

GOMOS Daily Report 23-AUG-2009

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	25AUG2009 04:35:38
Data source version	GOMOS/5.00
Start time of products	23AUG2009 00:12:25
Stop time of products	23AUG2009 23:59:19
Store outputs in DB	Yes
Nb of level 1b prods	92
Nb of prods with errors	1

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

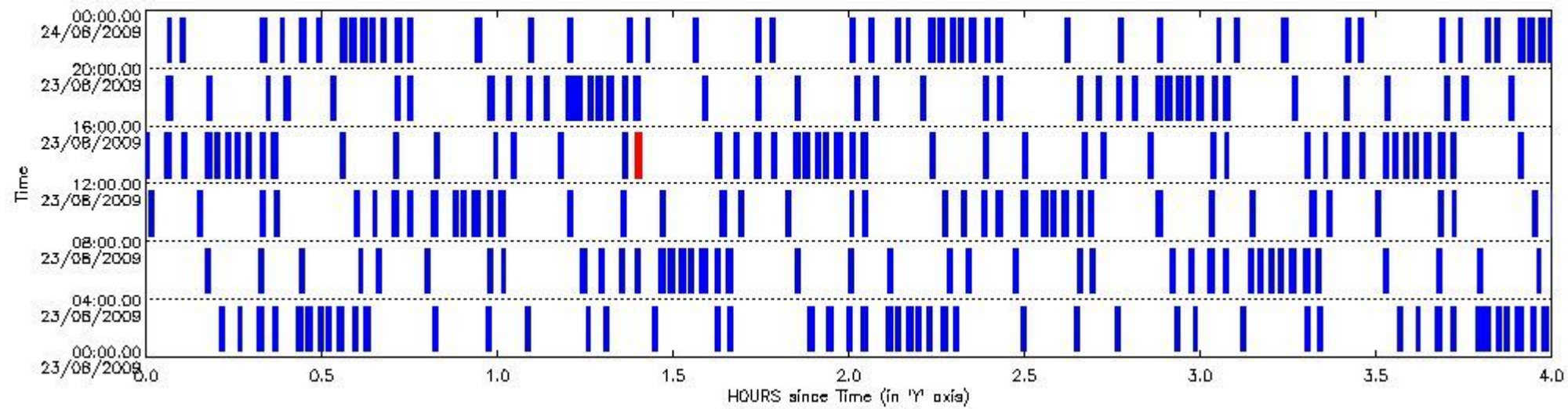
2.1 Level 0 products arrived in PCF (see template [here](#))

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

Red segments are missing products.

Blue segments are available products.

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



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

UTC start time	Star name	Star ID	Orbit
23-AUG-2009 13:23:30	27GamCas	76	39113

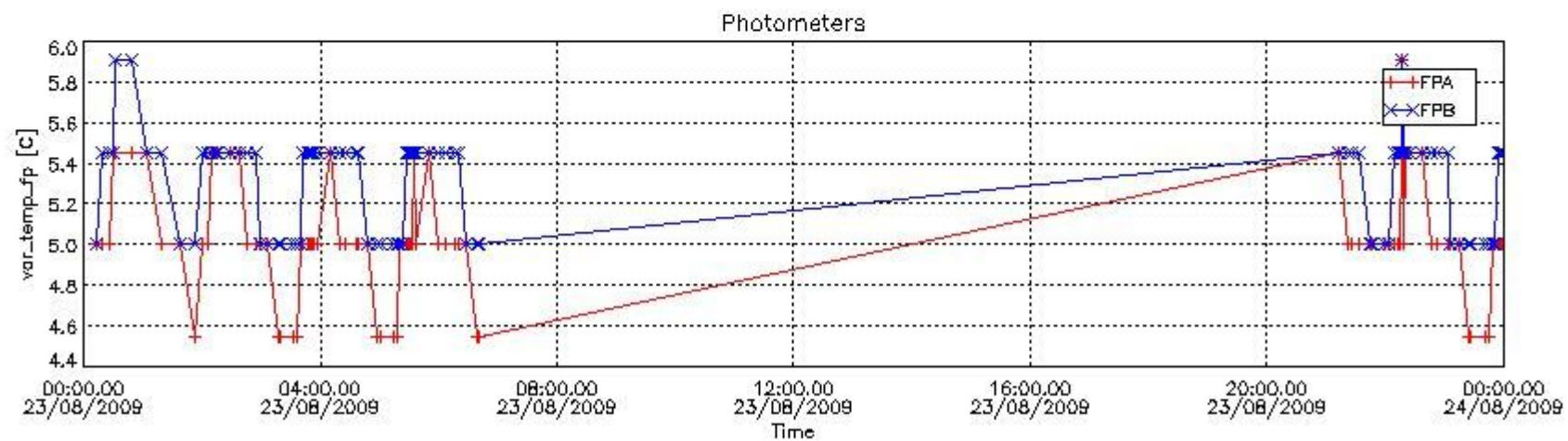
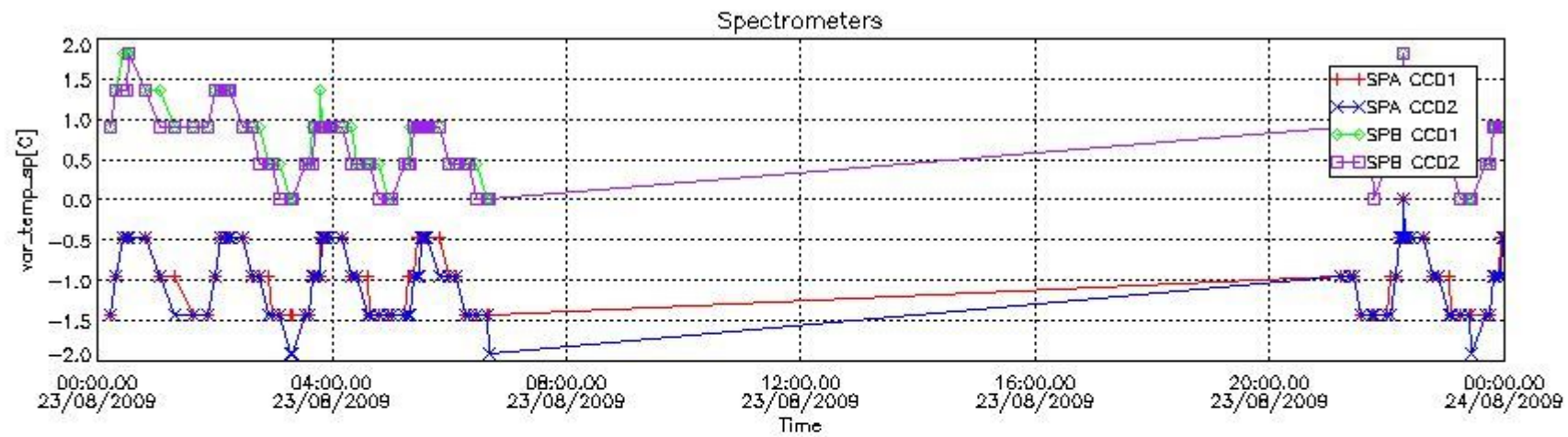
2.4 Summary of processed GOM_TRA_1P products

Nr	Filename	UTC Start time	Limb	Duration	Star Id	Star Name	Star Mag	Star Temp	Nb Meas	Orbit	Prod. error
1	GOM_TRA_1PNPDE20090823_001225_000000532081_00474_39105_2313.N1	23-AUG-2009 00:12:25	Bright	52.500	6	13Alp Aur	0.080000	3400.0	105	39105	No
2	GOM_TRA_1PNPDE20090823_001857_000000572081_00474_39105_2315.N1	23-AUG-2009 00:18:57	Twilight_stray	57.000	28	12Bet Tau	1.6500	15200.	114	39105	No
3	GOM_TRA_1PNPDE20090823_002544_000000592081_00474_39105_2317.N1	23-AUG-2009 00:25:44	Dark	58.500	14	58Alp Ori	0.87000	3000.0	117	39105	No
4	GOM_TRA_1PNPDE20090823_002915_000000562081_00474_39105_2319.N1	23-AUG-2009 00:29:15	Dark	55.500	30	46Eps Ori	1.6940	30000.	111	39105	No
5	GOM_TRA_1PNPDE20090823_003236_000000602081_00474_39105_2321.N1	23-AUG-2009 00:32:36	Dark	59.500	7	19Bet Ori	0.10000	14000.	119	39105	No
6	GOM_TRA_1PNPDE20090823_004848_000000522081_00475_39106_2323.N1	23-AUG-2009 00:48:48	Dark	51.500	157	The1Eri	2.9060	9300.0	103	39106	No
7	GOM_TRA_1PNPDE20090823_010449_000000512081_00475_39106_2325.N1	23-AUG-2009 01:04:49	Straylight	50.500	18	24Alp PsA	1.1660	9700.0	101	39106	No
8	GOM_TRA_1PNPDE20090823_011808_000000492081_00475_39106_2327.N1	23-AUG-2009 01:18:08	Bright	49.000	61	8Eps Peg	2.1000	3900.0	98	39106	No
9	GOM_TRA_1PNPDE20090823_013710_000000442081_00475_39106_2329.N1	23-AUG-2009 01:37:10	Bright	43.500	74	11Bet Cas	2.2680	6600.0	87	39106	No
10	GOM_TRA_1PNPDE20090823_015300_000000542081_00475_39106_2331.N1	23-AUG-2009 01:53:00	Bright	53.500	6	13Alp Aur	0.080000	3400.0	107	39106	No

11	GOM_TRA_1PNPDE20090823_015933_000000552081_00475_39106_2333.N1	23-AUG-2009 01:59:33	Twilight	54.500	28	12Bet Tau	1.6500	15200.	109	39106	No
12	GOM_TRA_1PNPDE20090823_020620_000000592081_00475_39106_2335.N1	23-AUG-2009 02:06:20	Dark	59.000	14	58Alp Ori	0.87000	3000.0	118	39106	No
13	GOM_TRA_1PNPDE20090823_020952_000000542081_00475_39106_2337.N1	23-AUG-2009 02:09:52	Dark	54.000	30	46Eps Ori	1.6940	30000.	108	39106	No
14	GOM_TRA_1PNPDE20090823_021313_000000612081_00475_39106_2339.N1	23-AUG-2009 02:13:13	Dark	60.500	7	19Bet Ori	0.10000	14000.	121	39106	No
15	GOM_TRA_1PNPDE20090823_021550_000000522081_00475_39106_2340.N1	23-AUG-2009 02:15:50	Dark	52.000	139	9Bet Lep	2.8330	5600.0	104	39106	No
16	GOM_TRA_1PNPDE20090823_022925_000000522081_00476_39107_2341.N1	23-AUG-2009 02:29:25	Dark	52.000	157	The1Eri	2.9060	9300.0	104	39107	No
17	GOM_TRA_1PNPDE20090823_023834_000000512081_00476_39107_2342.N1	23-AUG-2009 02:38:34	Straylight	51.000	84	Alp Phe	2.3970	4500.0	102	39107	No
18	GOM_TRA_1PNPDE20090823_024525_000000502081_00476_39107_2343.N1	23-AUG-2009 02:45:25	Straylight	50.000	18	24Alp PsA	1.1660	9700.0	100	39107	No
19	GOM_TRA_1PNPDE20090823_025539_000000432081_00476_39107_2344.N1	23-AUG-2009 02:55:39	Bright	42.500	162	34Alp Aqr	2.9440	5350.0	85	39107	No
20	GOM_TRA_1PNPDE20090823_025844_000000432081_00476_39107_2345.N1	23-AUG-2009 02:58:44	Bright	42.500	61	8Eps Peg	2.1000	3900.0	85	39107	No
21	GOM_TRA_1PNPDE20090823_030655_000000492081_00476_39107_2346.N1	23-AUG-2009 03:06:55	Bright	48.500	164	44Eta Peg	2.9480	5400.0	97	39107	No
22	GOM_TRA_1PNPDE20090823_031745_000000482081_00476_39107_2347.N1	23-AUG-2009 03:17:45	Bright	47.500	74	11Bet Cas	2.2680	6600.0	95	39107	No
23	GOM_TRA_1PNPDE20090823_031959_000000452081_00476_39107_2348.N1	23-AUG-2009 03:19:59	Bright	44.500	76	27Gam Cas	2.3000	30000.	89	39107	No
24	GOM_TRA_1PNPDE20090823_033336_000000522081_00476_39107_2367.N1	23-AUG-2009 03:33:36	Bright	51.500	6	13Alp Aur	0.080000	3400.0	103	39107	No
25	GOM_TRA_1PNPDE20090823_033648_000000432081_00476_39107_2368.N1	23-AUG-2009 03:36:48	Bright	42.500	107	37The Aur	2.6490	11000.	85	39107	No
26	GOM_TRA_1PNPDE20090823_034009_000000572081_00476_39107_2369.N1	23-AUG-2009 03:40:09	Twilight	56.500	28	12Bet Tau	1.6500	15200.	113	39107	No
27	GOM_TRA_1PNPDE20090823_034244_000000492081_00476_39107_2370.N1	23-AUG-2009 03:42:44	Twilight	49.000	176	23Zet Tau	3.0200	22000.	98	39107	No
28	GOM_TRA_1PNPDE20090823_034656_000000652081_00476_39107_2371.N1	23-AUG-2009 03:46:56	Dark	65.000	14	58Alp Ori	0.87000	3000.0	130	39107	No
29	GOM_TRA_1PNPDE20090823_034831_000000582081_00476_39107_2372.N1	23-AUG-2009 03:48:31	Dark	58.000	27	24Gam Ori	1.6360	26000.	116	39107	No
30	GOM_TRA_1PNPDE20090823_035029_000000552081_00476_39107_2373.N1	23-AUG-2009 03:50:29	Dark	54.500	30	46Eps Ori	1.6940	30000.	109	39107	No
31	GOM_TRA_1PNPDE20090823_035158_000000512081_00476_39107_2374.N1	23-AUG-2009 03:51:58	Dark	51.000	125	44Iot Ori	2.7700	30000.	102	39107	No
32	GOM_TRA_1PNPDE20090823_035351_000000702081_00476_39107_2375.N1	23-AUG-2009 03:53:51	Dark	69.500	7	19Bet Ori	0.10000	14000.	139	39107	No
33	GOM_TRA_1PNPDE20090823_035627_000000532081_00476_39107_2376.N1	23-AUG-2009 03:56:27	Dark	52.500	139	9Bet Lep	2.8330	5600.0	105	39107	No
34	GOM_TRA_1PNPDE20090823_041003_000000532081_00477_39108_2377.N1	23-AUG-2009 04:10:03	Dark	53.000	157	The1Eri	2.9060	9300.0	106	39108	No
35	GOM_TRA_1PNPDE20090823_041910_000000512081_00477_39108_2378.N1	23-AUG-2009 04:19:10	Straylight	50.500	84	Alp Phe	2.3970	4500.0	101	39108	No
36	GOM_TRA_1PNPDE20090823_042601_000000502081_00477_39108_2379.N1	23-AUG-2009 04:26:01	Straylight	50.000	18	24Alp PsA	1.1660	9700.0	100	39108	No
37	GOM_TRA_1PNPDE20090823_043615_000000422081_00477_39108_2380.N1	23-AUG-2009 04:36:15	Bright	42.000	162	34Alp Aqr	2.9440	5350.0	84	39108	No
38	GOM_TRA_1PNPDE20090823_043920_000000492081_00477_39108_2381.N1	23-AUG-2009 04:39:20	Bright	49.000	61	8Eps Peg	2.1000	3900.0	98	39108	No
39	GOM_TRA_1PNPDE20090823_044731_000000472081_00477_39108_2382.N1	23-AUG-2009 04:47:31	Bright	47.000	164	44Eta Peg	2.9480	5400.0	94	39108	No
40	GOM_TRA_1PNPDE20090823_045820_000000472081_00477_39108_2383.N1	23-AUG-2009 04:58:20	Bright	46.500	74	11Bet Cas	2.2680	6600.0	93	39108	No
41	GOM_TRA_1PNPDE20090823_050034_000000462081_00477_39108_2384.N1	23-AUG-2009 05:00:34	Bright	45.500	76	27Gam Cas	2.3000	30000.	91	39108	No
42	GOM_TRA_1PNPDE20090823_051412_000000572081_00477_39108_2382.N1	23-AUG-2009 05:14:12	Bright	56.500	6	13Alp Aur	0.080000	3400.0	113	39108	No
43	GOM_TRA_1PNPDE20090823_051725_000000432081_00477_39108_2383.N1	23-AUG-2009 05:17:25	Bright	43.000	107	37The Aur	2.6490	11000.	86	39108	No
44	GOM_TRA_1PNPDE20090823_052045_000000552081_00477_39108_2384.N1	23-AUG-2009 05:20:45	Twilight	54.500	28	12Bet Tau	1.6500	15200.	109	39108	No
45	GOM_TRA_1PNPDE20090823_052321_000000502081_00477_39108_2385.N1	23-AUG-2009 05:23:21	Twilight	50.000	176	23Zet Tau	3.0200	22000.	100	39108	No
46	GOM_TRA_1PNPDE20090823_052733_000000552081_00477_39108_2386.N1	23-AUG-2009 05:27:33	Dark	55.000	14	58Alp Ori	0.87000	3000.0	110	39108	No
47	GOM_TRA_1PNPDE20090823_052908_000000582081_00477_39108_2387.N1	23-AUG-2009 05:29:08	Dark	57.500	27	24Gam Ori	1.6360	26000.	115	39108	No
48	GOM_TRA_1PNPDE20090823_053106_000000552081_00477_39108_2388.N1	23-AUG-2009 05:31:06	Dark	55.000	30	46Eps Ori	1.6940	30000.	110	39108	No
49	GOM_TRA_1PNPDE20090823_053235_000000522081_00477_39108_2389.N1	23-AUG-2009 05:32:35	Dark	52.000	125	44Iot Ori	2.7700	30000.	104	39108	No
50	GOM_TRA_1PNPDE20090823_053428_000000752081_00477_39108_2390.N1	23-AUG-2009 05:34:28	Dark	75.000	7	19Bet Ori	0.10000	14000.	150	39108	No
51	GOM_TRA_1PNPDE20090823_053704_000000502081_00477_39108_2391.N1	23-AUG-2009 05:37:04	Dark	49.500	139	9Bet Lep	2.8330	5600.0	99	39108	No
52	GOM_TRA_1PNPDE20090823_055040_000000512081_00478_39109_2392.N1	23-AUG-2009 05:50:40	Dark	50.500	157	The1Eri	2.9060	9300.0	101	39109	No
53	GOM_TRA_1PNPDE20090823_055947_000000502081_00478_39109_2393.N1	23-AUG-2009 05:59:47	Straylight	50.000	84	Alp Phe	2.3970	4500.0	100	39109	No
54	GOM_TRA_1PNPDE20090823_060638_000000502081_00478_39109_2394.N1	23-AUG-2009 06:06:38	Straylight	50.000	18	24Alp PsA	1.1660	9700.0	100	39109	No
55	GOM_TRA_1PNPDE20090823_061651_000000422081_00478_39109_2395.N1	23-AUG-2009 06:16:51	Bright	42.000	162	34Alp Aqr	2.9440	5350.0	84	39109	No
56	GOM_TRA_1PNPDE20090823_061956_000000592081_00478_39109_2396.N1	23-AUG-2009 06:19:56	Bright	59.000	61	8Eps Peg	2.1000	3900.0	118	39109	No
57	GOM_TRA_1PNPDE20090823_062806_000000502081_00478_39109_2397.N1	23-AUG-2009 06:28:06	Bright	50.000	164	44Eta Peg	2.9480	5400.0	100	39109	No
58	GOM_TRA_1PNPDE20090823_063856_000000462081_00478_39109_2398.N1	23-AUG-2009 06:38:56	Bright	46.000	74	11Bet Cas	2.2680	6600.0	92	39109	No
59	GOM_TRA_1PNPDE20090823_064109_000000472081_00478_39109_2399.N1	23-AUG-2009 06:41:09	Bright	46.500	76	27Gam Cas	2.3000	30000.	93	39109	No
60	GOM_TRA_1PNPDE20090823_211204_000000492081_00487_39118_4290.N1	23-AUG-2009 21:12:04	Straylight	49.000	18	24Alp PsA	1.1660	9700.0	98	39118	No
61	GOM_TRA_1PNPDE20090823_212213_000000422081_00487_39118_4291.N1	23-AUG-2009 21:22:13	Bright	42.000	162	34Alp Aqr	2.9440	5350.0	84	39118	No
62	GOM_TRA_1PNPDE20090823_212518_000000422081_00487_39118_4292.N1	23-AUG-2009 21:25:18	Bright	41.500	61	8Eps Peg	2.1000	3900.0	83	39118	No
63	GOM_TRA_1PNPDE20090823_213322_000000472081_00487_39118_4293.N1	23-AUG-2009 21:33:22	Bright	47.000	164	44Eta Peg	2.9480	5400.0	94	39118	No
64	GOM_TRA_1PNPDE20090823_214412_000000462081_00487_39118_4294.N1	23-AUG-2009 21:44:12	Bright	46.000	74	11Bet Cas	2.2680	6600.0	92	39118	No
65	GOM_TRA_1PNPDE20090823_214626_000000482081_00487_39118_4295.N1	23-AUG-2009 21:46:26	Bright	48.000	76	27Gam Cas	2.3000	30000.	96	39118	No
66	GOM_TRA_1PNPDE20090823_220010_000000572081_00487_39118_4296.N1	23-AUG-2009 22:00:10	Bright	56.500	6	13Alp Aur	0.080000	3400.0	113	39118	No
67	GOM_TRA_1PNPDE20090823_220324_000000452081_00487_39118_4297.N1	23-AUG-2009 22:03:24	Bright	45.000	107	37The Aur	2.6490	11000.	90	39118	No
68	GOM_TRA_1PNPDE20090823_220803_000000482081_00487_39118_4298.N1	23-AUG-2009 22:08:03	Twilight	48.000	151	13Mu Gem	2.8900	3000.0	96	39118	No
69	GOM_TRA_1PNPDE20090823_220942_000000472081_00487_39118_4299.N1	23-AUG-2009 22:09:42	Twilight	47.000	44	24Gam Gem	1.9280	11000.	94	39118	No

70	GOM_TRA_1PNPDE20090823_221338_00000582081_00487_39118_4300.N1	23-AUG-2009 22:13:38	Dark	58.000	14	58Alp Ori	0.87000	3000.0	116	39118	No
71	GOM_TRA_1PNPDE20090823_221515_00000582081_00487_39118_4301.N1	23-AUG-2009 22:15:15	Dark	58.000	27	24Gam Ori	1.6360	26000.	116	39118	No
72	GOM_TRA_1PNPDE20090823_221713_00000532081_00487_39118_4302.N1	23-AUG-2009 22:17:13	Dark	53.000	30	46Eps Ori	1.6940	30000.	106	39118	No
73	GOM_TRA_1PNPDE20090823_221713_00000542081_00487_39118_4236.N1	23-AUG-2009 22:17:13	Dark	53.500	30	46Eps Ori	1.6940	30000.	107	39118	Yes
74	GOM_TRA_1PNPDE20090823_221842_00000522081_00487_39118_4237.N1	23-AUG-2009 22:18:42	Dark	52.000	125	44Iot Ori	2.7700	30000.	104	39118	No
75	GOM_TRA_1PNPDE20090823_222038_00000602081_00487_39118_4238.N1	23-AUG-2009 22:20:38	Dark	60.000	7	19Bet Ori	0.10000	14000.	120	39118	No
76	GOM_TRA_1PNPDE20090823_222312_00000492081_00487_39118_4239.N1	23-AUG-2009 22:23:12	Dark	49.000	139	9Bet Lep	2.8330	5600.0	98	39118	No
77	GOM_TRA_1PNPDE20090823_223651_00000512081_00488_39119_4240.N1	23-AUG-2009 22:36:51	Dark	50.500	157	The1Eri	2.9060	9300.0	101	39119	No
78	GOM_TRA_1PNPDE20090823_224553_00000602081_00488_39119_4241.N1	23-AUG-2009 22:45:53	Straylight	59.500	84	Alp Phe	2.3970	4500.0	119	39119	No
79	GOM_TRA_1PNPDE20090823_225240_00000492081_00488_39119_4242.N1	23-AUG-2009 22:52:40	Straylight	49.000	18	24Alp PsA	1.1660	9700.0	98	39119	No
80	GOM_TRA_1PNPDE20090823_230249_00000422081_00488_39119_4243.N1	23-AUG-2009 23:02:49	Bright	42.000	162	34Alp Aqr	2.9440	5350.0	84	39119	No
81	GOM_TRA_1PNPDE20090823_230553_00000422081_00488_39119_4244.N1	23-AUG-2009 23:05:53	Bright	41.500	61	8Eps Peg	2.1000	3900.0	83	39119	No
82	GOM_TRA_1PNPDE20090823_231357_00000652081_00488_39119_4245.N1	23-AUG-2009 23:13:57	Bright	65.000	164	44Eta Peg	2.9480	5400.0	130	39119	No
83	GOM_TRA_1PNPDE20090823_232447_00000462081_00488_39119_4246.N1	23-AUG-2009 23:24:47	Bright	46.000	74	11Bet Cas	2.2680	6600.0	92	39119	No
84	GOM_TRA_1PNPDE20090823_232701_00000472081_00488_39119_4247.N1	23-AUG-2009 23:27:01	Bright	47.000	76	27Gam Cas	2.3000	30000.	94	39119	No
85	GOM_TRA_1PNPDE20090823_234046_00000532081_00488_39119_4248.N1	23-AUG-2009 23:40:46	Bright	52.500	6	13Alp Aur	0.080000	3400.0	105	39119	No
86	GOM_TRA_1PNPDE20090823_234400_00000462081_00488_39119_4249.N1	23-AUG-2009 23:44:00	Bright	45.500	107	37The Aur	2.6490	11000.	91	39119	No
87	GOM_TRA_1PNPDE20090823_234839_00000562081_00488_39119_4250.N1	23-AUG-2009 23:48:39	Twilight_stray	55.500	151	13Mu Gem	2.8900	3000.0	111	39119	No
88	GOM_TRA_1PNPDE20090823_235018_00000452081_00488_39119_4251.N1	23-AUG-2009 23:50:18	Twilight_stray	45.000	44	24Gam Gem	1.9280	11000.	90	39119	No
89	GOM_TRA_1PNPDE20090823_235414_00000632081_00488_39119_4252.N1	23-AUG-2009 23:54:14	Dark	63.000	14	58Alp Ori	0.87000	3000.0	126	39119	No
90	GOM_TRA_1PNPDE20090823_235552_00000592081_00488_39119_4253.N1	23-AUG-2009 23:55:52	Dark	59.000	27	24Gam Ori	1.6360	26000.	118	39119	No
91	GOM_TRA_1PNPDE20090823_235749_00000562081_00488_39119_4254.N1	23-AUG-2009 23:57:49	Dark	55.500	30	46Eps Ori	1.6940	30000.	111	39119	No
92	GOM_TRA_1PNPDE20090823_235919_00000512081_00488_39119_4255.N1	23-AUG-2009 23:59:19	Dark	50.500	125	44Iot Ori	2.7700	30000.	101	39119	No

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



4. Overview of dark signal processing per product

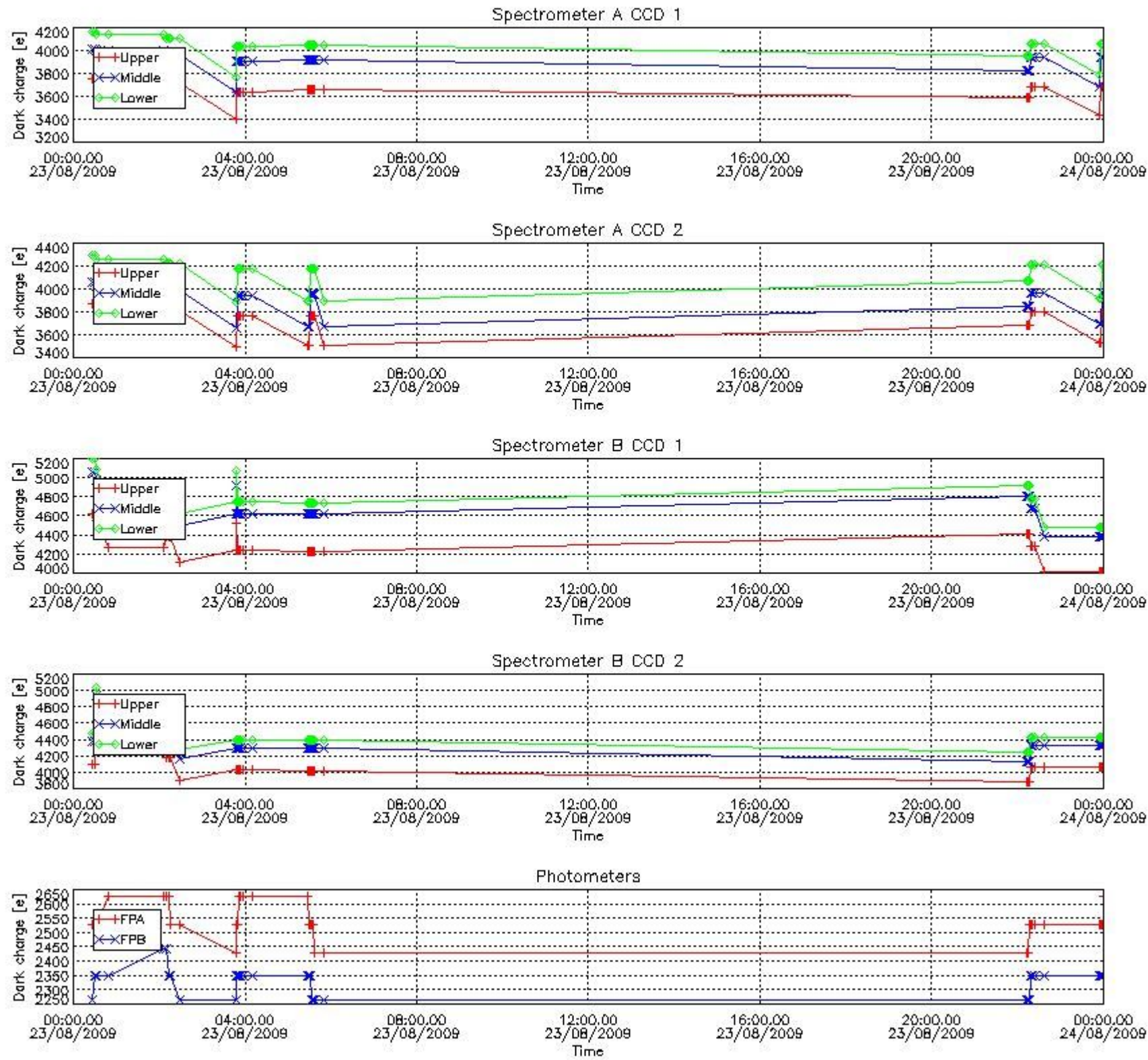
The Dark Charge (DC) is a temperature-dependant signal added to the useful measurements and it is therefore subtracted from them during the processing. There are two phenomena that produce a continuous increase of the DC: the "hot pixels" (a pixel is "hot" when its DC exceeds by a significant amount 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_1PNPDE20090823_211204_000000492081_00487_39118_4290.N1	DC map used
GOM_TRA_1PNPDE20090823_212213_000000422081_00487_39118_4291.N1	DC map used
GOM_TRA_1PNPDE20090823_212518_000000422081_00487_39118_4292.N1	DC map used
GOM_TRA_1PNPDE20090823_213322_000000472081_00487_39118_4293.N1	DC map used
GOM_TRA_1PNPDE20090823_214412_000000462081_00487_39118_4294.N1	DC map used
GOM_TRA_1PNPDE20090823_214626_000000482081_00487_39118_4295.N1	DC map used
GOM_TRA_1PNPDE20090823_220010_000000572081_00487_39118_4296.N1	DC map used
GOM_TRA_1PNPDE20090823_220324_000000452081_00487_39118_4297.N1	DC map used
GOM_TRA_1PNPDE20090823_220803_000000482081_00487_39118_4298.N1	DC map used
GOM_TRA_1PNPDE20090823_220942_000000472081_00487_39118_4299.N1	DC map used
GOM_TRA_1PNPDE20090823_221338_000000582081_00487_39118_4300.N1	DC map used
GOM_TRA_1PNPDE20090823_221515_000000582081_00487_39118_4301.N1	DC map used
GOM_TRA_1PNPDE20090823_221713_000000532081_00487_39118_4302.N1	DC map used

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



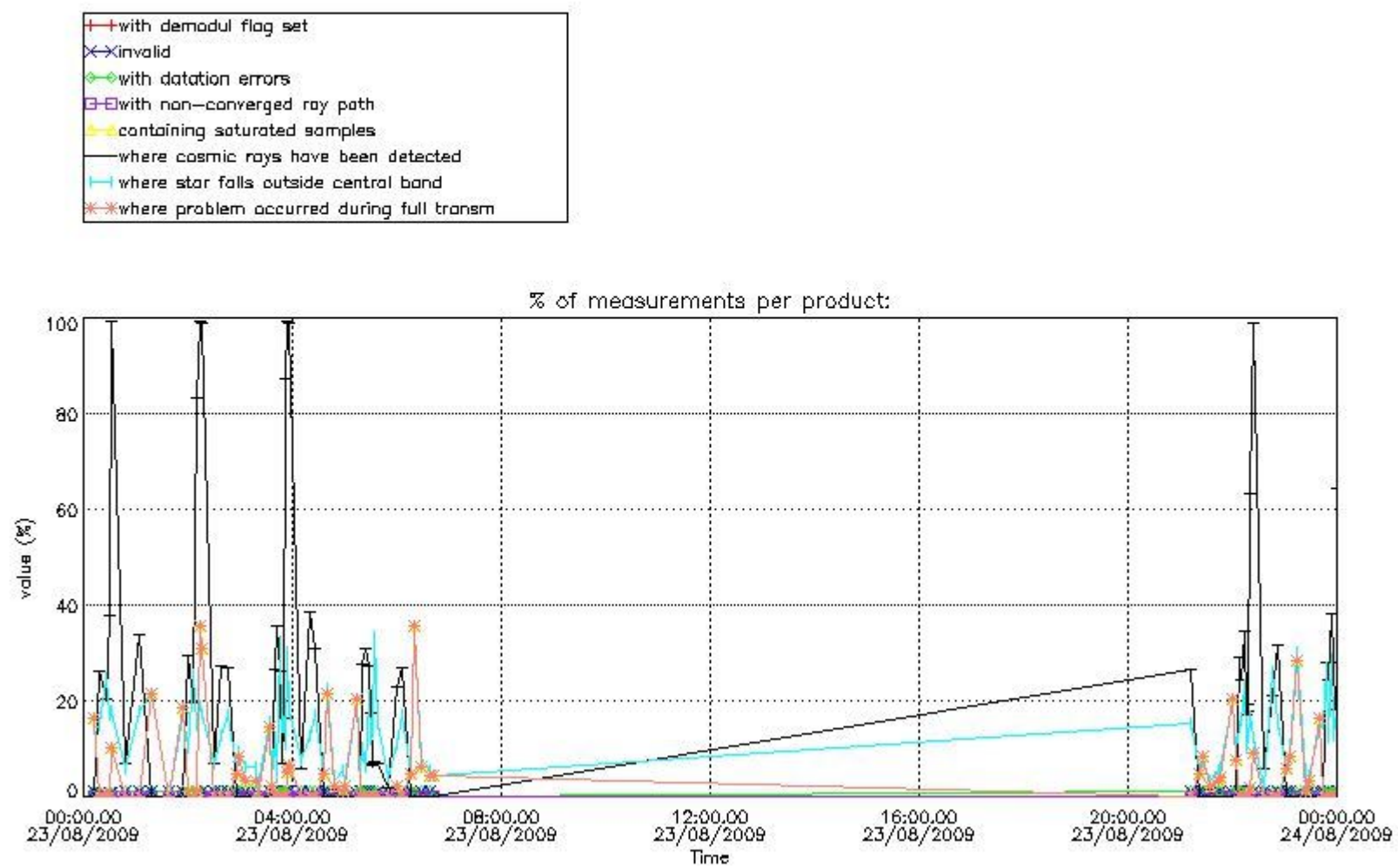
5. Demodulation flag and quality information monitoring

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.

