

# GOMOS Daily Report 04-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	07SEP2010 04:48:59
Data source version	GOMOS/5.01
Start time of products	04SEP2010 00:03:29
Stop time of products	04SEP2010 23:59:48
Store outputs in DB	Yes
Nb of level 1b prods	99
Nb of prods with errors	0

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

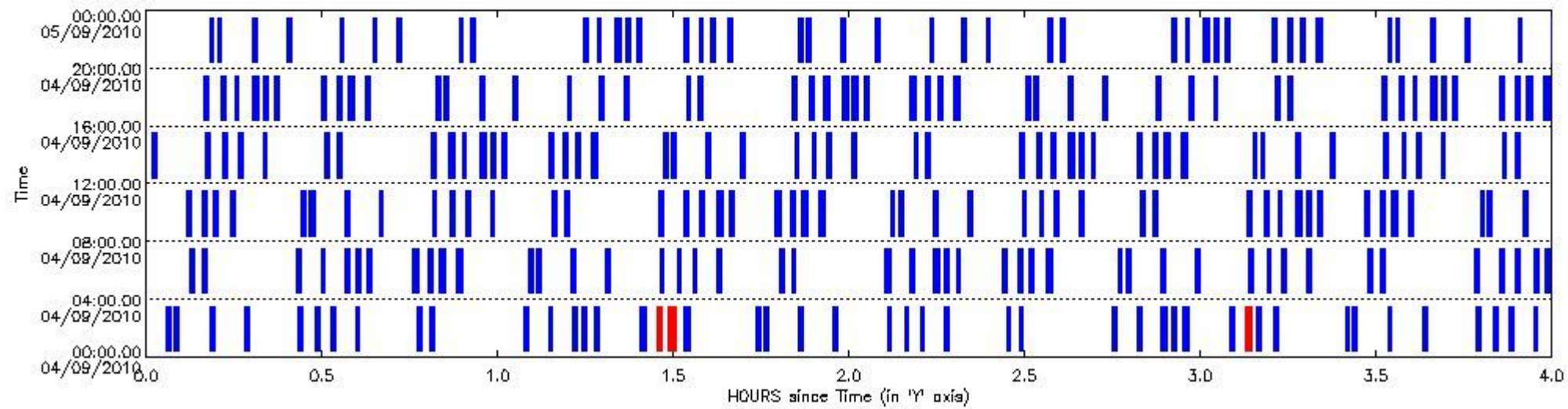
### 2.1 Level 0 products arrived in PCF (see template [here](#))

### 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
04-SEP-2010 01:27:09	21EpsCMa	23	44502
04-SEP-2010 01:29:00	11AlpLep	101	44502
04-SEP-2010 03:07:45	21EpsCMa	23	44503

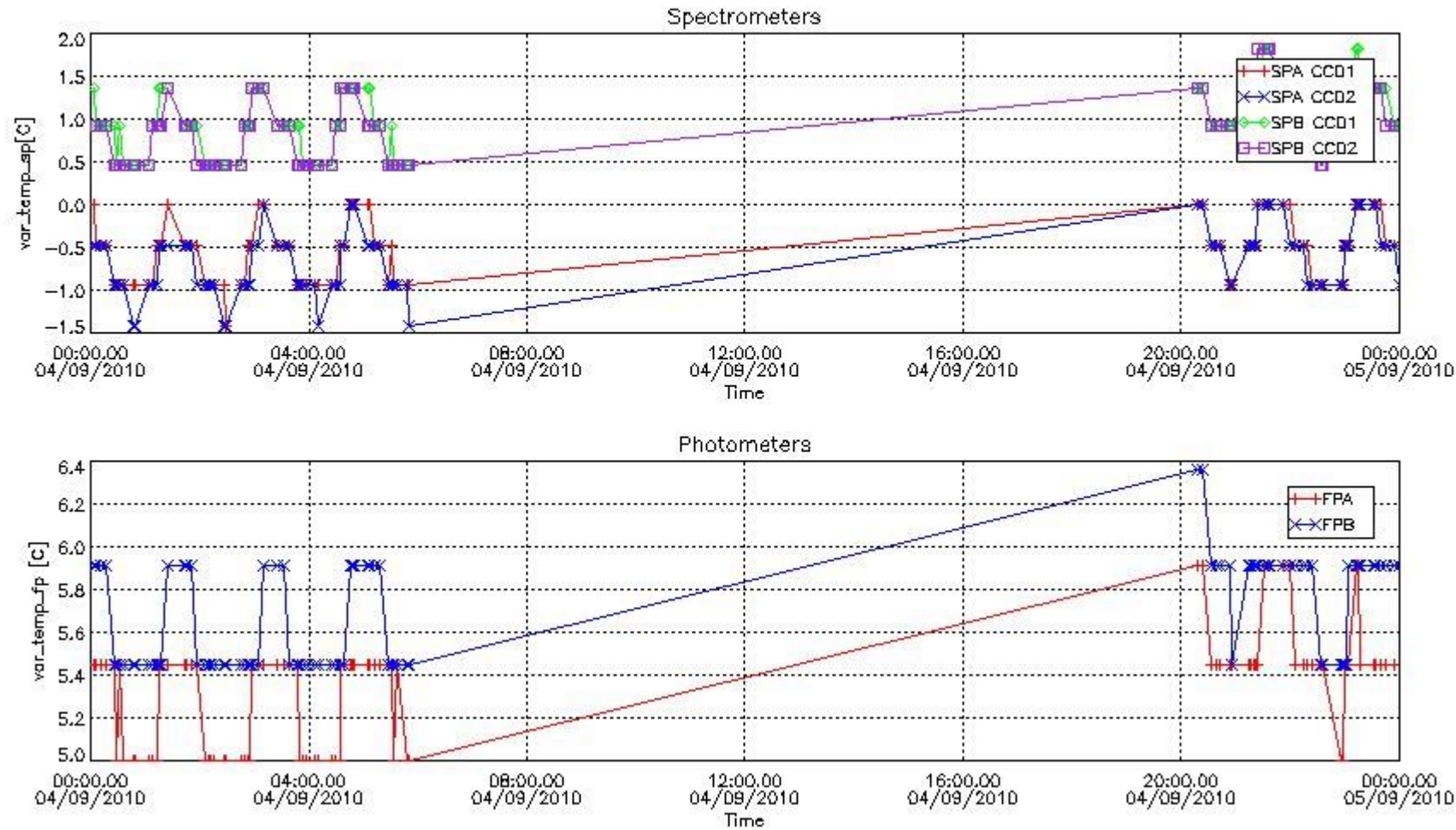
### 2.4 Summary of processed GOM\_TRA\_1P products

Nr	Filename	UTC Start time	Limb	Duration	Star Id	Star Name	Star Mag	Star Temp	Nb Meas	Orbit	Prod. error
1	GOM_TRA_1PNPDE20100904_000329_000000402092_00360_44502_0715.N1	04-SEP-2010 00:03:29	Dark	40.000	143	Alp Hyi	2.8570	7200.0	80	44502	No
2	GOM_TRA_1PNPDE20100904_000448_000000432092_00360_44502_0716.N1	04-SEP-2010 00:04:48	Dark	43.000	9	Alp Eri	0.45300	24000.	86	44502	No
3	GOM_TRA_1PNPDE20100904_001044_000000522092_00360_44502_0717.N1	04-SEP-2010 00:10:44	Straylight	52.000	84	Alp Phe	2.3970	4500.0	104	44502	No
4	GOM_TRA_1PNPDE20100904_001640_000000482092_00360_44502_0718.N1	04-SEP-2010 00:16:40	Straylight	48.000	18	24Alp PsA	1.1660	9700.0	96	44502	No
5	GOM_TRA_1PNPDE20100904_002555_000000402092_00360_44502_0719.N1	04-SEP-2010 00:25:55	Bright	39.500	162	34Alp Aqr	2.9440	5350.0	79	44502	No
6	GOM_TRA_1PNPDE20100904_002854_000000382092_00360_44502_0720.N1	04-SEP-2010 00:28:54	Bright	38.000	61	8Eps Peg	2.1000	3900.0	76	44502	No
7	GOM_TRA_1PNPDE20100904_003131_000000462092_00360_44502_0721.N1	04-SEP-2010 00:31:31	Bright	46.000	90	54Alp Peg	2.4870	11000.	92	44502	No
8	GOM_TRA_1PNPDE20100904_003544_000000442092_00360_44502_0722.N1	04-SEP-2010 00:35:44	Bright	44.000	164	44Eta Peg	2.9480	5400.0	88	44502	No

9	GOM_TRA_1PNPDE20100904_004619_000000462092_00360_44502_0723.N1	04-SEP-2010 00:46:19	Bright	45.500	74	11Bet Cas	2.2680	6600.0	91	44502	No
10	GOM_TRA_1PNPDE20100904_004824_000000472092_00360_44502_0724.N1	04-SEP-2010 00:48:24	Bright	47.000	76	27Gam Cas	2.3000	30000.	94	44502	No
11	GOM_TRA_1PNPDE20100904_010423_000000482092_00360_44502_0725.N1	04-SEP-2010 01:04:23	Bright	47.500	42	34Bet Aur	1.9000	10200.	95	44502	No
12	GOM_TRA_1PNPDE20100904_010837_000000392092_00360_44502_0726.N1	04-SEP-2010 01:08:37	Bright	39.000	24	66Alp Gem	1.5800	10200.	78	44502	No
13	GOM_TRA_1PNPDE20100904_011240_000000572092_00360_44502_0727.N1	04-SEP-2010 01:12:40	Twi_and_stray	57.000	151	13Mu Gem	2.8900	3000.0	114	44502	No
14	GOM_TRA_1PNPDE20100904_011428_000000482092_00360_44502_0728.N1	04-SEP-2010 01:14:28	Twi_and_stray	48.000	44	24Gam Gem	1.9280	11000.	96	44502	No
15	GOM_TRA_1PNPDE20100904_011628_000000502092_00360_44502_0729.N1	04-SEP-2010 01:16:28	Twilight	49.500	8	10Alp CMi	0.40000	6500.0	99	44502	No
16	GOM_TRA_1PNPDE20100904_012420_000000562092_00360_44502_0730.N1	04-SEP-2010 01:24:20	Dark	56.000	1	9Alp CMa	-1.4400	11000.	112	44502	No
17	GOM_TRA_1PNPDE20100904_014405_000000422092_00361_44503_0731.N1	04-SEP-2010 01:44:05	Dark	41.500	143	Alp Hyi	2.8570	7200.0	83	44503	No
18	GOM_TRA_1PNPDE20100904_014524_000000462092_00361_44503_0732.N1	04-SEP-2010 01:45:24	Dark	45.500	9	Alp Eri	0.45300	24000.	91	44503	No
19	GOM_TRA_1PNPDE20100904_015121_000000462092_00361_44503_0733.N1	04-SEP-2010 01:51:21	Straylight	46.000	84	Alp Phe	2.3970	4500.0	92	44503	No
20	GOM_TRA_1PNPDE20100904_015716_000000532092_00361_44503_0734.N1	04-SEP-2010 01:57:16	Straylight	52.500	18	24Alp PsA	1.1660	9700.0	105	44503	No
21	GOM_TRA_1PNPDE20100904_020631_000000402092_00361_44503_0735.N1	04-SEP-2010 02:06:31	Bright	39.500	162	34Alp Aqr	2.9440	5350.0	79	44503	No
22	GOM_TRA_1PNPDE20100904_020930_000000382092_00361_44503_0736.N1	04-SEP-2010 02:09:30	Bright	38.000	61	8Eps Peg	2.1000	3900.0	76	44503	No
23	GOM_TRA_1PNPDE20100904_021207_000000472092_00361_44503_0737.N1	04-SEP-2010 02:12:07	Bright	47.000	90	54Alp Peg	2.4870	11000.	94	44503	No
24	GOM_TRA_1PNPDE20100904_021619_000000402092_00361_44503_0738.N1	04-SEP-2010 02:16:19	Bright	40.000	164	44Eta Peg	2.9480	5400.0	80	44503	No
25	GOM_TRA_1PNPDE20100904_022654_000000432092_00361_44503_0739.N1	04-SEP-2010 02:26:54	Bright	42.500	74	11Bet Cas	2.2680	6600.0	85	44503	No
26	GOM_TRA_1PNPDE20100904_022900_000000442092_00361_44503_0740.N1	04-SEP-2010 02:29:00	Bright	44.000	76	27Gam Cas	2.3000	30000.	88	44503	No
27	GOM_TRA_1PNPDE20100904_024459_000000492092_00361_44503_0860.N1	04-SEP-2010 02:44:59	Bright	48.500	42	34Bet Aur	1.9000	10200.	97	44503	No
28	GOM_TRA_1PNPDE20100904_024914_000000412092_00361_44503_0861.N1	04-SEP-2010 02:49:14	Bright	40.500	24	66Alp Gem	1.5800	10200.	81	44503	No
29	GOM_TRA_1PNPDE20100904_025316_000000552092_00361_44503_0862.N1	04-SEP-2010 02:53:16	Twi_and_stray	54.500	151	13Mu Gem	2.8900	3000.0	109	44503	No
30	GOM_TRA_1PNPDE20100904_025505_000000512092_00361_44503_0863.N1	04-SEP-2010 02:55:05	Twi_and_stray	51.000	44	24Gam Gem	1.9280	11000.	102	44503	No
31	GOM_TRA_1PNPDE20100904_025704_000000542092_00361_44503_0864.N1	04-SEP-2010 02:57:04	Twilight	53.500	8	10Alp CMi	0.40000	6500.0	107	44503	No
32	GOM_TRA_1PNPDE20100904_030456_000000532092_00361_44503_0865.N1	04-SEP-2010 03:04:56	Dark	52.500	1	9Alp CMa	-1.4400	11000.	105	44503	No
33	GOM_TRA_1PNPDE20100904_030929_000000572092_00361_44503_0866.N1	04-SEP-2010 03:09:29	Dark	56.500	101	11Alp Lep	2.5820	7000.0	113	44503	No
34	GOM_TRA_1PNPDE20100904_032442_000000412092_00362_44504_0867.N1	04-SEP-2010 03:24:42	Dark	40.500	143	Alp Hyi	2.8570	7200.0	81	44504	No
35	GOM_TRA_1PNPDE20100904_032600_000000442092_00362_44504_0868.N1	04-SEP-2010 03:26:00	Dark	44.000	9	Alp Eri	0.45300	24000.	88	44504	No
36	GOM_TRA_1PNPDE20100904_033157_000000472092_00362_44504_0869.N1	04-SEP-2010 03:31:57	Straylight	46.500	84	Alp Phe	2.3970	4500.0	93	44504	No
37	GOM_TRA_1PNPDE20100904_033752_000000462092_00362_44504_0870.N1	04-SEP-2010 03:37:52	Straylight	45.500	18	24Alp PsA	1.1660	9700.0	91	44504	No
38	GOM_TRA_1PNPDE20100904_034707_000000402092_00362_44504_0871.N1	04-SEP-2010 03:47:07	Bright	40.000	162	34Alp Aqr	2.9440	5350.0	80	44504	No
39	GOM_TRA_1PNPDE20100904_035006_000000412092_00362_44504_0872.N1	04-SEP-2010 03:50:06	Bright	40.500	61	8Eps Peg	2.1000	3900.0	81	44504	No
40	GOM_TRA_1PNPDE20100904_035242_000000462092_00362_44504_0873.N1	04-SEP-2010 03:52:42	Bright	45.500	90	54Alp Peg	2.4870	11000.	91	44504	No
41	GOM_TRA_1PNPDE20100904_035655_000000442092_00362_44504_0874.N1	04-SEP-2010 03:56:55	Bright	43.500	164	44Eta Peg	2.9480	5400.0	87	44504	No
42	GOM_TRA_1PNPDE20100904_040730_000000412092_00362_44504_0875.N1	04-SEP-2010 04:07:30	Bright	41.000	74	11Bet Cas	2.2680	6600.0	82	44504	No
43	GOM_TRA_1PNPDE20100904_040935_000000452092_00362_44504_0876.N1	04-SEP-2010 04:09:35	Bright	45.000	76	27Gam Cas	2.3000	30000.	90	44504	No
44	GOM_TRA_1PNPDE20100904_042534_000000482092_00362_44504_0889.N1	04-SEP-2010 04:25:34	Bright	47.500	42	34Bet Aur	1.9000	10200.	95	44504	No
45	GOM_TRA_1PNPDE20100904_042950_000000382092_00362_44504_0890.N1	04-SEP-2010 04:29:50	Bright	37.500	24	66Alp Gem	1.5800	10200.	75	44504	No
46	GOM_TRA_1PNPDE20100904_043353_000000582092_00362_44504_0891.N1	04-SEP-2010 04:33:53	Twi_and_stray	57.500	151	13Mu Gem	2.8900	3000.0	115	44504	No
47	GOM_TRA_1PNPDE20100904_043541_000000522092_00362_44504_0892.N1	04-SEP-2010 04:35:41	Twi_and_stray	52.000	44	24Gam Gem	1.9280	11000.	104	44504	No
48	GOM_TRA_1PNPDE20100904_043740_000000522092_00362_44504_0893.N1	04-SEP-2010 04:37:40	Twilight	51.500	8	10Alp CMi	0.40000	6500.0	103	44504	No
49	GOM_TRA_1PNPDE20100904_044533_000000502092_00362_44504_0894.N1	04-SEP-2010 04:45:33	Dark	49.500	1	9Alp CMa	-1.4400	11000.	99	44504	No
50	GOM_TRA_1PNPDE20100904_044814_000000462092_00362_44504_0895.N1	04-SEP-2010 04:48:14	Dark	45.500	23	21Eps CMa	1.5020	26000.	91	44504	No
51	GOM_TRA_1PNPDE20100904_045006_000000642092_00362_44504_0896.N1	04-SEP-2010 04:50:06	Dark	63.500	101	11Alp Lep	2.5820	7000.0	127	44504	No
52	GOM_TRA_1PNPDE20100904_050518_000000392092_00363_44505_0897.N1	04-SEP-2010 05:05:18	Dark	39.000	143	Alp Hyi	2.8570	7200.0	78	44505	No
53	GOM_TRA_1PNPDE20100904_050637_000000452092_00363_44505_0898.N1	04-SEP-2010 05:06:37	Dark	45.000	9	Alp Eri	0.45300	24000.	90	44505	No
54	GOM_TRA_1PNPDE20100904_051234_000000512092_00363_44505_0899.N1	04-SEP-2010 05:12:34	Straylight	50.500	84	Alp Phe	2.3970	4500.0	101	44505	No
55	GOM_TRA_1PNPDE20100904_051828_000000472092_00363_44505_0900.N1	04-SEP-2010 05:18:28	Straylight	47.000	18	24Alp PsA	1.1660	9700.0	94	44505	No
56	GOM_TRA_1PNPDE20100904_052743_000000392092_00363_44505_0901.N1	04-SEP-2010 05:27:43	Bright	39.000	162	34Alp Aqr	2.9440	5350.0	78	44505	No
57	GOM_TRA_1PNPDE20100904_053042_000000382092_00363_44505_0902.N1	04-SEP-2010 05:30:42	Bright	38.000	61	8Eps Peg	2.1000	3900.0	76	44505	No
58	GOM_TRA_1PNPDE20100904_053318_000000452092_00363_44505_0903.N1	04-SEP-2010 05:33:18	Bright	45.000	90	54Alp Peg	2.4870	11000.	90	44505	No
59	GOM_TRA_1PNPDE20100904_053730_000000422092_00363_44505_0904.N1	04-SEP-2010 05:37:30	Bright	42.000	164	44Eta Peg	2.9480	5400.0	84	44505	No
60	GOM_TRA_1PNPDE20100904_054805_000000452092_00363_44505_0905.N1	04-SEP-2010 05:48:05	Bright	44.500	74	11Bet Cas	2.2680	6600.0	89	44505	No
61	GOM_TRA_1PNPDE20100904_055010_000000462092_00363_44505_0906.N1	04-SEP-2010 05:50:10	Bright	45.500	76	27Gam Cas	2.3000	30000.	91	44505	No
62	GOM_TRA_1PNPDE20100904_201802_000000482092_00372_44514_0977.N1	04-SEP-2010 20:18:02	Straylight	47.500	84	Alp Phe	2.3970	4500.0	95	44514	No
63	GOM_TRA_1PNPDE20100904_202354_000000482092_00372_44514_0978.N1	04-SEP-2010 20:23:54	Straylight	48.000	18	24Alp PsA	1.1660	9700.0	96	44514	No
64	GOM_TRA_1PNPDE20100904_203306_000000392092_00372_44514_0979.N1	04-SEP-2010 20:33:06	Bright	38.500	162	34Alp Aqr	2.9440	5350.0	77	44514	No
65	GOM_TRA_1PNPDE20100904_203837_000000462092_00372_44514_0980.N1	04-SEP-2010 20:38:37	Bright	45.500	90	54Alp Peg	2.4870	11000.	91	44514	No
66	GOM_TRA_1PNPDE20100904_204250_000000432092_00372_44514_0981.N1	04-SEP-2010 20:42:50	Bright	43.000	164	44Eta Peg	2.9480	5400.0	86	44514	No
67	GOM_TRA_1PNPDE20100904_205323_000000452092_00372_44514_0982.N1	04-SEP-2010 20:53:23	Bright	45.000	74	11Bet Cas	2.2680	6600.0	90	44514	No

