

GOMOS Daily Report 14-MAY-2010

Level 0 and Level 1 products

SUMMARY

[1. General Info](#)

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

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

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

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

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

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

[4. Dark Charge monitoring](#)

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

[4.2 Plot of Dark Charge](#)

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

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

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

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

[6. Star tangent altitude lost](#)

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

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

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

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

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

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

[7.2 SATU Noise Equivalent Angle statistics](#)

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

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

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

[Level 2 products](#)

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

Item	Value
Time of report generation	17MAY2010 04:51:55
Data source version	GOMOS/5.00L04
Start time of products	14MAY2010 00:08:08
Stop time of products	14MAY2010 23:54:42
Store outputs in DB	Yes
Nb of level 1b prods	120
Nb of prods with errors	0

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

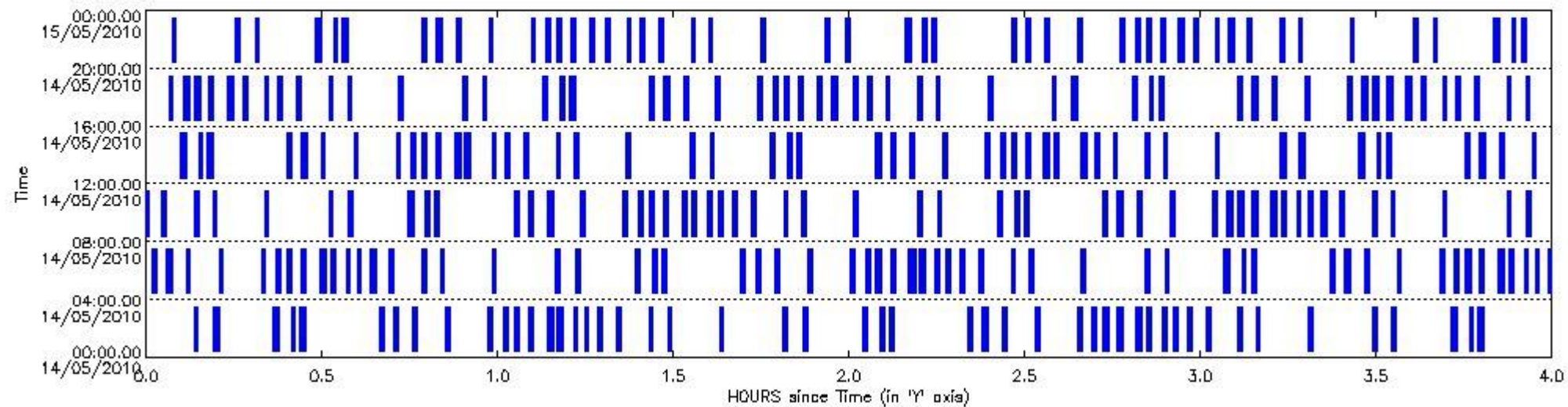
2.1 Level 0 products arrived in PCF (see template [here](#))

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

Red segments are missing products.

Blue segments are available products.

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



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

No missing products.

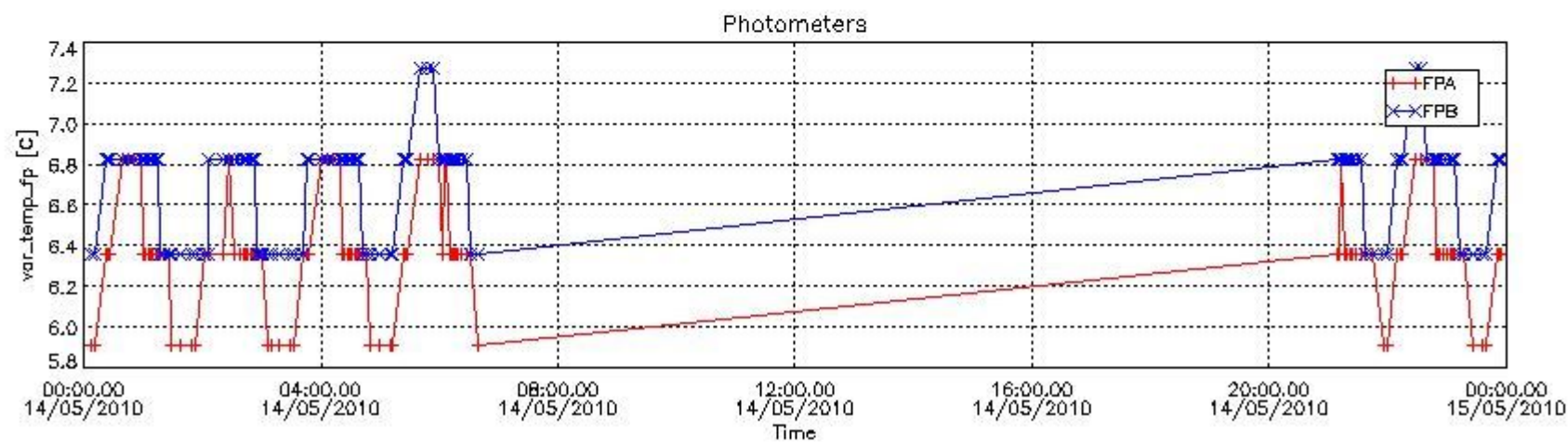
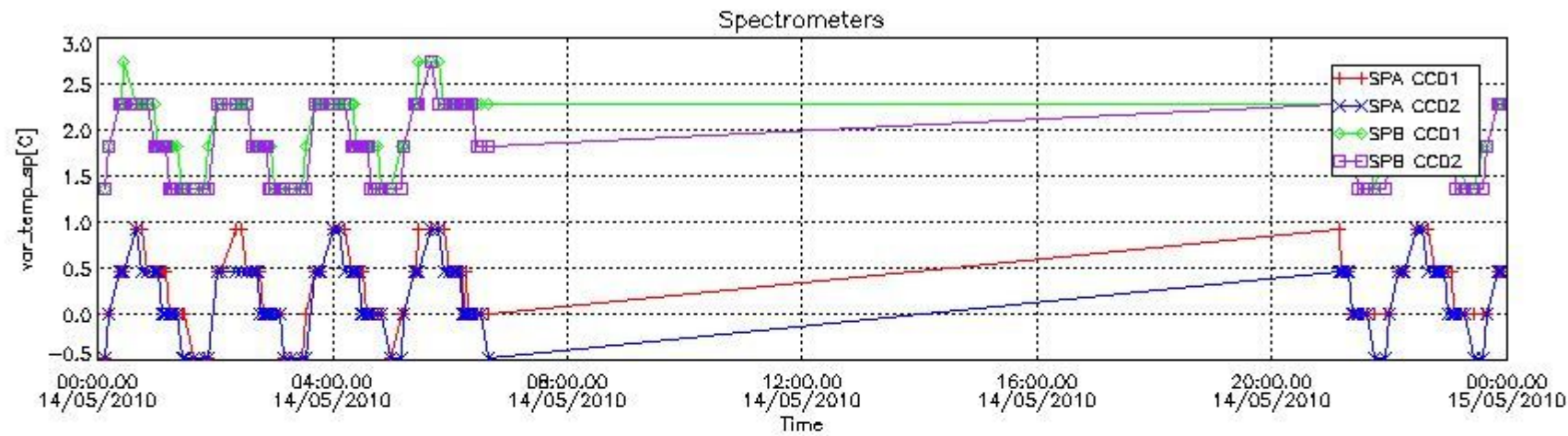
2.4 Summary of processed GOM_TRA_1P products

Nr	Filename	UTC Start time	Limb	Duration	Star Id	Star Name	Star Mag	Star Temp	Nb Meas	Orbit	Prod. error
1	GOM_TRA_1PNPDE20100514_000808_000000442089_00245_42884_1188.N1	14-MAY-2010 00:08:08	Bright	43.500	89	5Alp Cep	2.4510	8000.0	87	42884	No
2	GOM_TRA_1PNPDE20100514_001129_000000542089_00245_42884_1189.N1	14-MAY-2010 00:11:29	Bright	54.000	74	11Bet Cas	2.2680	6600.0	108	42884	No
3	GOM_TRA_1PNPDE20100514_002138_000000612089_00245_42884_1190.N1	14-MAY-2010 00:21:38	Twilight	60.500	93	53Bet Peg	2.5200	3100.0	121	42884	No
4	GOM_TRA_1PNPDE20100514_002441_000000422089_00245_42884_1191.N1	14-MAY-2010 00:24:41	Twilight	42.000	140	88Gam Peg	2.8340	26000.	84	42884	No
5	GOM_TRA_1PNPDE20100514_002612_000000542089_00245_42884_1192.N1	14-MAY-2010 00:26:12	Dark	53.500	90	54Alp Peg	2.4870	11000.	107	42884	No
6	GOM_TRA_1PNPDE20100514_003941_000000482089_00245_42884_1198.N1	14-MAY-2010 00:39:41	Dark	48.000	18	24Alp PsA	1.1660	9700.0	96	42884	No
7	GOM_TRA_1PNPDE20100514_004532_000000462089_00245_42884_1199.N1	14-MAY-2010 00:45:32	Dark	46.000	31	Alp Gru	1.7340	15200.	92	42884	No
8	GOM_TRA_1PNPDE20100514_005107_000000422089_00246_42885_1200.N1	14-MAY-2010 00:51:07	Dark	41.500	45	Alp Pav	1.9400	26000.	83	42885	No
9	GOM_TRA_1PNPDE20100514_005824_000000492089_00246_42885_1201.N1	14-MAY-2010 00:58:24	Straylight	48.500	141	Bet Ara	2.8400	4600.0	97	42885	No
10	GOM_TRA_1PNPDE20100514_010054_000000512089_00246_42885_1202.N1	14-MAY-2010 01:00:54	Straylight	51.000	40	The Sco	1.8590	7100.0	102	42885	No
11	GOM_TRA_1PNPDE20100514_010245_000000562089_00246_42885_1203.N1	14-MAY-2010 01:02:45	Straylight	56.000	25	35Lam Sco	1.6200	28000.	112	42885	No
12	GOM_TRA_1PNPDE20100514_010512_000000542089_00246_42885_1204.N1	14-MAY-2010 01:05:12	Straylight	53.500	75	26Eps Sco	2.2910	4250.0	107	42885	No

13	GOM_TRA_1PNPDE20100514_010823_000000672089_00246_42885_1205.N1	14-MAY-2010 01:08:23	Twilight	67.000	16	21Alp Sco	1.0200	3000.0	134	42885	No
14	GOM_TRA_1PNPDE20100514_011010_000000622089_00246_42885_1206.N1	14-MAY-2010 01:10:10	Bright	61.500	80	7Del Sco	2.3160	3000.0	123	42885	No
15	GOM_TRA_1PNPDE20100514_011254_000000402089_00246_42885_1207.N1	14-MAY-2010 01:12:54	Bright	40.000	122	9Alp2Lib	2.7470	9700.0	80	42885	No
16	GOM_TRA_1PNPDE20100514_011448_000000412089_00246_42885_1208.N1	14-MAY-2010 01:14:48	Bright	41.000	104	27Bet Lib	2.6140	13100.0	82	42885	No
17	GOM_TRA_1PNPDE20100514_011706_000000462089_00246_42885_1209.N1	14-MAY-2010 01:17:06	Bright	46.000	120	1Del Oph	2.7340	3200.0	92	42885	No
18	GOM_TRA_1PNPDE20100514_012018_000000462089_00246_42885_1210.N1	14-MAY-2010 01:20:18	Bright	45.500	102	24Alp Ser	2.6000	4250.0	91	42885	No
19	GOM_TRA_1PNPDE20100514_012551_000000382089_00246_42885_1211.N1	14-MAY-2010 01:25:51	Bright	37.500	83		2.3780	11000.0	75	42885	No
20	GOM_TRA_1PNPDE20100514_012858_000000362089_00246_42885_1212.N1	14-MAY-2010 01:28:58	Bright	36.000	180	27Gam Boo	3.0400	8000.0	72	42885	No
21	GOM_TRA_1PNPDE20100514_013749_000000432089_00246_42885_1213.N1	14-MAY-2010 01:37:49	Bright	43.000	119	14Eta Dra	2.7270	4700.0	86	42885	No
22	GOM_TRA_1PNPDE20100514_014844_000000442089_00246_42885_1214.N1	14-MAY-2010 01:48:44	Bright	44.000	89	5Alp Cep	2.4510	8000.0	88	42885	No
23	GOM_TRA_1PNPDE20100514_015205_000000472089_00246_42885_1215.N1	14-MAY-2010 01:52:05	Bright	47.000	74	11Bet Cas	2.2680	6600.0	94	42885	No
24	GOM_TRA_1PNPDE20100514_020214_000000602089_00246_42885_1216.N1	14-MAY-2010 02:02:14	Twilight	59.500	93	53Bet Peg	2.5200	3100.0	119	42885	No
25	GOM_TRA_1PNPDE20100514_020517_000000422089_00246_42885_1217.N1	14-MAY-2010 02:05:17	Twilight	42.000	140	88Gam Peg	2.8340	26000.0	84	42885	No
26	GOM_TRA_1PNPDE20100514_020648_000000532089_00246_42885_1218.N1	14-MAY-2010 02:06:48	Dark	52.500	90	54Alp Peg	2.4870	11000.0	105	42885	No
27	GOM_TRA_1PNPDE20100514_022018_000000482089_00246_42885_1223.N1	14-MAY-2010 02:20:18	Dark	48.000	18	24Alp PsA	1.1660	9700.0	96	42885	No
28	GOM_TRA_1PNPDE20100514_022609_000000452089_00246_42885_1224.N1	14-MAY-2010 02:26:09	Dark	45.000	31	Alp Gru	1.7340	15200.0	90	42885	No
29	GOM_TRA_1PNPDE20100514_023144_000000442089_00247_42886_1225.N1	14-MAY-2010 02:31:44	Dark	44.000	45	Alp Pav	1.9400	26000.0	88	42886	No
30	GOM_TRA_1PNPDE20100514_023901_000000462089_00247_42886_1226.N1	14-MAY-2010 02:39:01	Straylight	45.500	141	Bet Ara	2.8400	4600.0	91	42886	No
31	GOM_TRA_1PNPDE20100514_024130_000000512089_00247_42886_1227.N1	14-MAY-2010 02:41:30	Straylight	51.000	40	The Sco	1.8590	7100.0	102	42886	No
32	GOM_TRA_1PNPDE20100514_024322_000000572089_00247_42886_1228.N1	14-MAY-2010 02:43:22	Straylight	56.500	25	35Lam Sco	1.6200	28000.0	113	42886	No
33	GOM_TRA_1PNPDE20100514_024548_000000542089_00247_42886_1229.N1	14-MAY-2010 02:45:48	Straylight	53.500	75	26Eps Sco	2.2910	4250.0	107	42886	No
34	GOM_TRA_1PNPDE20100514_024859_000000582089_00247_42886_1230.N1	14-MAY-2010 02:48:59	Twilight	58.000	16	21Alp Sco	1.0200	3000.0	116	42886	No
35	GOM_TRA_1PNPDE20100514_025046_000000562089_00247_42886_1231.N1	14-MAY-2010 02:50:46	Bright	56.000	80	7Del Sco	2.3160	3000.0	112	42886	No
36	GOM_TRA_1PNPDE20100514_025330_000000402089_00247_42886_1232.N1	14-MAY-2010 02:53:30	Bright	40.000	122	9Alp2Lib	2.7470	9700.0	80	42886	No
37	GOM_TRA_1PNPDE20100514_025524_000000502089_00247_42886_1233.N1	14-MAY-2010 02:55:24	Bright	50.000	104	27Bet Lib	2.6140	13100.0	100	42886	No
38	GOM_TRA_1PNPDE20100514_025741_000000532089_00247_42886_1234.N1	14-MAY-2010 02:57:41	Bright	53.000	120	1Del Oph	2.7340	3200.0	106	42886	No
39	GOM_TRA_1PNPDE20100514_030054_000000462089_00247_42886_1235.N1	14-MAY-2010 03:00:54	Bright	46.000	102	24Alp Ser	2.6000	4250.0	92	42886	No
40	GOM_TRA_1PNPDE20100514_030626_000000442089_00247_42886_1236.N1	14-MAY-2010 03:06:26	Bright	44.000	83		2.3780	11000.0	88	42886	No
41	GOM_TRA_1PNPDE20100514_030934_000000372089_00247_42886_1237.N1	14-MAY-2010 03:09:34	Bright	37.000	180	27Gam Boo	3.0400	8000.0	74	42886	No
42	GOM_TRA_1PNPDE20100514_031824_000000432089_00247_42886_1238.N1	14-MAY-2010 03:18:24	Bright	42.500	119	14Eta Dra	2.7270	4700.0	85	42886	No
43	GOM_TRA_1PNPDE20100514_032919_000000452089_00247_42886_1249.N1	14-MAY-2010 03:29:19	Bright	44.500	89	5Alp Cep	2.4510	8000.0	89	42886	No
44	GOM_TRA_1PNPDE20100514_033241_000000382089_00247_42886_1250.N1	14-MAY-2010 03:32:41	Bright	38.000	74	11Bet Cas	2.2680	6600.0	76	42886	No
45	GOM_TRA_1PNPDE20100514_034251_000000632089_00247_42886_1251.N1	14-MAY-2010 03:42:51	Twilight	63.000	93	53Bet Peg	2.5200	3100.0	126	42886	No
46	GOM_TRA_1PNPDE20100514_034553_000000412089_00247_42886_1252.N1	14-MAY-2010 03:45:53	Twilight	41.000	140	88Gam Peg	2.8340	26000.0	82	42886	No
47	GOM_TRA_1PNPDE20100514_034725_000000522089_00247_42886_1253.N1	14-MAY-2010 03:47:25	Dark	52.000	90	54Alp Peg	2.4870	11000.0	104	42886	No
48	GOM_TRA_1PNPDE20100514_040055_000000482089_00247_42886_1254.N1	14-MAY-2010 04:00:55	Dark	48.000	18	24Alp PsA	1.1660	9700.0	96	42886	No
49	GOM_TRA_1PNPDE20100514_040646_000000422089_00247_42886_1255.N1	14-MAY-2010 04:06:46	Dark	42.000	31	Alp Gru	1.7340	15200.0	84	42886	No
50	GOM_TRA_1PNPDE20100514_041221_000000422089_00248_42887_1256.N1	14-MAY-2010 04:12:21	Dark	41.500	45	Alp Pav	1.9400	26000.0	83	42887	No
51	GOM_TRA_1PNPDE20100514_041938_000000452089_00248_42887_1257.N1	14-MAY-2010 04:19:38	Straylight	45.000	141	Bet Ara	2.8400	4600.0	90	42887	No
52	GOM_TRA_1PNPDE20100514_042207_000000522089_00248_42887_1258.N1	14-MAY-2010 04:22:07	Straylight	52.000	40	The Sco	1.8590	7100.0	104	42887	No
53	GOM_TRA_1PNPDE20100514_042359_000000542089_00248_42887_1259.N1	14-MAY-2010 04:23:59	Straylight	53.500	25	35Lam Sco	1.6200	28000.0	107	42887	No
54	GOM_TRA_1PNPDE20100514_042625_000000532089_00248_42887_1260.N1	14-MAY-2010 04:26:25	Straylight	52.500	75	26Eps Sco	2.2910	4250.0	105	42887	No
55	GOM_TRA_1PNPDE20100514_042935_000000612089_00248_42887_1261.N1	14-MAY-2010 04:29:35	Twilight	60.500	16	21Alp Sco	1.0200	3000.0	121	42887	No
56	GOM_TRA_1PNPDE20100514_043122_000000592089_00248_42887_1262.N1	14-MAY-2010 04:31:22	Bright	59.000	80	7Del Sco	2.3160	3000.0	118	42887	No
57	GOM_TRA_1PNPDE20100514_043406_000000412089_00248_42887_1263.N1	14-MAY-2010 04:34:06	Bright	40.500	122	9Alp2Lib	2.7470	9700.0	81	42887	No
58	GOM_TRA_1PNPDE20100514_043600_000000412089_00248_42887_1264.N1	14-MAY-2010 04:36:00	Bright	40.500	104	27Bet Lib	2.6140	13100.0	81	42887	No
59	GOM_TRA_1PNPDE20100514_043817_000000532089_00248_42887_1265.N1	14-MAY-2010 04:38:17	Bright	53.000	120	1Del Oph	2.7340	3200.0	106	42887	No
60	GOM_TRA_1PNPDE20100514_044130_000000472089_00248_42887_1266.N1	14-MAY-2010 04:41:30	Bright	46.500	102	24Alp Ser	2.6000	4250.0	93	42887	No
61	GOM_TRA_1PNPDE20100514_044702_000000422089_00248_42887_1267.N1	14-MAY-2010 04:47:02	Bright	42.000	83		2.3780	11000.0	84	42887	No
62	GOM_TRA_1PNPDE20100514_045010_000000382089_00248_42887_1268.N1	14-MAY-2010 04:50:10	Bright	38.000	180	27Gam Boo	3.0400	8000.0	76	42887	No
63	GOM_TRA_1PNPDE20100514_045900_000000442089_00248_42887_1269.N1	14-MAY-2010 04:59:00	Bright	44.000	119	14Eta Dra	2.7270	4700.0	88	42887	No
64	GOM_TRA_1PNPDE20100514_050955_000000472089_00248_42887_1274.N1	14-MAY-2010 05:09:55	Bright	47.000	89	5Alp Cep	2.4510	8000.0	94	42887	No
65	GOM_TRA_1PNPDE20100514_051317_000000482089_00248_42887_1275.N1	14-MAY-2010 05:13:17	Bright	47.500	74	11Bet Cas	2.2680	6600.0	95	42887	No
66	GOM_TRA_1PNPDE20100514_052327_000000562089_00248_42887_1276.N1	14-MAY-2010 05:23:27	Twilight	56.000	93	53Bet Peg	2.5200	3100.0	112	42887	No
67	GOM_TRA_1PNPDE20100514_052630_000000412089_00248_42887_1277.N1	14-MAY-2010 05:26:30	Twilight	41.000	140	88Gam Peg	2.8340	26000.0	82	42887	No
68	GOM_TRA_1PNPDE20100514_052801_000000562089_00248_42887_1278.N1	14-MAY-2010 05:28:01	Dark	55.500	90	54Alp Peg	2.4870	11000.0	111	42887	No
69	GOM_TRA_1PNPDE20100514_054132_000000492089_00248_42887_1279.N1	14-MAY-2010 05:41:32	Dark	48.500	18	24Alp PsA	1.1660	9700.0	97	42887	No
70	GOM_TRA_1PNPDE20100514_054723_000000432089_00248_42887_1280.N1	14-MAY-2010 05:47:23	Dark	43.000	31	Alp Gru	1.7340	15200.0	86	42887	No
71	GOM_TRA_1PNPDE20100514_055257_000000422089_00249_42888_1281.N1	14-MAY-2010 05:52:57	Dark	42.000	45	Alp Pav	1.9400	26000.0	84	42888	No

