_1P products

Nr	Filename	UTC Start time	Limb	Duration	Star Id	Star Name	Star Mag	Star Temp	Nb Meas	Orbit	Prod. error
1	GOM_TRA_1PNPDE20100928_001446_000000542093_00202_44845_6877.N1	28-SEP-2010 00:14:46	Bright	53.500	24	66Alp Gem	1.5800	10200.	107	44845	No
2	GOM_TRA_1PNPDE20100928_002459_000000692093_00202_44845_6878.N1	28-SEP-2010 00:24:59	Dark	69.000	8	10Alp CMi	0.40000	6500.0	138	44845	No
3	GOM_TRA_1PNPDE20100928_003211_000000472093_00202_44845_6892.N1	28-SEP-2010 00:32:11	Dark	47.000	132	15Rho Pup	2.8030	6900.0	94	44845	No
4	GOM_TRA_1PNPDE20100928_003712_000000512093_00202_44845_6893.N1	28-SEP-2010 00:37:12	Dark	50.500	23	21Eps CMa	1.5020	26000.	101	44845	No
5	GOM_TRA_1PNPDE20100928_004109_000000432093_00203_44846_6894.N1	28-SEP-2010 00:41:09	Dark	42.500	161	Tau Pup	2.9310	4500.0	85	44846	No
6	GOM_TRA_1PNPDE20100928_004413_000000572093_00203_44846_6895.N1	28-SEP-2010 00:44:13	Dark	57.000	108	Alp Col	2.6520	15200.	114	44846	No
7	GOM_TRA_1PNPDE20100928_005456_000000522093_00203_44846_6896.N1	28-SEP-2010 00:54:56	Straylight	51.500	157	The1Eri	2.9060	9300.0	103	44846	No
8	GOM_TRA_1PNPDE20100928_010607_000000502093_00203_44846_6897.N1	28-SEP-2010 01:06:07	Straylight	50.000	52	16Bet Cet	2.0370	4500.0	100	44846	No

9	GOM_TRA_1PNPDE20100928_011653_000000422093_00203_44846_6898.N1	28-SEP-2010 01:16:53	Bright	42.000	140	88Gam Peg	2.8340	26000.	84	44846	No
10	GOM_TRA_1PNPDE20100928_012106_000000422093_00203_44846_6899.N1	28-SEP-2010 01:21:06	Bright	41.500	58	21Alp And	2.0730	11000.	83	44846	No
11	GOM_TRA_1PNPDE20100928_012511_000000512093_00203_44846_6900.N1	28-SEP-2010 01:25:11	Bright	51.000	53	43Bet And	2.0480	3300.0	102	44846	No
12	GOM_TRA_1PNPDE20100928_012940_000000392093_00203_44846_6901.N1	28-SEP-2010 01:29:40	Bright	39.000	74	11Bet Cas	2.2680	6600.0	78	44846	No
13	GOM_TRA_1PNPDE20100928_013107_000000592093_00203_44846_6902.N1	28-SEP-2010 01:31:07	Bright	59.000	76	27Gam Cas	2.3000	30000.	118	44846	No
14	GOM_TRA_1PNPDE20100928_015522_000000532093_00203_44846_6903.N1	28-SEP-2010 01:55:22	Bright	53.000	24	66Alp Gem	1.5800	10200.	106	44846	No
15	GOM_TRA_1PNPDE20100928_020536_000000682093_00203_44846_6912.N1	28-SEP-2010 02:05:36	Dark	67.500	8	10Alp CMi	0.40000	6500.0	135	44846	No
16	GOM_TRA_1PNPDE20100928_021248_000000462093_00203_44846_6913.N1	28-SEP-2010 02:12:48	Dark	45.500	132	15Rho Pup	2.8030	6900.0	91	44846	No
17	GOM_TRA_1PNPDE20100928_021614_000000472093_00203_44846_6914.N1	28-SEP-2010 02:16:14	Dark	47.000	88	31Eta CMa	2.4480	20000.	94	44846	No
18	GOM_TRA_1PNPDE20100928_021749_000000512093_00203_44846_6915.N1	28-SEP-2010 02:17:49	Dark	50.500	23	21Eps CMa	1.5020	26000.	101	44846	No
19	GOM_TRA_1PNPDE20100928_022146_000000412093_00204_44847_6916.N1	28-SEP-2010 02:21:46	Dark	41.000	161	Tau Pup	2.9310	4500.0	82	44847	No
20	GOM_TRA_1PNPDE20100928_022450_000000562093_00204_44847_6917.N1	28-SEP-2010 02:24:50	Dark	56.000	108	Alp Col	2.6520	15200.	112	44847	No
21	GOM_TRA_1PNPDE20100928_023533_000000512093_00204_44847_6918.N1	28-SEP-2010 02:35:33	Straylight	51.000	157	The1Eri	2.9060	9300.0	102	44847	No
22	GOM_TRA_1PNPDE20100928_024644_000000532093_00204_44847_6919.N1	28-SEP-2010 02:46:44	Straylight	52.500	52	16Bet Cet	2.0370	4500.0	105	44847	No
23	GOM_TRA_1PNPDE20100928_025729_000000432093_00204_44847_6920.N1	28-SEP-2010 02:57:29	Bright	42.500	140	88Gam Peg	2.8340	26000.	85	44847	No
24	GOM_TRA_1PNPDE20100928_030142_000000432093_00204_44847_6921.N1	28-SEP-2010 03:01:42	Bright	42.500	58	21Alp And	2.0730	11000.	85	44847	No
25	GOM_TRA_1PNPDE20100928_030546_000000522093_00204_44847_6922.N1	28-SEP-2010 03:05:46	Bright	52.000	53	43Bet And	2.0480	3300.0	104	44847	No
26	GOM_TRA_1PNPDE20100928_031016_000000372093_00204_44847_6923.N1	28-SEP-2010 03:10:16	Bright	37.000	74	11Bet Cas	2.2680	6600.0	74	44847	No
27	GOM_TRA_1PNPDE20100928_031143_000000422093_00204_44847_6924.N1	28-SEP-2010 03:11:43	Bright	41.500	76	27Gam Cas	2.3000	30000.	83	44847	No
28	GOM_TRA_1PNPDE20100928_033558_000000532093_00204_44847_6937.N1	28-SEP-2010 03:35:58	Bright	53.000	24	66Alp Gem	1.5800	10200.	106	44847	No
29	GOM_TRA_1PNPDE20100928_034613_000000692093_00204_44847_6938.N1	28-SEP-2010 03:46:13	Dark	68.500	8	10Alp CMi	0.40000	6500.0	137	44847	No
30	GOM_TRA_1PNPDE20100928_035324_000000482093_00204_44847_6939.N1	28-SEP-2010 03:53:24	Dark	47.500	132	15Rho Pup	2.8030	6900.0	95	44847	No
31	GOM_TRA_1PNPDE20100928_035650_000000472093_00204_44847_6940.N1	28-SEP-2010 03:56:50	Dark	46.500	88	31Eta CMa	2.4480	20000.	93	44847	No
32	GOM_TRA_1PNPDE20100928_035826_000000542093_00204_44847_6941.N1	28-SEP-2010 03:58:26	Dark	54.000	23	21Eps CMa	1.5020	26000.	108	44847	No
33	GOM_TRA_1PNPDE20100928_040223_000000442093_00205_44848_6942.N1	28-SEP-2010 04:02:23	Dark	44.000	161	Tau Pup	2.9310	4500.0	88	44848	No
34	GOM_TRA_1PNPDE20100928_040528_000000572093_00205_44848_6943.N1	28-SEP-2010 04:05:28	Dark	56.500	108	Alp Col	2.6520	15200.	113	44848	No
35	GOM_TRA_1PNPDE20100928_041610_000000502093_00205_44848_6944.N1	28-SEP-2010 04:16:10	Straylight	50.000	157	The1Eri	2.9060	9300.0	100	44848	No
36	GOM_TRA_1PNPDE20100928_042720_000000522093_00205_44848_6945.N1	28-SEP-2010 04:27:20	Straylight	51.500	52	16Bet Cet	2.0370	4500.0	103	44848	No
37	GOM_TRA_1PNPDE20100928_043805_000000412093_00205_44848_6946.N1	28-SEP-2010 04:38:05	Bright	41.000	140	88Gam Peg	2.8340	26000.	82	44848	No
38	GOM_TRA_1PNPDE20100928_044218_000000412093_00205_44848_6947.N1	28-SEP-2010 04:42:18	Bright	40.500	58	21Alp And	2.0730	11000.	81	44848	No
39	GOM_TRA_1PNPDE20100928_044622_000000532093_00205_44848_6948.N1	28-SEP-2010 04:46:22	Bright	52.500	53	43Bet And	2.0480	3300.0	105	44848	No
40	GOM_TRA_1PNPDE20100928_045052_000000402093_00205_44848_6949.N1	28-SEP-2010 04:50:52	Bright	39.500	74	11Bet Cas	2.2680	6600.0	79	44848	No
41	GOM_TRA_1PNPDE20100928_045218_000000422093_00205_44848_6950.N1	28-SEP-2010 04:52:18	Bright	42.000	76	27Gam Cas	2.3000	30000.	84	44848	No
42	GOM_TRA_1PNPDE20100928_051634_000000542093_00205_44848_6968.N1	28-SEP-2010 05:16:34	Bright	53.500	24	66Alp Gem	1.5800	10200.	107	44848	No
43	GOM_TRA_1PNPDE20100928_052650_000000622093_00205_44848_6969.N1	28-SEP-2010 05:26:50	Dark	62.000	8	10Alp CMi	0.40000	6500.0	124	44848	No
44	GOM_TRA_1PNPDE20100928_053401_000000472093_00205_44848_6970.N1	28-SEP-2010 05:34:01	Dark	47.000	132	15Rho Pup	2.8030	6900.0	94	44848	No
45	GOM_TRA_1PNPDE20100928_053728_000000452093_00205_44848_6971.N1	28-SEP-2010 05:37:28	Dark	44.500	88	31Eta CMa	2.4480	20000.	89	44848	No
46	GOM_TRA_1PNPDE20100928_053903_000000512093_00205_44848_6972.N1	28-SEP-2010 05:39:03	Dark	50.500	23	21Eps CMa	1.5020	26000.	101	44848	No
47	GOM_TRA_1PNPDE20100928_054259_000000412093_00206_44849_6973.N1	28-SEP-2010 05:42:59	Dark	40.500	161	Tau Pup	2.9310	4500.0	81	44849	No
48	GOM_TRA_1PNPDE20100928_054605_000000572093_00206_44849_6974.N1	28-SEP-2010 05:46:05	Dark	57.000	108	Alp Col	2.6520	15200.	114	44849	No
49	GOM_TRA_1PNPDE20100928_055647_000000482093_00206_44849_6975.N1	28-SEP-2010 05:56:47	Straylight	48.000	157	The1Eri	2.9060	9300.0	96	44849	No
50	GOM_TRA_1PNPDE20100928_060756_000000502093_00206_44849_6976.N1	28-SEP-2010 06:07:56	Straylight	49.500	52	16Bet Cet	2.0370	4500.0	99	44849	No
51	GOM_TRA_1PNPDE20100928_061840_000000412093_00206_44849_6977.N1	28-SEP-2010 06:18:40	Bright	41.000	140	88Gam Peg	2.8340	26000.	82	44849	No
52	GOM_TRA_1PNPDE20100928_062253_000000402093_00206_44849_6978.N1	28-SEP-2010 06:22:53	Bright	39.500	58	21Alp And	2.0730	11000.	79	44849	No
53	GOM_TRA_1PNPDE20100928_062657_000000522093_00206_44849_6979.N1	28-SEP-2010 06:26:57	Bright	51.500	53	43Bet And	2.0480	3300.0	103	44849	No
54	GOM_TRA_1PNPDE20100928_063127_000000392093_00206_44849_6980.N1	28-SEP-2010 06:31:27	Bright	39.000	74	11Bet Cas	2.2680	6600.0	78	44849	No
55	GOM_TRA_1PNPDE20100928_063254_000000422093_00206_44849_6981.N1	28-SEP-2010 06:32:54	Bright	42.000	76	27Gam Cas	2.3000	30000.	84	44849	No
56	GOM_TRA_1PNPDE20100928_211320_000000472093_00215_44858_7024.N1	28-SEP-2010 21:13:20	Straylight	47.000	52	16Bet Cet	2.0370	4500.0	94	44858	No
57	GOM_TRA_1PNPDE20100928_212401_000000412093_00215_44858_7025.N1	28-SEP-2010 21:24:01	Bright	40.500	140	88Gam Peg	2.8340	26000.	81	44858	No
58	GOM_TRA_1PNPDE20100928_212813_000000422093_00215_44858_7026.N1	28-SEP-2010 21:28:13	Bright	42.000	58	21Alp And	2.0730	11000.	84	44858	No
59	GOM_TRA_1PNPDE20100928_213213_000000482093_00215_44858_7027.N1	28-SEP-2010 21:32:13	Bright	48.000	53	43Bet And	2.0480	3300.0	96	44858	No
60	GOM_TRA_1PNPDE20100928_213648_000000412093_00215_44858_7028.N1	28-SEP-2010 21:36:48	Bright	40.500	74	11Bet Cas	2.2680	6600.0	81	44858	No
61	GOM_TRA_1PNPDE20100928_213813_000000412093_00215_44858_7029.N1	28-SEP-2010 21:38:13	Bright	41.000	76	27Gam Cas	2.3000	30000.	82	44858	No
62	GOM_TRA_1PNPDE20100928_220235_000000402093_00215_44858_7030.N1	28-SEP-2010 22:02:35	Bright	40.000	24	66Alp Gem	1.5800	10200.	80	44858	No
63	GOM_TRA_1PNPDE20100928_221258_000000612093_00215_44858_7031.N1	28-SEP-2010 22:12:58	Dark	60.500	8	10Alp CMi	0.40000	6500.0	121	44858	No
64	GOM_TRA_1PNPDE20100928_222007_000000422093_00215_44858_7379.N1	28-SEP-2010 22:20:07	Dark	41.500	132	15Rho Pup	2.8030	6900.0	83	44858	No
65	GOM_TRA_1PNPDE20100928_222337_000000492093_00215_44858_7380.N1	28-SEP-2010 22:23:37	Dark	48.500	88	31Eta CMa	2.4480	20000.	97	44858	No
66	GOM_TRA_1PNPDE20100928_222514_000000542093_00215_44858_7381.N1	28-SEP-2010 22:25:14	Dark	53.500	23	21Eps CMa	1.5020	26000.	107	44858	No
67	GOM_TRA_1PNPDE20100928_222906_000000422093_00216_44859_7382.N1	28-SEP-2010 22:29:06	Dark	42.000	161	Tau Pup	2.9310	4500.0	84	44859	No

68	GOM_TRA_1PNPDE20100928_223030_000000552093_00216_44859_7383.N1	28-SEP-2010 22:30:30	Dark	55.000	2	Alp Car	-0.73600	7000.0	110	44859	No
69	GOM_TRA_1PNPDE20100928_223219_000000482093_00216_44859_7384.N1	28-SEP-2010 22:32:19	Dark	48.000	108	Alp Col	2.6520	15200.	96	44859	No
70	GOM_TRA_1PNPDE20100928_224254_000000502093_00216_44859_7385.N1	28-SEP-2010 22:42:54	Straylight	50.000	157	The1Eri	2.9060	9300.0	100	44859	No
71	GOM_TRA_1PNPDE20100928_225356_000000502093_00216_44859_7386.N1	28-SEP-2010 22:53:56	Straylight	49.500	52	16Bet Cet	2.0370	4500.0	99	44859	No
72	GOM_TRA_1PNPDE20100928_230437_000000412093_00216_44859_7387.N1	28-SEP-2010 23:04:37	Bright	41.000	140	88Gam Peg	2.8340	26000.	82	44859	No
73	GOM_TRA_1PNPDE20100928_230849_000000412093_00216_44859_7388.N1	28-SEP-2010 23:08:49	Bright	40.500	58	21Alp And	2.0730	11000.	81	44859	No
74	GOM_TRA_1PNPDE20100928_231248_000000472093_00216_44859_7389.N1	28-SEP-2010 23:12:48	Bright	47.000	53	43Bet And	2.0480	3300.0	94	44859	No
75	GOM_TRA_1PNPDE20100928_231724_000000402093_00216_44859_7390.N1	28-SEP-2010 23:17:24	Bright	39.500	74	11Bet Cas	2.2680	6600.0	79	44859	No
76	GOM_TRA_1PNPDE20100928_231849_000000412093_00216_44859_7391.N1	28-SEP-2010 23:18:49	Bright	41.000	76	27Gam Cas	2.3000	30000.	82	44859	No
77	GOM_TRA_1PNPDE20100928_234311_000000402093_00216_44859_7392.N1	28-SEP-2010 23:43:11	Bright	40.000	24	66Alp Gem	1.5800	10200.	80	44859	No
78	GOM_TRA_1PNPDE20100928_235335_000000612093_00216_44859_7393.N1	28-SEP-2010 23:53:35	Dark	60.500	8	10Alp CMi	0.40000	6500.0	121	44859	No

