

GOMOS Daily Report 30-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	02SEP2009 04:50:03
Data source version	GOMOS/5.00
Start time of products	30AUG2009 00:00:33
Stop time of products	30AUG2009 23:59:23
Store outputs in DB	Yes
Nb of level 1b prods	91
Nb of prods with errors	1

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

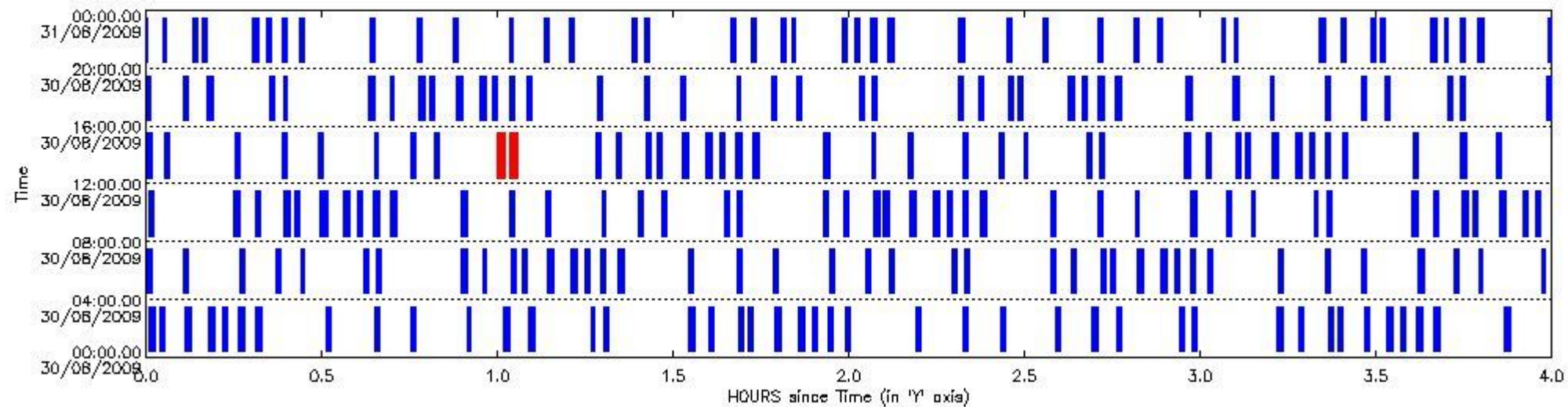
2.1 Level 0 products arrived in PCF (see template [here](#))

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
30-AUG-2009 13:00:01	11BetCas	74	39213
30-AUG-2009 13:02:10	27GamCas	76	39213

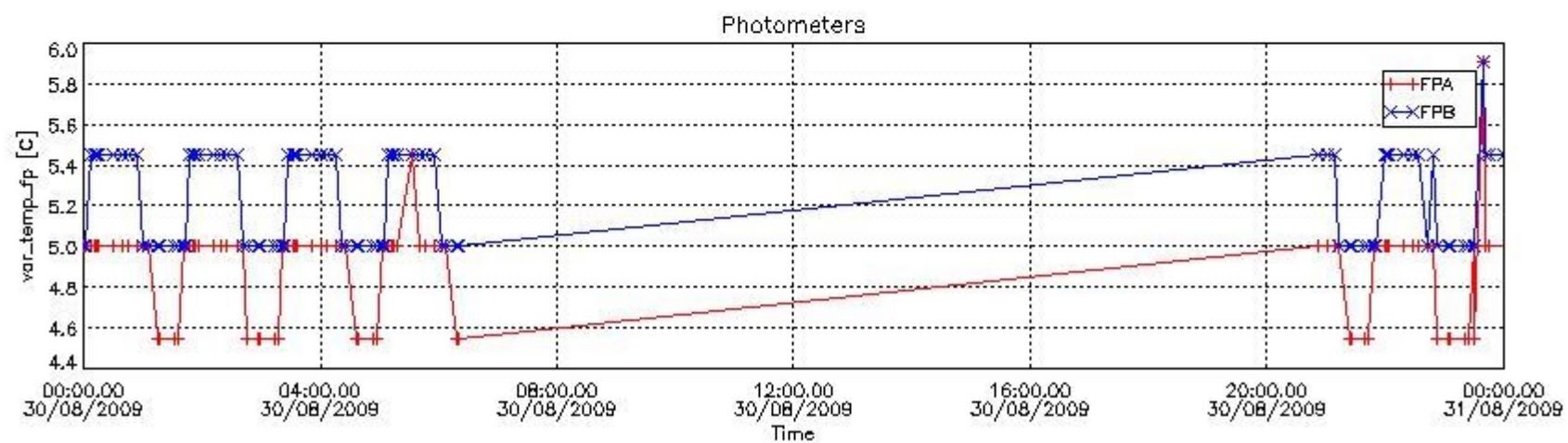
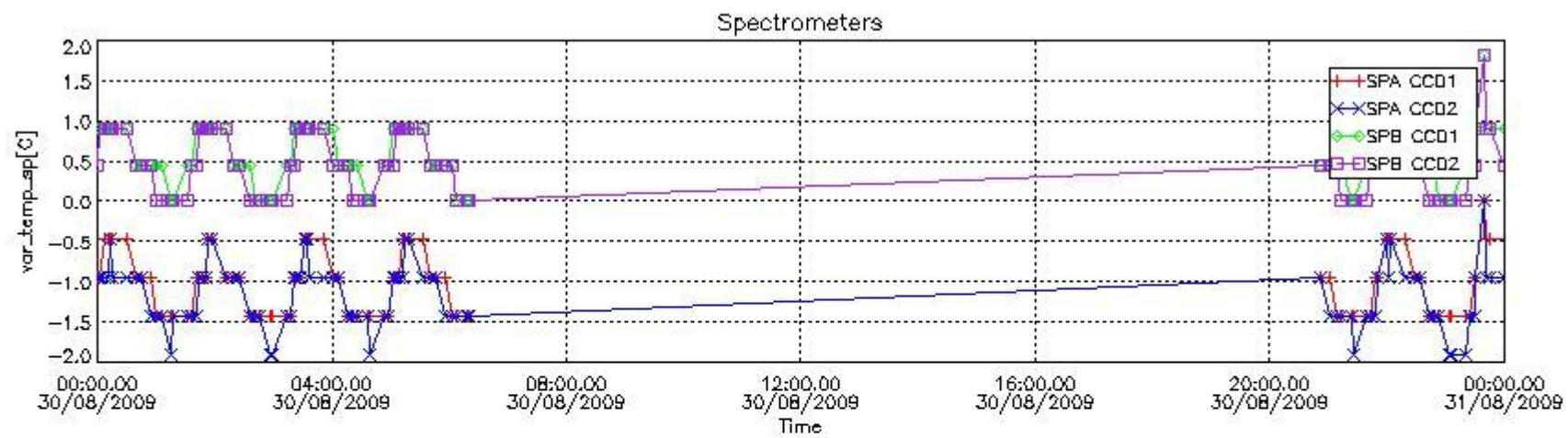
2.4 Summary of processed GOM_TRA_1P products

Nr	Filename	UTC Start time	Limb	Duration	Star Id	Star Name	Star Mag	Star Temp	Nb Meas	Orbit	Prod. error
1	GOM_TRA_1PNPDE20090830_000033_000000582082_00073_39205_3138.N1	30-AUG-2009 00:00:33	Twilight	57.500	151	13Mu Gem	2.8900	3000.0	115	39205	No
2	GOM_TRA_1PNPDE20090830_000216_000000512082_00073_39205_3139.N1	30-AUG-2009 00:02:16	Twilight	50.500	44	24Gam Gem	1.9280	11000.0	101	39205	No
3	GOM_TRA_1PNPDE20090830_000641_000000632082_00073_39205_3140.N1	30-AUG-2009 00:06:41	Dark	63.000	14	58Alp Ori	0.87000	3000.0	126	39205	No
4	GOM_TRA_1PNPDE20090830_001041_000000642082_00073_39205_3288.N1	30-AUG-2009 00:10:41	Dark	64.000	30	46Eps Ori	1.6940	30000.0	128	39205	No
5	GOM_TRA_1PNPDE20090830_001305_000000472082_00073_39205_3289.N1	30-AUG-2009 00:13:05	Dark	47.000	47	2Bet CMa	1.9760	28000.0	94	39205	No
6	GOM_TRA_1PNPDE20090830_001544_000000572082_00073_39205_3290.N1	30-AUG-2009 00:15:44	Dark	56.500	101	11Alp Lep	2.5820	7000.0	113	39205	No
7	GOM_TRA_1PNPDE20090830_003044_000000552082_00074_39206_3291.N1	30-AUG-2009 00:30:44	Dark	54.500	157	The1Eri	2.9060	9300.0	109	39206	No
8	GOM_TRA_1PNPDE20090830_003856_000000492082_00074_39206_3292.N1	30-AUG-2009 00:38:56	Straylight	48.500	84	Alp Phe	2.3970	4500.0	97	39206	No
9	GOM_TRA_1PNPDE20090830_004513_000000462082_00074_39206_3293.N1	30-AUG-2009 00:45:13	Straylight	46.000	18	24Alp PsA	1.1660	9700.0	92	39206	No

10	GOM_TRA_1PNPDE20090830_005448_000000392082_00074_39206_3294.N1	30-AUG-2009 00:54:48	Bright	39.000	162	34Alp Aqr	2.9440	5350.0	78	39206	No
11	GOM_TRA_1PNPDE20090830_010057_000000732082_00074_39206_3295.N1	30-AUG-2009 01:00:57	Bright	72.500	90	54Alp Peg	2.4870	11000.	145	39206	No
12	GOM_TRA_1PNPDE20090830_010507_000000652082_00074_39206_3296.N1	30-AUG-2009 01:05:07	Bright	65.000	164	44Eta Peg	2.9480	5400.0	130	39206	No
13	GOM_TRA_1PNPDE20090830_011553_000000422082_00074_39206_3297.N1	30-AUG-2009 01:15:53	Bright	42.000	74	11Bet Cas	2.2680	6600.0	84	39206	No
14	GOM_TRA_1PNPDE20090830_011803_000000462082_00074_39206_3298.N1	30-AUG-2009 01:18:03	Bright	46.000	76	27Gam Cas	2.3000	30000.	92	39206	No
15	GOM_TRA_1PNPDE20090830_013234_000000582082_00074_39206_3299.N1	30-AUG-2009 01:32:34	Bright	57.500	6	13Alp Aur	0.080000	3400.0	115	39206	No
16	GOM_TRA_1PNPDE20090830_013609_000000452082_00074_39206_3300.N1	30-AUG-2009 01:36:09	Bright	45.000	107	37The Aur	2.6490	11000.	90	39206	No
17	GOM_TRA_1PNPDE20090830_014109_000000552082_00074_39206_3301.N1	30-AUG-2009 01:41:09	Twilight	54.500	151	13Mu Gem	2.8900	3000.0	109	39206	No
18	GOM_TRA_1PNPDE20090830_014253_000000482082_00074_39206_3302.N1	30-AUG-2009 01:42:53	Twilight	48.000	44	24Gam Gem	1.9280	11000.	96	39206	No
19	GOM_TRA_1PNPDE20090830_014717_000000722082_00074_39206_3303.N1	30-AUG-2009 01:47:17	Dark	72.000	14	58Alp Ori	0.87000	3000.0	144	39206	No
20	GOM_TRA_1PNPDE20090830_015118_000000612082_00074_39206_3454.N1	30-AUG-2009 01:51:18	Dark	60.500	30	46Eps Ori	1.6940	30000.	121	39206	No
21	GOM_TRA_1PNPDE20090830_015341_000000462082_00074_39206_3455.N1	30-AUG-2009 01:53:41	Dark	46.000	47	2Bet CMa	1.9760	28000.	92	39206	No
22	GOM_TRA_1PNPDE20090830_015621_000000542082_00074_39206_3456.N1	30-AUG-2009 01:56:21	Dark	53.500	101	11Alp Lep	2.5820	7000.0	107	39206	No
23	GOM_TRA_1PNPDE20090830_021121_000000542082_00075_39207_3457.N1	30-AUG-2009 02:11:21	Dark	54.000	157	The1Eri	2.9060	9300.0	108	39207	No
24	GOM_TRA_1PNPDE20090830_021933_000000492082_00075_39207_3458.N1	30-AUG-2009 02:19:33	Straylight	48.500	84	Alp Phe	2.3970	4500.0	97	39207	No
25	GOM_TRA_1PNPDE20090830_022549_000000472082_00075_39207_3459.N1	30-AUG-2009 02:25:49	Straylight	46.500	18	24Alp PsA	1.1660	9700.0	93	39207	No
26	GOM_TRA_1PNPDE20090830_023524_000000392082_00075_39207_3460.N1	30-AUG-2009 02:35:24	Bright	39.000	162	34Alp Aqr	2.9440	5350.0	78	39207	No
27	GOM_TRA_1PNPDE20090830_024133_000000502082_00075_39207_3461.N1	30-AUG-2009 02:41:33	Bright	49.500	90	54Alp Peg	2.4870	11000.	99	39207	No
28	GOM_TRA_1PNPDE20090830_024543_000000442082_00075_39207_3462.N1	30-AUG-2009 02:45:43	Bright	44.000	164	44Eta Peg	2.9480	5400.0	88	39207	No
29	GOM_TRA_1PNPDE20090830_025628_000000412082_00075_39207_3463.N1	30-AUG-2009 02:56:28	Bright	41.000	74	11Bet Cas	2.2680	6600.0	82	39207	No
30	GOM_TRA_1PNPDE20090830_025838_000000432082_00075_39207_3464.N1	30-AUG-2009 02:58:38	Bright	43.000	76	27Gam Cas	2.3000	30000.	86	39207	No
31	GOM_TRA_1PNPDE20090830_031310_000000592082_00075_39207_3615.N1	30-AUG-2009 03:13:10	Bright	58.500	6	13Alp Aur	0.080000	3400.0	117	39207	No
32	GOM_TRA_1PNPDE20090830_031645_000000472082_00075_39207_3616.N1	30-AUG-2009 03:16:45	Bright	47.000	107	37The Aur	2.6490	11000.	94	39207	No
33	GOM_TRA_1PNPDE20090830_032145_000000562082_00075_39207_3617.N1	30-AUG-2009 03:21:45	Twilight	55.500	151	13Mu Gem	2.8900	3000.0	111	39207	No
34	GOM_TRA_1PNPDE20090830_032329_000000482082_00075_39207_3618.N1	30-AUG-2009 03:23:29	Twilight	48.000	44	24Gam Gem	1.9280	11000.	96	39207	No
35	GOM_TRA_1PNPDE20090830_032754_000000622082_00075_39207_3619.N1	30-AUG-2009 03:27:54	Dark	61.500	14	58Alp Ori	0.87000	3000.0	123	39207	No
36	GOM_TRA_1PNPDE20090830_033155_000000612082_00075_39207_3620.N1	30-AUG-2009 03:31:55	Dark	60.500	30	46Eps Ori	1.6940	30000.	121	39207	No
37	GOM_TRA_1PNPDE20090830_033417_000000462082_00075_39207_3621.N1	30-AUG-2009 03:34:17	Dark	45.500	47	2Bet CMa	1.9760	28000.	91	39207	No
38	GOM_TRA_1PNPDE20090830_033658_000000572082_00075_39207_3622.N1	30-AUG-2009 03:36:58	Dark	56.500	101	11Alp Lep	2.5820	7000.0	113	39207	No
39	GOM_TRA_1PNPDE20090830_035158_000000562082_00076_39208_3623.N1	30-AUG-2009 03:51:58	Dark	56.000	157	The1Eri	2.9060	9300.0	112	39208	No
40	GOM_TRA_1PNPDE20090830_040009_000000502082_00076_39208_3624.N1	30-AUG-2009 04:00:09	Straylight	49.500	84	Alp Phe	2.3970	4500.0	99	39208	No
41	GOM_TRA_1PNPDE20090830_040625_000000472082_00076_39208_3625.N1	30-AUG-2009 04:06:25	Straylight	47.000	18	24Alp PsA	1.1660	9700.0	94	39208	No
42	GOM_TRA_1PNPDE20090830_041600_000000392082_00076_39208_3626.N1	30-AUG-2009 04:16:00	Bright	39.000	162	34Alp Aqr	2.9440	5350.0	78	39208	No
43	GOM_TRA_1PNPDE20090830_042208_000000492082_00076_39208_3627.N1	30-AUG-2009 04:22:08	Bright	48.500	90	54Alp Peg	2.4870	11000.	97	39208	No
44	GOM_TRA_1PNPDE20090830_042618_000000452082_00076_39208_3628.N1	30-AUG-2009 04:26:18	Bright	44.500	164	44Eta Peg	2.9480	5400.0	89	39208	No
45	GOM_TRA_1PNPDE20090830_043704_000000462082_00076_39208_3629.N1	30-AUG-2009 04:37:04	Bright	45.500	74	11Bet Cas	2.2680	6600.0	91	39208	No
46	GOM_TRA_1PNPDE20090830_043913_000000472082_00076_39208_3630.N1	30-AUG-2009 04:39:13	Bright	47.000	76	27Gam Cas	2.3000	30000.	94	39208	No
47	GOM_TRA_1PNPDE20090830_045346_000000562082_00076_39208_3781.N1	30-AUG-2009 04:53:46	Bright	56.000	6	13Alp Aur	0.080000	3400.0	112	39208	No
48	GOM_TRA_1PNPDE20090830_045721_000000472082_00076_39208_3782.N1	30-AUG-2009 04:57:21	Bright	46.500	107	37The Aur	2.6490	11000.	93	39208	No
49	GOM_TRA_1PNPDE20090830_050222_000000532082_00076_39208_3783.N1	30-AUG-2009 05:02:22	Twilight	53.000	151	13Mu Gem	2.8900	3000.0	106	39208	No
50	GOM_TRA_1PNPDE20090830_050406_000000462082_00076_39208_3784.N1	30-AUG-2009 05:04:06	Twilight	46.000	44	24Gam Gem	1.9280	11000.	92	39208	No
51	GOM_TRA_1PNPDE20090830_050831_000000672082_00076_39208_3785.N1	30-AUG-2009 05:08:31	Dark	67.000	14	58Alp Ori	0.87000	3000.0	134	39208	No
52	GOM_TRA_1PNPDE20090830_051232_000000602082_00076_39208_3786.N1	30-AUG-2009 05:12:32	Dark	60.000	30	46Eps Ori	1.6940	30000.	120	39208	No
53	GOM_TRA_1PNPDE20090830_051454_000000472082_00076_39208_3787.N1	30-AUG-2009 05:14:54	Dark	47.000	47	2Bet CMa	1.9760	28000.	94	39208	No
54	GOM_TRA_1PNPDE20090830_051735_000000532082_00076_39208_3788.N1	30-AUG-2009 05:17:35	Dark	53.000	101	11Alp Lep	2.5820	7000.0	106	39208	No
55	GOM_TRA_1PNPDE20090830_053235_000000552082_00077_39209_3789.N1	30-AUG-2009 05:32:35	Dark	54.500	157	The1Eri	2.9060	9300.0	109	39209	No
56	GOM_TRA_1PNPDE20090830_054046_000000492082_00077_39209_3790.N1	30-AUG-2009 05:40:46	Straylight	48.500	84	Alp Phe	2.3970	4500.0	97	39209	No
57	GOM_TRA_1PNPDE20090830_054702_000000442082_00077_39209_3791.N1	30-AUG-2009 05:47:02	Straylight	44.000	18	24Alp PsA	1.1660	9700.0	88	39209	No
58	GOM_TRA_1PNPDE20090830_055636_000000572082_00077_39209_3792.N1	30-AUG-2009 05:56:36	Bright	57.000	162	34Alp Aqr	2.9440	5350.0	114	39209	No
59	GOM_TRA_1PNPDE20090830_060244_000000482082_00077_39209_3793.N1	30-AUG-2009 06:02:44	Bright	48.000	90	54Alp Peg	2.4870	11000.	96	39209	No
60	GOM_TRA_1PNPDE20090830_060654_000000442082_00077_39209_3794.N1	30-AUG-2009 06:06:54	Bright	43.500	164	44Eta Peg	2.9480	5400.0	87	39209	No
61	GOM_TRA_1PNPDE20090830_061739_000000452082_00077_39209_3795.N1	30-AUG-2009 06:17:39	Bright	44.500	74	11Bet Cas	2.2680	6600.0	89	39209	No
62	GOM_TRA_1PNPDE20090830_061949_000000452082_00077_39209_3796.N1	30-AUG-2009 06:19:49	Bright	44.500	76	27Gam Cas	2.3000	30000.	89	39209	No
63	GOM_TRA_1PNPDE20090830_205227_000000472082_00086_39218_4236.N1	30-AUG-2009 20:52:27	Straylight	46.500	18	24Alp PsA	1.1660	9700.0	93	39218	No
64	GOM_TRA_1PNPDE20090830_210159_000000392082_00086_39218_4237.N1	30-AUG-2009 21:01:59	Bright	38.500	162	34Alp Aqr	2.9440	5350.0	77	39218	No
65	GOM_TRA_1PNPDE20090830_210802_000000482082_00086_39218_4238.N1	30-AUG-2009 21:08:02	Bright	47.500	90	54Alp Peg	2.4870	11000.	95	39218	No
66	GOM_TRA_1PNPDE20090830_211212_000000432082_00086_39218_4239.N1	30-AUG-2009 21:12:12	Bright	42.500	164	44Eta Peg	2.9480	5400.0	85	39218	No
67	GOM_TRA_1PNPDE20090830_212256_000000452082_00086_39218_4240.N1	30-AUG-2009 21:22:56	Bright	44.500	74	11Bet Cas	2.2680	6600.0	89	39218	No
68	GOM_TRA_1PNPDE20090830_212505_000000452082_00086_39218_4241.N1	30-AUG-2009 21:25:05	Bright	44.500	76	27Gam Cas	2.3000	30000.	89	39218	No

