

# GOMOS Daily Report 07-MAY-2010

## Level 0 and Level 1 products

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This report presents the daily analysis on parameters extracted from GOMOS level 1b data (GOM\_TRA\_1P). It is intended to monitor some important parameters that will impact the quality of the level 2 products as the Spectrometers and Photometers CCD Temperatures and Dark Charge, SATU noise equivalent angle... A list of level 0 products (and content) that have arrived during the actual month to the PCF is also given.

Item	Value
Time of report generation	10MAY2010 04:50:56
Data source version	GOMOS/5.00L04
Start time of products	07MAY2010 00:02:37
Stop time of products	07MAY2010 23:57:12
Store outputs in DB	Yes
Nb of level 1b prods	143
Nb of prods with errors	1

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

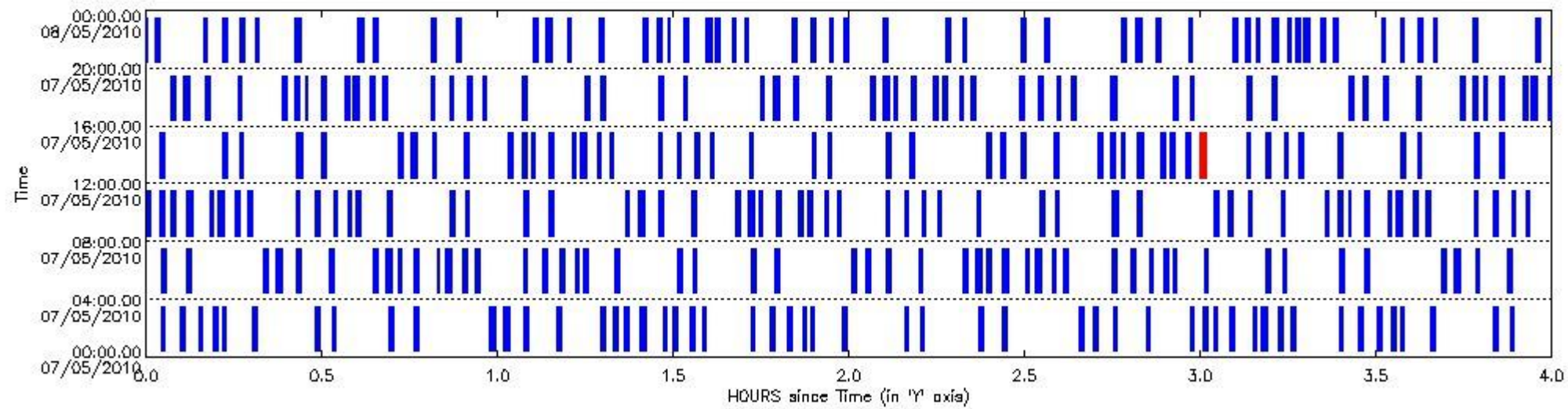
### 2.1 Level 0 products arrived in PCF (see template [here](#))

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

Red segments are missing products.

Blue segments are available products.

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



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

UTC start time	Star name	Star ID	Orbit
07-MAY-2010 14:59:50	27BetLib	104	42793

### 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_1PNPDE20100507_000237_000000372089_00145_42784_9348.N1	07-MAY-2010 00:02:37	Bright	36.500	111	8Eta Boo	2.6800	6000.0	73	42784	No
2	GOM_TRA_1PNPDE20100507_000552_000000402089_00145_42784_9349.N1	07-MAY-2010 00:05:52	Bright	40.000	83		2.3780	11000.	80	42784	No
3	GOM_TRA_1PNPDE20100507_000856_000000392089_00145_42784_9350.N1	07-MAY-2010 00:08:56	Bright	39.000	180	27Gam Boo	3.0400	8000.0	78	42784	No
4	GOM_TRA_1PNPDE20100507_001128_000000372089_00145_42784_9351.N1	07-MAY-2010 00:11:28	Bright	37.000	39	85Eta UMa	1.8540	24000.	74	42784	No
5	GOM_TRA_1PNPDE20100507_001255_000000382089_00145_42784_9352.N1	07-MAY-2010 00:12:55	Bright	37.500	55	79Zet UMa	2.0600	10200.	75	42784	No
6	GOM_TRA_1PNPDE20100507_001814_000000442089_00145_42784_9353.N1	07-MAY-2010 00:18:14	Bright	44.000	119	14Eta Dra	2.7270	4700.0	88	42784	No
7	GOM_TRA_1PNPDE20100507_002854_000000432089_00145_42784_9354.N1	07-MAY-2010 00:28:54	Bright	43.000	89	5Alp Cep	2.4510	8000.0	86	42784	No
8	GOM_TRA_1PNPDE20100507_003138_000000442089_00145_42784_9355.N1	07-MAY-2010 00:31:38	Bright	44.000	74	11Bet Cas	2.2680	6600.0	88	42784	No
9	GOM_TRA_1PNPDE20100507_004125_000000532089_00145_42784_9356.N1	07-MAY-2010 00:41:25	Tw_i_and_stray	52.500	93	53Bet Peg	2.5200	3100.0	105	42784	No
10	GOM_TRA_1PNPDE20100507_004536_000000472089_00145_42784_9357.N1	07-MAY-2010 00:45:36	Dark	46.500	90	54Alp Peg	2.4870	11000.	93	42784	No

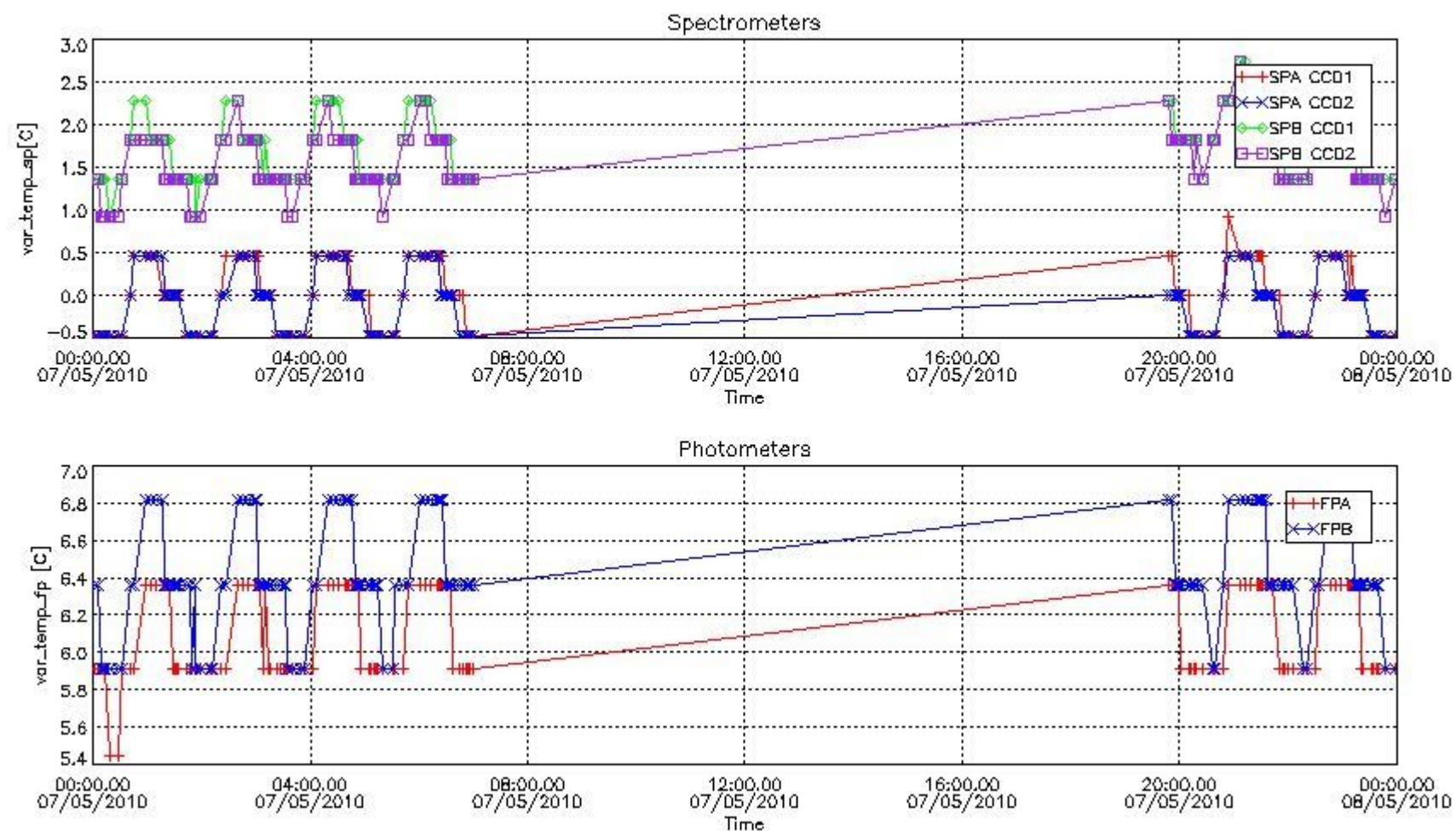
11	GOM_TRA_1PNPDE20100507_005841_000000542089_00145_42784_9372.N1	07-MAY-2010 00:58:41	Dark	53.500	18	24Alp PsA	1.1660	9700.0	107	42784	No
12	GOM_TRA_1PNPDE20100507_010431_000000412089_00145_42784_9373.N1	07-MAY-2010 01:04:31	Dark	40.500	31	Alp Gru	1.7340	15200.	81	42784	No
13	GOM_TRA_1PNPDE20100507_011005_000000492089_00146_42785_9374.N1	07-MAY-2010 01:10:05	Dark	48.500	45	Alp Pav	1.9400	26000.	97	42785	No
14	GOM_TRA_1PNPDE20100507_011736_000000522089_00146_42785_9375.N1	07-MAY-2010 01:17:36	Straylight	52.000	141	Bet Ara	2.8400	4600.0	104	42785	No
15	GOM_TRA_1PNPDE20100507_011947_000000482089_00146_42785_9376.N1	07-MAY-2010 01:19:47	Straylight	47.500	40	The Sco	1.8590	7100.0	95	42785	No
16	GOM_TRA_1PNPDE20100507_012142_000000392089_00146_42785_9377.N1	07-MAY-2010 01:21:42	Straylight	39.000	115	34Ups Sco	2.6960	26000.	78	42785	No
17	GOM_TRA_1PNPDE20100507_012424_000000572089_00146_42785_9378.N1	07-MAY-2010 01:24:24	Straylight	57.000	75	26Eps Sco	2.2910	4250.0	114	42785	No
18	GOM_TRA_1PNPDE20100507_012823_000000252089_00146_42785_9379.N1	07-MAY-2010 01:28:23	Twilight_and_stray	25.000	156	20Sig Sco	2.9030	28000.	50	42785	No
19	GOM_TRA_1PNPDE20100507_012953_000000542089_00146_42785_9380.N1	07-MAY-2010 01:29:53	Twilight_and_stray	53.500	80	7Del Sco	2.3160	30000.	107	42785	No
20	GOM_TRA_1PNPDE20100507_013249_000000452089_00146_42785_9381.N1	07-MAY-2010 01:32:49	Bright	45.000	122	9Alp2Lib	2.7470	9700.0	90	42785	No
21	GOM_TRA_1PNPDE20100507_013454_000000452089_00146_42785_9382.N1	07-MAY-2010 01:34:54	Bright	44.500	104	27Bet Lib	2.6140	13100.	89	42785	No
22	GOM_TRA_1PNPDE20100507_014312_000000372089_00146_42785_9383.N1	07-MAY-2010 01:43:12	Bright	37.000	111	8Eta Boo	2.6800	6000.0	74	42785	No
23	GOM_TRA_1PNPDE20100507_014627_000000452089_00146_42785_9384.N1	07-MAY-2010 01:46:27	Bright	44.500	83		2.3780	11000.	89	42785	No
24	GOM_TRA_1PNPDE20100507_014932_000000392089_00146_42785_9385.N1	07-MAY-2010 01:49:32	Bright	38.500	180	27Gam Boo	3.0400	8000.0	77	42785	No
25	GOM_TRA_1PNPDE20100507_015204_000000372089_00146_42785_9386.N1	07-MAY-2010 01:52:04	Bright	36.500	39	85Eta UMa	1.8540	24000.	73	42785	No
26	GOM_TRA_1PNPDE20100507_015331_000000382089_00146_42785_9387.N1	07-MAY-2010 01:53:31	Bright	37.500	55	79Zet UMa	2.0600	10200.	75	42785	No
27	GOM_TRA_1PNPDE20100507_015849_000000442089_00146_42785_9388.N1	07-MAY-2010 01:58:49	Bright	44.000	119	14Eta Dra	2.7270	4700.0	88	42785	No
28	GOM_TRA_1PNPDE20100507_020930_000000432089_00146_42785_9389.N1	07-MAY-2010 02:09:30	Bright	42.500	89	5Alp Cep	2.4510	8000.0	85	42785	No
29	GOM_TRA_1PNPDE20100507_021215_000000362089_00146_42785_9390.N1	07-MAY-2010 02:12:15	Bright	36.000	74	11Bet Cas	2.2680	6600.0	72	42785	No
30	GOM_TRA_1PNPDE20100507_022201_000000572089_00146_42785_9391.N1	07-MAY-2010 02:22:01	Twilight_and_stray	56.500	93	53Bet Peg	2.5200	3100.0	113	42785	No
31	GOM_TRA_1PNPDE20100507_022612_000000512089_00146_42785_9392.N1	07-MAY-2010 02:26:12	Dark	50.500	90	54Alp Peg	2.4870	11000.	101	42785	No
32	GOM_TRA_1PNPDE20100507_023917_000000492089_00146_42785_9393.N1	07-MAY-2010 02:39:17	Dark	48.500	18	24Alp PsA	1.1660	9700.0	97	42785	No
33	GOM_TRA_1PNPDE20100507_024507_000000422089_00146_42785_9394.N1	07-MAY-2010 02:45:07	Dark	42.000	31	Alp Gru	1.7340	15200.	84	42785	No
34	GOM_TRA_1PNPDE20100507_025042_000000412089_00147_42786_9395.N1	07-MAY-2010 02:50:42	Dark	40.500	45	Alp Pav	1.9400	26000.	81	42786	No
35	GOM_TRA_1PNPDE20100507_025813_000000452089_00147_42786_9396.N1	07-MAY-2010 02:58:13	Straylight	44.500	141	Bet Ara	2.8400	4600.0	89	42786	No
36	GOM_TRA_1PNPDE20100507_030024_000000572089_00147_42786_9397.N1	07-MAY-2010 03:00:24	Straylight	56.500	40	The Sco	1.8590	7100.0	113	42786	No
37	GOM_TRA_1PNPDE20100507_030218_000000412089_00147_42786_9398.N1	07-MAY-2010 03:02:18	Straylight	41.000	115	34Ups Sco	2.6960	26000.	82	42786	No
38	GOM_TRA_1PNPDE20100507_030501_000000562089_00147_42786_9399.N1	07-MAY-2010 03:05:01	Straylight	55.500	75	26Eps Sco	2.2910	4250.0	111	42786	No
39	GOM_TRA_1PNPDE20100507_030859_000000302089_00147_42786_9400.N1	07-MAY-2010 03:08:59	Twilight_and_stray	30.000	156	20Sig Sco	2.9030	28000.	60	42786	No
40	GOM_TRA_1PNPDE20100507_031029_000000572089_00147_42786_9401.N1	07-MAY-2010 03:10:29	Twilight_and_stray	56.500	80	7Del Sco	2.3160	30000.	113	42786	No
41	GOM_TRA_1PNPDE20100507_031325_000000432089_00147_42786_9402.N1	07-MAY-2010 03:13:25	Bright	42.500	122	9Alp2Lib	2.7470	9700.0	85	42786	No
42	GOM_TRA_1PNPDE20100507_031530_000000442089_00147_42786_9403.N1	07-MAY-2010 03:15:30	Bright	43.500	104	27Bet Lib	2.6140	13100.	87	42786	No
43	GOM_TRA_1PNPDE20100507_032348_000000372089_00147_42786_9404.N1	07-MAY-2010 03:23:48	Bright	37.000	111	8Eta Boo	2.6800	6000.0	74	42786	No
44	GOM_TRA_1PNPDE20100507_032703_000000452089_00147_42786_9405.N1	07-MAY-2010 03:27:03	Bright	45.000	83		2.3780	11000.	90	42786	No
45	GOM_TRA_1PNPDE20100507_033008_000000582089_00147_42786_9406.N1	07-MAY-2010 03:30:08	Bright	58.000	180	27Gam Boo	3.0400	8000.0	116	42786	No
46	GOM_TRA_1PNPDE20100507_033240_000000372089_00147_42786_9407.N1	07-MAY-2010 03:32:40	Bright	37.000	39	85Eta UMa	1.8540	24000.	74	42786	No
47	GOM_TRA_1PNPDE20100507_033407_000000352089_00147_42786_9394.N1	07-MAY-2010 03:34:07	Bright	34.500	55	79Zet UMa	2.0600	10200.	69	42786	No
48	GOM_TRA_1PNPDE20100507_033925_000000432089_00147_42786_9395.N1	07-MAY-2010 03:39:25	Bright	43.000	119	14Eta Dra	2.7270	4700.0	86	42786	No
49	GOM_TRA_1PNPDE20100507_035006_000000452089_00147_42786_9396.N1	07-MAY-2010 03:50:06	Bright	44.500	89	5Alp Cep	2.4510	8000.0	89	42786	No
50	GOM_TRA_1PNPDE20100507_035251_000000352089_00147_42786_9397.N1	07-MAY-2010 03:52:51	Bright	34.500	74	11Bet Cas	2.2680	6600.0	69	42786	No
51	GOM_TRA_1PNPDE20100507_040237_000000512089_00147_42786_9398.N1	07-MAY-2010 04:02:37	Twilight_and_stray	50.500	93	53Bet Peg	2.5200	3100.0	101	42786	No
52	GOM_TRA_1PNPDE20100507_040648_000000462089_00147_42786_9399.N1	07-MAY-2010 04:06:48	Dark	45.500	90	54Alp Peg	2.4870	11000.	91	42786	No
53	GOM_TRA_1PNPDE20100507_041954_000000472089_00147_42786_9400.N1	07-MAY-2010 04:19:54	Dark	46.500	18	24Alp PsA	1.1660	9700.0	93	42786	No
54	GOM_TRA_1PNPDE20100507_042544_000000432089_00147_42786_9401.N1	07-MAY-2010 04:25:44	Dark	43.000	31	Alp Gru	1.7340	15200.	86	42786	No
55	GOM_TRA_1PNPDE20100507_043118_000000412089_00148_42787_9402.N1	07-MAY-2010 04:31:18	Dark	41.000	45	Alp Pav	1.9400	26000.	82	42787	No
56	GOM_TRA_1PNPDE20100507_043849_000000422089_00148_42787_9403.N1	07-MAY-2010 04:38:49	Straylight	41.500	141	Bet Ara	2.8400	4600.0	83	42787	No
57	GOM_TRA_1PNPDE20100507_044100_000000572089_00148_42787_9404.N1	07-MAY-2010 04:41:00	Straylight	57.000	40	The Sco	1.8590	7100.0	114	42787	No
58	GOM_TRA_1PNPDE20100507_044255_000000412089_00148_42787_9405.N1	07-MAY-2010 04:42:55	Straylight	41.000	115	34Ups Sco	2.6960	26000.	82	42787	No
59	GOM_TRA_1PNPDE20100507_044537_000000572089_00148_42787_9406.N1	07-MAY-2010 04:45:37	Straylight	56.500	75	26Eps Sco	2.2910	4250.0	113	42787	No
60	GOM_TRA_1PNPDE20100507_044936_000000302089_00148_42787_9407.N1	07-MAY-2010 04:49:36	Twilight_and_stray	30.000	156	20Sig Sco	2.9030	28000.	60	42787	No
61	GOM_TRA_1PNPDE20100507_045105_000000572089_00148_42787_9408.N1	07-MAY-2010 04:51:05	Twilight_and_stray	57.000	80	7Del Sco	2.3160	30000.	114	42787	No
62	GOM_TRA_1PNPDE20100507_045401_000000422089_00148_42787_9409.N1	07-MAY-2010 04:54:01	Bright	42.000	122	9Alp2Lib	2.7470	9700.0	84	42787	No
63	GOM_TRA_1PNPDE20100507_045606_000000442089_00148_42787_9410.N1	07-MAY-2010 04:56:06	Bright	44.000	104	27Bet Lib	2.6140	13100.	88	42787	No
64	GOM_TRA_1PNPDE20100507_050424_000000372089_00148_42787_9411.N1	07-MAY-2010 05:04:24	Bright	36.500	111	8Eta Boo	2.6800	6000.0	73	42787	No
65	GOM_TRA_1PNPDE20100507_050739_000000452089_00148_42787_9412.N1	07-MAY-2010 05:07:39	Bright	44.500	83		2.3780	11000.	89	42787	No
66	GOM_TRA_1PNPDE20100507_051043_000000412089_00148_42787_9413.N1	07-MAY-2010 05:10:43	Bright	40.500	180	27Gam Boo	3.0400	8000.0	81	42787	No
67	GOM_TRA_1PNPDE20100507_051315_000000362089_00148_42787_9414.N1	07-MAY-2010 05:13:15	Bright	35.500	39	85Eta UMa	1.8540	24000.	71	42787	No
68	GOM_TRA_1PNPDE20100507_051442_000000372089_00148_42787_9415.N1	07-MAY-2010 05:14:42	Bright	37.000	55	79Zet UMa	2.0600	10200.	74	42787	No
69	GOM_TRA_1PNPDE20100507_052000_000000452089_00148_42787_9416.N1	07-MAY-2010 05:20:00	Bright	44.500	119	14Eta Dra	2.7270	4700.0	89	42787	No



70	GOM_TRA_1PNPDE20100507_053041_000000442089_00148_42787_9424.N1	07-MAY-2010 05:30:41	Bright	43.500	89	5Alp Cep	2.4510	8000.0	87	42787	No
71	GOM_TRA_1PNPDE20100507_053326_000000342089_00148_42787_9425.N1	07-MAY-2010 05:33:26	Bright	34.000	74	11Bet Cas	2.2680	6600.0	68	42787	No
72	GOM_TRA_1PNPDE20100507_054313_000000522089_00148_42787_9426.N1	07-MAY-2010 05:43:13	Twilight	52.000	93	53Bet Peg	2.5200	3100.0	104	42787	No
73	GOM_TRA_1PNPDE20100507_054725_000000472089_00148_42787_9427.N1	07-MAY-2010 05:47:25	Dark	47.000	90	54Alp Peg	2.4870	11000.	94	42787	No
74	GOM_TRA_1PNPDE20100507_060030_000000472089_00148_42787_9428.N1	07-MAY-2010 06:00:30	Dark	46.500	18	24Alp PsA	1.1660	9700.0	93	42787	No
75	GOM_TRA_1PNPDE20100507_060621_000000412089_00148_42787_9429.N1	07-MAY-2010 06:06:21	Dark	40.500	31	Alp Gru	1.7340	15200.	81	42787	No
76	GOM_TRA_1PNPDE20100507_061155_000000412089_00149_42788_9430.N1	07-MAY-2010 06:11:55	Dark	41.000	45	Alp Pav	1.9400	26000.	82	42788	No
77	GOM_TRA_1PNPDE20100507_061926_000000542089_00149_42788_9431.N1	07-MAY-2010 06:19:26	Straylight	54.000	141	Bet Ara	2.8400	4600.0	108	42788	No
78	GOM_TRA_1PNPDE20100507_062137_000000622089_00149_42788_9432.N1	07-MAY-2010 06:21:37	Straylight	61.500	40	The Sco	1.8590	7100.0	123	42788	No
79	GOM_TRA_1PNPDE20100507_062332_000000432089_00149_42788_9433.N1	07-MAY-2010 06:23:32	Straylight	43.000	115	34Ups Sco	2.6960	26000.	86	42788	No
80	GOM_TRA_1PNPDE20100507_062614_000000592089_00149_42788_9434.N1	07-MAY-2010 06:26:14	Straylight	58.500	75	26Eps Sco	2.2910	4250.0	117	42788	No
81	GOM_TRA_1PNPDE20100507_063012_000000342089_00149_42788_9435.N1	07-MAY-2010 06:30:12	Twilight	34.000	156	20Sig Sco	2.9030	28000.	68	42788	No
82	GOM_TRA_1PNPDE20100507_063141_000000652089_00149_42788_9436.N1	07-MAY-2010 06:31:41	Bright	65.000	80	7Del Sco	2.3160	30000.	130	42788	No
83	GOM_TRA_1PNPDE20100507_063437_000000462089_00149_42788_9437.N1	07-MAY-2010 06:34:37	Bright	45.500	122	9Alp2Lib	2.7470	9700.0	91	42788	No
84	GOM_TRA_1PNPDE20100507_063642_000000452089_00149_42788_9438.N1	07-MAY-2010 06:36:42	Bright	44.500	104	27Bet Lib	2.6140	13100.	89	42788	No
85	GOM_TRA_1PNPDE20100507_064500_000000372089_00149_42788_9439.N1	07-MAY-2010 06:45:00	Bright	36.500	111	8Eta Boo	2.6800	6000.0	73	42788	No
86	GOM_TRA_1PNPDE20100507_064814_000000432089_00149_42788_9440.N1	07-MAY-2010 06:48:14	Bright	43.000	83		2.3780	11000.	86	42788	No
87	GOM_TRA_1PNPDE20100507_065119_000000412089_00149_42788_9441.N1	07-MAY-2010 06:51:19	Bright	41.000	180	27Gam Boo	3.0400	8000.0	82	42788	No
88	GOM_TRA_1PNPDE20100507_065351_000000382089_00149_42788_9442.N1	07-MAY-2010 06:53:51	Bright	38.000	39	85Eta UMa	1.8540	24000.	76	42788	No
89	GOM_TRA_1PNPDE20100507_065519_000000382089_00149_42788_9443.N1	07-MAY-2010 06:55:19	Bright	37.500	55	79Zet UMa	2.0600	10200.	75	42788	No
90	GOM_TRA_1PNPDE20100507_070035_000000442089_00149_42788_9444.N1	07-MAY-2010 07:00:35	Bright	44.000	119	14Eta Dra	2.7270	4700.0	88	42788	No
91	GOM_TRA_1PNPDE20100507_194821_000000322089_00157_42796_9529.N1	07-MAY-2010 19:48:21	Straylight	32.000	25	35Lam Sco	1.6200	28000.	64	42796	No
92	GOM_TRA_1PNPDE20100507_195106_000000552089_00157_42796_9530.N1	07-MAY-2010 19:51:06	Straylight	54.500	75	26Eps Sco	2.2910	4250.0	109	42796	No
93	GOM_TRA_1PNPDE20100507_195503_000000532089_00157_42796_9531.N1	07-MAY-2010 19:55:03	Twilight	53.000	156	20Sig Sco	2.9030	28000.	106	42796	No
94	GOM_TRA_1PNPDE20100507_195631_000000572089_00157_42796_9532.N1	07-MAY-2010 19:56:31	Bright	57.000	80	7Del Sco	2.3160	30000.	114	42796	No
95	GOM_TRA_1PNPDE20100507_195925_000000412089_00157_42796_9533.N1	07-MAY-2010 19:59:25	Bright	41.000	122	9Alp2Lib	2.7470	9700.0	82	42796	No
96	GOM_TRA_1PNPDE20100507_200129_000000462089_00157_42796_9534.N1	07-MAY-2010 20:01:29	Bright	45.500	104	27Bet Lib	2.6140	13100.	91	42796	No
97	GOM_TRA_1PNPDE20100507_200947_000000362089_00157_42796_9535.N1	07-MAY-2010 20:09:47	Bright	36.000	111	8Eta Boo	2.6800	6000.0	72	42796	No
98	GOM_TRA_1PNPDE20100507_201259_000000452089_00157_42796_9536.N1	07-MAY-2010 20:12:59	Bright	44.500	83		2.3780	11000.	89	42796	No
99	GOM_TRA_1PNPDE20100507_201604_000000422089_00157_42796_9537.N1	07-MAY-2010 20:16:04	Bright	41.500	180	27Gam Boo	3.0400	8000.0	83	42796	No
100	GOM_TRA_1PNPDE20100507_201837_000000392089_00157_42796_9538.N1	07-MAY-2010 20:18:37	Bright	38.500	39	85Eta UMa	1.8540	24000.	77	42796	No
101	GOM_TRA_1PNPDE20100507_202518_000000592089_00157_42796_9539.N1	07-MAY-2010 20:25:18	Bright	59.000	119	14Eta Dra	2.7270	4700.0	118	42796	No
102	GOM_TRA_1PNPDE20100507_203601_000000632089_00157_42796_9540.N1	07-MAY-2010 20:36:01	Bright	63.000	89	5Alp Cep	2.4510	8000.0	126	42796	No
103	GOM_TRA_1PNPDE20100507_203850_000000382089_00157_42796_9541.N1	07-MAY-2010 20:38:50	Bright	37.500	74	11Bet Cas	2.2680	6600.0	75	42796	No
104	GOM_TRA_1PNPDE20100507_204839_000000532089_00157_42796_9542.N1	07-MAY-2010 20:48:39	Twilight	52.500	93	53Bet Peg	2.5200	3100.0	105	42796	No
105	GOM_TRA_1PNPDE20100507_205252_000000492089_00157_42796_9545.N1	07-MAY-2010 20:52:52	Dark	48.500	90	54Alp Peg	2.4870	11000.	97	42796	Yes
106	GOM_TRA_1PNPDE20100507_210559_000000482089_00157_42796_9546.N1	07-MAY-2010 21:05:59	Dark	48.000	18	24Alp PsA	1.1660	9700.0	96	42796	No
107	GOM_TRA_1PNPDE20100507_211150_000000412089_00157_42796_9547.N1	07-MAY-2010 21:11:50	Dark	41.000	31	Alp Gru	1.7340	15200.	82	42796	No
108	GOM_TRA_1PNPDE20100507_211725_000000412089_00158_42797_9548.N1	07-MAY-2010 21:17:25	Dark	41.000	45	Alp Pav	1.9400	26000.	82	42797	No
109	GOM_TRA_1PNPDE20100507_212454_000000502089_00158_42797_9549.N1	07-MAY-2010 21:24:54	Straylight	50.000	141	Bet Ara	2.8400	4600.0	100	42797	No
110	GOM_TRA_1PNPDE20100507_212707_000000562089_00158_42797_9550.N1	07-MAY-2010 21:27:07	Straylight	56.000	40	The Sco	1.8590	7100.0	112	42797	No
111	GOM_TRA_1PNPDE20100507_212858_000000322089_00158_42797_9551.N1	07-MAY-2010 21:28:58	Straylight	32.000	25	35Lam Sco	1.6200	28000.	64	42797	No
112	GOM_TRA_1PNPDE20100507_213143_000000552089_00158_42797_9552.N1	07-MAY-2010 21:31:43	Straylight	55.000	75	26Eps Sco	2.2910	4250.0	110	42797	No
113	GOM_TRA_1PNPDE20100507_213539_000000532089_00158_42797_9553.N1	07-MAY-2010 21:35:39	Twilight	53.000	156	20Sig Sco	2.9030	28000.	106	42797	No
114	GOM_TRA_1PNPDE20100507_213707_000000562089_00158_42797_9554.N1	07-MAY-2010 21:37:07	Bright	55.500	80	7Del Sco	2.3160	30000.	111	42797	No
115	GOM_TRA_1PNPDE20100507_214001_000000402089_00158_42797_9555.N1	07-MAY-2010 21:40:01	Bright	39.500	122	9Alp2Lib	2.7470	9700.0	79	42797	No
116	GOM_TRA_1PNPDE20100507_214205_000000452089_00158_42797_9556.N1	07-MAY-2010 21:42:05	Bright	44.500	104	27Bet Lib	2.6140	13100.	89	42797	No
117	GOM_TRA_1PNPDE20100507_215022_000000362089_00158_42797_9557.N1	07-MAY-2010 21:50:22	Bright	36.000	111	8Eta Boo	2.6800	6000.0	72	42797	No
118	GOM_TRA_1PNPDE20100507_215334_000000412089_00158_42797_9558.N1	07-MAY-2010 21:53:34	Bright	41.000	83		2.3780	11000.	82	42797	No
119	GOM_TRA_1PNPDE20100507_215639_000000402089_00158_42797_9559.N1	07-MAY-2010 21:56:39	Bright	40.000	180	27Gam Boo	3.0400	8000.0	80	42797	No
120	GOM_TRA_1PNPDE20100507_215914_000000372089_00158_42797_9560.N1	07-MAY-2010 21:59:14	Bright	37.000	39	85Eta UMa	1.8540	24000.	74	42797	No
121	GOM_TRA_1PNPDE20100507_220553_000000442089_00158_42797_9561.N1	07-MAY-2010 22:05:53	Bright	43.500	119	14Eta Dra	2.7270	4700.0	87	42797	No
122	GOM_TRA_1PNPDE20100507_221637_000000452089_00158_42797_9562.N1	07-MAY-2010 22:16:37	Bright	44.500	89	5Alp Cep	2.4510	8000.0	89	42797	No
123	GOM_TRA_1PNPDE20100507_221926_000000372089_00158_42797_9563.N1	07-MAY-2010 22:19:26	Bright	37.000	74	11Bet Cas	2.2680	6600.0	74	42797	No
124	GOM_TRA_1PNPDE20100507_222915_000000512089_00158_42797_9564.N1	07-MAY-2010 22:29:15	Twilight	51.000	93	53Bet Peg	2.5200	3100.0	102	42797	No
125	GOM_TRA_1PNPDE20100507_223328_000000482089_00158_42797_9565.N1	07-MAY-2010 22:33:28	Dark	48.000	90	54Alp Peg	2.4870	11000.	96	42797	No
126	GOM_TRA_1PNPDE20100507_224636_000000462089_00158_42797_9566.N1	07-MAY-2010 22:46:36	Dark	45.500	18	24Alp PsA	1.1660	9700.0	91	42797	No
127	GOM_TRA_1PNPDE20100507_225226_000000432089_00158_42797_9567.N1	07-MAY-2010 22:52:26	Dark	43.000	31	Alp Gru	1.7340	15200.	86	42797	No
128	GOM_TRA_1PNPDE20100507_225801_000000402089_00159_42798_9568.N1	07-MAY-2010 22:58:01	Dark	40.000	45	Alp Pav	1.9400	26000.	80	42798	No