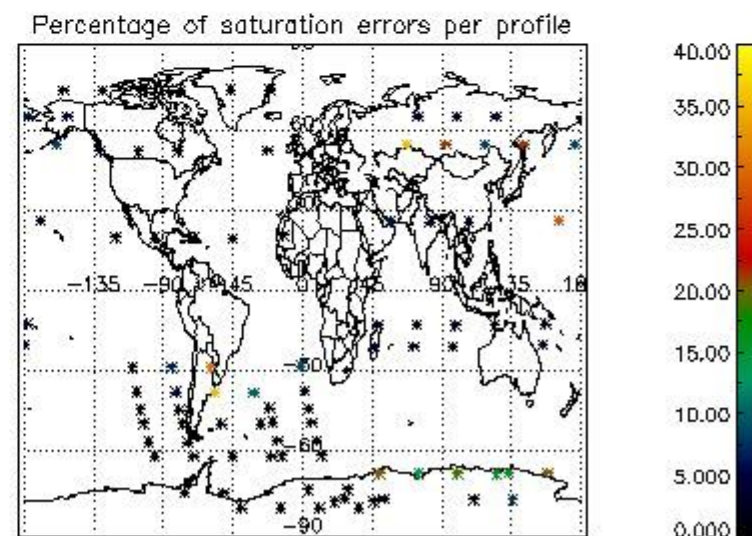
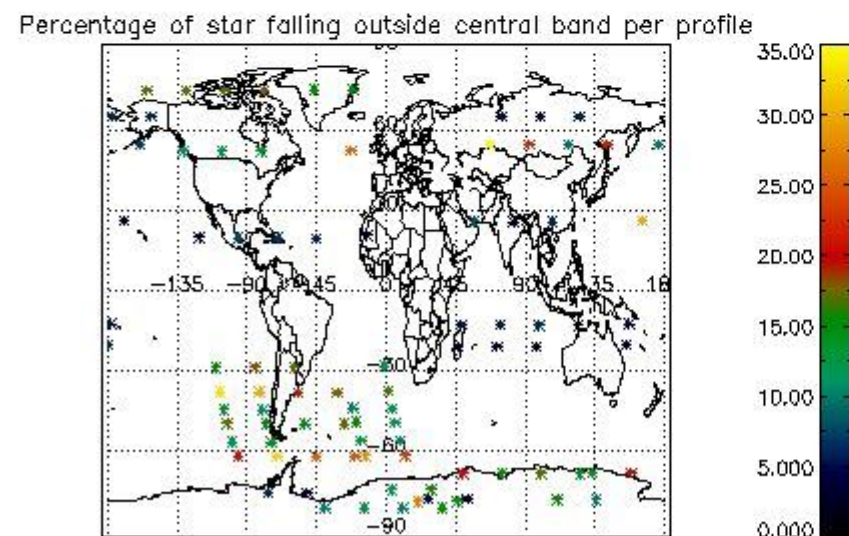
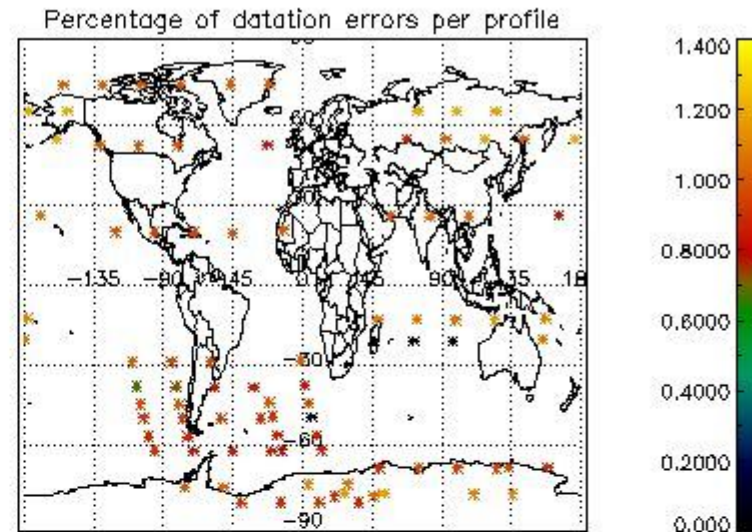
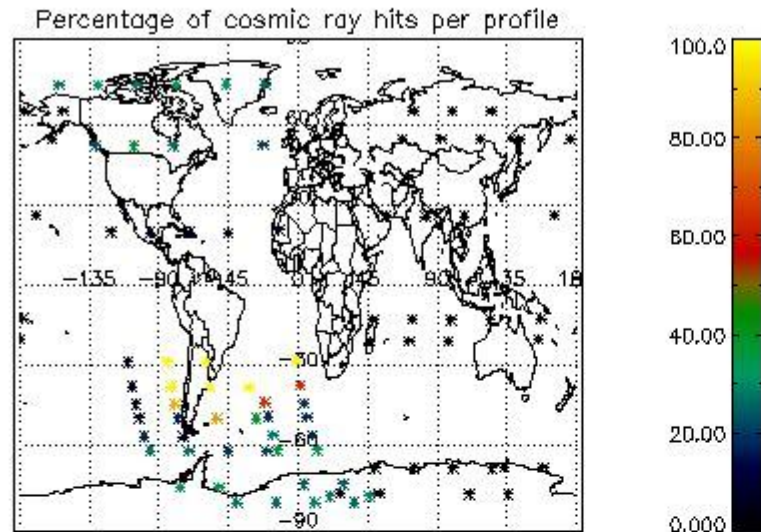
5.1 Percentage of products during reporting period with:

At least one measurement with demodulation flag set:	31.8681 %
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)



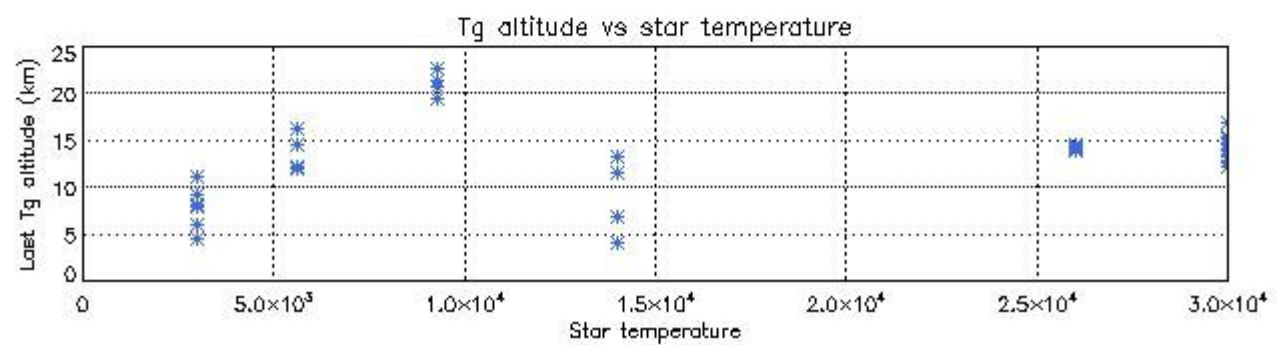
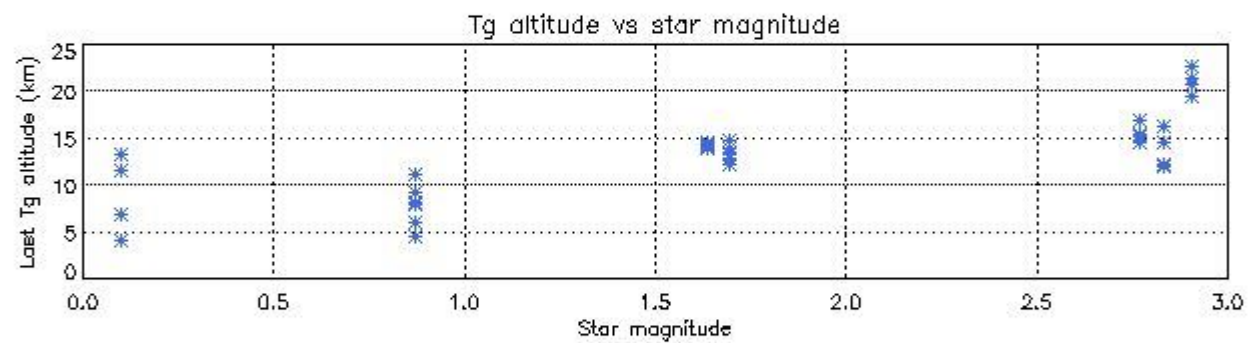
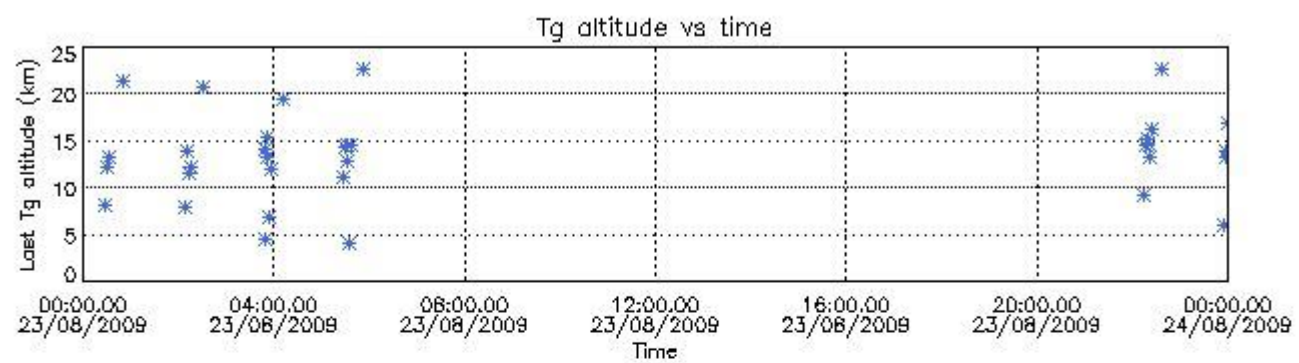
6. Statistics and plot of tangent altitude of the last measurement (DARK & BRIGHT products without errors)

6.1 Statistics on tangent altitude lost:

Statistics	DARK	BRIGHT	TWILIGHT
Mean:	13.425	18.252	NaN
St. deviation:	4.6540	5.3900	NaN
Maximum:	22.749	26.291	NaN
Minimum:	4.1196	3.5070	NaN
Number of data:	34.000	37.000	NaN

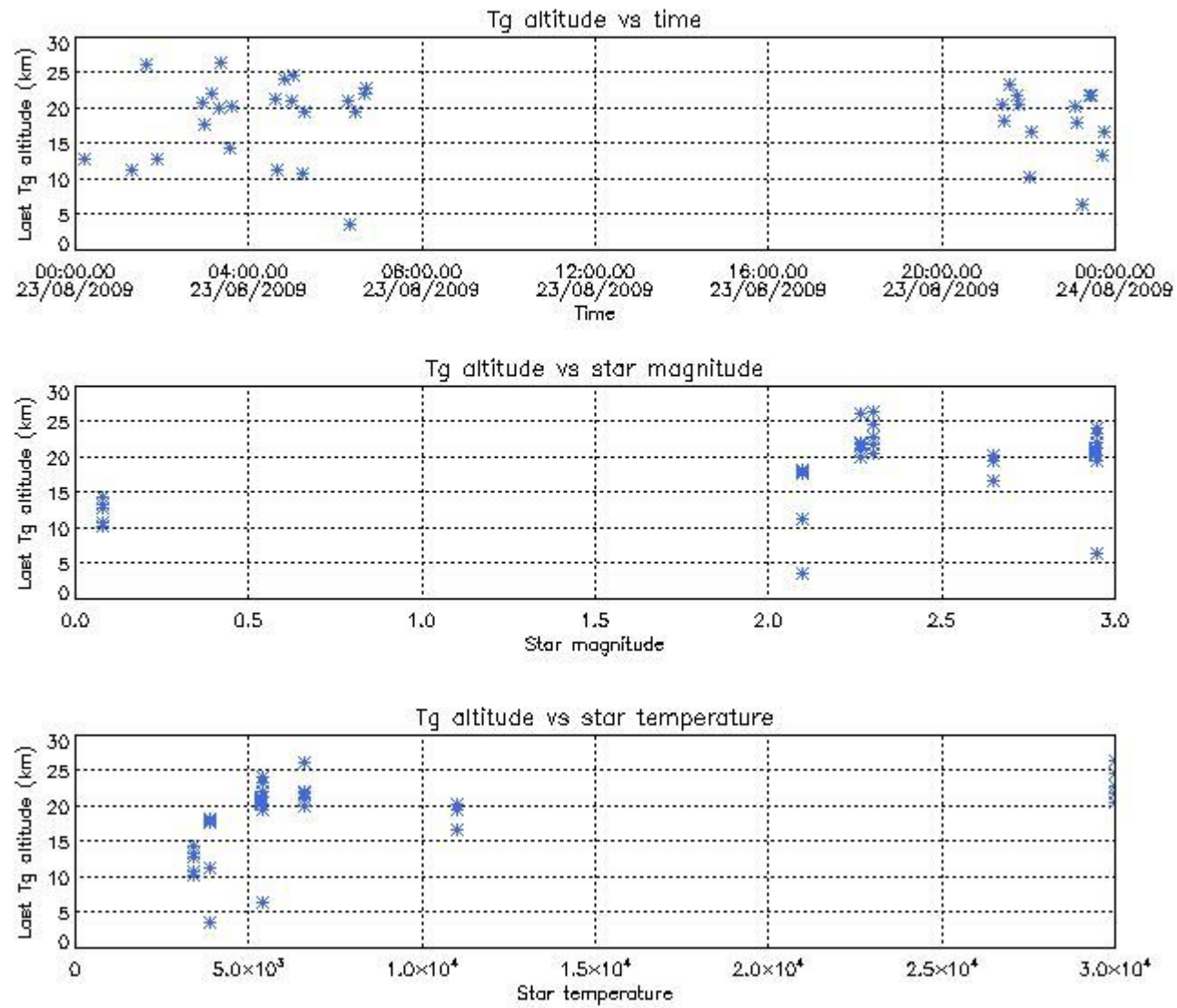
6.2 Plot for DARK limb products

Tangent altitude at which the star is lost



6.3 Plot for BRIGHT limb products

Tangent altitude at which the star is lost

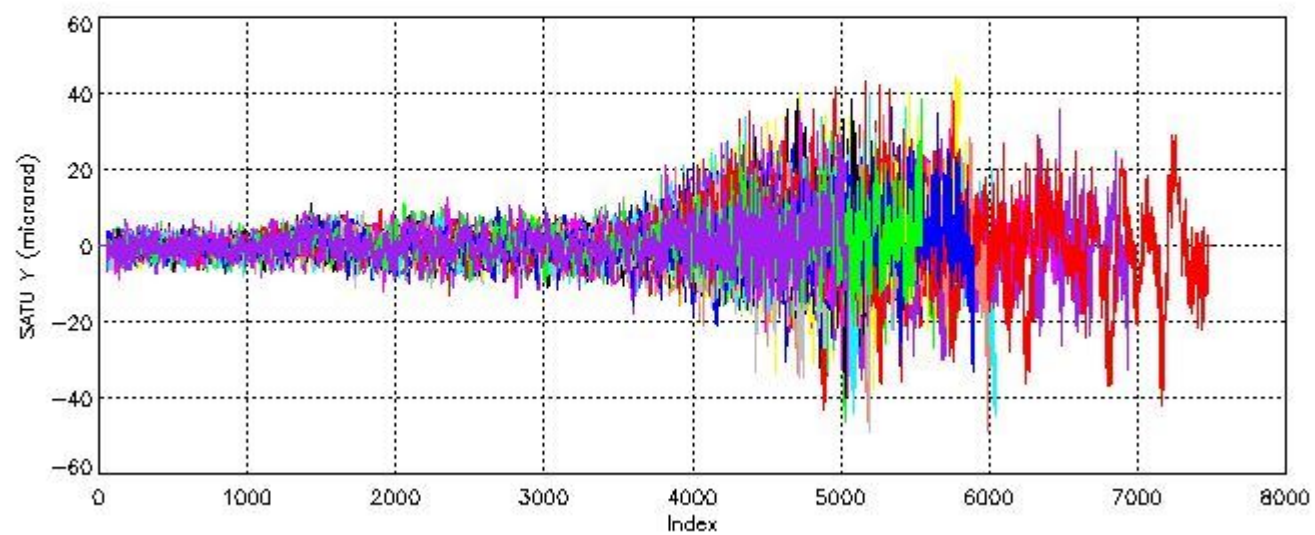
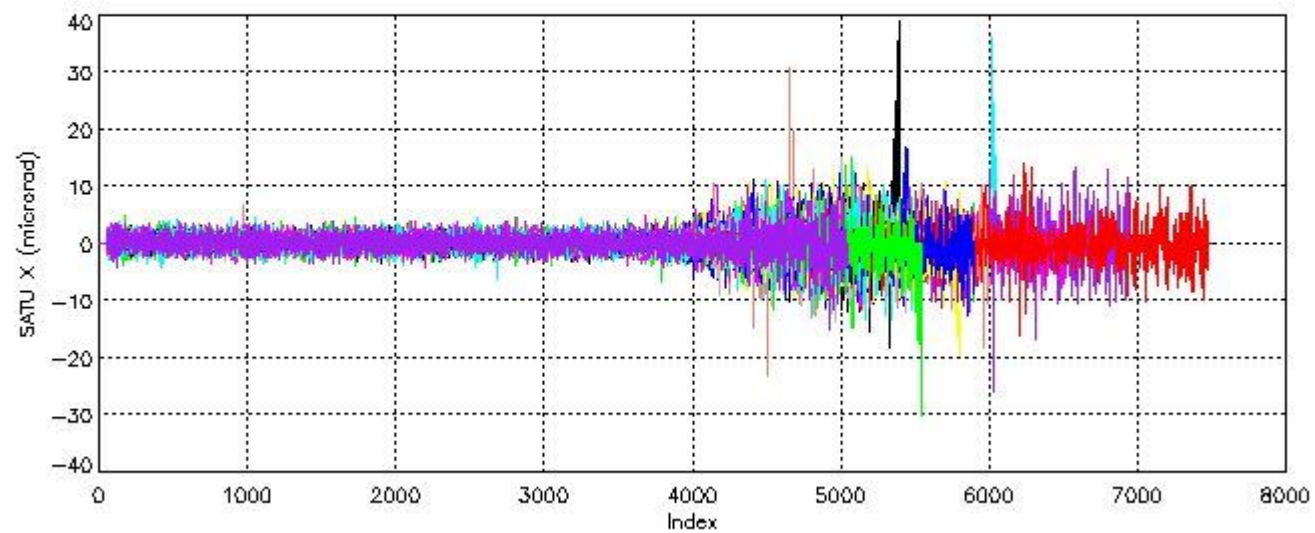


7. Star Acquisition and Tracking Unit (SATU)

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:	0.25708	-0.51378	0.25398	-0.40418
St. deviation:	0.56379	1.6054	0.69108	1.7313
Maximum:	6.6000	6.9000	3.8000	8.0000
Minimum:	-4.1000	-9.0000	-4.4000	-7.2000

Number of data:	40400.	40400.	39000.	39000.
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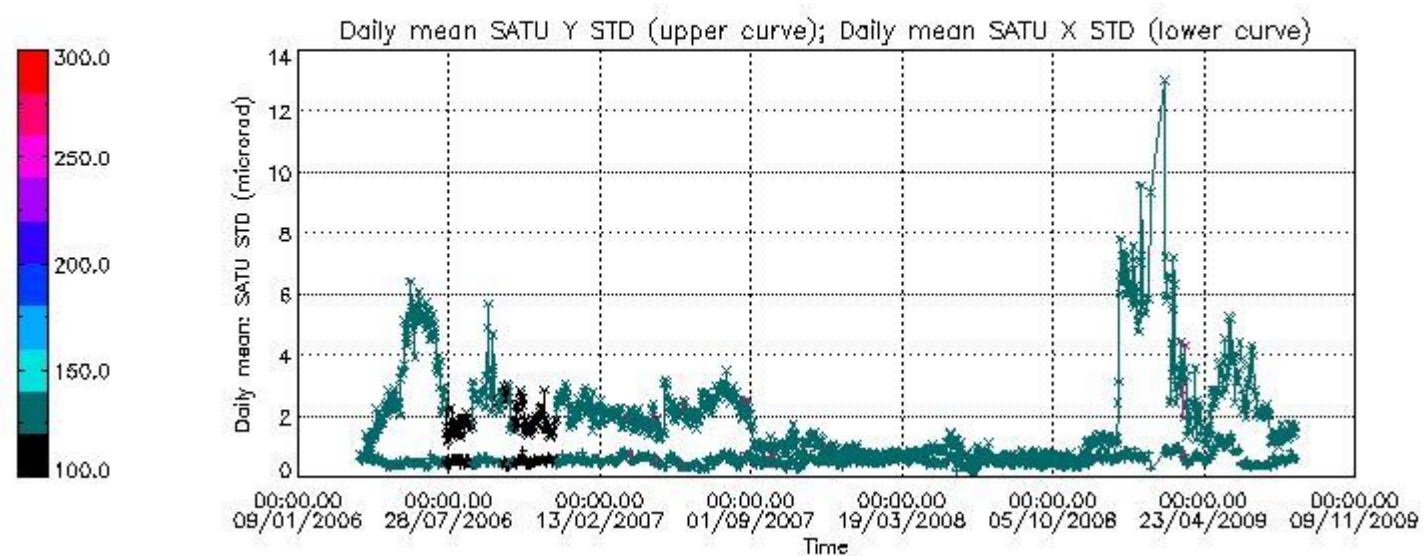
7.2.2 Trend of daily SATU NEA St. deviation since 1st April 2006 (dark limb)

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

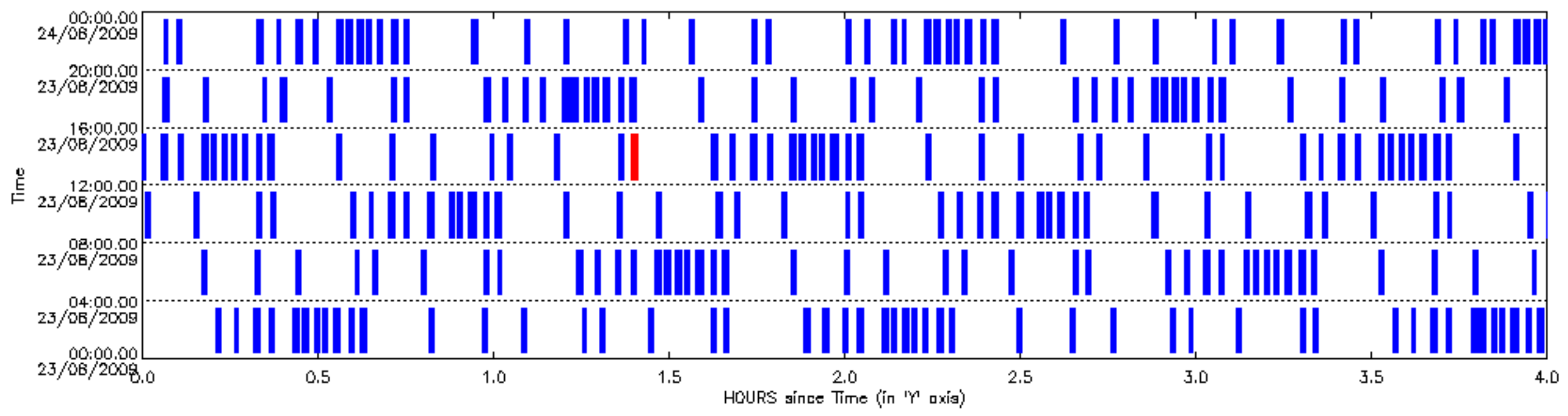
Lower curve: STD of SATU X axis

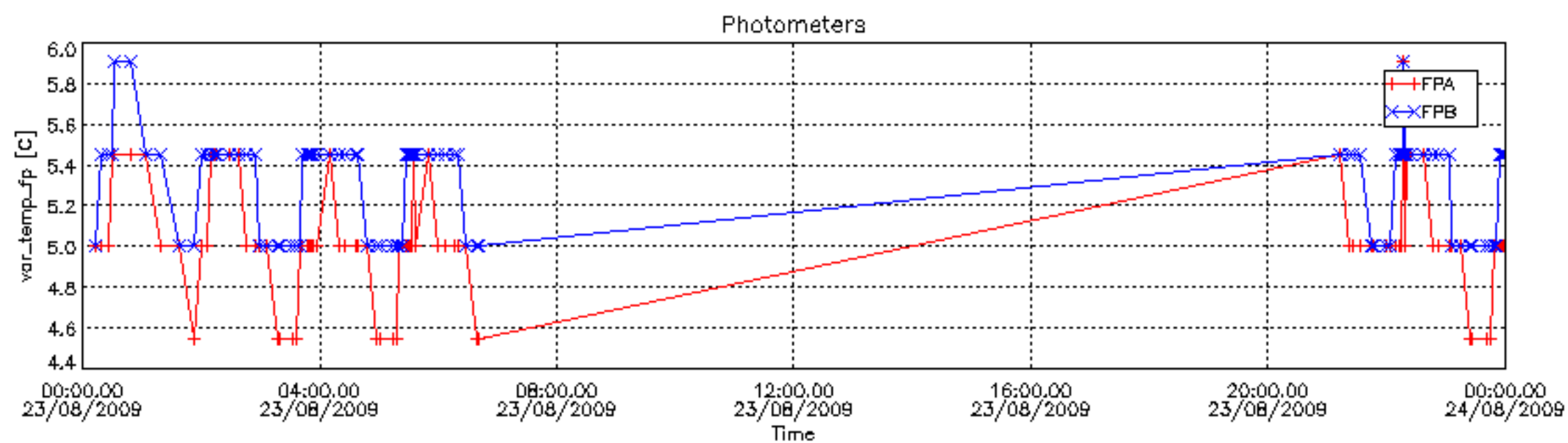
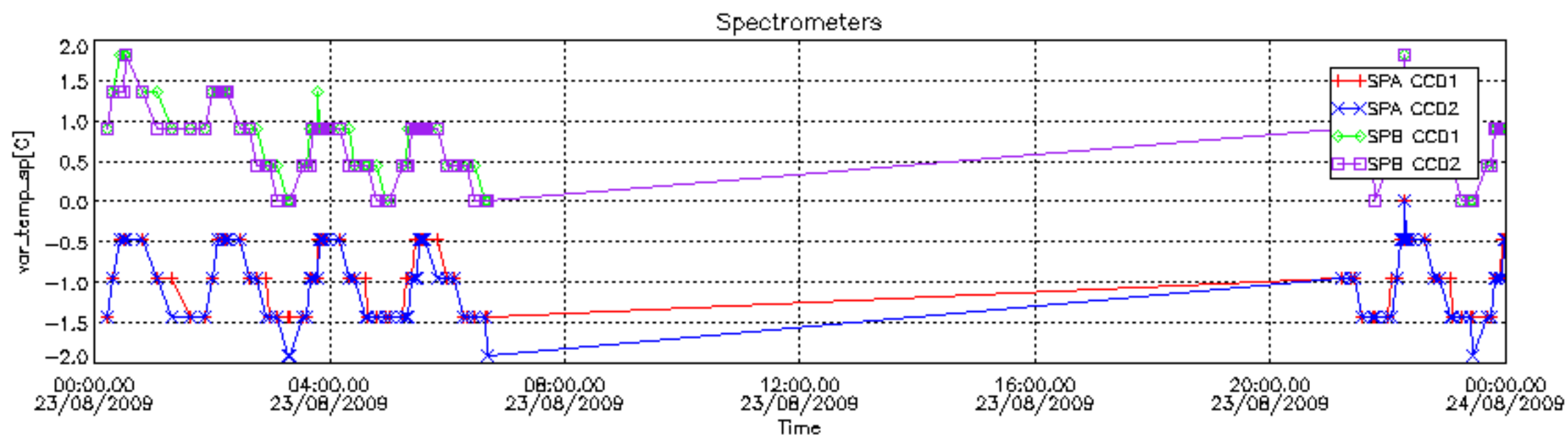