69	GOM_TRA_1PNPDE20090830_213942_000000552082_00086_39218_4242.N1	30-AUG-2009 21:39:42	Bright	54.500	6	13Alp Aur	0.080000	3400.0	109	39218	No
70	GOM_TRA_1PNPDE20090830_214320_000000492082_00086_39218_4243.N1	30-AUG-2009 21:43:20	Bright	48.500	107	37The Aur	2.6490	11000.	97	39218	No
71	GOM_TRA_1PNPDE20090830_214824_000000552082_00086_39218_4244.N1	30-AUG-2009 21:48:24	Twilight	54.500	151	13Mu Gem	2.8900	3000.0	109	39218	No
72	GOM_TRA_1PNPDE20090830_215009_000000472082_00086_39218_4245.N1	30-AUG-2009 21:50:09	Twilight	47.000	44	24Gam Gem	1.9280	11000.	94	39218	No
73	GOM_TRA_1PNPDE20090830_215842_000000632082_00086_39218_4387.N1	30-AUG-2009 21:58:42	Dark	62.500	30	46Eps Ori	1.6940	30000.	125	39218	No
74	GOM_TRA_1PNPDE20090830_220101_000000492082_00086_39218_4388.N1	30-AUG-2009 22:01:01	Dark	48.500	47	2Bet CMa	1.9760	28000.	97	39218	No
75	GOM_TRA_1PNPDE20090830_220346_000000522082_00086_39218_4389.N1	30-AUG-2009 22:03:46	Dark	51.500	101	11Alp Lep	2.5820	7000.0	103	39218	No
76	GOM_TRA_1PNPDE20090830_221847_000000562082_00087_39219_4390.N1	30-AUG-2009 22:18:47	Dark	56.000	157	The1Eri	2.9060	9300.0	112	39219	No
77	GOM_TRA_1PNPDE20090830_222651_000000542082_00087_39219_4391.N1	30-AUG-2009 22:26:51	Straylight	53.500	84	Alp Phe	2.3970	4500.0	107	39219	No
78	GOM_TRA_1PNPDE20090830_223303_000000462082_00087_39219_4392.N1	30-AUG-2009 22:33:03	Straylight	45.500	18	24Alp PsA	1.1660	9700.0	91	39219	No
79	GOM_TRA_1PNPDE20090830_224234_000000392082_00087_39219_4393.N1	30-AUG-2009 22:42:34	Bright	38.500	162	34Alp Aqr	2.9440	5350.0	77	39219	No
80	GOM_TRA_1PNPDE20090830_224837_000000472082_00087_39219_4394.N1	30-AUG-2009 22:48:37	Bright	47.000	90	54Alp Peg	2.4870	11000.	94	39219	No
81	GOM_TRA_1PNPDE20090830_225247_000000442082_00087_39219_4395.N1	30-AUG-2009 22:52:47	Bright	43.500	164	44Eta Peg	2.9480	5400.0	87	39219	No
82	GOM_TRA_1PNPDE20090830_230331_000000452082_00087_39219_4396.N1	30-AUG-2009 23:03:31	Bright	44.500	74	11Bet Cas	2.2680	6600.0	89	39219	No
83	GOM_TRA_1PNPDE20090830_230541_000000452082_00087_39219_4397.N1	30-AUG-2009 23:05:41	Bright	45.000	76	27Gam Cas	2.3000	30000.	90	39219	No
84	GOM_TRA_1PNPDE20090830_232018_000000592082_00087_39219_4398.N1	30-AUG-2009 23:20:18	Bright	59.000	6	13Alp Aur	0.080000	3400.0	118	39219	No
85	GOM_TRA_1PNPDE20090830_232356_000000472082_00087_39219_4399.N1	30-AUG-2009 23:23:56	Bright	47.000	107	37The Aur	2.6490	11000.	94	39219	No
86	GOM_TRA_1PNPDE20090830_232900_000000542082_00087_39219_4400.N1	30-AUG-2009 23:29:00	Twilight	53.500	151	13Mu Gem	2.8900	3000.0	107	39219	No
87	GOM_TRA_1PNPDE20090830_233045_000000482082_00087_39219_4401.N1	30-AUG-2009 23:30:45	Twilight	47.500	44	24Gam Gem	1.9280	11000.	95	39219	No
88	GOM_TRA_1PNPDE20090830_233919_000000632082_00087_39219_4537.N1	30-AUG-2009 23:39:19	Dark	62.500	30	46Eps Ori	1.6940	30000.	125	39219	Yes
89	GOM_TRA_1PNPDE20090830_234137_000000452082_00087_39219_4538.N1	30-AUG-2009 23:41:37	Dark	44.500	47	2Bet CMa	1.9760	28000.	89	39219	No
90	GOM_TRA_1PNPDE20090830_234423_000000562082_00087_39219_4539.N1	30-AUG-2009 23:44:23	Dark	55.500	101	11Alp Lep	2.5820	7000.0	111	39219	No
91	GOM_TRA_1PNPDE20090830_235923_000000542082_00088_39220_4540.N1	30-AUG-2009 23:59:23	Dark	54.000	157	The1Eri	2.9060	9300.0	108	39220	No

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



4. Overview of dark signal processing per product

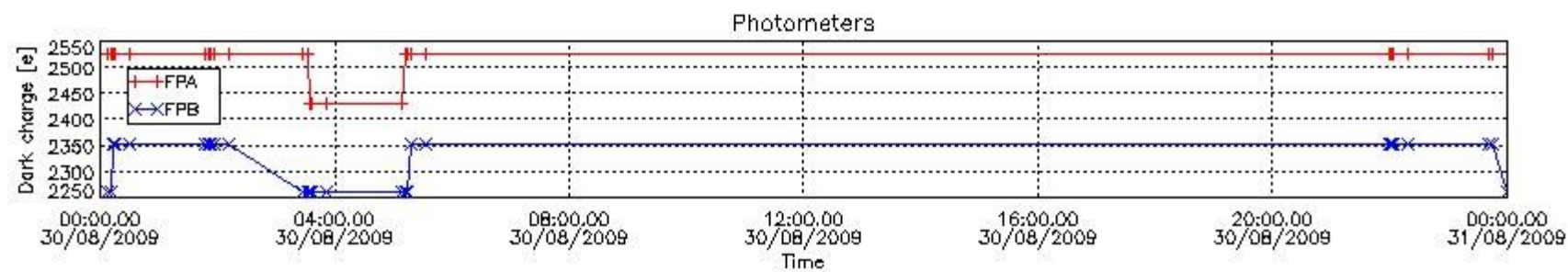
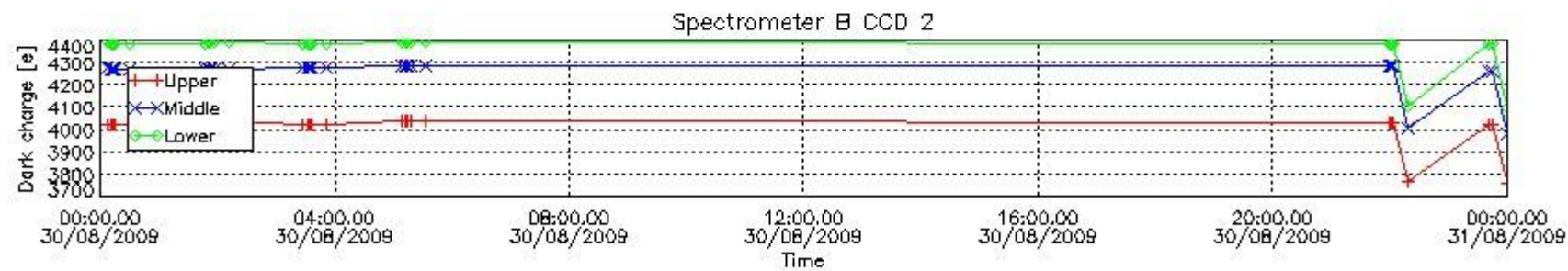
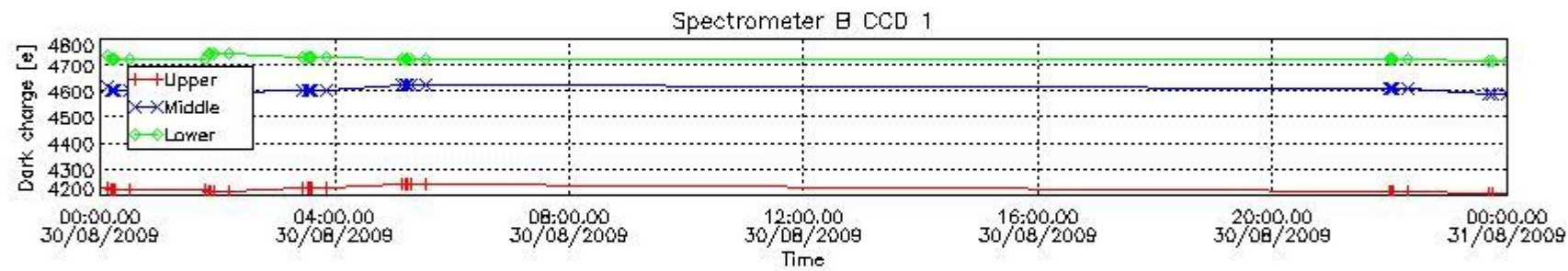
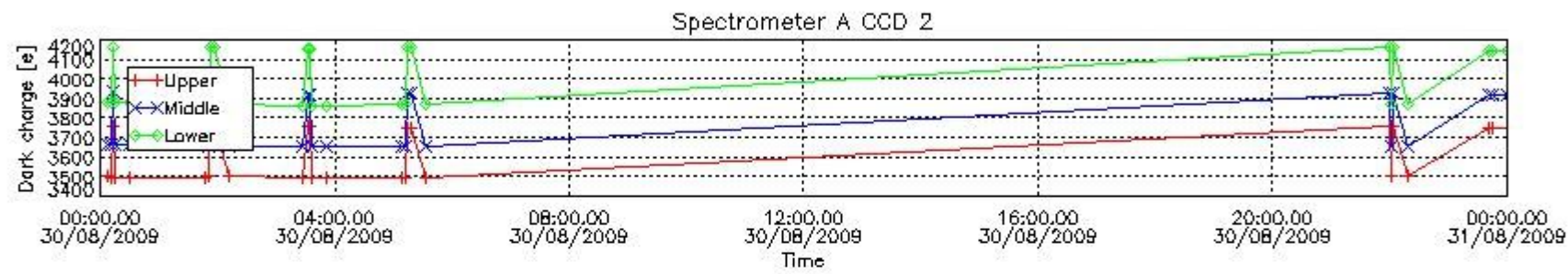
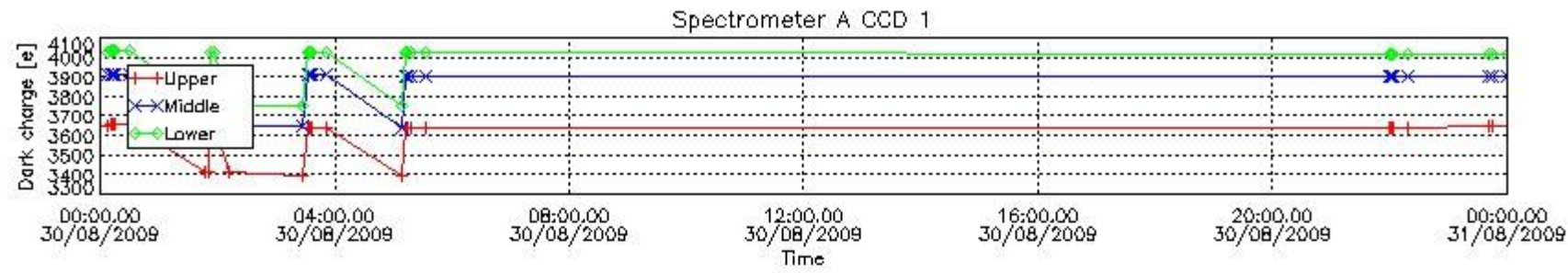
The Dark Charge (DC) is a temperature-dependant signal added to the useful measurements and it is therefore subtracted from them during the processing. There are two phenomena that produce a continuous increase of the DC: the "hot pixels" (a pixel is "hot" when its DC exceeds by a significant amount 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_1PNPDE20090830_205227_000000472082_00086_39218_4236.N1	DC map used
GOM_TRA_1PNPDE20090830_210159_000000392082_00086_39218_4237.N1	DC map used
GOM_TRA_1PNPDE20090830_210802_000000482082_00086_39218_4238.N1	DC map used
GOM_TRA_1PNPDE20090830_211212_000000432082_00086_39218_4239.N1	DC map used
GOM_TRA_1PNPDE20090830_212256_000000452082_00086_39218_4240.N1	DC map used
GOM_TRA_1PNPDE20090830_212505_000000452082_00086_39218_4241.N1	DC map used
GOM_TRA_1PNPDE20090830_213942_000000552082_00086_39218_4242.N1	DC map used
GOM_TRA_1PNPDE20090830_214320_000000492082_00086_39218_4243.N1	DC map used
GOM_TRA_1PNPDE20090830_214824_000000552082_00086_39218_4244.N1	DC map used
GOM_TRA_1PNPDE20090830_215009_000000472082_00086_39218_4245.N1	DC map used

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



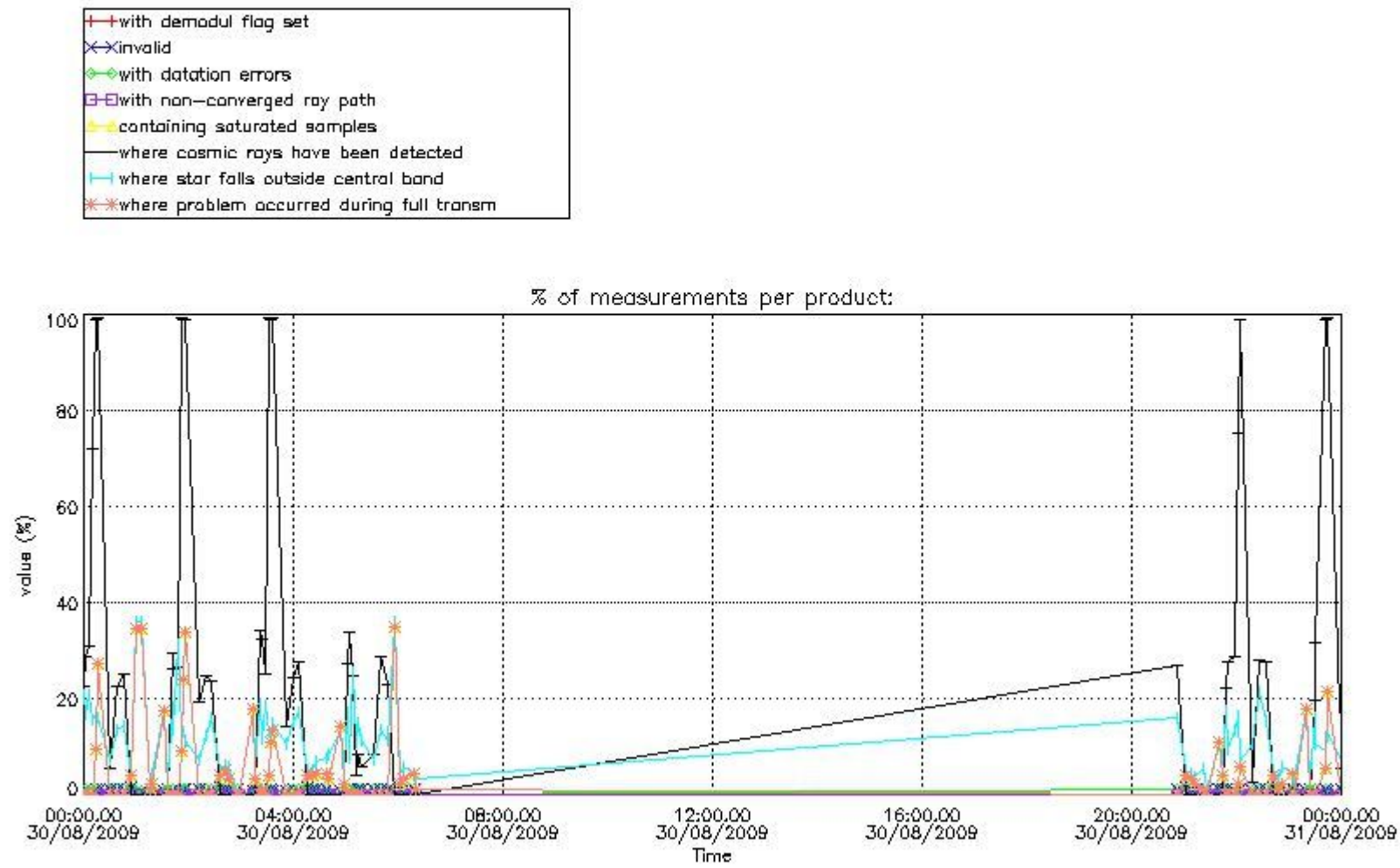
5. Demodulation flag and quality information monitoring

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.

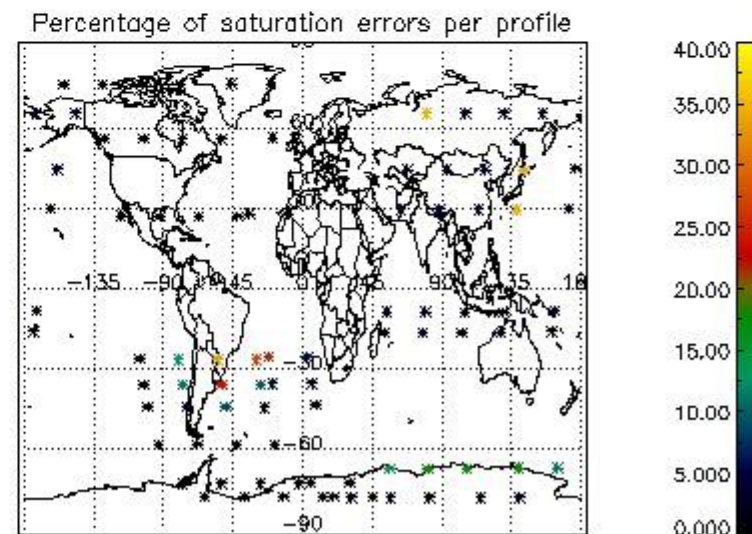
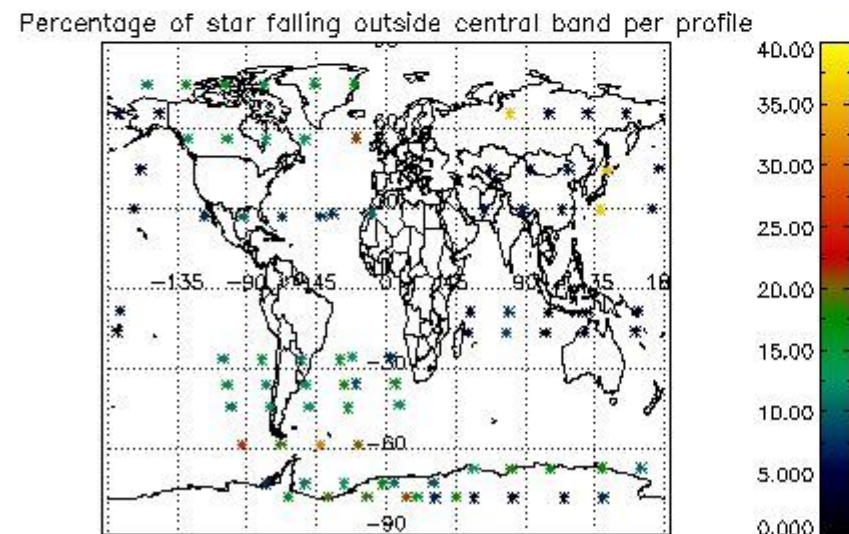
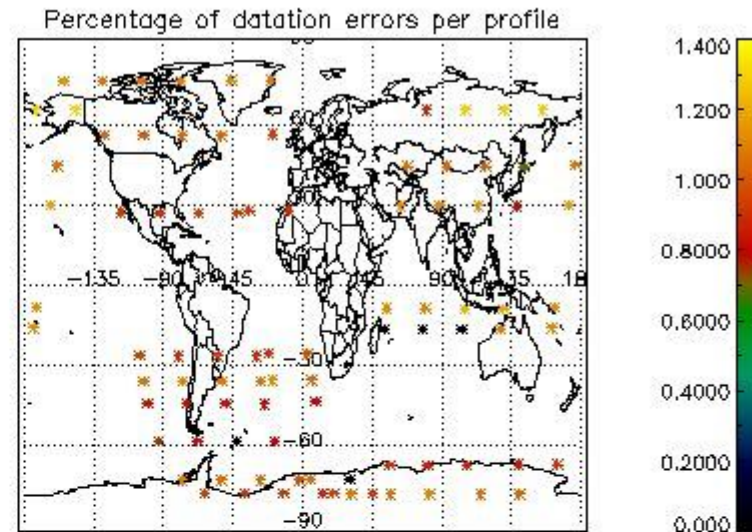
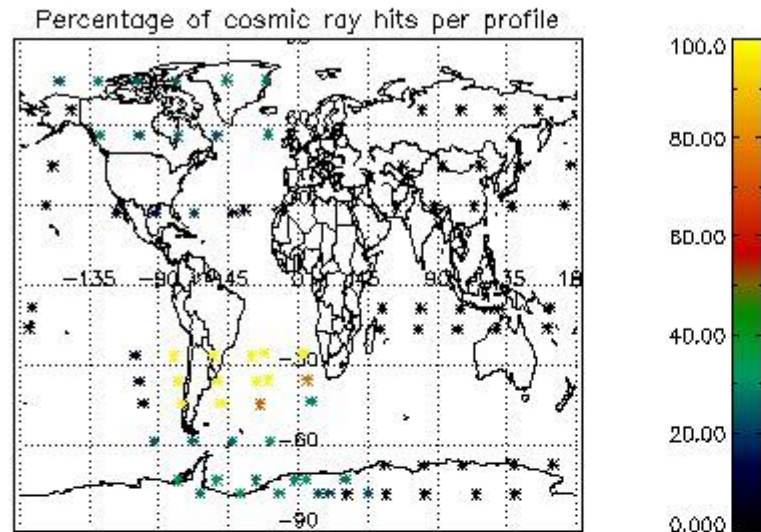
5.1 Percentage of products during reporting period with:

