

GOMOS Daily Report 10-MAY-2010

Level 0 and Level 1 products

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

Item	Value
Time of report generation	14MAY2010 05:00:15
Data source version	GOMOS/5.00L04
Start time of products	10MAY2010 00:00:03
Stop time of products	10MAY2010 23:51:50
Store outputs in DB	Yes
Nb of level 1b prods	148
Nb of prods with errors	1

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

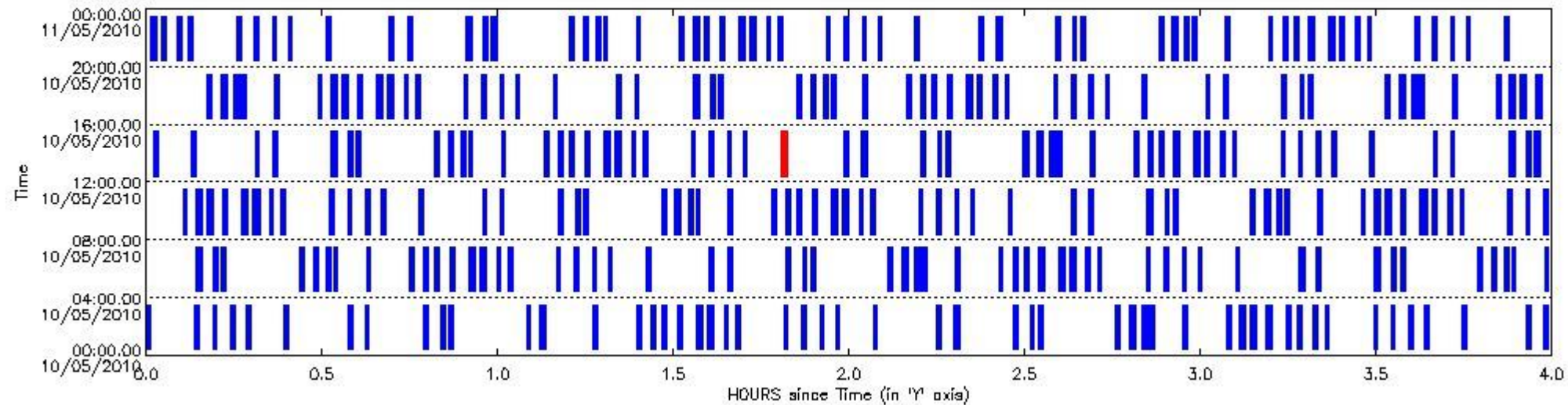
2.1 Level 0 products arrived in PCF (see template [here](#))

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

Red segments are missing products.

Blue segments are available products.

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



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

UTC start time	Star name	Star ID	Orbit
10-MAY-2010 13:48:26	14EtaDra	119	42835

2.4 Summary of processed GOM_TRA_1P products

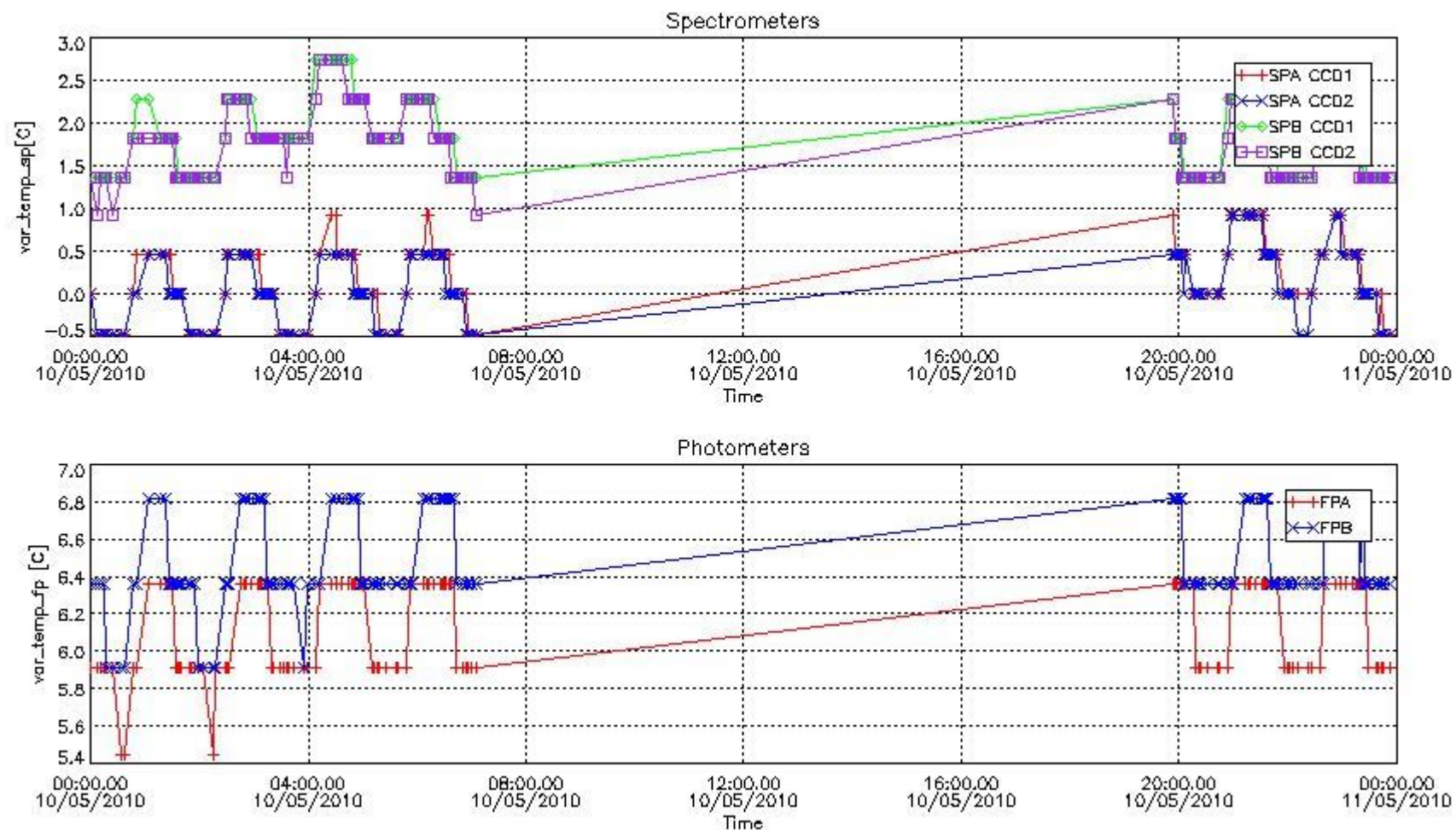
Nr	Filename	UTC Start time	Limb	Duration	Star Id	Star Name	Star Mag	Star Temp	Nb Meas	Orbit	Prod. error
1	GOM_TRA_1PNPDE20100510_000003_000000422089_00188_42827_0145.N1	10-MAY-2010 00:00:03	Bright	41.500	104	27Bet Lib	2.6140	13100.	83	42827	No
2	GOM_TRA_1PNPDE20100510_000819_000000372089_00188_42827_0146.N1	10-MAY-2010 00:08:19	Bright	36.500	111	8Eta Boo	2.6800	6000.0	73	42827	No
3	GOM_TRA_1PNPDE20100510_001122_000000402089_00188_42827_0147.N1	10-MAY-2010 00:11:22	Bright	40.000	83		2.3780	11000.	80	42827	No
4	GOM_TRA_1PNPDE20100510_001428_000000392089_00188_42827_0148.N1	10-MAY-2010 00:14:28	Bright	38.500	180	27Gam Boo	3.0400	8000.0	77	42827	No
5	GOM_TRA_1PNPDE20100510_001708_000000392089_00188_42827_0149.N1	10-MAY-2010 00:17:08	Bright	38.500	39	85Eta UMa	1.8540	24000.	77	42827	No
6	GOM_TRA_1PNPDE20100510_002335_000000452089_00188_42827_0150.N1	10-MAY-2010 00:23:35	Bright	44.500	119	14Eta Dra	2.7270	4700.0	89	42827	No
7	GOM_TRA_1PNPDE20100510_003424_000000442089_00188_42827_0151.N1	10-MAY-2010 00:34:24	Bright	44.000	89	5Alp Cep	2.4510	8000.0	88	42827	No
8	GOM_TRA_1PNPDE20100510_003723_000000342089_00188_42827_0152.N1	10-MAY-2010 00:37:23	Bright	34.000	74	11Bet Cas	2.2680	6600.0	68	42827	No
9	GOM_TRA_1PNPDE20100510_004718_000000542089_00188_42827_0153.N1	10-MAY-2010 00:47:18	Twilight	53.500	93	53Bet Peg	2.5200	3100.0	107	42827	No
10	GOM_TRA_1PNPDE20100510_005018_000000422089_00188_42827_0154.N1	10-MAY-2010 00:50:18	Twilight	42.000	140	88Gam Peg	2.8340	26000.	84	42827	No

11	GOM_TRA_1PNPDE20100510_005138_000000482089_00188_42827_0155.N1	10-MAY-2010 00:51:38	Dark	48.000	90	54Alp Peg	2.4870	11000.	96	42827	No
12	GOM_TRA_1PNPDE20100510_010453_000000472089_00188_42827_0171.N1	10-MAY-2010 01:04:53	Dark	46.500	18	24Alp PsA	1.1660	9700.0	93	42827	No
13	GOM_TRA_1PNPDE20100510_011620_000000452089_00189_42828_0172.N1	10-MAY-2010 01:16:20	Dark	44.500	45	Alp Pav	1.9400	26000.	89	42828	No
14	GOM_TRA_1PNPDE20100510_012345_000000482089_00189_42828_0173.N1	10-MAY-2010 01:23:45	Straylight	48.000	141	Bet Ara	2.8400	4600.0	96	42828	No
15	GOM_TRA_1PNPDE20100510_012605_000000512089_00189_42828_0174.N1	10-MAY-2010 01:26:05	Straylight	50.500	40	The Sco	1.8590	7100.0	101	42828	No
16	GOM_TRA_1PNPDE20100510_012756_000000572089_00189_42828_0175.N1	10-MAY-2010 01:27:56	Straylight	56.500	25	35Lam Sco	1.6200	28000.	113	42828	No
17	GOM_TRA_1PNPDE20100510_013034_000000532089_00189_42828_0176.N1	10-MAY-2010 01:30:34	Straylight	53.000	75	26Eps Sco	2.2910	4250.0	106	42828	No
18	GOM_TRA_1PNPDE20100510_013354_000000692089_00189_42828_0177.N1	10-MAY-2010 01:33:54	Twilight_and_stray	68.500	16	21Alp Sco	1.0200	3000.0	137	42828	No
19	GOM_TRA_1PNPDE20100510_013549_000000582089_00189_42828_0178.N1	10-MAY-2010 01:35:49	Bright	58.000	80	7Del Sco	2.3160	30000.	116	42828	No
20	GOM_TRA_1PNPDE20100510_013839_000000402089_00189_42828_0179.N1	10-MAY-2010 01:38:39	Bright	39.500	122	9Alp2Lib	2.7470	9700.0	79	42828	No
21	GOM_TRA_1PNPDE20100510_014039_000000432089_00189_42828_0180.N1	10-MAY-2010 01:40:39	Bright	42.500	104	27Bet Lib	2.6140	13100.	85	42828	No
22	GOM_TRA_1PNPDE20100510_014855_000000362089_00189_42828_0181.N1	10-MAY-2010 01:48:55	Bright	36.000	111	8Eta Boo	2.6800	6000.0	72	42828	No
23	GOM_TRA_1PNPDE20100510_015158_000000412089_00189_42828_0182.N1	10-MAY-2010 01:51:58	Bright	40.500	83		2.3780	11000.	81	42828	No
24	GOM_TRA_1PNPDE20100510_015504_000000382089_00189_42828_0183.N1	10-MAY-2010 01:55:04	Bright	38.000	180	27Gam Boo	3.0400	8000.0	76	42828	No
25	GOM_TRA_1PNPDE20100510_015744_000000382089_00189_42828_0184.N1	10-MAY-2010 01:57:44	Bright	37.500	39	85Eta UMa	1.8540	24000.	75	42828	No
26	GOM_TRA_1PNPDE20100510_020410_000000402089_00189_42828_0185.N1	10-MAY-2010 02:04:10	Bright	39.500	119	14Eta Dra	2.7270	4700.0	79	42828	No
27	GOM_TRA_1PNPDE20100510_021459_000000452089_00189_42828_0186.N1	10-MAY-2010 02:14:59	Bright	45.000	89	5Alp Cep	2.4510	8000.0	90	42828	No
28	GOM_TRA_1PNPDE20100510_021759_000000542089_00189_42828_0187.N1	10-MAY-2010 02:17:59	Bright	54.000	74	11Bet Cas	2.2680	6600.0	108	42828	No
29	GOM_TRA_1PNPDE20100510_022755_000000532089_00189_42828_0188.N1	10-MAY-2010 02:27:55	Twilight_and_stray	52.500	93	53Bet Peg	2.5200	3100.0	105	42828	No
30	GOM_TRA_1PNPDE20100510_023054_000000422089_00189_42828_0189.N1	10-MAY-2010 02:30:54	Twilight	41.500	140	88Gam Peg	2.8340	26000.	83	42828	No
31	GOM_TRA_1PNPDE20100510_023215_000000492089_00189_42828_0190.N1	10-MAY-2010 02:32:15	Dark	48.500	90	54Alp Peg	2.4870	11000.	97	42828	No
32	GOM_TRA_1PNPDE20100510_024530_000000472089_00189_42828_0191.N1	10-MAY-2010 02:45:30	Dark	47.000	18	24Alp PsA	1.1660	9700.0	94	42828	No
33	GOM_TRA_1PNPDE20100510_025004_000000542089_00189_42828_0192.N1	10-MAY-2010 02:50:04	Dark	54.000	63	Bet Gru	2.1500	2800.0	108	42828	No
34	GOM_TRA_1PNPDE20100510_025121_000000412089_00189_42828_0193.N1	10-MAY-2010 02:51:21	Dark	40.500	31	Alp Gru	1.7340	15200.	81	42828	No
35	GOM_TRA_1PNPDE20100510_025656_000000432089_00190_42829_0194.N1	10-MAY-2010 02:56:56	Dark	43.000	45	Alp Pav	1.9400	26000.	86	42829	No
36	GOM_TRA_1PNPDE20100510_030422_000000512089_00190_42829_0195.N1	10-MAY-2010 03:04:22	Straylight	51.000	141	Bet Ara	2.8400	4600.0	102	42829	No
37	GOM_TRA_1PNPDE20100510_030641_000000542089_00190_42829_0196.N1	10-MAY-2010 03:06:41	Straylight	53.500	40	The Sco	1.8590	7100.0	107	42829	No
38	GOM_TRA_1PNPDE20100510_030833_000000582089_00190_42829_0197.N1	10-MAY-2010 03:08:33	Straylight	57.500	25	35Lam Sco	1.6200	28000.	115	42829	No
39	GOM_TRA_1PNPDE20100510_031111_000000602089_00190_42829_0198.N1	10-MAY-2010 03:11:11	Straylight	59.500	75	26Eps Sco	2.2910	4250.0	119	42829	No
40	GOM_TRA_1PNPDE20100510_031431_000000632089_00190_42829_0199.N1	10-MAY-2010 03:14:31	Twilight_and_stray	63.000	16	21Alp Sco	1.0200	3000.0	126	42829	No
41	GOM_TRA_1PNPDE20100510_031625_000000552089_00190_42829_0200.N1	10-MAY-2010 03:16:25	Bright	54.500	80	7Del Sco	2.3160	30000.	109	42829	No
42	GOM_TRA_1PNPDE20100510_031915_000000402089_00190_42829_0201.N1	10-MAY-2010 03:19:15	Bright	40.000	122	9Alp2Lib	2.7470	9700.0	80	42829	No
43	GOM_TRA_1PNPDE20100510_032115_000000432089_00190_42829_0202.N1	10-MAY-2010 03:21:15	Bright	43.000	104	27Bet Lib	2.6140	13100.	86	42829	No
44	GOM_TRA_1PNPDE20100510_032931_000000372089_00190_42829_0203.N1	10-MAY-2010 03:29:31	Bright	36.500	111	8Eta Boo	2.6800	6000.0	73	42829	No
45	GOM_TRA_1PNPDE20100510_033234_000000422089_00190_42829_0204.N1	10-MAY-2010 03:32:34	Bright	41.500	83		2.3780	11000.	83	42829	No
46	GOM_TRA_1PNPDE20100510_033539_000000382089_00190_42829_0205.N1	10-MAY-2010 03:35:39	Bright	38.000	180	27Gam Boo	3.0400	8000.0	76	42829	No
47	GOM_TRA_1PNPDE20100510_033820_000000362089_00190_42829_0206.N1	10-MAY-2010 03:38:20	Bright	36.000	39	85Eta UMa	1.8540	24000.	72	42829	No
48	GOM_TRA_1PNPDE20100510_034446_000000432089_00190_42829_0200.N1	10-MAY-2010 03:44:46	Bright	43.000	119	14Eta Dra	2.7270	4700.0	86	42829	No
49	GOM_TRA_1PNPDE20100510_035535_000000452089_00190_42829_0201.N1	10-MAY-2010 03:55:35	Bright	45.000	89	5Alp Cep	2.4510	8000.0	90	42829	No
50	GOM_TRA_1PNPDE20100510_035835_000000422089_00190_42829_0202.N1	10-MAY-2010 03:58:35	Bright	42.000	74	11Bet Cas	2.2680	6600.0	84	42829	No
51	GOM_TRA_1PNPDE20100510_040831_000000542089_00190_42829_0203.N1	10-MAY-2010 04:08:31	Twilight_and_stray	54.000	93	53Bet Peg	2.5200	3100.0	108	42829	No
52	GOM_TRA_1PNPDE20100510_041130_000000402089_00190_42829_0204.N1	10-MAY-2010 04:11:30	Twilight	40.000	140	88Gam Peg	2.8340	26000.	80	42829	No
53	GOM_TRA_1PNPDE20100510_041251_000000492089_00190_42829_0205.N1	10-MAY-2010 04:12:51	Dark	49.000	90	54Alp Peg	2.4870	11000.	98	42829	No
54	GOM_TRA_1PNPDE20100510_042606_000000452089_00190_42829_0206.N1	10-MAY-2010 04:26:06	Dark	44.500	18	24Alp PsA	1.1660	9700.0	89	42829	No
55	GOM_TRA_1PNPDE20100510_043039_000000562089_00190_42829_0207.N1	10-MAY-2010 04:30:39	Dark	56.000	63	Bet Gru	2.1500	2800.0	112	42829	No
56	GOM_TRA_1PNPDE20100510_043157_000000392089_00190_42829_0208.N1	10-MAY-2010 04:31:57	Dark	39.000	31	Alp Gru	1.7340	15200.	78	42829	No
57	GOM_TRA_1PNPDE20100510_043733_000000422089_00191_42830_0209.N1	10-MAY-2010 04:37:33	Dark	41.500	45	Alp Pav	1.9400	26000.	83	42830	No
58	GOM_TRA_1PNPDE20100510_044458_000000462089_00191_42830_0210.N1	10-MAY-2010 04:44:58	Straylight	45.500	141	Bet Ara	2.8400	4600.0	91	42830	No
59	GOM_TRA_1PNPDE20100510_044718_000000472089_00191_42830_0211.N1	10-MAY-2010 04:47:18	Straylight	47.000	40	The Sco	1.8590	7100.0	94	42830	No
60	GOM_TRA_1PNPDE20100510_044909_000000572089_00191_42830_0212.N1	10-MAY-2010 04:49:09	Straylight	56.500	25	35Lam Sco	1.6200	28000.	113	42830	No
61	GOM_TRA_1PNPDE20100510_045147_000000562089_00191_42830_0213.N1	10-MAY-2010 04:51:47	Straylight	56.000	75	26Eps Sco	2.2910	4250.0	112	42830	No
62	GOM_TRA_1PNPDE20100510_045507_000000662089_00191_42830_0214.N1	10-MAY-2010 04:55:07	Twilight_and_stray	66.000	16	21Alp Sco	1.0200	3000.0	132	42830	No
63	GOM_TRA_1PNPDE20100510_045701_000000542089_00191_42830_0215.N1	10-MAY-2010 04:57:01	Bright	54.000	80	7Del Sco	2.3160	30000.	108	42830	No
64	GOM_TRA_1PNPDE20100510_045951_000000422089_00191_42830_0216.N1	10-MAY-2010 04:59:51	Bright	41.500	122	9Alp2Lib	2.7470	9700.0	83	42830	No
65	GOM_TRA_1PNPDE20100510_050151_000000432089_00191_42830_0217.N1	10-MAY-2010 05:01:51	Bright	43.000	104	27Bet Lib	2.6140	13100.	86	42830	No
66	GOM_TRA_1PNPDE20100510_051007_000000362089_00191_42830_0218.N1	10-MAY-2010 05:10:07	Bright	35.500	111	8Eta Boo	2.6800	6000.0	71	42830	No
67	GOM_TRA_1PNPDE20100510_051309_000000452089_00191_42830_0219.N1	10-MAY-2010 05:13:09	Bright	44.500	83		2.3780	11000.	89	42830	No
68	GOM_TRA_1PNPDE20100510_051615_000000392089_00191_42830_0220.N1	10-MAY-2010 05:16:15	Bright	39.000	180	27Gam Boo	3.0400	8000.0	78	42830	No
69	GOM_TRA_1PNPDE20100510_051855_000000382089_00191_42830_0221.N1	10-MAY-2010 05:18:55	Bright	37.500	39	85Eta UMa	1.8540	24000.	75	42830	No

