

# GOMOS Daily Report 09-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	11MAY2010 04:35:02
Data source version	GOMOS/5.00L04
Start time of products	09MAY2010 00:01:35
Stop time of products	09MAY2010 23:58:03
Store outputs in DB	Yes
Nb of level 1b prods	120
Nb of prods with errors	0

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

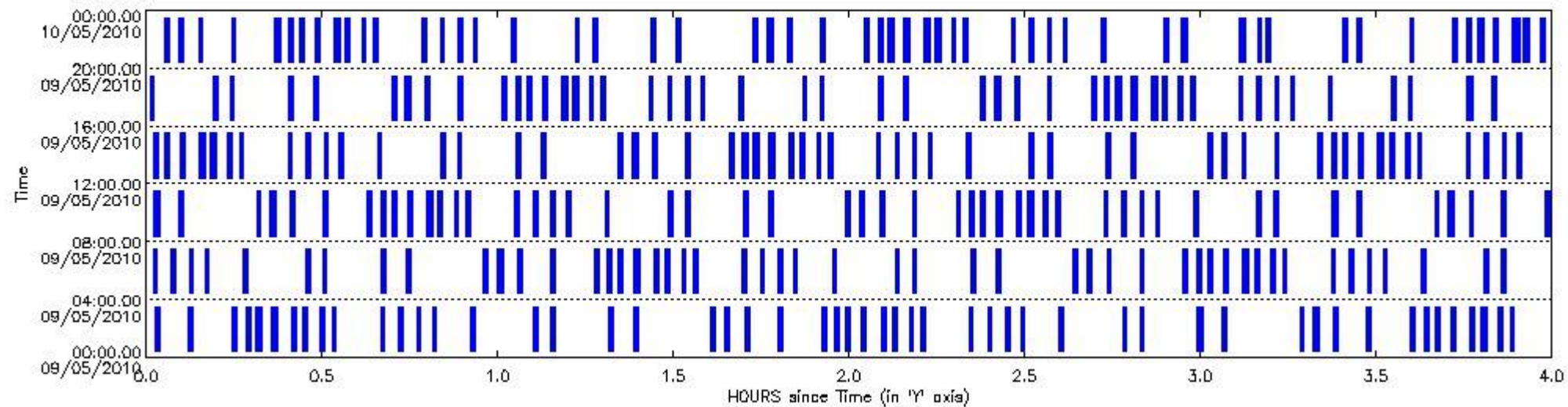
### 2.1 Level 0 products arrived in PCF (see template [here](#))

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

Red segments are missing products.

Blue segments are available products.

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



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

No missing products.