68	GOM_TRA_1PNPDE20100904_205527_000000472092_00372_44514_0983.N1	04-SEP-2010 20:55:27	Bright	46.500	76	27Gam Cas	2.3000	30000.	93	44514	No
69	GOM_TRA_1PNPDE20100904_211430_000000532092_00372_44514_0984.N1	04-SEP-2010 21:14:30	Bright	52.500	107	37The Aur	2.6490	11000.	105	44514	No
70	GOM_TRA_1PNPDE20100904_211654_000000402092_00372_44514_0985.N1	04-SEP-2010 21:16:54	Bright	39.500	17	78Bet Gem	1.1610	4500.0	79	44514	No
71	GOM_TRA_1PNPDE20100904_211956_000000662092_00372_44514_0986.N1	04-SEP-2010 21:19:56	Twilight	65.500	151	13Mu Gem	2.8900	3000.0	131	44514	No
72	GOM_TRA_1PNPDE20100904_212145_000000552092_00372_44514_0987.N1	04-SEP-2010 21:21:45	Twilight	54.500	44	24Gam Gem	1.9280	11000.	109	44514	No
73	GOM_TRA_1PNPDE20100904_212343_000000442092_00372_44514_0988.N1	04-SEP-2010 21:23:43	Twilight	44.000	8	10Alp CMi	0.40000	6500.0	88	44514	No
74	GOM_TRA_1PNPDE20100904_213139_000000512092_00372_44514_1003.N1	04-SEP-2010 21:31:39	Dark	51.000	1	9Alp CMa	-1.4400	11000.	102	44514	No
75	GOM_TRA_1PNPDE20100904_213419_000000452092_00372_44514_1004.N1	04-SEP-2010 21:34:19	Dark	45.000	23	21Eps CMa	1.5020	26000.	90	44514	No
76	GOM_TRA_1PNPDE20100904_213620_000000552092_00372_44514_1005.N1	04-SEP-2010 21:36:20	Dark	55.000	101	11Alp Lep	2.5820	7000.0	110	44514	No
77	GOM_TRA_1PNPDE20100904_215123_000000412092_00373_44515_1006.N1	04-SEP-2010 21:51:23	Dark	40.500	143	Alp Hyi	2.8570	7200.0	81	44515	No
78	GOM_TRA_1PNPDE20100904_215243_000000482092_00373_44515_1007.N1	04-SEP-2010 21:52:43	Dark	48.000	9	Alp Eri	0.45300	24000.	96	44515	No
79	GOM_TRA_1PNPDE20100904_215838_000000492092_00373_44515_1008.N1	04-SEP-2010 21:58:38	Straylight	49.000	84	Alp Phe	2.3970	4500.0	98	44515	No
80	GOM_TRA_1PNPDE20100904_220430_000000482092_00373_44515_1009.N1	04-SEP-2010 22:04:30	Straylight	48.000	18	24Alp PsA	1.1660	9700.0	96	44515	No
81	GOM_TRA_1PNPDE20100904_221342_000000402092_00373_44515_1010.N1	04-SEP-2010 22:13:42	Bright	40.000	162	34Alp Aqr	2.9440	5350.0	80	44515	No
82	GOM_TRA_1PNPDE20100904_221912_000000452092_00373_44515_1011.N1	04-SEP-2010 22:19:12	Bright	45.000	90	54Alp Peg	2.4870	11000.	90	44515	No
83	GOM_TRA_1PNPDE20100904_222325_000000412092_00373_44515_1012.N1	04-SEP-2010 22:23:25	Bright	41.000	164	44Eta Peg	2.9480	5400.0	82	44515	No
84	GOM_TRA_1PNPDE20100904_223358_000000452092_00373_44515_1013.N1	04-SEP-2010 22:33:58	Bright	45.000	74	11Bet Cas	2.2680	6600.0	90	44515	No
85	GOM_TRA_1PNPDE20100904_223602_000000452092_00373_44515_1014.N1	04-SEP-2010 22:36:02	Bright	45.000	76	27Gam Cas	2.3000	30000.	90	44515	No
86	GOM_TRA_1PNPDE20100904_225506_000000482092_00373_44515_1015.N1	04-SEP-2010 22:55:06	Bright	48.000	107	37The Aur	2.6490	11000.	96	44515	No
87	GOM_TRA_1PNPDE20100904_225731_000000402092_00373_44515_1016.N1	04-SEP-2010 22:57:31	Bright	39.500	17	78Bet Gem	1.1610	4500.0	79	44515	No
88	GOM_TRA_1PNPDE20100904_230032_000000612092_00373_44515_1017.N1	04-SEP-2010 23:00:32	Twilight	60.500	151	13Mu Gem	2.8900	3000.0	121	44515	No
89	GOM_TRA_1PNPDE20100904_230221_000000522092_00373_44515_1018.N1	04-SEP-2010 23:02:21	Twilight	52.000	44	24Gam Gem	1.9280	11000.	104	44515	No
90	GOM_TRA_1PNPDE20100904_230419_000000462092_00373_44515_1019.N1	04-SEP-2010 23:04:19	Twilight	45.500	8	10Alp CMi	0.40000	6500.0	91	44515	No
91	GOM_TRA_1PNPDE20100904_231216_000000532092_00373_44515_1021.N1	04-SEP-2010 23:12:16	Dark	53.000	1	9Alp CMa	-1.4400	11000.	106	44515	No
92	GOM_TRA_1PNPDE20100904_231456_000000482092_00373_44515_1022.N1	04-SEP-2010 23:14:56	Dark	47.500	23	21Eps CMa	1.5020	26000.	95	44515	No
93	GOM_TRA_1PNPDE20100904_231656_000000592092_00373_44515_1023.N1	04-SEP-2010 23:16:56	Dark	59.000	101	11Alp Lep	2.5820	7000.0	118	44515	No
94	GOM_TRA_1PNPDE20100904_233159_000000412092_00374_44516_1024.N1	04-SEP-2010 23:31:59	Dark	40.500	143	Alp Hyi	2.8570	7200.0	81	44516	No
95	GOM_TRA_1PNPDE20100904_233319_000000432092_00374_44516_1025.N1	04-SEP-2010 23:33:19	Dark	43.000	9	Alp Eri	0.45300	24000.	86	44516	No
96	GOM_TRA_1PNPDE20100904_233915_000000512092_00374_44516_1026.N1	04-SEP-2010 23:39:15	Straylight	51.000	84	Alp Phe	2.3970	4500.0	102	44516	No
97	GOM_TRA_1PNPDE20100904_234506_000000492092_00374_44516_1027.N1	04-SEP-2010 23:45:06	Straylight	48.500	18	24Alp PsA	1.1660	9700.0	97	44516	No
98	GOM_TRA_1PNPDE20100904_235418_000000402092_00374_44516_1028.N1	04-SEP-2010 23:54:18	Bright	39.500	162	34Alp Aqr	2.9440	5350.0	79	44516	No
99	GOM_TRA_1PNPDE20100904_235948_000000472092_00374_44516_1029.N1	04-SEP-2010 23:59:48	Bright	47.000	90	54Alp Peg	2.4870	11000.	94	44516	No

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



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

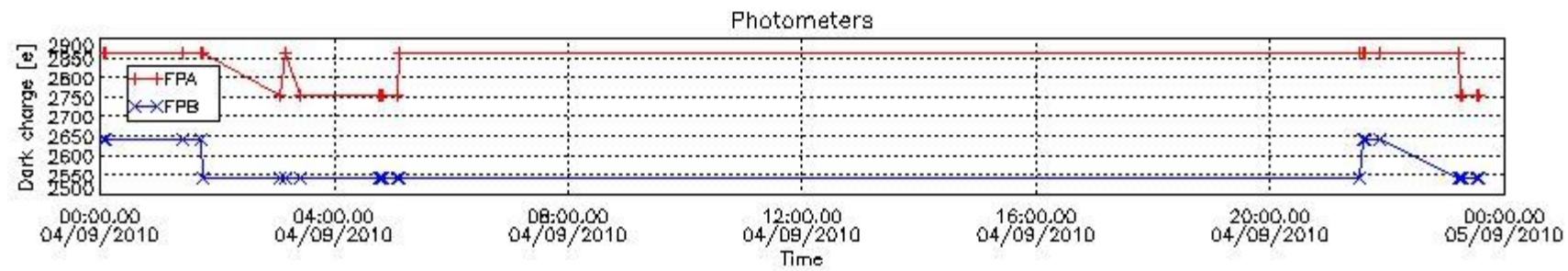
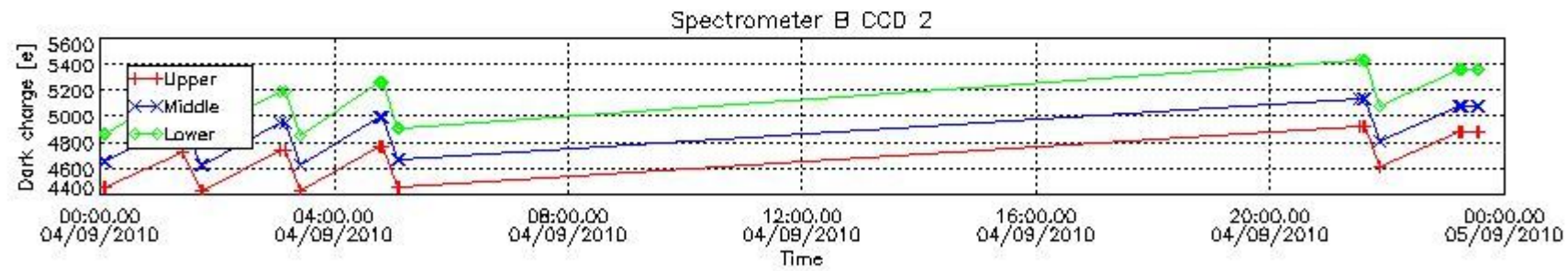
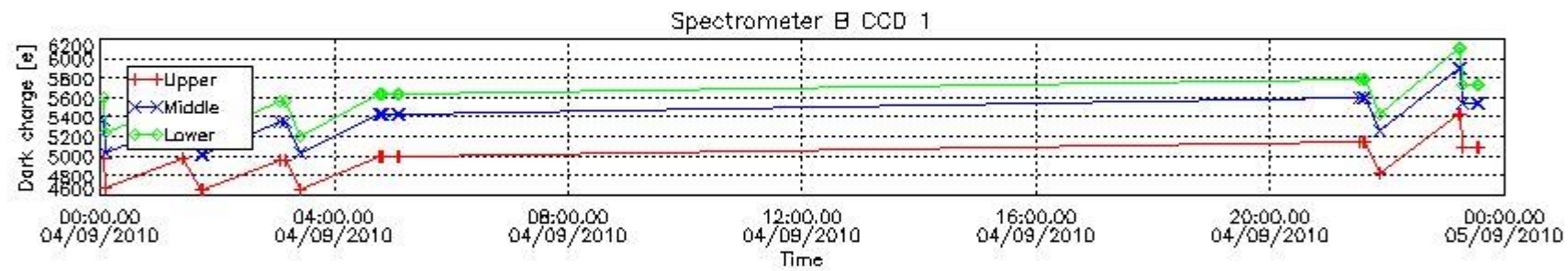
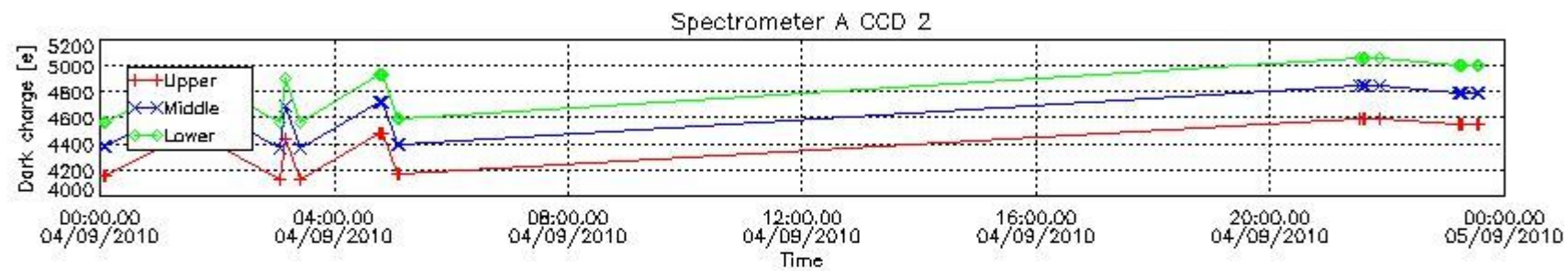
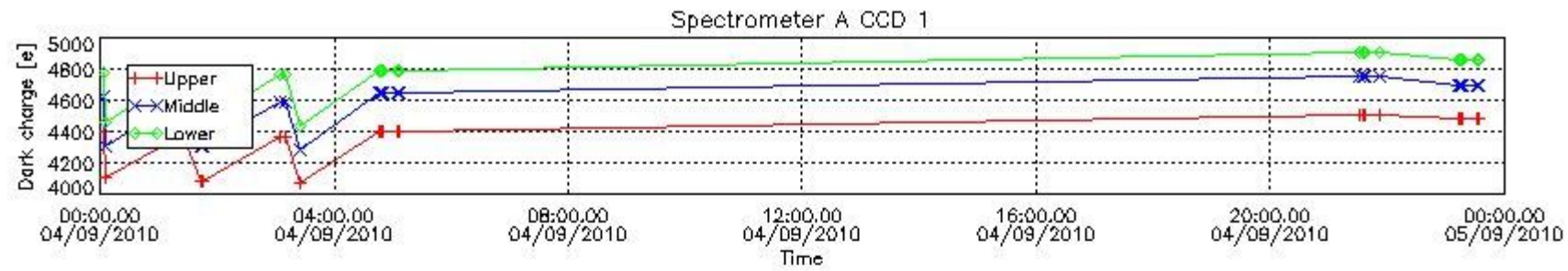
The Dark Charge (DC) is a temperature-dependant signal added to the useful measurements and it is therefore subtracted from them during the processing. There are two phenomena that produce a continuous increase of the DC: the "hot pixels" (a pixel is "hot" when its DC exceeds by a significant amount 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_1PNPDE20100904_201802_000000482092_00372_44514_0977.N1	DC map used
GOM_TRA_1PNPDE20100904_202354_000000482092_00372_44514_0978.N1	DC map used
GOM_TRA_1PNPDE20100904_203306_000000392092_00372_44514_0979.N1	DC map used
GOM_TRA_1PNPDE20100904_203837_000000462092_00372_44514_0980.N1	DC map used
GOM_TRA_1PNPDE20100904_204250_000000432092_00372_44514_0981.N1	DC map used
GOM_TRA_1PNPDE20100904_205323_000000452092_00372_44514_0982.N1	DC map used
GOM_TRA_1PNPDE20100904_205527_000000472092_00372_44514_0983.N1	DC map used
GOM_TRA_1PNPDE20100904_211430_000000532092_00372_44514_0984.N1	DC map used
GOM_TRA_1PNPDE20100904_211654_000000402092_00372_44514_0985.N1	DC map used
GOM_TRA_1PNPDE20100904_211956_000000662092_00372_44514_0986.N1	DC map used
GOM_TRA_1PNPDE20100904_212145_000000552092_00372_44514_0987.N1	DC map used
GOM_TRA_1PNPDE20100904_212343_000000442092_00372_44514_0988.N1	DC map used

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



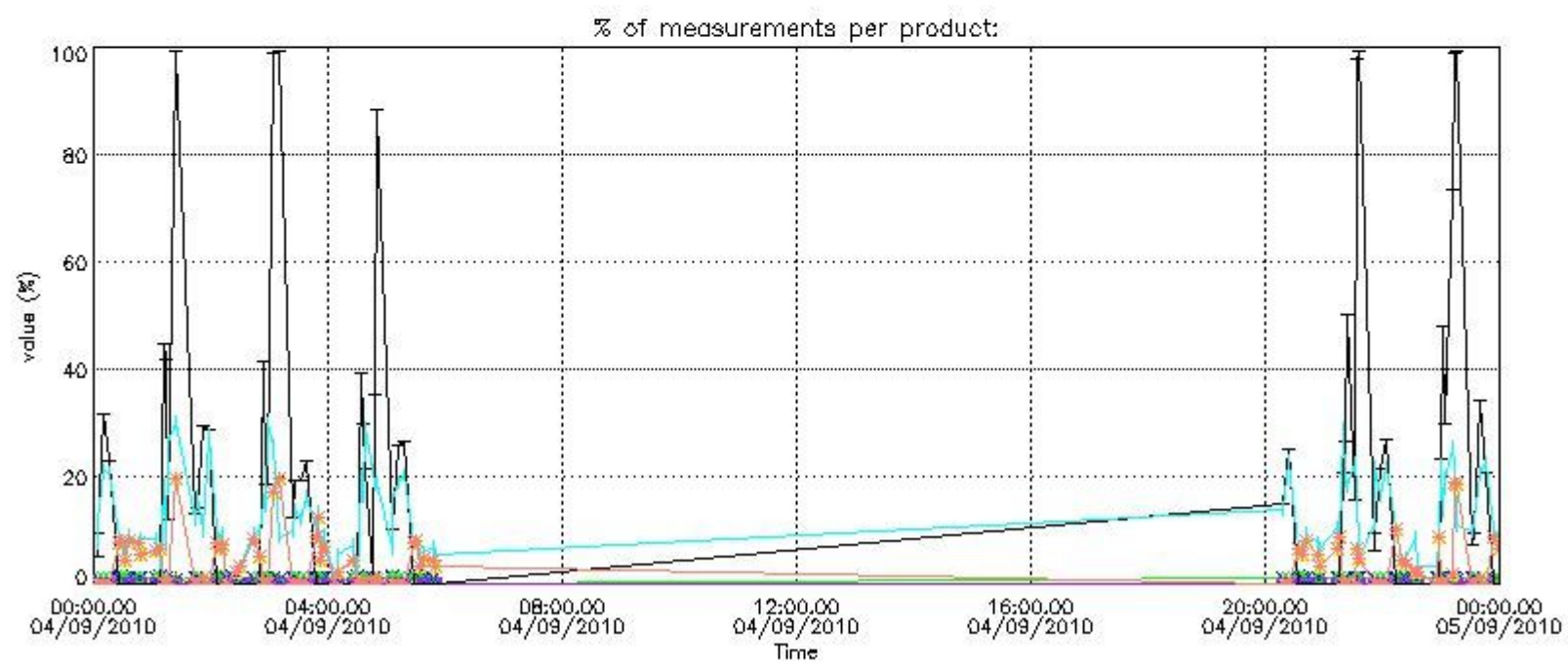
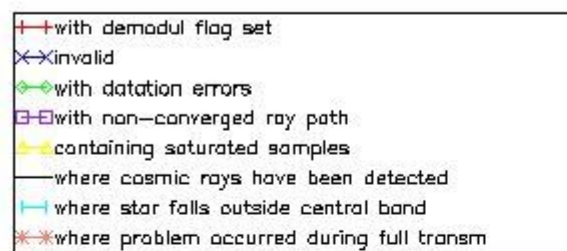
## 5. Demodulation flag and quality information monitoring

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.

