

# GOMOS Daily Report 28-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	31MAY2010 07:42:57
Data source version	GOMOS/5.00L04
Start time of products	28MAY2010 00:06:14
Stop time of products	28MAY2010 23:59:00
Store outputs in DB	Yes
Nb of level 1b prods	128
Nb of prods with errors	2

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

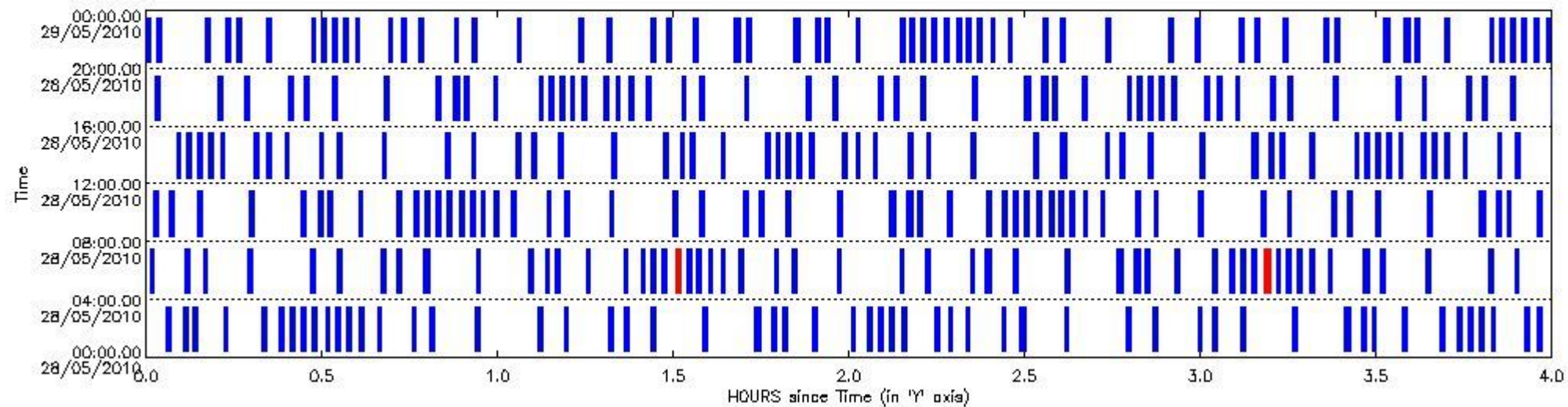
### 2.1 Level 0 products arrived in PCF (see template [here](#))

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

Red segments are missing products.

Blue segments are available products.

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



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

UTC start time	Star name	Star ID	Orbit
28-MAY-2010 05:30:22	23TauSco	136	43088
28-MAY-2010 07:10:58	23TauSco	136	43089

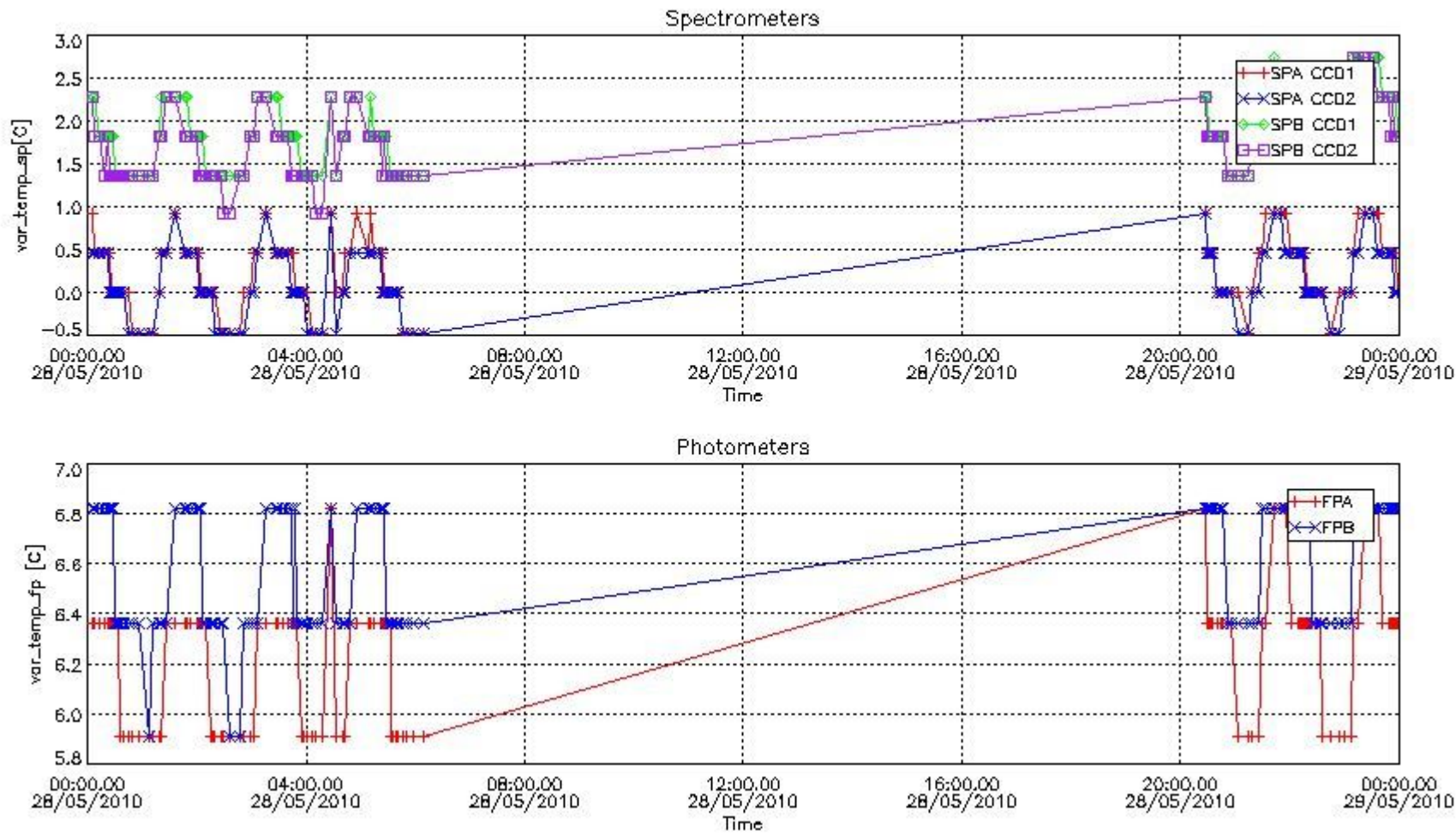
### 2.4 Summary of processed GOM\_TRA\_1P products

Nr	Filename	UTC Start time	Limb	Duration	Star Id	Star Name	Star Mag	Star Temp	Nb Meas	Orbit	Prod. error
1	GOM_TRA_1PNPDE20100528_000614_000000492089_00446_43085_4624.N1	28-MAY-2010 00:06:14	Dark	48.500	63	Bet Gru	2.1500	2800.0	97	43085	No
2	GOM_TRA_1PNPDE20100528_000801_000000452089_00446_43085_4625.N1	28-MAY-2010 00:08:01	Dark	45.000	31	Alp Gru	1.7340	15200.	90	43085	No
3	GOM_TRA_1PNPDE20100528_001313_000000432089_00446_43085_4626.N1	28-MAY-2010 00:13:13	Dark	42.500	45	Alp Pav	1.9400	26000.	85	43085	No
4	GOM_TRA_1PNPDE20100528_001943_000000462089_00446_43085_4627.N1	28-MAY-2010 00:19:43	Straylight	45.500	141	Bet Ara	2.8400	4600.0	91	43085	No
5	GOM_TRA_1PNPDE20100528_002235_000000472089_00446_43085_4628.N1	28-MAY-2010 00:22:35	Straylight	46.500	40	The Sco	1.8590	7100.0	93	43085	No
6	GOM_TRA_1PNPDE20100528_002425_000000492089_00446_43085_4629.N1	28-MAY-2010 00:24:25	Twilight_stray	48.500	25	35Lam Sco	1.6200	28000.	97	43085	No
7	GOM_TRA_1PNPDE20100528_002618_000000492089_00446_43085_4630.N1	28-MAY-2010 00:26:18	Twilight_stray	48.500	75	26Eps Sco	2.2910	4250.0	97	43085	No
8	GOM_TRA_1PNPDE20100528_002825_000000432089_00446_43085_4631.N1	28-MAY-2010 00:28:25	Twilight_stray	43.000	136	23Tau Sco	2.8220	30000.	86	43085	No
9	GOM_TRA_1PNPDE20100528_003034_000000422089_00446_43085_4632.N1	28-MAY-2010 00:30:34	Bright	41.500	80	7Del Sco	2.3160	30000.	83	43085	No

10	GOM_TRA_1PNPDE20100528_003212_000000492089_00446_43085_4633.N1	28-MAY-2010 00:32:12	Bright	49.000	86	35Eta Oph	2.4300	10200.	98	43085	No
11	GOM_TRA_1PNPDE20100528_003408_000000452089_00446_43085_4634.N1	28-MAY-2010 00:34:08	Bright	45.000	98	13Zet Oph	2.5710	30000.	90	43085	No
12	GOM_TRA_1PNPDE20100528_003623_000000422089_00446_43085_4635.N1	28-MAY-2010 00:36:23	Bright	41.500	120	1Del Oph	2.7340	3200.0	83	43085	No
13	GOM_TRA_1PNPDE20100528_003925_000000392089_00446_43085_4636.N1	28-MAY-2010 00:39:25	Bright	38.500	102	24Alp Ser	2.6000	4250.0	77	43085	No
14	GOM_TRA_1PNPDE20100528_004526_000000372089_00446_43085_4637.N1	28-MAY-2010 00:45:26	Bright	36.500	67	5Alp CrB	2.2210	11000.	73	43085	No
15	GOM_TRA_1PNPDE20100528_004829_000000452089_00446_43085_4638.N1	28-MAY-2010 00:48:29	Bright	44.500	133	40Zet Her	2.8070	6000.0	89	43085	No
16	GOM_TRA_1PNPDE20100528_005611_000000392089_00446_43085_4639.N1	28-MAY-2010 00:56:11	Bright	39.000	119	14Eta Dra	2.7270	4700.0	78	43085	No
17	GOM_TRA_1PNPDE20100528_010651_000000482089_00446_43085_4640.N1	28-MAY-2010 01:06:51	Bright	48.000	89	5Alp Cep	2.4510	8000.0	96	43085	No
18	GOM_TRA_1PNPDE20100528_011120_000000402089_00446_43085_4641.N1	28-MAY-2010 01:11:20	Bright	39.500	76	27Gam Cas	2.3000	30000.	79	43085	No
19	GOM_TRA_1PNPDE20100528_011854_000000422089_00446_43085_4642.N1	28-MAY-2010 01:18:54	Bright	42.000	53	43Bet And	2.0480	3300.0	84	43085	No
20	GOM_TRA_1PNPDE20100528_012131_000000502089_00446_43085_4643.N1	28-MAY-2010 01:21:31	Tw_i_and_stray	49.500	58	21Alp And	2.0730	11000.	99	43085	No
21	GOM_TRA_1PNPDE20100528_012612_000000482089_00446_43085_4644.N1	28-MAY-2010 01:26:12	Dark	47.500	140	88Gam Peg	2.8340	26000.	95	43085	No
22	GOM_TRA_1PNPDE20100528_013505_000000452089_00446_43085_4642.N1	28-MAY-2010 01:35:05	Dark	44.500	52	16Bet Cet	2.0370	4500.0	89	43085	No
23	GOM_TRA_1PNPDE20100528_014651_000000512089_00447_43086_4643.N1	28-MAY-2010 01:46:51	Dark	51.000	63	Bet Gru	2.1500	2800.0	102	43086	No
24	GOM_TRA_1PNPDE20100528_014838_000000452089_00447_43086_4644.N1	28-MAY-2010 01:48:38	Dark	44.500	31	Alp Gru	1.7340	15200.	89	43086	No
25	GOM_TRA_1PNPDE20100528_015350_000000442089_00447_43086_4645.N1	28-MAY-2010 01:53:50	Straylight	43.500	45	Alp Pav	1.9400	26000.	87	43086	No
26	GOM_TRA_1PNPDE20100528_020019_000000422089_00447_43086_4646.N1	28-MAY-2010 02:00:19	Straylight	42.000	141	Bet Ara	2.8400	4600.0	84	43086	No
27	GOM_TRA_1PNPDE20100528_020311_000000472089_00447_43086_4647.N1	28-MAY-2010 02:03:11	Straylight	46.500	40	The Sco	1.8590	7100.0	93	43086	No
28	GOM_TRA_1PNPDE20100528_020501_000000512089_00447_43086_4648.N1	28-MAY-2010 02:05:01	Tw_i_and_stray	50.500	25	35Lam Sco	1.6200	28000.	101	43086	No
29	GOM_TRA_1PNPDE20100528_020655_000000502089_00447_43086_4649.N1	28-MAY-2010 02:06:55	Tw_i_and_stray	49.500	75	26Eps Sco	2.2910	4250.0	99	43086	No
30	GOM_TRA_1PNPDE20100528_020901_000000432089_00447_43086_4650.N1	28-MAY-2010 02:09:01	Tw_i_and_stray	42.500	136	23Tau Sco	2.8220	30000.	85	43086	No
31	GOM_TRA_1PNPDE20100528_021444_000000452089_00447_43086_4651.N1	28-MAY-2010 02:14:44	Bright	44.500	98	13Zet Oph	2.5710	30000.	89	43086	No
32	GOM_TRA_1PNPDE20100528_021659_000000422089_00447_43086_4652.N1	28-MAY-2010 02:16:59	Bright	41.500	120	1Del Oph	2.7340	3200.0	83	43086	No
33	GOM_TRA_1PNPDE20100528_022001_000000392089_00447_43086_4653.N1	28-MAY-2010 02:20:01	Bright	38.500	102	24Alp Ser	2.6000	4250.0	77	43086	No
34	GOM_TRA_1PNPDE20100528_022601_000000392089_00447_43086_4654.N1	28-MAY-2010 02:26:01	Bright	39.000	67	5Alp CrB	2.2210	11000.	78	43086	No
35	GOM_TRA_1PNPDE20100528_022904_000000672089_00447_43086_4655.N1	28-MAY-2010 02:29:04	Bright	67.000	133	40Zet Her	2.8070	6000.0	134	43086	No
36	GOM_TRA_1PNPDE20100528_023646_000000402089_00447_43086_4656.N1	28-MAY-2010 02:36:46	Bright	40.000	119	14Eta Dra	2.7270	4700.0	80	43086	No
37	GOM_TRA_1PNPDE20100528_024726_000000482089_00447_43086_4669.N1	28-MAY-2010 02:47:26	Bright	47.500	89	5Alp Cep	2.4510	8000.0	95	43086	No
38	GOM_TRA_1PNPDE20100528_025157_000000502089_00447_43086_4670.N1	28-MAY-2010 02:51:57	Bright	50.000	76	27Gam Cas	2.3000	30000.	100	43086	No
39	GOM_TRA_1PNPDE20100528_025931_000000412089_00447_43086_4671.N1	28-MAY-2010 02:59:31	Bright	41.000	53	43Bet And	2.0480	3300.0	82	43086	No
40	GOM_TRA_1PNPDE20100528_030207_000000512089_00447_43086_4672.N1	28-MAY-2010 03:02:07	Tw_i_and_stray	50.500	58	21Alp And	2.0730	11000.	101	43086	No
41	GOM_TRA_1PNPDE20100528_030648_000000492089_00447_43086_4673.N1	28-MAY-2010 03:06:48	Dark	49.000	140	88Gam Peg	2.8340	26000.	98	43086	No
42	GOM_TRA_1PNPDE20100528_031542_000000462089_00447_43086_4674.N1	28-MAY-2010 03:15:42	Dark	45.500	52	16Bet Cet	2.0370	4500.0	91	43086	No
43	GOM_TRA_1PNPDE20100528_032727_000000582089_00448_43087_4675.N1	28-MAY-2010 03:27:27	Dark	58.000	63	Bet Gru	2.1500	2800.0	116	43087	No
44	GOM_TRA_1PNPDE20100528_032915_000000472089_00448_43087_4676.N1	28-MAY-2010 03:29:15	Dark	46.500	31	Alp Gru	1.7340	15200.	93	43087	No
45	GOM_TRA_1PNPDE20100528_033427_000000442089_00448_43087_4677.N1	28-MAY-2010 03:34:27	Straylight	43.500	45	Alp Pav	1.9400	26000.	87	43087	No
46	GOM_TRA_1PNPDE20100528_034056_000000412089_00448_43087_4678.N1	28-MAY-2010 03:40:56	Straylight	41.000	141	Bet Ara	2.8400	4600.0	82	43087	No
47	GOM_TRA_1PNPDE20100528_034348_000000472089_00448_43087_4679.N1	28-MAY-2010 03:43:48	Straylight	47.000	40	The Sco	1.8590	7100.0	94	43087	No
48	GOM_TRA_1PNPDE20100528_034537_000000492089_00448_43087_4680.N1	28-MAY-2010 03:45:37	Tw_i_and_stray	48.500	25	35Lam Sco	1.6200	28000.	97	43087	No
49	GOM_TRA_1PNPDE20100528_034731_000000472089_00448_43087_4681.N1	28-MAY-2010 03:47:31	Tw_i_and_stray	46.500	75	26Eps Sco	2.2910	4250.0	93	43087	No
50	GOM_TRA_1PNPDE20100528_034937_000000432089_00448_43087_4682.N1	28-MAY-2010 03:49:37	Tw_i_and_stray	43.000	136	23Tau Sco	2.8220	30000.	86	43087	No
51	GOM_TRA_1PNPDE20100528_035520_000000442089_00448_43087_4683.N1	28-MAY-2010 03:55:20	Bright	44.000	98	13Zet Oph	2.5710	30000.	88	43087	No
52	GOM_TRA_1PNPDE20100528_035735_000000432089_00448_43087_4684.N1	28-MAY-2010 03:57:35	Bright	43.000	120	1Del Oph	2.7340	3200.0	86	43087	No
53	GOM_TRA_1PNPDE20100528_040037_000000382089_00448_43087_4685.N1	28-MAY-2010 04:00:37	Bright	38.000	102	24Alp Ser	2.6000	4250.0	76	43087	No
54	GOM_TRA_1PNPDE20100528_040637_000000402089_00448_43087_4686.N1	28-MAY-2010 04:06:37	Bright	39.500	67	5Alp CrB	2.2210	11000.	79	43087	No
55	GOM_TRA_1PNPDE20100528_040940_000000462089_00448_43087_4687.N1	28-MAY-2010 04:09:40	Bright	45.500	133	40Zet Her	2.8070	6000.0	91	43087	No
56	GOM_TRA_1PNPDE20100528_041722_000000412089_00448_43087_4688.N1	28-MAY-2010 04:17:22	Bright	40.500	119	14Eta Dra	2.7270	4700.0	81	43087	No
57	GOM_TRA_1PNPDE20100528_042802_000000472089_00448_43087_4689.N1	28-MAY-2010 04:28:02	Bright	47.000	89	5Alp Cep	2.4510	8000.0	94	43087	Yes
58	GOM_TRA_1PNPDE20100528_043233_000000502089_00448_43087_4690.N1	28-MAY-2010 04:32:33	Bright	49.500	76	27Gam Cas	2.3000	30000.	99	43087	No
59	GOM_TRA_1PNPDE20100528_044007_000000422089_00448_43087_4691.N1	28-MAY-2010 04:40:07	Bright	42.000	53	43Bet And	2.0480	3300.0	84	43087	No
60	GOM_TRA_1PNPDE20100528_044243_000000512089_00448_43087_4692.N1	28-MAY-2010 04:42:43	Tw_i_and_stray	50.500	58	21Alp And	2.0730	11000.	101	43087	No
61	GOM_TRA_1PNPDE20100528_044724_000000512089_00448_43087_4693.N1	28-MAY-2010 04:47:24	Dark	50.500	140	88Gam Peg	2.8340	26000.	101	43087	No
62	GOM_TRA_1PNPDE20100528_045618_000000462089_00448_43087_4694.N1	28-MAY-2010 04:56:18	Dark	45.500	52	16Bet Cet	2.0370	4500.0	91	43087	No
63	GOM_TRA_1PNPDE20100528_050804_000000472089_00449_43088_4695.N1	28-MAY-2010 05:08:04	Dark	47.000	63	Bet Gru	2.1500	2800.0	94	43088	No
64	GOM_TRA_1PNPDE20100528_050952_000000442089_00449_43088_4696.N1	28-MAY-2010 05:09:52	Dark	44.000	31	Alp Gru	1.7340	15200.	88	43088	No
65	GOM_TRA_1PNPDE20100528_051503_000000432089_00449_43088_4697.N1	28-MAY-2010 05:15:03	Straylight	42.500	45	Alp Pav	1.9400	26000.	85	43088	No
66	GOM_TRA_1PNPDE20100528_052132_000000412089_00449_43088_4698.N1	28-MAY-2010 05:21:32	Straylight	40.500	141	Bet Ara	2.8400	4600.0	81	43088	No
67	GOM_TRA_1PNPDE20100528_052424_000000472089_00449_43088_4699.N1	28-MAY-2010 05:24:24	Straylight	46.500	40	The Sco	1.8590	7100.0	93	43088	No
68	GOM_TRA_1PNPDE20100528_052614_000000482089_00449_43088_4700.N1	28-MAY-2010 05:26:14	Tw_i_and_stray	48.000	25	35Lam Sco	1.6200	28000.	96	43088	No

