

GOMOS Daily Report 07-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	10AUG2009 04:52:49
Data source version	GOMOS/5.00
Start time of products	07AUG2009 00:02:26
Stop time of products	07AUG2009 23:56:27
Store outputs in DB	Yes
Nb of level 1b prods	107
Nb of prods with errors	2

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

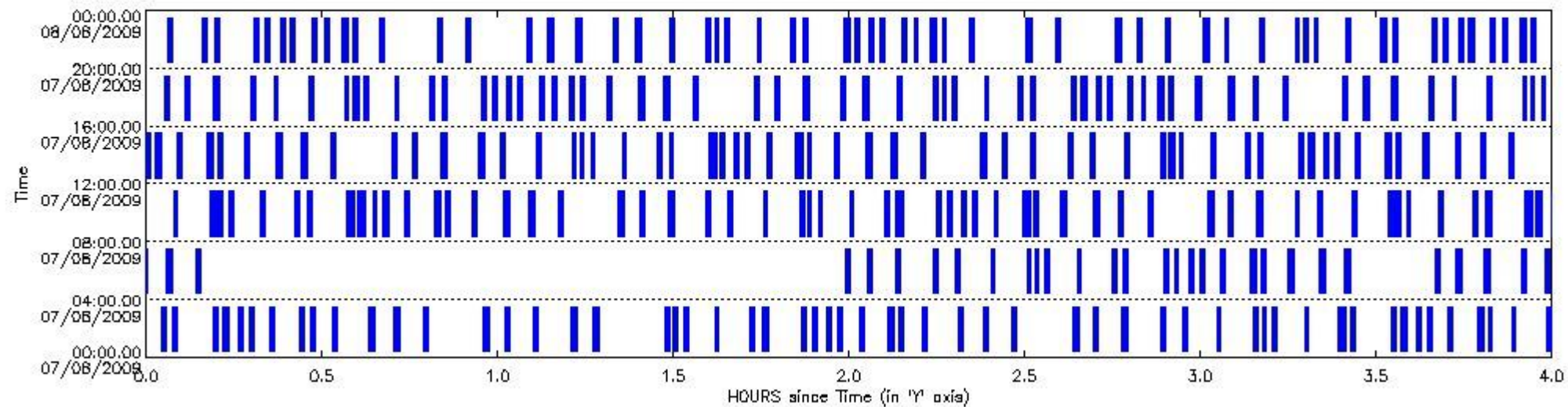
2.1 Level 0 products arrived in PCF (see template [here](#))

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

Red segments are missing products.

Blue segments are available products.

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



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

No missing products.

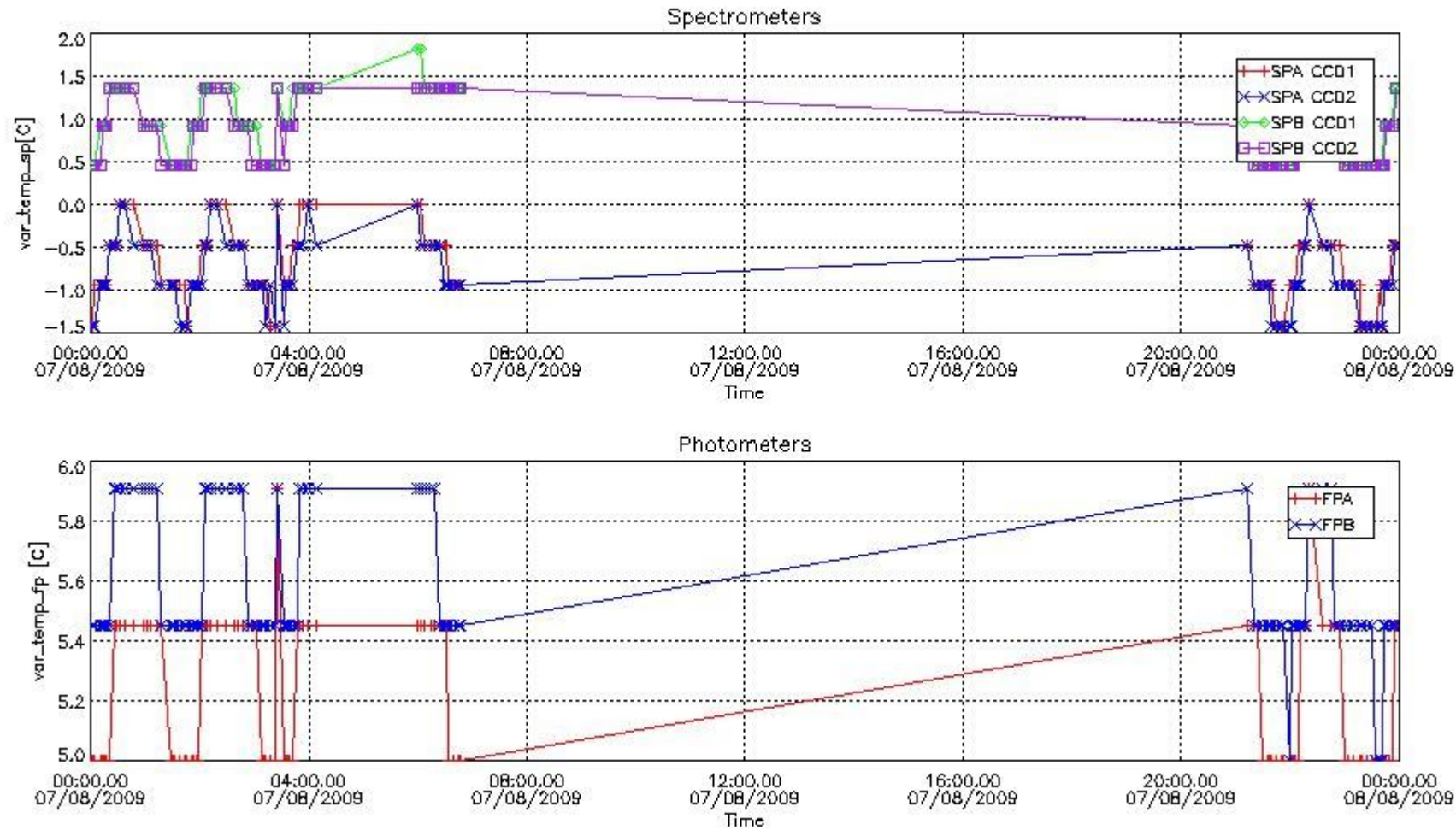
2.4 Summary of processed GOM_TRA_1P products

Nr	Filename	UTC Start time	Limb	Duration	Star Id	Star Name	Star Mag	Star Temp	Nb Meas	Orbit	Prod. error
1	GOM_TRA_1PNPDE20090807_000226_000000492081_00245_38876_0543.N1	07-AUG-2009 00:02:26	Bright	49.000	74	11Bet Cas	2.2680	6600.0	98	38876	No
2	GOM_TRA_1PNPDE20090807_000432_000000512081_00245_38876_0544.N1	07-AUG-2009 00:04:32	Bright	50.500	76	27Gam Cas	2.3000	30000.	101	38876	No
3	GOM_TRA_1PNPDE20090807_001121_000000542081_00245_38876_0545.N1	07-AUG-2009 00:11:21	Bright	54.000	160	23Gam Per	2.9300	4700.0	108	38876	No
4	GOM_TRA_1PNPDE20090807_001308_000000542081_00245_38876_0546.N1	07-AUG-2009 00:13:08	Bright	54.000	35	33Alp Per	1.7950	6250.0	108	38876	No
5	GOM_TRA_1PNPDE20090807_001537_000000482081_00245_38876_0547.N1	07-AUG-2009 00:15:37	Bright	47.500	6	13Alp Aur	0.080000	3400.0	95	38876	No
6	GOM_TRA_1PNPDE20090807_001727_000000502081_00245_38876_0548.N1	07-AUG-2009 00:17:27	Bright	50.000	149	45Eps Per	2.8880	30000.	100	38876	No
7	GOM_TRA_1PNPDE20090807_002105_000000472081_00245_38876_0549.N1	07-AUG-2009 00:21:05	Bright	46.500	28	12Bet Tau	1.6500	15200.	93	38876	No
8	GOM_TRA_1PNPDE20090807_002603_000000612081_00245_38876_0550.N1	07-AUG-2009 00:26:03	Dark	60.500	13	87Alp Tau	0.86700	3800.0	121	38876	No
9	GOM_TRA_1PNPDE20090807_002758_000000442081_00245_38876_0551.N1	07-AUG-2009 00:27:58	Dark	44.000	27	24Gam Ori	1.6360	26000.	88	38876	No
10	GOM_TRA_1PNPDE20090807_003152_000000442081_00245_38876_0552.N1	07-AUG-2009 00:31:52	Dark	44.000	128	67Bet Eri	2.7840	9700.0	88	38876	No
11	GOM_TRA_1PNPDE20090807_003755_000000582081_00245_38876_0684.N1	07-AUG-2009 00:37:55	Dark	58.000	165	34Gam Eri	2.9500	3200.0	116	38876	No
12	GOM_TRA_1PNPDE20090807_004715_000000512081_00246_38877_0685.N1	07-AUG-2009 00:47:15	Dark	51.000	157	The1Eri	2.9060	9300.0	102	38877	No

13	GOM_TRA_1PNPDE20090807_005734_000000542081_00246_38877_0686.N1	07-AUG-2009 00:57:34	Straylight	54.000	84	Alp Phe	2.3970	4500.0	108	38877	No
14	GOM_TRA_1PNPDE20090807_010111_000000572081_00246_38877_0687.N1	07-AUG-2009 01:01:11	Straylight	56.500	63	Bet Gru	2.1500	2800.0	113	38877	No
15	GOM_TRA_1PNPDE20090807_010600_000000602081_00246_38877_0688.N1	07-AUG-2009 01:06:00	Twilight_and_stray	59.500	18	24Alp PsA	1.1660	9700.0	119	38877	No
16	GOM_TRA_1PNPDE20090807_011230_000000682081_00246_38877_0689.N1	07-AUG-2009 01:12:30	Bright	68.000	142	49Del Cap	2.8500	8900.0	136	38877	No
17	GOM_TRA_1PNPDE20090807_011621_000000512081_00246_38877_0690.N1	07-AUG-2009 01:16:21	Bright	51.000	154	22Bet Aqr	2.8990	5700.0	102	38877	No
18	GOM_TRA_1PNPDE20090807_012832_000000432081_00246_38877_0691.N1	07-AUG-2009 01:28:32	Bright	42.500	92	53Eps Cyg	2.5000	4500.0	85	38877	No
19	GOM_TRA_1PNPDE20090807_012954_000000412081_00246_38877_0692.N1	07-AUG-2009 01:29:54	Bright	40.500	66	37Gam Cyg	2.2080	5900.0	81	38877	No
20	GOM_TRA_1PNPDE20090807_013142_000000582081_00246_38877_0693.N1	07-AUG-2009 01:31:42	Bright	58.000	19	50Alp Cyg	1.2460	10500.0	116	38877	No
21	GOM_TRA_1PNPDE20090807_013709_000000362081_00246_38877_0694.N1	07-AUG-2009 01:37:09	Bright	36.000	89	5Alp Cep	2.4510	8000.0	72	38877	No
22	GOM_TRA_1PNPDE20090807_014301_000000502081_00246_38877_0695.N1	07-AUG-2009 01:43:01	Bright	50.000	74	11Bet Cas	2.2680	6600.0	100	38877	No
23	GOM_TRA_1PNPDE20090807_014508_000000672081_00246_38877_0696.N1	07-AUG-2009 01:45:08	Bright	67.000	76	27Gam Cas	2.3000	30000.0	134	38877	No
24	GOM_TRA_1PNPDE20090807_015156_000000492081_00246_38877_0697.N1	07-AUG-2009 01:51:56	Bright	49.000	160	23Gam Per	2.9300	4700.0	98	38877	No
25	GOM_TRA_1PNPDE20090807_015344_000000542081_00246_38877_0698.N1	07-AUG-2009 01:53:44	Bright	54.000	35	33Alp Per	1.7950	6250.0	108	38877	No
26	GOM_TRA_1PNPDE20090807_015612_000000442081_00246_38877_0699.N1	07-AUG-2009 01:56:12	Bright	43.500	6	13Alp Aur	0.080000	3400.0	87	38877	No
27	GOM_TRA_1PNPDE20090807_015802_000000512081_00246_38877_0700.N1	07-AUG-2009 01:58:02	Bright	51.000	149	45Eps Per	2.8880	30000.0	102	38877	No
28	GOM_TRA_1PNPDE20090807_020141_000000462081_00246_38877_0701.N1	07-AUG-2009 02:01:41	Bright	46.000	28	12Bet Tau	1.6500	15200.0	92	38877	No
29	GOM_TRA_1PNPDE20090807_020639_000000652081_00246_38877_0702.N1	07-AUG-2009 02:06:39	Dark	64.500	13	87Alp Tau	0.86700	3800.0	129	38877	No
30	GOM_TRA_1PNPDE20090807_020834_000000452081_00246_38877_0703.N1	07-AUG-2009 02:08:34	Dark	44.500	27	24Gam Ori	1.6360	26000.0	89	38877	No
31	GOM_TRA_1PNPDE20090807_021228_000000452081_00246_38877_0823.N1	07-AUG-2009 02:12:28	Dark	45.000	128	67Bet Eri	2.7840	9700.0	90	38877	No
32	GOM_TRA_1PNPDE20090807_021832_000000602081_00246_38877_0824.N1	07-AUG-2009 02:18:32	Dark	59.500	165	34Gam Eri	2.9500	3200.0	119	38877	No
33	GOM_TRA_1PNPDE20090807_022752_000000492081_00247_38878_0825.N1	07-AUG-2009 02:27:52	Dark	49.000	157	The1Eri	2.9060	9300.0	98	38878	No
34	GOM_TRA_1PNPDE20090807_023810_000000602081_00247_38878_0826.N1	07-AUG-2009 02:38:10	Straylight	59.500	84	Alp Phe	2.3970	4500.0	119	38878	No
35	GOM_TRA_1PNPDE20090807_024148_000000482081_00247_38878_0827.N1	07-AUG-2009 02:41:48	Straylight	48.000	63	Bet Gru	2.1500	2800.0	96	38878	No
36	GOM_TRA_1PNPDE20090807_024636_000000582081_00247_38878_0828.N1	07-AUG-2009 02:46:36	Twilight_and_stray	57.500	18	24Alp PsA	1.1660	9700.0	115	38878	No
37	GOM_TRA_1PNPDE20090807_025306_000000482081_00247_38878_0829.N1	07-AUG-2009 02:53:06	Bright	48.000	142	49Del Cap	2.8500	8900.0	96	38878	No
38	GOM_TRA_1PNPDE20090807_025657_000000482081_00247_38878_0830.N1	07-AUG-2009 02:56:57	Bright	47.500	154	22Bet Aqr	2.8990	5700.0	95	38878	No
39	GOM_TRA_1PNPDE20090807_030258_000000282081_00247_38878_0831.N1	07-AUG-2009 03:02:58	Twilight_and_stray	28.000	61	8Eps Peg	2.1000	3900.0	56	38878	No
40	GOM_TRA_1PNPDE20090807_030908_000000412081_00247_38878_0832.N1	07-AUG-2009 03:09:08	Bright	40.500	92	53Eps Cyg	2.5000	4500.0	81	38878	No
41	GOM_TRA_1PNPDE20090807_031030_000000372081_00247_38878_0833.N1	07-AUG-2009 03:10:30	Bright	36.500	66	37Gam Cyg	2.2080	5900.0	73	38878	No
42	GOM_TRA_1PNPDE20090807_031218_000000412081_00247_38878_0834.N1	07-AUG-2009 03:12:18	Bright	40.500	19	50Alp Cyg	1.2460	10500.0	81	38878	No
43	GOM_TRA_1PNPDE20090807_031744_000000362081_00247_38878_0835.N1	07-AUG-2009 03:17:44	Bright	35.500	89	5Alp Cep	2.4510	8000.0	71	38878	No
44	GOM_TRA_1PNPDE20090807_032336_000000732081_00247_38878_0836.N1	07-AUG-2009 03:23:36	Bright	73.000	74	11Bet Cas	2.2680	6600.0	146	38878	No
45	GOM_TRA_1PNPDE20090807_032543_000000512081_00247_38878_0964.N1	07-AUG-2009 03:25:43	Bright	51.000	76	27Gam Cas	2.3000	30000.0	102	38878	Yes
46	GOM_TRA_1PNPDE20090807_033232_000000492081_00247_38878_0965.N1	07-AUG-2009 03:32:32	Bright	48.500	160	23Gam Per	2.9300	4700.0	97	38878	No
47	GOM_TRA_1PNPDE20090807_033419_000000552081_00247_38878_0966.N1	07-AUG-2009 03:34:19	Bright	55.000	35	33Alp Per	1.7950	6250.0	110	38878	No
48	GOM_TRA_1PNPDE20090807_033648_000000472081_00247_38878_0967.N1	07-AUG-2009 03:36:48	Bright	46.500	6	13Alp Aur	0.080000	3400.0	93	38878	No
49	GOM_TRA_1PNPDE20090807_033838_000000542081_00247_38878_0968.N1	07-AUG-2009 03:38:38	Bright	54.000	149	45Eps Per	2.8880	30000.0	108	38878	No
50	GOM_TRA_1PNPDE20090807_034217_000000492081_00247_38878_0969.N1	07-AUG-2009 03:42:17	Bright	48.500	28	12Bet Tau	1.6500	15200.0	97	38878	No
51	GOM_TRA_1PNPDE20090807_034715_000000702081_00247_38878_0970.N1	07-AUG-2009 03:47:15	Dark	70.000	13	87Alp Tau	0.86700	3800.0	140	38878	No
52	GOM_TRA_1PNPDE20090807_034911_000000412081_00247_38878_0971.N1	07-AUG-2009 03:49:11	Dark	41.000	27	24Gam Ori	1.6360	26000.0	82	38878	No
53	GOM_TRA_1PNPDE20090807_035305_000000472081_00247_38878_0972.N1	07-AUG-2009 03:53:05	Dark	46.500	128	67Bet Eri	2.7840	9700.0	93	38878	No
54	GOM_TRA_1PNPDE20090807_035909_000000632081_00247_38878_0973.N1	07-AUG-2009 03:59:09	Dark	63.000	165	34Gam Eri	2.9500	3200.0	126	38878	No
55	GOM_TRA_1PNPDE20090807_040829_000000502081_00248_38879_0974.N1	07-AUG-2009 04:08:29	Dark	49.500	157	The1Eri	2.9060	9300.0	99	38879	No
56	GOM_TRA_1PNPDE20090807_055924_000000542081_00249_38880_1152.N1	07-AUG-2009 05:59:24	Straylight	53.500	84	Alp Phe	2.3970	4500.0	107	38880	No
57	GOM_TRA_1PNPDE20090807_060301_000000472081_00249_38880_1153.N1	07-AUG-2009 06:03:01	Straylight	47.000	63	Bet Gru	2.1500	2800.0	94	38880	No
58	GOM_TRA_1PNPDE20090807_060749_000000612081_00249_38880_1154.N1	07-AUG-2009 06:07:49	Twilight_and_stray	61.000	18	24Alp PsA	1.1660	9700.0	122	38880	No
59	GOM_TRA_1PNPDE20090807_061419_000000462081_00249_38880_1155.N1	07-AUG-2009 06:14:19	Bright	46.000	142	49Del Cap	2.8500	8900.0	92	38880	No
60	GOM_TRA_1PNPDE20090807_061809_000000482081_00249_38880_1156.N1	07-AUG-2009 06:18:09	Bright	47.500	154	22Bet Aqr	2.8990	5700.0	95	38880	No
61	GOM_TRA_1PNPDE20090807_062409_000000352081_00249_38880_1157.N1	07-AUG-2009 06:24:09	Twilight_and_stray	35.000	61	8Eps Peg	2.1000	3900.0	70	38880	No
62	GOM_TRA_1PNPDE20090807_063019_000000422081_00249_38880_1158.N1	07-AUG-2009 06:30:19	Bright	42.000	92	53Eps Cyg	2.5000	4500.0	84	38880	No
63	GOM_TRA_1PNPDE20090807_063141_000000392081_00249_38880_1159.N1	07-AUG-2009 06:31:41	Bright	39.000	66	37Gam Cyg	2.2080	5900.0	78	38880	No
64	GOM_TRA_1PNPDE20090807_063329_000000422081_00249_38880_1160.N1	07-AUG-2009 06:33:29	Bright	41.500	19	50Alp Cyg	1.2460	10500.0	83	38880	No
65	GOM_TRA_1PNPDE20090807_063856_000000392081_00249_38880_1161.N1	07-AUG-2009 06:38:56	Bright	39.000	89	5Alp Cep	2.4510	8000.0	78	38880	No
66	GOM_TRA_1PNPDE20090807_064447_000000492081_00249_38880_1162.N1	07-AUG-2009 06:44:47	Bright	49.000	74	11Bet Cas	2.2680	6600.0	98	38880	No
67	GOM_TRA_1PNPDE20090807_064653_000000502081_00249_38880_1163.N1	07-AUG-2009 06:46:53	Bright	50.000	76	27Gam Cas	2.3000	30000.0	100	38880	No
68	GOM_TRA_1PNPDE20090807_211318_000000612081_00258_38889_1671.N1	07-AUG-2009 21:13:18	Twilight_and_stray	60.500	18	24Alp PsA	1.1660	9700.0	121	38889	No
69	GOM_TRA_1PNPDE20090807_211943_000000462081_00258_38889_1672.N1	07-AUG-2009 21:19:43	Bright	45.500	142	49Del Cap	2.8500	8900.0	91	38889	No
70	GOM_TRA_1PNPDE20090807_212331_000000672081_00258_38889_1673.N1	07-AUG-2009 21:23:31	Bright	67.000	154	22Bet Aqr	2.8990	5700.0	134	38889	No
71	GOM_TRA_1PNPDE20090807_212928_000000502081_00258_38889_1674.N1	07-AUG-2009 21:29:28	Bright	49.500	61	8Eps Peg	2.1000	3900.0	99	38889	No

72	GOM_TRA_1PNPDE20090807_213539_000000392081_00258_38889_1675.N1	07-AUG-2009 21:35:39	Bright	39.000	92	53Eps Cyg	2.5000	4500.0	78	38889	No
73	GOM_TRA_1PNPDE20090807_213703_000000402081_00258_38889_1676.N1	07-AUG-2009 21:37:03	Bright	40.000	66	37Gam Cyg	2.2080	5900.0	80	38889	No
74	GOM_TRA_1PNPDE20090807_213850_000000402081_00258_38889_1677.N1	07-AUG-2009 21:38:50	Bright	40.000	19	50Alp Cyg	1.2460	10500.	80	38889	No
75	GOM_TRA_1PNPDE20090807_214416_000000402081_00258_38889_1678.N1	07-AUG-2009 21:44:16	Bright	39.500	89	5Alp Cep	2.4510	8000.0	79	38889	No
76	GOM_TRA_1PNPDE20090807_215003_000000512081_00258_38889_1679.N1	07-AUG-2009 21:50:03	Bright	51.000	74	11Bet Cas	2.2680	6600.0	102	38889	No
77	GOM_TRA_1PNPDE20090807_215210_000000502081_00258_38889_1680.N1	07-AUG-2009 21:52:10	Bright	49.500	76	27Gam Cas	2.3000	30000.	99	38889	No
78	GOM_TRA_1PNPDE20090807_215902_000000712081_00258_38889_1681.N1	07-AUG-2009 21:59:02	Bright	70.500	160	23Gam Per	2.9300	4700.0	141	38889	No
79	GOM_TRA_1PNPDE20090807_220050_000000502081_00258_38889_1682.N1	07-AUG-2009 22:00:50	Bright	50.000	35	33Alp Per	1.7950	6250.0	100	38889	No
80	GOM_TRA_1PNPDE20090807_220323_000000492081_00258_38889_1683.N1	07-AUG-2009 22:03:23	Bright	49.000	6	13Alp Aur	0.080000	3400.0	98	38889	No
81	GOM_TRA_1PNPDE20090807_220513_000000522081_00258_38889_1684.N1	07-AUG-2009 22:05:13	Bright	52.000	149	45Eps Per	2.8880	30000.	104	38889	No
82	GOM_TRA_1PNPDE20090807_220855_000000482081_00258_38889_1685.N1	07-AUG-2009 22:08:55	Twilight	47.500	28	12Bet Tau	1.6500	15200.	95	38889	No
83	GOM_TRA_1PNPDE20090807_221105_000000422081_00258_38889_1686.N1	07-AUG-2009 22:11:05	Twilight	42.000	176	23Zet Tau	3.0200	22000.	84	38889	No
84	GOM_TRA_1PNPDE20090807_221356_000000622081_00258_38889_1687.N1	07-AUG-2009 22:13:56	Dark	61.500	13	87Alp Tau	0.86700	3800.0	123	38889	No
85	GOM_TRA_1PNPDE20090807_221551_000000462081_00258_38889_1688.N1	07-AUG-2009 22:15:51	Dark	45.500	27	24Gam Ori	1.6360	26000.	91	38889	No
86	GOM_TRA_1PNPDE20090807_222026_000000492081_00258_38889_1812.N1	07-AUG-2009 22:20:26	Dark	48.500	7	19Bet Ori	0.10000	14000.	97	38889	Yes
87	GOM_TRA_1PNPDE20090807_223516_000000492081_00259_38890_1813.N1	07-AUG-2009 22:35:16	Dark	48.500	157	The1Eri	2.9060	9300.0	97	38890	No
88	GOM_TRA_1PNPDE20090807_224533_000000572081_00259_38890_1814.N1	07-AUG-2009 22:45:33	Straylight	56.500	84	Alp Phe	2.3970	4500.0	113	38890	No
89	GOM_TRA_1PNPDE20090807_224906_000000512081_00259_38890_1815.N1	07-AUG-2009 22:49:06	Straylight	51.000	63	Bet Gru	2.1500	2800.0	102	38890	No
90	GOM_TRA_1PNPDE20090807_225354_000000602081_00259_38890_1816.N1	07-AUG-2009 22:53:54	Twilight	60.000	18	24Alp PsA	1.1660	9700.0	120	38890	No
91	GOM_TRA_1PNPDE20090807_230019_000000672081_00259_38890_1817.N1	07-AUG-2009 23:00:19	Bright	67.000	142	49Del Cap	2.8500	8900.0	134	38890	No
92	GOM_TRA_1PNPDE20090807_230407_000000442081_00259_38890_1818.N1	07-AUG-2009 23:04:07	Bright	44.000	154	22Bet Aqr	2.8990	5700.0	88	38890	No
93	GOM_TRA_1PNPDE20090807_231003_000000532081_00259_38890_1819.N1	07-AUG-2009 23:10:03	Bright	52.500	61	8Eps Peg	2.1000	3900.0	105	38890	No
94	GOM_TRA_1PNPDE20090807_231614_000000392081_00259_38890_1820.N1	07-AUG-2009 23:16:14	Bright	39.000	92	53Eps Cyg	2.5000	4500.0	78	38890	No
95	GOM_TRA_1PNPDE20090807_231738_000000412081_00259_38890_1821.N1	07-AUG-2009 23:17:38	Bright	41.000	66	37Gam Cyg	2.2080	5900.0	82	38890	No
96	GOM_TRA_1PNPDE20090807_231925_000000372081_00259_38890_1822.N1	07-AUG-2009 23:19:25	Bright	37.000	19	50Alp Cyg	1.2460	10500.	74	38890	No
97	GOM_TRA_1PNPDE20090807_232451_000000402081_00259_38890_1823.N1	07-AUG-2009 23:24:51	Bright	40.000	89	5Alp Cep	2.4510	8000.0	80	38890	No
98	GOM_TRA_1PNPDE20090807_233038_000000672081_00259_38890_1824.N1	07-AUG-2009 23:30:38	Bright	67.000	74	11Bet Cas	2.2680	6600.0	134	38890	No
99	GOM_TRA_1PNPDE20090807_233245_000000482081_00259_38890_1825.N1	07-AUG-2009 23:32:45	Bright	48.000	76	27Gam Cas	2.3000	30000.	96	38890	No
100	GOM_TRA_1PNPDE20090807_233937_000000492081_00259_38890_1826.N1	07-AUG-2009 23:39:37	Bright	49.000	160	23Gam Per	2.9300	4700.0	98	38890	No
101	GOM_TRA_1PNPDE20090807_234126_000000532081_00259_38890_1827.N1	07-AUG-2009 23:41:26	Bright	53.000	35	33Alp Per	1.7950	6250.0	106	38890	No
102	GOM_TRA_1PNPDE20090807_234359_000000582081_00259_38890_1828.N1	07-AUG-2009 23:43:59	Bright	58.000	6	13Alp Aur	0.080000	3400.0	116	38890	No
103	GOM_TRA_1PNPDE20090807_234548_000000542081_00259_38890_1829.N1	07-AUG-2009 23:45:48	Bright	53.500	149	45Eps Per	2.8880	30000.	107	38890	No
104	GOM_TRA_1PNPDE20090807_234930_000000492081_00259_38890_1830.N1	07-AUG-2009 23:49:30	Twilight	48.500	28	12Bet Tau	1.6500	15200.	97	38890	No
105	GOM_TRA_1PNPDE20090807_235142_000000452081_00259_38890_1831.N1	07-AUG-2009 23:51:42	Twilight	44.500	176	23Zet Tau	3.0200	22000.	89	38890	No
106	GOM_TRA_1PNPDE20090807_235433_000000632081_00259_38890_1832.N1	07-AUG-2009 23:54:33	Dark	63.000	13	87Alp Tau	0.86700	3800.0	126	38890	No
107	GOM_TRA_1PNPDE20090807_235627_000000462081_00259_38890_1833.N1	07-AUG-2009 23:56:27	Dark	46.000	27	24Gam Ori	1.6360	26000.	92	38890	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).

