

GOMOS Daily Report 06-MAY-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	09MAY2010 04:50:29
Data source version	GOMOS/5.00L04
Start time of products	06MAY2010 00:10:07
Stop time of products	06MAY2010 23:54:18
Store outputs in DB	Yes
Nb of level 1b prods	109
Nb of prods with errors	1

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

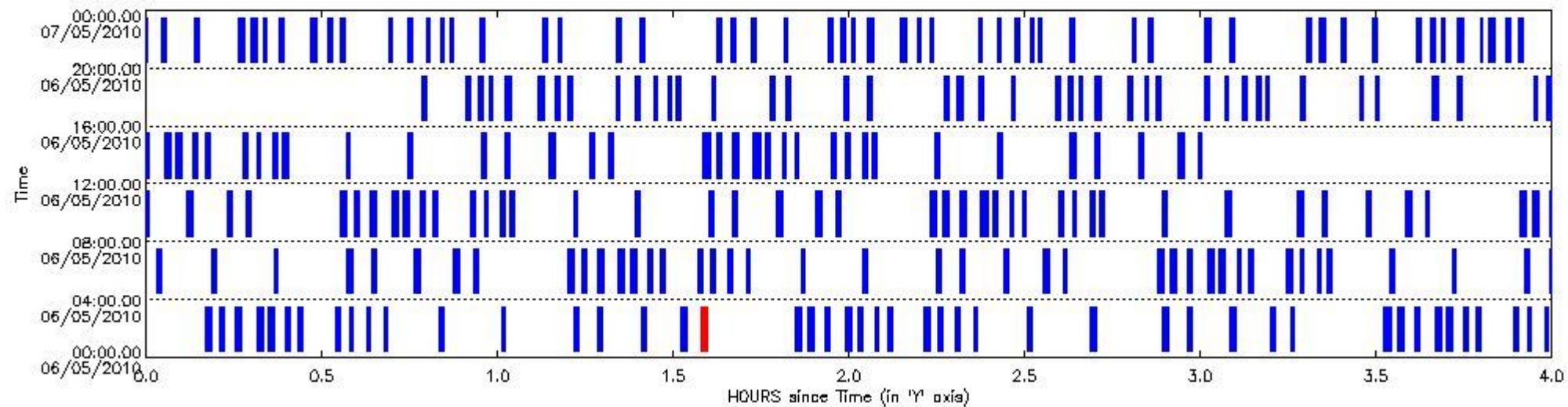
2.1 Level 0 products arrived in PCF (see template [here](#))

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
06-MAY-2010 01:34:50	GamGru	172	42770

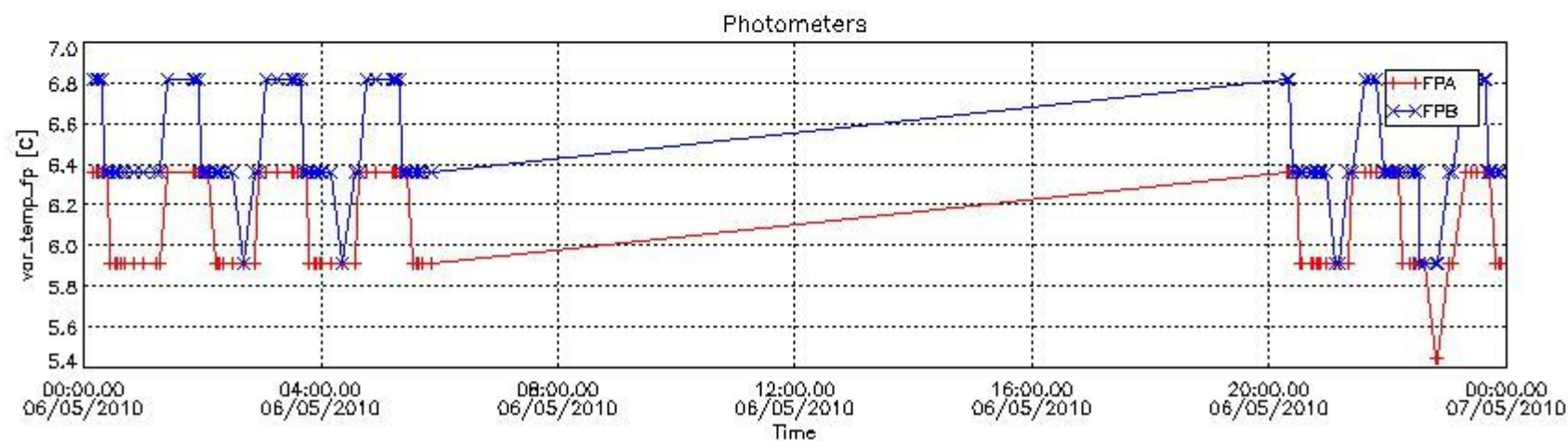
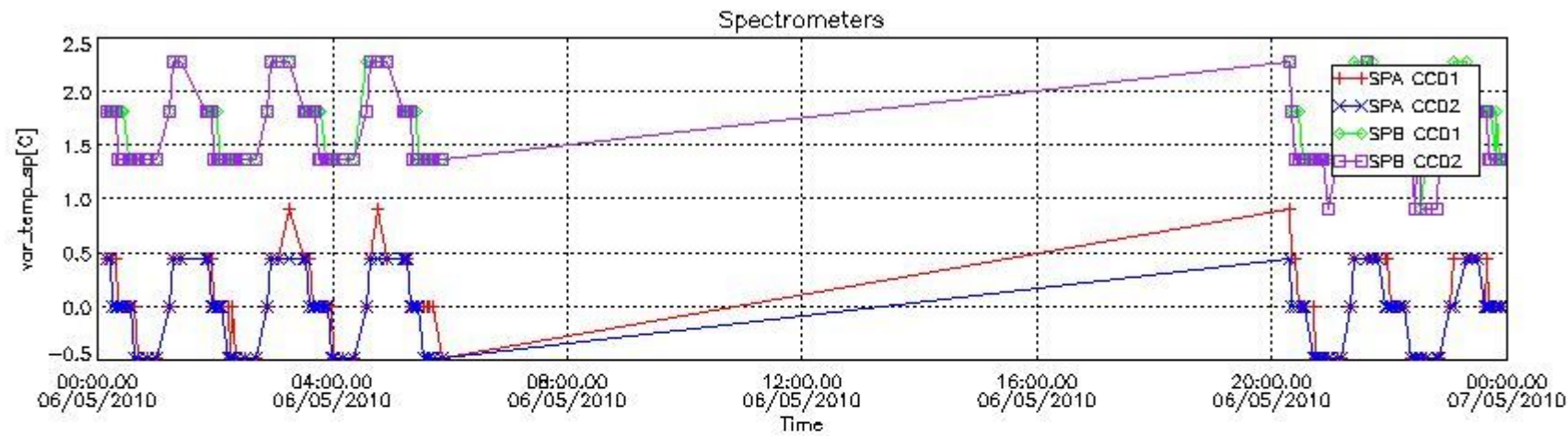
2.4 Summary of processed GOM_TRA_1P products

Nr	Filename	UTC Start time	Limb	Duration	Star Id	Star Name	Star Mag	Star Temp	Nb Meas	Orbit	Prod. error
1	GOM_TRA_1PNPDE20100506_001007_000000692089_00131_42770_9112.N1	06-MAY-2010 00:10:07	Straylight	69.000	38	20Eps Sgr	1.8360	11000.	138	42770	No
2	GOM_TRA_1PNPDE20100506_001225_000000582089_00131_42770_9113.N1	06-MAY-2010 00:12:25	Straylight	58.000	25	35Lam Sco	1.6200	28000.	116	42770	No
3	GOM_TRA_1PNPDE20100506_001516_000000582089_00131_42770_9114.N1	06-MAY-2010 00:15:16	Straylight	58.000	75	26Eps Sco	2.2910	4250.0	116	42770	No
4	GOM_TRA_1PNPDE20100506_001847_000000752089_00131_42770_9115.N1	06-MAY-2010 00:18:47	Twilight_and_stray	75.000	16	21Alp Sco	1.0200	3000.0	150	42770	No
5	GOM_TRA_1PNPDE20100506_002050_000000572089_00131_42770_9116.N1	06-MAY-2010 00:20:50	Twilight_and_stray	56.500	80	7Del Sco	2.3160	30000.	113	42770	No
6	GOM_TRA_1PNPDE20100506_002348_000000422089_00131_42770_9117.N1	06-MAY-2010 00:23:48	Bright	41.500	122	9Alp2Lib	2.7470	9700.0	83	42770	No
7	GOM_TRA_1PNPDE20100506_002555_000000462089_00131_42770_9118.N1	06-MAY-2010 00:25:55	Bright	46.000	104	27Bet Lib	2.6140	13100.	92	42770	No
8	GOM_TRA_1PNPDE20100506_003217_000000572089_00131_42770_9119.N1	06-MAY-2010 00:32:17	Bright	56.500	102	24Alp Ser	2.6000	4250.0	113	42770	No
9	GOM_TRA_1PNPDE20100506_003438_000000432089_00131_42770_9120.N1	06-MAY-2010 00:34:38	Bright	42.500	3	16Alp Boo	-0.050000	4250.0	85	42770	No
10	GOM_TRA_1PNPDE20100506_003734_000000462089_00131_42770_9121.N1	06-MAY-2010 00:37:34	Bright	45.500	83		2.3780	11000.	91	42770	No

11	GOM_TRA_1PNPDE20100506_004038_000000392089_00131_42770_9122.N1	06-MAY-2010 00:40:38	Bright	38.500	180	27Gam Boo	3.0400	8000.0	77	42770	No
12	GOM_TRA_1PNPDE20100506_004959_000000442089_00131_42770_9123.N1	06-MAY-2010 00:49:59	Bright	44.000	119	14Eta Dra	2.7270	4700.0	88	42770	No
13	GOM_TRA_1PNPDE20100506_010036_000000422089_00131_42770_9124.N1	06-MAY-2010 01:00:36	Bright	42.000	89	5Alp Cep	2.4510	8000.0	84	42770	No
14	GOM_TRA_1PNPDE20100506_011259_000000522089_00131_42770_9125.N1	06-MAY-2010 01:12:59	Tw_i_and_stray	52.000	93	53Bet Peg	2.5200	3100.0	104	42770	No
15	GOM_TRA_1PNPDE20100506_011708_000000442089_00131_42770_9126.N1	06-MAY-2010 01:17:08	Dark	44.000	90	54Alp Peg	2.4870	11000.	88	42770	No
16	GOM_TRA_1PNPDE20100506_012429_000000592089_00131_42770_9129.N1	06-MAY-2010 01:24:29	Dark	59.000	162	34Alp Aqr	2.9440	5350.0	118	42770	No
17	GOM_TRA_1PNPDE20100506_015044_000000642089_00132_42771_9130.N1	06-MAY-2010 01:50:44	Straylight	64.000	38	20Eps Sgr	1.8360	11000.	128	42771	No
18	GOM_TRA_1PNPDE20100506_015302_000000572089_00132_42771_9131.N1	06-MAY-2010 01:53:02	Straylight	56.500	25	35Lam Sco	1.6200	28000.	113	42771	No
19	GOM_TRA_1PNPDE20100506_015553_000000552089_00132_42771_9132.N1	06-MAY-2010 01:55:53	Straylight	55.000	75	26Eps Sco	2.2910	4250.0	110	42771	No
20	GOM_TRA_1PNPDE20100506_015924_000000652089_00132_42771_9133.N1	06-MAY-2010 01:59:24	Tw_i_and_stray	65.000	16	21Alp Sco	1.0200	3000.0	130	42771	No
21	GOM_TRA_1PNPDE20100506_020126_000000582089_00132_42771_9134.N1	06-MAY-2010 02:01:26	Tw_i_and_stray	58.000	80	7Del Sco	2.3160	30000.	116	42771	No
22	GOM_TRA_1PNPDE20100506_020424_000000402089_00132_42771_9135.N1	06-MAY-2010 02:04:24	Bright	40.000	122	9Alp2Lib	2.7470	9700.0	80	42771	No
23	GOM_TRA_1PNPDE20100506_020632_000000452089_00132_42771_9136.N1	06-MAY-2010 02:06:32	Bright	45.000	104	27Bet Lib	2.6140	13100.	90	42771	No
24	GOM_TRA_1PNPDE20100506_021252_000000582089_00132_42771_9137.N1	06-MAY-2010 02:12:52	Bright	57.500	102	24Alp Ser	2.6000	4250.0	115	42771	No
25	GOM_TRA_1PNPDE20100506_021514_000000422089_00132_42771_9138.N1	06-MAY-2010 02:15:14	Bright	42.000	3	16Alp Boo	-0.050000	4250.0	84	42771	No
26	GOM_TRA_1PNPDE20100506_021809_000000432089_00132_42771_9139.N1	06-MAY-2010 02:18:09	Bright	43.000	83		2.3780	11000.	86	42771	No
27	GOM_TRA_1PNPDE20100506_022113_000000402089_00132_42771_9140.N1	06-MAY-2010 02:21:13	Bright	40.000	180	27Gam Boo	3.0400	8000.0	80	42771	No
28	GOM_TRA_1PNPDE20100506_023034_000000442089_00132_42771_9141.N1	06-MAY-2010 02:30:34	Bright	44.000	119	14Eta Dra	2.7270	4700.0	88	42771	No
29	GOM_TRA_1PNPDE20100506_024112_000000612089_00132_42771_9156.N1	06-MAY-2010 02:41:12	Bright	60.500	89	5Alp Cep	2.4510	8000.0	121	42771	No
30	GOM_TRA_1PNPDE20100506_025336_000000512089_00132_42771_9157.N1	06-MAY-2010 02:53:36	Tw_i_and_stray	50.500	93	53Bet Peg	2.5200	3100.0	101	42771	No
31	GOM_TRA_1PNPDE20100506_025744_000000462089_00132_42771_9158.N1	06-MAY-2010 02:57:44	Dark	45.500	90	54Alp Peg	2.4870	11000.	91	42771	No
32	GOM_TRA_1PNPDE20100506_030506_000000612089_00132_42771_9159.N1	06-MAY-2010 03:05:06	Dark	60.500	162	34Alp Aqr	2.9440	5350.0	121	42771	No
33	GOM_TRA_1PNPDE20100506_031519_000000432089_00132_42771_9160.N1	06-MAY-2010 03:15:19	Dark	42.500	172	Gam Gru	3.0030	13100.	85	42771	No
34	GOM_TRA_1PNPDE20100506_033121_000000742089_00133_42772_9161.N1	06-MAY-2010 03:31:21	Straylight	73.500	38	20Eps Sgr	1.8360	11000.	147	42772	No
35	GOM_TRA_1PNPDE20100506_033338_000000592089_00133_42772_9162.N1	06-MAY-2010 03:33:38	Straylight	58.500	25	35Lam Sco	1.6200	28000.	117	42772	No
36	GOM_TRA_1PNPDE20100506_033629_000000572089_00133_42772_9163.N1	06-MAY-2010 03:36:29	Straylight	56.500	75	26Eps Sco	2.2910	4250.0	113	42772	No
37	GOM_TRA_1PNPDE20100506_034000_000000732089_00133_42772_9164.N1	06-MAY-2010 03:40:00	Tw_i_and_stray	72.500	16	21Alp Sco	1.0200	3000.0	145	42772	No
38	GOM_TRA_1PNPDE20100506_034202_000000592089_00133_42772_9165.N1	06-MAY-2010 03:42:02	Tw_i_and_stray	59.000	80	7Del Sco	2.3160	30000.	118	42772	No
39	GOM_TRA_1PNPDE20100506_034500_000000422089_00133_42772_9166.N1	06-MAY-2010 03:45:00	Bright	41.500	122	9Alp2Lib	2.7470	9700.0	83	42772	No
40	GOM_TRA_1PNPDE20100506_034707_000000442089_00133_42772_9167.N1	06-MAY-2010 03:47:07	Bright	43.500	104	27Bet Lib	2.6140	13100.	87	42772	No
41	GOM_TRA_1PNPDE20100506_035328_000000542089_00133_42772_9168.N1	06-MAY-2010 03:53:28	Bright	54.000	102	24Alp Ser	2.6000	4250.0	108	42772	No
42	GOM_TRA_1PNPDE20100506_035550_000000402089_00133_42772_9169.N1	06-MAY-2010 03:55:50	Bright	40.000	3	16Alp Boo	-0.050000	4250.0	80	42772	No
43	GOM_TRA_1PNPDE20100506_035845_000000432089_00133_42772_9170.N1	06-MAY-2010 03:58:45	Bright	42.500	83		2.3780	11000.	85	42772	No
44	GOM_TRA_1PNPDE20100506_040149_000000412089_00133_42772_9171.N1	06-MAY-2010 04:01:49	Bright	40.500	180	27Gam Boo	3.0400	8000.0	81	42772	No
45	GOM_TRA_1PNPDE20100506_041110_000000442089_00133_42772_9172.N1	06-MAY-2010 04:11:10	Bright	44.000	119	14Eta Dra	2.7270	4700.0	88	42772	No
46	GOM_TRA_1PNPDE20100506_042147_000000442089_00133_42772_9180.N1	06-MAY-2010 04:21:47	Bright	44.000	89	5Alp Cep	2.4510	8000.0	88	42772	No
47	GOM_TRA_1PNPDE20100506_043411_000000592089_00133_42772_9181.N1	06-MAY-2010 04:34:11	Tw_i_and_stray	59.000	93	53Bet Peg	2.5200	3100.0	118	42772	No
48	GOM_TRA_1PNPDE20100506_043820_000000492089_00133_42772_9182.N1	06-MAY-2010 04:38:20	Dark	48.500	90	54Alp Peg	2.4870	11000.	97	42772	No
49	GOM_TRA_1PNPDE20100506_044543_000000612089_00133_42772_9183.N1	06-MAY-2010 04:45:43	Dark	60.500	162	34Alp Aqr	2.9440	5350.0	121	42772	No
50	GOM_TRA_1PNPDE20100506_045555_000000442089_00133_42772_9184.N1	06-MAY-2010 04:55:55	Dark	44.000	172	Gam Gru	3.0030	13100.	88	42772	No
51	GOM_TRA_1PNPDE20100506_051158_000000712089_00134_42773_9185.N1	06-MAY-2010 05:11:58	Straylight	71.000	38	20Eps Sgr	1.8360	11000.	142	42773	No
52	GOM_TRA_1PNPDE20100506_051415_000000552089_00134_42773_9186.N1	06-MAY-2010 05:14:15	Straylight	55.000	25	35Lam Sco	1.6200	28000.	110	42773	No
53	GOM_TRA_1PNPDE20100506_051706_000000582089_00134_42773_9187.N1	06-MAY-2010 05:17:06	Straylight	58.000	75	26Eps Sco	2.2910	4250.0	116	42773	No
54	GOM_TRA_1PNPDE20100506_052036_000000662089_00134_42773_9188.N1	06-MAY-2010 05:20:36	Tw_i_and_stray	66.000	16	21Alp Sco	1.0200	3000.0	132	42773	No
55	GOM_TRA_1PNPDE20100506_052238_000000602089_00134_42773_9189.N1	06-MAY-2010 05:22:38	Tw_i_and_stray	59.500	80	7Del Sco	2.3160	30000.	119	42773	No
56	GOM_TRA_1PNPDE20100506_052536_000000432089_00134_42773_9190.N1	06-MAY-2010 05:25:36	Bright	42.500	122	9Alp2Lib	2.7470	9700.0	85	42773	No
57	GOM_TRA_1PNPDE20100506_052743_000000452089_00134_42773_9191.N1	06-MAY-2010 05:27:43	Bright	45.000	104	27Bet Lib	2.6140	13100.	90	42773	No
58	GOM_TRA_1PNPDE20100506_053403_000000552089_00134_42773_9192.N1	06-MAY-2010 05:34:03	Bright	55.000	102	24Alp Ser	2.6000	4250.0	110	42773	No
59	GOM_TRA_1PNPDE20100506_053626_000000392089_00134_42773_9193.N1	06-MAY-2010 05:36:26	Bright	39.000	3	16Alp Boo	-0.050000	4250.0	78	42773	No
60	GOM_TRA_1PNPDE20100506_053921_000000442089_00134_42773_9194.N1	06-MAY-2010 05:39:21	Bright	44.000	83		2.3780	11000.	88	42773	No
61	GOM_TRA_1PNPDE20100506_054225_000000402089_00134_42773_9195.N1	06-MAY-2010 05:42:25	Bright	40.000	180	27Gam Boo	3.0400	8000.0	80	42773	No
62	GOM_TRA_1PNPDE20100506_055145_000000452089_00134_42773_9196.N1	06-MAY-2010 05:51:45	Bright	44.500	119	14Eta Dra	2.7270	4700.0	89	42773	No
63	GOM_TRA_1PNPDE20100506_201757_000000512089_00143_42782_9298.N1	06-MAY-2010 20:17:57	Straylight	50.500	40	The Sco	1.8590	7100.0	101	42782	Yes
64	GOM_TRA_1PNPDE20100506_201951_000000362089_00143_42782_9299.N1	06-MAY-2010 20:19:51	Straylight	36.000	115	34Ups Sco	2.6960	26000.	72	42782	No
65	GOM_TRA_1PNPDE20100506_202235_000000562089_00143_42782_9300.N1	06-MAY-2010 20:22:35	Straylight	56.000	75	26Eps Sco	2.2910	4250.0	112	42782	No
66	GOM_TRA_1PNPDE20100506_202804_000000612089_00143_42782_9301.N1	06-MAY-2010 20:28:04	Tw_i_and_stray	61.000	80	7Del Sco	2.3160	30000.	122	42782	No
67	GOM_TRA_1PNPDE20100506_203101_000000412089_00143_42782_9302.N1	06-MAY-2010 20:31:01	Bright	41.000	122	9Alp2Lib	2.7470	9700.0	82	42782	No
68	GOM_TRA_1PNPDE20100506_203306_000000452089_00143_42782_9303.N1	06-MAY-2010 20:33:06	Bright	44.500	104	27Bet Lib	2.6140	13100.	89	42782	No
69	GOM_TRA_1PNPDE20100506_204125_000000372089_00143_42782_9304.N1	06-MAY-2010 20:41:25	Bright	37.000	111	8Eta Boo	2.6800	6000.0	74	42782	No

70	GOM_TRA_1PNPDE20100506_204441_000000432089_00143_42782_9305.N1	06-MAY-2010 20:44:41	Bright	42.500	83		2.3780	11000.	85	42782	No
71	GOM_TRA_1PNPDE20100506_204745_000000402089_00143_42782_9306.N1	06-MAY-2010 20:47:45	Bright	40.000	180	27Gam Boo	3.0400	8000.0	80	42782	No
72	GOM_TRA_1PNPDE20100506_205017_000000392089_00143_42782_9307.N1	06-MAY-2010 20:50:17	Bright	38.500	39	85Eta UMa	1.8540	24000.	77	42782	No
73	GOM_TRA_1PNPDE20100506_205143_000000382089_00143_42782_9308.N1	06-MAY-2010 20:51:43	Bright	37.500	55	79Zet UMa	2.0600	10200.	75	42782	No
74	GOM_TRA_1PNPDE20100506_205703_000000442089_00143_42782_9309.N1	06-MAY-2010 20:57:03	Bright	44.000	119	14Eta Dra	2.7270	4700.0	88	42782	No
75	GOM_TRA_1PNPDE20100506_210743_000000402089_00143_42782_9310.N1	06-MAY-2010 21:07:43	Bright	40.000	89	5Alp Cep	2.4510	8000.0	80	42782	No
76	GOM_TRA_1PNPDE20100506_211027_000000342089_00143_42782_9311.N1	06-MAY-2010 21:10:27	Bright	34.000	74	11Bet Cas	2.2680	6600.0	68	42782	No
77	GOM_TRA_1PNPDE20100506_212013_000000532089_00143_42782_9312.N1	06-MAY-2010 21:20:13	Twilight	52.500	93	53Bet Peg	2.5200	3100.0	105	42782	No
78	GOM_TRA_1PNPDE20100506_212424_000000452089_00143_42782_9313.N1	06-MAY-2010 21:24:24	Dark	44.500	90	54Alp Peg	2.4870	11000.	89	42782	No
79	GOM_TRA_1PNPDE20100506_213728_000000472089_00143_42782_9316.N1	06-MAY-2010 21:37:28	Dark	47.000	18	24Alp PsA	1.1660	9700.0	94	42782	No
80	GOM_TRA_1PNPDE20100506_214318_000000512089_00143_42782_9317.N1	06-MAY-2010 21:43:18	Dark	50.500	31	Alp Gru	1.7340	15200.	101	42782	No
81	GOM_TRA_1PNPDE20100506_214852_000000432089_00144_42783_9318.N1	06-MAY-2010 21:48:52	Dark	43.000	45	Alp Pav	1.9400	26000.	86	42783	No
82	GOM_TRA_1PNPDE20100506_215623_000000502089_00144_42783_9319.N1	06-MAY-2010 21:56:23	Straylight	50.000	141	Bet Ara	2.8400	4600.0	100	42783	No
83	GOM_TRA_1PNPDE20100506_215833_000000552089_00144_42783_9320.N1	06-MAY-2010 21:58:33	Straylight	54.500	40	The Sco	1.8590	7100.0	109	42783	No
84	GOM_TRA_1PNPDE20100506_220028_000000362089_00144_42783_9321.N1	06-MAY-2010 22:00:28	Straylight	36.000	115	34Ups Sco	2.6960	26000.	72	42783	No
85	GOM_TRA_1PNPDE20100506_220311_000000582089_00144_42783_9322.N1	06-MAY-2010 22:03:11	Straylight	57.500	75	26Eps Sco	2.2910	4250.0	115	42783	No
86	GOM_TRA_1PNPDE20100506_220840_000000632089_00144_42783_9323.N1	06-MAY-2010 22:08:40	Twilight	63.000	80	7Del Sco	2.3160	30000.	126	42783	No
87	GOM_TRA_1PNPDE20100506_221137_000000412089_00144_42783_9324.N1	06-MAY-2010 22:11:37	Bright	40.500	122	9Alp2Lib	2.7470	9700.0	81	42783	No
88	GOM_TRA_1PNPDE20100506_221342_000000462089_00144_42783_9325.N1	06-MAY-2010 22:13:42	Bright	45.500	104	27Bet Lib	2.6140	13100.	91	42783	No
89	GOM_TRA_1PNPDE20100506_222201_000000372089_00144_42783_9326.N1	06-MAY-2010 22:22:01	Bright	36.500	111	8Eta Boo	2.6800	6000.0	73	42783	No
90	GOM_TRA_1PNPDE20100506_222516_000000412089_00144_42783_9327.N1	06-MAY-2010 22:25:16	Bright	41.000	83		2.3780	11000.	82	42783	No
91	GOM_TRA_1PNPDE20100506_222821_000000412089_00144_42783_9328.N1	06-MAY-2010 22:28:21	Bright	40.500	180	27Gam Boo	3.0400	8000.0	81	42783	No
92	GOM_TRA_1PNPDE20100506_223052_000000392089_00144_42783_9329.N1	06-MAY-2010 22:30:52	Bright	39.000	39	85Eta UMa	1.8540	24000.	78	42783	No
93	GOM_TRA_1PNPDE20100506_223219_000000362089_00144_42783_9330.N1	06-MAY-2010 22:32:19	Bright	35.500	55	79Zet UMa	2.0600	10200.	71	42783	No
94	GOM_TRA_1PNPDE20100506_223738_000000442089_00144_42783_9331.N1	06-MAY-2010 22:37:38	Bright	44.000	119	14Eta Dra	2.7270	4700.0	88	42783	No
95	GOM_TRA_1PNPDE20100506_224818_000000442089_00144_42783_9332.N1	06-MAY-2010 22:48:18	Bright	44.000	89	5Alp Cep	2.4510	8000.0	88	42783	No
96	GOM_TRA_1PNPDE20100506_225103_000000532089_00144_42783_9333.N1	06-MAY-2010 22:51:03	Bright	53.000	74	11Bet Cas	2.2680	6600.0	106	42783	No
97	GOM_TRA_1PNPDE20100506_230049_000000612089_00144_42783_9334.N1	06-MAY-2010 23:00:49	Twilight	60.500	93	53Bet Peg	2.5200	3100.0	121	42783	No
98	GOM_TRA_1PNPDE20100506_230500_000000482089_00144_42783_9335.N1	06-MAY-2010 23:05:00	Dark	47.500	90	54Alp Peg	2.4870	11000.	95	42783	No
99	GOM_TRA_1PNPDE20100506_231804_000000482089_00144_42783_9337.N1	06-MAY-2010 23:18:04	Dark	47.500	18	24Alp PsA	1.1660	9700.0	95	42783	No
100	GOM_TRA_1PNPDE20100506_232354_000000502089_00144_42783_9338.N1	06-MAY-2010 23:23:54	Dark	50.000	31	Alp Gru	1.7340	15200.	100	42783	No
101	GOM_TRA_1PNPDE20100506_232929_000000412089_00145_42784_9339.N1	06-MAY-2010 23:29:29	Dark	40.500	45	Alp Pav	1.9400	26000.	81	42784	No
102	GOM_TRA_1PNPDE20100506_233659_000000422089_00145_42784_9340.N1	06-MAY-2010 23:36:59	Straylight	42.000	141	Bet Ara	2.8400	4600.0	84	42784	No
103	GOM_TRA_1PNPDE20100506_233910_000000552089_00145_42784_9341.N1	06-MAY-2010 23:39:10	Straylight	55.000	40	The Sco	1.8590	7100.0	110	42784	No
104	GOM_TRA_1PNPDE20100506_234105_000000392089_00145_42784_9342.N1	06-MAY-2010 23:41:05	Straylight	39.000	115	34Ups Sco	2.6960	26000.	78	42784	No
105	GOM_TRA_1PNPDE20100506_234348_000000602089_00145_42784_9343.N1	06-MAY-2010 23:43:48	Straylight	59.500	75	26Eps Sco	2.2910	4250.0	119	42784	No
106	GOM_TRA_1PNPDE20100506_234747_000000252089_00145_42784_9344.N1	06-MAY-2010 23:47:47	Twilight	25.000	156	20Sig Sco	2.9030	28000.	50	42784	No
107	GOM_TRA_1PNPDE20100506_234916_000000532089_00145_42784_9345.N1	06-MAY-2010 23:49:16	Twilight	52.500	80	7Del Sco	2.3160	30000.	105	42784	No
108	GOM_TRA_1PNPDE20100506_235213_000000412089_00145_42784_9346.N1	06-MAY-2010 23:52:13	Bright	41.000	122	9Alp2Lib	2.7470	9700.0	82	42784	No
109	GOM_TRA_1PNPDE20100506_235418_000000452089_00145_42784_9347.N1	06-MAY-2010 23:54:18	Bright	45.000	104	27Bet Lib	2.6140	13100.	90	42784	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).

