

GOMOS Daily Report 21-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	24AUG2009 04:47:07
Data source version	GOMOS/5.00
Start time of products	21AUG2009 00:10:51
Stop time of products	21AUG2009 23:55:45
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)

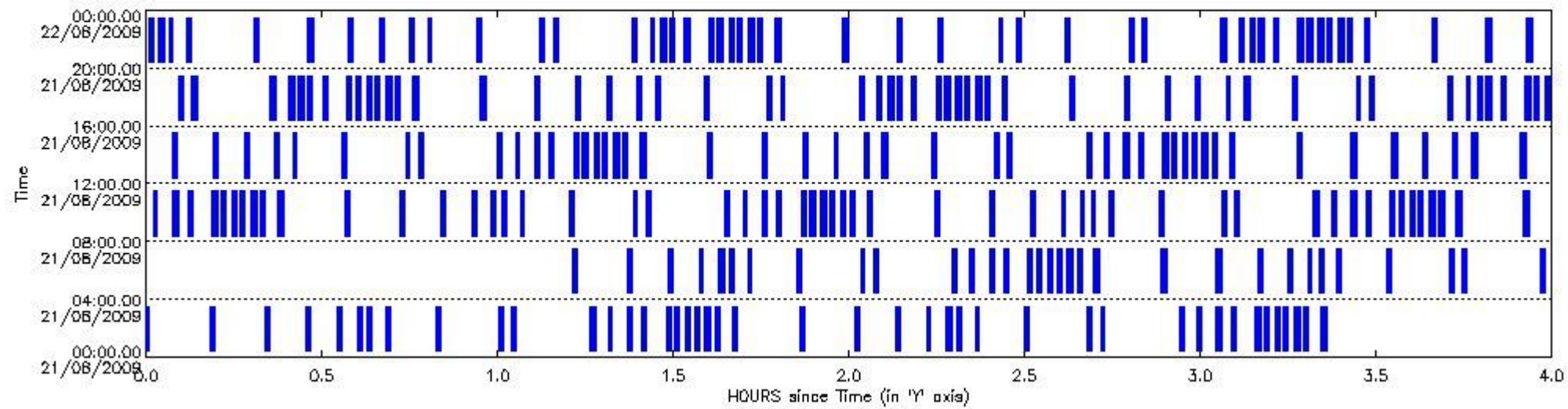
2.1 Level 0 products arrived in PCF (see template [here](#))

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)

No missing products.

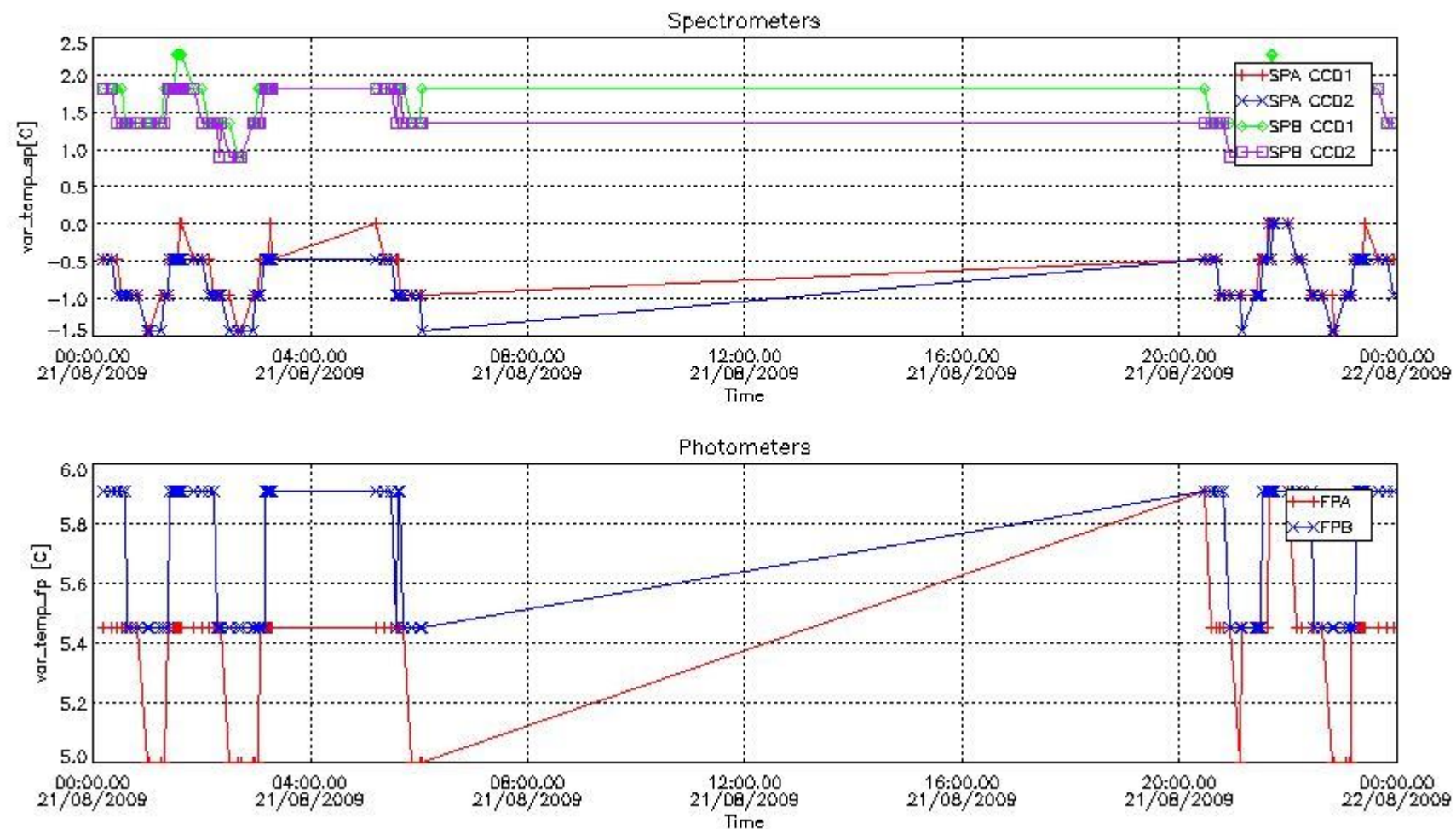
2.4 Summary of processed GOM_TRA_1P products

Nr	Filename	UTC Start time	Limb	Duration	Star Id	Star Name	Star Mag	Star Temp	Nb Meas	Orbit	Prod. error
1	GOM_TRA_1PNPDE20090821_001051_000000512081_00446_39077_9584.N1	21-AUG-2009 00:10:51	Dark	51.000	157	The1Eri	2.9060	9300.0	102	39077	No
2	GOM_TRA_1PNPDE20090821_002013_000000532081_00446_39077_9585.N1	21-AUG-2009 00:20:13	Straylight	53.000	84	Alp Phe	2.3970	4500.0	106	39077	No
3	GOM_TRA_1PNPDE20090821_002717_000000512081_00446_39077_9586.N1	21-AUG-2009 00:27:17	Twilight_and_stray	51.000	18	24Alp PsA	1.1660	9700.0	102	39077	No
4	GOM_TRA_1PNPDE20090821_003237_000000432081_00446_39077_9587.N1	21-AUG-2009 00:32:37	Bright	42.500	142	49Del Cap	2.8500	8900.0	85	39077	No
5	GOM_TRA_1PNPDE20090821_003556_000000562081_00446_39077_9588.N1	21-AUG-2009 00:35:56	Bright	56.000	154	22Bet Aqr	2.8990	5700.0	112	39077	No
6	GOM_TRA_1PNPDE20090821_003746_000000452081_00446_39077_9589.N1	21-AUG-2009 00:37:46	Bright	44.500	162	34Alp Aqr	2.9440	5350.0	89	39077	No
7	GOM_TRA_1PNPDE20090821_004052_000000442081_00446_39077_9590.N1	21-AUG-2009 00:40:52	Bright	43.500	61	8Eps Peg	2.1000	3900.0	87	39077	No
8	GOM_TRA_1PNPDE20090821_004922_000000512081_00446_39077_9591.N1	21-AUG-2009 00:49:22	Bright	50.500	164	44Eta Peg	2.9480	5400.0	101	39077	No
9	GOM_TRA_1PNPDE20090821_010009_000000472081_00446_39077_9592.N1	21-AUG-2009 01:00:09	Bright	46.500	74	11Bet Cas	2.2680	6600.0	93	39077	No
10	GOM_TRA_1PNPDE20090821_010223_000000452081_00446_39077_9593.N1	21-AUG-2009 01:02:23	Bright	45.000	76	27Gam Cas	2.3000	30000.0	90	39077	No
11	GOM_TRA_1PNPDE20090821_011543_000000652081_00446_39077_9594.N1	21-AUG-2009 01:15:43	Bright	65.000	6	13Alp Aur	0.080000	3400.0	130	39077	No
12	GOM_TRA_1PNPDE20090821_011849_000000432081_00446_39077_9595.N1	21-AUG-2009 01:18:49	Bright	43.000	107	37The Aur	2.6490	11000.0	86	39077	No

13	GOM_TRA_1PNPDE20090821_012205_000000552081_00446_39077_9596.N1	21-AUG-2009 01:22:05	Twilight	54.500	28	12Bet Tau	1.6500	15200.	109	39077	No
14	GOM_TRA_1PNPDE20090821_012435_000000512081_00446_39077_9597.N1	21-AUG-2009 01:24:35	Twilight	50.500	176	23Zet Tau	3.0200	22000.	101	39077	No
15	GOM_TRA_1PNPDE20090821_012843_000000552081_00446_39077_9598.N1	21-AUG-2009 01:28:43	Dark	55.000	14	58Alp Ori	0.87000	3000.0	110	39077	No
16	GOM_TRA_1PNPDE20090821_013010_000000542081_00446_39077_9599.N1	21-AUG-2009 01:30:10	Dark	53.500	27	24Gam Ori	1.6360	26000.	107	39077	No
17	GOM_TRA_1PNPDE20090821_013208_000000502081_00446_39077_9600.N1	21-AUG-2009 01:32:08	Dark	49.500	30	46Eps Ori	1.6940	30000.	99	39077	No
18	GOM_TRA_1PNPDE20090821_013336_000000502081_00446_39077_9727.N1	21-AUG-2009 01:33:36	Dark	50.000	125	44Iot Ori	2.7700	30000.	100	39077	No
19	GOM_TRA_1PNPDE20090821_013522_000000592081_00446_39077_9728.N1	21-AUG-2009 01:35:22	Dark	59.000	7	19Bet Ori	0.10000	14000.	118	39077	No
20	GOM_TRA_1PNPDE20090821_013704_000000482081_00446_39077_9729.N1	21-AUG-2009 01:37:04	Dark	48.000	101	11Alp Lep	2.5820	7000.0	96	39077	No
21	GOM_TRA_1PNPDE20090821_015128_000000522081_00447_39078_9730.N1	21-AUG-2009 01:51:28	Dark	52.000	157	The1Eri	2.9060	9300.0	104	39078	No
22	GOM_TRA_1PNPDE20090821_020050_000000522081_00447_39078_9731.N1	21-AUG-2009 02:00:50	Straylight	52.000	84	Alp Phe	2.3970	4500.0	104	39078	No
23	GOM_TRA_1PNPDE20090821_020753_000000522081_00447_39078_9732.N1	21-AUG-2009 02:07:53	Twilight	51.500	18	24Alp PsA	1.1660	9700.0	103	39078	No
24	GOM_TRA_1PNPDE20090821_021313_000000442081_00447_39078_9733.N1	21-AUG-2009 02:13:13	Bright	43.500	142	49Del Cap	2.8500	8900.0	87	39078	No
25	GOM_TRA_1PNPDE20090821_021632_000000562081_00447_39078_9734.N1	21-AUG-2009 02:16:32	Bright	56.000	154	22Bet Aqr	2.8990	5700.0	112	39078	No
26	GOM_TRA_1PNPDE20090821_021822_000000432081_00447_39078_9735.N1	21-AUG-2009 02:18:22	Bright	42.500	162	34Alp Aqr	2.9440	5350.0	85	39078	No
27	GOM_TRA_1PNPDE20090821_022128_000000422081_00447_39078_9736.N1	21-AUG-2009 02:21:28	Bright	42.000	61	8Eps Peg	2.1000	3900.0	84	39078	No
28	GOM_TRA_1PNPDE20090821_022957_000000512081_00447_39078_9737.N1	21-AUG-2009 02:29:57	Bright	50.500	164	44Eta Peg	2.9480	5400.0	101	39078	No
29	GOM_TRA_1PNPDE20090821_024044_000000472081_00447_39078_9738.N1	21-AUG-2009 02:40:44	Bright	47.000	74	11Bet Cas	2.2680	6600.0	94	39078	No
30	GOM_TRA_1PNPDE20090821_024258_000000432081_00447_39078_9739.N1	21-AUG-2009 02:42:58	Bright	43.000	76	27Gam Cas	2.3000	30000.	86	39078	No
31	GOM_TRA_1PNPDE20090821_025619_000000512081_00447_39078_9884.N1	21-AUG-2009 02:56:19	Bright	51.000	6	13Alp Aur	0.080000	3400.0	102	39078	No
32	GOM_TRA_1PNPDE20090821_025925_000000412081_00447_39078_9885.N1	21-AUG-2009 02:59:25	Bright	41.000	107	37The Aur	2.6490	11000.	82	39078	No
33	GOM_TRA_1PNPDE20090821_030241_000000582081_00447_39078_9886.N1	21-AUG-2009 03:02:41	Twilight	57.500	28	12Bet Tau	1.6500	15200.	115	39078	No
34	GOM_TRA_1PNPDE20090821_030512_000000512081_00447_39078_9887.N1	21-AUG-2009 03:05:12	Twilight	50.500	176	23Zet Tau	3.0200	22000.	101	39078	No
35	GOM_TRA_1PNPDE20090821_030919_000000582081_00447_39078_9888.N1	21-AUG-2009 03:09:19	Dark	57.500	14	58Alp Ori	0.87000	3000.0	115	39078	No
36	GOM_TRA_1PNPDE20090821_031047_000000562081_00447_39078_9889.N1	21-AUG-2009 03:10:47	Dark	56.000	27	24Gam Ori	1.6360	26000.	112	39078	No
37	GOM_TRA_1PNPDE20090821_031244_000000522081_00447_39078_9890.N1	21-AUG-2009 03:12:44	Dark	52.000	30	46Eps Ori	1.6940	30000.	104	39078	No
38	GOM_TRA_1PNPDE20090821_031412_000000462081_00447_39078_9891.N1	21-AUG-2009 03:14:12	Dark	46.000	125	44Iot Ori	2.7700	30000.	92	39078	No
39	GOM_TRA_1PNPDE20090821_031559_000000702081_00447_39078_9892.N1	21-AUG-2009 03:15:59	Dark	70.000	7	19Bet Ori	0.10000	14000.	140	39078	No
40	GOM_TRA_1PNPDE20090821_031741_000000502081_00447_39078_9893.N1	21-AUG-2009 03:17:41	Dark	49.500	101	11Alp Lep	2.5820	7000.0	99	39078	No
41	GOM_TRA_1PNPDE20090821_051243_000000532081_00449_39080_0084.N1	21-AUG-2009 05:12:43	Dark	52.500	157	The1Eri	2.9060	9300.0	105	39080	No
42	GOM_TRA_1PNPDE20090821_052204_000000512081_00449_39080_0085.N1	21-AUG-2009 05:22:04	Straylight	51.000	84	Alp Phe	2.3970	4500.0	102	39080	No
43	GOM_TRA_1PNPDE20090821_052906_000000522081_00449_39080_0086.N1	21-AUG-2009 05:29:06	Twilight	52.000	18	24Alp PsA	1.1660	9700.0	104	39080	No
44	GOM_TRA_1PNPDE20090821_053425_000000432081_00449_39080_0087.N1	21-AUG-2009 05:34:25	Bright	42.500	142	49Del Cap	2.8500	8900.0	85	39080	No
45	GOM_TRA_1PNPDE20090821_053744_000000532081_00449_39080_0088.N1	21-AUG-2009 05:37:44	Bright	52.500	154	22Bet Aqr	2.8990	5700.0	105	39080	No
46	GOM_TRA_1PNPDE20090821_053934_000000432081_00449_39080_0089.N1	21-AUG-2009 05:39:34	Bright	42.500	162	34Alp Aqr	2.9440	5350.0	85	39080	No
47	GOM_TRA_1PNPDE20090821_054240_000000402081_00449_39080_0090.N1	21-AUG-2009 05:42:40	Bright	40.000	61	8Eps Peg	2.1000	3900.0	80	39080	No
48	GOM_TRA_1PNPDE20090821_055107_000000502081_00449_39080_0091.N1	21-AUG-2009 05:51:07	Bright	49.500	164	44Eta Peg	2.9480	5400.0	99	39080	No
49	GOM_TRA_1PNPDE20090821_060155_000000472081_00449_39080_0092.N1	21-AUG-2009 06:01:55	Bright	46.500	74	11Bet Cas	2.2680	6600.0	93	39080	No
50	GOM_TRA_1PNPDE20090821_060409_000000472081_00449_39080_0093.N1	21-AUG-2009 06:04:09	Bright	47.000	76	27Gam Cas	2.3000	30000.	94	39080	No
51	GOM_TRA_1PNPDE20090821_202734_000000602081_00458_39089_0640.N1	21-AUG-2009 20:27:34	Straylight	59.500	84	Alp Phe	2.3970	4500.0	119	39089	No
52	GOM_TRA_1PNPDE20090821_203432_000000502081_00458_39089_0641.N1	21-AUG-2009 20:34:32	Twilight	49.500	18	24Alp PsA	1.1660	9700.0	99	39089	No
53	GOM_TRA_1PNPDE20090821_203950_000000422081_00458_39089_0642.N1	21-AUG-2009 20:39:50	Bright	41.500	142	49Del Cap	2.8500	8900.0	83	39089	No
54	GOM_TRA_1PNPDE20090821_204456_000000432081_00458_39089_0643.N1	21-AUG-2009 20:44:56	Bright	42.500	162	34Alp Aqr	2.9440	5350.0	85	39089	No
55	GOM_TRA_1PNPDE20090821_204801_000000442081_00458_39089_0644.N1	21-AUG-2009 20:48:01	Bright	43.500	61	8Eps Peg	2.1000	3900.0	87	39089	No
56	GOM_TRA_1PNPDE20090821_205623_000000482081_00458_39089_0645.N1	21-AUG-2009 20:56:23	Bright	48.000	164	44Eta Peg	2.9480	5400.0	96	39089	No
57	GOM_TRA_1PNPDE20090821_210712_000000452081_00458_39089_0646.N1	21-AUG-2009 21:07:12	Bright	44.500	74	11Bet Cas	2.2680	6600.0	89	39089	No
58	GOM_TRA_1PNPDE20090821_210926_000000492081_00458_39089_0647.N1	21-AUG-2009 21:09:26	Bright	48.500	76	27Gam Cas	2.3000	30000.	97	39089	No
59	GOM_TRA_1PNPDE20090821_212253_000000562081_00458_39089_0648.N1	21-AUG-2009 21:22:53	Bright	56.000	6	13Alp Aur	0.080000	3400.0	112	39089	No
60	GOM_TRA_1PNPDE20090821_212601_000000432081_00458_39089_0649.N1	21-AUG-2009 21:26:01	Bright	42.500	107	37The Aur	2.6490	11000.	85	39089	No
61	GOM_TRA_1PNPDE20090821_212748_000000592081_00458_39089_0650.N1	21-AUG-2009 21:27:48	Twilight	59.000	114	3Iot Aur	2.6930	4600.0	118	39089	No
62	GOM_TRA_1PNPDE20090821_212919_000000572081_00458_39089_0651.N1	21-AUG-2009 21:29:19	Twilight	57.000	28	12Bet Tau	1.6500	15200.	114	39089	No
63	GOM_TRA_1PNPDE20090821_213151_000000532081_00458_39089_0652.N1	21-AUG-2009 21:31:51	Twilight	52.500	176	23Zet Tau	3.0200	22000.	105	39089	No
64	GOM_TRA_1PNPDE20090821_213600_000000572081_00458_39089_0653.N1	21-AUG-2009 21:36:00	Dark	57.000	14	58Alp Ori	0.87000	3000.0	114	39089	No
65	GOM_TRA_1PNPDE20090821_213731_000000592081_00458_39089_0654.N1	21-AUG-2009 21:37:31	Dark	58.500	27	24Gam Ori	1.6360	26000.	117	39089	No
66	GOM_TRA_1PNPDE20090821_213928_000000522081_00458_39089_0804.N1	21-AUG-2009 21:39:28	Dark	51.500	30	46Eps Ori	1.6940	30000.	103	39089	Yes
67	GOM_TRA_1PNPDE20090821_214056_000000512081_00458_39089_0805.N1	21-AUG-2009 21:40:56	Dark	50.500	125	44Iot Ori	2.7700	30000.	101	39089	No
68	GOM_TRA_1PNPDE20090821_214245_000000672081_00458_39089_0806.N1	21-AUG-2009 21:42:45	Dark	66.500	7	19Bet Ori	0.10000	14000.	133	39089	No
69	GOM_TRA_1PNPDE20090821_214425_000000482081_00458_39089_0807.N1	21-AUG-2009 21:44:25	Dark	47.500	101	11Alp Lep	2.5820	7000.0	95	39089	No
70	GOM_TRA_1PNPDE20090821_215854_000000552081_00459_39090_0808.N1	21-AUG-2009 21:58:54	Dark	55.000	157	The1Eri	2.9060	9300.0	110	39090	No
71	GOM_TRA_1PNPDE20090821_220810_000000552081_00459_39090_0809.N1	21-AUG-2009 22:08:10	Straylight	55.000	84	Alp Phe	2.3970	4500.0	110	39090	No

