

GOMOS Daily Report 12-MAY-2010

Level 0 and Level 1 products

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This report presents the daily analysis on parameters extracted from GOMOS level 1b data (GOM_TRA_1P). It is intended to monitor some important parameters that will impact the quality of the level 2 products as the Spectrometers and Photometers CCD Temperatures and Dark Charge, SATU noise equivalent angle... A list of level 0 products (and content) that have arrived during the actual month to the PCF is also given.

Item	Value
Time of report generation	15MAY2010 04:52:44
Data source version	GOMOS/5.00L04
Start time of products	12MAY2010 00:01:58
Stop time of products	12MAY2010 23:59:18
Store outputs in DB	Yes
Nb of level 1b prods	132
Nb of prods with errors	0

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

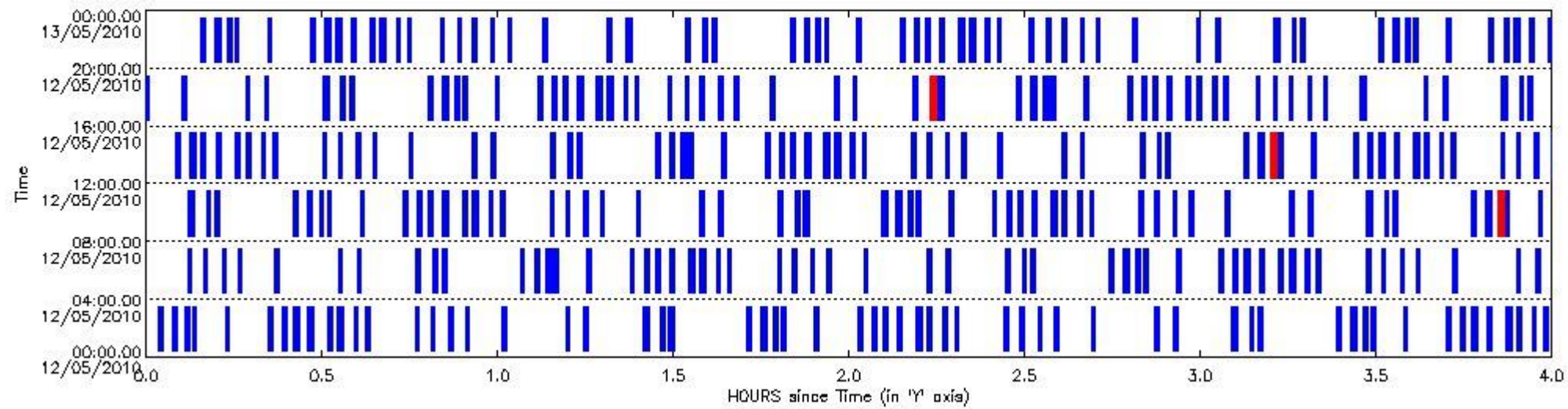
2.1 Level 0 products arrived in PCF (see template [here](#))

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)

UTC start time	Star name	Star ID	Orbit
12-MAY-2010 11:50:52	BetGru	63	42862
12-MAY-2010 15:12:05	BetGru	63	42864
12-MAY-2010 18:13:58	88GamPeg	140	42866

2.4 Summary of processed GOM_TRA_1P products

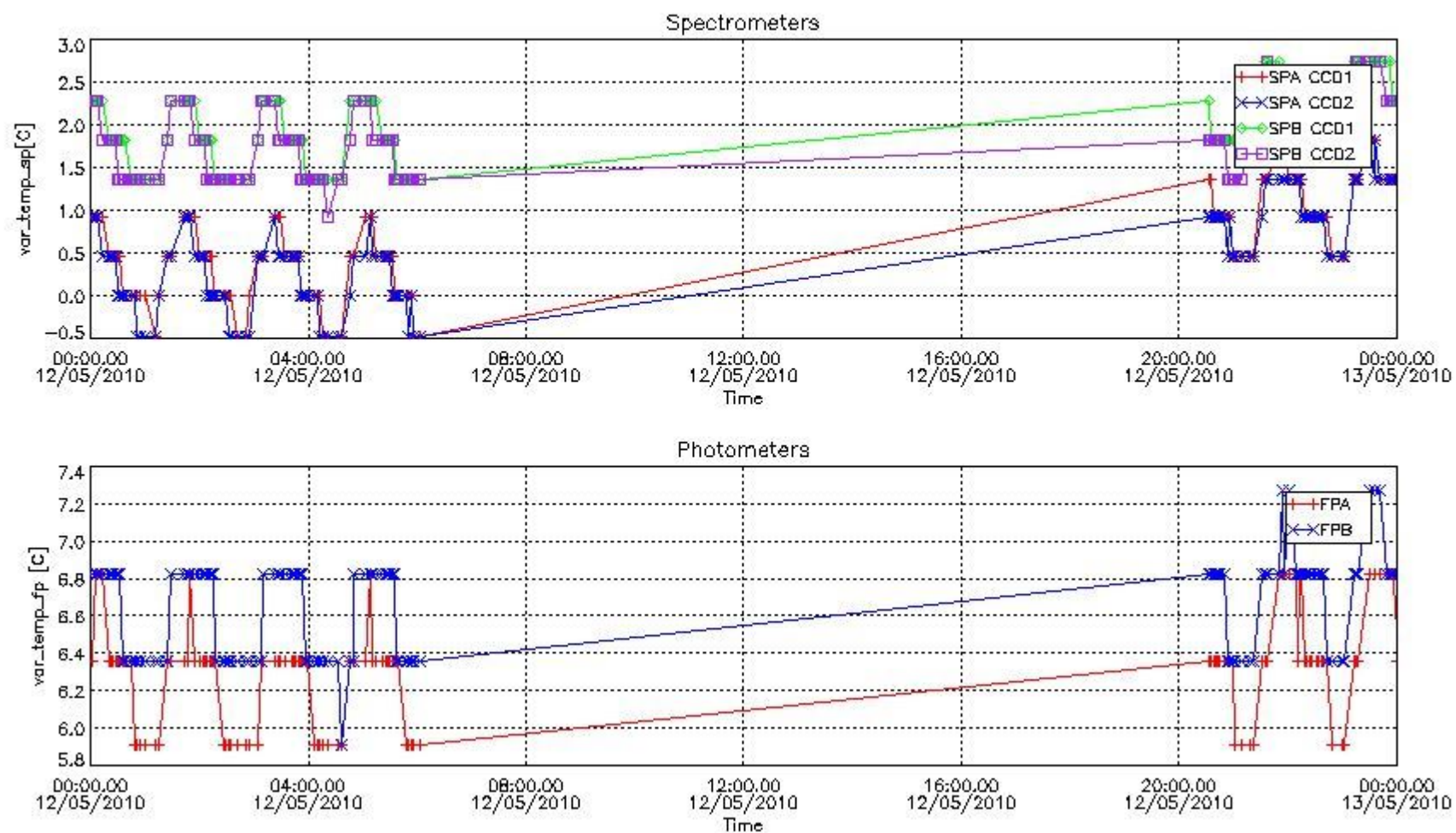
Nr	Filename	UTC Start time	Limb	Duration	Star Id	Star Name	Star Mag	Star Temp	Nb Meas	Orbit	Prod. error
1	GOM_TRA_1PNPDE20100512_000158_000000502089_00216_42855_0679.N1	12-MAY-2010 00:01:58	Dark	49.500	18	24Alp PsA	1.1660	9700.0	99	42855	No
2	GOM_TRA_1PNPDE20100512_000628_000000512089_00216_42855_0680.N1	12-MAY-2010 00:06:28	Dark	51.000	63	Bet Gru	2.1500	2800.0	102	42855	No
3	GOM_TRA_1PNPDE20100512_000749_000000452089_00216_42855_0681.N1	12-MAY-2010 00:07:49	Dark	45.000	31	Alp Gru	1.7340	15200.	90	42855	No
4	GOM_TRA_1PNPDE20100512_001325_000000422089_00217_42856_0682.N1	12-MAY-2010 00:13:25	Dark	42.000	45	Alp Pav	1.9400	26000.	84	42856	No
5	GOM_TRA_1PNPDE20100512_002047_000000412089_00217_42856_0683.N1	12-MAY-2010 00:20:47	Straylight	41.000	141	Bet Ara	2.8400	4600.0	82	42856	No
6	GOM_TRA_1PNPDE20100512_002311_000000522089_00217_42856_0684.N1	12-MAY-2010 00:23:11	Straylight	52.000	40	The Sco	1.8590	7100.0	104	42856	No
7	GOM_TRA_1PNPDE20100512_002503_000000602089_00217_42856_0685.N1	12-MAY-2010 00:25:03	Straylight	60.000	25	35Lam Sco	1.6200	28000.	120	42856	No
8	GOM_TRA_1PNPDE20100512_002735_000000552089_00217_42856_0686.N1	12-MAY-2010 00:27:35	Straylight	54.500	75	26Eps Sco	2.2910	4250.0	109	42856	No

9	GOM_TRA_1PNPDE20100512_003051_000000582089_00217_42856_0687.N1	12-MAY-2010 00:30:51	Twilight	58.000	16	21Alp Sco	1.0200	3000.0	116	42856	No
10	GOM_TRA_1PNPDE20100512_003241_000000592089_00217_42856_0688.N1	12-MAY-2010 00:32:41	Bright	59.000	80	7Del Sco	2.3160	30000.	118	42856	No
11	GOM_TRA_1PNPDE20100512_003528_000000402089_00217_42856_0689.N1	12-MAY-2010 00:35:28	Bright	40.000	122	9Alp2Lib	2.7470	9700.0	80	42856	No
12	GOM_TRA_1PNPDE20100512_003726_000000422089_00217_42856_0690.N1	12-MAY-2010 00:37:26	Bright	42.000	104	27Bet Lib	2.6140	13100.	84	42856	No
13	GOM_TRA_1PNPDE20100512_004557_000000382089_00217_42856_0691.N1	12-MAY-2010 00:45:57	Bright	38.000	3	16Alp Boo	-0.050000	4250.0	76	42856	No
14	GOM_TRA_1PNPDE20100512_004836_000000412089_00217_42856_0692.N1	12-MAY-2010 00:48:36	Bright	40.500	83		2.3780	11000.	81	42856	No
15	GOM_TRA_1PNPDE20100512_005143_000000382089_00217_42856_0693.N1	12-MAY-2010 00:51:43	Bright	38.000	180	27Gam Boo	3.0400	8000.0	76	42856	No
16	GOM_TRA_1PNPDE20100512_005428_000000362089_00217_42856_0694.N1	12-MAY-2010 00:54:28	Bright	35.500	39	85Eta UMa	1.8540	24000.	71	42856	No
17	GOM_TRA_1PNPDE20100512_010042_000000442089_00217_42856_0695.N1	12-MAY-2010 01:00:42	Bright	43.500	119	14Eta Dra	2.7270	4700.0	87	42856	No
18	GOM_TRA_1PNPDE20100512_011134_000000452089_00217_42856_0696.N1	12-MAY-2010 01:11:34	Bright	45.000	89	5Alp Cep	2.4510	8000.0	90	42856	No
19	GOM_TRA_1PNPDE20100512_011444_000000352089_00217_42856_0697.N1	12-MAY-2010 01:14:44	Bright	34.500	74	11Bet Cas	2.2680	6600.0	69	42856	No
20	GOM_TRA_1PNPDE20100512_012446_000000642089_00217_42856_0698.N1	12-MAY-2010 01:24:46	Twilight	63.500	93	53Bet Peg	2.5200	3100.0	127	42856	No
21	GOM_TRA_1PNPDE20100512_012747_000000412089_00217_42856_0699.N1	12-MAY-2010 01:27:47	Twilight	40.500	140	88Gam Peg	2.8340	26000.	81	42856	No
22	GOM_TRA_1PNPDE20100512_012913_000000522089_00217_42856_0700.N1	12-MAY-2010 01:29:13	Dark	51.500	90	54Alp Peg	2.4870	11000.	103	42856	No
23	GOM_TRA_1PNPDE20100512_014235_000000472089_00217_42856_0699.N1	12-MAY-2010 01:42:35	Dark	47.000	18	24Alp PsA	1.1660	9700.0	94	42856	No
24	GOM_TRA_1PNPDE20100512_014705_000000472089_00217_42856_0700.N1	12-MAY-2010 01:47:05	Dark	47.000	63	Bet Gru	2.1500	2800.0	94	42856	No
25	GOM_TRA_1PNPDE20100512_014826_000000432089_00217_42856_0701.N1	12-MAY-2010 01:48:26	Dark	42.500	31	Alp Gru	1.7340	15200.	85	42856	No
26	GOM_TRA_1PNPDE20100512_015402_000000462089_00218_42857_0702.N1	12-MAY-2010 01:54:02	Dark	45.500	45	Alp Pav	1.9400	26000.	91	42857	No
27	GOM_TRA_1PNPDE20100512_020123_000000492089_00218_42857_0703.N1	12-MAY-2010 02:01:23	Straylight	49.000	141	Bet Ara	2.8400	4600.0	98	42857	No
28	GOM_TRA_1PNPDE20100512_020348_000000492089_00218_42857_0704.N1	12-MAY-2010 02:03:48	Straylight	48.500	40	The Sco	1.8590	7100.0	97	42857	No
29	GOM_TRA_1PNPDE20100512_020540_000000512089_00218_42857_0705.N1	12-MAY-2010 02:05:40	Straylight	51.000	25	35Lam Sco	1.6200	28000.	102	42857	No
30	GOM_TRA_1PNPDE20100512_020812_000000532089_00218_42857_0706.N1	12-MAY-2010 02:08:12	Straylight	52.500	75	26Eps Sco	2.2910	4250.0	105	42857	No
31	GOM_TRA_1PNPDE20100512_021127_000000592089_00218_42857_0707.N1	12-MAY-2010 02:11:27	Twilight	58.500	16	21Alp Sco	1.0200	3000.0	117	42857	No
32	GOM_TRA_1PNPDE20100512_021317_000000502089_00218_42857_0708.N1	12-MAY-2010 02:13:17	Bright	49.500	80	7Del Sco	2.3160	30000.	99	42857	No
33	GOM_TRA_1PNPDE20100512_021604_000000402089_00218_42857_0709.N1	12-MAY-2010 02:16:04	Bright	40.000	122	9Alp2Lib	2.7470	9700.0	80	42857	No
34	GOM_TRA_1PNPDE20100512_021802_000000422089_00218_42857_0710.N1	12-MAY-2010 02:18:02	Bright	41.500	104	27Bet Lib	2.6140	13100.	83	42857	No
35	GOM_TRA_1PNPDE20100512_022633_000000412089_00218_42857_0711.N1	12-MAY-2010 02:26:33	Bright	40.500	3	16Alp Boo	-0.050000	4250.0	81	42857	No
36	GOM_TRA_1PNPDE20100512_022911_000000392089_00218_42857_0712.N1	12-MAY-2010 02:29:11	Bright	39.000	83		2.3780	11000.	78	42857	No
37	GOM_TRA_1PNPDE20100512_023218_000000402089_00218_42857_0713.N1	12-MAY-2010 02:32:18	Bright	40.000	180	27Gam Boo	3.0400	8000.0	80	42857	No
38	GOM_TRA_1PNPDE20100512_023503_000000372089_00218_42857_0714.N1	12-MAY-2010 02:35:03	Bright	37.000	39	85Eta UMa	1.8540	24000.	74	42857	No
39	GOM_TRA_1PNPDE20100512_024117_000000422089_00218_42857_0715.N1	12-MAY-2010 02:41:17	Bright	41.500	119	14Eta Dra	2.7270	4700.0	83	42857	No
40	GOM_TRA_1PNPDE20100512_025209_000000452089_00218_42857_0722.N1	12-MAY-2010 02:52:09	Bright	45.000	89	5Alp Cep	2.4510	8000.0	90	42857	No
41	GOM_TRA_1PNPDE20100512_025520_000000542089_00218_42857_0723.N1	12-MAY-2010 02:55:20	Bright	54.000	74	11Bet Cas	2.2680	6600.0	108	42857	No
42	GOM_TRA_1PNPDE20100512_030523_000000652089_00218_42857_0724.N1	12-MAY-2010 03:05:23	Twilight	64.500	93	53Bet Peg	2.5200	3100.0	129	42857	No
43	GOM_TRA_1PNPDE20100512_030823_000000422089_00218_42857_0725.N1	12-MAY-2010 03:08:23	Twilight	42.000	140	88Gam Peg	2.8340	26000.	84	42857	No
44	GOM_TRA_1PNPDE20100512_030949_000000512089_00218_42857_0726.N1	12-MAY-2010 03:09:49	Dark	50.500	90	54Alp Peg	2.4870	11000.	101	42857	No
45	GOM_TRA_1PNPDE20100512_032312_000000492089_00218_42857_0727.N1	12-MAY-2010 03:23:12	Dark	48.500	18	24Alp PsA	1.1660	9700.0	97	42857	No
46	GOM_TRA_1PNPDE20100512_032741_000000472089_00218_42857_0728.N1	12-MAY-2010 03:27:41	Dark	46.500	63	Bet Gru	2.1500	2800.0	93	42857	No
47	GOM_TRA_1PNPDE20100512_032903_000000462089_00218_42857_0729.N1	12-MAY-2010 03:29:03	Dark	46.000	31	Alp Gru	1.7340	15200.	92	42857	No
48	GOM_TRA_1PNPDE20100512_033438_000000422089_00219_42858_0730.N1	12-MAY-2010 03:34:38	Dark	41.500	45	Alp Pav	1.9400	26000.	83	42858	No
49	GOM_TRA_1PNPDE20100512_034200_000000422089_00219_42858_0731.N1	12-MAY-2010 03:42:00	Straylight	42.000	141	Bet Ara	2.8400	4600.0	84	42858	No
50	GOM_TRA_1PNPDE20100512_034424_000000532089_00219_42858_0732.N1	12-MAY-2010 03:44:24	Straylight	52.500	40	The Sco	1.8590	7100.0	105	42858	No
51	GOM_TRA_1PNPDE20100512_034616_000000572089_00219_42858_0733.N1	12-MAY-2010 03:46:16	Straylight	56.500	25	35Lam Sco	1.6200	28000.	113	42858	No
52	GOM_TRA_1PNPDE20100512_034848_000000502089_00219_42858_0734.N1	12-MAY-2010 03:48:48	Straylight	50.000	75	26Eps Sco	2.2910	4250.0	100	42858	No
53	GOM_TRA_1PNPDE20100512_035203_000000682089_00219_42858_0735.N1	12-MAY-2010 03:52:03	Twilight	68.000	16	21Alp Sco	1.0200	3000.0	136	42858	No
54	GOM_TRA_1PNPDE20100512_035353_000000592089_00219_42858_0736.N1	12-MAY-2010 03:53:53	Bright	59.000	80	7Del Sco	2.3160	30000.	118	42858	No
55	GOM_TRA_1PNPDE20100512_035640_000000382089_00219_42858_0737.N1	12-MAY-2010 03:56:40	Bright	38.000	122	9Alp2Lib	2.7470	9700.0	76	42858	No
56	GOM_TRA_1PNPDE20100512_035838_000000422089_00219_42858_0738.N1	12-MAY-2010 03:58:38	Bright	42.000	104	27Bet Lib	2.6140	13100.	84	42858	No
57	GOM_TRA_1PNPDE20100512_040709_000000372089_00219_42858_0739.N1	12-MAY-2010 04:07:09	Bright	37.000	3	16Alp Boo	-0.050000	4250.0	74	42858	No
58	GOM_TRA_1PNPDE20100512_040947_000000412089_00219_42858_0740.N1	12-MAY-2010 04:09:47	Bright	41.000	83		2.3780	11000.	82	42858	No
59	GOM_TRA_1PNPDE20100512_041254_000000382089_00219_42858_0741.N1	12-MAY-2010 04:12:54	Bright	38.000	180	27Gam Boo	3.0400	8000.0	76	42858	No
60	GOM_TRA_1PNPDE20100512_041539_000000362089_00219_42858_0742.N1	12-MAY-2010 04:15:39	Bright	35.500	39	85Eta UMa	1.8540	24000.	71	42858	No
61	GOM_TRA_1PNPDE20100512_042152_000000412089_00219_42858_0743.N1	12-MAY-2010 04:21:52	Bright	41.000	119	14Eta Dra	2.7270	4700.0	82	42858	No
62	GOM_TRA_1PNPDE20100512_043245_000000432089_00219_42858_0744.N1	12-MAY-2010 04:32:45	Bright	43.000	89	5Alp Cep	2.4510	8000.0	86	42858	No
63	GOM_TRA_1PNPDE20100512_043556_000000422089_00219_42858_0745.N1	12-MAY-2010 04:35:56	Bright	41.500	74	11Bet Cas	2.2680	6600.0	83	42858	No
64	GOM_TRA_1PNPDE20100512_044559_000000532089_00219_42858_0746.N1	12-MAY-2010 04:45:59	Twilight	53.000	93	53Bet Peg	2.5200	3100.0	106	42858	No
65	GOM_TRA_1PNPDE20100512_044900_000000422089_00219_42858_0747.N1	12-MAY-2010 04:49:00	Twilight	42.000	140	88Gam Peg	2.8340	26000.	84	42858	No
66	GOM_TRA_1PNPDE20100512_045026_000000532089_00219_42858_0748.N1	12-MAY-2010 04:50:26	Dark	53.000	90	54Alp Peg	2.4870	11000.	106	42858	No
67	GOM_TRA_1PNPDE20100512_050348_000000452089_00219_42858_0749.N1	12-MAY-2010 05:03:48	Dark	44.500	18	24Alp PsA	1.1660	9700.0	89	42858	No

