

GOMOS Daily Report 18-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	21MAY2010 04:52:15
Data source version	GOMOS/5.00L04
Start time of products	18MAY2010 00:00:50
Stop time of products	18MAY2010 23:54:28
Store outputs in DB	Yes
Nb of level 1b prods	119
Nb of prods with errors	0

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

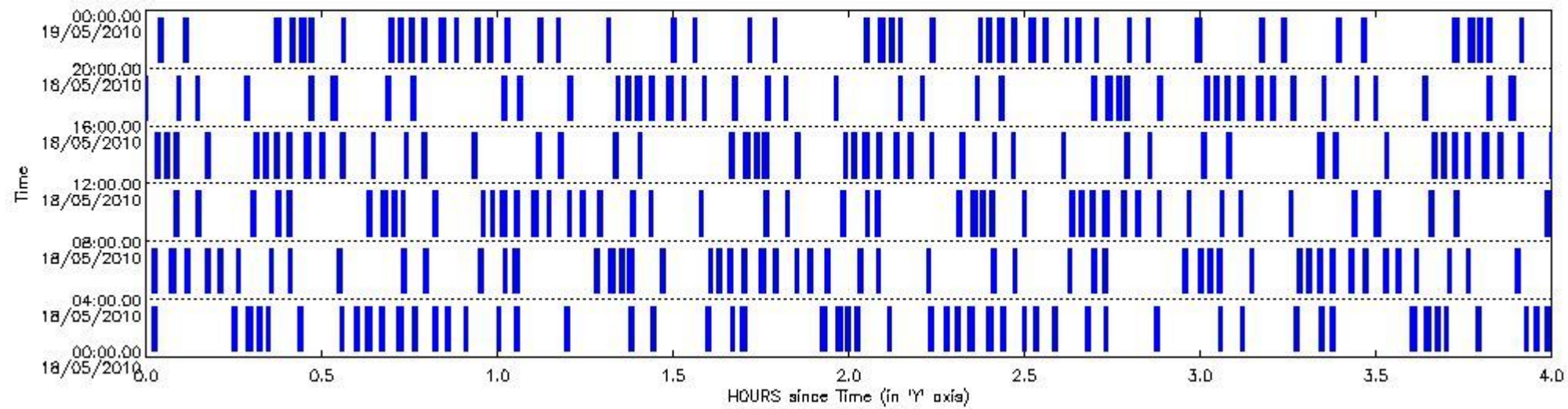
2.1 Level 0 products arrived in PCF (see template [here](#))

2.2 Plot of mission plan versus Level 0 production arrived in PCF during reporting period

Red segments are missing products.

Blue segments are available products.

Green segments are calibration measurements (not available products to users).



2.3 Summary of missing occultations (red segments in previous plot)

No missing products.

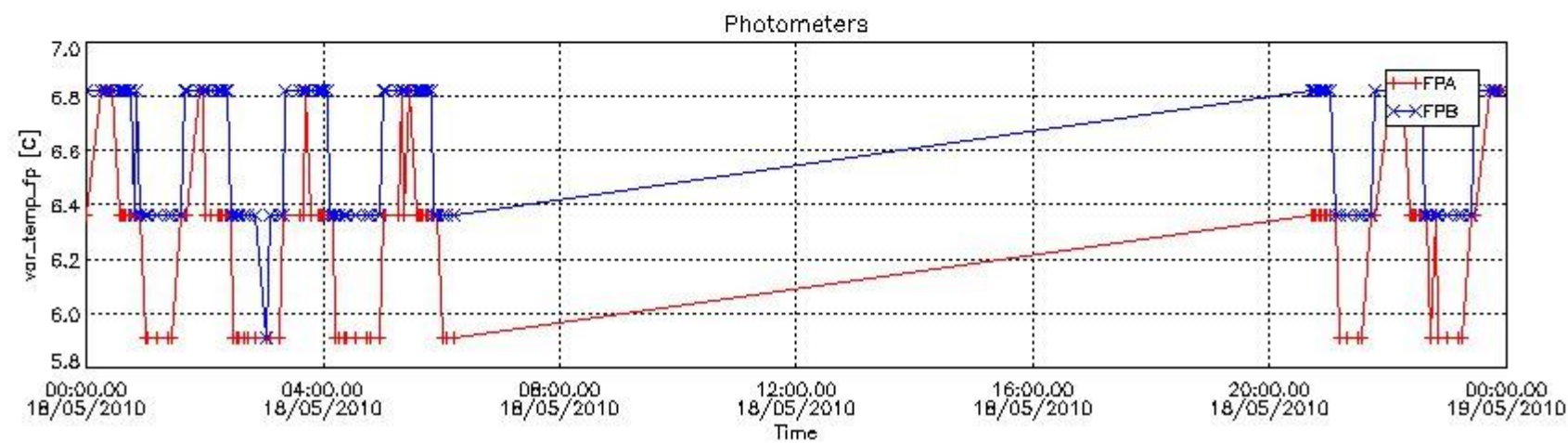
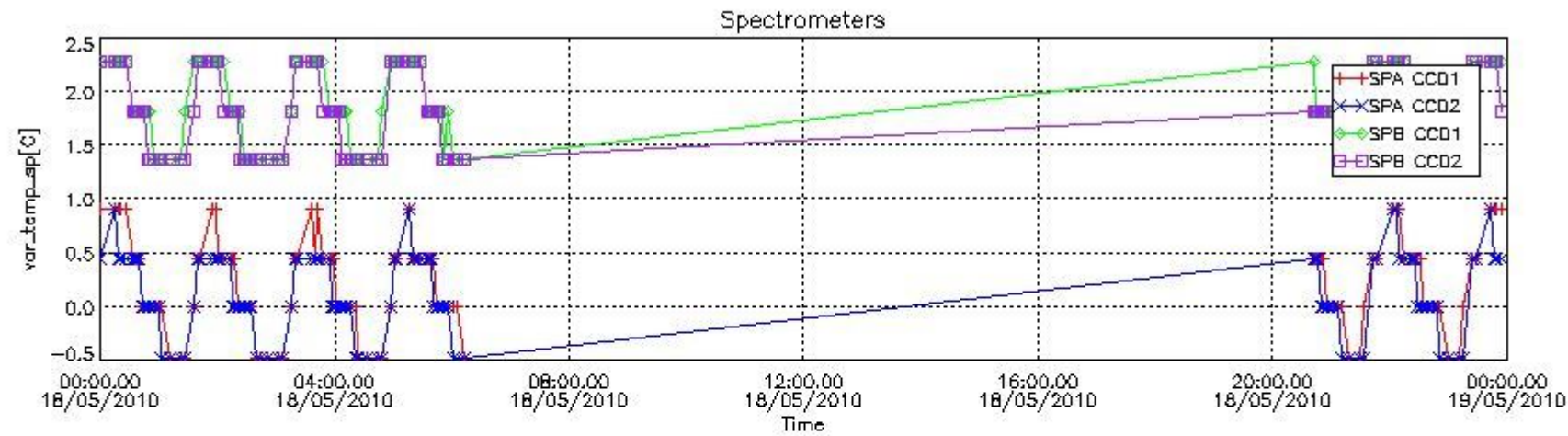
2.4 Summary of processed GOM_TRA_1P products

Nr	Filename	UTC Start time	Limb	Duration	Star Id	Star Name	Star Mag	Star Temp	Nb Meas	Orbit	Prod. error
1	GOM_TRA_1PNPDE20100518_000050_000000582089_00302_42941_2179.N1	18-MAY-2010 00:00:50	Dark	57.500	90	54Alp Peg	2.4870	11000.	115	42941	No
2	GOM_TRA_1PNPDE20100518_001435_000000492089_00302_42941_2179.N1	18-MAY-2010 00:14:35	Dark	48.500	18	24Alp PsA	1.1660	9700.0	97	42941	No
3	GOM_TRA_1PNPDE20100518_001852_000000582089_00302_42941_2180.N1	18-MAY-2010 00:18:52	Dark	58.000	63	Bet Gru	2.1500	2800.0	116	42941	No
4	GOM_TRA_1PNPDE20100518_002023_000000442089_00303_42942_2181.N1	18-MAY-2010 00:20:23	Dark	43.500	31	Alp Gru	1.7340	15200.	87	42942	No
5	GOM_TRA_1PNPDE20100518_002555_000000432089_00303_42942_2182.N1	18-MAY-2010 00:25:55	Dark	42.500	45	Alp Pav	1.9400	26000.	85	42942	No
6	GOM_TRA_1PNPDE20100518_003301_000000442089_00303_42942_2183.N1	18-MAY-2010 00:33:01	Straylight	43.500	141	Bet Ara	2.8400	4600.0	87	42942	No
7	GOM_TRA_1PNPDE20100518_003538_000000482089_00303_42942_2184.N1	18-MAY-2010 00:35:38	Straylight	48.000	40	The Sco	1.8590	7100.0	96	42942	No
8	GOM_TRA_1PNPDE20100518_003730_000000532089_00303_42942_2185.N1	18-MAY-2010 00:37:30	Straylight	52.500	25	35Lam Sco	1.6200	28000.	105	42942	No
9	GOM_TRA_1PNPDE20100518_003946_000000502089_00303_42942_2186.N1	18-MAY-2010 00:39:46	Twilight_stray	50.000	75	26Eps Sco	2.2910	4250.0	100	42942	No
10	GOM_TRA_1PNPDE20100518_004248_000000572089_00303_42942_2187.N1	18-MAY-2010 00:42:48	Twilight_stray	56.500	16	21Alp Sco	1.0200	3000.0	113	42942	No
11	GOM_TRA_1PNPDE20100518_004521_000000472089_00303_42942_2188.N1	18-MAY-2010 00:45:21	Bright	46.500	97	8Bet1Sco	2.5610	30000.	93	42942	No
12	GOM_TRA_1PNPDE20100518_004858_000000402089_00303_42942_2189.N1	18-MAY-2010 00:48:58	Bright	40.000	104	27Bet Lib	2.6140	13100.	80	42942	No

13	GOM_TRA_1PNPDE20100518_005101_000000482089_00303_42942_2190.N1	18-MAY-2010 00:51:01	Bright	48.000	120	1Del Oph	2.7340	3200.0	96	42942	No
14	GOM_TRA_1PNPDE20100518_005410_000000432089_00303_42942_2191.N1	18-MAY-2010 00:54:10	Bright	42.500	102	24Alp Ser	2.6000	4250.0	85	42942	No
15	GOM_TRA_1PNPDE20100518_005948_000000402089_00303_42942_2192.N1	18-MAY-2010 00:59:48	Bright	39.500	83		2.3780	11000.	79	42942	No
16	GOM_TRA_1PNPDE20100518_010257_000000372089_00303_42942_2193.N1	18-MAY-2010 01:02:57	Bright	36.500	180	27Gam Boo	3.0400	8000.0	73	42942	No
17	GOM_TRA_1PNPDE20100518_011130_000000412089_00303_42942_2194.N1	18-MAY-2010 01:11:30	Bright	41.000	119	14Eta Dra	2.7270	4700.0	82	42942	No
18	GOM_TRA_1PNPDE20100518_012227_000000452089_00303_42942_2195.N1	18-MAY-2010 01:22:27	Bright	44.500	89	5Alp Cep	2.4510	8000.0	89	42942	No
19	GOM_TRA_1PNPDE20100518_012609_000000552089_00303_42942_2196.N1	18-MAY-2010 01:26:09	Bright	55.000	74	11Bet Cas	2.2680	6600.0	110	42942	No
20	GOM_TRA_1PNPDE20100518_013529_000000472089_00303_42942_2197.N1	18-MAY-2010 01:35:29	Twilight	46.500	58	21Alp And	2.0730	11000.	93	42942	No
21	GOM_TRA_1PNPDE20100518_013942_000000442089_00303_42942_2198.N1	18-MAY-2010 01:39:42	Dark	44.000	140	88Gam Peg	2.8340	26000.	88	42942	No
22	GOM_TRA_1PNPDE20100518_014127_000000552089_00303_42942_2199.N1	18-MAY-2010 01:41:27	Dark	55.000	90	54Alp Peg	2.4870	11000.	110	42942	No
23	GOM_TRA_1PNPDE20100518_015512_000000552089_00303_42942_2201.N1	18-MAY-2010 01:55:12	Dark	55.000	18	24Alp PsA	1.1660	9700.0	110	42942	No
24	GOM_TRA_1PNPDE20100518_015928_000000462089_00303_42942_2202.N1	18-MAY-2010 01:59:28	Dark	46.000	63	Bet Gru	2.1500	2800.0	92	42942	No
25	GOM_TRA_1PNPDE20100518_020100_000000432089_00304_42943_2203.N1	18-MAY-2010 02:01:00	Dark	42.500	31	Alp Gru	1.7340	15200.	85	42943	No
26	GOM_TRA_1PNPDE20100518_020632_000000412089_00304_42943_2204.N1	18-MAY-2010 02:06:32	Dark	41.000	45	Alp Pav	1.9400	26000.	82	42943	No
27	GOM_TRA_1PNPDE20100518_021340_000000462089_00304_42943_2205.N1	18-MAY-2010 02:13:40	Straylight	46.000	141	Bet Ara	2.8400	4600.0	92	42943	No
28	GOM_TRA_1PNPDE20100518_021615_000000532089_00304_42943_2206.N1	18-MAY-2010 02:16:15	Straylight	53.000	40	The Sco	1.8590	7100.0	106	42943	No
29	GOM_TRA_1PNPDE20100518_021807_000000532089_00304_42943_2207.N1	18-MAY-2010 02:18:07	Straylight	53.000	25	35Lam Sco	1.6200	28000.	106	42943	No
30	GOM_TRA_1PNPDE20100518_022022_000000542089_00304_42943_2208.N1	18-MAY-2010 02:20:22	Twilight	54.000	75	26Eps Sco	2.2910	4250.0	108	42943	No
31	GOM_TRA_1PNPDE20100518_022325_000000642089_00304_42943_2209.N1	18-MAY-2010 02:23:25	Twilight	64.000	16	21Alp Sco	1.0200	3000.0	128	42943	No
32	GOM_TRA_1PNPDE20100518_022557_000000462089_00304_42943_2210.N1	18-MAY-2010 02:25:57	Bright	46.000	97	8Bet1Sco	2.5610	30000.	92	42943	No
33	GOM_TRA_1PNPDE20100518_022934_000000402089_00304_42943_2211.N1	18-MAY-2010 02:29:34	Bright	40.000	104	27Bet Lib	2.6140	13100.	80	42943	No
34	GOM_TRA_1PNPDE20100518_023137_000000482089_00304_42943_2212.N1	18-MAY-2010 02:31:37	Bright	48.000	120	1Del Oph	2.7340	3200.0	96	42943	No
35	GOM_TRA_1PNPDE20100518_023446_000000442089_00304_42943_2213.N1	18-MAY-2010 02:34:46	Bright	43.500	102	24Alp Ser	2.6000	4250.0	87	42943	No
36	GOM_TRA_1PNPDE20100518_024024_000000382089_00304_42943_2214.N1	18-MAY-2010 02:40:24	Bright	38.000	83		2.3780	11000.	76	42943	No
37	GOM_TRA_1PNPDE20100518_024333_000000362089_00304_42943_2215.N1	18-MAY-2010 02:43:33	Bright	35.500	180	27Gam Boo	3.0400	8000.0	71	42943	No
38	GOM_TRA_1PNPDE20100518_025205_000000532089_00304_42943_2216.N1	18-MAY-2010 02:52:05	Bright	52.500	119	14Eta Dra	2.7270	4700.0	105	42943	No
39	GOM_TRA_1PNPDE20100518_030302_000000452089_00304_42943_2232.N1	18-MAY-2010 03:03:02	Bright	44.500	89	5Alp Cep	2.4510	8000.0	89	42943	No
40	GOM_TRA_1PNPDE20100518_030645_000000392089_00304_42943_2233.N1	18-MAY-2010 03:06:45	Bright	39.000	74	11Bet Cas	2.2680	6600.0	78	42943	No
41	GOM_TRA_1PNPDE20100518_031605_000000452089_00304_42943_2234.N1	18-MAY-2010 03:16:05	Twilight	45.000	58	21Alp And	2.0730	11000.	90	42943	No
42	GOM_TRA_1PNPDE20100518_032018_000000452089_00304_42943_2235.N1	18-MAY-2010 03:20:18	Dark	45.000	140	88Gam Peg	2.8340	26000.	90	42943	No
43	GOM_TRA_1PNPDE20100518_032203_000000572089_00304_42943_2236.N1	18-MAY-2010 03:22:03	Dark	56.500	90	54Alp Peg	2.4870	11000.	113	42943	No
44	GOM_TRA_1PNPDE20100518_033549_000000572089_00304_42943_2237.N1	18-MAY-2010 03:35:49	Dark	56.500	18	24Alp PsA	1.1660	9700.0	113	42943	No
45	GOM_TRA_1PNPDE20100518_034005_000000552089_00304_42943_2238.N1	18-MAY-2010 03:40:05	Dark	55.000	63	Bet Gru	2.1500	2800.0	110	42943	No
46	GOM_TRA_1PNPDE20100518_034137_000000452089_00305_42944_2239.N1	18-MAY-2010 03:41:37	Dark	45.000	31	Alp Gru	1.7340	15200.	90	42944	No
47	GOM_TRA_1PNPDE20100518_034709_000000412089_00305_42944_2240.N1	18-MAY-2010 03:47:09	Dark	40.500	45	Alp Pav	1.9400	26000.	81	42944	No
48	GOM_TRA_1PNPDE20100518_035519_000000442089_00305_42944_2241.N1	18-MAY-2010 03:55:19	Straylight	43.500	147	Alp Ara	2.8770	26000.	87	42944	No
49	GOM_TRA_1PNPDE20100518_035652_000000502089_00305_42944_2242.N1	18-MAY-2010 03:56:52	Straylight	49.500	40	The Sco	1.8590	7100.0	99	42944	No
50	GOM_TRA_1PNPDE20100518_035844_000000542089_00305_42944_2243.N1	18-MAY-2010 03:58:44	Straylight	53.500	25	35Lam Sco	1.6200	28000.	107	42944	No
51	GOM_TRA_1PNPDE20100518_040059_000000512089_00305_42944_2244.N1	18-MAY-2010 04:00:59	Twilight	51.000	75	26Eps Sco	2.2910	4250.0	102	42944	No
52	GOM_TRA_1PNPDE20100518_040401_000000642089_00305_42944_2245.N1	18-MAY-2010 04:04:01	Twilight	64.000	16	21Alp Sco	1.0200	3000.0	128	42944	No
53	GOM_TRA_1PNPDE20100518_040633_000000462089_00305_42944_2246.N1	18-MAY-2010 04:06:33	Bright	46.000	97	8Bet1Sco	2.5610	30000.	92	42944	No
54	GOM_TRA_1PNPDE20100518_041010_000000402089_00305_42944_2247.N1	18-MAY-2010 04:10:10	Bright	40.000	104	27Bet Lib	2.6140	13100.	80	42944	No
55	GOM_TRA_1PNPDE20100518_041213_000000502089_00305_42944_2248.N1	18-MAY-2010 04:12:13	Bright	49.500	120	1Del Oph	2.7340	3200.0	99	42944	No
56	GOM_TRA_1PNPDE20100518_041522_000000442089_00305_42944_2249.N1	18-MAY-2010 04:15:22	Bright	43.500	102	24Alp Ser	2.6000	4250.0	87	42944	No
57	GOM_TRA_1PNPDE20100518_042100_000000382089_00305_42944_2250.N1	18-MAY-2010 04:21:00	Bright	38.000	83		2.3780	11000.	76	42944	No
58	GOM_TRA_1PNPDE20100518_042408_000000372089_00305_42944_2251.N1	18-MAY-2010 04:24:08	Bright	37.000	180	27Gam Boo	3.0400	8000.0	74	42944	No
59	GOM_TRA_1PNPDE20100518_043241_000000422089_00305_42944_2252.N1	18-MAY-2010 04:32:41	Bright	42.000	119	14Eta Dra	2.7270	4700.0	84	42944	No
60	GOM_TRA_1PNPDE20100518_044337_000000462089_00305_42944_2261.N1	18-MAY-2010 04:43:37	Bright	46.000	89	5Alp Cep	2.4510	8000.0	92	42944	No
61	GOM_TRA_1PNPDE20100518_044722_000000392089_00305_42944_2262.N1	18-MAY-2010 04:47:22	Bright	39.000	74	11Bet Cas	2.2680	6600.0	78	42944	No
62	GOM_TRA_1PNPDE20100518_045641_000000452089_00305_42944_2263.N1	18-MAY-2010 04:56:41	Twilight	45.000	58	21Alp And	2.0730	11000.	90	42944	No
63	GOM_TRA_1PNPDE20100518_050054_000000442089_00305_42944_2264.N1	18-MAY-2010 05:00:54	Dark	43.500	140	88Gam Peg	2.8340	26000.	87	42944	No
64	GOM_TRA_1PNPDE20100518_050240_000000572089_00305_42944_2265.N1	18-MAY-2010 05:02:40	Dark	56.500	90	54Alp Peg	2.4870	11000.	113	42944	No
65	GOM_TRA_1PNPDE20100518_051626_000000482089_00305_42944_2266.N1	18-MAY-2010 05:16:26	Dark	47.500	18	24Alp PsA	1.1660	9700.0	95	42944	No
66	GOM_TRA_1PNPDE20100518_052042_000000512089_00305_42944_2267.N1	18-MAY-2010 05:20:42	Dark	51.000	63	Bet Gru	2.1500	2800.0	102	42944	No
67	GOM_TRA_1PNPDE20100518_052214_000000522089_00306_42945_2268.N1	18-MAY-2010 05:22:14	Dark	51.500	31	Alp Gru	1.7340	15200.	103	42945	No
68	GOM_TRA_1PNPDE20100518_052745_000000412089_00306_42945_2269.N1	18-MAY-2010 05:27:45	Dark	41.000	45	Alp Pav	1.9400	26000.	82	42945	No
69	GOM_TRA_1PNPDE20100518_053555_000000432089_00306_42945_2270.N1	18-MAY-2010 05:35:55	Straylight	42.500	147	Alp Ara	2.8770	26000.	85	42945	No
70	GOM_TRA_1PNPDE20100518_053728_000000492089_00306_42945_2271.N1	18-MAY-2010 05:37:28	Straylight	49.000	40	The Sco	1.8590	7100.0	98	42945	No
71	GOM_TRA_1PNPDE20100518_053920_000000512089_00306_42945_2272.N1	18-MAY-2010 05:39:20	Straylight	51.000	25	35Lam Sco	1.6200	28000.	102	42945	No