72	GOM_TRA_1PNPDE20090821_221509_000000502081_00459_39090_0810.N1	21-AUG-2009 22:15:09	Twilight_stray	50.000	18	24Alp PsA	1.1660	9700.0	100	39090	No
73	GOM_TRA_1PNPDE20090821_222531_000000442081_00459_39090_0811.N1	21-AUG-2009 22:25:31	Bright	44.000	162	34Alp Aqr	2.9440	5350.0	88	39090	No
74	GOM_TRA_1PNPDE20090821_222837_000000432081_00459_39090_0812.N1	21-AUG-2009 22:28:37	Bright	42.500	61	8Eps Peg	2.1000	3900.0	85	39090	No
75	GOM_TRA_1PNPDE20090821_223658_000000472081_00459_39090_0813.N1	21-AUG-2009 22:36:58	Bright	47.000	164	44Eta Peg	2.9480	5400.0	94	39090	No
76	GOM_TRA_1PNPDE20090821_224747_000000482081_00459_39090_0814.N1	21-AUG-2009 22:47:47	Bright	48.000	74	11Bet Cas	2.2680	6600.0	96	39090	No
77	GOM_TRA_1PNPDE20090821_225001_000000452081_00459_39090_0815.N1	21-AUG-2009 22:50:01	Bright	45.000	76	27Gam Cas	2.3000	30000.	90	39090	No
78	GOM_TRA_1PNPDE20090821_230328_000000522081_00459_39090_0816.N1	21-AUG-2009 23:03:28	Bright	52.000	6	13Alp Aur	0.080000	3400.0	104	39090	No
79	GOM_TRA_1PNPDE20090821_230637_000000412081_00459_39090_0817.N1	21-AUG-2009 23:06:37	Bright	40.500	107	37The Aur	2.6490	11000.	81	39090	No
80	GOM_TRA_1PNPDE20090821_230824_000000532081_00459_39090_0818.N1	21-AUG-2009 23:08:24	Twilight_stray	53.000	114	31lot Aur	2.6930	4600.0	106	39090	No
81	GOM_TRA_1PNPDE20090821_230955_000000592081_00459_39090_0819.N1	21-AUG-2009 23:09:55	Twilight_stray	58.500	28	12Bet Tau	1.6500	15200.	117	39090	No
82	GOM_TRA_1PNPDE20090821_231227_000000532081_00459_39090_0820.N1	21-AUG-2009 23:12:27	Twilight_stray	52.500	176	23Zet Tau	3.0200	22000.	105	39090	No
83	GOM_TRA_1PNPDE20090821_231637_000000632081_00459_39090_0821.N1	21-AUG-2009 23:16:37	Dark	63.000	14	58Alp Ori	0.87000	3000.0	126	39090	No
84	GOM_TRA_1PNPDE20090821_231807_000000582081_00459_39090_0822.N1	21-AUG-2009 23:18:07	Dark	58.000	27	24Gam Ori	1.6360	26000.	116	39090	No
85	GOM_TRA_1PNPDE20090821_232005_000000542081_00459_39090_0823.N1	21-AUG-2009 23:20:05	Dark	54.000	30	46Eps Ori	1.6940	30000.	108	39090	No
86	GOM_TRA_1PNPDE20090821_232133_000000492081_00459_39090_0824.N1	21-AUG-2009 23:21:33	Dark	48.500	125	44lot Ori	2.7700	30000.	97	39090	No
87	GOM_TRA_1PNPDE20090821_232322_000000712081_00459_39090_0967.N1	21-AUG-2009 23:23:22	Dark	71.000	7	19Bet Ori	0.10000	14000.	142	39090	No
88	GOM_TRA_1PNPDE20090821_232502_000000492081_00459_39090_0968.N1	21-AUG-2009 23:25:02	Dark	48.500	101	11Alp Lep	2.5820	7000.0	97	39090	No
89	GOM_TRA_1PNPDE20090821_233931_000000532081_00460_39091_0969.N1	21-AUG-2009 23:39:31	Dark	52.500	157	The1Eri	2.9060	9300.0	105	39091	No
90	GOM_TRA_1PNPDE20090821_234847_000000512081_00460_39091_0970.N1	21-AUG-2009 23:48:47	Straylight	50.500	84	Alp Phe	2.3970	4500.0	101	39091	No
91	GOM_TRA_1PNPDE20090821_235545_000000502081_00460_39091_0971.N1	21-AUG-2009 23:55:45	Twilight_stray	50.000	18	24Alp PsA	1.1660	9700.0	100	39091	No

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



4. Overview of dark signal processing per product

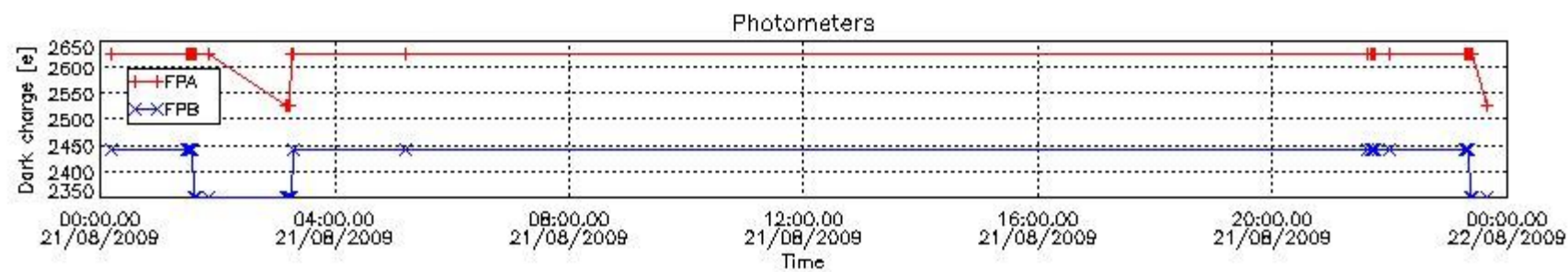
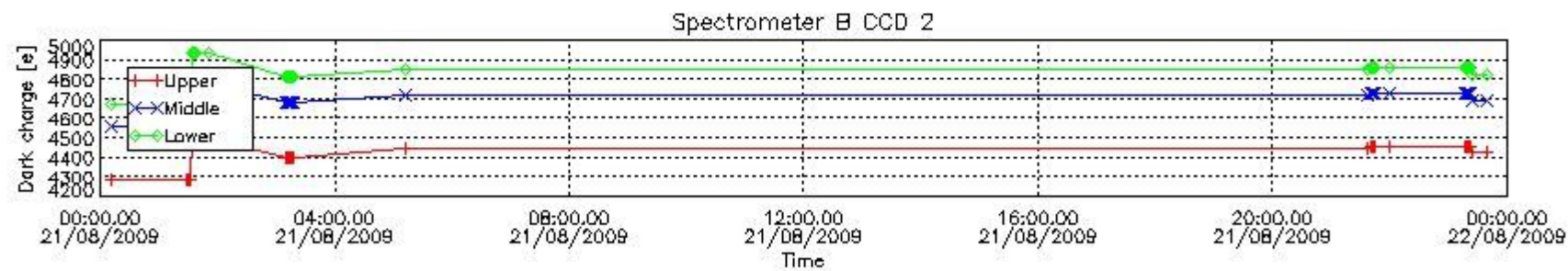
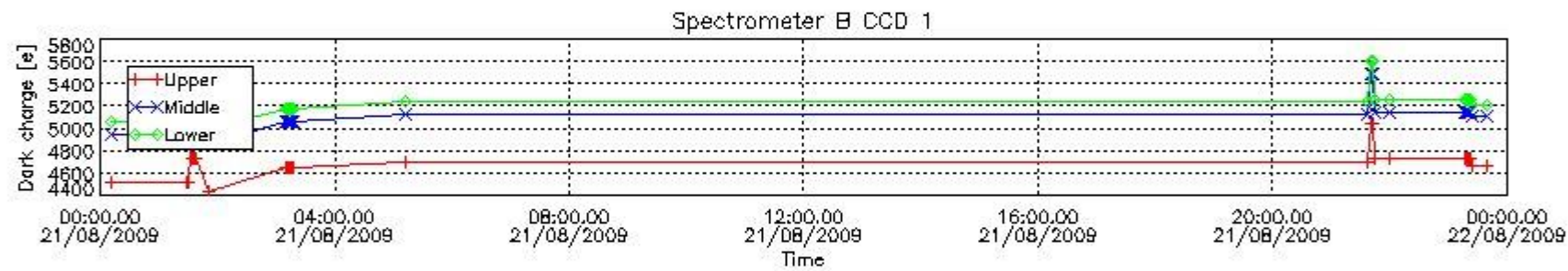
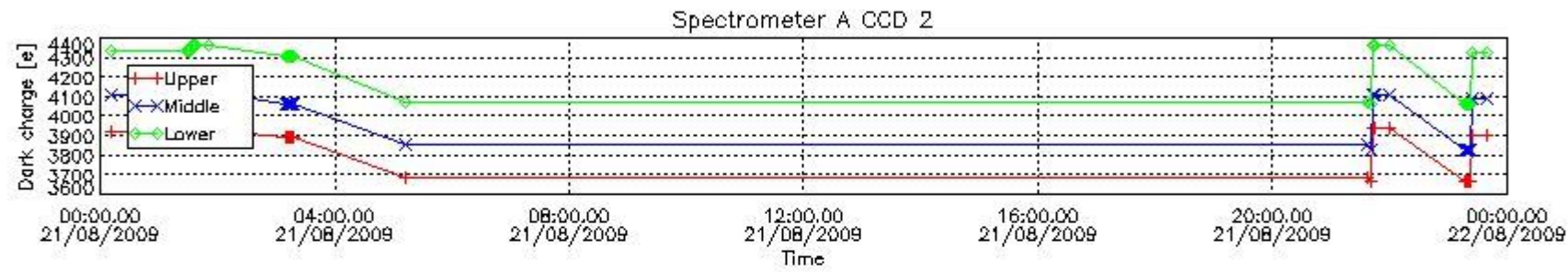
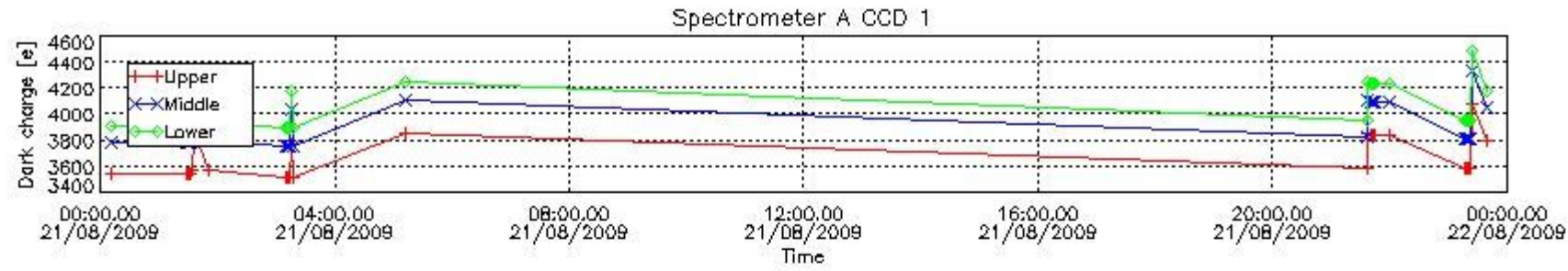
The Dark Charge (DC) is a temperature-dependant signal added to the useful measurements and it is therefore subtracted from them during the processing. There are two phenomena that produce a continuous increase of the DC: the "hot pixels" (a pixel is "hot" when its DC exceeds by a significant amount 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_1PNPDE20090821_051243_000000532081_00449_39080_0084.N1	DC map used
GOM_TRA_1PNPDE20090821_052204_000000512081_00449_39080_0085.N1	DC map used
GOM_TRA_1PNPDE20090821_052906_000000522081_00449_39080_0086.N1	DC map used
GOM_TRA_1PNPDE20090821_053425_000000432081_00449_39080_0087.N1	DC map used
GOM_TRA_1PNPDE20090821_053744_000000532081_00449_39080_0088.N1	DC map used
GOM_TRA_1PNPDE20090821_053934_000000432081_00449_39080_0089.N1	DC map used
GOM_TRA_1PNPDE20090821_054240_000000402081_00449_39080_0090.N1	DC map used
GOM_TRA_1PNPDE20090821_055107_000000502081_00449_39080_0091.N1	DC map used
GOM_TRA_1PNPDE20090821_060155_000000472081_00449_39080_0092.N1	DC map used
GOM_TRA_1PNPDE20090821_060409_000000472081_00449_39080_0093.N1	DC map used
GOM_TRA_1PNPDE20090821_202734_000000602081_00458_39089_0640.N1	DC map used
GOM_TRA_1PNPDE20090821_203432_000000502081_00458_39089_0641.N1	DC map used
GOM_TRA_1PNPDE20090821_203950_000000422081_00458_39089_0642.N1	DC map used
GOM_TRA_1PNPDE20090821_204456_000000432081_00458_39089_0643.N1	DC map used
GOM_TRA_1PNPDE20090821_204801_000000442081_00458_39089_0644.N1	DC map used
GOM_TRA_1PNPDE20090821_205623_000000482081_00458_39089_0645.N1	DC map used
GOM_TRA_1PNPDE20090821_210712_000000452081_00458_39089_0646.N1	DC map used
GOM_TRA_1PNPDE20090821_210926_000000492081_00458_39089_0647.N1	DC map used
GOM_TRA_1PNPDE20090821_212253_000000562081_00458_39089_0648.N1	DC map used
GOM_TRA_1PNPDE20090821_212601_000000432081_00458_39089_0649.N1	DC map used
GOM_TRA_1PNPDE20090821_212748_000000592081_00458_39089_0650.N1	DC map used
GOM_TRA_1PNPDE20090821_212919_000000572081_00458_39089_0651.N1	DC map used
GOM_TRA_1PNPDE20090821_213151_000000532081_00458_39089_0652.N1	DC map used
GOM_TRA_1PNPDE20090821_213600_000000572081_00458_39089_0653.N1	DC map used
GOM_TRA_1PNPDE20090821_213731_000000592081_00458_39089_0654.N1	DC map used

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



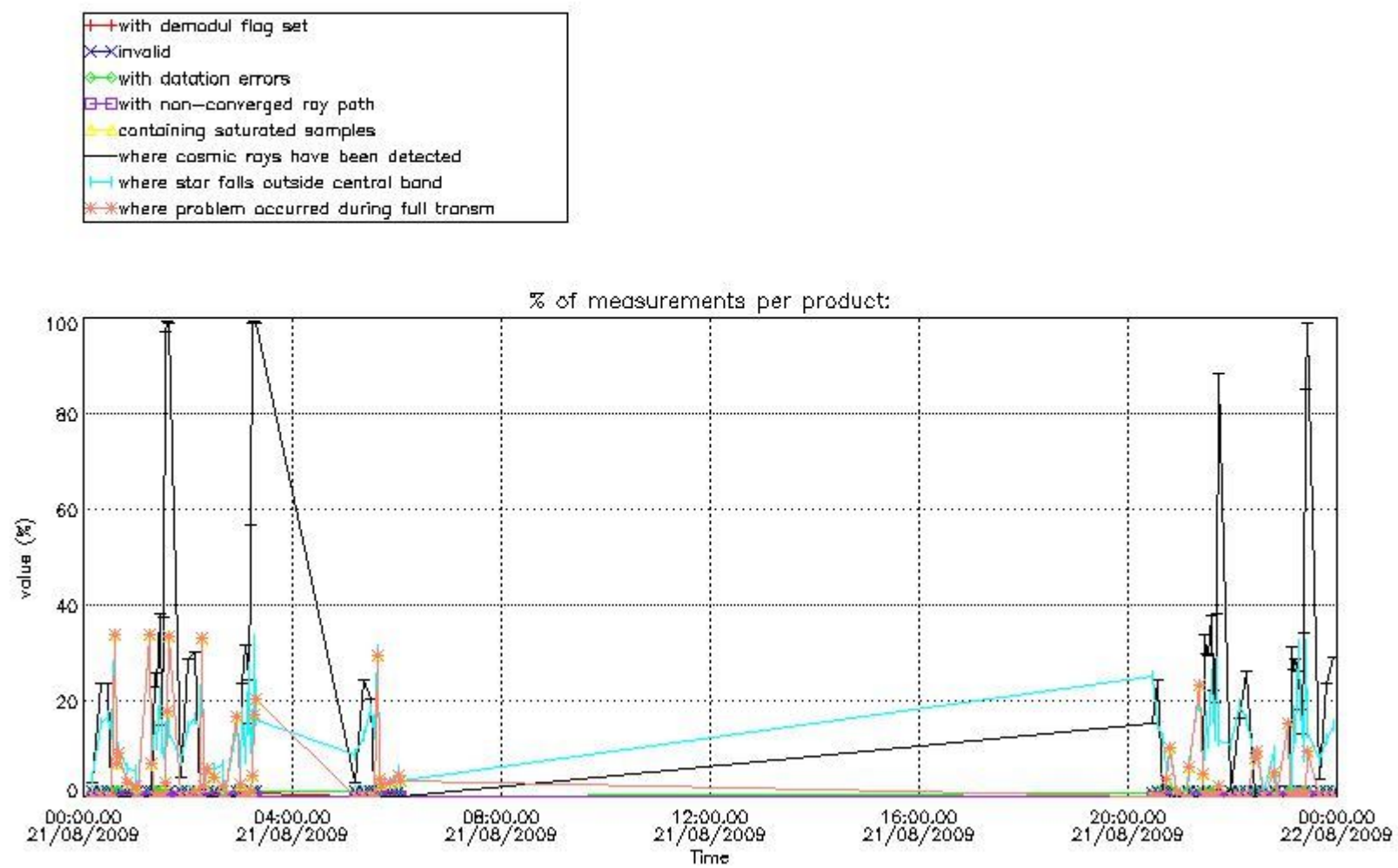
5. Demodulation flag and quality information monitoring

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.