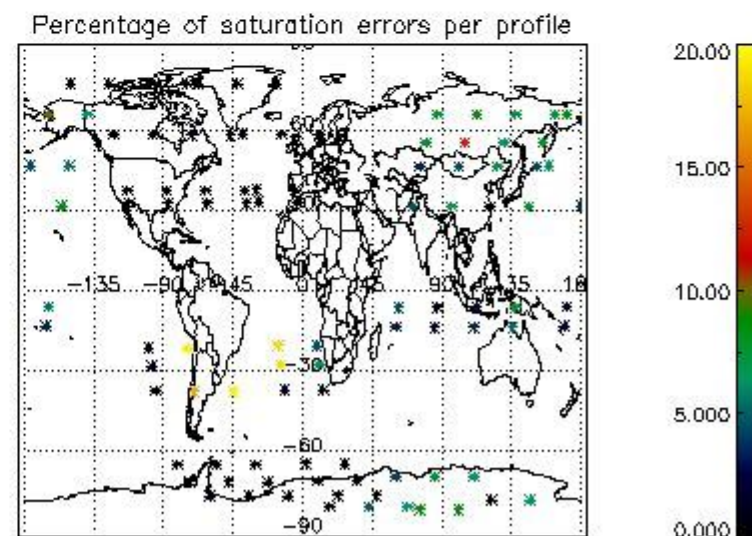
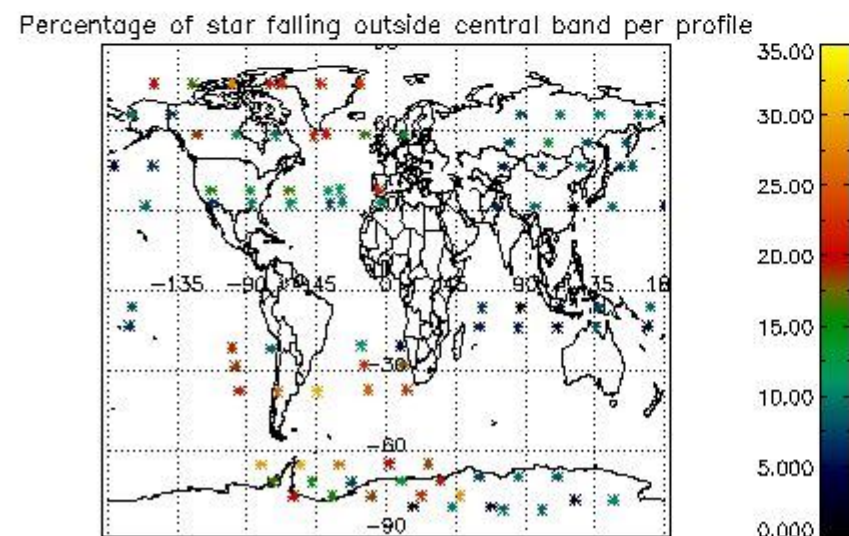
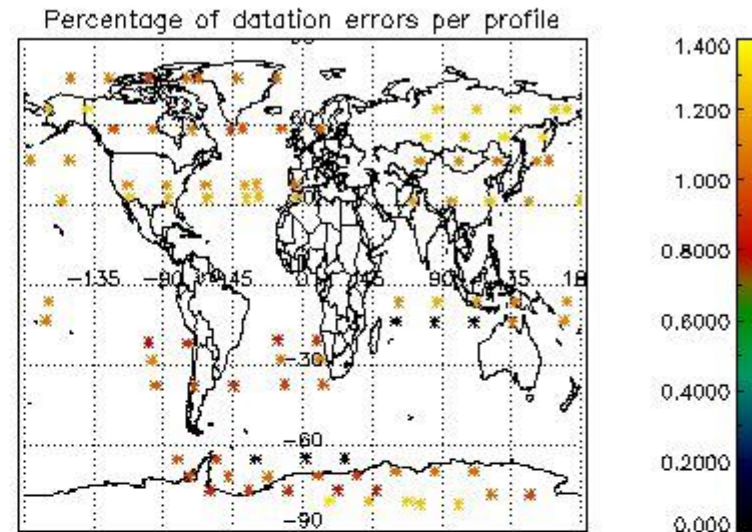
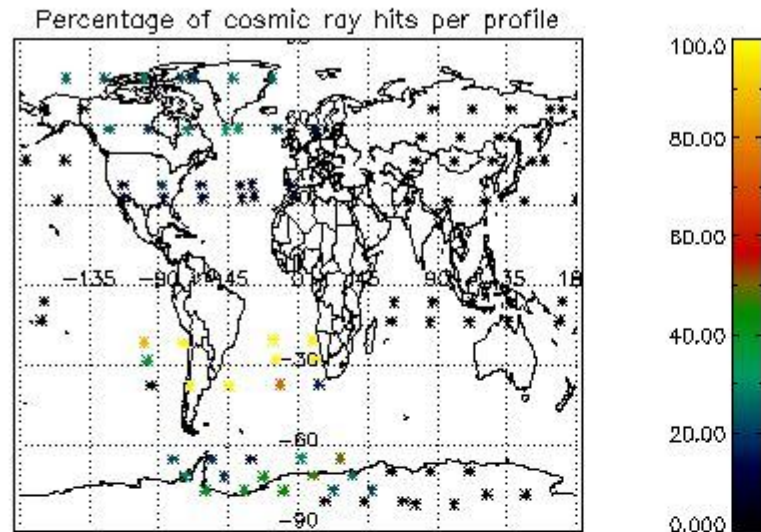
### 5.1 Percentage of products during reporting period with:

At least one measurement with demodulation flag set:	46.4646 %
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)

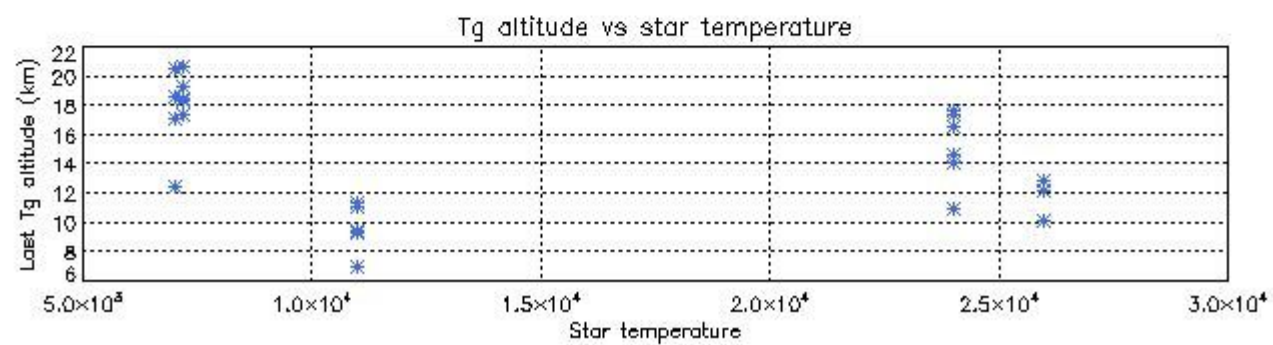
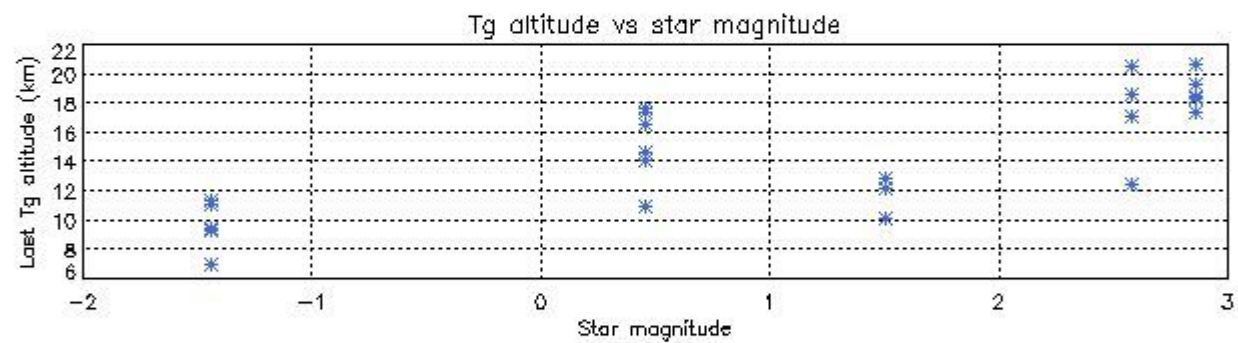
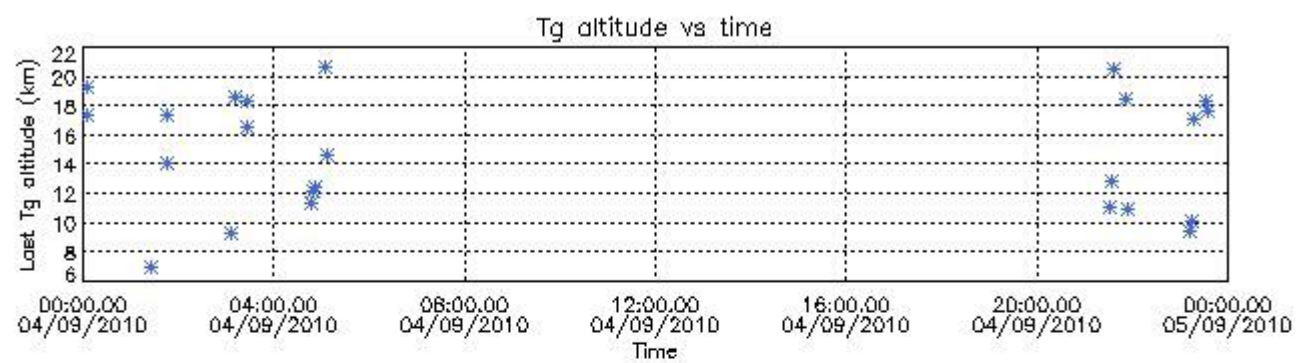
### 6.1 Statistics on tangent altitude lost:

Statistics	DARK	BRIGHT	TWILIGHT
Mean:	14.795	19.985	9.1066
St. deviation:	4.0070	2.4510	3.1376
Maximum:	20.622	26.813	12.967
Minimum:	6.9069	15.065	5.7310
Number of data:	24.000	46.000	5.0000

### 6.2 Plot for DARK limb products

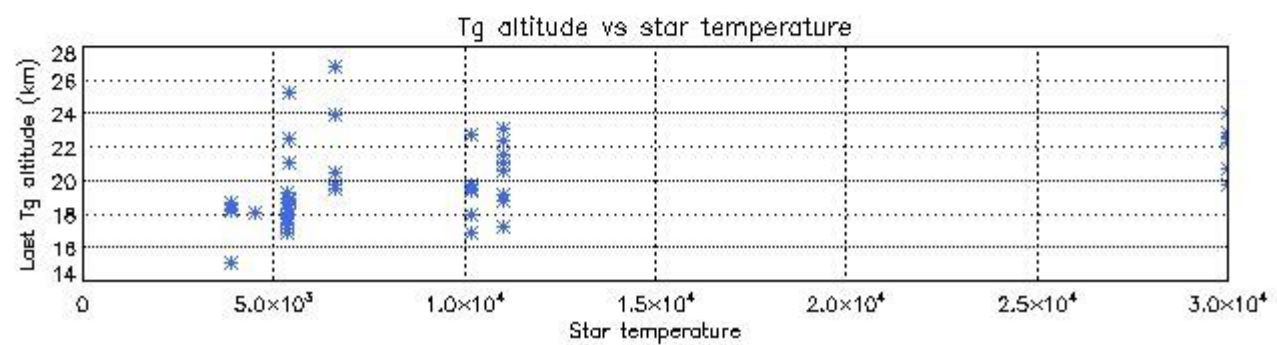
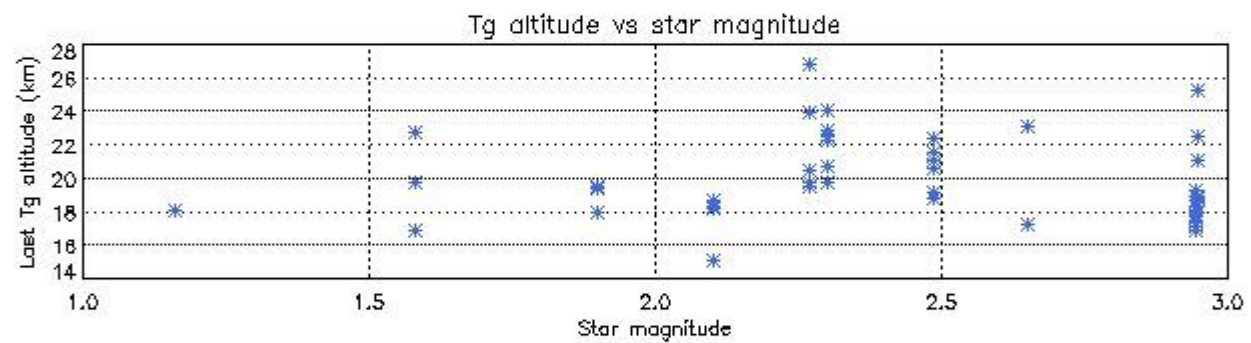
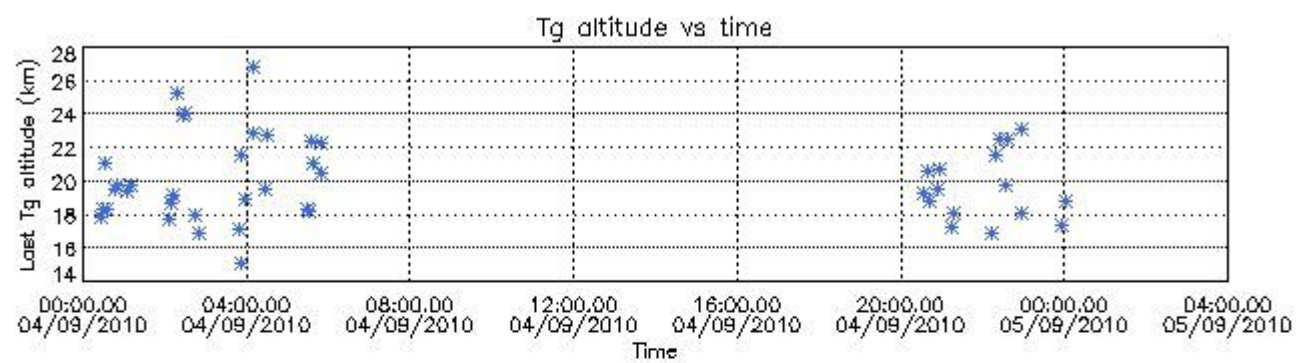


Tangent altitude at which the star is lost



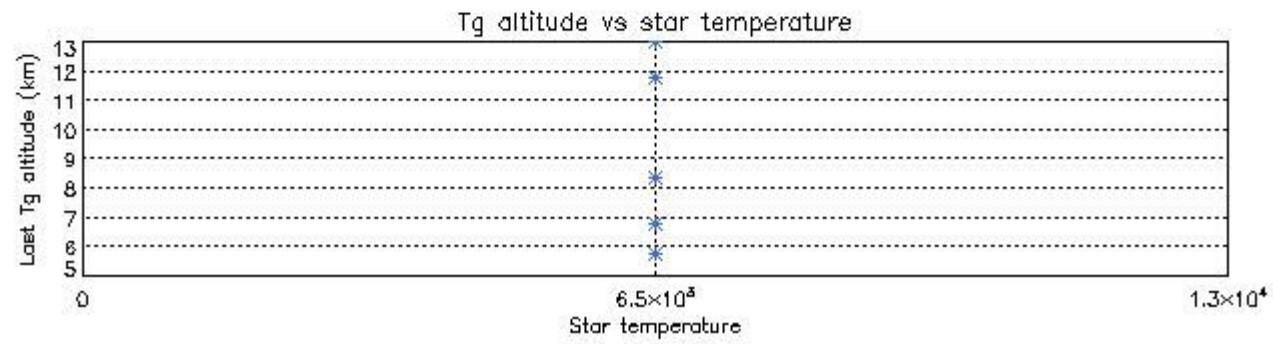
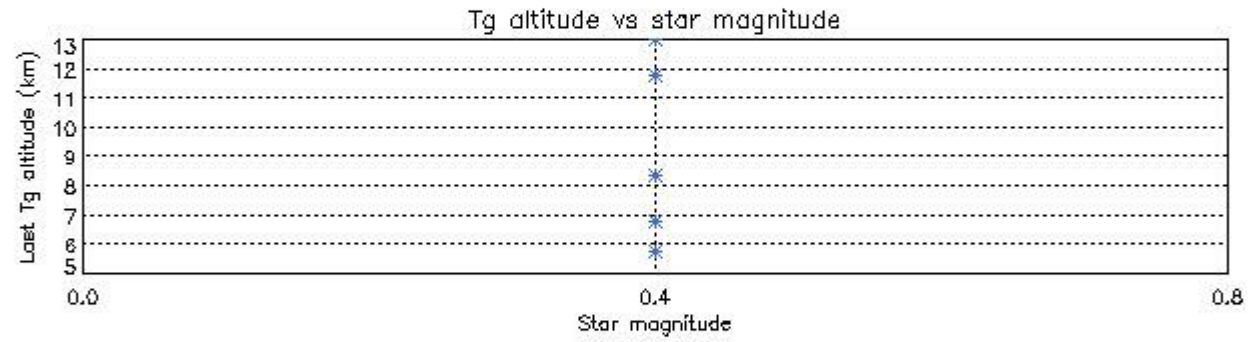
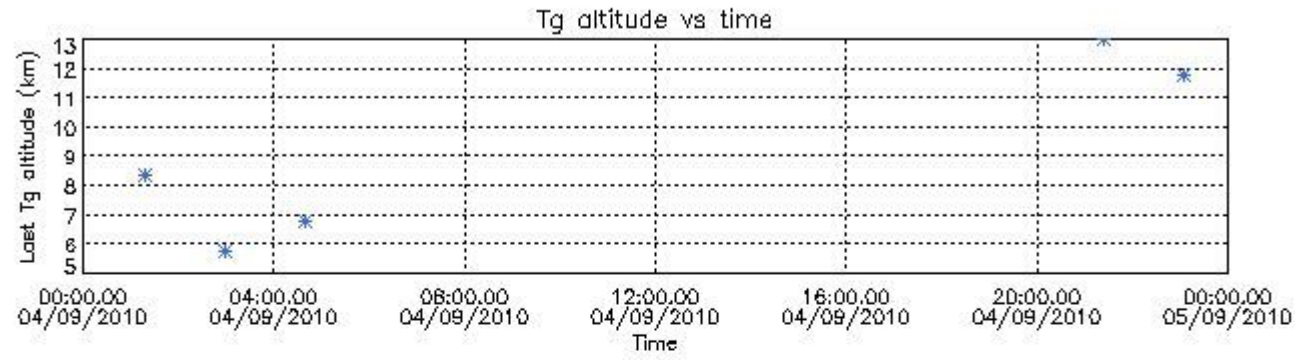
6.3 Plot for BRIGHT limb products