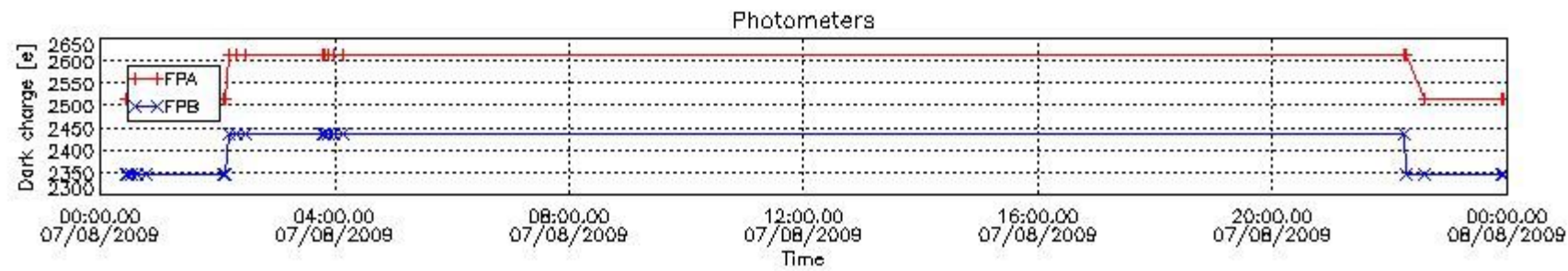
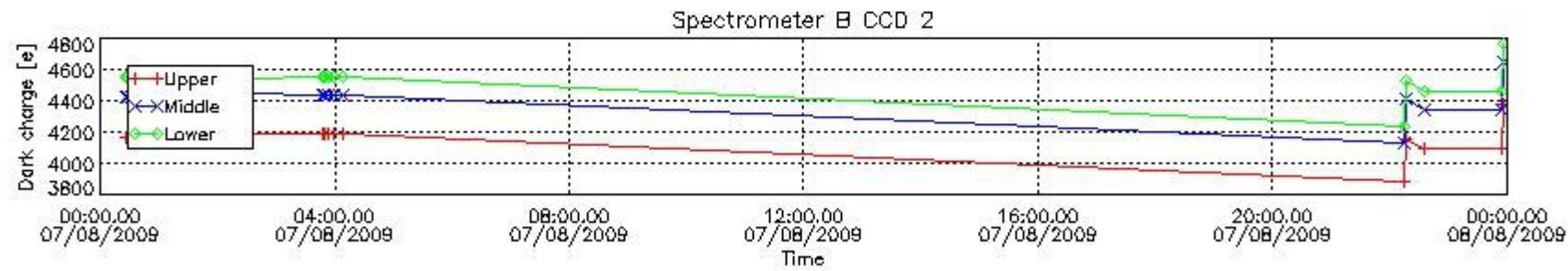
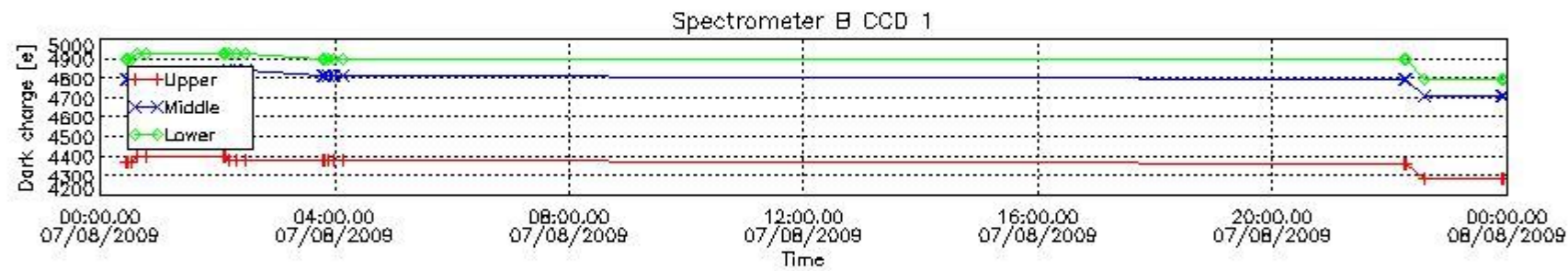
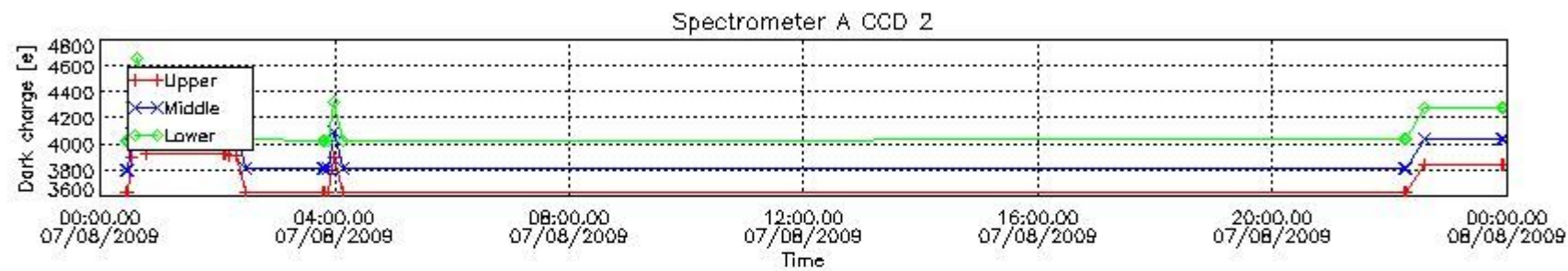
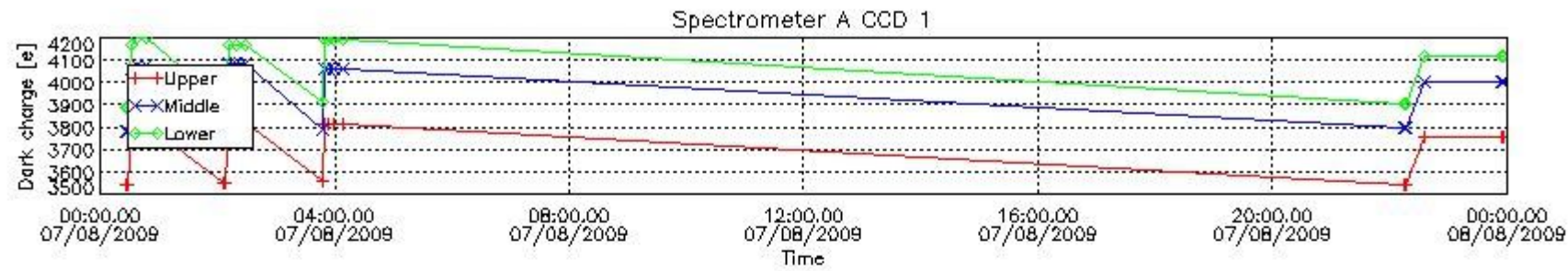
In this section a list of products that did not use the Dark Sky Area (DSA) observation for the DC computation is given. It is also provided the mean DC plot per product for dark limb products with no error flag set.

4.1 These products did not use the DSA observation for DC computation:

Product name	DC information
GOM_TRA_1PNPDE20090807_055924_000000542081_00249_38880_1152.N1	DC map used
GOM_TRA_1PNPDE20090807_060301_000000472081_00249_38880_1153.N1	DC map used
GOM_TRA_1PNPDE20090807_060749_000000612081_00249_38880_1154.N1	DC map used
GOM_TRA_1PNPDE20090807_061419_000000462081_00249_38880_1155.N1	DC map used
GOM_TRA_1PNPDE20090807_061809_000000482081_00249_38880_1156.N1	DC map used
GOM_TRA_1PNPDE20090807_062409_000000352081_00249_38880_1157.N1	DC map used
GOM_TRA_1PNPDE20090807_063019_000000422081_00249_38880_1158.N1	DC map used
GOM_TRA_1PNPDE20090807_063141_000000392081_00249_38880_1159.N1	DC map used
GOM_TRA_1PNPDE20090807_063329_000000422081_00249_38880_1160.N1	DC map used
GOM_TRA_1PNPDE20090807_063856_000000392081_00249_38880_1161.N1	DC map used
GOM_TRA_1PNPDE20090807_064447_000000492081_00249_38880_1162.N1	DC map used
GOM_TRA_1PNPDE20090807_064653_000000502081_00249_38880_1163.N1	DC map used
GOM_TRA_1PNPDE20090807_211318_000000612081_00258_38889_1671.N1	DC map used
GOM_TRA_1PNPDE20090807_211943_000000462081_00258_38889_1672.N1	DC map used

GOM_TRA_1PNPDE20090807_212331_000000672081_00258_38889_1673.N1	DC map used
GOM_TRA_1PNPDE20090807_212928_000000502081_00258_38889_1674.N1	DC map used
GOM_TRA_1PNPDE20090807_213539_000000392081_00258_38889_1675.N1	DC map used
GOM_TRA_1PNPDE20090807_213703_000000402081_00258_38889_1676.N1	DC map used
GOM_TRA_1PNPDE20090807_213850_000000402081_00258_38889_1677.N1	DC map used
GOM_TRA_1PNPDE20090807_214416_000000402081_00258_38889_1678.N1	DC map used
GOM_TRA_1PNPDE20090807_215003_000000512081_00258_38889_1679.N1	DC map used
GOM_TRA_1PNPDE20090807_215210_000000502081_00258_38889_1680.N1	DC map used
GOM_TRA_1PNPDE20090807_215902_000000712081_00258_38889_1681.N1	DC map used
GOM_TRA_1PNPDE20090807_220050_000000502081_00258_38889_1682.N1	DC map used
GOM_TRA_1PNPDE20090807_220323_000000492081_00258_38889_1683.N1	DC map used
GOM_TRA_1PNPDE20090807_220513_000000522081_00258_38889_1684.N1	DC map used
GOM_TRA_1PNPDE20090807_220855_000000482081_00258_38889_1685.N1	DC map used
GOM_TRA_1PNPDE20090807_221105_000000422081_00258_38889_1686.N1	DC map used
GOM_TRA_1PNPDE20090807_221356_000000622081_00258_38889_1687.N1	DC map used
GOM_TRA_1PNPDE20090807_221551_000000462081_00258_38889_1688.N1	DC map used

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



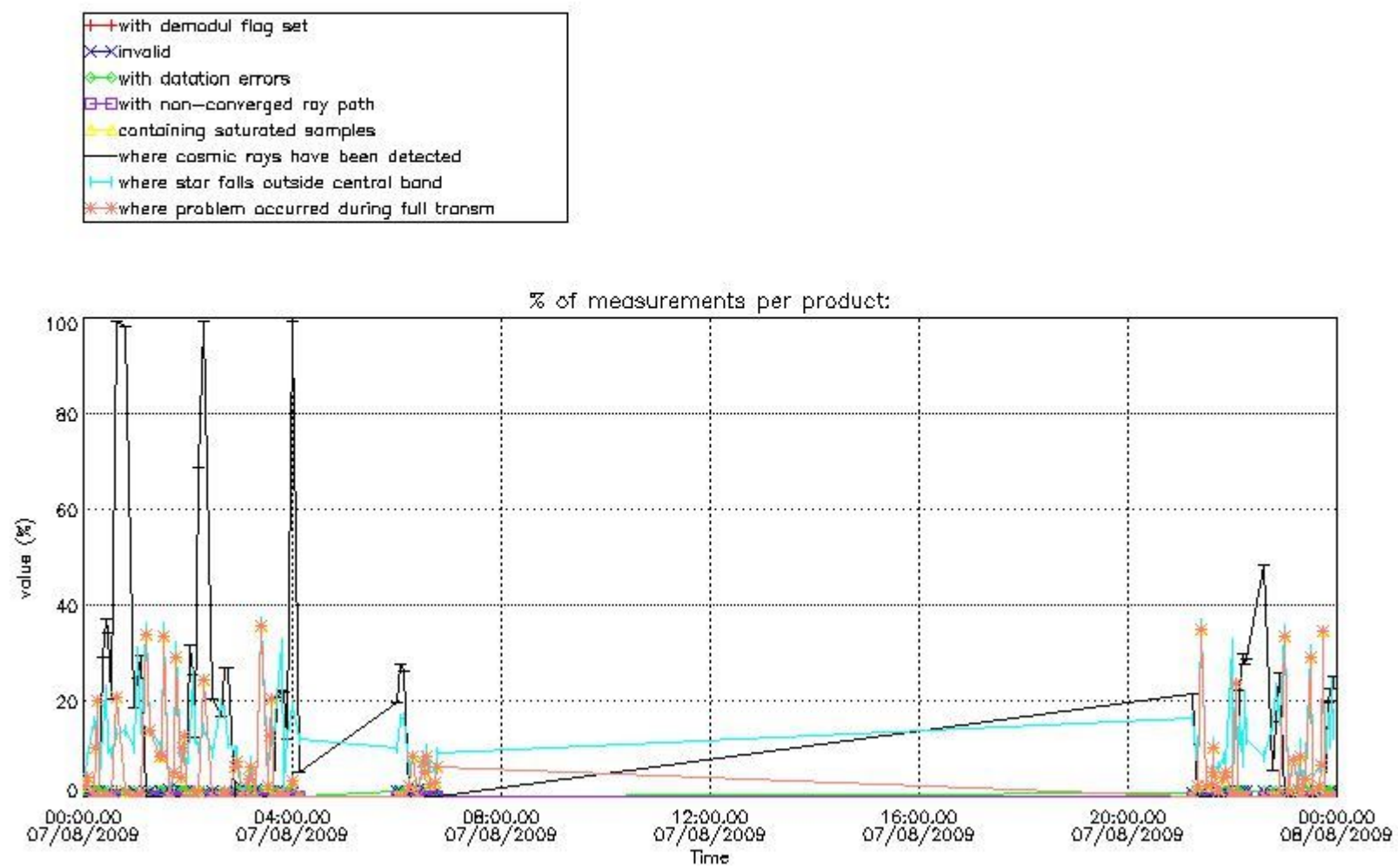
5. Demodulation flag and quality information monitoring

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.

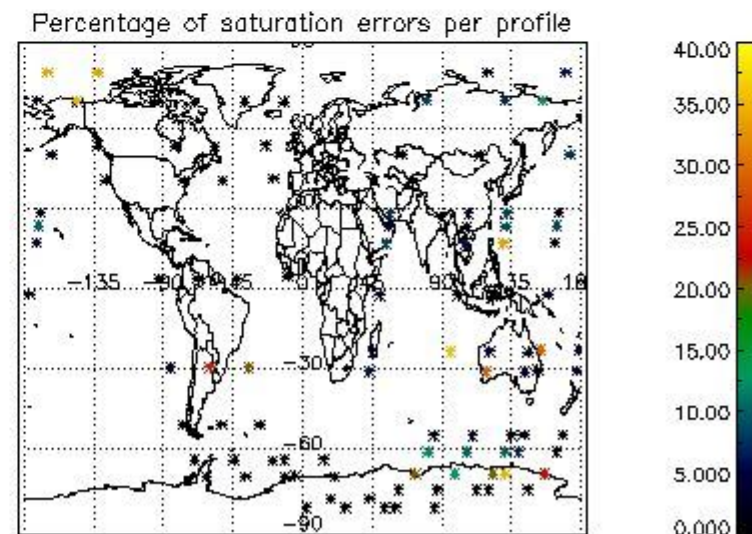
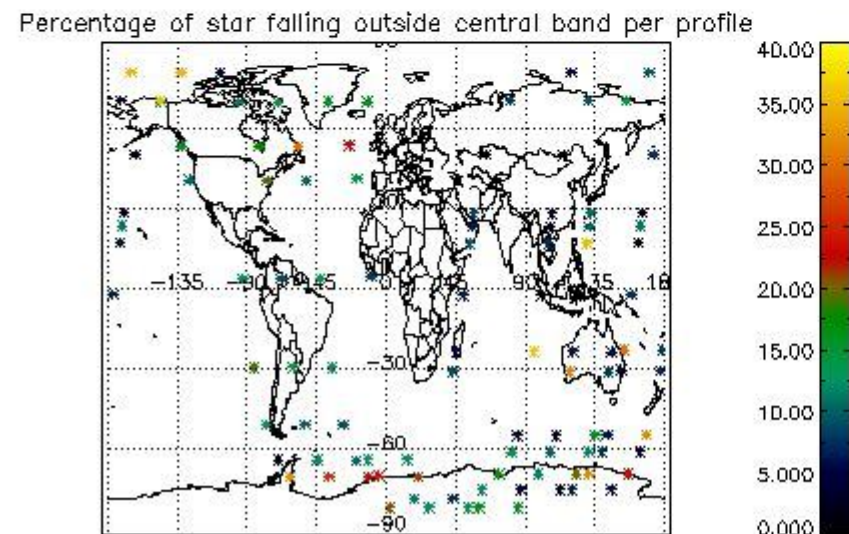
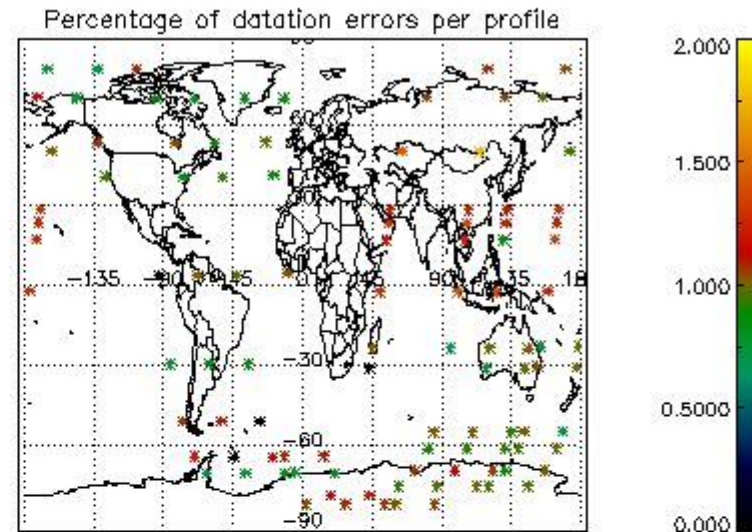
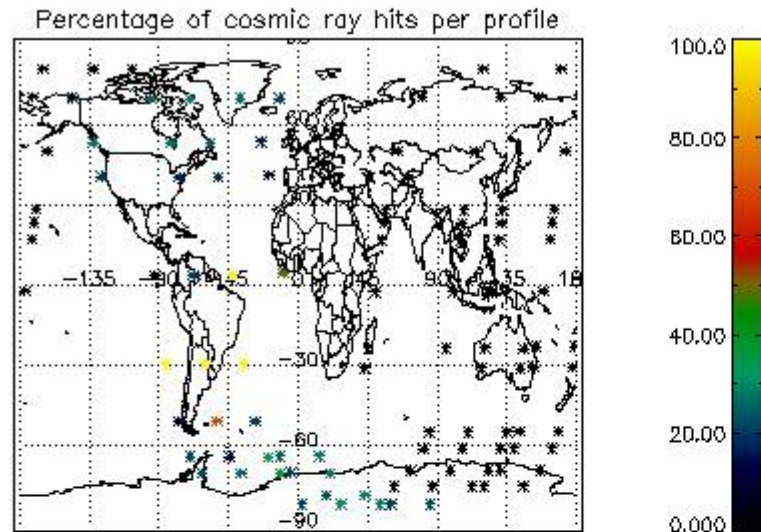
5.1 Percentage of products during reporting period with:

At least one measurement with demodulation flag set:	22.8571 %
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)



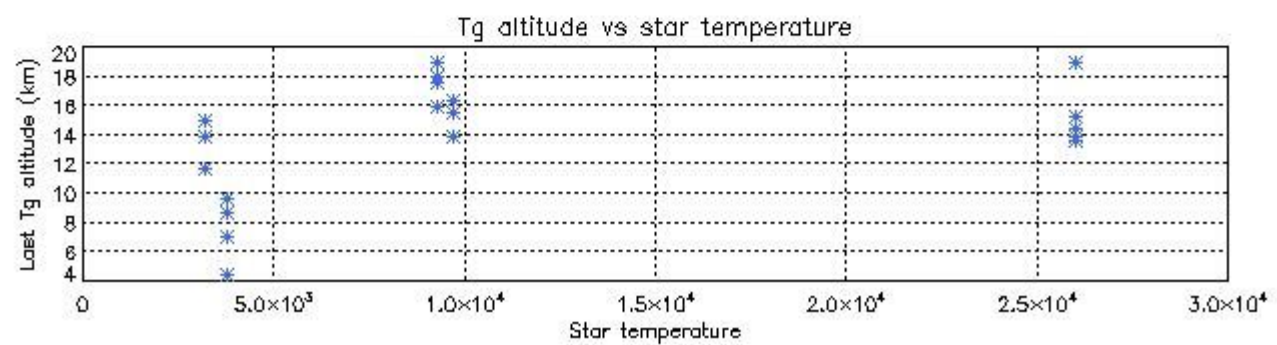
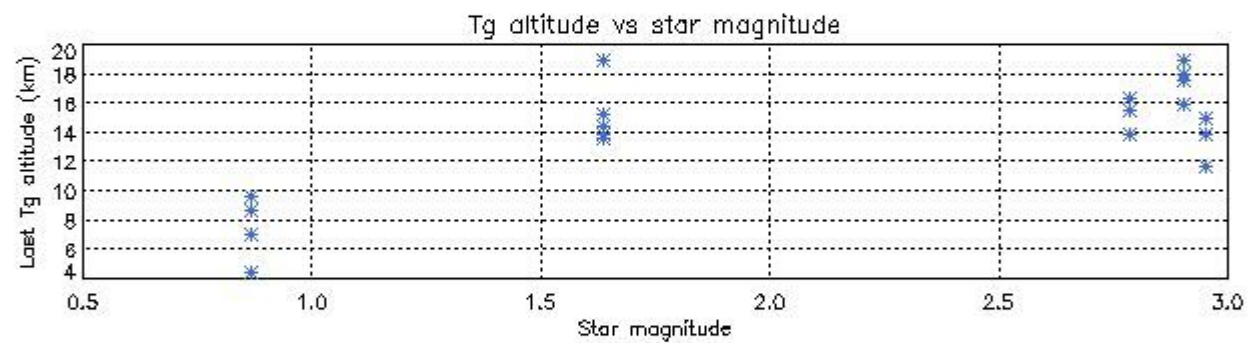
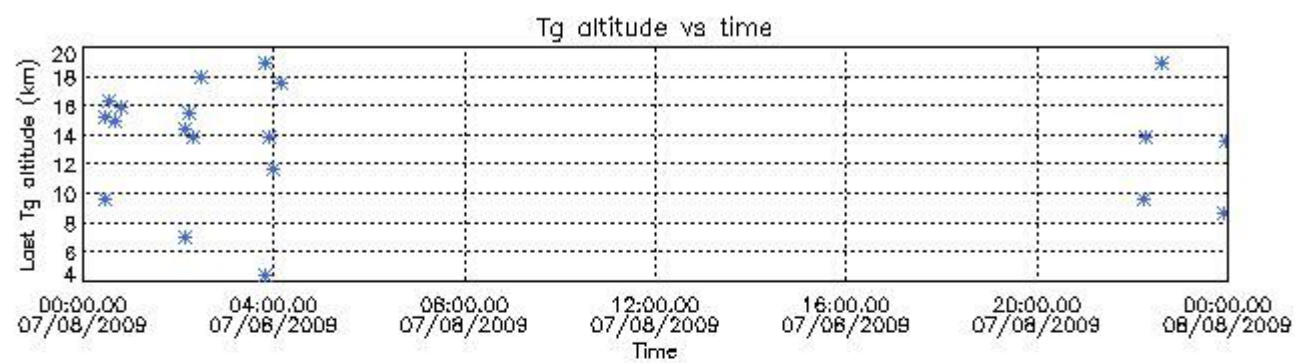
6. Statistics and plot of tangent altitude of the last measurement (DARK & BRIGHT products without errors)

6.1 Statistics on tangent altitude lost:

Statistics	DARK	BRIGHT	TWILIGHT
Mean:	13.583	17.355	NaN
St. deviation:	3.9829	6.3664	NaN
Maximum:	18.944	29.854	NaN
Minimum:	4.3639	3.1063	NaN
Number of data:	20.000	66.000	NaN

