

GOMOS Daily Report 08-MAY-2010

Level 0 and Level 1 products

SUMMARY

[1. General Info](#)

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

[2.1 Level 0: products arrived in PCF during current month \(see template here\)](#)

[2.2 Level 0: plot of mission plan versus production during reporting period](#)

[2.3 Level 0: summary of missing occultations with respect to the plan](#)

[2.4 Level 1: products arrived in PCF during reporting period](#)

[3. Plot of Spectrometers and Photometers temperatures](#)

[4. Dark Charge monitoring](#)

[4.1 Products that did not use the Dark Sky Area observation for DC computation](#)

[4.2 Plot of Dark Charge](#)

[5. Demodulation correction and quality product information monitoring](#)

[5.1 Percentage of products with some flags set](#)

[5.2 Plot of quality information per product \(time dependant\)](#)

[5.3 Plot of quality information per product \(world map\)](#)

[6. Star tangent altitude lost](#)

[6.1 Statistics on star tangent altitude lost](#)

[6.2 Plot of star tangent altitude lost: DARK products](#)

[6.3 Plot of star tangent altitude lost: BRIGHT products](#)

[6.3 Plot of star tangent altitude lost: TWILIGHT products](#)

[7. Star Acquisition and Tracking Unit \(SATU\)](#)

[7.1 SATU plots \(dark limb\): 'X' and 'Y' axis](#)

[7.2 SATU Noise Equivalent Angle statistics](#)

[7.2.1 SATU NEA Statistics \(table\)](#)

[7.2.2 Daily SATU NEA STD \(dark limb\) - trend since 1st April 2006](#)

[8. Auxiliary Data Files used for the production reported in section 2.4](#)

[Level 2 products](#)

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	11MAY2010 04:52:22
Data source version	GOMOS/5.00L04
Start time of products	08MAY2010 00:00:01
Stop time of products	08MAY2010 23:55:44
Store outputs in DB	Yes
Nb of level 1b prods	120
Nb of prods with errors	0

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

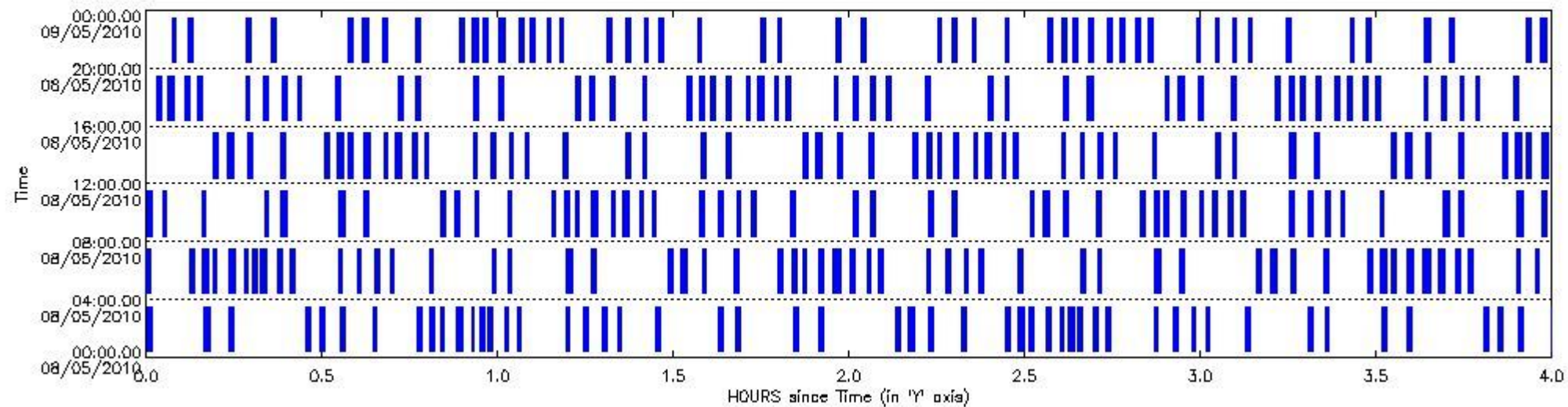
2.1 Level 0 products arrived in PCF (see template [here](#))

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

Red segments are missing products.

Blue segments are available products.

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



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

No missing products.

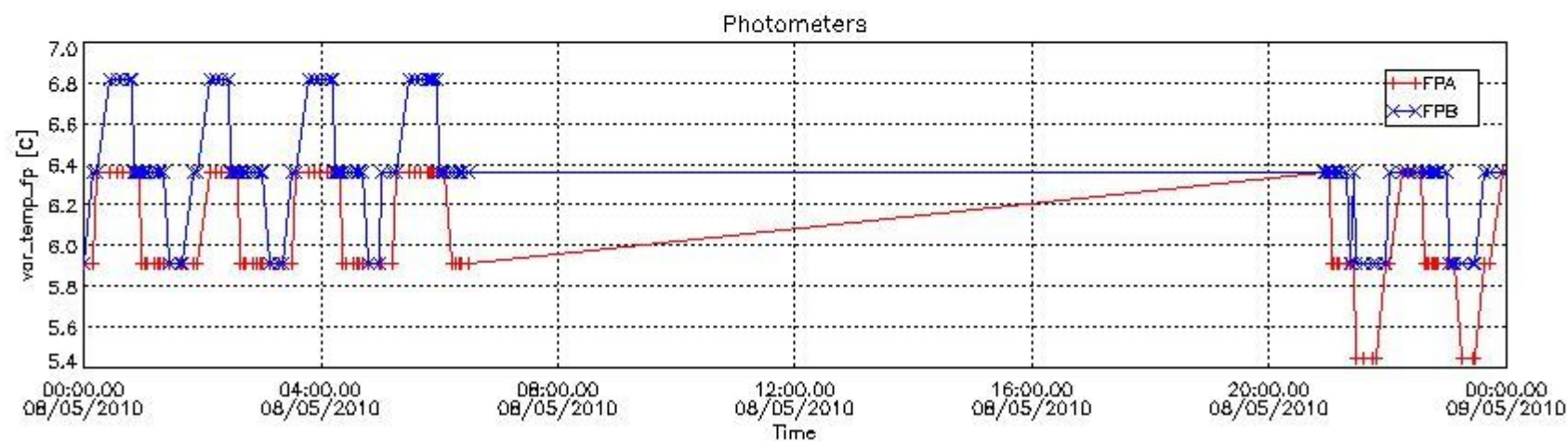
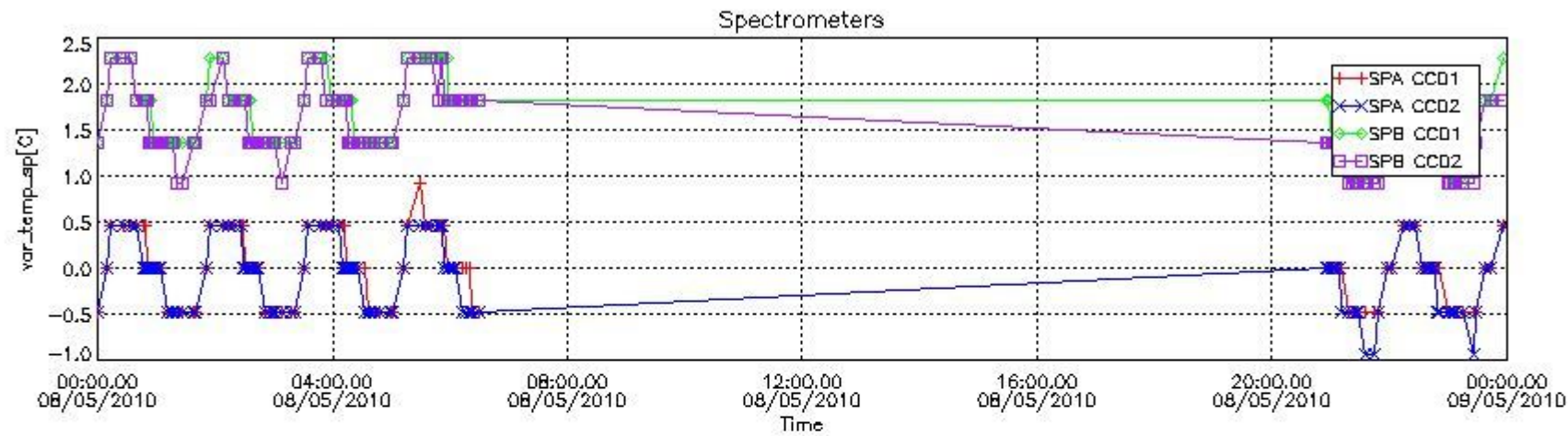
2.4 Summary of processed GOM_TRA_1P products

Nr	Filename	UTC Start time	Limb	Duration	Star Id	Star Name	Star Mag	Star Temp	Nb Meas	Orbit	Prod. error
1	GOM_TRA_1PNPDE20100508_000001_000000492089_00159_42798_9584.N1	08-MAY-2010 00:00:01	Bright	49.000	74	11Bet Cas	2.2680	6600.0	98	42798	No
2	GOM_TRA_1PNPDE20100508_000951_000000542089_00159_42798_9585.N1	08-MAY-2010 00:09:51	Twilight_and_stray	54.000	93	53Bet Peg	2.5200	3100.0	108	42798	No
3	GOM_TRA_1PNPDE20100508_001404_000000472089_00159_42798_9586.N1	08-MAY-2010 00:14:04	Dark	47.000	90	54Alp Peg	2.4870	11000.	94	42798	No
4	GOM_TRA_1PNPDE20100508_002712_000000472089_00159_42798_9588.N1	08-MAY-2010 00:27:12	Dark	46.500	18	24Alp PsA	1.1660	9700.0	93	42798	No
5	GOM_TRA_1PNPDE20100508_003303_000000472089_00159_42798_9589.N1	08-MAY-2010 00:33:03	Dark	46.500	31	Alp Gru	1.7340	15200.	93	42798	No
6	GOM_TRA_1PNPDE20100508_003838_000000412089_00160_42799_9590.N1	08-MAY-2010 00:38:38	Dark	40.500	45	Alp Pav	1.9400	26000.	81	42799	No
7	GOM_TRA_1PNPDE20100508_004607_000000532089_00160_42799_9591.N1	08-MAY-2010 00:46:07	Straylight	52.500	141	Bet Ara	2.8400	4600.0	105	42799	No
8	GOM_TRA_1PNPDE20100508_004821_000000552089_00160_42799_9592.N1	08-MAY-2010 00:48:21	Straylight	54.500	40	The Sco	1.8590	7100.0	109	42799	No
9	GOM_TRA_1PNPDE20100508_005011_000000342089_00160_42799_9593.N1	08-MAY-2010 00:50:11	Straylight	34.000	25	35Lam Sco	1.6200	28000.	68	42799	No
10	GOM_TRA_1PNPDE20100508_005256_000000582089_00160_42799_9594.N1	08-MAY-2010 00:52:56	Straylight	57.500	75	26Eps Sco	2.2910	4250.0	115	42799	No
11	GOM_TRA_1PNPDE20100508_005531_000000252089_00160_42799_9595.N1	08-MAY-2010 00:55:31	Twilight_and_stray	25.000	136	23Tau Sco	2.8220	30000.	50	42799	No
12	GOM_TRA_1PNPDE20100508_005651_000000552089_00160_42799_9596.N1	08-MAY-2010 00:56:51	Twilight_and_stray	55.000	156	20Sig Sco	2.9030	28000.	110	42799	No

13	GOM_TRA_1PNPDE20100508_005819_000000532089_00160_42799_9597.N1	08-MAY-2010 00:58:19	Bright	52.500	80	7Del Sco	2.3160	30000.	105	42799	No
14	GOM_TRA_1PNPDE20100508_010113_000000412089_00160_42799_9598.N1	08-MAY-2010 01:01:13	Bright	40.500	122	9Alp2Lib	2.7470	9700.0	81	42799	No
15	GOM_TRA_1PNPDE20100508_010317_000000452089_00160_42799_9599.N1	08-MAY-2010 01:03:17	Bright	44.500	104	27Bet Lib	2.6140	13100.	89	42799	No
16	GOM_TRA_1PNPDE20100508_011134_000000372089_00160_42799_9600.N1	08-MAY-2010 01:11:34	Bright	37.000	111	8Eta Boo	2.6800	6000.0	74	42799	No
17	GOM_TRA_1PNPDE20100508_011445_000000422089_00160_42799_9601.N1	08-MAY-2010 01:14:45	Bright	41.500	83		2.3780	11000.	83	42799	No
18	GOM_TRA_1PNPDE20100508_011750_000000412089_00160_42799_9602.N1	08-MAY-2010 01:17:50	Bright	41.000	180	27Gam Boo	3.0400	8000.0	82	42799	No
19	GOM_TRA_1PNPDE20100508_012025_000000382089_00160_42799_9603.N1	08-MAY-2010 01:20:25	Bright	38.000	39	85Eta UMa	1.8540	24000.	76	42799	No
20	GOM_TRA_1PNPDE20100508_012704_000000452089_00160_42799_9604.N1	08-MAY-2010 01:27:04	Bright	44.500	119	14Eta Dra	2.7270	4700.0	89	42799	No
21	GOM_TRA_1PNPDE20100508_013748_000000452089_00160_42799_9605.N1	08-MAY-2010 01:37:48	Bright	45.000	89	5Alp Cep	2.4510	8000.0	90	42799	No
22	GOM_TRA_1PNPDE20100508_014037_000000532089_00160_42799_9606.N1	08-MAY-2010 01:40:37	Bright	53.000	74	11Bet Cas	2.2680	6600.0	106	42799	No
23	GOM_TRA_1PNPDE20100508_015027_000000502089_00160_42799_9607.N1	08-MAY-2010 01:50:27	Tw_i_and_stray	49.500	93	53Bet Peg	2.5200	3100.0	99	42799	No
24	GOM_TRA_1PNPDE20100508_015441_000000492089_00160_42799_9608.N1	08-MAY-2010 01:54:41	Dark	49.000	90	54Alp Peg	2.4870	11000.	98	42799	No
25	GOM_TRA_1PNPDE20100508_020749_000000572089_00160_42799_9616.N1	08-MAY-2010 02:07:49	Dark	57.000	18	24Alp PsA	1.1660	9700.0	114	42799	No
26	GOM_TRA_1PNPDE20100508_021339_000000422089_00160_42799_9617.N1	08-MAY-2010 02:13:39	Dark	41.500	31	Alp Gru	1.7340	15200.	83	42799	No
27	GOM_TRA_1PNPDE20100508_021915_000000412089_00161_42800_9618.N1	08-MAY-2010 02:19:15	Dark	40.500	45	Alp Pav	1.9400	26000.	81	42800	No
28	GOM_TRA_1PNPDE20100508_022643_000000532089_00161_42800_9619.N1	08-MAY-2010 02:26:43	Straylight	52.500	141	Bet Ara	2.8400	4600.0	105	42800	No
29	GOM_TRA_1PNPDE20100508_022857_000000562089_00161_42800_9620.N1	08-MAY-2010 02:28:57	Straylight	55.500	40	The Sco	1.8590	7100.0	111	42800	No
30	GOM_TRA_1PNPDE20100508_023048_000000372089_00161_42800_9621.N1	08-MAY-2010 02:30:48	Straylight	37.000	25	35Lam Sco	1.6200	28000.	74	42800	No
31	GOM_TRA_1PNPDE20100508_023332_000000562089_00161_42800_9622.N1	08-MAY-2010 02:33:32	Straylight	56.000	75	26Eps Sco	2.2910	4250.0	112	42800	No
32	GOM_TRA_1PNPDE20100508_023608_000000292089_00161_42800_9623.N1	08-MAY-2010 02:36:08	Tw_i_and_stray	29.000	136	23Tau Sco	2.8220	30000.	58	42800	No
33	GOM_TRA_1PNPDE20100508_023728_000000562089_00161_42800_9624.N1	08-MAY-2010 02:37:28	Tw_i_and_stray	56.000	156	20Sig Sco	2.9030	28000.	112	42800	No
34	GOM_TRA_1PNPDE20100508_023856_000000562089_00161_42800_9625.N1	08-MAY-2010 02:38:56	Bright	55.500	80	7Del Sco	2.3160	30000.	111	42800	No
35	GOM_TRA_1PNPDE20100508_024149_000000422089_00161_42800_9626.N1	08-MAY-2010 02:41:49	Bright	42.000	122	9Alp2Lib	2.7470	9700.0	84	42800	No
36	GOM_TRA_1PNPDE20100508_024353_000000452089_00161_42800_9627.N1	08-MAY-2010 02:43:53	Bright	44.500	104	27Bet Lib	2.6140	13100.	89	42800	No
37	GOM_TRA_1PNPDE20100508_025210_000000362089_00161_42800_9628.N1	08-MAY-2010 02:52:10	Bright	36.000	111	8Eta Boo	2.6800	6000.0	72	42800	No
38	GOM_TRA_1PNPDE20100508_025521_000000452089_00161_42800_9629.N1	08-MAY-2010 02:55:21	Bright	45.000	83		2.3780	11000.	90	42800	No
39	GOM_TRA_1PNPDE20100508_025826_000000372089_00161_42800_9630.N1	08-MAY-2010 02:58:26	Bright	36.500	180	27Gam Boo	3.0400	8000.0	73	42800	No
40	GOM_TRA_1PNPDE20100508_030101_000000382089_00161_42800_9631.N1	08-MAY-2010 03:01:01	Bright	38.000	39	85Eta UMa	1.8540	24000.	76	42800	No
41	GOM_TRA_1PNPDE20100508_030740_000000442089_00161_42800_9632.N1	08-MAY-2010 03:07:40	Bright	44.000	119	14Eta Dra	2.7270	4700.0	88	42800	No
42	GOM_TRA_1PNPDE20100508_031823_000000462089_00161_42800_9643.N1	08-MAY-2010 03:18:23	Bright	46.000	89	5Alp Cep	2.4510	8000.0	92	42800	No
43	GOM_TRA_1PNPDE20100508_032113_000000382089_00161_42800_9644.N1	08-MAY-2010 03:21:13	Bright	37.500	74	11Bet Cas	2.2680	6600.0	75	42800	No
44	GOM_TRA_1PNPDE20100508_033103_000000512089_00161_42800_9645.N1	08-MAY-2010 03:31:03	Tw_i_and_stray	51.000	93	53Bet Peg	2.5200	3100.0	102	42800	No
45	GOM_TRA_1PNPDE20100508_033517_000000482089_00161_42800_9646.N1	08-MAY-2010 03:35:17	Dark	48.000	90	54Alp Peg	2.4870	11000.	96	42800	No
46	GOM_TRA_1PNPDE20100508_034825_000000452089_00161_42800_9647.N1	08-MAY-2010 03:48:25	Dark	45.000	18	24Alp PsA	1.1660	9700.0	90	42800	No
47	GOM_TRA_1PNPDE20100508_035416_000000512089_00161_42800_9648.N1	08-MAY-2010 03:54:16	Dark	50.500	31	Alp Gru	1.7340	15200.	101	42800	No
48	GOM_TRA_1PNPDE20100508_035951_000000462089_00162_42801_9649.N1	08-MAY-2010 03:59:51	Dark	46.000	45	Alp Pav	1.9400	26000.	92	42801	No
49	GOM_TRA_1PNPDE20100508_040720_000000452089_00162_42801_9650.N1	08-MAY-2010 04:07:20	Straylight	44.500	141	Bet Ara	2.8400	4600.0	89	42801	No
50	GOM_TRA_1PNPDE20100508_040934_000000572089_00162_42801_9651.N1	08-MAY-2010 04:09:34	Straylight	56.500	40	The Sco	1.8590	7100.0	113	42801	No
51	GOM_TRA_1PNPDE20100508_041125_000000372089_00162_42801_9652.N1	08-MAY-2010 04:11:25	Straylight	37.000	25	35Lam Sco	1.6200	28000.	74	42801	No
52	GOM_TRA_1PNPDE20100508_041409_000000552089_00162_42801_9653.N1	08-MAY-2010 04:14:09	Straylight	54.500	75	26Eps Sco	2.2910	4250.0	109	42801	No
53	GOM_TRA_1PNPDE20100508_041644_000000292089_00162_42801_9654.N1	08-MAY-2010 04:16:44	Tw_i_and_stray	29.000	136	23Tau Sco	2.8220	30000.	58	42801	No
54	GOM_TRA_1PNPDE20100508_041804_000000522089_00162_42801_9655.N1	08-MAY-2010 04:18:04	Tw_i_and_stray	52.000	156	20Sig Sco	2.9030	28000.	104	42801	No
55	GOM_TRA_1PNPDE20100508_041932_000000552089_00162_42801_9656.N1	08-MAY-2010 04:19:32	Bright	54.500	80	7Del Sco	2.3160	30000.	109	42801	No
56	GOM_TRA_1PNPDE20100508_042226_000000392089_00162_42801_9657.N1	08-MAY-2010 04:22:26	Bright	39.000	122	9Alp2Lib	2.7470	9700.0	78	42801	No
57	GOM_TRA_1PNPDE20100508_042429_000000442089_00162_42801_9658.N1	08-MAY-2010 04:24:29	Bright	43.500	104	27Bet Lib	2.6140	13100.	87	42801	No
58	GOM_TRA_1PNPDE20100508_043246_000000362089_00162_42801_9659.N1	08-MAY-2010 04:32:46	Bright	36.000	111	8Eta Boo	2.6800	6000.0	72	42801	No
59	GOM_TRA_1PNPDE20100508_043556_000000442089_00162_42801_9660.N1	08-MAY-2010 04:35:56	Bright	43.500	83		2.3780	11000.	87	42801	No
60	GOM_TRA_1PNPDE20100508_043902_000000402089_00162_42801_9661.N1	08-MAY-2010 04:39:02	Bright	40.000	180	27Gam Boo	3.0400	8000.0	80	42801	No
61	GOM_TRA_1PNPDE20100508_044137_000000352089_00162_42801_9662.N1	08-MAY-2010 04:41:37	Bright	35.000	39	85Eta UMa	1.8540	24000.	70	42801	No
62	GOM_TRA_1PNPDE20100508_044815_000000452089_00162_42801_9663.N1	08-MAY-2010 04:48:15	Bright	44.500	119	14Eta Dra	2.7270	4700.0	89	42801	No
63	GOM_TRA_1PNPDE20100508_045859_000000442089_00162_42801_9664.N1	08-MAY-2010 04:58:59	Bright	43.500	89	5Alp Cep	2.4510	8000.0	87	42801	No
64	GOM_TRA_1PNPDE20100508_050149_000000362089_00162_42801_9665.N1	08-MAY-2010 05:01:49	Bright	35.500	74	11Bet Cas	2.2680	6600.0	71	42801	No
65	GOM_TRA_1PNPDE20100508_051139_000000612089_00162_42801_9666.N1	08-MAY-2010 05:11:39	Tw_i_and_stray	61.000	93	53Bet Peg	2.5200	3100.0	122	42801	No
66	GOM_TRA_1PNPDE20100508_051554_000000482089_00162_42801_9667.N1	08-MAY-2010 05:15:54	Dark	47.500	90	54Alp Peg	2.4870	11000.	95	42801	No
67	GOM_TRA_1PNPDE20100508_052902_000000492089_00162_42801_9668.N1	08-MAY-2010 05:29:02	Dark	49.000	18	24Alp PsA	1.1660	9700.0	98	42801	No
68	GOM_TRA_1PNPDE20100508_053453_000000432089_00162_42801_9669.N1	08-MAY-2010 05:34:53	Dark	43.000	31	Alp Gru	1.7340	15200.	86	42801	No
69	GOM_TRA_1PNPDE20100508_054028_000000422089_00163_42802_9670.N1	08-MAY-2010 05:40:28	Dark	41.500	45	Alp Pav	1.9400	26000.	83	42802	No
70	GOM_TRA_1PNPDE20100508_054756_000000502089_00163_42802_9671.N1	08-MAY-2010 05:47:56	Straylight	49.500	141	Bet Ara	2.8400	4600.0	99	42802	No
71	GOM_TRA_1PNPDE20100508_055011_000000542089_00163_42802_9672.N1	08-MAY-2010 05:50:11	Straylight	54.000	40	The Sco	1.8590	7100.0	108	42802	No