68	GOM_TRA_1PNPDE20100512_050818_000000552089_00219_42858_0750.N1	12-MAY-2010 05:08:18	Dark	54.500	63	Bet Gru	2.1500	2800.0	109	42858	No
69	GOM_TRA_1PNPDE20100512_050939_000000452089_00219_42858_0751.N1	12-MAY-2010 05:09:39	Dark	45.000	31	Alp Gru	1.7340	15200.	90	42858	No
70	GOM_TRA_1PNPDE20100512_051515_000000432089_00220_42859_0752.N1	12-MAY-2010 05:15:15	Dark	43.000	45	Alp Pav	1.9400	26000.	86	42859	No
71	GOM_TRA_1PNPDE20100512_052236_000000442089_00220_42859_0753.N1	12-MAY-2010 05:22:36	Straylight	44.000	141	Bet Ara	2.8400	4600.0	88	42859	No
72	GOM_TRA_1PNPDE20100512_052501_000000542089_00220_42859_0754.N1	12-MAY-2010 05:25:01	Straylight	53.500	40	The Sco	1.8590	7100.0	107	42859	No
73	GOM_TRA_1PNPDE20100512_052653_000000562089_00220_42859_0755.N1	12-MAY-2010 05:26:53	Straylight	55.500	25	35Lam Sco	1.6200	28000.	111	42859	No
74	GOM_TRA_1PNPDE20100512_052925_000000532089_00220_42859_0756.N1	12-MAY-2010 05:29:25	Straylight	52.500	75	26Eps Sco	2.2910	4250.0	105	42859	No
75	GOM_TRA_1PNPDE20100512_053240_000000622089_00220_42859_0757.N1	12-MAY-2010 05:32:40	Twilight	61.500	16	21Alp Sco	1.0200	3000.0	123	42859	No
76	GOM_TRA_1PNPDE20100512_053430_000000582089_00220_42859_0758.N1	12-MAY-2010 05:34:30	Bright	58.000	80	7Del Sco	2.3160	30000.	116	42859	No
77	GOM_TRA_1PNPDE20100512_053717_000000412089_00220_42859_0759.N1	12-MAY-2010 05:37:17	Bright	40.500	122	9Alp2Lib	2.7470	9700.0	81	42859	No
78	GOM_TRA_1PNPDE20100512_053914_000000412089_00220_42859_0760.N1	12-MAY-2010 05:39:14	Bright	41.000	104	27Bet Lib	2.6140	13100.	82	42859	No
79	GOM_TRA_1PNPDE20100512_054745_000000382089_00220_42859_0761.N1	12-MAY-2010 05:47:45	Bright	37.500	3	16Alp Boo	-0.050000	4250.0	75	42859	No
80	GOM_TRA_1PNPDE20100512_055023_000000412089_00220_42859_0762.N1	12-MAY-2010 05:50:23	Bright	41.000	83		2.3780	11000.	82	42859	No
81	GOM_TRA_1PNPDE20100512_055330_000000392089_00220_42859_0763.N1	12-MAY-2010 05:53:30	Bright	38.500	180	27Gam Boo	3.0400	8000.0	77	42859	No
82	GOM_TRA_1PNPDE20100512_055615_000000392089_00220_42859_0764.N1	12-MAY-2010 05:56:15	Bright	39.000	39	85Eta UMa	1.8540	24000.	78	42859	No
83	GOM_TRA_1PNPDE20100512_060228_000000432089_00220_42859_0765.N1	12-MAY-2010 06:02:28	Bright	43.000	119	14Eta Dra	2.7270	4700.0	86	42859	No
84	GOM_TRA_1PNPDE20100512_203223_000000542089_00229_42868_0892.N1	12-MAY-2010 20:32:23	Straylight	53.500	25	35Lam Sco	1.6200	28000.	107	42868	No
85	GOM_TRA_1PNPDE20100512_203453_000000562089_00229_42868_0893.N1	12-MAY-2010 20:34:53	Straylight	55.500	75	26Eps Sco	2.2910	4250.0	111	42868	No
86	GOM_TRA_1PNPDE20100512_203806_000000582089_00229_42868_0894.N1	12-MAY-2010 20:38:06	Twilight	58.000	16	21Alp Sco	1.0200	3000.0	116	42868	No
87	GOM_TRA_1PNPDE20100512_203955_000000542089_00229_42868_0895.N1	12-MAY-2010 20:39:55	Bright	54.000	80	7Del Sco	2.3160	30000.	108	42868	No
88	GOM_TRA_1PNPDE20100512_204241_000000392089_00229_42868_0896.N1	12-MAY-2010 20:42:41	Bright	39.000	122	9Alp2Lib	2.7470	9700.0	78	42868	No
89	GOM_TRA_1PNPDE20100512_204437_000000412089_00229_42868_0897.N1	12-MAY-2010 20:44:37	Bright	40.500	104	27Bet Lib	2.6140	13100.	81	42868	No
90	GOM_TRA_1PNPDE20100512_205013_000000382089_00229_42868_0898.N1	12-MAY-2010 20:50:13	Bright	38.000	102	24Alp Ser	2.6000	4250.0	76	42868	No
91	GOM_TRA_1PNPDE20100512_205308_000000392089_00229_42868_0899.N1	12-MAY-2010 20:53:08	Bright	38.500	3	16Alp Boo	-0.050000	4250.0	77	42868	No
92	GOM_TRA_1PNPDE20100512_205544_000000402089_00229_42868_0900.N1	12-MAY-2010 20:55:44	Bright	39.500	83		2.3780	11000.	79	42868	No
93	GOM_TRA_1PNPDE20100512_205851_000000392089_00229_42868_0901.N1	12-MAY-2010 20:58:51	Bright	38.500	180	27Gam Boo	3.0400	8000.0	77	42868	No
94	GOM_TRA_1PNPDE20100512_210138_000000382089_00229_42868_0902.N1	12-MAY-2010 21:01:38	Bright	37.500	39	85Eta UMa	1.8540	24000.	75	42868	No
95	GOM_TRA_1PNPDE20100512_210747_000000432089_00229_42868_0903.N1	12-MAY-2010 21:07:47	Bright	43.000	119	14Eta Dra	2.7270	4700.0	86	42868	No
96	GOM_TRA_1PNPDE20100512_211841_000000442089_00229_42868_0904.N1	12-MAY-2010 21:18:41	Bright	44.000	89	5Alp Cep	2.4510	8000.0	88	42868	No
97	GOM_TRA_1PNPDE20100512_212155_000000542089_00229_42868_0905.N1	12-MAY-2010 21:21:55	Bright	54.000	74	11Bet Cas	2.2680	6600.0	108	42868	No
98	GOM_TRA_1PNPDE20100512_213200_000000592089_00229_42868_0906.N1	12-MAY-2010 21:32:00	Twilight	58.500	93	53Bet Peg	2.5200	3100.0	117	42868	No
99	GOM_TRA_1PNPDE20100512_213502_000000402089_00229_42868_0907.N1	12-MAY-2010 21:35:02	Twilight	40.000	140	88Gam Peg	2.8340	26000.	80	42868	No
100	GOM_TRA_1PNPDE20100512_213630_000000522089_00229_42868_0908.N1	12-MAY-2010 21:36:30	Dark	51.500	90	54Alp Peg	2.4870	11000.	103	42868	No
101	GOM_TRA_1PNPDE20100512_214955_000000472089_00229_42868_0914.N1	12-MAY-2010 21:49:55	Dark	46.500	18	24Alp PsA	1.1660	9700.0	93	42868	No
102	GOM_TRA_1PNPDE20100512_215423_000000492089_00229_42868_0915.N1	12-MAY-2010 21:54:23	Dark	48.500	63	Bet Gru	2.1500	2800.0	97	42868	No
103	GOM_TRA_1PNPDE20100512_215546_000000422089_00229_42868_0916.N1	12-MAY-2010 21:55:46	Dark	41.500	31	Alp Gru	1.7340	15200.	83	42868	No
104	GOM_TRA_1PNPDE20100512_220122_000000412089_00230_42869_0917.N1	12-MAY-2010 22:01:22	Dark	40.500	45	Alp Pav	1.9400	26000.	81	42869	No
105	GOM_TRA_1PNPDE20100512_220841_000000502089_00230_42869_0918.N1	12-MAY-2010 22:08:41	Straylight	49.500	141	Bet Ara	2.8400	4600.0	99	42869	No
106	GOM_TRA_1PNPDE20100512_221108_000000492089_00230_42869_0919.N1	12-MAY-2010 22:11:08	Straylight	48.500	40	The Sco	1.8590	7100.0	97	42869	No
107	GOM_TRA_1PNPDE20100512_221300_000000542089_00230_42869_0920.N1	12-MAY-2010 22:13:00	Straylight	54.000	25	35Lam Sco	1.6200	28000.	108	42869	No
108	GOM_TRA_1PNPDE20100512_221529_000000542089_00230_42869_0921.N1	12-MAY-2010 22:15:29	Straylight	53.500	75	26Eps Sco	2.2910	4250.0	107	42869	No
109	GOM_TRA_1PNPDE20100512_221842_000000592089_00230_42869_0922.N1	12-MAY-2010 22:18:42	Twilight	58.500	16	21Alp Sco	1.0200	3000.0	117	42869	No
110	GOM_TRA_1PNPDE20100512_222031_000000632089_00230_42869_0923.N1	12-MAY-2010 22:20:31	Bright	63.000	80	7Del Sco	2.3160	30000.	126	42869	No
111	GOM_TRA_1PNPDE20100512_222317_000000392089_00230_42869_0924.N1	12-MAY-2010 22:23:17	Bright	39.000	122	9Alp2Lib	2.7470	9700.0	78	42869	No
112	GOM_TRA_1PNPDE20100512_222513_000000422089_00230_42869_0925.N1	12-MAY-2010 22:25:13	Bright	41.500	104	27Bet Lib	2.6140	13100.	83	42869	No
113	GOM_TRA_1PNPDE20100512_223049_000000382089_00230_42869_0926.N1	12-MAY-2010 22:30:49	Bright	38.000	102	24Alp Ser	2.6000	4250.0	76	42869	No
114	GOM_TRA_1PNPDE20100512_223344_000000372089_00230_42869_0927.N1	12-MAY-2010 22:33:44	Bright	37.000	3	16Alp Boo	-0.050000	4250.0	74	42869	No
115	GOM_TRA_1PNPDE20100512_223620_000000422089_00230_42869_0928.N1	12-MAY-2010 22:36:20	Bright	41.500	83		2.3780	11000.	83	42869	No
116	GOM_TRA_1PNPDE20100512_223927_000000382089_00230_42869_0929.N1	12-MAY-2010 22:39:27	Bright	38.000	180	27Gam Boo	3.0400	8000.0	76	42869	No
117	GOM_TRA_1PNPDE20100512_224214_000000352089_00230_42869_0930.N1	12-MAY-2010 22:42:14	Bright	35.000	39	85Eta UMa	1.8540	24000.	70	42869	No
118	GOM_TRA_1PNPDE20100512_224822_000000452089_00230_42869_0931.N1	12-MAY-2010 22:48:22	Bright	44.500	119	14Eta Dra	2.7270	4700.0	89	42869	No
119	GOM_TRA_1PNPDE20100512_225916_000000462089_00230_42869_0932.N1	12-MAY-2010 22:59:16	Bright	46.000	89	5Alp Cep	2.4510	8000.0	92	42869	No
120	GOM_TRA_1PNPDE20100512_230231_000000542089_00230_42869_0933.N1	12-MAY-2010 23:02:31	Bright	54.000	74	11Bet Cas	2.2680	6600.0	108	42869	No
121	GOM_TRA_1PNPDE20100512_231236_000000662089_00230_42869_0934.N1	12-MAY-2010 23:12:36	Twilight	66.000	93	53Bet Peg	2.5200	3100.0	132	42869	No
122	GOM_TRA_1PNPDE20100512_231538_000000422089_00230_42869_0935.N1	12-MAY-2010 23:15:38	Twilight	42.000	140	88Gam Peg	2.8340	26000.	84	42869	No
123	GOM_TRA_1PNPDE20100512_231706_000000532089_00230_42869_0936.N1	12-MAY-2010 23:17:06	Dark	53.000	90	54Alp Peg	2.4870	11000.	106	42869	No
124	GOM_TRA_1PNPDE20100512_233031_000000482089_00230_42869_0935.N1	12-MAY-2010 23:30:31	Dark	47.500	18	24Alp PsA	1.1660	9700.0	95	42869	No
125	GOM_TRA_1PNPDE20100512_233459_000000472089_00230_42869_0936.N1	12-MAY-2010 23:34:59	Dark	46.500	63	Bet Gru	2.1500	2800.0	93	42869	No
126	GOM_TRA_1PNPDE20100512_233623_000000422089_00230_42869_0937.N1	12-MAY-2010 23:36:23	Dark	41.500	31	Alp Gru	1.7340	15200.	83	42869	No

127	GOM_TRA_1PNPDE20100512_234158_000000412089_00231_42870_0938.N1	12-MAY-2010 23:41:58	Dark	41.000	45	Alp Pav	1.9400	26000.	82	42870	No
128	GOM_TRA_1PNPDE20100512_234918_000000402089_00231_42870_0939.N1	12-MAY-2010 23:49:18	Straylight	40.000	141	Bet Ara	2.8400	4600.0	80	42870	No
129	GOM_TRA_1PNPDE20100512_235144_000000532089_00231_42870_0940.N1	12-MAY-2010 23:51:44	Straylight	53.000	40	The Sco	1.8590	7100.0	106	42870	No
130	GOM_TRA_1PNPDE20100512_235336_000000582089_00231_42870_0941.N1	12-MAY-2010 23:53:36	Straylight	57.500	25	35Lam Sco	1.6200	28000.	115	42870	No
131	GOM_TRA_1PNPDE20100512_235605_000000532089_00231_42870_0942.N1	12-MAY-2010 23:56:05	Straylight	53.000	75	26Eps Sco	2.2910	4250.0	106	42870	No
132	GOM_TRA_1PNPDE20100512_235918_000000632089_00231_42870_0943.N1	12-MAY-2010 23:59:18	Twilight_and_stray	63.000	16	21Alp Sco	1.0200	3000.0	126	42870	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).

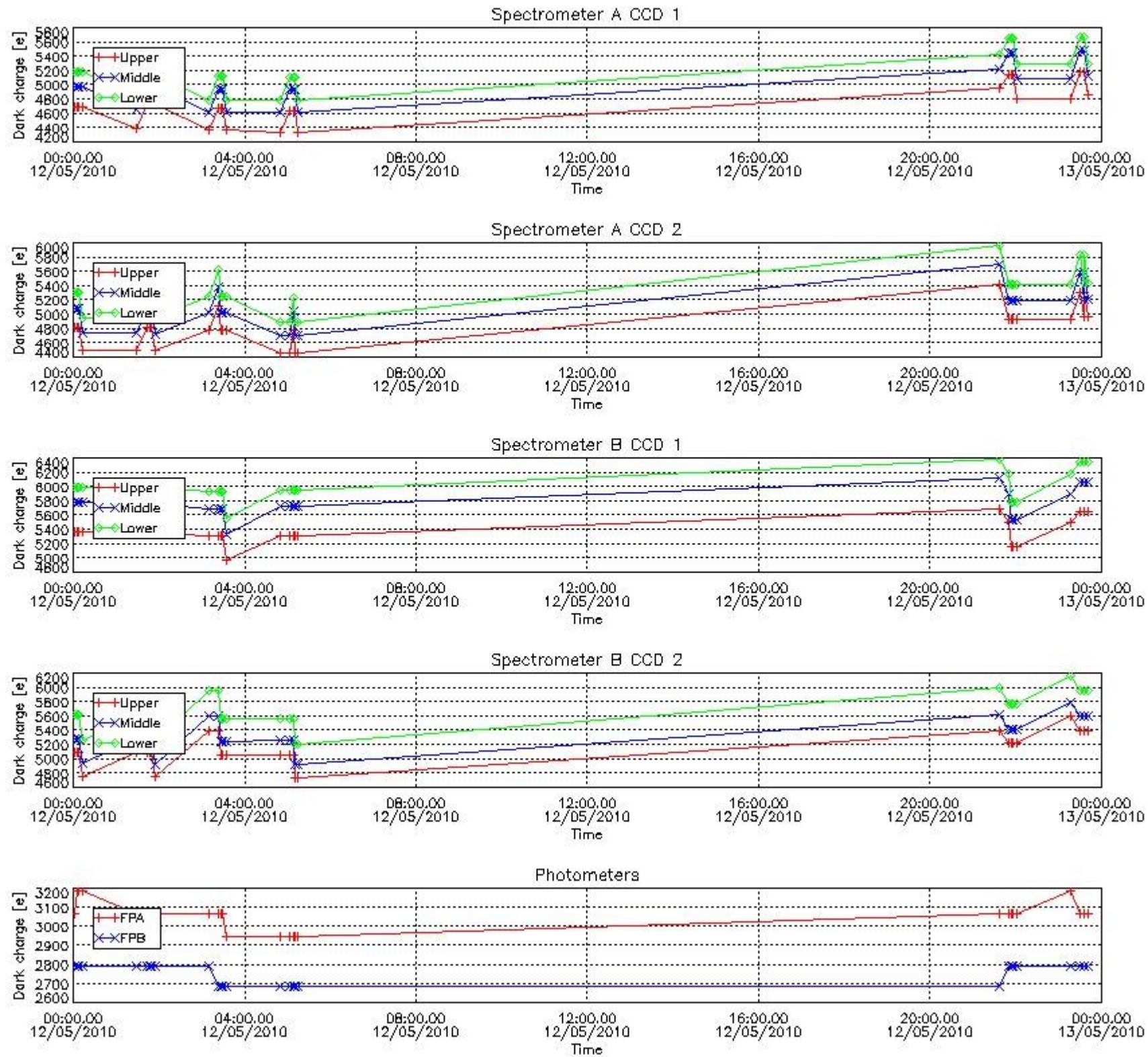
In this section a list of products that did not use the Dark Sky Area (DSA) observation for the DC computation is given. It is also provided the mean DC plot per product for dark limb products with no error flag set.

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

Product name	DC information
GOM_TRA_1PNPDE20100512_203223_000000542089_00229_42868_0892.N1	DC map used
GOM_TRA_1PNPDE20100512_203453_000000562089_00229_42868_0893.N1	DC map used
GOM_TRA_1PNPDE20100512_203806_000000582089_00229_42868_0894.N1	DC map used
GOM_TRA_1PNPDE20100512_203955_000000542089_00229_42868_0895.N1	DC map used

GOM_TRA_1PNPDE20100512_204241_000000392089_00229_42868_0896.N1	DC map used
GOM_TRA_1PNPDE20100512_204437_000000412089_00229_42868_0897.N1	DC map used
GOM_TRA_1PNPDE20100512_205013_000000382089_00229_42868_0898.N1	DC map used
GOM_TRA_1PNPDE20100512_205308_000000392089_00229_42868_0899.N1	DC map used
GOM_TRA_1PNPDE20100512_205544_000000402089_00229_42868_0900.N1	DC map used
GOM_TRA_1PNPDE20100512_205851_000000392089_00229_42868_0901.N1	DC map used
GOM_TRA_1PNPDE20100512_210138_000000382089_00229_42868_0902.N1	DC map used
GOM_TRA_1PNPDE20100512_210747_000000432089_00229_42868_0903.N1	DC map used
GOM_TRA_1PNPDE20100512_211841_000000442089_00229_42868_0904.N1	DC map used
GOM_TRA_1PNPDE20100512_212155_000000542089_00229_42868_0905.N1	DC map used
GOM_TRA_1PNPDE20100512_213200_000000592089_00229_42868_0906.N1	DC map used
GOM_TRA_1PNPDE20100512_213502_000000402089_00229_42868_0907.N1	DC map used
GOM_TRA_1PNPDE20100512_213630_000000522089_00229_42868_0908.N1	DC map used

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



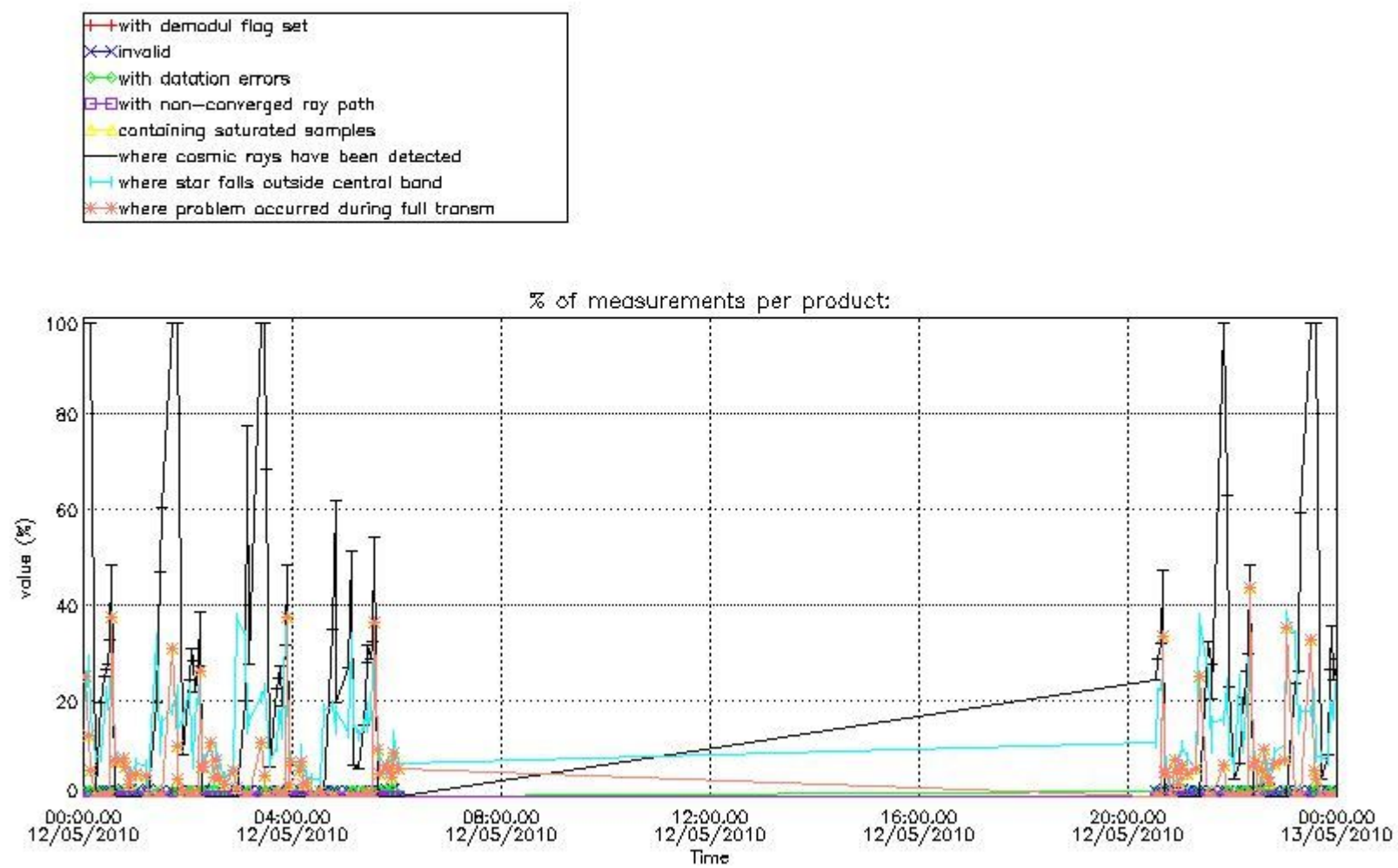
5. Demodulation flag and quality information monitoring

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.

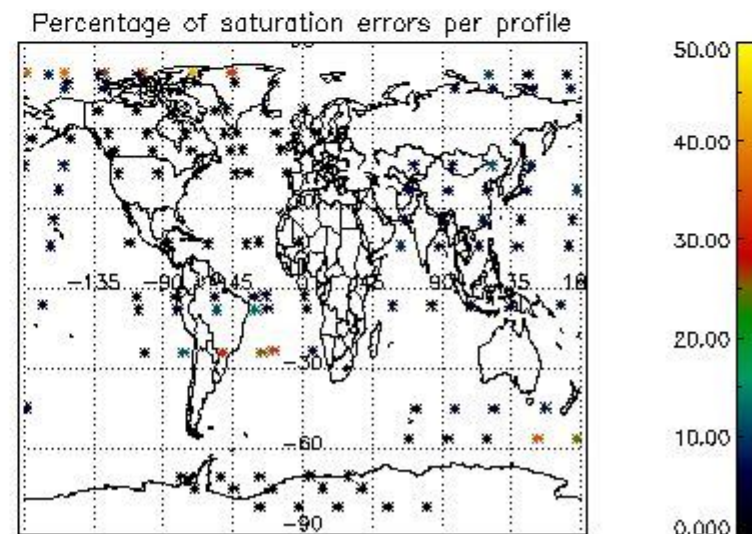
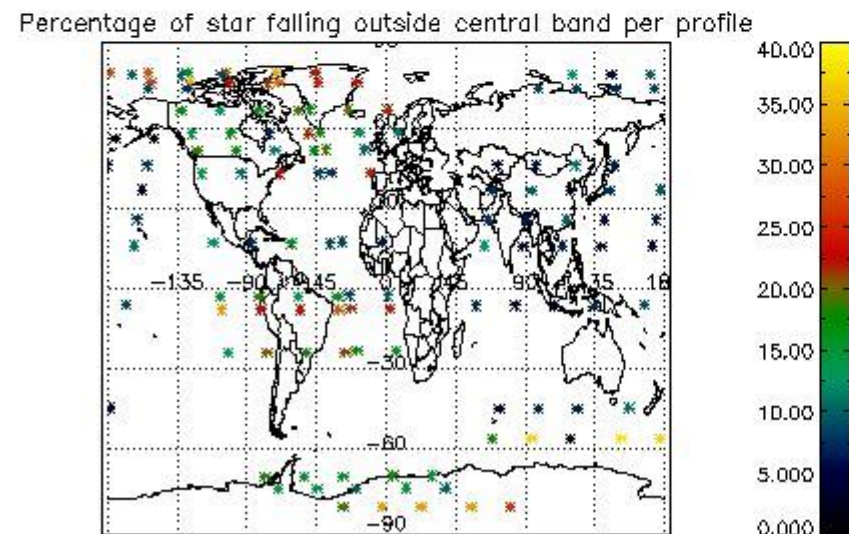
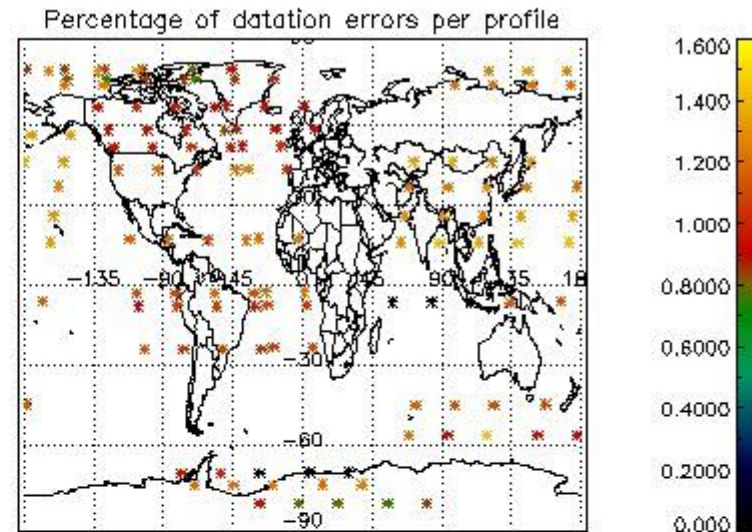
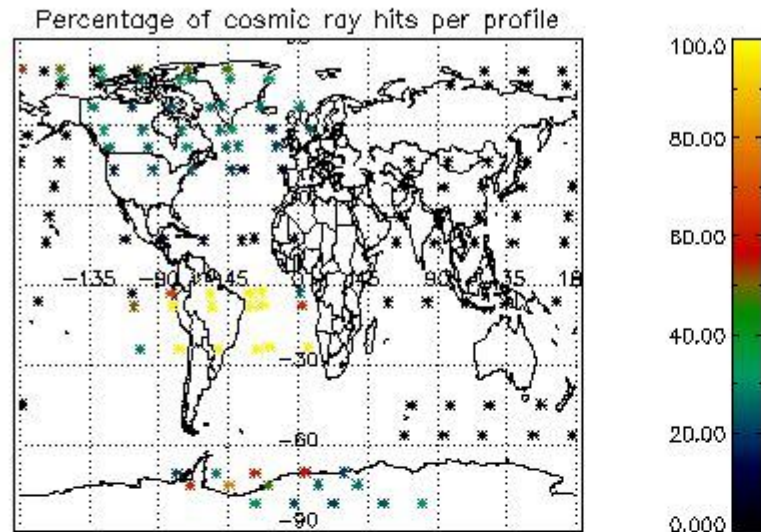
5.1 Percentage of products during reporting period with:

At least one measurement with demodulation flag set:	51.5152 %
Reference spectrum computed from DB:	0.00000 %
Reference spectrum with small number of measurements:	0.00000 %
SATU data not used:	0.00000 %

5.2 Plot quality information per product (time dependant)



5.3 Plot quality information per product (world map)



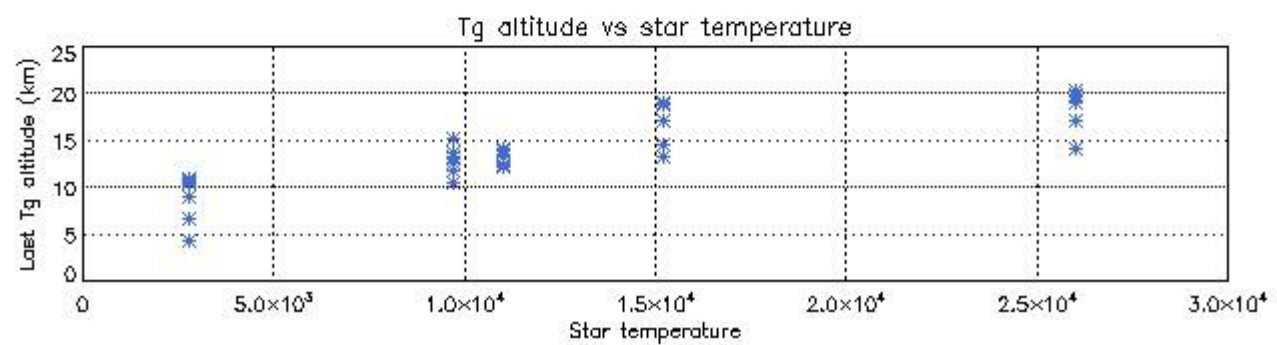
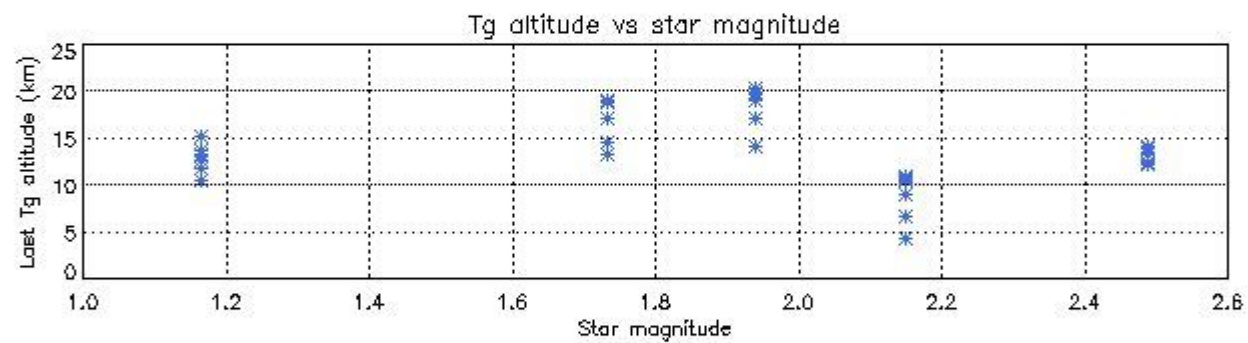
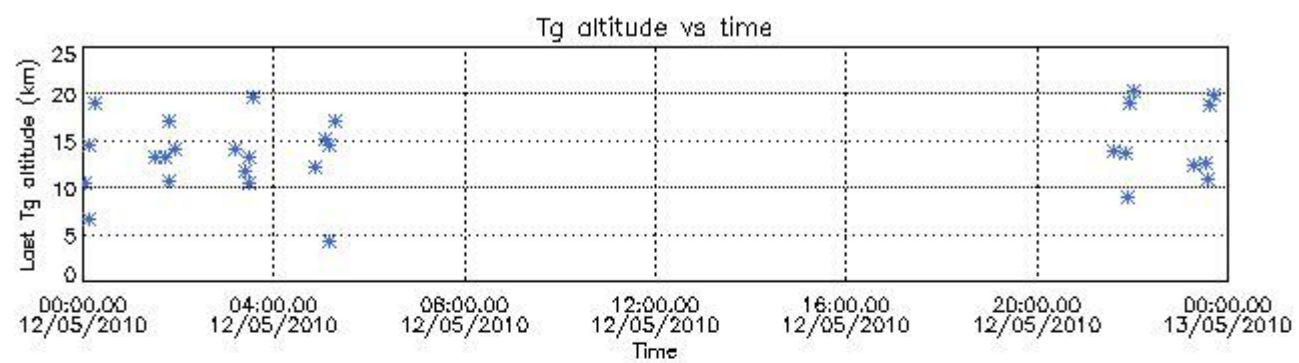
6. Statistics and plot of tangent altitude of the last measurement (DARK & BRIGHT products without errors)