129	GOM_TRA_1PNPDE20100507_230531_000000522089_00159_42798_9569.N1	07-MAY-2010 23:05:31	Straylight	51.500	141	Bet Ara	2.8400	4600.0	103	42798	No
130	GOM_TRA_1PNPDE20100507_230744_000000532089_00159_42798_9570.N1	07-MAY-2010 23:07:44	Straylight	52.500	40	The Sco	1.8590	7100.0	105	42798	No
131	GOM_TRA_1PNPDE20100507_230934_000000342089_00159_42798_9571.N1	07-MAY-2010 23:09:34	Straylight	34.000	25	35Lam Sco	1.6200	28000.	68	42798	No
132	GOM_TRA_1PNPDE20100507_231219_000000572089_00159_42798_9572.N1	07-MAY-2010 23:12:19	Straylight	57.000	75	26Eps Sco	2.2910	4250.0	114	42798	No
133	GOM_TRA_1PNPDE20100507_231455_000000252089_00159_42798_9573.N1	07-MAY-2010 23:14:55	Twilight_and_stray	25.000	136	23Tau Sco	2.8220	30000.	50	42798	No
134	GOM_TRA_1PNPDE20100507_231615_000000542089_00159_42798_9574.N1	07-MAY-2010 23:16:15	Twilight_and_stray	53.500	156	20Sig Sco	2.9030	28000.	107	42798	No
135	GOM_TRA_1PNPDE20100507_231743_000000582089_00159_42798_9575.N1	07-MAY-2010 23:17:43	Bright	57.500	80	7Del Sco	2.3160	30000.	115	42798	No
136	GOM_TRA_1PNPDE20100507_232037_000000402089_00159_42798_9576.N1	07-MAY-2010 23:20:37	Bright	40.000	122	9Alp2Lib	2.7470	9700.0	80	42798	No
137	GOM_TRA_1PNPDE20100507_232241_000000452089_00159_42798_9577.N1	07-MAY-2010 23:22:41	Bright	44.500	104	27Bet Lib	2.6140	13100.	89	42798	No
138	GOM_TRA_1PNPDE20100507_233058_000000372089_00159_42798_9578.N1	07-MAY-2010 23:30:58	Bright	36.500	111	8Eta Boo	2.6800	6000.0	73	42798	No
139	GOM_TRA_1PNPDE20100507_233409_000000402089_00159_42798_9579.N1	07-MAY-2010 23:34:09	Bright	40.000	83		2.3780	11000.	80	42798	No
140	GOM_TRA_1PNPDE20100507_233715_000000372089_00159_42798_9580.N1	07-MAY-2010 23:37:15	Bright	37.000	180	27Gam Boo	3.0400	8000.0	74	42798	No
141	GOM_TRA_1PNPDE20100507_233949_000000382089_00159_42798_9581.N1	07-MAY-2010 23:39:49	Bright	37.500	39	85Eta UMa	1.8540	24000.	75	42798	No
142	GOM_TRA_1PNPDE20100507_234629_000000442089_00159_42798_9582.N1	07-MAY-2010 23:46:29	Bright	44.000	119	14Eta Dra	2.7270	4700.0	88	42798	No
143	GOM_TRA_1PNPDE20100507_235712_000000452089_00159_42798_9583.N1	07-MAY-2010 23:57:12	Bright	44.500	89	5Alp Cep	2.4510	8000.0	89	42798	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).

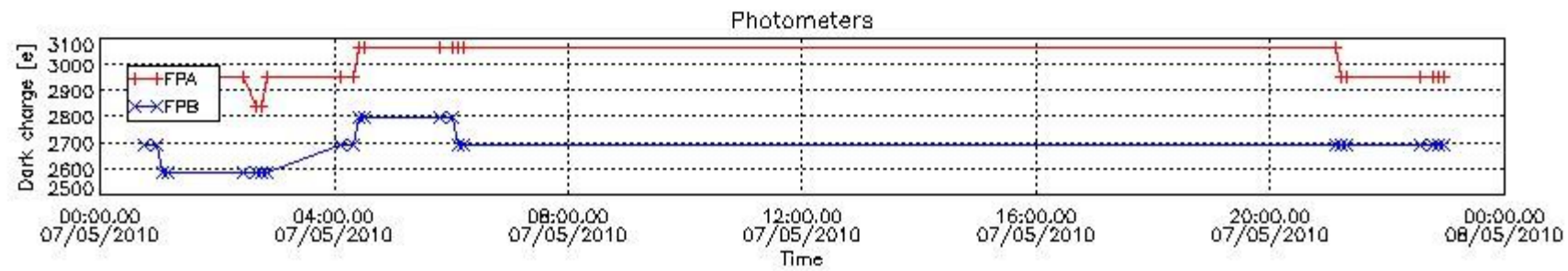
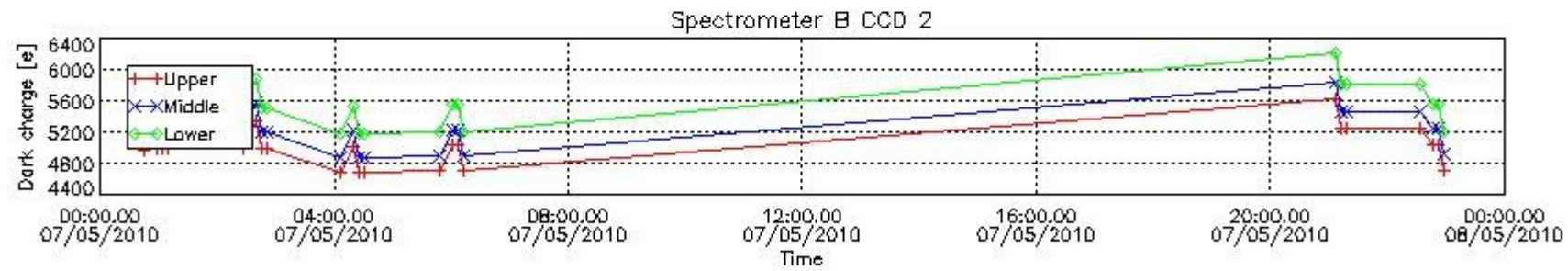
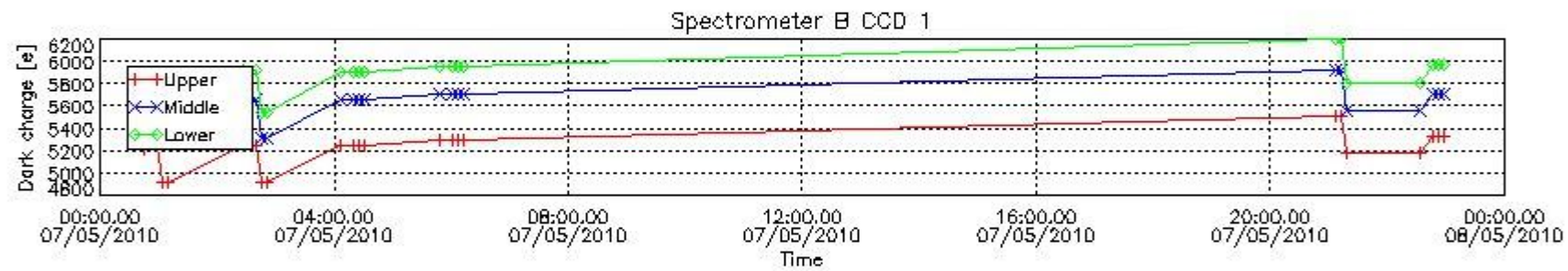
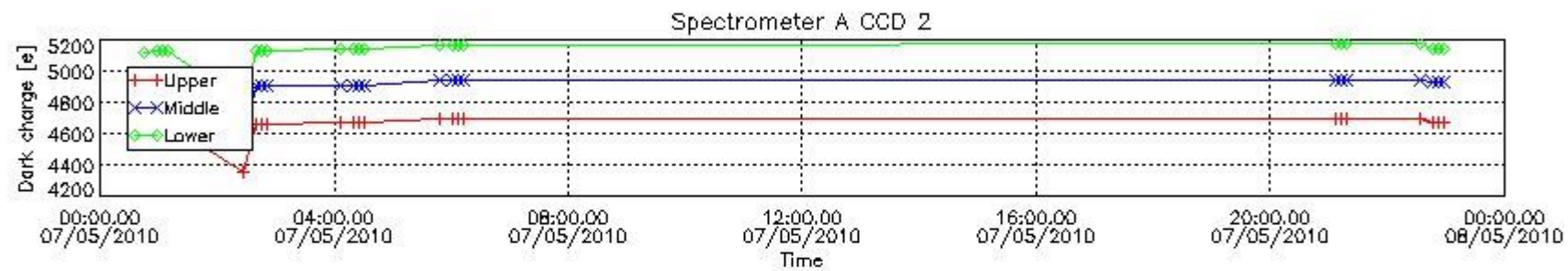
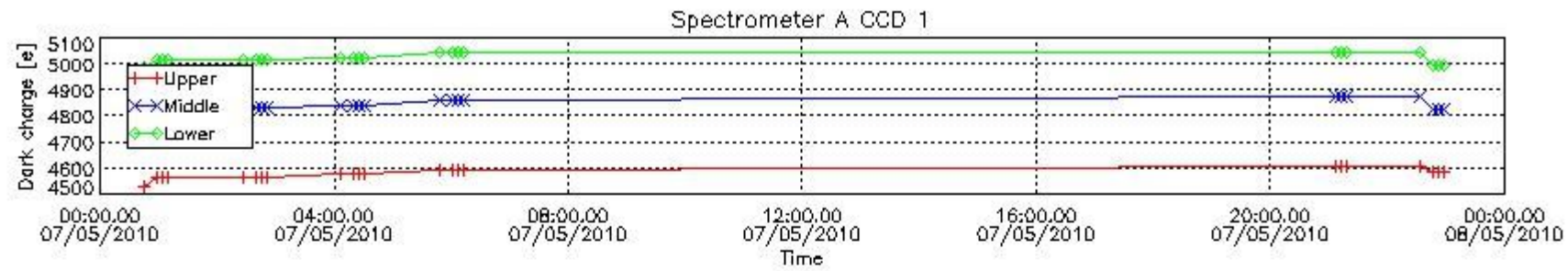
In this section a list of products that did not use the Dark Sky Area (DSA) observation for the DC computation is given. It is also provided the mean DC plot per product for dark limb products with no error flag set.

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

Product name	DC information
GOM_TRA_1PNPDE20100507_194821_000000322089_00157_42796_9529.N1	DC map used
GOM_TRA_1PNPDE20100507_195106_000000552089_00157_42796_9530.N1	DC map used
GOM_TRA_1PNPDE20100507_195503_000000532089_00157_42796_9531.N1	DC map used
GOM_TRA_1PNPDE20100507_195631_000000572089_00157_42796_9532.N1	DC map used
GOM_TRA_1PNPDE20100507_195925_000000412089_00157_42796_9533.N1	DC map used
GOM_TRA_1PNPDE20100507_200129_000000462089_00157_42796_9534.N1	DC map used
GOM_TRA_1PNPDE20100507_200947_000000362089_00157_42796_9535.N1	DC map used
GOM_TRA_1PNPDE20100507_201259_000000452089_00157_42796_9536.N1	DC map used
GOM_TRA_1PNPDE20100507_201604_000000422089_00157_42796_9537.N1	DC map used
GOM_TRA_1PNPDE20100507_201837_000000392089_00157_42796_9538.N1	DC map used
GOM_TRA_1PNPDE20100507_202518_000000592089_00157_42796_9539.N1	DC map used
GOM_TRA_1PNPDE20100507_203601_000000632089_00157_42796_9540.N1	DC map used
GOM_TRA_1PNPDE20100507_203850_000000382089_00157_42796_9541.N1	DC map used
GOM_TRA_1PNPDE20100507_204839_000000532089_00157_42796_9542.N1	DC map used

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





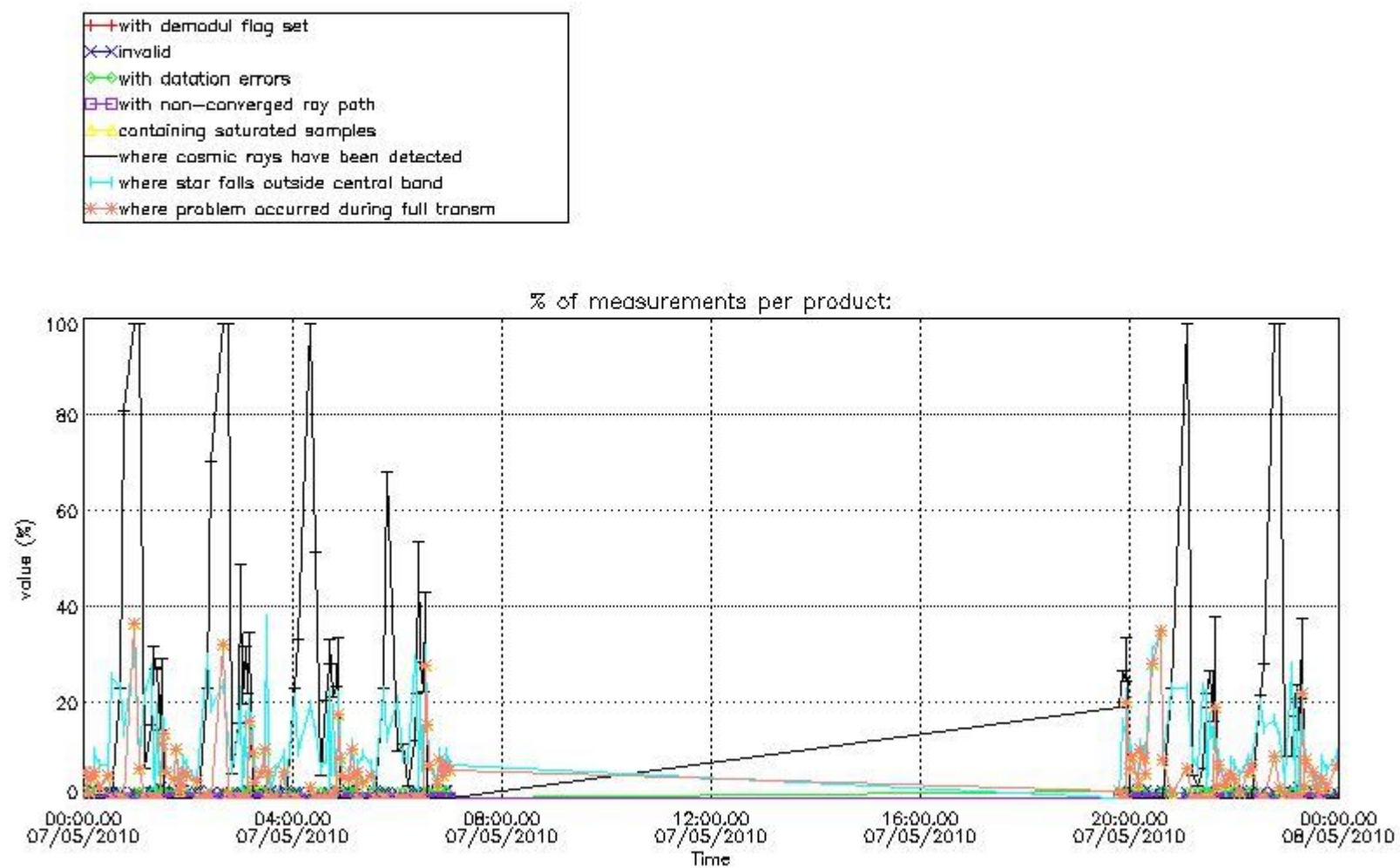
## 5. Demodulation flag and quality information monitoring

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:

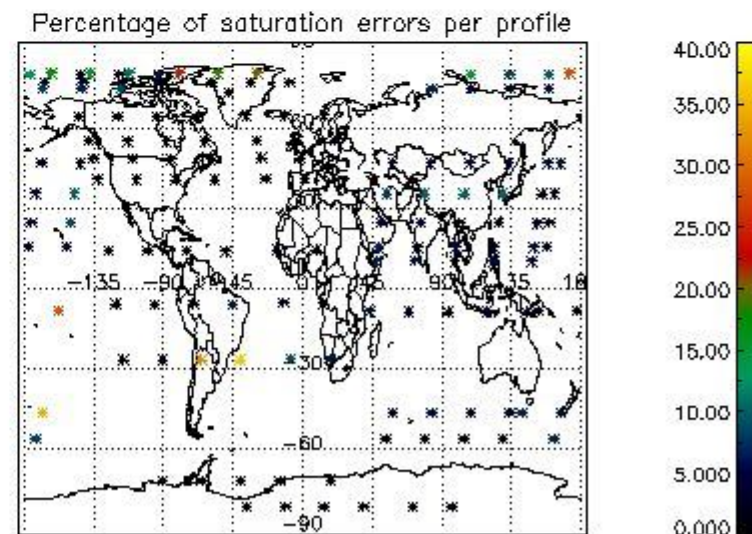
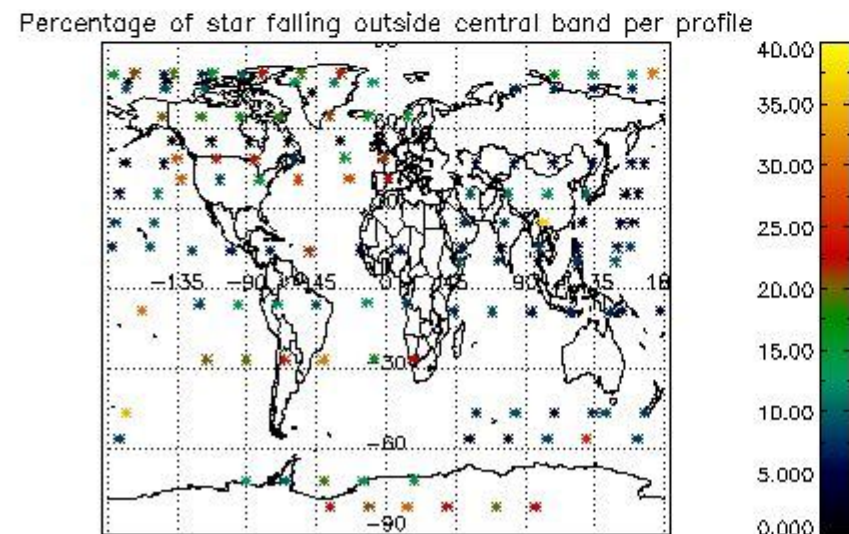
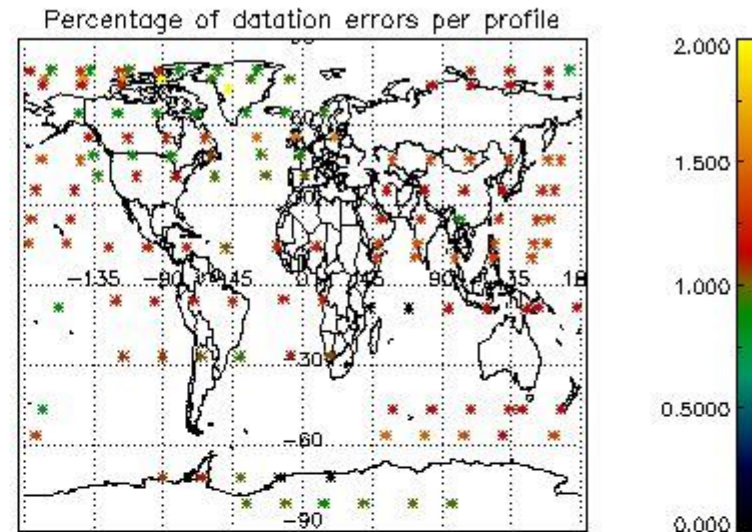
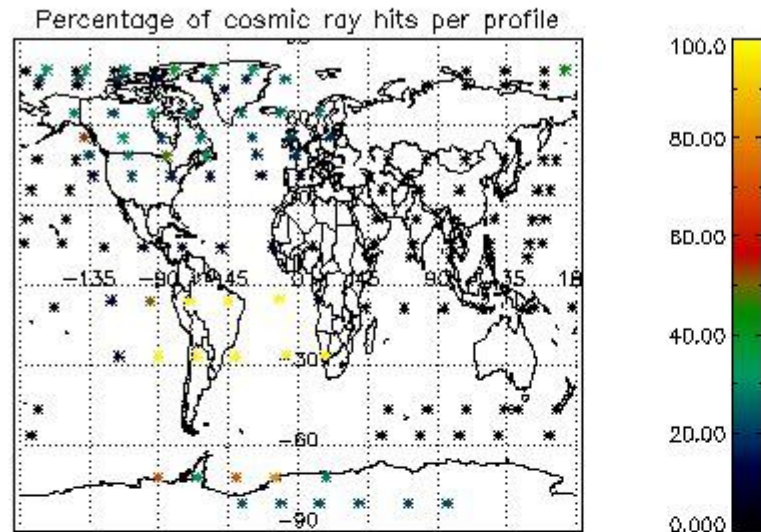
At least one measurement with demodulation flag set:	40.1408 %
Reference spectrum computed from DB:	0.00000 %
Reference spectrum with small number of measurements:	0.00000 %
SATU data not used:	0.00000 %

5.2 Plot quality information per product (time dependant)



5.3 Plot quality information per product (world map)





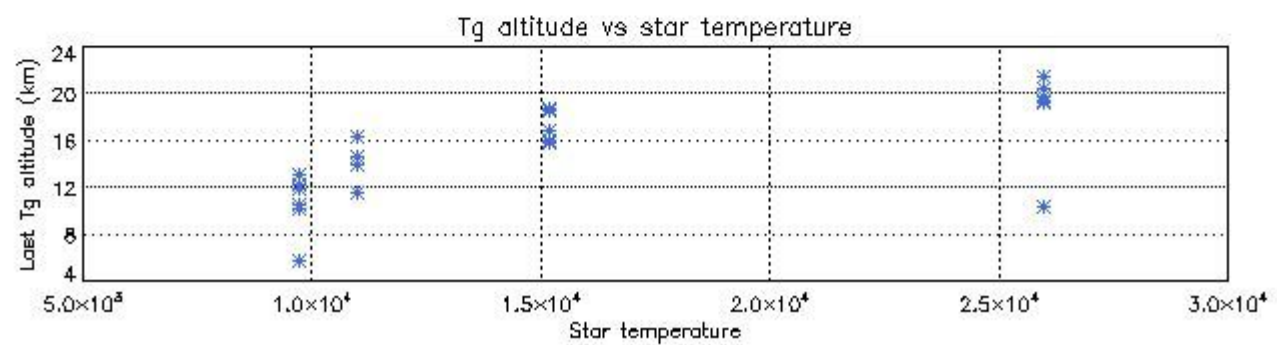
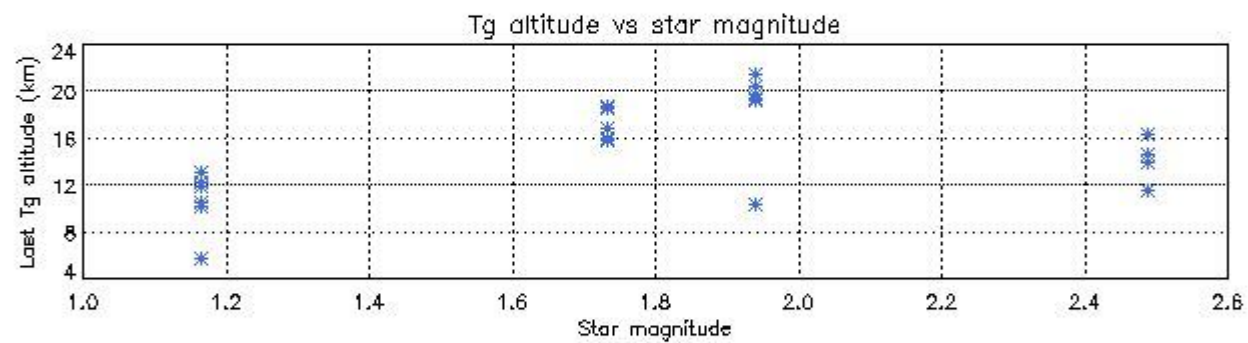
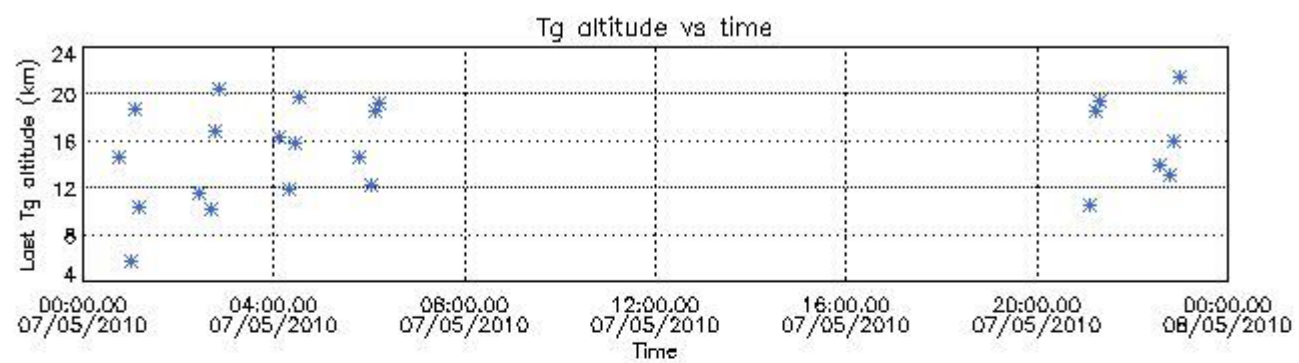
## 6. Statistics and plot of tangent altitude of the last measurement (DARK & BRIGHT products without errors)