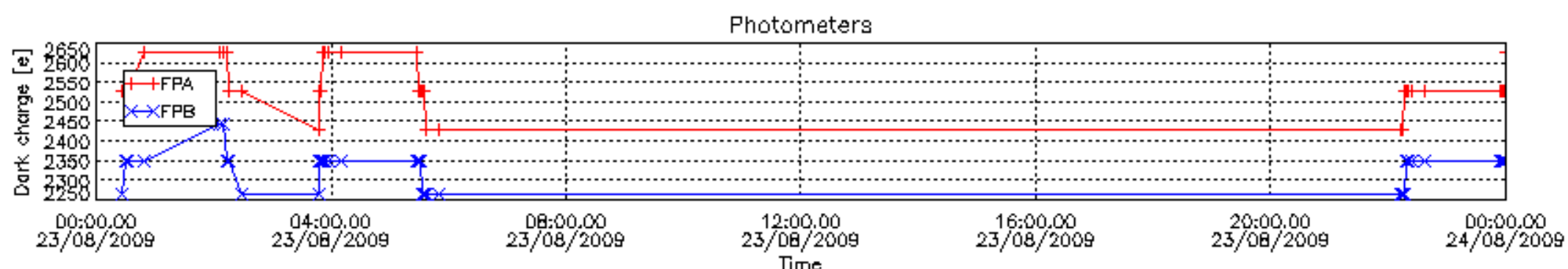
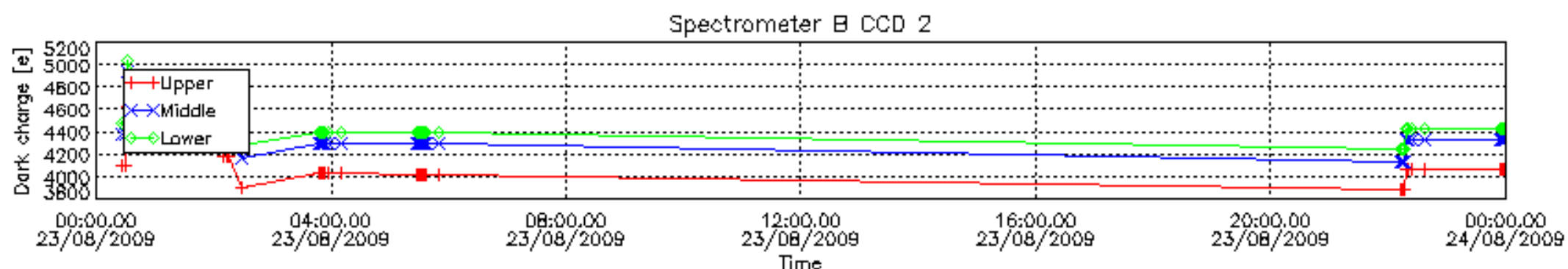
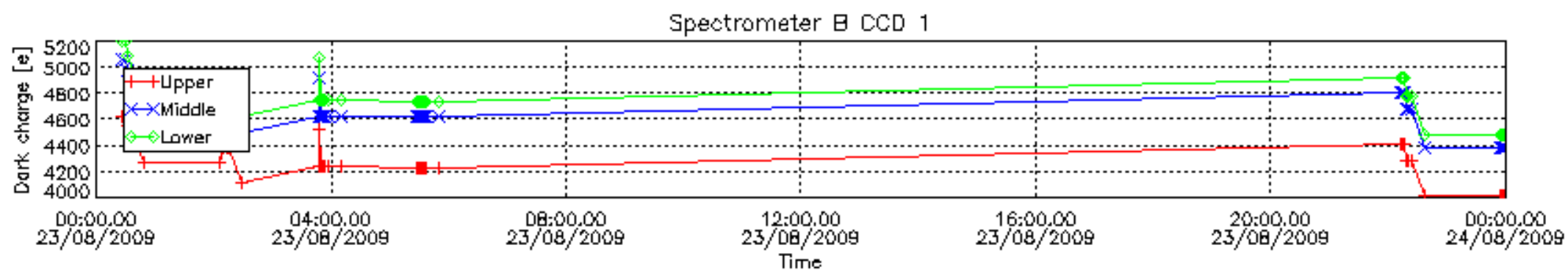
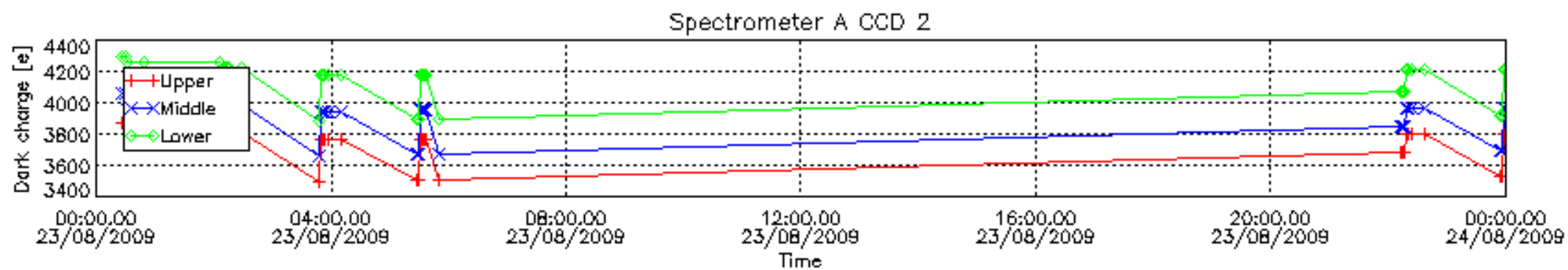
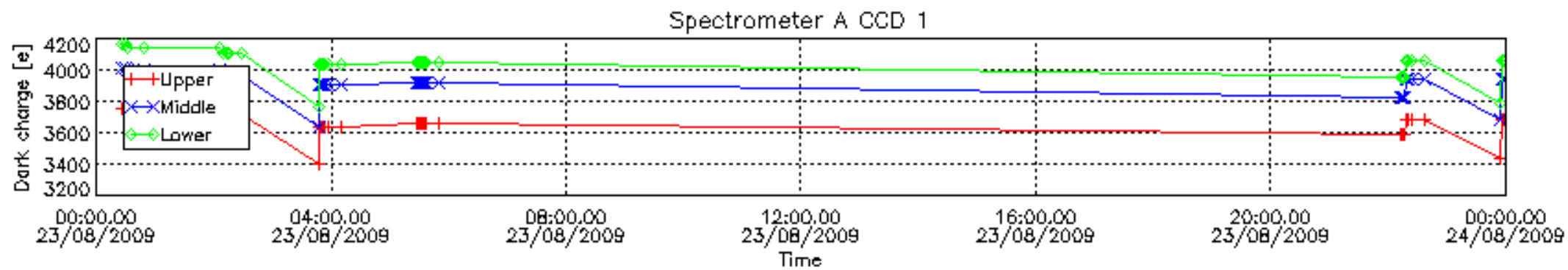
8. Auxiliary Data Files used for the production reported in section 2.4

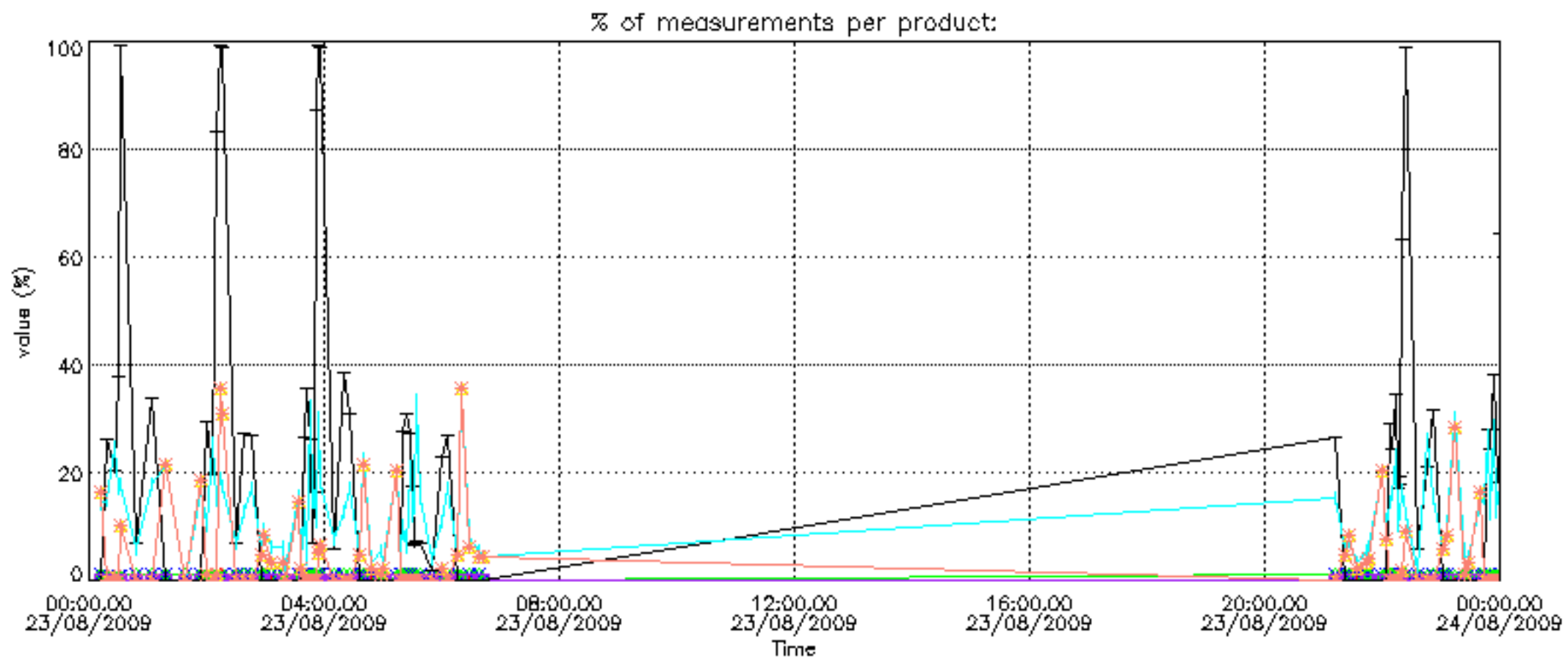
The number reported in the third column indicates since which file (see list in section 2.4) the corresponding auxiliary file has been used. The fourth column is the date of those product files.

Type	Auxiliary Filename	Used since product	Used since product date
INST_PHYS_CHARACTERISTICS	GOM_INS_AXNIEC20050627_150713_20030716_120000_20100101_000000	1	23-AUG-2009 00:12:25
CALIBRATION_DATABASE	GOM_CAL_AXVIEC20090818_144743_20090816_000000_20100101_000000	1	23-AUG-2009 00:12:25
LEVEL-1B_PROC_CONFIG	GOM_PR1_AXNIEC20050627_151042_20020301_000000_20100101_000000	1	23-AUG-2009 00:12:25
STAR_CATALOGUE	GOM_CAT_AXVIEC20020121_161009_20020101_000000_20200101_000000	1	23-AUG-2009 00:12:25
STELLAR_SPECTRA_DATABANK	GOM_STS_AXNIEC20040308_103538_20020101_160000_20100101_000000	1	23-AUG-2009 00:12:25
ECMWF_FILE	AUX_ECF_AXNECM20090822_062112_20090822_210000_20090823_090000	1	23-AUG-2009 00:12:25
ECMWF_FILE	AUX_ECF_AXNECM20090822_184111_20090823_030000_20090823_150000	24	23-AUG-2009 03:33:36
ECMWF_FILE	AUX_ECF_AXNECM20090823_064111_20090823_210000_20090824_090000	60	23-AUG-2009 21:12:04
OPTIONAL_ECMWF_FILE	MISSING	1	23-AUG-2009 00:12:25
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20090822_210252_000060572081_00472_39103_8609.N1	1	23-AUG-2009 00:12:25
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20090822_224907_000057382081_00473_39104_8610.N1	5	23-AUG-2009 00:32:36
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20090823_020543_000044632081_00475_39106_8612.N1	13	23-AUG-2009 02:09:52
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20090823_032524_000054192081_00476_39107_8613.N1	24	23-AUG-2009 03:33:36
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20090823_050103_000057382081_00477_39108_8614.N1	42	23-AUG-2009 05:14:12
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20090823_210802_000038252081_00487_39118_8615.N1	60	23-AUG-2009 21:12:04
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20090823_221707_000057382081_00487_39118_8616.N1	73	23-AUG-2009 22:17:13

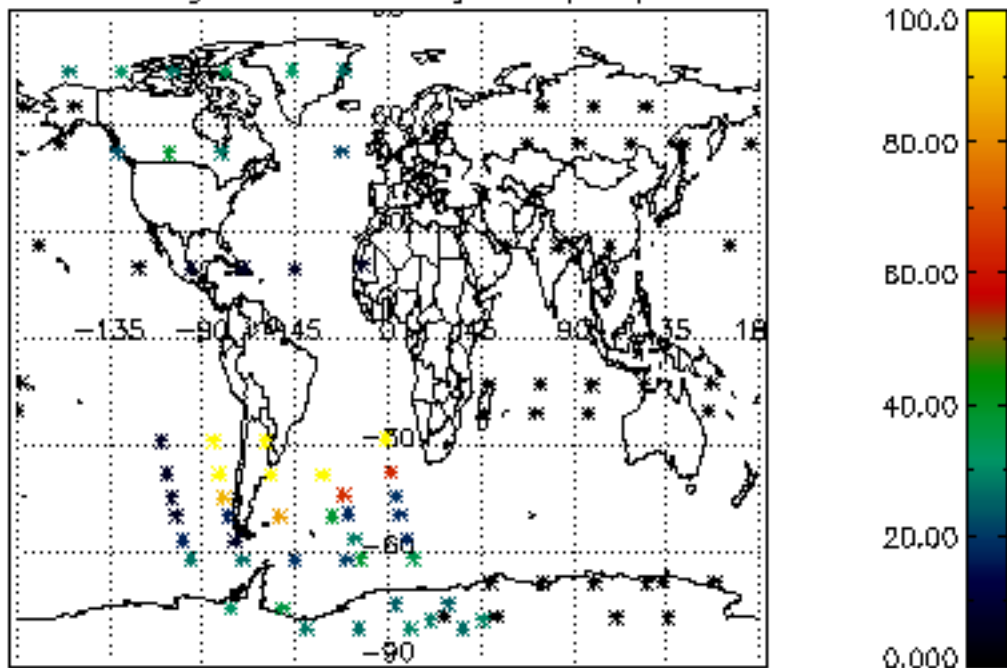




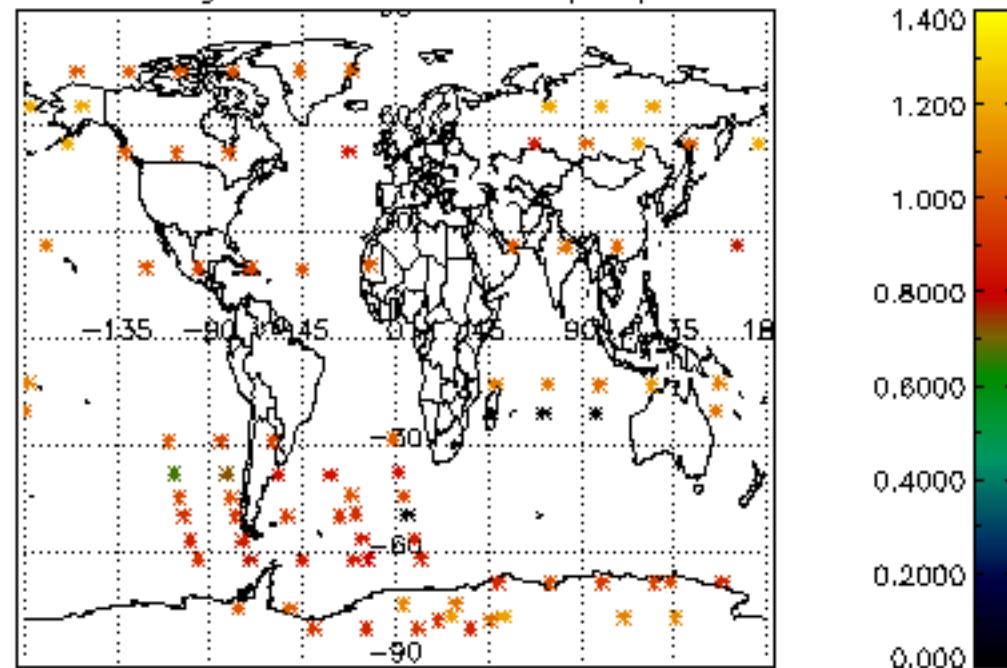




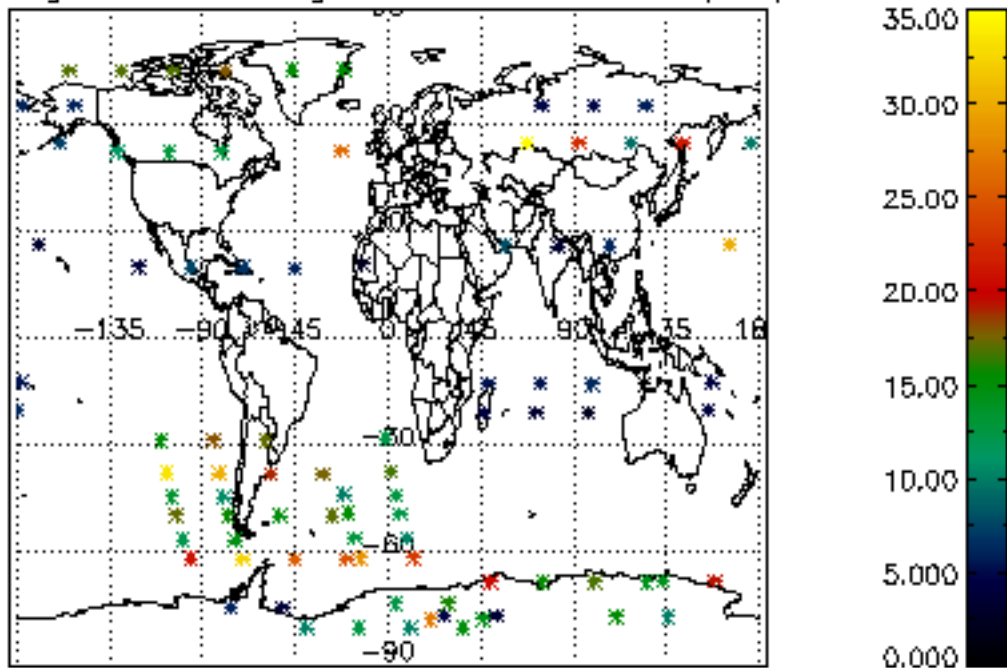
Percentage of cosmic ray hits per profile



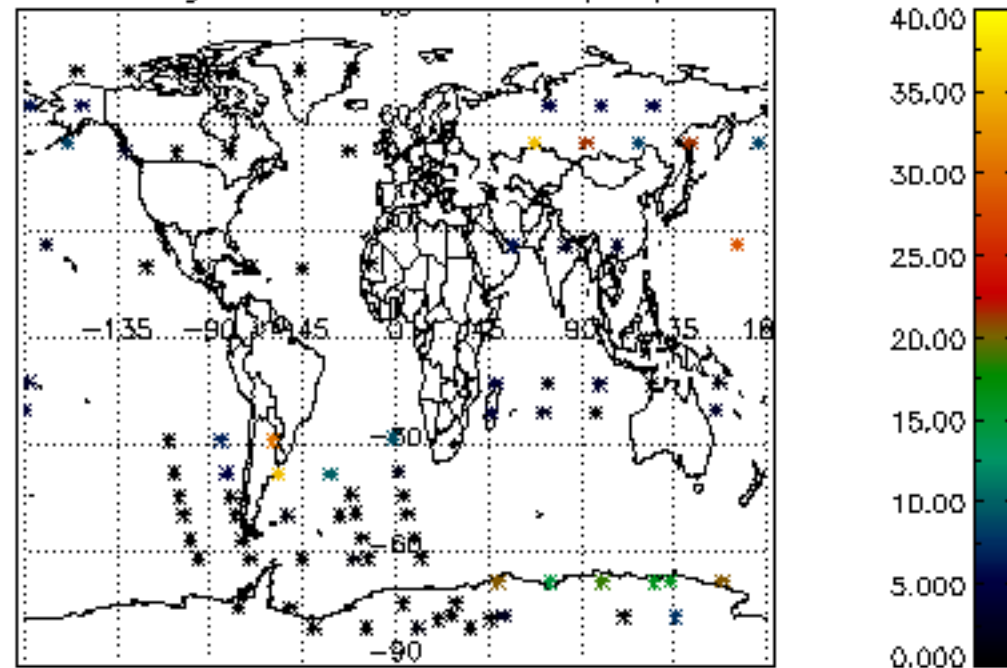
Percentage of datation errors per profile



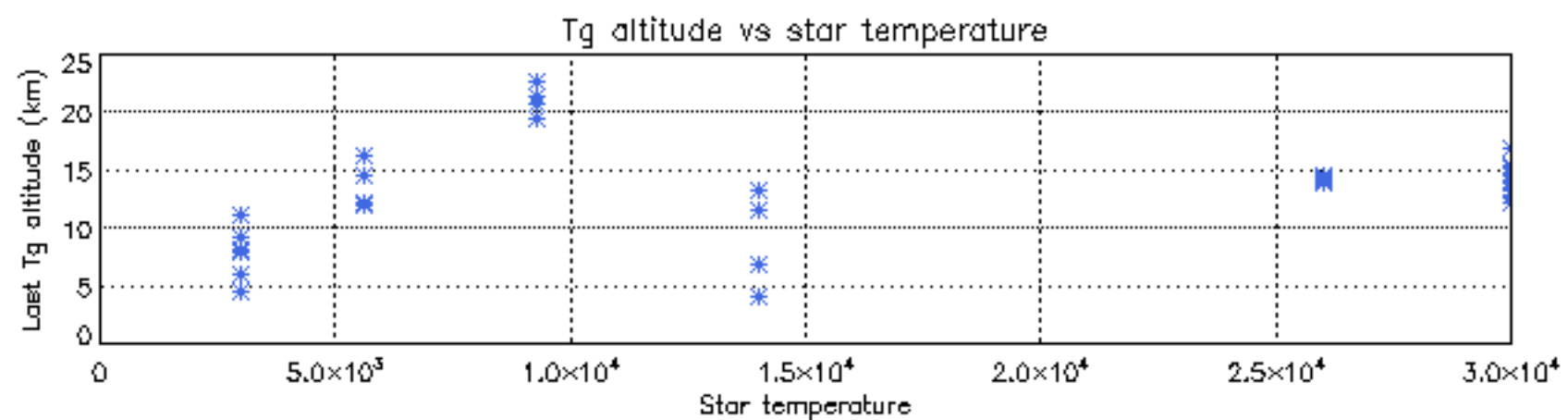
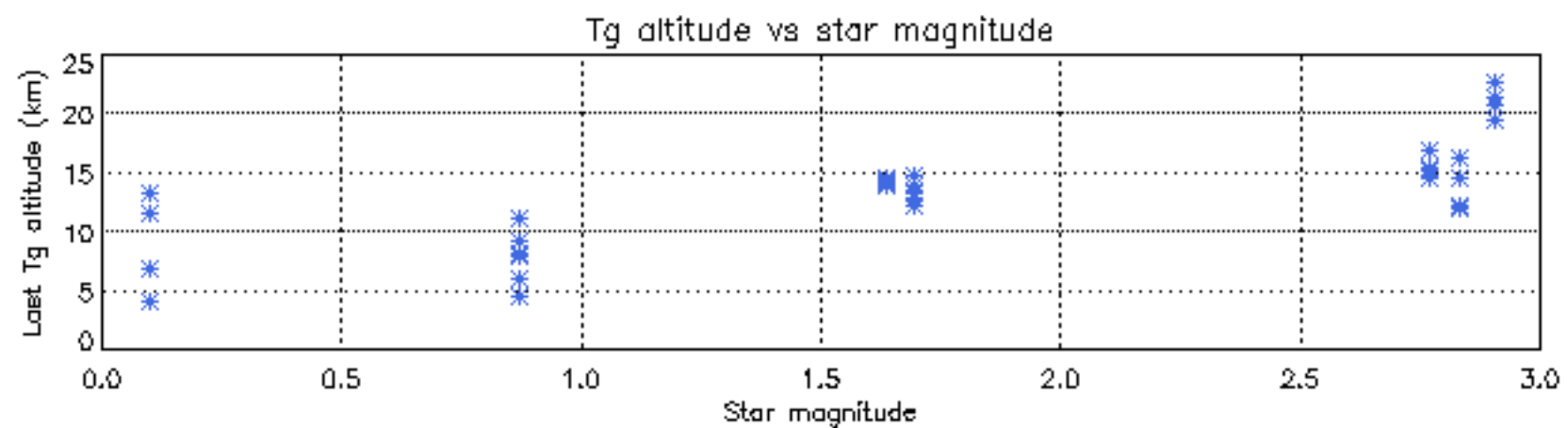
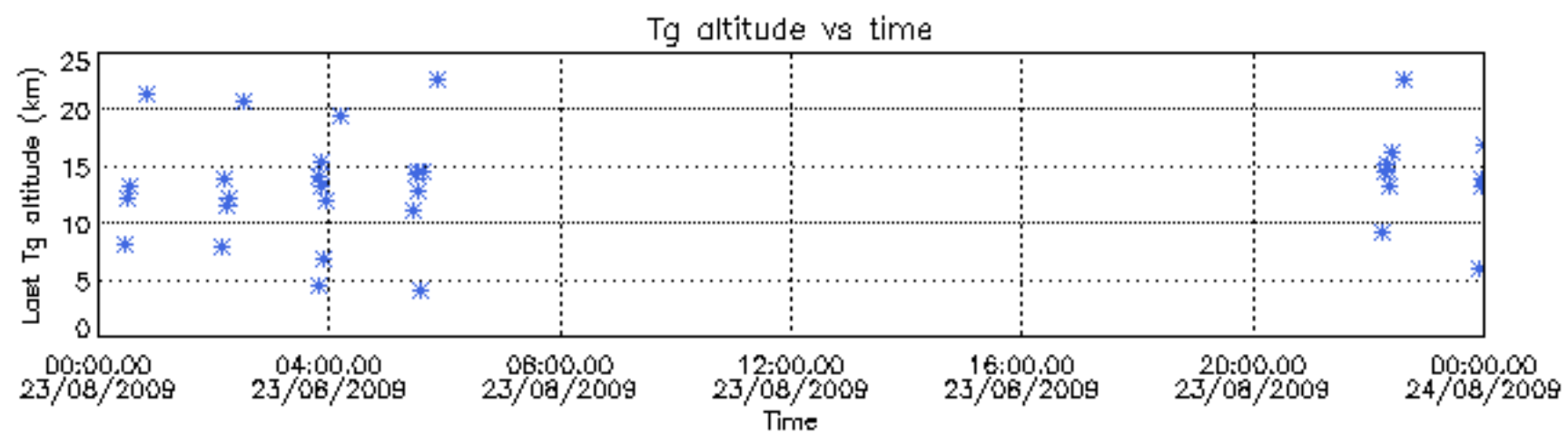
Percentage of star falling outside central band per profile



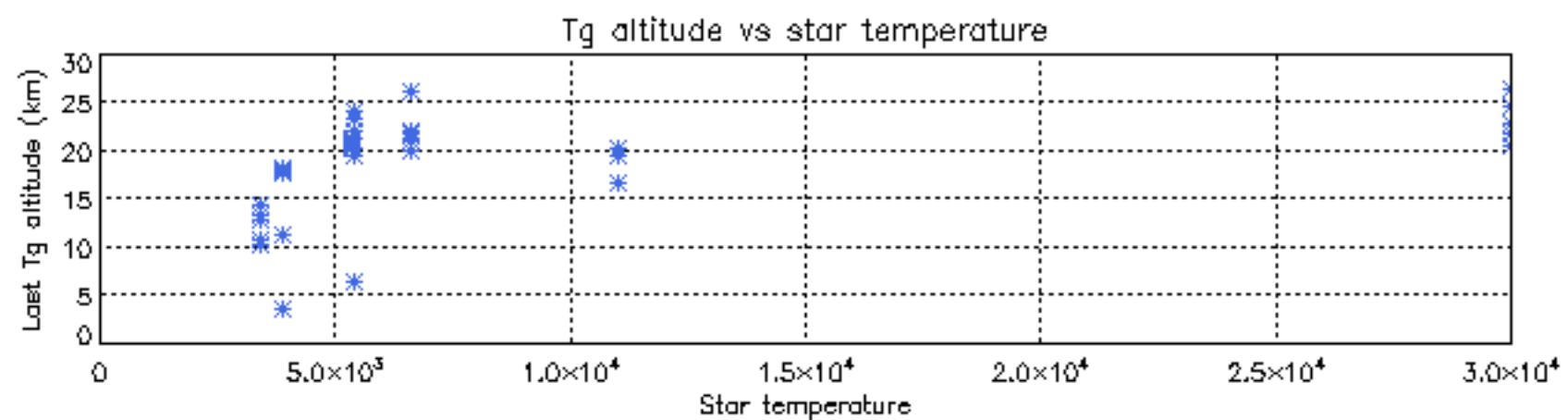
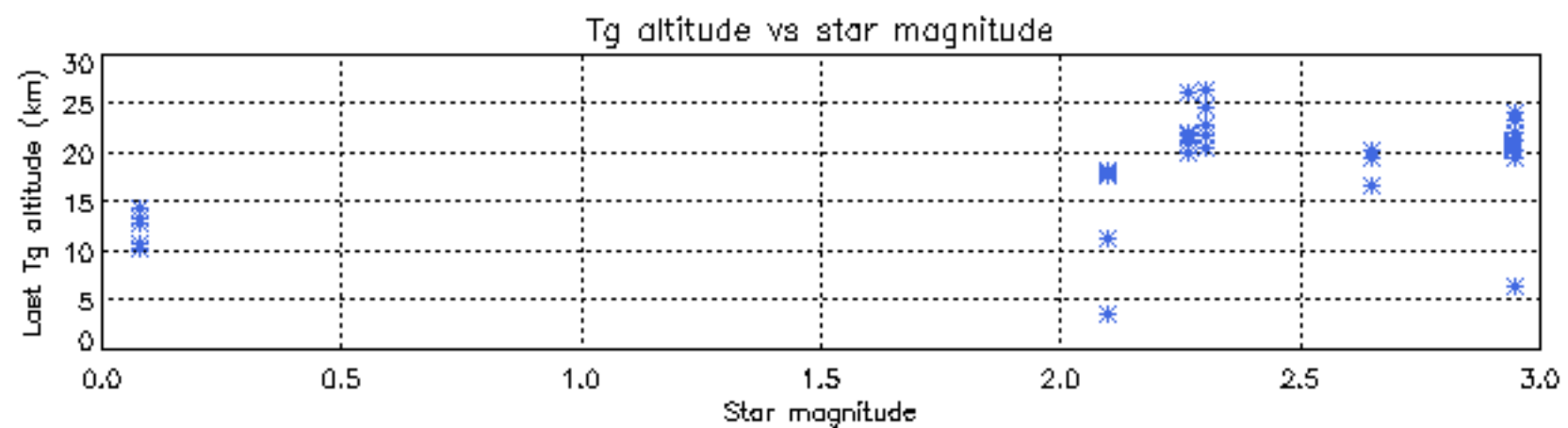
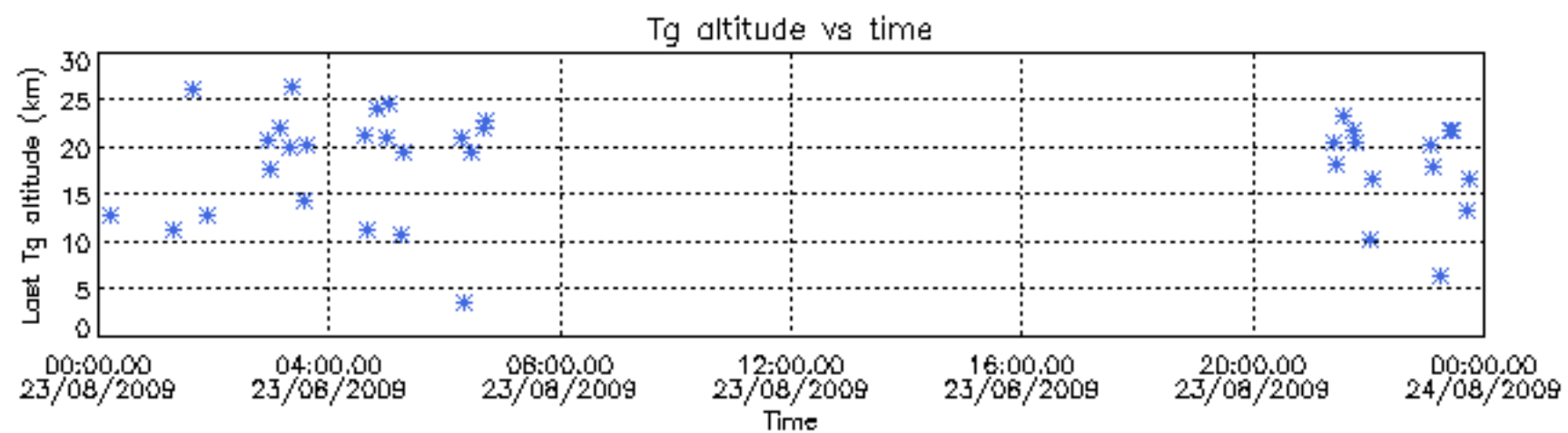
Percentage of saturation errors per profile

