

GOMOS Daily Report 03-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	06MAY2010 04:50:20
Data source version	GOMOS/5.00L04
Start time of products	03MAY2010 00:02:17
Stop time of products	03MAY2010 23:56:56
Store outputs in DB	Yes
Nb of level 1b prods	103
Nb of prods with errors	2

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

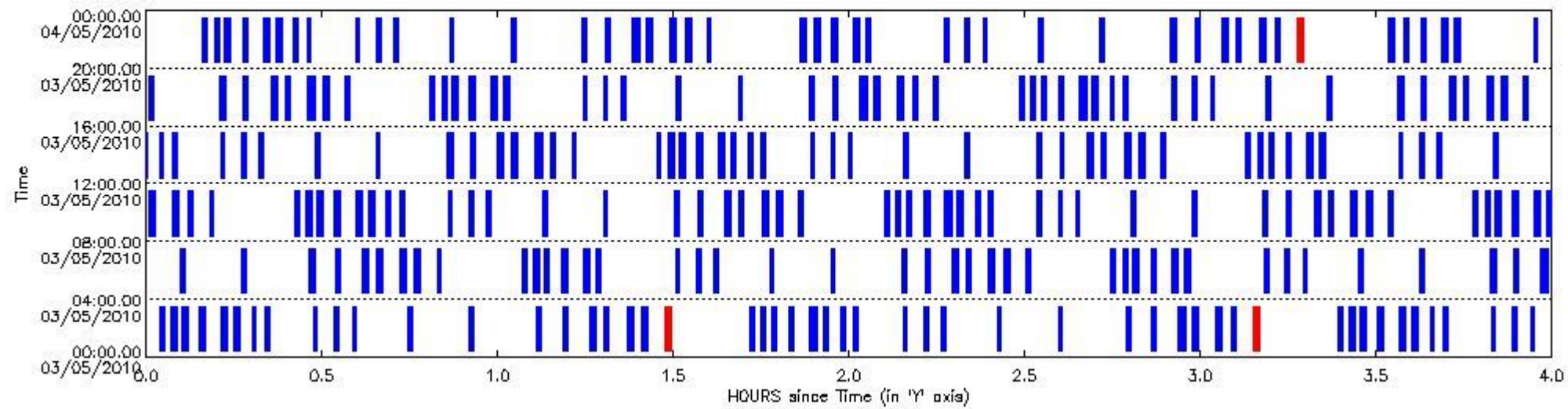
2.1 Level 0 products arrived in PCF (see template [here](#))

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
03-MAY-2010 01:28:31	GamGru	172	42727
03-MAY-2010 03:09:07	GamGru	172	42728
03-MAY-2010 23:16:28	GamGru	172	42740

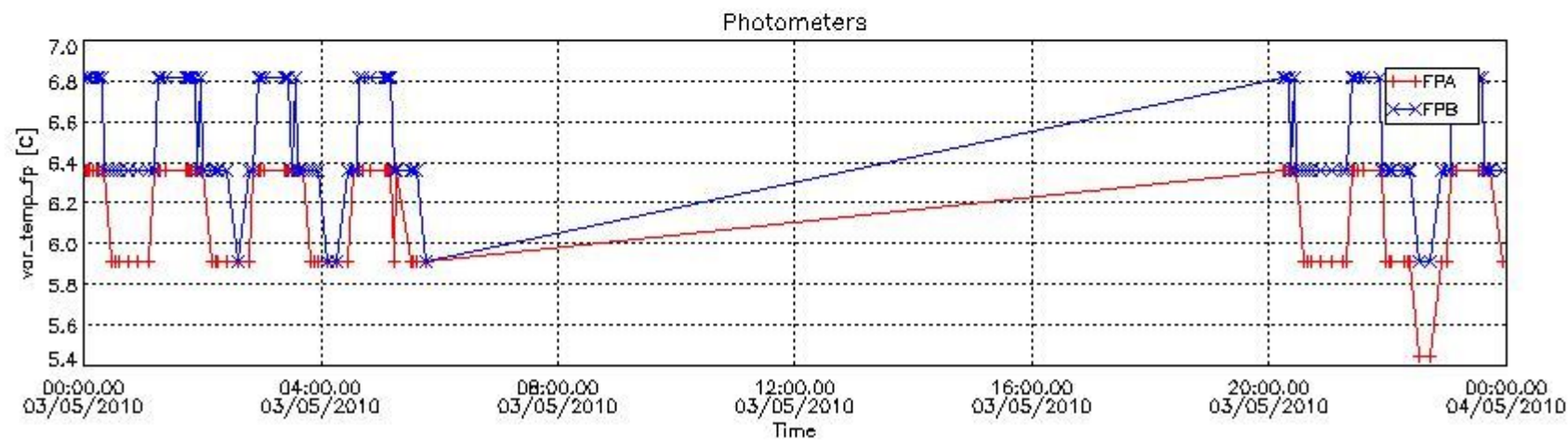
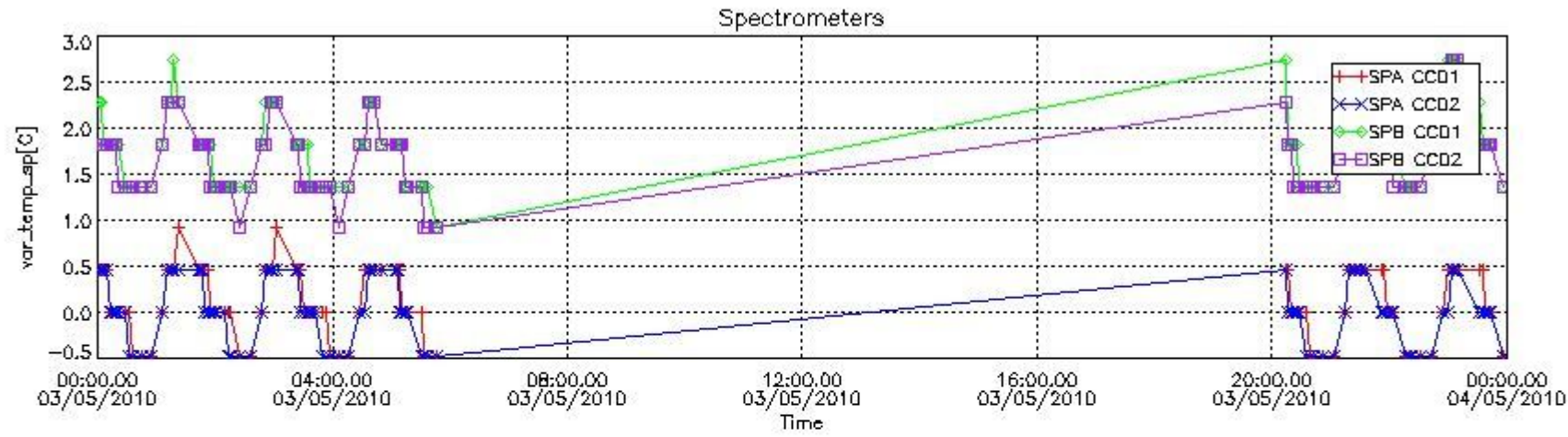
2.4 Summary of processed GOM_TRA_1P products

Nr	Filename	UTC Start time	Limb	Duration	Star Id	Star Name	Star Mag	Star Temp	Nb Meas	Orbit	Prod. error
1	GOM_TRA_1PNPDE20100503_000217_000000442089_00088_42727_8313.N1	03-MAY-2010 00:02:17	Straylight	43.500	141	Bet Ara	2.8400	4600.0	87	42727	No
2	GOM_TRA_1PNPDE20100503_000415_000000552089_00088_42727_8314.N1	03-MAY-2010 00:04:15	Straylight	54.500	40	The Sco	1.8590	7100.0	109	42727	No
3	GOM_TRA_1PNPDE20100503_000602_000000582089_00088_42727_8315.N1	03-MAY-2010 00:06:02	Straylight	58.000	25	35Lam Sco	1.6200	28000.	116	42727	No
4	GOM_TRA_1PNPDE20100503_000903_000000602089_00088_42727_8316.N1	03-MAY-2010 00:09:03	Straylight	60.000	75	26Eps Sco	2.2910	4250.0	120	42727	No
5	GOM_TRA_1PNPDE20100503_001243_000000672089_00088_42727_8317.N1	03-MAY-2010 00:12:43	Twilight_stray	67.000	16	21Alp Sco	1.0200	3000.0	134	42727	No
6	GOM_TRA_1PNPDE20100503_001453_000000602089_00088_42727_8318.N1	03-MAY-2010 00:14:53	Twilight_stray	59.500	80	7Del Sco	2.3160	30000.	119	42727	No
7	GOM_TRA_1PNPDE20100503_001758_000000432089_00088_42727_8319.N1	03-MAY-2010 00:17:58	Bright	42.500	122	9Alp2Lib	2.7470	9700.0	85	42727	No
8	GOM_TRA_1PNPDE20100503_002011_000000492089_00088_42727_8320.N1	03-MAY-2010 00:20:11	Bright	48.500	104	27Bet Lib	2.6140	13100.	97	42727	No

9	GOM_TRA_1PNPDE20100503_002834_000000382089_00088_42727_8321.N1	03-MAY-2010 00:28:34	Bright	37.500	111	8Eta Boo	2.6800	6000.0	75	42727	No
10	GOM_TRA_1PNPDE20100503_003208_000000442089_00088_42727_8322.N1	03-MAY-2010 00:32:08	Bright	44.000	83		2.3780	11000.	88	42727	No
11	GOM_TRA_1PNPDE20100503_003509_000000412089_00088_42727_8323.N1	03-MAY-2010 00:35:09	Bright	41.000	180	27Gam Boo	3.0400	8000.0	82	42727	No
12	GOM_TRA_1PNPDE20100503_004439_000000432089_00088_42727_8324.N1	03-MAY-2010 00:44:39	Bright	43.000	119	14Eta Dra	2.7270	4700.0	86	42727	No
13	GOM_TRA_1PNPDE20100503_005505_000000442089_00088_42727_8325.N1	03-MAY-2010 00:55:05	Bright	43.500	89	5Alp Cep	2.4510	8000.0	87	42727	No
14	GOM_TRA_1PNPDE20100503_010638_000000492089_00088_42727_8326.N1	03-MAY-2010 01:06:38	Bright	48.500	164	44Eta Peg	2.9480	5400.0	97	42727	No
15	GOM_TRA_1PNPDE20100503_011107_000000442089_00088_42727_8327.N1	03-MAY-2010 01:11:07	Twilight	43.500	90	54Alp Peg	2.4870	11000.	87	42727	No
16	GOM_TRA_1PNPDE20100503_011540_000000682089_00088_42727_8328.N1	03-MAY-2010 01:15:40	Dark	68.000	61	8Eps Peg	2.1000	3900.0	136	42727	No
17	GOM_TRA_1PNPDE20100503_011805_000000562089_00088_42727_8329.N1	03-MAY-2010 01:18:05	Dark	55.500	162	34Alp Aqr	2.9440	5350.0	111	42727	Yes
18	GOM_TRA_1PNPDE20100503_012200_000000652089_00088_42727_8330.N1	03-MAY-2010 01:22:00	Dark	65.000	154	22Bet Aqr	2.8990	5700.0	130	42727	No
19	GOM_TRA_1PNPDE20100503_014254_000000532089_00089_42728_8331.N1	03-MAY-2010 01:42:54	Straylight	52.500	141	Bet Ara	2.8400	4600.0	105	42728	No
20	GOM_TRA_1PNPDE20100503_014452_000000562089_00089_42728_8332.N1	03-MAY-2010 01:44:52	Straylight	55.500	40	The Sco	1.8590	7100.0	111	42728	No
21	GOM_TRA_1PNPDE20100503_014639_000000572089_00089_42728_8333.N1	03-MAY-2010 01:46:39	Straylight	56.500	25	35Lam Sco	1.6200	28000.	113	42728	No
22	GOM_TRA_1PNPDE20100503_014940_000000602089_00089_42728_8334.N1	03-MAY-2010 01:49:40	Straylight	59.500	75	26Eps Sco	2.2910	4250.0	119	42728	No
23	GOM_TRA_1PNPDE20100503_015319_000000672089_00089_42728_8335.N1	03-MAY-2010 01:53:19	Twilight	67.000	16	21Alp Sco	1.0200	3000.0	134	42728	No
24	GOM_TRA_1PNPDE20100503_015529_000000592089_00089_42728_8336.N1	03-MAY-2010 01:55:29	Twilight	59.000	80	7Del Sco	2.3160	30000.	118	42728	No
25	GOM_TRA_1PNPDE20100503_015834_000000452089_00089_42728_8337.N1	03-MAY-2010 01:58:34	Bright	45.000	122	9Alp2Lib	2.7470	9700.0	90	42728	No
26	GOM_TRA_1PNPDE20100503_020047_000000492089_00089_42728_8338.N1	03-MAY-2010 02:00:47	Bright	49.000	104	27Bet Lib	2.6140	13100.	98	42728	No
27	GOM_TRA_1PNPDE20100503_020910_000000392089_00089_42728_8339.N1	03-MAY-2010 02:09:10	Bright	38.500	111	8Eta Boo	2.6800	6000.0	77	42728	No
28	GOM_TRA_1PNPDE20100503_021243_000000442089_00089_42728_8340.N1	03-MAY-2010 02:12:43	Bright	43.500	83		2.3780	11000.	87	42728	No
29	GOM_TRA_1PNPDE20100503_021545_000000402089_00089_42728_8341.N1	03-MAY-2010 02:15:45	Bright	39.500	180	27Gam Boo	3.0400	8000.0	79	42728	No
30	GOM_TRA_1PNPDE20100503_022514_000000452089_00089_42728_8342.N1	03-MAY-2010 02:25:14	Bright	44.500	119	14Eta Dra	2.7270	4700.0	89	42728	No
31	GOM_TRA_1PNPDE20100503_023540_000000442089_00089_42728_8364.N1	03-MAY-2010 02:35:40	Bright	44.000	89	5Alp Cep	2.4510	8000.0	88	42728	No
32	GOM_TRA_1PNPDE20100503_024714_000000502089_00089_42728_8365.N1	03-MAY-2010 02:47:14	Bright	49.500	164	44Eta Peg	2.9480	5400.0	99	42728	No
33	GOM_TRA_1PNPDE20100503_025144_000000462089_00089_42728_8366.N1	03-MAY-2010 02:51:44	Twilight	45.500	90	54Alp Peg	2.4870	11000.	91	42728	No
34	GOM_TRA_1PNPDE20100503_025617_000000662089_00089_42728_8367.N1	03-MAY-2010 02:56:17	Dark	66.000	61	8Eps Peg	2.1000	3900.0	132	42728	No
35	GOM_TRA_1PNPDE20100503_025841_000000562089_00089_42728_8368.N1	03-MAY-2010 02:58:41	Dark	55.500	162	34Alp Aqr	2.9440	5350.0	111	42728	No
36	GOM_TRA_1PNPDE20100503_030237_000000612089_00089_42728_8369.N1	03-MAY-2010 03:02:37	Dark	61.000	154	22Bet Aqr	2.8990	5700.0	122	42728	No
37	GOM_TRA_1PNPDE20100503_032330_000000532089_00090_42729_8370.N1	03-MAY-2010 03:23:30	Straylight	53.000	141	Bet Ara	2.8400	4600.0	106	42729	No
38	GOM_TRA_1PNPDE20100503_032529_000000542089_00090_42729_8371.N1	03-MAY-2010 03:25:29	Straylight	53.500	40	The Sco	1.8590	7100.0	107	42729	No
39	GOM_TRA_1PNPDE20100503_032716_000000632089_00090_42729_8372.N1	03-MAY-2010 03:27:16	Straylight	63.000	25	35Lam Sco	1.6200	28000.	126	42729	No
40	GOM_TRA_1PNPDE20100503_033016_000000612089_00090_42729_8373.N1	03-MAY-2010 03:30:16	Straylight	60.500	75	26Eps Sco	2.2910	4250.0	121	42729	No
41	GOM_TRA_1PNPDE20100503_033356_000000702089_00090_42729_8374.N1	03-MAY-2010 03:33:56	Twilight	69.500	16	21Alp Sco	1.0200	3000.0	139	42729	No
42	GOM_TRA_1PNPDE20100503_033606_000000562089_00090_42729_8375.N1	03-MAY-2010 03:36:06	Twilight	55.500	80	7Del Sco	2.3160	30000.	111	42729	No
43	GOM_TRA_1PNPDE20100503_033910_000000462089_00090_42729_8376.N1	03-MAY-2010 03:39:10	Bright	45.500	122	9Alp2Lib	2.7470	9700.0	91	42729	No
44	GOM_TRA_1PNPDE20100503_034123_000000472089_00090_42729_8377.N1	03-MAY-2010 03:41:23	Bright	47.000	104	27Bet Lib	2.6140	13100.	94	42729	No
45	GOM_TRA_1PNPDE20100503_034946_000000382089_00090_42729_8378.N1	03-MAY-2010 03:49:46	Bright	37.500	111	8Eta Boo	2.6800	6000.0	75	42729	No
46	GOM_TRA_1PNPDE20100503_035319_000000472089_00090_42729_8379.N1	03-MAY-2010 03:53:19	Bright	47.000	83		2.3780	11000.	94	42729	No
47	GOM_TRA_1PNPDE20100503_035620_000000422089_00090_42729_8380.N1	03-MAY-2010 03:56:20	Bright	41.500	180	27Gam Boo	3.0400	8000.0	83	42729	No
48	GOM_TRA_1PNPDE20100503_040550_000000442089_00090_42729_8381.N1	03-MAY-2010 04:05:50	Bright	44.000	119	14Eta Dra	2.7270	4700.0	88	42729	No
49	GOM_TRA_1PNPDE20100503_041616_000000412089_00090_42729_8389.N1	03-MAY-2010 04:16:16	Bright	40.500	89	5Alp Cep	2.4510	8000.0	81	42729	No
50	GOM_TRA_1PNPDE20100503_042749_000000522089_00090_42729_8390.N1	03-MAY-2010 04:27:49	Bright	52.000	164	44Eta Peg	2.9480	5400.0	104	42729	No
51	GOM_TRA_1PNPDE20100503_043220_000000452089_00090_42729_8391.N1	03-MAY-2010 04:32:20	Twilight	45.000	90	54Alp Peg	2.4870	11000.	90	42729	No
52	GOM_TRA_1PNPDE20100503_043654_000000682089_00090_42729_8392.N1	03-MAY-2010 04:36:54	Dark	67.500	61	8Eps Peg	2.1000	3900.0	135	42729	No
53	GOM_TRA_1PNPDE20100503_043918_000000572089_00090_42729_8393.N1	03-MAY-2010 04:39:18	Dark	56.500	162	34Alp Aqr	2.9440	5350.0	113	42729	No
54	GOM_TRA_1PNPDE20100503_044315_000000622089_00090_42729_8394.N1	03-MAY-2010 04:43:15	Dark	61.500	154	22Bet Aqr	2.8990	5700.0	123	42729	No
55	GOM_TRA_1PNPDE20100503_044936_000000412089_00090_42729_8395.N1	03-MAY-2010 04:49:36	Dark	40.500	172	Gam Gru	3.0030	13100.	81	42729	No
56	GOM_TRA_1PNPDE20100503_050407_000000522089_00091_42730_8396.N1	03-MAY-2010 05:04:07	Straylight	52.000	141	Bet Ara	2.8400	4600.0	104	42730	No
57	GOM_TRA_1PNPDE20100503_050605_000000572089_00091_42730_8397.N1	03-MAY-2010 05:06:05	Straylight	57.000	40	The Sco	1.8590	7100.0	114	42730	No
58	GOM_TRA_1PNPDE20100503_050753_000000562089_00091_42730_8398.N1	03-MAY-2010 05:07:53	Straylight	55.500	25	35Lam Sco	1.6200	28000.	111	42730	No
59	GOM_TRA_1PNPDE20100503_051053_000000612089_00091_42730_8399.N1	03-MAY-2010 05:10:53	Straylight	61.000	75	26Eps Sco	2.2910	4250.0	122	42730	No
60	GOM_TRA_1PNPDE20100503_051432_000000672089_00091_42730_8400.N1	03-MAY-2010 05:14:32	Twilight	67.000	16	21Alp Sco	1.0200	3000.0	134	42730	No
61	GOM_TRA_1PNPDE20100503_051642_000000582089_00091_42730_8401.N1	03-MAY-2010 05:16:42	Twilight	58.000	80	7Del Sco	2.3160	30000.	116	42730	No
62	GOM_TRA_1PNPDE20100503_053022_000000382089_00091_42730_8402.N1	03-MAY-2010 05:30:22	Bright	37.500	111	8Eta Boo	2.6800	6000.0	75	42730	No
63	GOM_TRA_1PNPDE20100503_053354_000000482089_00091_42730_8403.N1	03-MAY-2010 05:33:54	Bright	47.500	83		2.3780	11000.	95	42730	No
64	GOM_TRA_1PNPDE20100503_053656_000000412089_00091_42730_8404.N1	03-MAY-2010 05:36:56	Bright	40.500	180	27Gam Boo	3.0400	8000.0	81	42730	No
65	GOM_TRA_1PNPDE20100503_054625_000000442089_00091_42730_8405.N1	03-MAY-2010 05:46:25	Bright	43.500	119	14Eta Dra	2.7270	4700.0	87	42730	No
66	GOM_TRA_1PNPDE20100503_201324_000000602089_00100_42739_8657.N1	03-MAY-2010 20:13:24	Straylight	60.000	25	35Lam Sco	1.6200	28000.	120	42739	Yes
67	GOM_TRA_1PNPDE20100503_201623_000000602089_00100_42739_8658.N1	03-MAY-2010 20:16:23	Straylight	59.500	75	26Eps Sco	2.2910	4250.0	119	42739	No