### 6.1 Statistics on tangent altitude lost:

Statistics	DARK	BRIGHT	TWILIGHT
Mean:	15.184	19.240	NaN
St. deviation:	4.0692	4.6870	NaN
Maximum:	21.395	27.229	NaN
Minimum:	5.6750	3.7900	NaN
Number of data:	23.000	76.000	NaN

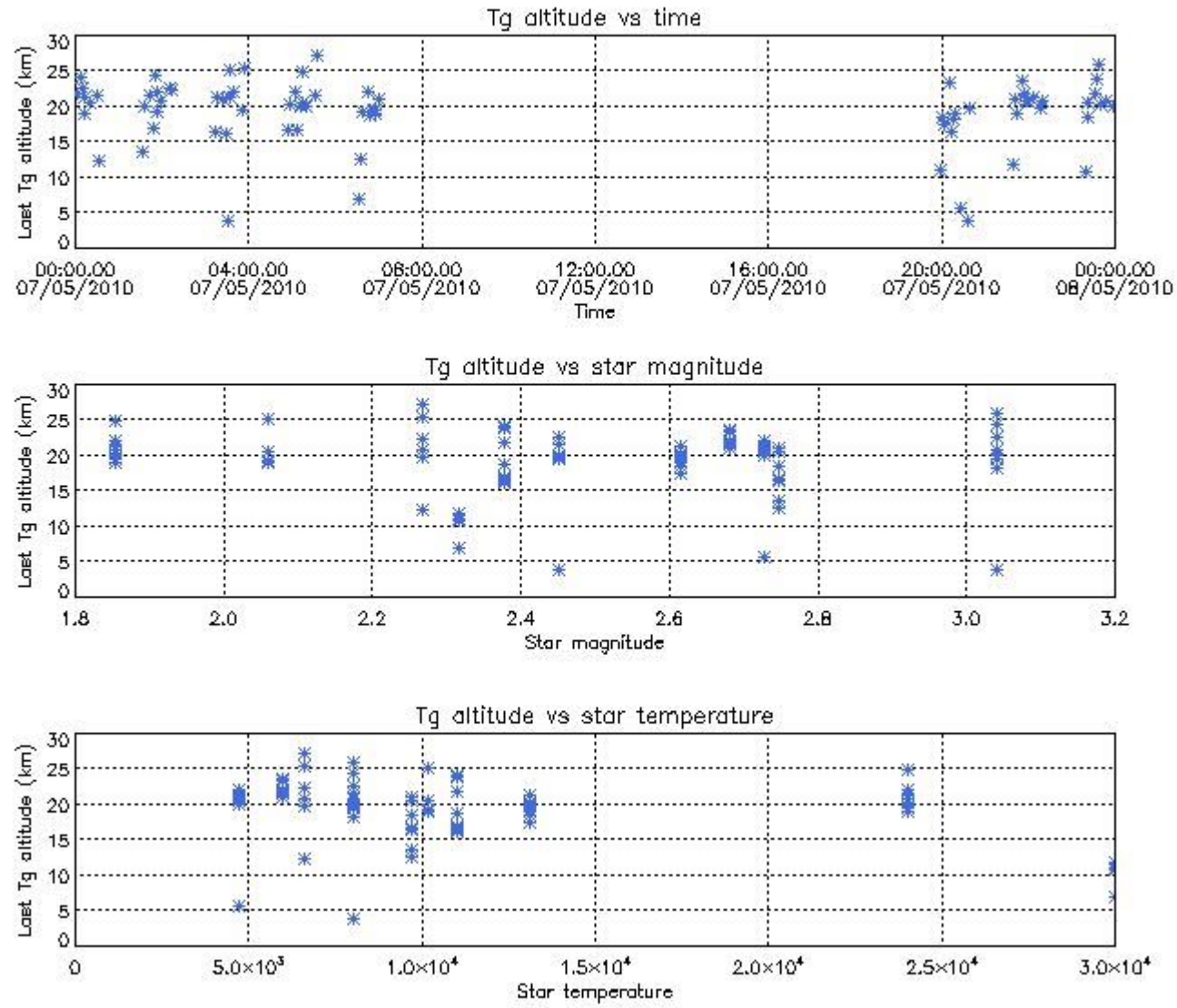
### 6.2 Plot for DARK limb products

Tangent altitude at which the star is lost



6.3 Plot for BRIGHT limb products

## Tangent altitude at which the star is lost



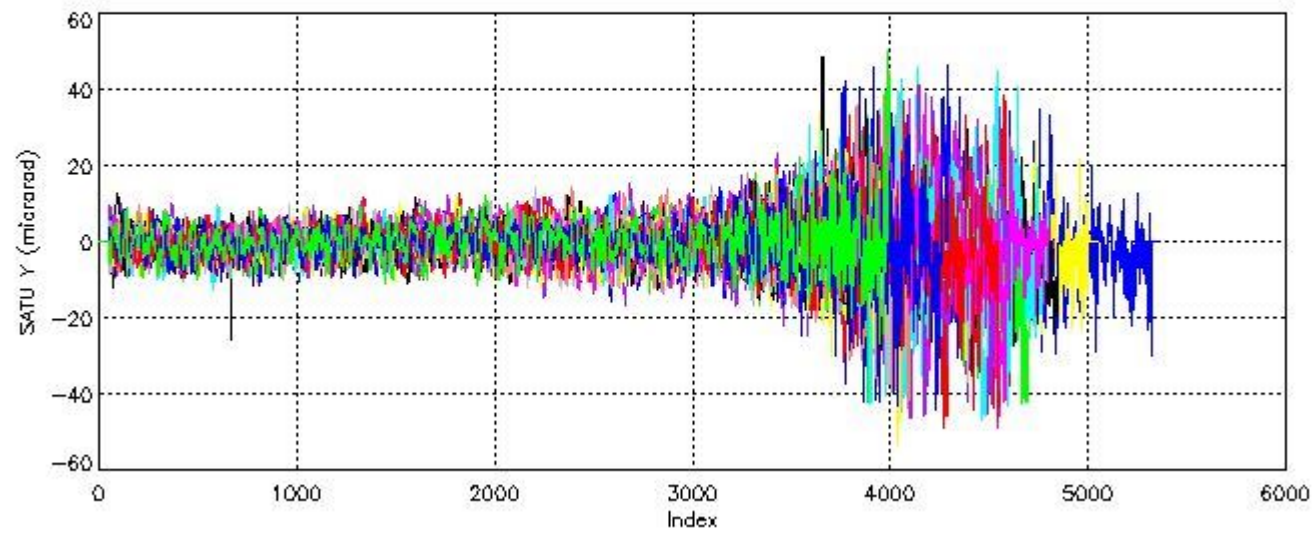
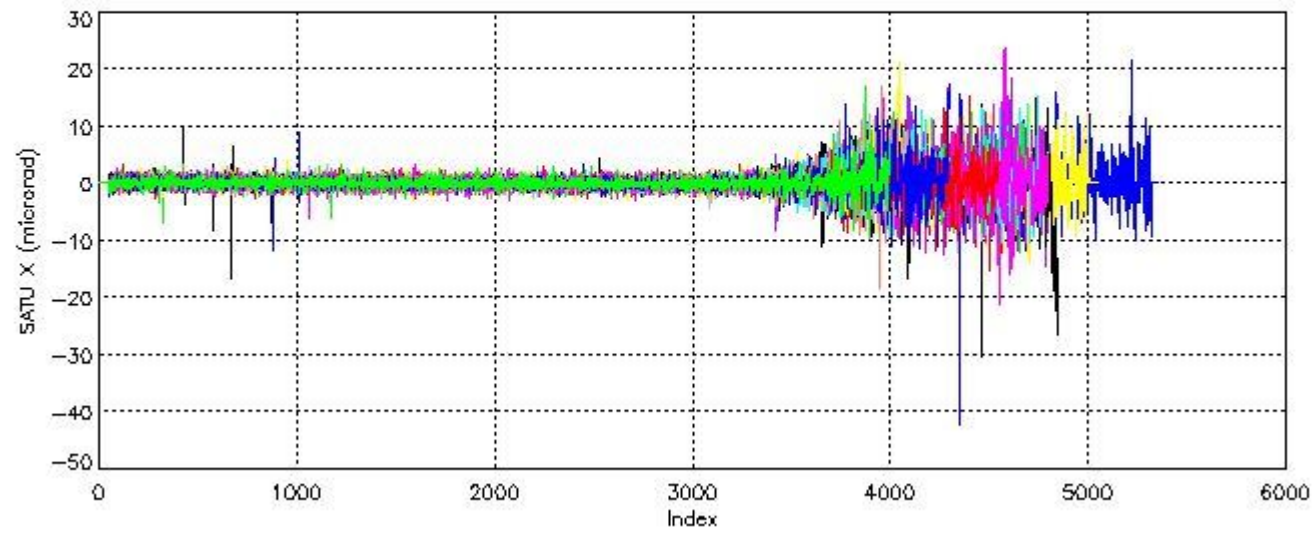
## 7. Star Acquisition and Tracking Unit (SATU)

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:	0.12814	-0.82248	0.20971	-0.83793
St. deviation:	0.59391	3.1210	0.90249	3.4083
Maximum:	9.6000	12.800	5.4000	16.000
Minimum:	-16.600	-25.900	-6.1000	-15.300

Number of data:	22400.	22400.	73450.	73450.
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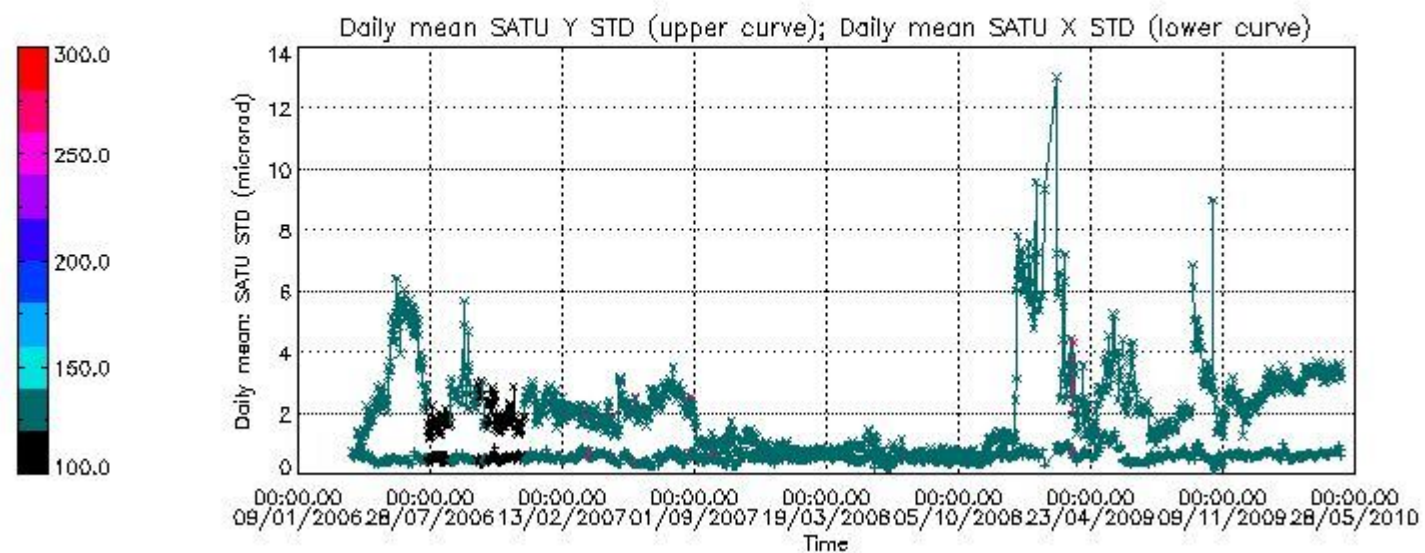
### 7.2.2 Trend of daily SATU NEA St. deviation since 1st April 2006 (dark limb)

The long term trend of the SATU 'X' and 'Y' standard deviations should be constant during the whole mission.

The colorbar represents the start tangent altitude (km) of the occultations.

Upper curve: STD of SATU Y axis

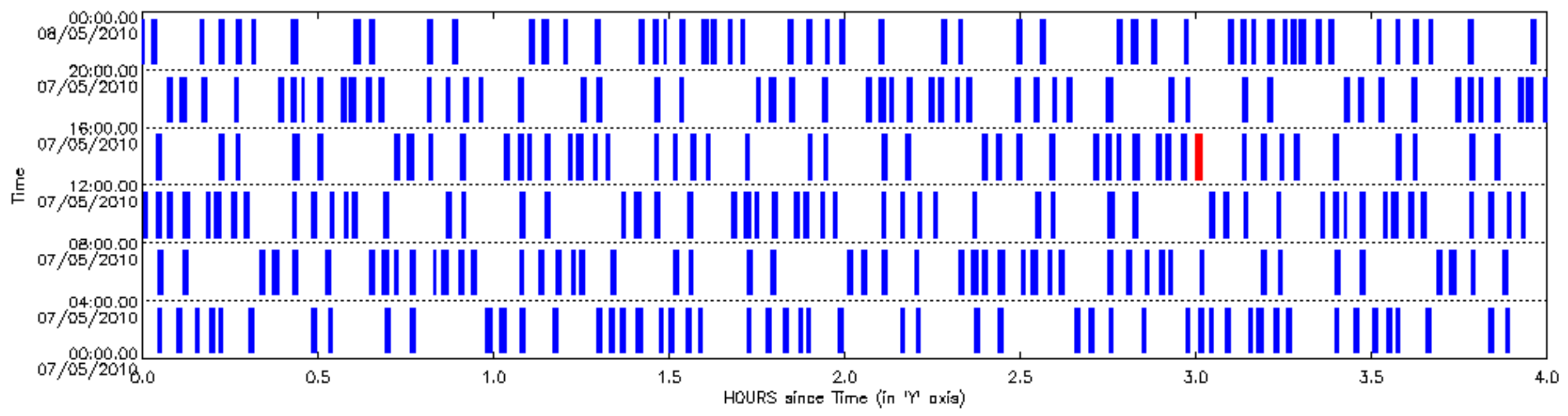
Lower curve: STD of SATU X axis



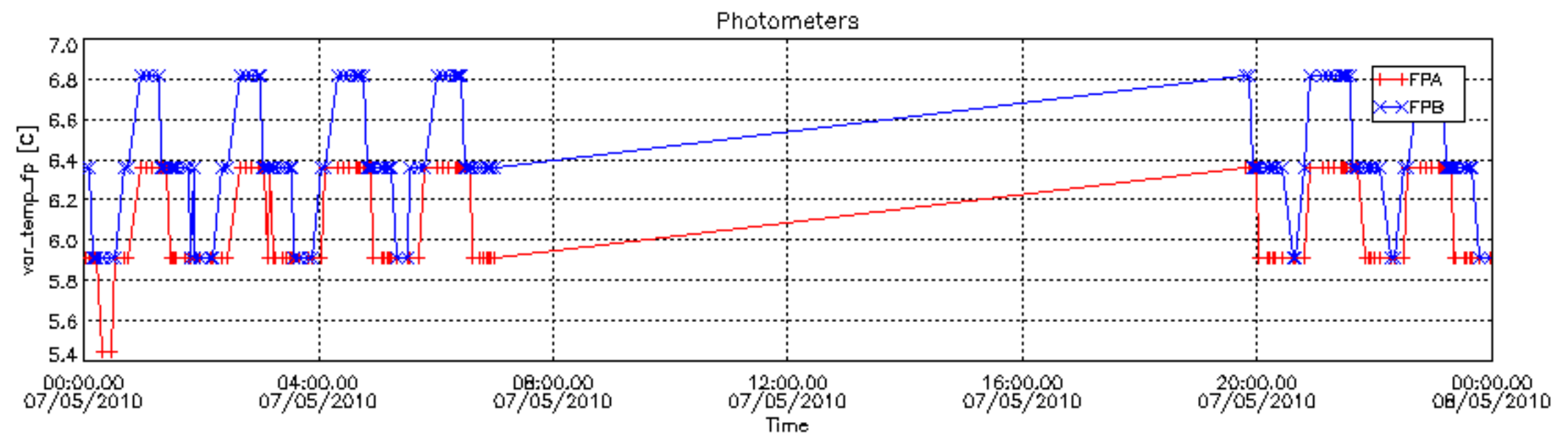
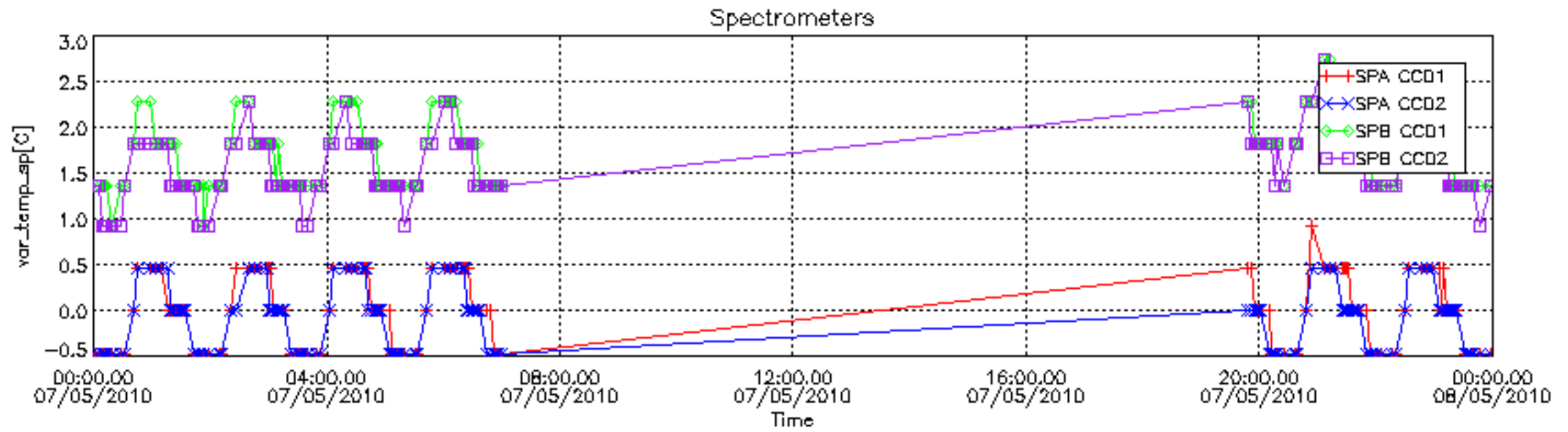
### 8. Auxiliary Data Files used for the production reported in section 2.4

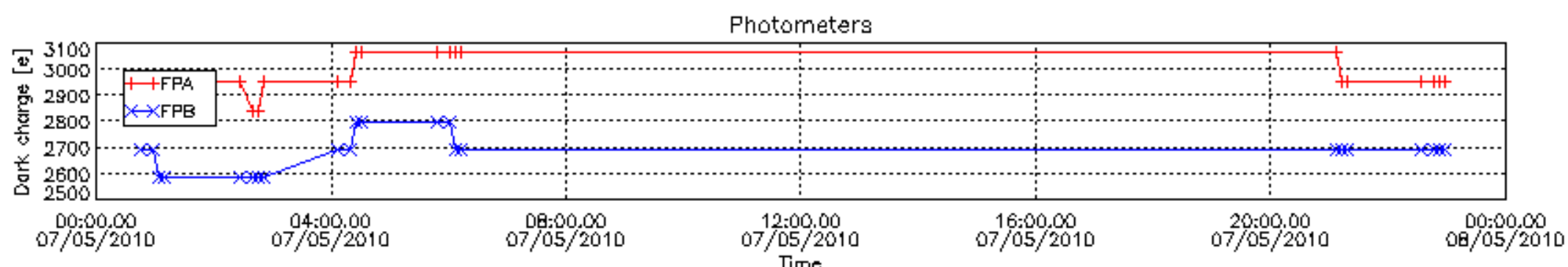
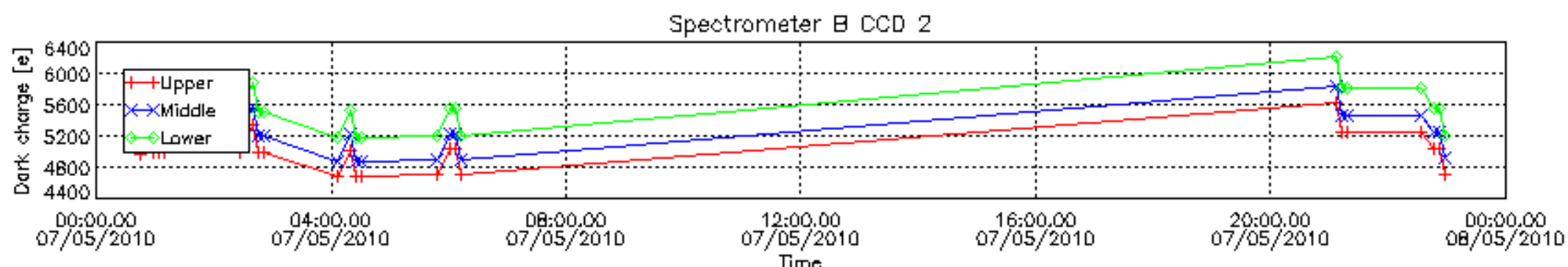
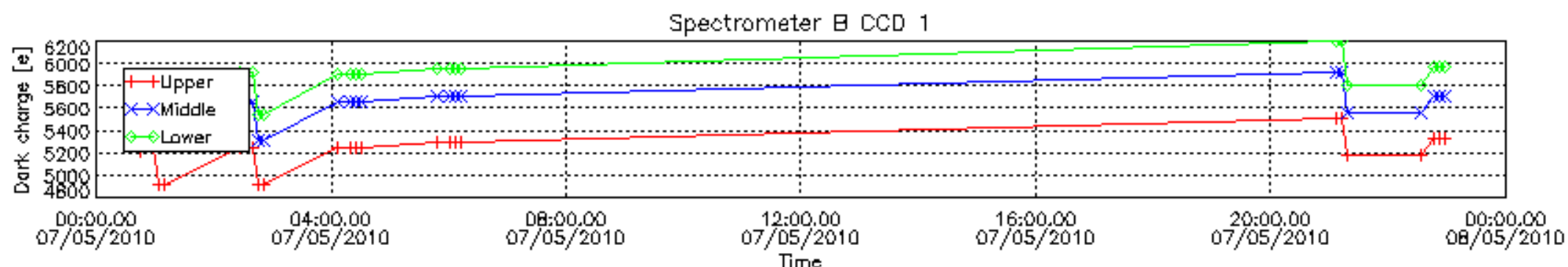
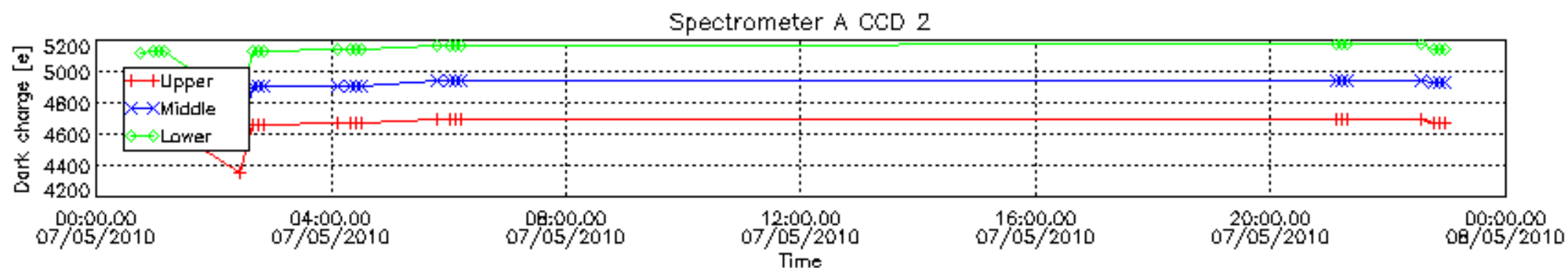
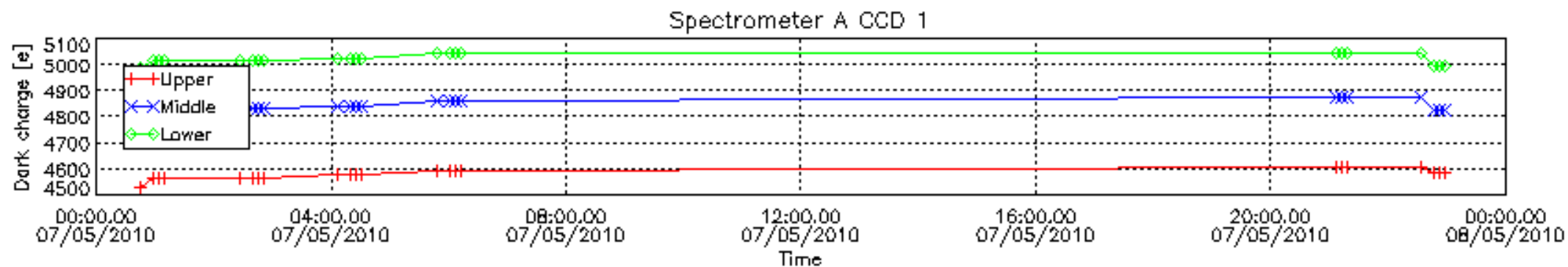
The number reported in the third column indicates since which file (see list in section 2.4) the corresponding auxiliary file has been used. The fourth column is the date of those product files.