72	GOM_TRA_1PNPDE20100518_054136_000000502089_00306_42945_2273.N1	18-MAY-2010 05:41:36	Twilight	50.000	75	26Eps Sco	2.2910	4250.0	100	42945	No
73	GOM_TRA_1PNPDE20100518_054437_000000602089_00306_42945_2274.N1	18-MAY-2010 05:44:37	Twilight	59.500	16	21Alp Sco	1.0200	3000.0	119	42945	No
74	GOM_TRA_1PNPDE20100518_054710_000000462089_00306_42945_2275.N1	18-MAY-2010 05:47:10	Bright	46.000	97	8Bet1Sco	2.5610	30000.	92	42945	No
75	GOM_TRA_1PNPDE20100518_055046_000000402089_00306_42945_2276.N1	18-MAY-2010 05:50:46	Bright	39.500	104	27Bet Lib	2.6140	13100.	79	42945	No
76	GOM_TRA_1PNPDE20100518_055249_000000482089_00306_42945_2277.N1	18-MAY-2010 05:52:49	Bright	48.000	120	1Del Oph	2.7340	3200.0	96	42945	No
77	GOM_TRA_1PNPDE20100518_055557_000000442089_00306_42945_2278.N1	18-MAY-2010 05:55:57	Bright	43.500	102	24Alp Ser	2.6000	4250.0	87	42945	No
78	GOM_TRA_1PNPDE20100518_060135_000000412089_00306_42945_2279.N1	18-MAY-2010 06:01:35	Bright	41.000	83		2.3780	11000.	82	42945	No
79	GOM_TRA_1PNPDE20100518_060444_000000372089_00306_42945_2280.N1	18-MAY-2010 06:04:44	Bright	37.000	180	27Gam Boo	3.0400	8000.0	74	42945	No
80	GOM_TRA_1PNPDE20100518_061316_000000422089_00306_42945_2281.N1	18-MAY-2010 06:13:16	Bright	41.500	119	14Eta Dra	2.7270	4700.0	83	42945	No
81	GOM_TRA_1PNPDE20100518_204257_000000512089_00315_42954_2386.N1	18-MAY-2010 20:42:57	Straylight	51.000	40	The Sco	1.8590	7100.0	102	42954	No
82	GOM_TRA_1PNPDE20100518_204449_000000532089_00315_42954_2387.N1	18-MAY-2010 20:44:49	Straylight	53.000	25	35Lam Sco	1.6200	28000.	106	42954	No
83	GOM_TRA_1PNPDE20100518_204703_000000532089_00315_42954_2388.N1	18-MAY-2010 20:47:03	Twilight	53.000	75	26Eps Sco	2.2910	4250.0	106	42954	No
84	GOM_TRA_1PNPDE20100518_205003_000000542089_00315_42954_2389.N1	18-MAY-2010 20:50:03	Twilight	54.000	16	21Alp Sco	1.0200	3000.0	108	42954	No
85	GOM_TRA_1PNPDE20100518_205234_000000442089_00315_42954_2390.N1	18-MAY-2010 20:52:34	Bright	43.500	97	8Bet1Sco	2.5610	30000.	87	42954	No
86	GOM_TRA_1PNPDE20100518_205611_000000392089_00315_42954_2391.N1	18-MAY-2010 20:56:11	Bright	39.000	104	27Bet Lib	2.6140	13100.	78	42954	No
87	GOM_TRA_1PNPDE20100518_205811_000000482089_00315_42954_2392.N1	18-MAY-2010 20:58:11	Bright	47.500	120	1Del Oph	2.7340	3200.0	95	42954	No
88	GOM_TRA_1PNPDE20100518_210119_000000432089_00315_42954_2393.N1	18-MAY-2010 21:01:19	Bright	42.500	102	24Alp Ser	2.6000	4250.0	85	42954	No
89	GOM_TRA_1PNPDE20100518_210658_000000382089_00315_42954_2394.N1	18-MAY-2010 21:06:58	Bright	38.000	83		2.3780	11000.	76	42954	No
90	GOM_TRA_1PNPDE20100518_211006_000000372089_00315_42954_2395.N1	18-MAY-2010 21:10:06	Bright	36.500	180	27Gam Boo	3.0400	8000.0	73	42954	No
91	GOM_TRA_1PNPDE20100518_211836_000000432089_00315_42954_2396.N1	18-MAY-2010 21:18:36	Bright	42.500	119	14Eta Dra	2.7270	4700.0	85	42954	No
92	GOM_TRA_1PNPDE20100518_212932_000000512089_00315_42954_2397.N1	18-MAY-2010 21:29:32	Bright	50.500	89	5Alp Cep	2.4510	8000.0	101	42954	No
93	GOM_TRA_1PNPDE20100518_213320_000000372089_00315_42954_2398.N1	18-MAY-2010 21:33:20	Bright	36.500	74	11Bet Cas	2.2680	6600.0	73	42954	No
94	GOM_TRA_1PNPDE20100518_214242_000000432089_00315_42954_2399.N1	18-MAY-2010 21:42:42	Twilight	43.000	58	21Alp And	2.0730	11000.	86	42954	No
95	GOM_TRA_1PNPDE20100518_214657_000000432089_00315_42954_2400.N1	18-MAY-2010 21:46:57	Dark	42.500	140	88Gam Peg	2.8340	26000.	85	42954	No
96	GOM_TRA_1PNPDE20100518_220233_000000542089_00315_42954_2405.N1	18-MAY-2010 22:02:33	Dark	54.000	18	24Alp PsA	1.1660	9700.0	108	42954	No
97	GOM_TRA_1PNPDE20100518_220648_000000532089_00315_42954_2406.N1	18-MAY-2010 22:06:48	Dark	53.000	63	Bet Gru	2.1500	2800.0	106	42954	No
98	GOM_TRA_1PNPDE20100518_220820_000000472089_00316_42955_2407.N1	18-MAY-2010 22:08:20	Dark	47.000	31	Alp Gru	1.7340	15200.	94	42955	No
99	GOM_TRA_1PNPDE20100518_221352_000000422089_00316_42955_2408.N1	18-MAY-2010 22:13:52	Dark	41.500	45	Alp Pav	1.9400	26000.	83	42955	No
100	GOM_TRA_1PNPDE20100518_222200_000000432089_00316_42955_2409.N1	18-MAY-2010 22:22:00	Straylight	43.000	147	Alp Ara	2.8770	26000.	86	42955	No
101	GOM_TRA_1PNPDE20100518_222333_000000512089_00316_42955_2410.N1	18-MAY-2010 22:23:33	Straylight	51.000	40	The Sco	1.8590	7100.0	102	42955	No
102	GOM_TRA_1PNPDE20100518_222526_000000542089_00316_42955_2411.N1	18-MAY-2010 22:25:26	Straylight	53.500	25	35Lam Sco	1.6200	28000.	107	42955	No
103	GOM_TRA_1PNPDE20100518_222739_000000512089_00316_42955_2412.N1	18-MAY-2010 22:27:39	Twilight	50.500	75	26Eps Sco	2.2910	4250.0	101	42955	No
104	GOM_TRA_1PNPDE20100518_223039_000000632089_00316_42955_2413.N1	18-MAY-2010 22:30:39	Twilight	63.000	16	21Alp Sco	1.0200	3000.0	126	42955	No
105	GOM_TRA_1PNPDE20100518_223310_000000472089_00316_42955_2414.N1	18-MAY-2010 22:33:10	Bright	47.000	97	8Bet1Sco	2.5610	30000.	94	42955	No
106	GOM_TRA_1PNPDE20100518_223646_000000392089_00316_42955_2415.N1	18-MAY-2010 22:36:46	Bright	38.500	104	27Bet Lib	2.6140	13100.	77	42955	No
107	GOM_TRA_1PNPDE20100518_223846_000000482089_00316_42955_2416.N1	18-MAY-2010 22:38:46	Bright	48.000	120	1Del Oph	2.7340	3200.0	96	42955	No
108	GOM_TRA_1PNPDE20100518_224154_000000432089_00316_42955_2417.N1	18-MAY-2010 22:41:54	Bright	42.500	102	24Alp Ser	2.6000	4250.0	85	42955	No
109	GOM_TRA_1PNPDE20100518_224734_000000382089_00316_42955_2418.N1	18-MAY-2010 22:47:34	Bright	38.000	83		2.3780	11000.	76	42955	No
110	GOM_TRA_1PNPDE20100518_225044_000000342089_00316_42955_2419.N1	18-MAY-2010 22:50:44	Bright	34.000	180	27Gam Boo	3.0400	8000.0	68	42955	No
111	GOM_TRA_1PNPDE20100518_225911_000000602089_00316_42955_2420.N1	18-MAY-2010 22:59:11	Bright	60.000	119	14Eta Dra	2.7270	4700.0	120	42955	No
112	GOM_TRA_1PNPDE20100518_231008_000000462089_00316_42955_2421.N1	18-MAY-2010 23:10:08	Bright	45.500	89	5Alp Cep	2.4510	8000.0	91	42955	No
113	GOM_TRA_1PNPDE20100518_231356_000000352089_00316_42955_2422.N1	18-MAY-2010 23:13:56	Bright	35.000	74	11Bet Cas	2.2680	6600.0	70	42955	No
114	GOM_TRA_1PNPDE20100518_232318_000000472089_00316_42955_2423.N1	18-MAY-2010 23:23:18	Twilight	47.000	58	21Alp And	2.0730	11000.	94	42955	No
115	GOM_TRA_1PNPDE20100518_232733_000000442089_00316_42955_2424.N1	18-MAY-2010 23:27:33	Dark	44.000	140	88Gam Peg	2.8340	26000.	88	42955	No
116	GOM_TRA_1PNPDE20100518_234310_000000502089_00316_42955_2423.N1	18-MAY-2010 23:43:10	Dark	49.500	18	24Alp PsA	1.1660	9700.0	99	42955	No
117	GOM_TRA_1PNPDE20100518_234724_000000502089_00316_42955_2424.N1	18-MAY-2010 23:47:24	Dark	49.500	63	Bet Gru	2.1500	2800.0	99	42955	No
118	GOM_TRA_1PNPDE20100518_234858_000000492089_00317_42956_2425.N1	18-MAY-2010 23:48:58	Dark	48.500	31	Alp Gru	1.7340	15200.	97	42956	No
119	GOM_TRA_1PNPDE20100518_235428_000000422089_00317_42956_2426.N1	18-MAY-2010 23:54:28	Dark	42.000	45	Alp Pav	1.9400	26000.	84	42956	No

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



4. Overview of dark signal processing per product

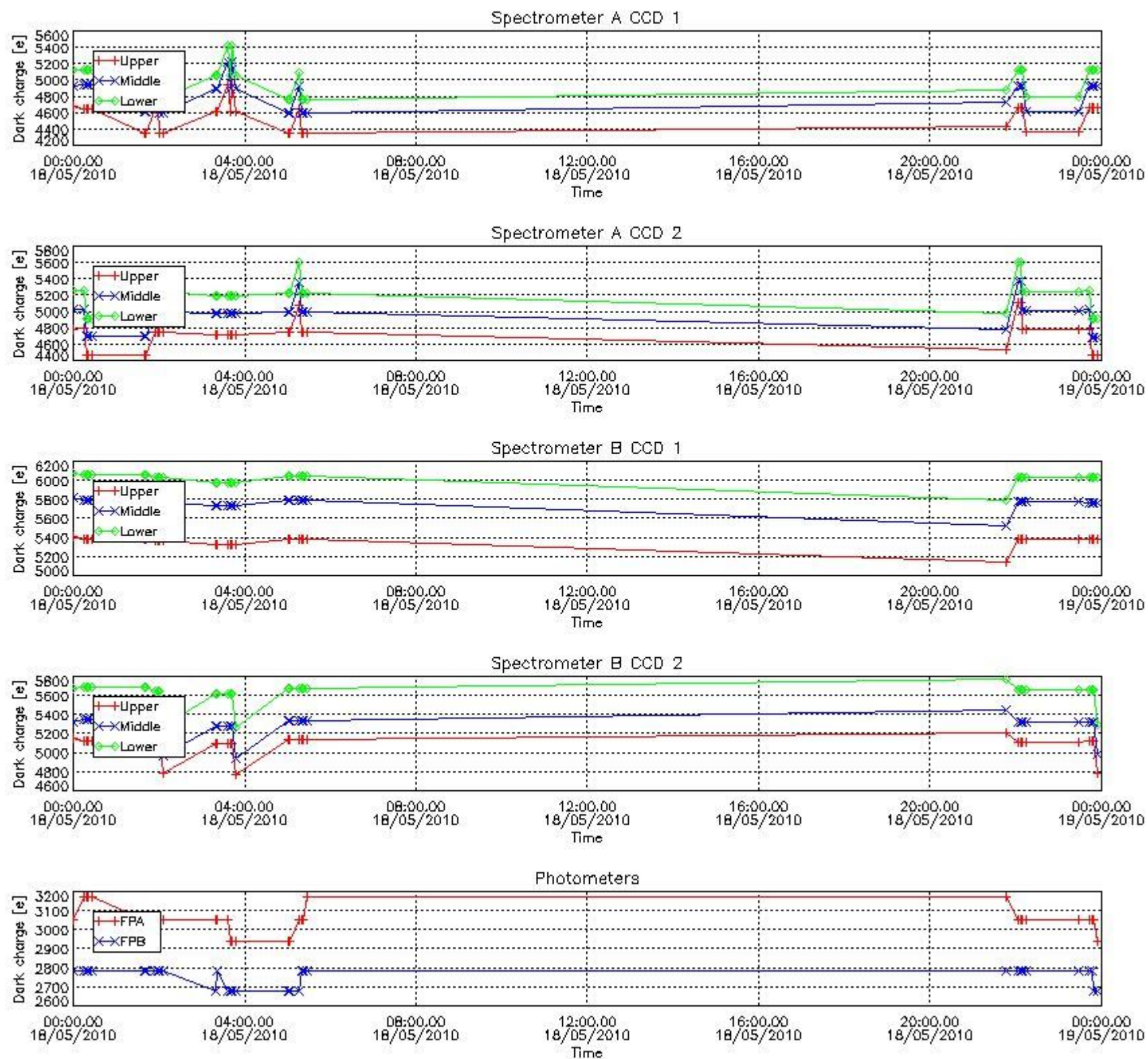
The Dark Charge (DC) is a temperature-dependant signal added to the useful measurements and it is therefore subtracted from them during the processing. There are two phenomena that produce a continuous increase of the DC: the "hot pixels" (a pixel is "hot" when its DC exceeds by a significant amount 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_1PNPDE20100518_204257_000000512089_00315_42954_2386.N1	DC map used
GOM_TRA_1PNPDE20100518_204449_000000532089_00315_42954_2387.N1	DC map used
GOM_TRA_1PNPDE20100518_204703_000000532089_00315_42954_2388.N1	DC map used
GOM_TRA_1PNPDE20100518_205003_000000542089_00315_42954_2389.N1	DC map used
GOM_TRA_1PNPDE20100518_205234_000000442089_00315_42954_2390.N1	DC map used
GOM_TRA_1PNPDE20100518_205611_000000392089_00315_42954_2391.N1	DC map used
GOM_TRA_1PNPDE20100518_205811_000000482089_00315_42954_2392.N1	DC map used
GOM_TRA_1PNPDE20100518_210119_000000432089_00315_42954_2393.N1	DC map used
GOM_TRA_1PNPDE20100518_210658_000000382089_00315_42954_2394.N1	DC map used
GOM_TRA_1PNPDE20100518_211006_000000372089_00315_42954_2395.N1	DC map used
GOM_TRA_1PNPDE20100518_211836_000000432089_00315_42954_2396.N1	DC map used
GOM_TRA_1PNPDE20100518_212932_000000512089_00315_42954_2397.N1	DC map used
GOM_TRA_1PNPDE20100518_213320_000000372089_00315_42954_2398.N1	DC map used
GOM_TRA_1PNPDE20100518_214242_000000432089_00315_42954_2399.N1	DC map used

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



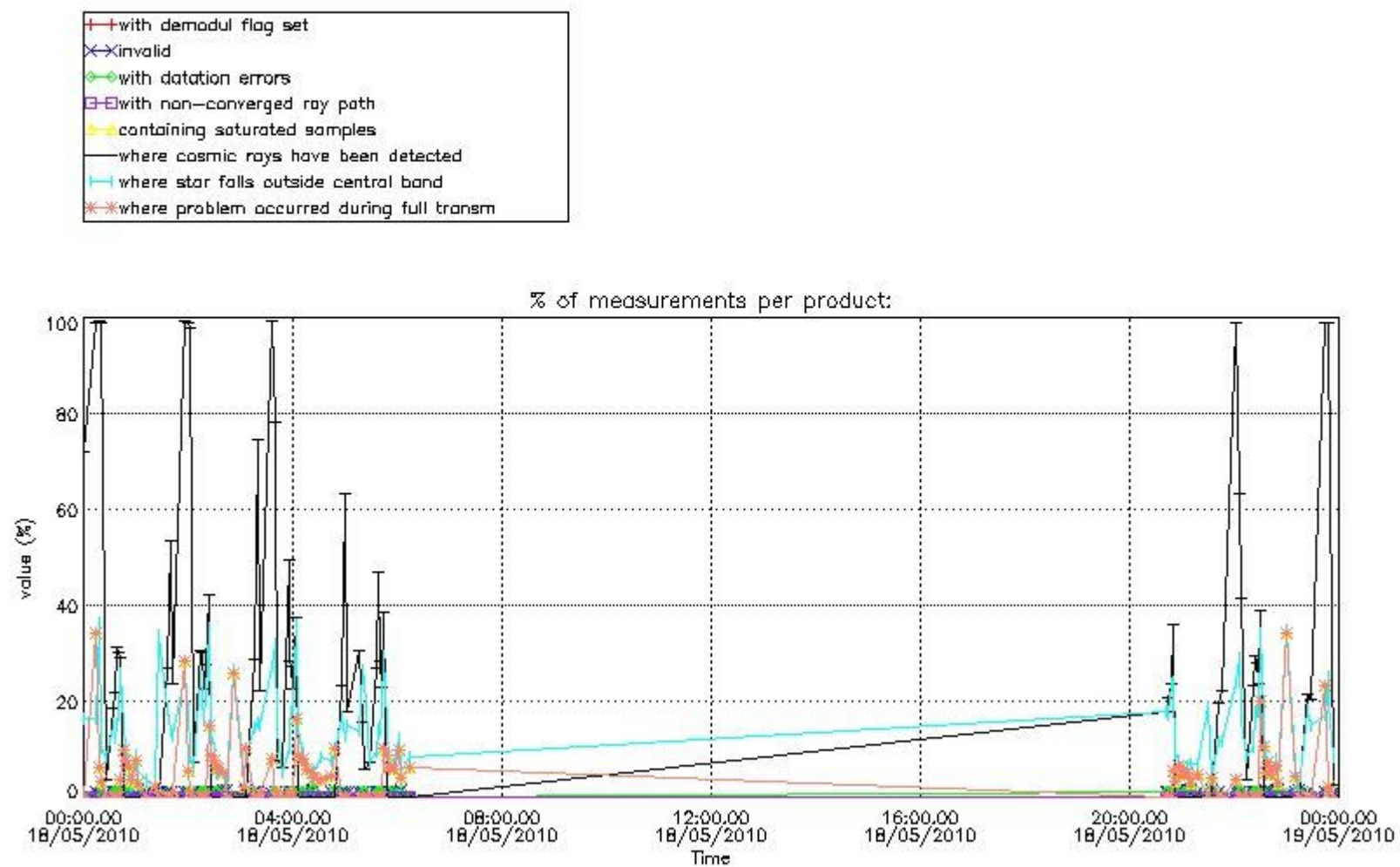
5. Demodulation flag and quality information monitoring

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.

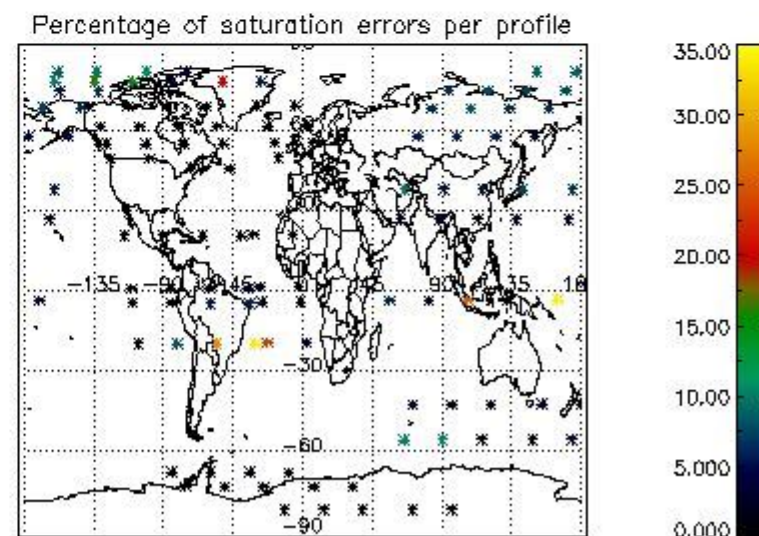
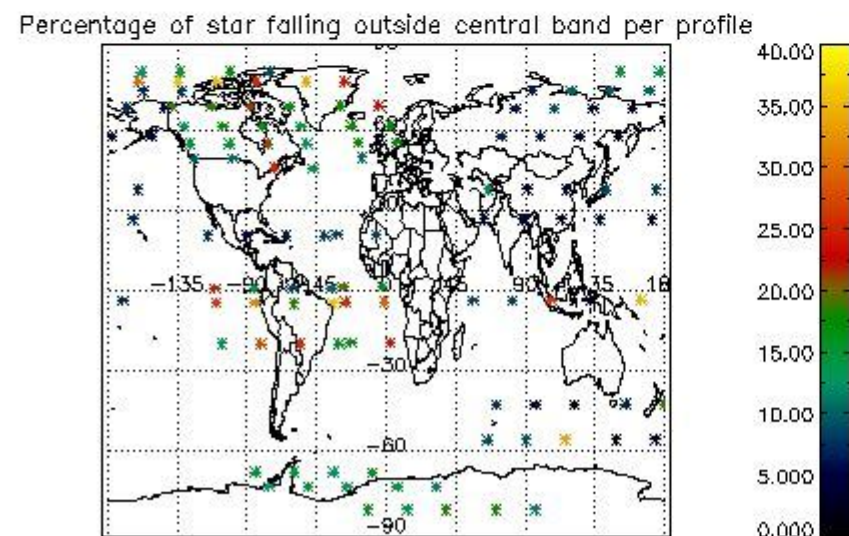
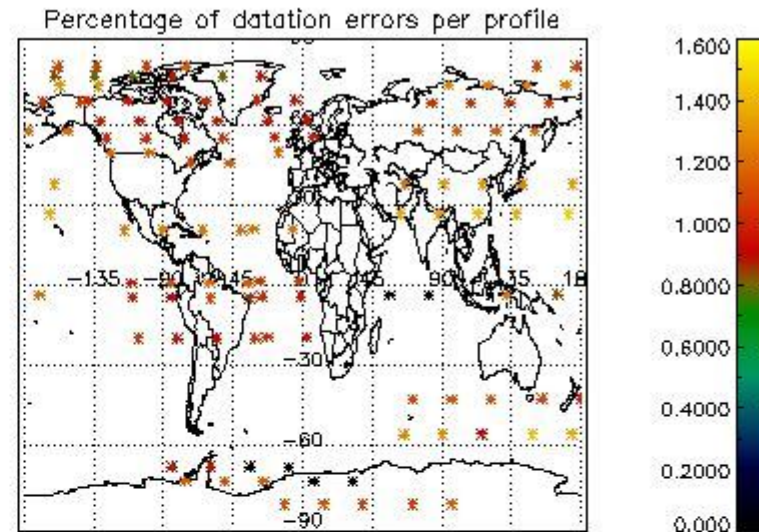
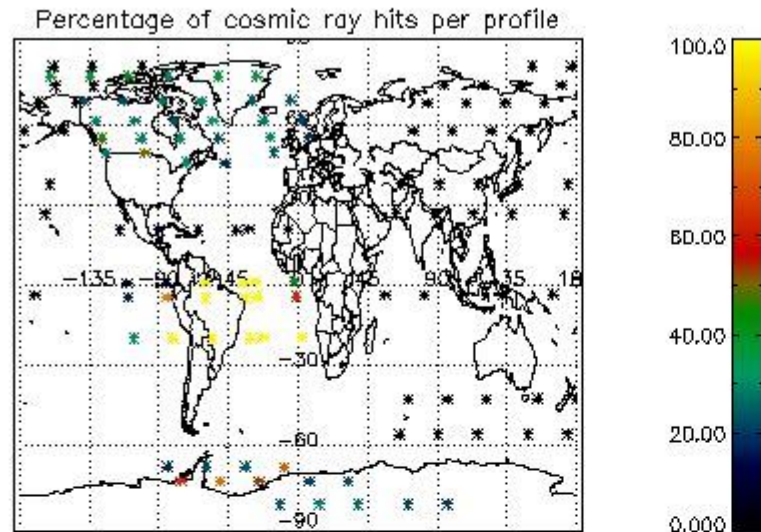
5.1 Percentage of products during reporting period with:

At least one measurement with demodulation flag set:	52.1008 %
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)



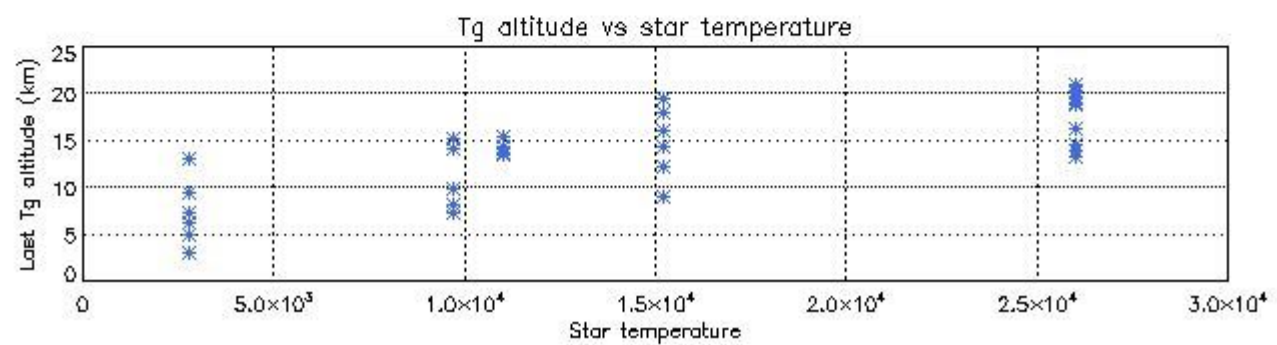
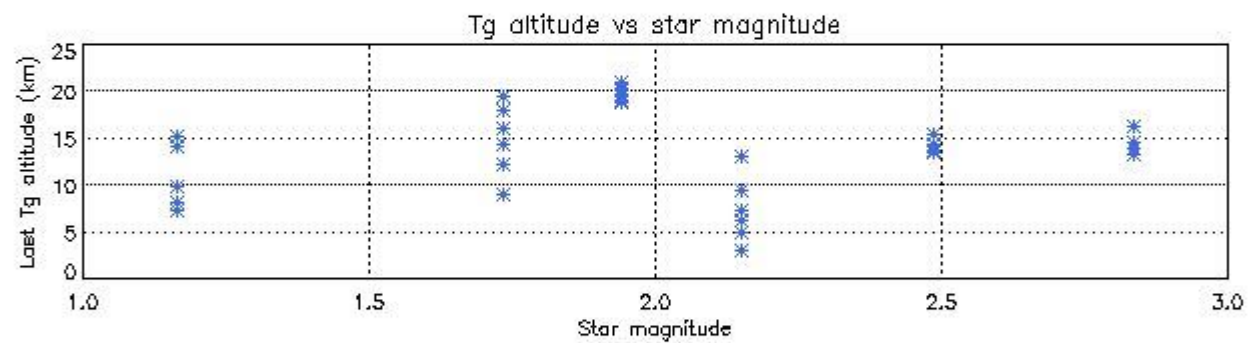
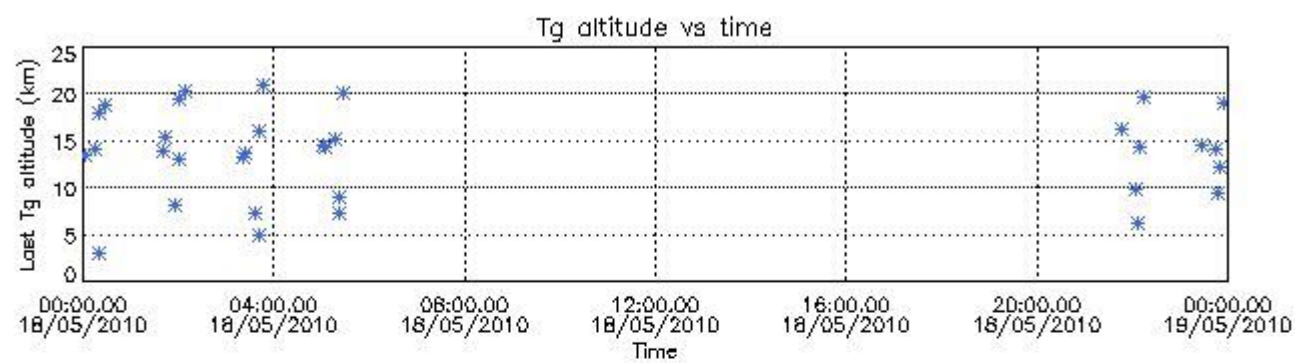
6. Statistics and plot of tangent altitude of the last measurement (DARK & BRIGHT products without errors)