72	GOM_TRA_1PNPDE20100508_055201_000000392089_00163_42802_9673.N1	08-MAY-2010 05:52:01	Straylight	39.000	25	35Lam Sco	1.6200	28000.	78	42802	No
73	GOM_TRA_1PNPDE20100508_055445_000000582089_00163_42802_9674.N1	08-MAY-2010 05:54:45	Straylight	58.000	75	26Eps Sco	2.2910	4250.0	116	42802	No
74	GOM_TRA_1PNPDE20100508_055721_000000342089_00163_42802_9675.N1	08-MAY-2010 05:57:21	Twilight_and_stray	34.000	136	23Tau Sco	2.8220	30000.	68	42802	No
75	GOM_TRA_1PNPDE20100508_055810_000000252089_00163_42802_9676.N1	08-MAY-2010 05:58:10	Twilight_and_stray	25.000	16	21Alp Sco	1.0200	3000.0	50	42802	No
76	GOM_TRA_1PNPDE20100508_060008_000000582089_00163_42802_9677.N1	08-MAY-2010 06:00:08	Bright	58.000	80	7Del Sco	2.3160	30000.	116	42802	No
77	GOM_TRA_1PNPDE20100508_060302_000000412089_00163_42802_9678.N1	08-MAY-2010 06:03:02	Bright	41.000	122	9Alp2Lib	2.7470	9700.0	82	42802	No
78	GOM_TRA_1PNPDE20100508_060505_000000452089_00163_42802_9679.N1	08-MAY-2010 06:05:05	Bright	44.500	104	27Bet Lib	2.6140	13100.	89	42802	No
79	GOM_TRA_1PNPDE20100508_061322_000000362089_00163_42802_9680.N1	08-MAY-2010 06:13:22	Bright	36.000	111	8Eta Boo	2.6800	6000.0	72	42802	No
80	GOM_TRA_1PNPDE20100508_061632_000000432089_00163_42802_9681.N1	08-MAY-2010 06:16:32	Bright	43.000	83		2.3780	11000.	86	42802	No
81	GOM_TRA_1PNPDE20100508_061937_000000402089_00163_42802_9682.N1	08-MAY-2010 06:19:37	Bright	39.500	180	27Gam Boo	3.0400	8000.0	79	42802	No
82	GOM_TRA_1PNPDE20100508_062213_000000392089_00163_42802_9683.N1	08-MAY-2010 06:22:13	Bright	38.500	39	85Eta UMa	1.8540	24000.	77	42802	No
83	GOM_TRA_1PNPDE20100508_062850_000000432089_00163_42802_9684.N1	08-MAY-2010 06:28:50	Bright	43.000	119	14Eta Dra	2.7270	4700.0	86	42802	No
84	GOM_TRA_1PNPDE20100508_205541_000000562089_00172_42811_9780.N1	08-MAY-2010 20:55:41	Straylight	56.000	40	The Sco	1.8590	7100.0	112	42811	No
85	GOM_TRA_1PNPDE20100508_205732_000000492089_00172_42811_9781.N1	08-MAY-2010 20:57:32	Straylight	49.000	25	35Lam Sco	1.6200	28000.	98	42811	No
86	GOM_TRA_1PNPDE20100508_210014_000000572089_00172_42811_9782.N1	08-MAY-2010 21:00:14	Straylight	57.000	75	26Eps Sco	2.2910	4250.0	114	42811	No
87	GOM_TRA_1PNPDE20100508_210337_000000432089_00172_42811_9783.N1	08-MAY-2010 21:03:37	Twilight_and_stray	43.000	16	21Alp Sco	1.0200	3000.0	86	42811	No
88	GOM_TRA_1PNPDE20100508_210534_000000542089_00172_42811_9784.N1	08-MAY-2010 21:05:34	Bright	53.500	80	7Del Sco	2.3160	30000.	107	42811	No
89	GOM_TRA_1PNPDE20100508_210827_000000402089_00172_42811_9785.N1	08-MAY-2010 21:08:27	Bright	40.000	122	9Alp2Lib	2.7470	9700.0	80	42811	No
90	GOM_TRA_1PNPDE20100508_211028_000000432089_00172_42811_9786.N1	08-MAY-2010 21:10:28	Bright	43.000	104	27Bet Lib	2.6140	13100.	86	42811	No
91	GOM_TRA_1PNPDE20100508_211845_000000362089_00172_42811_9787.N1	08-MAY-2010 21:18:45	Bright	36.000	111	8Eta Boo	2.6800	6000.0	72	42811	No
92	GOM_TRA_1PNPDE20100508_212153_000000422089_00172_42811_9788.N1	08-MAY-2010 21:21:53	Bright	41.500	83		2.3780	11000.	83	42811	No
93	GOM_TRA_1PNPDE20100508_212458_000000372089_00172_42811_9789.N1	08-MAY-2010 21:24:58	Bright	37.000	180	27Gam Boo	3.0400	8000.0	74	42811	No
94	GOM_TRA_1PNPDE20100508_212735_000000392089_00172_42811_9790.N1	08-MAY-2010 21:27:35	Bright	38.500	39	85Eta UMa	1.8540	24000.	77	42811	No
95	GOM_TRA_1PNPDE20100508_213409_000000412089_00172_42811_9791.N1	08-MAY-2010 21:34:09	Bright	41.000	119	14Eta Dra	2.7270	4700.0	82	42811	No
96	GOM_TRA_1PNPDE20100508_214455_000000442089_00172_42811_9792.N1	08-MAY-2010 21:44:55	Bright	43.500	89	5Alp Cep	2.4510	8000.0	87	42811	No
97	GOM_TRA_1PNPDE20100508_214748_000000362089_00172_42811_9793.N1	08-MAY-2010 21:47:48	Bright	35.500	74	11Bet Cas	2.2680	6600.0	71	42811	No
98	GOM_TRA_1PNPDE20100508_215741_000000562089_00172_42811_9794.N1	08-MAY-2010 21:57:41	Twilight_and_stray	55.500	93	53Bet Peg	2.5200	3100.0	111	42811	No
99	GOM_TRA_1PNPDE20100508_220157_000000482089_00172_42811_9795.N1	08-MAY-2010 22:01:57	Dark	47.500	90	54Alp Peg	2.4870	11000.	95	42811	No
100	GOM_TRA_1PNPDE20100508_221508_000000432089_00172_42811_9799.N1	08-MAY-2010 22:15:08	Dark	42.500	18	24Alp PsA	1.1660	9700.0	85	42811	No
101	GOM_TRA_1PNPDE20100508_222058_000000432089_00172_42811_9800.N1	08-MAY-2010 22:20:58	Dark	42.500	31	Alp Gru	1.7340	15200.	85	42811	No
102	GOM_TRA_1PNPDE20100508_222634_000000422089_00173_42812_9801.N1	08-MAY-2010 22:26:34	Dark	41.500	45	Alp Pav	1.9400	26000.	83	42812	No
103	GOM_TRA_1PNPDE20100508_223402_000000472089_00173_42812_9802.N1	08-MAY-2010 22:34:02	Straylight	47.000	141	Bet Ara	2.8400	4600.0	94	42812	No
104	GOM_TRA_1PNPDE20100508_223618_000000552089_00173_42812_9803.N1	08-MAY-2010 22:36:18	Straylight	54.500	40	The Sco	1.8590	7100.0	109	42812	No
105	GOM_TRA_1PNPDE20100508_223809_000000512089_00173_42812_9804.N1	08-MAY-2010 22:38:09	Straylight	51.000	25	35Lam Sco	1.6200	28000.	102	42812	No
106	GOM_TRA_1PNPDE20100508_224050_000000592089_00173_42812_9805.N1	08-MAY-2010 22:40:50	Straylight	59.000	75	26Eps Sco	2.2910	4250.0	118	42812	No
107	GOM_TRA_1PNPDE20100508_224413_000000482089_00173_42812_9806.N1	08-MAY-2010 22:44:13	Twilight_and_stray	48.000	16	21Alp Sco	1.0200	3000.0	96	42812	No
108	GOM_TRA_1PNPDE20100508_224610_000000552089_00173_42812_9807.N1	08-MAY-2010 22:46:10	Bright	55.000	80	7Del Sco	2.3160	30000.	110	42812	No
109	GOM_TRA_1PNPDE20100508_224902_000000412089_00173_42812_9808.N1	08-MAY-2010 22:49:02	Bright	40.500	122	9Alp2Lib	2.7470	9700.0	81	42812	No
110	GOM_TRA_1PNPDE20100508_225104_000000442089_00173_42812_9809.N1	08-MAY-2010 22:51:04	Bright	44.000	104	27Bet Lib	2.6140	13100.	88	42812	No
111	GOM_TRA_1PNPDE20100508_225921_000000372089_00173_42812_9810.N1	08-MAY-2010 22:59:21	Bright	36.500	111	8Eta Boo	2.6800	6000.0	73	42812	No
112	GOM_TRA_1PNPDE20100508_230228_000000432089_00173_42812_9811.N1	08-MAY-2010 23:02:28	Bright	43.000	83		2.3780	11000.	86	42812	No
113	GOM_TRA_1PNPDE20100508_230534_000000392089_00173_42812_9812.N1	08-MAY-2010 23:05:34	Bright	38.500	180	27Gam Boo	3.0400	8000.0	77	42812	No
114	GOM_TRA_1PNPDE20100508_230811_000000372089_00173_42812_9813.N1	08-MAY-2010 23:08:11	Bright	36.500	39	85Eta UMa	1.8540	24000.	73	42812	No
115	GOM_TRA_1PNPDE20100508_231444_000000432089_00173_42812_9814.N1	08-MAY-2010 23:14:44	Bright	43.000	119	14Eta Dra	2.7270	4700.0	86	42812	No
116	GOM_TRA_1PNPDE20100508_232530_000000452089_00173_42812_9815.N1	08-MAY-2010 23:25:30	Bright	44.500	89	5Alp Cep	2.4510	8000.0	89	42812	No
117	GOM_TRA_1PNPDE20100508_232824_000000502089_00173_42812_9816.N1	08-MAY-2010 23:28:24	Bright	49.500	74	11Bet Cas	2.2680	6600.0	99	42812	No
118	GOM_TRA_1PNPDE20100508_233816_000000592089_00173_42812_9817.N1	08-MAY-2010 23:38:16	Twilight_and_stray	59.000	93	53Bet Peg	2.5200	3100.0	118	42812	No
119	GOM_TRA_1PNPDE20100508_234233_000000512089_00173_42812_9818.N1	08-MAY-2010 23:42:33	Dark	50.500	90	54Alp Peg	2.4870	11000.	101	42812	No
120	GOM_TRA_1PNPDE20100508_235544_000000452089_00173_42812_9818.N1	08-MAY-2010 23:55:44	Dark	45.000	18	24Alp PsA	1.1660	9700.0	90	42812	No

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



4. Overview of dark signal processing per product

The Dark Charge (DC) is a temperature-dependant signal added to the useful measurements and it is therefore subtracted from them during the processing. There are two phenomena that produce a continuous increase of the DC: the "hot pixels" (a pixel is "hot" when its DC exceeds by a significant amount its value measured on ground at the same temperature) and the "Random Telegraphic Signal" (abrupt change positive or negative of the CCD pixel signal, random in time, affecting only the DC part of the signal and not the photon generated signal).

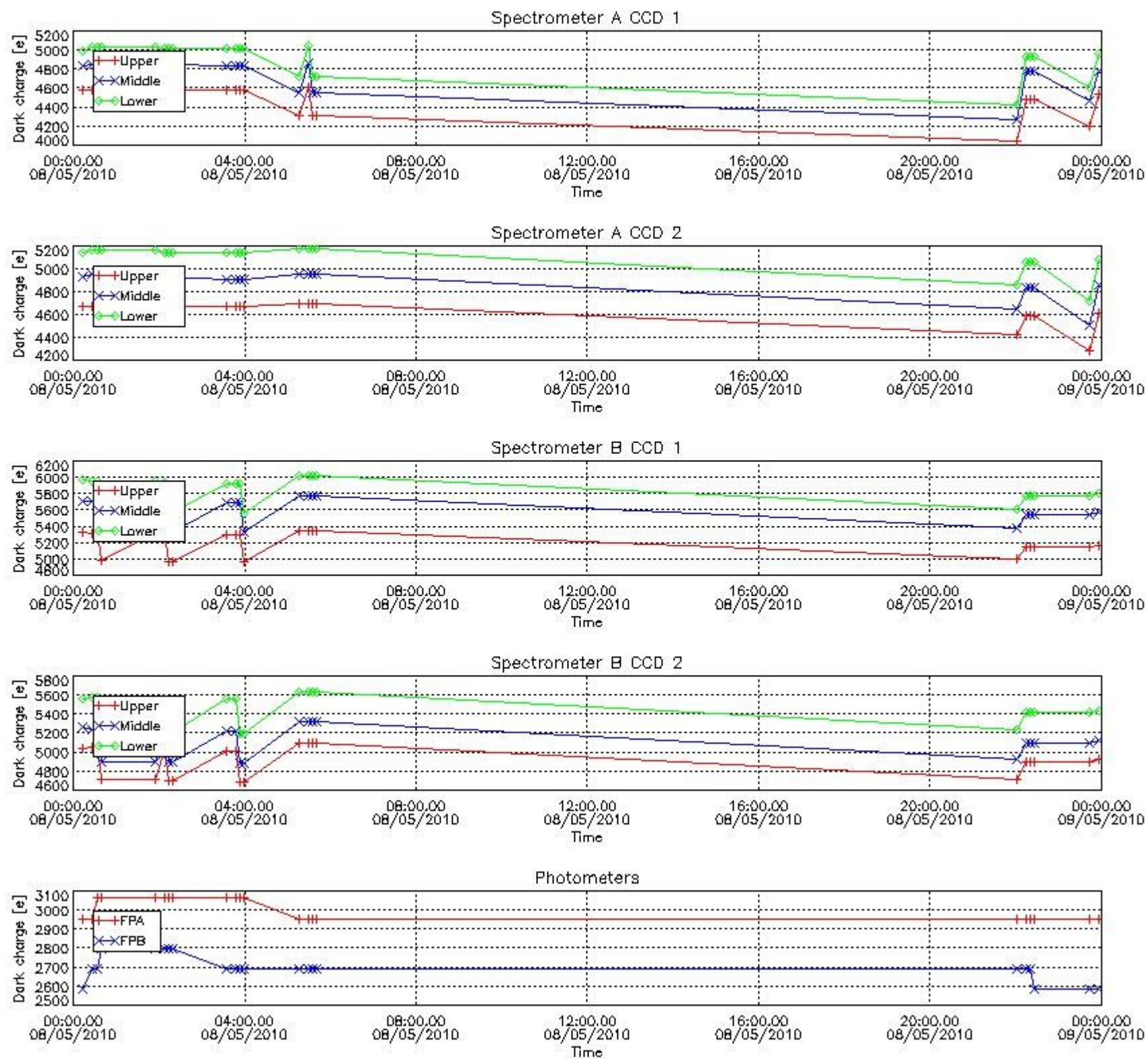
In this section a list of products that did not use the Dark Sky Area (DSA) observation for the DC computation is given. It is also provided the mean DC plot per product for dark limb products with no error flag set.

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

Product name	DC information
GOM_TRA_1PNPDE20100508_205541_000000562089_00172_42811_9780.N1	DC map used
GOM_TRA_1PNPDE20100508_205732_000000492089_00172_42811_9781.N1	DC map used
GOM_TRA_1PNPDE20100508_210014_000000572089_00172_42811_9782.N1	DC map used
GOM_TRA_1PNPDE20100508_210337_000000432089_00172_42811_9783.N1	DC map used
GOM_TRA_1PNPDE20100508_210534_000000542089_00172_42811_9784.N1	DC map used
GOM_TRA_1PNPDE20100508_210827_000000402089_00172_42811_9785.N1	DC map used
GOM_TRA_1PNPDE20100508_211028_000000432089_00172_42811_9786.N1	DC map used
GOM_TRA_1PNPDE20100508_211845_000000362089_00172_42811_9787.N1	DC map used
GOM_TRA_1PNPDE20100508_212153_000000422089_00172_42811_9788.N1	DC map used
GOM_TRA_1PNPDE20100508_212458_000000372089_00172_42811_9789.N1	DC map used
GOM_TRA_1PNPDE20100508_212735_000000392089_00172_42811_9790.N1	DC map used
GOM_TRA_1PNPDE20100508_213409_000000412089_00172_42811_9791.N1	DC map used
GOM_TRA_1PNPDE20100508_214455_000000442089_00172_42811_9792.N1	DC map used
GOM_TRA_1PNPDE20100508_214748_000000362089_00172_42811_9793.N1	DC map used

GOM_TRA_1PNPDE20100508_215741_000000562089_00172_42811_9794.N1	DC map used
GOM_TRA_1PNPDE20100508_220157_000000482089_00172_42811_9795.N1	DC map used

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



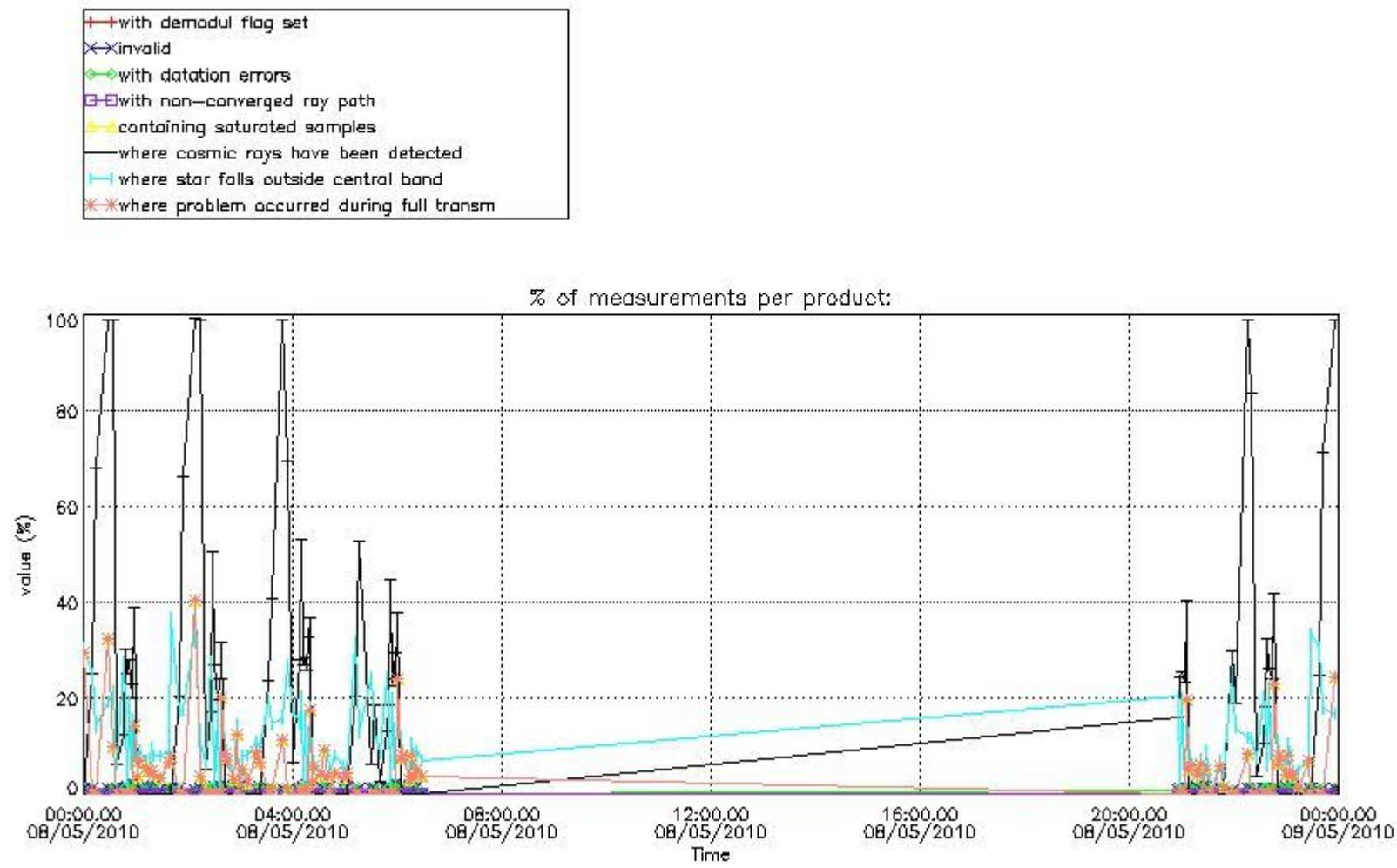
5. Demodulation flag and quality information monitoring

In this section it is presented the modulation information extracted from the pcd (product confidence data) at measurement level and information extracted from the Quality Summary dataset. Only products without errors (error flag in the MPH set to "0") are used.

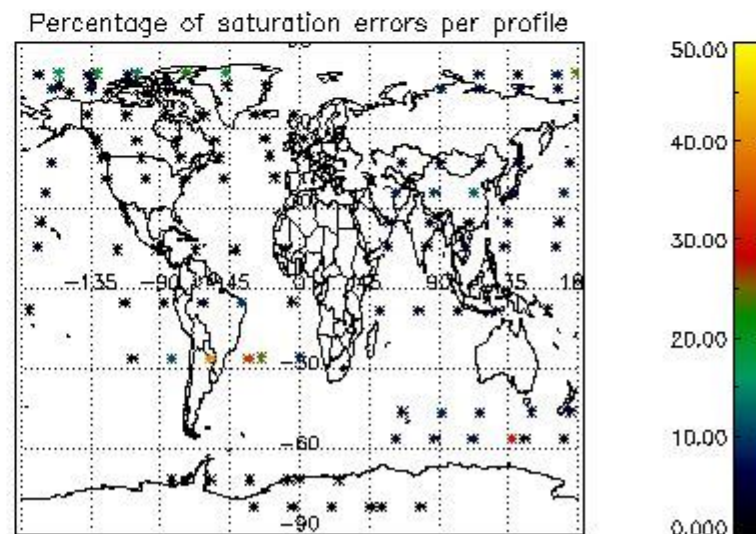
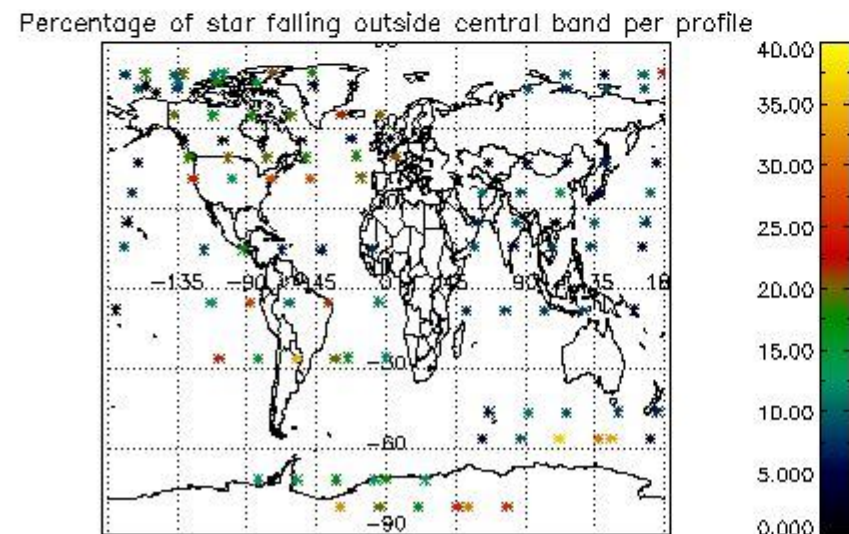
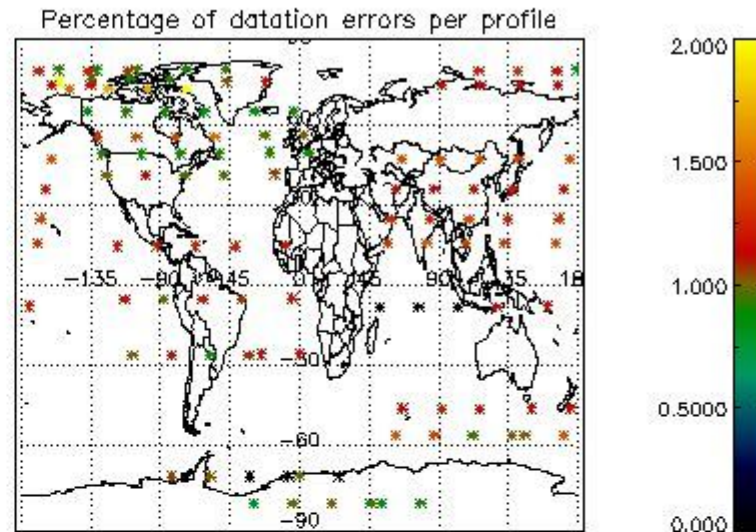
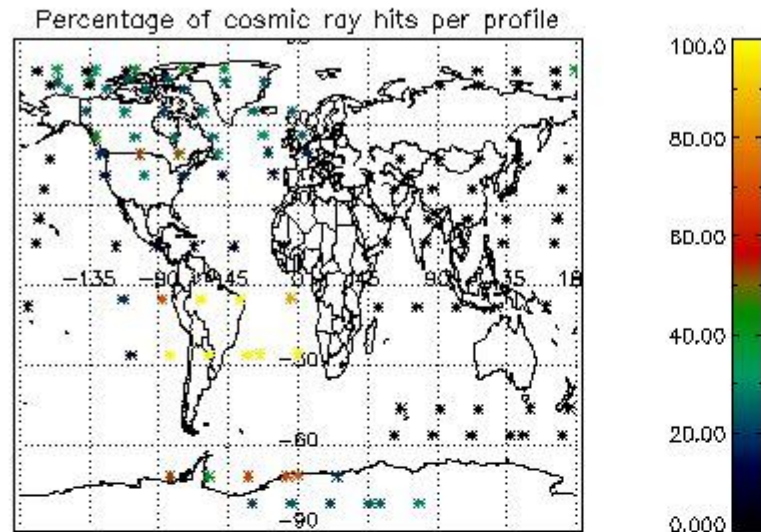
5.1 Percentage of products during reporting period with:

At least one measurement with demodulation flag set:	46.6667 %
Reference spectrum computed from DB:	0.00000 %
Reference spectrum with small number of measurements:	0.00000 %
SATU data not used:	0.00000 %

