

GOMOS Daily Report 04-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	07MAY2010 04:50:03
Data source version	GOMOS/5.00L04
Start time of products	04MAY2010 00:00:24
Stop time of products	04MAY2010 23:51:42
Store outputs in DB	Yes
Nb of level 1b prods	120
Nb of prods with errors	1

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

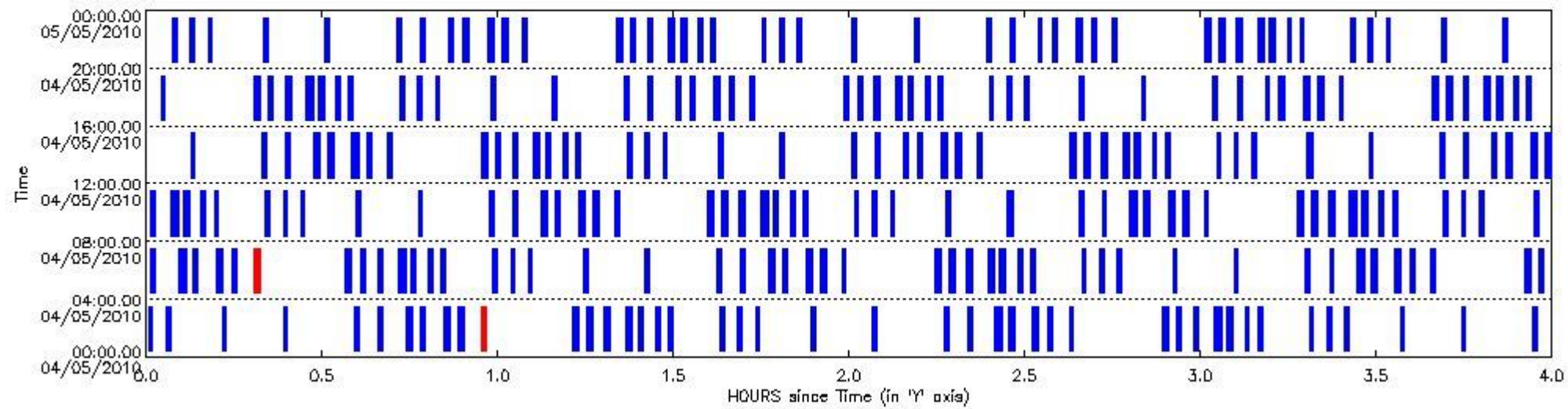
2.1 Level 0 products arrived in PCF (see template [here](#))

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
04-MAY-2010 00:57:05	GamGru	172	42741
04-MAY-2010 04:18:18	GamGru	172	42743

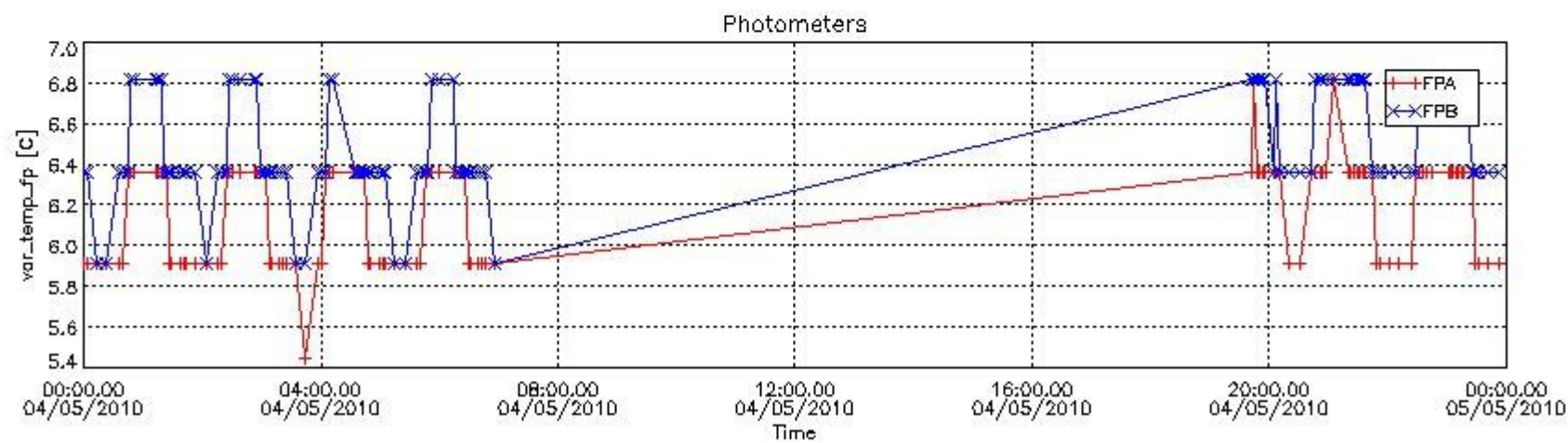
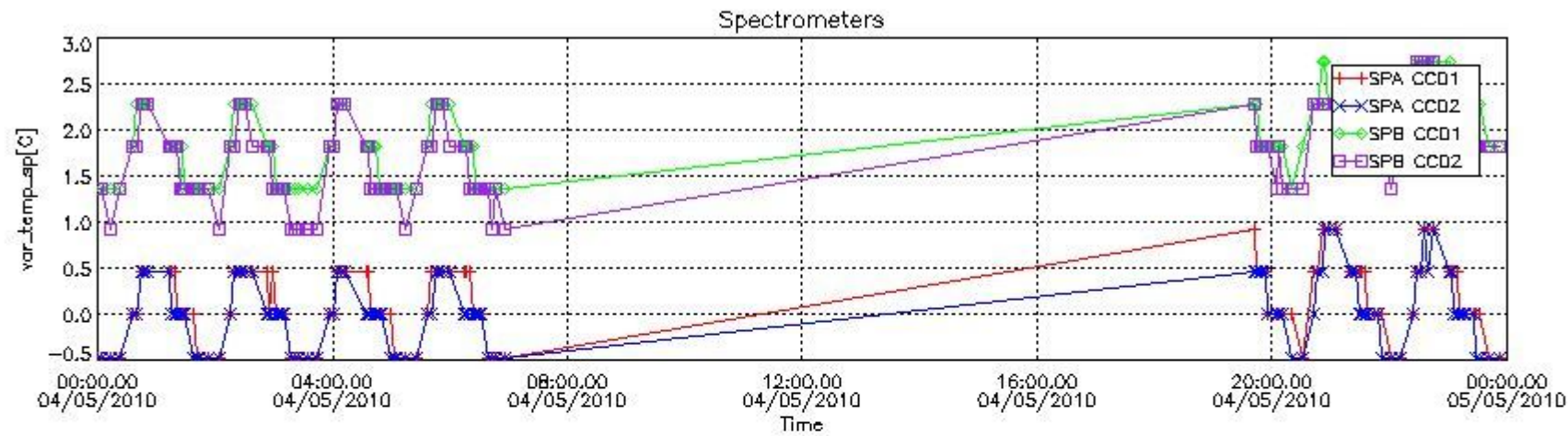
2.4 Summary of processed GOM_TRA_1P products

Nr	Filename	UTC Start time	Limb	Duration	Star Id	Star Name	Star Mag	Star Temp	Nb Meas	Orbit	Prod. error
1	GOM_TRA_1PNPDE20100504_000024_000000422089_00102_42741_8546.N1	04-MAY-2010 00:00:24	Bright	41.500	83		2.3780	11000.	83	42741	No
2	GOM_TRA_1PNPDE20100504_000327_000000412089_00102_42741_8547.N1	04-MAY-2010 00:03:27	Bright	41.000	180	27Gam Boo	3.0400	8000.0	82	42741	No
3	GOM_TRA_1PNPDE20100504_001254_000000432089_00102_42741_8548.N1	04-MAY-2010 00:12:54	Bright	43.000	119	14Eta Dra	2.7270	4700.0	86	42741	No
4	GOM_TRA_1PNPDE20100504_002324_000000442089_00102_42741_8549.N1	04-MAY-2010 00:23:24	Bright	44.000	89	5Alp Cep	2.4510	8000.0	88	42741	No
5	GOM_TRA_1PNPDE20100504_003532_000000522089_00102_42741_8550.N1	04-MAY-2010 00:35:32	Bright	52.000	93	53Bet Peg	2.5200	3100.0	104	42741	No
6	GOM_TRA_1PNPDE20100504_003935_000000482089_00102_42741_8551.N1	04-MAY-2010 00:39:35	Twilight	48.000	90	54Alp Peg	2.4870	11000.	96	42741	No
7	GOM_TRA_1PNPDE20100504_004416_000000702089_00102_42741_8552.N1	04-MAY-2010 00:44:16	Dark	70.000	61	8Eps Peg	2.1000	3900.0	140	42741	No
8	GOM_TRA_1PNPDE20100504_004640_000000562089_00102_42741_8553.N1	04-MAY-2010 00:46:40	Dark	55.500	162	34Alp Aqr	2.9440	5350.0	111	42741	No
9	GOM_TRA_1PNPDE20100504_005042_000000652089_00102_42741_8561.N1	04-MAY-2010 00:50:42	Dark	64.500	154	22Bet Aqr	2.8990	5700.0	129	42741	No

10	GOM_TRA_1PNPDE20100504_011246_000000692089_00103_42742_8562.N1	04-MAY-2010 01:12:46	Straylight	68.500	38	20Eps Sgr	1.8360	11000.	137	42742	No
11	GOM_TRA_1PNPDE20100504_011514_000000572089_00103_42742_8563.N1	04-MAY-2010 01:15:14	Straylight	57.000	25	35Lam Sco	1.6200	28000.	114	42742	No
12	GOM_TRA_1PNPDE20100504_011812_000000582089_00103_42742_8564.N1	04-MAY-2010 01:18:12	Straylight	57.500	75	26Eps Sco	2.2910	4250.0	115	42742	No
13	GOM_TRA_1PNPDE20100504_012149_000000662089_00103_42742_8565.N1	04-MAY-2010 01:21:49	Twi_and_stray	65.500	16	21Alp Sco	1.0200	3000.0	131	42742	No
14	GOM_TRA_1PNPDE20100504_012356_000000572089_00103_42742_8566.N1	04-MAY-2010 01:23:56	Twi_and_stray	56.500	80	7Del Sco	2.3160	30000.	113	42742	No
15	GOM_TRA_1PNPDE20100504_012658_000000432089_00103_42742_8567.N1	04-MAY-2010 01:26:58	Bright	42.500	122	9Alp2Lib	2.7470	9700.0	85	42742	No
16	GOM_TRA_1PNPDE20100504_012910_000000472089_00103_42742_8568.N1	04-MAY-2010 01:29:10	Bright	47.000	104	27Bet Lib	2.6140	13100.	94	42742	No
17	GOM_TRA_1PNPDE20100504_013758_000000412089_00103_42742_8569.N1	04-MAY-2010 01:37:58	Bright	41.000	3	16Alp Boo	-0.050000	4250.0	82	42742	No
18	GOM_TRA_1PNPDE20100504_014100_000000462089_00103_42742_8570.N1	04-MAY-2010 01:41:00	Bright	46.000	83		2.3780	11000.	92	42742	No
19	GOM_TRA_1PNPDE20100504_014402_000000392089_00103_42742_8571.N1	04-MAY-2010 01:44:02	Bright	39.000	180	27Gam Boo	3.0400	8000.0	78	42742	No
20	GOM_TRA_1PNPDE20100504_015329_000000442089_00103_42742_8572.N1	04-MAY-2010 01:53:29	Bright	44.000	119	14Eta Dra	2.7270	4700.0	88	42742	No
21	GOM_TRA_1PNPDE20100504_020359_000000442089_00103_42742_8573.N1	04-MAY-2010 02:03:59	Bright	44.000	89	5Alp Cep	2.4510	8000.0	88	42742	No
22	GOM_TRA_1PNPDE20100504_021608_000000562089_00103_42742_8574.N1	04-MAY-2010 02:16:08	Bright	56.000	93	53Bet Peg	2.5200	3100.0	112	42742	No
23	GOM_TRA_1PNPDE20100504_022012_000000472089_00103_42742_8575.N1	04-MAY-2010 02:20:12	Twilight	46.500	90	54Alp Peg	2.4870	11000.	93	42742	No
24	GOM_TRA_1PNPDE20100504_022453_000000702089_00103_42742_8584.N1	04-MAY-2010 02:24:53	Dark	70.000	61	8Eps Peg	2.1000	3900.0	140	42742	No
25	GOM_TRA_1PNPDE20100504_022717_000000582089_00103_42742_8585.N1	04-MAY-2010 02:27:17	Dark	58.000	162	34Alp Aqr	2.9440	5350.0	116	42742	No
26	GOM_TRA_1PNPDE20100504_023119_000000622089_00103_42742_8586.N1	04-MAY-2010 02:31:19	Dark	62.000	154	22Bet Aqr	2.8990	5700.0	124	42742	No
27	GOM_TRA_1PNPDE20100504_023733_000000432089_00103_42742_8587.N1	04-MAY-2010 02:37:33	Dark	43.000	172	Gam Gru	3.0030	13100.	86	42742	No
28	GOM_TRA_1PNPDE20100504_025323_000000652089_00104_42743_8588.N1	04-MAY-2010 02:53:23	Straylight	64.500	38	20Eps Sgr	1.8360	11000.	129	42743	No
29	GOM_TRA_1PNPDE20100504_025551_000000562089_00104_42743_8589.N1	04-MAY-2010 02:55:51	Straylight	55.500	25	35Lam Sco	1.6200	28000.	111	42743	No
30	GOM_TRA_1PNPDE20100504_025849_000000542089_00104_42743_8590.N1	04-MAY-2010 02:58:49	Straylight	53.500	75	26Eps Sco	2.2910	4250.0	107	42743	No
31	GOM_TRA_1PNPDE20100504_030225_000000672089_00104_42743_8591.N1	04-MAY-2010 03:02:25	Twi_and_stray	66.500	16	21Alp Sco	1.0200	3000.0	133	42743	No
32	GOM_TRA_1PNPDE20100504_030432_000000602089_00104_42743_8592.N1	04-MAY-2010 03:04:32	Twi_and_stray	59.500	80	7Del Sco	2.3160	30000.	119	42743	No
33	GOM_TRA_1PNPDE20100504_030735_000000442089_00104_42743_8593.N1	04-MAY-2010 03:07:35	Bright	44.000	122	9Alp2Lib	2.7470	9700.0	88	42743	No
34	GOM_TRA_1PNPDE20100504_030946_000000492089_00104_42743_8594.N1	04-MAY-2010 03:09:46	Bright	48.500	104	27Bet Lib	2.6140	13100.	97	42743	No
35	GOM_TRA_1PNPDE20100504_031834_000000412089_00104_42743_8595.N1	04-MAY-2010 03:18:34	Bright	40.500	3	16Alp Boo	-0.050000	4250.0	81	42743	No
36	GOM_TRA_1PNPDE20100504_032135_000000432089_00104_42743_8596.N1	04-MAY-2010 03:21:35	Bright	42.500	83		2.3780	11000.	85	42743	No
37	GOM_TRA_1PNPDE20100504_032438_000000402089_00104_42743_8597.N1	04-MAY-2010 03:24:38	Bright	40.000	180	27Gam Boo	3.0400	8000.0	80	42743	No
38	GOM_TRA_1PNPDE20100504_033405_000000442089_00104_42743_8598.N1	04-MAY-2010 03:34:05	Bright	43.500	119	14Eta Dra	2.7270	4700.0	87	42743	No
39	GOM_TRA_1PNPDE20100504_034435_000000412089_00104_42743_8605.N1	04-MAY-2010 03:44:35	Bright	41.000	89	5Alp Cep	2.4510	8000.0	82	42743	No
40	GOM_TRA_1PNPDE20100504_035644_000000532089_00104_42743_8606.N1	04-MAY-2010 03:56:44	Bright	53.000	93	53Bet Peg	2.5200	3100.0	106	42743	No
41	GOM_TRA_1PNPDE20100504_040048_000000462089_00104_42743_8607.N1	04-MAY-2010 04:00:48	Twilight	46.000	90	54Alp Peg	2.4870	11000.	92	42743	No
42	GOM_TRA_1PNPDE20100504_040530_000000752089_00104_42743_8608.N1	04-MAY-2010 04:05:30	Dark	74.500	61	8Eps Peg	2.1000	3900.0	149	42743	No
43	GOM_TRA_1PNPDE20100504_040754_000000572089_00104_42743_8609.N1	04-MAY-2010 04:07:54	Dark	57.000	162	34Alp Aqr	2.9440	5350.0	114	42743	No
44	GOM_TRA_1PNPDE20100504_041157_000000662089_00104_42743_8610.N1	04-MAY-2010 04:11:57	Dark	65.500	154	22Bet Aqr	2.8990	5700.0	131	42743	No
45	GOM_TRA_1PNPDE20100504_043400_000000632089_00105_42744_8611.N1	04-MAY-2010 04:34:00	Straylight	63.000	38	20Eps Sgr	1.8360	11000.	126	42744	No
46	GOM_TRA_1PNPDE20100504_043628_000000562089_00105_42744_8612.N1	04-MAY-2010 04:36:28	Straylight	56.000	25	35Lam Sco	1.6200	28000.	112	42744	No
47	GOM_TRA_1PNPDE20100504_043926_000000592089_00105_42744_8613.N1	04-MAY-2010 04:39:26	Straylight	59.000	75	26Eps Sco	2.2910	4250.0	118	42744	No
48	GOM_TRA_1PNPDE20100504_044302_000000762089_00105_42744_8614.N1	04-MAY-2010 04:43:02	Twi_and_stray	76.000	16	21Alp Sco	1.0200	3000.0	152	42744	No
49	GOM_TRA_1PNPDE20100504_044509_000000572089_00105_42744_8615.N1	04-MAY-2010 04:45:09	Twi_and_stray	57.000	80	7Del Sco	2.3160	30000.	114	42744	No
50	GOM_TRA_1PNPDE20100504_044811_000000462089_00105_42744_8616.N1	04-MAY-2010 04:48:11	Bright	46.000	122	9Alp2Lib	2.7470	9700.0	92	42744	No
51	GOM_TRA_1PNPDE20100504_045022_000000472089_00105_42744_8617.N1	04-MAY-2010 04:50:22	Bright	46.500	104	27Bet Lib	2.6140	13100.	93	42744	No
52	GOM_TRA_1PNPDE20100504_045910_000000402089_00105_42744_8618.N1	04-MAY-2010 04:59:10	Bright	39.500	3	16Alp Boo	-0.050000	4250.0	79	42744	No
53	GOM_TRA_1PNPDE20100504_050211_000000462089_00105_42744_8619.N1	04-MAY-2010 05:02:11	Bright	46.000	83		2.3780	11000.	92	42744	No
54	GOM_TRA_1PNPDE20100504_050514_000000422089_00105_42744_8620.N1	04-MAY-2010 05:05:14	Bright	41.500	180	27Gam Boo	3.0400	8000.0	83	42744	No
55	GOM_TRA_1PNPDE20100504_051440_000000442089_00105_42744_8621.N1	04-MAY-2010 05:14:40	Bright	44.000	119	14Eta Dra	2.7270	4700.0	88	42744	No
56	GOM_TRA_1PNPDE20100504_052511_000000442089_00105_42744_8633.N1	04-MAY-2010 05:25:11	Bright	44.000	89	5Alp Cep	2.4510	8000.0	88	42744	No
57	GOM_TRA_1PNPDE20100504_053720_000000512089_00105_42744_8634.N1	04-MAY-2010 05:37:20	Bright	50.500	93	53Bet Peg	2.5200	3100.0	101	42744	No
58	GOM_TRA_1PNPDE20100504_054124_000000492089_00105_42744_8635.N1	04-MAY-2010 05:41:24	Twilight	48.500	90	54Alp Peg	2.4870	11000.	97	42744	No
59	GOM_TRA_1PNPDE20100504_054607_000000722089_00105_42744_8636.N1	04-MAY-2010 05:46:07	Dark	72.000	61	8Eps Peg	2.1000	3900.0	144	42744	No
60	GOM_TRA_1PNPDE20100504_054831_000000582089_00105_42744_8637.N1	04-MAY-2010 05:48:31	Dark	58.000	162	34Alp Aqr	2.9440	5350.0	116	42744	No
61	GOM_TRA_1PNPDE20100504_055234_000000662089_00105_42744_8638.N1	04-MAY-2010 05:52:34	Dark	66.000	154	22Bet Aqr	2.8990	5700.0	132	42744	No
62	GOM_TRA_1PNPDE20100504_055846_000000422089_00105_42744_8639.N1	04-MAY-2010 05:58:46	Dark	42.000	172	Gam Gru	3.0030	13100.	84	42744	No
63	GOM_TRA_1PNPDE20100504_061438_000000642089_00106_42745_8640.N1	04-MAY-2010 06:14:38	Straylight	63.500	38	20Eps Sgr	1.8360	11000.	127	42745	No
64	GOM_TRA_1PNPDE20100504_061705_000000612089_00106_42745_8641.N1	04-MAY-2010 06:17:05	Straylight	60.500	25	35Lam Sco	1.6200	28000.	121	42745	No
65	GOM_TRA_1PNPDE20100504_062002_000000592089_00106_42745_8642.N1	04-MAY-2010 06:20:02	Straylight	58.500	75	26Eps Sco	2.2910	4250.0	117	42745	No
66	GOM_TRA_1PNPDE20100504_062338_000000642089_00106_42745_8643.N1	04-MAY-2010 06:23:38	Twi_and_stray	64.000	16	21Alp Sco	1.0200	3000.0	128	42745	No
67	GOM_TRA_1PNPDE20100504_062545_000000572089_00106_42745_8644.N1	04-MAY-2010 06:25:45	Twi_and_stray	57.000	80	7Del Sco	2.3160	30000.	114	42745	No
68	GOM_TRA_1PNPDE20100504_062847_000000442089_00106_42745_8645.N1	04-MAY-2010 06:28:47	Bright	44.000	122	9Alp2Lib	2.7470	9700.0	88	42745	No