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

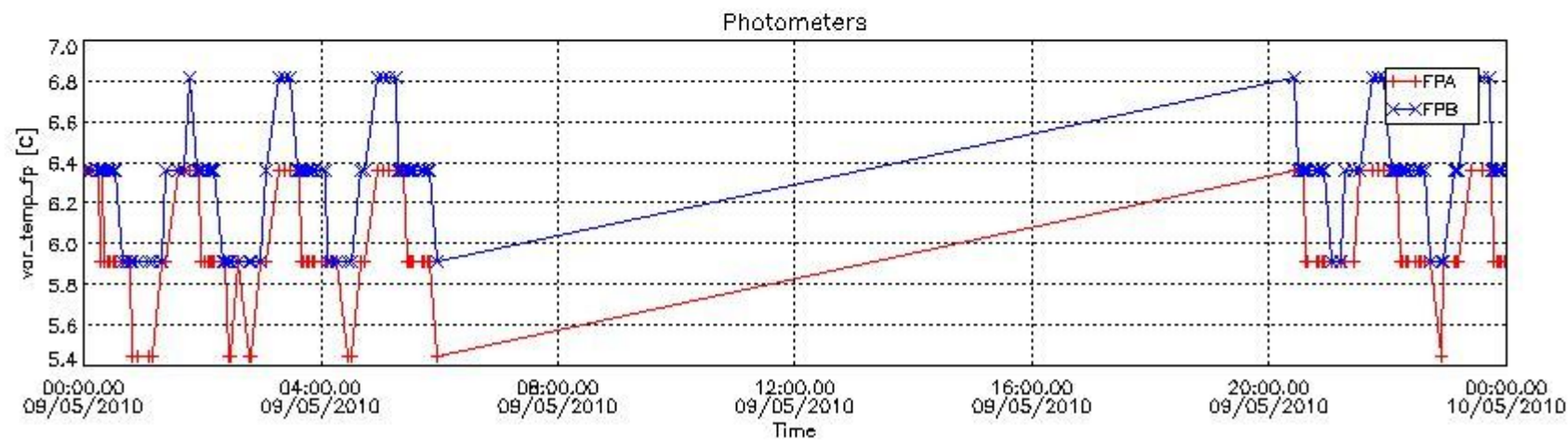
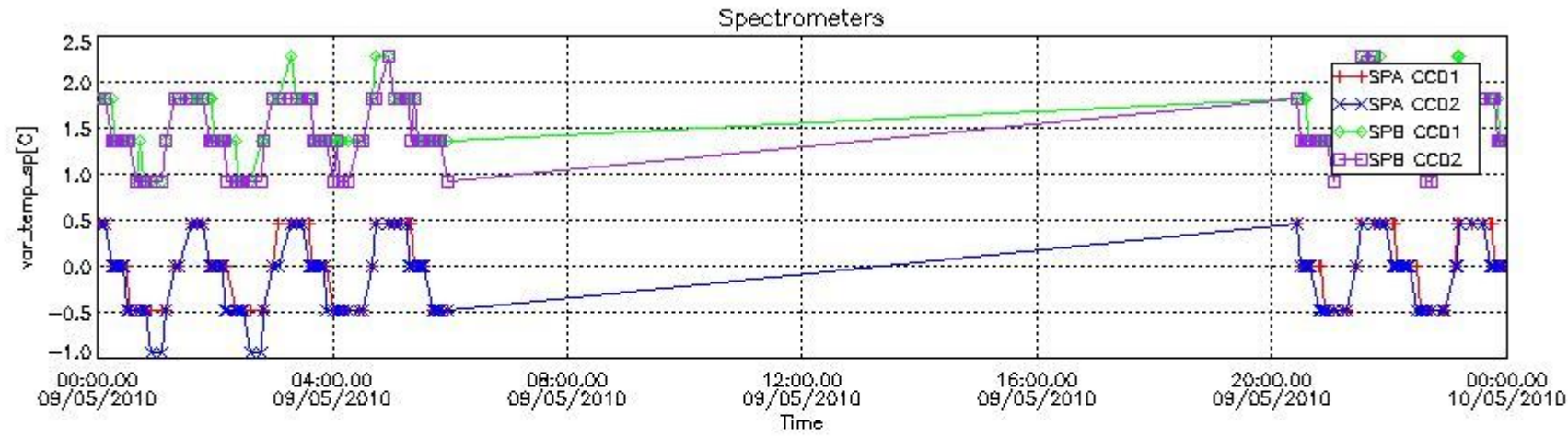
Nr	Filename	UTC Start time	Limb	Duration	Star Id	Star Name	Star Mag	Star Temp	Nb Meas	Orbit	Prod. error
1	GOM_TRA_1PNPDE20100509_000135_000000412089_00173_42812_9819.N1	09-MAY-2010 00:01:35	Dark	41.000	31	Alp Gru	1.7340	15200.	82	42812	No
2	GOM_TRA_1PNPDE20100509_000710_000000462089_00174_42813_9820.N1	09-MAY-2010 00:07:10	Dark	46.000	45	Alp Pav	1.9400	26000.	92	42813	No
3	GOM_TRA_1PNPDE20100509_001438_000000512089_00174_42813_9821.N1	09-MAY-2010 00:14:38	Straylight	50.500	141	Bet Ara	2.8400	4600.0	101	42813	No
4	GOM_TRA_1PNPDE20100509_001655_000000572089_00174_42813_9822.N1	09-MAY-2010 00:16:55	Straylight	57.000	40	The Sco	1.8590	7100.0	114	42813	No
5	GOM_TRA_1PNPDE20100509_001845_000000512089_00174_42813_9823.N1	09-MAY-2010 00:18:45	Straylight	51.000	25	35Lam Sco	1.6200	28000.	102	42813	No