6.1 Statistics on tangent altitude lost:

Statistics	DARK	BRIGHT	TWILIGHT
Mean:	13.868	18.891	14.921
St. deviation:	3.9377	6.5633	1.3626
Maximum:	20.320	40.983	16.750
Minimum:	4.2636	4.0273	13.701
Number of data:	29.000	60.000	5.0000

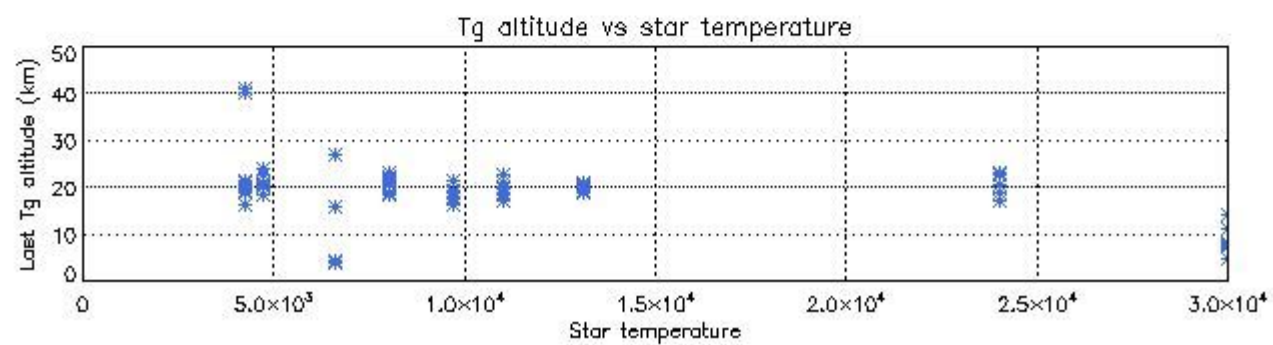
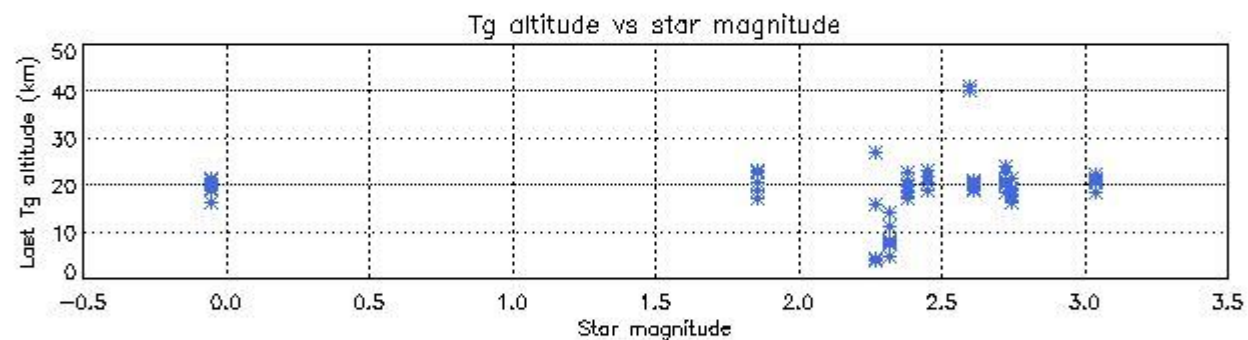
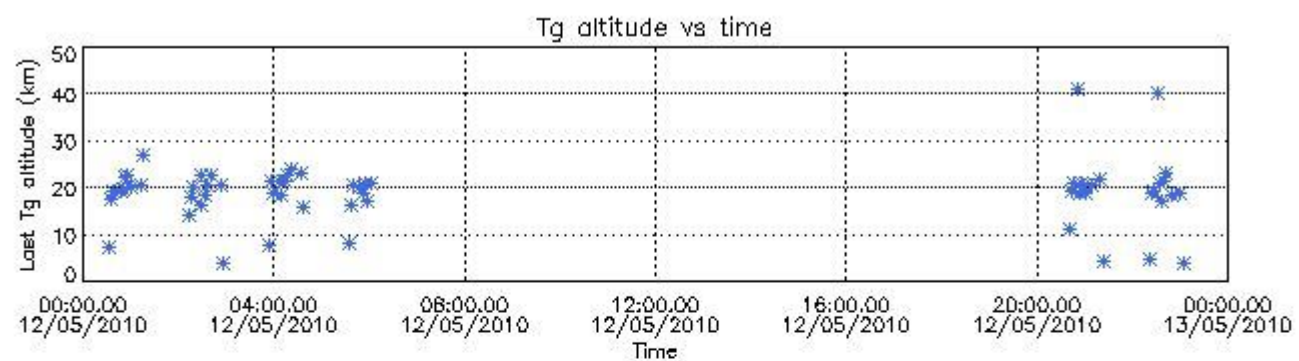
6.2 Plot for DARK limb products

Tangent altitude at which the star is lost



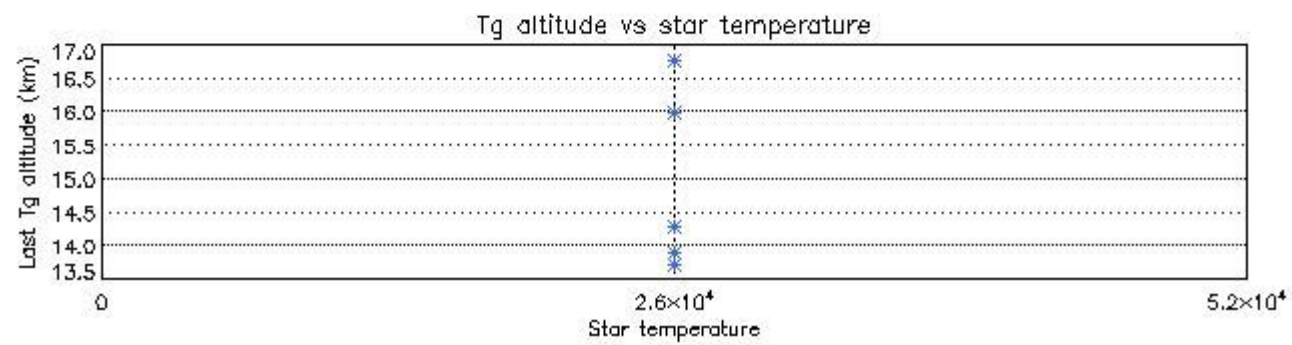
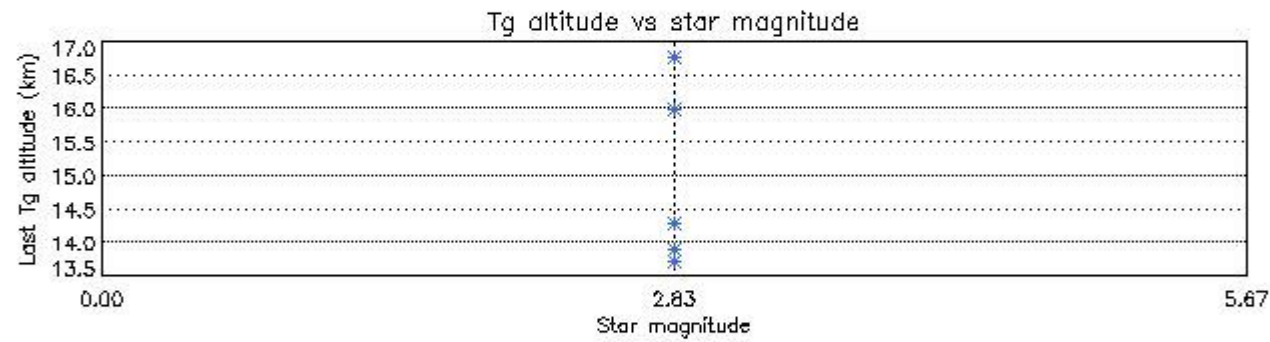
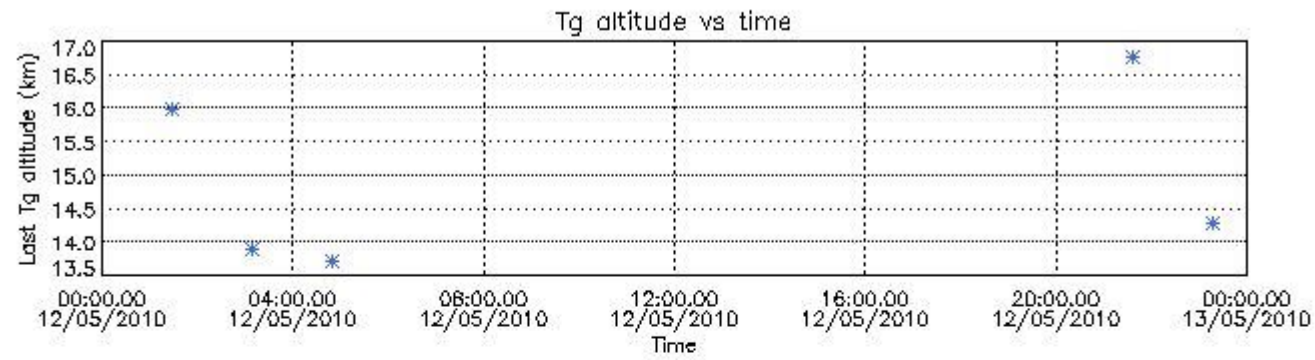
6.3 Plot for BRIGHT limb products

Tangent altitude at which the star is lost



6.3 Plot for TWILIGHT limb products

Tangent altitude at which the star is lost

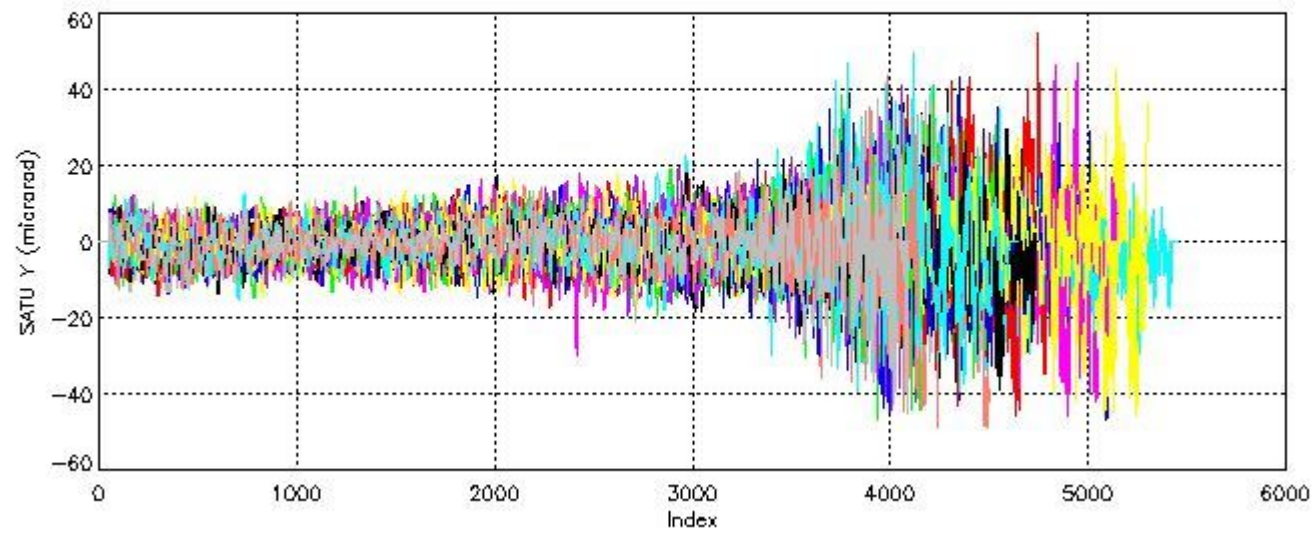
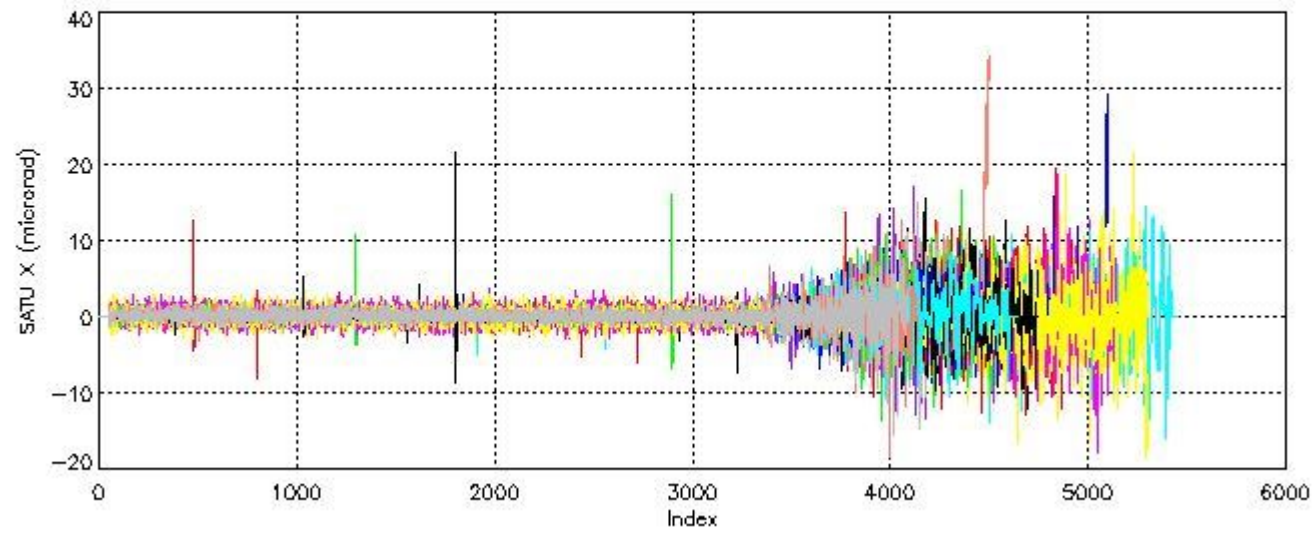


7. Star Acquisition and Tracking Unit (SATU)

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:	0.15497	-0.87741	0.24176	-0.92320
St. deviation:	0.48818	3.9217	0.82172	3.9037
Maximum:	12.600	12.700	5.7000	15.600
Minimum:	-8.1000	-15.200	-4.7000	-18.000

Number of data:	28600.	28600.	57150.	57150.
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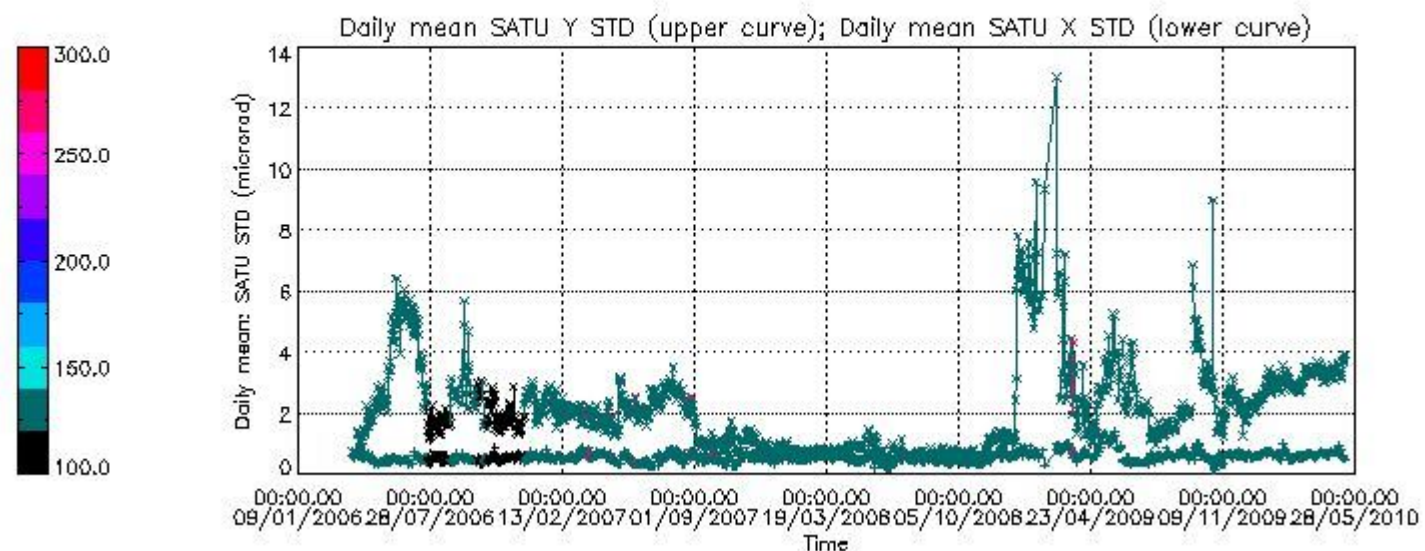
7.2.2 Trend of daily SATU NEA St. deviation since 1st April 2006 (dark limb)

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

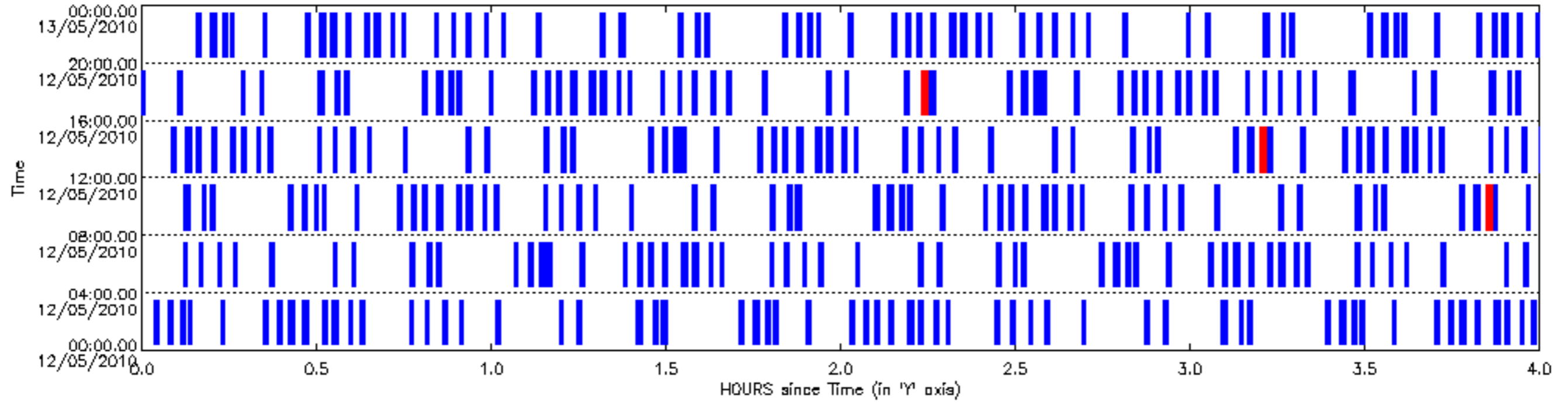
Lower curve: STD of SATU X axis

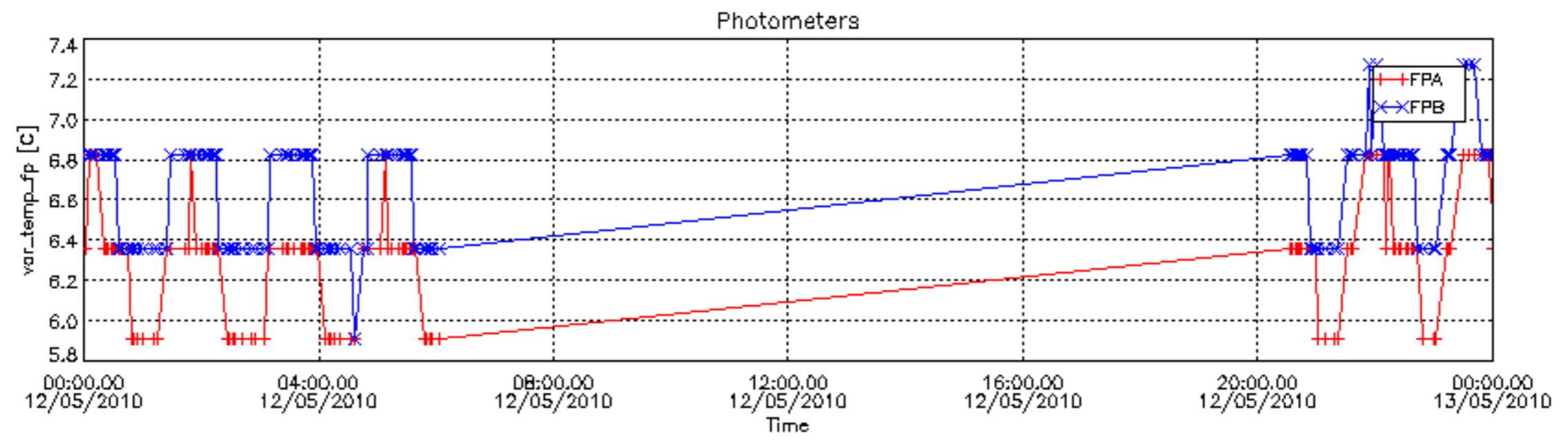
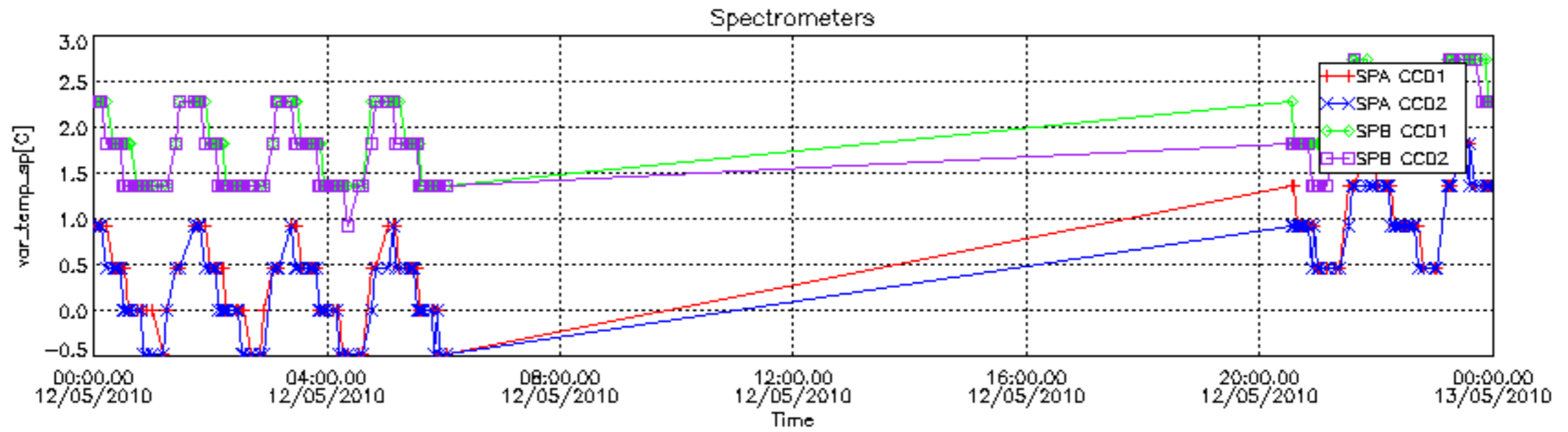