At least one measurement with demodulation flag set:	37.7778 %
Reference spectrum computed from DB:	0.00000 %
Reference spectrum with small number of measurements:	0.00000 %
SATU data not used:	0.00000 %

5.2 Plot quality information per product (time dependant)



5.3 Plot quality information per product (world map)



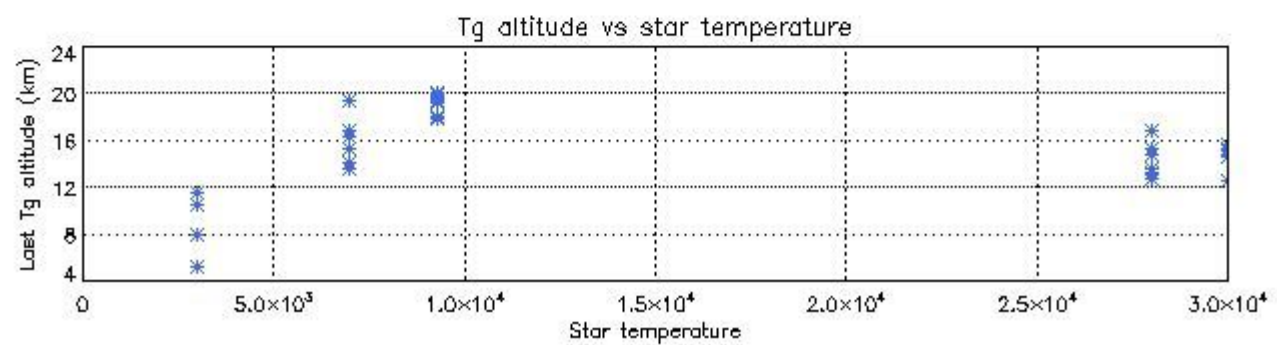
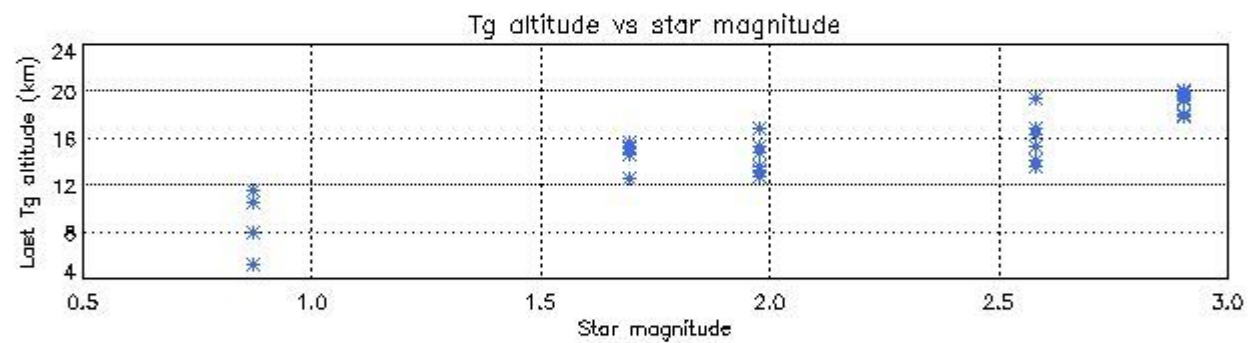
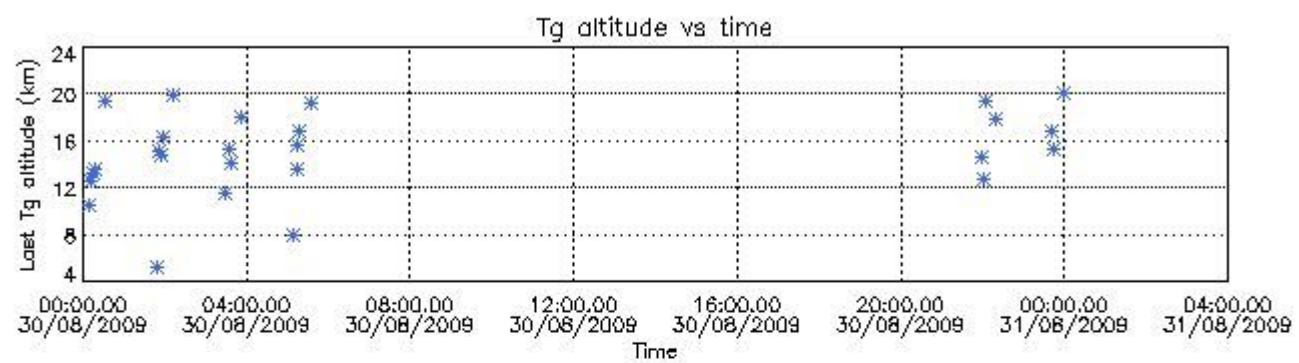
6. Statistics and plot of tangent altitude of the last measurement (DARK & BRIGHT products without errors)

6.1 Statistics on tangent altitude lost:

Statistics	DARK	BRIGHT	TWILIGHT
Mean:	14.971	19.533	NaN
St. deviation:	3.5694	5.7285	NaN
Maximum:	20.041	27.673	NaN
Minimum:	5.2043	3.5613	NaN
Number of data:	27.000	40.000	NaN

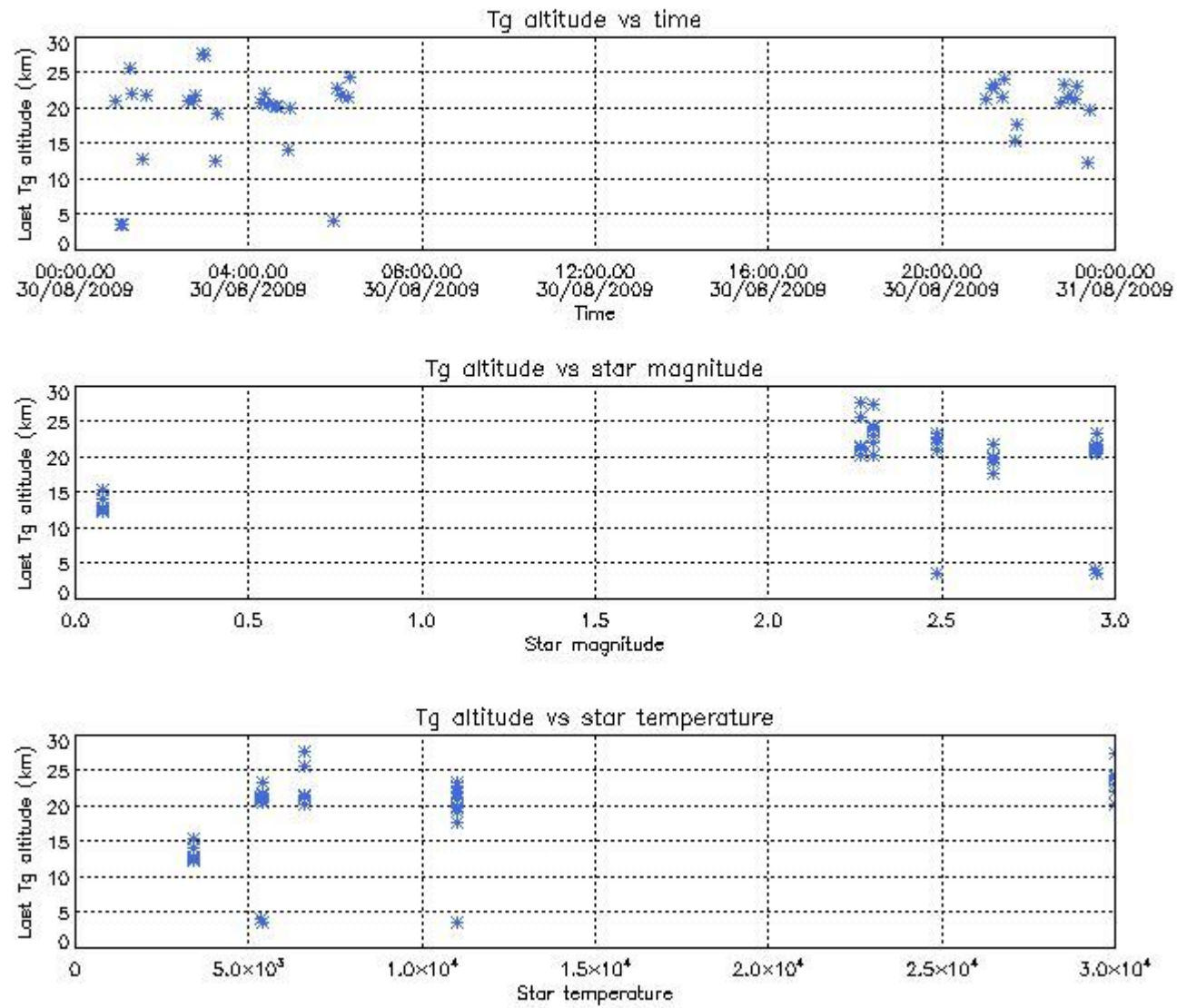
6.2 Plot for DARK limb products

Tangent altitude at which the star is lost



6.3 Plot for BRIGHT limb products

Tangent altitude at which the star is lost

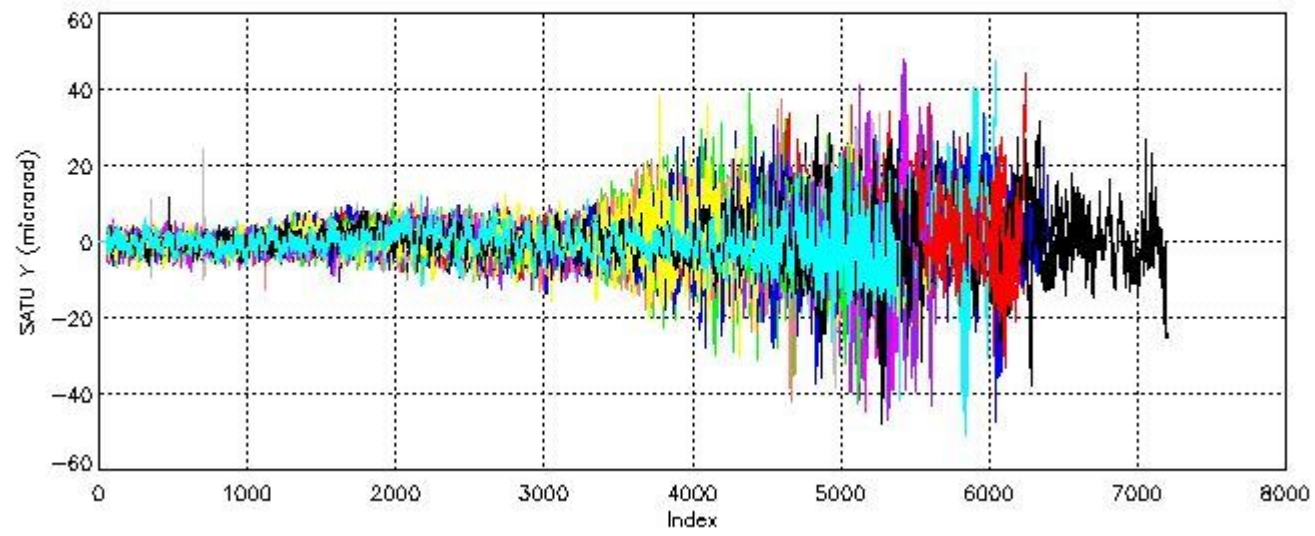
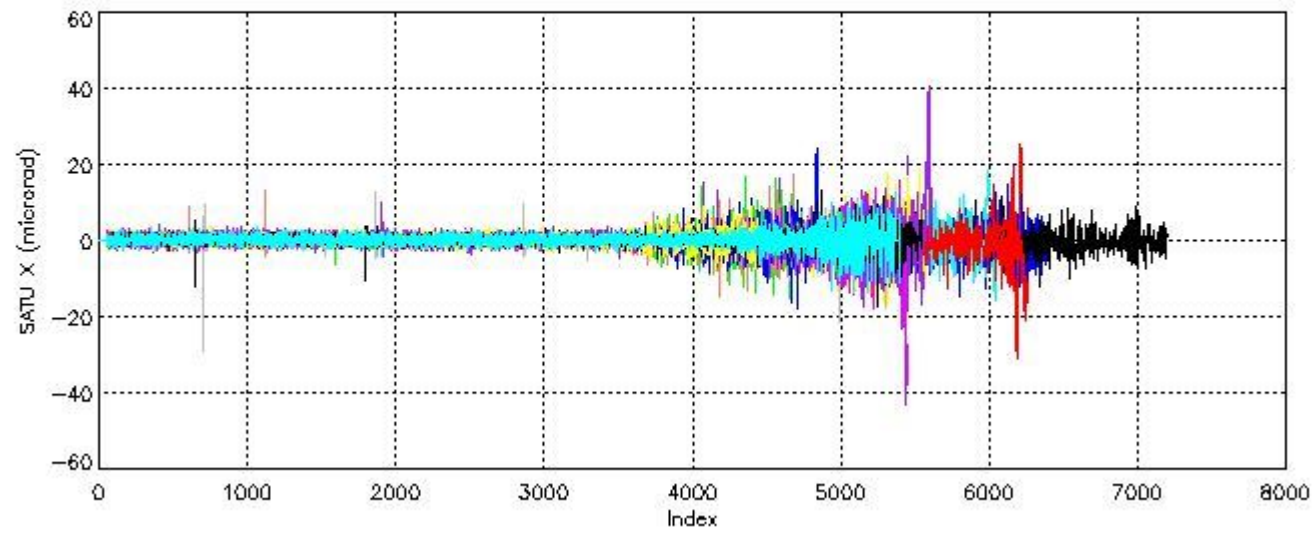


7. Star Acquisition and Tracking Unit (SATU)

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:	0.25490	-0.61655	0.28129	-0.49765
St. deviation:	0.66124	1.5605	0.83531	1.8183
Maximum:	9.6000	24.100	4.6000	8.2000
Minimum:	-28.700	-10.100	-4.4000	-9.2000

Number of data:	33000.	33000.	42900.	42900.
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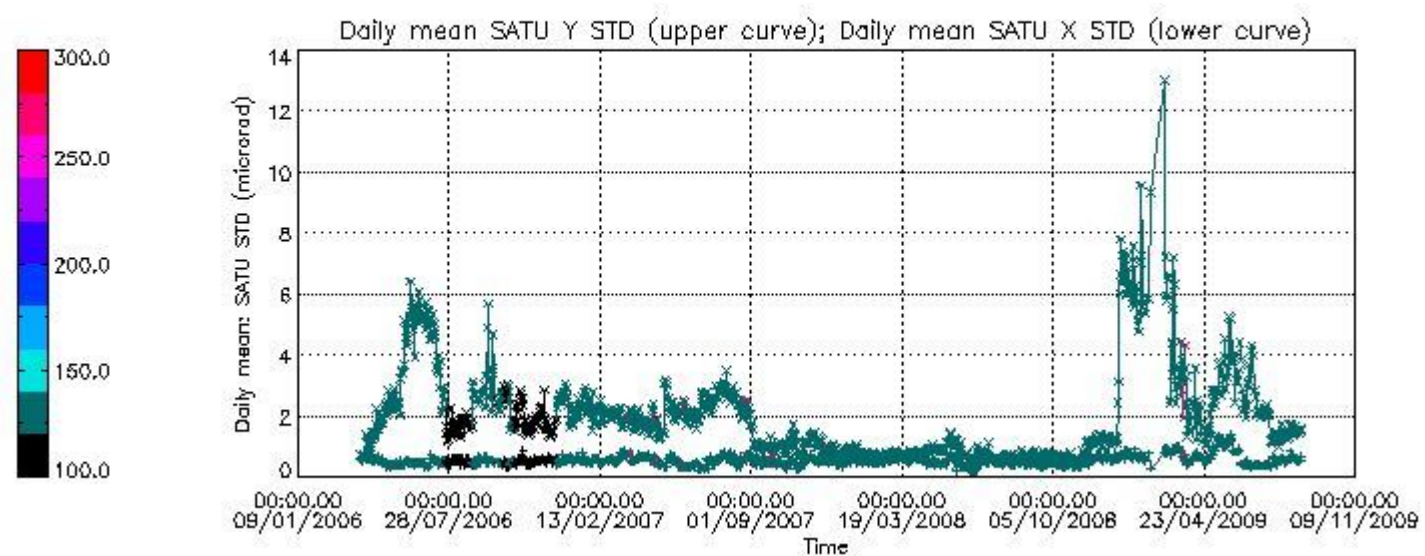
7.2.2 Trend of daily SATU NEA St. deviation since 1st April 2006 (dark limb)