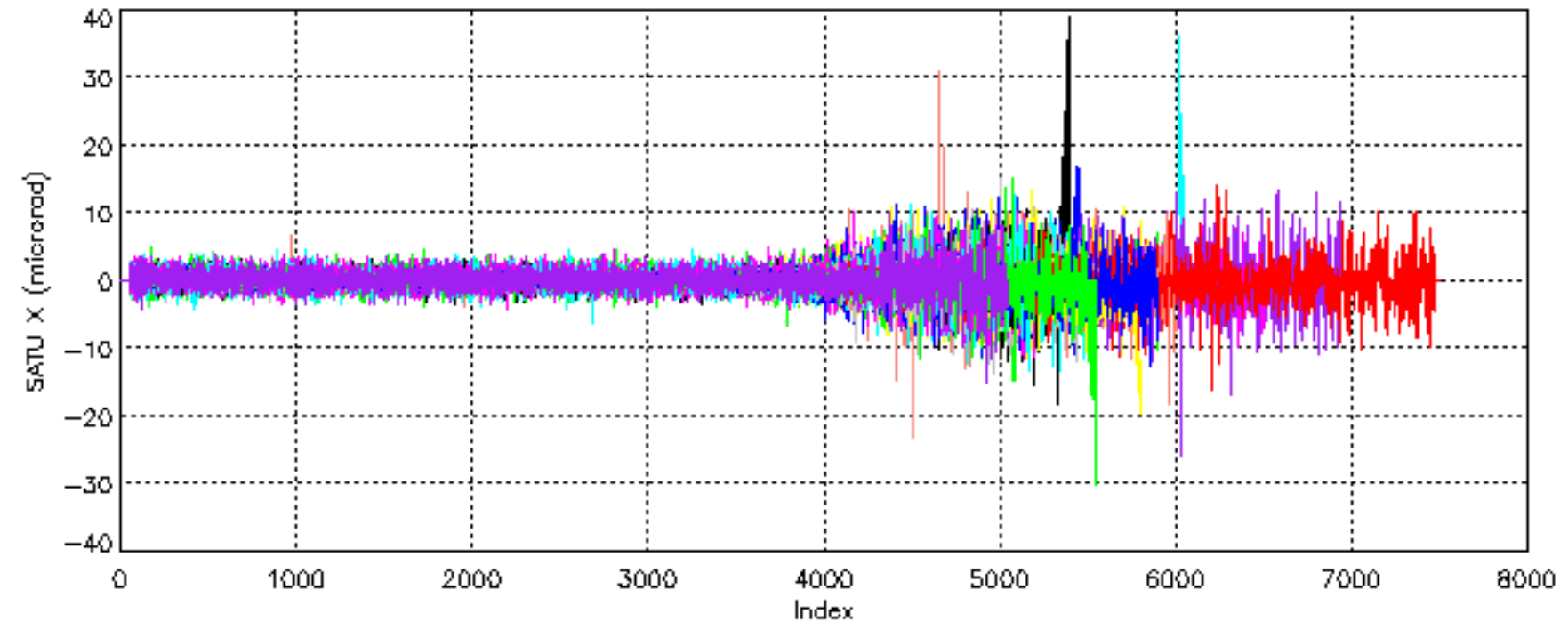


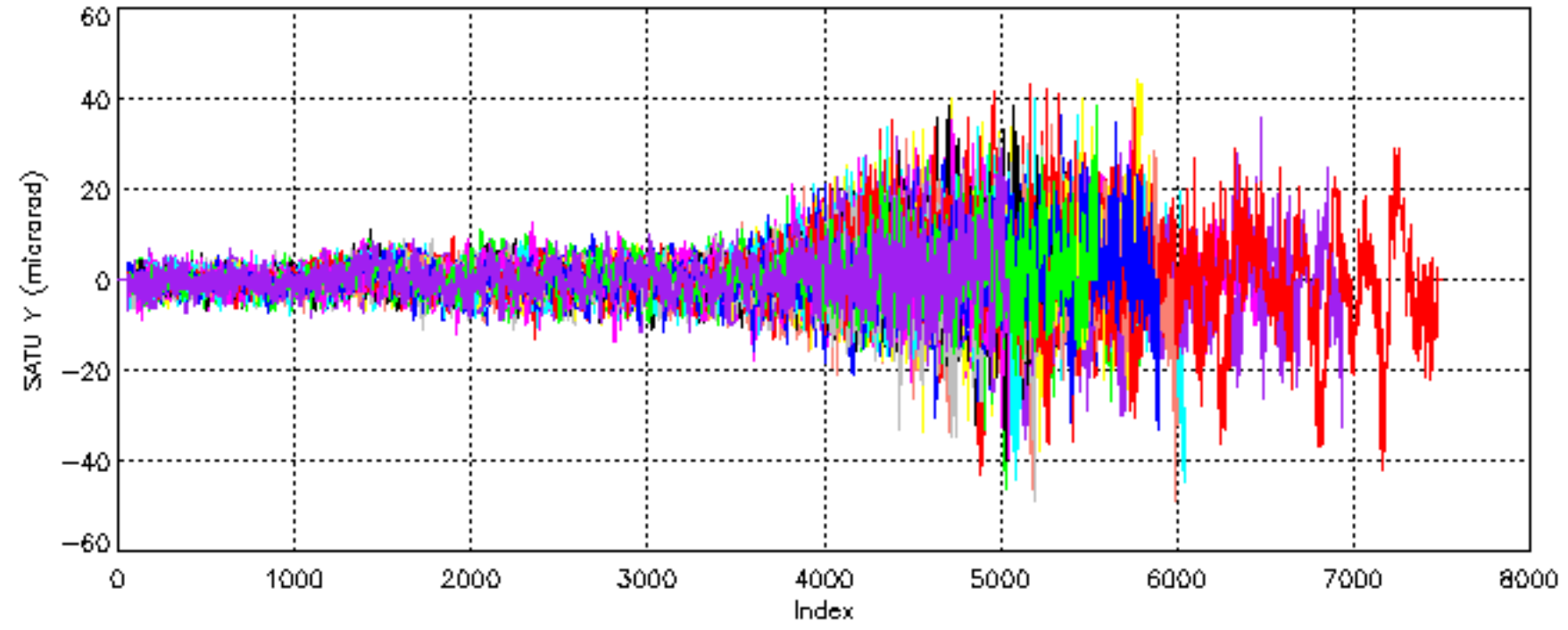
Tangent altitude at which the star is lost

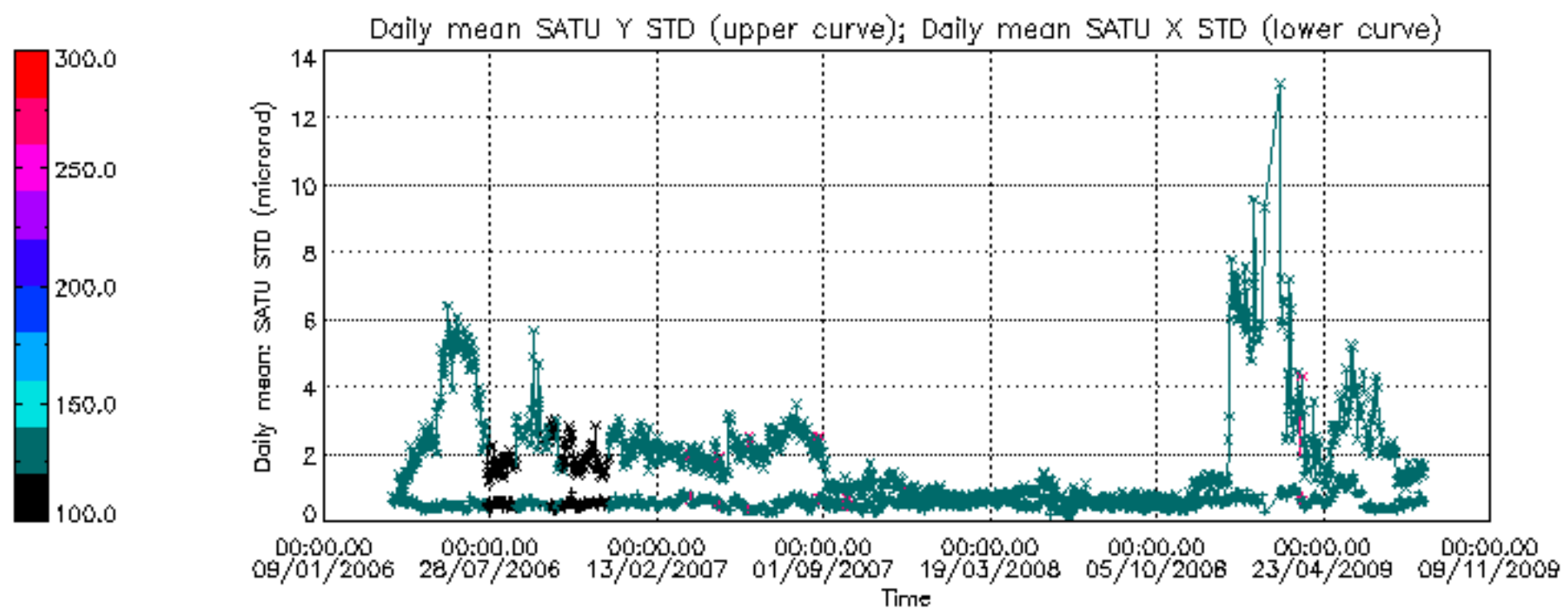


Tangent altitude at which the star is lost









/nas3/ENVISAT/GOMOS/GOM_NL__0P/GOM_NL__0PNPDE20090801_002250_000055632081_00159_38790_8268.N1

1; -711.5; 01-AUG-2009 00:22:50; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 71;38790
 2; -588.9; 01-AUG-2009 00:24:53; Dark ; 55.5; 165; 34Gam Eri ; 2.95; 3200;occ; 111; 0;38790
 3; -23.8; 01-AUG-2009 00:34:18; Dark ; 44.5; 157; The1Eri ; 2.91; 9300;occ; 89; 0;38790
 4; 593.0; 01-AUG-2009 00:44:35; Dark ; 53.0; 84; Alp Phe ; 2.40; 4500;occ; 106; 0;38791
 5; 919.4; 01-AUG-2009 00:50:01; Dark ; 44.0; 31; Alp Gru ; 1.73; 15200;occ; 88; 0;38791
 6; 1107.9; 01-AUG-2009 00:53:10; Dark ; 44.5; 172; Gam Gru ; 3.00; 13100;occ; 89; 0;38791
 7; 1570.1; 01-AUG-2009 01:00:52; Bright; 53.0; 142; 49Del Cap ; 2.85; 8900;occ; 106; 0;38791
 8; 1823.7; 01-AUG-2009 01:05:06; Bright; 54.0; 154; 22Bet Aqr ; 2.90; 5700;occ; 108; 0;38791
 9; 2579.6; 01-AUG-2009 01:17:41; Bright; 42.5; 92; 53Eps Cyg ; 2.50; 4500;occ; 85; 0;38791
 10; 2766.4; 01-AUG-2009 01:20:48; Bright; 61.0; 19; 50Alp Cyg ; 1.25; 10500;occ; 122; 0;38791
 11; 3090.9; 01-AUG-2009 01:26:13; Bright; 36.0; 89; 5Alp Cep ; 2.45; 8000;occ; 72; 0;38791
 12; 3478.8; 01-AUG-2009 01:32:41; Bright; 49.5; 74; 11Bet Cas ; 2.27; 6600;occ; 99; 0;38791
 13; 3596.5; 01-AUG-2009 01:34:38; Bright; 47.5; 76; 27Gam Cas ; 2.30; 30000;occ; 95; 0;38791
 14; 3979.2; 01-AUG-2009 01:41:01; Bright; 46.5; 160; 23Gam Per ; 2.93; 4700;occ; 93; 0;38791
 15; 4078.5; 01-AUG-2009 01:42:40; Bright; 50.0; 35; 33Alp Per ; 1.79; 6250;occ; 100; 0;38791
 16; 4315.6; 01-AUG-2009 01:46:37; Bright; 47.5; 149; 45Eps Per ; 2.89; 30000;occ; 95; 0;38791
 17; 4501.5; 01-AUG-2009 01:49:43; Dark ; 54.5; 150; 44Zet Per ; 2.89; 28000;occ; 109; 0;38791
 18; 4789.6; 01-AUG-2009 01:54:32; Dark ; 62.5; 13; 87Alp Tau ; 0.87; 3800;occ; 125; 0;38791

/nas3/ENVISAT/GOMOS/GOM_NL__0P/GOM_NL__0PNPDE20090801_020252_000043462081_00160_38791_8269.N1

1; -746.0; 01-AUG-2009 02:02:52; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;38791
 2; -588.1; 01-AUG-2009 02:05:30; Dark ; 58.0; 165; 34Gam Eri ; 2.95; 3200;occ; 116; 0;38791
 3; -22.9; 01-AUG-2009 02:14:55; Dark ; 46.0; 157; The1Eri ; 2.91; 9300;occ; 92; 0;38791
 4; 594.1; 01-AUG-2009 02:25:12; Dark ; 55.0; 84; Alp Phe ; 2.40; 4500;occ; 110; 0;38792
 5; 919.9; 01-AUG-2009 02:30:38; Dark ; 44.0; 31; Alp Gru ; 1.73; 15200;occ; 88; 0;38792
 6; 1108.3; 01-AUG-2009 02:33:46; Dark ; 45.5; 172; Gam Gru ; 3.00; 13100;occ; 91; 0;38792
 7; 1570.1; 01-AUG-2009 02:41:28; Bright; 51.0; 142; 49Del Cap ; 2.85; 8900;occ; 102; 0;38792
 8; 1823.6; 01-AUG-2009 02:45:41; Bright; 53.0; 154; 22Bet Aqr ; 2.90; 5700;occ; 106; 0;38792
 9; 2579.1; 01-AUG-2009 02:58:17; Bright; 45.0; 92; 53Eps Cyg ; 2.50; 4500;occ; 90; 0;38792
 10; 2765.9; 01-AUG-2009 03:01:24; Bright; 42.5; 19; 50Alp Cyg ; 1.25; 10500;occ; 85; 0;38792
 11; 3090.6; 01-AUG-2009 03:06:48; Bright; 36.5; 89; 5Alp Cep ; 2.45; 8000;occ; 73; 0;38792
 12; 3478.4; 01-AUG-2009 03:13:16; Bright; 49.5; 74; 11Bet Cas ; 2.27; 6600;occ; 99; 0;38792
 13; 3595.8; 01-AUG-2009 03:15:14; Bright; 5.0; 76; 27Gam Cas ; 2.30; 30000;occ; 10; 0;38792

/nas3/ENVISAT/GOMOS/GOM_NL__0P/GOM_NL__0PNPDE20090801_031514_000060852081_00161_38792_8270.N1

1; -2440.2; 01-AUG-2009 03:15:14; Bright; 49.5; 76; 27Gam Cas ; 2.30; 30000;occ; 99; 0;38792
 2; -2057.2; 01-AUG-2009 03:21:37; Bright; 49.0; 160; 23Gam Per ; 2.93; 4700;occ; 98; 0;38792
 3; -1957.7; 01-AUG-2009 03:23:16; Bright; 61.0; 35; 33Alp Per ; 1.79; 6250;occ; 122; 0;38792
 4; -1720.3; 01-AUG-2009 03:27:13; Bright; 45.5; 149; 45Eps Per ; 2.89; 30000;occ; 91; 0;38792
 5; -1534.4; 01-AUG-2009 03:30:19; Dark ; 55.0; 150; 44Zet Per ; 2.89; 28000;occ; 110; 0;38792
 6; -1245.8; 01-AUG-2009 03:35:08; Dark ; 44.0; 13; 87Alp Tau ; 0.87; 3800;occ; 88; 0;38792
 7; -1085.9; 01-AUG-2009 03:37:48; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;38792
 8; -587.1; 01-AUG-2009 03:46:07; Dark ; 57.0; 165; 34Gam Eri ; 2.95; 3200;occ; 114; 0;38792
 9; -21.8; 01-AUG-2009 03:55:32; Dark ; 44.5; 157; The1Eri ; 2.91; 9300;occ; 89; 0;38792
 10; 595.3; 01-AUG-2009 04:05:49; Dark ; 59.0; 84; Alp Phe ; 2.40; 4500;occ; 118; 0;38793
 11; 920.5; 01-AUG-2009 04:11:14; Dark ; 43.0; 31; Alp Gru ; 1.73; 15200;occ; 86; 0;38793
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16; 6696.6; 05-AUG-2009 13:44:38; Dark ; 56.5; 84; Alp Phe ; 2.40; 4500;occ; 113; 0;38855
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13; 4200.5; 06-AUG-2009 20:54:25; Bright; 44.5; 6; 13Alp Aur ; 0.08; 3400;occ; 89; 0;38874
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3; 77.3; 07-AUG-2009 22:35:16; Dark ; 48.5; 157; The1Eri ; 2.91; 9300;occ; 97; 0;38890
4; 694.2; 07-AUG-2009 22:45:33; Dark ; 56.5; 84; Alp Phe ; 2.40; 4500;occ; 113; 0;38890
5; 906.8; 07-AUG-2009 22:49:06; Dark ; 51.0; 63; Bet Gru ; 2.15; 2800;occ; 102; 0;38890
6; 1195.1; 07-AUG-2009 22:53:54; Dark ; 60.0; 18; 24Alp PsA ; 1.17; 9700;occ; 120; 0;38890
7; 1579.6; 07-AUG-2009 23:00:19; Bright; 67.0; 142; 49Del Cap ; 2.85; 8900;occ; 134; 0;38890
8; 1807.6; 07-AUG-2009 23:04:07; Bright; 44.0; 154; 22Bet Aqr ; 2.90; 5700;occ; 88; 0;38890
9; 2163.8; 07-AUG-2009 23:10:03; Bright; 52.5; 61; 8Eps Peg ; 2.10; 3900;occ; 105; 0;38890
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13; 3052.4; 07-AUG-2009 23:24:51; Bright; 40.0; 89; 5Alp Cep ; 2.45; 8000;occ; 80; 0;38890
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15; 3526.2; 07-AUG-2009 23:32:45; Bright; 48.0; 76; 27Gam Cas ; 2.30; 30000;occ; 96; 0;38890
16; 3938.4; 07-AUG-2009 23:39:37; Bright; 49.0; 160; 23Gam Per ; 2.93; 4700;occ; 98; 0;38890
17; 4046.8; 07-AUG-2009 23:41:26; Bright; 53.0; 35; 33Alp Per ; 1.79; 6250;occ; 106; 0;38890
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19; 4309.3; 07-AUG-2009 23:45:48; Bright; 53.5; 149; 45Eps Per ; 2.89; 30000;occ; 107; 0;38890
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23; 4947.9; 07-AUG-2009 23:56:27; Dark ; 46.0; 27; 24Gam Ori ; 1.64; 26000;occ; 92; 0;38890
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9; -492.4; 07-AUG-2009 07:20:23; Dark ; 61.5; 165; 34Gam Eri ; 2.95; 3200;occ; 123; 0;38880
10; -234.8; 07-AUG-2009 07:24:41; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;38880
11; 685.7; 07-AUG-2009 07:40:01; Dark ; 53.5; 84; Alp Phe ; 2.40; 4500;occ; 107; 0;38881
12; 901.9; 07-AUG-2009 07:43:38; Dark ; 60.0; 63; Bet Gru ; 2.15; 2800;occ; 120; 0;38881
13; 1190.1; 07-AUG-2009 07:48:26; Dark ; 60.5; 18; 24Alp PsA ; 1.17; 9700;occ; 121; 0;38881
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3; 2538.8; 07-AUG-2009 08:10:55; Bright; 60.0; 92; 53Eps Cyg ; 2.50; 4500;occ; 120; 0;38881
4; 2621.5; 07-AUG-2009 08:12:17; Bright; 39.0; 66; 37Gam Cyg ; 2.21; 5900;occ; 78; 0;38881
5; 2729.4; 07-AUG-2009 08:14:05; Bright; 41.0; 19; 50Alp Cyg ; 1.25; 10500;occ; 82; 0;38881
6; 3055.6; 07-AUG-2009 08:19:31; Bright; 38.0; 89; 5Alp Cep ; 2.45; 8000;occ; 76; 0;38881
7; 3406.2; 07-AUG-2009 08:25:22; Bright; 50.0; 74; 11Bet Cas ; 2.27; 6600;occ; 100; 0;38881
8; 3532.7; 07-AUG-2009 08:27:28; Bright; 47.5; 76; 27Gam Cas ; 2.30; 30000;occ; 95; 0;38881
9; 3942.8; 07-AUG-2009 08:34:18; Bright; 73.0; 160; 23Gam Per ; 2.93; 4700;occ; 146; 0;38881
10; 4050.2; 07-AUG-2009 08:36:06; Bright; 73.0; 35; 33Alp Per ; 1.79; 6250;occ; 146; 0;38881
11; 4200.5; 07-AUG-2009 08:38:36; Bright; 47.5; 6; 13Alp Aur ; 0.08; 3400;occ; 95; 0;38881
12; 4310.2; 07-AUG-2009 08:40:26; Bright; 52.5; 149; 45Eps Per ; 2.89; 30000;occ; 105; 0;38881
13; 4530.0; 07-AUG-2009 08:44:06; Dark ; 47.0; 28; 12Bet Tau ; 1.65; 15200;occ; 94; 0;38881

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 15; 4944.4; 07-AUG-2009 08:51:00; Dark ; 46.0; 27; 24Gam Ori ; 1.64; 26000;occ; 92; 0;38881
 16; 5218.5; 07-AUG-2009 08:55:34; Dark ; 51.5; 7; 19Bet Ori ; 0.10; 14000;occ; 103; 0;38881
 17; 5544.6; 07-AUG-2009 09:01:00; Dark ; 62.5; 165; 34Gam Eri ; 2.95; 3200;occ; 125; 0;38881
 18; 5801.9; 07-AUG-2009 09:05:18; Dark ; 59.0; 0; ; 0.00; 0;occ; 118; 0;38881
 19; 6104.8; 07-AUG-2009 09:10:20; Dark ; 47.0; 157; The1Eri ; 2.91; 9300;occ; 94; 0;38881
 20; 6722.6; 07-AUG-2009 09:20:38; Dark ; 55.5; 84; Alp Phe ; 2.40; 4500;occ; 111; 0;38881
 21; 6938.5; 07-AUG-2009 09:24:14; Dark ; 57.5; 63; Bet Gru ; 2.15; 2800;occ; 115; 0;38881
 22; 7226.6; 07-AUG-2009 09:29:02; Dark ; 61.0; 18; 24Alp PsA ; 1.17; 9700;occ; 122; 0;38881
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 3; 2538.6; 07-AUG-2009 09:51:30; Bright; 60.0; 92; 53Eps Cyg ; 2.50; 4500;occ; 120; 0;38882
 4; 2621.2; 07-AUG-2009 09:52:53; Bright; 40.0; 66; 37Gam Cyg ; 2.21; 5900;occ; 80; 0;38882
 5; 2728.9; 07-AUG-2009 09:54:41; Bright; 40.5; 19; 50Alp Cyg ; 1.25; 10500;occ; 81; 0;38882
 6; 3055.3; 07-AUG-2009 10:00:07; Bright; 38.5; 89; 5Alp Cep ; 2.45; 8000;occ; 77; 0;38882
 7; 3405.4; 07-AUG-2009 10:05:57; Bright; 48.5; 74; 11Bet Cas ; 2.27; 6600;occ; 97; 0;38882
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 9; 3942.2; 07-AUG-2009 10:14:54; Bright; 53.0; 160; 23Gam Per ; 2.93; 4700;occ; 106; 0;38882
 10; 4049.9; 07-AUG-2009 10:16:42; Bright; 53.0; 35; 33Alp Per ; 1.79; 6250;occ; 106; 0;38882
 11; 4200.4; 07-AUG-2009 10:19:12; Bright; 46.5; 6; 13Alp Aur ; 0.08; 3400;occ; 93; 0;38882
 12; 4310.1; 07-AUG-2009 10:21:02; Bright; 55.5; 149; 45Eps Per ; 2.89; 30000;occ; 111; 0;38882
 13; 4530.3; 07-AUG-2009 10:24:42; Dark ; 47.0; 28; 12Bet Tau ; 1.65; 15200;occ; 94; 0;38882
 14; 4829.7; 07-AUG-2009 10:29:41; Dark ; 70.0; 13; 87Alp Tau ; 0.87; 3800;occ; 140; 0;38882
 15; 4944.7; 07-AUG-2009 10:31:36; Dark ; 47.5; 27; 24Gam Ori ; 1.64; 26000;occ; 95; 0;38882
 16; 5219.1; 07-AUG-2009 10:36:11; Dark ; 52.0; 7; 19Bet Ori ; 0.10; 14000;occ; 104; 0;38882
 17; 5545.9; 07-AUG-2009 10:41:38; Dark ; 63.5; 165; 34Gam Eri ; 2.95; 3200;occ; 127; 0;38882
 18; 5802.7; 07-AUG-2009 10:45:54; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;38882
 19; 6105.8; 07-AUG-2009 10:50:57; Dark ; 48.5; 157; The1Eri ; 2.91; 9300;occ; 97; 0;38882
 20; 6723.6; 07-AUG-2009 11:01:15; Dark ; 62.5; 84; Alp Phe ; 2.40; 4500;occ; 125; 0;38882
 21; 6939.0; 07-AUG-2009 11:04:51; Dark ; 48.5; 63; Bet Gru ; 2.15; 2800;occ; 97; 0;38882
 22; 7227.2; 07-AUG-2009 11:09:39; Dark ; 56.0; 18; 24Alp PsA ; 1.17; 9700;occ; 112; 0;38882
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 3; 2538.1; 07-AUG-2009 11:32:06; Bright; 60.0; 92; 53Eps Cyg ; 2.50; 4500;occ; 120; 0;38883
 4; 2621.0; 07-AUG-2009 11:33:29; Bright; 38.0; 66; 37Gam Cyg ; 2.21; 5900;occ; 76; 0;38883
 5; 2728.7; 07-AUG-2009 11:35:16; Bright; 40.0; 19; 50Alp Cyg ; 1.25; 10500;occ; 80; 0;38883
 6; 3054.9; 07-AUG-2009 11:40:42; Bright; 40.0; 89; 5Alp Cep ; 2.45; 8000;occ; 80; 0;38883
 7; 3404.6; 07-AUG-2009 11:46:32; Bright; 51.0; 74; 11Bet Cas ; 2.27; 6600;occ; 102; 0;38883
 8; 3531.3; 07-AUG-2009 11:48:39; Bright; 72.0; 76; 27Gam Cas ; 2.30; 30000;occ; 144; 0;38883
 9; 3941.6; 07-AUG-2009 11:55:29; Bright; 73.0; 160; 23Gam Per ; 2.93; 4700;occ; 146; 0;38883
 10; 4049.5; 07-AUG-2009 11:57:17; Bright; 55.0; 35; 33Alp Per ; 1.79; 6250;occ; 110; 0;38883
 11; 4200.4; 07-AUG-2009 11:59:48; Bright; 46.0; 6; 13Alp Aur ; 0.08; 3400;occ; 92; 0;38883
 12; 4310.0; 07-AUG-2009 12:01:38; Bright; 53.0; 149; 45Eps Per ; 2.89; 30000;occ; 106; 0;38883
 13; 4530.5; 07-AUG-2009 12:05:18; Dark ; 48.5; 28; 12Bet Tau ; 1.65; 15200;occ; 97; 0;38883
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 15; 4945.2; 07-AUG-2009 12:12:13; Dark ; 45.5; 27; 24Gam Ori ; 1.64; 26000;occ; 91; 0;38883
 16; 5219.7; 07-AUG-2009 12:16:47; Dark ; 55.0; 7; 19Bet Ori ; 0.10; 14000;occ; 110; 0;38883
 17; 5547.0; 07-AUG-2009 12:22:15; Dark ; 58.5; 165; 34Gam Eri ; 2.95; 3200;occ; 117; 0;38883
 18; 5803.5; 07-AUG-2009 12:26:31; Dark ; 59.0; 0; ; 0.00; 0;occ; 118; 0;38883
 19; 6106.7; 07-AUG-2009 12:31:34; Dark ; 47.0; 157; The1Eri ; 2.91; 9300;occ; 94; 0;38883
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 21; 6939.6; 07-AUG-2009 12:45:27; Dark ; 49.0; 63; Bet Gru ; 2.15; 2800;occ; 98; 0;38883
 22; 7227.7; 07-AUG-2009 12:50:15; Dark ; 61.5; 18; 24Alp PsA ; 1.17; 9700;occ; 123; 0;38883
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 3; 2167.3; 07-AUG-2009 13:06:31; Bright; 49.0; 61; 8Eps Peg ; 2.10; 3900;occ; 98; 0;38884
 4; 2537.7; 07-AUG-2009 13:12:41; Bright; 41.0; 92; 53Eps Cyg ; 2.50; 4500;occ; 82; 0;38884
 5; 2620.8; 07-AUG-2009 13:14:04; Bright; 39.0; 66; 37Gam Cyg ; 2.21; 5900;occ; 78; 0;38884
 6; 2728.4; 07-AUG-2009 13:15:52; Bright; 41.0; 19; 50Alp Cyg ; 1.25; 10500;occ; 82; 0;38884
 7; 3054.5; 07-AUG-2009 13:21:18; Bright; 39.5; 89; 5Alp Cep ; 2.45; 8000;occ; 79; 0;38884
 8; 3403.9; 07-AUG-2009 13:27:07; Bright; 48.5; 74; 11Bet Cas ; 2.27; 6600;occ; 97; 0;38884
 9; 3530.7; 07-AUG-2009 13:29:14; Bright; 47.5; 76; 27Gam Cas ; 2.30; 30000;occ; 95; 0;38884


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11; 4049.2; 07-AUG-2009 13:37:53; Bright; 53.0; 35; 33Alp Per ; 1.79; 6250;occ; 106; 0;38884
12; 4200.5; 07-AUG-2009 13:40:24; Bright; 45.5; 6; 13Alp Aur ; 0.08; 3400;occ; 91; 0;38884
13; 4310.0; 07-AUG-2009 13:42:13; Bright; 51.0; 149; 45Eps Per ; 2.89; 30000;occ; 102; 0;38884
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15; 4830.7; 07-AUG-2009 13:50:54; Dark ; 71.0; 13; 87Alp Tau ; 0.87; 3800;occ; 142; 0;38884
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20; 6107.9; 07-AUG-2009 14:12:11; Dark ; 49.0; 157; The1Eri ; 2.91; 9300;occ; 98; 0;38884
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22; 6940.2; 07-AUG-2009 14:26:04; Dark ; 48.5; 63; Bet Gru ; 2.15; 2800;occ; 97; 0;38884
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 3; 2166.8; 07-AUG-2009 14:47:06; Bright; 49.0; 61; 8Eps Peg ; 2.10; 3900;occ; 98; 0;38885
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 5; 2620.7; 07-AUG-2009 14:54:40; Bright; 56.0; 66; 37Gam Cyg ; 2.21; 5900;occ; 112; 0;38885
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 8; 3403.2; 07-AUG-2009 15:07:42; Bright; 50.0; 74; 11Bet Cas ; 2.27; 6600;occ; 100; 0;38885
 9; 3530.0; 07-AUG-2009 15:09:49; Bright; 48.5; 76; 27Gam Cas ; 2.30; 30000;occ; 97; 0;38885
10; 3941.0; 07-AUG-2009 15:16:40; Bright; 49.0; 160; 23Gam Per ; 2.93; 4700;occ; 98; 0;38885
11; 4048.9; 07-AUG-2009 15:18:28; Bright; 54.0; 35; 33Alp Per ; 1.79; 6250;occ; 108; 0;38885
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13; 4310.1; 07-AUG-2009 15:22:49; Bright; 53.0; 149; 45Eps Per ; 2.89; 30000;occ; 106; 0;38885
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21; 6726.6; 07-AUG-2009 16:03:06; Dark ; 53.0; 84; Alp Phe ; 2.40; 4500;occ; 106; 0;38885
22; 6940.9; 07-AUG-2009 16:06:40; Dark ; 47.5; 63; Bet Gru ; 2.15; 2800;occ; 95; 0;38885
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21; 6739.0; 08-AUG-2009 13:51:05; Dark ; 56.0; 84; Alp Phe ; 2.40; 4500;occ; 112; 0;38898
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9; 3934.3; 08-AUG-2009 14:44:57; Bright; 50.0; 160; 23Gam Per ; 2.93; 4700;occ; 100; 0;38899
10; 4043.8; 08-AUG-2009 14:46:46; Bright; 54.0; 35; 33Alp Per ; 1.79; 6250;occ; 108; 0;38899
11; 4200.1; 08-AUG-2009 14:49:22; Bright; 44.5; 6; 13Alp Aur ; 0.08; 3400;occ; 89; 0;38899
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21; 6740.1; 08-AUG-2009 15:31:42; Dark ; 58.0; 84; Alp Phe ; 2.40; 4500;occ; 116; 0;38899
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23; 7236.7; 08-AUG-2009 15:39:59; Dark ; 57.5; 18; 24Alp PsA ; 1.17; 9700;occ; 115; 0;38899