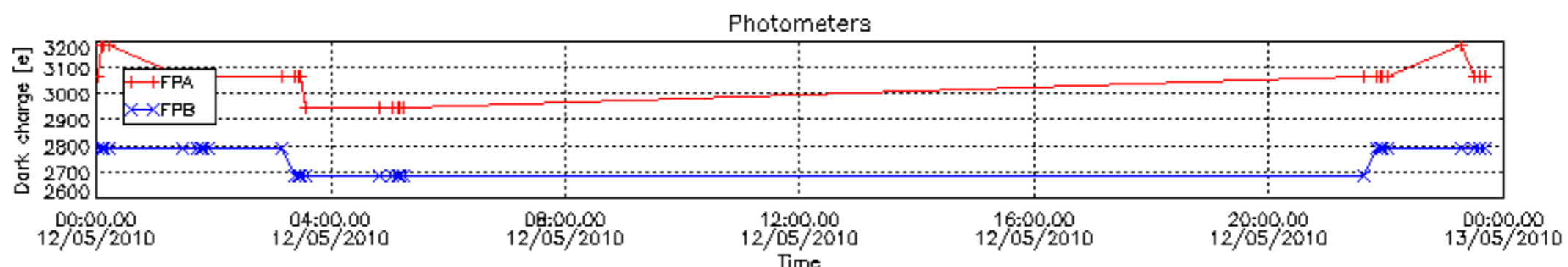
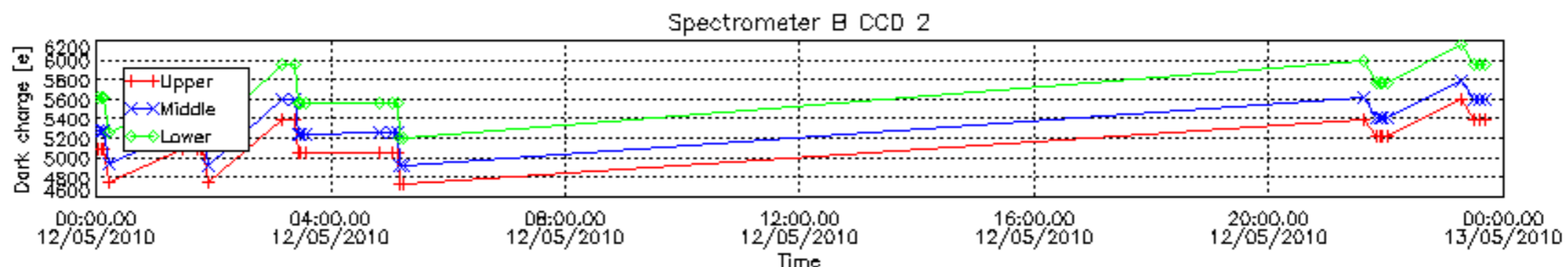
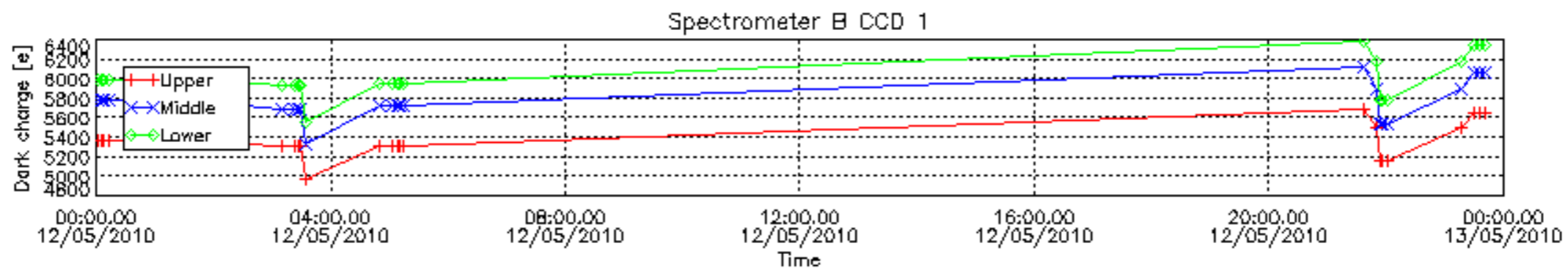
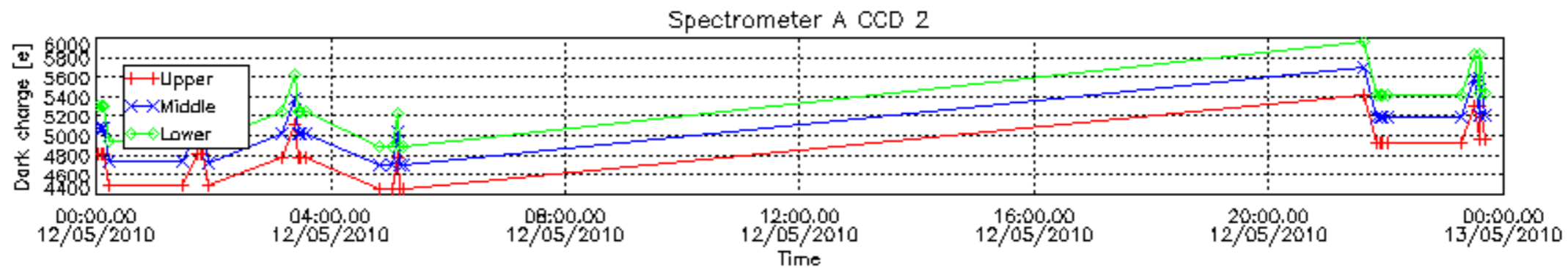
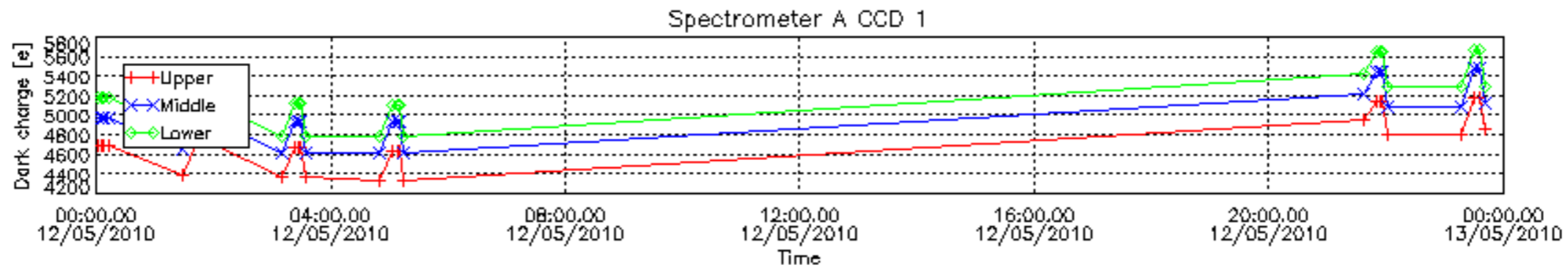
8. Auxiliary Data Files used for the production reported in section 2.4

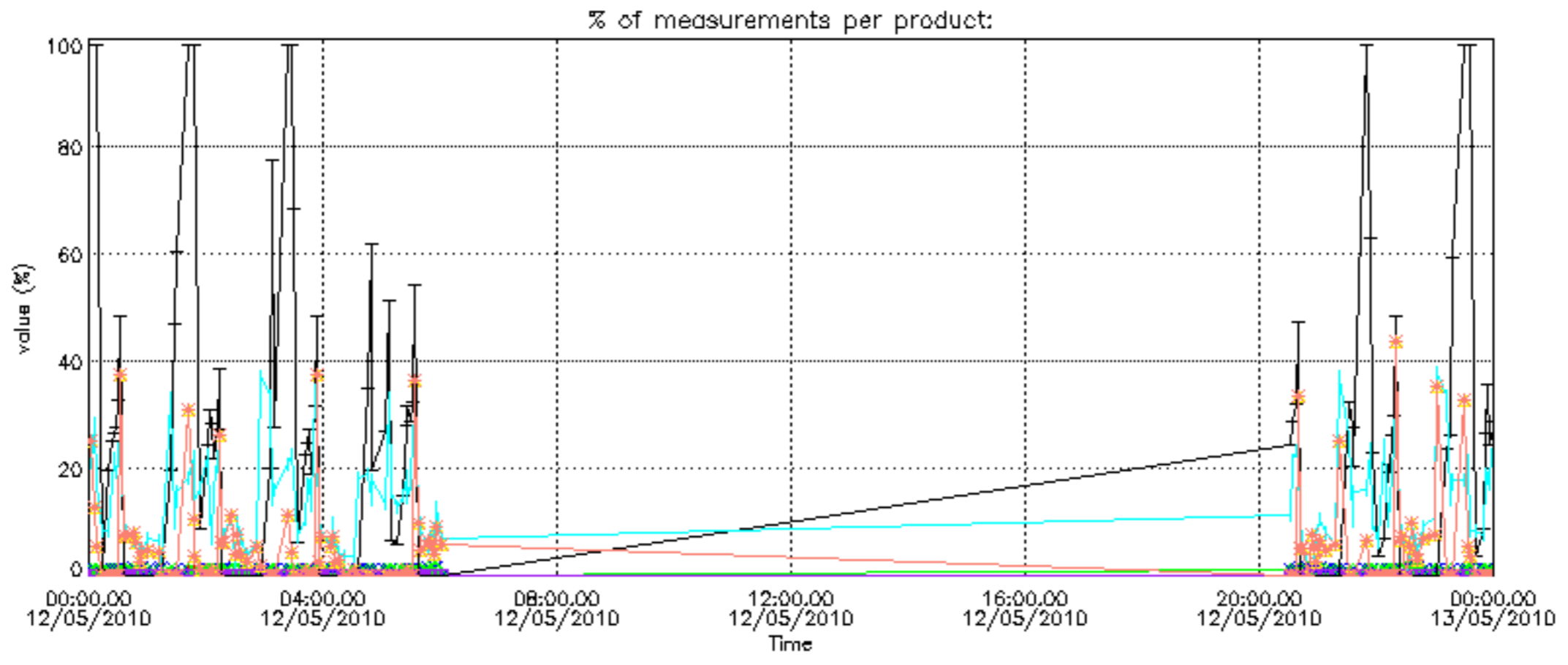
The number reported in the third column indicates since which file (see list in section 2.4) the corresponding auxiliary file has been used. The fourth column is the date of those product files.

Type	Auxiliary Filename	Used since product	Used since product date
INST_PHYS_CHARACTERISTICS	GOM_INS_AXVIEC20091111_143220_20030716_120000_20500101_000000	1	12-MAY-2010 00:01:58
CALIBRATION_DATABASE	GOM_CAL_AXVIEC20100504_084318_20100501_000000_20500101_000000	1	12-MAY-2010 00:01:58
LEVEL-1B_PROC_CONFIG	GOM_PR1_AXVIEC20091111_145255_20020301_000000_20500101_000000	1	12-MAY-2010 00:01:58
STAR_CATALOGUE	GOM_CAT_AXVIEC20020121_161009_20020101_000000_20200101_000000	1	12-MAY-2010 00:01:58
STELLAR_SPECTRA_DATABANK	GOM_STS_AXVIEC20091111_151504_20020101_160000_20500101_000000	1	12-MAY-2010 00:01:58
ECMWF_FILE	AUX_ECF_AXNECM20100511_054118_20100511_210000_20100512_090000	1	12-MAY-2010 00:01:58
ECMWF_FILE	AUX_ECF_AXNECM20100511_172924_20100512_030000_20100512_150000	62	12-MAY-2010 04:32:45
ECMWF_FILE	AUX_ECF_AXNECM20100512_052115_20100512_150000_20100513_030000	84	12-MAY-2010 20:32:23
ECMWF_FILE	AUX_ECF_AXNECM20100512_054114_20100512_210000_20100513_090000	101	12-MAY-2010 21:49:55
OPTIONAL_ECMWF_FILE	MISSING	1	12-MAY-2010 00:01:58
ORBIT_DATA_FILE	AUX_FPO_AXVPDS20100511_085918_20100510_193829_20100520_210443	1	12-MAY-2010 00:01:58
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20100512_013023_000041442089_00217_42856_0333.N1	23	12-MAY-2010 01:42:35
ORBIT_DATA_FILE	AUX_FPO_AXVPDS20100511_085918_20100510_193829_20100520_210443	40	12-MAY-2010 02:52:09
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20100512_042543_000057382089_00219_42858_0335.N1	62	12-MAY-2010 04:32:45
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20100512_202724_000041442089_00229_42868_0336.N1	84	12-MAY-2010 20:32:23
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20100512_214147_000057382089_00229_42868_0337.N1	101	12-MAY-2010 21:49:55
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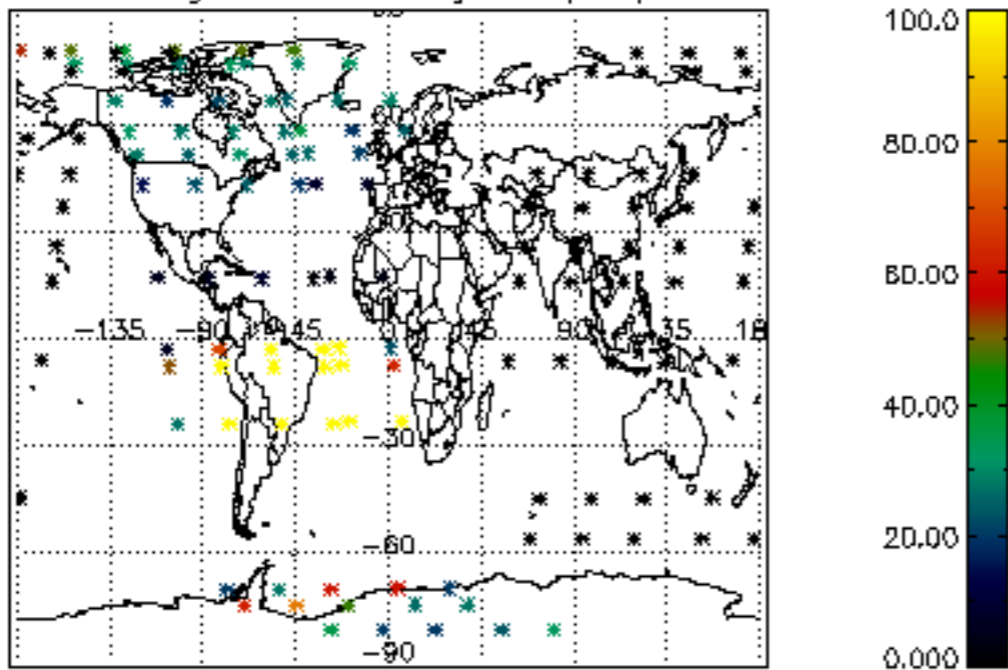




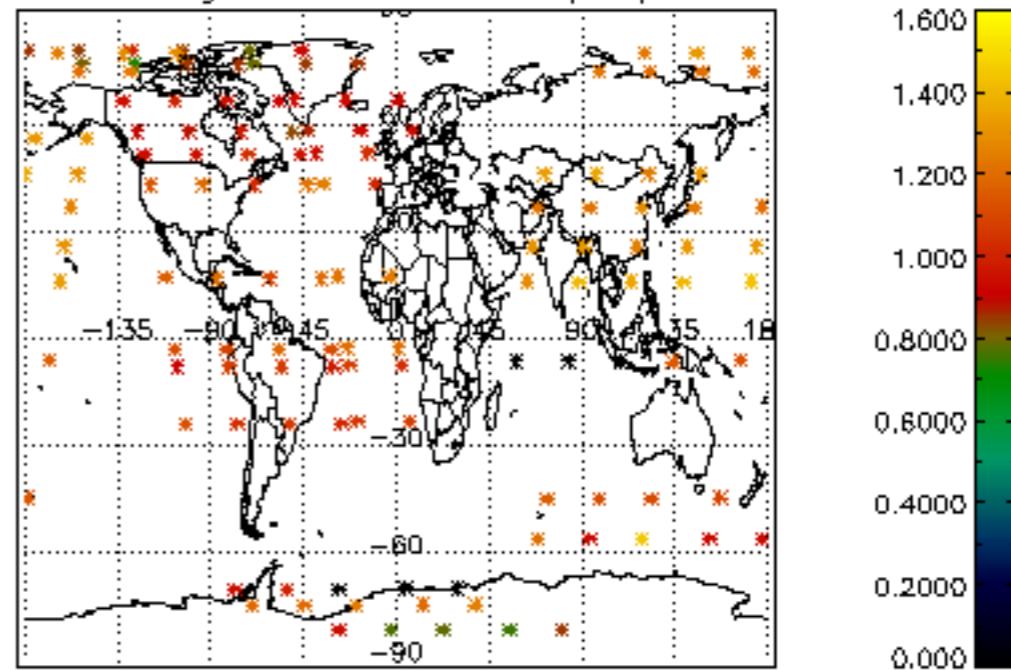




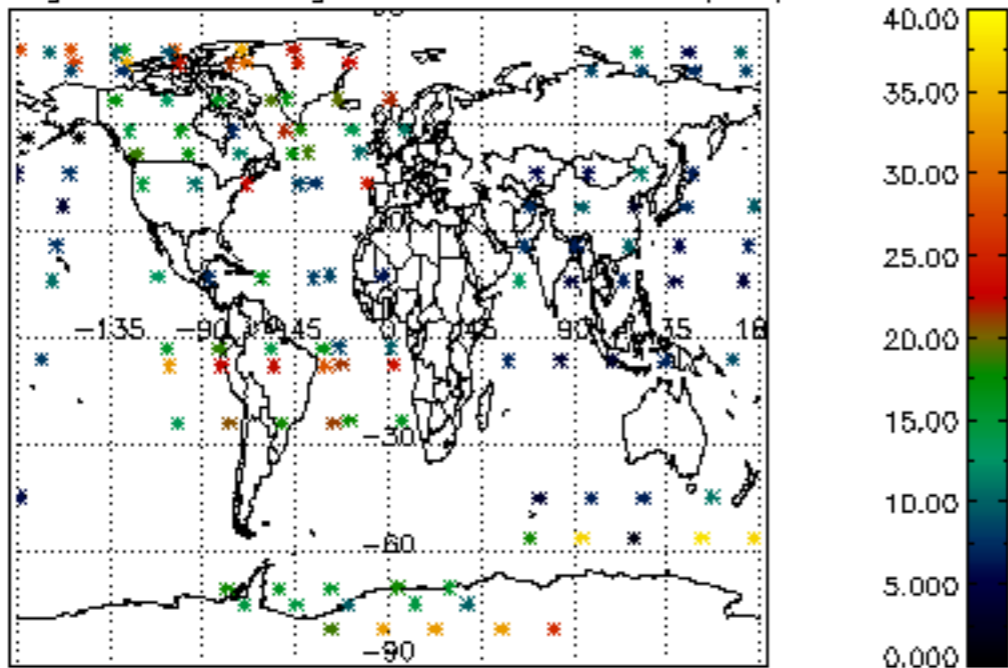
Percentage of cosmic ray hits per profile



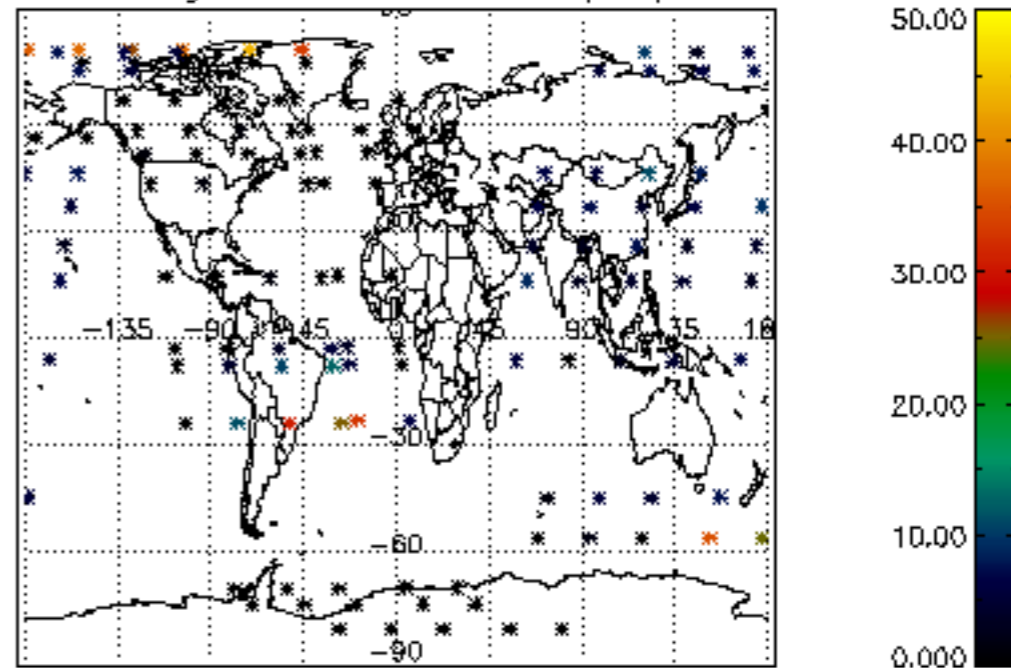
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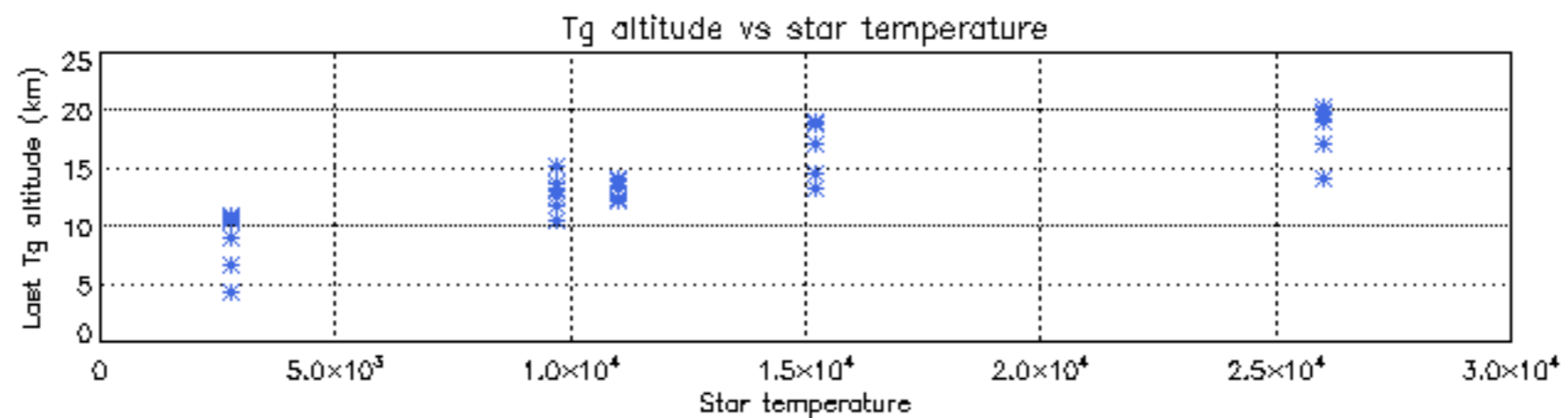
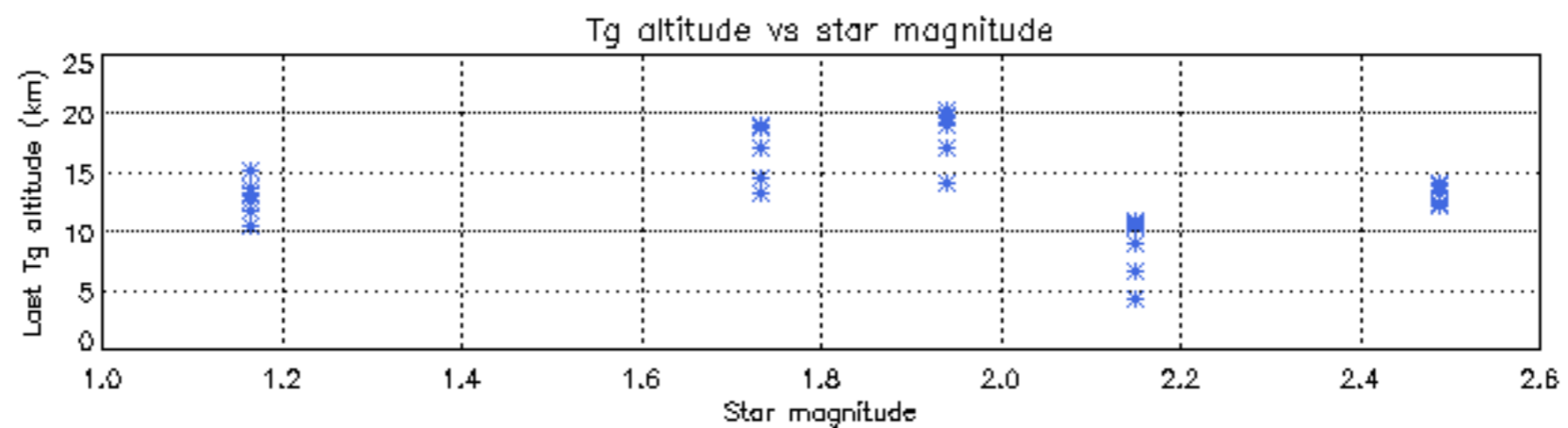
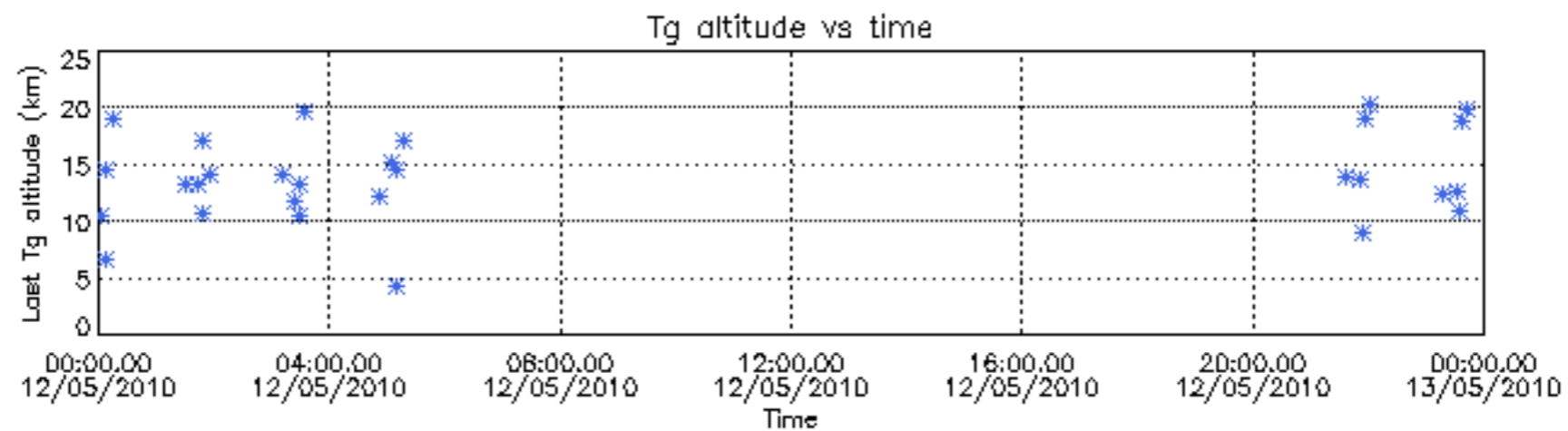
Percentage of star falling outside central band per profile