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

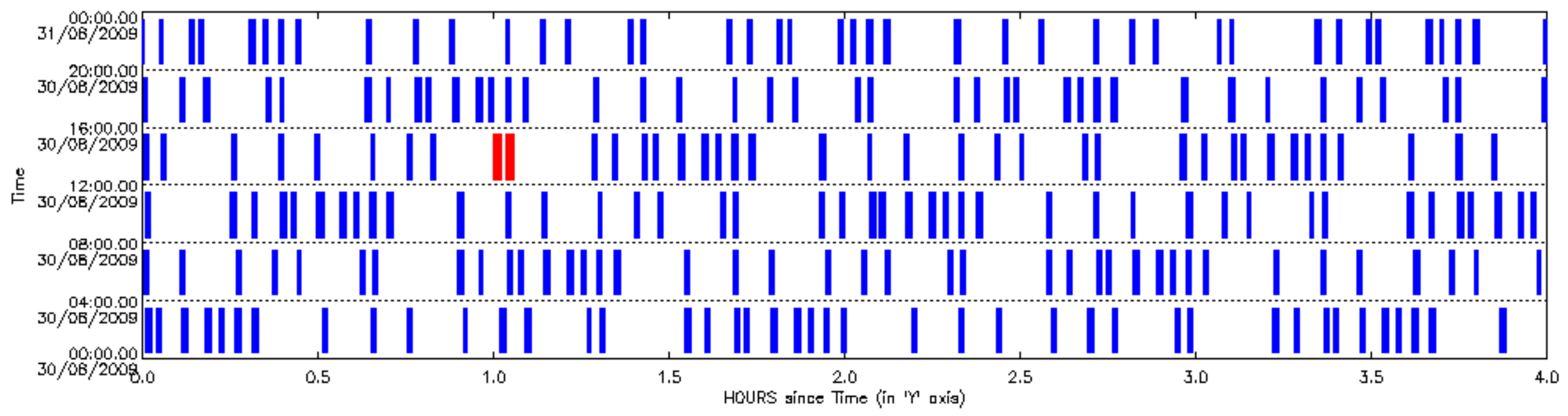
Lower curve: STD of SATU X axis

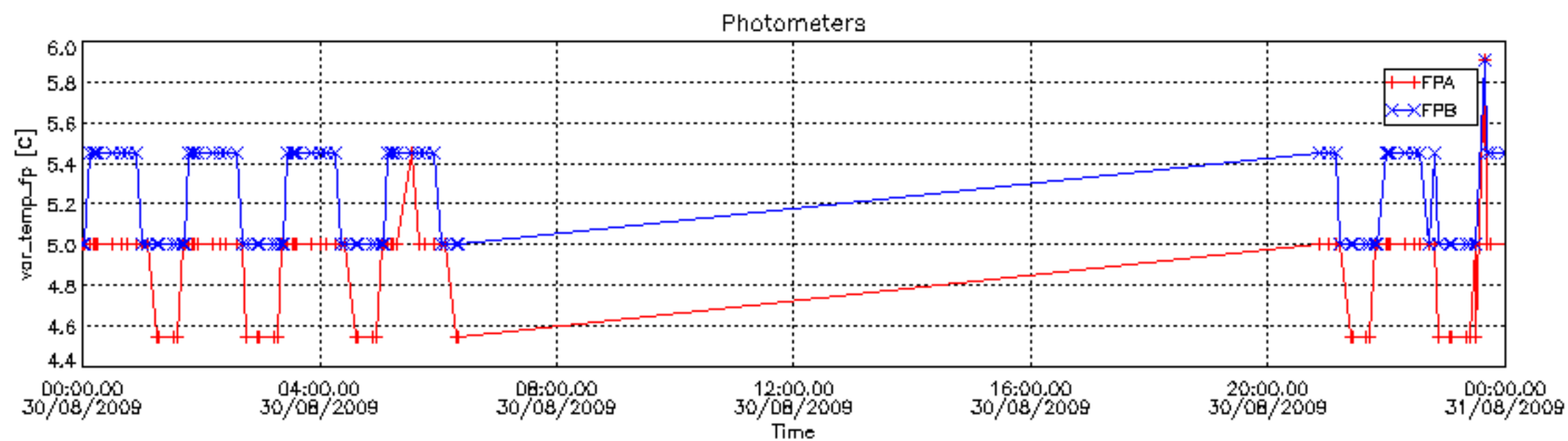
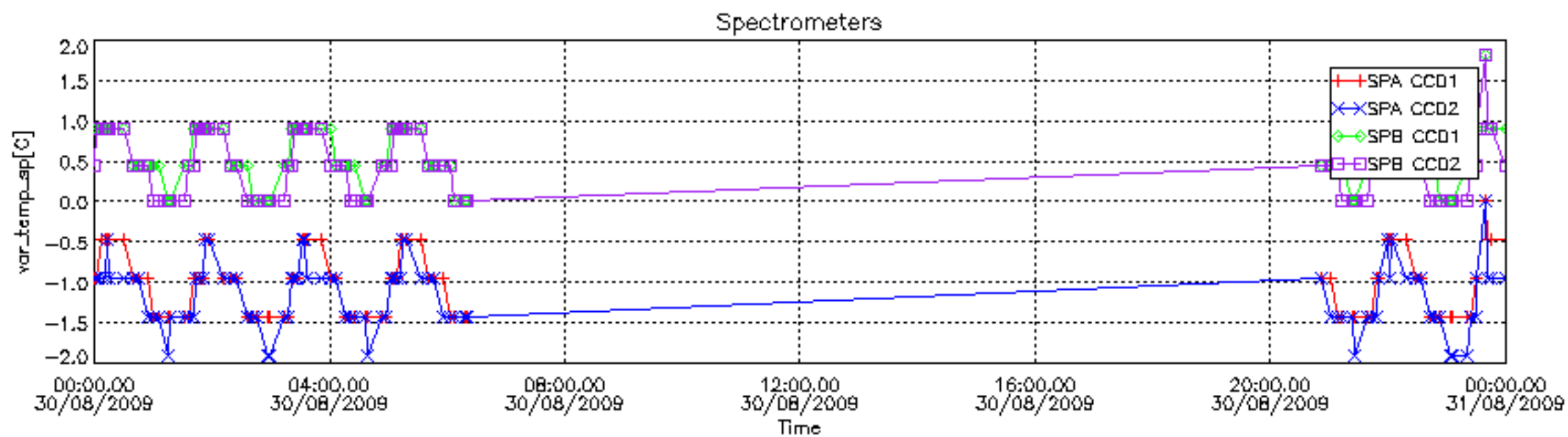


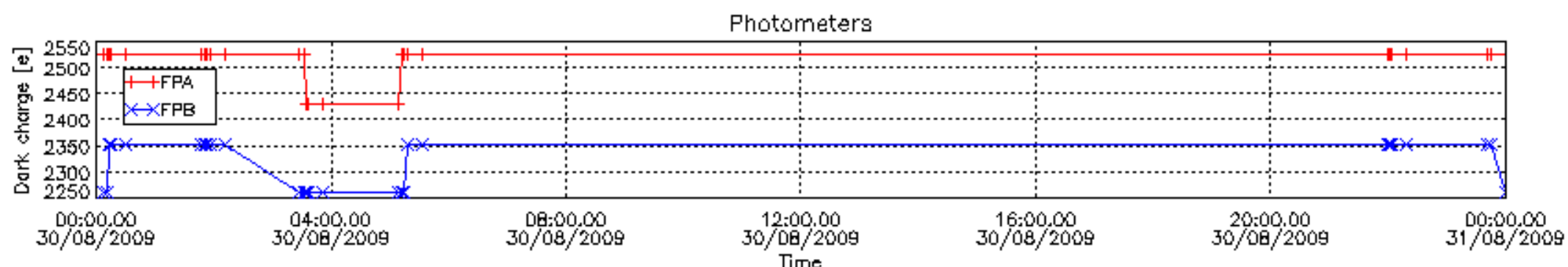
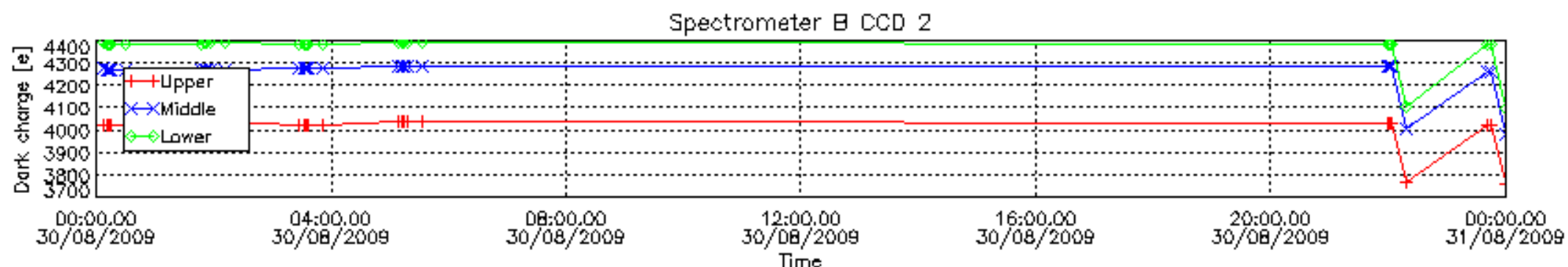
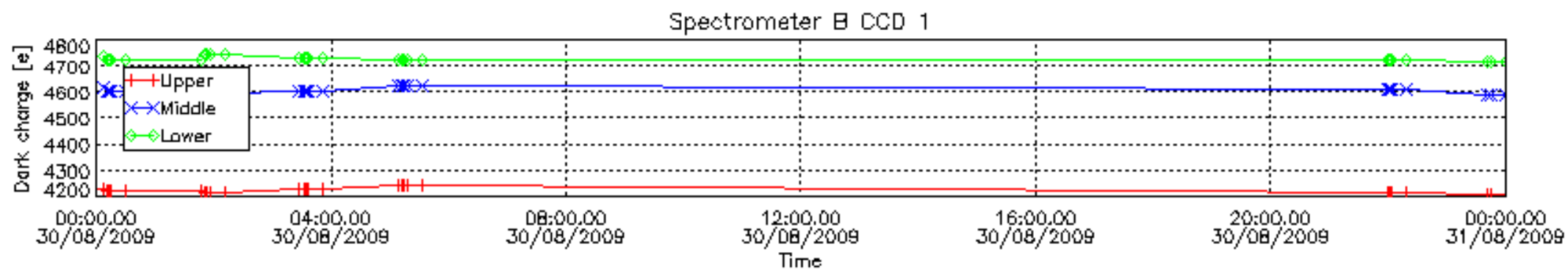
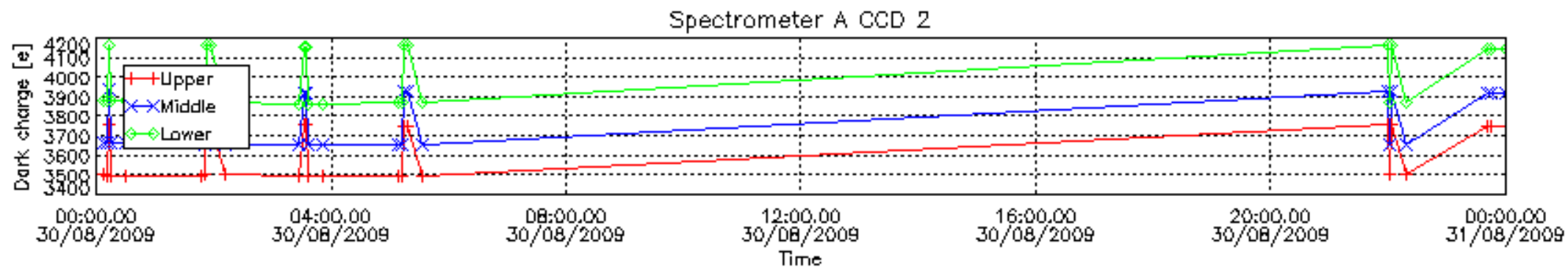
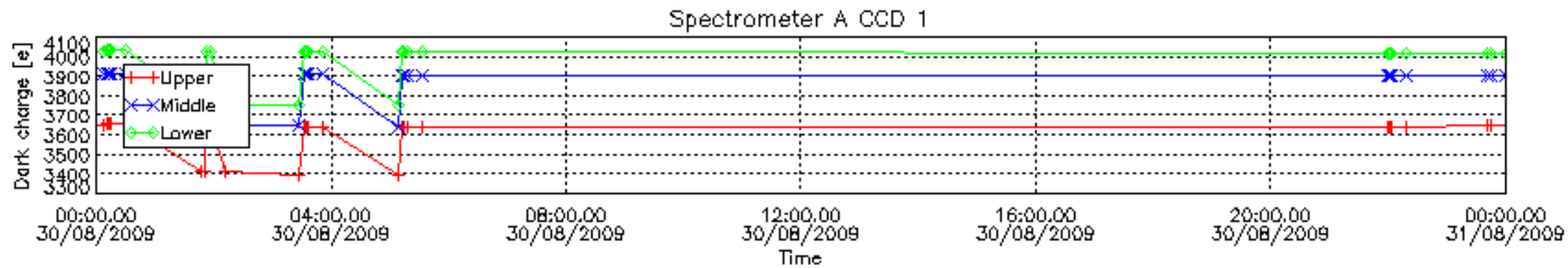
8. Auxiliary Data Files used for the production reported in section 2.4

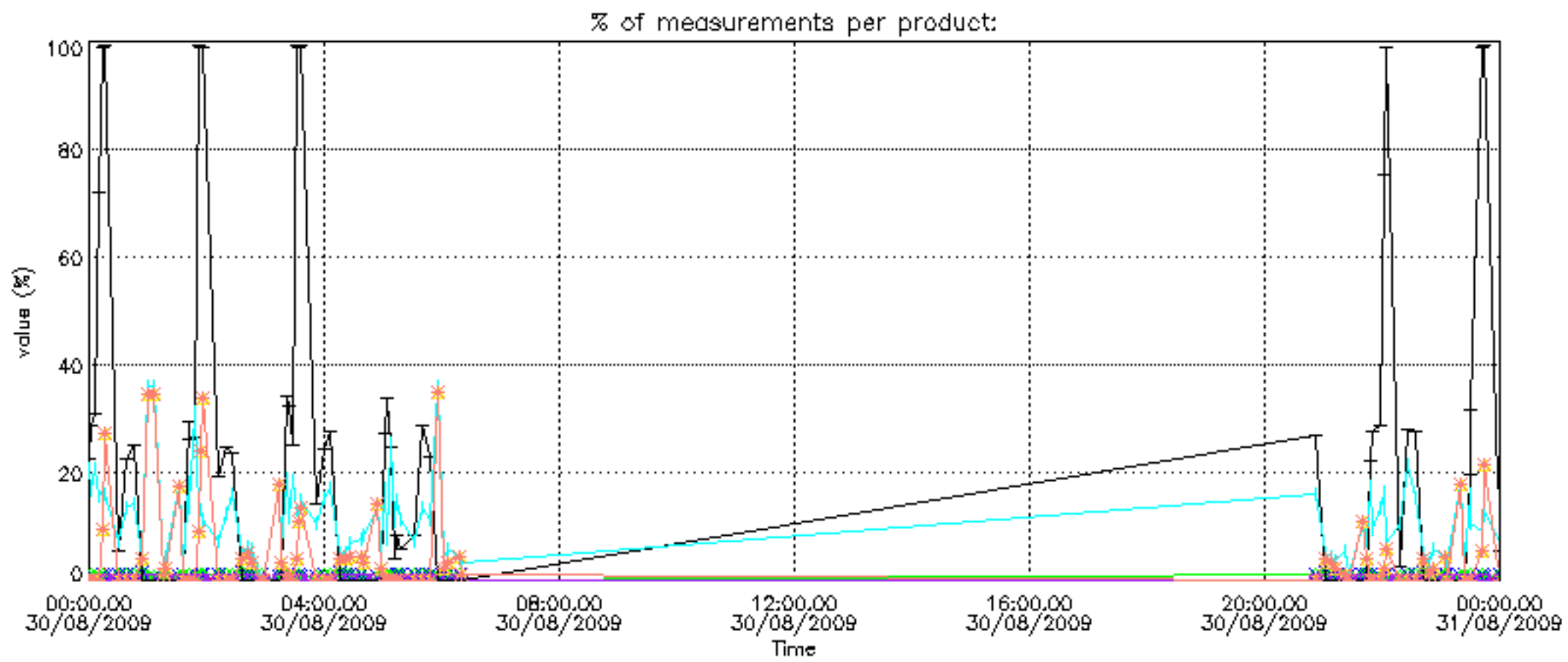
The number reported in the third column indicates since which file (see list in section 2.4) the corresponding auxiliary file has been used. The fourth column is the date of those product files.

Type	Auxiliary Filename	Used since product	Used since product date
INST_PHYS_CHARACTERISTICS	GOM_INS_AXNIEC20050627_150713_20030716_120000_20100101_000000	1	30-AUG-2009 00:00:33
CALIBRATION_DATABASE	GOM_CAL_AXVIEC20090818_144743_20090816_000000_20100101_000000	1	30-AUG-2009 00:00:33
LEVEL-1B_PROC_CONFIG	GOM_PR1_AXNIEC20050627_151042_20020301_000000_20100101_000000	1	30-AUG-2009 00:00:33
STAR_CATALOGUE	GOM_CAT_AXVIEC20020121_161009_20020101_000000_20200101_000000	1	30-AUG-2009 00:00:33
STELLAR_SPECTRA_DATABANK	GOM_STS_AXNIEC20040308_103538_20020101_160000_20100101_000000	1	30-AUG-2009 00:00:33
ECMWF_FILE	AUX_ECF_AXNECM20090829_064111_20090829_210000_20090830_090000	1	30-AUG-2009 00:00:33
ECMWF_FILE	AUX_ECF_AXNECM20090829_184111_20090830_030000_20090830_150000	31	30-AUG-2009 03:13:10
ECMWF_FILE	AUX_ECF_AXNECM20090830_064112_20090830_150000_20090831_030000	63	30-AUG-2009 20:52:27
ECMWF_FILE	AUX_ECF_AXNECM20090830_064112_20090830_210000_20090831_090000	73	30-AUG-2009 21:58:42
OPTIONAL_ECMWF_FILE	MISSING	1	30-AUG-2009 00:00:33
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20090829_204040_000060572082_00071_39203_8654.N1	1	30-AUG-2009 00:00:33
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20090829_222655_000057382082_00072_39204_8655.N1	4	30-AUG-2009 00:10:41
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20090830_000752_000057382082_00073_39205_8656.N1	20	30-AUG-2009 01:51:18
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20090830_014849_000038252082_00074_39206_8657.N1	31	30-AUG-2009 03:13:10
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20090830_025754_000060572082_00075_39207_8658.N1	47	30-AUG-2009 04:53:46
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20090830_204550_000038252082_00086_39218_8660.N1	63	30-AUG-2009 20:52:27

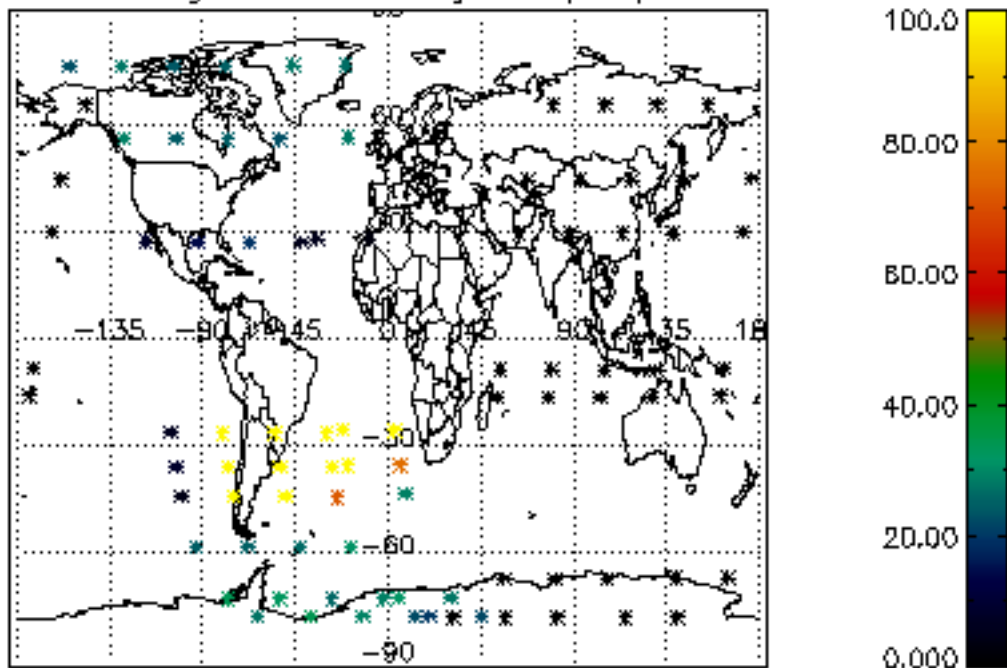




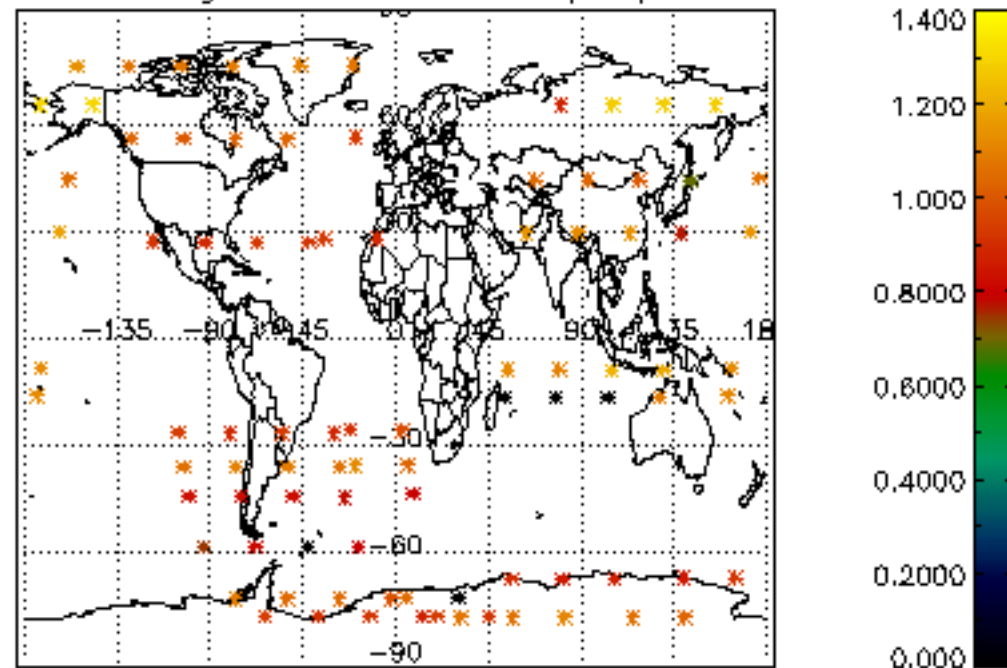




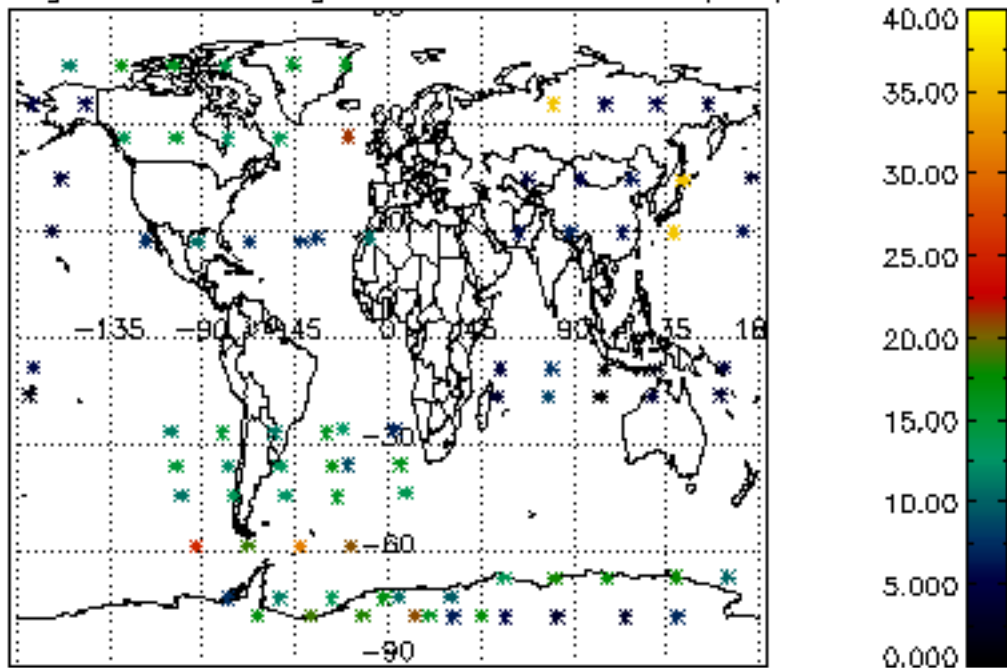
Percentage of cosmic ray hits per profile