68	GOM_TRA_1PNPDE20100503_202000_000000672089_00100_42739_8659.N1	03-MAY-2010 20:20:00	Twilight	67.000	16	21Alp Sco	1.0200	3000.0	134	42739	No
69	GOM_TRA_1PNPDE20100503_202208_000000602089_00100_42739_8660.N1	03-MAY-2010 20:22:08	Twilight	60.000	80	7Del Sco	2.3160	30000.	120	42739	No
70	GOM_TRA_1PNPDE20100503_202511_000000452089_00100_42739_8661.N1	03-MAY-2010 20:25:11	Bright	44.500	122	9Alp2Lib	2.7470	9700.0	89	42739	No
71	GOM_TRA_1PNPDE20100503_202723_000000462089_00100_42739_8662.N1	03-MAY-2010 20:27:23	Bright	46.000	104	27Bet Lib	2.6140	13100.	92	42739	No
72	GOM_TRA_1PNPDE20100503_203544_000000382089_00100_42739_8663.N1	03-MAY-2010 20:35:44	Bright	38.000	111	8Eta Boo	2.6800	6000.0	76	42739	No
73	GOM_TRA_1PNPDE20100503_203914_000000442089_00100_42739_8664.N1	03-MAY-2010 20:39:14	Bright	44.000	83		2.3780	11000.	88	42739	No
74	GOM_TRA_1PNPDE20100503_204216_000000392089_00100_42739_8665.N1	03-MAY-2010 20:42:16	Bright	39.000	180	27Gam Boo	3.0400	8000.0	78	42739	No
75	GOM_TRA_1PNPDE20100503_205143_000000452089_00100_42739_8666.N1	03-MAY-2010 20:51:43	Bright	44.500	119	14Eta Dra	2.7270	4700.0	89	42739	No
76	GOM_TRA_1PNPDE20100503_210213_000000522089_00100_42739_8667.N1	03-MAY-2010 21:02:13	Bright	52.000	89	5Alp Cep	2.4510	8000.0	104	42739	No
77	GOM_TRA_1PNPDE20100503_211420_000000492089_00100_42739_8668.N1	03-MAY-2010 21:14:20	Bright	48.500	93	53Bet Peg	2.5200	3100.0	97	42739	No
78	GOM_TRA_1PNPDE20100503_211823_000000472089_00100_42739_8669.N1	03-MAY-2010 21:18:23	Twilight	46.500	90	54Alp Peg	2.4870	11000.	93	42739	No
79	GOM_TRA_1PNPDE20100503_212302_000000732089_00100_42739_8670.N1	03-MAY-2010 21:23:02	Dark	73.000	61	8Eps Peg	2.1000	3900.0	146	42739	No
80	GOM_TRA_1PNPDE20100503_212527_000000592089_00100_42739_8678.N1	03-MAY-2010 21:25:27	Dark	59.000	162	34Alp Aqr	2.9440	5350.0	118	42739	No
81	GOM_TRA_1PNPDE20100503_212928_000000632089_00100_42739_8679.N1	03-MAY-2010 21:29:28	Dark	63.000	154	22Bet Aqr	2.8990	5700.0	126	42739	No
82	GOM_TRA_1PNPDE20100503_213543_000000432089_00100_42739_8680.N1	03-MAY-2010 21:35:43	Dark	43.000	172	Gam Gru	3.0030	13100.	86	42739	No
83	GOM_TRA_1PNPDE20100503_215131_000000662089_00101_42740_8681.N1	03-MAY-2010 21:51:31	Straylight	66.000	38	20Eps Sgr	1.8360	11000.	132	42740	No
84	GOM_TRA_1PNPDE20100503_215401_000000572089_00101_42740_8682.N1	03-MAY-2010 21:54:01	Straylight	56.500	25	35Lam Sco	1.6200	28000.	113	42740	No
85	GOM_TRA_1PNPDE20100503_215659_000000582089_00101_42740_8683.N1	03-MAY-2010 21:56:59	Straylight	57.500	75	26Eps Sco	2.2910	4250.0	115	42740	No
86	GOM_TRA_1PNPDE20100503_220037_000000632089_00101_42740_8684.N1	03-MAY-2010 22:00:37	Twilight	62.500	16	21Alp Sco	1.0200	3000.0	125	42740	No
87	GOM_TRA_1PNPDE20100503_220244_000000592089_00101_42740_8685.N1	03-MAY-2010 22:02:44	Twilight	59.000	80	7Del Sco	2.3160	30000.	118	42740	No
88	GOM_TRA_1PNPDE20100503_221620_000000382089_00101_42740_8686.N1	03-MAY-2010 22:16:20	Bright	38.000	111	8Eta Boo	2.6800	6000.0	76	42740	No
89	GOM_TRA_1PNPDE20100503_221949_000000442089_00101_42740_8687.N1	03-MAY-2010 22:19:49	Bright	43.500	83		2.3780	11000.	87	42740	No
90	GOM_TRA_1PNPDE20100503_222251_000000412089_00101_42740_8688.N1	03-MAY-2010 22:22:51	Bright	40.500	180	27Gam Boo	3.0400	8000.0	81	42740	No
91	GOM_TRA_1PNPDE20100503_223218_000000452089_00101_42740_8689.N1	03-MAY-2010 22:32:18	Bright	45.000	119	14Eta Dra	2.7270	4700.0	90	42740	No
92	GOM_TRA_1PNPDE20100503_224249_000000452089_00101_42740_8690.N1	03-MAY-2010 22:42:49	Bright	44.500	89	5Alp Cep	2.4510	8000.0	89	42740	No
93	GOM_TRA_1PNPDE20100503_225456_000000512089_00101_42740_8691.N1	03-MAY-2010 22:54:56	Bright	50.500	93	53Bet Peg	2.5200	3100.0	101	42740	No
94	GOM_TRA_1PNPDE20100503_225859_000000492089_00101_42740_8692.N1	03-MAY-2010 22:58:59	Twilight	48.500	90	54Alp Peg	2.4870	11000.	97	42740	No
95	GOM_TRA_1PNPDE20100503_230339_000000702089_00101_42740_8693.N1	03-MAY-2010 23:03:39	Dark	69.500	61	8Eps Peg	2.1000	3900.0	139	42740	No
96	GOM_TRA_1PNPDE20100503_230603_000000562089_00101_42740_8694.N1	03-MAY-2010 23:06:03	Dark	55.500	162	34Alp Aqr	2.9440	5350.0	111	42740	No
97	GOM_TRA_1PNPDE20100503_231005_000000652089_00101_42740_8539.N1	03-MAY-2010 23:10:05	Dark	65.000	154	22Bet Aqr	2.8990	5700.0	130	42740	No
98	GOM_TRA_1PNPDE20100503_233209_000000652089_00102_42741_8540.N1	03-MAY-2010 23:32:09	Straylight	64.500	38	20Eps Sgr	1.8360	11000.	129	42741	No
99	GOM_TRA_1PNPDE20100503_233438_000000582089_00102_42741_8541.N1	03-MAY-2010 23:34:38	Straylight	58.000	25	35Lam Sco	1.6200	28000.	116	42741	No
100	GOM_TRA_1PNPDE20100503_233736_000000592089_00102_42741_8542.N1	03-MAY-2010 23:37:36	Straylight	58.500	75	26Eps Sco	2.2910	4250.0	117	42741	No
101	GOM_TRA_1PNPDE20100503_234113_000000672089_00102_42741_8543.N1	03-MAY-2010 23:41:13	Twilight	66.500	16	21Alp Sco	1.0200	3000.0	133	42741	No
102	GOM_TRA_1PNPDE20100503_234320_000000612089_00102_42741_8544.N1	03-MAY-2010 23:43:20	Twilight	60.500	80	7Del Sco	2.3160	30000.	121	42741	No
103	GOM_TRA_1PNPDE20100503_235656_000000382089_00102_42741_8545.N1	03-MAY-2010 23:56:56	Bright	37.500	111	8Eta Boo	2.6800	6000.0	75	42741	No

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



4. Overview of dark signal processing per product

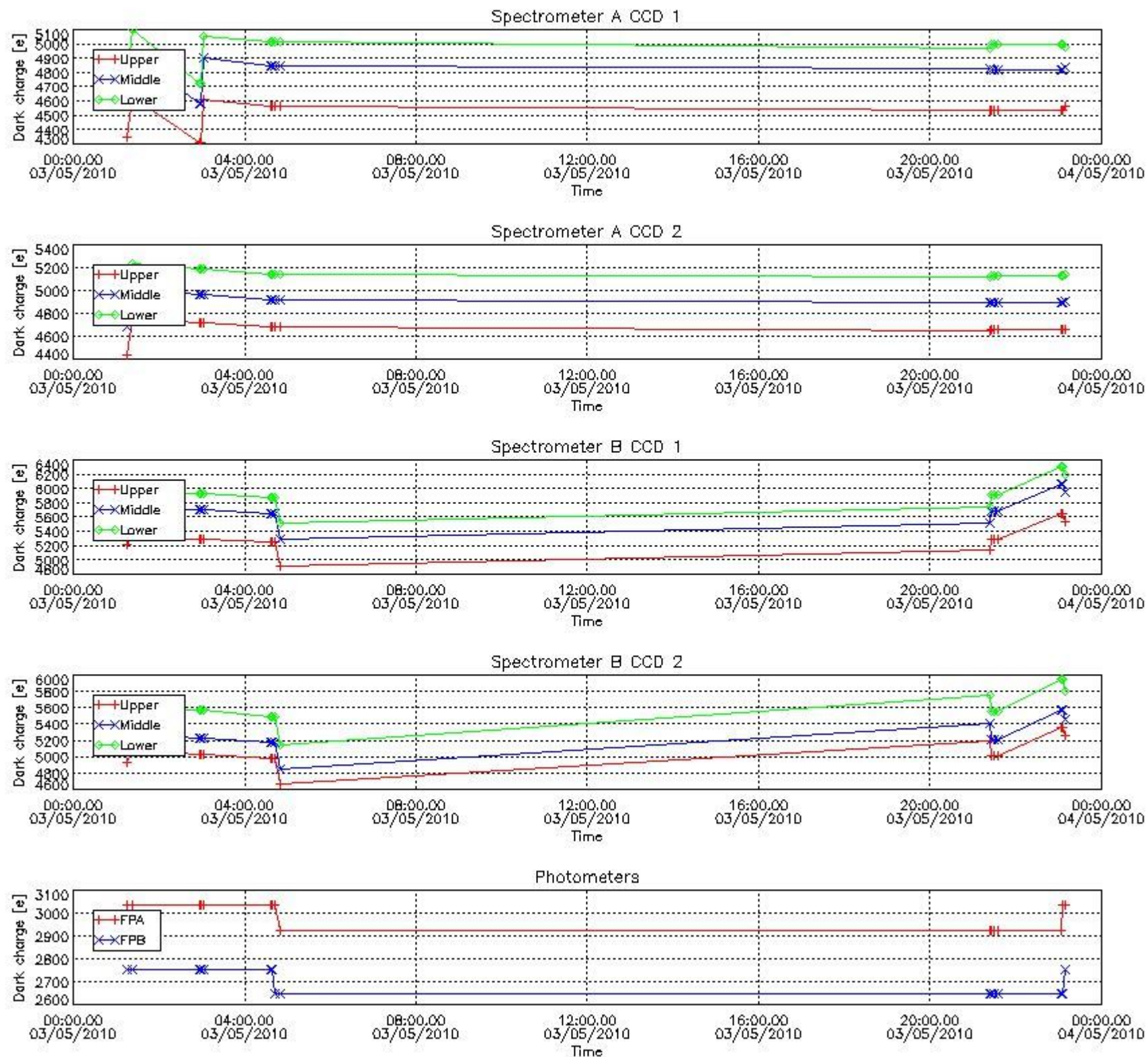
The Dark Charge (DC) is a temperature-dependant signal added to the useful measurements and it is therefore subtracted from them during the processing. There are two phenomena that produce a continuous increase of the DC: the "hot pixels" (a pixel is "hot" when its DC exceeds by a significant amount 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_1PNPDE20100503_201324_000000602089_00100_42739_8657.N1	DC map with no T dep.
GOM_TRA_1PNPDE20100503_201623_000000602089_00100_42739_8658.N1	DC map used
GOM_TRA_1PNPDE20100503_202000_000000672089_00100_42739_8659.N1	DC map used
GOM_TRA_1PNPDE20100503_202208_000000602089_00100_42739_8660.N1	DC map used
GOM_TRA_1PNPDE20100503_202511_000000452089_00100_42739_8661.N1	DC map used
GOM_TRA_1PNPDE20100503_202723_000000462089_00100_42739_8662.N1	DC map used
GOM_TRA_1PNPDE20100503_203544_000000382089_00100_42739_8663.N1	DC map used
GOM_TRA_1PNPDE20100503_203914_000000442089_00100_42739_8664.N1	DC map used
GOM_TRA_1PNPDE20100503_204216_000000392089_00100_42739_8665.N1	DC map used
GOM_TRA_1PNPDE20100503_205143_000000452089_00100_42739_8666.N1	DC map used
GOM_TRA_1PNPDE20100503_210213_000000522089_00100_42739_8667.N1	DC map used
GOM_TRA_1PNPDE20100503_211420_000000492089_00100_42739_8668.N1	DC map used
GOM_TRA_1PNPDE20100503_211823_000000472089_00100_42739_8669.N1	DC map used
GOM_TRA_1PNPDE20100503_212302_000000732089_00100_42739_8670.N1	DC map used

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



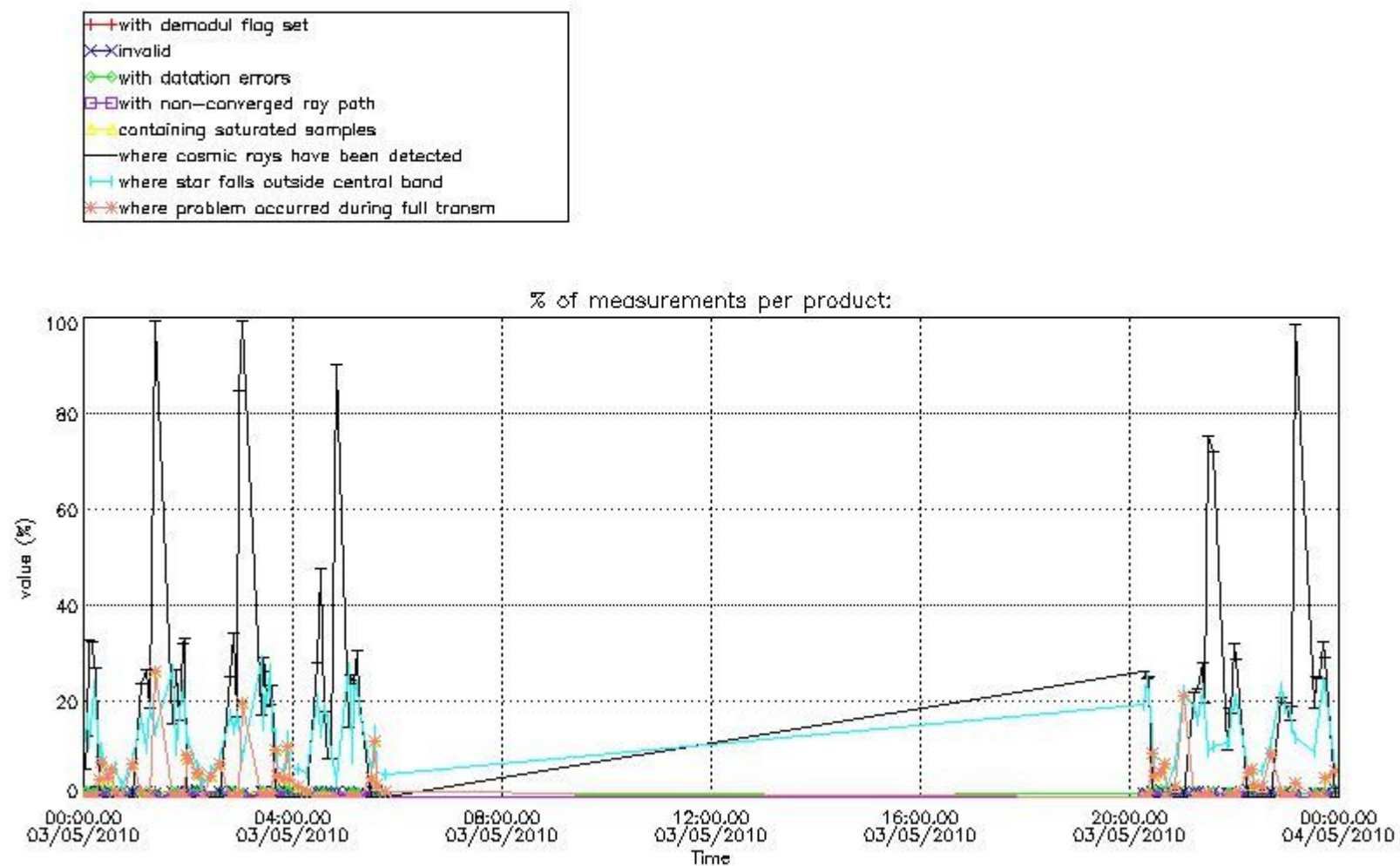
5. Demodulation flag and quality information monitoring

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.

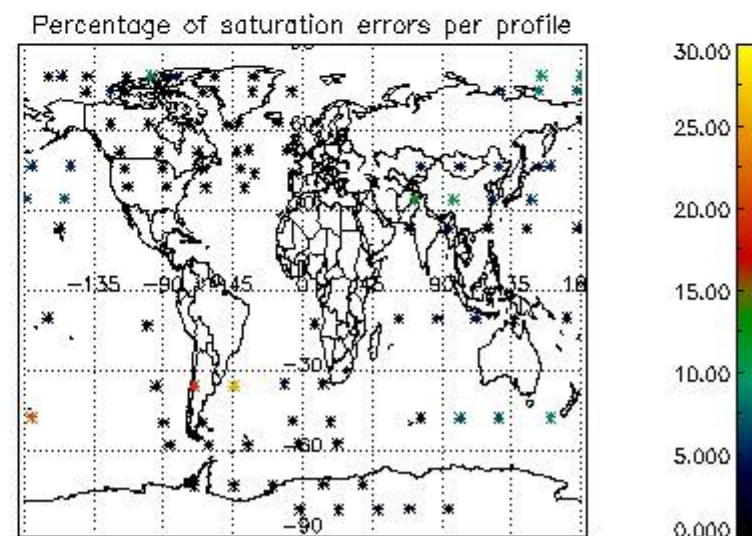
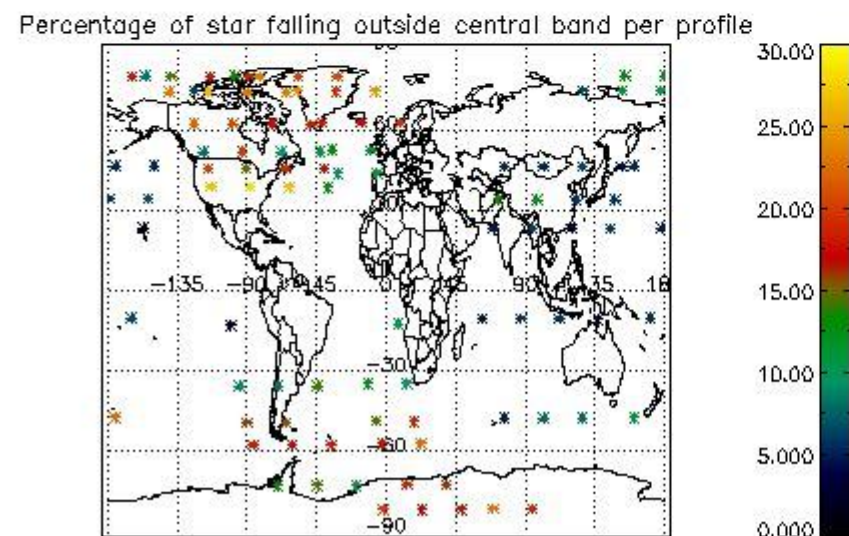
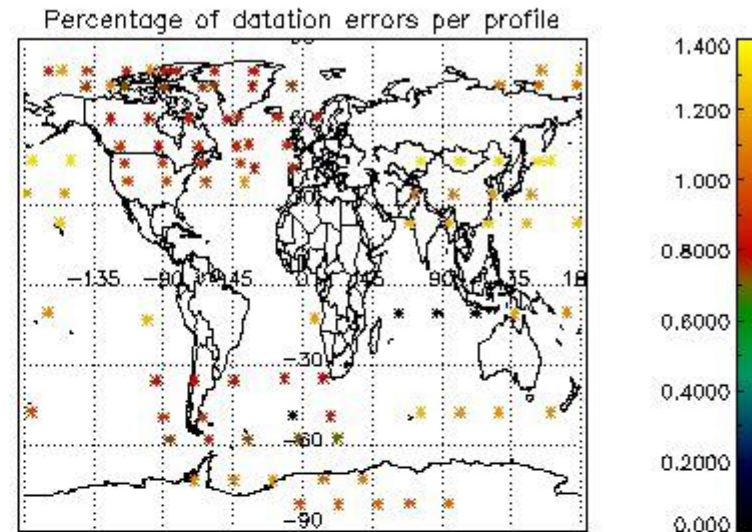
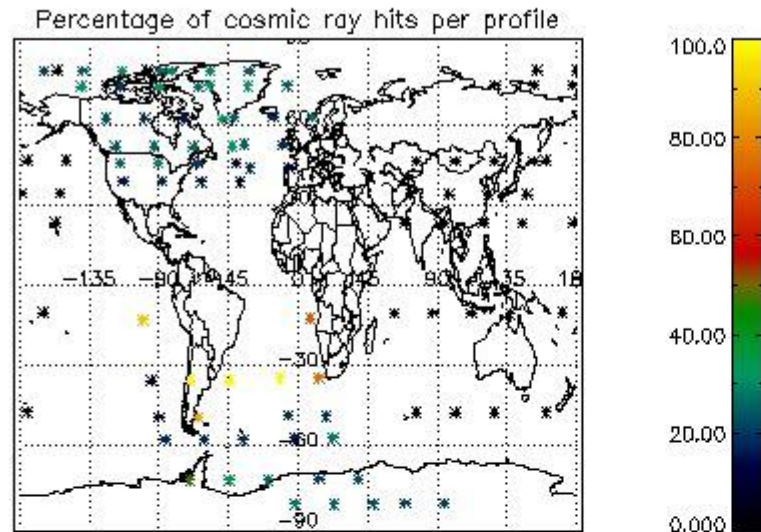
5.1 Percentage of products during reporting period with:

At least one measurement with demodulation flag set:	52.4753 %
Reference spectrum computed from DB:	0.00000 %
Reference spectrum with small number of measurements:	0.00000 %
SATU data not used:	0.00000 %

5.2 Plot quality information per product (time dependant)



5.3 Plot quality information per product (world map)



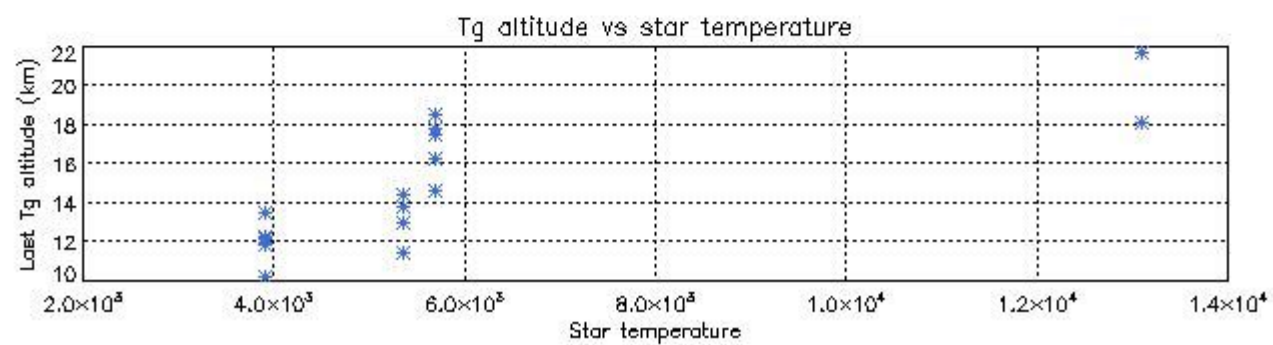
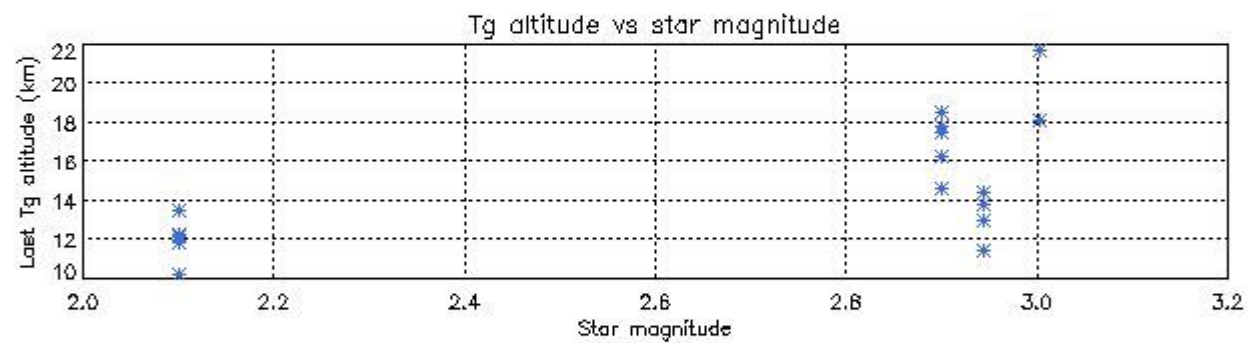
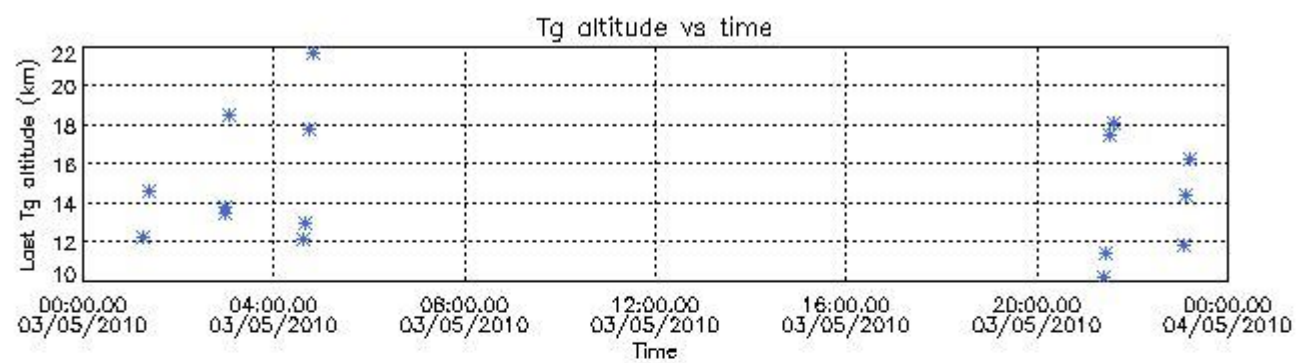
6. Statistics and plot of tangent altitude of the last measurement (DARK & BRIGHT products without errors)