69	GOM_TRA_1PNPDE20100504_063058_000000472089_00106_42745_8646.N1	04-MAY-2010 06:30:58	Bright	47.000	104	27Bet Lib	2.6140	13100.	94	42745	No
70	GOM_TRA_1PNPDE20100504_063945_000000422089_00106_42745_8647.N1	04-MAY-2010 06:39:45	Bright	41.500	3	16Alp Boo	-0.050000	4250.0	83	42745	No
71	GOM_TRA_1PNPDE20100504_064246_000000432089_00106_42745_8648.N1	04-MAY-2010 06:42:46	Bright	42.500	83		2.3780	11000.	85	42745	No
72	GOM_TRA_1PNPDE20100504_064549_000000412089_00106_42745_8649.N1	04-MAY-2010 06:45:49	Bright	41.000	180	27Gam Boo	3.0400	8000.0	82	42745	No
73	GOM_TRA_1PNPDE20100504_065515_000000432089_00106_42745_8650.N1	04-MAY-2010 06:55:15	Bright	42.500	119	14Eta Dra	2.7270	4700.0	85	42745	No
74	GOM_TRA_1PNPDE20100504_194200_000000622089_00114_42753_8821.N1	04-MAY-2010 19:42:00	Straylight	61.500	25	35Lam Sco	1.6200	28000.	123	42753	Yes
75	GOM_TRA_1PNPDE20100504_194455_000000552089_00114_42753_8822.N1	04-MAY-2010 19:44:55	Straylight	55.000	75	26Eps Sco	2.2910	4250.0	110	42753	No
76	GOM_TRA_1PNPDE20100504_194829_000000652089_00114_42753_8823.N1	04-MAY-2010 19:48:29	Twilight	64.500	16	21Alp Sco	1.0200	3000.0	129	42753	No
77	GOM_TRA_1PNPDE20100504_195035_000000602089_00114_42753_8824.N1	04-MAY-2010 19:50:35	Twilight	59.500	80	7Del Sco	2.3160	30000.	119	42753	No
78	GOM_TRA_1PNPDE20100504_195335_000000422089_00114_42753_8825.N1	04-MAY-2010 19:53:35	Bright	41.500	122	9Alp2Lib	2.7470	9700.0	83	42753	No
79	GOM_TRA_1PNPDE20100504_195545_000000462089_00114_42753_8826.N1	04-MAY-2010 19:55:45	Bright	46.000	104	27Bet Lib	2.6140	13100.	92	42753	No
80	GOM_TRA_1PNPDE20100504_200431_000000412089_00114_42753_8827.N1	04-MAY-2010 20:04:31	Bright	40.500	3	16Alp Boo	-0.050000	4250.0	81	42753	No
81	GOM_TRA_1PNPDE20100504_200730_000000452089_00114_42753_8828.N1	04-MAY-2010 20:07:30	Bright	45.000	83		2.3780	11000.	90	42753	No
82	GOM_TRA_1PNPDE20100504_201034_000000412089_00114_42753_8829.N1	04-MAY-2010 20:10:34	Bright	41.000	180	27Gam Boo	3.0400	8000.0	82	42753	No
83	GOM_TRA_1PNPDE20100504_201958_000000442089_00114_42753_8830.N1	04-MAY-2010 20:19:58	Bright	43.500	119	14Eta Dra	2.7270	4700.0	87	42753	No
84	GOM_TRA_1PNPDE20100504_203031_000000422089_00114_42753_8831.N1	04-MAY-2010 20:30:31	Bright	42.000	89	5Alp Cep	2.4510	8000.0	84	42753	No
85	GOM_TRA_1PNPDE20100504_204245_000000542089_00114_42753_8832.N1	04-MAY-2010 20:42:45	Twilight	53.500	93	53Bet Peg	2.5200	3100.0	107	42753	No
86	GOM_TRA_1PNPDE20100504_204651_000000482089_00114_42753_8833.N1	04-MAY-2010 20:46:51	Twilight	47.500	90	54Alp Peg	2.4870	11000.	95	42753	No
87	GOM_TRA_1PNPDE20100504_205139_000000422089_00114_42753_8839.N1	04-MAY-2010 20:51:39	Dark	42.000	61	8Eps Peg	2.1000	3900.0	84	42753	No
88	GOM_TRA_1PNPDE20100504_205402_000000562089_00114_42753_8840.N1	04-MAY-2010 20:54:02	Dark	56.000	162	34Alp Aqr	2.9440	5350.0	112	42753	No
89	GOM_TRA_1PNPDE20100504_205811_000000642089_00114_42753_8841.N1	04-MAY-2010 20:58:11	Dark	63.500	154	22Bet Aqr	2.8990	5700.0	127	42753	No
90	GOM_TRA_1PNPDE20100504_210417_000000442089_00114_42753_8842.N1	04-MAY-2010 21:04:17	Dark	44.000	172	Gam Gru	3.0030	13100.	88	42753	No
91	GOM_TRA_1PNPDE20100504_212012_000000642089_00115_42754_8843.N1	04-MAY-2010 21:20:12	Straylight	64.000	38	20Eps Sgr	1.8360	11000.	128	42754	No
92	GOM_TRA_1PNPDE20100504_212236_000000572089_00115_42754_8844.N1	04-MAY-2010 21:22:36	Straylight	56.500	25	35Lam Sco	1.6200	28000.	113	42754	No
93	GOM_TRA_1PNPDE20100504_212532_000000602089_00115_42754_8845.N1	04-MAY-2010 21:25:32	Straylight	59.500	75	26Eps Sco	2.2910	4250.0	119	42754	No
94	GOM_TRA_1PNPDE20100504_212906_000000662089_00115_42754_8846.N1	04-MAY-2010 21:29:06	Twilight	66.000	16	21Alp Sco	1.0200	3000.0	132	42754	No
95	GOM_TRA_1PNPDE20100504_213111_000000612089_00115_42754_8847.N1	04-MAY-2010 21:31:11	Twilight	61.000	80	7Del Sco	2.3160	30000.	122	42754	No
96	GOM_TRA_1PNPDE20100504_213411_000000422089_00115_42754_8848.N1	04-MAY-2010 21:34:11	Bright	42.000	122	9Alp2Lib	2.7470	9700.0	84	42754	No
97	GOM_TRA_1PNPDE20100504_213621_000000472089_00115_42754_8849.N1	04-MAY-2010 21:36:21	Bright	46.500	104	27Bet Lib	2.6140	13100.	93	42754	No
98	GOM_TRA_1PNPDE20100504_214507_000000392089_00115_42754_8850.N1	04-MAY-2010 21:45:07	Bright	39.000	3	16Alp Boo	-0.050000	4250.0	78	42754	No
99	GOM_TRA_1PNPDE20100504_214806_000000442089_00115_42754_8851.N1	04-MAY-2010 21:48:06	Bright	43.500	83		2.3780	11000.	87	42754	No
100	GOM_TRA_1PNPDE20100504_215109_000000392089_00115_42754_8852.N1	04-MAY-2010 21:51:09	Bright	39.000	180	27Gam Boo	3.0400	8000.0	78	42754	No
101	GOM_TRA_1PNPDE20100504_220033_000000442089_00115_42754_8853.N1	04-MAY-2010 22:00:33	Bright	43.500	119	14Eta Dra	2.7270	4700.0	87	42754	No
102	GOM_TRA_1PNPDE20100504_221107_000000502089_00115_42754_8854.N1	04-MAY-2010 22:11:07	Bright	49.500	89	5Alp Cep	2.4510	8000.0	99	42754	No
103	GOM_TRA_1PNPDE20100504_222321_000000542089_00115_42754_8855.N1	04-MAY-2010 22:23:21	Twilight	54.000	93	53Bet Peg	2.5200	3100.0	108	42754	No
104	GOM_TRA_1PNPDE20100504_222727_000000482089_00115_42754_8856.N1	04-MAY-2010 22:27:27	Dark	48.000	90	54Alp Peg	2.4870	11000.	96	42754	No
105	GOM_TRA_1PNPDE20100504_223216_000000342089_00115_42754_8857.N1	04-MAY-2010 22:32:16	Dark	34.000	61	8Eps Peg	2.1000	3900.0	68	42754	No
106	GOM_TRA_1PNPDE20100504_223440_000000592089_00115_42754_8858.N1	04-MAY-2010 22:34:40	Dark	58.500	162	34Alp Aqr	2.9440	5350.0	117	42754	No
107	GOM_TRA_1PNPDE20100504_223848_000000642089_00115_42754_8863.N1	04-MAY-2010 22:38:48	Dark	63.500	154	22Bet Aqr	2.8990	5700.0	127	42754	No
108	GOM_TRA_1PNPDE20100504_224454_000000432089_00115_42754_8864.N1	04-MAY-2010 22:44:54	Dark	43.000	172	Gam Gru	3.0030	13100.	86	42754	No
109	GOM_TRA_1PNPDE20100504_230049_000000642089_00116_42755_8865.N1	04-MAY-2010 23:00:49	Straylight	64.000	38	20Eps Sgr	1.8360	11000.	128	42755	No
110	GOM_TRA_1PNPDE20100504_230313_000000632089_00116_42755_8866.N1	04-MAY-2010 23:03:13	Straylight	63.000	25	35Lam Sco	1.6200	28000.	126	42755	No
111	GOM_TRA_1PNPDE20100504_230608_000000602089_00116_42755_8867.N1	04-MAY-2010 23:06:08	Straylight	60.000	75	26Eps Sco	2.2910	4250.0	120	42755	No
112	GOM_TRA_1PNPDE20100504_230942_000000762089_00116_42755_8868.N1	04-MAY-2010 23:09:42	Twilight	76.000	16	21Alp Sco	1.0200	3000.0	152	42755	No
113	GOM_TRA_1PNPDE20100504_231147_000000592089_00116_42755_8869.N1	04-MAY-2010 23:11:47	Twilight	59.000	80	7Del Sco	2.3160	30000.	118	42755	No
114	GOM_TRA_1PNPDE20100504_231447_000000442089_00116_42755_8870.N1	04-MAY-2010 23:14:47	Bright	43.500	122	9Alp2Lib	2.7470	9700.0	87	42755	No
115	GOM_TRA_1PNPDE20100504_231657_000000462089_00116_42755_8871.N1	04-MAY-2010 23:16:57	Bright	46.000	104	27Bet Lib	2.6140	13100.	92	42755	No
116	GOM_TRA_1PNPDE20100504_232542_000000422089_00116_42755_8872.N1	04-MAY-2010 23:25:42	Bright	41.500	3	16Alp Boo	-0.050000	4250.0	83	42755	No
117	GOM_TRA_1PNPDE20100504_232841_000000442089_00116_42755_8873.N1	04-MAY-2010 23:28:41	Bright	44.000	83		2.3780	11000.	88	42755	No
118	GOM_TRA_1PNPDE20100504_233144_000000412089_00116_42755_8874.N1	04-MAY-2010 23:31:44	Bright	41.000	180	27Gam Boo	3.0400	8000.0	82	42755	No
119	GOM_TRA_1PNPDE20100504_234109_000000422089_00116_42755_8875.N1	04-MAY-2010 23:41:09	Bright	42.000	119	14Eta Dra	2.7270	4700.0	84	42755	No
120	GOM_TRA_1PNPDE20100504_235142_000000442089_00116_42755_8876.N1	04-MAY-2010 23:51:42	Bright	43.500	89	5Alp Cep	2.4510	8000.0	87	42755	No

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



4. Overview of dark signal processing per product

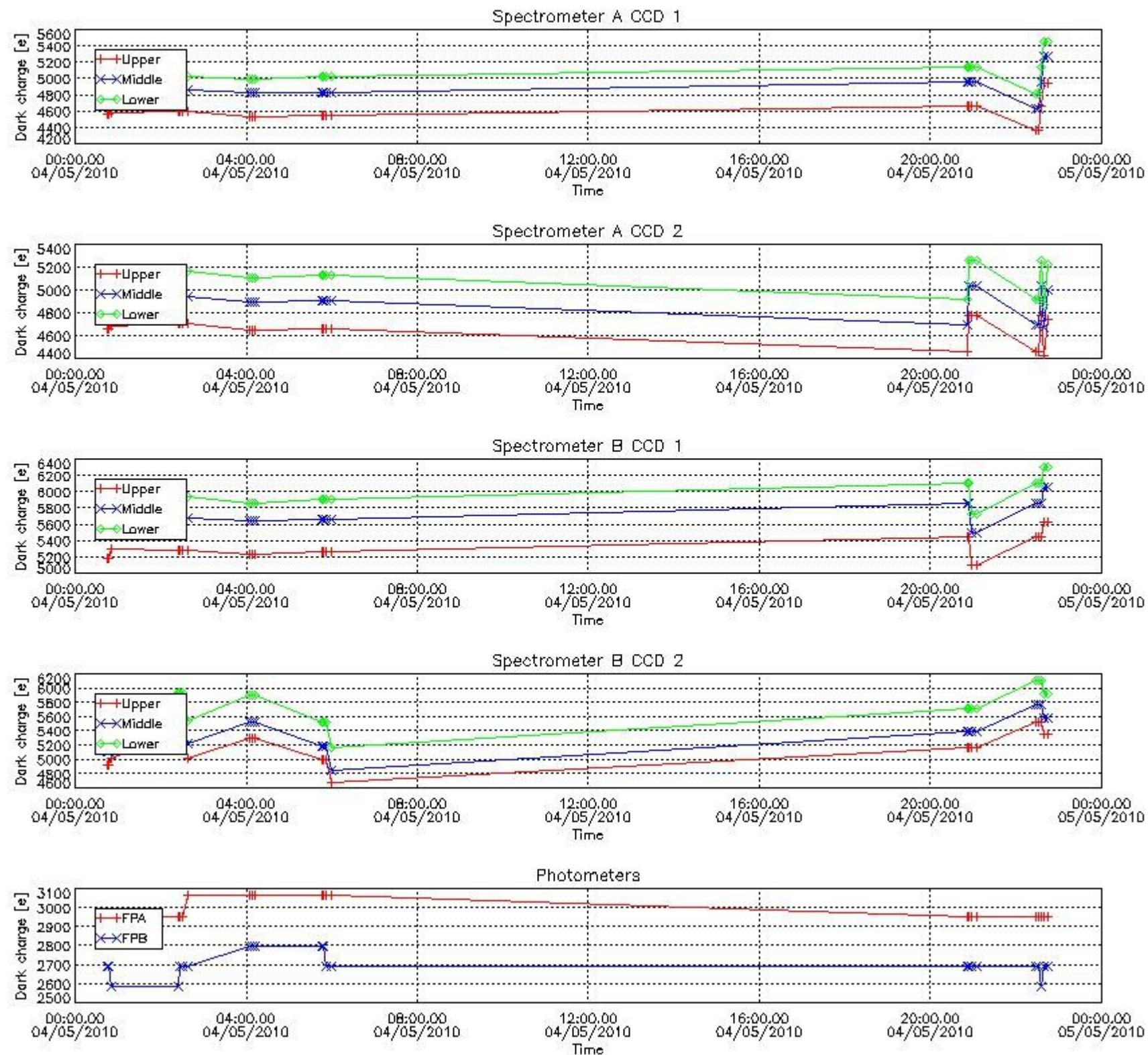
The Dark Charge (DC) is a temperature-dependant signal added to the useful measurements and it is therefore subtracted from them during the processing. There are two phenomena that produce a continuous increase of the DC: the "hot pixels" (a pixel is "hot" when its DC exceeds by a significant amount 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_1PNPDE20100504_194200_000000622089_00114_42753_8821.N1	DC map with no T dep.
GOM_TRA_1PNPDE20100504_194455_000000552089_00114_42753_8822.N1	DC map used
GOM_TRA_1PNPDE20100504_194829_000000652089_00114_42753_8823.N1	DC map used
GOM_TRA_1PNPDE20100504_195035_000000602089_00114_42753_8824.N1	DC map used
GOM_TRA_1PNPDE20100504_195335_000000422089_00114_42753_8825.N1	DC map used
GOM_TRA_1PNPDE20100504_195545_000000462089_00114_42753_8826.N1	DC map used
GOM_TRA_1PNPDE20100504_200431_000000412089_00114_42753_8827.N1	DC map used
GOM_TRA_1PNPDE20100504_200730_000000452089_00114_42753_8828.N1	DC map used
GOM_TRA_1PNPDE20100504_201034_000000412089_00114_42753_8829.N1	DC map used
GOM_TRA_1PNPDE20100504_201958_000000442089_00114_42753_8830.N1	DC map used
GOM_TRA_1PNPDE20100504_203031_000000422089_00114_42753_8831.N1	DC map used
GOM_TRA_1PNPDE20100504_204245_000000542089_00114_42753_8832.N1	DC map used
GOM_TRA_1PNPDE20100504_204651_000000482089_00114_42753_8833.N1	DC map used

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



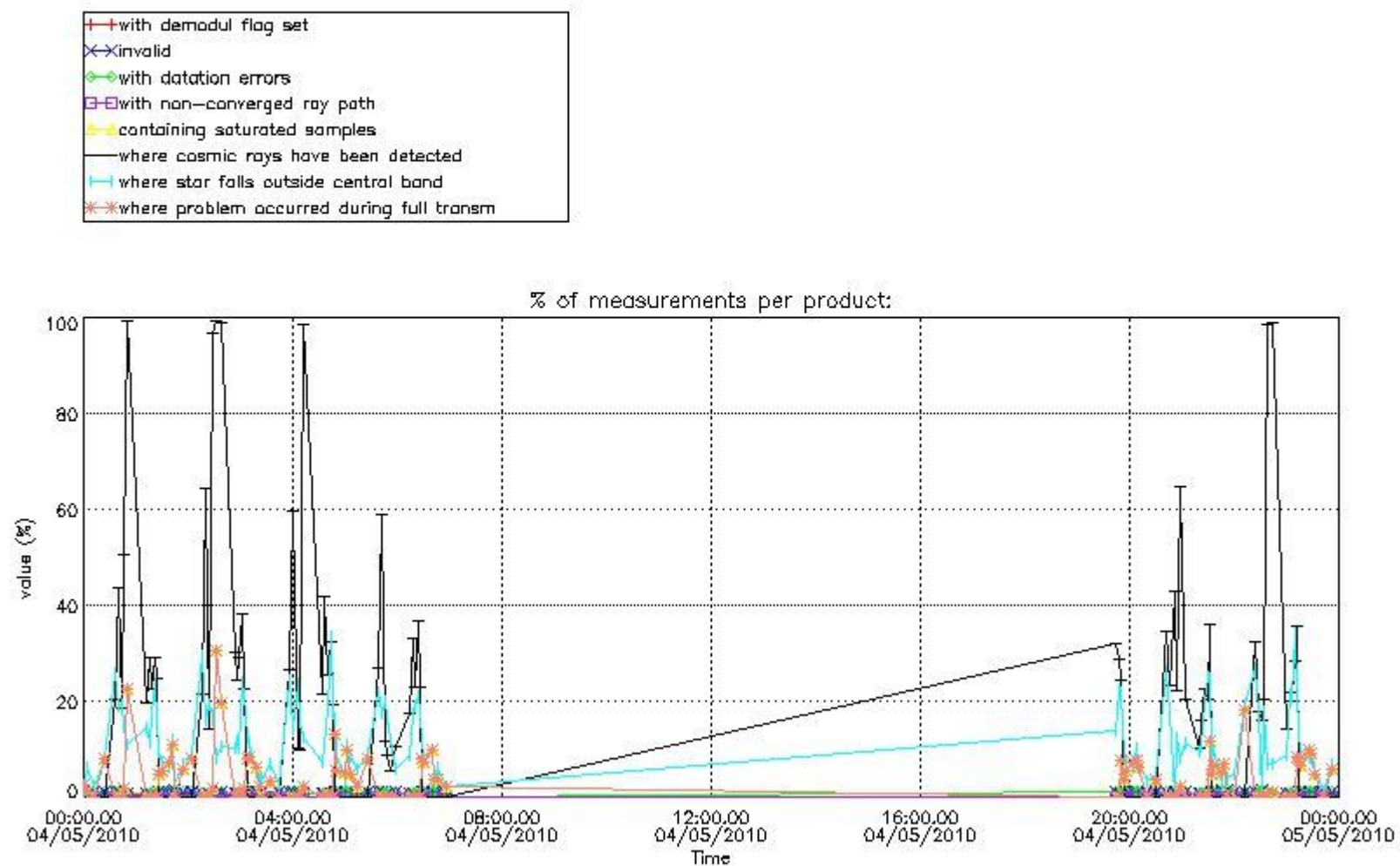
5. Demodulation flag and quality information monitoring

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.