72	GOM_TRA_1PNPDE20100514_060014_000000452089_00249_42888_1282.N1	14-MAY-2010 06:00:14	Straylight	44.500	141	Bet Ara	2.8400	4600.0	89	42888	No
73	GOM_TRA_1PNPDE20100514_060243_000000522089_00249_42888_1283.N1	14-MAY-2010 06:02:43	Straylight	52.000	40	The Sco	1.8590	7100.0	104	42888	No
74	GOM_TRA_1PNPDE20100514_060435_000000552089_00249_42888_1284.N1	14-MAY-2010 06:04:35	Straylight	54.500	25	35Lam Sco	1.6200	28000.	109	42888	No
75	GOM_TRA_1PNPDE20100514_060701_000000522089_00249_42888_1285.N1	14-MAY-2010 06:07:01	Straylight	52.000	75	26Eps Sco	2.2910	4250.0	104	42888	No
76	GOM_TRA_1PNPDE20100514_061012_000000672089_00249_42888_1286.N1	14-MAY-2010 06:10:12	Twilight	67.000	16	21Alp Sco	1.0200	3000.0	134	42888	No
77	GOM_TRA_1PNPDE20100514_061158_000000572089_00249_42888_1287.N1	14-MAY-2010 06:11:58	Bright	57.000	80	7Del Sco	2.3160	30000.	114	42888	No
78	GOM_TRA_1PNPDE20100514_061442_000000382089_00249_42888_1288.N1	14-MAY-2010 06:14:42	Bright	38.000	122	9Alp2Lib	2.7470	9700.0	76	42888	No
79	GOM_TRA_1PNPDE20100514_061636_000000412089_00249_42888_1289.N1	14-MAY-2010 06:16:36	Bright	41.000	104	27Bet Lib	2.6140	13100.	82	42888	No
80	GOM_TRA_1PNPDE20100514_061853_000000532089_00249_42888_1290.N1	14-MAY-2010 06:18:53	Bright	52.500	120	1Del Oph	2.7340	3200.0	105	42888	No
81	GOM_TRA_1PNPDE20100514_062205_000000482089_00249_42888_1291.N1	14-MAY-2010 06:22:05	Bright	48.000	102	24Alp Ser	2.6000	4250.0	96	42888	No
82	GOM_TRA_1PNPDE20100514_062738_000000412089_00249_42888_1292.N1	14-MAY-2010 06:27:38	Bright	41.000	83		2.3780	11000.	82	42888	No
83	GOM_TRA_1PNPDE20100514_063046_000000382089_00249_42888_1293.N1	14-MAY-2010 06:30:46	Bright	37.500	180	27Gam Boo	3.0400	8000.0	75	42888	No
84	GOM_TRA_1PNPDE20100514_063935_000000432089_00249_42888_1294.N1	14-MAY-2010 06:39:35	Bright	42.500	119	14Eta Dra	2.7270	4700.0	85	42888	No
85	GOM_TRA_1PNPDE20100514_210813_000000522089_00258_42897_1385.N1	14-MAY-2010 21:08:13	Straylight	52.000	40	The Sco	1.8590	7100.0	104	42897	No
86	GOM_TRA_1PNPDE20100514_211005_000000522089_00258_42897_1386.N1	14-MAY-2010 21:10:05	Straylight	51.500	25	35Lam Sco	1.6200	28000.	103	42897	No
87	GOM_TRA_1PNPDE20100514_211229_000000542089_00258_42897_1387.N1	14-MAY-2010 21:12:29	Twilight	54.000	75	26Eps Sco	2.2910	4250.0	108	42897	No
88	GOM_TRA_1PNPDE20100514_211538_000000602089_00258_42897_1388.N1	14-MAY-2010 21:15:38	Twilight	60.000	16	21Alp Sco	1.0200	3000.0	120	42897	No
89	GOM_TRA_1PNPDE20100514_211817_000000492089_00258_42897_1389.N1	14-MAY-2010 21:18:17	Bright	48.500	97	8Bet1Sco	2.5610	30000.	97	42897	No
90	GOM_TRA_1PNPDE20100514_212200_000000412089_00258_42897_1390.N1	14-MAY-2010 21:22:00	Bright	41.000	104	27Bet Lib	2.6140	13100.	82	42897	No
91	GOM_TRA_1PNPDE20100514_212414_000000522089_00258_42897_1391.N1	14-MAY-2010 21:24:14	Bright	51.500	120	1Del Oph	2.7340	3200.0	103	42897	No
92	GOM_TRA_1PNPDE20100514_212726_000000452089_00258_42897_1392.N1	14-MAY-2010 21:27:26	Bright	45.000	102	24Alp Ser	2.6000	4250.0	90	42897	No
93	GOM_TRA_1PNPDE20100514_213259_000000392089_00258_42897_1393.N1	14-MAY-2010 21:32:59	Bright	38.500	83		2.3780	11000.	77	42897	No
94	GOM_TRA_1PNPDE20100514_213607_000000372089_00258_42897_1394.N1	14-MAY-2010 21:36:07	Bright	36.500	180	27Gam Boo	3.0400	8000.0	73	42897	No
95	GOM_TRA_1PNPDE20100514_214454_000000432089_00258_42897_1395.N1	14-MAY-2010 21:44:54	Bright	42.500	119	14Eta Dra	2.7270	4700.0	85	42897	No
96	GOM_TRA_1PNPDE20100514_215550_000000452089_00258_42897_1396.N1	14-MAY-2010 21:55:50	Bright	44.500	89	5Alp Cep	2.4510	8000.0	89	42897	No
97	GOM_TRA_1PNPDE20100514_215916_000000552089_00258_42897_1397.N1	14-MAY-2010 21:59:16	Bright	55.000	74	11Bet Cas	2.2680	6600.0	110	42897	No
98	GOM_TRA_1PNPDE20100514_220928_000000622089_00258_42897_1398.N1	14-MAY-2010 22:09:28	Twilight	61.500	93	53Bet Peg	2.5200	3100.0	123	42897	No
99	GOM_TRA_1PNPDE20100514_221232_000000422089_00258_42897_1399.N1	14-MAY-2010 22:12:32	Twilight	42.000	140	88Gam Peg	2.8340	26000.	84	42897	No
100	GOM_TRA_1PNPDE20100514_221405_000000532089_00258_42897_1400.N1	14-MAY-2010 22:14:05	Dark	52.500	90	54Alp Peg	2.4870	11000.	105	42897	No
101	GOM_TRA_1PNPDE20100514_222738_000000502089_00258_42897_1406.N1	14-MAY-2010 22:27:38	Dark	49.500	18	24Alp PsA	1.1660	9700.0	99	42897	No
102	GOM_TRA_1PNPDE20100514_223329_000000432089_00258_42897_1407.N1	14-MAY-2010 22:33:29	Dark	43.000	31	Alp Gru	1.7340	15200.	86	42897	No
103	GOM_TRA_1PNPDE20100514_223903_000000422089_00259_42898_1408.N1	14-MAY-2010 22:39:03	Dark	41.500	45	Alp Pav	1.9400	26000.	83	42898	No
104	GOM_TRA_1PNPDE20100514_224618_000000442089_00259_42898_1409.N1	14-MAY-2010 22:46:18	Straylight	43.500	141	Bet Ara	2.8400	4600.0	87	42898	No
105	GOM_TRA_1PNPDE20100514_224849_000000532089_00259_42898_1410.N1	14-MAY-2010 22:48:49	Straylight	53.000	40	The Sco	1.8590	7100.0	106	42898	No
106	GOM_TRA_1PNPDE20100514_225042_000000562089_00259_42898_1411.N1	14-MAY-2010 22:50:42	Straylight	55.500	25	35Lam Sco	1.6200	28000.	111	42898	No
107	GOM_TRA_1PNPDE20100514_225305_000000542089_00259_42898_1412.N1	14-MAY-2010 22:53:05	Twilight	53.500	75	26Eps Sco	2.2910	4250.0	107	42898	No
108	GOM_TRA_1PNPDE20100514_225614_000000592089_00259_42898_1413.N1	14-MAY-2010 22:56:14	Twilight	58.500	16	21Alp Sco	1.0200	3000.0	117	42898	No
109	GOM_TRA_1PNPDE20100514_225853_000000452089_00259_42898_1414.N1	14-MAY-2010 22:58:53	Bright	44.500	97	8Bet1Sco	2.5610	30000.	89	42898	No
110	GOM_TRA_1PNPDE20100514_230236_000000402089_00259_42898_1415.N1	14-MAY-2010 23:02:36	Bright	39.500	104	27Bet Lib	2.6140	13100.	79	42898	No
111	GOM_TRA_1PNPDE20100514_230450_000000512089_00259_42898_1416.N1	14-MAY-2010 23:04:50	Bright	51.000	120	1Del Oph	2.7340	3200.0	102	42898	No
112	GOM_TRA_1PNPDE20100514_230801_000000462089_00259_42898_1417.N1	14-MAY-2010 23:08:01	Bright	45.500	102	24Alp Ser	2.6000	4250.0	91	42898	No
113	GOM_TRA_1PNPDE20100514_231335_000000422089_00259_42898_1418.N1	14-MAY-2010 23:13:35	Bright	41.500	83		2.3780	11000.	83	42898	No
114	GOM_TRA_1PNPDE20100514_231643_000000382089_00259_42898_1419.N1	14-MAY-2010 23:16:43	Bright	38.000	180	27Gam Boo	3.0400	8000.0	76	42898	No
115	GOM_TRA_1PNPDE20100514_232530_000000422089_00259_42898_1420.N1	14-MAY-2010 23:25:30	Bright	42.000	119	14Eta Dra	2.7270	4700.0	84	42898	No
116	GOM_TRA_1PNPDE20100514_233625_000000442089_00259_42898_1421.N1	14-MAY-2010 23:36:25	Bright	43.500	89	5Alp Cep	2.4510	8000.0	87	42898	No
117	GOM_TRA_1PNPDE20100514_233951_000000372089_00259_42898_1422.N1	14-MAY-2010 23:39:51	Bright	36.500	74	11Bet Cas	2.2680	6600.0	73	42898	No
118	GOM_TRA_1PNPDE20100514_235004_000000572089_00259_42898_1423.N1	14-MAY-2010 23:50:04	Twilight	57.000	93	53Bet Peg	2.5200	3100.0	114	42898	No
119	GOM_TRA_1PNPDE20100514_235308_000000432089_00259_42898_1424.N1	14-MAY-2010 23:53:08	Twilight	42.500	140	88Gam Peg	2.8340	26000.	85	42898	No
120	GOM_TRA_1PNPDE20100514_235442_000000532089_00259_42898_1425.N1	14-MAY-2010 23:54:42	Dark	52.500	90	54Alp Peg	2.4870	11000.	105	42898	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).

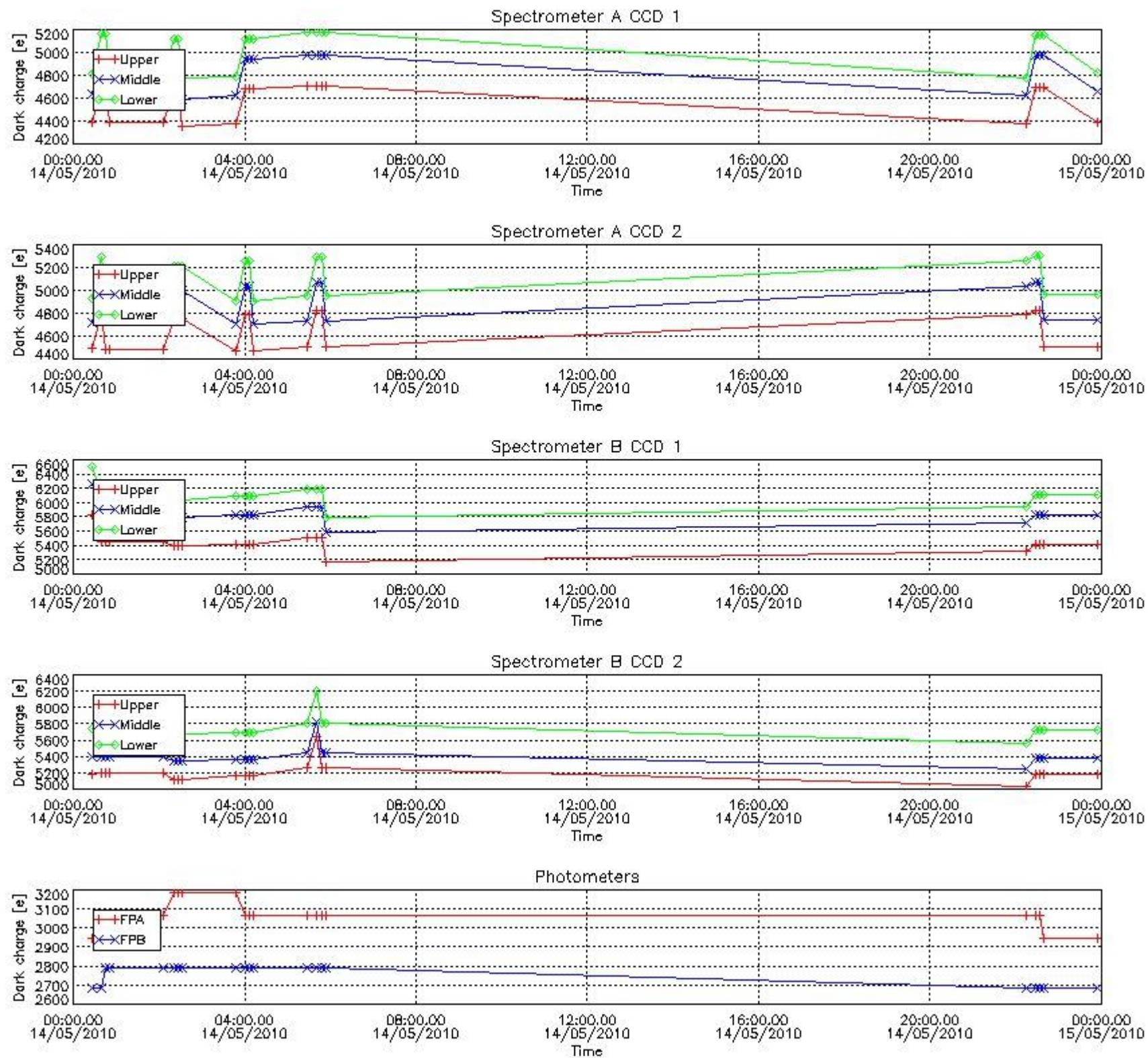
In this section a list of products that did not use the Dark Sky Area (DSA) observation for the DC computation is given. It is also provided the mean DC plot per product for dark limb products with no error flag set.

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

Product name	DC information
GOM_TRA_1PNPDE20100514_210813_000000522089_00258_42897_1385.N1	DC map with no T dep.
GOM_TRA_1PNPDE20100514_211005_000000522089_00258_42897_1386.N1	DC map used
GOM_TRA_1PNPDE20100514_211229_000000542089_00258_42897_1387.N1	DC map used
GOM_TRA_1PNPDE20100514_211538_000000602089_00258_42897_1388.N1	DC map used
GOM_TRA_1PNPDE20100514_211817_000000492089_00258_42897_1389.N1	DC map used
GOM_TRA_1PNPDE20100514_212200_000000412089_00258_42897_1390.N1	DC map used
GOM_TRA_1PNPDE20100514_212414_000000522089_00258_42897_1391.N1	DC map used
GOM_TRA_1PNPDE20100514_212726_000000452089_00258_42897_1392.N1	DC map used
GOM_TRA_1PNPDE20100514_213259_000000392089_00258_42897_1393.N1	DC map used
GOM_TRA_1PNPDE20100514_213607_000000372089_00258_42897_1394.N1	DC map used
GOM_TRA_1PNPDE20100514_214454_000000432089_00258_42897_1395.N1	DC map used
GOM_TRA_1PNPDE20100514_215550_000000452089_00258_42897_1396.N1	DC map used
GOM_TRA_1PNPDE20100514_215916_000000552089_00258_42897_1397.N1	DC map used
GOM_TRA_1PNPDE20100514_220928_000000622089_00258_42897_1398.N1	DC map used

GOM_TRA_1PNPDE20100514_221232_000000422089_00258_42897_1399.N1	DC map used
GOM_TRA_1PNPDE20100514_221405_000000532089_00258_42897_1400.N1	DC map used

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



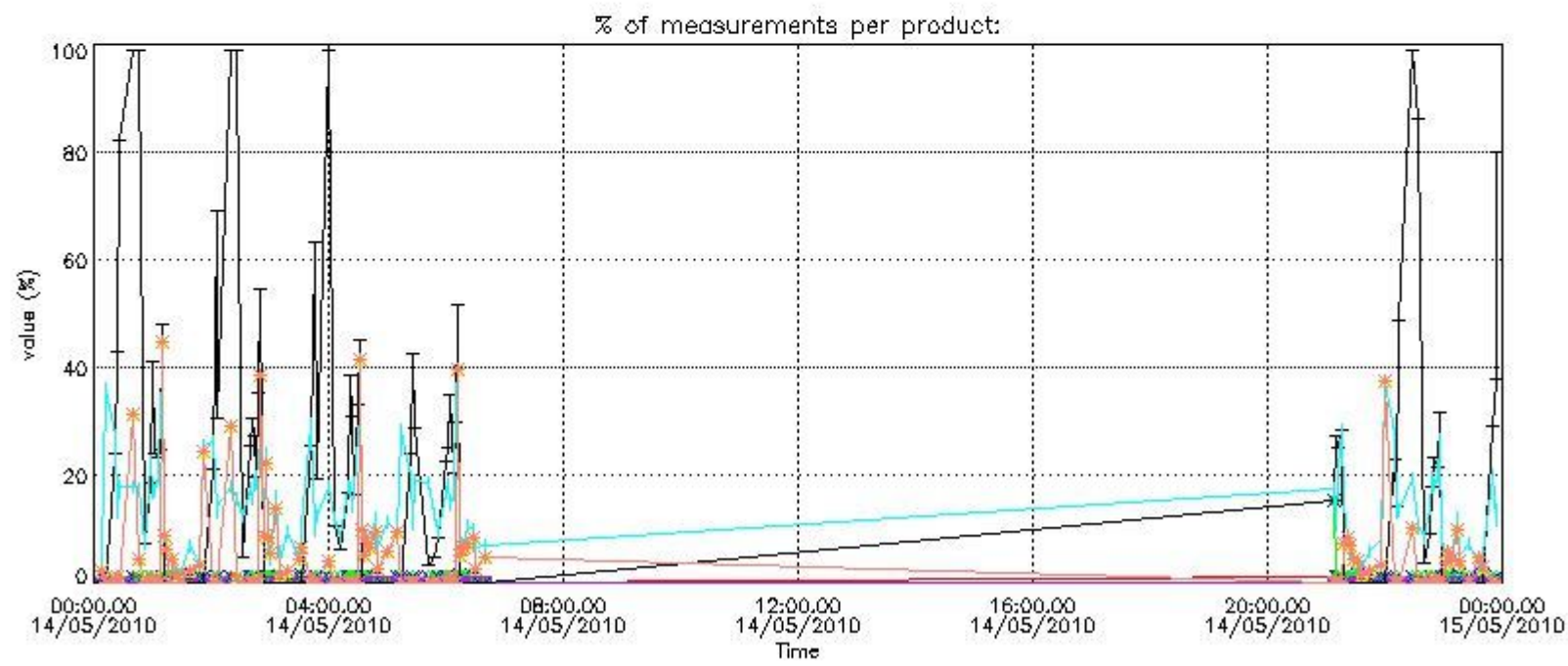
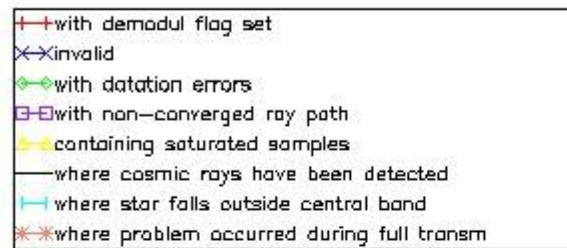
5. Demodulation flag and quality information monitoring

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.

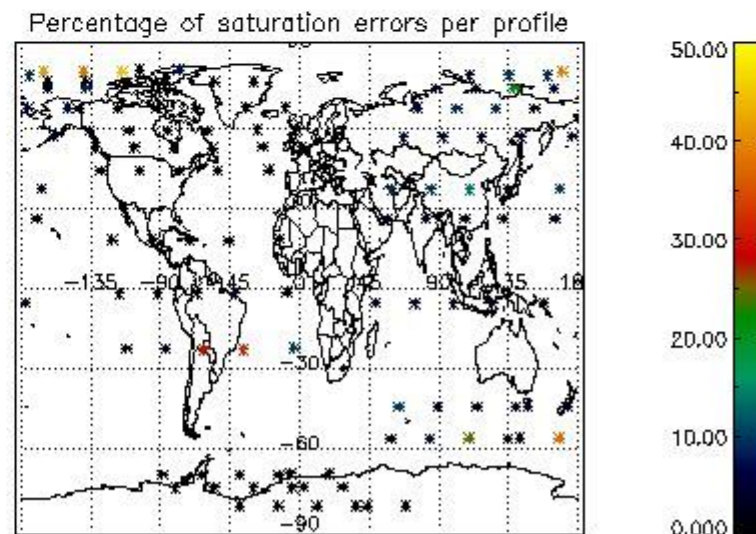
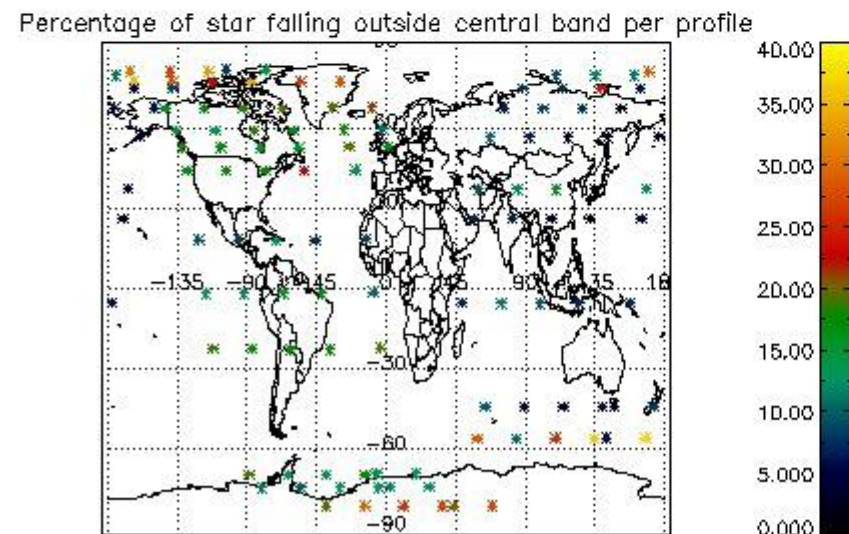
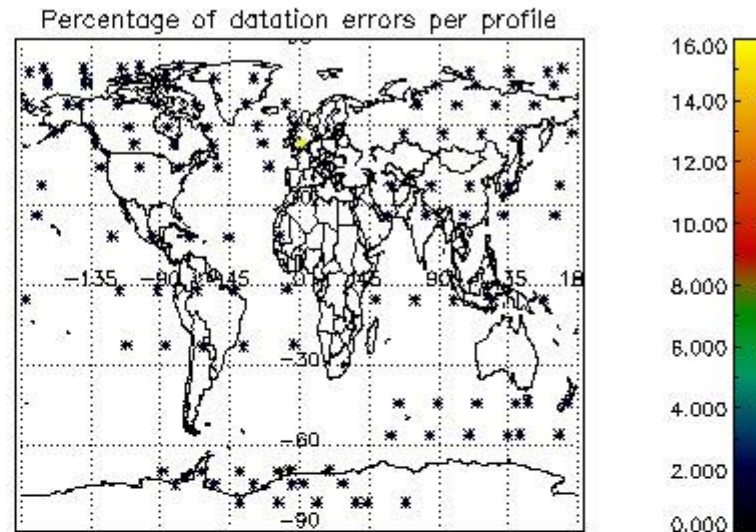
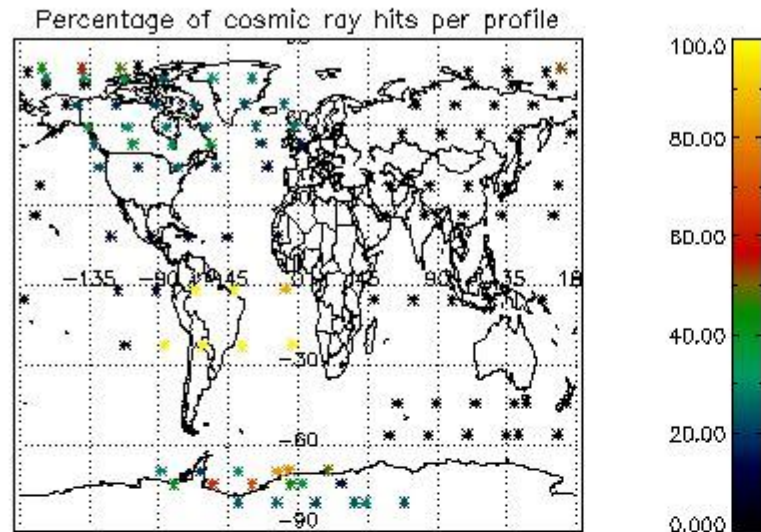
5.1 Percentage of products during reporting period with:

At least one measurement with demodulation flag set:	45.0000 %
Reference spectrum computed from DB:	0.00000 %
Reference spectrum with small number of measurements:	0.00000 %
SATU data not used:	0.00000 %

5.2 Plot quality information per product (time dependant)



5.3 Plot quality information per product (world map)



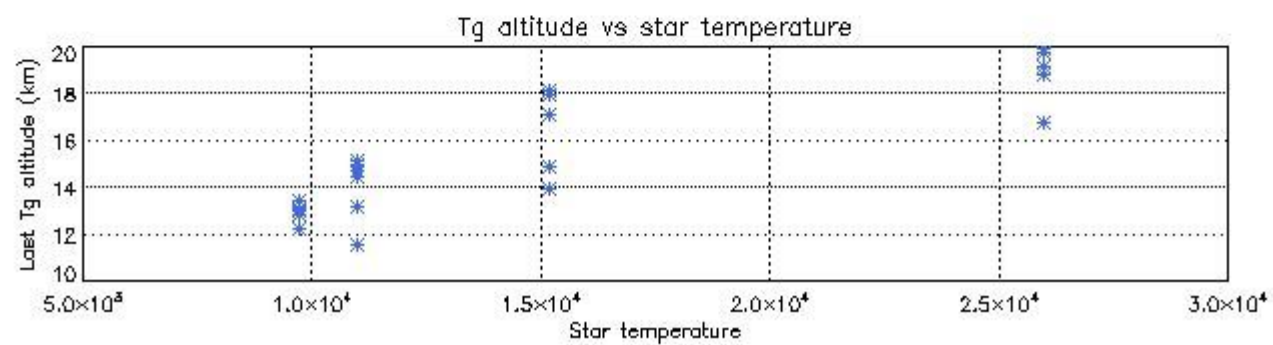
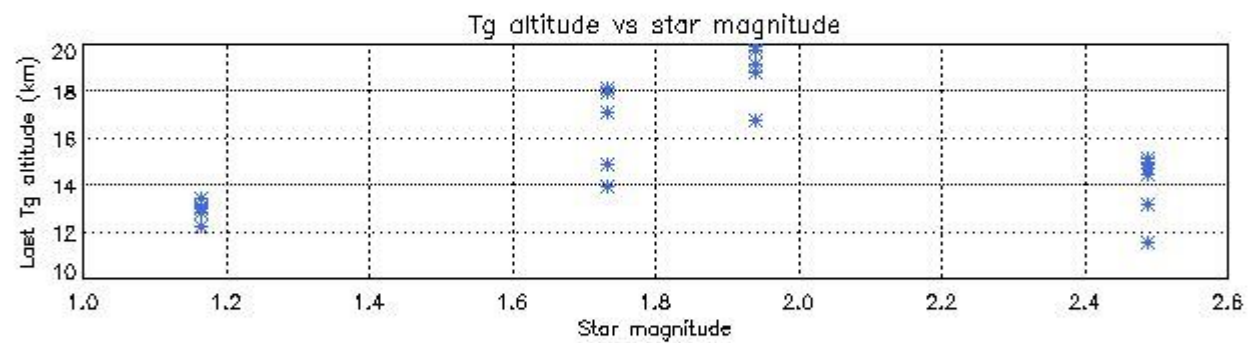
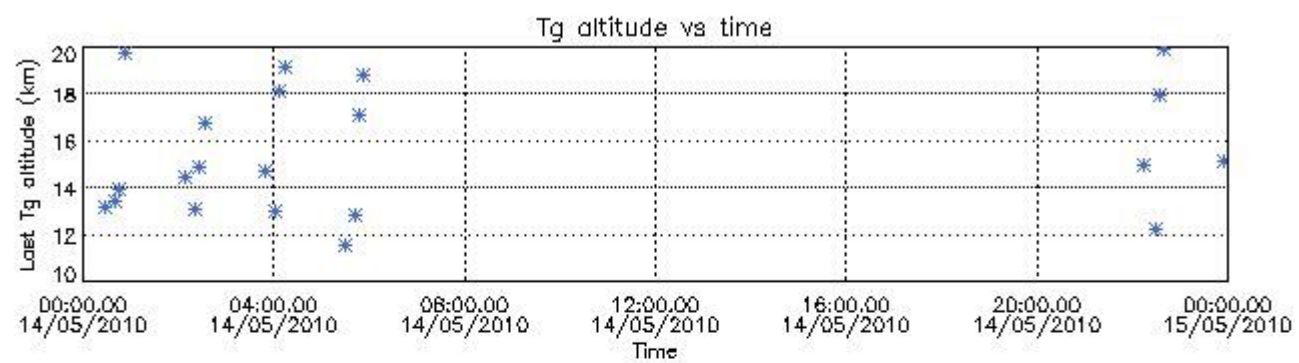
6. Statistics and plot of tangent altitude of the last measurement (DARK & BRIGHT products without errors)