6.1 Statistics on tangent altitude lost:

Statistics	DARK	BRIGHT	TWILIGHT
Mean:	14.812	19.232	13.713
St. deviation:	3.1749	3.9868	1.7259
Maximum:	21.692	25.215	15.909
Minimum:	10.196	10.230	11.353
Number of data:	16.000	43.000	5.0000

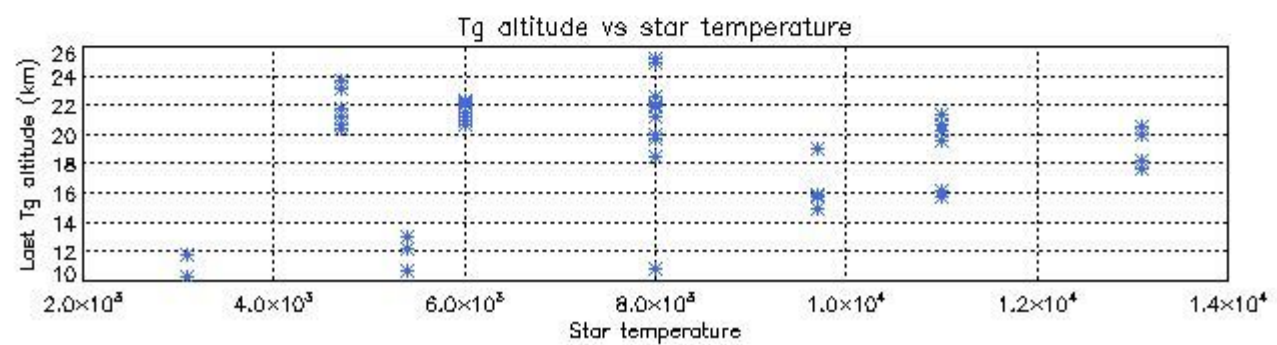
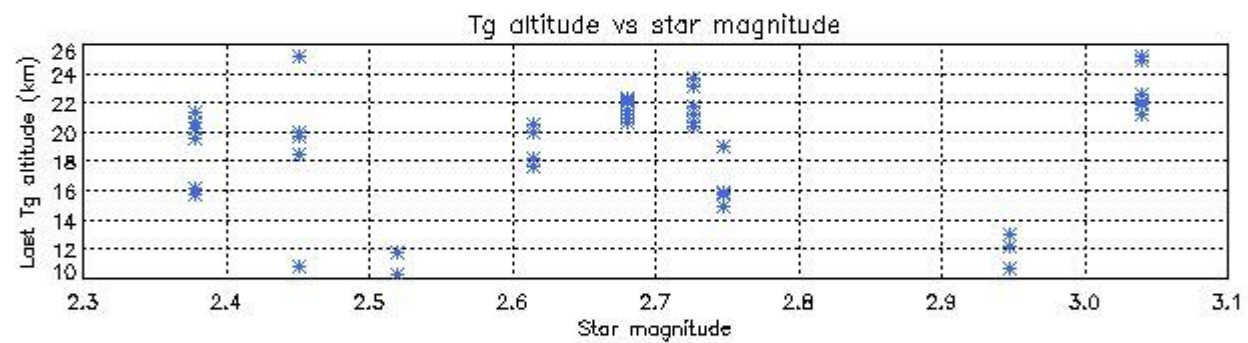
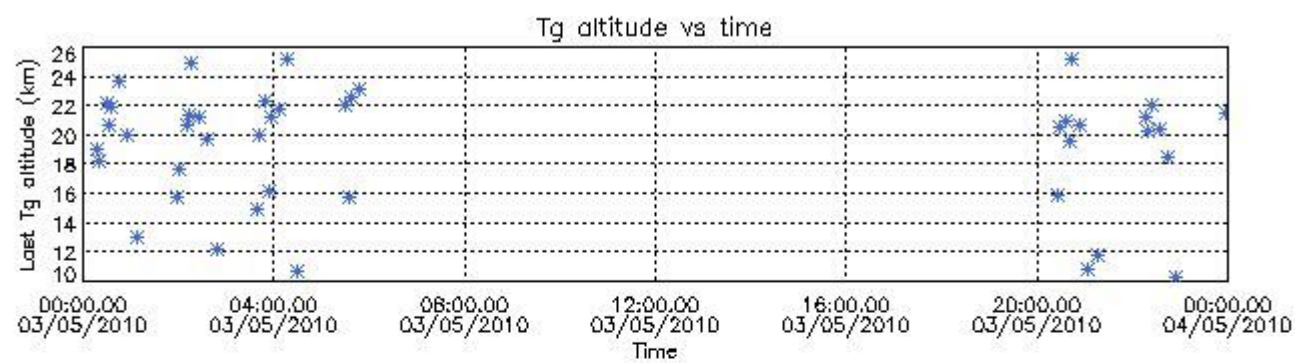
6.2 Plot for DARK limb products

Tangent altitude at which the star is lost



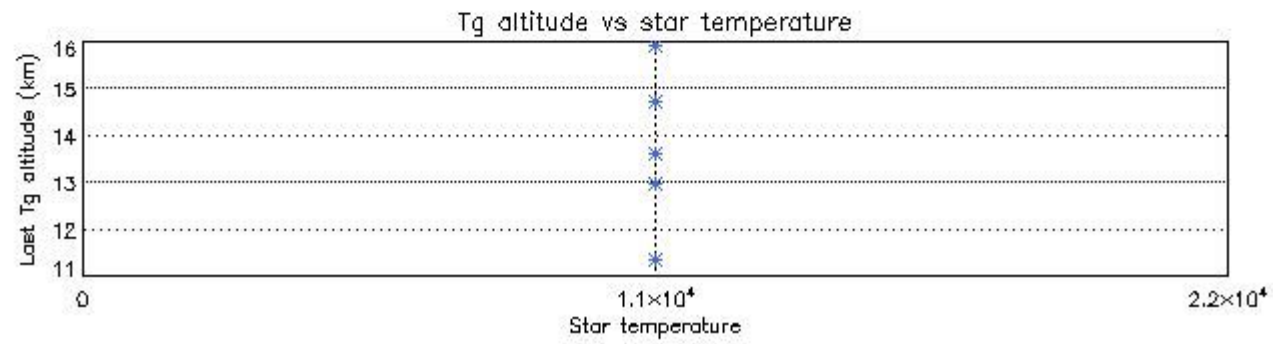
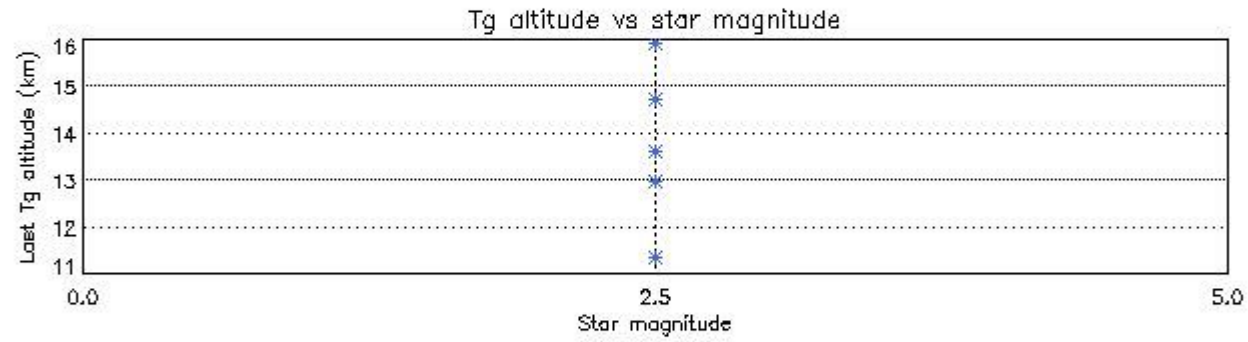
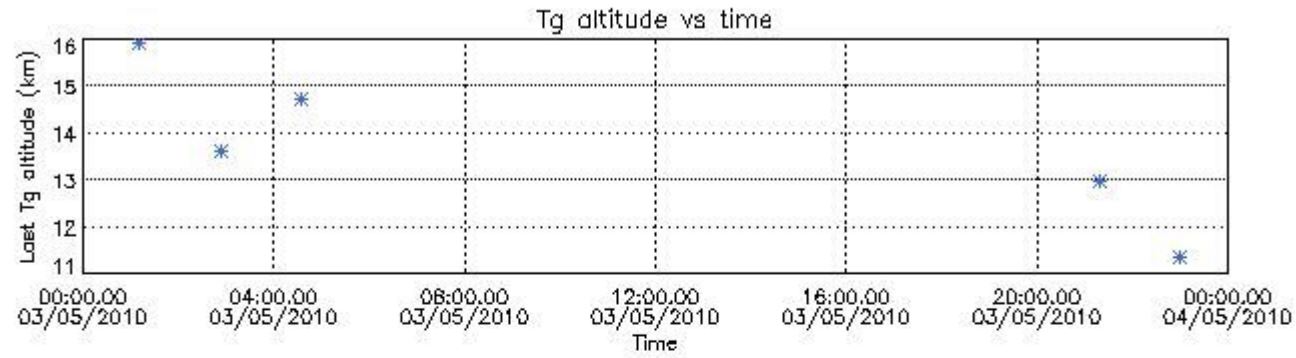
6.3 Plot for BRIGHT limb products

Tangent altitude at which the star is lost



6.3 Plot for TWILIGHT limb products

Tangent altitude at which the star is lost

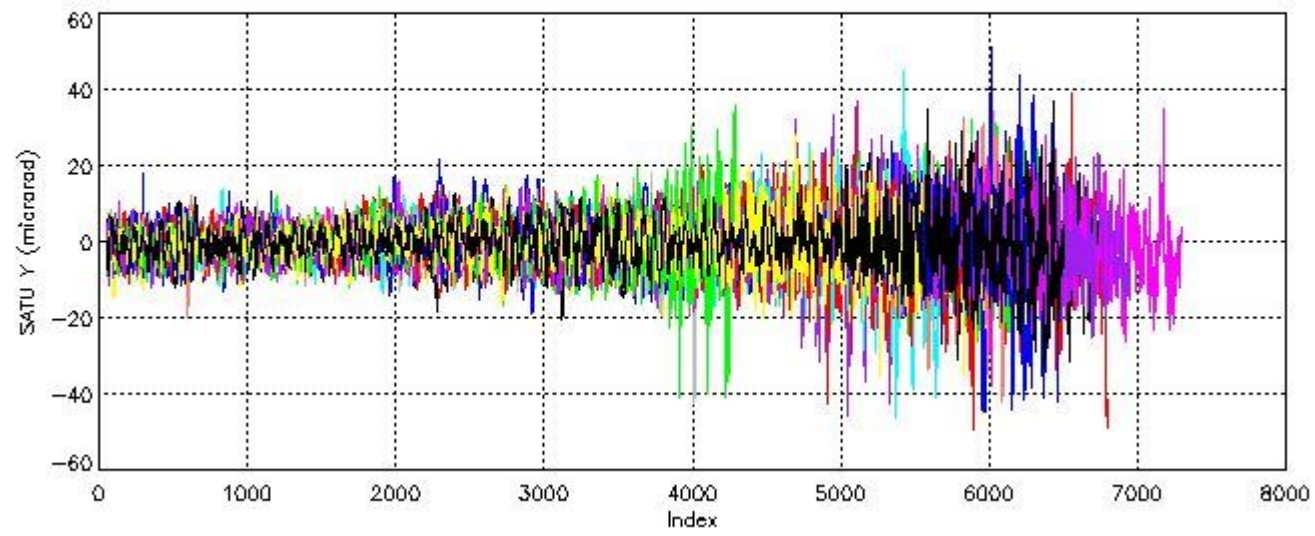
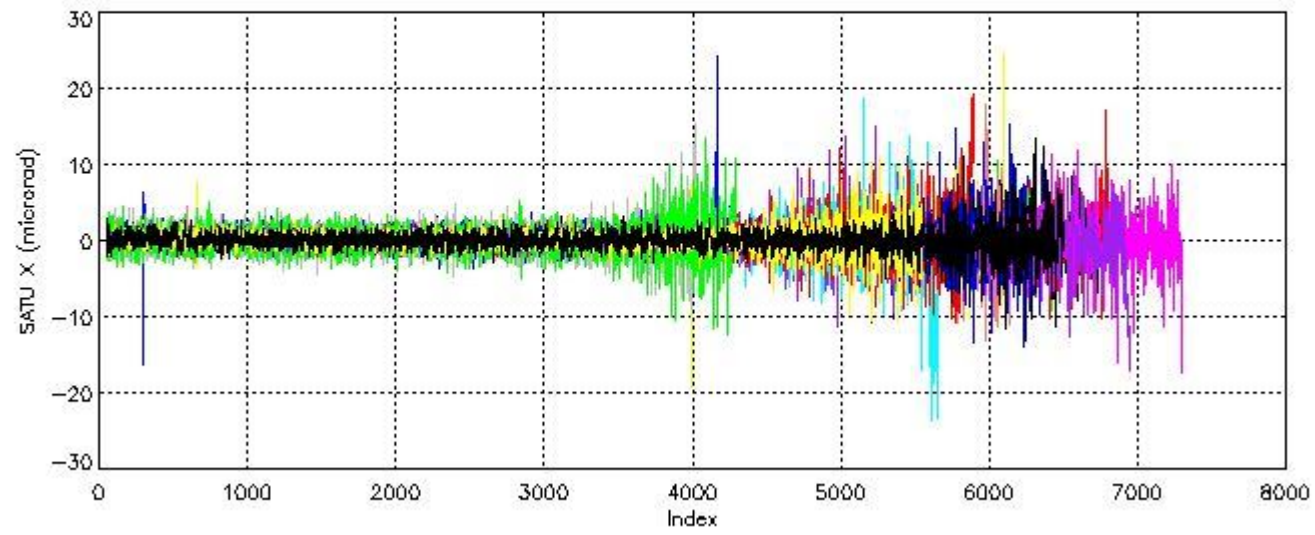


7. Star Acquisition and Tracking Unit (SATU)

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:	0.20523	-0.56851	0.27523	-0.71524
St. deviation:	0.76436	3.6406	0.92464	3.3769
Maximum:	8.0000	18.100	5.8000	13.400
Minimum:	-16.300	-19.800	-5.0000	-20.900

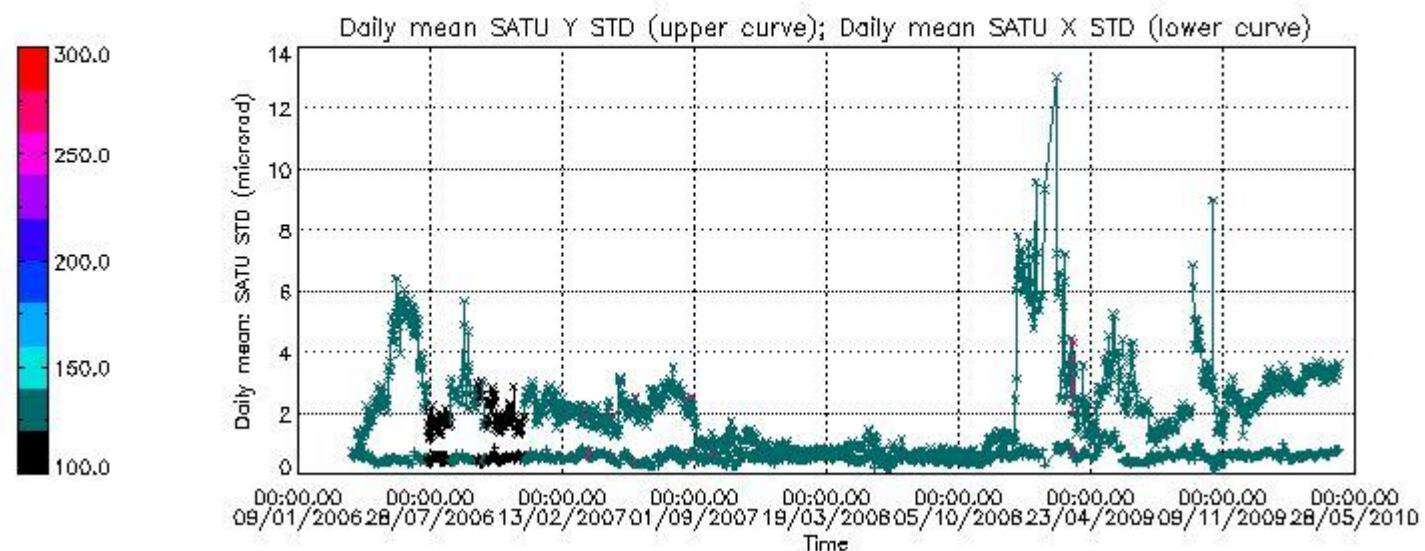
Number of data:	21050.	21050.	43700.	43700.
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7.2.2 Trend of daily SATU NEA St. deviation since 1st April 2006 (dark limb)

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.

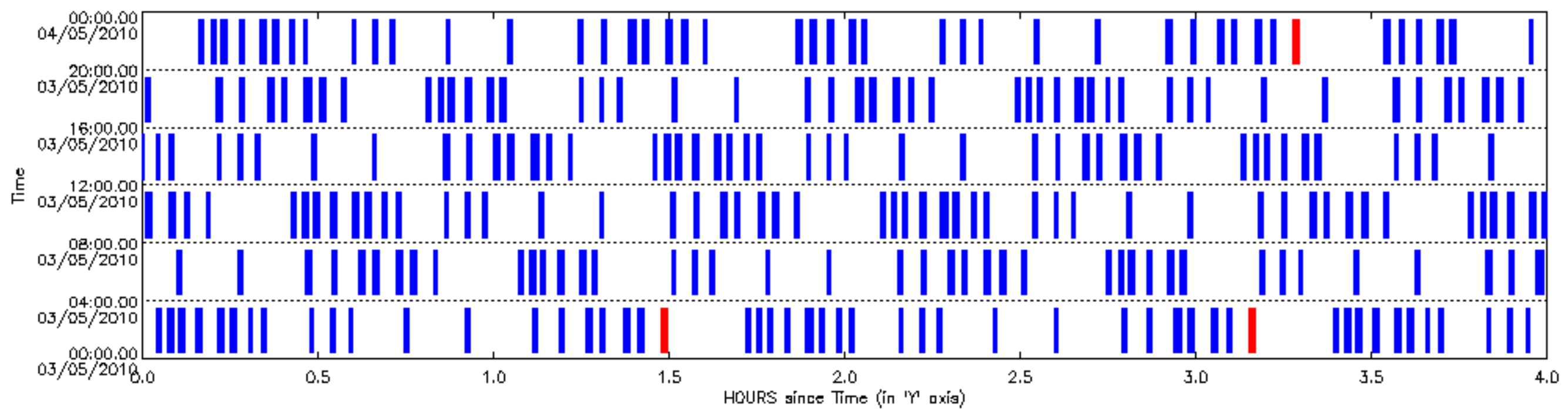
Upper curve: STD of SATU Y axis
Lower curve: STD of SATU X axis

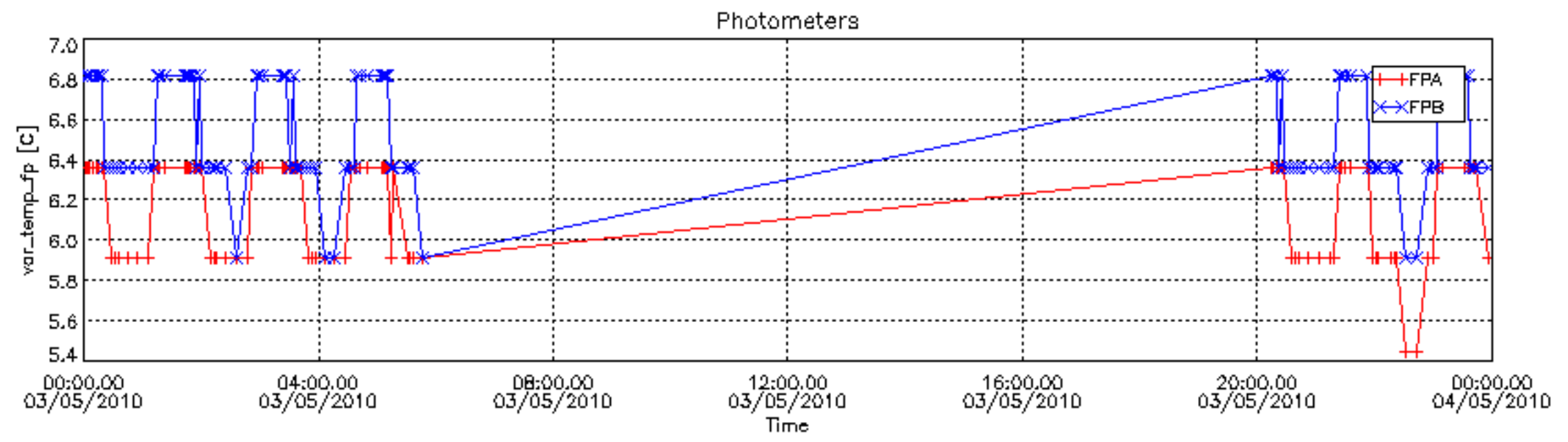
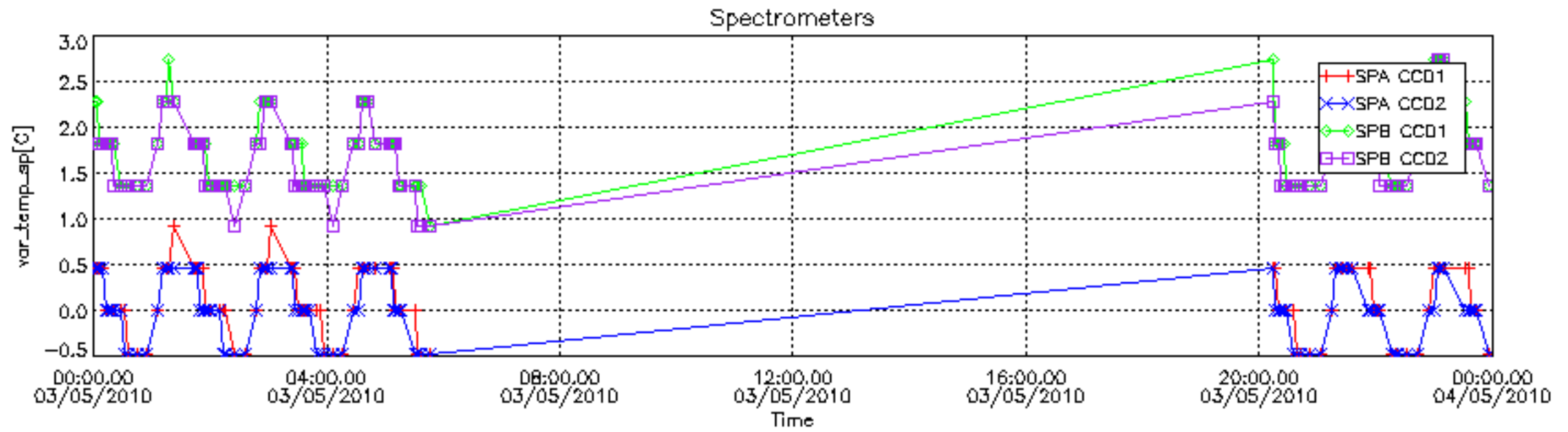