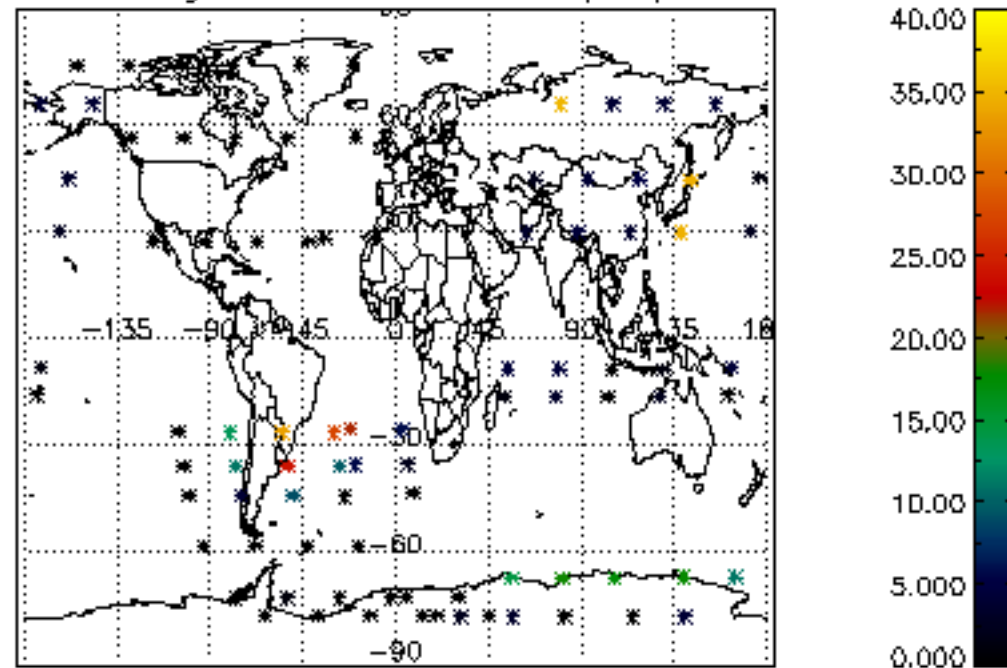
Percentage of datation errors per profile



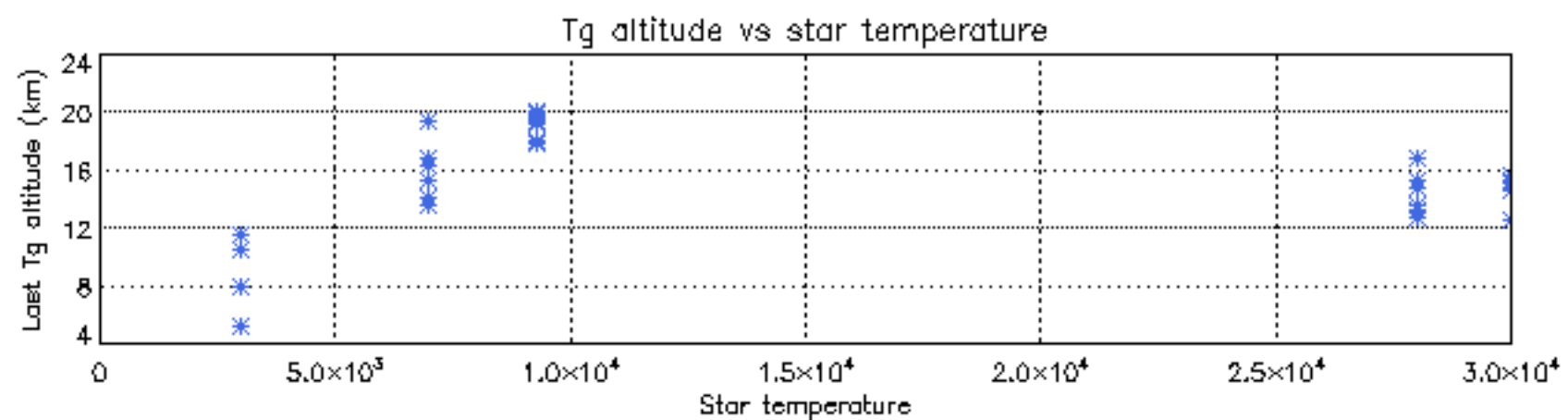
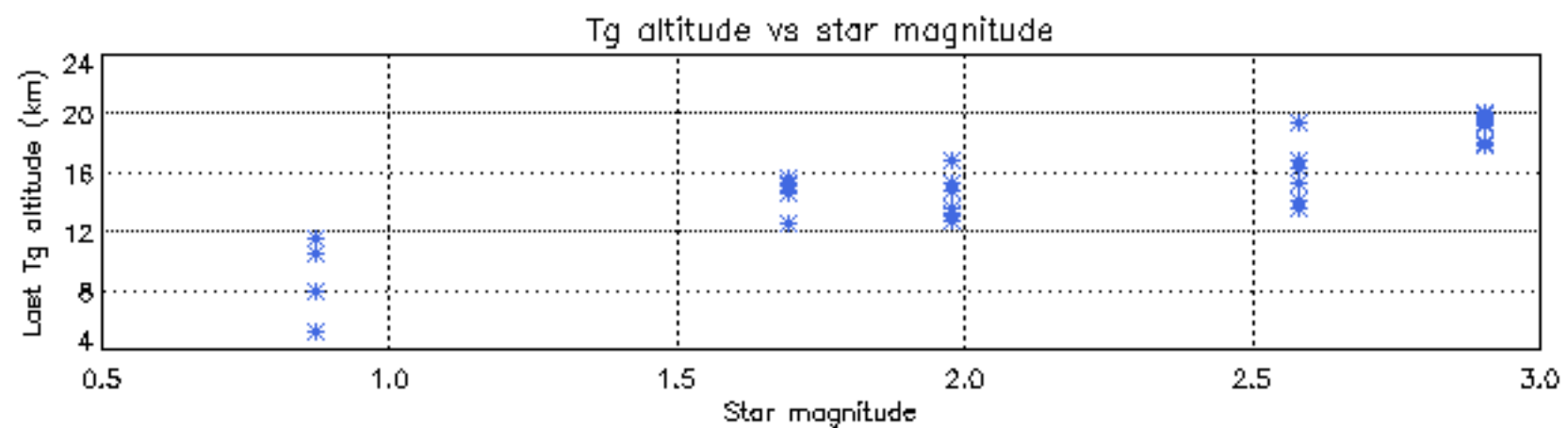
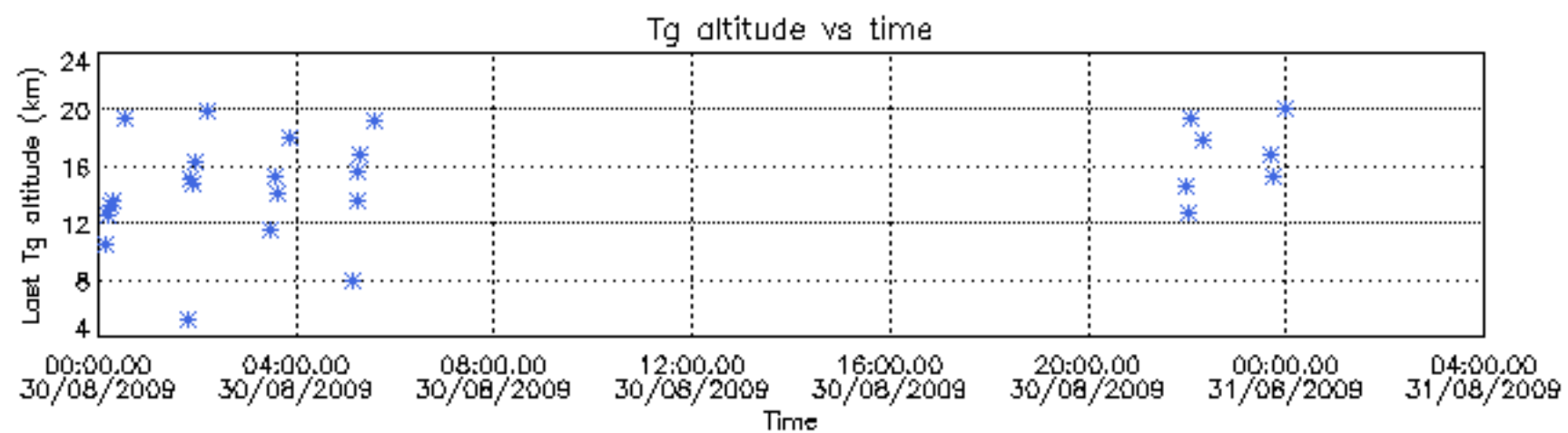
Percentage of star falling outside central band per profile



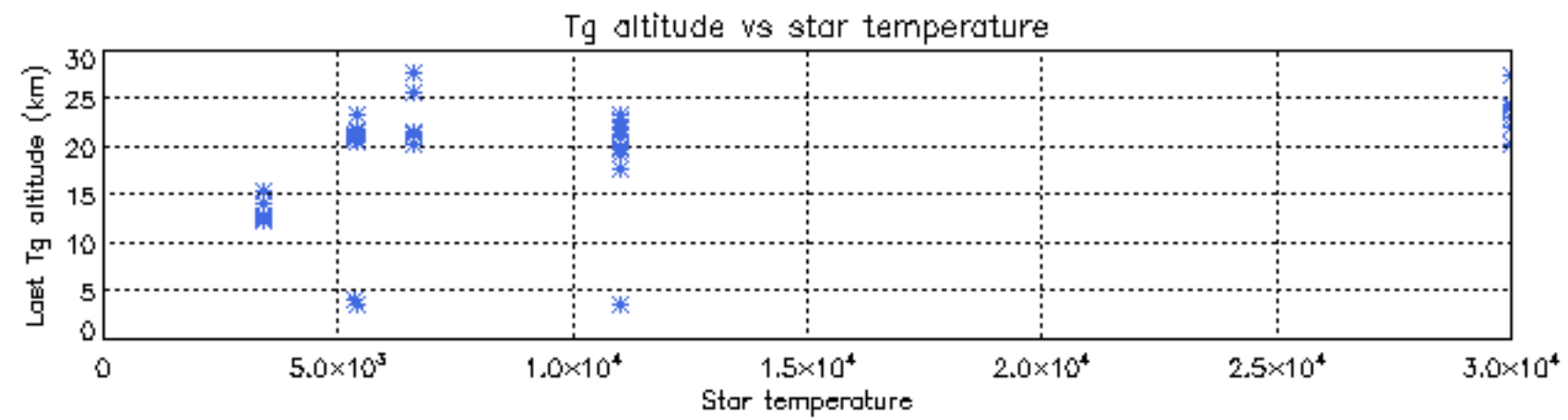
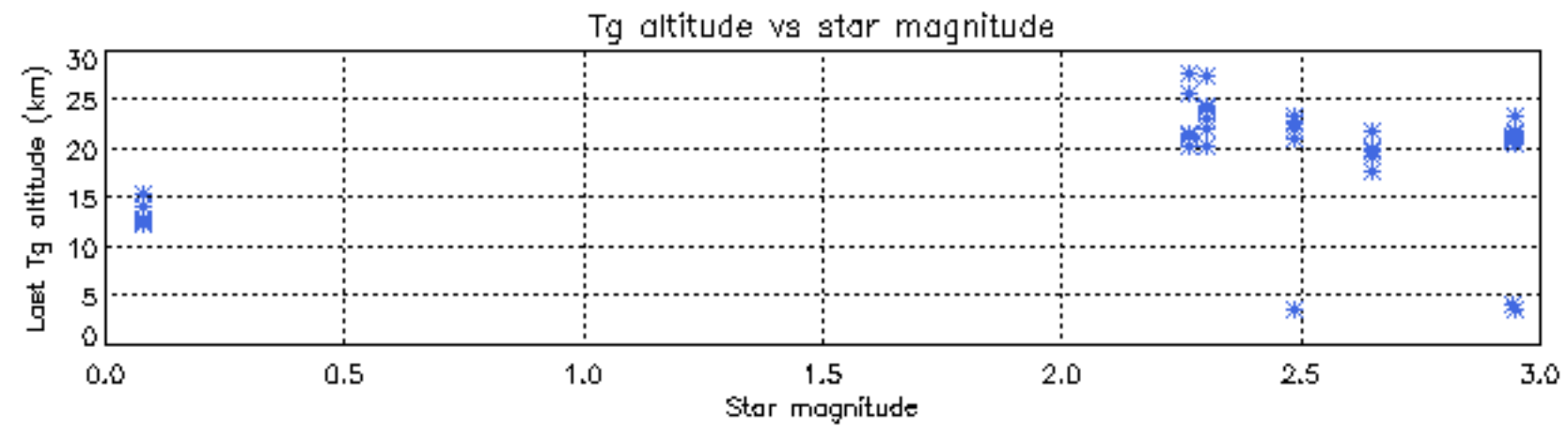
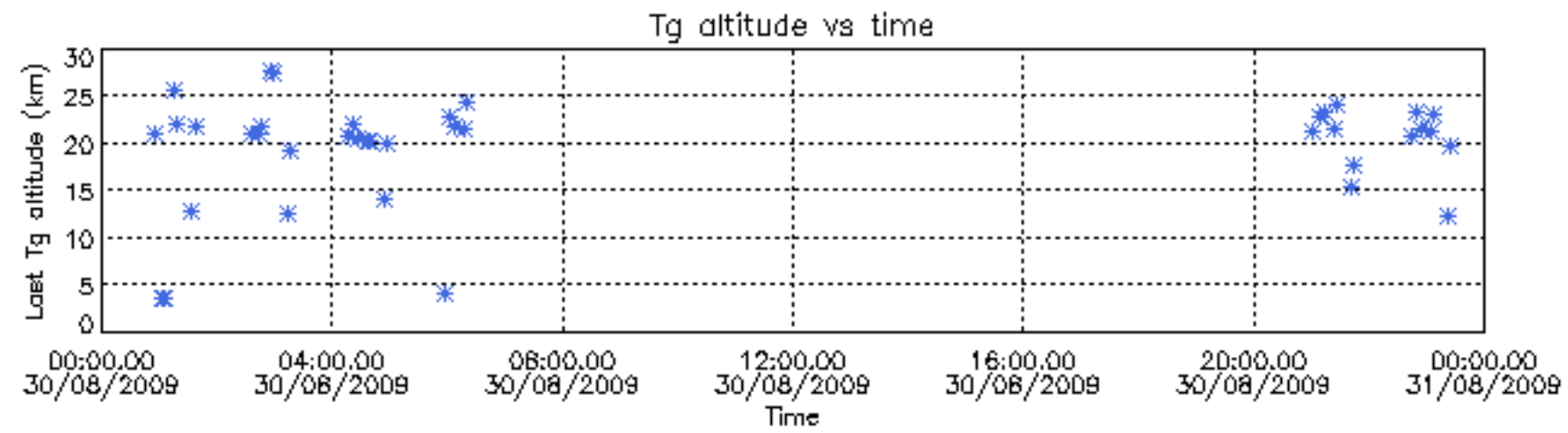
Percentage of saturation errors per profile

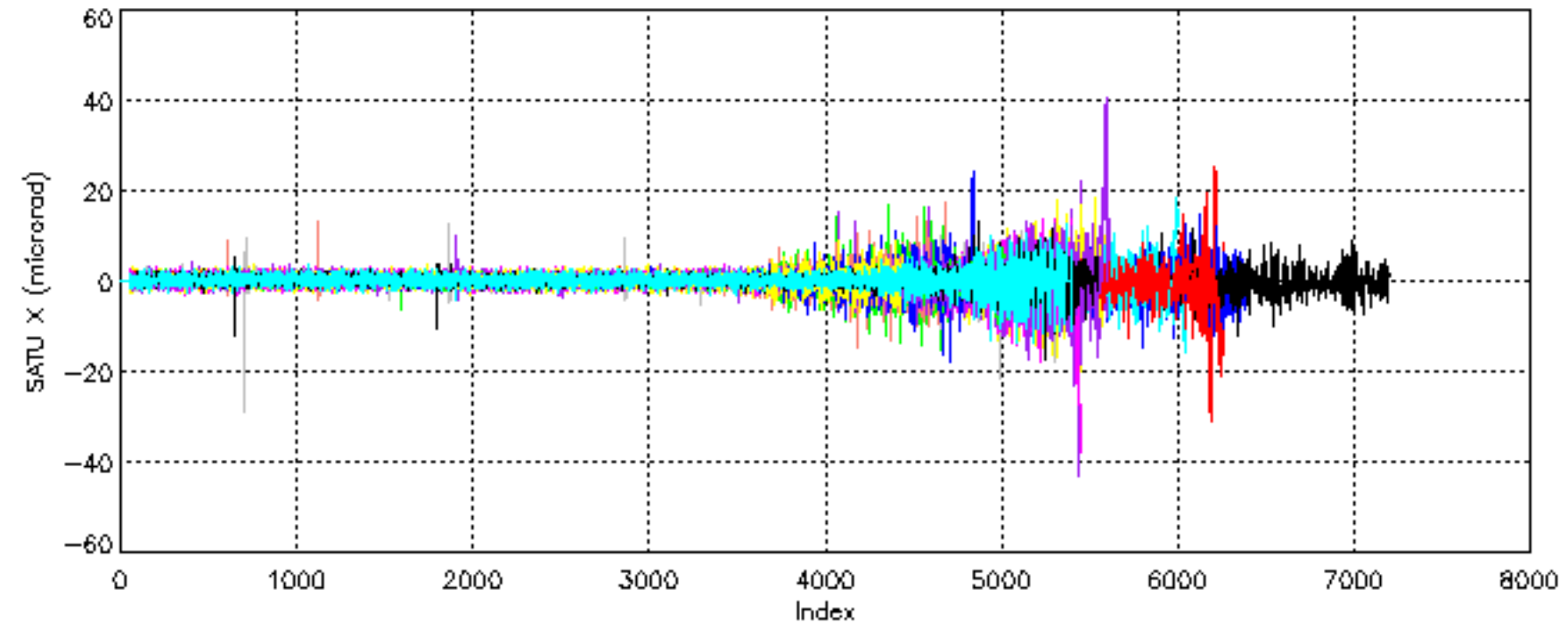


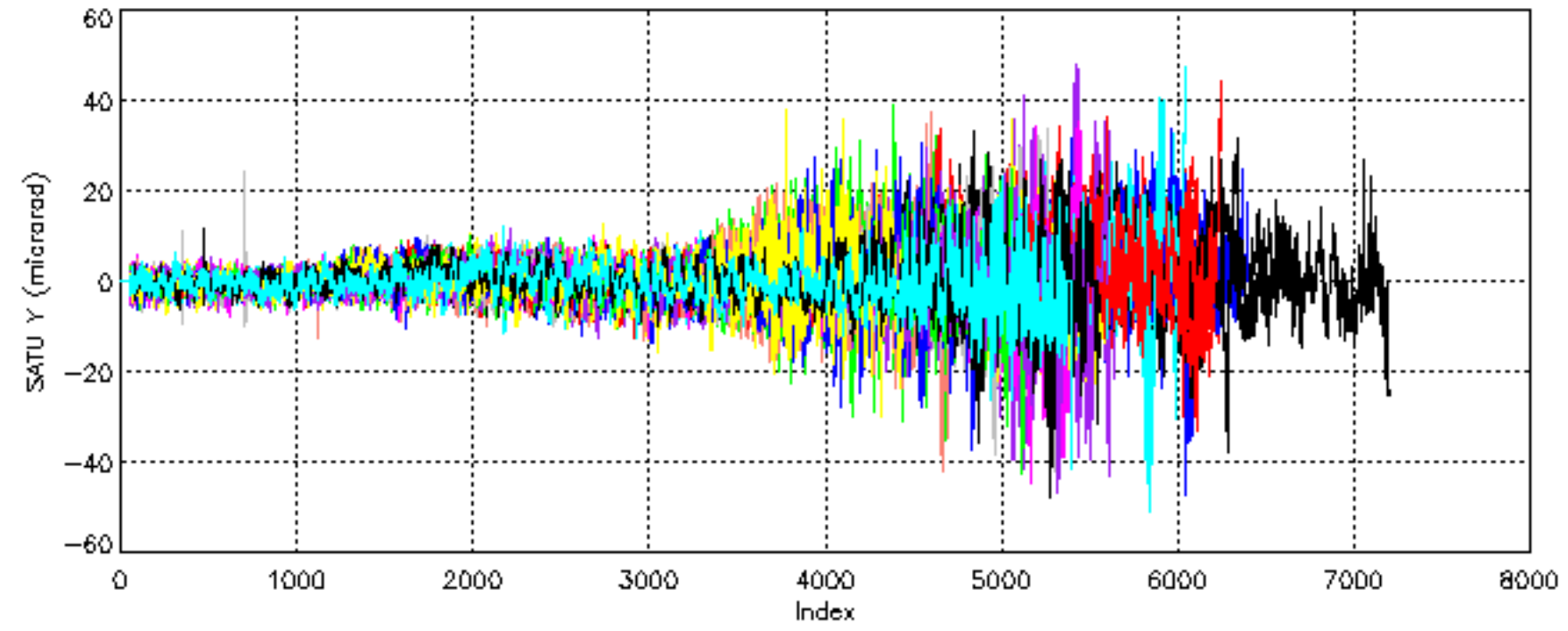
Tangent altitude at which the star is lost