6.1 Statistics on tangent altitude lost:

Statistics	DARK	BRIGHT	TWILIGHT
Mean:	13.626	19.343	NaN
St. deviation:	4.7387	4.3057	NaN
Maximum:	20.872	28.097	NaN
Minimum:	3.0778	3.3921	NaN
Number of data:	33.000	52.000	NaN

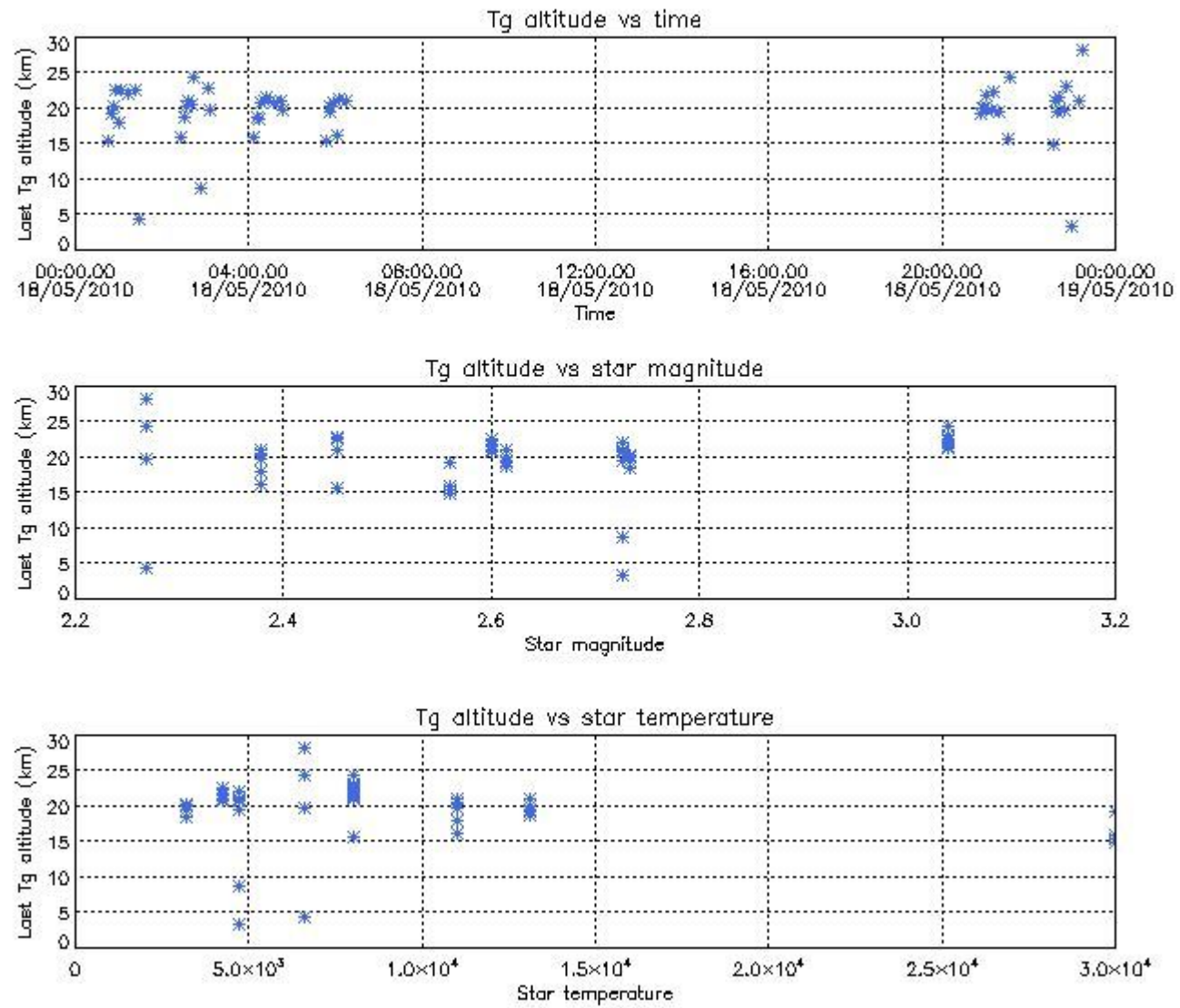
6.2 Plot for DARK limb products

Tangent altitude at which the star is lost



6.3 Plot for BRIGHT limb products

Tangent altitude at which the star is lost

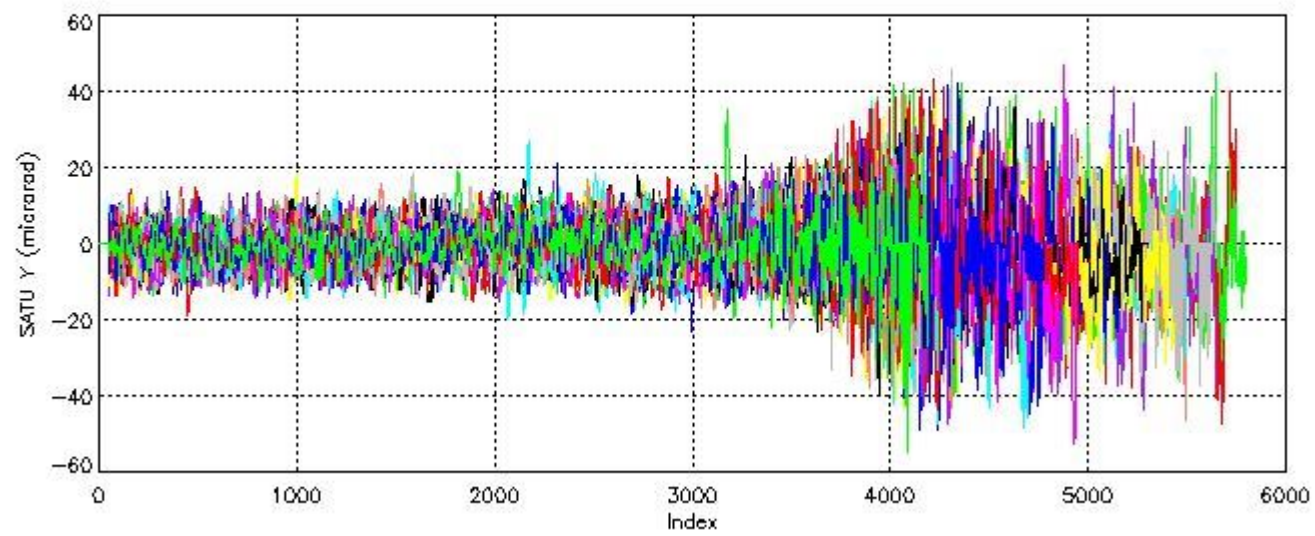
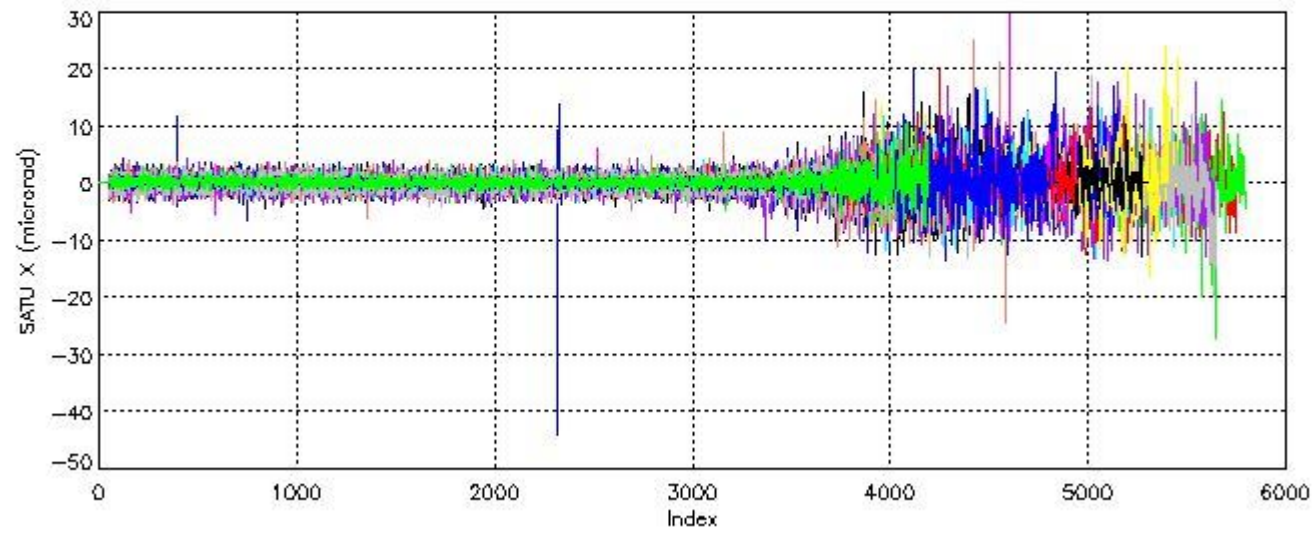


7. Star Acquisition and Tracking Unit (SATU)

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

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

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



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

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

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

7.2.1 SATU NEA Statistics (table)

Statistics	SATU X (D)	SATU Y (D)	SATU X (B)	SATU Y (B)
Mean:	0.20605	-0.81753	0.26250	-0.82616
St. deviation:	0.60312	4.1360	0.89355	4.1137
Maximum:	11.600	18.400	6.0000	17.300
Minimum:	-6.5000	-18.900	-5.7000	-19.200

Number of data:	33650.	33650.	51150.	51150.
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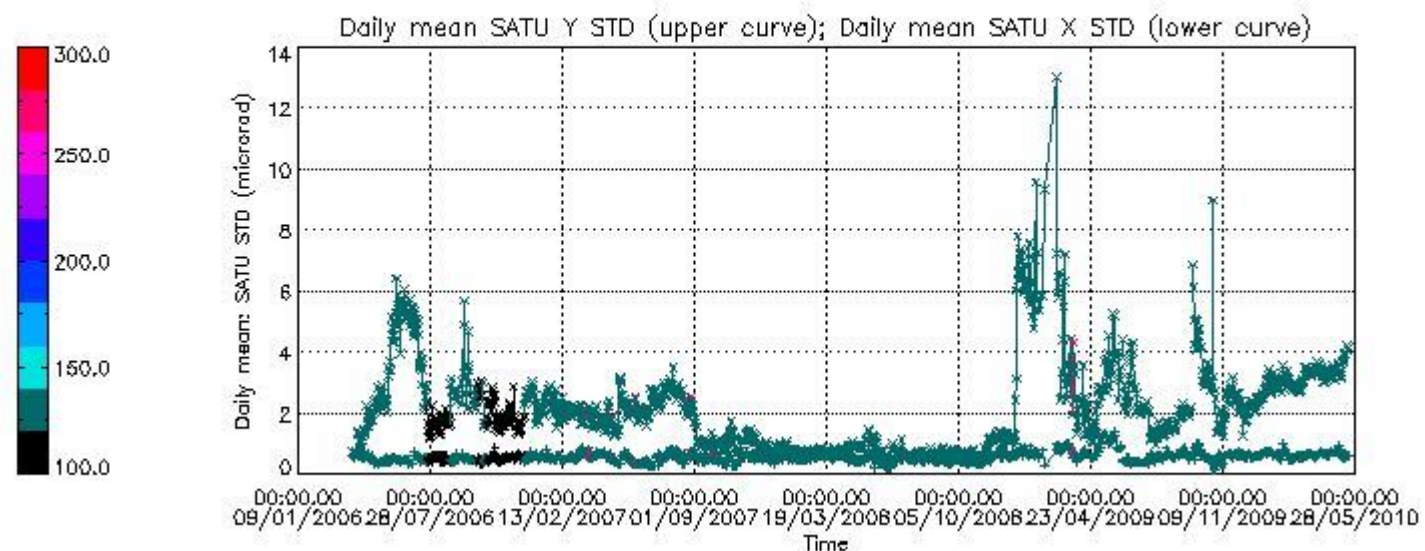
7.2.2 Trend of daily SATU NEA St. deviation since 1st April 2006 (dark limb)

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

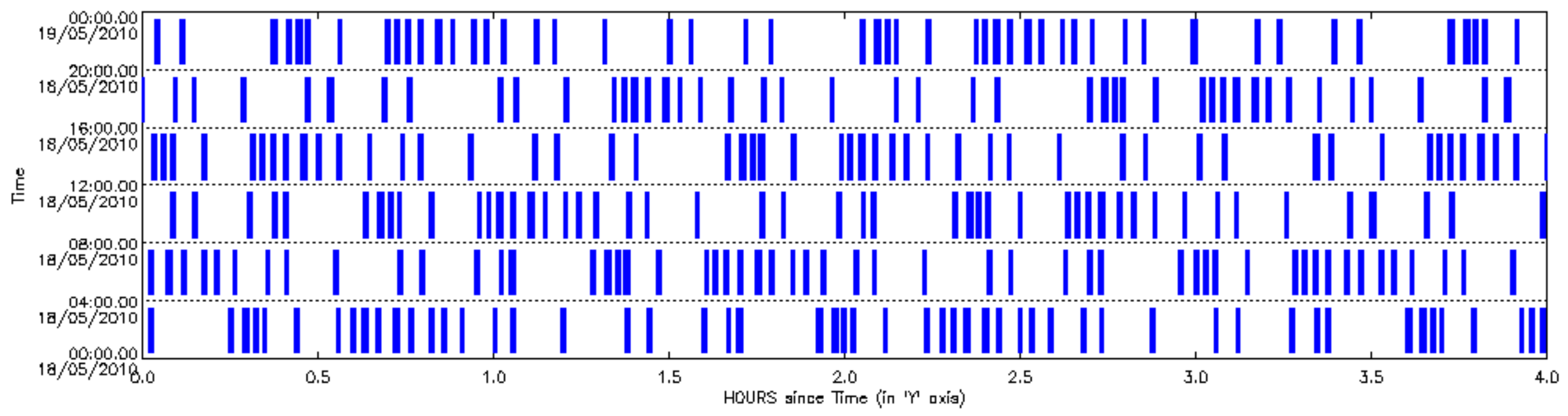
Lower curve: STD of SATU X axis

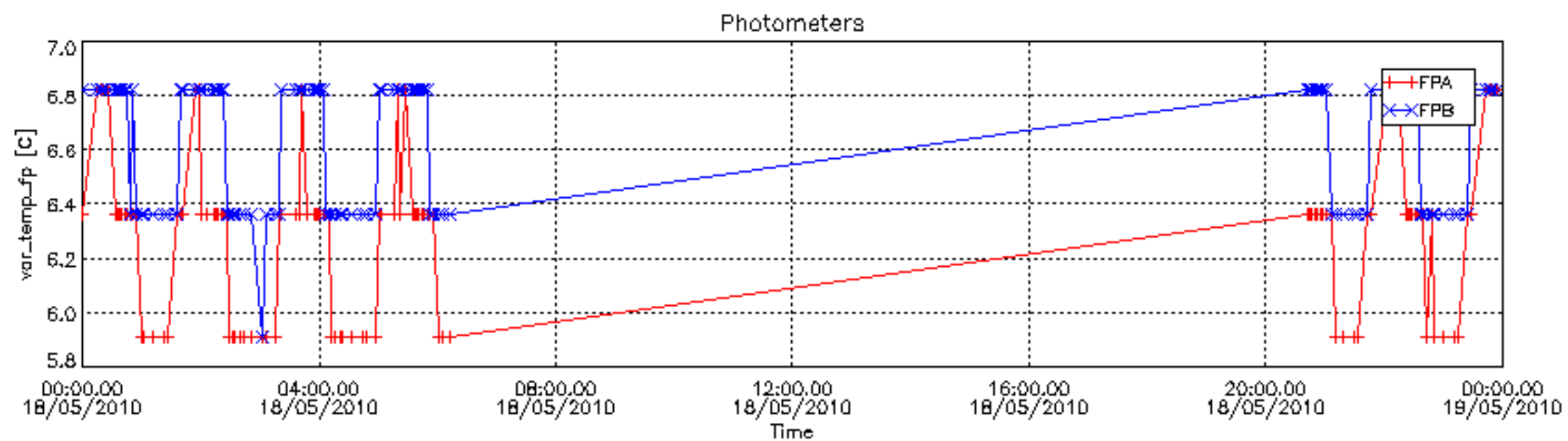
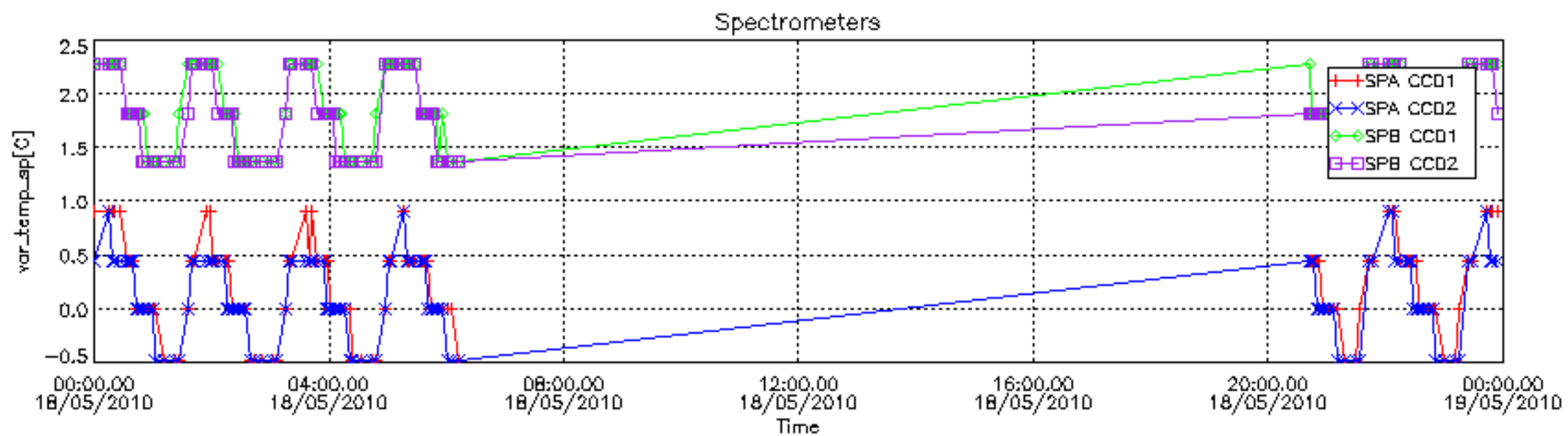


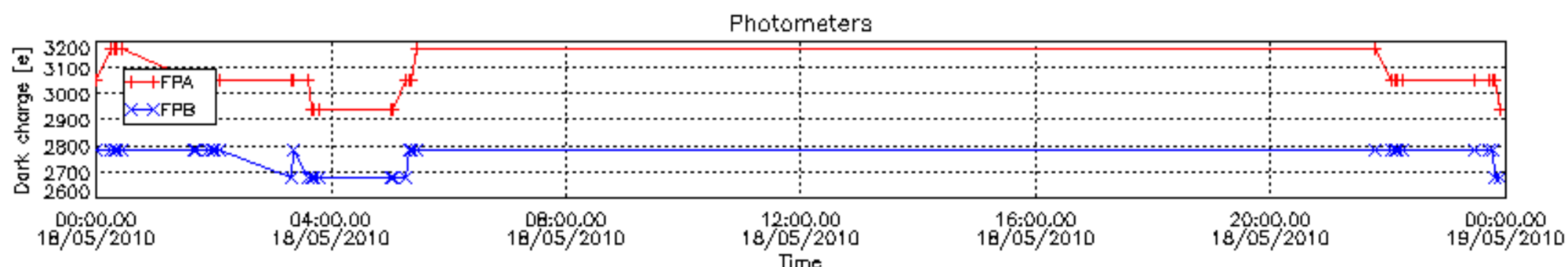
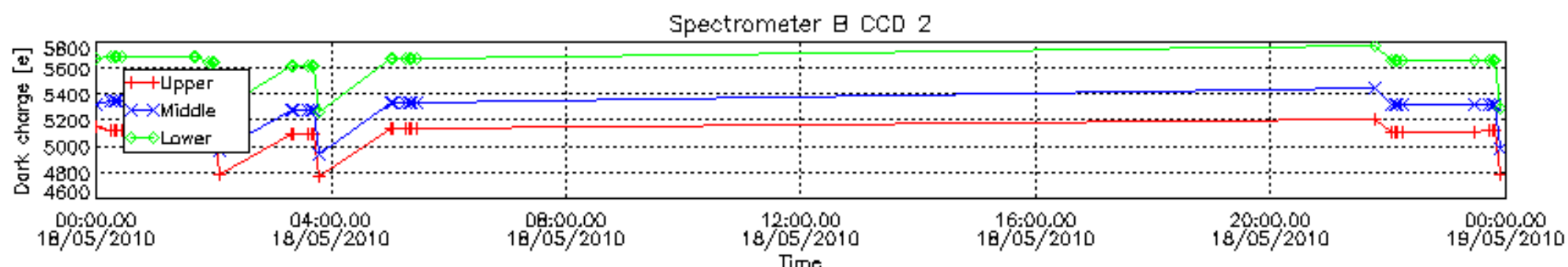
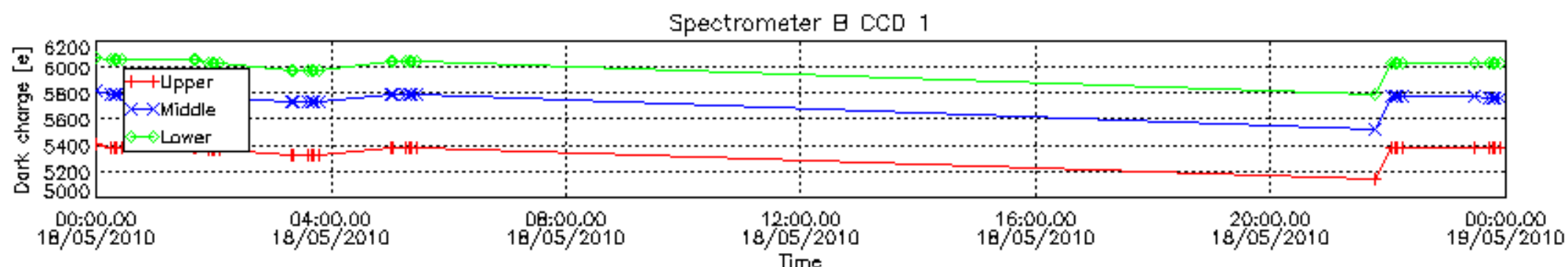
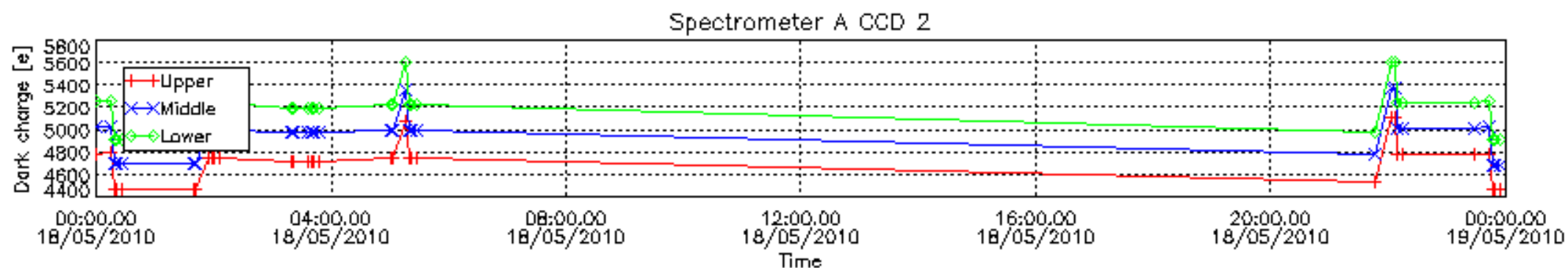
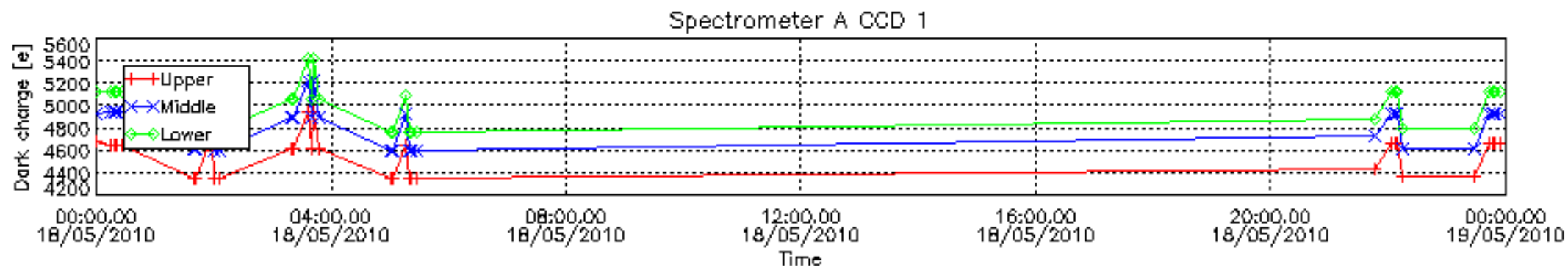
8. Auxiliary Data Files used for the production reported in section 2.4

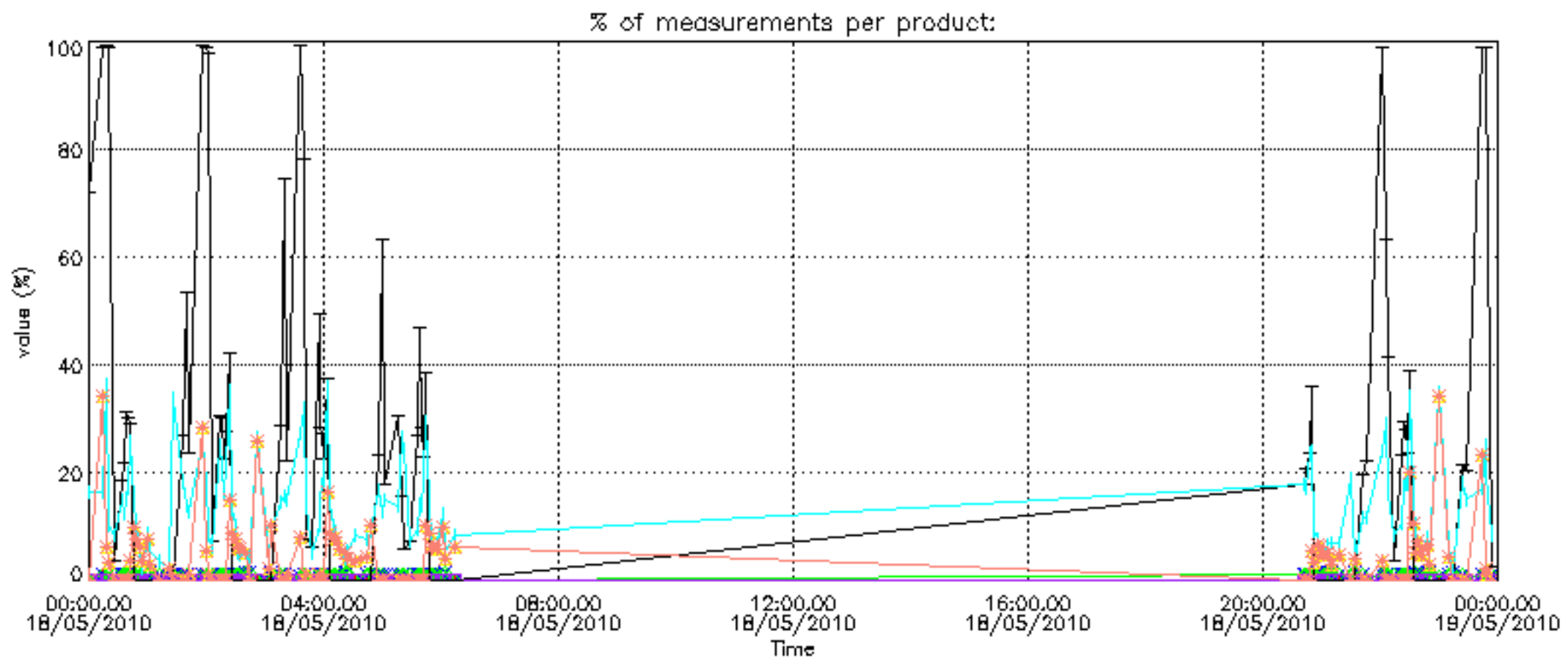
The number reported in the third column indicates since which file (see list in section 2.4) the corresponding auxiliary file has been used. The fourth column is the date of those product files.