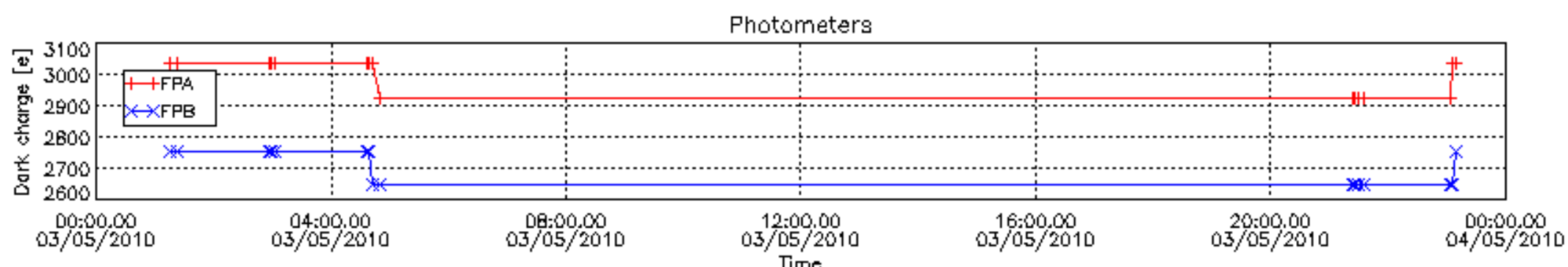
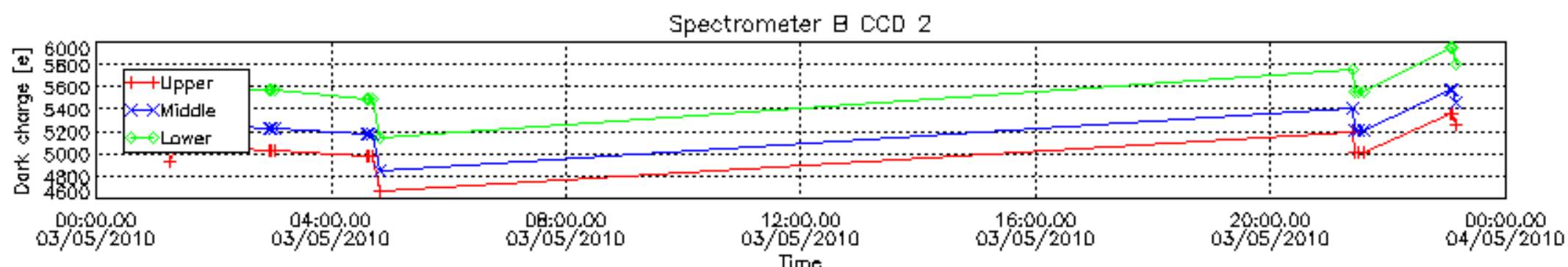
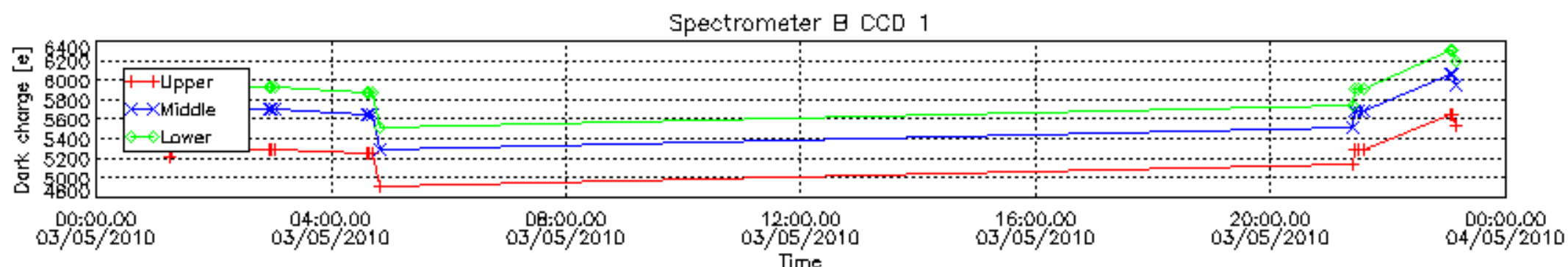
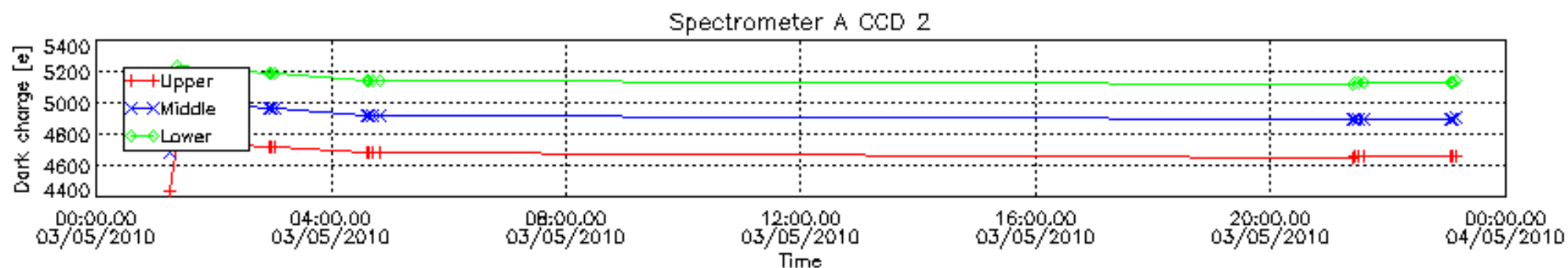
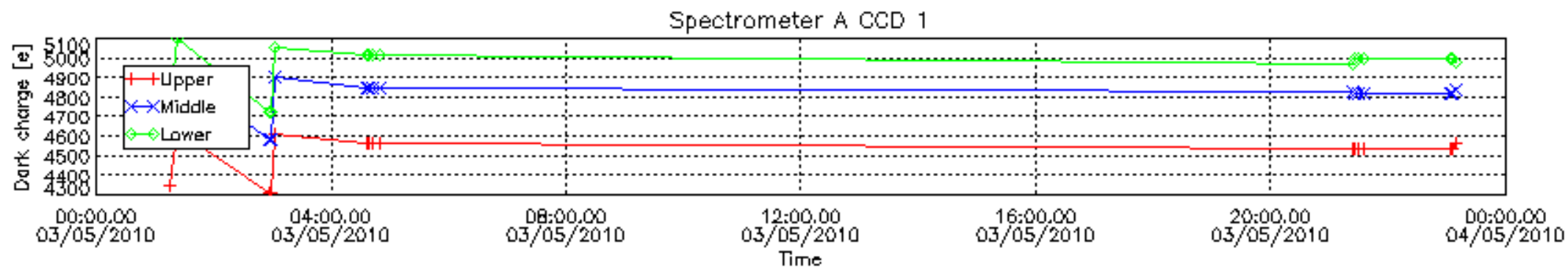
8. Auxiliary Data Files used for the production reported in section 2.4

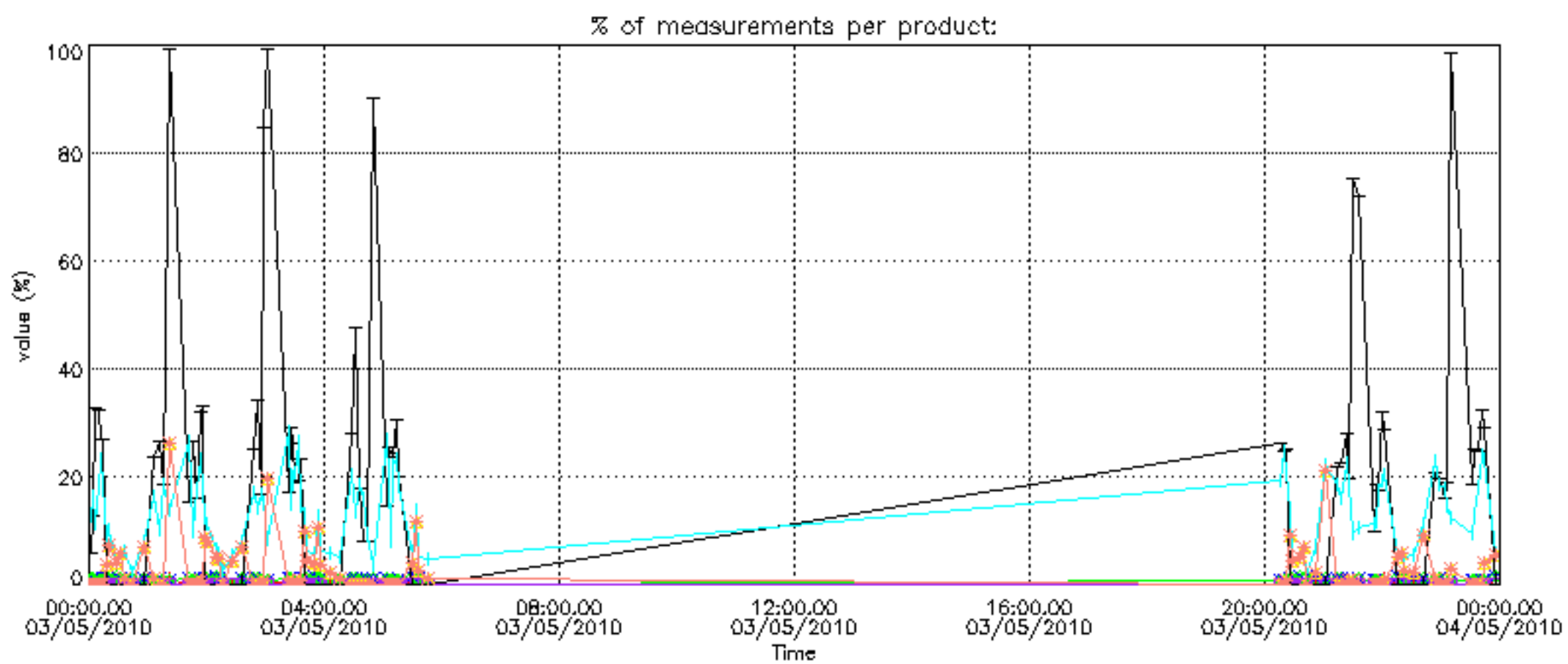
The number reported in the third column indicates since which file (see list in section 2.4) the corresponding auxiliary file has been used. The fourth column is the date of those product files.

Type	Auxiliary Filename	Used since product	Used since product date
INST_PHYS_CHARACTERISTICS	GOM_INS_AXVIEC20091111_143220_20030716_120000_20500101_000000	1	03-MAY-2010 00:02:17
CALIBRATION_DATABASE	GOM_CAL_AXVIEC20100428_080918_20100427_000000_20500101_000000	1	03-MAY-2010 00:02:17
CALIBRATION_DATABASE	GOM_CAL_AXVIEC20100504_084318_20100501_000000_20500101_000000	97	03-MAY-2010 23:10:05
LEVEL-1B_PROC_CONFIG	GOM_PR1_AXVIEC20091111_145255_20020301_000000_20500101_000000	1	03-MAY-2010 00:02:17
STAR_CATALOGUE	GOM_CAT_AXVIEC20020121_161009_20020101_000000_20200101_000000	1	03-MAY-2010 00:02:17
STELLAR_SPECTRA_DATABANK	GOM_STS_AXVIEC20091111_151504_20020101_160000_20500101_000000	1	03-MAY-2010 00:02:17
ECMWF_FILE	AUX_ECF_AXNECM20100502_054117_20100502_210000_20100503_090000	1	03-MAY-2010 00:02:17
ECMWF_FILE	AUX_ECF_AXNECM20100502_172119_20100503_030000_20100503_150000	49	03-MAY-2010 04:16:16
ECMWF_FILE	AUX_ECA_AXNECM20100504_044116_20100503_150000_20100504_030000	66	03-MAY-2010 20:13:24
ECMWF_FILE	AUX_ECA_AXNECM20100504_052116_20100503_210000_20100504_090000	80	03-MAY-2010 21:25:27
OPTIONAL_ECMWF_FILE	MISSING	1	03-MAY-2010 00:02:17
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20100502_233442_000057382089_00087_42726_0272.N1	1	03-MAY-2010 00:02:17
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20100503_011539_000041442089_00088_42727_0273.N1	17	03-MAY-2010 01:18:05
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20100503_023003_000057382089_00089_42728_0274.N1	31	03-MAY-2010 02:35:40
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20100503_041100_000057382089_00090_42729_0275.N1	49	03-MAY-2010 04:16:16
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20100503_201240_000038252089_00100_42739_0278.N1	66	03-MAY-2010 20:13:24
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20100503_212145_000060572089_00100_42739_0279.N1	80	03-MAY-2010 21:25:27
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20100503_230800_000057382089_00101_42740_0280.N1	97	03-MAY-2010 23:10:05

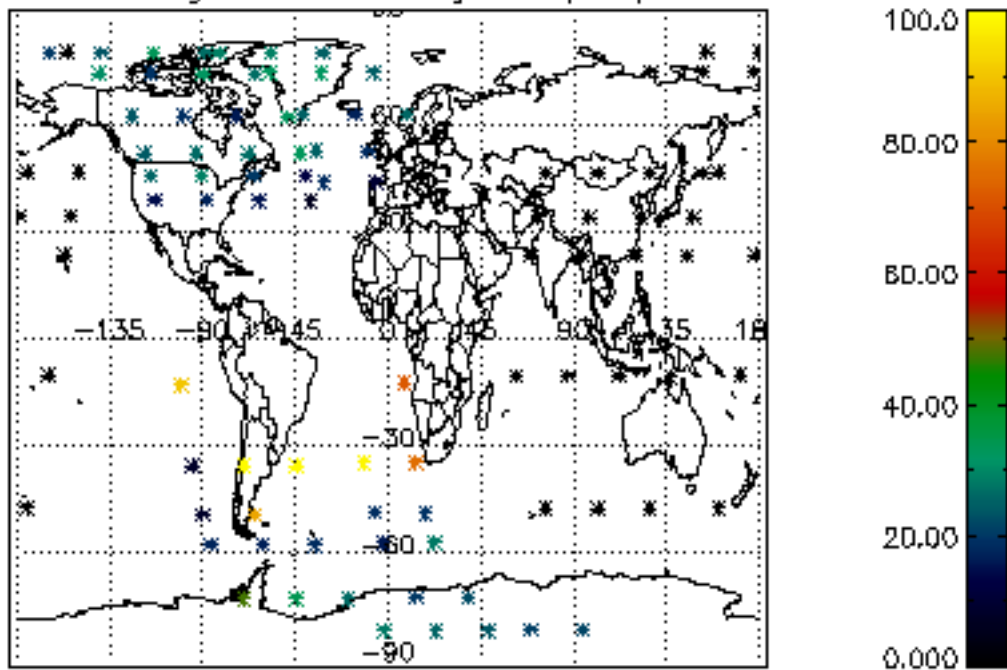




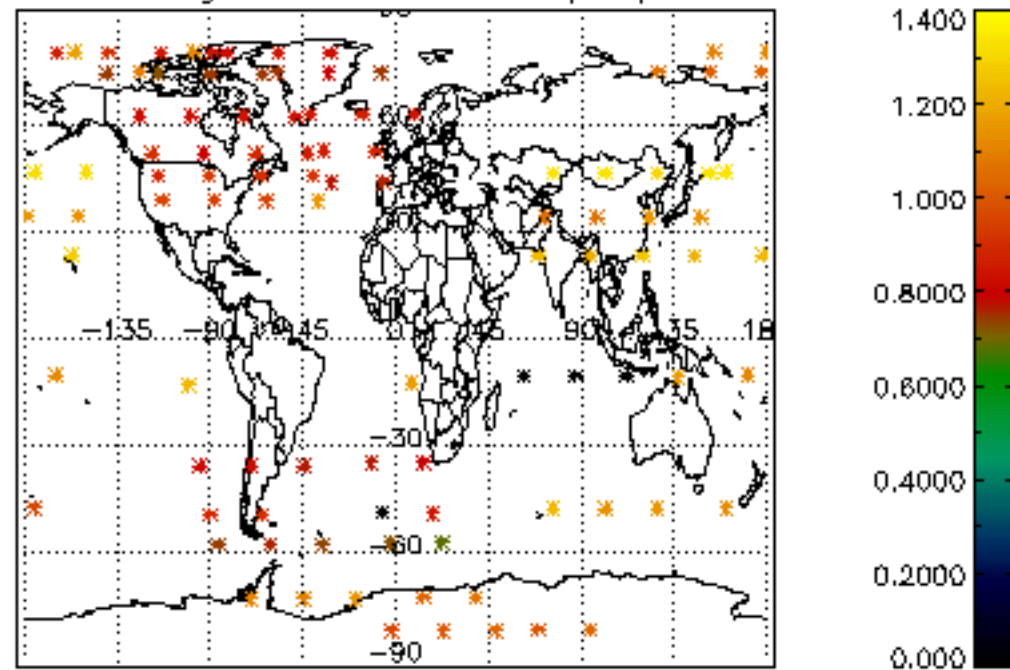




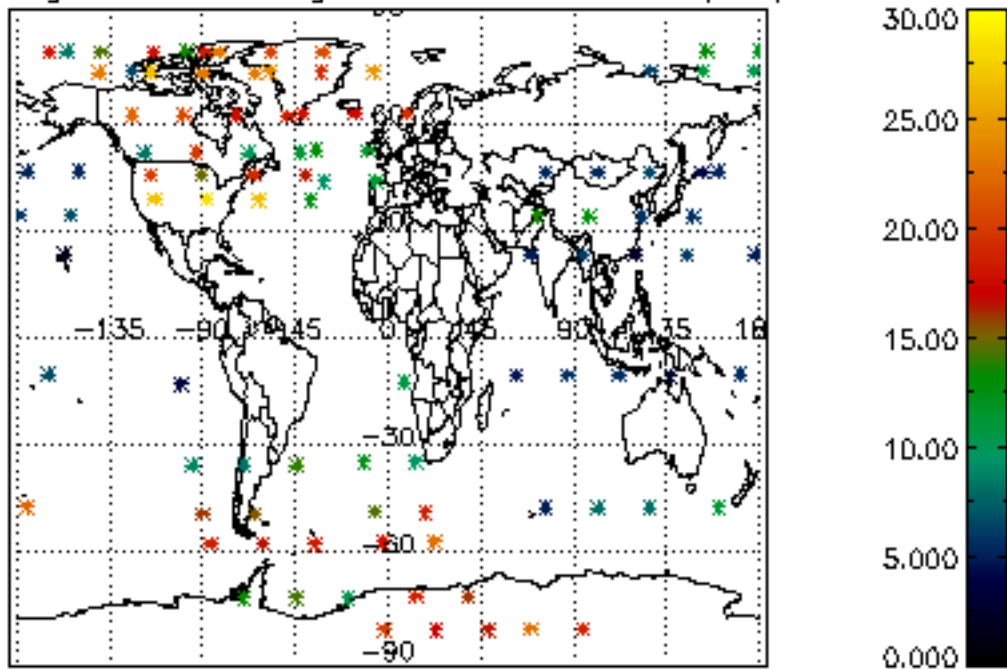
Percentage of cosmic ray hits per profile



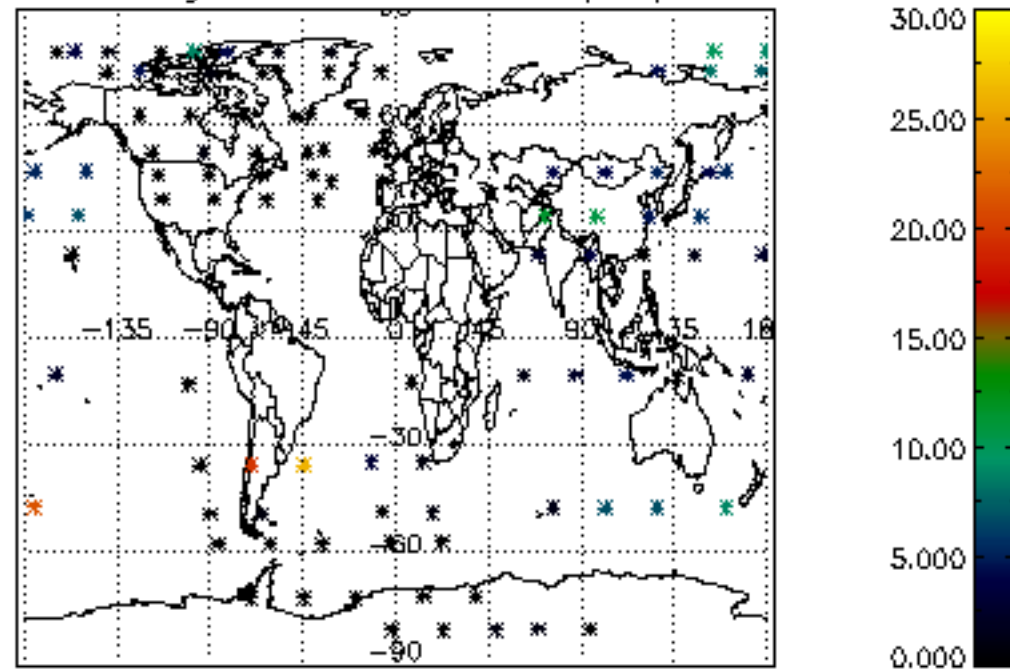
Percentage of datation errors per profile



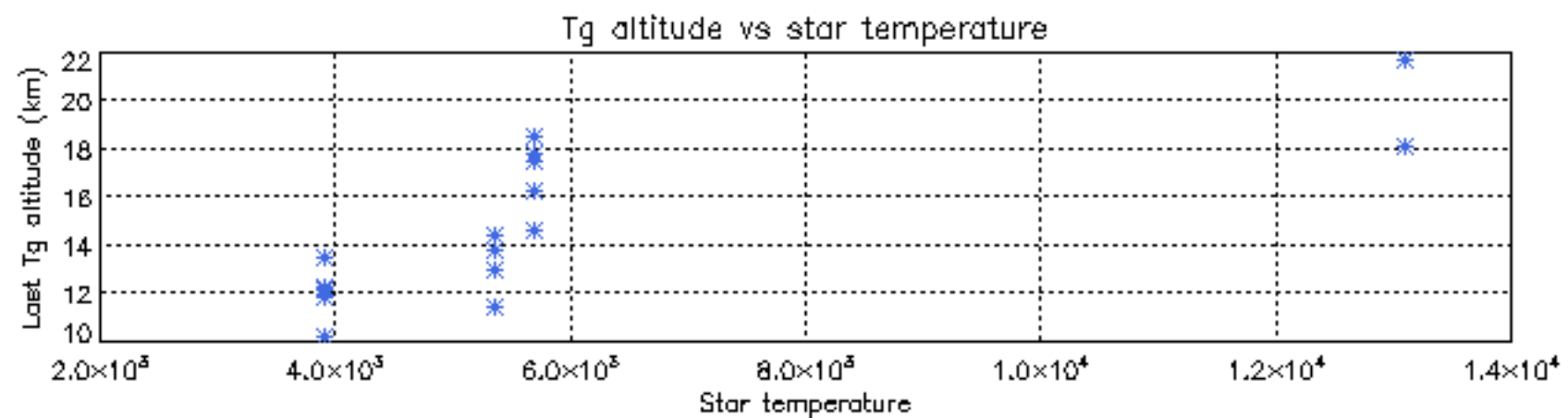
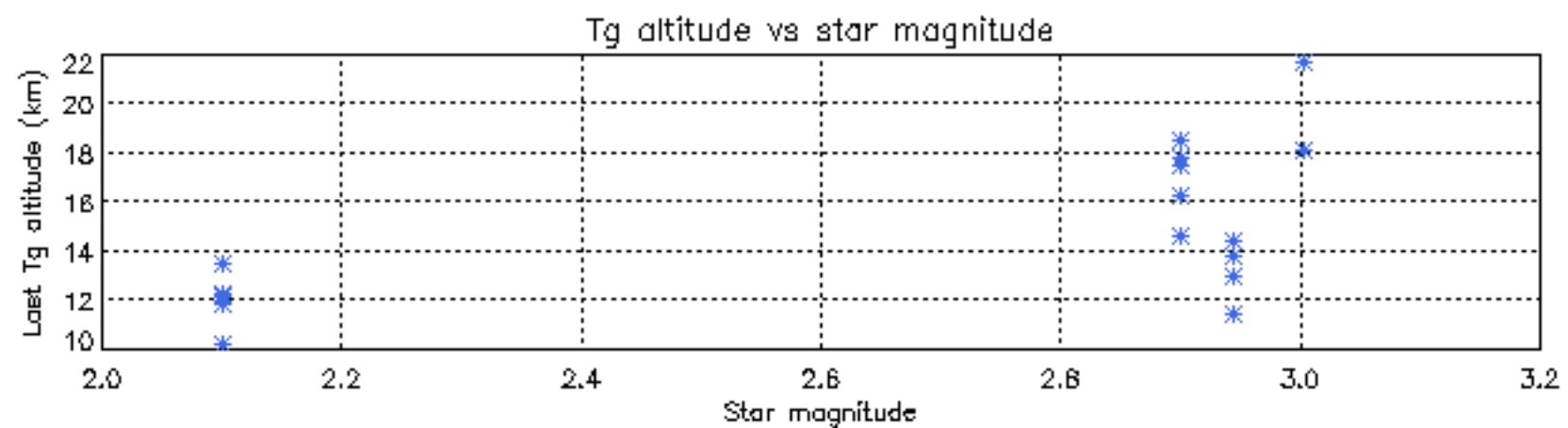
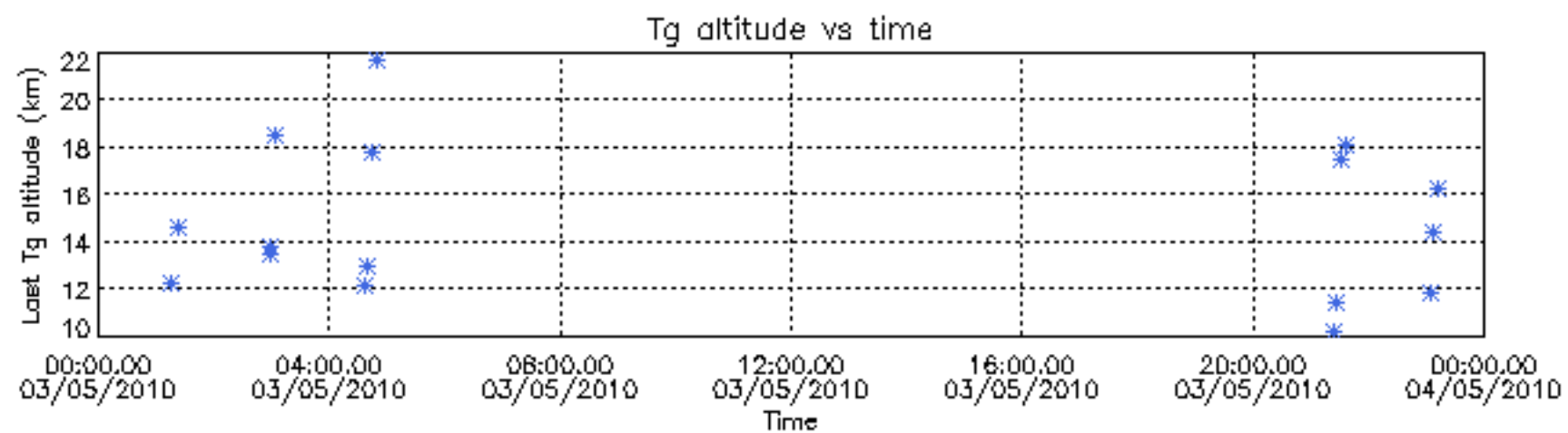
Percentage of star falling outside central band per profile