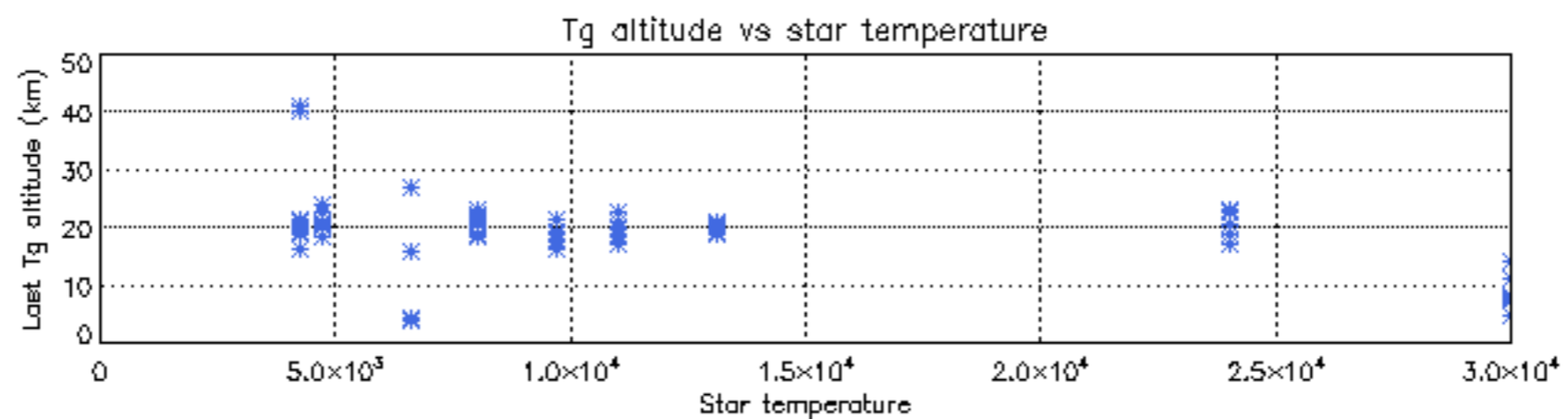
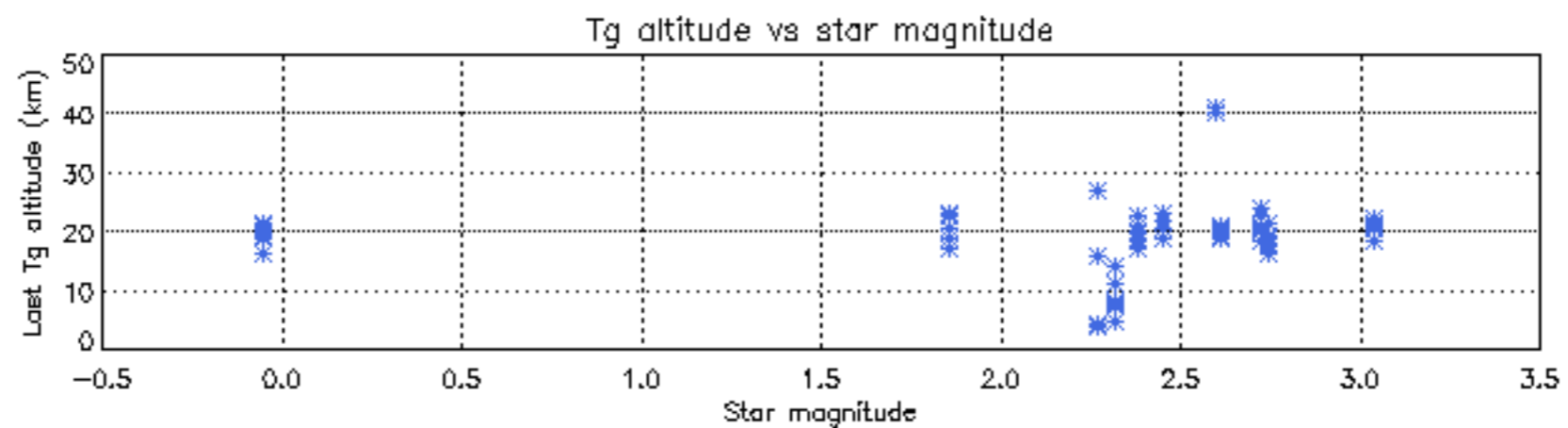
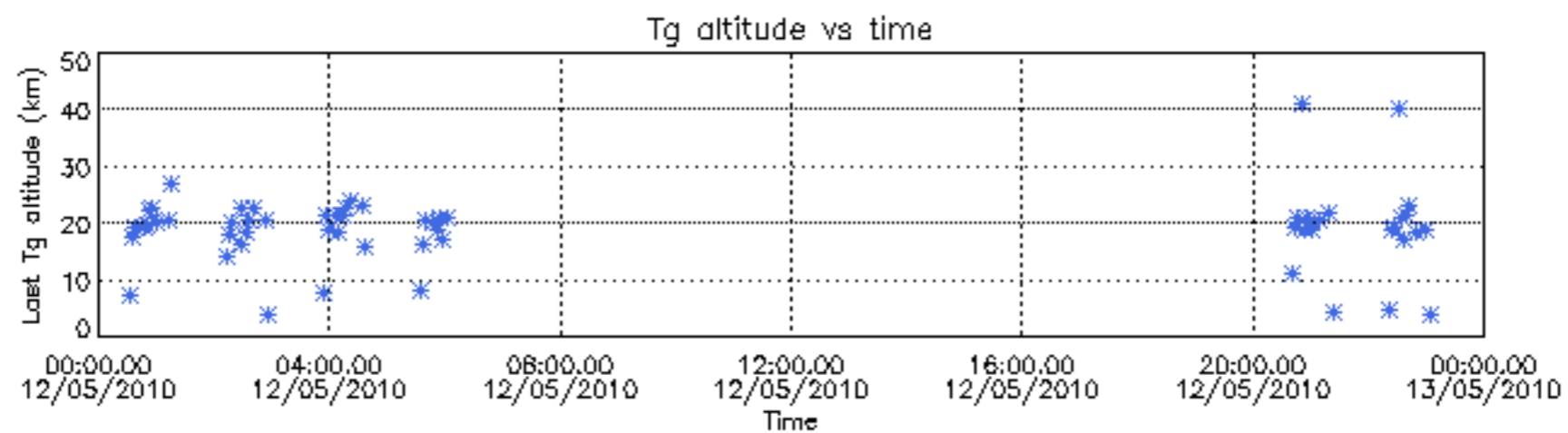
Percentage of saturation errors per profile



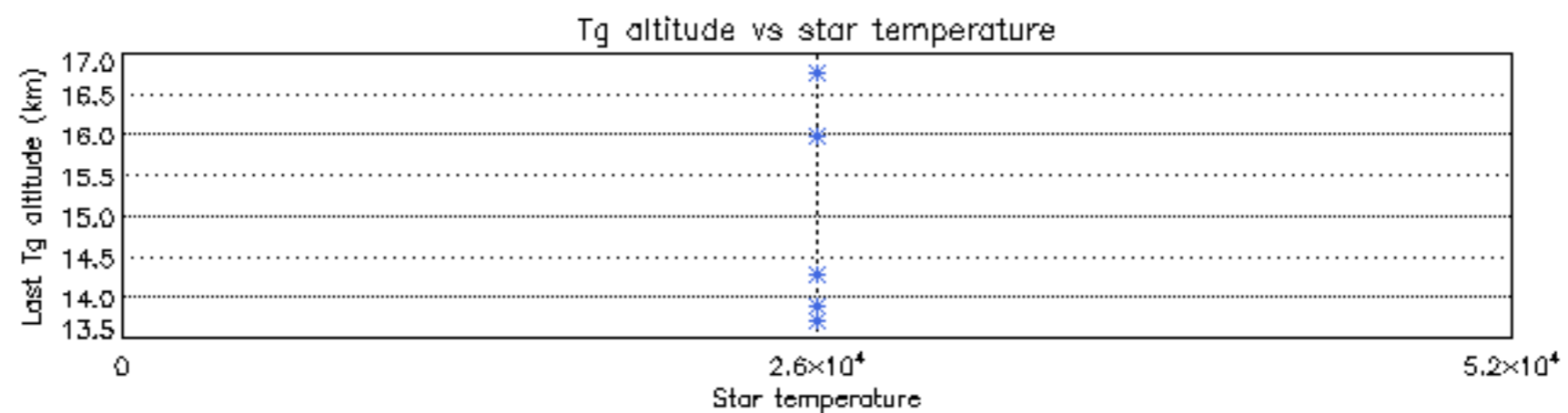
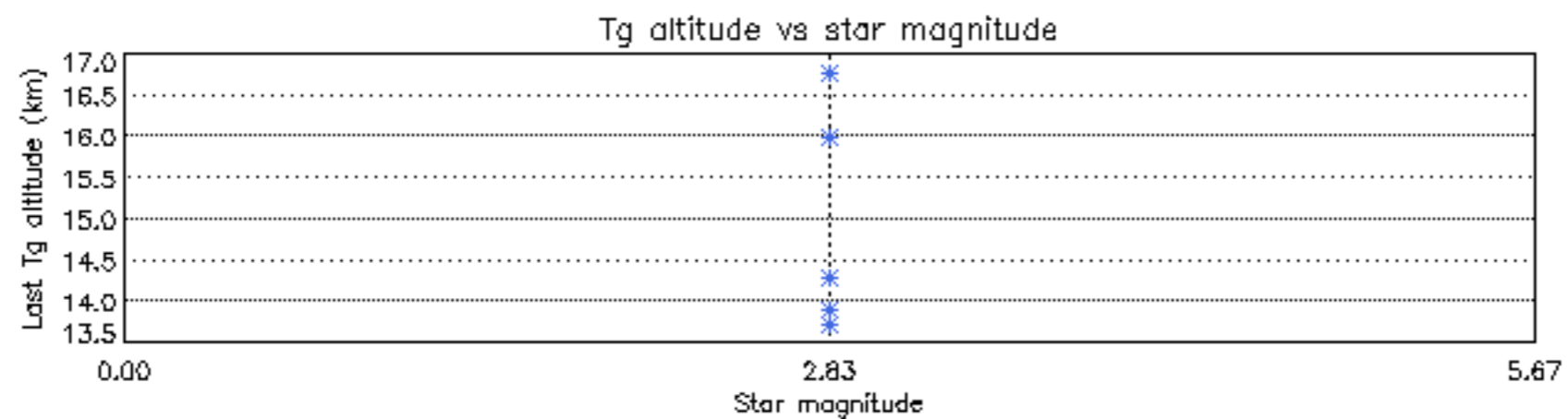
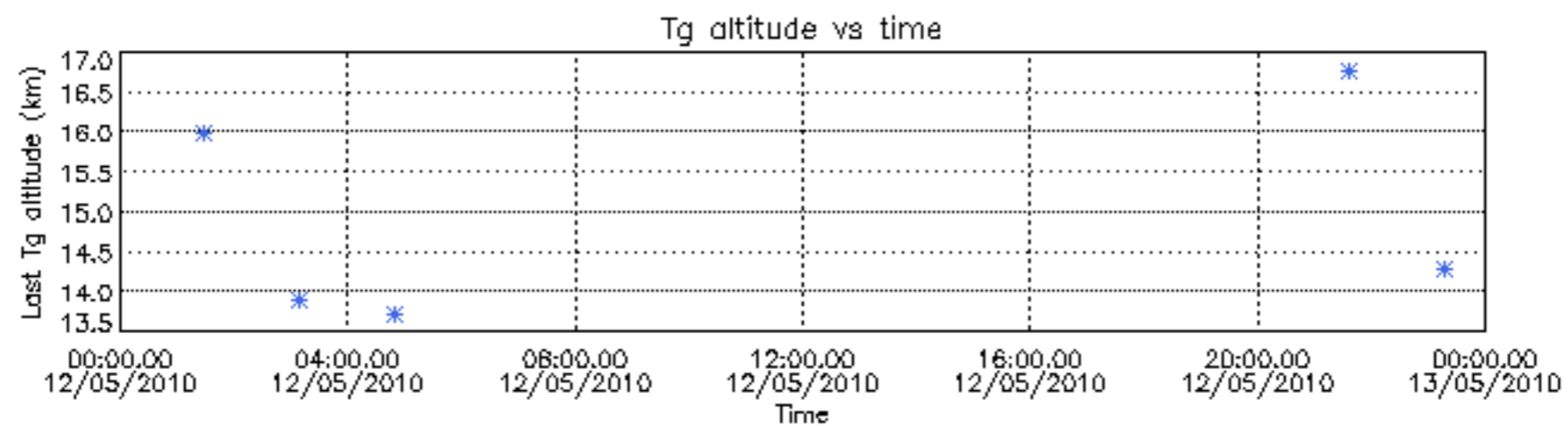
Tangent altitude at which the star is lost

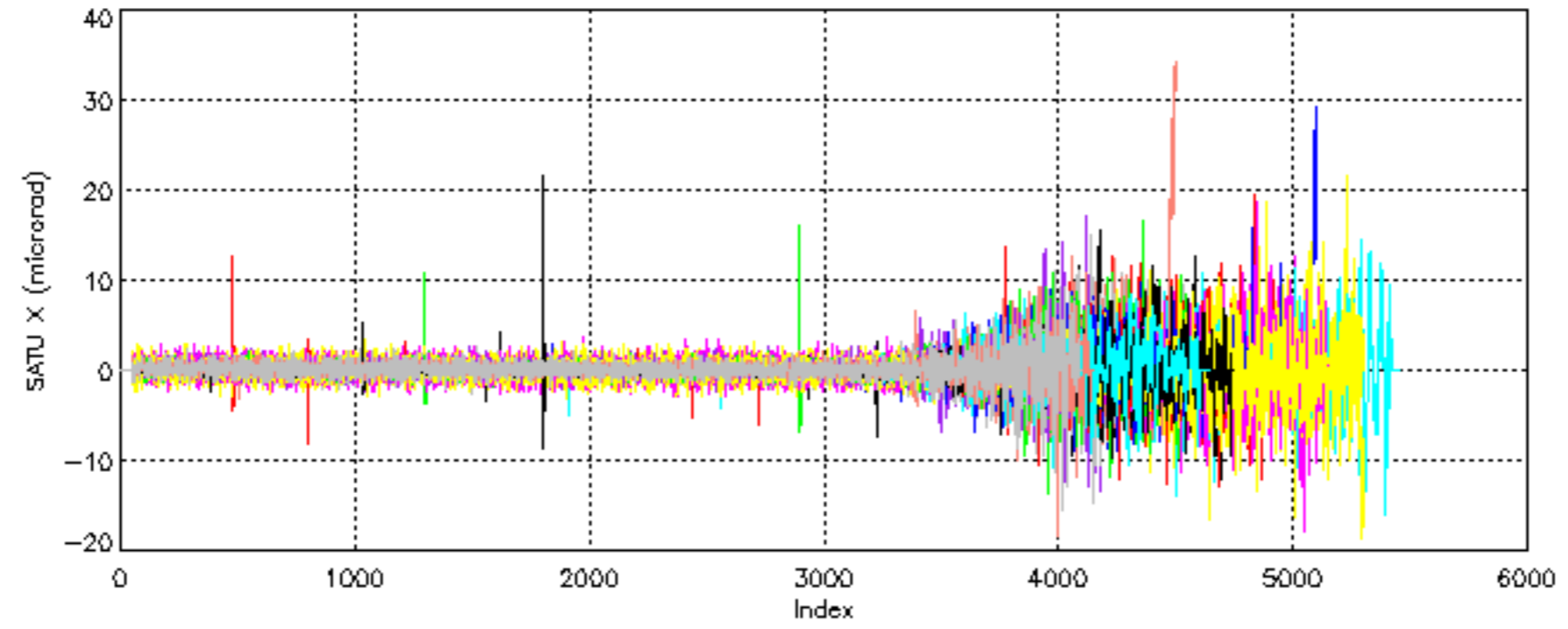


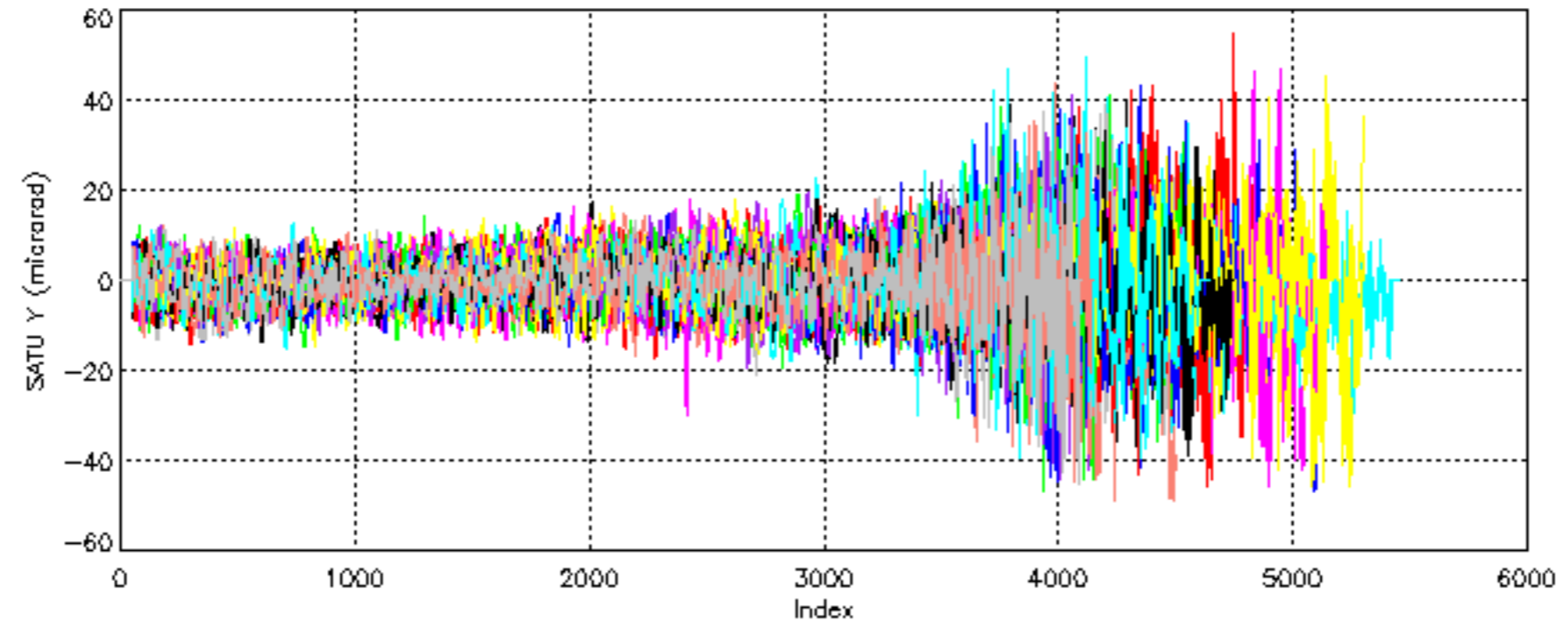
Tangent altitude at which the star is lost

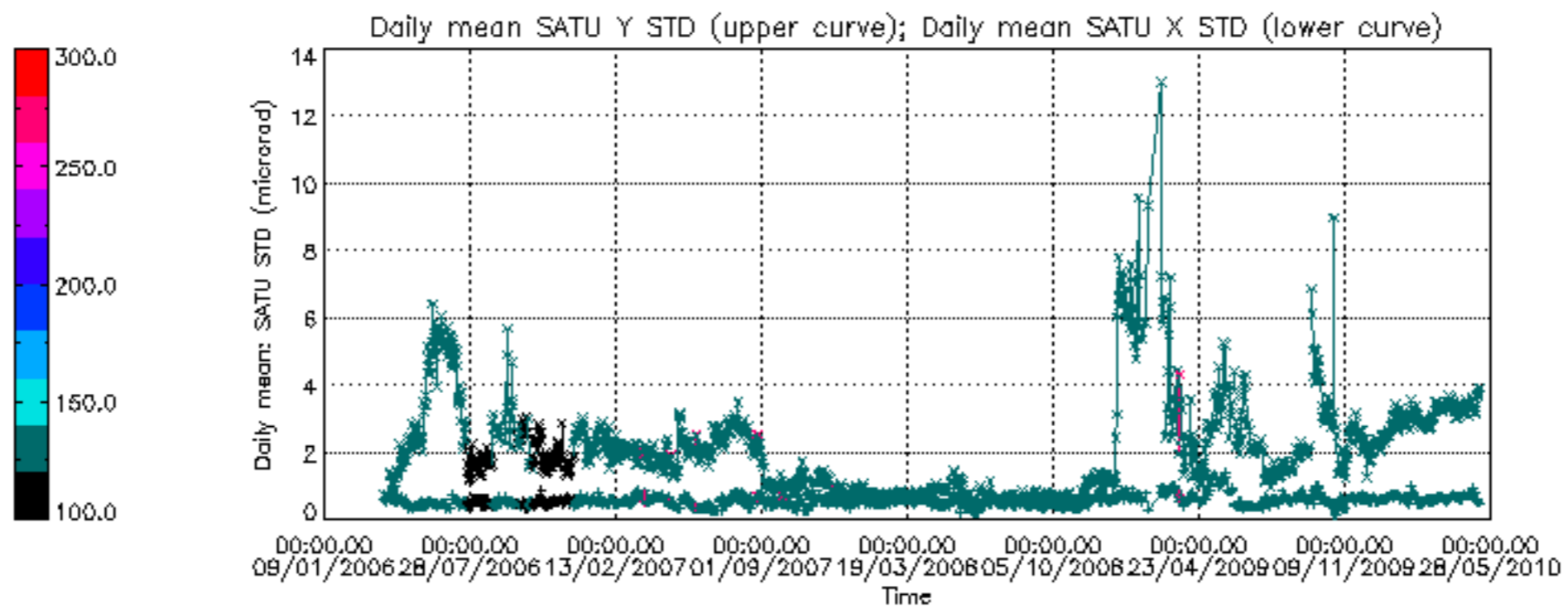


Tangent altitude at which the star is lost









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 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
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 14; 2770.6; 01-MAY-2010 01:40:49; Bright; 39.5; 39; 85Eta UMA ; 1.85; 24000;occ; 79; 0;42699
 15; 3211.4; 01-MAY-2010 01:48:10; Bright; 44.5; 119; 14Eta Dra ; 2.73; 4700;occ; 89; 0;42699
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 17; 4140.5; 01-MAY-2010 02:03:39; Bright; 32.0; 19; 50Alp Cyg ; 1.25; 10500;occ; 64; 0;42699
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 19; 4773.4; 01-MAY-2010 02:14:12; Dark ; 45.0; 90; 54Alp Peg ; 2.49; 11000;occ; 90; 0;42699
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 3; -636.8; 01-MAY-2010 02:24:38; Dark ; 62.0; 154; 22Bet Aqr ; 2.90; 5700;occ; 124; 0;42699
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 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
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 13; 2233.6; 01-MAY-2010 03:12:28; Bright; 38.0; 111; 8Eta Boo ; 2.68; 6000;occ; 76; 0;42700
 14; 2456.1; 01-MAY-2010 03:16:11; Bright; 46.0; 83; ; 2.38; 11000;occ; 92; 0;42700
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 16; 2770.8; 01-MAY-2010 03:21:25; Bright; 40.0; 39; 85Eta UMA ; 1.85; 24000;occ; 80; 0;42700
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 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
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 13; 1039.9; 01-MAY-2010 04:33:11; Dark ; 59.0; 75; 26Eps Sco ; 2.29; 4250;occ; 118; 0;42701
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18; 2617.2; 04-MAY-2010 06:45:49; Bright; 41.0; 180; 27Gam Boo ; 3.04; 8000;occ; 82; 0;42745
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 12; 1286.7; 04-MAY-2010 08:04:15; Dark ; 69.5; 16; 21Alp Sco ; 1.02; 3000;occ; 139; 0;42746
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 3; 2434.2; 04-MAY-2010 08:23:22; Bright; 45.0; 83; ; 2.38; 11000;occ; 90; 0;42746
 4; 2617.0; 04-MAY-2010 08:26:25; Bright; 38.5; 180; 27Gam Boo ; 3.04; 8000;occ; 77; 0;42746
 5; 3182.7; 04-MAY-2010 08:35:51; Bright; 45.5; 119; 14Eta Dra ; 2.73; 4700;occ; 91; 0;42746
 6; 3814.0; 04-MAY-2010 08:46:22; Bright; 43.5; 89; 5Alp Cep ; 2.45; 8000;occ; 87; 0;42746
 7; 4544.7; 04-MAY-2010 08:58:33; Dark ; 49.5; 93; 53Bet Peg ; 2.52; 3100;occ; 99; 0;42746
 8; 4788.9; 04-MAY-2010 09:02:37; Dark ; 47.5; 90; 54Alp Peg ; 2.49; 11000;occ; 95; 0;42746
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8; 3813.0; 04-MAY-2010 15:28:44; Bright; 43.5; 89; 5Alp Cep ; 2.45; 8000;occ; 87; 0;42750
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 7; 901.0; 04-MAY-2010 21:22:36; Dark ; 56.5; 25; 35Lam Sco ; 1.62; 28000;occ; 113; 0;42754
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 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
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 5; 2421.8; 06-MAY-2010 10:41:07; Bright; 44.0; 83; ; 2.38; 11000;occ; 88; 0;42776
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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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 13; 4551.2; 06-MAY-2010 17:59:01; Dark ; 50.5; 93; 53Bet Peg ; 2.52; 3100;occ; 101; 0;42780
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 18; 6269.2; 06-MAY-2010 18:27:39; Dark ; 43.5; 45; Alp Pav ; 1.94; 26000;occ; 87; 0;42781
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27; 6723.5; 07-MAY-2010 02:58:13; Dark ; 44.5; 141; Bet Ara ; 2.84; 4600;occ; 89; 0;42786
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34; 7760.8; 07-MAY-2010 03:15:30; Bright; 43.5; 104; 27Bet Lib ; 2.61; 13100;occ; 87; 0;42786
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36; 8453.8; 07-MAY-2010 03:27:03; Bright; 45.0; 83; ; 2.38; 11000;occ; 90; 0;42786
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5; 4552.4; 07-MAY-2010 04:02:37; Dark ; 50.5; 93; 53Bet Peg ; 2.52; 3100;occ; 101; 0;42786
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22; 8790.4; 07-MAY-2010 05:13:15; Bright; 35.5; 39; 85Eta UMa ; 1.85; 24000;occ; 71; 0;42787
23; 8877.6; 07-MAY-2010 05:14:42; Bright; 37.0; 55; 79Zet UMa ; 2.06; 10200;occ; 74; 0;42787
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4; 244.7; 07-MAY-2010 22:58:01; Dark ; 40.0; 45; Alp Pav ; 1.94; 26000;occ; 80; 0;42798
5; 694.4; 07-MAY-2010 23:05:31; Dark ; 51.5; 141; Bet Ara ; 2.84; 4600;occ; 103; 0;42798
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9; 1259.0; 07-MAY-2010 23:14:55; Dark ; 25.0; 136; 23Tau Sco ; 2.82; 30000;occ; 50; 0;42798
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14; 2222.3; 07-MAY-2010 23:30:58; Bright; 36.5; 111; 8Eta Boo ; 2.68; 6000;occ; 73; 0;42798
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17; 2753.0; 07-MAY-2010 23:39:49; Bright; 37.5; 39; 85Eta UMa ; 1.85; 24000;occ; 75; 0;42798
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5; -445.9; 07-MAY-2010 07:41:07; Dark ; 46.0; 18; 24Alp PsA ; 1.17; 9700;occ; 92; 0;42788
6; -309.3; 07-MAY-2010 07:43:24; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;42788
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9; 689.3; 07-MAY-2010 08:00:02; Dark ; 44.5; 141; Bet Ara ; 2.84; 4600;occ; 89; 0;42789
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14; 1424.9; 07-MAY-2010 08:12:18; Dark ; 58.0; 80; 7Del Sco ; 2.32; 30000;occ; 116; 0;42789
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 4; 2416.9; 07-MAY-2010 08:28:50; Bright; 40.0; 83; ; 2.38; 11000;occ; 80; 0;42789
 5; 2601.4; 07-MAY-2010 08:31:54; Bright; 39.5; 180; 27Gam Boo ; 3.04; 8000;occ; 79; 0;42789
 6; 2754.4; 07-MAY-2010 08:34:27; Bright; 37.5; 39; 85Eta UMa ; 1.85; 24000;occ; 75; 0;42789
 7; 2841.6; 07-MAY-2010 08:35:54; Bright; 36.5; 55; 79Zet UMa ; 2.06; 10200;occ; 73; 0;42789
 8; 3157.8; 07-MAY-2010 08:41:11; Bright; 42.5; 119; 14Eta Dra ; 2.73; 4700;occ; 85; 0;42789
 9; 3799.5; 07-MAY-2010 08:51:52; Bright; 45.0; 89; 5Alp Cep ; 2.45; 8000;occ; 90; 0;42789
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22; 7460.7; 07-MAY-2010 09:52:54; Dark ; 56.5; 80; 7Del Sco ; 2.32; 30000;occ; 113; 0;42790
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 6; 3157.2; 07-MAY-2010 10:21:46; Bright; 43.5; 119; 14Eta Dra ; 2.73; 4700;occ; 87; 0;42790
 7; 3799.0; 07-MAY-2010 10:32:28; Bright; 55.5; 89; 5Alp Cep ; 2.45; 8000;occ; 111; 0;42790
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14; 6276.1; 07-MAY-2010 11:13:45; Dark ; 40.5; 45; Alp Pav ; 1.94; 26000;occ; 81; 0;42791
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16; 6858.3; 07-MAY-2010 11:23:27; Dark ; 52.0; 40; The Sco ; 1.86; 7100;occ; 104; 0;42791
17; 6968.3; 07-MAY-2010 11:25:17; Dark ; 25.0; 25; 35Lam Sco ; 1.62; 28000;occ; 50; 0;42791
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11; 5591.8; 07-MAY-2010 12:42:56; Dark ; 52.0; 18; 24Alp PsA ; 1.17; 9700;occ; 104; 0;42791
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 3; -1477.8; 09-MAY-2010 06:20:41; Dark ; 59.5; 93; 53Bet Peg ; 2.52; 3100;occ; 119; 0;42816
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 8; 257.7; 09-MAY-2010 06:49:37; Dark ; 43.0; 45; Alp Pav ; 1.94; 26000;occ; 86; 0;42817
 9; 705.4; 09-MAY-2010 06:57:04; Dark ; 42.5; 141; Bet Ara ; 2.84; 4600;occ; 85; 0;42817
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 7; 3789.1; 09-MAY-2010 07:48:28; Bright; 44.5; 89; 5Alp Cep ; 2.45; 8000;occ; 89; 0;42817
 8; 3965.0; 09-MAY-2010 07:51:24; Bright; 53.0; 74; 11Bet Cas ; 2.27; 6600;occ; 106; 0;42817
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 19; 7352.6; 09-MAY-2010 08:47:52; Dark ; 62.0; 16; 21Alp Sco ; 1.02; 3000;occ; 124; 0;42818
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19; 7352.7; 09-MAY-2010 10:28:28; Dark ; 62.0; 16; 21Alp Sco ; 1.02; 3000;occ; 124; 0;42819
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16; 6297.2; 09-MAY-2010 15:12:40; Dark ; 43.0; 45; Alp Pav ; 1.94; 26000;occ; 86; 0;42822
17; 6744.1; 09-MAY-2010 15:20:07; Dark ; 44.5; 141; Bet Ara ; 2.84; 4600;occ; 89; 0;42822