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6; 3048.8; 08-AUG-2009 16:10:47; Bright; 38.5; 89; 5Alp Cep ; 2.45; 8000;occ; 77; 0;38900
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8; 3518.9; 08-AUG-2009 16:18:37; Bright; 50.0; 76; 27Gam Cas ; 2.30; 30000;occ; 100; 0;38900
9; 3933.9; 08-AUG-2009 16:25:32; Bright; 51.0; 160; 23Gam Per ; 2.93; 4700;occ; 102; 0;38900
10; 4043.3; 08-AUG-2009 16:27:21; Bright; 58.0; 35; 33Alp Per ; 1.79; 6250;occ; 116; 0;38900
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13; 4533.3; 08-AUG-2009 16:35:32; Dark ; 49.0; 28; 12Bet Tau ; 1.65; 15200;occ; 98; 0;38900
14; 4665.0; 08-AUG-2009 16:37:43; Dark ; 43.0; 176; 23Zet Tau ; 3.02; 22000;occ; 86; 0;38900
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21; 6741.1; 08-AUG-2009 17:12:19; Dark ; 54.0; 84; Alp Phe ; 2.40; 4500;occ; 108; 0;38900
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3; 1806.8; 08-AUG-2009 17:30:41; Bright; 66.0; 154; 22Bet Aqr ; 2.90; 5700;occ; 132; 0;38901
4; 2157.9; 08-AUG-2009 17:36:32; Bright; 52.0; 61; 8Eps Peg ; 2.10; 3900;occ; 104; 0;38901
5; 2531.6; 08-AUG-2009 17:42:46; Bright; 38.0; 92; 53Eps Cyg ; 2.50; 4500;occ; 76; 0;38901
6; 2722.6; 08-AUG-2009 17:45:57; Bright; 39.5; 19; 50Alp Cyg ; 1.25; 10500;occ; 79; 0;38901
7; 3048.7; 08-AUG-2009 17:51:23; Bright; 39.0; 89; 5Alp Cep ; 2.45; 8000;occ; 78; 0;38901
8; 3390.1; 08-AUG-2009 17:57:04; Bright; 50.0; 74; 11Bet Cas ; 2.27; 6600;occ; 100; 0;38901
9; 3518.0; 08-AUG-2009 17:59:12; Bright; 50.5; 76; 27Gam Cas ; 2.30; 30000;occ; 101; 0;38901
10; 3933.4; 08-AUG-2009 18:06:08; Bright; 70.5; 160; 23Gam Per ; 2.93; 4700;occ; 141; 0;38901
11; 4042.8; 08-AUG-2009 18:07:57; Bright; 55.0; 35; 33Alp Per ; 1.79; 6250;occ; 110; 0;38901
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13; 4308.4; 08-AUG-2009 18:12:23; Bright; 56.0; 149; 45Eps Per ; 2.89; 30000;occ; 112; 0;38901
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19; 5569.7; 08-AUG-2009 18:33:24; Dark ; 63.0; 165; 34Gam Eri ; 2.95; 3200;occ; 126; 0;38901
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21; 6126.4; 08-AUG-2009 18:42:41; Dark ; 49.0; 157; The1Eri ; 2.91; 9300;occ; 98; 0;38901
22; 6742.1; 08-AUG-2009 18:52:56; Dark ; 53.0; 84; Alp Phe ; 2.40; 4500;occ; 106; 0;38901
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6; 2722.3; 08-AUG-2009 19:26:33; Bright; 39.5; 19; 50Alp Cyg ; 1.25; 10500;occ; 79; 0;38902
7; 3048.2; 08-AUG-2009 19:31:58; Bright; 40.5; 89; 5Alp Cep ; 2.45; 8000;occ; 81; 0;38902
8; 3389.3; 08-AUG-2009 19:37:40; Bright; 49.0; 74; 11Bet Cas ; 2.27; 6600;occ; 98; 0;38902
9; 3517.3; 08-AUG-2009 19:39:48; Bright; 50.0; 76; 27Gam Cas ; 2.30; 30000;occ; 100; 0;38902
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11; 4042.3; 08-AUG-2009 19:48:33; Bright; 54.5; 35; 33Alp Per ; 1.79; 6250;occ; 109; 0;38902
12; 4199.8; 08-AUG-2009 19:51:10; Bright; 47.5; 6; 13Alp Aur ; 0.08; 3400;occ; 95; 0;38902
13; 4308.3; 08-AUG-2009 19:52:58; Bright; 52.5; 149; 45Eps Per ; 2.89; 30000;occ; 105; 0;38902
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22; 6742.9; 08-AUG-2009 20:33:33; Dark ; 53.0; 84; Alp Phe ; 2.40; 4500;occ; 106; 0;38902
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 4; 94.8; 09-AUG-2009 01:25:09; Dark ; 49.0; 157; The1Eri ; 2.91; 9300;occ; 98; 0;38906
 5; 709.9; 09-AUG-2009 01:35:24; Dark ; 63.0; 84; Alp Phe ; 2.40; 4500;occ; 126; 0;38906
 6; 915.3; 09-AUG-2009 01:38:49; Dark ; 52.0; 63; Bet Gru ; 2.15; 2800;occ; 104; 0;38906
 7; 1203.9; 09-AUG-2009 01:43:38; Dark ; 60.0; 18; 24Alp PsA ; 1.17; 9700;occ; 120; 0;38906
 8; 1805.9; 09-AUG-2009 01:53:40; Bright; 46.5; 154; 22Bet Aqr ; 2.90; 5700;occ; 93; 0;38906
 9; 2155.4; 09-AUG-2009 01:59:29; Bright; 49.0; 61; 8Eps Peg ; 2.10; 3900;occ; 98; 0;38906
 10; 2529.8; 09-AUG-2009 02:05:44; Bright; 39.0; 92; 53Eps Cyg ; 2.50; 4500;occ; 78; 0;38906
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 19; 2721.0; 09-AUG-2009 03:49:31; Bright; 39.5; 19; 50Alp Cyg ; 1.25; 10500;occ; 79; 0;38907
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13; 712.9; 09-AUG-2009 06:37:15; Dark ; 52.5; 84; Alp Phe ; 2.40; 4500;occ; 105; 0;38909
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12; 4199.3; 09-AUG-2009 21:00:08; Bright; 46.0; 6; 13Alp Aur ; 0.08; 3400;occ; 92; 0;38917
13; 4306.7; 09-AUG-2009 21:01:56; Bright; 53.0; 149; 45Eps Per ; 2.89; 30000;occ; 106; 0;38917
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 9; 2148.7; 09-AUG-2009 23:47:10; Bright; 51.0; 61; 8Eps Peg ; 2.10; 3900;occ; 102; 0;38919
 10; 2525.6; 09-AUG-2009 23:53:26; Bright; 38.0; 92; 53Eps Cyg ; 2.50; 4500;occ; 76; 0;38919
 11; 2717.0; 09-AUG-2009 23:56:38; Bright; 36.0; 19; 50Alp Cyg ; 1.25; 10500;occ; 72; 0;38919
 12; 3042.5; 10-AUG-2009 00:02:03; Bright; 39.5; 89; 5Alp Cep ; 2.45; 8000;occ; 79; 0;38919
 13; 3375.3; 10-AUG-2009 00:07:36; Bright; 51.0; 74; 11Bet Cas ; 2.27; 6600;occ; 102; 0;38919
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 8; 3921.4; 10-AUG-2009 10:20:18; Bright; 50.5; 160; 23Gam Per ; 2.93; 4700;occ; 101; 0;38925
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 10; 4198.8; 10-AUG-2009 10:24:55; Bright; 45.0; 6; 13Alp Aur ; 0.08; 3400;occ; 90; 0;38925
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 12; 4537.6; 10-AUG-2009 10:30:34; Dark ; 49.0; 28; 12Bet Tau ; 1.65; 15200;occ; 98; 0;38925
 13; 4671.4; 10-AUG-2009 10:32:48; Dark ; 43.5; 176; 23Zet Tau ; 3.02; 22000;occ; 87; 0;38925
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 15; 5071.2; 10-AUG-2009 10:39:28; Dark ; 45.0; 72; 34Del Ori ; 2.25; 30000;occ; 90; 0;38925
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 17; 5601.5; 10-AUG-2009 10:48:18; Dark ; 65.5; 165; 34Gam Eri ; 2.95; 3200;occ; 131; 0;38925
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 22; 7250.3; 10-AUG-2009 11:15:47; Dark ; 54.5; 18; 24Alp PsA ; 1.17; 9700;occ; 109; 0;38925
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 3; 2145.4; 10-AUG-2009 11:31:18; Bright; 49.0; 61; 8Eps Peg ; 2.10; 3900;occ; 98; 0;38926
 4; 2523.4; 10-AUG-2009 11:37:36; Bright; 38.5; 92; 53Eps Cyg ; 2.50; 4500;occ; 77; 0;38926
 5; 2714.9; 10-AUG-2009 11:40:47; Bright; 39.5; 19; 50Alp Cyg ; 1.25; 10500;occ; 79; 0;38926
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 7; 3369.7; 10-AUG-2009 11:51:42; Bright; 49.0; 74; 11Bet Cas ; 2.27; 6600;occ; 98; 0;38926
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 9; 3920.9; 10-AUG-2009 12:00:53; Bright; 50.0; 160; 23Gam Per ; 2.93; 4700;occ; 100; 0;38926
 10; 4032.7; 10-AUG-2009 12:02:45; Bright; 56.5; 35; 33Alp Per ; 1.79; 6250;occ; 113; 0;38926
 11; 4198.8; 10-AUG-2009 12:05:31; Bright; 59.0; 6; 13Alp Aur ; 0.08; 3400;occ; 118; 0;38926
 12; 4305.5; 10-AUG-2009 12:07:18; Bright; 44.0; 149; 45Eps Per ; 2.89; 30000;occ; 88; 0;38926
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 14; 4671.9; 10-AUG-2009 12:13:24; Dark ; 40.5; 176; 23Zet Tau ; 3.02; 22000;occ; 81; 0;38926
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 22; 6765.6; 10-AUG-2009 12:48:18; Dark ; 53.5; 84; Alp Phe ; 2.40; 4500;occ; 107; 0;38926
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 2; 1804.2; 10-AUG-2009 13:06:13; Bright; 42.5; 154; 22Bet Aqr ; 2.90; 5700;occ; 85; 0;38927
 3; 2144.9; 10-AUG-2009 13:11:53; Bright; 48.5; 61; 8Eps Peg ; 2.10; 3900;occ; 97; 0;38927
 4; 2523.0; 10-AUG-2009 13:18:11; Bright; 40.5; 92; 53Eps Cyg ; 2.50; 4500;occ; 81; 0;38927
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 6; 3039.9; 10-AUG-2009 13:26:48; Bright; 39.5; 89; 5Alp Cep ; 2.45; 8000;occ; 79; 0;38927
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 17; 5072.4; 10-AUG-2009 14:00:41; Dark ; 40.5; 72; 34Del Ori ; 2.25; 30000;occ; 81; 0;38927

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22; 6766.5; 10-AUG-2009 14:28:55; Dark ; 53.0; 84; Alp Phe ; 2.40; 4500;occ; 106; 0;38927
23; 6962.8; 10-AUG-2009 14:32:11; Dark ; 46.0; 63; Bet Gru ; 2.15; 2800;occ; 92; 0;38927
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 4; 2144.6; 10-AUG-2009 14:52:29; Bright; 51.0; 61; 8Eps Peg ; 2.10; 3900;occ; 102; 0;38928
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 9; 3498.3; 10-AUG-2009 15:15:03; Bright; 47.0; 76; 27Gam Cas ; 2.30; 30000;occ; 94; 0;38928
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13; 4305.5; 10-AUG-2009 15:28:30; Bright; 38.0; 149; 45Eps Per ; 2.89; 30000;occ; 76; 0;38928
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23; 6767.5; 10-AUG-2009 16:09:32; Dark ; 51.5; 84; Alp Phe ; 2.40; 4500;occ; 103; 0;38928
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 3; 1804.2; 10-AUG-2009 16:27:24; Bright; 64.0; 154; 22Bet Aqr ; 2.90; 5700;occ; 128; 0;38929
 4; 1946.3; 10-AUG-2009 16:29:46; Bright; 25.0; 162; 34Alp Aqr ; 2.94; 5350;occ; 50; 0;38929
 5; 2144.2; 10-AUG-2009 16:33:04; Bright; 50.0; 61; 8Eps Peg ; 2.10; 3900;occ; 100; 0;38929
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 7; 2714.0; 10-AUG-2009 16:42:34; Bright; 38.0; 19; 50Alp Cyg ; 1.25; 10500;occ; 76; 0;38929
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 9; 3367.4; 10-AUG-2009 16:53:28; Bright; 50.0; 74; 11Bet Cas ; 2.27; 6600;occ; 100; 0;38929
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13; 4198.8; 10-AUG-2009 17:07:19; Bright; 48.5; 6; 13Alp Aur ; 0.08; 3400;occ; 97; 0;38929
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 9; -193.6; 10-AUG-2009 17:34:43; Dark ; 59.0; 0; ; 0.00; 0;occ; 118; 0;38929
10; 121.3; 10-AUG-2009 17:39:57; Dark ; 48.5; 157; The1Eri ; 2.91; 9300;occ; 97; 0;38930
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 2; 1583.6; 10-AUG-2009 16:23:44; Bright; 46.0; 142; 49Del Cap ; 2.85; 8900;occ; 92; 0;38929
 3; 1804.2; 10-AUG-2009 16:27:24; Bright; 64.0; 154; 22Bet Aqr ; 2.90; 5700;occ; 128; 0;38929
 4; 1946.3; 10-AUG-2009 16:29:46; Bright; 25.0; 162; 34Alp Aqr ; 2.94; 5350;occ; 50; 0;38929
 5; 2144.2; 10-AUG-2009 16:33:04; Bright; 50.0; 61; 8Eps Peg ; 2.10; 3900;occ; 100; 0;38929
 6; 2522.5; 10-AUG-2009 16:39:23; Bright; 39.0; 92; 53Eps Cyg ; 2.50; 4500;occ; 78; 0;38929
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 19; 5073.5; 10-AUG-2009 17:21:54; Dark ; 45.0; 72; 34Del Ori ; 2.25; 30000;occ; 90; 0;38929
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 23; 6157.3; 10-AUG-2009 17:39:57; Dark ; 48.5; 157; The1Eri ; 2.91; 9300;occ; 97; 0;38929
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 17; 4855.2; 10-AUG-2009 18:58:51; Dark ; 69.5; 13; 87Alp Tau ; 0.87; 3800;occ; 139; 0;38930
 18; 4966.3; 10-AUG-2009 19:00:42; Dark ; 47.5; 27; 24Gam Ori ; 1.64; 26000;occ; 95; 0;38930
 19; 5073.9; 10-AUG-2009 19:02:30; Dark ; 43.0; 72; 34Del Ori ; 2.25; 30000;occ; 86; 0;38930
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 21; 5608.4; 10-AUG-2009 19:11:25; Dark ; 69.5; 165; 34Gam Eri ; 2.95; 3200;occ; 139; 0;38930
 22; 5843.3; 10-AUG-2009 19:15:19; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;38930
 23; 6158.5; 10-AUG-2009 19:20:35; Dark ; 49.5; 157; The1Eri ; 2.91; 9300;occ; 99; 0;38930
 24; 6769.3; 10-AUG-2009 19:30:45; Dark ; 64.5; 84; Alp Phe ; 2.40; 4500;occ; 129; 0;38930

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 3; 125.7; 11-AUG-2009 00:22:25; Dark ; 51.5; 157; The1Eri ; 2.91; 9300;occ; 103; 0;38934
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 6; 1584.0; 11-AUG-2009 00:46:44; Bright; 45.5; 142; 49Del Cap ; 2.85; 8900;occ; 91; 0;38934
 7; 1803.6; 11-AUG-2009 00:50:23; Bright; 42.5; 154; 22Bet Aqr ; 2.90; 5700;occ; 85; 0;38934
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 9; 2141.7; 11-AUG-2009 00:56:01; Bright; 50.0; 61; 8Eps Peg ; 2.10; 3900;occ; 100; 0;38934
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 13; 3363.2; 11-AUG-2009 01:16:23; Bright; 45.5; 74; 11Bet Cas ; 2.27; 6600;occ; 91; 0;38934
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 17; 4198.4; 11-AUG-2009 01:30:18; Bright; 59.0; 6; 13Alp Aur ; 0.08; 3400;occ; 118; 0;38934
 18; 4539.2; 11-AUG-2009 01:35:59; Dark ; 50.5; 28; 12Bet Tau ; 1.65; 15200;occ; 101; 0;38934
 19; 4673.9; 11-AUG-2009 01:38:14; Dark ; 44.0; 176; 23Zet Tau ; 3.02; 22000;occ; 88; 0;38934
 20; 4857.3; 11-AUG-2009 01:41:17; Dark ; 76.0; 13; 87Alp Tau ; 0.87; 3800;occ; 152; 0;38934
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 22; 5083.8; 11-AUG-2009 01:45:04; Dark ; 48.0; 30; 46Eps Ori ; 1.69; 30000;occ; 96; 0;38934

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5; 126.9; 11-AUG-2009 02:03:03; Dark ; 49.0; 157; The1Eri ; 2.91; 9300;occ; 98; 0;38935
6; 737.1; 11-AUG-2009 02:13:13; Dark ; 55.5; 84; Alp Phe ; 2.40; 4500;occ; 111; 0;38935
7; 1218.7; 11-AUG-2009 02:21:14; Dark ; 55.0; 18; 24Alp PsA ; 1.17; 9700;occ; 110; 0;38935
8; 1584.2; 11-AUG-2009 02:27:20; Bright; 64.0; 142; 49Del Cap ; 2.85; 8900;occ; 128; 0;38935
9; 1803.5; 11-AUG-2009 02:30:59; Bright; 44.0; 154; 22Bet Aqr ; 2.90; 5700;occ; 88; 0;38935
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11; 2141.1; 11-AUG-2009 02:36:37; Bright; 50.0; 61; 8Eps Peg ; 2.10; 3900;occ; 100; 0;38935
12; 2520.6; 11-AUG-2009 02:42:56; Bright; 40.5; 92; 53Eps Cyg ; 2.50; 4500;occ; 81; 0;38935
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16; 3492.8; 11-AUG-2009 02:59:08; Bright; 49.0; 76; 27Gam Cas ; 2.30; 30000;occ; 98; 0;38935
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3; -1837.5; 11-AUG-2009 03:10:54; Bright; 44.0; 6; 13Alp Aur ; 0.08; 3400;occ; 88; 0;38935
4; -1496.5; 11-AUG-2009 03:16:35; Dark ; 49.5; 28; 12Bet Tau ; 1.65; 15200;occ; 99; 0;38935
5; -1361.8; 11-AUG-2009 03:18:50; Dark ; 43.5; 176; 23Zet Tau ; 3.02; 22000;occ; 87; 0;38935
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8; -951.4; 11-AUG-2009 03:25:40; Dark ; 43.5; 30; 46Eps Ori ; 1.69; 30000;occ; 87; 0;38935
9; -784.6; 11-AUG-2009 03:28:27; Dark ; 54.5; 7; 19Bet Ori ; 0.10; 14000;occ; 109; 0;38935
10; -420.5; 11-AUG-2009 03:34:31; Dark ; 66.5; 165; 34Gam Eri ; 2.95; 3200;occ; 133; 0;38935
11; -188.3; 11-AUG-2009 03:38:23; Dark ; 59.0; 0; ; 0.00; 0;occ; 118; 0;38935
12; 128.0; 11-AUG-2009 03:43:40; Dark ; 50.0; 157; The1Eri ; 2.91; 9300;occ; 100; 0;38936
13; 738.1; 11-AUG-2009 03:53:50; Dark ; 53.5; 84; Alp Phe ; 2.40; 4500;occ; 107; 0;38936
14; 1219.3; 11-AUG-2009 04:01:51; Dark ; 56.5; 18; 24Alp PsA ; 1.17; 9700;occ; 113; 0;38936
15; 1584.4; 11-AUG-2009 04:07:56; Bright; 44.5; 142; 49Del Cap ; 2.85; 8900;occ; 89; 0;38936
16; 1803.6; 11-AUG-2009 04:11:35; Bright; 45.0; 154; 22Bet Aqr ; 2.90; 5700;occ; 90; 0;38936
17; 1943.7; 11-AUG-2009 04:13:55; Bright; 50.5; 162; 34Alp Aqr ; 2.94; 5350;occ; 101; 0;38936
18; 2140.9; 11-AUG-2009 04:17:12; Bright; 49.0; 61; 8Eps Peg ; 2.10; 3900;occ; 98; 0;38936
19; 2520.3; 11-AUG-2009 04:23:32; Bright; 40.5; 92; 53Eps Cyg ; 2.50; 4500;occ; 81; 0;38936
20; 2712.1; 11-AUG-2009 04:26:44; Bright; 39.0; 19; 50Alp Cyg ; 1.25; 10500;occ; 78; 0;38936
21; 3037.0; 11-AUG-2009 04:32:09; Bright; 38.0; 89; 5Alp Cep ; 2.45; 8000;occ; 76; 0;38936
22; 3361.8; 11-AUG-2009 04:37:33; Bright; 49.5; 74; 11Bet Cas ; 2.27; 6600;occ; 99; 0;38936
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3; -1837.6; 11-AUG-2009 04:51:30; Bright; 47.5; 6; 13Alp Aur ; 0.08; 3400;occ; 95; 0;38936
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5; -1361.4; 11-AUG-2009 04:59:26; Dark ; 43.0; 176; 23Zet Tau ; 3.02; 22000;occ; 86; 0;38936
6; -1177.3; 11-AUG-2009 05:02:30; Dark ; 70.5; 13; 87Alp Tau ; 0.87; 3800;occ; 141; 0;38936
7; -1066.7; 11-AUG-2009 05:04:21; Dark ; 47.5; 27; 24Gam Ori ; 1.64; 26000;occ; 95; 0;38936
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9; -783.8; 11-AUG-2009 05:09:04; Dark ; 60.5; 7; 19Bet Ori ; 0.10; 14000;occ; 121; 0;38936
10; -419.1; 11-AUG-2009 05:15:09; Dark ; 67.0; 165; 34Gam Eri ; 2.95; 3200;occ; 134; 0;38936
11; -187.4; 11-AUG-2009 05:19:00; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;38936
12; 129.0; 11-AUG-2009 05:24:17; Dark ; 50.5; 157; The1Eri ; 2.91; 9300;occ; 101; 0;38937
13; 738.9; 11-AUG-2009 05:34:26; Dark ; 57.0; 84; Alp Phe ; 2.40; 4500;occ; 114; 0;38937
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15; 1584.4; 11-AUG-2009 05:48:32; Bright; 44.5; 142; 49Del Cap ; 2.85; 8900;occ; 89; 0;38937
16; 1803.6; 11-AUG-2009 05:52:11; Bright; 45.5; 154; 22Bet Aqr ; 2.90; 5700;occ; 91; 0;38937
17; 1943.4; 11-AUG-2009 05:54:31; Bright; 51.0; 162; 34Alp Aqr ; 2.94; 5350;occ; 102; 0;38937
18; 2140.3; 11-AUG-2009 05:57:48; Bright; 48.0; 61; 8Eps Peg ; 2.10; 3900;occ; 96; 0;38937
19; 2520.3; 11-AUG-2009 06:04:08; Bright; 40.5; 92; 53Eps Cyg ; 2.50; 4500;occ; 81; 0;38937
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22; 3361.1; 11-AUG-2009 06:18:09; Bright; 49.5; 74; 11Bet Cas ; 2.27; 6600;occ; 99; 0;38937
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2; 1585.4; 11-AUG-2009 20:53:56; Bright; 54.0; 142; 49Del Cap ; 2.85; 8900;occ; 108; 0;38946
3; 1802.7; 11-AUG-2009 20:57:34; Bright; 44.0; 154; 22Bet Aqr ; 2.90; 5700;occ; 88; 0;38946

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5; 2136.5; 11-AUG-2009 21:03:08; Bright; 46.5; 61; 8Eps Peg ; 2.10; 3900;occ; 93; 0;38946
6; 2517.3; 11-AUG-2009 21:09:28; Bright; 40.5; 92; 53Eps Cyg ; 2.50; 4500;occ; 81; 0;38946
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9; 3353.7; 11-AUG-2009 21:23:25; Bright; 50.0; 74; 11Bet Cas ; 2.27; 6600;occ; 100; 0;38946
10; 3484.7; 11-AUG-2009 21:25:36; Bright; 47.5; 76; 27Gam Cas ; 2.30; 30000;occ; 95; 0;38946
11; 3910.7; 11-AUG-2009 21:32:42; Bright; 59.5; 160; 23Gam Per ; 2.93; 4700;occ; 119; 0;38946
12; 4024.1; 11-AUG-2009 21:34:35; Bright; 42.0; 35; 33Alp Per ; 1.79; 6250;occ; 84; 0;38946
13; 4098.3; 11-AUG-2009 21:35:49; Bright; 50.0; 175; 39Del Per ; 3.01; 19400;occ; 100; 0;38946
14; 4541.6; 11-AUG-2009 21:43:13; Dark ; 49.0; 28; 12Bet Tau ; 1.65; 15200;occ; 98; 0;38946
15; 4677.2; 11-AUG-2009 21:45:28; Dark ; 44.0; 176; 23Zet Tau ; 3.02; 22000;occ; 88; 0;38946
16; 4864.4; 11-AUG-2009 21:48:35; Dark ; 69.5; 13; 87Alp Tau ; 0.87; 3800;occ; 139; 0;38946
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9; 1939.9; 11-AUG-2009 22:40:27; Bright; 51.5; 162; 34Alp Aqr ; 2.94; 5350;occ; 103; 0;38947
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11; 2517.3; 11-AUG-2009 22:50:04; Bright; 38.0; 92; 53Eps Cyg ; 2.50; 4500;occ; 76; 0;38947
12; 2709.1; 11-AUG-2009 22:53:16; Bright; 39.0; 19; 50Alp Cyg ; 1.25; 10500;occ; 78; 0;38947
13; 3033.5; 11-AUG-2009 22:58:40; Bright; 39.5; 89; 5Alp Cep ; 2.45; 8000;occ; 79; 0;38947
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18; 4098.0; 11-AUG-2009 23:16:25; Bright; 64.0; 175; 39Del Per ; 3.01; 19400;occ; 128; 0;38947
19; 4541.8; 11-AUG-2009 23:23:49; Dark ; 48.5; 28; 12Bet Tau ; 1.65; 15200;occ; 97; 0;38947
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22; 4974.7; 11-AUG-2009 23:31:02; Dark ; 50.5; 27; 24Gam Ori ; 1.64; 26000;occ; 101; 0;38947
23; 5090.4; 11-AUG-2009 23:32:57; Dark ; 47.0; 30; 46Eps Ori ; 1.69; 30000;occ; 94; 0;38947
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8; 1939.6; 12-AUG-2009 00:21:02; Bright; 51.0; 162; 34Alp Aqr ; 2.94; 5350;occ; 102; 0;38948
9; 2135.7; 12-AUG-2009 00:24:18; Bright; 47.5; 61; 8Eps Peg ; 2.10; 3900;occ; 95; 0;38948
10; 2516.8; 12-AUG-2009 00:30:40; Bright; 36.5; 92; 53Eps Cyg ; 2.50; 4500;occ; 73; 0;38948
11; 2708.9; 12-AUG-2009 00:33:52; Bright; 35.5; 19; 50Alp Cyg ; 1.25; 10500;occ; 71; 0;38948
12; 3033.3; 12-AUG-2009 00:39:16; Bright; 38.5; 89; 5Alp Cep ; 2.45; 8000;occ; 77; 0;38948
13; 3352.1; 12-AUG-2009 00:44:35; Bright; 46.0; 74; 11Bet Cas ; 2.27; 6600;occ; 92; 0;38948
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19; 4677.7; 12-AUG-2009 01:06:40; Dark ; 45.0; 176; 23Zet Tau ; 3.02; 22000;occ; 90; 0;38948
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21; 4975.2; 12-AUG-2009 01:11:38; Dark ; 50.0; 27; 24Gam Ori ; 1.64; 26000;occ; 100; 0;38948
22; 5091.0; 12-AUG-2009 01:13:34; Dark ; 46.5; 30; 46Eps Ori ; 1.69; 30000;occ; 93; 0;38948
23; 5174.4; 12-AUG-2009 01:14:57; Dark ; 45.0; 125; 44Iot Ori ; 2.77; 30000;occ; 90; 0;38948
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 3; 2140.2; 11-AUG-2009 07:38:24; Bright; 49.5; 61; 8Eps Peg ; 2.10; 3900;occ; 99; 0;38938
 4; 2519.7; 11-AUG-2009 07:44:43; Bright; 40.5; 92; 53Eps Cyg ; 2.50; 4500;occ; 81; 0;38938
 5; 2711.6; 11-AUG-2009 07:47:55; Bright; 39.0; 19; 50Alp Cyg ; 1.25; 10500;occ; 78; 0;38938
 6; 3036.3; 11-AUG-2009 07:53:20; Bright; 38.0; 89; 5Alp Cep ; 2.45; 8000;occ; 76; 0;38938
 7; 3360.2; 11-AUG-2009 07:58:44; Bright; 49.5; 74; 11Bet Cas ; 2.27; 6600;occ; 99; 0;38938
 8; 3490.8; 11-AUG-2009 08:00:54; Bright; 49.5; 76; 27Gam Cas ; 2.30; 30000;occ; 99; 0;38938
 9; 3914.8; 11-AUG-2009 08:07:58; Bright; 50.0; 160; 23Gam Per ; 2.93; 4700;occ; 100; 0;38938
 10; 4027.7; 11-AUG-2009 08:09:51; Bright; 55.5; 35; 33Alp Per ; 1.79; 6250;occ; 111; 0;38938
 11; 4198.4; 11-AUG-2009 08:12:42; Bright; 49.0; 6; 13Alp Aur ; 0.08; 3400;occ; 98; 0;38938
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 13; 4675.0; 11-AUG-2009 08:20:39; Dark ; 42.5; 176; 23Zet Tau ; 3.02; 22000;occ; 85; 0;38938
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 17; 5253.5; 11-AUG-2009 08:30:17; Dark ; 52.0; 7; 19Bet Ori ; 0.10; 14000;occ; 104; 0;38938
 18; 5619.8; 11-AUG-2009 08:36:23; Dark ; 62.5; 165; 34Gam Eri ; 2.95; 3200;occ; 125; 0;38938
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 21; 6776.7; 11-AUG-2009 08:55:40; Dark ; 55.5; 84; Alp Phe ; 2.40; 4500;occ; 111; 0;38938
 22; 7256.7; 11-AUG-2009 09:03:40; Dark ; 56.0; 18; 24Alp PsA ; 1.17; 9700;occ; 112; 0;38938
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 4; 2519.4; 11-AUG-2009 09:25:19; Bright; 39.5; 92; 53Eps Cyg ; 2.50; 4500;occ; 79; 0;38939
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 6; 3036.1; 11-AUG-2009 09:33:56; Bright; 57.0; 89; 5Alp Cep ; 2.45; 8000;occ; 114; 0;38939
 7; 3359.3; 11-AUG-2009 09:39:19; Bright; 49.0; 74; 11Bet Cas ; 2.27; 6600;occ; 98; 0;38939
 8; 3490.0; 11-AUG-2009 09:41:29; Bright; 48.5; 76; 27Gam Cas ; 2.30; 30000;occ; 97; 0;38939
 9; 3914.5; 11-AUG-2009 09:48:34; Bright; 51.0; 160; 23Gam Per ; 2.93; 4700;occ; 102; 0;38939
 10; 4027.4; 11-AUG-2009 09:50:27; Bright; 58.0; 35; 33Alp Per ; 1.79; 6250;occ; 116; 0;38939
 11; 4198.3; 11-AUG-2009 09:53:18; Bright; 45.0; 6; 13Alp Aur ; 0.08; 3400;occ; 90; 0;38939
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 13; 4675.3; 11-AUG-2009 10:01:15; Dark ; 43.5; 176; 23Zet Tau ; 3.02; 22000;occ; 87; 0;38939
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 16; 5086.5; 11-AUG-2009 10:08:06; Dark ; 46.0; 30; 46Eps Ori ; 1.69; 30000;occ; 92; 0;38939
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 18; 5621.2; 11-AUG-2009 10:17:01; Dark ; 72.5; 165; 34Gam Eri ; 2.95; 3200;occ; 145; 0;38939
 19; 5851.1; 11-AUG-2009 10:20:51; Dark ; 59.0; 0; ; 0.00; 0;occ; 118; 0;38939
 20; 6168.4; 11-AUG-2009 10:26:08; Dark ; 50.0; 157; The1Eri ; 2.91; 9300;occ; 100; 0;38939
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 22; 7257.3; 11-AUG-2009 10:44:17; Dark ; 54.0; 18; 24Alp PsA ; 1.17; 9700;occ; 108; 0;38939
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6; 3035.4; 11-AUG-2009 11:14:31; Bright; 40.5; 89; 5Alp Cep ; 2.45; 8000;occ; 81; 0;38940
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9; 3913.7; 11-AUG-2009 11:29:09; Bright; 70.5; 160; 23Gam Per ; 2.93; 4700;occ; 141; 0;38940
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11; 4100.5; 11-AUG-2009 11:32:16; Bright; 75.0; 175; 39Del Per ; 3.01; 19400;occ; 150; 0;38940
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13; 4675.3; 11-AUG-2009 11:41:51; Dark ; 44.0; 176; 23Zet Tau ; 3.02; 22000;occ; 88; 0;38940
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16; 5086.9; 11-AUG-2009 11:48:42; Dark ; 44.5; 30; 46Eps Ori ; 1.69; 30000;occ; 89; 0;38940
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22; 7257.7; 11-AUG-2009 12:24:53; Dark ; 55.0; 18; 24Alp PsA ; 1.17; 9700;occ; 110; 0;38940
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4; 2518.9; 11-AUG-2009 12:46:30; Bright; 39.0; 92; 53Eps Cyg ; 2.50; 4500;occ; 78; 0;38941
5; 2710.6; 11-AUG-2009 12:49:42; Bright; 56.0; 19; 50Alp Cyg ; 1.25; 10500;occ; 112; 0;38941
6; 3035.2; 11-AUG-2009 12:55:06; Bright; 39.5; 89; 5Alp Cep ; 2.45; 8000;occ; 79; 0;38941
7; 3357.8; 11-AUG-2009 13:00:29; Bright; 46.0; 74; 11Bet Cas ; 2.27; 6600;occ; 92; 0;38941
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6; 2710.6; 11-AUG-2009 14:30:18; Bright; 56.0; 19; 50Alp Cyg ; 1.25; 10500;occ; 112; 0;38942
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19; 6171.8; 11-AUG-2009 15:27:59; Dark ; 49.5; 157; The1Eri ; 2.91; 9300;occ; 99; 0;38942
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12; 4099.7; 11-AUG-2009 16:34:03; Bright; 48.5; 175; 39Del Per ; 3.01; 19400;occ; 97; 0;38943
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6; 2517.9; 11-AUG-2009 17:48:17; Bright; 38.5; 92; 53Eps Cyg ; 2.50; 4500;occ; 77; 0;38944
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4; 1940.6; 11-AUG-2009 19:19:16; Bright; 75.0; 162; 34Alp Aqr ; 2.94; 5350;occ; 150; 0;38945
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 9; 2135.4; 12-AUG-2009 02:04:54; Bright; 47.0; 61; 8Eps Peg ; 2.10; 3900;occ; 94; 0;38949
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 17; 1802.6; 12-AUG-2009 03:39:57; Bright; 43.5; 154; 22Bet Aqr ; 2.90; 5700;occ; 87; 0;38950
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8; 1935.6; 12-AUG-2009 22:08:45; Bright; 51.0; 162; 34Alp Aqr ; 2.94; 5350;occ; 102; 0;38961
9; 2130.4; 12-AUG-2009 22:12:00; Bright; 68.0; 61; 8Eps Peg ; 2.10; 3900;occ; 136; 0;38961
10; 2513.4; 12-AUG-2009 22:18:23; Bright; 38.0; 92; 53Eps Cyg ; 2.50; 4500;occ; 76; 0;38961
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13; 3473.5; 12-AUG-2009 22:34:23; Bright; 45.0; 76; 27Gam Cas ; 2.30; 30000;occ; 90; 0;38961
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15; 4093.2; 12-AUG-2009 22:44:43; Bright; 51.5; 175; 39Del Per ; 3.01; 19400;occ; 103; 0;38961
16; 4196.8; 12-AUG-2009 22:46:27; Bright; 48.0; 6; 13Alp Aur ; 0.08; 3400;occ; 96; 0;38961
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21; 5097.9; 12-AUG-2009 23:01:28; Dark ; 50.0; 30; 46Eps Ori ; 1.69; 30000;occ; 100; 0;38961
22; 5181.6; 12-AUG-2009 23:02:52; Dark ; 44.0; 125; 44Iot Ori ; 2.77; 30000;occ; 88; 0;38961
23; 5269.0; 12-AUG-2009 23:04:19; Dark ; 48.5; 7; 19Bet Ori ; 0.10; 14000;occ; 97; 0;38961