Tangent altitude at which the star is lost



6.3 Plot for TWILIGHT limb products

## Tangent altitude at which the star is lost

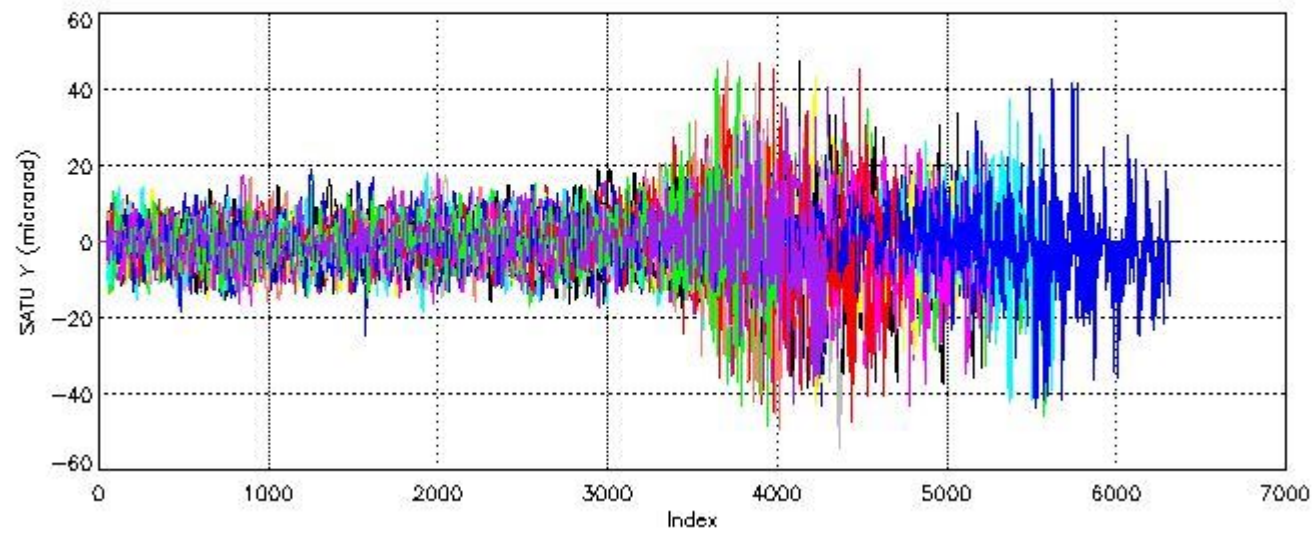
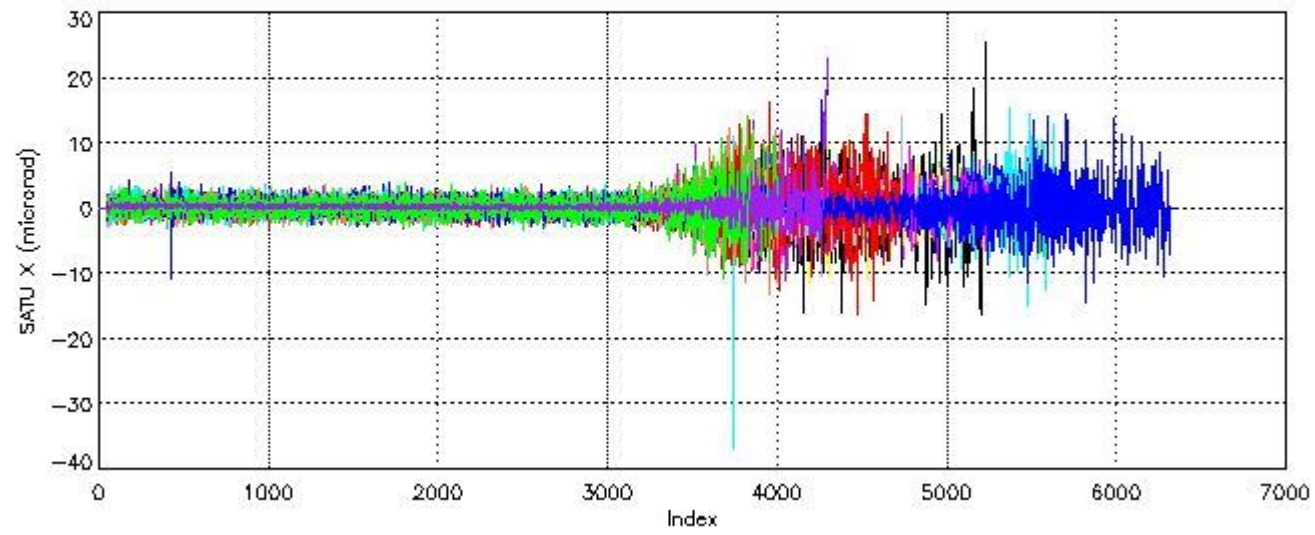


## 7. Star Acquisition and Tracking Unit (SATU)

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

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

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



## 7.2 Statistics on SATU Noise Equivalent Angle (NEA) for DARK (D) and BRIGHT (B) products above 105 kms

The Star Acquisition and Tracking Unit (it is the CCD that tracks the star while it is occulted) Noise Equivalent Angle consists of the statistical angular variation of the SATU data above the atmosphere.

Statistics (in microradians) above 105 km are computed for every occultation, giving four values per occultation: one in the 'X' direction and one in the 'Y' direction for dark and bright limbs. A mean value per day in every direction and limb is calculated and monitored in order to assess instrument performance in terms of star pointing.

### 7.2.1 SATU NEA Statistics (table)

Statistics	SATU X (D)	SATU Y (D)	SATU X (B)	SATU Y (B)
Mean:	0.17776	-0.67959	0.25303	-0.55439
St. deviation:	0.55718	4.6282	0.81854	4.6300
Maximum:	5.3000	19.200	4.6000	18.400
Minimum:	-10.900	-18.200	-4.5000	-20.200

Number of data:	24550.	24550.	47100.	47100.
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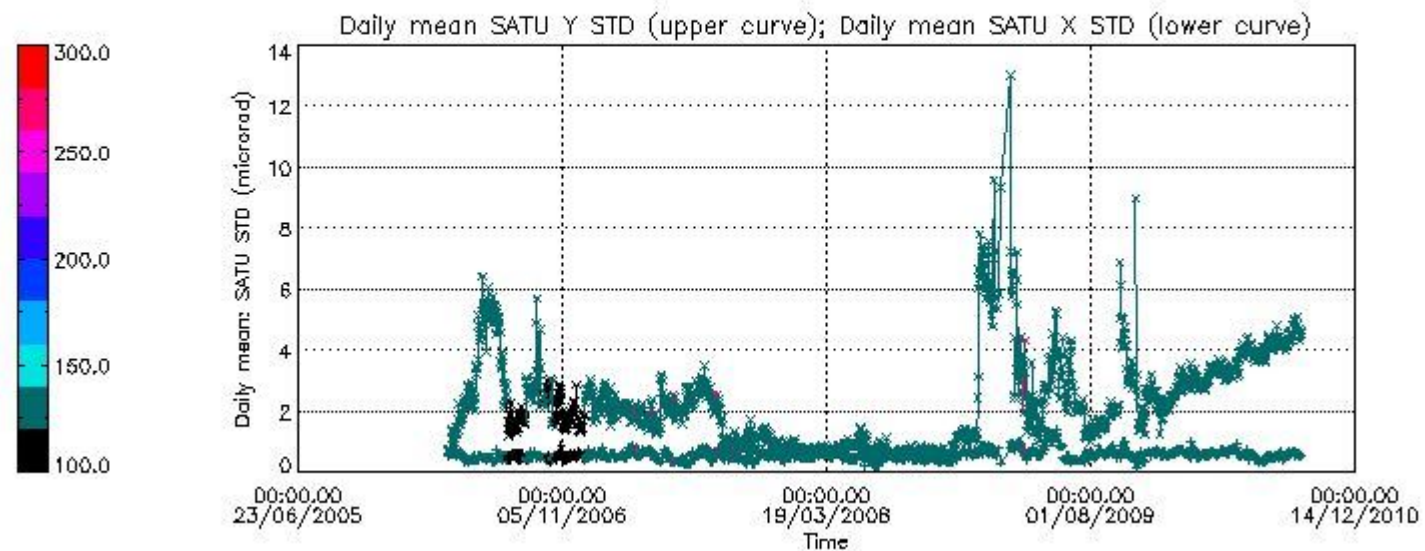
### 7.2.2 Trend of daily SATU NEA St. deviation since 1st April 2006 (dark limb)

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

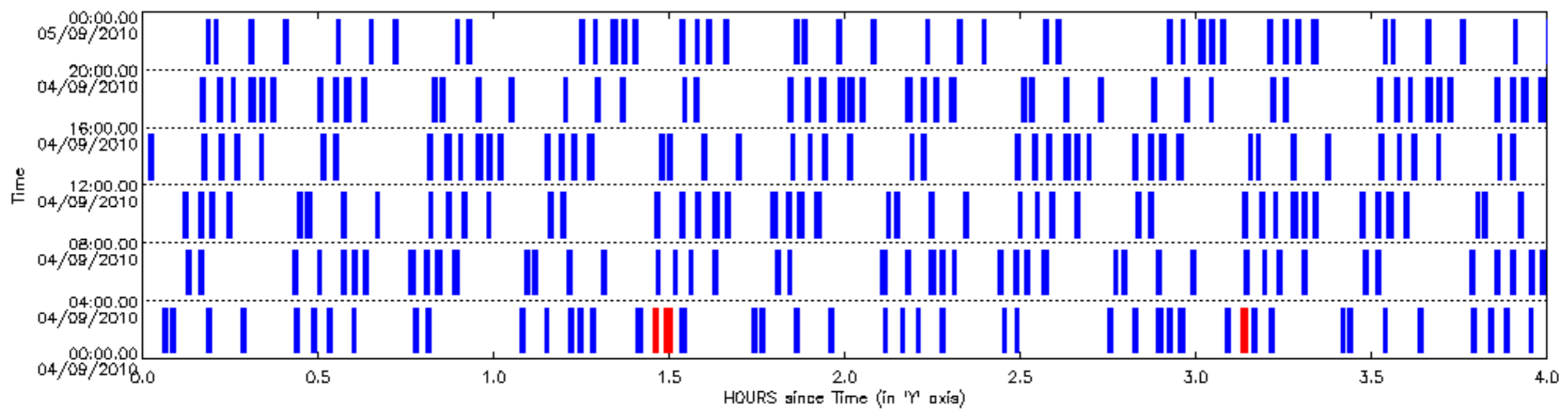
Lower curve: STD of SATU X axis

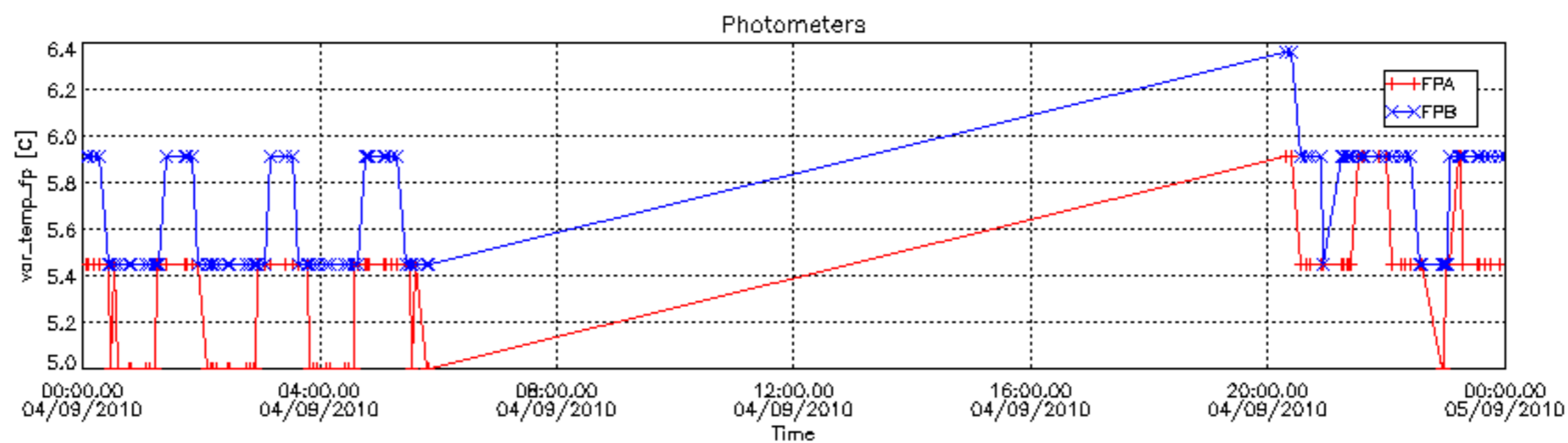
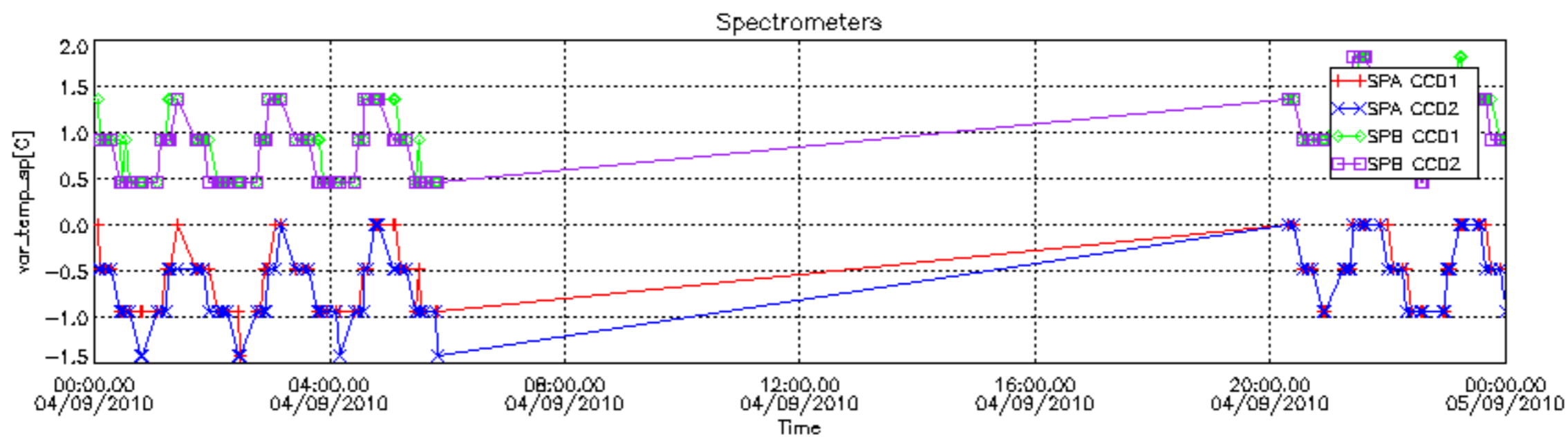


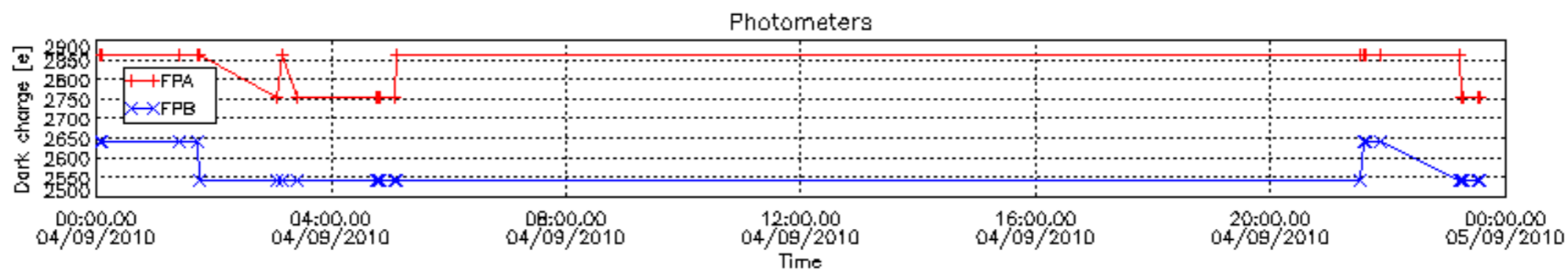
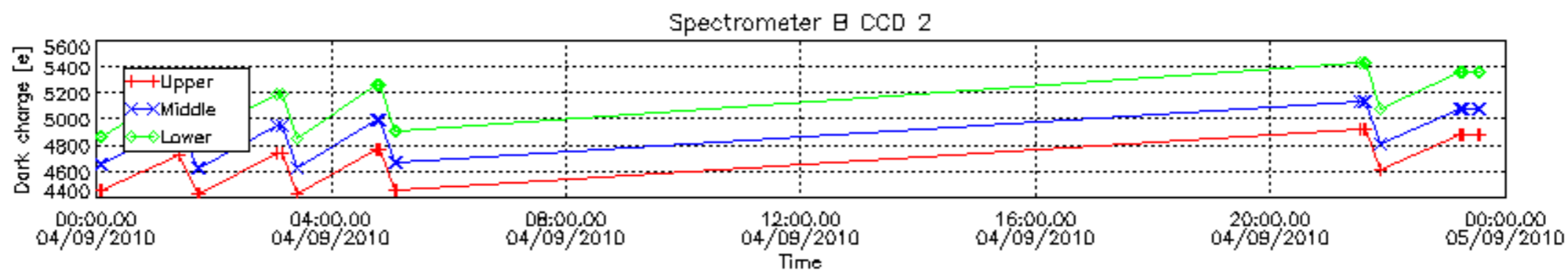
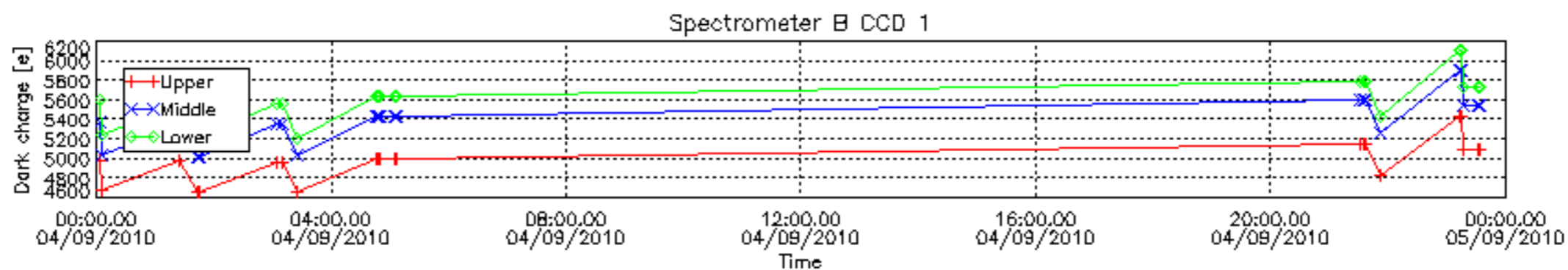
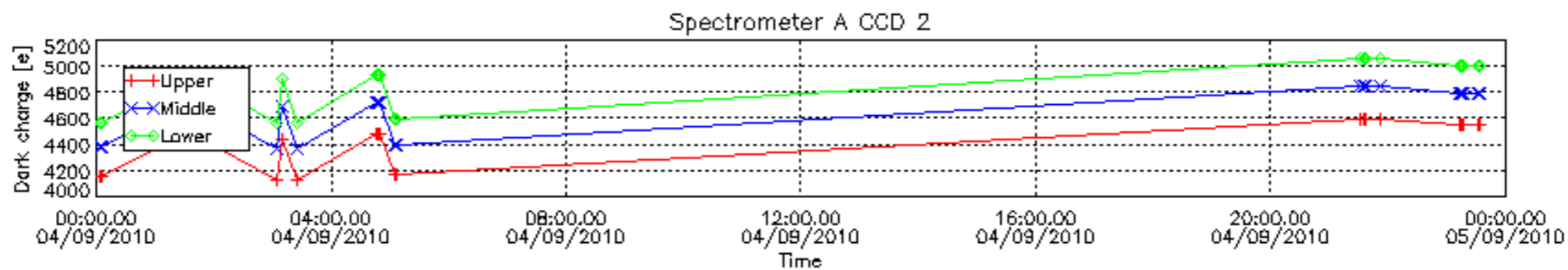
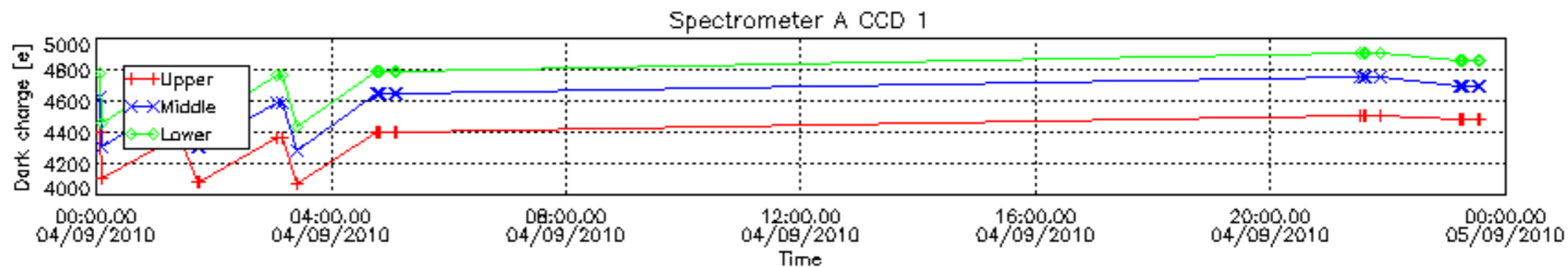
### 8. Auxiliary Data Files used for the production reported in section 2.4

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.