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13;	5619.1;	10-MAY-2010	11:08:33;	Dark	;	43.5;	18;	24Alp PsA	;	1.17;	9700;occ;	87;	0;42833
14;	5760.0;	10-MAY-2010	11:10:54;	Dark	;	59.5;	0;		;	0.00;	0;occ;	119;	0;42833
15;	5891.3;	10-MAY-2010	11:13:05;	Dark	;	52.5;	63;	Bet Gru	;	2.15;	2800;occ;	105;	0;42833
16;	5970.0;	10-MAY-2010	11:14:24;	Dark	;	42.0;	31;	Alp Gru	;	1.73;	15200;occ;	84;	0;42833
17;	6305.8;	10-MAY-2010	11:20:00;	Dark	;	41.0;	45;	Alp Pav	;	1.94;	26000;occ;	82;	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
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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	
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 22; 6761.2; 11-MAY-2010 19:18:58; Dark ; 48.5; 141; Bet Ara ; 2.84; 4600;occ; 97; 0;42853
 23; 6904.9; 11-MAY-2010 19:21:21; Dark ; 55.5; 40; The Sco ; 1.86; 7100;occ; 111; 0;42853

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 5; 283.9; 11-MAY-2010 22:32:48; Dark ; 43.0; 45; Alp Pav ; 1.94; 26000;occ; 86; 0;42855
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 9; 1134.6; 11-MAY-2010 22:46:59; Dark ; 54.5; 75; 26Eps Sco ; 2.29; 4250;occ; 109; 0;42855
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 17; 2747.4; 11-MAY-2010 23:13:52; Bright; 34.5; 39; 85Eta UMa ; 1.85; 24000;occ; 69; 0;42855
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 19; 3774.1; 11-MAY-2010 23:30:58; Bright; 45.0; 89; 5Alp Cep ; 2.45; 8000;occ; 90; 0;42855
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 23; 4832.1; 11-MAY-2010 23:48:36; Dark ; 50.5; 90; 54Alp Peg ; 2.49; 11000;occ; 101; 0;42855

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 7; 1725.4; 11-MAY-2010 19:35:38; Bright; 42.0; 104; 27Bet Lib ; 2.61; 13100;occ; 84; 0;42853
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 9; 2396.5; 11-MAY-2010 19:46:49; Bright; 39.5; 83; ; 2.38; 11000;occ; 79; 0;42853
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 13; 3775.3; 11-MAY-2010 20:09:48; Bright; 43.0; 89; 5Alp Cep ; 2.45; 8000;occ; 86; 0;42853
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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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 6; 726.8; 12-MAY-2010 00:20:47; Dark ; 41.0; 141; Bet Ara ; 2.84; 4600;occ; 82; 0;42856
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 8; 982.7; 12-MAY-2010 00:25:03; Dark ; 60.0; 25; 35Lam Sco ; 1.62; 28000;occ; 120; 0;42856
 9; 1135.3; 12-MAY-2010 00:27:35; Dark ; 54.5; 75; 26Eps Sco ; 2.29; 4250;occ; 109; 0;42856
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11; 1441.0; 12-MAY-2010 00:32:41; Dark ; 59.0; 80; 7Del Sco ; 2.32; 30000;occ; 118; 0;42856
12; 1608.2; 12-MAY-2010 00:35:28; Bright; 40.0; 122; 9Alp2Lib ; 2.75; 9700;occ; 80; 0;42856
13; 1725.4; 12-MAY-2010 00:37:26; Bright; 42.0; 104; 27Bet Lib ; 2.61; 13100;occ; 84; 0;42856
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16; 2582.5; 12-MAY-2010 00:51:43; Bright; 38.0; 180; 27Gam Boo ; 3.04; 8000;occ; 76; 0;42856
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18; 3121.5; 12-MAY-2010 01:00:42; Bright; 43.5; 119; 14Eta Dra ; 2.73; 4700;occ; 87; 0;42856
19; 3773.6; 12-MAY-2010 01:11:34; Bright; 45.0; 89; 5Alp Cep ; 2.45; 8000;occ; 90; 0;42856
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22; 4746.9; 12-MAY-2010 01:27:47; Dark ; 40.5; 140; 88Gam Peg ; 2.83; 26000;occ; 81; 0;42856
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 3; -131.4; 12-MAY-2010 01:47:05; Dark ; 47.0; 63; Bet Gru ; 2.15; 2800;occ; 94; 0;42856
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 5; 285.6; 12-MAY-2010 01:54:02; Dark ; 45.5; 45; Alp Pav ; 1.94; 26000;occ; 91; 0;42857
 6; 727.3; 12-MAY-2010 02:01:23; Dark ; 49.0; 141; Bet Ara ; 2.84; 4600;occ; 98; 0;42857
 7; 871.9; 12-MAY-2010 02:03:48; Dark ; 48.5; 40; The Sco ; 1.86; 7100;occ; 97; 0;42857
 8; 983.8; 12-MAY-2010 02:05:40; Dark ; 51.0; 25; 35Lam Sco ; 1.62; 28000;occ; 102; 0;42857
 9; 1135.7; 12-MAY-2010 02:08:12; Dark ; 52.5; 75; 26Eps Sco ; 2.29; 4250;occ; 105; 0;42857
10; 1330.8; 12-MAY-2010 02:11:27; Dark ; 58.5; 16; 21Alp Sco ; 1.02; 3000;occ; 117; 0;42857
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16; 2582.4; 12-MAY-2010 02:32:18; Bright; 40.0; 180; 27Gam Boo ; 3.04; 8000;occ; 80; 0;42857
17; 2747.3; 12-MAY-2010 02:35:03; Bright; 37.0; 39; 85Eta UMa ; 1.85; 24000;occ; 74; 0;42857
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 9; -49.0; 12-MAY-2010 03:29:03; Dark ; 46.0; 31; Alp Gru ; 1.73; 15200;occ; 92; 0;42857
10; 286.0; 12-MAY-2010 03:34:38; Dark ; 41.5; 45; Alp Pav ; 1.94; 26000;occ; 83; 0;42858
11; 727.8; 12-MAY-2010 03:42:00; Dark ; 42.0; 141; Bet Ara ; 2.84; 4600;occ; 84; 0;42858
12; 872.5; 12-MAY-2010 03:44:24; Dark ; 52.5; 40; The Sco ; 1.86; 7100;occ; 105; 0;42858
13; 984.5; 12-MAY-2010 03:46:16; Dark ; 56.5; 25; 35Lam Sco ; 1.62; 28000;occ; 113; 0;42858
14; 1136.3; 12-MAY-2010 03:48:48; Dark ; 50.0; 75; 26Eps Sco ; 2.29; 4250;occ; 100; 0;42858
15; 1331.4; 12-MAY-2010 03:52:03; Dark ; 68.0; 16; 21Alp Sco ; 1.02; 3000;occ; 136; 0;42858
16; 1441.4; 12-MAY-2010 03:53:53; Dark ; 59.0; 80; 7Del Sco ; 2.32; 30000;occ; 118; 0;42858
17; 1608.4; 12-MAY-2010 03:56:40; Bright; 38.0; 122; 9Alp2Lib ; 2.75; 9700;occ; 76; 0;42858
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 6; 2063.0; 12-MAY-2010 17:29:02; Bright; 31.0; 102; 24Alp Ser ; 2.60; 4250;occ; 62; 0;42866
 7; 2236.4; 12-MAY-2010 17:31:56; Bright; 37.0; 3; 16Alp Boo ; -0.05; 4250;occ; 74; 0;42866
 8; 2393.2; 12-MAY-2010 17:34:33; Bright; 43.5; 83; ; 2.38; 11000;occ; 87; 0;42866
 9; 2580.5; 12-MAY-2010 17:37:40; Bright; 56.0; 180; 27Gam Boo ; 3.04; 8000;occ; 112; 0;42866
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11; 3116.7; 12-MAY-2010 17:46:36; Bright; 39.5; 119; 14Eta Dra ; 2.73; 4700;occ; 79; 0;42866
12; 3769.8; 12-MAY-2010 17:57:29; Bright; 42.5; 89; 5Alp Cep ; 2.45; 8000;occ; 85; 0;42866

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 17; 5786.5; 12-MAY-2010 18:31:06; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;42866
 18; 5910.4; 12-MAY-2010 18:33:10; Dark ; 56.0; 63; Bet Gru ; 2.15; 2800;occ; 112; 0;42866
 19; 5993.4; 12-MAY-2010 18:34:33; Dark ; 42.0; 31; Alp Gru ; 1.73; 15200;occ; 84; 0;42866
 20; 6328.4; 12-MAY-2010 18:40:08; Dark ; 41.5; 45; Alp Pav ; 1.94; 26000;occ; 83; 0;42867
 21; 6768.8; 12-MAY-2010 18:47:28; Dark ; 48.5; 141; Bet Ara ; 2.84; 4600;occ; 97; 0;42867
 22; 6915.4; 12-MAY-2010 18:49:55; Dark ; 54.5; 40; The Sco ; 1.86; 7100;occ; 109; 0;42867
 23; 7026.6; 12-MAY-2010 18:51:46; Dark ; 57.0; 25; 35Lam Sco ; 1.62; 28000;occ; 114; 0;42867

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 2; 1141.1; 12-MAY-2010 18:54:17; Dark ; 54.5; 75; 26Eps Sco ; 2.29; 4250;occ; 109; 0;42867
 3; 1334.2; 12-MAY-2010 18:57:30; Dark ; 56.5; 16; 21Alp Sco ; 1.02; 3000;occ; 113; 0;42867
 4; 1443.4; 12-MAY-2010 18:59:19; Dark ; 59.5; 80; 7Del Sco ; 2.32; 30000;occ; 119; 0;42867
 5; 1609.5; 12-MAY-2010 19:02:05; Bright; 40.5; 122; 9Alp2Lib ; 2.75; 9700;occ; 81; 0;42867
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 8; 2236.4; 12-MAY-2010 19:12:32; Bright; 37.0; 3; 16Alp Boo ; -0.05; 4250;occ; 74; 0;42867
 9; 2393.0; 12-MAY-2010 19:15:08; Bright; 39.0; 83; ; 2.38; 11000;occ; 78; 0;42867
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 11; 2746.6; 12-MAY-2010 19:21:02; Bright; 38.5; 39; 85Eta UMa ; 1.85; 24000;occ; 77; 0;42867
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 13; 3769.4; 12-MAY-2010 19:38:05; Bright; 44.0; 89; 5Alp Cep ; 2.45; 8000;occ; 88; 0;42867
 14; 3964.0; 12-MAY-2010 19:41:19; Bright; 54.0; 74; 11Bet Cas ; 2.27; 6600;occ; 108; 0;42867
 15; 4568.7; 12-MAY-2010 19:51:24; Dark ; 55.0; 93; 53Bet Peg ; 2.52; 3100;occ; 110; 0;42867
 16; 4750.1; 12-MAY-2010 19:54:26; Dark ; 42.5; 140; 88Gam Peg ; 2.83; 26000;occ; 85; 0;42867
 17; 4837.9; 12-MAY-2010 19:55:53; Dark ; 52.0; 90; 54Alp Peg ; 2.49; 11000;occ; 104; 0;42867
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 19; 5787.2; 12-MAY-2010 20:11:43; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;42867
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 21; 5993.8; 12-MAY-2010 20:15:09; Dark ; 40.5; 31; Alp Gru ; 1.73; 15200;occ; 81; 0;42867
 22; 6329.2; 12-MAY-2010 20:20:45; Dark ; 41.0; 45; Alp Pav ; 1.94; 26000;occ; 82; 0;42868
 23; 6769.2; 12-MAY-2010 20:28:05; Dark ; 49.0; 141; Bet Ara ; 2.84; 4600;occ; 98; 0;42868
 24; 6915.6; 12-MAY-2010 20:30:31; Dark ; 54.0; 40; The Sco ; 1.86; 7100;occ; 108; 0;42868
 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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 3; 1334.8; 12-MAY-2010 20:38:06; Dark ; 58.0; 16; 21Alp Sco ; 1.02; 3000;occ; 116; 0;42868
 4; 1443.7; 12-MAY-2010 20:39:55; Dark ; 54.0; 80; 7Del Sco ; 2.32; 30000;occ; 108; 0;42868
 5; 1609.5; 12-MAY-2010 20:42:41; Bright; 39.0; 122; 9Alp2Lib ; 2.75; 9700;occ; 78; 0;42868
 6; 1725.7; 12-MAY-2010 20:44:37; Bright; 40.5; 104; 27Bet Lib ; 2.61; 13100;occ; 81; 0;42868
 7; 2062.0; 12-MAY-2010 20:50:13; Bright; 38.0; 102; 24Alp Ser ; 2.60; 4250;occ; 76; 0;42868
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 9; 2392.6; 12-MAY-2010 20:55:44; Bright; 39.5; 83; ; 2.38; 11000;occ; 79; 0;42868
 10; 2579.8; 12-MAY-2010 20:58:51; Bright; 38.5; 180; 27Gam Boo ; 3.04; 8000;occ; 77; 0;42868
 11; 2746.7; 12-MAY-2010 21:01:38; Bright; 37.5; 39; 85Eta UMa ; 1.85; 24000;occ; 75; 0;42868
 12; 3115.4; 12-MAY-2010 21:07:47; Bright; 43.0; 119; 14Eta Dra ; 2.73; 4700;occ; 86; 0;42868
 13; 3769.1; 12-MAY-2010 21:18:41; Bright; 44.0; 89; 5Alp Cep ; 2.45; 8000;occ; 88; 0;42868
 14; 3963.7; 12-MAY-2010 21:21:55; Bright; 54.0; 74; 11Bet Cas ; 2.27; 6600;occ; 108; 0;42868
 15; 4568.9; 12-MAY-2010 21:32:00; Dark ; 58.5; 93; 53Bet Peg ; 2.52; 3100;occ; 117; 0;42868
 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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 5; 294.2; 12-MAY-2010 22:01:22; Dark ; 40.5; 45; Alp Pav ; 1.94; 26000;occ; 81; 0;42869
 6; 733.8; 12-MAY-2010 22:08:41; Dark ; 49.5; 141; Bet Ara ; 2.84; 4600;occ; 99; 0;42869
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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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15; 2236.3; 12-MAY-2010 22:33:44; Bright; 37.0; 3; 16Alp Boo ;-0.05; 4250;occ; 74; 0;42869
16; 2392.5; 12-MAY-2010 22:36:20; Bright; 41.5; 83; ; 2.38; 11000;occ; 83; 0;42869
17; 2579.7; 12-MAY-2010 22:39:27; Bright; 38.0; 180; 27Gam Boo ; 3.04; 8000;occ; 76; 0;42869
18; 2747.0; 12-MAY-2010 22:42:14; Bright; 35.0; 39; 85Eta UMa ; 1.85; 24000;occ; 70; 0;42869
19; 3114.8; 12-MAY-2010 22:48:22; Bright; 44.5; 119; 14Eta Dra ; 2.73; 4700;occ; 89; 0;42869
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21; 3964.0; 12-MAY-2010 23:02:31; Bright; 54.0; 74; 11Bet Cas ; 2.27; 6600;occ; 108; 0;42869
22; 4568.9; 12-MAY-2010 23:12:36; Dark ; 66.0; 93; 53Bet Peg ; 2.52; 3100;occ; 132; 0;42869
23; 4750.6; 12-MAY-2010 23:15:38; Dark ; 42.0; 140; 88Gam Peg ; 2.83; 26000;occ; 84; 0;42869
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3; -124.0; 12-MAY-2010 23:34:59; Dark ; 46.5; 63; Bet Gru ; 2.15; 2800;occ; 93; 0;42869
4; -40.5; 12-MAY-2010 23:36:23; Dark ; 41.5; 31; Alp Gru ; 1.73; 15200;occ; 83; 0;42869
5; 294.9; 12-MAY-2010 23:41:58; Dark ; 41.0; 45; Alp Pav ; 1.94; 26000;occ; 82; 0;42870
6; 734.5; 12-MAY-2010 23:49:18; Dark ; 40.0; 141; Bet Ara ; 2.84; 4600;occ; 80; 0;42870
7; 881.3; 12-MAY-2010 23:51:44; Dark ; 53.0; 40; The Sco ; 1.86; 7100;occ; 106; 0;42870
8; 992.9; 12-MAY-2010 23:53:36; Dark ; 57.5; 25; 35Lam Sco ; 1.62; 28000;occ; 115; 0;42870
9; 1142.2; 12-MAY-2010 23:56:05; Dark ; 53.0; 75; 26Eps Sco ; 2.29; 4250;occ; 106; 0;42870
10; 1335.2; 12-MAY-2010 23:59:18; Dark ; 63.0; 16; 21Alp Sco ; 1.02; 3000;occ; 126; 0;42870
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12; 1609.8; 13-MAY-2010 00:03:53; Bright; 40.0; 122; 9Alp2Lib ; 2.75; 9700;occ; 80; 0;42870
13; 1725.5; 13-MAY-2010 00:05:49; Bright; 40.5; 104; 27Bet Lib ; 2.61; 13100;occ; 81; 0;42870
14; 2061.4; 13-MAY-2010 00:11:25; Bright; 46.0; 102; 24Alp Ser ; 2.60; 4250;occ; 92; 0;42870
15; 2235.9; 13-MAY-2010 00:14:19; Bright; 39.5; 3; 16Alp Boo ;-0.05; 4250;occ; 79; 0;42870
16; 2392.3; 13-MAY-2010 00:16:55; Bright; 39.5; 83; ; 2.38; 11000;occ; 79; 0;42870
17; 2579.7; 13-MAY-2010 00:20:03; Bright; 39.0; 180; 27Gam Boo ; 3.04; 8000;occ; 78; 0;42870
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19; 3114.2; 13-MAY-2010 00:28:57; Bright; 44.0; 119; 14Eta Dra ; 2.73; 4700;occ; 88; 0;42870
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22; 4569.3; 13-MAY-2010 00:53:13; Dark ; 59.0; 93; 53Bet Peg ; 2.52; 3100;occ; 118; 0;42870
23; 4750.7; 13-MAY-2010 00:56:14; Dark ; 41.5; 140; 88Gam Peg ; 2.83; 26000;occ; 83; 0;42870
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4; 295.2; 13-MAY-2010 01:22:34; Dark ; 41.5; 45; Alp Pav ; 1.94; 26000;occ; 83; 0;42871
5; 734.8; 13-MAY-2010 01:29:54; Dark ; 51.5; 141; Bet Ara ; 2.84; 4600;occ; 103; 0;42871
6; 881.8; 13-MAY-2010 01:32:21; Dark ; 52.5; 40; The Sco ; 1.86; 7100;occ; 105; 0;42871
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8; 1142.9; 13-MAY-2010 01:36:42; Dark ; 54.0; 75; 26Eps Sco ; 2.29; 4250;occ; 108; 0;42871
9; 1335.8; 13-MAY-2010 01:39:55; Dark ; 58.5; 16; 21Alp Sco ; 1.02; 3000;occ; 117; 0;42871
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11; 1609.8; 13-MAY-2010 01:44:29; Bright; 39.5; 122; 9Alp2Lib ; 2.75; 9700;occ; 79; 0;42871
12; 1725.4; 13-MAY-2010 01:46:24; Bright; 42.0; 104; 27Bet Lib ; 2.61; 13100;occ; 84; 0;42871
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16; 2579.3; 13-MAY-2010 02:00:38; Bright; 37.5; 180; 27Gam Boo ; 3.04; 8000;occ; 75; 0;42871
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22; 4751.2; 13-MAY-2010 02:36:50; Dark ; 42.5; 140; 88Gam Peg ; 2.83; 26000;occ; 85; 0;42871
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24; 5645.7; 13-MAY-2010 02:51:45; Dark ; 47.0; 18; 24Alp PsA ; 1.17; 9700;occ; 94; 0;42871
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26; 5913.2; 13-MAY-2010 02:56:12; Dark ; 49.0; 63; Bet Gru ; 2.15; 2800;occ; 98; 0;42871
27; 5996.8; 13-MAY-2010 02:57:36; Dark ; 41.5; 31; Alp Gru ; 1.73; 15200;occ; 83; 0;42871
28; 6332.0; 13-MAY-2010 03:03:11; Dark ; 42.0; 45; Alp Pav ; 1.94; 26000;occ; 84; 0;42872
29; 6771.6; 13-MAY-2010 03:10:31; Dark ; 46.5; 141; Bet Ara ; 2.84; 4600;occ; 93; 0;42872
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 32; 7179.1; 13-MAY-2010 03:17:18; Dark ; 51.0; 75; 26Eps Sco ; 2.29; 4250;occ; 102; 0;42872
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8; 316.8; 15-MAY-2010 05:21:30; Dark ; 42.0; 45; Alp Pav ; 1.94; 26000;occ; 84; 0;42902
9; 751.2; 15-MAY-2010 05:28:44; Dark ; 45.0; 141; Bet Ara ; 2.84; 4600;occ; 90; 0;42902
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18; 2384.9; 15-MAY-2010 05:55:58; Bright; 42.5; 83; ; 2.38; 11000;occ; 85; 0;42902
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9; 3752.0; 15-MAY-2010 16:22:20; Bright; 65.0; 89; 5Alp Cep ; 2.45; 8000;occ; 130; 0;42908
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13; 4858.1; 15-MAY-2010 16:40:46; Dark ; 54.0; 90; 54Alp Peg ; 2.49; 11000;occ; 108; 0;42908
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17; 6358.0; 15-MAY-2010 17:05:46; Dark ; 40.5; 45; Alp Pav ; 1.94; 26000;occ; 81; 0;42909
18; 6790.8; 15-MAY-2010 17:12:59; Dark ; 48.5; 141; Bet Ara ; 2.84; 4600;occ; 97; 0;42909
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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
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13; 4762.0; 15-MAY-2010 18:19:46; Dark ; 42.0; 140; 88Gam Peg ; 2.83; 26000;occ; 84; 0;42909
14; 4858.5; 15-MAY-2010 18:21:23; Dark ; 54.0; 90; 54Alp Peg ; 2.49; 11000;occ; 108; 0;42909
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16; 5823.0; 15-MAY-2010 18:37:27; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;42909
17; 6024.7; 15-MAY-2010 18:40:49; Dark ; 42.5; 31; Alp Gru ; 1.73; 15200;occ; 85; 0;42909
18; 6358.8; 15-MAY-2010 18:46:23; Dark ; 41.5; 45; Alp Pav ; 1.94; 26000;occ; 83; 0;42910
19; 6791.4; 15-MAY-2010 18:53:36; Dark ; 44.0; 141; Bet Ara ; 2.84; 4600;occ; 88; 0;42910
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3; 1161.8; 15-MAY-2010 19:00:22; Dark ; 52.0; 75; 26Eps Sco ; 2.29; 4250;occ; 104; 0;42910
4; 1348.6; 15-MAY-2010 19:03:29; Dark ; 61.0; 16; 21Alp Sco ; 1.02; 3000;occ; 122; 0;42910
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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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18; 5823.8; 15-MAY-2010 20:18:04; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;42910
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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
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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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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
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10; 1506.3; 15-MAY-2010 22:27:19; Bright; 45.5; 97; 8Bet1Sco ; 2.56; 30000;occ; 91; 0;42912
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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
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16; 3093.7; 15-MAY-2010 22:53:46; Bright; 61.0; 119; 14Eta Dra ; 2.73; 4700;occ; 122; 0;42912
17; 3750.1; 15-MAY-2010 23:04:42; Bright; 44.0; 89; 5Alp Cep ; 2.45; 8000;occ; 88; 0;42912
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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
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9; 1349.3; 16-MAY-2010 00:05:17; Dark ; 63.0; 16; 21Alp Sco ; 1.02; 3000;occ; 126; 0;42913
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 13; 2047.9; 16-MAY-2010 00:16:56; Bright; 44.5; 102; 24Alp Ser ; 2.60; 4250;occ; 89; 0;42913
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 15; 2570.9; 16-MAY-2010 00:25:39; Bright; 38.0; 180; 27Gam Boo ; 3.04; 8000;occ; 76; 0;42913
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 17; 3749.7; 16-MAY-2010 00:45:18; Bright; 46.0; 89; 5Alp Cep ; 2.45; 8000;occ; 92; 0;42913
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 5; 757.2; 16-MAY-2010 01:36:01; Dark ; 46.0; 141; Bet Ara ; 2.84; 4600;occ; 92; 0;42914
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9; 378.2; 21-MAY-2010 07:14:37; Dark ; 42.5; 45; Alp Pav ; 1.94; 26000;occ; 85; 0;42989
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6; 3175.1; 21-MAY-2010 08:01:14; Bright; 37.5; 60; 7Bet UMi ; 2.08; 3950;occ; 75; 0;42989
7; 3937.4; 21-MAY-2010 08:13:56; Bright; 53.0; 76; 27Gam Cas ; 2.30; 30000;occ; 106; 0;42989
8; 4010.2; 21-MAY-2010 08:15:09; Bright; 36.5; 68; 18Alp Cas ; 2.22; 4500;occ; 73; 0;42989
9; 4526.9; 21-MAY-2010 08:23:45; Dark ; 47.5; 58; 21Alp And ; 2.07; 11000;occ; 95; 0;42989
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 16; 6830.3; 21-MAY-2010 09:02:09; Dark ; 48.5; 141; Bet Ara ; 2.84; 4600;occ; 97; 0;42990
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 3; 2030.3; 21-MAY-2010 09:22:45; Bright; 41.0; 102; 24Alp Ser ; 2.60; 4250;occ; 82; 0;42990
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 9; 4010.0; 21-MAY-2010 09:55:44; Bright; 54.0; 68; 18Alp Cas ; 2.22; 4500;occ; 108; 0;42990
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 11; 4787.3; 21-MAY-2010 10:08:42; Dark ; 45.5; 140; 88Gam Peg ; 2.83; 26000;occ; 91; 0;42990
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 16; 6415.8; 21-MAY-2010 10:35:50; Dark ; 45.0; 45; Alp Pav ; 1.94; 26000;occ; 90; 0;42991
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 21; 7408.3; 21-MAY-2010 10:52:23; Dark ; 54.0; 16; 21Alp Sco ; 1.02; 3000;occ; 108; 0;42991
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 4; 2372.4; 21-MAY-2010 11:09:03; Bright; 37.0; 83; ; 2.38; 11000;occ; 74; 0;42991
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 6; 3058.7; 21-MAY-2010 11:20:29; Bright; 41.0; 119; 14Eta Dra ; 2.73; 4700;occ; 82; 0;42991
 7; 3175.0; 21-MAY-2010 11:22:25; Bright; 39.0; 60; 7Bet UMi ; 2.08; 3950;occ; 78; 0;42991
 8; 3937.4; 21-MAY-2010 11:35:08; Bright; 35.5; 76; 27Gam Cas ; 2.30; 30000;occ; 71; 0;42991
 9; 4010.0; 21-MAY-2010 11:36:20; Bright; 35.5; 68; 18Alp Cas ; 2.22; 4500;occ; 71; 0;42991
 10; 4526.9; 21-MAY-2010 11:44:57; Dark ; 46.5; 58; 21Alp And ; 2.07; 11000;occ; 93; 0;42991
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 12; 5745.9; 21-MAY-2010 12:05:16; Dark ; 54.0; 18; 24Alp PsA ; 1.17; 9700;occ; 108; 0;42991
 13; 5899.7; 21-MAY-2010 12:07:50; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;42991
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 15; 6089.6; 21-MAY-2010 12:11:00; Dark ; 44.5; 31; Alp Gru ; 1.73; 15200;occ; 89; 0;42992
 16; 6416.3; 21-MAY-2010 12:16:27; Dark ; 43.0; 45; Alp Pav ; 1.94; 26000;occ; 86; 0;42992
 17; 6831.1; 21-MAY-2010 12:23:21; Dark ; 43.5; 141; Bet Ara ; 2.84; 4600;occ; 87; 0;42992
 18; 6994.6; 21-MAY-2010 12:26:05; Dark ; 47.0; 40; The Sco ; 1.86; 7100;occ; 94; 0;42992
 19; 7105.4; 21-MAY-2010 12:27:56; Dark ; 51.5; 25; 35Lam Sco ; 1.62; 28000;occ; 103; 0;42992
 20; 7233.2; 21-MAY-2010 12:30:04; Dark ; 48.0; 75; 26Eps Sco ; 2.29; 4250;occ; 96; 0;42992
 21; 7408.7; 21-MAY-2010 12:32:59; Dark ; 51.5; 16; 21Alp Sco ; 1.02; 3000;occ; 103; 0;42992
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 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
 10; 4788.2; 21-MAY-2010 13:29:54; Dark ; 46.0; 140; 88Gam Peg ; 2.83; 26000;occ; 92; 0;42992