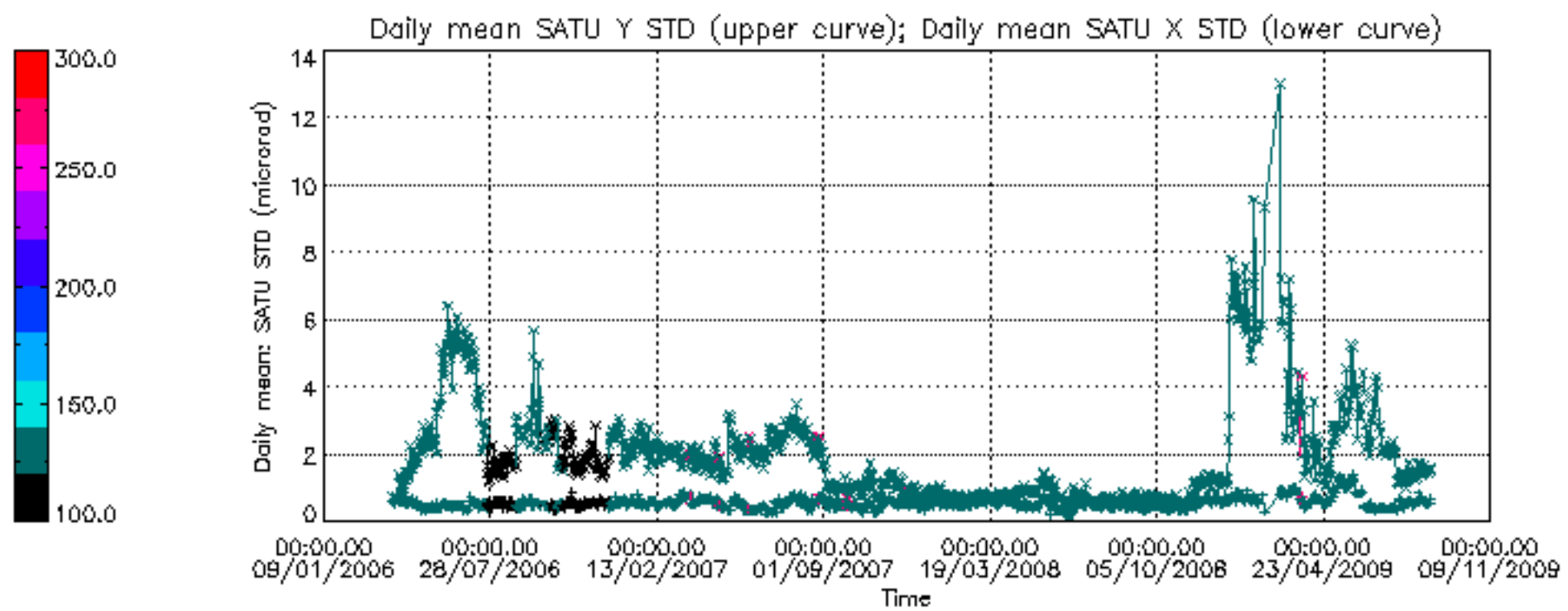


Tangent altitude at which the star is lost









/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
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16; 4662.2; 07-AUG-2009 22:11:05; Dark ; 42.0; 176; 23Zet Tau ; 3.02; 22000;occ; 84; 0;38889
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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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11; 2619.0; 07-AUG-2009 23:17:38; Bright; 41.0; 66; 37Gam Cyg ; 2.21; 5900;occ; 82; 0;38890
12; 2726.1; 07-AUG-2009 23:19:25; Bright; 37.0; 19; 50Alp Cyg ; 1.25; 10500;occ; 74; 0;38890
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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7;-1092.0; 07-AUG-2009 07:10:24; Dark ; 48.0; 27; 24Gam Ori ; 1.64; 26000;occ; 96; 0;38880
8; -817.8; 07-AUG-2009 07:14:58; Dark ; 54.5; 7; 19Bet Ori ; 0.10; 14000;occ; 109; 0;38880
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
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 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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 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
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 7; 3405.4; 07-AUG-2009 10:05:57; Bright; 48.5; 74; 11Bet Cas ; 2.27; 6600;occ; 97; 0;38882
 8; 3532.0; 07-AUG-2009 10:08:04; Bright; 72.0; 76; 27Gam Cas ; 2.30; 30000;occ; 144; 0;38882
 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
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 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
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 7; 3404.6; 07-AUG-2009 11:46:32; Bright; 51.0; 74; 11Bet Cas ; 2.27; 6600;occ; 102; 0;38883
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 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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 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
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 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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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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 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
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5; 2723.3; 08-AUG-2009 14:24:46; Bright; 40.5; 19; 50Alp Cyg ; 1.25; 10500;occ; 81; 0;38899
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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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3; 2158.5; 08-AUG-2009 15:55:57; Bright; 52.0; 61; 8Eps Peg ; 2.10; 3900;occ; 104; 0;38900

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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
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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
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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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 17; 2155.0; 09-AUG-2009 03:40:05; Bright; 52.5; 61; 8Eps Peg ; 2.10; 3900;occ; 105; 0;38907
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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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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
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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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 5; 3040.5; 10-AUG-2009 10:05:37; Bright; 36.5; 89; 5Alp Cep ; 2.45; 8000;occ; 73; 0;38925
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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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 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
 14; 4963.9; 10-AUG-2009 10:37:40; Dark ; 42.5; 27; 24Gam Ori ; 1.64; 26000;occ; 85; 0;38925
 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
 18; 5838.8; 10-AUG-2009 10:52:15; Dark ; 59.0; 0; ; 0.00; 0;occ; 118; 0;38925
 19; 6152.5; 10-AUG-2009 10:57:29; Dark ; 49.5; 157; The1Eri ; 2.91; 9300;occ; 99; 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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 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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 9; 3920.9; 10-AUG-2009 12:00:53; Bright; 50.0; 160; 23Gam Per ; 2.93; 4700;occ; 100; 0;38926
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 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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 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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12; 4198.9; 10-AUG-2009 15:26:43; Bright; 48.0; 6; 13Alp Aur ; 0.08; 3400;occ; 96; 0;38928
13; 4305.5; 10-AUG-2009 15:28:30; Bright; 38.0; 149; 45Eps Per ; 2.89; 30000;occ; 76; 0;38928
14; 4538.5; 10-AUG-2009 15:32:23; Dark ; 47.5; 28; 12Bet Tau ; 1.65; 15200;occ; 95; 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
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 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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12; 4031.6; 10-AUG-2009 17:04:32; Bright; 52.0; 35; 33Alp Per ; 1.79; 6250;occ; 104; 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
11; 732.5; 10-AUG-2009 17:50:09; Dark ; 51.5; 84; Alp Phe ; 2.40; 4500;occ; 103; 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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 14; 4305.3; 10-AUG-2009 18:49:41; Bright; 32.0; 149; 45Eps Per ; 2.89; 30000;occ; 64; 0;38930
 15; 4538.7; 10-AUG-2009 18:53:35; Dark ; 45.5; 28; 12Bet Tau ; 1.65; 15200;occ; 91; 0;38930
 16; 4672.8; 10-AUG-2009 18:55:49; Dark ; 41.0; 176; 23Zet Tau ; 3.02; 22000;occ; 82; 0;38930
 17; 4855.2; 10-AUG-2009 18:58:51; Dark ; 69.5; 13; 87Alp Tau ; 0.87; 3800;occ; 139; 0;38930
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 19; 5073.9; 10-AUG-2009 19:02:30; Dark ; 43.0; 72; 34Del Ori ; 2.25; 30000;occ; 86; 0;38930
 20; 5248.4; 10-AUG-2009 19:05:25; Dark ; 53.5; 7; 19Bet Ori ; 0.10; 14000;occ; 107; 0;38930
 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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 5; 1218.1; 11-AUG-2009 00:40:38; Dark ; 58.0; 18; 24Alp PsA ; 1.17; 9700;occ; 116; 0;38934
 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
 8; 1944.2; 11-AUG-2009 00:52:44; Bright; 45.0; 162; 34Alp Aqr ; 2.94; 5350;occ; 90; 0;38934
 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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 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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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
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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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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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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
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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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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
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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
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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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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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21; 4864.9; 11-AUG-2009 23:29:12; Dark ; 74.5; 13; 87Alp Tau ; 0.87; 3800;occ; 149; 0;38947
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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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
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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
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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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 16; 5086.0; 11-AUG-2009 08:27:30; Dark ; 47.5; 30; 46Eps Ori ; 1.69; 30000;occ; 95; 0;38938
 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
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 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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 19; 5851.1; 11-AUG-2009 10:20:51; Dark ; 59.0; 0; ; 0.00; 0;occ; 118; 0;38939
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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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 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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8; 1935.6; 12-AUG-2009 22:08:45; Bright; 51.0; 162; 34Alp Aqr ; 2.94; 5350;occ; 102; 0;38961
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22; 5182.1; 13-AUG-2009 00:43:28; Dark ; 45.5; 125; 44Iot Ori ; 2.77; 30000;occ; 91; 0;38962
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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
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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
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13; 147.3; 12-AUG-2009 08:14:10; Dark ; 50.0; 157; The1Eri ; 2.91; 9300;occ; 100; 0;38953
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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
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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
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19; 5641.7; 12-AUG-2009 09:45:44; Dark ; 49.0; 165; 34Gam Eri ; 2.95; 3200;occ; 98; 0;38953
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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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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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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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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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5; 2514.9; 12-AUG-2009 13:55:25; Bright; 57.0; 92; 53Eps Cyg ; 2.50; 4500;occ; 114; 0;38956
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8; 3345.9; 12-AUG-2009 14:09:16; Bright; 45.5; 74; 11Bet Cas ; 2.27; 6600;occ; 91; 0;38956
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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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 6; 772.9; 13-AUG-2009 21:17:46; Dark ; 61.0; 84; Alp Phe ; 2.40; 4500;occ; 122; 0;38975
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 10; 1931.2; 13-AUG-2009 21:37:04; Bright; 49.5; 162; 34Alp Aqr ; 2.94; 5350;occ; 99; 0;38975
 11; 2124.7; 13-AUG-2009 21:40:18; Bright; 67.0; 61; 8Eps Peg ; 2.10; 3900;occ; 134; 0;38975
 12; 2509.9; 13-AUG-2009 21:46:43; Bright; 37.5; 92; 53Eps Cyg ; 2.50; 4500;occ; 75; 0;38975
 13; 3024.9; 13-AUG-2009 21:55:18; Bright; 39.0; 89; 5Alp Cep ; 2.45; 8000;occ; 78; 0;38975
 14; 3330.6; 13-AUG-2009 22:00:23; Bright; 46.5; 74; 11Bet Cas ; 2.27; 6600;occ; 93; 0;38975
 15; 3462.9; 13-AUG-2009 22:02:36; Bright; 47.0; 76; 27Gam Cas ; 2.30; 30000;occ; 94; 0;38975
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 17; 4088.2; 13-AUG-2009 22:13:01; Bright; 39.0; 175; 39Del Per ; 3.01; 19400;occ; 78; 0;38975
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 20; 4547.0; 13-AUG-2009 22:20:40; Dark ; 50.0; 28; 12Bet Tau ; 1.65; 15200;occ; 100; 0;38975
 21; 4685.3; 13-AUG-2009 22:22:58; Dark ; 45.0; 176; 23Zet Tau ; 3.02; 22000;occ; 90; 0;38975
 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
5; 1238.3; 13-AUG-2009 23:06:07; Dark ; 55.5; 18; 24Alp PsA ; 1.17; 9700;occ; 111; 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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9; 2124.5; 13-AUG-2009 23:20:53; Bright; 47.0; 61; 8Eps Peg ; 2.10; 3900;occ; 94; 0;38976
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13; 3462.3; 13-AUG-2009 23:43:11; Bright; 47.5; 76; 27Gam Cas ; 2.30; 30000;occ; 95; 0;38976
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23; 5190.1; 14-AUG-2009 00:11:59; Dark ; 44.5; 125; 44Iot Ori ; 2.77; 30000;occ; 89; 0;38976
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12; 163.2; 13-AUG-2009 07:42:49; Dark ; 49.5; 157; The1Eri ; 2.91; 9300;occ; 99; 0;38967
13; 766.2; 13-AUG-2009 07:52:52; Dark ; 58.5; 84; Alp Phe ; 2.40; 4500;occ; 117; 0;38967
14; 1234.1; 13-AUG-2009 08:00:40; Dark ; 55.5; 18; 24Alp PsA ; 1.17; 9700;occ; 111; 0;38967
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3; 2127.9; 13-AUG-2009 08:15:33; Bright; 67.0; 61; 8Eps Peg ; 2.10; 3900;occ; 134; 0;38967
4; 2511.9; 13-AUG-2009 08:21:57; Bright; 37.5; 92; 53Eps Cyg ; 2.50; 4500;occ; 75; 0;38967
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7; 3469.1; 13-AUG-2009 08:37:55; Bright; 47.5; 76; 27Gam Cas ; 2.30; 30000;occ; 95; 0;38967
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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11; 4545.5; 13-AUG-2009 08:55:51; Dark ; 49.0; 28; 12Bet Tau ; 1.65; 15200;occ; 98; 0;38967
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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15; 5101.1; 13-AUG-2009 09:05:07; Dark ; 42.0; 30; 46Eps Ori ; 1.69; 30000;occ; 84; 0;38967
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19; 6200.1; 13-AUG-2009 09:23:26; Dark ; 50.0; 157; The1Eri ; 2.91; 9300;occ; 100; 0;38967
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4; 2511.5; 13-AUG-2009 10:02:33; Bright; 57.0; 92; 53Eps Cyg ; 2.50; 4500;occ; 114; 0;38968
5; 3027.1; 13-AUG-2009 10:11:08; Bright; 38.0; 89; 5Alp Cep ; 2.45; 8000;occ; 76; 0;38968
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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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13; 4683.4; 13-AUG-2009 10:38:45; Dark ; 45.0; 176; 23Zet Tau ; 3.02; 22000;occ; 90; 0;38968
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22; 6804.7; 13-AUG-2009 12:54:42; Dark ; 50.5; 84; Alp Phe ; 2.40; 4500;occ; 101; 0;38969
23; 7271.5; 13-AUG-2009 13:02:29; Dark ; 54.5; 18; 24Alp PsA ; 1.17; 9700;occ; 109; 0;38969
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13; 4683.9; 13-AUG-2009 13:59:57; Dark ; 43.5; 176; 23Zet Tau ; 3.02; 22000;occ; 87; 0;38970
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13; 4546.3; 13-AUG-2009 15:38:15; Dark ; 51.5; 28; 12Bet Tau ; 1.65; 15200;occ; 103; 0;38971
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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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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
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11; 4089.4; 13-AUG-2009 17:11:14; Bright; 43.0; 175; 39Del Per ; 3.01; 19400;occ; 86; 0;38972
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18; 5103.8; 13-AUG-2009 17:28:09; Dark ; 46.0; 30; 46Eps Ori ; 1.69; 30000;occ; 92; 0;38972
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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
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3; 1801.3; 13-AUG-2009 18:13:42; Bright; 43.0; 154; 22Bet Aqr ; 2.90; 5700;occ; 86; 0;38973
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7; 3025.6; 13-AUG-2009 18:34:07; Bright; 39.5; 89; 5Alp Cep ; 2.45; 8000;occ; 79; 0;38973
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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
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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
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 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
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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
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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
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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
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 8; 2508.7; 14-AUG-2009 06:09:41; Bright; 37.0; 92; 53Eps Cyg ; 2.50; 4500;occ; 74; 0;38980
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7; 3457.9; 14-AUG-2009 09:46:42; Bright; 49.0; 76; 27Gam Cas ; 2.30; 30000;occ; 98; 0;38982
8; 3890.8; 14-AUG-2009 09:53:55; Bright; 30.0; 160; 23Gam Per ; 2.93; 4700;occ; 60; 0;38982
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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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18; 3293.1; 17-AUG-2009 06:28:30; Bright; 48.5; 74; 11Bet Cas ; 2.27; 6600;occ; 97; 0;39023
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9; 4191.0; 17-AUG-2009 21:48:52; Bright; 63.0; 6; 13Alp Aur ; 0.08; 3400;occ; 126; 0;39032
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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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5; 822.7; 18-AUG-2009 00:13:55; Dark ; 61.5; 84; Alp Phe ; 2.40; 4500;occ; 123; 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
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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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 5; 3424.7; 17-AUG-2009 11:32:30; Bright; 46.5; 76; 27Gam Cas ; 2.30; 30000;occ; 93; 0;39026
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 2; 1799.4; 17-AUG-2009 12:46:00; Bright; 41.0; 154; 22Bet Aqr ; 2.90; 5700;occ; 82; 0;39027
 3; 1918.3; 17-AUG-2009 12:47:59; Bright; 45.0; 162; 34Alp Aqr ; 2.94; 5350;occ; 90; 0;39027
 4; 2107.8; 17-AUG-2009 12:51:09; Bright; 44.0; 61; 8Eps Peg ; 2.10; 3900;occ; 88; 0;39027
 5; 3290.1; 17-AUG-2009 13:10:51; Bright; 45.0; 74; 11Bet Cas ; 2.27; 6600;occ; 90; 0;39027
 6; 3423.9; 17-AUG-2009 13:13:05; Bright; 49.0; 76; 27Gam Cas ; 2.30; 30000;occ; 98; 0;39027
 7; 4191.8; 17-AUG-2009 13:25:53; Bright; 63.0; 6; 13Alp Aur ; 0.08; 3400;occ; 126; 0;39027