70	GOM_TRA_1PNPDE20100510_052521_000000432089_00191_42830_0222.N1	10-MAY-2010 05:25:21	Bright	43.000	119	14Eta Dra	2.7270	4700.0	86	42830	No
71	GOM_TRA_1PNPDE20100510_053610_000000452089_00191_42830_0233.N1	10-MAY-2010 05:36:10	Bright	45.000	89	5Alp Cep	2.4510	8000.0	90	42830	No
72	GOM_TRA_1PNPDE20100510_053911_000000542089_00191_42830_0234.N1	10-MAY-2010 05:39:11	Bright	54.000	74	11Bet Cas	2.2680	6600.0	108	42830	No
73	GOM_TRA_1PNPDE20100510_054907_000000522089_00191_42830_0235.N1	10-MAY-2010 05:49:07	Twilight	51.500	93	53Bet Peg	2.5200	3100.0	103	42830	No
74	GOM_TRA_1PNPDE20100510_055206_000000402089_00191_42830_0236.N1	10-MAY-2010 05:52:06	Twilight	40.000	140	88Gam Peg	2.8340	26000.	80	42830	No
75	GOM_TRA_1PNPDE20100510_055327_000000492089_00191_42830_0237.N1	10-MAY-2010 05:53:27	Dark	49.000	90	54Alp Peg	2.4870	11000.	98	42830	No
76	GOM_TRA_1PNPDE20100510_060643_000000482089_00191_42830_0238.N1	10-MAY-2010 06:06:43	Dark	48.000	18	24Alp PsA	1.1660	9700.0	96	42830	No
77	GOM_TRA_1PNPDE20100510_061116_000000562089_00191_42830_0239.N1	10-MAY-2010 06:11:16	Dark	56.000	63	Bet Gru	2.1500	2800.0	112	42830	No
78	GOM_TRA_1PNPDE20100510_061234_000000442089_00191_42830_0240.N1	10-MAY-2010 06:12:34	Dark	44.000	31	Alp Gru	1.7340	15200.	88	42830	No
79	GOM_TRA_1PNPDE20100510_061809_000000412089_00192_42831_0241.N1	10-MAY-2010 06:18:09	Dark	41.000	45	Alp Pav	1.9400	26000.	82	42831	No
80	GOM_TRA_1PNPDE20100510_062535_000000432089_00192_42831_0242.N1	10-MAY-2010 06:25:35	Straylight	42.500	141	Bet Ara	2.8400	4600.0	85	42831	No
81	GOM_TRA_1PNPDE20100510_062755_000000492089_00192_42831_0243.N1	10-MAY-2010 06:27:55	Straylight	49.000	40	The Sco	1.8590	7100.0	98	42831	No
82	GOM_TRA_1PNPDE20100510_062946_000000532089_00192_42831_0244.N1	10-MAY-2010 06:29:46	Straylight	52.500	25	35Lam Sco	1.6200	28000.	105	42831	No
83	GOM_TRA_1PNPDE20100510_063224_000000562089_00192_42831_0245.N1	10-MAY-2010 06:32:24	Straylight	56.000	75	26Eps Sco	2.2910	4250.0	112	42831	No
84	GOM_TRA_1PNPDE20100510_063544_000000642089_00192_42831_0246.N1	10-MAY-2010 06:35:44	Twilight	63.500	16	21Alp Sco	1.0200	3000.0	127	42831	No
85	GOM_TRA_1PNPDE20100510_063737_000000662089_00192_42831_0247.N1	10-MAY-2010 06:37:37	Bright	66.000	80	7Del Sco	2.3160	30000.	132	42831	No
86	GOM_TRA_1PNPDE20100510_064027_000000412089_00192_42831_0248.N1	10-MAY-2010 06:40:27	Bright	41.000	122	9Alp2Lib	2.7470	9700.0	82	42831	No
87	GOM_TRA_1PNPDE20100510_064227_000000422089_00192_42831_0249.N1	10-MAY-2010 06:42:27	Bright	42.000	104	27Bet Lib	2.6140	13100.	84	42831	No
88	GOM_TRA_1PNPDE20100510_065043_000000352089_00192_42831_0250.N1	10-MAY-2010 06:50:43	Bright	35.000	111	8Eta Boo	2.6800	6000.0	70	42831	No
89	GOM_TRA_1PNPDE20100510_065345_000000432089_00192_42831_0251.N1	10-MAY-2010 06:53:45	Bright	42.500	83		2.3780	11000.	85	42831	No
90	GOM_TRA_1PNPDE20100510_065651_000000402089_00192_42831_0252.N1	10-MAY-2010 06:56:51	Bright	39.500	180	27Gam Boo	3.0400	8000.0	79	42831	No
91	GOM_TRA_1PNPDE20100510_065932_000000352089_00192_42831_0253.N1	10-MAY-2010 06:59:32	Bright	34.500	39	85Eta UMa	1.8540	24000.	69	42831	No
92	GOM_TRA_1PNPDE20100510_070557_000000442089_00192_42831_0254.N1	10-MAY-2010 07:05:57	Bright	43.500	119	14Eta Dra	2.7270	4700.0	87	42831	No
93	GOM_TRA_1PNPDE20100510_195248_000000552089_00200_42839_0392.N1	10-MAY-2010 19:52:48	Straylight	55.000	40	The Sco	1.8590	7100.0	110	42839	Yes
94	GOM_TRA_1PNPDE20100510_195440_000000552089_00200_42839_0393.N1	10-MAY-2010 19:54:40	Straylight	55.000	25	35Lam Sco	1.6200	28000.	110	42839	No
95	GOM_TRA_1PNPDE20100510_195716_000000552089_00200_42839_0394.N1	10-MAY-2010 19:57:16	Straylight	55.000	75	26Eps Sco	2.2910	4250.0	110	42839	No
96	GOM_TRA_1PNPDE20100510_200034_000000702089_00200_42839_0395.N1	10-MAY-2010 20:00:34	Twilight	70.000	16	21Alp Sco	1.0200	3000.0	140	42839	No
97	GOM_TRA_1PNPDE20100510_200226_000000502089_00200_42839_0396.N1	10-MAY-2010 20:02:26	Bright	50.000	80	7Del Sco	2.3160	30000.	100	42839	No
98	GOM_TRA_1PNPDE20100510_200516_000000412089_00200_42839_0397.N1	10-MAY-2010 20:05:16	Bright	41.000	122	9Alp2Lib	2.7470	9700.0	82	42839	No
99	GOM_TRA_1PNPDE20100510_200714_000000432089_00200_42839_0398.N1	10-MAY-2010 20:07:14	Bright	43.000	104	27Bet Lib	2.6140	13100.	86	42839	No
100	GOM_TRA_1PNPDE20100510_201531_000000372089_00200_42839_0399.N1	10-MAY-2010 20:15:31	Bright	36.500	111	8Eta Boo	2.6800	6000.0	73	42839	No
101	GOM_TRA_1PNPDE20100510_201830_000000402089_00200_42839_0400.N1	10-MAY-2010 20:18:30	Bright	40.000	83		2.3780	11000.	80	42839	No
102	GOM_TRA_1PNPDE20100510_202136_000000392089_00200_42839_0401.N1	10-MAY-2010 20:21:36	Bright	39.000	180	27Gam Boo	3.0400	8000.0	78	42839	No
103	GOM_TRA_1PNPDE20100510_202418_000000382089_00200_42839_0402.N1	10-MAY-2010 20:24:18	Bright	37.500	39	85Eta UMa	1.8540	24000.	75	42839	No
104	GOM_TRA_1PNPDE20100510_203040_000000432089_00200_42839_0403.N1	10-MAY-2010 20:30:40	Bright	43.000	119	14Eta Dra	2.7270	4700.0	86	42839	No
105	GOM_TRA_1PNPDE20100510_204130_000000422089_00200_42839_0404.N1	10-MAY-2010 20:41:30	Bright	41.500	89	5Alp Cep	2.4510	8000.0	83	42839	No
106	GOM_TRA_1PNPDE20100510_204434_000000542089_00200_42839_0405.N1	10-MAY-2010 20:44:34	Bright	54.000	74	11Bet Cas	2.2680	6600.0	108	42839	No
107	GOM_TRA_1PNPDE20100510_205432_000000582089_00200_42839_0406.N1	10-MAY-2010 20:54:32	Twilight	58.000	93	53Bet Peg	2.5200	3100.0	116	42839	No
108	GOM_TRA_1PNPDE20100510_205732_000000432089_00200_42839_0407.N1	10-MAY-2010 20:57:32	Twilight	43.000	140	88Gam Peg	2.8340	26000.	86	42839	No
109	GOM_TRA_1PNPDE20100510_205855_000000522089_00200_42839_0408.N1	10-MAY-2010 20:58:55	Dark	52.000	90	54Alp Peg	2.4870	11000.	104	42839	No
110	GOM_TRA_1PNPDE20100510_211212_000000482089_00200_42839_0408.N1	10-MAY-2010 21:12:12	Dark	47.500	18	24Alp PsA	1.1660	9700.0	95	42839	No
111	GOM_TRA_1PNPDE20100510_211644_000000472089_00200_42839_0409.N1	10-MAY-2010 21:16:44	Dark	46.500	63	Bet Gru	2.1500	2800.0	93	42839	No
112	GOM_TRA_1PNPDE20100510_211804_000000412089_00200_42839_0410.N1	10-MAY-2010 21:18:04	Dark	41.000	31	Alp Gru	1.7340	15200.	82	42839	No
113	GOM_TRA_1PNPDE20100510_212339_000000412089_00201_42840_0411.N1	10-MAY-2010 21:23:39	Dark	41.000	45	Alp Pav	1.9400	26000.	82	42840	No
114	GOM_TRA_1PNPDE20100510_213103_000000432089_00201_42840_0412.N1	10-MAY-2010 21:31:03	Straylight	43.000	141	Bet Ara	2.8400	4600.0	86	42840	No
115	GOM_TRA_1PNPDE20100510_213325_000000572089_00201_42840_0413.N1	10-MAY-2010 21:33:25	Straylight	56.500	40	The Sco	1.8590	7100.0	113	42840	No
116	GOM_TRA_1PNPDE20100510_213516_000000552089_00201_42840_0414.N1	10-MAY-2010 21:35:16	Straylight	54.500	25	35Lam Sco	1.6200	28000.	109	42840	No
117	GOM_TRA_1PNPDE20100510_213752_000000562089_00201_42840_0415.N1	10-MAY-2010 21:37:52	Straylight	55.500	75	26Eps Sco	2.2910	4250.0	111	42840	No
118	GOM_TRA_1PNPDE20100510_214110_000000642089_00201_42840_0416.N1	10-MAY-2010 21:41:10	Twilight	63.500	16	21Alp Sco	1.0200	3000.0	127	42840	No
119	GOM_TRA_1PNPDE20100510_214303_000000582089_00201_42840_0417.N1	10-MAY-2010 21:43:03	Bright	57.500	80	7Del Sco	2.3160	30000.	115	42840	No
120	GOM_TRA_1PNPDE20100510_214551_000000402089_00201_42840_0418.N1	10-MAY-2010 21:45:51	Bright	39.500	122	9Alp2Lib	2.7470	9700.0	79	42840	No
121	GOM_TRA_1PNPDE20100510_214750_000000412089_00201_42840_0419.N1	10-MAY-2010 21:47:50	Bright	41.000	104	27Bet Lib	2.6140	13100.	82	42840	No
122	GOM_TRA_1PNPDE20100510_215606_000000352089_00201_42840_0420.N1	10-MAY-2010 21:56:06	Bright	35.000	111	8Eta Boo	2.6800	6000.0	70	42840	No
123	GOM_TRA_1PNPDE20100510_215906_000000432089_00201_42840_0421.N1	10-MAY-2010 21:59:06	Bright	43.000	83		2.3780	11000.	86	42840	No
124	GOM_TRA_1PNPDE20100510_220212_000000392089_00201_42840_0422.N1	10-MAY-2010 22:02:12	Bright	38.500	180	27Gam Boo	3.0400	8000.0	77	42840	No
125	GOM_TRA_1PNPDE20100510_220454_000000392089_00201_42840_0423.N1	10-MAY-2010 22:04:54	Bright	38.500	39	85Eta UMa	1.8540	24000.	77	42840	No
126	GOM_TRA_1PNPDE20100510_221115_000000432089_00201_42840_0424.N1	10-MAY-2010 22:11:15	Bright	42.500	119	14Eta Dra	2.7270	4700.0	85	42840	No
127	GOM_TRA_1PNPDE20100510_222205_000000572089_00201_42840_0425.N1	10-MAY-2010 22:22:05	Bright	56.500	89	5Alp Cep	2.4510	8000.0	113	42840	No
128	GOM_TRA_1PNPDE20100510_222510_000000542089_00201_42840_0426.N1	10-MAY-2010 22:25:10	Bright	54.000	74	11Bet Cas	2.2680	6600.0	108	42840	No

129	GOM_TRA_1PNPDE20100510_223508_000000522089_00201_42840_0427.N1	10-MAY-2010 22:35:08	Twilight	51.500	93	53Bet Peg	2.5200	3100.0	103	42840	No
130	GOM_TRA_1PNPDE20100510_223808_000000432089_00201_42840_0428.N1	10-MAY-2010 22:38:08	Twilight	42.500	140	88Gam Peg	2.8340	26000.	85	42840	No
131	GOM_TRA_1PNPDE20100510_223931_000000522089_00201_42840_0429.N1	10-MAY-2010 22:39:31	Dark	51.500	90	54Alp Peg	2.4870	11000.	103	42840	No
132	GOM_TRA_1PNPDE20100510_225249_000000482089_00201_42840_0430.N1	10-MAY-2010 22:52:49	Dark	48.000	18	24Alp PsA	1.1660	9700.0	96	42840	No
133	GOM_TRA_1PNPDE20100510_225720_000000482089_00201_42840_0431.N1	10-MAY-2010 22:57:20	Dark	47.500	63	Bet Gru	2.1500	2800.0	95	42840	No
134	GOM_TRA_1PNPDE20100510_225840_000000412089_00201_42840_0432.N1	10-MAY-2010 22:58:40	Dark	40.500	31	Alp Gru	1.7340	15200.	81	42840	No
135	GOM_TRA_1PNPDE20100510_230416_000000412089_00202_42841_0433.N1	10-MAY-2010 23:04:16	Dark	41.000	45	Alp Pav	1.9400	26000.	82	42841	No
136	GOM_TRA_1PNPDE20100510_231140_000000422089_00202_42841_0434.N1	10-MAY-2010 23:11:40	Straylight	41.500	141	Bet Ara	2.8400	4600.0	83	42841	No
137	GOM_TRA_1PNPDE20100510_231402_000000492089_00202_42841_0435.N1	10-MAY-2010 23:14:02	Straylight	48.500	40	The Sco	1.8590	7100.0	97	42841	No
138	GOM_TRA_1PNPDE20100510_231553_000000562089_00202_42841_0436.N1	10-MAY-2010 23:15:53	Straylight	56.000	25	35Lam Sco	1.6200	28000.	112	42841	No
139	GOM_TRA_1PNPDE20100510_231829_000000522089_00202_42841_0437.N1	10-MAY-2010 23:18:29	Straylight	51.500	75	26Eps Sco	2.2910	4250.0	103	42841	No
140	GOM_TRA_1PNPDE20100510_232146_000000652089_00202_42841_0438.N1	10-MAY-2010 23:21:46	Twilight	64.500	16	21Alp Sco	1.0200	3000.0	129	42841	No
141	GOM_TRA_1PNPDE20100510_232339_000000612089_00202_42841_0439.N1	10-MAY-2010 23:23:39	Bright	60.500	80	7Del Sco	2.3160	30000.	121	42841	No
142	GOM_TRA_1PNPDE20100510_232627_000000412089_00202_42841_0440.N1	10-MAY-2010 23:26:27	Bright	40.500	122	9Alp2Lib	2.7470	9700.0	81	42841	No
143	GOM_TRA_1PNPDE20100510_232826_000000432089_00202_42841_0441.N1	10-MAY-2010 23:28:26	Bright	43.000	104	27Bet Lib	2.6140	13100.	86	42841	No
144	GOM_TRA_1PNPDE20100510_233642_000000362089_00202_42841_0442.N1	10-MAY-2010 23:36:42	Bright	35.500	111	8Eta Boo	2.6800	6000.0	71	42841	No
145	GOM_TRA_1PNPDE20100510_233941_000000442089_00202_42841_0443.N1	10-MAY-2010 23:39:41	Bright	43.500	83		2.3780	11000.	87	42841	No
146	GOM_TRA_1PNPDE20100510_234247_000000382089_00202_42841_0444.N1	10-MAY-2010 23:42:47	Bright	38.000	180	27Gam Boo	3.0400	8000.0	76	42841	No
147	GOM_TRA_1PNPDE20100510_234530_000000362089_00202_42841_0445.N1	10-MAY-2010 23:45:30	Bright	35.500	39	85Eta UMa	1.8540	24000.	71	42841	No
148	GOM_TRA_1PNPDE20100510_235150_000000442089_00202_42841_0446.N1	10-MAY-2010 23:51:50	Bright	43.500	119	14Eta Dra	2.7270	4700.0	87	42841	No

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



4. Overview of dark signal processing per product

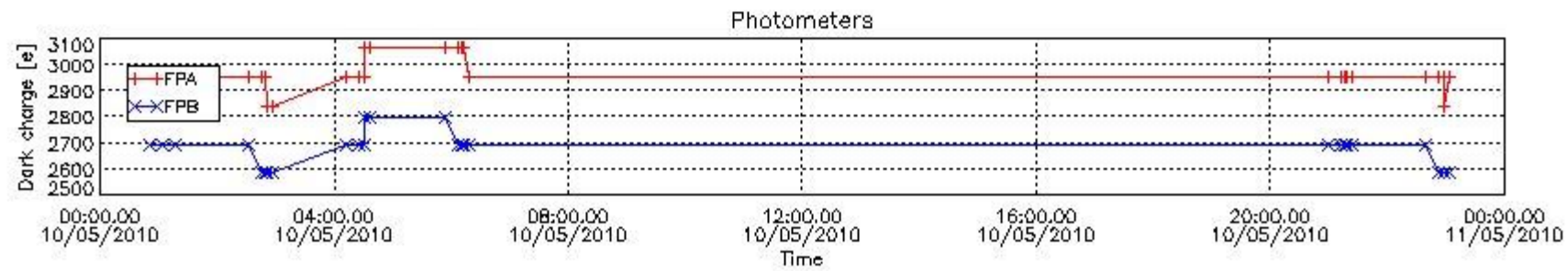
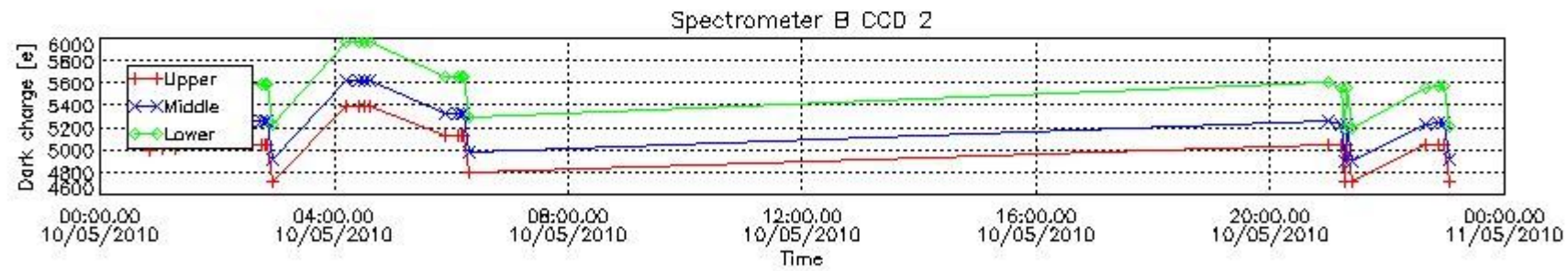
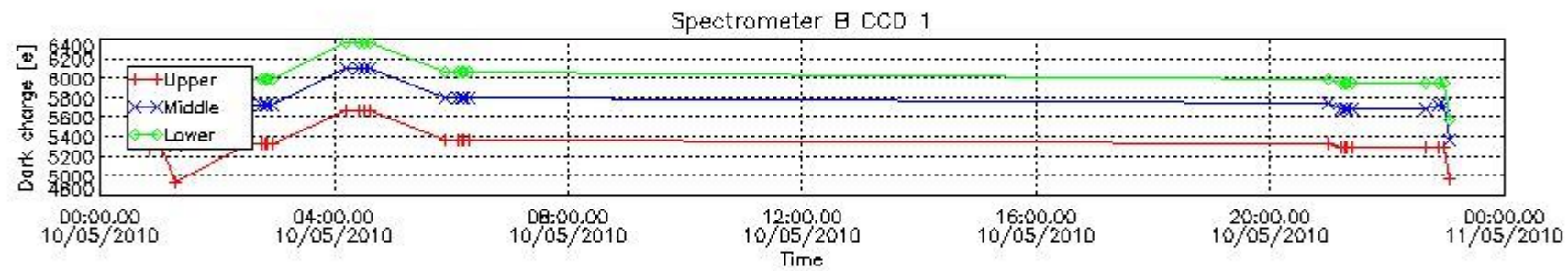
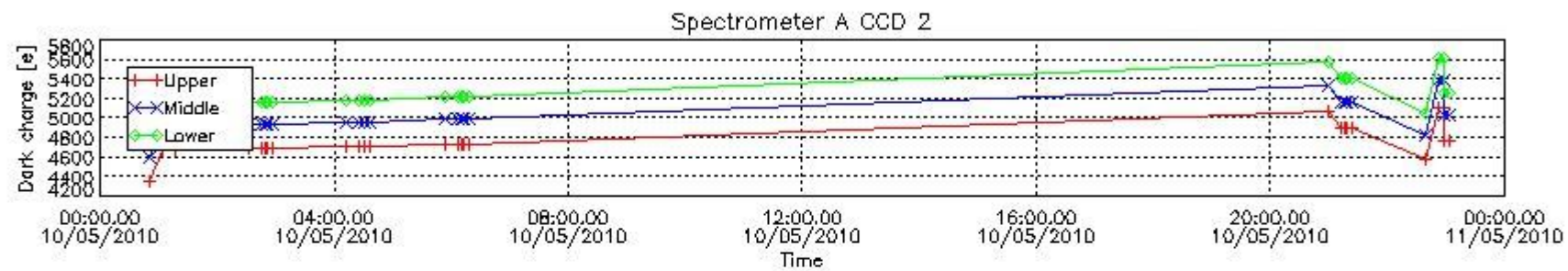
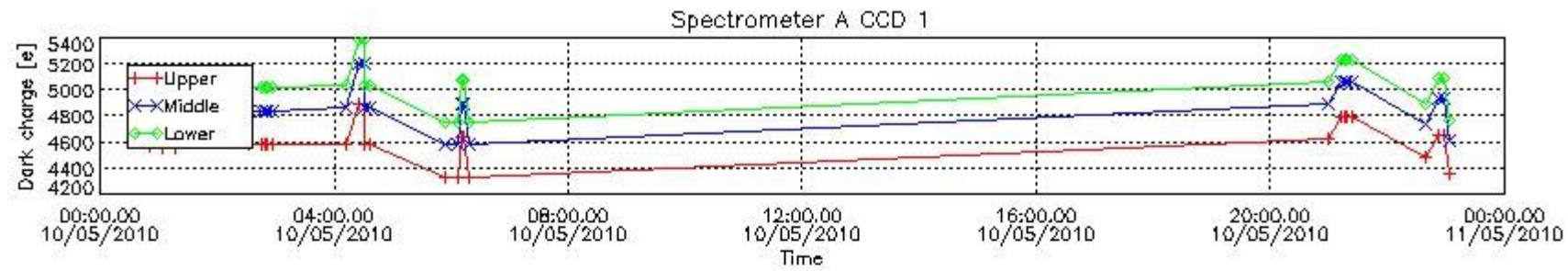
The Dark Charge (DC) is a temperature-dependant signal added to the useful measurements and it is therefore subtracted from them during the processing. There are two phenomena that produce a continuous increase of the DC: the "hot pixels" (a pixel is "hot" when its DC exceeds by a significant amount 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_1PNPDE20100510_195248_000000552089_00200_42839_0392.N1	DC map with no T dep.
GOM_TRA_1PNPDE20100510_195440_000000552089_00200_42839_0393.N1	DC map used
GOM_TRA_1PNPDE20100510_195716_000000552089_00200_42839_0394.N1	DC map used
GOM_TRA_1PNPDE20100510_200034_000000702089_00200_42839_0395.N1	DC map used
GOM_TRA_1PNPDE20100510_200226_000000502089_00200_42839_0396.N1	DC map used
GOM_TRA_1PNPDE20100510_200516_000000412089_00200_42839_0397.N1	DC map used
GOM_TRA_1PNPDE20100510_200714_000000432089_00200_42839_0398.N1	DC map used
GOM_TRA_1PNPDE20100510_201531_000000372089_00200_42839_0399.N1	DC map used
GOM_TRA_1PNPDE20100510_201830_000000402089_00200_42839_0400.N1	DC map used
GOM_TRA_1PNPDE20100510_202136_000000392089_00200_42839_0401.N1	DC map used
GOM_TRA_1PNPDE20100510_202418_000000382089_00200_42839_0402.N1	DC map used
GOM_TRA_1PNPDE20100510_203040_000000432089_00200_42839_0403.N1	DC map used
GOM_TRA_1PNPDE20100510_204130_000000422089_00200_42839_0404.N1	DC map used
GOM_TRA_1PNPDE20100510_204434_000000542089_00200_42839_0405.N1	DC map used
GOM_TRA_1PNPDE20100510_205432_000000582089_00200_42839_0406.N1	DC map used
GOM_TRA_1PNPDE20100510_205732_000000432089_00200_42839_0407.N1	DC map used
GOM_TRA_1PNPDE20100510_205855_000000522089_00200_42839_0408.N1	DC map used

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



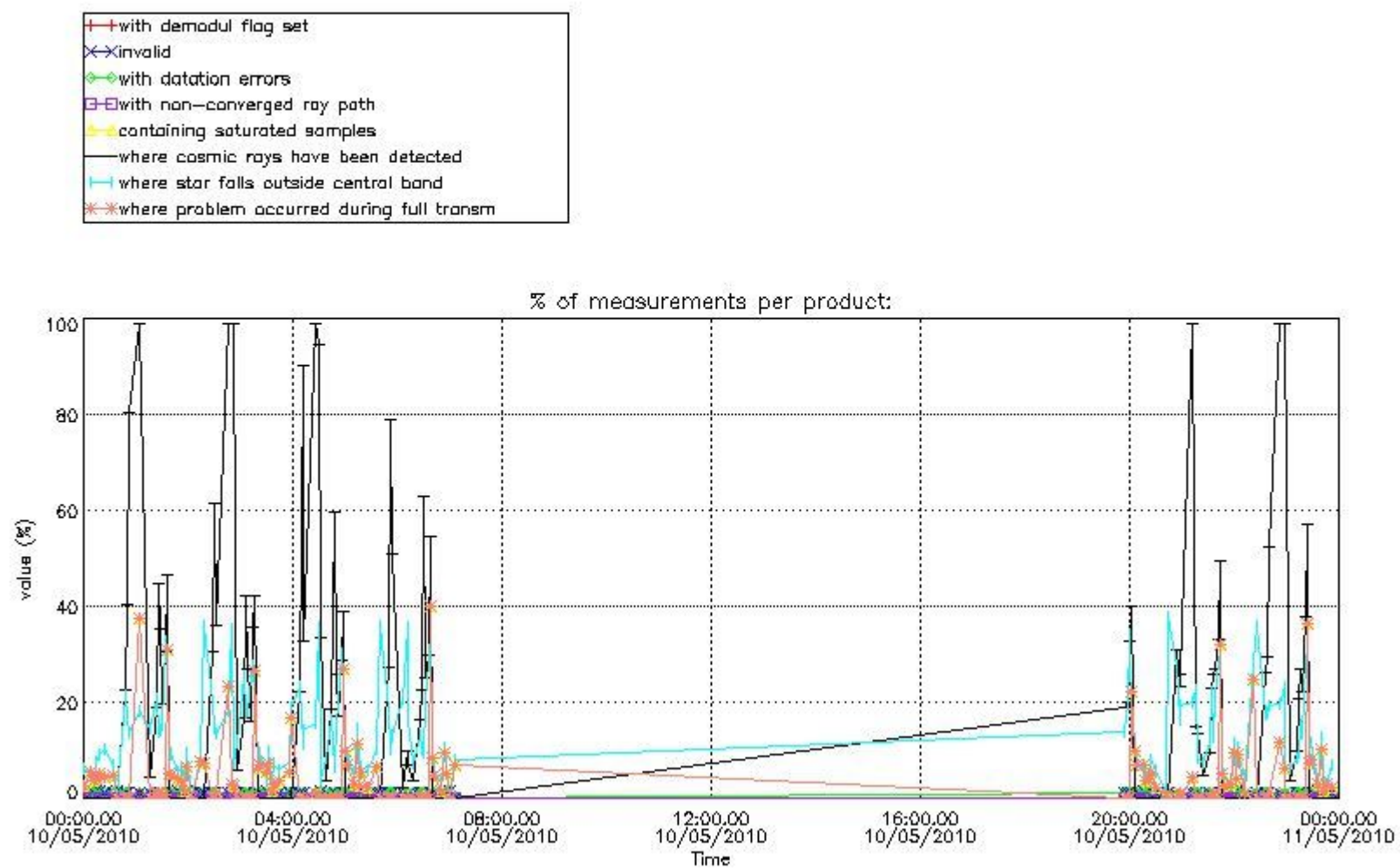
5. Demodulation flag and quality information monitoring