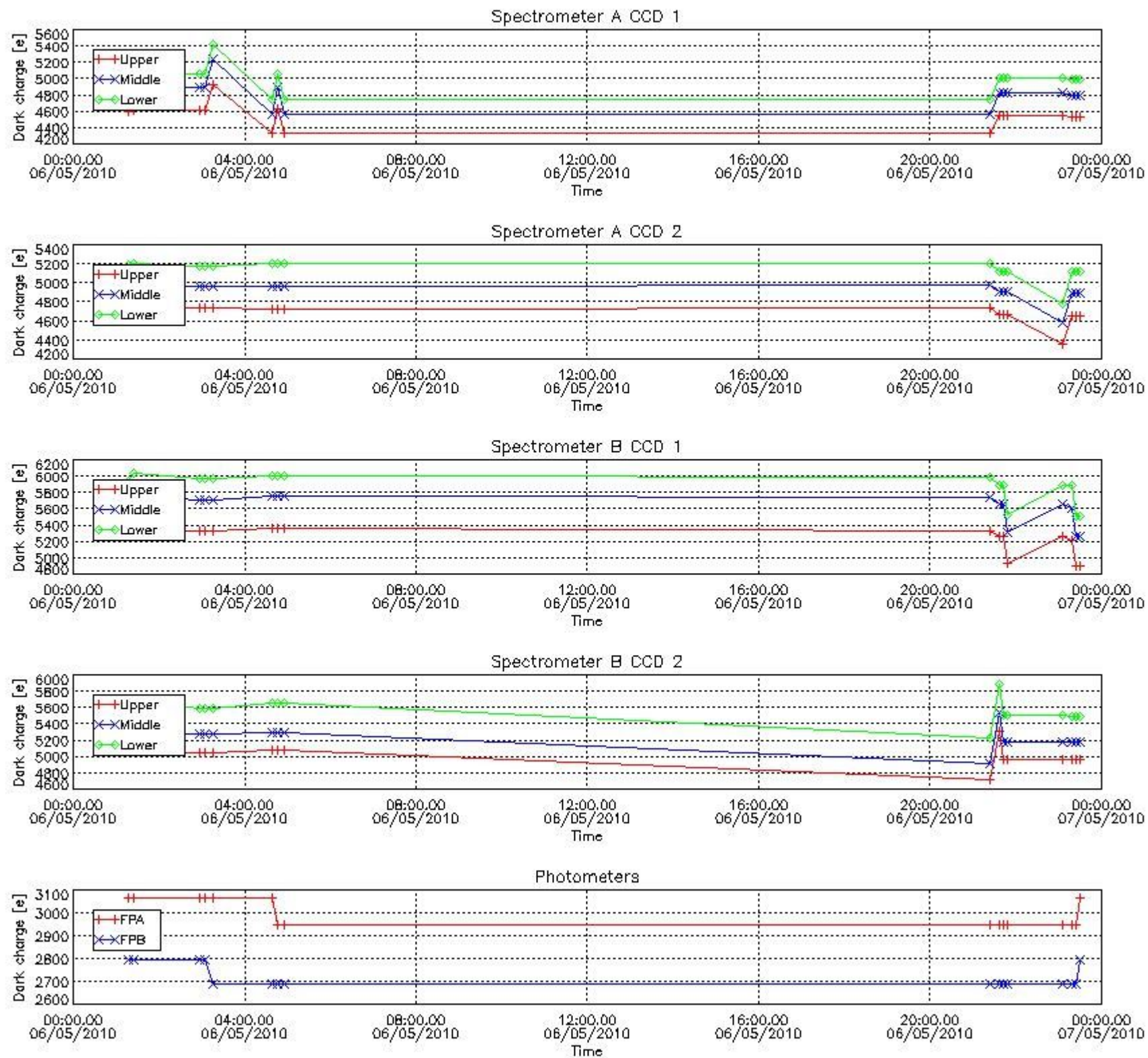
In this section a list of products that did not use the Dark Sky Area (DSA) observation for the DC computation is given. It is also provided the mean DC plot per product for dark limb products with no error flag set.

4.1 These products did not use the DSA observation for DC computation:

Product name	DC information
GOM_TRA_1PNPDE20100506_201757_000000512089_00143_42782_9298.N1	DC map with no T dep.
GOM_TRA_1PNPDE20100506_201951_000000362089_00143_42782_9299.N1	DC map used
GOM_TRA_1PNPDE20100506_202235_000000562089_00143_42782_9300.N1	DC map used
GOM_TRA_1PNPDE20100506_202804_000000612089_00143_42782_9301.N1	DC map used
GOM_TRA_1PNPDE20100506_203101_000000412089_00143_42782_9302.N1	DC map used
GOM_TRA_1PNPDE20100506_203306_000000452089_00143_42782_9303.N1	DC map used
GOM_TRA_1PNPDE20100506_204125_000000372089_00143_42782_9304.N1	DC map used
GOM_TRA_1PNPDE20100506_204441_000000432089_00143_42782_9305.N1	DC map used
GOM_TRA_1PNPDE20100506_204745_000000402089_00143_42782_9306.N1	DC map used
GOM_TRA_1PNPDE20100506_205017_000000392089_00143_42782_9307.N1	DC map used
GOM_TRA_1PNPDE20100506_205143_000000382089_00143_42782_9308.N1	DC map used
GOM_TRA_1PNPDE20100506_205703_000000442089_00143_42782_9309.N1	DC map used
GOM_TRA_1PNPDE20100506_210743_000000402089_00143_42782_9310.N1	DC map used
GOM_TRA_1PNPDE20100506_211027_000000342089_00143_42782_9311.N1	DC map used

GOM_TRA_1PNPDE20100506_212013_000000532089_00143_42782_9312.N1	DC map used
GOM_TRA_1PNPDE20100506_212424_000000452089_00143_42782_9313.N1	DC map used

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



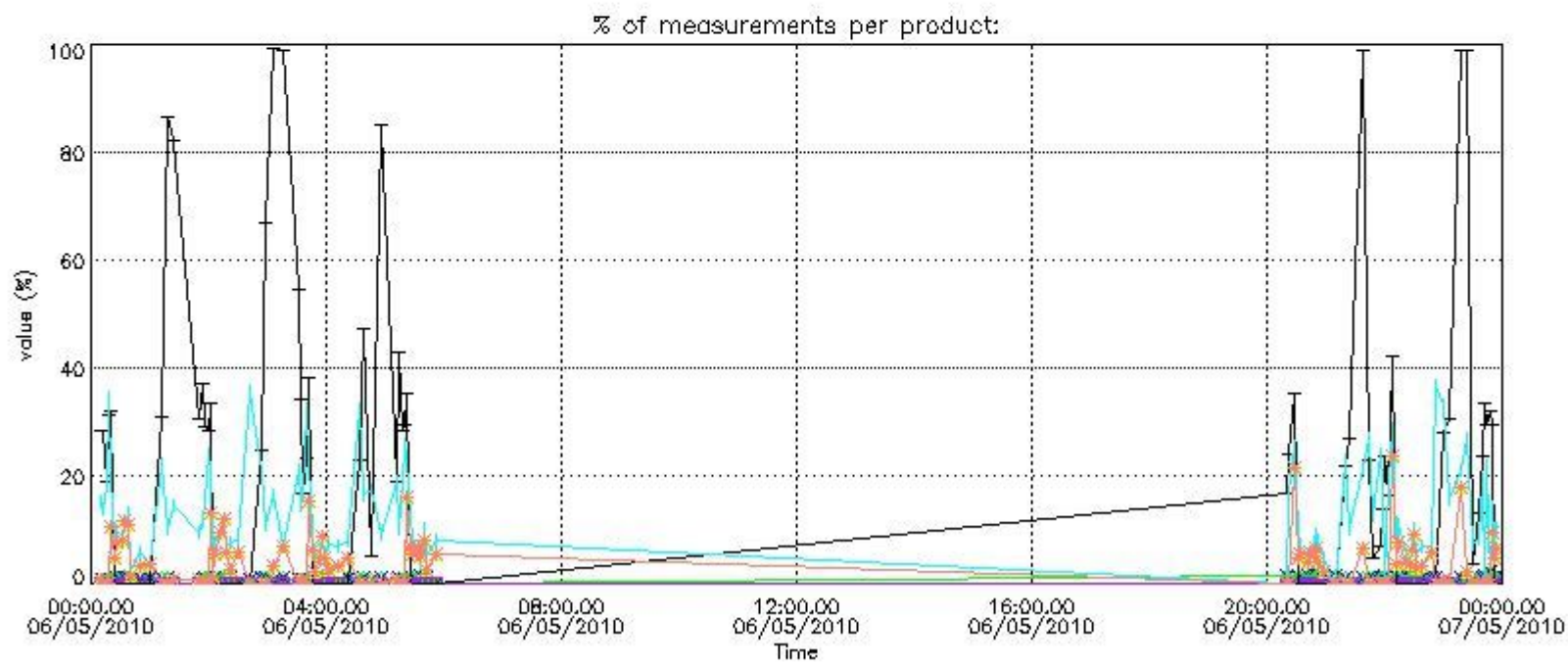
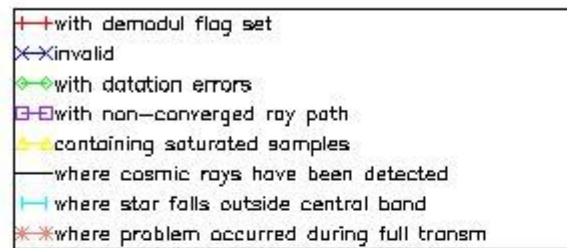
5. Demodulation flag and quality information monitoring

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.

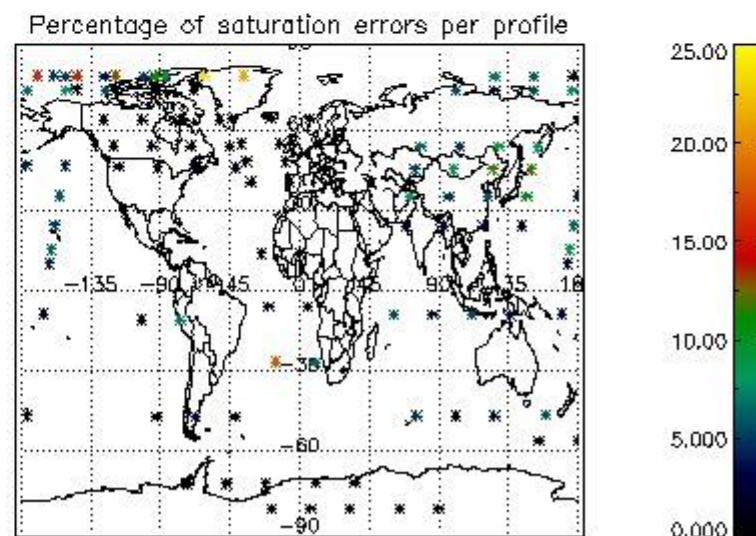
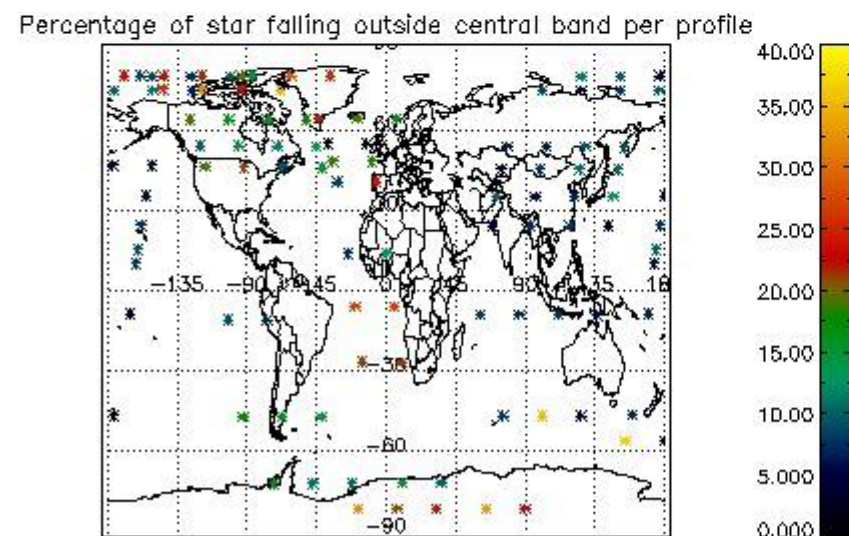
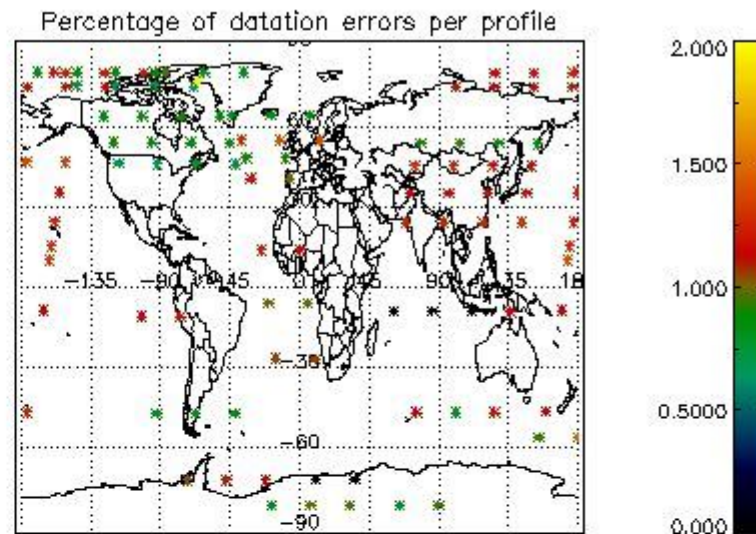
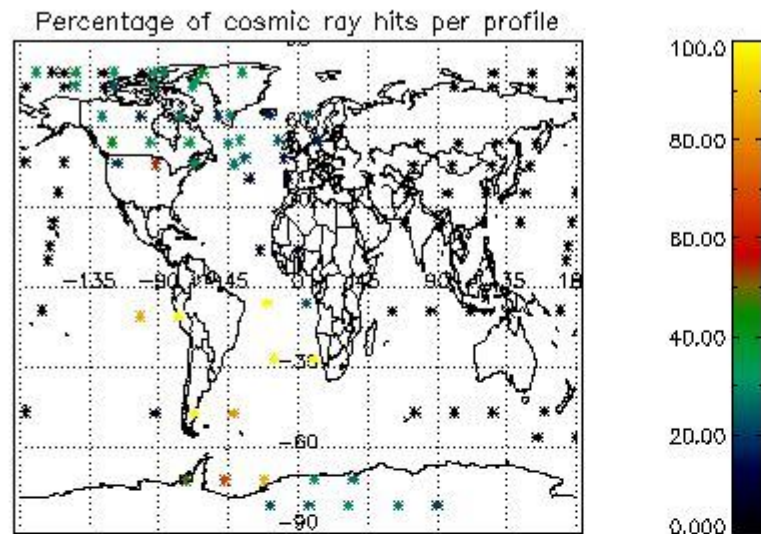
5.1 Percentage of products during reporting period with:

At least one measurement with demodulation flag set:	46.2963 %
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)



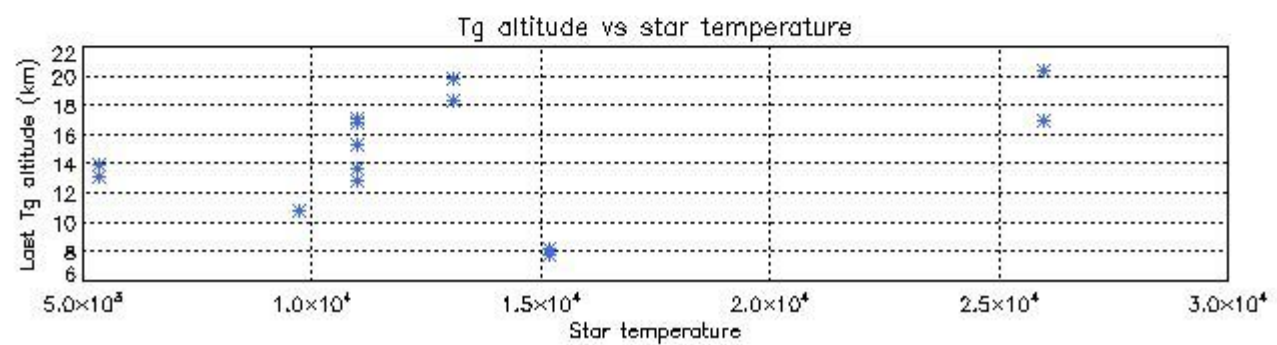
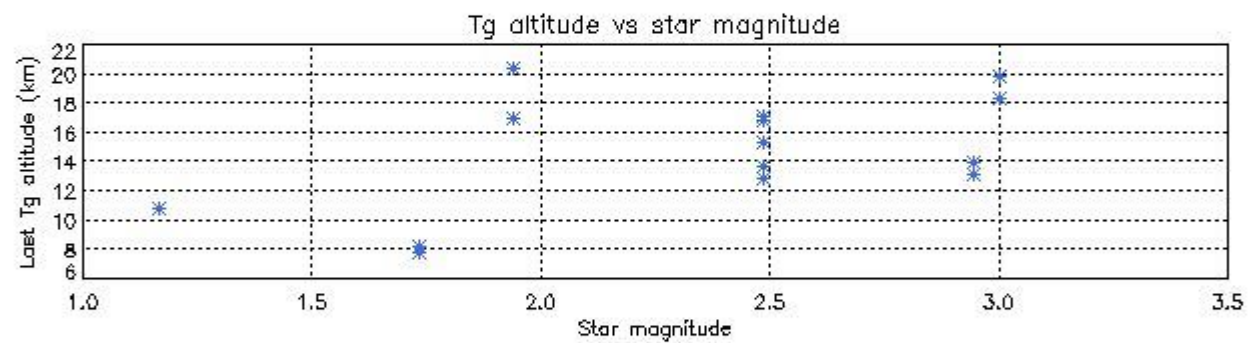
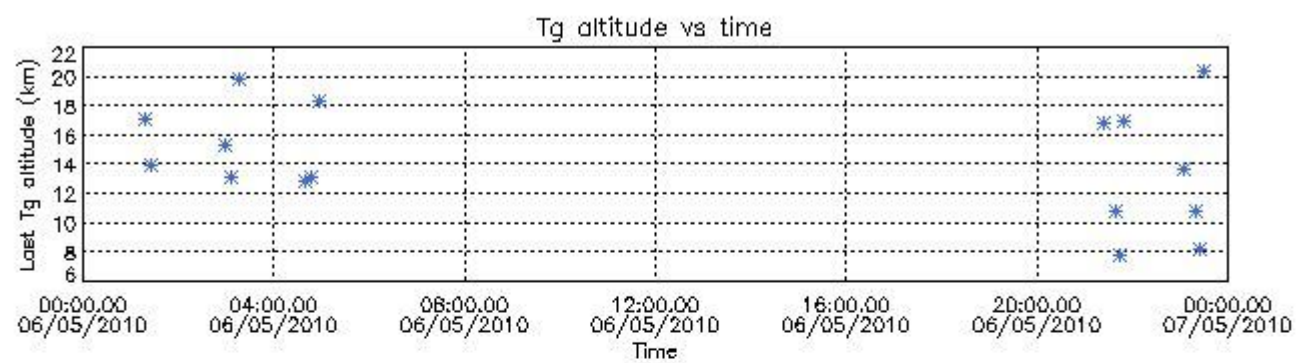
6. Statistics and plot of tangent altitude of the last measurement (DARK & BRIGHT products without errors)

6.1 Statistics on tangent altitude lost:

Statistics	DARK	BRIGHT	TWILIGHT
Mean:	14.279	19.575	NaN
St. deviation:	3.7962	3.7779	NaN
Maximum:	20.324	27.197	NaN
Minimum:	7.7522	3.9843	NaN
Number of data:	16.000	53.000	NaN