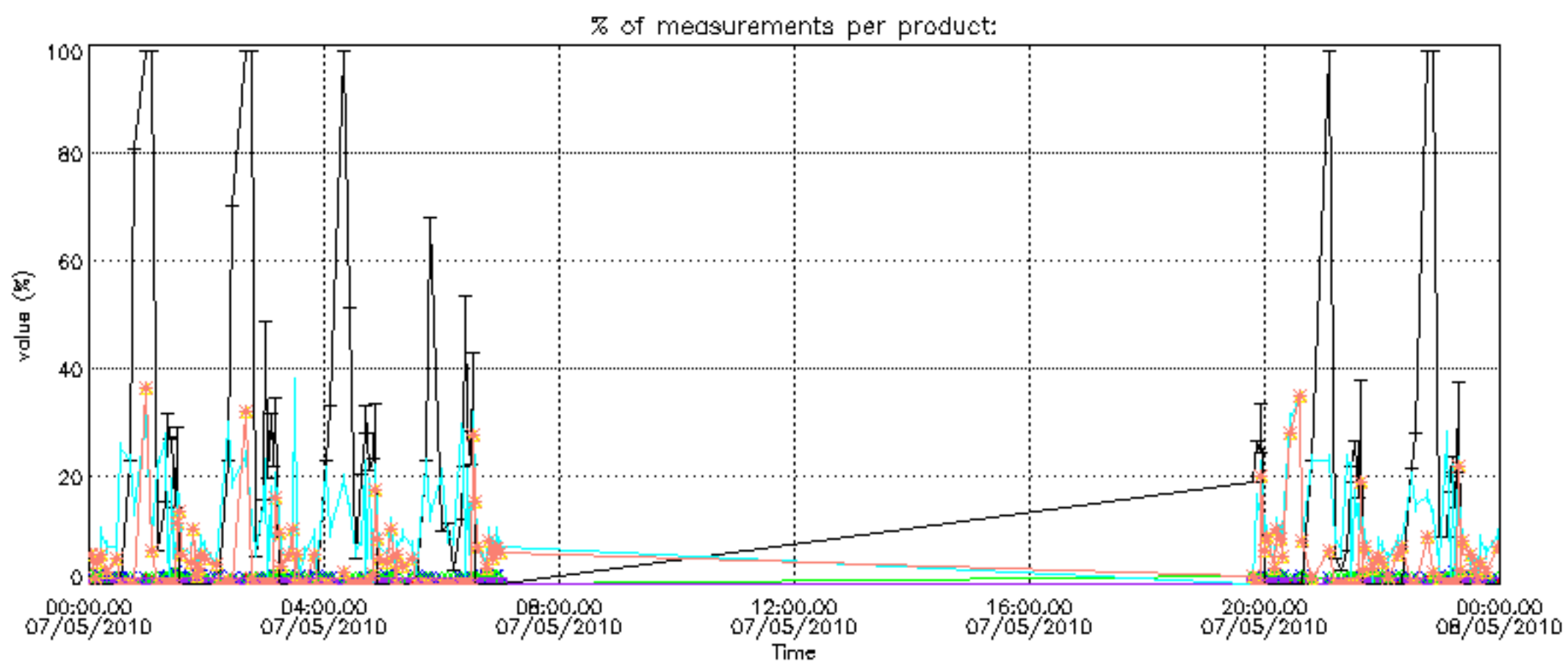
Type	Auxiliary Filename	Used since product	Used since product date
INST_PHYS_CHARACTERISTICS	GOM_INS_AXVIEC20091111_143220_20030716_120000_20500101_000000	1	07-MAY-2010 00:02:37
CALIBRATION_DATABASE	GOM_CAL_AXVIEC20100504_084318_20100501_000000_20500101_000000	1	07-MAY-2010 00:02:37
LEVEL-1B_PROC_CONFIG	GOM_PR1_AXVIEC20091111_145255_20020301_000000_20500101_000000	1	07-MAY-2010 00:02:37
STAR_CATALOGUE	GOM_CAT_AXVIEC20020121_161009_20020101_000000_20200101_000000	1	07-MAY-2010 00:02:37
STELLAR_SPECTRA_DATABANK	GOM_STS_AXVIEC20091111_151504_20020101_160000_20500101_000000	1	07-MAY-2010 00:02:37
ECMWF_FILE	AUX_ECF_AXNECM20100506_054118_20100506_210000_20100507_090000	1	07-MAY-2010 00:02:37
ECMWF_FILE	AUX_ECF_AXNECM20100506_172120_20100507_030000_20100507_150000	47	07-MAY-2010 03:34:07
ECMWF_FILE	AUX_ECA_AXNECM20100507_052117_20100506_210000_20100507_090000	70	07-MAY-2010 05:30:41
ECMWF_FILE	AUX_ECA_AXNECM20100507_172027_20100507_090000_20100507_210000	91	07-MAY-2010 19:48:21
ECMWF_FILE	AUX_ECF_AXNECM20100507_052117_20100507_150000_20100508_030000	105	07-MAY-2010 20:52:52
ECMWF_FILE	AUX_ECF_AXNECM20100507_054117_20100507_210000_20100508_090000	126	07-MAY-2010 22:46:36
OPTIONAL_ECMWF_FILE	MISSING	1	07-MAY-2010 00:02:37
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20100506_230736_000057382089_00144_42783_0300.N1	1	07-MAY-2010 00:02:37
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20100507_004833_000095642089_00145_42784_0301.N1	11	07-MAY-2010 00:58:41
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20100507_033316_000063762089_00147_42786_0302.N1	47	07-MAY-2010 03:34:07
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20100507_052450_000057382089_00148_42787_0303.N1	70	07-MAY-2010 05:30:41
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20100507_194534_000038252089_00157_42796_0304.N1	91	07-MAY-2010 19:48:21
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20100507_204920_000063762089_00157_42796_0305.N1	105	07-MAY-2010 20:52:52
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20100507_223535_000060572089_00158_42797_0306.N1	126	07-MAY-2010 22:46:36





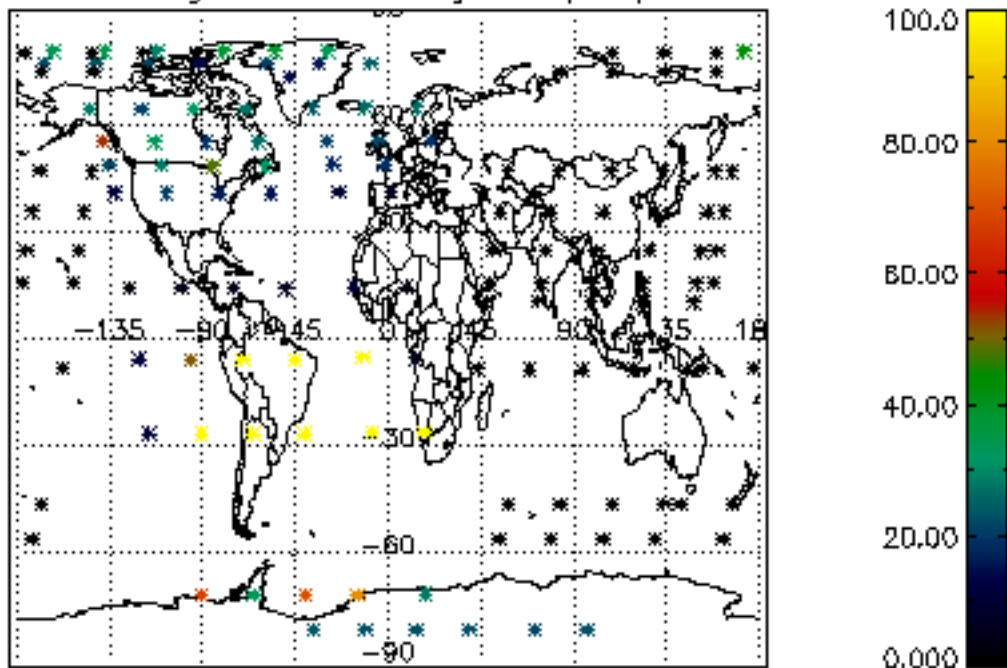




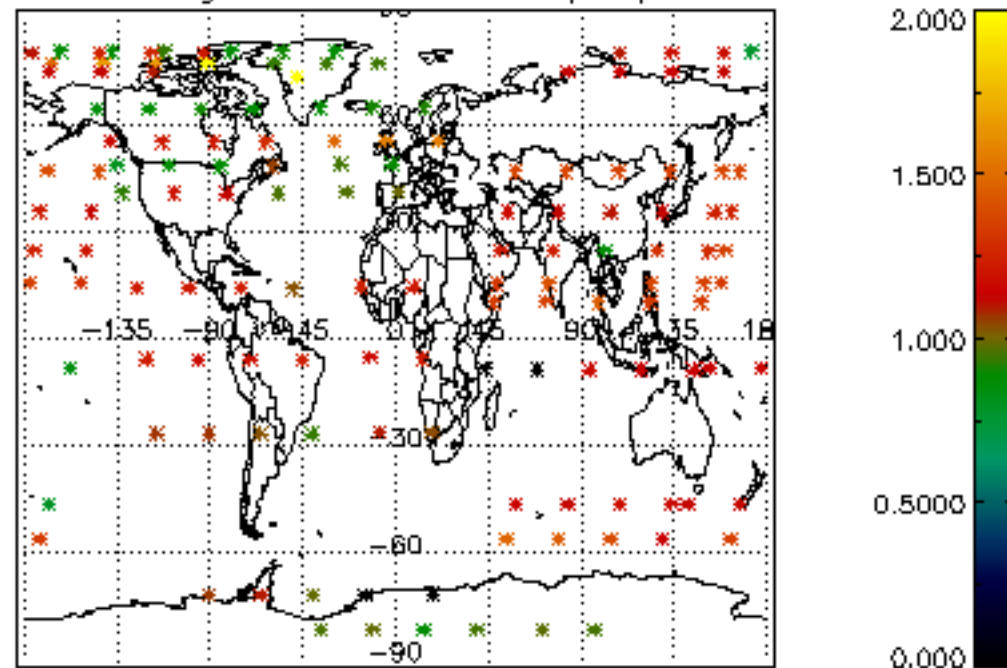




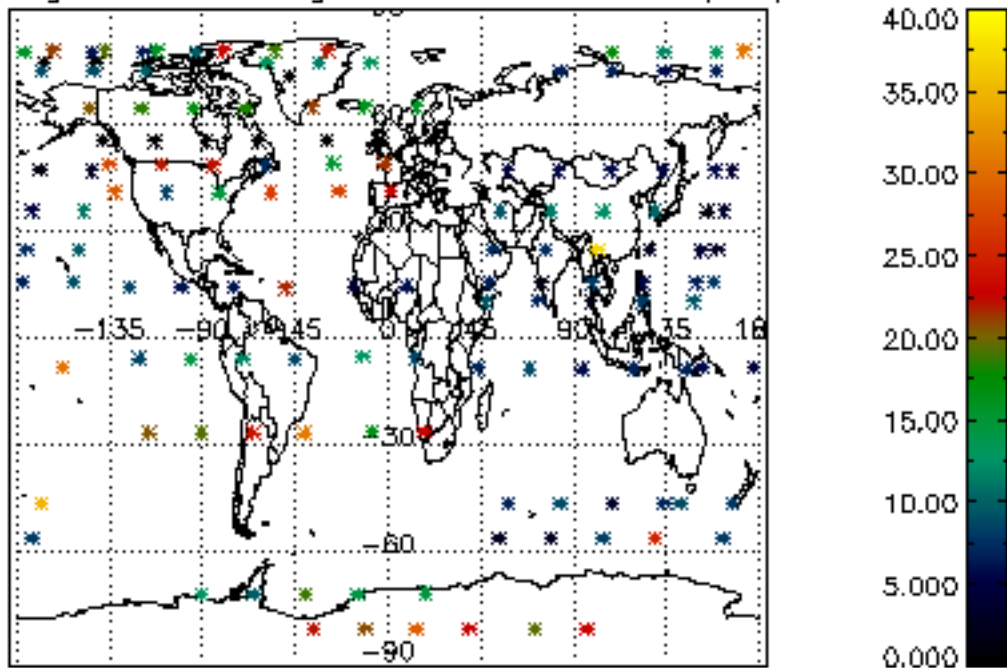
Percentage of cosmic ray hits per profile



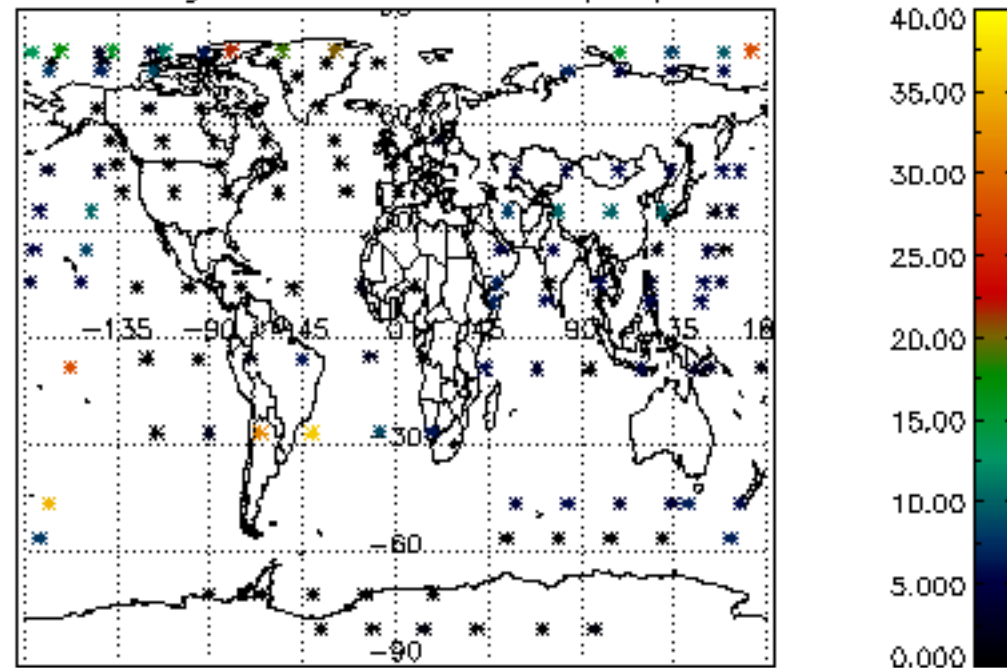
Percentage of datation errors per profile



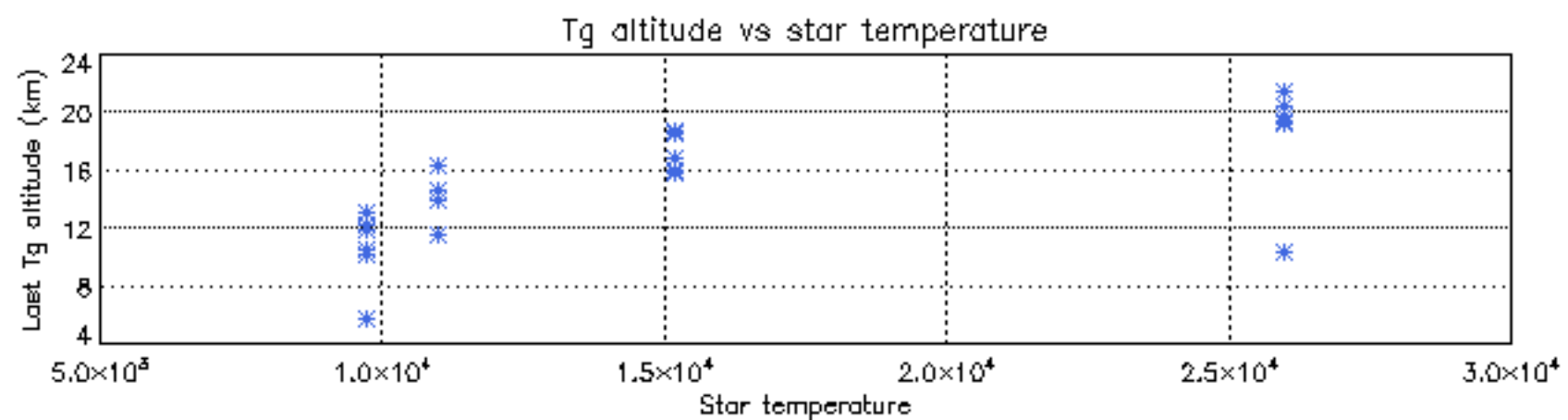
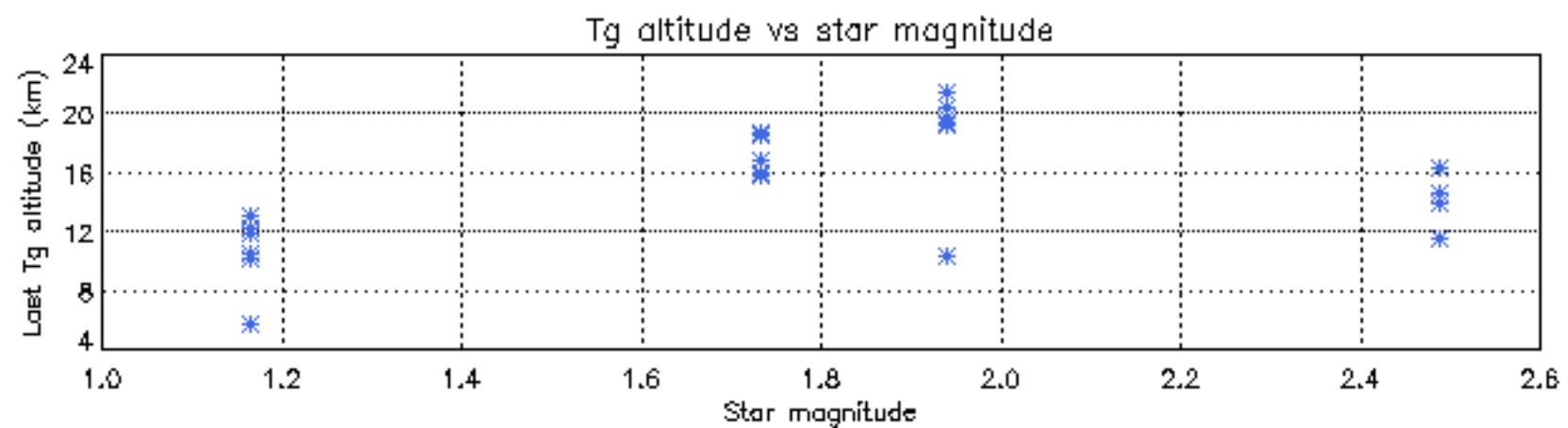
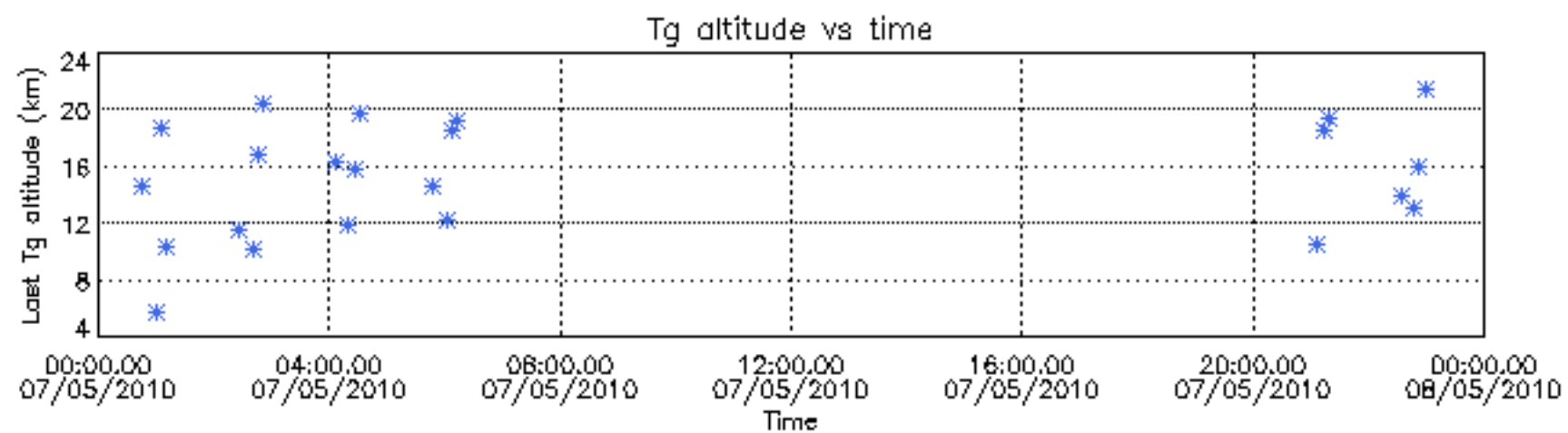
Percentage of star falling outside central band per profile



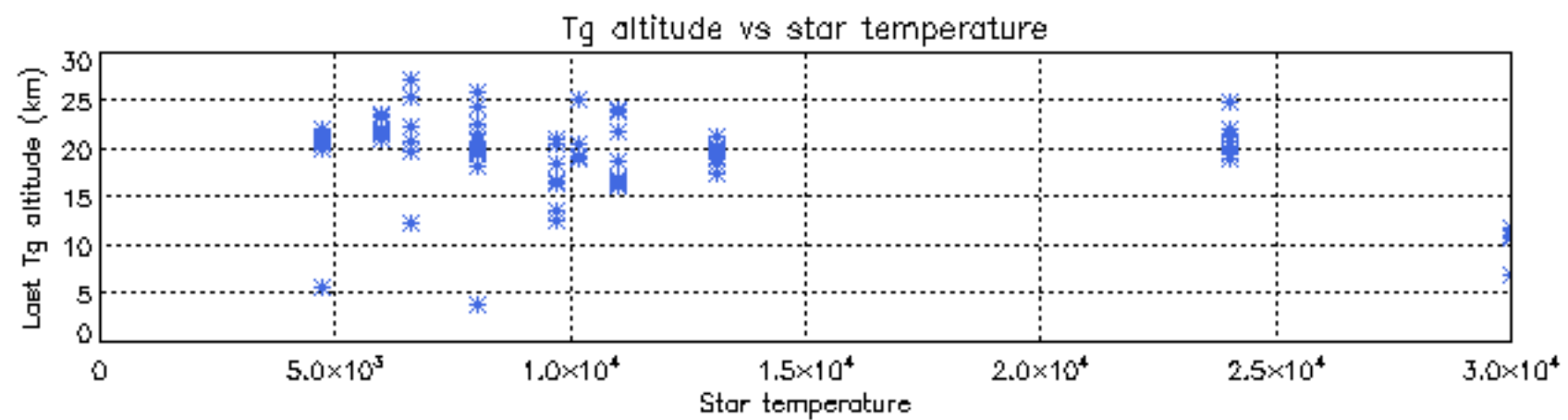
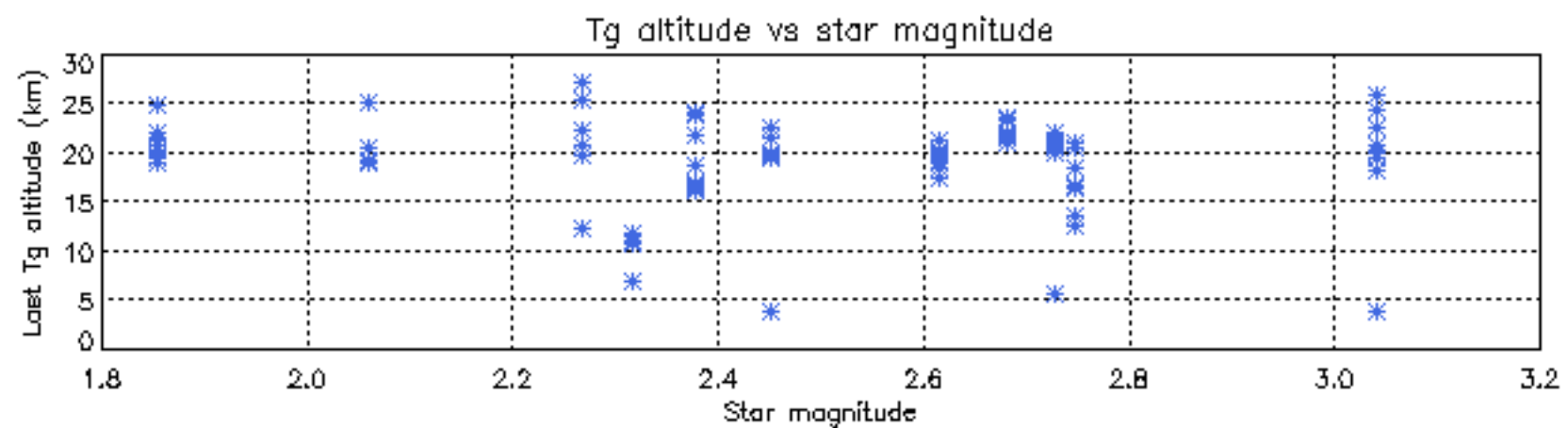
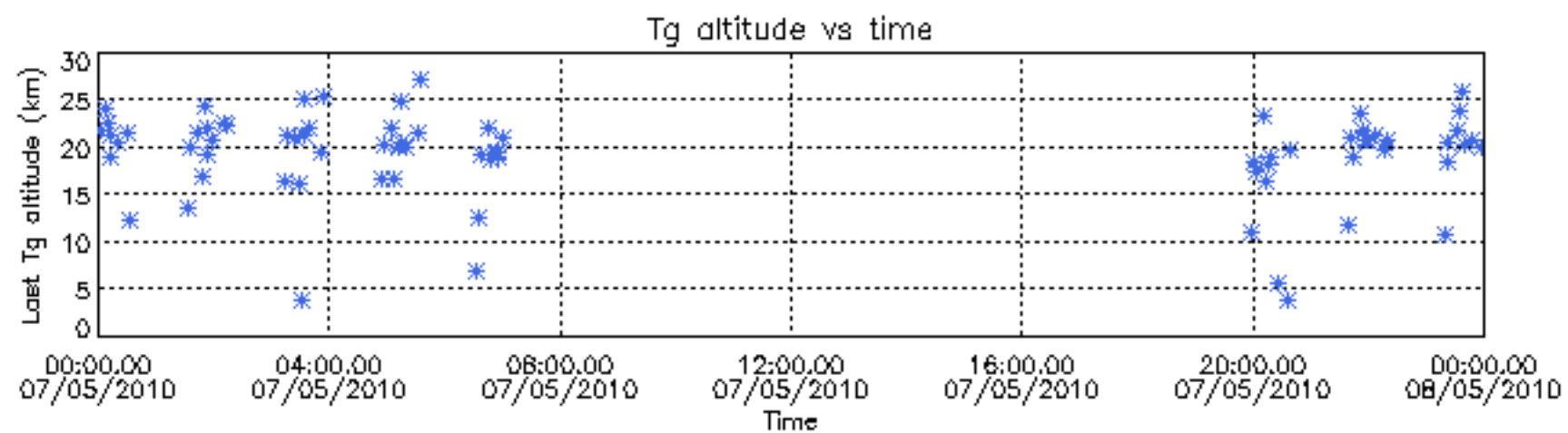
Percentage of saturation errors per profile



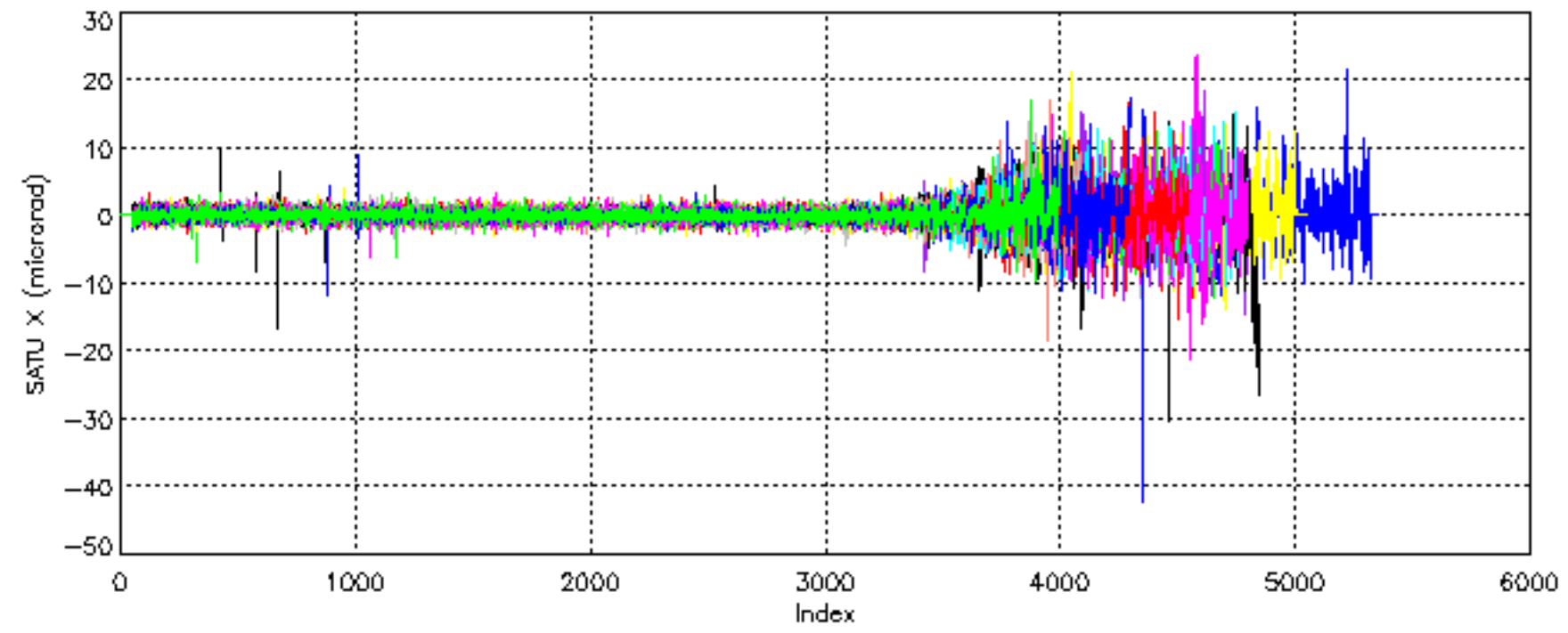
Tangent altitude at which the star is lost