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

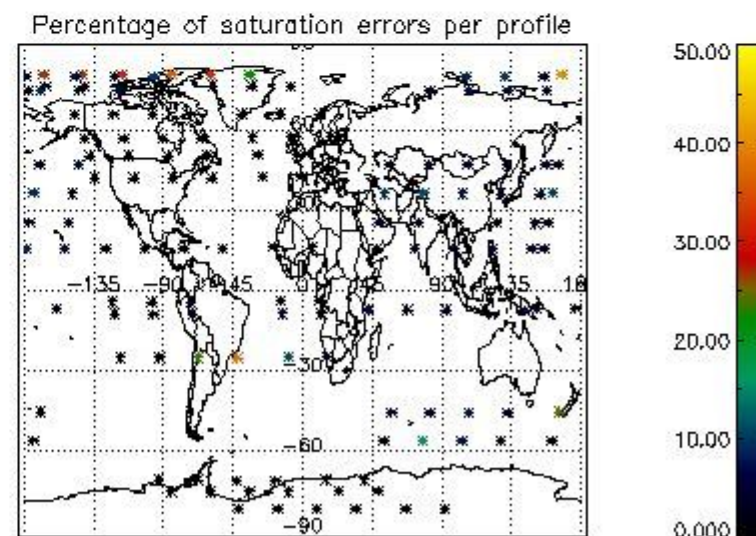
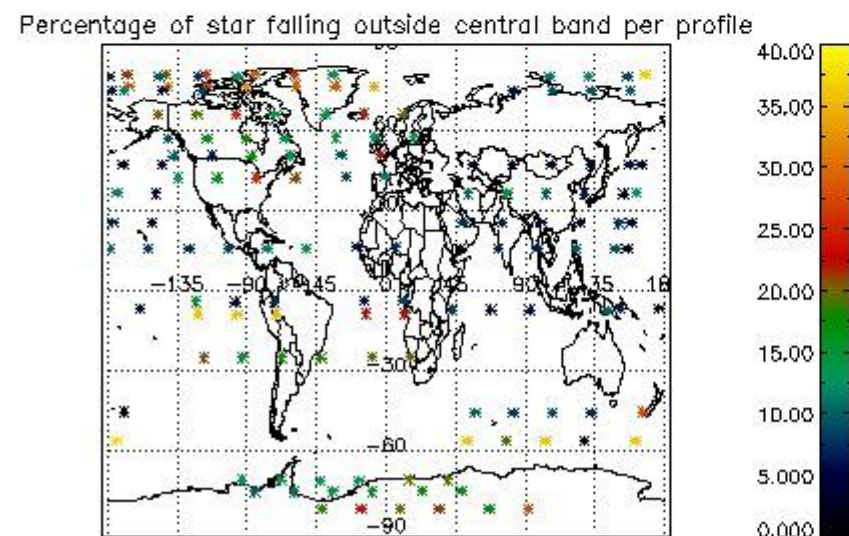
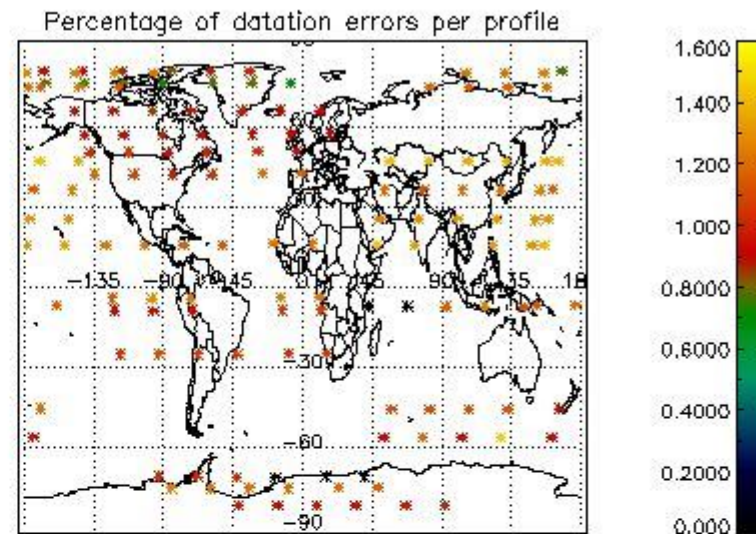
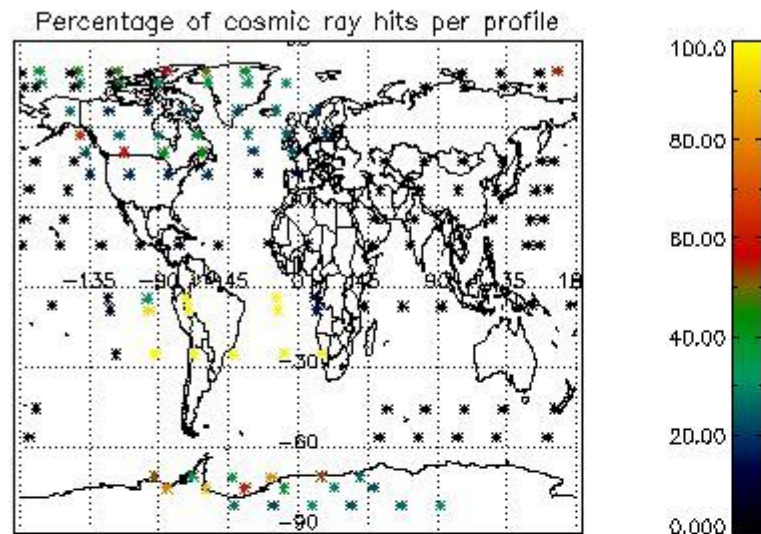
5.1 Percentage of products during reporting period with:

At least one measurement with demodulation flag set:	46.2585 %
Reference spectrum computed from DB:	0.00000 %
Reference spectrum with small number of measurements:	0.00000 %
SATU data not used:	0.00000 %

5.2 Plot quality information per product (time dependant)



5.3 Plot quality information per product (world map)



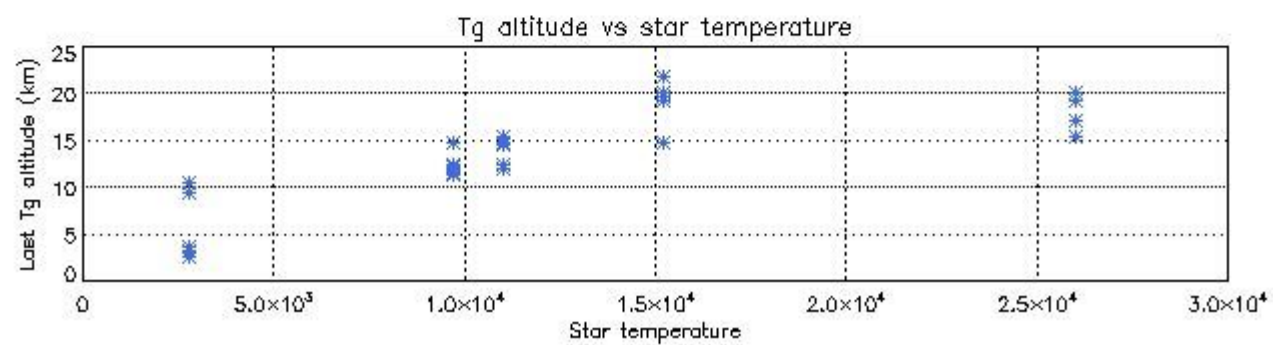
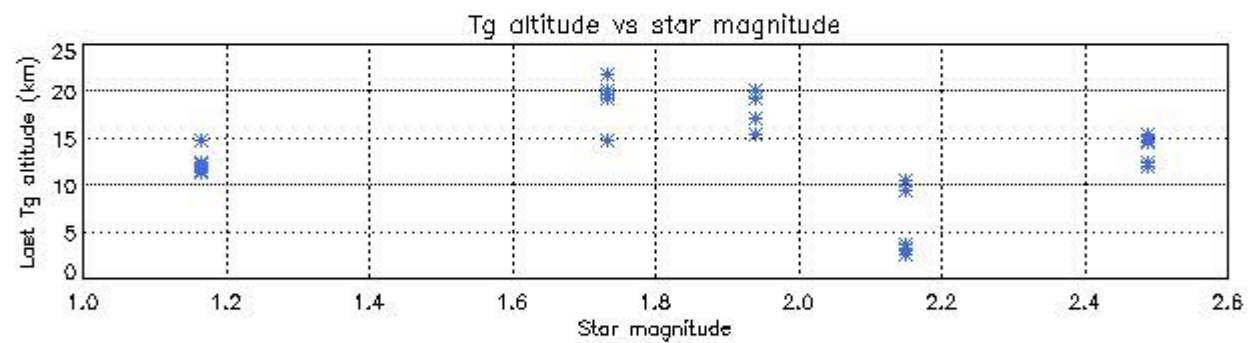
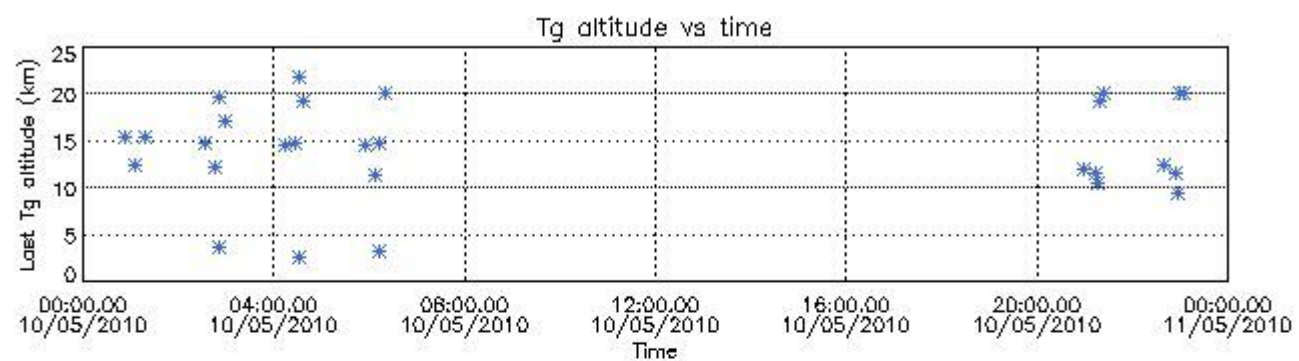
6. Statistics and plot of tangent altitude of the last measurement (DARK & BRIGHT products without errors)

6.1 Statistics on tangent altitude lost:

Statistics	DARK	BRIGHT	TWILIGHT
Mean:	14.073	18.498	14.100
St. deviation:	5.1980	5.6131	1.5887
Maximum:	21.819	28.306	16.262
Minimum:	2.5717	3.7498	12.489
Number of data:	28.000	74.000	6.0000

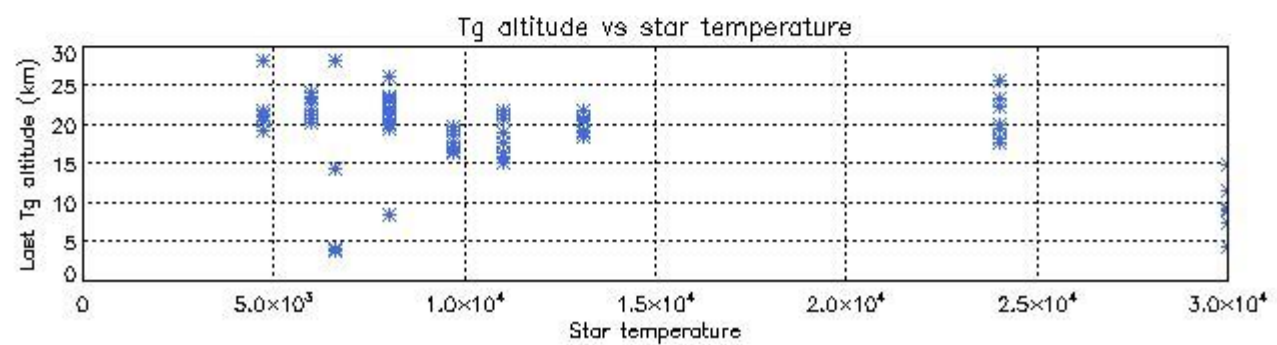
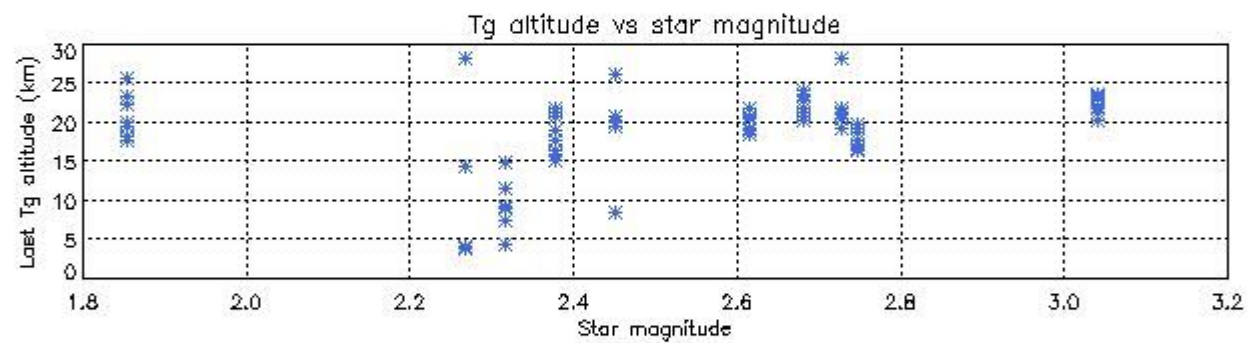
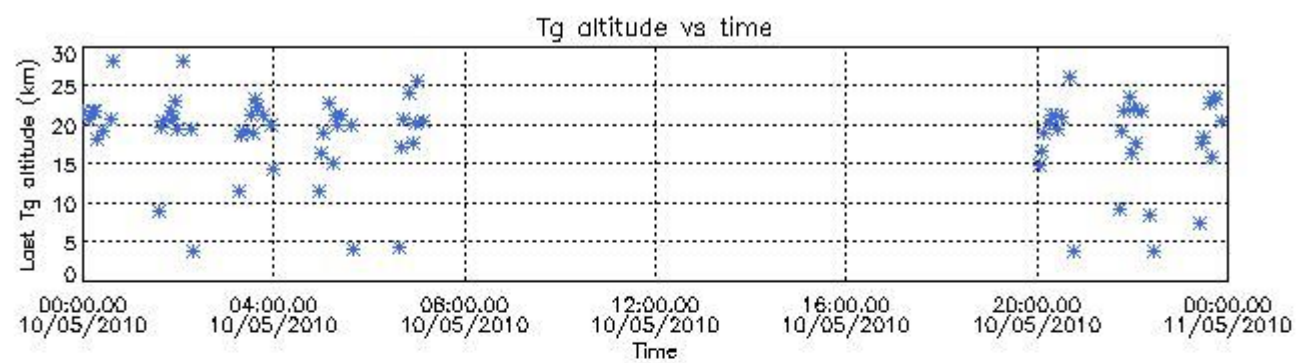
6.2 Plot for DARK limb products

Tangent altitude at which the star is lost



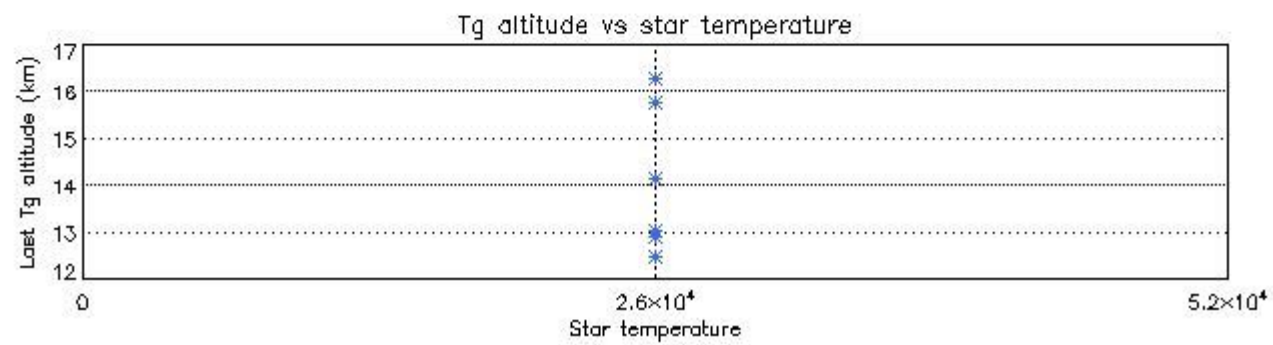
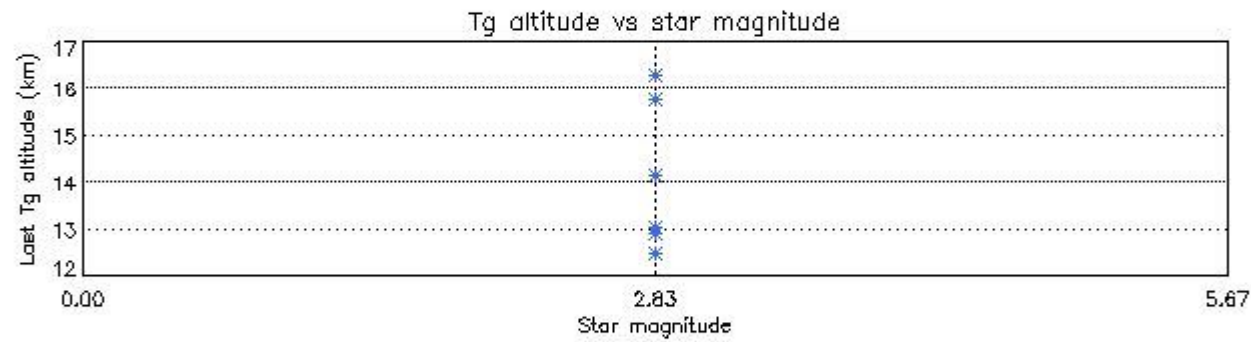
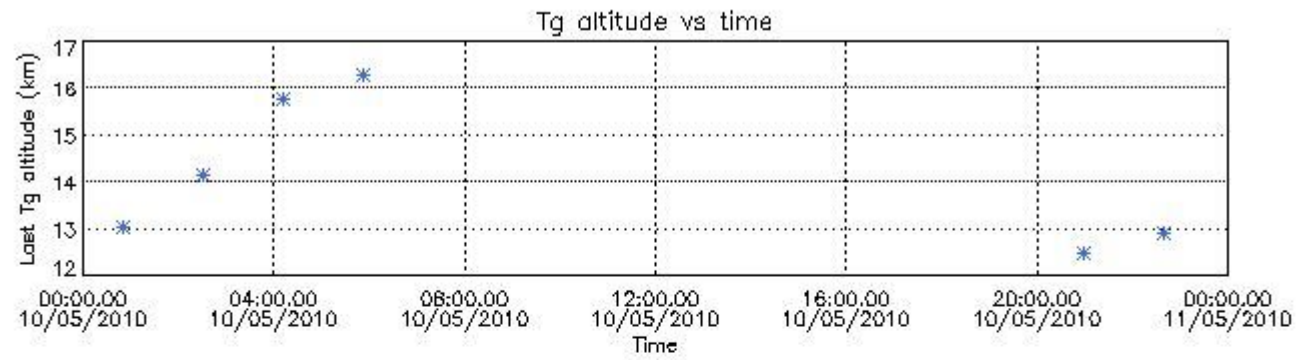
6.3 Plot for BRIGHT limb products

Tangent altitude at which the star is lost



6.3 Plot for TWILIGHT limb products

Tangent altitude at which the star is lost

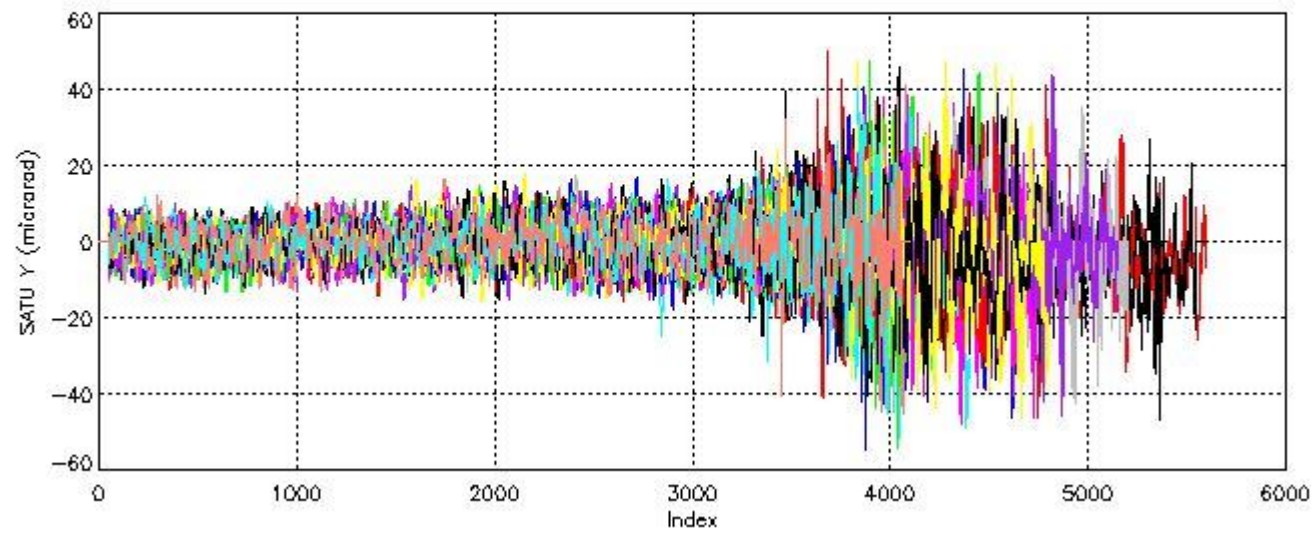
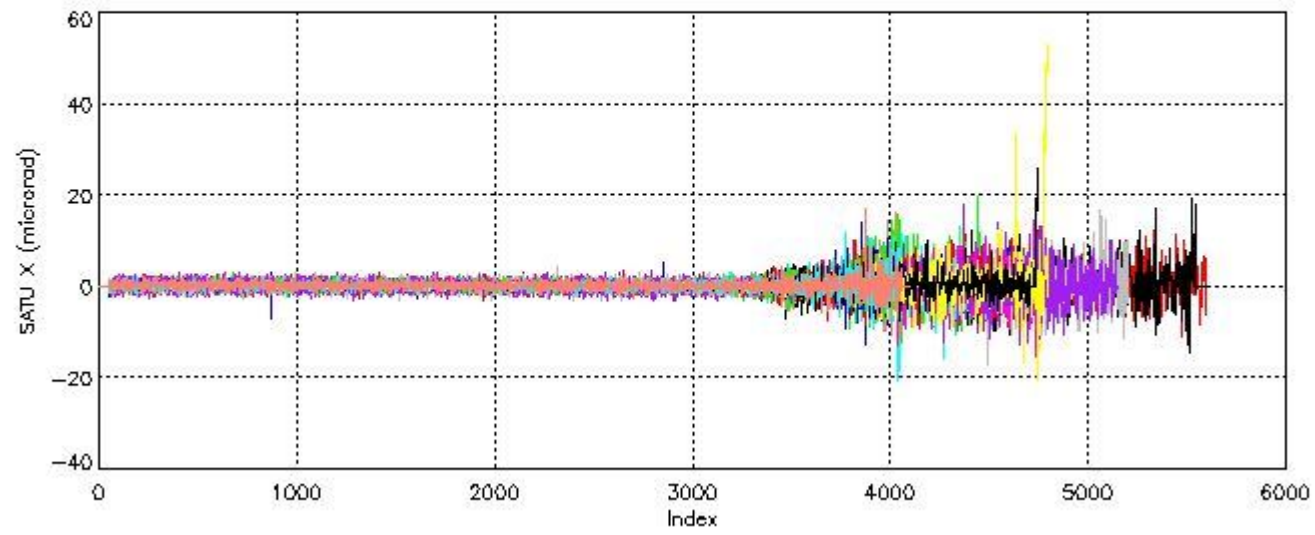


7. Star Acquisition and Tracking Unit (SATU)

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:	0.14559	-0.87912	0.21983	-0.87010
St. deviation:	0.49701	3.7062	0.90968	3.9309
Maximum:	3.0000	12.300	6.5000	17.400
Minimum:	-7.1000	-13.900	-5.0000	-18.200

Number of data:	27250.	27250.	70900.	70900.
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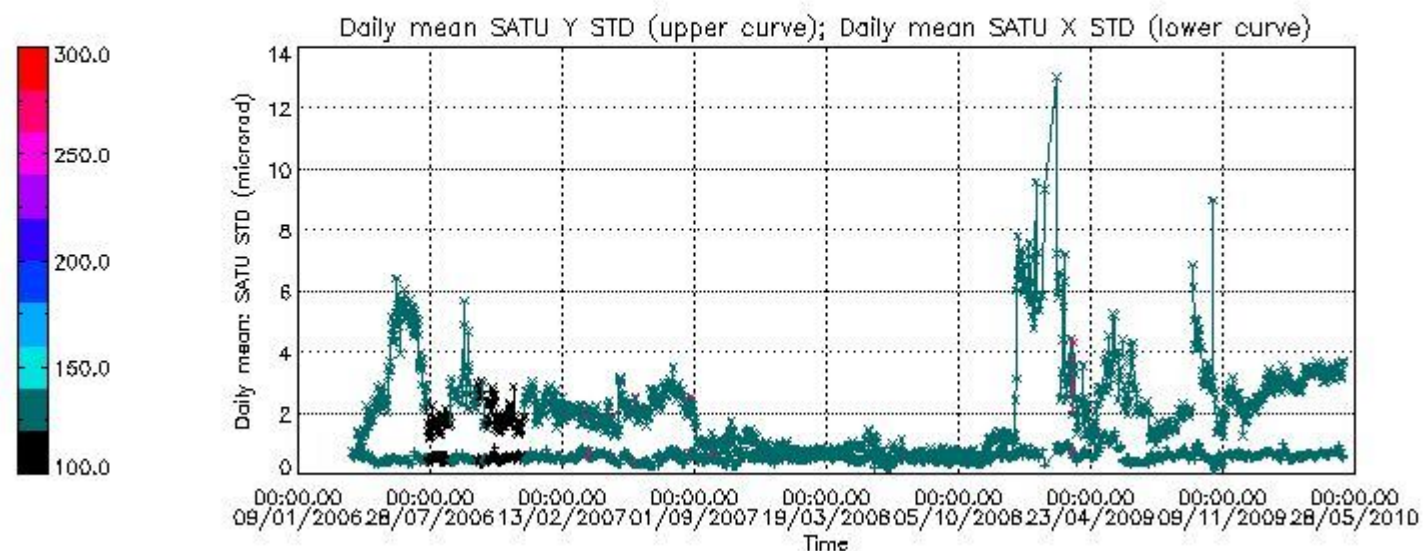
7.2.2 Trend of daily SATU NEA St. deviation since 1st April 2006 (dark limb)