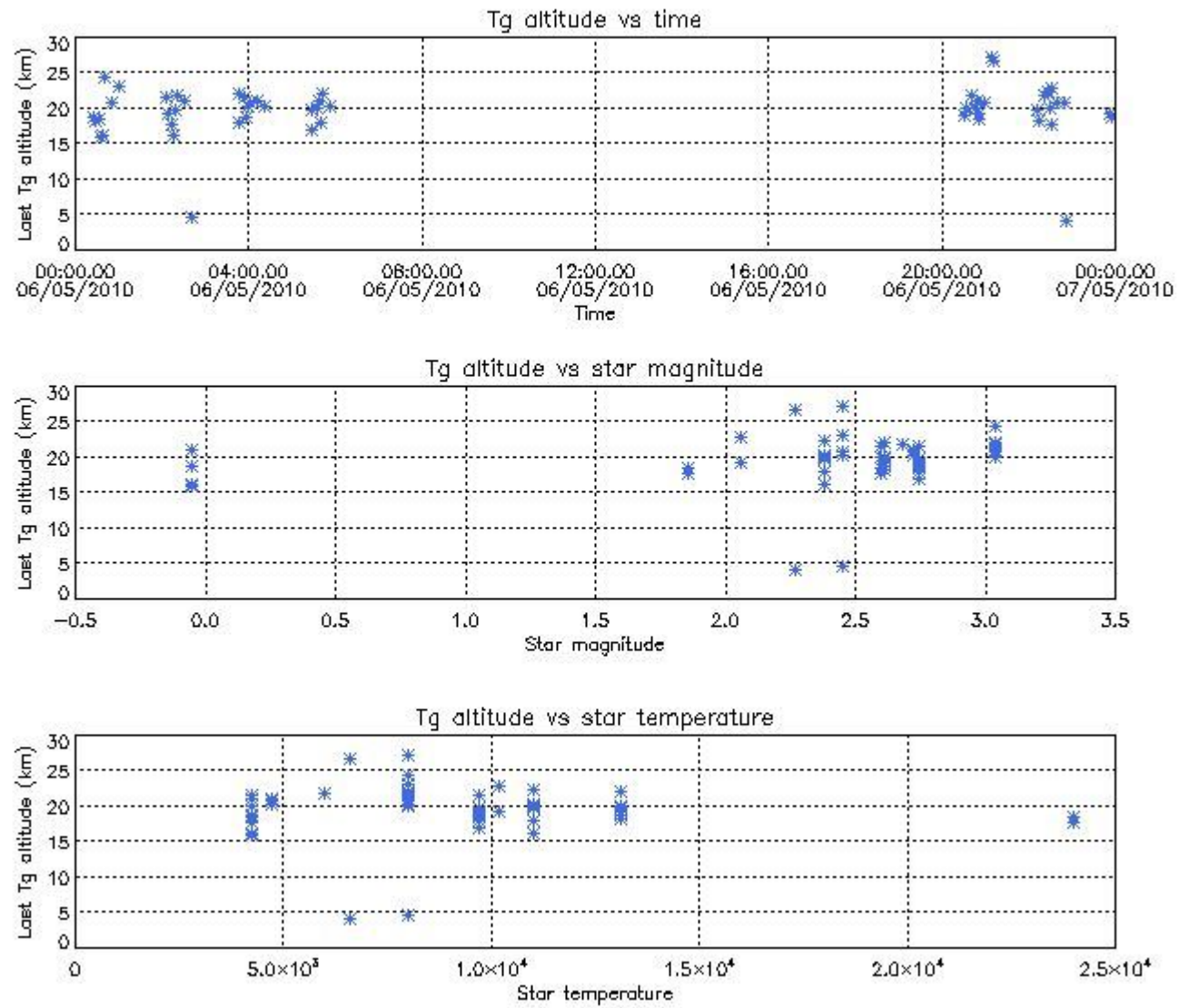
6.2 Plot for DARK limb products

Tangent altitude at which the star is lost



6.3 Plot for BRIGHT limb products

Tangent altitude at which the star is lost

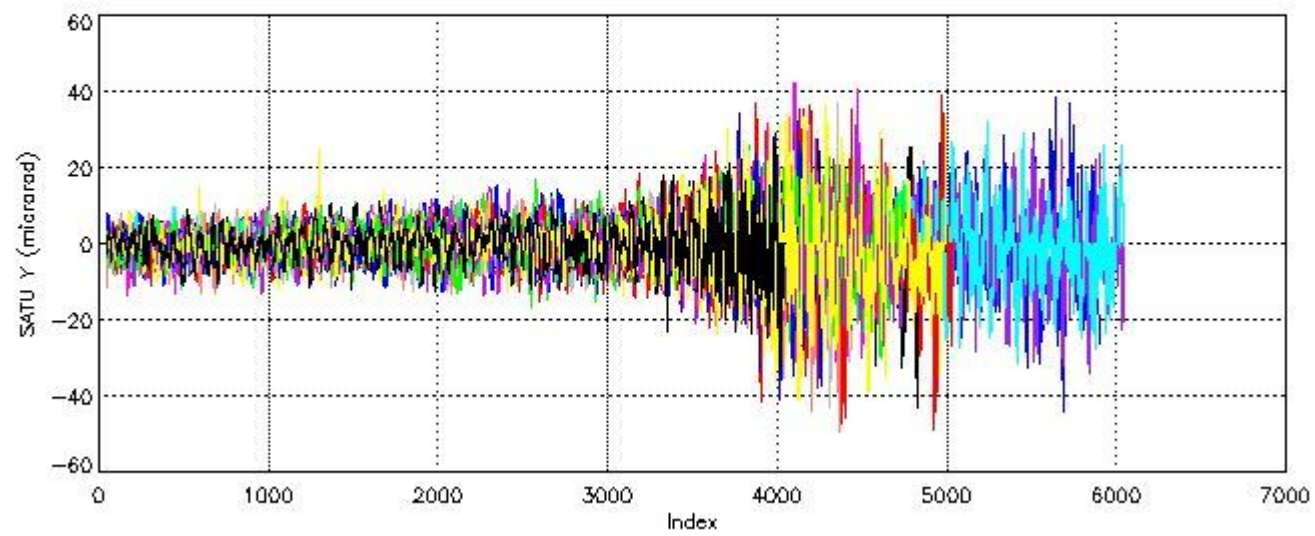
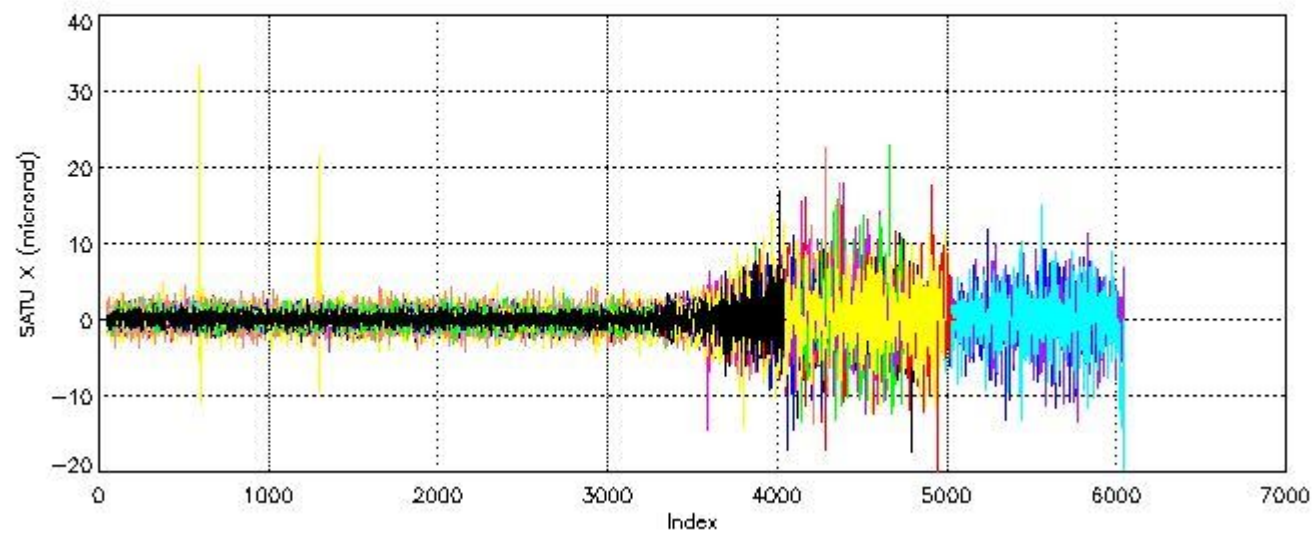


7. Star Acquisition and Tracking Unit (SATU)

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:	0.15161	-0.69878	0.25203	-0.80069
St. deviation:	0.76147	3.3359	0.89977	3.5471
Maximum:	33.200	14.700	6.3000	15.000
Minimum:	-11.100	-13.900	-6.0000	-14.900

Number of data:	16700.	16700.	53650.	53650.
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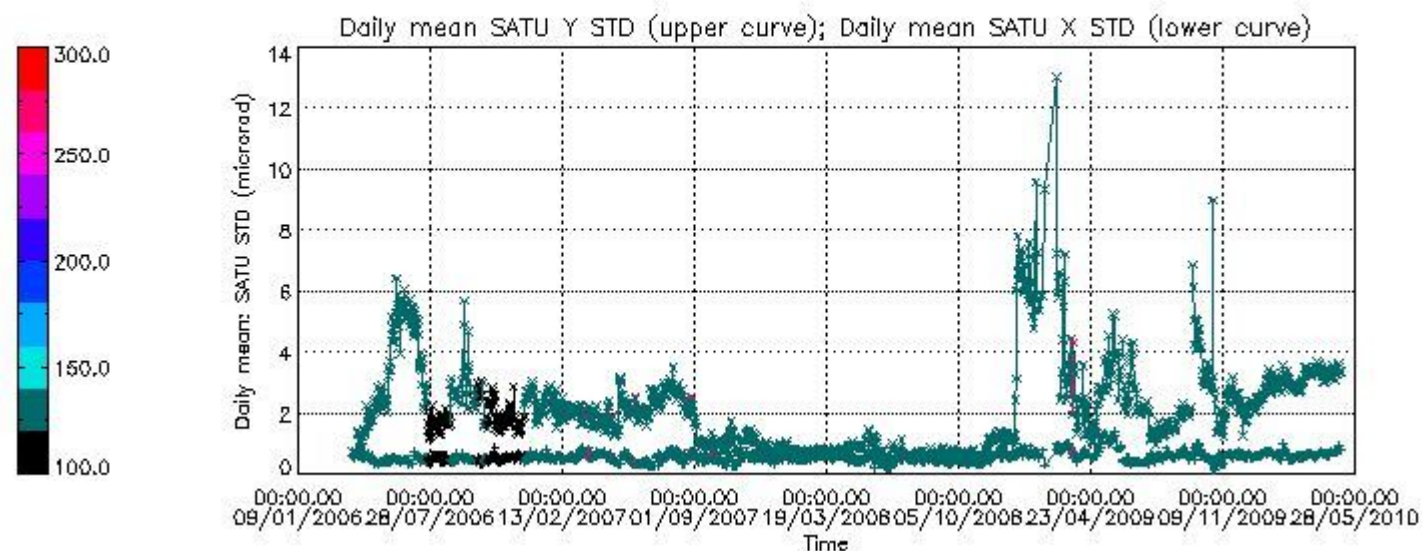
7.2.2 Trend of daily SATU NEA St. deviation since 1st April 2006 (dark limb)

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

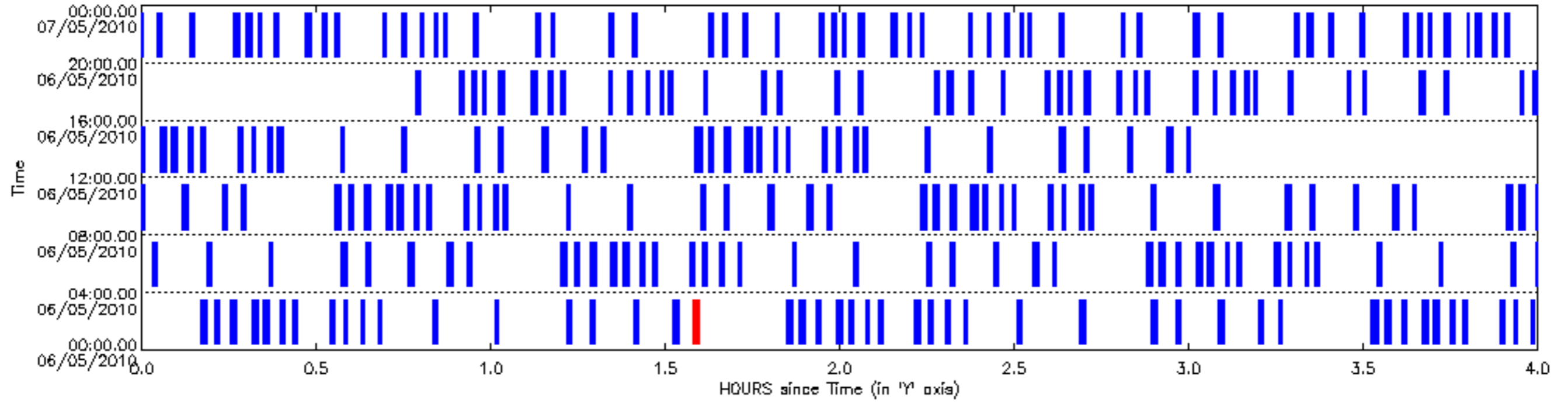
Lower curve: STD of SATU X axis

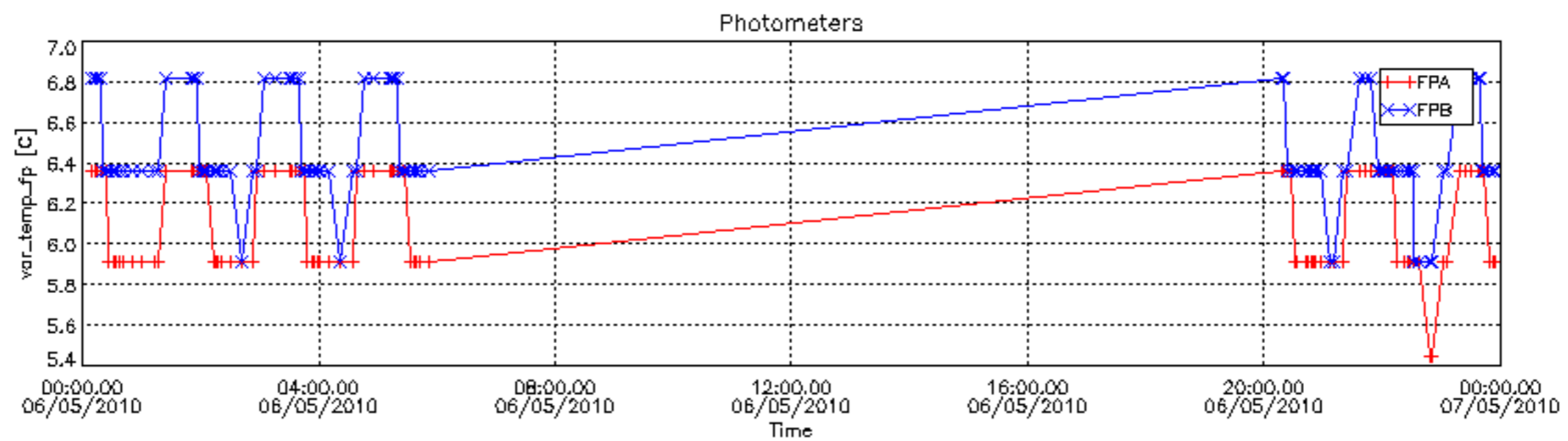
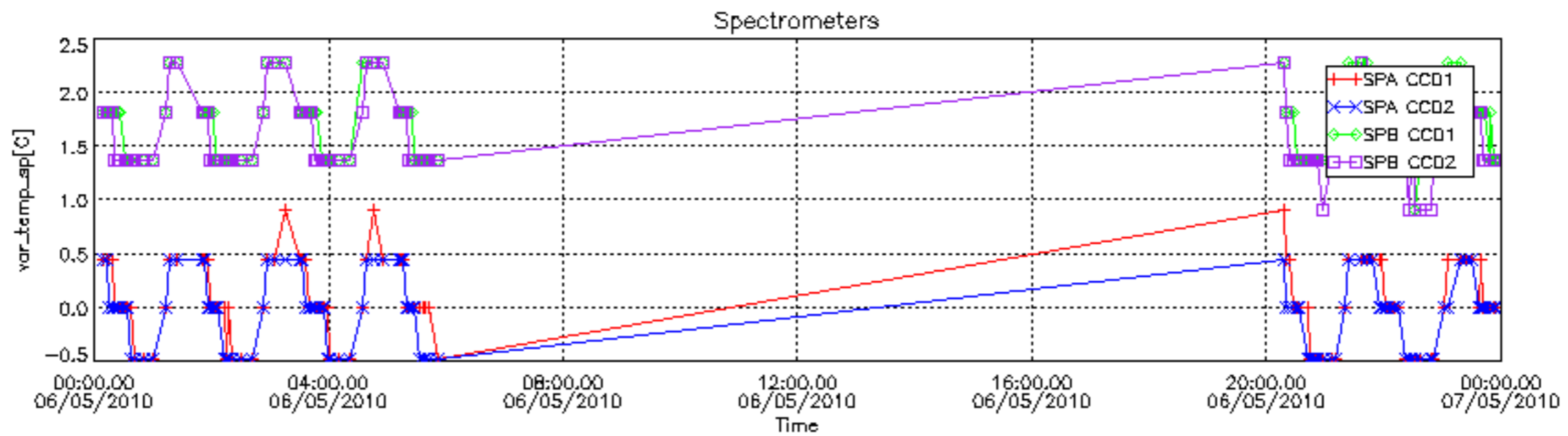


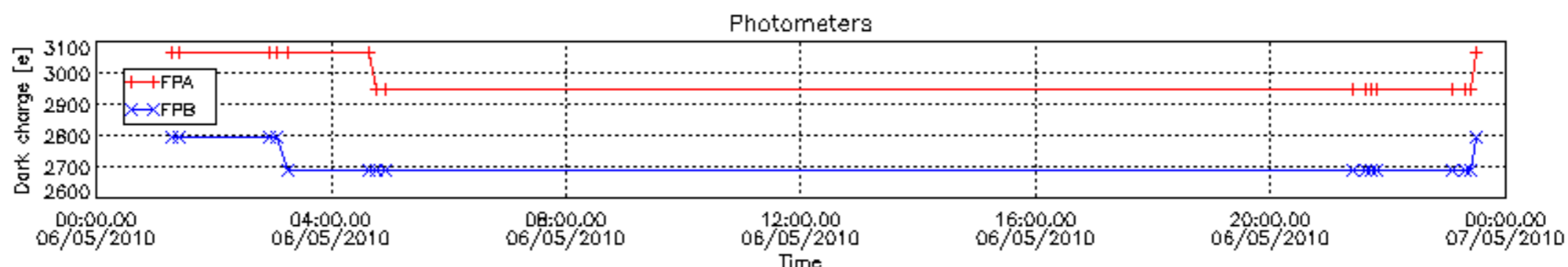
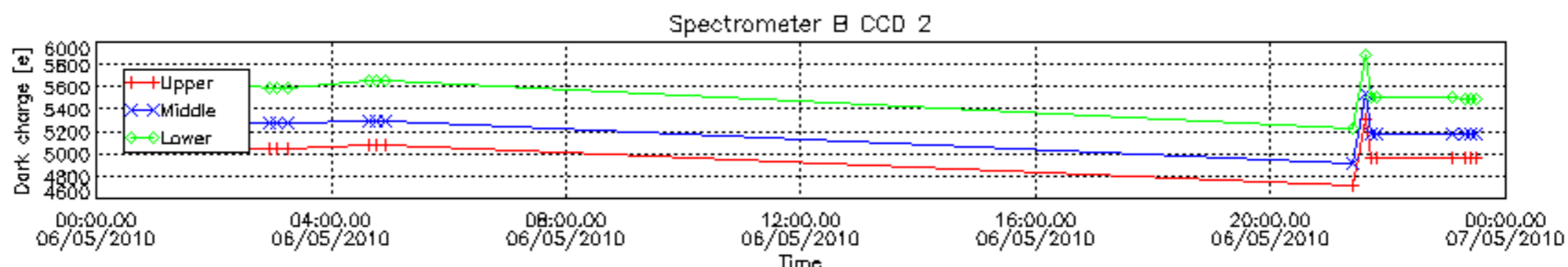
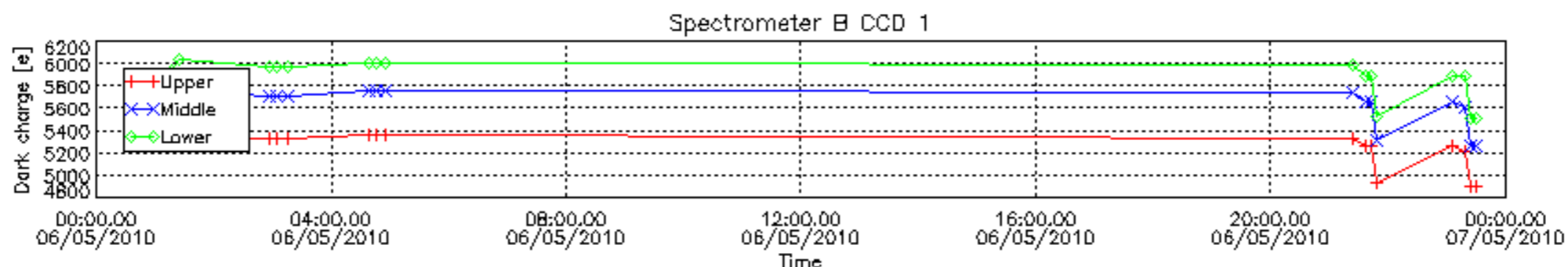
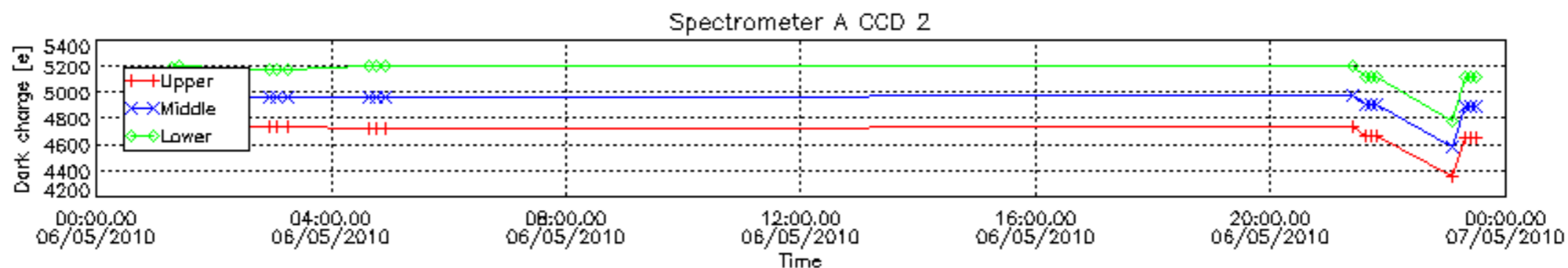
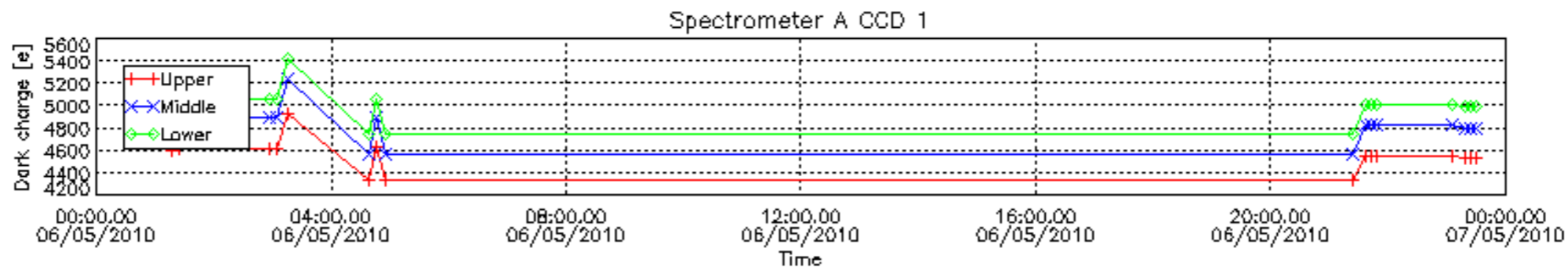
8. Auxiliary Data Files used for the production reported in section 2.4

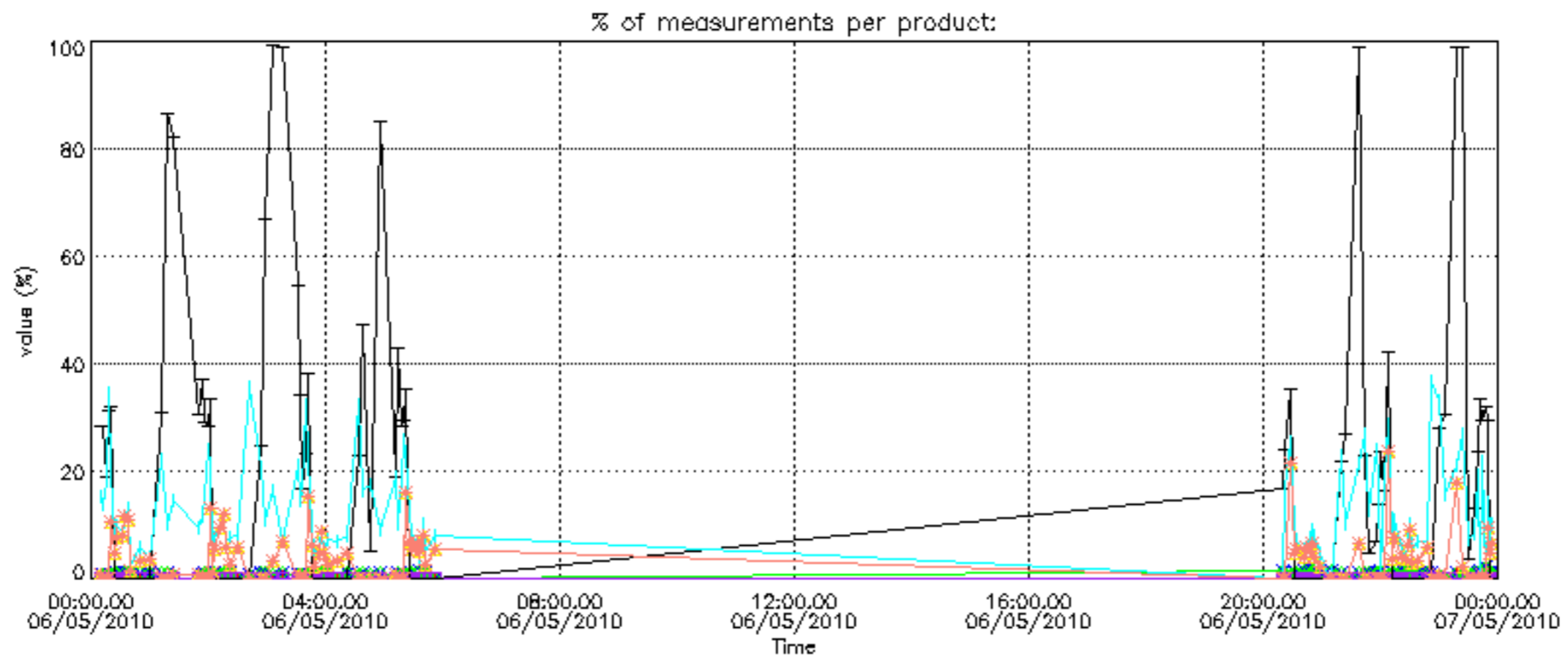
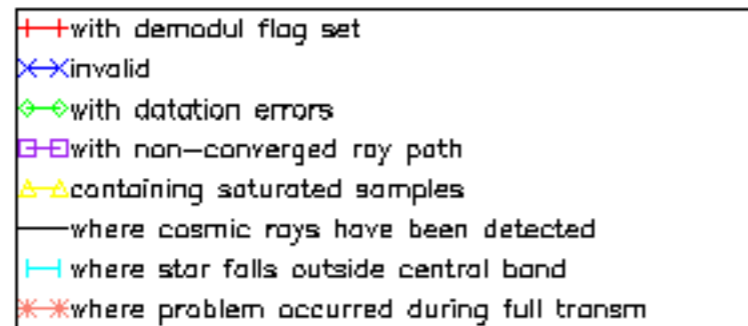
The number reported in the third column indicates since which file (see list in section 2.4) the corresponding auxiliary file has been used. The fourth column is the date of those product files.