69	GOM_TRA_1PNPDE20100528_052807_000000472089_00449_43088_4701.N1	28-MAY-2010 05:28:07	Twilight	46.500	75	26Eps Sco	2.2910	4250.0	93	43088	No
70	GOM_TRA_1PNPDE20100528_053222_000000412089_00449_43088_4702.N1	28-MAY-2010 05:32:22	Bright	41.000	80	7Del Sco	2.3160	30000.	82	43088	No
71	GOM_TRA_1PNPDE20100528_053400_000000482089_00449_43088_4703.N1	28-MAY-2010 05:34:00	Bright	48.000	86	35Eta Oph	2.4300	10200.	96	43088	No
72	GOM_TRA_1PNPDE20100528_053556_000000462089_00449_43088_4704.N1	28-MAY-2010 05:35:56	Bright	45.500	98	13Zet Oph	2.5710	30000.	91	43088	No
73	GOM_TRA_1PNPDE20100528_053811_000000422089_00449_43088_4705.N1	28-MAY-2010 05:38:11	Bright	41.500	120	1Del Oph	2.7340	3200.0	83	43088	No
74	GOM_TRA_1PNPDE20100528_054113_000000382089_00449_43088_4706.N1	28-MAY-2010 05:41:13	Bright	38.000	102	24Alp Ser	2.6000	4250.0	76	43088	No
75	GOM_TRA_1PNPDE20100528_054713_000000372089_00449_43088_4707.N1	28-MAY-2010 05:47:13	Bright	37.000	67	5Alp CrB	2.2210	11000.	74	43088	No
76	GOM_TRA_1PNPDE20100528_055015_000000482089_00449_43088_4708.N1	28-MAY-2010 05:50:15	Bright	48.000	133	40Zet Her	2.8070	6000.0	96	43088	No
77	GOM_TRA_1PNPDE20100528_055757_000000402089_00449_43088_4709.N1	28-MAY-2010 05:57:57	Bright	39.500	119	14Eta Dra	2.7270	4700.0	79	43088	No
78	GOM_TRA_1PNPDE20100528_060837_000000462089_00449_43088_4710.N1	28-MAY-2010 06:08:37	Bright	46.000	89	5Alp Cep	2.4510	8000.0	92	43088	No
79	GOM_TRA_1PNPDE20100528_202812_000000432089_00458_43097_4807.N1	28-MAY-2010 20:28:12	Straylight	42.500	147	Alp Ara	2.8770	26000.	85	43097	Yes
80	GOM_TRA_1PNPDE20100528_202952_000000472089_00458_43097_4808.N1	28-MAY-2010 20:29:52	Straylight	47.000	40	The Sco	1.8590	7100.0	94	43097	No
81	GOM_TRA_1PNPDE20100528_203141_000000502089_00458_43097_4809.N1	28-MAY-2010 20:31:41	Twilight	49.500	25	35Lam Sco	1.6200	28000.	99	43097	No
82	GOM_TRA_1PNPDE20100528_203334_000000482089_00458_43097_4810.N1	28-MAY-2010 20:33:34	Twilight	47.500	75	26Eps Sco	2.2910	4250.0	95	43097	No
83	GOM_TRA_1PNPDE20100528_203539_000000452089_00458_43097_4811.N1	28-MAY-2010 20:35:39	Twilight	44.500	136	23Tau Sco	2.8220	30000.	89	43097	No
84	GOM_TRA_1PNPDE20100528_204120_000000442089_00458_43097_4812.N1	28-MAY-2010 20:41:20	Bright	43.500	98	13Zet Oph	2.5710	30000.	87	43097	No
85	GOM_TRA_1PNPDE20100528_204334_000000412089_00458_43097_4813.N1	28-MAY-2010 20:43:34	Bright	41.000	120	1Del Oph	2.7340	3200.0	82	43097	No
86	GOM_TRA_1PNPDE20100528_204635_000000382089_00458_43097_4814.N1	28-MAY-2010 20:46:35	Bright	38.000	102	24Alp Ser	2.6000	4250.0	76	43097	No
87	GOM_TRA_1PNPDE20100528_205234_000000412089_00458_43097_4815.N1	28-MAY-2010 20:52:34	Bright	40.500	67	5Alp CrB	2.2210	11000.	81	43097	No
88	GOM_TRA_1PNPDE20100528_205533_000000482089_00458_43097_4816.N1	28-MAY-2010 20:55:33	Bright	47.500	133	40Zet Her	2.8070	6000.0	95	43097	No
89	GOM_TRA_1PNPDE20100528_210318_000000412089_00458_43097_4817.N1	28-MAY-2010 21:03:18	Bright	41.000	119	14Eta Dra	2.7270	4700.0	82	43097	No
90	GOM_TRA_1PNPDE20100528_211355_000000472089_00458_43097_4818.N1	28-MAY-2010 21:13:55	Bright	47.000	89	5Alp Cep	2.4510	8000.0	94	43097	No
91	GOM_TRA_1PNPDE20100528_211831_000000552089_00458_43097_4819.N1	28-MAY-2010 21:18:31	Bright	55.000	76	27Gam Cas	2.3000	30000.	110	43097	No
92	GOM_TRA_1PNPDE20100528_212607_000000552089_00458_43097_4820.N1	28-MAY-2010 21:26:07	Bright	55.000	53	43Bet And	2.0480	3300.0	110	43097	No
93	GOM_TRA_1PNPDE20100528_212845_000000502089_00458_43097_4821.N1	28-MAY-2010 21:28:45	Twilight	49.500	58	21Alp And	2.0730	11000.	99	43097	No
94	GOM_TRA_1PNPDE20100528_213328_000000492089_00458_43097_4822.N1	28-MAY-2010 21:33:28	Dark	49.000	140	88Gam Peg	2.8340	26000.	98	43097	No
95	GOM_TRA_1PNPDE20100528_214223_000000472089_00458_43097_4824.N1	28-MAY-2010 21:42:23	Dark	47.000	52	16Bet Cet	2.0370	4500.0	94	43097	No
96	GOM_TRA_1PNPDE20100528_215035_000000592089_00458_43097_4825.N1	28-MAY-2010 21:50:35	Dark	58.500	18	24Alp PsA	1.1660	9700.0	117	43097	No
97	GOM_TRA_1PNPDE20100528_215412_000000562089_00459_43098_4826.N1	28-MAY-2010 21:54:12	Dark	56.000	63	Bet Gru	2.1500	2800.0	112	43098	No
98	GOM_TRA_1PNPDE20100528_215600_000000462089_00459_43098_4827.N1	28-MAY-2010 21:56:00	Dark	45.500	31	Alp Gru	1.7340	15200.	91	43098	No
99	GOM_TRA_1PNPDE20100528_220109_000000442089_00459_43098_4828.N1	28-MAY-2010 22:01:09	Straylight	43.500	45	Alp Pav	1.9400	26000.	87	43098	No
100	GOM_TRA_1PNPDE20100528_220849_000000432089_00459_43098_4829.N1	28-MAY-2010 22:08:49	Straylight	42.500	147	Alp Ara	2.8770	26000.	85	43098	No
101	GOM_TRA_1PNPDE20100528_221029_000000482089_00459_43098_4830.N1	28-MAY-2010 22:10:29	Straylight	47.500	40	The Sco	1.8590	7100.0	95	43098	No
102	GOM_TRA_1PNPDE20100528_221218_000000492089_00459_43098_4831.N1	28-MAY-2010 22:12:18	Twilight	49.000	25	35Lam Sco	1.6200	28000.	98	43098	No
103	GOM_TRA_1PNPDE20100528_221410_000000492089_00459_43098_4832.N1	28-MAY-2010 22:14:10	Twilight	48.500	75	26Eps Sco	2.2910	4250.0	97	43098	No
104	GOM_TRA_1PNPDE20100528_221615_000000452089_00459_43098_4833.N1	28-MAY-2010 22:16:15	Twilight	45.000	136	23Tau Sco	2.8220	30000.	90	43098	No
105	GOM_TRA_1PNPDE20100528_221824_000000412089_00459_43098_4834.N1	28-MAY-2010 22:18:24	Bright	40.500	80	7Del Sco	2.3160	30000.	81	43098	No
106	GOM_TRA_1PNPDE20100528_222001_000000482089_00459_43098_4835.N1	28-MAY-2010 22:20:01	Bright	48.000	86	35Eta Oph	2.4300	10200.	96	43098	No
107	GOM_TRA_1PNPDE20100528_222155_000000442089_00459_43098_4836.N1	28-MAY-2010 22:21:55	Bright	43.500	98	13Zet Oph	2.5710	30000.	87	43098	No
108	GOM_TRA_1PNPDE20100528_222409_000000432089_00459_43098_4837.N1	28-MAY-2010 22:24:09	Bright	43.000	120	1Del Oph	2.7340	3200.0	86	43098	No
109	GOM_TRA_1PNPDE20100528_222712_000000382089_00459_43098_4838.N1	28-MAY-2010 22:27:12	Bright	37.500	102	24Alp Ser	2.6000	4250.0	75	43098	No
110	GOM_TRA_1PNPDE20100528_223310_000000392089_00459_43098_4839.N1	28-MAY-2010 22:33:10	Bright	39.000	67	5Alp CrB	2.2210	11000.	78	43098	No
111	GOM_TRA_1PNPDE20100528_223608_000000442089_00459_43098_4840.N1	28-MAY-2010 22:36:08	Bright	44.000	133	40Zet Her	2.8070	6000.0	88	43098	No
112	GOM_TRA_1PNPDE20100528_224354_000000422089_00459_43098_4841.N1	28-MAY-2010 22:43:54	Bright	41.500	119	14Eta Dra	2.7270	4700.0	83	43098	No
113	GOM_TRA_1PNPDE20100528_225430_000000482089_00459_43098_4842.N1	28-MAY-2010 22:54:30	Bright	47.500	89	5Alp Cep	2.4510	8000.0	95	43098	No
114	GOM_TRA_1PNPDE20100528_225907_000000492089_00459_43098_4843.N1	28-MAY-2010 22:59:07	Bright	48.500	76	27Gam Cas	2.3000	30000.	97	43098	No
115	GOM_TRA_1PNPDE20100528_230644_000000442089_00459_43098_4844.N1	28-MAY-2010 23:06:44	Bright	44.000	53	43Bet And	2.0480	3300.0	88	43098	No
116	GOM_TRA_1PNPDE20100528_230921_000000522089_00459_43098_4845.N1	28-MAY-2010 23:09:21	Twilight	51.500	58	21Alp And	2.0730	11000.	103	43098	No
117	GOM_TRA_1PNPDE20100528_231405_000000472089_00459_43098_4846.N1	28-MAY-2010 23:14:05	Dark	47.000	140	88Gam Peg	2.8340	26000.	94	43098	No
118	GOM_TRA_1PNPDE20100528_232259_000000522089_00459_43098_4843.N1	28-MAY-2010 23:22:59	Dark	52.000	52	16Bet Cet	2.0370	4500.0	104	43098	No
119	GOM_TRA_1PNPDE20100528_233112_000000622089_00459_43098_4844.N1	28-MAY-2010 23:31:12	Dark	61.500	18	24Alp PsA	1.1660	9700.0	123	43098	No
120	GOM_TRA_1PNPDE20100528_233449_000000602089_00460_43099_4845.N1	28-MAY-2010 23:34:49	Dark	59.500	63	Bet Gru	2.1500	2800.0	119	43099	No
121	GOM_TRA_1PNPDE20100528_233637_000000462089_00460_43099_4846.N1	28-MAY-2010 23:36:37	Dark	46.000	31	Alp Gru	1.7340	15200.	92	43099	No
122	GOM_TRA_1PNPDE20100528_234146_000000432089_00460_43099_4847.N1	28-MAY-2010 23:41:46	Straylight	42.500	45	Alp Pav	1.9400	26000.	85	43099	No
123	GOM_TRA_1PNPDE20100528_234925_000000422089_00460_43099_4848.N1	28-MAY-2010 23:49:25	Straylight	42.000	147	Alp Ara	2.8770	26000.	84	43099	No
124	GOM_TRA_1PNPDE20100528_235105_000000462089_00460_43099_4849.N1	28-MAY-2010 23:51:05	Straylight	46.000	40	The Sco	1.8590	7100.0	92	43099	No
125	GOM_TRA_1PNPDE20100528_235254_000000482089_00460_43099_4850.N1	28-MAY-2010 23:52:54	Twilight	48.000	25	35Lam Sco	1.6200	28000.	96	43099	No
126	GOM_TRA_1PNPDE20100528_235446_000000492089_00460_43099_4851.N1	28-MAY-2010 23:54:46	Twilight	48.500	75	26Eps Sco	2.2910	4250.0	97	43099	No
127	GOM_TRA_1PNPDE20100528_235651_000000482089_00460_43099_4852.N1	28-MAY-2010 23:56:51	Twilight	48.000	136	23Tau Sco	2.8220	30000.	96	43099	No

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



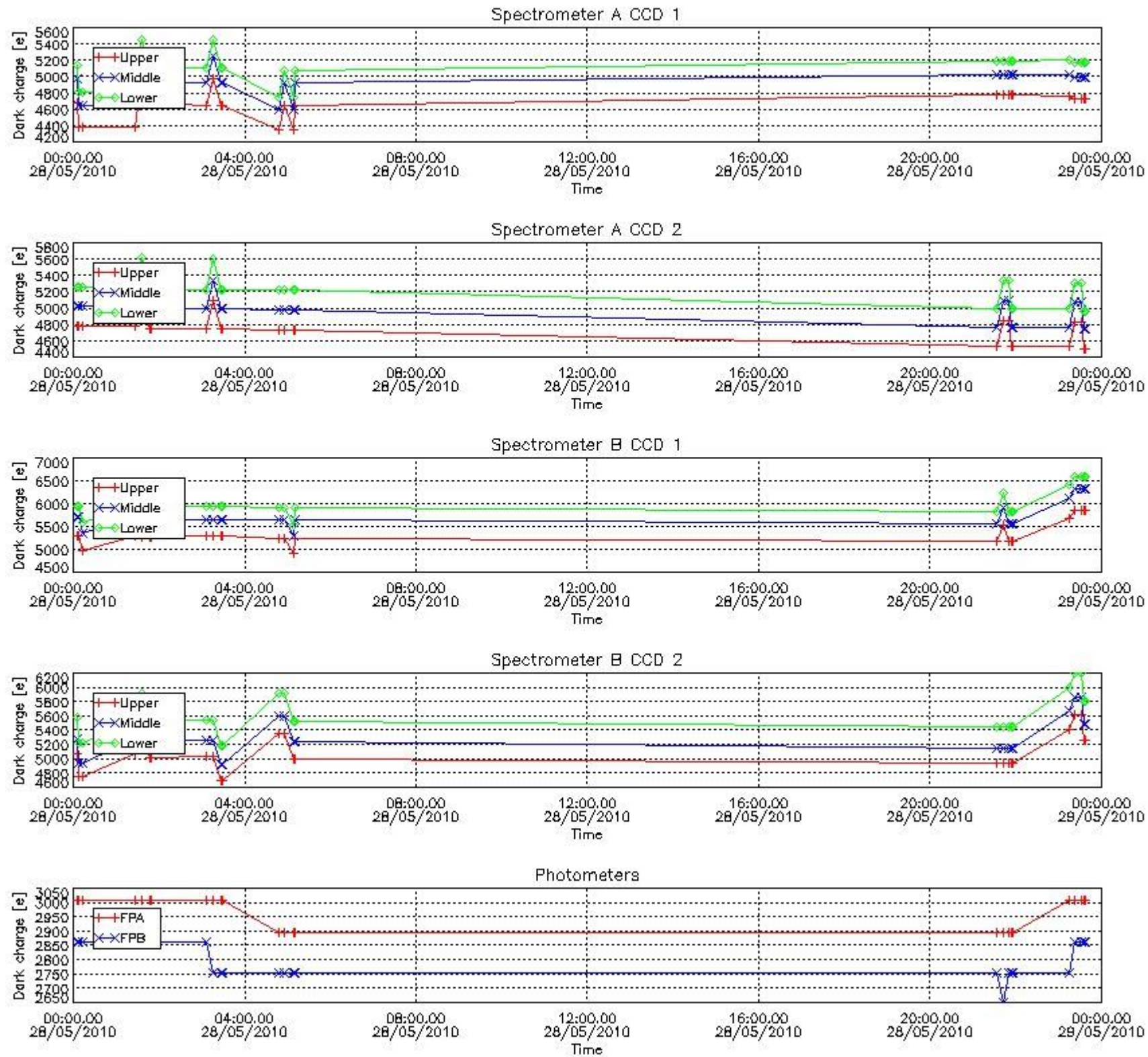
### 4. Overview of dark signal processing per product

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 All products used the DSA observation for the DC computation

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



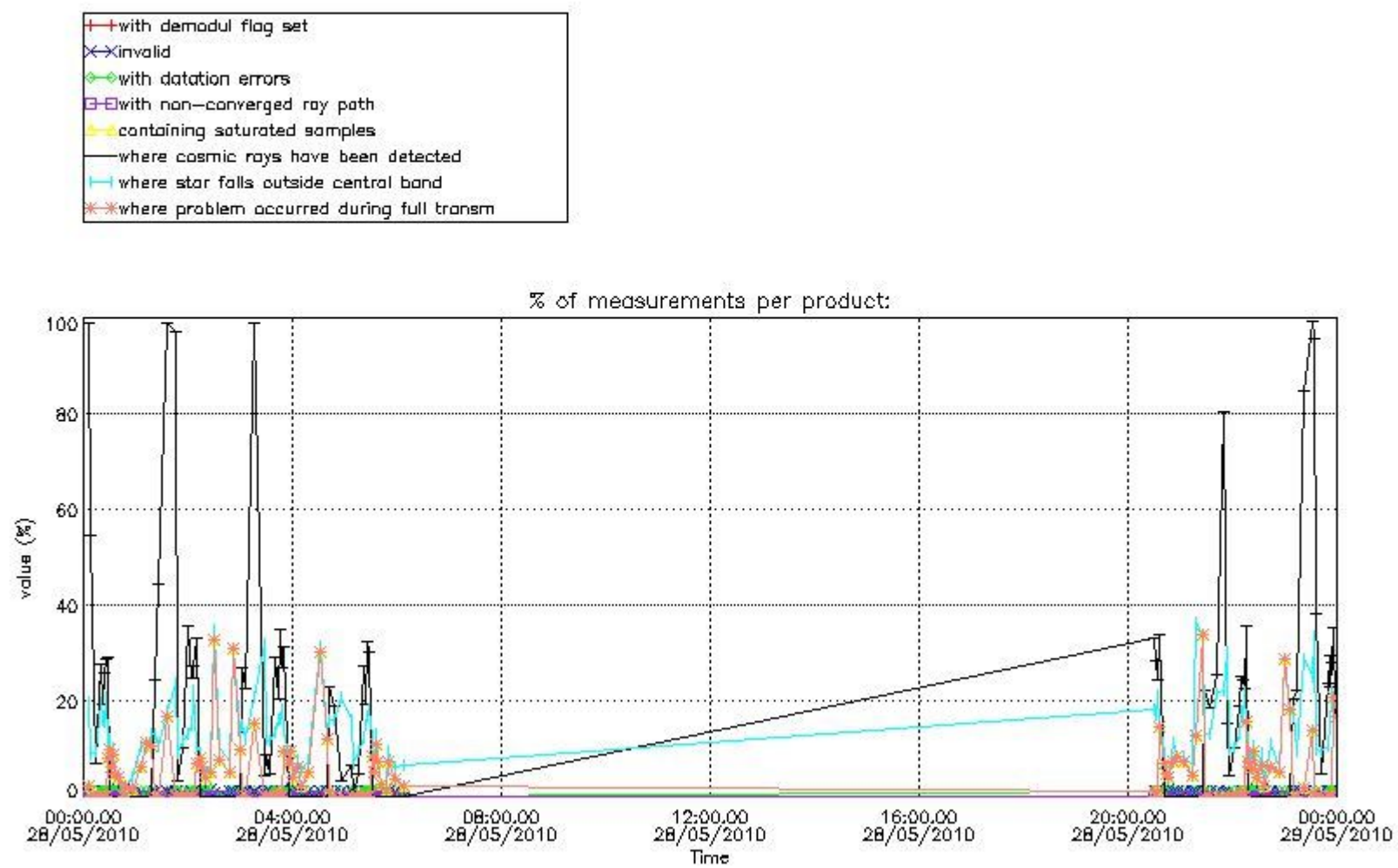
## 5. Demodulation flag and quality information monitoring

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.

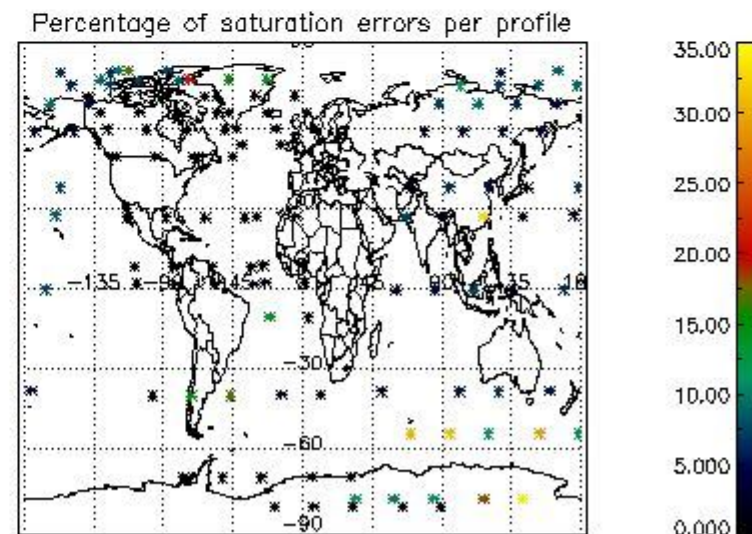
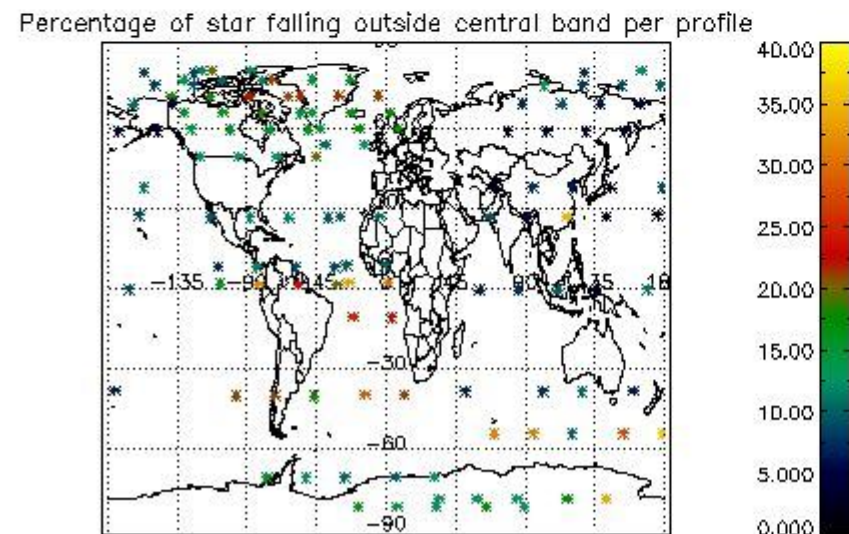
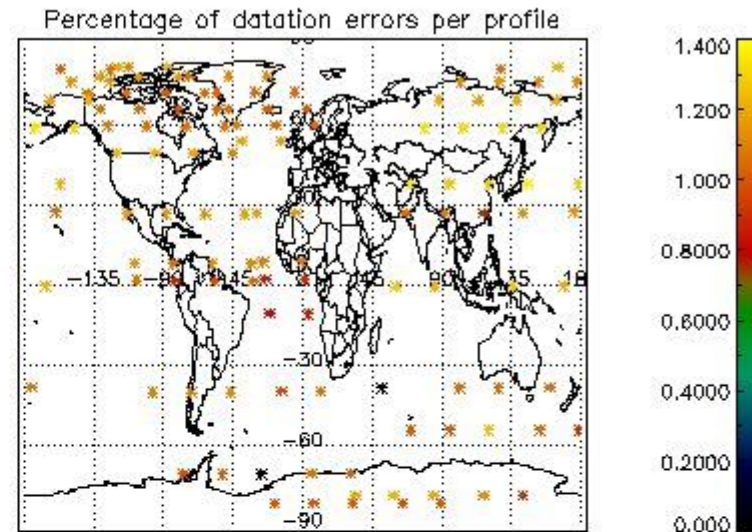
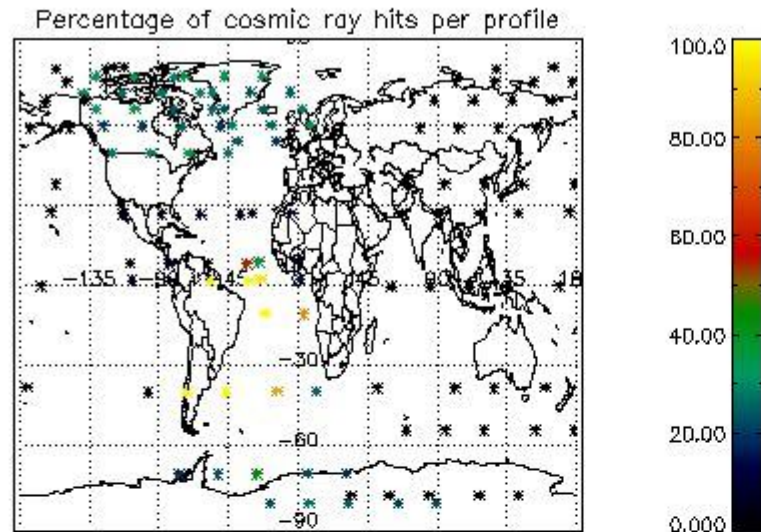
### 5.1 Percentage of products during reporting period with:

At least one measurement with demodulation flag set:	47.6190 %
Reference spectrum computed from DB:	0.00000 %
Reference spectrum with small number of measurements:	0.00000 %
SATU data not used:	0.00000 %

### 5.2 Plot quality information per product (time dependant)



### 5.3 Plot quality information per product (world map)



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

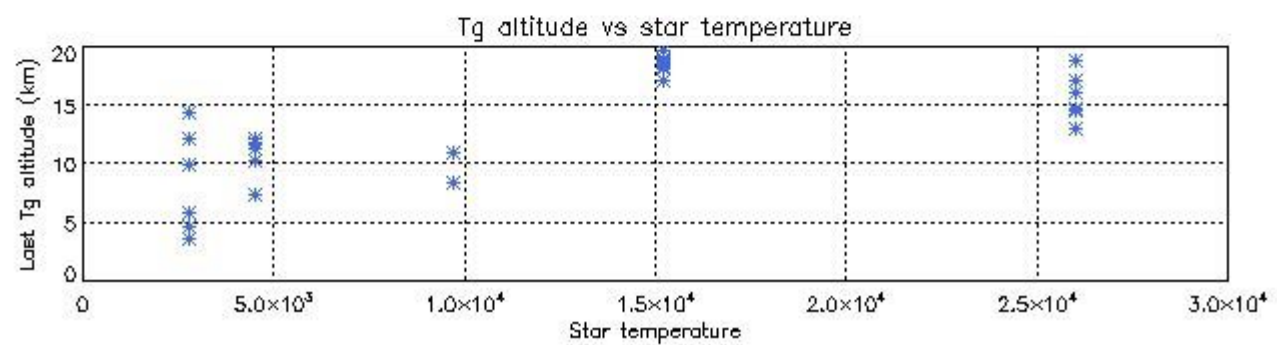
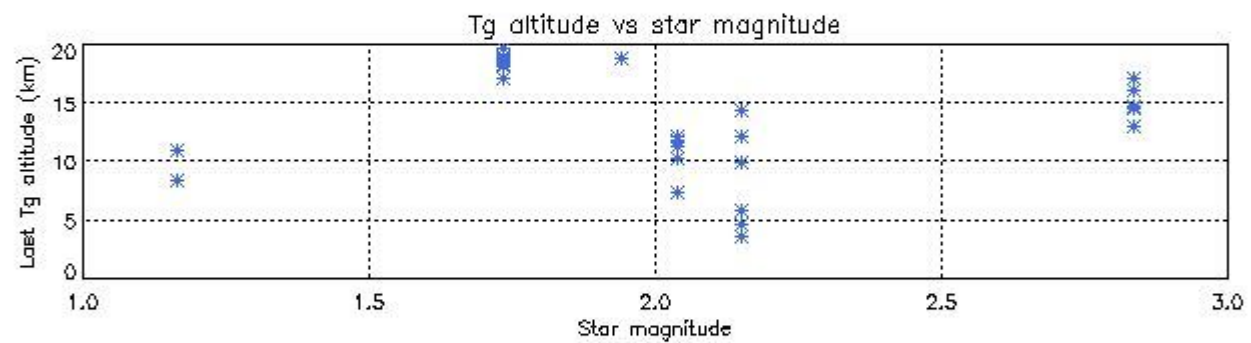
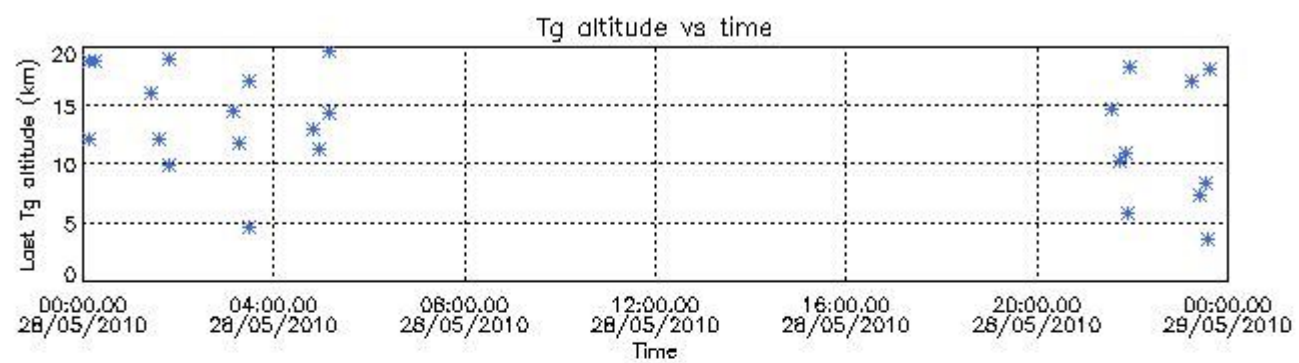
### 6.1 Statistics on tangent altitude lost:

Statistics	DARK	BRIGHT	TWILIGHT
Mean:	13.117	18.121	NaN
St. deviation:	4.7690	4.9651	NaN
Maximum:	19.700	25.230	NaN
Minimum:	3.5497	3.6561	NaN
Number of data:	25.000	58.000	NaN

### 6.2 Plot for DARK limb products

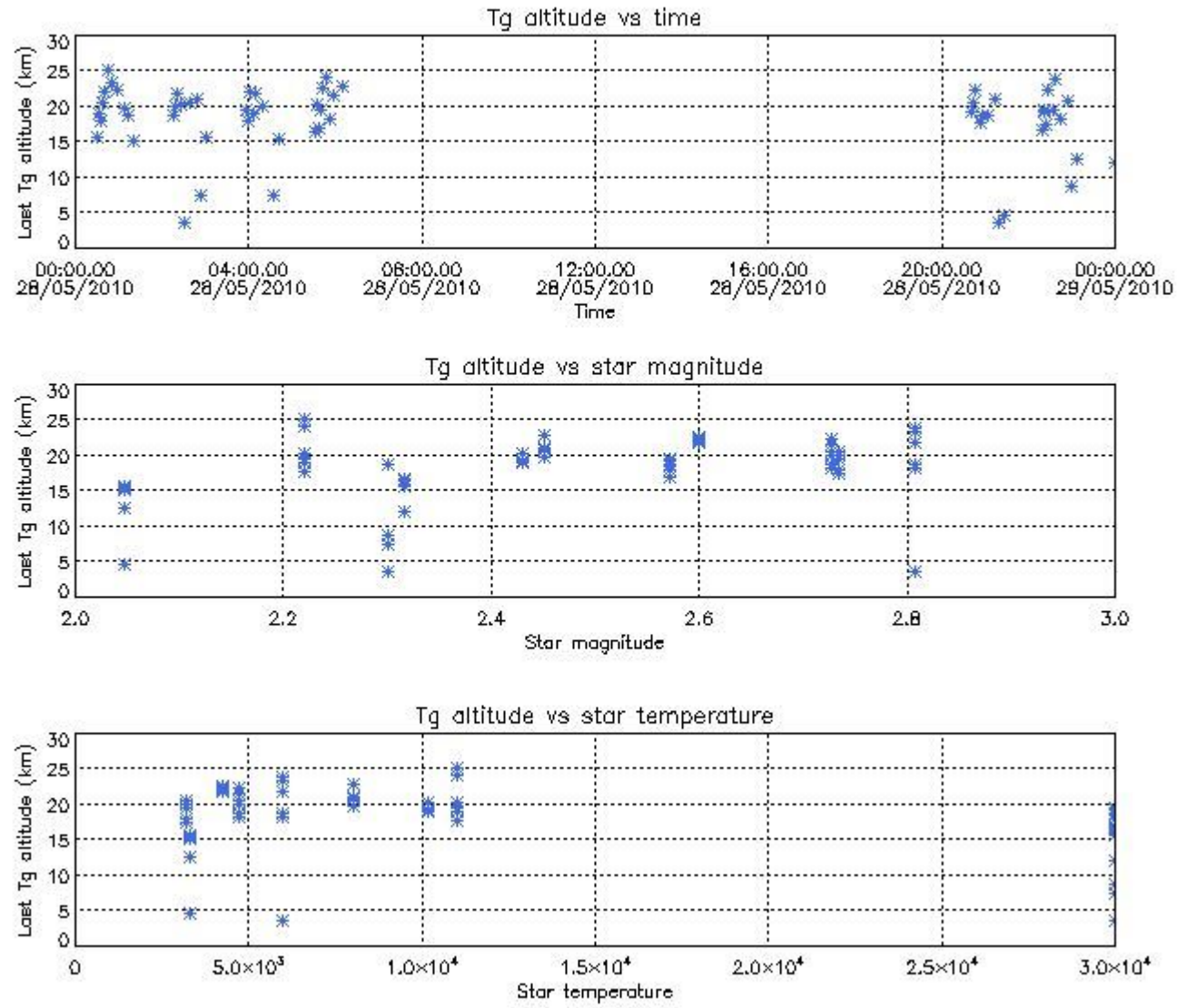


Tangent altitude at which the star is lost



6.3 Plot for BRIGHT limb products

## Tangent altitude at which the star is lost

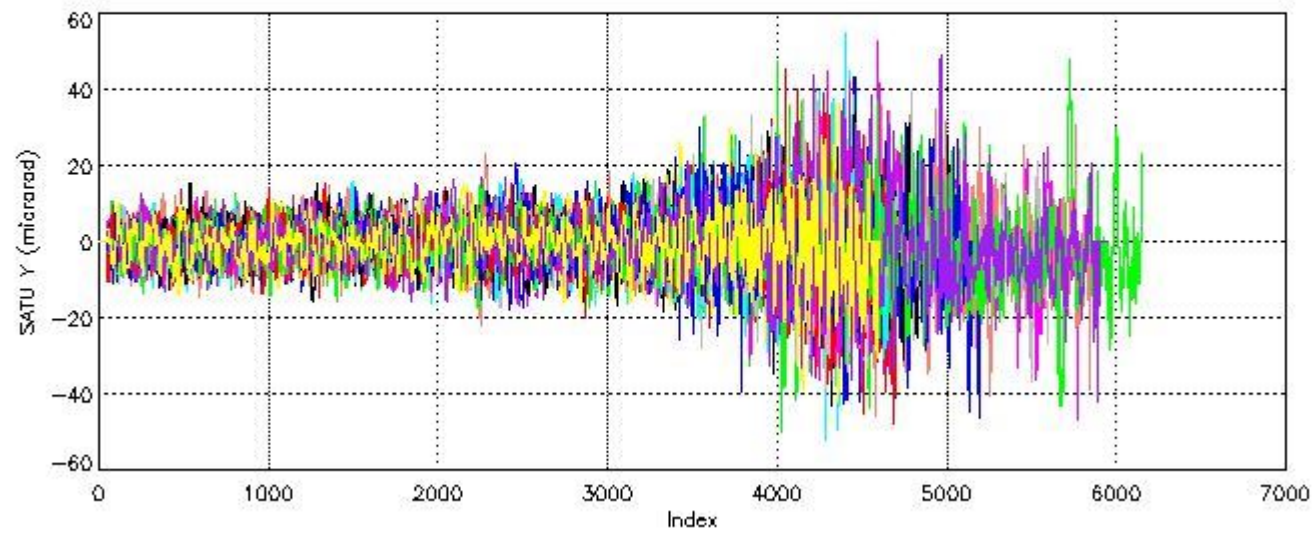
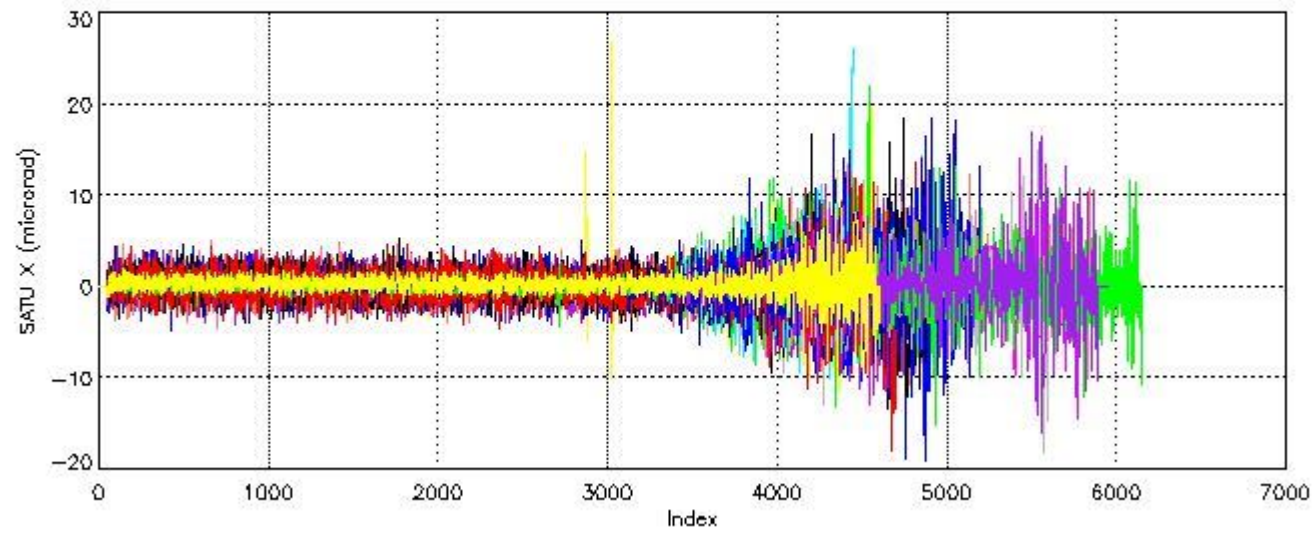


## 7. Star Acquisition and Tracking Unit (SATU)

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:	0.18529	-0.69085	0.22487	-0.73994
St. deviation:	0.55202	3.9821	0.76193	3.9855
Maximum:	5.1000	15.500	4.7000	15.400
Minimum:	-4.8000	-14.900	-3.8000	-17.900

Number of data:	25450.	25450.	56950.	56950.
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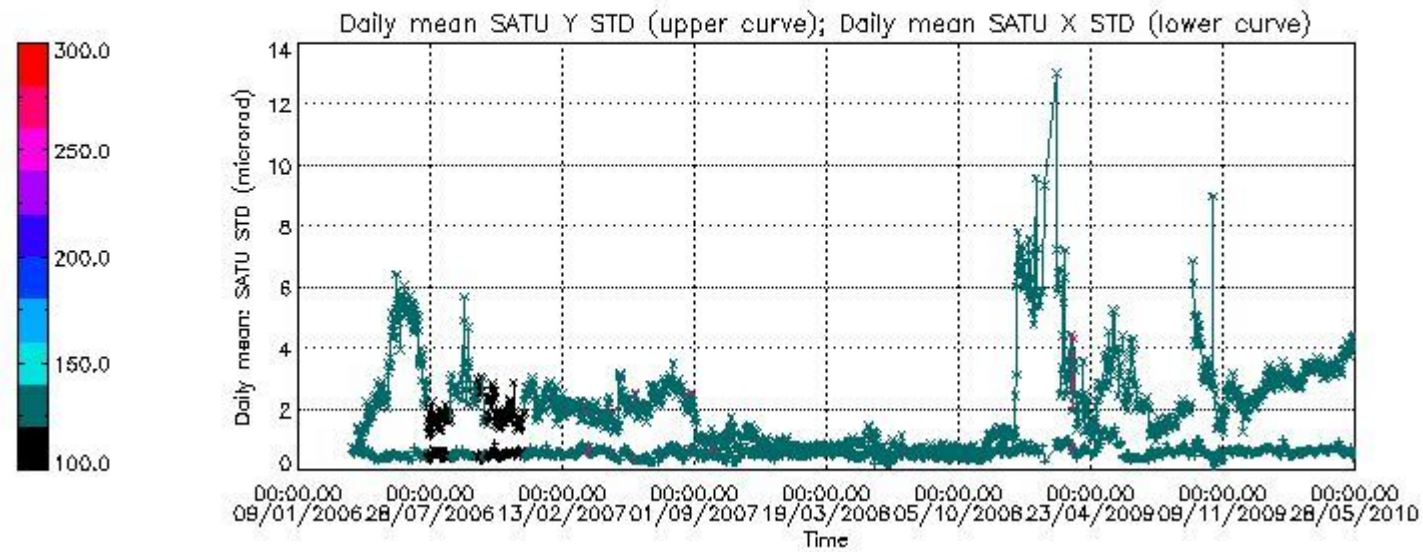
### 7.2.2 Trend of daily SATU NEA St. deviation since 1st April 2006 (dark limb)

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

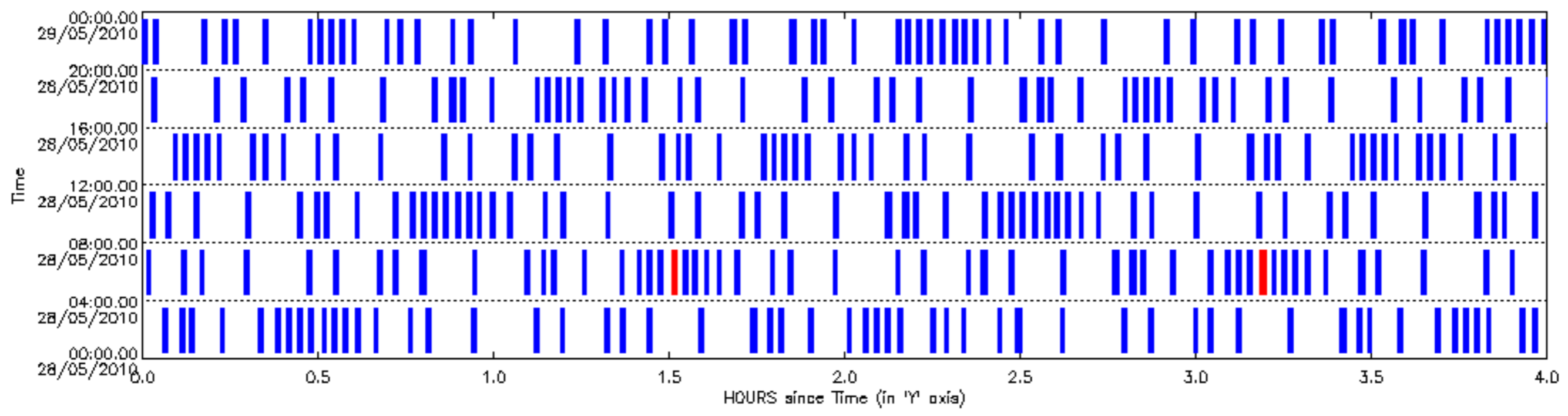
Lower curve: STD of SATU X axis

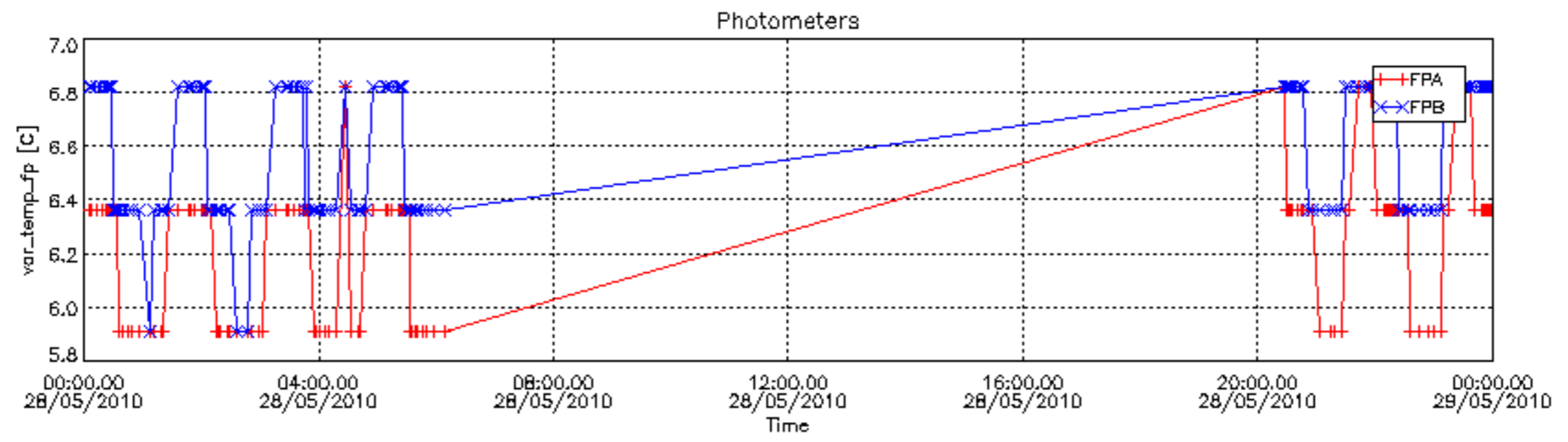
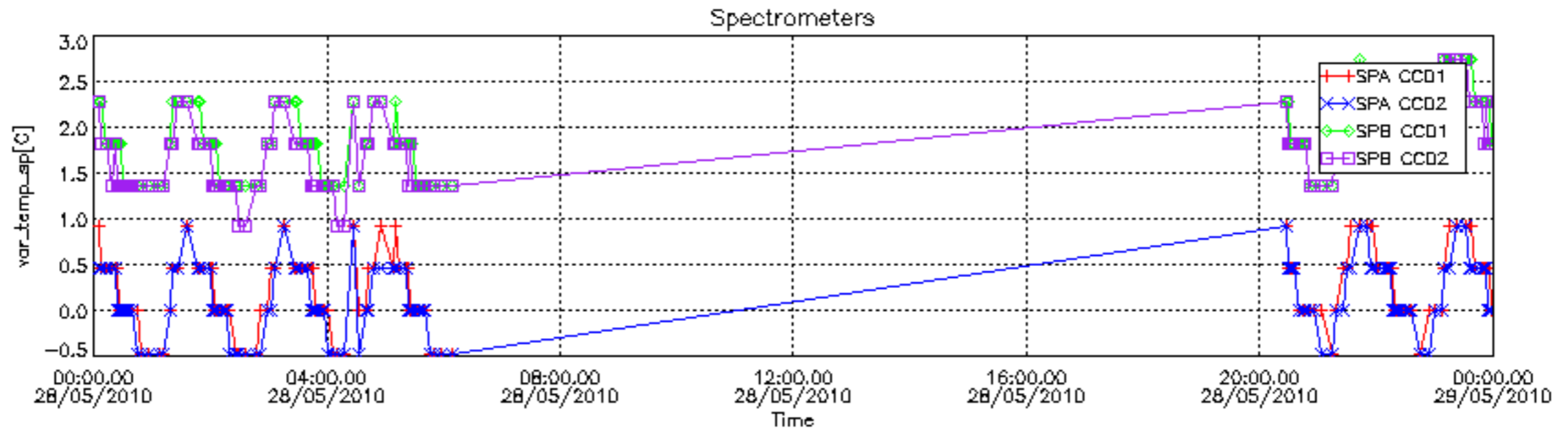


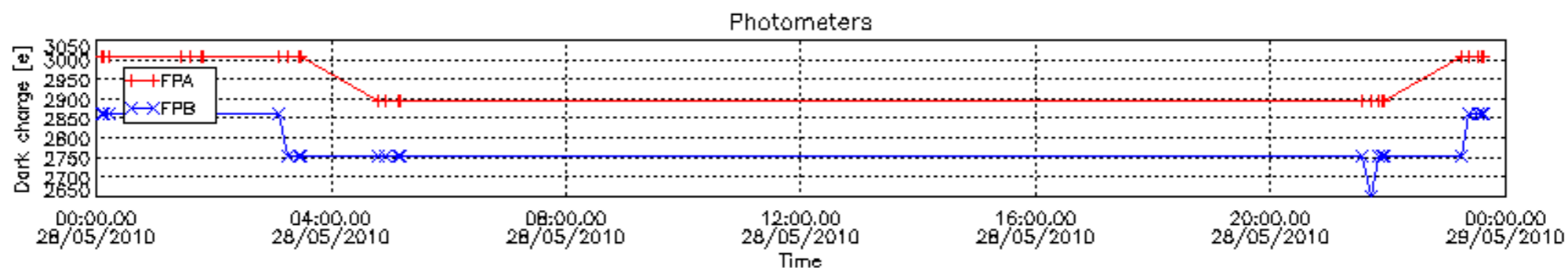
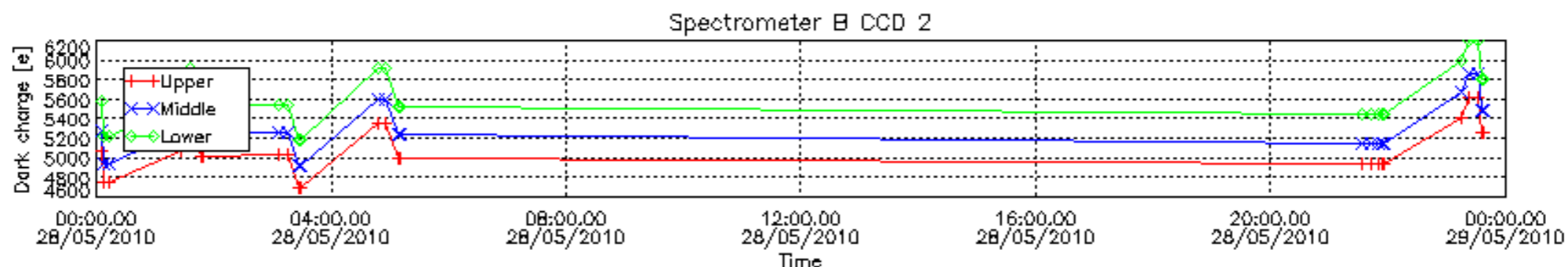
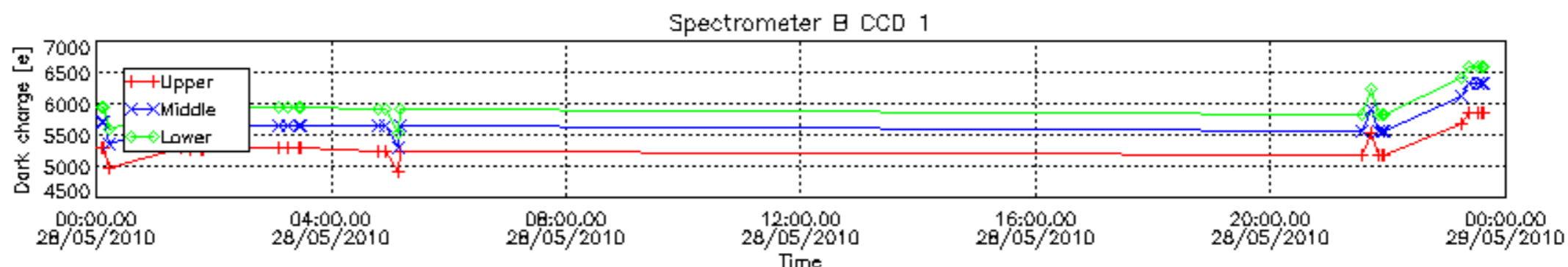
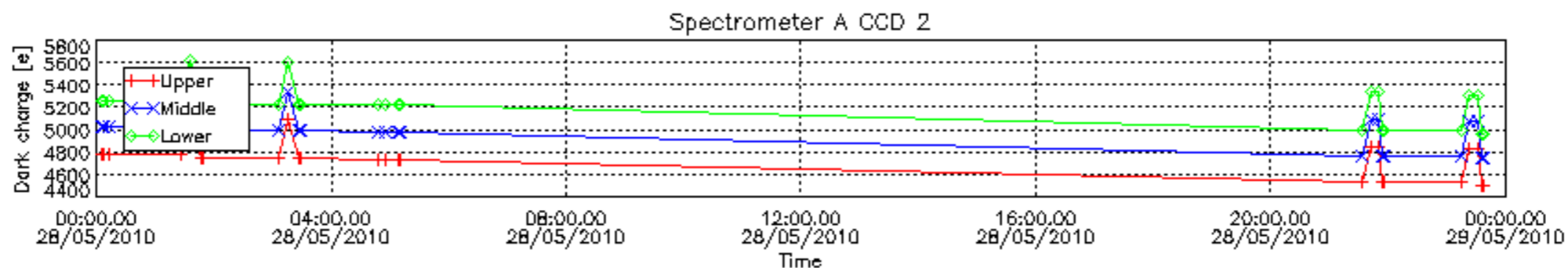
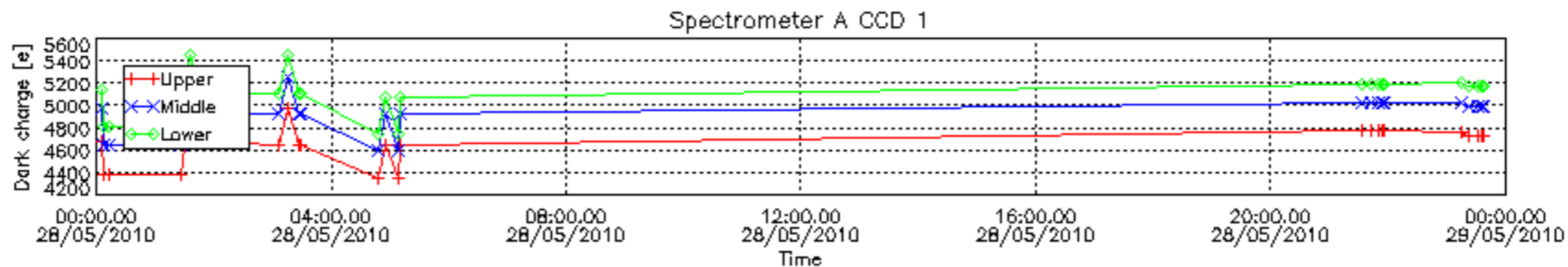
### 8. Auxiliary Data Files used for the production reported in section 2.4