6.1 Statistics on tangent altitude lost:

Statistics	DARK	BRIGHT	TWILIGHT
Mean:	15.462	18.476	15.174
St. deviation:	2.6455	5.4840	0.75952
Maximum:	19.905	30.623	16.316
Minimum:	11.542	3.6102	14.514
Number of data:	21.000	58.000	6.0000

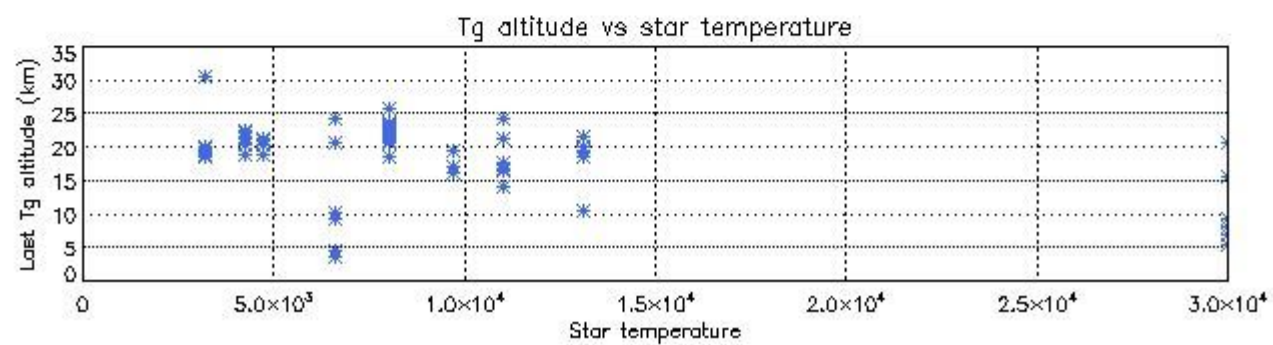
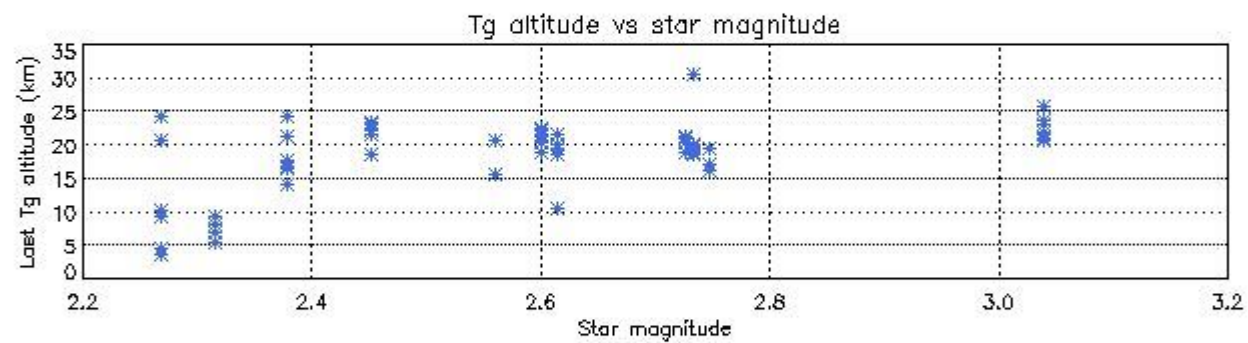
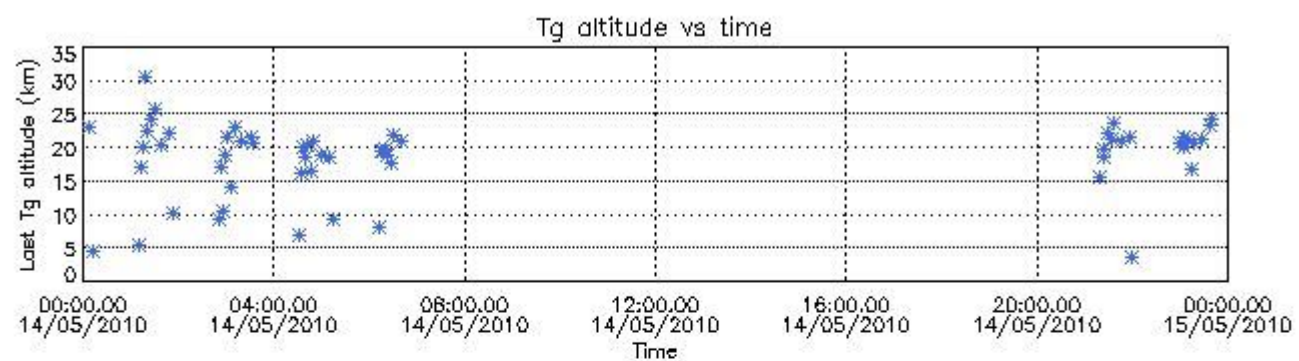
6.2 Plot for DARK limb products

Tangent altitude at which the star is lost



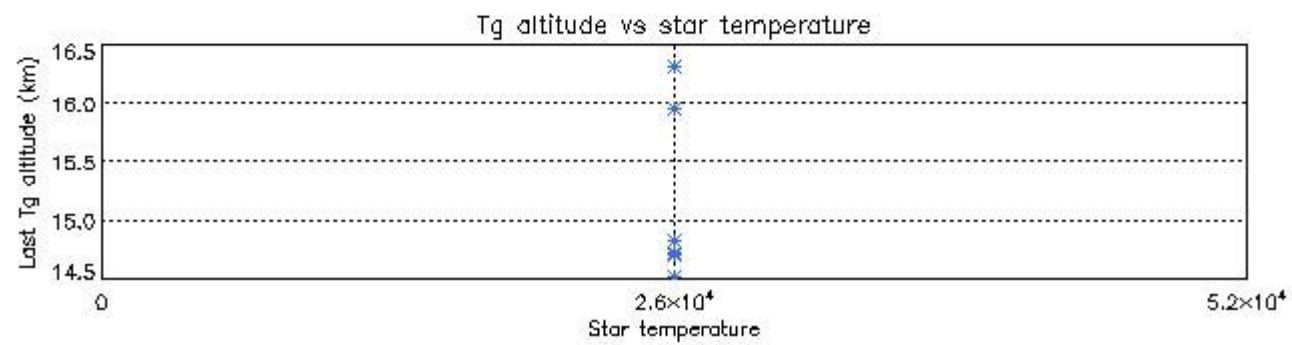
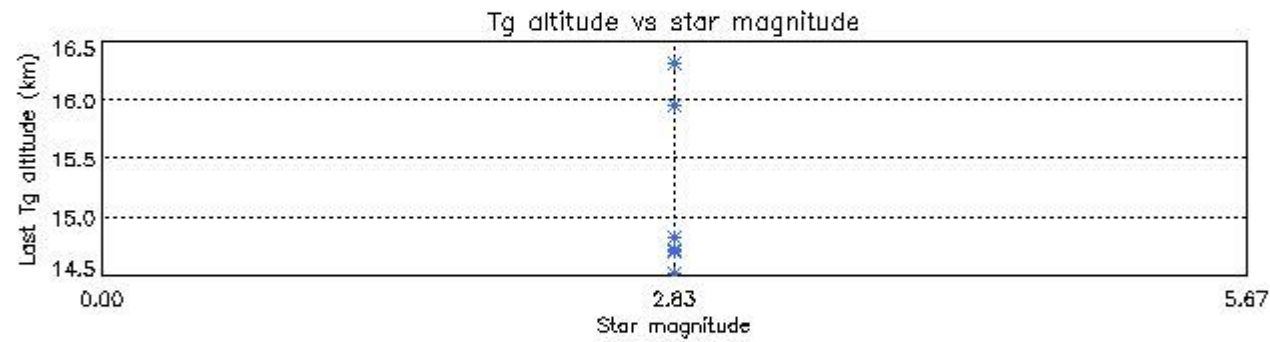
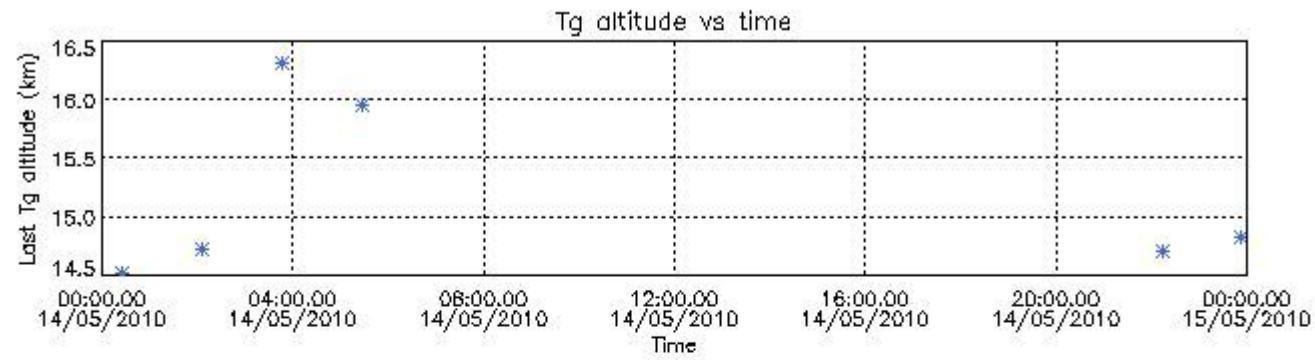
6.3 Plot for BRIGHT limb products

Tangent altitude at which the star is lost



6.3 Plot for TWILIGHT limb products

Tangent altitude at which the star is lost

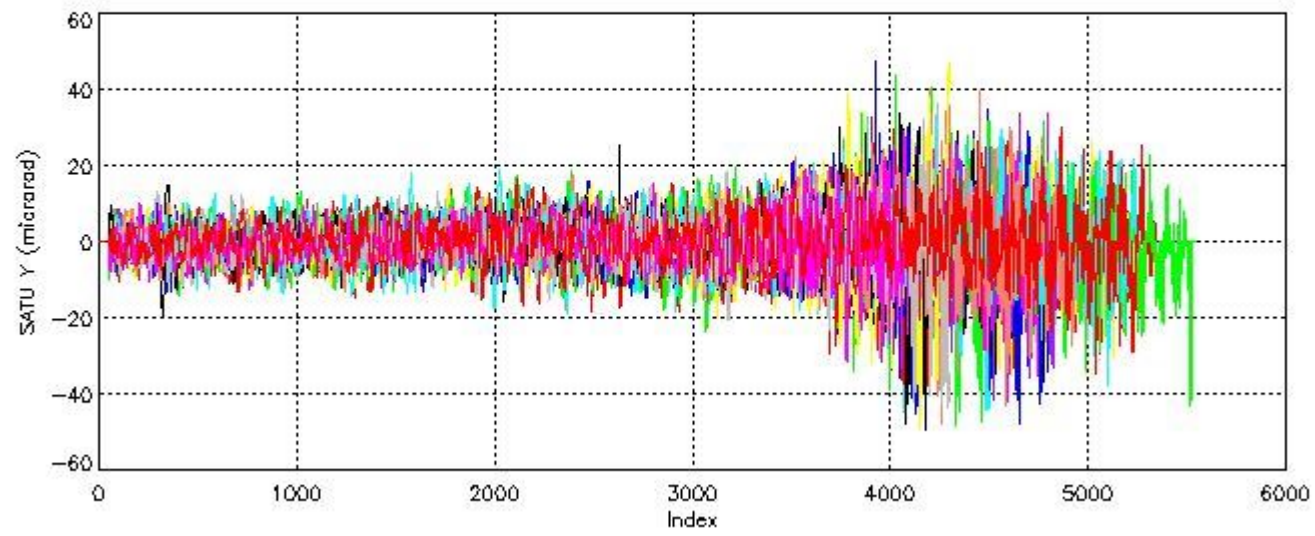
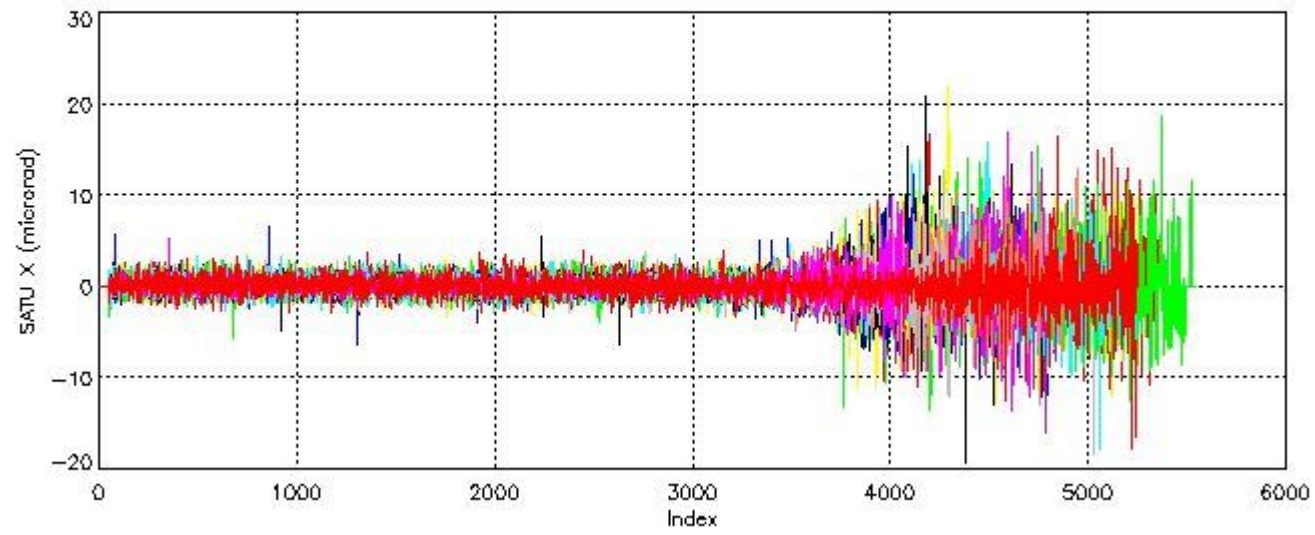


7. Star Acquisition and Tracking Unit (SATU)

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:	0.18995	-0.77700	0.22877	-0.79426
St. deviation:	0.61378	3.9600	0.89160	4.0531
Maximum:	6.5000	14.800	5.4000	16.200
Minimum:	-5.8000	-19.500	-4.7000	-19.200

Number of data:	21800.	21800.	58650.	58650.
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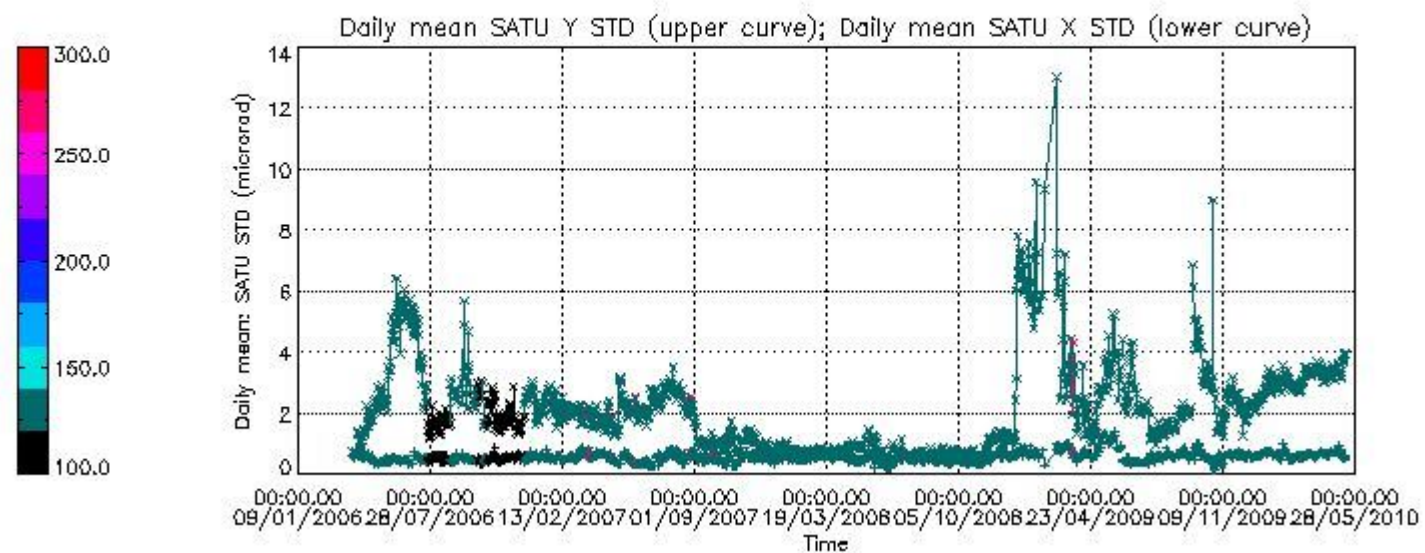
7.2.2 Trend of daily SATU NEA St. deviation since 1st April 2006 (dark limb)

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

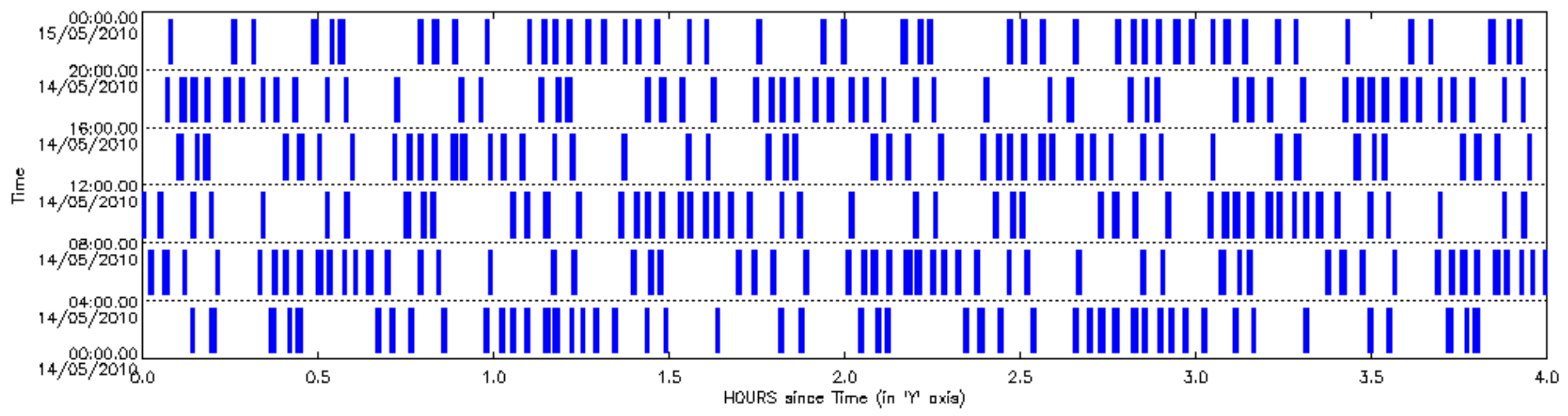
Lower curve: STD of SATU X axis

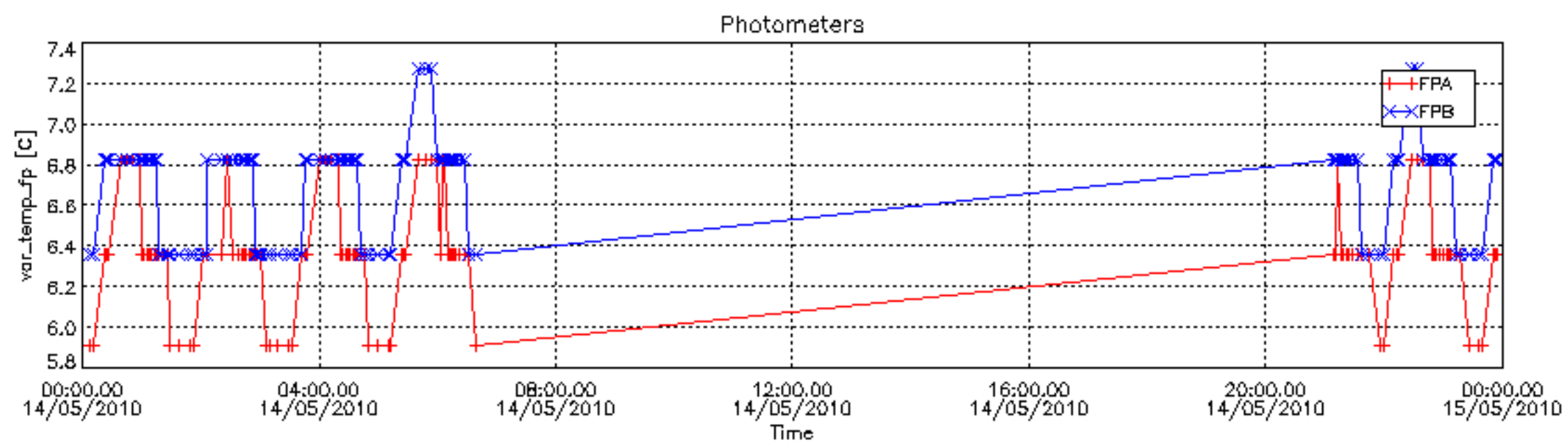
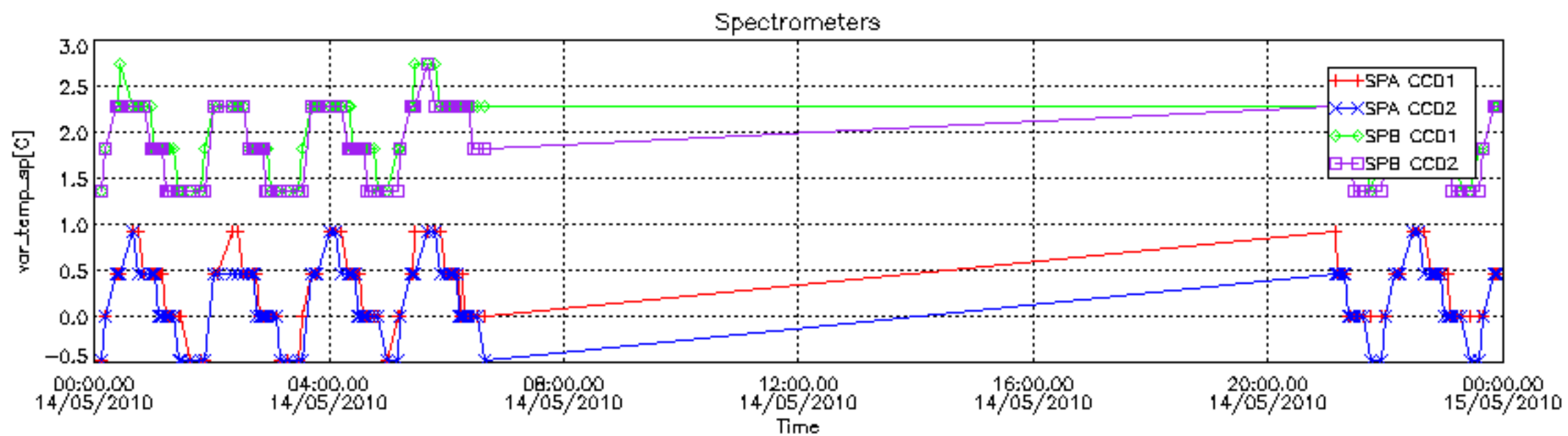