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17; 6994.9; 21-MAY-2010 14:06:41; Dark ; 49.0; 40; The Sco ; 1.86; 7100;occ; 98; 0;42993
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 4; 1377.8; 22-MAY-2010 20:24:27; Dark ; 52.0; 16; 21Alp Sco ; 1.02; 3000;occ; 104; 0;43011
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 6; 1733.4; 22-MAY-2010 20:30:22; Bright; 38.0; 104; 27Bet Lib ; 2.61; 13100;occ; 76; 0;43011
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 9; 2370.8; 22-MAY-2010 20:41:00; Bright; 36.5; 83; ; 2.38; 11000;occ; 73; 0;43011
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 11; 3050.8; 22-MAY-2010 20:52:20; Bright; 42.5; 119; 14Eta Dra ; 2.73; 4700;occ; 85; 0;43011
 12; 3173.5; 22-MAY-2010 20:54:22; Bright; 38.5; 60; 7Bet UMi ; 2.08; 3950;occ; 77; 0;43011
 13; 3936.8; 22-MAY-2010 21:07:06; Bright; 34.5; 76; 27Gam Cas ; 2.30; 30000;occ; 69; 0;43011
 14; 4009.5; 22-MAY-2010 21:08:18; Bright; 36.5; 68; 18Alp Cas ; 2.22; 4500;occ; 73; 0;43011
 15; 4530.4; 22-MAY-2010 21:16:59; Dark ; 47.0; 58; 21Alp And ; 2.07; 11000;occ; 94; 0;43011
 16; 4794.9; 22-MAY-2010 21:21:24; Dark ; 44.0; 140; 88Gam Peg ; 2.83; 26000;occ; 88; 0;43011

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

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

13; 5911.9; 22-MAY-2010 08:15:13; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;43003
 14; 6001.3; 22-MAY-2010 08:16:43; Dark ; 56.5; 63; Bet Gru ; 2.15; 2800;occ; 113; 0;43003
 15; 6099.5; 22-MAY-2010 08:18:21; Dark ; 44.5; 31; Alp Gru ; 1.73; 15200;occ; 89; 0;43004
 16; 6425.3; 22-MAY-2010 08:23:47; Dark ; 43.0; 45; Alp Pav ; 1.94; 26000;occ; 86; 0;43004
 17; 6836.9; 22-MAY-2010 08:30:38; Dark ; 45.5; 141; Bet Ara ; 2.84; 4600;occ; 91; 0;43004
 18; 7001.3; 22-MAY-2010 08:33:23; Dark ; 49.0; 40; The Sco ; 1.86; 7100;occ; 98; 0;43004
 19; 7112.4; 22-MAY-2010 08:35:14; Dark ; 49.0; 25; 35Lam Sco ; 1.62; 28000;occ; 98; 0;43004
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 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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 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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 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
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 10; 4529.8; 22-MAY-2010 12:53:59; Dark ; 48.5; 58; 21Alp And ; 2.07; 11000;occ; 97; 0;43006

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13; 5914.8; 22-MAY-2010 13:17:04; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;43006
14; 6003.3; 22-MAY-2010 13:18:32; Dark ; 48.5; 63; Bet Gru ; 2.15; 2800;occ; 97; 0;43006
15; 6088.2; 22-MAY-2010 13:19:57; Dark ; 49.0; 172; Gam Gru ; 3.00; 13100;occ; 98; 0;43007
16; 6426.9; 22-MAY-2010 13:25:36; Dark ; 41.5; 45; Alp Pav ; 1.94; 26000;occ; 83; 0;43007
17; 6838.3; 22-MAY-2010 13:32:27; Dark ; 43.5; 141; Bet Ara ; 2.84; 4600;occ; 87; 0;43007
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 3; 1842.1; 22-MAY-2010 13:49:47; Bright; 44.5; 120; 1Del Oph ; 2.73; 3200;occ; 89; 0;43007
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 5; 2371.2; 22-MAY-2010 13:58:36; Bright; 40.0; 83; ; 2.38; 11000;occ; 80; 0;43007
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10; 4009.5; 22-MAY-2010 14:25:55; Bright; 52.0; 68; 18Alp Cas ; 2.22; 4500;occ; 104; 0;43007
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12; 4793.8; 22-MAY-2010 14:38:59; Dark ; 46.5; 140; 88Gam Peg ; 2.83; 26000;occ; 93; 0;43007
13; 5761.5; 22-MAY-2010 14:55:07; Dark ; 50.0; 18; 24Alp PsA ; 1.17; 9700;occ; 100; 0;43007
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 6; 3171.3; 24-MAY-2010 11:28:06; Bright; 37.0; 60; 7Bet UMi ; 2.08; 3950;occ; 74; 0;43034
 7; 3936.2; 24-MAY-2010 11:40:51; Bright; 54.0; 76; 27Gam Cas ; 2.30; 30000;occ; 108; 0;43034
 8; 4008.3; 24-MAY-2010 11:42:03; Bright; 55.0; 68; 18Alp Cas ; 2.22; 4500;occ; 110; 0;43034
 9; 4382.1; 24-MAY-2010 11:48:17; Bright; 38.0; 53; 43Bet And ; 2.05; 3300;occ; 76; 0;43034
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 11; 4803.4; 24-MAY-2010 11:55:18; Dark ; 45.5; 140; 88Gam Peg ; 2.83; 26000;occ; 91; 0;43034
 12; 5333.2; 24-MAY-2010 12:04:08; Dark ; 45.0; 52; 16Bet Cet ; 2.04; 4500;occ; 90; 0;43034
 13; 5871.3; 24-MAY-2010 12:13:06; Dark ; 54.5; 0; ; 0.00; 0;occ; 109; 0;43034
 14; 6023.8; 24-MAY-2010 12:15:39; Dark ; 51.5; 63; Bet Gru ; 2.15; 2800;occ; 103; 0;43034
 15; 6125.8; 24-MAY-2010 12:17:21; Dark ; 44.0; 31; Alp Gru ; 1.73; 15200;occ; 88; 0;43035
 16; 6447.0; 24-MAY-2010 12:22:42; Dark ; 41.5; 45; Alp Pav ; 1.94; 26000;occ; 83; 0;43035
 17; 6850.8; 24-MAY-2010 12:29:26; Dark ; 48.0; 141; Bet Ara ; 2.84; 4600;occ; 96; 0;43035
 18; 7018.2; 24-MAY-2010 12:32:13; Dark ; 49.0; 40; The Sco ; 1.86; 7100;occ; 98; 0;43035
 19; 7128.7; 24-MAY-2010 12:34:04; Dark ; 48.5; 25; 35Lam Sco ; 1.62; 28000;occ; 97; 0;43035
 20; 7249.3; 24-MAY-2010 12:36:04; Dark ; 49.0; 75; 26Eps Sco ; 2.29; 4250;occ; 98; 0;43035
 21; 7419.9; 24-MAY-2010 12:38:55; Dark ; 60.0; 16; 21Alp Sco ; 1.02; 3000;occ; 120; 0;43035
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 13; 6024.8; 24-MAY-2010 13:56:16; Dark ; 49.0; 63; Bet Gru ; 2.15; 2800;occ; 98; 0;43035
 14; 6126.7; 24-MAY-2010 13:57:58; Dark ; 45.5; 31; Alp Gru ; 1.73; 15200;occ; 91; 0;43036
 15; 6447.5; 24-MAY-2010 14:03:18; Dark ; 46.5; 45; Alp Pav ; 1.94; 26000;occ; 93; 0;43036
 16; 6851.0; 24-MAY-2010 14:10:02; Dark ; 44.0; 141; Bet Ara ; 2.84; 4600;occ; 88; 0;43036
 17; 7018.8; 24-MAY-2010 14:12:50; Dark ; 50.0; 40; The Sco ; 1.86; 7100;occ; 100; 0;43036
 18; 7129.0; 24-MAY-2010 14:14:40; Dark ; 51.0; 25; 35Lam Sco ; 1.62; 28000;occ; 102; 0;43036
 19; 7249.8; 24-MAY-2010 14:16:41; Dark ; 50.0; 75; 26Eps Sco ; 2.29; 4250;occ; 100; 0;43036
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 3; 1839.4; 24-MAY-2010 14:27:06; Bright; 43.5; 120; 1Del Oph ; 2.73; 3200;occ; 87; 0;43036
 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
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 10; 4382.1; 24-MAY-2010 15:09:29; Bright; 38.5; 53; 43Bet And ; 2.05; 3300;occ; 77; 0;43036
 11; 4535.0; 24-MAY-2010 15:12:02; Dark ; 46.5; 58; 21Alp And ; 2.07; 11000;occ; 93; 0;43036
 12; 4804.7; 24-MAY-2010 15:16:32; Dark ; 45.5; 140; 88Gam Peg ; 2.83; 26000;occ; 91; 0;43036
 13; 5334.2; 24-MAY-2010 15:25:21; Dark ; 49.5; 52; 16Bet Cet ; 2.04; 4500;occ; 99; 0;43036
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 17; 6448.4; 24-MAY-2010 15:43:55; Dark ; 43.5; 45; Alp Pav ; 1.94; 26000;occ; 87; 0;43037
 18; 6851.5; 24-MAY-2010 15:50:38; Dark ; 43.0; 141; Bet Ara ; 2.84; 4600;occ; 86; 0;43037
 19; 7019.5; 24-MAY-2010 15:53:26; Dark ; 48.5; 40; The Sco ; 1.86; 7100;occ; 97; 0;43037
 20; 7129.7; 24-MAY-2010 15:55:17; Dark ; 48.0; 25; 35Lam Sco ; 1.62; 28000;occ; 96; 0;43037
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 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
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 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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 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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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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 6; 1735.6; 24-MAY-2010 19:27:10; Bright; 38.0; 104; 27Bet Lib ; 2.61; 13100;occ; 76; 0;43039
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 9; 2369.6; 24-MAY-2010 19:37:44; Bright; 35.5; 83; ; 2.38; 11000;occ; 71; 0;43039
10; 3039.7; 24-MAY-2010 19:48:55; Bright; 40.5; 119; 14Eta Dra ; 2.73; 4700;occ; 81; 0;43039
11; 3171.2; 24-MAY-2010 19:51:06; Bright; 37.5; 60; 7Bet UMi ; 2.08; 3950;occ; 75; 0;43039
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
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21; 6450.5; 24-MAY-2010 20:45:45; Dark ; 42.5; 45; Alp Pav ; 1.94; 26000;occ; 85; 0;43040
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 5; 416.4; 25-MAY-2010 01:47:35; Dark ; 42.0; 45; Alp Pav ; 1.94; 26000;occ; 84; 0;43043
 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
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 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
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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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 6; 1218.3; 25-MAY-2010 10:23:56; Dark ; 47.5; 75; 26Eps Sco ; 2.29; 4250;occ; 95; 0;43048
 7; 1387.0; 25-MAY-2010 10:26:45; Dark ; 57.0; 16; 21Alp Sco ; 1.02; 3000;occ; 114; 0;43048

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5; 2368.8; 25-MAY-2010 14:04:19; Bright; 37.0; 83; ; 2.38; 11000;occ; 74; 0;43050
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9; 2020.5; 25-MAY-2010 20:40:54; Bright; 39.5; 102; 24Alp Ser ; 2.60; 4250;occ; 79; 0;43054
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12; 3170.1; 25-MAY-2010 21:00:04; Bright; 38.0; 60; 7Bet UMi ; 2.08; 3950;occ; 76; 0;43054
13; 3935.7; 25-MAY-2010 21:12:49; Bright; 54.0; 76; 27Gam Cas ; 2.30; 30000;occ; 108; 0;43054
14; 4006.8; 25-MAY-2010 21:14:00; Bright; 39.0; 68; 18Alp Cas ; 2.22; 4500;occ; 78; 0;43054
15; 4384.2; 25-MAY-2010 21:20:18; Bright; 39.5; 53; 43Bet And ; 2.05; 3300;occ; 79; 0;43054
16; 4538.4; 25-MAY-2010 21:22:52; Dark ; 49.0; 58; 21Alp And ; 2.07; 11000;occ; 98; 0;43054
17; 4811.4; 25-MAY-2010 21:27:25; Dark ; 45.5; 140; 88Gam Peg ; 2.83; 26000;occ; 91; 0;43054

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3; 1529.3; 25-MAY-2010 17:11:31; Bright; 41.0; 97; 8Bet1Sco ; 2.56; 30000;occ; 82; 0;43052
4; 1736.8; 25-MAY-2010 17:14:59; Bright; 38.0; 104; 27Bet Lib ; 2.61; 13100;occ; 76; 0;43052
5; 1838.1; 25-MAY-2010 17:16:40; Bright; 43.0; 120; 1Del Oph ; 2.73; 3200;occ; 86; 0;43052
6; 2021.4; 25-MAY-2010 17:19:43; Bright; 39.0; 102; 24Alp Ser ; 2.60; 4250;occ; 78; 0;43052
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8; 3035.4; 25-MAY-2010 17:36:37; Bright; 40.0; 119; 14Eta Dra ; 2.73; 4700;occ; 80; 0;43052
9; 3170.3; 25-MAY-2010 17:38:52; Bright; 34.5; 60; 7Bet UMi ; 2.08; 3950;occ; 69; 0;43052
10; 3935.4; 25-MAY-2010 17:51:37; Bright; 54.0; 76; 27Gam Cas ; 2.30; 30000;occ; 108; 0;43052
11; 4007.4; 25-MAY-2010 17:52:49; Bright; 39.0; 68; 18Alp Cas ; 2.22; 4500;occ; 78; 0;43052
12; 4384.2; 25-MAY-2010 17:59:06; Bright; 39.5; 53; 43Bet And ; 2.05; 3300;occ; 79; 0;43052
13; 4537.9; 25-MAY-2010 18:01:40; Dark ; 48.0; 58; 21Alp And ; 2.07; 11000;occ; 96; 0;43052
14; 4810.8; 25-MAY-2010 18:06:13; Dark ; 47.0; 140; 88Gam Peg ; 2.83; 26000;occ; 94; 0;43052
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16; 5868.0; 25-MAY-2010 18:23:50; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;43052
17; 6038.0; 25-MAY-2010 18:26:40; Dark ; 46.5; 63; Bet Gru ; 2.15; 2800;occ; 93; 0;43052
18; 6141.8; 25-MAY-2010 18:28:24; Dark ; 44.0; 31; Alp Gru ; 1.73; 15200;occ; 88; 0;43053
19; 6459.8; 25-MAY-2010 18:33:42; Dark ; 42.0; 45; Alp Pav ; 1.94; 26000;occ; 84; 0;43053
20; 6858.6; 25-MAY-2010 18:40:20; Dark ; 45.5; 141; Bet Ara ; 2.84; 4600;occ; 91; 0;43053

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

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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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11; 3170.1; 25-MAY-2010 19:19:28; Bright; 40.0; 60; 7Bet UMi ; 2.08; 3950;occ; 80; 0;43053
12; 3935.5; 25-MAY-2010 19:32:13; Bright; 54.0; 76; 27Gam Cas ; 2.30; 30000;occ; 108; 0;43053
13; 4007.0; 25-MAY-2010 19:33:25; Bright; 36.0; 68; 18Alp Cas ; 2.22; 4500;occ; 72; 0;43053
14; 4384.7; 25-MAY-2010 19:39:42; Bright; 39.0; 53; 43Bet And ; 2.05; 3300;occ; 78; 0;43053
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21; 6460.1; 25-MAY-2010 20:14:18; Dark ; 42.5; 45; Alp Pav ; 1.94; 26000;occ; 85; 0;43054
22; 6859.0; 25-MAY-2010 20:20:57; Dark ; 46.5; 141; Bet Ara ; 2.84; 4600;occ; 93; 0;43054

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3; 4.9; 26-MAY-2010 01:09:06; Dark ; 43.5; 63; Bet Gru ; 2.15; 2800;occ; 87; 0;43056
4; 109.2; 26-MAY-2010 01:10:50; Dark ; 43.0; 31; Alp Gru ; 1.73; 15200;occ; 86; 0;43057
5; 426.4; 26-MAY-2010 01:16:08; Dark ; 41.5; 45; Alp Pav ; 1.94; 26000;occ; 83; 0;43057
6; 824.2; 26-MAY-2010 01:22:46; Dark ; 44.5; 141; Bet Ara ; 2.84; 4600;occ; 89; 0;43057
7; 993.8; 26-MAY-2010 01:25:35; Dark ; 48.5; 40; The Sco ; 1.86; 7100;occ; 97; 0;43057
8; 1103.7; 26-MAY-2010 01:27:25; Dark ; 49.0; 25; 35Lam Sco ; 1.62; 28000;occ; 98; 0;43057
9; 1221.6; 26-MAY-2010 01:29:23; Dark ; 49.5; 75; 26Eps Sco ; 2.29; 4250;occ; 99; 0;43057
10; 1349.8; 26-MAY-2010 01:31:31; Dark ; 44.5; 136; 23Tau Sco ; 2.82; 30000;occ; 89; 0;43057
11; 1530.1; 26-MAY-2010 01:34:31; Bright; 39.5; 97; 8Bet1Sco ; 2.56; 30000;occ; 79; 0;43057
12; 1737.4; 26-MAY-2010 01:37:59; Bright; 37.0; 104; 27Bet Lib ; 2.61; 13100;occ; 74; 0;43057
13; 1837.4; 26-MAY-2010 01:39:39; Bright; 43.0; 120; 1Del Oph ; 2.73; 3200;occ; 86; 0;43057
14; 2020.5; 26-MAY-2010 01:42:42; Bright; 39.0; 102; 24Alp Ser ; 2.60; 4250;occ; 78; 0;43057
15; 2384.3; 26-MAY-2010 01:48:46; Bright; 39.0; 67; 5Alp CrB ; 2.22; 11000;occ; 78; 0;43057
16; 3033.3; 26-MAY-2010 01:59:35; Bright; 40.0; 119; 14Eta Dra ; 2.73; 4700;occ; 80; 0;43057
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20; 4384.6; 26-MAY-2010 02:22:06; Bright; 39.5; 53; 43Bet And ; 2.05; 3300;occ; 79; 0;43057
21; 4538.9; 26-MAY-2010 02:24:40; Dark ; 47.5; 58; 21Alp And ; 2.07; 11000;occ; 95; 0;43057
22; 4812.8; 26-MAY-2010 02:29:14; Dark ; 44.5; 140; 88Gam Peg ; 2.83; 26000;occ; 89; 0;43057
23; 5344.0; 26-MAY-2010 02:38:05; Dark ; 44.0; 52; 16Bet Cet ; 2.04; 4500;occ; 88; 0;43057
24; 5870.7; 26-MAY-2010 02:46:52; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;43057
25; 6041.5; 26-MAY-2010 02:49:43; Dark ; 49.5; 63; Bet Gru ; 2.15; 2800;occ; 99; 0;43057
26; 6145.7; 26-MAY-2010 02:51:27; Dark ; 43.0; 31; Alp Gru ; 1.73; 15200;occ; 86; 0;43058
27; 6462.9; 26-MAY-2010 02:56:44; Dark ; 42.5; 45; Alp Pav ; 1.94; 26000;occ; 85; 0;43058
28; 6860.4; 26-MAY-2010 03:03:22; Dark ; 46.0; 141; Bet Ara ; 2.84; 4600;occ; 92; 0;43058
29; 7030.3; 26-MAY-2010 03:06:12; Dark ; 46.5; 40; The Sco ; 1.86; 7100;occ; 93; 0;43058
30; 7140.2; 26-MAY-2010 03:08:02; Dark ; 48.0; 25; 35Lam Sco ; 1.62; 28000;occ; 96; 0;43058
31; 7258.1; 26-MAY-2010 03:09:59; Dark ; 46.0; 75; 26Eps Sco ; 2.29; 4250;occ; 92; 0;43058
32; 7386.2; 26-MAY-2010 03:12:07; Dark ; 48.0; 136; 23Tau Sco ; 2.82; 30000;occ; 96; 0;43058
33; 7566.0; 26-MAY-2010 03:15:07; Bright; 40.5; 97; 8Bet1Sco ; 2.56; 30000;occ; 81; 0;43058
34; 7773.2; 26-MAY-2010 03:18:35; Bright; 37.5; 104; 27Bet Lib ; 2.61; 13100;occ; 75; 0;43058
35; 8056.2; 26-MAY-2010 03:23:17; Bright; 39.5; 102; 24Alp Ser ; 2.60; 4250;occ; 79; 0;43058
36; 8419.9; 26-MAY-2010 03:29:21; Bright; 41.0; 67; 5Alp CrB ; 2.22; 11000;occ; 82; 0;43058