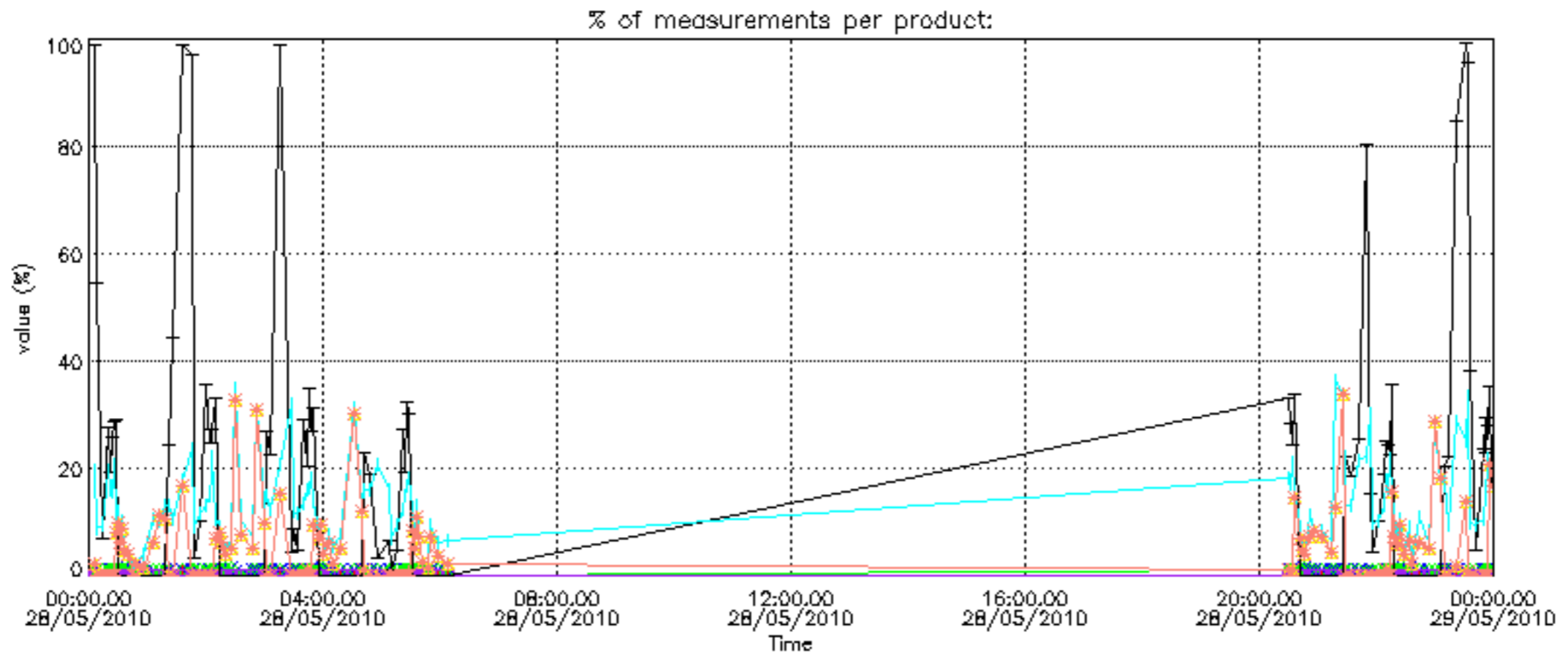
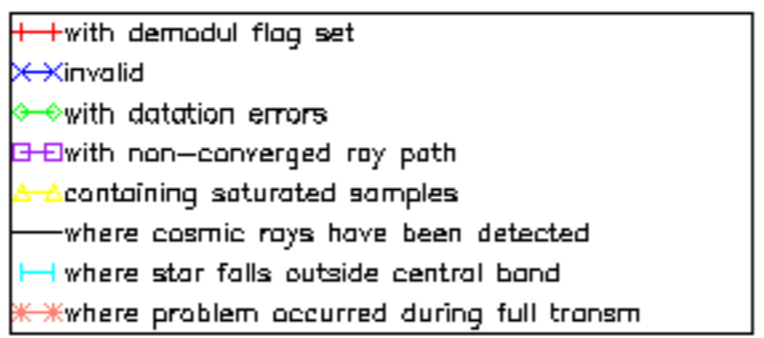
The number reported in the third column indicates since which file (see list in section 2.4) the corresponding auxiliary file has been used. The fourth column is the date of those product files.

Type	Auxiliary Filename	Used since product	Used since product date
INST_PHYS_CHARACTERISTICS	GOM_INS_AXVIEC20091111_143220_20030716_120000_20500101_000000	1	28-MAY-2010 00:06:14
CALIBRATION_DATABASE	GOM_CAL_AXVIEC20100526_084407_20100525_000000_20500101_000000	1	28-MAY-2010 00:06:14
LEVEL-1B_PROC_CONFIG	GOM_PR1_AXVIEC20091111_145255_20020301_000000_20500101_000000	1	28-MAY-2010 00:06:14
STAR_CATALOGUE	GOM_CAT_AXVIEC20020121_161009_20020101_000000_20200101_000000	1	28-MAY-2010 00:06:14
STELLAR_SPECTRA_DATABANK	GOM_STS_AXVIEC20091111_151504_20020101_160000_20500101_000000	1	28-MAY-2010 00:06:14
ECMWF_FILE	AUX_ECF_AXNECM20100527_054114_20100527_210000_20100528_090000	1	28-MAY-2010 00:06:14
ECMWF_FILE	AUX_ECF_AXNECM20100527_172113_20100528_030000_20100528_150000	57	28-MAY-2010 04:28:02
ECMWF_FILE	AUX_ECF_AXNECM20100528_054114_20100528_150000_20100529_030000	79	28-MAY-2010 20:28:12
ECMWF_FILE	AUX_ECF_AXNECM20100528_054114_20100528_210000_20100529_090000	95	28-MAY-2010 21:42:23
OPTIONAL_ECMWF_FILE	MISSING	1	28-MAY-2010 00:06:14
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20100527_235236_000054192089_00445_43084_0437.N1	1	28-MAY-2010 00:06:14
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20100528_012815_000041442089_00446_43085_0438.N1	22	28-MAY-2010 01:35:05
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20100528_024238_000057382089_00447_43086_0439.N1	37	28-MAY-2010 02:47:26
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20100528_042335_000057382089_00448_43087_0440.N1	57	28-MAY-2010 04:28:02
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20100528_202516_000041442089_00458_43097_0441.N1	79	28-MAY-2010 20:28:12
ORBIT_DATA_FILE	AUX_FPO_AXVPDS20100528_092112_20100527_190400_20100606_203014	95	28-MAY-2010 21:42:23
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20100528_232036_000057382089_00459_43098_0443.N1	118	28-MAY-2010 23:22:59



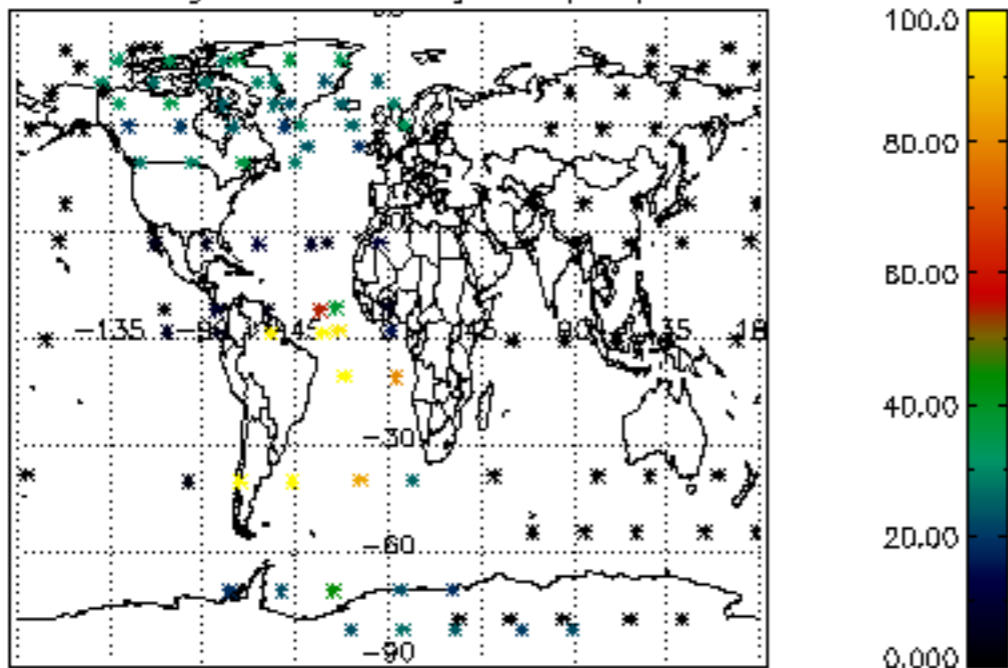




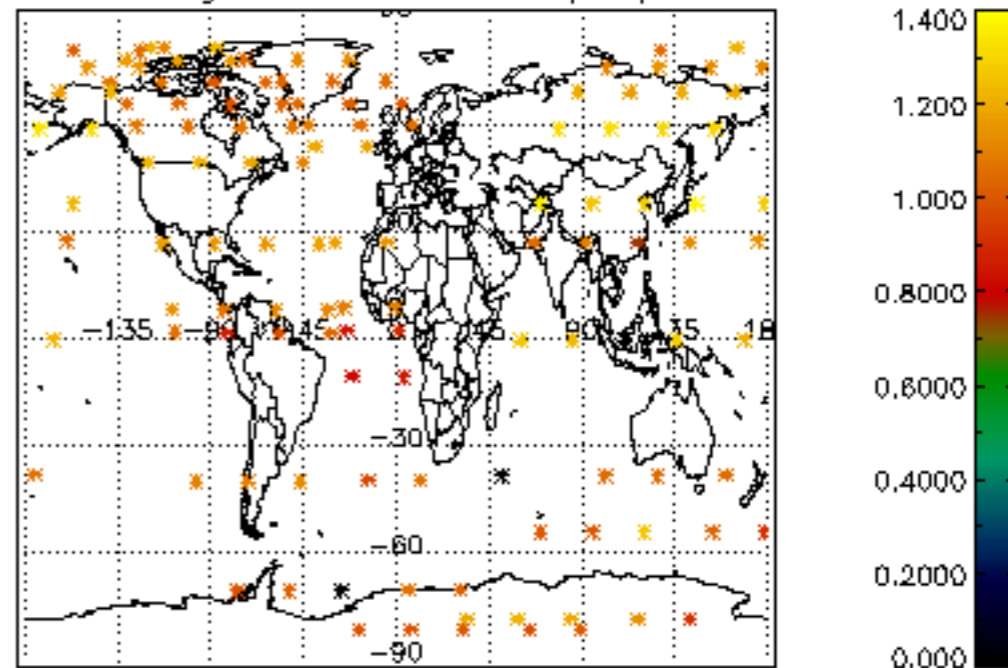




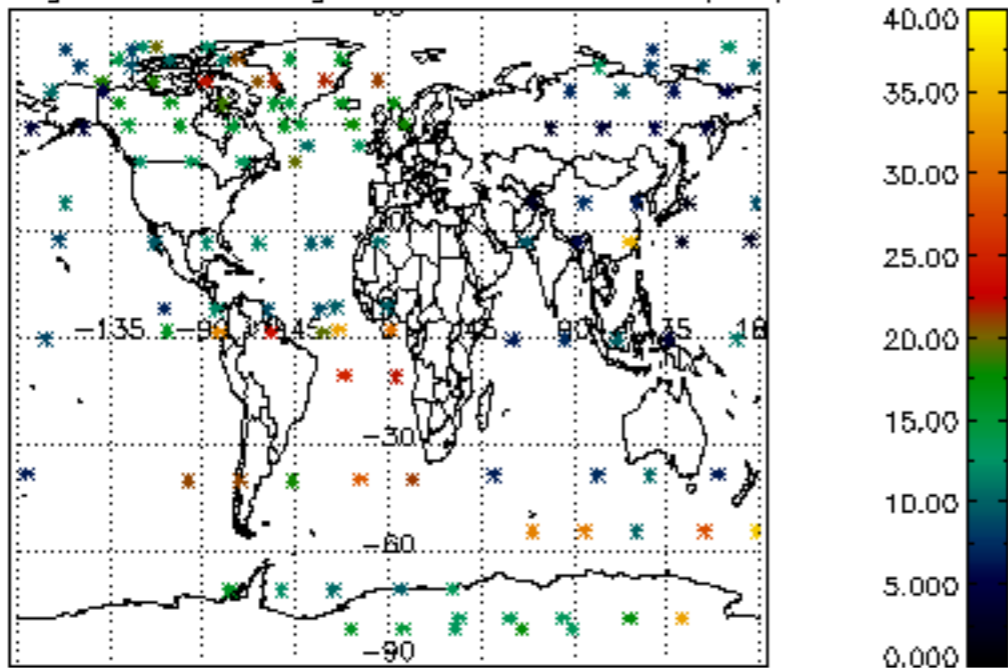
Percentage of cosmic ray hits per profile



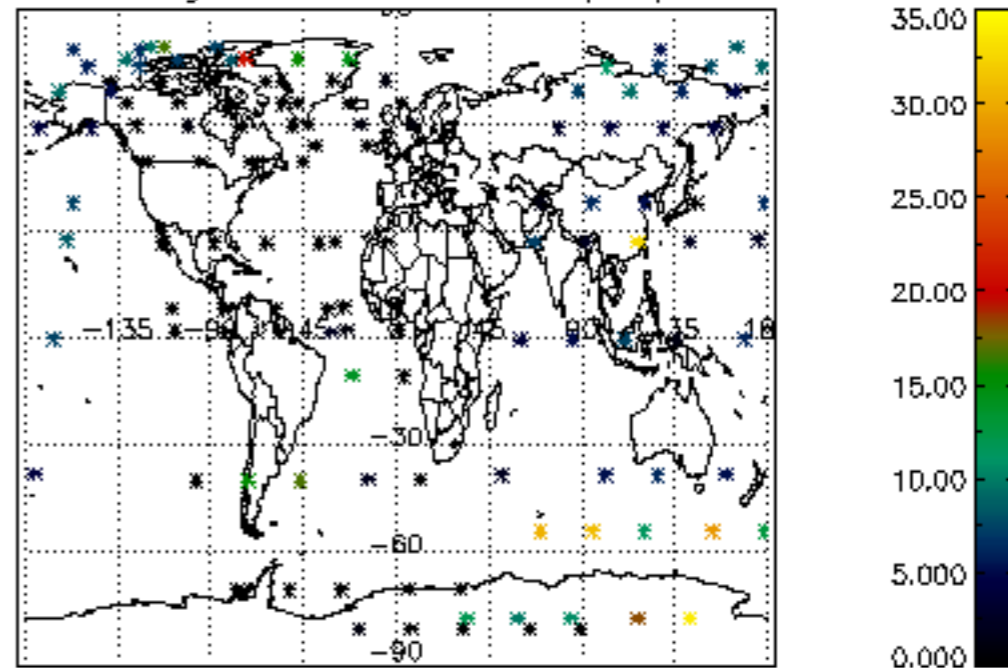
Percentage of datation errors per profile



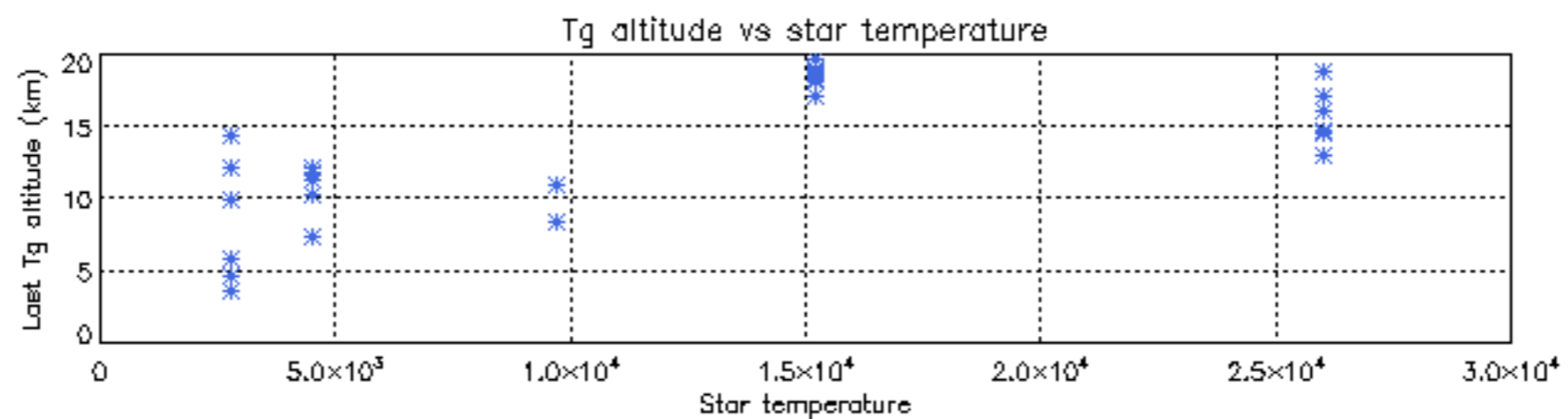
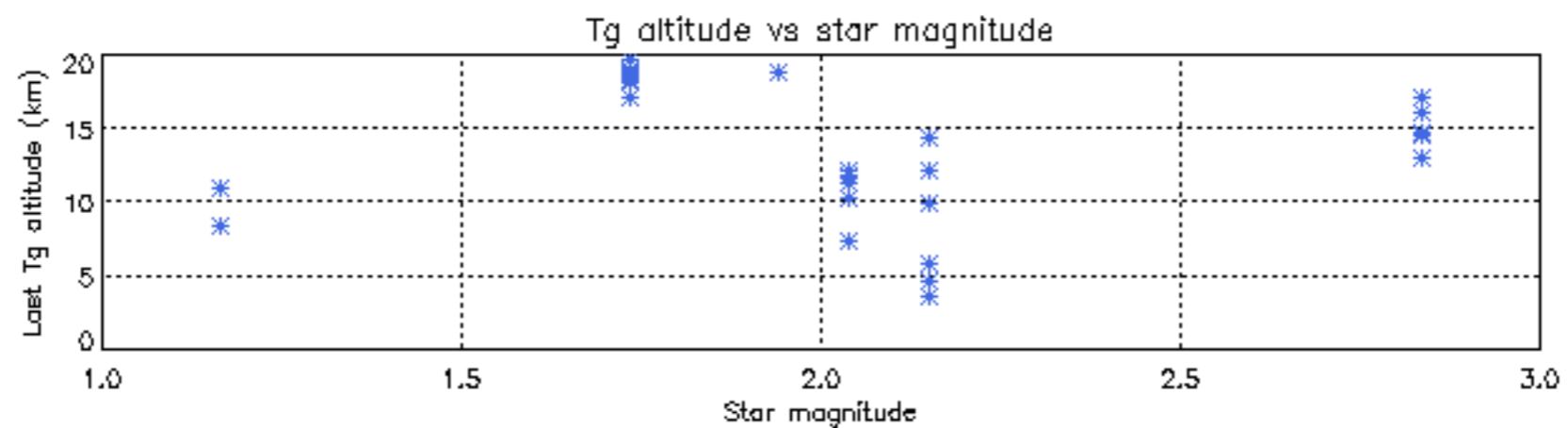
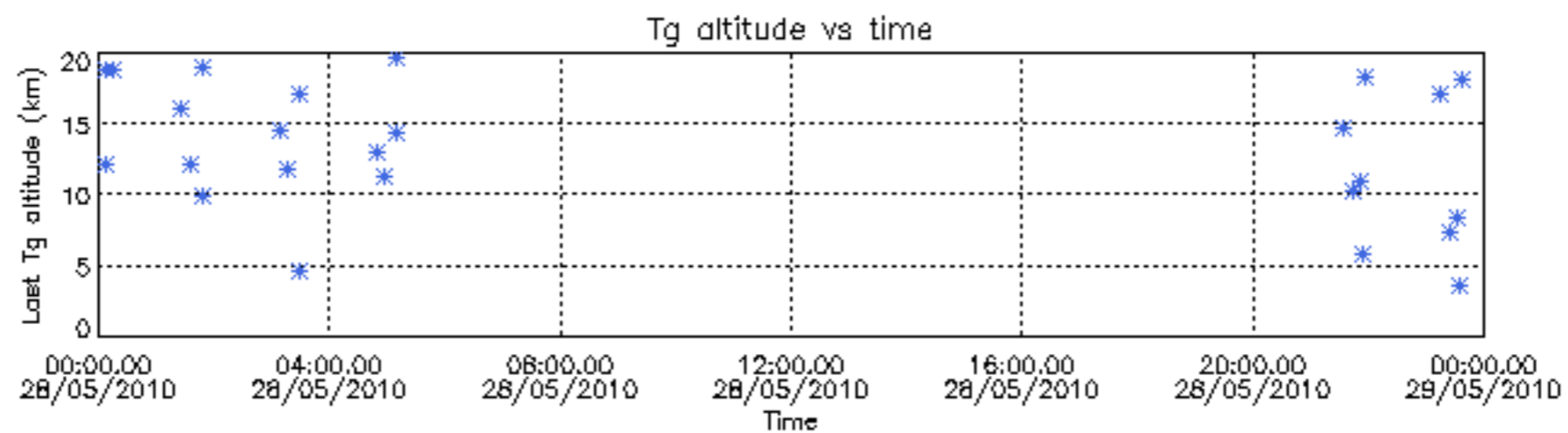
Percentage of star falling outside central band per profile



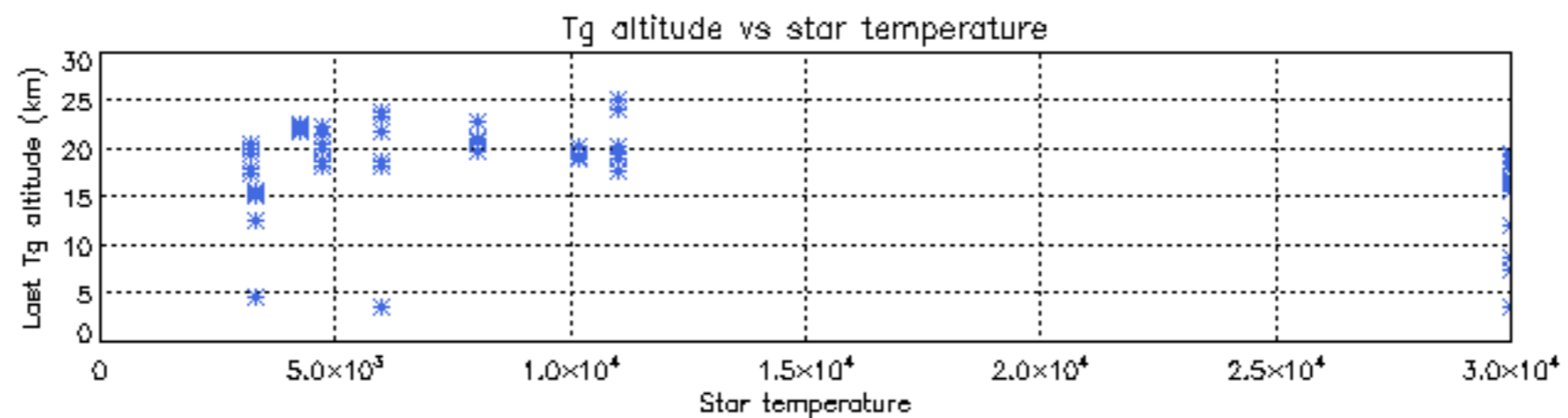
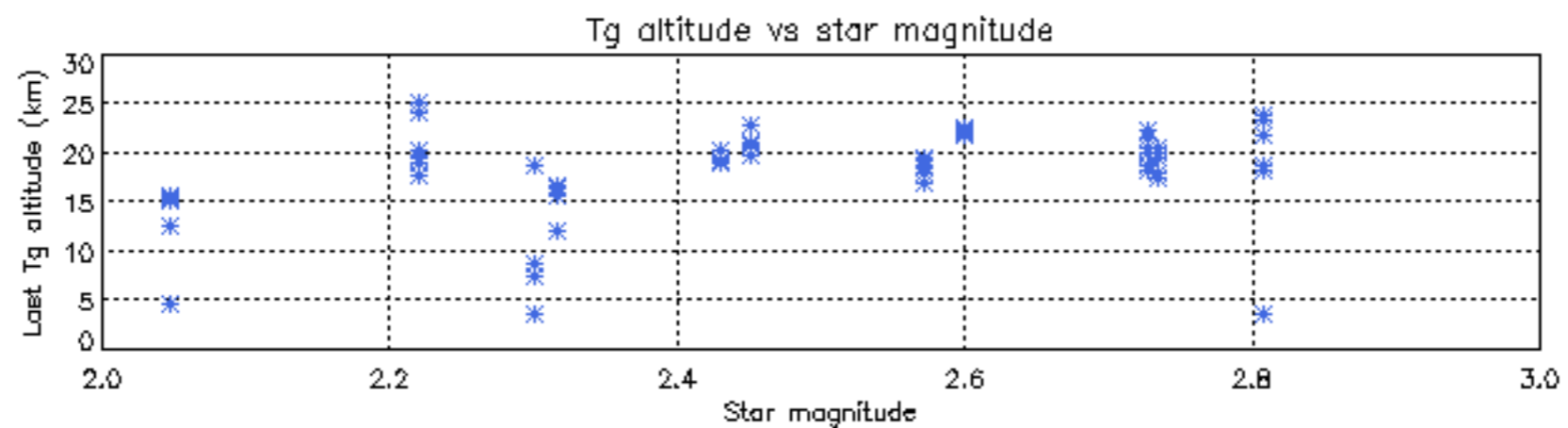
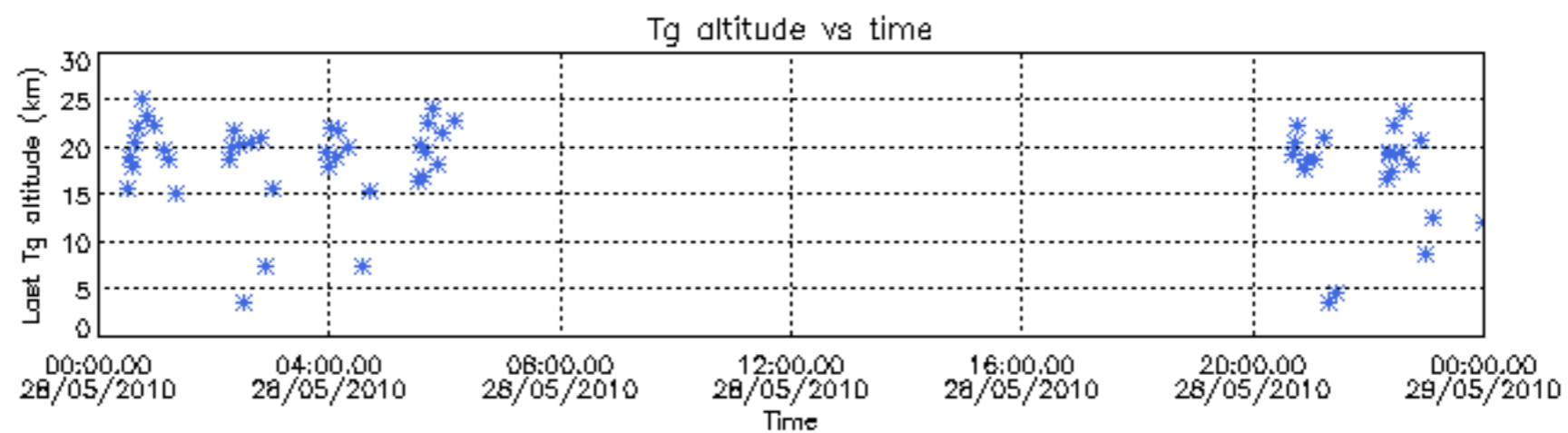
Percentage of saturation errors per profile