5.2 Plot quality information per product (time dependant)



5.3 Plot quality information per product (world map)



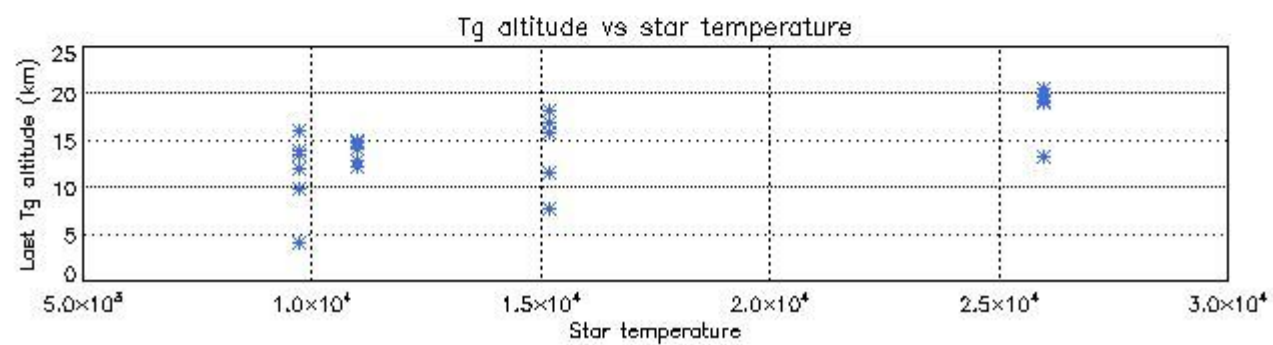
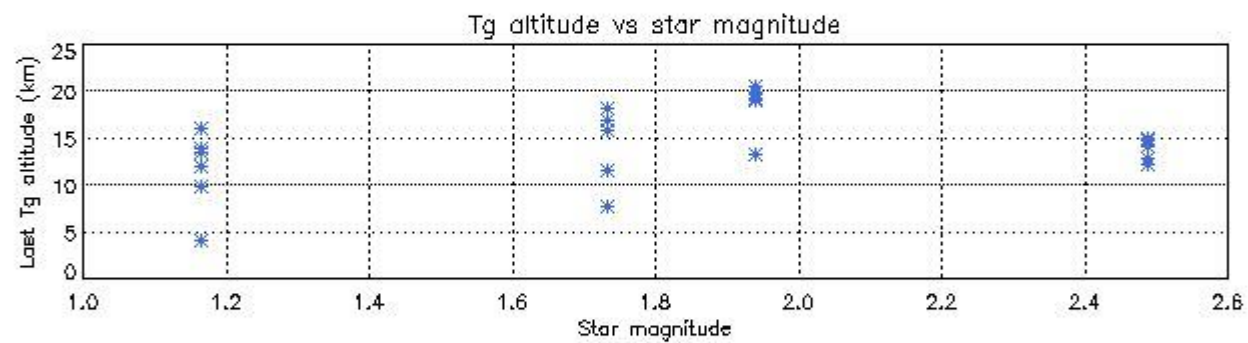
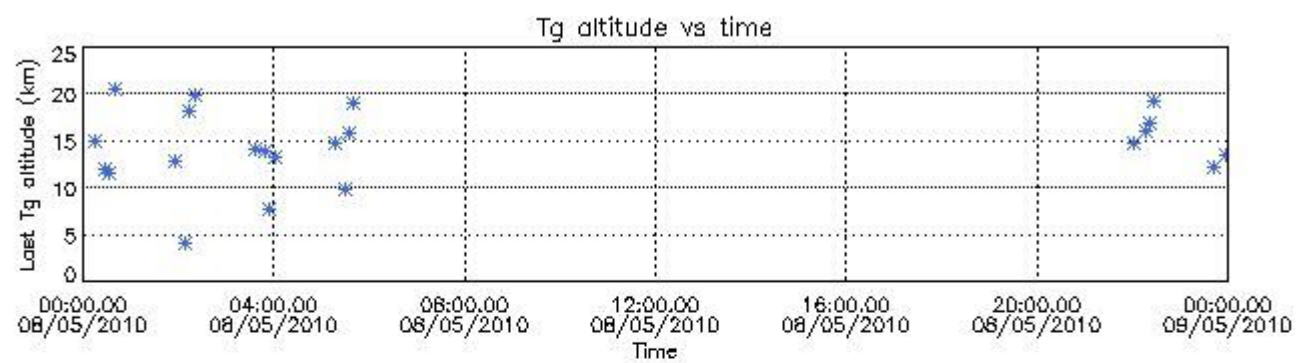
6. Statistics and plot of tangent altitude of the last measurement (DARK & BRIGHT products without errors)

6.1 Statistics on tangent altitude lost:

Statistics	DARK	BRIGHT	TWILIGHT
Mean:	14.323	18.969	NaN
St. deviation:	3.9879	4.6022	NaN
Maximum:	20.456	27.834	NaN
Minimum:	4.0065	4.1319	NaN
Number of data:	22.000	59.000	NaN

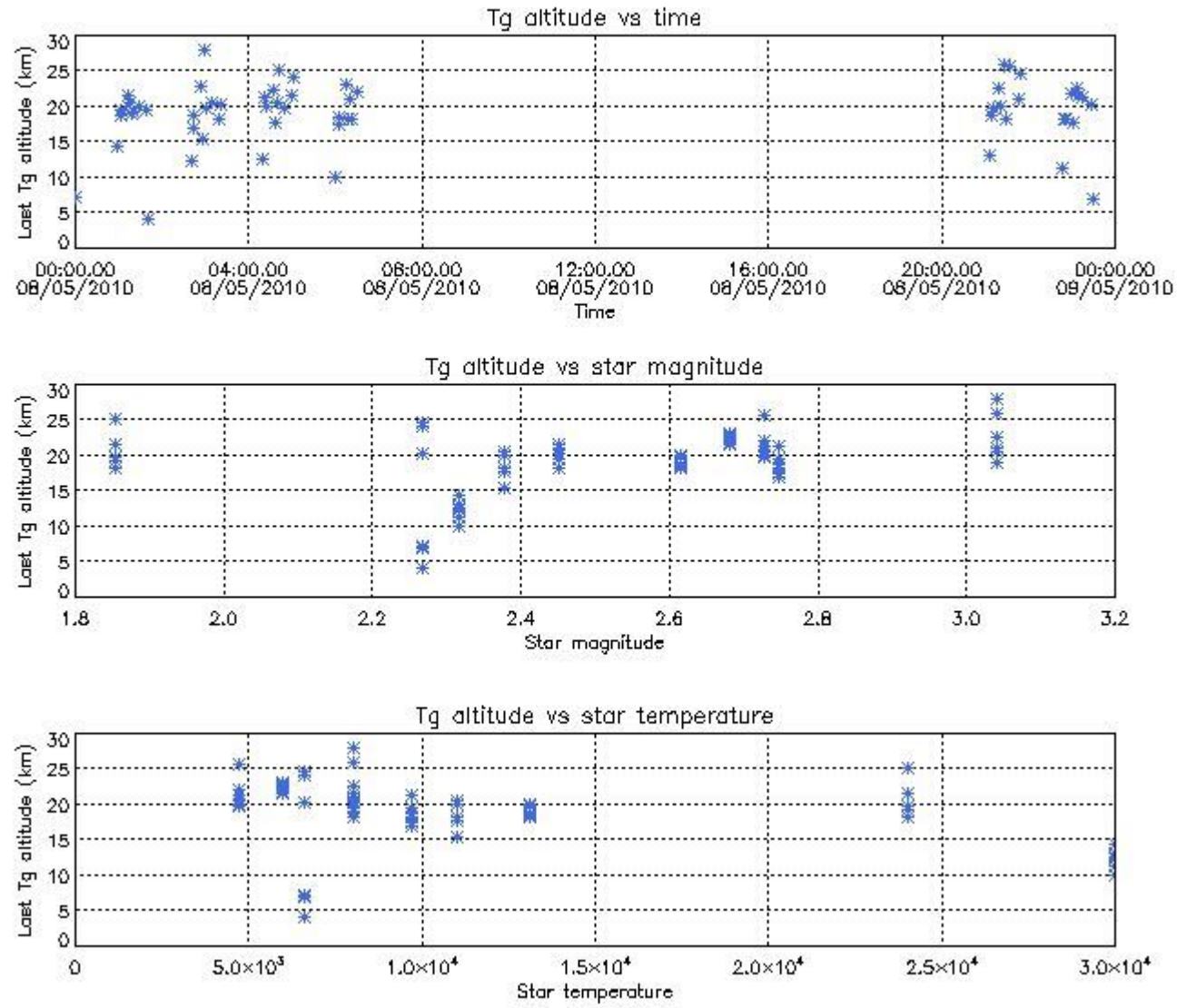
6.2 Plot for DARK limb products

Tangent altitude at which the star is lost



6.3 Plot for BRIGHT limb products

Tangent altitude at which the star is lost

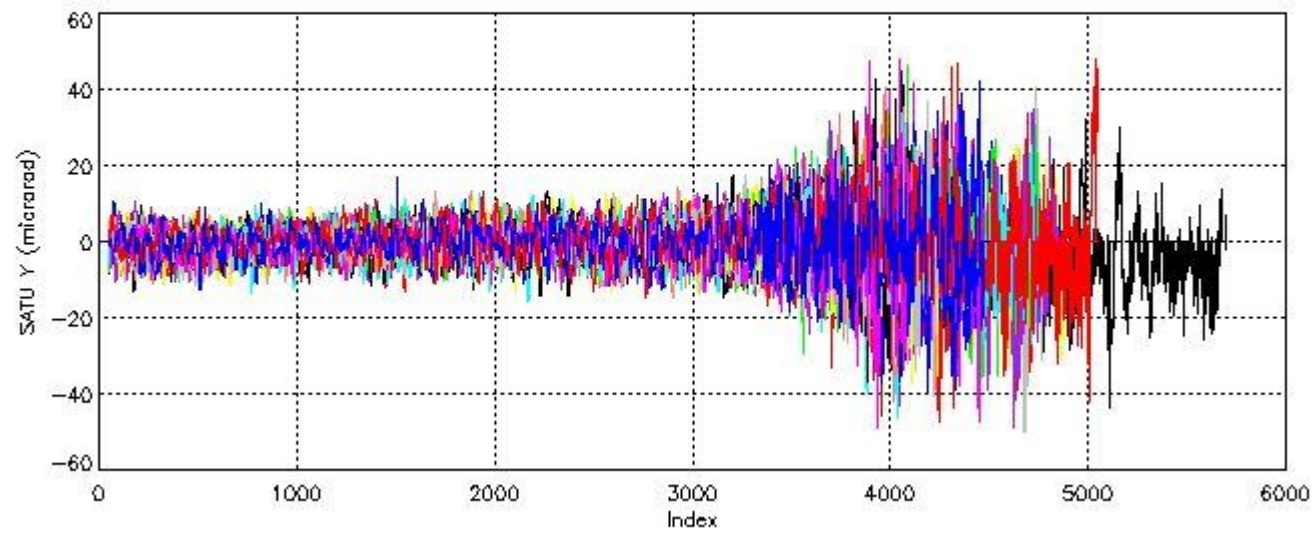
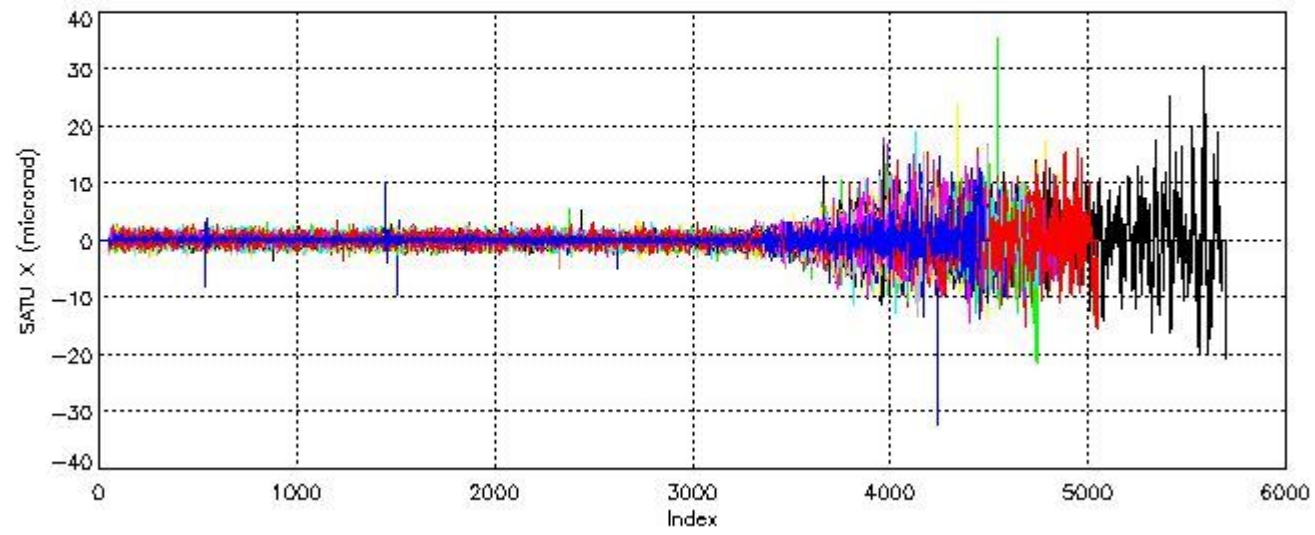


7. Star Acquisition and Tracking Unit (SATU)

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:	0.11309	-0.79839	0.21366	-0.88443
St. deviation:	0.57105	3.2320	0.89742	3.5181
Maximum:	4.0000	10.500	5.8000	14.100
Minimum:	-8.2000	-13.600	-5.2000	-15.700

Number of data:	21500.	21500.	57100.	57100.
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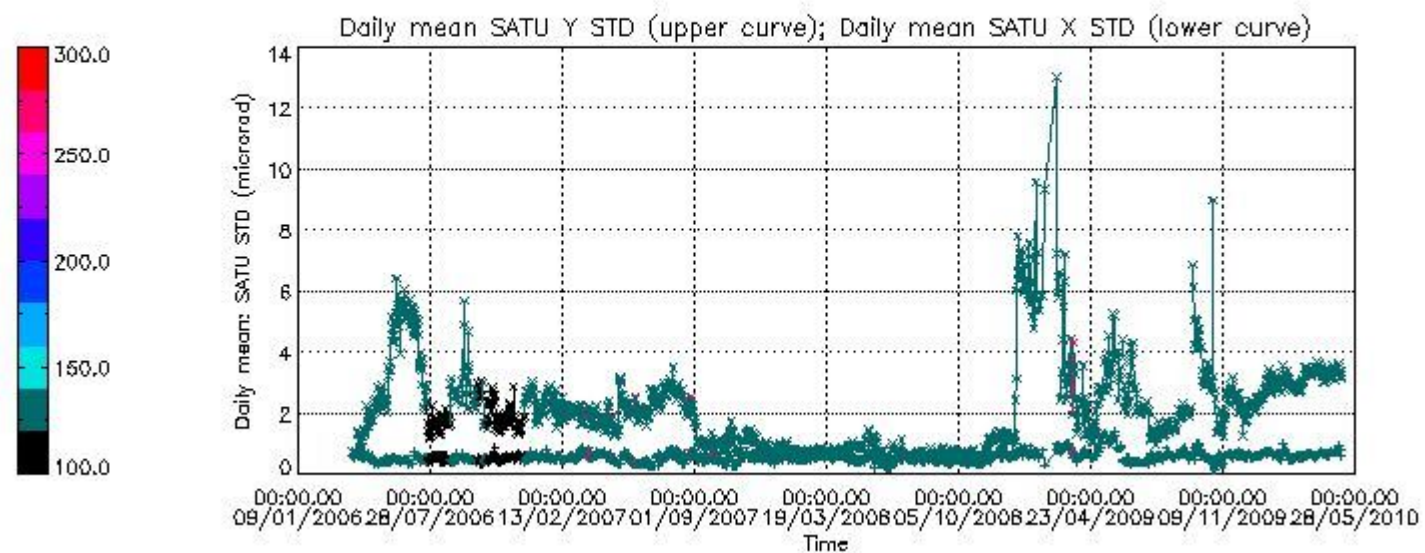
7.2.2 Trend of daily SATU NEA St. deviation since 1st April 2006 (dark limb)

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

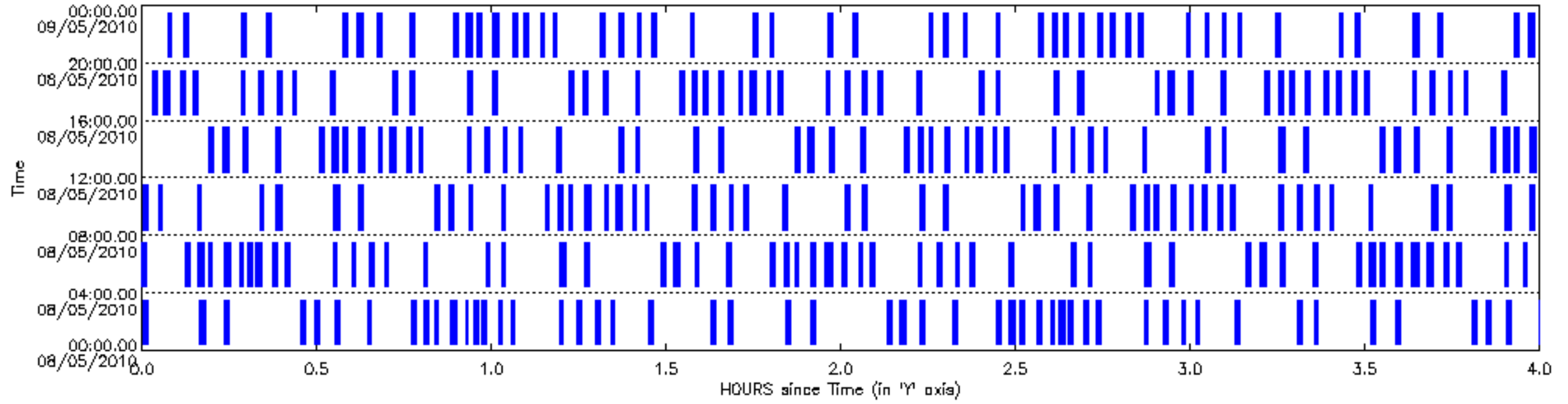
Lower curve: STD of SATU X axis

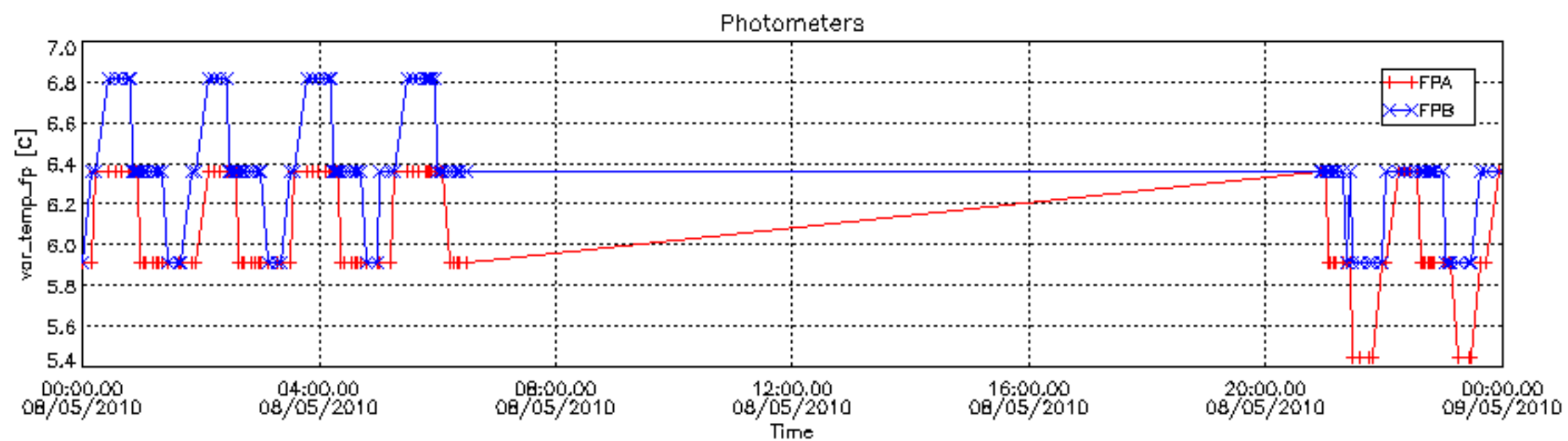
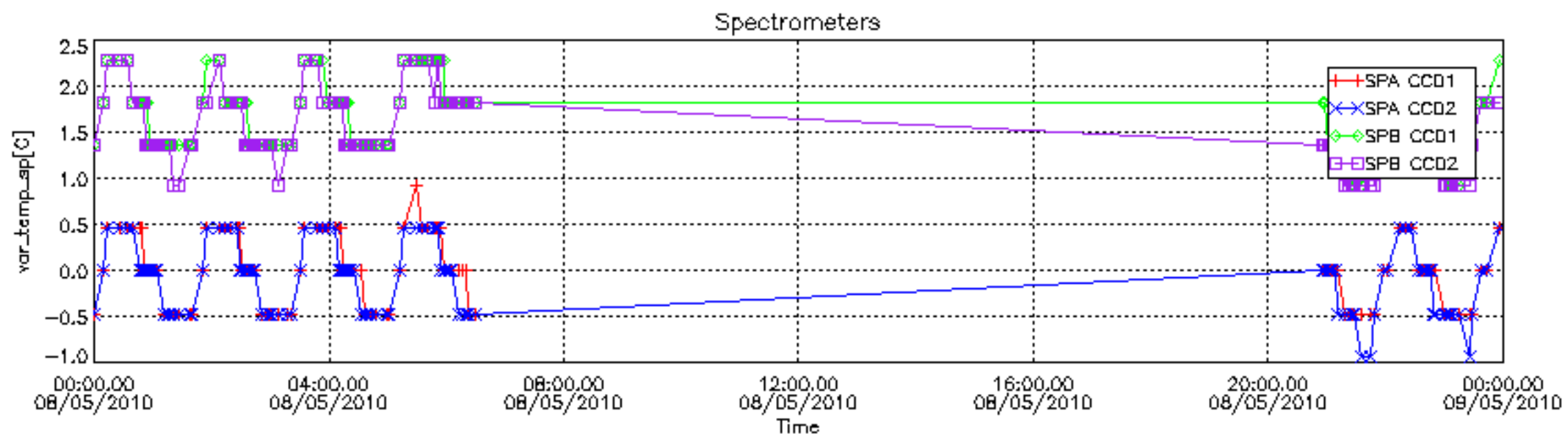


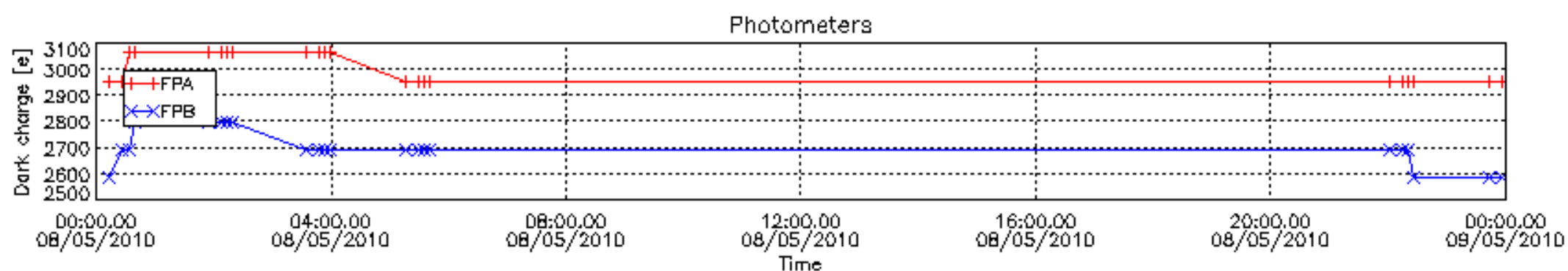
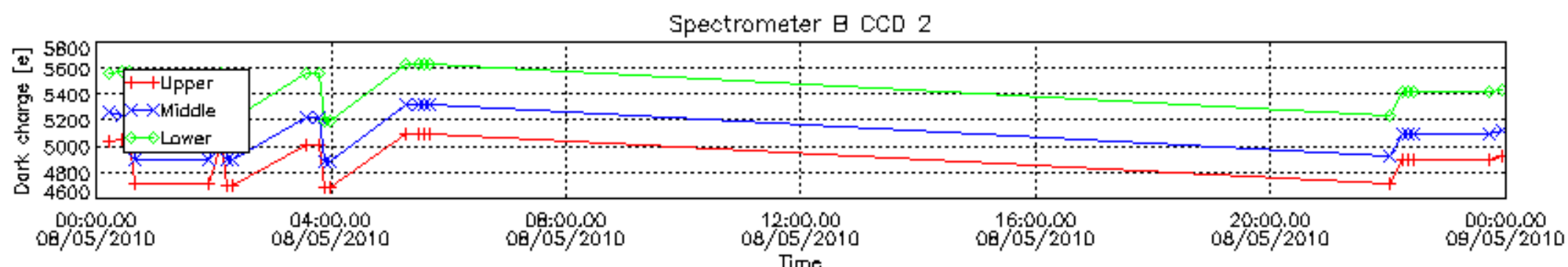
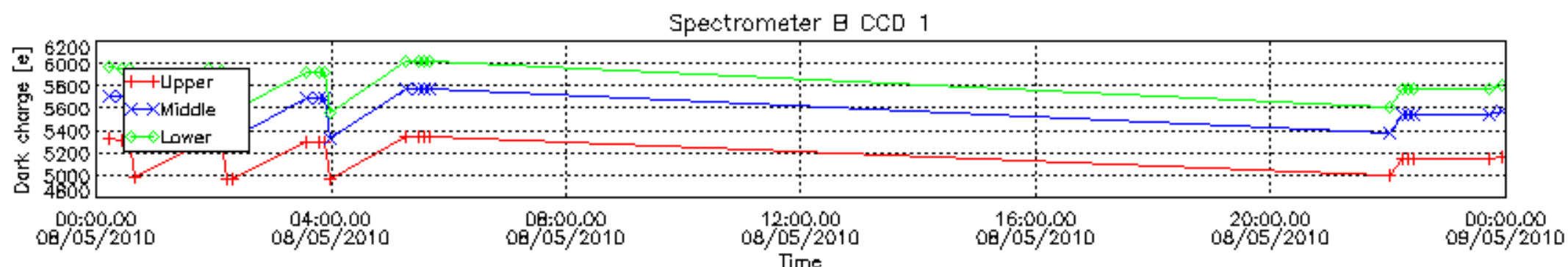
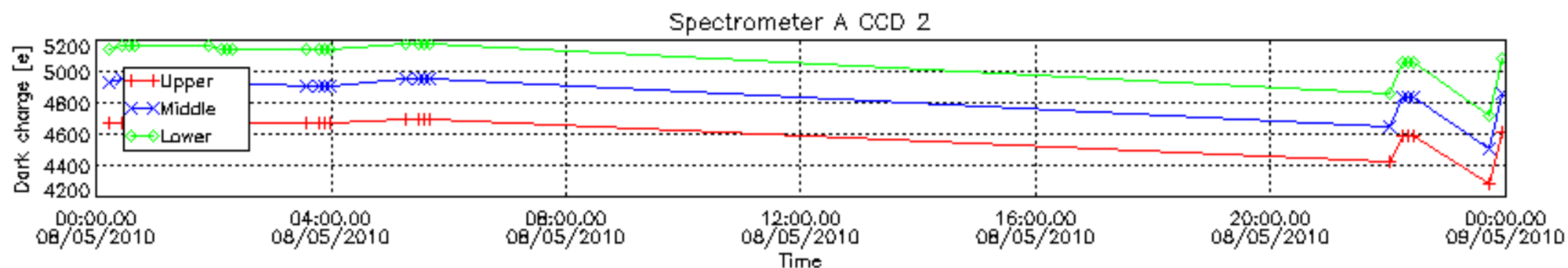
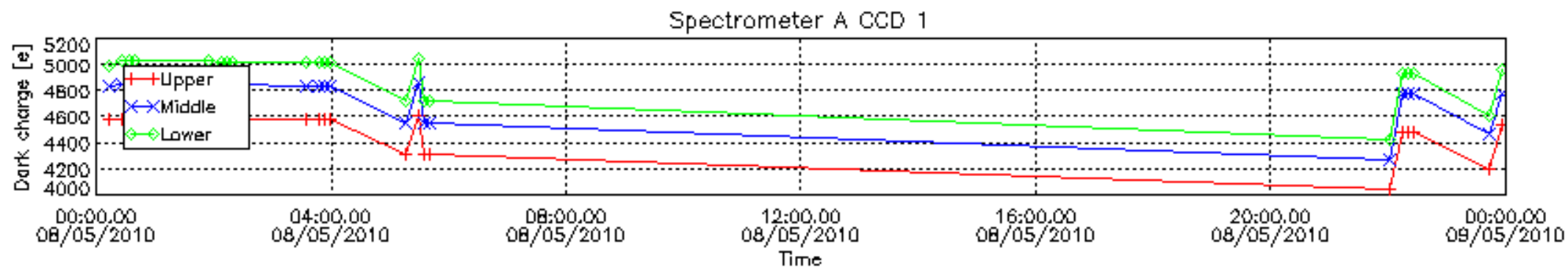
8. Auxiliary Data Files used for the production reported in section 2.4