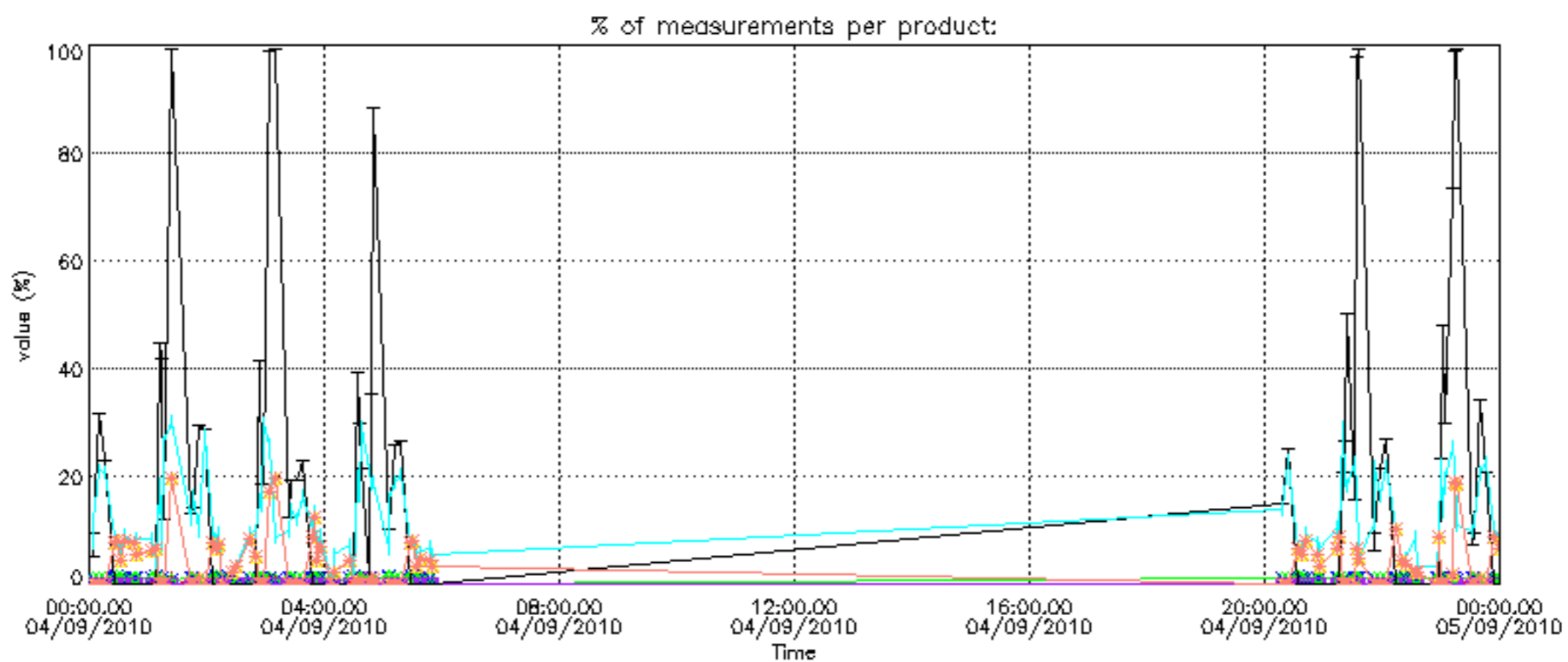
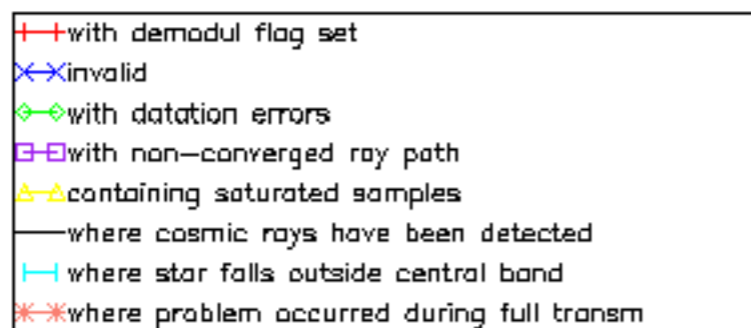
Type	Auxiliary Filename	Used since product	Used since product date
INST_PHYS_CHARACTERISTICS	GOM_INS_AXVIEC20091111_143220_20030716_120000_20500101_000000	1	04-SEP-2010 00:03:29
CALIBRATION_DATABASE	GOM_CAL_AXVIEC20100824_082223_20100822_000000_20500101_000000	1	04-SEP-2010 00:03:29
LEVEL-1B_PROC_CONFIG	GOM_PR1_AXVIEC20091111_145255_20020301_000000_20500101_000000	1	04-SEP-2010 00:03:29
STAR_CATALOGUE	GOM_CAT_AXVIEC20020121_161009_20020101_000000_20200101_000000	1	04-SEP-2010 00:03:29
STELLAR_SPECTRA_DATABANK	GOM_STS_AXVIEC20091111_151504_20020101_160000_20500101_000000	1	04-SEP-2010 00:03:29
ECMWF_FILE	AUX_ECF_AXNECM20100903_054115_20100903_210000_20100904_090000	1	04-SEP-2010 00:03:29
ECMWF_FILE	AUX_ECF_AXNECM20100903_174115_20100904_030000_20100904_150000	44	04-SEP-2010 04:25:34
ECMWF_FILE	AUX_ECF_AXNECM20100904_054115_20100904_150000_20100905_030000	62	04-SEP-2010 20:18:02
ECMWF_FILE	AUX_ECF_AXNECM20100904_054115_20100904_210000_20100905_090000	74	04-SEP-2010 21:31:39
OPTIONAL_ECMWF_FILE	MISSING	1	04-SEP-2010 00:03:29
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20100903_233917_000057382092_00359_44501_0991.N1	1	04-SEP-2010 00:03:29
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20100904_012014_000041442092_00360_44502_0992.N1	16	04-SEP-2010 01:24:20
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20100904_023437_000057382092_00361_44503_0993.N1	27	04-SEP-2010 02:44:59
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20100904_041534_000057382092_00362_44504_0994.N1	44	04-SEP-2010 04:25:34
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20100904_201156_000041442092_00372_44514_0995.N1	62	04-SEP-2010 20:18:02
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20100904_212619_000057382092_00372_44514_0996.N1	74	04-SEP-2010 21:31:39
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20100904_230716_000057382092_00373_44515_0997.N1	91	04-SEP-2010 23:12:16



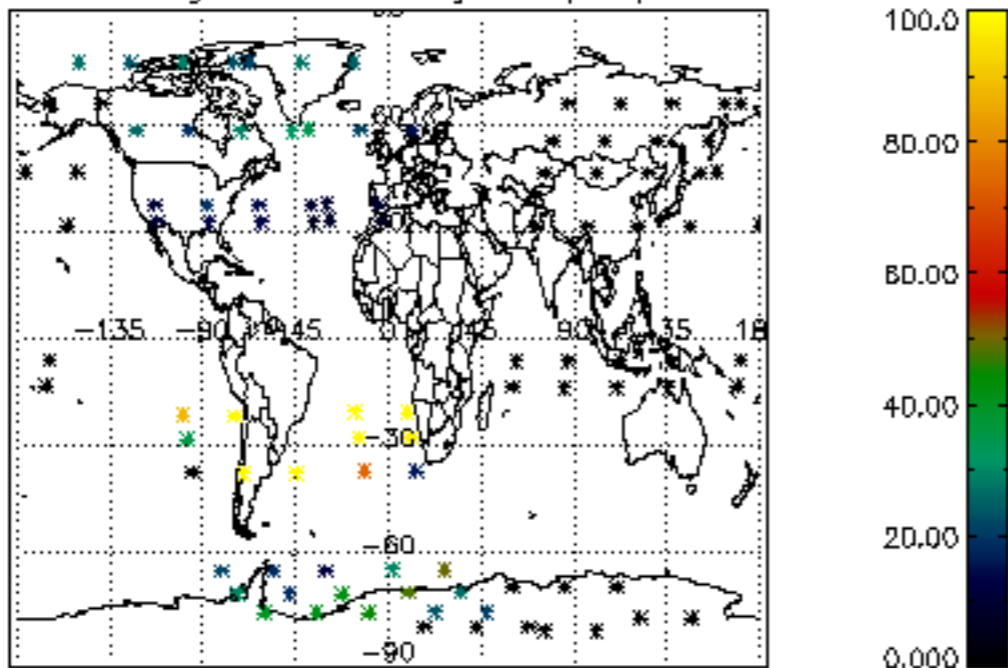




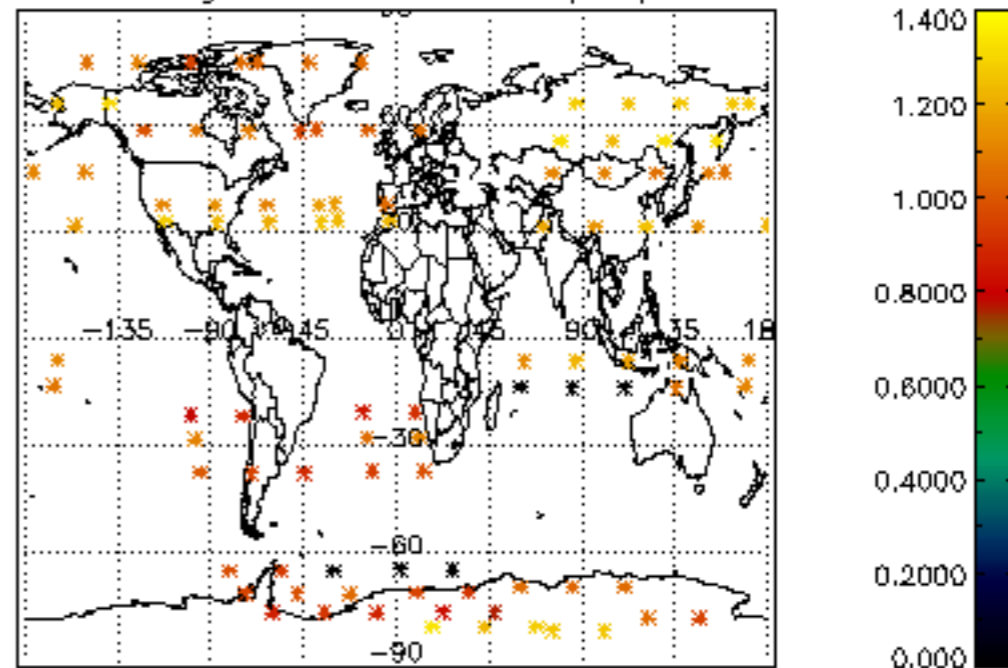




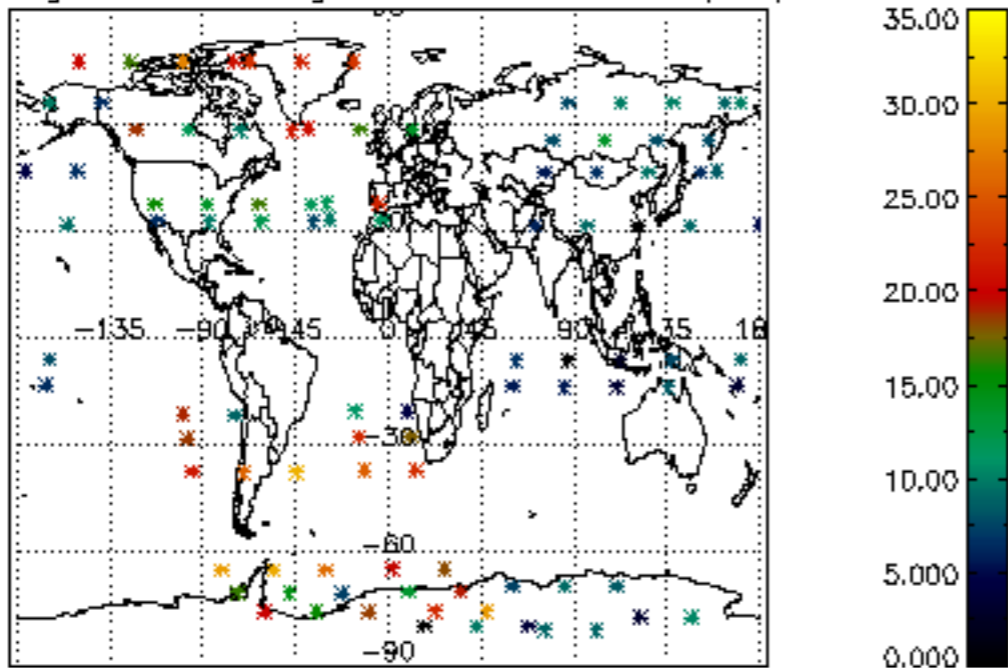
Percentage of cosmic ray hits per profile



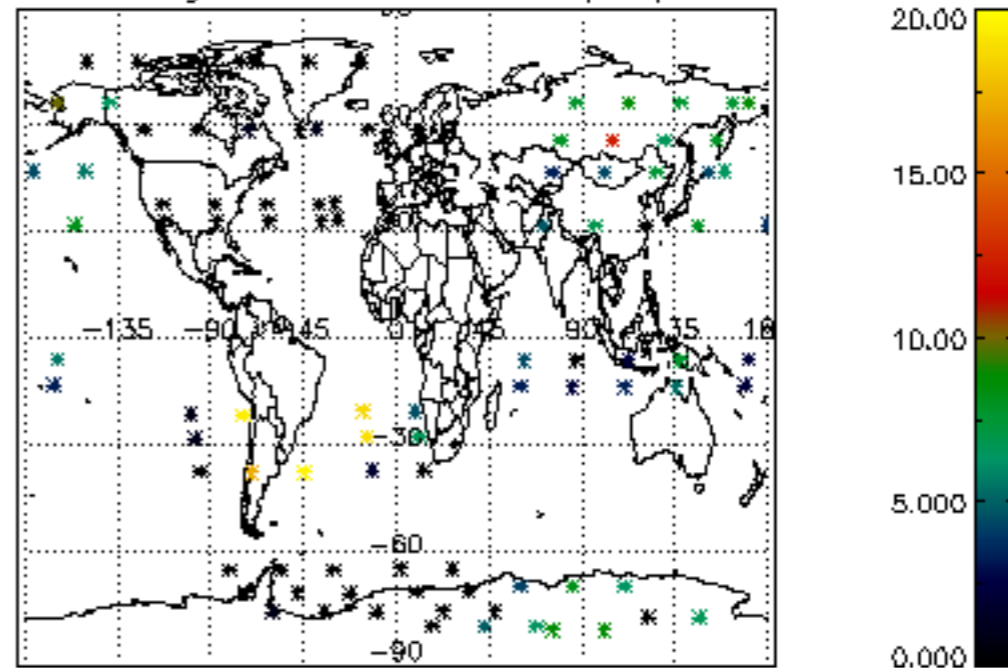
Percentage of datation errors per profile



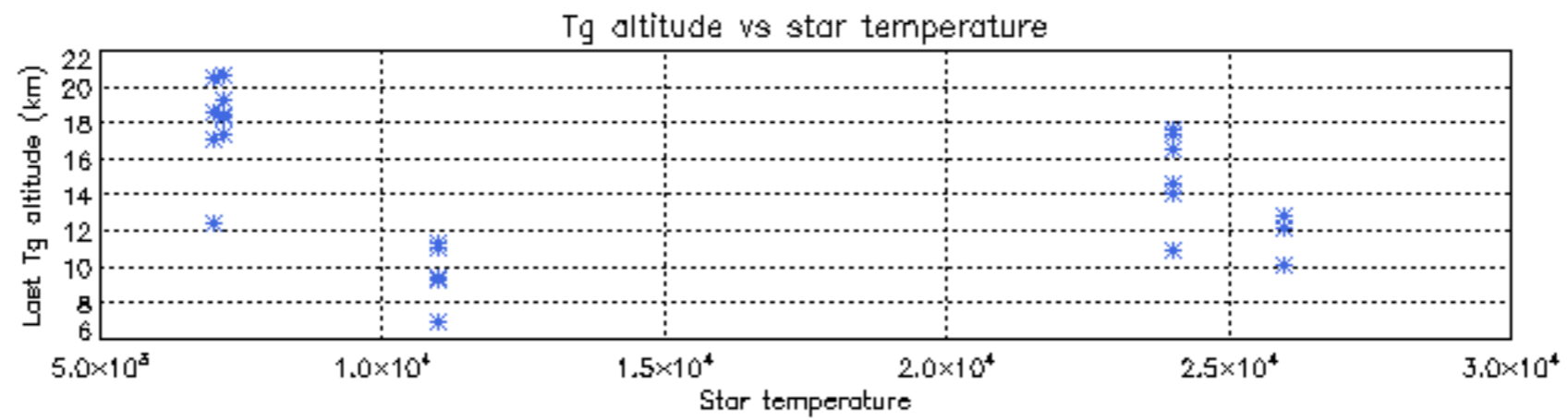
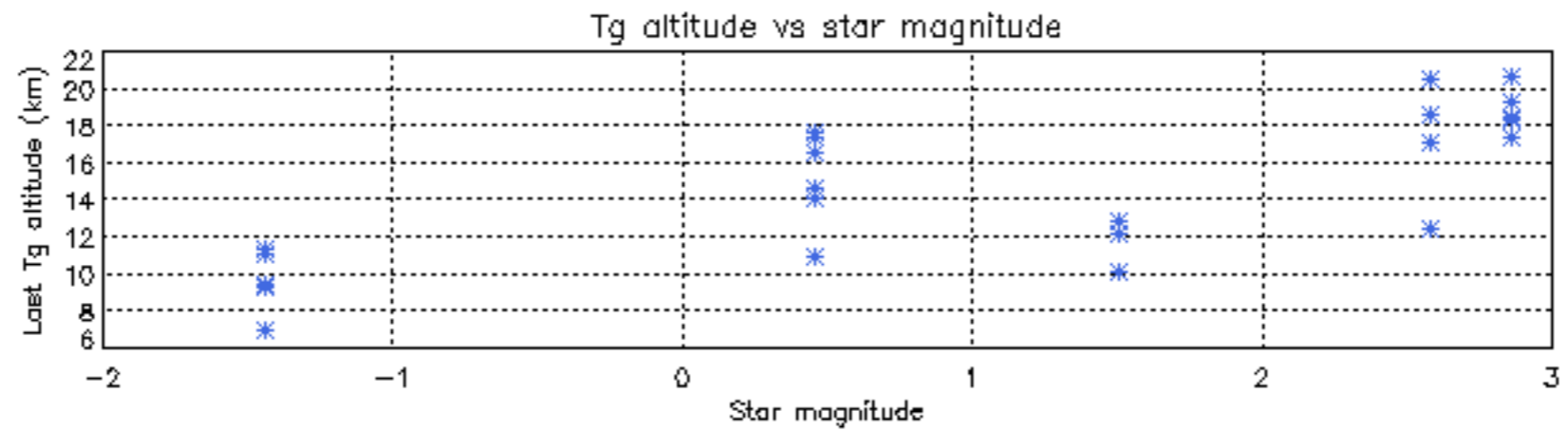
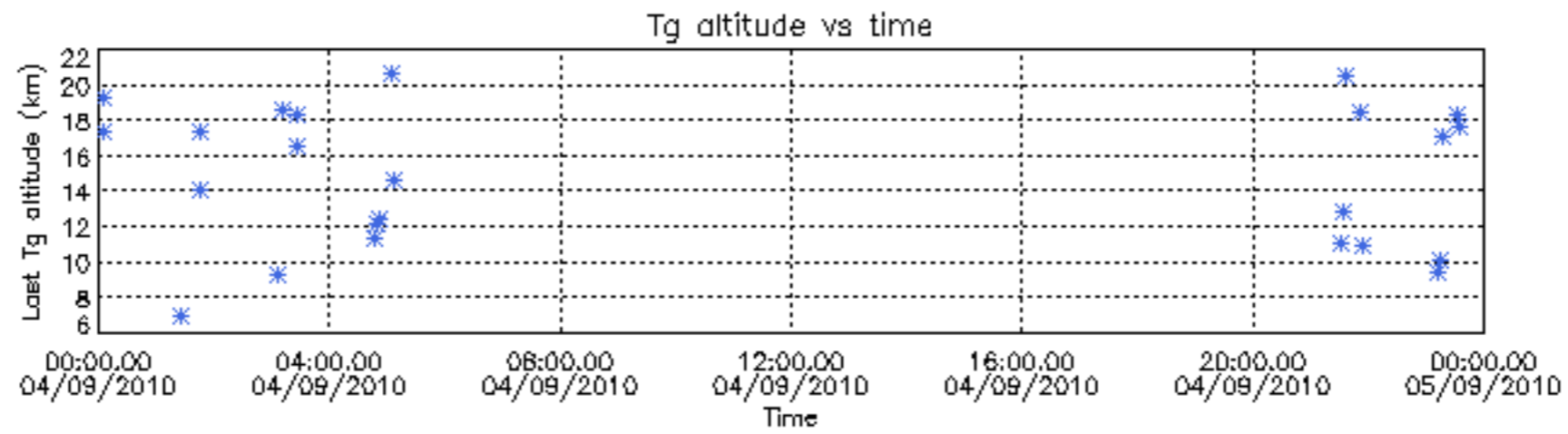
Percentage of star falling outside central band per profile