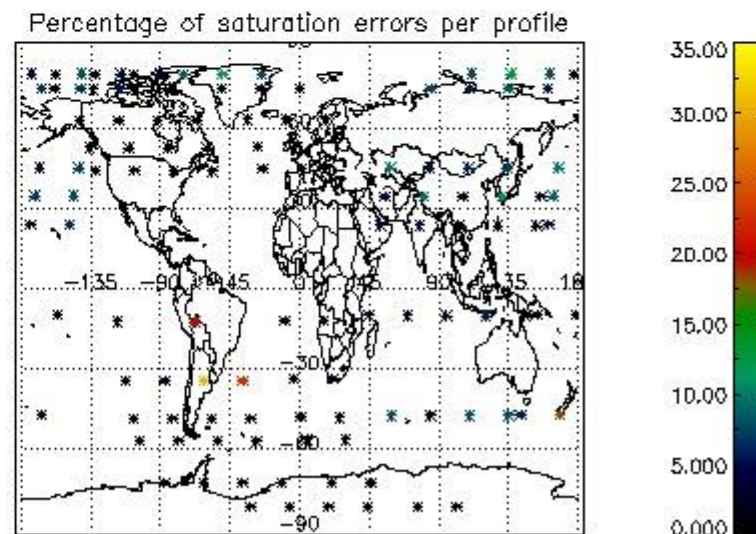
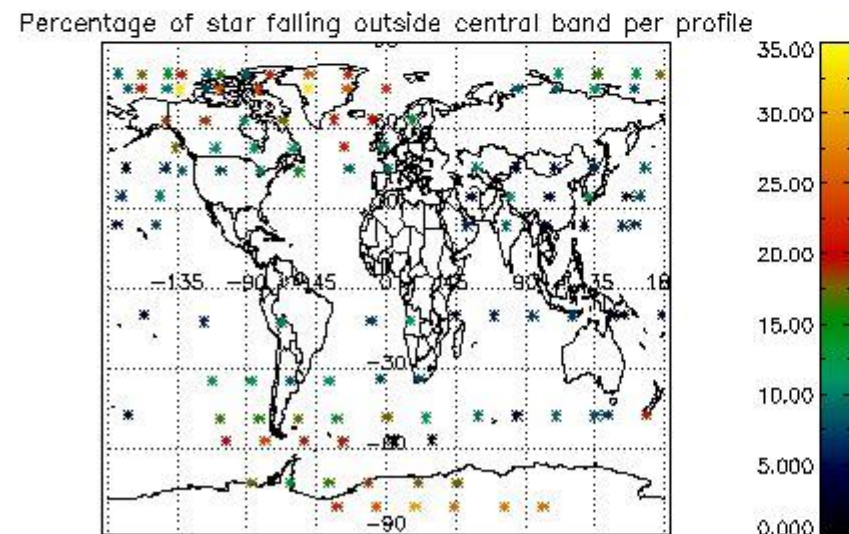
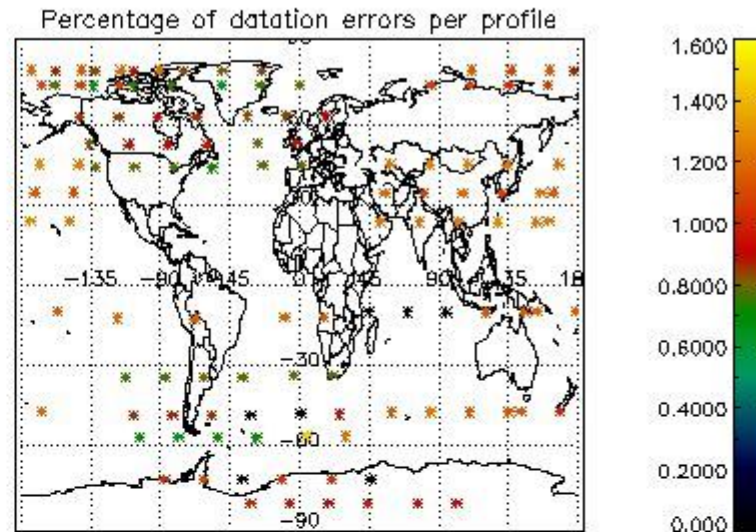
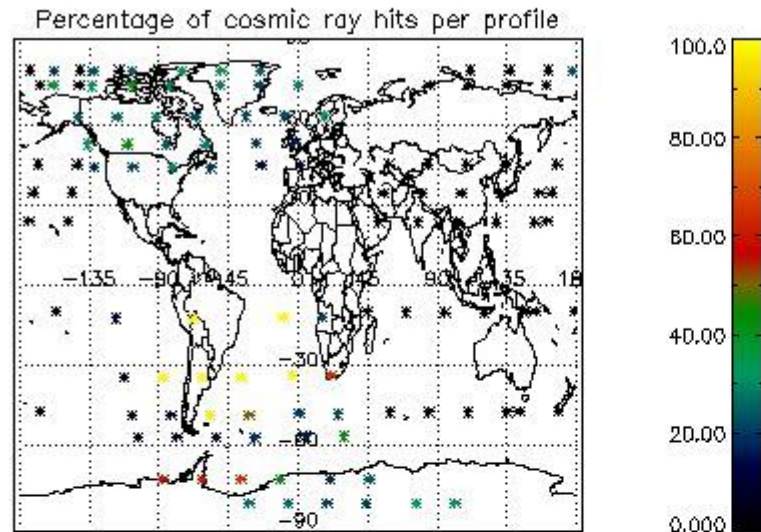
5.1 Percentage of products during reporting period with:

At least one measurement with demodulation flag set:	50.4202 %
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)



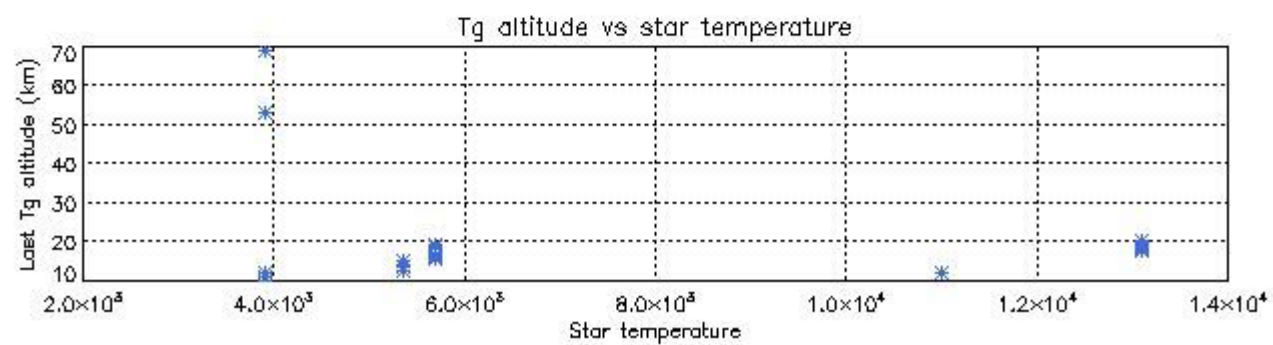
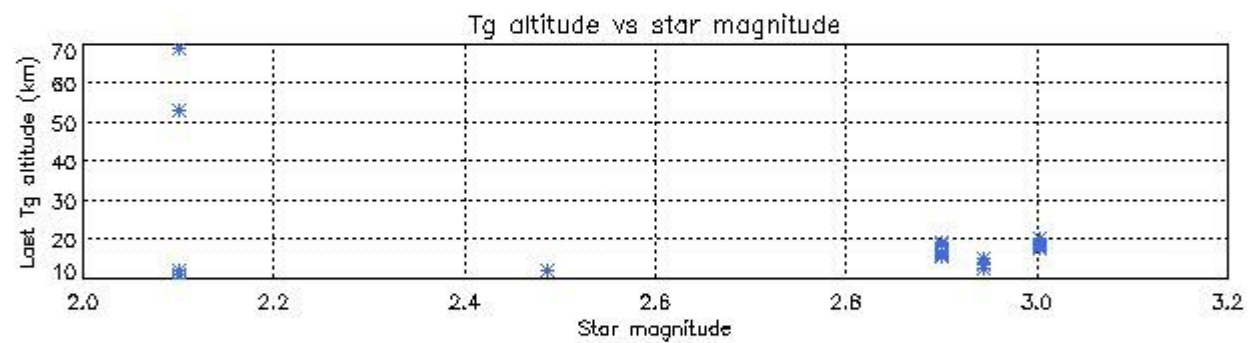
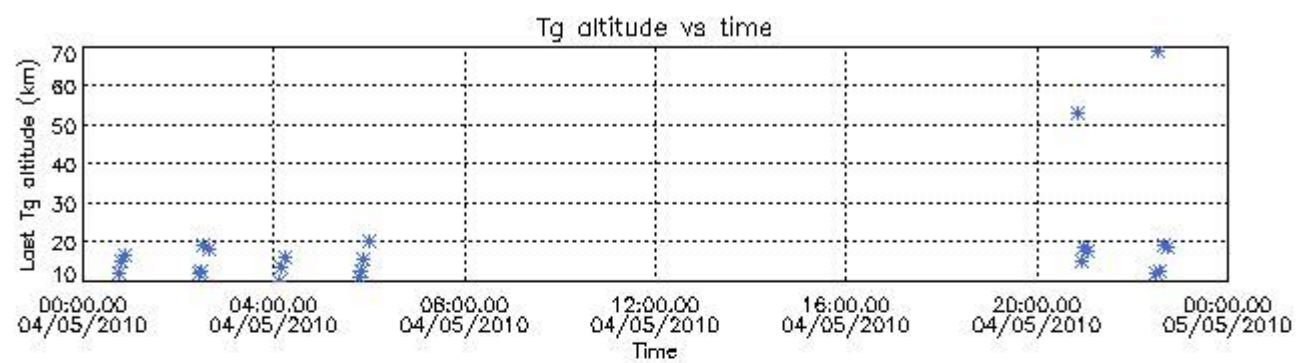
6. Statistics and plot of tangent altitude of the last measurement (DARK & BRIGHT products without errors)

6.1 Statistics on tangent altitude lost:

Statistics	DARK	BRIGHT	TWILIGHT
Mean:	19.206	19.294	12.694
St. deviation:	13.719	3.8834	0.96086
Maximum:	68.779	24.826	14.149
Minimum:	10.213	6.7802	11.456
Number of data:	23.000	56.000	5.0000

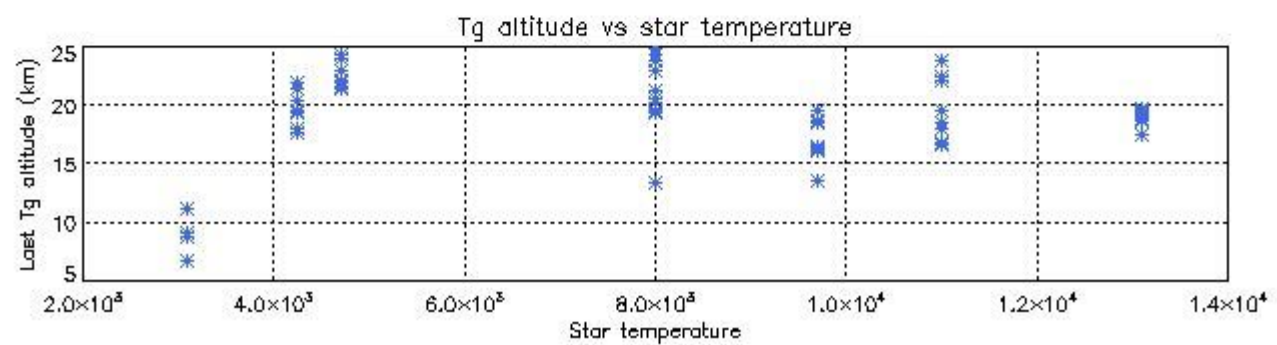
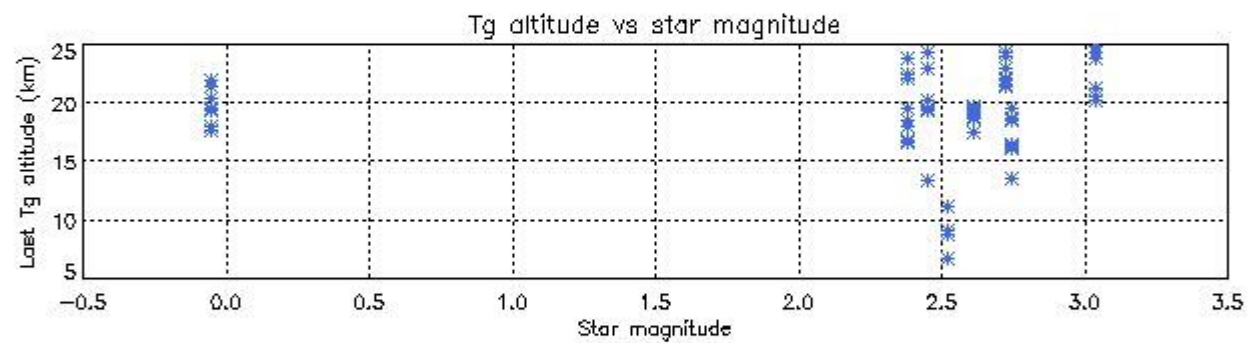
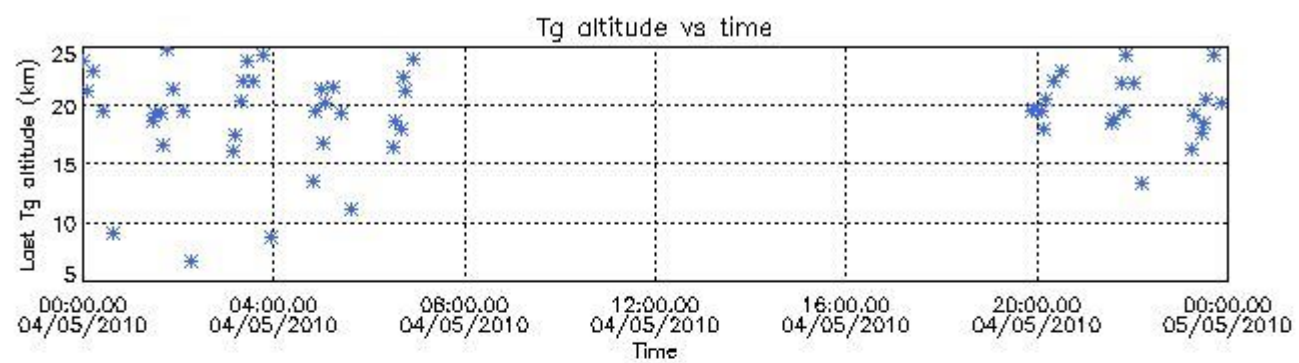
6.2 Plot for DARK limb products

Tangent altitude at which the star is lost



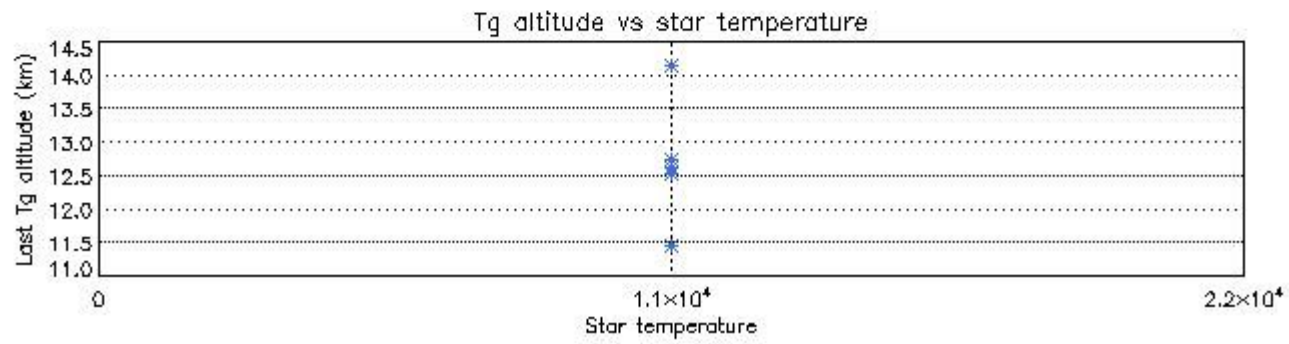
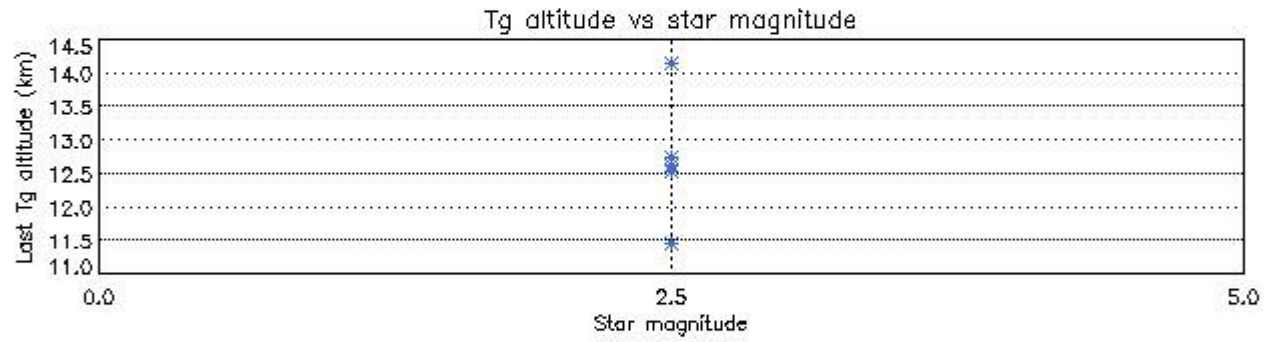
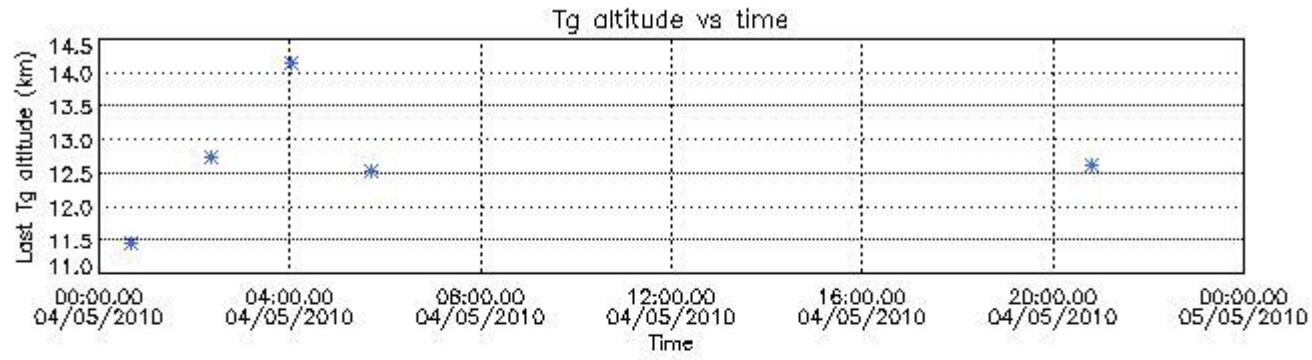
6.3 Plot for BRIGHT limb products

Tangent altitude at which the star is lost



6.3 Plot for TWILIGHT limb products

Tangent altitude at which the star is lost

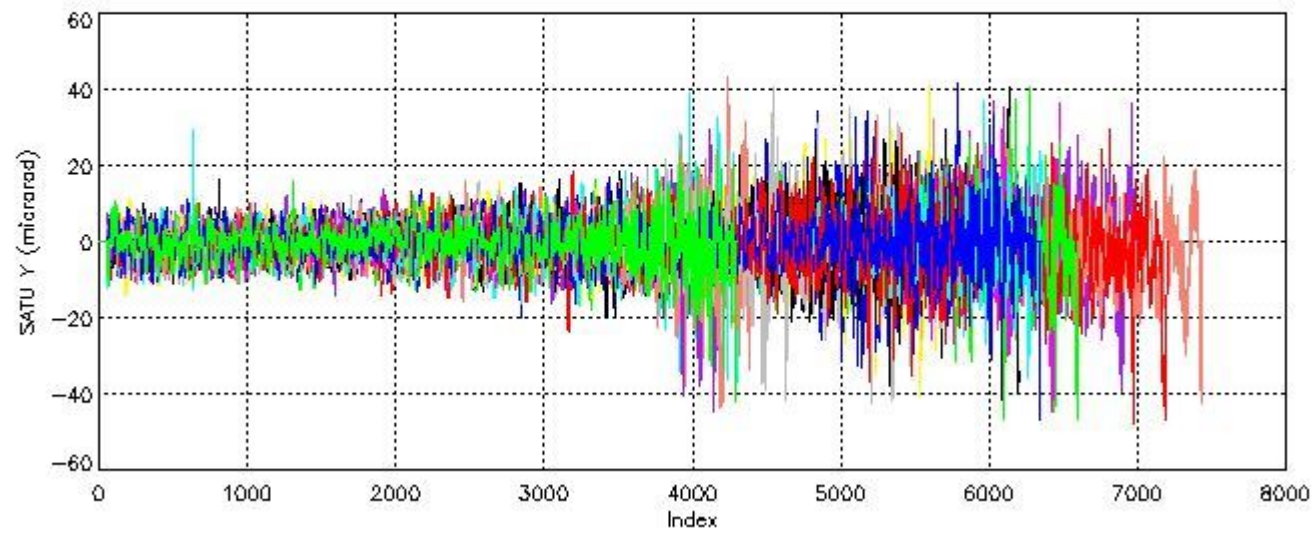
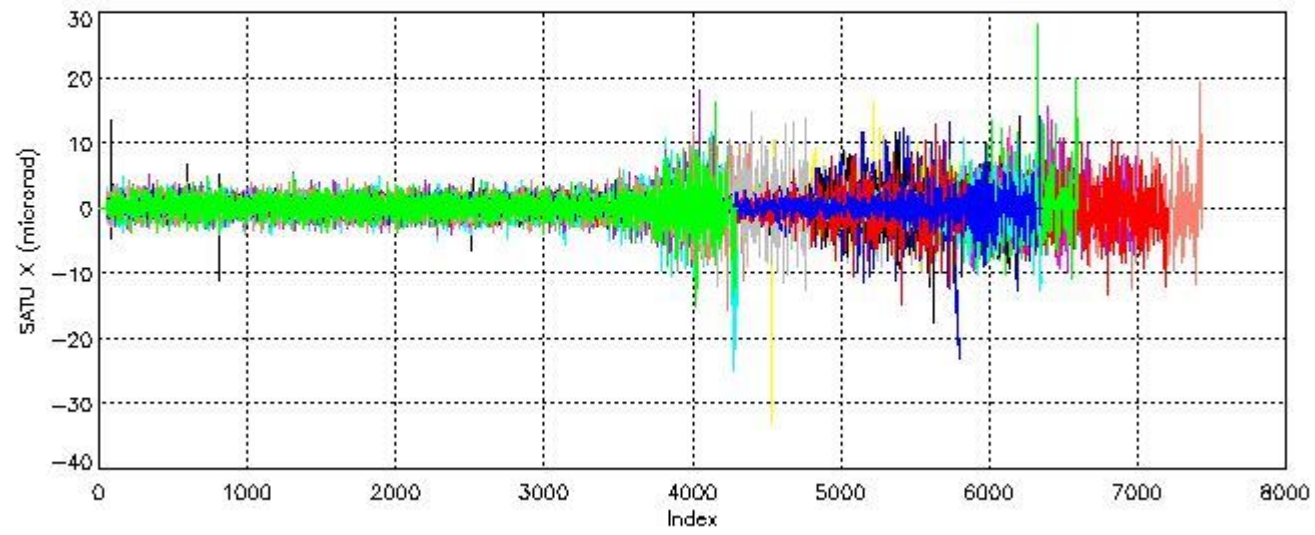


7. Star Acquisition and Tracking Unit (SATU)

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

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

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



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

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

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

7.2.1 SATU NEA Statistics (table)

Statistics	SATU X (D)	SATU Y (D)	SATU X (B)	SATU Y (B)
Mean:	0.24778	-0.60166	0.26457	-0.76558
St. deviation:	0.79156	3.4783	0.84212	3.3445
Maximum:	13.300	29.300	5.7000	12.200
Minimum:	-11.000	-14.400	-4.8000	-14.500

Number of data:	29750.	29750.	57250.	57250.
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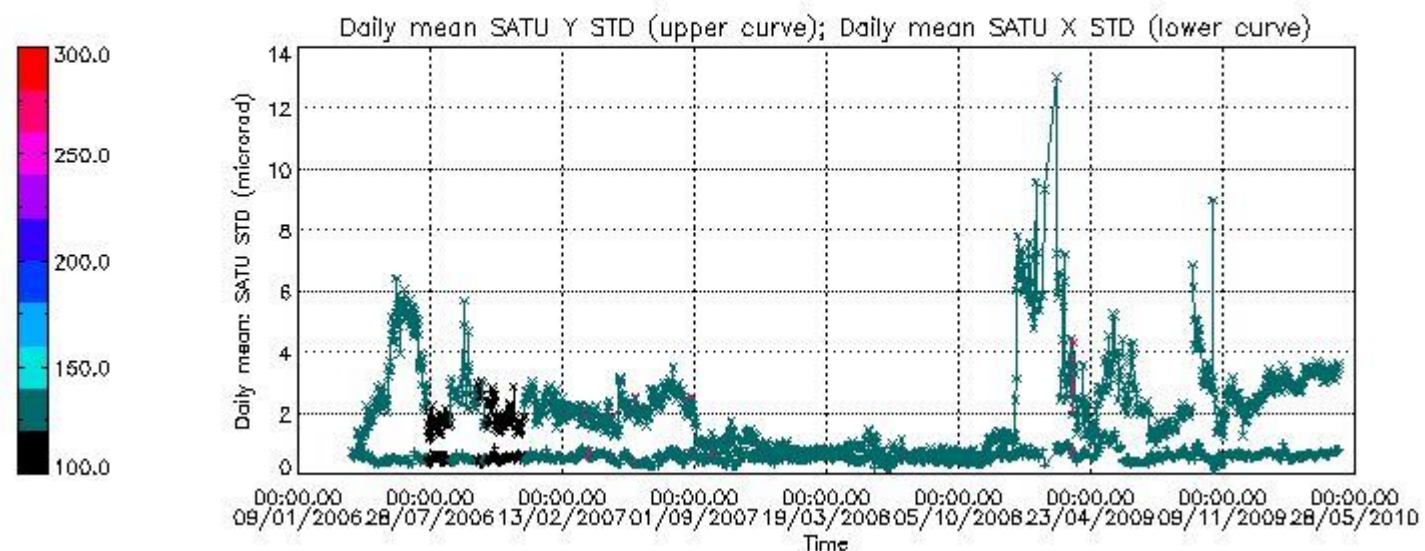
7.2.2 Trend of daily SATU NEA St. deviation since 1st April 2006 (dark limb)

The long term trend of the SATU 'X' and 'Y' standard deviations should be constant during the whole mission.