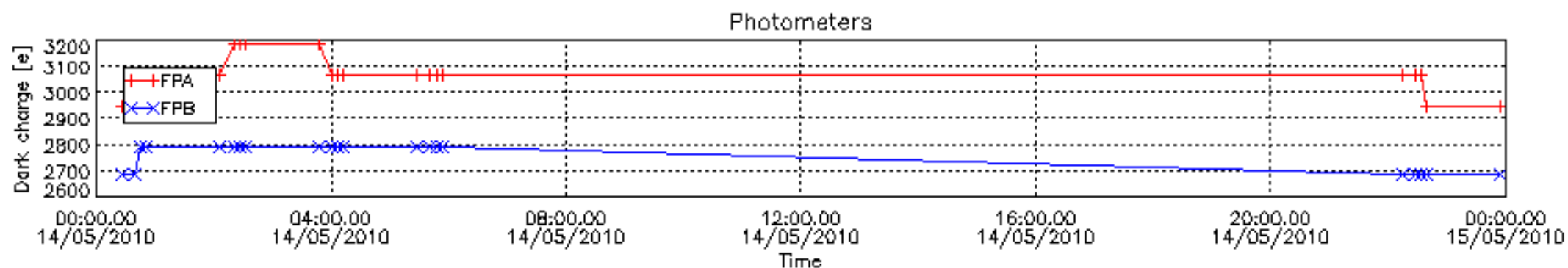
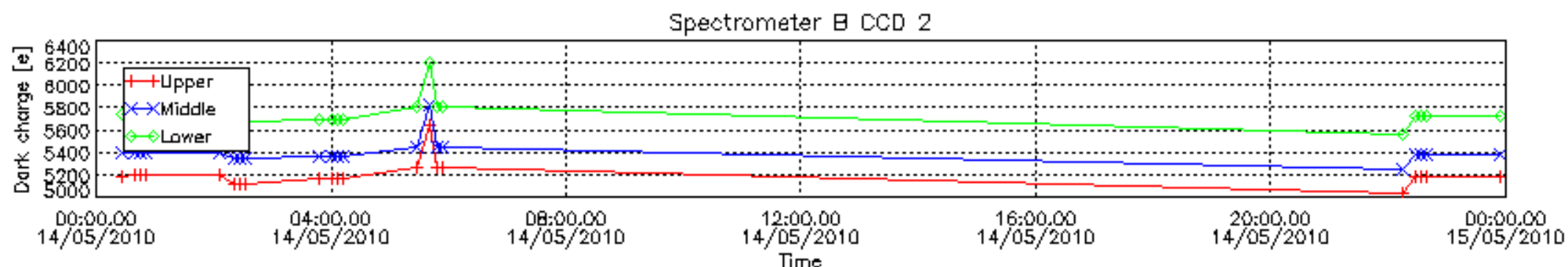
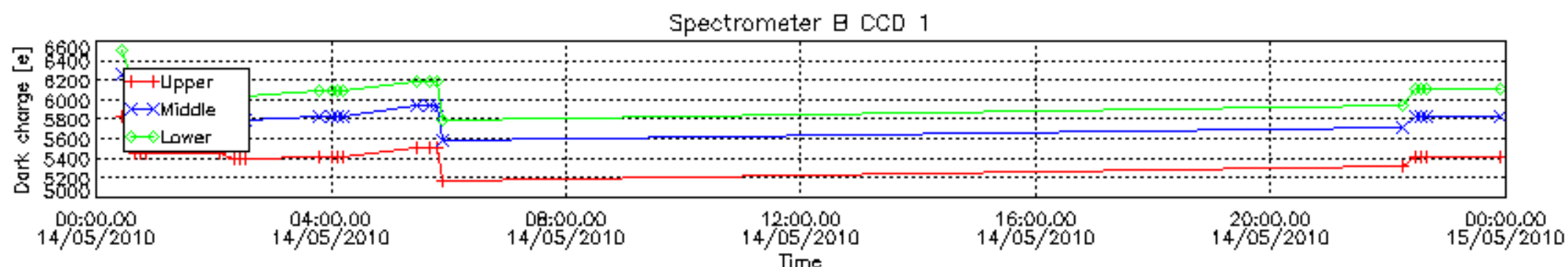
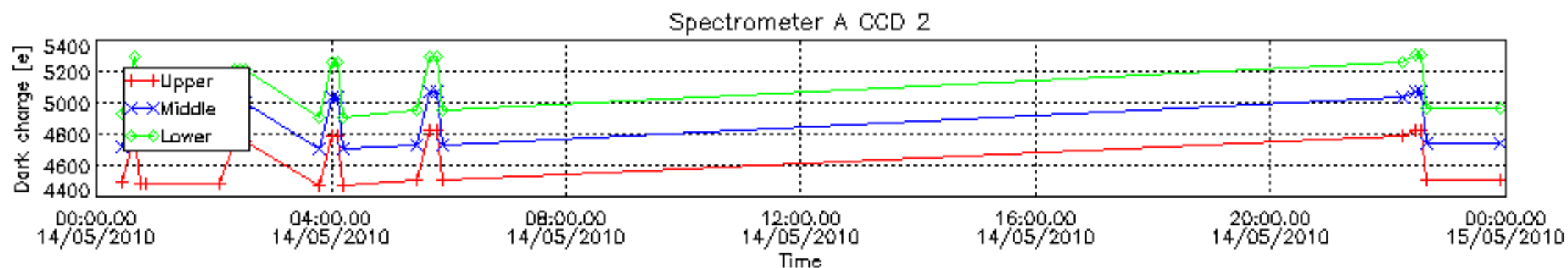
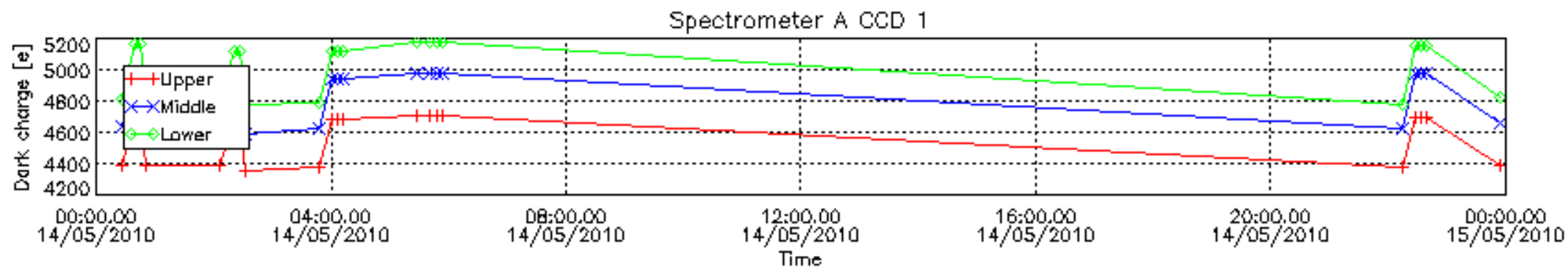
8. Auxiliary Data Files used for the production reported in section 2.4

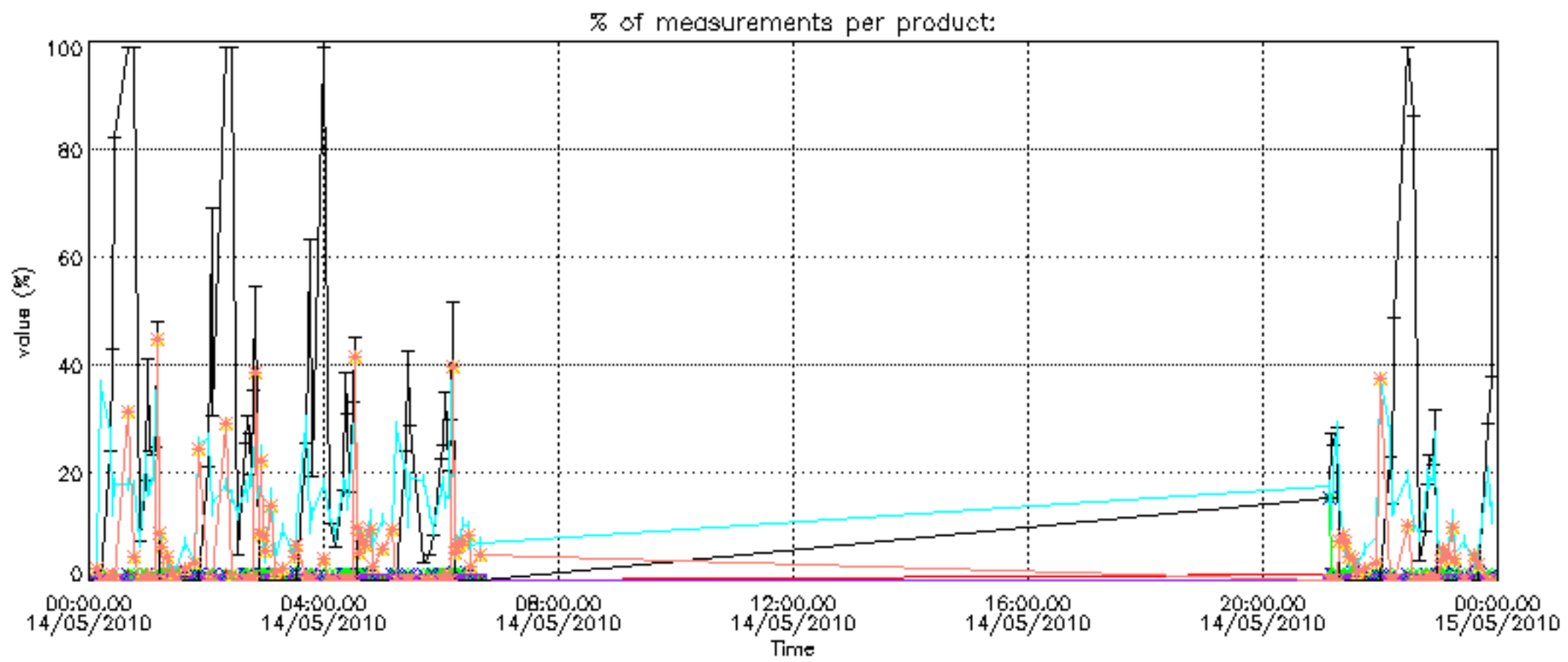
The number reported in the third column indicates since which file (see list in section 2.4) the corresponding auxiliary file has been used. The fourth column is the date of those product files.

Type	Auxiliary Filename	Used since product	Used since product date
INST_PHYS_CHARACTERISTICS	GOM_INS_AXVIEC20091111_143220_20030716_120000_20500101_000000	1	14-MAY-2010 00:08:08
CALIBRATION_DATABASE	GOM_CAL_AXVIEC20100504_084318_20100501_000000_20500101_000000	1	14-MAY-2010 00:08:08
CALIBRATION_DATABASE	GOM_CAL_AXVIEC20100511_095212_20100509_000000_20500101_000000	85	14-MAY-2010 21:08:13
LEVEL-1B_PROC_CONFIG	GOM_PR1_AXVIEC20091111_145255_20020301_000000_20500101_000000	1	14-MAY-2010 00:08:08
STAR_CATALOGUE	GOM_CAT_AXVIEC20020121_161009_20020101_000000_20200101_000000	1	14-MAY-2010 00:08:08
STELLAR_SPECTRA_DATABANK	GOM_STS_AXVIEC20091111_151504_20020101_160000_20500101_000000	1	14-MAY-2010 00:08:08
ECMWF_FILE	AUX_ECF_AXNECM20100513_054112_20100513_210000_20100514_090000	1	14-MAY-2010 00:08:08
ECMWF_FILE	AUX_ECF_AXNECM20100513_172805_20100514_030000_20100514_150000	43	14-MAY-2010 03:29:19
ECMWF_FILE	AUX_ECA_AXNECM20100514_054114_20100513_210000_20100514_090000	64	14-MAY-2010 05:09:55
ECMWF_FILE	AUX_ECF_AXNECM20100514_054116_20100514_210000_20100515_090000	85	14-MAY-2010 21:08:13
OPTIONAL_ECMWF_FILE	MISSING	1	14-MAY-2010 00:08:08
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20100513_225043_000057382089_00244_42883_0344.N1	1	14-MAY-2010 00:08:08
ORBIT_DATA_FILE	AUX_FPO_AXVPDS20100513_090805_20100512_183515_20100522_200129	6	14-MAY-2010 00:39:41
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20100514_050758_000054192089_00248_42887_0348.N1	64	14-MAY-2010 05:09:55
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20100514_210420_000041442089_00258_42897_0349.N1	85	14-MAY-2010 21:08:13
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20100514_221843_000057382089_00258_42897_0350.N1	101	14-MAY-2010 22:27:38

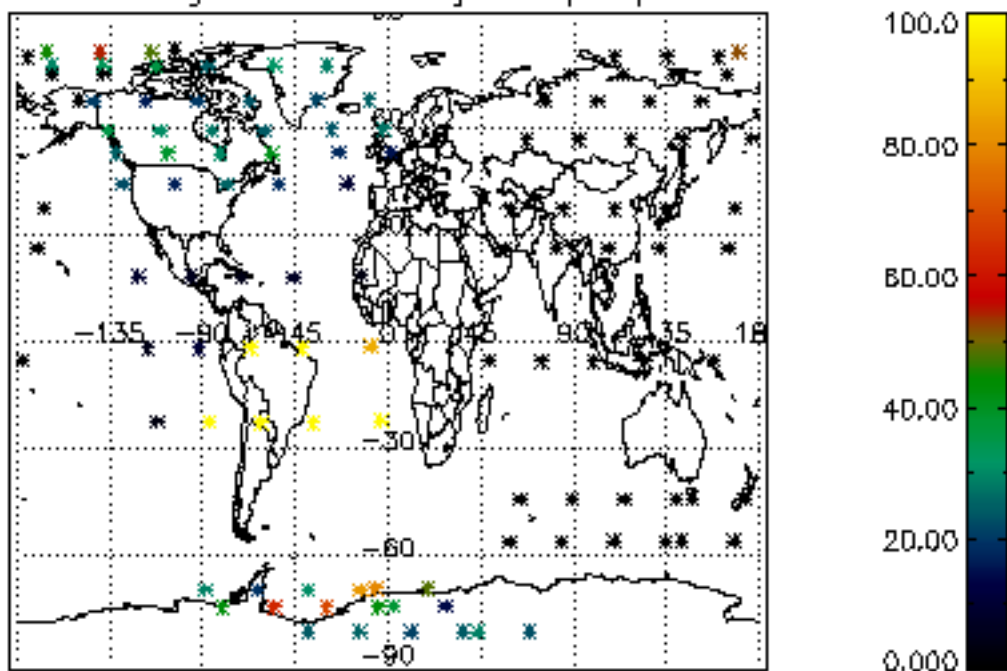




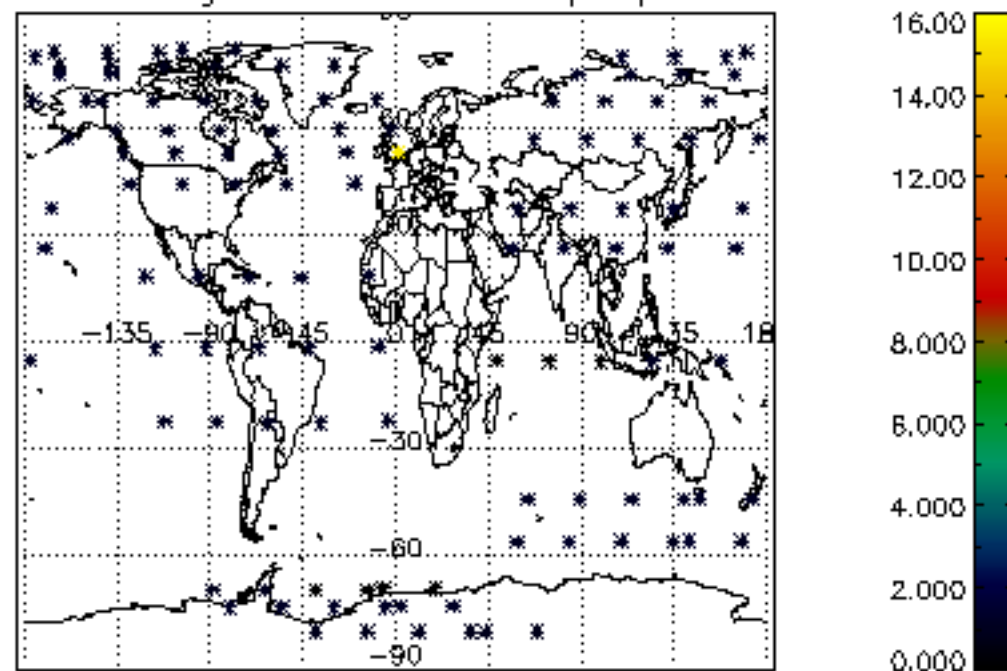




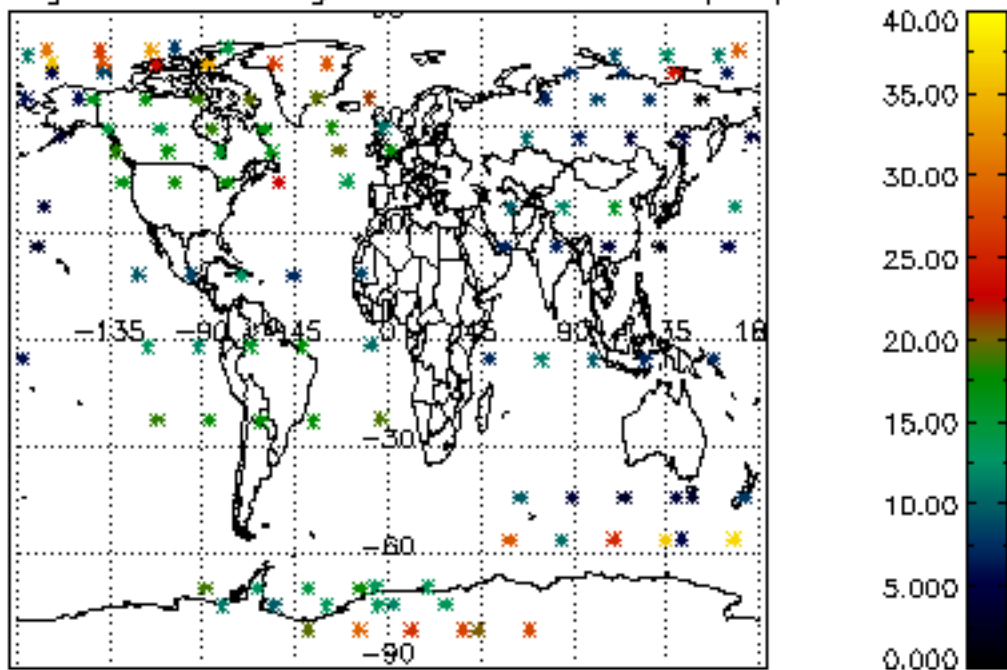
Percentage of cosmic ray hits per profile



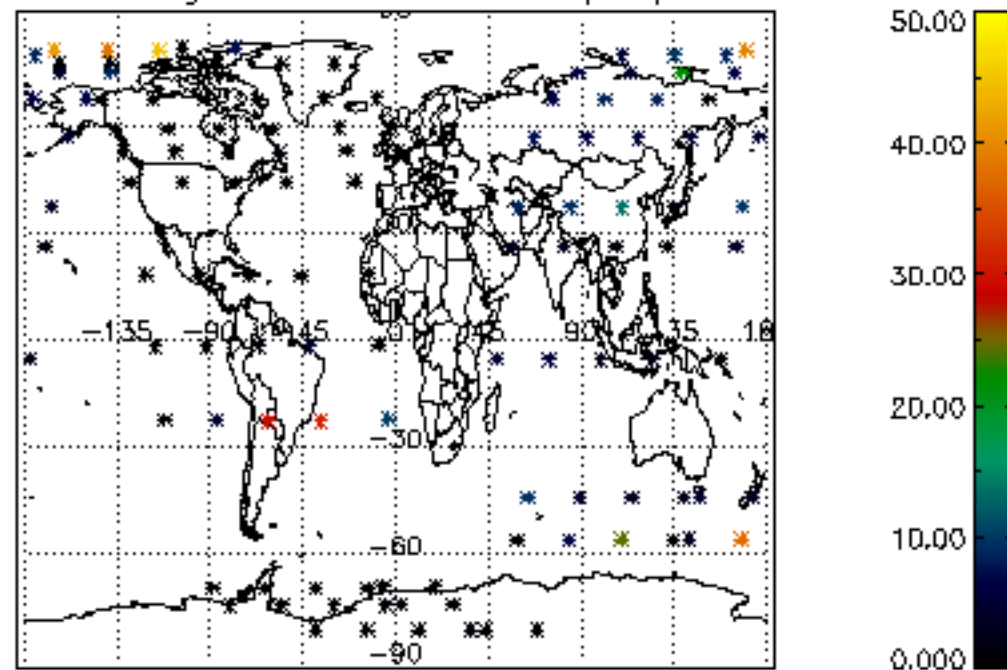
Percentage of datation errors per profile



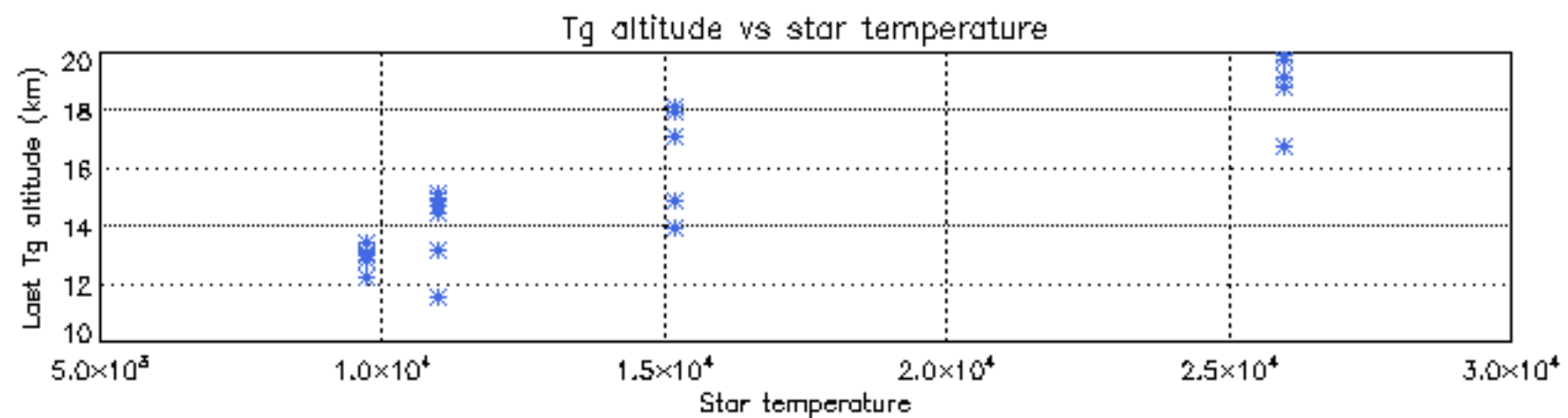
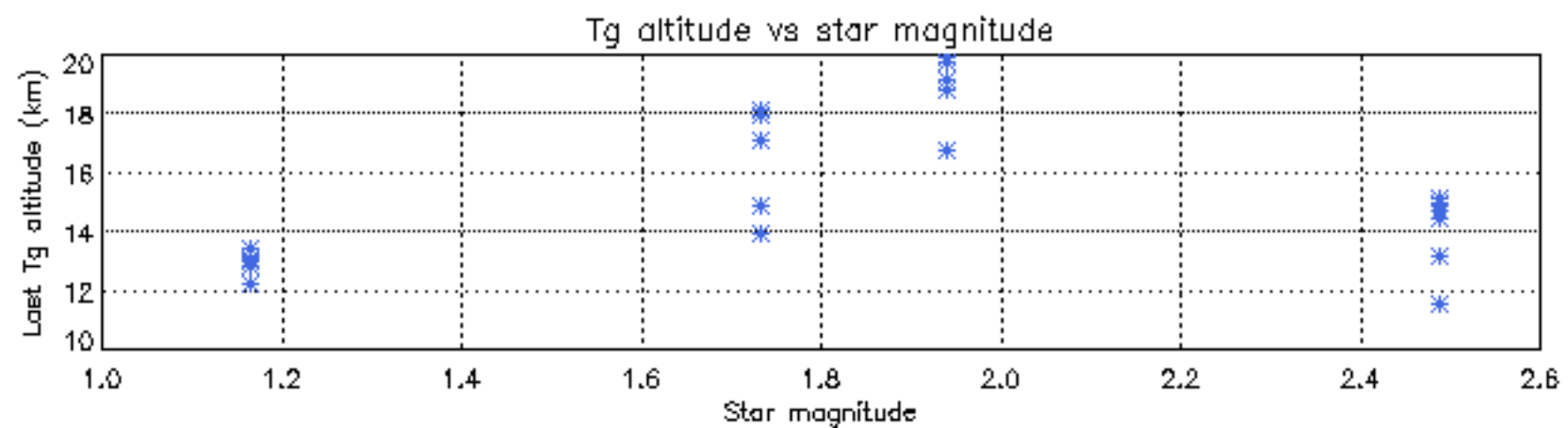
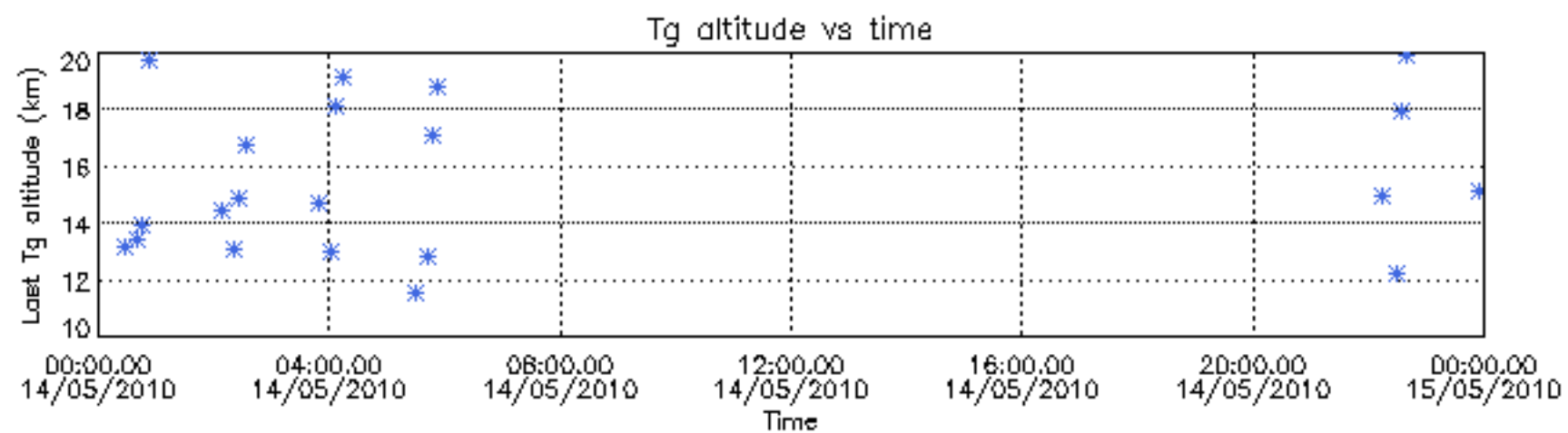
Percentage of star falling outside central band per profile