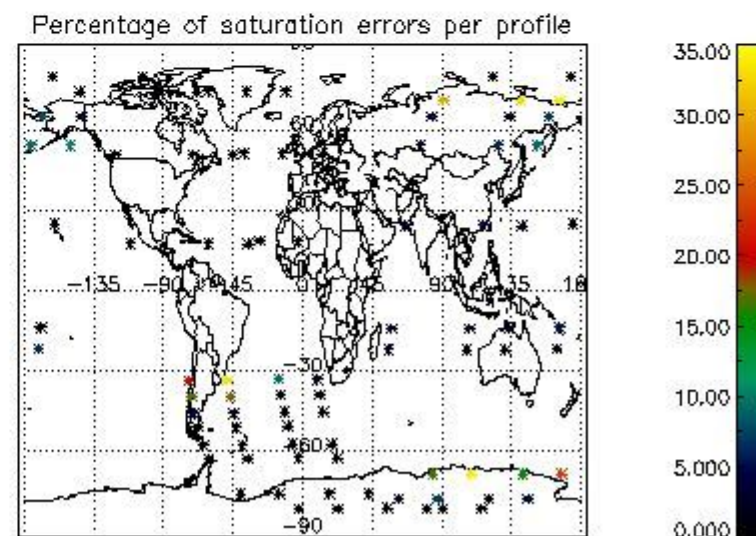
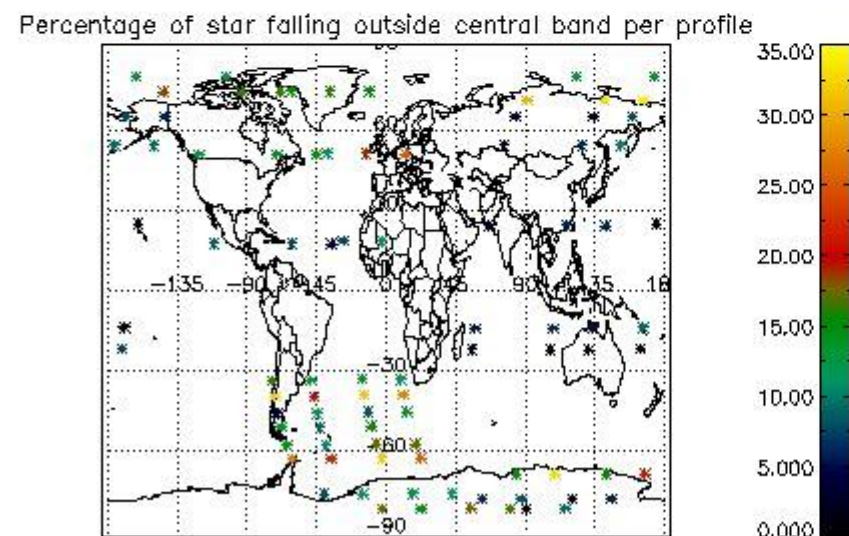
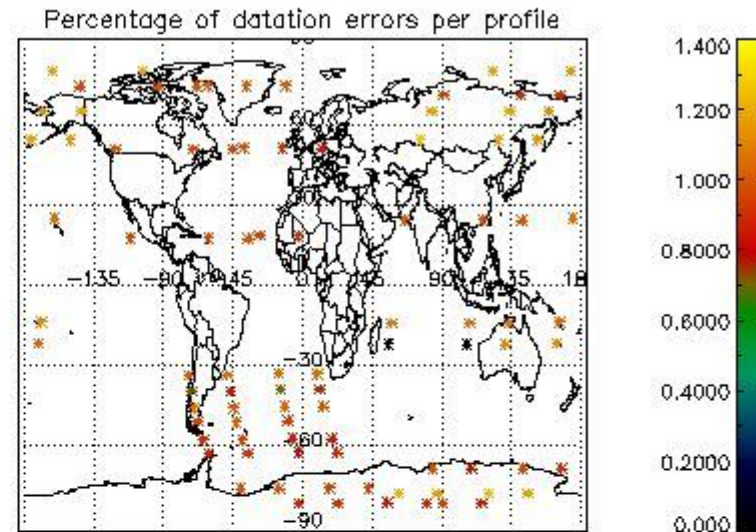
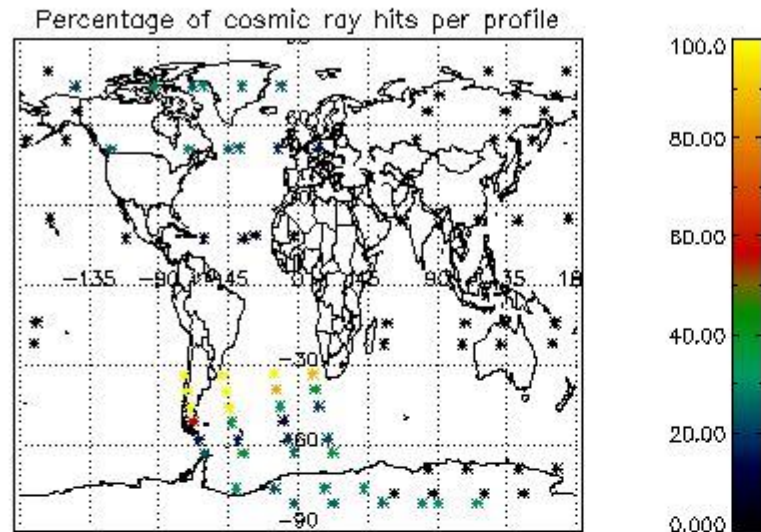
5.1 Percentage of products during reporting period with:

At least one measurement with demodulation flag set:	41.1111 %
Reference spectrum computed from DB:	0.00000 %
Reference spectrum with small number of measurements:	0.00000 %
SATU data not used:	0.00000 %

5.2 Plot quality information per product (time dependant)



5.3 Plot quality information per product (world map)



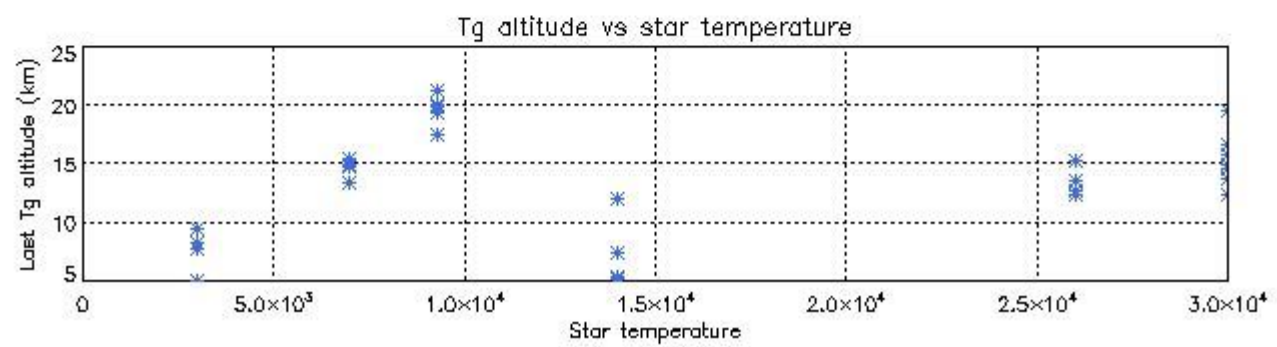
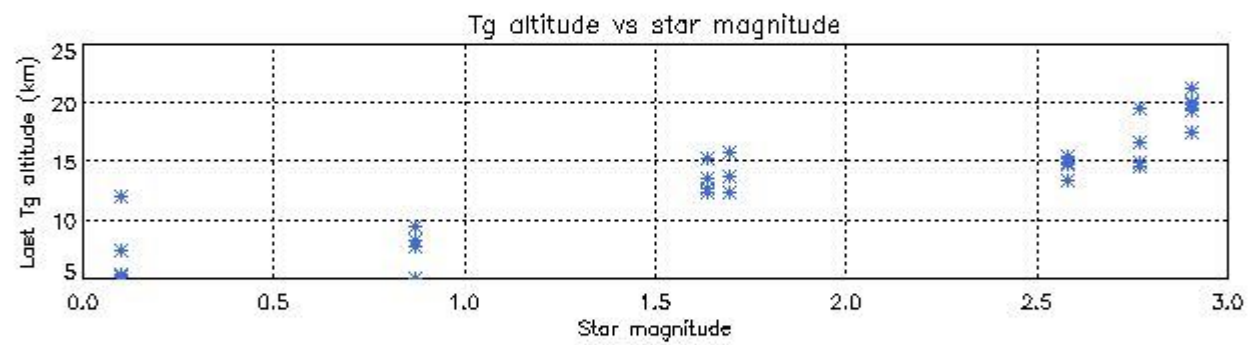
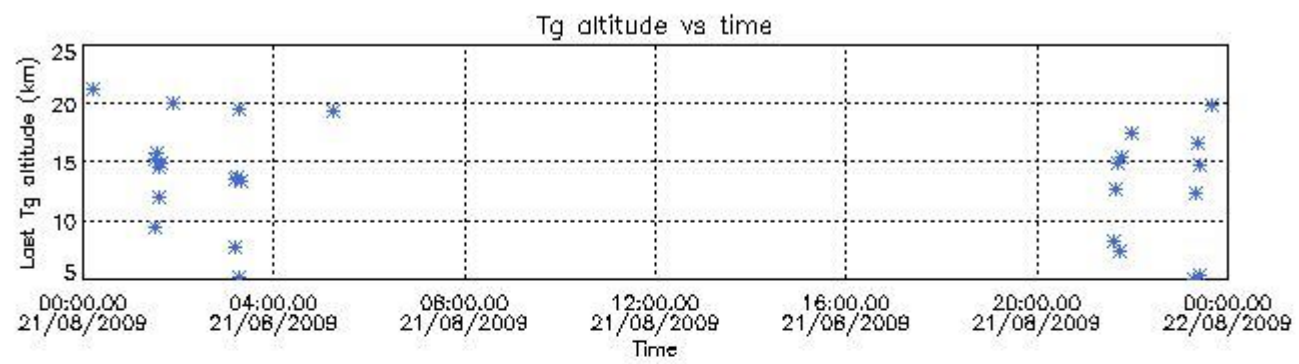
6. Statistics and plot of tangent altitude of the last measurement (DARK & BRIGHT products without errors)

6.1 Statistics on tangent altitude lost:

Statistics	DARK	BRIGHT	TWILIGHT
Mean:	13.501	18.778	NaN
St. deviation:	4.6599	6.0668	NaN
Maximum:	21.202	30.105	NaN
Minimum:	5.0007	4.1655	NaN
Number of data:	28.000	40.000	NaN

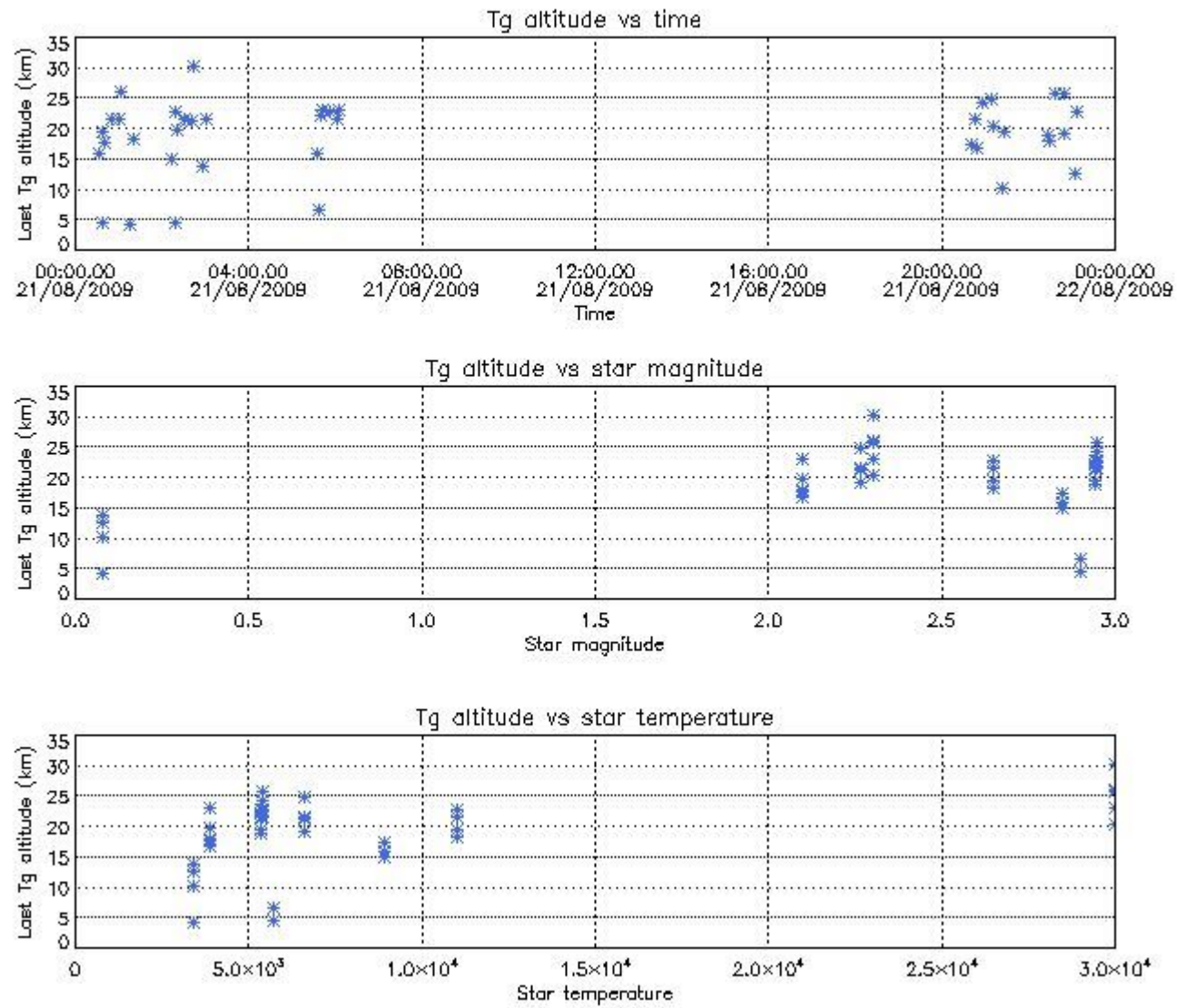
6.2 Plot for DARK limb products

Tangent altitude at which the star is lost



6.3 Plot for BRIGHT limb products

Tangent altitude at which the star is lost

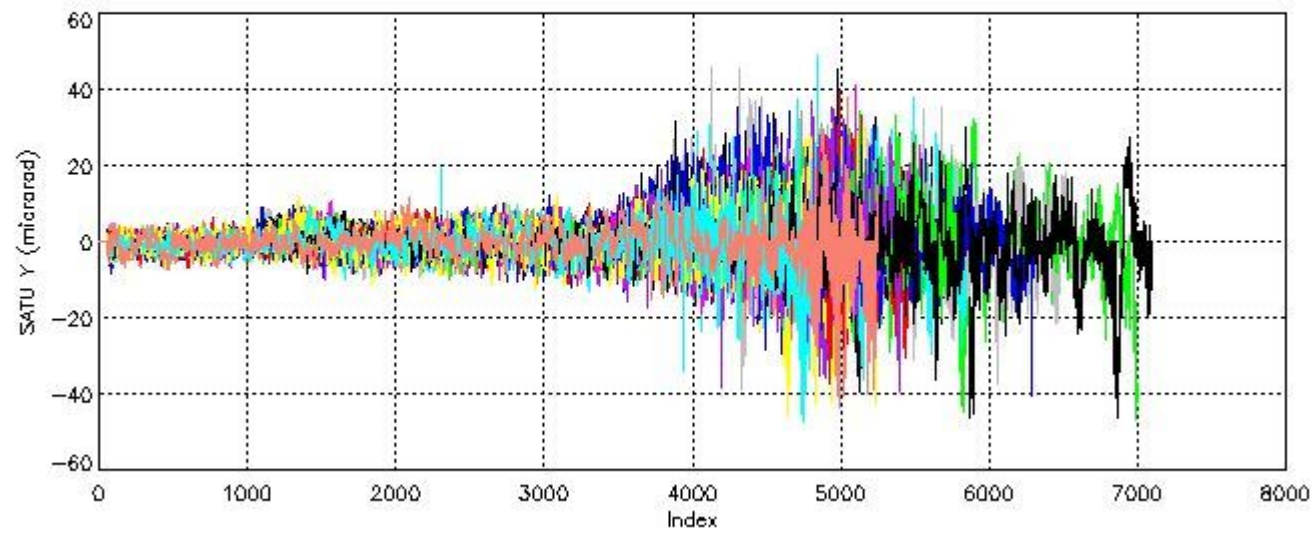
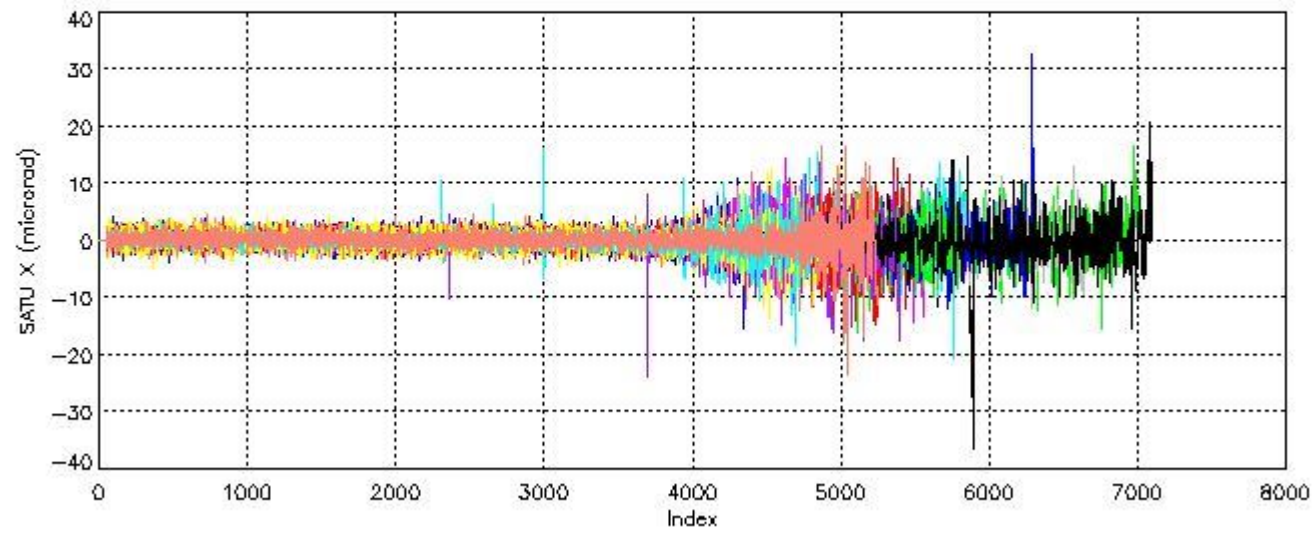


7. Star Acquisition and Tracking Unit (SATU)

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:	0.23525	-0.50504	0.28692	-0.56386
St. deviation:	0.61722	1.4374	0.75451	1.7139
Maximum:	4.6000	6.5000	4.6000	10.800
Minimum:	-4.9000	-8.4000	-4.1000	-8.5000

Number of data:	32350.	32350.	41550.	41550.
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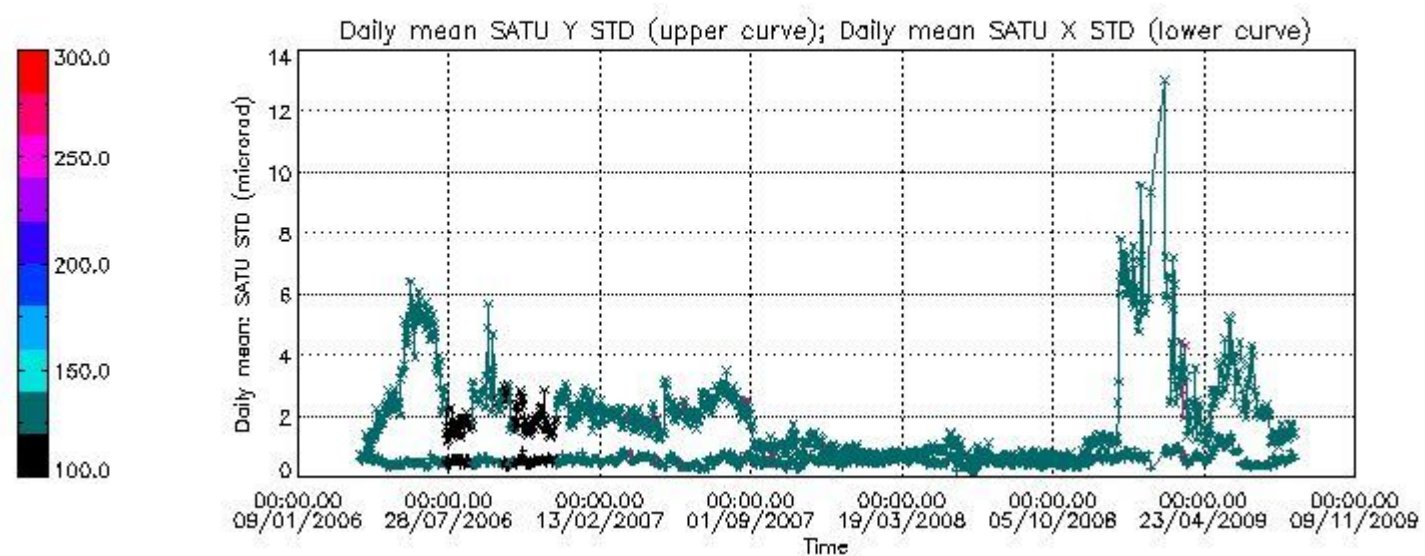
7.2.2 Trend of daily SATU NEA St. deviation since 1st April 2006 (dark limb)