The colorbar represents the start tangent altitude (km) of the occultations.

Upper curve: STD of SATU Y axis

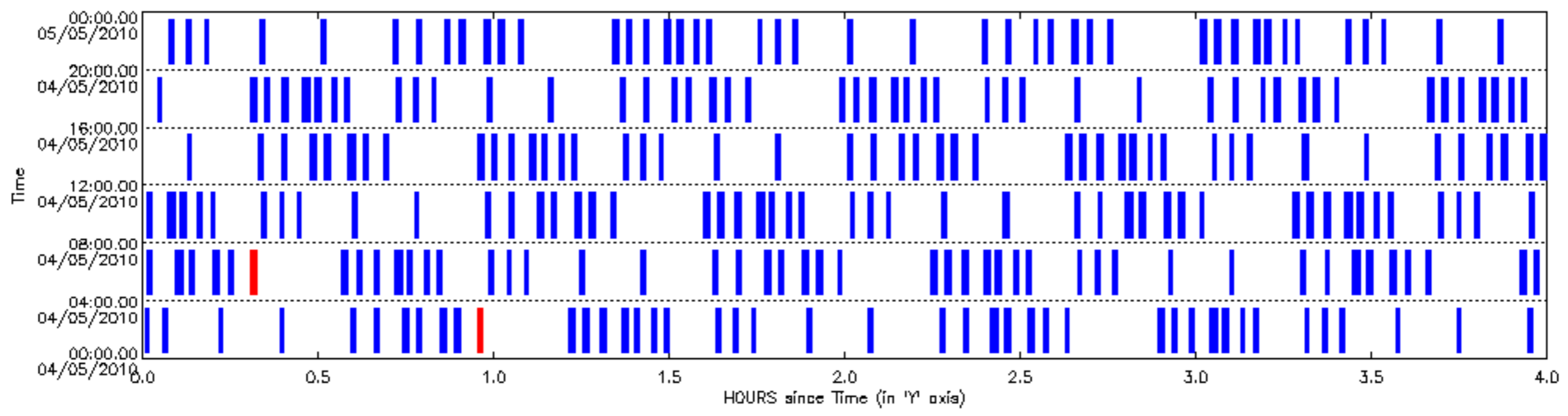
Lower curve: STD of SATU X axis

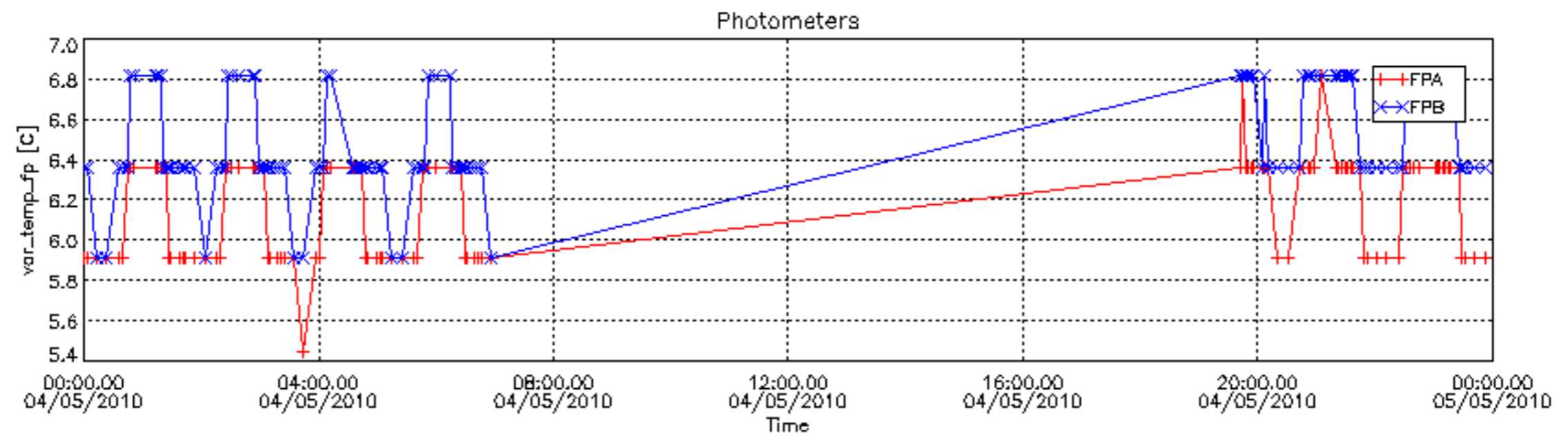
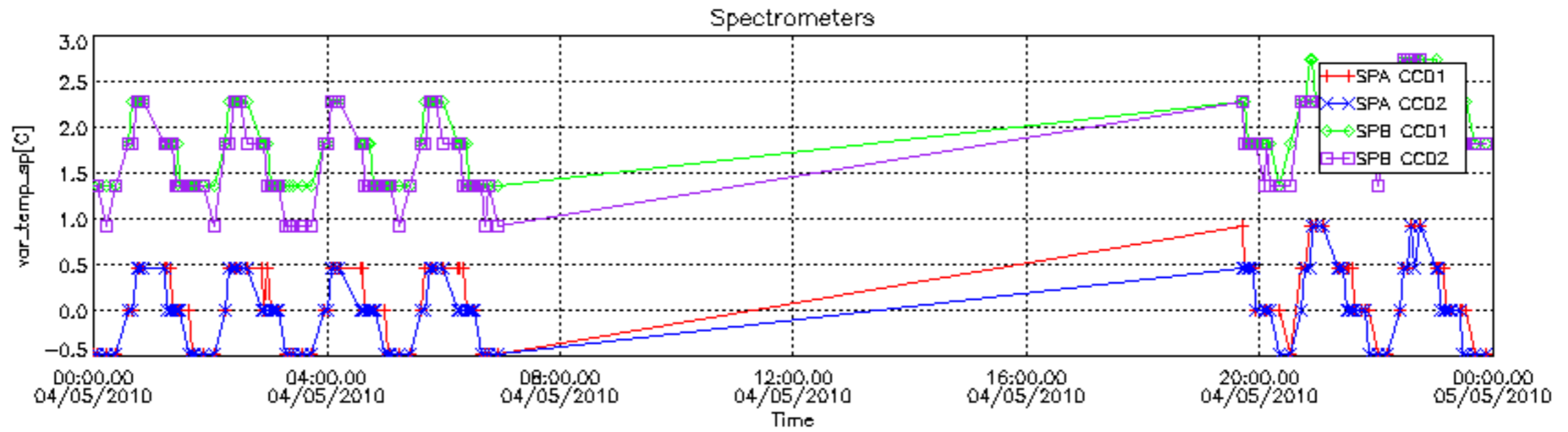


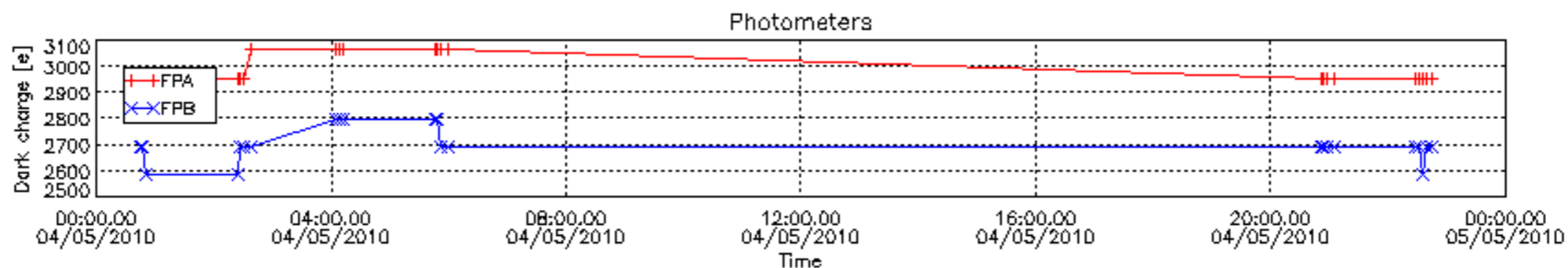
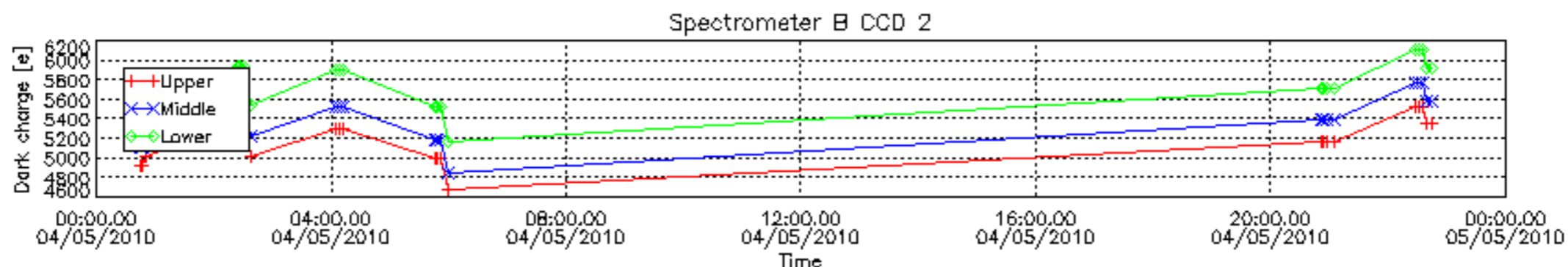
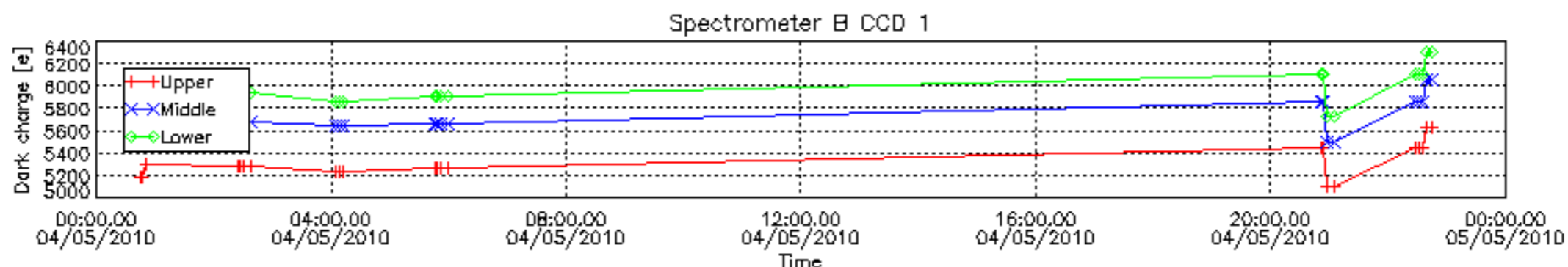
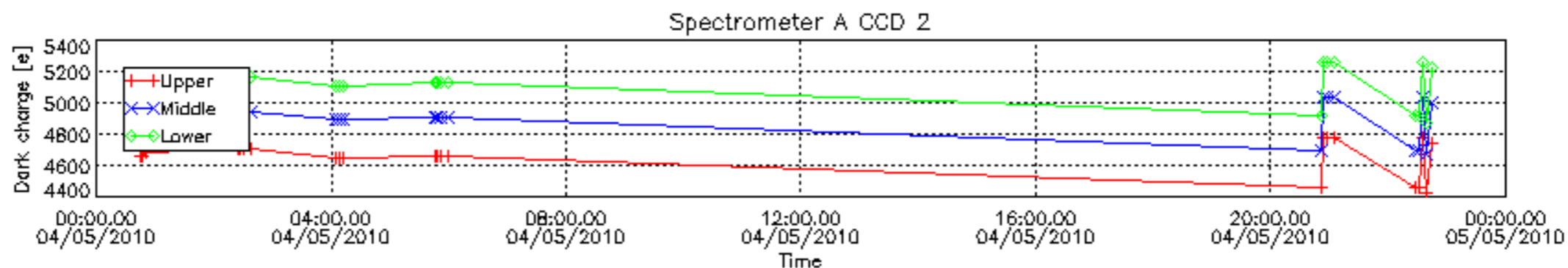
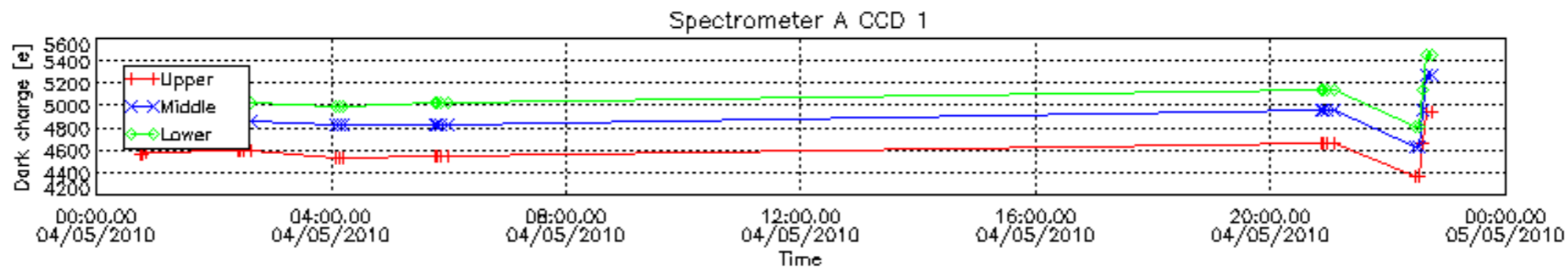
8. Auxiliary Data Files used for the production reported in section 2.4

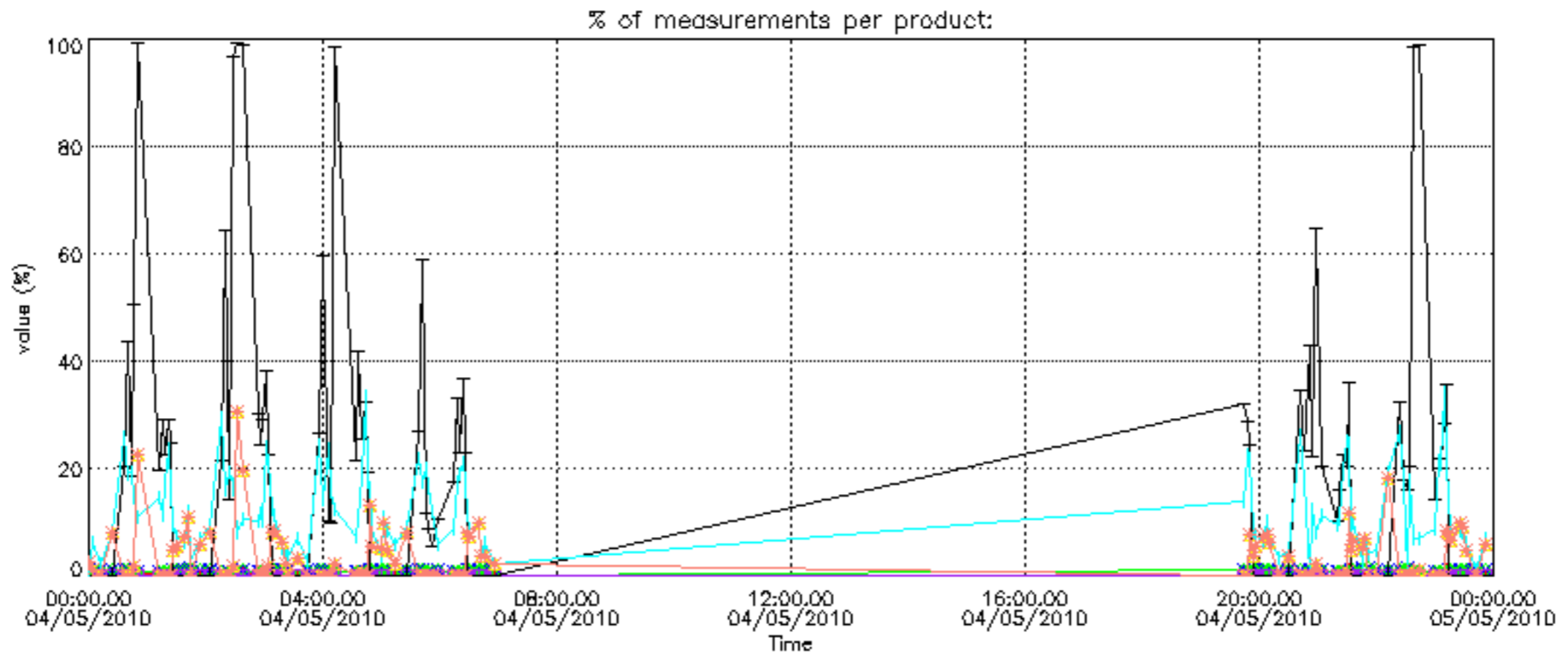
The number reported in the third column indicates since which file (see list in section 2.4) the corresponding auxiliary file has been used. The fourth column is the date of those product files.

Type	Auxiliary Filename	Used since product	Used since product date
INST_PHYS_CHARACTERISTICS	GOM_INS_AXVIEC20091111_143220_20030716_120000_20500101_000000	1	04-MAY-2010 00:00:24
CALIBRATION_DATABASE	GOM_CAL_AXVIEC20100504_084318_20100501_000000_20500101_000000	1	04-MAY-2010 00:00:24
LEVEL-1B_PROC_CONFIG	GOM_PR1_AXVIEC20091111_145255_20020301_000000_20500101_000000	1	04-MAY-2010 00:00:24
STAR_CATALOGUE	GOM_CAT_AXVIEC20020121_161009_20020101_000000_20200101_000000	1	04-MAY-2010 00:00:24
STELLAR_SPECTRA_DATABANK	GOM_STS_AXVIEC20091111_151504_20020101_160000_20500101_000000	1	04-MAY-2010 00:00:24
ECMWF_FILE	AUX_ECA_AXNECM20100504_052116_20100503_210000_20100504_090000	1	04-MAY-2010 00:00:24
ECMWF_FILE	AUX_ECA_AXNECM20100504_172117_20100504_090000_20100504_210000	74	04-MAY-2010 19:42:00
ECMWF_FILE	AUX_ECF_AXNECM20100504_052117_20100504_150000_20100505_030000	87	04-MAY-2010 20:51:39
ECMWF_FILE	AUX_ECF_AXNECM20100504_052117_20100504_210000_20100505_090000	107	04-MAY-2010 22:38:48
OPTIONAL_ECMWF_FILE	MISSING	1	04-MAY-2010 00:00:24
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20100503_230800_000057382089_00101_42740_0280.N1	1	04-MAY-2010 00:00:24
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20100504_004857_000051012089_00102_42741_0281.N1	9	04-MAY-2010 00:50:42
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20100504_021917_000044632089_00103_42742_0282.N1	24	04-MAY-2010 02:24:53
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20100504_033859_000057382089_00104_42743_0283.N1	39	04-MAY-2010 03:44:35
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20100504_051956_000057382089_00105_42744_0284.N1	56	04-MAY-2010 05:25:11
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20100504_194040_000038252089_00114_42753_0285.N1	74	04-MAY-2010 19:42:00
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20100504_204944_000060572089_00114_42753_0286.N1	87	04-MAY-2010 20:51:39
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20100504_223600_000057382089_00115_42754_0287.N1	107	04-MAY-2010 22:38:48