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



4. Overview of dark signal processing per product

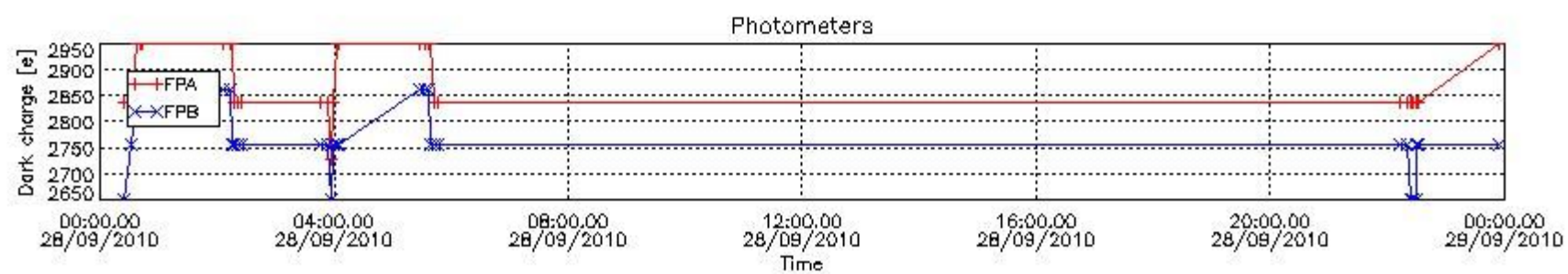
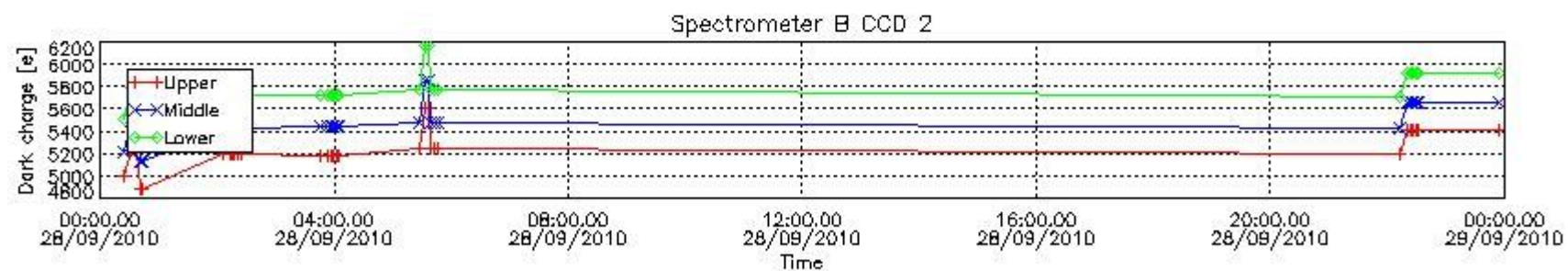
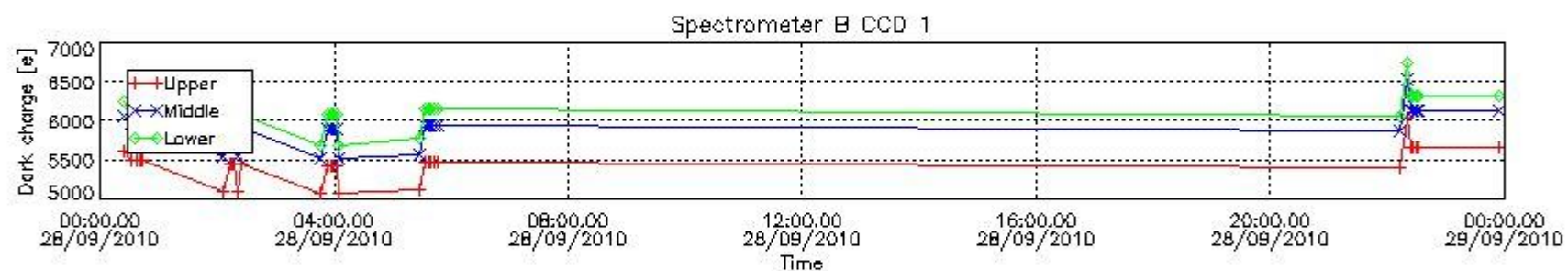
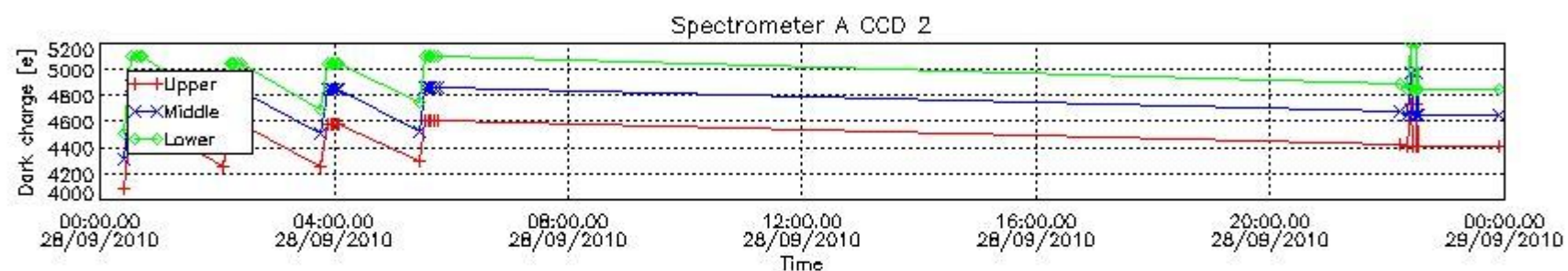
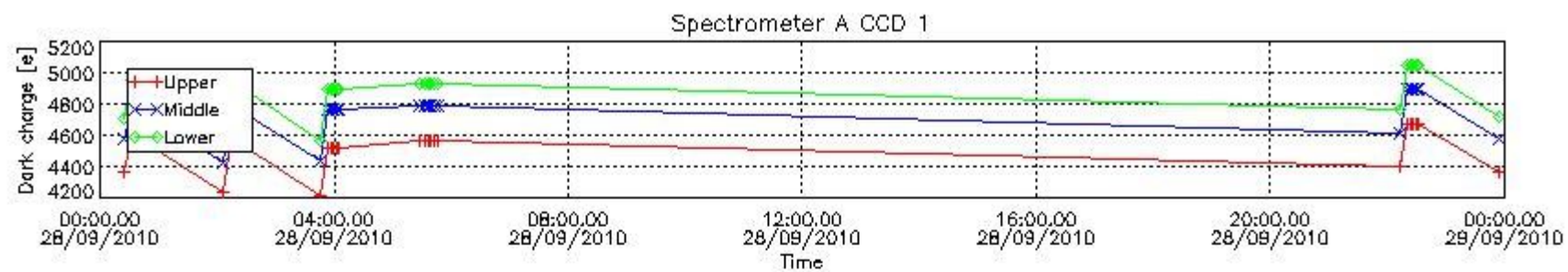
The Dark Charge (DC) is a temperature-dependant signal added to the useful measurements and it is therefore subtracted from them during the processing. There are two phenomena that produce a continuous increase of the DC: the "hot pixels" (a pixel is "hot" when its DC exceeds by a significant amount 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_1PNPDE20100928_211320_000000472093_00215_44858_7024.N1	DC map used
GOM_TRA_1PNPDE20100928_212401_000000412093_00215_44858_7025.N1	DC map used
GOM_TRA_1PNPDE20100928_212813_000000422093_00215_44858_7026.N1	DC map used
GOM_TRA_1PNPDE20100928_213213_000000482093_00215_44858_7027.N1	DC map used
GOM_TRA_1PNPDE20100928_213648_000000412093_00215_44858_7028.N1	DC map used
GOM_TRA_1PNPDE20100928_213813_000000412093_00215_44858_7029.N1	DC map used
GOM_TRA_1PNPDE20100928_220235_000000402093_00215_44858_7030.N1	DC map used
GOM_TRA_1PNPDE20100928_221258_000000612093_00215_44858_7031.N1	DC map used

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



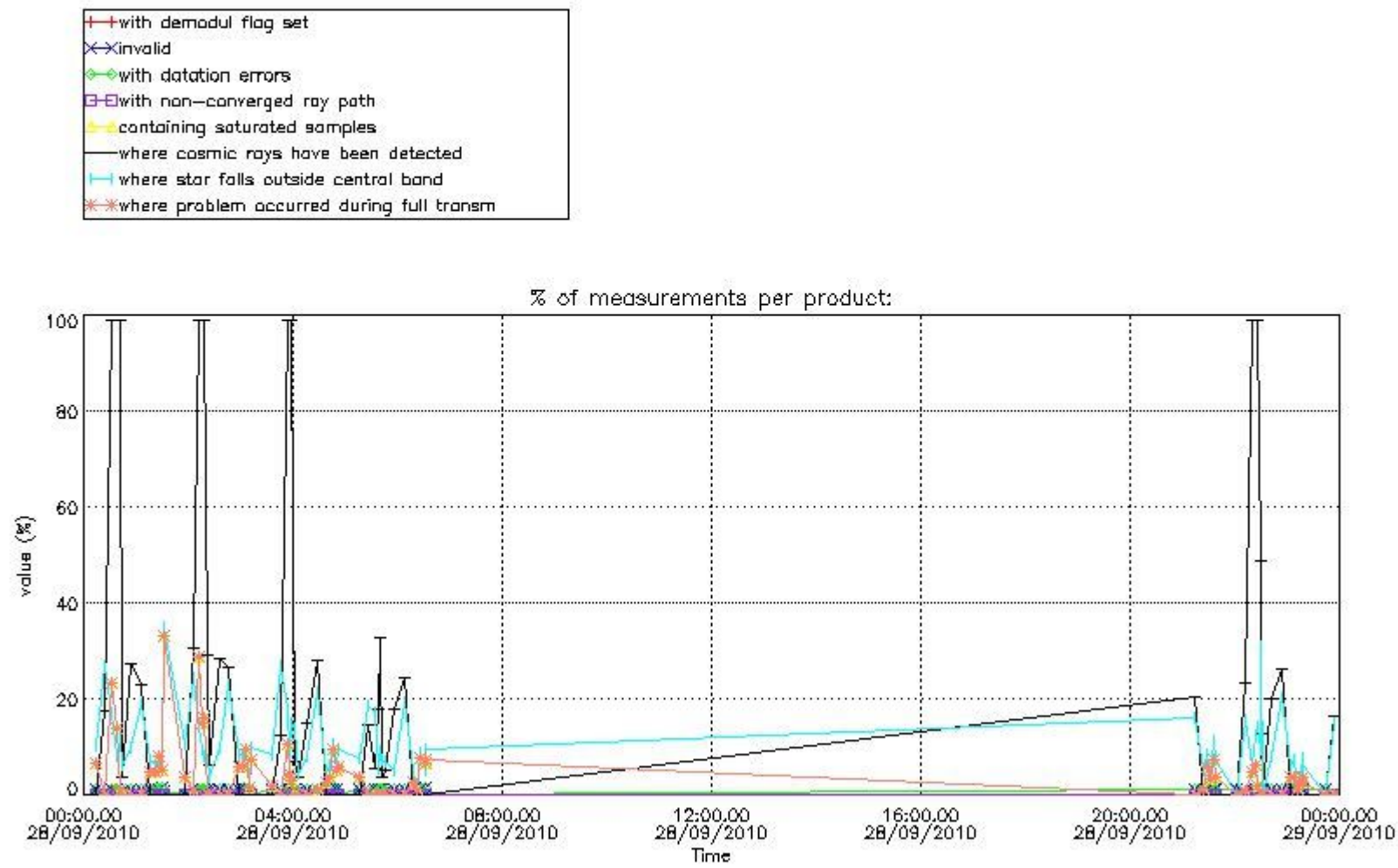
5. Demodulation flag and quality information monitoring

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.

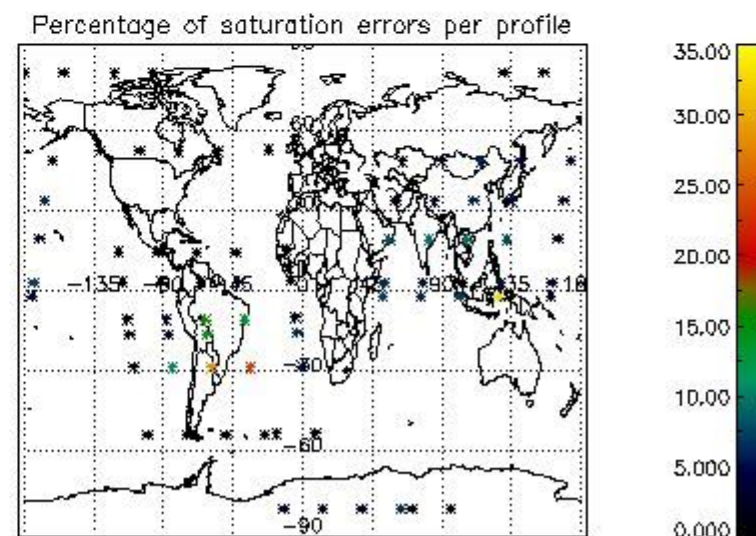
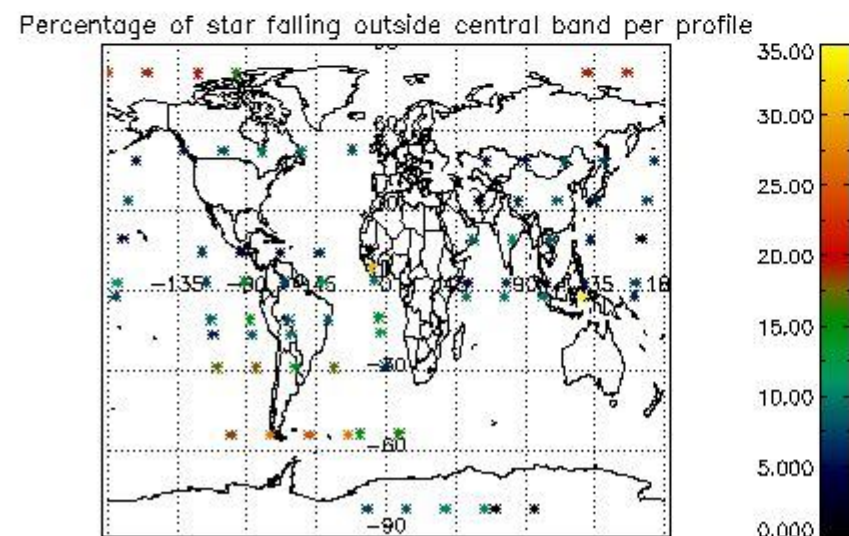
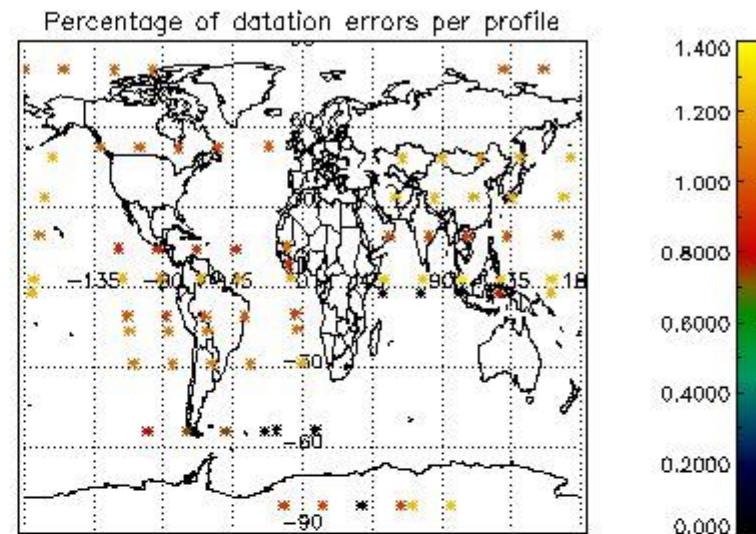
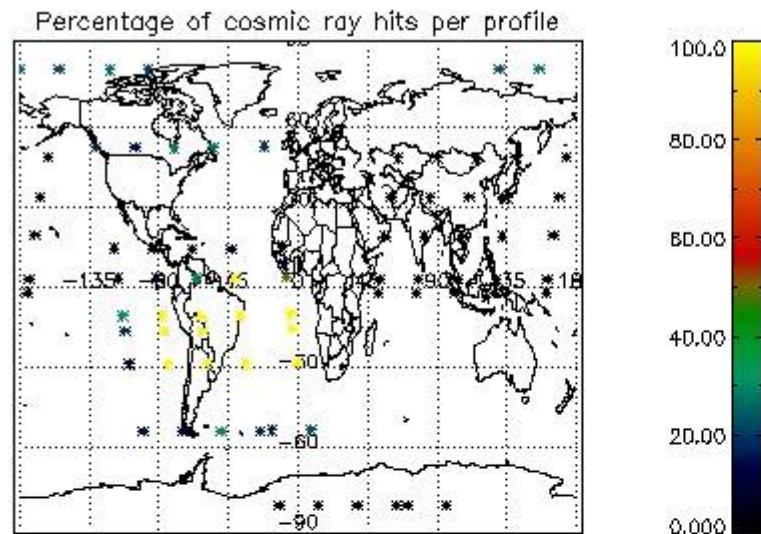
5.1 Percentage of products during reporting period with:

At least one measurement with demodulation flag set:	47.4359 %
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)