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

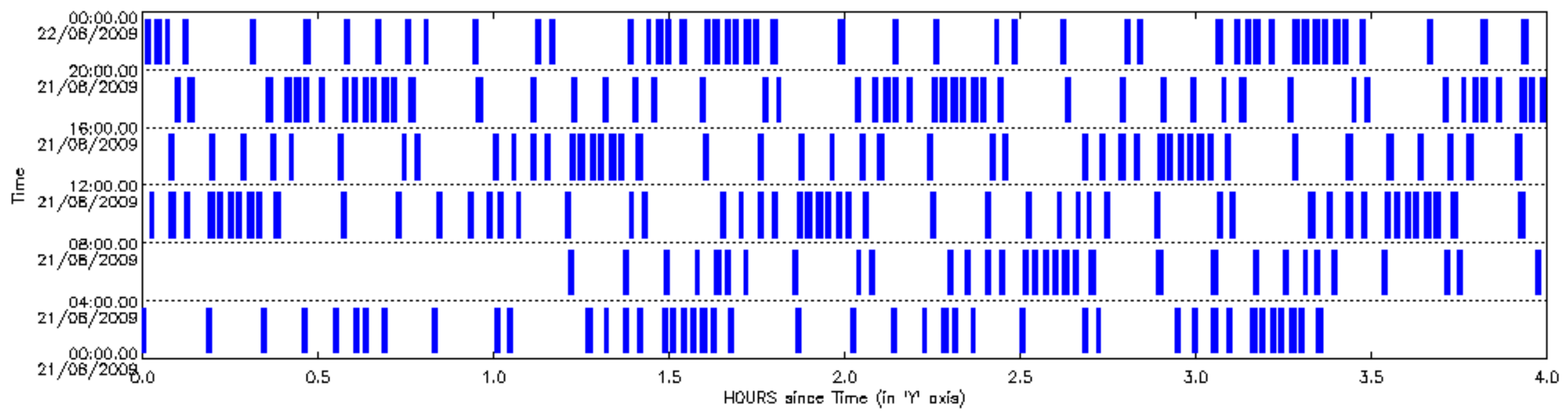
Lower curve: STD of SATU X axis

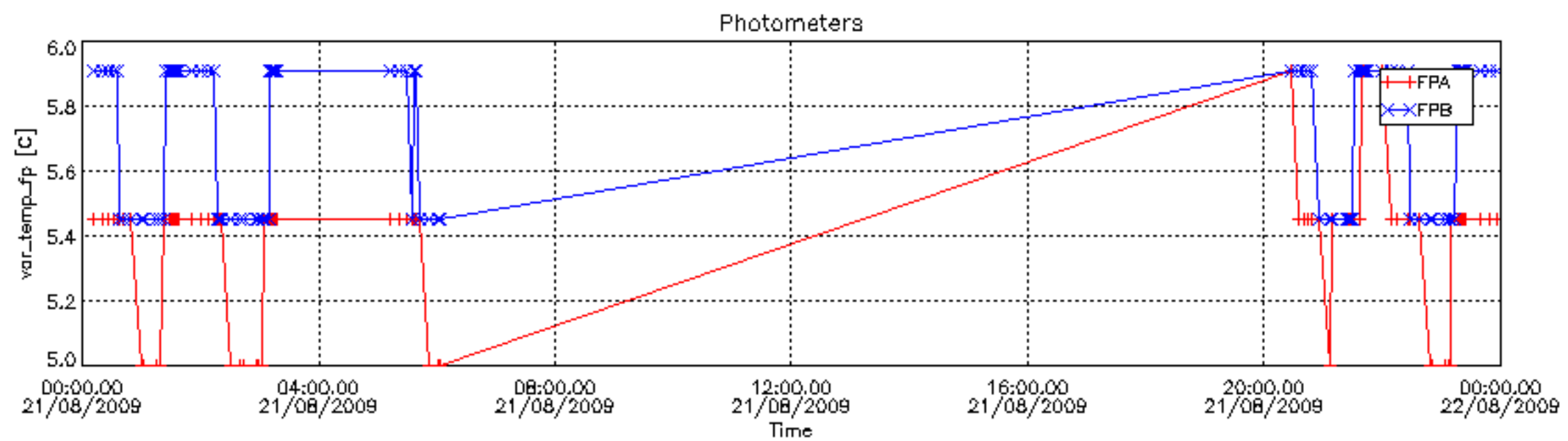
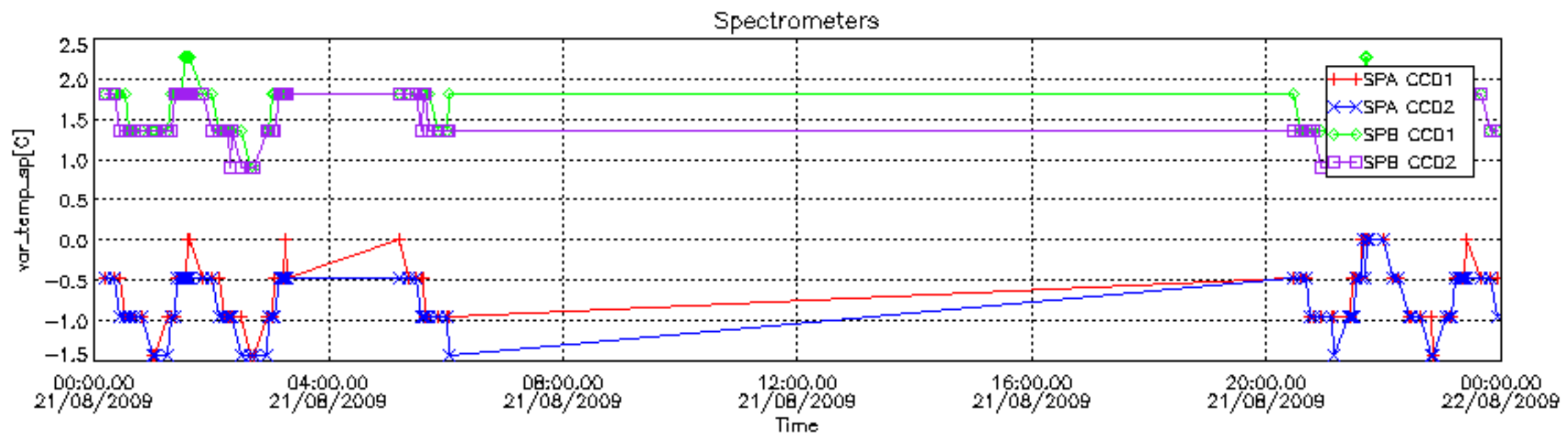


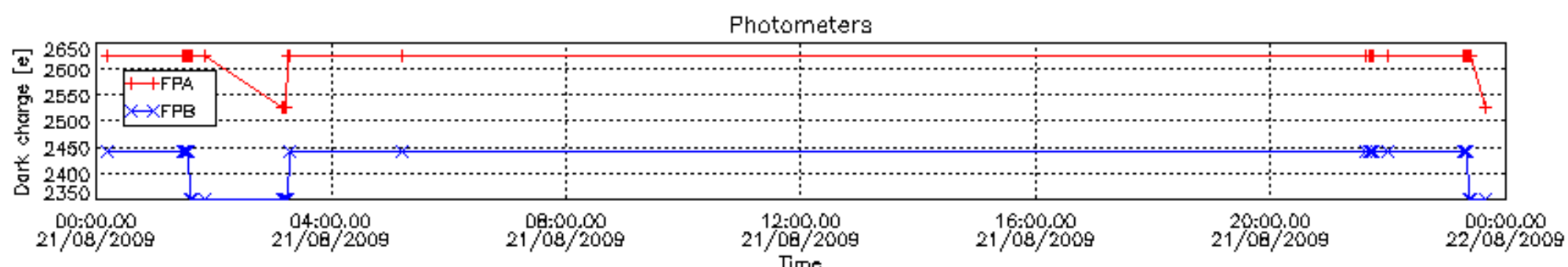
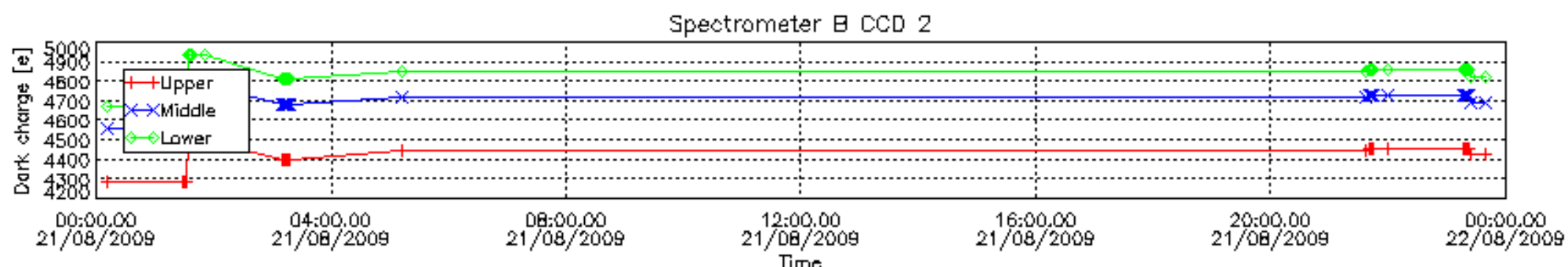
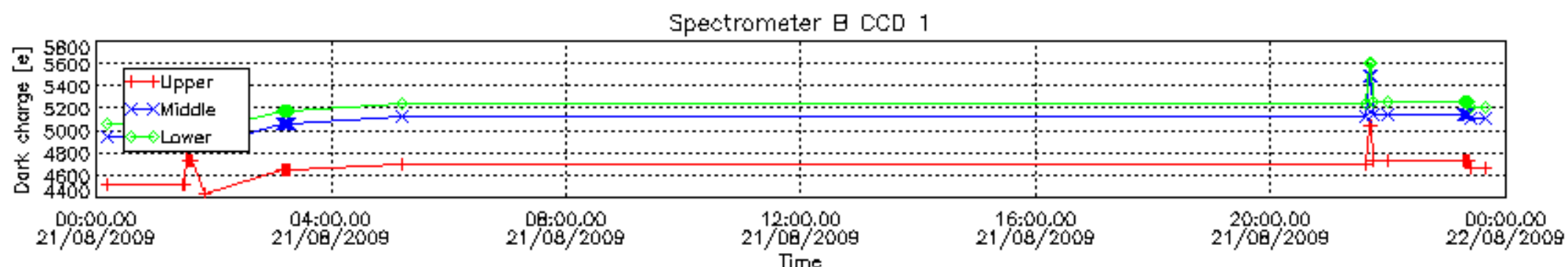
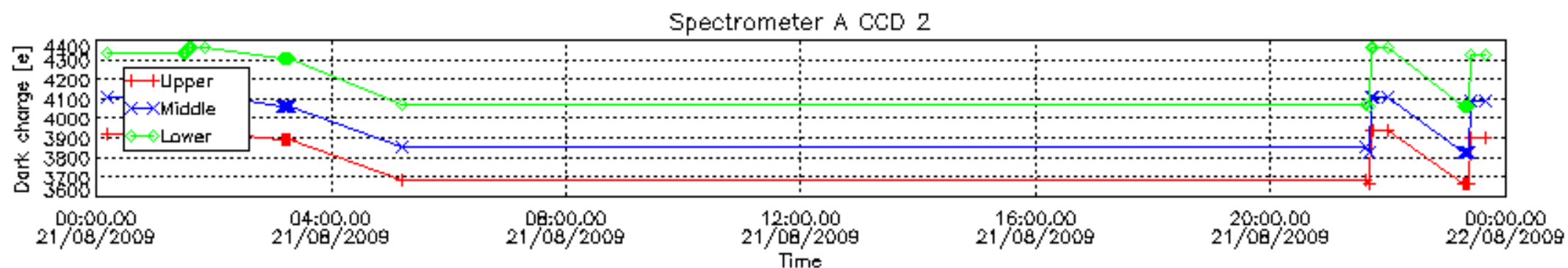
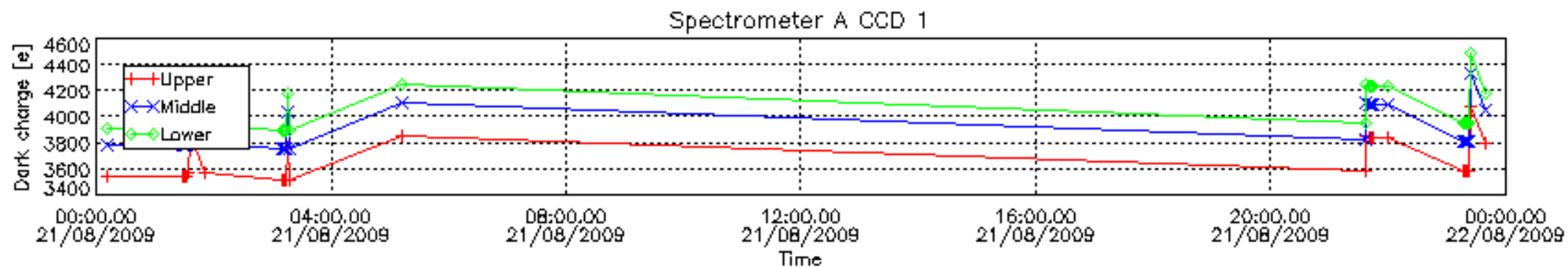
8. Auxiliary Data Files used for the production reported in section 2.4

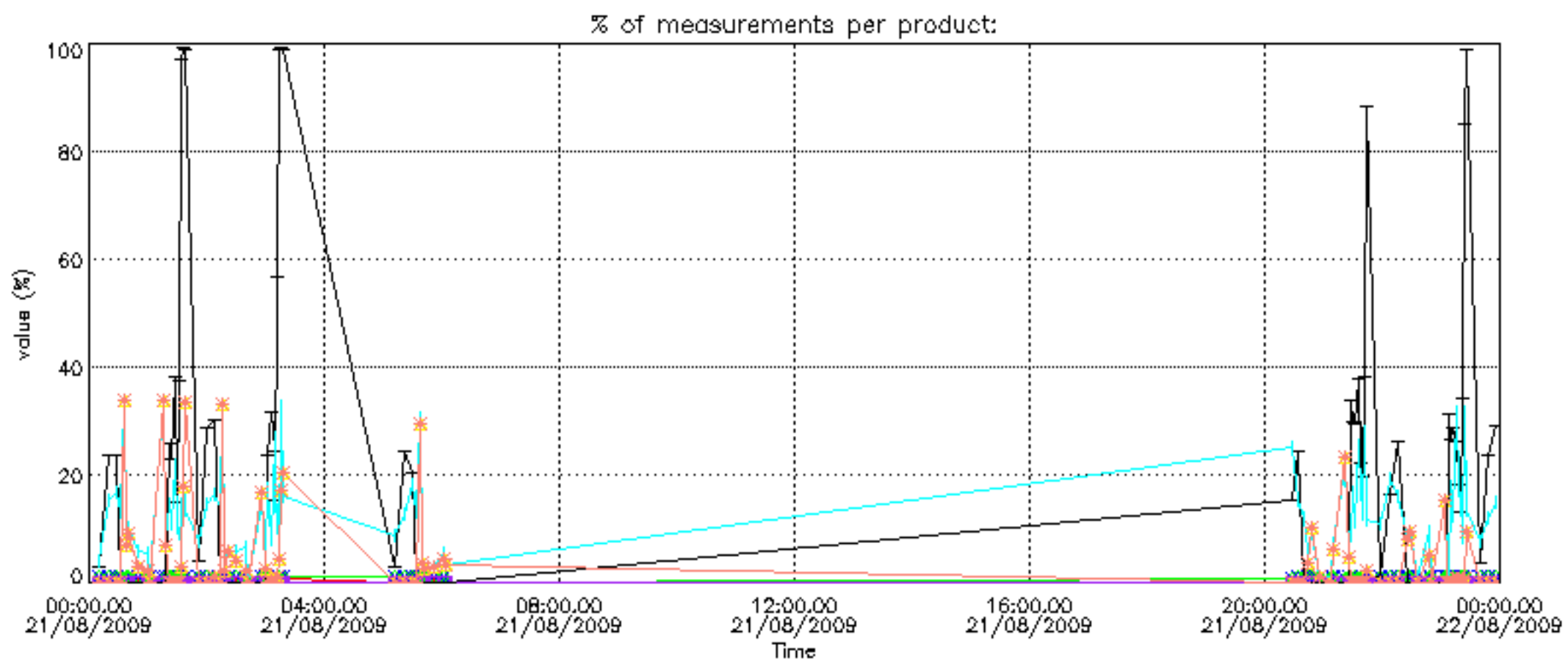
The number reported in the third column indicates since which file (see list in section 2.4) the corresponding auxiliary file has been used. The fourth column is the date of those product files.