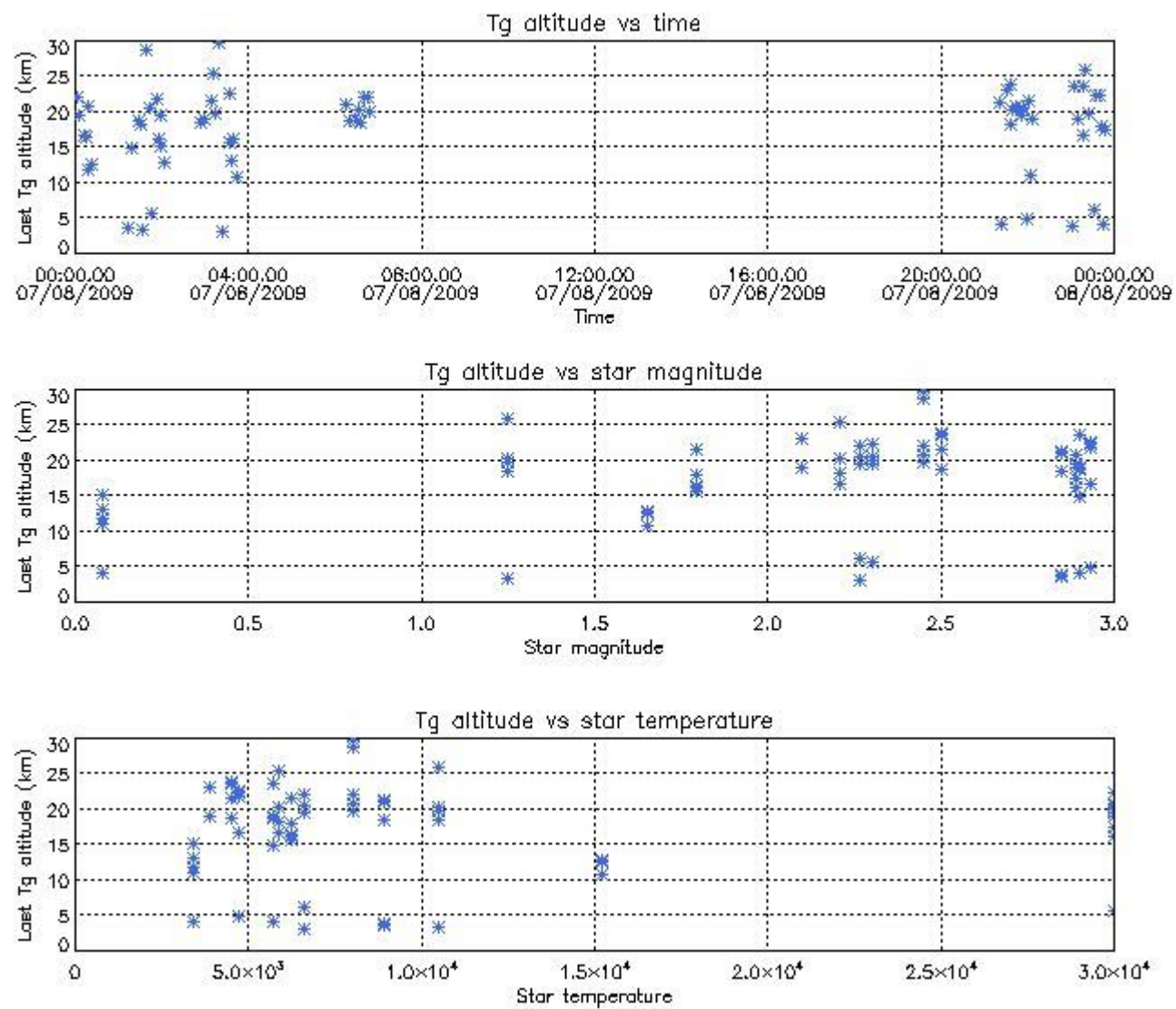
6.2 Plot for DARK limb products

Tangent altitude at which the star is lost



6.3 Plot for BRIGHT limb products

Tangent altitude at which the star is lost

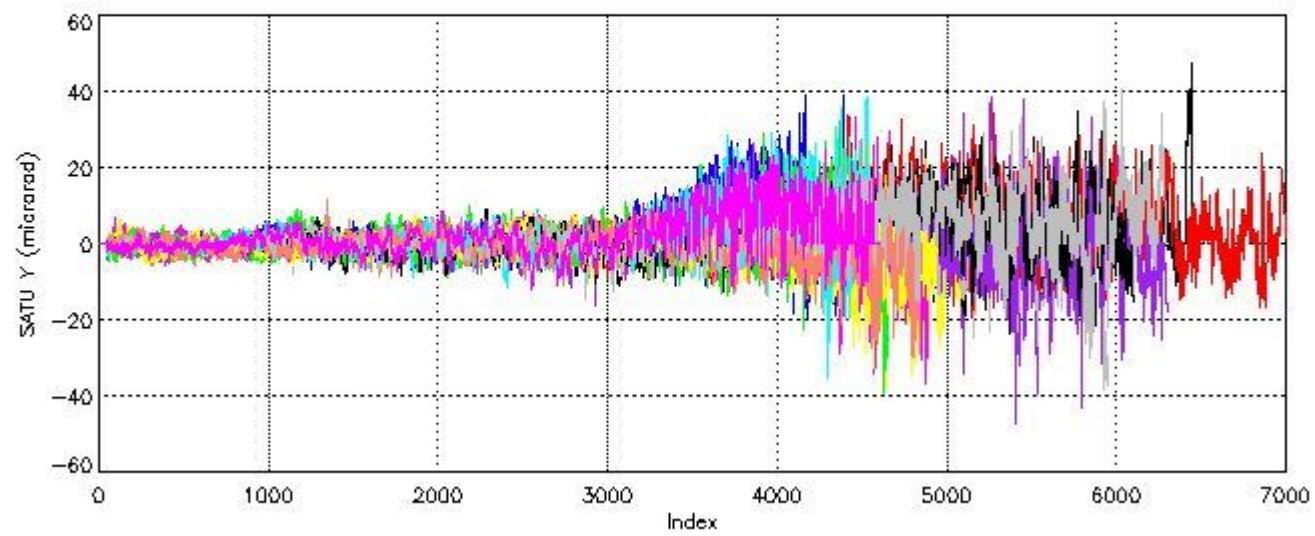
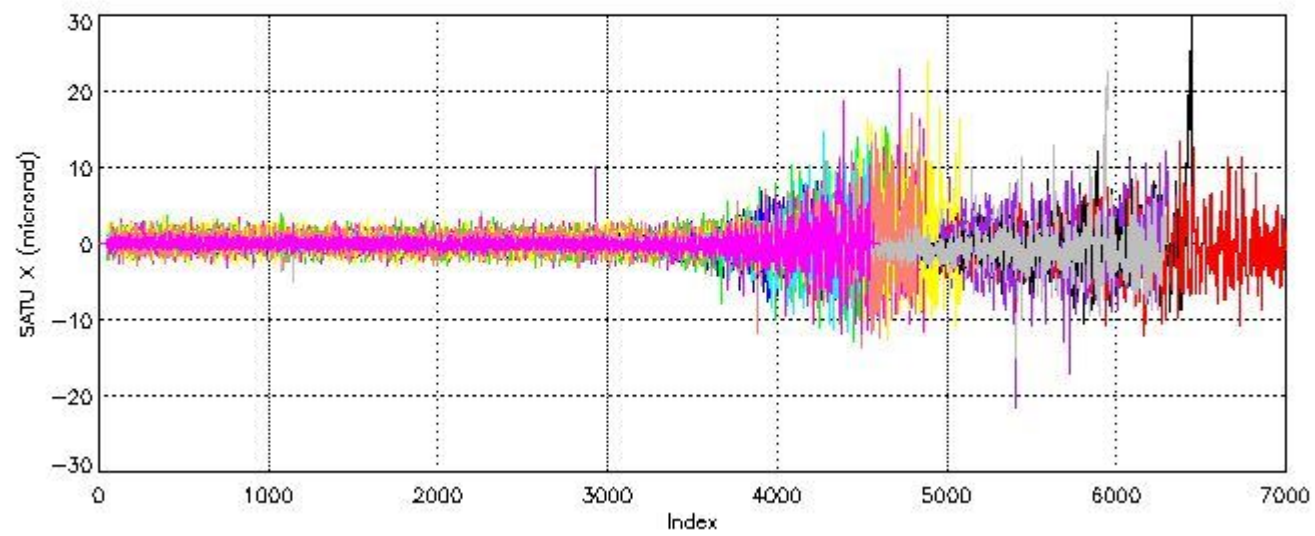


7. Star Acquisition and Tracking Unit (SATU)

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:	0.21926	-0.45945	0.27000	-0.57614
St. deviation:	0.54520	1.3173	0.73423	1.5342
Maximum:	3.8000	6.7000	5.8000	9.8000
Minimum:	-5.0000	-7.7000	-5.8000	-9.1000

Number of data:	22050.	22050.	69150.	69150.
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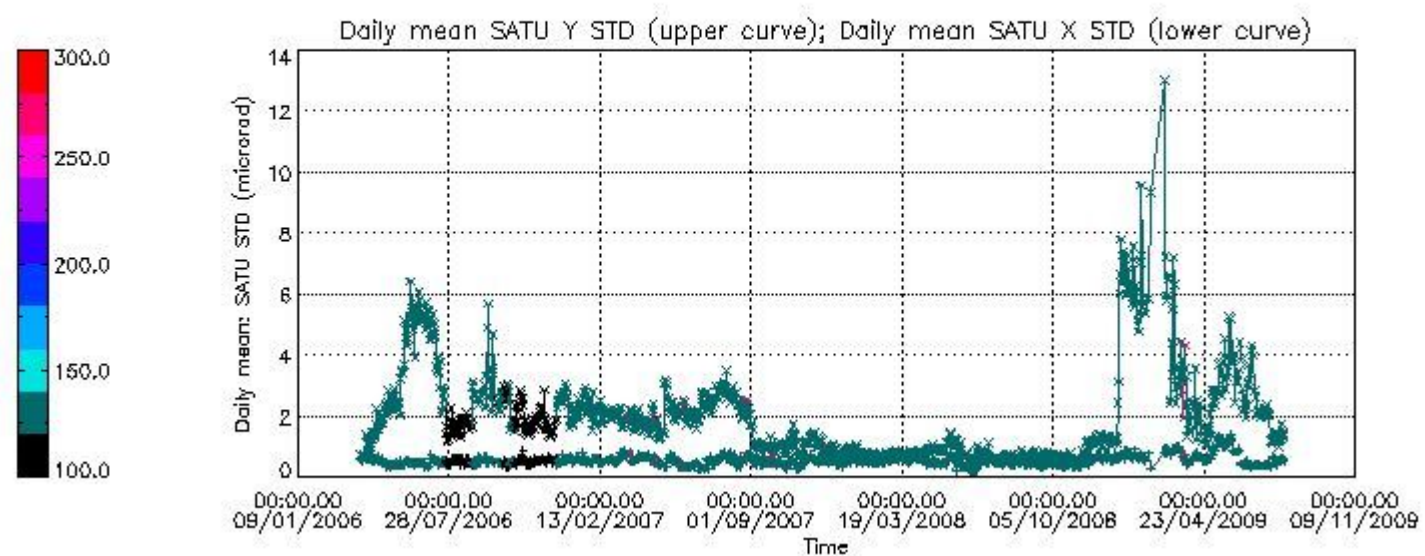
7.2.2 Trend of daily SATU NEA St. deviation since 1st April 2006 (dark limb)

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

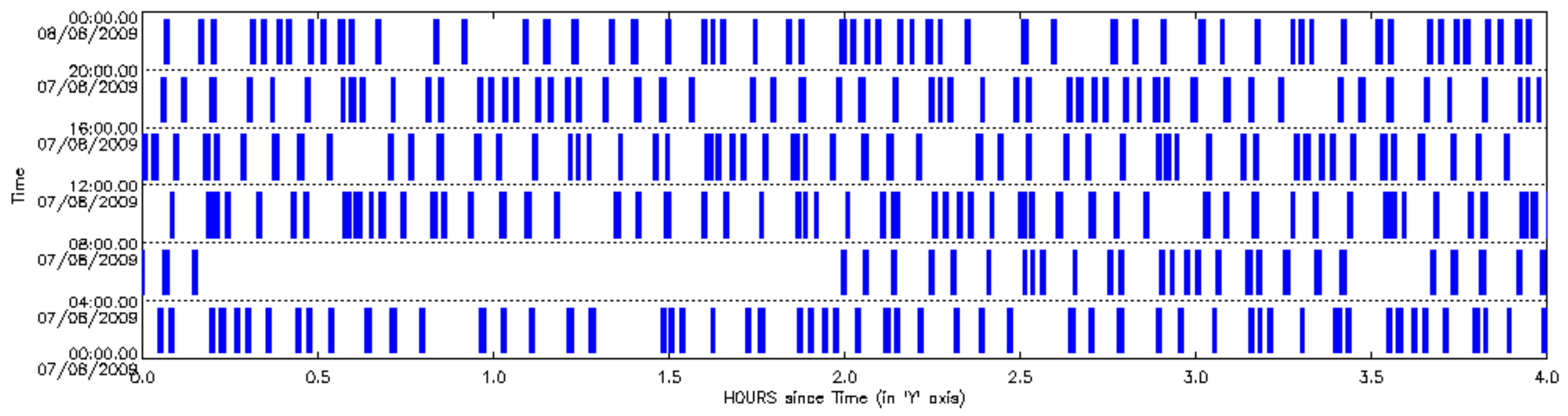
Lower curve: STD of SATU X axis

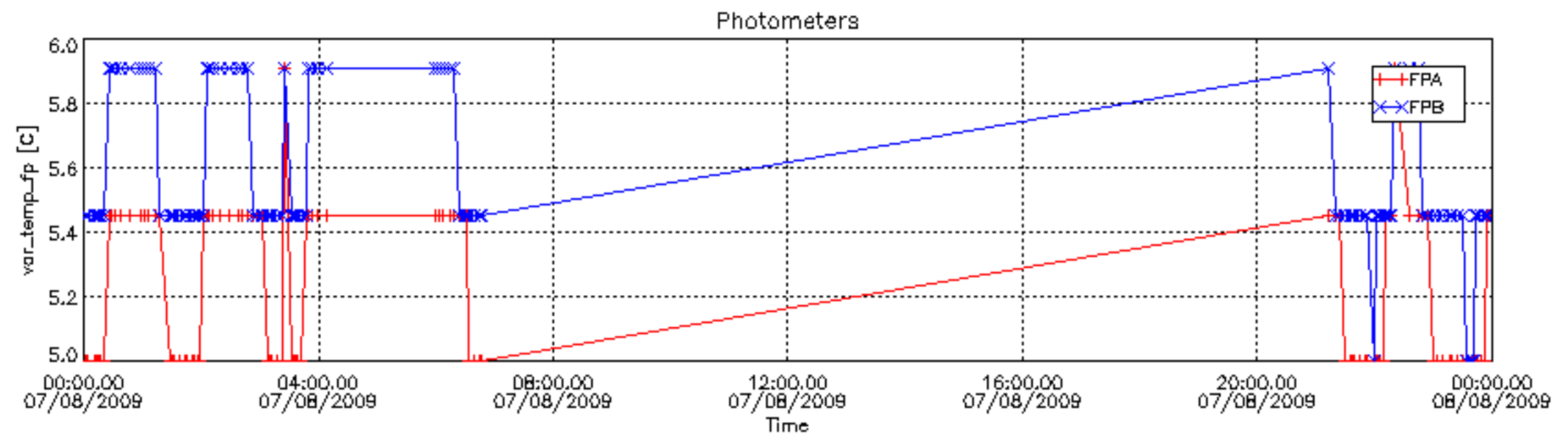
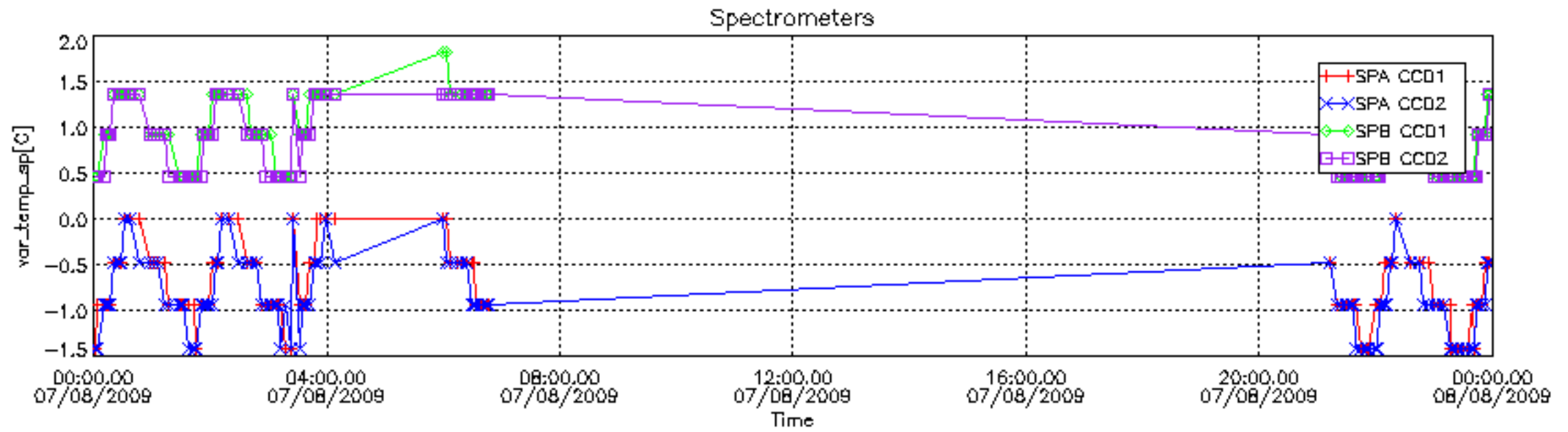


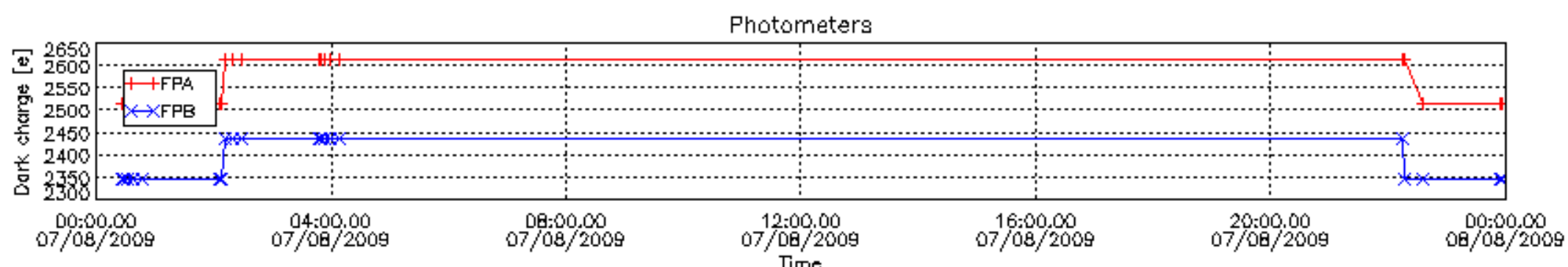
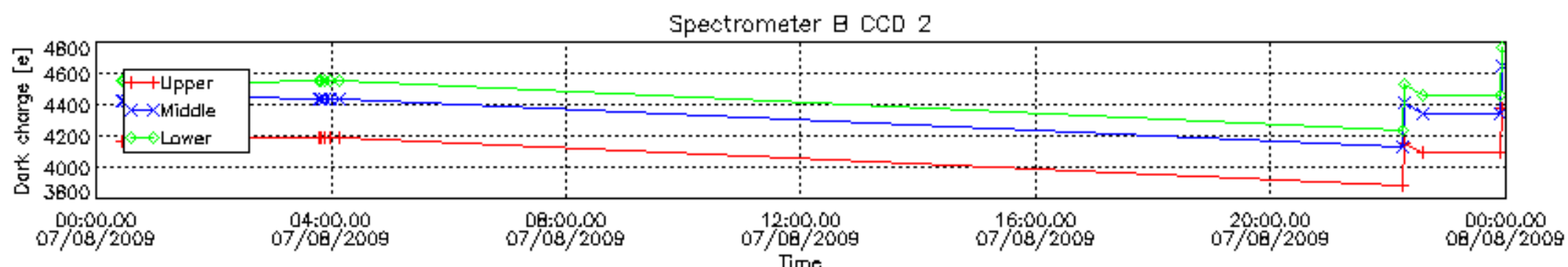
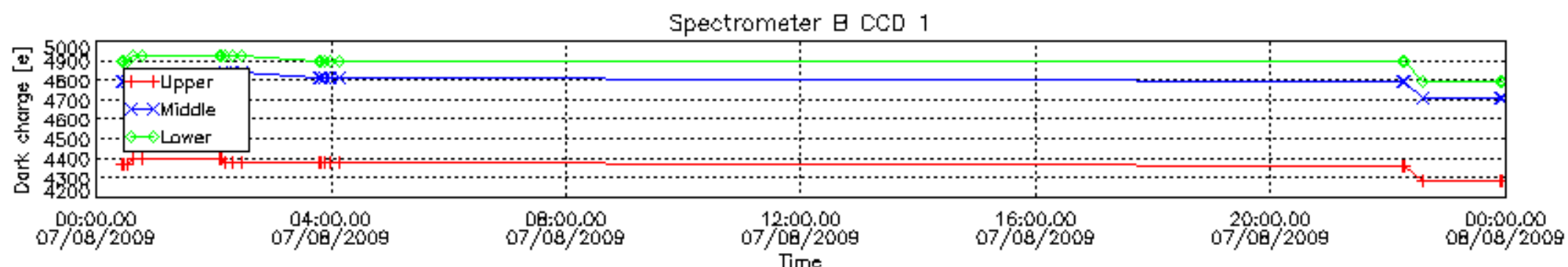
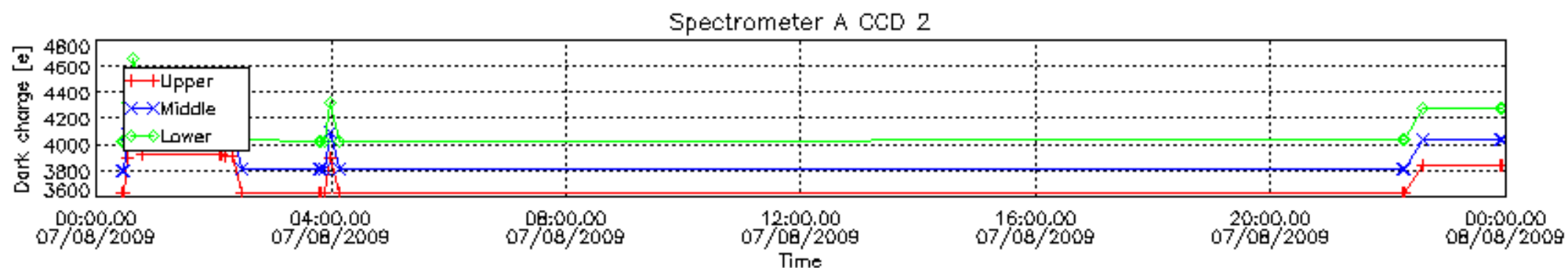
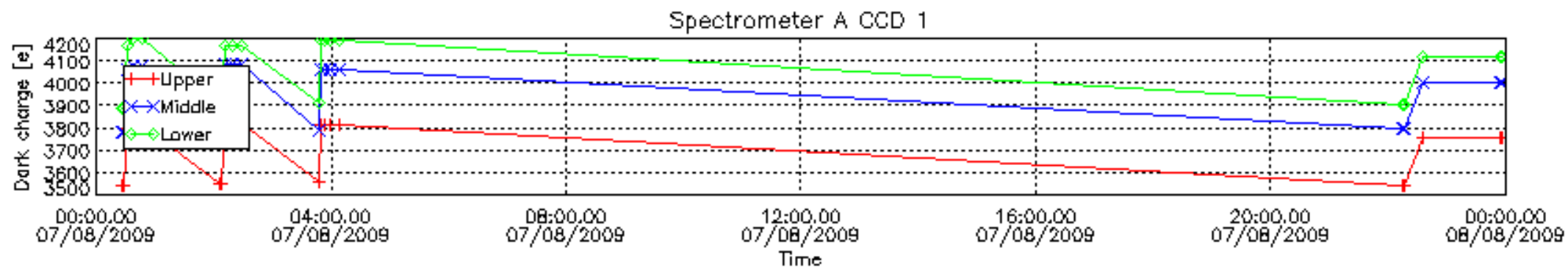
8. Auxiliary Data Files used for the production reported in section 2.4

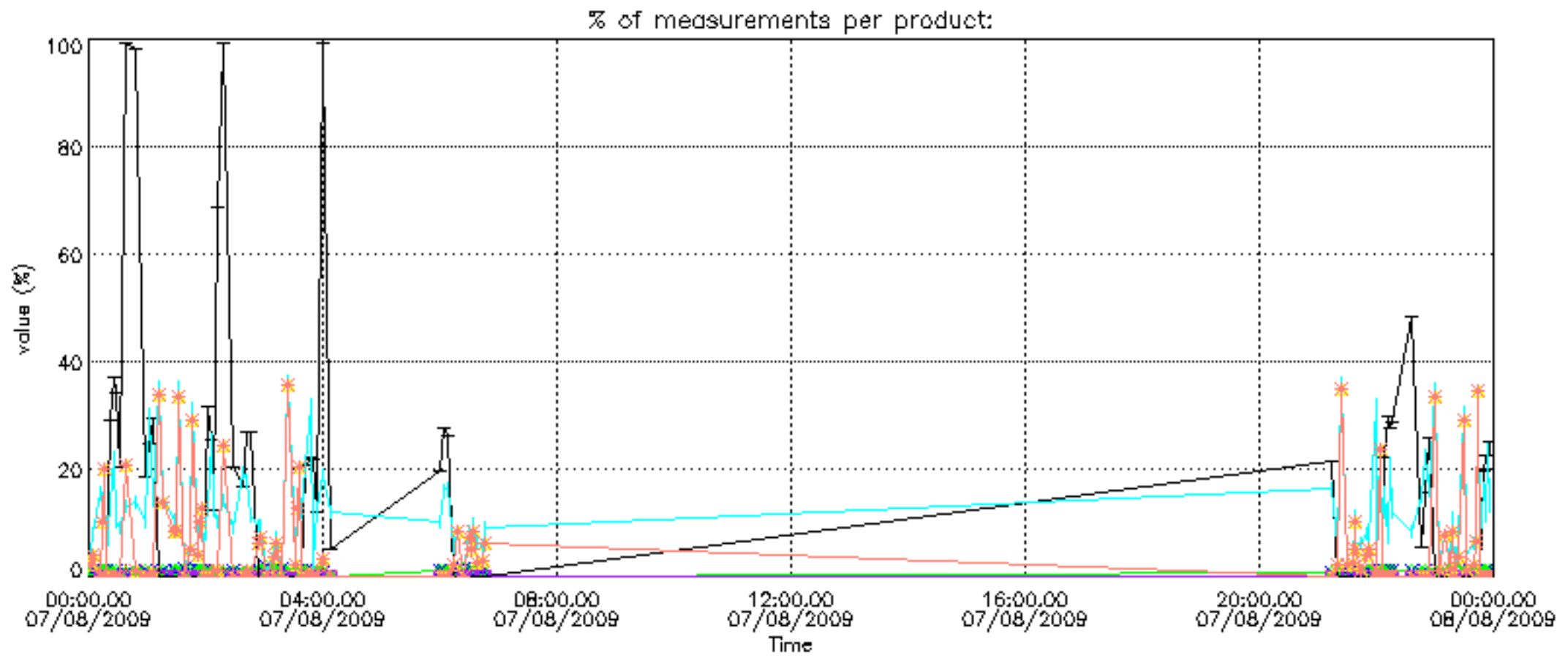
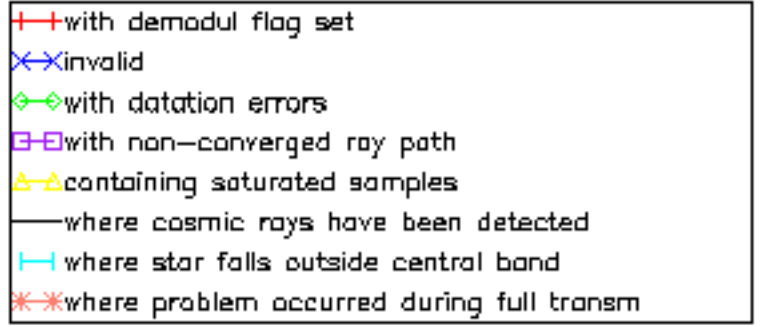
The number reported in the third column indicates since which file (see list in section 2.4) the corresponding auxiliary file has been used. The fourth column is the date of those product files.