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

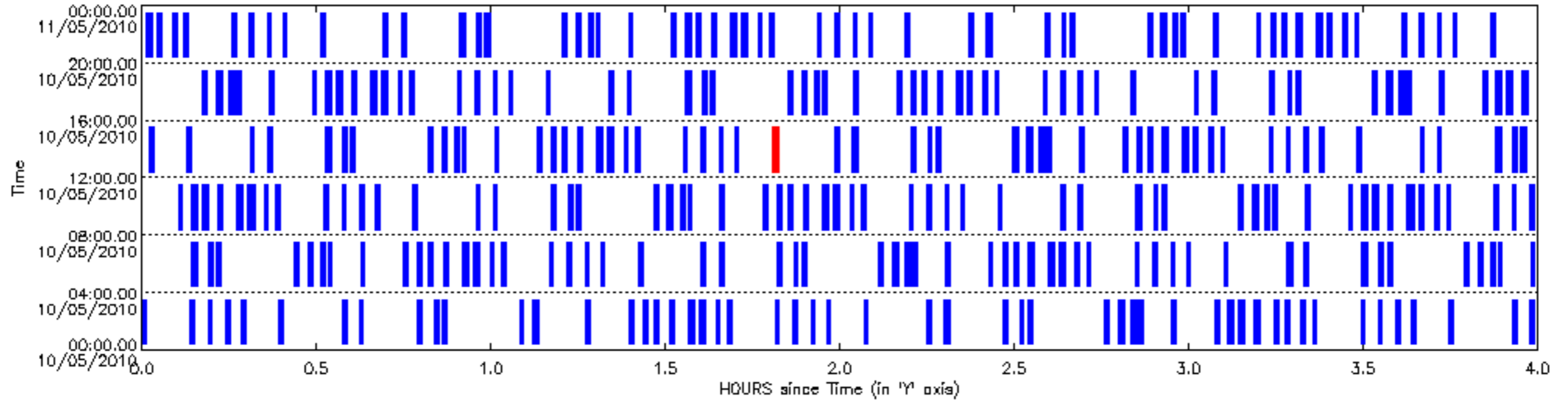
Lower curve: STD of SATU X axis

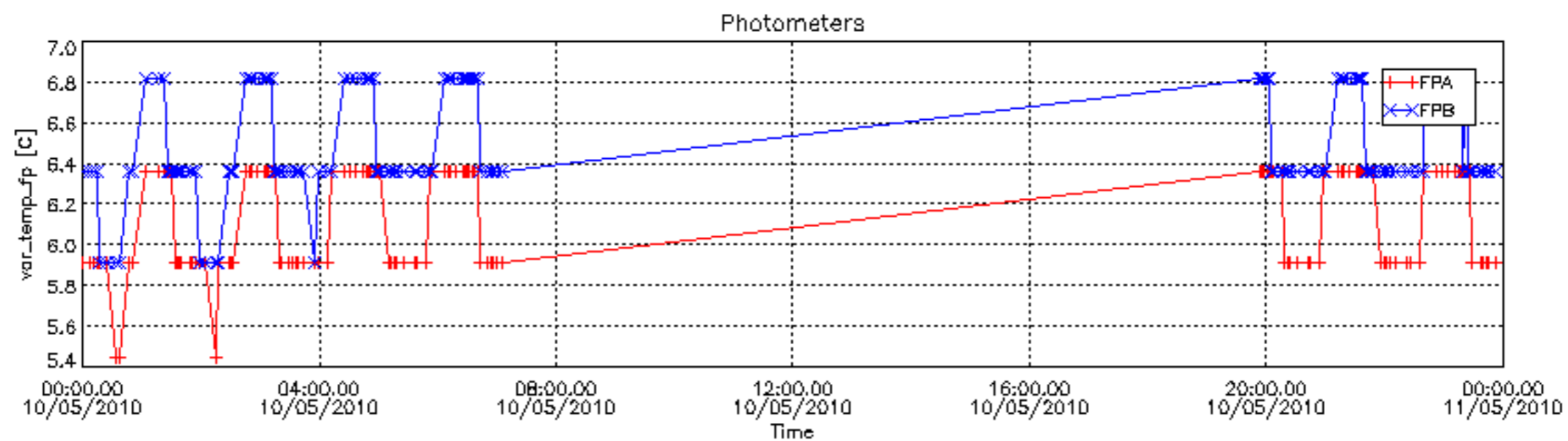
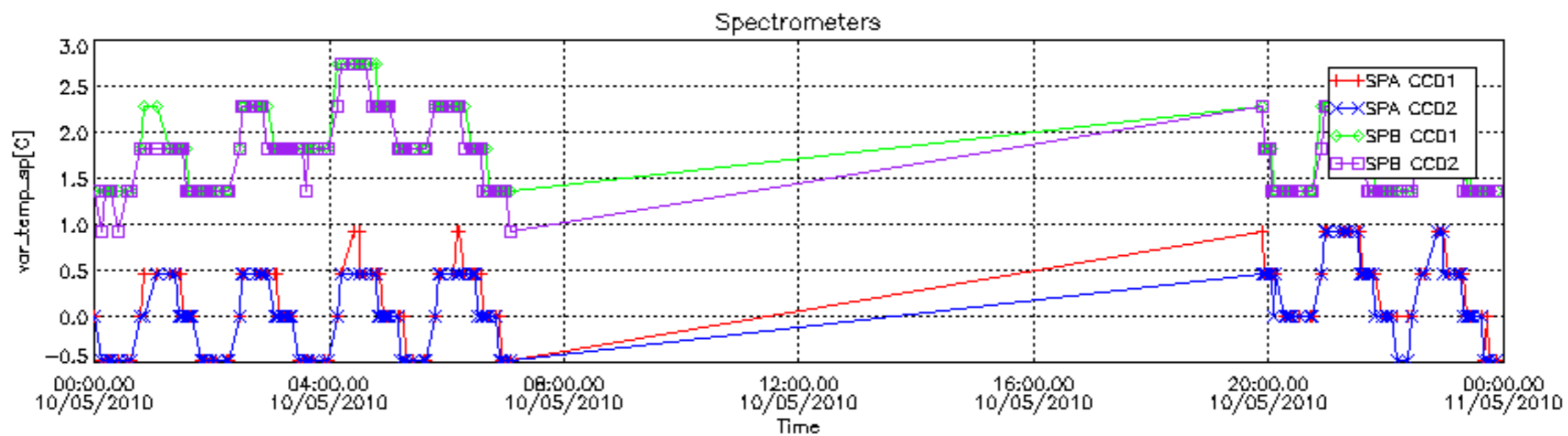


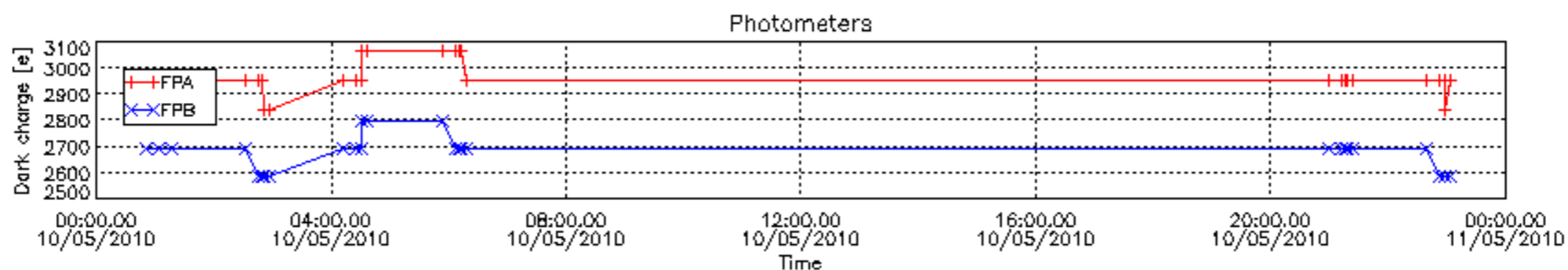
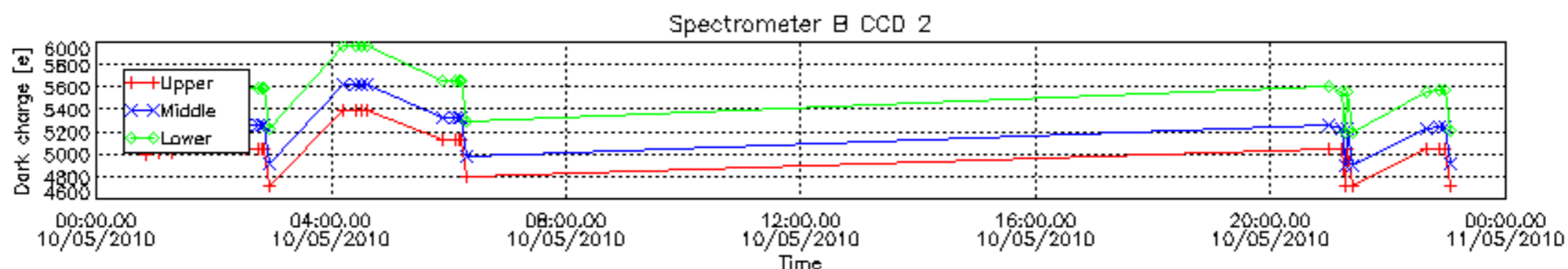
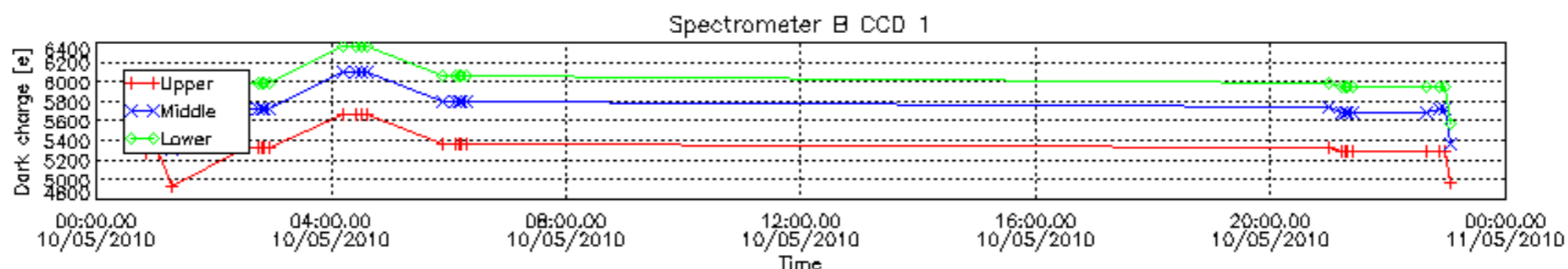
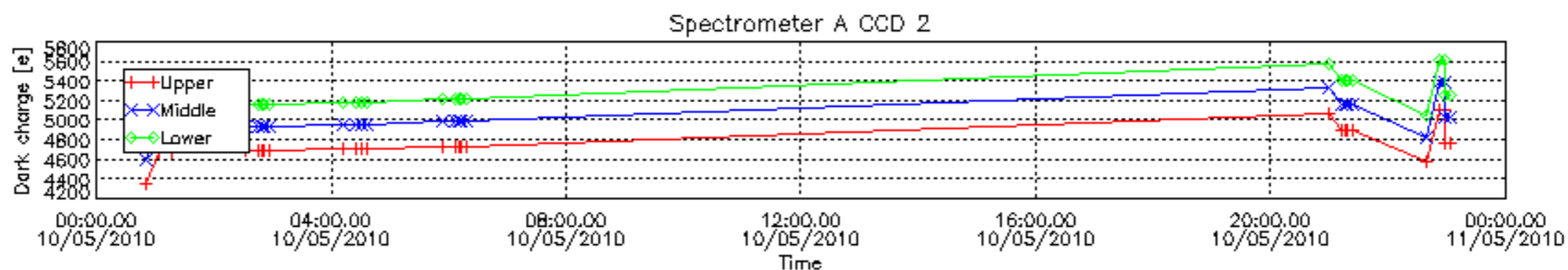
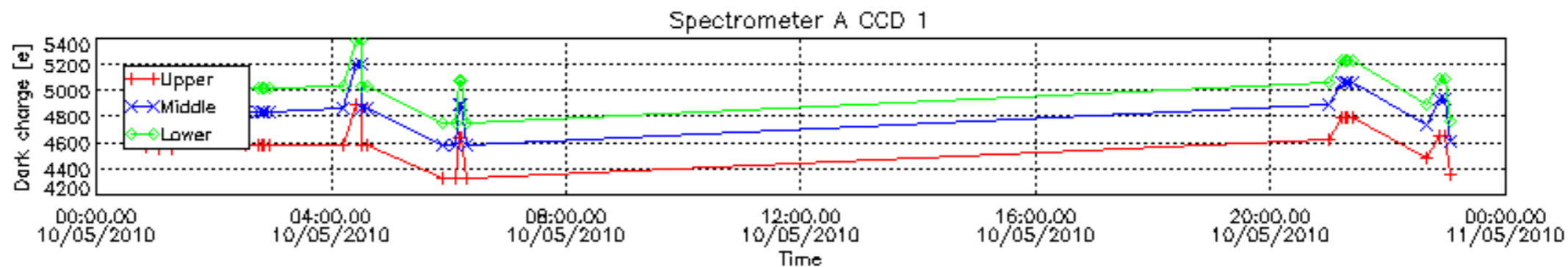
8. Auxiliary Data Files used for the production reported in section 2.4

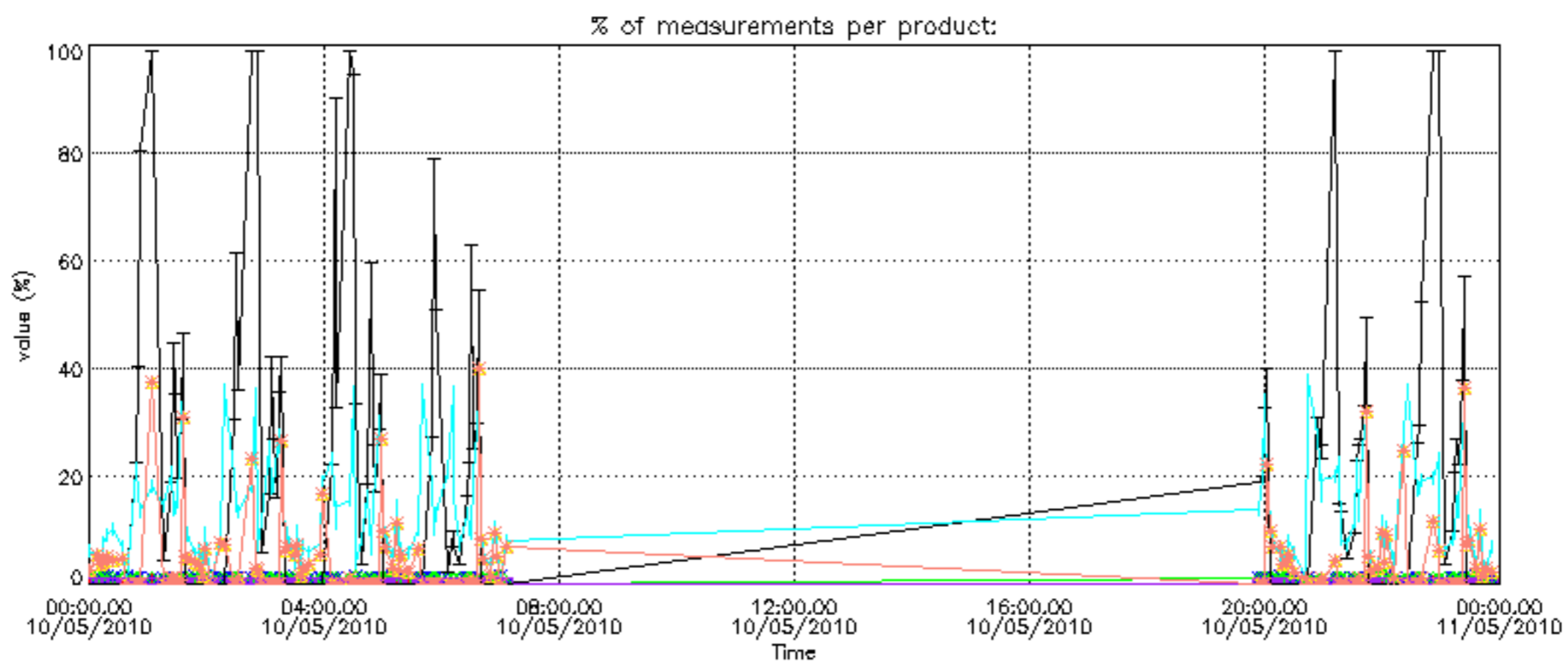
The number reported in the third column indicates since which file (see list in section 2.4) the corresponding auxiliary file has been used. The fourth column is the date of those product files.

Type	Auxiliary Filename	Used since product	Used since product date
INST_PHYS_CHARACTERISTICS	GOM_INS_AXVIEC20091111_143220_20030716_120000_20500101_000000	1	10-MAY-2010 00:00:03
CALIBRATION_DATABASE	GOM_CAL_AXVIEC20100504_084318_20100501_000000_20500101_000000	1	10-MAY-2010 00:00:03
LEVEL-1B_PROC_CONFIG	GOM_PR1_AXVIEC20091111_145255_20020301_000000_20500101_000000	1	10-MAY-2010 00:00:03
STAR_CATALOGUE	GOM_CAT_AXVIEC20020121_161009_20020101_000000_20200101_000000	1	10-MAY-2010 00:00:03
STELLAR_SPECTRA_DATABANK	GOM_STS_AXVIEC20091111_151504_20020101_160000_20500101_000000	1	10-MAY-2010 00:00:03
ECMWF_FILE	AUX_ECF_AXNECM20100509_052119_20100509_210000_20100510_090000	1	10-MAY-2010 00:00:03
ECMWF_FILE	AUX_ECF_AXNECM20100509_172119_20100510_030000_20100510_150000	48	10-MAY-2010 03:44:46
ECMWF_FILE	AUX_ECA_AXNECM20100510_052116_20100509_210000_20100510_090000	71	10-MAY-2010 05:36:10
ECMWF_FILE	AUX_ECA_AXNECM20100510_171625_20100510_090000_20100510_210000	93	10-MAY-2010 19:52:48
ECMWF_FILE	AUX_ECF_AXNECM20100510_054117_20100510_210000_20100511_090000	110	10-MAY-2010 21:12:12
OPTIONAL_ECMWF_FILE	MISSING	1	10-MAY-2010 00:00:03
ORBIT_DATA_FILE	AUX_FPO_AXVPDS20100509_112117_20100508_190107_20100518_202721	1	10-MAY-2010 00:00:03
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20100510_033810_000063762089_00190_42829_0321.N1	48	10-MAY-2010 03:44:46
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20100510_052945_000057382089_00191_42830_0322.N1	71	10-MAY-2010 05:36:10
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20100510_195029_000038252089_00200_42839_0323.N1	93	10-MAY-2010 19:52:48
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20100510_205933_000060572089_00200_42839_0324.N1	110	10-MAY-2010 21:12:12
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20100510_224549_000057382089_00201_42840_0325.N1	132	10-MAY-2010 22:52:49

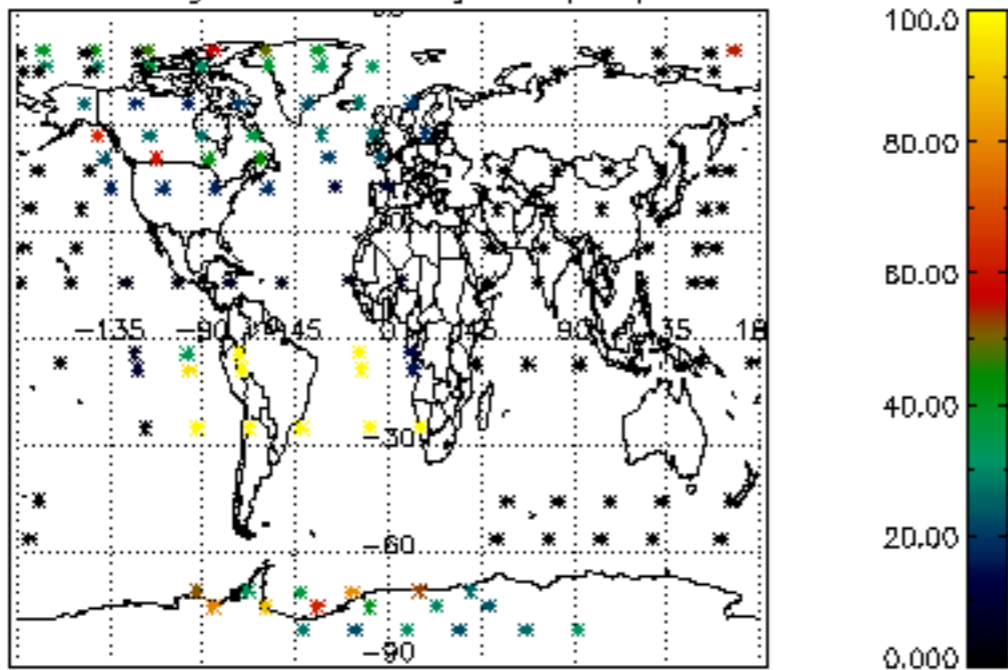




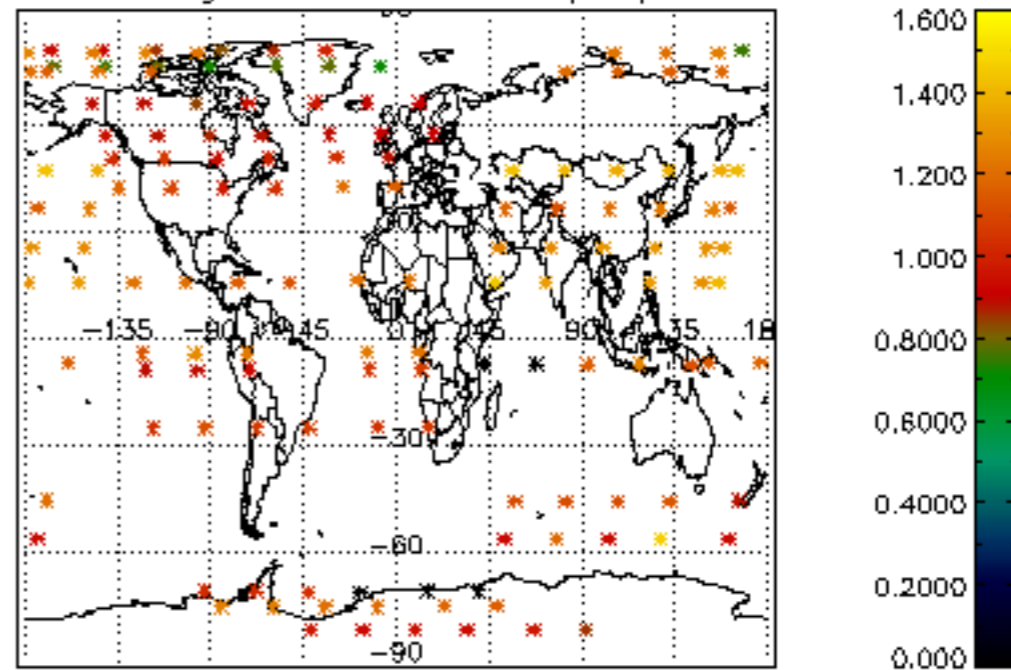




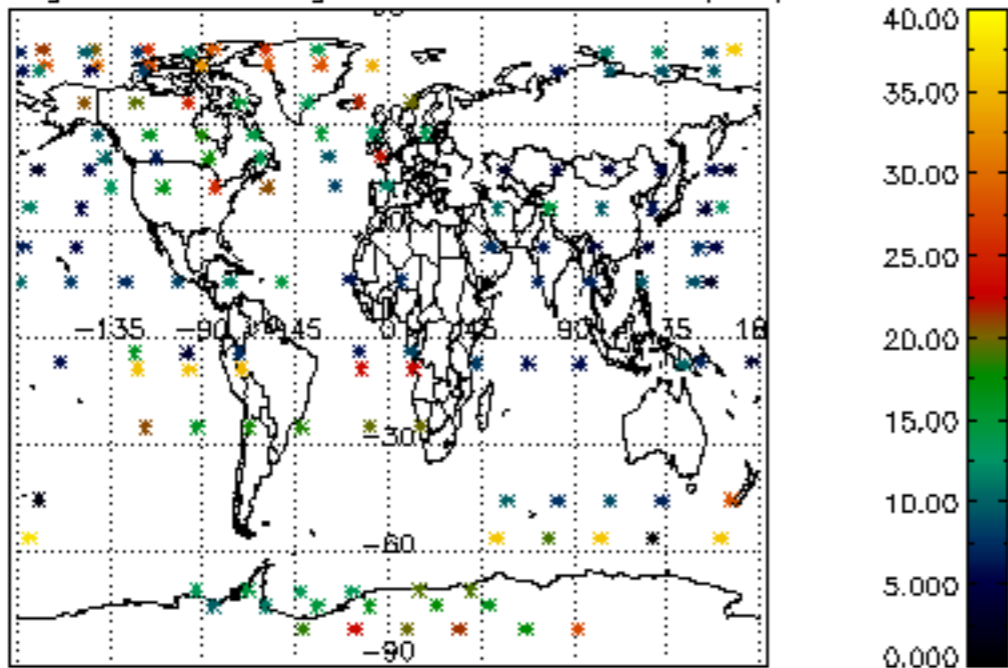
Percentage of cosmic ray hits per profile



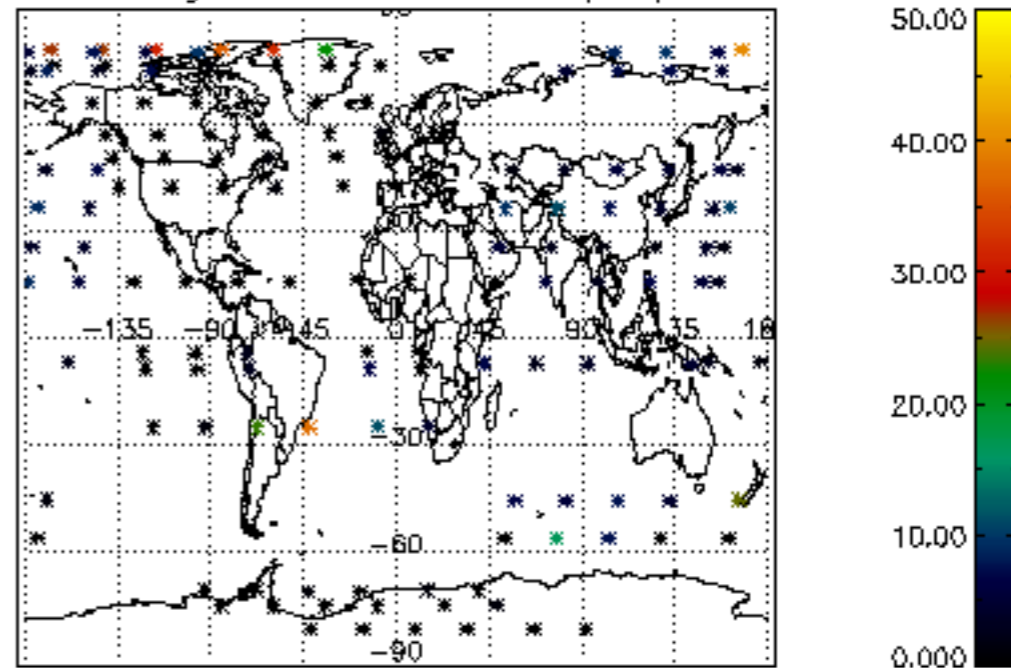
Percentage of datation errors per profile