6	GOM_TRA_1PNPDE20100509_002127_000000582089_00174_42813_9824.N1	09-MAY-2010 00:21:27	Straylight	58.000	75	26Eps Sco	2.2910	4250.0	116	42813	No
7	GOM_TRA_1PNPDE20100509_002450_000000482089_00174_42813_9825.N1	09-MAY-2010 00:24:50	Twilight_and_stray	48.000	16	21Alp Sco	1.0200	3000.0	96	42813	No
8	GOM_TRA_1PNPDE20100509_002646_000000512089_00174_42813_9826.N1	09-MAY-2010 00:26:46	Bright	50.500	80	7Del Sco	2.3160	30000.	101	42813	No
9	GOM_TRA_1PNPDE20100509_002938_000000412089_00174_42813_9827.N1	09-MAY-2010 00:29:38	Bright	41.000	122	9Alp2Lib	2.7470	9700.0	82	42813	No
10	GOM_TRA_1PNPDE20100509_003140_000000432089_00174_42813_9828.N1	09-MAY-2010 00:31:40	Bright	42.500	104	27Bet Lib	2.6140	13100.	85	42813	No
11	GOM_TRA_1PNPDE20100509_003957_000000382089_00174_42813_9829.N1	09-MAY-2010 00:39:57	Bright	37.500	111	8Eta Boo	2.6800	6000.0	75	42813	No
12	GOM_TRA_1PNPDE20100509_004303_000000402089_00174_42813_9830.N1	09-MAY-2010 00:43:03	Bright	40.000	83		2.3780	11000.	80	42813	No