Type	Auxiliary Filename	Used since product	Used since product date
INST_PHYS_CHARACTERISTICS	GOM_INS_AXNIEC20050627_150713_20030716_120000_20100101_000000	1	07-AUG-2009 00:02:26
CALIBRATION_DATABASE	GOM_CAL_AXVIEC20090806_083422_20090804_000000_20100101_000000	1	07-AUG-2009 00:02:26
LEVEL-1B_PROC_CONFIG	GOM_PR1_AXNIEC20050627_151042_20020301_000000_20100101_000000	1	07-AUG-2009 00:02:26
STAR_CATALOGUE	GOM_CAT_AXVIEC20020121_161009_20020101_000000_20200101_000000	1	07-AUG-2009 00:02:26
STELLAR_SPECTRA_DATABANK	GOM_STS_AXNIEC20040308_103538_20020101_160000_20100101_000000	1	07-AUG-2009 00:02:26
ECMWF_FILE	AUX_ECF_AXNECM20090806_064113_20090806_210000_20090807_090000	1	07-AUG-2009 00:02:26
ECMWF_FILE	AUX_ECF_AXNECM20090807_125207_20090807_210000_20090808_090000	68	07-AUG-2009 21:13:18
OPTIONAL_ECMWF_FILE	MISSING	1	07-AUG-2009 00:02:26
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20090806_210502_000060572081_00243_38874_8502.N1	1	07-AUG-2009 00:02:26
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20090806_225117_000057382081_00244_38875_8503.N1	11	07-AUG-2009 00:37:55
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20090807_003214_000054192081_00245_38876_8504.N1	31	07-AUG-2009 02:12:28
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20090807_020752_000041442081_00246_38877_8505.N1	45	07-AUG-2009 03:25:43
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20090807_032216_000057382081_00247_38878_8506.N1	56	07-AUG-2009 05:59:24
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20090807_211012_000038252081_00258_38889_8508.N1	68	07-AUG-2009 21:13:18

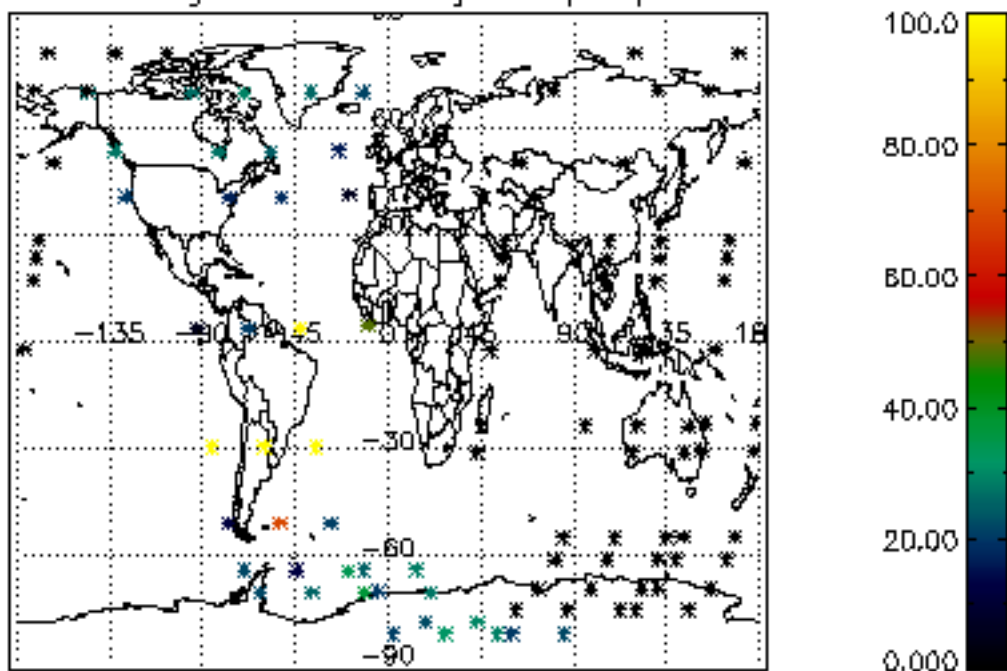




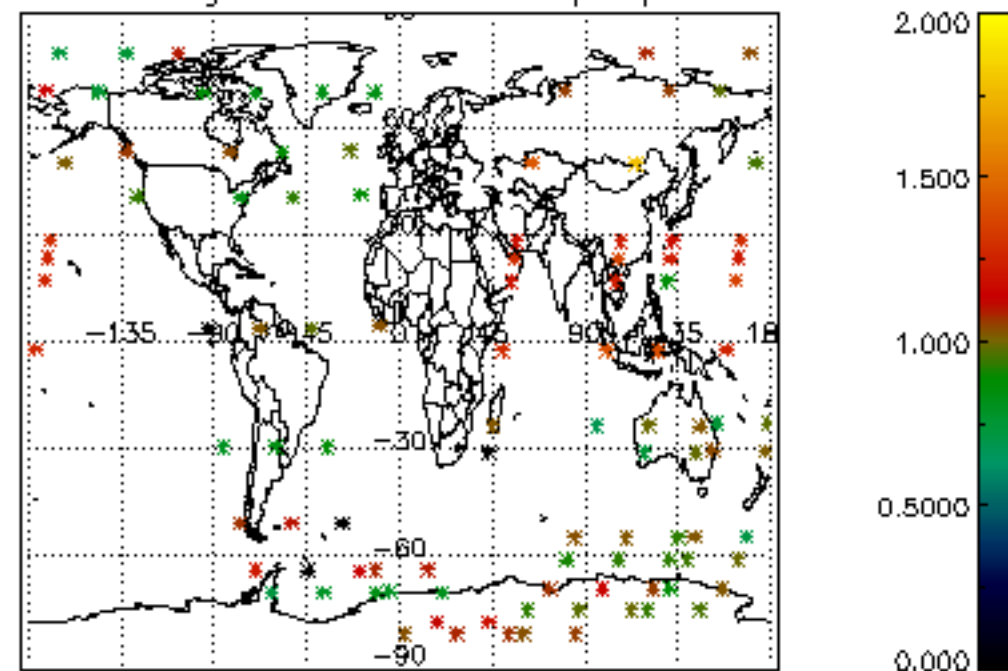




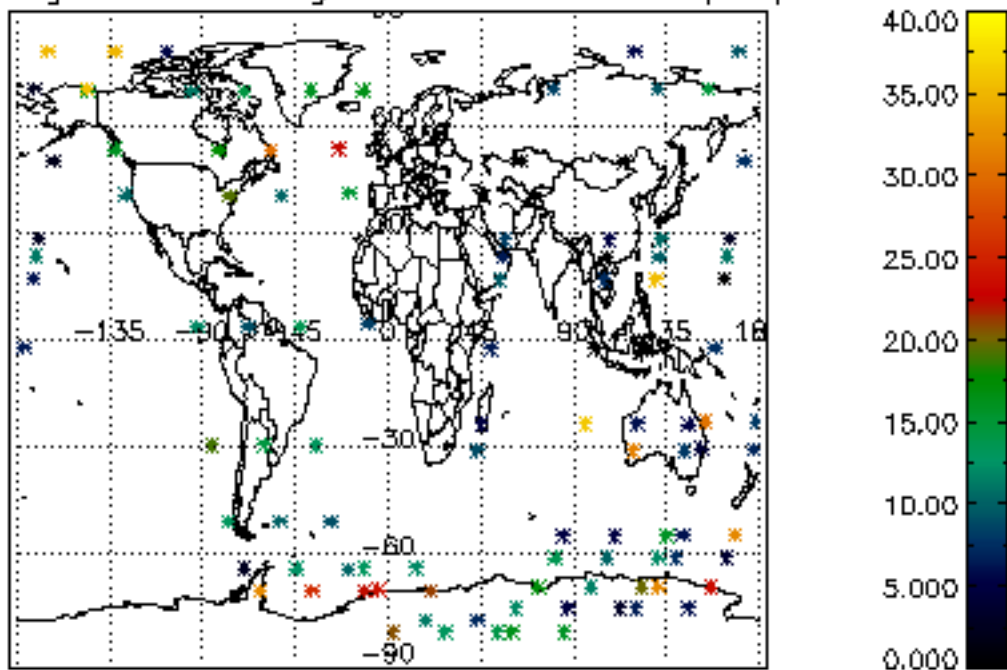
Percentage of cosmic ray hits per profile



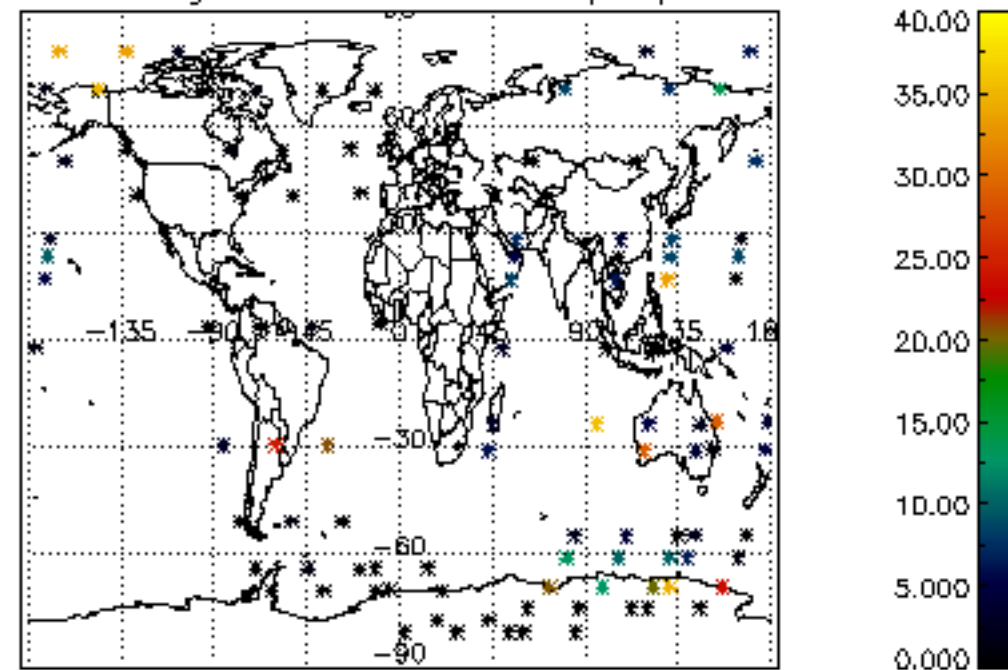
Percentage of datation errors per profile



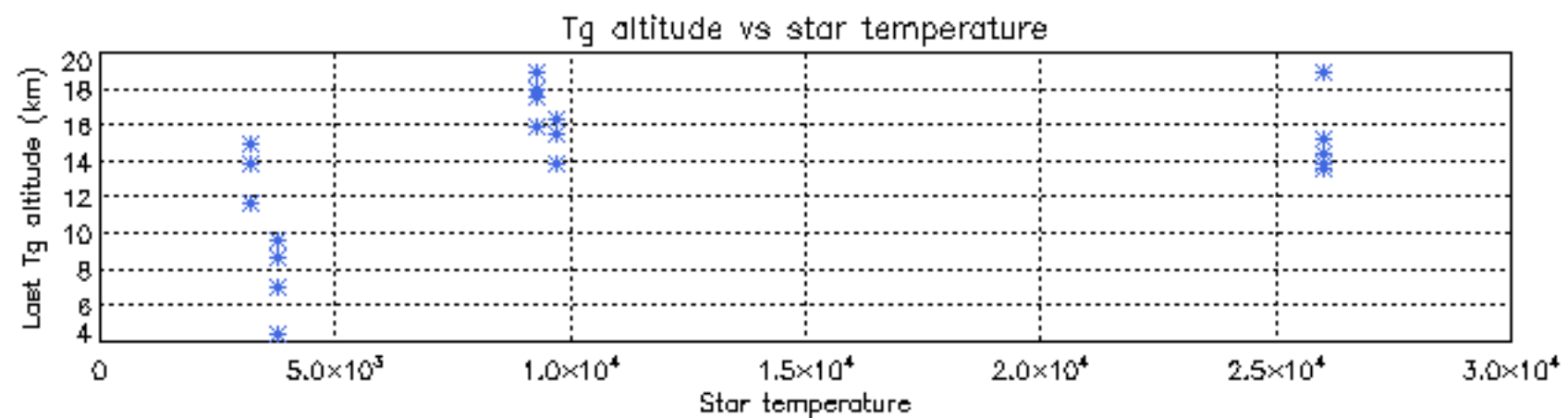
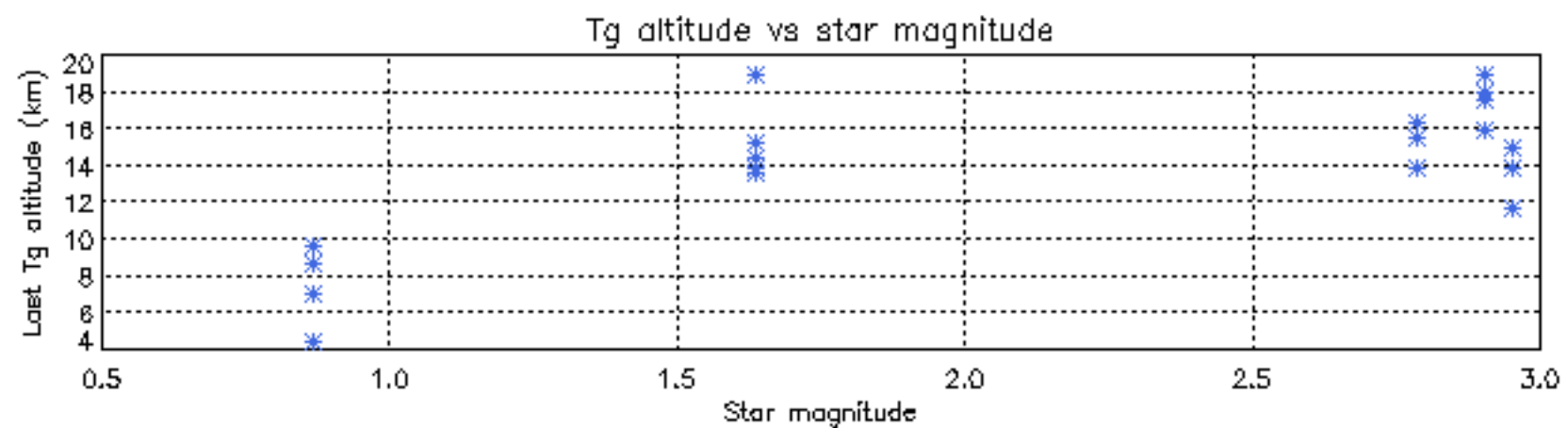
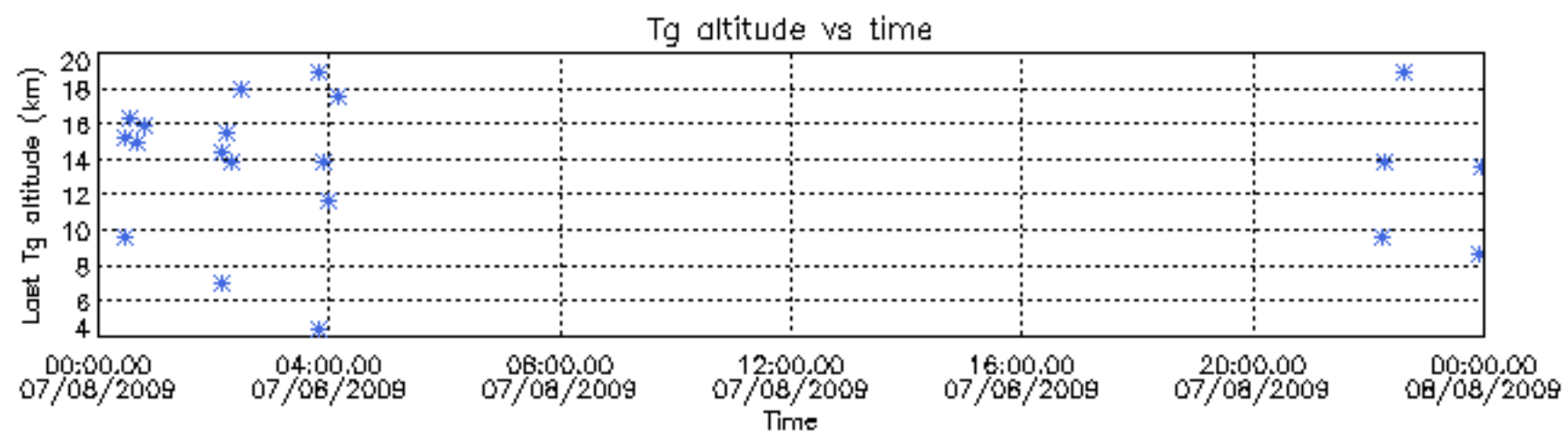
Percentage of star falling outside central band per profile



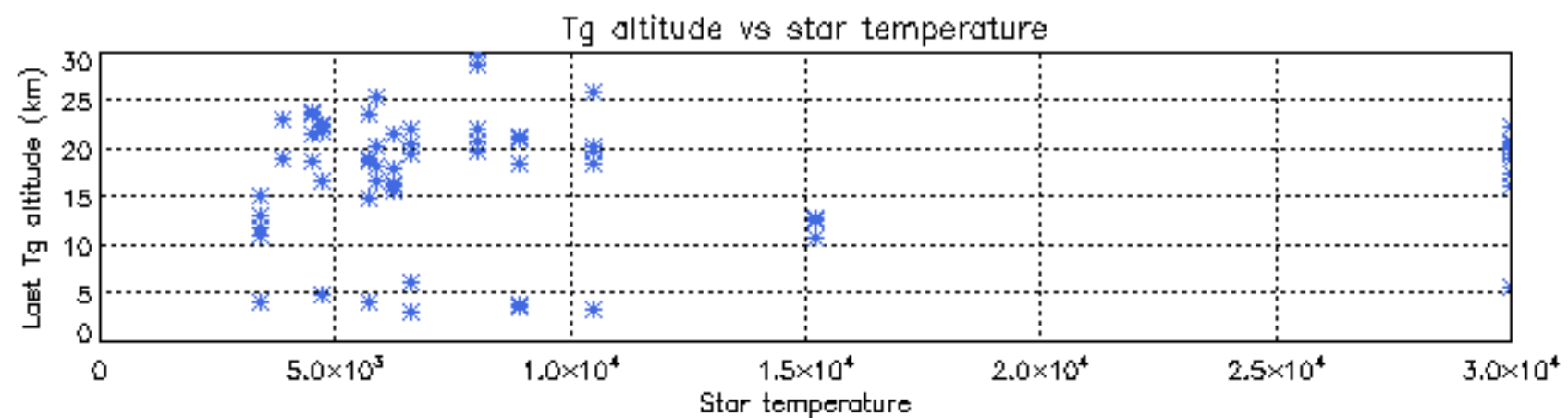
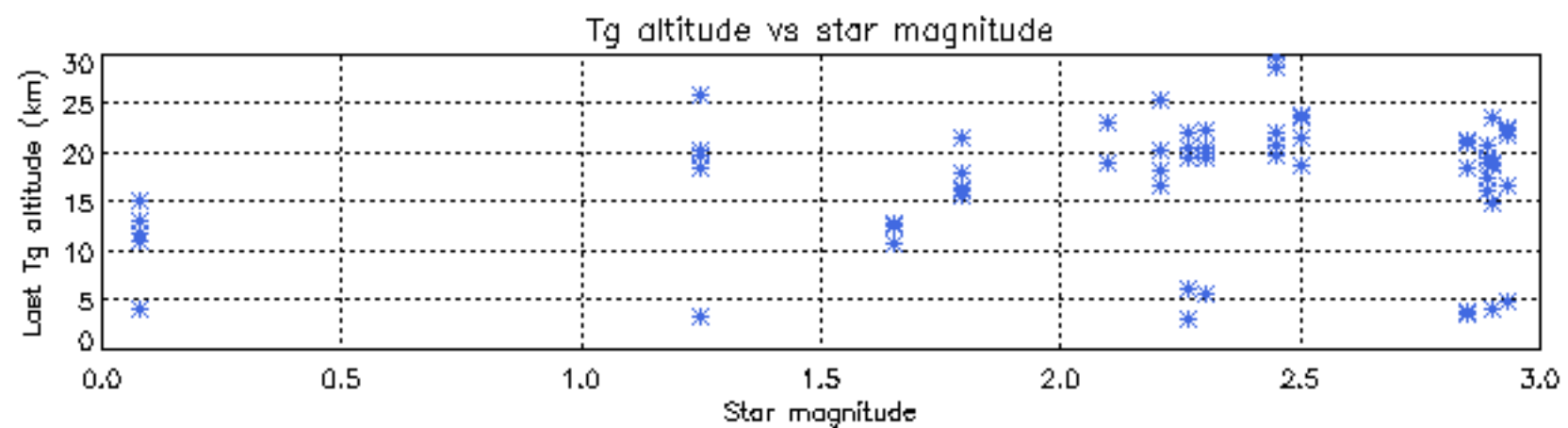
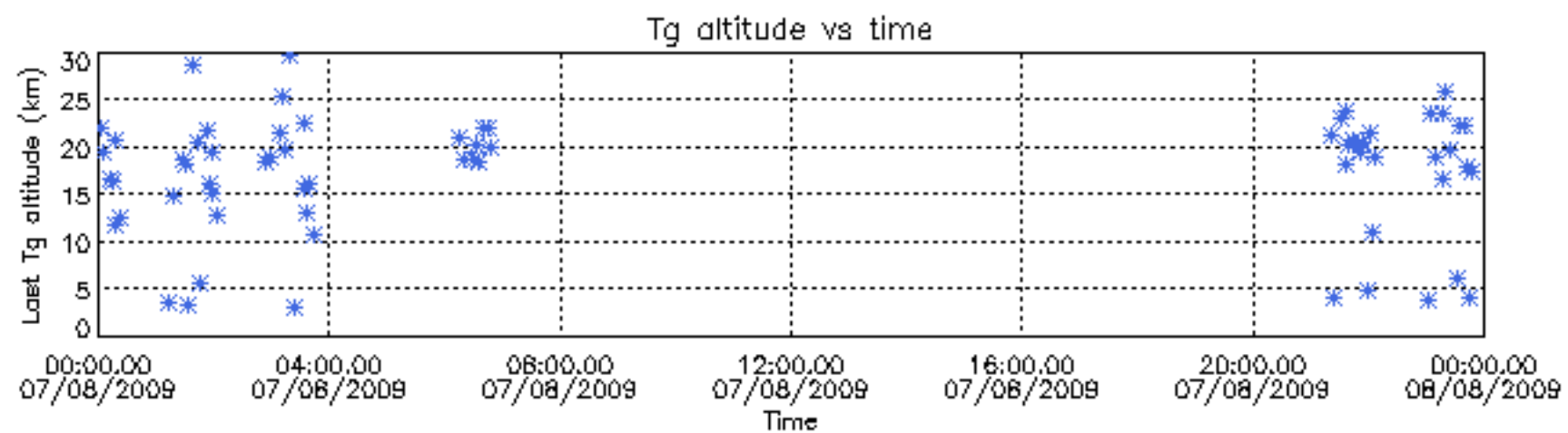
Percentage of saturation errors per profile