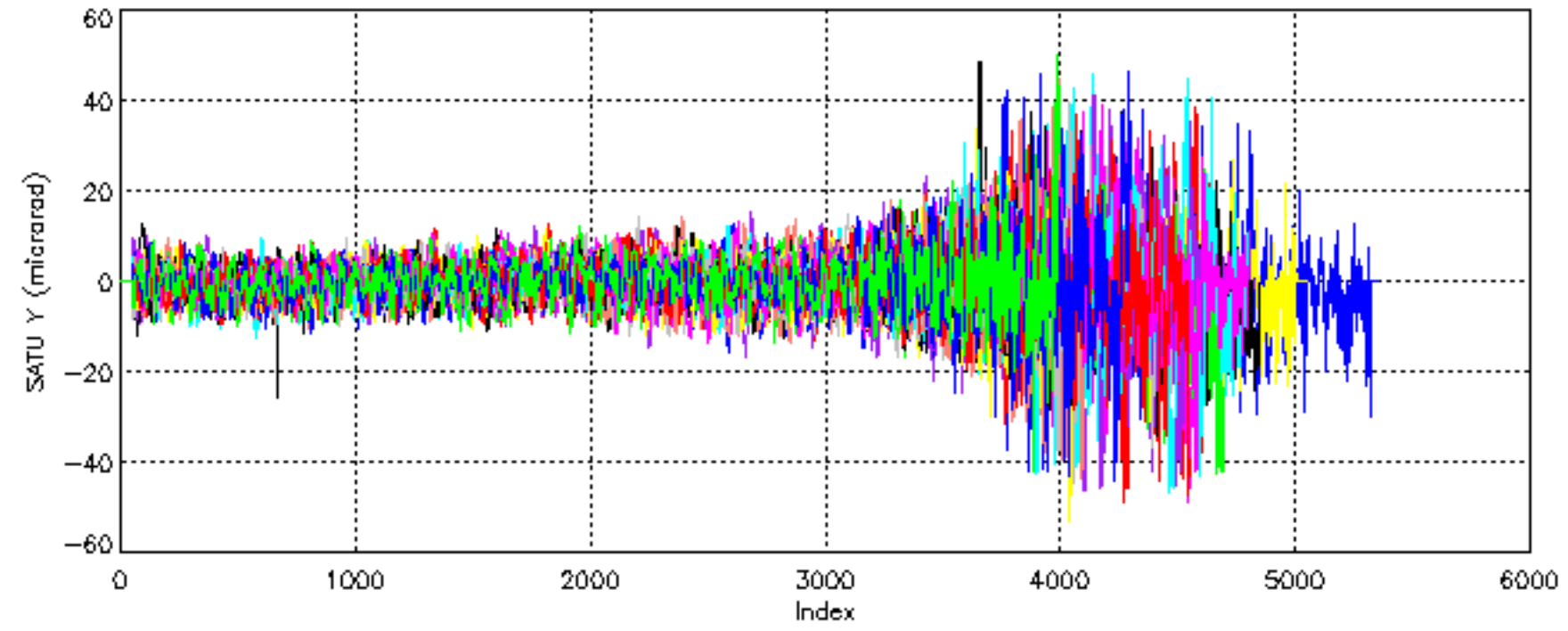


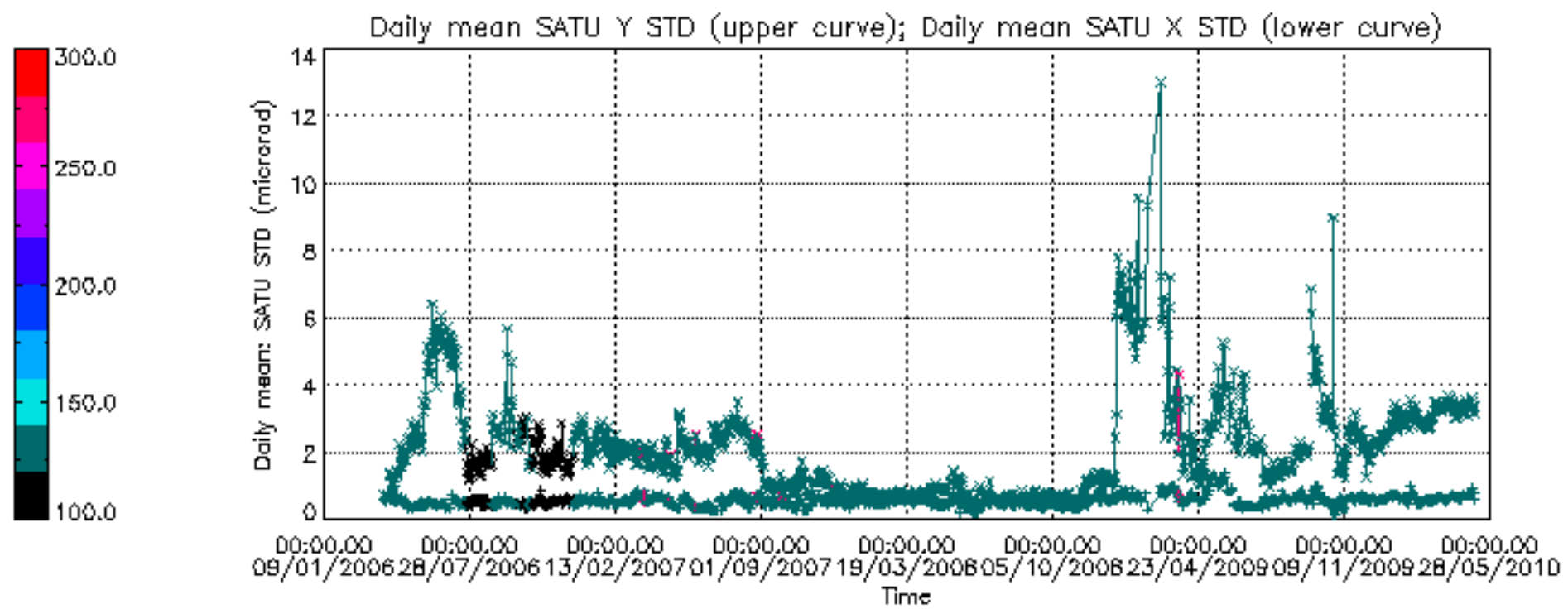
Tangent altitude at which the star is lost











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 4; 745.6; 01-MAY-2010 01:07:04; Dark ; 53.5; 40; The Sco ; 1.86; 7100;occ; 107; 0;42699  
 5; 850.6; 01-MAY-2010 01:08:49; Dark ; 59.0; 25; 35Lam Sco ; 1.62; 28000;occ; 118; 0;42699  
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 7; 1264.4; 01-MAY-2010 01:15:43; Dark ; 81.0; 16; 21Alp Sco ; 1.02; 3000;occ; 162; 0;42699  
 8; 1399.6; 01-MAY-2010 01:17:58; Dark ; 58.5; 80; 7Del Sco ; 2.32; 30000;occ; 117; 0;42699  
 9; 1590.0; 01-MAY-2010 01:21:09; Bright; 45.0; 122; 9Alp2Lib ; 2.75; 9700;occ; 90; 0;42699  
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 14; 2770.6; 01-MAY-2010 01:40:49; Bright; 39.5; 39; 85Eta UMA ; 1.85; 24000;occ; 79; 0;42699  
 15; 3211.4; 01-MAY-2010 01:48:10; Bright; 44.5; 119; 14Eta Dra ; 2.73; 4700;occ; 89; 0;42699  
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 18; 4508.1; 01-MAY-2010 02:09:47; Dark ; 51.5; 164; 44Eta Peg ; 2.95; 5400;occ; 103; 0;42699  
 19; 4773.4; 01-MAY-2010 02:14:12; Dark ; 45.0; 90; 54Alp Peg ; 2.49; 11000;occ; 90; 0;42699  
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 13; 2233.6; 01-MAY-2010 03:12:28; Bright; 38.0; 111; 8Eta Boo ; 2.68; 6000;occ; 76; 0;42700  
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 7; -635.9; 01-MAY-2010 04:05:15; Dark ; 59.0; 154; 22Bet Aqr ; 2.90; 5700;occ; 118; 0;42700  
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3; 1269.7; 01-MAY-2010 19:42:24; Dark ; 70.5; 16; 21Alp Sco ; 1.02; 3000;occ; 141; 0;42710
4; 1403.0; 01-MAY-2010 19:44:37; Dark ; 57.5; 80; 7Del Sco ; 2.32; 30000;occ; 115; 0;42710
5; 1591.3; 01-MAY-2010 19:47:46; Bright; 42.0; 122; 9Alp2Lib ; 2.75; 9700;occ; 84; 0;42710
6; 1727.9; 01-MAY-2010 19:50:02; Bright; 48.0; 104; 27Bet Lib ; 2.61; 13100;occ; 96; 0;42710
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6; 642.3; 01-MAY-2010 21:12:32; Dark ; 42.0; 141; Bet Ara ; 2.84; 4600;occ; 84; 0;42711
7; 756.0; 01-MAY-2010 21:14:26; Dark ; 60.5; 40; The Sco ; 1.86; 7100;occ; 121; 0;42711
8; 862.2; 01-MAY-2010 21:16:12; Dark ; 61.0; 25; 35Lam Sco ; 1.62; 28000;occ; 122; 0;42711
9; 1046.9; 01-MAY-2010 21:19:17; Dark ; 63.5; 75; 26Eps Sco ; 2.29; 4250;occ; 127; 0;42711
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3; -303.6; 07-MAY-2010 21:08:17; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;42796  
4; -90.7; 07-MAY-2010 21:11:50; Dark ; 41.0; 31; Alp Gru ; 1.73; 15200;occ; 82; 0;42796  
5; 244.3; 07-MAY-2010 21:17:25; Dark ; 41.0; 45; Alp Pav ; 1.94; 26000;occ; 82; 0;42797  
6; 693.7; 07-MAY-2010 21:24:54; Dark ; 50.0; 141; Bet Ara ; 2.84; 4600;occ; 100; 0;42797  
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8; 937.2; 07-MAY-2010 21:28:58; Dark ; 32.0; 25; 35Lam Sco ; 1.62; 28000;occ; 64; 0;42797  
9; 1102.4; 07-MAY-2010 21:31:43; Dark ; 55.0; 75; 26Eps Sco ; 2.29; 4250;occ; 110; 0;42797  
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11; 1426.6; 07-MAY-2010 21:37:07; Dark ; 55.5; 80; 7Del Sco ; 2.32; 30000;occ; 111; 0;42797  
12; 1600.9; 07-MAY-2010 21:40:01; Bright; 39.5; 122; 9Alp2Lib ; 2.75; 9700;occ; 79; 0;42797  
13; 1724.8; 07-MAY-2010 21:42:05; Bright; 44.5; 104; 27Bet Lib ; 2.61; 13100;occ; 89; 0;42797  
14; 2222.1; 07-MAY-2010 21:50:22; Bright; 36.0; 111; 8Eta Boo ; 2.68; 6000;occ; 72; 0;42797  
15; 2413.6; 07-MAY-2010 21:53:34; Bright; 41.0; 83; ; 2.38; 11000;occ; 82; 0;42797  
16; 2598.7; 07-MAY-2010 21:56:39; Bright; 40.0; 180; 27Gam Boo ; 3.04; 8000;occ; 80; 0;42797  
17; 2753.3; 07-MAY-2010 21:59:14; Bright; 37.0; 39; 85Eta UMa ; 1.85; 24000;occ; 74; 0;42797  
18; 3153.0; 07-MAY-2010 22:05:53; Bright; 43.5; 119; 14Eta Dra ; 2.73; 4700;occ; 87; 0;42797  
19; 3796.4; 07-MAY-2010 22:16:37; Bright; 44.5; 89; 5Alp Cep ; 2.45; 8000;occ; 89; 0;42797  
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21; 4554.5; 07-MAY-2010 22:29:15; Dark ; 51.0; 93; 53Bet Peg ; 2.52; 3100;occ; 102; 0;42797  
22; 4807.5; 07-MAY-2010 22:33:28; Dark ; 48.0; 90; 54Alp Peg ; 2.49; 11000;occ; 96; 0;42797

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4; 244.7; 07-MAY-2010 22:58:01; Dark ; 40.0; 45; Alp Pav ; 1.94; 26000;occ; 80; 0;42798  
5; 694.4; 07-MAY-2010 23:05:31; Dark ; 51.5; 141; Bet Ara ; 2.84; 4600;occ; 103; 0;42798  
6; 827.9; 07-MAY-2010 23:07:44; Dark ; 52.5; 40; The Sco ; 1.86; 7100;occ; 105; 0;42798  
7; 938.1; 07-MAY-2010 23:09:34; Dark ; 34.0; 25; 35Lam Sco ; 1.62; 28000;occ; 68; 0;42798  
8; 1103.0; 07-MAY-2010 23:12:19; Dark ; 57.0; 75; 26Eps Sco ; 2.29; 4250;occ; 114; 0;42798  
9; 1259.0; 07-MAY-2010 23:14:55; Dark ; 25.0; 136; 23Tau Sco ; 2.82; 30000;occ; 50; 0;42798  
10; 1338.8; 07-MAY-2010 23:16:15; Dark ; 53.5; 156; 20Sig Sco ; 2.90; 28000;occ; 107; 0;42798  
11; 1426.5; 07-MAY-2010 23:17:43; Dark ; 57.5; 80; 7Del Sco ; 2.32; 30000;occ; 115; 0;42798  
12; 1600.8; 07-MAY-2010 23:20:37; Bright; 40.0; 122; 9Alp2Lib ; 2.75; 9700;occ; 80; 0;42798  
13; 1725.0; 07-MAY-2010 23:22:41; Bright; 44.5; 104; 27Bet Lib ; 2.61; 13100;occ; 89; 0;42798  
14; 2222.3; 07-MAY-2010 23:30:58; Bright; 36.5; 111; 8Eta Boo ; 2.68; 6000;occ; 73; 0;42798  
15; 2413.2; 07-MAY-2010 23:34:09; Bright; 40.0; 83; ; 2.38; 11000;occ; 80; 0;42798  
16; 2598.8; 07-MAY-2010 23:37:15; Bright; 37.0; 180; 27Gam Boo ; 3.04; 8000;occ; 74; 0;42798  
17; 2753.0; 07-MAY-2010 23:39:49; Bright; 37.5; 39; 85Eta UMa ; 1.85; 24000;occ; 75; 0;42798  
18; 3152.4; 07-MAY-2010 23:46:29; Bright; 44.0; 119; 14Eta Dra ; 2.73; 4700;occ; 88; 0;42798  
19; 3796.1; 07-MAY-2010 23:57:12; Bright; 44.5; 89; 5Alp Cep ; 2.45; 8000;occ; 89; 0;42798  
20; 3965.2; 08-MAY-2010 00:00:01; Bright; 49.0; 74; 11Bet Cas ; 2.27; 6600;occ; 98; 0;42798  
21; 4554.6; 08-MAY-2010 00:09:51; Dark ; 54.0; 93; 53Bet Peg ; 2.52; 3100;occ; 108; 0;42798  
22; 4808.1; 08-MAY-2010 00:14:04; Dark ; 47.0; 90; 54Alp Peg ; 2.49; 11000;occ; 94; 0;42798

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2; -2070.4; 07-MAY-2010 07:14:03; Bright; 34.5; 74; 11Bet Cas ; 2.27; 6600;occ; 69; 0;42788  
3; -1483.1; 07-MAY-2010 07:23:50; Dark ; 51.0; 93; 53Bet Peg ; 2.52; 3100;occ; 102; 0;42788  
4; -1231.7; 07-MAY-2010 07:28:01; Dark ; 48.5; 90; 54Alp Peg ; 2.49; 11000;occ; 97; 0;42788  
5; -445.9; 07-MAY-2010 07:41:07; Dark ; 46.0; 18; 24Alp PsA ; 1.17; 9700;occ; 92; 0;42788  
6; -309.3; 07-MAY-2010 07:43:24; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;42788  
7; -95.9; 07-MAY-2010 07:46:57; Dark ; 43.5; 31; Alp Gru ; 1.73; 15200;occ; 87; 0;42788  
8; 238.6; 07-MAY-2010 07:52:31; Dark ; 41.0; 45; Alp Pav ; 1.94; 26000;occ; 82; 0;42789  
9; 689.3; 07-MAY-2010 08:00:02; Dark ; 44.5; 141; Bet Ara ; 2.84; 4600;occ; 89; 0;42789  
10; 820.8; 07-MAY-2010 08:02:14; Dark ; 51.5; 40; The Sco ; 1.86; 7100;occ; 103; 0;42789



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12; 1097.6; 07-MAY-2010 08:06:51; Dark ; 58.5; 75; 26Eps Sco ; 2.29; 4250;occ; 117; 0;42789
13; 1335.6; 07-MAY-2010 08:10:48; Dark ; 34.0; 156; 20Sig Sco ; 2.90; 28000;occ; 68; 0;42789
14; 1424.9; 07-MAY-2010 08:12:18; Dark ; 58.0; 80; 7Del Sco ; 2.32; 30000;occ; 116; 0;42789
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 3; 2222.8; 07-MAY-2010 08:25:36; Bright; 38.5; 111; 8Eta Boo ; 2.68; 6000;occ; 77; 0;42789
 4; 2416.9; 07-MAY-2010 08:28:50; Bright; 40.0; 83; ; 2.38; 11000;occ; 80; 0;42789
 5; 2601.4; 07-MAY-2010 08:31:54; Bright; 39.5; 180; 27Gam Boo ; 3.04; 8000;occ; 79; 0;42789
 6; 2754.4; 07-MAY-2010 08:34:27; Bright; 37.5; 39; 85Eta UMa ; 1.85; 24000;occ; 75; 0;42789
 7; 2841.6; 07-MAY-2010 08:35:54; Bright; 36.5; 55; 79Zet UMa ; 2.06; 10200;occ; 73; 0;42789
 8; 3157.8; 07-MAY-2010 08:41:11; Bright; 42.5; 119; 14Eta Dra ; 2.73; 4700;occ; 85; 0;42789
 9; 3799.5; 07-MAY-2010 08:51:52; Bright; 45.0; 89; 5Alp Cep ; 2.45; 8000;occ; 90; 0;42789
10; 3965.4; 07-MAY-2010 08:54:38; Bright; 34.0; 74; 11Bet Cas ; 2.27; 6600;occ; 68; 0;42789
11; 4553.1; 07-MAY-2010 09:04:26; Dark ; 52.5; 93; 53Bet Peg ; 2.52; 3100;occ; 105; 0;42789
12; 4804.7; 07-MAY-2010 09:08:38; Dark ; 47.5; 90; 54Alp Peg ; 2.49; 11000;occ; 95; 0;42789
13; 5590.7; 07-MAY-2010 09:21:44; Dark ; 44.5; 18; 24Alp PsA ; 1.17; 9700;occ; 89; 0;42789
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15; 5940.8; 07-MAY-2010 09:27:34; Dark ; 43.5; 31; Alp Gru ; 1.73; 15200;occ; 87; 0;42789
16; 6275.3; 07-MAY-2010 09:33:08; Dark ; 40.5; 45; Alp Pav ; 1.94; 26000;occ; 81; 0;42790
17; 6725.9; 07-MAY-2010 09:40:39; Dark ; 50.5; 141; Bet Ara ; 2.84; 4600;occ; 101; 0;42790
18; 6857.6; 07-MAY-2010 09:42:50; Dark ; 55.5; 40; The Sco ; 1.86; 7100;occ; 111; 0;42790
19; 6967.5; 07-MAY-2010 09:44:40; Dark ; 25.0; 25; 35Lam Sco ; 1.62; 28000;occ; 50; 0;42790
20; 7134.1; 07-MAY-2010 09:47:27; Dark ; 57.0; 75; 26Eps Sco ; 2.29; 4250;occ; 114; 0;42790
21; 7372.1; 07-MAY-2010 09:51:25; Dark ; 39.0; 156; 20Sig Sco ; 2.90; 28000;occ; 78; 0;42790
22; 7460.7; 07-MAY-2010 09:52:54; Dark ; 56.5; 80; 7Del Sco ; 2.32; 30000;occ; 113; 0;42790
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 3; 2416.5; 07-MAY-2010 10:09:25; Bright; 42.5; 83; ; 2.38; 11000;occ; 85; 0;42790
 4; 2601.1; 07-MAY-2010 10:12:30; Bright; 39.5; 180; 27Gam Boo ; 3.04; 8000;occ; 79; 0;42790
 5; 2754.2; 07-MAY-2010 10:15:03; Bright; 38.0; 39; 85Eta UMa ; 1.85; 24000;occ; 76; 0;42790
 6; 3157.2; 07-MAY-2010 10:21:46; Bright; 43.5; 119; 14Eta Dra ; 2.73; 4700;occ; 87; 0;42790
 7; 3799.0; 07-MAY-2010 10:32:28; Bright; 55.5; 89; 5Alp Cep ; 2.45; 8000;occ; 111; 0;42790
 8; 3965.4; 07-MAY-2010 10:35:14; Bright; 36.5; 74; 11Bet Cas ; 2.27; 6600;occ; 73; 0;42790
 9; 4553.1; 07-MAY-2010 10:45:02; Dark ; 56.5; 93; 53Bet Peg ; 2.52; 3100;occ; 113; 0;42790
10; 4805.0; 07-MAY-2010 10:49:14; Dark ; 49.0; 90; 54Alp Peg ; 2.49; 11000;occ; 98; 0;42790
11; 5591.2; 07-MAY-2010 11:02:20; Dark ; 46.5; 18; 24Alp PsA ; 1.17; 9700;occ; 93; 0;42790
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13; 5941.3; 07-MAY-2010 11:08:10; Dark ; 43.0; 31; Alp Gru ; 1.73; 15200;occ; 86; 0;42790
14; 6276.1; 07-MAY-2010 11:13:45; Dark ; 40.5; 45; Alp Pav ; 1.94; 26000;occ; 81; 0;42791
15; 6726.1; 07-MAY-2010 11:21:15; Dark ; 41.5; 141; Bet Ara ; 2.84; 4600;occ; 83; 0;42791
16; 6858.3; 07-MAY-2010 11:23:27; Dark ; 52.0; 40; The Sco ; 1.86; 7100;occ; 104; 0;42791
17; 6968.3; 07-MAY-2010 11:25:17; Dark ; 25.0; 25; 35Lam Sco ; 1.62; 28000;occ; 50; 0;42791
18; 7135.0; 07-MAY-2010 11:28:04; Dark ; 54.5; 75; 26Eps Sco ; 2.29; 4250;occ; 109; 0;42791
19; 7372.2; 07-MAY-2010 11:32:01; Dark ; 39.0; 156; 20Sig Sco ; 2.90; 28000;occ; 78; 0;42791
20; 7460.9; 07-MAY-2010 11:33:30; Dark ; 54.0; 80; 7Del Sco ; 2.32; 30000;occ; 108; 0;42791
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 5; 2754.1; 07-MAY-2010 11:55:39; Bright; 39.0; 39; 85Eta UMa ; 1.85; 24000;occ; 78; 0;42791
 6; 3156.6; 07-MAY-2010 12:02:21; Bright; 45.0; 119; 14Eta Dra ; 2.73; 4700;occ; 90; 0;42791
 7; 3798.6; 07-MAY-2010 12:13:03; Bright; 51.0; 89; 5Alp Cep ; 2.45; 8000;occ; 102; 0;42791
 8; 3965.5; 07-MAY-2010 12:15:50; Bright; 37.0; 74; 11Bet Cas ; 2.27; 6600;occ; 74; 0;42791
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16; 6727.4; 07-MAY-2010 14:42:28; Dark ; 43.5; 141; Bet Ara ; 2.84; 4600;occ; 87; 0;42793
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4; 710.8; 09-MAY-2010 23:43:09; Dark ; 42.5; 141; Bet Ara ; 2.84; 4600;occ; 85; 0;42827
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8; 1319.9; 09-MAY-2010 23:53:18; Dark ; 71.0; 16; 21Alp Sco ; 1.02; 3000;occ; 142; 0;42827

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 16; 3136.9; 10-MAY-2010 00:23:35; Bright; 44.5; 119; 14Eta Dra ; 2.73; 4700;occ; 89; 0;42827  
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 9; 705.4; 09-MAY-2010 06:57:04; Dark ; 42.5; 141; Bet Ara ; 2.84; 4600;occ; 85; 0;42817  
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 21; 7639.6; 09-MAY-2010 08:52:39; Bright; 40.0; 122; 9Alp2Lib ; 2.75; 9700;occ; 80; 0;42818  
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 6; 3141.8; 09-MAY-2010 09:18:17; Bright; 42.5; 119; 14Eta Dra ; 2.73; 4700;occ; 85; 0;42818  
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 8; 3965.4; 09-MAY-2010 09:32:00; Bright; 47.5; 74; 11Bet Cas ; 2.27; 6600;occ; 95; 0;42818  
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 14; 6294.9; 09-MAY-2010 10:10:50; Dark ; 41.0; 45; Alp Pav ; 1.94; 26000;occ; 82; 0;42819