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8; 4368.8; 17-AUG-2009 13:28:50; Bright; 40.0; 107; 37The Aur ; 2.65; 11000;occ; 80; 0;39027
9; 4557.3; 17-AUG-2009 13:31:58; Dark ; 52.0; 28; 12Bet Tau ; 1.65; 15200;occ; 104; 0;39027
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11; 4941.1; 17-AUG-2009 13:38:22; Dark ; 52.5; 14; 58Alp Ori ; 0.87; 3000;occ; 105; 0;39027
12; 5136.5; 17-AUG-2009 13:41:37; Dark ; 48.5; 30; 46Eps Ori ; 1.69; 30000;occ; 97; 0;39027
13; 5222.5; 17-AUG-2009 13:43:03; Dark ; 46.5; 125; 44Iot Ori ; 2.77; 30000;occ; 93; 0;39027
14; 5320.0; 17-AUG-2009 13:44:41; Dark ; 56.5; 7; 19Bet Ori ; 0.10; 14000;occ; 113; 0;39027
15; 5429.5; 17-AUG-2009 13:46:30; Dark ; 47.5; 101; 11Alp Lep ; 2.58; 7000;occ; 95; 0;39027
16; 5600.6; 17-AUG-2009 13:49:21; Dark ; 59.0; 0; ; 0.00; 0;occ; 118; 0;39027
17; 6270.8; 17-AUG-2009 14:00:32; Dark ; 51.0; 157; The1Eri ; 2.91; 9300;occ; 102; 0;39027
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2; 1799.6; 17-AUG-2009 14:26:36; Bright; 41.5; 154; 22Bet Aqr ; 2.90; 5700;occ; 83; 0;39028
3; 1918.1; 17-AUG-2009 14:28:35; Bright; 47.0; 162; 34Alp Aqr ; 2.94; 5350;occ; 94; 0;39028
4; 2107.6; 17-AUG-2009 14:31:44; Bright; 43.5; 61; 8Eps Peg ; 2.10; 3900;occ; 87; 0;39028
5; 3289.7; 17-AUG-2009 14:51:26; Bright; 45.0; 74; 11Bet Cas ; 2.27; 6600;occ; 90; 0;39028
6; 3423.3; 17-AUG-2009 14:53:40; Bright; 47.0; 76; 27Gam Cas ; 2.30; 30000;occ; 94; 0;39028
7; 4191.6; 17-AUG-2009 15:06:28; Bright; 49.5; 6; 13Alp Aur ; 0.08; 3400;occ; 99; 0;39028
8; 4368.9; 17-AUG-2009 15:09:26; Bright; 39.5; 107; 37The Aur ; 2.65; 11000;occ; 79; 0;39028
9; 4557.5; 17-AUG-2009 15:12:34; Dark ; 54.0; 28; 12Bet Tau ; 1.65; 15200;occ; 108; 0;39028
10; 4702.0; 17-AUG-2009 15:14:59; Dark ; 47.0; 176; 23Zet Tau ; 3.02; 22000;occ; 94; 0;39028
11; 4941.7; 17-AUG-2009 15:18:58; Dark ; 49.0; 14; 58Alp Ori ; 0.87; 3000;occ; 98; 0;39028
12; 5137.2; 17-AUG-2009 15:22:14; Dark ; 50.0; 30; 46Eps Ori ; 1.69; 30000;occ; 100; 0;39028
13; 5223.2; 17-AUG-2009 15:23:40; Dark ; 45.0; 125; 44Iot Ori ; 2.77; 30000;occ; 90; 0;39028
14; 5320.9; 17-AUG-2009 15:25:18; Dark ; 56.0; 7; 19Bet Ori ; 0.10; 14000;occ; 112; 0;39028
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3; 1799.5; 17-AUG-2009 16:07:12; Bright; 41.0; 154; 22Bet Aqr ; 2.90; 5700;occ; 82; 0;39029
4; 1917.8; 17-AUG-2009 16:09:10; Bright; 47.5; 162; 34Alp Aqr ; 2.94; 5350;occ; 95; 0;39029
5; 2107.3; 17-AUG-2009 16:12:20; Bright; 63.0; 61; 8Eps Peg ; 2.10; 3900;occ; 126; 0;39029
6; 3288.7; 17-AUG-2009 16:32:01; Bright; 48.5; 74; 11Bet Cas ; 2.27; 6600;occ; 97; 0;39029
7; 3422.5; 17-AUG-2009 16:34:15; Bright; 47.0; 76; 27Gam Cas ; 2.30; 30000;occ; 94; 0;39029
8; 4191.5; 17-AUG-2009 16:47:04; Bright; 52.5; 6; 13Alp Aur ; 0.08; 3400;occ; 105; 0;39029
9; 4368.8; 17-AUG-2009 16:50:02; Bright; 39.0; 107; 37The Aur ; 2.65; 11000;occ; 78; 0;39029
10; 4557.5; 17-AUG-2009 16:53:10; Dark ; 50.5; 28; 12Bet Tau ; 1.65; 15200;occ; 101; 0;39029
11; 4702.2; 17-AUG-2009 16:55:35; Dark ; 48.0; 176; 23Zet Tau ; 3.02; 22000;occ; 96; 0;39029
12; 4942.2; 17-AUG-2009 16:59:35; Dark ; 55.0; 14; 58Alp Ori ; 0.87; 3000;occ; 110; 0;39029
13; 5137.8; 17-AUG-2009 17:02:50; Dark ; 50.0; 30; 46Eps Ori ; 1.69; 30000;occ; 100; 0;39029
14; 5223.9; 17-AUG-2009 17:04:17; Dark ; 48.0; 125; 44Iot Ori ; 2.77; 30000;occ; 96; 0;39029
15; 5321.7; 17-AUG-2009 17:05:54; Dark ; 56.5; 7; 19Bet Ori ; 0.10; 14000;occ; 113; 0;39029
16; 5430.9; 17-AUG-2009 17:07:44; Dark ; 48.0; 101; 11Alp Lep ; 2.58; 7000;occ; 96; 0;39029
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18; 6273.2; 17-AUG-2009 17:21:46; Dark ; 53.5; 157; The1Eri ; 2.91; 9300;occ; 107; 0;39029
19; 6855.5; 17-AUG-2009 17:31:28; Dark ; 50.5; 84; Alp Phe ; 2.40; 4500;occ; 101; 0;39029
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3; 1799.5; 17-AUG-2009 17:47:48; Bright; 42.0; 154; 22Bet Aqr ; 2.90; 5700;occ; 84; 0;39030
4; 1917.6; 17-AUG-2009 17:49:46; Bright; 47.0; 162; 34Alp Aqr ; 2.94; 5350;occ; 94; 0;39030
5; 2107.0; 17-AUG-2009 17:52:56; Bright; 63.0; 61; 8Eps Peg ; 2.10; 3900;occ; 126; 0;39030
6; 3287.7; 17-AUG-2009 18:12:36; Bright; 47.5; 74; 11Bet Cas ; 2.27; 6600;occ; 95; 0;39030
7; 3379.1; 17-AUG-2009 18:14:08; Bright; 25.0; 68; 18Alp Cas ; 2.22; 4500;occ; 50; 0;39030
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9; 4191.3; 17-AUG-2009 18:27:40; Bright; 51.0; 6; 13Alp Aur ; 0.08; 3400;occ; 102; 0;39030
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11; 4557.7; 17-AUG-2009 18:33:46; Dark ; 50.5; 28; 12Bet Tau ; 1.65; 15200;occ; 101; 0;39030
12; 4702.4; 17-AUG-2009 18:36:11; Dark ; 47.0; 176; 23Zet Tau ; 3.02; 22000;occ; 94; 0;39030
13; 4942.6; 17-AUG-2009 18:40:11; Dark ; 56.5; 14; 58Alp Ori ; 0.87; 3000;occ; 113; 0;39030
14; 5138.4; 17-AUG-2009 18:43:27; Dark ; 50.5; 30; 46Eps Ori ; 1.69; 30000;occ; 101; 0;39030
15; 5224.4; 17-AUG-2009 18:44:53; Dark ; 47.0; 125; 44Iot Ori ; 2.77; 30000;occ; 94; 0;39030

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17; 5431.5; 17-AUG-2009 18:48:20; Dark ; 47.0; 101; 11Alp Lep ; 2.58; 7000;occ; 94; 0;39030
18; 5603.1; 17-AUG-2009 18:51:12; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;39030
19; 6274.3; 17-AUG-2009 19:02:23; Dark ; 52.5; 157; The1Eri ; 2.91; 9300;occ; 105; 0;39030
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13; 4942.9; 17-AUG-2009 20:20:48; Dark ; 61.0; 14; 58Alp Ori ; 0.87; 3000;occ; 122; 0;39031
14; 5139.0; 17-AUG-2009 20:24:04; Dark ; 50.0; 30; 46Eps Ori ; 1.69; 30000;occ; 100; 0;39031
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16; 5323.4; 17-AUG-2009 20:27:08; Dark ; 67.0; 7; 19Bet Ori ; 0.10; 14000;occ; 134; 0;39031
17; 5432.3; 17-AUG-2009 20:28:57; Dark ; 48.0; 101; 11Alp Lep ; 2.58; 7000;occ; 96; 0;39031
18; 5603.8; 17-AUG-2009 20:31:49; Dark ; 59.0; 0; ; 0.00; 0;occ; 118; 0;39031
19; 6275.4; 17-AUG-2009 20:43:00; Dark ; 53.0; 157; The1Eri ; 2.91; 9300;occ; 106; 0;39031
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12; 2105.4; 18-AUG-2009 02:15:54; Bright; 44.0; 61; 8Eps Peg ; 2.10; 3900;occ; 88; 0;39035
13; 3283.6; 18-AUG-2009 02:35:32; Bright; 44.0; 74; 11Bet Cas ; 2.27; 6600;occ; 88; 0;39035
14; 3374.4; 18-AUG-2009 02:37:03; Bright; 29.0; 68; 18Alp Cas ; 2.22; 4500;occ; 58; 0;39035
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9; 4370.8; 19-AUG-2009 17:27:25; Bright; 60.0; 107; 37The Aur ; 2.65; 11000;occ; 120; 0;39058
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16; 5348.1; 19-AUG-2009 19:24:19; Dark ; 55.5; 7; 19Bet Ori ; 0.10; 14000;occ; 111; 0;39059
17; 5452.9; 19-AUG-2009 19:26:04; Dark ; 46.5; 101; 11Alp Lep ; 2.58; 7000;occ; 93; 0;39059
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 5; 3246.3; 21-AUG-2009 14:24:51; Bright; 45.0; 74; 11Bet Cas ; 2.27; 6600;occ; 90; 0;39085
 6; 3380.3; 21-AUG-2009 14:27:05; Bright; 47.5; 76; 27Gam Cas ; 2.30; 30000;occ; 95; 0;39085
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 14; 5274.0; 22-AUG-2009 09:25:14; Dark ; 45.5; 125; 44Iot Ori ; 2.77; 30000;occ; 91; 0;39096
 15; 5384.3; 22-AUG-2009 09:27:04; Dark ; 74.0; 7; 19Bet Ori ; 0.10; 14000;occ; 148; 0;39096
 16; 5482.8; 22-AUG-2009 09:28:43; Dark ; 49.0; 101; 11Alp Lep ; 2.58; 7000;occ; 98; 0;39096
 17; 5657.8; 22-AUG-2009 09:31:38; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;39096
 18; 6354.2; 22-AUG-2009 09:43:14; Dark ; 52.5; 157; The1Eri ; 2.91; 9300;occ; 105; 0;39096
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 3; 2588.3; 22-AUG-2009 10:21:04; Bright; 50.0; 164; 44Eta Peg ; 2.95; 5400;occ; 100; 0;39097
 4; 3237.6; 22-AUG-2009 10:31:53; Bright; 48.0; 74; 11Bet Cas ; 2.27; 6600;occ; 96; 0;39097
 5; 3371.3; 22-AUG-2009 10:34:07; Bright; 48.5; 76; 27Gam Cas ; 2.30; 30000;occ; 97; 0;39097
 6; 4183.0; 22-AUG-2009 10:47:39; Bright; 57.0; 6; 13Alp Aur ; 0.08; 3400;occ; 114; 0;39097
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 9; 4571.9; 22-AUG-2009 10:54:08; Dark ; 52.5; 28; 12Bet Tau ; 1.65; 15200;occ; 105; 0;39097
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 12; 5068.3; 22-AUG-2009 11:02:24; Dark ; 58.5; 27; 24Gam Ori ; 1.64; 26000;occ; 117; 0;39097
 13; 5185.8; 22-AUG-2009 11:04:22; Dark ; 55.0; 30; 46Eps Ori ; 1.69; 30000;occ; 110; 0;39097
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 15; 5385.2; 22-AUG-2009 11:07:41; Dark ; 62.0; 7; 19Bet Ori ; 0.10; 14000;occ; 124; 0;39097
 16; 5483.5; 22-AUG-2009 11:09:19; Dark ; 47.5; 101; 11Alp Lep ; 2.58; 7000;occ; 95; 0;39097
 17; 5658.6; 22-AUG-2009 11:12:14; Dark ; 59.0; 0; ; 0.00; 0;occ; 118; 0;39097
 18; 6355.3; 22-AUG-2009 11:23:51; Dark ; 51.5; 157; The1Eri ; 2.91; 9300;occ; 103; 0;39097
 19; 6907.9; 22-AUG-2009 11:33:04; Dark ; 52.0; 84; Alp Phe ; 2.40; 4500;occ; 104; 0;39097
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 3; 2587.5; 22-AUG-2009 12:01:39; Bright; 48.5; 164; 44Eta Peg ; 2.95; 5400;occ; 97; 0;39098
 4; 3236.8; 22-AUG-2009 12:12:28; Bright; 46.5; 74; 11Bet Cas ; 2.27; 6600;occ; 93; 0;39098
 5; 3370.4; 22-AUG-2009 12:14:42; Bright; 48.0; 76; 27Gam Cas ; 2.30; 30000;occ; 96; 0;39098
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 8; 4572.2; 22-AUG-2009 12:34:44; Dark ; 55.5; 28; 12Bet Tau ; 1.65; 15200;occ; 111; 0;39098
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13; 5275.1; 22-AUG-2009 12:46:27; Dark ; 48.5; 125; 44Iot Ori ; 2.77; 30000;occ; 97; 0;39098
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16; 5659.5; 22-AUG-2009 12:52:51; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;39098
17; 6356.7; 22-AUG-2009 13:04:28; Dark ; 52.0; 157; The1Eri ; 2.91; 9300;occ; 104; 0;39098
18; 6908.9; 22-AUG-2009 13:13:40; Dark ; 49.5; 84; Alp Phe ; 2.40; 4500;occ; 99; 0;39098
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 4; 3236.1; 22-AUG-2009 13:53:04; Bright; 49.5; 74; 11Bet Cas ; 2.27; 6600;occ; 99; 0;39099
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13; 5276.1; 22-AUG-2009 14:27:04; Dark ; 48.0; 125; 44Iot Ori ; 2.77; 30000;occ; 96; 0;39099
14; 5387.2; 22-AUG-2009 14:28:55; Dark ; 66.0; 7; 19Bet Ori ; 0.10; 14000;occ; 132; 0;39099
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16; 5660.4; 22-AUG-2009 14:33:28; Dark ; 59.0; 0; ; 0.00; 0;occ; 118; 0;39099
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18; 6909.6; 22-AUG-2009 14:54:17; Dark ; 51.5; 84; Alp Phe ; 2.40; 4500;occ; 103; 0;39099
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 3; 2090.8; 22-AUG-2009 15:14:34; Bright; 42.0; 61; 8Eps Peg ; 2.10; 3900;occ; 84; 0;39100
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10; 4977.9; 22-AUG-2009 16:02:41; Dark ; 54.0; 14; 58Alp Ori ; 0.87; 3000;occ; 108; 0;39100
11; 5070.8; 22-AUG-2009 16:04:14; Dark ; 59.0; 27; 24Gam Ori ; 1.64; 26000;occ; 118; 0;39100
12; 5188.4; 22-AUG-2009 16:06:12; Dark ; 56.5; 30; 46Eps Ori ; 1.69; 30000;occ; 113; 0;39100
13; 5277.2; 22-AUG-2009 16:07:41; Dark ; 47.0; 125; 44Iot Ori ; 2.77; 30000;occ; 94; 0;39100
14; 5388.4; 22-AUG-2009 16:09:32; Dark ; 71.5; 7; 19Bet Ori ; 0.10; 14000;occ; 143; 0;39100
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13; 5189.0; 22-AUG-2009 17:46:48; Dark ; 54.5; 30; 46Eps Ori ; 1.69; 30000;occ; 109; 0;39101
14; 5277.9; 22-AUG-2009 17:48:17; Dark ; 50.5; 125; 44Iot Ori ; 2.77; 30000;occ; 101; 0;39101
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17; 5662.3; 22-AUG-2009 17:54:42; Dark ; 59.0; 0; ; 0.00; 0;occ; 118; 0;39101
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13; 5201.0; 23-AUG-2009 18:55:59; Dark ; 53.0; 30; 46Eps Ori ; 1.69; 30000;occ; 106; 0;39116
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 8; 4374.0; 23-AUG-2009 20:22:48; Bright; 44.5; 107; 37The Aur ; 2.65; 11000;occ; 89; 0;39117
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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
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 6; 3355.6; 23-AUG-2009 21:46:26; Bright; 48.0; 76; 27Gam Cas ; 2.30; 30000;occ; 96; 0;39118
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 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
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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
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 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
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 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
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 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
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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
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 13; 4374.2; 24-AUG-2009 01:24:36; Bright; 41.5; 107; 37The Aur ; 2.65; 11000;occ; 83; 0;39120
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 4; -472.0; 24-AUG-2009 01:44:26; Dark ; 52.0; 139; 9Bet Lep ; 2.83; 5600;occ; 104; 0;39120
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 6; 347.8; 24-AUG-2009 01:58:06; Dark ; 53.0; 157; The1Eri ; 2.91; 9300;occ; 106; 0;39121
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19; 7337.5; 25-AUG-2009 11:45:58; Dark ; 47.0; 18; 24Alp PsA ; 1.17; 9700;occ; 94; 0;39140
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3; 2556.1; 25-AUG-2009 12:06:52; Bright; 45.0; 164; 44Eta Peg ; 2.95; 5400;occ; 90; 0;39141
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6; 4375.3; 25-AUG-2009 12:37:12; Bright; 42.5; 107; 37The Aur ; 2.65; 11000;occ; 85; 0;39141
7; 4582.2; 25-AUG-2009 12:40:39; Dark ; 60.0; 28; 12Bet Tau ; 1.65; 15200;occ; 120; 0;39141
8; 4759.3; 25-AUG-2009 12:43:36; Dark ; 45.5; 44; 24Gam Gem ; 1.93; 11000;occ; 91; 0;39141
9; 5001.7; 25-AUG-2009 12:47:38; Dark ; 57.5; 14; 58Alp Ori ; 0.87; 3000;occ; 115; 0;39141
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11; 5222.2; 25-AUG-2009 12:51:18; Dark ; 55.0; 33; 50Zet Ori ; 1.77; 30000;occ; 110; 0;39141
12; 5312.9; 25-AUG-2009 12:52:49; Dark ; 52.5; 125; 44Iot Ori ; 2.77; 30000;occ; 105; 0;39141
13; 5406.5; 25-AUG-2009 12:54:23; Dark ; 62.0; 128; 67Bet Eri ; 2.78; 9700;occ; 124; 0;39141
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17; 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; 3206.0; 25-AUG-2009 12:17:42; Bright; 46.0; 74; 11Bet Cas ; 2.27; 6600;occ; 92; 0;39141
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
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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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4; 3205.3; 25-AUG-2009 13:58:18; Bright; 42.0; 74; 11Bet Cas ; 2.27; 6600;occ; 84; 0;39142
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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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16; 5700.5; 25-AUG-2009 14:39:53; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;39142
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9; 4375.7; 25-AUG-2009 21:00:12; Bright; 45.0; 107; 37The Aur ; 2.65; 11000;occ; 90; 0;39146
10; 4583.3; 25-AUG-2009 21:03:39; Dark ; 59.5; 28; 12Bet Tau ; 1.65; 15200;occ; 119; 0;39146
11; 4761.0; 25-AUG-2009 21:06:37; Dark ; 44.0; 44; 24Gam Gem ; 1.93; 11000;occ; 88; 0;39146
12; 5004.9; 25-AUG-2009 21:10:41; Dark ; 60.0; 14; 58Alp Ori ; 0.87; 3000;occ; 120; 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
4; -596.3; 25-AUG-2009 21:17:56; Dark ; 75.5; 7; 19Bet Ori ; 0.10; 14000;occ; 151; 0;39146
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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
8; 906.8; 25-AUG-2009 21:42:59; Dark ; 55.5; 84; Alp Phe ; 2.40; 4500;occ; 111; 0;39147
9; 1303.7; 25-AUG-2009 21:49:36; Dark ; 48.5; 18; 24Alp PsA ; 1.17; 9700;occ; 97; 0;39147
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13; 3201.7; 25-AUG-2009 22:21:14; Bright; 47.5; 74; 11Bet Cas ; 2.27; 6600;occ; 95; 0;39147
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 6; 3335.8; 25-AUG-2009 19:02:16; Bright; 47.5; 76; 27Gam Cas ; 2.30; 30000;occ; 95; 0;39145
 7; 4175.2; 25-AUG-2009 19:16:15; Bright; 52.0; 6; 13Alp Aur ; 0.08; 3400;occ; 104; 0;39145
 8; 4375.5; 25-AUG-2009 19:19:36; Bright; 43.0; 107; 37The Aur ; 2.65; 11000;occ; 86; 0;39145

9; 4583.2; 25-AUG-2009 19:23:03; Dark ; 59.0; 28; 12Bet Tau ; 1.65; 15200;occ; 118; 0;39145
 10; 4760.8; 25-AUG-2009 19:26:01; Dark ; 47.5; 44; 24Gam Gem ; 1.93; 11000;occ; 95; 0;39145
 11; 5004.3; 25-AUG-2009 19:30:04; Dark ; 68.0; 14; 58Alp Ori ; 0.87; 3000;occ; 136; 0;39145
 12; 5108.7; 25-AUG-2009 19:31:49; Dark ; 64.0; 27; 24Gam Ori ; 1.64; 26000;occ; 128; 0;39145
 13; 5226.2; 25-AUG-2009 19:33:46; Dark ; 58.5; 30; 46Eps Ori ; 1.69; 30000;occ; 117; 0;39145
 14; 5343.4; 25-AUG-2009 19:35:44; Dark ; 52.0; 56; 53Kap Ori ; 2.07; 30000;occ; 104; 0;39145
 15; 5438.4; 25-AUG-2009 19:37:19; Dark ; 66.0; 7; 19Bet Ori ; 0.10; 14000;occ; 132; 0;39145
 16; 5587.5; 25-AUG-2009 19:39:48; Dark ; 50.0; 139; 9Bet Lep ; 2.83; 5600;occ; 100; 0;39145
 17; 5703.5; 25-AUG-2009 19:41:44; Dark ; 59.0; 0; ; 0.00; 0;occ; 118; 0;39145
 18; 6414.6; 25-AUG-2009 19:53:35; Dark ; 54.0; 157; The1Eri ; 2.91; 9300;occ; 108; 0;39145
 19; 6942.1; 25-AUG-2009 20:02:22; Dark ; 46.5; 84; Alp Phe ; 2.40; 4500;occ; 93; 0;39145

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 7; 908.0; 26-AUG-2009 01:04:12; Dark ; 59.0; 84; Alp Phe ; 2.40; 4500;occ; 118; 0;39149
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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
 13; 3332.8; 26-AUG-2009 01:44:36; Bright; 45.5; 76; 27Gam Cas ; 2.30; 30000;occ; 91; 0;39149
 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
 18; 5006.9; 26-AUG-2009 02:12:31; Dark ; 65.5; 14; 58Alp Ori ; 0.87; 3000;occ; 131; 0;39149