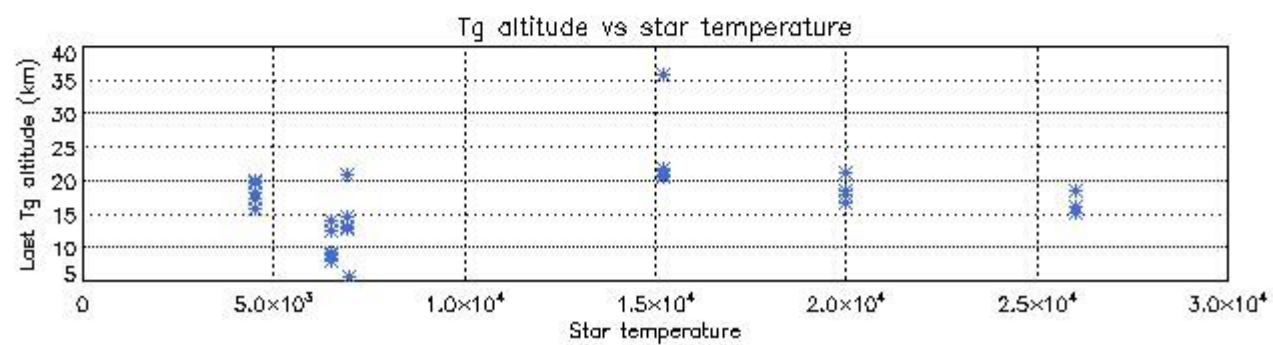
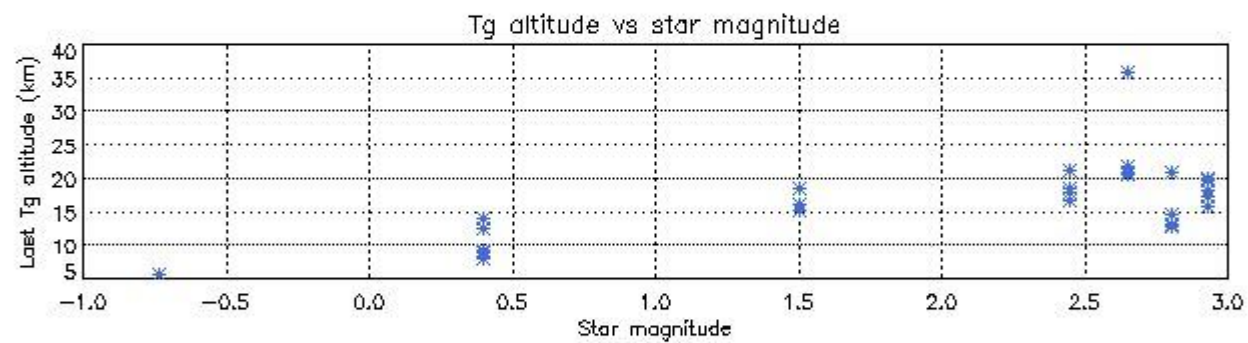
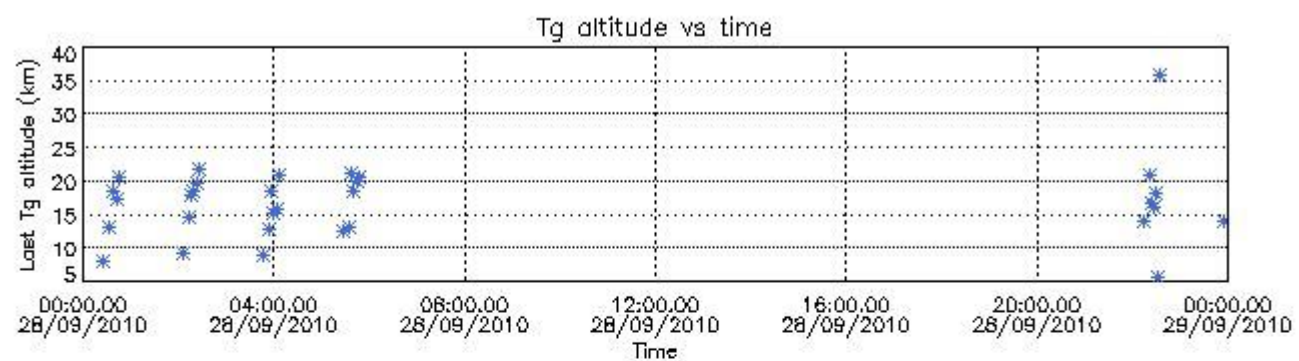
6. Statistics and plot of tangent altitude of the last measurement (DARK & BRIGHT products without errors)

6.1 Statistics on tangent altitude lost:

Statistics	DARK	BRIGHT	TWILIGHT
Mean:	16.671	21.122	NaN
St. deviation:	5.4893	6.3488	NaN
Maximum:	35.665	43.129	NaN
Minimum:	5.4727	3.4551	NaN
Number of data:	31.000	36.000	NaN

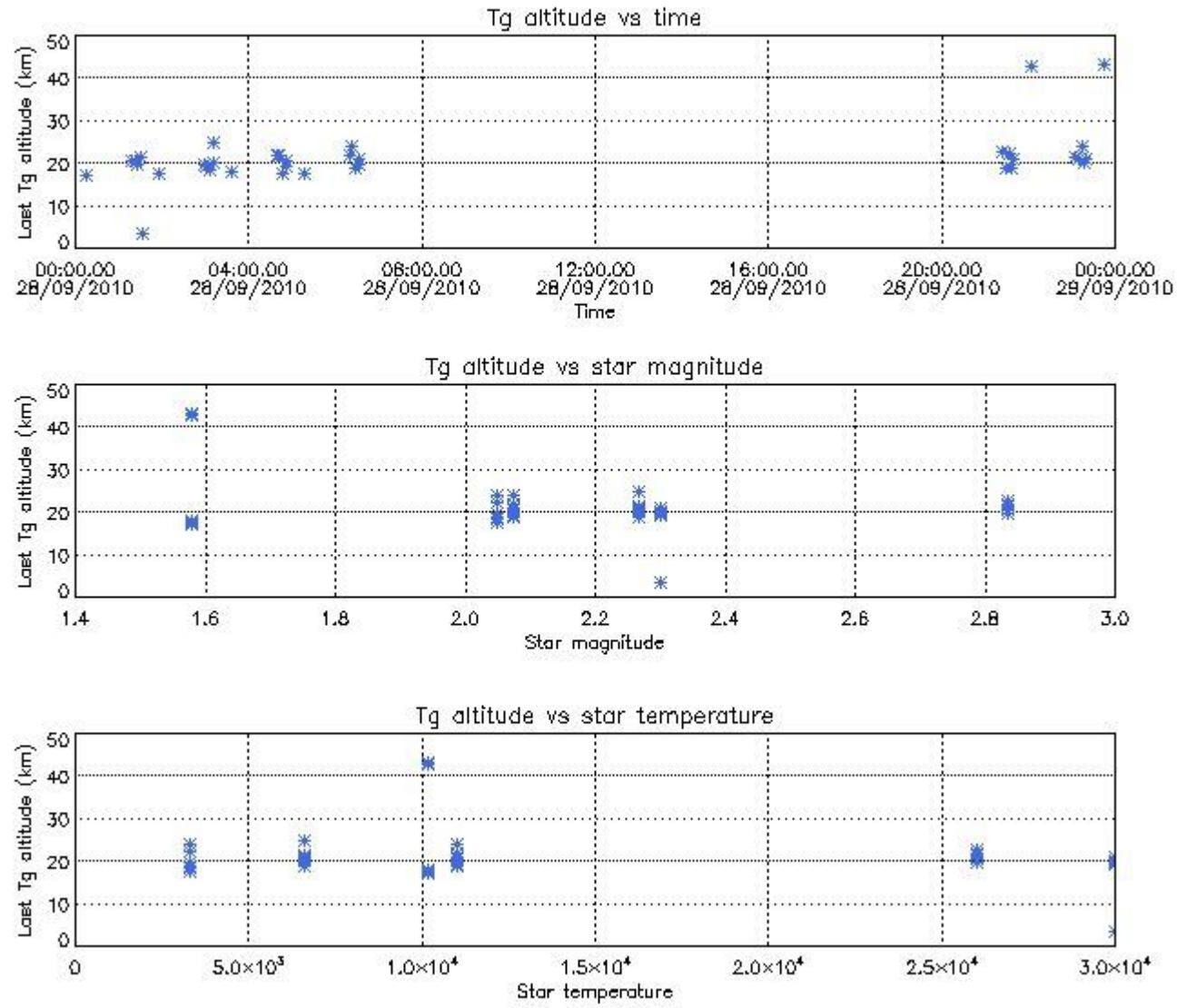
6.2 Plot for DARK limb products

Tangent altitude at which the star is lost



6.3 Plot for BRIGHT limb products

Tangent altitude at which the star is lost

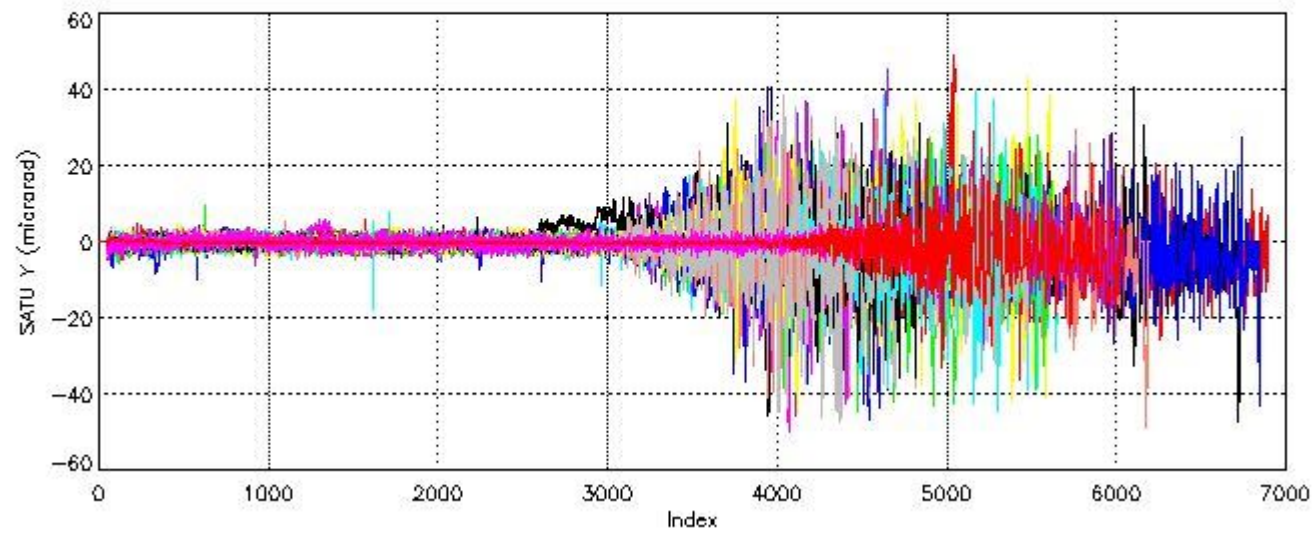
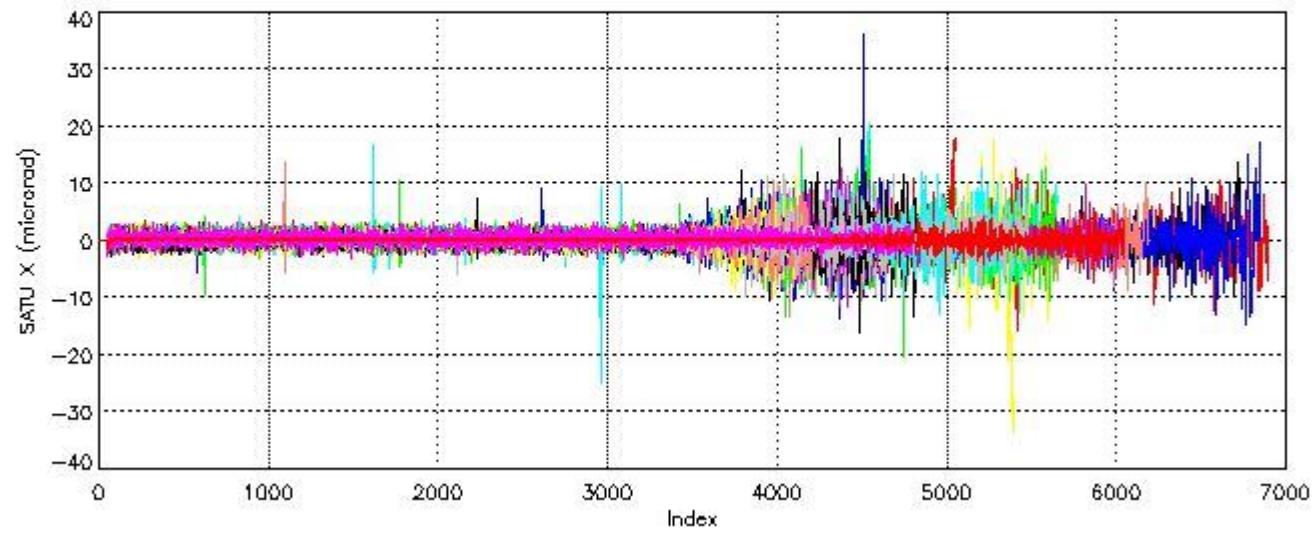


7. Star Acquisition and Tracking Unit (SATU)

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:	0.21239	-0.20393	0.21354	-0.23658
St. deviation:	0.59872	0.88051	0.77097	1.0370
Maximum:	4.1000	9.6000	5.7000	7.1000
Minimum:	-9.4000	-10.000	-5.5000	-7.4000

Number of data:	35000.	35000.	38050.	38050.
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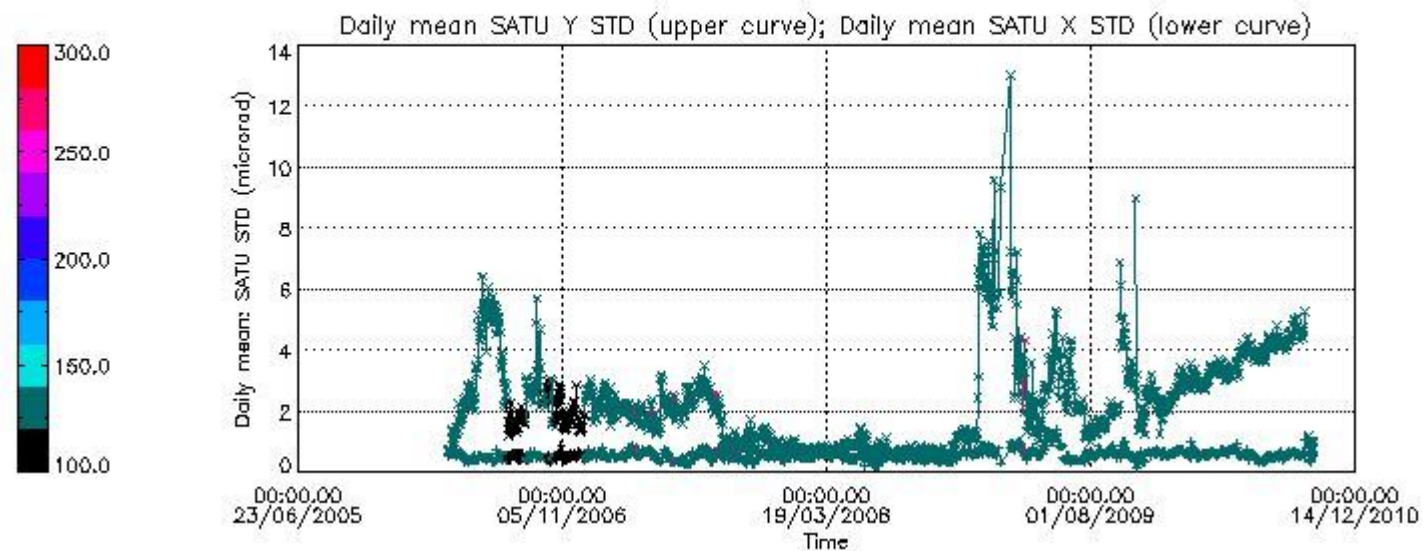
7.2.2 Trend of daily SATU NEA St. deviation since 1st April 2006 (dark limb)