Type	Auxiliary Filename	Used since product	Used since product date
INST_PHYS_CHARACTERISTICS	GOM_INS_AXNIEC20050627_150713_20030716_120000_20100101_000000	1	21-AUG-2009 00:10:51
CALIBRATION_DATABASE	GOM_CAL_AXVIEC20090818_144743_20090816_000000_20100101_000000	1	21-AUG-2009 00:10:51
LEVEL-1B_PROC_CONFIG	GOM_PR1_AXNIEC20050627_151042_20020301_000000_20100101_000000	1	21-AUG-2009 00:10:51
STAR_CATALOGUE	GOM_CAT_AXVIEC20020121_161009_20020101_000000_20200101_000000	1	21-AUG-2009 00:10:51
STELLAR_SPECTRA_DATABANK	GOM_STS_AXNIEC20040308_103538_20020101_160000_20100101_000000	1	21-AUG-2009 00:10:51
ECMWF_FILE	AUX_ECF_AXNECM20090820_064111_20090820_210000_20090821_090000	1	21-AUG-2009 00:10:51
ECMWF_FILE	AUX_ECF_AXNECM20090821_112115_20090821_150000_20090822_030000	51	21-AUG-2009 20:27:34
ECMWF_FILE	AUX_ECF_AXNECM20090821_112115_20090821_210000_20090822_090000	66	21-AUG-2009 21:39:28
OPTIONAL_ECMWF_FILE	MISSING	1	21-AUG-2009 00:10:51
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20090820_221212_000057382081_00444_39075_8596.N1	1	21-AUG-2009 00:10:51
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20090820_235309_000054192081_00445_39076_8597.N1	18	21-AUG-2009 01:33:36
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20090821_012847_000044632081_00446_39077_8598.N1	31	21-AUG-2009 02:56:19
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20090821_024829_000054192081_00447_39078_8599.N1	41	21-AUG-2009 05:12:43
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20090821_202548_000041442081_00458_39089_8601.N1	51	21-AUG-2009 20:27:34
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20090821_213452_000060572081_00458_39089_8602.N1	87	21-AUG-2009 23:23:22

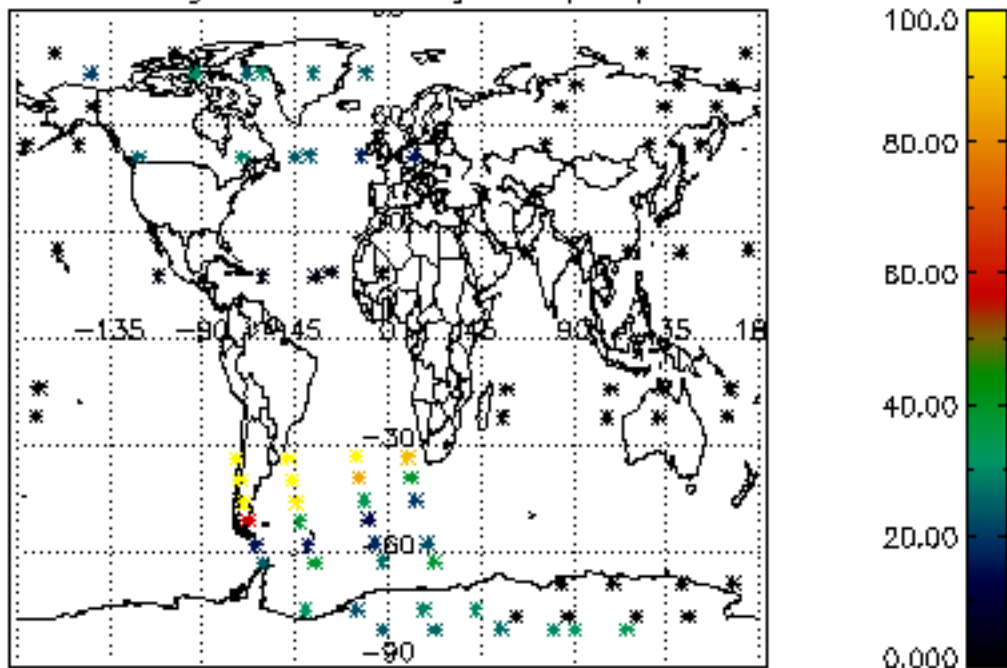




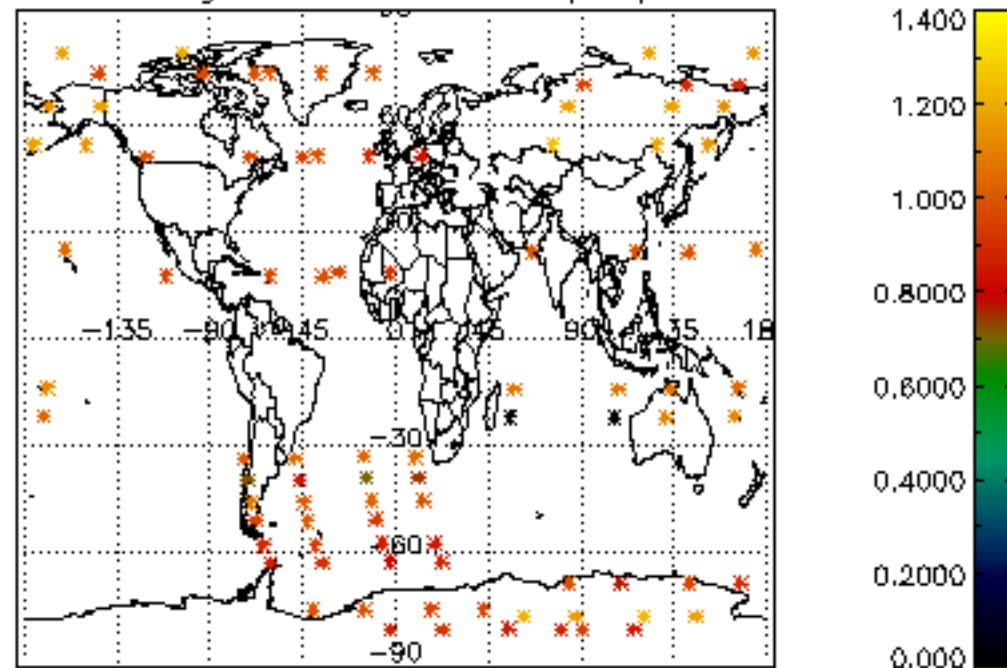




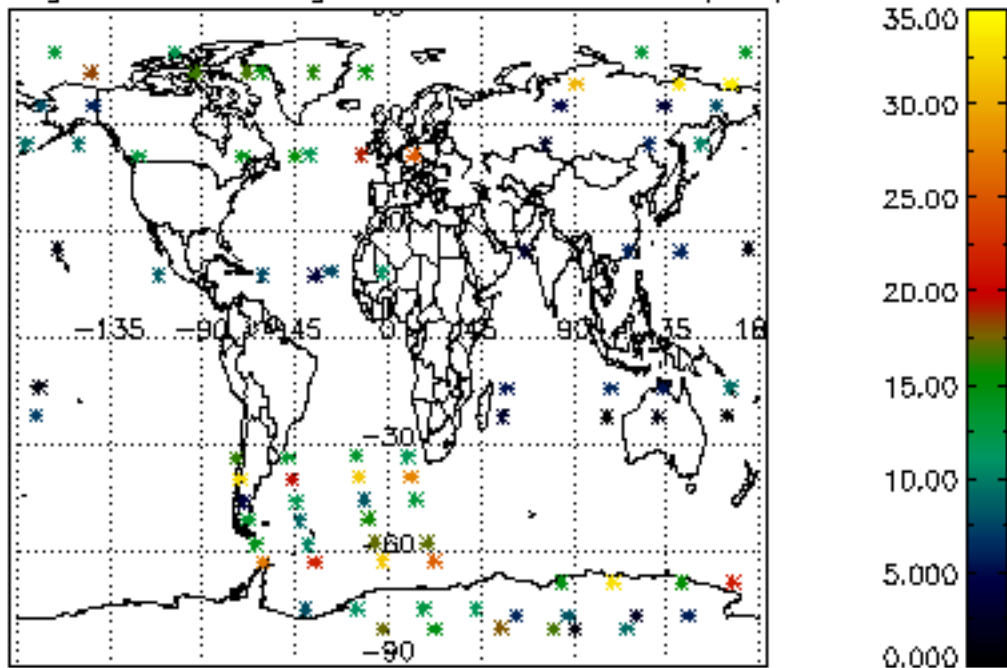
Percentage of cosmic ray hits per profile



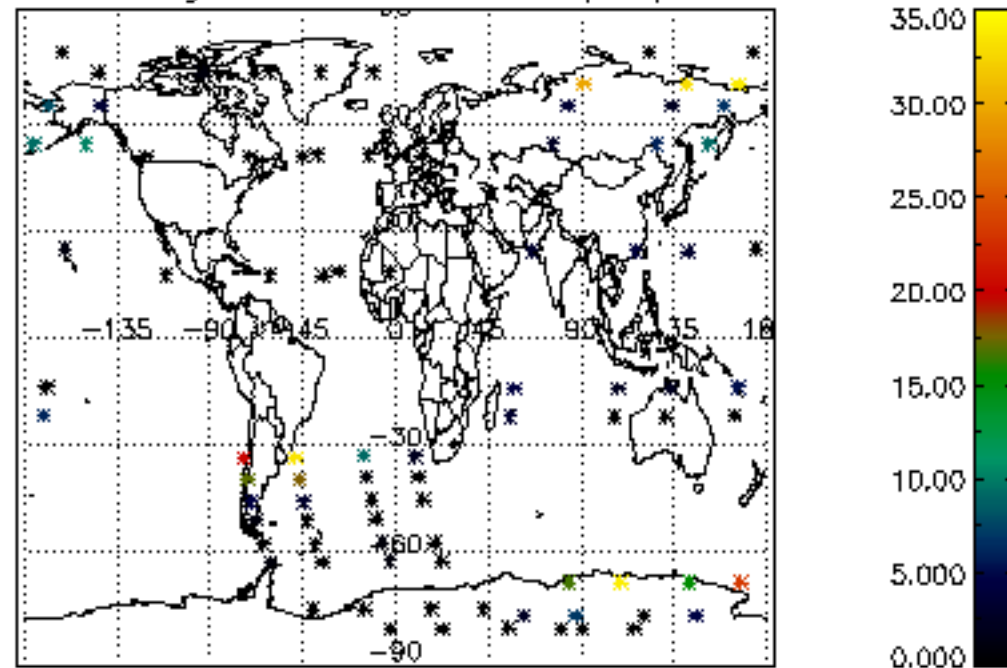
Percentage of datation errors per profile



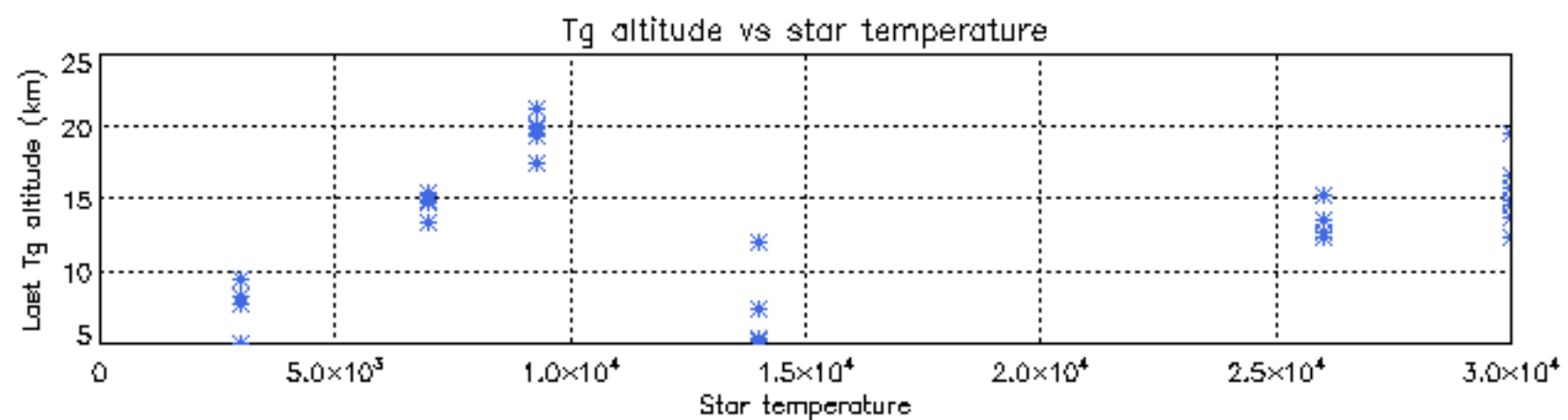
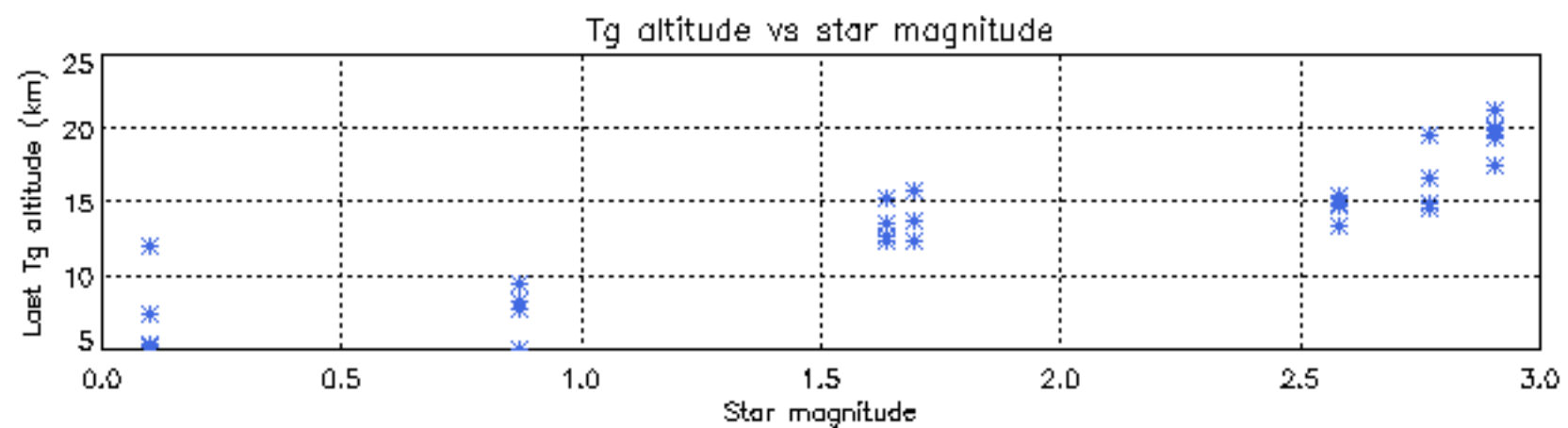
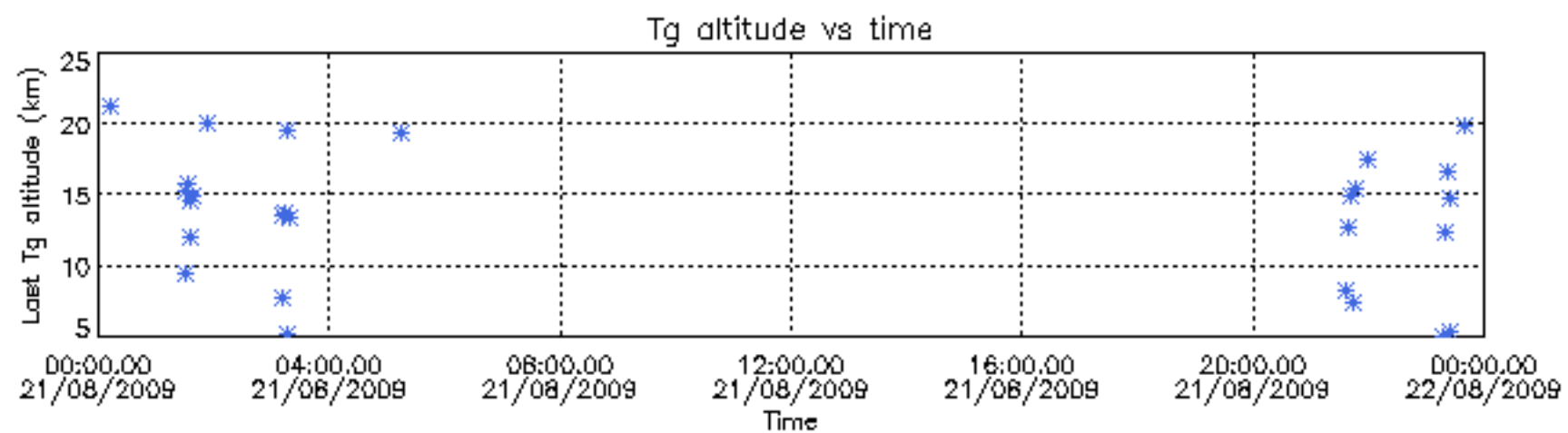
Percentage of star falling outside central band per profile



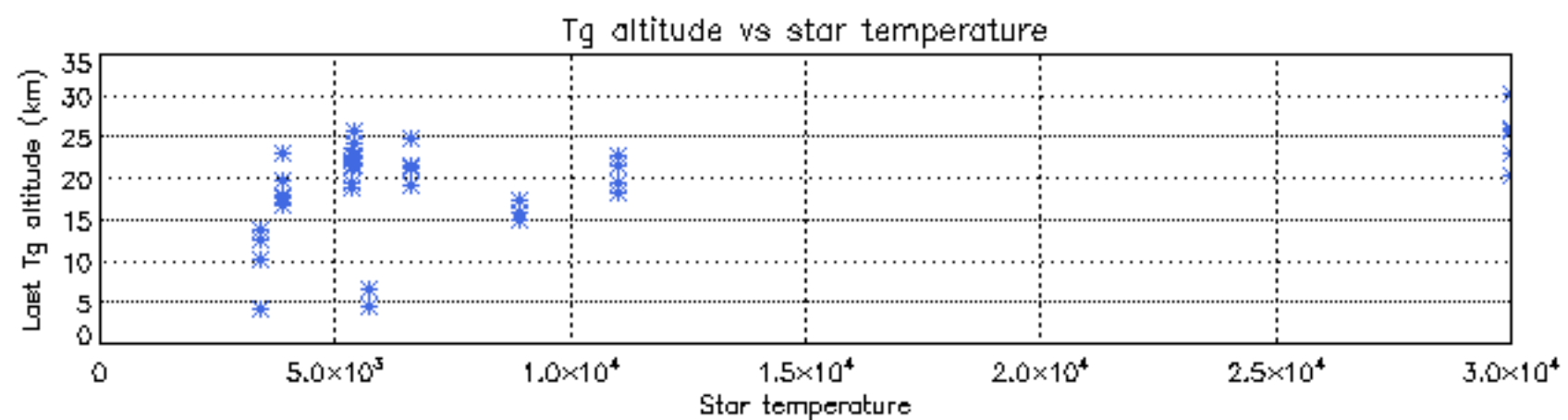
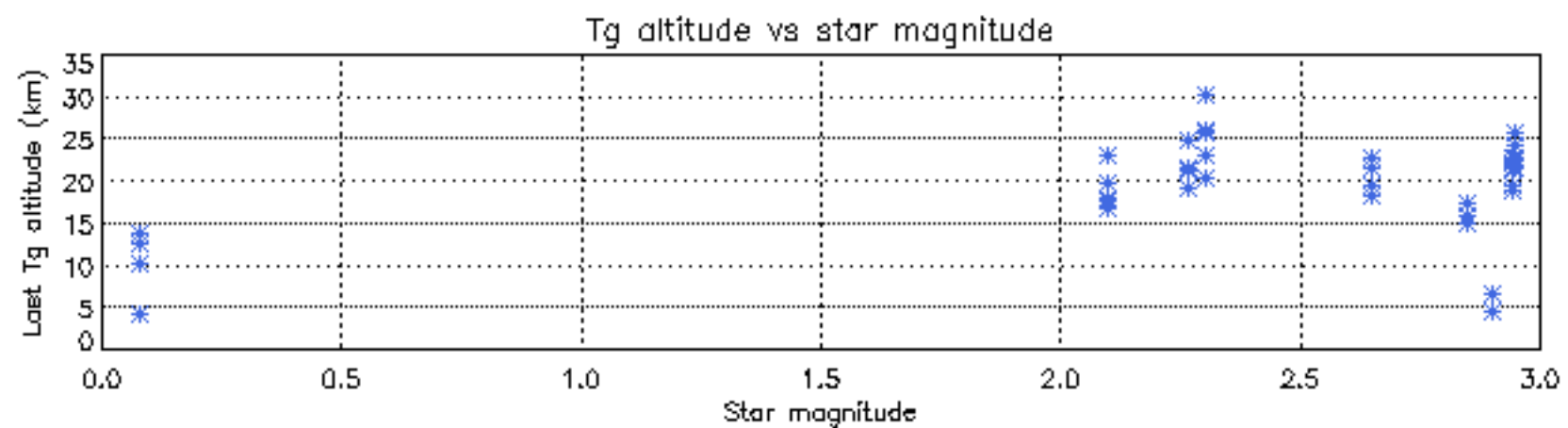
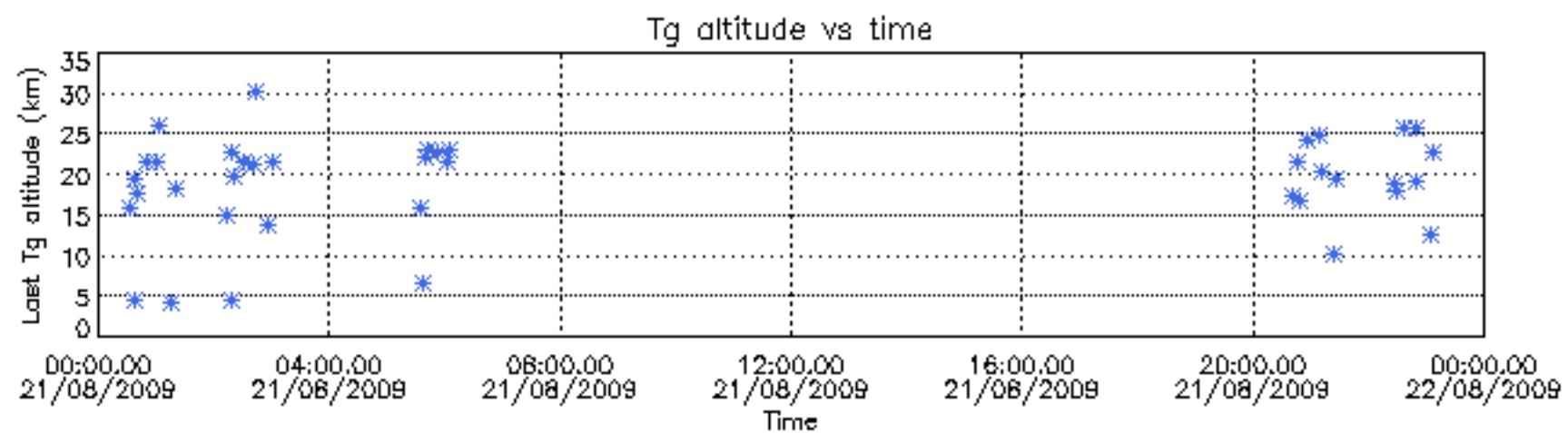
Percentage of saturation errors per profile