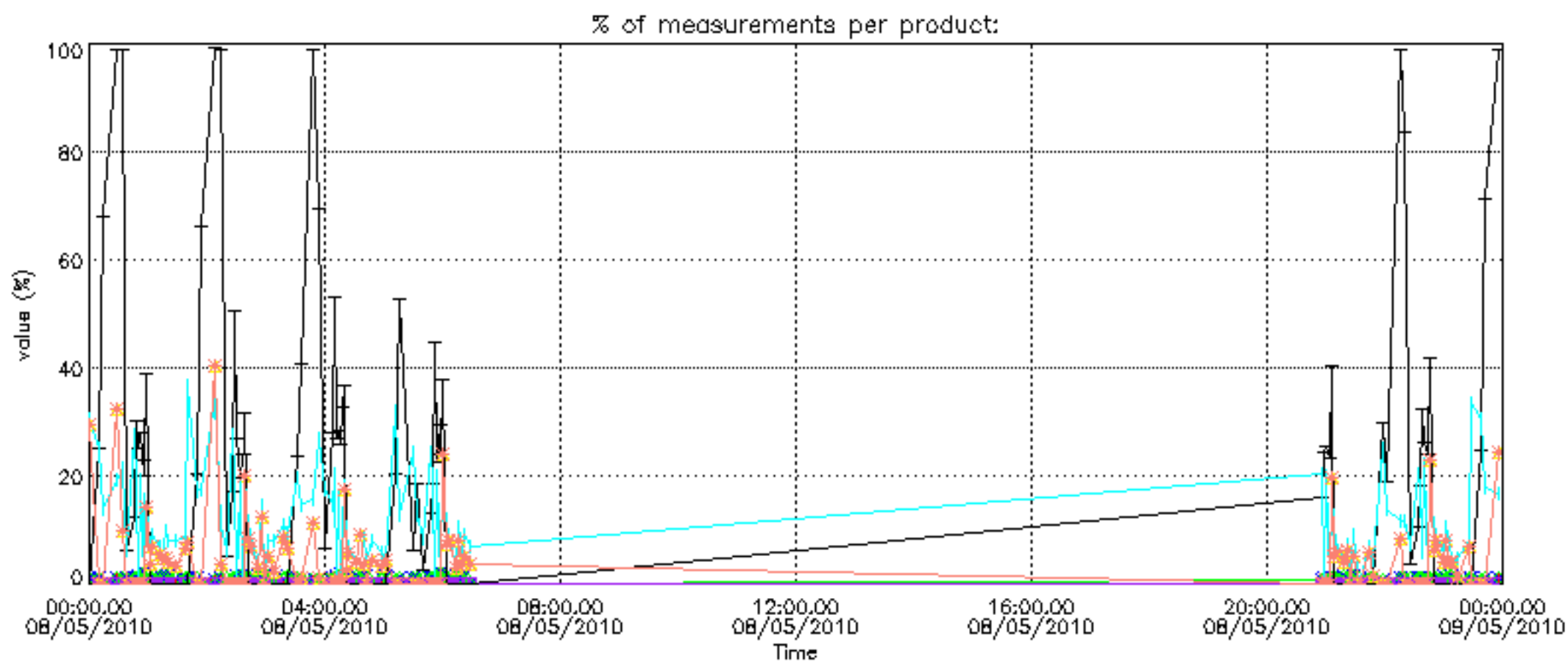
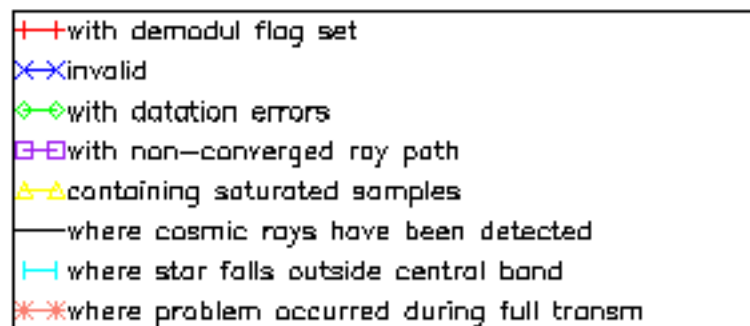
The number reported in the third column indicates since which file (see list in section 2.4) the corresponding auxiliary file has been used. The fourth column is the date of those product files.

Type	Auxiliary Filename	Used since product	Used since product date
INST_PHYS_CHARACTERISTICS	GOM_INS_AXVIEC20091111_143220_20030716_120000_20500101_000000	1	08-MAY-2010 00:00:01
CALIBRATION_DATABASE	GOM_CAL_AXVIEC20100504_084318_20100501_000000_20500101_000000	1	08-MAY-2010 00:00:01
LEVEL-1B_PROC_CONFIG	GOM_PR1_AXVIEC20091111_145255_20020301_000000_20500101_000000	1	08-MAY-2010 00:00:01
STAR_CATALOGUE	GOM_CAT_AXVIEC20020121_161009_20020101_000000_20200101_000000	1	08-MAY-2010 00:00:01
STELLAR_SPECTRA_DATABANK	GOM_STS_AXVIEC20091111_151504_20020101_160000_20500101_000000	1	08-MAY-2010 00:00:01
ECMWF_FILE	AUX_ECF_AXNECM20100507_054117_20100507_210000_20100508_090000	1	08-MAY-2010 00:00:01
ECMWF_FILE	AUX_ECF_AXNECM20100507_172027_20100508_030000_20100508_150000	42	08-MAY-2010 03:18:23
ECMWF_FILE	AUX_ECA_AXNECM20100508_051258_20100507_210000_20100508_090000	63	08-MAY-2010 04:58:59
ECMWF_FILE	AUX_ECF_AXNECM20100508_053300_20100508_150000_20100509_030000	84	08-MAY-2010 20:55:41
ECMWF_FILE	AUX_ECF_AXNECM20100508_053300_20100508_210000_20100509_090000	100	08-MAY-2010 22:15:08
OPTIONAL_ECMWF_FILE	MISSING	1	08-MAY-2010 00:00:01
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20100507_223535_000060572089_00158_42797_0306.N1	1	08-MAY-2010 00:00:01
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20100508_001632_000057382089_00159_42798_0307.N1	4	08-MAY-2010 00:27:12
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20100508_015729_000041442089_00160_42799_0308.N1	25	08-MAY-2010 02:07:49
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20100508_031152_000057382089_00161_42800_0309.N1	42	08-MAY-2010 03:18:23
ORBIT_DATA_FILE	AUX_FPO_AXVPDS20100505_091724_20100504_192659_20100514_205313	63	08-MAY-2010 04:58:59
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20100508_205431_000038252089_00172_42811_0311.N1	84	08-MAY-2010 20:55:41
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20100508_220335_000060572089_00172_42811_0312.N1	100	08-MAY-2010 22:15:08
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20100508_234432_000057382089_00173_42812_0313.N1	120	08-MAY-2010 23:55:44

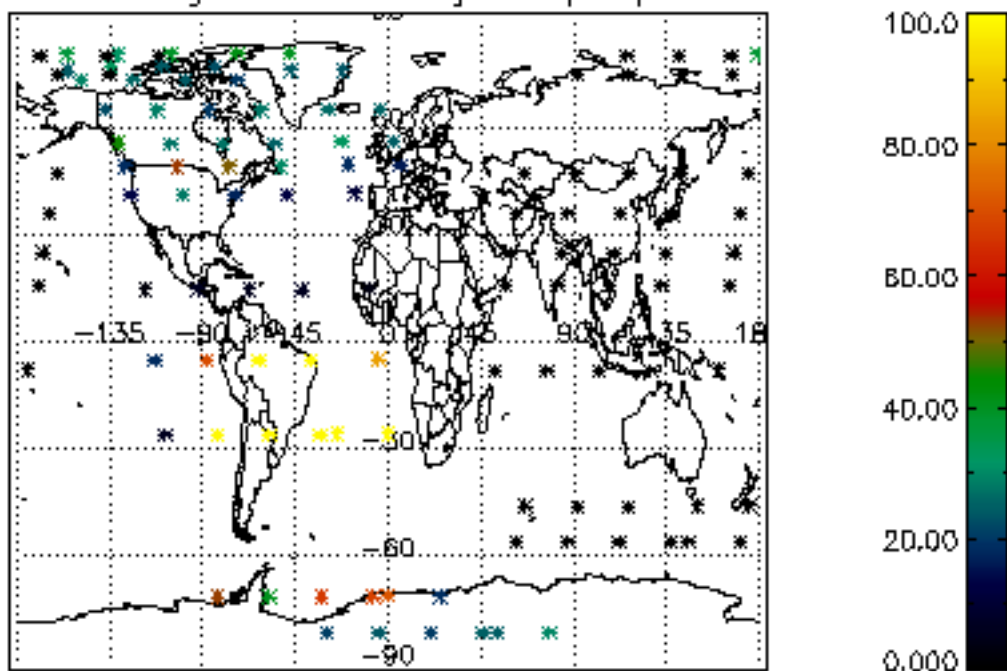




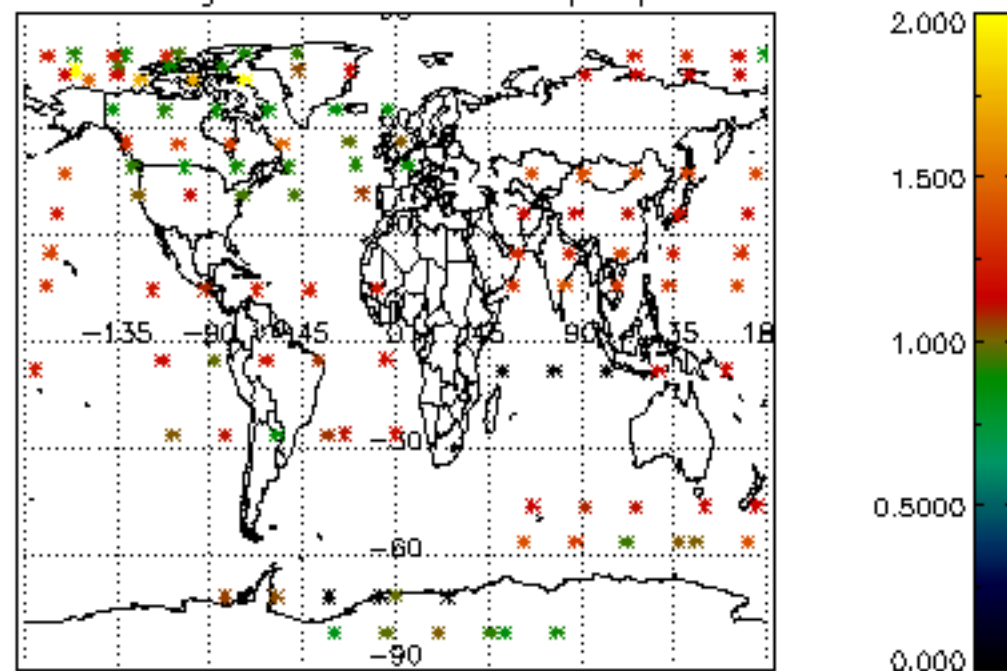




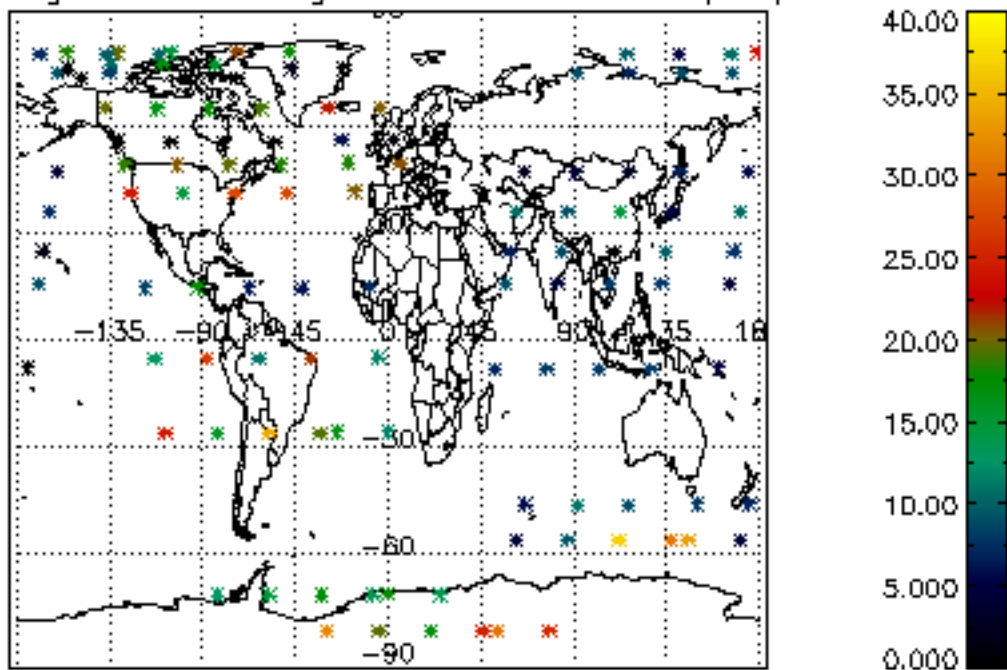
Percentage of cosmic ray hits per profile



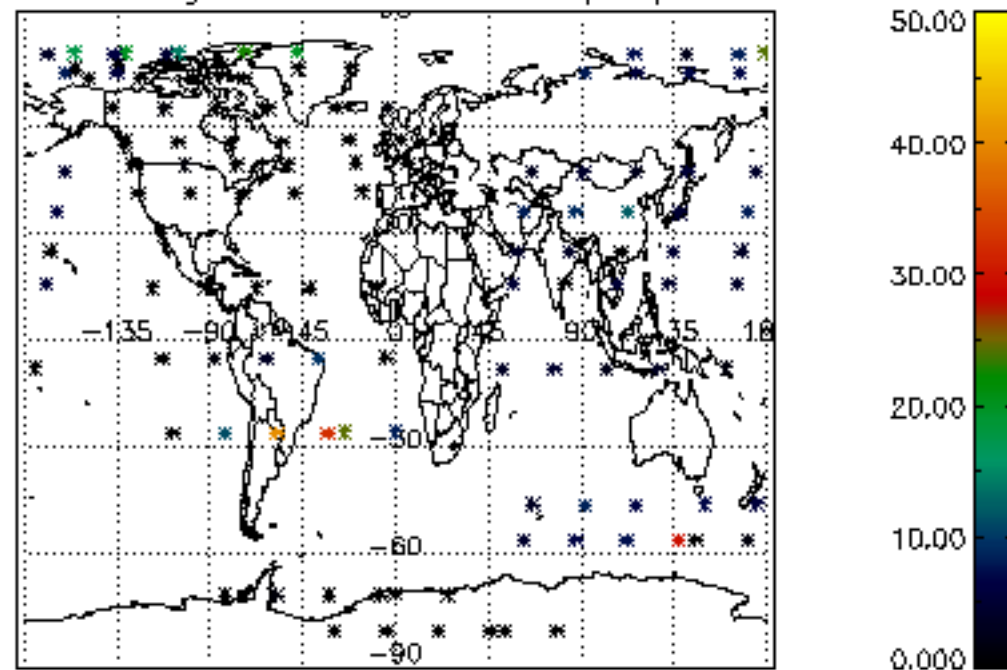
Percentage of datation errors per profile



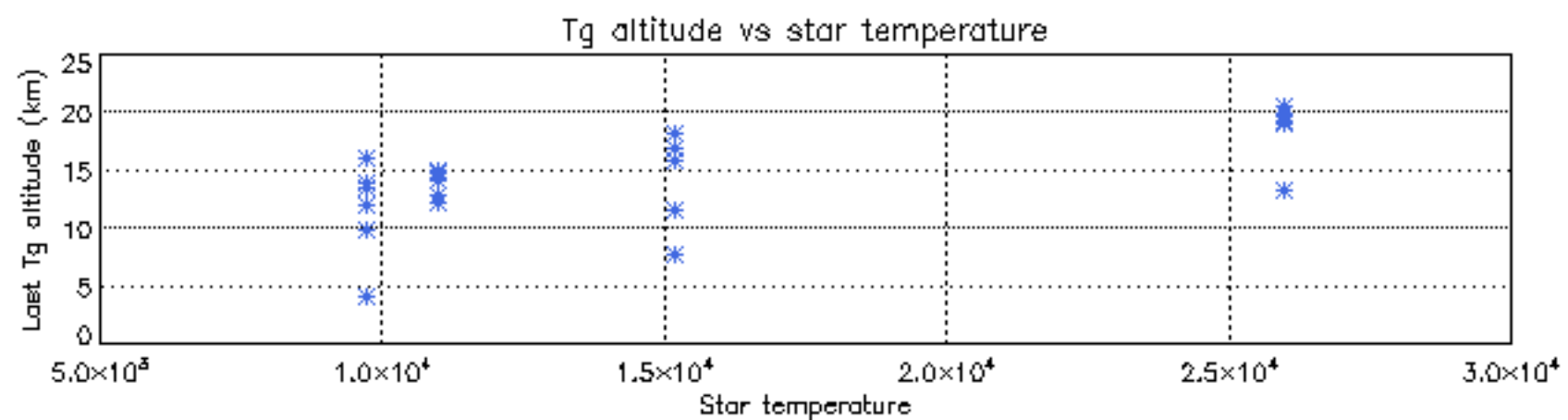
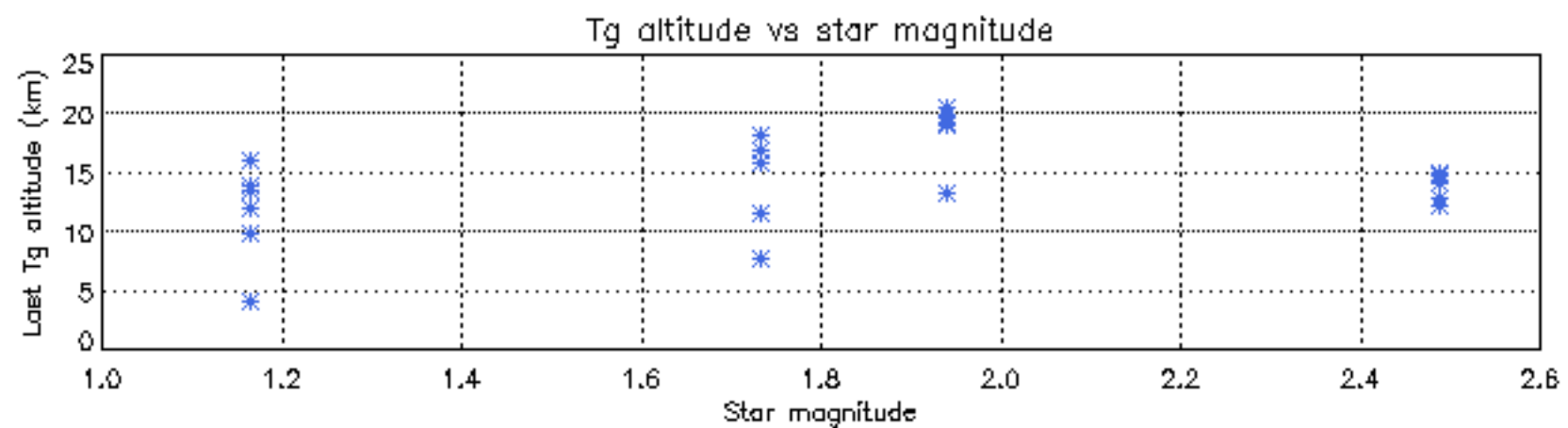
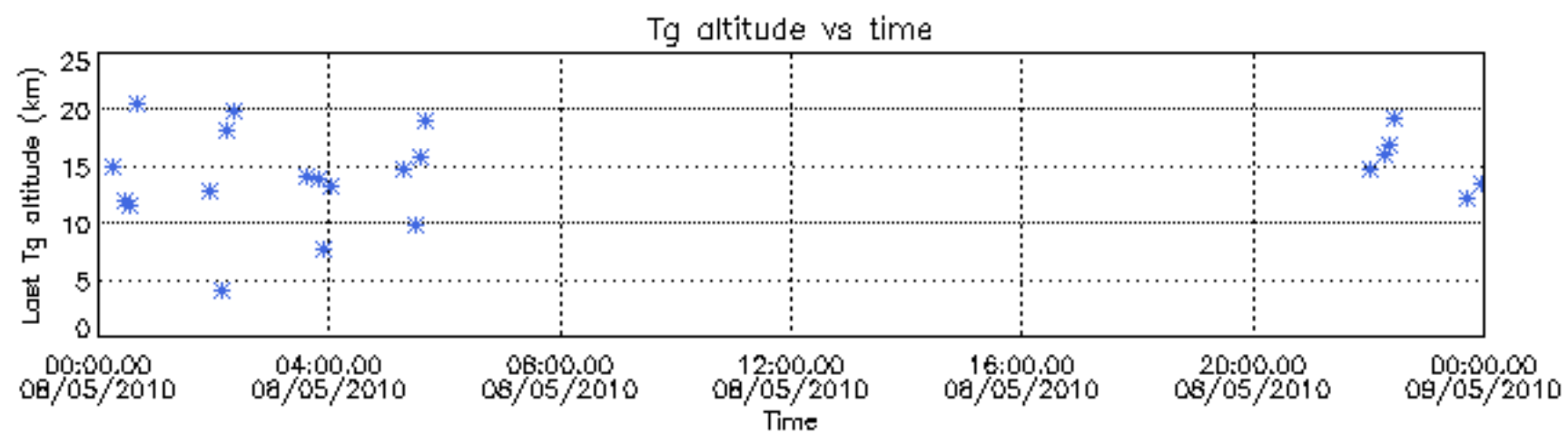
Percentage of star falling outside central band per profile