Type	Auxiliary Filename	Used since product	Used since product date
INST_PHYS_CHARACTERISTICS	GOM_INS_AXVIEC20091111_143220_20030716_120000_20500101_000000	1	18-MAY-2010 00:00:50
CALIBRATION_DATABASE	GOM_CAL_AXVIEC20100511_095212_20100509_000000_20500101_000000	1	18-MAY-2010 00:00:50
CALIBRATION_DATABASE	GOM_CAL_AXVIEC20100518_092709_20100516_000000_20500101_000000	81	18-MAY-2010 20:42:57
LEVEL-1B_PROC_CONFIG	GOM_PR1_AXVIEC20091111_145255_20020301_000000_20500101_000000	1	18-MAY-2010 00:00:50
STAR_CATALOGUE	GOM_CAT_AXVIEC20020121_161009_20020101_000000_20200101_000000	1	18-MAY-2010 00:00:50
STELLAR_SPECTRA_DATABANK	GOM_STS_AXVIEC20091111_151504_20020101_160000_20500101_000000	1	18-MAY-2010 00:00:50
ECMWF_FILE	AUX_ECF_AXNECM20100517_054113_20100517_210000_20100518_090000	1	18-MAY-2010 00:00:50
ECMWF_FILE	AUX_ECF_AXNECM20100517_172116_20100518_030000_20100518_150000	39	18-MAY-2010 03:03:02
ECMWF_FILE	AUX_ECA_AXNECM20100518_052113_20100517_210000_20100518_090000	60	18-MAY-2010 04:43:37
ECMWF_FILE	AUX_ECF_AXNECM20100518_052114_20100518_150000_20100519_030000	81	18-MAY-2010 20:42:57
ECMWF_FILE	AUX_ECF_AXNECM20100518_054112_20100518_210000_20100519_090000	96	18-MAY-2010 22:02:33
OPTIONAL_ECMWF_FILE	MISSING	1	18-MAY-2010 00:00:50
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20100517_222337_000057382089_00301_42940_0370.N1	1	18-MAY-2010 00:00:50
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20100518_000434_000057382089_00302_42941_0371.N1	2	18-MAY-2010 00:14:35
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20100518_014531_000041442089_00303_42942_0372.N1	23	18-MAY-2010 01:55:12
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20100518_025954_000057382089_00304_42943_0373.N1	39	18-MAY-2010 03:03:02
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20100518_044051_000057382089_00305_42944_0374.N1	60	18-MAY-2010 04:43:37
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20100518_203713_000041442089_00315_42954_0375.N1	81	18-MAY-2010 20:42:57
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20100518_215136_000057382089_00315_42954_0376.N1	96	18-MAY-2010 22:02:33
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20100518_233233_000057382089_00316_42955_0377.N1	116	18-MAY-2010 23:43:10

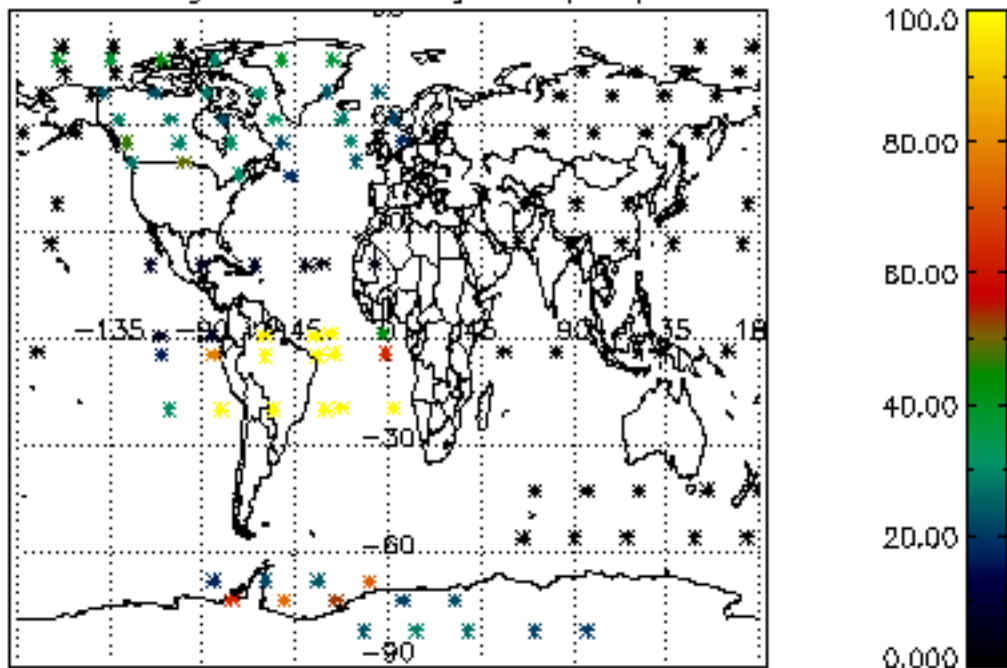




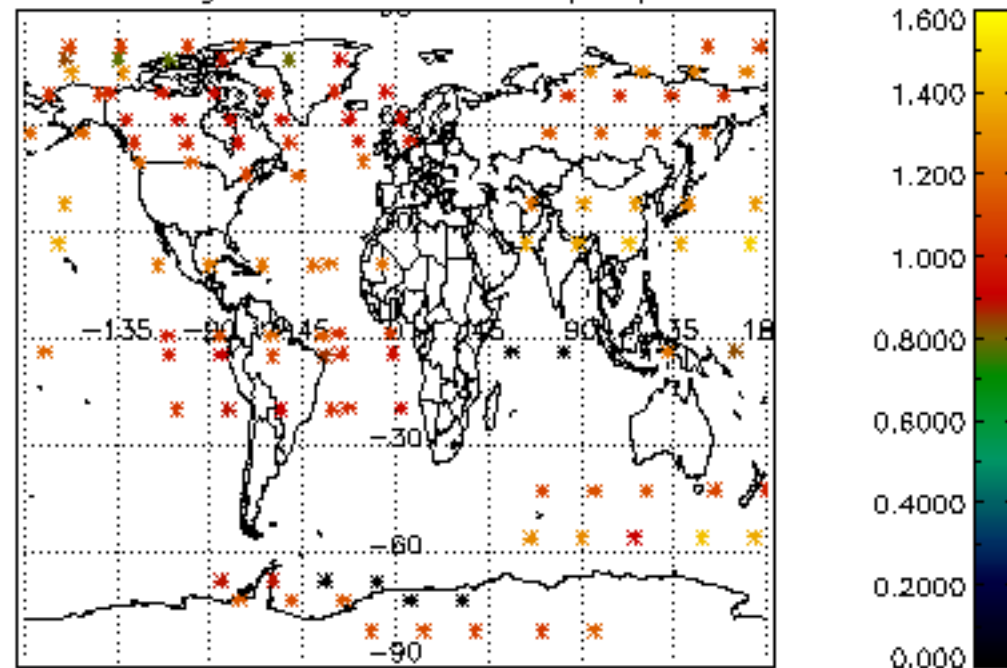




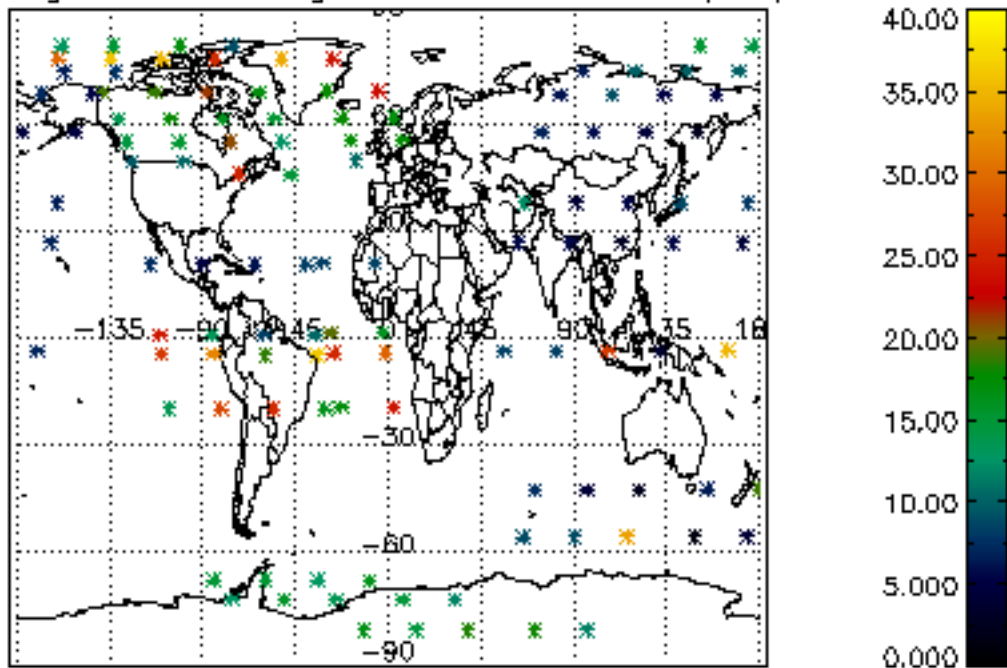
Percentage of cosmic ray hits per profile



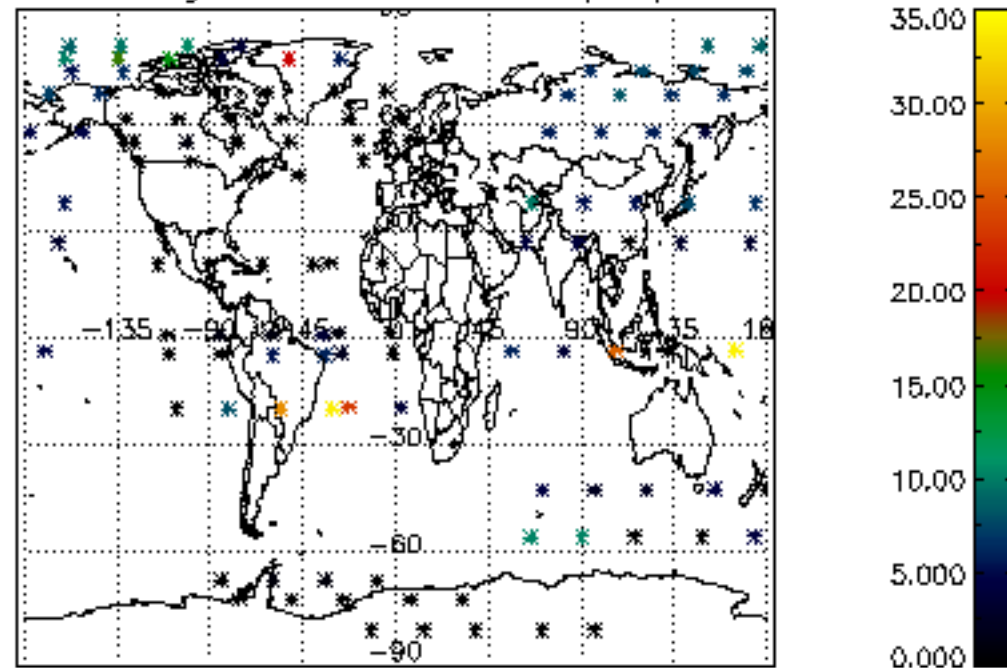
Percentage of datation errors per profile



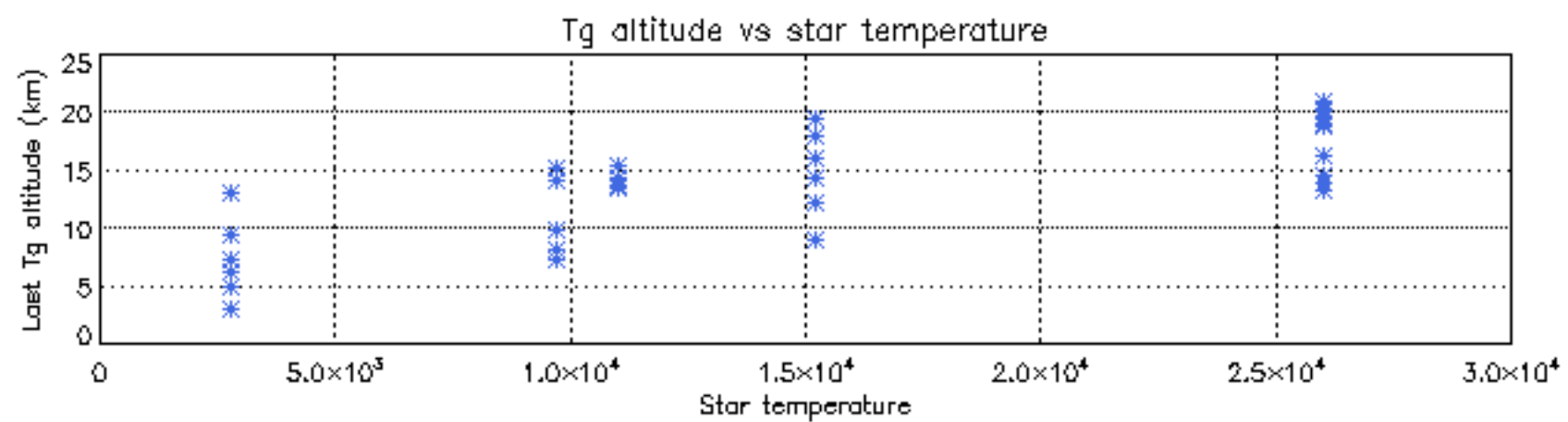
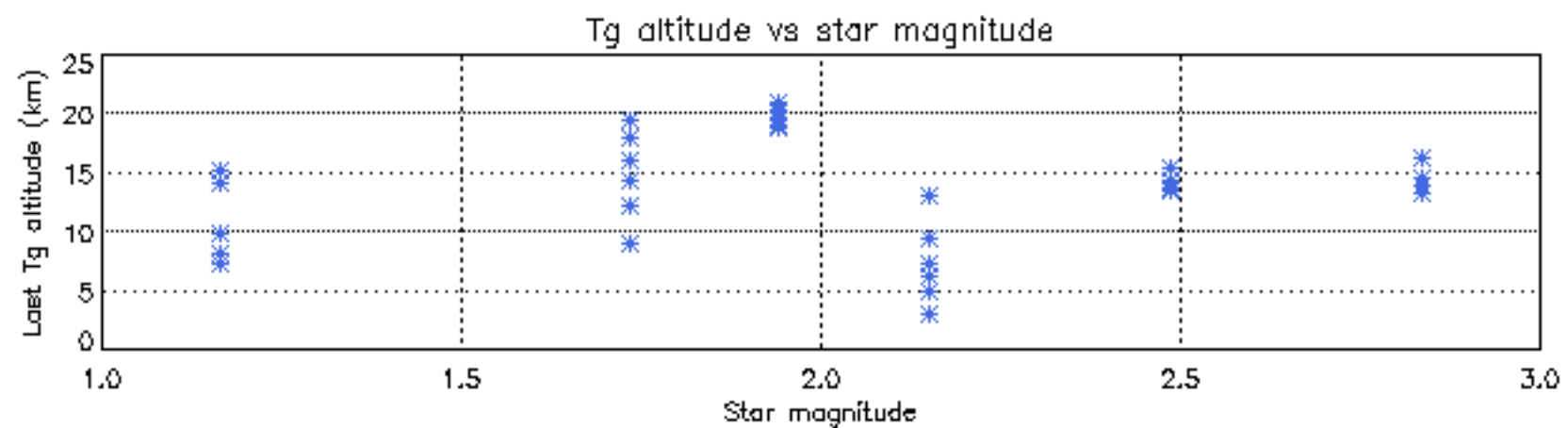
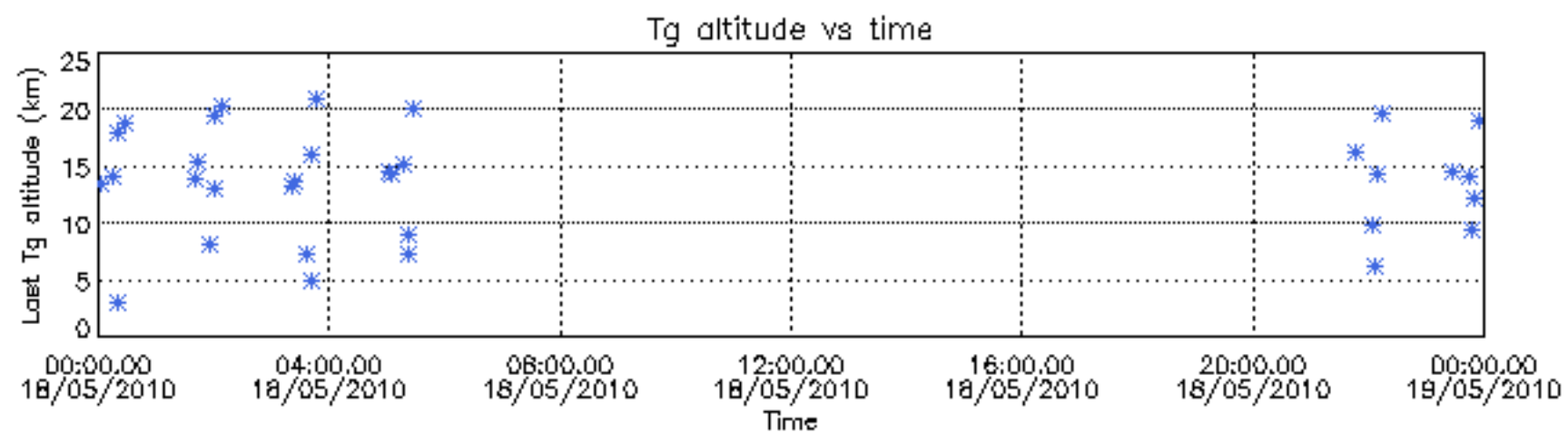
Percentage of star falling outside central band per profile



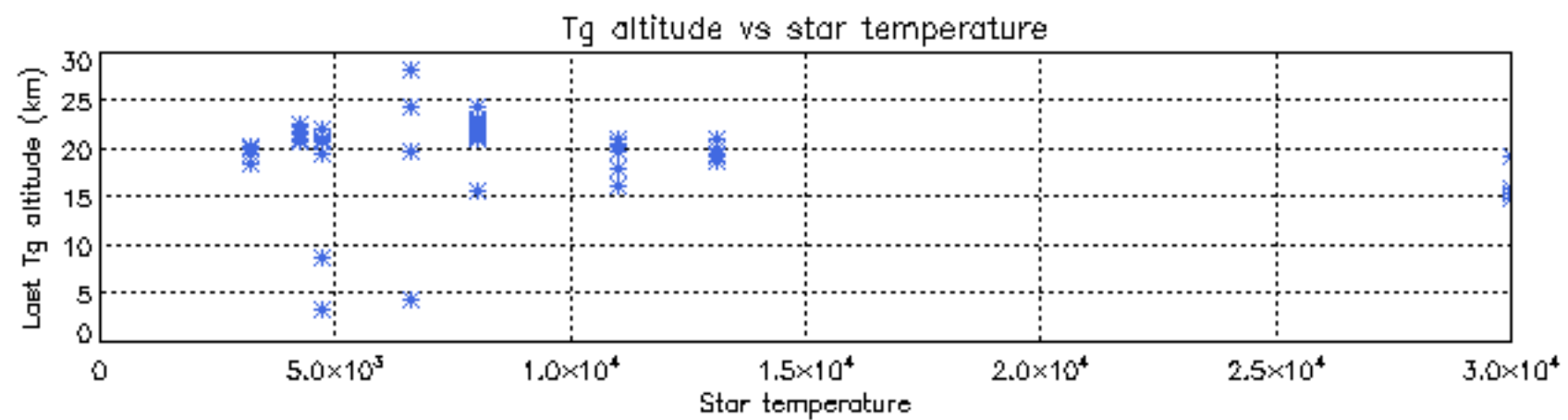
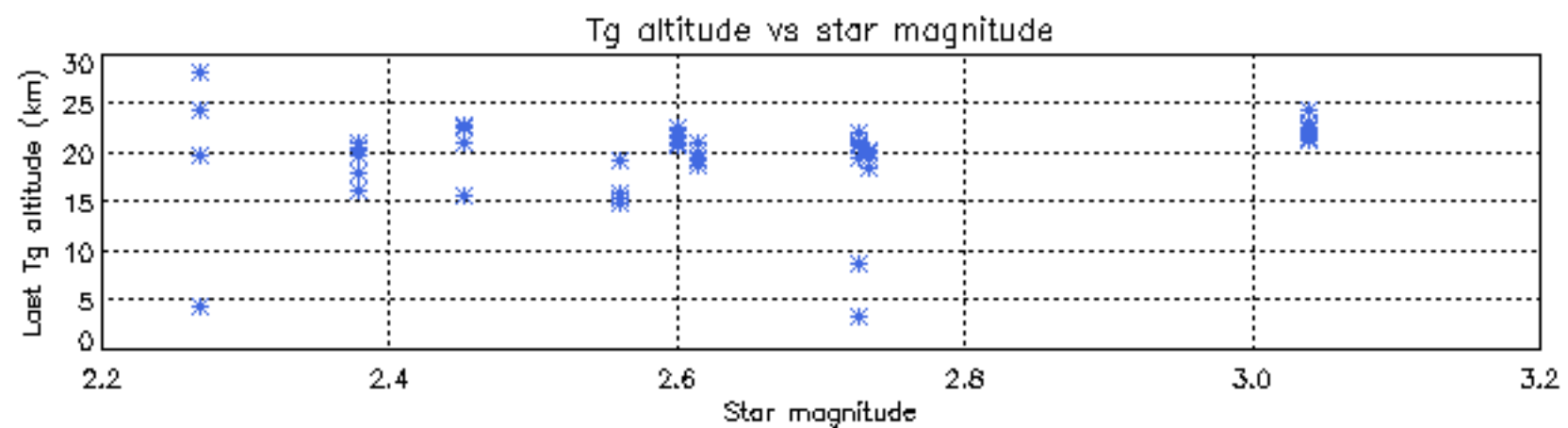
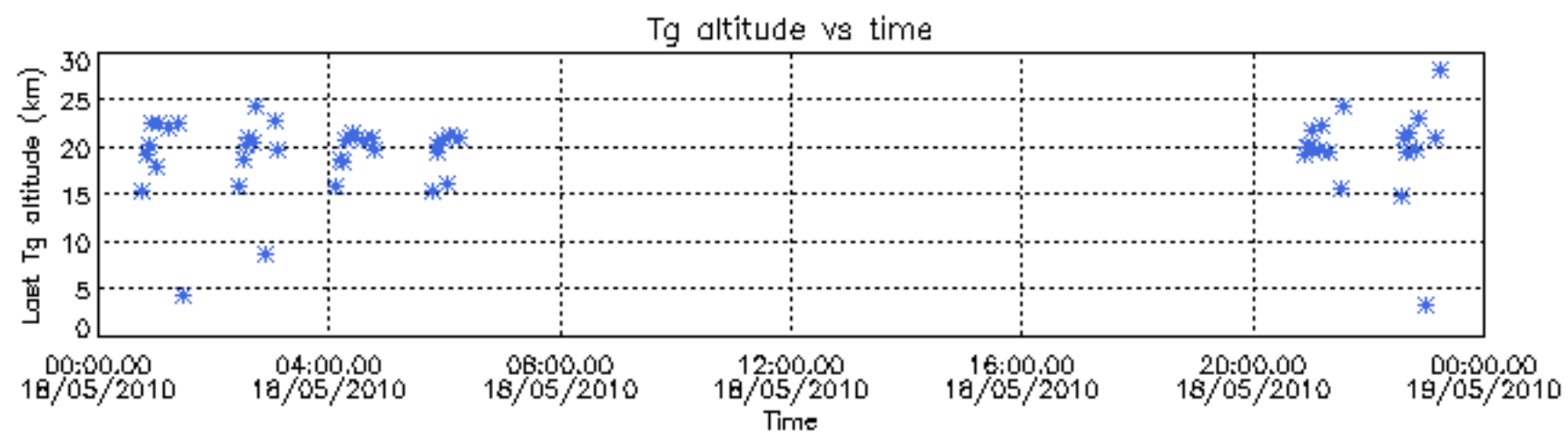
Percentage of saturation errors per profile