13	GOM_TRA_1PNPDE20100509_004609_000000392089_00174_42813_9831.N1	09-MAY-2010 00:46:09	Bright	38.500	180	27Gam Boo	3.0400	8000.0	77	42813	No
14	GOM_TRA_1PNPDE20100509_004847_000000382089_00174_42813_9832.N1	09-MAY-2010 00:48:47	Bright	37.500	39	85Eta UMa	1.8540	24000.	75	42813	No
15	GOM_TRA_1PNPDE20100509_005519_000000442089_00174_42813_9833.N1	09-MAY-2010 00:55:19	Bright	44.000	119	14Eta Dra	2.7270	4700.0	88	42813	No
16	GOM_TRA_1PNPDE20100509_010606_000000442089_00174_42813_9834.N1	09-MAY-2010 01:06:06	Bright	43.500	89	5Alp Cep	2.4510	8000.0	87	42813	No
17	GOM_TRA_1PNPDE20100509_010900_000000532089_00174_42813_9835.N1	09-MAY-2010 01:09:00	Bright	53.000	74	11Bet Cas	2.2680	6600.0	106	42813	No
18	GOM_TRA_1PNPDE20100509_011852_000000522089_00174_42813_9836.N1	09-MAY-2010 01:18:52	Twilight	52.000	93	53Bet Peg	2.5200	3100.0	104	42813	No
19	GOM_TRA_1PNPDE20100509_012309_000000492089_00174_42813_9837.N1	09-MAY-2010 01:23:09	Dark	48.500	90	54Alp Peg	2.4870	11000.	97	42813	No
20	GOM_TRA_1PNPDE20100509_013621_000000472089_00174_42813_9841.N1	09-MAY-2010 01:36:21	Dark	47.000	18	24Alp PsA	1.1660	9700.0	94	42813	No
21	GOM_TRA_1PNPDE20100509_014212_000000432089_00174_42813_9842.N1	09-MAY-2010 01:42:12	Dark	43.000	31	Alp Gru	1.7340	15200.	86	42813	No
22	GOM_TRA_1PNPDE20100509_014747_000000452089_00175_42814_9843.N1	09-MAY-2010 01:47:47	Dark	45.000	45	Alp Pav	1.9400	26000.	90	42814	No
23	GOM_TRA_1PNPDE20100509_015515_000000512089_00175_42814_9844.N1	09-MAY-2010 01:55:15	Straylight	50.500	141	Bet Ara	2.8400	4600.0	101	42814	No
24	GOM_TRA_1PNPDE20100509_015731_000000542089_00175_42814_9845.N1	09-MAY-2010 01:57:31	Straylight	53.500	40	The Sco	1.8590	7100.0	107	42814	No
25	GOM_TRA_1PNPDE20100509_015922_000000532089_00175_42814_9846.N1	09-MAY-2010 01:59:22	Straylight	53.000	25	35Lam Sco	1.6200	28000.	106	42814	No
26	GOM_TRA_1PNPDE20100509_020203_000000552089_00175_42814_9847.N1	09-MAY-2010 02:02:03	Straylight	55.000	75	26Eps Sco	2.2910	4250.0	110	42814	No
27	GOM_TRA_1PNPDE20100509_020526_000000532089_00175_42814_9848.N1	09-MAY-2010 02:05:26	Twilight	53.000	16	21Alp Sco	1.0200	3000.0	106	42814	No
28	GOM_TRA_1PNPDE20100509_020722_000000562089_00175_42814_9849.N1	09-MAY-2010 02:07:22	Bright	55.500	80	7Del Sco	2.3160	30000.	111	42814	No
29	GOM_TRA_1PNPDE20100509_021014_000000422089_00175_42814_9850.N1	09-MAY-2010 02:10:14	Bright	41.500	122	9Alp2Lib	2.7470	9700.0	83	42814	No
30	GOM_TRA_1PNPDE20100509_021216_000000452089_00175_42814_9851.N1	09-MAY-2010 02:12:16	Bright	44.500	104	27Bet Lib	2.6140	13100.	89	42814	No
31	GOM_TRA_1PNPDE20100509_022032_000000382089_00175_42814_9852.N1	09-MAY-2010 02:20:32	Bright	37.500	111	8Eta Boo	2.6800	6000.0	75	42814	No
32	GOM_TRA_1PNPDE20100509_022339_000000442089_00175_42814_9853.N1	09-MAY-2010 02:23:39	Bright	43.500	83		2.3780	11000.	87	42814	No