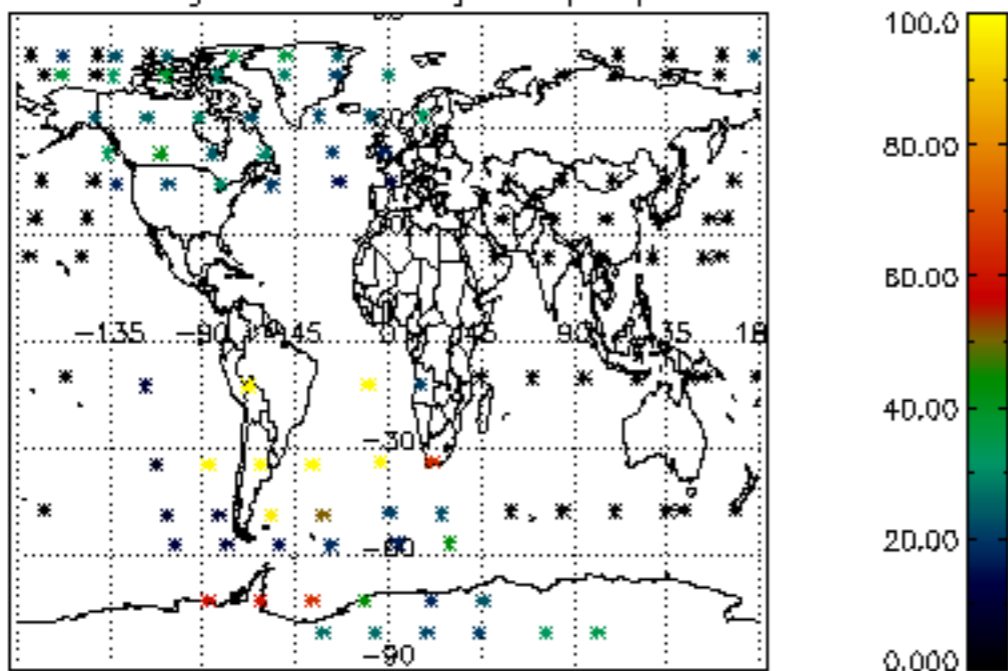




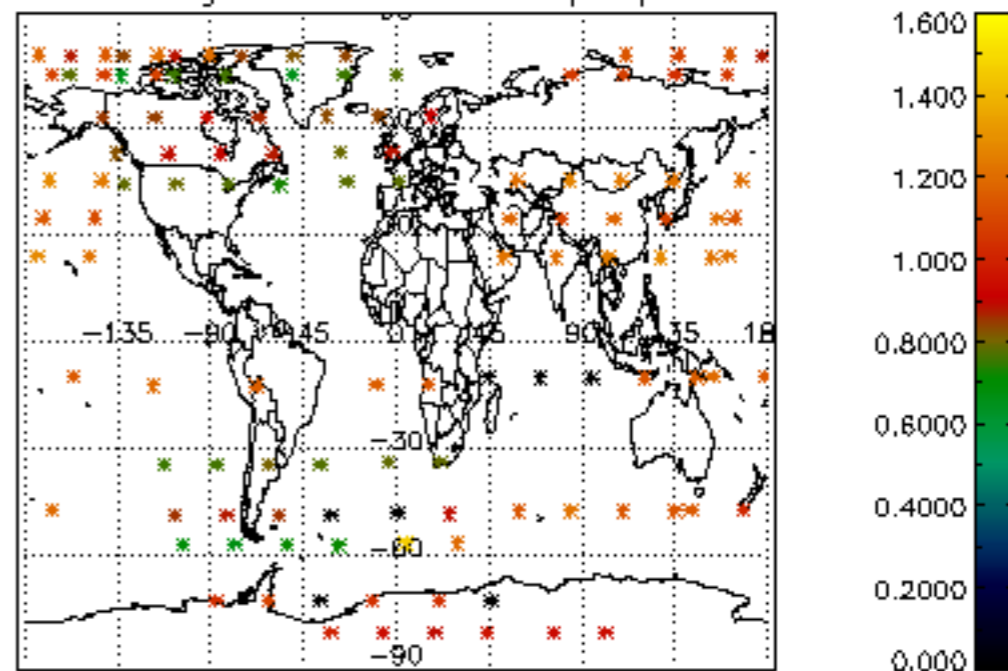




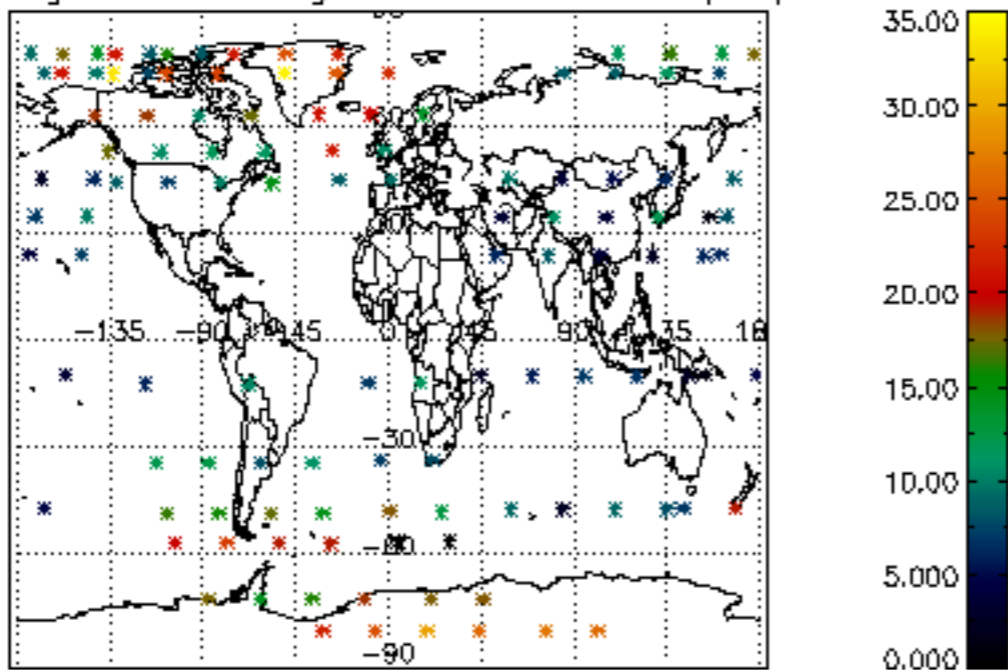
Percentage of cosmic ray hits per profile



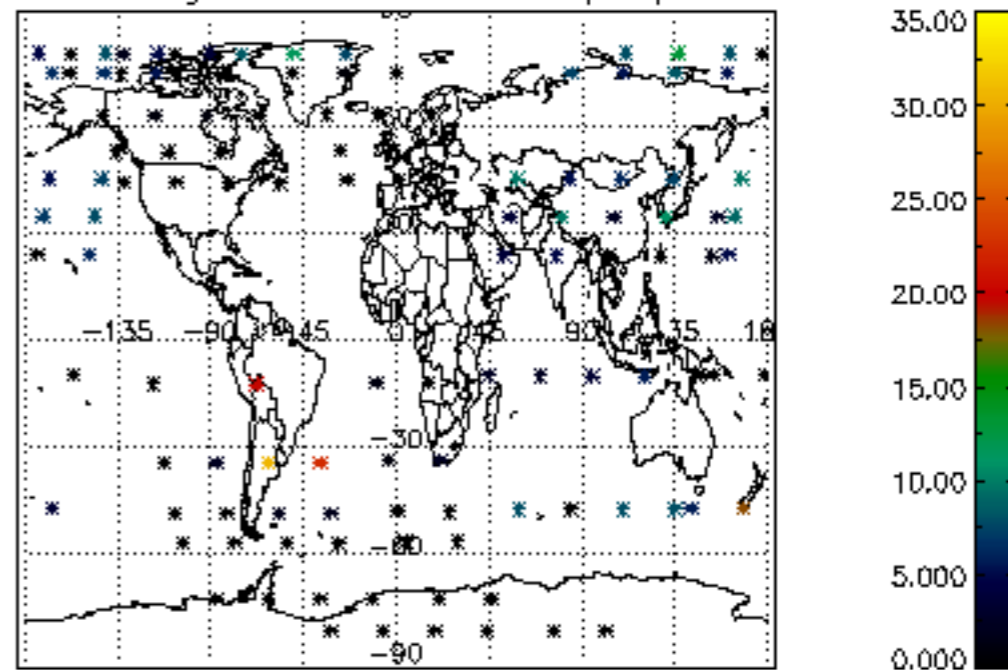
Percentage of datation errors per profile



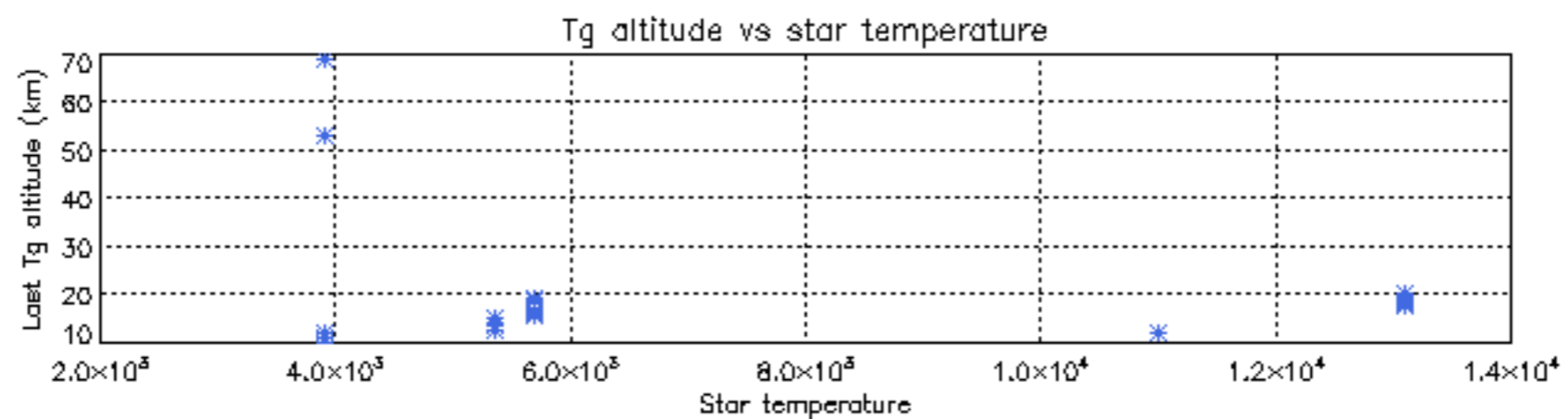
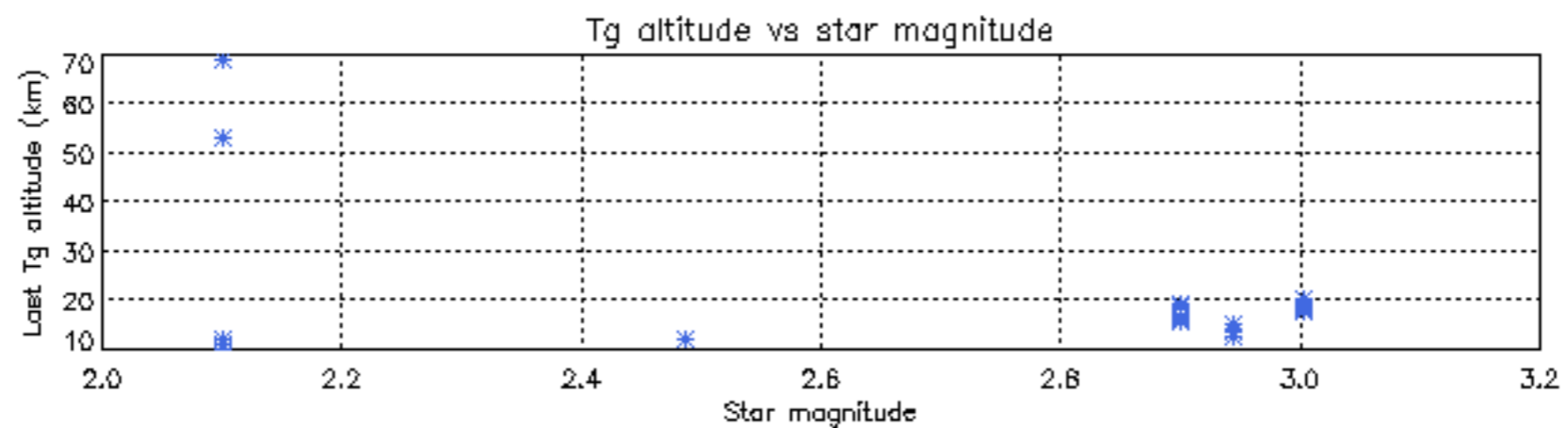
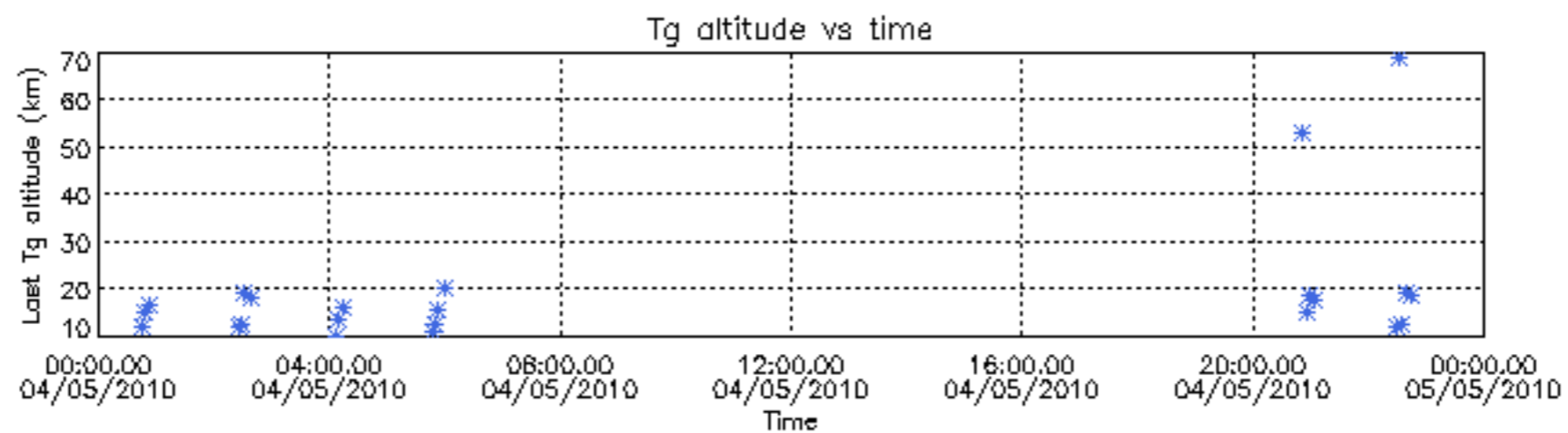
Percentage of star falling outside central band per profile



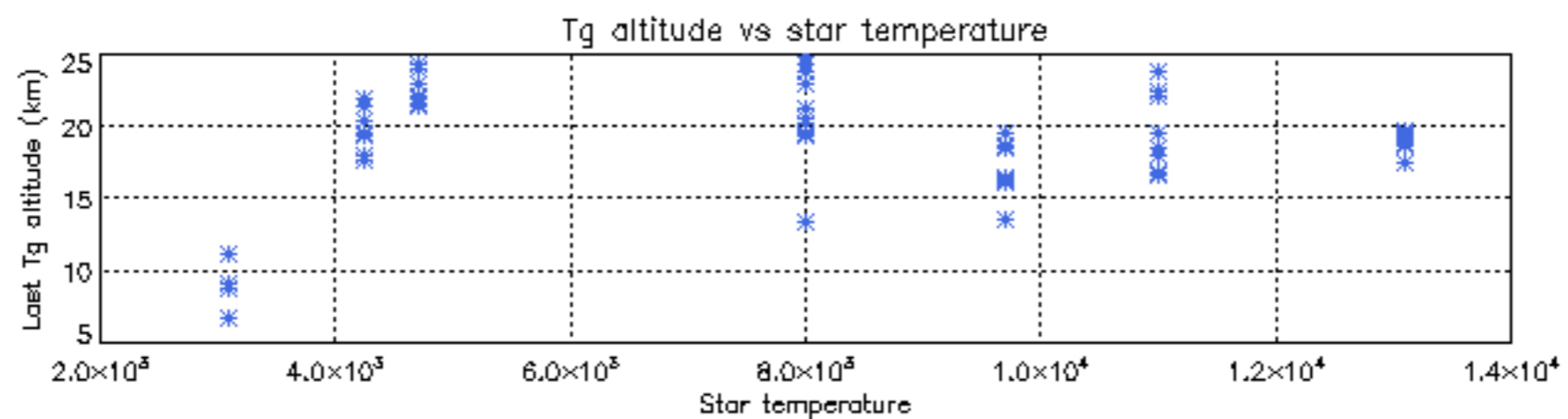
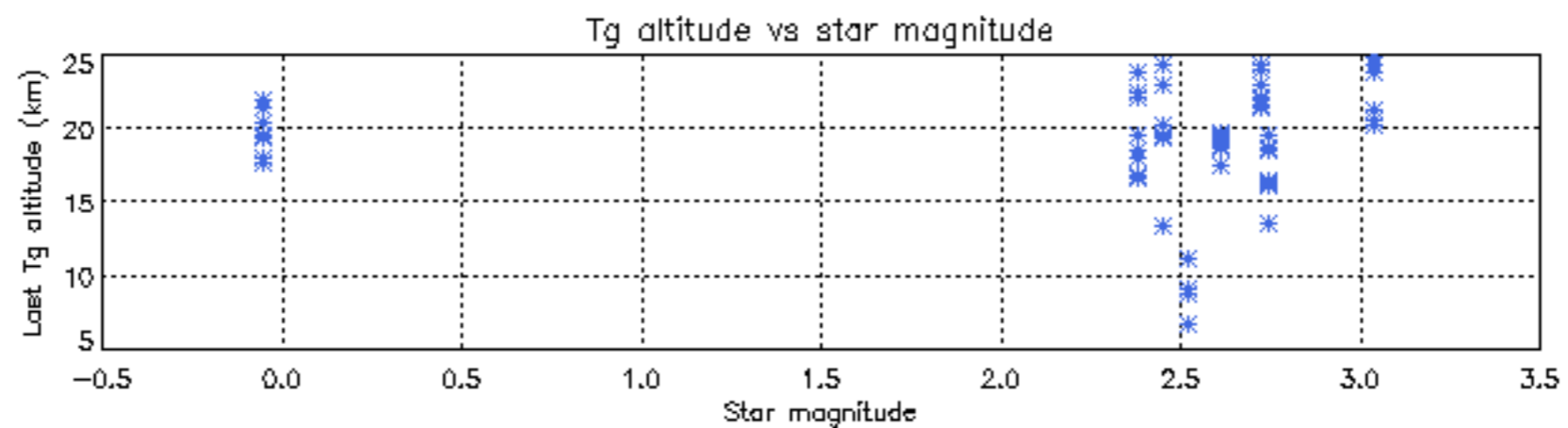
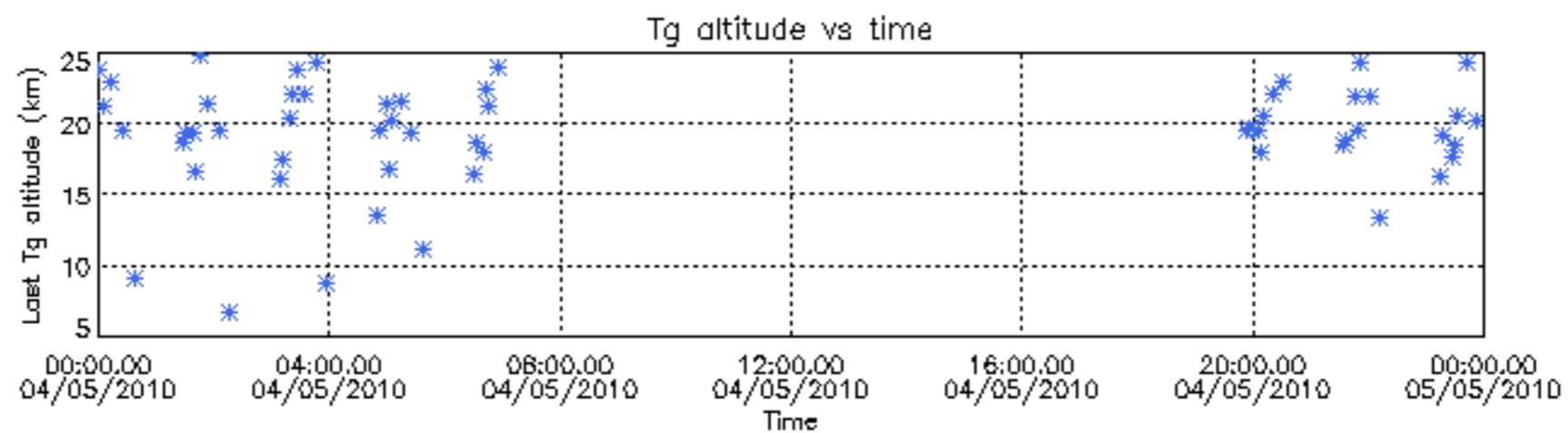
Percentage of saturation errors per profile



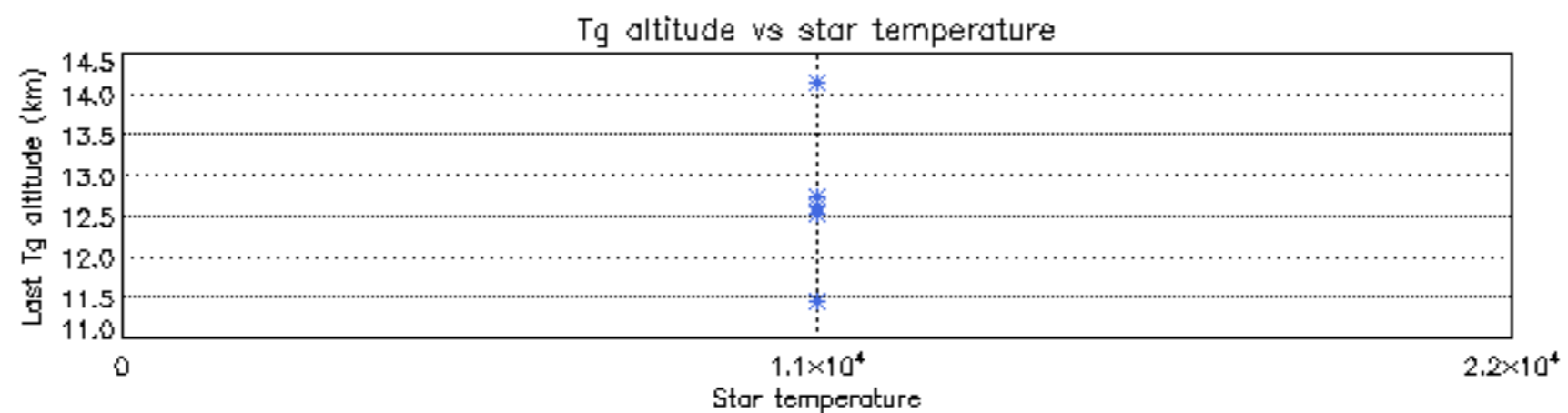
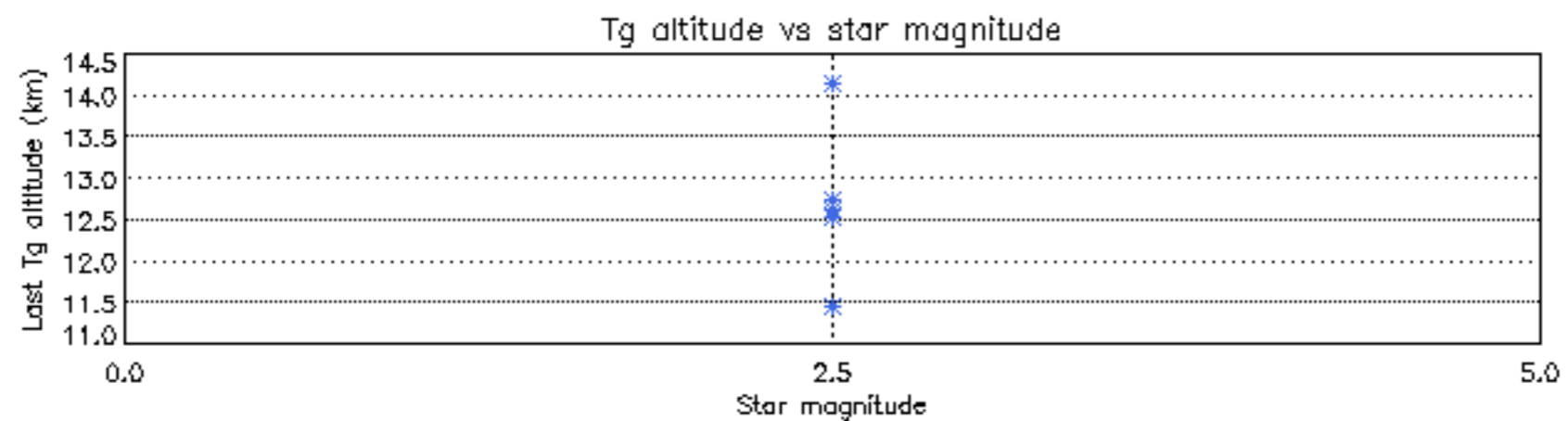
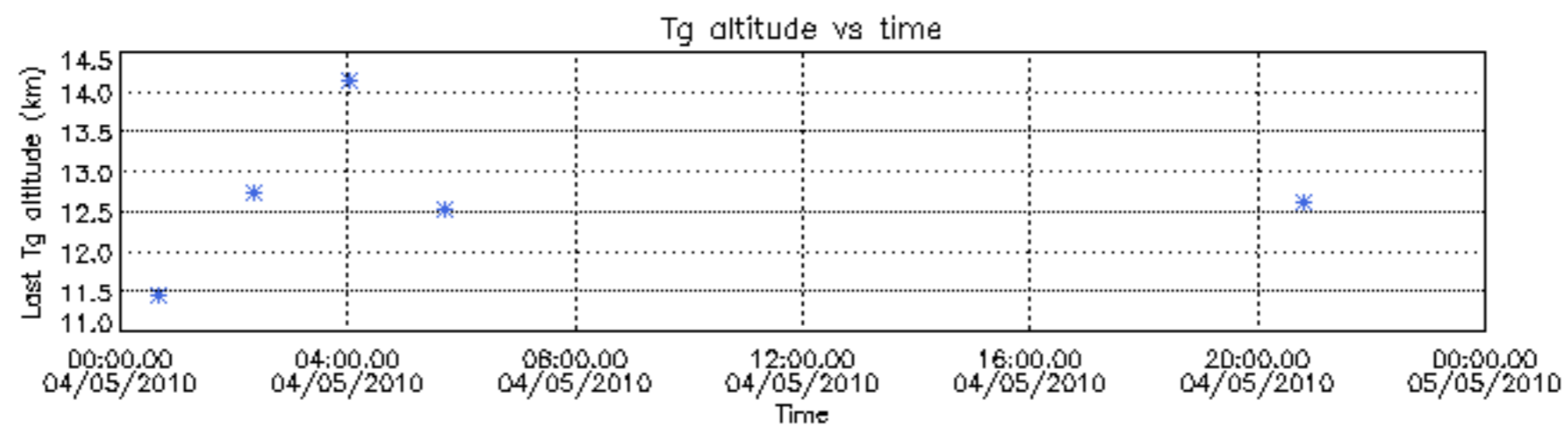
Tangent altitude at which the star is lost