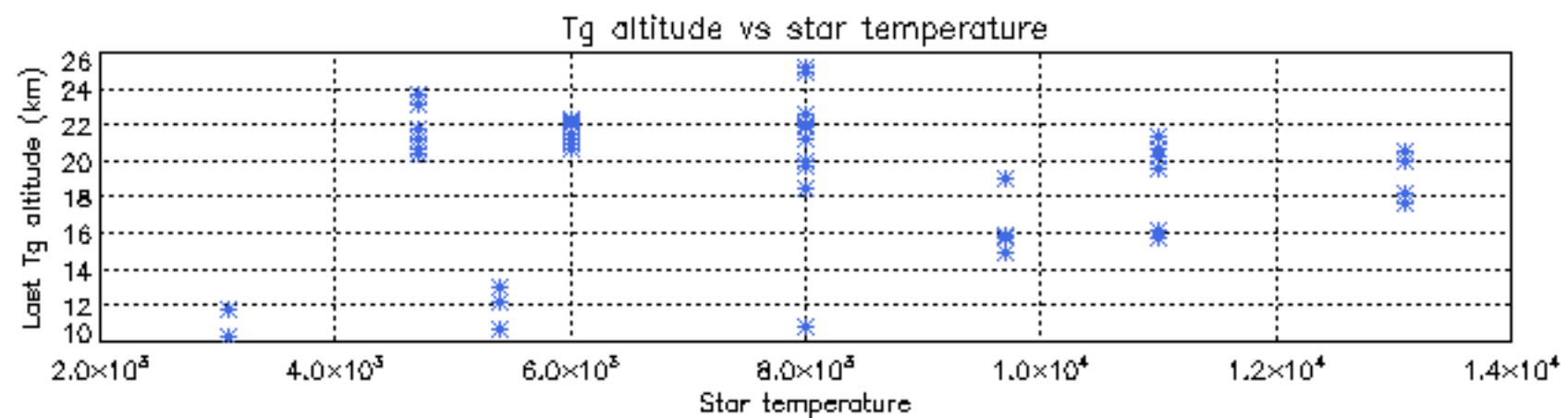
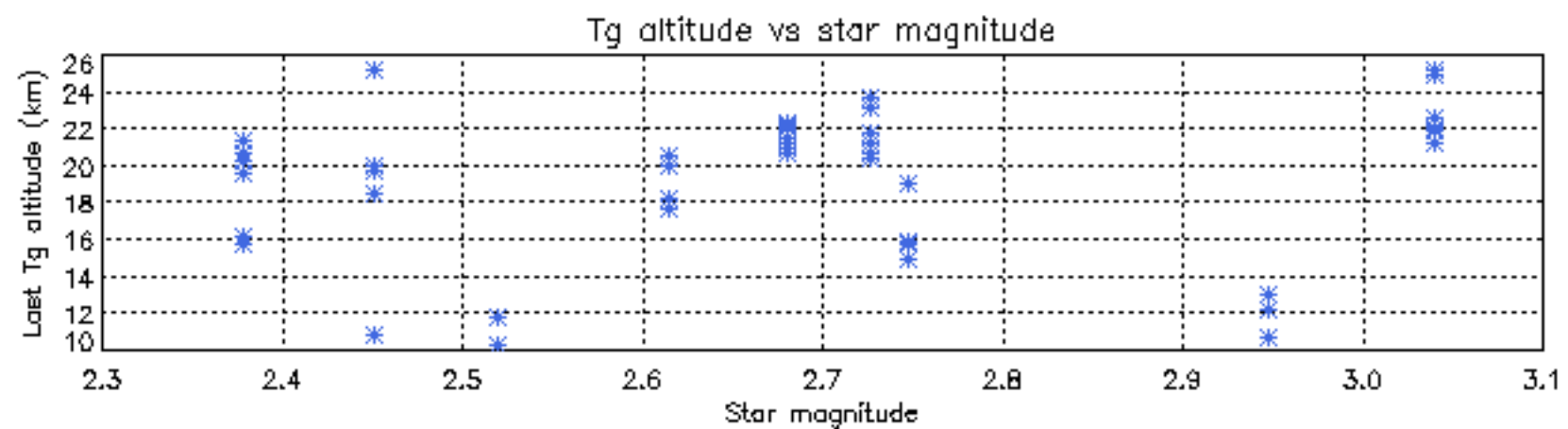
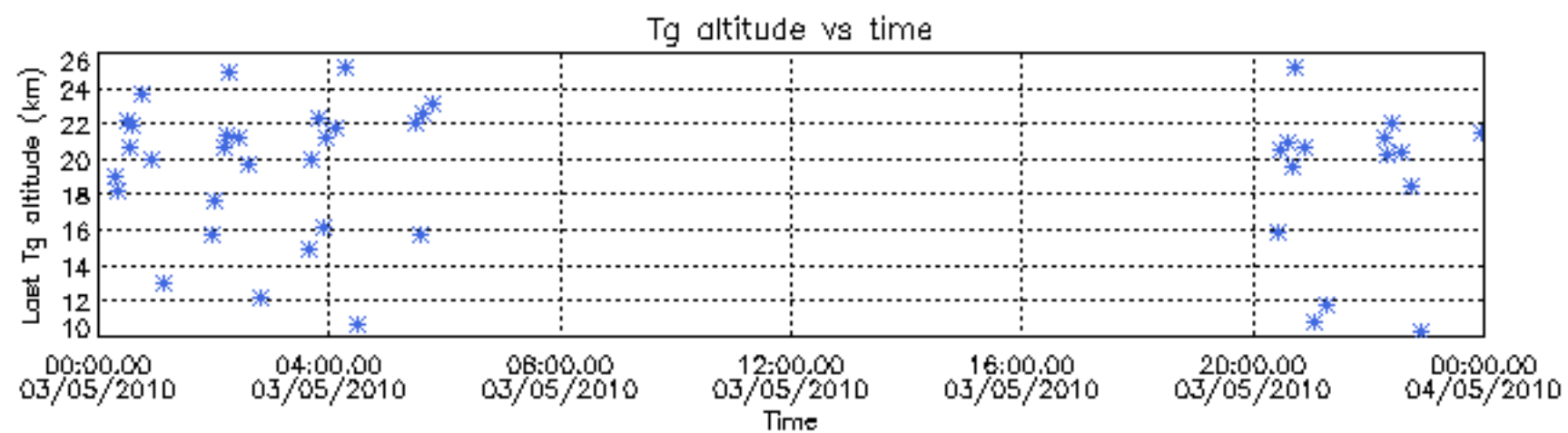
Percentage of saturation errors per profile



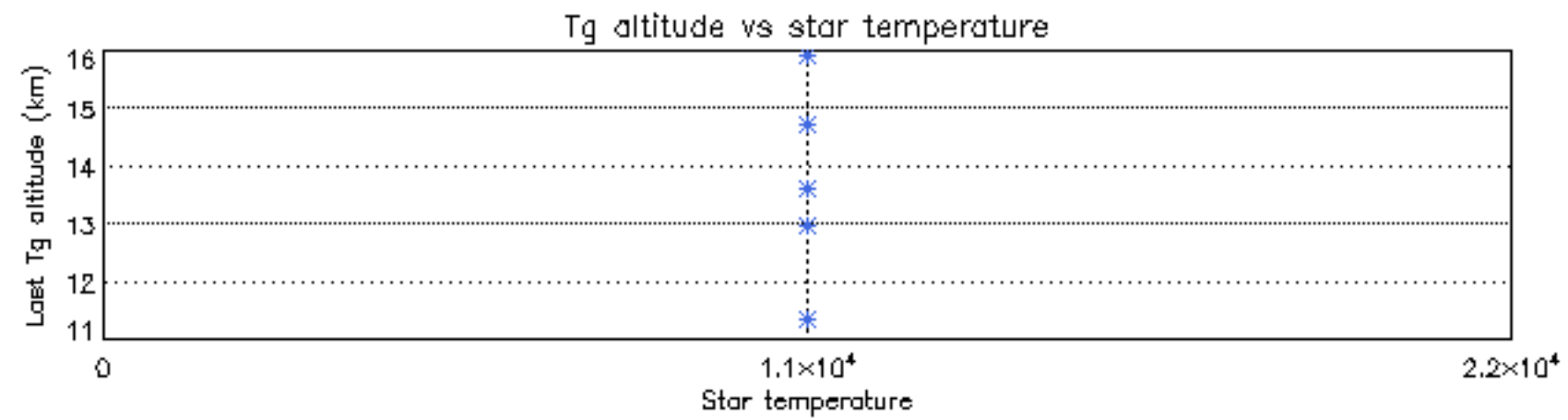
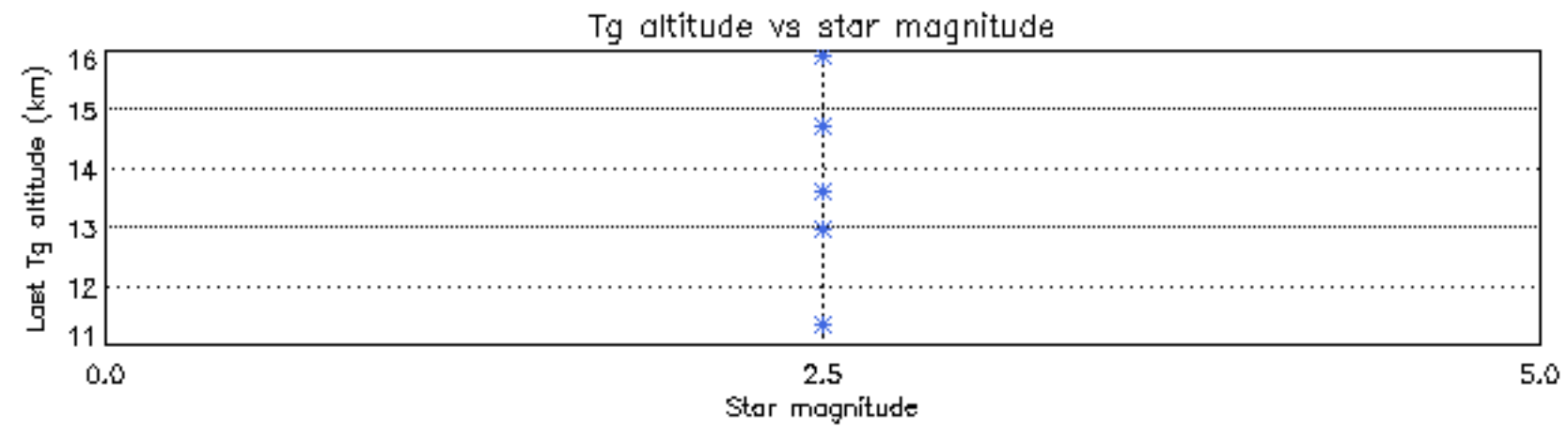
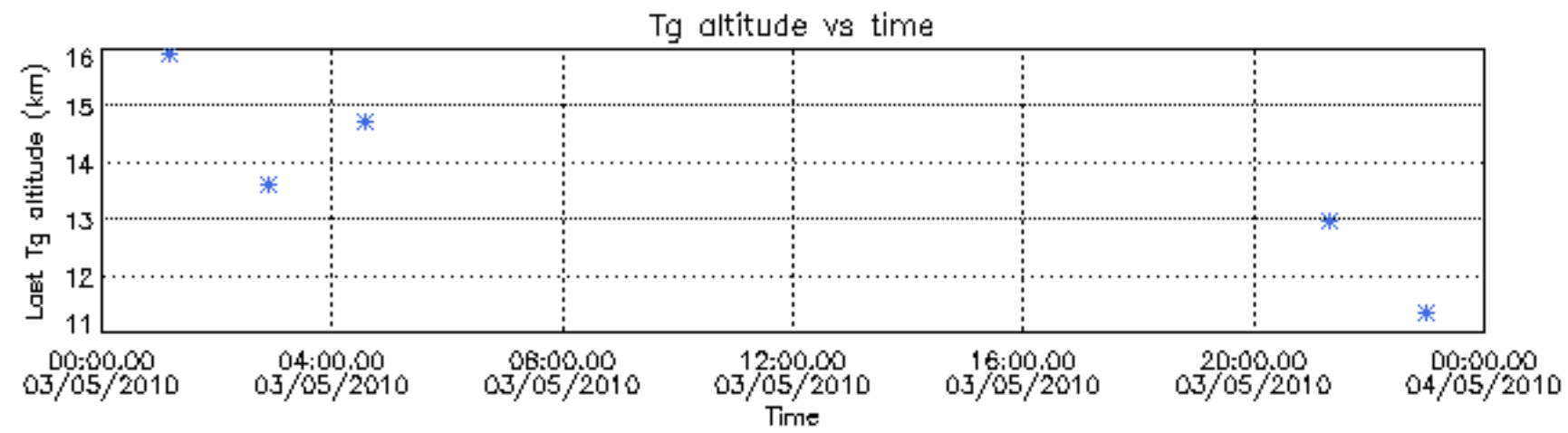
Tangent altitude at which the star is lost

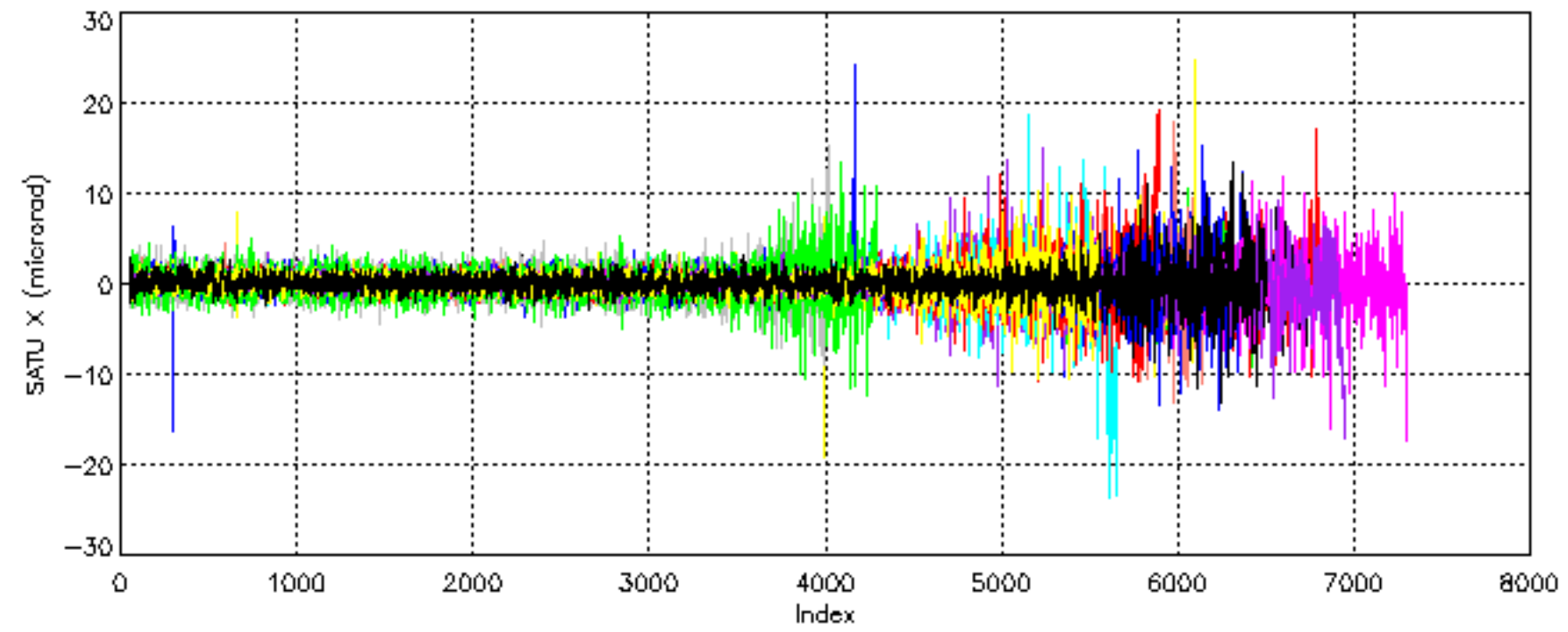


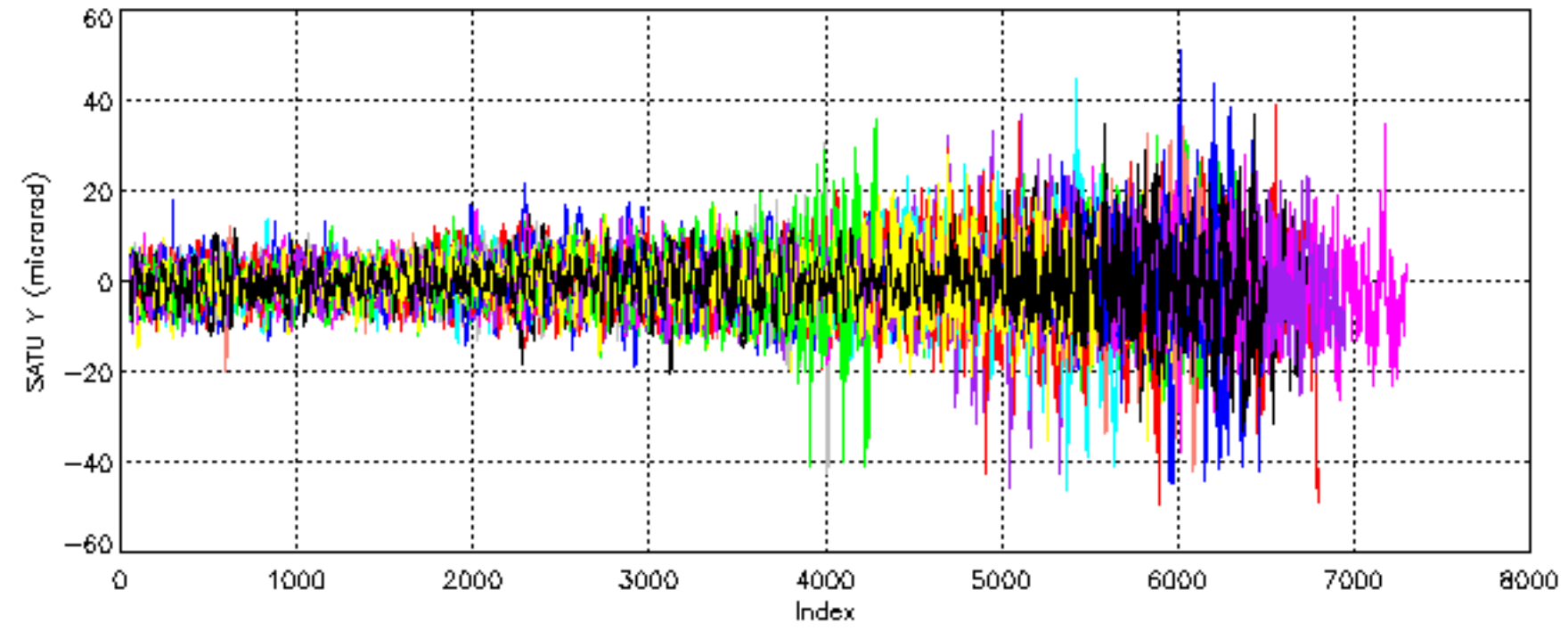
Tangent altitude at which the star is lost