33	GOM_TRA_1PNPDE20100509_022645_000000402089_00175_42814_9854.N1	09-MAY-2010 02:26:45	Bright	39.500	180	27Gam Boo	3.0400	8000.0	79	42814	No
34	GOM_TRA_1PNPDE20100509_022922_000000392089_00175_42814_9855.N1	09-MAY-2010 02:29:22	Bright	39.000	39	85Eta UMa	1.8540	24000.	78	42814	No
35	GOM_TRA_1PNPDE20100509_023555_000000432089_00175_42814_9856.N1	09-MAY-2010 02:35:55	Bright	43.000	119	14Eta Dra	2.7270	4700.0	86	42814	No
36	GOM_TRA_1PNPDE20100509_024641_000000452089_00175_42814_9860.N1	09-MAY-2010 02:46:41	Bright	45.000	89	5Alp Cep	2.4510	8000.0	90	42814	No
37	GOM_TRA_1PNPDE20100509_024936_000000472089_00175_42814_9861.N1	09-MAY-2010 02:49:36	Bright	47.000	74	11Bet Cas	2.2680	6600.0	94	42814	No
38	GOM_TRA_1PNPDE20100509_025929_000000562089_00175_42814_9862.N1	09-MAY-2010 02:59:29	Twilight	56.000	93	53Bet Peg	2.5200	3100.0	112	42814	No
39	GOM_TRA_1PNPDE20100509_030345_000000492089_00175_42814_9863.N1	09-MAY-2010 03:03:45	Dark	48.500	90	54Alp Peg	2.4870	11000.	97	42814	No
40	GOM_TRA_1PNPDE20100509_031657_000000432089_00175_42814_9864.N1	09-MAY-2010 03:16:57	Dark	42.500	18	24Alp PsA	1.1660	9700.0	85	42814	No
41	GOM_TRA_1PNPDE20100509_032248_000000442089_00175_42814_9865.N1	09-MAY-2010 03:22:48	Dark	43.500	31	Alp Gru	1.7340	15200.	87	42814	No
42	GOM_TRA_1PNPDE20100509_032823_000000412089_00176_42815_9866.N1	09-MAY-2010 03:28:23	Dark	40.500	45	Alp Pav	1.9400	26000.	81	42815	No
43	GOM_TRA_1PNPDE20100509_033551_000000422089_00176_42815_9867.N1	09-MAY-2010 03:35:51	Straylight	42.000	141	Bet Ara	2.8400	4600.0	84	42815	No
44	GOM_TRA_1PNPDE20100509_033808_000000532089_00176_42815_9868.N1	09-MAY-2010 03:38:08	Straylight	52.500	40	The Sco	1.8590	7100.0	105	42815	No
45	GOM_TRA_1PNPDE20100509_033959_000000532089_00176_42815_9869.N1	09-MAY-2010 03:39:59	Straylight	53.000	25	35Lam Sco	1.6200	28000.	106	42815	No
46	GOM_TRA_1PNPDE20100509_034240_000000542089_00176_42815_9870.N1	09-MAY-2010 03:42:40	Straylight	54.000	75	26Eps Sco	2.2910	4250.0	108	42815	No
47	GOM_TRA_1PNPDE20100509_034602_000000532089_00176_42815_9871.N1	09-MAY-2010 03:46:02	Twilight	53.000	16	21Alp Sco	1.0200	3000.0	106	42815	No
48	GOM_TRA_1PNPDE20100509_034758_000000632089_00176_42815_9872.N1	09-MAY-2010 03:47:58	Bright	63.000	80	7Del Sco	2.3160	30000.	126	42815	No
49	GOM_TRA_1PNPDE20100509_035050_000000402089_00176_42815_9873.N1	09-MAY-2010 03:50:50	Bright	40.000	122	9Alp2Lib	2.7470	9700.0	80	42815	No
50	GOM_TRA_1PNPDE20100509_035252_000000432089_00176_42815_9874.N1	09-MAY-2010 03:52:52	Bright	43.000	104	27Bet Lib	2.6140	13100.	86	42815	No
51	GOM_TRA_1PNPDE20100509_040108_000000362089_00176_42815_9875.N1	09-MAY-2010 04:01:08	Bright	36.000	111	8Eta Boo	2.6800	6000.0	72	42815	No