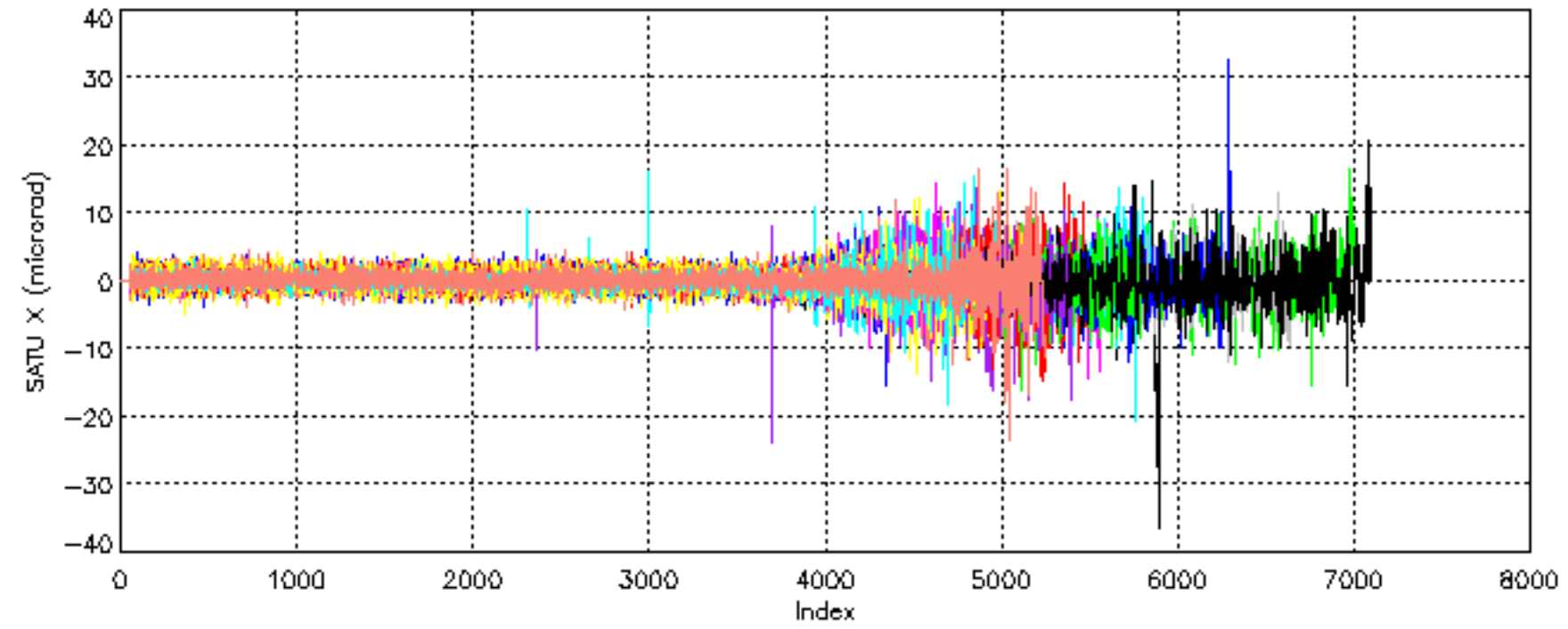


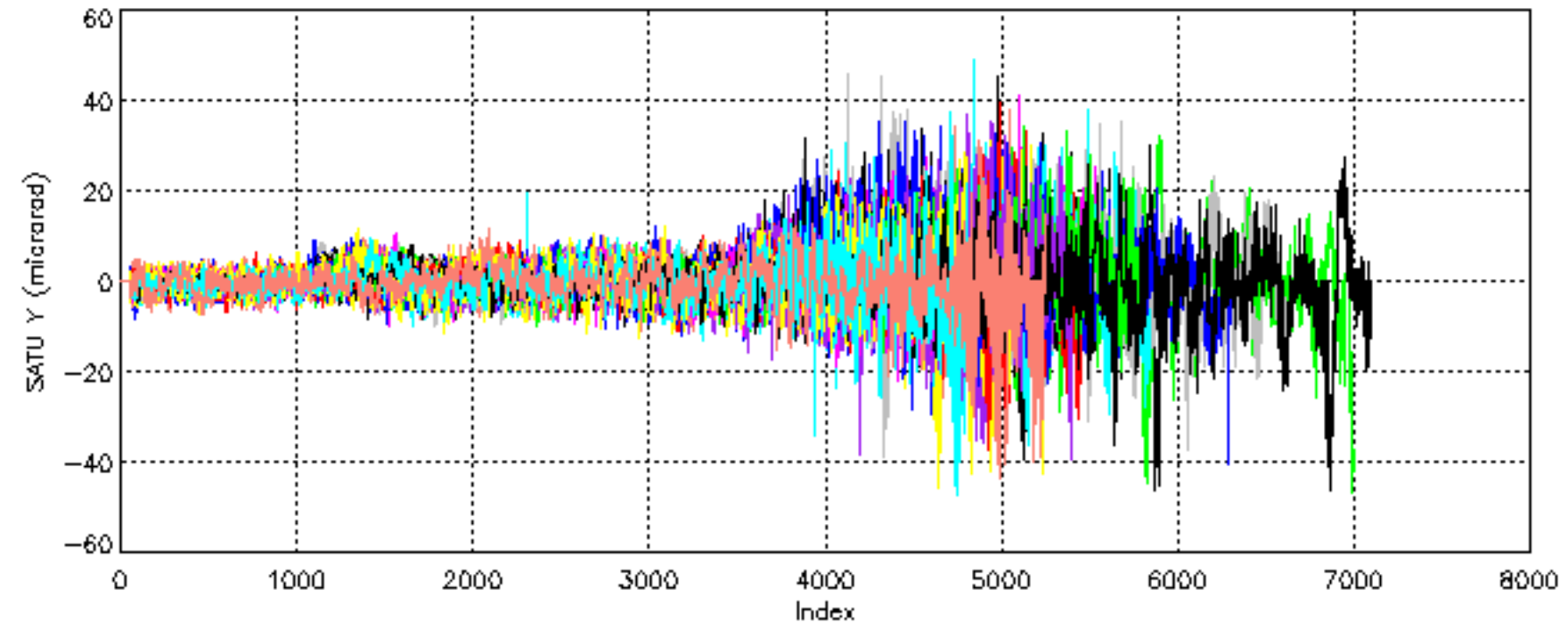
Tangent altitude at which the star is lost

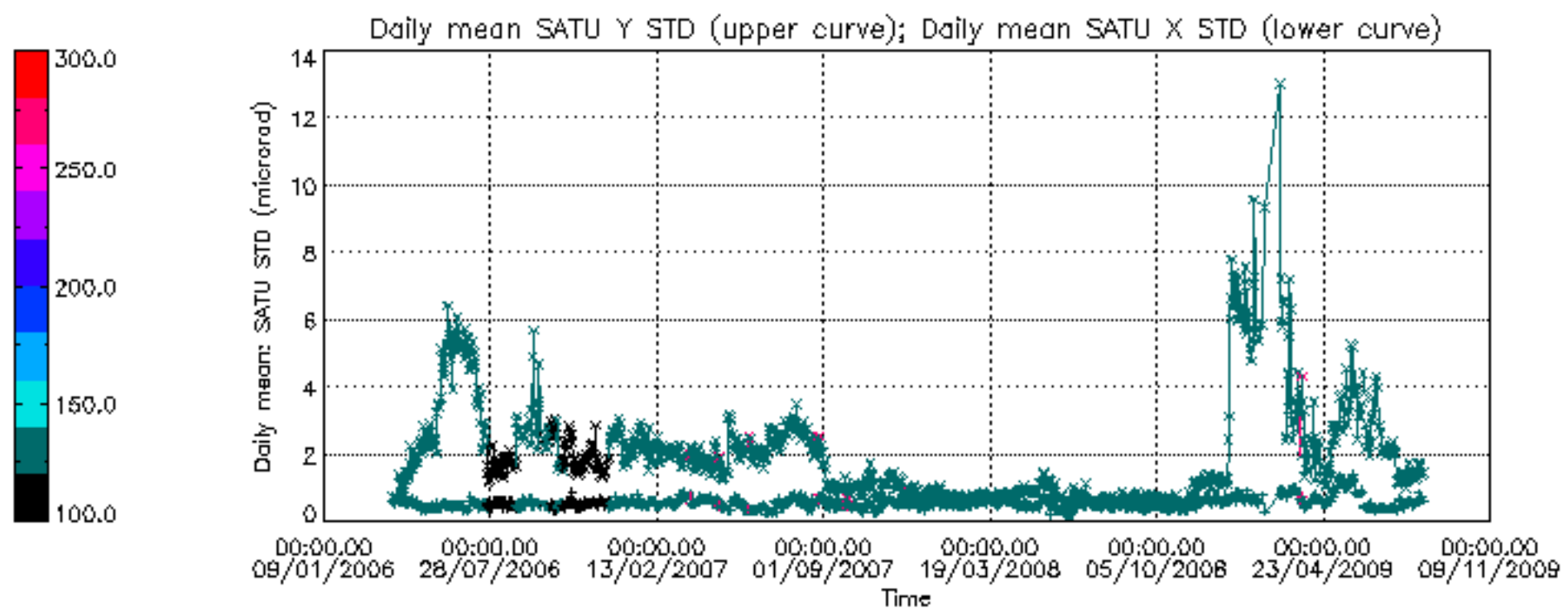


Tangent altitude at which the star is lost









/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

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 11; 1109.5; 01-AUG-2009 05:54:59; Dark ; 45.0; 172; Gam Gru ; 3.00; 13100;occ; 90; 0;38794
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 9; 2572.8; 01-AUG-2009 23:05:22; Bright; 47.5; 92; 53Eps Cyg ; 2.50; 4500;occ; 95; 0;38804
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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
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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
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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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 16; 5218.5; 07-AUG-2009 08:55:34; Dark ; 51.5; 7; 19Bet Ori ; 0.10; 14000;occ; 103; 0;38881
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 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
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 9; 3942.2; 07-AUG-2009 10:14:54; Bright; 53.0; 160; 23Gam Per ; 2.93; 4700;occ; 106; 0;38882
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 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
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 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
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 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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 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
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 12; 4310.0; 07-AUG-2009 12:01:38; Bright; 53.0; 149; 45Eps Per ; 2.89; 30000;occ; 106; 0;38883
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 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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 3; 2167.3; 07-AUG-2009 13:06:31; Bright; 49.0; 61; 8Eps Peg ; 2.10; 3900;occ; 98; 0;38884
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 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
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 8; 3403.9; 07-AUG-2009 13:27:07; Bright; 48.5; 74; 11Bet Cas ; 2.27; 6600;occ; 97; 0;38884
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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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 5; 2620.7; 07-AUG-2009 14:54:40; Bright; 56.0; 66; 37Gam Cyg ; 2.21; 5900;occ; 112; 0;38885
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 9; 3530.0; 07-AUG-2009 15:09:49; Bright; 48.5; 76; 27Gam Cas ; 2.30; 30000;occ; 97; 0;38885
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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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5; 707.9; 08-AUG-2009 22:14:10; Dark ; 54.0; 84; Alp Phe ; 2.40; 4500;occ; 108; 0;38904
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3; 2159.6; 08-AUG-2009 12:34:46; Bright; 74.0; 61; 8Eps Peg ; 2.10; 3900;occ; 148; 0;38898
4; 2532.6; 08-AUG-2009 12:40:59; Bright; 39.5; 92; 53Eps Cyg ; 2.50; 4500;occ; 79; 0;38898
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6; 3049.4; 08-AUG-2009 12:49:36; Bright; 39.5; 89; 5Alp Cep ; 2.45; 8000;occ; 79; 0;38898
7; 3392.4; 08-AUG-2009 12:55:19; Bright; 48.5; 74; 11Bet Cas ; 2.27; 6600;occ; 97; 0;38898
8; 3520.5; 08-AUG-2009 12:57:27; Bright; 49.5; 76; 27Gam Cas ; 2.30; 30000;occ; 99; 0;38898
9; 3934.6; 08-AUG-2009 13:04:21; Bright; 51.0; 160; 23Gam Per ; 2.93; 4700;occ; 102; 0;38898
10; 4043.9; 08-AUG-2009 13:06:10; Bright; 54.0; 35; 33Alp Per ; 1.79; 6250;occ; 108; 0;38898
11; 4200.0; 08-AUG-2009 13:08:46; Bright; 45.5; 6; 13Alp Aur ; 0.08; 3400;occ; 91; 0;38898
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13; 4533.0; 08-AUG-2009 13:14:19; Dark ; 47.5; 28; 12Bet Tau ; 1.65; 15200;occ; 95; 0;38898
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17; 5228.4; 08-AUG-2009 13:25:55; Dark ; 53.5; 7; 19Bet Ori ; 0.10; 14000;occ; 107; 0;38898
18; 5566.0; 08-AUG-2009 13:31:32; Dark ; 67.5; 165; 34Gam Eri ; 2.95; 3200;occ; 135; 0;38898
19; 5815.8; 08-AUG-2009 13:35:42; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;38898
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21; 6739.0; 08-AUG-2009 13:51:05; Dark ; 56.0; 84; Alp Phe ; 2.40; 4500;occ; 112; 0;38898
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23; 7236.2; 08-AUG-2009 13:59:23; Dark ; 57.5; 18; 24Alp PsA ; 1.17; 9700;occ; 115; 0;38898

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4; 2532.3; 08-AUG-2009 14:21:35; Bright; 39.5; 92; 53Eps Cyg ; 2.50; 4500;occ; 79; 0;38899
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6; 3049.2; 08-AUG-2009 14:30:11; Bright; 39.5; 89; 5Alp Cep ; 2.45; 8000;occ; 79; 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
12; 4308.6; 08-AUG-2009 14:51:11; Bright; 51.5; 149; 45Eps Per ; 2.89; 30000;occ; 103; 0;38899
13; 4533.3; 08-AUG-2009 14:54:56; Dark ; 49.5; 28; 12Bet Tau ; 1.65; 15200;occ; 99; 0;38899
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15; 4838.4; 08-AUG-2009 15:00:01; Dark ; 58.5; 13; 87Alp Tau ; 0.87; 3800;occ; 117; 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
22; 6948.2; 08-AUG-2009 15:35:10; Dark ; 53.0; 63; Bet Gru ; 2.15; 2800;occ; 106; 0;38899
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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2; 1806.7; 08-AUG-2009 15:50:05; Bright; 44.0; 154; 22Bet Aqr ; 2.90; 5700;occ; 88; 0;38900
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
11; 4199.9; 08-AUG-2009 16:29:58; Bright; 58.0; 6; 13Alp Aur ; 0.08; 3400;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
15; 4838.8; 08-AUG-2009 16:40:37; Dark ; 72.0; 13; 87Alp Tau ; 0.87; 3800;occ; 144; 0;38900
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17; 5229.7; 08-AUG-2009 16:47:08; Dark ; 56.5; 7; 19Bet Ori ; 0.10; 14000;occ; 113; 0;38900
18; 5568.6; 08-AUG-2009 16:52:47; Dark ; 62.5; 165; 34Gam Eri ; 2.95; 3200;occ; 125; 0;38900
19; 5817.6; 08-AUG-2009 16:56:56; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 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
22; 6948.7; 08-AUG-2009 17:15:47; Dark ; 51.0; 63; Bet Gru ; 2.15; 2800;occ; 102; 0;38900
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3; 1806.8; 08-AUG-2009 17:30:41; Bright; 66.0; 154; 22Bet Aqr ; 2.90; 5700;occ; 132; 0;38901
4; 2157.9; 08-AUG-2009 17:36:32; Bright; 52.0; 61; 8Eps Peg ; 2.10; 3900;occ; 104; 0;38901
5; 2531.6; 08-AUG-2009 17:42:46; Bright; 38.0; 92; 53Eps Cyg ; 2.50; 4500;occ; 76; 0;38901
6; 2722.6; 08-AUG-2009 17:45:57; Bright; 39.5; 19; 50Alp Cyg ; 1.25; 10500;occ; 79; 0;38901
7; 3048.7; 08-AUG-2009 17:51:23; Bright; 39.0; 89; 5Alp Cep ; 2.45; 8000;occ; 78; 0;38901
8; 3390.1; 08-AUG-2009 17:57:04; Bright; 50.0; 74; 11Bet Cas ; 2.27; 6600;occ; 100; 0;38901
9; 3518.0; 08-AUG-2009 17:59:12; Bright; 50.5; 76; 27Gam Cas ; 2.30; 30000;occ; 101; 0;38901
10; 3933.4; 08-AUG-2009 18:06:08; Bright; 70.5; 160; 23Gam Per ; 2.93; 4700;occ; 141; 0;38901
11; 4042.8; 08-AUG-2009 18:07:57; Bright; 55.0; 35; 33Alp Per ; 1.79; 6250;occ; 110; 0;38901
12; 4199.9; 08-AUG-2009 18:10:34; Bright; 55.5; 6; 13Alp Aur ; 0.08; 3400;occ; 111; 0;38901
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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16; 4839.4; 08-AUG-2009 18:21:14; Dark ; 63.5; 13; 87Alp Tau ; 0.87; 3800;occ; 127; 0;38901
17; 4952.9; 08-AUG-2009 18:23:07; Dark ; 48.0; 27; 24Gam Ori ; 1.64; 26000;occ; 96; 0;38901
18; 5230.2; 08-AUG-2009 18:27:44; Dark ; 58.0; 7; 19Bet Ori ; 0.10; 14000;occ; 116; 0;38901
19; 5569.7; 08-AUG-2009 18:33:24; Dark ; 63.0; 165; 34Gam Eri ; 2.95; 3200;occ; 126; 0;38901
20; 5818.4; 08-AUG-2009 18:37:33; Dark ; 59.0; 0; ; 0.00; 0;occ; 118; 0;38901
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
23; 6949.3; 08-AUG-2009 18:56:24; Dark ; 56.0; 63; Bet Gru ; 2.15; 2800;occ; 112; 0;38901
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3; 1806.6; 08-AUG-2009 19:11:17; Bright; 46.5; 154; 22Bet Aqr ; 2.90; 5700;occ; 93; 0;38902
4; 2157.5; 08-AUG-2009 19:17:08; Bright; 51.0; 61; 8Eps Peg ; 2.10; 3900;occ; 102; 0;38902
5; 2531.5; 08-AUG-2009 19:23:22; Bright; 39.5; 92; 53Eps Cyg ; 2.50; 4500;occ; 79; 0;38902
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
10; 3932.8; 08-AUG-2009 19:46:43; Bright; 54.5; 160; 23Gam Per ; 2.93; 4700;occ; 109; 0;38902
11; 4042.3; 08-AUG-2009 19:48:33; Bright; 54.5; 35; 33Alp Per ; 1.79; 6250;occ; 109; 0;38902
12; 4199.8; 08-AUG-2009 19:51:10; Bright; 47.5; 6; 13Alp Aur ; 0.08; 3400;occ; 95; 0;38902
13; 4308.3; 08-AUG-2009 19:52:58; Bright; 52.5; 149; 45Eps Per ; 2.89; 30000;occ; 105; 0;38902
14; 4533.7; 08-AUG-2009 19:56:44; Dark ; 47.0; 28; 12Bet Tau ; 1.65; 15200;occ; 94; 0;38902
15; 4665.4; 08-AUG-2009 19:58:56; Dark ; 44.5; 176; 23Zet Tau ; 3.02; 22000;occ; 89; 0;38902
16; 4839.8; 08-AUG-2009 20:01:50; Dark ; 62.5; 13; 87Alp Tau ; 0.87; 3800;occ; 125; 0;38902
17; 4953.3; 08-AUG-2009 20:03:44; Dark ; 46.5; 27; 24Gam Ori ; 1.64; 26000;occ; 93; 0;38902
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19; 5571.0; 08-AUG-2009 20:14:01; Dark ; 62.0; 165; 34Gam Eri ; 2.95; 3200;occ; 124; 0;38902
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21; 6127.3; 08-AUG-2009 20:23:17; Dark ; 48.0; 157; The1Eri ; 2.91; 9300;occ; 96; 0;38902
22; 6742.9; 08-AUG-2009 20:33:33; Dark ; 53.0; 84; Alp Phe ; 2.40; 4500;occ; 106; 0;38902
23; 6949.8; 08-AUG-2009 20:37:00; Dark ; 57.5; 63; Bet Gru ; 2.15; 2800;occ; 115; 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
 11; 2721.2; 09-AUG-2009 02:08:55; Bright; 38.0; 19; 50Alp Cyg ; 1.25; 10500;occ; 76; 0;38906
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 5;-1501.5; 09-AUG-2009 02:39:08; Dark ; 48.0; 28; 12Bet Tau ; 1.65; 15200;occ; 96; 0;38906
 6;-1369.2; 09-AUG-2009 02:41:20; Dark ; 43.5; 176; 23Zet Tau ; 3.02; 22000;occ; 87; 0;38906
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 12; 95.7; 09-AUG-2009 03:05:45; Dark ; 49.5; 157; The1Eri ; 2.91; 9300;occ; 99; 0;38907
 13; 710.9; 09-AUG-2009 03:16:01; Dark ; 59.5; 84; Alp Phe ; 2.40; 4500;occ; 119; 0;38907
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 13; 711.7; 09-AUG-2009 04:56:37; Dark ; 56.5; 84; Alp Phe ; 2.40; 4500;occ; 113; 0;38908
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12; 4199.3; 09-AUG-2009 21:00:08; Bright; 46.0; 6; 13Alp Aur ; 0.08; 3400;occ; 92; 0;38917
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23; 4960.6; 09-AUG-2009 22:53:26; Dark ; 49.0; 27; 24Gam Ori ; 1.64; 26000;occ; 98; 0;38918
24; 5067.7; 09-AUG-2009 22:55:13; Dark ; 46.5; 72; 34Del Ori ; 2.25; 30000;occ; 93; 0;38918
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8; 1805.0; 09-AUG-2009 23:41:26; Bright; 42.5; 154; 22Bet Aqr ; 2.90; 5700;occ; 85; 0;38919
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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21; 6961.1; 10-AUG-2009 09:30:22; Dark ; 58.0; 63; Bet Gru ; 2.15; 2800;occ; 116; 0;38924
22; 7249.9; 10-AUG-2009 09:35:10; Dark ; 57.0; 18; 24Alp PsA ; 1.17; 9700;occ; 114; 0;38924
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 4; 1946.3; 10-AUG-2009 16:29:46; Bright; 25.0; 162; 34Alp Aqr ; 2.94; 5350;occ; 50; 0;38929
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 9; 3366.5; 10-AUG-2009 18:34:03; Bright; 51.5; 74; 11Bet Cas ; 2.27; 6600;occ; 103; 0;38930
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 11; 3918.9; 10-AUG-2009 18:43:15; Bright; 53.5; 160; 23Gam Per ; 2.93; 4700;occ; 107; 0;38930
 12; 4031.1; 10-AUG-2009 18:45:07; Bright; 54.5; 35; 33Alp Per ; 1.79; 6250;occ; 109; 0;38930
 13; 4198.6; 10-AUG-2009 18:47:55; Bright; 48.0; 6; 13Alp Aur ; 0.08; 3400;occ; 96; 0;38930
 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
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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
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 21; 5608.4; 10-AUG-2009 19:11:25; Dark ; 69.5; 165; 34Gam Eri ; 2.95; 3200;occ; 139; 0;38930
 22; 5843.3; 10-AUG-2009 19:15:19; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;38930
 23; 6158.5; 10-AUG-2009 19:20:35; Dark ; 49.5; 157; The1Eri ; 2.91; 9300;occ; 99; 0;38930
 24; 6769.3; 10-AUG-2009 19:30:45; Dark ; 64.5; 84; Alp Phe ; 2.40; 4500;occ; 129; 0;38930