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

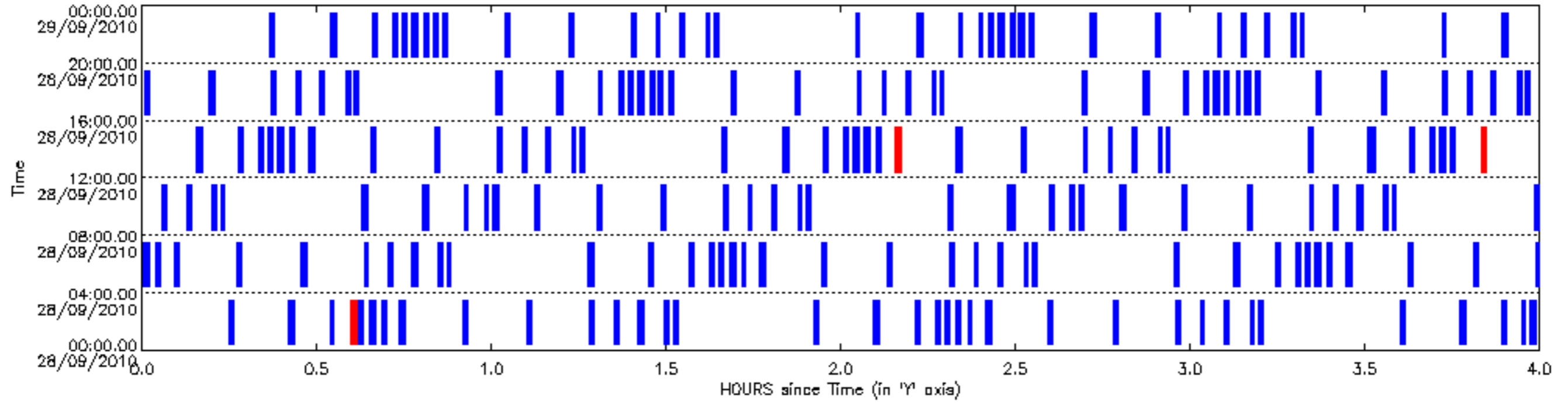
Lower curve: STD of SATU X axis

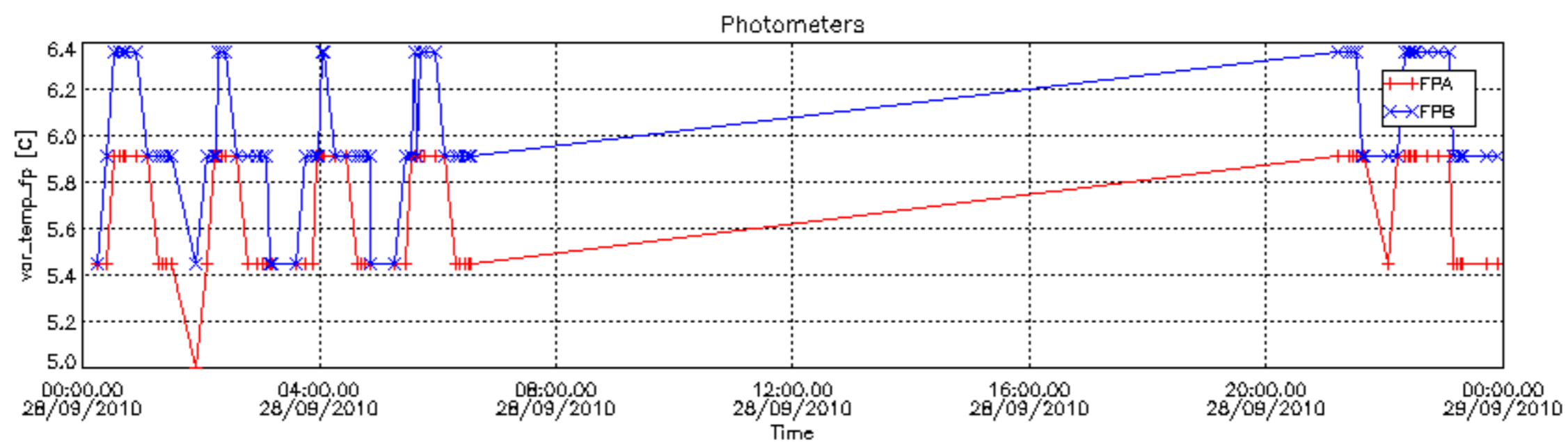
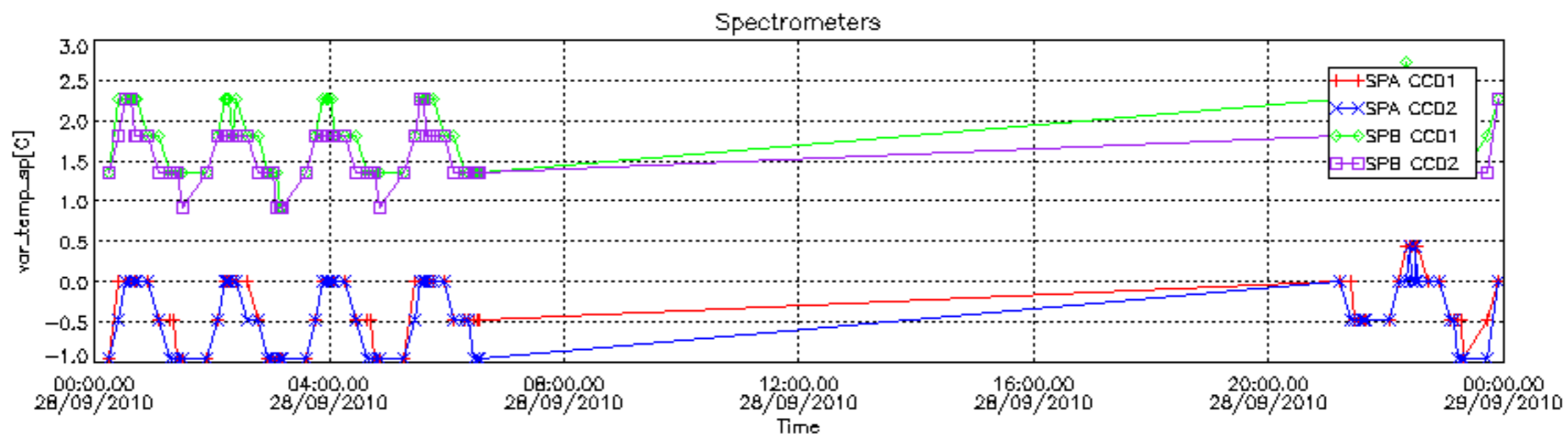


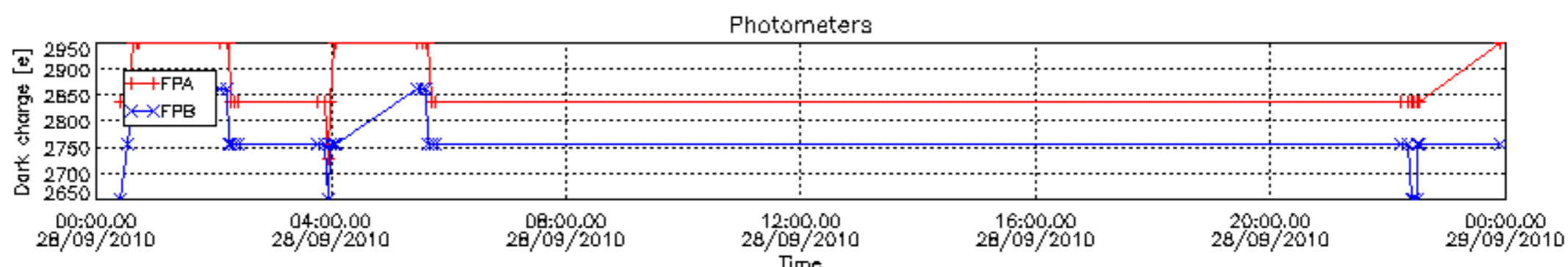
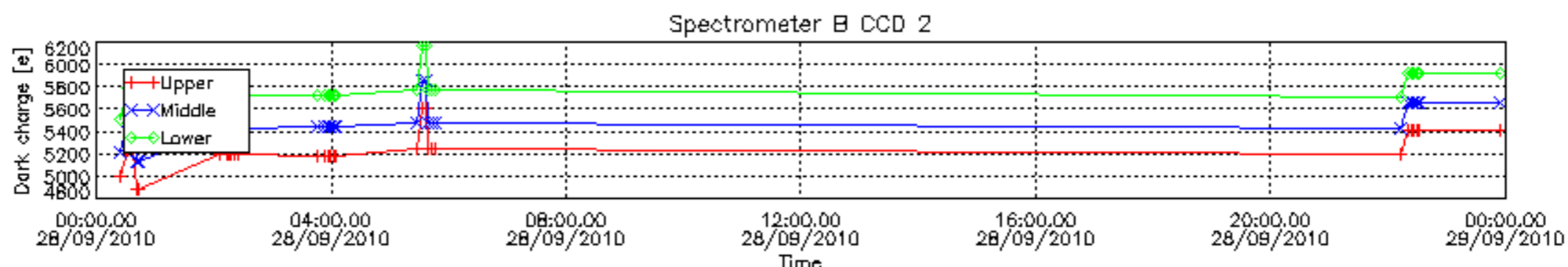
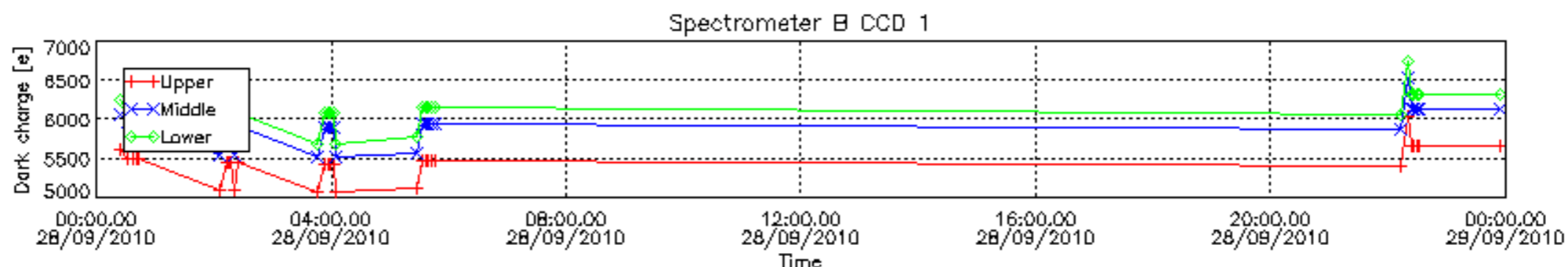
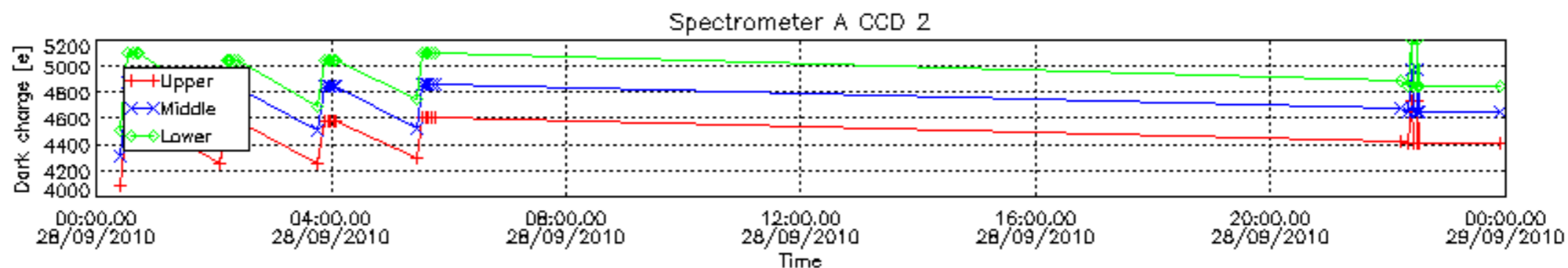
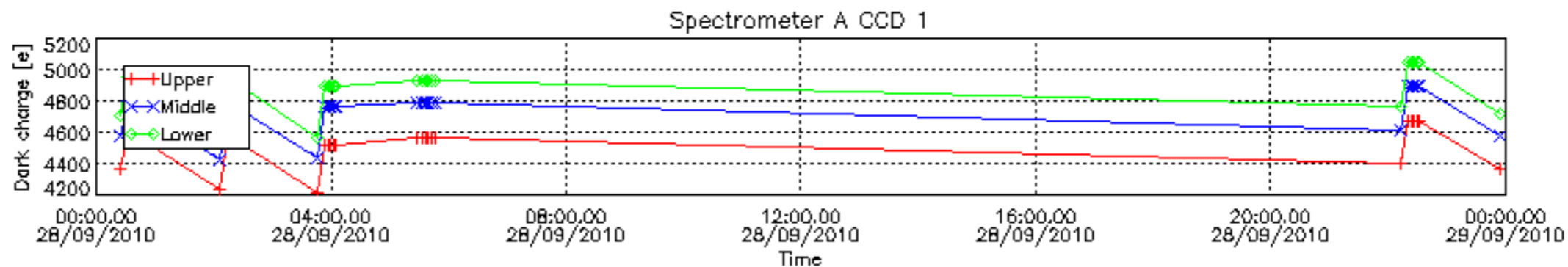
8. Auxiliary Data Files used for the production reported in section 2.4

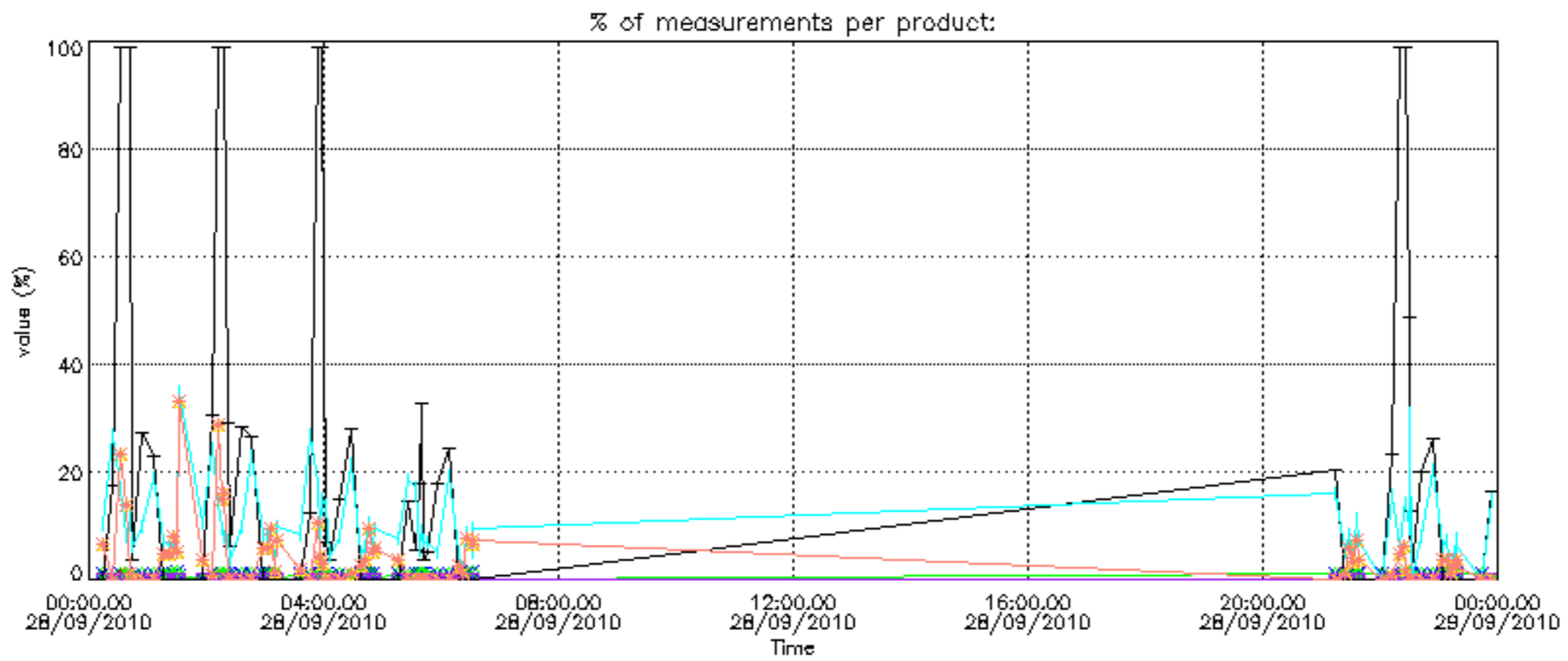
The number reported in the third column indicates since which file (see list in section 2.4) the corresponding auxiliary file has been used. The fourth column is the date of those product files.

Type	Auxiliary Filename	Used since product	Used since product date
INST_PHYS_CHARACTERISTICS	GOM_INS_AXVIEC20091111_143220_20030716_120000_20500101_000000	1	28-SEP-2010 00:14:46
CALIBRATION_DATABASE	GOM_CAL_AXVIEC20100923_133008_20100922_000000_20500101_000000	1	28-SEP-2010 00:14:46
LEVEL-1B_PROC_CONFIG	GOM_PR1_AXVIEC20091111_145255_20020301_000000_20500101_000000	1	28-SEP-2010 00:14:46
STAR_CATALOGUE	GOM_CAT_AXVIEC20020121_161009_20020101_000000_20200101_000000	1	28-SEP-2010 00:14:46
STELLAR_SPECTRA_DATABANK	GOM_STS_AXVIEC20091111_151504_20020101_160000_20500101_000000	1	28-SEP-2010 00:14:46
ECMWF_FILE	AUX_ECF_AXNECM20100927_054119_20100927_210000_20100928_090000	1	28-SEP-2010 00:14:46
ECMWF_FILE	AUX_ECF_AXNECM20100927_172127_20100928_030000_20100928_150000	28	28-SEP-2010 03:35:58
ECMWF_FILE	AUX_ECA_AXNECM20100928_052112_20100927_210000_20100928_090000	42	28-SEP-2010 05:16:34
ECMWF_FILE	AUX_ECA_AXNECM20100929_053614_20100928_210000_20100929_090000	56	28-SEP-2010 21:13:20
OPTIONAL_ECMWF_FILE	MISSING	1	28-SEP-2010 00:14:46
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20100927_224255_000060572093_00201_44844_1150.N1	1	28-SEP-2010 00:14:46
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20100928_002352_000057382093_00202_44845_1151.N1	3	28-SEP-2010 00:32:11
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20100928_015930_000044632093_00203_44846_1152.N1	15	28-SEP-2010 02:05:36
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20100928_031912_000057382093_00204_44847_1153.N1	28	28-SEP-2010 03:35:58
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20100928_050009_000057382093_00205_44848_1154.N1	42	28-SEP-2010 05:16:34
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20100928_210150_000038252093_00215_44858_1155.N1	56	28-SEP-2010 21:13:20
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20100928_221054_000060572093_00215_44858_1156.N1	64	28-SEP-2010 22:20:07