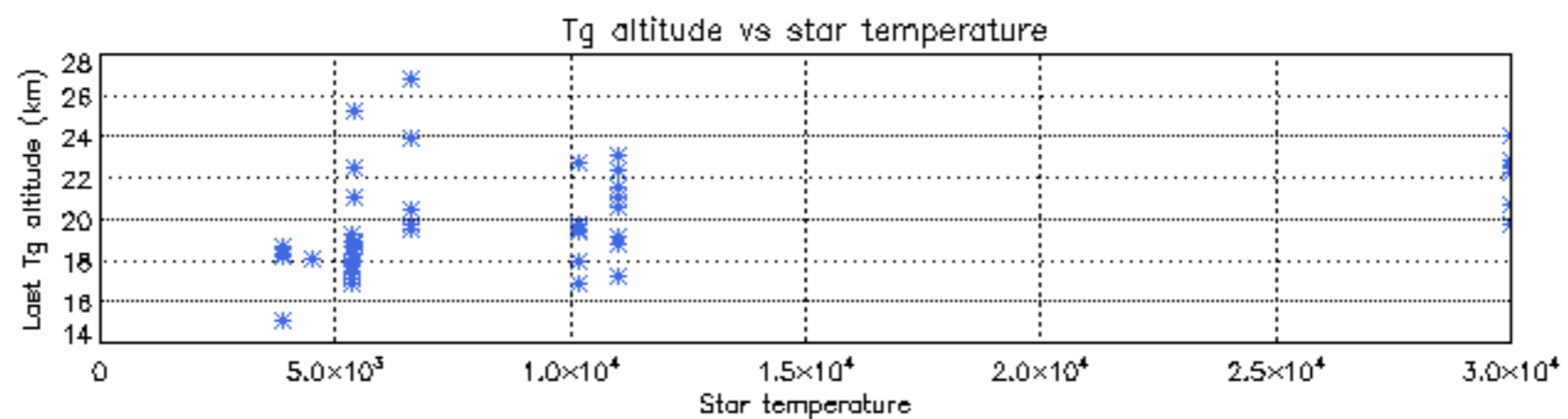
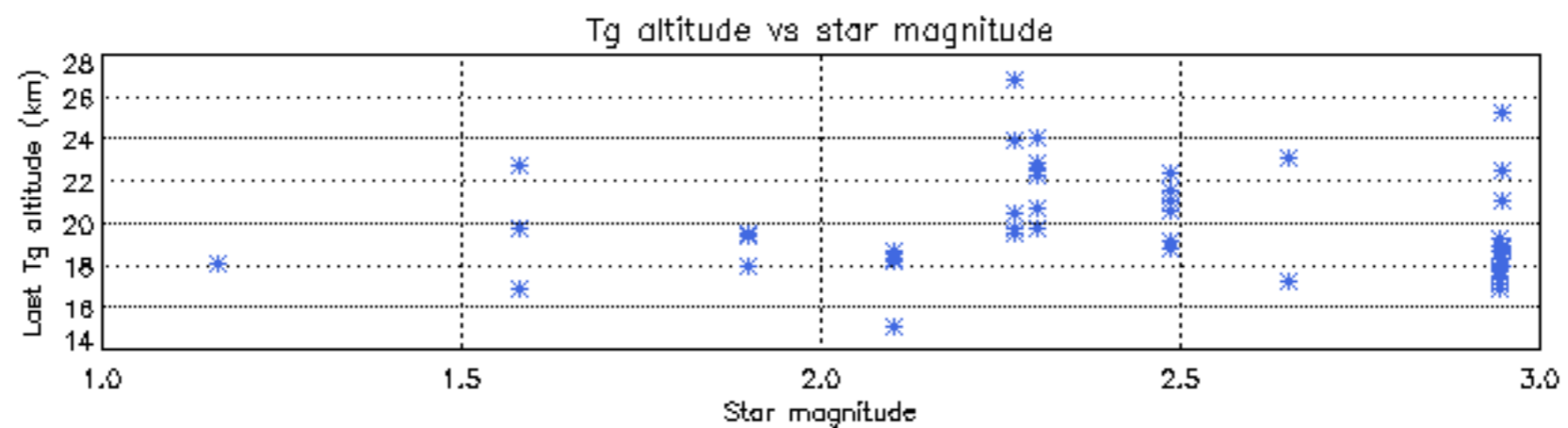
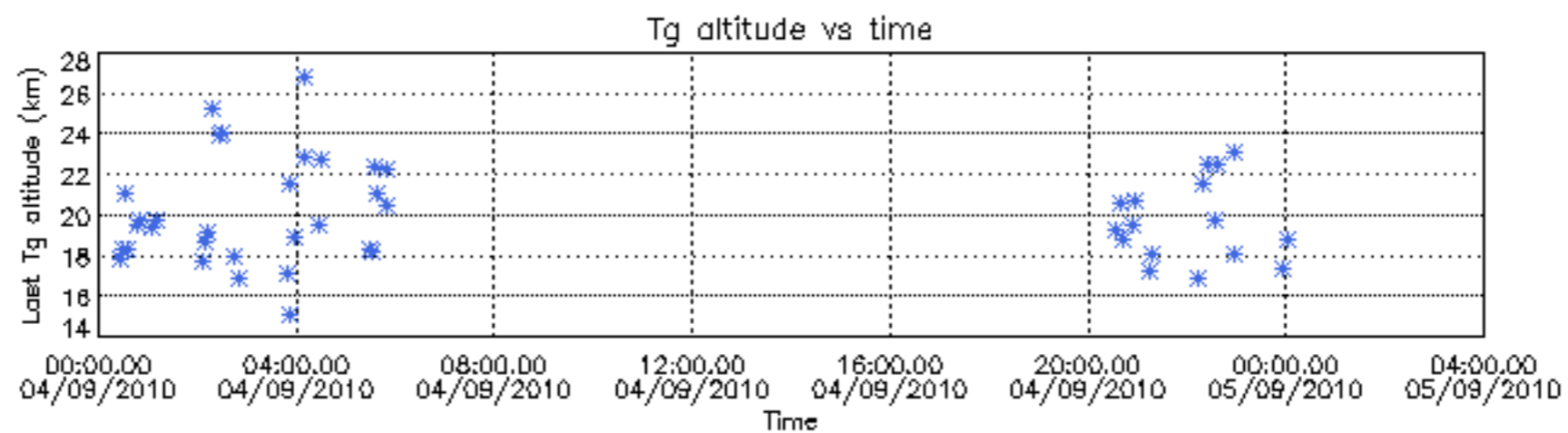
Percentage of saturation errors per profile



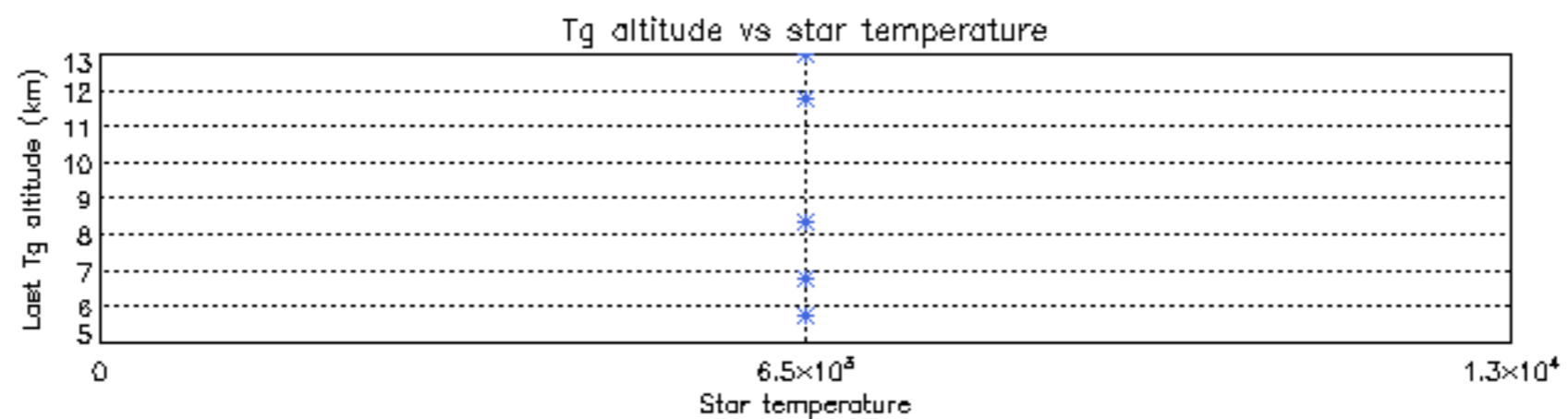
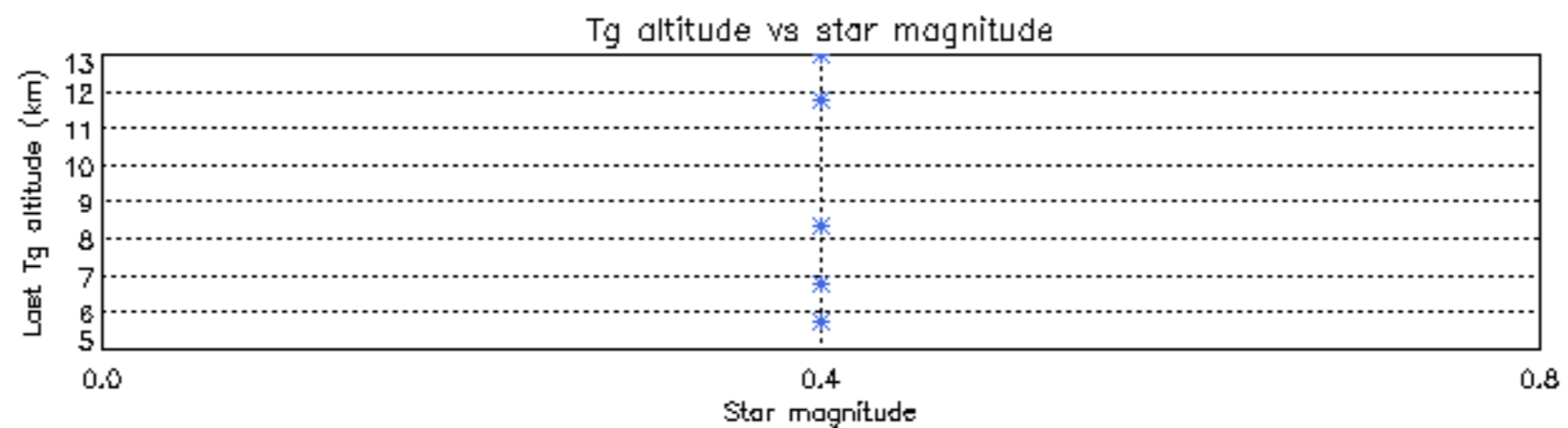
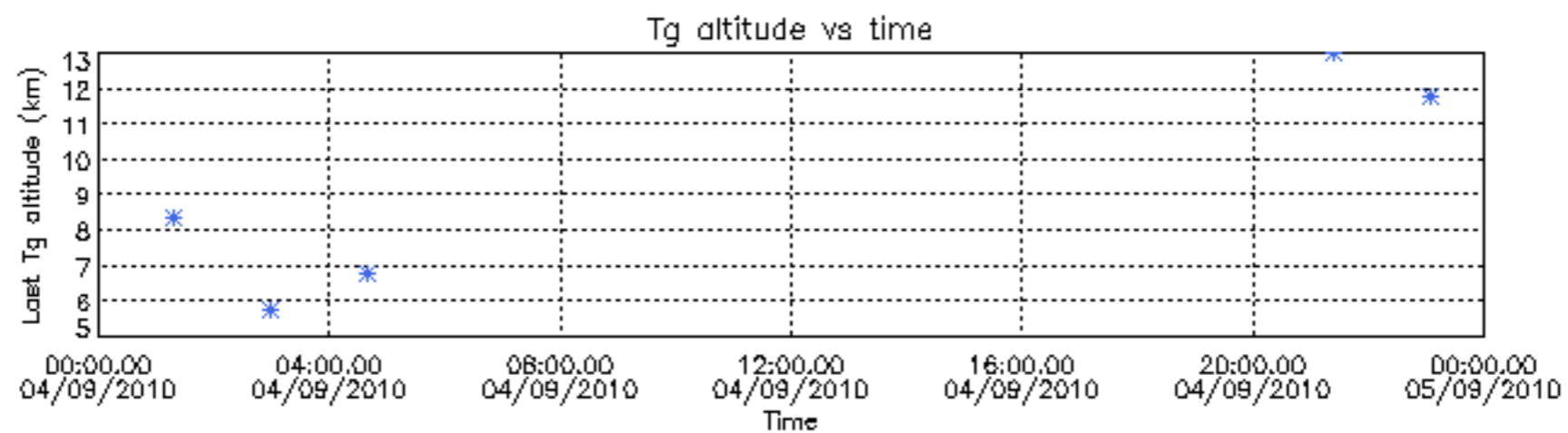
Tangent altitude at which the star is lost

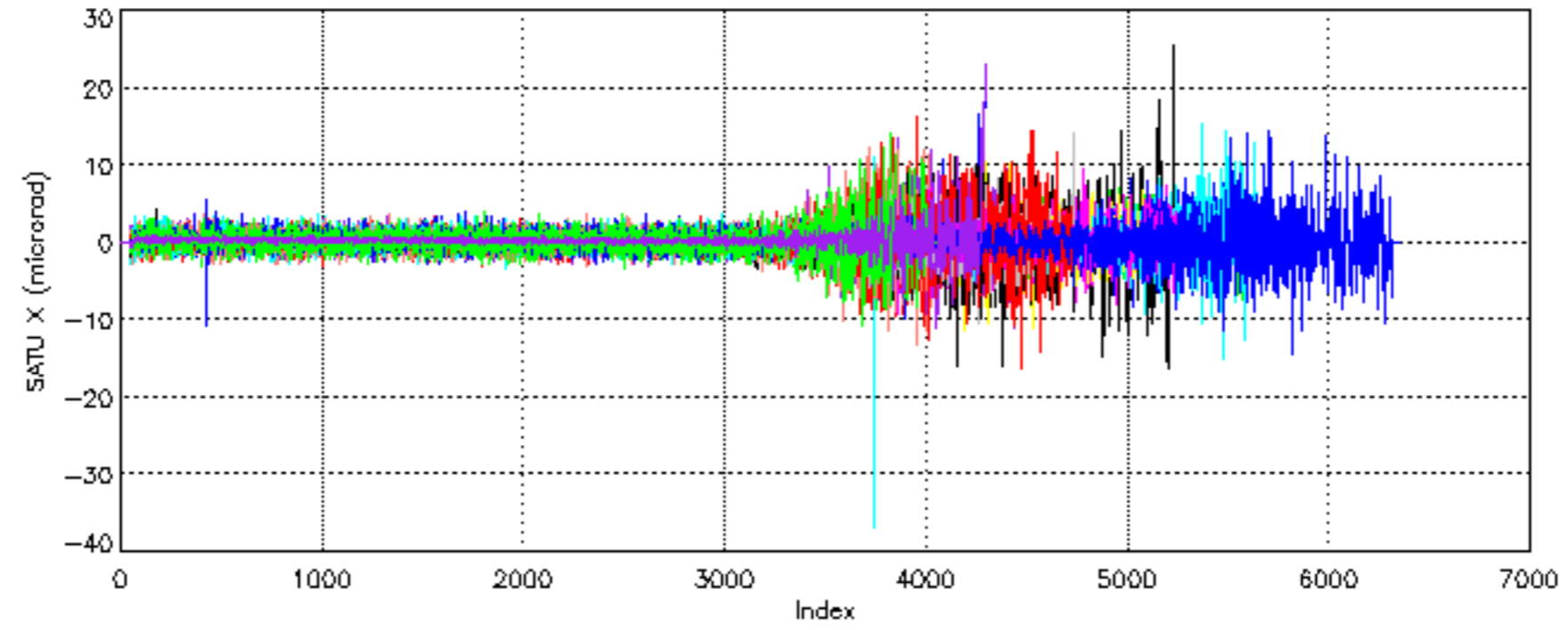


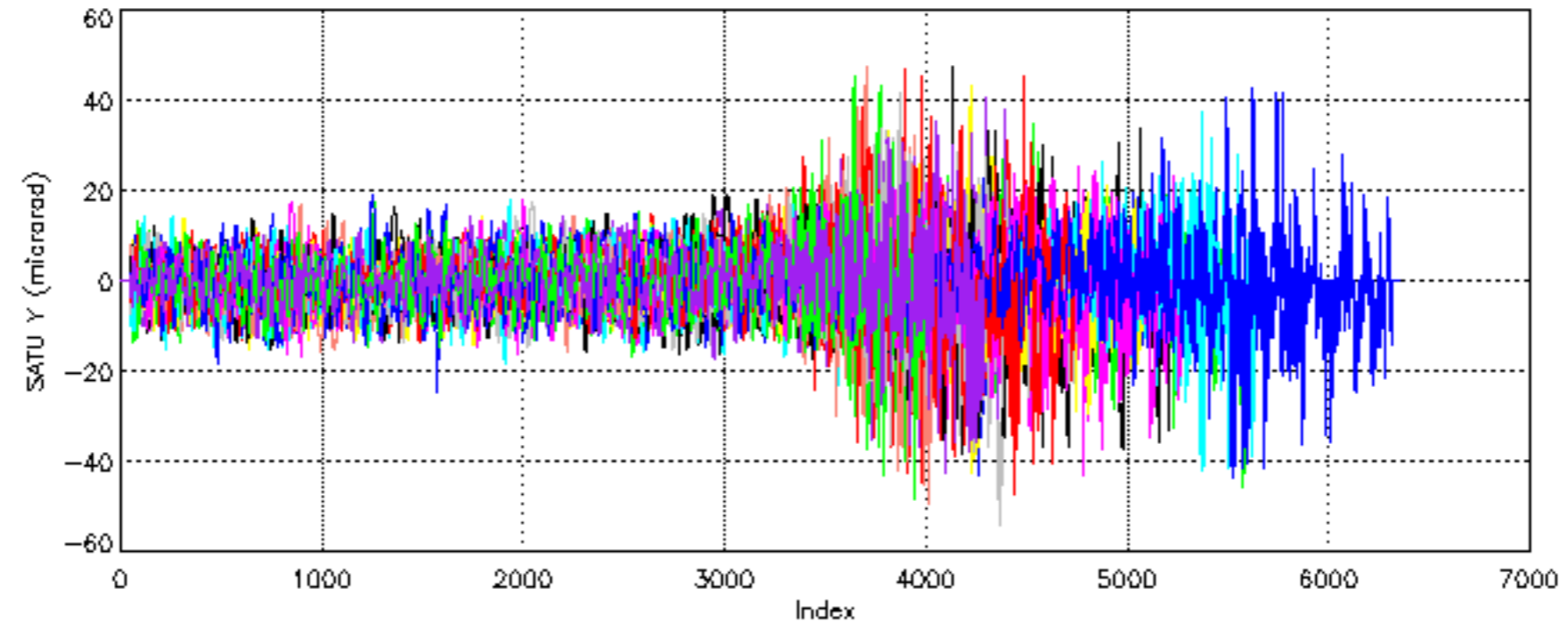
Tangent altitude at which the star is lost