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 6; 1584.0; 11-AUG-2009 00:46:44; Bright; 45.5; 142; 49Del Cap ; 2.85; 8900;occ; 91; 0;38934
 7; 1803.6; 11-AUG-2009 00:50:23; Bright; 42.5; 154; 22Bet Aqr ; 2.90; 5700;occ; 85; 0;38934
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 9; 2141.7; 11-AUG-2009 00:56:01; Bright; 50.0; 61; 8Eps Peg ; 2.10; 3900;occ; 100; 0;38934
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 18; 4539.2; 11-AUG-2009 01:35:59; Dark ; 50.5; 28; 12Bet Tau ; 1.65; 15200;occ; 101; 0;38934
 19; 4673.9; 11-AUG-2009 01:38:14; Dark ; 44.0; 176; 23Zet Tau ; 3.02; 22000;occ; 88; 0;38934
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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
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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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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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15; 1584.4; 11-AUG-2009 05:48:32; Bright; 44.5; 142; 49Del Cap ; 2.85; 8900;occ; 89; 0;38937
16; 1803.6; 11-AUG-2009 05:52:11; Bright; 45.5; 154; 22Bet Aqr ; 2.90; 5700;occ; 91; 0;38937
17; 1943.4; 11-AUG-2009 05:54:31; Bright; 51.0; 162; 34Alp Aqr ; 2.94; 5350;occ; 102; 0;38937
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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
13; 4098.3; 11-AUG-2009 21:35:49; Bright; 50.0; 175; 39Del Per ; 3.01; 19400;occ; 100; 0;38946
14; 4541.6; 11-AUG-2009 21:43:13; Dark ; 49.0; 28; 12Bet Tau ; 1.65; 15200;occ; 98; 0;38946
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22; 4974.7; 11-AUG-2009 23:31:02; Dark ; 50.5; 27; 24Gam Ori ; 1.64; 26000;occ; 101; 0;38947
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8; 1939.6; 12-AUG-2009 00:21:02; Bright; 51.0; 162; 34Alp Aqr ; 2.94; 5350;occ; 102; 0;38948
9; 2135.7; 12-AUG-2009 00:24:18; Bright; 47.5; 61; 8Eps Peg ; 2.10; 3900;occ; 95; 0;38948
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12; 3033.3; 12-AUG-2009 00:39:16; Bright; 38.5; 89; 5Alp Cep ; 2.45; 8000;occ; 77; 0;38948
13; 3352.1; 12-AUG-2009 00:44:35; Bright; 46.0; 74; 11Bet Cas ; 2.27; 6600;occ; 92; 0;38948
14; 3483.2; 12-AUG-2009 00:46:46; Bright; 50.5; 76; 27Gam Cas ; 2.30; 30000;occ; 101; 0;38948
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19; 4677.7; 12-AUG-2009 01:06:40; Dark ; 45.0; 176; 23Zet Tau ; 3.02; 22000;occ; 90; 0;38948
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21; 4975.2; 12-AUG-2009 01:11:38; Dark ; 50.0; 27; 24Gam Ori ; 1.64; 26000;occ; 100; 0;38948
22; 5091.0; 12-AUG-2009 01:13:34; Dark ; 46.5; 30; 46Eps Ori ; 1.69; 30000;occ; 93; 0;38948
23; 5174.4; 12-AUG-2009 01:14:57; Dark ; 45.0; 125; 44Iot Ori ; 2.77; 30000;occ; 90; 0;38948
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 3; 2140.2; 11-AUG-2009 07:38:24; Bright; 49.5; 61; 8Eps Peg ; 2.10; 3900;occ; 99; 0;38938
 4; 2519.7; 11-AUG-2009 07:44:43; Bright; 40.5; 92; 53Eps Cyg ; 2.50; 4500;occ; 81; 0;38938
 5; 2711.6; 11-AUG-2009 07:47:55; Bright; 39.0; 19; 50Alp Cyg ; 1.25; 10500;occ; 78; 0;38938
 6; 3036.3; 11-AUG-2009 07:53:20; Bright; 38.0; 89; 5Alp Cep ; 2.45; 8000;occ; 76; 0;38938
 7; 3360.2; 11-AUG-2009 07:58:44; Bright; 49.5; 74; 11Bet Cas ; 2.27; 6600;occ; 99; 0;38938
 8; 3490.8; 11-AUG-2009 08:00:54; Bright; 49.5; 76; 27Gam Cas ; 2.30; 30000;occ; 99; 0;38938
 9; 3914.8; 11-AUG-2009 08:07:58; Bright; 50.0; 160; 23Gam Per ; 2.93; 4700;occ; 100; 0;38938
 10; 4027.7; 11-AUG-2009 08:09:51; Bright; 55.5; 35; 33Alp Per ; 1.79; 6250;occ; 111; 0;38938
 11; 4198.4; 11-AUG-2009 08:12:42; Bright; 49.0; 6; 13Alp Aur ; 0.08; 3400;occ; 98; 0;38938
 12; 4540.2; 11-AUG-2009 08:18:24; Dark ; 47.5; 28; 12Bet Tau ; 1.65; 15200;occ; 95; 0;38938
 13; 4675.0; 11-AUG-2009 08:20:39; Dark ; 42.5; 176; 23Zet Tau ; 3.02; 22000;occ; 85; 0;38938
 14; 4859.8; 11-AUG-2009 08:23:43; Dark ; 76.0; 13; 87Alp Tau ; 0.87; 3800;occ; 152; 0;38938
 15; 4970.1; 11-AUG-2009 08:25:34; Dark ; 42.5; 27; 24Gam Ori ; 1.64; 26000;occ; 85; 0;38938
 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
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 19; 5850.3; 11-AUG-2009 08:40:14; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 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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 6; 3036.1; 11-AUG-2009 09:33:56; Bright; 57.0; 89; 5Alp Cep ; 2.45; 8000;occ; 114; 0;38939
 7; 3359.3; 11-AUG-2009 09:39:19; Bright; 49.0; 74; 11Bet Cas ; 2.27; 6600;occ; 98; 0;38939
 8; 3490.0; 11-AUG-2009 09:41:29; Bright; 48.5; 76; 27Gam Cas ; 2.30; 30000;occ; 97; 0;38939
 9; 3914.5; 11-AUG-2009 09:48:34; Bright; 51.0; 160; 23Gam Per ; 2.93; 4700;occ; 102; 0;38939
 10; 4027.4; 11-AUG-2009 09:50:27; Bright; 58.0; 35; 33Alp Per ; 1.79; 6250;occ; 116; 0;38939
 11; 4198.3; 11-AUG-2009 09:53:18; Bright; 45.0; 6; 13Alp Aur ; 0.08; 3400;occ; 90; 0;38939
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 13; 4675.3; 11-AUG-2009 10:01:15; Dark ; 43.5; 176; 23Zet Tau ; 3.02; 22000;occ; 87; 0;38939
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 16; 5086.5; 11-AUG-2009 10:08:06; Dark ; 46.0; 30; 46Eps Ori ; 1.69; 30000;occ; 92; 0;38939
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 19; 5851.1; 11-AUG-2009 10:20:51; Dark ; 59.0; 0; ; 0.00; 0;occ; 118; 0;38939
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 22; 7257.3; 11-AUG-2009 10:44:17; Dark ; 54.0; 18; 24Alp PsA ; 1.17; 9700;occ; 108; 0;38939
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6; 3035.4; 11-AUG-2009 11:14:31; Bright; 40.5; 89; 5Alp Cep ; 2.45; 8000;occ; 81; 0;38940
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9; 3913.7; 11-AUG-2009 11:29:09; Bright; 70.5; 160; 23Gam Per ; 2.93; 4700;occ; 141; 0;38940
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11; 4100.5; 11-AUG-2009 11:32:16; Bright; 75.0; 175; 39Del Per ; 3.01; 19400;occ; 150; 0;38940
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13; 4675.3; 11-AUG-2009 11:41:51; Dark ; 44.0; 176; 23Zet Tau ; 3.02; 22000;occ; 88; 0;38940
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16; 5086.9; 11-AUG-2009 11:48:42; Dark ; 44.5; 30; 46Eps Ori ; 1.69; 30000;occ; 89; 0;38940
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5; 2710.6; 11-AUG-2009 12:49:42; Bright; 56.0; 19; 50Alp Cyg ; 1.25; 10500;occ; 112; 0;38941
6; 3035.2; 11-AUG-2009 12:55:06; Bright; 39.5; 89; 5Alp Cep ; 2.45; 8000;occ; 79; 0;38941
7; 3357.8; 11-AUG-2009 13:00:29; Bright; 46.0; 74; 11Bet Cas ; 2.27; 6600;occ; 92; 0;38941
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6; 2710.6; 11-AUG-2009 14:30:18; Bright; 56.0; 19; 50Alp Cyg ; 1.25; 10500;occ; 112; 0;38942
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 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; 3331.4; 13-AUG-2009 20:19:48; Bright; 48.5; 74; 11Bet Cas ; 2.27; 6600;occ; 97; 0;38974
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 11; 4088.5; 13-AUG-2009 20:32:25; Bright; 39.0; 175; 39Del Per ; 3.01; 19400;occ; 78; 0;38974
 12; 4196.0; 13-AUG-2009 20:34:13; Bright; 61.0; 6; 13Alp Aur ; 0.08; 3400;occ; 122; 0;38974
 13; 4364.6; 13-AUG-2009 20:37:02; Bright; 38.5; 107; 37The Aur ; 2.65; 11000;occ; 77; 0;38974
 14; 4546.7; 13-AUG-2009 20:40:04; Dark ; 51.0; 28; 12Bet Tau ; 1.65; 15200;occ; 102; 0;38974
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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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 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
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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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 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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19; 4685.5; 14-AUG-2009 00:03:34; Dark ; 44.5; 176; 23Zet Tau ; 3.02; 22000;occ; 89; 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
5; 3027.4; 13-AUG-2009 08:30:33; Bright; 38.5; 89; 5Alp Cep ; 2.45; 8000;occ; 77; 0;38967
6; 3337.1; 13-AUG-2009 08:35:43; Bright; 48.5; 74; 11Bet Cas ; 2.27; 6600;occ; 97; 0;38967
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
10; 4364.1; 13-AUG-2009 08:52:50; Bright; 39.0; 107; 37The Aur ; 2.65; 11000;occ; 78; 0;38967
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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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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12; 4545.6; 13-AUG-2009 10:36:27; Dark ; 50.0; 28; 12Bet Tau ; 1.65; 15200;occ; 100; 0;38968
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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19; 5877.4; 13-AUG-2009 10:58:39; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;38968
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22; 7271.0; 13-AUG-2009 11:21:52; Dark ; 56.5; 18; 24Alp PsA ; 1.17; 9700;occ; 113; 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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5; 2126.1; 13-AUG-2009 16:38:31; Bright; 47.0; 61; 8Eps Peg ; 2.10; 3900;occ; 94; 0;38972
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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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7; 1930.6; 14-AUG-2009 00:58:15; Bright; 49.0; 162; 34Alp Aqr ; 2.94; 5350;occ; 98; 0;38977
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9; 2509.2; 14-AUG-2009 01:07:54; Bright; 56.0; 92; 53Eps Cyg ; 2.50; 4500;occ; 112; 0;38977
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9; 1801.1; 14-AUG-2009 02:36:42; Bright; 40.5; 154; 22Bet Aqr ; 2.90; 5700;occ; 81; 0;38978
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12; 2509.0; 14-AUG-2009 02:48:29; Bright; 38.0; 92; 53Eps Cyg ; 2.50; 4500;occ; 76; 0;38978
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6; 1244.5; 14-AUG-2009 22:34:36; Dark ; 55.0; 18; 24Alp PsA ; 1.17; 9700;occ; 110; 0;38990
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8; 1800.3; 14-AUG-2009 22:43:52; Bright; 42.5; 154; 22Bet Aqr ; 2.90; 5700;occ; 85; 0;38990
9; 1927.1; 14-AUG-2009 22:45:59; Bright; 49.0; 162; 34Alp Aqr ; 2.94; 5350;occ; 98; 0;38990
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11; 3021.2; 14-AUG-2009 23:04:13; Bright; 38.0; 89; 5Alp Cep ; 2.45; 8000;occ; 76; 0;38990
12; 3318.8; 14-AUG-2009 23:09:11; Bright; 48.0; 74; 11Bet Cas ; 2.27; 6600;occ; 96; 0;38990
13; 3451.7; 14-AUG-2009 23:11:23; Bright; 46.5; 76; 27Gam Cas ; 2.30; 30000;occ; 93; 0;38990
14; 4194.9; 14-AUG-2009 23:23:47; Bright; 52.0; 6; 13Alp Aur ; 0.08; 3400;occ; 104; 0;38990
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4; 786.7; 15-AUG-2009 00:07:34; Dark ; 52.5; 84; Alp Phe ; 2.40; 4500;occ; 105; 0;38991
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6; 1589.9; 15-AUG-2009 00:20:58; Bright; 42.5; 142; 49Del Cap ; 2.85; 8900;occ; 85; 0;38991
7; 1800.4; 15-AUG-2009 00:24:28; Bright; 42.0; 154; 22Bet Aqr ; 2.90; 5700;occ; 84; 0;38991
8; 1926.9; 15-AUG-2009 00:26:34; Bright; 49.5; 162; 34Alp Aqr ; 2.94; 5350;occ; 99; 0;38991
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13; 4194.8; 15-AUG-2009 01:04:22; Bright; 48.0; 6; 13Alp Aur ; 0.08; 3400;occ; 96; 0;38991
14; 4365.9; 15-AUG-2009 01:07:13; Bright; 39.0; 107; 37The Aur ; 2.65; 11000;occ; 78; 0;38991
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16; 4689.9; 15-AUG-2009 01:12:38; Dark ; 47.5; 176; 23Zet Tau ; 3.02; 22000;occ; 95; 0;38991
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8; 3891.4; 14-AUG-2009 08:13:20; Bright; 33.0; 160; 23Gam Per ; 2.93; 4700;occ; 66; 0;38981
9; 4086.0; 14-AUG-2009 08:16:34; Bright; 25.0; 175; 39Del Per ; 3.01; 19400;occ; 50; 0;38981
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5; 3023.0; 14-AUG-2009 09:39:27; Bright; 38.0; 89; 5Alp Cep ; 2.45; 8000;occ; 76; 0;38982
6; 3325.3; 14-AUG-2009 09:44:30; Bright; 49.5; 74; 11Bet Cas ; 2.27; 6600;occ; 99; 0;38982
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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13; 4689.1; 14-AUG-2009 20:10:49; Dark ; 47.0; 176; 23Zet Tau ; 3.02; 22000;occ; 94; 0;38988
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19; 6224.4; 14-AUG-2009 20:36:24; Dark ; 52.0; 157; The1Eri ; 2.91; 9300;occ; 104; 0;38988
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9; 1800.1; 15-AUG-2009 22:12:15; Bright; 42.0; 154; 22Bet Aqr ; 2.90; 5700;occ; 84; 0;39004
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14; 4367.1; 15-AUG-2009 22:55:02; Bright; 41.5; 107; 37The Aur ; 2.65; 11000;occ; 83; 0;39004
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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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13; 4943.2; 17-AUG-2009 22:01:24; Dark ; 53.5; 14; 58Alp Ori ; 0.87; 3000;occ; 107; 0;39032
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21; 5226.0; 17-AUG-2009 23:46:43; Dark ; 48.0; 125; 44Iot Ori ; 2.77; 30000;occ; 96; 0;39033
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 11; 3263.1; 19-AUG-2009 23:51:21; Bright; 47.5; 74; 11Bet Cas ; 2.27; 6600;occ; 95; 0;39062
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13; 837.9; 19-AUG-2009 08:05:33; Dark ; 49.0; 84; Alp Phe ; 2.40; 4500;occ; 98; 0;39053
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 13; 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
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 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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 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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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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 5; 3369.7; 22-AUG-2009 13:55:17; Bright; 46.5; 76; 27Gam Cas ; 2.30; 30000;occ; 93; 0;39099
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13; 5277.2; 22-AUG-2009 16:07:41; Dark ; 47.0; 125; 44Iot Ori ; 2.77; 30000;occ; 94; 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
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11;-367.3; 23-AUG-2009 05:38:59; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;39108
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13; 879.9; 23-AUG-2009 05:59:47; Dark ; 50.0; 84; Alp Phe ; 2.40; 4500;occ; 100; 0;39109
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11; 5196.3; 23-AUG-2009 08:52:19; Dark ; 55.0; 30; 46Eps Ori ; 1.69; 30000;occ; 110; 0;39110
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 3; 2577.6; 23-AUG-2009 09:49:16; Bright; 48.5; 164; 44Eta Peg ; 2.95; 5400;occ; 97; 0;39111
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18; 6378.9; 23-AUG-2009 19:15:37; Dark ; 54.0; 157; The1Eri ; 2.91; 9300;occ; 108; 0;39116
19; 6921.8; 23-AUG-2009 19:24:40; Dark ; 48.0; 84; Alp Phe ; 2.40; 4500;occ; 96; 0;39116
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 9; 4576.3; 23-AUG-2009 20:26:11; Dark ; 58.0; 28; 12Bet Tau ; 1.65; 15200;occ; 116; 0;39117
10; 4751.8; 23-AUG-2009 20:29:06; Dark ; 43.0; 44; 24Gam Gem ; 1.93; 11000;occ; 86; 0;39117
11; 4987.3; 23-AUG-2009 20:33:02; Dark ; 61.5; 14; 58Alp Ori ; 0.87; 3000;occ; 123; 0;39117
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 9; 4652.8; 23-AUG-2009 22:08:03; Dark ; 48.0; 151; 13Mu Gem ; 2.89; 3000;occ; 96; 0;39118
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 8; 1294.1; 23-AUG-2009 22:52:40; Dark ; 49.0; 18; 24Alp PsA ; 1.17; 9700;occ; 98; 0;39119
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 11; 2571.4; 23-AUG-2009 23:13:57; Bright; 65.0; 164; 44Eta Peg ; 2.95; 5400;occ; 130; 0;39119
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 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
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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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 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
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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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 16; 4989.2; 24-AUG-2009 01:34:51; Dark ; 66.0; 14; 58Alp Ori ; 0.87; 3000;occ; 132; 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
 5; -356.3; 24-AUG-2009 01:46:21; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;39120
 6; 347.8; 24-AUG-2009 01:58:06; Dark ; 53.0; 157; The1Eri ; 2.91; 9300;occ; 106; 0;39121
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 2; -689.9; 26-AUG-2009 00:37:34; Dark ; 51.0; 56; 53Kap Ori ; 2.07; 30000;occ; 102; 0;39148
 3; -594.0; 26-AUG-2009 00:39:10; Dark ; 68.0; 7; 19Bet Ori ; 0.10; 14000;occ; 136; 0;39148
 4; -445.5; 26-AUG-2009 00:41:38; Dark ; 49.5; 139; 9Bet Lep ; 2.83; 5600;occ; 99; 0;39148
 5; -329.5; 26-AUG-2009 00:43:34; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;39148
 6; 382.5; 26-AUG-2009 00:55:26; Dark ; 54.0; 157; The1Eri ; 2.91; 9300;occ; 108; 0;39149
 7; 908.0; 26-AUG-2009 01:04:12; Dark ; 59.0; 84; Alp Phe ; 2.40; 4500;occ; 118; 0;39149
 8; 1304.2; 26-AUG-2009 01:10:48; Dark ; 49.0; 18; 24Alp PsA ; 1.17; 9700;occ; 98; 0;39149
 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
 4; -689.1; 26-AUG-2009 02:18:10; Dark ; 52.5; 56; 53Kap Ori ; 2.07; 30000;occ; 105; 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
 8; 383.6; 26-AUG-2009 02:36:03; Dark ; 54.5; 157; The1Eri ; 2.91; 9300;occ; 109; 0;39150
 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
 15; 3332.1; 26-AUG-2009 03:25:12; Bright; 44.5; 76; 27Gam Cas ; 2.30; 30000;occ; 89; 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
 15; 1900.1; 26-AUG-2009 04:41:56; Bright; 41.0; 162; 34Alp Aqr ; 2.94; 5350;occ; 82; 0;39151
 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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3;-1451.3; 26-AUG-2009 05:26:40; Dark ; 60.0; 28; 12Bet Tau ; 1.65; 15200;occ; 120; 0;39151
4;-1273.4; 26-AUG-2009 05:29:38; Dark ; 47.0; 44; 24Gam Gem ; 1.93; 11000;occ; 94; 0;39151
5;-1027.8; 26-AUG-2009 05:33:44; Dark ; 64.0; 14; 58Alp Ori ; 0.87; 3000;occ; 128; 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
9; -590.2; 26-AUG-2009 05:41:01; Dark ; 69.0; 7; 19Bet Ori ; 0.10; 14000;occ; 138; 0;39151
10; -442.6; 26-AUG-2009 05:43:29; Dark ; 49.0; 139; 9Bet Lep ; 2.83; 5600;occ; 98; 0;39151
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
17; 2548.6; 26-AUG-2009 06:33:20; Bright; 46.5; 164; 44Eta Peg ; 2.95; 5400;occ; 93; 0;39152
18; 3198.4; 26-AUG-2009 06:44:10; Bright; 45.5; 74; 11Bet Cas ; 2.27; 6600;occ; 91; 0;39152
19; 3330.5; 26-AUG-2009 06:46:22; Bright; 47.5; 76; 27Gam Cas ; 2.30; 30000;occ; 95; 0;39152
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3; 1899.2; 26-AUG-2009 21:27:54; Bright; 59.0; 162; 34Alp Aqr ; 2.94; 5350;occ; 118; 0;39161
4; 2081.3; 26-AUG-2009 21:30:56; Bright; 38.5; 61; 8Eps Peg ; 2.10; 3900;occ; 77; 0;39161
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
8; 4172.0; 26-AUG-2009 22:05:47; Bright; 58.5; 6; 13Alp Aur ; 0.08; 3400;occ; 117; 0;39161
9; 4376.0; 26-AUG-2009 22:09:11; Bright; 44.5; 107; 37The Aur ; 2.65; 11000;occ; 89; 0;39161
10; 4587.0; 26-AUG-2009 22:12:42; Dark ; 60.5; 28; 12Bet Tau ; 1.65; 15200;occ; 121; 0;39161
11; 4765.7; 26-AUG-2009 22:15:41; Dark ; 46.0; 44; 24Gam Gem ; 1.93; 11000;occ; 92; 0;39161
12; 5014.5; 26-AUG-2009 22:19:49; Dark ; 61.0; 14; 58Alp Ori ; 0.87; 3000;occ; 122; 0;39161
13; 5123.5; 26-AUG-2009 22:21:38; Dark ; 63.5; 27; 24Gam Ori ; 1.64; 26000;occ; 127; 0;39161
14; 5240.6; 26-AUG-2009 22:23:35; Dark ; 35.0; 30; 46Eps Ori ; 1.69; 30000;occ; 70; 0;39161
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3; -578.2; 26-AUG-2009 22:27:13; Dark ; 73.5; 7; 19Bet Ori ; 0.10; 14000;occ; 147; 0;39161
4; -432.5; 26-AUG-2009 22:29:38; Dark ; 54.0; 139; 9Bet Lep ; 2.83; 5600;occ; 108; 0;39161
5; -316.6; 26-AUG-2009 22:31:34; Dark ; 59.0; 0; ; 0.00; 0;occ; 118; 0;39161
6; 398.3; 26-AUG-2009 22:43:29; Dark ; 53.5; 157; The1Eri ; 2.91; 9300;occ; 107; 0;39162
7; 916.8; 26-AUG-2009 22:52:08; Dark ; 50.5; 84; Alp Phe ; 2.40; 4500;occ; 101; 0;39162
8; 1308.4; 26-AUG-2009 22:58:39; Dark ; 51.0; 18; 24Alp PsA ; 1.17; 9700;occ; 102; 0;39162
9; 1898.9; 26-AUG-2009 23:08:30; Bright; 40.0; 162; 34Alp Aqr ; 2.94; 5350;occ; 80; 0;39162
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11; 2542.0; 26-AUG-2009 23:19:13; Bright; 46.5; 164; 44Eta Peg ; 2.95; 5400;occ; 93; 0;39162
12; 3191.4; 26-AUG-2009 23:30:02; Bright; 41.5; 74; 11Bet Cas ; 2.27; 6600;occ; 83; 0;39162
13; 3323.1; 26-AUG-2009 23:32:14; Bright; 47.0; 76; 27Gam Cas ; 2.30; 30000;occ; 94; 0;39162
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16; 4587.2; 26-AUG-2009 23:53:18; Dark ; 61.0; 28; 12Bet Tau ; 1.65; 15200;occ; 122; 0;39162
17; 4766.1; 26-AUG-2009 23:56:17; Dark ; 43.5; 44; 24Gam Gem ; 1.93; 11000;occ; 87; 0;39162
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20; 5241.7; 27-AUG-2009 00:04:12; Dark ; 57.5; 30; 46Eps Ori ; 1.69; 30000;occ; 115; 0;39162
21; 5357.9; 27-AUG-2009 00:06:09; Dark ; 25.5; 56; 53Kap Ori ; 2.07; 30000;occ; 51; 0;39162
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3;-1451.1; 26-AUG-2009 07:07:16; Dark ; 58.5; 28; 12Bet Tau ; 1.65; 15200;occ; 117; 0;39152
4;-1273.1; 26-AUG-2009 07:10:14; Dark ; 46.0; 44; 24Gam Gem ; 1.93; 11000;occ; 92; 0;39152
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7; -803.5; 26-AUG-2009 07:18:04; Dark ; 59.5; 30; 46Eps Ori ; 1.69; 30000;occ; 119; 0;39152
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12; 387.5; 26-AUG-2009 07:37:55; Dark ; 53.0; 157; The1Eri ; 2.91; 9300;occ; 106; 0;39153