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3; 157.6; 12-AUG-2009 23:19:43; Dark ; 50.0; 157; The1Eri ; 2.91; 9300;occ; 100; 0;38962
4; 761.6; 12-AUG-2009 23:29:47; Dark ; 62.0; 84; Alp Phe ; 2.40; 4500;occ; 124; 0;38962
5; 1231.7; 12-AUG-2009 23:37:37; Dark ; 55.0; 18; 24Alp PsA ; 1.17; 9700;occ; 110; 0;38962
6; 1587.2; 12-AUG-2009 23:43:33; Bright; 44.5; 142; 49Del Cap ; 2.85; 8900;occ; 89; 0;38962
7; 1801.9; 12-AUG-2009 23:47:08; Bright; 43.0; 154; 22Bet Aqr ; 2.90; 5700;occ; 86; 0;38962
8; 1935.1; 12-AUG-2009 23:49:21; Bright; 50.5; 162; 34Alp Aqr ; 2.94; 5350;occ; 101; 0;38962
9; 2129.9; 12-AUG-2009 23:52:36; Bright; 47.0; 61; 8Eps Peg ; 2.10; 3900;occ; 94; 0;38962
10; 2513.1; 12-AUG-2009 23:58:59; Bright; 36.5; 92; 53Eps Cyg ; 2.50; 4500;occ; 73; 0;38962
11; 3029.0; 13-AUG-2009 00:07:35; Bright; 38.0; 89; 5Alp Cep ; 2.45; 8000;occ; 76; 0;38962
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15; 4092.7; 13-AUG-2009 00:25:18; Bright; 48.0; 175; 39Del Per ; 3.01; 19400;occ; 96; 0;38962
16; 4196.7; 13-AUG-2009 00:27:02; Bright; 49.0; 6; 13Alp Aur ; 0.08; 3400;occ; 98; 0;38962
17; 4544.7; 13-AUG-2009 00:32:50; Dark ; 50.0; 28; 12Bet Tau ; 1.65; 15200;occ; 100; 0;38962
18; 4681.7; 13-AUG-2009 00:35:07; Dark ; 47.0; 176; 23Zet Tau ; 3.02; 22000;occ; 94; 0;38962
19; 4874.3; 13-AUG-2009 00:38:20; Dark ; 79.0; 13; 87Alp Tau ; 0.87; 3800;occ; 158; 0;38962
20; 4982.3; 13-AUG-2009 00:40:08; Dark ; 50.0; 27; 24Gam Ori ; 1.64; 26000;occ; 100; 0;38962
21; 5098.4; 13-AUG-2009 00:42:04; Dark ; 45.5; 30; 46Eps Ori ; 1.69; 30000;occ; 91; 0;38962
22; 5182.1; 13-AUG-2009 00:43:28; Dark ; 45.5; 125; 44Iot Ori ; 2.77; 30000;occ; 91; 0;38962
23; 5269.7; 13-AUG-2009 00:44:55; Dark ; 52.5; 7; 19Bet Ori ; 0.10; 14000;occ; 105; 0;38962

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2;-2014.2; 12-AUG-2009 07:38:08; Bright; 29.0; 35; 33Alp Per ; 1.79; 6250;occ; 58; 0;38952
3;-1939.4; 12-AUG-2009 07:39:23; Bright; 76.0; 175; 39Del Per ; 3.01; 19400;occ; 152; 0;38952
4;-1493.2; 12-AUG-2009 07:46:49; Dark ; 46.5; 28; 12Bet Tau ; 1.65; 15200;occ; 93; 0;38952
5;-1357.0; 12-AUG-2009 07:49:05; Dark ; 43.5; 176; 23Zet Tau ; 3.02; 22000;occ; 87; 0;38952
6;-1167.7; 12-AUG-2009 07:52:15; Dark ; 65.5; 13; 87Alp Tau ; 0.87; 3800;occ; 131; 0;38952
7;-1058.7; 12-AUG-2009 07:54:04; Dark ; 44.0; 27; 24Gam Ori ; 1.64; 26000;occ; 88; 0;38952
8; -942.7; 12-AUG-2009 07:56:00; Dark ; 46.5; 30; 46Eps Ori ; 1.69; 30000;occ; 93; 0;38952
9; -859.2; 12-AUG-2009 07:57:23; Dark ; 44.0; 125; 44Iot Ori ; 2.77; 30000;occ; 88; 0;38952
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11; -395.7; 12-AUG-2009 08:05:07; Dark ; 49.0; 165; 34Gam Eri ; 2.95; 3200;occ; 98; 0;38952
12; -173.1; 12-AUG-2009 08:08:49; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;38952
13; 147.3; 12-AUG-2009 08:14:10; Dark ; 50.0; 157; The1Eri ; 2.91; 9300;occ; 100; 0;38953
14; 753.5; 12-AUG-2009 08:24:16; Dark ; 54.5; 84; Alp Phe ; 2.40; 4500;occ; 109; 0;38953
15; 1227.7; 12-AUG-2009 08:32:10; Dark ; 56.5; 18; 24Alp PsA ; 1.17; 9700;occ; 113; 0;38953
16; 1586.1; 12-AUG-2009 08:38:09; Bright; 44.0; 142; 49Del Cap ; 2.85; 8900;occ; 88; 0;38953

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3; 2133.6; 12-AUG-2009 08:47:16; Bright; 47.0; 61; 8Eps Peg ; 2.10; 3900;occ; 94; 0;38953
4; 2515.6; 12-AUG-2009 08:53:38; Bright; 42.5; 92; 53Eps Cyg ; 2.50; 4500;occ; 85; 0;38953
5; 2707.6; 12-AUG-2009 08:56:50; Bright; 56.0; 19; 50Alp Cyg ; 1.25; 10500;occ; 112; 0;38953
6; 3031.6; 12-AUG-2009 09:02:14; Bright; 38.0; 89; 5Alp Cep ; 2.45; 8000;occ; 76; 0;38953
7; 3348.1; 12-AUG-2009 09:07:31; Bright; 49.5; 74; 11Bet Cas ; 2.27; 6600;occ; 99; 0;38953
8; 3479.6; 12-AUG-2009 09:09:42; Bright; 46.5; 76; 27Gam Cas ; 2.30; 30000;occ; 93; 0;38953
9; 3907.0; 12-AUG-2009 09:16:49; Bright; 51.5; 160; 23Gam Per ; 2.93; 4700;occ; 103; 0;38953
10; 4021.3; 12-AUG-2009 09:18:44; Bright; 29.0; 35; 33Alp Per ; 1.79; 6250;occ; 58; 0;38953
11; 4096.2; 12-AUG-2009 09:19:59; Bright; 49.0; 175; 39Del Per ; 3.01; 19400;occ; 98; 0;38953
12; 4542.9; 12-AUG-2009 09:27:25; Dark ; 50.0; 28; 12Bet Tau ; 1.65; 15200;occ; 100; 0;38953
13; 4679.3; 12-AUG-2009 09:29:42; Dark ; 44.0; 176; 23Zet Tau ; 3.02; 22000;occ; 88; 0;38953
14; 4868.7; 12-AUG-2009 09:32:51; Dark ; 70.5; 13; 87Alp Tau ; 0.87; 3800;occ; 141; 0;38953
15; 4977.8; 12-AUG-2009 09:34:40; Dark ; 48.5; 27; 24Gam Ori ; 1.64; 26000;occ; 97; 0;38953
16; 5093.7; 12-AUG-2009 09:36:36; Dark ; 45.0; 30; 46Eps Ori ; 1.69; 30000;occ; 90; 0;38953
17; 5177.0; 12-AUG-2009 09:38:00; Dark ; 42.0; 125; 44Iot Ori ; 2.77; 30000;occ; 84; 0;38953
18; 5263.5; 12-AUG-2009 09:39:26; Dark ; 53.0; 7; 19Bet Ori ; 0.10; 14000;occ; 106; 0;38953
19; 5641.7; 12-AUG-2009 09:45:44; Dark ; 49.0; 165; 34Gam Eri ; 2.95; 3200;occ; 98; 0;38953
20; 5863.7; 12-AUG-2009 09:49:26; Dark ; 59.0; 0; ; 0.00; 0;occ; 118; 0;38953
21; 6184.3; 12-AUG-2009 09:54:47; Dark ; 49.0; 157; The1Eri ; 2.91; 9300;occ; 98; 0;38953
22; 6790.2; 12-AUG-2009 10:04:53; Dark ; 55.0; 84; Alp Phe ; 2.40; 4500;occ; 110; 0;38953
23; 7264.1; 12-AUG-2009 10:12:47; Dark ; 54.0; 18; 24Alp PsA ; 1.17; 9700;occ; 108; 0;38953
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2; 1937.6; 12-AUG-2009 10:24:36; Bright; 51.5; 162; 34Alp Aqr ; 2.94; 5350;occ; 103; 0;38954
3; 2133.2; 12-AUG-2009 10:27:52; Bright; 47.0; 61; 8Eps Peg ; 2.10; 3900;occ; 94; 0;38954


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4; 2515.2; 12-AUG-2009 10:34:14; Bright; 37.0; 92; 53Eps Cyg ; 2.50; 4500;occ; 74; 0;38954
5; 2707.3; 12-AUG-2009 10:37:26; Bright; 39.0; 19; 50Alp Cyg ; 1.25; 10500;occ; 78; 0;38954
6; 3031.3; 12-AUG-2009 10:42:50; Bright; 37.5; 89; 5Alp Cep ; 2.45; 8000;occ; 75; 0;38954
7; 3347.3; 12-AUG-2009 10:48:06; Bright; 48.5; 74; 11Bet Cas ; 2.27; 6600;occ; 97; 0;38954
8; 3478.8; 12-AUG-2009 10:50:17; Bright; 50.0; 76; 27Gam Cas ; 2.30; 30000;occ; 100; 0;38954
9; 3906.5; 12-AUG-2009 10:57:25; Bright; 51.5; 160; 23Gam Per ; 2.93; 4700;occ; 103; 0;38954
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11; 4095.7; 12-AUG-2009 11:00:34; Bright; 65.0; 175; 39Del Per ; 3.01; 19400;occ; 130; 0;38954
12; 4543.0; 12-AUG-2009 11:08:01; Dark ; 48.0; 28; 12Bet Tau ; 1.65; 15200;occ; 96; 0;38954
13; 4679.3; 12-AUG-2009 11:10:18; Dark ; 45.0; 176; 23Zet Tau ; 3.02; 22000;occ; 90; 0;38954
14; 4869.2; 12-AUG-2009 11:13:28; Dark ; 67.0; 13; 87Alp Tau ; 0.87; 3800;occ; 134; 0;38954
15; 4978.2; 12-AUG-2009 11:15:17; Dark ; 44.5; 27; 24Gam Ori ; 1.64; 26000;occ; 89; 0;38954
16; 5094.2; 12-AUG-2009 11:17:13; Dark ; 42.5; 30; 46Eps Ori ; 1.69; 30000;occ; 85; 0;38954
17; 5177.6; 12-AUG-2009 11:18:36; Dark ; 44.0; 125; 44Iot Ori ; 2.77; 30000;occ; 88; 0;38954
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19; 5643.2; 12-AUG-2009 11:26:22; Dark ; 42.0; 165; 34Gam Eri ; 2.95; 3200;occ; 84; 0;38954
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23; 7264.6; 12-AUG-2009 11:53:23; Dark ; 57.0; 18; 24Alp PsA ; 1.17; 9700;occ; 114; 0;38954
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3; 1937.4; 12-AUG-2009 12:05:12; Bright; 50.5; 162; 34Alp Aqr ; 2.94; 5350;occ; 101; 0;38955
4; 2132.9; 12-AUG-2009 12:08:27; Bright; 49.0; 61; 8Eps Peg ; 2.10; 3900;occ; 98; 0;38955
5; 2514.9; 12-AUG-2009 12:14:49; Bright; 38.0; 92; 53Eps Cyg ; 2.50; 4500;occ; 76; 0;38955
6; 2706.9; 12-AUG-2009 12:18:01; Bright; 56.0; 19; 50Alp Cyg ; 1.25; 10500;occ; 112; 0;38955
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9; 3478.1; 12-AUG-2009 12:30:52; Bright; 48.0; 76; 27Gam Cas ; 2.30; 30000;occ; 96; 0;38955
10; 3905.8; 12-AUG-2009 12:38:00; Bright; 49.0; 160; 23Gam Per ; 2.93; 4700;occ; 98; 0;38955
11; 4020.3; 12-AUG-2009 12:39:55; Bright; 25.0; 35; 33Alp Per ; 1.79; 6250;occ; 50; 0;38955
12; 4095.3; 12-AUG-2009 12:41:10; Bright; 76.0; 175; 39Del Per ; 3.01; 19400;occ; 152; 0;38955
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14; 4679.6; 12-AUG-2009 12:50:54; Dark ; 44.0; 176; 23Zet Tau ; 3.02; 22000;occ; 88; 0;38955
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22; 6187.0; 12-AUG-2009 13:16:01; Dark ; 49.0; 157; The1Eri ; 2.91; 9300;occ; 98; 0;38955
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3; 1937.0; 12-AUG-2009 13:45:47; Bright; 50.5; 162; 34Alp Aqr ; 2.94; 5350;occ; 101; 0;38956
4; 2132.5; 12-AUG-2009 13:49:03; Bright; 68.0; 61; 8Eps Peg ; 2.10; 3900;occ; 136; 0;38956
5; 2514.9; 12-AUG-2009 13:55:25; Bright; 57.0; 92; 53Eps Cyg ; 2.50; 4500;occ; 114; 0;38956
6; 2706.7; 12-AUG-2009 13:58:37; Bright; 39.5; 19; 50Alp Cyg ; 1.25; 10500;occ; 79; 0;38956
7; 3030.7; 12-AUG-2009 14:04:01; Bright; 39.5; 89; 5Alp Cep ; 2.45; 8000;occ; 79; 0;38956
8; 3345.9; 12-AUG-2009 14:09:16; Bright; 45.5; 74; 11Bet Cas ; 2.27; 6600;occ; 91; 0;38956
9; 3477.4; 12-AUG-2009 14:11:27; Bright; 48.5; 76; 27Gam Cas ; 2.30; 30000;occ; 97; 0;38956
10; 3905.3; 12-AUG-2009 14:18:35; Bright; 52.0; 160; 23Gam Per ; 2.93; 4700;occ; 104; 0;38956
11; 4095.1; 12-AUG-2009 14:21:45; Bright; 75.5; 175; 39Del Per ; 3.01; 19400;occ; 151; 0;38956
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13; 4543.6; 12-AUG-2009 14:29:14; Dark ; 48.0; 28; 12Bet Tau ; 1.65; 15200;occ; 96; 0;38956
14; 4680.1; 12-AUG-2009 14:31:30; Dark ; 42.0; 176; 23Zet Tau ; 3.02; 22000;occ; 84; 0;38956
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19; 5265.7; 12-AUG-2009 14:41:16; Dark ; 49.5; 7; 19Bet Ori ; 0.10; 14000;occ; 99; 0;38956
20; 5646.3; 12-AUG-2009 14:47:36; Dark ; 36.0; 165; 34Gam Eri ; 2.95; 3200;occ; 72; 0;38956
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 22; 4882.5; 13-AUG-2009 22:26:15; Dark ; 55.0; 13; 87Alp Tau ; 0.87; 3800;occ; 110; 0;38975
 23; 4989.0; 13-AUG-2009 22:28:02; Dark ; 50.5; 27; 24Gam Ori ; 1.64; 26000;occ; 101; 0;38975
 24; 5105.4; 13-AUG-2009 22:29:58; Dark ; 50.0; 30; 46Eps Ori ; 1.69; 30000;occ; 100; 0;38975

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4; 774.0; 13-AUG-2009 22:58:23; Dark ; 60.5; 84; Alp Phe ; 2.40; 4500;occ; 121; 0;38976
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7; 1801.0; 13-AUG-2009 23:15:30; Bright; 43.0; 154; 22Bet Aqr ; 2.90; 5700;occ; 86; 0;38976
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8; 3899.1; 13-AUG-2009 08:45:05; Bright; 52.5; 160; 23Gam Per ; 2.93; 4700;occ; 105; 0;38967
9; 4091.2; 13-AUG-2009 08:48:17; Bright; 48.0; 175; 39Del Per ; 3.01; 19400;occ; 96; 0;38967
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12; 4683.0; 13-AUG-2009 08:58:08; Dark ; 46.0; 176; 23Zet Tau ; 3.02; 22000;occ; 92; 0;38967
13; 4877.4; 13-AUG-2009 09:01:23; Dark ; 69.5; 13; 87Alp Tau ; 0.87; 3800;occ; 139; 0;38967
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7; 3468.3; 13-AUG-2009 10:18:30; Bright; 49.0; 76; 27Gam Cas ; 2.30; 30000;occ; 98; 0;38968
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2; 1801.3; 13-AUG-2009 14:52:30; Bright; 43.0; 154; 22Bet Aqr ; 2.90; 5700;occ; 86; 0;38971
3; 1932.6; 13-AUG-2009 14:54:42; Bright; 50.0; 162; 34Alp Aqr ; 2.94; 5350;occ; 100; 0;38971
4; 2126.5; 13-AUG-2009 14:57:55; Bright; 47.0; 61; 8Eps Peg ; 2.10; 3900;occ; 94; 0;38971
5; 2511.0; 13-AUG-2009 15:04:20; Bright; 37.5; 92; 53Eps Cyg ; 2.50; 4500;occ; 75; 0;38971
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7; 3334.0; 13-AUG-2009 15:18:03; Bright; 48.0; 74; 11Bet Cas ; 2.27; 6600;occ; 96; 0;38971
8; 3466.2; 13-AUG-2009 15:20:15; Bright; 48.5; 76; 27Gam Cas ; 2.30; 30000;occ; 97; 0;38971
9; 3897.1; 13-AUG-2009 15:27:26; Bright; 49.0; 160; 23Gam Per ; 2.93; 4700;occ; 98; 0;38971
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11; 4196.4; 13-AUG-2009 15:32:25; Bright; 61.0; 6; 13Alp Aur ; 0.08; 3400;occ; 122; 0;38971
12; 4364.5; 13-AUG-2009 15:35:14; Bright; 40.0; 107; 37The Aur ; 2.65; 11000;occ; 80; 0;38971
13; 4546.3; 13-AUG-2009 15:38:15; Dark ; 51.5; 28; 12Bet Tau ; 1.65; 15200;occ; 103; 0;38971
14; 4684.3; 13-AUG-2009 15:40:33; Dark ; 46.0; 176; 23Zet Tau ; 3.02; 22000;occ; 92; 0;38971
15; 4880.2; 13-AUG-2009 15:43:49; Dark ; 69.5; 13; 87Alp Tau ; 0.87; 3800;occ; 139; 0;38971
16; 4987.3; 13-AUG-2009 15:45:36; Dark ; 52.5; 27; 24Gam Ori ; 1.64; 26000;occ; 105; 0;38971
17; 5103.3; 13-AUG-2009 15:47:32; Dark ; 48.5; 30; 46Eps Ori ; 1.69; 30000;occ; 97; 0;38971
18; 5187.5; 13-AUG-2009 15:48:56; Dark ; 45.0; 125; 44Iot Ori ; 2.77; 30000;occ; 90; 0;38971
19; 5276.3; 13-AUG-2009 15:50:25; Dark ; 58.5; 7; 19Bet Ori ; 0.10; 14000;occ; 117; 0;38971
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21; 6205.0; 13-AUG-2009 16:05:54; Dark ; 50.0; 157; The1Eri ; 2.91; 9300;occ; 100; 0;38971
22; 6806.6; 13-AUG-2009 16:15:56; Dark ; 61.5; 84; Alp Phe ; 2.40; 4500;occ; 123; 0;38971
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2; 1588.0; 13-AUG-2009 16:29:33; Bright; 61.5; 142; 49Del Cap ; 2.85; 8900;occ; 123; 0;38972
3; 1801.3; 13-AUG-2009 16:33:06; Bright; 42.5; 154; 22Bet Aqr ; 2.90; 5700;occ; 85; 0;38972
4; 1932.2; 13-AUG-2009 16:35:17; Bright; 48.0; 162; 34Alp Aqr ; 2.94; 5350;occ; 96; 0;38972
5; 2126.1; 13-AUG-2009 16:38:31; Bright; 47.0; 61; 8Eps Peg ; 2.10; 3900;occ; 94; 0;38972
6; 2510.6; 13-AUG-2009 16:44:56; Bright; 38.0; 92; 53Eps Cyg ; 2.50; 4500;occ; 76; 0;38972
7; 3026.0; 13-AUG-2009 16:53:31; Bright; 39.5; 89; 5Alp Cep ; 2.45; 8000;occ; 79; 0;38972
8; 3333.1; 13-AUG-2009 16:58:38; Bright; 50.0; 74; 11Bet Cas ; 2.27; 6600;occ; 100; 0;38972
9; 3465.4; 13-AUG-2009 17:00:50; Bright; 48.0; 76; 27Gam Cas ; 2.30; 30000;occ; 96; 0;38972
10; 3896.5; 13-AUG-2009 17:08:01; Bright; 46.0; 160; 23Gam Per ; 2.93; 4700;occ; 92; 0;38972
11; 4089.4; 13-AUG-2009 17:11:14; Bright; 43.0; 175; 39Del Per ; 3.01; 19400;occ; 86; 0;38972
12; 4196.2; 13-AUG-2009 17:13:01; Bright; 47.0; 6; 13Alp Aur ; 0.08; 3400;occ; 94; 0;38972
13; 4364.6; 13-AUG-2009 17:15:50; Bright; 37.5; 107; 37The Aur ; 2.65; 11000;occ; 75; 0;38972
14; 4546.6; 13-AUG-2009 17:18:52; Dark ; 51.5; 28; 12Bet Tau ; 1.65; 15200;occ; 103; 0;38972
15; 4684.8; 13-AUG-2009 17:21:10; Dark ; 45.5; 176; 23Zet Tau ; 3.02; 22000;occ; 91; 0;38972
16; 4880.8; 13-AUG-2009 17:24:26; Dark ; 63.0; 13; 87Alp Tau ; 0.87; 3800;occ; 126; 0;38972
17; 4987.8; 13-AUG-2009 17:26:13; Dark ; 49.5; 27; 24Gam Ori ; 1.64; 26000;occ; 99; 0;38972
18; 5103.8; 13-AUG-2009 17:28:09; Dark ; 46.0; 30; 46Eps Ori ; 1.69; 30000;occ; 92; 0;38972
19; 5188.1; 13-AUG-2009 17:29:33; Dark ; 43.0; 125; 44Iot Ori ; 2.77; 30000;occ; 86; 0;38972
20; 5276.9; 13-AUG-2009 17:31:02; Dark ; 56.0; 7; 19Bet Ori ; 0.10; 14000;occ; 112; 0;38972
21; 5881.3; 13-AUG-2009 17:41:06; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;38972
22; 6206.1; 13-AUG-2009 17:46:31; Dark ; 51.5; 157; The1Eri ; 2.91; 9300;occ; 103; 0;38972
23; 6807.7; 13-AUG-2009 17:56:33; Dark ; 53.0; 84; Alp Phe ; 2.40; 4500;occ; 106; 0;38972
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2; 1588.1; 13-AUG-2009 18:10:09; Bright; 44.5; 142; 49Del Cap ; 2.85; 8900;occ; 89; 0;38973
3; 1801.3; 13-AUG-2009 18:13:42; Bright; 43.0; 154; 22Bet Aqr ; 2.90; 5700;occ; 86; 0;38973
4; 1931.9; 13-AUG-2009 18:15:53; Bright; 72.0; 162; 34Alp Aqr ; 2.94; 5350;occ; 144; 0;38973
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6; 2510.5; 13-AUG-2009 18:25:31; Bright; 37.5; 92; 53Eps Cyg ; 2.50; 4500;occ; 75; 0;38973
7; 3025.6; 13-AUG-2009 18:34:07; Bright; 39.5; 89; 5Alp Cep ; 2.45; 8000;occ; 79; 0;38973
8; 3332.2; 13-AUG-2009 18:39:13; Bright; 48.5; 74; 11Bet Cas ; 2.27; 6600;occ; 97; 0;38973
9; 3464.6; 13-AUG-2009 18:41:26; Bright; 49.0; 76; 27Gam Cas ; 2.30; 30000;occ; 98; 0;38973
10; 3895.9; 13-AUG-2009 18:48:37; Bright; 46.0; 160; 23Gam Per ; 2.93; 4700;occ; 92; 0;38973
11; 4088.8; 13-AUG-2009 18:51:50; Bright; 43.0; 175; 39Del Per ; 3.01; 19400;occ; 86; 0;38973
12; 4196.2; 13-AUG-2009 18:53:37; Bright; 47.5; 6; 13Alp Aur ; 0.08; 3400;occ; 95; 0;38973
13; 4364.6; 13-AUG-2009 18:56:26; Bright; 38.5; 107; 37The Aur ; 2.65; 11000;occ; 77; 0;38973
14; 4546.7; 13-AUG-2009 18:59:28; Dark ; 50.5; 28; 12Bet Tau ; 1.65; 15200;occ; 101; 0;38973
15; 4684.9; 13-AUG-2009 19:01:46; Dark ; 45.5; 176; 23Zet Tau ; 3.02; 22000;occ; 91; 0;38973
16; 4881.3; 13-AUG-2009 19:05:02; Dark ; 63.0; 13; 87Alp Tau ; 0.87; 3800;occ; 126; 0;38973
17; 4988.2; 13-AUG-2009 19:06:49; Dark ; 51.0; 27; 24Gam Ori ; 1.64; 26000;occ; 102; 0;38973