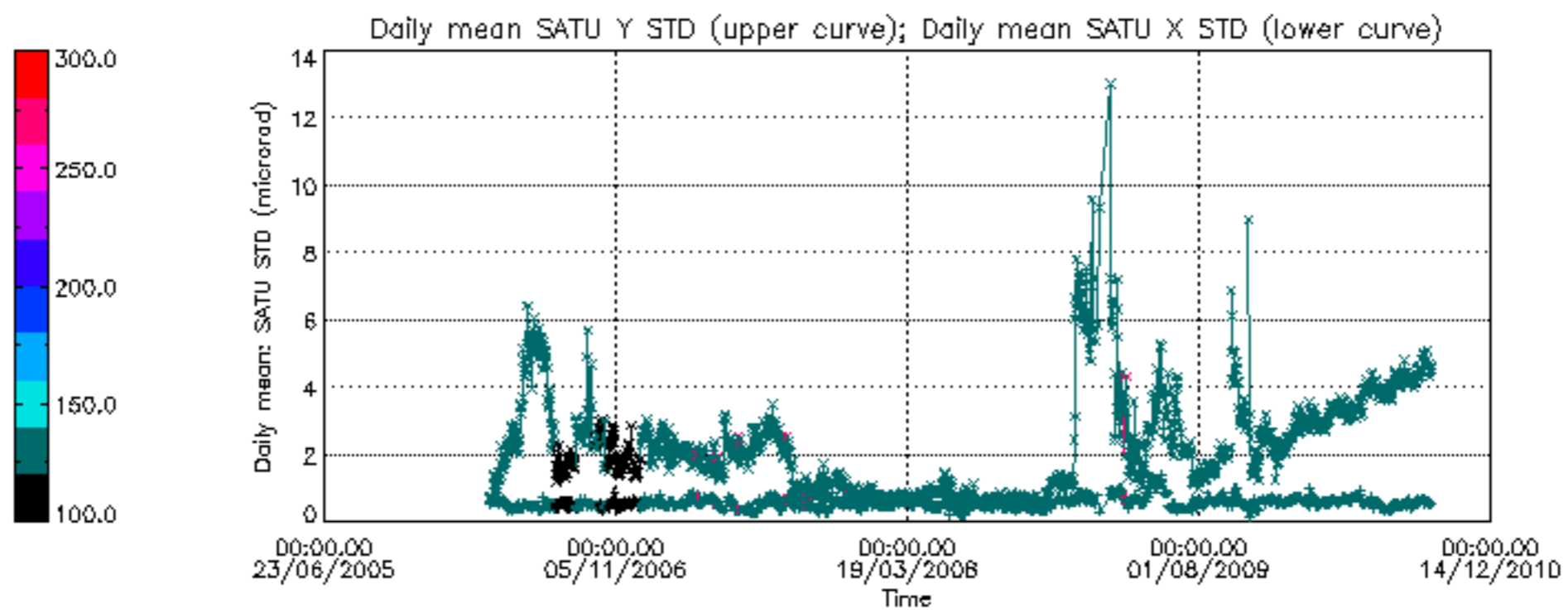


Tangent altitude at which the star is lost











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/nas3/ENVISAT/GOMOS/GOM_NL__0P/GOM_NL__0PNPDE20100901_011807_000013212092_00317_44459_0811.N1
 1; -664.1; 01-SEP-2010 01:18:07; Dark ; 50.0; 1; 9Alp CMA ; -1.44; 11000;occ; 100; 0;44459
 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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4; 3081.2; 08-SEP-2010 15:25:12; Bright; 43.0; 74; 11Bet Cas ; 2.27; 6600;occ; 86; 0;44568
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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 9; 4840.0; 08-SEP-2010 15:54:31; Dark ; 52.5; 44; 24Gam Gem ; 1.93; 11000;occ; 105; 0;44568  
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 12; 5601.5; 08-SEP-2010 16:07:12; Dark ; 47.0; 23; 21Eps CMA ; 1.50; 26000;occ; 94; 0;44568  
 13; 5723.9; 08-SEP-2010 16:09:15; Dark ; 45.0; 177; 1Zet CMA ; 3.02; 26000;occ; 90; 0;44568  
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 15; 5916.1; 08-SEP-2010 16:12:27; Dark ; 47.5; 108; Alp Col ; 2.65; 15200;occ; 95; 0;44568  
 16; 6622.1; 08-SEP-2010 16:24:13; Dark ; 36.5; 143; Alp Hyi ; 2.86; 7200;occ; 73; 0;44569  
 17; 6702.4; 08-SEP-2010 16:25:33; Dark ; 43.5; 9; Alp Eri ; 0.45; 24000;occ; 87; 0;44569  
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 4; 3080.6; 08-SEP-2010 17:05:48; Bright; 45.0; 74; 11Bet Cas ; 2.27; 6600;occ; 90; 0;44569  
 5; 3199.9; 08-SEP-2010 17:07:47; Bright; 45.0; 76; 27Gam Cas ; 2.30; 30000;occ; 90; 0;44569  
 6; 4191.5; 08-SEP-2010 17:24:18; Bright; 53.0; 42; 34Bet Aur ; 1.90; 10200;occ; 106; 0;44569  
 7; 4467.0; 08-SEP-2010 17:28:54; Bright; 58.0; 24; 66Alp Gem ; 1.58; 10200;occ; 116; 0;44569  
 8; 4639.8; 08-SEP-2010 17:31:47; Dark ; 53.0; 170; 27Eps Gem ; 3.00; 9700;occ; 106; 0;44569  
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 13; 5724.8; 08-SEP-2010 17:49:52; Dark ; 45.0; 177; 1Zet CMA ; 3.02; 26000;occ; 90; 0;44569  
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 3; 2458.6; 08-SEP-2010 18:36:02; Bright; 40.5; 164; 44Eta Peg ; 2.95; 5400;occ; 81; 0;44570  
 4; 3080.1; 08-SEP-2010 18:46:23; Bright; 44.0; 74; 11Bet Cas ; 2.27; 6600;occ; 88; 0;44570  
 5; 3199.1; 08-SEP-2010 18:48:22; Bright; 44.5; 76; 27Gam Cas ; 2.30; 30000;occ; 89; 0;44570  
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 9; 4840.9; 08-SEP-2010 19:15:44; Dark ; 57.0; 44; 24Gam Gem ; 1.93; 11000;occ; 114; 0;44570  
 10; 4953.2; 08-SEP-2010 19:17:36; Dark ; 47.0; 8; 10Alp CMi ; 0.40; 6500;occ; 94; 0;44570  
 11; 5450.6; 08-SEP-2010 19:25:54; Dark ; 53.5; 1; 9Alp CMA ; -1.44; 11000;occ; 107; 0;44570  
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 13; 5725.9; 08-SEP-2010 19:30:29; Dark ; 45.0; 177; 1Zet CMA ; 3.02; 26000;occ; 90; 0;44570  
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 15; 5918.3; 08-SEP-2010 19:33:41; Dark ; 49.0; 108; Alp Col ; 2.65; 15200;occ; 98; 0;44570  
 16; 6703.4; 08-SEP-2010 19:46:46; Dark ; 42.0; 9; Alp Eri ; 0.45; 24000;occ; 84; 0;44571

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 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  
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 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  
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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
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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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9; -217.9; 09-SEP-2010 03:55:01; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;44575
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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
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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; 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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7; 5968.6; 10-SEP-2010 11:48:54; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;44594
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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
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 7; 5451.2; 16-SEP-2010 13:32:21; Dark ; 41.0; 132; 15Rho Pup ; 2.80; 6900;occ; 82; 0;44681
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12; 6061.8; 16-SEP-2010 13:42:32; Dark ; 48.0; 2; Alp Car ; -0.74; 7000;occ; 96; 0;44682
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
15; 7105.9; 16-SEP-2010 13:59:56; Dark ; 47.0; 84; Alp Phe ; 2.40; 4500;occ; 94; 0;44682
16; 7564.1; 16-SEP-2010 14:07:34; Dark ; 8.5; 52; 16Bet Cet ; 2.04; 4500;occ; 17; 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
 7; 4482.5; 16-SEP-2010 14:56:48; Bright; 41.5; 24; 66Alp Gem ; 1.58; 10200;occ; 83; 0;44682
 8; 5006.1; 16-SEP-2010 15:05:32; Dark ; 57.0; 8; 10Alp CMi ; 0.40; 6500;occ; 114; 0;44682
 9; 5451.7; 16-SEP-2010 15:12:58; Dark ; 42.5; 132; 15Rho Pup ; 2.80; 6900;occ; 85; 0;44682
10; 5556.3; 16-SEP-2010 15:14:42; Dark ; 71.0; 1; 9Alp CMa ; -1.44; 11000;occ; 142; 0;44682
11; 5687.7; 16-SEP-2010 15:16:54; Dark ; 46.5; 23; 21Eps CMa ; 1.50; 26000;occ; 93; 0;44682
12; 5911.1; 16-SEP-2010 15:20:37; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;44682
13; 6062.4; 16-SEP-2010 15:23:08; Dark ; 55.5; 2; Alp Car ; -0.74; 7000;occ; 111; 0;44683
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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 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
 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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7; 4482.5; 16-SEP-2010 16:37:24; Bright; 45.5; 24; 66Alp Gem ; 1.58; 10200;occ; 91; 0;44683  
8; 5006.5; 16-SEP-2010 16:46:08; Dark ; 61.0; 8; 10Alp CMI ; 0.40; 6500;occ; 122; 0;44683  
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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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  
14; 6677.9; 16-SEP-2010 17:14:00; Dark ; 38.5; 143; Alp Hyi ; 2.86; 7200;occ; 77; 0;44684  
15; 6763.4; 16-SEP-2010 17:15:25; Dark ; 42.0; 9; Alp Eri ; 0.45; 24000;occ; 84; 0;44684  
16; 7106.7; 16-SEP-2010 17:21:09; Dark ; 47.5; 84; Alp Phe ; 2.40; 4500;occ; 95; 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  
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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  
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  
14; 6678.1; 16-SEP-2010 18:54:36; Dark ; 40.5; 143; Alp Hyi ; 2.86; 7200;occ; 81; 0;44685  
15; 6764.0; 16-SEP-2010 18:56:02; Dark ; 48.5; 9; Alp Eri ; 0.45; 24000;occ; 97; 0;44685

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3; -344.0; 16-SEP-2010 23:39:58; Dark ; 49.5; 23; 21Eps CMA ; 1.50; 26000;occ; 99; 0;44687  
4; -120.1; 16-SEP-2010 23:43:41; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;44687  
5; 29.4; 16-SEP-2010 23:46:11; Dark ; 53.5; 2; Alp Car ; -0.74; 7000;occ; 107; 0;44688  
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  
8; 1072.3; 17-SEP-2010 00:03:34; Dark ; 46.5; 84; Alp Phe ; 2.40; 4500;occ; 93; 0;44688  
9; 1529.0; 17-SEP-2010 00:11:10; Dark ; 47.0; 52; 16Bet Cet ; 2.04; 4500;occ; 94; 0;44688  
10; 2177.6; 17-SEP-2010 00:21:59; Bright; 39.5; 90; 54Alp Peg ; 2.49; 11000;occ; 79; 0;44688  
11; 2408.8; 17-SEP-2010 00:25:50; Bright; 41.5; 93; 53Bet Peg ; 2.52; 3100;occ; 83; 0;44688  
12; 2528.9; 17-SEP-2010 00:27:50; Bright; 47.5; 58; 21Alp And ; 2.07; 11000;occ; 95; 0;44688  
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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3; 2178.0; 16-SEP-2010 19:20:12; Bright; 40.0; 90; 54Alp Peg ; 2.49; 11000;occ; 80; 0;44685  
4; 2409.6; 16-SEP-2010 19:24:03; Bright; 43.0; 93; 53Bet Peg ; 2.52; 3100;occ; 86; 0;44685  
5; 2530.9; 16-SEP-2010 19:26:05; Bright; 37.0; 58; 21Alp And ; 2.07; 11000;occ; 74; 0;44685  
6; 3023.6; 16-SEP-2010 19:34:18; Bright; 40.5; 74; 11Bet Cas ; 2.27; 6600;occ; 81; 0;44685  
7; 3130.4; 16-SEP-2010 19:36:04; Bright; 43.0; 76; 27Gam Cas ; 2.30; 30000;occ; 86; 0;44685  
8; 4482.7; 16-SEP-2010 19:58:37; Bright; 63.0; 24; 66Alp Gem ; 1.58; 10200;occ; 126; 0;44685  
9; 5007.4; 16-SEP-2010 20:07:21; Dark ; 56.5; 8; 10Alp CMI ; 0.40; 6500;occ; 113; 0;44685  
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11; 5559.3; 16-SEP-2010 20:16:33; Dark ; 63.5; 1; 9Alp CMA ; -1.44; 11000;occ; 127; 0;44685  
12; 5690.1; 16-SEP-2010 20:18:44; Dark ; 44.5; 23; 21Eps CMA ; 1.50; 26000;occ; 89; 0;44685  
13; 5913.9; 16-SEP-2010 20:22:28; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;44685  
14; 6064.4; 16-SEP-2010 20:24:58; Dark ; 57.0; 2; Alp Car ; -0.74; 7000;occ; 114; 0;44686  
15; 6678.7; 16-SEP-2010 20:35:13; Dark ; 39.5; 143; Alp Hyi ; 2.86; 7200;occ; 79; 0;44686  
16; 6764.3; 16-SEP-2010 20:36:38; Dark ; 52.5; 9; Alp Eri ; 0.45; 24000;occ; 105; 0;44686

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4; -119.2; 17-SEP-2010 01:24:18; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;44688  
5; 30.3; 17-SEP-2010 01:26:48; Dark ; 53.5; 2; Alp Car ; -0.74; 7000;occ; 107; 0;44689  
6; 644.3; 17-SEP-2010 01:37:02; Dark ; 37.5; 143; Alp Hyi ; 2.86; 7200;occ; 75; 0;44689