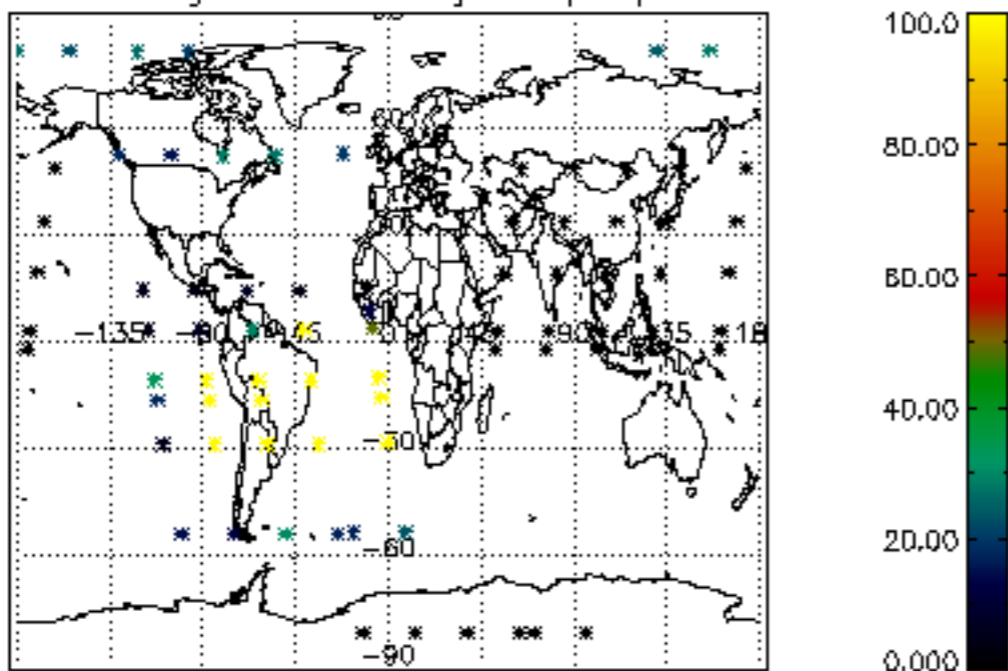




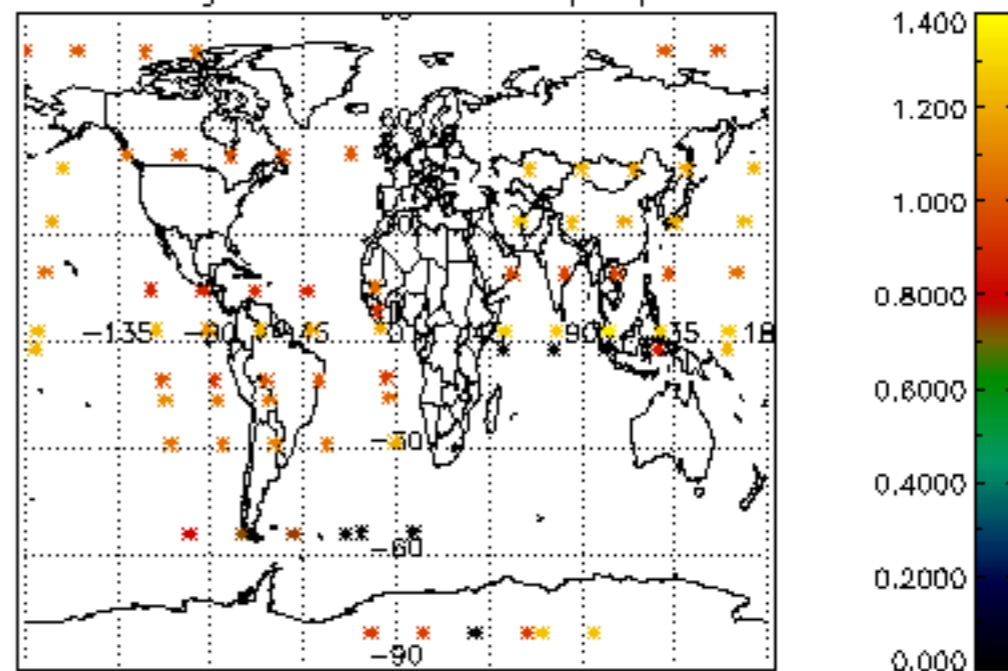




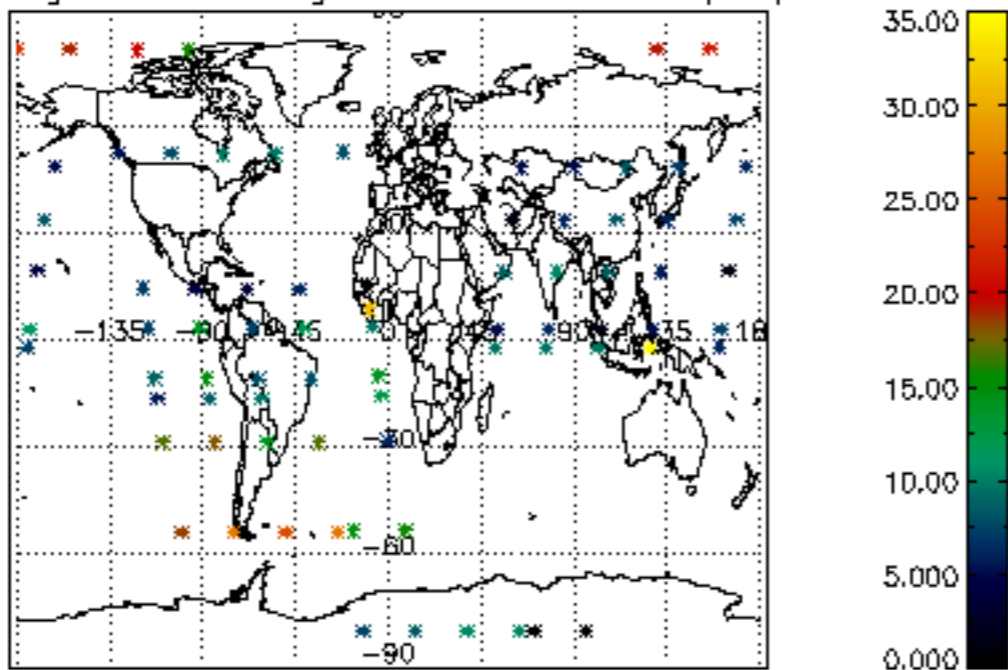
Percentage of cosmic ray hits per profile



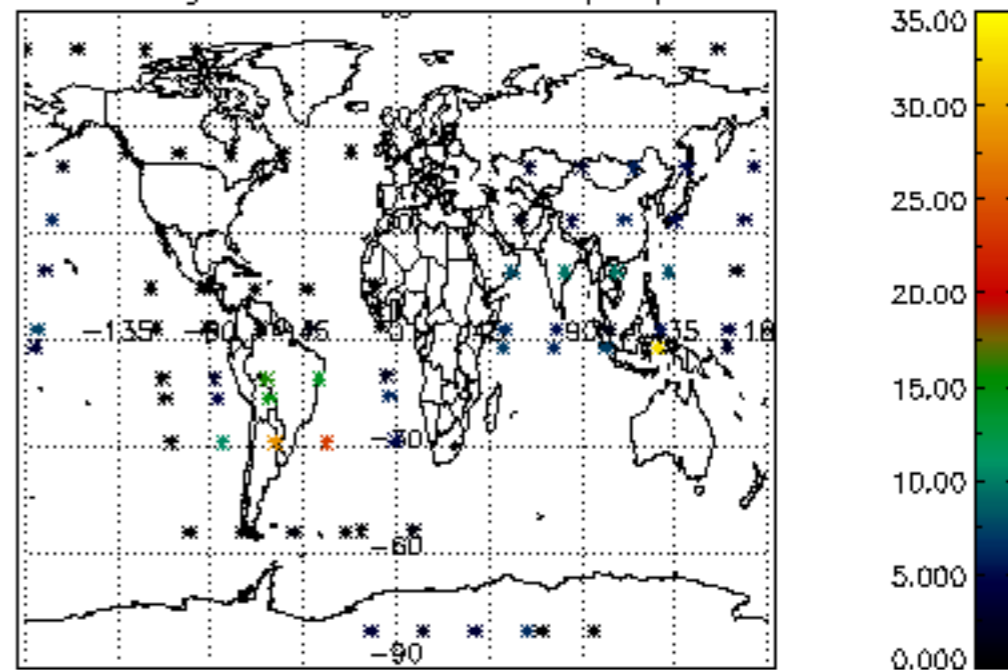
Percentage of datation errors per profile



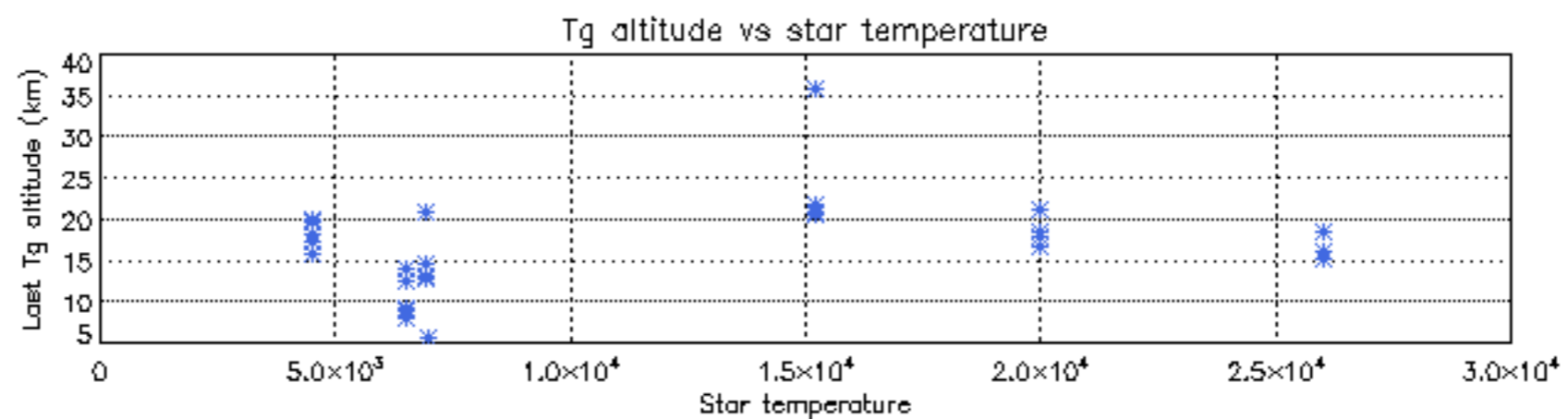
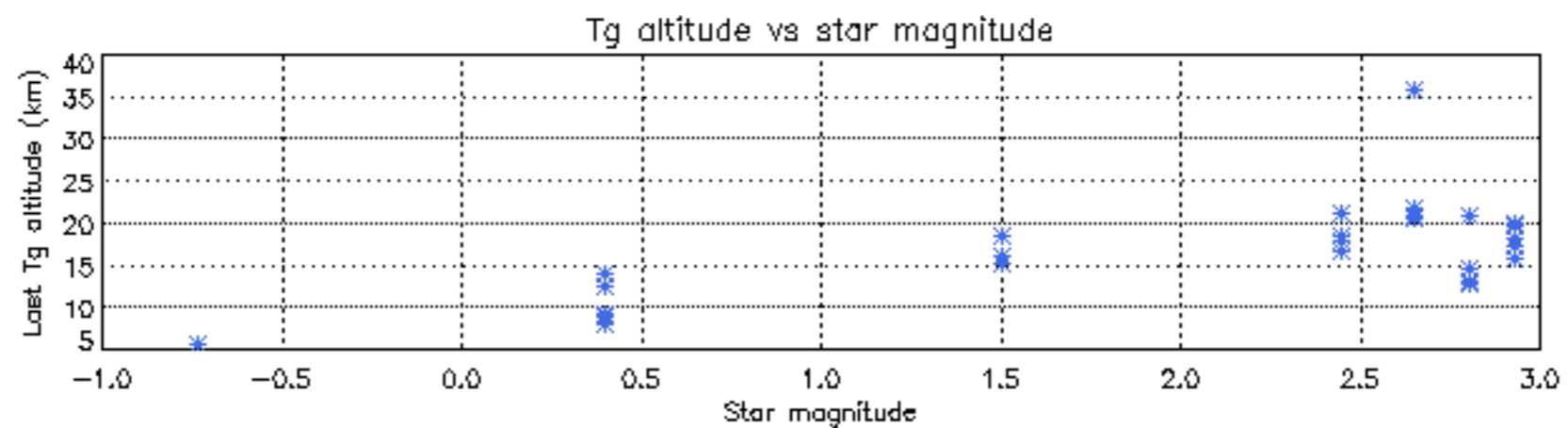
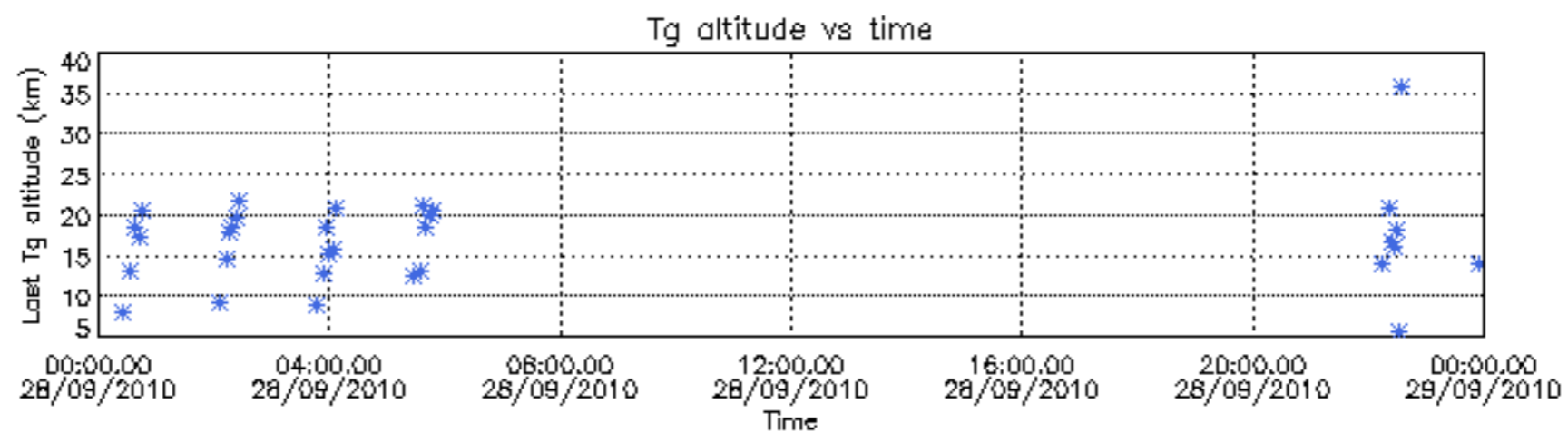
Percentage of star falling outside central band per profile



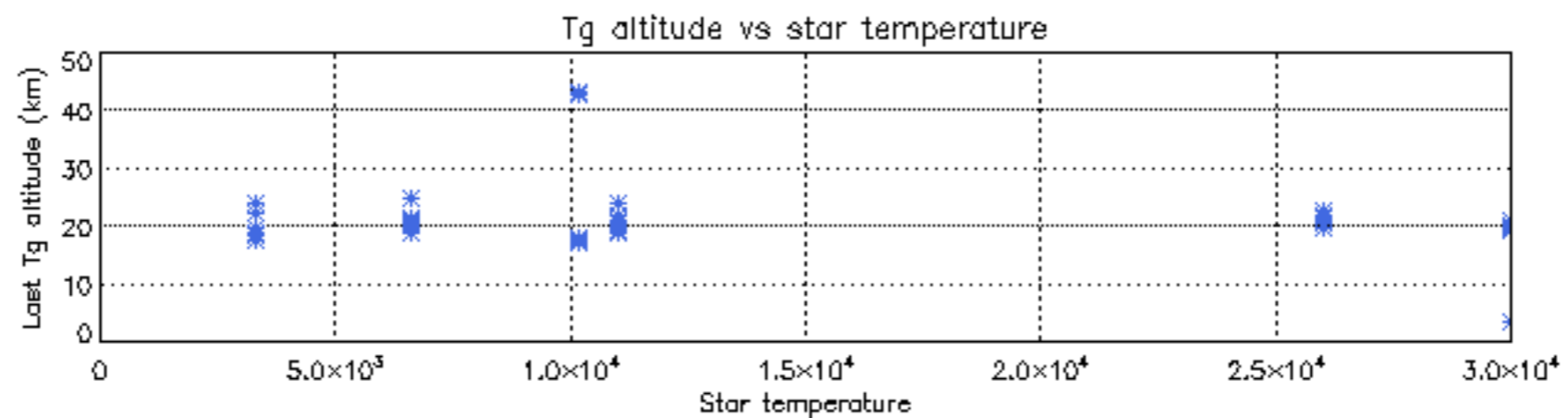
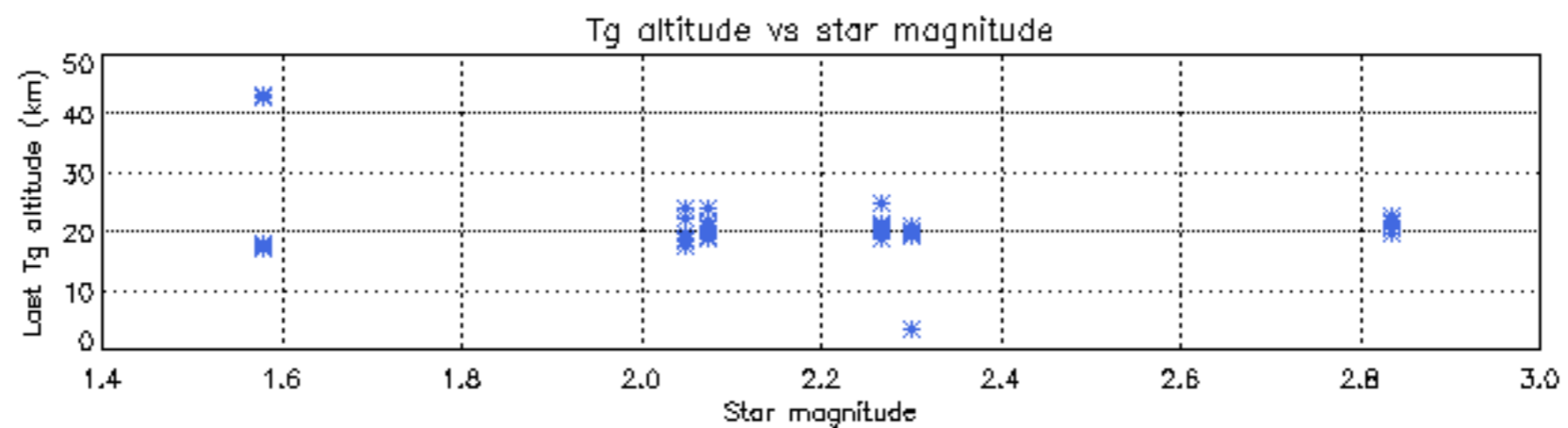
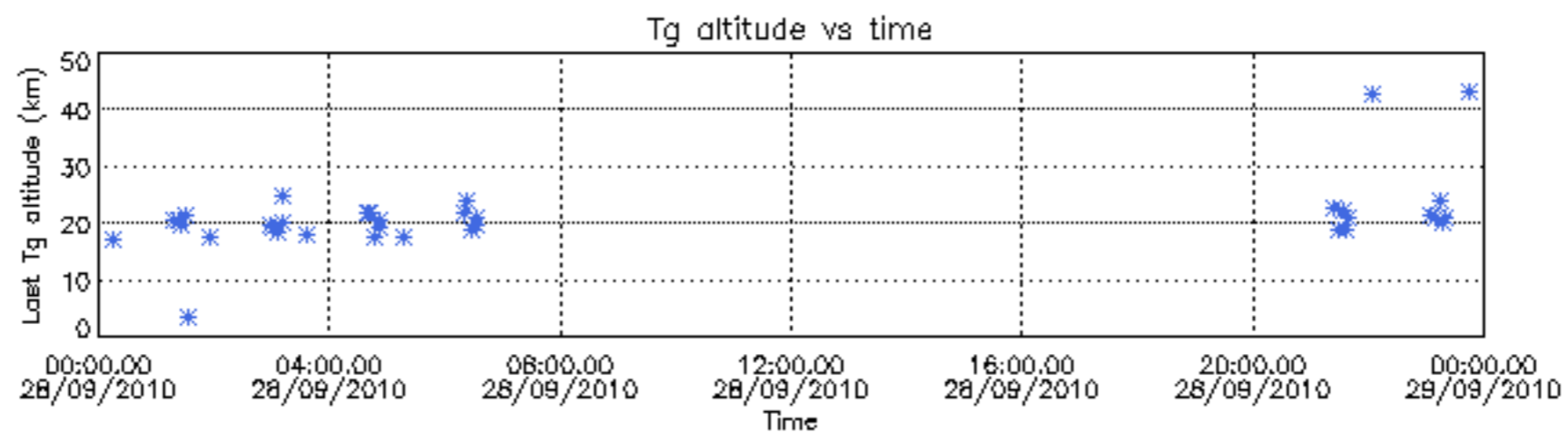
Percentage of saturation errors per profile