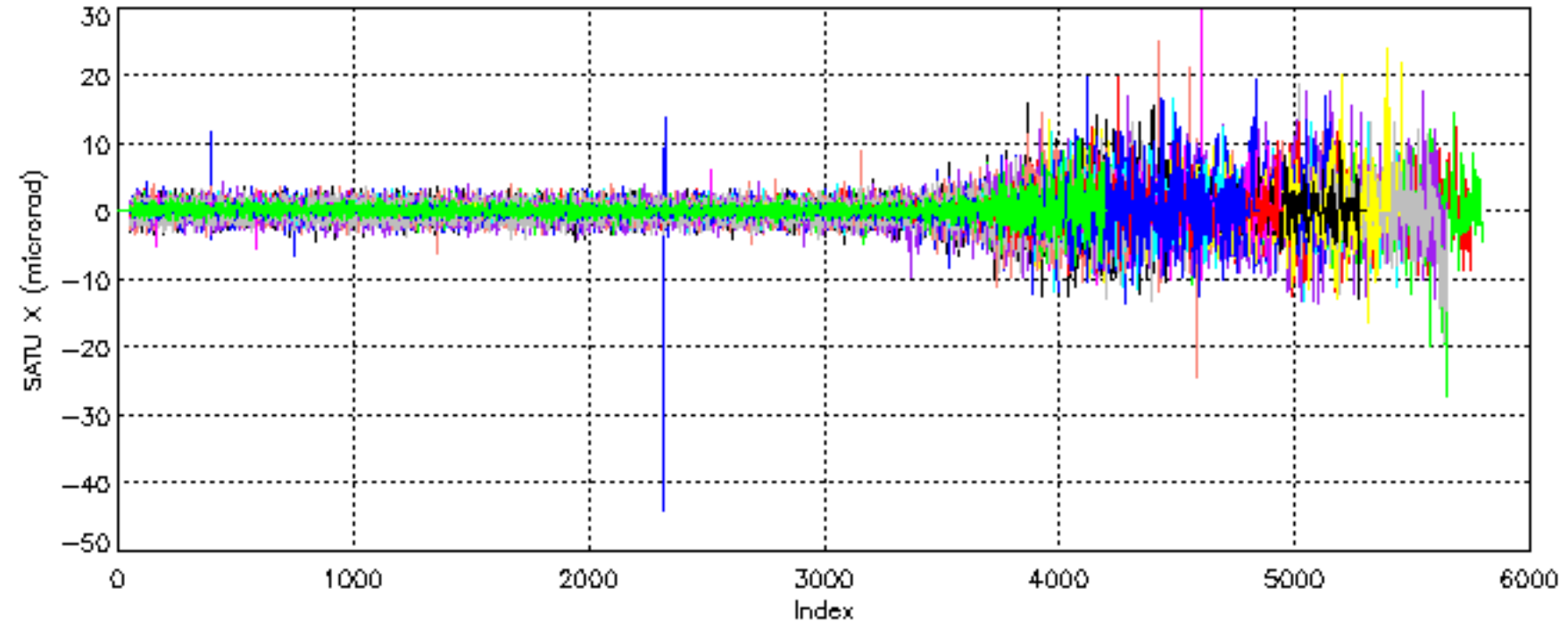


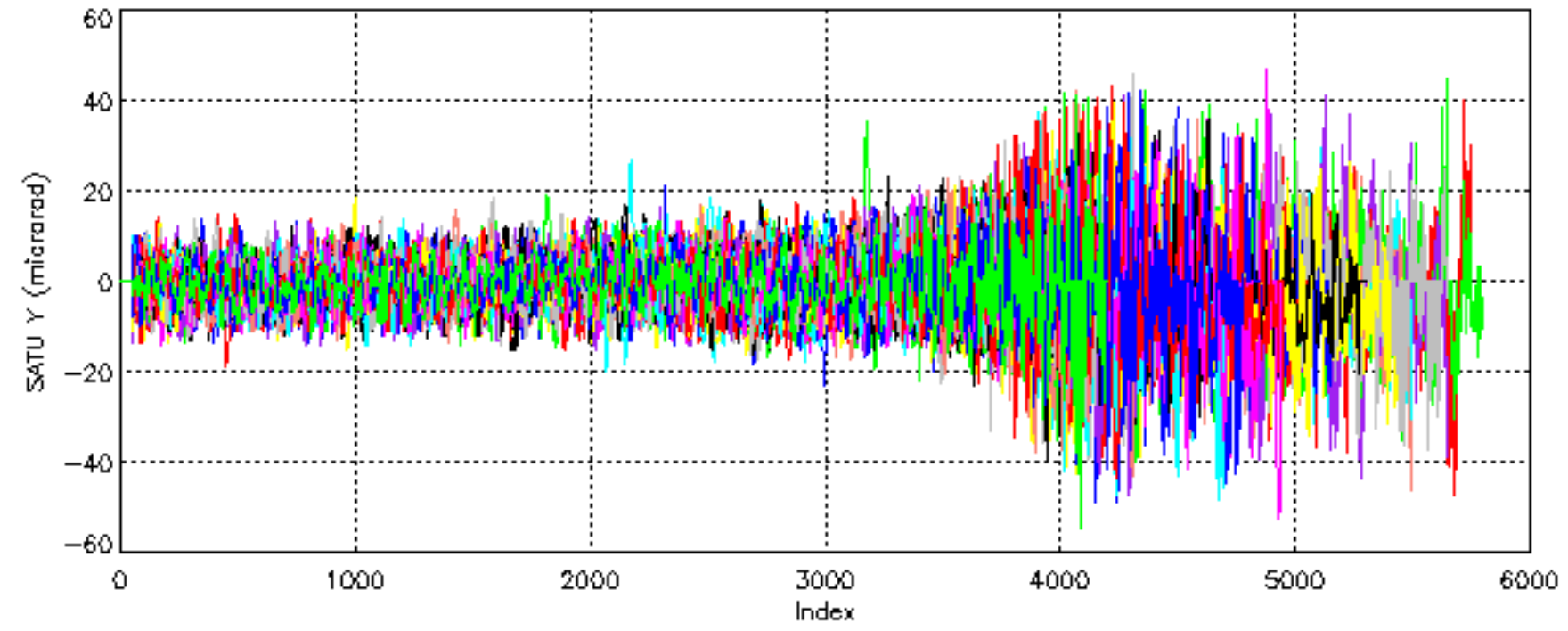
Tangent altitude at which the star is lost

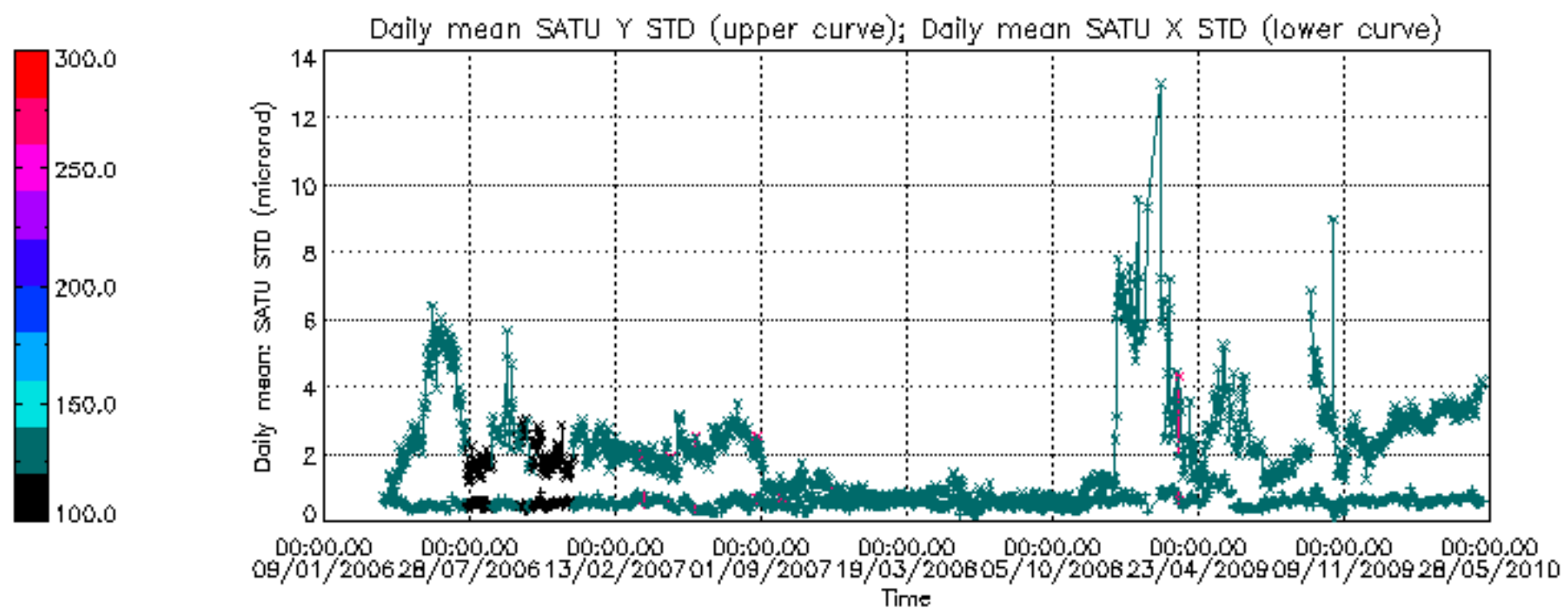


Tangent altitude at which the star is lost









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

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1; -1005.4; 01-MAY-2010 02:18:29; Dark ; 65.0; 61; 8Eps Peg ; 2.10; 3900;occ; 130; 0;42699
 2; -859.1; 01-MAY-2010 02:20:56; Dark ; 56.5; 162; 34Alp Aqr ; 2.94; 5350;occ; 113; 0;42699
 3; -636.8; 01-MAY-2010 02:24:38; Dark ; 62.0; 154; 22Bet Aqr ; 2.90; 5700;occ; 124; 0;42699
 4; -479.6; 01-MAY-2010 02:27:15; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;42699
 5; 635.3; 01-MAY-2010 02:45:50; Dark ; 42.0; 141; Bet Ara ; 2.84; 4600;occ; 84; 0;42700
 6; 746.6; 01-MAY-2010 02:47:41; Dark ; 55.0; 40; The Sco ; 1.86; 7100;occ; 110; 0;42700
 7; 851.7; 01-MAY-2010 02:49:26; Dark ; 57.5; 25; 35Lam Sco ; 1.62; 28000;occ; 115; 0;42700
 8; 1039.1; 01-MAY-2010 02:52:34; Dark ; 64.5; 75; 26Eps Sco ; 2.29; 4250;occ; 129; 0;42700
 9; 1264.8; 01-MAY-2010 02:56:19; Dark ; 68.0; 16; 21Alp Sco ; 1.02; 3000;occ; 136; 0;42700
 10; 1400.2; 01-MAY-2010 02:58:35; Dark ; 59.0; 80; 7Del Sco ; 2.32; 30000;occ; 118; 0;42700
 11; 1590.1; 01-MAY-2010 03:01:45; Bright; 43.5; 122; 9Alp2Lib ; 2.75; 9700;occ; 87; 0;42700
 12; 1728.1; 01-MAY-2010 03:04:03; Bright; 50.5; 104; 27Bet Lib ; 2.61; 13100;occ; 101; 0;42700
 13; 2233.6; 01-MAY-2010 03:12:28; Bright; 38.0; 111; 8Eta Boo ; 2.68; 6000;occ; 76; 0;42700
 14; 2456.1; 01-MAY-2010 03:16:11; Bright; 46.0; 83; ; 2.38; 11000;occ; 92; 0;42700
 15; 2636.6; 01-MAY-2010 03:19:11; Bright; 41.0; 180; 27Gam Boo ; 3.04; 8000;occ; 82; 0;42700
 16; 2770.8; 01-MAY-2010 03:21:25; Bright; 40.0; 39; 85Eta UMA ; 1.85; 24000;occ; 80; 0;42700
 17; 3210.9; 01-MAY-2010 03:28:46; Bright; 44.0; 119; 14Eta Dra ; 2.73; 4700;occ; 88; 0;42700

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1; -2207.4; 01-MAY-2010 03:39:03; Bright; 43.5; 89; 5Alp Cep ; 2.45; 8000;occ; 87; 0;42700
 2; -1895.8; 01-MAY-2010 03:44:15; Bright; 27.0; 19; 50Alp Cyg ; 1.25; 10500;occ; 54; 0;42700
 3; -1527.6; 01-MAY-2010 03:50:23; Dark ; 50.5; 164; 44Eta Peg ; 2.95; 5400;occ; 101; 0;42700
 4; -1262.2; 01-MAY-2010 03:54:48; Dark ; 46.0; 90; 54Alp Peg ; 2.49; 11000;occ; 92; 0;42700
 5; -1004.5; 01-MAY-2010 03:59:06; Dark ; 66.5; 61; 8Eps Peg ; 2.10; 3900;occ; 133; 0;42700
 6; -858.3; 01-MAY-2010 04:01:32; Dark ; 54.0; 162; 34Alp Aqr ; 2.94; 5350;occ; 108; 0;42700
 7; -635.9; 01-MAY-2010 04:05:15; Dark ; 59.0; 154; 22Bet Aqr ; 2.90; 5700;occ; 118; 0;42700
 8; -478.4; 01-MAY-2010 04:07:52; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;42700
 9; -239.1; 01-MAY-2010 04:11:52; Dark ; 42.5; 172; Gam Gru ; 3.00; 13100;occ; 85; 0;42700
 10; 635.9; 01-MAY-2010 04:26:27; Dark ; 42.5; 141; Bet Ara ; 2.84; 4600;occ; 85; 0;42701
 11; 747.2; 01-MAY-2010 04:28:18; Dark ; 50.5; 40; The Sco ; 1.86; 7100;occ; 101; 0;42701
 12; 852.4; 01-MAY-2010 04:30:03; Dark ; 55.5; 25; 35Lam Sco ; 1.62; 28000;occ; 111; 0;42701
 13; 1039.9; 01-MAY-2010 04:33:11; Dark ; 59.0; 75; 26Eps Sco ; 2.29; 4250;occ; 118; 0;42701
 14; 1265.2; 01-MAY-2010 04:36:56; Dark ; 70.5; 16; 21Alp Sco ; 1.02; 3000;occ; 141; 0;42701
 15; 1400.2; 01-MAY-2010 04:39:11; Dark ; 62.0; 80; 7Del Sco ; 2.32; 30000;occ; 124; 0;42701
 16; 1590.1; 01-MAY-2010 04:42:21; Bright; 44.5; 122; 9Alp2Lib ; 2.75; 9700;occ; 89; 0;42701
 17; 1728.1; 01-MAY-2010 04:44:39; Bright; 49.5; 104; 27Bet Lib ; 2.61; 13100;occ; 99; 0;42701
 18; 2233.3; 01-MAY-2010 04:53:04; Bright; 38.5; 111; 8Eta Boo ; 2.68; 6000;occ; 77; 0;42701
 19; 2455.6; 01-MAY-2010 04:56:46; Bright; 47.5; 83; ; 2.38; 11000;occ; 95; 0;42701
 20; 2635.9; 01-MAY-2010 04:59:47; Bright; 43.5; 180; 27Gam Boo ; 3.04; 8000;occ; 87; 0;42701
 21; 2770.2; 01-MAY-2010 05:02:01; Bright; 37.5; 39; 85Eta UMA ; 1.85; 24000;occ; 75; 0;42701
 22; 3210.0; 01-MAY-2010 05:09:21; Bright; 44.5; 119; 14Eta Dra ; 2.73; 4700;occ; 89; 0;42701

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1; -2207.7; 01-MAY-2010 05:19:39; Bright; 41.5; 89; 5Alp Cep ; 2.45; 8000;occ; 83; 0;42701
 2; -1896.2; 01-MAY-2010 05:24:50; Bright; 27.0; 19; 50Alp Cyg ; 1.25; 10500;occ; 54; 0;42701
 3; -1527.4; 01-MAY-2010 05:30:59; Dark ; 51.0; 164; 44Eta Peg ; 2.95; 5400;occ; 102; 0;42701
 4; -1262.2; 01-MAY-2010 05:35:24; Dark ; 47.5; 90; 54Alp Peg ; 2.49; 11000;occ; 95; 0;42701
 5; -1003.5; 01-MAY-2010 05:39:43; Dark ; 62.5; 61; 8Eps Peg ; 2.10; 3900;occ; 125; 0;42701


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7; -634.5; 01-MAY-2010 05:45:52; Dark ; 61.0; 154; 22Bet Aqr ; 2.90; 5700;occ; 122; 0;42701
8; -477.2; 01-MAY-2010 05:48:29; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;42701
9; -238.3; 01-MAY-2010 05:52:28; Dark ; 41.0; 172; Gam Gru ; 3.00; 13100;occ; 82; 0;42701
10; 636.8; 01-MAY-2010 06:07:03; Dark ; 51.5; 141; Bet Ara ; 2.84; 4600;occ; 103; 0;42702
11; 748.3; 01-MAY-2010 06:08:55; Dark ; 59.0; 40; The Sco ; 1.86; 7100;occ; 118; 0;42702
12; 853.3; 01-MAY-2010 06:10:40; Dark ; 61.5; 25; 35Lam Sco ; 1.62; 28000;occ; 123; 0;42702
13; 1040.7; 01-MAY-2010 06:13:47; Dark ; 61.5; 75; 26Eps Sco ; 2.29; 4250;occ; 123; 0;42702
14; 1266.1; 01-MAY-2010 06:17:33; Dark ; 81.0; 16; 21Alp Sco ; 1.02; 3000;occ; 162; 0;42702
15; 1400.5; 01-MAY-2010 06:19:47; Dark ; 61.0; 80; 7Del Sco ; 2.32; 30000;occ; 122; 0;42702
16; 1590.3; 01-MAY-2010 06:22:57; Bright; 46.0; 122; 9Alp2Lib ; 2.75; 9700;occ; 92; 0;42702
17; 1728.2; 01-MAY-2010 06:25:15; Bright; 49.0; 104; 27Bet Lib ; 2.61; 13100;occ; 98; 0;42702
18; 2233.1; 01-MAY-2010 06:33:40; Bright; 40.0; 111; 8Eta Boo ; 2.68; 6000;occ; 80; 0;42702
19; 2455.2; 01-MAY-2010 06:37:22; Bright; 48.0; 83; ; 2.38; 11000;occ; 96; 0;42702
20; 2635.6; 01-MAY-2010 06:40:22; Bright; 43.0; 180; 27Gam Boo ; 3.04; 8000;occ; 86; 0;42702
21; 2770.3; 01-MAY-2010 06:42:37; Bright; 36.5; 39; 85Eta UMa ; 1.85; 24000;occ; 73; 0;42702
22; 3209.5; 01-MAY-2010 06:49:56; Bright; 45.0; 119; 14Eta Dra ; 2.73; 4700;occ; 90; 0;42702
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2; 1046.3; 01-MAY-2010 19:38:40; Dark ; 62.0; 75; 26Eps Sco ; 2.29; 4250;occ; 124; 0;42710
3; 1269.7; 01-MAY-2010 19:42:24; Dark ; 70.5; 16; 21Alp Sco ; 1.02; 3000;occ; 141; 0;42710
4; 1403.0; 01-MAY-2010 19:44:37; Dark ; 57.5; 80; 7Del Sco ; 2.32; 30000;occ; 115; 0;42710
5; 1591.3; 01-MAY-2010 19:47:46; Bright; 42.0; 122; 9Alp2Lib ; 2.75; 9700;occ; 84; 0;42710
6; 1727.9; 01-MAY-2010 19:50:02; Bright; 48.0; 104; 27Bet Lib ; 2.61; 13100;occ; 96; 0;42710
7; 2231.6; 01-MAY-2010 19:58:26; Bright; 38.0; 111; 8Eta Boo ; 2.68; 6000;occ; 76; 0;42710
8; 2450.9; 01-MAY-2010 20:02:05; Bright; 46.5; 83; ; 2.38; 11000;occ; 93; 0;42710
9; 2632.0; 01-MAY-2010 20:05:06; Bright; 40.5; 180; 27Gam Boo ; 3.04; 8000;occ; 81; 0;42710
10; 2768.3; 01-MAY-2010 20:07:23; Bright; 36.0; 39; 85Eta UMa ; 1.85; 24000;occ; 72; 0;42710
11; 3204.3; 01-MAY-2010 20:14:39; Bright; 44.0; 119; 14Eta Dra ; 2.73; 4700;occ; 88; 0;42710
12; 3825.4; 01-MAY-2010 20:25:00; Bright; 40.5; 89; 5Alp Cep ; 2.45; 8000;occ; 81; 0;42710
13; 4509.7; 01-MAY-2010 20:36:24; Dark ; 49.5; 164; 44Eta Peg ; 2.95; 5400;occ; 99; 0;42710
14; 4776.8; 01-MAY-2010 20:40:51; Dark ; 46.0; 90; 54Alp Peg ; 2.49; 11000;occ; 92; 0;42710
15; 5039.7; 01-MAY-2010 20:45:14; Dark ; 60.5; 61; 8Eps Peg ; 2.10; 3900;occ; 121; 0;42710
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3; -623.1; 01-MAY-2010 20:51:27; Dark ; 62.5; 154; 22Bet Aqr ; 2.90; 5700;occ; 125; 0;42710
4; -466.8; 01-MAY-2010 20:54:03; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;42710
5; -232.0; 01-MAY-2010 20:57:58; Dark ; 43.5; 172; Gam Gru ; 3.00; 13100;occ; 87; 0;42710
6; 642.3; 01-MAY-2010 21:12:32; Dark ; 42.0; 141; Bet Ara ; 2.84; 4600;occ; 84; 0;42711
7; 756.0; 01-MAY-2010 21:14:26; Dark ; 60.5; 40; The Sco ; 1.86; 7100;occ; 121; 0;42711
8; 862.2; 01-MAY-2010 21:16:12; Dark ; 61.0; 25; 35Lam Sco ; 1.62; 28000;occ; 122; 0;42711
9; 1046.9; 01-MAY-2010 21:19:17; Dark ; 63.5; 75; 26Eps Sco ; 2.29; 4250;occ; 127; 0;42711
10; 1270.3; 01-MAY-2010 21:23:00; Dark ; 68.5; 16; 21Alp Sco ; 1.02; 3000;occ; 137; 0;42711
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13; 1727.6; 01-MAY-2010 21:30:38; Bright; 49.0; 104; 27Bet Lib ; 2.61; 13100;occ; 98; 0;42711
14; 2231.3; 01-MAY-2010 21:39:01; Bright; 38.0; 111; 8Eta Boo ; 2.68; 6000;occ; 76; 0;42711
15; 2450.2; 01-MAY-2010 21:42:40; Bright; 43.5; 83; ; 2.38; 11000;occ; 87; 0;42711
16; 2631.5; 01-MAY-2010 21:45:42; Bright; 39.5; 180; 27Gam Boo ; 3.04; 8000;occ; 79; 0;42711
17; 2769.3; 01-MAY-2010 21:47:59; Bright; 37.0; 39; 85Eta UMa ; 1.85; 24000;occ; 74; 0;42711
18; 3203.6; 01-MAY-2010 21:55:14; Bright; 46.0; 119; 14Eta Dra ; 2.73; 4700;occ; 92; 0;42711
19; 3825.1; 01-MAY-2010 22:05:35; Bright; 45.5; 89; 5Alp Cep ; 2.45; 8000;occ; 91; 0;42711
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21; 4776.9; 01-MAY-2010 22:21:27; Dark ; 44.5; 90; 54Alp Peg ; 2.49; 11000;occ; 89; 0;42711
22; 5040.8; 01-MAY-2010 22:25:51; Dark ; 68.0; 61; 8Eps Peg ; 2.10; 3900;occ; 136; 0;42711
23; 5186.4; 01-MAY-2010 22:28:17; Dark ; 53.5; 162; 34Alp Aqr ; 2.94; 5350;occ; 107; 0;42711
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3; 642.7; 01-MAY-2010 22:53:09; Dark ; 44.5; 141; Bet Ara ; 2.84; 4600;occ; 89; 0;42712
4; 757.1; 01-MAY-2010 22:55:03; Dark ; 52.5; 40; The Sco ; 1.86; 7100;occ; 105; 0;42712
5; 862.9; 01-MAY-2010 22:56:49; Dark ; 59.0; 25; 35Lam Sco ; 1.62; 28000;occ; 118; 0;42712
6; 1047.6; 01-MAY-2010 22:59:54; Dark ; 60.5; 75; 26Eps Sco ; 2.29; 4250;occ; 121; 0;42712
7; 1270.7; 01-MAY-2010 23:03:37; Dark ; 80.0; 16; 21Alp Sco ; 1.02; 3000;occ; 160; 0;42712
8; 1403.6; 01-MAY-2010 23:05:50; Dark ; 60.5; 80; 7Del Sco ; 2.32; 30000;occ; 121; 0;42712
9; 1591.3; 01-MAY-2010 23:08:57; Bright; 45.5; 122; 9Alp2Lib ; 2.75; 9700;occ; 91; 0;42712
10; 1727.4; 01-MAY-2010 23:11:13; Bright; 46.5; 104; 27Bet Lib ; 2.61; 13100;occ; 93; 0;42712