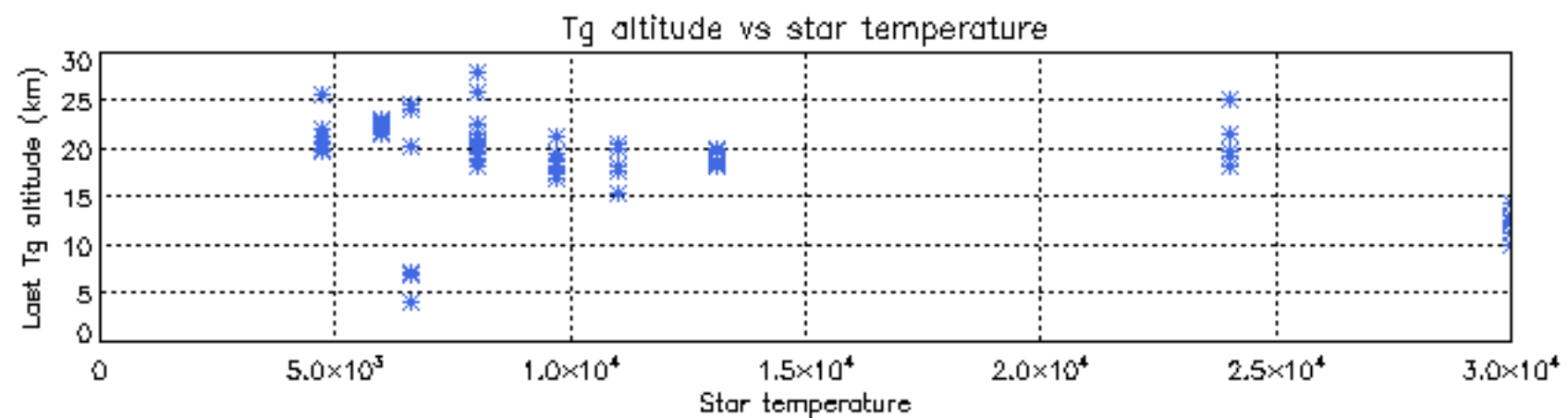
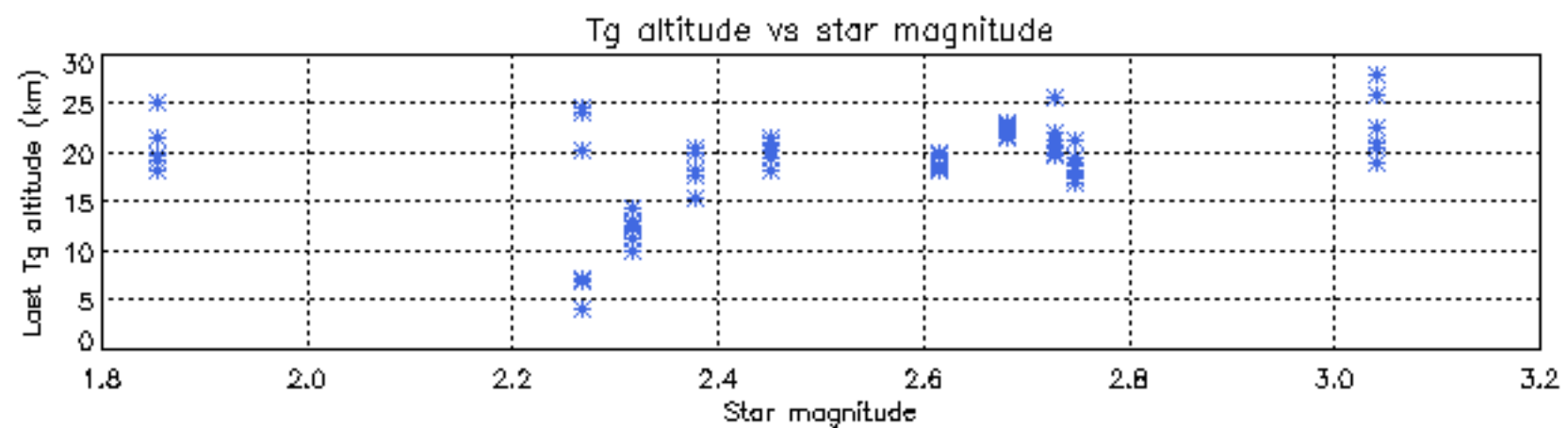
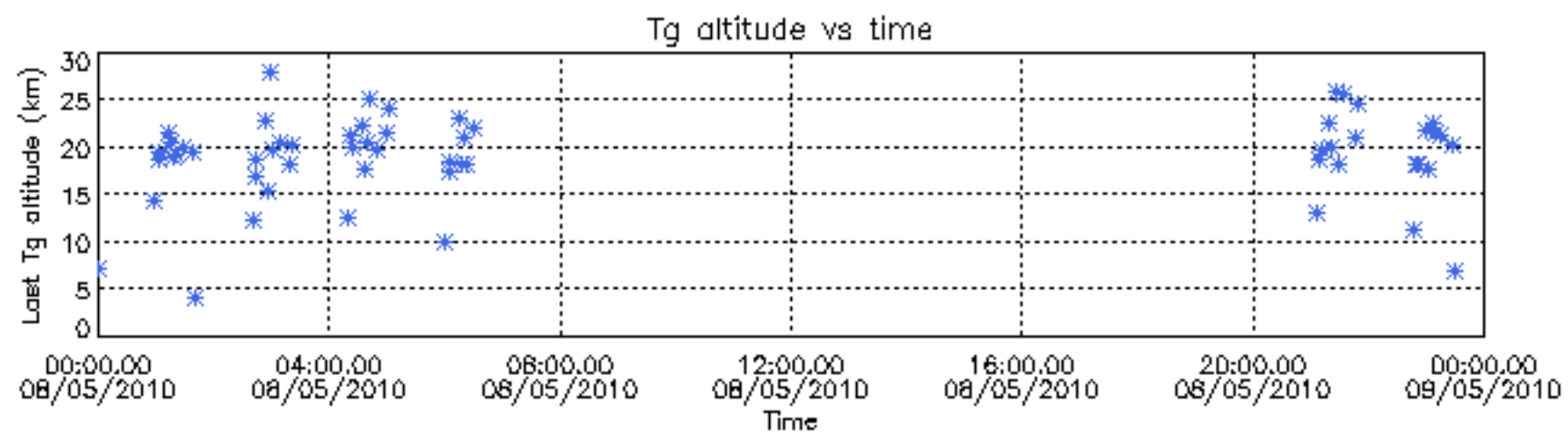
Percentage of saturation errors per profile

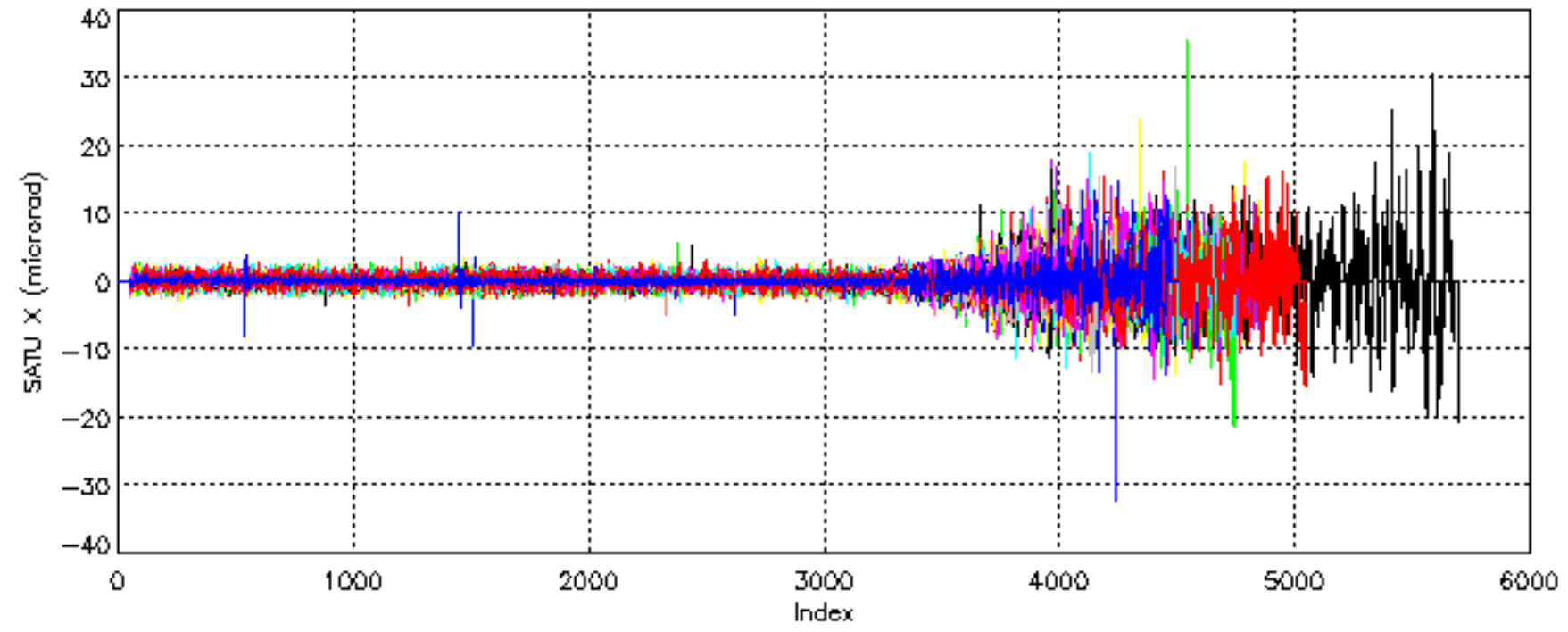


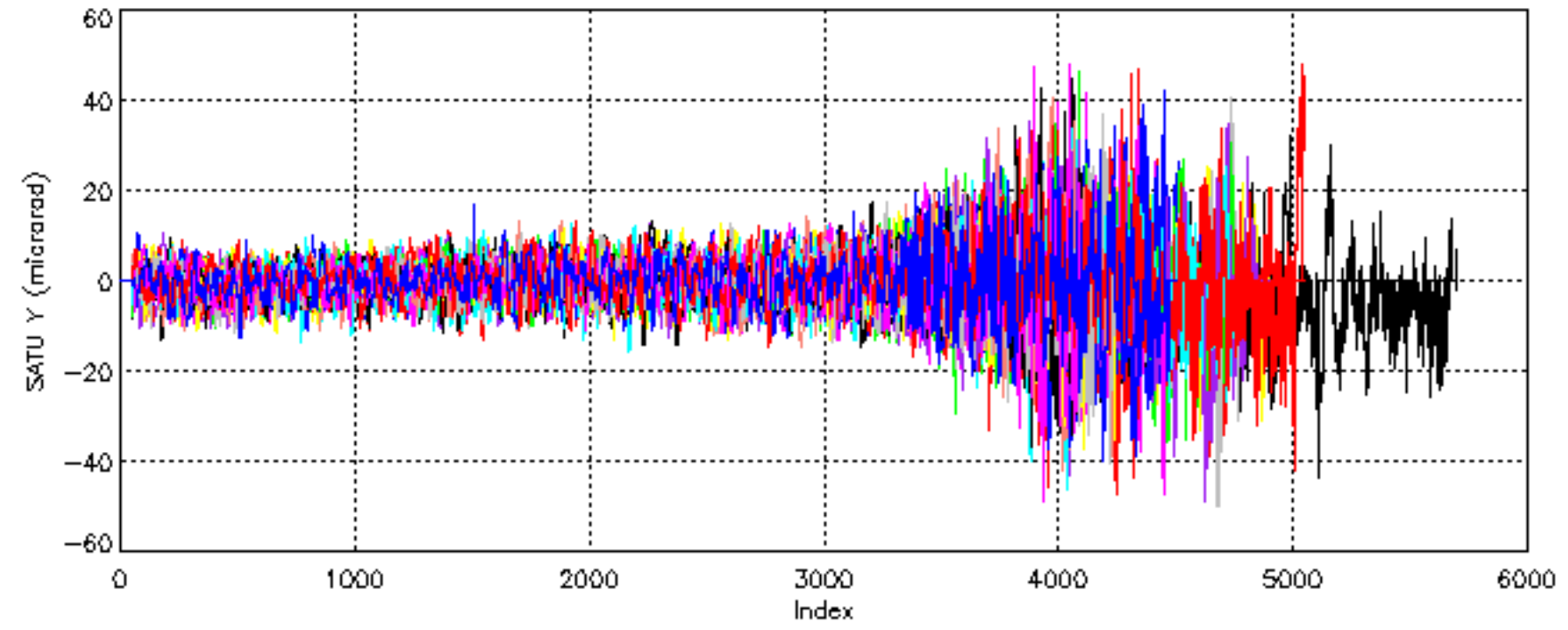
Tangent altitude at which the star is lost

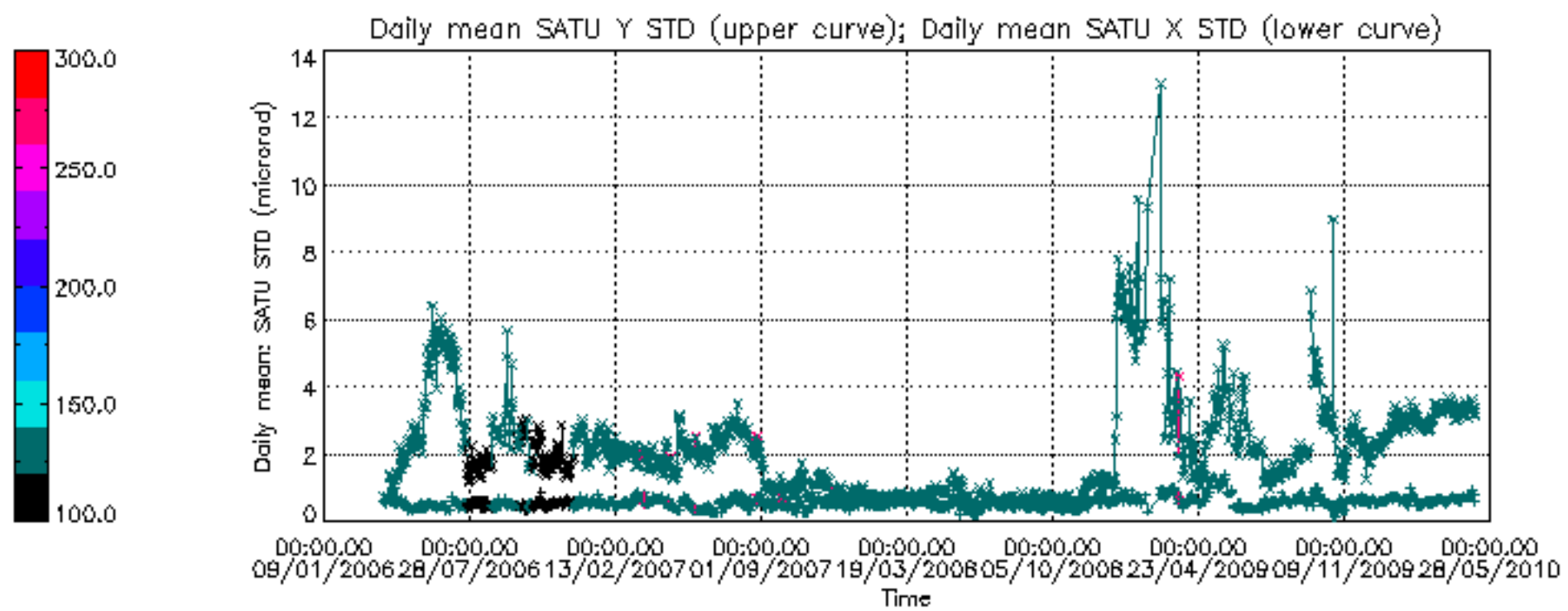


Tangent altitude at which the star is lost









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1; -637.9; 01-MAY-2010 00:44:01; Dark ; 61.5; 154; 22Bet Aqr ; 2.90; 5700;occ; 123; 0;42698
 2; -480.7; 01-MAY-2010 00:46:38; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;42698
 3; 634.8; 01-MAY-2010 01:05:14; Dark ; 43.5; 141; Bet Ara ; 2.84; 4600;occ; 87; 0;42699
 4; 745.6; 01-MAY-2010 01:07:04; Dark ; 53.5; 40; The Sco ; 1.86; 7100;occ; 107; 0;42699
 5; 850.6; 01-MAY-2010 01:08:49; Dark ; 59.0; 25; 35Lam Sco ; 1.62; 28000;occ; 118; 0;42699
 6; 1038.5; 01-MAY-2010 01:11:57; Dark ; 60.0; 75; 26Eps Sco ; 2.29; 4250;occ; 120; 0;42699
 7; 1264.4; 01-MAY-2010 01:15:43; Dark ; 81.0; 16; 21Alp Sco ; 1.02; 3000;occ; 162; 0;42699
 8; 1399.6; 01-MAY-2010 01:17:58; Dark ; 58.5; 80; 7Del Sco ; 2.32; 30000;occ; 117; 0;42699
 9; 1590.0; 01-MAY-2010 01:21:09; Bright; 45.0; 122; 9Alp2Lib ; 2.75; 9700;occ; 90; 0;42699
 10; 1728.2; 01-MAY-2010 01:23:27; Bright; 47.5; 104; 27Bet Lib ; 2.61; 13100;occ; 95; 0;42699
 11; 2233.6; 01-MAY-2010 01:31:52; Bright; 40.0; 111; 8Eta Boo ; 2.68; 6000;occ; 80; 0;42699
 12; 2456.5; 01-MAY-2010 01:35:35; Bright; 45.5; 83; ; 2.38; 11000;occ; 91; 0;42699
 13; 2637.1; 01-MAY-2010 01:38:36; Bright; 40.5; 180; 27Gam Boo ; 3.04; 8000;occ; 81; 0;42699
 14; 2770.6; 01-MAY-2010 01:40:49; Bright; 39.5; 39; 85Eta UMA ; 1.85; 24000;occ; 79; 0;42699
 15; 3211.4; 01-MAY-2010 01:48:10; Bright; 44.5; 119; 14Eta Dra ; 2.73; 4700;occ; 89; 0;42699
 16; 3829.0; 01-MAY-2010 01:58:28; Bright; 50.5; 89; 5Alp Cep ; 2.45; 8000;occ; 101; 0;42699
 17; 4140.5; 01-MAY-2010 02:03:39; Bright; 32.0; 19; 50Alp Cyg ; 1.25; 10500;occ; 64; 0;42699
 18; 4508.1; 01-MAY-2010 02:09:47; Dark ; 51.5; 164; 44Eta Peg ; 2.95; 5400;occ; 103; 0;42699
 19; 4773.4; 01-MAY-2010 02:14:12; Dark ; 45.0; 90; 54Alp Peg ; 2.49; 11000;occ; 90; 0;42699
 20; 5030.5; 01-MAY-2010 02:18:29; Dark ; 54.5; 61; 8Eps Peg ; 2.10; 3900;occ; 109; 0;42699

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 3; -636.8; 01-MAY-2010 02:24:38; Dark ; 62.0; 154; 22Bet Aqr ; 2.90; 5700;occ; 124; 0;42699
 4; -479.6; 01-MAY-2010 02:27:15; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;42699
 5; 635.3; 01-MAY-2010 02:45:50; Dark ; 42.0; 141; Bet Ara ; 2.84; 4600;occ; 84; 0;42700
 6; 746.6; 01-MAY-2010 02:47:41; Dark ; 55.0; 40; The Sco ; 1.86; 7100;occ; 110; 0;42700
 7; 851.7; 01-MAY-2010 02:49:26; Dark ; 57.5; 25; 35Lam Sco ; 1.62; 28000;occ; 115; 0;42700
 8; 1039.1; 01-MAY-2010 02:52:34; Dark ; 64.5; 75; 26Eps Sco ; 2.29; 4250;occ; 129; 0;42700
 9; 1264.8; 01-MAY-2010 02:56:19; Dark ; 68.0; 16; 21Alp Sco ; 1.02; 3000;occ; 136; 0;42700
 10; 1400.2; 01-MAY-2010 02:58:35; Dark ; 59.0; 80; 7Del Sco ; 2.32; 30000;occ; 118; 0;42700
 11; 1590.1; 01-MAY-2010 03:01:45; Bright; 43.5; 122; 9Alp2Lib ; 2.75; 9700;occ; 87; 0;42700
 12; 1728.1; 01-MAY-2010 03:04:03; Bright; 50.5; 104; 27Bet Lib ; 2.61; 13100;occ; 101; 0;42700
 13; 2233.6; 01-MAY-2010 03:12:28; Bright; 38.0; 111; 8Eta Boo ; 2.68; 6000;occ; 76; 0;42700
 14; 2456.1; 01-MAY-2010 03:16:11; Bright; 46.0; 83; ; 2.38; 11000;occ; 92; 0;42700
 15; 2636.6; 01-MAY-2010 03:19:11; Bright; 41.0; 180; 27Gam Boo ; 3.04; 8000;occ; 82; 0;42700
 16; 2770.8; 01-MAY-2010 03:21:25; Bright; 40.0; 39; 85Eta UMA ; 1.85; 24000;occ; 80; 0;42700
 17; 3210.9; 01-MAY-2010 03:28:46; Bright; 44.0; 119; 14Eta Dra ; 2.73; 4700;occ; 88; 0;42700

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 2; -1895.8; 01-MAY-2010 03:44:15; Bright; 27.0; 19; 50Alp Cyg ; 1.25; 10500;occ; 54; 0;42700
 3; -1527.6; 01-MAY-2010 03:50:23; Dark ; 50.5; 164; 44Eta Peg ; 2.95; 5400;occ; 101; 0;42700
 4; -1262.2; 01-MAY-2010 03:54:48; Dark ; 46.0; 90; 54Alp Peg ; 2.49; 11000;occ; 92; 0;42700
 5; -1004.5; 01-MAY-2010 03:59:06; Dark ; 66.5; 61; 8Eps Peg ; 2.10; 3900;occ; 133; 0;42700
 6; -858.3; 01-MAY-2010 04:01:32; Dark ; 54.0; 162; 34Alp Aqr ; 2.94; 5350;occ; 108; 0;42700
 7; -635.9; 01-MAY-2010 04:05:15; Dark ; 59.0; 154; 22Bet Aqr ; 2.90; 5700;occ; 118; 0;42700
 8; -478.4; 01-MAY-2010 04:07:52; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;42700
 9; -239.1; 01-MAY-2010 04:11:52; Dark ; 42.5; 172; Gam Gru ; 3.00; 13100;occ; 85; 0;42700
 10; 635.9; 01-MAY-2010 04:26:27; Dark ; 42.5; 141; Bet Ara ; 2.84; 4600;occ; 85; 0;42701
 11; 747.2; 01-MAY-2010 04:28:18; Dark ; 50.5; 40; The Sco ; 1.86; 7100;occ; 101; 0;42701
 12; 852.4; 01-MAY-2010 04:30:03; Dark ; 55.5; 25; 35Lam Sco ; 1.62; 28000;occ; 111; 0;42701
 13; 1039.9; 01-MAY-2010 04:33:11; Dark ; 59.0; 75; 26Eps Sco ; 2.29; 4250;occ; 118; 0;42701
 14; 1265.2; 01-MAY-2010 04:36:56; Dark ; 70.5; 16; 21Alp Sco ; 1.02; 3000;occ; 141; 0;42701
 15; 1400.2; 01-MAY-2010 04:39:11; Dark ; 62.0; 80; 7Del Sco ; 2.32; 30000;occ; 124; 0;42701
 16; 1590.1; 01-MAY-2010 04:42:21; Bright; 44.5; 122; 9Alp2Lib ; 2.75; 9700;occ; 89; 0;42701
 17; 1728.1; 01-MAY-2010 04:44:39; Bright; 49.5; 104; 27Bet Lib ; 2.61; 13100;occ; 99; 0;42701
 18; 2233.3; 01-MAY-2010 04:53:04; Bright; 38.5; 111; 8Eta Boo ; 2.68; 6000;occ; 77; 0;42701
 19; 2455.6; 01-MAY-2010 04:56:46; Bright; 47.5; 83; ; 2.38; 11000;occ; 95; 0;42701
 20; 2635.9; 01-MAY-2010 04:59:47; Bright; 43.5; 180; 27Gam Boo ; 3.04; 8000;occ; 87; 0;42701
 21; 2770.2; 01-MAY-2010 05:02:01; Bright; 37.5; 39; 85Eta UMA ; 1.85; 24000;occ; 75; 0;42701
 22; 3210.0; 01-MAY-2010 05:09:21; Bright; 44.5; 119; 14Eta Dra ; 2.73; 4700;occ; 89; 0;42701

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 2; -1896.2; 01-MAY-2010 05:24:50; Bright; 27.0; 19; 50Alp Cyg ; 1.25; 10500;occ; 54; 0;42701
 3; -1527.4; 01-MAY-2010 05:30:59; Dark ; 51.0; 164; 44Eta Peg ; 2.95; 5400;occ; 102; 0;42701
 4; -1262.2; 01-MAY-2010 05:35:24; Dark ; 47.5; 90; 54Alp Peg ; 2.49; 11000;occ; 95; 0;42701
 5; -1003.5; 01-MAY-2010 05:39:43; Dark ; 62.5; 61; 8Eps Peg ; 2.10; 3900;occ; 125; 0;42701