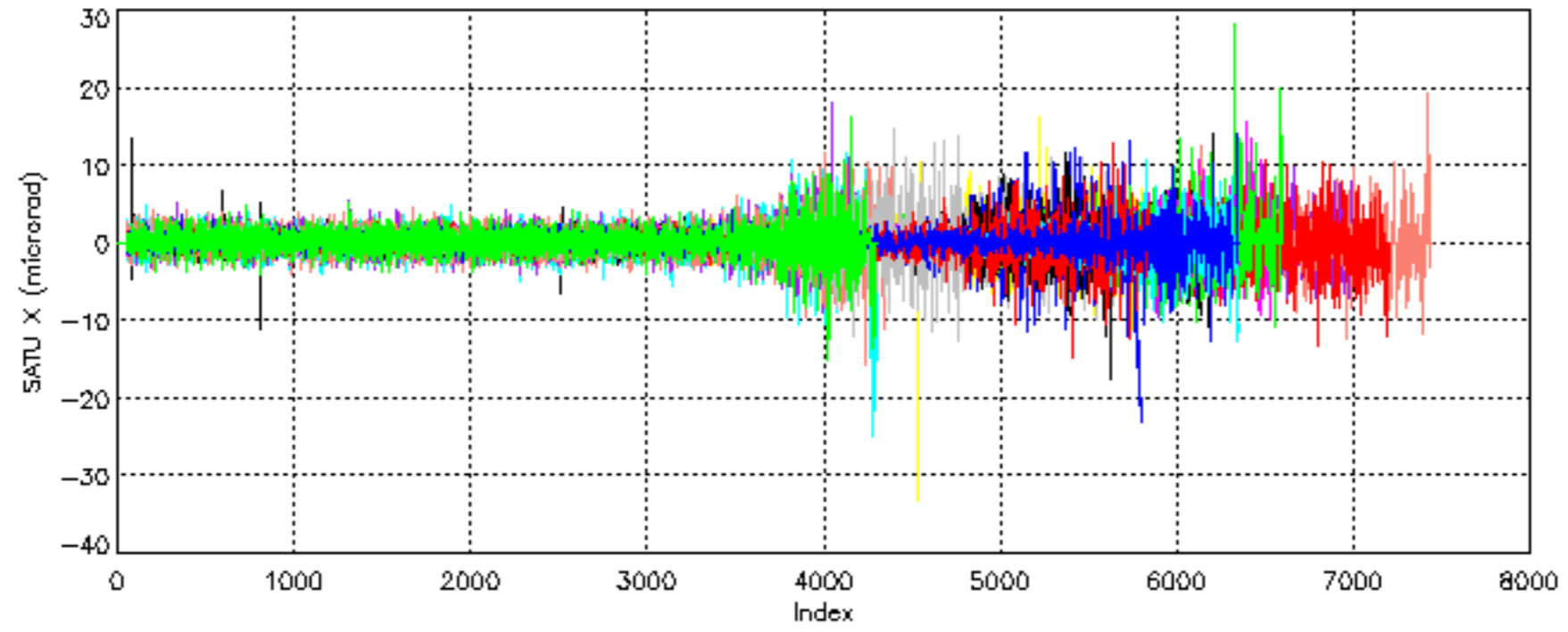


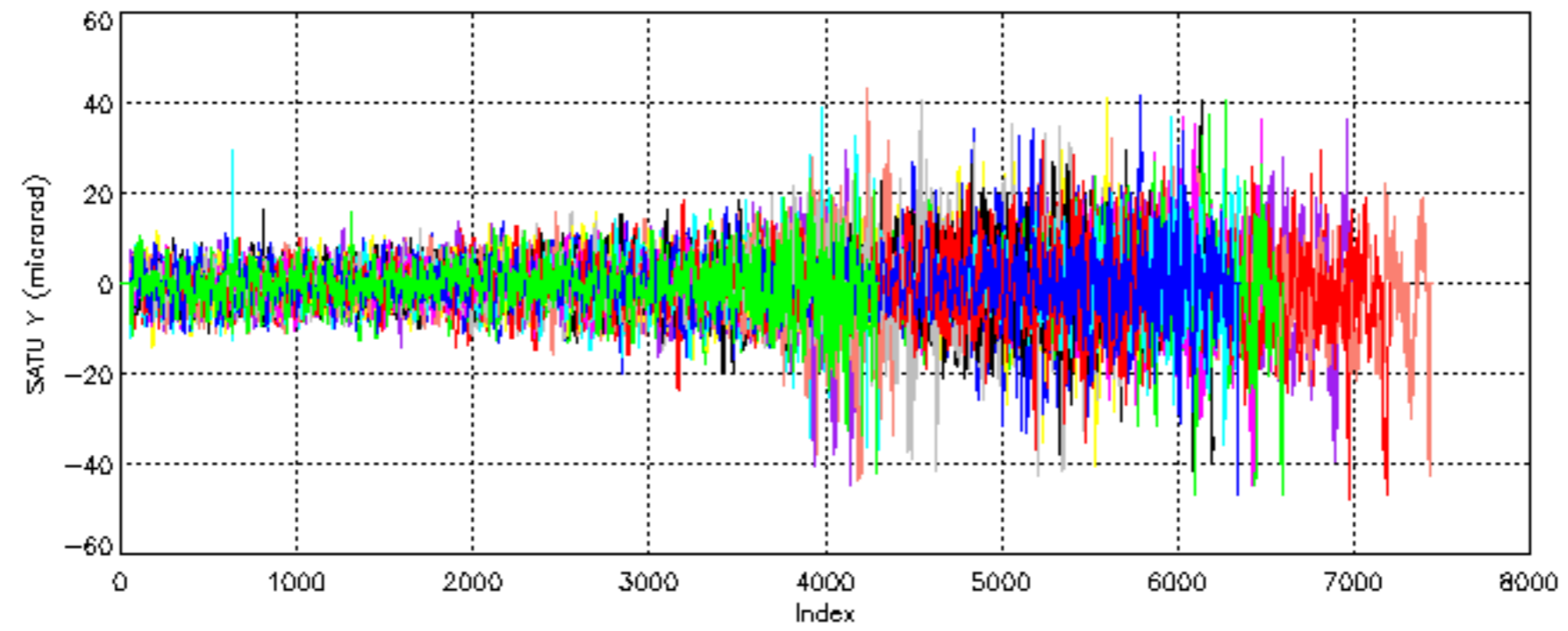
Tangent altitude at which the star is lost

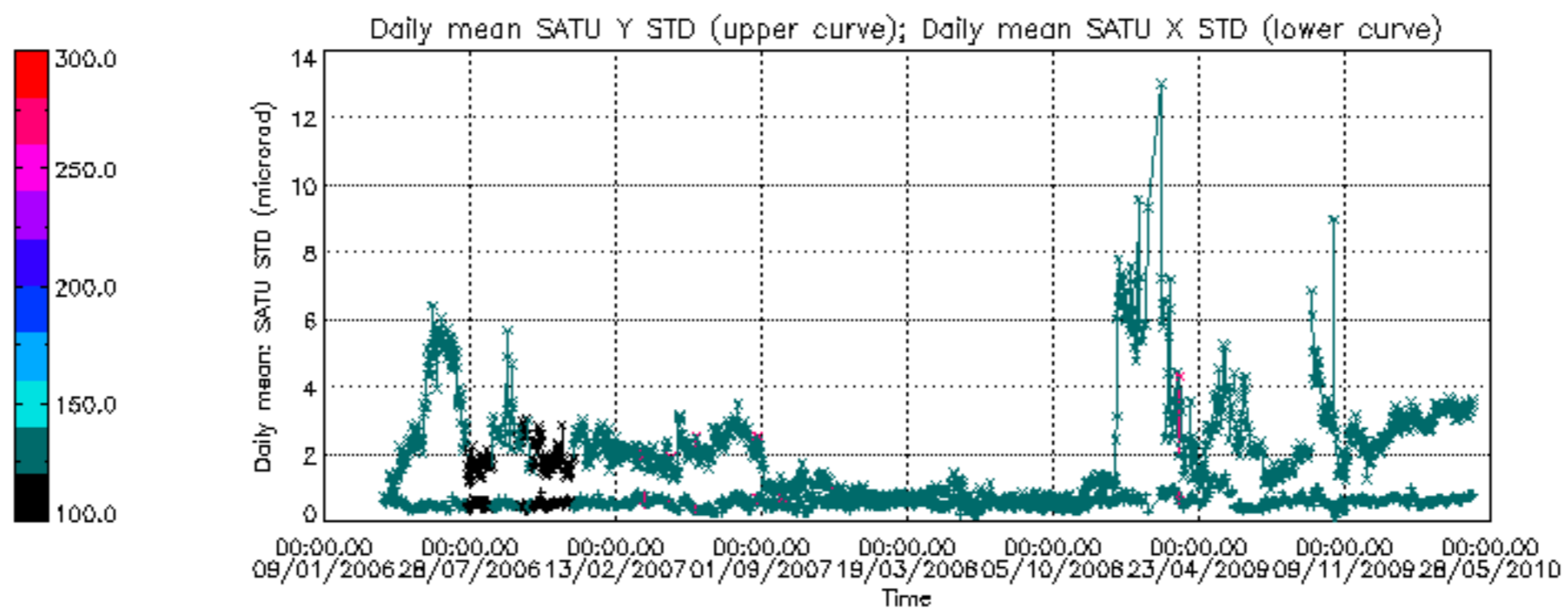


Tangent altitude at which the star is lost









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 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
 8; 1399.6; 01-MAY-2010 01:17:58; Dark ; 58.5; 80; 7Del Sco ; 2.32; 30000;occ; 117; 0;42699
 9; 1590.0; 01-MAY-2010 01:21:09; Bright; 45.0; 122; 9Alp2Lib ; 2.75; 9700;occ; 90; 0;42699
 10; 1728.2; 01-MAY-2010 01:23:27; Bright; 47.5; 104; 27Bet Lib ; 2.61; 13100;occ; 95; 0;42699
 11; 2233.6; 01-MAY-2010 01:31:52; Bright; 40.0; 111; 8Eta Boo ; 2.68; 6000;occ; 80; 0;42699
 12; 2456.5; 01-MAY-2010 01:35:35; Bright; 45.5; 83; ; 2.38; 11000;occ; 91; 0;42699
 13; 2637.1; 01-MAY-2010 01:38:36; Bright; 40.5; 180; 27Gam Boo ; 3.04; 8000;occ; 81; 0;42699
 14; 2770.6; 01-MAY-2010 01:40:49; Bright; 39.5; 39; 85Eta UMA ; 1.85; 24000;occ; 79; 0;42699
 15; 3211.4; 01-MAY-2010 01:48:10; Bright; 44.5; 119; 14Eta Dra ; 2.73; 4700;occ; 89; 0;42699
 16; 3829.0; 01-MAY-2010 01:58:28; Bright; 50.5; 89; 5Alp Cep ; 2.45; 8000;occ; 101; 0;42699
 17; 4140.5; 01-MAY-2010 02:03:39; Bright; 32.0; 19; 50Alp Cyg ; 1.25; 10500;occ; 64; 0;42699
 18; 4508.1; 01-MAY-2010 02:09:47; Dark ; 51.5; 164; 44Eta Peg ; 2.95; 5400;occ; 103; 0;42699
 19; 4773.4; 01-MAY-2010 02:14:12; Dark ; 45.0; 90; 54Alp Peg ; 2.49; 11000;occ; 90; 0;42699
 20; 5030.5; 01-MAY-2010 02:18:29; Dark ; 54.5; 61; 8Eps Peg ; 2.10; 3900;occ; 109; 0;42699

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1; -1005.4; 01-MAY-2010 02:18:29; Dark ; 65.0; 61; 8Eps Peg ; 2.10; 3900;occ; 130; 0;42699
 2; -859.1; 01-MAY-2010 02:20:56; Dark ; 56.5; 162; 34Alp Aqr ; 2.94; 5350;occ; 113; 0;42699
 3; -636.8; 01-MAY-2010 02:24:38; Dark ; 62.0; 154; 22Bet Aqr ; 2.90; 5700;occ; 124; 0;42699
 4; -479.6; 01-MAY-2010 02:27:15; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;42699
 5; 635.3; 01-MAY-2010 02:45:50; Dark ; 42.0; 141; Bet Ara ; 2.84; 4600;occ; 84; 0;42700
 6; 746.6; 01-MAY-2010 02:47:41; Dark ; 55.0; 40; The Sco ; 1.86; 7100;occ; 110; 0;42700
 7; 851.7; 01-MAY-2010 02:49:26; Dark ; 57.5; 25; 35Lam Sco ; 1.62; 28000;occ; 115; 0;42700
 8; 1039.1; 01-MAY-2010 02:52:34; Dark ; 64.5; 75; 26Eps Sco ; 2.29; 4250;occ; 129; 0;42700
 9; 1264.8; 01-MAY-2010 02:56:19; Dark ; 68.0; 16; 21Alp Sco ; 1.02; 3000;occ; 136; 0;42700
 10; 1400.2; 01-MAY-2010 02:58:35; Dark ; 59.0; 80; 7Del Sco ; 2.32; 30000;occ; 118; 0;42700
 11; 1590.1; 01-MAY-2010 03:01:45; Bright; 43.5; 122; 9Alp2Lib ; 2.75; 9700;occ; 87; 0;42700
 12; 1728.1; 01-MAY-2010 03:04:03; Bright; 50.5; 104; 27Bet Lib ; 2.61; 13100;occ; 101; 0;42700
 13; 2233.6; 01-MAY-2010 03:12:28; Bright; 38.0; 111; 8Eta Boo ; 2.68; 6000;occ; 76; 0;42700
 14; 2456.1; 01-MAY-2010 03:16:11; Bright; 46.0; 83; ; 2.38; 11000;occ; 92; 0;42700
 15; 2636.6; 01-MAY-2010 03:19:11; Bright; 41.0; 180; 27Gam Boo ; 3.04; 8000;occ; 82; 0;42700
 16; 2770.8; 01-MAY-2010 03:21:25; Bright; 40.0; 39; 85Eta UMA ; 1.85; 24000;occ; 80; 0;42700
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 2; -1895.8; 01-MAY-2010 03:44:15; Bright; 27.0; 19; 50Alp Cyg ; 1.25; 10500;occ; 54; 0;42700
 3; -1527.6; 01-MAY-2010 03:50:23; Dark ; 50.5; 164; 44Eta Peg ; 2.95; 5400;occ; 101; 0;42700
 4; -1262.2; 01-MAY-2010 03:54:48; Dark ; 46.0; 90; 54Alp Peg ; 2.49; 11000;occ; 92; 0;42700
 5; -1004.5; 01-MAY-2010 03:59:06; Dark ; 66.5; 61; 8Eps Peg ; 2.10; 3900;occ; 133; 0;42700
 6; -858.3; 01-MAY-2010 04:01:32; Dark ; 54.0; 162; 34Alp Aqr ; 2.94; 5350;occ; 108; 0;42700
 7; -635.9; 01-MAY-2010 04:05:15; Dark ; 59.0; 154; 22Bet Aqr ; 2.90; 5700;occ; 118; 0;42700
 8; -478.4; 01-MAY-2010 04:07:52; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;42700
 9; -239.1; 01-MAY-2010 04:11:52; Dark ; 42.5; 172; Gam Gru ; 3.00; 13100;occ; 85; 0;42700
 10; 635.9; 01-MAY-2010 04:26:27; Dark ; 42.5; 141; Bet Ara ; 2.84; 4600;occ; 85; 0;42701
 11; 747.2; 01-MAY-2010 04:28:18; Dark ; 50.5; 40; The Sco ; 1.86; 7100;occ; 101; 0;42701
 12; 852.4; 01-MAY-2010 04:30:03; Dark ; 55.5; 25; 35Lam Sco ; 1.62; 28000;occ; 111; 0;42701
 13; 1039.9; 01-MAY-2010 04:33:11; Dark ; 59.0; 75; 26Eps Sco ; 2.29; 4250;occ; 118; 0;42701
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 15; 1400.2; 01-MAY-2010 04:39:11; Dark ; 62.0; 80; 7Del Sco ; 2.32; 30000;occ; 124; 0;42701
 16; 1590.1; 01-MAY-2010 04:42:21; Bright; 44.5; 122; 9Alp2Lib ; 2.75; 9700;occ; 89; 0;42701
 17; 1728.1; 01-MAY-2010 04:44:39; Bright; 49.5; 104; 27Bet Lib ; 2.61; 13100;occ; 99; 0;42701
 18; 2233.3; 01-MAY-2010 04:53:04; Bright; 38.5; 111; 8Eta Boo ; 2.68; 6000;occ; 77; 0;42701
 19; 2455.6; 01-MAY-2010 04:56:46; Bright; 47.5; 83; ; 2.38; 11000;occ; 95; 0;42701
 20; 2635.9; 01-MAY-2010 04:59:47; Bright; 43.5; 180; 27Gam Boo ; 3.04; 8000;occ; 87; 0;42701
 21; 2770.2; 01-MAY-2010 05:02:01; Bright; 37.5; 39; 85Eta UMA ; 1.85; 24000;occ; 75; 0;42701
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 2; -1896.2; 01-MAY-2010 05:24:50; Bright; 27.0; 19; 50Alp Cyg ; 1.25; 10500;occ; 54; 0;42701
 3; -1527.4; 01-MAY-2010 05:30:59; Dark ; 51.0; 164; 44Eta Peg ; 2.95; 5400;occ; 102; 0;42701
 4; -1262.2; 01-MAY-2010 05:35:24; Dark ; 47.5; 90; 54Alp Peg ; 2.49; 11000;occ; 95; 0;42701
 5; -1003.5; 01-MAY-2010 05:39:43; Dark ; 62.5; 61; 8Eps Peg ; 2.10; 3900;occ; 125; 0;42701