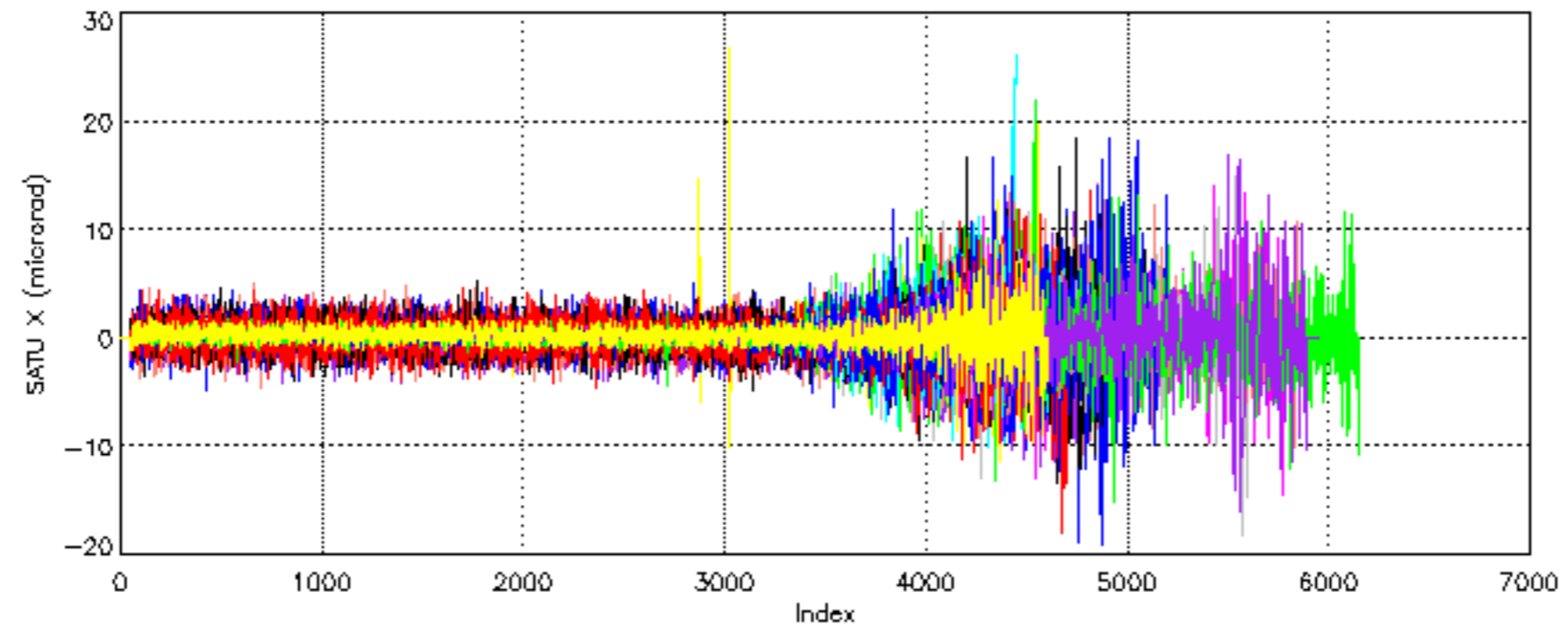


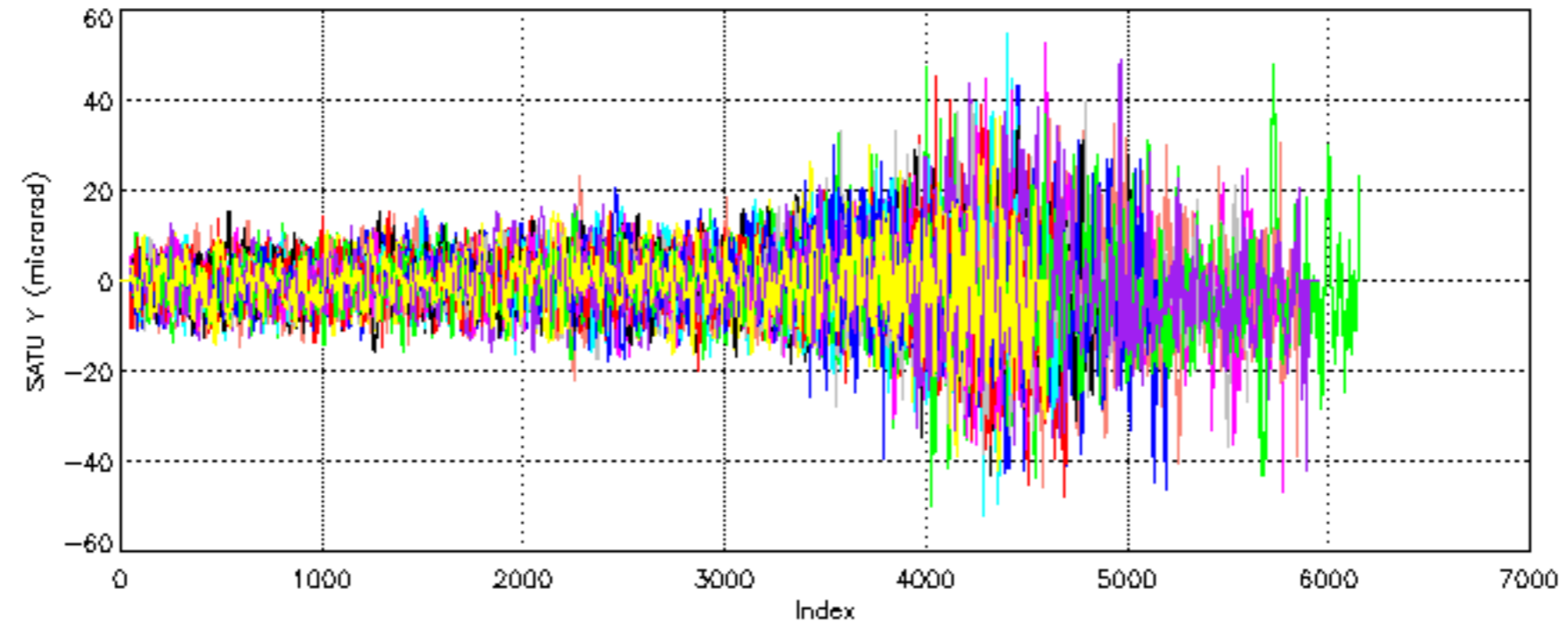
Tangent altitude at which the star is lost

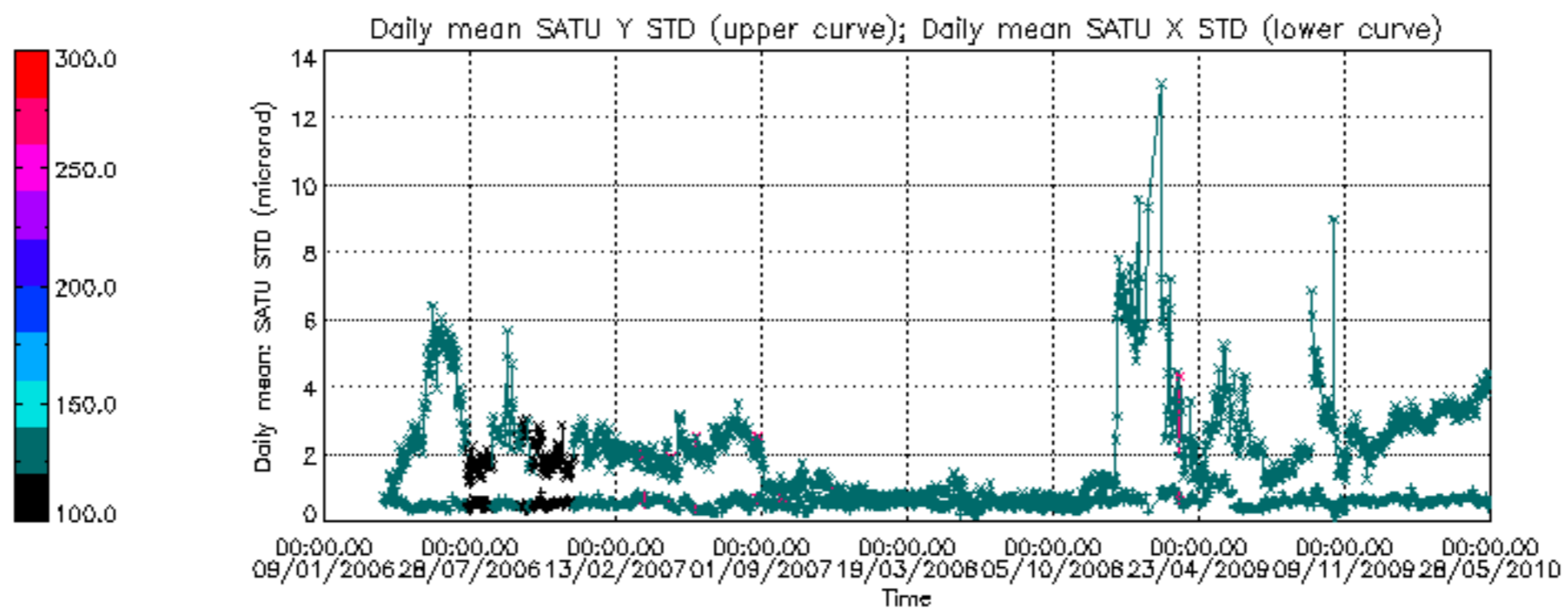


Tangent altitude at which the star is lost









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3; -1248.2; 04-MAY-2010 04:00:48; Dark ; 46.0; 90; 54Alp Peg ; 2.49; 11000;occ; 92; 0;42743
4; -966.0; 04-MAY-2010 04:05:30; Dark ; 74.5; 61; 8Eps Peg ; 2.10; 3900;occ; 149; 0;42743
5; -821.8; 04-MAY-2010 04:07:54; Dark ; 57.0; 162; 34Alp Aqr ; 2.94; 5350;occ; 114; 0;42743
6; -579.2; 04-MAY-2010 04:11:57; Dark ; 65.5; 154; 22Bet Aqr ; 2.90; 5700;occ; 131; 0;42743
7; -426.4; 04-MAY-2010 04:14:29; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;42743
8; 744.6; 04-MAY-2010 04:34:00; Dark ; 63.0; 38; 20Eps Sgr ; 1.84; 11000;occ; 126; 0;42744
9; 892.1; 04-MAY-2010 04:36:28; Dark ; 56.0; 25; 35Lam Sco ; 1.62; 28000;occ; 112; 0;42744
10; 1069.7; 04-MAY-2010 04:39:26; Dark ; 59.0; 75; 26Eps Sco ; 2.29; 4250;occ; 118; 0;42744
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13; 1595.0; 04-MAY-2010 04:48:11; Bright; 46.0; 122; 9Alp2Lib ; 2.75; 9700;occ; 92; 0;42744
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15; 2253.8; 04-MAY-2010 04:59:10; Bright; 39.5; 3; 16Alp Boo ; -0.05; 4250;occ; 79; 0;42744
16; 2435.1; 04-MAY-2010 05:02:11; Bright; 46.0; 83; ; 2.38; 11000;occ; 92; 0;42744
17; 2617.7; 04-MAY-2010 05:05:14; Bright; 41.5; 180; 27Gam Boo ; 3.04; 8000;occ; 83; 0;42744
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3; -1248.1; 04-MAY-2010 05:41:24; Dark ; 48.5; 90; 54Alp Peg ; 2.49; 11000;occ; 97; 0;42744
4; -964.9; 04-MAY-2010 05:46:07; Dark ; 72.0; 61; 8Eps Peg ; 2.10; 3900;occ; 144; 0;42744
5; -821.0; 04-MAY-2010 05:48:31; Dark ; 58.0; 162; 34Alp Aqr ; 2.94; 5350;occ; 116; 0;42744
6; -577.6; 04-MAY-2010 05:52:34; Dark ; 66.0; 154; 22Bet Aqr ; 2.90; 5700;occ; 132; 0;42744
7; -425.1; 04-MAY-2010 05:55:07; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;42744
8; -205.6; 04-MAY-2010 05:58:46; Dark ; 42.0; 172; Gam Gru ; 3.00; 13100;occ; 84; 0;42744
9; 745.9; 04-MAY-2010 06:14:38; Dark ; 63.5; 38; 20Eps Sgr ; 1.84; 11000;occ; 127; 0;42745
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11; 1070.1; 04-MAY-2010 06:20:02; Dark ; 58.5; 75; 26Eps Sco ; 2.29; 4250;occ; 117; 0;42745
12; 1286.6; 04-MAY-2010 06:23:38; Dark ; 64.0; 16; 21Alp Sco ; 1.02; 3000;occ; 128; 0;42745
13; 1413.0; 04-MAY-2010 06:25:45; Dark ; 57.0; 80; 7Del Sco ; 2.32; 30000;occ; 114; 0;42745
14; 1594.7; 04-MAY-2010 06:28:47; Bright; 44.0; 122; 9Alp2Lib ; 2.75; 9700;occ; 88; 0;42745
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16; 2253.6; 04-MAY-2010 06:39:45; Bright; 41.5; 3; 16Alp Boo ; -0.05; 4250;occ; 83; 0;42745
17; 2434.3; 04-MAY-2010 06:42:46; Bright; 42.5; 83; ; 2.38; 11000;occ; 85; 0;42745
18; 2617.2; 04-MAY-2010 06:45:49; Bright; 41.0; 180; 27Gam Boo ; 3.04; 8000;occ; 82; 0;42745
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 9; 747.0; 04-MAY-2010 07:55:15; Dark ; 70.0; 38; 20Eps Sgr ; 1.84; 11000;occ; 140; 0;42746  
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 12; 1286.7; 04-MAY-2010 08:04:15; Dark ; 69.5; 16; 21Alp Sco ; 1.02; 3000;occ; 139; 0;42746  
 13; 1413.2; 04-MAY-2010 08:06:21; Dark ; 56.5; 80; 7Del Sco ; 2.32; 30000;occ; 113; 0;42746  
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 3; 2434.2; 04-MAY-2010 08:23:22; Bright; 45.0; 83; ; 2.38; 11000;occ; 90; 0;42746  
 4; 2617.0; 04-MAY-2010 08:26:25; Bright; 38.5; 180; 27Gam Boo ; 3.04; 8000;occ; 77; 0;42746  
 5; 3182.7; 04-MAY-2010 08:35:51; Bright; 45.5; 119; 14Eta Dra ; 2.73; 4700;occ; 91; 0;42746  
 6; 3814.0; 04-MAY-2010 08:46:22; Bright; 43.5; 89; 5Alp Cep ; 2.45; 8000;occ; 87; 0;42746  
 7; 4544.7; 04-MAY-2010 08:58:33; Dark ; 49.5; 93; 53Bet Peg ; 2.52; 3100;occ; 99; 0;42746  
 8; 4788.9; 04-MAY-2010 09:02:37; Dark ; 47.5; 90; 54Alp Peg ; 2.49; 11000;occ; 95; 0;42746  
 9; 5073.2; 04-MAY-2010 09:07:21; Dark ; 66.0; 61; 8Eps Peg ; 2.10; 3900;occ; 132; 0;42746  
 10; 5216.7; 04-MAY-2010 09:09:45; Dark ; 58.5; 162; 34Alp Aqr ; 2.94; 5350;occ; 117; 0;42746  
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 12; 5613.4; 04-MAY-2010 09:16:21; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;42746  
 13; 5832.1; 04-MAY-2010 09:20:00; Dark ; 42.0; 172; Gam Gru ; 3.00; 13100;occ; 84; 0;42746  
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 15; 6930.8; 04-MAY-2010 09:38:19; Dark ; 56.0; 25; 35Lam Sco ; 1.62; 28000;occ; 112; 0;42747  
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 17; 7323.4; 04-MAY-2010 09:44:51; Dark ; 77.0; 16; 21Alp Sco ; 1.02; 3000;occ; 154; 0;42747  
 18; 7449.7; 04-MAY-2010 09:46:57; Dark ; 60.0; 80; 7Del Sco ; 2.32; 30000;occ; 120; 0;42747  
 19; 7631.2; 04-MAY-2010 09:49:59; Bright; 41.5; 122; 9Alp2Lib ; 2.75; 9700;occ; 83; 0;42747  
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 5; 3182.2; 04-MAY-2010 10:16:26; Bright; 46.0; 119; 14Eta Dra ; 2.73; 4700;occ; 92; 0;42747  
 6; 3813.7; 04-MAY-2010 10:26:57; Bright; 62.0; 89; 5Alp Cep ; 2.45; 8000;occ; 124; 0;42747  
 7; 4544.9; 04-MAY-2010 10:39:09; Dark ; 56.0; 93; 53Bet Peg ; 2.52; 3100;occ; 112; 0;42747  
 8; 4789.3; 04-MAY-2010 10:43:13; Dark ; 45.0; 90; 54Alp Peg ; 2.49; 11000;occ; 90; 0;42747  
 9; 5074.1; 04-MAY-2010 10:47:58; Dark ; 66.0; 61; 8Eps Peg ; 2.10; 3900;occ; 132; 0;42747  
 10; 5217.5; 04-MAY-2010 10:50:21; Dark ; 56.5; 162; 34Alp Aqr ; 2.94; 5350;occ; 113; 0;42747  
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 12; 5614.6; 04-MAY-2010 10:56:58; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;42747  
 13; 5832.8; 04-MAY-2010 11:00:37; Dark ; 42.0; 172; Gam Gru ; 3.00; 13100;occ; 84; 0;42747  
 14; 6785.4; 04-MAY-2010 11:16:29; Dark ; 69.5; 38; 20Eps Sgr ; 1.84; 11000;occ; 139; 0;42748  
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 16; 7108.0; 04-MAY-2010 11:21:52; Dark ; 62.0; 75; 26Eps Sco ; 2.29; 4250;occ; 124; 0;42748  
 17; 7323.6; 04-MAY-2010 11:25:27; Dark ; 67.5; 16; 21Alp Sco ; 1.02; 3000;occ; 135; 0;42748  
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 3; 2252.7; 04-MAY-2010 11:41:32; Bright; 40.0; 3; 16Alp Boo ; -0.05; 4250;occ; 80; 0;42748  
 4; 2433.0; 04-MAY-2010 11:44:33; Bright; 41.5; 83; ; 2.38; 11000;occ; 83; 0;42748  
 5; 2616.0; 04-MAY-2010 11:47:36; Bright; 40.5; 180; 27Gam Boo ; 3.04; 8000;occ; 81; 0;42748  
 6; 3181.6; 04-MAY-2010 11:57:01; Bright; 43.0; 119; 14Eta Dra ; 2.73; 4700;occ; 86; 0;42748  
 7; 3813.5; 04-MAY-2010 12:07:33; Bright; 40.0; 89; 5Alp Cep ; 2.45; 8000;occ; 80; 0;42748  
 8; 4545.0; 04-MAY-2010 12:19:45; Dark ; 51.0; 93; 53Bet Peg ; 2.52; 3100;occ; 102; 0;42748  
 9; 4789.5; 04-MAY-2010 12:23:49; Dark ; 47.5; 90; 54Alp Peg ; 2.49; 11000;occ; 95; 0;42748  
 10; 5075.0; 04-MAY-2010 12:28:35; Dark ; 58.0; 61; 8Eps Peg ; 2.10; 3900;occ; 116; 0;42748  
 11; 5218.5; 04-MAY-2010 12:30:58; Dark ; 58.0; 162; 34Alp Aqr ; 2.94; 5350;occ; 116; 0;42748

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13; 5615.9; 04-MAY-2010 12:37:35; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;42748
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16; 6932.6; 04-MAY-2010 12:59:32; Dark ; 57.0; 25; 35Lam Sco ; 1.62; 28000;occ; 114; 0;42749
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4; 2428.0; 05-MAY-2010 07:51:39; Bright; 43.0; 83; ; 2.38; 11000;occ; 86; 0;42760
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 5; -386.7; 06-MAY-2010 06:33:07; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;42773  
 6; -181.7; 06-MAY-2010 06:36:32; Dark ; 43.5; 172; Gam Gru ; 3.00; 13100;occ; 87; 0;42773  
 7; 781.8; 06-MAY-2010 06:52:36; Dark ; 71.0; 38; 20Eps Sgr ; 1.84; 11000;occ; 142; 0;42774  
 8; 918.4; 06-MAY-2010 06:54:52; Dark ; 56.5; 25; 35Lam Sco ; 1.62; 28000;occ; 113; 0;42774  
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 12; 1598.4; 06-MAY-2010 07:06:12; Bright; 41.5; 122; 9Alp2Lib ; 2.75; 9700;occ; 83; 0;42774  
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 3; 2248.0; 06-MAY-2010 07:17:02; Bright; 39.0; 3; 16Alp Boo ; -0.05; 4250;occ; 78; 0;42774  
 4; 2422.5; 06-MAY-2010 07:19:56; Bright; 41.5; 83; ; 2.38; 11000;occ; 83; 0;42774  
 5; 2517.9; 06-MAY-2010 07:21:32; Bright; 48.5; 67; 5Alp CrB ; 2.22; 11000;occ; 97; 0;42774  
 6; 3166.4; 06-MAY-2010 07:32:20; Bright; 44.0; 119; 14Eta Dra ; 2.73; 4700;occ; 88; 0;42774  
 7; 3804.7; 06-MAY-2010 07:42:59; Bright; 44.0; 89; 5Alp Cep ; 2.45; 8000;occ; 88; 0;42774  
 8; 4550.1; 06-MAY-2010 07:55:24; Dark ; 53.0; 93; 53Bet Peg ; 2.52; 3100;occ; 106; 0;42774  
 9; 4799.0; 06-MAY-2010 07:59:33; Dark ; 48.0; 90; 54Alp Peg ; 2.49; 11000;occ; 96; 0;42774  
 10; 5243.4; 06-MAY-2010 08:06:57; Dark ; 59.5; 162; 34Alp Aqr ; 2.94; 5350;occ; 119; 0;42774  
 11; 5650.6; 06-MAY-2010 08:13:45; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;42774  
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 13; 6818.6; 06-MAY-2010 08:33:12; Dark ; 65.5; 38; 20Eps Sgr ; 1.84; 11000;occ; 131; 0;42775  
 14; 6955.2; 06-MAY-2010 08:35:29; Dark ; 58.0; 25; 35Lam Sco ; 1.62; 28000;occ; 116; 0;42775  
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 17; 7457.3; 06-MAY-2010 08:43:51; Dark ; 59.0; 80; 7Del Sco ; 2.32; 30000;occ; 118; 0;42775  
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 4; 2422.0; 06-MAY-2010 09:00:32; Bright; 43.0; 83; ; 2.38; 11000;occ; 86; 0;42775  
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 6; 3165.8; 06-MAY-2010 09:12:56; Bright; 43.5; 119; 14Eta Dra ; 2.73; 4700;occ; 87; 0;42775  
 7; 3804.4; 06-MAY-2010 09:23:34; Bright; 45.5; 89; 5Alp Cep ; 2.45; 8000;occ; 91; 0;42775  
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 11; 5652.0; 06-MAY-2010 09:54:22; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;42775  
 12; 5855.9; 06-MAY-2010 09:57:46; Dark ; 42.5; 172; Gam Gru ; 3.00; 13100;occ; 85; 0;42775  
 13; 6820.1; 06-MAY-2010 10:13:50; Dark ; 67.0; 38; 20Eps Sgr ; 1.84; 11000;occ; 134; 0;42776  
 14; 6955.7; 06-MAY-2010 10:16:06; Dark ; 60.0; 25; 35Lam Sco ; 1.62; 28000;occ; 120; 0;42776  
 15; 7125.7; 06-MAY-2010 10:18:56; Dark ; 59.0; 75; 26Eps Sco ; 2.29; 4250;occ; 118; 0;42776  
 16; 7335.6; 06-MAY-2010 10:22:25; Dark ; 73.0; 16; 21Alp Sco ; 1.02; 3000;occ; 146; 0;42776  
 17; 7457.4; 06-MAY-2010 10:24:27; Dark ; 55.5; 80; 7Del Sco ; 2.32; 30000;occ; 111; 0;42776  
 18; 7634.7; 06-MAY-2010 10:27:25; Bright; 42.5; 122; 9Alp2Lib ; 2.75; 9700;occ; 85; 0;42776