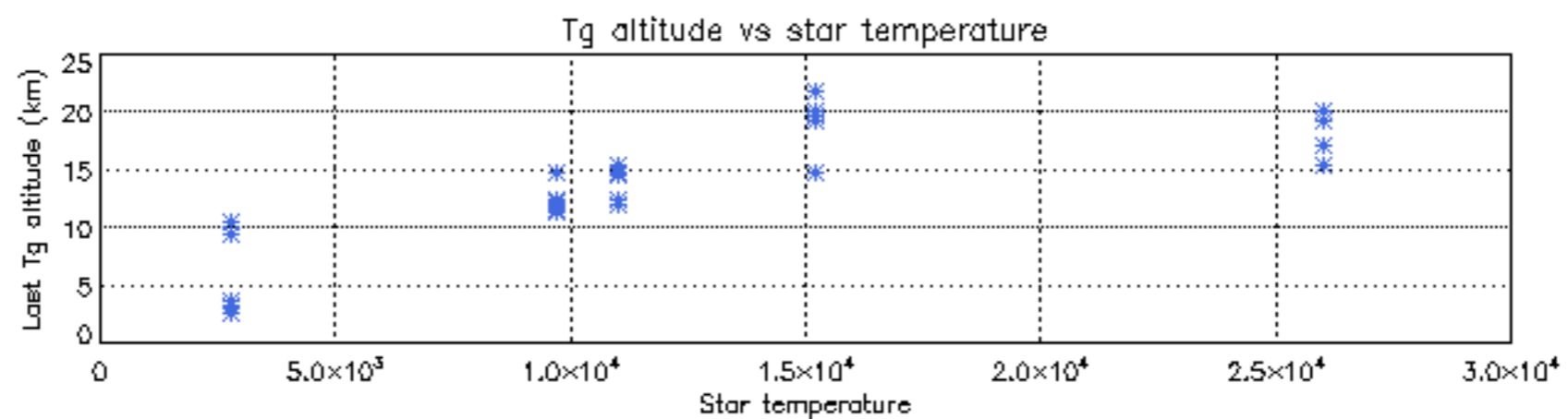
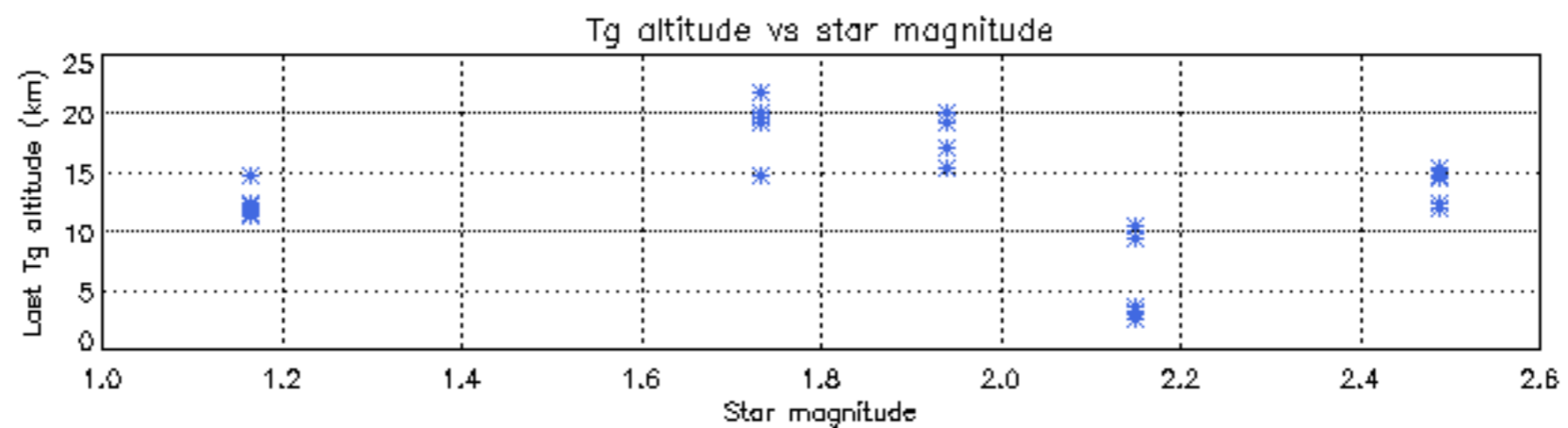
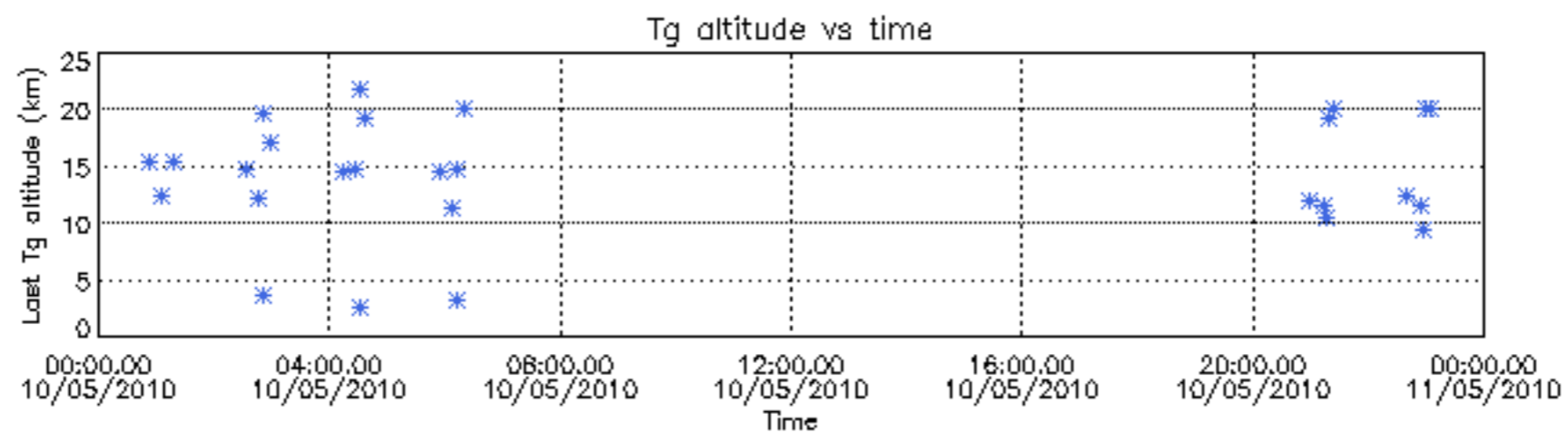
Percentage of star falling outside central band per profile



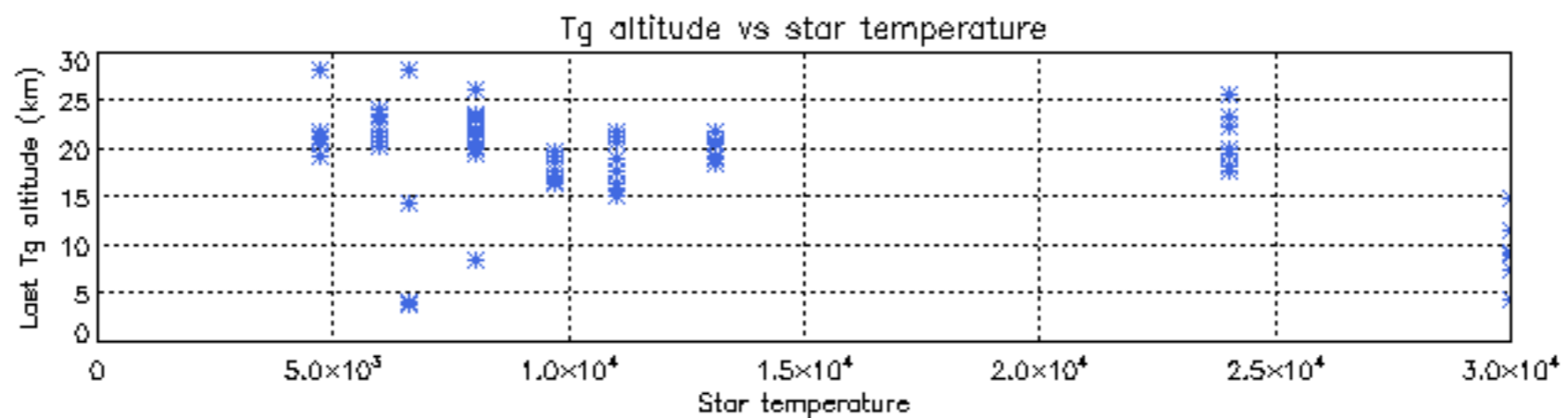
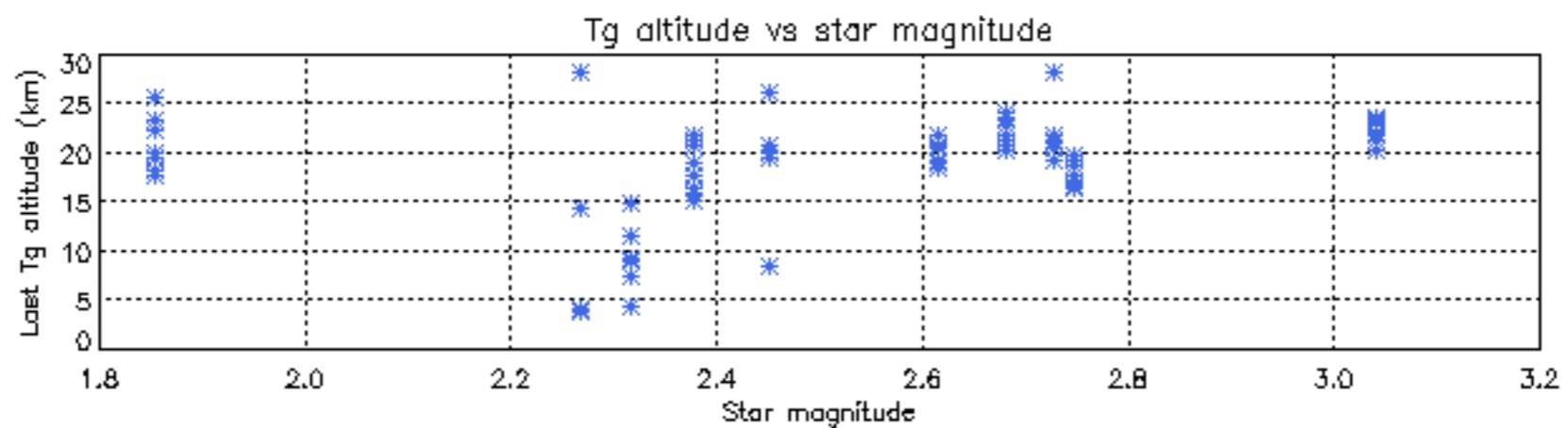
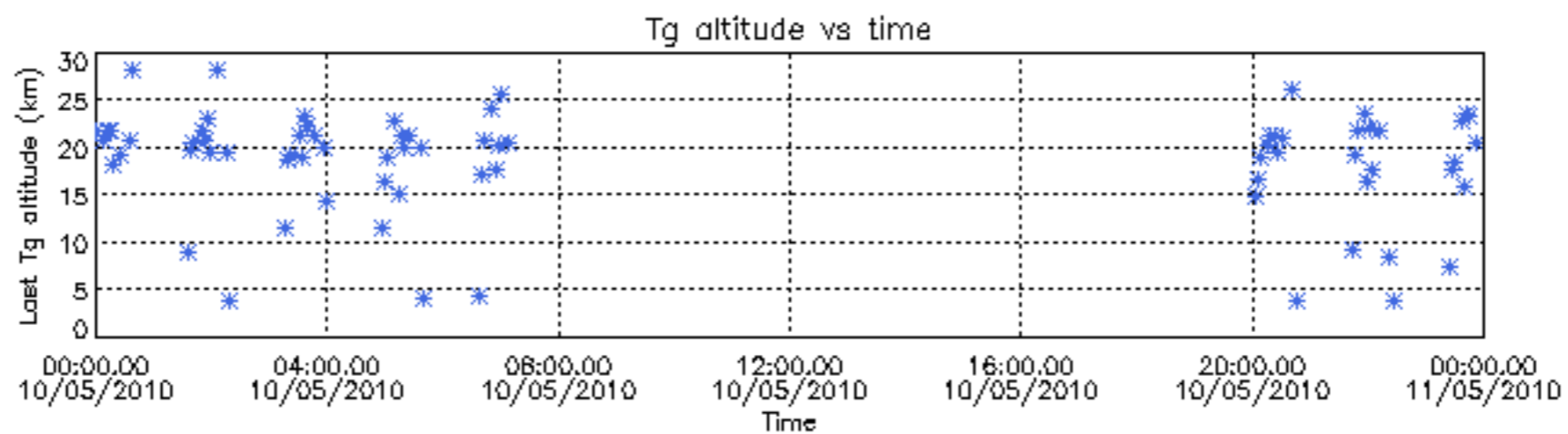
Percentage of saturation errors per profile



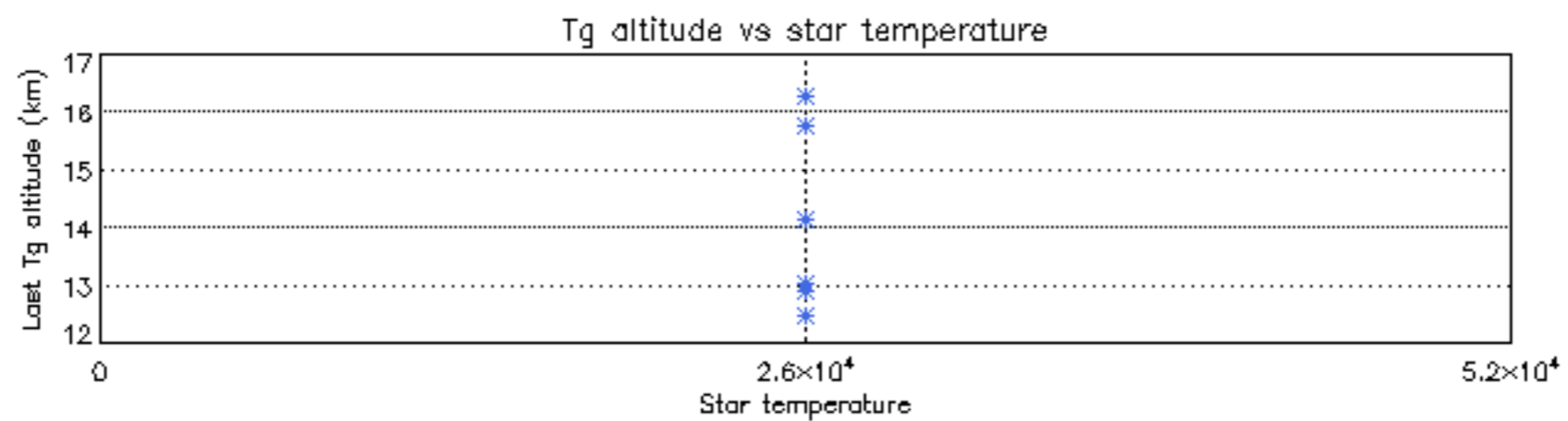
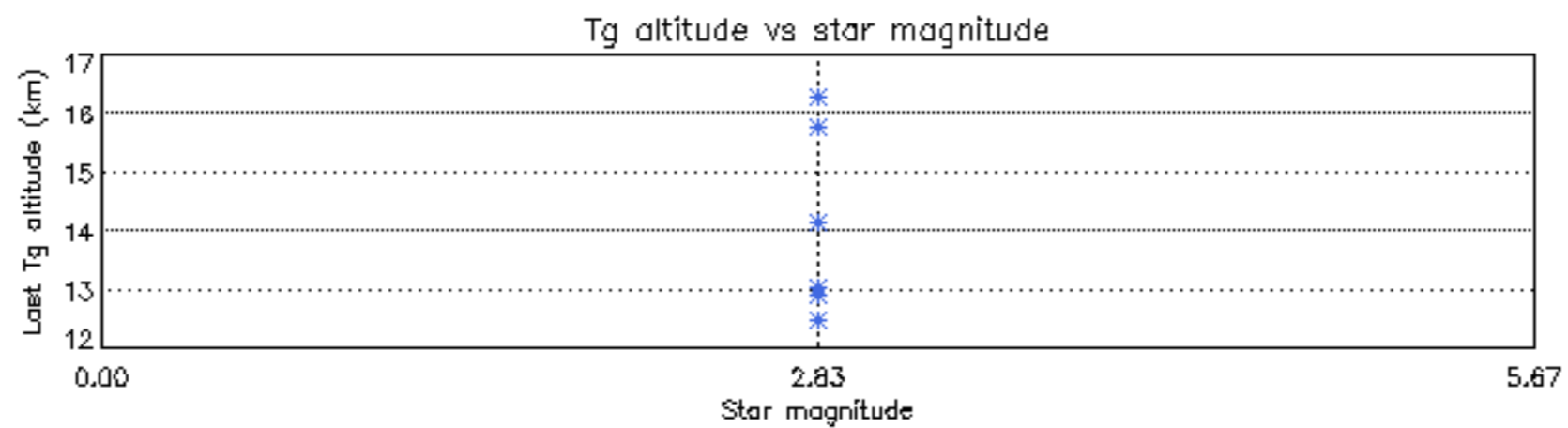
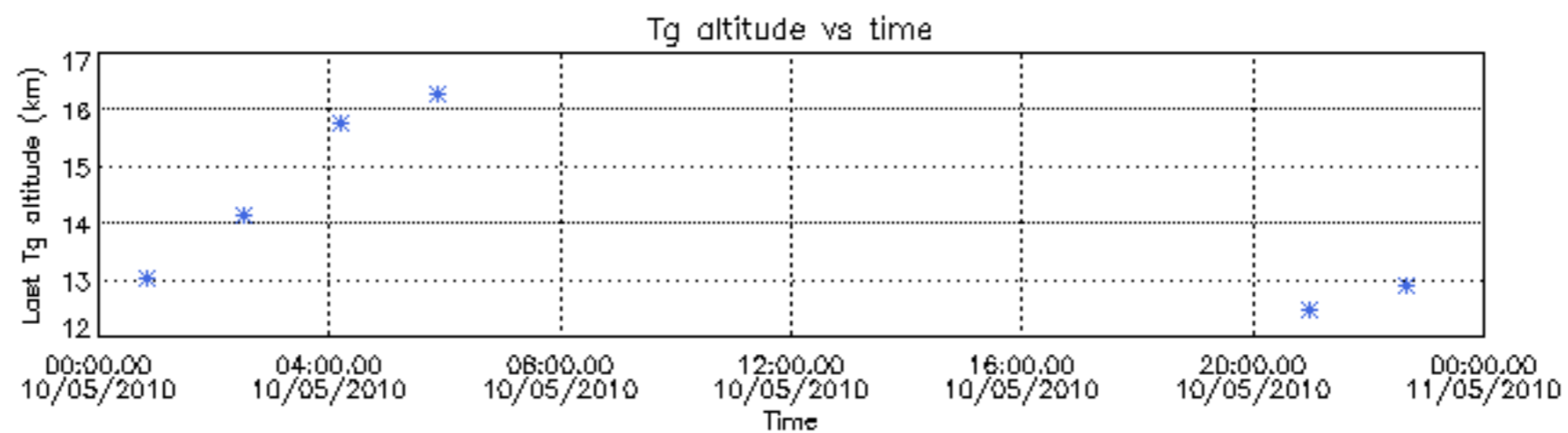
Tangent altitude at which the star is lost

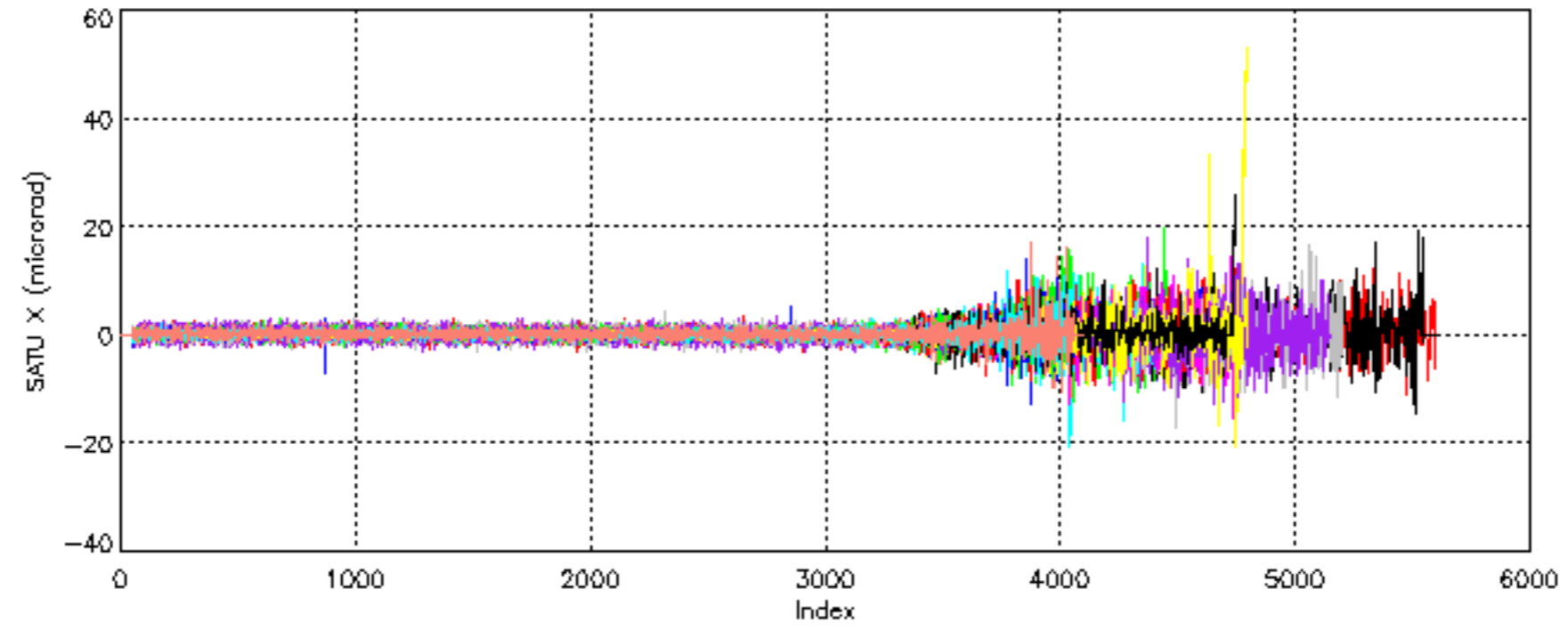


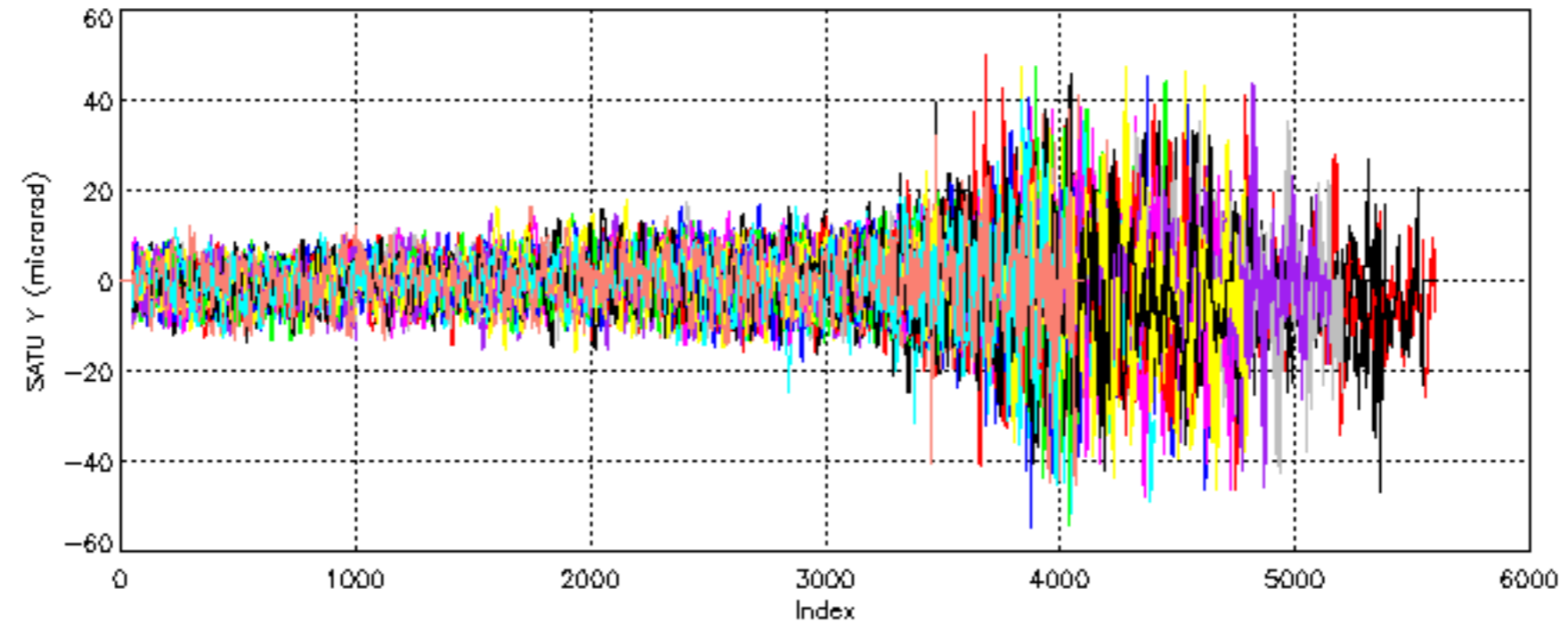
Tangent altitude at which the star is lost

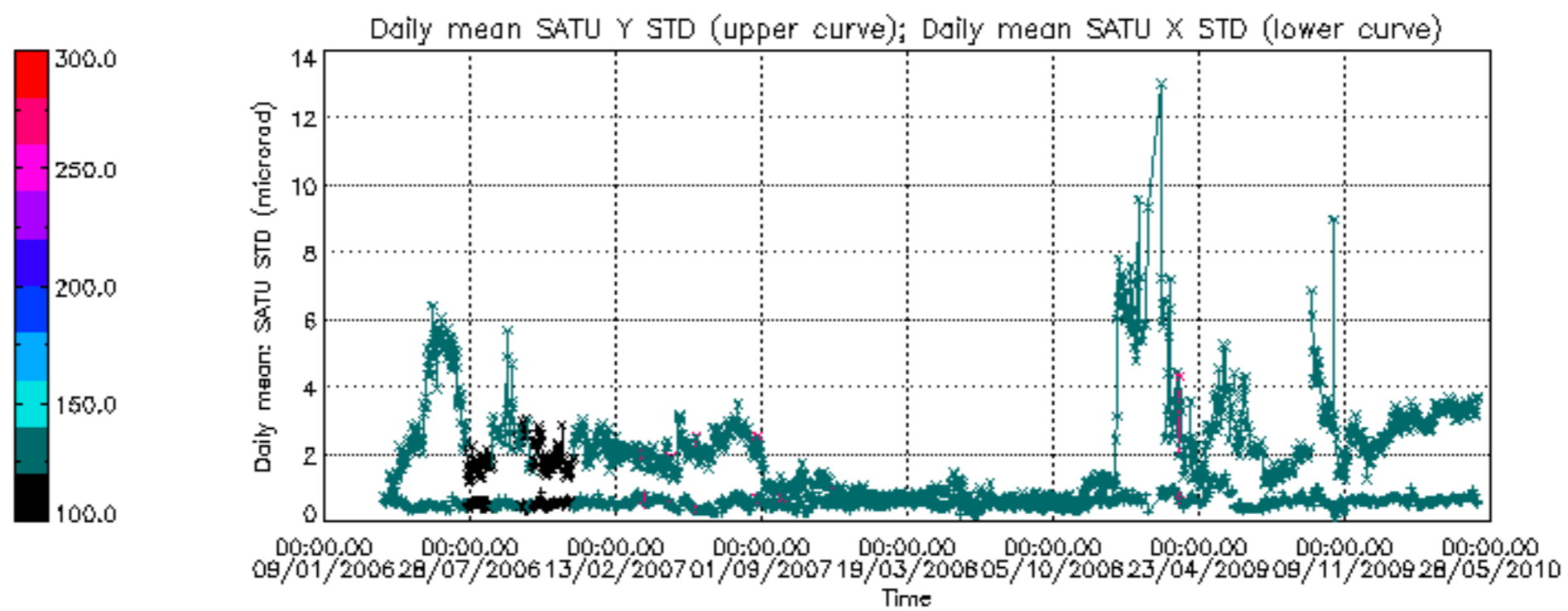


Tangent altitude at which the star is lost









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 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
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 7; 1264.4; 01-MAY-2010 01:15:43; Dark ; 81.0; 16; 21Alp Sco ; 1.02; 3000;occ; 162; 0;42699
 8; 1399.6; 01-MAY-2010 01:17:58; Dark ; 58.5; 80; 7Del Sco ; 2.32; 30000;occ; 117; 0;42699
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 10; 1728.2; 01-MAY-2010 01:23:27; Bright; 47.5; 104; 27Bet Lib ; 2.61; 13100;occ; 95; 0;42699
 11; 2233.6; 01-MAY-2010 01:31:52; Bright; 40.0; 111; 8Eta Boo ; 2.68; 6000;occ; 80; 0;42699
 12; 2456.5; 01-MAY-2010 01:35:35; Bright; 45.5; 83; ; 2.38; 11000;occ; 91; 0;42699
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 14; 2770.6; 01-MAY-2010 01:40:49; Bright; 39.5; 39; 85Eta UMA ; 1.85; 24000;occ; 79; 0;42699
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 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
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 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
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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
 4; -1262.2; 01-MAY-2010 05:35:24; Dark ; 47.5; 90; 54Alp Peg ; 2.49; 11000;occ; 95; 0;42701
 5; -1003.5; 01-MAY-2010 05:39:43; Dark ; 62.5; 61; 8Eps Peg ; 2.10; 3900;occ; 125; 0;42701