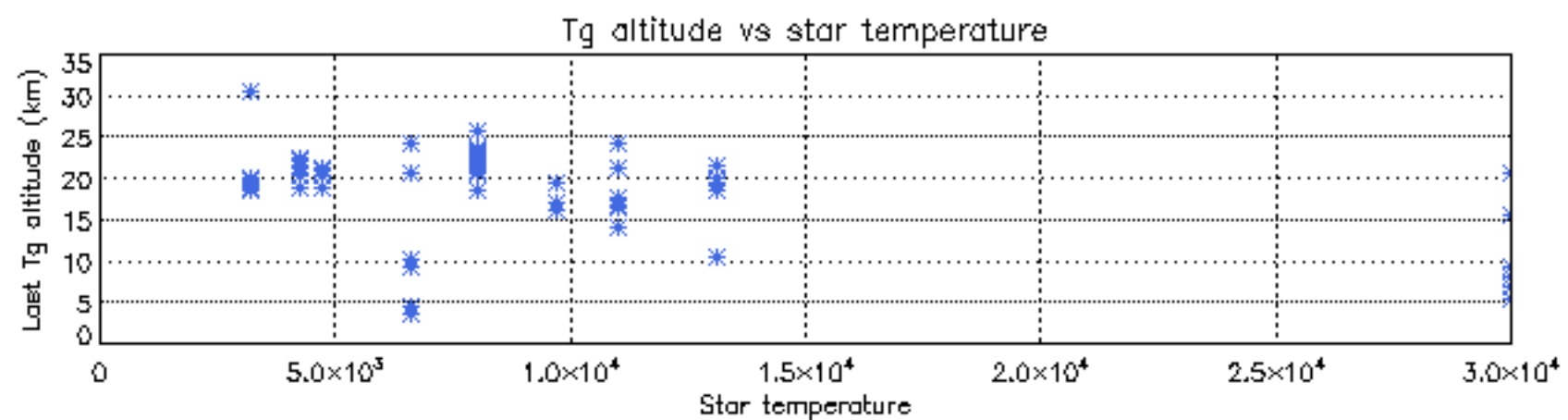
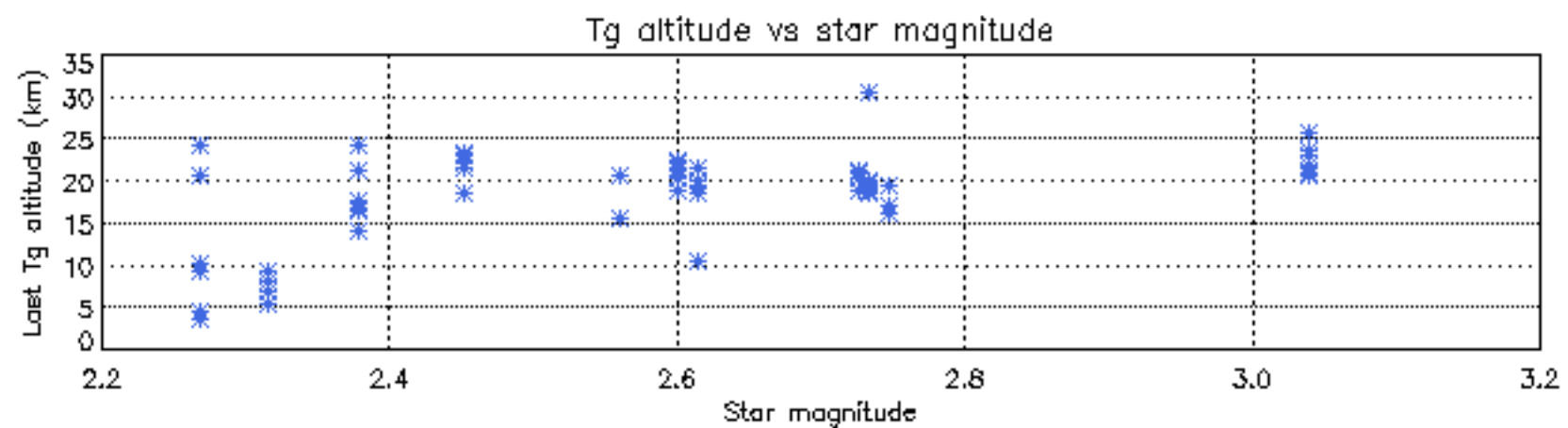
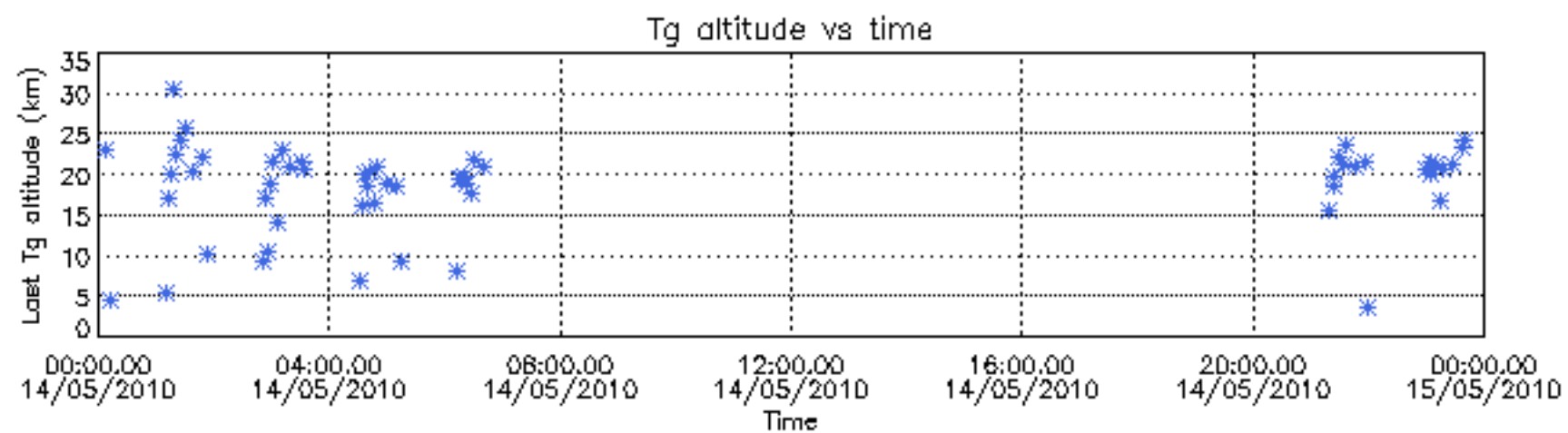
Percentage of saturation errors per profile



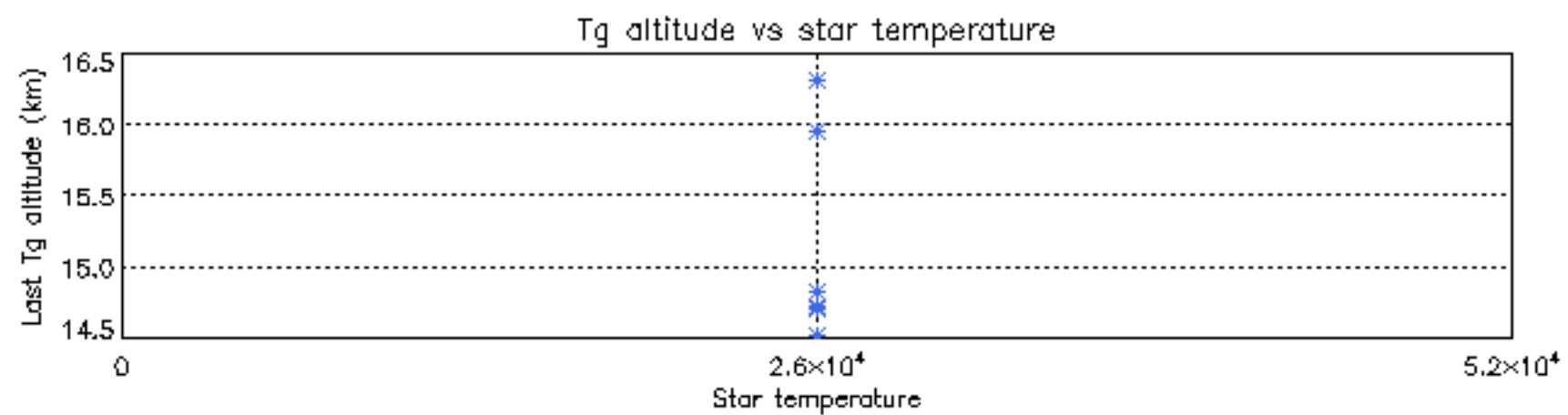
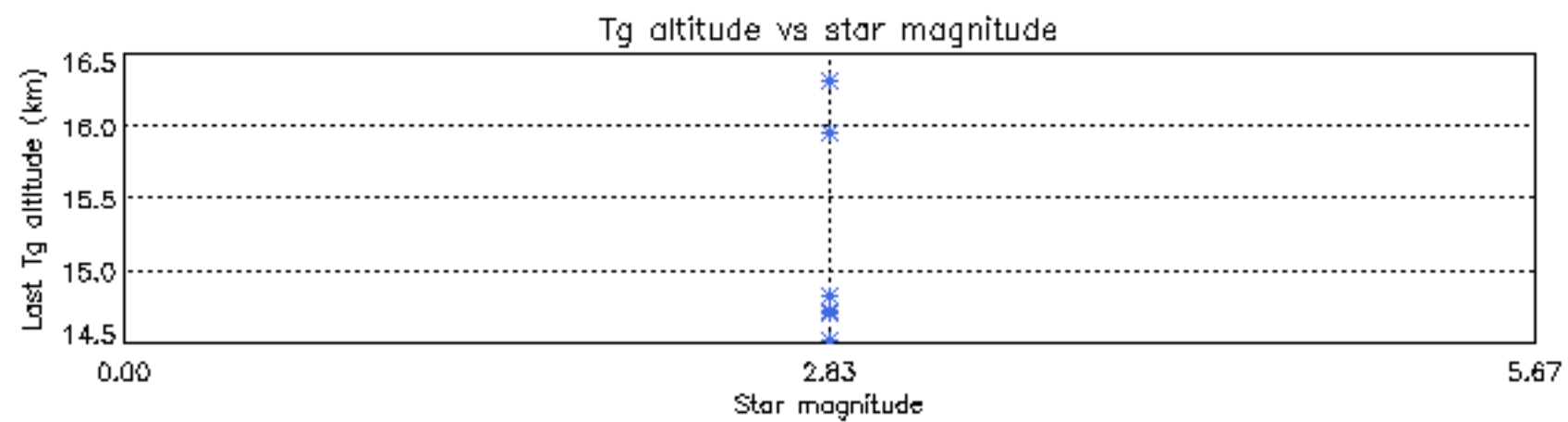
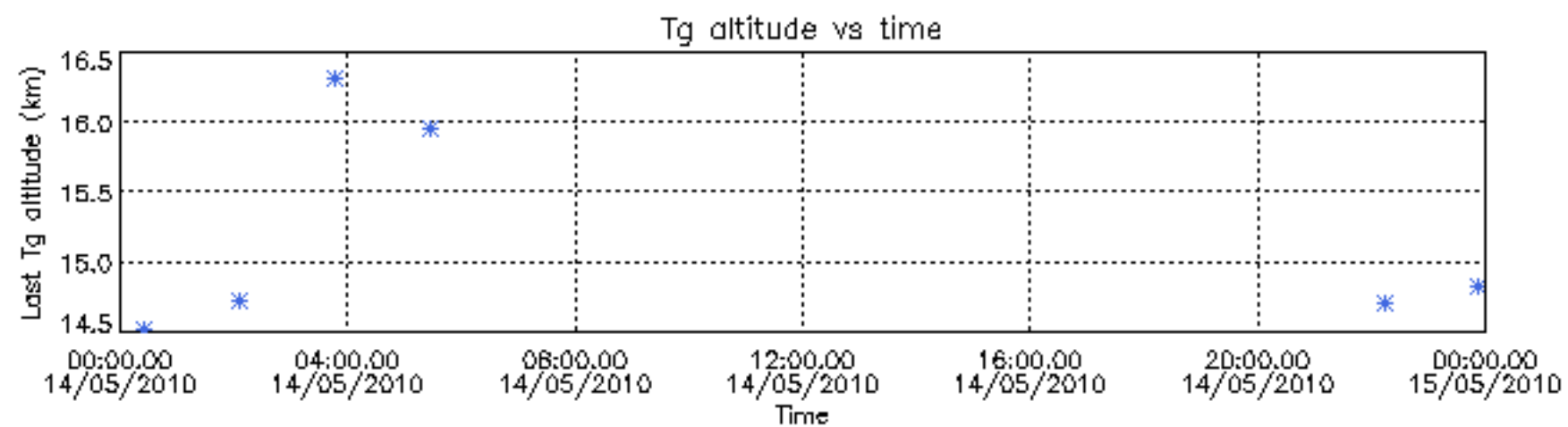
Tangent altitude at which the star is lost

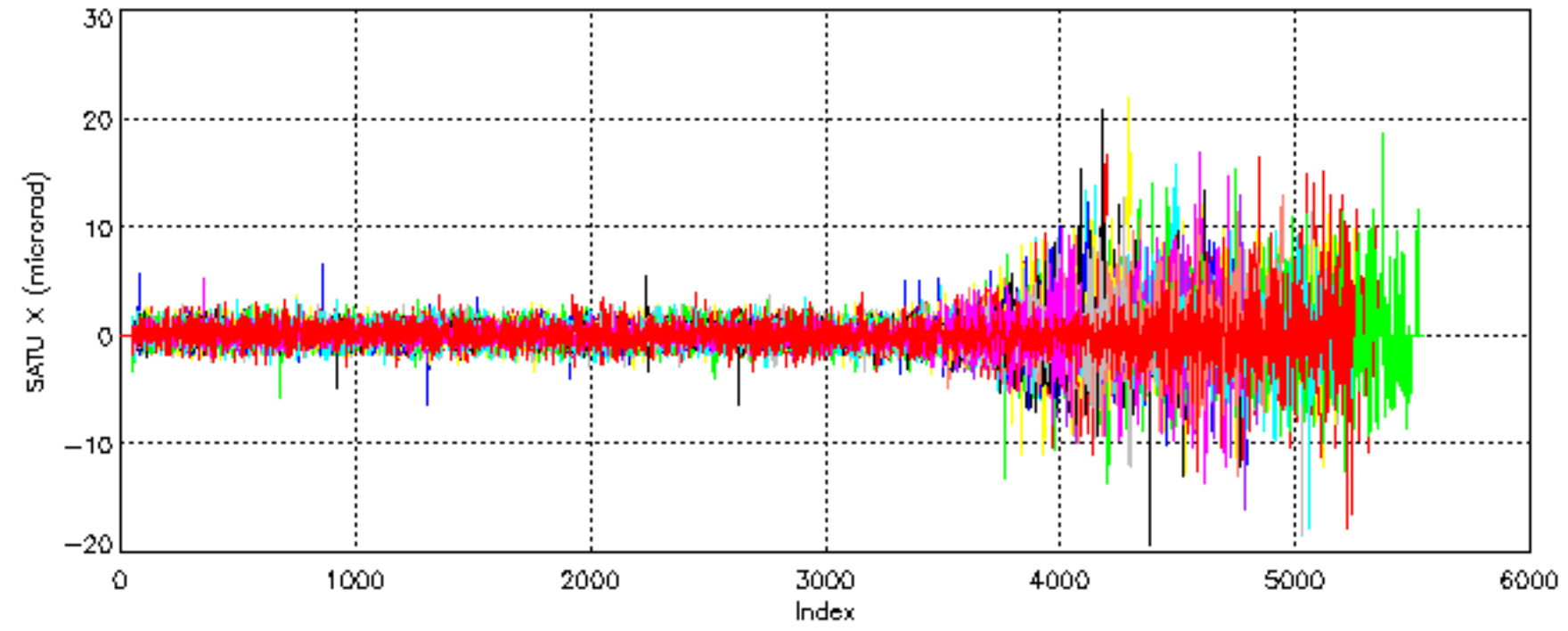


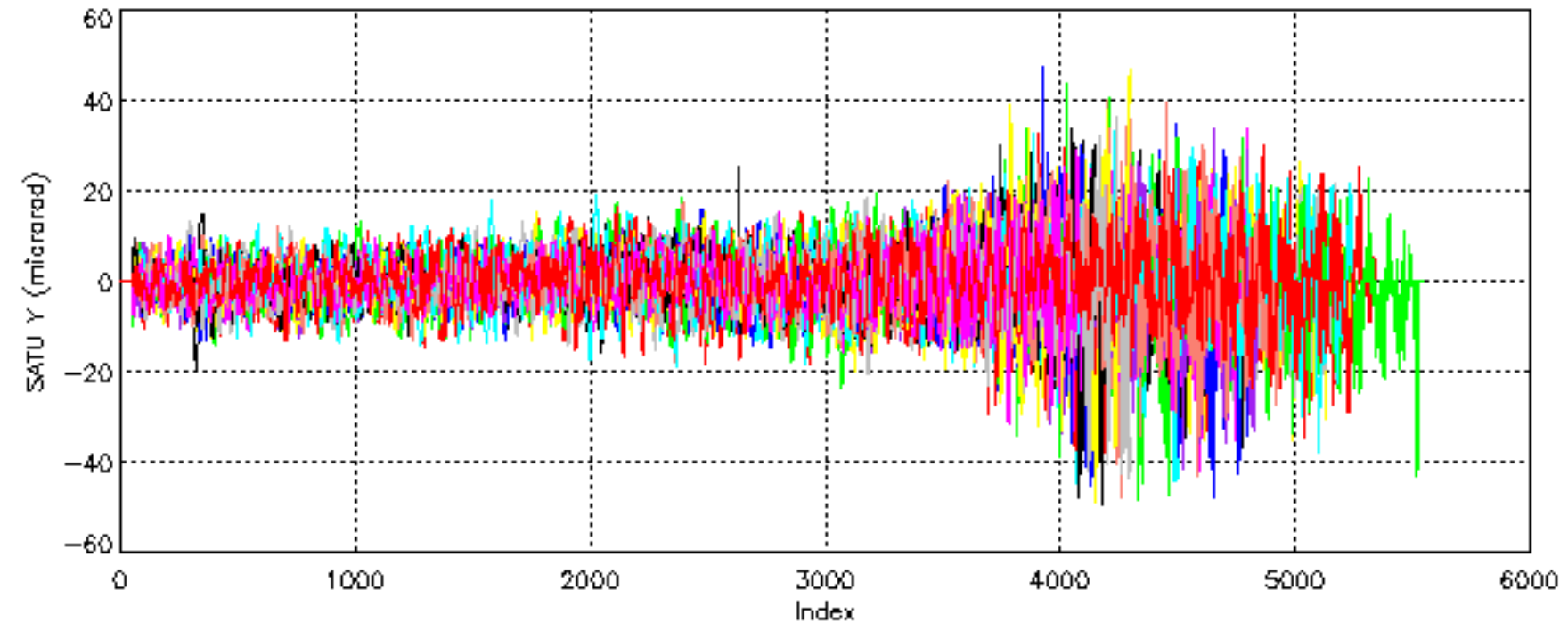
Tangent altitude at which the star is lost

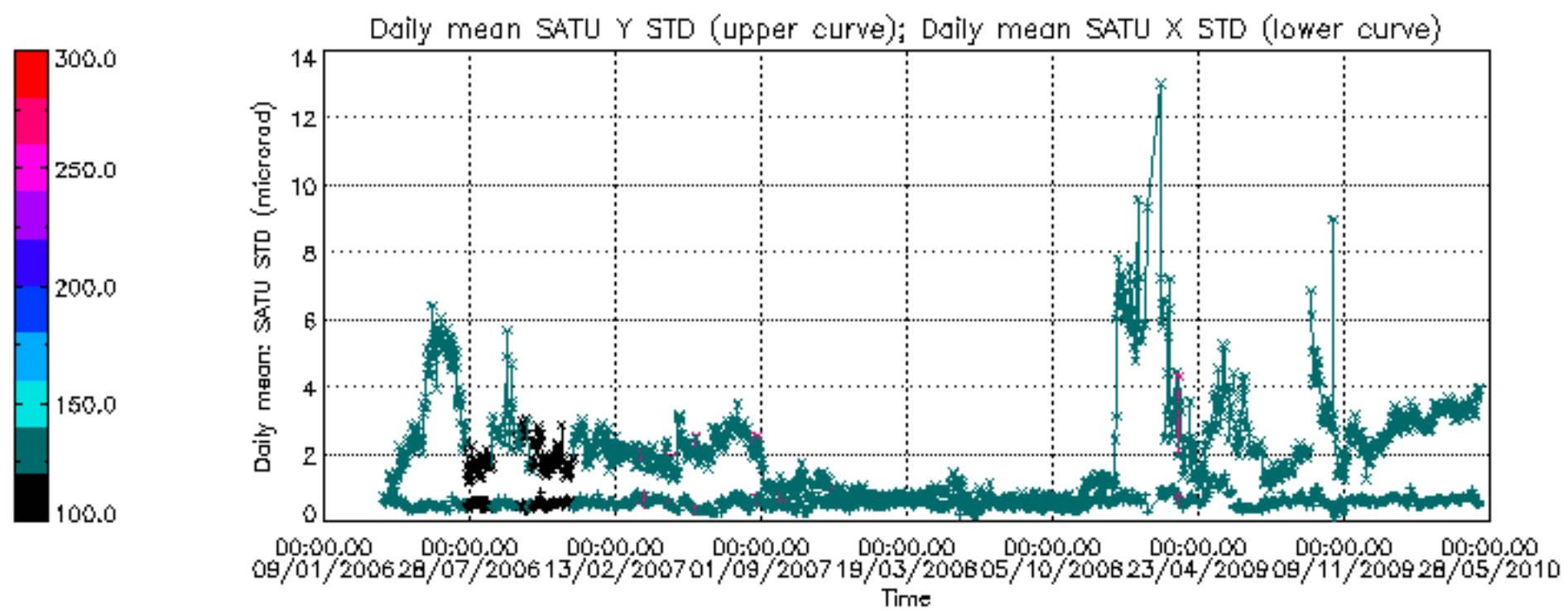


Tangent altitude at which the star is lost









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

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 2; -859.1; 01-MAY-2010 02:20:56; Dark ; 56.5; 162; 34Alp Aqr ; 2.94; 5350;occ; 113; 0;42699
 3; -636.8; 01-MAY-2010 02:24:38; Dark ; 62.0; 154; 22Bet Aqr ; 2.90; 5700;occ; 124; 0;42699
 4; -479.6; 01-MAY-2010 02:27:15; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;42699
 5; 635.3; 01-MAY-2010 02:45:50; Dark ; 42.0; 141; Bet Ara ; 2.84; 4600;occ; 84; 0;42700
 6; 746.6; 01-MAY-2010 02:47:41; Dark ; 55.0; 40; The Sco ; 1.86; 7100;occ; 110; 0;42700
 7; 851.7; 01-MAY-2010 02:49:26; Dark ; 57.5; 25; 35Lam Sco ; 1.62; 28000;occ; 115; 0;42700
 8; 1039.1; 01-MAY-2010 02:52:34; Dark ; 64.5; 75; 26Eps Sco ; 2.29; 4250;occ; 129; 0;42700
 9; 1264.8; 01-MAY-2010 02:56:19; Dark ; 68.0; 16; 21Alp Sco ; 1.02; 3000;occ; 136; 0;42700
 10; 1400.2; 01-MAY-2010 02:58:35; Dark ; 59.0; 80; 7Del Sco ; 2.32; 30000;occ; 118; 0;42700
 11; 1590.1; 01-MAY-2010 03:01:45; Bright; 43.5; 122; 9Alp2Lib ; 2.75; 9700;occ; 87; 0;42700
 12; 1728.1; 01-MAY-2010 03:04:03; Bright; 50.5; 104; 27Bet Lib ; 2.61; 13100;occ; 101; 0;42700
 13; 2233.6; 01-MAY-2010 03:12:28; Bright; 38.0; 111; 8Eta Boo ; 2.68; 6000;occ; 76; 0;42700
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 15; 2636.6; 01-MAY-2010 03:19:11; Bright; 41.0; 180; 27Gam Boo ; 3.04; 8000;occ; 82; 0;42700
 16; 2770.8; 01-MAY-2010 03:21:25; Bright; 40.0; 39; 85Eta UMA ; 1.85; 24000;occ; 80; 0;42700
 17; 3210.9; 01-MAY-2010 03:28:46; Bright; 44.0; 119; 14Eta Dra ; 2.73; 4700;occ; 88; 0;42700