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7; -634.5; 01-MAY-2010 05:45:52; Dark ; 61.0; 154; 22Bet Aqr ; 2.90; 5700;occ; 122; 0;42701
8; -477.2; 01-MAY-2010 05:48:29; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;42701
9; -238.3; 01-MAY-2010 05:52:28; Dark ; 41.0; 172; Gam Gru ; 3.00; 13100;occ; 82; 0;42701
10; 636.8; 01-MAY-2010 06:07:03; Dark ; 51.5; 141; Bet Ara ; 2.84; 4600;occ; 103; 0;42702
11; 748.3; 01-MAY-2010 06:08:55; Dark ; 59.0; 40; The Sco ; 1.86; 7100;occ; 118; 0;42702
12; 853.3; 01-MAY-2010 06:10:40; Dark ; 61.5; 25; 35Lam Sco ; 1.62; 28000;occ; 123; 0;42702
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14; 1266.1; 01-MAY-2010 06:17:33; Dark ; 81.0; 16; 21Alp Sco ; 1.02; 3000;occ; 162; 0;42702
15; 1400.5; 01-MAY-2010 06:19:47; Dark ; 61.0; 80; 7Del Sco ; 2.32; 30000;occ; 122; 0;42702
16; 1590.3; 01-MAY-2010 06:22:57; Bright; 46.0; 122; 9Alp2Lib ; 2.75; 9700;occ; 92; 0;42702
17; 1728.2; 01-MAY-2010 06:25:15; Bright; 49.0; 104; 27Bet Lib ; 2.61; 13100;occ; 98; 0;42702
18; 2233.1; 01-MAY-2010 06:33:40; Bright; 40.0; 111; 8Eta Boo ; 2.68; 6000;occ; 80; 0;42702
19; 2455.2; 01-MAY-2010 06:37:22; Bright; 48.0; 83; ; 2.38; 11000;occ; 96; 0;42702
20; 2635.6; 01-MAY-2010 06:40:22; Bright; 43.0; 180; 27Gam Boo ; 3.04; 8000;occ; 86; 0;42702
21; 2770.3; 01-MAY-2010 06:42:37; Bright; 36.5; 39; 85Eta UMa ; 1.85; 24000;occ; 73; 0;42702
22; 3209.5; 01-MAY-2010 06:49:56; Bright; 45.0; 119; 14Eta Dra ; 2.73; 4700;occ; 90; 0;42702
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3; 1269.7; 01-MAY-2010 19:42:24; Dark ; 70.5; 16; 21Alp Sco ; 1.02; 3000;occ; 141; 0;42710
4; 1403.0; 01-MAY-2010 19:44:37; Dark ; 57.5; 80; 7Del Sco ; 2.32; 30000;occ; 115; 0;42710
5; 1591.3; 01-MAY-2010 19:47:46; Bright; 42.0; 122; 9Alp2Lib ; 2.75; 9700;occ; 84; 0;42710
6; 1727.9; 01-MAY-2010 19:50:02; Bright; 48.0; 104; 27Bet Lib ; 2.61; 13100;occ; 96; 0;42710
7; 2231.6; 01-MAY-2010 19:58:26; Bright; 38.0; 111; 8Eta Boo ; 2.68; 6000;occ; 76; 0;42710
8; 2450.9; 01-MAY-2010 20:02:05; Bright; 46.5; 83; ; 2.38; 11000;occ; 93; 0;42710
9; 2632.0; 01-MAY-2010 20:05:06; Bright; 40.5; 180; 27Gam Boo ; 3.04; 8000;occ; 81; 0;42710
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12; 3825.4; 01-MAY-2010 20:25:00; Bright; 40.5; 89; 5Alp Cep ; 2.45; 8000;occ; 81; 0;42710
13; 4509.7; 01-MAY-2010 20:36:24; Dark ; 49.5; 164; 44Eta Peg ; 2.95; 5400;occ; 99; 0;42710
14; 4776.8; 01-MAY-2010 20:40:51; Dark ; 46.0; 90; 54Alp Peg ; 2.49; 11000;occ; 92; 0;42710
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6; 642.3; 01-MAY-2010 21:12:32; Dark ; 42.0; 141; Bet Ara ; 2.84; 4600;occ; 84; 0;42711
7; 756.0; 01-MAY-2010 21:14:26; Dark ; 60.5; 40; The Sco ; 1.86; 7100;occ; 121; 0;42711
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9; 1046.9; 01-MAY-2010 21:19:17; Dark ; 63.5; 75; 26Eps Sco ; 2.29; 4250;occ; 127; 0;42711
10; 1270.3; 01-MAY-2010 21:23:00; Dark ; 68.5; 16; 21Alp Sco ; 1.02; 3000;occ; 137; 0;42711
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13; 1727.6; 01-MAY-2010 21:30:38; Bright; 49.0; 104; 27Bet Lib ; 2.61; 13100;occ; 98; 0;42711
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15; 2450.2; 01-MAY-2010 21:42:40; Bright; 43.5; 83; ; 2.38; 11000;occ; 87; 0;42711
16; 2631.5; 01-MAY-2010 21:45:42; Bright; 39.5; 180; 27Gam Boo ; 3.04; 8000;occ; 79; 0;42711
17; 2769.3; 01-MAY-2010 21:47:59; Bright; 37.0; 39; 85Eta UMa ; 1.85; 24000;occ; 74; 0;42711
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19; 3825.1; 01-MAY-2010 22:05:35; Bright; 45.5; 89; 5Alp Cep ; 2.45; 8000;occ; 91; 0;42711
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3; 642.7; 01-MAY-2010 22:53:09; Dark ; 44.5; 141; Bet Ara ; 2.84; 4600;occ; 89; 0;42712
4; 757.1; 01-MAY-2010 22:55:03; Dark ; 52.5; 40; The Sco ; 1.86; 7100;occ; 105; 0;42712
5; 862.9; 01-MAY-2010 22:56:49; Dark ; 59.0; 25; 35Lam Sco ; 1.62; 28000;occ; 118; 0;42712
6; 1047.6; 01-MAY-2010 22:59:54; Dark ; 60.5; 75; 26Eps Sco ; 2.29; 4250;occ; 121; 0;42712
7; 1270.7; 01-MAY-2010 23:03:37; Dark ; 80.0; 16; 21Alp Sco ; 1.02; 3000;occ; 160; 0;42712
8; 1403.6; 01-MAY-2010 23:05:50; Dark ; 60.5; 80; 7Del Sco ; 2.32; 30000;occ; 121; 0;42712
9; 1591.3; 01-MAY-2010 23:08:57; Bright; 45.5; 122; 9Alp2Lib ; 2.75; 9700;occ; 91; 0;42712
10; 1727.4; 01-MAY-2010 23:11:13; Bright; 46.5; 104; 27Bet Lib ; 2.61; 13100;occ; 93; 0;42712

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12; 2449.8; 01-MAY-2010 23:23:16; Bright; 45.5; 83; ; 2.38; 11000;occ; 91; 0;42712
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3; 2229.8; 02-MAY-2010 14:24:59; Bright; 38.5; 111; 8Eta Boo ; 2.68; 6000;occ; 77; 0;42721
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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
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 4; -793.7; 06-MAY-2010 06:26:20; Dark ; 59.5; 162; 34Alp Aqr ; 2.94; 5350;occ; 119; 0;42773
 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
 9; 1088.5; 06-MAY-2010 06:57:42; Dark ; 57.5; 75; 26Eps Sco ; 2.29; 4250;occ; 115; 0;42774
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 11; 1420.8; 06-MAY-2010 07:03:15; Dark ; 56.5; 80; 7Del Sco ; 2.32; 30000;occ; 113; 0;42774
 12; 1598.4; 06-MAY-2010 07:06:12; Bright; 41.5; 122; 9Alp2Lib ; 2.75; 9700;occ; 83; 0;42774
 13; 1725.3; 06-MAY-2010 07:08:19; Bright; 31.5; 104; 27Bet Lib ; 2.61; 13100;occ; 63; 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
 12; 5855.2; 06-MAY-2010 08:17:09; Dark ; 42.0; 172; Gam Gru ; 3.00; 13100;occ; 84; 0;42774
 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
 15; 7125.2; 06-MAY-2010 08:38:19; Dark ; 57.0; 75; 26Eps Sco ; 2.29; 4250;occ; 114; 0;42775
 16; 7335.5; 06-MAY-2010 08:41:49; Dark ; 66.5; 16; 21Alp Sco ; 1.02; 3000;occ; 133; 0;42775
 17; 7457.3; 06-MAY-2010 08:43:51; Dark ; 59.0; 80; 7Del Sco ; 2.32; 30000;occ; 118; 0;42775
 18; 7634.5; 06-MAY-2010 08:46:48; Bright; 42.0; 122; 9Alp2Lib ; 2.75; 9700;occ; 84; 0;42775
 19; 7761.2; 06-MAY-2010 08:48:55; Bright; 43.0; 104; 27Bet Lib ; 2.61; 13100;occ; 86; 0;42775

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 3; 2247.9; 06-MAY-2010 08:57:38; Bright; 43.0; 3; 16Alp Boo ; -0.05; 4250;occ; 86; 0;42775
 4; 2422.0; 06-MAY-2010 09:00:32; Bright; 43.0; 83; ; 2.38; 11000;occ; 86; 0;42775
 5; 2517.2; 06-MAY-2010 09:02:07; Bright; 50.5; 67; 5Alp CrB ; 2.22; 11000;occ; 101; 0;42775
 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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 9; 4799.3; 06-MAY-2010 09:40:09; Dark ; 50.0; 90; 54Alp Peg ; 2.49; 11000;occ; 100; 0;42775
 10; 5244.3; 06-MAY-2010 09:47:34; Dark ; 62.5; 162; 34Alp Aqr ; 2.94; 5350;occ; 125; 0;42775
 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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 2; 1725.3; 06-MAY-2010 10:29:31; Bright; 44.5; 104; 27Bet Lib ; 2.61; 13100;occ; 89; 0;42776
 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
 9; 4550.5; 06-MAY-2010 11:16:36; Dark ; 61.0; 93; 53Bet Peg ; 2.52; 3100;occ; 122; 0;42776
 10; 4799.8; 06-MAY-2010 11:20:45; Dark ; 47.0; 90; 54Alp Peg ; 2.49; 11000;occ; 94; 0;42776
 11; 5245.5; 06-MAY-2010 11:28:11; Dark ; 61.0; 162; 34Alp Aqr ; 2.94; 5350;occ; 122; 0;42776
 12; 5653.3; 06-MAY-2010 11:34:59; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;42776
 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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16; 7126.1; 06-MAY-2010 11:59:32; Dark ; 60.0; 75; 26Eps Sco ; 2.29; 4250;occ; 120; 0;42777
17; 7336.0; 06-MAY-2010 12:03:02; Dark ; 69.5; 16; 21Alp Sco ; 1.02; 3000;occ; 139; 0;42777
18; 7457.4; 06-MAY-2010 12:05:03; Dark ; 54.5; 80; 7Del Sco ; 2.32; 30000;occ; 109; 0;42777
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 2; 1725.1; 06-MAY-2010 12:10:07; Bright; 44.5; 104; 27Bet Lib ; 2.61; 13100;occ; 89; 0;42777
 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
 6; 2516.0; 06-MAY-2010 12:23:18; Bright; 52.0; 67; 5Alp CrB ; 2.22; 11000;occ; 104; 0;42777
 7; 3164.7; 06-MAY-2010 12:34:06; Bright; 44.0; 119; 14Eta Dra ; 2.73; 4700;occ; 88; 0;42777
 8; 3803.6; 06-MAY-2010 12:44:45; Bright; 42.5; 89; 5Alp Cep ; 2.45; 8000;occ; 85; 0;42777
 9; 4550.4; 06-MAY-2010 12:57:12; Dark ; 53.5; 93; 53Bet Peg ; 2.52; 3100;occ; 107; 0;42777
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
14; 6822.2; 06-MAY-2010 13:35:04; Dark ; 68.5; 38; 20Eps Sgr ; 1.84; 11000;occ; 137; 0;42778
15; 6957.8; 06-MAY-2010 13:37:19; Dark ; 57.0; 25; 35Lam Sco ; 1.62; 28000;occ; 114; 0;42778
16; 7127.2; 06-MAY-2010 13:40:09; Dark ; 54.5; 75; 26Eps Sco ; 2.29; 4250;occ; 109; 0;42778
17; 7336.6; 06-MAY-2010 13:43:38; Dark ; 70.5; 16; 21Alp Sco ; 1.02; 3000;occ; 141; 0;42778
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 3; 1725.1; 06-MAY-2010 13:50:43; Bright; 45.0; 104; 27Bet Lib ; 2.61; 13100;occ; 90; 0;42778
 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
 6; 2420.9; 06-MAY-2010 14:02:18; Bright; 41.5; 83; ; 2.38; 11000;occ; 83; 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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 2; 683.9; 06-MAY-2010 16:54:33; Dark ; 45.0; 141; Bet Ara ; 2.84; 4600;occ; 90; 0;42780
 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
 5; 1092.4; 06-MAY-2010 17:01:22; Dark ; 44.5; 75; 26Eps Sco ; 2.29; 4250;occ; 89; 0;42780
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 2; -312.9; 06-MAY-2010 23:20:20; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;42783
 3; -99.0; 06-MAY-2010 23:23:54; Dark ; 50.0; 31; Alp Gru ; 1.73; 15200;occ; 100; 0;42783
 4; 235.4; 06-MAY-2010 23:29:29; Dark ; 40.5; 45; Alp Pav ; 1.94; 26000;occ; 81; 0;42784
 5; 686.1; 06-MAY-2010 23:36:59; Dark ; 42.0; 141; Bet Ara ; 2.84; 4600;occ; 84; 0;42784
 6; 816.8; 06-MAY-2010 23:39:10; Dark ; 55.0; 40; The Sco ; 1.86; 7100;occ; 110; 0;42784
 7; 932.0; 06-MAY-2010 23:41:05; Dark ; 39.0; 115; 34Ups Sco ; 2.70; 26000;occ; 78; 0;42784
 8; 1094.6; 06-MAY-2010 23:43:48; Dark ; 59.5; 75; 26Eps Sco ; 2.29; 4250;occ; 119; 0;42784
 9; 1333.9; 06-MAY-2010 23:47:47; Dark ; 25.0; 156; 20Sig Sco ; 2.90; 28000;occ; 50; 0;42784
10; 1423.3; 06-MAY-2010 23:49:16; Dark ; 52.5; 80; 7Del Sco ; 2.32; 30000;occ; 105; 0;42784
11; 1599.4; 06-MAY-2010 23:52:13; Bright; 41.0; 122; 9Alp2Lib ; 2.75; 9700;occ; 82; 0;42784
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
19; 3801.2; 07-MAY-2010 00:28:54; Bright; 43.0; 89; 5Alp Cep ; 2.45; 8000;occ; 86; 0;42784
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
22; 4802.8; 07-MAY-2010 00:45:36; Dark ; 46.5; 90; 54Alp Peg ; 2.49; 11000;occ; 93; 0;42784

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 6; 2420.2; 06-MAY-2010 17:23:30; Bright; 42.0; 83; ; 2.38; 11000;occ; 84; 0;42780
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 8; 2755.5; 06-MAY-2010 17:29:05; Bright; 39.0; 39; 85Eta UMa ; 1.85; 24000;occ; 78; 0;42780
 9; 2842.1; 06-MAY-2010 17:30:32; Bright; 37.0; 55; 79Zet UMa ; 2.06; 10200;occ; 74; 0;42780
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 15; 5585.7; 06-MAY-2010 18:16:15; Dark ; 46.5; 18; 24Alp PsA ; 1.17; 9700;occ; 93; 0;42780
 16; 5721.0; 06-MAY-2010 18:18:30; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;42780
 17; 5935.1; 06-MAY-2010 18:22:05; Dark ; 46.0; 31; Alp Gru ; 1.73; 15200;occ; 92; 0;42780
 18; 6269.2; 06-MAY-2010 18:27:39; Dark ; 43.5; 45; Alp Pav ; 1.94; 26000;occ; 87; 0;42781
 19; 6720.6; 06-MAY-2010 18:35:10; Dark ; 52.0; 141; Bet Ara ; 2.84; 4600;occ; 104; 0;42781
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 8; 2755.4; 06-MAY-2010 19:09:41; Bright; 36.5; 39; 85Eta UMa ; 1.85; 24000;occ; 73; 0;42781
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19; 2601.6; 07-MAY-2010 06:51:19; Bright; 41.0; 180; 27Gam Boo ; 3.04; 8000;occ; 82; 0;42788
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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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9; 2599.1; 07-MAY-2010 20:16:04; Bright; 41.5; 180; 27Gam Boo ; 3.04; 8000;occ; 83; 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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 17; 2752.9; 08-MAY-2010 01:20:25; Bright; 38.0; 39; 85Eta UMa ; 1.85; 24000;occ; 76; 0;42799
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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
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2;	1725.3;	10-MAY-2010	11:44:15;	Bright;	42.0;	104;	27Bet Lib	;	2.61;	13100;occ;	84;	0;	42834	
3;	2221.1;	10-MAY-2010	11:52:31;	Bright;	36.5;	111;	8Eta Boo	;	2.68;	6000;occ;	73;	0;	42834	
4;	2401.8;	10-MAY-2010	11:55:32;	Bright;	39.5;	83;		;	2.38;	11000;occ;	79;	0;	42834	
5;	2588.1;	10-MAY-2010	11:58:38;	Bright;	39.0;	180;	27Gam Boo	;	3.04;	8000;occ;	78;	0;	42834	
6;	2749.3;	10-MAY-2010	12:01:19;	Bright;	37.5;	39;	85Eta UMa	;	1.85;	24000;occ;	75;	0;	42834	
7;	3133.3;	10-MAY-2010	12:07:43;	Bright;	44.5;	119;	14Eta Dra	;	2.73;	4700;occ;	89;	0;	42834	
8;	3782.9;	10-MAY-2010	12:18:33;	Bright;	43.5;	89;	5Alp Cep	;	2.45;	8000;occ;	87;	0;	42834	
9;	3965.1;	10-MAY-2010	12:21:35;	Bright;	53.0;	74;	11Bet Cas	;	2.27;	6600;occ;	106;	0;	42834	
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11;	4741.3;	10-MAY-2010	12:34:31;	Dark	;	41.0;	140;	88Gam Peg	;	2.83;	26000;occ;	82;	0;	42834
12;	4823.0;	10-MAY-2010	12:35:53;	Dark	;	47.0;	90;	54Alp Peg	;	2.49;	11000;occ;	94;	0;	42834
13;	5619.7;	10-MAY-2010	12:49:09;	Dark	;	46.0;	18;	24Alp PsA	;	1.17;	9700;occ;	92;	0;	42834
14;	5760.8;	10-MAY-2010	12:51:30;	Dark	;	59.5;	0;		;	0.00;	0;occ;	119;	0;	42834
15;	5891.4;	10-MAY-2010	12:53:41;	Dark	;	56.0;	63;	Bet Gru	;	2.15;	2800;occ;	112;	0;	42834
16;	5970.7;	10-MAY-2010	12:55:00;	Dark	;	43.0;	31;	Alp Gru	;	1.73;	15200;occ;	86;	0;	42834
17;	6306.4;	10-MAY-2010	13:00:36;	Dark	;	41.0;	45;	Alp Pav	;	1.94;	26000;occ;	82;	0;	42835
18;	6751.2;	10-MAY-2010	13:08:01;	Dark	;	41.5;	141;	Bet Ara	;	2.84;	4600;occ;	83;	0;	42835
19;	6891.7;	10-MAY-2010	13:10:21;	Dark	;	53.0;	40;	The Sco	;	1.86;	7100;occ;	106;	0;	42835
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
22;	7358.9;	10-MAY-2010	13:18:09;	Dark	;	63.5;	16;	21Alp Sco	;	1.02;	3000;occ;	127;	0;	42835
23;	7472.0;	10-MAY-2010	13:20:02;	Dark	;	56.5;	80;	7Del Sco	;	2.32;	30000;occ;	113;	0;	42835
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2;	1725.2;	10-MAY-2010	13:24:51;	Bright;	42.0;	104;	27Bet Lib	;	2.61;	13100;occ;	84;	0;	42835	
3;	2220.9;	10-MAY-2010	13:33:06;	Bright;	35.0;	111;	8Eta Boo	;	2.68;	6000;occ;	70;	0;	42835	
4;	2401.7;	10-MAY-2010	13:36:07;	Bright;	39.5;	83;		;	2.38;	11000;occ;	79;	0;	42835	
5;	2588.1;	10-MAY-2010	13:39:14;	Bright;	39.0;	180;	27Gam Boo	;	3.04;	8000;occ;	78;	0;	42835	
6;	2748.9;	10-MAY-2010	13:41:54;	Bright;	36.0;	39;	85Eta UMa	;	1.85;	24000;occ;	72;	0;	42835	
7;	3782.3;	10-MAY-2010	13:59:08;	Bright;	43.0;	89;	5Alp Cep	;	2.45;	8000;occ;	86;	0;	42835	
8;	3964.7;	10-MAY-2010	14:02:10;	Bright;	54.0;	74;	11Bet Cas	;	2.27;	6600;occ;	108;	0;	42835	
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17;	6751.9;	10-MAY-2010	14:48:37;	Dark	;	45.0;	141;	Bet Ara	;	2.84;	4600;occ;	90;	0;	42836
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8; 3132.1; 10-MAY-2010 15:28:54; Bright; 43.0; 119; 14Eta Dra ; 2.73; 4700;occ; 86; 0;42836
9; 3782.0; 10-MAY-2010 15:39:43; Bright; 44.0; 89; 5Alp Cep ; 2.45; 8000;occ; 88; 0;42836
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5; 1606.2; 10-MAY-2010 16:44:04; Bright; 38.5; 122; 9Alp2Lib ; 2.75; 9700;occ; 77; 0;42837
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13; 3964.9; 10-MAY-2010 17:23:22; Bright; 40.0; 74; 11Bet Cas ; 2.27; 6600;occ; 80; 0;42837
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17; 5621.7; 10-MAY-2010 17:50:59; Dark ; 49.0; 18; 24Alp PsA ; 1.17; 9700;occ; 98; 0;42837
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19; 5893.5; 10-MAY-2010 17:55:31; Dark ; 47.5; 63; Bet Gru ; 2.15; 2800;occ; 95; 0;42837
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21; 6308.4; 10-MAY-2010 18:02:26; Dark ; 42.0; 45; Alp Pav ; 1.94; 26000;occ; 84; 0;42838
22; 6752.9; 10-MAY-2010 18:09:50; Dark ; 41.5; 141; Bet Ara ; 2.84; 4600;occ; 83; 0;42838
23; 6894.0; 10-MAY-2010 18:12:12; Dark ; 54.5; 40; The Sco ; 1.86; 7100;occ; 109; 0;42838
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17; 5764.0; 10-MAY-2010 19:33:57; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;42838
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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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11; 727.8; 12-MAY-2010 03:42:00; Dark ; 42.0; 141; Bet Ara ; 2.84; 4600;occ; 84; 0;42858
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13; 984.5; 12-MAY-2010 03:46:16; Dark ; 56.5; 25; 35Lam Sco ; 1.62; 28000;occ; 113; 0;42858
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 7; 3771.7; 12-MAY-2010 09:34:32; Bright; 46.0; 89; 5Alp Cep ; 2.45; 8000;occ; 92; 0;42861
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 23; 6769.2; 12-MAY-2010 20:28:05; Dark ; 49.0; 141; Bet Ara ; 2.84; 4600;occ; 98; 0;42868
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 25; 7027.3; 12-MAY-2010 20:32:23; Dark ; 53.0; 25; 35Lam Sco ; 1.62; 28000;occ; 106; 0;42868

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 6; 1725.7; 12-MAY-2010 20:44:37; Bright; 40.5; 104; 27Bet Lib ; 2.61; 13100;occ; 81; 0;42868
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 13; 3769.1; 12-MAY-2010 21:18:41; Bright; 44.0; 89; 5Alp Cep ; 2.45; 8000;occ; 88; 0;42868
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 16; 4750.4; 12-MAY-2010 21:35:02; Dark ; 40.0; 140; 88Gam Peg ; 2.83; 26000;occ; 80; 0;42868
 17; 4838.1; 12-MAY-2010 21:36:30; Dark ; 51.5; 90; 54Alp Peg ; 2.49; 11000;occ; 103; 0;42868

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 9; 1141.8; 12-MAY-2010 22:15:29; Dark ; 53.5; 75; 26Eps Sco ; 2.29; 4250;occ; 107; 0;42869
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 12; 1609.8; 12-MAY-2010 22:23:17; Bright; 39.0; 122; 9Alp2Lib ; 2.75; 9700;occ; 78; 0;42869