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17; 6990.9; 09-MAY-2010 10:22:26; Dark ; 55.0; 25; 35Lam Sco ; 1.62; 28000;occ; 110; 0;42819
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11; 727.8; 12-MAY-2010 03:42:00; Dark ; 42.0; 141; Bet Ara ; 2.84; 4600;occ; 84; 0;42858
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13; 984.5; 12-MAY-2010 03:46:16; Dark ; 56.5; 25; 35Lam Sco ; 1.62; 28000;occ; 113; 0;42858
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15; 2388.4; 14-MAY-2010 03:06:26; Bright; 44.0; 83; ; 2.38; 11000;occ; 88; 0;42886
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7; -232.0; 14-MAY-2010 05:43:58; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;42887
8; -27.4; 14-MAY-2010 05:47:23; Dark ; 43.0; 31; Alp Gru ; 1.73; 15200;occ; 86; 0;42887
9; 307.3; 14-MAY-2010 05:52:57; Dark ; 42.0; 45; Alp Pav ; 1.94; 26000;occ; 84; 0;42888
10; 744.0; 14-MAY-2010 06:00:14; Dark ; 44.5; 141; Bet Ara ; 2.84; 4600;occ; 89; 0;42888
11; 893.3; 14-MAY-2010 06:02:43; Dark ; 52.0; 40; The Sco ; 1.86; 7100;occ; 104; 0;42888
12; 1005.2; 14-MAY-2010 06:04:35; Dark ; 54.5; 25; 35Lam Sco ; 1.62; 28000;occ; 109; 0;42888
13; 1151.0; 14-MAY-2010 06:07:01; Dark ; 52.0; 75; 26Eps Sco ; 2.29; 4250;occ; 104; 0;42888
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18; 1862.6; 14-MAY-2010 06:18:53; Bright; 52.5; 120; 1Del Oph ; 2.73; 3200;occ; 105; 0;42888
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20; 2388.2; 14-MAY-2010 06:27:38; Bright; 41.0; 83; ; 2.38; 11000;occ; 82; 0;42888
21; 2575.8; 14-MAY-2010 06:30:46; Bright; 37.5; 180; 27Gam Boo ; 3.04; 8000;occ; 75; 0;42888
22; 3105.3; 14-MAY-2010 06:39:35; Bright; 42.5; 119; 14Eta Dra ; 2.73; 4700;occ; 85; 0;42888
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 9; 307.8; 14-MAY-2010 07:33:34; Dark ; 41.0; 45; Alp Pav ; 1.94; 26000;occ; 82; 0;42889  
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 11; 894.0; 14-MAY-2010 07:43:20; Dark ; 50.5; 40; The Sco ; 1.86; 7100;occ; 101; 0;42889  
 12; 1006.0; 14-MAY-2010 07:45:12; Dark ; 56.0; 25; 35Lam Sco ; 1.62; 28000;occ; 112; 0;42889  
 13; 1151.8; 14-MAY-2010 07:47:38; Dark ; 53.5; 75; 26Eps Sco ; 2.29; 4250;occ; 107; 0;42889  
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 3; 1862.7; 14-MAY-2010 07:59:29; Bright; 52.0; 120; 1Del Oph ; 2.73; 3200;occ; 104; 0;42889  
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 5; 2388.1; 14-MAY-2010 08:08:14; Bright; 40.0; 83; ; 2.38; 11000;occ; 80; 0;42889  
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 7; 3105.1; 14-MAY-2010 08:20:11; Bright; 42.5; 119; 14Eta Dra ; 2.73; 4700;occ; 85; 0;42889  
 8; 3760.4; 14-MAY-2010 08:31:06; Bright; 44.0; 89; 5Alp Cep ; 2.45; 8000;occ; 88; 0;42889  
 9; 3963.0; 14-MAY-2010 08:34:29; Bright; 54.0; 74; 11Bet Cas ; 2.27; 6600;occ; 108; 0;42889  
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 12; 4848.2; 14-MAY-2010 08:49:14; Dark ; 51.5; 90; 54Alp Peg ; 2.49; 11000;occ; 103; 0;42889  
 13; 5659.0; 14-MAY-2010 09:02:45; Dark ; 48.0; 18; 24Alp PsA ; 1.17; 9700;occ; 96; 0;42889  
 14; 5805.6; 14-MAY-2010 09:05:12; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;42889  
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 19; 7042.6; 14-MAY-2010 09:25:49; Dark ; 55.5; 25; 35Lam Sco ; 1.62; 28000;occ; 111; 0;42890  
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 22; 7484.3; 14-MAY-2010 09:33:10; Dark ; 52.0; 80; 7Del Sco ; 2.32; 30000;occ; 104; 0;42890  
 23; 7648.2; 14-MAY-2010 09:35:54; Bright; 38.0; 122; 9Alp2Lib ; 2.75; 9700;occ; 76; 0;42890  
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 4; 2387.6; 14-MAY-2010 09:48:49; Bright; 41.0; 83; ; 2.38; 11000;occ; 82; 0;42890  
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 6; 3104.2; 14-MAY-2010 10:00:46; Bright; 42.5; 119; 14Eta Dra ; 2.73; 4700;occ; 85; 0;42890  
 7; 3759.7; 14-MAY-2010 10:11:42; Bright; 43.5; 89; 5Alp Cep ; 2.45; 8000;occ; 87; 0;42890  
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 13; 5806.4; 14-MAY-2010 10:45:48; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;42890  
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18; 2385.5; 15-MAY-2010 04:15:22; Bright; 37.0; 83; ; 2.38; 11000;occ; 74; 0;42901
19; 2573.2; 15-MAY-2010 04:18:30; Bright; 38.0; 180; 27Gam Boo ; 3.04; 8000;occ; 76; 0;42901
20; 3099.0; 15-MAY-2010 04:27:16; Bright; 43.0; 119; 14Eta Dra ; 2.73; 4700;occ; 86; 0;42901
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4; -1276.5; 15-MAY-2010 04:54:56; Dark ; 43.0; 140; 88Gam Peg ; 2.83; 26000;occ; 86; 0;42901
5; -1181.5; 15-MAY-2010 04:56:31; Dark ; 52.5; 90; 54Alp Peg ; 2.49; 11000;occ; 105; 0;42901
6; -367.6; 15-MAY-2010 05:10:05; Dark ; 47.0; 18; 24Alp PsA ; 1.17; 9700;occ; 94; 0;42901
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8; 316.8; 15-MAY-2010 05:21:30; Dark ; 42.0; 45; Alp Pav ; 1.94; 26000;occ; 84; 0;42902
9; 751.2; 15-MAY-2010 05:28:44; Dark ; 45.0; 141; Bet Ara ; 2.84; 4600;occ; 90; 0;42902
10; 902.7; 15-MAY-2010 05:31:16; Dark ; 49.5; 40; The Sco ; 1.86; 7100;occ; 99; 0;42902
11; 1014.7; 15-MAY-2010 05:33:08; Dark ; 54.0; 25; 35Lam Sco ; 1.62; 28000;occ; 108; 0;42902
12; 1158.0; 15-MAY-2010 05:35:31; Dark ; 51.0; 75; 26Eps Sco ; 2.29; 4250;occ; 102; 0;42902
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14; 1504.6; 15-MAY-2010 05:41:18; Bright; 50.0; 97; 8Bet1Sco ; 2.56; 30000;occ; 100; 0;42902
15; 1726.9; 15-MAY-2010 05:45:00; Bright; 40.0; 104; 27Bet Lib ; 2.61; 13100;occ; 80; 0;42902
16; 1859.9; 15-MAY-2010 05:47:13; Bright; 50.5; 120; 1Del Oph ; 2.73; 3200;occ; 101; 0;42902
17; 2051.1; 15-MAY-2010 05:50:24; Bright; 46.0; 102; 24Alp Ser ; 2.60; 4250;occ; 92; 0;42902
18; 2384.9; 15-MAY-2010 05:55:58; Bright; 42.5; 83; ; 2.38; 11000;occ; 85; 0;42902
19; 2573.0; 15-MAY-2010 05:59:06; Bright; 38.0; 180; 27Gam Boo ; 3.04; 8000;occ; 76; 0;42902
20; 3098.5; 15-MAY-2010 06:07:51; Bright; 42.0; 119; 14Eta Dra ; 2.73; 4700;occ; 84; 0;42902
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3; 1726.9; 15-MAY-2010 15:48:35; Bright; 41.0; 104; 27Bet Lib ; 2.61; 13100;occ; 82; 0;42908
4; 1858.5; 15-MAY-2010 15:50:47; Bright; 50.0; 120; 1Del Oph ; 2.73; 3200;occ; 100; 0;42908
5; 2049.3; 15-MAY-2010 15:53:58; Bright; 45.0; 102; 24Alp Ser ; 2.60; 4250;occ; 90; 0;42908
6; 2383.8; 15-MAY-2010 15:59:32; Bright; 38.0; 83; ; 2.38; 11000;occ; 76; 0;42908
7; 2571.6; 15-MAY-2010 16:02:40; Bright; 38.0; 180; 27Gam Boo ; 3.04; 8000;occ; 76; 0;42908
8; 3095.7; 15-MAY-2010 16:11:24; Bright; 43.5; 119; 14Eta Dra ; 2.73; 4700;occ; 87; 0;42908
9; 3752.0; 15-MAY-2010 16:22:20; Bright; 65.0; 89; 5Alp Cep ; 2.45; 8000;occ; 130; 0;42908
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11; 4577.6; 15-MAY-2010 16:36:06; Dark ; 58.0; 93; 53Bet Peg ; 2.52; 3100;occ; 116; 0;42908
12; 4761.6; 15-MAY-2010 16:39:10; Dark ; 42.5; 140; 88Gam Peg ; 2.83; 26000;occ; 85; 0;42908
13; 4858.1; 15-MAY-2010 16:40:46; Dark ; 54.0; 90; 54Alp Peg ; 2.49; 11000;occ; 108; 0;42908
14; 5674.2; 15-MAY-2010 16:54:23; Dark ; 51.5; 18; 24Alp PsA ; 1.17; 9700;occ; 103; 0;42908
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16; 6024.0; 15-MAY-2010 17:00:12; Dark ; 52.0; 31; Alp Gru ; 1.73; 15200;occ; 104; 0;42908
17; 6358.0; 15-MAY-2010 17:05:46; Dark ; 40.5; 45; Alp Pav ; 1.94; 26000;occ; 81; 0;42909
18; 6790.8; 15-MAY-2010 17:12:59; Dark ; 48.5; 141; Bet Ara ; 2.84; 4600;occ; 97; 0;42909
19; 6963.9; 15-MAY-2010 17:15:52; Dark ; 27.0; 38; 20Eps Sgr ; 1.84; 11000;occ; 54; 0;42909
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3; 1506.0; 15-MAY-2010 17:25:30; Bright; 47.5; 97; 8Bet1Sco ; 2.56; 30000;occ; 95; 0;42909
4; 1727.0; 15-MAY-2010 17:29:11; Bright; 39.5; 104; 27Bet Lib ; 2.61; 13100;occ; 79; 0;42909
5; 1858.3; 15-MAY-2010 17:31:23; Bright; 50.0; 120; 1Del Oph ; 2.73; 3200;occ; 100; 0;42909
6; 2049.0; 15-MAY-2010 17:34:33; Bright; 44.0; 102; 24Alp Ser ; 2.60; 4250;occ; 88; 0;42909
7; 2383.9; 15-MAY-2010 17:40:08; Bright; 41.5; 83; ; 2.38; 11000;occ; 83; 0;42909
8; 2571.9; 15-MAY-2010 17:43:16; Bright; 38.5; 180; 27Gam Boo ; 3.04; 8000;occ; 77; 0;42909
9; 3095.2; 15-MAY-2010 17:52:00; Bright; 39.5; 119; 14Eta Dra ; 2.73; 4700;occ; 79; 0;42909
10; 3751.6; 15-MAY-2010 18:02:56; Bright; 44.5; 89; 5Alp Cep ; 2.45; 8000;occ; 89; 0;42909
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12; 4577.6; 15-MAY-2010 18:16:42; Dark ; 61.0; 93; 53Bet Peg ; 2.52; 3100;occ; 122; 0;42909
13; 4762.0; 15-MAY-2010 18:19:46; Dark ; 42.0; 140; 88Gam Peg ; 2.83; 26000;occ; 84; 0;42909
14; 4858.5; 15-MAY-2010 18:21:23; Dark ; 54.0; 90; 54Alp Peg ; 2.49; 11000;occ; 108; 0;42909
15; 5674.7; 15-MAY-2010 18:34:59; Dark ; 45.5; 18; 24Alp PsA ; 1.17; 9700;occ; 91; 0;42909
16; 5823.0; 15-MAY-2010 18:37:27; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;42909
17; 6024.7; 15-MAY-2010 18:40:49; Dark ; 42.5; 31; Alp Gru ; 1.73; 15200;occ; 85; 0;42909
18; 6358.8; 15-MAY-2010 18:46:23; Dark ; 41.5; 45; Alp Pav ; 1.94; 26000;occ; 83; 0;42910
19; 6791.4; 15-MAY-2010 18:53:36; Dark ; 44.0; 141; Bet Ara ; 2.84; 4600;occ; 88; 0;42910
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3; 1161.8; 15-MAY-2010 19:00:22; Dark ; 52.0; 75; 26Eps Sco ; 2.29; 4250;occ; 104; 0;42910
4; 1348.6; 15-MAY-2010 19:03:29; Dark ; 61.0; 16; 21Alp Sco ; 1.02; 3000;occ; 122; 0;42910
5; 1506.1; 15-MAY-2010 19:06:07; Bright; 45.5; 97; 8Bet1Sco ; 2.56; 30000;occ; 91; 0;42910

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7; 1857.9; 15-MAY-2010 19:11:58; Bright; 50.0; 120; 1Del Oph ; 2.73; 3200;occ; 100; 0;42910  
8; 2048.6; 15-MAY-2010 19:15:09; Bright; 44.5; 102; 24Alp Ser ; 2.60; 4250;occ; 89; 0;42910  
9; 2383.4; 15-MAY-2010 19:20:44; Bright; 39.0; 83; ; 2.38; 11000;occ; 78; 0;42910  
10; 2571.7; 15-MAY-2010 19:23:52; Bright; 38.5; 180; 27Gam Boo ; 3.04; 8000;occ; 77; 0;42910  
11; 3094.9; 15-MAY-2010 19:32:35; Bright; 42.5; 119; 14Eta Dra ; 2.73; 4700;occ; 85; 0;42910  
12; 3751.2; 15-MAY-2010 19:43:32; Bright; 42.5; 89; 5Alp Cep ; 2.45; 8000;occ; 85; 0;42910  
13; 3961.8; 15-MAY-2010 19:47:02; Bright; 55.0; 74; 11Bet Cas ; 2.27; 6600;occ; 110; 0;42910  
14; 4513.2; 15-MAY-2010 19:56:14; Dark ; 46.5; 58; 21Alp And ; 2.07; 11000;occ; 93; 0;42910  
15; 4762.3; 15-MAY-2010 20:00:23; Dark ; 43.0; 140; 88Gam Peg ; 2.83; 26000;occ; 86; 0;42910  
16; 4859.0; 15-MAY-2010 20:01:59; Dark ; 54.5; 90; 54Alp Peg ; 2.49; 11000;occ; 109; 0;42910  
17; 5675.5; 15-MAY-2010 20:15:36; Dark ; 48.0; 18; 24Alp PsA ; 1.17; 9700;occ; 96; 0;42910  
18; 5823.8; 15-MAY-2010 20:18:04; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;42910  
19; 6025.6; 15-MAY-2010 20:21:26; Dark ; 50.0; 31; Alp Gru ; 1.73; 15200;occ; 100; 0;42910  
20; 6359.1; 15-MAY-2010 20:27:00; Dark ; 44.5; 45; Alp Pav ; 1.94; 26000;occ; 89; 0;42911  
21; 6791.7; 15-MAY-2010 20:34:12; Dark ; 45.5; 141; Bet Ara ; 2.84; 4600;occ; 91; 0;42911  
22; 6965.5; 15-MAY-2010 20:37:06; Dark ; 29.0; 38; 20Eps Sgr ; 1.84; 11000;occ; 58; 0;42911  
23; 7056.7; 15-MAY-2010 20:38:37; Dark ; 17.0; 25; 35Lam Sco ; 1.62; 28000;occ; 34; 0;42911

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2; 1020.7; 15-MAY-2010 20:38:37; Dark ; 53.5; 25; 35Lam Sco ; 1.62; 28000;occ; 107; 0;42911  
3; 1162.2; 15-MAY-2010 20:40:59; Dark ; 52.0; 75; 26Eps Sco ; 2.29; 4250;occ; 104; 0;42911  
4; 1349.0; 15-MAY-2010 20:44:05; Dark ; 56.5; 16; 21Alp Sco ; 1.02; 3000;occ; 113; 0;42911  
5; 1506.3; 15-MAY-2010 20:46:43; Bright; 45.5; 97; 8Bet1Sco ; 2.56; 30000;occ; 91; 0;42911  
6; 1726.9; 15-MAY-2010 20:50:23; Bright; 41.0; 104; 27Bet Lib ; 2.61; 13100;occ; 82; 0;42911  
7; 1857.7; 15-MAY-2010 20:52:34; Bright; 50.5; 120; 1Del Oph ; 2.73; 3200;occ; 101; 0;42911  
8; 2048.5; 15-MAY-2010 20:55:45; Bright; 44.0; 102; 24Alp Ser ; 2.60; 4250;occ; 88; 0;42911  
9; 2383.4; 15-MAY-2010 21:01:20; Bright; 40.0; 83; ; 2.38; 11000;occ; 80; 0;42911  
10; 2571.2; 15-MAY-2010 21:04:28; Bright; 37.5; 180; 27Gam Boo ; 3.04; 8000;occ; 75; 0;42911  
11; 3094.2; 15-MAY-2010 21:13:11; Bright; 42.0; 119; 14Eta Dra ; 2.73; 4700;occ; 84; 0;42911  
12; 3750.7; 15-MAY-2010 21:24:07; Bright; 44.0; 89; 5Alp Cep ; 2.45; 8000;occ; 88; 0;42911  
13; 3961.6; 15-MAY-2010 21:27:38; Bright; 37.5; 74; 11Bet Cas ; 2.27; 6600;occ; 75; 0;42911  
14; 4513.5; 15-MAY-2010 21:36:50; Dark ; 44.0; 58; 21Alp And ; 2.07; 11000;occ; 88; 0;42911  
15; 4762.1; 15-MAY-2010 21:40:59; Dark ; 44.5; 140; 88Gam Peg ; 2.83; 26000;occ; 89; 0;42911  
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5; 756.4; 15-MAY-2010 22:14:49; Dark ; 51.0; 141; Bet Ara ; 2.84; 4600;occ; 102; 0;42912  
6; 930.6; 15-MAY-2010 22:17:43; Dark ; 30.0; 38; 20Eps Sgr ; 1.84; 11000;occ; 60; 0;42912  
7; 1021.3; 15-MAY-2010 22:19:14; Dark ; 58.0; 25; 35Lam Sco ; 1.62; 28000;occ; 116; 0;42912  
8; 1162.9; 15-MAY-2010 22:21:35; Dark ; 53.0; 75; 26Eps Sco ; 2.29; 4250;occ; 106; 0;42912  
9; 1348.9; 15-MAY-2010 22:24:41; Dark ; 60.0; 16; 21Alp Sco ; 1.02; 3000;occ; 120; 0;42912  
10; 1506.3; 15-MAY-2010 22:27:19; Bright; 45.5; 97; 8Bet1Sco ; 2.56; 30000;occ; 91; 0;42912  
11; 1727.0; 15-MAY-2010 22:30:59; Bright; 39.5; 104; 27Bet Lib ; 2.61; 13100;occ; 79; 0;42912  
12; 1857.4; 15-MAY-2010 22:33:10; Bright; 50.5; 120; 1Del Oph ; 2.73; 3200;occ; 101; 0;42912  
13; 2048.0; 15-MAY-2010 22:36:20; Bright; 44.5; 102; 24Alp Ser ; 2.60; 4250;occ; 89; 0;42912  
14; 2382.9; 15-MAY-2010 22:41:55; Bright; 40.0; 83; ; 2.38; 11000;occ; 80; 0;42912  
15; 2571.3; 15-MAY-2010 22:45:04; Bright; 38.5; 180; 27Gam Boo ; 3.04; 8000;occ; 77; 0;42912  
16; 3093.7; 15-MAY-2010 22:53:46; Bright; 61.0; 119; 14Eta Dra ; 2.73; 4700;occ; 122; 0;42912  
17; 3750.1; 15-MAY-2010 23:04:42; Bright; 44.0; 89; 5Alp Cep ; 2.45; 8000;occ; 88; 0;42912  
18; 3961.8; 15-MAY-2010 23:08:14; Bright; 55.0; 74; 11Bet Cas ; 2.27; 6600;occ; 110; 0;42912  
19; 4513.6; 15-MAY-2010 23:17:26; Dark ; 45.0; 58; 21Alp And ; 2.07; 11000;occ; 90; 0;42912  
20; 4762.6; 15-MAY-2010 23:21:35; Dark ; 44.0; 140; 88Gam Peg ; 2.83; 26000;occ; 88; 0;42912  
21; 4860.1; 15-MAY-2010 23:23:12; Dark ; 52.5; 90; 54Alp Peg ; 2.49; 11000;occ; 105; 0;42912

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3; -8.9; 15-MAY-2010 23:42:39; Dark ; 47.5; 31; Alp Gru ; 1.73; 15200;occ; 95; 0;42912  
4; 324.4; 15-MAY-2010 23:48:13; Dark ; 51.0; 45; Alp Pav ; 1.94; 26000;occ; 102; 0;42913  
5; 756.8; 15-MAY-2010 23:55:25; Dark ; 43.5; 141; Bet Ara ; 2.84; 4600;occ; 87; 0;42913  
6; 931.6; 15-MAY-2010 23:58:20; Dark ; 30.0; 38; 20Eps Sgr ; 1.84; 11000;occ; 60; 0;42913  
7; 1022.1; 15-MAY-2010 23:59:50; Dark ; 54.0; 25; 35Lam Sco ; 1.62; 28000;occ; 108; 0;42913  
8; 1163.1; 16-MAY-2010 00:02:11; Dark ; 52.5; 75; 26Eps Sco ; 2.29; 4250;occ; 105; 0;42913  
9; 1349.3; 16-MAY-2010 00:05:17; Dark ; 63.0; 16; 21Alp Sco ; 1.02; 3000;occ; 126; 0;42913  
10; 1506.5; 16-MAY-2010 00:07:55; Bright; 43.5; 97; 8Bet1Sco ; 2.56; 30000;occ; 87; 0;42913



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 13; 2047.9; 16-MAY-2010 00:16:56; Bright; 44.5; 102; 24Alp Ser ; 2.60; 4250;occ; 89; 0;42913  
 14; 2383.2; 16-MAY-2010 00:22:31; Bright; 37.0; 83; ; 2.38; 11000;occ; 74; 0;42913  
 15; 2570.9; 16-MAY-2010 00:25:39; Bright; 38.0; 180; 27Gam Boo ; 3.04; 8000;occ; 76; 0;42913  
 16; 3092.9; 16-MAY-2010 00:34:21; Bright; 43.0; 119; 14Eta Dra ; 2.73; 4700;occ; 86; 0;42913  
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 6; 932.4; 16-MAY-2010 01:38:56; Dark ; 32.0; 38; 20Eps Sgr ; 1.84; 11000;occ; 64; 0;42914  
 7; 1022.8; 16-MAY-2010 01:40:27; Dark ; 53.0; 25; 35Lam Sco ; 1.62; 28000;occ; 106; 0;42914  
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 4; 12.4; 17-MAY-2010 22:39:46; Dark ; 42.0; 31; Alp Gru ; 1.73; 15200;occ; 84; 0;42941
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 6; 770.9; 17-MAY-2010 22:52:25; Dark ; 42.5; 141; Bet Ara ; 2.84; 4600;occ; 85; 0;42941
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18; 3736.6; 17-MAY-2010 23:41:51; Bright; 45.5; 89; 5Alp Cep ; 2.45; 8000;occ; 91; 0;42941
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22; 4875.9; 18-MAY-2010 00:00:50; Dark ; 57.5; 90; 54Alp Peg ; 2.49; 11000;occ; 115; 0;42941

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6; 3083.3; 17-MAY-2010 11:46:46; Bright; 43.0; 119; 14Eta Dra ; 2.73; 4700;occ; 86; 0;42934  
7; 3739.7; 17-MAY-2010 11:57:42; Bright; 43.5; 89; 5Alp Cep ; 2.45; 8000;occ; 87; 0;42934  
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17; 6804.0; 17-MAY-2010 12:48:47; Dark ; 47.0; 141; Bet Ara ; 2.84; 4600;occ; 94; 0;42935  
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21; 7392.1; 17-MAY-2010 12:58:35; Dark ; 56.0; 16; 21Alp Sco ; 1.02; 3000;occ; 112; 0;42935  
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4; 2379.3; 17-MAY-2010 13:15:38; Bright; 42.0; 83; ; 2.38; 11000;occ; 84; 0;42935  
5; 2568.0; 17-MAY-2010 13:18:46; Bright; 36.5; 180; 27Gam Boo ; 3.04; 8000;occ; 73; 0;42935  
6; 3083.0; 17-MAY-2010 13:27:21; Bright; 40.0; 119; 14Eta Dra ; 2.73; 4700;occ; 80; 0;42935  
7; 3740.0; 17-MAY-2010 13:38:18; Bright; 45.0; 89; 5Alp Cep ; 2.45; 8000;occ; 90; 0;42935  
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9; 4517.4; 17-MAY-2010 13:51:16; Dark ; 47.0; 58; 21Alp And ; 2.07; 11000;occ; 94; 0;42935  
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5; 2379.1; 17-MAY-2010 14:56:13; Bright; 37.5; 83; ; 2.38; 11000;occ; 75; 0;42936  
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11; 4770.0; 17-MAY-2010 15:36:04; Dark ; 41.5; 140; 88Gam Peg ; 2.83; 26000;occ; 83; 0;42936  
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9; 4526.9; 21-MAY-2010 08:23:45; Dark ; 47.5; 58; 21Alp And ; 2.07; 11000;occ; 95; 0;42989
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 16; 6830.3; 21-MAY-2010 09:02:09; Dark ; 48.5; 141; Bet Ara ; 2.84; 4600;occ; 97; 0;42990  
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 4; 2372.4; 21-MAY-2010 09:28:27; Bright; 38.5; 83; ; 2.38; 11000;occ; 77; 0;42990  
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 7; 3175.2; 21-MAY-2010 09:41:50; Bright; 34.0; 60; 7Bet UMi ; 2.08; 3950;occ; 68; 0;42990  
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 9; 4010.0; 21-MAY-2010 09:55:44; Bright; 54.0; 68; 18Alp Cas ; 2.22; 4500;occ; 108; 0;42990  
 10; 4527.0; 21-MAY-2010 10:04:21; Dark ; 46.5; 58; 21Alp And ; 2.07; 11000;occ; 93; 0;42990  
 11; 4787.3; 21-MAY-2010 10:08:42; Dark ; 45.5; 140; 88Gam Peg ; 2.83; 26000;occ; 91; 0;42990  
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 17; 6830.7; 21-MAY-2010 10:42:45; Dark ; 41.5; 141; Bet Ara ; 2.84; 4600;occ; 83; 0;42991  
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 19; 7104.9; 21-MAY-2010 10:47:19; Dark ; 51.5; 25; 35Lam Sco ; 1.62; 28000;occ; 103; 0;42991  
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 21; 7408.3; 21-MAY-2010 10:52:23; Dark ; 54.0; 16; 21Alp Sco ; 1.02; 3000;occ; 108; 0;42991  
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 4; 2372.4; 21-MAY-2010 11:09:03; Bright; 37.0; 83; ; 2.38; 11000;occ; 74; 0;42991  
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 6; 3058.7; 21-MAY-2010 11:20:29; Bright; 41.0; 119; 14Eta Dra ; 2.73; 4700;occ; 82; 0;42991  
 7; 3175.0; 21-MAY-2010 11:22:25; Bright; 39.0; 60; 7Bet UMi ; 2.08; 3950;occ; 78; 0;42991  
 8; 3937.4; 21-MAY-2010 11:35:08; Bright; 35.5; 76; 27Gam Cas ; 2.30; 30000;occ; 71; 0;42991  
 9; 4010.0; 21-MAY-2010 11:36:20; Bright; 35.5; 68; 18Alp Cas ; 2.22; 4500;occ; 71; 0;42991  
 10; 4526.9; 21-MAY-2010 11:44:57; Dark ; 46.5; 58; 21Alp And ; 2.07; 11000;occ; 93; 0;42991  
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 12; 5745.9; 21-MAY-2010 12:05:16; Dark ; 54.0; 18; 24Alp PsA ; 1.17; 9700;occ; 108; 0;42991  
 13; 5899.7; 21-MAY-2010 12:07:50; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;42991  
 14; 5992.3; 21-MAY-2010 12:09:23; Dark ; 45.0; 63; Bet Gru ; 2.15; 2800;occ; 90; 0;42991  
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 16; 6416.3; 21-MAY-2010 12:16:27; Dark ; 43.0; 45; Alp Pav ; 1.94; 26000;occ; 86; 0;42992  
 17; 6831.1; 21-MAY-2010 12:23:21; Dark ; 43.5; 141; Bet Ara ; 2.84; 4600;occ; 87; 0;42992  
 18; 6994.6; 21-MAY-2010 12:26:05; Dark ; 47.0; 40; The Sco ; 1.86; 7100;occ; 94; 0;42992  
 19; 7105.4; 21-MAY-2010 12:27:56; Dark ; 51.5; 25; 35Lam Sco ; 1.62; 28000;occ; 103; 0;42992  
 20; 7233.2; 21-MAY-2010 12:30:04; Dark ; 48.0; 75; 26Eps Sco ; 2.29; 4250;occ; 96; 0;42992  
 21; 7408.7; 21-MAY-2010 12:32:59; Dark ; 51.5; 16; 21Alp Sco ; 1.02; 3000;occ; 103; 0;42992  
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 5; 2561.9; 21-MAY-2010 12:52:48; Bright; 36.0; 180; 27Gam Boo ; 3.04; 8000;occ; 72; 0;42992  
 6; 3174.7; 21-MAY-2010 13:03:01; Bright; 38.0; 60; 7Bet UMi ; 2.08; 3950;occ; 76; 0;42992  
 7; 3937.7; 21-MAY-2010 13:15:44; Bright; 53.0; 76; 27Gam Cas ; 2.30; 30000;occ; 106; 0;42992  
 8; 4009.8; 21-MAY-2010 13:16:56; Bright; 35.5; 68; 18Alp Cas ; 2.22; 4500;occ; 71; 0;42992  
 9; 4527.5; 21-MAY-2010 13:25:34; Dark ; 46.0; 58; 21Alp And ; 2.07; 11000;occ; 92; 0;42992  
 10; 4788.2; 21-MAY-2010 13:29:54; Dark ; 46.0; 140; 88Gam Peg ; 2.83; 26000;occ; 92; 0;42992

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13; 5993.0; 21-MAY-2010 13:49:59; Dark ; 52.0; 63; Bet Gru ; 2.15; 2800;occ; 104; 0;42992
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16; 6831.6; 21-MAY-2010 14:03:58; Dark ; 40.5; 141; Bet Ara ; 2.84; 4600;occ; 81; 0;42993
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 10; 2560.7; 22-MAY-2010 20:44:10; Bright; 36.0; 180; 27Gam Boo ; 3.04; 8000;occ; 72; 0;43011  
 11; 3050.8; 22-MAY-2010 20:52:20; Bright; 42.5; 119; 14Eta Dra ; 2.73; 4700;occ; 85; 0;43011  
 12; 3173.5; 22-MAY-2010 20:54:22; Bright; 38.5; 60; 7Bet UMi ; 2.08; 3950;occ; 77; 0;43011  
 13; 3936.8; 22-MAY-2010 21:07:06; Bright; 34.5; 76; 27Gam Cas ; 2.30; 30000;occ; 69; 0;43011  
 14; 4009.5; 22-MAY-2010 21:08:18; Bright; 36.5; 68; 18Alp Cas ; 2.22; 4500;occ; 73; 0;43011  
 15; 4530.4; 22-MAY-2010 21:16:59; Dark ; 47.0; 58; 21Alp And ; 2.07; 11000;occ; 94; 0;43011  
 16; 4794.9; 22-MAY-2010 21:21:24; Dark ; 44.0; 140; 88Gam Peg ; 2.83; 26000;occ; 88; 0;43011

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 2; -2026.3; 22-MAY-2010 06:02:55; Bright; 39.5; 68; 18Alp Cas ; 2.22; 4500;occ; 79; 0;43002  
 3; -1506.8; 22-MAY-2010 06:11:35; Dark ; 48.5; 58; 21Alp And ; 2.07; 11000;occ; 97; 0;43002  
 4; -1244.3; 22-MAY-2010 06:15:57; Dark ; 45.0; 140; 88Gam Peg ; 2.83; 26000;occ; 90; 0;43002  
 5; -279.3; 22-MAY-2010 06:32:02; Dark ; 59.5; 18; 24Alp PsA ; 1.17; 9700;occ; 119; 0;43002  
 6; -125.1; 22-MAY-2010 06:34:36; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;43002  
 7; -35.8; 22-MAY-2010 06:36:06; Dark ; 59.0; 63; Bet Gru ; 2.15; 2800;occ; 118; 0;43002  
 8; 62.6; 22-MAY-2010 06:37:44; Dark ; 44.0; 31; Alp Gru ; 1.73; 15200;occ; 88; 0;43003  
 9; 388.1; 22-MAY-2010 06:43:10; Dark ; 42.5; 45; Alp Pav ; 1.94; 26000;occ; 85; 0;43003  
 10; 800.2; 22-MAY-2010 06:50:02; Dark ; 46.0; 141; Bet Ara ; 2.84; 4600;occ; 92; 0;43003  
 11; 964.6; 22-MAY-2010 06:52:46; Dark ; 50.0; 40; The Sco ; 1.86; 7100;occ; 100; 0;43003  
 12; 1075.8; 22-MAY-2010 06:54:37; Dark ; 53.0; 25; 35Lam Sco ; 1.62; 28000;occ; 106; 0;43003  
 13; 1201.5; 22-MAY-2010 06:56:43; Dark ; 50.0; 75; 26Eps Sco ; 2.29; 4250;occ; 100; 0;43003  
 14; 1375.4; 22-MAY-2010 06:59:37; Dark ; 61.0; 16; 21Alp Sco ; 1.02; 3000;occ; 122; 0;43003  
 15; 1521.3; 22-MAY-2010 07:02:03; Bright; 42.5; 97; 8Bet1Sco ; 2.56; 30000;occ; 85; 0;43003  
 16; 1732.4; 22-MAY-2010 07:05:34; Bright; 40.0; 104; 27Bet Lib ; 2.61; 13100;occ; 80; 0;43003