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 3; -806.3; 26-AUG-2009 02:16:13; Dark ; 57.5; 30; 46Eps Ori ; 1.69; 30000;occ; 115; 0;39149
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 7; -328.5; 26-AUG-2009 02:24:11; Dark ; 59.0; 0; ; 0.00; 0;occ; 118; 0;39149
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 9; 908.8; 26-AUG-2009 02:44:48; Dark ; 52.5; 84; Alp Phe ; 2.40; 4500;occ; 105; 0;39150
 10; 1304.5; 26-AUG-2009 02:51:24; Dark ; 48.5; 18; 24Alp PsA ; 1.17; 9700;occ; 97; 0;39150
 11; 1900.2; 26-AUG-2009 03:01:20; Bright; 41.0; 162; 34Alp Aqr ; 2.94; 5350;occ; 82; 0;39150
 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
 14; 3199.6; 26-AUG-2009 03:22:59; Bright; 47.0; 74; 11Bet Cas ; 2.27; 6600;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
 10; -443.5; 26-AUG-2009 04:02:52; Dark ; 52.0; 139; 9Bet Lep ; 2.83; 5600;occ; 104; 0;39150
 11; -327.5; 26-AUG-2009 04:04:48; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;39150
 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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 16; 2082.8; 26-AUG-2009 04:44:58; Bright; 40.5; 61; 8Eps Peg ; 2.10; 3900;occ; 81; 0;39151
 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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4;-1273.4; 26-AUG-2009 05:29:38; Dark ; 47.0; 44; 24Gam Gem ; 1.93; 11000;occ; 94; 0;39151
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8; -687.6; 26-AUG-2009 05:39:24; Dark ; 51.5; 56; 53Kap Ori ; 2.07; 30000;occ; 103; 0;39151
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11; -326.5; 26-AUG-2009 05:45:25; Dark ; 59.0; 0; ; 0.00; 0;occ; 118; 0;39151
12; 386.1; 26-AUG-2009 05:57:18; Dark ; 53.0; 157; The1Eri ; 2.91; 9300;occ; 106; 0;39152
13; 910.3; 26-AUG-2009 06:06:02; Dark ; 49.0; 84; Alp Phe ; 2.40; 4500;occ; 98; 0;39152
14; 1305.3; 26-AUG-2009 06:12:37; Dark ; 47.0; 18; 24Alp PsA ; 1.17; 9700;occ; 94; 0;39152
15; 1900.0; 26-AUG-2009 06:22:31; Bright; 40.0; 162; 34Alp Aqr ; 2.94; 5350;occ; 80; 0;39152
16; 2082.7; 26-AUG-2009 06:25:34; Bright; 48.0; 61; 8Eps Peg ; 2.10; 3900;occ; 96; 0;39152
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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
5; 2542.6; 26-AUG-2009 21:38:38; Bright; 44.0; 164; 44Eta Peg ; 2.95; 5400;occ; 88; 0;39161
6; 3192.1; 26-AUG-2009 21:49:27; Bright; 45.5; 74; 11Bet Cas ; 2.27; 6600;occ; 91; 0;39161
7; 3323.8; 26-AUG-2009 21:51:39; Bright; 47.5; 76; 27Gam Cas ; 2.30; 30000;occ; 95; 0;39161
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9; 4376.0; 26-AUG-2009 22:09:11; Bright; 44.5; 107; 37The Aur ; 2.65; 11000;occ; 89; 0;39161
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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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6; 398.3; 26-AUG-2009 22:43:29; Dark ; 53.5; 157; The1Eri ; 2.91; 9300;occ; 107; 0;39162
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4;-1273.1; 26-AUG-2009 07:10:14; Dark ; 46.0; 44; 24Gam Gem ; 1.93; 11000;occ; 92; 0;39152
5;-1027.1; 26-AUG-2009 07:14:20; Dark ; 60.5; 14; 58Alp Ori ; 0.87; 3000;occ; 121; 0;39152
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9; 2283.8; 28-AUG-2009 02:04:29; Bright; 39.0; 90; 54Alp Peg ; 2.49; 11000;occ; 78; 0;39178
10; 2532.2; 28-AUG-2009 02:08:38; Bright; 45.5; 164; 44Eta Peg ; 2.95; 5400;occ; 91; 0;39178
11; 3180.4; 28-AUG-2009 02:19:26; Bright; 40.5; 74; 11Bet Cas ; 2.27; 6600;occ; 81; 0;39178
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2; -1659.3; 28-AUG-2009 02:39:22; Bright; 45.5; 107; 37The Aur ; 2.65; 11000;occ; 91; 0;39178
3; -1444.4; 28-AUG-2009 02:42:57; Dark ; 52.0; 28; 12Bet Tau ; 1.65; 15200;occ; 104; 0;39178
4; -1366.4; 28-AUG-2009 02:44:15; Dark ; 53.5; 151; 13Mu Gem ; 2.89; 3000;occ; 107; 0;39178
5; -1264.3; 28-AUG-2009 02:45:57; Dark ; 47.5; 44; 24Gam Gem ; 1.93; 11000;occ; 95; 0;39178
6; -1009.9; 28-AUG-2009 02:50:11; Dark ; 68.5; 14; 58Alp Ori ; 0.87; 3000;occ; 137; 0;39178
7; -778.6; 28-AUG-2009 02:54:03; Dark ; 58.5; 30; 46Eps Ori ; 1.69; 30000;occ; 117; 0;39178
8; -556.2; 28-AUG-2009 02:57:45; Dark ; 73.5; 7; 19Bet Ori ; 0.10; 14000;occ; 147; 0;39178
9; -415.0; 28-AUG-2009 03:00:06; Dark ; 50.0; 139; 9Bet Lep ; 2.83; 5600;occ; 100; 0;39178
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2; 928.7; 28-AUG-2009 05:03:06; Dark ; 48.5; 84; Alp Phe ; 2.40; 4500;occ; 97; 0;39180
3; 1313.8; 28-AUG-2009 05:09:31; Dark ; 47.5; 18; 24Alp PsA ; 1.17; 9700;occ; 95; 0;39180
4; 1898.0; 28-AUG-2009 05:19:15; Bright; 39.5; 162; 34Alp Aqr ; 2.94; 5350;occ; 79; 0;39180
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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3;-1443.9; 28-AUG-2009 06:04:09; Dark ; 41.0; 28; 12Bet Tau ; 1.65; 15200;occ; 82; 0;39180
4;-1365.9; 28-AUG-2009 06:05:27; Dark ; 43.5; 151; 13Mu Gem ; 2.89; 3000;occ; 87; 0;39180
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2;-1263.6; 28-AUG-2009 06:07:10; Dark ; 46.5; 44; 24Gam Gem ; 1.93; 11000;occ; 93; 0;39180
3;-1008.5; 28-AUG-2009 06:11:25; Dark ; 49.5; 14; 58Alp Ori ; 0.87; 3000;occ; 99; 0;39180
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3; -553.4; 28-AUG-2009 06:19:00; Dark ; 55.0; 7; 19Bet Ori ; 0.10; 14000;occ; 110; 0;39180
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3; -297.0; 28-AUG-2009 06:23:16; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;39180
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
6; 1314.2; 28-AUG-2009 06:50:07; Dark ; 46.0; 18; 24Alp PsA ; 1.17; 9700;occ; 92; 0;39181
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2; 2281.0; 28-AUG-2009 08:46:50; Bright; 50.0; 90; 54Alp Peg ; 2.49; 11000;occ; 100; 0;39182
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
6; 4168.1; 28-AUG-2009 09:18:17; Bright; 60.0; 6; 13Alp Aur ; 0.08; 3400;occ; 120; 0;39182
7; 4376.9; 28-AUG-2009 09:21:46; Bright; 44.5; 107; 37The Aur ; 2.65; 11000;occ; 89; 0;39182
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
10; 4773.0; 28-AUG-2009 09:28:22; Dark ; 50.0; 44; 24Gam Gem ; 1.93; 11000;occ; 100; 0;39182
11; 5028.8; 28-AUG-2009 09:32:38; Dark ; 72.0; 14; 58Alp Ori ; 0.87; 3000;occ; 144; 0;39182
12; 5259.5; 28-AUG-2009 09:36:29; Dark ; 59.5; 33; 50Zet Ori ; 1.77; 30000;occ; 119; 0;39182
13; 5376.1; 28-AUG-2009 09:38:25; Dark ; 54.0; 56; 53Kap Ori ; 2.07; 30000;occ; 108; 0;39182
14; 5485.1; 28-AUG-2009 09:40:14; Dark ; 68.5; 7; 19Bet Ori ; 0.10; 14000;occ; 137; 0;39182
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
17; 6460.0; 28-AUG-2009 09:56:29; Dark ; 55.0; 157; The1Eri ; 2.91; 9300;occ; 110; 0;39182
18; 6966.4; 28-AUG-2009 10:04:56; Dark ; 50.0; 84; Alp Phe ; 2.40; 4500;occ; 100; 0;39182
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2; 2280.4; 28-AUG-2009 10:27:26; Bright; 52.0; 90; 54Alp Peg ; 2.49; 11000;occ; 104; 0;39183
3; 2529.1; 28-AUG-2009 10:31:34; Bright; 45.0; 164; 44Eta Peg ; 2.95; 5400;occ; 90; 0;39183
4; 3177.0; 28-AUG-2009 10:42:22; Bright; 42.5; 74; 11Bet Cas ; 2.27; 6600;occ; 85; 0;39183
5; 3308.0; 28-AUG-2009 10:44:33; Bright; 47.0; 76; 27Gam Cas ; 2.30; 30000;occ; 94; 0;39183
6; 4167.9; 28-AUG-2009 10:58:53; Bright; 56.0; 6; 13Alp Aur ; 0.08; 3400;occ; 112; 0;39183
7; 4377.0; 28-AUG-2009 11:02:22; Bright; 45.5; 107; 37The Aur ; 2.65; 11000;occ; 91; 0;39183
8; 4592.9; 28-AUG-2009 11:05:58; Dark ; 33.0; 28; 12Bet Tau ; 1.65; 15200;occ; 66; 0;39183
9; 4670.9; 28-AUG-2009 11:07:16; Dark ; 54.5; 151; 13Mu Gem ; 2.89; 3000;occ; 109; 0;39183
10; 4773.3; 28-AUG-2009 11:08:58; Dark ; 48.5; 44; 24Gam Gem ; 1.93; 11000;occ; 97; 0;39183
11; 5029.5; 28-AUG-2009 11:13:15; Dark ; 70.0; 14; 58Alp Ori ; 0.87; 3000;occ; 140; 0;39183
12; 5260.3; 28-AUG-2009 11:17:05; Dark ; 58.0; 33; 50Zet Ori ; 1.77; 30000;occ; 116; 0;39183
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
15; 5626.2; 28-AUG-2009 11:23:11; Dark ; 51.0; 139; 9Bet Lep ; 2.83; 5600;occ; 102; 0;39183
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
18; 6966.9; 28-AUG-2009 11:45:32; Dark ; 47.5; 84; Alp Phe ; 2.40; 4500;occ; 95; 0;39183

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3; 2528.5; 28-AUG-2009 12:12:10; Bright; 44.5; 164; 44Eta Peg ; 2.95; 5400;occ; 89; 0;39184
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
6; 4167.6; 28-AUG-2009 12:39:29; Bright; 58.0; 6; 13Alp Aur ; 0.08; 3400;occ; 116; 0;39184
7; 4376.8; 28-AUG-2009 12:42:58; Bright; 48.0; 107; 37The Aur ; 2.65; 11000;occ; 96; 0;39184
8; 4593.1; 28-AUG-2009 12:46:34; Dark ; 25.0; 28; 12Bet Tau ; 1.65; 15200;occ; 50; 0;39184
9; 4671.2; 28-AUG-2009 12:47:52; Dark ; 53.0; 151; 13Mu Gem ; 2.89; 3000;occ; 106; 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
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16; 5743.0; 28-AUG-2009 13:05:44; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;39184
17; 6462.4; 28-AUG-2009 13:17:43; Dark ; 55.5; 157; The1Eri ; 2.91; 9300;occ; 111; 0;39184
18; 6967.7; 28-AUG-2009 13:26:09; Dark ; 52.5; 84; Alp Phe ; 2.40; 4500;occ; 105; 0;39184
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3; 2528.0; 28-AUG-2009 13:52:45; Bright; 44.0; 164; 44Eta Peg ; 2.95; 5400;occ; 88; 0;39185
4; 3175.6; 28-AUG-2009 14:03:32; Bright; 44.0; 74; 11Bet Cas ; 2.27; 6600;occ; 88; 0;39185
5; 3306.8; 28-AUG-2009 14:05:44; Bright; 45.0; 76; 27Gam Cas ; 2.30; 30000;occ; 90; 0;39185
6; 4167.4; 28-AUG-2009 14:20:04; Bright; 57.0; 6; 13Alp Aur ; 0.08; 3400;occ; 114; 0;39185
7; 4376.9; 28-AUG-2009 14:23:34; Bright; 46.0; 107; 37The Aur ; 2.65; 11000;occ; 92; 0;39185
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9; 4671.5; 28-AUG-2009 14:28:28; Dark ; 53.5; 151; 13Mu Gem ; 2.89; 3000;occ; 107; 0;39185
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17; 6463.7; 28-AUG-2009 14:58:20; Dark ; 56.0; 157; The1Eri ; 2.91; 9300;occ; 112; 0;39185
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3; 2527.5; 28-AUG-2009 15:33:20; Bright; 45.0; 164; 44Eta Peg ; 2.95; 5400;occ; 90; 0;39186
4; 3175.1; 28-AUG-2009 15:44:08; Bright; 41.0; 74; 11Bet Cas ; 2.27; 6600;occ; 82; 0;39186
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9; 4774.6; 28-AUG-2009 16:10:47; Dark ; 45.5; 44; 24Gam Gem ; 1.93; 11000;occ; 91; 0;39186
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12; 5380.0; 28-AUG-2009 16:20:53; Dark ; 55.0; 56; 53Kap Ori ; 2.07; 30000;occ; 110; 0;39186
13; 5490.6; 28-AUG-2009 16:22:43; Dark ; 65.0; 7; 19Bet Ori ; 0.10; 14000;occ; 130; 0;39186
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15; 5745.2; 28-AUG-2009 16:26:58; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;39186
16; 6465.1; 28-AUG-2009 16:38:58; Dark ; 54.0; 157; The1Eri ; 2.91; 9300;occ; 108; 0;39186
17; 6969.1; 28-AUG-2009 16:47:22; Dark ; 57.5; 84; Alp Phe ; 2.40; 4500;occ; 115; 0;39186
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4; 2526.7; 28-AUG-2009 17:13:56; Bright; 45.5; 164; 44Eta Peg ; 2.95; 5400;occ; 91; 0;39187
5; 3174.4; 28-AUG-2009 17:24:43; Bright; 45.5; 74; 11Bet Cas ; 2.27; 6600;occ; 91; 0;39187
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7; 4167.3; 28-AUG-2009 17:41:16; Bright; 61.5; 6; 13Alp Aur ; 0.08; 3400;occ; 123; 0;39187
8; 4377.1; 28-AUG-2009 17:44:46; Bright; 46.5; 107; 37The Aur ; 2.65; 11000;occ; 93; 0;39187

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2; -1657.8; 31-AUG-2009 04:25:44; Bright; 48.5; 107; 37The Aur ; 2.65; 11000;occ; 97; 0;39222
3; -1353.1; 31-AUG-2009 04:30:49; Dark ; 53.5; 151; 13Mu Gem ; 2.89; 3000;occ; 107; 0;39222
4; -1248.1; 31-AUG-2009 04:32:34; Dark ; 45.5; 44; 24Gam Gem ; 1.93; 11000;occ; 91; 0;39222
5; -977.2; 31-AUG-2009 04:37:05; Dark ; 68.5; 14; 58Alp Ori ; 0.87; 3000;occ; 137; 0;39222
6; -731.4; 31-AUG-2009 04:41:11; Dark ; 63.5; 30; 46Eps Ori ; 1.69; 30000;occ; 127; 0;39222
7; -594.7; 31-AUG-2009 04:43:27; Dark ; 48.0; 47; 2Bet CMA ; 1.98; 28000;occ; 96; 0;39222
8; -427.8; 31-AUG-2009 04:46:14; Dark ; 56.0; 101; 11Alp Lep ; 2.58; 7000;occ; 112; 0;39222
9; -251.4; 31-AUG-2009 04:49:11; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;39222
10; 472.9; 31-AUG-2009 05:01:15; Dark ; 54.0; 157; The1Eri ; 2.91; 9300;occ; 108; 0;39223
11; 955.2; 31-AUG-2009 05:09:17; Dark ; 49.0; 84; Alp Phe ; 2.40; 4500;occ; 98; 0;39223
12; 1326.4; 31-AUG-2009 05:15:28; Dark ; 47.0; 18; 24Alp PsA ; 1.17; 9700;occ; 94; 0;39223
13; 1895.8; 31-AUG-2009 05:24:58; Bright; 56.0; 162; 34Alp Aqr ; 2.94; 5350;occ; 112; 0;39223
14; 2256.4; 31-AUG-2009 05:30:58; Bright; 47.0; 90; 54Alp Peg ; 2.49; 11000;occ; 94; 0;39223
15; 2507.3; 31-AUG-2009 05:35:09; Bright; 43.5; 164; 44Eta Peg ; 2.95; 5400;occ; 87; 0;39223
16; 3150.6; 31-AUG-2009 05:45:53; Bright; 44.5; 74; 11Bet Cas ; 2.27; 6600;occ; 89; 0;39223

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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
10; 5066.7; 31-AUG-2009 21:23:12; Dark ; 72.0; 14; 58Alp Ori ; 0.87; 3000;occ; 144; 0;39232
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2; -587.2; 31-AUG-2009 21:29:34; Dark ; 47.5; 47; 2Bet CMA ; 1.98; 28000;occ; 95; 0;39232
3; -415.8; 31-AUG-2009 21:32:25; Dark ; 55.0; 101; 11Alp Lep ; 2.58; 7000;occ; 110; 0;39232
4; -240.0; 31-AUG-2009 21:35:21; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;39232
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
14; 4686.4; 31-AUG-2009 22:57:28; Dark ; 51.5; 151; 13Mu Gem ; 2.89; 3000;occ; 103; 0;39233
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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3; -238.8; 31-AUG-2009 23:15:58; Dark ; 59.0; 0; ; 0.00; 0;occ; 118; 0;39233
4; 486.3; 31-AUG-2009 23:28:03; Dark ; 55.0; 157; The1Eri ; 2.91; 9300;occ; 110; 0;39234
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
15; 5068.6; 01-SEP-2009 00:44:26; Dark ; 66.0; 14; 58Alp Ori ; 0.87; 3000;occ; 132; 0;39234
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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
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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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 2; 2255.2; 31-AUG-2009 08:52:09; Bright; 48.5; 90; 54Alp Peg ; 2.49; 11000;occ; 97; 0;39225
 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
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 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
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 16; 6993.1; 31-AUG-2009 10:11:07; Dark ; 49.0; 84; Alp Phe ; 2.40; 4500;occ; 98; 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
 6; 4157.9; 31-AUG-2009 11:04:28; Bright; 59.5; 6; 13Alp Aur ; 0.08; 3400;occ; 119; 0;39226
 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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 2; 2254.1; 31-AUG-2009 12:13:20; Bright; 49.0; 90; 54Alp Peg ; 2.49; 11000;occ; 98; 0;39227
 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
 6; 4157.6; 31-AUG-2009 12:45:03; Bright; 73.0; 6; 13Alp Aur ; 0.08; 3400;occ; 146; 0;39227
 7; 4378.2; 31-AUG-2009 12:48:44; Bright; 51.5; 107; 37The Aur ; 2.65; 11000;occ; 103; 0;39227
 8; 4684.5; 31-AUG-2009 12:53:50; Dark ; 52.0; 151; 13Mu Gem ; 2.89; 3000;occ; 104; 0;39227
 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
 13; 5613.9; 31-AUG-2009 13:09:19; Dark ; 53.5; 101; 11Alp Lep ; 2.58; 7000;occ; 107; 0;39227
 14; 5790.2; 31-AUG-2009 13:12:16; Dark ; 59.0; 0; ; 0.00; 0;occ; 118; 0;39227
 15; 6515.1; 31-AUG-2009 13:24:21; Dark ; 55.0; 157; The1Eri ; 2.91; 9300;occ; 110; 0;39227
 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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4; 3275.8; 31-AUG-2009 14:10:57; Bright; 47.0; 76; 27Gam Cas ; 2.30; 30000;occ; 94; 0;39228
5; 4157.6; 31-AUG-2009 14:25:39; Bright; 62.0; 6; 13Alp Aur ; 0.08; 3400;occ; 124; 0;39228
6; 4378.3; 31-AUG-2009 14:29:20; Bright; 45.0; 107; 37The Aur ; 2.65; 11000;occ; 90; 0;39228
7; 4684.9; 31-AUG-2009 14:34:26; Dark ; 56.5; 151; 13Mu Gem ; 2.89; 3000;occ; 113; 0;39228
8; 4790.1; 31-AUG-2009 14:36:12; Dark ; 48.0; 44; 24Gam Gem ; 1.93; 11000;occ; 96; 0;39228
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
11; 5445.8; 31-AUG-2009 14:47:07; Dark ; 46.5; 47; 2Bet CMA ; 1.98; 28000;occ; 93; 0;39228
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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3; 2504.2; 31-AUG-2009 15:38:42; Bright; 55.5; 164; 44Eta Peg ; 2.95; 5400;occ; 111; 0;39229
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