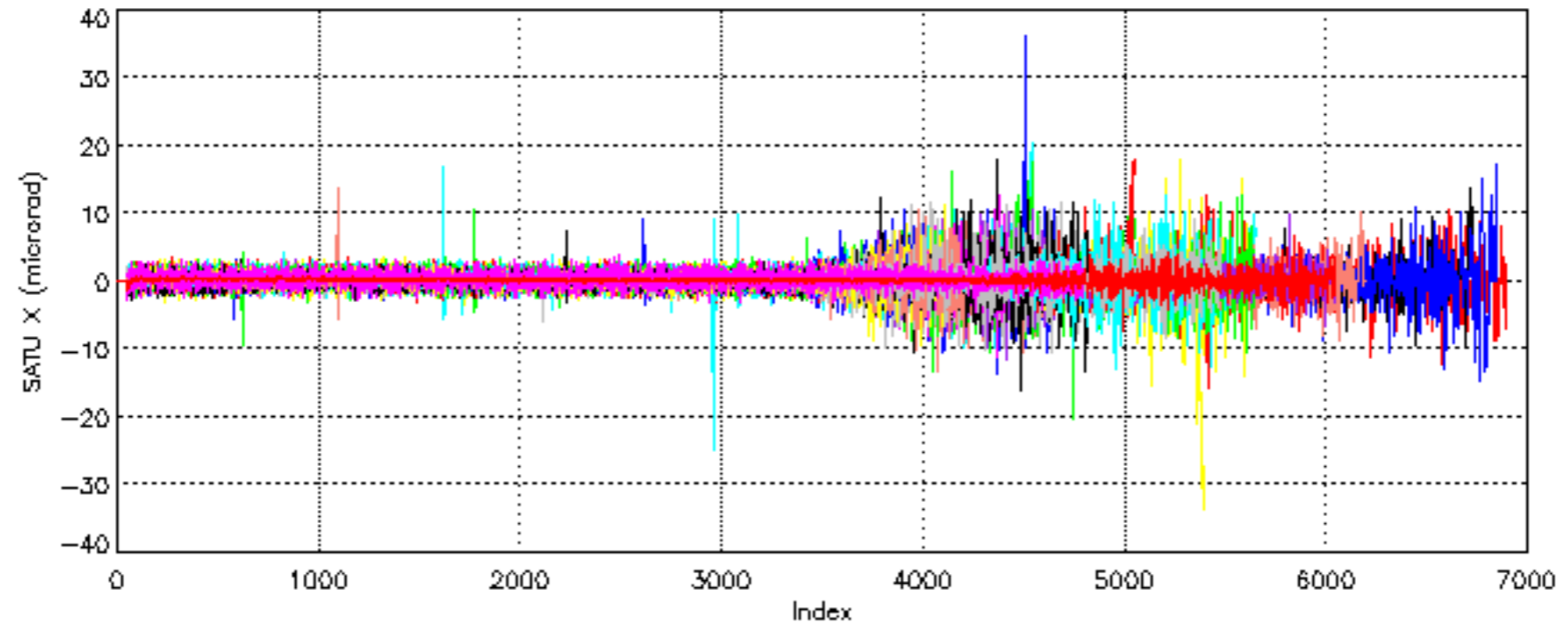


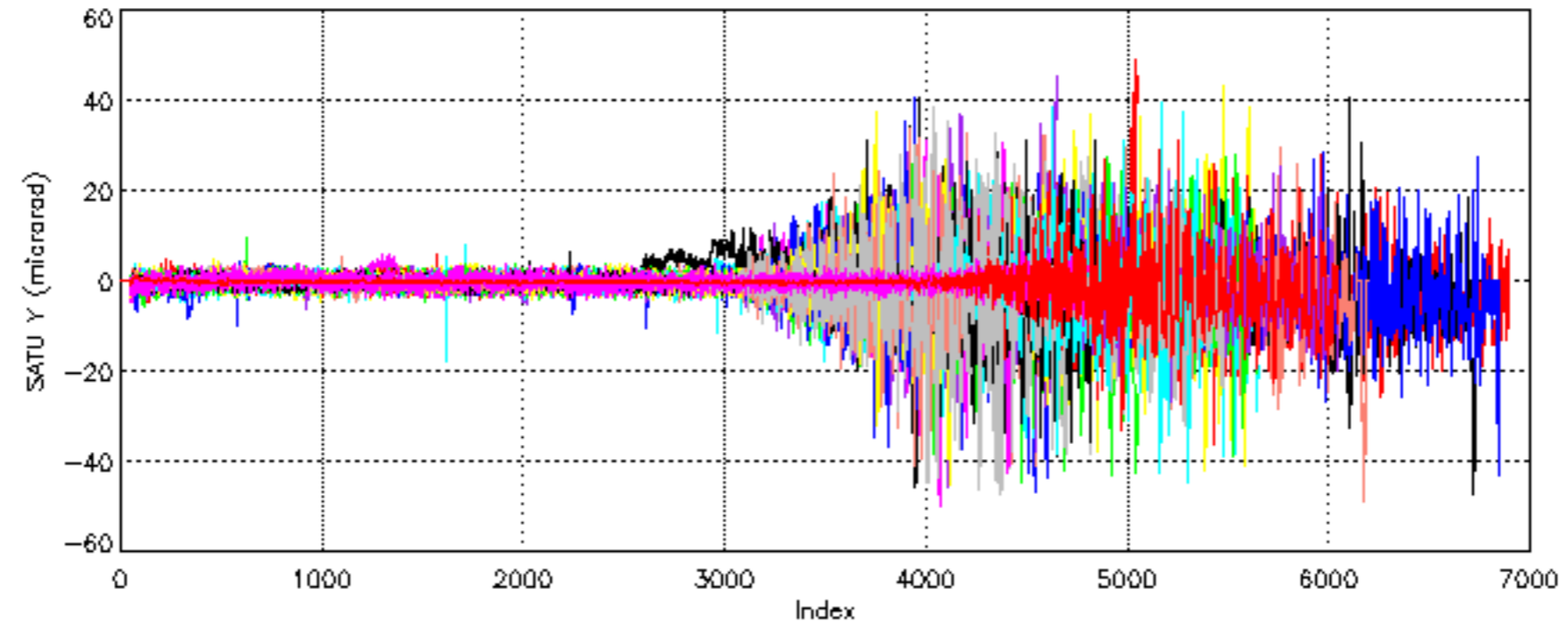
Tangent altitude at which the star is lost

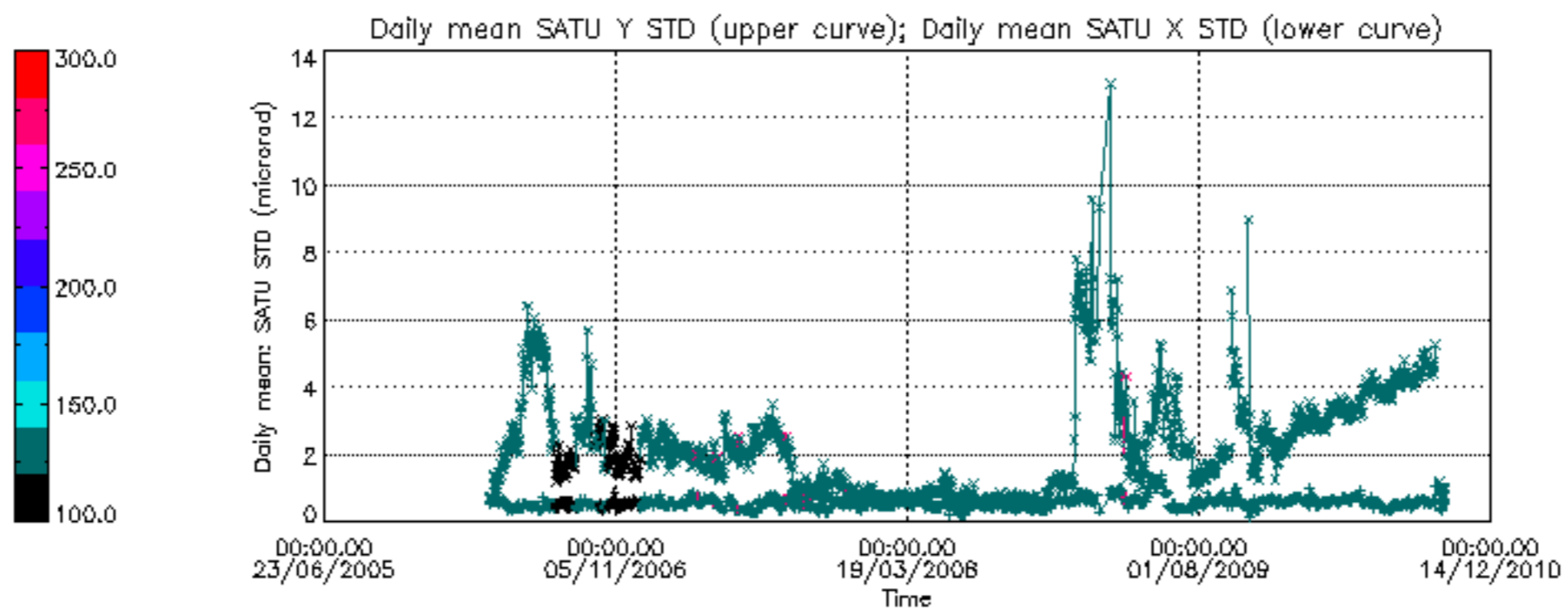


Tangent altitude at which the star is lost










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 2; -498.0; 01-SEP-2010 01:20:53; Dark ; 42.0; 23; 21Eps CMA ; 1.50; 26000;occ; 84; 0;44459
 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
 5; 525.7; 01-SEP-2010 01:37:57; Dark ; 41.0; 143; Alp Hyi ; 2.86; 7200;occ; 82; 0;44460
 6; 602.5; 01-SEP-2010 01:39:14; Dark ; 55.0; 9; Alp Eri ; 0.45; 24000;occ; 110; 0;44460
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 2; -498.0; 01-SEP-2010 01:20:53; Dark ; 42.0; 23; 21Eps CMA ; 1.50; 26000;occ; 84; 0;44459
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 5; 525.7; 01-SEP-2010 01:37:57; Dark ; 41.0; 143; Alp Hyi ; 2.86; 7200;occ; 82; 0;44460
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 7; 960.0; 01-SEP-2010 01:45:11; Dark ; 54.5; 84; Alp Phe ; 2.40; 4500;occ; 109; 0;44460
 8; 1328.3; 01-SEP-2010 01:51:20; Dark ; 49.0; 18; 24Alp PsA ; 1.17; 9700;occ; 98; 0;44460
 9; 1895.5; 01-SEP-2010 02:00:47; Bright; 41.0; 162; 34Alp Aqr ; 2.94; 5350;occ; 82; 0;44460
10; 2075.4; 01-SEP-2010 02:03:47; Bright; 38.5; 61; 8Eps Peg ; 2.10; 3900;occ; 77; 0;44460
11; 2502.6; 01-SEP-2010 02:10:54; Bright; 46.0; 164; 44Eta Peg ; 2.95; 5400;occ; 92; 0;44460
12; 2975.7; 01-SEP-2010 02:18:47; Bright; 37.5; 89; 5Alp Cep ; 2.45; 8000;occ; 75; 0;44460
13; 3144.6; 01-SEP-2010 02:21:36; Bright; 46.0; 74; 11Bet Cas ; 2.27; 6600;occ; 92; 0;44460
14; 3273.1; 01-SEP-2010 02:23:44; Bright; 42.5; 76; 27Gam Cas ; 2.30; 30000;occ; 85; 0;44460
15; 4208.2; 01-SEP-2010 02:39:19; Bright; 47.5; 42; 34Bet Aur ; 1.90; 10200;occ; 95; 0;44460
16; 4451.8; 01-SEP-2010 02:43:23; Bright; 37.0; 24; 66Alp Gem ; 1.58; 10200;occ; 74; 0;44460
17; 4685.8; 01-SEP-2010 02:47:17; Dark ; 58.0; 151; 13Mu Gem ; 2.89; 3000;occ; 116; 0;44460
18; 4791.2; 01-SEP-2010 02:49:02; Dark ; 51.5; 44; 24Gam Gem ; 1.93; 11000;occ; 103; 0;44460
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21; 5538.4; 01-SEP-2010 03:01:30; Dark ; 44.5; 23; 21Eps CMA ; 1.50; 26000;occ; 89; 0;44460
22; 5680.7; 01-SEP-2010 03:03:52; Dark ; 52.0; 139; 9Bet Lep ; 2.83; 5600;occ; 104; 0;44460
23; 5795.5; 01-SEP-2010 03:05:47; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;44460
24; 6562.2; 01-SEP-2010 03:18:33; Dark ; 39.5; 143; Alp Hyi ; 2.86; 7200;occ; 79; 0;44461
25; 6638.7; 01-SEP-2010 03:19:50; Dark ; 44.5; 9; Alp Eri ; 0.45; 24000;occ; 89; 0;44461
26; 6996.5; 01-SEP-2010 03:25:48; Dark ; 54.0; 84; Alp Phe ; 2.40; 4500;occ; 108; 0;44461
27; 7364.8; 01-SEP-2010 03:31:56; Dark ; 50.0; 18; 24Alp PsA ; 1.17; 9700;occ; 100; 0;44461
28; 7931.4; 01-SEP-2010 03:41:23; Bright; 41.0; 162; 34Alp Aqr ; 2.94; 5350;occ; 82; 0;44461
29; 8111.5; 01-SEP-2010 03:44:23; Bright; 39.0; 61; 8Eps Peg ; 2.10; 3900;occ; 78; 0;44461
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 7; 3144.6; 01-SEP-2010 02:21:36; Bright; 46.0; 74; 11Bet Cas ; 2.27; 6600;occ; 92; 0;44460
 8; 3273.1; 01-SEP-2010 02:23:44; Bright; 42.5; 76; 27Gam Cas ; 2.30; 30000;occ; 85; 0;44460
 9; 4208.2; 01-SEP-2010 02:39:19; Bright; 47.5; 42; 34Bet Aur ; 1.90; 10200;occ; 95; 0;44460
10; 4451.8; 01-SEP-2010 02:43:23; Bright; 37.0; 24; 66Alp Gem ; 1.58; 10200;occ; 74; 0;44460
11; 4685.8; 01-SEP-2010 02:47:17; Dark ; 58.0; 151; 13Mu Gem ; 2.89; 3000;occ; 116; 0;44460
12; 4791.2; 01-SEP-2010 02:49:02; Dark ; 51.5; 44; 24Gam Gem ; 1.93; 11000;occ; 103; 0;44460
13; 4913.8; 01-SEP-2010 02:51:05; Dark ; 53.5; 8; 10Alp CMi ; 0.40; 6500;occ; 107; 0;44460
14; 5372.6; 01-SEP-2010 02:58:44; Dark ; 57.0; 1; 9Alp CMA ; -1.44; 11000;occ; 114; 0;44460
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16; 5680.7; 01-SEP-2010 03:03:52; Dark ; 52.0; 139; 9Bet Lep ; 2.83; 5600;occ; 104; 0;44460
17; 5795.5; 01-SEP-2010 03:05:47; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;44460
18; 6562.2; 01-SEP-2010 03:18:33; Dark ; 39.5; 143; Alp Hyi ; 2.86; 7200;occ; 79; 0;44461
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23; 8111.5; 01-SEP-2010 03:44:23; Bright; 39.0; 61; 8Eps Peg ; 2.10; 3900;occ; 78; 0;44461
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5; 3200.5; 08-SEP-2010 15:27:11; Bright; 44.0; 76; 27Gam Cas ; 2.30; 30000;occ; 88; 0;44568
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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 2; -431.2; 09-SEP-2010 00:30:15; Dark ; 47.0; 23; 21Eps CMA ; 1.50; 26000;occ; 94; 0;44573
 3; -219.5; 09-SEP-2010 00:33:47; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;44573
 4; 669.1; 09-SEP-2010 00:48:36; Dark ; 51.0; 9; Alp Eri ; 0.45; 24000;occ; 102; 0;44574
 5; 1021.3; 09-SEP-2010 00:54:28; Dark ; 48.5; 84; Alp Phe ; 2.40; 4500;occ; 97; 0;44574
 6; 1357.6; 09-SEP-2010 01:00:04; Dark ; 48.0; 18; 24Alp PsA ; 1.17; 9700;occ; 96; 0;44574
 7; 2203.8; 09-SEP-2010 01:14:10; Bright; 45.0; 90; 54Alp Peg ; 2.49; 11000;occ; 90; 0;44574
 8; 2457.2; 09-SEP-2010 01:18:24; Bright; 41.5; 164; 44Eta Peg ; 2.95; 5400;occ; 83; 0;44574
 9; 3077.9; 09-SEP-2010 01:28:44; Bright; 38.5; 74; 11Bet Cas ; 2.27; 6600;occ; 77; 0;44574
 10; 3196.5; 09-SEP-2010 01:30:43; Bright; 45.0; 76; 27Gam Cas ; 2.30; 30000;occ; 90; 0;44574
 11; 4190.4; 09-SEP-2010 01:47:17; Bright; 49.5; 42; 34Bet Aur ; 1.90; 10200;occ; 99; 0;44574
 12; 4467.5; 09-SEP-2010 01:51:54; Bright; 41.0; 24; 66Alp Gem ; 1.58; 10200;occ; 82; 0;44574
 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
 15; 4954.4; 09-SEP-2010 02:00:01; Dark ; 48.5; 8; 10Alp CMi ; 0.40; 6500;occ; 97; 0;44574