Type	Auxiliary Filename	Used since product	Used since product date
INST_PHYS_CHARACTERISTICS	GOM_INS_AXVIEC20091111_143220_20030716_120000_20500101_000000	1	06-MAY-2010 00:10:07
CALIBRATION_DATABASE	GOM_CAL_AXVIEC20100504_084318_20100501_000000_20500101_000000	1	06-MAY-2010 00:10:07
LEVEL-1B_PROC_CONFIG	GOM_PR1_AXVIEC20091111_145255_20020301_000000_20500101_000000	1	06-MAY-2010 00:10:07
STAR_CATALOGUE	GOM_CAT_AXVIEC20020121_161009_20020101_000000_20200101_000000	1	06-MAY-2010 00:10:07
STELLAR_SPECTRA_DATABANK	GOM_STS_AXVIEC20091111_151504_20020101_160000_20500101_000000	1	06-MAY-2010 00:10:07
ECMWF_FILE	AUX_ECF_AXNECM20100505_053726_20100505_210000_20100506_090000	1	06-MAY-2010 00:10:07
ECMWF_FILE	AUX_ECF_AXNECM20100505_165726_20100506_030000_20100506_150000	46	06-MAY-2010 04:21:47
ECMWF_FILE	AUX_ECF_AXNECM20100506_052118_20100506_150000_20100507_030000	63	06-MAY-2010 20:17:57
ECMWF_FILE	AUX_ECF_AXNECM20100506_054118_20100506_210000_20100507_090000	79	06-MAY-2010 21:37:28
OPTIONAL_ECMWF_FILE	MISSING	1	06-MAY-2010 00:10:07
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20100505_233937_000057382089_00130_42769_0294.N1	1	06-MAY-2010 00:10:07
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20100506_012034_000041442089_00131_42770_0295.N1	16	06-MAY-2010 01:24:29
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20100506_023457_000057382089_00132_42771_0296.N1	29	06-MAY-2010 02:41:12
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20100506_041554_000057382089_00133_42772_0297.N1	46	06-MAY-2010 04:21:47
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20100506_201735_000038252089_00143_42782_0298.N1	63	06-MAY-2010 20:17:57
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20100506_212639_000057382089_00143_42782_0299.N1	79	06-MAY-2010 21:37:28
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20100506_230736_000057382089_00144_42783_0300.N1	99	06-MAY-2010 23:18:04

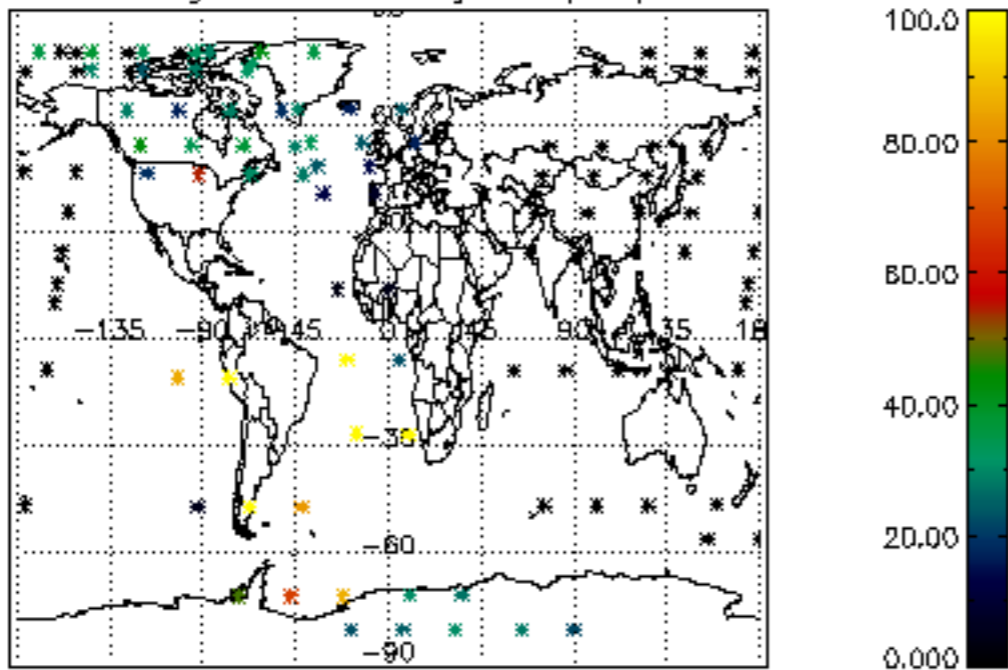




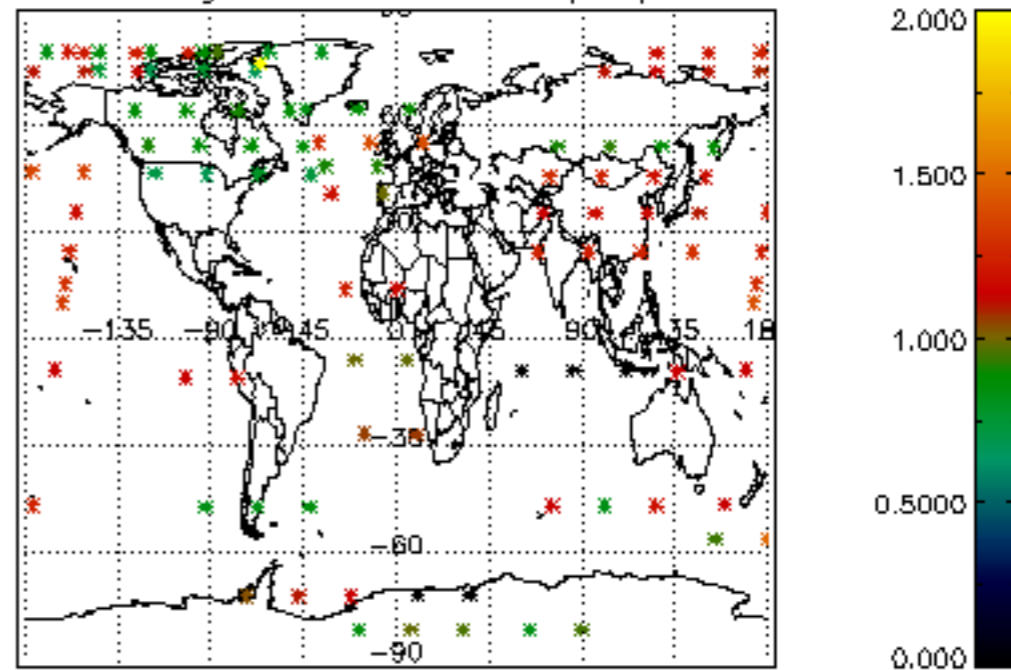




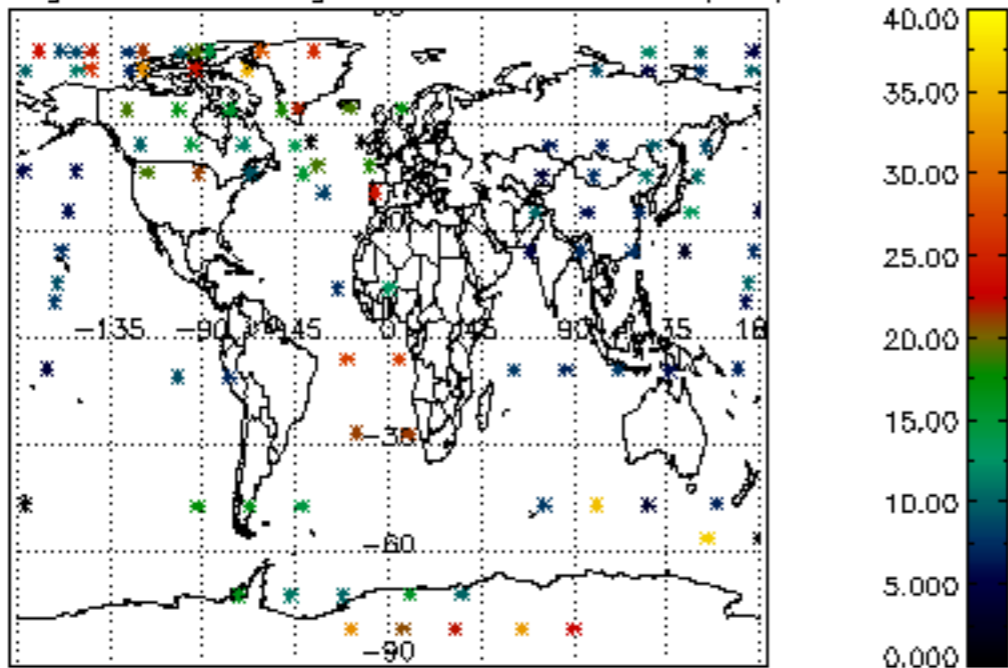
Percentage of cosmic ray hits per profile



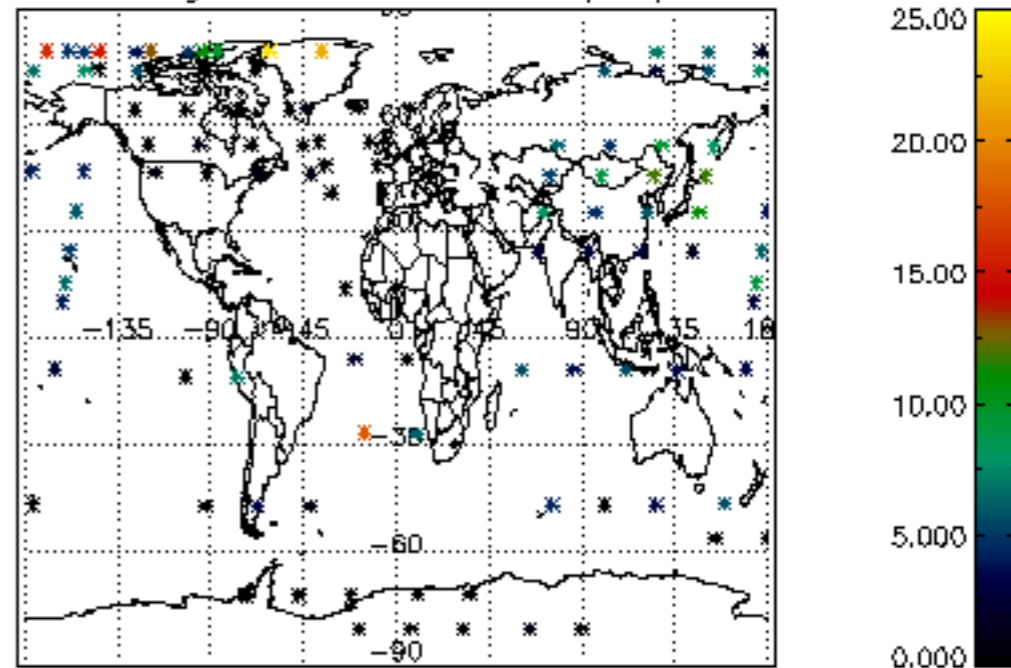
Percentage of datation errors per profile



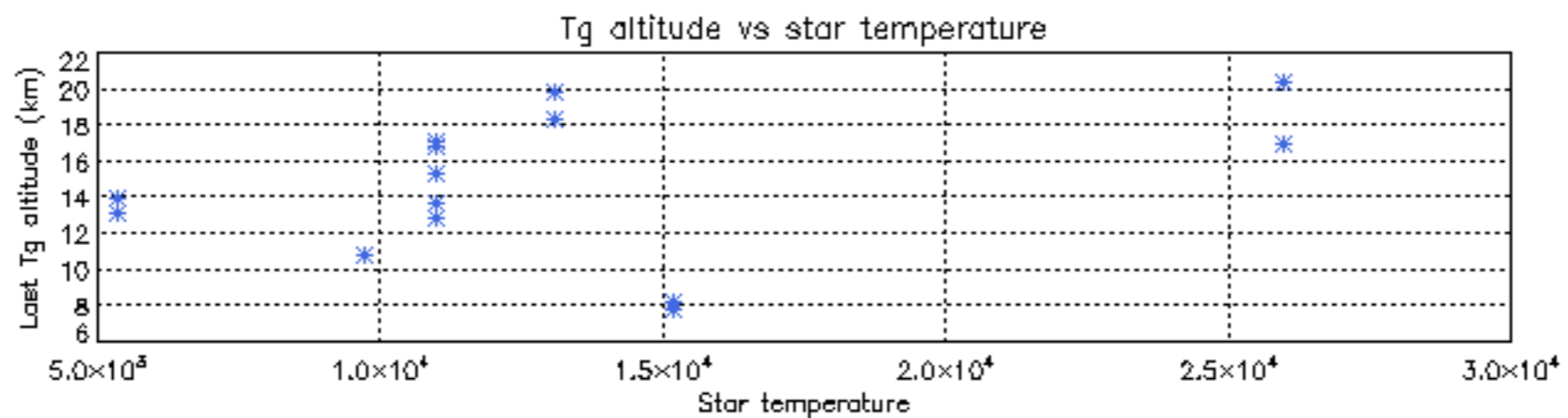
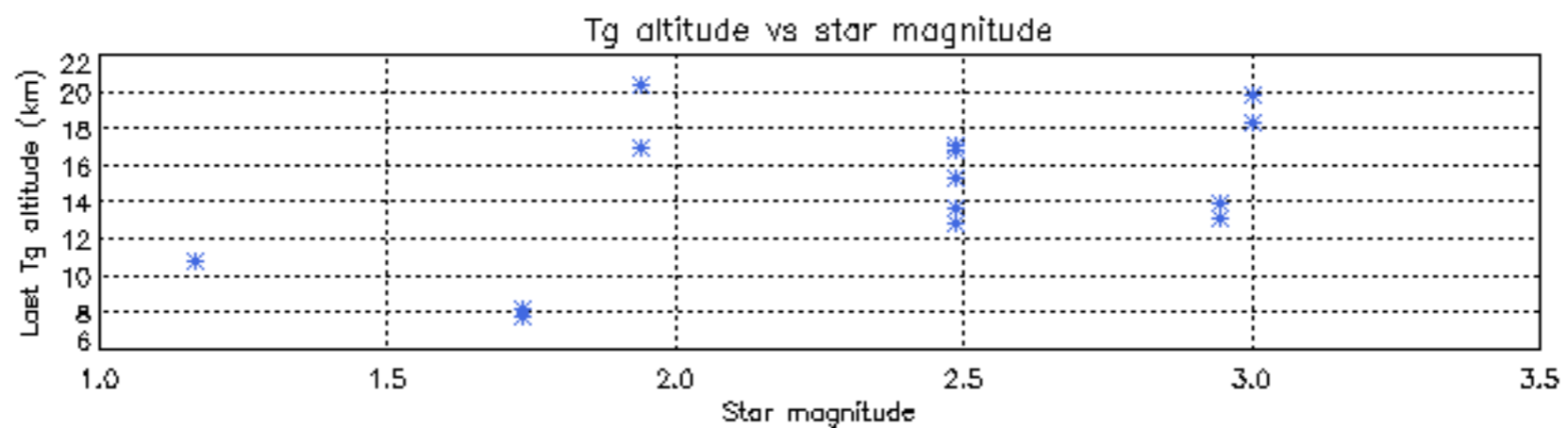
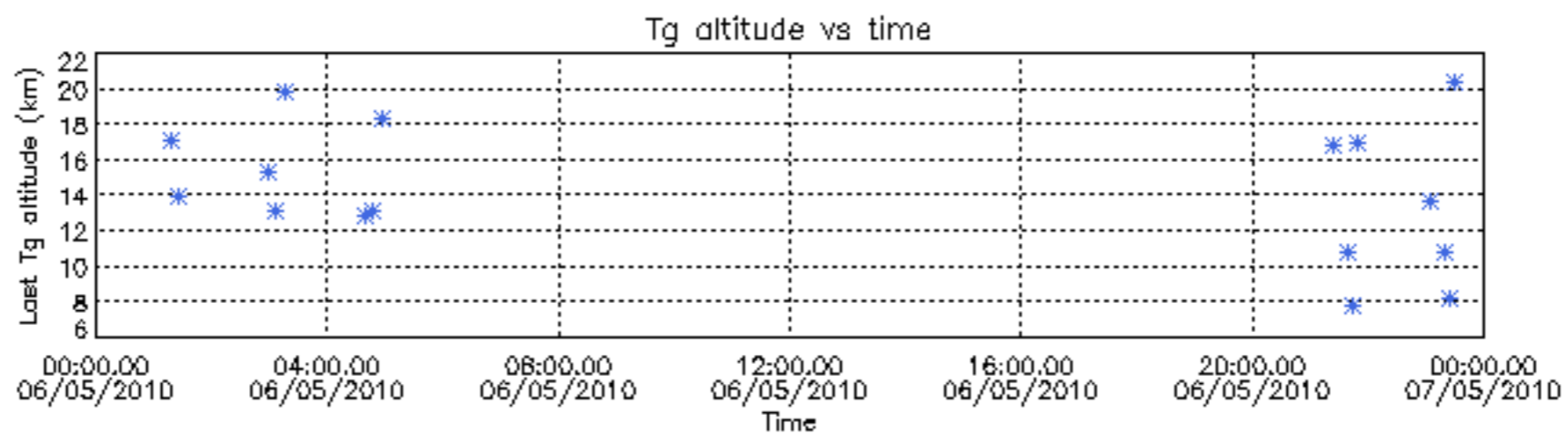
Percentage of star falling outside central band per profile



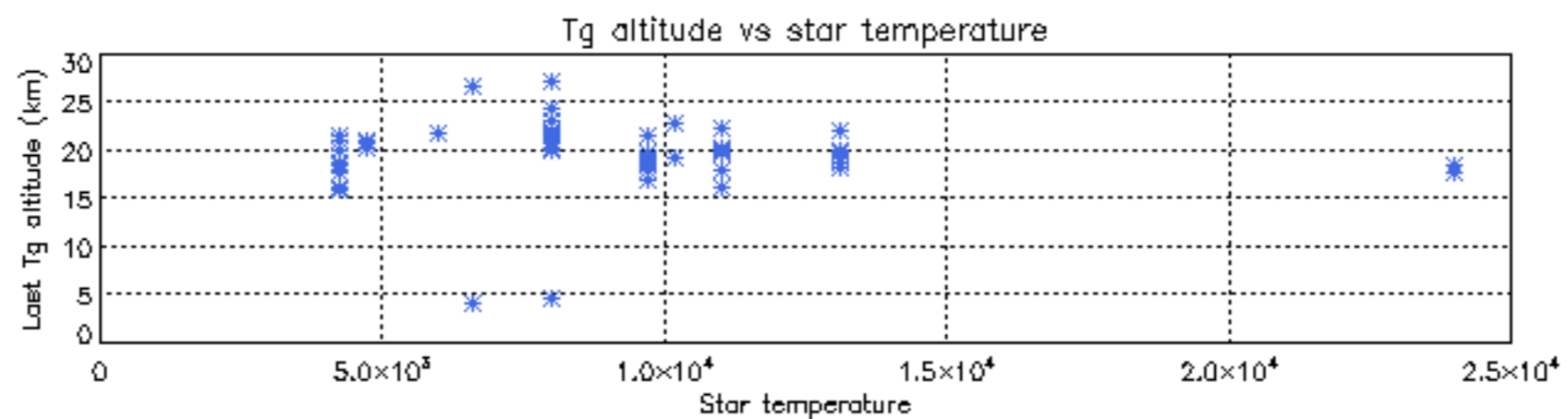
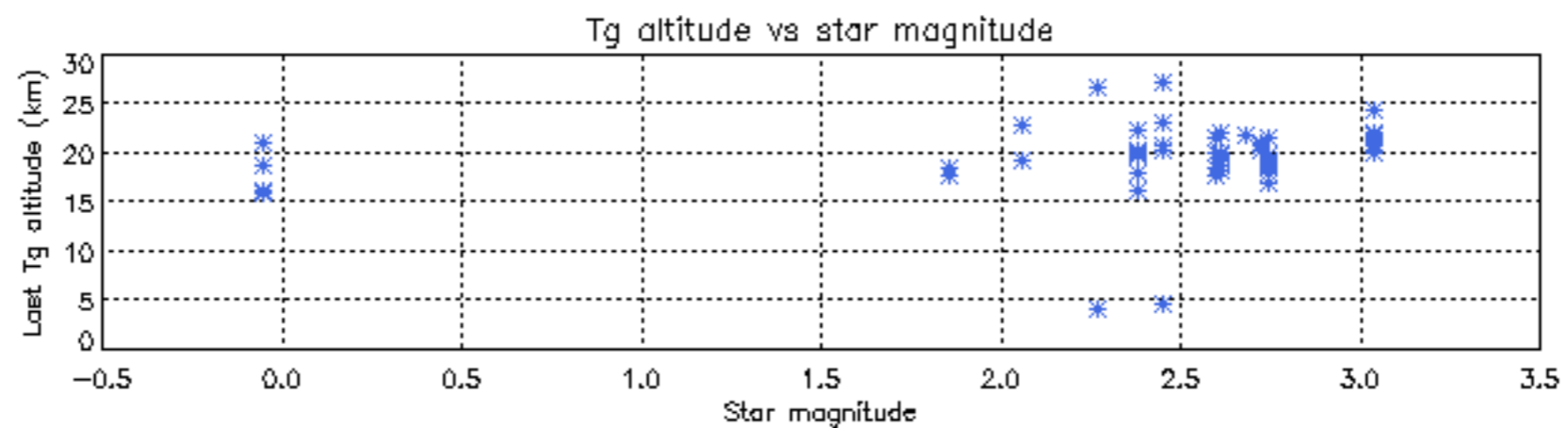
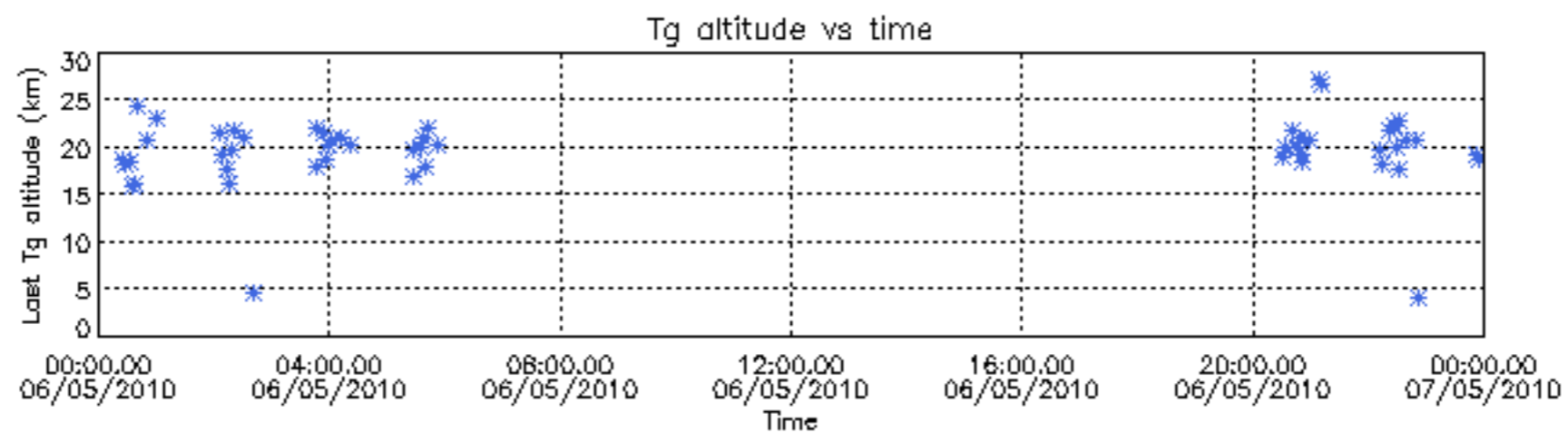
Percentage of saturation errors per profile

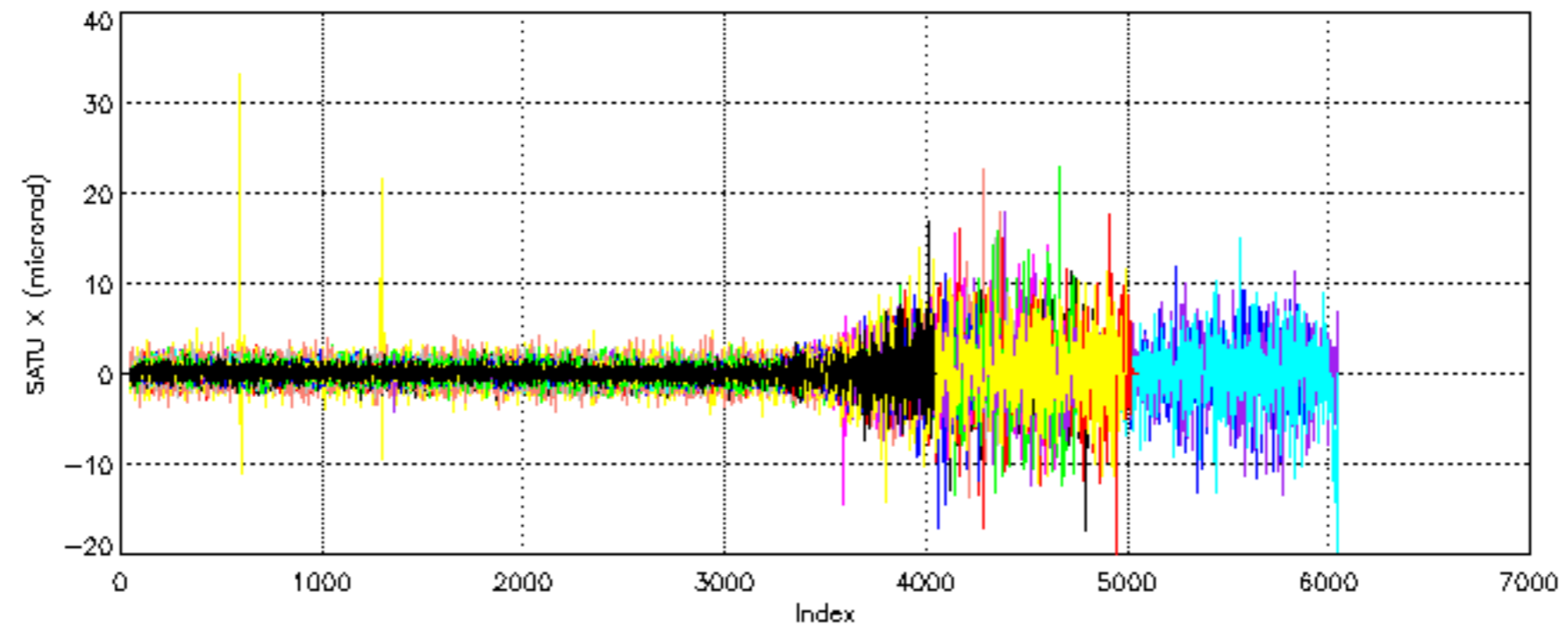


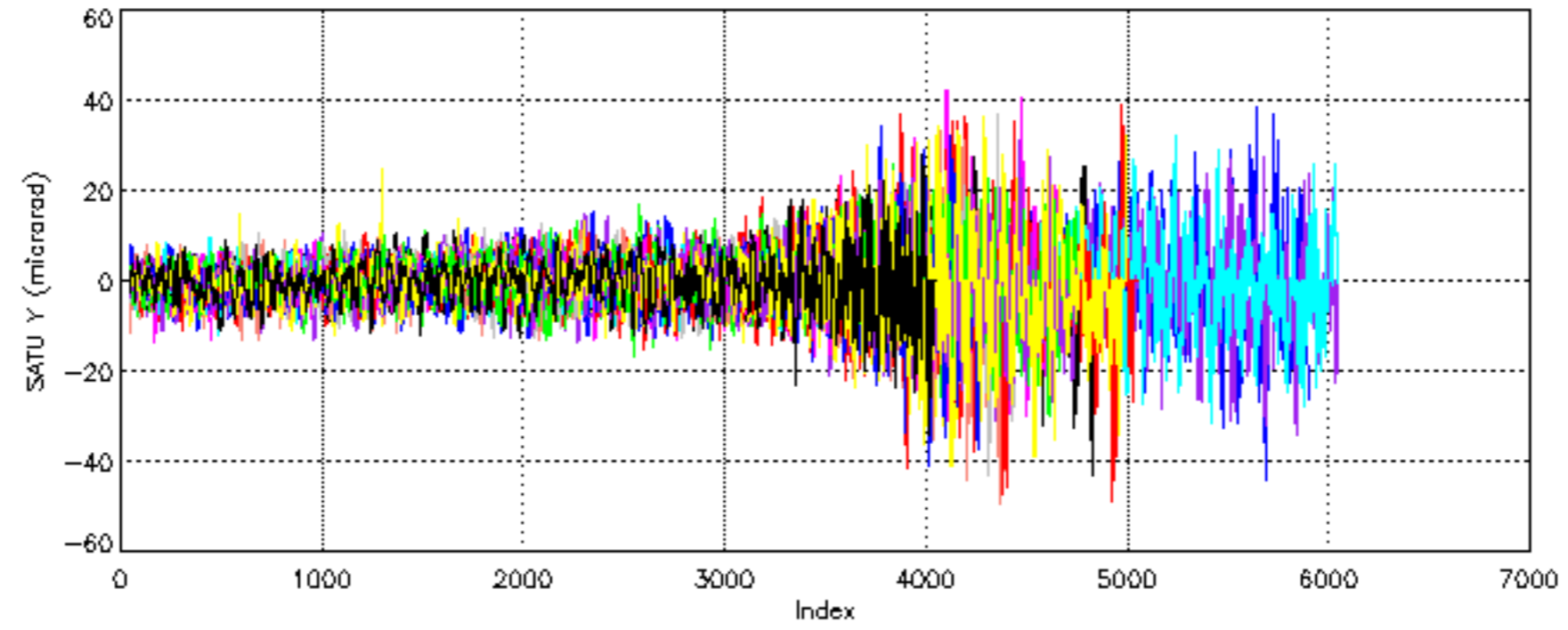
Tangent altitude at which the star is lost