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8; -477.2; 01-MAY-2010 05:48:29; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;42701
9; -238.3; 01-MAY-2010 05:52:28; Dark ; 41.0; 172; Gam Gru ; 3.00; 13100;occ; 82; 0;42701
10; 636.8; 01-MAY-2010 06:07:03; Dark ; 51.5; 141; Bet Ara ; 2.84; 4600;occ; 103; 0;42702
11; 748.3; 01-MAY-2010 06:08:55; Dark ; 59.0; 40; The Sco ; 1.86; 7100;occ; 118; 0;42702
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17; 1728.2; 01-MAY-2010 06:25:15; Bright; 49.0; 104; 27Bet Lib ; 2.61; 13100;occ; 98; 0;42702
18; 2233.1; 01-MAY-2010 06:33:40; Bright; 40.0; 111; 8Eta Boo ; 2.68; 6000;occ; 80; 0;42702
19; 2455.2; 01-MAY-2010 06:37:22; Bright; 48.0; 83; ; 2.38; 11000;occ; 96; 0;42702
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21; 2770.3; 01-MAY-2010 06:42:37; Bright; 36.5; 39; 85Eta UMa ; 1.85; 24000;occ; 73; 0;42702
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3; 1269.7; 01-MAY-2010 19:42:24; Dark ; 70.5; 16; 21Alp Sco ; 1.02; 3000;occ; 141; 0;42710
4; 1403.0; 01-MAY-2010 19:44:37; Dark ; 57.5; 80; 7Del Sco ; 2.32; 30000;occ; 115; 0;42710
5; 1591.3; 01-MAY-2010 19:47:46; Bright; 42.0; 122; 9Alp2Lib ; 2.75; 9700;occ; 84; 0;42710
6; 1727.9; 01-MAY-2010 19:50:02; Bright; 48.0; 104; 27Bet Lib ; 2.61; 13100;occ; 96; 0;42710
7; 2231.6; 01-MAY-2010 19:58:26; Bright; 38.0; 111; 8Eta Boo ; 2.68; 6000;occ; 76; 0;42710
8; 2450.9; 01-MAY-2010 20:02:05; Bright; 46.5; 83; ; 2.38; 11000;occ; 93; 0;42710
9; 2632.0; 01-MAY-2010 20:05:06; Bright; 40.5; 180; 27Gam Boo ; 3.04; 8000;occ; 81; 0;42710
10; 2768.3; 01-MAY-2010 20:07:23; Bright; 36.0; 39; 85Eta UMa ; 1.85; 24000;occ; 72; 0;42710
11; 3204.3; 01-MAY-2010 20:14:39; Bright; 44.0; 119; 14Eta Dra ; 2.73; 4700;occ; 88; 0;42710
12; 3825.4; 01-MAY-2010 20:25:00; Bright; 40.5; 89; 5Alp Cep ; 2.45; 8000;occ; 81; 0;42710
13; 4509.7; 01-MAY-2010 20:36:24; Dark ; 49.5; 164; 44Eta Peg ; 2.95; 5400;occ; 99; 0;42710
14; 4776.8; 01-MAY-2010 20:40:51; Dark ; 46.0; 90; 54Alp Peg ; 2.49; 11000;occ; 92; 0;42710
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15; 2450.2; 01-MAY-2010 21:42:40; Bright; 43.5; 83; ; 2.38; 11000;occ; 87; 0;42711
16; 2631.5; 01-MAY-2010 21:45:42; Bright; 39.5; 180; 27Gam Boo ; 3.04; 8000;occ; 79; 0;42711
17; 2769.3; 01-MAY-2010 21:47:59; Bright; 37.0; 39; 85Eta UMa ; 1.85; 24000;occ; 74; 0;42711
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19; 3825.1; 01-MAY-2010 22:05:35; Bright; 45.5; 89; 5Alp Cep ; 2.45; 8000;occ; 91; 0;42711
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4; 757.1; 01-MAY-2010 22:55:03; Dark ; 52.5; 40; The Sco ; 1.86; 7100;occ; 105; 0;42712
5; 862.9; 01-MAY-2010 22:56:49; Dark ; 59.0; 25; 35Lam Sco ; 1.62; 28000;occ; 118; 0;42712
6; 1047.6; 01-MAY-2010 22:59:54; Dark ; 60.5; 75; 26Eps Sco ; 2.29; 4250;occ; 121; 0;42712
7; 1270.7; 01-MAY-2010 23:03:37; Dark ; 80.0; 16; 21Alp Sco ; 1.02; 3000;occ; 160; 0;42712
8; 1403.6; 01-MAY-2010 23:05:50; Dark ; 60.5; 80; 7Del Sco ; 2.32; 30000;occ; 121; 0;42712
9; 1591.3; 01-MAY-2010 23:08:57; Bright; 45.5; 122; 9Alp2Lib ; 2.75; 9700;occ; 91; 0;42712
10; 1727.4; 01-MAY-2010 23:11:13; Bright; 46.5; 104; 27Bet Lib ; 2.61; 13100;occ; 93; 0;42712

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12; 2449.8; 01-MAY-2010 23:23:16; Bright; 45.5; 83; ; 2.38; 11000;occ; 91; 0;42712
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16; 4510.2; 01-MAY-2010 23:57:36; Dark ; 50.5; 164; 44Eta Peg ; 2.95; 5400;occ; 101; 0;42712
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2; 2447.2; 02-MAY-2010 09:26:49; Bright; 54.5; 83; ; 2.38; 11000;occ; 109; 0;42718
3; 2628.2; 02-MAY-2010 09:29:50; Bright; 41.5; 180; 27Gam Boo ; 3.04; 8000;occ; 83; 0;42718

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5; 3822.9; 02-MAY-2010 09:49:45; Bright; 43.5; 89; 5Alp Cep ; 2.45; 8000;occ; 87; 0;42718
6; 4511.3; 02-MAY-2010 10:01:13; Dark ; 50.0; 164; 44Eta Peg ; 2.95; 5400;occ; 100; 0;42718
7; 4779.6; 02-MAY-2010 10:05:41; Dark ; 44.5; 90; 54Alp Peg ; 2.49; 11000;occ; 89; 0;42718
8; 5047.0; 02-MAY-2010 10:10:09; Dark ; 66.0; 61; 8Eps Peg ; 2.10; 3900;occ; 132; 0;42718
9; 5192.2; 02-MAY-2010 10:12:34; Dark ; 54.0; 162; 34Alp Aqr ; 2.94; 5350;occ; 108; 0;42718
10; 5422.8; 02-MAY-2010 10:16:24; Dark ; 62.0; 154; 22Bet Aqr ; 2.90; 5700;occ; 124; 0;42718
11; 5578.6; 02-MAY-2010 10:19:00; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;42718
12; 5810.4; 02-MAY-2010 10:22:52; Dark ; 45.0; 172; Gam Gru ; 3.00; 13100;occ; 90; 0;42718
13; 6683.1; 02-MAY-2010 10:37:25; Dark ; 44.0; 141; Bet Ara ; 2.84; 4600;occ; 88; 0;42719
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16; 7088.4; 02-MAY-2010 10:44:10; Dark ; 57.0; 75; 26Eps Sco ; 2.29; 4250;occ; 114; 0;42719
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2; 2230.4; 02-MAY-2010 11:03:48; Bright; 37.5; 111; 8Eta Boo ; 2.68; 6000;occ; 75; 0;42719
3; 2446.6; 02-MAY-2010 11:07:24; Bright; 42.5; 83; ; 2.38; 11000;occ; 85; 0;42719
4; 2628.0; 02-MAY-2010 11:10:26; Bright; 40.0; 180; 27Gam Boo ; 3.04; 8000;occ; 80; 0;42719
5; 3198.9; 02-MAY-2010 11:19:56; Bright; 46.0; 119; 14Eta Dra ; 2.73; 4700;occ; 92; 0;42719
6; 3822.6; 02-MAY-2010 11:30:20; Bright; 45.0; 89; 5Alp Cep ; 2.45; 8000;occ; 90; 0;42719
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8; 4779.9; 02-MAY-2010 11:46:17; Dark ; 45.5; 90; 54Alp Peg ; 2.49; 11000;occ; 91; 0;42719
9; 5048.2; 02-MAY-2010 11:50:46; Dark ; 67.5; 61; 8Eps Peg ; 2.10; 3900;occ; 135; 0;42719
10; 5193.0; 02-MAY-2010 11:53:11; Dark ; 56.5; 162; 34Alp Aqr ; 2.94; 5350;occ; 113; 0;42719
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12; 5579.8; 02-MAY-2010 11:59:37; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;42719
13; 5810.8; 02-MAY-2010 12:03:28; Dark ; 44.5; 172; Gam Gru ; 3.00; 13100;occ; 89; 0;42719
14; 6684.0; 02-MAY-2010 12:18:02; Dark ; 52.5; 141; Bet Ara ; 2.84; 4600;occ; 105; 0;42720
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16; 6906.4; 02-MAY-2010 12:21:44; Dark ; 62.0; 25; 35Lam Sco ; 1.62; 28000;occ; 124; 0;42720
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4; 2446.0; 02-MAY-2010 12:47:59; Bright; 43.5; 83; ; 2.38; 11000;occ; 87; 0;42720
5; 2627.6; 02-MAY-2010 12:51:01; Bright; 40.5; 180; 27Gam Boo ; 3.04; 8000;occ; 81; 0;42720
6; 3198.6; 02-MAY-2010 13:00:32; Bright; 45.0; 119; 14Eta Dra ; 2.73; 4700;occ; 90; 0;42720
7; 3822.4; 02-MAY-2010 13:10:56; Bright; 41.5; 89; 5Alp Cep ; 2.45; 8000;occ; 83; 0;42720
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13; 5581.0; 02-MAY-2010 13:40:14; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;42720
14; 5812.0; 02-MAY-2010 13:44:05; Dark ; 42.0; 172; Gam Gru ; 3.00; 13100;occ; 84; 0;42720
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16; 6800.7; 02-MAY-2010 14:00:34; Dark ; 53.5; 40; The Sco ; 1.86; 7100;occ; 107; 0;42721
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3; 2229.8; 02-MAY-2010 14:24:59; Bright; 38.5; 111; 8Eta Boo ; 2.68; 6000;occ; 77; 0;42721
4; 2445.6; 02-MAY-2010 14:28:35; Bright; 43.5; 83; ; 2.38; 11000;occ; 87; 0;42721
5; 2627.1; 02-MAY-2010 14:31:36; Bright; 39.5; 180; 27Gam Boo ; 3.04; 8000;occ; 79; 0;42721
6; 3197.7; 02-MAY-2010 14:41:07; Bright; 43.0; 119; 14Eta Dra ; 2.73; 4700;occ; 86; 0;42721
7; 3822.5; 02-MAY-2010 14:51:32; Bright; 62.0; 89; 5Alp Cep ; 2.45; 8000;occ; 124; 0;42721
8; 4511.7; 02-MAY-2010 15:03:01; Dark ; 48.0; 164; 44Eta Peg ; 2.95; 5400;occ; 96; 0;42721

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 15; 6685.2; 02-MAY-2010 15:39:14; Dark ; 45.0; 141; Bet Ara ; 2.84; 4600;occ; 90; 0;42722
 16; 6801.5; 02-MAY-2010 15:41:11; Dark ; 53.0; 40; The Sco ; 1.86; 7100;occ; 106; 0;42722
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 11; 1726.4; 03-MAY-2010 00:20:11; Bright; 48.5; 104; 27Bet Lib ; 2.61; 13100;occ; 97; 0;42727
 12; 2229.3; 03-MAY-2010 00:28:34; Bright; 37.5; 111; 8Eta Boo ; 2.68; 6000;occ; 75; 0;42727
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 19; 5054.8; 03-MAY-2010 01:15:40; Dark ; 68.0; 61; 8Eps Peg ; 2.10; 3900;occ; 136; 0;42727
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 3; 1406.7; 02-MAY-2010 17:32:28; Dark ; 59.0; 80; 7Del Sco ; 2.32; 30000;occ; 118; 0;42723
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 13; 5051.7; 02-MAY-2010 18:33:13; Dark ; 70.0; 61; 8Eps Peg ; 2.10; 3900;occ; 140; 0;42723
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17; 5814.4; 02-MAY-2010 18:45:56; Dark ; 42.5; 172; Gam Gru ; 3.00; 13100;occ; 85; 0;42723
18; 6686.5; 02-MAY-2010 19:00:28; Dark ; 50.5; 141; Bet Ara ; 2.84; 4600;occ; 101; 0;42724
19; 6803.2; 02-MAY-2010 19:02:25; Dark ; 58.0; 40; The Sco ; 1.86; 7100;occ; 116; 0;42724
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18; 3801.1; 06-MAY-2010 22:48:18; Bright; 44.0; 89; 5Alp Cep ; 2.45; 8000;occ; 88; 0;42783
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 4; 2422.5; 06-MAY-2010 07:19:56; Bright; 41.5; 83; ; 2.38; 11000;occ; 83; 0;42774
 5; 2517.9; 06-MAY-2010 07:21:32; Bright; 48.5; 67; 5Alp CrB ; 2.22; 11000;occ; 97; 0;42774
 6; 3166.4; 06-MAY-2010 07:32:20; Bright; 44.0; 119; 14Eta Dra ; 2.73; 4700;occ; 88; 0;42774
 7; 3804.7; 06-MAY-2010 07:42:59; Bright; 44.0; 89; 5Alp Cep ; 2.45; 8000;occ; 88; 0;42774
 8; 4550.1; 06-MAY-2010 07:55:24; Dark ; 53.0; 93; 53Bet Peg ; 2.52; 3100;occ; 106; 0;42774
 9; 4799.0; 06-MAY-2010 07:59:33; Dark ; 48.0; 90; 54Alp Peg ; 2.49; 11000;occ; 96; 0;42774
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 17; 7457.3; 06-MAY-2010 08:43:51; Dark ; 59.0; 80; 7Del Sco ; 2.32; 30000;occ; 118; 0;42775
 18; 7634.5; 06-MAY-2010 08:46:48; Bright; 42.0; 122; 9Alp2Lib ; 2.75; 9700;occ; 84; 0;42775
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 3; 2247.9; 06-MAY-2010 08:57:38; Bright; 43.0; 3; 16Alp Boo ; -0.05; 4250;occ; 86; 0;42775
 4; 2422.0; 06-MAY-2010 09:00:32; Bright; 43.0; 83; ; 2.38; 11000;occ; 86; 0;42775
 5; 2517.2; 06-MAY-2010 09:02:07; Bright; 50.5; 67; 5Alp CrB ; 2.22; 11000;occ; 101; 0;42775
 6; 3165.8; 06-MAY-2010 09:12:56; Bright; 43.5; 119; 14Eta Dra ; 2.73; 4700;occ; 87; 0;42775
 7; 3804.4; 06-MAY-2010 09:23:34; Bright; 45.5; 89; 5Alp Cep ; 2.45; 8000;occ; 91; 0;42775
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 16; 7335.6; 06-MAY-2010 10:22:25; Dark ; 73.0; 16; 21Alp Sco ; 1.02; 3000;occ; 146; 0;42776
 17; 7457.4; 06-MAY-2010 10:24:27; Dark ; 55.5; 80; 7Del Sco ; 2.32; 30000;occ; 111; 0;42776
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 3; 2103.9; 06-MAY-2010 10:35:50; Bright; 52.5; 102; 24Alp Ser ; 2.60; 4250;occ; 105; 0;42776
 4; 2247.6; 06-MAY-2010 10:38:13; Bright; 38.0; 3; 16Alp Boo ; -0.05; 4250;occ; 76; 0;42776
 5; 2421.8; 06-MAY-2010 10:41:07; Bright; 44.0; 83; ; 2.38; 11000;occ; 88; 0;42776
 6; 2516.5; 06-MAY-2010 10:42:42; Bright; 49.5; 67; 5Alp CrB ; 2.22; 11000;occ; 99; 0;42776
 7; 3165.3; 06-MAY-2010 10:53:31; Bright; 43.5; 119; 14Eta Dra ; 2.73; 4700;occ; 87; 0;42776
 8; 3803.7; 06-MAY-2010 11:04:09; Bright; 63.0; 89; 5Alp Cep ; 2.45; 8000;occ; 126; 0;42776
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 11; 5245.5; 06-MAY-2010 11:28:11; Dark ; 61.0; 162; 34Alp Aqr ; 2.94; 5350;occ; 122; 0;42776
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 13; 5856.9; 06-MAY-2010 11:38:23; Dark ; 43.0; 172; Gam Gru ; 3.00; 13100;occ; 86; 0;42776
 14; 6821.2; 06-MAY-2010 11:54:27; Dark ; 66.5; 38; 20Eps Sgr ; 1.84; 11000;occ; 133; 0;42777


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 4; 2247.6; 06-MAY-2010 12:18:49; Bright; 37.5; 3; 16Alp Boo ; -0.05; 4250;occ; 75; 0;42777
 5; 2421.1; 06-MAY-2010 12:21:43; Bright; 40.5; 83; ; 2.38; 11000;occ; 81; 0;42777
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 8; 3803.6; 06-MAY-2010 12:44:45; Bright; 42.5; 89; 5Alp Cep ; 2.45; 8000;occ; 85; 0;42777
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11; 5246.6; 06-MAY-2010 13:08:48; Dark ; 60.5; 162; 34Alp Aqr ; 2.94; 5350;occ; 121; 0;42777
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 5; 2247.0; 06-MAY-2010 13:59:24; Bright; 39.5; 3; 16Alp Boo ; -0.05; 4250;occ; 79; 0;42778
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 3; 813.8; 06-MAY-2010 16:56:43; Dark ; 52.0; 40; The Sco ; 1.86; 7100;occ; 104; 0;42780
 4; 928.7; 06-MAY-2010 16:58:38; Dark ; 34.0; 115; 34Ups Sco ; 2.70; 26000;occ; 68; 0;42780
 5; 1092.4; 06-MAY-2010 17:01:22; Dark ; 44.5; 75; 26Eps Sco ; 2.29; 4250;occ; 89; 0;42780
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 4; 235.4; 06-MAY-2010 23:29:29; Dark ; 40.5; 45; Alp Pav ; 1.94; 26000;occ; 81; 0;42784
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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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 6; 2419.8; 06-MAY-2010 19:04:05; Bright; 42.0; 83; ; 2.38; 11000;occ; 84; 0;42781
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 10; 3203.3; 06-MAY-2010 19:17:09; Bright; 39.0; 60; 7Bet UMi ; 2.08; 3950;occ; 78; 0;42781
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 12; 3965.2; 06-MAY-2010 19:29:51; Bright; 34.0; 74; 11Bet Cas ; 2.27; 6600;occ; 68; 0;42781
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 16; 2754.9; 07-MAY-2010 01:52:04; Bright; 36.5; 39; 85Eta UMa ; 1.85; 24000;occ; 73; 0;42785
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 22; 4803.0; 07-MAY-2010 02:26:12; Dark ; 50.5; 90; 54Alp Peg ; 2.49; 11000;occ; 101; 0;42785
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27; 6723.5; 07-MAY-2010 02:58:13; Dark ; 44.5; 141; Bet Ara ; 2.84; 4600;occ; 89; 0;42786
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34; 7760.8; 07-MAY-2010 03:15:30; Bright; 43.5; 104; 27Bet Lib ; 2.61; 13100;occ; 87; 0;42786
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36; 8453.8; 07-MAY-2010 03:27:03; Bright; 45.0; 83; ; 2.38; 11000;occ; 90; 0;42786
37; 8638.5; 07-MAY-2010 03:30:08; Bright; 58.0; 180; 27Gam Boo ; 3.04; 8000;occ; 116; 0;42786
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3; 3800.6; 07-MAY-2010 03:50:06; Bright; 44.5; 89; 5Alp Cep ; 2.45; 8000;occ; 89; 0;42786
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5; 4552.4; 07-MAY-2010 04:02:37; Dark ; 50.5; 93; 53Bet Peg ; 2.52; 3100;occ; 101; 0;42786
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13; 6970.0; 07-MAY-2010 04:42:55; Dark ; 41.0; 115; 34Ups Sco ; 2.70; 26000;occ; 82; 0;42787
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19; 8259.1; 07-MAY-2010 05:04:24; Bright; 36.5; 111; 8Eta Boo ; 2.68; 6000;occ; 73; 0;42787
20; 8453.6; 07-MAY-2010 05:07:39; Bright; 44.5; 83; ; 2.38; 11000;occ; 89; 0;42787
21; 8638.2; 07-MAY-2010 05:10:43; Bright; 40.5; 180; 27Gam Boo ; 3.04; 8000;occ; 81; 0;42787
22; 8790.4; 07-MAY-2010 05:13:15; Bright; 35.5; 39; 85Eta UMa ; 1.85; 24000;occ; 71; 0;42787
23; 8877.6; 07-MAY-2010 05:14:42; Bright; 37.0; 55; 79Zet UMa ; 2.06; 10200;occ; 74; 0;42787
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9; 688.7; 07-MAY-2010 06:19:26; Dark ; 54.0; 141; Bet Ara ; 2.84; 4600;occ; 108; 0;42788
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11; 935.0; 07-MAY-2010 06:23:32; Dark ; 43.0; 115; 34Ups Sco ; 2.70; 26000;occ; 86; 0;42788
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19; 2601.6; 07-MAY-2010 06:51:19; Bright; 41.0; 180; 27Gam Boo ; 3.04; 8000;occ; 82; 0;42788
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3; 1338.4; 07-MAY-2010 19:55:03; Dark ; 53.0; 156; 20Sig Sco ; 2.90; 28000;occ; 106; 0;42796
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6; 693.7; 07-MAY-2010 21:24:54; Dark ; 50.0; 141; Bet Ara ; 2.84; 4600;occ; 100; 0;42797
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17; 2753.0; 07-MAY-2010 23:39:49; Bright; 37.5; 39; 85Eta UMa ; 1.85; 24000;occ; 75; 0;42798
18; 3152.4; 07-MAY-2010 23:46:29; Bright; 44.0; 119; 14Eta Dra ; 2.73; 4700;occ; 88; 0;42798
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 6; 2754.4; 07-MAY-2010 08:34:27; Bright; 37.5; 39; 85Eta UMa ; 1.85; 24000;occ; 75; 0;42789
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 7; 3799.0; 07-MAY-2010 10:32:28; Bright; 55.5; 89; 5Alp Cep ; 2.45; 8000;occ; 111; 0;42790
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16; 6858.3; 07-MAY-2010 11:23:27; Dark ; 52.0; 40; The Sco ; 1.86; 7100;occ; 104; 0;42791
17; 6968.3; 07-MAY-2010 11:25:17; Dark ; 25.0; 25; 35Lam Sco ; 1.62; 28000;occ; 50; 0;42791
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 5; 2754.1; 07-MAY-2010 11:55:39; Bright; 39.0; 39; 85Eta UMa ; 1.85; 24000;occ; 78; 0;42791
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13; 5942.1; 07-MAY-2010 12:48:47; Dark ; 45.5; 31; Alp Gru ; 1.73; 15200;occ; 91; 0;42791
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 18; 5944.7; 07-MAY-2010 19:31:13; Dark ; 51.0; 31; Alp Gru ; 1.73; 15200;occ; 102; 0;42795
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 17; 2752.9; 08-MAY-2010 01:20:25; Bright; 38.0; 39; 85Eta UMa ; 1.85; 24000;occ; 76; 0;42799
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 13; 1724.9; 08-MAY-2010 02:43:53; Bright; 44.5; 104; 27Bet Lib ; 2.61; 13100;occ; 89; 0;42800
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9; 696.3; 08-MAY-2010 04:07:20; Dark ; 44.5; 141; Bet Ara ; 2.84; 4600;occ; 89; 0;42801
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23; 7471.7; 10-MAY-2010 11:39:25; Dark ; 62.5; 80; 7Del Sco ; 2.32; 30000;occ; 125; 0;42834
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8; 3782.9; 10-MAY-2010 12:18:33; Bright; 43.5; 89; 5Alp Cep ; 2.45; 8000;occ; 87; 0;42834
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11; 4741.3; 10-MAY-2010 12:34:31; Dark ; 41.0; 140; 88Gam Peg ; 2.83; 26000;occ; 82; 0;42834
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22; 7358.9; 10-MAY-2010 13:18:09; Dark ; 63.5; 16; 21Alp Sco ; 1.02; 3000;occ; 127; 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
4; 2401.7; 10-MAY-2010 13:36:07; Bright; 39.5; 83; ; 2.38; 11000;occ; 79; 0;42835
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5; 1606.2; 10-MAY-2010 16:44:04; Bright; 38.5; 122; 9Alp2Lib ; 2.75; 9700;occ; 77; 0;42837
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7; 2400.5; 10-MAY-2010 18:37:54; Bright; 58.0; 83; ; 2.38; 11000;occ; 116; 0;42838
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23; 6761.6; 11-MAY-2010 20:59:34; Dark ; 54.0; 141; Bet Ara ; 2.84; 4600;occ; 108; 0;42854
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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
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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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 7; 3771.7; 12-MAY-2010 09:34:32; Bright; 46.0; 89; 5Alp Cep ; 2.45; 8000;occ; 92; 0;42861
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3; 1506.0; 15-MAY-2010 17:25:30; Bright; 47.5; 97; 8Bet1Sco ; 2.56; 30000;occ; 95; 0;42909
4; 1727.0; 15-MAY-2010 17:29:11; Bright; 39.5; 104; 27Bet Lib ; 2.61; 13100;occ; 79; 0;42909
5; 1858.3; 15-MAY-2010 17:31:23; Bright; 50.0; 120; 1Del Oph ; 2.73; 3200;occ; 100; 0;42909
6; 2049.0; 15-MAY-2010 17:34:33; Bright; 44.0; 102; 24Alp Ser ; 2.60; 4250;occ; 88; 0;42909
7; 2383.9; 15-MAY-2010 17:40:08; Bright; 41.5; 83; ; 2.38; 11000;occ; 83; 0;42909
8; 2571.9; 15-MAY-2010 17:43:16; Bright; 38.5; 180; 27Gam Boo ; 3.04; 8000;occ; 77; 0;42909
9; 3095.2; 15-MAY-2010 17:52:00; Bright; 39.5; 119; 14Eta Dra ; 2.73; 4700;occ; 79; 0;42909
10; 3751.6; 15-MAY-2010 18:02:56; Bright; 44.5; 89; 5Alp Cep ; 2.45; 8000;occ; 89; 0;42909
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12; 4577.6; 15-MAY-2010 18:16:42; Dark ; 61.0; 93; 53Bet Peg ; 2.52; 3100;occ; 122; 0;42909
13; 4762.0; 15-MAY-2010 18:19:46; Dark ; 42.0; 140; 88Gam Peg ; 2.83; 26000;occ; 84; 0;42909
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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7; 1857.9; 15-MAY-2010 19:11:58; Bright; 50.0; 120; 1Del Oph ; 2.73; 3200;occ; 100; 0;42910
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
10; 2571.7; 15-MAY-2010 19:23:52; Bright; 38.5; 180; 27Gam Boo ; 3.04; 8000;occ; 77; 0;42910
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
14; 4513.2; 15-MAY-2010 19:56:14; Dark ; 46.5; 58; 21Alp And ; 2.07; 11000;occ; 93; 0;42910
15; 4762.3; 15-MAY-2010 20:00:23; Dark ; 43.0; 140; 88Gam Peg ; 2.83; 26000;occ; 86; 0;42910
16; 4859.0; 15-MAY-2010 20:01:59; Dark ; 54.5; 90; 54Alp Peg ; 2.49; 11000;occ; 109; 0;42910
17; 5675.5; 15-MAY-2010 20:15:36; Dark ; 48.0; 18; 24Alp PsA ; 1.17; 9700;occ; 96; 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
14; 4513.5; 15-MAY-2010 21:36:50; Dark ; 44.0; 58; 21Alp And ; 2.07; 11000;occ; 88; 0;42911
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
20; 4762.6; 15-MAY-2010 23:21:35; Dark ; 44.0; 140; 88Gam Peg ; 2.83; 26000;occ; 88; 0;42912
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
8; 1163.1; 16-MAY-2010 00:02:11; Dark ; 52.5; 75; 26Eps Sco ; 2.29; 4250;occ; 105; 0;42913
9; 1349.3; 16-MAY-2010 00:05:17; Dark ; 63.0; 16; 21Alp Sco ; 1.02; 3000;occ; 126; 0;42913
10; 1506.5; 16-MAY-2010 00:07:55; Bright; 43.5; 97; 8Bet1Sco ; 2.56; 30000;occ; 87; 0;42913