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13; 3021.5; 17-SEP-2010 02:16:39; Bright; 41.5; 74; 11Bet Cas ; 2.27; 6600;occ; 83; 0;44689
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15; 4483.2; 17-SEP-2010 02:41:01; Bright; 45.0; 24; 66Alp Gem ; 1.58; 10200;occ; 90; 0;44689
16; 5009.8; 17-SEP-2010 02:49:47; Dark ; 53.0; 8; 10Alp CMi ; 0.40; 6500;occ; 106; 0;44689
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19; 5693.6; 17-SEP-2010 03:01:11; Dark ; 51.0; 23; 21Eps CMA ; 1.50; 26000;occ; 102; 0;44689
20; 5917.7; 17-SEP-2010 03:04:55; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;44689
21; 6066.8; 17-SEP-2010 03:07:24; Dark ; 55.5; 2; Alp Car ; -0.74; 7000;occ; 111; 0;44690
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23; 6766.3; 17-SEP-2010 03:19:04; Dark ; 52.5; 9; Alp Eri ; 0.45; 24000;occ; 105; 0;44690
24; 7108.9; 17-SEP-2010 03:24:46; Dark ; 46.0; 84; Alp Phe ; 2.40; 4500;occ; 92; 0;44690
25; 7565.4; 17-SEP-2010 03:32:23; Dark ; 53.0; 52; 16Bet Cet ; 2.04; 4500;occ; 106; 0;44690
26; 8213.2; 17-SEP-2010 03:43:11; Bright; 38.5; 90; 54Alp Peg ; 2.49; 11000;occ; 77; 0;44690
27; 8444.4; 17-SEP-2010 03:47:02; Bright; 39.0; 93; 53Bet Peg ; 2.52; 3100;occ; 78; 0;44690
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3; -1552.5; 17-SEP-2010 04:21:37; Bright; 63.0; 24; 66Alp Gem ; 1.58; 10200;occ; 126; 0;44690
4; -1025.7; 17-SEP-2010 04:30:24; Dark ; 52.5; 8; 10Alp CMi ; 0.40; 6500;occ; 105; 0;44690
5; -580.4; 17-SEP-2010 04:37:49; Dark ; 42.5; 132; 15Rho Pup ; 2.80; 6900;occ; 85; 0;44690
6; -471.1; 17-SEP-2010 04:39:38; Dark ; 58.5; 1; 9Alp CMA ; -1.44; 11000;occ; 117; 0;44690
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8; -117.3; 17-SEP-2010 04:45:32; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;44690
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11; 730.9; 17-SEP-2010 04:59:40; Dark ; 42.5; 9; Alp Eri ; 0.45; 24000;occ; 85; 0;44691
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13; 1529.6; 17-SEP-2010 05:12:59; Dark ; 53.0; 52; 16Bet Cet ; 2.04; 4500;occ; 106; 0;44691
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16; 2526.9; 17-SEP-2010 05:29:36; Bright; 47.0; 58; 21Alp And ; 2.07; 11000;occ; 94; 0;44691
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4; -470.1; 17-SEP-2010 06:20:15; Dark ; 65.0; 1; 9Alp CMA ; -1.44; 11000;occ; 130; 0;44691
5; -340.6; 17-SEP-2010 06:22:25; Dark ; 47.0; 23; 21Eps CMA ; 1.50; 26000;occ; 94; 0;44691
6; -116.3; 17-SEP-2010 06:26:09; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;44691
7; 32.0; 17-SEP-2010 06:28:37; Dark ; 57.0; 2; Alp Car ; -0.74; 7000;occ; 114; 0;44692
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10; 1073.8; 17-SEP-2010 06:45:59; Dark ; 46.0; 84; Alp Phe ; 2.40; 4500;occ; 92; 0;44692
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5; 3126.6; 17-SEP-2010 07:20:12; Bright; 42.5; 76; 27Gam Cas ; 2.30; 30000;occ; 85; 0;44692
6; 4483.8; 17-SEP-2010 07:42:49; Bright; 45.0; 24; 66Alp Gem ; 1.58; 10200;occ; 90; 0;44692
7; 5011.4; 17-SEP-2010 07:51:37; Dark ; 47.5; 8; 10Alp CMi ; 0.40; 6500;occ; 95; 0;44692
8; 5456.4; 17-SEP-2010 07:59:02; Dark ; 38.5; 132; 15Rho Pup ; 2.80; 6900;occ; 77; 0;44692
9; 5567.0; 17-SEP-2010 08:00:52; Dark ; 59.5; 1; 9Alp CMA ; -1.44; 11000;occ; 119; 0;44692
10; 5696.3; 17-SEP-2010 08:03:02; Dark ; 47.0; 23; 21Eps CMA ; 1.50; 26000;occ; 94; 0;44692
11; 5920.6; 17-SEP-2010 08:06:46; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;44692
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6; 3086.7; 22-SEP-2010 14:45:02; Bright; 42.0; 76; 27Gam Cas ; 2.30; 30000;occ; 84; 0;44768
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8; 5058.7; 22-SEP-2010 15:17:54; Dark ; 70.0; 8; 10Alp CMi ; 0.40; 6500;occ; 140; 0;44768
9; 5498.8; 22-SEP-2010 15:25:14; Dark ; 39.5; 132; 15Rho Pup ; 2.80; 6900;occ; 79; 0;44768
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11; 5810.6; 22-SEP-2010 15:30:25; Dark ; 50.0; 117; Pi Pup ; 2.71; 3800;occ; 100; 0;44768
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13; 6118.5; 22-SEP-2010 15:35:33; Dark ; 54.0; 2; Alp Car ;-0.74; 7000;occ; 108; 0;44769
14; 6803.8; 22-SEP-2010 15:46:59; Dark ; 42.0; 9; Alp Eri ; 0.45; 24000;occ; 84; 0;44769
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3; 2393.7; 22-SEP-2010 16:14:05; Bright; 39.0; 93; 53Bet Peg ; 2.52; 3100;occ; 78; 0;44769
4; 2482.5; 22-SEP-2010 16:15:33; Bright; 42.5; 58; 21Alp And ; 2.07; 11000;occ; 85; 0;44769
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7; 4494.4; 22-SEP-2010 16:49:05; Bright; 50.5; 24; 66Alp Gem ; 1.58; 10200;occ; 101; 0;44769
8; 5059.4; 22-SEP-2010 16:58:30; Dark ; 65.5; 8; 10Alp CMi ; 0.40; 6500;occ; 131; 0;44769
9; 5499.4; 22-SEP-2010 17:05:50; Dark ; 43.5; 132; 15Rho Pup ; 2.80; 6900;occ; 87; 0;44769
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14; 6804.3; 22-SEP-2010 17:27:35; Dark ; 51.0; 9; Alp Eri ; 0.45; 24000;occ; 102; 0;44770
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 9; 5060.7; 22-SEP-2010 20:19:43; Dark ; 55.0; 8; 10Alp CMI ; 0.40; 6500;occ; 110; 0;44771
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15; 6805.0; 22-SEP-2010 20:48:48; Dark ; 50.5; 9; Alp Eri ; 0.45; 24000;occ; 101; 0;44772
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 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
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 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
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 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
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 7; 5.4; 23-SEP-2010 04:59:04; Dark ; 44.0; 161; Tau Pup ; 2.93; 4500;occ; 88; 0;44776
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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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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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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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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
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 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
10; 5793.1; 24-SEP-2010 09:25:06; Dark ; 50.5; 23; 21Eps CMA ; 1.50; 26000;occ; 101; 0;44793
11; 5925.5; 24-SEP-2010 09:27:18; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;44793
12; 6052.7; 24-SEP-2010 09:29:26; Dark ; 40.5; 161; Tau Pup ; 2.93; 4500;occ; 81; 0;44794
13; 6197.1; 24-SEP-2010 09:31:50; Dark ; 56.0; 108; Alp Col ; 2.65; 15200;occ; 112; 0;44794
14; 6873.2; 24-SEP-2010 09:43:06; Dark ; 52.0; 157; The1Eri ; 2.91; 9300;occ; 104; 0;44794
15; 7579.9; 24-SEP-2010 09:54:53; Dark ; 53.5; 52; 16Bet Cet ; 2.04; 4500;occ; 107; 0;44794
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 1; 2167.1; 24-SEP-2010 10:05:16; Bright; 37.5; 90; 54Alp Peg ; 2.49; 11000;occ; 75; 0;44794
 2; 2390.8; 24-SEP-2010 10:09:00; Bright; 38.5; 93; 53Bet Peg ; 2.52; 3100;occ; 77; 0;44794
 3; 2470.6; 24-SEP-2010 10:10:19; Bright; 44.0; 58; 21Alp And ; 2.07; 11000;occ; 88; 0;44794
 4; 2980.6; 24-SEP-2010 10:18:49; Bright; 40.0; 74; 11Bet Cas ; 2.27; 6600;occ; 80; 0;44794
 5; 3074.0; 24-SEP-2010 10:20:23; Bright; 41.5; 76; 27Gam Cas ; 2.30; 30000;occ; 83; 0;44794
 6; 4498.1; 24-SEP-2010 10:44:07; Bright; 50.5; 24; 66Alp Gem ; 1.58; 10200;occ; 101; 0;44794
 7; 5077.4; 24-SEP-2010 10:53:46; Dark ; 61.0; 8; 10Alp CMi ; 0.40; 6500;occ; 122; 0;44794
 8; 5515.2; 24-SEP-2010 11:01:04; Dark ; 41.5; 132; 15Rho Pup ; 2.80; 6900;occ; 83; 0;44794
 9; 5696.9; 24-SEP-2010 11:04:06; Dark ; 30.0; 1; 9Alp CMA ; -1.44; 11000;occ; 60; 0;44794
10; 5794.3; 24-SEP-2010 11:05:43; Dark ; 51.0; 23; 21Eps CMA ; 1.50; 26000;occ; 102; 0;44794
11; 5926.1; 24-SEP-2010 11:07:55; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;44794
12; 6053.3; 24-SEP-2010 11:10:02; Dark ; 43.0; 161; Tau Pup ; 2.93; 4500;occ; 86; 0;44795
13; 6198.6; 24-SEP-2010 11:12:27; Dark ; 55.0; 108; Alp Col ; 2.65; 15200;occ; 110; 0;44795
14; 6873.9; 24-SEP-2010 11:23:43; Dark ; 50.5; 157; The1Eri ; 2.91; 9300;occ; 101; 0;44795
15; 7579.9; 24-SEP-2010 11:35:29; Dark ; 51.0; 52; 16Bet Cet ; 2.04; 4500;occ; 102; 0;44795
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 2; 2390.8; 24-SEP-2010 11:49:35; Bright; 39.0; 93; 53Bet Peg ; 2.52; 3100;occ; 78; 0;44795
 3; 2470.0; 24-SEP-2010 11:50:55; Bright; 44.0; 58; 21Alp And ; 2.07; 11000;occ; 88; 0;44795
 4; 2980.2; 24-SEP-2010 11:59:25; Bright; 42.0; 74; 11Bet Cas ; 2.27; 6600;occ; 84; 0;44795
 5; 3073.6; 24-SEP-2010 12:00:58; Bright; 40.5; 76; 27Gam Cas ; 2.30; 30000;occ; 81; 0;44795
 6; 4498.1; 24-SEP-2010 12:24:43; Bright; 50.5; 24; 66Alp Gem ; 1.58; 10200;occ; 101; 0;44795

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7; 5078.1; 24-SEP-2010 12:34:23; Dark ; 68.0; 8; 10Alp CMI ; 0.40; 6500;occ; 136; 0;44795
8; 5515.9; 24-SEP-2010 12:41:41; Dark ; 44.0; 132; 15Rho Pup ; 2.80; 6900;occ; 88; 0;44795
9; 5698.3; 24-SEP-2010 12:44:43; Dark ; 30.0; 1; 9Alp CMA ; -1.44; 11000;occ; 60; 0;44795
10; 5795.3; 24-SEP-2010 12:46:20; Dark ; 50.5; 23; 21Eps CMA ; 1.50; 26000;occ; 101; 0;44795
11; 5926.7; 24-SEP-2010 12:48:31; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;44795
12; 6053.9; 24-SEP-2010 12:50:39; Dark ; 41.0; 161; Tau Pup ; 2.93; 4500;occ; 82; 0;44796
13; 6199.9; 24-SEP-2010 12:53:05; Dark ; 56.5; 108; Alp Col ; 2.65; 15200;occ; 113; 0;44796
14; 6874.8; 24-SEP-2010 13:04:19; Dark ; 52.0; 157; The1Eri ; 2.91; 9300;occ; 104; 0;44796
15; 7580.2; 24-SEP-2010 13:16:05; Dark ; 54.5; 52; 16Bet Cet ; 2.04; 4500;occ; 109; 0;44796
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2; 2167.1; 24-SEP-2010 13:26:28; Bright; 36.5; 90; 54Alp Peg ; 2.49; 11000;occ; 73; 0;44796
3; 2980.0; 24-SEP-2010 13:40:00; Bright; 41.5; 74; 11Bet Cas ; 2.27; 6600;occ; 83; 0;44796
4; 3073.1; 24-SEP-2010 13:41:34; Bright; 42.5; 76; 27Gam Cas ; 2.30; 30000;occ; 85; 0;44796
5; 4498.3; 24-SEP-2010 14:05:19; Bright; 50.5; 24; 66Alp Gem ; 1.58; 10200;occ; 101; 0;44796
6; 5078.9; 24-SEP-2010 14:14:59; Dark ; 68.5; 8; 10Alp CMI ; 0.40; 6500;occ; 137; 0;44796
7; 5516.5; 24-SEP-2010 14:22:17; Dark ; 43.5; 132; 15Rho Pup ; 2.80; 6900;occ; 87; 0;44796
8; 5710.7; 24-SEP-2010 14:25:31; Dark ; 46.0; 88; 31Eta CMA ; 2.45; 20000;occ; 92; 0;44796
9; 5796.5; 24-SEP-2010 14:26:57; Dark ; 49.5; 23; 21Eps CMA ; 1.50; 26000;occ; 99; 0;44796
10; 5927.4; 24-SEP-2010 14:29:08; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;44796
11; 6054.7; 24-SEP-2010 14:31:15; Dark ; 40.5; 161; Tau Pup ; 2.93; 4500;occ; 81; 0;44797
12; 6201.5; 24-SEP-2010 14:33:42; Dark ; 55.5; 108; Alp Col ; 2.65; 15200;occ; 111; 0;44797
13; 6875.8; 24-SEP-2010 14:44:56; Dark ; 49.5; 157; The1Eri ; 2.91; 9300;occ; 99; 0;44797
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2; 2167.1; 24-SEP-2010 15:07:03; Bright; 38.0; 90; 54Alp Peg ; 2.49; 11000;occ; 76; 0;44797
3; 2979.8; 24-SEP-2010 15:20:36; Bright; 41.0; 74; 11Bet Cas ; 2.27; 6600;occ; 82; 0;44797
4; 3072.8; 24-SEP-2010 15:22:09; Bright; 40.0; 76; 27Gam Cas ; 2.30; 30000;occ; 80; 0;44797
5; 4498.5; 24-SEP-2010 15:45:55; Bright; 50.5; 24; 66Alp Gem ; 1.58; 10200;occ; 101; 0;44797
6; 5079.8; 24-SEP-2010 15:55:36; Dark ; 71.5; 8; 10Alp CMI ; 0.40; 6500;occ; 143; 0;44797
7; 5517.2; 24-SEP-2010 16:02:54; Dark ; 46.0; 132; 15Rho Pup ; 2.80; 6900;occ; 92; 0;44797
8; 5711.6; 24-SEP-2010 16:06:08; Dark ; 44.5; 88; 31Eta CMA ; 2.45; 20000;occ; 89; 0;44797
9; 5797.6; 24-SEP-2010 16:07:34; Dark ; 60.0; 23; 21Eps CMA ; 1.50; 26000;occ; 120; 0;44797
10; 5928.2; 24-SEP-2010 16:09:45; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;44797
11; 6055.4; 24-SEP-2010 16:11:52; Dark ; 44.0; 161; Tau Pup ; 2.93; 4500;occ; 88; 0;44798
12; 6203.1; 24-SEP-2010 16:14:19; Dark ; 54.5; 108; Alp Col ; 2.65; 15200;occ; 109; 0;44798
13; 6876.6; 24-SEP-2010 16:25:33; Dark ; 50.5; 157; The1Eri ; 2.91; 9300;occ; 101; 0;44798
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2; 2167.0; 24-SEP-2010 16:47:39; Bright; 38.0; 90; 54Alp Peg ; 2.49; 11000;occ; 76; 0;44798
3; 2390.4; 24-SEP-2010 16:51:23; Bright; 40.0; 93; 53Bet Peg ; 2.52; 3100;occ; 80; 0;44798
4; 2979.2; 24-SEP-2010 17:01:12; Bright; 41.5; 74; 11Bet Cas ; 2.27; 6600;occ; 83; 0;44798
5; 3072.2; 24-SEP-2010 17:02:45; Bright; 41.5; 76; 27Gam Cas ; 2.30; 30000;occ; 83; 0;44798
6; 4498.5; 24-SEP-2010 17:26:31; Bright; 47.0; 24; 66Alp Gem ; 1.58; 10200;occ; 94; 0;44798
7; 5080.4; 24-SEP-2010 17:36:13; Dark ; 64.5; 8; 10Alp CMI ; 0.40; 6500;occ; 129; 0;44798
8; 5517.9; 24-SEP-2010 17:43:30; Dark ; 47.0; 132; 15Rho Pup ; 2.80; 6900;occ; 94; 0;44798
9; 5712.6; 24-SEP-2010 17:46:45; Dark ; 44.0; 88; 31Eta CMA ; 2.45; 20000;occ; 88; 0;44798
10; 5798.8; 24-SEP-2010 17:48:11; Dark ; 56.0; 23; 21Eps CMA ; 1.50; 26000;occ; 112; 0;44798
11; 5928.8; 24-SEP-2010 17:50:21; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;44798
12; 6056.1; 24-SEP-2010 17:52:28; Dark ; 41.5; 161; Tau Pup ; 2.93; 4500;occ; 83; 0;44799
13; 6204.5; 24-SEP-2010 17:54:57; Dark ; 55.5; 108; Alp Col ; 2.65; 15200;occ; 111; 0;44799
14; 6877.4; 24-SEP-2010 18:06:10; Dark ; 51.0; 157; The1Eri ; 2.91; 9300;occ; 102; 0;44799
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2; 2166.9; 24-SEP-2010 18:28:15; Bright; 38.0; 90; 54Alp Peg ; 2.49; 11000;occ; 76; 0;44799
3; 2390.1; 24-SEP-2010 18:31:59; Bright; 37.0; 93; 53Bet Peg ; 2.52; 3100;occ; 74; 0;44799
4; 2978.8; 24-SEP-2010 18:41:47; Bright; 38.5; 74; 11Bet Cas ; 2.27; 6600;occ; 77; 0;44799
5; 3071.7; 24-SEP-2010 18:43:20; Bright; 41.5; 76; 27Gam Cas ; 2.30; 30000;occ; 83; 0;44799
6; 4498.7; 24-SEP-2010 19:07:07; Bright; 70.0; 24; 66Alp Gem ; 1.58; 10200;occ; 140; 0;44799
7; 5081.2; 24-SEP-2010 19:16:50; Dark ; 66.5; 8; 10Alp CMI ; 0.40; 6500;occ; 133; 0;44799
8; 5518.4; 24-SEP-2010 19:24:07; Dark ; 44.5; 132; 15Rho Pup ; 2.80; 6900;occ; 89; 0;44799
9; 5713.4; 24-SEP-2010 19:27:22; Dark ; 44.5; 88; 31Eta CMA ; 2.45; 20000;occ; 89; 0;44799
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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
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8; 5128.1; 28-SEP-2010 17:11:08; Dark ; 65.0; 8; 10Alp CMi ; 0.40; 6500;occ; 130; 0;44855
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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
15; 6287.4; 28-SEP-2010 17:30:27; Dark ; 51.0; 108; Alp Col ; 2.65; 15200;occ; 102; 0;44856
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4; 2687.0; 28-SEP-2010 18:11:03; Bright; 48.5; 53; 43Bet And ; 2.05; 3300;occ; 97; 0;44856
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3; 2445.9; 28-SEP-2010 19:47:38; Bright; 42.5; 58; 21Alp And ; 2.07; 11000;occ; 85; 0;44857
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
6; 3045.9; 28-SEP-2010 19:57:38; Bright; 41.0; 76; 27Gam Cas ; 2.30; 30000;occ; 82; 0;44857
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6; 257.3; 29-SEP-2010 00:12:57; Dark ; 46.0; 108; Alp Col ; 2.65; 15200;occ; 92; 0;44860
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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15; 2959.3; 29-SEP-2010 04:19:10; Bright; 38.5; 74; 11Bet Cas ; 2.27; 6600;occ; 77; 0;44862
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10; 7591.3; 30-SEP-2010 05:04:45; Dark ; 51.0; 52; 16Bet Cet ; 2.04; 4500;occ; 102; 0;44877
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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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
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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
7; 911.4; 30-SEP-2010 21:40:01; Dark ; 51.0; 157; The1Eri ; 2.91; 9300;occ; 102; 0;44887
8; 1556.4; 30-SEP-2010 21:50:46; Dark ; 48.0; 52; 16Bet Cet ; 2.04; 4500;occ; 96; 0;44887
9; 2186.4; 30-SEP-2010 22:01:16; Bright; 39.5; 140; 88Gam Peg ; 2.83; 26000;occ; 79; 0;44887
10; 2436.3; 30-SEP-2010 22:05:26; Bright; 44.5; 58; 21Alp And ; 2.07; 11000;occ; 89; 0;44887
11; 2663.7; 30-SEP-2010 22:09:13; Bright; 45.5; 53; 43Bet And ; 2.05; 3300;occ; 91; 0;44887
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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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5; 299.1; 30-SEP-2010 23:10:24; Dark ; 58.0; 108; Alp Col ; 2.65; 15200;occ; 116; 0;44888
6; 912.0; 30-SEP-2010 23:20:37; Dark ; 50.0; 157; The1Eri ; 2.91; 9300;occ; 100; 0;44888
7; 1556.5; 30-SEP-2010 23:31:22; Dark ; 56.0; 52; 16Bet Cet ; 2.04; 4500;occ; 112; 0;44888
8; 2185.9; 30-SEP-2010 23:41:51; Bright; 41.0; 140; 88Gam Peg ; 2.83; 26000;occ; 82; 0;44888
9; 2436.0; 30-SEP-2010 23:46:01; Bright; 40.0; 58; 21Alp And ; 2.07; 11000;occ; 80; 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
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4; -131.7; 30-SEP-2010 07:57:50; Dark ; 48.0; 117; Pi Pup ; 2.71; 3800;occ; 96; 0;44878
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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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
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9; 5577.9; 30-SEP-2010 12:54:12; Dark ; 46.5; 132; 15Rho Pup ; 2.80; 6900;occ; 93; 0;44881
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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
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4; 2666.8; 30-SEP-2010 15:26:52; Bright; 49.5; 53; 43Bet And ; 2.05; 3300;occ; 99; 0;44883
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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
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12; 5988.2; 30-SEP-2010 16:22:14; Dark ; 59.0; 0; ; 0.00; 0;occ; 118; 0;44883
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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
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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
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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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4; 2665.2; 30-SEP-2010 18:48:03; Bright; 47.5; 53; 43Bet And ; 2.05; 3300;occ; 95; 0;44885
5; 2952.9; 30-SEP-2010 18:52:50; Bright; 39.0; 74; 11Bet Cas ; 2.27; 6600;occ; 78; 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	
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