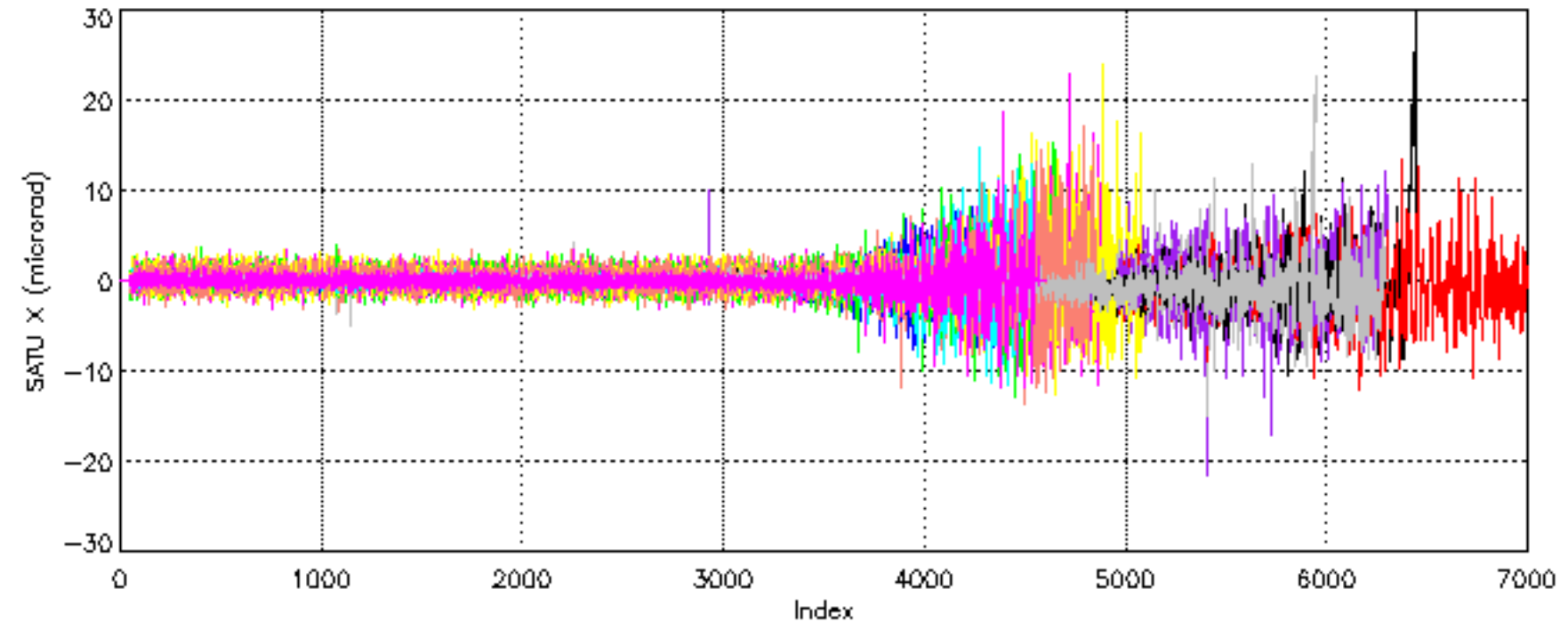


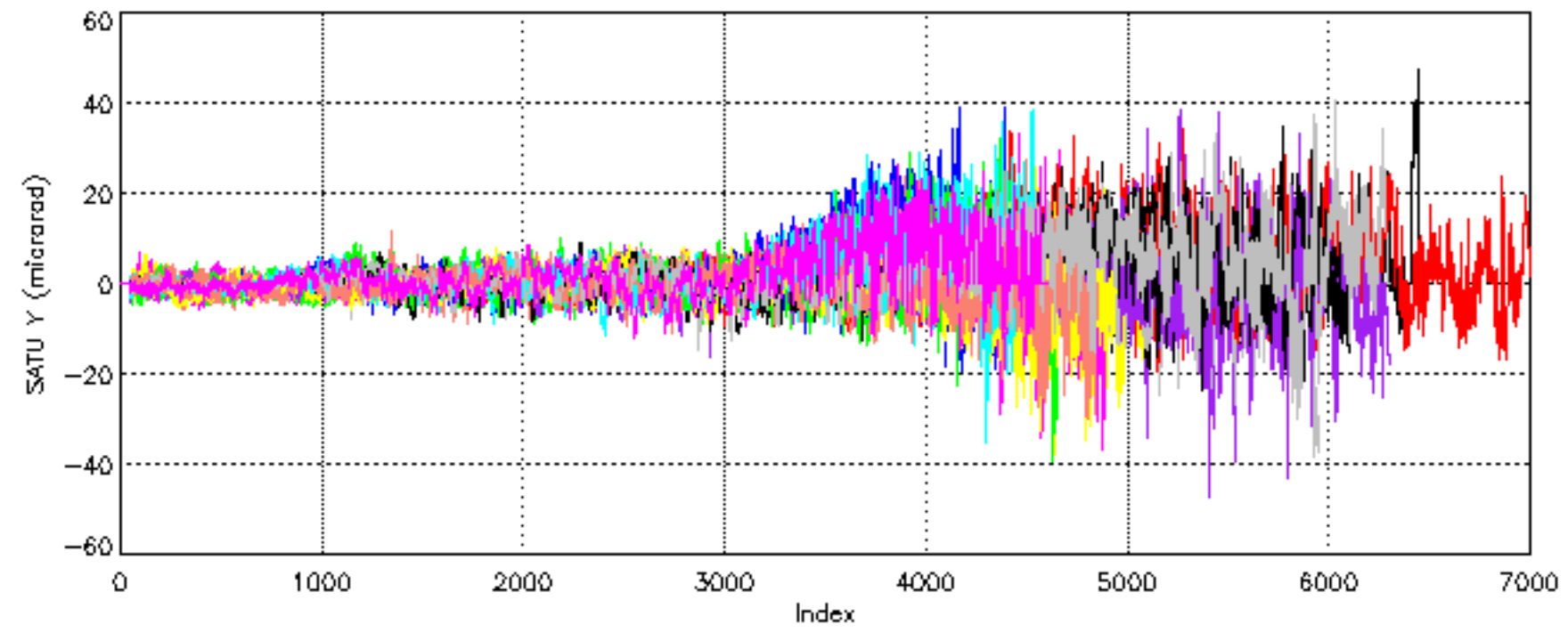
Tangent altitude at which the star is lost

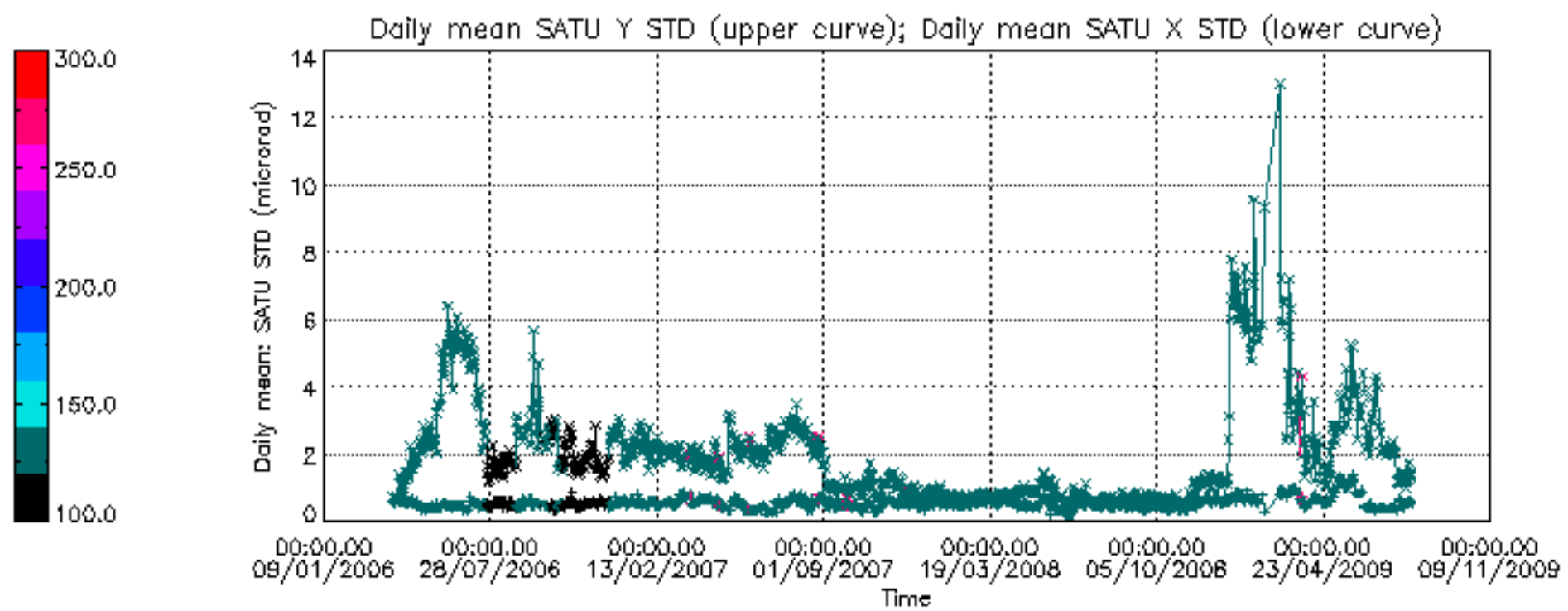


Tangent altitude at which the star is lost









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9; -511.4; 06-AUG-2009 04:30:29; Dark ; 58.5; 165; 34Gam Eri ; 2.95; 3200;occ; 117; 0;38864
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14; 1181.1; 06-AUG-2009 04:58:42; Dark ; 58.5; 18; 24Alp PsA ; 1.17; 9700;occ; 117; 0;38865
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13; 893.7; 06-AUG-2009 06:34:30; Dark ; 58.5; 63; Bet Gru ; 2.15; 2800;occ; 117; 0;38866
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3; 1578.2; 06-AUG-2009 20:10:42; Bright; 47.0; 142; 49Del Cap ; 2.85; 8900;occ; 94; 0;38874
4; 1809.5; 06-AUG-2009 20:14:34; Bright; 48.5; 154; 22Bet Aqr ; 2.90; 5700;occ; 97; 0;38874
5; 2541.4; 06-AUG-2009 20:26:46; Bright; 39.5; 92; 53Eps Cyg ; 2.50; 4500;occ; 79; 0;38874
6; 2623.3; 06-AUG-2009 20:28:08; Bright; 57.0; 66; 37Gam Cyg ; 2.21; 5900;occ; 114; 0;38874
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10; 1809.5; 06-AUG-2009 21:55:10; Bright; 45.5; 154; 22Bet Aqr ; 2.90; 5700;occ; 91; 0;38875
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 16; 5528.1; 06-AUG-2009 09:32:21; Dark ; 61.0; 165; 34Gam Eri ; 2.95; 3200;occ; 122; 0;38867
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 5; 2734.1; 06-AUG-2009 10:26:23; Bright; 42.5; 19; 50Alp Cyg ; 1.25; 10500;occ; 85; 0;38868
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5; 1809.1; 07-AUG-2009 06:18:09; Bright; 47.5; 154; 22Bet Aqr ; 2.90; 5700;occ; 95; 0;38880
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5; 2535.7; 07-AUG-2009 21:35:39; Bright; 39.0; 92; 53Eps Cyg ; 2.50; 4500;occ; 78; 0;38889

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13; 4308.0; 08-AUG-2009 21:33:34; Bright; 57.5; 149; 45Eps Per ; 2.89; 30000;occ; 115; 0;38903
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12; 2721.6; 08-AUG-2009 22:47:44; Bright; 57.0; 19; 50Alp Cyg ; 1.25; 10500;occ; 114; 0;38904
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4; 2724.0; 08-AUG-2009 11:03:35; Bright; 40.0; 19; 50Alp Cyg ; 1.25; 10500;occ; 80; 0;38897
5; 3050.0; 08-AUG-2009 11:09:00; Bright; 39.5; 89; 5Alp Cep ; 2.45; 8000;occ; 79; 0;38897
6; 3393.3; 08-AUG-2009 11:14:44; Bright; 49.5; 74; 11Bet Cas ; 2.27; 6600;occ; 99; 0;38897

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9; 4044.3; 08-AUG-2009 11:25:35; Bright; 51.0; 35; 33Alp Per ; 1.79; 6250;occ; 102; 0;38897
10; 4199.9; 08-AUG-2009 11:28:10; Bright; 45.5; 6; 13Alp Aur ; 0.08; 3400;occ; 91; 0;38897
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12; 4532.6; 08-AUG-2009 11:33:43; Dark ; 49.0; 28; 12Bet Tau ; 1.65; 15200;occ; 98; 0;38897
13; 4664.2; 08-AUG-2009 11:35:55; Dark ; 44.0; 176; 23Zet Tau ; 3.02; 22000;occ; 88; 0;38897
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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
5; 2723.5; 08-AUG-2009 12:44:10; Bright; 57.0; 19; 50Alp Cyg ; 1.25; 10500;occ; 114; 0;38898
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
12; 4308.6; 08-AUG-2009 13:10:35; Bright; 52.5; 149; 45Eps Per ; 2.89; 30000;occ; 105; 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
22; 6947.5; 08-AUG-2009 13:54:34; Dark ; 48.5; 63; Bet Gru ; 2.15; 2800;occ; 97; 0;38898
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3; 2158.9; 08-AUG-2009 14:15:21; Bright; 50.0; 61; 8Eps Peg ; 2.10; 3900;occ; 100; 0;38899
4; 2532.3; 08-AUG-2009 14:21:35; Bright; 39.5; 92; 53Eps Cyg ; 2.50; 4500;occ; 79; 0;38899
5; 2723.3; 08-AUG-2009 14:24:46; Bright; 40.5; 19; 50Alp Cyg ; 1.25; 10500;occ; 81; 0;38899
6; 3049.2; 08-AUG-2009 14:30:11; Bright; 39.5; 89; 5Alp Cep ; 2.45; 8000;occ; 79; 0;38899
7; 3391.7; 08-AUG-2009 14:35:54; Bright; 47.0; 74; 11Bet Cas ; 2.27; 6600;occ; 94; 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
16; 4952.2; 08-AUG-2009 15:01:54; Dark ; 46.0; 27; 24Gam Ori ; 1.64; 26000;occ; 92; 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
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3; 2158.5; 08-AUG-2009 15:55:57; Bright; 52.0; 61; 8Eps Peg ; 2.10; 3900;occ; 104; 0;38900


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6; 3048.8; 08-AUG-2009 16:10:47; Bright; 38.5; 89; 5Alp Cep ; 2.45; 8000;occ; 77; 0;38900
7; 3390.7; 08-AUG-2009 16:16:29; Bright; 49.5; 74; 11Bet Cas ; 2.27; 6600;occ; 99; 0;38900
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
12; 4308.5; 08-AUG-2009 16:31:47; Bright; 53.5; 149; 45Eps Per ; 2.89; 30000;occ; 107; 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
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9; 3517.3; 08-AUG-2009 19:39:48; Bright; 50.0; 76; 27Gam Cas ; 2.30; 30000;occ; 100; 0;38902
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13; 4308.3; 08-AUG-2009 19:52:58; Bright; 52.5; 149; 45Eps Per ; 2.89; 30000;occ; 105; 0;38902
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22; 6742.9; 08-AUG-2009 20:33:33; Dark ; 53.0; 84; Alp Phe ; 2.40; 4500;occ; 106; 0;38902
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 9; 2155.4; 09-AUG-2009 01:59:29; Bright; 49.0; 61; 8Eps Peg ; 2.10; 3900;occ; 98; 0;38906
 10; 2529.8; 09-AUG-2009 02:05:44; Bright; 39.0; 92; 53Eps Cyg ; 2.50; 4500;occ; 78; 0;38906
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 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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 17; 2155.0; 09-AUG-2009 03:40:05; Bright; 52.5; 61; 8Eps Peg ; 2.10; 3900;occ; 105; 0;38907
 18; 2529.7; 09-AUG-2009 03:46:19; Bright; 41.0; 92; 53Eps Cyg ; 2.50; 4500;occ; 82; 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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13; 712.9; 09-AUG-2009 06:37:15; Dark ; 52.5; 84; Alp Phe ; 2.40; 4500;occ; 105; 0;38909
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5; 2526.2; 09-AUG-2009 20:32:15; Bright; 39.5; 92; 53Eps Cyg ; 2.50; 4500;occ; 79; 0;38917
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7; 3043.1; 09-AUG-2009 20:40:52; Bright; 40.0; 89; 5Alp Cep ; 2.45; 8000;occ; 80; 0;38917
8; 3377.0; 09-AUG-2009 20:46:26; Bright; 50.0; 74; 11Bet Cas ; 2.27; 6600;occ; 100; 0;38917
9; 3506.1; 09-AUG-2009 20:48:35; Bright; 47.5; 76; 27Gam Cas ; 2.30; 30000;occ; 95; 0;38917
10; 3925.6; 09-AUG-2009 20:55:35; Bright; 51.0; 160; 23Gam Per ; 2.93; 4700;occ; 102; 0;38917
11; 4036.5; 09-AUG-2009 20:57:26; Bright; 55.5; 35; 33Alp Per ; 1.79; 6250;occ; 111; 0;38917
12; 4199.3; 09-AUG-2009 21:00:08; Bright; 46.0; 6; 13Alp Aur ; 0.08; 3400;occ; 92; 0;38917
13; 4306.7; 09-AUG-2009 21:01:56; Bright; 53.0; 149; 45Eps Per ; 2.89; 30000;occ; 106; 0;38917
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5; 721.3; 09-AUG-2009 21:42:46; Dark ; 63.5; 84; Alp Phe ; 2.40; 4500;occ; 127; 0;38918
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12; 2717.4; 09-AUG-2009 22:16:02; Bright; 36.5; 19; 50Alp Cyg ; 1.25; 10500;occ; 73; 0;38918
13; 3042.7; 09-AUG-2009 22:21:28; Bright; 38.5; 89; 5Alp Cep ; 2.45; 8000;occ; 77; 0;38918
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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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7; 1582.5; 09-AUG-2009 23:37:43; Bright; 44.5; 142; 49Del Cap ; 2.85; 8900;occ; 89; 0;38919
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9; 2148.7; 09-AUG-2009 23:47:10; Bright; 51.0; 61; 8Eps Peg ; 2.10; 3900;occ; 102; 0;38919
10; 2525.6; 09-AUG-2009 23:53:26; Bright; 38.0; 92; 53Eps Cyg ; 2.50; 4500;occ; 76; 0;38919
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13; 3375.3; 10-AUG-2009 00:07:36; Bright; 51.0; 74; 11Bet Cas ; 2.27; 6600;occ; 102; 0;38919
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 2; 1583.6; 10-AUG-2009 16:23:44; Bright; 46.0; 142; 49Del Cap ; 2.85; 8900;occ; 92; 0;38929
 3; 1804.2; 10-AUG-2009 16:27:24; Bright; 64.0; 154; 22Bet Aqr ; 2.90; 5700;occ; 128; 0;38929
 4; 1946.3; 10-AUG-2009 16:29:46; Bright; 25.0; 162; 34Alp Aqr ; 2.94; 5350;occ; 50; 0;38929
 5; 2144.2; 10-AUG-2009 16:33:04; Bright; 50.0; 61; 8Eps Peg ; 2.10; 3900;occ; 100; 0;38929
 6; 2522.5; 10-AUG-2009 16:39:23; Bright; 39.0; 92; 53Eps Cyg ; 2.50; 4500;occ; 78; 0;38929
 7; 2714.0; 10-AUG-2009 16:42:34; Bright; 38.0; 19; 50Alp Cyg ; 1.25; 10500;occ; 76; 0;38929

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 9; 3367.4; 10-AUG-2009 16:53:28; Bright; 50.0; 74; 11Bet Cas ; 2.27; 6600;occ; 100; 0;38929
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 11; 3919.5; 10-AUG-2009 17:02:40; Bright; 75.0; 160; 23Gam Per ; 2.93; 4700;occ; 150; 0;38929
 12; 4031.6; 10-AUG-2009 17:04:32; Bright; 52.0; 35; 33Alp Per ; 1.79; 6250;occ; 104; 0;38929
 13; 4198.8; 10-AUG-2009 17:07:19; Bright; 48.5; 6; 13Alp Aur ; 0.08; 3400;occ; 97; 0;38929
 14; 4305.5; 10-AUG-2009 17:09:06; Bright; 38.0; 149; 45Eps Per ; 2.89; 30000;occ; 76; 0;38929
 15; 4538.6; 10-AUG-2009 17:12:59; Dark ; 47.5; 28; 12Bet Tau ; 1.65; 15200;occ; 95; 0;38929
 16; 4672.5; 10-AUG-2009 17:15:13; Dark ; 42.0; 176; 23Zet Tau ; 3.02; 22000;occ; 84; 0;38929
 17; 4854.6; 10-AUG-2009 17:18:15; Dark ; 66.0; 13; 87Alp Tau ; 0.87; 3800;occ; 132; 0;38929
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 19; 5073.5; 10-AUG-2009 17:21:54; Dark ; 45.0; 72; 34Del Ori ; 2.25; 30000;occ; 90; 0;38929
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 22; 5842.4; 10-AUG-2009 17:34:43; Dark ; 59.0; 0; ; 0.00; 0;occ; 118; 0;38929
 23; 6157.3; 10-AUG-2009 17:39:57; Dark ; 48.5; 157; The1Eri ; 2.91; 9300;occ; 97; 0;38929
 24; 6768.5; 10-AUG-2009 17:50:09; Dark ; 51.5; 84; Alp Phe ; 2.40; 4500;occ; 103; 0;38929
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 3; 1804.0; 10-AUG-2009 18:08:00; Bright; 44.0; 154; 22Bet Aqr ; 2.90; 5700;occ; 88; 0;38930
 4; 1945.9; 10-AUG-2009 18:10:22; Bright; 31.0; 162; 34Alp Aqr ; 2.94; 5350;occ; 62; 0;38930
 5; 2143.7; 10-AUG-2009 18:13:40; Bright; 60.0; 61; 8Eps Peg ; 2.10; 3900;occ; 120; 0;38930
 6; 2522.1; 10-AUG-2009 18:19:58; Bright; 58.0; 92; 53Eps Cyg ; 2.50; 4500;occ; 116; 0;38930
 7; 2713.7; 10-AUG-2009 18:23:10; Bright; 57.0; 19; 50Alp Cyg ; 1.25; 10500;occ; 114; 0;38930
 8; 3038.9; 10-AUG-2009 18:28:35; Bright; 40.0; 89; 5Alp Cep ; 2.45; 8000;occ; 80; 0;38930
 9; 3366.5; 10-AUG-2009 18:34:03; Bright; 51.5; 74; 11Bet Cas ; 2.27; 6600;occ; 103; 0;38930
 10; 3496.7; 10-AUG-2009 18:36:13; Bright; 46.5; 76; 27Gam Cas ; 2.30; 30000;occ; 93; 0;38930
 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
 17; 4855.2; 10-AUG-2009 18:58:51; Dark ; 69.5; 13; 87Alp Tau ; 0.87; 3800;occ; 139; 0;38930
 18; 4966.3; 10-AUG-2009 19:00:42; Dark ; 47.5; 27; 24Gam Ori ; 1.64; 26000;occ; 95; 0;38930
 19; 5073.9; 10-AUG-2009 19:02:30; Dark ; 43.0; 72; 34Del Ori ; 2.25; 30000;occ; 86; 0;38930
 20; 5248.4; 10-AUG-2009 19:05:25; Dark ; 53.5; 7; 19Bet Ori ; 0.10; 14000;occ; 107; 0;38930
 21; 5608.4; 10-AUG-2009 19:11:25; Dark ; 69.5; 165; 34Gam Eri ; 2.95; 3200;occ; 139; 0;38930
 22; 5843.3; 10-AUG-2009 19:15:19; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;38930
 23; 6158.5; 10-AUG-2009 19:20:35; Dark ; 49.5; 157; The1Eri ; 2.91; 9300;occ; 99; 0;38930
 24; 6769.3; 10-AUG-2009 19:30:45; Dark ; 64.5; 84; Alp Phe ; 2.40; 4500;occ; 129; 0;38930