52	GOM_TRA_1PNPDE20100509_040415_000000452089_00176_42815_9876.N1	09-MAY-2010 04:04:15	Bright	44.500	83		2.3780	11000.	89	42815	No
53	GOM_TRA_1PNPDE20100509_040721_000000402089_00176_42815_9877.N1	09-MAY-2010 04:07:21	Bright	40.000	180	27Gam Boo	3.0400	8000.0	80	42815	No
54	GOM_TRA_1PNPDE20100509_040958_000000362089_00176_42815_9878.N1	09-MAY-2010 04:09:58	Bright	36.000	39	85Eta UMa	1.8540	24000.	72	42815	No
55	GOM_TRA_1PNPDE20100509_041630_000000452089_00176_42815_9879.N1	09-MAY-2010 04:16:30	Bright	44.500	119	14Eta Dra	2.7270	4700.0	89	42815	No
56	GOM_TRA_1PNPDE20100509_042717_000000442089_00176_42815_9885.N1	09-MAY-2010 04:27:17	Bright	44.000	89	5Alp Cep	2.4510	8000.0	88	42815	No
57	GOM_TRA_1PNPDE20100509_043012_000000342089_00176_42815_9886.N1	09-MAY-2010 04:30:12	Bright	34.000	74	11Bet Cas	2.2680	6600.0	68	42815	No
58	GOM_TRA_1PNPDE20100509_044005_000000532089_00176_42815_9887.N1	09-MAY-2010 04:40:05	Twilight	53.000	93	53Bet Peg	2.5200	3100.0	106	42815	No
59	GOM_TRA_1PNPDE20100509_044422_000000502089_00176_42815_9888.N1	09-MAY-2010 04:44:22	Dark	49.500	90	54Alp Peg	2.4870	11000.	99	42815	No
60	GOM_TRA_1PNPDE20100509_045734_000000462089_00176_42815_9889.N1	09-MAY-2010 04:57:34	Dark	46.000	18	24Alp PsA	1.1660	9700.0	92	42815	No
61	GOM_TRA_1PNPDE20100509_050325_000000432089_00176_42815_9890.N1	09-MAY-2010 05:03:25	Dark	42.500	31	Alp Gru	1.7340	15200.	85	42815	No
62	GOM_TRA_1PNPDE20100509_050900_000000422089_00177_42816_9891.N1	09-MAY-2010 05:09:00	Dark	42.000	45	Alp Pav	1.9400	26000.	84	42816	No
63	GOM_TRA_1PNPDE20100509_051628_000000472089_00177_42816_9892.N1	09-MAY-2010 05:16:28	Straylight	46.500	141	Bet Ara	2.8400	4600.0	93	42816	No
64	GOM_TRA_1PNPDE20100509_051844_000000512089_00177_42816_9893.N1	09-MAY-2010 05:18:44	Straylight	50.500	40	The Sco	1.8590	7100.0	101	42816	No
65	GOM_TRA_1PNPDE20100509_052036_000000522089_00177_42816_9894.N1	09-MAY-2010 05:20:36	Straylight	51.500	25	35Lam Sco	1.6200	28000.	103	42816	No
66	GOM_TRA_1PNPDE20100509_052317_000000562089_00177_42816_9895.N1	09-MAY-2010 05:23:17	Straylight	56.000	75	26Eps Sco	2.2910	4250.0	112	42816	No
67	GOM_TRA_1PNPDE20100509_052639_000000572089_00177_42816_9896.N1	09-MAY-2010 05:26:39	Twilight	57.000	16	21Alp Sco	1.0200	3000.0	114	42816	No
68	GOM_TRA_1PNPDE20100509_052834_000000552089_00177_42816_9897.N1	09-MAY-2010 05:28:34	Bright	55.000	80	7Del Sco	2.3160	30000.	110	42816	No
69	GOM_TRA_1PNPDE20100509_053126_000000412089_00177_42816_9898.N1	09-MAY-2010 05:31:26	Bright	40.500	122	9Alp2Lib	2.7470	9700.0	81	42816	No
70	GOM_TRA_1PNPDE20100509_053328_000000422089_00177_42816_9899.N1	09-MAY-2010 05:33:28	Bright	42.000	104	27Bet Lib	2.6140	13100.	84	42816	No
71	GOM_TRA_1PNPDE20100509_054144_000000382089_00177_42816_9900.N1	09-MAY-2010 05:41:44	Bright	37.500	111	8Eta Boo	2.6800	6000.0	75	42816	No