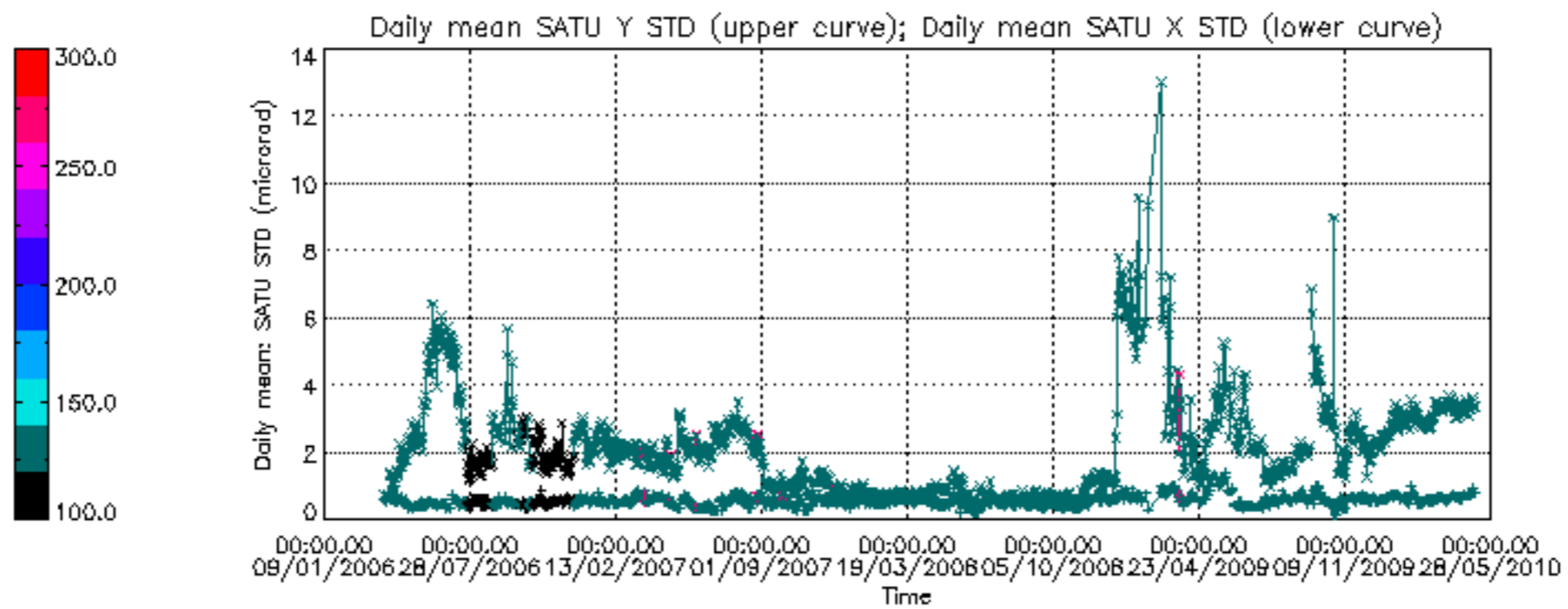


Tangent altitude at which the star is lost









/nas3/ENVISAT/GOMOS/GOM_NL__0P/GOM_NL__0PNPDE20100501_004401_000057222089_00059_42698_9963.N1

1; -637.9; 01-MAY-2010 00:44:01; Dark ; 61.5; 154; 22Bet Aqr ; 2.90; 5700;occ; 123; 0;42698
 2; -480.7; 01-MAY-2010 00:46:38; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;42698
 3; 634.8; 01-MAY-2010 01:05:14; Dark ; 43.5; 141; Bet Ara ; 2.84; 4600;occ; 87; 0;42699
 4; 745.6; 01-MAY-2010 01:07:04; Dark ; 53.5; 40; The Sco ; 1.86; 7100;occ; 107; 0;42699
 5; 850.6; 01-MAY-2010 01:08:49; Dark ; 59.0; 25; 35Lam Sco ; 1.62; 28000;occ; 118; 0;42699
 6; 1038.5; 01-MAY-2010 01:11:57; Dark ; 60.0; 75; 26Eps Sco ; 2.29; 4250;occ; 120; 0;42699
 7; 1264.4; 01-MAY-2010 01:15:43; Dark ; 81.0; 16; 21Alp Sco ; 1.02; 3000;occ; 162; 0;42699
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4; -964.9; 04-MAY-2010 05:46:07; Dark ; 72.0; 61; 8Eps Peg ; 2.10; 3900;occ; 144; 0;42744
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 5; 3182.7; 04-MAY-2010 08:35:51; Bright; 45.5; 119; 14Eta Dra ; 2.73; 4700;occ; 91; 0;42746
 6; 3814.0; 04-MAY-2010 08:46:22; Bright; 43.5; 89; 5Alp Cep ; 2.45; 8000;occ; 87; 0;42746
 7; 4544.7; 04-MAY-2010 08:58:33; Dark ; 49.5; 93; 53Bet Peg ; 2.52; 3100;occ; 99; 0;42746
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 4; 2433.0; 04-MAY-2010 11:44:33; Bright; 41.5; 83; ; 2.38; 11000;occ; 83; 0;42748
 5; 2616.0; 04-MAY-2010 11:47:36; Bright; 40.5; 180; 27Gam Boo ; 3.04; 8000;occ; 81; 0;42748
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 5; 1725.7; 04-MAY-2010 18:15:09; Bright; 47.5; 104; 27Bet Lib ; 2.61; 13100;occ; 95; 0;42752
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 9; 3179.1; 04-MAY-2010 18:39:22; Bright; 44.5; 119; 14Eta Dra ; 2.73; 4700;occ; 89; 0;42752
 10; 3812.3; 04-MAY-2010 18:49:56; Bright; 42.5; 89; 5Alp Cep ; 2.45; 8000;occ; 85; 0;42752
 11; 4546.0; 04-MAY-2010 19:02:09; Dark ; 48.0; 93; 53Bet Peg ; 2.52; 3100;occ; 96; 0;42752


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14; 5221.9; 04-MAY-2010 19:13:25; Dark ; 56.0; 162; 34Alp Aqr ; 2.94; 5350;occ; 112; 0;42752
15; 5469.6; 04-MAY-2010 19:17:33; Dark ; 64.5; 154; 22Bet Aqr ; 2.90; 5700;occ; 129; 0;42752
16; 5621.2; 04-MAY-2010 19:20:05; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;42752
17; 5837.0; 04-MAY-2010 19:23:40; Dark ; 42.0; 172; Gam Gru ; 3.00; 13100;occ; 84; 0;42752
18; 6791.7; 04-MAY-2010 19:39:35; Dark ; 64.0; 38; 20Eps Sgr ; 1.84; 11000;occ; 128; 0;42753
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 7; 1416.0; 05-MAY-2010 00:52:23; Dark ; 58.5; 80; 7Del Sco ; 2.32; 30000;occ; 117; 0;42756
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 9; 1725.7; 05-MAY-2010 00:57:33; Bright; 45.5; 104; 27Bet Lib ; 2.61; 13100;occ; 91; 0;42756
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11; 2429.5; 05-MAY-2010 01:09:16; Bright; 45.0; 83; ; 2.38; 11000;occ; 90; 0;42756
12; 2613.0; 05-MAY-2010 01:12:20; Bright; 38.0; 180; 27Gam Boo ; 3.04; 8000;occ; 76; 0;42756
13; 3176.8; 05-MAY-2010 01:21:44; Bright; 44.0; 119; 14Eta Dra ; 2.73; 4700;occ; 88; 0;42756
14; 3810.8; 05-MAY-2010 01:32:18; Bright; 44.5; 89; 5Alp Cep ; 2.45; 8000;occ; 89; 0;42756
15; 4546.4; 05-MAY-2010 01:44:33; Dark ; 58.0; 93; 53Bet Peg ; 2.52; 3100;occ; 116; 0;42756
16; 4792.3; 05-MAY-2010 01:48:39; Dark ; 44.0; 90; 54Alp Peg ; 2.49; 11000;occ; 88; 0;42756
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 5; 760.8; 05-MAY-2010 02:22:04; Dark ; 66.0; 38; 20Eps Sgr ; 1.84; 11000;occ; 132; 0;42757
 6; 903.7; 05-MAY-2010 02:24:27; Dark ; 54.5; 25; 35Lam Sco ; 1.62; 28000;occ; 109; 0;42757
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3; 2250.4; 05-MAY-2010 07:48:41; Bright; 42.5; 3; 16Alp Boo ; -0.05; 4250;occ; 85; 0;42760
4; 2428.0; 05-MAY-2010 07:51:39; Bright; 43.0; 83; ; 2.38; 11000;occ; 86; 0;42760
5; 2611.7; 05-MAY-2010 07:54:43; Bright; 40.5; 180; 27Gam Boo ; 3.04; 8000;occ; 81; 0;42760
6; 3174.5; 05-MAY-2010 08:04:05; Bright; 44.5; 119; 14Eta Dra ; 2.73; 4700;occ; 89; 0;42760
7; 3809.6; 05-MAY-2010 08:14:40; Bright; 42.0; 89; 5Alp Cep ; 2.45; 8000;occ; 84; 0;42760
8; 4547.6; 05-MAY-2010 08:26:58; Dark ; 53.5; 93; 53Bet Peg ; 2.52; 3100;occ; 107; 0;42760
9; 4793.9; 05-MAY-2010 08:31:05; Dark ; 47.0; 90; 54Alp Peg ; 2.49; 11000;occ; 94; 0;42760
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 7; 932.0; 06-MAY-2010 23:41:05; Dark ; 39.0; 115; 34Ups Sco ; 2.70; 26000;occ; 78; 0;42784
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19; 3801.2; 07-MAY-2010 00:28:54; Bright; 43.0; 89; 5Alp Cep ; 2.45; 8000;occ; 86; 0;42784
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17;	6306.4;	10-MAY-2010	13:00:36;	Dark	;	41.0;	45;	Alp Pav	;	1.94;	26000;occ;	82;	0;	42835
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3;	2220.9;	10-MAY-2010	13:33:06;	Bright;	35.0;	111;	8Eta Boo	;	2.68;	6000;occ;	70;	0;	42835	
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5;	2588.1;	10-MAY-2010	13:39:14;	Bright;	39.0;	180;	27Gam Boo	;	3.04;	8000;occ;	78;	0;	42835	
6;	2748.9;	10-MAY-2010	13:41:54;	Bright;	36.0;	39;	85Eta UMa	;	1.85;	24000;occ;	72;	0;	42835	
7;	3782.3;	10-MAY-2010	13:59:08;	Bright;	43.0;	89;	5Alp Cep	;	2.45;	8000;occ;	86;	0;	42835	
8;	3964.7;	10-MAY-2010	14:02:10;	Bright;	54.0;	74;	11Bet Cas	;	2.27;	6600;occ;	108;	0;	42835	
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2; 2220.6; 11-MAY-2010 09:40:17; Bright; 37.5; 111; 8Eta Boo ; 2.68; 6000;occ; 75; 0;42847
3; 2398.2; 11-MAY-2010 09:43:15; Bright; 41.0; 83; ; 2.38; 11000;occ; 82; 0;42847
4; 2584.7; 11-MAY-2010 09:46:22; Bright; 38.5; 180; 27Gam Boo ; 3.04; 8000;occ; 77; 0;42847
5; 2748.2; 11-MAY-2010 09:49:05; Bright; 36.5; 39; 85Eta UMa ; 1.85; 24000;occ; 73; 0;42847
6; 3126.3; 11-MAY-2010 09:55:23; Bright; 43.5; 119; 14Eta Dra ; 2.73; 4700;occ; 87; 0;42847
7; 3777.5; 11-MAY-2010 10:06:14; Bright; 44.5; 89; 5Alp Cep ; 2.45; 8000;occ; 89; 0;42847
8; 3964.7; 11-MAY-2010 10:09:22; Bright; 52.5; 74; 11Bet Cas ; 2.27; 6600;occ; 105; 0;42847
9; 4564.5; 11-MAY-2010 10:19:21; Dark ; 52.5; 93; 53Bet Peg ; 2.52; 3100;occ; 105; 0;42847
10; 4744.6; 11-MAY-2010 10:22:21; Dark ; 41.5; 140; 88Gam Peg ; 2.83; 26000;occ; 83; 0;42847
11; 4828.8; 11-MAY-2010 10:23:46; Dark ; 50.0; 90; 54Alp Peg ; 2.49; 11000;occ; 100; 0;42847
12; 5628.5; 11-MAY-2010 10:37:05; Dark ; 46.0; 18; 24Alp PsA ; 1.17; 9700;occ; 92; 0;42847
13; 5771.0; 11-MAY-2010 10:39:28; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;42847
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15; 5979.7; 11-MAY-2010 10:42:56; Dark ; 41.0; 31; Alp Gru ; 1.73; 15200;occ; 82; 0;42847
16; 6315.4; 11-MAY-2010 10:48:32; Dark ; 41.0; 45; Alp Pav ; 1.94; 26000;occ; 82; 0;42848
17; 6758.2; 11-MAY-2010 10:55:55; Dark ; 45.5; 141; Bet Ara ; 2.84; 4600;occ; 91; 0;42848
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22; 7474.9; 11-MAY-2010 11:07:52; Dark ; 57.5; 80; 7Del Sco ; 2.32; 30000;occ; 115; 0;42848
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3; 2220.6; 11-MAY-2010 11:20:53; Bright; 36.5; 111; 8Eta Boo ; 2.68; 6000;occ; 73; 0;42848
4; 2397.9; 11-MAY-2010 11:23:51; Bright; 39.0; 83; ; 2.38; 11000;occ; 78; 0;42848
5; 2584.3; 11-MAY-2010 11:26:57; Bright; 39.0; 180; 27Gam Boo ; 3.04; 8000;occ; 78; 0;42848
6; 2747.9; 11-MAY-2010 11:29:41; Bright; 38.5; 39; 85Eta UMa ; 1.85; 24000;occ; 77; 0;42848
7; 3125.8; 11-MAY-2010 11:35:59; Bright; 43.0; 119; 14Eta Dra ; 2.73; 4700;occ; 86; 0;42848
8; 3777.1; 11-MAY-2010 11:46:50; Bright; 45.0; 89; 5Alp Cep ; 2.45; 8000;occ; 90; 0;42848
9; 3964.7; 11-MAY-2010 11:49:57; Bright; 36.0; 74; 11Bet Cas ; 2.27; 6600;occ; 72; 0;42848
10; 4564.5; 11-MAY-2010 11:59:57; Dark ; 52.5; 93; 53Bet Peg ; 2.52; 3100;occ; 105; 0;42848
11; 4744.9; 11-MAY-2010 12:02:58; Dark ; 42.0; 140; 88Gam Peg ; 2.83; 26000;occ; 84; 0;42848
12; 4829.3; 11-MAY-2010 12:04:22; Dark ; 51.0; 90; 54Alp Peg ; 2.49; 11000;occ; 102; 0;42848
13; 5629.3; 11-MAY-2010 12:17:42; Dark ; 54.0; 18; 24Alp PsA ; 1.17; 9700;occ; 108; 0;42848
14; 5771.8; 11-MAY-2010 12:20:05; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;42848
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21; 7167.7; 11-MAY-2010 12:43:20; Dark ; 56.0; 75; 26Eps Sco ; 2.29; 4250;occ; 112; 0;42849
22; 7363.6; 11-MAY-2010 12:46:36; Dark ; 62.0; 16; 21Alp Sco ; 1.02; 3000;occ; 124; 0;42849
23; 7475.2; 11-MAY-2010 12:48:28; Dark ; 62.0; 80; 7Del Sco ; 2.32; 30000;occ; 124; 0;42849
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22; 7364.1; 11-MAY-2010 14:27:13; Dark ; 61.0; 16; 21Alp Sco ; 1.02; 3000;occ; 122; 0;42850
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9; 3776.4; 11-MAY-2010 15:08:01; Bright; 44.5; 89; 5Alp Cep ; 2.45; 8000;occ; 89; 0;42850
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13; 4830.1; 11-MAY-2010 15:25:35; Dark ; 49.5; 90; 54Alp Peg ; 2.49; 11000;occ; 99; 0;42850
14; 5630.6; 11-MAY-2010 15:38:55; Dark ; 47.0; 18; 24Alp PsA ; 1.17; 9700;occ; 94; 0;42850
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16; 5900.9; 11-MAY-2010 15:43:25; Dark ; 56.0; 63; Bet Gru ; 2.15; 2800;occ; 112; 0;42850
17; 6317.6; 11-MAY-2010 15:50:22; Dark ; 42.0; 45; Alp Pav ; 1.94; 26000;occ; 84; 0;42851
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5; 1725.1; 11-MAY-2010 16:14:26; Bright; 42.0; 104; 27Bet Lib ; 2.61; 13100;occ; 84; 0;42851
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7; 2397.1; 11-MAY-2010 16:25:38; Bright; 43.0; 83; ; 2.38; 11000;occ; 86; 0;42851
8; 2583.7; 11-MAY-2010 16:28:44; Bright; 38.0; 180; 27Gam Boo ; 3.04; 8000;occ; 76; 0;42851
9; 2747.8; 11-MAY-2010 16:31:28; Bright; 36.0; 39; 85Eta UMa ; 1.85; 24000;occ; 72; 0;42851
10; 3124.0; 11-MAY-2010 16:37:45; Bright; 41.0; 119; 14Eta Dra ; 2.73; 4700;occ; 82; 0;42851
11; 3776.0; 11-MAY-2010 16:48:36; Bright; 46.0; 89; 5Alp Cep ; 2.45; 8000;occ; 92; 0;42851
12; 3964.5; 11-MAY-2010 16:51:45; Bright; 37.5; 74; 11Bet Cas ; 2.27; 6600;occ; 75; 0;42851
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21; 6904.4; 11-MAY-2010 17:40:45; Dark ; 54.5; 40; The Sco ; 1.86; 7100;occ; 109; 0;42852
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 12; 3775.6; 11-MAY-2010 18:29:12; Bright; 44.5; 89; 5Alp Cep ; 2.45; 8000;occ; 89; 0;42852
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 22; 6761.2; 11-MAY-2010 19:18:58; Dark ; 48.5; 141; Bet Ara ; 2.84; 4600;occ; 97; 0;42853
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 9; 2396.5; 11-MAY-2010 19:46:49; Bright; 39.5; 83; ; 2.38; 11000;occ; 79; 0;42853
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 12; 3122.9; 11-MAY-2010 19:58:55; Bright; 43.0; 119; 14Eta Dra ; 2.73; 4700;occ; 86; 0;42853
 13; 3775.3; 11-MAY-2010 20:09:48; Bright; 43.0; 89; 5Alp Cep ; 2.45; 8000;occ; 86; 0;42853
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 18; 5632.7; 11-MAY-2010 20:40:45; Dark ; 50.0; 18; 24Alp PsA ; 1.17; 9700;occ; 100; 0;42853
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22; 6319.6; 11-MAY-2010 20:52:12; Dark ; 40.5; 45; Alp Pav ; 1.94; 26000;occ; 81; 0;42854
23; 6761.6; 11-MAY-2010 20:59:34; Dark ; 54.0; 141; Bet Ara ; 2.84; 4600;occ; 108; 0;42854
24; 6905.5; 11-MAY-2010 21:01:58; Dark ; 49.0; 40; The Sco ; 1.86; 7100;occ; 98; 0;42854
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 8; 982.7; 12-MAY-2010 00:25:03; Dark ; 60.0; 25; 35Lam Sco ; 1.62; 28000;occ; 120; 0;42856
 9; 1135.3; 12-MAY-2010 00:27:35; Dark ; 54.5; 75; 26Eps Sco ; 2.29; 4250;occ; 109; 0;42856
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11; 1441.0; 12-MAY-2010 00:32:41; Dark ; 59.0; 80; 7Del Sco ; 2.32; 30000;occ; 118; 0;42856
12; 1608.2; 12-MAY-2010 00:35:28; Bright; 40.0; 122; 9Alp2Lib ; 2.75; 9700;occ; 80; 0;42856
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14; 2237.3; 12-MAY-2010 00:45:57; Bright; 38.0; 3; 16Alp Boo ; -0.05; 4250;occ; 76; 0;42856
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16; 2582.5; 12-MAY-2010 00:51:43; Bright; 38.0; 180; 27Gam Boo ; 3.04; 8000;occ; 76; 0;42856
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 9; 1135.7; 12-MAY-2010 02:08:12; Dark ; 52.5; 75; 26Eps Sco ; 2.29; 4250;occ; 105; 0;42857
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11; 727.8; 12-MAY-2010 03:42:00; Dark ; 42.0; 141; Bet Ara ; 2.84; 4600;occ; 84; 0;42858
12; 872.5; 12-MAY-2010 03:44:24; Dark ; 52.5; 40; The Sco ; 1.86; 7100;occ; 105; 0;42858
13; 984.5; 12-MAY-2010 03:46:16; Dark ; 56.5; 25; 35Lam Sco ; 1.62; 28000;occ; 113; 0;42858
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17; 1608.4; 12-MAY-2010 03:56:40; Bright; 38.0; 122; 9Alp2Lib ; 2.75; 9700;occ; 76; 0;42858
18; 1725.7; 12-MAY-2010 03:58:38; Bright; 42.0; 104; 27Bet Lib ; 2.61; 13100;occ; 84; 0;42858

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22; 2747.1; 12-MAY-2010 05:56:15; Bright; 39.0; 39; 85Eta UMa ; 1.85; 24000;occ; 78; 0;42859
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19; 6910.6; 12-MAY-2010 08:46:15; Dark ; 50.5; 40; The Sco ; 1.86; 7100;occ; 101; 0;42861
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 9; 2392.6; 12-MAY-2010 20:55:44; Bright; 39.5; 83; ; 2.38; 11000;occ; 79; 0;42868
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 13; 3769.1; 12-MAY-2010 21:18:41; Bright; 44.0; 89; 5Alp Cep ; 2.45; 8000;occ; 88; 0;42868
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 12; 1609.8; 12-MAY-2010 22:23:17; Bright; 39.0; 122; 9Alp2Lib ; 2.75; 9700;occ; 78; 0;42869

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16; 2392.5; 12-MAY-2010 22:36:20; Bright; 41.5; 83; ; 2.38; 11000;occ; 83; 0;42869
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18; 2747.0; 12-MAY-2010 22:42:14; Bright; 35.0; 39; 85Eta UMa ; 1.85; 24000;occ; 70; 0;42869
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14; 2235.7; 13-MAY-2010 01:54:55; Bright; 40.0; 3; 16Alp Boo ;-0.05; 4250;occ; 80; 0;42871
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28; 6332.0; 13-MAY-2010 03:03:11; Dark ; 42.0; 45; Alp Pav ; 1.94; 26000;occ; 84; 0;42872
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14; 4858.5; 15-MAY-2010 18:21:23; Dark ; 54.0; 90; 54Alp Peg ; 2.49; 11000;occ; 108; 0;42909
15; 5674.7; 15-MAY-2010 18:34:59; Dark ; 45.5; 18; 24Alp PsA ; 1.17; 9700;occ; 91; 0;42909
16; 5823.0; 15-MAY-2010 18:37:27; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;42909
17; 6024.7; 15-MAY-2010 18:40:49; Dark ; 42.5; 31; Alp Gru ; 1.73; 15200;occ; 85; 0;42909
18; 6358.8; 15-MAY-2010 18:46:23; Dark ; 41.5; 45; Alp Pav ; 1.94; 26000;occ; 83; 0;42910
19; 6791.4; 15-MAY-2010 18:53:36; Dark ; 44.0; 141; Bet Ara ; 2.84; 4600;occ; 88; 0;42910
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3; 1161.8; 15-MAY-2010 19:00:22; Dark ; 52.0; 75; 26Eps Sco ; 2.29; 4250;occ; 104; 0;42910
4; 1348.6; 15-MAY-2010 19:03:29; Dark ; 61.0; 16; 21Alp Sco ; 1.02; 3000;occ; 122; 0;42910
5; 1506.1; 15-MAY-2010 19:06:07; Bright; 45.5; 97; 8Bet1Sco ; 2.56; 30000;occ; 91; 0;42910

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8; 2048.6; 15-MAY-2010 19:15:09; Bright; 44.5; 102; 24Alp Ser ; 2.60; 4250;occ; 89; 0;42910
9; 2383.4; 15-MAY-2010 19:20:44; Bright; 39.0; 83; ; 2.38; 11000;occ; 78; 0;42910
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11; 3094.9; 15-MAY-2010 19:32:35; Bright; 42.5; 119; 14Eta Dra ; 2.73; 4700;occ; 85; 0;42910
12; 3751.2; 15-MAY-2010 19:43:32; Bright; 42.5; 89; 5Alp Cep ; 2.45; 8000;occ; 85; 0;42910
13; 3961.8; 15-MAY-2010 19:47:02; Bright; 55.0; 74; 11Bet Cas ; 2.27; 6600;occ; 110; 0;42910
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16; 4859.0; 15-MAY-2010 20:01:59; Dark ; 54.5; 90; 54Alp Peg ; 2.49; 11000;occ; 109; 0;42910
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21; 6791.7; 15-MAY-2010 20:34:12; Dark ; 45.5; 141; Bet Ara ; 2.84; 4600;occ; 91; 0;42911
22; 6965.5; 15-MAY-2010 20:37:06; Dark ; 29.0; 38; 20Eps Sgr ; 1.84; 11000;occ; 58; 0;42911
23; 7056.7; 15-MAY-2010 20:38:37; Dark ; 17.0; 25; 35Lam Sco ; 1.62; 28000;occ; 34; 0;42911