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 2; -430.6; 09-SEP-2010 02:10:52; Dark ; 47.5; 23; 21Eps CMA ; 1.50; 26000;occ; 95; 0;44574
 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
8; -306.0; 09-SEP-2010 03:53:32; Dark ; 45.5; 177; 1Zet CMA ; 3.02; 26000;occ; 91; 0;44575
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11; 670.4; 09-SEP-2010 04:09:49; Dark ; 46.5; 9; Alp Eri ; 0.45; 24000;occ; 93; 0;44576
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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
15; 2456.9; 09-SEP-2010 04:39:35; Bright; 40.0; 164; 44Eta Peg ; 2.95; 5400;occ; 80; 0;44576
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
5; -1080.4; 09-SEP-2010 05:21:14; Dark ; 55.5; 8; 10Alp CMi ; 0.40; 6500;occ; 111; 0;44576
6; -580.5; 09-SEP-2010 05:29:34; Dark ; 60.5; 1; 9Alp CMA ; -1.44; 11000;occ; 121; 0;44576
7; -429.2; 09-SEP-2010 05:32:05; Dark ; 46.0; 23; 21Eps CMA ; 1.50; 26000;occ; 92; 0;44576
8; -305.1; 09-SEP-2010 05:34:09; Dark ; 44.0; 177; 1Zet CMA ; 3.02; 26000;occ; 88; 0;44576
9; -217.1; 09-SEP-2010 05:35:37; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;44576
10; -111.3; 09-SEP-2010 05:37:23; Dark ; 47.5; 108; Alp Col ; 2.65; 15200;occ; 95; 0;44576
11; 671.1; 09-SEP-2010 05:50:26; Dark ; 45.0; 9; Alp Eri ; 0.45; 24000;occ; 90; 0;44577
12; 1023.1; 09-SEP-2010 05:56:17; Dark ; 43.5; 84; Alp Phe ; 2.40; 4500;occ; 87; 0;44577
13; 1358.4; 09-SEP-2010 06:01:53; Dark ; 45.5; 18; 24Alp PsA ; 1.17; 9700;occ; 91; 0;44577
14; 2203.0; 09-SEP-2010 06:15:57; Bright; 43.0; 90; 54Alp Peg ; 2.49; 11000;occ; 86; 0;44577
15; 2456.9; 09-SEP-2010 06:20:11; Bright; 41.5; 164; 44Eta Peg ; 2.95; 5400;occ; 83; 0;44577
16; 3076.2; 09-SEP-2010 06:30:31; Bright; 44.0; 74; 11Bet Cas ; 2.27; 6600;occ; 88; 0;44577
17; 3194.9; 09-SEP-2010 06:32:29; Bright; 44.0; 76; 27Gam Cas ; 2.30; 30000;occ; 88; 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
3; 4849.2; 09-SEP-2010 22:05:27; Dark ; 57.5; 44; 24Gam Gem ; 1.93; 11000;occ; 115; 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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2; -1567.8; 09-SEP-2010 06:53:43; Bright; 41.0; 24; 66Alp Gem ; 1.58; 10200;occ; 82; 0;44577
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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6; -579.6; 09-SEP-2010 07:10:11; Dark ; 50.5; 1; 9Alp CMA ; -1.44; 11000;occ; 101; 0;44577
7; -428.5; 09-SEP-2010 07:12:42; Dark ; 45.5; 23; 21Eps CMA ; 1.50; 26000;occ; 91; 0;44577
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
10; -110.1; 09-SEP-2010 07:18:00; Dark ; 47.5; 108; Alp Col ; 2.65; 15200;occ; 95; 0;44577
11; 671.5; 09-SEP-2010 07:31:02; Dark ; 52.5; 9; Alp Eri ; 0.45; 24000;occ; 105; 0;44578
12; 1023.4; 09-SEP-2010 07:36:54; Dark ; 46.0; 84; Alp Phe ; 2.40; 4500;occ; 92; 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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6; 4468.2; 09-SEP-2010 08:34:19; Bright; 42.5; 24; 66Alp Gem ; 1.58; 10200;occ; 85; 0;44578
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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2; 2611.6; 09-SEP-2010 18:06:57; Bright; 54.5; 58; 21Alp And ; 2.07; 11000;occ; 109; 0;44584
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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2; -235.0; 10-SEP-2010 03:23:06; Dark ; 64.0; 101; 11Alp Lep ; 2.58; 7000;occ; 128; 0;44589
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
6; 2606.1; 10-SEP-2010 04:10:27; Bright; 54.0; 58; 21Alp And ; 2.07; 11000;occ; 108; 0;44590
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2; 1514.1; 10-SEP-2010 05:32:51; Dark ; 70.5; 52; 16Bet Cet ; 2.04; 4500;occ; 141; 0;44591
3; 2605.1; 10-SEP-2010 05:51:02; Bright; 54.0; 58; 21Alp And ; 2.07; 11000;occ; 108; 0;44591
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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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2; -70.1; 10-SEP-2010 08:27:39; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;44592
3; 638.9; 10-SEP-2010 08:39:28; Dark ; 53.0; 157; The1Eri ; 2.91; 9300;occ; 106; 0;44593
4; 1514.7; 10-SEP-2010 08:54:04; Dark ; 65.5; 52; 16Bet Cet ; 2.04; 4500;occ; 131; 0;44593
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4; 5967.2; 10-SEP-2010 10:08:16; Dark ; 59.0; 0; ; 0.00; 0;occ; 118; 0;44593
5; 6675.5; 10-SEP-2010 10:20:05; Dark ; 57.0; 157; The1Eri ; 2.91; 9300;occ; 114; 0;44594
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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
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8; 6677.0; 10-SEP-2010 12:00:42; Dark ; 57.5; 157; The1Eri ; 2.91; 9300;occ; 115; 0;44595
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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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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
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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
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 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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 3; 2410.1; 16-SEP-2010 16:02:52; Bright; 39.0; 93; 53Bet Peg ; 2.52; 3100;occ; 78; 0;44683
 4; 2532.4; 16-SEP-2010 16:04:54; Bright; 30.0; 58; 21Alp And ; 2.07; 11000;occ; 60; 0;44683
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9; 5452.2; 16-SEP-2010 16:53:34; Dark ; 42.5; 132; 15Rho Pup ; 2.80; 6900;occ; 85; 0;44683
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14; 6677.9; 16-SEP-2010 17:14:00; Dark ; 38.5; 143; Alp Hyi ; 2.86; 7200;occ; 77; 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
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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
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11; 5689.3; 16-SEP-2010 18:38:07; Dark ; 52.5; 23; 21Eps CMA ; 1.50; 26000;occ; 105; 0;44684
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 2; -331.8; 23-SEP-2010 01:32:14; Dark ; 51.5; 37; 25Del CMA ; 1.83; 5900;occ; 103; 0;44774
 3; -220.7; 23-SEP-2010 01:34:06; Dark ; 44.5; 117; Pi Pup ; 2.71; 3800;occ; 89; 0;44774
 4; -33.2; 23-SEP-2010 01:37:13; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;44774
 5; 86.6; 23-SEP-2010 01:39:13; Dark ; 56.5; 2; Alp Car ; -0.74; 7000;occ; 113; 0;44775
 6; 770.4; 23-SEP-2010 01:50:37; Dark ; 43.5; 9; Alp Eri ; 0.45; 24000;occ; 87; 0;44775
 7; 1104.5; 23-SEP-2010 01:56:11; Dark ; 44.0; 84; Alp Phe ; 2.40; 4500;occ; 88; 0;44775
 8; 1541.3; 23-SEP-2010 02:03:28; Dark ; 51.5; 52; 16Bet Cet ; 2.04; 4500;occ; 103; 0;44775
 9; 2167.9; 23-SEP-2010 02:13:54; Bright; 37.5; 90; 54Alp Peg ; 2.49; 11000;occ; 75; 0;44775
10; 2392.9; 23-SEP-2010 02:17:39; Bright; 39.5; 93; 53Bet Peg ; 2.52; 3100;occ; 79; 0;44775
11; 2479.5; 23-SEP-2010 02:19:06; Bright; 43.5; 58; 21Alp And ; 2.07; 11000;occ; 87; 0;44775
12; 2987.5; 23-SEP-2010 02:27:34; Bright; 38.0; 74; 11Bet Cas ; 2.27; 6600;occ; 76; 0;44775
13; 3083.1; 23-SEP-2010 02:29:09; Bright; 40.5; 76; 27Gam Cas ; 2.30; 30000;occ; 81; 0;44775
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 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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 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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 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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 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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 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
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 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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 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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 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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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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 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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 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
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 7; 16.1; 24-SEP-2010 07:48:49; Dark ; 41.0; 161; Tau Pup ; 2.93; 4500;occ; 82; 0;44793
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 9; 836.4; 24-SEP-2010 08:02:29; Dark ; 53.5; 157; The1Eri ; 2.91; 9300;occ; 107; 0;44793
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 4; 2981.1; 24-SEP-2010 08:38:14; Bright; 38.0; 74; 11Bet Cas ; 2.27; 6600;occ; 76; 0;44793
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 9; 5695.5; 24-SEP-2010 09:23:28; Dark ; 36.0; 1; 9Alp CMA ; -1.44; 11000;occ; 72; 0;44793
10; 5793.1; 24-SEP-2010 09:25:06; Dark ; 50.5; 23; 21Eps CMA ; 1.50; 26000;occ; 101; 0;44793
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 3; 2470.6; 24-SEP-2010 10:10:19; Bright; 44.0; 58; 21Alp And ; 2.07; 11000;occ; 88; 0;44794
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12; 6217.3; 25-SEP-2010 09:00:33; Dark ; 54.0; 108; Alp Col ; 2.65; 15200;occ; 108; 0;44808
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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2; 2389.5; 25-SEP-2010 09:37:21; Bright; 39.0; 93; 53Bet Peg ; 2.52; 3100;occ; 78; 0;44808
3; 2975.8; 25-SEP-2010 09:47:07; Bright; 41.5; 74; 11Bet Cas ; 2.27; 6600;occ; 83; 0;44808
4; 3067.5; 25-SEP-2010 09:48:39; Bright; 41.5; 76; 27Gam Cas ; 2.30; 30000;occ; 83; 0;44808
5; 4499.9; 25-SEP-2010 10:12:32; Bright; 55.0; 24; 66Alp Gem ; 1.58; 10200;occ; 110; 0;44808
6; 5059.1; 25-SEP-2010 10:21:51; Dark ; 56.0; 153; 3Bet CMi ; 2.89; 13100;occ; 112; 0;44808
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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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13; 6885.8; 25-SEP-2010 10:52:17; Dark ; 51.5; 157; The1Eri ; 2.91; 9300;occ; 103; 0;44809
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6; 5060.1; 25-SEP-2010 12:02:28; Dark ; 55.0; 153; 3Bet CMi ; 2.89; 13100;occ; 110; 0;44809
7; 5525.1; 25-SEP-2010 12:10:13; Dark ; 41.5; 132; 15Rho Pup ; 2.80; 6900;occ; 83; 0;44809
8; 5722.4; 25-SEP-2010 12:13:30; Dark ; 47.0; 88; 31Eta CMA ; 2.45; 20000;occ; 94; 0;44809
9; 5810.3; 25-SEP-2010 12:14:58; Dark ; 52.0; 23; 21Eps CMA ; 1.50; 26000;occ; 104; 0;44809
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12; 6220.2; 25-SEP-2010 12:21:48; Dark ; 55.0; 108; Alp Col ; 2.65; 15200;occ; 110; 0;44810
13; 6886.7; 25-SEP-2010 12:32:54; Dark ; 51.0; 157; The1Eri ; 2.91; 9300;occ; 102; 0;44810
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4; 3066.7; 25-SEP-2010 13:09:50; Bright; 43.0; 76; 27Gam Cas ; 2.30; 30000;occ; 86; 0;44810
5; 4500.3; 25-SEP-2010 13:33:44; Bright; 51.5; 24; 66Alp Gem ; 1.58; 10200;occ; 103; 0;44810
6; 5089.6; 25-SEP-2010 13:43:33; Dark ; 69.5; 8; 10Alp CMi ; 0.40; 6500;occ; 139; 0;44810
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
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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
8; 5526.5; 25-SEP-2010 15:31:26; Dark ; 43.0; 132; 15Rho Pup ; 2.80; 6900;occ; 86; 0;44811
9; 5724.3; 25-SEP-2010 15:34:44; Dark ; 47.5; 88; 31Eta CMA ; 2.45; 20000;occ; 95; 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
13; 6223.2; 25-SEP-2010 15:43:02; Dark ; 56.0; 108; Alp Col ; 2.65; 15200;occ; 112; 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
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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
 6; 4500.6; 25-SEP-2010 18:35:32; Bright; 55.0; 24; 66Alp Gem ; 1.58; 10200;occ; 110; 0;44813
 7; 5092.2; 25-SEP-2010 18:45:23; Dark ; 74.0; 8; 10Alp CMi ; 0.40; 6500;occ; 148; 0;44813
 8; 5527.8; 25-SEP-2010 18:52:39; Dark ; 46.0; 132; 15Rho Pup ; 2.80; 6900;occ; 92; 0;44813
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 6; 4500.8; 25-SEP-2010 20:16:08; Bright; 51.5; 24; 66Alp Gem ; 1.58; 10200;occ; 103; 0;44814
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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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 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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6; -72.3; 28-SEP-2010 07:21:28; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;44849
7; 55.7; 28-SEP-2010 07:23:36; Dark ; 42.5; 161; Tau Pup ; 2.93; 4500;occ; 85; 0;44850
8; 242.8; 28-SEP-2010 07:26:43; Dark ; 56.5; 108; Alp Col ; 2.65; 15200;occ; 113; 0;44850
9; 883.1; 28-SEP-2010 07:37:23; Dark ; 50.5; 157; The1Eri ; 2.91; 9300;occ; 101; 0;44850
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5; 3049.0; 28-SEP-2010 08:13:29; Bright; 41.0; 76; 27Gam Cas ; 2.30; 30000;occ; 82; 0;44850
6; 4506.3; 28-SEP-2010 08:37:47; Bright; 55.0; 24; 66Alp Gem ; 1.58; 10200;occ; 110; 0;44850
7; 5123.4; 28-SEP-2010 08:48:04; Dark ; 69.0; 8; 10Alp CMi ; 0.40; 6500;occ; 138; 0;44850
8; 5554.0; 28-SEP-2010 08:55:14; Dark ; 42.5; 132; 15Rho Pup ; 2.80; 6900;occ; 85; 0;44850
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10; 5857.0; 28-SEP-2010 09:00:17; Dark ; 55.5; 23; 21Eps CMA ; 1.50; 26000;occ; 111; 0;44850
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12; 6919.9; 28-SEP-2010 09:18:00; Dark ; 52.0; 157; The1Eri ; 2.91; 9300;occ; 104; 0;44851
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3; 2691.2; 28-SEP-2010 09:48:07; Bright; 52.5; 53; 43Bet And ; 2.05; 3300;occ; 105; 0;44851
4; 2962.4; 28-SEP-2010 09:52:39; Bright; 40.0; 74; 11Bet Cas ; 2.27; 6600;occ; 80; 0;44851
5; 3048.7; 28-SEP-2010 09:54:05; Bright; 39.0; 76; 27Gam Cas ; 2.30; 30000;occ; 78; 0;44851
6; 4506.3; 28-SEP-2010 10:18:22; Bright; 55.0; 24; 66Alp Gem ; 1.58; 10200;occ; 110; 0;44851
7; 5124.4; 28-SEP-2010 10:28:41; Dark ; 69.0; 8; 10Alp CMi ; 0.40; 6500;occ; 138; 0;44851
8; 5554.8; 28-SEP-2010 10:35:51; Dark ; 44.0; 132; 15Rho Pup ; 2.80; 6900;occ; 88; 0;44851
9; 5762.0; 28-SEP-2010 10:39:18; Dark ; 45.5; 88; 31Eta CMA ; 2.45; 20000;occ; 91; 0;44851
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11; 6281.5; 28-SEP-2010 10:47:58; Dark ; 56.0; 108; Alp Col ; 2.65; 15200;occ; 112; 0;44852
12; 6920.8; 28-SEP-2010 10:58:37; Dark ; 52.0; 157; The1Eri ; 2.91; 9300;occ; 104; 0;44852
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4; 2962.2; 28-SEP-2010 11:33:14; Bright; 41.0; 74; 11Bet Cas ; 2.27; 6600;occ; 82; 0;44852
5; 3048.0; 28-SEP-2010 11:34:40; Bright; 42.5; 76; 27Gam Cas ; 2.30; 30000;occ; 85; 0;44852
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9; 5763.0; 28-SEP-2010 12:19:55; Dark ; 47.5; 88; 31Eta CMA ; 2.45; 20000;occ; 95; 0;44852
10; 5859.4; 28-SEP-2010 12:21:31; Dark ; 52.0; 23; 21Eps CMA ; 1.50; 26000;occ; 104; 0;44852
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4; 2961.8; 28-SEP-2010 13:13:50; Bright; 39.5; 74; 11Bet Cas ; 2.27; 6600;occ; 79; 0;44853
5; 3047.5; 28-SEP-2010 13:15:15; Bright; 41.5; 76; 27Gam Cas ; 2.30; 30000;occ; 83; 0;44853
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8; 5556.4; 28-SEP-2010 13:57:04; Dark ; 47.0; 132; 15Rho Pup ; 2.80; 6900;occ; 94; 0;44853
9; 5764.0; 28-SEP-2010 14:00:32; Dark ; 46.0; 88; 31Eta CMA ; 2.45; 20000;occ; 92; 0;44853
10; 5860.7; 28-SEP-2010 14:02:09; Dark ; 57.5; 23; 21Eps CMA ; 1.50; 26000;occ; 115; 0;44853
11; 5966.4; 28-SEP-2010 14:03:54; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;44853
12; 6094.5; 28-SEP-2010 14:06:02; Dark ; 42.0; 161; Tau Pup ; 2.93; 4500;occ; 84; 0;44854
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3; 2447.1; 28-SEP-2010 14:45:51; Bright; 40.5; 58; 21Alp And ; 2.07; 11000;occ; 81; 0;44854
4; 2688.6; 28-SEP-2010 14:49:52; Bright; 53.0; 53; 43Bet And ; 2.05; 3300;occ; 106; 0;44854
5; 2961.6; 28-SEP-2010 14:54:25; Bright; 36.5; 74; 11Bet Cas ; 2.27; 6600;occ; 73; 0;44854
6; 3047.3; 28-SEP-2010 14:55:51; Bright; 39.0; 76; 27Gam Cas ; 2.30; 30000;occ; 78; 0;44854
7; 4506.8; 28-SEP-2010 15:20:11; Bright; 53.0; 24; 66Alp Gem ; 1.58; 10200;occ; 106; 0;44854
8; 5127.2; 28-SEP-2010 15:30:31; Dark ; 73.5; 8; 10Alp CMi ; 0.40; 6500;occ; 147; 0;44854
9; 5557.4; 28-SEP-2010 15:37:41; Dark ; 45.5; 132; 15Rho Pup ; 2.80; 6900;occ; 91; 0;44854
10; 5765.1; 28-SEP-2010 15:41:09; Dark ; 45.0; 88; 31Eta CMA ; 2.45; 20000;occ; 90; 0;44854
11; 5861.8; 28-SEP-2010 15:42:46; Dark ; 58.5; 23; 21Eps CMA ; 1.50; 26000;occ; 117; 0;44854
12; 5967.2; 28-SEP-2010 15:44:31; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;44854