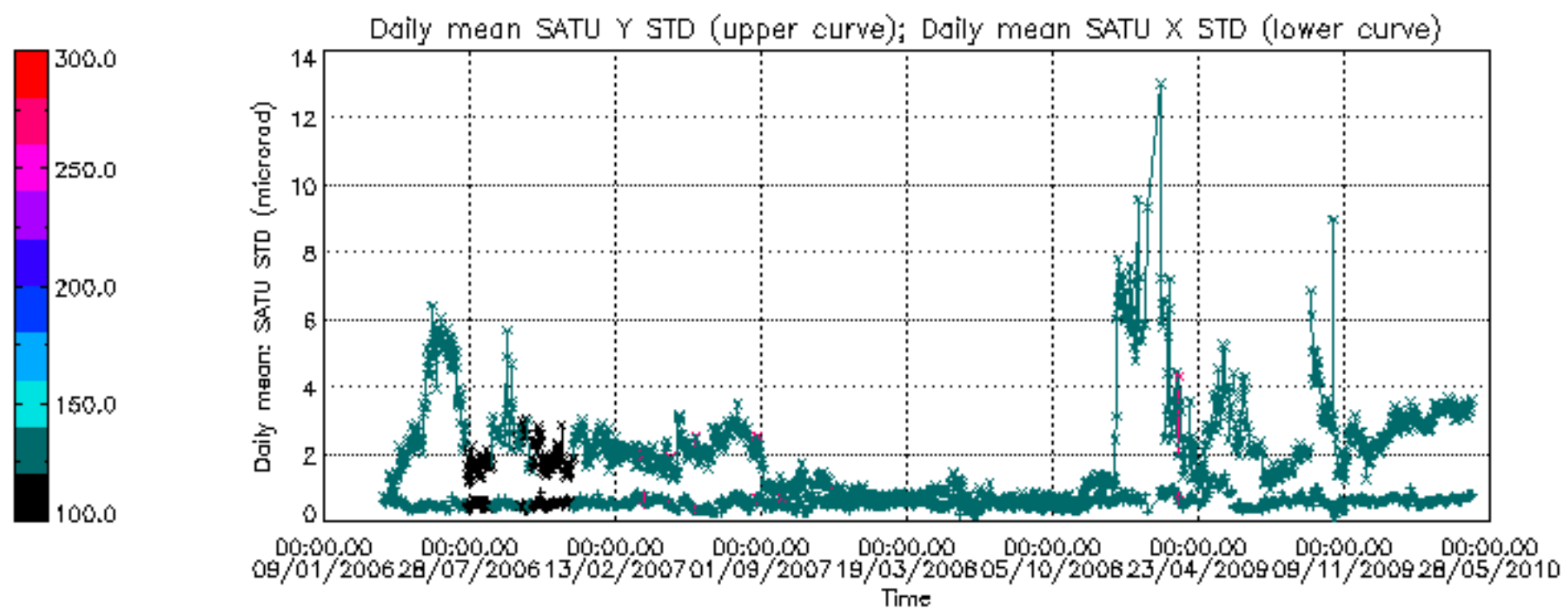


Tangent altitude at which the star is lost









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

1; -637.9; 01-MAY-2010 00:44:01; Dark ; 61.5; 154; 22Bet Aqr ; 2.90; 5700;occ; 123; 0;42698
 2; -480.7; 01-MAY-2010 00:46:38; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;42698
 3; 634.8; 01-MAY-2010 01:05:14; Dark ; 43.5; 141; Bet Ara ; 2.84; 4600;occ; 87; 0;42699
 4; 745.6; 01-MAY-2010 01:07:04; Dark ; 53.5; 40; The Sco ; 1.86; 7100;occ; 107; 0;42699
 5; 850.6; 01-MAY-2010 01:08:49; Dark ; 59.0; 25; 35Lam Sco ; 1.62; 28000;occ; 118; 0;42699
 6; 1038.5; 01-MAY-2010 01:11:57; Dark ; 60.0; 75; 26Eps Sco ; 2.29; 4250;occ; 120; 0;42699
 7; 1264.4; 01-MAY-2010 01:15:43; Dark ; 81.0; 16; 21Alp Sco ; 1.02; 3000;occ; 162; 0;42699
 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
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3; -1248.1; 04-MAY-2010 05:41:24; Dark ; 48.5; 90; 54Alp Peg ; 2.49; 11000;occ; 97; 0;42744
4; -964.9; 04-MAY-2010 05:46:07; Dark ; 72.0; 61; 8Eps Peg ; 2.10; 3900;occ; 144; 0;42744
5; -821.0; 04-MAY-2010 05:48:31; Dark ; 58.0; 162; 34Alp Aqr ; 2.94; 5350;occ; 116; 0;42744
6; -577.6; 04-MAY-2010 05:52:34; Dark ; 66.0; 154; 22Bet Aqr ; 2.90; 5700;occ; 132; 0;42744
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9; 745.9; 04-MAY-2010 06:14:38; Dark ; 63.5; 38; 20Eps Sgr ; 1.84; 11000;occ; 127; 0;42745
10; 893.0; 04-MAY-2010 06:17:05; Dark ; 60.5; 25; 35Lam Sco ; 1.62; 28000;occ; 121; 0;42745
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12; 1286.6; 04-MAY-2010 06:23:38; Dark ; 64.0; 16; 21Alp Sco ; 1.02; 3000;occ; 128; 0;42745
13; 1413.0; 04-MAY-2010 06:25:45; Dark ; 57.0; 80; 7Del Sco ; 2.32; 30000;occ; 114; 0;42745
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15; 1726.0; 04-MAY-2010 06:30:58; Bright; 47.0; 104; 27Bet Lib ; 2.61; 13100;occ; 94; 0;42745
16; 2253.6; 04-MAY-2010 06:39:45; Bright; 41.5; 3; 16Alp Boo ; -0.05; 4250;occ; 83; 0;42745
17; 2434.3; 04-MAY-2010 06:42:46; Bright; 42.5; 83; ; 2.38; 11000;occ; 85; 0;42745
18; 2617.2; 04-MAY-2010 06:45:49; Bright; 41.0; 180; 27Gam Boo ; 3.04; 8000;occ; 82; 0;42745
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3; -1247.3; 04-MAY-2010 07:22:00; Dark ; 48.0; 90; 54Alp Peg ; 2.49; 11000;occ; 96; 0;42745
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5; -820.3; 04-MAY-2010 07:29:07; Dark ; 59.0; 162; 34Alp Aqr ; 2.94; 5350;occ; 118; 0;42745
6; -576.3; 04-MAY-2010 07:33:11; Dark ; 65.5; 154; 22Bet Aqr ; 2.90; 5700;occ; 131; 0;42745
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9; 747.0; 04-MAY-2010 07:55:15; Dark ; 70.0; 38; 20Eps Sgr ; 1.84; 11000;occ; 140; 0;42746
10; 894.1; 04-MAY-2010 07:57:42; Dark ; 55.5; 25; 35Lam Sco ; 1.62; 28000;occ; 111; 0;42746
11; 1070.7; 04-MAY-2010 08:00:39; Dark ; 59.5; 75; 26Eps Sco ; 2.29; 4250;occ; 119; 0;42746
12; 1286.7; 04-MAY-2010 08:04:15; Dark ; 69.5; 16; 21Alp Sco ; 1.02; 3000;occ; 139; 0;42746
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3; 2434.2; 04-MAY-2010 08:23:22; Bright; 45.0; 83; ; 2.38; 11000;occ; 90; 0;42746
4; 2617.0; 04-MAY-2010 08:26:25; Bright; 38.5; 180; 27Gam Boo ; 3.04; 8000;occ; 77; 0;42746
5; 3182.7; 04-MAY-2010 08:35:51; Bright; 45.5; 119; 14Eta Dra ; 2.73; 4700;occ; 91; 0;42746
6; 3814.0; 04-MAY-2010 08:46:22; Bright; 43.5; 89; 5Alp Cep ; 2.45; 8000;occ; 87; 0;42746
7; 4544.7; 04-MAY-2010 08:58:33; Dark ; 49.5; 93; 53Bet Peg ; 2.52; 3100;occ; 99; 0;42746
8; 4788.9; 04-MAY-2010 09:02:37; Dark ; 47.5; 90; 54Alp Peg ; 2.49; 11000;occ; 95; 0;42746
9; 5073.2; 04-MAY-2010 09:07:21; Dark ; 66.0; 61; 8Eps Peg ; 2.10; 3900;occ; 132; 0;42746
10; 5216.7; 04-MAY-2010 09:09:45; Dark ; 58.5; 162; 34Alp Aqr ; 2.94; 5350;occ; 117; 0;42746
11; 5461.0; 04-MAY-2010 09:13:49; Dark ; 64.0; 154; 22Bet Aqr ; 2.90; 5700;occ; 128; 0;42746
12; 5613.4; 04-MAY-2010 09:16:21; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;42746
13; 5832.1; 04-MAY-2010 09:20:00; Dark ; 42.0; 172; Gam Gru ; 3.00; 13100;occ; 84; 0;42746
14; 6783.9; 04-MAY-2010 09:35:52; Dark ; 65.5; 38; 20Eps Sgr ; 1.84; 11000;occ; 131; 0;42747
15; 6930.8; 04-MAY-2010 09:38:19; Dark ; 56.0; 25; 35Lam Sco ; 1.62; 28000;occ; 112; 0;42747
16; 7107.5; 04-MAY-2010 09:41:15; Dark ; 57.0; 75; 26Eps Sco ; 2.29; 4250;occ; 114; 0;42747
17; 7323.4; 04-MAY-2010 09:44:51; Dark ; 77.0; 16; 21Alp Sco ; 1.02; 3000;occ; 154; 0;42747
18; 7449.7; 04-MAY-2010 09:46:57; Dark ; 60.0; 80; 7Del Sco ; 2.32; 30000;occ; 120; 0;42747
19; 7631.2; 04-MAY-2010 09:49:59; Bright; 41.5; 122; 9Alp2Lib ; 2.75; 9700;occ; 83; 0;42747
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4; 2616.5; 04-MAY-2010 10:07:00; Bright; 41.0; 180; 27Gam Boo ; 3.04; 8000;occ; 82; 0;42747
5; 3182.2; 04-MAY-2010 10:16:26; Bright; 46.0; 119; 14Eta Dra ; 2.73; 4700;occ; 92; 0;42747
6; 3813.7; 04-MAY-2010 10:26:57; Bright; 62.0; 89; 5Alp Cep ; 2.45; 8000;occ; 124; 0;42747
7; 4544.9; 04-MAY-2010 10:39:09; Dark ; 56.0; 93; 53Bet Peg ; 2.52; 3100;occ; 112; 0;42747
8; 4789.3; 04-MAY-2010 10:43:13; Dark ; 45.0; 90; 54Alp Peg ; 2.49; 11000;occ; 90; 0;42747
9; 5074.1; 04-MAY-2010 10:47:58; Dark ; 66.0; 61; 8Eps Peg ; 2.10; 3900;occ; 132; 0;42747
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13; 5832.8; 04-MAY-2010 11:00:37; Dark ; 42.0; 172; Gam Gru ; 3.00; 13100;occ; 84; 0;42747
14; 6785.4; 04-MAY-2010 11:16:29; Dark ; 69.5; 38; 20Eps Sgr ; 1.84; 11000;occ; 139; 0;42748
15; 6931.5; 04-MAY-2010 11:18:55; Dark ; 60.0; 25; 35Lam Sco ; 1.62; 28000;occ; 120; 0;42748
16; 7108.0; 04-MAY-2010 11:21:52; Dark ; 62.0; 75; 26Eps Sco ; 2.29; 4250;occ; 124; 0;42748
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3; 2252.7; 04-MAY-2010 11:41:32; Bright; 40.0; 3; 16Alp Boo ; -0.05; 4250;occ; 80; 0;42748
4; 2433.0; 04-MAY-2010 11:44:33; Bright; 41.5; 83; ; 2.38; 11000;occ; 83; 0;42748
5; 2616.0; 04-MAY-2010 11:47:36; Bright; 40.5; 180; 27Gam Boo ; 3.04; 8000;occ; 81; 0;42748
6; 3181.6; 04-MAY-2010 11:57:01; Bright; 43.0; 119; 14Eta Dra ; 2.73; 4700;occ; 86; 0;42748
7; 3813.5; 04-MAY-2010 12:07:33; Bright; 40.0; 89; 5Alp Cep ; 2.45; 8000;occ; 80; 0;42748
8; 4545.0; 04-MAY-2010 12:19:45; Dark ; 51.0; 93; 53Bet Peg ; 2.52; 3100;occ; 102; 0;42748
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11; 5218.5; 04-MAY-2010 12:30:58; Dark ; 58.0; 162; 34Alp Aqr ; 2.94; 5350;occ; 116; 0;42748

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13; 5615.9; 04-MAY-2010 12:37:35; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;42748
14; 5833.8; 04-MAY-2010 12:41:13; Dark ; 43.0; 172; Gam Gru ; 3.00; 13100;occ; 86; 0;42748
15; 6786.6; 04-MAY-2010 12:57:06; Dark ; 63.5; 38; 20Eps Sgr ; 1.84; 11000;occ; 127; 0;42749
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19; 7450.0; 04-MAY-2010 13:08:10; Dark ; 57.0; 80; 7Del Sco ; 2.32; 30000;occ; 114; 0;42749
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 4; 2432.7; 04-MAY-2010 13:25:08; Bright; 41.0; 83; ; 2.38; 11000;occ; 82; 0;42749
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11; 5077.4; 04-MAY-2010 15:49:49; Dark ; 50.0; 61; 8Eps Peg ; 2.10; 3900;occ; 100; 0;42750
12; 5220.5; 04-MAY-2010 15:52:12; Dark ; 57.0; 162; 34Alp Aqr ; 2.94; 5350;occ; 114; 0;42750
13; 5466.8; 04-MAY-2010 15:56:18; Dark ; 69.0; 154; 22Bet Aqr ; 2.90; 5700;occ; 138; 0;42750
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15; 5835.3; 04-MAY-2010 16:02:27; Dark ; 42.5; 172; Gam Gru ; 3.00; 13100;occ; 85; 0;42750
16; 6789.2; 04-MAY-2010 16:18:21; Dark ; 69.5; 38; 20Eps Sgr ; 1.84; 11000;occ; 139; 0;42751
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13; 5221.5; 04-MAY-2010 17:32:49; Dark ; 56.0; 162; 34Alp Aqr ; 2.94; 5350;occ; 112; 0;42751
14; 5468.0; 04-MAY-2010 17:36:55; Dark ; 63.5; 154; 22Bet Aqr ; 2.90; 5700;occ; 127; 0;42751
15; 5619.9; 04-MAY-2010 17:39:27; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;42751
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17; 6790.4; 04-MAY-2010 17:58:58; Dark ; 64.5; 38; 20Eps Sgr ; 1.84; 11000;occ; 129; 0;42752
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 9; 2614.2; 04-MAY-2010 20:10:34; Bright; 41.0; 180; 27Gam Boo ; 3.04; 8000;occ; 82; 0;42753
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 11; 3811.7; 04-MAY-2010 20:30:31; Bright; 42.0; 89; 5Alp Cep ; 2.45; 8000;occ; 84; 0;42753
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 6; 757.2; 04-MAY-2010 21:20:12; Dark ; 64.0; 38; 20Eps Sgr ; 1.84; 11000;occ; 128; 0;42754
 7; 901.0; 04-MAY-2010 21:22:36; Dark ; 56.5; 25; 35Lam Sco ; 1.62; 28000;occ; 113; 0;42754
 8; 1076.3; 04-MAY-2010 21:25:32; Dark ; 59.5; 75; 26Eps Sco ; 2.29; 4250;occ; 119; 0;42754
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 10; 1415.4; 04-MAY-2010 21:31:11; Dark ; 61.0; 80; 7Del Sco ; 2.32; 30000;occ; 122; 0;42754
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 16; 3178.0; 04-MAY-2010 22:00:33; Bright; 43.5; 119; 14Eta Dra ; 2.73; 4700;occ; 87; 0;42754
 17; 3811.6; 04-MAY-2010 22:11:07; Bright; 49.5; 89; 5Alp Cep ; 2.45; 8000;occ; 99; 0;42754
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 20; 5080.9; 04-MAY-2010 22:32:16; Dark ; 34.0; 61; 8Eps Peg ; 2.10; 3900;occ; 68; 0;42754
 21; 5224.4; 04-MAY-2010 22:34:40; Dark ; 58.5; 162; 34Alp Aqr ; 2.94; 5350;occ; 117; 0;42754

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 5; 901.8; 04-MAY-2010 23:03:13; Dark ; 63.0; 25; 35Lam Sco ; 1.62; 28000;occ; 126; 0;42755
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 11; 2251.3; 04-MAY-2010 23:25:42; Bright; 41.5; 3; 16Alp Boo ; -0.05; 4250;occ; 83; 0;42755
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 14; 3177.6; 04-MAY-2010 23:41:09; Bright; 42.0; 119; 14Eta Dra ; 2.73; 4700;occ; 84; 0;42755
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 18; 5081.9; 05-MAY-2010 00:12:53; Dark ; 34.0; 61; 8Eps Peg ; 2.10; 3900;occ; 68; 0;42755
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 3; 1415.0; 04-MAY-2010 18:09:58; Dark ; 61.5; 80; 7Del Sco ; 2.32; 30000;occ; 123; 0;42752
 4; 1595.6; 04-MAY-2010 18:12:59; Bright; 46.0; 122; 9Alp2Lib ; 2.75; 9700;occ; 92; 0;42752
 5; 1725.7; 04-MAY-2010 18:15:09; Bright; 47.5; 104; 27Bet Lib ; 2.61; 13100;occ; 95; 0;42752
 6; 2251.7; 04-MAY-2010 18:23:55; Bright; 42.5; 3; 16Alp Boo ; -0.05; 4250;occ; 85; 0;42752
 7; 2431.3; 04-MAY-2010 18:26:55; Bright; 45.5; 83; ; 2.38; 11000;occ; 91; 0;42752
 8; 2614.7; 04-MAY-2010 18:29:58; Bright; 42.0; 180; 27Gam Boo ; 3.04; 8000;occ; 84; 0;42752
 9; 3179.1; 04-MAY-2010 18:39:22; Bright; 44.5; 119; 14Eta Dra ; 2.73; 4700;occ; 89; 0;42752
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14; 5221.9; 04-MAY-2010 19:13:25; Dark ; 56.0; 162; 34Alp Aqr ; 2.94; 5350;occ; 112; 0;42752
15; 5469.6; 04-MAY-2010 19:17:33; Dark ; 64.5; 154; 22Bet Aqr ; 2.90; 5700;occ; 129; 0;42752
16; 5621.2; 04-MAY-2010 19:20:05; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;42752
17; 5837.0; 04-MAY-2010 19:23:40; Dark ; 42.0; 172; Gam Gru ; 3.00; 13100;occ; 84; 0;42752
18; 6791.7; 04-MAY-2010 19:39:35; Dark ; 64.0; 38; 20Eps Sgr ; 1.84; 11000;occ; 128; 0;42753
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3; 759.4; 05-MAY-2010 00:41:26; Dark ; 69.5; 38; 20Eps Sgr ; 1.84; 11000;occ; 139; 0;42756
4; 902.9; 05-MAY-2010 00:43:50; Dark ; 56.5; 25; 35Lam Sco ; 1.62; 28000;occ; 113; 0;42756
5; 1077.2; 05-MAY-2010 00:46:44; Dark ; 55.0; 75; 26Eps Sco ; 2.29; 4250;occ; 110; 0;42756
6; 1291.4; 05-MAY-2010 00:50:18; Dark ; 63.5; 16; 21Alp Sco ; 1.02; 3000;occ; 127; 0;42756
7; 1416.0; 05-MAY-2010 00:52:23; Dark ; 58.5; 80; 7Del Sco ; 2.32; 30000;occ; 117; 0;42756
8; 1596.3; 05-MAY-2010 00:55:23; Bright; 41.5; 122; 9Alp2Lib ; 2.75; 9700;occ; 83; 0;42756
9; 1725.7; 05-MAY-2010 00:57:33; Bright; 45.5; 104; 27Bet Lib ; 2.61; 13100;occ; 91; 0;42756
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11; 2429.5; 05-MAY-2010 01:09:16; Bright; 45.0; 83; ; 2.38; 11000;occ; 90; 0;42756
12; 2613.0; 05-MAY-2010 01:12:20; Bright; 38.0; 180; 27Gam Boo ; 3.04; 8000;occ; 76; 0;42756
13; 3176.8; 05-MAY-2010 01:21:44; Bright; 44.0; 119; 14Eta Dra ; 2.73; 4700;occ; 88; 0;42756
14; 3810.8; 05-MAY-2010 01:32:18; Bright; 44.5; 89; 5Alp Cep ; 2.45; 8000;occ; 89; 0;42756
15; 4546.4; 05-MAY-2010 01:44:33; Dark ; 58.0; 93; 53Bet Peg ; 2.52; 3100;occ; 116; 0;42756
16; 4792.3; 05-MAY-2010 01:48:39; Dark ; 44.0; 90; 54Alp Peg ; 2.49; 11000;occ; 88; 0;42756
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3; -409.6; 05-MAY-2010 02:02:33; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;42756
4; -195.8; 05-MAY-2010 02:06:07; Dark ; 40.5; 172; Gam Gru ; 3.00; 13100;occ; 81; 0;42756
5; 760.8; 05-MAY-2010 02:22:04; Dark ; 66.0; 38; 20Eps Sgr ; 1.84; 11000;occ; 132; 0;42757
6; 903.7; 05-MAY-2010 02:24:27; Dark ; 54.5; 25; 35Lam Sco ; 1.62; 28000;occ; 109; 0;42757
7; 1077.8; 05-MAY-2010 02:27:21; Dark ; 62.0; 75; 26Eps Sco ; 2.29; 4250;occ; 124; 0;42757
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6; -559.1; 05-MAY-2010 03:40:40; Dark ; 63.0; 154; 22Bet Aqr ; 2.90; 5700;occ; 126; 0;42757
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8; 763.1; 05-MAY-2010 05:43:18; Dark ; 74.5; 38; 20Eps Sgr ; 1.84; 11000;occ; 149; 0;42759
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15; 2113.9; 05-MAY-2010 06:05:49; Bright; 29.0; 102; 24Alp Ser ; 2.60; 4250;occ; 58; 0;42759
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3; -1242.6; 05-MAY-2010 06:50:28; Dark ; 46.0; 90; 54Alp Peg ; 2.49; 11000;occ; 92; 0;42759
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 11; 5650.6; 06-MAY-2010 08:13:45; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;42774
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 13; 6818.6; 06-MAY-2010 08:33:12; Dark ; 65.5; 38; 20Eps Sgr ; 1.84; 11000;occ; 131; 0;42775
 14; 6955.2; 06-MAY-2010 08:35:29; Dark ; 58.0; 25; 35Lam Sco ; 1.62; 28000;occ; 116; 0;42775
 15; 7125.2; 06-MAY-2010 08:38:19; Dark ; 57.0; 75; 26Eps Sco ; 2.29; 4250;occ; 114; 0;42775
 16; 7335.5; 06-MAY-2010 08:41:49; Dark ; 66.5; 16; 21Alp Sco ; 1.02; 3000;occ; 133; 0;42775
 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
 19; 7761.2; 06-MAY-2010 08:48:55; Bright; 43.0; 104; 27Bet Lib ; 2.61; 13100;occ; 86; 0;42775

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 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
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 9; 4799.3; 06-MAY-2010 09:40:09; Dark ; 50.0; 90; 54Alp Peg ; 2.49; 11000;occ; 100; 0;42775
 10; 5244.3; 06-MAY-2010 09:47:34; Dark ; 62.5; 162; 34Alp Aqr ; 2.94; 5350;occ; 125; 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
 12; 5653.3; 06-MAY-2010 11:34:59; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;42776
 13; 5856.9; 06-MAY-2010 11:38:23; Dark ; 43.0; 172; Gam Gru ; 3.00; 13100;occ; 86; 0;42776
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16; 7126.1; 06-MAY-2010 11:59:32; Dark ; 60.0; 75; 26Eps Sco ; 2.29; 4250;occ; 120; 0;42777
17; 7336.0; 06-MAY-2010 12:03:02; Dark ; 69.5; 16; 21Alp Sco ; 1.02; 3000;occ; 139; 0;42777
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 9; 4550.4; 06-MAY-2010 12:57:12; Dark ; 53.5; 93; 53Bet Peg ; 2.52; 3100;occ; 107; 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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14; 6822.2; 06-MAY-2010 13:35:04; Dark ; 68.5; 38; 20Eps Sgr ; 1.84; 11000;occ; 137; 0;42778
15; 6957.8; 06-MAY-2010 13:37:19; Dark ; 57.0; 25; 35Lam Sco ; 1.62; 28000;occ; 114; 0;42778
16; 7127.2; 06-MAY-2010 13:40:09; Dark ; 54.5; 75; 26Eps Sco ; 2.29; 4250;occ; 109; 0;42778
17; 7336.6; 06-MAY-2010 13:43:38; Dark ; 70.5; 16; 21Alp Sco ; 1.02; 3000;occ; 141; 0;42778
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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
 6; 2420.9; 06-MAY-2010 14:02:18; Bright; 41.5; 83; ; 2.38; 11000;occ; 83; 0;42778
 7; 2514.8; 06-MAY-2010 14:03:52; Bright; 51.0; 67; 5Alp CrB ; 2.22; 11000;occ; 102; 0;42778
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 9; 3803.4; 06-MAY-2010 14:25:21; Bright; 44.5; 89; 5Alp Cep ; 2.45; 8000;occ; 89; 0;42778
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11; 4800.8; 06-MAY-2010 14:41:58; Dark ; 48.5; 90; 54Alp Peg ; 2.49; 11000;occ; 97; 0;42778
12; 5247.5; 06-MAY-2010 14:49:25; Dark ; 57.0; 162; 34Alp Aqr ; 2.94; 5350;occ; 114; 0;42778
13; 5656.2; 06-MAY-2010 14:56:14; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;42778
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 2; 683.9; 06-MAY-2010 16:54:33; Dark ; 45.0; 141; Bet Ara ; 2.84; 4600;occ; 90; 0;42780
 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
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 3; -99.0; 06-MAY-2010 23:23:54; Dark ; 50.0; 31; Alp Gru ; 1.73; 15200;occ; 100; 0;42783
 4; 235.4; 06-MAY-2010 23:29:29; Dark ; 40.5; 45; Alp Pav ; 1.94; 26000;occ; 81; 0;42784
 5; 686.1; 06-MAY-2010 23:36:59; Dark ; 42.0; 141; Bet Ara ; 2.84; 4600;occ; 84; 0;42784
 6; 816.8; 06-MAY-2010 23:39:10; Dark ; 55.0; 40; The Sco ; 1.86; 7100;occ; 110; 0;42784
 7; 932.0; 06-MAY-2010 23:41:05; Dark ; 39.0; 115; 34Ups Sco ; 2.70; 26000;occ; 78; 0;42784
 8; 1094.6; 06-MAY-2010 23:43:48; Dark ; 59.5; 75; 26Eps Sco ; 2.29; 4250;occ; 119; 0;42784
 9; 1333.9; 06-MAY-2010 23:47:47; Dark ; 25.0; 156; 20Sig Sco ; 2.90; 28000;occ; 50; 0;42784
10; 1423.3; 06-MAY-2010 23:49:16; Dark ; 52.5; 80; 7Del Sco ; 2.32; 30000;occ; 105; 0;42784
11; 1599.4; 06-MAY-2010 23:52:13; Bright; 41.0; 122; 9Alp2Lib ; 2.75; 9700;occ; 82; 0;42784
12; 1725.1; 06-MAY-2010 23:54:18; Bright; 45.0; 104; 27Bet Lib ; 2.61; 13100;occ; 90; 0;42784
13; 2223.4; 07-MAY-2010 00:02:37; Bright; 36.5; 111; 8Eta Boo ; 2.68; 6000;occ; 73; 0;42784
14; 2418.7; 07-MAY-2010 00:05:52; Bright; 40.0; 83; ; 2.38; 11000;occ; 80; 0;42784
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16; 2754.9; 07-MAY-2010 00:11:28; Bright; 37.0; 39; 85Eta UMa ; 1.85; 24000;occ; 74; 0;42784
17; 2842.0; 07-MAY-2010 00:12:55; Bright; 37.5; 55; 79Zet UMa ; 2.06; 10200;occ; 75; 0;42784
18; 3160.7; 07-MAY-2010 00:18:14; Bright; 44.0; 119; 14Eta Dra ; 2.73; 4700;occ; 88; 0;42784
19; 3801.2; 07-MAY-2010 00:28:54; Bright; 43.0; 89; 5Alp Cep ; 2.45; 8000;occ; 86; 0;42784
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21; 4551.9; 07-MAY-2010 00:41:25; Dark ; 52.5; 93; 53Bet Peg ; 2.52; 3100;occ; 105; 0;42784
22; 4802.8; 07-MAY-2010 00:45:36; Dark ; 46.5; 90; 54Alp Peg ; 2.49; 11000;occ; 93; 0;42784