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 3; 2103.9; 06-MAY-2010 10:35:50; Bright; 52.5; 102; 24Alp Ser ; 2.60; 4250;occ; 105; 0;42776  
 4; 2247.6; 06-MAY-2010 10:38:13; Bright; 38.0; 3; 16Alp Boo ; -0.05; 4250;occ; 76; 0;42776  
 5; 2421.8; 06-MAY-2010 10:41:07; Bright; 44.0; 83; ; 2.38; 11000;occ; 88; 0;42776  
 6; 2516.5; 06-MAY-2010 10:42:42; Bright; 49.5; 67; 5Alp CrB ; 2.22; 11000;occ; 99; 0;42776  
 7; 3165.3; 06-MAY-2010 10:53:31; Bright; 43.5; 119; 14Eta Dra ; 2.73; 4700;occ; 87; 0;42776  
 8; 3803.7; 06-MAY-2010 11:04:09; Bright; 63.0; 89; 5Alp Cep ; 2.45; 8000;occ; 126; 0;42776  
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 13; 5856.9; 06-MAY-2010 11:38:23; Dark ; 43.0; 172; Gam Gru ; 3.00; 13100;occ; 86; 0;42776  
 14; 6821.2; 06-MAY-2010 11:54:27; Dark ; 66.5; 38; 20Eps Sgr ; 1.84; 11000;occ; 133; 0;42777

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 3; 2103.5; 06-MAY-2010 12:16:25; Bright; 53.0; 102; 24Alp Ser ; 2.60; 4250;occ; 106; 0;42777
 4; 2247.6; 06-MAY-2010 12:18:49; Bright; 37.5; 3; 16Alp Boo ; -0.05; 4250;occ; 75; 0;42777
 5; 2421.1; 06-MAY-2010 12:21:43; Bright; 40.5; 83; ; 2.38; 11000;occ; 81; 0;42777
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 8; 3803.6; 06-MAY-2010 12:44:45; Bright; 42.5; 89; 5Alp Cep ; 2.45; 8000;occ; 85; 0;42777
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10; 4800.1; 06-MAY-2010 13:01:22; Dark ; 47.0; 90; 54Alp Peg ; 2.49; 11000;occ; 94; 0;42777
11; 5246.6; 06-MAY-2010 13:08:48; Dark ; 60.5; 162; 34Alp Aqr ; 2.94; 5350;occ; 121; 0;42777
12; 5654.7; 06-MAY-2010 13:15:36; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;42777
13; 5857.3; 06-MAY-2010 13:18:59; Dark ; 44.5; 172; Gam Gru ; 3.00; 13100;occ; 89; 0;42777
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16; 7127.2; 06-MAY-2010 13:40:09; Dark ; 54.5; 75; 26Eps Sco ; 2.29; 4250;occ; 109; 0;42778
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 4; 2102.8; 06-MAY-2010 13:57:00; Bright; 53.0; 102; 24Alp Ser ; 2.60; 4250;occ; 106; 0;42778
 5; 2247.0; 06-MAY-2010 13:59:24; Bright; 39.5; 3; 16Alp Boo ; -0.05; 4250;occ; 79; 0;42778
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 9; 3803.4; 06-MAY-2010 14:25:21; Bright; 44.5; 89; 5Alp Cep ; 2.45; 8000;occ; 89; 0;42778
10; 4550.8; 06-MAY-2010 14:37:48; Dark ; 54.0; 93; 53Bet Peg ; 2.52; 3100;occ; 108; 0;42778
11; 4800.8; 06-MAY-2010 14:41:58; Dark ; 48.5; 90; 54Alp Peg ; 2.49; 11000;occ; 97; 0;42778
12; 5247.5; 06-MAY-2010 14:49:25; Dark ; 57.0; 162; 34Alp Aqr ; 2.94; 5350;occ; 114; 0;42778
13; 5656.2; 06-MAY-2010 14:56:14; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;42778
14; 5858.7; 06-MAY-2010 14:59:36; Dark ; 41.5; 172; Gam Gru ; 3.00; 13100;occ; 83; 0;42778
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 3; 813.8; 06-MAY-2010 16:56:43; Dark ; 52.0; 40; The Sco ; 1.86; 7100;occ; 104; 0;42780
 4; 928.7; 06-MAY-2010 16:58:38; Dark ; 34.0; 115; 34Ups Sco ; 2.70; 26000;occ; 68; 0;42780
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 4; 235.4; 06-MAY-2010 23:29:29; Dark ; 40.5; 45; Alp Pav ; 1.94; 26000;occ; 81; 0;42784
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12; 1725.1; 06-MAY-2010 23:54:18; Bright; 45.0; 104; 27Bet Lib ; 2.61; 13100;occ; 90; 0;42784
13; 2223.4; 07-MAY-2010 00:02:37; Bright; 36.5; 111; 8Eta Boo ; 2.68; 6000;occ; 73; 0;42784
14; 2418.7; 07-MAY-2010 00:05:52; Bright; 40.0; 83; ; 2.38; 11000;occ; 80; 0;42784
15; 2603.2; 07-MAY-2010 00:08:56; Bright; 39.0; 180; 27Gam Boo ; 3.04; 8000;occ; 78; 0;42784
16; 2754.9; 07-MAY-2010 00:11:28; Bright; 37.0; 39; 85Eta UMa ; 1.85; 24000;occ; 74; 0;42784
17; 2842.0; 07-MAY-2010 00:12:55; Bright; 37.5; 55; 79Zet UMa ; 2.06; 10200;occ; 75; 0;42784
18; 3160.7; 07-MAY-2010 00:18:14; Bright; 44.0; 119; 14Eta Dra ; 2.73; 4700;occ; 88; 0;42784
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20; 3965.2; 07-MAY-2010 00:31:38; Bright; 44.0; 74; 11Bet Cas ; 2.27; 6600;occ; 88; 0;42784
21; 4551.9; 07-MAY-2010 00:41:25; Dark ; 52.5; 93; 53Bet Peg ; 2.52; 3100;occ; 105; 0;42784
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33; 7635.9; 07-MAY-2010 03:13:25; Bright; 42.5; 122; 9Alp2Lib ; 2.75; 9700;occ; 85; 0;42786
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3; 1338.4; 07-MAY-2010 19:55:03; Dark ; 53.0; 156; 20Sig Sco ; 2.90; 28000;occ; 106; 0;42796
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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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 19; 6279.9; 07-MAY-2010 19:36:48; Dark ; 45.0; 45; Alp Pav ; 1.94; 26000;occ; 90; 0;42796  
 20; 6729.2; 07-MAY-2010 19:44:18; Dark ; 51.0; 141; Bet Ara ; 2.84; 4600;occ; 102; 0;42796  
 21; 6862.2; 07-MAY-2010 19:46:31; Dark ; 53.5; 40; The Sco ; 1.86; 7100;occ; 107; 0;42796  
 22; 6972.5; 07-MAY-2010 19:48:21; Dark ; 31.5; 25; 35Lam Sco ; 1.62; 28000;occ; 63; 0;42796

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 13; 1724.9; 08-MAY-2010 01:03:17; Bright; 44.5; 104; 27Bet Lib ; 2.61; 13100;occ; 89; 0;42799  
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 18; 3152.1; 08-MAY-2010 01:27:04; Bright; 44.5; 119; 14Eta Dra ; 2.73; 4700;occ; 89; 0;42799  
 19; 3795.6; 08-MAY-2010 01:37:48; Bright; 45.0; 89; 5Alp Cep ; 2.45; 8000;occ; 90; 0;42799  
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 6; 829.4; 08-MAY-2010 02:28:57; Dark ; 55.5; 40; The Sco ; 1.86; 7100;occ; 111; 0;42800  
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 13; 1724.9; 08-MAY-2010 02:43:53; Bright; 44.5; 104; 27Bet Lib ; 2.61; 13100;occ; 89; 0;42800  
 14; 2222.3; 08-MAY-2010 02:52:10; Bright; 36.0; 111; 8Eta Boo ; 2.68; 6000;occ; 72; 0;42800  
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 17; 2752.6; 08-MAY-2010 03:01:01; Bright; 38.0; 39; 85Eta UMa ; 1.85; 24000;occ; 76; 0;42800  
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8; 246.9; 08-MAY-2010 03:59:51; Dark ; 46.0; 45; Alp Pav ; 1.94; 26000;occ; 92; 0;42801
9; 696.3; 08-MAY-2010 04:07:20; Dark ; 44.5; 141; Bet Ara ; 2.84; 4600;occ; 89; 0;42801
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13; 1260.5; 08-MAY-2010 04:16:44; Dark ; 29.0; 136; 23Tau Sco ; 2.82; 30000;occ; 58; 0;42801
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17; 1725.1; 08-MAY-2010 04:24:29; Bright; 43.5; 104; 27Bet Lib ; 2.61; 13100;occ; 87; 0;42801
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19; 2412.4; 08-MAY-2010 04:35:56; Bright; 43.5; 83; ; 2.38; 11000;occ; 87; 0;42801
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16; 1601.9; 08-MAY-2010 06:03:02; Bright; 41.0; 122; 9Alp2Lib ; 2.75; 9700;occ; 82; 0;42802
17; 1724.9; 08-MAY-2010 06:05:05; Bright; 44.5; 104; 27Bet Lib ; 2.61; 13100;occ; 89; 0;42802
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19; 2412.2; 08-MAY-2010 06:16:32; Bright; 43.0; 83; ; 2.38; 11000;occ; 86; 0;42802
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9; 2409.1; 08-MAY-2010 21:21:53; Bright; 41.5; 83; ; 2.38; 11000;occ; 83; 0;42811
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13; 3791.6; 08-MAY-2010 21:44:55; Bright; 43.5; 89; 5Alp Cep ; 2.45; 8000;occ; 87; 0;42811
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6; 838.8; 08-MAY-2010 22:36:18; Dark ; 54.5; 40; The Sco ; 1.86; 7100;occ; 109; 0;42812
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13; 2221.7; 09-MAY-2010 00:39:57; Bright; 37.5; 111; 8Eta Boo ; 2.68; 6000;occ; 75; 0;42813
14; 2408.2; 09-MAY-2010 00:43:03; Bright; 40.0; 83; ; 2.38; 11000;occ; 80; 0;42813
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20;	7003.1;	10-MAY-2010	13:12:13;	Dark	;	54.0;	25;	35Lam Sco	;	1.62;	28000;occ;	108;	0;	42835
21;	7159.9;	10-MAY-2010	13:14:50;	Dark	;	53.5;	75;	26Eps Sco	;	2.29;	4250;occ;	107;	0;	42835
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 6; 726.1; 11-MAY-2010 22:40:10; Dark ; 45.0; 141; Bet Ara ; 2.84; 4600;occ; 90; 0;42855  
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22; 6319.6; 11-MAY-2010 20:52:12; Dark ; 40.5; 45; Alp Pav ; 1.94; 26000;occ; 81; 0;42854
23; 6761.6; 11-MAY-2010 20:59:34; Dark ; 54.0; 141; Bet Ara ; 2.84; 4600;occ; 108; 0;42854
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13; 1725.5; 12-MAY-2010 02:18:02; Bright; 41.5; 104; 27Bet Lib ; 2.61; 13100;occ; 83; 0;42857
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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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16; 2392.3; 13-MAY-2010 00:16:55; Bright; 39.5; 83; ; 2.38; 11000;occ; 79; 0;42870
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6; 2383.8; 15-MAY-2010 15:59:32; Bright; 38.0; 83; ; 2.38; 11000;occ; 76; 0;42908
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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
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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
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9; 2383.4; 15-MAY-2010 19:20:44; Bright; 39.0; 83; ; 2.38; 11000;occ; 78; 0;42910  
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11; 3094.9; 15-MAY-2010 19:32:35; Bright; 42.5; 119; 14Eta Dra ; 2.73; 4700;occ; 85; 0;42910  
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21; 6791.7; 15-MAY-2010 20:34:12; Dark ; 45.5; 141; Bet Ara ; 2.84; 4600;occ; 91; 0;42911  
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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  
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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  
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4; 324.3; 15-MAY-2010 22:07:37; Dark ; 42.0; 45; Alp Pav ; 1.94; 26000;occ; 84; 0;42912  
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  
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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  
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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  
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5; 756.8; 15-MAY-2010 23:55:25; Dark ; 43.5; 141; Bet Ara ; 2.84; 4600;occ; 87; 0;42913  
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9; 1349.3; 16-MAY-2010 00:05:17; Dark ; 63.0; 16; 21Alp Sco ; 1.02; 3000;occ; 126; 0;42913  
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 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  
 17; 3749.7; 16-MAY-2010 00:45:18; Bright; 46.0; 89; 5Alp Cep ; 2.45; 8000;occ; 92; 0;42913  
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 27; 6969.1; 16-MAY-2010 03:19:33; Dark ; 32.0; 38; 20Eps Sgr ; 1.84; 11000;occ; 64; 0;42915  
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 2; 1852.9; 17-MAY-2010 11:26:15; Bright; 51.0; 120; 1Del Oph ; 2.73; 3200;occ; 102; 0;42934  
 3; 2042.2; 17-MAY-2010 11:29:25; Bright; 43.0; 102; 24Alp Ser ; 2.60; 4250;occ; 86; 0;42934  
 4; 2379.3; 17-MAY-2010 11:35:02; Bright; 39.0; 83; ; 2.38; 11000;occ; 78; 0;42934  
 5; 2567.8; 17-MAY-2010 11:38:10; Bright; 37.5; 180; 27Gam Boo ; 3.04; 8000;occ; 75; 0;42934  
 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  
 8; 3960.2; 17-MAY-2010 12:01:23; Bright; 55.0; 74; 11Bet Cas ; 2.27; 6600;occ; 110; 0;42934  
 9; 4517.4; 17-MAY-2010 12:10:40; Dark ; 46.0; 58; 21Alp And ; 2.07; 11000;occ; 92; 0;42934  
 10; 4769.2; 17-MAY-2010 12:14:52; Dark ; 43.5; 140; 88Gam Peg ; 2.83; 26000;occ; 87; 0;42934  
 11; 4871.9; 17-MAY-2010 12:16:35; Dark ; 56.5; 90; 54Alp Peg ; 2.49; 11000;occ; 113; 0;42934  
 12; 5695.2; 17-MAY-2010 12:30:18; Dark ; 50.0; 18; 24Alp PsA ; 1.17; 9700;occ; 100; 0;42934  
 13; 5845.3; 17-MAY-2010 12:32:48; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;42934  
 14; 5953.1; 17-MAY-2010 12:34:36; Dark ; 42.0; 63; Bet Gru ; 2.15; 2800;occ; 84; 0;42934  
 15; 6043.8; 17-MAY-2010 12:36:06; Dark ; 49.0; 31; Alp Gru ; 1.73; 15200;occ; 98; 0;42934  
 16; 6376.3; 17-MAY-2010 12:41:39; Dark ; 44.0; 45; Alp Pav ; 1.94; 26000;occ; 88; 0;42935  
 17; 6804.0; 17-MAY-2010 12:48:47; Dark ; 47.0; 141; Bet Ara ; 2.84; 4600;occ; 94; 0;42935  
 18; 6987.5; 17-MAY-2010 12:51:50; Dark ; 53.0; 38; 20Eps Sgr ; 1.84; 11000;occ; 106; 0;42935  
 19; 7072.0; 17-MAY-2010 12:53:15; Dark ; 52.0; 25; 35Lam Sco ; 1.62; 28000;occ; 104; 0;42935  
 20; 7209.0; 17-MAY-2010 12:55:32; Dark ; 52.5; 75; 26Eps Sco ; 2.29; 4250;occ; 105; 0;42935  
 21; 7392.1; 17-MAY-2010 12:58:35; Dark ; 56.0; 16; 21Alp Sco ; 1.02; 3000;occ; 112; 0;42935  
 22; 7546.1; 17-MAY-2010 13:01:09; Bright; 44.0; 97; 8Bet1Sco ; 2.56; 30000;occ; 88; 0;42935

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 2; 1853.0; 17-MAY-2010 13:06:51; Bright; 49.5; 120; 1Del Oph ; 2.73; 3200;occ; 99; 0;42935  
 3; 2042.0; 17-MAY-2010 13:10:00; Bright; 44.5; 102; 24Alp Ser ; 2.60; 4250;occ; 89; 0;42935  
 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  
 8; 3960.1; 17-MAY-2010 13:41:59; Bright; 55.0; 74; 11Bet Cas ; 2.27; 6600;occ; 110; 0;42935  
 9; 4517.4; 17-MAY-2010 13:51:16; Dark ; 47.0; 58; 21Alp And ; 2.07; 11000;occ; 94; 0;42935  
 10; 4769.7; 17-MAY-2010 13:55:28; Dark ; 43.5; 140; 88Gam Peg ; 2.83; 26000;occ; 87; 0;42935  
 11; 4873.0; 17-MAY-2010 13:57:11; Dark ; 53.5; 90; 54Alp Peg ; 2.49; 11000;occ; 107; 0;42935  
 12; 5696.0; 17-MAY-2010 14:10:54; Dark ; 52.0; 18; 24Alp PsA ; 1.17; 9700;occ; 104; 0;42935  
 13; 5846.3; 17-MAY-2010 14:13:25; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;42935  
 14; 5953.5; 17-MAY-2010 14:15:12; Dark ; 58.0; 63; Bet Gru ; 2.15; 2800;occ; 116; 0;42935  
 15; 6044.6; 17-MAY-2010 14:16:43; Dark ; 50.0; 31; Alp Gru ; 1.73; 15200;occ; 100; 0;42935  
 16; 6376.6; 17-MAY-2010 14:22:15; Dark ; 42.0; 45; Alp Pav ; 1.94; 26000;occ; 84; 0;42936  
 17; 6804.3; 17-MAY-2010 14:29:23; Dark ; 48.5; 141; Bet Ara ; 2.84; 4600;occ; 97; 0;42936  
 18; 6988.8; 17-MAY-2010 14:32:27; Dark ; 55.0; 38; 20Eps Sgr ; 1.84; 11000;occ; 110; 0;42936  
 19; 7072.5; 17-MAY-2010 14:33:51; Dark ; 52.5; 25; 35Lam Sco ; 1.62; 28000;occ; 105; 0;42936  
 20; 7209.4; 17-MAY-2010 14:36:08; Dark ; 49.5; 75; 26Eps Sco ; 2.29; 4250;occ; 99; 0;42936  
 21; 7392.6; 17-MAY-2010 14:39:11; Dark ; 57.5; 16; 21Alp Sco ; 1.02; 3000;occ; 115; 0;42936

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 2; 1728.1; 17-MAY-2010 14:45:22; Bright; 40.0; 104; 27Bet Lib ; 2.61; 13100;occ; 80; 0;42936  
 3; 1852.5; 17-MAY-2010 14:47:27; Bright; 48.5; 120; 1Del Oph ; 2.73; 3200;occ; 97; 0;42936  
 4; 2041.8; 17-MAY-2010 14:50:36; Bright; 43.0; 102; 24Alp Ser ; 2.60; 4250;occ; 86; 0;42936  
 5; 2379.1; 17-MAY-2010 14:56:13; Bright; 37.5; 83; ; 2.38; 11000;occ; 75; 0;42936  
 6; 2567.7; 17-MAY-2010 14:59:22; Bright; 38.0; 180; 27Gam Boo ; 3.04; 8000;occ; 76; 0;42936  
 7; 3082.8; 17-MAY-2010 15:07:57; Bright; 37.0; 119; 14Eta Dra ; 2.73; 4700;occ; 74; 0;42936  
 8; 3739.3; 17-MAY-2010 15:18:54; Bright; 47.0; 89; 5Alp Cep ; 2.45; 8000;occ; 94; 0;42936  
 9; 3960.5; 17-MAY-2010 15:22:35; Bright; 55.0; 74; 11Bet Cas ; 2.27; 6600;occ; 110; 0;42936  
 10; 4517.7; 17-MAY-2010 15:31:52; Dark ; 47.0; 58; 21Alp And ; 2.07; 11000;occ; 94; 0;42936  
 11; 4770.0; 17-MAY-2010 15:36:04; Dark ; 41.5; 140; 88Gam Peg ; 2.83; 26000;occ; 83; 0;42936  
 12; 4873.5; 17-MAY-2010 15:37:48; Dark ; 56.0; 90; 54Alp Peg ; 2.49; 11000;occ; 112; 0;42936  
 13; 5696.9; 17-MAY-2010 15:51:31; Dark ; 52.5; 18; 24Alp PsA ; 1.17; 9700;occ; 105; 0;42936  
 14; 5847.3; 17-MAY-2010 15:54:02; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;42936  
 15; 5954.4; 17-MAY-2010 15:55:49; Dark ; 53.5; 63; Bet Gru ; 2.15; 2800;occ; 107; 0;42936  
 16; 6045.5; 17-MAY-2010 15:57:20; Dark ; 42.0; 31; Alp Gru ; 1.73; 15200;occ; 84; 0;42937  
 17; 6377.6; 17-MAY-2010 16:02:52; Dark ; 41.0; 45; Alp Pav ; 1.94; 26000;occ; 82; 0;42937  
 18; 6805.2; 17-MAY-2010 16:10:00; Dark ; 40.5; 141; Bet Ara ; 2.84; 4600;occ; 81; 0;42937  
 19; 6989.7; 17-MAY-2010 16:13:04; Dark ; 55.0; 38; 20Eps Sgr ; 1.84; 11000;occ; 110; 0;42937  
 20; 7073.4; 17-MAY-2010 16:14:28; Dark ; 52.5; 25; 35Lam Sco ; 1.62; 28000;occ; 105; 0;42937  
 21; 7210.1; 17-MAY-2010 16:16:44; Dark ; 51.0; 75; 26Eps Sco ; 2.29; 4250;occ; 102; 0;42937

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 3; 1728.4; 17-MAY-2010 16:25:59; Bright; 39.0; 104; 27Bet Lib ; 2.61; 13100;occ; 78; 0;42937  
 4; 1852.4; 17-MAY-2010 16:28:03; Bright; 48.5; 120; 1Del Oph ; 2.73; 3200;occ; 97; 0;42937  
 5; 2041.6; 17-MAY-2010 16:31:12; Bright; 43.5; 102; 24Alp Ser ; 2.60; 4250;occ; 87; 0;42937  
 6; 2378.8; 17-MAY-2010 16:36:49; Bright; 37.0; 83; ; 2.38; 11000;occ; 74; 0;42937  
 7; 2567.5; 17-MAY-2010 16:39:58; Bright; 39.0; 180; 27Gam Boo ; 3.04; 8000;occ; 78; 0;42937  
 8; 3082.2; 17-MAY-2010 16:48:33; Bright; 42.5; 119; 14Eta Dra ; 2.73; 4700;occ; 85; 0;42937  
 9; 3738.9; 17-MAY-2010 16:59:29; Bright; 45.5; 89; 5Alp Cep ; 2.45; 8000;occ; 91; 0;42937  
 10; 3960.2; 17-MAY-2010 17:03:11; Bright; 36.0; 74; 11Bet Cas ; 2.27; 6600;occ; 72; 0;42937  
 11; 4518.1; 17-MAY-2010 17:12:28; Dark ; 44.5; 58; 21Alp And ; 2.07; 11000;occ; 89; 0;42937  
 12; 4770.2; 17-MAY-2010 17:16:41; Dark ; 43.0; 140; 88Gam Peg ; 2.83; 26000;occ; 86; 0;42937  
 13; 4874.1; 17-MAY-2010 17:18:24; Dark ; 57.5; 90; 54Alp Peg ; 2.49; 11000;occ; 115; 0;42937  
 14; 5698.0; 17-MAY-2010 17:32:08; Dark ; 54.5; 18; 24Alp PsA ; 1.17; 9700;occ; 109; 0;42937  
 15; 5848.2; 17-MAY-2010 17:34:39; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;42937  
 16; 5954.9; 17-MAY-2010 17:36:25; Dark ; 48.0; 63; Bet Gru ; 2.15; 2800;occ; 96; 0;42937  
 17; 6046.3; 17-MAY-2010 17:37:57; Dark ; 44.0; 31; Alp Gru ; 1.73; 15200;occ; 88; 0;42938  
 18; 6378.5; 17-MAY-2010 17:43:29; Dark ; 41.5; 45; Alp Pav ; 1.94; 26000;occ; 83; 0;42938  
 19; 6805.5; 17-MAY-2010 17:50:36; Dark ; 50.0; 141; Bet Ara ; 2.84; 4600;occ; 100; 0;42938  
 20; 6990.7; 17-MAY-2010 17:53:41; Dark ; 57.0; 38; 20Eps Sgr ; 1.84; 11000;occ; 114; 0;42938  
 21; 7073.9; 17-MAY-2010 17:55:04; Dark ; 53.0; 25; 35Lam Sco ; 1.62; 28000;occ; 106; 0;42938