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2; 1020.7; 15-MAY-2010 20:38:37; Dark ; 53.5; 25; 35Lam Sco ; 1.62; 28000;occ; 107; 0;42911
3; 1162.2; 15-MAY-2010 20:40:59; Dark ; 52.0; 75; 26Eps Sco ; 2.29; 4250;occ; 104; 0;42911
4; 1349.0; 15-MAY-2010 20:44:05; Dark ; 56.5; 16; 21Alp Sco ; 1.02; 3000;occ; 113; 0;42911
5; 1506.3; 15-MAY-2010 20:46:43; Bright; 45.5; 97; 8Bet1Sco ; 2.56; 30000;occ; 91; 0;42911
6; 1726.9; 15-MAY-2010 20:50:23; Bright; 41.0; 104; 27Bet Lib ; 2.61; 13100;occ; 82; 0;42911
7; 1857.7; 15-MAY-2010 20:52:34; Bright; 50.5; 120; 1Del Oph ; 2.73; 3200;occ; 101; 0;42911
8; 2048.5; 15-MAY-2010 20:55:45; Bright; 44.0; 102; 24Alp Ser ; 2.60; 4250;occ; 88; 0;42911
9; 2383.4; 15-MAY-2010 21:01:20; Bright; 40.0; 83; ; 2.38; 11000;occ; 80; 0;42911
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11; 3094.2; 15-MAY-2010 21:13:11; Bright; 42.0; 119; 14Eta Dra ; 2.73; 4700;occ; 84; 0;42911
12; 3750.7; 15-MAY-2010 21:24:07; Bright; 44.0; 89; 5Alp Cep ; 2.45; 8000;occ; 88; 0;42911
13; 3961.6; 15-MAY-2010 21:27:38; Bright; 37.5; 74; 11Bet Cas ; 2.27; 6600;occ; 75; 0;42911
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15; 4762.1; 15-MAY-2010 21:40:59; Dark ; 44.5; 140; 88Gam Peg ; 2.83; 26000;occ; 89; 0;42911
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4; 324.3; 15-MAY-2010 22:07:37; Dark ; 42.0; 45; Alp Pav ; 1.94; 26000;occ; 84; 0;42912
5; 756.4; 15-MAY-2010 22:14:49; Dark ; 51.0; 141; Bet Ara ; 2.84; 4600;occ; 102; 0;42912
6; 930.6; 15-MAY-2010 22:17:43; Dark ; 30.0; 38; 20Eps Sgr ; 1.84; 11000;occ; 60; 0;42912
7; 1021.3; 15-MAY-2010 22:19:14; Dark ; 58.0; 25; 35Lam Sco ; 1.62; 28000;occ; 116; 0;42912
8; 1162.9; 15-MAY-2010 22:21:35; Dark ; 53.0; 75; 26Eps Sco ; 2.29; 4250;occ; 106; 0;42912
9; 1348.9; 15-MAY-2010 22:24:41; Dark ; 60.0; 16; 21Alp Sco ; 1.02; 3000;occ; 120; 0;42912
10; 1506.3; 15-MAY-2010 22:27:19; Bright; 45.5; 97; 8Bet1Sco ; 2.56; 30000;occ; 91; 0;42912
11; 1727.0; 15-MAY-2010 22:30:59; Bright; 39.5; 104; 27Bet Lib ; 2.61; 13100;occ; 79; 0;42912
12; 1857.4; 15-MAY-2010 22:33:10; Bright; 50.5; 120; 1Del Oph ; 2.73; 3200;occ; 101; 0;42912
13; 2048.0; 15-MAY-2010 22:36:20; Bright; 44.5; 102; 24Alp Ser ; 2.60; 4250;occ; 89; 0;42912
14; 2382.9; 15-MAY-2010 22:41:55; Bright; 40.0; 83; ; 2.38; 11000;occ; 80; 0;42912
15; 2571.3; 15-MAY-2010 22:45:04; Bright; 38.5; 180; 27Gam Boo ; 3.04; 8000;occ; 77; 0;42912
16; 3093.7; 15-MAY-2010 22:53:46; Bright; 61.0; 119; 14Eta Dra ; 2.73; 4700;occ; 122; 0;42912
17; 3750.1; 15-MAY-2010 23:04:42; Bright; 44.0; 89; 5Alp Cep ; 2.45; 8000;occ; 88; 0;42912
18; 3961.8; 15-MAY-2010 23:08:14; Bright; 55.0; 74; 11Bet Cas ; 2.27; 6600;occ; 110; 0;42912
19; 4513.6; 15-MAY-2010 23:17:26; Dark ; 45.0; 58; 21Alp And ; 2.07; 11000;occ; 90; 0;42912
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21; 4860.1; 15-MAY-2010 23:23:12; Dark ; 52.5; 90; 54Alp Peg ; 2.49; 11000;occ; 105; 0;42912

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4; 324.4; 15-MAY-2010 23:48:13; Dark ; 51.0; 45; Alp Pav ; 1.94; 26000;occ; 102; 0;42913
5; 756.8; 15-MAY-2010 23:55:25; Dark ; 43.5; 141; Bet Ara ; 2.84; 4600;occ; 87; 0;42913
6; 931.6; 15-MAY-2010 23:58:20; Dark ; 30.0; 38; 20Eps Sgr ; 1.84; 11000;occ; 60; 0;42913
7; 1022.1; 15-MAY-2010 23:59:50; Dark ; 54.0; 25; 35Lam Sco ; 1.62; 28000;occ; 108; 0;42913
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9; 1349.3; 16-MAY-2010 00:05:17; Dark ; 63.0; 16; 21Alp Sco ; 1.02; 3000;occ; 126; 0;42913
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11; 1727.3; 16-MAY-2010 00:11:35; Bright; 40.0; 104; 27Bet Lib ; 2.61; 13100;occ; 80; 0;42913
 12; 1857.3; 16-MAY-2010 00:13:45; Bright; 50.0; 120; 1Del Oph ; 2.73; 3200;occ; 100; 0;42913
 13; 2047.9; 16-MAY-2010 00:16:56; Bright; 44.5; 102; 24Alp Ser ; 2.60; 4250;occ; 89; 0;42913
 14; 2383.2; 16-MAY-2010 00:22:31; Bright; 37.0; 83; ; 2.38; 11000;occ; 74; 0;42913
 15; 2570.9; 16-MAY-2010 00:25:39; Bright; 38.0; 180; 27Gam Boo ; 3.04; 8000;occ; 76; 0;42913
 16; 3092.9; 16-MAY-2010 00:34:21; Bright; 43.0; 119; 14Eta Dra ; 2.73; 4700;occ; 86; 0;42913
 17; 3749.7; 16-MAY-2010 00:45:18; Bright; 46.0; 89; 5Alp Cep ; 2.45; 8000;occ; 92; 0;42913
 18; 3961.8; 16-MAY-2010 00:48:50; Bright; 38.5; 74; 11Bet Cas ; 2.27; 6600;occ; 77; 0;42913
 19; 4514.0; 16-MAY-2010 00:58:02; Dark ; 44.0; 58; 21Alp And ; 2.07; 11000;occ; 88; 0;42913
 20; 4763.0; 16-MAY-2010 01:02:11; Dark ; 43.5; 140; 88Gam Peg ; 2.83; 26000;occ; 87; 0;42913
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 5; 757.2; 16-MAY-2010 01:36:01; Dark ; 46.0; 141; Bet Ara ; 2.84; 4600;occ; 92; 0;42914
 6; 932.4; 16-MAY-2010 01:38:56; Dark ; 32.0; 38; 20Eps Sgr ; 1.84; 11000;occ; 64; 0;42914
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 16; 3092.7; 16-MAY-2010 02:14:57; Bright; 40.5; 119; 14Eta Dra ; 2.73; 4700;occ; 81; 0;42914
 17; 3749.4; 16-MAY-2010 02:25:53; Bright; 45.5; 89; 5Alp Cep ; 2.45; 8000;occ; 91; 0;42914
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 21; 4861.5; 16-MAY-2010 02:44:25; Dark ; 56.0; 90; 54Alp Peg ; 2.49; 11000;occ; 112; 0;42914
 22; 5678.8; 16-MAY-2010 02:58:03; Dark ; 47.0; 18; 24Alp PsA ; 1.17; 9700;occ; 94; 0;42914
 23; 5827.3; 16-MAY-2010 03:00:31; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;42914
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 26; 6794.1; 16-MAY-2010 03:16:38; Dark ; 46.0; 141; Bet Ara ; 2.84; 4600;occ; 92; 0;42915
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 29; 7200.0; 16-MAY-2010 03:23:24; Dark ; 55.0; 75; 26Eps Sco ; 2.29; 4250;occ; 110; 0;42915
 30; 7386.2; 16-MAY-2010 03:26:30; Dark ; 56.0; 16; 21Alp Sco ; 1.02; 3000;occ; 112; 0;42915
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 32; 7763.0; 16-MAY-2010 03:32:47; Bright; 41.0; 104; 27Bet Lib ; 2.61; 13100;occ; 82; 0;42915
 33; 7893.0; 16-MAY-2010 03:34:57; Bright; 50.5; 120; 1Del Oph ; 2.73; 3200;occ; 101; 0;42915
 34; 8083.1; 16-MAY-2010 03:38:07; Bright; 44.5; 102; 24Alp Ser ; 2.60; 4250;occ; 89; 0;42915
 35; 8418.5; 16-MAY-2010 03:43:42; Bright; 41.0; 83; ; 2.38; 11000;occ; 82; 0;42915
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 10; 326.8; 16-MAY-2010 04:50:03; Dark ; 43.0; 45; Alp Pav ; 1.94; 26000;occ; 86; 0;42916
 11; 758.3; 16-MAY-2010 04:57:14; Dark ; 44.0; 141; Bet Ara ; 2.84; 4600;occ; 88; 0;42916
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22; 3091.8; 16-MAY-2010 05:36:08; Bright; 41.0; 119; 14Eta Dra ; 2.73; 4700;occ; 82; 0;42916
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2;-2074.4; 16-MAY-2010 05:50:38; Bright; 52.5; 74; 11Bet Cas ; 2.27; 6600;occ; 105; 0;42916
3;-1521.5; 16-MAY-2010 05:59:50; Dark ; 46.5; 58; 21Alp And ; 2.07; 11000;occ; 93; 0;42916
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 9; 5.7; 17-MAY-2010 07:34:16; Dark ; 51.5; 31; Alp Gru ; 1.73; 15200;occ; 103; 0;42931
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11; 766.4; 17-MAY-2010 07:46:57; Dark ; 44.0; 141; Bet Ara ; 2.84; 4600;occ; 88; 0;42932
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13; 1034.0; 17-MAY-2010 07:51:25; Dark ; 52.0; 25; 35Lam Sco ; 1.62; 28000;occ; 104; 0;42932
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 8; 3960.6; 17-MAY-2010 08:40:11; Bright; 55.0; 74; 11Bet Cas ; 2.27; 6600;occ; 110; 0;42932
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16; 6375.1; 17-MAY-2010 11:01:02; Dark ; 43.0; 45; Alp Pav ; 1.94; 26000;occ; 86; 0;42934
17; 6803.2; 17-MAY-2010 11:08:10; Dark ; 41.0; 141; Bet Ara ; 2.84; 4600;occ; 82; 0;42934

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 7; 956.9; 17-MAY-2010 22:55:31; Dark ; 59.0; 38; 20Eps Sgr ; 1.84; 11000;occ; 118; 0;42941
 8; 1039.8; 17-MAY-2010 22:56:54; Dark ; 53.0; 25; 35Lam Sco ; 1.62; 28000;occ; 106; 0;42941
 9; 1175.7; 17-MAY-2010 22:59:10; Dark ; 51.5; 75; 26Eps Sco ; 2.29; 4250;occ; 103; 0;42941
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16; 2566.9; 17-MAY-2010 23:22:21; Bright; 37.0; 180; 27Gam Boo ; 3.04; 8000;occ; 74; 0;42941
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21; 4771.2; 17-MAY-2010 23:59:05; Dark ; 44.0; 140; 88Gam Peg ; 2.83; 26000;occ; 88; 0;42941
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 17; 6804.0; 17-MAY-2010 12:48:47; Dark ; 47.0; 141; Bet Ara ; 2.84; 4600;occ; 94; 0;42935
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 11; 4873.0; 17-MAY-2010 13:57:11; Dark ; 53.5; 90; 54Alp Peg ; 2.49; 11000;occ; 107; 0;42935
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 13; 5846.3; 17-MAY-2010 14:13:25; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;42935
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 17; 6804.3; 17-MAY-2010 14:29:23; Dark ; 48.5; 141; Bet Ara ; 2.84; 4600;occ; 97; 0;42936
 18; 6988.8; 17-MAY-2010 14:32:27; Dark ; 55.0; 38; 20Eps Sgr ; 1.84; 11000;occ; 110; 0;42936
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 18; 6805.2; 17-MAY-2010 16:10:00; Dark ; 40.5; 141; Bet Ara ; 2.84; 4600;occ; 81; 0;42937
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 6; 2378.8; 17-MAY-2010 16:36:49; Bright; 37.0; 83; ; 2.38; 11000;occ; 74; 0;42937
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 17; 6046.3; 17-MAY-2010 17:37:57; Dark ; 44.0; 31; Alp Gru ; 1.73; 15200;occ; 88; 0;42938
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 19; 6805.5; 17-MAY-2010 17:50:36; Dark ; 50.0; 141; Bet Ara ; 2.84; 4600;occ; 100; 0;42938
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 21; 6805.9; 17-MAY-2010 19:31:12; Dark ; 51.5; 141; Bet Ara ; 2.84; 4600;occ; 103; 0;42939
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 6; 771.3; 18-MAY-2010 00:33:01; Dark ; 43.5; 141; Bet Ara ; 2.84; 4600;occ; 87; 0;42942
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 12; 1728.4; 18-MAY-2010 00:48:58; Bright; 40.0; 104; 27Bet Lib ; 2.61; 13100;occ; 80; 0;42942
 13; 1851.5; 18-MAY-2010 00:51:01; Bright; 48.0; 120; 1Del Oph ; 2.73; 3200;occ; 96; 0;42942
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5; 346.0; 18-MAY-2010 02:06:32; Dark ; 41.0; 45; Alp Pav ; 1.94; 26000;occ; 82; 0;42943
6; 774.6; 18-MAY-2010 02:13:40; Dark ; 46.0; 141; Bet Ara ; 2.84; 4600;occ; 92; 0;42943
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11; 836.7; 18-MAY-2010 03:55:19; Dark ; 43.5; 147; Alp Ara ; 2.88; 26000;occ; 87; 0;42944
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16; 6874.9; 18-MAY-2010 10:37:45; Dark ; 41.5; 147; Alp Ara ; 2.88; 26000;occ; 83; 0;42948
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4; 46.2; 20-MAY-2010 21:05:29; Dark ; 47.0; 31; Alp Gru ; 1.73; 15200;occ; 94; 0;42983
5; 374.4; 20-MAY-2010 21:10:57; Dark ; 42.0; 45; Alp Pav ; 1.94; 26000;occ; 84; 0;42983
6; 791.1; 20-MAY-2010 21:17:54; Dark ; 44.5; 141; Bet Ara ; 2.84; 4600;occ; 89; 0;42983
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8; 1064.8; 20-MAY-2010 21:22:28; Dark ; 53.5; 25; 35Lam Sco ; 1.62; 28000;occ; 107; 0;42983
9; 1193.4; 20-MAY-2010 21:24:37; Dark ; 49.5; 75; 26Eps Sco ; 2.29; 4250;occ; 99; 0;42983
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13; 2372.9; 20-MAY-2010 21:44:16; Bright; 37.0; 83; ; 2.38; 11000;occ; 74; 0;42983
14; 2562.2; 20-MAY-2010 21:47:25; Bright; 37.0; 180; 27Gam Boo ; 3.04; 8000;occ; 74; 0;42983
15; 3061.7; 20-MAY-2010 21:55:45; Bright; 41.0; 119; 14Eta Dra ; 2.73; 4700;occ; 82; 0;42983

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15; 3061.5; 20-MAY-2010 23:36:20; Bright; 40.5; 119; 14Eta Dra ; 2.73; 4700;occ; 81; 0;42984
16; 3175.6; 20-MAY-2010 23:38:15; Bright; 39.0; 60; 7Bet UMi ; 2.08; 3950;occ; 78; 0;42984
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 7; 954.5; 21-MAY-2010 00:41:49; Dark ; 53.5; 40; The Sco ; 1.86; 7100;occ; 107; 0;42985
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13; 2372.8; 21-MAY-2010 01:05:28; Bright; 36.0; 83; ; 2.38; 11000;occ; 72; 0;42985
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9; 377.3; 21-MAY-2010 03:53:24; Dark ; 42.5; 45; Alp Pav ; 1.94; 26000;occ; 85; 0;42987
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13; 1195.1; 21-MAY-2010 04:07:02; Dark ; 50.5; 75; 26Eps Sco ; 2.29; 4250;occ; 101; 0;42987
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17; 3055.8; 21-MAY-2010 23:04:38; Bright; 41.5; 119; 14Eta Dra ; 2.73; 4700;occ; 83; 0;42998

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15; 2371.3; 22-MAY-2010 00:33:49; Bright; 36.0; 83; ; 2.38; 11000;occ; 72; 0;42999
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13; 1843.1; 22-MAY-2010 02:05:37; Bright; 46.0; 120; 1Del Oph ; 2.73; 3200;occ; 92; 0;43000
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 8; 799.5; 22-MAY-2010 03:28:49; Dark ; 47.5; 141; Bet Ara ; 2.84; 4600;occ; 95; 0;43001
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14; 1732.3; 22-MAY-2010 03:44:22; Bright; 38.5; 104; 27Bet Lib ; 2.61; 13100;occ; 77; 0;43001
15; 1843.1; 22-MAY-2010 03:46:13; Bright; 45.0; 120; 1Del Oph ; 2.73; 3200;occ; 90; 0;43001
16; 2028.5; 22-MAY-2010 03:49:18; Bright; 40.5; 102; 24Alp Ser ; 2.60; 4250;occ; 81; 0;43001
17; 2371.5; 22-MAY-2010 03:55:01; Bright; 36.5; 83; ; 2.38; 11000;occ; 73; 0;43001
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19; 3054.8; 22-MAY-2010 04:06:24; Bright; 41.0; 119; 14Eta Dra ; 2.73; 4700;occ; 82; 0;43001
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 17; 2371.5; 22-MAY-2010 05:35:37; Bright; 53.0; 83; ; 2.38; 11000;occ; 106; 0;43002
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 19; 3054.1; 22-MAY-2010 05:47:00; Bright; 41.5; 119; 14Eta Dra ; 2.73; 4700;occ; 83; 0;43002
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 21; 7411.7; 22-MAY-2010 08:40:13; Dark ; 53.0; 16; 21Alp Sco ; 1.02; 3000;occ; 106; 0;43004
 22; 7557.4; 22-MAY-2010 08:42:39; Bright; 43.0; 97; 8Bet1Sco ; 2.56; 30000;occ; 86; 0;43004
 23; 7769.1; 22-MAY-2010 08:46:11; Bright; 37.5; 104; 27Bet Lib ; 2.61; 13100;occ; 75; 0;43004

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 3; 2027.9; 22-MAY-2010 08:51:05; Bright; 40.5; 102; 24Alp Ser ; 2.60; 4250;occ; 81; 0;43004
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 11; 4792.5; 22-MAY-2010 09:37:10; Dark ; 46.5; 140; 88Gam Peg ; 2.83; 26000;occ; 93; 0;43004
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 13; 5912.8; 22-MAY-2010 09:55:50; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;43004
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 15; 6085.9; 22-MAY-2010 09:58:43; Dark ; 48.0; 172; Gam Gru ; 3.00; 13100;occ; 96; 0;43005
 16; 6425.8; 22-MAY-2010 10:04:23; Dark ; 42.5; 45; Alp Pav ; 1.94; 26000;occ; 85; 0;43005
 17; 6837.3; 22-MAY-2010 10:11:15; Dark ; 44.0; 141; Bet Ara ; 2.84; 4600;occ; 88; 0;43005
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 21; 7411.8; 22-MAY-2010 10:20:49; Dark ; 54.0; 16; 21Alp Sco ; 1.02; 3000;occ; 108; 0;43005
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 3; 2027.4; 22-MAY-2010 10:31:41; Bright; 40.5; 102; 24Alp Ser ; 2.60; 4250;occ; 81; 0;43005
 4; 2371.1; 22-MAY-2010 10:37:24; Bright; 36.5; 83; ; 2.38; 11000;occ; 73; 0;43005
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 11; 4792.9; 22-MAY-2010 11:17:46; Dark ; 43.5; 140; 88Gam Peg ; 2.83; 26000;occ; 87; 0;43005
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 13; 5913.8; 22-MAY-2010 11:36:27; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;43005
 14; 6002.5; 22-MAY-2010 11:37:56; Dark ; 45.5; 63; Bet Gru ; 2.15; 2800;occ; 91; 0;43005
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 16; 6426.4; 22-MAY-2010 11:45:00; Dark ; 41.5; 45; Alp Pav ; 1.94; 26000;occ; 83; 0;43006
 17; 6837.5; 22-MAY-2010 11:51:51; Dark ; 43.5; 141; Bet Ara ; 2.84; 4600;occ; 87; 0;43006
 18; 7002.4; 22-MAY-2010 11:54:36; Dark ; 50.5; 40; The Sco ; 1.86; 7100;occ; 101; 0;43006
 19; 7113.4; 22-MAY-2010 11:56:27; Dark ; 55.0; 25; 35Lam Sco ; 1.62; 28000;occ; 110; 0;43006
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 21; 7412.0; 22-MAY-2010 12:01:25; Dark ; 55.0; 16; 21Alp Sco ; 1.02; 3000;occ; 110; 0;43006
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 3; 2027.3; 22-MAY-2010 12:12:16; Bright; 40.5; 102; 24Alp Ser ; 2.60; 4250;occ; 81; 0;43006
 4; 2371.0; 22-MAY-2010 12:18:00; Bright; 40.5; 83; ; 2.38; 11000;occ; 81; 0;43006
 5; 2560.8; 22-MAY-2010 12:21:10; Bright; 36.5; 180; 27Gam Boo ; 3.04; 8000;occ; 73; 0;43006
 6; 3052.7; 22-MAY-2010 12:29:22; Bright; 41.0; 119; 14Eta Dra ; 2.73; 4700;occ; 82; 0;43006
 7; 3173.5; 22-MAY-2010 12:31:23; Bright; 37.0; 60; 7Bet UMi ; 2.08; 3950;occ; 74; 0;43006
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 9; 4009.4; 22-MAY-2010 12:45:19; Bright; 55.0; 68; 18Alp Cas ; 2.22; 4500;occ; 110; 0;43006
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13; 5914.8; 22-MAY-2010 13:17:04; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;43006
14; 6003.3; 22-MAY-2010 13:18:32; Dark ; 48.5; 63; Bet Gru ; 2.15; 2800;occ; 97; 0;43006
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16; 6426.9; 22-MAY-2010 13:25:36; Dark ; 41.5; 45; Alp Pav ; 1.94; 26000;occ; 83; 0;43007
17; 6838.3; 22-MAY-2010 13:32:27; Dark ; 43.5; 141; Bet Ara ; 2.84; 4600;occ; 87; 0;43007
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 3; 1842.1; 22-MAY-2010 13:49:47; Bright; 44.5; 120; 1Del Oph ; 2.73; 3200;occ; 89; 0;43007
 4; 2027.3; 22-MAY-2010 13:52:52; Bright; 40.5; 102; 24Alp Ser ; 2.60; 4250;occ; 81; 0;43007
 5; 2371.2; 22-MAY-2010 13:58:36; Bright; 40.0; 83; ; 2.38; 11000;occ; 80; 0;43007
 6; 2561.0; 22-MAY-2010 14:01:46; Bright; 37.0; 180; 27Gam Boo ; 3.04; 8000;occ; 74; 0;43007
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10; 4009.5; 22-MAY-2010 14:25:55; Bright; 52.0; 68; 18Alp Cas ; 2.22; 4500;occ; 104; 0;43007
11; 4529.9; 22-MAY-2010 14:34:35; Dark ; 48.5; 58; 21Alp And ; 2.07; 11000;occ; 97; 0;43007
12; 4793.8; 22-MAY-2010 14:38:59; Dark ; 46.5; 140; 88Gam Peg ; 2.83; 26000;occ; 93; 0;43007
13; 5761.5; 22-MAY-2010 14:55:07; Dark ; 50.0; 18; 24Alp PsA ; 1.17; 9700;occ; 100; 0;43007
14; 5915.9; 22-MAY-2010 14:57:41; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;43007
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 9; 3173.7; 22-MAY-2010 15:52:35; Bright; 38.0; 60; 7Bet UMi ; 2.08; 3950;occ; 76; 0;43008
10; 3937.2; 22-MAY-2010 16:05:18; Bright; 52.0; 76; 27Gam Cas ; 2.30; 30000;occ; 104; 0;43008
11; 4009.6; 22-MAY-2010 16:06:31; Bright; 36.5; 68; 18Alp Cas ; 2.22; 4500;occ; 73; 0;43008
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13; 4794.0; 22-MAY-2010 16:19:35; Dark ; 44.5; 140; 88Gam Peg ; 2.83; 26000;occ; 89; 0;43008
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16; 6004.6; 22-MAY-2010 16:39:46; Dark ; 52.0; 63; Bet Gru ; 2.15; 2800;occ; 104; 0;43008
17; 6090.4; 22-MAY-2010 16:41:11; Dark ; 49.0; 172; Gam Gru ; 3.00; 13100;occ; 98; 0;43009
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12; 4009.4; 22-MAY-2010 17:47:06; Bright; 38.0; 68; 18Alp Cas ; 2.22; 4500;occ; 76; 0;43009
13; 4530.0; 22-MAY-2010 17:55:47; Dark ; 50.0; 58; 21Alp And ; 2.07; 11000;occ; 100; 0;43009
14; 4794.7; 22-MAY-2010 18:00:12; Dark ; 44.5; 140; 88Gam Peg ; 2.83; 26000;occ; 89; 0;43009
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 5; 1524.7; 23-MAY-2010 18:14:41; Bright; 42.0; 97; 8Bet1Sco ; 2.56; 30000;occ; 84; 0;43024
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20; 6846.1; 23-MAY-2010 19:43:22; Dark ; 46.5; 141; Bet Ara ; 2.84; 4600;occ; 93; 0;43025
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 4; 404.7; 23-MAY-2010 21:17:13; Dark ; 43.0; 45; Alp Pav ; 1.94; 26000;occ; 86; 0;43026
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16; 3936.5; 23-MAY-2010 22:16:04; Bright; 37.5; 76; 27Gam Cas ; 2.30; 30000;occ; 75; 0;43026
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19; 4533.1; 23-MAY-2010 22:26:01; Dark ; 51.5; 58; 21Alp And ; 2.07; 11000;occ; 103; 0;43026
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 14; 2370.0; 23-MAY-2010 23:30:34; Bright; 36.0; 83; ; 2.38; 11000;occ; 72; 0;43027
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 16; 3171.9; 23-MAY-2010 23:43:56; Bright; 38.0; 60; 7Bet UMi ; 2.08; 3950;occ; 76; 0;43027
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 18; 4008.5; 23-MAY-2010 23:57:52; Bright; 55.0; 68; 18Alp Cas ; 2.22; 4500;occ; 110; 0;43027
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 4; 405.9; 24-MAY-2010 00:38:25; Dark ; 42.5; 45; Alp Pav ; 1.94; 26000;occ; 85; 0;43028
 5; 811.6; 24-MAY-2010 00:45:11; Dark ; 44.0; 141; Bet Ara ; 2.84; 4600;occ; 88; 0;43028
 6; 978.6; 24-MAY-2010 00:47:58; Dark ; 53.0; 40; The Sco ; 1.86; 7100;occ; 106; 0;43028
 7; 1089.1; 24-MAY-2010 00:49:49; Dark ; 49.5; 25; 35Lam Sco ; 1.62; 28000;occ; 99; 0;43028
 8; 1211.2; 24-MAY-2010 00:51:51; Dark ; 53.5; 75; 26Eps Sco ; 2.29; 4250;occ; 107; 0;43028
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 14; 2369.9; 24-MAY-2010 01:11:09; Bright; 39.5; 83; ; 2.38; 11000;occ; 79; 0;43028
 15; 3043.9; 24-MAY-2010 01:22:23; Bright; 36.5; 119; 14Eta Dra ; 2.73; 4700;occ; 73; 0;43028
 16; 3171.7; 24-MAY-2010 01:24:31; Bright; 36.5; 60; 7Bet UMi ; 2.08; 3950;occ; 73; 0;43028
 17; 3936.5; 24-MAY-2010 01:37:16; Bright; 50.0; 76; 27Gam Cas ; 2.30; 30000;occ; 100; 0;43028
 18; 4008.4; 24-MAY-2010 01:38:28; Bright; 55.0; 68; 18Alp Cas ; 2.22; 4500;occ; 110; 0;43028
 19; 4381.2; 24-MAY-2010 01:44:41; Bright; 38.5; 53; 43Bet And ; 2.05; 3300;occ; 77; 0;43028
 20; 4533.3; 24-MAY-2010 01:47:13; Dark ; 48.0; 58; 21Alp And ; 2.07; 11000;occ; 96; 0;43028
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 3; -98.3; 24-MAY-2010 02:10:37; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;43028
 4; 84.8; 24-MAY-2010 02:13:40; Dark ; 45.5; 31; Alp Gru ; 1.73; 15200;occ; 91; 0;43029
 5; 406.7; 24-MAY-2010 02:19:02; Dark ; 42.0; 45; Alp Pav ; 1.94; 26000;occ; 84; 0;43029
 6; 812.0; 24-MAY-2010 02:25:47; Dark ; 43.0; 141; Bet Ara ; 2.84; 4600;occ; 86; 0;43029
 7; 979.2; 24-MAY-2010 02:28:35; Dark ; 49.5; 40; The Sco ; 1.86; 7100;occ; 99; 0;43029
 8; 1089.7; 24-MAY-2010 02:30:25; Dark ; 49.0; 25; 35Lam Sco ; 1.62; 28000;occ; 98; 0;43029
 9; 1211.3; 24-MAY-2010 02:32:27; Dark ; 50.5; 75; 26Eps Sco ; 2.29; 4250;occ; 101; 0;43029
 10; 1382.2; 24-MAY-2010 02:35:18; Dark ; 59.0; 16; 21Alp Sco ; 1.02; 3000;occ; 118; 0;43029
 11; 1525.7; 24-MAY-2010 02:37:41; Bright; 41.5; 97; 8Bet1Sco ; 2.56; 30000;occ; 83; 0;43029
 12; 1734.4; 24-MAY-2010 02:41:10; Bright; 15.0; 104; 27Bet Lib ; 2.61; 13100;occ; 30; 0;43029
 13; 1839.7; 24-MAY-2010 02:42:55; Bright; 45.0; 120; 1Del Oph ; 2.73; 3200;occ; 90; 0;43029
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 15; 2369.7; 24-MAY-2010 02:51:45; Bright; 39.5; 83; ; 2.38; 11000;occ; 79; 0;43029
 16; 3043.3; 24-MAY-2010 03:02:59; Bright; 37.0; 119; 14Eta Dra ; 2.73; 4700;occ; 74; 0;43029
 17; 3171.8; 24-MAY-2010 03:05:07; Bright; 37.0; 60; 7Bet UMi ; 2.08; 3950;occ; 74; 0;43029