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 3; 125.7; 11-AUG-2009 00:22:25; Dark ; 51.5; 157; The1Eri ; 2.91; 9300;occ; 103; 0;38934
 4; 736.0; 11-AUG-2009 00:32:36; Dark ; 56.5; 84; Alp Phe ; 2.40; 4500;occ; 113; 0;38934
 5; 1218.1; 11-AUG-2009 00:40:38; Dark ; 58.0; 18; 24Alp PsA ; 1.17; 9700;occ; 116; 0;38934
 6; 1584.0; 11-AUG-2009 00:46:44; Bright; 45.5; 142; 49Del Cap ; 2.85; 8900;occ; 91; 0;38934
 7; 1803.6; 11-AUG-2009 00:50:23; Bright; 42.5; 154; 22Bet Aqr ; 2.90; 5700;occ; 85; 0;38934
 8; 1944.2; 11-AUG-2009 00:52:44; Bright; 45.0; 162; 34Alp Aqr ; 2.94; 5350;occ; 90; 0;38934
 9; 2141.7; 11-AUG-2009 00:56:01; Bright; 50.0; 61; 8Eps Peg ; 2.10; 3900;occ; 100; 0;38934
 10; 2521.0; 11-AUG-2009 01:02:21; Bright; 38.0; 92; 53Eps Cyg ; 2.50; 4500;occ; 76; 0;38934
 11; 2712.6; 11-AUG-2009 01:05:32; Bright; 36.0; 19; 50Alp Cyg ; 1.25; 10500;occ; 72; 0;38934
 12; 3037.3; 11-AUG-2009 01:10:57; Bright; 39.0; 89; 5Alp Cep ; 2.45; 8000;occ; 78; 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
 20; 4857.3; 11-AUG-2009 01:41:17; Dark ; 76.0; 13; 87Alp Tau ; 0.87; 3800;occ; 152; 0;38934
 21; 4968.1; 11-AUG-2009 01:43:08; Dark ; 47.0; 27; 24Gam Ori ; 1.64; 26000;occ; 94; 0;38934
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5; 126.9; 11-AUG-2009 02:03:03; Dark ; 49.0; 157; The1Eri ; 2.91; 9300;occ; 98; 0;38935
6; 737.1; 11-AUG-2009 02:13:13; Dark ; 55.5; 84; Alp Phe ; 2.40; 4500;occ; 111; 0;38935
7; 1218.7; 11-AUG-2009 02:21:14; Dark ; 55.0; 18; 24Alp PsA ; 1.17; 9700;occ; 110; 0;38935
8; 1584.2; 11-AUG-2009 02:27:20; Bright; 64.0; 142; 49Del Cap ; 2.85; 8900;occ; 128; 0;38935
9; 1803.5; 11-AUG-2009 02:30:59; Bright; 44.0; 154; 22Bet Aqr ; 2.90; 5700;occ; 88; 0;38935
10; 1944.0; 11-AUG-2009 02:33:20; Bright; 45.0; 162; 34Alp Aqr ; 2.94; 5350;occ; 90; 0;38935
11; 2141.1; 11-AUG-2009 02:36:37; Bright; 50.0; 61; 8Eps Peg ; 2.10; 3900;occ; 100; 0;38935
12; 2520.6; 11-AUG-2009 02:42:56; Bright; 40.5; 92; 53Eps Cyg ; 2.50; 4500;occ; 81; 0;38935
13; 2712.3; 11-AUG-2009 02:46:08; Bright; 40.0; 19; 50Alp Cyg ; 1.25; 10500;occ; 80; 0;38935
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15; 3362.6; 11-AUG-2009 02:56:58; Bright; 48.5; 74; 11Bet Cas ; 2.27; 6600;occ; 97; 0;38935
16; 3492.8; 11-AUG-2009 02:59:08; Bright; 49.0; 76; 27Gam Cas ; 2.30; 30000;occ; 98; 0;38935
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4; -1496.5; 11-AUG-2009 03:16:35; Dark ; 49.5; 28; 12Bet Tau ; 1.65; 15200;occ; 99; 0;38935
5; -1361.8; 11-AUG-2009 03:18:50; Dark ; 43.5; 176; 23Zet Tau ; 3.02; 22000;occ; 87; 0;38935
6; -1178.0; 11-AUG-2009 03:21:54; Dark ; 76.0; 13; 87Alp Tau ; 0.87; 3800;occ; 152; 0;38935
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8; -951.4; 11-AUG-2009 03:25:40; Dark ; 43.5; 30; 46Eps Ori ; 1.69; 30000;occ; 87; 0;38935
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11; -188.3; 11-AUG-2009 03:38:23; Dark ; 59.0; 0; ; 0.00; 0;occ; 118; 0;38935
12; 128.0; 11-AUG-2009 03:43:40; Dark ; 50.0; 157; The1Eri ; 2.91; 9300;occ; 100; 0;38936
13; 738.1; 11-AUG-2009 03:53:50; Dark ; 53.5; 84; Alp Phe ; 2.40; 4500;occ; 107; 0;38936
14; 1219.3; 11-AUG-2009 04:01:51; Dark ; 56.5; 18; 24Alp PsA ; 1.17; 9700;occ; 113; 0;38936
15; 1584.4; 11-AUG-2009 04:07:56; Bright; 44.5; 142; 49Del Cap ; 2.85; 8900;occ; 89; 0;38936
16; 1803.6; 11-AUG-2009 04:11:35; Bright; 45.0; 154; 22Bet Aqr ; 2.90; 5700;occ; 90; 0;38936
17; 1943.7; 11-AUG-2009 04:13:55; Bright; 50.5; 162; 34Alp Aqr ; 2.94; 5350;occ; 101; 0;38936
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13; 738.9; 11-AUG-2009 05:34:26; Dark ; 57.0; 84; Alp Phe ; 2.40; 4500;occ; 114; 0;38937
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15; 1584.4; 11-AUG-2009 05:48:32; Bright; 44.5; 142; 49Del Cap ; 2.85; 8900;occ; 89; 0;38937
16; 1803.6; 11-AUG-2009 05:52:11; Bright; 45.5; 154; 22Bet Aqr ; 2.90; 5700;occ; 91; 0;38937
17; 1943.4; 11-AUG-2009 05:54:31; Bright; 51.0; 162; 34Alp Aqr ; 2.94; 5350;occ; 102; 0;38937
18; 2140.3; 11-AUG-2009 05:57:48; Bright; 48.0; 61; 8Eps Peg ; 2.10; 3900;occ; 96; 0;38937
19; 2520.3; 11-AUG-2009 06:04:08; Bright; 40.5; 92; 53Eps Cyg ; 2.50; 4500;occ; 81; 0;38937
20; 2711.8; 11-AUG-2009 06:07:19; Bright; 37.0; 19; 50Alp Cyg ; 1.25; 10500;occ; 74; 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
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10; 3484.7; 11-AUG-2009 21:25:36; Bright; 47.5; 76; 27Gam Cas ; 2.30; 30000;occ; 95; 0;38946
11; 3910.7; 11-AUG-2009 21:32:42; Bright; 59.5; 160; 23Gam Per ; 2.93; 4700;occ; 119; 0;38946
12; 4024.1; 11-AUG-2009 21:34:35; Bright; 42.0; 35; 33Alp Per ; 1.79; 6250;occ; 84; 0;38946
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15; 4677.2; 11-AUG-2009 21:45:28; Dark ; 44.0; 176; 23Zet Tau ; 3.02; 22000;occ; 88; 0;38946
16; 4864.4; 11-AUG-2009 21:48:35; Dark ; 69.5; 13; 87Alp Tau ; 0.87; 3800;occ; 139; 0;38946
17; 4974.2; 11-AUG-2009 21:50:25; Dark ; 49.5; 27; 24Gam Ori ; 1.64; 26000;occ; 99; 0;38946
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4; 140.4; 11-AUG-2009 22:10:27; Dark ; 51.0; 157; The1Eri ; 2.91; 9300;occ; 102; 0;38947
5; 748.0; 11-AUG-2009 22:20:35; Dark ; 52.0; 84; Alp Phe ; 2.40; 4500;occ; 104; 0;38947
6; 1224.8; 11-AUG-2009 22:28:32; Dark ; 54.5; 18; 24Alp PsA ; 1.17; 9700;occ; 109; 0;38947
7; 1585.3; 11-AUG-2009 22:34:32; Bright; 45.5; 142; 49Del Cap ; 2.85; 8900;occ; 91; 0;38947
8; 1802.8; 11-AUG-2009 22:38:10; Bright; 44.0; 154; 22Bet Aqr ; 2.90; 5700;occ; 88; 0;38947
9; 1939.9; 11-AUG-2009 22:40:27; Bright; 51.5; 162; 34Alp Aqr ; 2.94; 5350;occ; 103; 0;38947
10; 2136.3; 11-AUG-2009 22:43:43; Bright; 48.5; 61; 8Eps Peg ; 2.10; 3900;occ; 97; 0;38947
11; 2517.3; 11-AUG-2009 22:50:04; Bright; 38.0; 92; 53Eps Cyg ; 2.50; 4500;occ; 76; 0;38947
12; 2709.1; 11-AUG-2009 22:53:16; Bright; 39.0; 19; 50Alp Cyg ; 1.25; 10500;occ; 78; 0;38947
13; 3033.5; 11-AUG-2009 22:58:40; Bright; 39.5; 89; 5Alp Cep ; 2.45; 8000;occ; 79; 0;38947
14; 3353.0; 11-AUG-2009 23:04:00; Bright; 49.5; 74; 11Bet Cas ; 2.27; 6600;occ; 99; 0;38947
15; 3483.9; 11-AUG-2009 23:06:11; Bright; 47.5; 76; 27Gam Cas ; 2.30; 30000;occ; 95; 0;38947
16; 3910.2; 11-AUG-2009 23:13:17; Bright; 53.0; 160; 23Gam Per ; 2.93; 4700;occ; 106; 0;38947
17; 4023.6; 11-AUG-2009 23:15:11; Bright; 42.0; 35; 33Alp Per ; 1.79; 6250;occ; 84; 0;38947
18; 4098.0; 11-AUG-2009 23:16:25; Bright; 64.0; 175; 39Del Per ; 3.01; 19400;occ; 128; 0;38947
19; 4541.8; 11-AUG-2009 23:23:49; Dark ; 48.5; 28; 12Bet Tau ; 1.65; 15200;occ; 97; 0;38947
20; 4677.4; 11-AUG-2009 23:26:04; Dark ; 45.0; 176; 23Zet Tau ; 3.02; 22000;occ; 90; 0;38947
21; 4864.9; 11-AUG-2009 23:29:12; Dark ; 74.5; 13; 87Alp Tau ; 0.87; 3800;occ; 149; 0;38947
22; 4974.7; 11-AUG-2009 23:31:02; Dark ; 50.5; 27; 24Gam Ori ; 1.64; 26000;occ; 101; 0;38947
23; 5090.4; 11-AUG-2009 23:32:57; Dark ; 47.0; 30; 46Eps Ori ; 1.69; 30000;occ; 94; 0;38947
24; 5173.7; 11-AUG-2009 23:34:21; Dark ; 45.5; 125; 44Iot Ori ; 2.77; 30000;occ; 91; 0;38947
25; 5259.4; 11-AUG-2009 23:35:46; Dark ; 61.0; 7; 19Bet Ori ; 0.10; 14000;occ; 122; 0;38947

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3; 141.4; 11-AUG-2009 23:51:04; Dark ; 49.0; 157; The1Eri ; 2.91; 9300;occ; 98; 0;38948
4; 748.8; 12-AUG-2009 00:01:12; Dark ; 54.0; 84; Alp Phe ; 2.40; 4500;occ; 108; 0;38948
5; 1225.3; 12-AUG-2009 00:09:08; Dark ; 56.5; 18; 24Alp PsA ; 1.17; 9700;occ; 113; 0;38948
6; 1585.7; 12-AUG-2009 00:15:09; Bright; 44.5; 142; 49Del Cap ; 2.85; 8900;occ; 89; 0;38948
7; 1802.4; 12-AUG-2009 00:18:45; Bright; 59.5; 154; 22Bet Aqr ; 2.90; 5700;occ; 119; 0;38948
8; 1939.6; 12-AUG-2009 00:21:02; Bright; 51.0; 162; 34Alp Aqr ; 2.94; 5350;occ; 102; 0;38948
9; 2135.7; 12-AUG-2009 00:24:18; Bright; 47.5; 61; 8Eps Peg ; 2.10; 3900;occ; 95; 0;38948
10; 2516.8; 12-AUG-2009 00:30:40; Bright; 36.5; 92; 53Eps Cyg ; 2.50; 4500;occ; 73; 0;38948
11; 2708.9; 12-AUG-2009 00:33:52; Bright; 35.5; 19; 50Alp Cyg ; 1.25; 10500;occ; 71; 0;38948
12; 3033.3; 12-AUG-2009 00:39:16; Bright; 38.5; 89; 5Alp Cep ; 2.45; 8000;occ; 77; 0;38948
13; 3352.1; 12-AUG-2009 00:44:35; Bright; 46.0; 74; 11Bet Cas ; 2.27; 6600;occ; 92; 0;38948
14; 3483.2; 12-AUG-2009 00:46:46; Bright; 50.5; 76; 27Gam Cas ; 2.30; 30000;occ; 101; 0;38948
15; 3909.6; 12-AUG-2009 00:53:52; Bright; 51.5; 160; 23Gam Per ; 2.93; 4700;occ; 103; 0;38948
16; 4023.4; 12-AUG-2009 00:55:46; Bright; 38.0; 35; 33Alp Per ; 1.79; 6250;occ; 76; 0;38948
17; 4097.8; 12-AUG-2009 00:57:01; Bright; 75.0; 175; 39Del Per ; 3.01; 19400;occ; 150; 0;38948
18; 4542.0; 12-AUG-2009 01:04:25; Dark ; 50.5; 28; 12Bet Tau ; 1.65; 15200;occ; 101; 0;38948
19; 4677.7; 12-AUG-2009 01:06:40; Dark ; 45.0; 176; 23Zet Tau ; 3.02; 22000;occ; 90; 0;38948
20; 4865.5; 12-AUG-2009 01:09:48; Dark ; 78.0; 13; 87Alp Tau ; 0.87; 3800;occ; 156; 0;38948
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
24; 5260.0; 12-AUG-2009 01:16:23; Dark ; 51.5; 7; 19Bet Ori ; 0.10; 14000;occ; 103; 0;38948

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 2; -2007.8; 11-AUG-2009 06:29:16; Bright; 56.0; 35; 33Alp Per ; 1.79; 6250;occ; 112; 0;38937
 3; -1837.6; 11-AUG-2009 06:32:06; Bright; 47.0; 6; 13Alp Aur ; 0.08; 3400;occ; 94; 0;38937
 4; -1496.0; 11-AUG-2009 06:37:48; Dark ; 49.0; 28; 12Bet Tau ; 1.65; 15200;occ; 98; 0;38937
 5; -1361.3; 11-AUG-2009 06:40:02; Dark ; 44.0; 176; 23Zet Tau ; 3.02; 22000;occ; 88; 0;38937
 6; -1176.7; 11-AUG-2009 06:43:07; Dark ; 69.0; 13; 87Alp Tau ; 0.87; 3800;occ; 138; 0;38937
 7; -1066.2; 11-AUG-2009 06:44:57; Dark ; 45.5; 27; 24Gam Ori ; 1.64; 26000;occ; 91; 0;38937
 8; -950.5; 11-AUG-2009 06:46:53; Dark ; 45.0; 30; 46Eps Ori ; 1.69; 30000;occ; 90; 0;38937
 9; -783.2; 11-AUG-2009 06:49:40; Dark ; 54.0; 7; 19Bet Ori ; 0.10; 14000;occ; 108; 0;38937
 10; -417.6; 11-AUG-2009 06:55:46; Dark ; 68.5; 165; 34Gam Eri ; 2.95; 3200;occ; 137; 0;38937
 11; -186.5; 11-AUG-2009 06:59:37; Dark ; 59.0; 0; ; 0.00; 0;occ; 118; 0;38937
 12; 130.0; 11-AUG-2009 07:04:54; Dark ; 50.0; 157; The1Eri ; 2.91; 9300;occ; 100; 0;38938
 13; 740.0; 11-AUG-2009 07:15:04; Dark ; 62.5; 84; Alp Phe ; 2.40; 4500;occ; 125; 0;38938
 14; 1220.4; 11-AUG-2009 07:23:04; Dark ; 57.5; 18; 24Alp PsA ; 1.17; 9700;occ; 115; 0;38938
 15; 1584.5; 11-AUG-2009 07:29:08; Bright; 63.5; 142; 49Del Cap ; 2.85; 8900;occ; 127; 0;38938

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 2; 1942.9; 11-AUG-2009 07:35:06; Bright; 53.0; 162; 34Alp Aqr ; 2.94; 5350;occ; 106; 0;38938
 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
 18; 5619.8; 11-AUG-2009 08:36:23; Dark ; 62.5; 165; 34Gam Eri ; 2.95; 3200;occ; 125; 0;38938
 19; 5850.3; 11-AUG-2009 08:40:14; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;38938
 20; 6167.2; 11-AUG-2009 08:45:31; Dark ; 49.0; 157; The1Eri ; 2.91; 9300;occ; 98; 0;38938
 21; 6776.7; 11-AUG-2009 08:55:40; Dark ; 55.5; 84; Alp Phe ; 2.40; 4500;occ; 111; 0;38938
 22; 7256.7; 11-AUG-2009 09:03:40; Dark ; 56.0; 18; 24Alp PsA ; 1.17; 9700;occ; 112; 0;38938
 23; 7620.5; 11-AUG-2009 09:09:44; Bright; 49.0; 142; 49Del Cap ; 2.85; 8900;occ; 98; 0;38938

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 3; 2139.6; 11-AUG-2009 09:18:59; Bright; 47.5; 61; 8Eps Peg ; 2.10; 3900;occ; 95; 0;38939
 4; 2519.4; 11-AUG-2009 09:25:19; Bright; 39.5; 92; 53Eps Cyg ; 2.50; 4500;occ; 79; 0;38939
 5; 2711.1; 11-AUG-2009 09:28:31; Bright; 39.5; 19; 50Alp Cyg ; 1.25; 10500;occ; 79; 0;38939
 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
 12; 4540.3; 11-AUG-2009 09:59:00; Dark ; 46.5; 28; 12Bet Tau ; 1.65; 15200;occ; 93; 0;38939
 13; 4675.3; 11-AUG-2009 10:01:15; Dark ; 43.5; 176; 23Zet Tau ; 3.02; 22000;occ; 87; 0;38939
 14; 4860.3; 11-AUG-2009 10:04:20; Dark ; 66.5; 13; 87Alp Tau ; 0.87; 3800;occ; 133; 0;38939
 15; 4970.7; 11-AUG-2009 10:06:10; Dark ; 46.5; 27; 24Gam Ori ; 1.64; 26000;occ; 93; 0;38939
 16; 5086.5; 11-AUG-2009 10:08:06; Dark ; 46.0; 30; 46Eps Ori ; 1.69; 30000;occ; 92; 0;38939
 17; 5254.1; 11-AUG-2009 10:10:54; Dark ; 53.0; 7; 19Bet Ori ; 0.10; 14000;occ; 106; 0;38939
 18; 5621.2; 11-AUG-2009 10:17:01; Dark ; 72.5; 165; 34Gam Eri ; 2.95; 3200;occ; 145; 0;38939
 19; 5851.1; 11-AUG-2009 10:20:51; Dark ; 59.0; 0; ; 0.00; 0;occ; 118; 0;38939
 20; 6168.4; 11-AUG-2009 10:26:08; Dark ; 50.0; 157; The1Eri ; 2.91; 9300;occ; 100; 0;38939
 21; 6777.5; 11-AUG-2009 10:36:17; Dark ; 55.5; 84; Alp Phe ; 2.40; 4500;occ; 111; 0;38939
 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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 3; 2139.2; 11-AUG-2009 10:59:35; Bright; 46.0; 61; 8Eps Peg ; 2.10; 3900;occ; 92; 0;38940

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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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8; 3489.3; 11-AUG-2009 11:22:05; Bright; 48.5; 76; 27Gam Cas ; 2.30; 30000;occ; 97; 0;38940
9; 3913.7; 11-AUG-2009 11:29:09; Bright; 70.5; 160; 23Gam Per ; 2.93; 4700;occ; 141; 0;38940
10; 4026.9; 11-AUG-2009 11:31:02; Bright; 54.0; 35; 33Alp Per ; 1.79; 6250;occ; 108; 0;38940
11; 4100.5; 11-AUG-2009 11:32:16; Bright; 75.0; 175; 39Del Per ; 3.01; 19400;occ; 150; 0;38940
12; 4540.6; 11-AUG-2009 11:39:36; Dark ; 48.5; 28; 12Bet Tau ; 1.65; 15200;occ; 97; 0;38940
13; 4675.3; 11-AUG-2009 11:41:51; Dark ; 44.0; 176; 23Zet Tau ; 3.02; 22000;occ; 88; 0;38940
14; 4860.8; 11-AUG-2009 11:44:56; Dark ; 76.5; 13; 87Alp Tau ; 0.87; 3800;occ; 153; 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
17; 5254.8; 11-AUG-2009 11:51:30; Dark ; 50.0; 7; 19Bet Ori ; 0.10; 14000;occ; 100; 0;38940
18; 5622.6; 11-AUG-2009 11:57:38; Dark ; 66.5; 165; 34Gam Eri ; 2.95; 3200;occ; 133; 0;38940
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11; 4100.2; 11-AUG-2009 13:12:51; Bright; 75.0; 175; 39Del Per ; 3.01; 19400;occ; 150; 0;38941
12; 4540.7; 11-AUG-2009 13:20:12; Dark ; 50.0; 28; 12Bet Tau ; 1.65; 15200;occ; 100; 0;38941
13; 4675.9; 11-AUG-2009 13:22:27; Dark ; 43.5; 176; 23Zet Tau ; 3.02; 22000;occ; 87; 0;38941
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19; 5852.9; 11-AUG-2009 13:42:04; Dark ; 59.0; 0; ; 0.00; 0;occ; 118; 0;38941
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21; 6779.4; 11-AUG-2009 13:57:31; Dark ; 52.5; 84; Alp Phe ; 2.40; 4500;occ; 105; 0;38941
22; 7258.3; 11-AUG-2009 14:05:30; Dark ; 58.5; 18; 24Alp PsA ; 1.17; 9700;occ; 117; 0;38941
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13; 146.1; 12-AUG-2009 06:33:33; Dark ; 50.0; 157; The1Eri ; 2.91; 9300;occ; 100; 0;38952
14; 752.7; 12-AUG-2009 06:43:39; Dark ; 53.0; 84; Alp Phe ; 2.40; 4500;occ; 106; 0;38952
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16; 1586.1; 12-AUG-2009 06:57:33; Bright; 44.5; 142; 49Del Cap ; 2.85; 8900;occ; 89; 0;38952
17; 1802.5; 12-AUG-2009 07:01:09; Bright; 44.5; 154; 22Bet Aqr ; 2.90; 5700;occ; 89; 0;38952
18; 1938.3; 12-AUG-2009 07:03:25; Bright; 51.5; 162; 34Alp Aqr ; 2.94; 5350;occ; 103; 0;38952
19; 2134.1; 12-AUG-2009 07:06:41; Bright; 47.0; 61; 8Eps Peg ; 2.10; 3900;occ; 94; 0;38952
20; 2515.8; 12-AUG-2009 07:13:02; Bright; 40.0; 92; 53Eps Cyg ; 2.50; 4500;occ; 80; 0;38952
21; 2707.8; 12-AUG-2009 07:16:14; Bright; 39.0; 19; 50Alp Cyg ; 1.25; 10500;occ; 78; 0;38952
22; 3032.0; 12-AUG-2009 07:21:39; Bright; 38.5; 89; 5Alp Cep ; 2.45; 8000;occ; 77; 0;38952
23; 3349.0; 12-AUG-2009 07:26:56; Bright; 47.0; 74; 11Bet Cas ; 2.27; 6600;occ; 94; 0;38952
24; 3480.3; 12-AUG-2009 07:29:07; Bright; 47.0; 76; 27Gam Cas ; 2.30; 30000;occ; 94; 0;38952
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2; 1587.0; 12-AUG-2009 20:22:21; Bright; 45.0; 142; 49Del Cap ; 2.85; 8900;occ; 90; 0;38960
3; 1802.0; 12-AUG-2009 20:25:56; Bright; 42.5; 154; 22Bet Aqr ; 2.90; 5700;occ; 85; 0;38960
4; 1935.7; 12-AUG-2009 20:28:10; Bright; 50.0; 162; 34Alp Aqr ; 2.94; 5350;occ; 100; 0;38960
5; 2130.9; 12-AUG-2009 20:31:25; Bright; 45.0; 61; 8Eps Peg ; 2.10; 3900;occ; 90; 0;38960
6; 2513.8; 12-AUG-2009 20:37:48; Bright; 37.5; 92; 53Eps Cyg ; 2.50; 4500;occ; 75; 0;38960
7; 3029.5; 12-AUG-2009 20:46:24; Bright; 39.5; 89; 5Alp Cep ; 2.45; 8000;occ; 79; 0;38960
8; 3342.5; 12-AUG-2009 20:51:36; Bright; 49.5; 74; 11Bet Cas ; 2.27; 6600;occ; 99; 0;38960
9; 3474.2; 12-AUG-2009 20:53:48; Bright; 49.0; 76; 27Gam Cas ; 2.30; 30000;occ; 98; 0;38960
10; 3903.1; 12-AUG-2009 21:00:57; Bright; 53.5; 160; 23Gam Per ; 2.93; 4700;occ; 107; 0;38960
11; 4093.6; 12-AUG-2009 21:04:08; Bright; 47.5; 175; 39Del Per ; 3.01; 19400;occ; 95; 0;38960
12; 4197.0; 12-AUG-2009 21:05:51; Bright; 51.0; 6; 13Alp Aur ; 0.08; 3400;occ; 102; 0;38960
13; 4544.2; 12-AUG-2009 21:11:38; Dark ; 52.0; 28; 12Bet Tau ; 1.65; 15200;occ; 104; 0;38960
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17; 5097.3; 12-AUG-2009 21:20:51; Dark ; 45.5; 30; 46Eps Ori ; 1.69; 30000;occ; 91; 0;38960
18; 5181.2; 12-AUG-2009 21:22:15; Dark ; 44.5; 125; 44Iot Ori ; 2.77; 30000;occ; 89; 0;38960
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3; 156.3; 12-AUG-2009 21:39:06; Dark ; 51.5; 157; The1Eri ; 2.91; 9300;occ; 103; 0;38961
4; 760.6; 12-AUG-2009 21:49:10; Dark ; 60.5; 84; Alp Phe ; 2.40; 4500;occ; 121; 0;38961
5; 1231.7; 12-AUG-2009 21:57:02; Dark ; 55.0; 18; 24Alp PsA ; 1.17; 9700;occ; 110; 0;38961
6; 1587.1; 12-AUG-2009 22:02:57; Bright; 62.0; 142; 49Del Cap ; 2.85; 8900;occ; 124; 0;38961
7; 1802.1; 12-AUG-2009 22:06:32; Bright; 43.0; 154; 22Bet Aqr ; 2.90; 5700;occ; 86; 0;38961
8; 1935.6; 12-AUG-2009 22:08:45; Bright; 51.0; 162; 34Alp Aqr ; 2.94; 5350;occ; 102; 0;38961
9; 2130.4; 12-AUG-2009 22:12:00; Bright; 68.0; 61; 8Eps Peg ; 2.10; 3900;occ; 136; 0;38961
10; 2513.4; 12-AUG-2009 22:18:23; Bright; 38.0; 92; 53Eps Cyg ; 2.50; 4500;occ; 76; 0;38961
11; 3029.2; 12-AUG-2009 22:26:59; Bright; 39.5; 89; 5Alp Cep ; 2.45; 8000;occ; 79; 0;38961
12; 3341.9; 12-AUG-2009 22:32:12; Bright; 46.0; 74; 11Bet Cas ; 2.27; 6600;occ; 92; 0;38961
13; 3473.5; 12-AUG-2009 22:34:23; Bright; 45.0; 76; 27Gam Cas ; 2.30; 30000;occ; 90; 0;38961
14; 3902.5; 12-AUG-2009 22:41:32; Bright; 52.0; 160; 23Gam Per ; 2.93; 4700;occ; 104; 0;38961
15; 4093.2; 12-AUG-2009 22:44:43; Bright; 51.5; 175; 39Del Per ; 3.01; 19400;occ; 103; 0;38961
16; 4196.8; 12-AUG-2009 22:46:27; Bright; 48.0; 6; 13Alp Aur ; 0.08; 3400;occ; 96; 0;38961
17; 4544.4; 12-AUG-2009 22:52:14; Dark ; 50.0; 28; 12Bet Tau ; 1.65; 15200;occ; 100; 0;38961
18; 4681.3; 12-AUG-2009 22:54:31; Dark ; 45.5; 176; 23Zet Tau ; 3.02; 22000;occ; 91; 0;38961
19; 4873.6; 12-AUG-2009 22:57:44; Dark ; 72.5; 13; 87Alp Tau ; 0.87; 3800;occ; 145; 0;38961
20; 4981.8; 12-AUG-2009 22:59:32; Dark ; 48.5; 27; 24Gam Ori ; 1.64; 26000;occ; 97; 0;38961
21; 5097.9; 12-AUG-2009 23:01:28; Dark ; 50.0; 30; 46Eps Ori ; 1.69; 30000;occ; 100; 0;38961
22; 5181.6; 12-AUG-2009 23:02:52; Dark ; 44.0; 125; 44Iot Ori ; 2.77; 30000;occ; 88; 0;38961
23; 5269.0; 12-AUG-2009 23:04:19; Dark ; 48.5; 7; 19Bet Ori ; 0.10; 14000;occ; 97; 0;38961
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3; 157.6; 12-AUG-2009 23:19:43; Dark ; 50.0; 157; The1Eri ; 2.91; 9300;occ; 100; 0;38962
4; 761.6; 12-AUG-2009 23:29:47; Dark ; 62.0; 84; Alp Phe ; 2.40; 4500;occ; 124; 0;38962
5; 1231.7; 12-AUG-2009 23:37:37; Dark ; 55.0; 18; 24Alp PsA ; 1.17; 9700;occ; 110; 0;38962
6; 1587.2; 12-AUG-2009 23:43:33; Bright; 44.5; 142; 49Del Cap ; 2.85; 8900;occ; 89; 0;38962
7; 1801.9; 12-AUG-2009 23:47:08; Bright; 43.0; 154; 22Bet Aqr ; 2.90; 5700;occ; 86; 0;38962
8; 1935.1; 12-AUG-2009 23:49:21; Bright; 50.5; 162; 34Alp Aqr ; 2.94; 5350;occ; 101; 0;38962
9; 2129.9; 12-AUG-2009 23:52:36; Bright; 47.0; 61; 8Eps Peg ; 2.10; 3900;occ; 94; 0;38962
10; 2513.1; 12-AUG-2009 23:58:59; Bright; 36.5; 92; 53Eps Cyg ; 2.50; 4500;occ; 73; 0;38962
11; 3029.0; 13-AUG-2009 00:07:35; Bright; 38.0; 89; 5Alp Cep ; 2.45; 8000;occ; 76; 0;38962
12; 3340.9; 13-AUG-2009 00:12:47; Bright; 46.5; 74; 11Bet Cas ; 2.27; 6600;occ; 93; 0;38962
13; 3472.8; 13-AUG-2009 00:14:59; Bright; 47.5; 76; 27Gam Cas ; 2.30; 30000;occ; 95; 0;38962
14; 3902.0; 13-AUG-2009 00:22:08; Bright; 51.5; 160; 23Gam Per ; 2.93; 4700;occ; 103; 0;38962
15; 4092.7; 13-AUG-2009 00:25:18; Bright; 48.0; 175; 39Del Per ; 3.01; 19400;occ; 96; 0;38962
16; 4196.7; 13-AUG-2009 00:27:02; Bright; 49.0; 6; 13Alp Aur ; 0.08; 3400;occ; 98; 0;38962
17; 4544.7; 13-AUG-2009 00:32:50; Dark ; 50.0; 28; 12Bet Tau ; 1.65; 15200;occ; 100; 0;38962
18; 4681.7; 13-AUG-2009 00:35:07; Dark ; 47.0; 176; 23Zet Tau ; 3.02; 22000;occ; 94; 0;38962
19; 4874.3; 13-AUG-2009 00:38:20; Dark ; 79.0; 13; 87Alp Tau ; 0.87; 3800;occ; 158; 0;38962
20; 4982.3; 13-AUG-2009 00:40:08; Dark ; 50.0; 27; 24Gam Ori ; 1.64; 26000;occ; 100; 0;38962
21; 5098.4; 13-AUG-2009 00:42:04; Dark ; 45.5; 30; 46Eps Ori ; 1.69; 30000;occ; 91; 0;38962
22; 5182.1; 13-AUG-2009 00:43:28; Dark ; 45.5; 125; 44Iot Ori ; 2.77; 30000;occ; 91; 0;38962
23; 5269.7; 13-AUG-2009 00:44:55; Dark ; 52.5; 7; 19Bet Ori ; 0.10; 14000;occ; 105; 0;38962