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 2; -1895.8; 01-MAY-2010 03:44:15; Bright; 27.0; 19; 50Alp Cyg ; 1.25; 10500;occ; 54; 0;42700
 3; -1527.6; 01-MAY-2010 03:50:23; Dark ; 50.5; 164; 44Eta Peg ; 2.95; 5400;occ; 101; 0;42700
 4; -1262.2; 01-MAY-2010 03:54:48; Dark ; 46.0; 90; 54Alp Peg ; 2.49; 11000;occ; 92; 0;42700
 5; -1004.5; 01-MAY-2010 03:59:06; Dark ; 66.5; 61; 8Eps Peg ; 2.10; 3900;occ; 133; 0;42700
 6; -858.3; 01-MAY-2010 04:01:32; Dark ; 54.0; 162; 34Alp Aqr ; 2.94; 5350;occ; 108; 0;42700
 7; -635.9; 01-MAY-2010 04:05:15; Dark ; 59.0; 154; 22Bet Aqr ; 2.90; 5700;occ; 118; 0;42700
 8; -478.4; 01-MAY-2010 04:07:52; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;42700
 9; -239.1; 01-MAY-2010 04:11:52; Dark ; 42.5; 172; Gam Gru ; 3.00; 13100;occ; 85; 0;42700
 10; 635.9; 01-MAY-2010 04:26:27; Dark ; 42.5; 141; Bet Ara ; 2.84; 4600;occ; 85; 0;42701
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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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 21; 2770.2; 01-MAY-2010 05:02:01; Bright; 37.5; 39; 85Eta UMA ; 1.85; 24000;occ; 75; 0;42701
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 3; -1527.4; 01-MAY-2010 05:30:59; Dark ; 51.0; 164; 44Eta Peg ; 2.95; 5400;occ; 102; 0;42701
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 5; -1003.5; 01-MAY-2010 05:39:43; Dark ; 62.5; 61; 8Eps Peg ; 2.10; 3900;occ; 125; 0;42701

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8; -477.2; 01-MAY-2010 05:48:29; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;42701
9; -238.3; 01-MAY-2010 05:52:28; Dark ; 41.0; 172; Gam Gru ; 3.00; 13100;occ; 82; 0;42701
10; 636.8; 01-MAY-2010 06:07:03; Dark ; 51.5; 141; Bet Ara ; 2.84; 4600;occ; 103; 0;42702
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5; 1591.3; 01-MAY-2010 19:47:46; Bright; 42.0; 122; 9Alp2Lib ; 2.75; 9700;occ; 84; 0;42710
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8; 2450.9; 01-MAY-2010 20:02:05; Bright; 46.5; 83; ; 2.38; 11000;occ; 93; 0;42710
9; 2632.0; 01-MAY-2010 20:05:06; Bright; 40.5; 180; 27Gam Boo ; 3.04; 8000;occ; 81; 0;42710
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13; 4509.7; 01-MAY-2010 20:36:24; Dark ; 49.5; 164; 44Eta Peg ; 2.95; 5400;occ; 99; 0;42710
14; 4776.8; 01-MAY-2010 20:40:51; Dark ; 46.0; 90; 54Alp Peg ; 2.49; 11000;occ; 92; 0;42710
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16; 2631.5; 01-MAY-2010 21:45:42; Bright; 39.5; 180; 27Gam Boo ; 3.04; 8000;occ; 79; 0;42711
17; 2769.3; 01-MAY-2010 21:47:59; Bright; 37.0; 39; 85Eta UMa ; 1.85; 24000;occ; 74; 0;42711
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5; 862.9; 01-MAY-2010 22:56:49; Dark ; 59.0; 25; 35Lam Sco ; 1.62; 28000;occ; 118; 0;42712
6; 1047.6; 01-MAY-2010 22:59:54; Dark ; 60.5; 75; 26Eps Sco ; 2.29; 4250;occ; 121; 0;42712
7; 1270.7; 01-MAY-2010 23:03:37; Dark ; 80.0; 16; 21Alp Sco ; 1.02; 3000;occ; 160; 0;42712
8; 1403.6; 01-MAY-2010 23:05:50; Dark ; 60.5; 80; 7Del Sco ; 2.32; 30000;occ; 121; 0;42712
9; 1591.3; 01-MAY-2010 23:08:57; Bright; 45.5; 122; 9Alp2Lib ; 2.75; 9700;occ; 91; 0;42712
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 3; 2248.0; 06-MAY-2010 07:17:02; Bright; 39.0; 3; 16Alp Boo ; -0.05; 4250;occ; 78; 0;42774
 4; 2422.5; 06-MAY-2010 07:19:56; Bright; 41.5; 83; ; 2.38; 11000;occ; 83; 0;42774
 5; 2517.9; 06-MAY-2010 07:21:32; Bright; 48.5; 67; 5Alp CrB ; 2.22; 11000;occ; 97; 0;42774
 6; 3166.4; 06-MAY-2010 07:32:20; Bright; 44.0; 119; 14Eta Dra ; 2.73; 4700;occ; 88; 0;42774
 7; 3804.7; 06-MAY-2010 07:42:59; Bright; 44.0; 89; 5Alp Cep ; 2.45; 8000;occ; 88; 0;42774
 8; 4550.1; 06-MAY-2010 07:55:24; Dark ; 53.0; 93; 53Bet Peg ; 2.52; 3100;occ; 106; 0;42774
 9; 4799.0; 06-MAY-2010 07:59:33; Dark ; 48.0; 90; 54Alp Peg ; 2.49; 11000;occ; 96; 0;42774
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 11; 5650.6; 06-MAY-2010 08:13:45; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;42774
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 17; 7457.3; 06-MAY-2010 08:43:51; Dark ; 59.0; 80; 7Del Sco ; 2.32; 30000;occ; 118; 0;42775
 18; 7634.5; 06-MAY-2010 08:46:48; Bright; 42.0; 122; 9Alp2Lib ; 2.75; 9700;occ; 84; 0;42775
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 4; 2422.0; 06-MAY-2010 09:00:32; Bright; 43.0; 83; ; 2.38; 11000;occ; 86; 0;42775
 5; 2517.2; 06-MAY-2010 09:02:07; Bright; 50.5; 67; 5Alp CrB ; 2.22; 11000;occ; 101; 0;42775
 6; 3165.8; 06-MAY-2010 09:12:56; Bright; 43.5; 119; 14Eta Dra ; 2.73; 4700;occ; 87; 0;42775
 7; 3804.4; 06-MAY-2010 09:23:34; Bright; 45.5; 89; 5Alp Cep ; 2.45; 8000;occ; 91; 0;42775
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 10; 5244.3; 06-MAY-2010 09:47:34; Dark ; 62.5; 162; 34Alp Aqr ; 2.94; 5350;occ; 125; 0;42775
 11; 5652.0; 06-MAY-2010 09:54:22; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;42775
 12; 5855.9; 06-MAY-2010 09:57:46; Dark ; 42.5; 172; Gam Gru ; 3.00; 13100;occ; 85; 0;42775
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 16; 7335.6; 06-MAY-2010 10:22:25; Dark ; 73.0; 16; 21Alp Sco ; 1.02; 3000;occ; 146; 0;42776
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 3; 2103.9; 06-MAY-2010 10:35:50; Bright; 52.5; 102; 24Alp Ser ; 2.60; 4250;occ; 105; 0;42776
 4; 2247.6; 06-MAY-2010 10:38:13; Bright; 38.0; 3; 16Alp Boo ; -0.05; 4250;occ; 76; 0;42776
 5; 2421.8; 06-MAY-2010 10:41:07; Bright; 44.0; 83; ; 2.38; 11000;occ; 88; 0;42776
 6; 2516.5; 06-MAY-2010 10:42:42; Bright; 49.5; 67; 5Alp CrB ; 2.22; 11000;occ; 99; 0;42776
 7; 3165.3; 06-MAY-2010 10:53:31; Bright; 43.5; 119; 14Eta Dra ; 2.73; 4700;occ; 87; 0;42776
 8; 3803.7; 06-MAY-2010 11:04:09; Bright; 63.0; 89; 5Alp Cep ; 2.45; 8000;occ; 126; 0;42776
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 11; 5245.5; 06-MAY-2010 11:28:11; Dark ; 61.0; 162; 34Alp Aqr ; 2.94; 5350;occ; 122; 0;42776
 12; 5653.3; 06-MAY-2010 11:34:59; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;42776
 13; 5856.9; 06-MAY-2010 11:38:23; Dark ; 43.0; 172; Gam Gru ; 3.00; 13100;occ; 86; 0;42776
 14; 6821.2; 06-MAY-2010 11:54:27; Dark ; 66.5; 38; 20Eps Sgr ; 1.84; 11000;occ; 133; 0;42777


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 4; 2247.6; 06-MAY-2010 12:18:49; Bright; 37.5; 3; 16Alp Boo ; -0.05; 4250;occ; 75; 0;42777
 5; 2421.1; 06-MAY-2010 12:21:43; Bright; 40.5; 83; ; 2.38; 11000;occ; 81; 0;42777
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 8; 3803.6; 06-MAY-2010 12:44:45; Bright; 42.5; 89; 5Alp Cep ; 2.45; 8000;occ; 85; 0;42777
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11; 5246.6; 06-MAY-2010 13:08:48; Dark ; 60.5; 162; 34Alp Aqr ; 2.94; 5350;occ; 121; 0;42777
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13; 5857.3; 06-MAY-2010 13:18:59; Dark ; 44.5; 172; Gam Gru ; 3.00; 13100;occ; 89; 0;42777
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 4; 2102.8; 06-MAY-2010 13:57:00; Bright; 53.0; 102; 24Alp Ser ; 2.60; 4250;occ; 106; 0;42778
 5; 2247.0; 06-MAY-2010 13:59:24; Bright; 39.5; 3; 16Alp Boo ; -0.05; 4250;occ; 79; 0;42778
 6; 2420.9; 06-MAY-2010 14:02:18; Bright; 41.5; 83; ; 2.38; 11000;occ; 83; 0;42778
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 3; 813.8; 06-MAY-2010 16:56:43; Dark ; 52.0; 40; The Sco ; 1.86; 7100;occ; 104; 0;42780
 4; 928.7; 06-MAY-2010 16:58:38; Dark ; 34.0; 115; 34Ups Sco ; 2.70; 26000;occ; 68; 0;42780
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 3; -99.0; 06-MAY-2010 23:23:54; Dark ; 50.0; 31; Alp Gru ; 1.73; 15200;occ; 100; 0;42783
 4; 235.4; 06-MAY-2010 23:29:29; Dark ; 40.5; 45; Alp Pav ; 1.94; 26000;occ; 81; 0;42784
 5; 686.1; 06-MAY-2010 23:36:59; Dark ; 42.0; 141; Bet Ara ; 2.84; 4600;occ; 84; 0;42784
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 7; 932.0; 06-MAY-2010 23:41:05; Dark ; 39.0; 115; 34Ups Sco ; 2.70; 26000;occ; 78; 0;42784
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13; 2223.4; 07-MAY-2010 00:02:37; Bright; 36.5; 111; 8Eta Boo ; 2.68; 6000;occ; 73; 0;42784
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16; 2754.9; 07-MAY-2010 00:11:28; Bright; 37.0; 39; 85Eta UMa ; 1.85; 24000;occ; 74; 0;42784
17; 2842.0; 07-MAY-2010 00:12:55; Bright; 37.5; 55; 79Zet UMa ; 2.06; 10200;occ; 75; 0;42784
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19; 3801.2; 07-MAY-2010 00:28:54; Bright; 43.0; 89; 5Alp Cep ; 2.45; 8000;occ; 86; 0;42784
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 6; 2420.2; 06-MAY-2010 17:23:30; Bright; 42.0; 83; ; 2.38; 11000;occ; 84; 0;42780
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 8; 2755.5; 06-MAY-2010 17:29:05; Bright; 39.0; 39; 85Eta UMa ; 1.85; 24000;occ; 78; 0;42780
 9; 2842.1; 06-MAY-2010 17:30:32; Bright; 37.0; 55; 79Zet UMa ; 2.06; 10200;occ; 74; 0;42780
 10; 3203.3; 06-MAY-2010 17:36:33; Bright; 40.0; 60; 7Bet UMi ; 2.08; 3950;occ; 80; 0;42780
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 17; 5935.1; 06-MAY-2010 18:22:05; Dark ; 46.0; 31; Alp Gru ; 1.73; 15200;occ; 92; 0;42780
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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
10; 820.8; 07-MAY-2010 08:02:14; Dark ; 51.5; 40; The Sco ; 1.86; 7100;occ; 103; 0;42789


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 6; 2754.4; 07-MAY-2010 08:34:27; Bright; 37.5; 39; 85Eta UMa ; 1.85; 24000;occ; 75; 0;42789
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 7; 3799.0; 07-MAY-2010 10:32:28; Bright; 55.5; 89; 5Alp Cep ; 2.45; 8000;occ; 111; 0;42790
 8; 3965.4; 07-MAY-2010 10:35:14; Bright; 36.5; 74; 11Bet Cas ; 2.27; 6600;occ; 73; 0;42790
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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
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 5; 2754.1; 07-MAY-2010 11:55:39; Bright; 39.0; 39; 85Eta UMa ; 1.85; 24000;occ; 78; 0;42791
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 17; 5731.6; 07-MAY-2010 19:27:40; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;42795
 18; 5944.7; 07-MAY-2010 19:31:13; Dark ; 51.0; 31; Alp Gru ; 1.73; 15200;occ; 102; 0;42795
 19; 6279.9; 07-MAY-2010 19:36:48; Dark ; 45.0; 45; Alp Pav ; 1.94; 26000;occ; 90; 0;42796
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 22; 6972.5; 07-MAY-2010 19:48:21; Dark ; 31.5; 25; 35Lam Sco ; 1.62; 28000;occ; 63; 0;42796

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 17; 2752.9; 08-MAY-2010 01:20:25; Bright; 38.0; 39; 85Eta UMa ; 1.85; 24000;occ; 76; 0;42799
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 12; 1601.3; 08-MAY-2010 02:41:49; Bright; 42.0; 122; 9Alp2Lib ; 2.75; 9700;occ; 84; 0;42800
 13; 1724.9; 08-MAY-2010 02:43:53; Bright; 44.5; 104; 27Bet Lib ; 2.61; 13100;occ; 89; 0;42800
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9; 696.3; 08-MAY-2010 04:07:20; Dark ; 44.5; 141; Bet Ara ; 2.84; 4600;occ; 89; 0;42801
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22;	7358.4;	10-MAY-2010	11:37:32;	Dark	;	66.5;	16;	21Alp Sco	;	1.02;	3000;occ;	133;	0;	42834
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4;	2401.8;	10-MAY-2010	11:55:32;	Bright;	39.5;	83;		;	2.38;	11000;occ;	79;	0;	42834	
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17;	6306.4;	10-MAY-2010	13:00:36;	Dark	;	41.0;	45;	Alp Pav	;	1.94;	26000;occ;	82;	0;	42835
18;	6751.2;	10-MAY-2010	13:08:01;	Dark	;	41.5;	141;	Bet Ara	;	2.84;	4600;occ;	83;	0;	42835
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20;	7003.1;	10-MAY-2010	13:12:13;	Dark	;	54.0;	25;	35Lam Sco	;	1.62;	28000;occ;	108;	0;	42835
21;	7159.9;	10-MAY-2010	13:14:50;	Dark	;	53.5;	75;	26Eps Sco	;	2.29;	4250;occ;	107;	0;	42835
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3; 2221.2; 11-MAY-2010 07:59:42; Bright; 34.5; 111; 8Eta Boo ; 2.68; 6000;occ; 69; 0;42846
4; 2398.6; 11-MAY-2010 08:02:39; Bright; 40.0; 83; ; 2.38; 11000;occ; 80; 0;42846
5; 2585.1; 11-MAY-2010 08:05:46; Bright; 39.0; 180; 27Gam Boo ; 3.04; 8000;occ; 78; 0;42846
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23; 7474.8; 11-MAY-2010 09:27:16; Dark ; 53.5; 80; 7Del Sco ; 2.32; 30000;occ; 107; 0;42847
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6; 3126.3; 11-MAY-2010 09:55:23; Bright; 43.5; 119; 14Eta Dra ; 2.73; 4700;occ; 87; 0;42847
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9; 3776.4; 11-MAY-2010 15:08:01; Bright; 44.5; 89; 5Alp Cep ; 2.45; 8000;occ; 89; 0;42850
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 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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 3; -132.9; 11-MAY-2010 22:25:51; Dark ; 47.0; 63; Bet Gru ; 2.15; 2800;occ; 94; 0;42854
 4; -51.5; 11-MAY-2010 22:27:13; Dark ; 44.0; 31; Alp Gru ; 1.73; 15200;occ; 88; 0;42854
 5; 283.9; 11-MAY-2010 22:32:48; Dark ; 43.0; 45; Alp Pav ; 1.94; 26000;occ; 86; 0;42855
 6; 726.1; 11-MAY-2010 22:40:10; Dark ; 45.0; 141; Bet Ara ; 2.84; 4600;occ; 90; 0;42855
 7; 870.6; 11-MAY-2010 22:42:35; Dark ; 46.5; 40; The Sco ; 1.86; 7100;occ; 93; 0;42855
 8; 981.9; 11-MAY-2010 22:44:26; Dark ; 55.0; 25; 35Lam Sco ; 1.62; 28000;occ; 110; 0;42855
 9; 1134.6; 11-MAY-2010 22:46:59; Dark ; 54.5; 75; 26Eps Sco ; 2.29; 4250;occ; 109; 0;42855
 10; 1330.3; 11-MAY-2010 22:50:15; Dark ; 66.5; 16; 21Alp Sco ; 1.02; 3000;occ; 133; 0;42855
 11; 1440.6; 11-MAY-2010 22:52:05; Dark ; 59.5; 80; 7Del Sco ; 2.32; 30000;occ; 119; 0;42855
 12; 1607.9; 11-MAY-2010 22:54:52; Bright; 39.5; 122; 9Alp2Lib ; 2.75; 9700;occ; 79; 0;42855
 13; 1725.3; 11-MAY-2010 22:56:50; Bright; 42.5; 104; 27Bet Lib ; 2.61; 13100;occ; 85; 0;42855
 14; 2237.3; 11-MAY-2010 23:05:22; Bright; 36.5; 3; 16Alp Boo ; -0.05; 4250;occ; 73; 0;42855
 15; 2396.1; 11-MAY-2010 23:08:00; Bright; 41.5; 83; ; 2.38; 11000;occ; 83; 0;42855
 16; 2582.4; 11-MAY-2010 23:11:07; Bright; 38.5; 180; 27Gam Boo ; 3.04; 8000;occ; 77; 0;42855
 17; 2747.4; 11-MAY-2010 23:13:52; Bright; 34.5; 39; 85Eta UMa ; 1.85; 24000;occ; 69; 0;42855
 18; 3121.9; 11-MAY-2010 23:20:06; Bright; 43.0; 119; 14Eta Dra ; 2.73; 4700;occ; 86; 0;42855
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 22; 4746.7; 11-MAY-2010 23:47:11; Dark ; 39.5; 140; 88Gam Peg ; 2.83; 26000;occ; 79; 0;42855
 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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 3; 1133.5; 11-MAY-2010 19:25:46; Dark ; 52.5; 75; 26Eps Sco ; 2.29; 4250;occ; 105; 0;42853
 4; 1329.2; 11-MAY-2010 19:29:02; Dark ; 69.0; 16; 21Alp Sco ; 1.02; 3000;occ; 138; 0;42853
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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
 8; 2237.3; 11-MAY-2010 19:44:10; Bright; 39.0; 3; 16Alp Boo ; -0.05; 4250;occ; 78; 0;42853
 9; 2396.5; 11-MAY-2010 19:46:49; Bright; 39.5; 83; ; 2.38; 11000;occ; 79; 0;42853
 10; 2583.0; 11-MAY-2010 19:49:56; Bright; 37.5; 180; 27Gam Boo ; 3.04; 8000;occ; 75; 0;42853
 11; 2747.7; 11-MAY-2010 19:52:40; Bright; 34.5; 39; 85Eta UMa ; 1.85; 24000;occ; 69; 0;42853
 12; 3122.9; 11-MAY-2010 19:58:55; Bright; 43.0; 119; 14Eta Dra ; 2.73; 4700;occ; 86; 0;42853
 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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 18; 5632.7; 11-MAY-2010 20:40:45; Dark ; 50.0; 18; 24Alp PsA ; 1.17; 9700;occ; 100; 0;42853
 19; 5775.8; 11-MAY-2010 20:43:08; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 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
24; 6905.5; 11-MAY-2010 21:01:58; Dark ; 49.0; 40; The Sco ; 1.86; 7100;occ; 98; 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
 7; 871.1; 12-MAY-2010 00:23:11; Dark ; 52.0; 40; The Sco ; 1.86; 7100;occ; 104; 0;42856
 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
10; 1330.4; 12-MAY-2010 00:30:51; Dark ; 58.0; 16; 21Alp Sco ; 1.02; 3000;occ; 116; 0;42856
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
14; 2237.3; 12-MAY-2010 00:45:57; Bright; 38.0; 3; 16Alp Boo ; -0.05; 4250;occ; 76; 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
17; 2747.5; 12-MAY-2010 00:54:28; Bright; 35.5; 39; 85Eta UMa ; 1.85; 24000;occ; 71; 0;42856
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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21; 4566.2; 12-MAY-2010 01:24:46; Dark ; 63.5; 93; 53Bet Peg ; 2.52; 3100;occ; 127; 0;42856
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
11; 1441.2; 12-MAY-2010 02:13:17; Dark ; 49.5; 80; 7Del Sco ; 2.32; 30000;occ; 99; 0;42857
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13; 1725.5; 12-MAY-2010 02:18:02; Bright; 41.5; 104; 27Bet Lib ; 2.61; 13100;occ; 83; 0;42857
14; 2237.0; 12-MAY-2010 02:26:33; Bright; 40.5; 3; 16Alp Boo ; -0.05; 4250;occ; 81; 0;42857
15; 2395.3; 12-MAY-2010 02:29:11; Bright; 39.0; 83; ; 2.38; 11000;occ; 78; 0;42857
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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 3; -1469.3; 12-MAY-2010 03:05:23; Dark ; 64.5; 93; 53Bet Peg ; 2.52; 3100;occ; 129; 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
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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
18; 1725.7; 12-MAY-2010 03:58:38; Bright; 42.0; 104; 27Bet Lib ; 2.61; 13100;occ; 84; 0;42858

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21; 2582.5; 12-MAY-2010 04:12:54; Bright; 38.0; 180; 27Gam Boo ; 3.04; 8000;occ; 76; 0;42858
22; 2747.5; 12-MAY-2010 04:15:39; Bright; 35.5; 39; 85Eta UMa ; 1.85; 24000;occ; 71; 0;42858
23; 3120.6; 12-MAY-2010 04:21:52; Bright; 41.0; 119; 14Eta Dra ; 2.73; 4700;occ; 82; 0;42858
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11; 728.3; 12-MAY-2010 05:22:36; Dark ; 44.0; 141; Bet Ara ; 2.84; 4600;occ; 88; 0;42859
12; 873.3; 12-MAY-2010 05:25:01; Dark ; 53.5; 40; The Sco ; 1.86; 7100;occ; 107; 0;42859
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16; 1441.8; 12-MAY-2010 05:34:30; Dark ; 58.0; 80; 7Del Sco ; 2.32; 30000;occ; 116; 0;42859
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18; 1725.6; 12-MAY-2010 05:39:14; Bright; 41.0; 104; 27Bet Lib ; 2.61; 13100;occ; 82; 0;42859
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13; 985.4; 12-MAY-2010 07:07:29; Dark ; 53.5; 25; 35Lam Sco ; 1.62; 28000;occ; 107; 0;42860
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16; 1441.7; 12-MAY-2010 07:15:06; Dark ; 64.0; 80; 7Del Sco ; 2.32; 30000;occ; 128; 0;42860
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 23; 6769.2; 12-MAY-2010 20:28:05; Dark ; 49.0; 141; Bet Ara ; 2.84; 4600;occ; 98; 0;42868
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7; 2571.6; 15-MAY-2010 16:02:40; Bright; 38.0; 180; 27Gam Boo ; 3.04; 8000;occ; 76; 0;42908
8; 3095.7; 15-MAY-2010 16:11:24; Bright; 43.5; 119; 14Eta Dra ; 2.73; 4700;occ; 87; 0;42908
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17; 6358.0; 15-MAY-2010 17:05:46; Dark ; 40.5; 45; Alp Pav ; 1.94; 26000;occ; 81; 0;42909
18; 6790.8; 15-MAY-2010 17:12:59; Dark ; 48.5; 141; Bet Ara ; 2.84; 4600;occ; 97; 0;42909
19; 6963.9; 15-MAY-2010 17:15:52; Dark ; 27.0; 38; 20Eps Sgr ; 1.84; 11000;occ; 54; 0;42909
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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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14; 4858.5; 15-MAY-2010 18:21:23; Dark ; 54.0; 90; 54Alp Peg ; 2.49; 11000;occ; 108; 0;42909
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16; 5823.0; 15-MAY-2010 18:37:27; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;42909
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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
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11; 3094.9; 15-MAY-2010 19:32:35; Bright; 42.5; 119; 14Eta Dra ; 2.73; 4700;occ; 85; 0;42910
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13; 3961.8; 15-MAY-2010 19:47:02; Bright; 55.0; 74; 11Bet Cas ; 2.27; 6600;occ; 110; 0;42910
14; 4513.2; 15-MAY-2010 19:56:14; Dark ; 46.5; 58; 21Alp And ; 2.07; 11000;occ; 93; 0;42910
15; 4762.3; 15-MAY-2010 20:00:23; Dark ; 43.0; 140; 88Gam Peg ; 2.83; 26000;occ; 86; 0;42910
16; 4859.0; 15-MAY-2010 20:01:59; Dark ; 54.5; 90; 54Alp Peg ; 2.49; 11000;occ; 109; 0;42910
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19; 6025.6; 15-MAY-2010 20:21:26; Dark ; 50.0; 31; Alp Gru ; 1.73; 15200;occ; 100; 0;42910
20; 6359.1; 15-MAY-2010 20:27:00; Dark ; 44.5; 45; Alp Pav ; 1.94; 26000;occ; 89; 0;42911
21; 6791.7; 15-MAY-2010 20:34:12; Dark ; 45.5; 141; Bet Ara ; 2.84; 4600;occ; 91; 0;42911
22; 6965.5; 15-MAY-2010 20:37:06; Dark ; 29.0; 38; 20Eps Sgr ; 1.84; 11000;occ; 58; 0;42911
23; 7056.7; 15-MAY-2010 20:38:37; Dark ; 17.0; 25; 35Lam Sco ; 1.62; 28000;occ; 34; 0;42911