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4; 2432.7; 04-MAY-2010 13:25:08; Bright; 41.0; 83; ; 2.38; 11000;occ; 82; 0;42749
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6; 2431.9; 04-MAY-2010 16:46:19; Bright; 42.0; 83; ; 2.38; 11000;occ; 84; 0;42751
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13; 5221.5; 04-MAY-2010 17:32:49; Dark ; 56.0; 162; 34Alp Aqr ; 2.94; 5350;occ; 112; 0;42751
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 7; 901.0; 04-MAY-2010 21:22:36; Dark ; 56.5; 25; 35Lam Sco ; 1.62; 28000;occ; 113; 0;42754
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13; 3802.0; 06-MAY-2010 21:07:43; Bright; 40.0; 89; 5Alp Cep ; 2.45; 8000;occ; 80; 0;42782
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 6; 3166.4; 06-MAY-2010 07:32:20; Bright; 44.0; 119; 14Eta Dra ; 2.73; 4700;occ; 88; 0;42774
 7; 3804.7; 06-MAY-2010 07:42:59; Bright; 44.0; 89; 5Alp Cep ; 2.45; 8000;occ; 88; 0;42774
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 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
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 2; 683.9; 06-MAY-2010 16:54:33; Dark ; 45.0; 141; Bet Ara ; 2.84; 4600;occ; 90; 0;42780
 3; 813.8; 06-MAY-2010 16:56:43; Dark ; 52.0; 40; The Sco ; 1.86; 7100;occ; 104; 0;42780
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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
 6; 816.8; 06-MAY-2010 23:39:10; Dark ; 55.0; 40; The Sco ; 1.86; 7100;occ; 110; 0;42784
 7; 932.0; 06-MAY-2010 23:41:05; Dark ; 39.0; 115; 34Ups Sco ; 2.70; 26000;occ; 78; 0;42784
 8; 1094.6; 06-MAY-2010 23:43:48; Dark ; 59.5; 75; 26Eps Sco ; 2.29; 4250;occ; 119; 0;42784
 9; 1333.9; 06-MAY-2010 23:47:47; Dark ; 25.0; 156; 20Sig Sco ; 2.90; 28000;occ; 50; 0;42784
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12; 1725.1; 06-MAY-2010 23:54:18; Bright; 45.0; 104; 27Bet Lib ; 2.61; 13100;occ; 90; 0;42784
13; 2223.4; 07-MAY-2010 00:02:37; Bright; 36.5; 111; 8Eta Boo ; 2.68; 6000;occ; 73; 0;42784
14; 2418.7; 07-MAY-2010 00:05:52; Bright; 40.0; 83; ; 2.38; 11000;occ; 80; 0;42784
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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
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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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 4; 1725.1; 06-MAY-2010 17:11:55; Bright; 45.0; 104; 27Bet Lib ; 2.61; 13100;occ; 90; 0;42780
 5; 2223.4; 06-MAY-2010 17:20:13; Bright; 36.5; 111; 8Eta Boo ; 2.68; 6000;occ; 73; 0;42780
 6; 2420.2; 06-MAY-2010 17:23:30; Bright; 42.0; 83; ; 2.38; 11000;occ; 84; 0;42780
 7; 2604.4; 06-MAY-2010 17:26:34; Bright; 41.0; 180; 27Gam Boo ; 3.04; 8000;occ; 82; 0;42780
 8; 2755.5; 06-MAY-2010 17:29:05; Bright; 39.0; 39; 85Eta UMa ; 1.85; 24000;occ; 78; 0;42780
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 16; 5721.0; 06-MAY-2010 18:18:30; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;42780
 17; 5935.1; 06-MAY-2010 18:22:05; Dark ; 46.0; 31; Alp Gru ; 1.73; 15200;occ; 92; 0;42780
 18; 6269.2; 06-MAY-2010 18:27:39; Dark ; 43.5; 45; Alp Pav ; 1.94; 26000;occ; 87; 0;42781
 19; 6720.6; 06-MAY-2010 18:35:10; Dark ; 52.0; 141; Bet Ara ; 2.84; 4600;occ; 104; 0;42781
 20; 6850.6; 06-MAY-2010 18:37:20; Dark ; 54.5; 40; The Sco ; 1.86; 7100;occ; 109; 0;42781
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 5; 2223.5; 06-MAY-2010 19:00:49; Bright; 36.5; 111; 8Eta Boo ; 2.68; 6000;occ; 73; 0;42781
 6; 2419.8; 06-MAY-2010 19:04:05; Bright; 42.0; 83; ; 2.38; 11000;occ; 84; 0;42781
 7; 2604.3; 06-MAY-2010 19:07:10; Bright; 40.0; 180; 27Gam Boo ; 3.04; 8000;occ; 80; 0;42781
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 19; 6721.1; 06-MAY-2010 20:15:46; Dark ; 52.0; 141; Bet Ara ; 2.84; 4600;occ; 104; 0;42782
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 7; 932.7; 07-MAY-2010 01:21:42; Dark ; 39.0; 115; 34Ups Sco ; 2.70; 26000;occ; 78; 0;42785
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 12; 1724.9; 07-MAY-2010 01:34:54; Bright; 44.5; 104; 27Bet Lib ; 2.61; 13100;occ; 89; 0;42785
 13; 2223.1; 07-MAY-2010 01:43:12; Bright; 37.0; 111; 8Eta Boo ; 2.68; 6000;occ; 74; 0;42785
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 22; 4803.0; 07-MAY-2010 02:26:12; Dark ; 50.5; 90; 54Alp Peg ; 2.49; 11000;occ; 101; 0;42785
 23; 5588.3; 07-MAY-2010 02:39:17; Dark ; 48.5; 18; 24Alp PsA ; 1.17; 9700;occ; 97; 0;42785


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27; 6723.5; 07-MAY-2010 02:58:13; Dark ; 44.5; 141; Bet Ara ; 2.84; 4600;occ; 89; 0;42786
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31; 7370.4; 07-MAY-2010 03:08:59; Dark ; 30.0; 156; 20Sig Sco ; 2.90; 28000;occ; 60; 0;42786
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36; 8453.8; 07-MAY-2010 03:27:03; Bright; 45.0; 83; ; 2.38; 11000;occ; 90; 0;42786
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22; 8790.4; 07-MAY-2010 05:13:15; Bright; 35.5; 39; 85Eta UMa ; 1.85; 24000;occ; 71; 0;42787
23; 8877.6; 07-MAY-2010 05:14:42; Bright; 37.0; 55; 79Zet UMa ; 2.06; 10200;occ; 74; 0;42787
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18; 2417.2; 07-MAY-2010 06:48:14; Bright; 43.0; 83; ; 2.38; 11000;occ; 86; 0;42788
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8; 2414.1; 07-MAY-2010 20:12:59; Bright; 44.5; 83; ; 2.38; 11000;occ; 89; 0;42796
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5; 244.3; 07-MAY-2010 21:17:25; Dark ; 41.0; 45; Alp Pav ; 1.94; 26000;occ; 82; 0;42797
6; 693.7; 07-MAY-2010 21:24:54; Dark ; 50.0; 141; Bet Ara ; 2.84; 4600;occ; 100; 0;42797
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17; 2753.3; 07-MAY-2010 21:59:14; Bright; 37.0; 39; 85Eta UMa ; 1.85; 24000;occ; 74; 0;42797
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5; 694.4; 07-MAY-2010 23:05:31; Dark ; 51.5; 141; Bet Ara ; 2.84; 4600;occ; 103; 0;42798
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17; 2753.0; 07-MAY-2010 23:39:49; Bright; 37.5; 39; 85Eta UMa ; 1.85; 24000;occ; 75; 0;42798
18; 3152.4; 07-MAY-2010 23:46:29; Bright; 44.0; 119; 14Eta Dra ; 2.73; 4700;occ; 88; 0;42798
19; 3796.1; 07-MAY-2010 23:57:12; Bright; 44.5; 89; 5Alp Cep ; 2.45; 8000;occ; 89; 0;42798
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21; 4554.6; 08-MAY-2010 00:09:51; Dark ; 54.0; 93; 53Bet Peg ; 2.52; 3100;occ; 108; 0;42798
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4; -1231.7; 07-MAY-2010 07:28:01; Dark ; 48.5; 90; 54Alp Peg ; 2.49; 11000;occ; 97; 0;42788
5; -445.9; 07-MAY-2010 07:41:07; Dark ; 46.0; 18; 24Alp PsA ; 1.17; 9700;occ; 92; 0;42788
6; -309.3; 07-MAY-2010 07:43:24; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;42788
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9; 689.3; 07-MAY-2010 08:00:02; Dark ; 44.5; 141; Bet Ara ; 2.84; 4600;occ; 89; 0;42789
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13; 1335.6; 07-MAY-2010 08:10:48; Dark ; 34.0; 156; 20Sig Sco ; 2.90; 28000;occ; 68; 0;42789
14; 1424.9; 07-MAY-2010 08:12:18; Dark ; 58.0; 80; 7Del Sco ; 2.32; 30000;occ; 116; 0;42789
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 3; 2222.8; 07-MAY-2010 08:25:36; Bright; 38.5; 111; 8Eta Boo ; 2.68; 6000;occ; 77; 0;42789
 4; 2416.9; 07-MAY-2010 08:28:50; Bright; 40.0; 83; ; 2.38; 11000;occ; 80; 0;42789
 5; 2601.4; 07-MAY-2010 08:31:54; Bright; 39.5; 180; 27Gam Boo ; 3.04; 8000;occ; 79; 0;42789
 6; 2754.4; 07-MAY-2010 08:34:27; Bright; 37.5; 39; 85Eta UMa ; 1.85; 24000;occ; 75; 0;42789
 7; 2841.6; 07-MAY-2010 08:35:54; Bright; 36.5; 55; 79Zet UMa ; 2.06; 10200;occ; 73; 0;42789
 8; 3157.8; 07-MAY-2010 08:41:11; Bright; 42.5; 119; 14Eta Dra ; 2.73; 4700;occ; 85; 0;42789
 9; 3799.5; 07-MAY-2010 08:51:52; Bright; 45.0; 89; 5Alp Cep ; 2.45; 8000;occ; 90; 0;42789
10; 3965.4; 07-MAY-2010 08:54:38; Bright; 34.0; 74; 11Bet Cas ; 2.27; 6600;occ; 68; 0;42789
11; 4553.1; 07-MAY-2010 09:04:26; Dark ; 52.5; 93; 53Bet Peg ; 2.52; 3100;occ; 105; 0;42789
12; 4804.7; 07-MAY-2010 09:08:38; Dark ; 47.5; 90; 54Alp Peg ; 2.49; 11000;occ; 95; 0;42789
13; 5590.7; 07-MAY-2010 09:21:44; Dark ; 44.5; 18; 24Alp PsA ; 1.17; 9700;occ; 89; 0;42789
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16; 6275.3; 07-MAY-2010 09:33:08; Dark ; 40.5; 45; Alp Pav ; 1.94; 26000;occ; 81; 0;42790
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22; 7460.7; 07-MAY-2010 09:52:54; Dark ; 56.5; 80; 7Del Sco ; 2.32; 30000;occ; 113; 0;42790
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 3; 2416.5; 07-MAY-2010 10:09:25; Bright; 42.5; 83; ; 2.38; 11000;occ; 85; 0;42790
 4; 2601.1; 07-MAY-2010 10:12:30; Bright; 39.5; 180; 27Gam Boo ; 3.04; 8000;occ; 79; 0;42790
 5; 2754.2; 07-MAY-2010 10:15:03; Bright; 38.0; 39; 85Eta UMa ; 1.85; 24000;occ; 76; 0;42790
 6; 3157.2; 07-MAY-2010 10:21:46; Bright; 43.5; 119; 14Eta Dra ; 2.73; 4700;occ; 87; 0;42790
 7; 3799.0; 07-MAY-2010 10:32:28; Bright; 55.5; 89; 5Alp Cep ; 2.45; 8000;occ; 111; 0;42790
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3; 1439.9; 11-MAY-2010 16:09:40; Dark ; 62.5; 80; 7Del Sco ; 2.32; 30000;occ; 125; 0;42851
4; 1607.4; 11-MAY-2010 16:12:28; Bright; 40.0; 122; 9Alp2Lib ; 2.75; 9700;occ; 80; 0;42851
5; 1725.1; 11-MAY-2010 16:14:26; Bright; 42.0; 104; 27Bet Lib ; 2.61; 13100;occ; 84; 0;42851
6; 2220.6; 11-MAY-2010 16:22:41; Bright; 35.5; 111; 8Eta Boo ; 2.68; 6000;occ; 71; 0;42851
7; 2397.1; 11-MAY-2010 16:25:38; Bright; 43.0; 83; ; 2.38; 11000;occ; 86; 0;42851
8; 2583.7; 11-MAY-2010 16:28:44; Bright; 38.0; 180; 27Gam Boo ; 3.04; 8000;occ; 76; 0;42851
9; 2747.8; 11-MAY-2010 16:31:28; Bright; 36.0; 39; 85Eta UMa ; 1.85; 24000;occ; 72; 0;42851
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11; 3776.0; 11-MAY-2010 16:48:36; Bright; 46.0; 89; 5Alp Cep ; 2.45; 8000;occ; 92; 0;42851
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21; 6904.4; 11-MAY-2010 17:40:45; Dark ; 54.5; 40; The Sco ; 1.86; 7100;occ; 109; 0;42852
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 11; 3123.6; 11-MAY-2010 18:18:20; Bright; 39.5; 119; 14Eta Dra ; 2.73; 4700;occ; 79; 0;42852
 12; 3775.6; 11-MAY-2010 18:29:12; Bright; 44.5; 89; 5Alp Cep ; 2.45; 8000;occ; 89; 0;42852
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 4; -51.5; 11-MAY-2010 22:27:13; Dark ; 44.0; 31; Alp Gru ; 1.73; 15200;occ; 88; 0;42854
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 9; 1134.6; 11-MAY-2010 22:46:59; Dark ; 54.5; 75; 26Eps Sco ; 2.29; 4250;occ; 109; 0;42855
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 13; 1725.3; 11-MAY-2010 22:56:50; Bright; 42.5; 104; 27Bet Lib ; 2.61; 13100;occ; 85; 0;42855
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 17; 2747.4; 11-MAY-2010 23:13:52; Bright; 34.5; 39; 85Eta UMa ; 1.85; 24000;occ; 69; 0;42855
 18; 3121.9; 11-MAY-2010 23:20:06; Bright; 43.0; 119; 14Eta Dra ; 2.73; 4700;occ; 86; 0;42855
 19; 3774.1; 11-MAY-2010 23:30:58; Bright; 45.0; 89; 5Alp Cep ; 2.45; 8000;occ; 90; 0;42855
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 23; 4832.1; 11-MAY-2010 23:48:36; Dark ; 50.5; 90; 54Alp Peg ; 2.49; 11000;occ; 101; 0;42855

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 5; 1440.2; 11-MAY-2010 19:30:53; Dark ; 54.0; 80; 7Del Sco ; 2.32; 30000;occ; 108; 0;42853
 6; 1608.0; 11-MAY-2010 19:33:40; Bright; 39.5; 122; 9Alp2Lib ; 2.75; 9700;occ; 79; 0;42853
 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
 14; 3964.5; 11-MAY-2010 20:12:57; Bright; 48.5; 74; 11Bet Cas ; 2.27; 6600;occ; 97; 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
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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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 5; 284.7; 12-MAY-2010 00:13:25; Dark ; 42.0; 45; Alp Pav ; 1.94; 26000;occ; 84; 0;42856
 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
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11; 1441.0; 12-MAY-2010 00:32:41; Dark ; 59.0; 80; 7Del Sco ; 2.32; 30000;occ; 118; 0;42856
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11; 727.8; 12-MAY-2010 03:42:00; Dark ; 42.0; 141; Bet Ara ; 2.84; 4600;occ; 84; 0;42858
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16; 1441.4; 12-MAY-2010 03:53:53; Dark ; 59.0; 80; 7Del Sco ; 2.32; 30000;occ; 118; 0;42858
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 3; 1609.4; 12-MAY-2010 15:40:53; Bright; 38.0; 122; 9Alp2Lib ; 2.75; 9700;occ; 76; 0;42865
 4; 1725.5; 12-MAY-2010 15:42:49; Bright; 42.5; 104; 27Bet Lib ; 2.61; 13100;occ; 85; 0;42865
 5; 2236.5; 12-MAY-2010 15:51:20; Bright; 37.0; 3; 16Alp Boo ; -0.05; 4250;occ; 74; 0;42865
 6; 2393.6; 12-MAY-2010 15:53:57; Bright; 42.5; 83; ; 2.38; 11000;occ; 85; 0;42865
 7; 2580.7; 12-MAY-2010 15:57:04; Bright; 37.5; 180; 27Gam Boo ; 3.04; 8000;occ; 75; 0;42865
 8; 2747.1; 12-MAY-2010 15:59:51; Bright; 34.0; 39; 85Eta UMa ; 1.85; 24000;occ; 68; 0;42865
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10; 3770.5; 12-MAY-2010 16:16:54; Bright; 44.5; 89; 5Alp Cep ; 2.45; 8000;occ; 89; 0;42865
11; 3964.0; 12-MAY-2010 16:20:07; Bright; 38.0; 74; 11Bet Cas ; 2.27; 6600;occ; 76; 0;42865
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13; 4749.6; 12-MAY-2010 16:33:13; Dark ; 41.5; 140; 88Gam Peg ; 2.83; 26000;occ; 83; 0;42865
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16; 5785.6; 12-MAY-2010 16:50:29; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;42865
17; 5909.7; 12-MAY-2010 16:52:33; Dark ; 56.0; 63; Bet Gru ; 2.15; 2800;occ; 112; 0;42865
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 6; 2063.0; 12-MAY-2010 17:29:02; Bright; 31.0; 102; 24Alp Ser ; 2.60; 4250;occ; 62; 0;42866
 7; 2236.4; 12-MAY-2010 17:31:56; Bright; 37.0; 3; 16Alp Boo ; -0.05; 4250;occ; 74; 0;42866
 8; 2393.2; 12-MAY-2010 17:34:33; Bright; 43.5; 83; ; 2.38; 11000;occ; 87; 0;42866
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10; 2746.9; 12-MAY-2010 17:40:26; Bright; 37.5; 39; 85Eta UMa ; 1.85; 24000;occ; 75; 0;42866
11; 3116.7; 12-MAY-2010 17:46:36; Bright; 39.5; 119; 14Eta Dra ; 2.73; 4700;occ; 79; 0;42866
12; 3769.8; 12-MAY-2010 17:57:29; Bright; 42.5; 89; 5Alp Cep ; 2.45; 8000;occ; 85; 0;42866

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 22; 6915.4; 12-MAY-2010 18:49:55; Dark ; 54.5; 40; The Sco ; 1.86; 7100;occ; 109; 0;42867
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 3; 1334.2; 12-MAY-2010 18:57:30; Dark ; 56.5; 16; 21Alp Sco ; 1.02; 3000;occ; 113; 0;42867
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 5; 1609.5; 12-MAY-2010 19:02:05; Bright; 40.5; 122; 9Alp2Lib ; 2.75; 9700;occ; 81; 0;42867
 6; 1725.5; 12-MAY-2010 19:04:01; Bright; 42.0; 104; 27Bet Lib ; 2.61; 13100;occ; 84; 0;42867
 7; 2062.6; 12-MAY-2010 19:09:38; Bright; 31.0; 102; 24Alp Ser ; 2.60; 4250;occ; 62; 0;42867
 8; 2236.4; 12-MAY-2010 19:12:32; Bright; 37.0; 3; 16Alp Boo ; -0.05; 4250;occ; 74; 0;42867
 9; 2393.0; 12-MAY-2010 19:15:08; Bright; 39.0; 83; ; 2.38; 11000;occ; 78; 0;42867
 10; 2580.1; 12-MAY-2010 19:18:16; Bright; 39.5; 180; 27Gam Boo ; 3.04; 8000;occ; 79; 0;42867
 11; 2746.6; 12-MAY-2010 19:21:02; Bright; 38.5; 39; 85Eta UMa ; 1.85; 24000;occ; 77; 0;42867
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 22; 6329.2; 12-MAY-2010 20:20:45; Dark ; 41.0; 45; Alp Pav ; 1.94; 26000;occ; 82; 0;42868
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 24; 6915.6; 12-MAY-2010 20:30:31; Dark ; 54.0; 40; The Sco ; 1.86; 7100;occ; 108; 0;42868
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 3; 1334.8; 12-MAY-2010 20:38:06; Dark ; 58.0; 16; 21Alp Sco ; 1.02; 3000;occ; 116; 0;42868
 4; 1443.7; 12-MAY-2010 20:39:55; Dark ; 54.0; 80; 7Del Sco ; 2.32; 30000;occ; 108; 0;42868
 5; 1609.5; 12-MAY-2010 20:42:41; Bright; 39.0; 122; 9Alp2Lib ; 2.75; 9700;occ; 78; 0;42868
 6; 1725.7; 12-MAY-2010 20:44:37; Bright; 40.5; 104; 27Bet Lib ; 2.61; 13100;occ; 81; 0;42868
 7; 2062.0; 12-MAY-2010 20:50:13; Bright; 38.0; 102; 24Alp Ser ; 2.60; 4250;occ; 76; 0;42868
 8; 2236.1; 12-MAY-2010 20:53:08; Bright; 38.5; 3; 16Alp Boo ; -0.05; 4250;occ; 77; 0;42868
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 11; 2746.7; 12-MAY-2010 21:01:38; Bright; 37.5; 39; 85Eta UMa ; 1.85; 24000;occ; 75; 0;42868
 12; 3115.4; 12-MAY-2010 21:07:47; Bright; 43.0; 119; 14Eta Dra ; 2.73; 4700;occ; 86; 0;42868
 13; 3769.1; 12-MAY-2010 21:18:41; Bright; 44.0; 89; 5Alp Cep ; 2.45; 8000;occ; 88; 0;42868
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 15; 4568.9; 12-MAY-2010 21:32:00; Dark ; 58.5; 93; 53Bet Peg ; 2.52; 3100;occ; 117; 0;42868
 16; 4750.4; 12-MAY-2010 21:35:02; Dark ; 40.0; 140; 88Gam Peg ; 2.83; 26000;occ; 80; 0;42868
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 4; -41.3; 12-MAY-2010 21:55:46; Dark ; 41.5; 31; Alp Gru ; 1.73; 15200;occ; 83; 0;42868
 5; 294.2; 12-MAY-2010 22:01:22; Dark ; 40.5; 45; Alp Pav ; 1.94; 26000;occ; 81; 0;42869
 6; 733.8; 12-MAY-2010 22:08:41; Dark ; 49.5; 141; Bet Ara ; 2.84; 4600;occ; 99; 0;42869
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 8; 992.2; 12-MAY-2010 22:13:00; Dark ; 54.0; 25; 35Lam Sco ; 1.62; 28000;occ; 108; 0;42869
 9; 1141.8; 12-MAY-2010 22:15:29; Dark ; 53.5; 75; 26Eps Sco ; 2.29; 4250;occ; 107; 0;42869
 10; 1335.1; 12-MAY-2010 22:18:42; Dark ; 58.5; 16; 21Alp Sco ; 1.02; 3000;occ; 117; 0;42869
 11; 1443.8; 12-MAY-2010 22:20:31; Dark ; 63.0; 80; 7Del Sco ; 2.32; 30000;occ; 126; 0;42869
 12; 1609.8; 12-MAY-2010 22:23:17; Bright; 39.0; 122; 9Alp2Lib ; 2.75; 9700;occ; 78; 0;42869