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 2; 1842.7; 22-MAY-2010 07:07:24; Bright; 44.5; 120; 1Del Oph ; 2.73; 3200;occ; 89; 0;43003  
 3; 2027.8; 22-MAY-2010 07:10:29; Bright; 41.0; 102; 24Alp Ser ; 2.60; 4250;occ; 82; 0;43003  
 4; 2371.3; 22-MAY-2010 07:16:13; Bright; 39.0; 83; ; 2.38; 11000;occ; 78; 0;43003  
 5; 2561.0; 22-MAY-2010 07:19:23; Bright; 36.0; 180; 27Gam Boo ; 3.04; 8000;occ; 72; 0;43003  
 6; 3053.9; 22-MAY-2010 07:27:35; Bright; 41.0; 119; 14Eta Dra ; 2.73; 4700;occ; 82; 0;43003  
 7; 3173.9; 22-MAY-2010 07:29:35; Bright; 40.0; 60; 7Bet UMi ; 2.08; 3950;occ; 80; 0;43003  
 8; 3937.2; 22-MAY-2010 07:42:19; Bright; 54.0; 76; 27Gam Cas ; 2.30; 30000;occ; 108; 0;43003  
 9; 4009.7; 22-MAY-2010 07:43:31; Bright; 37.5; 68; 18Alp Cas ; 2.22; 4500;occ; 75; 0;43003  
 10; 4529.3; 22-MAY-2010 07:52:11; Dark ; 48.0; 58; 21Alp And ; 2.07; 11000;occ; 96; 0;43003  
 11; 4791.9; 22-MAY-2010 07:56:33; Dark ; 47.0; 140; 88Gam Peg ; 2.83; 26000;occ; 94; 0;43003  
 12; 5757.5; 22-MAY-2010 08:12:39; Dark ; 57.0; 18; 24Alp PsA ; 1.17; 9700;occ; 114; 0;43003



13; 5911.9; 22-MAY-2010 08:15:13; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;43003  
 14; 6001.3; 22-MAY-2010 08:16:43; Dark ; 56.5; 63; Bet Gru ; 2.15; 2800;occ; 113; 0;43003  
 15; 6099.5; 22-MAY-2010 08:18:21; Dark ; 44.5; 31; Alp Gru ; 1.73; 15200;occ; 89; 0;43004  
 16; 6425.3; 22-MAY-2010 08:23:47; Dark ; 43.0; 45; Alp Pav ; 1.94; 26000;occ; 86; 0;43004  
 17; 6836.9; 22-MAY-2010 08:30:38; Dark ; 45.5; 141; Bet Ara ; 2.84; 4600;occ; 91; 0;43004  
 18; 7001.3; 22-MAY-2010 08:33:23; Dark ; 49.0; 40; The Sco ; 1.86; 7100;occ; 98; 0;43004  
 19; 7112.4; 22-MAY-2010 08:35:14; Dark ; 49.0; 25; 35Lam Sco ; 1.62; 28000;occ; 98; 0;43004  
 20; 7237.5; 22-MAY-2010 08:37:19; Dark ; 49.0; 75; 26Eps Sco ; 2.29; 4250;occ; 98; 0;43004  
 21; 7411.7; 22-MAY-2010 08:40:13; Dark ; 53.0; 16; 21Alp Sco ; 1.02; 3000;occ; 106; 0;43004  
 22; 7557.4; 22-MAY-2010 08:42:39; Bright; 43.0; 97; 8Bet1Sco ; 2.56; 30000;occ; 86; 0;43004  
 23; 7769.1; 22-MAY-2010 08:46:11; Bright; 37.5; 104; 27Bet Lib ; 2.61; 13100;occ; 75; 0;43004

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1; 1759.1; 22-MAY-2010 08:46:37; Bright; 38.0; 104; 27Bet Lib ; 2.61; 13100;occ; 76; 52;43004  
 2; 1842.6; 22-MAY-2010 08:48:00; Bright; 44.5; 120; 1Del Oph ; 2.73; 3200;occ; 89; 0;43004  
 3; 2027.9; 22-MAY-2010 08:51:05; Bright; 40.5; 102; 24Alp Ser ; 2.60; 4250;occ; 81; 0;43004  
 4; 2371.1; 22-MAY-2010 08:56:49; Bright; 38.5; 83; ; 2.38; 11000;occ; 77; 0;43004  
 5; 2560.8; 22-MAY-2010 08:59:58; Bright; 36.5; 180; 27Gam Boo ; 3.04; 8000;occ; 73; 0;43004  
 6; 3053.6; 22-MAY-2010 09:08:11; Bright; 41.5; 119; 14Eta Dra ; 2.73; 4700;occ; 83; 0;43004  
 7; 3173.9; 22-MAY-2010 09:10:11; Bright; 38.0; 60; 7Bet UMi ; 2.08; 3950;occ; 76; 0;43004  
 8; 3937.2; 22-MAY-2010 09:22:55; Bright; 41.0; 76; 27Gam Cas ; 2.30; 30000;occ; 82; 0;43004  
 9; 4009.7; 22-MAY-2010 09:24:07; Bright; 38.0; 68; 18Alp Cas ; 2.22; 4500;occ; 76; 0;43004  
 10; 4529.3; 22-MAY-2010 09:32:47; Dark ; 47.5; 58; 21Alp And ; 2.07; 11000;occ; 95; 0;43004  
 11; 4792.5; 22-MAY-2010 09:37:10; Dark ; 46.5; 140; 88Gam Peg ; 2.83; 26000;occ; 93; 0;43004  
 12; 5757.9; 22-MAY-2010 09:53:15; Dark ; 54.5; 18; 24Alp PsA ; 1.17; 9700;occ; 109; 0;43004  
 13; 5912.8; 22-MAY-2010 09:55:50; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;43004  
 14; 6001.6; 22-MAY-2010 09:57:19; Dark ; 59.0; 63; Bet Gru ; 2.15; 2800;occ; 118; 0;43004  
 15; 6085.9; 22-MAY-2010 09:58:43; Dark ; 48.0; 172; Gam Gru ; 3.00; 13100;occ; 96; 0;43005  
 16; 6425.8; 22-MAY-2010 10:04:23; Dark ; 42.5; 45; Alp Pav ; 1.94; 26000;occ; 85; 0;43005  
 17; 6837.3; 22-MAY-2010 10:11:15; Dark ; 44.0; 141; Bet Ara ; 2.84; 4600;occ; 88; 0;43005  
 18; 7001.9; 22-MAY-2010 10:13:59; Dark ; 51.5; 40; The Sco ; 1.86; 7100;occ; 103; 0;43005  
 19; 7112.7; 22-MAY-2010 10:15:50; Dark ; 54.0; 25; 35Lam Sco ; 1.62; 28000;occ; 108; 0;43005  
 20; 7238.2; 22-MAY-2010 10:17:56; Dark ; 50.0; 75; 26Eps Sco ; 2.29; 4250;occ; 100; 0;43005  
 21; 7411.8; 22-MAY-2010 10:20:49; Dark ; 54.0; 16; 21Alp Sco ; 1.02; 3000;occ; 108; 0;43005  
 22; 7557.6; 22-MAY-2010 10:23:15; Bright; 41.0; 97; 8Bet1Sco ; 2.56; 30000;occ; 82; 0;43005

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 2; 1842.2; 22-MAY-2010 10:28:36; Bright; 44.5; 120; 1Del Oph ; 2.73; 3200;occ; 89; 0;43005  
 3; 2027.4; 22-MAY-2010 10:31:41; Bright; 40.5; 102; 24Alp Ser ; 2.60; 4250;occ; 81; 0;43005  
 4; 2371.1; 22-MAY-2010 10:37:24; Bright; 36.5; 83; ; 2.38; 11000;occ; 73; 0;43005  
 5; 2560.8; 22-MAY-2010 10:40:34; Bright; 36.5; 180; 27Gam Boo ; 3.04; 8000;occ; 73; 0;43005  
 6; 3053.1; 22-MAY-2010 10:48:46; Bright; 41.0; 119; 14Eta Dra ; 2.73; 4700;occ; 82; 0;43005  
 7; 3173.9; 22-MAY-2010 10:50:47; Bright; 39.0; 60; 7Bet UMi ; 2.08; 3950;occ; 78; 0;43005  
 8; 3937.4; 22-MAY-2010 11:03:31; Bright; 53.5; 76; 27Gam Cas ; 2.30; 30000;occ; 107; 0;43005  
 9; 4009.9; 22-MAY-2010 11:04:43; Bright; 36.0; 68; 18Alp Cas ; 2.22; 4500;occ; 72; 0;43005  
 10; 4529.5; 22-MAY-2010 11:13:23; Dark ; 47.5; 58; 21Alp And ; 2.07; 11000;occ; 95; 0;43005  
 11; 4792.9; 22-MAY-2010 11:17:46; Dark ; 43.5; 140; 88Gam Peg ; 2.83; 26000;occ; 87; 0;43005  
 12; 5759.1; 22-MAY-2010 11:33:52; Dark ; 52.0; 18; 24Alp PsA ; 1.17; 9700;occ; 104; 0;43005  
 13; 5913.8; 22-MAY-2010 11:36:27; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;43005  
 14; 6002.5; 22-MAY-2010 11:37:56; Dark ; 45.5; 63; Bet Gru ; 2.15; 2800;occ; 91; 0;43005  
 15; 6086.7; 22-MAY-2010 11:39:20; Dark ; 48.5; 172; Gam Gru ; 3.00; 13100;occ; 97; 0;43006  
 16; 6426.4; 22-MAY-2010 11:45:00; Dark ; 41.5; 45; Alp Pav ; 1.94; 26000;occ; 83; 0;43006  
 17; 6837.5; 22-MAY-2010 11:51:51; Dark ; 43.5; 141; Bet Ara ; 2.84; 4600;occ; 87; 0;43006  
 18; 7002.4; 22-MAY-2010 11:54:36; Dark ; 50.5; 40; The Sco ; 1.86; 7100;occ; 101; 0;43006  
 19; 7113.4; 22-MAY-2010 11:56:27; Dark ; 55.0; 25; 35Lam Sco ; 1.62; 28000;occ; 110; 0;43006  
 20; 7238.2; 22-MAY-2010 11:58:32; Dark ; 49.0; 75; 26Eps Sco ; 2.29; 4250;occ; 98; 0;43006  
 21; 7412.0; 22-MAY-2010 12:01:25; Dark ; 55.0; 16; 21Alp Sco ; 1.02; 3000;occ; 110; 0;43006  
 22; 7557.7; 22-MAY-2010 12:03:51; Bright; 45.5; 97; 8Bet1Sco ; 2.56; 30000;occ; 91; 0;43006

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 3; 2027.3; 22-MAY-2010 12:12:16; Bright; 40.5; 102; 24Alp Ser ; 2.60; 4250;occ; 81; 0;43006  
 4; 2371.0; 22-MAY-2010 12:18:00; Bright; 40.5; 83; ; 2.38; 11000;occ; 81; 0;43006  
 5; 2560.8; 22-MAY-2010 12:21:10; Bright; 36.5; 180; 27Gam Boo ; 3.04; 8000;occ; 73; 0;43006  
 6; 3052.7; 22-MAY-2010 12:29:22; Bright; 41.0; 119; 14Eta Dra ; 2.73; 4700;occ; 82; 0;43006  
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 9; 4009.4; 22-MAY-2010 12:45:19; Bright; 55.0; 68; 18Alp Cas ; 2.22; 4500;occ; 110; 0;43006  
 10; 4529.8; 22-MAY-2010 12:53:59; Dark ; 48.5; 58; 21Alp And ; 2.07; 11000;occ; 97; 0;43006

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13; 5914.8; 22-MAY-2010 13:17:04; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;43006
14; 6003.3; 22-MAY-2010 13:18:32; Dark ; 48.5; 63; Bet Gru ; 2.15; 2800;occ; 97; 0;43006
15; 6088.2; 22-MAY-2010 13:19:57; Dark ; 49.0; 172; Gam Gru ; 3.00; 13100;occ; 98; 0;43007
16; 6426.9; 22-MAY-2010 13:25:36; Dark ; 41.5; 45; Alp Pav ; 1.94; 26000;occ; 83; 0;43007
17; 6838.3; 22-MAY-2010 13:32:27; Dark ; 43.5; 141; Bet Ara ; 2.84; 4600;occ; 87; 0;43007
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19; 7113.8; 22-MAY-2010 13:37:03; Dark ; 53.5; 25; 35Lam Sco ; 1.62; 28000;occ; 107; 0;43007
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 3; 1842.1; 22-MAY-2010 13:49:47; Bright; 44.5; 120; 1Del Oph ; 2.73; 3200;occ; 89; 0;43007
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 5; 2371.2; 22-MAY-2010 13:58:36; Bright; 40.0; 83; ; 2.38; 11000;occ; 80; 0;43007
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 4; 1840.5; 23-MAY-2010 14:58:44; Bright; 44.0; 120; 1Del Oph ; 2.73; 3200;occ; 88; 0;43022
 5; 2024.8; 23-MAY-2010 15:01:49; Bright; 40.0; 102; 24Alp Ser ; 2.60; 4250;occ; 80; 0;43022
 6; 2370.2; 23-MAY-2010 15:07:34; Bright; 36.5; 83; ; 2.38; 11000;occ; 73; 0;43022
 7; 3046.2; 23-MAY-2010 15:18:50; Bright; 42.5; 119; 14Eta Dra ; 2.73; 4700;occ; 85; 0;43022
 8; 3172.6; 23-MAY-2010 15:20:56; Bright; 34.5; 60; 7Bet UMi ; 2.08; 3950;occ; 69; 0;43022
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13; 4799.0; 23-MAY-2010 15:48:03; Dark ; 45.5; 140; 88Gam Peg ; 2.83; 26000;occ; 91; 0;43022
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15; 5931.4; 23-MAY-2010 16:06:55; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;43022
16; 6015.0; 23-MAY-2010 16:08:19; Dark ; 59.0; 63; Bet Gru ; 2.15; 2800;occ; 118; 0;43022
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18; 6438.5; 23-MAY-2010 16:15:22; Dark ; 41.5; 45; Alp Pav ; 1.94; 26000;occ; 83; 0;43023

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 3; 1734.1; 23-MAY-2010 16:37:34; Bright; 38.0; 104; 27Bet Lib ; 2.61; 13100;occ; 76; 0;43023
 4; 1840.3; 23-MAY-2010 16:39:20; Bright; 44.5; 120; 1Del Oph ; 2.73; 3200;occ; 89; 0;43023
 5; 2024.9; 23-MAY-2010 16:42:25; Bright; 40.0; 102; 24Alp Ser ; 2.60; 4250;occ; 80; 0;43023
 6; 2370.2; 23-MAY-2010 16:48:10; Bright; 35.0; 83; ; 2.38; 11000;occ; 70; 0;43023
 7; 3045.9; 23-MAY-2010 16:59:26; Bright; 41.0; 119; 14Eta Dra ; 2.73; 4700;occ; 82; 0;43023
 8; 3172.3; 23-MAY-2010 17:01:32; Bright; 38.0; 60; 7Bet UMi ; 2.08; 3950;occ; 76; 0;43023
 9; 3936.8; 23-MAY-2010 17:14:17; Bright; 34.5; 76; 27Gam Cas ; 2.30; 30000;occ; 69; 0;43023
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11; 4380.5; 23-MAY-2010 17:21:40; Bright; 38.5; 53; 43Bet And ; 2.05; 3300;occ; 77; 0;43023
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13; 4799.5; 23-MAY-2010 17:28:39; Dark ; 47.0; 140; 88Gam Peg ; 2.83; 26000;occ; 94; 0;43023
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16; 6015.9; 23-MAY-2010 17:48:56; Dark ; 55.0; 63; Bet Gru ; 2.15; 2800;occ; 110; 0;43023
17; 6108.1; 23-MAY-2010 17:50:28; Dark ; 48.5; 172; Gam Gru ; 3.00; 13100;occ; 97; 0;43024
18; 6439.2; 23-MAY-2010 17:55:59; Dark ; 42.0; 45; Alp Pav ; 1.94; 26000;occ; 84; 0;43024
19; 6846.0; 23-MAY-2010 18:02:46; Dark ; 40.0; 141; Bet Ara ; 2.84; 4600;occ; 80; 0;43024
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 4; 1381.0; 23-MAY-2010 18:12:17; Dark ; 60.0; 16; 21Alp Sco ; 1.02; 3000;occ; 120; 0;43024
 5; 1524.7; 23-MAY-2010 18:14:41; Bright; 42.0; 97; 8Bet1Sco ; 2.56; 30000;occ; 84; 0;43024
 6; 1734.2; 23-MAY-2010 18:18:10; Bright; 44.5; 104; 27Bet Lib ; 2.61; 13100;occ; 89; 0;43024
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 9; 2370.1; 23-MAY-2010 18:28:46; Bright; 38.5; 83; ; 2.38; 11000;occ; 77; 0;43024
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12; 3936.4; 23-MAY-2010 18:54:52; Bright; 54.0; 76; 27Gam Cas ; 2.30; 30000;occ; 108; 0;43024
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16; 4799.9; 23-MAY-2010 19:09:16; Dark ; 45.5; 140; 88Gam Peg ; 2.83; 26000;occ; 91; 0;43024
17; 5778.0; 23-MAY-2010 19:25:34; Dark ; 53.0; 18; 24Alp PsA ; 1.17; 9700;occ; 106; 0;43024
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20; 6846.1; 23-MAY-2010 19:43:22; Dark ; 46.5; 141; Bet Ara ; 2.84; 4600;occ; 93; 0;43025
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 4; 404.7; 23-MAY-2010 21:17:13; Dark ; 43.0; 45; Alp Pav ; 1.94; 26000;occ; 86; 0;43026
 5; 810.6; 23-MAY-2010 21:23:58; Dark ; 46.5; 141; Bet Ara ; 2.84; 4600;occ; 93; 0;43026
 6; 977.3; 23-MAY-2010 21:26:45; Dark ; 49.0; 40; The Sco ; 1.86; 7100;occ; 98; 0;43026
 7; 1088.1; 23-MAY-2010 21:28:36; Dark ; 52.5; 25; 35Lam Sco ; 1.62; 28000;occ; 105; 0;43026
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 9; 1381.4; 23-MAY-2010 21:33:29; Dark ; 55.0; 16; 21Alp Sco ; 1.02; 3000;occ; 110; 0;43026
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13; 2369.8; 23-MAY-2010 21:49:58; Bright; 41.0; 83; ; 2.38; 11000;occ; 82; 0;43026
14; 3044.4; 23-MAY-2010 22:01:12; Bright; 38.5; 119; 14Eta Dra ; 2.73; 4700;occ; 77; 0;43026
15; 3172.0; 23-MAY-2010 22:03:20; Bright; 38.5; 60; 7Bet UMi ; 2.08; 3950;occ; 77; 0;43026
16; 3936.5; 23-MAY-2010 22:16:04; Bright; 37.5; 76; 27Gam Cas ; 2.30; 30000;occ; 75; 0;43026
17; 4008.5; 23-MAY-2010 22:17:16; Bright; 55.0; 68; 18Alp Cas ; 2.22; 4500;occ; 110; 0;43026
18; 4381.1; 23-MAY-2010 22:23:29; Bright; 38.5; 53; 43Bet And ; 2.05; 3300;occ; 77; 0;43026
19; 4533.1; 23-MAY-2010 22:26:01; Dark ; 51.5; 58; 21Alp And ; 2.07; 11000;occ; 103; 0;43026
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 14; 2370.0; 23-MAY-2010 23:30:34; Bright; 36.0; 83; ; 2.38; 11000;occ; 72; 0;43027  
 15; 3044.4; 23-MAY-2010 23:41:48; Bright; 41.0; 119; 14Eta Dra ; 2.73; 4700;occ; 82; 0;43027  
 16; 3171.9; 23-MAY-2010 23:43:56; Bright; 38.0; 60; 7Bet UMi ; 2.08; 3950;occ; 76; 0;43027  
 17; 3936.3; 23-MAY-2010 23:56:40; Bright; 54.0; 76; 27Gam Cas ; 2.30; 30000;occ; 108; 0;43027  
 18; 4008.5; 23-MAY-2010 23:57:52; Bright; 55.0; 68; 18Alp Cas ; 2.22; 4500;occ; 110; 0;43027  
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 6; 978.6; 24-MAY-2010 00:47:58; Dark ; 53.0; 40; The Sco ; 1.86; 7100;occ; 106; 0;43028  
 7; 1089.1; 24-MAY-2010 00:49:49; Dark ; 49.5; 25; 35Lam Sco ; 1.62; 28000;occ; 99; 0;43028  
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 9; 1381.7; 24-MAY-2010 00:54:41; Dark ; 50.0; 16; 21Alp Sco ; 1.02; 3000;occ; 100; 0;43028  
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 12; 1839.7; 24-MAY-2010 01:02:19; Bright; 44.5; 120; 1Del Oph ; 2.73; 3200;occ; 89; 0;43028  
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 16; 3171.7; 24-MAY-2010 01:24:31; Bright; 36.5; 60; 7Bet UMi ; 2.08; 3950;occ; 73; 0;43028  
 17; 3936.5; 24-MAY-2010 01:37:16; Bright; 50.0; 76; 27Gam Cas ; 2.30; 30000;occ; 100; 0;43028  
 18; 4008.4; 24-MAY-2010 01:38:28; Bright; 55.0; 68; 18Alp Cas ; 2.22; 4500;occ; 110; 0;43028  
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 6; 812.0; 24-MAY-2010 02:25:47; Dark ; 43.0; 141; Bet Ara ; 2.84; 4600;occ; 86; 0;43029  
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 13; 1839.7; 24-MAY-2010 02:42:55; Bright; 45.0; 120; 1Del Oph ; 2.73; 3200;occ; 90; 0;43029  
 14; 2023.9; 24-MAY-2010 02:45:59; Bright; 40.5; 102; 24Alp Ser ; 2.60; 4250;occ; 81; 0;43029  
 15; 2369.7; 24-MAY-2010 02:51:45; Bright; 39.5; 83; ; 2.38; 11000;occ; 79; 0;43029  
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 17; 3171.8; 24-MAY-2010 03:05:07; Bright; 37.0; 60; 7Bet UMi ; 2.08; 3950;occ; 74; 0;43029

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 5; 3041.5; 24-MAY-2010 11:25:57; Bright; 40.0; 119; 14Eta Dra ; 2.73; 4700;occ; 80; 0;43034  
 6; 3171.3; 24-MAY-2010 11:28:06; Bright; 37.0; 60; 7Bet UMi ; 2.08; 3950;occ; 74; 0;43034  
 7; 3936.2; 24-MAY-2010 11:40:51; Bright; 54.0; 76; 27Gam Cas ; 2.30; 30000;occ; 108; 0;43034  
 8; 4008.3; 24-MAY-2010 11:42:03; Bright; 55.0; 68; 18Alp Cas ; 2.22; 4500;occ; 110; 0;43034  
 9; 4382.1; 24-MAY-2010 11:48:17; Bright; 38.0; 53; 43Bet And ; 2.05; 3300;occ; 76; 0;43034  
 10; 4534.6; 24-MAY-2010 11:50:50; Dark ; 49.5; 58; 21Alp And ; 2.07; 11000;occ; 99; 0;43034  
 11; 4803.4; 24-MAY-2010 11:55:18; Dark ; 45.5; 140; 88Gam Peg ; 2.83; 26000;occ; 91; 0;43034  
 12; 5333.2; 24-MAY-2010 12:04:08; Dark ; 45.0; 52; 16Bet Cet ; 2.04; 4500;occ; 90; 0;43034  
 13; 5871.3; 24-MAY-2010 12:13:06; Dark ; 54.5; 0; ; 0.00; 0;occ; 109; 0;43034  
 14; 6023.8; 24-MAY-2010 12:15:39; Dark ; 51.5; 63; Bet Gru ; 2.15; 2800;occ; 103; 0;43034  
 15; 6125.8; 24-MAY-2010 12:17:21; Dark ; 44.0; 31; Alp Gru ; 1.73; 15200;occ; 88; 0;43035  
 16; 6447.0; 24-MAY-2010 12:22:42; Dark ; 41.5; 45; Alp Pav ; 1.94; 26000;occ; 83; 0;43035  
 17; 6850.8; 24-MAY-2010 12:29:26; Dark ; 48.0; 141; Bet Ara ; 2.84; 4600;occ; 96; 0;43035  
 18; 7018.2; 24-MAY-2010 12:32:13; Dark ; 49.0; 40; The Sco ; 1.86; 7100;occ; 98; 0;43035  
 19; 7128.7; 24-MAY-2010 12:34:04; Dark ; 48.5; 25; 35Lam Sco ; 1.62; 28000;occ; 97; 0;43035  
 20; 7249.3; 24-MAY-2010 12:36:04; Dark ; 49.0; 75; 26Eps Sco ; 2.29; 4250;occ; 98; 0;43035  
 21; 7419.9; 24-MAY-2010 12:38:55; Dark ; 60.0; 16; 21Alp Sco ; 1.02; 3000;occ; 120; 0;43035  
 22; 7562.5; 24-MAY-2010 12:41:18; Bright; 40.5; 97; 8Bet1Sco ; 2.56; 30000;occ; 81; 0;43035

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 3; 2023.0; 24-MAY-2010 12:49:34; Bright; 39.5; 102; 24Alp Ser ; 2.60; 4250;occ; 79; 0;43035  
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 9; 4534.8; 24-MAY-2010 13:31:26; Dark ; 49.0; 58; 21Alp And ; 2.07; 11000;occ; 98; 0;43035  
 10; 4803.7; 24-MAY-2010 13:35:55; Dark ; 45.5; 140; 88Gam Peg ; 2.83; 26000;occ; 91; 0;43035



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 13; 6024.8; 24-MAY-2010 13:56:16; Dark ; 49.0; 63; Bet Gru ; 2.15; 2800;occ; 98; 0;43035  
 14; 6126.7; 24-MAY-2010 13:57:58; Dark ; 45.5; 31; Alp Gru ; 1.73; 15200;occ; 91; 0;43036  
 15; 6447.5; 24-MAY-2010 14:03:18; Dark ; 46.5; 45; Alp Pav ; 1.94; 26000;occ; 93; 0;43036  
 16; 6851.0; 24-MAY-2010 14:10:02; Dark ; 44.0; 141; Bet Ara ; 2.84; 4600;occ; 88; 0;43036  
 17; 7018.8; 24-MAY-2010 14:12:50; Dark ; 50.0; 40; The Sco ; 1.86; 7100;occ; 100; 0;43036  
 18; 7129.0; 24-MAY-2010 14:14:40; Dark ; 51.0; 25; 35Lam Sco ; 1.62; 28000;occ; 102; 0;43036  
 19; 7249.8; 24-MAY-2010 14:16:41; Dark ; 50.0; 75; 26Eps Sco ; 2.29; 4250;occ; 100; 0;43036  
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 21; 7562.5; 24-MAY-2010 14:21:53; Bright; 26.5; 97; 8Bet1Sco ; 2.56; 30000;occ; 53; 0;43036