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 5; -1234.2; 24-MAY-2010 03:32:17; Dark ; 46.5; 140; 88Gam Peg ; 2.83; 26000;occ; 93; 0;43029

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4; 95.3; 24-MAY-2010 22:21:02; Dark ; 42.5; 31; Alp Gru ; 1.73; 15200;occ; 85; 0;43041
5; 415.2; 24-MAY-2010 22:26:22; Dark ; 44.5; 45; Alp Pav ; 1.94; 26000;occ; 89; 0;43041
6; 817.2; 24-MAY-2010 22:33:04; Dark ; 42.5; 141; Bet Ara ; 2.84; 4600;occ; 85; 0;43041
7; 985.5; 24-MAY-2010 22:35:52; Dark ; 47.5; 40; The Sco ; 1.86; 7100;occ; 95; 0;43041
8; 1095.8; 24-MAY-2010 22:37:42; Dark ; 47.5; 25; 35Lam Sco ; 1.62; 28000;occ; 95; 0;43041
9; 1215.7; 24-MAY-2010 22:39:42; Dark ; 46.5; 75; 26Eps Sco ; 2.29; 4250;occ; 93; 0;43041
10; 1385.1; 24-MAY-2010 22:42:32; Dark ; 59.0; 16; 21Alp Sco ; 1.02; 3000;occ; 118; 0;43041

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13; 1838.7; 24-MAY-2010 22:50:05; Bright; 44.0; 120; 1Del Oph ; 2.73; 3200;occ; 88; 0;43041
14; 2022.4; 24-MAY-2010 22:53:09; Bright; 39.5; 102; 24Alp Ser ; 2.60; 4250;occ; 79; 0;43041
15; 2369.2; 24-MAY-2010 22:58:56; Bright; 39.5; 83; ; 2.38; 11000;occ; 79; 0;43041
16; 3039.0; 24-MAY-2010 23:10:06; Bright; 40.5; 119; 14Eta Dra ; 2.73; 4700;occ; 81; 0;43041
17; 3171.0; 24-MAY-2010 23:12:18; Bright; 38.5; 60; 7Bet UMi ; 2.08; 3950;occ; 77; 0;43041
18; 3936.1; 24-MAY-2010 23:25:03; Bright; 54.0; 76; 27Gam Cas ; 2.30; 30000;occ; 108; 0;43041
19; 4007.8; 24-MAY-2010 23:26:14; Bright; 37.5; 68; 18Alp Cas ; 2.22; 4500;occ; 75; 0;43041
20; 4382.8; 24-MAY-2010 23:32:29; Bright; 38.5; 53; 43Bet And ; 2.05; 3300;occ; 77; 0;43041
21; 4535.8; 24-MAY-2010 23:35:02; Dark ; 47.5; 58; 21Alp And ; 2.07; 11000;occ; 95; 0;43041
22; 4806.1; 24-MAY-2010 23:39:33; Dark ; 47.5; 140; 88Gam Peg ; 2.83; 26000;occ; 95; 0;43041
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 3; -6.8; 24-MAY-2010 23:59:56; Dark ; 48.5; 63; Bet Gru ; 2.15; 2800;occ; 97; 0;43041
 4; 96.1; 25-MAY-2010 00:01:39; Dark ; 45.5; 31; Alp Gru ; 1.73; 15200;occ; 91; 0;43042
 5; 415.9; 25-MAY-2010 00:06:58; Dark ; 42.0; 45; Alp Pav ; 1.94; 26000;occ; 84; 0;43042
 6; 817.7; 25-MAY-2010 00:13:40; Dark ; 43.5; 141; Bet Ara ; 2.84; 4600;occ; 87; 0;43042
 7; 985.8; 25-MAY-2010 00:16:28; Dark ; 49.5; 40; The Sco ; 1.86; 7100;occ; 99; 0;43042
 8; 1096.1; 25-MAY-2010 00:18:19; Dark ; 49.5; 25; 35Lam Sco ; 1.62; 28000;occ; 99; 0;43042
 9; 1215.9; 25-MAY-2010 00:20:18; Dark ; 49.5; 75; 26Eps Sco ; 2.29; 4250;occ; 99; 0;43042
10; 1385.6; 25-MAY-2010 00:23:08; Dark ; 52.0; 16; 21Alp Sco ; 1.02; 3000;occ; 104; 0;43042
11; 1527.9; 25-MAY-2010 00:25:30; Bright; 39.5; 97; 8Bet1Sco ; 2.56; 30000;occ; 79; 0;43042
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13; 1838.6; 25-MAY-2010 00:30:41; Bright; 45.5; 120; 1Del Oph ; 2.73; 3200;occ; 91; 0;43042
14; 2022.4; 25-MAY-2010 00:33:45; Bright; 39.0; 102; 24Alp Ser ; 2.60; 4250;occ; 78; 0;43042
15; 2369.0; 25-MAY-2010 00:39:32; Bright; 38.5; 83; ; 2.38; 11000;occ; 77; 0;43042
16; 3038.7; 25-MAY-2010 00:50:41; Bright; 38.5; 119; 14Eta Dra ; 2.73; 4700;occ; 77; 0;43042
17; 3170.6; 25-MAY-2010 00:52:53; Bright; 38.0; 60; 7Bet UMi ; 2.08; 3950;occ; 76; 0;43042
18; 3935.7; 25-MAY-2010 01:05:38; Bright; 54.0; 76; 27Gam Cas ; 2.30; 30000;occ; 108; 0;43042
19; 4007.7; 25-MAY-2010 01:06:50; Bright; 38.5; 68; 18Alp Cas ; 2.22; 4500;occ; 77; 0;43042
20; 4382.8; 25-MAY-2010 01:13:05; Bright; 39.0; 53; 43Bet And ; 2.05; 3300;occ; 78; 0;43042
21; 4535.9; 25-MAY-2010 01:15:38; Dark ; 44.5; 58; 21Alp And ; 2.07; 11000;occ; 89; 0;43042
22; 4806.4; 25-MAY-2010 01:20:09; Dark ; 46.0; 140; 88Gam Peg ; 2.83; 26000;occ; 92; 0;43042
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 3; -1654.3; 24-MAY-2010 06:46:29; Bright; 39.0; 53; 43Bet And ; 2.05; 3300;occ; 78; 0;43031
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 5; -1233.6; 24-MAY-2010 06:53:30; Dark ; 46.5; 140; 88Gam Peg ; 2.83; 26000;occ; 93; 0;43031
 6; -703.9; 24-MAY-2010 07:02:19; Dark ; 46.0; 52; 16Bet Cet ; 2.04; 4500;occ; 92; 0;43031
 7; -250.9; 24-MAY-2010 07:09:52; Dark ; 53.5; 18; 24Alp PsA ; 1.17; 9700;occ; 107; 0;43031
 8; -95.2; 24-MAY-2010 07:12:28; Dark ; 59.0; 0; ; 0.00; 0;occ; 118; 0;43031
 9; 87.5; 24-MAY-2010 07:15:31; Dark ; 44.0; 31; Alp Gru ; 1.73; 15200;occ; 88; 0;43032
10; 408.9; 24-MAY-2010 07:20:52; Dark ; 41.5; 45; Alp Pav ; 1.94; 26000;occ; 83; 0;43032
11; 813.4; 24-MAY-2010 07:27:37; Dark ; 49.5; 141; Bet Ara ; 2.84; 4600;occ; 99; 0;43032
12; 980.9; 24-MAY-2010 07:30:24; Dark ; 48.5; 40; The Sco ; 1.86; 7100;occ; 97; 0;43032
13; 1091.3; 24-MAY-2010 07:32:15; Dark ; 48.5; 25; 35Lam Sco ; 1.62; 28000;occ; 97; 0;43032
14; 1212.3; 24-MAY-2010 07:34:16; Dark ; 45.5; 75; 26Eps Sco ; 2.29; 4250;occ; 91; 0;43032
15; 1383.0; 24-MAY-2010 07:37:06; Dark ; 59.5; 16; 21Alp Sco ; 1.02; 3000;occ; 119; 0;43032
16; 1526.1; 24-MAY-2010 07:39:29; Bright; 41.5; 97; 8Bet1Sco ; 2.56; 30000;occ; 83; 0;43032
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 2; 1839.9; 24-MAY-2010 07:44:43; Bright; 42.0; 120; 1Del Oph ; 2.73; 3200;occ; 84; 0;43032
 3; 2023.5; 24-MAY-2010 07:47:47; Bright; 40.5; 102; 24Alp Ser ; 2.60; 4250;occ; 81; 0;43032
 4; 2369.5; 24-MAY-2010 07:53:33; Bright; 37.0; 83; ; 2.38; 11000;occ; 74; 0;43032
 5; 3042.5; 24-MAY-2010 08:04:46; Bright; 39.5; 119; 14Eta Dra ; 2.73; 4700;occ; 79; 0;43032
 6; 3171.6; 24-MAY-2010 08:06:55; Bright; 39.5; 60; 7Bet UMi ; 2.08; 3950;occ; 79; 0;43032
 7; 3936.7; 24-MAY-2010 08:19:40; Bright; 38.0; 76; 27Gam Cas ; 2.30; 30000;occ; 76; 0;43032
 8; 4008.2; 24-MAY-2010 08:20:51; Bright; 38.0; 68; 18Alp Cas ; 2.22; 4500;occ; 76; 0;43032
 9; 4381.6; 24-MAY-2010 08:27:05; Bright; 38.5; 53; 43Bet And ; 2.05; 3300;occ; 77; 0;43032
10; 4534.3; 24-MAY-2010 08:29:38; Dark ; 49.0; 58; 21Alp And ; 2.07; 11000;occ; 98; 0;43032
11; 4802.7; 24-MAY-2010 08:34:06; Dark ; 45.0; 140; 88Gam Peg ; 2.83; 26000;occ; 90; 0;43032
12; 5332.1; 24-MAY-2010 08:42:55; Dark ; 48.0; 52; 16Bet Cet ; 2.04; 4500;occ; 96; 0;43032
13; 5785.9; 24-MAY-2010 08:50:29; Dark ; 53.5; 18; 24Alp PsA ; 1.17; 9700;occ; 107; 0;43032
14; 5881.2; 24-MAY-2010 08:52:05; Dark ; 43.5; 0; ; 0.00; 0;occ; 87; 0;43032

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 16; 6124.5; 24-MAY-2010 08:56:08; Dark ; 54.5; 31; Alp Gru ; 1.73; 15200;occ; 109; 0;43033
 17; 6445.4; 24-MAY-2010 09:01:29; Dark ; 41.0; 45; Alp Pav ; 1.94; 26000;occ; 82; 0;43033
 18; 6850.0; 24-MAY-2010 09:08:13; Dark ; 43.0; 141; Bet Ara ; 2.84; 4600;occ; 86; 0;43033
 19; 7017.2; 24-MAY-2010 09:11:01; Dark ; 47.5; 40; The Sco ; 1.86; 7100;occ; 95; 0;43033
 20; 7127.7; 24-MAY-2010 09:12:51; Dark ; 52.0; 25; 35Lam Sco ; 1.62; 28000;occ; 104; 0;43033
 21; 7248.8; 24-MAY-2010 09:14:52; Dark ; 51.0; 75; 26Eps Sco ; 2.29; 4250;occ; 102; 0;43033
 22; 7419.3; 24-MAY-2010 09:17:43; Dark ; 54.0; 16; 21Alp Sco ; 1.02; 3000;occ; 108; 0;43033
 23; 7562.1; 24-MAY-2010 09:20:05; Bright; 43.0; 97; 8Bet1Sco ; 2.56; 30000;occ; 86; 0;43033
 24; 7771.0; 24-MAY-2010 09:23:34; Bright; 37.0; 104; 27Bet Lib ; 2.61; 13100;occ; 74; 0;43033

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 4; 2369.6; 24-MAY-2010 09:34:09; Bright; 36.5; 83; ; 2.38; 11000;occ; 73; 0;43033
 5; 3042.1; 24-MAY-2010 09:45:21; Bright; 38.5; 119; 14Eta Dra ; 2.73; 4700;occ; 77; 0;43033
 6; 3171.5; 24-MAY-2010 09:47:31; Bright; 34.5; 60; 7Bet UMi ; 2.08; 3950;occ; 69; 0;43033
 7; 3936.3; 24-MAY-2010 10:00:16; Bright; 35.5; 76; 27Gam Cas ; 2.30; 30000;occ; 71; 0;43033
 8; 4008.3; 24-MAY-2010 10:01:28; Bright; 38.0; 68; 18Alp Cas ; 2.22; 4500;occ; 76; 0;43033
 9; 4381.8; 24-MAY-2010 10:07:41; Bright; 38.5; 53; 43Bet And ; 2.05; 3300;occ; 77; 0;43033
 10; 4534.5; 24-MAY-2010 10:10:14; Dark ; 47.5; 58; 21Alp And ; 2.07; 11000;occ; 95; 0;43033
 11; 4803.3; 24-MAY-2010 10:14:43; Dark ; 46.5; 140; 88Gam Peg ; 2.83; 26000;occ; 93; 0;43033
 12; 5332.6; 24-MAY-2010 10:23:32; Dark ; 43.5; 52; 16Bet Cet ; 2.04; 4500;occ; 87; 0;43033
 13; 5787.3; 24-MAY-2010 10:31:07; Dark ; 57.5; 18; 24Alp PsA ; 1.17; 9700;occ; 115; 0;43033
 14; 5877.3; 24-MAY-2010 10:32:37; Dark ; 43.5; 0; ; 0.00; 0;occ; 87; 0;43033
 15; 6023.1; 24-MAY-2010 10:35:02; Dark ; 46.5; 63; Bet Gru ; 2.15; 2800;occ; 93; 0;43033
 16; 6124.9; 24-MAY-2010 10:36:44; Dark ; 44.5; 31; Alp Gru ; 1.73; 15200;occ; 89; 0;43034
 17; 6446.4; 24-MAY-2010 10:42:06; Dark ; 41.0; 45; Alp Pav ; 1.94; 26000;occ; 82; 0;43034
 18; 6850.1; 24-MAY-2010 10:48:49; Dark ; 42.5; 141; Bet Ara ; 2.84; 4600;occ; 85; 0;43034
 19; 7017.5; 24-MAY-2010 10:51:37; Dark ; 49.5; 40; The Sco ; 1.86; 7100;occ; 99; 0;43034
 20; 7128.2; 24-MAY-2010 10:53:27; Dark ; 49.0; 25; 35Lam Sco ; 1.62; 28000;occ; 98; 0;43034
 21; 7249.0; 24-MAY-2010 10:55:28; Dark ; 49.0; 75; 26Eps Sco ; 2.29; 4250;occ; 98; 0;43034
 22; 7419.6; 24-MAY-2010 10:58:19; Dark ; 55.5; 16; 21Alp Sco ; 1.02; 3000;occ; 111; 0;43034
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 3; 2023.2; 24-MAY-2010 11:08:58; Bright; 39.0; 102; 24Alp Ser ; 2.60; 4250;occ; 78; 0;43034
 4; 2369.6; 24-MAY-2010 11:14:45; Bright; 39.0; 83; ; 2.38; 11000;occ; 78; 0;43034
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 6; 3171.3; 24-MAY-2010 11:28:06; Bright; 37.0; 60; 7Bet UMi ; 2.08; 3950;occ; 74; 0;43034
 7; 3936.2; 24-MAY-2010 11:40:51; Bright; 54.0; 76; 27Gam Cas ; 2.30; 30000;occ; 108; 0;43034
 8; 4008.3; 24-MAY-2010 11:42:03; Bright; 55.0; 68; 18Alp Cas ; 2.22; 4500;occ; 110; 0;43034
 9; 4382.1; 24-MAY-2010 11:48:17; Bright; 38.0; 53; 43Bet And ; 2.05; 3300;occ; 76; 0;43034
 10; 4534.6; 24-MAY-2010 11:50:50; Dark ; 49.5; 58; 21Alp And ; 2.07; 11000;occ; 99; 0;43034
 11; 4803.4; 24-MAY-2010 11:55:18; Dark ; 45.5; 140; 88Gam Peg ; 2.83; 26000;occ; 91; 0;43034
 12; 5333.2; 24-MAY-2010 12:04:08; Dark ; 45.0; 52; 16Bet Cet ; 2.04; 4500;occ; 90; 0;43034
 13; 5871.3; 24-MAY-2010 12:13:06; Dark ; 54.5; 0; ; 0.00; 0;occ; 109; 0;43034
 14; 6023.8; 24-MAY-2010 12:15:39; Dark ; 51.5; 63; Bet Gru ; 2.15; 2800;occ; 103; 0;43034
 15; 6125.8; 24-MAY-2010 12:17:21; Dark ; 44.0; 31; Alp Gru ; 1.73; 15200;occ; 88; 0;43035
 16; 6447.0; 24-MAY-2010 12:22:42; Dark ; 41.5; 45; Alp Pav ; 1.94; 26000;occ; 83; 0;43035
 17; 6850.8; 24-MAY-2010 12:29:26; Dark ; 48.0; 141; Bet Ara ; 2.84; 4600;occ; 96; 0;43035
 18; 7018.2; 24-MAY-2010 12:32:13; Dark ; 49.0; 40; The Sco ; 1.86; 7100;occ; 98; 0;43035
 19; 7128.7; 24-MAY-2010 12:34:04; Dark ; 48.5; 25; 35Lam Sco ; 1.62; 28000;occ; 97; 0;43035
 20; 7249.3; 24-MAY-2010 12:36:04; Dark ; 49.0; 75; 26Eps Sco ; 2.29; 4250;occ; 98; 0;43035
 21; 7419.9; 24-MAY-2010 12:38:55; Dark ; 60.0; 16; 21Alp Sco ; 1.02; 3000;occ; 120; 0;43035
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 2; 1839.0; 24-MAY-2010 12:46:30; Bright; 43.5; 120; 1Del Oph ; 2.73; 3200;occ; 87; 0;43035
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 4; 2369.4; 24-MAY-2010 12:55:20; Bright; 35.5; 83; ; 2.38; 11000;occ; 71; 0;43035
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 7; 4007.9; 24-MAY-2010 13:22:39; Bright; 55.0; 68; 18Alp Cas ; 2.22; 4500;occ; 110; 0;43035
 8; 4382.0; 24-MAY-2010 13:28:53; Bright; 38.5; 53; 43Bet And ; 2.05; 3300;occ; 77; 0;43035
 9; 4534.8; 24-MAY-2010 13:31:26; Dark ; 49.0; 58; 21Alp And ; 2.07; 11000;occ; 98; 0;43035
 10; 4803.7; 24-MAY-2010 13:35:55; Dark ; 45.5; 140; 88Gam Peg ; 2.83; 26000;occ; 91; 0;43035

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 12; 5867.3; 24-MAY-2010 13:53:38; Dark ; 54.5; 0; ; 0.00; 0;occ; 109; 0;43035
 13; 6024.8; 24-MAY-2010 13:56:16; Dark ; 49.0; 63; Bet Gru ; 2.15; 2800;occ; 98; 0;43035
 14; 6126.7; 24-MAY-2010 13:57:58; Dark ; 45.5; 31; Alp Gru ; 1.73; 15200;occ; 91; 0;43036
 15; 6447.5; 24-MAY-2010 14:03:18; Dark ; 46.5; 45; Alp Pav ; 1.94; 26000;occ; 93; 0;43036
 16; 6851.0; 24-MAY-2010 14:10:02; Dark ; 44.0; 141; Bet Ara ; 2.84; 4600;occ; 88; 0;43036
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 19; 7249.8; 24-MAY-2010 14:16:41; Dark ; 50.0; 75; 26Eps Sco ; 2.29; 4250;occ; 100; 0;43036
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 3; 1839.4; 24-MAY-2010 14:27:06; Bright; 43.5; 120; 1Del Oph ; 2.73; 3200;occ; 87; 0;43036
 4; 2022.9; 24-MAY-2010 14:30:10; Bright; 39.5; 102; 24Alp Ser ; 2.60; 4250;occ; 79; 0;43036
 5; 2369.5; 24-MAY-2010 14:35:56; Bright; 38.5; 83; ; 2.38; 11000;occ; 77; 0;43036
 6; 3041.0; 24-MAY-2010 14:47:08; Bright; 41.0; 119; 14Eta Dra ; 2.73; 4700;occ; 82; 0;43036
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 14; 5862.2; 24-MAY-2010 15:34:09; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;43036
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 17; 6448.4; 24-MAY-2010 15:43:55; Dark ; 43.5; 45; Alp Pav ; 1.94; 26000;occ; 87; 0;43037
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 19; 7019.5; 24-MAY-2010 15:53:26; Dark ; 48.5; 40; The Sco ; 1.86; 7100;occ; 97; 0;43037
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 17; 6449.0; 24-MAY-2010 17:24:32; Dark ; 42.0; 45; Alp Pav ; 1.94; 26000;occ; 84; 0;43038
 18; 6852.2; 24-MAY-2010 17:31:15; Dark ; 41.5; 141; Bet Ara ; 2.84; 4600;occ; 83; 0;43038
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 8; 1097.1; 25-MAY-2010 01:58:55; Dark ; 50.5; 25; 35Lam Sco ; 1.62; 28000;occ; 101; 0;43043
 9; 1216.4; 25-MAY-2010 02:00:55; Dark ; 51.0; 75; 26Eps Sco ; 2.29; 4250;occ; 102; 0;43043
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 9; 97.7; 25-MAY-2010 03:22:52; Dark ; 43.5; 31; Alp Gru ; 1.73; 15200;occ; 87; 0;43044
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16; 3033.6; 26-MAY-2010 00:18:59; Bright; 36.5; 119; 14Eta Dra ; 2.73; 4700;occ; 73; 0;43056
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21; 4538.7; 26-MAY-2010 00:44:04; Dark ; 49.0; 58; 21Alp And ; 2.07; 11000;occ; 98; 0;43056
22; 4811.9; 26-MAY-2010 00:48:37; Dark ; 44.5; 140; 88Gam Peg ; 2.83; 26000;occ; 89; 0;43056
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 3; 820.4; 25-MAY-2010 10:17:18; Dark ; 41.5; 141; Bet Ara ; 2.84; 4600;occ; 83; 0;43048
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 5; 1101.2; 25-MAY-2010 10:21:59; Dark ; 46.0; 115; 34Ups Sco ; 2.70; 26000;occ; 92; 0;43048
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 7; 1387.0; 25-MAY-2010 10:26:45; Dark ; 57.0; 16; 21Alp Sco ; 1.02; 3000;occ; 114; 0;43048