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12; 2449.8; 01-MAY-2010 23:23:16; Bright; 45.5; 83; ; 2.38; 11000;occ; 91; 0;42712
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14; 3203.4; 01-MAY-2010 23:35:49; Bright; 44.5; 119; 14Eta Dra ; 2.73; 4700;occ; 89; 0;42712
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16; 4510.2; 01-MAY-2010 23:57:36; Dark ; 50.5; 164; 44Eta Peg ; 2.95; 5400;occ; 101; 0;42712
17; 4777.3; 02-MAY-2010 00:02:03; Dark ; 44.5; 90; 54Alp Peg ; 2.49; 11000;occ; 89; 0;42712
18; 5041.4; 02-MAY-2010 00:06:27; Dark ; 69.5; 61; 8Eps Peg ; 2.10; 3900;occ; 139; 0;42712
19; 5187.2; 02-MAY-2010 00:08:53; Dark ; 55.5; 162; 34Alp Aqr ; 2.94; 5350;occ; 111; 0;42712
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 7; -476.1; 01-MAY-2010 07:29:07; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;42702
 8; -237.6; 01-MAY-2010 07:33:05; Dark ; 41.5; 172; Gam Gru ; 3.00; 13100;occ; 83; 0;42702
 9; 637.2; 01-MAY-2010 07:47:40; Dark ; 48.0; 141; Bet Ara ; 2.84; 4600;occ; 96; 0;42703
10; 749.1; 01-MAY-2010 07:49:32; Dark ; 63.5; 40; The Sco ; 1.86; 7100;occ; 127; 0;42703
11; 854.2; 01-MAY-2010 07:51:17; Dark ; 56.5; 25; 35Lam Sco ; 1.62; 28000;occ; 113; 0;42703
12; 1041.3; 01-MAY-2010 07:54:24; Dark ; 59.5; 75; 26Eps Sco ; 2.29; 4250;occ; 119; 0;42703
13; 1266.2; 01-MAY-2010 07:58:09; Dark ; 75.5; 16; 21Alp Sco ; 1.02; 3000;occ; 151; 0;42703
14; 1400.9; 01-MAY-2010 08:00:24; Dark ; 61.0; 80; 7Del Sco ; 2.32; 30000;occ; 122; 0;42703
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3; 2229.8; 02-MAY-2010 14:24:59; Bright; 38.5; 111; 8Eta Boo ; 2.68; 6000;occ; 77; 0;42721
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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
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 4; 2433.0; 04-MAY-2010 11:44:33; Bright; 41.5; 83; ; 2.38; 11000;occ; 83; 0;42748
 5; 2616.0; 04-MAY-2010 11:47:36; Bright; 40.5; 180; 27Gam Boo ; 3.04; 8000;occ; 81; 0;42748
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 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; 1420.8; 06-MAY-2010 07:03:15; Dark ; 56.5; 80; 7Del Sco ; 2.32; 30000;occ; 113; 0;42774
 12; 1598.4; 06-MAY-2010 07:06:12; Bright; 41.5; 122; 9Alp2Lib ; 2.75; 9700;occ; 83; 0;42774
 13; 1725.3; 06-MAY-2010 07:08:19; Bright; 31.5; 104; 27Bet Lib ; 2.61; 13100;occ; 63; 0;42774

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 2; 2105.0; 06-MAY-2010 07:14:39; Bright; 56.5; 102; 24Alp Ser ; 2.60; 4250;occ; 113; 0;42774
 3; 2248.0; 06-MAY-2010 07:17:02; Bright; 39.0; 3; 16Alp Boo ; -0.05; 4250;occ; 78; 0;42774
 4; 2422.5; 06-MAY-2010 07:19:56; Bright; 41.5; 83; ; 2.38; 11000;occ; 83; 0;42774
 5; 2517.9; 06-MAY-2010 07:21:32; Bright; 48.5; 67; 5Alp CrB ; 2.22; 11000;occ; 97; 0;42774
 6; 3166.4; 06-MAY-2010 07:32:20; Bright; 44.0; 119; 14Eta Dra ; 2.73; 4700;occ; 88; 0;42774
 7; 3804.7; 06-MAY-2010 07:42:59; Bright; 44.0; 89; 5Alp Cep ; 2.45; 8000;occ; 88; 0;42774
 8; 4550.1; 06-MAY-2010 07:55:24; Dark ; 53.0; 93; 53Bet Peg ; 2.52; 3100;occ; 106; 0;42774
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 10; 5243.4; 06-MAY-2010 08:06:57; Dark ; 59.5; 162; 34Alp Aqr ; 2.94; 5350;occ; 119; 0;42774
 11; 5650.6; 06-MAY-2010 08:13:45; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;42774
 12; 5855.2; 06-MAY-2010 08:17:09; Dark ; 42.0; 172; Gam Gru ; 3.00; 13100;occ; 84; 0;42774
 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
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 17; 7457.3; 06-MAY-2010 08:43:51; Dark ; 59.0; 80; 7Del Sco ; 2.32; 30000;occ; 118; 0;42775
 18; 7634.5; 06-MAY-2010 08:46:48; Bright; 42.0; 122; 9Alp2Lib ; 2.75; 9700;occ; 84; 0;42775
 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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 3; 2247.9; 06-MAY-2010 08:57:38; Bright; 43.0; 3; 16Alp Boo ; -0.05; 4250;occ; 86; 0;42775
 4; 2422.0; 06-MAY-2010 09:00:32; Bright; 43.0; 83; ; 2.38; 11000;occ; 86; 0;42775
 5; 2517.2; 06-MAY-2010 09:02:07; Bright; 50.5; 67; 5Alp CrB ; 2.22; 11000;occ; 101; 0;42775
 6; 3165.8; 06-MAY-2010 09:12:56; Bright; 43.5; 119; 14Eta Dra ; 2.73; 4700;occ; 87; 0;42775
 7; 3804.4; 06-MAY-2010 09:23:34; Bright; 45.5; 89; 5Alp Cep ; 2.45; 8000;occ; 91; 0;42775
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 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
 11; 5652.0; 06-MAY-2010 09:54:22; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;42775
 12; 5855.9; 06-MAY-2010 09:57:46; Dark ; 42.5; 172; Gam Gru ; 3.00; 13100;occ; 85; 0;42775
 13; 6820.1; 06-MAY-2010 10:13:50; Dark ; 67.0; 38; 20Eps Sgr ; 1.84; 11000;occ; 134; 0;42776
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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
 9; 4550.5; 06-MAY-2010 11:16:36; Dark ; 61.0; 93; 53Bet Peg ; 2.52; 3100;occ; 122; 0;42776
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 11; 5245.5; 06-MAY-2010 11:28:11; Dark ; 61.0; 162; 34Alp Aqr ; 2.94; 5350;occ; 122; 0;42776
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 13; 5856.9; 06-MAY-2010 11:38:23; Dark ; 43.0; 172; Gam Gru ; 3.00; 13100;occ; 86; 0;42776
 14; 6821.2; 06-MAY-2010 11:54:27; Dark ; 66.5; 38; 20Eps Sgr ; 1.84; 11000;occ; 133; 0;42777


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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
18; 7457.4; 06-MAY-2010 12:05:03; Dark ; 54.5; 80; 7Del Sco ; 2.32; 30000;occ; 109; 0;42777
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 3; 2103.5; 06-MAY-2010 12:16:25; Bright; 53.0; 102; 24Alp Ser ; 2.60; 4250;occ; 106; 0;42777
 4; 2247.6; 06-MAY-2010 12:18:49; Bright; 37.5; 3; 16Alp Boo ; -0.05; 4250;occ; 75; 0;42777
 5; 2421.1; 06-MAY-2010 12:21:43; Bright; 40.5; 83; ; 2.38; 11000;occ; 81; 0;42777
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 7; 3164.7; 06-MAY-2010 12:34:06; Bright; 44.0; 119; 14Eta Dra ; 2.73; 4700;occ; 88; 0;42777
 8; 3803.6; 06-MAY-2010 12:44:45; Bright; 42.5; 89; 5Alp Cep ; 2.45; 8000;occ; 85; 0;42777
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11; 5246.6; 06-MAY-2010 13:08:48; Dark ; 60.5; 162; 34Alp Aqr ; 2.94; 5350;occ; 121; 0;42777
12; 5654.7; 06-MAY-2010 13:15:36; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;42777
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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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 3; 1725.1; 06-MAY-2010 13:50:43; Bright; 45.0; 104; 27Bet Lib ; 2.61; 13100;occ; 90; 0;42778
 4; 2102.8; 06-MAY-2010 13:57:00; Bright; 53.0; 102; 24Alp Ser ; 2.60; 4250;occ; 106; 0;42778
 5; 2247.0; 06-MAY-2010 13:59:24; Bright; 39.5; 3; 16Alp Boo ; -0.05; 4250;occ; 79; 0;42778
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 8; 3164.1; 06-MAY-2010 14:14:42; Bright; 44.0; 119; 14Eta Dra ; 2.73; 4700;occ; 88; 0;42778
 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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13; 5656.2; 06-MAY-2010 14:56:14; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;42778
14; 5858.7; 06-MAY-2010 14:59:36; Dark ; 41.5; 172; Gam Gru ; 3.00; 13100;occ; 83; 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
 5; 1092.4; 06-MAY-2010 17:01:22; Dark ; 44.5; 75; 26Eps Sco ; 2.29; 4250;occ; 89; 0;42780
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 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
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 7; 932.0; 06-MAY-2010 23:41:05; Dark ; 39.0; 115; 34Ups Sco ; 2.70; 26000;occ; 78; 0;42784
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 9; 1333.9; 06-MAY-2010 23:47:47; Dark ; 25.0; 156; 20Sig Sco ; 2.90; 28000;occ; 50; 0;42784
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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
20; 3965.2; 07-MAY-2010 00:31:38; Bright; 44.0; 74; 11Bet Cas ; 2.27; 6600;occ; 88; 0;42784
21; 4551.9; 07-MAY-2010 00:41:25; Dark ; 52.5; 93; 53Bet Peg ; 2.52; 3100;occ; 105; 0;42784
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 6; 2420.2; 06-MAY-2010 17:23:30; Bright; 42.0; 83; ; 2.38; 11000;occ; 84; 0;42780
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19; 6720.6; 06-MAY-2010 18:35:10; Dark ; 52.0; 141; Bet Ara ; 2.84; 4600;occ; 104; 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
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 7; 3799.0; 07-MAY-2010 10:32:28; Bright; 55.5; 89; 5Alp Cep ; 2.45; 8000;occ; 111; 0;42790
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 4; 2415.5; 07-MAY-2010 13:30:36; Bright; 40.0; 83; ; 2.38; 11000;occ; 80; 0;42792
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15; 6277.2; 07-MAY-2010 14:34:58; Dark ; 42.5; 45; Alp Pav ; 1.94; 26000;occ; 85; 0;42793
16; 6727.4; 07-MAY-2010 14:42:28; Dark ; 43.5; 141; Bet Ara ; 2.84; 4600;occ; 87; 0;42793
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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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22; 6319.6; 11-MAY-2010 20:52:12; Dark ; 40.5; 45; Alp Pav ; 1.94; 26000;occ; 81; 0;42854
23; 6761.6; 11-MAY-2010 20:59:34; Dark ; 54.0; 141; Bet Ara ; 2.84; 4600;occ; 108; 0;42854
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11; 1441.0; 12-MAY-2010 00:32:41; Dark ; 59.0; 80; 7Del Sco ; 2.32; 30000;occ; 118; 0;42856
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11; 727.8; 12-MAY-2010 03:42:00; Dark ; 42.0; 141; Bet Ara ; 2.84; 4600;occ; 84; 0;42858
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13; 984.5; 12-MAY-2010 03:46:16; Dark ; 56.5; 25; 35Lam Sco ; 1.62; 28000;occ; 113; 0;42858
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 5; 2747.4; 12-MAY-2010 09:17:27; Bright; 35.0; 39; 85Eta UMa ; 1.85; 24000;occ; 70; 0;42861
 6; 3119.0; 12-MAY-2010 09:23:39; Bright; 42.5; 119; 14Eta Dra ; 2.73; 4700;occ; 85; 0;42861
 7; 3771.7; 12-MAY-2010 09:34:32; Bright; 46.0; 89; 5Alp Cep ; 2.45; 8000;occ; 92; 0;42861
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 6; 2747.2; 12-MAY-2010 14:19:15; Bright; 38.0; 39; 85Eta UMa ; 1.85; 24000;occ; 76; 0;42864
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 8; 3770.5; 12-MAY-2010 14:36:18; Bright; 46.0; 89; 5Alp Cep ; 2.45; 8000;occ; 92; 0;42864
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 22; 6329.2; 12-MAY-2010 20:20:45; Dark ; 41.0; 45; Alp Pav ; 1.94; 26000;occ; 82; 0;42868
 23; 6769.2; 12-MAY-2010 20:28:05; Dark ; 49.0; 141; Bet Ara ; 2.84; 4600;occ; 98; 0;42868
 24; 6915.6; 12-MAY-2010 20:30:31; Dark ; 54.0; 40; The Sco ; 1.86; 7100;occ; 108; 0;42868
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 13; 3769.1; 12-MAY-2010 21:18:41; Bright; 44.0; 89; 5Alp Cep ; 2.45; 8000;occ; 88; 0;42868
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3; 1506.0; 15-MAY-2010 17:25:30; Bright; 47.5; 97; 8Bet1Sco ; 2.56; 30000;occ; 95; 0;42909
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5; 1858.3; 15-MAY-2010 17:31:23; Bright; 50.0; 120; 1Del Oph ; 2.73; 3200;occ; 100; 0;42909
6; 2049.0; 15-MAY-2010 17:34:33; Bright; 44.0; 102; 24Alp Ser ; 2.60; 4250;occ; 88; 0;42909
7; 2383.9; 15-MAY-2010 17:40:08; Bright; 41.5; 83; ; 2.38; 11000;occ; 83; 0;42909
8; 2571.9; 15-MAY-2010 17:43:16; Bright; 38.5; 180; 27Gam Boo ; 3.04; 8000;occ; 77; 0;42909
9; 3095.2; 15-MAY-2010 17:52:00; Bright; 39.5; 119; 14Eta Dra ; 2.73; 4700;occ; 79; 0;42909
10; 3751.6; 15-MAY-2010 18:02:56; Bright; 44.5; 89; 5Alp Cep ; 2.45; 8000;occ; 89; 0;42909
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13; 4762.0; 15-MAY-2010 18:19:46; Dark ; 42.0; 140; 88Gam Peg ; 2.83; 26000;occ; 84; 0;42909
14; 4858.5; 15-MAY-2010 18:21:23; Dark ; 54.0; 90; 54Alp Peg ; 2.49; 11000;occ; 108; 0;42909
15; 5674.7; 15-MAY-2010 18:34:59; Dark ; 45.5; 18; 24Alp PsA ; 1.17; 9700;occ; 91; 0;42909
16; 5823.0; 15-MAY-2010 18:37:27; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;42909
17; 6024.7; 15-MAY-2010 18:40:49; Dark ; 42.5; 31; Alp Gru ; 1.73; 15200;occ; 85; 0;42909
18; 6358.8; 15-MAY-2010 18:46:23; Dark ; 41.5; 45; Alp Pav ; 1.94; 26000;occ; 83; 0;42910
19; 6791.4; 15-MAY-2010 18:53:36; Dark ; 44.0; 141; Bet Ara ; 2.84; 4600;occ; 88; 0;42910
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3; 1161.8; 15-MAY-2010 19:00:22; Dark ; 52.0; 75; 26Eps Sco ; 2.29; 4250;occ; 104; 0;42910
4; 1348.6; 15-MAY-2010 19:03:29; Dark ; 61.0; 16; 21Alp Sco ; 1.02; 3000;occ; 122; 0;42910
5; 1506.1; 15-MAY-2010 19:06:07; Bright; 45.5; 97; 8Bet1Sco ; 2.56; 30000;occ; 91; 0;42910

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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
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4; 324.3; 15-MAY-2010 22:07:37; Dark ; 42.0; 45; Alp Pav ; 1.94; 26000;occ; 84; 0;42912
5; 756.4; 15-MAY-2010 22:14:49; Dark ; 51.0; 141; Bet Ara ; 2.84; 4600;occ; 102; 0;42912
6; 930.6; 15-MAY-2010 22:17:43; Dark ; 30.0; 38; 20Eps Sgr ; 1.84; 11000;occ; 60; 0;42912
7; 1021.3; 15-MAY-2010 22:19:14; Dark ; 58.0; 25; 35Lam Sco ; 1.62; 28000;occ; 116; 0;42912
8; 1162.9; 15-MAY-2010 22:21:35; Dark ; 53.0; 75; 26Eps Sco ; 2.29; 4250;occ; 106; 0;42912
9; 1348.9; 15-MAY-2010 22:24:41; Dark ; 60.0; 16; 21Alp Sco ; 1.02; 3000;occ; 120; 0;42912
10; 1506.3; 15-MAY-2010 22:27:19; Bright; 45.5; 97; 8Bet1Sco ; 2.56; 30000;occ; 91; 0;42912
11; 1727.0; 15-MAY-2010 22:30:59; Bright; 39.5; 104; 27Bet Lib ; 2.61; 13100;occ; 79; 0;42912
12; 1857.4; 15-MAY-2010 22:33:10; Bright; 50.5; 120; 1Del Oph ; 2.73; 3200;occ; 101; 0;42912
13; 2048.0; 15-MAY-2010 22:36:20; Bright; 44.5; 102; 24Alp Ser ; 2.60; 4250;occ; 89; 0;42912
14; 2382.9; 15-MAY-2010 22:41:55; Bright; 40.0; 83; ; 2.38; 11000;occ; 80; 0;42912
15; 2571.3; 15-MAY-2010 22:45:04; Bright; 38.5; 180; 27Gam Boo ; 3.04; 8000;occ; 77; 0;42912
16; 3093.7; 15-MAY-2010 22:53:46; Bright; 61.0; 119; 14Eta Dra ; 2.73; 4700;occ; 122; 0;42912
17; 3750.1; 15-MAY-2010 23:04:42; Bright; 44.0; 89; 5Alp Cep ; 2.45; 8000;occ; 88; 0;42912
18; 3961.8; 15-MAY-2010 23:08:14; Bright; 55.0; 74; 11Bet Cas ; 2.27; 6600;occ; 110; 0;42912
19; 4513.6; 15-MAY-2010 23:17:26; Dark ; 45.0; 58; 21Alp And ; 2.07; 11000;occ; 90; 0;42912
20; 4762.6; 15-MAY-2010 23:21:35; Dark ; 44.0; 140; 88Gam Peg ; 2.83; 26000;occ; 88; 0;42912
21; 4860.1; 15-MAY-2010 23:23:12; Dark ; 52.5; 90; 54Alp Peg ; 2.49; 11000;occ; 105; 0;42912

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4; 324.4; 15-MAY-2010 23:48:13; Dark ; 51.0; 45; Alp Pav ; 1.94; 26000;occ; 102; 0;42913
5; 756.8; 15-MAY-2010 23:55:25; Dark ; 43.5; 141; Bet Ara ; 2.84; 4600;occ; 87; 0;42913
6; 931.6; 15-MAY-2010 23:58:20; Dark ; 30.0; 38; 20Eps Sgr ; 1.84; 11000;occ; 60; 0;42913
7; 1022.1; 15-MAY-2010 23:59:50; Dark ; 54.0; 25; 35Lam Sco ; 1.62; 28000;occ; 108; 0;42913
8; 1163.1; 16-MAY-2010 00:02:11; Dark ; 52.5; 75; 26Eps Sco ; 2.29; 4250;occ; 105; 0;42913
9; 1349.3; 16-MAY-2010 00:05:17; Dark ; 63.0; 16; 21Alp Sco ; 1.02; 3000;occ; 126; 0;42913
10; 1506.5; 16-MAY-2010 00:07:55; Bright; 43.5; 97; 8Bet1Sco ; 2.56; 30000;occ; 87; 0;42913

11; 1727.3; 16-MAY-2010 00:11:35; Bright; 40.0; 104; 27Bet Lib ; 2.61; 13100;occ; 80; 0;42913
 12; 1857.3; 16-MAY-2010 00:13:45; Bright; 50.0; 120; 1Del Oph ; 2.73; 3200;occ; 100; 0;42913
 13; 2047.9; 16-MAY-2010 00:16:56; Bright; 44.5; 102; 24Alp Ser ; 2.60; 4250;occ; 89; 0;42913
 14; 2383.2; 16-MAY-2010 00:22:31; Bright; 37.0; 83; ; 2.38; 11000;occ; 74; 0;42913
 15; 2570.9; 16-MAY-2010 00:25:39; Bright; 38.0; 180; 27Gam Boo ; 3.04; 8000;occ; 76; 0;42913
 16; 3092.9; 16-MAY-2010 00:34:21; Bright; 43.0; 119; 14Eta Dra ; 2.73; 4700;occ; 86; 0;42913
 17; 3749.7; 16-MAY-2010 00:45:18; Bright; 46.0; 89; 5Alp Cep ; 2.45; 8000;occ; 92; 0;42913
 18; 3961.8; 16-MAY-2010 00:48:50; Bright; 38.5; 74; 11Bet Cas ; 2.27; 6600;occ; 77; 0;42913
 19; 4514.0; 16-MAY-2010 00:58:02; Dark ; 44.0; 58; 21Alp And ; 2.07; 11000;occ; 88; 0;42913
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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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 21; 4861.5; 16-MAY-2010 02:44:25; Dark ; 56.0; 90; 54Alp Peg ; 2.49; 11000;occ; 112; 0;42914
 22; 5678.8; 16-MAY-2010 02:58:03; Dark ; 47.0; 18; 24Alp PsA ; 1.17; 9700;occ; 94; 0;42914
 23; 5827.3; 16-MAY-2010 03:00:31; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;42914
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 26; 6794.1; 16-MAY-2010 03:16:38; Dark ; 46.0; 141; Bet Ara ; 2.84; 4600;occ; 92; 0;42915
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 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
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 18; 1856.7; 16-MAY-2010 05:15:33; Bright; 50.0; 120; 1Del Oph ; 2.73; 3200;occ; 100; 0;42916
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21; 7392.1; 17-MAY-2010 12:58:35; Dark ; 56.0; 16; 21Alp Sco ; 1.02; 3000;occ; 112; 0;42935
22; 7546.1; 17-MAY-2010 13:01:09; Bright; 44.0; 97; 8Bet1Sco ; 2.56; 30000;occ; 88; 0;42935