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 4; 2022.9; 24-MAY-2010 14:30:10; Bright; 39.5; 102; 24Alp Ser ; 2.60; 4250;occ; 79; 0;43036  
 5; 2369.5; 24-MAY-2010 14:35:56; Bright; 38.5; 83; ; 2.38; 11000;occ; 77; 0;43036  
 6; 3041.0; 24-MAY-2010 14:47:08; Bright; 41.0; 119; 14Eta Dra ; 2.73; 4700;occ; 82; 0;43036  
 7; 3171.4; 24-MAY-2010 14:49:18; Bright; 37.0; 60; 7Bet UMi ; 2.08; 3950;occ; 74; 0;43036  
 8; 3936.3; 24-MAY-2010 15:02:03; Bright; 35.5; 76; 27Gam Cas ; 2.30; 30000;occ; 71; 0;43036  
 9; 4008.2; 24-MAY-2010 15:03:15; Bright; 43.5; 68; 18Alp Cas ; 2.22; 4500;occ; 87; 0;43036  
 10; 4382.1; 24-MAY-2010 15:09:29; Bright; 38.5; 53; 43Bet And ; 2.05; 3300;occ; 77; 0;43036  
 11; 4535.0; 24-MAY-2010 15:12:02; Dark ; 46.5; 58; 21Alp And ; 2.07; 11000;occ; 93; 0;43036  
 12; 4804.7; 24-MAY-2010 15:16:32; Dark ; 45.5; 140; 88Gam Peg ; 2.83; 26000;occ; 91; 0;43036  
 13; 5334.2; 24-MAY-2010 15:25:21; Dark ; 49.5; 52; 16Bet Cet ; 2.04; 4500;occ; 99; 0;43036  
 14; 5862.2; 24-MAY-2010 15:34:09; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;43036  
 15; 6025.6; 24-MAY-2010 15:36:52; Dark ; 60.0; 63; Bet Gru ; 2.15; 2800;occ; 120; 0;43036  
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 17; 6448.4; 24-MAY-2010 15:43:55; Dark ; 43.5; 45; Alp Pav ; 1.94; 26000;occ; 87; 0;43037  
 18; 6851.5; 24-MAY-2010 15:50:38; Dark ; 43.0; 141; Bet Ara ; 2.84; 4600;occ; 86; 0;43037  
 19; 7019.5; 24-MAY-2010 15:53:26; Dark ; 48.5; 40; The Sco ; 1.86; 7100;occ; 97; 0;43037  
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 21; 7250.3; 24-MAY-2010 15:57:17; Dark ; 48.0; 75; 26Eps Sco ; 2.29; 4250;occ; 96; 0;43037

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 3; 1735.3; 24-MAY-2010 16:05:58; Bright; 38.5; 104; 27Bet Lib ; 2.61; 13100;occ; 77; 0;43037  
 4; 1839.1; 24-MAY-2010 16:07:42; Bright; 44.5; 120; 1Del Oph ; 2.73; 3200;occ; 89; 0;43037  
 5; 2023.2; 24-MAY-2010 16:10:46; Bright; 40.0; 102; 24Alp Ser ; 2.60; 4250;occ; 80; 0;43037  
 6; 3040.4; 24-MAY-2010 16:27:43; Bright; 42.0; 119; 14Eta Dra ; 2.73; 4700;occ; 84; 0;43037  
 7; 3171.2; 24-MAY-2010 16:29:54; Bright; 37.5; 60; 7Bet UMi ; 2.08; 3950;occ; 75; 0;43037  
 8; 3936.3; 24-MAY-2010 16:42:39; Bright; 54.0; 76; 27Gam Cas ; 2.30; 30000;occ; 108; 0;43037  
 9; 4008.0; 24-MAY-2010 16:43:51; Bright; 55.0; 68; 18Alp Cas ; 2.22; 4500;occ; 110; 0;43037  
 10; 4382.4; 24-MAY-2010 16:50:05; Bright; 38.5; 53; 43Bet And ; 2.05; 3300;occ; 77; 0;43037  
 11; 4535.0; 24-MAY-2010 16:52:38; Dark ; 49.5; 58; 21Alp And ; 2.07; 11000;occ; 99; 0;43037  
 12; 4804.7; 24-MAY-2010 16:57:08; Dark ; 46.5; 140; 88Gam Peg ; 2.83; 26000;occ; 93; 0;43037  
 13; 5334.8; 24-MAY-2010 17:05:58; Dark ; 48.0; 52; 16Bet Cet ; 2.04; 4500;occ; 96; 0;43037  
 14; 5859.5; 24-MAY-2010 17:14:42; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;43037  
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 16; 6128.7; 24-MAY-2010 17:19:12; Dark ; 43.5; 31; Alp Gru ; 1.73; 15200;occ; 87; 0;43038  
 17; 6449.0; 24-MAY-2010 17:24:32; Dark ; 42.0; 45; Alp Pav ; 1.94; 26000;occ; 84; 0;43038  
 18; 6852.2; 24-MAY-2010 17:31:15; Dark ; 41.5; 141; Bet Ara ; 2.84; 4600;occ; 83; 0;43038  
 19; 7019.9; 24-MAY-2010 17:34:03; Dark ; 49.0; 40; The Sco ; 1.86; 7100;occ; 98; 0;43038

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 5; 1527.2; 24-MAY-2010 17:43:06; Bright; 41.0; 97; 8Bet1Sco ; 2.56; 30000;occ; 82; 0;43038  
 6; 1735.5; 24-MAY-2010 17:46:34; Bright; 38.5; 104; 27Bet Lib ; 2.61; 13100;occ; 77; 0;43038  
 7; 1839.1; 24-MAY-2010 17:48:18; Bright; 43.5; 120; 1Del Oph ; 2.73; 3200;occ; 87; 0;43038  
 8; 2022.8; 24-MAY-2010 17:51:22; Bright; 39.5; 102; 24Alp Ser ; 2.60; 4250;occ; 79; 0;43038  
 9; 2369.4; 24-MAY-2010 17:57:08; Bright; 40.0; 83; ; 2.38; 11000;occ; 80; 0;43038  
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 11; 3171.1; 24-MAY-2010 18:10:30; Bright; 34.5; 60; 7Bet UMi ; 2.08; 3950;occ; 69; 0;43038  
 12; 3935.9; 24-MAY-2010 18:23:15; Bright; 54.0; 76; 27Gam Cas ; 2.30; 30000;occ; 108; 0;43038  
 13; 4007.9; 24-MAY-2010 18:24:27; Bright; 53.0; 68; 18Alp Cas ; 2.22; 4500;occ; 106; 0;43038  
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16; 4805.2; 24-MAY-2010 18:37:44; Dark ; 46.0; 140; 88Gam Peg ; 2.83; 26000;occ; 92; 0;43038
17; 5335.1; 24-MAY-2010 18:46:34; Dark ; 46.5; 52; 16Bet Cet ; 2.04; 4500;occ; 93; 0;43038
18; 5860.0; 24-MAY-2010 18:55:19; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;43038
19; 6026.8; 24-MAY-2010 18:58:06; Dark ; 46.0; 63; Bet Gru ; 2.15; 2800;occ; 92; 0;43038
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22; 6852.5; 24-MAY-2010 19:11:51; Dark ; 47.0; 141; Bet Ara ; 2.84; 4600;occ; 94; 0;43039
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 6; 1735.6; 24-MAY-2010 19:27:10; Bright; 38.0; 104; 27Bet Lib ; 2.61; 13100;occ; 76; 0;43039
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 9; 2369.6; 24-MAY-2010 19:37:44; Bright; 35.5; 83; ; 2.38; 11000;occ; 71; 0;43039
10; 3039.7; 24-MAY-2010 19:48:55; Bright; 40.5; 119; 14Eta Dra ; 2.73; 4700;occ; 81; 0;43039
11; 3171.2; 24-MAY-2010 19:51:06; Bright; 37.5; 60; 7Bet UMi ; 2.08; 3950;occ; 75; 0;43039
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13; 4007.8; 24-MAY-2010 20:05:03; Bright; 35.5; 68; 18Alp Cas ; 2.22; 4500;occ; 71; 0;43039
14; 4382.5; 24-MAY-2010 20:11:17; Bright; 39.0; 53; 43Bet And ; 2.05; 3300;occ; 78; 0;43039
15; 4535.6; 24-MAY-2010 20:13:50; Dark ; 48.0; 58; 21Alp And ; 2.07; 11000;occ; 96; 0;43039
16; 4805.2; 24-MAY-2010 20:18:20; Dark ; 47.0; 140; 88Gam Peg ; 2.83; 26000;occ; 94; 0;43039
17; 5335.5; 24-MAY-2010 20:27:10; Dark ; 48.5; 52; 16Bet Cet ; 2.04; 4500;occ; 97; 0;43039
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21; 6450.5; 24-MAY-2010 20:45:45; Dark ; 42.5; 45; Alp Pav ; 1.94; 26000;occ; 85; 0;43040
22; 6852.8; 24-MAY-2010 20:52:28; Dark ; 46.0; 141; Bet Ara ; 2.84; 4600;occ; 92; 0;43040
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 5; 416.4; 25-MAY-2010 01:47:35; Dark ; 42.0; 45; Alp Pav ; 1.94; 26000;occ; 84; 0;43043
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11; 1527.6; 25-MAY-2010 02:06:06; Bright; 40.5; 97; 8Bet1Sco ; 2.56; 30000;occ; 81; 0;43043
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15; 1386.3; 25-MAY-2010 03:44:21; Dark ; 59.0; 16; 21Alp Sco ; 1.02; 3000;occ; 118; 0;43044
16; 1527.8; 25-MAY-2010 03:46:42; Bright; 43.0; 97; 8Bet1Sco ; 2.56; 30000;occ; 86; 0;43044
17; 1736.1; 25-MAY-2010 03:50:10; Bright; 38.0; 104; 27Bet Lib ; 2.61; 13100;occ; 76; 0;43044

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21; 3037.8; 25-MAY-2010 04:11:52; Bright; 41.0; 119; 14Eta Dra ; 2.73; 4700;occ; 82; 0;43044
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 9; 1220.8; 25-MAY-2010 22:08:10; Dark ; 49.0; 75; 26Eps Sco ; 2.29; 4250;occ; 98; 0;43055
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13; 1837.7; 25-MAY-2010 22:18:27; Bright; 43.0; 120; 1Del Oph ; 2.73; 3200;occ; 86; 0;43055
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16; 3034.1; 25-MAY-2010 22:38:24; Bright; 40.5; 119; 14Eta Dra ; 2.73; 4700;occ; 81; 0;43055
17; 3170.0; 25-MAY-2010 22:40:40; Bright; 39.0; 60; 7Bet UMi ; 2.08; 3950;occ; 78; 0;43055
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13; 1837.7; 25-MAY-2010 23:59:03; Bright; 42.5; 120; 1Del Oph ; 2.73; 3200;occ; 85; 0;43056
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15; 2384.5; 26-MAY-2010 00:08:10; Bright; 38.0; 67; 5Alp CrB ; 2.22; 11000;occ; 76; 0;43056
16; 3033.6; 26-MAY-2010 00:18:59; Bright; 36.5; 119; 14Eta Dra ; 2.73; 4700;occ; 73; 0;43056
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18; 3935.3; 26-MAY-2010 00:34:01; Bright; 54.0; 76; 27Gam Cas ; 2.30; 30000;occ; 108; 0;43056
19; 4006.8; 26-MAY-2010 00:35:12; Bright; 38.5; 68; 18Alp Cas ; 2.22; 4500;occ; 77; 0;43056
20; 4384.6; 26-MAY-2010 00:41:30; Bright; 39.5; 53; 43Bet And ; 2.05; 3300;occ; 79; 0;43056
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22; 4811.9; 26-MAY-2010 00:48:37; Dark ; 44.5; 140; 88Gam Peg ; 2.83; 26000;occ; 89; 0;43056
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 2; 420.0; 25-MAY-2010 10:10:38; Dark ; 41.0; 45; Alp Pav ; 1.94; 26000;occ; 82; 0;43048
 3; 820.4; 25-MAY-2010 10:17:18; Dark ; 41.5; 141; Bet Ara ; 2.84; 4600;occ; 83; 0;43048
 4; 989.2; 25-MAY-2010 10:20:07; Dark ; 46.5; 40; The Sco ; 1.86; 7100;occ; 93; 0;43048
 5; 1101.2; 25-MAY-2010 10:21:59; Dark ; 46.0; 115; 34Ups Sco ; 2.70; 26000;occ; 92; 0;43048
 6; 1218.3; 25-MAY-2010 10:23:56; Dark ; 47.5; 75; 26Eps Sco ; 2.29; 4250;occ; 95; 0;43048
 7; 1387.0; 25-MAY-2010 10:26:45; Dark ; 57.0; 16; 21Alp Sco ; 1.02; 3000;occ; 114; 0;43048

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3; 2021.6; 25-MAY-2010 10:37:20; Bright; 38.5; 102; 24Alp Ser ; 2.60; 4250;occ; 77; 0;43048
4; 2368.7; 25-MAY-2010 10:43:07; Bright; 39.0; 83; ; 2.38; 11000;occ; 78; 0;43048
5; 3036.6; 25-MAY-2010 10:54:15; Bright; 40.5; 119; 14Eta Dra ; 2.73; 4700;occ; 81; 0;43048
6; 3170.7; 25-MAY-2010 10:56:29; Bright; 38.5; 60; 7Bet UMi ; 2.08; 3950;occ; 77; 0;43048
7; 3935.6; 25-MAY-2010 11:09:14; Bright; 54.0; 76; 27Gam Cas ; 2.30; 30000;occ; 108; 0;43048
8; 4007.4; 25-MAY-2010 11:10:25; Bright; 37.0; 68; 18Alp Cas ; 2.22; 4500;occ; 74; 0;43048
9; 4383.4; 25-MAY-2010 11:16:41; Bright; 39.0; 53; 43Bet And ; 2.05; 3300;occ; 78; 0;43048
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12; 5339.7; 25-MAY-2010 11:32:38; Dark ; 46.0; 52; 16Bet Cet ; 2.04; 4500;occ; 92; 0;43048
13; 5865.5; 25-MAY-2010 11:41:24; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;43048
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16; 6456.6; 25-MAY-2010 11:51:15; Dark ; 41.0; 45; Alp Pav ; 1.94; 26000;occ; 82; 0;43049
17; 6856.5; 25-MAY-2010 11:57:55; Dark ; 42.5; 141; Bet Ara ; 2.84; 4600;occ; 85; 0;43049
18; 7025.5; 25-MAY-2010 12:00:44; Dark ; 50.5; 40; The Sco ; 1.86; 7100;occ; 101; 0;43049
19; 7137.2; 25-MAY-2010 12:02:35; Dark ; 47.5; 115; 34Ups Sco ; 2.70; 26000;occ; 95; 0;43049
20; 7254.4; 25-MAY-2010 12:04:32; Dark ; 56.5; 75; 26Eps Sco ; 2.29; 4250;occ; 113; 0;43049
21; 7423.4; 25-MAY-2010 12:07:21; Dark ; 59.0; 16; 21Alp Sco ; 1.02; 3000;occ; 118; 0;43049
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4; 2369.0; 25-MAY-2010 12:23:43; Bright; 38.5; 83; ; 2.38; 11000;occ; 77; 0;43049
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6; 3170.4; 25-MAY-2010 12:37:04; Bright; 38.0; 60; 7Bet UMi ; 2.08; 3950;occ; 76; 0;43049
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4; 2021.4; 25-MAY-2010 13:58:31; Bright; 39.0; 102; 24Alp Ser ; 2.60; 4250;occ; 78; 0;43050
5; 2368.8; 25-MAY-2010 14:04:19; Bright; 37.0; 83; ; 2.38; 11000;occ; 74; 0;43050
6; 3035.6; 25-MAY-2010 14:15:25; Bright; 39.0; 119; 14Eta Dra ; 2.73; 4700;occ; 78; 0;43050
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9; 4007.5; 25-MAY-2010 14:31:37; Bright; 55.0; 68; 18Alp Cas ; 2.22; 4500;occ; 110; 0;43050
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19; 7136.8; 25-MAY-2010 15:23:47; Dark ; 51.0; 25; 35Lam Sco ; 1.62; 28000;occ; 102; 0;43051
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 4; 1220.2; 25-MAY-2010 20:27:34; Dark ; 50.0; 75; 26Eps Sco ; 2.29; 4250;occ; 100; 0;43054  
 5; 1388.7; 25-MAY-2010 20:30:22; Dark ; 52.0; 16; 21Alp Sco ; 1.02; 3000;occ; 104; 0;43054  
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 8; 1837.8; 25-MAY-2010 20:37:51; Bright; 45.0; 120; 1Del Oph ; 2.73; 3200;occ; 90; 0;43054  
 9; 2020.5; 25-MAY-2010 20:40:54; Bright; 39.5; 102; 24Alp Ser ; 2.60; 4250;occ; 79; 0;43054  
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 17; 4811.4; 25-MAY-2010 21:27:25; Dark ; 45.5; 140; 88Gam Peg ; 2.83; 26000;occ; 91; 0;43054

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 13; 4537.9; 25-MAY-2010 18:01:40; Dark ; 48.0; 58; 21Alp And ; 2.07; 11000;occ; 96; 0;43052  
 14; 4810.8; 25-MAY-2010 18:06:13; Dark ; 47.0; 140; 88Gam Peg ; 2.83; 26000;occ; 94; 0;43052  
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 17; 6038.0; 25-MAY-2010 18:26:40; Dark ; 46.5; 63; Bet Gru ; 2.15; 2800;occ; 93; 0;43052  
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 19; 6459.8; 25-MAY-2010 18:33:42; Dark ; 42.0; 45; Alp Pav ; 1.94; 26000;occ; 84; 0;43053  
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12; 3935.5; 25-MAY-2010 19:32:13; Bright; 54.0; 76; 27Gam Cas ; 2.30; 30000;occ; 108; 0;43053
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21; 6460.1; 25-MAY-2010 20:14:18; Dark ; 42.5; 45; Alp Pav ; 1.94; 26000;occ; 85; 0;43054
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3; 4.9; 26-MAY-2010 01:09:06; Dark ; 43.5; 63; Bet Gru ; 2.15; 2800;occ; 87; 0;43056
4; 109.2; 26-MAY-2010 01:10:50; Dark ; 43.0; 31; Alp Gru ; 1.73; 15200;occ; 86; 0;43057
5; 426.4; 26-MAY-2010 01:16:08; Dark ; 41.5; 45; Alp Pav ; 1.94; 26000;occ; 83; 0;43057
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9; 1221.6; 26-MAY-2010 01:29:23; Dark ; 49.5; 75; 26Eps Sco ; 2.29; 4250;occ; 99; 0;43057
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11; 1530.1; 26-MAY-2010 01:34:31; Bright; 39.5; 97; 8Bet1Sco ; 2.56; 30000;occ; 79; 0;43057
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13; 1837.4; 26-MAY-2010 01:39:39; Bright; 43.0; 120; 1Del Oph ; 2.73; 3200;occ; 86; 0;43057
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22; 4812.8; 26-MAY-2010 02:29:14; Dark ; 44.5; 140; 88Gam Peg ; 2.83; 26000;occ; 89; 0;43057
23; 5344.0; 26-MAY-2010 02:38:05; Dark ; 44.0; 52; 16Bet Cet ; 2.04; 4500;occ; 88; 0;43057
24; 5870.7; 26-MAY-2010 02:46:52; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;43057
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26; 6145.7; 26-MAY-2010 02:51:27; Dark ; 43.0; 31; Alp Gru ; 1.73; 15200;occ; 86; 0;43058
27; 6462.9; 26-MAY-2010 02:56:44; Dark ; 42.5; 45; Alp Pav ; 1.94; 26000;occ; 85; 0;43058
28; 6860.4; 26-MAY-2010 03:03:22; Dark ; 46.0; 141; Bet Ara ; 2.84; 4600;occ; 92; 0;43058
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31; 7258.1; 26-MAY-2010 03:09:59; Dark ; 46.0; 75; 26Eps Sco ; 2.29; 4250;occ; 92; 0;43058
32; 7386.2; 26-MAY-2010 03:12:07; Dark ; 48.0; 136; 23Tau Sco ; 2.82; 30000;occ; 96; 0;43058
33; 7566.0; 26-MAY-2010 03:15:07; Bright; 40.5; 97; 8Bet1Sco ; 2.56; 30000;occ; 81; 0;43058
34; 7773.2; 26-MAY-2010 03:18:35; Bright; 37.5; 104; 27Bet Lib ; 2.61; 13100;occ; 75; 0;43058
35; 8056.2; 26-MAY-2010 03:23:17; Bright; 39.5; 102; 24Alp Ser ; 2.60; 4250;occ; 79; 0;43058
36; 8419.9; 26-MAY-2010 03:29:21; Bright; 41.0; 67; 5Alp CrB ; 2.22; 11000;occ; 82; 0;43058
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 19; 5870.7; 26-MAY-2010 02:46:52; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;43057  
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 21; 6145.7; 26-MAY-2010 02:51:27; Dark ; 43.0; 31; Alp Gru ; 1.73; 15200;occ; 86; 0;43058  
 22; 6462.9; 26-MAY-2010 02:56:44; Dark ; 42.5; 45; Alp Pav ; 1.94; 26000;occ; 85; 0;43058  
 23; 6860.4; 26-MAY-2010 03:03:22; Dark ; 46.0; 141; Bet Ara ; 2.84; 4600;occ; 92; 0;43058  
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 12; 995.3; 26-MAY-2010 06:27:25; Dark ; 47.5; 40; The Sco ; 1.86; 7100;occ; 95; 0;43060  
 13; 1105.3; 26-MAY-2010 06:29:15; Dark ; 48.0; 25; 35Lam Sco ; 1.62; 28000;occ; 96; 0;43060  
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 15; 1351.2; 26-MAY-2010 06:33:20; Dark ; 43.0; 136; 23Tau Sco ; 2.82; 30000;occ; 86; 0;43060  
 16; 1530.5; 26-MAY-2010 06:36:20; Bright; 41.0; 97; 8Bet1Sco ; 2.56; 30000;occ; 82; 0;43060  
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 19; 2383.6; 26-MAY-2010 06:50:33; Bright; 57.0; 67; 5Alp CrB ; 2.22; 11000;occ; 114; 0;43060  
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8; 7.9; 26-MAY-2010 07:51:33; Dark ; 58.0; 63; Bet Gru ; 2.15; 2800;occ; 116; 0;43060
9; 112.6; 26-MAY-2010 07:53:18; Dark ; 44.0; 31; Alp Gru ; 1.73; 15200;occ; 88; 0;43061
10; 429.3; 26-MAY-2010 07:58:34; Dark ; 43.0; 45; Alp Pav ; 1.94; 26000;occ; 86; 0;43061
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3; 2383.4; 26-MAY-2010 08:31:08; Bright; 39.5; 67; 5Alp CrB ; 2.22; 11000;occ; 79; 0;43061
4; 3031.8; 26-MAY-2010 08:41:57; Bright; 40.5; 119; 14Eta Dra ; 2.73; 4700;occ; 81; 0;43061
5; 3169.2; 26-MAY-2010 08:44:14; Bright; 35.0; 60; 7Bet UMi ; 2.08; 3950;occ; 70; 0;43061
6; 3935.0; 26-MAY-2010 08:57:00; Bright; 54.0; 76; 27Gam Cas ; 2.30; 30000;occ; 108; 0;43061
7; 4006.9; 26-MAY-2010 08:58:12; Bright; 56.0; 68; 18Alp Cas ; 2.22; 4500;occ; 112; 0;43061
8; 4385.3; 26-MAY-2010 09:04:30; Bright; 39.5; 53; 43Bet And ; 2.05; 3300;occ; 79; 0;43061
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13; 6044.6; 26-MAY-2010 09:32:10; Dark ; 47.5; 63; Bet Gru ; 2.15; 2800;occ; 95; 0;43061
14; 6149.5; 26-MAY-2010 09:33:55; Dark ; 49.0; 31; Alp Gru ; 1.73; 15200;occ; 98; 0;43062
15; 6465.7; 26-MAY-2010 09:39:11; Dark ; 43.5; 45; Alp Pav ; 1.94; 26000;occ; 87; 0;43062
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19; 7259.2; 26-MAY-2010 09:52:24; Dark ; 47.0; 75; 26Eps Sco ; 2.29; 4250;occ; 94; 0;43062
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21; 7566.8; 26-MAY-2010 09:57:32; Bright; 42.0; 97; 8Bet1Sco ; 2.56; 30000;occ; 84; 0;43062
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3; 2383.1; 26-MAY-2010 10:11:44; Bright; 41.0; 67; 5Alp CrB ; 2.22; 11000;occ; 82; 0;43062
4; 3031.4; 26-MAY-2010 10:22:32; Bright; 38.0; 119; 14Eta Dra ; 2.73; 4700;occ; 76; 0;43062
5; 3169.5; 26-MAY-2010 10:24:51; Bright; 36.0; 60; 7Bet UMi ; 2.08; 3950;occ; 72; 0;43062
6; 3935.0; 26-MAY-2010 10:37:36; Bright; 54.0; 76; 27Gam Cas ; 2.30; 30000;occ; 108; 0;43062
7; 4006.3; 26-MAY-2010 10:38:47; Bright; 39.5; 68; 18Alp Cas ; 2.22; 4500;occ; 79; 0;43062
8; 4385.1; 26-MAY-2010 10:45:06; Bright; 40.0; 53; 43Bet And ; 2.05; 3300;occ; 80; 0;43062
9; 4539.4; 26-MAY-2010 10:47:40; Dark ; 50.0; 58; 21Alp And ; 2.07; 11000;occ; 100; 0;43062
10; 4814.5; 26-MAY-2010 10:52:16; Dark ; 46.0; 140; 88Gam Peg ; 2.83; 26000;occ; 92; 0;43062
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12; 5873.6; 26-MAY-2010 11:09:55; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;43062
13; 6045.4; 26-MAY-2010 11:12:46; Dark ; 60.0; 63; Bet Gru ; 2.15; 2800;occ; 120; 0;43063
14; 6150.3; 26-MAY-2010 11:14:31; Dark ; 50.5; 31; Alp Gru ; 1.73; 15200;occ; 101; 0;43063
15; 6466.5; 26-MAY-2010 11:19:48; Dark ; 42.5; 45; Alp Pav ; 1.94; 26000;occ; 85; 0;43063
16; 6862.5; 26-MAY-2010 11:26:24; Dark ; 40.0; 141; Bet Ara ; 2.84; 4600;occ; 80; 0;43063
17; 7032.5; 26-MAY-2010 11:29:14; Dark ; 48.0; 40; The Sco ; 1.86; 7100;occ; 96; 0;43063
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19; 7259.5; 26-MAY-2010 11:33:01; Dark ; 48.5; 75; 26Eps Sco ; 2.29; 4250;occ; 97; 0;43063
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3; 2382.7; 26-MAY-2010 11:52:20; Bright; 38.5; 67; 5Alp CrB ; 2.22; 11000;occ; 77; 0;43063
4; 3031.1; 26-MAY-2010 12:03:08; Bright; 40.5; 119; 14Eta Dra ; 2.73; 4700;occ; 81; 0;43063
5; 3169.1; 26-MAY-2010 12:05:26; Bright; 53.0; 60; 7Bet UMi ; 2.08; 3950;occ; 106; 0;43063
6; 3935.0; 26-MAY-2010 12:18:12; Bright; 37.5; 76; 27Gam Cas ; 2.30; 30000;occ; 75; 0;43063
7; 4006.5; 26-MAY-2010 12:19:23; Bright; 39.0; 68; 18Alp Cas ; 2.22; 4500;occ; 78; 0;43063
8; 4385.7; 26-MAY-2010 12:25:43; Bright; 39.5; 53; 43Bet And ; 2.05; 3300;occ; 79; 0;43063
9; 4540.3; 26-MAY-2010 12:28:17; Dark ; 48.0; 58; 21Alp And ; 2.07; 11000;occ; 96; 0;43063
10; 4815.9; 26-MAY-2010 12:32:53; Dark ; 44.0; 140; 88Gam Peg ; 2.83; 26000;occ; 88; 0;43063

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 14; 6151.7; 26-MAY-2010 12:55:09; Dark ; 45.0; 31; Alp Gru ; 1.73; 15200;occ; 90; 0;43064  
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 16; 6863.6; 26-MAY-2010 13:07:00; Dark ; 42.0; 141; Bet Ara ; 2.84; 4600;occ; 84; 0;43064  
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 5; 2383.8; 26-MAY-2010 13:32:57; Bright; 37.5; 67; 5Alp CrB ; 2.22; 11000;occ; 75; 0;43064  
 6; 3031.7; 26-MAY-2010 13:43:44; Bright; 37.0; 119; 14Eta Dra ; 2.73; 4700;occ; 74; 0;43064  
 7; 3170.3; 26-MAY-2010 13:46:03; Bright; 34.0; 60; 7Bet UMi ; 2.08; 3950;occ; 68; 0;43064  
 8; 3935.8; 26-MAY-2010 13:58:49; Bright; 39.0; 76; 27Gam Cas ; 2.30; 30000;occ; 78; 0;43064  
 9; 4007.3; 26-MAY-2010 14:00:00; Bright; 45.0; 68; 18Alp Cas ; 2.22; 4500;occ; 90; 0;43064  
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 13; 5348.2; 26-MAY-2010 14:22:21; Dark ; 46.0; 52; 16Bet Cet ; 2.04; 4500;occ; 92; 0;43064  
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 17; 6468.7; 26-MAY-2010 14:41:01; Dark ; 43.0; 45; Alp Pav ; 1.94; 26000;occ; 86; 0;43065  
 18; 6864.1; 26-MAY-2010 14:47:37; Dark ; 42.0; 141; Bet Ara ; 2.84; 4600;occ; 84; 0;43065  
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3; 1248.7; 31-MAY-2010 18:58:56; Dark ; 46.0; 75; 26Eps Sco ; 2.29; 4250;occ; 92; 0;43139
4; 1371.2; 31-MAY-2010 19:00:59; Dark ; 48.5; 136; 23Tau Sco ; 2.82; 30000;occ; 97; 0;43139
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6; 1590.2; 31-MAY-2010 19:04:38; Bright; 47.5; 86; 35Eta Oph ; 2.43; 10200;occ; 95; 0;43139
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