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18; 2747.0; 12-MAY-2010 22:42:14; Bright; 35.0; 39; 85Eta UMa ; 1.85; 24000;occ; 70; 0;42869
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5;-1188.7; 14-MAY-2010 05:28:01; Dark ; 55.5; 90; 54Alp Peg ; 2.49; 11000;occ; 111; 0;42887
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7; -232.0; 14-MAY-2010 05:43:58; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;42887
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9; 307.3; 14-MAY-2010 05:52:57; Dark ; 42.0; 45; Alp Pav ; 1.94; 26000;occ; 84; 0;42888
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13; 1151.0; 14-MAY-2010 06:07:01; Dark ; 52.0; 75; 26Eps Sco ; 2.29; 4250;occ; 104; 0;42888
14; 1341.8; 14-MAY-2010 06:10:12; Dark ; 67.0; 16; 21Alp Sco ; 1.02; 3000;occ; 134; 0;42888
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5; 2388.1; 14-MAY-2010 08:08:14; Bright; 40.0; 83; ; 2.38; 11000;occ; 80; 0;42889
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8; 3760.4; 14-MAY-2010 08:31:06; Bright; 44.0; 89; 5Alp Cep ; 2.45; 8000;occ; 88; 0;42889
9; 3963.0; 14-MAY-2010 08:34:29; Bright; 54.0; 74; 11Bet Cas ; 2.27; 6600;occ; 108; 0;42889
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4; 2387.6; 14-MAY-2010 09:48:49; Bright; 41.0; 83; ; 2.38; 11000;occ; 82; 0;42890
5; 2575.6; 14-MAY-2010 09:51:57; Bright; 38.5; 180; 27Gam Boo ; 3.04; 8000;occ; 77; 0;42890
6; 3104.2; 14-MAY-2010 10:00:46; Bright; 42.5; 119; 14Eta Dra ; 2.73; 4700;occ; 85; 0;42890
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4; 2387.4; 14-MAY-2010 11:29:25; Bright; 40.5; 83; ; 2.38; 11000;occ; 81; 0;42891
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9; 4573.7; 14-MAY-2010 12:05:51; Dark ; 55.0; 93; 53Bet Peg ; 2.52; 3100;occ; 110; 0;42891
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6; 3103.5; 14-MAY-2010 13:21:57; Bright; 44.0; 119; 14Eta Dra ; 2.73; 4700;occ; 88; 0;42892
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17; 6783.1; 14-MAY-2010 16:03:53; Dark ; 41.5; 141; Bet Ara ; 2.84; 4600;occ; 83; 0;42894
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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
19; 6963.9; 15-MAY-2010 17:15:52; Dark ; 27.0; 38; 20Eps Sgr ; 1.84; 11000;occ; 54; 0;42909
20; 7055.3; 15-MAY-2010 17:17:24; Dark ; 54.5; 25; 35Lam Sco ; 1.62; 28000;occ; 109; 0;42909
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3; 1506.0; 15-MAY-2010 17:25:30; Bright; 47.5; 97; 8Bet1Sco ; 2.56; 30000;occ; 95; 0;42909
4; 1727.0; 15-MAY-2010 17:29:11; Bright; 39.5; 104; 27Bet Lib ; 2.61; 13100;occ; 79; 0;42909
5; 1858.3; 15-MAY-2010 17:31:23; Bright; 50.0; 120; 1Del Oph ; 2.73; 3200;occ; 100; 0;42909
6; 2049.0; 15-MAY-2010 17:34:33; Bright; 44.0; 102; 24Alp Ser ; 2.60; 4250;occ; 88; 0;42909
7; 2383.9; 15-MAY-2010 17:40:08; Bright; 41.5; 83; ; 2.38; 11000;occ; 83; 0;42909
8; 2571.9; 15-MAY-2010 17:43:16; Bright; 38.5; 180; 27Gam Boo ; 3.04; 8000;occ; 77; 0;42909
9; 3095.2; 15-MAY-2010 17:52:00; Bright; 39.5; 119; 14Eta Dra ; 2.73; 4700;occ; 79; 0;42909
10; 3751.6; 15-MAY-2010 18:02:56; Bright; 44.5; 89; 5Alp Cep ; 2.45; 8000;occ; 89; 0;42909
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12; 4577.6; 15-MAY-2010 18:16:42; Dark ; 61.0; 93; 53Bet Peg ; 2.52; 3100;occ; 122; 0;42909
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14; 4858.5; 15-MAY-2010 18:21:23; Dark ; 54.0; 90; 54Alp Peg ; 2.49; 11000;occ; 108; 0;42909
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16; 5823.0; 15-MAY-2010 18:37:27; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;42909
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18; 6358.8; 15-MAY-2010 18:46:23; Dark ; 41.5; 45; Alp Pav ; 1.94; 26000;occ; 83; 0;42910
19; 6791.4; 15-MAY-2010 18:53:36; Dark ; 44.0; 141; Bet Ara ; 2.84; 4600;occ; 88; 0;42910
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3; 1161.8; 15-MAY-2010 19:00:22; Dark ; 52.0; 75; 26Eps Sco ; 2.29; 4250;occ; 104; 0;42910
4; 1348.6; 15-MAY-2010 19:03:29; Dark ; 61.0; 16; 21Alp Sco ; 1.02; 3000;occ; 122; 0;42910
5; 1506.1; 15-MAY-2010 19:06:07; Bright; 45.5; 97; 8Bet1Sco ; 2.56; 30000;occ; 91; 0;42910

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

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2; 1020.7; 15-MAY-2010 20:38:37; Dark ; 53.5; 25; 35Lam Sco ; 1.62; 28000;occ; 107; 0;42911
3; 1162.2; 15-MAY-2010 20:40:59; Dark ; 52.0; 75; 26Eps Sco ; 2.29; 4250;occ; 104; 0;42911
4; 1349.0; 15-MAY-2010 20:44:05; Dark ; 56.5; 16; 21Alp Sco ; 1.02; 3000;occ; 113; 0;42911
5; 1506.3; 15-MAY-2010 20:46:43; Bright; 45.5; 97; 8Bet1Sco ; 2.56; 30000;occ; 91; 0;42911
6; 1726.9; 15-MAY-2010 20:50:23; Bright; 41.0; 104; 27Bet Lib ; 2.61; 13100;occ; 82; 0;42911
7; 1857.7; 15-MAY-2010 20:52:34; Bright; 50.5; 120; 1Del Oph ; 2.73; 3200;occ; 101; 0;42911
8; 2048.5; 15-MAY-2010 20:55:45; Bright; 44.0; 102; 24Alp Ser ; 2.60; 4250;occ; 88; 0;42911
9; 2383.4; 15-MAY-2010 21:01:20; Bright; 40.0; 83; ; 2.38; 11000;occ; 80; 0;42911
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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
14; 4513.5; 15-MAY-2010 21:36:50; Dark ; 44.0; 58; 21Alp And ; 2.07; 11000;occ; 88; 0;42911
15; 4762.1; 15-MAY-2010 21:40:59; Dark ; 44.5; 140; 88Gam Peg ; 2.83; 26000;occ; 89; 0;42911
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3; -9.6; 15-MAY-2010 22:02:03; Dark ; 43.0; 31; Alp Gru ; 1.73; 15200;occ; 86; 0;42911
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
10; 1506.3; 15-MAY-2010 22:27:19; Bright; 45.5; 97; 8Bet1Sco ; 2.56; 30000;occ; 91; 0;42912
11; 1727.0; 15-MAY-2010 22:30:59; Bright; 39.5; 104; 27Bet Lib ; 2.61; 13100;occ; 79; 0;42912
12; 1857.4; 15-MAY-2010 22:33:10; Bright; 50.5; 120; 1Del Oph ; 2.73; 3200;occ; 101; 0;42912
13; 2048.0; 15-MAY-2010 22:36:20; Bright; 44.5; 102; 24Alp Ser ; 2.60; 4250;occ; 89; 0;42912
14; 2382.9; 15-MAY-2010 22:41:55; Bright; 40.0; 83; ; 2.38; 11000;occ; 80; 0;42912
15; 2571.3; 15-MAY-2010 22:45:04; Bright; 38.5; 180; 27Gam Boo ; 3.04; 8000;occ; 77; 0;42912
16; 3093.7; 15-MAY-2010 22:53:46; Bright; 61.0; 119; 14Eta Dra ; 2.73; 4700;occ; 122; 0;42912
17; 3750.1; 15-MAY-2010 23:04:42; Bright; 44.0; 89; 5Alp Cep ; 2.45; 8000;occ; 88; 0;42912
18; 3961.8; 15-MAY-2010 23:08:14; Bright; 55.0; 74; 11Bet Cas ; 2.27; 6600;occ; 110; 0;42912
19; 4513.6; 15-MAY-2010 23:17:26; Dark ; 45.0; 58; 21Alp And ; 2.07; 11000;occ; 90; 0;42912
20; 4762.6; 15-MAY-2010 23:21:35; Dark ; 44.0; 140; 88Gam Peg ; 2.83; 26000;occ; 88; 0;42912
21; 4860.1; 15-MAY-2010 23:23:12; Dark ; 52.5; 90; 54Alp Peg ; 2.49; 11000;occ; 105; 0;42912

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4; 324.4; 15-MAY-2010 23:48:13; Dark ; 51.0; 45; Alp Pav ; 1.94; 26000;occ; 102; 0;42913
5; 756.8; 15-MAY-2010 23:55:25; Dark ; 43.5; 141; Bet Ara ; 2.84; 4600;occ; 87; 0;42913
6; 931.6; 15-MAY-2010 23:58:20; Dark ; 30.0; 38; 20Eps Sgr ; 1.84; 11000;occ; 60; 0;42913
7; 1022.1; 15-MAY-2010 23:59:50; Dark ; 54.0; 25; 35Lam Sco ; 1.62; 28000;occ; 108; 0;42913
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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
10; 1506.5; 16-MAY-2010 00:07:55; Bright; 43.5; 97; 8Bet1Sco ; 2.56; 30000;occ; 87; 0;42913

11; 1727.3; 16-MAY-2010 00:11:35; Bright; 40.0; 104; 27Bet Lib ; 2.61; 13100;occ; 80; 0;42913
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 13; 2047.9; 16-MAY-2010 00:16:56; Bright; 44.5; 102; 24Alp Ser ; 2.60; 4250;occ; 89; 0;42913
 14; 2383.2; 16-MAY-2010 00:22:31; Bright; 37.0; 83; ; 2.38; 11000;occ; 74; 0;42913
 15; 2570.9; 16-MAY-2010 00:25:39; Bright; 38.0; 180; 27Gam Boo ; 3.04; 8000;occ; 76; 0;42913
 16; 3092.9; 16-MAY-2010 00:34:21; Bright; 43.0; 119; 14Eta Dra ; 2.73; 4700;occ; 86; 0;42913
 17; 3749.7; 16-MAY-2010 00:45:18; Bright; 46.0; 89; 5Alp Cep ; 2.45; 8000;occ; 92; 0;42913
 18; 3961.8; 16-MAY-2010 00:48:50; Bright; 38.5; 74; 11Bet Cas ; 2.27; 6600;occ; 77; 0;42913
 19; 4514.0; 16-MAY-2010 00:58:02; Dark ; 44.0; 58; 21Alp And ; 2.07; 11000;occ; 88; 0;42913
 20; 4763.0; 16-MAY-2010 01:02:11; Dark ; 43.5; 140; 88Gam Peg ; 2.83; 26000;occ; 87; 0;42913
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 5; 757.2; 16-MAY-2010 01:36:01; Dark ; 46.0; 141; Bet Ara ; 2.84; 4600;occ; 92; 0;42914
 6; 932.4; 16-MAY-2010 01:38:56; Dark ; 32.0; 38; 20Eps Sgr ; 1.84; 11000;occ; 64; 0;42914
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 9; 1349.7; 16-MAY-2010 01:45:54; Dark ; 57.5; 16; 21Alp Sco ; 1.02; 3000;occ; 115; 0;42914
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 13; 2047.7; 16-MAY-2010 01:57:32; Bright; 44.5; 102; 24Alp Ser ; 2.60; 4250;occ; 89; 0;42914
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 16; 3092.7; 16-MAY-2010 02:14:57; Bright; 40.5; 119; 14Eta Dra ; 2.73; 4700;occ; 81; 0;42914
 17; 3749.4; 16-MAY-2010 02:25:53; Bright; 45.5; 89; 5Alp Cep ; 2.45; 8000;occ; 91; 0;42914
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 21; 4861.5; 16-MAY-2010 02:44:25; Dark ; 56.0; 90; 54Alp Peg ; 2.49; 11000;occ; 112; 0;42914
 22; 5678.8; 16-MAY-2010 02:58:03; Dark ; 47.0; 18; 24Alp PsA ; 1.17; 9700;occ; 94; 0;42914
 23; 5827.3; 16-MAY-2010 03:00:31; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;42914
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 26; 6794.1; 16-MAY-2010 03:16:38; Dark ; 46.0; 141; Bet Ara ; 2.84; 4600;occ; 92; 0;42915
 27; 6969.1; 16-MAY-2010 03:19:33; Dark ; 32.0; 38; 20Eps Sgr ; 1.84; 11000;occ; 64; 0;42915
 28; 7059.2; 16-MAY-2010 03:21:03; Dark ; 56.0; 25; 35Lam Sco ; 1.62; 28000;occ; 112; 0;42915
 29; 7200.0; 16-MAY-2010 03:23:24; Dark ; 55.0; 75; 26Eps Sco ; 2.29; 4250;occ; 110; 0;42915
 30; 7386.2; 16-MAY-2010 03:26:30; Dark ; 56.0; 16; 21Alp Sco ; 1.02; 3000;occ; 112; 0;42915
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 32; 7763.0; 16-MAY-2010 03:32:47; Bright; 41.0; 104; 27Bet Lib ; 2.61; 13100;occ; 82; 0;42915
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17; 6803.2; 17-MAY-2010 11:08:10; Dark ; 41.0; 141; Bet Ara ; 2.84; 4600;occ; 82; 0;42934

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 15; 6043.8; 17-MAY-2010 12:36:06; Dark ; 49.0; 31; Alp Gru ; 1.73; 15200;occ; 98; 0;42934
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 17; 6804.0; 17-MAY-2010 12:48:47; Dark ; 47.0; 141; Bet Ara ; 2.84; 4600;occ; 94; 0;42935
 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
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 4; 2379.3; 17-MAY-2010 13:15:38; Bright; 42.0; 83; ; 2.38; 11000;occ; 84; 0;42935
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 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
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 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
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 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
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 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
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 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
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 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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 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
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 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
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 7; 2041.3; 17-MAY-2010 18:11:48; Bright; 42.5; 102; 24Alp Ser ; 2.60; 4250;occ; 85; 0;42938
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 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
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 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
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 21; 6805.9; 17-MAY-2010 19:31:12; Dark ; 51.5; 141; Bet Ara ; 2.84; 4600;occ; 103; 0;42939
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 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
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 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
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 15; 2378.2; 18-MAY-2010 00:59:48; Bright; 39.5; 83; ; 2.38; 11000;occ; 79; 0;42942
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 22; 4876.7; 18-MAY-2010 01:41:27; Dark ; 55.0; 90; 54Alp Peg ; 2.49; 11000;occ; 110; 0;42942

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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
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19; 2039.9; 18-MAY-2010 04:15:22; Bright; 43.5; 102; 24Alp Ser ; 2.60; 4250;occ; 87; 0;42944
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 4; 2372.5; 21-MAY-2010 12:49:39; Bright; 35.5; 83; ; 2.38; 11000;occ; 71; 0;42992
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 6; 3174.7; 21-MAY-2010 13:03:01; Bright; 38.0; 60; 7Bet UMi ; 2.08; 3950;occ; 76; 0;42992
 7; 3937.7; 21-MAY-2010 13:15:44; Bright; 53.0; 76; 27Gam Cas ; 2.30; 30000;occ; 106; 0;42992
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 9; 4527.5; 21-MAY-2010 13:25:34; Dark ; 46.0; 58; 21Alp And ; 2.07; 11000;occ; 92; 0;42992
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 7; 3057.8; 21-MAY-2010 14:41:40; Bright; 42.0; 119; 14Eta Dra ; 2.73; 4700;occ; 84; 0;42993
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 9; 3937.6; 21-MAY-2010 14:56:20; Bright; 36.5; 76; 27Gam Cas ; 2.30; 30000;occ; 73; 0;42993
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13; 1843.1; 22-MAY-2010 02:05:37; Bright; 46.0; 120; 1Del Oph ; 2.73; 3200;occ; 92; 0;43000
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17; 2371.5; 22-MAY-2010 03:55:01; Bright; 36.5; 83; ; 2.38; 11000;occ; 73; 0;43001
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 2; 1842.7; 22-MAY-2010 07:07:24; Bright; 44.5; 120; 1Del Oph ; 2.73; 3200;occ; 89; 0;43003
 3; 2027.8; 22-MAY-2010 07:10:29; Bright; 41.0; 102; 24Alp Ser ; 2.60; 4250;occ; 82; 0;43003
 4; 2371.3; 22-MAY-2010 07:16:13; Bright; 39.0; 83; ; 2.38; 11000;occ; 78; 0;43003
 5; 2561.0; 22-MAY-2010 07:19:23; Bright; 36.0; 180; 27Gam Boo ; 3.04; 8000;occ; 72; 0;43003
 6; 3053.9; 22-MAY-2010 07:27:35; Bright; 41.0; 119; 14Eta Dra ; 2.73; 4700;occ; 82; 0;43003
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 9; 4009.7; 22-MAY-2010 07:43:31; Bright; 37.5; 68; 18Alp Cas ; 2.22; 4500;occ; 75; 0;43003
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 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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 2; 1842.6; 22-MAY-2010 08:48:00; Bright; 44.5; 120; 1Del Oph ; 2.73; 3200;occ; 89; 0;43004
 3; 2027.9; 22-MAY-2010 08:51:05; Bright; 40.5; 102; 24Alp Ser ; 2.60; 4250;occ; 81; 0;43004
 4; 2371.1; 22-MAY-2010 08:56:49; Bright; 38.5; 83; ; 2.38; 11000;occ; 77; 0;43004
 5; 2560.8; 22-MAY-2010 08:59:58; Bright; 36.5; 180; 27Gam Boo ; 3.04; 8000;occ; 73; 0;43004
 6; 3053.6; 22-MAY-2010 09:08:11; Bright; 41.5; 119; 14Eta Dra ; 2.73; 4700;occ; 83; 0;43004
 7; 3173.9; 22-MAY-2010 09:10:11; Bright; 38.0; 60; 7Bet UMi ; 2.08; 3950;occ; 76; 0;43004
 8; 3937.2; 22-MAY-2010 09:22:55; Bright; 41.0; 76; 27Gam Cas ; 2.30; 30000;occ; 82; 0;43004
 9; 4009.7; 22-MAY-2010 09:24:07; Bright; 38.0; 68; 18Alp Cas ; 2.22; 4500;occ; 76; 0;43004
 10; 4529.3; 22-MAY-2010 09:32:47; Dark ; 47.5; 58; 21Alp And ; 2.07; 11000;occ; 95; 0;43004
 11; 4792.5; 22-MAY-2010 09:37:10; Dark ; 46.5; 140; 88Gam Peg ; 2.83; 26000;occ; 93; 0;43004
 12; 5757.9; 22-MAY-2010 09:53:15; Dark ; 54.5; 18; 24Alp PsA ; 1.17; 9700;occ; 109; 0;43004
 13; 5912.8; 22-MAY-2010 09:55:50; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;43004
 14; 6001.6; 22-MAY-2010 09:57:19; Dark ; 59.0; 63; Bet Gru ; 2.15; 2800;occ; 118; 0;43004
 15; 6085.9; 22-MAY-2010 09:58:43; Dark ; 48.0; 172; Gam Gru ; 3.00; 13100;occ; 96; 0;43005
 16; 6425.8; 22-MAY-2010 10:04:23; Dark ; 42.5; 45; Alp Pav ; 1.94; 26000;occ; 85; 0;43005
 17; 6837.3; 22-MAY-2010 10:11:15; Dark ; 44.0; 141; Bet Ara ; 2.84; 4600;occ; 88; 0;43005
 18; 7001.9; 22-MAY-2010 10:13:59; Dark ; 51.5; 40; The Sco ; 1.86; 7100;occ; 103; 0;43005
 19; 7112.7; 22-MAY-2010 10:15:50; Dark ; 54.0; 25; 35Lam Sco ; 1.62; 28000;occ; 108; 0;43005
 20; 7238.2; 22-MAY-2010 10:17:56; Dark ; 50.0; 75; 26Eps Sco ; 2.29; 4250;occ; 100; 0;43005
 21; 7411.8; 22-MAY-2010 10:20:49; Dark ; 54.0; 16; 21Alp Sco ; 1.02; 3000;occ; 108; 0;43005
 22; 7557.6; 22-MAY-2010 10:23:15; Bright; 41.0; 97; 8Bet1Sco ; 2.56; 30000;occ; 82; 0;43005