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2;-2014.2; 12-AUG-2009 07:38:08; Bright; 29.0; 35; 33Alp Per ; 1.79; 6250;occ; 58; 0;38952
3;-1939.4; 12-AUG-2009 07:39:23; Bright; 76.0; 175; 39Del Per ; 3.01; 19400;occ; 152; 0;38952
4;-1493.2; 12-AUG-2009 07:46:49; Dark ; 46.5; 28; 12Bet Tau ; 1.65; 15200;occ; 93; 0;38952
5;-1357.0; 12-AUG-2009 07:49:05; Dark ; 43.5; 176; 23Zet Tau ; 3.02; 22000;occ; 87; 0;38952
6;-1167.7; 12-AUG-2009 07:52:15; Dark ; 65.5; 13; 87Alp Tau ; 0.87; 3800;occ; 131; 0;38952
7;-1058.7; 12-AUG-2009 07:54:04; Dark ; 44.0; 27; 24Gam Ori ; 1.64; 26000;occ; 88; 0;38952
8; -942.7; 12-AUG-2009 07:56:00; Dark ; 46.5; 30; 46Eps Ori ; 1.69; 30000;occ; 93; 0;38952
9; -859.2; 12-AUG-2009 07:57:23; Dark ; 44.0; 125; 44Iot Ori ; 2.77; 30000;occ; 88; 0;38952
10; -773.0; 12-AUG-2009 07:58:49; Dark ; 51.5; 7; 19Bet Ori ; 0.10; 14000;occ; 103; 0;38952
11; -395.7; 12-AUG-2009 08:05:07; Dark ; 49.0; 165; 34Gam Eri ; 2.95; 3200;occ; 98; 0;38952
12; -173.1; 12-AUG-2009 08:08:49; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;38952
13; 147.3; 12-AUG-2009 08:14:10; Dark ; 50.0; 157; The1Eri ; 2.91; 9300;occ; 100; 0;38953
14; 753.5; 12-AUG-2009 08:24:16; Dark ; 54.5; 84; Alp Phe ; 2.40; 4500;occ; 109; 0;38953
15; 1227.7; 12-AUG-2009 08:32:10; Dark ; 56.5; 18; 24Alp PsA ; 1.17; 9700;occ; 113; 0;38953
16; 1586.1; 12-AUG-2009 08:38:09; Bright; 44.0; 142; 49Del Cap ; 2.85; 8900;occ; 88; 0;38953

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


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7; 3347.3; 12-AUG-2009 10:48:06; Bright; 48.5; 74; 11Bet Cas ; 2.27; 6600;occ; 97; 0;38954
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16; 5094.2; 12-AUG-2009 11:17:13; Dark ; 42.5; 30; 46Eps Ori ; 1.69; 30000;occ; 85; 0;38954
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3; 1937.4; 12-AUG-2009 12:05:12; Bright; 50.5; 162; 34Alp Aqr ; 2.94; 5350;occ; 101; 0;38955
4; 2132.9; 12-AUG-2009 12:08:27; Bright; 49.0; 61; 8Eps Peg ; 2.10; 3900;occ; 98; 0;38955
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6; 2706.9; 12-AUG-2009 12:18:01; Bright; 56.0; 19; 50Alp Cyg ; 1.25; 10500;occ; 112; 0;38955
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 7; 3335.3; 13-AUG-2009 11:56:53; Bright; 48.0; 74; 11Bet Cas ; 2.27; 6600;occ; 96; 0;38969
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 9; 3898.0; 13-AUG-2009 12:06:15; Bright; 51.5; 160; 23Gam Per ; 2.93; 4700;occ; 103; 0;38969
 10; 4090.4; 13-AUG-2009 12:09:28; Bright; 53.0; 175; 39Del Per ; 3.01; 19400;occ; 106; 0;38969
 11; 4196.4; 13-AUG-2009 12:11:14; Bright; 47.5; 6; 13Alp Aur ; 0.08; 3400;occ; 95; 0;38969
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 4; 2126.8; 13-AUG-2009 13:17:20; Bright; 45.5; 61; 8Eps Peg ; 2.10; 3900;occ; 91; 0;38970
 5; 2511.0; 13-AUG-2009 13:23:44; Bright; 38.0; 92; 53Eps Cyg ; 2.50; 4500;occ; 76; 0;38970
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 8; 3897.6; 13-AUG-2009 13:46:51; Bright; 49.0; 160; 23Gam Per ; 2.93; 4700;occ; 98; 0;38970
 9; 4090.0; 13-AUG-2009 13:50:03; Bright; 48.0; 175; 39Del Per ; 3.01; 19400;occ; 96; 0;38970
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 11; 4364.2; 13-AUG-2009 13:54:37; Bright; 39.5; 107; 37The Aur ; 2.65; 11000;occ; 79; 0;38970
 12; 4546.0; 13-AUG-2009 13:57:39; Dark ; 49.5; 28; 12Bet Tau ; 1.65; 15200;occ; 99; 0;38970
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3; 1932.6; 13-AUG-2009 14:54:42; Bright; 50.0; 162; 34Alp Aqr ; 2.94; 5350;occ; 100; 0;38971
4; 2126.5; 13-AUG-2009 14:57:55; Bright; 47.0; 61; 8Eps Peg ; 2.10; 3900;occ; 94; 0;38971
5; 2511.0; 13-AUG-2009 15:04:20; Bright; 37.5; 92; 53Eps Cyg ; 2.50; 4500;occ; 75; 0;38971
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8; 3466.2; 13-AUG-2009 15:20:15; Bright; 48.5; 76; 27Gam Cas ; 2.30; 30000;occ; 97; 0;38971
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13; 4546.3; 13-AUG-2009 15:38:15; Dark ; 51.5; 28; 12Bet Tau ; 1.65; 15200;occ; 103; 0;38971
14; 4684.3; 13-AUG-2009 15:40:33; Dark ; 46.0; 176; 23Zet Tau ; 3.02; 22000;occ; 92; 0;38971
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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
6; 2510.6; 13-AUG-2009 16:44:56; Bright; 38.0; 92; 53Eps Cyg ; 2.50; 4500;occ; 76; 0;38972
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9; 3465.4; 13-AUG-2009 17:00:50; Bright; 48.0; 76; 27Gam Cas ; 2.30; 30000;occ; 96; 0;38972
10; 3896.5; 13-AUG-2009 17:08:01; Bright; 46.0; 160; 23Gam Per ; 2.93; 4700;occ; 92; 0;38972
11; 4089.4; 13-AUG-2009 17:11:14; Bright; 43.0; 175; 39Del Per ; 3.01; 19400;occ; 86; 0;38972
12; 4196.2; 13-AUG-2009 17:13:01; Bright; 47.0; 6; 13Alp Aur ; 0.08; 3400;occ; 94; 0;38972
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18; 5103.8; 13-AUG-2009 17:28:09; Dark ; 46.0; 30; 46Eps Ori ; 1.69; 30000;occ; 92; 0;38972
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22; 6206.1; 13-AUG-2009 17:46:31; Dark ; 51.5; 157; The1Eri ; 2.91; 9300;occ; 103; 0;38972
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3; 1801.3; 13-AUG-2009 18:13:42; Bright; 43.0; 154; 22Bet Aqr ; 2.90; 5700;occ; 86; 0;38973
4; 1931.9; 13-AUG-2009 18:15:53; Bright; 72.0; 162; 34Alp Aqr ; 2.94; 5350;occ; 144; 0;38973
5; 2125.8; 13-AUG-2009 18:19:07; Bright; 56.5; 61; 8Eps Peg ; 2.10; 3900;occ; 113; 0;38973
6; 2510.5; 13-AUG-2009 18:25:31; Bright; 37.5; 92; 53Eps Cyg ; 2.50; 4500;occ; 75; 0;38973
7; 3025.6; 13-AUG-2009 18:34:07; Bright; 39.5; 89; 5Alp Cep ; 2.45; 8000;occ; 79; 0;38973
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9; 3464.6; 13-AUG-2009 18:41:26; Bright; 49.0; 76; 27Gam Cas ; 2.30; 30000;occ; 98; 0;38973
10; 3895.9; 13-AUG-2009 18:48:37; Bright; 46.0; 160; 23Gam Per ; 2.93; 4700;occ; 92; 0;38973
11; 4088.8; 13-AUG-2009 18:51:50; Bright; 43.0; 175; 39Del Per ; 3.01; 19400;occ; 86; 0;38973
12; 4196.2; 13-AUG-2009 18:53:37; Bright; 47.5; 6; 13Alp Aur ; 0.08; 3400;occ; 95; 0;38973
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16; 4881.3; 13-AUG-2009 19:05:02; Dark ; 63.0; 13; 87Alp Tau ; 0.87; 3800;occ; 126; 0;38973
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3; 1240.3; 14-AUG-2009 05:48:33; Dark ; 54.5; 18; 24Alp PsA ; 1.17; 9700;occ; 109; 0;38980
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5; 1801.0; 14-AUG-2009 05:57:53; Bright; 41.0; 154; 22Bet Aqr ; 2.90; 5700;occ; 82; 0;38980
6; 1929.9; 14-AUG-2009 06:00:02; Bright; 49.5; 162; 34Alp Aqr ; 2.94; 5350;occ; 99; 0;38980
7; 2123.1; 14-AUG-2009 06:03:16; Bright; 66.0; 61; 8Eps Peg ; 2.10; 3900;occ; 132; 0;38980
8; 2508.7; 14-AUG-2009 06:09:41; Bright; 37.0; 92; 53Eps Cyg ; 2.50; 4500;occ; 74; 0;38980
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2; 1590.0; 14-AUG-2009 20:59:46; Bright; 40.5; 142; 49Del Cap ; 2.85; 8900;occ; 81; 0;38989
3; 1800.6; 14-AUG-2009 21:03:16; Bright; 42.0; 154; 22Bet Aqr ; 2.90; 5700;occ; 84; 0;38989
4; 1927.4; 14-AUG-2009 21:05:23; Bright; 49.0; 162; 34Alp Aqr ; 2.94; 5350;occ; 98; 0;38989
5; 2119.9; 14-AUG-2009 21:08:36; Bright; 47.0; 61; 8Eps Peg ; 2.10; 3900;occ; 94; 0;38989
6; 2511.5; 14-AUG-2009 21:15:07; Bright; 33.0; 92; 53Eps Cyg ; 2.50; 4500;occ; 66; 0;38989
7; 3021.1; 14-AUG-2009 21:23:37; Bright; 38.5; 89; 5Alp Cep ; 2.45; 8000;occ; 77; 0;38989
8; 3319.7; 14-AUG-2009 21:28:36; Bright; 50.0; 74; 11Bet Cas ; 2.27; 6600;occ; 100; 0;38989
9; 3452.6; 14-AUG-2009 21:30:48; Bright; 47.5; 76; 27Gam Cas ; 2.30; 30000;occ; 95; 0;38989
10; 4194.8; 14-AUG-2009 21:43:11; Bright; 50.0; 6; 13Alp Aur ; 0.08; 3400;occ; 100; 0;38989
11; 4365.8; 14-AUG-2009 21:46:02; Bright; 42.0; 107; 37The Aur ; 2.65; 11000;occ; 84; 0;38989
12; 4549.7; 14-AUG-2009 21:49:06; Dark ; 52.5; 28; 12Bet Tau ; 1.65; 15200;occ; 105; 0;38989
13; 4689.3; 14-AUG-2009 21:51:25; Dark ; 45.5; 176; 23Zet Tau ; 3.02; 22000;occ; 91; 0;38989
14; 4924.6; 14-AUG-2009 21:55:21; Dark ; 50.5; 14; 58Alp Ori ; 0.87; 3000;occ; 101; 0;38989
15; 5113.3; 14-AUG-2009 21:58:29; Dark ; 48.0; 30; 46Eps Ori ; 1.69; 30000;occ; 96; 0;38989
16; 5197.9; 14-AUG-2009 21:59:54; Dark ; 45.5; 125; 44Iot Ori ; 2.77; 30000;occ; 91; 0;38989
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5; 786.0; 14-AUG-2009 22:26:58; Dark ; 56.5; 84; Alp Phe ; 2.40; 4500;occ; 113; 0;38990
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
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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
15; 4365.7; 14-AUG-2009 23:26:37; Bright; 40.0; 107; 37The Aur ; 2.65; 11000;occ; 80; 0;38990
16; 4549.7; 14-AUG-2009 23:29:41; Dark ; 52.0; 28; 12Bet Tau ; 1.65; 15200;occ; 104; 0;38990
17; 4689.8; 14-AUG-2009 23:32:01; Dark ; 47.0; 176; 23Zet Tau ; 3.02; 22000;occ; 94; 0;38990
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19; 5113.8; 14-AUG-2009 23:39:06; Dark ; 48.5; 30; 46Eps Ori ; 1.69; 30000;occ; 97; 0;38990
20; 5198.5; 14-AUG-2009 23:40:30; Dark ; 45.5; 125; 44Iot Ori ; 2.77; 30000;occ; 91; 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
5; 1245.0; 15-AUG-2009 00:15:13; Dark ; 54.5; 18; 24Alp PsA ; 1.17; 9700;occ; 109; 0;38991
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
9; 2119.2; 15-AUG-2009 00:29:47; Bright; 46.5; 61; 8Eps Peg ; 2.10; 3900;occ; 93; 0;38991
10; 3020.7; 15-AUG-2009 00:44:48; Bright; 39.0; 89; 5Alp Cep ; 2.45; 8000;occ; 78; 0;38991
11; 3318.1; 15-AUG-2009 00:49:46; Bright; 48.5; 74; 11Bet Cas ; 2.27; 6600;occ; 97; 0;38991
12; 3450.9; 15-AUG-2009 00:51:58; Bright; 48.0; 76; 27Gam Cas ; 2.30; 30000;occ; 96; 0;38991
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
17; 4925.4; 15-AUG-2009 01:16:33; Dark ; 59.0; 14; 58Alp Ori ; 0.87; 3000;occ; 118; 0;38991
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13; 179.3; 14-AUG-2009 07:11:28; Dark ; 51.0; 157; The1Eri ; 2.91; 9300;occ; 102; 0;38981
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4; 2508.3; 14-AUG-2009 07:50:17; Bright; 37.5; 92; 53Eps Cyg ; 2.50; 4500;occ; 75; 0;38981
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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
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8; 3890.1; 14-AUG-2009 11:34:30; Bright; 30.0; 160; 23Gam Per ; 2.93; 4700;occ; 60; 0;38983
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 5; 3445.1; 15-AUG-2009 14:16:40; Bright; 72.0; 76; 27Gam Cas ; 2.30; 30000;occ; 144; 0;38999
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2; 1918.8; 17-AUG-2009 09:26:48; Bright; 47.5; 162; 34Alp Aqr ; 2.94; 5350;occ; 95; 0;39025
3; 2108.5; 17-AUG-2009 09:29:58; Bright; 45.0; 61; 8Eps Peg ; 2.10; 3900;occ; 90; 0;39025
4; 3291.8; 17-AUG-2009 09:49:41; Bright; 48.5; 74; 11Bet Cas ; 2.27; 6600;occ; 97; 0;39025
5; 3425.3; 17-AUG-2009 09:51:54; Bright; 50.5; 76; 27Gam Cas ; 2.30; 30000;occ; 101; 0;39025
6; 4191.8; 17-AUG-2009 10:04:41; Bright; 48.5; 6; 13Alp Aur ; 0.08; 3400;occ; 97; 0;39025
7; 4368.4; 17-AUG-2009 10:07:38; Bright; 40.0; 107; 37The Aur ; 2.65; 11000;occ; 80; 0;39025
8; 4556.8; 17-AUG-2009 10:10:46; Dark ; 50.5; 28; 12Bet Tau ; 1.65; 15200;occ; 101; 0;39025
9; 4700.7; 17-AUG-2009 10:13:10; Dark ; 48.0; 176; 23Zet Tau ; 3.02; 22000;occ; 96; 0;39025
10; 4940.1; 17-AUG-2009 10:17:09; Dark ; 53.5; 14; 58Alp Ori ; 0.87; 3000;occ; 107; 0;39025
11; 5135.2; 17-AUG-2009 10:20:24; Dark ; 49.5; 30; 46Eps Ori ; 1.69; 30000;occ; 99; 0;39025
12; 5220.8; 17-AUG-2009 10:21:50; Dark ; 46.5; 125; 44Iot Ori ; 2.77; 30000;occ; 93; 0;39025
13; 5318.4; 17-AUG-2009 10:23:27; Dark ; 57.0; 7; 19Bet Ori ; 0.10; 14000;occ; 114; 0;39025
14; 5428.0; 17-AUG-2009 10:25:17; Dark ; 44.5; 101; 11Alp Lep ; 2.58; 7000;occ; 89; 0;39025
15; 5599.1; 17-AUG-2009 10:28:08; Dark ; 59.0; 0; ; 0.00; 0;occ; 118; 0;39025
16; 6268.4; 17-AUG-2009 10:39:18; Dark ; 48.0; 157; The1Eri ; 2.91; 9300;occ; 96; 0;39025
17; 6852.1; 17-AUG-2009 10:49:01; Dark ; 51.5; 84; Alp Phe ; 2.40; 4500;occ; 103; 0;39025
18; 7295.7; 17-AUG-2009 10:56:25; Dark ; 52.5; 18; 24Alp PsA ; 1.17; 9700;occ; 105; 0;39025
19; 7629.9; 17-AUG-2009 11:01:59; Bright; 42.0; 142; 49Del Cap ; 2.85; 8900;occ; 84; 0;39025

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2; 1918.4; 17-AUG-2009 11:07:23; Bright; 47.0; 162; 34Alp Aqr ; 2.94; 5350;occ; 94; 0;39026
3; 2108.1; 17-AUG-2009 11:10:33; Bright; 42.0; 61; 8Eps Peg ; 2.10; 3900;occ; 84; 0;39026
4; 3290.8; 17-AUG-2009 11:30:16; Bright; 47.5; 74; 11Bet Cas ; 2.27; 6600;occ; 95; 0;39026
5; 3424.7; 17-AUG-2009 11:32:30; Bright; 46.5; 76; 27Gam Cas ; 2.30; 30000;occ; 93; 0;39026
6; 4191.8; 17-AUG-2009 11:45:17; Bright; 49.0; 6; 13Alp Aur ; 0.08; 3400;occ; 98; 0;39026
7; 4368.5; 17-AUG-2009 11:48:13; Bright; 40.0; 107; 37The Aur ; 2.65; 11000;occ; 80; 0;39026
8; 4557.1; 17-AUG-2009 11:51:22; Dark ; 51.0; 28; 12Bet Tau ; 1.65; 15200;occ; 102; 0;39026
9; 4700.9; 17-AUG-2009 11:53:46; Dark ; 46.5; 176; 23Zet Tau ; 3.02; 22000;occ; 93; 0;39026
10; 4940.7; 17-AUG-2009 11:57:46; Dark ; 53.5; 14; 58Alp Ori ; 0.87; 3000;occ; 107; 0;39026
11; 5136.0; 17-AUG-2009 12:01:01; Dark ; 49.0; 30; 46Eps Ori ; 1.69; 30000;occ; 98; 0;39026
12; 5221.8; 17-AUG-2009 12:02:27; Dark ; 45.5; 125; 44Iot Ori ; 2.77; 30000;occ; 91; 0;39026
13; 5319.1; 17-AUG-2009 12:04:04; Dark ; 55.0; 7; 19Bet Ori ; 0.10; 14000;occ; 110; 0;39026
14; 5428.6; 17-AUG-2009 12:05:54; Dark ; 44.0; 101; 11Alp Lep ; 2.58; 7000;occ; 88; 0;39026
15; 5599.9; 17-AUG-2009 12:08:45; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;39026
16; 6269.5; 17-AUG-2009 12:19:54; Dark ; 51.5; 157; The1Eri ; 2.91; 9300;occ; 103; 0;39026
17; 6853.0; 17-AUG-2009 12:29:38; Dark ; 51.5; 84; Alp Phe ; 2.40; 4500;occ; 103; 0;39026
18; 7296.2; 17-AUG-2009 12:37:01; Dark ; 51.5; 18; 24Alp PsA ; 1.17; 9700;occ; 103; 0;39026
19; 7629.9; 17-AUG-2009 12:42:35; Bright; 28.0; 142; 49Del Cap ; 2.85; 8900;occ; 56; 0;39026

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2; 1799.4; 17-AUG-2009 12:46:00; Bright; 41.0; 154; 22Bet Aqr ; 2.90; 5700;occ; 82; 0;39027
3; 1918.3; 17-AUG-2009 12:47:59; Bright; 45.0; 162; 34Alp Aqr ; 2.94; 5350;occ; 90; 0;39027
4; 2107.8; 17-AUG-2009 12:51:09; Bright; 44.0; 61; 8Eps Peg ; 2.10; 3900;occ; 88; 0;39027
5; 3290.1; 17-AUG-2009 13:10:51; Bright; 45.0; 74; 11Bet Cas ; 2.27; 6600;occ; 90; 0;39027
6; 3423.9; 17-AUG-2009 13:13:05; Bright; 49.0; 76; 27Gam Cas ; 2.30; 30000;occ; 98; 0;39027
7; 4191.8; 17-AUG-2009 13:25:53; Bright; 63.0; 6; 13Alp Aur ; 0.08; 3400;occ; 126; 0;39027