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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 9; 1349.7; 16-MAY-2010 01:45:54; Dark ; 57.5; 16; 21Alp Sco ; 1.02; 3000;occ; 115; 0;42914
 10; 1506.8; 16-MAY-2010 01:48:31; Bright; 59.0; 97; 8Bet1Sco ; 2.56; 30000;occ; 118; 0;42914
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 13; 2047.7; 16-MAY-2010 01:57:32; Bright; 44.5; 102; 24Alp Ser ; 2.60; 4250;occ; 89; 0;42914
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 15; 2570.8; 16-MAY-2010 02:06:15; Bright; 54.0; 180; 27Gam Boo ; 3.04; 8000;occ; 108; 0;42914
 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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 25; 6361.8; 16-MAY-2010 03:09:26; Dark ; 42.0; 45; Alp Pav ; 1.94; 26000;occ; 84; 0;42915
 26; 6794.1; 16-MAY-2010 03:16:38; Dark ; 46.0; 141; Bet Ara ; 2.84; 4600;occ; 92; 0;42915
 27; 6969.1; 16-MAY-2010 03:19:33; Dark ; 32.0; 38; 20Eps Sgr ; 1.84; 11000;occ; 64; 0;42915
 28; 7059.2; 16-MAY-2010 03:21:03; Dark ; 56.0; 25; 35Lam Sco ; 1.62; 28000;occ; 112; 0;42915
 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
 31; 7542.5; 16-MAY-2010 03:29:06; Bright; 48.0; 97; 8Bet1Sco ; 2.56; 30000;occ; 96; 0;42915
 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
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 36; 8606.8; 16-MAY-2010 03:46:51; Bright; 36.5; 180; 27Gam Boo ; 3.04; 8000;occ; 73; 0;42915

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 9; -6.9; 16-MAY-2010 04:44:29; Dark ; 50.0; 31; Alp Gru ; 1.73; 15200;occ; 100; 0;42915
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 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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 14; 1164.5; 16-MAY-2010 05:04:00; Dark ; 52.5; 75; 26Eps Sco ; 2.29; 4250;occ; 105; 0;42916
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 18; 1856.7; 16-MAY-2010 05:15:33; Bright; 50.0; 120; 1Del Oph ; 2.73; 3200;occ; 100; 0;42916
 19; 2046.9; 16-MAY-2010 05:18:43; Bright; 44.5; 102; 24Alp Ser ; 2.60; 4250;occ; 89; 0;42916


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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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16; 2561.3; 21-MAY-2010 22:56:23; Bright; 37.5; 180; 27Gam Boo ; 3.04; 8000;occ; 75; 0;42998
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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22; 4790.4; 21-MAY-2010 23:33:32; Dark ; 45.0; 140; 88Gam Peg ; 2.83; 26000;occ; 90; 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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17; 3055.2; 22-MAY-2010 02:25:49; Bright; 39.0; 119; 14Eta Dra ; 2.73; 4700;occ; 78; 0;43000
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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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 14; 1732.4; 22-MAY-2010 05:24:58; Bright; 38.5; 104; 27Bet Lib ; 2.61; 13100;occ; 77; 0;43002
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 17; 2371.5; 22-MAY-2010 05:35:37; Bright; 53.0; 83; ; 2.38; 11000;occ; 106; 0;43002
 18; 2560.9; 22-MAY-2010 05:38:46; Bright; 36.0; 180; 27Gam Boo ; 3.04; 8000;occ; 72; 0;43002
 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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 12; 3173.5; 22-MAY-2010 20:54:22; Bright; 38.5; 60; 7Bet UMi ; 2.08; 3950;occ; 77; 0;43011
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 4; 2371.1; 22-MAY-2010 10:37:24; Bright; 36.5; 83; ; 2.38; 11000;occ; 73; 0;43005
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 3; 1733.0; 22-MAY-2010 15:28:34; Bright; 37.5; 104; 27Bet Lib ; 2.61; 13100;occ; 75; 0;43008
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17;	3050.1;	22-MAY-2010	22:32:55;	Bright;	42.5;	119;	14Eta Dra	; 2.73;	4700;occ;	85;	0;43012
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16; 4799.9; 23-MAY-2010 19:09:16; Dark ; 45.5; 140; 88Gam Peg ; 2.83; 26000;occ; 91; 0;43024
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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
 5; 810.6; 23-MAY-2010 21:23:58; Dark ; 46.5; 141; Bet Ara ; 2.84; 4600;occ; 93; 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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 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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 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
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 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
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 3; -98.3; 24-MAY-2010 02:10:37; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;43028
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 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
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 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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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
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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
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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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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
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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
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16; 3038.7; 25-MAY-2010 00:50:41; Bright; 38.5; 119; 14Eta Dra ; 2.73; 4700;occ; 77; 0;43042
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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
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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
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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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 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
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 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
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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
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 18; 6850.1; 24-MAY-2010 10:48:49; Dark ; 42.5; 141; Bet Ara ; 2.84; 4600;occ; 85; 0;43034
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 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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 8; 4008.3; 24-MAY-2010 11:42:03; Bright; 55.0; 68; 18Alp Cas ; 2.22; 4500;occ; 110; 0;43034
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 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
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 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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 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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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
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17; 7018.8; 24-MAY-2010 14:12:50; Dark ; 50.0; 40; The Sco ; 1.86; 7100;occ; 100; 0;43036
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 9; 1221.1; 25-MAY-2010 23:48:47; Dark ; 47.0; 75; 26Eps Sco ; 2.29; 4250;occ; 94; 0;43056
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13; 1837.7; 25-MAY-2010 23:59:03; Bright; 42.5; 120; 1Del Oph ; 2.73; 3200;occ; 85; 0;43056
14; 2020.3; 26-MAY-2010 00:02:06; Bright; 39.5; 102; 24Alp Ser ; 2.60; 4250;occ; 79; 0;43056
15; 2384.5; 26-MAY-2010 00:08:10; Bright; 38.0; 67; 5Alp CrB ; 2.22; 11000;occ; 76; 0;43056
16; 3033.6; 26-MAY-2010 00:18:59; Bright; 36.5; 119; 14Eta Dra ; 2.73; 4700;occ; 73; 0;43056
17; 3170.0; 26-MAY-2010 00:21:15; Bright; 37.5; 60; 7Bet UMi ; 2.08; 3950;occ; 75; 0;43056
18; 3935.3; 26-MAY-2010 00:34:01; Bright; 54.0; 76; 27Gam Cas ; 2.30; 30000;occ; 108; 0;43056
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20; 4384.6; 26-MAY-2010 00:41:30; Bright; 39.5; 53; 43Bet And ; 2.05; 3300;occ; 79; 0;43056
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
23; 5343.5; 26-MAY-2010 00:57:29; Dark ; 0.5; 52; 16Bet Cet ; 2.04; 4500;occ; 1; 0;43056
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 2; 420.0; 25-MAY-2010 10:10:38; Dark ; 41.0; 45; Alp Pav ; 1.94; 26000;occ; 82; 0;43048
 3; 820.4; 25-MAY-2010 10:17:18; Dark ; 41.5; 141; Bet Ara ; 2.84; 4600;occ; 83; 0;43048
 4; 989.2; 25-MAY-2010 10:20:07; Dark ; 46.5; 40; The Sco ; 1.86; 7100;occ; 93; 0;43048
 5; 1101.2; 25-MAY-2010 10:21:59; Dark ; 46.0; 115; 34Ups Sco ; 2.70; 26000;occ; 92; 0;43048
 6; 1218.3; 25-MAY-2010 10:23:56; Dark ; 47.5; 75; 26Eps Sco ; 2.29; 4250;occ; 95; 0;43048
 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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2; 1838.0; 25-MAY-2010 10:34:16; Bright; 45.0; 120; 1Del Oph ; 2.73; 3200;occ; 90; 0;43048
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
6; 3170.7; 25-MAY-2010 10:56:29; Bright; 38.5; 60; 7Bet UMi ; 2.08; 3950;occ; 77; 0;43048
7; 3935.6; 25-MAY-2010 11:09:14; Bright; 54.0; 76; 27Gam Cas ; 2.30; 30000;occ; 108; 0;43048
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
10; 4537.2; 25-MAY-2010 11:19:15; Dark ; 48.5; 58; 21Alp And ; 2.07; 11000;occ; 97; 0;43048
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13; 5865.5; 25-MAY-2010 11:41:24; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;43048
14; 6034.6; 25-MAY-2010 11:44:13; Dark ; 59.0; 63; Bet Gru ; 2.15; 2800;occ; 118; 0;43048
15; 6138.3; 25-MAY-2010 11:45:56; Dark ; 46.0; 31; Alp Gru ; 1.73; 15200;occ; 92; 0;43049
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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19; 7137.2; 25-MAY-2010 12:02:35; Dark ; 47.5; 115; 34Ups Sco ; 2.70; 26000;occ; 95; 0;43049
20; 7254.4; 25-MAY-2010 12:04:32; Dark ; 56.5; 75; 26Eps Sco ; 2.29; 4250;occ; 113; 0;43049
21; 7423.4; 25-MAY-2010 12:07:21; Dark ; 59.0; 16; 21Alp Sco ; 1.02; 3000;occ; 118; 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
4; 2369.0; 25-MAY-2010 12:23:43; Bright; 38.5; 83; ; 2.38; 11000;occ; 77; 0;43049
5; 3036.3; 25-MAY-2010 12:34:50; Bright; 41.0; 119; 14Eta Dra ; 2.73; 4700;occ; 82; 0;43049
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
8; 4007.2; 25-MAY-2010 12:51:01; Bright; 40.0; 68; 18Alp Cas ; 2.22; 4500;occ; 80; 0;43049
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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13; 5866.1; 25-MAY-2010 13:22:00; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;43049
14; 6035.3; 25-MAY-2010 13:24:49; Dark ; 53.0; 63; Bet Gru ; 2.15; 2800;occ; 106; 0;43049
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16; 6457.6; 25-MAY-2010 13:31:52; Dark ; 41.0; 45; Alp Pav ; 1.94; 26000;occ; 82; 0;43050
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
20; 7255.1; 25-MAY-2010 13:45:09; Dark ; 49.5; 75; 26Eps Sco ; 2.29; 4250;occ; 99; 0;43050
21; 7423.5; 25-MAY-2010 13:47:57; Dark ; 56.5; 16; 21Alp Sco ; 1.02; 3000;occ; 113; 0;43050
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3; 1838.0; 25-MAY-2010 13:55:28; Bright; 43.0; 120; 1Del Oph ; 2.73; 3200;occ; 86; 0;43050
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
7; 3170.3; 25-MAY-2010 14:17:40; Bright; 42.0; 60; 7Bet UMi ; 2.08; 3950;occ; 84; 0;43050
8; 3935.9; 25-MAY-2010 14:30:26; Bright; 39.5; 76; 27Gam Cas ; 2.30; 30000;occ; 79; 0;43050
9; 4007.5; 25-MAY-2010 14:31:37; Bright; 55.0; 68; 18Alp Cas ; 2.22; 4500;occ; 110; 0;43050
10; 4384.0; 25-MAY-2010 14:37:54; Bright; 39.0; 53; 43Bet And ; 2.05; 3300;occ; 78; 0;43050
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13; 5340.6; 25-MAY-2010 14:53:50; Dark ; 45.5; 52; 16Bet Cet ; 2.04; 4500;occ; 91; 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
17; 6857.5; 25-MAY-2010 15:19:07; Dark ; 41.5; 141; Bet Ara ; 2.84; 4600;occ; 83; 0;43051
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19; 7136.8; 25-MAY-2010 15:23:47; Dark ; 51.0; 25; 35Lam Sco ; 1.62; 28000;occ; 102; 0;43051
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 3; 1736.6; 25-MAY-2010 15:34:22; Bright; 38.5; 104; 27Bet Lib ; 2.61; 13100;occ; 77; 0;43051
 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
 6; 2368.9; 25-MAY-2010 15:44:55; Bright; 36.5; 83; ; 2.38; 11000;occ; 73; 0;43051
 7; 3035.6; 25-MAY-2010 15:56:01; Bright; 41.5; 119; 14Eta Dra ; 2.73; 4700;occ; 83; 0;43051
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 9; 3935.8; 25-MAY-2010 16:11:02; Bright; 54.0; 76; 27Gam Cas ; 2.30; 30000;occ; 108; 0;43051
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 14; 5341.2; 25-MAY-2010 16:34:27; Dark ; 47.0; 52; 16Bet Cet ; 2.04; 4500;occ; 94; 0;43051
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 17; 6459.0; 25-MAY-2010 16:53:05; Dark ; 42.0; 45; Alp Pav ; 1.94; 26000;occ; 84; 0;43052
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 8; 1837.8; 25-MAY-2010 20:37:51; Bright; 45.0; 120; 1Del Oph ; 2.73; 3200;occ; 90; 0;43054
 9; 2020.5; 25-MAY-2010 20:40:54; Bright; 39.5; 102; 24Alp Ser ; 2.60; 4250;occ; 79; 0;43054
 10; 2385.0; 25-MAY-2010 20:46:59; Bright; 40.5; 67; 5Alp CrB ; 2.22; 11000;occ; 81; 0;43054
 11; 3034.5; 25-MAY-2010 20:57:48; Bright; 42.0; 119; 14Eta Dra ; 2.73; 4700;occ; 84; 0;43054
 12; 3170.1; 25-MAY-2010 21:00:04; Bright; 38.0; 60; 7Bet UMi ; 2.08; 3950;occ; 76; 0;43054
 13; 3935.7; 25-MAY-2010 21:12:49; Bright; 54.0; 76; 27Gam Cas ; 2.30; 30000;occ; 108; 0;43054
 14; 4006.8; 25-MAY-2010 21:14:00; Bright; 39.0; 68; 18Alp Cas ; 2.22; 4500;occ; 78; 0;43054
 15; 4384.2; 25-MAY-2010 21:20:18; Bright; 39.5; 53; 43Bet And ; 2.05; 3300;occ; 79; 0;43054
 16; 4538.4; 25-MAY-2010 21:22:52; Dark ; 49.0; 58; 21Alp And ; 2.07; 11000;occ; 98; 0;43054
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 3; 1529.3; 25-MAY-2010 17:11:31; Bright; 41.0; 97; 8Bet1Sco ; 2.56; 30000;occ; 82; 0;43052
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 5; 1838.1; 25-MAY-2010 17:16:40; Bright; 43.0; 120; 1Del Oph ; 2.73; 3200;occ; 86; 0;43052
 6; 2021.4; 25-MAY-2010 17:19:43; Bright; 39.0; 102; 24Alp Ser ; 2.60; 4250;occ; 78; 0;43052
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 10; 3935.4; 25-MAY-2010 17:51:37; Bright; 54.0; 76; 27Gam Cas ; 2.30; 30000;occ; 108; 0;43052
 11; 4007.4; 25-MAY-2010 17:52:49; Bright; 39.0; 68; 18Alp Cas ; 2.22; 4500;occ; 78; 0;43052
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 13; 4537.9; 25-MAY-2010 18:01:40; Dark ; 48.0; 58; 21Alp And ; 2.07; 11000;occ; 96; 0;43052
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 18; 6141.8; 25-MAY-2010 18:28:24; Dark ; 44.0; 31; Alp Gru ; 1.73; 15200;occ; 88; 0;43053
 19; 6459.8; 25-MAY-2010 18:33:42; Dark ; 42.0; 45; Alp Pav ; 1.94; 26000;occ; 84; 0;43053
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 3; 1220.3; 25-MAY-2010 18:46:58; Dark ; 46.5; 75; 26Eps Sco ; 2.29; 4250;occ; 93; 0;43053
 4; 1388.6; 25-MAY-2010 18:49:46; Dark ; 54.0; 16; 21Alp Sco ; 1.02; 3000;occ; 108; 0;43053
 5; 1529.5; 25-MAY-2010 18:52:07; Bright; 44.0; 97; 8Bet1Sco ; 2.56; 30000;occ; 88; 0;43053
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8; 2020.8; 25-MAY-2010 19:00:19; Bright; 39.0; 102; 24Alp Ser ; 2.60; 4250;occ; 78; 0;43053
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21; 6460.1; 25-MAY-2010 20:14:18; Dark ; 42.5; 45; Alp Pav ; 1.94; 26000;occ; 85; 0;43054
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9; 1221.6; 26-MAY-2010 01:29:23; Dark ; 49.5; 75; 26Eps Sco ; 2.29; 4250;occ; 99; 0;43057
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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
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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
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11; 3033.3; 26-MAY-2010 01:59:35; Bright; 40.0; 119; 14Eta Dra ; 2.73; 4700;occ; 80; 0;43057
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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

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 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
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 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
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 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
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 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
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 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
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 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
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 19; 1737.3; 26-MAY-2010 04:59:11; Bright; 39.0; 104; 27Bet Lib ; 2.61; 13100;occ; 78; 0;43059
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 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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 5;-1222.6; 26-MAY-2010 05:50:27; Dark ; 49.0; 140; 88Gam Peg ; 2.83; 26000;occ; 98; 0;43059
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 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
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 11; 825.5; 26-MAY-2010 06:24:35; Dark ; 44.0; 141; Bet Ara ; 2.84; 4600;occ; 88; 0;43060
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14; 6150.3; 26-MAY-2010 11:14:31; Dark ; 50.5; 31; Alp Gru ; 1.73; 15200;occ; 101; 0;43063
15; 6466.5; 26-MAY-2010 11:19:48; Dark ; 42.5; 45; Alp Pav ; 1.94; 26000;occ; 85; 0;43063
16; 6862.5; 26-MAY-2010 11:26:24; Dark ; 40.0; 141; Bet Ara ; 2.84; 4600;occ; 80; 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
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6; 3935.0; 26-MAY-2010 12:18:12; Bright; 37.5; 76; 27Gam Cas ; 2.30; 30000;occ; 75; 0;43063
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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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 14; 6151.7; 26-MAY-2010 12:55:09; Dark ; 45.0; 31; Alp Gru ; 1.73; 15200;occ; 90; 0;43064
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 16; 6863.6; 26-MAY-2010 13:07:00; Dark ; 42.0; 141; Bet Ara ; 2.84; 4600;occ; 84; 0;43064
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 3; 1837.4; 26-MAY-2010 13:23:50; Bright; 43.5; 120; 1Del Oph ; 2.73; 3200;occ; 87; 0;43064
 4; 2020.5; 26-MAY-2010 13:26:53; Bright; 38.5; 102; 24Alp Ser ; 2.60; 4250;occ; 77; 0;43064
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 6; 3031.7; 26-MAY-2010 13:43:44; Bright; 37.0; 119; 14Eta Dra ; 2.73; 4700;occ; 74; 0;43064
 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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 16; 6152.6; 26-MAY-2010 14:35:45; Dark ; 43.0; 31; Alp Gru ; 1.73; 15200;occ; 86; 0;43065
 17; 6468.7; 26-MAY-2010 14:41:01; Dark ; 43.0; 45; Alp Pav ; 1.94; 26000;occ; 86; 0;43065
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 21; 7260.8; 26-MAY-2010 14:54:14; Dark ; 48.0; 75; 26Eps Sco ; 2.29; 4250;occ; 96; 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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 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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 15; 2381.5; 26-MAY-2010 21:55:54; Bright; 42.0; 67; 5Alp CrB ; 2.22; 11000;occ; 84; 0;43069
 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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