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19; 5188.3; 13-AUG-2009 19:10:09; Dark ; 45.0; 125; 44Iot Ori ; 2.77; 30000;occ; 90; 0;38973
20; 5277.5; 13-AUG-2009 19:11:38; Dark ; 56.0; 7; 19Bet Ori ; 0.10; 14000;occ; 112; 0;38973
21; 5882.2; 13-AUG-2009 19:21:43; Dark ; 59.0; 0; ; 0.00; 0;occ; 118; 0;38973
22; 6207.2; 13-AUG-2009 19:27:08; Dark ; 52.0; 157; The1Eri ; 2.91; 9300;occ; 104; 0;38973
23; 6808.5; 13-AUG-2009 19:37:10; Dark ; 61.5; 84; Alp Phe ; 2.40; 4500;occ; 123; 0;38973
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3; 774.7; 14-AUG-2009 00:38:59; Dark ; 56.5; 84; Alp Phe ; 2.40; 4500;occ; 113; 0;38977
4; 1238.7; 14-AUG-2009 00:46:43; Dark ; 56.5; 18; 24Alp PsA ; 1.17; 9700;occ; 113; 0;38977
5; 1588.6; 14-AUG-2009 00:52:33; Bright; 43.5; 142; 49Del Cap ; 2.85; 8900;occ; 87; 0;38977
6; 1800.9; 14-AUG-2009 00:56:05; Bright; 42.5; 154; 22Bet Aqr ; 2.90; 5700;occ; 85; 0;38977
7; 1930.6; 14-AUG-2009 00:58:15; Bright; 49.0; 162; 34Alp Aqr ; 2.94; 5350;occ; 98; 0;38977
8; 2124.0; 14-AUG-2009 01:01:29; Bright; 48.0; 61; 8Eps Peg ; 2.10; 3900;occ; 96; 0;38977
9; 2509.2; 14-AUG-2009 01:07:54; Bright; 56.0; 92; 53Eps Cyg ; 2.50; 4500;occ; 112; 0;38977
10; 3024.5; 14-AUG-2009 01:16:29; Bright; 38.0; 89; 5Alp Cep ; 2.45; 8000;occ; 76; 0;38977
11; 3329.0; 14-AUG-2009 01:21:34; Bright; 47.5; 74; 11Bet Cas ; 2.27; 6600;occ; 95; 0;38977
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13; 3893.7; 14-AUG-2009 01:30:58; Bright; 39.0; 160; 23Gam Per ; 2.93; 4700;occ; 78; 0;38977
14; 4087.5; 14-AUG-2009 01:34:12; Bright; 34.0; 175; 39Del Per ; 3.01; 19400;occ; 68; 0;38977
15; 4195.8; 14-AUG-2009 01:36:00; Bright; 47.5; 6; 13Alp Aur ; 0.08; 3400;occ; 95; 0;38977
16; 4364.9; 14-AUG-2009 01:38:50; Bright; 39.0; 107; 37The Aur ; 2.65; 11000;occ; 78; 0;38977
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21; 5106.4; 14-AUG-2009 01:51:11; Dark ; 46.5; 30; 46Eps Ori ; 1.69; 30000;occ; 93; 0;38977
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2; -845.3; 14-AUG-2009 01:52:35; Dark ; 46.0; 125; 44Iot Ori ; 2.77; 30000;occ; 92; 0;38977
3; -755.4; 14-AUG-2009 01:54:05; Dark ; 58.0; 7; 19Bet Ori ; 0.10; 14000;occ; 116; 0;38977
4; -150.1; 14-AUG-2009 02:04:10; Dark ; 59.0; 0; ; 0.00; 0;occ; 118; 0;38977
5; 175.7; 14-AUG-2009 02:09:36; Dark ; 50.0; 157; The1Eri ; 2.91; 9300;occ; 100; 0;38978
6; 775.8; 14-AUG-2009 02:19:36; Dark ; 56.0; 84; Alp Phe ; 2.40; 4500;occ; 112; 0;38978
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8; 1588.8; 14-AUG-2009 02:33:09; Bright; 44.5; 142; 49Del Cap ; 2.85; 8900;occ; 89; 0;38978
9; 1801.1; 14-AUG-2009 02:36:42; Bright; 40.5; 154; 22Bet Aqr ; 2.90; 5700;occ; 81; 0;38978
10; 1930.5; 14-AUG-2009 02:38:51; Bright; 49.5; 162; 34Alp Aqr ; 2.94; 5350;occ; 99; 0;38978
11; 2124.0; 14-AUG-2009 02:42:04; Bright; 47.5; 61; 8Eps Peg ; 2.10; 3900;occ; 95; 0;38978
12; 2509.0; 14-AUG-2009 02:48:29; Bright; 38.0; 92; 53Eps Cyg ; 2.50; 4500;occ; 76; 0;38978
13; 3024.0; 14-AUG-2009 02:57:04; Bright; 36.0; 89; 5Alp Cep ; 2.45; 8000;occ; 72; 0;38978
14; 3328.2; 14-AUG-2009 03:02:09; Bright; 45.5; 74; 11Bet Cas ; 2.27; 6600;occ; 91; 0;38978
15; 3460.6; 14-AUG-2009 03:04:21; Bright; 46.5; 76; 27Gam Cas ; 2.30; 30000;occ; 93; 0;38978
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4; -1671.0; 14-AUG-2009 03:19:25; Bright; 39.5; 107; 37The Aur ; 2.65; 11000;occ; 79; 0;38978
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6; -1349.9; 14-AUG-2009 03:24:47; Dark ; 46.0; 176; 23Zet Tau ; 3.02; 22000;occ; 92; 0;38978
7; -1151.4; 14-AUG-2009 03:28:05; Dark ; 43.0; 13; 87Alp Tau ; 0.87; 3800;occ; 86; 0;38978
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4; 1589.2; 14-AUG-2009 05:54:22; Bright; 44.5; 142; 49Del Cap ; 2.85; 8900;occ; 89; 0;38980
5; 1801.0; 14-AUG-2009 05:57:53; Bright; 41.0; 154; 22Bet Aqr ; 2.90; 5700;occ; 82; 0;38980
6; 1929.9; 14-AUG-2009 06:00:02; Bright; 49.5; 162; 34Alp Aqr ; 2.94; 5350;occ; 99; 0;38980
7; 2123.1; 14-AUG-2009 06:03:16; Bright; 66.0; 61; 8Eps Peg ; 2.10; 3900;occ; 132; 0;38980
8; 2508.7; 14-AUG-2009 06:09:41; Bright; 37.0; 92; 53Eps Cyg ; 2.50; 4500;occ; 74; 0;38980
9; 3023.5; 14-AUG-2009 06:18:16; Bright; 38.5; 89; 5Alp Cep ; 2.45; 8000;occ; 77; 0;38980

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5; 2119.9; 14-AUG-2009 21:08:36; Bright; 47.0; 61; 8Eps Peg ; 2.10; 3900;occ; 94; 0;38989
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13; 4689.3; 14-AUG-2009 21:51:25; Dark ; 45.5; 176; 23Zet Tau ; 3.02; 22000;occ; 91; 0;38989
14; 4924.6; 14-AUG-2009 21:55:21; Dark ; 50.5; 14; 58Alp Ori ; 0.87; 3000;occ; 101; 0;38989
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16; 5197.9; 14-AUG-2009 21:59:54; Dark ; 45.5; 125; 44Iot Ori ; 2.77; 30000;occ; 91; 0;38989
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6; -902.6; 17-AUG-2009 05:18:35; Dark ; 49.5; 30; 46Eps Ori ; 1.69; 30000;occ; 99; 0;39022
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11; 228.7; 17-AUG-2009 05:37:26; Dark ; 50.5; 157; The1Eri ; 2.91; 9300;occ; 101; 0;39023
12; 813.7; 17-AUG-2009 05:47:11; Dark ; 52.0; 84; Alp Phe ; 2.40; 4500;occ; 104; 0;39023
13; 1258.6; 17-AUG-2009 05:54:36; Dark ; 52.0; 18; 24Alp PsA ; 1.17; 9700;occ; 104; 0;39023
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18; 3293.1; 17-AUG-2009 06:28:30; Bright; 48.5; 74; 11Bet Cas ; 2.27; 6600;occ; 97; 0;39023
19; 3426.9; 17-AUG-2009 06:30:44; Bright; 48.0; 76; 27Gam Cas ; 2.30; 30000;occ; 96; 0;39023
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5; 2106.1; 17-AUG-2009 21:14:07; Bright; 43.5; 61; 8Eps Peg ; 2.10; 3900;occ; 87; 0;39032
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12; 4702.5; 17-AUG-2009 21:57:23; Dark ; 47.5; 176; 23Zet Tau ; 3.02; 22000;occ; 95; 0;39032
13; 4943.2; 17-AUG-2009 22:01:24; Dark ; 53.5; 14; 58Alp Ori ; 0.87; 3000;occ; 107; 0;39032
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4; -431.5; 17-AUG-2009 22:12:25; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;39032
5; 240.7; 17-AUG-2009 22:23:37; Dark ; 51.5; 157; The1Eri ; 2.91; 9300;occ; 103; 0;39033
6; 821.7; 17-AUG-2009 22:33:18; Dark ; 49.0; 84; Alp Phe ; 2.40; 4500;occ; 98; 0;39033
7; 1262.3; 17-AUG-2009 22:40:39; Dark ; 53.0; 18; 24Alp PsA ; 1.17; 9700;occ; 106; 0;39033
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11; 2105.8; 17-AUG-2009 22:54:42; Bright; 44.0; 61; 8Eps Peg ; 2.10; 3900;occ; 88; 0;39033
12; 3285.2; 17-AUG-2009 23:14:22; Bright; 46.5; 74; 11Bet Cas ; 2.27; 6600;occ; 93; 0;39033
13; 3375.9; 17-AUG-2009 23:15:53; Bright; 27.0; 68; 18Alp Cas ; 2.22; 4500;occ; 54; 0;39033
14; 3501.5; 17-AUG-2009 23:17:58; Bright; 61.0; 110; 37Del Cas ; 2.68; 8900;occ; 122; 0;39033
15; 4190.8; 17-AUG-2009 23:29:27; Bright; 51.0; 6; 13Alp Aur ; 0.08; 3400;occ; 102; 0;39033
16; 4368.8; 17-AUG-2009 23:32:25; Bright; 39.0; 107; 37The Aur ; 2.65; 11000;occ; 78; 0;39033
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21; 5226.0; 17-AUG-2009 23:46:43; Dark ; 48.0; 125; 44Iot Ori ; 2.77; 30000;occ; 96; 0;39033
22; 5324.7; 17-AUG-2009 23:48:21; Dark ; 38.0; 7; 19Bet Ori ; 0.10; 14000;occ; 76; 0;39033
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4; 242.0; 18-AUG-2009 00:04:15; Dark ; 51.0; 157; The1Eri ; 2.91; 9300;occ; 102; 0;39034
5; 822.7; 18-AUG-2009 00:13:55; Dark ; 61.5; 84; Alp Phe ; 2.40; 4500;occ; 123; 0;39034
6; 1262.7; 18-AUG-2009 00:21:15; Dark ; 51.5; 18; 24Alp PsA ; 1.17; 9700;occ; 103; 0;39034
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9; 1916.3; 18-AUG-2009 00:32:09; Bright; 46.5; 162; 34Alp Aqr ; 2.94; 5350;occ; 93; 0;39034
10; 2105.5; 18-AUG-2009 00:35:18; Bright; 43.0; 61; 8Eps Peg ; 2.10; 3900;occ; 86; 0;39034
11; 3284.3; 18-AUG-2009 00:54:57; Bright; 47.5; 74; 11Bet Cas ; 2.27; 6600;occ; 95; 0;39034
12; 3375.0; 18-AUG-2009 00:56:28; Bright; 29.0; 68; 18Alp Cas ; 2.22; 4500;occ; 58; 0;39034
13; 3500.3; 18-AUG-2009 00:58:33; Bright; 48.0; 110; 37Del Cas ; 2.68; 8900;occ; 96; 0;39034
14; 4190.9; 18-AUG-2009 01:10:03; Bright; 52.5; 6; 13Alp Aur ; 0.08; 3400;occ; 105; 0;39034
15; 4369.0; 18-AUG-2009 01:13:02; Bright; 40.0; 107; 37The Aur ; 2.65; 11000;occ; 80; 0;39034
16; 4558.4; 18-AUG-2009 01:16:11; Dark ; 50.5; 28; 12Bet Tau ; 1.65; 15200;occ; 101; 0;39034
17; 4703.4; 18-AUG-2009 01:18:36; Dark ; 47.5; 176; 23Zet Tau ; 3.02; 22000;occ; 95; 0;39034
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11; 230.1; 17-AUG-2009 07:18:03; Dark ; 51.0; 157; The1Eri ; 2.91; 9300;occ; 102; 0;39024
12; 814.6; 17-AUG-2009 07:27:48; Dark ; 56.0; 84; Alp Phe ; 2.40; 4500;occ; 112; 0;39024
13; 1259.0; 17-AUG-2009 07:35:12; Dark ; 50.5; 18; 24Alp PsA ; 1.17; 9700;occ; 101; 0;39024
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 7; 4368.3; 17-AUG-2009 08:27:02; Bright; 39.5; 107; 37The Aur ; 2.65; 11000;occ; 79; 0;39024
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13; 837.9; 19-AUG-2009 08:05:33; Dark ; 49.0; 84; Alp Phe ; 2.40; 4500;occ; 98; 0;39053
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13; 3261.8; 20-AUG-2009 03:12:32; Bright; 48.0; 74; 11Bet Cas ; 2.27; 6600;occ; 96; 0;39064
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17; 5676.0; 23-AUG-2009 19:03:54; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;39116
18; 6378.9; 23-AUG-2009 19:15:37; Dark ; 54.0; 157; The1Eri ; 2.91; 9300;occ; 108; 0;39116
19; 6921.8; 23-AUG-2009 19:24:40; Dark ; 48.0; 84; Alp Phe ; 2.40; 4500;occ; 96; 0;39116
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 4; 2573.0; 23-AUG-2009 19:52:47; Bright; 49.0; 164; 44Eta Peg ; 2.95; 5400;occ; 98; 0;39117
 5; 3222.8; 23-AUG-2009 20:03:37; Bright; 41.5; 74; 11Bet Cas ; 2.27; 6600;occ; 83; 0;39117
 6; 3356.4; 23-AUG-2009 20:05:51; Bright; 47.0; 76; 27Gam Cas ; 2.30; 30000;occ; 94; 0;39117
 7; 4180.0; 23-AUG-2009 20:19:34; Bright; 57.0; 6; 13Alp Aur ; 0.08; 3400;occ; 114; 0;39117
 8; 4374.0; 23-AUG-2009 20:22:48; Bright; 44.5; 107; 37The Aur ; 2.65; 11000;occ; 89; 0;39117
 9; 4576.3; 23-AUG-2009 20:26:11; Dark ; 58.0; 28; 12Bet Tau ; 1.65; 15200;occ; 116; 0;39117
10; 4751.8; 23-AUG-2009 20:29:06; Dark ; 43.0; 44; 24Gam Gem ; 1.93; 11000;occ; 86; 0;39117
11; 4987.3; 23-AUG-2009 20:33:02; Dark ; 61.5; 14; 58Alp Ori ; 0.87; 3000;occ; 123; 0;39117
12; 5084.2; 23-AUG-2009 20:34:39; Dark ; 63.0; 27; 24Gam Ori ; 1.64; 26000;occ; 126; 0;39117
13; 5201.7; 23-AUG-2009 20:36:36; Dark ; 56.0; 30; 46Eps Ori ; 1.69; 30000;occ; 112; 0;39117
14; 5291.3; 23-AUG-2009 20:38:06; Dark ; 52.0; 125; 44Iot Ori ; 2.77; 30000;occ; 104; 0;39117
15; 5406.3; 23-AUG-2009 20:40:01; Dark ; 59.5; 7; 19Bet Ori ; 0.10; 14000;occ; 119; 0;39117
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17; 5676.8; 23-AUG-2009 20:44:31; Dark ; 59.0; 0; ; 0.00; 0;occ; 118; 0;39117
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19; 6922.5; 23-AUG-2009 21:05:17; Dark ; 49.0; 84; Alp Phe ; 2.40; 4500;occ; 98; 0;39117
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 2; 1903.2; 23-AUG-2009 21:22:13; Bright; 42.0; 162; 34Alp Aqr ; 2.94; 5350;occ; 84; 0;39118

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 4; 2572.1; 23-AUG-2009 21:33:22; Bright; 47.0; 164; 44Eta Peg ; 2.95; 5400;occ; 94; 0;39118
 5; 3222.1; 23-AUG-2009 21:44:12; Bright; 46.0; 74; 11Bet Cas ; 2.27; 6600;occ; 92; 0;39118
 6; 3355.6; 23-AUG-2009 21:46:26; Bright; 48.0; 76; 27Gam Cas ; 2.30; 30000;occ; 96; 0;39118
 7; 4179.7; 23-AUG-2009 22:00:10; Bright; 56.5; 6; 13Alp Aur ; 0.08; 3400;occ; 113; 0;39118
 8; 4374.2; 23-AUG-2009 22:03:24; Bright; 45.0; 107; 37The Aur ; 2.65; 11000;occ; 90; 0;39118
 9; 4652.8; 23-AUG-2009 22:08:03; Dark ; 48.0; 151; 13Mu Gem ; 2.89; 3000;occ; 96; 0;39118
 10; 4752.1; 23-AUG-2009 22:09:42; Dark ; 47.0; 44; 24Gam Gem ; 1.93; 11000;occ; 94; 0;39118
 11; 4987.7; 23-AUG-2009 22:13:38; Dark ; 58.0; 14; 58Alp Ori ; 0.87; 3000;occ; 116; 0;39118
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 13; 5202.7; 23-AUG-2009 22:17:13; Dark ; 53.0; 30; 46Eps Ori ; 1.69; 30000;occ; 106; 0;39118

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 6; 345.4; 23-AUG-2009 22:36:51; Dark ; 50.5; 157; The1Eri ; 2.91; 9300;occ; 101; 0;39119
 7; 887.2; 23-AUG-2009 22:45:53; Dark ; 59.5; 84; Alp Phe ; 2.40; 4500;occ; 119; 0;39119
 8; 1294.1; 23-AUG-2009 22:52:40; Dark ; 49.0; 18; 24Alp PsA ; 1.17; 9700;occ; 98; 0;39119
 9; 1903.2; 23-AUG-2009 23:02:49; Bright; 42.0; 162; 34Alp Aqr ; 2.94; 5350;occ; 84; 0;39119
 10; 2087.3; 23-AUG-2009 23:05:53; Bright; 41.5; 61; 8Eps Peg ; 2.10; 3900;occ; 83; 0;39119
 11; 2571.4; 23-AUG-2009 23:13:57; Bright; 65.0; 164; 44Eta Peg ; 2.95; 5400;occ; 130; 0;39119
 12; 3221.3; 23-AUG-2009 23:24:47; Bright; 46.0; 74; 11Bet Cas ; 2.27; 6600;occ; 92; 0;39119
 13; 3354.8; 23-AUG-2009 23:27:01; Bright; 47.0; 76; 27Gam Cas ; 2.30; 30000;occ; 94; 0;39119
 14; 4179.7; 23-AUG-2009 23:40:46; Bright; 52.5; 6; 13Alp Aur ; 0.08; 3400;occ; 105; 0;39119
 15; 4374.1; 23-AUG-2009 23:44:00; Bright; 45.5; 107; 37The Aur ; 2.65; 11000;occ; 91; 0;39119
 16; 4653.1; 23-AUG-2009 23:48:39; Dark ; 55.5; 151; 13Mu Gem ; 2.89; 3000;occ; 111; 0;39119
 17; 4752.4; 23-AUG-2009 23:50:18; Dark ; 45.0; 44; 24Gam Gem ; 1.93; 11000;occ; 90; 0;39119
 18; 4988.3; 23-AUG-2009 23:54:14; Dark ; 63.0; 14; 58Alp Ori ; 0.87; 3000;occ; 126; 0;39119
 19; 5085.9; 23-AUG-2009 23:55:52; Dark ; 59.0; 27; 24Gam Ori ; 1.64; 26000;occ; 118; 0;39119
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 21; 5293.0; 23-AUG-2009 23:59:19; Dark ; 50.5; 125; 44Iot Ori ; 2.77; 30000;occ; 101; 0;39119
 22; 5408.4; 24-AUG-2009 00:01:14; Dark ; 0.0; 7; 19Bet Ori ; 0.10; 14000;occ; 101; 0;39119

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 4; 346.5; 24-AUG-2009 00:17:28; Dark ; 54.5; 157; The1Eri ; 2.91; 9300;occ; 109; 0;39120
 5; 888.0; 24-AUG-2009 00:26:30; Dark ; 52.0; 84; Alp Phe ; 2.40; 4500;occ; 104; 0;39120
 6; 1294.4; 24-AUG-2009 00:33:16; Dark ; 51.0; 18; 24Alp PsA ; 1.17; 9700;occ; 102; 0;39120
 7; 1902.8; 24-AUG-2009 00:43:25; Bright; 61.0; 162; 34Alp Aqr ; 2.94; 5350;occ; 122; 0;39120
 8; 2086.9; 24-AUG-2009 00:46:29; Bright; 42.5; 61; 8Eps Peg ; 2.10; 3900;occ; 85; 0;39120
 9; 2570.7; 24-AUG-2009 00:54:33; Bright; 46.5; 164; 44Eta Peg ; 2.95; 5400;occ; 93; 0;39120
 10; 3220.7; 24-AUG-2009 01:05:23; Bright; 41.5; 74; 11Bet Cas ; 2.27; 6600;occ; 83; 0;39120
 11; 3354.0; 24-AUG-2009 01:07:36; Bright; 45.5; 76; 27Gam Cas ; 2.30; 30000;occ; 91; 0;39120
 12; 4179.3; 24-AUG-2009 01:21:21; Bright; 53.5; 6; 13Alp Aur ; 0.08; 3400;occ; 107; 0;39120
 13; 4374.2; 24-AUG-2009 01:24:36; Bright; 41.5; 107; 37The Aur ; 2.65; 11000;occ; 83; 0;39120
 14; 4653.4; 24-AUG-2009 01:29:15; Dark ; 50.0; 151; 13Mu Gem ; 2.89; 3000;occ; 100; 0;39120
 15; 4752.6; 24-AUG-2009 01:30:54; Dark ; 47.0; 44; 24Gam Gem ; 1.93; 11000;occ; 94; 0;39120
 16; 4989.2; 24-AUG-2009 01:34:51; Dark ; 66.0; 14; 58Alp Ori ; 0.87; 3000;occ; 132; 0;39120
 17; 5086.7; 24-AUG-2009 01:36:29; Dark ; 60.0; 27; 24Gam Ori ; 1.64; 26000;occ; 120; 0;39120
 18; 5204.2; 24-AUG-2009 01:38:26; Dark ; 55.0; 30; 46Eps Ori ; 1.69; 30000;occ; 110; 0;39120

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 3; -626.4; 24-AUG-2009 01:41:51; Dark ; 62.0; 7; 19Bet Ori ; 0.10; 14000;occ; 124; 0;39120
 4; -472.0; 24-AUG-2009 01:44:26; Dark ; 52.0; 139; 9Bet Lep ; 2.83; 5600;occ; 104; 0;39120
 5; -356.3; 24-AUG-2009 01:46:21; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;39120
 6; 347.8; 24-AUG-2009 01:58:06; Dark ; 53.0; 157; The1Eri ; 2.91; 9300;occ; 106; 0;39121
 7; 888.6; 24-AUG-2009 02:07:06; Dark ; 60.0; 84; Alp Phe ; 2.40; 4500;occ; 120; 0;39121
 8; 1294.8; 24-AUG-2009 02:13:53; Dark ; 48.0; 18; 24Alp PsA ; 1.17; 9700;occ; 96; 0;39121
 9; 1902.7; 24-AUG-2009 02:24:01; Bright; 42.0; 162; 34Alp Aqr ; 2.94; 5350;occ; 84; 0;39121
 10; 2086.8; 24-AUG-2009 02:27:05; Bright; 58.0; 61; 8Eps Peg ; 2.10; 3900;occ; 116; 0;39121
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 12; 3219.9; 24-AUG-2009 02:45:58; Bright; 44.5; 74; 11Bet Cas ; 2.27; 6600;occ; 89; 0;39121
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4;-1283.0; 24-AUG-2009 03:11:31; Dark ; 45.0; 44; 24Gam Gem ; 1.93; 11000;occ; 90; 0;39121
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8; -712.2; 24-AUG-2009 03:21:02; Dark ; 50.0; 56; 53Kap Ori ; 2.07; 30000;occ; 100; 0;39121
9; -625.2; 24-AUG-2009 03:22:28; Dark ; 65.5; 7; 19Bet Ori ; 0.10; 14000;occ; 131; 0;39121
10; -471.1; 24-AUG-2009 03:25:03; Dark ; 50.5; 139; 9Bet Lep ; 2.83; 5600;occ; 101; 0;39121
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12; 349.1; 24-AUG-2009 03:38:43; Dark ; 53.5; 157; The1Eri ; 2.91; 9300;occ; 107; 0;39122
13; 889.4; 24-AUG-2009 03:47:43; Dark ; 54.0; 84; Alp Phe ; 2.40; 4500;occ; 108; 0;39122
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15; 1902.9; 24-AUG-2009 04:04:37; Bright; 43.5; 162; 34Alp Aqr ; 2.94; 5350;occ; 87; 0;39122
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17; 2569.2; 24-AUG-2009 04:15:43; Bright; 48.0; 164; 44Eta Peg ; 2.95; 5400;occ; 96; 0;39122
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3;-1381.7; 24-AUG-2009 06:31:04; Dark ; 46.5; 151; 13Mu Gem ; 2.89; 3000;occ; 93; 0;39123
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6; -829.0; 24-AUG-2009 06:40:17; Dark ; 55.5; 30; 46Eps Ori ; 1.69; 30000;occ; 111; 0;39123
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4; 3218.0; 24-AUG-2009 07:47:44; Bright; 44.0; 74; 11Bet Cas ; 2.27; 6600;occ; 88; 0;39124
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14; 5414.2; 24-AUG-2009 08:24:20; Dark ; 63.5; 7; 19Bet Ori ; 0.10; 14000;occ; 127; 0;39124
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3; 2567.1; 24-AUG-2009 09:17:29; Bright; 47.0; 164; 44Eta Peg ; 2.95; 5400;occ; 94; 0;39125
4; 3217.2; 24-AUG-2009 09:28:19; Bright; 45.5; 74; 11Bet Cas ; 2.27; 6600;occ; 91; 0;39125
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4; 4176.0; 25-AUG-2009 12:33:52; Bright; 53.5; 6; 13Alp Aur ; 0.08; 3400;occ; 107; 0;39141
5; 4375.3; 25-AUG-2009 12:37:12; Bright; 42.5; 107; 37The Aur ; 2.65; 11000;occ; 85; 0;39141
6; 4582.2; 25-AUG-2009 12:40:39; Dark ; 60.0; 28; 12Bet Tau ; 1.65; 15200;occ; 120; 0;39141

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8; 5001.7; 25-AUG-2009 12:47:38; Dark ; 57.5; 14; 58Alp Ori ; 0.87; 3000;occ; 115; 0;39141
9; 5105.1; 25-AUG-2009 12:49:21; Dark ; 62.0; 27; 24Gam Ori ; 1.64; 26000;occ; 124; 0;39141
10; 5222.2; 25-AUG-2009 12:51:18; Dark ; 55.0; 33; 50Zet Ori ; 1.77; 30000;occ; 110; 0;39141
11; 5312.9; 25-AUG-2009 12:52:49; Dark ; 52.5; 125; 44Iot Ori ; 2.77; 30000;occ; 105; 0;39141
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16; 6939.3; 25-AUG-2009 13:19:56; Dark ; 49.0; 84; Alp Phe ; 2.40; 4500;occ; 98; 0;39141
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3; 2555.3; 25-AUG-2009 13:47:27; Bright; 45.5; 164; 44Eta Peg ; 2.95; 5400;occ; 91; 0;39142
4; 3205.3; 25-AUG-2009 13:58:18; Bright; 42.0; 74; 11Bet Cas ; 2.27; 6600;occ; 84; 0;39142
5; 3338.0; 25-AUG-2009 14:00:30; Bright; 44.0; 76; 27Gam Cas ; 2.30; 30000;occ; 88; 0;39142
6; 4175.9; 25-AUG-2009 14:14:28; Bright; 55.5; 6; 13Alp Aur ; 0.08; 3400;occ; 111; 0;39142
7; 4375.5; 25-AUG-2009 14:17:48; Bright; 43.5; 107; 37The Aur ; 2.65; 11000;occ; 87; 0;39142
8; 4582.5; 25-AUG-2009 14:21:15; Dark ; 59.5; 28; 12Bet Tau ; 1.65; 15200;occ; 119; 0;39142
9; 4759.8; 25-AUG-2009 14:24:12; Dark ; 45.0; 44; 24Gam Gem ; 1.93; 11000;occ; 90; 0;39142
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11; 5105.9; 25-AUG-2009 14:29:58; Dark ; 62.5; 27; 24Gam Ori ; 1.64; 26000;occ; 125; 0;39142
12; 5223.1; 25-AUG-2009 14:31:55; Dark ; 53.0; 33; 50Zet Ori ; 1.77; 30000;occ; 106; 0;39142
13; 5314.0; 25-AUG-2009 14:33:26; Dark ; 51.0; 125; 44Iot Ori ; 2.77; 30000;occ; 102; 0;39142
14; 5407.9; 25-AUG-2009 14:35:00; Dark ; 63.5; 128; 67Bet Eri ; 2.78; 9700;occ; 127; 0;39142
15; 5524.1; 25-AUG-2009 14:36:56; Dark ; 49.5; 101; 11Alp Lep ; 2.58; 7000;occ; 99; 0;39142
16; 5700.5; 25-AUG-2009 14:39:53; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;39142
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5; 2552.4; 25-AUG-2009 20:29:48; Bright; 46.0; 164; 44Eta Peg ; 2.95; 5400;occ; 92; 0;39146
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3; -691.7; 25-AUG-2009 21:16:20; Dark ; 50.0; 56; 53Kap Ori ; 2.07; 30000;occ; 100; 0;39146
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5; -447.4; 25-AUG-2009 21:20:25; Dark ; 51.5; 139; 9Bet Lep ; 2.83; 5600;occ; 103; 0;39146
6; -331.5; 25-AUG-2009 21:22:20; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;39146
7; 379.8; 25-AUG-2009 21:34:12; Dark ; 53.0; 157; The1Eri ; 2.91; 9300;occ; 106; 0;39147
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21; 5227.8; 25-AUG-2009 22:55:00; Dark ; 59.5; 30; 46Eps Ori ; 1.69; 30000;occ; 119; 0;39147
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 9; 1900.2; 26-AUG-2009 01:20:44; Bright; 41.0; 162; 34Alp Aqr ; 2.94; 5350;occ; 82; 0;39149
 10; 2082.9; 26-AUG-2009 01:23:47; Bright; 57.0; 61; 8Eps Peg ; 2.10; 3900;occ; 114; 0;39149
 11; 2550.3; 26-AUG-2009 01:31:34; Bright; 45.5; 164; 44Eta Peg ; 2.95; 5400;occ; 91; 0;39149
 12; 3200.4; 26-AUG-2009 01:42:24; Bright; 41.5; 74; 11Bet Cas ; 2.27; 6600;occ; 83; 0;39149
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 14; 4174.6; 26-AUG-2009 01:58:38; Bright; 69.0; 6; 13Alp Aur ; 0.08; 3400;occ; 138; 0;39149
 15; 4375.5; 26-AUG-2009 02:01:59; Bright; 46.5; 107; 37The Aur ; 2.65; 11000;occ; 93; 0;39149
 16; 4584.1; 26-AUG-2009 02:05:28; Dark ; 62.0; 28; 12Bet Tau ; 1.65; 15200;occ; 124; 0;39149
 17; 4762.0; 26-AUG-2009 02:08:26; Dark ; 44.5; 44; 24Gam Gem ; 1.93; 11000;occ; 89; 0;39149
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 10; 1304.5; 26-AUG-2009 02:51:24; Dark ; 48.5; 18; 24Alp PsA ; 1.17; 9700;occ; 97; 0;39150
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 12; 2083.0; 26-AUG-2009 03:04:22; Bright; 42.0; 61; 8Eps Peg ; 2.10; 3900;occ; 84; 0;39150
 13; 2549.9; 26-AUG-2009 03:12:09; Bright; 47.0; 164; 44Eta Peg ; 2.95; 5400;occ; 94; 0;39150
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 3; -1451.6; 26-AUG-2009 03:46:04; Dark ; 59.0; 28; 12Bet Tau ; 1.65; 15200;occ; 118; 0;39150
 4; -1273.6; 26-AUG-2009 03:49:02; Dark ; 47.5; 44; 24Gam Gem ; 1.93; 11000;occ; 95; 0;39150
 5; -1028.4; 26-AUG-2009 03:53:07; Dark ; 69.0; 14; 58Alp Ori ; 0.87; 3000;occ; 138; 0;39150
 6; -922.7; 26-AUG-2009 03:54:53; Dark ; 64.0; 27; 24Gam Ori ; 1.64; 26000;occ; 128; 0;39150
 7; -805.3; 26-AUG-2009 03:56:50; Dark ; 58.5; 30; 46Eps Ori ; 1.69; 30000;occ; 117; 0;39150
 8; -688.3; 26-AUG-2009 03:58:47; Dark ; 52.5; 56; 53Kap Ori ; 2.07; 30000;occ; 105; 0;39150
 9; -591.4; 26-AUG-2009 04:00:24; Dark ; 65.5; 7; 19Bet Ori ; 0.10; 14000;occ; 131; 0;39150
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 12; 384.9; 26-AUG-2009 04:16:40; Dark ; 53.5; 157; The1Eri ; 2.91; 9300;occ; 107; 0;39151
 13; 909.5; 26-AUG-2009 04:25:25; Dark ; 53.5; 84; Alp Phe ; 2.40; 4500;occ; 107; 0;39151
 14; 1304.9; 26-AUG-2009 04:32:00; Dark ; 46.5; 18; 24Alp PsA ; 1.17; 9700;occ; 93; 0;39151
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 17; 2549.1; 26-AUG-2009 04:52:45; Bright; 46.5; 164; 44Eta Peg ; 2.95; 5400;occ; 93; 0;39151
 18; 3199.0; 26-AUG-2009 05:03:35; Bright; 47.0; 74; 11Bet Cas ; 2.27; 6600;occ; 94; 0;39151
 19; 3331.4; 26-AUG-2009 05:05:47; Bright; 46.0; 76; 27Gam Cas ; 2.30; 30000;occ; 92; 0;39151