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 2; 1842.2; 22-MAY-2010 10:28:36; Bright; 44.5; 120; 1Del Oph ; 2.73; 3200;occ; 89; 0;43005
 3; 2027.4; 22-MAY-2010 10:31:41; Bright; 40.5; 102; 24Alp Ser ; 2.60; 4250;occ; 81; 0;43005
 4; 2371.1; 22-MAY-2010 10:37:24; Bright; 36.5; 83; ; 2.38; 11000;occ; 73; 0;43005
 5; 2560.8; 22-MAY-2010 10:40:34; Bright; 36.5; 180; 27Gam Boo ; 3.04; 8000;occ; 73; 0;43005
 6; 3053.1; 22-MAY-2010 10:48:46; Bright; 41.0; 119; 14Eta Dra ; 2.73; 4700;occ; 82; 0;43005
 7; 3173.9; 22-MAY-2010 10:50:47; Bright; 39.0; 60; 7Bet UMi ; 2.08; 3950;occ; 78; 0;43005
 8; 3937.4; 22-MAY-2010 11:03:31; Bright; 53.5; 76; 27Gam Cas ; 2.30; 30000;occ; 107; 0;43005
 9; 4009.9; 22-MAY-2010 11:04:43; Bright; 36.0; 68; 18Alp Cas ; 2.22; 4500;occ; 72; 0;43005
 10; 4529.5; 22-MAY-2010 11:13:23; Dark ; 47.5; 58; 21Alp And ; 2.07; 11000;occ; 95; 0;43005
 11; 4792.9; 22-MAY-2010 11:17:46; Dark ; 43.5; 140; 88Gam Peg ; 2.83; 26000;occ; 87; 0;43005
 12; 5759.1; 22-MAY-2010 11:33:52; Dark ; 52.0; 18; 24Alp PsA ; 1.17; 9700;occ; 104; 0;43005
 13; 5913.8; 22-MAY-2010 11:36:27; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;43005
 14; 6002.5; 22-MAY-2010 11:37:56; Dark ; 45.5; 63; Bet Gru ; 2.15; 2800;occ; 91; 0;43005
 15; 6086.7; 22-MAY-2010 11:39:20; Dark ; 48.5; 172; Gam Gru ; 3.00; 13100;occ; 97; 0;43006
 16; 6426.4; 22-MAY-2010 11:45:00; Dark ; 41.5; 45; Alp Pav ; 1.94; 26000;occ; 83; 0;43006
 17; 6837.5; 22-MAY-2010 11:51:51; Dark ; 43.5; 141; Bet Ara ; 2.84; 4600;occ; 87; 0;43006
 18; 7002.4; 22-MAY-2010 11:54:36; Dark ; 50.5; 40; The Sco ; 1.86; 7100;occ; 101; 0;43006
 19; 7113.4; 22-MAY-2010 11:56:27; Dark ; 55.0; 25; 35Lam Sco ; 1.62; 28000;occ; 110; 0;43006
 20; 7238.2; 22-MAY-2010 11:58:32; Dark ; 49.0; 75; 26Eps Sco ; 2.29; 4250;occ; 98; 0;43006
 21; 7412.0; 22-MAY-2010 12:01:25; Dark ; 55.0; 16; 21Alp Sco ; 1.02; 3000;occ; 110; 0;43006
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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
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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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 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
 6; 2561.0; 22-MAY-2010 14:01:46; Bright; 37.0; 180; 27Gam Boo ; 3.04; 8000;occ; 74; 0;43007
 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
11; 4529.9; 22-MAY-2010 14:34:35; Dark ; 48.5; 58; 21Alp And ; 2.07; 11000;occ; 97; 0;43007
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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16; 6089.3; 22-MAY-2010 15:00:34; Dark ; 49.5; 172; Gam Gru ; 3.00; 13100;occ; 99; 0;43008
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 3; 1733.0; 22-MAY-2010 15:28:34; Bright; 37.5; 104; 27Bet Lib ; 2.61; 13100;occ; 75; 0;43008
 4; 1842.1; 22-MAY-2010 15:30:23; Bright; 44.5; 120; 1Del Oph ; 2.73; 3200;occ; 89; 0;43008
 5; 2027.2; 22-MAY-2010 15:33:28; Bright; 40.5; 102; 24Alp Ser ; 2.60; 4250;occ; 81; 0;43008
 6; 2370.9; 22-MAY-2010 15:39:12; Bright; 36.0; 83; ; 2.38; 11000;occ; 72; 0;43008
 7; 2560.6; 22-MAY-2010 15:42:22; Bright; 36.0; 180; 27Gam Boo ; 3.04; 8000;occ; 72; 0;43008
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 9; 3173.7; 22-MAY-2010 15:52:35; Bright; 38.0; 60; 7Bet UMi ; 2.08; 3950;occ; 76; 0;43008
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11; 4009.6; 22-MAY-2010 16:06:31; Bright; 36.5; 68; 18Alp Cas ; 2.22; 4500;occ; 73; 0;43008
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13; 4794.0; 22-MAY-2010 16:19:35; Dark ; 44.5; 140; 88Gam Peg ; 2.83; 26000;occ; 89; 0;43008
14; 5762.2; 22-MAY-2010 16:35:43; Dark ; 54.0; 18; 24Alp PsA ; 1.17; 9700;occ; 108; 0;43008
15; 5917.0; 22-MAY-2010 16:38:18; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;43008
16; 6004.6; 22-MAY-2010 16:39:46; Dark ; 52.0; 63; Bet Gru ; 2.15; 2800;occ; 104; 0;43008
17; 6090.4; 22-MAY-2010 16:41:11; Dark ; 49.0; 172; Gam Gru ; 3.00; 13100;occ; 98; 0;43009
18; 6428.6; 22-MAY-2010 16:46:50; Dark ; 41.0; 45; Alp Pav ; 1.94; 26000;occ; 82; 0;43009
19; 6839.0; 22-MAY-2010 16:53:40; Dark ; 44.0; 141; Bet Ara ; 2.84; 4600;occ; 88; 0;43009
20; 7003.9; 22-MAY-2010 16:56:25; Dark ; 48.0; 40; The Sco ; 1.86; 7100;occ; 96; 0;43009
21; 7115.1; 22-MAY-2010 16:58:16; Dark ; 52.5; 25; 35Lam Sco ; 1.62; 28000;occ; 105; 0;43009
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 3; 1522.2; 22-MAY-2010 17:05:39; Bright; 47.0; 97; 8Bet1Sco ; 2.56; 30000;occ; 94; 0;43009
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 5; 1842.0; 22-MAY-2010 17:10:59; Bright; 44.5; 120; 1Del Oph ; 2.73; 3200;occ; 89; 0;43009
 6; 2027.2; 22-MAY-2010 17:14:04; Bright; 40.0; 102; 24Alp Ser ; 2.60; 4250;occ; 80; 0;43009
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13; 4530.0; 22-MAY-2010 17:55:47; Dark ; 50.0; 58; 21Alp And ; 2.07; 11000;occ; 100; 0;43009
14; 4794.7; 22-MAY-2010 18:00:12; Dark ; 44.5; 140; 88Gam Peg ; 2.83; 26000;occ; 89; 0;43009
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21; 7004.6; 22-MAY-2010 18:37:02; Dark ; 49.0; 40; The Sco ; 1.86; 7100;occ; 98; 0;43010
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4; 1385.0; 24-MAY-2010 21:01:56; Dark ; 60.0; 16; 21Alp Sco ; 1.02; 3000;occ; 120; 0;43040
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
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9; 2369.2; 24-MAY-2010 21:18:20; Bright; 40.0; 83; ; 2.38; 11000;occ; 80; 0;43040
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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
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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
18; 3936.1; 24-MAY-2010 23:25:03; Bright; 54.0; 76; 27Gam Cas ; 2.30; 30000;occ; 108; 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
22; 4806.1; 24-MAY-2010 23:39:33; Dark ; 47.5; 140; 88Gam Peg ; 2.83; 26000;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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14; 2022.4; 25-MAY-2010 00:33:45; Bright; 39.0; 102; 24Alp Ser ; 2.60; 4250;occ; 78; 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
11; 813.4; 24-MAY-2010 07:27:37; Dark ; 49.5; 141; Bet Ara ; 2.84; 4600;occ; 99; 0;43032
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
15; 1383.0; 24-MAY-2010 07:37:06; Dark ; 59.5; 16; 21Alp Sco ; 1.02; 3000;occ; 119; 0;43032
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 3; 2023.5; 24-MAY-2010 07:47:47; Bright; 40.5; 102; 24Alp Ser ; 2.60; 4250;occ; 81; 0;43032
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 7; 3936.7; 24-MAY-2010 08:19:40; Bright; 38.0; 76; 27Gam Cas ; 2.30; 30000;occ; 76; 0;43032
 8; 4008.2; 24-MAY-2010 08:20:51; Bright; 38.0; 68; 18Alp Cas ; 2.22; 4500;occ; 76; 0;43032
 9; 4381.6; 24-MAY-2010 08:27:05; Bright; 38.5; 53; 43Bet And ; 2.05; 3300;occ; 77; 0;43032
10; 4534.3; 24-MAY-2010 08:29:38; Dark ; 49.0; 58; 21Alp And ; 2.07; 11000;occ; 98; 0;43032
11; 4802.7; 24-MAY-2010 08:34:06; Dark ; 45.0; 140; 88Gam Peg ; 2.83; 26000;occ; 90; 0;43032
12; 5332.1; 24-MAY-2010 08:42:55; Dark ; 48.0; 52; 16Bet Cet ; 2.04; 4500;occ; 96; 0;43032
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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 16; 6124.5; 24-MAY-2010 08:56:08; Dark ; 54.5; 31; Alp Gru ; 1.73; 15200;occ; 109; 0;43033
 17; 6445.4; 24-MAY-2010 09:01:29; Dark ; 41.0; 45; Alp Pav ; 1.94; 26000;occ; 82; 0;43033
 18; 6850.0; 24-MAY-2010 09:08:13; Dark ; 43.0; 141; Bet Ara ; 2.84; 4600;occ; 86; 0;43033
 19; 7017.2; 24-MAY-2010 09:11:01; Dark ; 47.5; 40; The Sco ; 1.86; 7100;occ; 95; 0;43033
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 21; 7248.8; 24-MAY-2010 09:14:52; Dark ; 51.0; 75; 26Eps Sco ; 2.29; 4250;occ; 102; 0;43033
 22; 7419.3; 24-MAY-2010 09:17:43; Dark ; 54.0; 16; 21Alp Sco ; 1.02; 3000;occ; 108; 0;43033
 23; 7562.1; 24-MAY-2010 09:20:05; Bright; 43.0; 97; 8Bet1Sco ; 2.56; 30000;occ; 86; 0;43033
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 4; 2369.6; 24-MAY-2010 09:34:09; Bright; 36.5; 83; ; 2.38; 11000;occ; 73; 0;43033
 5; 3042.1; 24-MAY-2010 09:45:21; Bright; 38.5; 119; 14Eta Dra ; 2.73; 4700;occ; 77; 0;43033
 6; 3171.5; 24-MAY-2010 09:47:31; Bright; 34.5; 60; 7Bet UMi ; 2.08; 3950;occ; 69; 0;43033
 7; 3936.3; 24-MAY-2010 10:00:16; Bright; 35.5; 76; 27Gam Cas ; 2.30; 30000;occ; 71; 0;43033
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 9; 4381.8; 24-MAY-2010 10:07:41; Bright; 38.5; 53; 43Bet And ; 2.05; 3300;occ; 77; 0;43033
 10; 4534.5; 24-MAY-2010 10:10:14; Dark ; 47.5; 58; 21Alp And ; 2.07; 11000;occ; 95; 0;43033
 11; 4803.3; 24-MAY-2010 10:14:43; Dark ; 46.5; 140; 88Gam Peg ; 2.83; 26000;occ; 93; 0;43033
 12; 5332.6; 24-MAY-2010 10:23:32; Dark ; 43.5; 52; 16Bet Cet ; 2.04; 4500;occ; 87; 0;43033
 13; 5787.3; 24-MAY-2010 10:31:07; Dark ; 57.5; 18; 24Alp PsA ; 1.17; 9700;occ; 115; 0;43033
 14; 5877.3; 24-MAY-2010 10:32:37; Dark ; 43.5; 0; ; 0.00; 0;occ; 87; 0;43033
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 16; 6124.9; 24-MAY-2010 10:36:44; Dark ; 44.5; 31; Alp Gru ; 1.73; 15200;occ; 89; 0;43034
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 18; 6850.1; 24-MAY-2010 10:48:49; Dark ; 42.5; 141; Bet Ara ; 2.84; 4600;occ; 85; 0;43034
 19; 7017.5; 24-MAY-2010 10:51:37; Dark ; 49.5; 40; The Sco ; 1.86; 7100;occ; 99; 0;43034
 20; 7128.2; 24-MAY-2010 10:53:27; Dark ; 49.0; 25; 35Lam Sco ; 1.62; 28000;occ; 98; 0;43034
 21; 7249.0; 24-MAY-2010 10:55:28; Dark ; 49.0; 75; 26Eps Sco ; 2.29; 4250;occ; 98; 0;43034
 22; 7419.6; 24-MAY-2010 10:58:19; Dark ; 55.5; 16; 21Alp Sco ; 1.02; 3000;occ; 111; 0;43034
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 17; 6850.8; 24-MAY-2010 12:29:26; Dark ; 48.0; 141; Bet Ara ; 2.84; 4600;occ; 96; 0;43035
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 19; 7128.7; 24-MAY-2010 12:34:04; Dark ; 48.5; 25; 35Lam Sco ; 1.62; 28000;occ; 97; 0;43035
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 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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 9; 4534.8; 24-MAY-2010 13:31:26; Dark ; 49.0; 58; 21Alp And ; 2.07; 11000;occ; 98; 0;43035
 10; 4803.7; 24-MAY-2010 13:35:55; Dark ; 45.5; 140; 88Gam Peg ; 2.83; 26000;occ; 91; 0;43035

11; 5333.7; 24-MAY-2010 13:44:45; Dark ; 45.5; 52; 16Bet Cet ; 2.04; 4500;occ; 91; 0;43035
 12; 5867.3; 24-MAY-2010 13:53:38; Dark ; 54.5; 0; ; 0.00; 0;occ; 109; 0;43035
 13; 6024.8; 24-MAY-2010 13:56:16; Dark ; 49.0; 63; Bet Gru ; 2.15; 2800;occ; 98; 0;43035
 14; 6126.7; 24-MAY-2010 13:57:58; Dark ; 45.5; 31; Alp Gru ; 1.73; 15200;occ; 91; 0;43036
 15; 6447.5; 24-MAY-2010 14:03:18; Dark ; 46.5; 45; Alp Pav ; 1.94; 26000;occ; 93; 0;43036
 16; 6851.0; 24-MAY-2010 14:10:02; Dark ; 44.0; 141; Bet Ara ; 2.84; 4600;occ; 88; 0;43036
 17; 7018.8; 24-MAY-2010 14:12:50; Dark ; 50.0; 40; The Sco ; 1.86; 7100;occ; 100; 0;43036
 18; 7129.0; 24-MAY-2010 14:14:40; Dark ; 51.0; 25; 35Lam Sco ; 1.62; 28000;occ; 102; 0;43036
 19; 7249.8; 24-MAY-2010 14:16:41; Dark ; 50.0; 75; 26Eps Sco ; 2.29; 4250;occ; 100; 0;43036
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 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
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 12; 4804.7; 24-MAY-2010 15:16:32; Dark ; 45.5; 140; 88Gam Peg ; 2.83; 26000;occ; 91; 0;43036
 13; 5334.2; 24-MAY-2010 15:25:21; Dark ; 49.5; 52; 16Bet Cet ; 2.04; 4500;occ; 99; 0;43036
 14; 5862.2; 24-MAY-2010 15:34:09; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;43036
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 16; 6127.7; 24-MAY-2010 15:38:35; Dark ; 44.5; 31; Alp Gru ; 1.73; 15200;occ; 89; 0;43037
 17; 6448.4; 24-MAY-2010 15:43:55; Dark ; 43.5; 45; Alp Pav ; 1.94; 26000;occ; 87; 0;43037
 18; 6851.5; 24-MAY-2010 15:50:38; Dark ; 43.0; 141; Bet Ara ; 2.84; 4600;occ; 86; 0;43037
 19; 7019.5; 24-MAY-2010 15:53:26; Dark ; 48.5; 40; The Sco ; 1.86; 7100;occ; 97; 0;43037
 20; 7129.7; 24-MAY-2010 15:55:17; Dark ; 48.0; 25; 35Lam Sco ; 1.62; 28000;occ; 96; 0;43037
 21; 7250.3; 24-MAY-2010 15:57:17; Dark ; 48.0; 75; 26Eps Sco ; 2.29; 4250;occ; 96; 0;43037

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 3; 1735.3; 24-MAY-2010 16:05:58; Bright; 38.5; 104; 27Bet Lib ; 2.61; 13100;occ; 77; 0;43037
 4; 1839.1; 24-MAY-2010 16:07:42; Bright; 44.5; 120; 1Del Oph ; 2.73; 3200;occ; 89; 0;43037
 5; 2023.2; 24-MAY-2010 16:10:46; Bright; 40.0; 102; 24Alp Ser ; 2.60; 4250;occ; 80; 0;43037
 6; 3040.4; 24-MAY-2010 16:27:43; Bright; 42.0; 119; 14Eta Dra ; 2.73; 4700;occ; 84; 0;43037
 7; 3171.2; 24-MAY-2010 16:29:54; Bright; 37.5; 60; 7Bet UMi ; 2.08; 3950;occ; 75; 0;43037
 8; 3936.3; 24-MAY-2010 16:42:39; Bright; 54.0; 76; 27Gam Cas ; 2.30; 30000;occ; 108; 0;43037
 9; 4008.0; 24-MAY-2010 16:43:51; Bright; 55.0; 68; 18Alp Cas ; 2.22; 4500;occ; 110; 0;43037
 10; 4382.4; 24-MAY-2010 16:50:05; Bright; 38.5; 53; 43Bet And ; 2.05; 3300;occ; 77; 0;43037
 11; 4535.0; 24-MAY-2010 16:52:38; Dark ; 49.5; 58; 21Alp And ; 2.07; 11000;occ; 99; 0;43037
 12; 4804.7; 24-MAY-2010 16:57:08; Dark ; 46.5; 140; 88Gam Peg ; 2.83; 26000;occ; 93; 0;43037
 13; 5334.8; 24-MAY-2010 17:05:58; Dark ; 48.0; 52; 16Bet Cet ; 2.04; 4500;occ; 96; 0;43037
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 15; 6026.4; 24-MAY-2010 17:17:29; Dark ; 60.0; 63; Bet Gru ; 2.15; 2800;occ; 120; 0;43037
 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
 4; 1384.6; 24-MAY-2010 17:40:43; Dark ; 60.0; 16; 21Alp Sco ; 1.02; 3000;occ; 120; 0;43038
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 6; 1735.5; 24-MAY-2010 17:46:34; Bright; 38.5; 104; 27Bet Lib ; 2.61; 13100;occ; 77; 0;43038
 7; 1839.1; 24-MAY-2010 17:48:18; Bright; 43.5; 120; 1Del Oph ; 2.73; 3200;occ; 87; 0;43038
 8; 2022.8; 24-MAY-2010 17:51:22; Bright; 39.5; 102; 24Alp Ser ; 2.60; 4250;occ; 79; 0;43038
 9; 2369.4; 24-MAY-2010 17:57:08; Bright; 40.0; 83; ; 2.38; 11000;occ; 80; 0;43038
 10; 3040.1; 24-MAY-2010 18:08:19; Bright; 40.0; 119; 14Eta Dra ; 2.73; 4700;occ; 80; 0;43038
 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
 14; 4382.5; 24-MAY-2010 18:30:41; Bright; 38.5; 53; 43Bet And ; 2.05; 3300;occ; 77; 0;43038

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16; 4805.2; 24-MAY-2010 18:37:44; Dark ; 46.0; 140; 88Gam Peg ; 2.83; 26000;occ; 92; 0;43038
17; 5335.1; 24-MAY-2010 18:46:34; Dark ; 46.5; 52; 16Bet Cet ; 2.04; 4500;occ; 93; 0;43038
18; 5860.0; 24-MAY-2010 18:55:19; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;43038
19; 6026.8; 24-MAY-2010 18:58:06; Dark ; 46.0; 63; Bet Gru ; 2.15; 2800;occ; 92; 0;43038
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21; 6450.0; 24-MAY-2010 19:05:09; Dark ; 41.0; 45; Alp Pav ; 1.94; 26000;occ; 82; 0;43039
22; 6852.5; 24-MAY-2010 19:11:51; Dark ; 47.0; 141; Bet Ara ; 2.84; 4600;occ; 94; 0;43039
23; 7020.6; 24-MAY-2010 19:14:39; Dark ; 46.5; 40; The Sco ; 1.86; 7100;occ; 93; 0;43039
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 3; 1214.8; 24-MAY-2010 19:18:30; Dark ; 49.0; 75; 26Eps Sco ; 2.29; 4250;occ; 98; 0;43039
 4; 1384.8; 24-MAY-2010 19:21:20; Dark ; 54.0; 16; 21Alp Sco ; 1.02; 3000;occ; 108; 0;43039
 5; 1527.1; 24-MAY-2010 19:23:42; Bright; 41.5; 97; 8Bet1Sco ; 2.56; 30000;occ; 83; 0;43039
 6; 1735.6; 24-MAY-2010 19:27:10; Bright; 38.0; 104; 27Bet Lib ; 2.61; 13100;occ; 76; 0;43039
 7; 1838.9; 24-MAY-2010 19:28:54; Bright; 43.5; 120; 1Del Oph ; 2.73; 3200;occ; 87; 0;43039
 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
12; 3936.0; 24-MAY-2010 20:03:51; Bright; 42.0; 76; 27Gam Cas ; 2.30; 30000;occ; 84; 0;43039
13; 4007.8; 24-MAY-2010 20:05:03; Bright; 35.5; 68; 18Alp Cas ; 2.22; 4500;occ; 71; 0;43039
14; 4382.5; 24-MAY-2010 20:11:17; Bright; 39.0; 53; 43Bet And ; 2.05; 3300;occ; 78; 0;43039
15; 4535.6; 24-MAY-2010 20:13:50; Dark ; 48.0; 58; 21Alp And ; 2.07; 11000;occ; 96; 0;43039
16; 4805.2; 24-MAY-2010 20:18:20; Dark ; 47.0; 140; 88Gam Peg ; 2.83; 26000;occ; 94; 0;43039
17; 5335.5; 24-MAY-2010 20:27:10; Dark ; 48.5; 52; 16Bet Cet ; 2.04; 4500;occ; 97; 0;43039
18; 5860.5; 24-MAY-2010 20:35:55; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;43039
19; 6027.6; 24-MAY-2010 20:38:42; Dark ; 56.5; 63; Bet Gru ; 2.15; 2800;occ; 113; 0;43039
20; 6130.5; 24-MAY-2010 20:40:25; Dark ; 43.5; 31; Alp Gru ; 1.73; 15200;occ; 87; 0;43040
21; 6450.5; 24-MAY-2010 20:45:45; Dark ; 42.5; 45; Alp Pav ; 1.94; 26000;occ; 85; 0;43040
22; 6852.8; 24-MAY-2010 20:52:28; Dark ; 46.0; 141; Bet Ara ; 2.84; 4600;occ; 92; 0;43040
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 3; -6.2; 25-MAY-2010 01:40:32; Dark ; 47.5; 63; Bet Gru ; 2.15; 2800;occ; 95; 0;43042
 4; 96.7; 25-MAY-2010 01:42:15; Dark ; 44.0; 31; Alp Gru ; 1.73; 15200;occ; 88; 0;43043
 5; 416.4; 25-MAY-2010 01:47:35; Dark ; 42.0; 45; Alp Pav ; 1.94; 26000;occ; 84; 0;43043
 6; 818.1; 25-MAY-2010 01:54:16; Dark ; 43.0; 141; Bet Ara ; 2.84; 4600;occ; 86; 0;43043
 7; 986.4; 25-MAY-2010 01:57:05; Dark ; 47.5; 40; The Sco ; 1.86; 7100;occ; 95; 0;43043
 8; 1097.1; 25-MAY-2010 01:58:55; Dark ; 50.5; 25; 35Lam Sco ; 1.62; 28000;occ; 101; 0;43043
 9; 1216.4; 25-MAY-2010 02:00:55; Dark ; 51.0; 75; 26Eps Sco ; 2.29; 4250;occ; 102; 0;43043
10; 1386.0; 25-MAY-2010 02:03:44; Dark ; 56.0; 16; 21Alp Sco ; 1.02; 3000;occ; 112; 0;43043
11; 1527.6; 25-MAY-2010 02:06:06; Bright; 40.5; 97; 8Bet1Sco ; 2.56; 30000;occ; 81; 0;43043
12; 1736.0; 25-MAY-2010 02:09:34; Bright; 36.5; 104; 27Bet Lib ; 2.61; 13100;occ; 73; 0;43043
13; 1838.6; 25-MAY-2010 02:11:17; Bright; 44.5; 120; 1Del Oph ; 2.73; 3200;occ; 89; 0;43043
14; 2021.9; 25-MAY-2010 02:14:20; Bright; 39.0; 102; 24Alp Ser ; 2.60; 4250;occ; 78; 0;43043
15; 2369.1; 25-MAY-2010 02:20:07; Bright; 39.5; 83; ; 2.38; 11000;occ; 79; 0;43043
16; 3038.3; 25-MAY-2010 02:31:17; Bright; 37.5; 119; 14Eta Dra ; 2.73; 4700;occ; 75; 0;43043
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 6; -698.6; 25-MAY-2010 03:09:36; Dark ; 44.5; 52; 16Bet Cet ; 2.04; 4500;occ; 89; 0;43043
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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
10; 417.5; 25-MAY-2010 03:28:12; Dark ; 41.0; 45; Alp Pav ; 1.94; 26000;occ; 82; 0;43044
11; 818.6; 25-MAY-2010 03:34:53; Dark ; 47.5; 141; Bet Ara ; 2.84; 4600;occ; 95; 0;43044
12; 987.2; 25-MAY-2010 03:37:41; Dark ; 49.5; 40; The Sco ; 1.86; 7100;occ; 99; 0;43044
13; 1097.4; 25-MAY-2010 03:39:32; Dark ; 48.0; 25; 35Lam Sco ; 1.62; 28000;occ; 96; 0;43044
14; 1216.6; 25-MAY-2010 03:41:31; Dark ; 46.5; 75; 26Eps Sco ; 2.29; 4250;occ; 93; 0;43044
15; 1386.3; 25-MAY-2010 03:44:21; Dark ; 59.0; 16; 21Alp Sco ; 1.02; 3000;occ; 118; 0;43044
16; 1527.8; 25-MAY-2010 03:46:42; Bright; 43.0; 97; 8Bet1Sco ; 2.56; 30000;occ; 86; 0;43044
17; 1736.1; 25-MAY-2010 03:50:10; Bright; 38.0; 104; 27Bet Lib ; 2.61; 13100;occ; 76; 0;43044

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20; 2368.9; 25-MAY-2010 04:00:43; Bright; 38.0; 83; ; 2.38; 11000;occ; 76; 0;43044
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 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
 8; 1103.0; 25-MAY-2010 22:06:13; Dark ; 48.0; 25; 35Lam Sco ; 1.62; 28000;occ; 96; 0;43055
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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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 9; 1221.1; 25-MAY-2010 23:48:47; Dark ; 47.0; 75; 26Eps Sco ; 2.29; 4250;occ; 94; 0;43056
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21; 4538.7; 26-MAY-2010 00:44:04; Dark ; 49.0; 58; 21Alp And ; 2.07; 11000;occ; 98; 0;43056
22; 4811.9; 26-MAY-2010 00:48:37; Dark ; 44.5; 140; 88Gam Peg ; 2.83; 26000;occ; 89; 0;43056
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 3; 820.4; 25-MAY-2010 10:17:18; Dark ; 41.5; 141; Bet Ara ; 2.84; 4600;occ; 83; 0;43048
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 5; 1101.2; 25-MAY-2010 10:21:59; Dark ; 46.0; 115; 34Ups Sco ; 2.70; 26000;occ; 92; 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
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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
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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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3; 2021.5; 25-MAY-2010 12:17:55; Bright; 39.0; 102; 24Alp Ser ; 2.60; 4250;occ; 78; 0;43049
4; 2369.0; 25-MAY-2010 12:23:43; Bright; 38.5; 83; ; 2.38; 11000;occ; 77; 0;43049
5; 3036.3; 25-MAY-2010 12:34:50; Bright; 41.0; 119; 14Eta Dra ; 2.73; 4700;occ; 82; 0;43049
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
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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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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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19; 7136.2; 25-MAY-2010 13:43:10; Dark ; 49.5; 25; 35Lam Sco ; 1.62; 28000;occ; 99; 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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16; 6458.4; 25-MAY-2010 15:12:28; Dark ; 41.5; 45; Alp Pav ; 1.94; 26000;occ; 83; 0;43051
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4; 1838.0; 25-MAY-2010 15:36:04; Bright; 43.0; 120; 1Del Oph ; 2.73; 3200;occ; 86; 0;43051
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6; 2368.9; 25-MAY-2010 15:44:55; Bright; 36.5; 83; ; 2.38; 11000;occ; 73; 0;43051
7; 3035.6; 25-MAY-2010 15:56:01; Bright; 41.5; 119; 14Eta Dra ; 2.73; 4700;occ; 83; 0;43051
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19; 6459.8; 25-MAY-2010 18:33:42; Dark ; 42.0; 45; Alp Pav ; 1.94; 26000;occ; 84; 0;43053
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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


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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
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12; 3935.5; 25-MAY-2010 19:32:13; Bright; 54.0; 76; 27Gam Cas ; 2.30; 30000;occ; 108; 0;43053
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
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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
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9; 1221.6; 26-MAY-2010 01:29:23; Dark ; 49.5; 75; 26Eps Sco ; 2.29; 4250;occ; 99; 0;43057
10; 1349.8; 26-MAY-2010 01:31:31; Dark ; 44.5; 136; 23Tau Sco ; 2.82; 30000;occ; 89; 0;43057
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13; 1837.4; 26-MAY-2010 01:39:39; Bright; 43.0; 120; 1Del Oph ; 2.73; 3200;occ; 86; 0;43057
14; 2020.5; 26-MAY-2010 01:42:42; Bright; 39.0; 102; 24Alp Ser ; 2.60; 4250;occ; 78; 0;43057
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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
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19; 4006.7; 26-MAY-2010 02:15:48; Bright; 54.5; 68; 18Alp Cas ; 2.22; 4500;occ; 109; 0;43057
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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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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
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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

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 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
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 21; 6145.7; 26-MAY-2010 02:51:27; Dark ; 43.0; 31; Alp Gru ; 1.73; 15200;occ; 86; 0;43058
 22; 6462.9; 26-MAY-2010 02:56:44; Dark ; 42.5; 45; Alp Pav ; 1.94; 26000;occ; 85; 0;43058
 23; 6860.4; 26-MAY-2010 03:03:22; Dark ; 46.0; 141; Bet Ara ; 2.84; 4600;occ; 92; 0;43058
 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
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 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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 3;-2100.6; 26-MAY-2010 03:55:13; Bright; 54.0; 76; 27Gam Cas ; 2.30; 30000;occ; 108; 0;43058
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 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
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 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
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 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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 9; 111.4; 26-MAY-2010 06:12:41; Dark ; 46.5; 31; Alp Gru ; 1.73; 15200;occ; 93; 0;43060
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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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 16; 6863.6; 26-MAY-2010 13:07:00; Dark ; 42.0; 141; Bet Ara ; 2.84; 4600;occ; 84; 0;43064
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6; 484.7; 31-MAY-2010 22:07:24; Dark ; 42.5; 45; Alp Pav ; 1.94; 26000;occ; 85; 0;43141