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4; 2379.3; 17-MAY-2010 13:15:38; Bright; 42.0; 83; ; 2.38; 11000;occ; 84; 0;42935
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6; 3083.0; 17-MAY-2010 13:27:21; Bright; 40.0; 119; 14Eta Dra ; 2.73; 4700;occ; 80; 0;42935
7; 3740.0; 17-MAY-2010 13:38:18; Bright; 45.0; 89; 5Alp Cep ; 2.45; 8000;occ; 90; 0;42935
8; 3960.1; 17-MAY-2010 13:41:59; Bright; 55.0; 74; 11Bet Cas ; 2.27; 6600;occ; 110; 0;42935
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10; 4769.7; 17-MAY-2010 13:55:28; Dark ; 43.5; 140; 88Gam Peg ; 2.83; 26000;occ; 87; 0;42935
11; 4873.0; 17-MAY-2010 13:57:11; Dark ; 53.5; 90; 54Alp Peg ; 2.49; 11000;occ; 107; 0;42935
12; 5696.0; 17-MAY-2010 14:10:54; Dark ; 52.0; 18; 24Alp PsA ; 1.17; 9700;occ; 104; 0;42935
13; 5846.3; 17-MAY-2010 14:13:25; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;42935
14; 5953.5; 17-MAY-2010 14:15:12; Dark ; 58.0; 63; Bet Gru ; 2.15; 2800;occ; 116; 0;42935
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16; 6376.6; 17-MAY-2010 14:22:15; Dark ; 42.0; 45; Alp Pav ; 1.94; 26000;occ; 84; 0;42936
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
19; 7072.5; 17-MAY-2010 14:33:51; Dark ; 52.5; 25; 35Lam Sco ; 1.62; 28000;occ; 105; 0;42936
20; 7209.4; 17-MAY-2010 14:36:08; Dark ; 49.5; 75; 26Eps Sco ; 2.29; 4250;occ; 99; 0;42936
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3; 1852.5; 17-MAY-2010 14:47:27; Bright; 48.5; 120; 1Del Oph ; 2.73; 3200;occ; 97; 0;42936
4; 2041.8; 17-MAY-2010 14:50:36; Bright; 43.0; 102; 24Alp Ser ; 2.60; 4250;occ; 86; 0;42936
5; 2379.1; 17-MAY-2010 14:56:13; Bright; 37.5; 83; ; 2.38; 11000;occ; 75; 0;42936
6; 2567.7; 17-MAY-2010 14:59:22; Bright; 38.0; 180; 27Gam Boo ; 3.04; 8000;occ; 76; 0;42936
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
12; 4873.5; 17-MAY-2010 15:37:48; Dark ; 56.0; 90; 54Alp Peg ; 2.49; 11000;occ; 112; 0;42936
13; 5696.9; 17-MAY-2010 15:51:31; Dark ; 52.5; 18; 24Alp PsA ; 1.17; 9700;occ; 105; 0;42936
14; 5847.3; 17-MAY-2010 15:54:02; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;42936
15; 5954.4; 17-MAY-2010 15:55:49; Dark ; 53.5; 63; Bet Gru ; 2.15; 2800;occ; 107; 0;42936
16; 6045.5; 17-MAY-2010 15:57:20; Dark ; 42.0; 31; Alp Gru ; 1.73; 15200;occ; 84; 0;42937
17; 6377.6; 17-MAY-2010 16:02:52; Dark ; 41.0; 45; Alp Pav ; 1.94; 26000;occ; 82; 0;42937
18; 6805.2; 17-MAY-2010 16:10:00; Dark ; 40.5; 141; Bet Ara ; 2.84; 4600;occ; 81; 0;42937
19; 6989.7; 17-MAY-2010 16:13:04; Dark ; 55.0; 38; 20Eps Sgr ; 1.84; 11000;occ; 110; 0;42937
20; 7073.4; 17-MAY-2010 16:14:28; Dark ; 52.5; 25; 35Lam Sco ; 1.62; 28000;occ; 105; 0;42937
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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 11; 4518.1; 17-MAY-2010 17:12:28; Dark ; 44.5; 58; 21Alp And ; 2.07; 11000;occ; 89; 0;42937
 12; 4770.2; 17-MAY-2010 17:16:41; Dark ; 43.0; 140; 88Gam Peg ; 2.83; 26000;occ; 86; 0;42937
 13; 4874.1; 17-MAY-2010 17:18:24; Dark ; 57.5; 90; 54Alp Peg ; 2.49; 11000;occ; 115; 0;42937
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 15; 5848.2; 17-MAY-2010 17:34:39; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;42937
 16; 5954.9; 17-MAY-2010 17:36:25; Dark ; 48.0; 63; Bet Gru ; 2.15; 2800;occ; 96; 0;42937
 17; 6046.3; 17-MAY-2010 17:37:57; Dark ; 44.0; 31; Alp Gru ; 1.73; 15200;occ; 88; 0;42938
 18; 6378.5; 17-MAY-2010 17:43:29; Dark ; 41.5; 45; Alp Pav ; 1.94; 26000;occ; 83; 0;42938
 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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 5; 1728.1; 17-MAY-2010 18:06:34; Bright; 40.0; 104; 27Bet Lib ; 2.61; 13100;occ; 80; 0;42938
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 7; 2041.3; 17-MAY-2010 18:11:48; Bright; 42.5; 102; 24Alp Ser ; 2.60; 4250;occ; 85; 0;42938
 8; 2378.9; 17-MAY-2010 18:17:25; Bright; 40.5; 83; ; 2.38; 11000;occ; 81; 0;42938
 9; 2567.5; 17-MAY-2010 18:20:34; Bright; 36.0; 180; 27Gam Boo ; 3.04; 8000;occ; 72; 0;42938
 10; 3081.5; 17-MAY-2010 18:29:08; Bright; 43.5; 119; 14Eta Dra ; 2.73; 4700;occ; 87; 0;42938
 11; 3738.1; 17-MAY-2010 18:40:04; Bright; 45.5; 89; 5Alp Cep ; 2.45; 8000;occ; 91; 0;42938
 12; 3959.9; 17-MAY-2010 18:43:46; Bright; 35.5; 74; 11Bet Cas ; 2.27; 6600;occ; 71; 0;42938
 13; 4518.1; 17-MAY-2010 18:53:04; Dark ; 45.0; 58; 21Alp And ; 2.07; 11000;occ; 90; 0;42938
 14; 4770.3; 17-MAY-2010 18:57:17; Dark ; 45.0; 140; 88Gam Peg ; 2.83; 26000;occ; 90; 0;42938
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 16; 5698.4; 17-MAY-2010 19:12:45; Dark ; 49.0; 18; 24Alp PsA ; 1.17; 9700;occ; 98; 0;42938
 17; 5849.1; 17-MAY-2010 19:15:15; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;42938
 18; 5955.7; 17-MAY-2010 19:17:02; Dark ; 58.0; 63; Bet Gru ; 2.15; 2800;occ; 116; 0;42938
 19; 6047.2; 17-MAY-2010 19:18:34; Dark ; 41.0; 31; Alp Gru ; 1.73; 15200;occ; 82; 0;42939
 20; 6378.9; 17-MAY-2010 19:24:05; Dark ; 42.5; 45; Alp Pav ; 1.94; 26000;occ; 85; 0;42939
 21; 6805.9; 17-MAY-2010 19:31:12; Dark ; 51.5; 141; Bet Ara ; 2.84; 4600;occ; 103; 0;42939
 22; 6991.0; 17-MAY-2010 19:34:17; Dark ; 16.5; 38; 20Eps Sgr ; 1.84; 11000;occ; 33; 0;42939

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 4; 13.3; 18-MAY-2010 00:20:23; Dark ; 43.5; 31; Alp Gru ; 1.73; 15200;occ; 87; 0;42942
 5; 344.9; 18-MAY-2010 00:25:55; Dark ; 42.5; 45; Alp Pav ; 1.94; 26000;occ; 85; 0;42942
 6; 771.3; 18-MAY-2010 00:33:01; Dark ; 43.5; 141; Bet Ara ; 2.84; 4600;occ; 87; 0;42942
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 8; 1040.4; 18-MAY-2010 00:37:30; Dark ; 52.5; 25; 35Lam Sco ; 1.62; 28000;occ; 105; 0;42942
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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
 13; 1851.5; 18-MAY-2010 00:51:01; Bright; 48.0; 120; 1Del Oph ; 2.73; 3200;occ; 96; 0;42942
 14; 2040.2; 18-MAY-2010 00:54:10; Bright; 42.5; 102; 24Alp Ser ; 2.60; 4250;occ; 85; 0;42942
 15; 2378.2; 18-MAY-2010 00:59:48; Bright; 39.5; 83; ; 2.38; 11000;occ; 79; 0;42942
 16; 2566.7; 18-MAY-2010 01:02:57; Bright; 36.5; 180; 27Gam Boo ; 3.04; 8000;occ; 73; 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
 22; 4876.7; 18-MAY-2010 01:41:27; Dark ; 55.0; 90; 54Alp Peg ; 2.49; 11000;occ; 110; 0;42942

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4; 13.9; 18-MAY-2010 02:01:00; Dark ; 42.5; 31; Alp Gru ; 1.73; 15200;occ; 85; 0;42943
5; 346.0; 18-MAY-2010 02:06:32; Dark ; 41.0; 45; Alp Pav ; 1.94; 26000;occ; 82; 0;42943
6; 774.6; 18-MAY-2010 02:13:40; Dark ; 46.0; 141; Bet Ara ; 2.84; 4600;occ; 92; 0;42943
7; 928.9; 18-MAY-2010 02:16:15; Dark ; 53.0; 40; The Sco ; 1.86; 7100;occ; 106; 0;42943
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13; 1851.3; 18-MAY-2010 02:31:37; Bright; 48.0; 120; 1Del Oph ; 2.73; 3200;occ; 96; 0;42943
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15; 2378.1; 18-MAY-2010 02:40:24; Bright; 38.0; 83; ; 2.38; 11000;occ; 76; 0;42943
16; 2566.7; 18-MAY-2010 02:43:33; Bright; 35.5; 180; 27Gam Boo ; 3.04; 8000;occ; 71; 0;42943
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3;-1516.9; 18-MAY-2010 03:16:05; Dark ; 45.0; 58; 21Alp And ; 2.07; 11000;occ; 90; 0;42943
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5;-1158.5; 18-MAY-2010 03:22:03; Dark ; 56.5; 90; 54Alp Peg ; 2.49; 11000;occ; 113; 0;42943
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9; 15.1; 18-MAY-2010 03:41:37; Dark ; 45.0; 31; Alp Gru ; 1.73; 15200;occ; 90; 0;42944
10; 346.8; 18-MAY-2010 03:47:09; Dark ; 40.5; 45; Alp Pav ; 1.94; 26000;occ; 81; 0;42944
11; 836.7; 18-MAY-2010 03:55:19; Dark ; 43.5; 147; Alp Ara ; 2.88; 26000;occ; 87; 0;42944
12; 929.8; 18-MAY-2010 03:56:52; Dark ; 49.5; 40; The Sco ; 1.86; 7100;occ; 99; 0;42944
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16; 1511.7; 18-MAY-2010 04:06:33; Bright; 46.0; 97; 8Bet1Sco ; 2.56; 30000;occ; 92; 0;42944
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19; 2039.9; 18-MAY-2010 04:15:22; Bright; 43.5; 102; 24Alp Ser ; 2.60; 4250;occ; 87; 0;42944
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 6; 798.0; 21-MAY-2010 22:27:00; Dark ; 47.5; 141; Bet Ara ; 2.84; 4600;occ; 95; 0;42998
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16; 2561.3; 21-MAY-2010 22:56:23; Bright; 37.5; 180; 27Gam Boo ; 3.04; 8000;occ; 75; 0;42998
17; 3055.8; 21-MAY-2010 23:04:38; Bright; 41.5; 119; 14Eta Dra ; 2.73; 4700;occ; 83; 0;42998

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22; 4790.4; 21-MAY-2010 23:33:32; Dark ; 45.0; 140; 88Gam Peg ; 2.83; 26000;occ; 90; 0;42998
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13; 1843.0; 22-MAY-2010 00:25:01; Bright; 45.0; 120; 1Del Oph ; 2.73; 3200;occ; 90; 0;42999
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15; 2371.3; 22-MAY-2010 00:33:49; Bright; 36.0; 83; ; 2.38; 11000;occ; 72; 0;42999
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 9; 1200.4; 22-MAY-2010 01:54:54; Dark ; 48.0; 75; 26Eps Sco ; 2.29; 4250;occ; 96; 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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17; 3055.2; 22-MAY-2010 02:25:49; Bright; 39.0; 119; 14Eta Dra ; 2.73; 4700;occ; 78; 0;43000
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15; 1843.1; 22-MAY-2010 03:46:13; Bright; 45.0; 120; 1Del Oph ; 2.73; 3200;occ; 90; 0;43001
16; 2028.5; 22-MAY-2010 03:49:18; Bright; 40.5; 102; 24Alp Ser ; 2.60; 4250;occ; 81; 0;43001
17; 2371.5; 22-MAY-2010 03:55:01; Bright; 36.5; 83; ; 2.38; 11000;occ; 73; 0;43001
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19; 3054.8; 22-MAY-2010 04:06:24; Bright; 41.0; 119; 14Eta Dra ; 2.73; 4700;occ; 82; 0;43001
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 3; -1507.0; 22-MAY-2010 04:30:59; Dark ; 47.0; 58; 21Alp And ; 2.07; 11000;occ; 94; 0;43001
 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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 14; 1732.4; 22-MAY-2010 05:24:58; Bright; 38.5; 104; 27Bet Lib ; 2.61; 13100;occ; 77; 0;43002
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 16; 2028.2; 22-MAY-2010 05:29:54; Bright; 41.0; 102; 24Alp Ser ; 2.60; 4250;occ; 82; 0;43002
 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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 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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 13; 1201.5; 22-MAY-2010 06:56:43; Dark ; 50.0; 75; 26Eps Sco ; 2.29; 4250;occ; 100; 0;43003
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 19; 7112.4; 22-MAY-2010 08:35:14; Dark ; 49.0; 25; 35Lam Sco ; 1.62; 28000;occ; 98; 0;43004
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3;	-29.3;	22-MAY-2010	21:41:36;	Dark	; 58.0;	63;	Bet Gru	; 2.15;	2800;occ;	116;	0;43011
4;	58.0;	22-MAY-2010	21:43:03;	Dark	; 49.5;	172;	Gam Gru	; 3.00;	13100;occ;	99;	0;43012
5;	394.6;	22-MAY-2010	21:48:39;	Dark	; 43.5;	45;	Alp Pav	; 1.94;	26000;occ;	87;	0;43012
6;	804.3;	22-MAY-2010	21:55:29;	Dark	; 46.5;	141;	Bet Ara	; 2.84;	4600;occ;	93;	0;43012
7;	969.9;	22-MAY-2010	21:58:15;	Dark	; 49.5;	40;	The Sco	; 1.86;	7100;occ;	99;	0;43012
8;	1081.0;	22-MAY-2010	22:00:06;	Dark	; 51.5;	25;	35Lam Sco	; 1.62;	28000;occ;	103;	0;43012
9;	1205.0;	22-MAY-2010	22:02:10;	Dark	; 47.5;	75;	26Eps Sco	; 2.29;	4250;occ;	95;	0;43012
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13;	1841.6;	22-MAY-2010	22:12:46;	Bright;	44.5;	120;	1Del Oph	; 2.73;	3200;occ;	89;	0;43012
14;	2026.4;	22-MAY-2010	22:15:51;	Bright;	40.0;	102;	24Alp Ser	; 2.60;	4250;occ;	80;	0;43012
15;	2370.8;	22-MAY-2010	22:21:36;	Bright;	36.0;	83;		; 2.38;	11000;occ;	72;	0;43012
16;	2560.3;	22-MAY-2010	22:24:45;	Bright;	37.0;	180;	27Gam Boo	; 3.04;	8000;occ;	74;	0;43012
17;	3050.1;	22-MAY-2010	22:32:55;	Bright;	42.5;	119;	14Eta Dra	; 2.73;	4700;occ;	85;	0;43012
18;	3173.2;	22-MAY-2010	22:34:58;	Bright;	40.0;	60;	7Bet UMi	; 2.08;	3950;occ;	80;	0;43012
19;	3937.1;	22-MAY-2010	22:47:42;	Bright;	48.0;	76;	27Gam Cas	; 2.30;	30000;occ;	96;	0;43012
20;	4009.2;	22-MAY-2010	22:48:54;	Bright;	38.5;	68;	18Alp Cas	; 2.22;	4500;occ;	77;	0;43012
21;	4530.7;	22-MAY-2010	22:57:36;	Dark	; 48.5;	58;	21Alp And	; 2.07;	11000;occ;	97;	0;43012
22;	4795.3;	22-MAY-2010	23:02:00;	Dark	; 46.0;	140;	88Gam Peg	; 2.83;	26000;occ;	92;	0;43012
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2;	-114.9;	22-MAY-2010	23:20:46;	Dark	; 59.5;	0;		; 0.00;	0;occ;	119;	0;43012
3;	-28.0;	22-MAY-2010	23:22:13;	Dark	; 58.0;	63;	Bet Gru	; 2.15;	2800;occ;	116;	0;43012
4;	59.2;	22-MAY-2010	23:23:40;	Dark	; 48.0;	172;	Gam Gru	; 3.00;	13100;occ;	96;	0;43013
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16; 3049.4; 23-MAY-2010 01:54:06; Bright; 40.5; 119; 14Eta Dra ; 2.73; 4700;occ; 81; 0;43014
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21; 4796.1; 23-MAY-2010 02:23:13; Dark ; 47.0; 140; 88Gam Peg ; 2.83; 26000;occ; 94; 0;43014
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27; 6841.7; 23-MAY-2010 02:57:18; Dark ; 45.0; 141; Bet Ara ; 2.84; 4600;occ; 90; 0;43015
28; 7007.0; 23-MAY-2010 03:00:04; Dark ; 49.0; 40; The Sco ; 1.86; 7100;occ; 98; 0;43015
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13; 4009.2; 23-MAY-2010 02:10:06; Bright; 55.0; 68; 18Alp Cas ; 2.22; 4500;occ; 110; 0;43014
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17; 6108.1; 23-MAY-2010 17:50:28; Dark ; 48.5; 172; Gam Gru ; 3.00; 13100;occ; 97; 0;43024
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19; 6846.0; 23-MAY-2010 18:02:46; Dark ; 40.0; 141; Bet Ara ; 2.84; 4600;occ; 80; 0;43024
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11; 3172.2; 23-MAY-2010 18:42:08; Bright; 35.0; 60; 7Bet UMi ; 2.08; 3950;occ; 70; 0;43024
12; 3936.4; 23-MAY-2010 18:54:52; Bright; 54.0; 76; 27Gam Cas ; 2.30; 30000;occ; 108; 0;43024
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14; 4380.7; 23-MAY-2010 19:02:17; Bright; 38.5; 53; 43Bet And ; 2.05; 3300;occ; 77; 0;43024
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16; 4799.9; 23-MAY-2010 19:09:16; Dark ; 45.5; 140; 88Gam Peg ; 2.83; 26000;occ; 91; 0;43024
17; 5778.0; 23-MAY-2010 19:25:34; Dark ; 53.0; 18; 24Alp PsA ; 1.17; 9700;occ; 106; 0;43024
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19; 6439.7; 23-MAY-2010 19:36:36; Dark ; 42.5; 45; Alp Pav ; 1.94; 26000;occ; 85; 0;43025
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 4; 404.7; 23-MAY-2010 21:17:13; Dark ; 43.0; 45; Alp Pav ; 1.94; 26000;occ; 86; 0;43026
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13; 2369.8; 23-MAY-2010 21:49:58; Bright; 41.0; 83; ; 2.38; 11000;occ; 82; 0;43026
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16; 3936.5; 23-MAY-2010 22:16:04; Bright; 37.5; 76; 27Gam Cas ; 2.30; 30000;occ; 75; 0;43026
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19; 4533.1; 23-MAY-2010 22:26:01; Dark ; 51.5; 58; 21Alp And ; 2.07; 11000;occ; 103; 0;43026
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 14; 2370.0; 23-MAY-2010 23:30:34; Bright; 36.0; 83; ; 2.38; 11000;occ; 72; 0;43027
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 16; 3171.9; 23-MAY-2010 23:43:56; Bright; 38.0; 60; 7Bet UMi ; 2.08; 3950;occ; 76; 0;43027
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 5; 811.6; 24-MAY-2010 00:45:11; Dark ; 44.0; 141; Bet Ara ; 2.84; 4600;occ; 88; 0;43028
 6; 978.6; 24-MAY-2010 00:47:58; Dark ; 53.0; 40; The Sco ; 1.86; 7100;occ; 106; 0;43028
 7; 1089.1; 24-MAY-2010 00:49:49; Dark ; 49.5; 25; 35Lam Sco ; 1.62; 28000;occ; 99; 0;43028
 8; 1211.2; 24-MAY-2010 00:51:51; Dark ; 53.5; 75; 26Eps Sco ; 2.29; 4250;occ; 107; 0;43028
 9; 1381.7; 24-MAY-2010 00:54:41; Dark ; 50.0; 16; 21Alp Sco ; 1.02; 3000;occ; 100; 0;43028
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 12; 1839.7; 24-MAY-2010 01:02:19; Bright; 44.5; 120; 1Del Oph ; 2.73; 3200;occ; 89; 0;43028
 13; 2024.2; 24-MAY-2010 01:05:24; Bright; 39.5; 102; 24Alp Ser ; 2.60; 4250;occ; 79; 0;43028
 14; 2369.9; 24-MAY-2010 01:11:09; Bright; 39.5; 83; ; 2.38; 11000;occ; 79; 0;43028
 15; 3043.9; 24-MAY-2010 01:22:23; Bright; 36.5; 119; 14Eta Dra ; 2.73; 4700;occ; 73; 0;43028
 16; 3171.7; 24-MAY-2010 01:24:31; Bright; 36.5; 60; 7Bet UMi ; 2.08; 3950;occ; 73; 0;43028
 17; 3936.5; 24-MAY-2010 01:37:16; Bright; 50.0; 76; 27Gam Cas ; 2.30; 30000;occ; 100; 0;43028
 18; 4008.4; 24-MAY-2010 01:38:28; Bright; 55.0; 68; 18Alp Cas ; 2.22; 4500;occ; 110; 0;43028
 19; 4381.2; 24-MAY-2010 01:44:41; Bright; 38.5; 53; 43Bet And ; 2.05; 3300;occ; 77; 0;43028
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 3; -98.3; 24-MAY-2010 02:10:37; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;43028
 4; 84.8; 24-MAY-2010 02:13:40; Dark ; 45.5; 31; Alp Gru ; 1.73; 15200;occ; 91; 0;43029
 5; 406.7; 24-MAY-2010 02:19:02; Dark ; 42.0; 45; Alp Pav ; 1.94; 26000;occ; 84; 0;43029
 6; 812.0; 24-MAY-2010 02:25:47; Dark ; 43.0; 141; Bet Ara ; 2.84; 4600;occ; 86; 0;43029
 7; 979.2; 24-MAY-2010 02:28:35; Dark ; 49.5; 40; The Sco ; 1.86; 7100;occ; 99; 0;43029
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 9; 1211.3; 24-MAY-2010 02:32:27; Dark ; 50.5; 75; 26Eps Sco ; 2.29; 4250;occ; 101; 0;43029
 10; 1382.2; 24-MAY-2010 02:35:18; Dark ; 59.0; 16; 21Alp Sco ; 1.02; 3000;occ; 118; 0;43029
 11; 1525.7; 24-MAY-2010 02:37:41; Bright; 41.5; 97; 8Bet1Sco ; 2.56; 30000;occ; 83; 0;43029
 12; 1734.4; 24-MAY-2010 02:41:10; Bright; 15.0; 104; 27Bet Lib ; 2.61; 13100;occ; 30; 0;43029
 13; 1839.7; 24-MAY-2010 02:42:55; Bright; 45.0; 120; 1Del Oph ; 2.73; 3200;occ; 90; 0;43029
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 15; 2369.7; 24-MAY-2010 02:51:45; Bright; 39.5; 83; ; 2.38; 11000;occ; 79; 0;43029
 16; 3043.3; 24-MAY-2010 03:02:59; Bright; 37.0; 119; 14Eta Dra ; 2.73; 4700;occ; 74; 0;43029
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 5; -1234.2; 24-MAY-2010 03:32:17; Dark ; 46.5; 140; 88Gam Peg ; 2.83; 26000;occ; 93; 0;43029


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6; 817.2; 24-MAY-2010 22:33:04; Dark ; 42.5; 141; Bet Ara ; 2.84; 4600;occ; 85; 0;43041
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8; 1095.8; 24-MAY-2010 22:37:42; Dark ; 47.5; 25; 35Lam Sco ; 1.62; 28000;occ; 95; 0;43041
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 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
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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
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13; 5785.9; 24-MAY-2010 08:50:29; Dark ; 53.5; 18; 24Alp PsA ; 1.17; 9700;occ; 107; 0;43032
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18; 6850.0; 24-MAY-2010 09:08:13; Dark ; 43.0; 141; Bet Ara ; 2.84; 4600;occ; 86; 0;43033
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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
 21; 7250.3; 24-MAY-2010 15:57:17; Dark ; 48.0; 75; 26Eps Sco ; 2.29; 4250;occ; 96; 0;43037

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 3; 1735.3; 24-MAY-2010 16:05:58; Bright; 38.5; 104; 27Bet Lib ; 2.61; 13100;occ; 77; 0;43037
 4; 1839.1; 24-MAY-2010 16:07:42; Bright; 44.5; 120; 1Del Oph ; 2.73; 3200;occ; 89; 0;43037
 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
 9; 4008.0; 24-MAY-2010 16:43:51; Bright; 55.0; 68; 18Alp Cas ; 2.22; 4500;occ; 110; 0;43037
 10; 4382.4; 24-MAY-2010 16:50:05; Bright; 38.5; 53; 43Bet And ; 2.05; 3300;occ; 77; 0;43037
 11; 4535.0; 24-MAY-2010 16:52:38; Dark ; 49.5; 58; 21Alp And ; 2.07; 11000;occ; 99; 0;43037
 12; 4804.7; 24-MAY-2010 16:57:08; Dark ; 46.5; 140; 88Gam Peg ; 2.83; 26000;occ; 93; 0;43037
 13; 5334.8; 24-MAY-2010 17:05:58; Dark ; 48.0; 52; 16Bet Cet ; 2.04; 4500;occ; 96; 0;43037
 14; 5859.5; 24-MAY-2010 17:14:42; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;43037
 15; 6026.4; 24-MAY-2010 17:17:29; Dark ; 60.0; 63; Bet Gru ; 2.15; 2800;occ; 120; 0;43037
 16; 6128.7; 24-MAY-2010 17:19:12; Dark ; 43.5; 31; Alp Gru ; 1.73; 15200;occ; 87; 0;43038
 17; 6449.0; 24-MAY-2010 17:24:32; Dark ; 42.0; 45; Alp Pav ; 1.94; 26000;occ; 84; 0;43038
 18; 6852.2; 24-MAY-2010 17:31:15; Dark ; 41.5; 141; Bet Ara ; 2.84; 4600;occ; 83; 0;43038
 19; 7019.9; 24-MAY-2010 17:34:03; Dark ; 49.0; 40; The Sco ; 1.86; 7100;occ; 98; 0;43038

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 2; 1094.3; 24-MAY-2010 17:35:53; Dark ; 50.0; 25; 35Lam Sco ; 1.62; 28000;occ; 100; 0;43038
 3; 1214.6; 24-MAY-2010 17:37:53; Dark ; 48.5; 75; 26Eps Sco ; 2.29; 4250;occ; 97; 0;43038
 4; 1384.6; 24-MAY-2010 17:40:43; Dark ; 60.0; 16; 21Alp Sco ; 1.02; 3000;occ; 120; 0;43038
 5; 1527.2; 24-MAY-2010 17:43:06; Bright; 41.0; 97; 8Bet1Sco ; 2.56; 30000;occ; 82; 0;43038
 6; 1735.5; 24-MAY-2010 17:46:34; Bright; 38.5; 104; 27Bet Lib ; 2.61; 13100;occ; 77; 0;43038
 7; 1839.1; 24-MAY-2010 17:48:18; Bright; 43.5; 120; 1Del Oph ; 2.73; 3200;occ; 87; 0;43038
 8; 2022.8; 24-MAY-2010 17:51:22; Bright; 39.5; 102; 24Alp Ser ; 2.60; 4250;occ; 79; 0;43038
 9; 2369.4; 24-MAY-2010 17:57:08; Bright; 40.0; 83; ; 2.38; 11000;occ; 80; 0;43038
 10; 3040.1; 24-MAY-2010 18:08:19; Bright; 40.0; 119; 14Eta Dra ; 2.73; 4700;occ; 80; 0;43038
 11; 3171.1; 24-MAY-2010 18:10:30; Bright; 34.5; 60; 7Bet UMi ; 2.08; 3950;occ; 69; 0;43038
 12; 3935.9; 24-MAY-2010 18:23:15; Bright; 54.0; 76; 27Gam Cas ; 2.30; 30000;occ; 108; 0;43038
 13; 4007.9; 24-MAY-2010 18:24:27; Bright; 53.0; 68; 18Alp Cas ; 2.22; 4500;occ; 106; 0;43038
 14; 4382.5; 24-MAY-2010 18:30:41; Bright; 38.5; 53; 43Bet And ; 2.05; 3300;occ; 77; 0;43038