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7; 4375.6; 26-AUG-2009 08:44:23; Bright; 45.0; 107; 37The Aur ; 2.65; 11000;occ; 90; 0;39153
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9; 4763.2; 26-AUG-2009 08:50:51; Dark ; 46.5; 44; 24Gam Gem ; 1.93; 11000;occ; 93; 0;39153
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12; 5233.3; 26-AUG-2009 08:58:41; Dark ; 58.5; 30; 46Eps Ori ; 1.69; 30000;occ; 117; 0;39153
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3; 2547.0; 26-AUG-2009 09:54:30; Bright; 45.5; 164; 44Eta Peg ; 2.95; 5400;occ; 91; 0;39154
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2; 2546.3; 26-AUG-2009 11:35:06; Bright; 46.0; 164; 44Eta Peg ; 2.95; 5400;occ; 92; 0;39155
3; 3196.0; 26-AUG-2009 11:45:55; Bright; 43.5; 74; 11Bet Cas ; 2.27; 6600;occ; 87; 0;39155
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5; 4173.3; 26-AUG-2009 12:02:13; Bright; 55.5; 6; 13Alp Aur ; 0.08; 3400;occ; 111; 0;39155
6; 4375.7; 26-AUG-2009 12:05:35; Bright; 45.0; 107; 37The Aur ; 2.65; 11000;occ; 90; 0;39155
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 4; 3195.3; 26-AUG-2009 13:26:30; Bright; 67.0; 74; 11Bet Cas ; 2.27; 6600;occ; 134; 0;39156
 5; 4173.3; 26-AUG-2009 13:42:48; Bright; 56.0; 6; 13Alp Aur ; 0.08; 3400;occ; 112; 0;39156
 6; 4375.9; 26-AUG-2009 13:46:11; Bright; 43.0; 107; 37The Aur ; 2.65; 11000;occ; 86; 0;39156
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 9; 5011.4; 26-AUG-2009 13:56:46; Dark ; 58.5; 14; 58Alp Ori ; 0.87; 3000;occ; 117; 0;39156
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 15; 5714.3; 26-AUG-2009 14:08:29; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;39156
 16; 6428.2; 26-AUG-2009 14:20:23; Dark ; 55.5; 157; The1Eri ; 2.91; 9300;occ; 111; 0;39156
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 15; 5599.3; 26-AUG-2009 15:47:10; Dark ; 55.0; 139; 9Bet Lep ; 2.83; 5600;occ; 110; 0;39157
 16; 5715.4; 26-AUG-2009 15:49:06; Dark ; 59.0; 0; ; 0.00; 0;occ; 118; 0;39157
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 4; 2544.7; 26-AUG-2009 16:36:52; Bright; 47.0; 164; 44Eta Peg ; 2.95; 5400;occ; 94; 0;39158
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11; 5013.4; 26-AUG-2009 18:58:36; Dark ; 69.0; 14; 58Alp Ori ; 0.87; 3000;occ; 138; 0;39159
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13; 4171.8; 27-AUG-2009 01:26:58; Bright; 58.5; 6; 13Alp Aur ; 0.08; 3400;occ; 117; 0;39163
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16; 4766.4; 27-AUG-2009 01:36:53; Dark ; 48.5; 44; 24Gam Gem ; 1.93; 11000;occ; 97; 0;39163
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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
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4; 421.7; 28-AUG-2009 06:35:15; Dark ; 55.0; 157; The1Eri ; 2.91; 9300;occ; 110; 0;39181
5; 929.2; 28-AUG-2009 06:43:43; Dark ; 48.0; 84; Alp Phe ; 2.40; 4500;occ; 96; 0;39181
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3; 2529.7; 28-AUG-2009 08:50:59; Bright; 45.5; 164; 44Eta Peg ; 2.95; 5400;occ; 91; 0;39182
4; 3177.8; 28-AUG-2009 09:01:47; Bright; 45.0; 74; 11Bet Cas ; 2.27; 6600;occ; 90; 0;39182
5; 3308.7; 28-AUG-2009 09:03:58; Bright; 47.5; 76; 27Gam Cas ; 2.30; 30000;occ; 95; 0;39182
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
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13; 5376.1; 28-AUG-2009 09:38:25; Dark ; 54.0; 56; 53Kap Ori ; 2.07; 30000;occ; 108; 0;39182
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15; 5625.0; 28-AUG-2009 09:42:34; Dark ; 53.0; 139; 9Bet Lep ; 2.83; 5600;occ; 106; 0;39182
16; 5741.0; 28-AUG-2009 09:44:30; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;39182
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3; 2529.1; 28-AUG-2009 10:31:34; Bright; 45.0; 164; 44Eta Peg ; 2.95; 5400;occ; 90; 0;39183
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
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13; 5376.9; 28-AUG-2009 11:19:02; Dark ; 52.0; 56; 53Kap Ori ; 2.07; 30000;occ; 104; 0;39183
14; 5486.5; 28-AUG-2009 11:20:52; Dark ; 73.0; 7; 19Bet Ori ; 0.10; 14000;occ; 146; 0;39183
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
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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
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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
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5; 3306.8; 28-AUG-2009 14:05:44; Bright; 45.0; 76; 27Gam Cas ; 2.30; 30000;occ; 90; 0;39185
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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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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
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3; -415.8; 31-AUG-2009 21:32:25; Dark ; 55.0; 101; 11Alp Lep ; 2.58; 7000;occ; 110; 0;39232
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5; 485.0; 31-AUG-2009 21:47:26; Dark ; 56.0; 157; The1Eri ; 2.91; 9300;occ; 112; 0;39233
6; 961.1; 31-AUG-2009 21:55:22; Dark ; 46.0; 84; Alp Phe ; 2.40; 4500;occ; 92; 0;39233
7; 1329.3; 31-AUG-2009 22:01:31; Dark ; 47.0; 18; 24Alp PsA ; 1.17; 9700;occ; 94; 0;39233
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15; 4791.8; 31-AUG-2009 22:59:13; Dark ; 47.5; 44; 24Gam Gem ; 1.93; 11000;occ; 95; 0;39233
16; 5067.4; 31-AUG-2009 23:03:49; Dark ; 74.5; 14; 58Alp Ori ; 0.87; 3000;occ; 149; 0;39233
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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
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14; 4792.4; 01-SEP-2009 00:39:49; Dark ; 48.5; 44; 24Gam Gem ; 1.93; 11000;occ; 97; 0;39234
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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
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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
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 16; 6992.5; 31-AUG-2009 08:30:30; Dark ; 49.5; 84; Alp Phe ; 2.40; 4500;occ; 99; 0;39224
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 3; 2506.1; 31-AUG-2009 08:56:20; Bright; 64.0; 164; 44Eta Peg ; 2.95; 5400;occ; 128; 0;39225
 4; 3149.4; 31-AUG-2009 09:07:03; Bright; 44.5; 74; 11Bet Cas ; 2.27; 6600;occ; 89; 0;39225
 5; 3278.0; 31-AUG-2009 09:09:12; Bright; 46.5; 76; 27Gam Cas ; 2.30; 30000;occ; 93; 0;39225
 6; 4158.2; 31-AUG-2009 09:23:52; Bright; 59.0; 6; 13Alp Aur ; 0.08; 3400;occ; 118; 0;39225
 7; 4378.1; 31-AUG-2009 09:27:32; Bright; 50.0; 107; 37The Aur ; 2.65; 11000;occ; 100; 0;39225
 8; 4683.9; 31-AUG-2009 09:32:38; Dark ; 61.0; 151; 13Mu Gem ; 2.89; 3000;occ; 122; 0;39225
 9; 4788.9; 31-AUG-2009 09:34:23; Dark ; 51.5; 44; 24Gam Gem ; 1.93; 11000;occ; 103; 0;39225
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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
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 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
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 3; 2505.1; 31-AUG-2009 12:17:31; Bright; 41.0; 164; 44Eta Peg ; 2.95; 5400;occ; 82; 0;39227
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 5; 3276.6; 31-AUG-2009 12:30:22; Bright; 45.5; 76; 27Gam Cas ; 2.30; 30000;occ; 91; 0;39227
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 11; 5310.3; 31-AUG-2009 13:04:16; Dark ; 59.0; 30; 46Eps Ori ; 1.69; 30000;occ; 118; 0;39227
 12; 5445.0; 31-AUG-2009 13:06:31; Dark ; 47.0; 47; 2Bet CMA ; 1.98; 28000;occ; 94; 0;39227
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 16; 6994.1; 31-AUG-2009 13:32:20; Dark ; 48.0; 84; Alp Phe ; 2.40; 4500;occ; 96; 0;39227
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 3; 3147.5; 31-AUG-2009 14:08:49; Bright; 44.5; 74; 11Bet Cas ; 2.27; 6600;occ; 89; 0;39228

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7; 4684.9; 31-AUG-2009 14:34:26; Dark ; 56.5; 151; 13Mu Gem ; 2.89; 3000;occ; 113; 0;39228
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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15; 6994.7; 31-AUG-2009 15:12:56; Dark ; 53.0; 84; Alp Phe ; 2.40; 4500;occ; 106; 0;39228
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4; 3146.9; 31-AUG-2009 15:49:24; Bright; 45.5; 74; 11Bet Cas ; 2.27; 6600;occ; 91; 0;39229
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6; 4157.4; 31-AUG-2009 16:06:15; Bright; 58.5; 6; 13Alp Aur ; 0.08; 3400;occ; 117; 0;39229
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12; 5446.5; 31-AUG-2009 16:27:44; Dark ; 48.0; 47; 2Bet CMA ; 1.98; 28000;occ; 96; 0;39229
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2; 2252.5; 31-AUG-2009 17:15:06; Bright; 47.0; 90; 54Alp Peg ; 2.49; 11000;occ; 94; 0;39230
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4; 3146.3; 31-AUG-2009 17:30:00; Bright; 45.0; 74; 11Bet Cas ; 2.27; 6600;occ; 90; 0;39230
5; 3274.4; 31-AUG-2009 17:32:08; Bright; 46.0; 76; 27Gam Cas ; 2.30; 30000;occ; 92; 0;39230
6; 4157.1; 31-AUG-2009 17:46:51; Bright; 54.5; 6; 13Alp Aur ; 0.08; 3400;occ; 109; 0;39230
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