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 7; 2604.4; 06-MAY-2010 17:26:34; Bright; 41.0; 180; 27Gam Boo ; 3.04; 8000;occ; 82; 0;42780
 8; 2755.5; 06-MAY-2010 17:29:05; Bright; 39.0; 39; 85Eta UMa ; 1.85; 24000;occ; 78; 0;42780
 9; 2842.1; 06-MAY-2010 17:30:32; Bright; 37.0; 55; 79Zet UMa ; 2.06; 10200;occ; 74; 0;42780
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 5; 2223.5; 06-MAY-2010 19:00:49; Bright; 36.5; 111; 8Eta Boo ; 2.68; 6000;occ; 73; 0;42781
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 8; 2755.4; 06-MAY-2010 19:09:41; Bright; 36.5; 39; 85Eta UMa ; 1.85; 24000;occ; 73; 0;42781
 9; 2842.2; 06-MAY-2010 19:11:08; Bright; 36.0; 55; 79Zet UMa ; 2.06; 10200;occ; 72; 0;42781
 10; 3203.3; 06-MAY-2010 19:17:09; Bright; 39.0; 60; 7Bet UMi ; 2.08; 3950;occ; 78; 0;42781
 11; 3802.0; 06-MAY-2010 19:27:07; Bright; 42.5; 89; 5Alp Cep ; 2.45; 8000;occ; 85; 0;42781
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 6; 817.7; 07-MAY-2010 01:19:47; Dark ; 47.5; 40; The Sco ; 1.86; 7100;occ; 95; 0;42785
 7; 932.7; 07-MAY-2010 01:21:42; Dark ; 39.0; 115; 34Ups Sco ; 2.70; 26000;occ; 78; 0;42785
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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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9; 2599.1; 07-MAY-2010 20:16:04; Bright; 41.5; 180; 27Gam Boo ; 3.04; 8000;occ; 83; 0;42796
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2;	1725.2;	10-MAY-2010	13:24:51;	Bright;	42.0;	104;	27Bet Lib	;	2.61;	13100;occ;	84;	0;	42835	
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	
5;	2588.1;	10-MAY-2010	13:39:14;	Bright;	39.0;	180;	27Gam Boo	;	3.04;	8000;occ;	78;	0;	42835	
6;	2748.9;	10-MAY-2010	13:41:54;	Bright;	36.0;	39;	85Eta UMa	;	1.85;	24000;occ;	72;	0;	42835	
7;	3782.3;	10-MAY-2010	13:59:08;	Bright;	43.0;	89;	5Alp Cep	;	2.45;	8000;occ;	86;	0;	42835	
8;	3964.7;	10-MAY-2010	14:02:10;	Bright;	54.0;	74;	11Bet Cas	;	2.27;	6600;occ;	108;	0;	42835	
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9; 3782.0; 10-MAY-2010 15:39:43; Bright; 44.0; 89; 5Alp Cep ; 2.45; 8000;occ; 88; 0;42836
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17; 6765.9; 12-MAY-2010 10:24:26; Dark ; 45.0; 141; Bet Ara ; 2.84; 4600;occ; 90; 0;42862
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14; 1144.1; 13-MAY-2010 06:38:31; Dark ; 53.5; 75; 26Eps Sco ; 2.29; 4250;occ; 107; 0;42874
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17; 1610.4; 13-MAY-2010 06:46:17; Bright; 38.5; 122; 9Alp2Lib ; 2.75; 9700;occ; 77; 0;42874
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16; 1445.2; 13-MAY-2010 08:24:08; Dark ; 51.0; 80; 7Del Sco ; 2.32; 30000;occ; 102; 0;42875
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14; 4858.5; 15-MAY-2010 18:21:23; Dark ; 54.0; 90; 54Alp Peg ; 2.49; 11000;occ; 108; 0;42909
15; 5674.7; 15-MAY-2010 18:34:59; Dark ; 45.5; 18; 24Alp PsA ; 1.17; 9700;occ; 91; 0;42909
16; 5823.0; 15-MAY-2010 18:37:27; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;42909
17; 6024.7; 15-MAY-2010 18:40:49; Dark ; 42.5; 31; Alp Gru ; 1.73; 15200;occ; 85; 0;42909
18; 6358.8; 15-MAY-2010 18:46:23; Dark ; 41.5; 45; Alp Pav ; 1.94; 26000;occ; 83; 0;42910
19; 6791.4; 15-MAY-2010 18:53:36; Dark ; 44.0; 141; Bet Ara ; 2.84; 4600;occ; 88; 0;42910
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3; 1161.8; 15-MAY-2010 19:00:22; Dark ; 52.0; 75; 26Eps Sco ; 2.29; 4250;occ; 104; 0;42910
4; 1348.6; 15-MAY-2010 19:03:29; Dark ; 61.0; 16; 21Alp Sco ; 1.02; 3000;occ; 122; 0;42910
5; 1506.1; 15-MAY-2010 19:06:07; Bright; 45.5; 97; 8Bet1Sco ; 2.56; 30000;occ; 91; 0;42910

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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
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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
16; 4860.0; 15-MAY-2010 21:42:36; Dark ; 54.0; 90; 54Alp Peg ; 2.49; 11000;occ; 108; 0;42911

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3; -9.6; 15-MAY-2010 22:02:03; Dark ; 43.0; 31; Alp Gru ; 1.73; 15200;occ; 86; 0;42911
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
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9; 1349.3; 16-MAY-2010 00:05:17; Dark ; 63.0; 16; 21Alp Sco ; 1.02; 3000;occ; 126; 0;42913
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
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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
 24; 6028.7; 16-MAY-2010 03:03:53; Dark ; 43.5; 31; Alp Gru ; 1.73; 15200;occ; 87; 0;42914
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 26; 6794.1; 16-MAY-2010 03:16:38; Dark ; 46.0; 141; Bet Ara ; 2.84; 4600;occ; 92; 0;42915
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 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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 6; -1174.4; 16-MAY-2010 04:25:01; Dark ; 53.5; 90; 54Alp Peg ; 2.49; 11000;occ; 107; 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
 10; 326.8; 16-MAY-2010 04:50:03; Dark ; 43.0; 45; Alp Pav ; 1.94; 26000;occ; 86; 0;42916
 11; 758.3; 16-MAY-2010 04:57:14; Dark ; 44.0; 141; Bet Ara ; 2.84; 4600;occ; 88; 0;42916
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22; 3091.8; 16-MAY-2010 05:36:08; Bright; 41.0; 119; 14Eta Dra ; 2.73; 4700;occ; 82; 0;42916
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2;-2074.4; 16-MAY-2010 05:50:38; Bright; 52.5; 74; 11Bet Cas ; 2.27; 6600;occ; 105; 0;42916
3;-1521.5; 16-MAY-2010 05:59:50; Dark ; 46.5; 58; 21Alp And ; 2.07; 11000;occ; 93; 0;42916
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10; 758.8; 16-MAY-2010 06:37:51; Dark ; 45.0; 141; Bet Ara ; 2.84; 4600;occ; 90; 0;42917
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13; 1034.0; 17-MAY-2010 07:51:25; Dark ; 52.0; 25; 35Lam Sco ; 1.62; 28000;occ; 104; 0;42932
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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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 17; 6804.3; 17-MAY-2010 14:29:23; Dark ; 48.5; 141; Bet Ara ; 2.84; 4600;occ; 97; 0;42936
 18; 6988.8; 17-MAY-2010 14:32:27; Dark ; 55.0; 38; 20Eps Sgr ; 1.84; 11000;occ; 110; 0;42936
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 5; 2379.1; 17-MAY-2010 14:56:13; Bright; 37.5; 83; ; 2.38; 11000;occ; 75; 0;42936
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 7; 3082.8; 17-MAY-2010 15:07:57; Bright; 37.0; 119; 14Eta Dra ; 2.73; 4700;occ; 74; 0;42936
 8; 3739.3; 17-MAY-2010 15:18:54; Bright; 47.0; 89; 5Alp Cep ; 2.45; 8000;occ; 94; 0;42936
 9; 3960.5; 17-MAY-2010 15:22:35; Bright; 55.0; 74; 11Bet Cas ; 2.27; 6600;occ; 110; 0;42936
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 11; 4770.0; 17-MAY-2010 15:36:04; Dark ; 41.5; 140; 88Gam Peg ; 2.83; 26000;occ; 83; 0;42936
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 13; 5696.9; 17-MAY-2010 15:51:31; Dark ; 52.5; 18; 24Alp PsA ; 1.17; 9700;occ; 105; 0;42936
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 18; 6805.2; 17-MAY-2010 16:10:00; Dark ; 40.5; 141; Bet Ara ; 2.84; 4600;occ; 81; 0;42937
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 21; 7210.1; 17-MAY-2010 16:16:44; Dark ; 51.0; 75; 26Eps Sco ; 2.29; 4250;occ; 102; 0;42937

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 4; 1852.4; 17-MAY-2010 16:28:03; Bright; 48.5; 120; 1Del Oph ; 2.73; 3200;occ; 97; 0;42937
 5; 2041.6; 17-MAY-2010 16:31:12; Bright; 43.5; 102; 24Alp Ser ; 2.60; 4250;occ; 87; 0;42937
 6; 2378.8; 17-MAY-2010 16:36:49; Bright; 37.0; 83; ; 2.38; 11000;occ; 74; 0;42937
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 8; 3082.2; 17-MAY-2010 16:48:33; Bright; 42.5; 119; 14Eta Dra ; 2.73; 4700;occ; 85; 0;42937
 9; 3738.9; 17-MAY-2010 16:59:29; Bright; 45.5; 89; 5Alp Cep ; 2.45; 8000;occ; 91; 0;42937
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 17; 6046.3; 17-MAY-2010 17:37:57; Dark ; 44.0; 31; Alp Gru ; 1.73; 15200;occ; 88; 0;42938
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 19; 6805.5; 17-MAY-2010 17:50:36; Dark ; 50.0; 141; Bet Ara ; 2.84; 4600;occ; 100; 0;42938
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 21; 6805.9; 17-MAY-2010 19:31:12; Dark ; 51.5; 141; Bet Ara ; 2.84; 4600;occ; 103; 0;42939
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 11; 1511.3; 18-MAY-2010 00:45:21; Bright; 46.5; 97; 8Bet1Sco ; 2.56; 30000;occ; 93; 0;42942
 12; 1728.4; 18-MAY-2010 00:48:58; Bright; 40.0; 104; 27Bet Lib ; 2.61; 13100;occ; 80; 0;42942
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 21; 4771.9; 18-MAY-2010 01:39:42; Dark ; 44.0; 140; 88Gam Peg ; 2.83; 26000;occ; 88; 0;42942
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6; 774.6; 18-MAY-2010 02:13:40; Dark ; 46.0; 141; Bet Ara ; 2.84; 4600;occ; 92; 0;42943
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11; 836.7; 18-MAY-2010 03:55:19; Dark ; 43.5; 147; Alp Ara ; 2.88; 26000;occ; 87; 0;42944
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3;-1516.6; 18-MAY-2010 06:37:17; Dark ; 46.0; 58; 21Alp And ; 2.07; 11000;occ; 92; 0;42945
4;-1262.9; 18-MAY-2010 06:41:31; Dark ; 43.5; 140; 88Gam Peg ; 2.83; 26000;occ; 87; 0;42945

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9; 16.5; 18-MAY-2010 07:02:50; Dark ; 43.5; 31; Alp Gru ; 1.73; 15200;occ; 87; 0;42946
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11; 837.9; 18-MAY-2010 07:16:32; Dark ; 42.5; 147; Alp Ara ; 2.88; 26000;occ; 85; 0;42946
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4; 2377.8; 18-MAY-2010 07:42:12; Bright; 41.0; 83; ; 2.38; 11000;occ; 82; 0;42946
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6; 3078.0; 18-MAY-2010 07:53:52; Bright; 42.0; 119; 14Eta Dra ; 2.73; 4700;occ; 84; 0;42946
7; 3734.3; 18-MAY-2010 08:04:48; Bright; 47.0; 89; 5Alp Cep ; 2.45; 8000;occ; 94; 0;42946
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9; 4519.5; 18-MAY-2010 08:17:53; Dark ; 43.0; 58; 21Alp And ; 2.07; 11000;occ; 86; 0;42946
10; 4773.1; 18-MAY-2010 08:22:07; Dark ; 41.0; 140; 88Gam Peg ; 2.83; 26000;occ; 82; 0;42946
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8; 4519.7; 18-MAY-2010 09:58:29; Dark ; 47.5; 58; 21Alp And ; 2.07; 11000;occ; 95; 0;42947
9; 4773.5; 18-MAY-2010 10:02:43; Dark ; 42.5; 140; 88Gam Peg ; 2.83; 26000;occ; 85; 0;42947
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16; 6874.9; 18-MAY-2010 10:37:45; Dark ; 41.5; 147; Alp Ara ; 2.88; 26000;occ; 83; 0;42948
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19; 7214.9; 18-MAY-2010 10:43:25; Dark ; 52.5; 75; 26Eps Sco ; 2.29; 4250;occ; 105; 0;42948
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4; 2566.3; 18-MAY-2010 11:06:32; Bright; 35.5; 180; 27Gam Boo ; 3.04; 8000;occ; 71; 0;42948
5; 3077.0; 18-MAY-2010 11:15:03; Bright; 43.0; 119; 14Eta Dra ; 2.73; 4700;occ; 86; 0;42948
6; 3733.8; 18-MAY-2010 11:25:59; Bright; 43.5; 89; 5Alp Cep ; 2.45; 8000;occ; 87; 0;42948
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9; 4773.8; 18-MAY-2010 11:43:19; Dark ; 43.0; 140; 88Gam Peg ; 2.83; 26000;occ; 86; 0;42948

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9; 4774.1; 18-MAY-2010 13:23:56; Dark ; 45.0; 140; 88Gam Peg ; 2.83; 26000;occ; 90; 0;42949
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12; 5962.9; 18-MAY-2010 13:43:44; Dark ; 58.0; 63; Bet Gru ; 2.15; 2800;occ; 116; 0;42949
13; 6055.6; 18-MAY-2010 13:45:17; Dark ; 51.0; 31; Alp Gru ; 1.73; 15200;occ; 102; 0;42950
14; 6387.1; 18-MAY-2010 13:50:49; Dark ; 41.5; 45; Alp Pav ; 1.94; 26000;occ; 83; 0;42950
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21; 4528.1; 21-MAY-2010 23:29:10; Dark ; 48.0; 58; 21Alp And ; 2.07; 11000;occ; 96; 0;42998
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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 4; 59.3; 21-MAY-2010 23:55:17; Dark ; 43.5; 31; Alp Gru ; 1.73; 15200;occ; 87; 0;42999
 5; 385.4; 22-MAY-2010 00:00:43; Dark ; 42.5; 45; Alp Pav ; 1.94; 26000;occ; 85; 0;42999
 6; 798.6; 22-MAY-2010 00:07:36; Dark ; 49.5; 141; Bet Ara ; 2.84; 4600;occ; 99; 0;42999
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 9; 1199.8; 22-MAY-2010 00:14:18; Dark ; 48.5; 75; 26Eps Sco ; 2.29; 4250;occ; 97; 0;42999
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13; 1843.0; 22-MAY-2010 00:25:01; Bright; 45.0; 120; 1Del Oph ; 2.73; 3200;occ; 90; 0;42999
14; 2028.3; 22-MAY-2010 00:28:06; Bright; 41.0; 102; 24Alp Ser ; 2.60; 4250;occ; 82; 0;42999
15; 2371.3; 22-MAY-2010 00:33:49; Bright; 36.0; 83; ; 2.38; 11000;occ; 72; 0;42999
16; 2561.1; 22-MAY-2010 00:36:59; Bright; 35.5; 180; 27Gam Boo ; 3.04; 8000;occ; 71; 0;42999
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21; 4528.4; 22-MAY-2010 01:09:46; Dark ; 47.0; 58; 21Alp And ; 2.07; 11000;occ; 94; 0;42999
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 5; 386.4; 22-MAY-2010 01:41:20; Dark ; 44.0; 45; Alp Pav ; 1.94; 26000;occ; 88; 0;43000
 6; 799.0; 22-MAY-2010 01:48:13; Dark ; 42.0; 141; Bet Ara ; 2.84; 4600;occ; 84; 0;43000
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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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16; 2561.3; 22-MAY-2010 02:17:35; Bright; 37.0; 180; 27Gam Boo ; 3.04; 8000;occ; 74; 0;43000
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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 8; 799.5; 22-MAY-2010 03:28:49; Dark ; 47.5; 141; Bet Ara ; 2.84; 4600;occ; 95; 0;43001
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14; 1732.3; 22-MAY-2010 03:44:22; Bright; 38.5; 104; 27Bet Lib ; 2.61; 13100;occ; 77; 0;43001
15; 1843.1; 22-MAY-2010 03:46:13; Bright; 45.0; 120; 1Del Oph ; 2.73; 3200;occ; 90; 0;43001
16; 2028.5; 22-MAY-2010 03:49:18; Bright; 40.5; 102; 24Alp Ser ; 2.60; 4250;occ; 81; 0;43001
17; 2371.5; 22-MAY-2010 03:55:01; Bright; 36.5; 83; ; 2.38; 11000;occ; 73; 0;43001
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19; 3054.8; 22-MAY-2010 04:06:24; Bright; 41.0; 119; 14Eta Dra ; 2.73; 4700;occ; 82; 0;43001
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 4; -1244.8; 22-MAY-2010 04:35:21; Dark ; 46.5; 140; 88Gam Peg ; 2.83; 26000;occ; 93; 0;43001
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 7; 387.8; 22-MAY-2010 05:02:33; Dark ; 41.5; 45; Alp Pav ; 1.94; 26000;occ; 83; 0;43002
 8; 799.9; 22-MAY-2010 05:09:25; Dark ; 50.0; 141; Bet Ara ; 2.84; 4600;occ; 100; 0;43002
 9; 964.3; 22-MAY-2010 05:12:10; Dark ; 56.0; 40; The Sco ; 1.86; 7100;occ; 112; 0;43002
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 11; 1201.3; 22-MAY-2010 05:16:07; Dark ; 46.0; 75; 26Eps Sco ; 2.29; 4250;occ; 92; 0;43002
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 13; 1521.1; 22-MAY-2010 05:21:27; Bright; 42.0; 97; 8Bet1Sco ; 2.56; 30000;occ; 84; 0;43002
 14; 1732.4; 22-MAY-2010 05:24:58; Bright; 38.5; 104; 27Bet Lib ; 2.61; 13100;occ; 77; 0;43002
 15; 1842.7; 22-MAY-2010 05:26:48; Bright; 46.0; 120; 1Del Oph ; 2.73; 3200;occ; 92; 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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 4; 1377.8; 22-MAY-2010 20:24:27; Dark ; 52.0; 16; 21Alp Sco ; 1.02; 3000;occ; 104; 0;43011
 5; 1522.8; 22-MAY-2010 20:26:52; Bright; 43.0; 97; 8Bet1Sco ; 2.56; 30000;occ; 86; 0;43011
 6; 1733.4; 22-MAY-2010 20:30:22; Bright; 38.0; 104; 27Bet Lib ; 2.61; 13100;occ; 76; 0;43011
 7; 1841.6; 22-MAY-2010 20:32:11; Bright; 44.5; 120; 1Del Oph ; 2.73; 3200;occ; 89; 0;43011
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 9; 2370.8; 22-MAY-2010 20:41:00; Bright; 36.5; 83; ; 2.38; 11000;occ; 73; 0;43011
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 11; 3050.8; 22-MAY-2010 20:52:20; Bright; 42.5; 119; 14Eta Dra ; 2.73; 4700;occ; 85; 0;43011
 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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 5; -279.3; 22-MAY-2010 06:32:02; Dark ; 59.5; 18; 24Alp PsA ; 1.17; 9700;occ; 119; 0;43002
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 21; 7411.8; 22-MAY-2010 10:20:49; Dark ; 54.0; 16; 21Alp Sco ; 1.02; 3000;occ; 108; 0;43005
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17; 6838.3; 22-MAY-2010 13:32:27; Dark ; 43.5; 141; Bet Ara ; 2.84; 4600;occ; 87; 0;43007
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2; -174.3; 24-MAY-2010 23:57:08; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;43041
3; -6.8; 24-MAY-2010 23:59:56; Dark ; 48.5; 63; Bet Gru ; 2.15; 2800;occ; 97; 0;43041
4; 96.1; 25-MAY-2010 00:01:39; Dark ; 45.5; 31; Alp Gru ; 1.73; 15200;occ; 91; 0;43042
5; 415.9; 25-MAY-2010 00:06:58; Dark ; 42.0; 45; Alp Pav ; 1.94; 26000;occ; 84; 0;43042
6; 817.7; 25-MAY-2010 00:13:40; Dark ; 43.5; 141; Bet Ara ; 2.84; 4600;occ; 87; 0;43042
7; 985.8; 25-MAY-2010 00:16:28; Dark ; 49.5; 40; The Sco ; 1.86; 7100;occ; 99; 0;43042
8; 1096.1; 25-MAY-2010 00:18:19; Dark ; 49.5; 25; 35Lam Sco ; 1.62; 28000;occ; 99; 0;43042
9; 1215.9; 25-MAY-2010 00:20:18; Dark ; 49.5; 75; 26Eps Sco ; 2.29; 4250;occ; 99; 0;43042
10; 1385.6; 25-MAY-2010 00:23:08; Dark ; 52.0; 16; 21Alp Sco ; 1.02; 3000;occ; 104; 0;43042
11; 1527.9; 25-MAY-2010 00:25:30; Bright; 39.5; 97; 8Bet1Sco ; 2.56; 30000;occ; 79; 0;43042
12; 1735.8; 25-MAY-2010 00:28:58; Bright; 37.5; 104; 27Bet Lib ; 2.61; 13100;occ; 75; 0;43042
13; 1838.6; 25-MAY-2010 00:30:41; Bright; 45.5; 120; 1Del Oph ; 2.73; 3200;occ; 91; 0;43042
14; 2022.4; 25-MAY-2010 00:33:45; Bright; 39.0; 102; 24Alp Ser ; 2.60; 4250;occ; 78; 0;43042
15; 2369.0; 25-MAY-2010 00:39:32; Bright; 38.5; 83; ; 2.38; 11000;occ; 77; 0;43042
16; 3038.7; 25-MAY-2010 00:50:41; Bright; 38.5; 119; 14Eta Dra ; 2.73; 4700;occ; 77; 0;43042
17; 3170.6; 25-MAY-2010 00:52:53; Bright; 38.0; 60; 7Bet UMi ; 2.08; 3950;occ; 76; 0;43042
18; 3935.7; 25-MAY-2010 01:05:38; Bright; 54.0; 76; 27Gam Cas ; 2.30; 30000;occ; 108; 0;43042
19; 4007.7; 25-MAY-2010 01:06:50; Bright; 38.5; 68; 18Alp Cas ; 2.22; 4500;occ; 77; 0;43042
20; 4382.8; 25-MAY-2010 01:13:05; Bright; 39.0; 53; 43Bet And ; 2.05; 3300;occ; 78; 0;43042
21; 4535.9; 25-MAY-2010 01:15:38; Dark ; 44.5; 58; 21Alp And ; 2.07; 11000;occ; 89; 0;43042
22; 4806.4; 25-MAY-2010 01:20:09; Dark ; 46.0; 140; 88Gam Peg ; 2.83; 26000;occ; 92; 0;43042
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1; -2099.6; 24-MAY-2010 06:39:04; Bright; 54.0; 76; 27Gam Cas ; 2.30; 30000;occ; 108; 0;43031
2; -2027.7; 24-MAY-2010 06:40:16; Bright; 55.0; 68; 18Alp Cas ; 2.22; 4500;occ; 110; 0;43031
3; -1654.3; 24-MAY-2010 06:46:29; Bright; 39.0; 53; 43Bet And ; 2.05; 3300;occ; 78; 0;43031
4; -1502.0; 24-MAY-2010 06:49:01; Dark ; 49.0; 58; 21Alp And ; 2.07; 11000;occ; 98; 0;43031
5; -1233.6; 24-MAY-2010 06:53:30; Dark ; 46.5; 140; 88Gam Peg ; 2.83; 26000;occ; 93; 0;43031
6; -703.9; 24-MAY-2010 07:02:19; Dark ; 46.0; 52; 16Bet Cet ; 2.04; 4500;occ; 92; 0;43031
7; -250.9; 24-MAY-2010 07:09:52; Dark ; 53.5; 18; 24Alp PsA ; 1.17; 9700;occ; 107; 0;43031
8; -95.2; 24-MAY-2010 07:12:28; Dark ; 59.0; 0; ; 0.00; 0;occ; 118; 0;43031
9; 87.5; 24-MAY-2010 07:15:31; Dark ; 44.0; 31; Alp Gru ; 1.73; 15200;occ; 88; 0;43032
10; 408.9; 24-MAY-2010 07:20:52; Dark ; 41.5; 45; Alp Pav ; 1.94; 26000;occ; 83; 0;43032
11; 813.4; 24-MAY-2010 07:27:37; Dark ; 49.5; 141; Bet Ara ; 2.84; 4600;occ; 99; 0;43032
12; 980.9; 24-MAY-2010 07:30:24; Dark ; 48.5; 40; The Sco ; 1.86; 7100;occ; 97; 0;43032
13; 1091.3; 24-MAY-2010 07:32:15; Dark ; 48.5; 25; 35Lam Sco ; 1.62; 28000;occ; 97; 0;43032
14; 1212.3; 24-MAY-2010 07:34:16; Dark ; 45.5; 75; 26Eps Sco ; 2.29; 4250;occ; 91; 0;43032
15; 1383.0; 24-MAY-2010 07:37:06; Dark ; 59.5; 16; 21Alp Sco ; 1.02; 3000;occ; 119; 0;43032
16; 1526.1; 24-MAY-2010 07:39:29; Bright; 41.5; 97; 8Bet1Sco ; 2.56; 30000;occ; 83; 0;43032
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2; 1839.9; 24-MAY-2010 07:44:43; Bright; 42.0; 120; 1Del Oph ; 2.73; 3200;occ; 84; 0;43032
3; 2023.5; 24-MAY-2010 07:47:47; Bright; 40.5; 102; 24Alp Ser ; 2.60; 4250;occ; 81; 0;43032
4; 2369.5; 24-MAY-2010 07:53:33; Bright; 37.0; 83; ; 2.38; 11000;occ; 74; 0;43032
5; 3042.5; 24-MAY-2010 08:04:46; Bright; 39.5; 119; 14Eta Dra ; 2.73; 4700;occ; 79; 0;43032
6; 3171.6; 24-MAY-2010 08:06:55; Bright; 39.5; 60; 7Bet UMi ; 2.08; 3950;occ; 79; 0;43032
7; 3936.7; 24-MAY-2010 08:19:40; Bright; 38.0; 76; 27Gam Cas ; 2.30; 30000;occ; 76; 0;43032
8; 4008.2; 24-MAY-2010 08:20:51; Bright; 38.0; 68; 18Alp Cas ; 2.22; 4500;occ; 76; 0;43032
9; 4381.6; 24-MAY-2010 08:27:05; Bright; 38.5; 53; 43Bet And ; 2.05; 3300;occ; 77; 0;43032
10; 4534.3; 24-MAY-2010 08:29:38; Dark ; 49.0; 58; 21Alp And ; 2.07; 11000;occ; 98; 0;43032
11; 4802.7; 24-MAY-2010 08:34:06; Dark ; 45.0; 140; 88Gam Peg ; 2.83; 26000;occ; 90; 0;43032
12; 5332.1; 24-MAY-2010 08:42:55; Dark ; 48.0; 52; 16Bet Cet ; 2.04; 4500;occ; 96; 0;43032
13; 5785.9; 24-MAY-2010 08:50:29; Dark ; 53.5; 18; 24Alp PsA ; 1.17; 9700;occ; 107; 0;43032
14; 5881.2; 24-MAY-2010 08:52:05; Dark ; 43.5; 0; ; 0.00; 0;occ; 87; 0;43032