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3; 1103.7; 26-MAY-2010 01:27:25; Dark ; 49.0; 25; 35Lam Sco ; 1.62; 28000;occ; 98; 0;43057
4; 1221.6; 26-MAY-2010 01:29:23; Dark ; 49.5; 75; 26Eps Sco ; 2.29; 4250;occ; 99; 0;43057
5; 1349.8; 26-MAY-2010 01:31:31; Dark ; 44.5; 136; 23Tau Sco ; 2.82; 30000;occ; 89; 0;43057
6; 1530.1; 26-MAY-2010 01:34:31; Bright; 39.5; 97; 8Bet1Sco ; 2.56; 30000;occ; 79; 0;43057
7; 1737.4; 26-MAY-2010 01:37:59; Bright; 37.0; 104; 27Bet Lib ; 2.61; 13100;occ; 74; 0;43057
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9; 2020.5; 26-MAY-2010 01:42:42; Bright; 39.0; 102; 24Alp Ser ; 2.60; 4250;occ; 78; 0;43057
10; 2384.3; 26-MAY-2010 01:48:46; Bright; 39.0; 67; 5Alp CrB ; 2.22; 11000;occ; 78; 0;43057
11; 3033.3; 26-MAY-2010 01:59:35; Bright; 40.0; 119; 14Eta Dra ; 2.73; 4700;occ; 80; 0;43057
12; 3169.6; 26-MAY-2010 02:01:51; Bright; 34.5; 60; 7Bet UMi ; 2.08; 3950;occ; 69; 0;43057
13; 3935.2; 26-MAY-2010 02:14:36; Bright; 54.0; 76; 27Gam Cas ; 2.30; 30000;occ; 108; 0;43057
14; 4006.7; 26-MAY-2010 02:15:48; Bright; 54.5; 68; 18Alp Cas ; 2.22; 4500;occ; 109; 0;43057

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 17; 4812.8; 26-MAY-2010 02:29:14; Dark ; 44.5; 140; 88Gam Peg ; 2.83; 26000;occ; 89; 0;43057
 18; 5344.0; 26-MAY-2010 02:38:05; Dark ; 44.0; 52; 16Bet Cet ; 2.04; 4500;occ; 88; 0;43057
 19; 5870.7; 26-MAY-2010 02:46:52; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;43057
 20; 6041.5; 26-MAY-2010 02:49:43; Dark ; 49.5; 63; Bet Gru ; 2.15; 2800;occ; 99; 0;43057
 21; 6145.7; 26-MAY-2010 02:51:27; Dark ; 43.0; 31; Alp Gru ; 1.73; 15200;occ; 86; 0;43058
 22; 6462.9; 26-MAY-2010 02:56:44; Dark ; 42.5; 45; Alp Pav ; 1.94; 26000;occ; 85; 0;43058
 23; 6860.4; 26-MAY-2010 03:03:22; Dark ; 46.0; 141; Bet Ara ; 2.84; 4600;occ; 92; 0;43058
 24; 7030.3; 26-MAY-2010 03:06:12; Dark ; 46.5; 40; The Sco ; 1.86; 7100;occ; 93; 0;43058
 25; 7140.2; 26-MAY-2010 03:08:02; Dark ; 48.0; 25; 35Lam Sco ; 1.62; 28000;occ; 96; 0;43058
 26; 7258.1; 26-MAY-2010 03:09:59; Dark ; 46.0; 75; 26Eps Sco ; 2.29; 4250;occ; 92; 0;43058
 27; 7386.2; 26-MAY-2010 03:12:07; Dark ; 48.0; 136; 23Tau Sco ; 2.82; 30000;occ; 96; 0;43058
 28; 7566.0; 26-MAY-2010 03:15:07; Bright; 40.5; 97; 8Bet1Sco ; 2.56; 30000;occ; 81; 0;43058
 29; 7773.2; 26-MAY-2010 03:18:35; Bright; 37.5; 104; 27Bet Lib ; 2.61; 13100;occ; 75; 0;43058
 30; 8056.2; 26-MAY-2010 03:23:17; Bright; 39.5; 102; 24Alp Ser ; 2.60; 4250;occ; 79; 0;43058
 31; 8419.9; 26-MAY-2010 03:29:21; Bright; 11.5; 67; 5Alp CrB ; 2.22; 11000;occ; 23; 0;43058

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 2;-2866.3; 26-MAY-2010 03:42:27; Bright; 35.5; 60; 7Bet UMi ; 2.08; 3950;occ; 71; 0;43058
 3;-2100.6; 26-MAY-2010 03:55:13; Bright; 54.0; 76; 27Gam Cas ; 2.30; 30000;occ; 108; 0;43058
 4;-2029.2; 26-MAY-2010 03:56:24; Bright; 38.5; 68; 18Alp Cas ; 2.22; 4500;occ; 77; 0;43058
 5;-1651.2; 26-MAY-2010 04:02:42; Bright; 40.0; 53; 43Bet And ; 2.05; 3300;occ; 80; 0;43058
 6;-1497.0; 26-MAY-2010 04:05:16; Dark ; 52.5; 58; 21Alp And ; 2.07; 11000;occ; 105; 0;43058
 7;-1222.9; 26-MAY-2010 04:09:50; Dark ; 46.5; 140; 88Gam Peg ; 2.83; 26000;occ; 93; 0;43058
 8; -691.4; 26-MAY-2010 04:18:42; Dark ; 45.0; 52; 16Bet Cet ; 2.04; 4500;occ; 90; 0;43058
 9; -164.6; 26-MAY-2010 04:27:29; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;43058
 10; 6.5; 26-MAY-2010 04:30:20; Dark ; 55.5; 63; Bet Gru ; 2.15; 2800;occ; 111; 0;43058
 11; 111.0; 26-MAY-2010 04:32:04; Dark ; 43.0; 31; Alp Gru ; 1.73; 15200;occ; 86; 0;43059
 12; 427.8; 26-MAY-2010 04:37:21; Dark ; 42.0; 45; Alp Pav ; 1.94; 26000;occ; 84; 0;43059
 13; 825.3; 26-MAY-2010 04:43:59; Dark ; 45.0; 141; Bet Ara ; 2.84; 4600;occ; 90; 0;43059
 14; 994.9; 26-MAY-2010 04:46:48; Dark ; 49.5; 40; The Sco ; 1.86; 7100;occ; 99; 0;43059
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 17; 1737.3; 26-MAY-2010 06:39:46; Bright; 9.0; 104; 27Bet Lib ; 2.61; 13100;occ; 18; 0;43060
 18; 2020.4; 26-MAY-2010 06:44:30; Bright; 38.5; 102; 24Alp Ser ; 2.60; 4250;occ; 77; 0;43060
 19; 2383.6; 26-MAY-2010 06:50:33; Bright; 57.0; 67; 5Alp CrB ; 2.22; 11000;occ; 114; 0;43060
 20; 3032.3; 26-MAY-2010 07:01:22; Bright; 41.0; 119; 14Eta Dra ; 2.73; 4700;occ; 82; 0;43060
 21; 3169.7; 26-MAY-2010 07:03:39; Bright; 37.0; 60; 7Bet UMi ; 2.08; 3950;occ; 74; 0;43060

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 3;-1651.0; 26-MAY-2010 07:23:54; Bright; 40.0; 53; 43Bet And ; 2.05; 3300;occ; 80; 0;43060
 4;-1496.7; 26-MAY-2010 07:26:28; Dark ; 48.0; 58; 21Alp And ; 2.07; 11000;occ; 96; 0;43060

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6; -690.4; 26-MAY-2010 07:39:55; Dark ; 45.5; 52; 16Bet Cet ; 2.04; 4500;occ; 91; 0;43060
7; -163.4; 26-MAY-2010 07:48:42; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;43060
8; 7.9; 26-MAY-2010 07:51:33; Dark ; 58.0; 63; Bet Gru ; 2.15; 2800;occ; 116; 0;43060
9; 112.6; 26-MAY-2010 07:53:18; Dark ; 44.0; 31; Alp Gru ; 1.73; 15200;occ; 88; 0;43061
10; 429.3; 26-MAY-2010 07:58:34; Dark ; 43.0; 45; Alp Pav ; 1.94; 26000;occ; 86; 0;43061
11; 826.2; 26-MAY-2010 08:05:11; Dark ; 42.5; 141; Bet Ara ; 2.84; 4600;occ; 85; 0;43061
12; 995.7; 26-MAY-2010 08:08:01; Dark ; 47.5; 40; The Sco ; 1.86; 7100;occ; 95; 0;43061
13; 1105.5; 26-MAY-2010 08:09:51; Dark ; 52.5; 25; 35Lam Sco ; 1.62; 28000;occ; 105; 0;43061
14; 1222.8; 26-MAY-2010 08:11:48; Dark ; 46.5; 75; 26Eps Sco ; 2.29; 4250;occ; 93; 0;43061
15; 1351.3; 26-MAY-2010 08:13:56; Dark ; 45.5; 136; 23Tau Sco ; 2.82; 30000;occ; 91; 0;43061
16; 1530.5; 26-MAY-2010 08:16:56; Bright; 40.5; 97; 8Bet1Sco ; 2.56; 30000;occ; 81; 0;43061
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2; 2020.0; 26-MAY-2010 08:25:05; Bright; 39.0; 102; 24Alp Ser ; 2.60; 4250;occ; 78; 0;43061
3; 2383.4; 26-MAY-2010 08:31:08; Bright; 39.5; 67; 5Alp CrB ; 2.22; 11000;occ; 79; 0;43061
4; 3031.8; 26-MAY-2010 08:41:57; Bright; 40.5; 119; 14Eta Dra ; 2.73; 4700;occ; 81; 0;43061
5; 3169.2; 26-MAY-2010 08:44:14; Bright; 35.0; 60; 7Bet UMi ; 2.08; 3950;occ; 70; 0;43061
6; 3935.0; 26-MAY-2010 08:57:00; Bright; 54.0; 76; 27Gam Cas ; 2.30; 30000;occ; 108; 0;43061
7; 4006.9; 26-MAY-2010 08:58:12; Bright; 56.0; 68; 18Alp Cas ; 2.22; 4500;occ; 112; 0;43061
8; 4385.3; 26-MAY-2010 09:04:30; Bright; 39.5; 53; 43Bet And ; 2.05; 3300;occ; 79; 0;43061
9; 4539.4; 26-MAY-2010 09:07:05; Dark ; 51.0; 58; 21Alp And ; 2.07; 11000;occ; 102; 0;43061
10; 4814.2; 26-MAY-2010 09:11:39; Dark ; 47.5; 140; 88Gam Peg ; 2.83; 26000;occ; 95; 0;43061
11; 5345.8; 26-MAY-2010 09:20:31; Dark ; 43.5; 52; 16Bet Cet ; 2.04; 4500;occ; 87; 0;43061
12; 5873.0; 26-MAY-2010 09:29:18; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;43061
13; 6044.6; 26-MAY-2010 09:32:10; Dark ; 47.5; 63; Bet Gru ; 2.15; 2800;occ; 95; 0;43061
14; 6149.5; 26-MAY-2010 09:33:55; Dark ; 49.0; 31; Alp Gru ; 1.73; 15200;occ; 98; 0;43062
15; 6465.7; 26-MAY-2010 09:39:11; Dark ; 43.5; 45; Alp Pav ; 1.94; 26000;occ; 87; 0;43062
16; 6862.3; 26-MAY-2010 09:45:47; Dark ; 41.0; 141; Bet Ara ; 2.84; 4600;occ; 82; 0;43062
17; 7032.1; 26-MAY-2010 09:48:37; Dark ; 47.5; 40; The Sco ; 1.86; 7100;occ; 95; 0;43062
18; 7142.3; 26-MAY-2010 09:50:27; Dark ; 50.5; 25; 35Lam Sco ; 1.62; 28000;occ; 101; 0;43062
19; 7259.2; 26-MAY-2010 09:52:24; Dark ; 47.0; 75; 26Eps Sco ; 2.29; 4250;occ; 94; 0;43062
20; 7387.3; 26-MAY-2010 09:54:32; Dark ; 46.0; 136; 23Tau Sco ; 2.82; 30000;occ; 92; 0;43062
21; 7566.8; 26-MAY-2010 09:57:32; Bright; 42.0; 97; 8Bet1Sco ; 2.56; 30000;occ; 84; 0;43062
22; 7773.7; 26-MAY-2010 10:00:59; Bright; 27.0; 104; 27Bet Lib ; 2.61; 13100;occ; 54; 0;43062
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3; 2383.1; 26-MAY-2010 10:11:44; Bright; 41.0; 67; 5Alp CrB ; 2.22; 11000;occ; 82; 0;43062
4; 3031.4; 26-MAY-2010 10:22:32; Bright; 38.0; 119; 14Eta Dra ; 2.73; 4700;occ; 76; 0;43062
5; 3169.5; 26-MAY-2010 10:24:51; Bright; 36.0; 60; 7Bet UMi ; 2.08; 3950;occ; 72; 0;43062
6; 3935.0; 26-MAY-2010 10:37:36; Bright; 54.0; 76; 27Gam Cas ; 2.30; 30000;occ; 108; 0;43062
7; 4006.3; 26-MAY-2010 10:38:47; Bright; 39.5; 68; 18Alp Cas ; 2.22; 4500;occ; 79; 0;43062
8; 4385.1; 26-MAY-2010 10:45:06; Bright; 40.0; 53; 43Bet And ; 2.05; 3300;occ; 80; 0;43062
9; 4539.4; 26-MAY-2010 10:47:40; Dark ; 50.0; 58; 21Alp And ; 2.07; 11000;occ; 100; 0;43062
10; 4814.5; 26-MAY-2010 10:52:16; Dark ; 46.0; 140; 88Gam Peg ; 2.83; 26000;occ; 92; 0;43062
11; 5346.2; 26-MAY-2010 11:01:07; Dark ; 41.0; 52; 16Bet Cet ; 2.04; 4500;occ; 82; 0;43062
12; 5873.6; 26-MAY-2010 11:09:55; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;43062
13; 6045.4; 26-MAY-2010 11:12:46; Dark ; 60.0; 63; Bet Gru ; 2.15; 2800;occ; 120; 0;43063
14; 6150.3; 26-MAY-2010 11:14:31; Dark ; 50.5; 31; Alp Gru ; 1.73; 15200;occ; 101; 0;43063
15; 6466.5; 26-MAY-2010 11:19:48; Dark ; 42.5; 45; Alp Pav ; 1.94; 26000;occ; 85; 0;43063
16; 6862.5; 26-MAY-2010 11:26:24; Dark ; 40.0; 141; Bet Ara ; 2.84; 4600;occ; 80; 0;43063
17; 7032.5; 26-MAY-2010 11:29:14; Dark ; 48.0; 40; The Sco ; 1.86; 7100;occ; 96; 0;43063
18; 7142.7; 26-MAY-2010 11:31:04; Dark ; 49.5; 25; 35Lam Sco ; 1.62; 28000;occ; 99; 0;43063
19; 7259.5; 26-MAY-2010 11:33:01; Dark ; 48.5; 75; 26Eps Sco ; 2.29; 4250;occ; 97; 0;43063
20; 7387.4; 26-MAY-2010 11:35:08; Dark ; 43.5; 136; 23Tau Sco ; 2.82; 30000;occ; 87; 0;43063
21; 7566.7; 26-MAY-2010 11:38:08; Bright; 40.0; 97; 8Bet1Sco ; 2.56; 30000;occ; 80; 0;43063
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3; 2382.7; 26-MAY-2010 11:52:20; Bright; 38.5; 67; 5Alp CrB ; 2.22; 11000;occ; 77; 0;43063
4; 3031.1; 26-MAY-2010 12:03:08; Bright; 40.5; 119; 14Eta Dra ; 2.73; 4700;occ; 81; 0;43063
5; 3169.1; 26-MAY-2010 12:05:26; Bright; 53.0; 60; 7Bet UMi ; 2.08; 3950;occ; 106; 0;43063
6; 3935.0; 26-MAY-2010 12:18:12; Bright; 37.5; 76; 27Gam Cas ; 2.30; 30000;occ; 75; 0;43063
7; 4006.5; 26-MAY-2010 12:19:23; Bright; 39.0; 68; 18Alp Cas ; 2.22; 4500;occ; 78; 0;43063
8; 4385.7; 26-MAY-2010 12:25:43; Bright; 39.5; 53; 43Bet And ; 2.05; 3300;occ; 79; 0;43063
9; 4540.3; 26-MAY-2010 12:28:17; Dark ; 48.0; 58; 21Alp And ; 2.07; 11000;occ; 96; 0;43063
10; 4815.9; 26-MAY-2010 12:32:53; Dark ; 44.0; 140; 88Gam Peg ; 2.83; 26000;occ; 88; 0;43063

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 13; 6046.3; 26-MAY-2010 12:53:23; Dark ; 45.0; 63; Bet Gru ; 2.15; 2800;occ; 90; 0;43064
 14; 6151.7; 26-MAY-2010 12:55:09; Dark ; 45.0; 31; Alp Gru ; 1.73; 15200;occ; 90; 0;43064
 15; 6467.5; 26-MAY-2010 13:00:24; Dark ; 40.5; 45; Alp Pav ; 1.94; 26000;occ; 81; 0;43064
 16; 6863.6; 26-MAY-2010 13:07:00; Dark ; 42.0; 141; Bet Ara ; 2.84; 4600;occ; 84; 0;43064
 17; 7033.8; 26-MAY-2010 13:09:51; Dark ; 48.5; 40; The Sco ; 1.86; 7100;occ; 97; 0;43064
 18; 7143.7; 26-MAY-2010 13:11:41; Dark ; 47.0; 25; 35Lam Sco ; 1.62; 28000;occ; 94; 0;43064
 19; 7260.5; 26-MAY-2010 13:13:37; Dark ; 47.0; 75; 26Eps Sco ; 2.29; 4250;occ; 94; 0;43064
 20; 7388.4; 26-MAY-2010 13:15:45; Dark ; 44.0; 136; 23Tau Sco ; 2.82; 30000;occ; 88; 0;43064
 21; 7567.7; 26-MAY-2010 13:18:45; Bright; 39.0; 97; 8Bet1Sco ; 2.56; 30000;occ; 78; 0;43064

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 3; 1837.4; 26-MAY-2010 13:23:50; Bright; 43.5; 120; 1Del Oph ; 2.73; 3200;occ; 87; 0;43064
 4; 2020.5; 26-MAY-2010 13:26:53; Bright; 38.5; 102; 24Alp Ser ; 2.60; 4250;occ; 77; 0;43064
 5; 2383.8; 26-MAY-2010 13:32:57; Bright; 37.5; 67; 5Alp CrB ; 2.22; 11000;occ; 75; 0;43064
 6; 3031.7; 26-MAY-2010 13:43:44; Bright; 37.0; 119; 14Eta Dra ; 2.73; 4700;occ; 74; 0;43064
 7; 3170.3; 26-MAY-2010 13:46:03; Bright; 34.0; 60; 7Bet UMi ; 2.08; 3950;occ; 68; 0;43064
 8; 3935.8; 26-MAY-2010 13:58:49; Bright; 39.0; 76; 27Gam Cas ; 2.30; 30000;occ; 78; 0;43064
 9; 4007.3; 26-MAY-2010 14:00:00; Bright; 45.0; 68; 18Alp Cas ; 2.22; 4500;occ; 90; 0;43064
 10; 4386.4; 26-MAY-2010 14:06:19; Bright; 39.0; 53; 43Bet And ; 2.05; 3300;occ; 78; 0;43064
 11; 4541.2; 26-MAY-2010 14:08:54; Dark ; 49.5; 58; 21Alp And ; 2.07; 11000;occ; 99; 0;43064
 12; 4816.3; 26-MAY-2010 14:13:29; Dark ; 45.5; 140; 88Gam Peg ; 2.83; 26000;occ; 91; 0;43064
 13; 5348.2; 26-MAY-2010 14:22:21; Dark ; 46.0; 52; 16Bet Cet ; 2.04; 4500;occ; 92; 0;43064
 14; 5874.8; 26-MAY-2010 14:31:08; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;43064
 15; 6047.6; 26-MAY-2010 14:34:00; Dark ; 50.5; 63; Bet Gru ; 2.15; 2800;occ; 101; 0;43065
 16; 6152.6; 26-MAY-2010 14:35:45; Dark ; 43.0; 31; Alp Gru ; 1.73; 15200;occ; 86; 0;43065
 17; 6468.7; 26-MAY-2010 14:41:01; Dark ; 43.0; 45; Alp Pav ; 1.94; 26000;occ; 86; 0;43065
 18; 6864.1; 26-MAY-2010 14:47:37; Dark ; 42.0; 141; Bet Ara ; 2.84; 4600;occ; 84; 0;43065
 19; 7034.5; 26-MAY-2010 14:50:27; Dark ; 48.5; 40; The Sco ; 1.86; 7100;occ; 97; 0;43065
 20; 7144.3; 26-MAY-2010 14:52:17; Dark ; 48.0; 25; 35Lam Sco ; 1.62; 28000;occ; 96; 0;43065
 21; 7260.8; 26-MAY-2010 14:54:14; Dark ; 48.0; 75; 26Eps Sco ; 2.29; 4250;occ; 96; 0;43065
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 4; 1225.2; 26-MAY-2010 19:56:02; Dark ; 52.0; 75; 26Eps Sco ; 2.29; 4250;occ; 104; 0;43068
 5; 1352.8; 26-MAY-2010 19:58:09; Dark ; 44.0; 136; 23Tau Sco ; 2.82; 30000;occ; 88; 0;43068
 6; 1531.5; 26-MAY-2010 20:01:08; Bright; 41.5; 97; 8Bet1Sco ; 2.56; 30000;occ; 83; 0;43068
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 9; 2019.2; 26-MAY-2010 20:09:16; Bright; 40.0; 102; 24Alp Ser ; 2.60; 4250;occ; 80; 0;43068
 10; 2381.7; 26-MAY-2010 20:15:18; Bright; 40.5; 67; 5Alp CrB ; 2.22; 11000;occ; 81; 0;43068
 11; 3029.0; 26-MAY-2010 20:26:06; Bright; 43.5; 119; 14Eta Dra ; 2.73; 4700;occ; 87; 0;43068
 12; 3169.0; 26-MAY-2010 20:28:26; Bright; 36.5; 60; 7Bet UMi ; 2.08; 3950;occ; 73; 0;43068
 13; 3934.6; 26-MAY-2010 20:41:11; Bright; 38.0; 76; 27Gam Cas ; 2.30; 30000;occ; 76; 0;43068
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 15; 4540.6; 26-MAY-2010 20:51:17; Dark ; 49.5; 58; 21Alp And ; 2.07; 11000;occ; 99; 0;43068
 16; 4817.2; 26-MAY-2010 20:55:54; Dark ; 48.5; 140; 88Gam Peg ; 2.83; 26000;occ; 97; 0;43068

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 6; 829.3; 26-MAY-2010 21:30:02; Dark ; 42.5; 141; Bet Ara ; 2.84; 4600;occ; 85; 0;43069
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 10; 1353.2; 26-MAY-2010 21:38:46; Dark ; 46.5; 136; 23Tau Sco ; 2.82; 30000;occ; 93; 0;43069
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 12; 1738.3; 26-MAY-2010 21:45:11; Bright; 37.0; 104; 27Bet Lib ; 2.61; 13100;occ; 74; 0;43069
 13; 1836.3; 26-MAY-2010 21:46:49; Bright; 42.5; 120; 1Del Oph ; 2.73; 3200;occ; 85; 0;43069
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 16; 3028.7; 26-MAY-2010 22:06:41; Bright; 41.5; 119; 14Eta Dra ; 2.73; 4700;occ; 83; 0;43069


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11; 1532.0; 26-MAY-2010 23:22:20; Bright; 42.0; 97; 8Bet1Sco ; 2.56; 30000;occ; 84; 0;43070
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14; 3929.5; 31-MAY-2010 19:43:37; Bright; 55.0; 76; 27Gam Cas ; 2.30; 30000;occ; 110; 0;43139
15; 4393.3; 31-MAY-2010 19:51:21; Bright; 45.5; 53; 43Bet And ; 2.05; 3300;occ; 91; 0;43139
16; 4554.3; 31-MAY-2010 19:54:02; Dark ; 54.0; 58; 21Alp And ; 2.07; 11000;occ; 108; 0;43139

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17; 4849.1; 31-MAY-2010 19:58:57; Dark ; 53.0; 140; 88Gam Peg ; 2.83; 26000;occ; 106; 0;43139
18; 5276.2; 31-MAY-2010 20:06:04; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;43139
19; 5388.5; 31-MAY-2010 20:07:56; Dark ; 49.0; 52; 16Bet Cet ; 2.04; 4500;occ; 98; 0;43139
20; 5906.6; 31-MAY-2010 20:16:34; Dark ; 68.0; 18; 24Alp PsA ; 1.17; 9700;occ; 136; 0;43139
21; 6108.1; 31-MAY-2010 20:19:56; Dark ; 54.0; 63; Bet Gru ; 2.15; 2800;occ; 108; 0;43140
22; 6220.0; 31-MAY-2010 20:21:48; Dark ; 46.0; 31; Alp Gru ; 1.73; 15200;occ; 92; 0;43140
23; 6520.3; 31-MAY-2010 20:26:48; Dark ; 46.5; 45; Alp Pav ; 1.94; 26000;occ; 93; 0;43140
24; 6968.5; 31-MAY-2010 20:34:16; Dark ; 39.5; 147; Alp Ara ; 2.88; 26000;occ; 79; 0;43140
25; 7069.9; 31-MAY-2010 20:35:58; Dark ; 46.5; 40; The Sco ; 1.86; 7100;occ; 93; 0;43140
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1; -758.9; 31-MAY-2010 21:46:41; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;43140
2; -646.8; 31-MAY-2010 21:48:33; Dark ; 47.0; 52; 16Bet Cet ; 2.04; 4500;occ; 94; 0;43140
3; -128.1; 31-MAY-2010 21:57:11; Dark ; 60.5; 18; 24Alp PsA ; 1.17; 9700;occ; 121; 0;43140
4; 72.8; 31-MAY-2010 22:00:32; Dark ; 58.0; 63; Bet Gru ; 2.15; 2800;occ; 116; 0;43141
5; 185.0; 31-MAY-2010 22:02:25; Dark ; 48.5; 31; Alp Gru ; 1.73; 15200;occ; 97; 0;43141
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