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 3; 1357.1; 17-MAY-2010 18:00:23; Dark ; 61.5; 16; 21Alp Sco ; 1.02; 3000;occ; 123; 0;42938  
 4; 1510.7; 17-MAY-2010 18:02:57; Bright; 44.5; 97; 8Bet1Sco ; 2.56; 30000;occ; 89; 0;42938  
 5; 1728.1; 17-MAY-2010 18:06:34; Bright; 40.0; 104; 27Bet Lib ; 2.61; 13100;occ; 80; 0;42938  
 6; 1852.2; 17-MAY-2010 18:08:39; Bright; 48.5; 120; 1Del Oph ; 2.73; 3200;occ; 97; 0;42938  
 7; 2041.3; 17-MAY-2010 18:11:48; Bright; 42.5; 102; 24Alp Ser ; 2.60; 4250;occ; 85; 0;42938  
 8; 2378.9; 17-MAY-2010 18:17:25; Bright; 40.5; 83; ; 2.38; 11000;occ; 81; 0;42938  
 9; 2567.5; 17-MAY-2010 18:20:34; Bright; 36.0; 180; 27Gam Boo ; 3.04; 8000;occ; 72; 0;42938  
 10; 3081.5; 17-MAY-2010 18:29:08; Bright; 43.5; 119; 14Eta Dra ; 2.73; 4700;occ; 87; 0;42938  
 11; 3738.1; 17-MAY-2010 18:40:04; Bright; 45.5; 89; 5Alp Cep ; 2.45; 8000;occ; 91; 0;42938  
 12; 3959.9; 17-MAY-2010 18:43:46; Bright; 35.5; 74; 11Bet Cas ; 2.27; 6600;occ; 71; 0;42938  
 13; 4518.1; 17-MAY-2010 18:53:04; Dark ; 45.0; 58; 21Alp And ; 2.07; 11000;occ; 90; 0;42938  
 14; 4770.3; 17-MAY-2010 18:57:17; Dark ; 45.0; 140; 88Gam Peg ; 2.83; 26000;occ; 90; 0;42938  
 15; 4874.6; 17-MAY-2010 18:59:01; Dark ; 55.5; 90; 54Alp Peg ; 2.49; 11000;occ; 111; 0;42938  
 16; 5698.4; 17-MAY-2010 19:12:45; Dark ; 49.0; 18; 24Alp PsA ; 1.17; 9700;occ; 98; 0;42938  
 17; 5849.1; 17-MAY-2010 19:15:15; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;42938  
 18; 5955.7; 17-MAY-2010 19:17:02; Dark ; 58.0; 63; Bet Gru ; 2.15; 2800;occ; 116; 0;42938  
 19; 6047.2; 17-MAY-2010 19:18:34; Dark ; 41.0; 31; Alp Gru ; 1.73; 15200;occ; 82; 0;42939  
 20; 6378.9; 17-MAY-2010 19:24:05; Dark ; 42.5; 45; Alp Pav ; 1.94; 26000;occ; 85; 0;42939  
 21; 6805.9; 17-MAY-2010 19:31:12; Dark ; 51.5; 141; Bet Ara ; 2.84; 4600;occ; 103; 0;42939  
 22; 6991.0; 17-MAY-2010 19:34:17; Dark ; 16.5; 38; 20Eps Sgr ; 1.84; 11000;occ; 33; 0;42939

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 3; -78.3; 18-MAY-2010 00:18:52; Dark ; 58.0; 63; Bet Gru ; 2.15; 2800;occ; 116; 0;42941  
 4; 13.3; 18-MAY-2010 00:20:23; Dark ; 43.5; 31; Alp Gru ; 1.73; 15200;occ; 87; 0;42942  
 5; 344.9; 18-MAY-2010 00:25:55; Dark ; 42.5; 45; Alp Pav ; 1.94; 26000;occ; 85; 0;42942  
 6; 771.3; 18-MAY-2010 00:33:01; Dark ; 43.5; 141; Bet Ara ; 2.84; 4600;occ; 87; 0;42942  
 7; 928.4; 18-MAY-2010 00:35:38; Dark ; 48.0; 40; The Sco ; 1.86; 7100;occ; 96; 0;42942  
 8; 1040.4; 18-MAY-2010 00:37:30; Dark ; 52.5; 25; 35Lam Sco ; 1.62; 28000;occ; 105; 0;42942  
 9; 1176.1; 18-MAY-2010 00:39:46; Dark ; 50.0; 75; 26Eps Sco ; 2.29; 4250;occ; 100; 0;42942  
 10; 1358.5; 18-MAY-2010 00:42:48; Dark ; 56.5; 16; 21Alp Sco ; 1.02; 3000;occ; 113; 0;42942  
 11; 1511.3; 18-MAY-2010 00:45:21; Bright; 46.5; 97; 8Bet1Sco ; 2.56; 30000;occ; 93; 0;42942  
 12; 1728.4; 18-MAY-2010 00:48:58; Bright; 40.0; 104; 27Bet Lib ; 2.61; 13100;occ; 80; 0;42942  
 13; 1851.5; 18-MAY-2010 00:51:01; Bright; 48.0; 120; 1Del Oph ; 2.73; 3200;occ; 96; 0;42942  
 14; 2040.2; 18-MAY-2010 00:54:10; Bright; 42.5; 102; 24Alp Ser ; 2.60; 4250;occ; 85; 0;42942  
 15; 2378.2; 18-MAY-2010 00:59:48; Bright; 39.5; 83; ; 2.38; 11000;occ; 79; 0;42942  
 16; 2566.7; 18-MAY-2010 01:02:57; Bright; 36.5; 180; 27Gam Boo ; 3.04; 8000;occ; 73; 0;42942  
 17; 3079.6; 18-MAY-2010 01:11:30; Bright; 41.0; 119; 14Eta Dra ; 2.73; 4700;occ; 82; 0;42942  
 18; 3736.6; 18-MAY-2010 01:22:27; Bright; 44.5; 89; 5Alp Cep ; 2.45; 8000;occ; 89; 0;42942  
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 21; 4771.9; 18-MAY-2010 01:39:42; Dark ; 44.0; 140; 88Gam Peg ; 2.83; 26000;occ; 88; 0;42942  
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3; -77.8; 18-MAY-2010 01:59:28; Dark ; 46.0; 63; Bet Gru ; 2.15; 2800;occ; 92; 0;42942
4; 13.9; 18-MAY-2010 02:01:00; Dark ; 42.5; 31; Alp Gru ; 1.73; 15200;occ; 85; 0;42943
5; 346.0; 18-MAY-2010 02:06:32; Dark ; 41.0; 45; Alp Pav ; 1.94; 26000;occ; 82; 0;42943
6; 774.6; 18-MAY-2010 02:13:40; Dark ; 46.0; 141; Bet Ara ; 2.84; 4600;occ; 92; 0;42943
7; 928.9; 18-MAY-2010 02:16:15; Dark ; 53.0; 40; The Sco ; 1.86; 7100;occ; 106; 0;42943
8; 1041.0; 18-MAY-2010 02:18:07; Dark ; 53.0; 25; 35Lam Sco ; 1.62; 28000;occ; 106; 0;42943
9; 1176.6; 18-MAY-2010 02:20:22; Dark ; 54.0; 75; 26Eps Sco ; 2.29; 4250;occ; 108; 0;42943
10; 1358.8; 18-MAY-2010 02:23:25; Dark ; 64.0; 16; 21Alp Sco ; 1.02; 3000;occ; 128; 0;42943
11; 1511.5; 18-MAY-2010 02:25:57; Bright; 46.0; 97; 8Bet1Sco ; 2.56; 30000;occ; 92; 0;42943
12; 1728.6; 18-MAY-2010 02:29:34; Bright; 40.0; 104; 27Bet Lib ; 2.61; 13100;occ; 80; 0;42943
13; 1851.3; 18-MAY-2010 02:31:37; Bright; 48.0; 120; 1Del Oph ; 2.73; 3200;occ; 96; 0;42943
14; 2039.9; 18-MAY-2010 02:34:46; Bright; 43.5; 102; 24Alp Ser ; 2.60; 4250;occ; 87; 0;42943
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3;-1516.9; 18-MAY-2010 03:16:05; Dark ; 45.0; 58; 21Alp And ; 2.07; 11000;occ; 90; 0;42943
4;-1264.0; 18-MAY-2010 03:20:18; Dark ; 45.0; 140; 88Gam Peg ; 2.83; 26000;occ; 90; 0;42943
5;-1158.5; 18-MAY-2010 03:22:03; Dark ; 56.5; 90; 54Alp Peg ; 2.49; 11000;occ; 113; 0;42943
6; -333.2; 18-MAY-2010 03:35:49; Dark ; 56.5; 18; 24Alp PsA ; 1.17; 9700;occ; 113; 0;42943
7; -182.3; 18-MAY-2010 03:38:20; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;42943
8; -77.1; 18-MAY-2010 03:40:05; Dark ; 55.0; 63; Bet Gru ; 2.15; 2800;occ; 110; 0;42943
9; 15.1; 18-MAY-2010 03:41:37; Dark ; 45.0; 31; Alp Gru ; 1.73; 15200;occ; 90; 0;42944
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14; 1371.7; 21-MAY-2010 07:31:10; Dark ; 58.5; 16; 21Alp Sco ; 1.02; 3000;occ; 117; 0;42989
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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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 6; 3059.1; 21-MAY-2010 09:39:54; Bright; 39.5; 119; 14Eta Dra ; 2.73; 4700;occ; 79; 0;42990  
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 8; 3937.4; 21-MAY-2010 09:54:32; Bright; 39.0; 76; 27Gam Cas ; 2.30; 30000;occ; 78; 0;42990  
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 16; 6415.8; 21-MAY-2010 10:35:50; Dark ; 45.0; 45; Alp Pav ; 1.94; 26000;occ; 90; 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  
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 3; 2029.8; 21-MAY-2010 12:43:56; Bright; 41.0; 102; 24Alp Ser ; 2.60; 4250;occ; 82; 0;42992  
 4; 2372.5; 21-MAY-2010 12:49:39; Bright; 35.5; 83; ; 2.38; 11000;occ; 71; 0;42992  
 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  
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 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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13; 1843.0; 22-MAY-2010 00:25:01; Bright; 45.0; 120; 1Del Oph ; 2.73; 3200;occ; 90; 0;42999
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 6; 799.0; 22-MAY-2010 01:48:13; Dark ; 42.0; 141; Bet Ara ; 2.84; 4600;occ; 84; 0;43000
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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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1; 1761.4; 22-MAY-2010 07:06:03; Bright; 40.5; 104; 27Bet Lib ; 2.61; 13100;occ; 81; 58;43003  
 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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1; 1732.7; 22-MAY-2010 10:26:46; Bright; 40.5; 104; 27Bet Lib ; 2.61; 13100;occ; 81; 0;43005  
 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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 2; 1842.3; 22-MAY-2010 12:09:11; Bright; 44.5; 120; 1Del Oph ; 2.73; 3200;occ; 89; 0;43006  
 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  
 7; 3173.5; 22-MAY-2010 12:31:23; Bright; 37.0; 60; 7Bet UMi ; 2.08; 3950;occ; 74; 0;43006  
 8; 3937.2; 22-MAY-2010 12:44:06; Bright; 54.0; 76; 27Gam Cas ; 2.30; 30000;occ; 108; 0;43006  
 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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12; 5760.2; 22-MAY-2010 13:14:29; Dark ; 48.0; 18; 24Alp PsA ; 1.17; 9700;occ; 96; 0;43006
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
20; 7239.2; 22-MAY-2010 13:39:08; Dark ; 50.5; 75; 26Eps Sco ; 2.29; 4250;occ; 101; 0;43007
21; 7412.5; 22-MAY-2010 13:42:02; Dark ; 55.0; 16; 21Alp Sco ; 1.02; 3000;occ; 110; 0;43007
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 2; 1733.1; 22-MAY-2010 13:47:58; Bright; 38.0; 104; 27Bet Lib ; 2.61; 13100;occ; 76; 0;43007
 3; 1842.1; 22-MAY-2010 13:49:47; Bright; 44.5; 120; 1Del Oph ; 2.73; 3200;occ; 89; 0;43007
 4; 2027.3; 22-MAY-2010 13:52:52; Bright; 40.5; 102; 24Alp Ser ; 2.60; 4250;occ; 81; 0;43007
 5; 2371.2; 22-MAY-2010 13:58:36; Bright; 40.0; 83; ; 2.38; 11000;occ; 80; 0;43007
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 7; 3052.2; 22-MAY-2010 14:09:57; Bright; 42.0; 119; 14Eta Dra ; 2.73; 4700;occ; 84; 0;43007
 8; 3173.7; 22-MAY-2010 14:11:59; Bright; 39.0; 60; 7Bet UMi ; 2.08; 3950;occ; 78; 0;43007
 9; 3937.1; 22-MAY-2010 14:24:42; Bright; 37.5; 76; 27Gam Cas ; 2.30; 30000;occ; 75; 0;43007
10; 4009.5; 22-MAY-2010 14:25:55; Bright; 52.0; 68; 18Alp Cas ; 2.22; 4500;occ; 104; 0;43007
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12; 4793.8; 22-MAY-2010 14:38:59; Dark ; 46.5; 140; 88Gam Peg ; 2.83; 26000;occ; 93; 0;43007
13; 5761.5; 22-MAY-2010 14:55:07; Dark ; 50.0; 18; 24Alp PsA ; 1.17; 9700;occ; 100; 0;43007
14; 5915.9; 22-MAY-2010 14:57:41; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;43007
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18; 6838.5; 22-MAY-2010 15:13:04; Dark ; 44.0; 141; Bet Ara ; 2.84; 4600;occ; 88; 0;43008
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 5; 2027.2; 22-MAY-2010 15:33:28; Bright; 40.5; 102; 24Alp Ser ; 2.60; 4250;occ; 81; 0;43008
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12; 4530.2; 22-MAY-2010 16:15:11; Dark ; 46.5; 58; 21Alp And ; 2.07; 11000;occ; 93; 0;43008
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5; -1234.0; 24-MAY-2010 05:12:53; Dark ; 47.0; 140; 88Gam Peg ; 2.83; 26000;occ; 94; 0;43030
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8; -96.2; 24-MAY-2010 05:31:51; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;43030
9; 86.6; 24-MAY-2010 05:34:54; Dark ; 43.5; 31; Alp Gru ; 1.73; 15200;occ; 87; 0;43031
10; 408.1; 24-MAY-2010 05:40:15; Dark ; 41.5; 45; Alp Pav ; 1.94; 26000;occ; 83; 0;43031
11; 812.9; 24-MAY-2010 05:47:00; Dark ; 44.0; 141; Bet Ara ; 2.84; 4600;occ; 88; 0;43031
12; 980.1; 24-MAY-2010 05:49:48; Dark ; 49.0; 40; The Sco ; 1.86; 7100;occ; 98; 0;43031
13; 1090.6; 24-MAY-2010 05:51:38; Dark ; 49.0; 25; 35Lam Sco ; 1.62; 28000;occ; 98; 0;43031
14; 1212.0; 24-MAY-2010 05:53:39; Dark ; 45.5; 75; 26Eps Sco ; 2.29; 4250;occ; 91; 0;43031
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16; 1476.9; 24-MAY-2010 05:58:04; Bright; 47.5; 80; 7Del Sco ; 2.32; 30000;occ; 95; 0;43031
17; 1735.0; 24-MAY-2010 06:02:22; Bright; 35.0; 104; 27Bet Lib ; 2.61; 13100;occ; 70; 0;43031
18; 1839.7; 24-MAY-2010 06:04:07; Bright; 43.0; 120; 1Del Oph ; 2.73; 3200;occ; 86; 0;43031
19; 2023.9; 24-MAY-2010 06:07:11; Bright; 41.5; 102; 24Alp Ser ; 2.60; 4250;occ; 83; 0;43031
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21; 3042.9; 24-MAY-2010 06:24:10; Bright; 40.5; 119; 14Eta Dra ; 2.73; 4700;occ; 81; 0;43031
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5; 1527.3; 24-MAY-2010 21:04:18; Bright; 47.0; 97; 8Bet1Sco ; 2.56; 30000;occ; 94; 0;43040
6; 1735.4; 24-MAY-2010 21:07:46; Bright; 39.0; 104; 27Bet Lib ; 2.61; 13100;occ; 78; 0;43040
7; 1838.8; 24-MAY-2010 21:09:30; Bright; 44.0; 120; 1Del Oph ; 2.73; 3200;occ; 88; 0;43040
8; 2022.4; 24-MAY-2010 21:12:33; Bright; 40.0; 102; 24Alp Ser ; 2.60; 4250;occ; 80; 0;43040
9; 2369.2; 24-MAY-2010 21:18:20; Bright; 40.0; 83; ; 2.38; 11000;occ; 80; 0;43040
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11; 3170.9; 24-MAY-2010 21:31:42; Bright; 40.0; 60; 7Bet UMi ; 2.08; 3950;occ; 80; 0;43040
12; 3935.8; 24-MAY-2010 21:44:27; Bright; 35.5; 76; 27Gam Cas ; 2.30; 30000;occ; 71; 0;43040
13; 4007.6; 24-MAY-2010 21:45:38; Bright; 38.5; 68; 18Alp Cas ; 2.22; 4500;occ; 77; 0;43040
14; 4382.6; 24-MAY-2010 21:51:53; Bright; 38.5; 53; 43Bet And ; 2.05; 3300;occ; 77; 0;43040
15; 4535.6; 24-MAY-2010 21:54:26; Dark ; 51.0; 58; 21Alp And ; 2.07; 11000;occ; 102; 0;43040
16; 4805.9; 24-MAY-2010 21:58:57; Dark ; 45.0; 140; 88Gam Peg ; 2.83; 26000;occ; 90; 0;43040
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4; 95.3; 24-MAY-2010 22:21:02; Dark ; 42.5; 31; Alp Gru ; 1.73; 15200;occ; 85; 0;43041
5; 415.2; 24-MAY-2010 22:26:22; Dark ; 44.5; 45; Alp Pav ; 1.94; 26000;occ; 89; 0;43041
6; 817.2; 24-MAY-2010 22:33:04; Dark ; 42.5; 141; Bet Ara ; 2.84; 4600;occ; 85; 0;43041
7; 985.5; 24-MAY-2010 22:35:52; Dark ; 47.5; 40; The Sco ; 1.86; 7100;occ; 95; 0;43041
8; 1095.8; 24-MAY-2010 22:37:42; Dark ; 47.5; 25; 35Lam Sco ; 1.62; 28000;occ; 95; 0;43041
9; 1215.7; 24-MAY-2010 22:39:42; Dark ; 46.5; 75; 26Eps Sco ; 2.29; 4250;occ; 93; 0;43041
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13; 1838.7; 24-MAY-2010 22:50:05; Bright; 44.0; 120; 1Del Oph ; 2.73; 3200;occ; 88; 0;43041
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15; 2369.2; 24-MAY-2010 22:58:56; Bright; 39.5; 83; ; 2.38; 11000;occ; 79; 0;43041
16; 3039.0; 24-MAY-2010 23:10:06; Bright; 40.5; 119; 14Eta Dra ; 2.73; 4700;occ; 81; 0;43041
17; 3171.0; 24-MAY-2010 23:12:18; Bright; 38.5; 60; 7Bet UMi ; 2.08; 3950;occ; 77; 0;43041
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21; 4535.8; 24-MAY-2010 23:35:02; Dark ; 47.5; 58; 21Alp And ; 2.07; 11000;occ; 95; 0;43041
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 5; 415.9; 25-MAY-2010 00:06:58; Dark ; 42.0; 45; Alp Pav ; 1.94; 26000;occ; 84; 0;43042
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 9; 1215.9; 25-MAY-2010 00:20:18; Dark ; 49.5; 75; 26Eps Sco ; 2.29; 4250;occ; 99; 0;43042
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19; 4007.7; 25-MAY-2010 01:06:50; Bright; 38.5; 68; 18Alp Cas ; 2.22; 4500;occ; 77; 0;43042
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 6; -703.9; 24-MAY-2010 07:02:19; Dark ; 46.0; 52; 16Bet Cet ; 2.04; 4500;occ; 92; 0;43031
 7; -250.9; 24-MAY-2010 07:09:52; Dark ; 53.5; 18; 24Alp PsA ; 1.17; 9700;occ; 107; 0;43031
 8; -95.2; 24-MAY-2010 07:12:28; Dark ; 59.0; 0; ; 0.00; 0;occ; 118; 0;43031
 9; 87.5; 24-MAY-2010 07:15:31; Dark ; 44.0; 31; Alp Gru ; 1.73; 15200;occ; 88; 0;43032
10; 408.9; 24-MAY-2010 07:20:52; Dark ; 41.5; 45; Alp Pav ; 1.94; 26000;occ; 83; 0;43032
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12; 980.9; 24-MAY-2010 07:30:24; Dark ; 48.5; 40; The Sco ; 1.86; 7100;occ; 97; 0;43032
13; 1091.3; 24-MAY-2010 07:32:15; Dark ; 48.5; 25; 35Lam Sco ; 1.62; 28000;occ; 97; 0;43032
14; 1212.3; 24-MAY-2010 07:34:16; Dark ; 45.5; 75; 26Eps Sco ; 2.29; 4250;occ; 91; 0;43032
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13; 5785.9; 24-MAY-2010 08:50:29; Dark ; 53.5; 18; 24Alp PsA ; 1.17; 9700;occ; 107; 0;43032
14; 5881.2; 24-MAY-2010 08:52:05; Dark ; 43.5; 0; ; 0.00; 0;occ; 87; 0;43032