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3; 2021.6; 25-MAY-2010 10:37:20; Bright; 38.5; 102; 24Alp Ser ; 2.60; 4250;occ; 77; 0;43048
4; 2368.7; 25-MAY-2010 10:43:07; Bright; 39.0; 83; ; 2.38; 11000;occ; 78; 0;43048
5; 3036.6; 25-MAY-2010 10:54:15; Bright; 40.5; 119; 14Eta Dra ; 2.73; 4700;occ; 81; 0;43048
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8; 4007.4; 25-MAY-2010 11:10:25; Bright; 37.0; 68; 18Alp Cas ; 2.22; 4500;occ; 74; 0;43048
9; 4383.4; 25-MAY-2010 11:16:41; Bright; 39.0; 53; 43Bet And ; 2.05; 3300;occ; 78; 0;43048
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16; 6456.6; 25-MAY-2010 11:51:15; Dark ; 41.0; 45; Alp Pav ; 1.94; 26000;occ; 82; 0;43049
17; 6856.5; 25-MAY-2010 11:57:55; Dark ; 42.5; 141; Bet Ara ; 2.84; 4600;occ; 85; 0;43049
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3; 2021.5; 25-MAY-2010 12:17:55; Bright; 39.0; 102; 24Alp Ser ; 2.60; 4250;occ; 78; 0;43049
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6; 3170.4; 25-MAY-2010 12:37:04; Bright; 38.0; 60; 7Bet UMi ; 2.08; 3950;occ; 76; 0;43049
7; 3935.7; 25-MAY-2010 12:49:50; Bright; 35.0; 76; 27Gam Cas ; 2.30; 30000;occ; 70; 0;43049
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9; 4383.6; 25-MAY-2010 12:57:18; Bright; 39.0; 53; 43Bet And ; 2.05; 3300;occ; 78; 0;43049
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17; 6857.1; 25-MAY-2010 13:38:31; Dark ; 43.5; 141; Bet Ara ; 2.84; 4600;occ; 87; 0;43050
18; 7026.0; 25-MAY-2010 13:41:20; Dark ; 51.0; 40; The Sco ; 1.86; 7100;occ; 102; 0;43050
19; 7136.2; 25-MAY-2010 13:43:10; Dark ; 49.5; 25; 35Lam Sco ; 1.62; 28000;occ; 99; 0;43050
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4; 2021.4; 25-MAY-2010 13:58:31; Bright; 39.0; 102; 24Alp Ser ; 2.60; 4250;occ; 78; 0;43050
5; 2368.8; 25-MAY-2010 14:04:19; Bright; 37.0; 83; ; 2.38; 11000;occ; 74; 0;43050
6; 3035.6; 25-MAY-2010 14:15:25; Bright; 39.0; 119; 14Eta Dra ; 2.73; 4700;occ; 78; 0;43050
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9; 4007.5; 25-MAY-2010 14:31:37; Bright; 55.0; 68; 18Alp Cas ; 2.22; 4500;occ; 110; 0;43050
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16; 6458.4; 25-MAY-2010 15:12:28; Dark ; 41.5; 45; Alp Pav ; 1.94; 26000;occ; 83; 0;43051
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 4; 1838.0; 25-MAY-2010 15:36:04; Bright; 43.0; 120; 1Del Oph ; 2.73; 3200;occ; 86; 0;43051
 5; 2021.4; 25-MAY-2010 15:39:07; Bright; 39.0; 102; 24Alp Ser ; 2.60; 4250;occ; 78; 0;43051
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 9; 2020.5; 25-MAY-2010 20:40:54; Bright; 39.5; 102; 24Alp Ser ; 2.60; 4250;occ; 79; 0;43054
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 12; 3170.1; 25-MAY-2010 21:00:04; Bright; 38.0; 60; 7Bet UMi ; 2.08; 3950;occ; 76; 0;43054
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18; 5868.5; 25-MAY-2010 20:04:26; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;43053
19; 6038.5; 25-MAY-2010 20:07:16; Dark ; 57.0; 63; Bet Gru ; 2.15; 2800;occ; 114; 0;43053
20; 6142.8; 25-MAY-2010 20:09:01; Dark ; 44.5; 31; Alp Gru ; 1.73; 15200;occ; 89; 0;43054
21; 6460.1; 25-MAY-2010 20:14:18; Dark ; 42.5; 45; Alp Pav ; 1.94; 26000;occ; 85; 0;43054
22; 6859.0; 25-MAY-2010 20:20:57; Dark ; 46.5; 141; Bet Ara ; 2.84; 4600;occ; 93; 0;43054

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4; 109.2; 26-MAY-2010 01:10:50; Dark ; 43.0; 31; Alp Gru ; 1.73; 15200;occ; 86; 0;43057
5; 426.4; 26-MAY-2010 01:16:08; Dark ; 41.5; 45; Alp Pav ; 1.94; 26000;occ; 83; 0;43057
6; 824.2; 26-MAY-2010 01:22:46; Dark ; 44.5; 141; Bet Ara ; 2.84; 4600;occ; 89; 0;43057
7; 993.8; 26-MAY-2010 01:25:35; Dark ; 48.5; 40; The Sco ; 1.86; 7100;occ; 97; 0;43057
8; 1103.7; 26-MAY-2010 01:27:25; Dark ; 49.0; 25; 35Lam Sco ; 1.62; 28000;occ; 98; 0;43057
9; 1221.6; 26-MAY-2010 01:29:23; Dark ; 49.5; 75; 26Eps Sco ; 2.29; 4250;occ; 99; 0;43057
10; 1349.8; 26-MAY-2010 01:31:31; Dark ; 44.5; 136; 23Tau Sco ; 2.82; 30000;occ; 89; 0;43057
11; 1530.1; 26-MAY-2010 01:34:31; Bright; 39.5; 97; 8Bet1Sco ; 2.56; 30000;occ; 79; 0;43057
12; 1737.4; 26-MAY-2010 01:37:59; Bright; 37.0; 104; 27Bet Lib ; 2.61; 13100;occ; 74; 0;43057
13; 1837.4; 26-MAY-2010 01:39:39; Bright; 43.0; 120; 1Del Oph ; 2.73; 3200;occ; 86; 0;43057
14; 2020.5; 26-MAY-2010 01:42:42; Bright; 39.0; 102; 24Alp Ser ; 2.60; 4250;occ; 78; 0;43057
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16; 3033.3; 26-MAY-2010 01:59:35; Bright; 40.0; 119; 14Eta Dra ; 2.73; 4700;occ; 80; 0;43057
17; 3169.6; 26-MAY-2010 02:01:51; Bright; 34.5; 60; 7Bet UMi ; 2.08; 3950;occ; 69; 0;43057
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21; 4538.9; 26-MAY-2010 02:24:40; Dark ; 47.5; 58; 21Alp And ; 2.07; 11000;occ; 95; 0;43057
22; 4812.8; 26-MAY-2010 02:29:14; Dark ; 44.5; 140; 88Gam Peg ; 2.83; 26000;occ; 89; 0;43057
23; 5344.0; 26-MAY-2010 02:38:05; Dark ; 44.0; 52; 16Bet Cet ; 2.04; 4500;occ; 88; 0;43057
24; 5870.7; 26-MAY-2010 02:46:52; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;43057
25; 6041.5; 26-MAY-2010 02:49:43; Dark ; 49.5; 63; Bet Gru ; 2.15; 2800;occ; 99; 0;43057
26; 6145.7; 26-MAY-2010 02:51:27; Dark ; 43.0; 31; Alp Gru ; 1.73; 15200;occ; 86; 0;43058
27; 6462.9; 26-MAY-2010 02:56:44; Dark ; 42.5; 45; Alp Pav ; 1.94; 26000;occ; 85; 0;43058
28; 6860.4; 26-MAY-2010 03:03:22; Dark ; 46.0; 141; Bet Ara ; 2.84; 4600;occ; 92; 0;43058
29; 7030.3; 26-MAY-2010 03:06:12; Dark ; 46.5; 40; The Sco ; 1.86; 7100;occ; 93; 0;43058
30; 7140.2; 26-MAY-2010 03:08:02; Dark ; 48.0; 25; 35Lam Sco ; 1.62; 28000;occ; 96; 0;43058
31; 7258.1; 26-MAY-2010 03:09:59; Dark ; 46.0; 75; 26Eps Sco ; 2.29; 4250;occ; 92; 0;43058
32; 7386.2; 26-MAY-2010 03:12:07; Dark ; 48.0; 136; 23Tau Sco ; 2.82; 30000;occ; 96; 0;43058
33; 7566.0; 26-MAY-2010 03:15:07; Bright; 40.5; 97; 8Bet1Sco ; 2.56; 30000;occ; 81; 0;43058
34; 7773.2; 26-MAY-2010 03:18:35; Bright; 37.5; 104; 27Bet Lib ; 2.61; 13100;occ; 75; 0;43058
35; 8056.2; 26-MAY-2010 03:23:17; Bright; 39.5; 102; 24Alp Ser ; 2.60; 4250;occ; 79; 0;43058
36; 8419.9; 26-MAY-2010 03:29:21; Bright; 41.0; 67; 5Alp CrB ; 2.22; 11000;occ; 82; 0;43058

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3; 1103.7; 26-MAY-2010 01:27:25; Dark ; 49.0; 25; 35Lam Sco ; 1.62; 28000;occ; 98; 0;43057
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7; 1737.4; 26-MAY-2010 01:37:59; Bright; 37.0; 104; 27Bet Lib ; 2.61; 13100;occ; 74; 0;43057
8; 1837.4; 26-MAY-2010 01:39:39; Bright; 43.0; 120; 1Del Oph ; 2.73; 3200;occ; 86; 0;43057
9; 2020.5; 26-MAY-2010 01:42:42; Bright; 39.0; 102; 24Alp Ser ; 2.60; 4250;occ; 78; 0;43057
10; 2384.3; 26-MAY-2010 01:48:46; Bright; 39.0; 67; 5Alp CrB ; 2.22; 11000;occ; 78; 0;43057
11; 3033.3; 26-MAY-2010 01:59:35; Bright; 40.0; 119; 14Eta Dra ; 2.73; 4700;occ; 80; 0;43057
12; 3169.6; 26-MAY-2010 02:01:51; Bright; 34.5; 60; 7Bet UMi ; 2.08; 3950;occ; 69; 0;43057
13; 3935.2; 26-MAY-2010 02:14:36; Bright; 54.0; 76; 27Gam Cas ; 2.30; 30000;occ; 108; 0;43057
14; 4006.7; 26-MAY-2010 02:15:48; Bright; 54.5; 68; 18Alp Cas ; 2.22; 4500;occ; 109; 0;43057

15; 4384.6; 26-MAY-2010 02:22:06; Bright; 39.5; 53; 43Bet And ; 2.05; 3300;occ; 79; 0;43057
 16; 4538.9; 26-MAY-2010 02:24:40; Dark ; 47.5; 58; 21Alp And ; 2.07; 11000;occ; 95; 0;43057
 17; 4812.8; 26-MAY-2010 02:29:14; Dark ; 44.5; 140; 88Gam Peg ; 2.83; 26000;occ; 89; 0;43057
 18; 5344.0; 26-MAY-2010 02:38:05; Dark ; 44.0; 52; 16Bet Cet ; 2.04; 4500;occ; 88; 0;43057
 19; 5870.7; 26-MAY-2010 02:46:52; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;43057
 20; 6041.5; 26-MAY-2010 02:49:43; Dark ; 49.5; 63; Bet Gru ; 2.15; 2800;occ; 99; 0;43057
 21; 6145.7; 26-MAY-2010 02:51:27; Dark ; 43.0; 31; Alp Gru ; 1.73; 15200;occ; 86; 0;43058
 22; 6462.9; 26-MAY-2010 02:56:44; Dark ; 42.5; 45; Alp Pav ; 1.94; 26000;occ; 85; 0;43058
 23; 6860.4; 26-MAY-2010 03:03:22; Dark ; 46.0; 141; Bet Ara ; 2.84; 4600;occ; 92; 0;43058
 24; 7030.3; 26-MAY-2010 03:06:12; Dark ; 46.5; 40; The Sco ; 1.86; 7100;occ; 93; 0;43058
 25; 7140.2; 26-MAY-2010 03:08:02; Dark ; 48.0; 25; 35Lam Sco ; 1.62; 28000;occ; 96; 0;43058
 26; 7258.1; 26-MAY-2010 03:09:59; Dark ; 46.0; 75; 26Eps Sco ; 2.29; 4250;occ; 92; 0;43058
 27; 7386.2; 26-MAY-2010 03:12:07; Dark ; 48.0; 136; 23Tau Sco ; 2.82; 30000;occ; 96; 0;43058
 28; 7566.0; 26-MAY-2010 03:15:07; Bright; 40.5; 97; 8Bet1Sco ; 2.56; 30000;occ; 81; 0;43058
 29; 7773.2; 26-MAY-2010 03:18:35; Bright; 37.5; 104; 27Bet Lib ; 2.61; 13100;occ; 75; 0;43058
 30; 8056.2; 26-MAY-2010 03:23:17; Bright; 39.5; 102; 24Alp Ser ; 2.60; 4250;occ; 79; 0;43058
 31; 8419.9; 26-MAY-2010 03:29:21; Bright; 11.5; 67; 5Alp CrB ; 2.22; 11000;occ; 23; 0;43058

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 2;-2866.3; 26-MAY-2010 03:42:27; Bright; 35.5; 60; 7Bet UMi ; 2.08; 3950;occ; 71; 0;43058
 3;-2100.6; 26-MAY-2010 03:55:13; Bright; 54.0; 76; 27Gam Cas ; 2.30; 30000;occ; 108; 0;43058
 4;-2029.2; 26-MAY-2010 03:56:24; Bright; 38.5; 68; 18Alp Cas ; 2.22; 4500;occ; 77; 0;43058
 5;-1651.2; 26-MAY-2010 04:02:42; Bright; 40.0; 53; 43Bet And ; 2.05; 3300;occ; 80; 0;43058
 6;-1497.0; 26-MAY-2010 04:05:16; Dark ; 52.5; 58; 21Alp And ; 2.07; 11000;occ; 105; 0;43058
 7;-1222.9; 26-MAY-2010 04:09:50; Dark ; 46.5; 140; 88Gam Peg ; 2.83; 26000;occ; 93; 0;43058
 8; -691.4; 26-MAY-2010 04:18:42; Dark ; 45.0; 52; 16Bet Cet ; 2.04; 4500;occ; 90; 0;43058
 9; -164.6; 26-MAY-2010 04:27:29; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;43058
 10; 6.5; 26-MAY-2010 04:30:20; Dark ; 55.5; 63; Bet Gru ; 2.15; 2800;occ; 111; 0;43058
 11; 111.0; 26-MAY-2010 04:32:04; Dark ; 43.0; 31; Alp Gru ; 1.73; 15200;occ; 86; 0;43059
 12; 427.8; 26-MAY-2010 04:37:21; Dark ; 42.0; 45; Alp Pav ; 1.94; 26000;occ; 84; 0;43059
 13; 825.3; 26-MAY-2010 04:43:59; Dark ; 45.0; 141; Bet Ara ; 2.84; 4600;occ; 90; 0;43059
 14; 994.9; 26-MAY-2010 04:46:48; Dark ; 49.5; 40; The Sco ; 1.86; 7100;occ; 99; 0;43059
 15; 1105.0; 26-MAY-2010 04:48:38; Dark ; 50.0; 25; 35Lam Sco ; 1.62; 28000;occ; 100; 0;43059
 16; 1222.4; 26-MAY-2010 04:50:36; Dark ; 47.5; 75; 26Eps Sco ; 2.29; 4250;occ; 95; 0;43059
 17; 1350.7; 26-MAY-2010 04:52:44; Dark ; 44.0; 136; 23Tau Sco ; 2.82; 30000;occ; 88; 0;43059
 18; 1530.4; 26-MAY-2010 04:55:44; Bright; 42.0; 97; 8Bet1Sco ; 2.56; 30000;occ; 84; 0;43059
 19; 1737.3; 26-MAY-2010 04:59:11; Bright; 39.0; 104; 27Bet Lib ; 2.61; 13100;occ; 78; 0;43059
 20; 2020.3; 26-MAY-2010 05:03:53; Bright; 39.0; 102; 24Alp Ser ; 2.60; 4250;occ; 78; 0;43059
 21; 2384.0; 26-MAY-2010 05:09:57; Bright; 39.5; 67; 5Alp CrB ; 2.22; 11000;occ; 79; 0;43059
 22; 3032.8; 26-MAY-2010 05:20:46; Bright; 42.0; 119; 14Eta Dra ; 2.73; 4700;occ; 84; 0;43059
 23; 3169.7; 26-MAY-2010 05:23:03; Bright; 38.5; 60; 7Bet UMi ; 2.08; 3950;occ; 77; 0;43059

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 2;-2029.2; 26-MAY-2010 05:37:00; Bright; 55.0; 68; 18Alp Cas ; 2.22; 4500;occ; 110; 0;43059
 3;-1651.1; 26-MAY-2010 05:43:18; Bright; 40.0; 53; 43Bet And ; 2.05; 3300;occ; 80; 0;43059
 4;-1496.7; 26-MAY-2010 05:45:52; Dark ; 51.5; 58; 21Alp And ; 2.07; 11000;occ; 103; 0;43059
 5;-1222.6; 26-MAY-2010 05:50:27; Dark ; 49.0; 140; 88Gam Peg ; 2.83; 26000;occ; 98; 0;43059
 6; -690.9; 26-MAY-2010 05:59:18; Dark ; 44.5; 52; 16Bet Cet ; 2.04; 4500;occ; 89; 0;43059
 7; -164.0; 26-MAY-2010 06:08:05; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;43059
 8; 7.2; 26-MAY-2010 06:10:56; Dark ; 46.5; 63; Bet Gru ; 2.15; 2800;occ; 93; 0;43059
 9; 111.4; 26-MAY-2010 06:12:41; Dark ; 46.5; 31; Alp Gru ; 1.73; 15200;occ; 93; 0;43060
 10; 428.5; 26-MAY-2010 06:17:58; Dark ; 42.5; 45; Alp Pav ; 1.94; 26000;occ; 85; 0;43060
 11; 825.5; 26-MAY-2010 06:24:35; Dark ; 44.0; 141; Bet Ara ; 2.84; 4600;occ; 88; 0;43060
 12; 995.3; 26-MAY-2010 06:27:25; Dark ; 47.5; 40; The Sco ; 1.86; 7100;occ; 95; 0;43060
 13; 1105.3; 26-MAY-2010 06:29:15; Dark ; 48.0; 25; 35Lam Sco ; 1.62; 28000;occ; 96; 0;43060
 14; 1222.5; 26-MAY-2010 06:31:12; Dark ; 46.5; 75; 26Eps Sco ; 2.29; 4250;occ; 93; 0;43060
 15; 1351.2; 26-MAY-2010 06:33:20; Dark ; 43.0; 136; 23Tau Sco ; 2.82; 30000;occ; 86; 0;43060
 16; 1530.5; 26-MAY-2010 06:36:20; Bright; 41.0; 97; 8Bet1Sco ; 2.56; 30000;occ; 82; 0;43060
 17; 1737.3; 26-MAY-2010 06:39:46; Bright; 9.0; 104; 27Bet Lib ; 2.61; 13100;occ; 18; 0;43060
 18; 2020.4; 26-MAY-2010 06:44:30; Bright; 38.5; 102; 24Alp Ser ; 2.60; 4250;occ; 77; 0;43060
 19; 2383.6; 26-MAY-2010 06:50:33; Bright; 57.0; 67; 5Alp CrB ; 2.22; 11000;occ; 114; 0;43060
 20; 3032.3; 26-MAY-2010 07:01:22; Bright; 41.0; 119; 14Eta Dra ; 2.73; 4700;occ; 82; 0;43060
 21; 3169.7; 26-MAY-2010 07:03:39; Bright; 37.0; 60; 7Bet UMi ; 2.08; 3950;occ; 74; 0;43060

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 3;-1651.0; 26-MAY-2010 07:23:54; Bright; 40.0; 53; 43Bet And ; 2.05; 3300;occ; 80; 0;43060
 4;-1496.7; 26-MAY-2010 07:26:28; Dark ; 48.0; 58; 21Alp And ; 2.07; 11000;occ; 96; 0;43060

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7; -163.4; 26-MAY-2010 07:48:42; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;43060
8; 7.9; 26-MAY-2010 07:51:33; Dark ; 58.0; 63; Bet Gru ; 2.15; 2800;occ; 116; 0;43060
9; 112.6; 26-MAY-2010 07:53:18; Dark ; 44.0; 31; Alp Gru ; 1.73; 15200;occ; 88; 0;43061
10; 429.3; 26-MAY-2010 07:58:34; Dark ; 43.0; 45; Alp Pav ; 1.94; 26000;occ; 86; 0;43061
11; 826.2; 26-MAY-2010 08:05:11; Dark ; 42.5; 141; Bet Ara ; 2.84; 4600;occ; 85; 0;43061
12; 995.7; 26-MAY-2010 08:08:01; Dark ; 47.5; 40; The Sco ; 1.86; 7100;occ; 95; 0;43061
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14; 1222.8; 26-MAY-2010 08:11:48; Dark ; 46.5; 75; 26Eps Sco ; 2.29; 4250;occ; 93; 0;43061
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3; 2383.4; 26-MAY-2010 08:31:08; Bright; 39.5; 67; 5Alp CrB ; 2.22; 11000;occ; 79; 0;43061
4; 3031.8; 26-MAY-2010 08:41:57; Bright; 40.5; 119; 14Eta Dra ; 2.73; 4700;occ; 81; 0;43061
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6; 3935.0; 26-MAY-2010 08:57:00; Bright; 54.0; 76; 27Gam Cas ; 2.30; 30000;occ; 108; 0;43061
7; 4006.9; 26-MAY-2010 08:58:12; Bright; 56.0; 68; 18Alp Cas ; 2.22; 4500;occ; 112; 0;43061
8; 4385.3; 26-MAY-2010 09:04:30; Bright; 39.5; 53; 43Bet And ; 2.05; 3300;occ; 79; 0;43061
9; 4539.4; 26-MAY-2010 09:07:05; Dark ; 51.0; 58; 21Alp And ; 2.07; 11000;occ; 102; 0;43061
10; 4814.2; 26-MAY-2010 09:11:39; Dark ; 47.5; 140; 88Gam Peg ; 2.83; 26000;occ; 95; 0;43061
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12; 5873.0; 26-MAY-2010 09:29:18; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;43061
13; 6044.6; 26-MAY-2010 09:32:10; Dark ; 47.5; 63; Bet Gru ; 2.15; 2800;occ; 95; 0;43061
14; 6149.5; 26-MAY-2010 09:33:55; Dark ; 49.0; 31; Alp Gru ; 1.73; 15200;occ; 98; 0;43062
15; 6465.7; 26-MAY-2010 09:39:11; Dark ; 43.5; 45; Alp Pav ; 1.94; 26000;occ; 87; 0;43062
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19; 7259.2; 26-MAY-2010 09:52:24; Dark ; 47.0; 75; 26Eps Sco ; 2.29; 4250;occ; 94; 0;43062
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6; 3935.0; 26-MAY-2010 10:37:36; Bright; 54.0; 76; 27Gam Cas ; 2.30; 30000;occ; 108; 0;43062
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19; 7259.5; 26-MAY-2010 11:33:01; Dark ; 48.5; 75; 26Eps Sco ; 2.29; 4250;occ; 97; 0;43063
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3; 2382.7; 26-MAY-2010 11:52:20; Bright; 38.5; 67; 5Alp CrB ; 2.22; 11000;occ; 77; 0;43063
4; 3031.1; 26-MAY-2010 12:03:08; Bright; 40.5; 119; 14Eta Dra ; 2.73; 4700;occ; 81; 0;43063
5; 3169.1; 26-MAY-2010 12:05:26; Bright; 53.0; 60; 7Bet UMi ; 2.08; 3950;occ; 106; 0;43063
6; 3935.0; 26-MAY-2010 12:18:12; Bright; 37.5; 76; 27Gam Cas ; 2.30; 30000;occ; 75; 0;43063
7; 4006.5; 26-MAY-2010 12:19:23; Bright; 39.0; 68; 18Alp Cas ; 2.22; 4500;occ; 78; 0;43063
8; 4385.7; 26-MAY-2010 12:25:43; Bright; 39.5; 53; 43Bet And ; 2.05; 3300;occ; 79; 0;43063
9; 4540.3; 26-MAY-2010 12:28:17; Dark ; 48.0; 58; 21Alp And ; 2.07; 11000;occ; 96; 0;43063
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 7; 3170.3; 26-MAY-2010 13:46:03; Bright; 34.0; 60; 7Bet UMi ; 2.08; 3950;occ; 68; 0;43064
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 9; 4007.3; 26-MAY-2010 14:00:00; Bright; 45.0; 68; 18Alp Cas ; 2.22; 4500;occ; 90; 0;43064
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 18; 6864.1; 26-MAY-2010 14:47:37; Dark ; 42.0; 141; Bet Ara ; 2.84; 4600;occ; 84; 0;43065
 19; 7034.5; 26-MAY-2010 14:50:27; Dark ; 48.5; 40; The Sco ; 1.86; 7100;occ; 97; 0;43065
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 9; 2019.2; 26-MAY-2010 20:09:16; Bright; 40.0; 102; 24Alp Ser ; 2.60; 4250;occ; 80; 0;43068
 10; 2381.7; 26-MAY-2010 20:15:18; Bright; 40.5; 67; 5Alp CrB ; 2.22; 11000;occ; 81; 0;43068
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 13; 3934.6; 26-MAY-2010 20:41:11; Bright; 38.0; 76; 27Gam Cas ; 2.30; 30000;occ; 76; 0;43068
 14; 4385.7; 26-MAY-2010 20:48:42; Bright; 40.5; 53; 43Bet And ; 2.05; 3300;occ; 81; 0;43068
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 5; 434.8; 26-MAY-2010 21:23:27; Dark ; 43.0; 45; Alp Pav ; 1.94; 26000;occ; 86; 0;43069
 6; 829.3; 26-MAY-2010 21:30:02; Dark ; 42.5; 141; Bet Ara ; 2.84; 4600;occ; 85; 0;43069
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 8; 1109.5; 26-MAY-2010 21:34:42; Dark ; 47.0; 25; 35Lam Sco ; 1.62; 28000;occ; 94; 0;43069
 9; 1225.4; 26-MAY-2010 21:36:38; Dark ; 47.5; 75; 26Eps Sco ; 2.29; 4250;occ; 95; 0;43069
 10; 1353.2; 26-MAY-2010 21:38:46; Dark ; 46.5; 136; 23Tau Sco ; 2.82; 30000;occ; 93; 0;43069
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 12; 1738.3; 26-MAY-2010 21:45:11; Bright; 37.0; 104; 27Bet Lib ; 2.61; 13100;occ; 74; 0;43069
 13; 1836.3; 26-MAY-2010 21:46:49; Bright; 42.5; 120; 1Del Oph ; 2.73; 3200;occ; 85; 0;43069
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 16; 3028.7; 26-MAY-2010 22:06:41; Bright; 41.5; 119; 14Eta Dra ; 2.73; 4700;occ; 83; 0;43069

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21; 4817.4; 26-MAY-2010 22:36:30; Dark ; 48.0; 140; 88Gam Peg ; 2.83; 26000;occ; 96; 0;43069
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 9; 1225.9; 26-MAY-2010 23:17:14; Dark ; 48.0; 75; 26Eps Sco ; 2.29; 4250;occ; 96; 0;43070
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15; 2381.3; 26-MAY-2010 23:36:30; Bright; 38.5; 67; 5Alp CrB ; 2.22; 11000;occ; 77; 0;43070
16; 3028.5; 26-MAY-2010 23:47:17; Bright; 41.5; 119; 14Eta Dra ; 2.73; 4700;occ; 83; 0;43070
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25;	7624.1;	30-MAY-2010	09:32:37;	Bright;	48.0;	86;	35Eta Oph	;	2.43;	10200;occ;	96;	0;43119
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