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3; 2446.7; 28-SEP-2010 16:26:26; Bright; 40.5; 58; 21Alp And ; 2.07; 11000;occ; 81; 0;44855
4; 2687.9; 28-SEP-2010 16:30:28; Bright; 52.0; 53; 43Bet And ; 2.05; 3300;occ; 104; 0;44855
5; 2961.3; 28-SEP-2010 16:35:01; Bright; 39.5; 74; 11Bet Cas ; 2.27; 6600;occ; 79; 0;44855
6; 3046.8; 28-SEP-2010 16:36:26; Bright; 38.0; 76; 27Gam Cas ; 2.30; 30000;occ; 76; 0;44855
7; 4506.9; 28-SEP-2010 17:00:47; Bright; 53.5; 24; 66Alp Gem ; 1.58; 10200;occ; 107; 0;44855
8; 5128.1; 28-SEP-2010 17:11:08; Dark ; 65.0; 8; 10Alp CMi ; 0.40; 6500;occ; 130; 0;44855
9; 5558.0; 28-SEP-2010 17:18:18; Dark ; 44.0; 132; 15Rho Pup ; 2.80; 6900;occ; 88; 0;44855
10; 5766.1; 28-SEP-2010 17:21:46; Dark ; 47.5; 88; 31Eta CMA ; 2.45; 20000;occ; 95; 0;44855
11; 5863.0; 28-SEP-2010 17:23:23; Dark ; 50.5; 23; 21Eps CMA ; 1.50; 26000;occ; 101; 0;44855
12; 5967.9; 28-SEP-2010 17:25:08; Dark ; 59.0; 0; ; 0.00; 0;occ; 118; 0;44855
13; 6095.8; 28-SEP-2010 17:27:16; Dark ; 50.0; 161; Tau Pup ; 2.93; 4500;occ; 100; 0;44856
14; 6179.8; 28-SEP-2010 17:28:40; Dark ; 49.5; 2; Alp Car ; -0.74; 7000;occ; 99; 0;44856
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3; 2446.4; 28-SEP-2010 18:07:02; Bright; 40.5; 58; 21Alp And ; 2.07; 11000;occ; 81; 0;44856
4; 2687.0; 28-SEP-2010 18:11:03; Bright; 48.5; 53; 43Bet And ; 2.05; 3300;occ; 97; 0;44856
5; 2960.8; 28-SEP-2010 18:15:37; Bright; 40.0; 74; 11Bet Cas ; 2.27; 6600;occ; 80; 0;44856
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7; 4507.1; 28-SEP-2010 18:41:23; Bright; 48.0; 24; 66Alp Gem ; 1.58; 10200;occ; 96; 0;44856
8; 5129.0; 28-SEP-2010 18:51:45; Dark ; 65.5; 8; 10Alp CMi ; 0.40; 6500;occ; 131; 0;44856
9; 5558.6; 28-SEP-2010 18:58:54; Dark ; 45.0; 132; 15Rho Pup ; 2.80; 6900;occ; 90; 0;44856
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11; 5864.1; 28-SEP-2010 19:04:00; Dark ; 58.5; 23; 21Eps CMA ; 1.50; 26000;occ; 117; 0;44856
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4; 2686.2; 28-SEP-2010 19:51:38; Bright; 51.5; 53; 43Bet And ; 2.05; 3300;occ; 103; 0;44857
5; 2960.7; 28-SEP-2010 19:56:12; Bright; 40.0; 74; 11Bet Cas ; 2.27; 6600;occ; 80; 0;44857
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5; 146.9; 29-SEP-2010 00:11:06; Dark ; 58.0; 2; Alp Car ; -0.74; 7000;occ; 116; 0;44860
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7; 890.8; 29-SEP-2010 00:23:30; Dark ; 51.0; 157; The1Eri ; 2.91; 9300;occ; 102; 0;44860
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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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2; -902.4; 29-SEP-2010 03:14:49; Dark ; 53.0; 8; 10Alp CMI ; 0.40; 6500;occ; 106; 0;44861
3; -473.5; 29-SEP-2010 03:21:58; Dark ; 47.0; 132; 15Rho Pup ; 2.80; 6900;occ; 94; 0;44861
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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2;-1442.4; 29-SEP-2010 04:46:25; Bright; 55.0; 17; 78Bet Gem ; 1.16; 4500;occ; 110; 0;44862
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
15; 2681.7; 29-SEP-2010 05:55:09; Bright; 51.0; 53; 43Bet And ; 2.05; 3300;occ; 102; 0;44863
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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2; 2443.8; 29-SEP-2010 07:31:47; Bright; 40.0; 58; 21Alp And ; 2.07; 11000;occ; 80; 0;44864
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
16; 7589.6; 29-SEP-2010 08:57:33; Dark ; 52.5; 52; 16Bet Cet ; 2.04; 4500;occ; 105; 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
15; 6932.3; 29-SEP-2010 12:07:47; Dark ; 52.0; 157; The1Eri ; 2.91; 9300;occ; 104; 0;44867
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2; 2191.1; 29-SEP-2010 12:29:22; Bright; 41.5; 140; 88Gam Peg ; 2.83; 26000;occ; 83; 0;44867
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
14; 6188.8; 29-SEP-2010 13:36:00; Dark ; 45.5; 2; Alp Car ; -0.74; 7000;occ; 91; 0;44868

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4; 2678.0; 29-SEP-2010 14:18:05; Bright; 46.0; 53; 43Bet And ; 2.05; 3300;occ; 92; 0;44868
5; 2957.7; 29-SEP-2010 14:22:44; Bright; 39.5; 74; 11Bet Cas ; 2.27; 6600;occ; 79; 0;44868
6; 3041.5; 29-SEP-2010 14:24:08; Bright; 37.0; 76; 27Gam Cas ; 2.30; 30000;occ; 74; 0;44868
7; 4594.9; 29-SEP-2010 14:50:02; Bright; 68.0; 17; 78Bet Gem ; 1.16; 4500;occ; 136; 0;44868
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
10; 5878.7; 29-SEP-2010 15:11:25; Dark ; 61.5; 23; 21Eps CMA ; 1.50; 26000;occ; 123; 0;44868
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
11; 5978.0; 29-SEP-2010 16:53:40; Dark ; 59.0; 0; ; 0.00; 0;occ; 118; 0;44869
12; 6190.4; 29-SEP-2010 16:57:13; Dark ; 53.5; 2; Alp Car ; -0.74; 7000;occ; 107; 0;44870
13; 6308.3; 29-SEP-2010 16:59:11; Dark ; 33.0; 108; Alp Col ; 2.65; 15200;occ; 66; 0;44870
14; 6934.6; 29-SEP-2010 17:09:37; Dark ; 50.5; 157; The1Eri ; 2.91; 9300;occ; 101; 0;44870
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3; 2441.5; 29-SEP-2010 17:35:20; Bright; 42.0; 58; 21Alp And ; 2.07; 11000;occ; 84; 0;44870
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
9; 5781.1; 29-SEP-2010 18:31:00; Dark ; 47.5; 88; 31Eta CMA ; 2.45; 20000;occ; 95; 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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2; 2190.0; 29-SEP-2010 19:11:45; Bright; 41.0; 140; 88Gam Peg ; 2.83; 26000;occ; 82; 0;44871
3; 2441.5; 29-SEP-2010 19:15:56; Bright; 43.0; 58; 21Alp And ; 2.07; 11000;occ; 86; 0;44871
4; 2675.7; 29-SEP-2010 19:19:50; Bright; 47.0; 53; 43Bet And ; 2.05; 3300;occ; 94; 0;44871
5; 2956.9; 29-SEP-2010 19:24:31; Bright; 40.5; 74; 11Bet Cas ; 2.27; 6600;occ; 81; 0;44871
6; 3040.2; 29-SEP-2010 19:25:55; Bright; 40.5; 76; 27Gam Cas ; 2.30; 30000;occ; 81; 0;44871
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
10; 5882.2; 29-SEP-2010 20:13:17; Dark ; 58.5; 23; 21Eps CMA ; 1.50; 26000;occ; 117; 0;44871
11; 5979.4; 29-SEP-2010 20:14:54; Dark ; 59.0; 0; ; 0.00; 0;occ; 118; 0;44871
12; 6191.8; 29-SEP-2010 20:18:26; Dark ; 59.0; 2; Alp Car ; -0.74; 7000;occ; 118; 0;44872
13; 6311.2; 29-SEP-2010 20:20:26; Dark ; 31.0; 108; Alp Col ; 2.65; 15200;occ; 62; 0;44872
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7; 1554.7; 29-SEP-2010 22:22:21; Dark ; 48.0; 52; 16Bet Cet ; 2.04; 4500;occ; 96; 0;44873
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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11; 2956.2; 29-SEP-2010 22:45:43; Bright; 39.5; 74; 11Bet Cas ; 2.27; 6600;occ; 79; 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
10; 2440.3; 30-SEP-2010 00:17:43; Bright; 39.5; 58; 21Alp And ; 2.07; 11000;occ; 79; 0;44874
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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5; 279.6; 30-SEP-2010 01:22:18; Dark ; 28.0; 108; Alp Col ; 2.65; 15200;occ; 56; 0;44875
6; 902.4; 30-SEP-2010 01:32:40; Dark ; 52.0; 157; The1Eri ; 2.91; 9300;occ; 104; 0;44875
7; 1555.0; 30-SEP-2010 01:43:33; Dark ; 51.5; 52; 16Bet Cet ; 2.04; 4500;occ; 103; 0;44875
8; 2189.1; 30-SEP-2010 01:54:07; Bright; 41.5; 140; 88Gam Peg ; 2.83; 26000;occ; 83; 0;44875
9; 2440.0; 30-SEP-2010 01:58:18; Bright; 41.5; 58; 21Alp And ; 2.07; 11000;occ; 83; 0;44875
10; 2672.5; 30-SEP-2010 02:02:11; Bright; 48.5; 53; 43Bet And ; 2.05; 3300;occ; 97; 0;44875
11; 2955.8; 30-SEP-2010 02:06:54; Bright; 38.0; 74; 11Bet Cas ; 2.27; 6600;occ; 76; 0;44875
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13; 4596.8; 30-SEP-2010 02:34:15; Bright; 59.0; 17; 78Bet Gem ; 1.16; 4500;occ; 118; 0;44875
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15; 5786.3; 30-SEP-2010 02:54:04; Dark ; 48.0; 88; 31Eta CMA ; 2.45; 20000;occ; 96; 0;44875
16; 5887.2; 30-SEP-2010 02:55:45; Dark ; 53.0; 23; 21Eps CMA ; 1.50; 26000;occ; 106; 0;44875
17; 5982.2; 30-SEP-2010 02:57:20; Dark ; 59.0; 0; ; 0.00; 0;occ; 118; 0;44875
18; 6194.8; 30-SEP-2010 03:00:53; Dark ; 45.0; 2; Alp Car ;-0.74; 7000;occ; 90; 0;44876
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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3; 4597.1; 30-SEP-2010 04:14:51; Bright; 57.0; 17; 78Bet Gem ; 1.16; 4500;occ; 114; 0;44876
4; 5574.0; 30-SEP-2010 04:31:08; Dark ; 44.5; 132; 15Rho Pup ; 2.80; 6900;occ; 89; 0;44876
5; 5787.4; 30-SEP-2010 04:34:41; Dark ; 50.5; 88; 31Eta CMA ; 2.45; 20000;occ; 101; 0;44876
6; 5983.1; 30-SEP-2010 04:37:57; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;44876
7; 6195.7; 30-SEP-2010 04:41:30; Dark ; 52.0; 2; Alp Car ;-0.74; 7000;occ; 104; 0;44877
8; 6318.9; 30-SEP-2010 04:43:33; Dark ; 26.0; 108; Alp Col ; 2.65; 15200;occ; 52; 0;44877
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
12; 8475.6; 30-SEP-2010 05:19:30; Bright; 40.5; 58; 21Alp And ; 2.07; 11000;occ; 81; 0;44877
13; 8707.0; 30-SEP-2010 05:23:21; Bright; 52.0; 53; 43Bet And ; 2.05; 3300;occ; 104; 0;44877
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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5; 76.0; 30-SEP-2010 06:20:42; Dark ; 41.5; 161; Tau Pup ; 2.93; 4500;occ; 83; 0;44878
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7; 904.6; 30-SEP-2010 06:34:30; Dark ; 50.5; 157; The1Eri ; 2.91; 9300;occ; 101; 0;44878
8; 1555.6; 30-SEP-2010 06:45:21; Dark ; 52.0; 52; 16Bet Cet ; 2.04; 4500;occ; 104; 0;44878
9; 2188.5; 30-SEP-2010 06:55:54; Bright; 40.5; 140; 88Gam Peg ; 2.83; 26000;occ; 81; 0;44878
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12; 2954.7; 30-SEP-2010 07:08:41; Bright; 37.5; 74; 11Bet Cas ; 2.27; 6600;occ; 75; 0;44878
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3; 2436.6; 30-SEP-2010 20:24:50; Bright; 39.0; 58; 21Alp And ; 2.07; 11000;occ; 78; 0;44886
4; 2664.5; 30-SEP-2010 20:28:38; Bright; 47.5; 53; 43Bet And ; 2.05; 3300;occ; 95; 0;44886
5; 2952.7; 30-SEP-2010 20:33:26; Bright; 39.0; 74; 11Bet Cas ; 2.27; 6600;occ; 78; 0;44886
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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6; 297.6; 30-SEP-2010 21:29:47; Dark ; 58.0; 108; Alp Col ; 2.65; 15200;occ; 116; 0;44887
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9; 2186.4; 30-SEP-2010 22:01:16; Bright; 39.5; 140; 88Gam Peg ; 2.83; 26000;occ; 79; 0;44887
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12; 2952.6; 30-SEP-2010 22:14:02; Bright; 39.0; 74; 11Bet Cas ; 2.27; 6600;occ; 78; 0;44887
13; 3033.6; 30-SEP-2010 22:15:23; Bright; 41.5; 76; 27Gam Cas ; 2.30; 30000;occ; 83; 0;44887
14; 4511.8; 30-SEP-2010 22:40:01; Bright; 46.0; 24; 66Alp Gem ; 1.58; 10200;occ; 92; 0;44887
15; 4599.8; 30-SEP-2010 22:41:29; Bright; 59.0; 17; 78Bet Gem ; 1.16; 4500;occ; 118; 0;44887
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6; 912.0; 30-SEP-2010 23:20:37; Dark ; 50.0; 157; The1Eri ; 2.91; 9300;occ; 100; 0;44888
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8; 2185.9; 30-SEP-2010 23:41:51; Bright; 41.0; 140; 88Gam Peg ; 2.83; 26000;occ; 82; 0;44888
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11; 2952.1; 30-SEP-2010 23:54:37; Bright; 36.0; 74; 11Bet Cas ; 2.27; 6600;occ; 72; 0;44888
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13; 4511.8; 01-OCT-2010 00:20:37; Bright; 39.0; 24; 66Alp Gem ; 1.58; 10200;occ; 78; 0;44888
14; 4600.1; 01-OCT-2010 00:22:05; Bright; 77.0; 17; 78Bet Gem ; 1.16; 4500;occ; 154; 0;44888
15; 5159.9; 01-OCT-2010 00:31:25; Dark ; 37.5; 8; 10Alp CMI ; 0.40; 6500;occ; 75; 0;44888
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3; -229.7; 30-SEP-2010 07:56:12; Dark ; 44.0; 70; Zet Pup ; 2.25; 39000;occ; 88; 0;44878
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5; -51.5; 30-SEP-2010 07:59:10; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;44878
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2; 287.2; 30-SEP-2010 09:45:25; Dark ; 59.0; 108; Alp Col ; 2.65; 15200;occ; 118; 0;44880
3; 906.2; 30-SEP-2010 09:55:44; Dark ; 50.0; 157; The1Eri ; 2.91; 9300;occ; 100; 0;44880
4; 1556.0; 30-SEP-2010 10:06:34; Dark ; 49.5; 52; 16Bet Cet ; 2.04; 4500;occ; 99; 0;44880
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2; 2438.3; 30-SEP-2010 12:01:52; Bright; 40.5; 58; 21Alp And ; 2.07; 11000;occ; 81; 0;44881

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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
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7; 4511.2; 30-SEP-2010 15:57:37; Bright; 58.0; 24; 66Alp Gem ; 1.58; 10200;occ; 116; 0;44883
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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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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
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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
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