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13; 910.3; 26-AUG-2009 06:06:02; Dark ; 49.0; 84; Alp Phe ; 2.40; 4500;occ; 98; 0;39152
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17; 2548.6; 26-AUG-2009 06:33:20; Bright; 46.5; 164; 44Eta Peg ; 2.95; 5400;occ; 93; 0;39152
18; 3198.4; 26-AUG-2009 06:44:10; Bright; 45.5; 74; 11Bet Cas ; 2.27; 6600;occ; 91; 0;39152
19; 3330.5; 26-AUG-2009 06:46:22; Bright; 47.5; 76; 27Gam Cas ; 2.30; 30000;occ; 95; 0;39152
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3; 1899.2; 26-AUG-2009 21:27:54; Bright; 59.0; 162; 34Alp Aqr ; 2.94; 5350;occ; 118; 0;39161
4; 2081.3; 26-AUG-2009 21:30:56; Bright; 38.5; 61; 8Eps Peg ; 2.10; 3900;occ; 77; 0;39161
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8; 4172.0; 26-AUG-2009 22:05:47; Bright; 58.5; 6; 13Alp Aur ; 0.08; 3400;occ; 117; 0;39161
9; 4376.0; 26-AUG-2009 22:09:11; Bright; 44.5; 107; 37The Aur ; 2.65; 11000;occ; 89; 0;39161
10; 4587.0; 26-AUG-2009 22:12:42; Dark ; 60.5; 28; 12Bet Tau ; 1.65; 15200;occ; 121; 0;39161
11; 4765.7; 26-AUG-2009 22:15:41; Dark ; 46.0; 44; 24Gam Gem ; 1.93; 11000;occ; 92; 0;39161
12; 5014.5; 26-AUG-2009 22:19:49; Dark ; 61.0; 14; 58Alp Ori ; 0.87; 3000;occ; 122; 0;39161
13; 5123.5; 26-AUG-2009 22:21:38; Dark ; 63.5; 27; 24Gam Ori ; 1.64; 26000;occ; 127; 0;39161
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3; -578.2; 26-AUG-2009 22:27:13; Dark ; 73.5; 7; 19Bet Ori ; 0.10; 14000;occ; 147; 0;39161
4; -432.5; 26-AUG-2009 22:29:38; Dark ; 54.0; 139; 9Bet Lep ; 2.83; 5600;occ; 108; 0;39161
5; -316.6; 26-AUG-2009 22:31:34; Dark ; 59.0; 0; ; 0.00; 0;occ; 118; 0;39161
6; 398.3; 26-AUG-2009 22:43:29; Dark ; 53.5; 157; The1Eri ; 2.91; 9300;occ; 107; 0;39162
7; 916.8; 26-AUG-2009 22:52:08; Dark ; 50.5; 84; Alp Phe ; 2.40; 4500;occ; 101; 0;39162
8; 1308.4; 26-AUG-2009 22:58:39; Dark ; 51.0; 18; 24Alp PsA ; 1.17; 9700;occ; 102; 0;39162
9; 1898.9; 26-AUG-2009 23:08:30; Bright; 40.0; 162; 34Alp Aqr ; 2.94; 5350;occ; 80; 0;39162
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11; 2542.0; 26-AUG-2009 23:19:13; Bright; 46.5; 164; 44Eta Peg ; 2.95; 5400;occ; 93; 0;39162
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13; 3323.1; 26-AUG-2009 23:32:14; Bright; 47.0; 76; 27Gam Cas ; 2.30; 30000;occ; 94; 0;39162
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16; 4587.2; 26-AUG-2009 23:53:18; Dark ; 61.0; 28; 12Bet Tau ; 1.65; 15200;occ; 122; 0;39162
17; 4766.1; 26-AUG-2009 23:56:17; Dark ; 43.5; 44; 24Gam Gem ; 1.93; 11000;occ; 87; 0;39162
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21; 5357.9; 27-AUG-2009 00:06:09; Dark ; 25.5; 56; 53Kap Ori ; 2.07; 30000;occ; 51; 0;39162
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7; 4375.7; 26-AUG-2009 10:24:59; Bright; 44.5; 107; 37The Aur ; 2.65; 11000;occ; 89; 0;39154
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2; 2546.3; 26-AUG-2009 11:35:06; Bright; 46.0; 164; 44Eta Peg ; 2.95; 5400;occ; 92; 0;39155
3; 3196.0; 26-AUG-2009 11:45:55; Bright; 43.5; 74; 11Bet Cas ; 2.27; 6600;occ; 87; 0;39155
4; 3328.3; 26-AUG-2009 11:48:08; Bright; 45.5; 76; 27Gam Cas ; 2.30; 30000;occ; 91; 0;39155
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6; 4375.7; 26-AUG-2009 12:05:35; Bright; 45.0; 107; 37The Aur ; 2.65; 11000;occ; 90; 0;39155
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9; 5010.6; 26-AUG-2009 12:16:10; Dark ; 62.5; 14; 58Alp Ori ; 0.87; 3000;occ; 125; 0;39155
10; 5117.8; 26-AUG-2009 12:17:57; Dark ; 60.0; 27; 24Gam Ori ; 1.64; 26000;occ; 120; 0;39155
11; 5235.1; 26-AUG-2009 12:19:54; Dark ; 56.5; 30; 46Eps Ori ; 1.69; 30000;occ; 113; 0;39155
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13; 5450.5; 26-AUG-2009 12:23:30; Dark ; 65.5; 7; 19Bet Ori ; 0.10; 14000;occ; 131; 0;39155
14; 5597.3; 26-AUG-2009 12:25:57; Dark ; 49.5; 139; 9Bet Lep ; 2.83; 5600;occ; 99; 0;39155
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16; 6426.9; 26-AUG-2009 12:39:46; Dark ; 53.0; 157; The1Eri ; 2.91; 9300;occ; 106; 0;39155
17; 6948.6; 26-AUG-2009 12:48:28; Dark ; 53.0; 84; Alp Phe ; 2.40; 4500;occ; 106; 0;39155
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 3; 2545.8; 26-AUG-2009 13:15:41; Bright; 44.5; 164; 44Eta Peg ; 2.95; 5400;occ; 89; 0;39156
 4; 3195.3; 26-AUG-2009 13:26:30; Bright; 67.0; 74; 11Bet Cas ; 2.27; 6600;occ; 134; 0;39156
 5; 4173.3; 26-AUG-2009 13:42:48; Bright; 56.0; 6; 13Alp Aur ; 0.08; 3400;occ; 112; 0;39156
 6; 4375.9; 26-AUG-2009 13:46:11; Bright; 43.0; 107; 37The Aur ; 2.65; 11000;occ; 86; 0;39156
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 9; 5011.4; 26-AUG-2009 13:56:46; Dark ; 58.5; 14; 58Alp Ori ; 0.87; 3000;occ; 117; 0;39156
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 12; 5352.6; 26-AUG-2009 14:02:28; Dark ; 52.0; 56; 53Kap Ori ; 2.07; 30000;occ; 104; 0;39156
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 14; 5598.3; 26-AUG-2009 14:06:33; Dark ; 54.0; 139; 9Bet Lep ; 2.83; 5600;occ; 108; 0;39156
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 16; 5715.4; 26-AUG-2009 15:49:06; Dark ; 59.0; 0; ; 0.00; 0;occ; 118; 0;39157
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 4; 2544.7; 26-AUG-2009 16:36:52; Bright; 47.0; 164; 44Eta Peg ; 2.95; 5400;occ; 94; 0;39158
 5; 3194.1; 26-AUG-2009 16:47:41; Bright; 43.0; 74; 11Bet Cas ; 2.27; 6600;occ; 86; 0;39158
 6; 3326.3; 26-AUG-2009 16:49:53; Bright; 47.0; 76; 27Gam Cas ; 2.30; 30000;occ; 94; 0;39158
 7; 4172.9; 26-AUG-2009 17:04:00; Bright; 57.0; 6; 13Alp Aur ; 0.08; 3400;occ; 114; 0;39158
 8; 4376.1; 26-AUG-2009 17:07:23; Bright; 44.5; 107; 37The Aur ; 2.65; 11000;occ; 89; 0;39158
 9; 4586.3; 26-AUG-2009 17:10:53; Dark ; 61.0; 28; 12Bet Tau ; 1.65; 15200;occ; 122; 0;39158
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 3; 2546.3; 26-AUG-2009 11:35:06; Bright; 46.0; 164; 44Eta Peg ; 2.95; 5400;occ; 92; 0;39155
 4; 3196.0; 26-AUG-2009 11:45:55; Bright; 43.5; 74; 11Bet Cas ; 2.27; 6600;occ; 87; 0;39155
 5; 3328.3; 26-AUG-2009 11:48:08; Bright; 45.5; 76; 27Gam Cas ; 2.30; 30000;occ; 91; 0;39155
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3; 2536.5; 27-AUG-2009 14:24:30; Bright; 44.5; 164; 44Eta Peg ; 2.95; 5400;occ; 89; 0;39171
4; 3185.4; 27-AUG-2009 14:35:19; Bright; 42.5; 74; 11Bet Cas ; 2.27; 6600;occ; 85; 0;39171
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5; 2282.6; 28-AUG-2009 05:25:40; Bright; 45.0; 90; 54Alp Peg ; 2.49; 11000;occ; 90; 0;39180
6; 2530.8; 28-AUG-2009 05:29:48; Bright; 67.0; 164; 44Eta Peg ; 2.95; 5400;occ; 134; 0;39180

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4; 421.7; 28-AUG-2009 06:35:15; Dark ; 55.0; 157; The1Eri ; 2.91; 9300;occ; 110; 0;39181
5; 929.2; 28-AUG-2009 06:43:43; Dark ; 48.0; 84; Alp Phe ; 2.40; 4500;occ; 96; 0;39181
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3; 2529.7; 28-AUG-2009 08:50:59; Bright; 45.5; 164; 44Eta Peg ; 2.95; 5400;occ; 91; 0;39182
4; 3177.8; 28-AUG-2009 09:01:47; Bright; 45.0; 74; 11Bet Cas ; 2.27; 6600;occ; 90; 0;39182
5; 3308.7; 28-AUG-2009 09:03:58; Bright; 47.5; 76; 27Gam Cas ; 2.30; 30000;occ; 95; 0;39182
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8; 4592.6; 28-AUG-2009 09:25:22; Dark ; 33.0; 28; 12Bet Tau ; 1.65; 15200;occ; 66; 0;39182
9; 4670.7; 28-AUG-2009 09:26:40; Dark ; 55.5; 151; 13Mu Gem ; 2.89; 3000;occ; 111; 0;39182
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15; 5625.0; 28-AUG-2009 09:42:34; Dark ; 53.0; 139; 9Bet Lep ; 2.83; 5600;occ; 106; 0;39182
16; 5741.0; 28-AUG-2009 09:44:30; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;39182
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3; 2529.1; 28-AUG-2009 10:31:34; Bright; 45.0; 164; 44Eta Peg ; 2.95; 5400;occ; 90; 0;39183
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6; 4167.9; 28-AUG-2009 10:58:53; Bright; 56.0; 6; 13Alp Aur ; 0.08; 3400;occ; 112; 0;39183
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13; 5376.9; 28-AUG-2009 11:19:02; Dark ; 52.0; 56; 53Kap Ori ; 2.07; 30000;occ; 104; 0;39183
14; 5486.5; 28-AUG-2009 11:20:52; Dark ; 73.0; 7; 19Bet Ori ; 0.10; 14000;occ; 146; 0;39183
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16; 5742.0; 28-AUG-2009 11:25:07; Dark ; 59.0; 0; ; 0.00; 0;occ; 118; 0;39183
17; 6461.3; 28-AUG-2009 11:37:06; Dark ; 54.5; 157; The1Eri ; 2.91; 9300;occ; 109; 0;39183
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4; 3176.4; 28-AUG-2009 12:22:57; Bright; 45.5; 74; 11Bet Cas ; 2.27; 6600;occ; 91; 0;39184
5; 3307.3; 28-AUG-2009 12:25:08; Bright; 47.5; 76; 27Gam Cas ; 2.30; 30000;occ; 95; 0;39184
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13; 5377.7; 28-AUG-2009 12:59:39; Dark ; 51.0; 56; 53Kap Ori ; 2.07; 30000;occ; 102; 0;39184
14; 5487.7; 28-AUG-2009 13:01:29; Dark ; 72.0; 7; 19Bet Ori ; 0.10; 14000;occ; 144; 0;39184
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 11; 5297.8; 30-AUG-2009 18:37:28; Dark ; 66.0; 30; 46Eps Ori ; 1.69; 30000;occ; 132; 0;39216
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3; 2502.7; 31-AUG-2009 20:40:28; Bright; 40.5; 164; 44Eta Peg ; 2.95; 5400;occ; 81; 0;39232
4; 3144.8; 31-AUG-2009 20:51:10; Bright; 43.0; 74; 11Bet Cas ; 2.27; 6600;occ; 86; 0;39232
5; 3273.2; 31-AUG-2009 20:53:19; Bright; 42.0; 76; 27Gam Cas ; 2.30; 30000;occ; 84; 0;39232
6; 4156.4; 31-AUG-2009 21:08:02; Bright; 60.5; 6; 13Alp Aur ; 0.08; 3400;occ; 121; 0;39232
7; 4378.1; 31-AUG-2009 21:11:43; Bright; 49.0; 107; 37The Aur ; 2.65; 11000;occ; 98; 0;39232
8; 4686.1; 31-AUG-2009 21:16:51; Dark ; 53.5; 151; 13Mu Gem ; 2.89; 3000;occ; 107; 0;39232
9; 4791.6; 31-AUG-2009 21:18:37; Dark ; 48.5; 44; 24Gam Gem ; 1.93; 11000;occ; 97; 0;39232
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3; -415.8; 31-AUG-2009 21:32:25; Dark ; 55.0; 101; 11Alp Lep ; 2.58; 7000;occ; 110; 0;39232
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5; 485.0; 31-AUG-2009 21:47:26; Dark ; 56.0; 157; The1Eri ; 2.91; 9300;occ; 112; 0;39233
6; 961.1; 31-AUG-2009 21:55:22; Dark ; 46.0; 84; Alp Phe ; 2.40; 4500;occ; 92; 0;39233
7; 1329.3; 31-AUG-2009 22:01:31; Dark ; 47.0; 18; 24Alp PsA ; 1.17; 9700;occ; 94; 0;39233
8; 2251.0; 31-AUG-2009 22:16:52; Bright; 70.0; 90; 54Alp Peg ; 2.49; 11000;occ; 140; 0;39233
9; 2502.2; 31-AUG-2009 22:21:03; Bright; 43.5; 164; 44Eta Peg ; 2.95; 5400;occ; 87; 0;39233
10; 3144.0; 31-AUG-2009 22:31:45; Bright; 45.0; 74; 11Bet Cas ; 2.27; 6600;occ; 90; 0;39233
11; 3272.4; 31-AUG-2009 22:33:54; Bright; 45.5; 76; 27Gam Cas ; 2.30; 30000;occ; 91; 0;39233
12; 4156.1; 31-AUG-2009 22:48:37; Bright; 61.0; 6; 13Alp Aur ; 0.08; 3400;occ; 122; 0;39233
13; 4378.1; 31-AUG-2009 22:52:19; Bright; 48.0; 107; 37The Aur ; 2.65; 11000;occ; 96; 0;39233
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15; 4791.8; 31-AUG-2009 22:59:13; Dark ; 47.5; 44; 24Gam Gem ; 1.93; 11000;occ; 95; 0;39233
16; 5067.4; 31-AUG-2009 23:03:49; Dark ; 74.5; 14; 58Alp Ori ; 0.87; 3000;occ; 149; 0;39233
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5; 961.6; 31-AUG-2009 23:35:59; Dark ; 48.0; 84; Alp Phe ; 2.40; 4500;occ; 96; 0;39234
6; 1329.5; 31-AUG-2009 23:42:07; Dark ; 45.5; 18; 24Alp PsA ; 1.17; 9700;occ; 91; 0;39234
7; 2250.3; 31-AUG-2009 23:57:27; Bright; 47.0; 90; 54Alp Peg ; 2.49; 11000;occ; 94; 0;39234
8; 2501.6; 01-SEP-2009 00:01:39; Bright; 44.0; 164; 44Eta Peg ; 2.95; 5400;occ; 88; 0;39234
9; 3143.7; 01-SEP-2009 00:12:21; Bright; 41.5; 74; 11Bet Cas ; 2.27; 6600;occ; 83; 0;39234
10; 3271.6; 01-SEP-2009 00:14:29; Bright; 47.0; 76; 27Gam Cas ; 2.30; 30000;occ; 94; 0;39234
11; 4155.9; 01-SEP-2009 00:29:13; Bright; 64.0; 6; 13Alp Aur ; 0.08; 3400;occ; 128; 0;39234
12; 4378.0; 01-SEP-2009 00:32:55; Bright; 47.5; 107; 37The Aur ; 2.65; 11000;occ; 95; 0;39234
13; 4686.7; 01-SEP-2009 00:38:04; Dark ; 54.5; 151; 13Mu Gem ; 2.89; 3000;occ; 109; 0;39234
14; 4792.4; 01-SEP-2009 00:39:49; Dark ; 48.5; 44; 24Gam Gem ; 1.93; 11000;occ; 97; 0;39234
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2; -1658.0; 31-AUG-2009 06:06:20; Bright; 46.0; 107; 37The Aur ; 2.65; 11000;occ; 92; 0;39223
3; -1352.6; 31-AUG-2009 06:11:25; Dark ; 52.0; 151; 13Mu Gem ; 2.89; 3000;occ; 104; 0;39223
4; -1247.7; 31-AUG-2009 06:13:10; Dark ; 47.0; 44; 24Gam Gem ; 1.93; 11000;occ; 94; 0;39223
5; -976.6; 31-AUG-2009 06:17:41; Dark ; 73.5; 14; 58Alp Ori ; 0.87; 3000;occ; 147; 0;39223
6; -730.1; 31-AUG-2009 06:21:48; Dark ; 66.0; 30; 46Eps Ori ; 1.69; 30000;occ; 132; 0;39223
7; -594.0; 31-AUG-2009 06:24:04; Dark ; 47.0; 47; 2Bet CMA ; 1.98; 28000;occ; 94; 0;39223
8; -426.7; 31-AUG-2009 06:26:51; Dark ; 58.0; 101; 11Alp Lep ; 2.58; 7000;occ; 116; 0;39223
9; -250.2; 31-AUG-2009 06:29:48; Dark ; 59.0; 0; ; 0.00; 0;occ; 118; 0;39223
10; 474.1; 31-AUG-2009 06:41:52; Dark ; 56.5; 157; The1Eri ; 2.91; 9300;occ; 113; 0;39224
11; 955.8; 31-AUG-2009 06:49:54; Dark ; 47.5; 84; Alp Phe ; 2.40; 4500;occ; 95; 0;39224
12; 1326.8; 31-AUG-2009 06:56:05; Dark ; 41.5; 18; 24Alp PsA ; 1.17; 9700;occ; 83; 0;39224
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2; 2255.8; 31-AUG-2009 07:11:34; Bright; 47.5; 90; 54Alp Peg ; 2.49; 11000;occ; 95; 0;39224
3; 2506.7; 31-AUG-2009 07:15:45; Bright; 64.0; 164; 44Eta Peg ; 2.95; 5400;occ; 128; 0;39224
4; 3149.9; 31-AUG-2009 07:26:28; Bright; 44.5; 74; 11Bet Cas ; 2.27; 6600;occ; 89; 0;39224
5; 3278.8; 31-AUG-2009 07:28:37; Bright; 44.5; 76; 27Gam Cas ; 2.30; 30000;occ; 89; 0;39224
6; 4158.4; 31-AUG-2009 07:43:16; Bright; 63.5; 6; 13Alp Aur ; 0.08; 3400;occ; 127; 0;39224
7; 4378.1; 31-AUG-2009 07:46:56; Bright; 47.5; 107; 37The Aur ; 2.65; 11000;occ; 95; 0;39224

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 9; 4788.4; 31-AUG-2009 07:53:46; Dark ; 51.5; 44; 24Gam Gem ; 1.93; 11000;occ; 103; 0;39224
 10; 5060.4; 31-AUG-2009 07:58:18; Dark ; 77.0; 14; 58Alp Ori ; 0.87; 3000;occ; 154; 0;39224
 11; 5307.1; 31-AUG-2009 08:02:25; Dark ; 64.0; 30; 46Eps Ori ; 1.69; 30000;occ; 128; 0;39224
 12; 5442.8; 31-AUG-2009 08:04:41; Dark ; 46.0; 47; 2Bet CMA ; 1.98; 28000;occ; 92; 0;39224
 13; 5610.4; 31-AUG-2009 08:07:28; Dark ; 53.5; 101; 11Alp Lep ; 2.58; 7000;occ; 107; 0;39224
 14; 5786.8; 31-AUG-2009 08:10:25; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;39224
 15; 6511.6; 31-AUG-2009 08:22:30; Dark ; 54.5; 157; The1Eri ; 2.91; 9300;occ; 109; 0;39224
 16; 6992.5; 31-AUG-2009 08:30:30; Dark ; 49.5; 84; Alp Phe ; 2.40; 4500;occ; 99; 0;39224
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 3; 2506.1; 31-AUG-2009 08:56:20; Bright; 64.0; 164; 44Eta Peg ; 2.95; 5400;occ; 128; 0;39225
 4; 3149.4; 31-AUG-2009 09:07:03; Bright; 44.5; 74; 11Bet Cas ; 2.27; 6600;occ; 89; 0;39225
 5; 3278.0; 31-AUG-2009 09:09:12; Bright; 46.5; 76; 27Gam Cas ; 2.30; 30000;occ; 93; 0;39225
 6; 4158.2; 31-AUG-2009 09:23:52; Bright; 59.0; 6; 13Alp Aur ; 0.08; 3400;occ; 118; 0;39225
 7; 4378.1; 31-AUG-2009 09:27:32; Bright; 50.0; 107; 37The Aur ; 2.65; 11000;occ; 100; 0;39225
 8; 4683.9; 31-AUG-2009 09:32:38; Dark ; 61.0; 151; 13Mu Gem ; 2.89; 3000;occ; 122; 0;39225
 9; 4788.9; 31-AUG-2009 09:34:23; Dark ; 51.5; 44; 24Gam Gem ; 1.93; 11000;occ; 103; 0;39225
 10; 5061.2; 31-AUG-2009 09:38:55; Dark ; 70.5; 14; 58Alp Ori ; 0.87; 3000;occ; 141; 0;39225
 11; 5308.1; 31-AUG-2009 09:43:02; Dark ; 64.5; 30; 46Eps Ori ; 1.69; 30000;occ; 129; 0;39225
 12; 5443.4; 31-AUG-2009 09:45:17; Dark ; 42.5; 47; 2Bet CMA ; 1.98; 28000;occ; 85; 0;39225
 13; 5611.6; 31-AUG-2009 09:48:06; Dark ; 53.0; 101; 11Alp Lep ; 2.58; 7000;occ; 106; 0;39225
 14; 5787.9; 31-AUG-2009 09:51:02; Dark ; 59.0; 0; ; 0.00; 0;occ; 118; 0;39225
 15; 6512.6; 31-AUG-2009 10:03:06; Dark ; 54.0; 157; The1Eri ; 2.91; 9300;occ; 108; 0;39225
 16; 6993.1; 31-AUG-2009 10:11:07; Dark ; 49.0; 84; Alp Phe ; 2.40; 4500;occ; 98; 0;39225
 17; 7363.2; 31-AUG-2009 10:17:17; Dark ; 45.5; 18; 24Alp PsA ; 1.17; 9700;occ; 91; 0;39225

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 3; 2505.7; 31-AUG-2009 10:36:55; Bright; 43.0; 164; 44Eta Peg ; 2.95; 5400;occ; 86; 0;39226
 4; 3148.7; 31-AUG-2009 10:47:39; Bright; 45.0; 74; 11Bet Cas ; 2.27; 6600;occ; 90; 0;39226
 5; 3277.3; 31-AUG-2009 10:49:47; Bright; 47.0; 76; 27Gam Cas ; 2.30; 30000;occ; 94; 0;39226
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 7; 4378.2; 31-AUG-2009 11:08:08; Bright; 48.5; 107; 37The Aur ; 2.65; 11000;occ; 97; 0;39226
 8; 4684.2; 31-AUG-2009 11:13:14; Dark ; 64.0; 151; 13Mu Gem ; 2.89; 3000;occ; 128; 0;39226
 9; 4789.1; 31-AUG-2009 11:14:59; Dark ; 48.0; 44; 24Gam Gem ; 1.93; 11000;occ; 96; 0;39226
 10; 5061.9; 31-AUG-2009 11:19:32; Dark ; 75.0; 14; 58Alp Ori ; 0.87; 3000;occ; 150; 0;39226
 11; 5309.1; 31-AUG-2009 11:23:39; Dark ; 63.0; 30; 46Eps Ori ; 1.69; 30000;occ; 126; 0;39226
 12; 5444.1; 31-AUG-2009 11:25:54; Dark ; 47.5; 47; 2Bet CMA ; 1.98; 28000;occ; 95; 0;39226
 13; 5612.7; 31-AUG-2009 11:28:42; Dark ; 55.5; 101; 11Alp Lep ; 2.58; 7000;occ; 111; 0;39226
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 15; 6513.8; 31-AUG-2009 11:43:44; Dark ; 55.0; 157; The1Eri ; 2.91; 9300;occ; 110; 0;39226
 16; 6993.6; 31-AUG-2009 11:51:43; Dark ; 56.5; 84; Alp Phe ; 2.40; 4500;occ; 113; 0;39226
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 3; 2505.1; 31-AUG-2009 12:17:31; Bright; 41.0; 164; 44Eta Peg ; 2.95; 5400;occ; 82; 0;39227
 4; 3148.2; 31-AUG-2009 12:28:14; Bright; 43.0; 74; 11Bet Cas ; 2.27; 6600;occ; 86; 0;39227
 5; 3276.6; 31-AUG-2009 12:30:22; Bright; 45.5; 76; 27Gam Cas ; 2.30; 30000;occ; 91; 0;39227
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 9; 4789.7; 31-AUG-2009 12:55:35; Dark ; 50.5; 44; 24Gam Gem ; 1.93; 11000;occ; 101; 0;39227
 10; 5062.8; 31-AUG-2009 13:00:08; Dark ; 65.0; 14; 58Alp Ori ; 0.87; 3000;occ; 130; 0;39227
 11; 5310.3; 31-AUG-2009 13:04:16; Dark ; 59.0; 30; 46Eps Ori ; 1.69; 30000;occ; 118; 0;39227
 12; 5445.0; 31-AUG-2009 13:06:31; Dark ; 47.0; 47; 2Bet CMA ; 1.98; 28000;occ; 94; 0;39227
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 16; 6994.1; 31-AUG-2009 13:32:20; Dark ; 48.0; 84; Alp Phe ; 2.40; 4500;occ; 96; 0;39227
 17; 7363.8; 31-AUG-2009 13:38:29; Dark ; 45.5; 18; 24Alp PsA ; 1.17; 9700;occ; 91; 0;39227

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 2; 2504.8; 31-AUG-2009 13:58:06; Bright; 43.5; 164; 44Eta Peg ; 2.95; 5400;occ; 87; 0;39228
 3; 3147.5; 31-AUG-2009 14:08:49; Bright; 44.5; 74; 11Bet Cas ; 2.27; 6600;occ; 89; 0;39228

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7; 4684.9; 31-AUG-2009 14:34:26; Dark ; 56.5; 151; 13Mu Gem ; 2.89; 3000;occ; 113; 0;39228
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9; 5063.8; 31-AUG-2009 14:40:45; Dark ; 70.0; 14; 58Alp Ori ; 0.87; 3000;occ; 140; 0;39228
10; 5311.7; 31-AUG-2009 14:44:53; Dark ; 65.0; 30; 46Eps Ori ; 1.69; 30000;occ; 130; 0;39228
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12; 5615.1; 31-AUG-2009 14:49:57; Dark ; 54.0; 101; 11Alp Lep ; 2.58; 7000;occ; 108; 0;39228
13; 5791.4; 31-AUG-2009 14:52:53; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;39228
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12; 5446.5; 31-AUG-2009 16:27:44; Dark ; 48.0; 47; 2Bet CMA ; 1.98; 28000;occ; 96; 0;39229
13; 5616.3; 31-AUG-2009 16:30:34; Dark ; 56.0; 101; 11Alp Lep ; 2.58; 7000;occ; 112; 0;39229
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3; 2503.7; 31-AUG-2009 17:19:17; Bright; 64.0; 164; 44Eta Peg ; 2.95; 5400;occ; 128; 0;39230
4; 3146.3; 31-AUG-2009 17:30:00; Bright; 45.0; 74; 11Bet Cas ; 2.27; 6600;occ; 90; 0;39230
5; 3274.4; 31-AUG-2009 17:32:08; Bright; 46.0; 76; 27Gam Cas ; 2.30; 30000;occ; 92; 0;39230
6; 4157.1; 31-AUG-2009 17:46:51; Bright; 54.5; 6; 13Alp Aur ; 0.08; 3400;occ; 109; 0;39230
7; 4378.2; 31-AUG-2009 17:50:32; Bright; 44.5; 107; 37The Aur ; 2.65; 11000;occ; 89; 0;39230
8; 4685.5; 31-AUG-2009 17:55:39; Dark ; 57.0; 151; 13Mu Gem ; 2.89; 3000;occ; 114; 0;39230
9; 4790.9; 31-AUG-2009 17:57:24; Dark ; 49.0; 44; 24Gam Gem ; 1.93; 11000;occ; 98; 0;39230
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11; 5447.4; 31-AUG-2009 18:08:21; Dark ; 45.5; 47; 2Bet CMA ; 1.98; 28000;occ; 91; 0;39230
12; 5617.6; 31-AUG-2009 18:11:11; Dark ; 58.5; 101; 11Alp Lep ; 2.58; 7000;occ; 117; 0;39230
13; 5793.7; 31-AUG-2009 18:14:07; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;39230
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4; 3145.5; 31-AUG-2009 19:10:35; Bright; 41.5; 74; 11Bet Cas ; 2.27; 6600;occ; 83; 0;39231
5; 3273.8; 31-AUG-2009 19:12:43; Bright; 47.0; 76; 27Gam Cas ; 2.30; 30000;occ; 94; 0;39231
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