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2; 1020.7; 15-MAY-2010 20:38:37; Dark ; 53.5; 25; 35Lam Sco ; 1.62; 28000;occ; 107; 0;42911
3; 1162.2; 15-MAY-2010 20:40:59; Dark ; 52.0; 75; 26Eps Sco ; 2.29; 4250;occ; 104; 0;42911
4; 1349.0; 15-MAY-2010 20:44:05; Dark ; 56.5; 16; 21Alp Sco ; 1.02; 3000;occ; 113; 0;42911
5; 1506.3; 15-MAY-2010 20:46:43; Bright; 45.5; 97; 8Bet1Sco ; 2.56; 30000;occ; 91; 0;42911
6; 1726.9; 15-MAY-2010 20:50:23; Bright; 41.0; 104; 27Bet Lib ; 2.61; 13100;occ; 82; 0;42911
7; 1857.7; 15-MAY-2010 20:52:34; Bright; 50.5; 120; 1Del Oph ; 2.73; 3200;occ; 101; 0;42911
8; 2048.5; 15-MAY-2010 20:55:45; Bright; 44.0; 102; 24Alp Ser ; 2.60; 4250;occ; 88; 0;42911
9; 2383.4; 15-MAY-2010 21:01:20; Bright; 40.0; 83; ; 2.38; 11000;occ; 80; 0;42911
10; 2571.2; 15-MAY-2010 21:04:28; Bright; 37.5; 180; 27Gam Boo ; 3.04; 8000;occ; 75; 0;42911
11; 3094.2; 15-MAY-2010 21:13:11; Bright; 42.0; 119; 14Eta Dra ; 2.73; 4700;occ; 84; 0;42911
12; 3750.7; 15-MAY-2010 21:24:07; Bright; 44.0; 89; 5Alp Cep ; 2.45; 8000;occ; 88; 0;42911
13; 3961.6; 15-MAY-2010 21:27:38; Bright; 37.5; 74; 11Bet Cas ; 2.27; 6600;occ; 75; 0;42911
14; 4513.5; 15-MAY-2010 21:36:50; Dark ; 44.0; 58; 21Alp And ; 2.07; 11000;occ; 88; 0;42911
15; 4762.1; 15-MAY-2010 21:40:59; Dark ; 44.5; 140; 88Gam Peg ; 2.83; 26000;occ; 89; 0;42911
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3; -9.6; 15-MAY-2010 22:02:03; Dark ; 43.0; 31; Alp Gru ; 1.73; 15200;occ; 86; 0;42911
4; 324.3; 15-MAY-2010 22:07:37; Dark ; 42.0; 45; Alp Pav ; 1.94; 26000;occ; 84; 0;42912
5; 756.4; 15-MAY-2010 22:14:49; Dark ; 51.0; 141; Bet Ara ; 2.84; 4600;occ; 102; 0;42912
6; 930.6; 15-MAY-2010 22:17:43; Dark ; 30.0; 38; 20Eps Sgr ; 1.84; 11000;occ; 60; 0;42912
7; 1021.3; 15-MAY-2010 22:19:14; Dark ; 58.0; 25; 35Lam Sco ; 1.62; 28000;occ; 116; 0;42912
8; 1162.9; 15-MAY-2010 22:21:35; Dark ; 53.0; 75; 26Eps Sco ; 2.29; 4250;occ; 106; 0;42912
9; 1348.9; 15-MAY-2010 22:24:41; Dark ; 60.0; 16; 21Alp Sco ; 1.02; 3000;occ; 120; 0;42912
10; 1506.3; 15-MAY-2010 22:27:19; Bright; 45.5; 97; 8Bet1Sco ; 2.56; 30000;occ; 91; 0;42912
11; 1727.0; 15-MAY-2010 22:30:59; Bright; 39.5; 104; 27Bet Lib ; 2.61; 13100;occ; 79; 0;42912
12; 1857.4; 15-MAY-2010 22:33:10; Bright; 50.5; 120; 1Del Oph ; 2.73; 3200;occ; 101; 0;42912
13; 2048.0; 15-MAY-2010 22:36:20; Bright; 44.5; 102; 24Alp Ser ; 2.60; 4250;occ; 89; 0;42912
14; 2382.9; 15-MAY-2010 22:41:55; Bright; 40.0; 83; ; 2.38; 11000;occ; 80; 0;42912
15; 2571.3; 15-MAY-2010 22:45:04; Bright; 38.5; 180; 27Gam Boo ; 3.04; 8000;occ; 77; 0;42912
16; 3093.7; 15-MAY-2010 22:53:46; Bright; 61.0; 119; 14Eta Dra ; 2.73; 4700;occ; 122; 0;42912
17; 3750.1; 15-MAY-2010 23:04:42; Bright; 44.0; 89; 5Alp Cep ; 2.45; 8000;occ; 88; 0;42912
18; 3961.8; 15-MAY-2010 23:08:14; Bright; 55.0; 74; 11Bet Cas ; 2.27; 6600;occ; 110; 0;42912
19; 4513.6; 15-MAY-2010 23:17:26; Dark ; 45.0; 58; 21Alp And ; 2.07; 11000;occ; 90; 0;42912
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4; 324.4; 15-MAY-2010 23:48:13; Dark ; 51.0; 45; Alp Pav ; 1.94; 26000;occ; 102; 0;42913
5; 756.8; 15-MAY-2010 23:55:25; Dark ; 43.5; 141; Bet Ara ; 2.84; 4600;occ; 87; 0;42913
6; 931.6; 15-MAY-2010 23:58:20; Dark ; 30.0; 38; 20Eps Sgr ; 1.84; 11000;occ; 60; 0;42913
7; 1022.1; 15-MAY-2010 23:59:50; Dark ; 54.0; 25; 35Lam Sco ; 1.62; 28000;occ; 108; 0;42913
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9; 1349.3; 16-MAY-2010 00:05:17; Dark ; 63.0; 16; 21Alp Sco ; 1.02; 3000;occ; 126; 0;42913
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 13; 2047.9; 16-MAY-2010 00:16:56; Bright; 44.5; 102; 24Alp Ser ; 2.60; 4250;occ; 89; 0;42913
 14; 2383.2; 16-MAY-2010 00:22:31; Bright; 37.0; 83; ; 2.38; 11000;occ; 74; 0;42913
 15; 2570.9; 16-MAY-2010 00:25:39; Bright; 38.0; 180; 27Gam Boo ; 3.04; 8000;occ; 76; 0;42913
 16; 3092.9; 16-MAY-2010 00:34:21; Bright; 43.0; 119; 14Eta Dra ; 2.73; 4700;occ; 86; 0;42913
 17; 3749.7; 16-MAY-2010 00:45:18; Bright; 46.0; 89; 5Alp Cep ; 2.45; 8000;occ; 92; 0;42913
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 19; 4514.0; 16-MAY-2010 00:58:02; Dark ; 44.0; 58; 21Alp And ; 2.07; 11000;occ; 88; 0;42913
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 5; 757.2; 16-MAY-2010 01:36:01; Dark ; 46.0; 141; Bet Ara ; 2.84; 4600;occ; 92; 0;42914
 6; 932.4; 16-MAY-2010 01:38:56; Dark ; 32.0; 38; 20Eps Sgr ; 1.84; 11000;occ; 64; 0;42914
 7; 1022.8; 16-MAY-2010 01:40:27; Dark ; 53.0; 25; 35Lam Sco ; 1.62; 28000;occ; 106; 0;42914
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 9; 1349.7; 16-MAY-2010 01:45:54; Dark ; 57.5; 16; 21Alp Sco ; 1.02; 3000;occ; 115; 0;42914
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 14; 2382.8; 16-MAY-2010 02:03:07; Bright; 38.5; 83; ; 2.38; 11000;occ; 77; 0;42914
 15; 2570.8; 16-MAY-2010 02:06:15; Bright; 54.0; 180; 27Gam Boo ; 3.04; 8000;occ; 108; 0;42914
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 20; 4763.2; 16-MAY-2010 02:42:47; Dark ; 43.5; 140; 88Gam Peg ; 2.83; 26000;occ; 87; 0;42914
 21; 4861.5; 16-MAY-2010 02:44:25; Dark ; 56.0; 90; 54Alp Peg ; 2.49; 11000;occ; 112; 0;42914
 22; 5678.8; 16-MAY-2010 02:58:03; Dark ; 47.0; 18; 24Alp PsA ; 1.17; 9700;occ; 94; 0;42914
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 26; 6794.1; 16-MAY-2010 03:16:38; Dark ; 46.0; 141; Bet Ara ; 2.84; 4600;occ; 92; 0;42915
 27; 6969.1; 16-MAY-2010 03:19:33; Dark ; 32.0; 38; 20Eps Sgr ; 1.84; 11000;occ; 64; 0;42915
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 29; 7200.0; 16-MAY-2010 03:23:24; Dark ; 55.0; 75; 26Eps Sco ; 2.29; 4250;occ; 110; 0;42915
 30; 7386.2; 16-MAY-2010 03:26:30; Dark ; 56.0; 16; 21Alp Sco ; 1.02; 3000;occ; 112; 0;42915
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 6; 3083.3; 17-MAY-2010 11:46:46; Bright; 43.0; 119; 14Eta Dra ; 2.73; 4700;occ; 86; 0;42934
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 13; 5845.3; 17-MAY-2010 12:32:48; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;42934
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 17; 6804.0; 17-MAY-2010 12:48:47; Dark ; 47.0; 141; Bet Ara ; 2.84; 4600;occ; 94; 0;42935
 18; 6987.5; 17-MAY-2010 12:51:50; Dark ; 53.0; 38; 20Eps Sgr ; 1.84; 11000;occ; 106; 0;42935
 19; 7072.0; 17-MAY-2010 12:53:15; Dark ; 52.0; 25; 35Lam Sco ; 1.62; 28000;occ; 104; 0;42935
 20; 7209.0; 17-MAY-2010 12:55:32; Dark ; 52.5; 75; 26Eps Sco ; 2.29; 4250;occ; 105; 0;42935
 21; 7392.1; 17-MAY-2010 12:58:35; Dark ; 56.0; 16; 21Alp Sco ; 1.02; 3000;occ; 112; 0;42935
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 5; 2568.0; 17-MAY-2010 13:18:46; Bright; 36.5; 180; 27Gam Boo ; 3.04; 8000;occ; 73; 0;42935
 6; 3083.0; 17-MAY-2010 13:27:21; Bright; 40.0; 119; 14Eta Dra ; 2.73; 4700;occ; 80; 0;42935
 7; 3740.0; 17-MAY-2010 13:38:18; Bright; 45.0; 89; 5Alp Cep ; 2.45; 8000;occ; 90; 0;42935
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 11; 4873.0; 17-MAY-2010 13:57:11; Dark ; 53.5; 90; 54Alp Peg ; 2.49; 11000;occ; 107; 0;42935
 12; 5696.0; 17-MAY-2010 14:10:54; Dark ; 52.0; 18; 24Alp PsA ; 1.17; 9700;occ; 104; 0;42935
 13; 5846.3; 17-MAY-2010 14:13:25; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;42935
 14; 5953.5; 17-MAY-2010 14:15:12; Dark ; 58.0; 63; Bet Gru ; 2.15; 2800;occ; 116; 0;42935
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 16; 6376.6; 17-MAY-2010 14:22:15; Dark ; 42.0; 45; Alp Pav ; 1.94; 26000;occ; 84; 0;42936
 17; 6804.3; 17-MAY-2010 14:29:23; Dark ; 48.5; 141; Bet Ara ; 2.84; 4600;occ; 97; 0;42936
 18; 6988.8; 17-MAY-2010 14:32:27; Dark ; 55.0; 38; 20Eps Sgr ; 1.84; 11000;occ; 110; 0;42936
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 20; 7209.4; 17-MAY-2010 14:36:08; Dark ; 49.5; 75; 26Eps Sco ; 2.29; 4250;occ; 99; 0;42936
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 3; 1852.5; 17-MAY-2010 14:47:27; Bright; 48.5; 120; 1Del Oph ; 2.73; 3200;occ; 97; 0;42936
 4; 2041.8; 17-MAY-2010 14:50:36; Bright; 43.0; 102; 24Alp Ser ; 2.60; 4250;occ; 86; 0;42936
 5; 2379.1; 17-MAY-2010 14:56:13; Bright; 37.5; 83; ; 2.38; 11000;occ; 75; 0;42936
 6; 2567.7; 17-MAY-2010 14:59:22; Bright; 38.0; 180; 27Gam Boo ; 3.04; 8000;occ; 76; 0;42936
 7; 3082.8; 17-MAY-2010 15:07:57; Bright; 37.0; 119; 14Eta Dra ; 2.73; 4700;occ; 74; 0;42936
 8; 3739.3; 17-MAY-2010 15:18:54; Bright; 47.0; 89; 5Alp Cep ; 2.45; 8000;occ; 94; 0;42936
 9; 3960.5; 17-MAY-2010 15:22:35; Bright; 55.0; 74; 11Bet Cas ; 2.27; 6600;occ; 110; 0;42936
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 11; 4770.0; 17-MAY-2010 15:36:04; Dark ; 41.5; 140; 88Gam Peg ; 2.83; 26000;occ; 83; 0;42936
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 13; 5696.9; 17-MAY-2010 15:51:31; Dark ; 52.5; 18; 24Alp PsA ; 1.17; 9700;occ; 105; 0;42936
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 17; 6377.6; 17-MAY-2010 16:02:52; Dark ; 41.0; 45; Alp Pav ; 1.94; 26000;occ; 82; 0;42937
 18; 6805.2; 17-MAY-2010 16:10:00; Dark ; 40.5; 141; Bet Ara ; 2.84; 4600;occ; 81; 0;42937
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 21; 7210.1; 17-MAY-2010 16:16:44; Dark ; 51.0; 75; 26Eps Sco ; 2.29; 4250;occ; 102; 0;42937

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 4; 1852.4; 17-MAY-2010 16:28:03; Bright; 48.5; 120; 1Del Oph ; 2.73; 3200;occ; 97; 0;42937
 5; 2041.6; 17-MAY-2010 16:31:12; Bright; 43.5; 102; 24Alp Ser ; 2.60; 4250;occ; 87; 0;42937
 6; 2378.8; 17-MAY-2010 16:36:49; Bright; 37.0; 83; ; 2.38; 11000;occ; 74; 0;42937
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 13; 4874.1; 17-MAY-2010 17:18:24; Dark ; 57.5; 90; 54Alp Peg ; 2.49; 11000;occ; 115; 0;42937
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 17; 6046.3; 17-MAY-2010 17:37:57; Dark ; 44.0; 31; Alp Gru ; 1.73; 15200;occ; 88; 0;42938
 18; 6378.5; 17-MAY-2010 17:43:29; Dark ; 41.5; 45; Alp Pav ; 1.94; 26000;occ; 83; 0;42938
 19; 6805.5; 17-MAY-2010 17:50:36; Dark ; 50.0; 141; Bet Ara ; 2.84; 4600;occ; 100; 0;42938
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 6; 1852.2; 17-MAY-2010 18:08:39; Bright; 48.5; 120; 1Del Oph ; 2.73; 3200;occ; 97; 0;42938
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 8; 2378.9; 17-MAY-2010 18:17:25; Bright; 40.5; 83; ; 2.38; 11000;occ; 81; 0;42938
 9; 2567.5; 17-MAY-2010 18:20:34; Bright; 36.0; 180; 27Gam Boo ; 3.04; 8000;occ; 72; 0;42938
 10; 3081.5; 17-MAY-2010 18:29:08; Bright; 43.5; 119; 14Eta Dra ; 2.73; 4700;occ; 87; 0;42938
 11; 3738.1; 17-MAY-2010 18:40:04; Bright; 45.5; 89; 5Alp Cep ; 2.45; 8000;occ; 91; 0;42938
 12; 3959.9; 17-MAY-2010 18:43:46; Bright; 35.5; 74; 11Bet Cas ; 2.27; 6600;occ; 71; 0;42938
 13; 4518.1; 17-MAY-2010 18:53:04; Dark ; 45.0; 58; 21Alp And ; 2.07; 11000;occ; 90; 0;42938
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 16; 5698.4; 17-MAY-2010 19:12:45; Dark ; 49.0; 18; 24Alp PsA ; 1.17; 9700;occ; 98; 0;42938
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 18; 5955.7; 17-MAY-2010 19:17:02; Dark ; 58.0; 63; Bet Gru ; 2.15; 2800;occ; 116; 0;42938
 19; 6047.2; 17-MAY-2010 19:18:34; Dark ; 41.0; 31; Alp Gru ; 1.73; 15200;occ; 82; 0;42939
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 21; 6805.9; 17-MAY-2010 19:31:12; Dark ; 51.5; 141; Bet Ara ; 2.84; 4600;occ; 103; 0;42939
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 5; 344.9; 18-MAY-2010 00:25:55; Dark ; 42.5; 45; Alp Pav ; 1.94; 26000;occ; 85; 0;42942
 6; 771.3; 18-MAY-2010 00:33:01; Dark ; 43.5; 141; Bet Ara ; 2.84; 4600;occ; 87; 0;42942
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 11; 1511.3; 18-MAY-2010 00:45:21; Bright; 46.5; 97; 8Bet1Sco ; 2.56; 30000;occ; 93; 0;42942
 12; 1728.4; 18-MAY-2010 00:48:58; Bright; 40.0; 104; 27Bet Lib ; 2.61; 13100;occ; 80; 0;42942
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 15; 2378.2; 18-MAY-2010 00:59:48; Bright; 39.5; 83; ; 2.38; 11000;occ; 79; 0;42942
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6; 774.6; 18-MAY-2010 02:13:40; Dark ; 46.0; 141; Bet Ara ; 2.84; 4600;occ; 92; 0;42943
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 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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 4; 2372.4; 21-MAY-2010 11:09:03; Bright; 37.0; 83; ; 2.38; 11000;occ; 74; 0;42991
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 18; 6994.6; 21-MAY-2010 12:26:05; Dark ; 47.0; 40; The Sco ; 1.86; 7100;occ; 94; 0;42992
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 3; 2029.8; 21-MAY-2010 12:43:56; Bright; 41.0; 102; 24Alp Ser ; 2.60; 4250;occ; 82; 0;42992
 4; 2372.5; 21-MAY-2010 12:49:39; Bright; 35.5; 83; ; 2.38; 11000;occ; 71; 0;42992
 5; 2561.9; 21-MAY-2010 12:52:48; Bright; 36.0; 180; 27Gam Boo ; 3.04; 8000;occ; 72; 0;42992
 6; 3174.7; 21-MAY-2010 13:03:01; Bright; 38.0; 60; 7Bet UMi ; 2.08; 3950;occ; 76; 0;42992
 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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 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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 4; 2029.7; 21-MAY-2010 14:24:32; Bright; 40.5; 102; 24Alp Ser ; 2.60; 4250;occ; 81; 0;42993
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 7; 3057.8; 21-MAY-2010 14:41:40; Bright; 42.0; 119; 14Eta Dra ; 2.73; 4700;occ; 84; 0;42993
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 11; 964.6; 22-MAY-2010 06:52:46; Dark ; 50.0; 40; The Sco ; 1.86; 7100;occ; 100; 0;43003
 12; 1075.8; 22-MAY-2010 06:54:37; Dark ; 53.0; 25; 35Lam Sco ; 1.62; 28000;occ; 106; 0;43003
 13; 1201.5; 22-MAY-2010 06:56:43; Dark ; 50.0; 75; 26Eps Sco ; 2.29; 4250;occ; 100; 0;43003
 14; 1375.4; 22-MAY-2010 06:59:37; Dark ; 61.0; 16; 21Alp Sco ; 1.02; 3000;occ; 122; 0;43003
 15; 1521.3; 22-MAY-2010 07:02:03; Bright; 42.5; 97; 8Bet1Sco ; 2.56; 30000;occ; 85; 0;43003
 16; 1732.4; 22-MAY-2010 07:05:34; Bright; 40.0; 104; 27Bet Lib ; 2.61; 13100;occ; 80; 0;43003

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 2; 1842.7; 22-MAY-2010 07:07:24; Bright; 44.5; 120; 1Del Oph ; 2.73; 3200;occ; 89; 0;43003
 3; 2027.8; 22-MAY-2010 07:10:29; Bright; 41.0; 102; 24Alp Ser ; 2.60; 4250;occ; 82; 0;43003
 4; 2371.3; 22-MAY-2010 07:16:13; Bright; 39.0; 83; ; 2.38; 11000;occ; 78; 0;43003
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 6; 3053.9; 22-MAY-2010 07:27:35; Bright; 41.0; 119; 14Eta Dra ; 2.73; 4700;occ; 82; 0;43003
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 9; 4009.7; 22-MAY-2010 07:43:31; Bright; 37.5; 68; 18Alp Cas ; 2.22; 4500;occ; 75; 0;43003
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 11; 4791.9; 22-MAY-2010 07:56:33; Dark ; 47.0; 140; 88Gam Peg ; 2.83; 26000;occ; 94; 0;43003
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13; 5911.9; 22-MAY-2010 08:15:13; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;43003
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 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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 2; 1842.2; 22-MAY-2010 10:28:36; Bright; 44.5; 120; 1Del Oph ; 2.73; 3200;occ; 89; 0;43005
 3; 2027.4; 22-MAY-2010 10:31:41; Bright; 40.5; 102; 24Alp Ser ; 2.60; 4250;occ; 81; 0;43005
 4; 2371.1; 22-MAY-2010 10:37:24; Bright; 36.5; 83; ; 2.38; 11000;occ; 73; 0;43005
 5; 2560.8; 22-MAY-2010 10:40:34; Bright; 36.5; 180; 27Gam Boo ; 3.04; 8000;occ; 73; 0;43005
 6; 3053.1; 22-MAY-2010 10:48:46; Bright; 41.0; 119; 14Eta Dra ; 2.73; 4700;occ; 82; 0;43005
 7; 3173.9; 22-MAY-2010 10:50:47; Bright; 39.0; 60; 7Bet UMi ; 2.08; 3950;occ; 78; 0;43005
 8; 3937.4; 22-MAY-2010 11:03:31; Bright; 53.5; 76; 27Gam Cas ; 2.30; 30000;occ; 107; 0;43005
 9; 4009.9; 22-MAY-2010 11:04:43; Bright; 36.0; 68; 18Alp Cas ; 2.22; 4500;occ; 72; 0;43005
 10; 4529.5; 22-MAY-2010 11:13:23; Dark ; 47.5; 58; 21Alp And ; 2.07; 11000;occ; 95; 0;43005
 11; 4792.9; 22-MAY-2010 11:17:46; Dark ; 43.5; 140; 88Gam Peg ; 2.83; 26000;occ; 87; 0;43005
 12; 5759.1; 22-MAY-2010 11:33:52; Dark ; 52.0; 18; 24Alp PsA ; 1.17; 9700;occ; 104; 0;43005
 13; 5913.8; 22-MAY-2010 11:36:27; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;43005
 14; 6002.5; 22-MAY-2010 11:37:56; Dark ; 45.5; 63; Bet Gru ; 2.15; 2800;occ; 91; 0;43005
 15; 6086.7; 22-MAY-2010 11:39:20; Dark ; 48.5; 172; Gam Gru ; 3.00; 13100;occ; 97; 0;43006
 16; 6426.4; 22-MAY-2010 11:45:00; Dark ; 41.5; 45; Alp Pav ; 1.94; 26000;occ; 83; 0;43006
 17; 6837.5; 22-MAY-2010 11:51:51; Dark ; 43.5; 141; Bet Ara ; 2.84; 4600;occ; 87; 0;43006
 18; 7002.4; 22-MAY-2010 11:54:36; Dark ; 50.5; 40; The Sco ; 1.86; 7100;occ; 101; 0;43006
 19; 7113.4; 22-MAY-2010 11:56:27; Dark ; 55.0; 25; 35Lam Sco ; 1.62; 28000;occ; 110; 0;43006
 20; 7238.2; 22-MAY-2010 11:58:32; Dark ; 49.0; 75; 26Eps Sco ; 2.29; 4250;occ; 98; 0;43006
 21; 7412.0; 22-MAY-2010 12:01:25; Dark ; 55.0; 16; 21Alp Sco ; 1.02; 3000;occ; 110; 0;43006
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 2; 1842.3; 22-MAY-2010 12:09:11; Bright; 44.5; 120; 1Del Oph ; 2.73; 3200;occ; 89; 0;43006
 3; 2027.3; 22-MAY-2010 12:12:16; Bright; 40.5; 102; 24Alp Ser ; 2.60; 4250;occ; 81; 0;43006
 4; 2371.0; 22-MAY-2010 12:18:00; Bright; 40.5; 83; ; 2.38; 11000;occ; 81; 0;43006
 5; 2560.8; 22-MAY-2010 12:21:10; Bright; 36.5; 180; 27Gam Boo ; 3.04; 8000;occ; 73; 0;43006
 6; 3052.7; 22-MAY-2010 12:29:22; Bright; 41.0; 119; 14Eta Dra ; 2.73; 4700;occ; 82; 0;43006
 7; 3173.5; 22-MAY-2010 12:31:23; Bright; 37.0; 60; 7Bet UMi ; 2.08; 3950;occ; 74; 0;43006
 8; 3937.2; 22-MAY-2010 12:44:06; Bright; 54.0; 76; 27Gam Cas ; 2.30; 30000;occ; 108; 0;43006
 9; 4009.4; 22-MAY-2010 12:45:19; Bright; 55.0; 68; 18Alp Cas ; 2.22; 4500;occ; 110; 0;43006
 10; 4529.8; 22-MAY-2010 12:53:59; Dark ; 48.5; 58; 21Alp And ; 2.07; 11000;occ; 97; 0;43006