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14; 2061.9; 12-MAY-2010 22:30:49; Bright; 38.0; 102; 24Alp Ser ; 2.60; 4250;occ; 76; 0;42869
15; 2236.3; 12-MAY-2010 22:33:44; Bright; 37.0; 3; 16Alp Boo ;-0.05; 4250;occ; 74; 0;42869
16; 2392.5; 12-MAY-2010 22:36:20; Bright; 41.5; 83; ; 2.38; 11000;occ; 83; 0;42869
17; 2579.7; 12-MAY-2010 22:39:27; Bright; 38.0; 180; 27Gam Boo ; 3.04; 8000;occ; 76; 0;42869
18; 2747.0; 12-MAY-2010 22:42:14; Bright; 35.0; 39; 85Eta UMa ; 1.85; 24000;occ; 70; 0;42869
19; 3114.8; 12-MAY-2010 22:48:22; Bright; 44.5; 119; 14Eta Dra ; 2.73; 4700;occ; 89; 0;42869
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22; 4568.9; 12-MAY-2010 23:12:36; Dark ; 66.0; 93; 53Bet Peg ; 2.52; 3100;occ; 132; 0;42869
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 5; 294.9; 12-MAY-2010 23:41:58; Dark ; 41.0; 45; Alp Pav ; 1.94; 26000;occ; 82; 0;42870
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 7; 881.3; 12-MAY-2010 23:51:44; Dark ; 53.0; 40; The Sco ; 1.86; 7100;occ; 106; 0;42870
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 9; 1142.2; 12-MAY-2010 23:56:05; Dark ; 53.0; 75; 26Eps Sco ; 2.29; 4250;occ; 106; 0;42870
10; 1335.2; 12-MAY-2010 23:59:18; Dark ; 63.0; 16; 21Alp Sco ; 1.02; 3000;occ; 126; 0;42870
11; 1444.3; 13-MAY-2010 00:01:08; Dark ; 57.0; 80; 7Del Sco ; 2.32; 30000;occ; 114; 0;42870
12; 1609.8; 13-MAY-2010 00:03:53; Bright; 40.0; 122; 9Alp2Lib ; 2.75; 9700;occ; 80; 0;42870
13; 1725.5; 13-MAY-2010 00:05:49; Bright; 40.5; 104; 27Bet Lib ; 2.61; 13100;occ; 81; 0;42870
14; 2061.4; 13-MAY-2010 00:11:25; Bright; 46.0; 102; 24Alp Ser ; 2.60; 4250;occ; 92; 0;42870
15; 2235.9; 13-MAY-2010 00:14:19; Bright; 39.5; 3; 16Alp Boo ;-0.05; 4250;occ; 79; 0;42870
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 9; 750.9; 15-MAY-2010 03:48:08; Dark ; 45.0; 141; Bet Ara ; 2.84; 4600;occ; 90; 0;42901
10; 902.1; 15-MAY-2010 03:50:39; Dark ; 50.0; 40; The Sco ; 1.86; 7100;occ; 100; 0;42901
11; 1014.4; 15-MAY-2010 03:52:31; Dark ; 53.5; 25; 35Lam Sco ; 1.62; 28000;occ; 107; 0;42901
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13; 1345.7; 15-MAY-2010 03:58:03; Dark ; 57.5; 16; 21Alp Sco ; 1.02; 3000;occ; 115; 0;42901
14; 1504.5; 15-MAY-2010 04:00:41; Bright; 48.5; 97; 8Bet1Sco ; 2.56; 30000;occ; 97; 0;42901
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17; 2051.5; 15-MAY-2010 04:09:48; Bright; 45.0; 102; 24Alp Ser ; 2.60; 4250;occ; 90; 0;42901
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9; 751.2; 15-MAY-2010 05:28:44; Dark ; 45.0; 141; Bet Ara ; 2.84; 4600;occ; 90; 0;42902
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9; 3752.0; 15-MAY-2010 16:22:20; Bright; 65.0; 89; 5Alp Cep ; 2.45; 8000;occ; 130; 0;42908
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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
10; 3751.6; 15-MAY-2010 18:02:56; Bright; 44.5; 89; 5Alp Cep ; 2.45; 8000;occ; 89; 0;42909
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18; 6358.8; 15-MAY-2010 18:46:23; Dark ; 41.5; 45; Alp Pav ; 1.94; 26000;occ; 83; 0;42910
19; 6791.4; 15-MAY-2010 18:53:36; Dark ; 44.0; 141; Bet Ara ; 2.84; 4600;occ; 88; 0;42910
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4; 1348.6; 15-MAY-2010 19:03:29; Dark ; 61.0; 16; 21Alp Sco ; 1.02; 3000;occ; 122; 0;42910
5; 1506.1; 15-MAY-2010 19:06:07; Bright; 45.5; 97; 8Bet1Sco ; 2.56; 30000;occ; 91; 0;42910

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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
12; 3751.2; 15-MAY-2010 19:43:32; Bright; 42.5; 89; 5Alp Cep ; 2.45; 8000;occ; 85; 0;42910
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15; 4762.3; 15-MAY-2010 20:00:23; Dark ; 43.0; 140; 88Gam Peg ; 2.83; 26000;occ; 86; 0;42910
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21; 6791.7; 15-MAY-2010 20:34:12; Dark ; 45.5; 141; Bet Ara ; 2.84; 4600;occ; 91; 0;42911
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4; 1349.0; 15-MAY-2010 20:44:05; Dark ; 56.5; 16; 21Alp Sco ; 1.02; 3000;occ; 113; 0;42911
5; 1506.3; 15-MAY-2010 20:46:43; Bright; 45.5; 97; 8Bet1Sco ; 2.56; 30000;occ; 91; 0;42911
6; 1726.9; 15-MAY-2010 20:50:23; Bright; 41.0; 104; 27Bet Lib ; 2.61; 13100;occ; 82; 0;42911
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9; 2383.4; 15-MAY-2010 21:01:20; Bright; 40.0; 83; ; 2.38; 11000;occ; 80; 0;42911
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12; 3750.7; 15-MAY-2010 21:24:07; Bright; 44.0; 89; 5Alp Cep ; 2.45; 8000;occ; 88; 0;42911
13; 3961.6; 15-MAY-2010 21:27:38; Bright; 37.5; 74; 11Bet Cas ; 2.27; 6600;occ; 75; 0;42911
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6; 930.6; 15-MAY-2010 22:17:43; Dark ; 30.0; 38; 20Eps Sgr ; 1.84; 11000;occ; 60; 0;42912
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10; 1506.3; 15-MAY-2010 22:27:19; Bright; 45.5; 97; 8Bet1Sco ; 2.56; 30000;occ; 91; 0;42912
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20; 4762.6; 15-MAY-2010 23:21:35; Dark ; 44.0; 140; 88Gam Peg ; 2.83; 26000;occ; 88; 0;42912
21; 4860.1; 15-MAY-2010 23:23:12; Dark ; 52.5; 90; 54Alp Peg ; 2.49; 11000;occ; 105; 0;42912

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6; 931.6; 15-MAY-2010 23:58:20; Dark ; 30.0; 38; 20Eps Sgr ; 1.84; 11000;occ; 60; 0;42913
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6; 3175.1; 21-MAY-2010 08:01:14; Bright; 37.5; 60; 7Bet UMi ; 2.08; 3950;occ; 75; 0;42989
7; 3937.4; 21-MAY-2010 08:13:56; Bright; 53.0; 76; 27Gam Cas ; 2.30; 30000;occ; 106; 0;42989
8; 4010.2; 21-MAY-2010 08:15:09; Bright; 36.5; 68; 18Alp Cas ; 2.22; 4500;occ; 73; 0;42989
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 15; 6415.4; 21-MAY-2010 08:55:14; Dark ; 40.5; 45; Alp Pav ; 1.94; 26000;occ; 81; 0;42990
 16; 6830.3; 21-MAY-2010 09:02:09; Dark ; 48.5; 141; Bet Ara ; 2.84; 4600;occ; 97; 0;42990
 17; 6993.3; 21-MAY-2010 09:04:52; Dark ; 47.0; 40; The Sco ; 1.86; 7100;occ; 94; 0;42990
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 3; 2030.3; 21-MAY-2010 09:22:45; Bright; 41.0; 102; 24Alp Ser ; 2.60; 4250;occ; 82; 0;42990
 4; 2372.4; 21-MAY-2010 09:28:27; Bright; 38.5; 83; ; 2.38; 11000;occ; 77; 0;42990
 5; 2561.8; 21-MAY-2010 09:31:36; Bright; 38.0; 180; 27Gam Boo ; 3.04; 8000;occ; 76; 0;42990
 6; 3059.1; 21-MAY-2010 09:39:54; Bright; 39.5; 119; 14Eta Dra ; 2.73; 4700;occ; 79; 0;42990
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 8; 3937.4; 21-MAY-2010 09:54:32; Bright; 39.0; 76; 27Gam Cas ; 2.30; 30000;occ; 78; 0;42990
 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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 21; 7408.3; 21-MAY-2010 10:52:23; Dark ; 54.0; 16; 21Alp Sco ; 1.02; 3000;occ; 108; 0;42991
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 3; 2029.8; 21-MAY-2010 11:03:20; Bright; 41.0; 102; 24Alp Ser ; 2.60; 4250;occ; 82; 0;42991
 4; 2372.4; 21-MAY-2010 11:09:03; Bright; 37.0; 83; ; 2.38; 11000;occ; 74; 0;42991
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 6; 3058.7; 21-MAY-2010 11:20:29; Bright; 41.0; 119; 14Eta Dra ; 2.73; 4700;occ; 82; 0;42991
 7; 3175.0; 21-MAY-2010 11:22:25; Bright; 39.0; 60; 7Bet UMi ; 2.08; 3950;occ; 78; 0;42991
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 12; 5745.9; 21-MAY-2010 12:05:16; Dark ; 54.0; 18; 24Alp PsA ; 1.17; 9700;occ; 108; 0;42991
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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
 19; 7105.4; 21-MAY-2010 12:27:56; Dark ; 51.5; 25; 35Lam Sco ; 1.62; 28000;occ; 103; 0;42992
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 6; 3174.7; 21-MAY-2010 13:03:01; Bright; 38.0; 60; 7Bet UMi ; 2.08; 3950;occ; 76; 0;42992
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 14; 1732.4; 22-MAY-2010 05:24:58; Bright; 38.5; 104; 27Bet Lib ; 2.61; 13100;occ; 77; 0;43002
 15; 1842.7; 22-MAY-2010 05:26:48; Bright; 46.0; 120; 1Del Oph ; 2.73; 3200;occ; 92; 0;43002
 16; 2028.2; 22-MAY-2010 05:29:54; Bright; 41.0; 102; 24Alp Ser ; 2.60; 4250;occ; 82; 0;43002
 17; 2371.5; 22-MAY-2010 05:35:37; Bright; 53.0; 83; ; 2.38; 11000;occ; 106; 0;43002
 18; 2560.9; 22-MAY-2010 05:38:46; Bright; 36.0; 180; 27Gam Boo ; 3.04; 8000;occ; 72; 0;43002
 19; 3054.1; 22-MAY-2010 05:47:00; Bright; 41.5; 119; 14Eta Dra ; 2.73; 4700;occ; 83; 0;43002
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 3; 1204.4; 22-MAY-2010 20:21:33; Dark ; 50.5; 75; 26Eps Sco ; 2.29; 4250;occ; 101; 0;43011
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 8; 2026.5; 22-MAY-2010 20:35:15; Bright; 40.0; 102; 24Alp Ser ; 2.60; 4250;occ; 80; 0;43011
 9; 2370.8; 22-MAY-2010 20:41:00; Bright; 36.5; 83; ; 2.38; 11000;occ; 73; 0;43011
 10; 2560.7; 22-MAY-2010 20:44:10; Bright; 36.0; 180; 27Gam Boo ; 3.04; 8000;occ; 72; 0;43011
 11; 3050.8; 22-MAY-2010 20:52:20; Bright; 42.5; 119; 14Eta Dra ; 2.73; 4700;occ; 85; 0;43011
 12; 3173.5; 22-MAY-2010 20:54:22; Bright; 38.5; 60; 7Bet UMi ; 2.08; 3950;occ; 77; 0;43011
 13; 3936.8; 22-MAY-2010 21:07:06; Bright; 34.5; 76; 27Gam Cas ; 2.30; 30000;occ; 69; 0;43011
 14; 4009.5; 22-MAY-2010 21:08:18; Bright; 36.5; 68; 18Alp Cas ; 2.22; 4500;occ; 73; 0;43011
 15; 4530.4; 22-MAY-2010 21:16:59; Dark ; 47.0; 58; 21Alp And ; 2.07; 11000;occ; 94; 0;43011
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 3; -1506.8; 22-MAY-2010 06:11:35; Dark ; 48.5; 58; 21Alp And ; 2.07; 11000;occ; 97; 0;43002
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 5; -279.3; 22-MAY-2010 06:32:02; Dark ; 59.5; 18; 24Alp PsA ; 1.17; 9700;occ; 119; 0;43002
 6; -125.1; 22-MAY-2010 06:34:36; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;43002
 7; -35.8; 22-MAY-2010 06:36:06; Dark ; 59.0; 63; Bet Gru ; 2.15; 2800;occ; 118; 0;43002
 8; 62.6; 22-MAY-2010 06:37:44; Dark ; 44.0; 31; Alp Gru ; 1.73; 15200;occ; 88; 0;43003
 9; 388.1; 22-MAY-2010 06:43:10; Dark ; 42.5; 45; Alp Pav ; 1.94; 26000;occ; 85; 0;43003
 10; 800.2; 22-MAY-2010 06:50:02; Dark ; 46.0; 141; Bet Ara ; 2.84; 4600;occ; 92; 0;43003
 11; 964.6; 22-MAY-2010 06:52:46; Dark ; 50.0; 40; The Sco ; 1.86; 7100;occ; 100; 0;43003
 12; 1075.8; 22-MAY-2010 06:54:37; Dark ; 53.0; 25; 35Lam Sco ; 1.62; 28000;occ; 106; 0;43003
 13; 1201.5; 22-MAY-2010 06:56:43; Dark ; 50.0; 75; 26Eps Sco ; 2.29; 4250;occ; 100; 0;43003
 14; 1375.4; 22-MAY-2010 06:59:37; Dark ; 61.0; 16; 21Alp Sco ; 1.02; 3000;occ; 122; 0;43003
 15; 1521.3; 22-MAY-2010 07:02:03; Bright; 42.5; 97; 8Bet1Sco ; 2.56; 30000;occ; 85; 0;43003
 16; 1732.4; 22-MAY-2010 07:05:34; Bright; 40.0; 104; 27Bet Lib ; 2.61; 13100;occ; 80; 0;43003

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

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

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

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 3; 2027.4; 22-MAY-2010 10:31:41; Bright; 40.5; 102; 24Alp Ser ; 2.60; 4250;occ; 81; 0;43005
 4; 2371.1; 22-MAY-2010 10:37:24; Bright; 36.5; 83; ; 2.38; 11000;occ; 73; 0;43005
 5; 2560.8; 22-MAY-2010 10:40:34; Bright; 36.5; 180; 27Gam Boo ; 3.04; 8000;occ; 73; 0;43005
 6; 3053.1; 22-MAY-2010 10:48:46; Bright; 41.0; 119; 14Eta Dra ; 2.73; 4700;occ; 82; 0;43005
 7; 3173.9; 22-MAY-2010 10:50:47; Bright; 39.0; 60; 7Bet UMi ; 2.08; 3950;occ; 78; 0;43005
 8; 3937.4; 22-MAY-2010 11:03:31; Bright; 53.5; 76; 27Gam Cas ; 2.30; 30000;occ; 107; 0;43005
 9; 4009.9; 22-MAY-2010 11:04:43; Bright; 36.0; 68; 18Alp Cas ; 2.22; 4500;occ; 72; 0;43005
 10; 4529.5; 22-MAY-2010 11:13:23; Dark ; 47.5; 58; 21Alp And ; 2.07; 11000;occ; 95; 0;43005
 11; 4792.9; 22-MAY-2010 11:17:46; Dark ; 43.5; 140; 88Gam Peg ; 2.83; 26000;occ; 87; 0;43005
 12; 5759.1; 22-MAY-2010 11:33:52; Dark ; 52.0; 18; 24Alp PsA ; 1.17; 9700;occ; 104; 0;43005
 13; 5913.8; 22-MAY-2010 11:36:27; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;43005
 14; 6002.5; 22-MAY-2010 11:37:56; Dark ; 45.5; 63; Bet Gru ; 2.15; 2800;occ; 91; 0;43005
 15; 6086.7; 22-MAY-2010 11:39:20; Dark ; 48.5; 172; Gam Gru ; 3.00; 13100;occ; 97; 0;43006
 16; 6426.4; 22-MAY-2010 11:45:00; Dark ; 41.5; 45; Alp Pav ; 1.94; 26000;occ; 83; 0;43006
 17; 6837.5; 22-MAY-2010 11:51:51; Dark ; 43.5; 141; Bet Ara ; 2.84; 4600;occ; 87; 0;43006
 18; 7002.4; 22-MAY-2010 11:54:36; Dark ; 50.5; 40; The Sco ; 1.86; 7100;occ; 101; 0;43006
 19; 7113.4; 22-MAY-2010 11:56:27; Dark ; 55.0; 25; 35Lam Sco ; 1.62; 28000;occ; 110; 0;43006
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 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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 9; 4009.4; 22-MAY-2010 12:45:19; Bright; 55.0; 68; 18Alp Cas ; 2.22; 4500;occ; 110; 0;43006
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13; 5914.8; 22-MAY-2010 13:17:04; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;43006
14; 6003.3; 22-MAY-2010 13:18:32; Dark ; 48.5; 63; Bet Gru ; 2.15; 2800;occ; 97; 0;43006
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16; 6426.9; 22-MAY-2010 13:25:36; Dark ; 41.5; 45; Alp Pav ; 1.94; 26000;occ; 83; 0;43007
17; 6838.3; 22-MAY-2010 13:32:27; Dark ; 43.5; 141; Bet Ara ; 2.84; 4600;occ; 87; 0;43007
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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
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13; 5761.5; 22-MAY-2010 14:55:07; Dark ; 50.0; 18; 24Alp PsA ; 1.17; 9700;occ; 100; 0;43007
14; 5915.9; 22-MAY-2010 14:57:41; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;43007
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 16; 6124.9; 24-MAY-2010 10:36:44; Dark ; 44.5; 31; Alp Gru ; 1.73; 15200;occ; 89; 0;43034
 17; 6446.4; 24-MAY-2010 10:42:06; Dark ; 41.0; 45; Alp Pav ; 1.94; 26000;occ; 82; 0;43034
 18; 6850.1; 24-MAY-2010 10:48:49; Dark ; 42.5; 141; Bet Ara ; 2.84; 4600;occ; 85; 0;43034
 19; 7017.5; 24-MAY-2010 10:51:37; Dark ; 49.5; 40; The Sco ; 1.86; 7100;occ; 99; 0;43034
 20; 7128.2; 24-MAY-2010 10:53:27; Dark ; 49.0; 25; 35Lam Sco ; 1.62; 28000;occ; 98; 0;43034
 21; 7249.0; 24-MAY-2010 10:55:28; Dark ; 49.0; 75; 26Eps Sco ; 2.29; 4250;occ; 98; 0;43034
 22; 7419.6; 24-MAY-2010 10:58:19; Dark ; 55.5; 16; 21Alp Sco ; 1.02; 3000;occ; 111; 0;43034
 23; 7562.0; 24-MAY-2010 11:00:41; Bright; 41.5; 97; 8Bet1Sco ; 2.56; 30000;occ; 83; 0;43034

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 3; 2023.2; 24-MAY-2010 11:08:58; Bright; 39.0; 102; 24Alp Ser ; 2.60; 4250;occ; 78; 0;43034
 4; 2369.6; 24-MAY-2010 11:14:45; Bright; 39.0; 83; ; 2.38; 11000;occ; 78; 0;43034
 5; 3041.5; 24-MAY-2010 11:25:57; Bright; 40.0; 119; 14Eta Dra ; 2.73; 4700;occ; 80; 0;43034
 6; 3171.3; 24-MAY-2010 11:28:06; Bright; 37.0; 60; 7Bet UMi ; 2.08; 3950;occ; 74; 0;43034
 7; 3936.2; 24-MAY-2010 11:40:51; Bright; 54.0; 76; 27Gam Cas ; 2.30; 30000;occ; 108; 0;43034
 8; 4008.3; 24-MAY-2010 11:42:03; Bright; 55.0; 68; 18Alp Cas ; 2.22; 4500;occ; 110; 0;43034
 9; 4382.1; 24-MAY-2010 11:48:17; Bright; 38.0; 53; 43Bet And ; 2.05; 3300;occ; 76; 0;43034
 10; 4534.6; 24-MAY-2010 11:50:50; Dark ; 49.5; 58; 21Alp And ; 2.07; 11000;occ; 99; 0;43034
 11; 4803.4; 24-MAY-2010 11:55:18; Dark ; 45.5; 140; 88Gam Peg ; 2.83; 26000;occ; 91; 0;43034
 12; 5333.2; 24-MAY-2010 12:04:08; Dark ; 45.0; 52; 16Bet Cet ; 2.04; 4500;occ; 90; 0;43034
 13; 5871.3; 24-MAY-2010 12:13:06; Dark ; 54.5; 0; ; 0.00; 0;occ; 109; 0;43034
 14; 6023.8; 24-MAY-2010 12:15:39; Dark ; 51.5; 63; Bet Gru ; 2.15; 2800;occ; 103; 0;43034
 15; 6125.8; 24-MAY-2010 12:17:21; Dark ; 44.0; 31; Alp Gru ; 1.73; 15200;occ; 88; 0;43035
 16; 6447.0; 24-MAY-2010 12:22:42; Dark ; 41.5; 45; Alp Pav ; 1.94; 26000;occ; 83; 0;43035
 17; 6850.8; 24-MAY-2010 12:29:26; Dark ; 48.0; 141; Bet Ara ; 2.84; 4600;occ; 96; 0;43035
 18; 7018.2; 24-MAY-2010 12:32:13; Dark ; 49.0; 40; The Sco ; 1.86; 7100;occ; 98; 0;43035
 19; 7128.7; 24-MAY-2010 12:34:04; Dark ; 48.5; 25; 35Lam Sco ; 1.62; 28000;occ; 97; 0;43035
 20; 7249.3; 24-MAY-2010 12:36:04; Dark ; 49.0; 75; 26Eps Sco ; 2.29; 4250;occ; 98; 0;43035
 21; 7419.9; 24-MAY-2010 12:38:55; Dark ; 60.0; 16; 21Alp Sco ; 1.02; 3000;occ; 120; 0;43035
 22; 7562.5; 24-MAY-2010 12:41:18; Bright; 40.5; 97; 8Bet1Sco ; 2.56; 30000;occ; 81; 0;43035

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 2; 1839.0; 24-MAY-2010 12:46:30; Bright; 43.5; 120; 1Del Oph ; 2.73; 3200;occ; 87; 0;43035
 3; 2023.0; 24-MAY-2010 12:49:34; Bright; 39.5; 102; 24Alp Ser ; 2.60; 4250;occ; 79; 0;43035
 4; 2369.4; 24-MAY-2010 12:55:20; Bright; 35.5; 83; ; 2.38; 11000;occ; 71; 0;43035
 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
 7; 4007.9; 24-MAY-2010 13:22:39; Bright; 55.0; 68; 18Alp Cas ; 2.22; 4500;occ; 110; 0;43035
 8; 4382.0; 24-MAY-2010 13:28:53; Bright; 38.5; 53; 43Bet And ; 2.05; 3300;occ; 77; 0;43035
 9; 4534.8; 24-MAY-2010 13:31:26; Dark ; 49.0; 58; 21Alp And ; 2.07; 11000;occ; 98; 0;43035
 10; 4803.7; 24-MAY-2010 13:35:55; Dark ; 45.5; 140; 88Gam Peg ; 2.83; 26000;occ; 91; 0;43035

11; 5333.7; 24-MAY-2010 13:44:45; Dark ; 45.5; 52; 16Bet Cet ; 2.04; 4500;occ; 91; 0;43035
 12; 5867.3; 24-MAY-2010 13:53:38; Dark ; 54.5; 0; ; 0.00; 0;occ; 109; 0;43035
 13; 6024.8; 24-MAY-2010 13:56:16; Dark ; 49.0; 63; Bet Gru ; 2.15; 2800;occ; 98; 0;43035
 14; 6126.7; 24-MAY-2010 13:57:58; Dark ; 45.5; 31; Alp Gru ; 1.73; 15200;occ; 91; 0;43036
 15; 6447.5; 24-MAY-2010 14:03:18; Dark ; 46.5; 45; Alp Pav ; 1.94; 26000;occ; 93; 0;43036
 16; 6851.0; 24-MAY-2010 14:10:02; Dark ; 44.0; 141; Bet Ara ; 2.84; 4600;occ; 88; 0;43036
 17; 7018.8; 24-MAY-2010 14:12:50; Dark ; 50.0; 40; The Sco ; 1.86; 7100;occ; 100; 0;43036
 18; 7129.0; 24-MAY-2010 14:14:40; Dark ; 51.0; 25; 35Lam Sco ; 1.62; 28000;occ; 102; 0;43036
 19; 7249.8; 24-MAY-2010 14:16:41; Dark ; 50.0; 75; 26Eps Sco ; 2.29; 4250;occ; 100; 0;43036
 20; 7420.2; 24-MAY-2010 14:19:31; Dark ; 59.5; 16; 21Alp Sco ; 1.02; 3000;occ; 119; 0;43036
 21; 7562.5; 24-MAY-2010 14:21:53; Bright; 26.5; 97; 8Bet1Sco ; 2.56; 30000;occ; 53; 0;43036

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 3; 1839.4; 24-MAY-2010 14:27:06; Bright; 43.5; 120; 1Del Oph ; 2.73; 3200;occ; 87; 0;43036
 4; 2022.9; 24-MAY-2010 14:30:10; Bright; 39.5; 102; 24Alp Ser ; 2.60; 4250;occ; 79; 0;43036
 5; 2369.5; 24-MAY-2010 14:35:56; Bright; 38.5; 83; ; 2.38; 11000;occ; 77; 0;43036
 6; 3041.0; 24-MAY-2010 14:47:08; Bright; 41.0; 119; 14Eta Dra ; 2.73; 4700;occ; 82; 0;43036
 7; 3171.4; 24-MAY-2010 14:49:18; Bright; 37.0; 60; 7Bet UMi ; 2.08; 3950;occ; 74; 0;43036
 8; 3936.3; 24-MAY-2010 15:02:03; Bright; 35.5; 76; 27Gam Cas ; 2.30; 30000;occ; 71; 0;43036
 9; 4008.2; 24-MAY-2010 15:03:15; Bright; 43.5; 68; 18Alp Cas ; 2.22; 4500;occ; 87; 0;43036
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 11; 4535.0; 24-MAY-2010 15:12:02; Dark ; 46.5; 58; 21Alp And ; 2.07; 11000;occ; 93; 0;43036
 12; 4804.7; 24-MAY-2010 15:16:32; Dark ; 45.5; 140; 88Gam Peg ; 2.83; 26000;occ; 91; 0;43036
 13; 5334.2; 24-MAY-2010 15:25:21; Dark ; 49.5; 52; 16Bet Cet ; 2.04; 4500;occ; 99; 0;43036
 14; 5862.2; 24-MAY-2010 15:34:09; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;43036
 15; 6025.6; 24-MAY-2010 15:36:52; Dark ; 60.0; 63; Bet Gru ; 2.15; 2800;occ; 120; 0;43036
 16; 6127.7; 24-MAY-2010 15:38:35; Dark ; 44.5; 31; Alp Gru ; 1.73; 15200;occ; 89; 0;43037
 17; 6448.4; 24-MAY-2010 15:43:55; Dark ; 43.5; 45; Alp Pav ; 1.94; 26000;occ; 87; 0;43037
 18; 6851.5; 24-MAY-2010 15:50:38; Dark ; 43.0; 141; Bet Ara ; 2.84; 4600;occ; 86; 0;43037
 19; 7019.5; 24-MAY-2010 15:53:26; Dark ; 48.5; 40; The Sco ; 1.86; 7100;occ; 97; 0;43037
 20; 7129.7; 24-MAY-2010 15:55:17; Dark ; 48.0; 25; 35Lam Sco ; 1.62; 28000;occ; 96; 0;43037
 21; 7250.3; 24-MAY-2010 15:57:17; Dark ; 48.0; 75; 26Eps Sco ; 2.29; 4250;occ; 96; 0;43037