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15; 6022.3; 24-MAY-2010 08:54:26; Dark ; 56.0; 63; Bet Gru ; 2.15; 2800;occ; 112; 0;43032
 16; 6124.5; 24-MAY-2010 08:56:08; Dark ; 54.5; 31; Alp Gru ; 1.73; 15200;occ; 109; 0;43033
 17; 6445.4; 24-MAY-2010 09:01:29; Dark ; 41.0; 45; Alp Pav ; 1.94; 26000;occ; 82; 0;43033
 18; 6850.0; 24-MAY-2010 09:08:13; Dark ; 43.0; 141; Bet Ara ; 2.84; 4600;occ; 86; 0;43033
 19; 7017.2; 24-MAY-2010 09:11:01; Dark ; 47.5; 40; The Sco ; 1.86; 7100;occ; 95; 0;43033
 20; 7127.7; 24-MAY-2010 09:12:51; Dark ; 52.0; 25; 35Lam Sco ; 1.62; 28000;occ; 104; 0;43033
 21; 7248.8; 24-MAY-2010 09:14:52; Dark ; 51.0; 75; 26Eps Sco ; 2.29; 4250;occ; 102; 0;43033
 22; 7419.3; 24-MAY-2010 09:17:43; Dark ; 54.0; 16; 21Alp Sco ; 1.02; 3000;occ; 108; 0;43033
 23; 7562.1; 24-MAY-2010 09:20:05; Bright; 43.0; 97; 8Bet1Sco ; 2.56; 30000;occ; 86; 0;43033
 24; 7771.0; 24-MAY-2010 09:23:34; Bright; 37.0; 104; 27Bet Lib ; 2.61; 13100;occ; 74; 0;43033

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 2; 1839.6; 24-MAY-2010 09:25:19; Bright; 43.5; 120; 1Del Oph ; 2.73; 3200;occ; 87; 0;43033
 3; 2023.6; 24-MAY-2010 09:28:23; Bright; 39.5; 102; 24Alp Ser ; 2.60; 4250;occ; 79; 0;43033
 4; 2369.6; 24-MAY-2010 09:34:09; Bright; 36.5; 83; ; 2.38; 11000;occ; 73; 0;43033
 5; 3042.1; 24-MAY-2010 09:45:21; Bright; 38.5; 119; 14Eta Dra ; 2.73; 4700;occ; 77; 0;43033
 6; 3171.5; 24-MAY-2010 09:47:31; Bright; 34.5; 60; 7Bet UMi ; 2.08; 3950;occ; 69; 0;43033
 7; 3936.3; 24-MAY-2010 10:00:16; Bright; 35.5; 76; 27Gam Cas ; 2.30; 30000;occ; 71; 0;43033
 8; 4008.3; 24-MAY-2010 10:01:28; Bright; 38.0; 68; 18Alp Cas ; 2.22; 4500;occ; 76; 0;43033
 9; 4381.8; 24-MAY-2010 10:07:41; Bright; 38.5; 53; 43Bet And ; 2.05; 3300;occ; 77; 0;43033
 10; 4534.5; 24-MAY-2010 10:10:14; Dark ; 47.5; 58; 21Alp And ; 2.07; 11000;occ; 95; 0;43033
 11; 4803.3; 24-MAY-2010 10:14:43; Dark ; 46.5; 140; 88Gam Peg ; 2.83; 26000;occ; 93; 0;43033
 12; 5332.6; 24-MAY-2010 10:23:32; Dark ; 43.5; 52; 16Bet Cet ; 2.04; 4500;occ; 87; 0;43033
 13; 5787.3; 24-MAY-2010 10:31:07; Dark ; 57.5; 18; 24Alp PsA ; 1.17; 9700;occ; 115; 0;43033
 14; 5877.3; 24-MAY-2010 10:32:37; Dark ; 43.5; 0; ; 0.00; 0;occ; 87; 0;43033
 15; 6023.1; 24-MAY-2010 10:35:02; Dark ; 46.5; 63; Bet Gru ; 2.15; 2800;occ; 93; 0;43033
 16; 6124.9; 24-MAY-2010 10:36:44; Dark ; 44.5; 31; Alp Gru ; 1.73; 15200;occ; 89; 0;43034
 17; 6446.4; 24-MAY-2010 10:42:06; Dark ; 41.0; 45; Alp Pav ; 1.94; 26000;occ; 82; 0;43034
 18; 6850.1; 24-MAY-2010 10:48:49; Dark ; 42.5; 141; Bet Ara ; 2.84; 4600;occ; 85; 0;43034
 19; 7017.5; 24-MAY-2010 10:51:37; Dark ; 49.5; 40; The Sco ; 1.86; 7100;occ; 99; 0;43034
 20; 7128.2; 24-MAY-2010 10:53:27; Dark ; 49.0; 25; 35Lam Sco ; 1.62; 28000;occ; 98; 0;43034
 21; 7249.0; 24-MAY-2010 10:55:28; Dark ; 49.0; 75; 26Eps Sco ; 2.29; 4250;occ; 98; 0;43034
 22; 7419.6; 24-MAY-2010 10:58:19; Dark ; 55.5; 16; 21Alp Sco ; 1.02; 3000;occ; 111; 0;43034
 23; 7562.0; 24-MAY-2010 11:00:41; Bright; 41.5; 97; 8Bet1Sco ; 2.56; 30000;occ; 83; 0;43034

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 2; 1839.1; 24-MAY-2010 11:05:54; Bright; 45.0; 120; 1Del Oph ; 2.73; 3200;occ; 90; 0;43034
 3; 2023.2; 24-MAY-2010 11:08:58; Bright; 39.0; 102; 24Alp Ser ; 2.60; 4250;occ; 78; 0;43034
 4; 2369.6; 24-MAY-2010 11:14:45; Bright; 39.0; 83; ; 2.38; 11000;occ; 78; 0;43034
 5; 3041.5; 24-MAY-2010 11:25:57; Bright; 40.0; 119; 14Eta Dra ; 2.73; 4700;occ; 80; 0;43034
 6; 3171.3; 24-MAY-2010 11:28:06; Bright; 37.0; 60; 7Bet UMi ; 2.08; 3950;occ; 74; 0;43034
 7; 3936.2; 24-MAY-2010 11:40:51; Bright; 54.0; 76; 27Gam Cas ; 2.30; 30000;occ; 108; 0;43034
 8; 4008.3; 24-MAY-2010 11:42:03; Bright; 55.0; 68; 18Alp Cas ; 2.22; 4500;occ; 110; 0;43034
 9; 4382.1; 24-MAY-2010 11:48:17; Bright; 38.0; 53; 43Bet And ; 2.05; 3300;occ; 76; 0;43034
 10; 4534.6; 24-MAY-2010 11:50:50; Dark ; 49.5; 58; 21Alp And ; 2.07; 11000;occ; 99; 0;43034
 11; 4803.4; 24-MAY-2010 11:55:18; Dark ; 45.5; 140; 88Gam Peg ; 2.83; 26000;occ; 91; 0;43034
 12; 5333.2; 24-MAY-2010 12:04:08; Dark ; 45.0; 52; 16Bet Cet ; 2.04; 4500;occ; 90; 0;43034
 13; 5871.3; 24-MAY-2010 12:13:06; Dark ; 54.5; 0; ; 0.00; 0;occ; 109; 0;43034
 14; 6023.8; 24-MAY-2010 12:15:39; Dark ; 51.5; 63; Bet Gru ; 2.15; 2800;occ; 103; 0;43034
 15; 6125.8; 24-MAY-2010 12:17:21; Dark ; 44.0; 31; Alp Gru ; 1.73; 15200;occ; 88; 0;43035
 16; 6447.0; 24-MAY-2010 12:22:42; Dark ; 41.5; 45; Alp Pav ; 1.94; 26000;occ; 83; 0;43035
 17; 6850.8; 24-MAY-2010 12:29:26; Dark ; 48.0; 141; Bet Ara ; 2.84; 4600;occ; 96; 0;43035
 18; 7018.2; 24-MAY-2010 12:32:13; Dark ; 49.0; 40; The Sco ; 1.86; 7100;occ; 98; 0;43035
 19; 7128.7; 24-MAY-2010 12:34:04; Dark ; 48.5; 25; 35Lam Sco ; 1.62; 28000;occ; 97; 0;43035
 20; 7249.3; 24-MAY-2010 12:36:04; Dark ; 49.0; 75; 26Eps Sco ; 2.29; 4250;occ; 98; 0;43035
 21; 7419.9; 24-MAY-2010 12:38:55; Dark ; 60.0; 16; 21Alp Sco ; 1.02; 3000;occ; 120; 0;43035
 22; 7562.5; 24-MAY-2010 12:41:18; Bright; 40.5; 97; 8Bet1Sco ; 2.56; 30000;occ; 81; 0;43035

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 2; 1839.0; 24-MAY-2010 12:46:30; Bright; 43.5; 120; 1Del Oph ; 2.73; 3200;occ; 87; 0;43035
 3; 2023.0; 24-MAY-2010 12:49:34; Bright; 39.5; 102; 24Alp Ser ; 2.60; 4250;occ; 79; 0;43035
 4; 2369.4; 24-MAY-2010 12:55:20; Bright; 35.5; 83; ; 2.38; 11000;occ; 71; 0;43035
 5; 3171.3; 24-MAY-2010 13:08:42; Bright; 38.0; 60; 7Bet UMi ; 2.08; 3950;occ; 76; 0;43035
 6; 3936.2; 24-MAY-2010 13:21:27; Bright; 54.0; 76; 27Gam Cas ; 2.30; 30000;occ; 108; 0;43035
 7; 4007.9; 24-MAY-2010 13:22:39; Bright; 55.0; 68; 18Alp Cas ; 2.22; 4500;occ; 110; 0;43035
 8; 4382.0; 24-MAY-2010 13:28:53; Bright; 38.5; 53; 43Bet And ; 2.05; 3300;occ; 77; 0;43035
 9; 4534.8; 24-MAY-2010 13:31:26; Dark ; 49.0; 58; 21Alp And ; 2.07; 11000;occ; 98; 0;43035
 10; 4803.7; 24-MAY-2010 13:35:55; Dark ; 45.5; 140; 88Gam Peg ; 2.83; 26000;occ; 91; 0;43035

11; 5333.7; 24-MAY-2010 13:44:45; Dark ; 45.5; 52; 16Bet Cet ; 2.04; 4500;occ; 91; 0;43035
 12; 5867.3; 24-MAY-2010 13:53:38; Dark ; 54.5; 0; ; 0.00; 0;occ; 109; 0;43035
 13; 6024.8; 24-MAY-2010 13:56:16; Dark ; 49.0; 63; Bet Gru ; 2.15; 2800;occ; 98; 0;43035
 14; 6126.7; 24-MAY-2010 13:57:58; Dark ; 45.5; 31; Alp Gru ; 1.73; 15200;occ; 91; 0;43036
 15; 6447.5; 24-MAY-2010 14:03:18; Dark ; 46.5; 45; Alp Pav ; 1.94; 26000;occ; 93; 0;43036
 16; 6851.0; 24-MAY-2010 14:10:02; Dark ; 44.0; 141; Bet Ara ; 2.84; 4600;occ; 88; 0;43036
 17; 7018.8; 24-MAY-2010 14:12:50; Dark ; 50.0; 40; The Sco ; 1.86; 7100;occ; 100; 0;43036
 18; 7129.0; 24-MAY-2010 14:14:40; Dark ; 51.0; 25; 35Lam Sco ; 1.62; 28000;occ; 102; 0;43036
 19; 7249.8; 24-MAY-2010 14:16:41; Dark ; 50.0; 75; 26Eps Sco ; 2.29; 4250;occ; 100; 0;43036
 20; 7420.2; 24-MAY-2010 14:19:31; Dark ; 59.5; 16; 21Alp Sco ; 1.02; 3000;occ; 119; 0;43036
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 2; 1735.5; 24-MAY-2010 14:25:22; Bright; 37.5; 104; 27Bet Lib ; 2.61; 13100;occ; 75; 0;43036
 3; 1839.4; 24-MAY-2010 14:27:06; Bright; 43.5; 120; 1Del Oph ; 2.73; 3200;occ; 87; 0;43036
 4; 2022.9; 24-MAY-2010 14:30:10; Bright; 39.5; 102; 24Alp Ser ; 2.60; 4250;occ; 79; 0;43036
 5; 2369.5; 24-MAY-2010 14:35:56; Bright; 38.5; 83; ; 2.38; 11000;occ; 77; 0;43036
 6; 3041.0; 24-MAY-2010 14:47:08; Bright; 41.0; 119; 14Eta Dra ; 2.73; 4700;occ; 82; 0;43036
 7; 3171.4; 24-MAY-2010 14:49:18; Bright; 37.0; 60; 7Bet UMi ; 2.08; 3950;occ; 74; 0;43036
 8; 3936.3; 24-MAY-2010 15:02:03; Bright; 35.5; 76; 27Gam Cas ; 2.30; 30000;occ; 71; 0;43036
 9; 4008.2; 24-MAY-2010 15:03:15; Bright; 43.5; 68; 18Alp Cas ; 2.22; 4500;occ; 87; 0;43036
 10; 4382.1; 24-MAY-2010 15:09:29; Bright; 38.5; 53; 43Bet And ; 2.05; 3300;occ; 77; 0;43036
 11; 4535.0; 24-MAY-2010 15:12:02; Dark ; 46.5; 58; 21Alp And ; 2.07; 11000;occ; 93; 0;43036
 12; 4804.7; 24-MAY-2010 15:16:32; Dark ; 45.5; 140; 88Gam Peg ; 2.83; 26000;occ; 91; 0;43036
 13; 5334.2; 24-MAY-2010 15:25:21; Dark ; 49.5; 52; 16Bet Cet ; 2.04; 4500;occ; 99; 0;43036
 14; 5862.2; 24-MAY-2010 15:34:09; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;43036
 15; 6025.6; 24-MAY-2010 15:36:52; Dark ; 60.0; 63; Bet Gru ; 2.15; 2800;occ; 120; 0;43036
 16; 6127.7; 24-MAY-2010 15:38:35; Dark ; 44.5; 31; Alp Gru ; 1.73; 15200;occ; 89; 0;43037
 17; 6448.4; 24-MAY-2010 15:43:55; Dark ; 43.5; 45; Alp Pav ; 1.94; 26000;occ; 87; 0;43037
 18; 6851.5; 24-MAY-2010 15:50:38; Dark ; 43.0; 141; Bet Ara ; 2.84; 4600;occ; 86; 0;43037
 19; 7019.5; 24-MAY-2010 15:53:26; Dark ; 48.5; 40; The Sco ; 1.86; 7100;occ; 97; 0;43037
 20; 7129.7; 24-MAY-2010 15:55:17; Dark ; 48.0; 25; 35Lam Sco ; 1.62; 28000;occ; 96; 0;43037
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 5; 2023.2; 24-MAY-2010 16:10:46; Bright; 40.0; 102; 24Alp Ser ; 2.60; 4250;occ; 80; 0;43037
 6; 3040.4; 24-MAY-2010 16:27:43; Bright; 42.0; 119; 14Eta Dra ; 2.73; 4700;occ; 84; 0;43037
 7; 3171.2; 24-MAY-2010 16:29:54; Bright; 37.5; 60; 7Bet UMi ; 2.08; 3950;occ; 75; 0;43037
 8; 3936.3; 24-MAY-2010 16:42:39; Bright; 54.0; 76; 27Gam Cas ; 2.30; 30000;occ; 108; 0;43037
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 9; 97.7; 25-MAY-2010 03:22:52; Dark ; 43.5; 31; Alp Gru ; 1.73; 15200;occ; 87; 0;43044
10; 417.5; 25-MAY-2010 03:28:12; Dark ; 41.0; 45; Alp Pav ; 1.94; 26000;occ; 82; 0;43044
11; 818.6; 25-MAY-2010 03:34:53; Dark ; 47.5; 141; Bet Ara ; 2.84; 4600;occ; 95; 0;43044
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4; 2021.4; 25-MAY-2010 13:58:31; Bright; 39.0; 102; 24Alp Ser ; 2.60; 4250;occ; 78; 0;43050
5; 2368.8; 25-MAY-2010 14:04:19; Bright; 37.0; 83; ; 2.38; 11000;occ; 74; 0;43050
6; 3035.6; 25-MAY-2010 14:15:25; Bright; 39.0; 119; 14Eta Dra ; 2.73; 4700;occ; 78; 0;43050
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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
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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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15; 6139.9; 25-MAY-2010 15:07:10; Dark ; 44.0; 31; Alp Gru ; 1.73; 15200;occ; 88; 0;43051
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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6; 2368.9; 25-MAY-2010 15:44:55; Bright; 36.5; 83; ; 2.38; 11000;occ; 73; 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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9; 2020.5; 25-MAY-2010 20:40:54; Bright; 39.5; 102; 24Alp Ser ; 2.60; 4250;occ; 79; 0;43054
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14; 4006.8; 25-MAY-2010 21:14:00; Bright; 39.0; 68; 18Alp Cas ; 2.22; 4500;occ; 78; 0;43054
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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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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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13; 1837.4; 26-MAY-2010 01:39:39; Bright; 43.0; 120; 1Del Oph ; 2.73; 3200;occ; 86; 0;43057
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 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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 18; 2020.4; 26-MAY-2010 06:44:30; Bright; 38.5; 102; 24Alp Ser ; 2.60; 4250;occ; 77; 0;43060
 19; 2383.6; 26-MAY-2010 06:50:33; Bright; 57.0; 67; 5Alp CrB ; 2.22; 11000;occ; 114; 0;43060
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7; 4006.5; 26-MAY-2010 12:19:23; Bright; 39.0; 68; 18Alp Cas ; 2.22; 4500;occ; 78; 0;43063
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 15; 6467.5; 26-MAY-2010 13:00:24; Dark ; 40.5; 45; Alp Pav ; 1.94; 26000;occ; 81; 0;43064
 16; 6863.6; 26-MAY-2010 13:07:00; Dark ; 42.0; 141; Bet Ara ; 2.84; 4600;occ; 84; 0;43064
 17; 7033.8; 26-MAY-2010 13:09:51; Dark ; 48.5; 40; The Sco ; 1.86; 7100;occ; 97; 0;43064
 18; 7143.7; 26-MAY-2010 13:11:41; Dark ; 47.0; 25; 35Lam Sco ; 1.62; 28000;occ; 94; 0;43064
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 5; 434.8; 26-MAY-2010 21:23:27; Dark ; 43.0; 45; Alp Pav ; 1.94; 26000;occ; 86; 0;43069
 6; 829.3; 26-MAY-2010 21:30:02; Dark ; 42.5; 141; Bet Ara ; 2.84; 4600;occ; 85; 0;43069
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 9; 1225.4; 26-MAY-2010 21:36:38; Dark ; 47.5; 75; 26Eps Sco ; 2.29; 4250;occ; 95; 0;43069
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 12; 1738.3; 26-MAY-2010 21:45:11; Bright; 37.0; 104; 27Bet Lib ; 2.61; 13100;occ; 74; 0;43069
 13; 1836.3; 26-MAY-2010 21:46:49; Bright; 42.5; 120; 1Del Oph ; 2.73; 3200;occ; 85; 0;43069
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 16; 3028.7; 26-MAY-2010 22:06:41; Bright; 41.5; 119; 14Eta Dra ; 2.73; 4700;occ; 83; 0;43069

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 4; 120.2; 26-MAY-2010 22:58:49; Dark ; 46.5; 31; Alp Gru ; 1.73; 15200;occ; 93; 0;43070
 5; 435.4; 26-MAY-2010 23:04:04; Dark ; 41.5; 45; Alp Pav ; 1.94; 26000;occ; 83; 0;43070
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 7; 914.5; 28-MAY-2010 22:08:49; Dark ; 42.5; 147; Alp Ara ; 2.88; 26000;occ; 85; 0;43098


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