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 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  
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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  
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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  
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 13; 5334.2; 24-MAY-2010 15:25:21; Dark ; 49.5; 52; 16Bet Cet ; 2.04; 4500;occ; 99; 0;43036  
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 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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 3; 1735.3; 24-MAY-2010 16:05:58; Bright; 38.5; 104; 27Bet Lib ; 2.61; 13100;occ; 77; 0;43037  
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 6; 3040.4; 24-MAY-2010 16:27:43; Bright; 42.0; 119; 14Eta Dra ; 2.73; 4700;occ; 84; 0;43037  
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 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  
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 11; 4535.0; 24-MAY-2010 16:52:38; Dark ; 49.5; 58; 21Alp And ; 2.07; 11000;occ; 99; 0;43037  
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 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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 3; 1214.6; 24-MAY-2010 17:37:53; Dark ; 48.5; 75; 26Eps Sco ; 2.29; 4250;occ; 97; 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  
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 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
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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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 8; 2022.6; 24-MAY-2010 19:31:57; Bright; 39.5; 102; 24Alp Ser ; 2.60; 4250;occ; 79; 0;43039
 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
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 9; 97.7; 25-MAY-2010 03:22:52; Dark ; 43.5; 31; Alp Gru ; 1.73; 15200;occ; 87; 0;43044
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13; 1097.4; 25-MAY-2010 03:39:32; Dark ; 48.0; 25; 35Lam Sco ; 1.62; 28000;occ; 96; 0;43044
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 6; -698.2; 25-MAY-2010 04:50:12; Dark ; 44.5; 52; 16Bet Cet ; 2.04; 4500;occ; 89; 0;43044
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 2; -166.9; 25-MAY-2010 21:45:03; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;43054
 3; 3.4; 25-MAY-2010 21:47:53; Dark ; 51.5; 63; Bet Gru ; 2.15; 2800;occ; 103; 0;43054
 4; 107.6; 25-MAY-2010 21:49:37; Dark ; 43.5; 31; Alp Gru ; 1.73; 15200;occ; 87; 0;43055
 5; 425.1; 25-MAY-2010 21:54:55; Dark ; 42.5; 45; Alp Pav ; 1.94; 26000;occ; 85; 0;43055
 6; 823.4; 25-MAY-2010 22:01:33; Dark ; 48.0; 141; Bet Ara ; 2.84; 4600;occ; 96; 0;43055
 7; 993.1; 25-MAY-2010 22:04:23; Dark ; 47.0; 40; The Sco ; 1.86; 7100;occ; 94; 0;43055
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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
10; 1388.9; 25-MAY-2010 22:10:58; Dark ; 59.0; 16; 21Alp Sco ; 1.02; 3000;occ; 118; 0;43055
11; 1529.4; 25-MAY-2010 22:13:19; Bright; 42.0; 97; 8Bet1Sco ; 2.56; 30000;occ; 84; 0;43055
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14; 2020.7; 25-MAY-2010 22:21:30; Bright; 39.0; 102; 24Alp Ser ; 2.60; 4250;occ; 78; 0;43055
15; 2384.7; 25-MAY-2010 22:27:34; Bright; 41.0; 67; 5Alp CrB ; 2.22; 11000;occ; 82; 0;43055
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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21; 4538.2; 25-MAY-2010 23:03:28; Dark ; 50.0; 58; 21Alp And ; 2.07; 11000;occ; 100; 0;43055
22; 4811.9; 25-MAY-2010 23:08:01; Dark ; 48.0; 140; 88Gam Peg ; 2.83; 26000;occ; 96; 0;43055
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 3; 4.0; 25-MAY-2010 23:28:29; Dark ; 45.5; 63; Bet Gru ; 2.15; 2800;occ; 91; 0;43055
 4; 108.3; 25-MAY-2010 23:30:14; Dark ; 43.5; 31; Alp Gru ; 1.73; 15200;occ; 87; 0;43056
 5; 425.7; 25-MAY-2010 23:35:31; Dark ; 42.0; 45; Alp Pav ; 1.94; 26000;occ; 84; 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
17; 3170.0; 26-MAY-2010 00:21:15; Bright; 37.5; 60; 7Bet UMi ; 2.08; 3950;occ; 75; 0;43056
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
21; 4538.7; 26-MAY-2010 00:44:04; Dark ; 49.0; 58; 21Alp And ; 2.07; 11000;occ; 98; 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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14; 6034.6; 25-MAY-2010 11:44:13; Dark ; 59.0; 63; Bet Gru ; 2.15; 2800;occ; 118; 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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6; 3170.4; 25-MAY-2010 12:37:04; Bright; 38.0; 60; 7Bet UMi ; 2.08; 3950;occ; 76; 0;43049
7; 3935.7; 25-MAY-2010 12:49:50; Bright; 35.0; 76; 27Gam Cas ; 2.30; 30000;occ; 70; 0;43049
8; 4007.2; 25-MAY-2010 12:51:01; Bright; 40.0; 68; 18Alp Cas ; 2.22; 4500;occ; 80; 0;43049
9; 4383.6; 25-MAY-2010 12:57:18; Bright; 39.0; 53; 43Bet And ; 2.05; 3300;occ; 78; 0;43049
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13; 5866.1; 25-MAY-2010 13:22:00; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;43049
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15; 6138.8; 25-MAY-2010 13:26:33; Dark ; 46.0; 31; Alp Gru ; 1.73; 15200;occ; 92; 0;43050
16; 6457.6; 25-MAY-2010 13:31:52; Dark ; 41.0; 45; Alp Pav ; 1.94; 26000;occ; 82; 0;43050
17; 6857.1; 25-MAY-2010 13:38:31; Dark ; 43.5; 141; Bet Ara ; 2.84; 4600;occ; 87; 0;43050
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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
7; 3170.3; 25-MAY-2010 14:17:40; Bright; 42.0; 60; 7Bet UMi ; 2.08; 3950;occ; 84; 0;43050
8; 3935.9; 25-MAY-2010 14:30:26; Bright; 39.5; 76; 27Gam Cas ; 2.30; 30000;occ; 79; 0;43050
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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13; 5340.6; 25-MAY-2010 14:53:50; Dark ; 45.5; 52; 16Bet Cet ; 2.04; 4500;occ; 91; 0;43050
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16; 6458.4; 25-MAY-2010 15:12:28; Dark ; 41.5; 45; Alp Pav ; 1.94; 26000;occ; 83; 0;43051
17; 6857.5; 25-MAY-2010 15:19:07; Dark ; 41.5; 141; Bet Ara ; 2.84; 4600;occ; 83; 0;43051
18; 7026.5; 25-MAY-2010 15:21:56; Dark ; 47.0; 40; The Sco ; 1.86; 7100;occ; 94; 0;43051
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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 3; 1736.6; 25-MAY-2010 15:34:22; Bright; 38.5; 104; 27Bet Lib ; 2.61; 13100;occ; 77; 0;43051  
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 11; 3034.5; 25-MAY-2010 20:57:48; Bright; 42.0; 119; 14Eta Dra ; 2.73; 4700;occ; 84; 0;43054  
 12; 3170.1; 25-MAY-2010 21:00:04; Bright; 38.0; 60; 7Bet UMi ; 2.08; 3950;occ; 76; 0;43054  
 13; 3935.7; 25-MAY-2010 21:12:49; Bright; 54.0; 76; 27Gam Cas ; 2.30; 30000;occ; 108; 0;43054  
 14; 4006.8; 25-MAY-2010 21:14:00; Bright; 39.0; 68; 18Alp Cas ; 2.22; 4500;occ; 78; 0;43054  
 15; 4384.2; 25-MAY-2010 21:20:18; Bright; 39.5; 53; 43Bet And ; 2.05; 3300;occ; 79; 0;43054  
 16; 4538.4; 25-MAY-2010 21:22:52; Dark ; 49.0; 58; 21Alp And ; 2.07; 11000;occ; 98; 0;43054  
 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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1; 1233.7; 25-MAY-2010 17:06:35; Dark ; 49.0; 75; 26Eps Sco ; 2.29; 4250;occ; 98; 28;43052  
 2; 1388.5; 25-MAY-2010 17:09:10; Dark ; 59.0; 16; 21Alp Sco ; 1.02; 3000;occ; 118; 0;43052  
 3; 1529.3; 25-MAY-2010 17:11:31; Bright; 41.0; 97; 8Bet1Sco ; 2.56; 30000;occ; 82; 0;43052  
 4; 1736.8; 25-MAY-2010 17:14:59; Bright; 38.0; 104; 27Bet Lib ; 2.61; 13100;occ; 76; 0;43052  
 5; 1838.1; 25-MAY-2010 17:16:40; Bright; 43.0; 120; 1Del Oph ; 2.73; 3200;occ; 86; 0;43052  
 6; 2021.4; 25-MAY-2010 17:19:43; Bright; 39.0; 102; 24Alp Ser ; 2.60; 4250;occ; 78; 0;43052  
 7; 2385.8; 25-MAY-2010 17:25:48; Bright; 40.5; 67; 5Alp CrB ; 2.22; 11000;occ; 81; 0;43052  
 8; 3035.4; 25-MAY-2010 17:36:37; Bright; 40.0; 119; 14Eta Dra ; 2.73; 4700;occ; 80; 0;43052  
 9; 3170.3; 25-MAY-2010 17:38:52; Bright; 34.5; 60; 7Bet UMi ; 2.08; 3950;occ; 69; 0;43052  
 10; 3935.4; 25-MAY-2010 17:51:37; Bright; 54.0; 76; 27Gam Cas ; 2.30; 30000;occ; 108; 0;43052  
 11; 4007.4; 25-MAY-2010 17:52:49; Bright; 39.0; 68; 18Alp Cas ; 2.22; 4500;occ; 78; 0;43052  
 12; 4384.2; 25-MAY-2010 17:59:06; Bright; 39.5; 53; 43Bet And ; 2.05; 3300;occ; 79; 0;43052  
 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  
 15; 5342.1; 25-MAY-2010 18:15:04; Dark ; 47.0; 52; 16Bet Cet ; 2.04; 4500;occ; 94; 0;43052  
 16; 5868.0; 25-MAY-2010 18:23:50; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;43052  
 17; 6038.0; 25-MAY-2010 18:26:40; Dark ; 46.5; 63; Bet Gru ; 2.15; 2800;occ; 93; 0;43052  
 18; 6141.8; 25-MAY-2010 18:28:24; Dark ; 44.0; 31; Alp Gru ; 1.73; 15200;occ; 88; 0;43053  
 19; 6459.8; 25-MAY-2010 18:33:42; Dark ; 42.0; 45; Alp Pav ; 1.94; 26000;occ; 84; 0;43053  
 20; 6858.6; 25-MAY-2010 18:40:20; Dark ; 45.5; 141; Bet Ara ; 2.84; 4600;occ; 91; 0;43053

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1; 992.0; 25-MAY-2010 18:43:10; Dark ; 50.0; 40; The Sco ; 1.86; 7100;occ; 100; 0;43053  
 2; 1102.2; 25-MAY-2010 18:45:00; Dark ; 51.5; 25; 35Lam Sco ; 1.62; 28000;occ; 103; 0;43053  
 3; 1220.3; 25-MAY-2010 18:46:58; Dark ; 46.5; 75; 26Eps Sco ; 2.29; 4250;occ; 93; 0;43053  
 4; 1388.6; 25-MAY-2010 18:49:46; Dark ; 54.0; 16; 21Alp Sco ; 1.02; 3000;occ; 108; 0;43053  
 5; 1529.5; 25-MAY-2010 18:52:07; Bright; 44.0; 97; 8Bet1Sco ; 2.56; 30000;occ; 88; 0;43053  
 6; 1737.1; 25-MAY-2010 18:55:35; Bright; 37.5; 104; 27Bet Lib ; 2.61; 13100;occ; 75; 0;43053

7; 1837.8; 25-MAY-2010 18:57:16; Bright; 44.5; 120; 1Del Oph ; 2.73; 3200;occ; 89; 0;43053  
8; 2020.8; 25-MAY-2010 19:00:19; Bright; 39.0; 102; 24Alp Ser ; 2.60; 4250;occ; 78; 0;43053  
9; 2385.2; 25-MAY-2010 19:06:23; Bright; 40.5; 67; 5Alp CrB ; 2.22; 11000;occ; 81; 0;43053  
10; 3034.8; 25-MAY-2010 19:17:13; Bright; 41.5; 119; 14Eta Dra ; 2.73; 4700;occ; 83; 0;43053  
11; 3170.1; 25-MAY-2010 19:19:28; Bright; 40.0; 60; 7Bet UMi ; 2.08; 3950;occ; 80; 0;43053  
12; 3935.5; 25-MAY-2010 19:32:13; Bright; 54.0; 76; 27Gam Cas ; 2.30; 30000;occ; 108; 0;43053  
13; 4007.0; 25-MAY-2010 19:33:25; Bright; 36.0; 68; 18Alp Cas ; 2.22; 4500;occ; 72; 0;43053  
14; 4384.7; 25-MAY-2010 19:39:42; Bright; 39.0; 53; 43Bet And ; 2.05; 3300;occ; 78; 0;43053  
15; 4538.1; 25-MAY-2010 19:42:16; Dark ; 51.5; 58; 21Alp And ; 2.07; 11000;occ; 103; 0;43053  
16; 4811.2; 25-MAY-2010 19:46:49; Dark ; 45.5; 140; 88Gam Peg ; 2.83; 26000;occ; 91; 0;43053  
17; 5342.1; 25-MAY-2010 19:55:40; Dark ; 47.0; 52; 16Bet Cet ; 2.04; 4500;occ; 94; 0;43053  
18; 5868.5; 25-MAY-2010 20:04:26; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;43053  
19; 6038.5; 25-MAY-2010 20:07:16; Dark ; 57.0; 63; Bet Gru ; 2.15; 2800;occ; 114; 0;43053  
20; 6142.8; 25-MAY-2010 20:09:01; Dark ; 44.5; 31; Alp Gru ; 1.73; 15200;occ; 89; 0;43054  
21; 6460.1; 25-MAY-2010 20:14:18; Dark ; 42.5; 45; Alp Pav ; 1.94; 26000;occ; 85; 0;43054  
22; 6859.0; 25-MAY-2010 20:20:57; Dark ; 46.5; 141; Bet Ara ; 2.84; 4600;occ; 93; 0;43054

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1; -692.3; 26-MAY-2010 00:57:29; Dark ; 43.5; 52; 16Bet Cet ; 2.04; 4500;occ; 87; 0;43056  
2; -165.8; 26-MAY-2010 01:06:16; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;43056  
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  
6; 824.2; 26-MAY-2010 01:22:46; Dark ; 44.5; 141; Bet Ara ; 2.84; 4600;occ; 89; 0;43057  
7; 993.8; 26-MAY-2010 01:25:35; Dark ; 48.5; 40; The Sco ; 1.86; 7100;occ; 97; 0;43057  
8; 1103.7; 26-MAY-2010 01:27:25; Dark ; 49.0; 25; 35Lam Sco ; 1.62; 28000;occ; 98; 0;43057  
9; 1221.6; 26-MAY-2010 01:29:23; Dark ; 49.5; 75; 26Eps Sco ; 2.29; 4250;occ; 99; 0;43057  
10; 1349.8; 26-MAY-2010 01:31:31; Dark ; 44.5; 136; 23Tau Sco ; 2.82; 30000;occ; 89; 0;43057  
11; 1530.1; 26-MAY-2010 01:34:31; Bright; 39.5; 97; 8Bet1Sco ; 2.56; 30000;occ; 79; 0;43057  
12; 1737.4; 26-MAY-2010 01:37:59; Bright; 37.0; 104; 27Bet Lib ; 2.61; 13100;occ; 74; 0;43057  
13; 1837.4; 26-MAY-2010 01:39:39; Bright; 43.0; 120; 1Del Oph ; 2.73; 3200;occ; 86; 0;43057  
14; 2020.5; 26-MAY-2010 01:42:42; Bright; 39.0; 102; 24Alp Ser ; 2.60; 4250;occ; 78; 0;43057  
15; 2384.3; 26-MAY-2010 01:48:46; Bright; 39.0; 67; 5Alp CrB ; 2.22; 11000;occ; 78; 0;43057  
16; 3033.3; 26-MAY-2010 01:59:35; Bright; 40.0; 119; 14Eta Dra ; 2.73; 4700;occ; 80; 0;43057  
17; 3169.6; 26-MAY-2010 02:01:51; Bright; 34.5; 60; 7Bet UMi ; 2.08; 3950;occ; 69; 0;43057  
18; 3935.2; 26-MAY-2010 02:14:36; Bright; 54.0; 76; 27Gam Cas ; 2.30; 30000;occ; 108; 0;43057  
19; 4006.7; 26-MAY-2010 02:15:48; Bright; 54.5; 68; 18Alp Cas ; 2.22; 4500;occ; 109; 0;43057  
20; 4384.6; 26-MAY-2010 02:22:06; Bright; 39.5; 53; 43Bet And ; 2.05; 3300;occ; 79; 0;43057  
21; 4538.9; 26-MAY-2010 02:24:40; Dark ; 47.5; 58; 21Alp And ; 2.07; 11000;occ; 95; 0;43057  
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  
25; 6041.5; 26-MAY-2010 02:49:43; Dark ; 49.5; 63; Bet Gru ; 2.15; 2800;occ; 99; 0;43057  
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  
29; 7030.3; 26-MAY-2010 03:06:12; Dark ; 46.5; 40; The Sco ; 1.86; 7100;occ; 93; 0;43058  
30; 7140.2; 26-MAY-2010 03:08:02; Dark ; 48.0; 25; 35Lam Sco ; 1.62; 28000;occ; 96; 0;43058  
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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1; 824.2; 26-MAY-2010 01:22:46; Dark ; 44.5; 141; Bet Ara ; 2.84; 4600;occ; 89; 0;43057  
2; 993.8; 26-MAY-2010 01:25:35; Dark ; 48.5; 40; The Sco ; 1.86; 7100;occ; 97; 0;43057  
3; 1103.7; 26-MAY-2010 01:27:25; Dark ; 49.0; 25; 35Lam Sco ; 1.62; 28000;occ; 98; 0;43057  
4; 1221.6; 26-MAY-2010 01:29:23; Dark ; 49.5; 75; 26Eps Sco ; 2.29; 4250;occ; 99; 0;43057  
5; 1349.8; 26-MAY-2010 01:31:31; Dark ; 44.5; 136; 23Tau Sco ; 2.82; 30000;occ; 89; 0;43057  
6; 1530.1; 26-MAY-2010 01:34:31; Bright; 39.5; 97; 8Bet1Sco ; 2.56; 30000;occ; 79; 0;43057  
7; 1737.4; 26-MAY-2010 01:37:59; Bright; 37.0; 104; 27Bet Lib ; 2.61; 13100;occ; 74; 0;43057  
8; 1837.4; 26-MAY-2010 01:39:39; Bright; 43.0; 120; 1Del Oph ; 2.73; 3200;occ; 86; 0;43057  
9; 2020.5; 26-MAY-2010 01:42:42; Bright; 39.0; 102; 24Alp Ser ; 2.60; 4250;occ; 78; 0;43057  
10; 2384.3; 26-MAY-2010 01:48:46; Bright; 39.0; 67; 5Alp CrB ; 2.22; 11000;occ; 78; 0;43057  
11; 3033.3; 26-MAY-2010 01:59:35; Bright; 40.0; 119; 14Eta Dra ; 2.73; 4700;occ; 80; 0;43057  
12; 3169.6; 26-MAY-2010 02:01:51; Bright; 34.5; 60; 7Bet UMi ; 2.08; 3950;occ; 69; 0;43057  
13; 3935.2; 26-MAY-2010 02:14:36; Bright; 54.0; 76; 27Gam Cas ; 2.30; 30000;occ; 108; 0;43057  
14; 4006.7; 26-MAY-2010 02:15:48; Bright; 54.5; 68; 18Alp Cas ; 2.22; 4500;occ; 109; 0;43057

15; 4384.6; 26-MAY-2010 02:22:06; Bright; 39.5; 53; 43Bet And ; 2.05; 3300;occ; 79; 0;43057  
 16; 4538.9; 26-MAY-2010 02:24:40; Dark ; 47.5; 58; 21Alp And ; 2.07; 11000;occ; 95; 0;43057  
 17; 4812.8; 26-MAY-2010 02:29:14; Dark ; 44.5; 140; 88Gam Peg ; 2.83; 26000;occ; 89; 0;43057  
 18; 5344.0; 26-MAY-2010 02:38:05; Dark ; 44.0; 52; 16Bet Cet ; 2.04; 4500;occ; 88; 0;43057  
 19; 5870.7; 26-MAY-2010 02:46:52; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;43057  
 20; 6041.5; 26-MAY-2010 02:49:43; Dark ; 49.5; 63; Bet Gru ; 2.15; 2800;occ; 99; 0;43057  
 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  
 24; 7030.3; 26-MAY-2010 03:06:12; Dark ; 46.5; 40; The Sco ; 1.86; 7100;occ; 93; 0;43058  
 25; 7140.2; 26-MAY-2010 03:08:02; Dark ; 48.0; 25; 35Lam Sco ; 1.62; 28000;occ; 96; 0;43058  
 26; 7258.1; 26-MAY-2010 03:09:59; Dark ; 46.0; 75; 26Eps Sco ; 2.29; 4250;occ; 92; 0;43058  
 27; 7386.2; 26-MAY-2010 03:12:07; Dark ; 48.0; 136; 23Tau Sco ; 2.82; 30000;occ; 96; 0;43058  
 28; 7566.0; 26-MAY-2010 03:15:07; Bright; 40.5; 97; 8Bet1Sco ; 2.56; 30000;occ; 81; 0;43058  
 29; 7773.2; 26-MAY-2010 03:18:35; Bright; 37.5; 104; 27Bet Lib ; 2.61; 13100;occ; 75; 0;43058  
 30; 8056.2; 26-MAY-2010 03:23:17; Bright; 39.5; 102; 24Alp Ser ; 2.60; 4250;occ; 79; 0;43058  
 31; 8419.9; 26-MAY-2010 03:29:21; Bright; 11.5; 67; 5Alp CrB ; 2.22; 11000;occ; 23; 0;43058

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1;-3002.9; 26-MAY-2010 03:40:10; Bright; 41.0; 119; 14Eta Dra ; 2.73; 4700;occ; 82; 0;43058  
 2;-2866.3; 26-MAY-2010 03:42:27; Bright; 35.5; 60; 7Bet UMi ; 2.08; 3950;occ; 71; 0;43058  
 3;-2100.6; 26-MAY-2010 03:55:13; Bright; 54.0; 76; 27Gam Cas ; 2.30; 30000;occ; 108; 0;43058  
 4;-2029.2; 26-MAY-2010 03:56:24; Bright; 38.5; 68; 18Alp Cas ; 2.22; 4500;occ; 77; 0;43058  
 5;-1651.2; 26-MAY-2010 04:02:42; Bright; 40.0; 53; 43Bet And ; 2.05; 3300;occ; 80; 0;43058  
 6;-1497.0; 26-MAY-2010 04:05:16; Dark ; 52.5; 58; 21Alp And ; 2.07; 11000;occ; 105; 0;43058  
 7;-1222.9; 26-MAY-2010 04:09:50; Dark ; 46.5; 140; 88Gam Peg ; 2.83; 26000;occ; 93; 0;43058  
 8; -691.4; 26-MAY-2010 04:18:42; Dark ; 45.0; 52; 16Bet Cet ; 2.04; 4500;occ; 90; 0;43058  
 9; -164.6; 26-MAY-2010 04:27:29; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;43058  
 10; 6.5; 26-MAY-2010 04:30:20; Dark ; 55.5; 63; Bet Gru ; 2.15; 2800;occ; 111; 0;43058  
 11; 111.0; 26-MAY-2010 04:32:04; Dark ; 43.0; 31; Alp Gru ; 1.73; 15200;occ; 86; 0;43059  
 12; 427.8; 26-MAY-2010 04:37:21; Dark ; 42.0; 45; Alp Pav ; 1.94; 26000;occ; 84; 0;43059  
 13; 825.3; 26-MAY-2010 04:43:59; Dark ; 45.0; 141; Bet Ara ; 2.84; 4600;occ; 90; 0;43059  
 14; 994.9; 26-MAY-2010 04:46:48; Dark ; 49.5; 40; The Sco ; 1.86; 7100;occ; 99; 0;43059  
 15; 1105.0; 26-MAY-2010 04:48:38; Dark ; 50.0; 25; 35Lam Sco ; 1.62; 28000;occ; 100; 0;43059  
 16; 1222.4; 26-MAY-2010 04:50:36; Dark ; 47.5; 75; 26Eps Sco ; 2.29; 4250;occ; 95; 0;43059  
 17; 1350.7; 26-MAY-2010 04:52:44; Dark ; 44.0; 136; 23Tau Sco ; 2.82; 30000;occ; 88; 0;43059  
 18; 1530.4; 26-MAY-2010 04:55:44; Bright; 42.0; 97; 8Bet1Sco ; 2.56; 30000;occ; 84; 0;43059  
 19; 1737.3; 26-MAY-2010 04:59:11; Bright; 39.0; 104; 27Bet Lib ; 2.61; 13100;occ; 78; 0;43059  
 20; 2020.3; 26-MAY-2010 05:03:53; Bright; 39.0; 102; 24Alp Ser ; 2.60; 4250;occ; 78; 0;43059  
 21; 2384.0; 26-MAY-2010 05:09:57; Bright; 39.5; 67; 5Alp CrB ; 2.22; 11000;occ; 79; 0;43059  
 22; 3032.8; 26-MAY-2010 05:20:46; Bright; 42.0; 119; 14Eta Dra ; 2.73; 4700;occ; 84; 0;43059  
 23; 3169.7; 26-MAY-2010 05:23:03; Bright; 38.5; 60; 7Bet UMi ; 2.08; 3950;occ; 77; 0;43059

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1;-2100.8; 26-MAY-2010 05:35:48; Bright; 54.0; 76; 27Gam Cas ; 2.30; 30000;occ; 108; 0;43059  
 2;-2029.2; 26-MAY-2010 05:37:00; Bright; 55.0; 68; 18Alp Cas ; 2.22; 4500;occ; 110; 0;43059  
 3;-1651.1; 26-MAY-2010 05:43:18; Bright; 40.0; 53; 43Bet And ; 2.05; 3300;occ; 80; 0;43059  
 4;-1496.7; 26-MAY-2010 05:45:52; Dark ; 51.5; 58; 21Alp And ; 2.07; 11000;occ; 103; 0;43059  
 5;-1222.6; 26-MAY-2010 05:50:27; Dark ; 49.0; 140; 88Gam Peg ; 2.83; 26000;occ; 98; 0;43059  
 6; -690.9; 26-MAY-2010 05:59:18; Dark ; 44.5; 52; 16Bet Cet ; 2.04; 4500;occ; 89; 0;43059  
 7; -164.0; 26-MAY-2010 06:08:05; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;43059  
 8; 7.2; 26-MAY-2010 06:10:56; Dark ; 46.5; 63; Bet Gru ; 2.15; 2800;occ; 93; 0;43059  
 9; 111.4; 26-MAY-2010 06:12:41; Dark ; 46.5; 31; Alp Gru ; 1.73; 15200;occ; 93; 0;43060  
 10; 428.5; 26-MAY-2010 06:17:58; Dark ; 42.5; 45; Alp Pav ; 1.94; 26000;occ; 85; 0;43060  
 11; 825.5; 26-MAY-2010 06:24:35; Dark ; 44.0; 141; Bet Ara ; 2.84; 4600;occ; 88; 0;43060  
 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  
 14; 1222.5; 26-MAY-2010 06:31:12; Dark ; 46.5; 75; 26Eps Sco ; 2.29; 4250;occ; 93; 0;43060  
 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  
 17; 1737.3; 26-MAY-2010 06:39:46; Bright; 9.0; 104; 27Bet Lib ; 2.61; 13100;occ; 18; 0;43060  
 18; 2020.4; 26-MAY-2010 06:44:30; Bright; 38.5; 102; 24Alp Ser ; 2.60; 4250;occ; 77; 0;43060  
 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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7; -163.4; 26-MAY-2010 07:48:42; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;43060
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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14; 1222.8; 26-MAY-2010 08:11:48; Dark ; 46.5; 75; 26Eps Sco ; 2.29; 4250;occ; 93; 0;43061
15; 1351.3; 26-MAY-2010 08:13:56; Dark ; 45.5; 136; 23Tau Sco ; 2.82; 30000;occ; 91; 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
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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
9; 4539.4; 26-MAY-2010 09:07:05; Dark ; 51.0; 58; 21Alp And ; 2.07; 11000;occ; 102; 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
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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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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
18; 7142.7; 26-MAY-2010 11:31:04; Dark ; 49.5; 25; 35Lam Sco ; 1.62; 28000;occ; 99; 0;43063
19; 7259.5; 26-MAY-2010 11:33:01; Dark ; 48.5; 75; 26Eps Sco ; 2.29; 4250;occ; 97; 0;43063
20; 7387.4; 26-MAY-2010 11:35:08; Dark ; 43.5; 136; 23Tau Sco ; 2.82; 30000;occ; 87; 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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 13; 6046.3; 26-MAY-2010 12:53:23; Dark ; 45.0; 63; Bet Gru ; 2.15; 2800;occ; 90; 0;43064  
 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  
 17; 7033.8; 26-MAY-2010 13:09:51; Dark ; 48.5; 40; The Sco ; 1.86; 7100;occ; 97; 0;43064  
 18; 7143.7; 26-MAY-2010 13:11:41; Dark ; 47.0; 25; 35Lam Sco ; 1.62; 28000;occ; 94; 0;43064  
 19; 7260.5; 26-MAY-2010 13:13:37; Dark ; 47.0; 75; 26Eps Sco ; 2.29; 4250;occ; 94; 0;43064  
 20; 7388.4; 26-MAY-2010 13:15:45; Dark ; 44.0; 136; 23Tau Sco ; 2.82; 30000;occ; 88; 0;43064  
 21; 7567.7; 26-MAY-2010 13:18:45; Bright; 39.0; 97; 8Bet1Sco ; 2.56; 30000;occ; 78; 0;43064

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 3; 1837.4; 26-MAY-2010 13:23:50; Bright; 43.5; 120; 1Del Oph ; 2.73; 3200;occ; 87; 0;43064  
 4; 2020.5; 26-MAY-2010 13:26:53; Bright; 38.5; 102; 24Alp Ser ; 2.60; 4250;occ; 77; 0;43064  
 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  
 10; 4386.4; 26-MAY-2010 14:06:19; Bright; 39.0; 53; 43Bet And ; 2.05; 3300;occ; 78; 0;43064  
 11; 4541.2; 26-MAY-2010 14:08:54; Dark ; 49.5; 58; 21Alp And ; 2.07; 11000;occ; 99; 0;43064  
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 16; 6152.6; 26-MAY-2010 14:35:45; Dark ; 43.0; 31; Alp Gru ; 1.73; 15200;occ; 86; 0;43065  
 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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