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12; 5760.2; 22-MAY-2010 13:14:29; Dark ; 48.0; 18; 24Alp PsA ; 1.17; 9700;occ; 96; 0;43006
13; 5914.8; 22-MAY-2010 13:17:04; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;43006
14; 6003.3; 22-MAY-2010 13:18:32; Dark ; 48.5; 63; Bet Gru ; 2.15; 2800;occ; 97; 0;43006
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16; 6426.9; 22-MAY-2010 13:25:36; Dark ; 41.5; 45; Alp Pav ; 1.94; 26000;occ; 83; 0;43007
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 3; 1842.1; 22-MAY-2010 13:49:47; Bright; 44.5; 120; 1Del Oph ; 2.73; 3200;occ; 89; 0;43007
 4; 2027.3; 22-MAY-2010 13:52:52; Bright; 40.5; 102; 24Alp Ser ; 2.60; 4250;occ; 81; 0;43007
 5; 2371.2; 22-MAY-2010 13:58:36; Bright; 40.0; 83; ; 2.38; 11000;occ; 80; 0;43007
 6; 2561.0; 22-MAY-2010 14:01:46; Bright; 37.0; 180; 27Gam Boo ; 3.04; 8000;occ; 74; 0;43007
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 8; 3173.7; 22-MAY-2010 14:11:59; Bright; 39.0; 60; 7Bet UMi ; 2.08; 3950;occ; 78; 0;43007
 9; 3937.1; 22-MAY-2010 14:24:42; Bright; 37.5; 76; 27Gam Cas ; 2.30; 30000;occ; 75; 0;43007
10; 4009.5; 22-MAY-2010 14:25:55; Bright; 52.0; 68; 18Alp Cas ; 2.22; 4500;occ; 104; 0;43007
11; 4529.9; 22-MAY-2010 14:34:35; Dark ; 48.5; 58; 21Alp And ; 2.07; 11000;occ; 97; 0;43007
12; 4793.8; 22-MAY-2010 14:38:59; Dark ; 46.5; 140; 88Gam Peg ; 2.83; 26000;occ; 93; 0;43007
13; 5761.5; 22-MAY-2010 14:55:07; Dark ; 50.0; 18; 24Alp PsA ; 1.17; 9700;occ; 100; 0;43007
14; 5915.9; 22-MAY-2010 14:57:41; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;43007
15; 6004.0; 22-MAY-2010 14:59:09; Dark ; 52.5; 63; Bet Gru ; 2.15; 2800;occ; 105; 0;43007
16; 6089.3; 22-MAY-2010 15:00:34; Dark ; 49.5; 172; Gam Gru ; 3.00; 13100;occ; 99; 0;43008
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 3; 1733.0; 22-MAY-2010 15:28:34; Bright; 37.5; 104; 27Bet Lib ; 2.61; 13100;occ; 75; 0;43008
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 6; 2370.9; 22-MAY-2010 15:39:12; Bright; 36.0; 83; ; 2.38; 11000;occ; 72; 0;43008
 7; 2560.6; 22-MAY-2010 15:42:22; Bright; 36.0; 180; 27Gam Boo ; 3.04; 8000;occ; 72; 0;43008
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 9; 3173.7; 22-MAY-2010 15:52:35; Bright; 38.0; 60; 7Bet UMi ; 2.08; 3950;occ; 76; 0;43008
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13; 4794.0; 22-MAY-2010 16:19:35; Dark ; 44.5; 140; 88Gam Peg ; 2.83; 26000;occ; 89; 0;43008
14; 5762.2; 22-MAY-2010 16:35:43; Dark ; 54.0; 18; 24Alp PsA ; 1.17; 9700;occ; 108; 0;43008
15; 5917.0; 22-MAY-2010 16:38:18; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;43008
16; 6004.6; 22-MAY-2010 16:39:46; Dark ; 52.0; 63; Bet Gru ; 2.15; 2800;occ; 104; 0;43008
17; 6090.4; 22-MAY-2010 16:41:11; Dark ; 49.0; 172; Gam Gru ; 3.00; 13100;occ; 98; 0;43009
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21; 7115.1; 22-MAY-2010 16:58:16; Dark ; 52.5; 25; 35Lam Sco ; 1.62; 28000;occ; 105; 0;43009
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 3; 1522.2; 22-MAY-2010 17:05:39; Bright; 47.0; 97; 8Bet1Sco ; 2.56; 30000;occ; 94; 0;43009
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 5; 1842.0; 22-MAY-2010 17:10:59; Bright; 44.5; 120; 1Del Oph ; 2.73; 3200;occ; 89; 0;43009
 6; 2027.2; 22-MAY-2010 17:14:04; Bright; 40.0; 102; 24Alp Ser ; 2.60; 4250;occ; 80; 0;43009
 7; 2370.8; 22-MAY-2010 17:19:48; Bright; 36.5; 83; ; 2.38; 11000;occ; 73; 0;43009
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12; 4009.4; 22-MAY-2010 17:47:06; Bright; 38.0; 68; 18Alp Cas ; 2.22; 4500;occ; 76; 0;43009
13; 4530.0; 22-MAY-2010 17:55:47; Dark ; 50.0; 58; 21Alp And ; 2.07; 11000;occ; 100; 0;43009
14; 4794.7; 22-MAY-2010 18:00:12; Dark ; 44.5; 140; 88Gam Peg ; 2.83; 26000;occ; 89; 0;43009
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9; 2369.2; 24-MAY-2010 21:18:20; Bright; 40.0; 83; ; 2.38; 11000;occ; 80; 0;43040
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5; 415.2; 24-MAY-2010 22:26:22; Dark ; 44.5; 45; Alp Pav ; 1.94; 26000;occ; 89; 0;43041
6; 817.2; 24-MAY-2010 22:33:04; Dark ; 42.5; 141; Bet Ara ; 2.84; 4600;occ; 85; 0;43041
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8; 1095.8; 24-MAY-2010 22:37:42; Dark ; 47.5; 25; 35Lam Sco ; 1.62; 28000;occ; 95; 0;43041
9; 1215.7; 24-MAY-2010 22:39:42; Dark ; 46.5; 75; 26Eps Sco ; 2.29; 4250;occ; 93; 0;43041
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22; 4806.1; 24-MAY-2010 23:39:33; Dark ; 47.5; 140; 88Gam Peg ; 2.83; 26000;occ; 95; 0;43041
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 7; -250.9; 24-MAY-2010 07:09:52; Dark ; 53.5; 18; 24Alp PsA ; 1.17; 9700;occ; 107; 0;43031
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 9; 87.5; 24-MAY-2010 07:15:31; Dark ; 44.0; 31; Alp Gru ; 1.73; 15200;occ; 88; 0;43032
10; 408.9; 24-MAY-2010 07:20:52; Dark ; 41.5; 45; Alp Pav ; 1.94; 26000;occ; 83; 0;43032
11; 813.4; 24-MAY-2010 07:27:37; Dark ; 49.5; 141; Bet Ara ; 2.84; 4600;occ; 99; 0;43032
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13; 1091.3; 24-MAY-2010 07:32:15; Dark ; 48.5; 25; 35Lam Sco ; 1.62; 28000;occ; 97; 0;43032
14; 1212.3; 24-MAY-2010 07:34:16; Dark ; 45.5; 75; 26Eps Sco ; 2.29; 4250;occ; 91; 0;43032
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11; 4802.7; 24-MAY-2010 08:34:06; Dark ; 45.0; 140; 88Gam Peg ; 2.83; 26000;occ; 90; 0;43032
12; 5332.1; 24-MAY-2010 08:42:55; Dark ; 48.0; 52; 16Bet Cet ; 2.04; 4500;occ; 96; 0;43032
13; 5785.9; 24-MAY-2010 08:50:29; Dark ; 53.5; 18; 24Alp PsA ; 1.17; 9700;occ; 107; 0;43032
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 18; 6850.0; 24-MAY-2010 09:08:13; Dark ; 43.0; 141; Bet Ara ; 2.84; 4600;occ; 86; 0;43033
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 5; 3171.3; 24-MAY-2010 13:08:42; Bright; 38.0; 60; 7Bet UMi ; 2.08; 3950;occ; 76; 0;43035
 6; 3936.2; 24-MAY-2010 13:21:27; Bright; 54.0; 76; 27Gam Cas ; 2.30; 30000;occ; 108; 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
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 15; 6447.5; 24-MAY-2010 14:03:18; Dark ; 46.5; 45; Alp Pav ; 1.94; 26000;occ; 93; 0;43036
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 17; 7018.8; 24-MAY-2010 14:12:50; Dark ; 50.0; 40; The Sco ; 1.86; 7100;occ; 100; 0;43036
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 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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 14; 5862.2; 24-MAY-2010 15:34:09; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 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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 3; 1735.3; 24-MAY-2010 16:05:58; Bright; 38.5; 104; 27Bet Lib ; 2.61; 13100;occ; 77; 0;43037
 4; 1839.1; 24-MAY-2010 16:07:42; Bright; 44.5; 120; 1Del Oph ; 2.73; 3200;occ; 89; 0;43037
 5; 2023.2; 24-MAY-2010 16:10:46; Bright; 40.0; 102; 24Alp Ser ; 2.60; 4250;occ; 80; 0;43037
 6; 3040.4; 24-MAY-2010 16:27:43; Bright; 42.0; 119; 14Eta Dra ; 2.73; 4700;occ; 84; 0;43037
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 8; 3936.3; 24-MAY-2010 16:42:39; Bright; 54.0; 76; 27Gam Cas ; 2.30; 30000;occ; 108; 0;43037
 9; 4008.0; 24-MAY-2010 16:43:51; Bright; 55.0; 68; 18Alp Cas ; 2.22; 4500;occ; 110; 0;43037
 10; 4382.4; 24-MAY-2010 16:50:05; Bright; 38.5; 53; 43Bet And ; 2.05; 3300;occ; 77; 0;43037
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 16; 6128.7; 24-MAY-2010 17:19:12; Dark ; 43.5; 31; Alp Gru ; 1.73; 15200;occ; 87; 0;43038
 17; 6449.0; 24-MAY-2010 17:24:32; Dark ; 42.0; 45; Alp Pav ; 1.94; 26000;occ; 84; 0;43038
 18; 6852.2; 24-MAY-2010 17:31:15; Dark ; 41.5; 141; Bet Ara ; 2.84; 4600;occ; 83; 0;43038
 19; 7019.9; 24-MAY-2010 17:34:03; Dark ; 49.0; 40; The Sco ; 1.86; 7100;occ; 98; 0;43038

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 3; 1214.6; 24-MAY-2010 17:37:53; Dark ; 48.5; 75; 26Eps Sco ; 2.29; 4250;occ; 97; 0;43038
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 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
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 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
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21; 6450.0; 24-MAY-2010 19:05:09; Dark ; 41.0; 45; Alp Pav ; 1.94; 26000;occ; 82; 0;43039
22; 6852.5; 24-MAY-2010 19:11:51; Dark ; 47.0; 141; Bet Ara ; 2.84; 4600;occ; 94; 0;43039
23; 7020.6; 24-MAY-2010 19:14:39; Dark ; 46.5; 40; The Sco ; 1.86; 7100;occ; 93; 0;43039
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 3; 1214.8; 24-MAY-2010 19:18:30; Dark ; 49.0; 75; 26Eps Sco ; 2.29; 4250;occ; 98; 0;43039
 4; 1384.8; 24-MAY-2010 19:21:20; Dark ; 54.0; 16; 21Alp Sco ; 1.02; 3000;occ; 108; 0;43039
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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
 7; 1838.9; 24-MAY-2010 19:28:54; Bright; 43.5; 120; 1Del Oph ; 2.73; 3200;occ; 87; 0;43039
 8; 2022.6; 24-MAY-2010 19:31:57; Bright; 39.5; 102; 24Alp Ser ; 2.60; 4250;occ; 79; 0;43039
 9; 2369.6; 24-MAY-2010 19:37:44; Bright; 35.5; 83; ; 2.38; 11000;occ; 71; 0;43039
10; 3039.7; 24-MAY-2010 19:48:55; Bright; 40.5; 119; 14Eta Dra ; 2.73; 4700;occ; 81; 0;43039
11; 3171.2; 24-MAY-2010 19:51:06; Bright; 37.5; 60; 7Bet UMi ; 2.08; 3950;occ; 75; 0;43039
12; 3936.0; 24-MAY-2010 20:03:51; Bright; 42.0; 76; 27Gam Cas ; 2.30; 30000;occ; 84; 0;43039
13; 4007.8; 24-MAY-2010 20:05:03; Bright; 35.5; 68; 18Alp Cas ; 2.22; 4500;occ; 71; 0;43039
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15; 4535.6; 24-MAY-2010 20:13:50; Dark ; 48.0; 58; 21Alp And ; 2.07; 11000;occ; 96; 0;43039
16; 4805.2; 24-MAY-2010 20:18:20; Dark ; 47.0; 140; 88Gam Peg ; 2.83; 26000;occ; 94; 0;43039
17; 5335.5; 24-MAY-2010 20:27:10; Dark ; 48.5; 52; 16Bet Cet ; 2.04; 4500;occ; 97; 0;43039
18; 5860.5; 24-MAY-2010 20:35:55; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;43039
19; 6027.6; 24-MAY-2010 20:38:42; Dark ; 56.5; 63; Bet Gru ; 2.15; 2800;occ; 113; 0;43039
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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
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12; 1736.0; 25-MAY-2010 02:09:34; Bright; 36.5; 104; 27Bet Lib ; 2.61; 13100;occ; 73; 0;43043
13; 1838.6; 25-MAY-2010 02:11:17; Bright; 44.5; 120; 1Del Oph ; 2.73; 3200;occ; 89; 0;43043
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15; 2369.1; 25-MAY-2010 02:20:07; Bright; 39.5; 83; ; 2.38; 11000;occ; 79; 0;43043
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 9; 97.7; 25-MAY-2010 03:22:52; Dark ; 43.5; 31; Alp Gru ; 1.73; 15200;occ; 87; 0;43044
10; 417.5; 25-MAY-2010 03:28:12; Dark ; 41.0; 45; Alp Pav ; 1.94; 26000;occ; 82; 0;43044
11; 818.6; 25-MAY-2010 03:34:53; Dark ; 47.5; 141; Bet Ara ; 2.84; 4600;occ; 95; 0;43044
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16; 1527.8; 25-MAY-2010 03:46:42; Bright; 43.0; 97; 8Bet1Sco ; 2.56; 30000;occ; 86; 0;43044
17; 1736.1; 25-MAY-2010 03:50:10; Bright; 38.0; 104; 27Bet Lib ; 2.61; 13100;occ; 76; 0;43044

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 3; 4.0; 25-MAY-2010 23:28:29; Dark ; 45.5; 63; Bet Gru ; 2.15; 2800;occ; 91; 0;43055
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21; 4538.7; 26-MAY-2010 00:44:04; Dark ; 49.0; 58; 21Alp And ; 2.07; 11000;occ; 98; 0;43056
22; 4811.9; 26-MAY-2010 00:48:37; Dark ; 44.5; 140; 88Gam Peg ; 2.83; 26000;occ; 89; 0;43056
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 3; 820.4; 25-MAY-2010 10:17:18; Dark ; 41.5; 141; Bet Ara ; 2.84; 4600;occ; 83; 0;43048
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 5; 1101.2; 25-MAY-2010 10:21:59; Dark ; 46.0; 115; 34Ups Sco ; 2.70; 26000;occ; 92; 0;43048
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3; 2021.6; 25-MAY-2010 10:37:20; Bright; 38.5; 102; 24Alp Ser ; 2.60; 4250;occ; 77; 0;43048
4; 2368.7; 25-MAY-2010 10:43:07; Bright; 39.0; 83; ; 2.38; 11000;occ; 78; 0;43048
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6; 3170.7; 25-MAY-2010 10:56:29; Bright; 38.5; 60; 7Bet UMi ; 2.08; 3950;occ; 77; 0;43048
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3; 2021.5; 25-MAY-2010 12:17:55; Bright; 39.0; 102; 24Alp Ser ; 2.60; 4250;occ; 78; 0;43049
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19; 7136.2; 25-MAY-2010 13:43:10; Dark ; 49.5; 25; 35Lam Sco ; 1.62; 28000;occ; 99; 0;43050
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4; 2021.4; 25-MAY-2010 13:58:31; Bright; 39.0; 102; 24Alp Ser ; 2.60; 4250;occ; 78; 0;43050
5; 2368.8; 25-MAY-2010 14:04:19; Bright; 37.0; 83; ; 2.38; 11000;occ; 74; 0;43050
6; 3035.6; 25-MAY-2010 14:15:25; Bright; 39.0; 119; 14Eta Dra ; 2.73; 4700;occ; 78; 0;43050
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16; 6458.4; 25-MAY-2010 15:12:28; Dark ; 41.5; 45; Alp Pav ; 1.94; 26000;occ; 83; 0;43051
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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
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19; 6459.8; 25-MAY-2010 18:33:42; Dark ; 42.0; 45; Alp Pav ; 1.94; 26000;occ; 84; 0;43053
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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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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
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5; 426.4; 26-MAY-2010 01:16:08; Dark ; 41.5; 45; Alp Pav ; 1.94; 26000;occ; 83; 0;43057
6; 824.2; 26-MAY-2010 01:22:46; Dark ; 44.5; 141; Bet Ara ; 2.84; 4600;occ; 89; 0;43057
7; 993.8; 26-MAY-2010 01:25:35; Dark ; 48.5; 40; The Sco ; 1.86; 7100;occ; 97; 0;43057
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9; 1221.6; 26-MAY-2010 01:29:23; Dark ; 49.5; 75; 26Eps Sco ; 2.29; 4250;occ; 99; 0;43057
10; 1349.8; 26-MAY-2010 01:31:31; Dark ; 44.5; 136; 23Tau Sco ; 2.82; 30000;occ; 89; 0;43057
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13; 1837.4; 26-MAY-2010 01:39:39; Bright; 43.0; 120; 1Del Oph ; 2.73; 3200;occ; 86; 0;43057
14; 2020.5; 26-MAY-2010 01:42:42; Bright; 39.0; 102; 24Alp Ser ; 2.60; 4250;occ; 78; 0;43057
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16; 3033.3; 26-MAY-2010 01:59:35; Bright; 40.0; 119; 14Eta Dra ; 2.73; 4700;occ; 80; 0;43057
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22; 4812.8; 26-MAY-2010 02:29:14; Dark ; 44.5; 140; 88Gam Peg ; 2.83; 26000;occ; 89; 0;43057
23; 5344.0; 26-MAY-2010 02:38:05; Dark ; 44.0; 52; 16Bet Cet ; 2.04; 4500;occ; 88; 0;43057
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26; 6145.7; 26-MAY-2010 02:51:27; Dark ; 43.0; 31; Alp Gru ; 1.73; 15200;occ; 86; 0;43058
27; 6462.9; 26-MAY-2010 02:56:44; Dark ; 42.5; 45; Alp Pav ; 1.94; 26000;occ; 85; 0;43058
28; 6860.4; 26-MAY-2010 03:03:22; Dark ; 46.0; 141; Bet Ara ; 2.84; 4600;occ; 92; 0;43058
29; 7030.3; 26-MAY-2010 03:06:12; Dark ; 46.5; 40; The Sco ; 1.86; 7100;occ; 93; 0;43058
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31; 7258.1; 26-MAY-2010 03:09:59; Dark ; 46.0; 75; 26Eps Sco ; 2.29; 4250;occ; 92; 0;43058
32; 7386.2; 26-MAY-2010 03:12:07; Dark ; 48.0; 136; 23Tau Sco ; 2.82; 30000;occ; 96; 0;43058
33; 7566.0; 26-MAY-2010 03:15:07; Bright; 40.5; 97; 8Bet1Sco ; 2.56; 30000;occ; 81; 0;43058
34; 7773.2; 26-MAY-2010 03:18:35; Bright; 37.5; 104; 27Bet Lib ; 2.61; 13100;occ; 75; 0;43058
35; 8056.2; 26-MAY-2010 03:23:17; Bright; 39.5; 102; 24Alp Ser ; 2.60; 4250;occ; 79; 0;43058
36; 8419.9; 26-MAY-2010 03:29:21; Bright; 41.0; 67; 5Alp CrB ; 2.22; 11000;occ; 82; 0;43058

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9; 2020.5; 26-MAY-2010 01:42:42; Bright; 39.0; 102; 24Alp Ser ; 2.60; 4250;occ; 78; 0;43057
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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
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 21; 6145.7; 26-MAY-2010 02:51:27; Dark ; 43.0; 31; Alp Gru ; 1.73; 15200;occ; 86; 0;43058
 22; 6462.9; 26-MAY-2010 02:56:44; Dark ; 42.5; 45; Alp Pav ; 1.94; 26000;occ; 85; 0;43058
 23; 6860.4; 26-MAY-2010 03:03:22; Dark ; 46.0; 141; Bet Ara ; 2.84; 4600;occ; 92; 0;43058
 24; 7030.3; 26-MAY-2010 03:06:12; Dark ; 46.5; 40; The Sco ; 1.86; 7100;occ; 93; 0;43058
 25; 7140.2; 26-MAY-2010 03:08:02; Dark ; 48.0; 25; 35Lam Sco ; 1.62; 28000;occ; 96; 0;43058
 26; 7258.1; 26-MAY-2010 03:09:59; Dark ; 46.0; 75; 26Eps Sco ; 2.29; 4250;occ; 92; 0;43058
 27; 7386.2; 26-MAY-2010 03:12:07; Dark ; 48.0; 136; 23Tau Sco ; 2.82; 30000;occ; 96; 0;43058
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 29; 7773.2; 26-MAY-2010 03:18:35; Bright; 37.5; 104; 27Bet Lib ; 2.61; 13100;occ; 75; 0;43058
 30; 8056.2; 26-MAY-2010 03:23:17; Bright; 39.5; 102; 24Alp Ser ; 2.60; 4250;occ; 79; 0;43058
 31; 8419.9; 26-MAY-2010 03:29:21; Bright; 11.5; 67; 5Alp CrB ; 2.22; 11000;occ; 23; 0;43058

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 3;-2100.6; 26-MAY-2010 03:55:13; Bright; 54.0; 76; 27Gam Cas ; 2.30; 30000;occ; 108; 0;43058
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 5;-1651.2; 26-MAY-2010 04:02:42; Bright; 40.0; 53; 43Bet And ; 2.05; 3300;occ; 80; 0;43058
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 7;-1222.9; 26-MAY-2010 04:09:50; Dark ; 46.5; 140; 88Gam Peg ; 2.83; 26000;occ; 93; 0;43058
 8; -691.4; 26-MAY-2010 04:18:42; Dark ; 45.0; 52; 16Bet Cet ; 2.04; 4500;occ; 90; 0;43058
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 10; 6.5; 26-MAY-2010 04:30:20; Dark ; 55.5; 63; Bet Gru ; 2.15; 2800;occ; 111; 0;43058
 11; 111.0; 26-MAY-2010 04:32:04; Dark ; 43.0; 31; Alp Gru ; 1.73; 15200;occ; 86; 0;43059
 12; 427.8; 26-MAY-2010 04:37:21; Dark ; 42.0; 45; Alp Pav ; 1.94; 26000;occ; 84; 0;43059
 13; 825.3; 26-MAY-2010 04:43:59; Dark ; 45.0; 141; Bet Ara ; 2.84; 4600;occ; 90; 0;43059
 14; 994.9; 26-MAY-2010 04:46:48; Dark ; 49.5; 40; The Sco ; 1.86; 7100;occ; 99; 0;43059
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 9; 111.4; 26-MAY-2010 06:12:41; Dark ; 46.5; 31; Alp Gru ; 1.73; 15200;occ; 93; 0;43060
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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
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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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 4; 2020.5; 26-MAY-2010 13:26:53; Bright; 38.5; 102; 24Alp Ser ; 2.60; 4250;occ; 77; 0;43064
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 9; 136.9; 28-MAY-2010 05:09:52; Dark ; 44.0; 31; Alp Gru ; 1.73; 15200;occ; 88; 0;43088
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 5; 465.4; 29-MAY-2010 23:10:19; Dark ; 44.5; 45; Alp Pav ; 1.94; 26000;occ; 89; 0;43113
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 6; 3017.4; 29-MAY-2010 08:47:27; Bright; 40.0; 119; 14Eta Dra ; 2.73; 4700;occ; 80; 0;43104
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6; 921.4; 30-MAY-2010 00:58:31; Dark ; 41.0; 147; Alp Ara ; 2.88; 26000;occ; 82; 0;43114
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7; 921.9; 30-MAY-2010 02:39:07; Dark ; 39.5; 147; Alp Ara ; 2.88; 26000;occ; 79; 0;43115
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