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8; 4368.8; 17-AUG-2009 13:28:50; Bright; 40.0; 107; 37The Aur ; 2.65; 11000;occ; 80; 0;39027
9; 4557.3; 17-AUG-2009 13:31:58; Dark ; 52.0; 28; 12Bet Tau ; 1.65; 15200;occ; 104; 0;39027
10; 4701.3; 17-AUG-2009 13:34:22; Dark ; 48.5; 176; 23Zet Tau ; 3.02; 22000;occ; 97; 0;39027
11; 4941.1; 17-AUG-2009 13:38:22; Dark ; 52.5; 14; 58Alp Ori ; 0.87; 3000;occ; 105; 0;39027
12; 5136.5; 17-AUG-2009 13:41:37; Dark ; 48.5; 30; 46Eps Ori ; 1.69; 30000;occ; 97; 0;39027
13; 5222.5; 17-AUG-2009 13:43:03; Dark ; 46.5; 125; 44Iot Ori ; 2.77; 30000;occ; 93; 0;39027
14; 5320.0; 17-AUG-2009 13:44:41; Dark ; 56.5; 7; 19Bet Ori ; 0.10; 14000;occ; 113; 0;39027
15; 5429.5; 17-AUG-2009 13:46:30; Dark ; 47.5; 101; 11Alp Lep ; 2.58; 7000;occ; 95; 0;39027
16; 5600.6; 17-AUG-2009 13:49:21; Dark ; 59.0; 0; ; 0.00; 0;occ; 118; 0;39027
17; 6270.8; 17-AUG-2009 14:00:32; Dark ; 51.0; 157; The1Eri ; 2.91; 9300;occ; 102; 0;39027
18; 6853.8; 17-AUG-2009 14:10:15; Dark ; 53.0; 84; Alp Phe ; 2.40; 4500;occ; 106; 0;39027
19; 7296.6; 17-AUG-2009 14:17:37; Dark ; 50.5; 18; 24Alp PsA ; 1.17; 9700;occ; 101; 0;39027
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3; 1918.1; 17-AUG-2009 14:28:35; Bright; 47.0; 162; 34Alp Aqr ; 2.94; 5350;occ; 94; 0;39028
4; 2107.6; 17-AUG-2009 14:31:44; Bright; 43.5; 61; 8Eps Peg ; 2.10; 3900;occ; 87; 0;39028
5; 3289.7; 17-AUG-2009 14:51:26; Bright; 45.0; 74; 11Bet Cas ; 2.27; 6600;occ; 90; 0;39028
6; 3423.3; 17-AUG-2009 14:53:40; Bright; 47.0; 76; 27Gam Cas ; 2.30; 30000;occ; 94; 0;39028
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8; 4368.9; 17-AUG-2009 15:09:26; Bright; 39.5; 107; 37The Aur ; 2.65; 11000;occ; 79; 0;39028
9; 4557.5; 17-AUG-2009 15:12:34; Dark ; 54.0; 28; 12Bet Tau ; 1.65; 15200;occ; 108; 0;39028
10; 4702.0; 17-AUG-2009 15:14:59; Dark ; 47.0; 176; 23Zet Tau ; 3.02; 22000;occ; 94; 0;39028
11; 4941.7; 17-AUG-2009 15:18:58; Dark ; 49.0; 14; 58Alp Ori ; 0.87; 3000;occ; 98; 0;39028
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13; 5223.2; 17-AUG-2009 15:23:40; Dark ; 45.0; 125; 44Iot Ori ; 2.77; 30000;occ; 90; 0;39028
14; 5320.9; 17-AUG-2009 15:25:18; Dark ; 56.0; 7; 19Bet Ori ; 0.10; 14000;occ; 112; 0;39028
15; 5430.2; 17-AUG-2009 15:27:07; Dark ; 46.5; 101; 11Alp Lep ; 2.58; 7000;occ; 93; 0;39028
16; 5601.5; 17-AUG-2009 15:29:58; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;39028
17; 6271.9; 17-AUG-2009 15:41:09; Dark ; 52.0; 157; The1Eri ; 2.91; 9300;occ; 104; 0;39028
18; 6854.8; 17-AUG-2009 15:50:52; Dark ; 55.0; 84; Alp Phe ; 2.40; 4500;occ; 110; 0;39028
19; 7297.1; 17-AUG-2009 15:58:14; Dark ; 4.5; 18; 24Alp PsA ; 1.17; 9700;occ; 9; 0;39028
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3; 1799.5; 17-AUG-2009 16:07:12; Bright; 41.0; 154; 22Bet Aqr ; 2.90; 5700;occ; 82; 0;39029
4; 1917.8; 17-AUG-2009 16:09:10; Bright; 47.5; 162; 34Alp Aqr ; 2.94; 5350;occ; 95; 0;39029
5; 2107.3; 17-AUG-2009 16:12:20; Bright; 63.0; 61; 8Eps Peg ; 2.10; 3900;occ; 126; 0;39029
6; 3288.7; 17-AUG-2009 16:32:01; Bright; 48.5; 74; 11Bet Cas ; 2.27; 6600;occ; 97; 0;39029
7; 3422.5; 17-AUG-2009 16:34:15; Bright; 47.0; 76; 27Gam Cas ; 2.30; 30000;occ; 94; 0;39029
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9; 4368.8; 17-AUG-2009 16:50:02; Bright; 39.0; 107; 37The Aur ; 2.65; 11000;occ; 78; 0;39029
10; 4557.5; 17-AUG-2009 16:53:10; Dark ; 50.5; 28; 12Bet Tau ; 1.65; 15200;occ; 101; 0;39029
11; 4702.2; 17-AUG-2009 16:55:35; Dark ; 48.0; 176; 23Zet Tau ; 3.02; 22000;occ; 96; 0;39029
12; 4942.2; 17-AUG-2009 16:59:35; Dark ; 55.0; 14; 58Alp Ori ; 0.87; 3000;occ; 110; 0;39029
13; 5137.8; 17-AUG-2009 17:02:50; Dark ; 50.0; 30; 46Eps Ori ; 1.69; 30000;occ; 100; 0;39029
14; 5223.9; 17-AUG-2009 17:04:17; Dark ; 48.0; 125; 44Iot Ori ; 2.77; 30000;occ; 96; 0;39029
15; 5321.7; 17-AUG-2009 17:05:54; Dark ; 56.5; 7; 19Bet Ori ; 0.10; 14000;occ; 113; 0;39029
16; 5430.9; 17-AUG-2009 17:07:44; Dark ; 48.0; 101; 11Alp Lep ; 2.58; 7000;occ; 96; 0;39029
17; 5602.3; 17-AUG-2009 17:10:35; Dark ; 59.0; 0; ; 0.00; 0;occ; 118; 0;39029
18; 6273.2; 17-AUG-2009 17:21:46; Dark ; 53.5; 157; The1Eri ; 2.91; 9300;occ; 107; 0;39029
19; 6855.5; 17-AUG-2009 17:31:28; Dark ; 50.5; 84; Alp Phe ; 2.40; 4500;occ; 101; 0;39029
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2; 1594.4; 17-AUG-2009 17:44:23; Bright; 43.0; 142; 49Del Cap ; 2.85; 8900;occ; 86; 0;39030
3; 1799.5; 17-AUG-2009 17:47:48; Bright; 42.0; 154; 22Bet Aqr ; 2.90; 5700;occ; 84; 0;39030
4; 1917.6; 17-AUG-2009 17:49:46; Bright; 47.0; 162; 34Alp Aqr ; 2.94; 5350;occ; 94; 0;39030
5; 2107.0; 17-AUG-2009 17:52:56; Bright; 63.0; 61; 8Eps Peg ; 2.10; 3900;occ; 126; 0;39030
6; 3287.7; 17-AUG-2009 18:12:36; Bright; 47.5; 74; 11Bet Cas ; 2.27; 6600;occ; 95; 0;39030
7; 3379.1; 17-AUG-2009 18:14:08; Bright; 25.0; 68; 18Alp Cas ; 2.22; 4500;occ; 50; 0;39030
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9; 4191.3; 17-AUG-2009 18:27:40; Bright; 51.0; 6; 13Alp Aur ; 0.08; 3400;occ; 102; 0;39030
10; 4368.9; 17-AUG-2009 18:30:38; Bright; 41.0; 107; 37The Aur ; 2.65; 11000;occ; 82; 0;39030
11; 4557.7; 17-AUG-2009 18:33:46; Dark ; 50.5; 28; 12Bet Tau ; 1.65; 15200;occ; 101; 0;39030
12; 4702.4; 17-AUG-2009 18:36:11; Dark ; 47.0; 176; 23Zet Tau ; 3.02; 22000;occ; 94; 0;39030
13; 4942.6; 17-AUG-2009 18:40:11; Dark ; 56.5; 14; 58Alp Ori ; 0.87; 3000;occ; 113; 0;39030
14; 5138.4; 17-AUG-2009 18:43:27; Dark ; 50.5; 30; 46Eps Ori ; 1.69; 30000;occ; 101; 0;39030
15; 5224.4; 17-AUG-2009 18:44:53; Dark ; 47.0; 125; 44Iot Ori ; 2.77; 30000;occ; 94; 0;39030

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16; 5322.5; 17-AUG-2009 18:46:31; Dark ; 68.0; 7; 19Bet Ori ; 0.10; 14000;occ; 136; 0;39030
17; 5431.5; 17-AUG-2009 18:48:20; Dark ; 47.0; 101; 11Alp Lep ; 2.58; 7000;occ; 94; 0;39030
18; 5603.1; 17-AUG-2009 18:51:12; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;39030
19; 6274.3; 17-AUG-2009 19:02:23; Dark ; 52.5; 157; The1Eri ; 2.91; 9300;occ; 105; 0;39030
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13; 4942.9; 17-AUG-2009 20:20:48; Dark ; 61.0; 14; 58Alp Ori ; 0.87; 3000;occ; 122; 0;39031
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16; 5323.4; 17-AUG-2009 20:27:08; Dark ; 67.0; 7; 19Bet Ori ; 0.10; 14000;occ; 134; 0;39031
17; 5432.3; 17-AUG-2009 20:28:57; Dark ; 48.0; 101; 11Alp Lep ; 2.58; 7000;occ; 96; 0;39031
18; 5603.8; 17-AUG-2009 20:31:49; Dark ; 59.0; 0; ; 0.00; 0;occ; 118; 0;39031
19; 6275.4; 17-AUG-2009 20:43:00; Dark ; 53.0; 157; The1Eri ; 2.91; 9300;occ; 106; 0;39031
20; 6857.1; 17-AUG-2009 20:52:42; Dark ; 61.0; 84; Alp Phe ; 2.40; 4500;occ; 122; 0;39031
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 3; -710.3; 18-AUG-2009 01:28:58; Dark ; 56.5; 7; 19Bet Ori ; 0.10; 14000;occ; 113; 0;39034
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13; 3283.6; 18-AUG-2009 02:35:32; Bright; 44.0; 74; 11Bet Cas ; 2.27; 6600;occ; 88; 0;39035
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16; 5347.3; 19-AUG-2009 17:43:42; Dark ; 60.0; 7; 19Bet Ori ; 0.10; 14000;occ; 120; 0;39058
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4;-1283.0; 24-AUG-2009 03:11:31; Dark ; 45.0; 44; 24Gam Gem ; 1.93; 11000;occ; 90; 0;39121
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 5; 3203.8; 25-AUG-2009 17:19:28; Bright; 44.5; 74; 11Bet Cas ; 2.27; 6600;occ; 89; 0;39144
 6; 3336.4; 25-AUG-2009 17:21:41; Bright; 46.5; 76; 27Gam Cas ; 2.30; 30000;occ; 93; 0;39144
 7; 4175.5; 25-AUG-2009 17:35:40; Bright; 59.5; 6; 13Alp Aur ; 0.08; 3400;occ; 119; 0;39144
 8; 4375.4; 25-AUG-2009 17:39:00; Bright; 43.5; 107; 37The Aur ; 2.65; 11000;occ; 87; 0;39144
 9; 4583.0; 25-AUG-2009 17:42:27; Dark ; 61.0; 28; 12Bet Tau ; 1.65; 15200;occ; 122; 0;39144
10; 4760.5; 25-AUG-2009 17:45:25; Dark ; 47.0; 44; 24Gam Gem ; 1.93; 11000;occ; 94; 0;39144
11; 5003.9; 25-AUG-2009 17:49:28; Dark ; 62.0; 14; 58Alp Ori ; 0.87; 3000;occ; 124; 0;39144
12; 5107.8; 25-AUG-2009 17:51:12; Dark ; 59.5; 27; 24Gam Ori ; 1.64; 26000;occ; 119; 0;39144
13; 5225.2; 25-AUG-2009 17:53:09; Dark ; 58.0; 30; 46Eps Ori ; 1.69; 30000;occ; 116; 0;39144
14; 5342.5; 25-AUG-2009 17:55:07; Dark ; 52.0; 56; 53Kap Ori ; 2.07; 30000;occ; 104; 0;39144
15; 5437.2; 25-AUG-2009 17:56:41; Dark ; 75.0; 7; 19Bet Ori ; 0.10; 14000;occ; 150; 0;39144
16; 5586.7; 25-AUG-2009 17:59:11; Dark ; 52.5; 139; 9Bet Lep ; 2.83; 5600;occ; 105; 0;39144
17; 5702.6; 25-AUG-2009 18:01:07; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;39144
18; 6413.5; 25-AUG-2009 18:12:58; Dark ; 52.0; 157; The1Eri ; 2.91; 9300;occ; 104; 0;39144
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 2; 1900.6; 25-AUG-2009 18:38:21; Bright; 42.0; 162; 34Alp Aqr ; 2.94; 5350;occ; 84; 0;39145
 3; 2083.6; 25-AUG-2009 18:41:24; Bright; 41.0; 61; 8Eps Peg ; 2.10; 3900;occ; 82; 0;39145
 4; 2553.1; 25-AUG-2009 18:49:13; Bright; 45.5; 164; 44Eta Peg ; 2.95; 5400;occ; 91; 0;39145
 5; 3203.3; 25-AUG-2009 19:00:03; Bright; 46.5; 74; 11Bet Cas ; 2.27; 6600;occ; 93; 0;39145
 6; 3335.8; 25-AUG-2009 19:02:16; Bright; 47.5; 76; 27Gam Cas ; 2.30; 30000;occ; 95; 0;39145
 7; 4175.2; 25-AUG-2009 19:16:15; Bright; 52.0; 6; 13Alp Aur ; 0.08; 3400;occ; 104; 0;39145
 8; 4375.5; 25-AUG-2009 19:19:36; Bright; 43.0; 107; 37The Aur ; 2.65; 11000;occ; 86; 0;39145

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

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 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
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 3; -806.3; 26-AUG-2009 02:16:13; Dark ; 57.5; 30; 46Eps Ori ; 1.69; 30000;occ; 115; 0;39149
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 6; -444.4; 26-AUG-2009 02:22:15; Dark ; 50.0; 139; 9Bet Lep ; 2.83; 5600;occ; 100; 0;39149
 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
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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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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
6; -921.9; 26-AUG-2009 05:35:30; Dark ; 65.0; 27; 24Gam Ori ; 1.64; 26000;occ; 130; 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
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11; -326.5; 26-AUG-2009 05:45:25; Dark ; 59.0; 0; ; 0.00; 0;occ; 118; 0;39151
12; 386.1; 26-AUG-2009 05:57:18; Dark ; 53.0; 157; The1Eri ; 2.91; 9300;occ; 106; 0;39152
13; 910.3; 26-AUG-2009 06:06:02; Dark ; 49.0; 84; Alp Phe ; 2.40; 4500;occ; 98; 0;39152
14; 1305.3; 26-AUG-2009 06:12:37; Dark ; 47.0; 18; 24Alp PsA ; 1.17; 9700;occ; 94; 0;39152
15; 1900.0; 26-AUG-2009 06:22:31; Bright; 40.0; 162; 34Alp Aqr ; 2.94; 5350;occ; 80; 0;39152
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17; 2548.6; 26-AUG-2009 06:33:20; Bright; 46.5; 164; 44Eta Peg ; 2.95; 5400;occ; 93; 0;39152
18; 3198.4; 26-AUG-2009 06:44:10; Bright; 45.5; 74; 11Bet Cas ; 2.27; 6600;occ; 91; 0;39152
19; 3330.5; 26-AUG-2009 06:46:22; Bright; 47.5; 76; 27Gam Cas ; 2.30; 30000;occ; 95; 0;39152
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3; 1899.2; 26-AUG-2009 21:27:54; Bright; 59.0; 162; 34Alp Aqr ; 2.94; 5350;occ; 118; 0;39161
4; 2081.3; 26-AUG-2009 21:30:56; Bright; 38.5; 61; 8Eps Peg ; 2.10; 3900;occ; 77; 0;39161
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7; 3323.8; 26-AUG-2009 21:51:39; Bright; 47.5; 76; 27Gam Cas ; 2.30; 30000;occ; 95; 0;39161
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9; 4376.0; 26-AUG-2009 22:09:11; Bright; 44.5; 107; 37The Aur ; 2.65; 11000;occ; 89; 0;39161
10; 4587.0; 26-AUG-2009 22:12:42; Dark ; 60.5; 28; 12Bet Tau ; 1.65; 15200;occ; 121; 0;39161
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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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19; 5124.5; 27-AUG-2009 00:02:15; Dark ; 64.5; 27; 24Gam Ori ; 1.64; 26000;occ; 129; 0;39162
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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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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2; 2082.4; 26-AUG-2009 08:06:10; Bright; 40.0; 61; 8Eps Peg ; 2.10; 3900;occ; 80; 0;39153
3; 2547.8; 26-AUG-2009 08:13:55; Bright; 47.5; 164; 44Eta Peg ; 2.95; 5400;occ; 95; 0;39153
4; 3197.8; 26-AUG-2009 08:24:45; Bright; 42.0; 74; 11Bet Cas ; 2.27; 6600;occ; 84; 0;39153
5; 3329.9; 26-AUG-2009 08:26:57; Bright; 44.5; 76; 27Gam Cas ; 2.30; 30000;occ; 89; 0;39153
6; 4173.7; 26-AUG-2009 08:41:01; Bright; 59.0; 6; 13Alp Aur ; 0.08; 3400;occ; 118; 0;39153
7; 4375.6; 26-AUG-2009 08:44:23; Bright; 45.0; 107; 37The Aur ; 2.65; 11000;occ; 90; 0;39153
8; 4585.1; 26-AUG-2009 08:47:53; Dark ; 59.0; 28; 12Bet Tau ; 1.65; 15200;occ; 118; 0;39153
9; 4763.2; 26-AUG-2009 08:50:51; Dark ; 46.5; 44; 24Gam Gem ; 1.93; 11000;occ; 93; 0;39153
10; 5009.3; 26-AUG-2009 08:54:57; Dark ; 62.5; 14; 58Alp Ori ; 0.87; 3000;occ; 125; 0;39153
11; 5116.1; 26-AUG-2009 08:56:44; Dark ; 63.0; 27; 24Gam Ori ; 1.64; 26000;occ; 126; 0;39153
12; 5233.3; 26-AUG-2009 08:58:41; Dark ; 58.5; 30; 46Eps Ori ; 1.69; 30000;occ; 117; 0;39153
13; 5350.1; 26-AUG-2009 09:00:38; Dark ; 50.5; 56; 53Kap Ori ; 2.07; 30000;occ; 101; 0;39153
14; 5448.1; 26-AUG-2009 09:02:16; Dark ; 80.0; 7; 19Bet Ori ; 0.10; 14000;occ; 160; 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
4; 3196.8; 26-AUG-2009 10:05:20; Bright; 46.0; 74; 11Bet Cas ; 2.27; 6600;occ; 92; 0;39154
5; 3329.1; 26-AUG-2009 10:07:32; Bright; 47.5; 76; 27Gam Cas ; 2.30; 30000;occ; 95; 0;39154
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7; 4375.7; 26-AUG-2009 10:24:59; Bright; 44.5; 107; 37The Aur ; 2.65; 11000;occ; 89; 0;39154
8; 4585.3; 26-AUG-2009 10:28:29; Dark ; 58.0; 28; 12Bet Tau ; 1.65; 15200;occ; 116; 0;39154
9; 4763.6; 26-AUG-2009 10:31:27; Dark ; 46.5; 44; 24Gam Gem ; 1.93; 11000;occ; 93; 0;39154
10; 5010.0; 26-AUG-2009 10:35:33; Dark ; 69.0; 14; 58Alp Ori ; 0.87; 3000;occ; 138; 0;39154
11; 5116.9; 26-AUG-2009 10:37:20; Dark ; 59.0; 27; 24Gam Ori ; 1.64; 26000;occ; 118; 0;39154
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13; 5350.9; 26-AUG-2009 10:41:14; Dark ; 52.0; 56; 53Kap Ori ; 2.07; 30000;occ; 104; 0;39154
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15; 5596.4; 26-AUG-2009 10:45:20; Dark ; 50.5; 139; 9Bet Lep ; 2.83; 5600;occ; 101; 0;39154
16; 5712.3; 26-AUG-2009 10:47:16; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;39154
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18; 6948.1; 26-AUG-2009 11:07:51; Dark ; 50.0; 84; Alp Phe ; 2.40; 4500;occ; 100; 0;39154
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2; 2546.3; 26-AUG-2009 11:35:06; Bright; 46.0; 164; 44Eta Peg ; 2.95; 5400;occ; 92; 0;39155
3; 3196.0; 26-AUG-2009 11:45:55; Bright; 43.5; 74; 11Bet Cas ; 2.27; 6600;occ; 87; 0;39155
4; 3328.3; 26-AUG-2009 11:48:08; Bright; 45.5; 76; 27Gam Cas ; 2.30; 30000;occ; 91; 0;39155
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
7; 4585.6; 26-AUG-2009 12:09:05; Dark ; 60.5; 28; 12Bet Tau ; 1.65; 15200;occ; 121; 0;39155
8; 4763.8; 26-AUG-2009 12:12:03; Dark ; 45.5; 44; 24Gam Gem ; 1.93; 11000;occ; 91; 0;39155
9; 5010.6; 26-AUG-2009 12:16:10; Dark ; 62.5; 14; 58Alp Ori ; 0.87; 3000;occ; 125; 0;39155
10; 5117.8; 26-AUG-2009 12:17:57; Dark ; 60.0; 27; 24Gam Ori ; 1.64; 26000;occ; 120; 0;39155
11; 5235.1; 26-AUG-2009 12:19:54; Dark ; 56.5; 30; 46Eps Ori ; 1.69; 30000;occ; 113; 0;39155
12; 5351.8; 26-AUG-2009 12:21:51; Dark ; 49.0; 56; 53Kap Ori ; 2.07; 30000;occ; 98; 0;39155
13; 5450.5; 26-AUG-2009 12:23:30; Dark ; 65.5; 7; 19Bet Ori ; 0.10; 14000;occ; 131; 0;39155
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17; 6948.6; 26-AUG-2009 12:48:28; Dark ; 53.0; 84; Alp Phe ; 2.40; 4500;occ; 106; 0;39155
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 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
 7; 4585.7; 26-AUG-2009 13:49:41; Dark ; 59.0; 28; 12Bet Tau ; 1.65; 15200;occ; 118; 0;39156
 8; 4764.2; 26-AUG-2009 13:52:39; Dark ; 46.5; 44; 24Gam Gem ; 1.93; 11000;occ; 93; 0;39156
 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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 14; 5598.3; 26-AUG-2009 14:06:33; Dark ; 54.0; 139; 9Bet Lep ; 2.83; 5600;occ; 108; 0;39156
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 17; 6949.5; 26-AUG-2009 14:29:05; Dark ; 50.5; 84; Alp Phe ; 2.40; 4500;occ; 101; 0;39156
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 5; 3327.0; 26-AUG-2009 15:09:18; Bright; 47.5; 76; 27Gam Cas ; 2.30; 30000;occ; 95; 0;39157
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 8; 4586.0; 26-AUG-2009 15:30:17; Dark ; 60.5; 28; 12Bet Tau ; 1.65; 15200;occ; 121; 0;39157
 9; 4764.6; 26-AUG-2009 15:33:16; Dark ; 46.5; 44; 24Gam Gem ; 1.93; 11000;occ; 93; 0;39157
 10; 5012.1; 26-AUG-2009 15:37:23; Dark ; 61.5; 14; 58Alp Ori ; 0.87; 3000;occ; 123; 0;39157
 11; 5119.8; 26-AUG-2009 15:39:11; Dark ; 65.0; 27; 24Gam Ori ; 1.64; 26000;occ; 130; 0;39157
 12; 5237.0; 26-AUG-2009 15:41:08; Dark ; 57.0; 30; 46Eps Ori ; 1.69; 30000;occ; 114; 0;39157
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 14; 5453.0; 26-AUG-2009 15:44:44; Dark ; 65.5; 7; 19Bet Ori ; 0.10; 14000;occ; 131; 0;39157
 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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 5; 3327.0; 26-AUG-2009 15:09:18; Bright; 47.5; 76; 27Gam Cas ; 2.30; 30000;occ; 95; 0;39157
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 11; 5119.8; 26-AUG-2009 15:39:11; Dark ; 65.0; 27; 24Gam Ori ; 1.64; 26000;occ; 130; 0;39157
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 13; 5353.7; 26-AUG-2009 15:43:05; Dark ; 53.0; 56; 53Kap Ori ; 2.07; 30000;occ; 106; 0;39157
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 16; 5715.4; 26-AUG-2009 15:49:06; Dark ; 59.0; 0; ; 0.00; 0;occ; 118; 0;39157
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11; 3180.4; 28-AUG-2009 02:19:26; Bright; 40.5; 74; 11Bet Cas ; 2.27; 6600;occ; 81; 0;39178
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3; -1444.4; 28-AUG-2009 02:42:57; Dark ; 52.0; 28; 12Bet Tau ; 1.65; 15200;occ; 104; 0;39178
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5; -1264.3; 28-AUG-2009 02:45:57; Dark ; 47.5; 44; 24Gam Gem ; 1.93; 11000;occ; 95; 0;39178
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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
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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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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
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14; 5485.1; 28-AUG-2009 09:40:14; Dark ; 68.5; 7; 19Bet Ori ; 0.10; 14000;occ; 137; 0;39182
15; 5625.0; 28-AUG-2009 09:42:34; Dark ; 53.0; 139; 9Bet Lep ; 2.83; 5600;occ; 106; 0;39182
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10; 2508.1; 31-AUG-2009 02:13:58; Bright; 43.5; 164; 44Eta Peg ; 2.95; 5400;occ; 87; 0;39221
11; 3151.9; 31-AUG-2009 02:24:42; Bright; 42.0; 74; 11Bet Cas ; 2.27; 6600;occ; 84; 0;39221
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3; -1353.2; 31-AUG-2009 02:50:13; Dark ; 55.0; 151; 13Mu Gem ; 2.89; 3000;occ; 110; 0;39221
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5; -732.4; 31-AUG-2009 03:00:34; Dark ; 64.0; 30; 46Eps Ori ; 1.69; 30000;occ; 128; 0;39221
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9; 471.8; 31-AUG-2009 03:20:38; Dark ; 55.5; 157; The1Eri ; 2.91; 9300;occ; 111; 0;39222
10; 954.6; 31-AUG-2009 03:28:41; Dark ; 48.5; 84; Alp Phe ; 2.40; 4500;occ; 97; 0;39222
11; 1326.2; 31-AUG-2009 03:34:52; Dark ; 46.0; 18; 24Alp PsA ; 1.17; 9700;occ; 92; 0;39222
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14; 2507.7; 31-AUG-2009 03:54:34; Bright; 43.5; 164; 44Eta Peg ; 2.95; 5400;occ; 87; 0;39222
15; 3151.3; 31-AUG-2009 04:05:17; Bright; 42.0; 74; 11Bet Cas ; 2.27; 6600;occ; 84; 0;39222
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11; 955.2; 31-AUG-2009 05:09:17; Dark ; 49.0; 84; Alp Phe ; 2.40; 4500;occ; 98; 0;39223
12; 1326.4; 31-AUG-2009 05:15:28; Dark ; 47.0; 18; 24Alp PsA ; 1.17; 9700;occ; 94; 0;39223
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15; 2507.3; 31-AUG-2009 05:35:09; Bright; 43.5; 164; 44Eta Peg ; 2.95; 5400;occ; 87; 0;39223
16; 3150.6; 31-AUG-2009 05:45:53; Bright; 44.5; 74; 11Bet Cas ; 2.27; 6600;occ; 89; 0;39223

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3; 2502.7; 31-AUG-2009 20:40:28; Bright; 40.5; 164; 44Eta Peg ; 2.95; 5400;occ; 81; 0;39232
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6; 961.1; 31-AUG-2009 21:55:22; Dark ; 46.0; 84; Alp Phe ; 2.40; 4500;occ; 92; 0;39233
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16; 5067.4; 31-AUG-2009 23:03:49; Dark ; 74.5; 14; 58Alp Ori ; 0.87; 3000;occ; 149; 0;39233
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5; 961.6; 31-AUG-2009 23:35:59; Dark ; 48.0; 84; Alp Phe ; 2.40; 4500;occ; 96; 0;39234
6; 1329.5; 31-AUG-2009 23:42:07; Dark ; 45.5; 18; 24Alp PsA ; 1.17; 9700;occ; 91; 0;39234
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8; 2501.6; 01-SEP-2009 00:01:39; Bright; 44.0; 164; 44Eta Peg ; 2.95; 5400;occ; 88; 0;39234
9; 3143.7; 01-SEP-2009 00:12:21; Bright; 41.5; 74; 11Bet Cas ; 2.27; 6600;occ; 83; 0;39234
10; 3271.6; 01-SEP-2009 00:14:29; Bright; 47.0; 76; 27Gam Cas ; 2.30; 30000;occ; 94; 0;39234
11; 4155.9; 01-SEP-2009 00:29:13; Bright; 64.0; 6; 13Alp Aur ; 0.08; 3400;occ; 128; 0;39234
12; 4378.0; 01-SEP-2009 00:32:55; Bright; 47.5; 107; 37The Aur ; 2.65; 11000;occ; 95; 0;39234
13; 4686.7; 01-SEP-2009 00:38:04; Dark ; 54.5; 151; 13Mu Gem ; 2.89; 3000;occ; 109; 0;39234
14; 4792.4; 01-SEP-2009 00:39:49; Dark ; 48.5; 44; 24Gam Gem ; 1.93; 11000;occ; 97; 0;39234
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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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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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 12; 5442.8; 31-AUG-2009 08:04:41; Dark ; 46.0; 47; 2Bet CMA ; 1.98; 28000;occ; 92; 0;39224
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 14; 5786.8; 31-AUG-2009 08:10:25; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;39224
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 2; 2504.8; 31-AUG-2009 13:58:06; Bright; 43.5; 164; 44Eta Peg ; 2.95; 5400;occ; 87; 0;39228
 3; 3147.5; 31-AUG-2009 14:08:49; Bright; 44.5; 74; 11Bet Cas ; 2.27; 6600;occ; 89; 0;39228

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7; 4378.1; 31-AUG-2009 16:09:56; Bright; 48.0; 107; 37The Aur ; 2.65; 11000;occ; 96; 0;39229
8; 4685.1; 31-AUG-2009 16:15:03; Dark ; 55.0; 151; 13Mu Gem ; 2.89; 3000;occ; 110; 0;39229
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10; 5064.4; 31-AUG-2009 16:21:22; Dark ; 73.0; 14; 58Alp Ori ; 0.87; 3000;occ; 146; 0;39229
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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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