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 2; 1527.3; 24-MAY-2010 16:02:30; Bright; 41.0; 97; 8Bet1Sco ; 2.56; 30000;occ; 82; 0;43037
 3; 1735.3; 24-MAY-2010 16:05:58; Bright; 38.5; 104; 27Bet Lib ; 2.61; 13100;occ; 77; 0;43037
 4; 1839.1; 24-MAY-2010 16:07:42; Bright; 44.5; 120; 1Del Oph ; 2.73; 3200;occ; 89; 0;43037
 5; 2023.2; 24-MAY-2010 16:10:46; Bright; 40.0; 102; 24Alp Ser ; 2.60; 4250;occ; 80; 0;43037
 6; 3040.4; 24-MAY-2010 16:27:43; Bright; 42.0; 119; 14Eta Dra ; 2.73; 4700;occ; 84; 0;43037
 7; 3171.2; 24-MAY-2010 16:29:54; Bright; 37.5; 60; 7Bet UMi ; 2.08; 3950;occ; 75; 0;43037
 8; 3936.3; 24-MAY-2010 16:42:39; Bright; 54.0; 76; 27Gam Cas ; 2.30; 30000;occ; 108; 0;43037
 9; 4008.0; 24-MAY-2010 16:43:51; Bright; 55.0; 68; 18Alp Cas ; 2.22; 4500;occ; 110; 0;43037
 10; 4382.4; 24-MAY-2010 16:50:05; Bright; 38.5; 53; 43Bet And ; 2.05; 3300;occ; 77; 0;43037
 11; 4535.0; 24-MAY-2010 16:52:38; Dark ; 49.5; 58; 21Alp And ; 2.07; 11000;occ; 99; 0;43037
 12; 4804.7; 24-MAY-2010 16:57:08; Dark ; 46.5; 140; 88Gam Peg ; 2.83; 26000;occ; 93; 0;43037
 13; 5334.8; 24-MAY-2010 17:05:58; Dark ; 48.0; 52; 16Bet Cet ; 2.04; 4500;occ; 96; 0;43037
 14; 5859.5; 24-MAY-2010 17:14:42; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;43037
 15; 6026.4; 24-MAY-2010 17:17:29; Dark ; 60.0; 63; Bet Gru ; 2.15; 2800;occ; 120; 0;43037
 16; 6128.7; 24-MAY-2010 17:19:12; Dark ; 43.5; 31; Alp Gru ; 1.73; 15200;occ; 87; 0;43038
 17; 6449.0; 24-MAY-2010 17:24:32; Dark ; 42.0; 45; Alp Pav ; 1.94; 26000;occ; 84; 0;43038
 18; 6852.2; 24-MAY-2010 17:31:15; Dark ; 41.5; 141; Bet Ara ; 2.84; 4600;occ; 83; 0;43038
 19; 7019.9; 24-MAY-2010 17:34:03; Dark ; 49.0; 40; The Sco ; 1.86; 7100;occ; 98; 0;43038

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 2; 1094.3; 24-MAY-2010 17:35:53; Dark ; 50.0; 25; 35Lam Sco ; 1.62; 28000;occ; 100; 0;43038
 3; 1214.6; 24-MAY-2010 17:37:53; Dark ; 48.5; 75; 26Eps Sco ; 2.29; 4250;occ; 97; 0;43038
 4; 1384.6; 24-MAY-2010 17:40:43; Dark ; 60.0; 16; 21Alp Sco ; 1.02; 3000;occ; 120; 0;43038
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 6; 1735.5; 24-MAY-2010 17:46:34; Bright; 38.5; 104; 27Bet Lib ; 2.61; 13100;occ; 77; 0;43038
 7; 1839.1; 24-MAY-2010 17:48:18; Bright; 43.5; 120; 1Del Oph ; 2.73; 3200;occ; 87; 0;43038
 8; 2022.8; 24-MAY-2010 17:51:22; Bright; 39.5; 102; 24Alp Ser ; 2.60; 4250;occ; 79; 0;43038
 9; 2369.4; 24-MAY-2010 17:57:08; Bright; 40.0; 83; ; 2.38; 11000;occ; 80; 0;43038
 10; 3040.1; 24-MAY-2010 18:08:19; Bright; 40.0; 119; 14Eta Dra ; 2.73; 4700;occ; 80; 0;43038
 11; 3171.1; 24-MAY-2010 18:10:30; Bright; 34.5; 60; 7Bet UMi ; 2.08; 3950;occ; 69; 0;43038
 12; 3935.9; 24-MAY-2010 18:23:15; Bright; 54.0; 76; 27Gam Cas ; 2.30; 30000;occ; 108; 0;43038
 13; 4007.9; 24-MAY-2010 18:24:27; Bright; 53.0; 68; 18Alp Cas ; 2.22; 4500;occ; 106; 0;43038
 14; 4382.5; 24-MAY-2010 18:30:41; Bright; 38.5; 53; 43Bet And ; 2.05; 3300;occ; 77; 0;43038

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16; 4805.2; 24-MAY-2010 18:37:44; Dark ; 46.0; 140; 88Gam Peg ; 2.83; 26000;occ; 92; 0;43038
17; 5335.1; 24-MAY-2010 18:46:34; Dark ; 46.5; 52; 16Bet Cet ; 2.04; 4500;occ; 93; 0;43038
18; 5860.0; 24-MAY-2010 18:55:19; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;43038
19; 6026.8; 24-MAY-2010 18:58:06; Dark ; 46.0; 63; Bet Gru ; 2.15; 2800;occ; 92; 0;43038
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21; 6450.0; 24-MAY-2010 19:05:09; Dark ; 41.0; 45; Alp Pav ; 1.94; 26000;occ; 82; 0;43039
22; 6852.5; 24-MAY-2010 19:11:51; Dark ; 47.0; 141; Bet Ara ; 2.84; 4600;occ; 94; 0;43039
23; 7020.6; 24-MAY-2010 19:14:39; Dark ; 46.5; 40; The Sco ; 1.86; 7100;occ; 93; 0;43039
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 3; 1214.8; 24-MAY-2010 19:18:30; Dark ; 49.0; 75; 26Eps Sco ; 2.29; 4250;occ; 98; 0;43039
 4; 1384.8; 24-MAY-2010 19:21:20; Dark ; 54.0; 16; 21Alp Sco ; 1.02; 3000;occ; 108; 0;43039
 5; 1527.1; 24-MAY-2010 19:23:42; Bright; 41.5; 97; 8Bet1Sco ; 2.56; 30000;occ; 83; 0;43039
 6; 1735.6; 24-MAY-2010 19:27:10; Bright; 38.0; 104; 27Bet Lib ; 2.61; 13100;occ; 76; 0;43039
 7; 1838.9; 24-MAY-2010 19:28:54; Bright; 43.5; 120; 1Del Oph ; 2.73; 3200;occ; 87; 0;43039
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 9; 2369.6; 24-MAY-2010 19:37:44; Bright; 35.5; 83; ; 2.38; 11000;occ; 71; 0;43039
10; 3039.7; 24-MAY-2010 19:48:55; Bright; 40.5; 119; 14Eta Dra ; 2.73; 4700;occ; 81; 0;43039
11; 3171.2; 24-MAY-2010 19:51:06; Bright; 37.5; 60; 7Bet UMi ; 2.08; 3950;occ; 75; 0;43039
12; 3936.0; 24-MAY-2010 20:03:51; Bright; 42.0; 76; 27Gam Cas ; 2.30; 30000;occ; 84; 0;43039
13; 4007.8; 24-MAY-2010 20:05:03; Bright; 35.5; 68; 18Alp Cas ; 2.22; 4500;occ; 71; 0;43039
14; 4382.5; 24-MAY-2010 20:11:17; Bright; 39.0; 53; 43Bet And ; 2.05; 3300;occ; 78; 0;43039
15; 4535.6; 24-MAY-2010 20:13:50; Dark ; 48.0; 58; 21Alp And ; 2.07; 11000;occ; 96; 0;43039
16; 4805.2; 24-MAY-2010 20:18:20; Dark ; 47.0; 140; 88Gam Peg ; 2.83; 26000;occ; 94; 0;43039
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21; 6450.5; 24-MAY-2010 20:45:45; Dark ; 42.5; 45; Alp Pav ; 1.94; 26000;occ; 85; 0;43040
22; 6852.8; 24-MAY-2010 20:52:28; Dark ; 46.0; 141; Bet Ara ; 2.84; 4600;occ; 92; 0;43040
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 4; 96.7; 25-MAY-2010 01:42:15; Dark ; 44.0; 31; Alp Gru ; 1.73; 15200;occ; 88; 0;43043
 5; 416.4; 25-MAY-2010 01:47:35; Dark ; 42.0; 45; Alp Pav ; 1.94; 26000;occ; 84; 0;43043
 6; 818.1; 25-MAY-2010 01:54:16; Dark ; 43.0; 141; Bet Ara ; 2.84; 4600;occ; 86; 0;43043
 7; 986.4; 25-MAY-2010 01:57:05; Dark ; 47.5; 40; The Sco ; 1.86; 7100;occ; 95; 0;43043
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 9; 1216.4; 25-MAY-2010 02:00:55; Dark ; 51.0; 75; 26Eps Sco ; 2.29; 4250;occ; 102; 0;43043
10; 1386.0; 25-MAY-2010 02:03:44; Dark ; 56.0; 16; 21Alp Sco ; 1.02; 3000;occ; 112; 0;43043
11; 1527.6; 25-MAY-2010 02:06:06; Bright; 40.5; 97; 8Bet1Sco ; 2.56; 30000;occ; 81; 0;43043
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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 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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17; 6459.0; 25-MAY-2010 16:53:05; Dark ; 42.0; 45; Alp Pav ; 1.94; 26000;occ; 84; 0;43052
18; 6858.2; 25-MAY-2010 16:59:44; Dark ; 49.0; 141; Bet Ara ; 2.84; 4600;occ; 98; 0;43052
19; 7027.3; 25-MAY-2010 17:02:33; Dark ; 48.5; 40; The Sco ; 1.86; 7100;occ; 97; 0;43052
20; 7137.3; 25-MAY-2010 17:04:23; Dark ; 52.0; 25; 35Lam Sco ; 1.62; 28000;occ; 104; 0;43052
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3; 1102.5; 25-MAY-2010 20:25:36; Dark ; 50.0; 25; 35Lam Sco ; 1.62; 28000;occ; 100; 0;43054
4; 1220.2; 25-MAY-2010 20:27:34; Dark ; 50.0; 75; 26Eps Sco ; 2.29; 4250;occ; 100; 0;43054
5; 1388.7; 25-MAY-2010 20:30:22; Dark ; 52.0; 16; 21Alp Sco ; 1.02; 3000;occ; 104; 0;43054
6; 1529.5; 25-MAY-2010 20:32:43; Bright; 42.0; 97; 8Bet1Sco ; 2.56; 30000;occ; 84; 0;43054
7; 1737.0; 25-MAY-2010 20:36:11; Bright; 37.0; 104; 27Bet Lib ; 2.61; 13100;occ; 74; 0;43054
8; 1837.8; 25-MAY-2010 20:37:51; Bright; 45.0; 120; 1Del Oph ; 2.73; 3200;occ; 90; 0;43054
9; 2020.5; 25-MAY-2010 20:40:54; Bright; 39.5; 102; 24Alp Ser ; 2.60; 4250;occ; 79; 0;43054
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12; 3170.1; 25-MAY-2010 21:00:04; Bright; 38.0; 60; 7Bet UMi ; 2.08; 3950;occ; 76; 0;43054
13; 3935.7; 25-MAY-2010 21:12:49; Bright; 54.0; 76; 27Gam Cas ; 2.30; 30000;occ; 108; 0;43054
14; 4006.8; 25-MAY-2010 21:14:00; Bright; 39.0; 68; 18Alp Cas ; 2.22; 4500;occ; 78; 0;43054
15; 4384.2; 25-MAY-2010 21:20:18; Bright; 39.5; 53; 43Bet And ; 2.05; 3300;occ; 79; 0;43054
16; 4538.4; 25-MAY-2010 21:22:52; Dark ; 49.0; 58; 21Alp And ; 2.07; 11000;occ; 98; 0;43054
17; 4811.4; 25-MAY-2010 21:27:25; Dark ; 45.5; 140; 88Gam Peg ; 2.83; 26000;occ; 91; 0;43054

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3; 1529.3; 25-MAY-2010 17:11:31; Bright; 41.0; 97; 8Bet1Sco ; 2.56; 30000;occ; 82; 0;43052
4; 1736.8; 25-MAY-2010 17:14:59; Bright; 38.0; 104; 27Bet Lib ; 2.61; 13100;occ; 76; 0;43052
5; 1838.1; 25-MAY-2010 17:16:40; Bright; 43.0; 120; 1Del Oph ; 2.73; 3200;occ; 86; 0;43052
6; 2021.4; 25-MAY-2010 17:19:43; Bright; 39.0; 102; 24Alp Ser ; 2.60; 4250;occ; 78; 0;43052
7; 2385.8; 25-MAY-2010 17:25:48; Bright; 40.5; 67; 5Alp CrB ; 2.22; 11000;occ; 81; 0;43052
8; 3035.4; 25-MAY-2010 17:36:37; Bright; 40.0; 119; 14Eta Dra ; 2.73; 4700;occ; 80; 0;43052
9; 3170.3; 25-MAY-2010 17:38:52; Bright; 34.5; 60; 7Bet UMi ; 2.08; 3950;occ; 69; 0;43052
10; 3935.4; 25-MAY-2010 17:51:37; Bright; 54.0; 76; 27Gam Cas ; 2.30; 30000;occ; 108; 0;43052
11; 4007.4; 25-MAY-2010 17:52:49; Bright; 39.0; 68; 18Alp Cas ; 2.22; 4500;occ; 78; 0;43052
12; 4384.2; 25-MAY-2010 17:59:06; Bright; 39.5; 53; 43Bet And ; 2.05; 3300;occ; 79; 0;43052
13; 4537.9; 25-MAY-2010 18:01:40; Dark ; 48.0; 58; 21Alp And ; 2.07; 11000;occ; 96; 0;43052
14; 4810.8; 25-MAY-2010 18:06:13; Dark ; 47.0; 140; 88Gam Peg ; 2.83; 26000;occ; 94; 0;43052
15; 5342.1; 25-MAY-2010 18:15:04; Dark ; 47.0; 52; 16Bet Cet ; 2.04; 4500;occ; 94; 0;43052
16; 5868.0; 25-MAY-2010 18:23:50; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;43052
17; 6038.0; 25-MAY-2010 18:26:40; Dark ; 46.5; 63; Bet Gru ; 2.15; 2800;occ; 93; 0;43052
18; 6141.8; 25-MAY-2010 18:28:24; Dark ; 44.0; 31; Alp Gru ; 1.73; 15200;occ; 88; 0;43053
19; 6459.8; 25-MAY-2010 18:33:42; Dark ; 42.0; 45; Alp Pav ; 1.94; 26000;occ; 84; 0;43053
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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
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6; 1737.1; 25-MAY-2010 18:55:35; Bright; 37.5; 104; 27Bet Lib ; 2.61; 13100;occ; 75; 0;43053

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

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3; 4.9; 26-MAY-2010 01:09:06; Dark ; 43.5; 63; Bet Gru ; 2.15; 2800;occ; 87; 0;43056
4; 109.2; 26-MAY-2010 01:10:50; Dark ; 43.0; 31; Alp Gru ; 1.73; 15200;occ; 86; 0;43057
5; 426.4; 26-MAY-2010 01:16:08; Dark ; 41.5; 45; Alp Pav ; 1.94; 26000;occ; 83; 0;43057
6; 824.2; 26-MAY-2010 01:22:46; Dark ; 44.5; 141; Bet Ara ; 2.84; 4600;occ; 89; 0;43057
7; 993.8; 26-MAY-2010 01:25:35; Dark ; 48.5; 40; The Sco ; 1.86; 7100;occ; 97; 0;43057
8; 1103.7; 26-MAY-2010 01:27:25; Dark ; 49.0; 25; 35Lam Sco ; 1.62; 28000;occ; 98; 0;43057
9; 1221.6; 26-MAY-2010 01:29:23; Dark ; 49.5; 75; 26Eps Sco ; 2.29; 4250;occ; 99; 0;43057
10; 1349.8; 26-MAY-2010 01:31:31; Dark ; 44.5; 136; 23Tau Sco ; 2.82; 30000;occ; 89; 0;43057
11; 1530.1; 26-MAY-2010 01:34:31; Bright; 39.5; 97; 8Bet1Sco ; 2.56; 30000;occ; 79; 0;43057
12; 1737.4; 26-MAY-2010 01:37:59; Bright; 37.0; 104; 27Bet Lib ; 2.61; 13100;occ; 74; 0;43057
13; 1837.4; 26-MAY-2010 01:39:39; Bright; 43.0; 120; 1Del Oph ; 2.73; 3200;occ; 86; 0;43057
14; 2020.5; 26-MAY-2010 01:42:42; Bright; 39.0; 102; 24Alp Ser ; 2.60; 4250;occ; 78; 0;43057
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16; 3033.3; 26-MAY-2010 01:59:35; Bright; 40.0; 119; 14Eta Dra ; 2.73; 4700;occ; 80; 0;43057
17; 3169.6; 26-MAY-2010 02:01:51; Bright; 34.5; 60; 7Bet UMi ; 2.08; 3950;occ; 69; 0;43057
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22; 4812.8; 26-MAY-2010 02:29:14; Dark ; 44.5; 140; 88Gam Peg ; 2.83; 26000;occ; 89; 0;43057
23; 5344.0; 26-MAY-2010 02:38:05; Dark ; 44.0; 52; 16Bet Cet ; 2.04; 4500;occ; 88; 0;43057
24; 5870.7; 26-MAY-2010 02:46:52; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;43057
25; 6041.5; 26-MAY-2010 02:49:43; Dark ; 49.5; 63; Bet Gru ; 2.15; 2800;occ; 99; 0;43057
26; 6145.7; 26-MAY-2010 02:51:27; Dark ; 43.0; 31; Alp Gru ; 1.73; 15200;occ; 86; 0;43058
27; 6462.9; 26-MAY-2010 02:56:44; Dark ; 42.5; 45; Alp Pav ; 1.94; 26000;occ; 85; 0;43058
28; 6860.4; 26-MAY-2010 03:03:22; Dark ; 46.0; 141; Bet Ara ; 2.84; 4600;occ; 92; 0;43058
29; 7030.3; 26-MAY-2010 03:06:12; Dark ; 46.5; 40; The Sco ; 1.86; 7100;occ; 93; 0;43058
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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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2; 993.8; 26-MAY-2010 01:25:35; Dark ; 48.5; 40; The Sco ; 1.86; 7100;occ; 97; 0;43057
3; 1103.7; 26-MAY-2010 01:27:25; Dark ; 49.0; 25; 35Lam Sco ; 1.62; 28000;occ; 98; 0;43057
4; 1221.6; 26-MAY-2010 01:29:23; Dark ; 49.5; 75; 26Eps Sco ; 2.29; 4250;occ; 99; 0;43057
5; 1349.8; 26-MAY-2010 01:31:31; Dark ; 44.5; 136; 23Tau Sco ; 2.82; 30000;occ; 89; 0;43057
6; 1530.1; 26-MAY-2010 01:34:31; Bright; 39.5; 97; 8Bet1Sco ; 2.56; 30000;occ; 79; 0;43057
7; 1737.4; 26-MAY-2010 01:37:59; Bright; 37.0; 104; 27Bet Lib ; 2.61; 13100;occ; 74; 0;43057
8; 1837.4; 26-MAY-2010 01:39:39; Bright; 43.0; 120; 1Del Oph ; 2.73; 3200;occ; 86; 0;43057
9; 2020.5; 26-MAY-2010 01:42:42; Bright; 39.0; 102; 24Alp Ser ; 2.60; 4250;occ; 78; 0;43057
10; 2384.3; 26-MAY-2010 01:48:46; Bright; 39.0; 67; 5Alp CrB ; 2.22; 11000;occ; 78; 0;43057
11; 3033.3; 26-MAY-2010 01:59:35; Bright; 40.0; 119; 14Eta Dra ; 2.73; 4700;occ; 80; 0;43057
12; 3169.6; 26-MAY-2010 02:01:51; Bright; 34.5; 60; 7Bet UMi ; 2.08; 3950;occ; 69; 0;43057
13; 3935.2; 26-MAY-2010 02:14:36; Bright; 54.0; 76; 27Gam Cas ; 2.30; 30000;occ; 108; 0;43057
14; 4006.7; 26-MAY-2010 02:15:48; Bright; 54.5; 68; 18Alp Cas ; 2.22; 4500;occ; 109; 0;43057


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17; 4812.8; 26-MAY-2010 02:29:14; Dark ; 44.5; 140; 88Gam Peg ; 2.83; 26000;occ; 89; 0;43057
18; 5344.0; 26-MAY-2010 02:38:05; Dark ; 44.0; 52; 16Bet Cet ; 2.04; 4500;occ; 88; 0;43057
19; 5870.7; 26-MAY-2010 02:46:52; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;43057
20; 6041.5; 26-MAY-2010 02:49:43; Dark ; 49.5; 63; Bet Gru ; 2.15; 2800;occ; 99; 0;43057
21; 6145.7; 26-MAY-2010 02:51:27; Dark ; 43.0; 31; Alp Gru ; 1.73; 15200;occ; 86; 0;43058
22; 6462.9; 26-MAY-2010 02:56:44; Dark ; 42.5; 45; Alp Pav ; 1.94; 26000;occ; 85; 0;43058
23; 6860.4; 26-MAY-2010 03:03:22; Dark ; 46.0; 141; Bet Ara ; 2.84; 4600;occ; 92; 0;43058
24; 7030.3; 26-MAY-2010 03:06:12; Dark ; 46.5; 40; The Sco ; 1.86; 7100;occ; 93; 0;43058
25; 7140.2; 26-MAY-2010 03:08:02; Dark ; 48.0; 25; 35Lam Sco ; 1.62; 28000;occ; 96; 0;43058
26; 7258.1; 26-MAY-2010 03:09:59; Dark ; 46.0; 75; 26Eps Sco ; 2.29; 4250;occ; 92; 0;43058
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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
 4;-2029.2; 26-MAY-2010 03:56:24; Bright; 38.5; 68; 18Alp Cas ; 2.22; 4500;occ; 77; 0;43058
 5;-1651.2; 26-MAY-2010 04:02:42; Bright; 40.0; 53; 43Bet And ; 2.05; 3300;occ; 80; 0;43058
 6;-1497.0; 26-MAY-2010 04:05:16; Dark ; 52.5; 58; 21Alp And ; 2.07; 11000;occ; 105; 0;43058
 7;-1222.9; 26-MAY-2010 04:09:50; Dark ; 46.5; 140; 88Gam Peg ; 2.83; 26000;occ; 93; 0;43058
 8; -691.4; 26-MAY-2010 04:18:42; Dark ; 45.0; 52; 16Bet Cet ; 2.04; 4500;occ; 90; 0;43058
 9; -164.6; 26-MAY-2010 04:27:29; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;43058
10; 6.5; 26-MAY-2010 04:30:20; Dark ; 55.5; 63; Bet Gru ; 2.15; 2800;occ; 111; 0;43058
11; 111.0; 26-MAY-2010 04:32:04; Dark ; 43.0; 31; Alp Gru ; 1.73; 15200;occ; 86; 0;43059
12; 427.8; 26-MAY-2010 04:37:21; Dark ; 42.0; 45; Alp Pav ; 1.94; 26000;occ; 84; 0;43059
13; 825.3; 26-MAY-2010 04:43:59; Dark ; 45.0; 141; Bet Ara ; 2.84; 4600;occ; 90; 0;43059
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6; 3935.0; 26-MAY-2010 08:57:00; Bright; 54.0; 76; 27Gam Cas ; 2.30; 30000;occ; 108; 0;43061
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4; 3031.4; 26-MAY-2010 10:22:32; Bright; 38.0; 119; 14Eta Dra ; 2.73; 4700;occ; 76; 0;43062
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6; 3935.0; 26-MAY-2010 10:37:36; Bright; 54.0; 76; 27Gam Cas ; 2.30; 30000;occ; 108; 0;43062
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8; 4385.1; 26-MAY-2010 10:45:06; Bright; 40.0; 53; 43Bet And ; 2.05; 3300;occ; 80; 0;43062
9; 4539.4; 26-MAY-2010 10:47:40; Dark ; 50.0; 58; 21Alp And ; 2.07; 11000;occ; 100; 0;43062
10; 4814.5; 26-MAY-2010 10:52:16; Dark ; 46.0; 140; 88Gam Peg ; 2.83; 26000;occ; 92; 0;43062
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13; 6045.4; 26-MAY-2010 11:12:46; Dark ; 60.0; 63; Bet Gru ; 2.15; 2800;occ; 120; 0;43063
14; 6150.3; 26-MAY-2010 11:14:31; Dark ; 50.5; 31; Alp Gru ; 1.73; 15200;occ; 101; 0;43063
15; 6466.5; 26-MAY-2010 11:19:48; Dark ; 42.5; 45; Alp Pav ; 1.94; 26000;occ; 85; 0;43063
16; 6862.5; 26-MAY-2010 11:26:24; Dark ; 40.0; 141; Bet Ara ; 2.84; 4600;occ; 80; 0;43063
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5; 3169.1; 26-MAY-2010 12:05:26; Bright; 53.0; 60; 7Bet UMi ; 2.08; 3950;occ; 106; 0;43063
6; 3935.0; 26-MAY-2010 12:18:12; Bright; 37.5; 76; 27Gam Cas ; 2.30; 30000;occ; 75; 0;43063
7; 4006.5; 26-MAY-2010 12:19:23; Bright; 39.0; 68; 18Alp Cas ; 2.22; 4500;occ; 78; 0;43063
8; 4385.7; 26-MAY-2010 12:25:43; Bright; 39.5; 53; 43Bet And ; 2.05; 3300;occ; 79; 0;43063
9; 4540.3; 26-MAY-2010 12:28:17; Dark ; 48.0; 58; 21Alp And ; 2.07; 11000;occ; 96; 0;43063
10; 4815.9; 26-MAY-2010 12:32:53; Dark ; 44.0; 140; 88Gam Peg ; 2.83; 26000;occ; 88; 0;43063

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 14; 6151.7; 26-MAY-2010 12:55:09; Dark ; 45.0; 31; Alp Gru ; 1.73; 15200;occ; 90; 0;43064
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 16; 6863.6; 26-MAY-2010 13:07:00; Dark ; 42.0; 141; Bet Ara ; 2.84; 4600;occ; 84; 0;43064
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 18; 6864.1; 26-MAY-2010 14:47:37; Dark ; 42.0; 141; Bet Ara ; 2.84; 4600;occ; 84; 0;43065
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3; 1248.7; 31-MAY-2010 18:58:56; Dark ; 46.0; 75; 26Eps Sco ; 2.29; 4250;occ; 92; 0;43139
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