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16; 4805.2; 24-MAY-2010 18:37:44; Dark ; 46.0; 140; 88Gam Peg ; 2.83; 26000;occ; 92; 0;43038
17; 5335.1; 24-MAY-2010 18:46:34; Dark ; 46.5; 52; 16Bet Cet ; 2.04; 4500;occ; 93; 0;43038
18; 5860.0; 24-MAY-2010 18:55:19; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;43038
19; 6026.8; 24-MAY-2010 18:58:06; Dark ; 46.0; 63; Bet Gru ; 2.15; 2800;occ; 92; 0;43038
20; 6129.1; 24-MAY-2010 18:59:48; Dark ; 48.5; 31; Alp Gru ; 1.73; 15200;occ; 97; 0;43039
21; 6450.0; 24-MAY-2010 19:05:09; Dark ; 41.0; 45; Alp Pav ; 1.94; 26000;occ; 82; 0;43039
22; 6852.5; 24-MAY-2010 19:11:51; Dark ; 47.0; 141; Bet Ara ; 2.84; 4600;occ; 94; 0;43039
23; 7020.6; 24-MAY-2010 19:14:39; Dark ; 46.5; 40; The Sco ; 1.86; 7100;occ; 93; 0;43039
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 2; 1094.9; 24-MAY-2010 19:16:30; Dark ; 53.5; 25; 35Lam Sco ; 1.62; 28000;occ; 107; 0;43039
 3; 1214.8; 24-MAY-2010 19:18:30; Dark ; 49.0; 75; 26Eps Sco ; 2.29; 4250;occ; 98; 0;43039
 4; 1384.8; 24-MAY-2010 19:21:20; Dark ; 54.0; 16; 21Alp Sco ; 1.02; 3000;occ; 108; 0;43039
 5; 1527.1; 24-MAY-2010 19:23:42; Bright; 41.5; 97; 8Bet1Sco ; 2.56; 30000;occ; 83; 0;43039
 6; 1735.6; 24-MAY-2010 19:27:10; Bright; 38.0; 104; 27Bet Lib ; 2.61; 13100;occ; 76; 0;43039
 7; 1838.9; 24-MAY-2010 19:28:54; Bright; 43.5; 120; 1Del Oph ; 2.73; 3200;occ; 87; 0;43039
 8; 2022.6; 24-MAY-2010 19:31:57; Bright; 39.5; 102; 24Alp Ser ; 2.60; 4250;occ; 79; 0;43039
 9; 2369.6; 24-MAY-2010 19:37:44; Bright; 35.5; 83; ; 2.38; 11000;occ; 71; 0;43039
10; 3039.7; 24-MAY-2010 19:48:55; Bright; 40.5; 119; 14Eta Dra ; 2.73; 4700;occ; 81; 0;43039
11; 3171.2; 24-MAY-2010 19:51:06; Bright; 37.5; 60; 7Bet UMi ; 2.08; 3950;occ; 75; 0;43039
12; 3936.0; 24-MAY-2010 20:03:51; Bright; 42.0; 76; 27Gam Cas ; 2.30; 30000;occ; 84; 0;43039
13; 4007.8; 24-MAY-2010 20:05:03; Bright; 35.5; 68; 18Alp Cas ; 2.22; 4500;occ; 71; 0;43039
14; 4382.5; 24-MAY-2010 20:11:17; Bright; 39.0; 53; 43Bet And ; 2.05; 3300;occ; 78; 0;43039
15; 4535.6; 24-MAY-2010 20:13:50; Dark ; 48.0; 58; 21Alp And ; 2.07; 11000;occ; 96; 0;43039
16; 4805.2; 24-MAY-2010 20:18:20; Dark ; 47.0; 140; 88Gam Peg ; 2.83; 26000;occ; 94; 0;43039
17; 5335.5; 24-MAY-2010 20:27:10; Dark ; 48.5; 52; 16Bet Cet ; 2.04; 4500;occ; 97; 0;43039
18; 5860.5; 24-MAY-2010 20:35:55; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;43039
19; 6027.6; 24-MAY-2010 20:38:42; Dark ; 56.5; 63; Bet Gru ; 2.15; 2800;occ; 113; 0;43039
20; 6130.5; 24-MAY-2010 20:40:25; Dark ; 43.5; 31; Alp Gru ; 1.73; 15200;occ; 87; 0;43040
21; 6450.5; 24-MAY-2010 20:45:45; Dark ; 42.5; 45; Alp Pav ; 1.94; 26000;occ; 85; 0;43040
22; 6852.8; 24-MAY-2010 20:52:28; Dark ; 46.0; 141; Bet Ara ; 2.84; 4600;occ; 92; 0;43040
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 3; -6.2; 25-MAY-2010 01:40:32; Dark ; 47.5; 63; Bet Gru ; 2.15; 2800;occ; 95; 0;43042
 4; 96.7; 25-MAY-2010 01:42:15; Dark ; 44.0; 31; Alp Gru ; 1.73; 15200;occ; 88; 0;43043
 5; 416.4; 25-MAY-2010 01:47:35; Dark ; 42.0; 45; Alp Pav ; 1.94; 26000;occ; 84; 0;43043
 6; 818.1; 25-MAY-2010 01:54:16; Dark ; 43.0; 141; Bet Ara ; 2.84; 4600;occ; 86; 0;43043
 7; 986.4; 25-MAY-2010 01:57:05; Dark ; 47.5; 40; The Sco ; 1.86; 7100;occ; 95; 0;43043
 8; 1097.1; 25-MAY-2010 01:58:55; Dark ; 50.5; 25; 35Lam Sco ; 1.62; 28000;occ; 101; 0;43043
 9; 1216.4; 25-MAY-2010 02:00:55; Dark ; 51.0; 75; 26Eps Sco ; 2.29; 4250;occ; 102; 0;43043
10; 1386.0; 25-MAY-2010 02:03:44; Dark ; 56.0; 16; 21Alp Sco ; 1.02; 3000;occ; 112; 0;43043
11; 1527.6; 25-MAY-2010 02:06:06; Bright; 40.5; 97; 8Bet1Sco ; 2.56; 30000;occ; 81; 0;43043
12; 1736.0; 25-MAY-2010 02:09:34; Bright; 36.5; 104; 27Bet Lib ; 2.61; 13100;occ; 73; 0;43043
13; 1838.6; 25-MAY-2010 02:11:17; Bright; 44.5; 120; 1Del Oph ; 2.73; 3200;occ; 89; 0;43043
14; 2021.9; 25-MAY-2010 02:14:20; Bright; 39.0; 102; 24Alp Ser ; 2.60; 4250;occ; 78; 0;43043
15; 2369.1; 25-MAY-2010 02:20:07; Bright; 39.5; 83; ; 2.38; 11000;occ; 79; 0;43043
16; 3038.3; 25-MAY-2010 02:31:17; Bright; 37.5; 119; 14Eta Dra ; 2.73; 4700;occ; 75; 0;43043
17; 3170.6; 25-MAY-2010 02:33:29; Bright; 34.0; 60; 7Bet UMi ; 2.08; 3950;occ; 68; 0;43043
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 2; -2028.3; 25-MAY-2010 02:47:26; Bright; 55.0; 68; 18Alp Cas ; 2.22; 4500;occ; 110; 0;43043
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 5; -1228.8; 25-MAY-2010 03:00:45; Dark ; 48.0; 140; 88Gam Peg ; 2.83; 26000;occ; 96; 0;43043
 6; -698.6; 25-MAY-2010 03:09:36; Dark ; 44.5; 52; 16Bet Cet ; 2.04; 4500;occ; 89; 0;43043
 7; -173.1; 25-MAY-2010 03:18:21; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;43043
 8; -5.1; 25-MAY-2010 03:21:09; Dark ; 52.5; 63; Bet Gru ; 2.15; 2800;occ; 105; 0;43043
 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
12; 987.2; 25-MAY-2010 03:37:41; Dark ; 49.5; 40; The Sco ; 1.86; 7100;occ; 99; 0;43044
13; 1097.4; 25-MAY-2010 03:39:32; Dark ; 48.0; 25; 35Lam Sco ; 1.62; 28000;occ; 96; 0;43044
14; 1216.6; 25-MAY-2010 03:41:31; Dark ; 46.5; 75; 26Eps Sco ; 2.29; 4250;occ; 93; 0;43044
15; 1386.3; 25-MAY-2010 03:44:21; Dark ; 59.0; 16; 21Alp Sco ; 1.02; 3000;occ; 118; 0;43044
16; 1527.8; 25-MAY-2010 03:46:42; Bright; 43.0; 97; 8Bet1Sco ; 2.56; 30000;occ; 86; 0;43044
17; 1736.1; 25-MAY-2010 03:50:10; Bright; 38.0; 104; 27Bet Lib ; 2.61; 13100;occ; 76; 0;43044

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20; 2368.9; 25-MAY-2010 04:00:43; Bright; 38.0; 83; ; 2.38; 11000;occ; 76; 0;43044
21; 3037.8; 25-MAY-2010 04:11:52; Bright; 41.0; 119; 14Eta Dra ; 2.73; 4700;occ; 82; 0;43044
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 5;-1228.8; 25-MAY-2010 04:41:22; Dark ; 47.0; 140; 88Gam Peg ; 2.83; 26000;occ; 94; 0;43044
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 3; 3.4; 25-MAY-2010 21:47:53; Dark ; 51.5; 63; Bet Gru ; 2.15; 2800;occ; 103; 0;43054
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 7; 993.1; 25-MAY-2010 22:04:23; Dark ; 47.0; 40; The Sco ; 1.86; 7100;occ; 94; 0;43055
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13; 1837.7; 25-MAY-2010 22:18:27; Bright; 43.0; 120; 1Del Oph ; 2.73; 3200;occ; 86; 0;43055
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18; 3935.6; 25-MAY-2010 22:53:25; Bright; 54.0; 76; 27Gam Cas ; 2.30; 30000;occ; 108; 0;43055
19; 4007.0; 25-MAY-2010 22:54:37; Bright; 45.0; 68; 18Alp Cas ; 2.22; 4500;occ; 90; 0;43055
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22; 4811.9; 25-MAY-2010 23:08:01; Dark ; 48.0; 140; 88Gam Peg ; 2.83; 26000;occ; 96; 0;43055
23; 5342.9; 25-MAY-2010 23:16:53; Dark ; 34.5; 52; 16Bet Cet ; 2.04; 4500;occ; 69; 0;43055
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13; 1837.7; 25-MAY-2010 23:59:03; Bright; 42.5; 120; 1Del Oph ; 2.73; 3200;occ; 85; 0;43056
14; 2020.3; 26-MAY-2010 00:02:06; Bright; 39.5; 102; 24Alp Ser ; 2.60; 4250;occ; 79; 0;43056
15; 2384.5; 26-MAY-2010 00:08:10; Bright; 38.0; 67; 5Alp CrB ; 2.22; 11000;occ; 76; 0;43056
16; 3033.6; 26-MAY-2010 00:18:59; Bright; 36.5; 119; 14Eta Dra ; 2.73; 4700;occ; 73; 0;43056
17; 3170.0; 26-MAY-2010 00:21:15; Bright; 37.5; 60; 7Bet UMi ; 2.08; 3950;occ; 75; 0;43056
18; 3935.3; 26-MAY-2010 00:34:01; Bright; 54.0; 76; 27Gam Cas ; 2.30; 30000;occ; 108; 0;43056
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20; 4384.6; 26-MAY-2010 00:41:30; Bright; 39.5; 53; 43Bet And ; 2.05; 3300;occ; 79; 0;43056
21; 4538.7; 26-MAY-2010 00:44:04; Dark ; 49.0; 58; 21Alp And ; 2.07; 11000;occ; 98; 0;43056
22; 4811.9; 26-MAY-2010 00:48:37; Dark ; 44.5; 140; 88Gam Peg ; 2.83; 26000;occ; 89; 0;43056
23; 5343.5; 26-MAY-2010 00:57:29; Dark ; 0.5; 52; 16Bet Cet ; 2.04; 4500;occ; 1; 0;43056
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 3; 820.4; 25-MAY-2010 10:17:18; Dark ; 41.5; 141; Bet Ara ; 2.84; 4600;occ; 83; 0;43048
 4; 989.2; 25-MAY-2010 10:20:07; Dark ; 46.5; 40; The Sco ; 1.86; 7100;occ; 93; 0;43048
 5; 1101.2; 25-MAY-2010 10:21:59; Dark ; 46.0; 115; 34Ups Sco ; 2.70; 26000;occ; 92; 0;43048
 6; 1218.3; 25-MAY-2010 10:23:56; Dark ; 47.5; 75; 26Eps Sco ; 2.29; 4250;occ; 95; 0;43048
 7; 1387.0; 25-MAY-2010 10:26:45; Dark ; 57.0; 16; 21Alp Sco ; 1.02; 3000;occ; 114; 0;43048

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3; 2021.6; 25-MAY-2010 10:37:20; Bright; 38.5; 102; 24Alp Ser ; 2.60; 4250;occ; 77; 0;43048
4; 2368.7; 25-MAY-2010 10:43:07; Bright; 39.0; 83; ; 2.38; 11000;occ; 78; 0;43048
5; 3036.6; 25-MAY-2010 10:54:15; Bright; 40.5; 119; 14Eta Dra ; 2.73; 4700;occ; 81; 0;43048
6; 3170.7; 25-MAY-2010 10:56:29; Bright; 38.5; 60; 7Bet UMi ; 2.08; 3950;occ; 77; 0;43048
7; 3935.6; 25-MAY-2010 11:09:14; Bright; 54.0; 76; 27Gam Cas ; 2.30; 30000;occ; 108; 0;43048
8; 4007.4; 25-MAY-2010 11:10:25; Bright; 37.0; 68; 18Alp Cas ; 2.22; 4500;occ; 74; 0;43048
9; 4383.4; 25-MAY-2010 11:16:41; Bright; 39.0; 53; 43Bet And ; 2.05; 3300;occ; 78; 0;43048
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13; 5865.5; 25-MAY-2010 11:41:24; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;43048
14; 6034.6; 25-MAY-2010 11:44:13; Dark ; 59.0; 63; Bet Gru ; 2.15; 2800;occ; 118; 0;43048
15; 6138.3; 25-MAY-2010 11:45:56; Dark ; 46.0; 31; Alp Gru ; 1.73; 15200;occ; 92; 0;43049
16; 6456.6; 25-MAY-2010 11:51:15; Dark ; 41.0; 45; Alp Pav ; 1.94; 26000;occ; 82; 0;43049
17; 6856.5; 25-MAY-2010 11:57:55; Dark ; 42.5; 141; Bet Ara ; 2.84; 4600;occ; 85; 0;43049
18; 7025.5; 25-MAY-2010 12:00:44; Dark ; 50.5; 40; The Sco ; 1.86; 7100;occ; 101; 0;43049
19; 7137.2; 25-MAY-2010 12:02:35; Dark ; 47.5; 115; 34Ups Sco ; 2.70; 26000;occ; 95; 0;43049
20; 7254.4; 25-MAY-2010 12:04:32; Dark ; 56.5; 75; 26Eps Sco ; 2.29; 4250;occ; 113; 0;43049
21; 7423.4; 25-MAY-2010 12:07:21; Dark ; 59.0; 16; 21Alp Sco ; 1.02; 3000;occ; 118; 0;43049
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2; 1838.2; 25-MAY-2010 12:14:52; Bright; 43.0; 120; 1Del Oph ; 2.73; 3200;occ; 86; 0;43049
3; 2021.5; 25-MAY-2010 12:17:55; Bright; 39.0; 102; 24Alp Ser ; 2.60; 4250;occ; 78; 0;43049
4; 2369.0; 25-MAY-2010 12:23:43; Bright; 38.5; 83; ; 2.38; 11000;occ; 77; 0;43049
5; 3036.3; 25-MAY-2010 12:34:50; Bright; 41.0; 119; 14Eta Dra ; 2.73; 4700;occ; 82; 0;43049
6; 3170.4; 25-MAY-2010 12:37:04; Bright; 38.0; 60; 7Bet UMi ; 2.08; 3950;occ; 76; 0;43049
7; 3935.7; 25-MAY-2010 12:49:50; Bright; 35.0; 76; 27Gam Cas ; 2.30; 30000;occ; 70; 0;43049
8; 4007.2; 25-MAY-2010 12:51:01; Bright; 40.0; 68; 18Alp Cas ; 2.22; 4500;occ; 80; 0;43049
9; 4383.6; 25-MAY-2010 12:57:18; Bright; 39.0; 53; 43Bet And ; 2.05; 3300;occ; 78; 0;43049
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13; 5866.1; 25-MAY-2010 13:22:00; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;43049
14; 6035.3; 25-MAY-2010 13:24:49; Dark ; 53.0; 63; Bet Gru ; 2.15; 2800;occ; 106; 0;43049
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16; 6457.6; 25-MAY-2010 13:31:52; Dark ; 41.0; 45; Alp Pav ; 1.94; 26000;occ; 82; 0;43050
17; 6857.1; 25-MAY-2010 13:38:31; Dark ; 43.5; 141; Bet Ara ; 2.84; 4600;occ; 87; 0;43050
18; 7026.0; 25-MAY-2010 13:41:20; Dark ; 51.0; 40; The Sco ; 1.86; 7100;occ; 102; 0;43050
19; 7136.2; 25-MAY-2010 13:43:10; Dark ; 49.5; 25; 35Lam Sco ; 1.62; 28000;occ; 99; 0;43050
20; 7255.1; 25-MAY-2010 13:45:09; Dark ; 49.5; 75; 26Eps Sco ; 2.29; 4250;occ; 99; 0;43050
21; 7423.5; 25-MAY-2010 13:47:57; Dark ; 56.5; 16; 21Alp Sco ; 1.02; 3000;occ; 113; 0;43050
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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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14; 5866.8; 25-MAY-2010 15:02:37; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;43050
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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 4; 1838.0; 25-MAY-2010 15:36:04; Bright; 43.0; 120; 1Del Oph ; 2.73; 3200;occ; 86; 0;43051
 5; 2021.4; 25-MAY-2010 15:39:07; Bright; 39.0; 102; 24Alp Ser ; 2.60; 4250;occ; 78; 0;43051
 6; 2368.9; 25-MAY-2010 15:44:55; Bright; 36.5; 83; ; 2.38; 11000;occ; 73; 0;43051
 7; 3035.6; 25-MAY-2010 15:56:01; Bright; 41.5; 119; 14Eta Dra ; 2.73; 4700;occ; 83; 0;43051
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 9; 3935.8; 25-MAY-2010 16:11:02; Bright; 54.0; 76; 27Gam Cas ; 2.30; 30000;occ; 108; 0;43051
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 14; 5341.2; 25-MAY-2010 16:34:27; Dark ; 47.0; 52; 16Bet Cet ; 2.04; 4500;occ; 94; 0;43051
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 20; 7137.3; 25-MAY-2010 17:04:23; Dark ; 52.0; 25; 35Lam Sco ; 1.62; 28000;occ; 104; 0;43052
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 5; 1388.7; 25-MAY-2010 20:30:22; Dark ; 52.0; 16; 21Alp Sco ; 1.02; 3000;occ; 104; 0;43054
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 8; 1837.8; 25-MAY-2010 20:37:51; Bright; 45.0; 120; 1Del Oph ; 2.73; 3200;occ; 90; 0;43054
 9; 2020.5; 25-MAY-2010 20:40:54; Bright; 39.5; 102; 24Alp Ser ; 2.60; 4250;occ; 79; 0;43054
 10; 2385.0; 25-MAY-2010 20:46:59; Bright; 40.5; 67; 5Alp CrB ; 2.22; 11000;occ; 81; 0;43054
 11; 3034.5; 25-MAY-2010 20:57:48; Bright; 42.0; 119; 14Eta Dra ; 2.73; 4700;occ; 84; 0;43054
 12; 3170.1; 25-MAY-2010 21:00:04; Bright; 38.0; 60; 7Bet UMi ; 2.08; 3950;occ; 76; 0;43054
 13; 3935.7; 25-MAY-2010 21:12:49; Bright; 54.0; 76; 27Gam Cas ; 2.30; 30000;occ; 108; 0;43054
 14; 4006.8; 25-MAY-2010 21:14:00; Bright; 39.0; 68; 18Alp Cas ; 2.22; 4500;occ; 78; 0;43054
 15; 4384.2; 25-MAY-2010 21:20:18; Bright; 39.5; 53; 43Bet And ; 2.05; 3300;occ; 79; 0;43054
 16; 4538.4; 25-MAY-2010 21:22:52; Dark ; 49.0; 58; 21Alp And ; 2.07; 11000;occ; 98; 0;43054
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 3; 1529.3; 25-MAY-2010 17:11:31; Bright; 41.0; 97; 8Bet1Sco ; 2.56; 30000;occ; 82; 0;43052
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 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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 8; 3035.4; 25-MAY-2010 17:36:37; Bright; 40.0; 119; 14Eta Dra ; 2.73; 4700;occ; 80; 0;43052
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 10; 3935.4; 25-MAY-2010 17:51:37; Bright; 54.0; 76; 27Gam Cas ; 2.30; 30000;occ; 108; 0;43052
 11; 4007.4; 25-MAY-2010 17:52:49; Bright; 39.0; 68; 18Alp Cas ; 2.22; 4500;occ; 78; 0;43052
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 13; 4537.9; 25-MAY-2010 18:01:40; Dark ; 48.0; 58; 21Alp And ; 2.07; 11000;occ; 96; 0;43052
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 15; 5342.1; 25-MAY-2010 18:15:04; Dark ; 47.0; 52; 16Bet Cet ; 2.04; 4500;occ; 94; 0;43052
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 17; 6038.0; 25-MAY-2010 18:26:40; Dark ; 46.5; 63; Bet Gru ; 2.15; 2800;occ; 93; 0;43052
 18; 6141.8; 25-MAY-2010 18:28:24; Dark ; 44.0; 31; Alp Gru ; 1.73; 15200;occ; 88; 0;43053
 19; 6459.8; 25-MAY-2010 18:33:42; Dark ; 42.0; 45; Alp Pav ; 1.94; 26000;occ; 84; 0;43053
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 4; 1388.6; 25-MAY-2010 18:49:46; Dark ; 54.0; 16; 21Alp Sco ; 1.02; 3000;occ; 108; 0;43053
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8; 2020.8; 25-MAY-2010 19:00:19; Bright; 39.0; 102; 24Alp Ser ; 2.60; 4250;occ; 78; 0;43053
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16; 1222.4; 26-MAY-2010 04:50:36; Dark ; 47.5; 75; 26Eps Sco ; 2.29; 4250;occ; 95; 0;43059
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14; 6150.3; 26-MAY-2010 11:14:31; Dark ; 50.5; 31; Alp Gru ; 1.73; 15200;occ; 101; 0;43063
15; 6466.5; 26-MAY-2010 11:19:48; Dark ; 42.5; 45; Alp Pav ; 1.94; 26000;occ; 85; 0;43063
16; 6862.5; 26-MAY-2010 11:26:24; Dark ; 40.0; 141; Bet Ara ; 2.84; 4600;occ; 80; 0;43063
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6; 3935.0; 26-MAY-2010 12:18:12; Bright; 37.5; 76; 27Gam Cas ; 2.30; 30000;occ; 75; 0;43063
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8; 4385.7; 26-MAY-2010 12:25:43; Bright; 39.5; 53; 43Bet And ; 2.05; 3300;occ; 79; 0;43063
9; 4540.3; 26-MAY-2010 12:28:17; Dark ; 48.0; 58; 21Alp And ; 2.07; 11000;occ; 96; 0;43063
10; 4815.9; 26-MAY-2010 12:32:53; Dark ; 44.0; 140; 88Gam Peg ; 2.83; 26000;occ; 88; 0;43063

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 16; 6863.6; 26-MAY-2010 13:07:00; Dark ; 42.0; 141; Bet Ara ; 2.84; 4600;occ; 84; 0;43064
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 3; 1837.4; 26-MAY-2010 13:23:50; Bright; 43.5; 120; 1Del Oph ; 2.73; 3200;occ; 87; 0;43064
 4; 2020.5; 26-MAY-2010 13:26:53; Bright; 38.5; 102; 24Alp Ser ; 2.60; 4250;occ; 77; 0;43064
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 7; 3170.3; 26-MAY-2010 13:46:03; Bright; 34.0; 60; 7Bet UMi ; 2.08; 3950;occ; 68; 0;43064
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 9; 4007.3; 26-MAY-2010 14:00:00; Bright; 45.0; 68; 18Alp Cas ; 2.22; 4500;occ; 90; 0;43064
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 12; 4816.3; 26-MAY-2010 14:13:29; Dark ; 45.5; 140; 88Gam Peg ; 2.83; 26000;occ; 91; 0;43064
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 17; 6468.7; 26-MAY-2010 14:41:01; Dark ; 43.0; 45; Alp Pav ; 1.94; 26000;occ; 86; 0;43065
 18; 6864.1; 26-MAY-2010 14:47:37; Dark ; 42.0; 141; Bet Ara ; 2.84; 4600;occ; 84; 0;43065
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 10; 2381.7; 26-MAY-2010 20:15:18; Bright; 40.5; 67; 5Alp CrB ; 2.22; 11000;occ; 81; 0;43068
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 10; 1353.2; 26-MAY-2010 21:38:46; Dark ; 46.5; 136; 23Tau Sco ; 2.82; 30000;occ; 93; 0;43069
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 12; 1738.3; 26-MAY-2010 21:45:11; Bright; 37.0; 104; 27Bet Lib ; 2.61; 13100;occ; 74; 0;43069
 13; 1836.3; 26-MAY-2010 21:46:49; Bright; 42.5; 120; 1Del Oph ; 2.73; 3200;occ; 85; 0;43069
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 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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