72	GOM_TRA_1PNPDE20100509_054450_000000442089_00177_42816_9901.N1	09-MAY-2010 05:44:50	Bright	44.000	83		2.3780	11000.	88	42816	No
73	GOM_TRA_1PNPDE20100509_054756_000000402089_00177_42816_9902.N1	09-MAY-2010 05:47:56	Bright	40.000	180	27Gam Boo	3.0400	8000.0	80	42816	No
74	GOM_TRA_1PNPDE20100509_055034_000000382089_00177_42816_9903.N1	09-MAY-2010 05:50:34	Bright	37.500	39	85Eta UMa	1.8540	24000.	75	42816	No
75	GOM_TRA_1PNPDE20100509_055706_000000422089_00177_42816_9904.N1	09-MAY-2010 05:57:06	Bright	42.000	119	14Eta Dra	2.7270	4700.0	84	42816	No
76	GOM_TRA_1PNPDE20100509_202606_000000582089_00186_42825_0098.N1	09-MAY-2010 20:26:06	Straylight	58.000	25	35Lam Sco	1.6200	28000.	116	42825	No
77	GOM_TRA_1PNPDE20100509_202845_000000532089_00186_42825_0099.N1	09-MAY-2010 20:28:45	Straylight	52.500	75	26Eps Sco	2.2910	4250.0	105	42825	No
78	GOM_TRA_1PNPDE20100509_203206_000000602089_00186_42825_0100.N1	09-MAY-2010 20:32:06	Twilight	60.000	16	21Alp Sco	1.0200	3000.0	120	42825	No
79	GOM_TRA_1PNPDE20100509_203400_000000512089_00186_42825_0101.N1	09-MAY-2010 20:34:00	Bright	51.000	80	7Del Sco	2.3160	30000.	102	42825	No
80	GOM_TRA_1PNPDE20100509_203651_000000392089_00186_42825_0102.N1	09-MAY-2010 20:36:51	Bright	38.500	122	9Alp2Lib	2.7470	9700.0	77	42825	No
81	GOM_TRA_1PNPDE20100509_203851_000000442089_00186_42825_0103.N1	09-MAY-2010 20:38:51	Bright	43.500	104	27Bet Lib	2.6140	13100.	87	42825	No
82	GOM_TRA_1PNPDE20100509_204707_000000372089_00186_42825_0104.N1	09-MAY-2010 20:47:07	Bright	37.000	111	8Eta Boo	2.6800	6000.0	74	42825	No
83	GOM_TRA_1PNPDE20100509_205011_000000422089_00186_42825_0105.N1	09-MAY-2010 20:50:11	Bright	41.500	83		2.3780	11000.	83	42825	No
84	GOM_TRA_1PNPDE20100509_205317_000000382089_00186_42825_0106.N1	09-MAY-2010 20:53:17	Bright	37.500	180	27Gam Boo	3.0400	8000.0	75	42825	No
85	GOM_TRA_1PNPDE20100509_205556_000000362089_00186_42825_0107.N1	09-MAY-2010 20:55:56	Bright	36.000	39	85Eta UMa	1.8540	24000.	72	42825	No
86	GOM_TRA_1PNPDE20100509_210225_000000452089_00186_42825_0108.N1	09-MAY-2010 21:02:25	Bright	44.500	119	14Eta Dra	2.7270	4700.0	89	42825	No
87	GOM_TRA_1PNPDE20100509_211313_000000452089_00186_42825_0109.N1	09-MAY-2010 21:13:13	Bright	44.500	89	5Alp Cep	2.4510	8000.0	89	42825	No
88	GOM_TRA_1PNPDE20100509_211612_000000542089_00186_42825_0110.N1	09-MAY-2010 21:16:12	Bright	54.000	74	11Bet Cas	2.2680	6600.0	108	42825	No
89	GOM_TRA_1PNPDE20100509_212606_000000552089_00186_42825_0111.N1	09-MAY-2010 21:26:06	Twilight	55.000	93	53Bet Peg	2.5200	3100.0	110	42825	No
90	GOM_TRA_1PNPDE20100509_213026_000000512089_00186_42825_0112.N1	09-MAY-2010 21:30:26	Dark	50.500	90	54Alp Peg	2.4870	11000.	101	42825	No
91	GOM_TRA_1PNPDE20100509_214340_000000502089_00186_42825_0115.N1	09-MAY-2010 21:43:40	Dark	50.000	18	24Alp PsA	1.1660	9700.0	100	42825	No
92	GOM_TRA_1PNPDE20100509_214931_000000442089_00186_42825_0116.N1	09-MAY-2010 21:49:31	Dark	43.500	31	Alp Gru	1.7340	15200.	87	42825	No
93	GOM_TRA_1PNPDE20100509_215507_000000402089_00187_42826_0117.N1	09-MAY-2010 21:55:07	Dark	40.000	45	Alp Pav	1.9400	26000.	80	42826	No
94	GOM_TRA_1PNPDE20100509_220233_000000452089_00187_42826_0118.N1	09-MAY-2010 22:02:33	Straylight	44.500	141	Bet Ara	2.8400	4600.0	89	42826	No
95	GOM_TRA_1PNPDE20100509_220452_000000492089_00187_42826_0119.N1	09-MAY-2010 22:04:52	Straylight	48.500	40	The Sco	1.8590	7100.0	97	42826	No
96	GOM_TRA_1PNPDE20100509_220643_000000542089_00187_42826_0120.N1	09-MAY-2010 22:06:43	Straylight	53.500	25	35Lam Sco	1.6200	28000.	107	42826	No
97	GOM_TRA_1PNPDE20100509_220921_000000562089_00187_42826_0121.N1	09-MAY-2010 22:09:21	Straylight	55.500	75	26Eps Sco	2.2910	4250.0	111	42826	No
98	GOM_TRA_1PNPDE20100509_221242_000000672089_00187_42826_0122.N1	09-MAY-2010 22:12:42	Twilight	67.000	16	21Alp Sco	1.0200	3000.0	134	42826	No
99	GOM_TRA_1PNPDE20100509_221436_000000602089_00187_42826_0123.N1	09-MAY-2010 22:14:36	Bright	60.000	80	7Del Sco	2.3160	30000.	120	42826	No
100	GOM_TRA_1PNPDE20100509_221727_000000422089_00187_42826_0124.N1	09-MAY-2010 22:17:27	Bright	41.500	122	9Alp2Lib	2.7470	9700.0	83	42826	No
101	GOM_TRA_1PNPDE20100509_221927_000000432089_00187_42826_0125.N1	09-MAY-2010 22:19:27	Bright	43.000	104	27Bet Lib	2.6140	13100.	86	42826	No
102	GOM_TRA_1PNPDE20100509_222744_000000362089_00187_42826_0126.N1	09-MAY-2010 22:27:44	Bright	35.500	111	8Eta Boo	2.6800	6000.0	71	42826	No
103	GOM_TRA_1PNPDE20100509_223047_000000422089_00187_42826_0127.N1	09-MAY-2010 22:30:47	Bright	42.000	83		2.3780	11000.	84	42826	No
104	GOM_TRA_1PNPDE20100509_223353_000000392089_00187_42826_0128.N1	09-MAY-2010 22:33:53	Bright	38.500	180	27Gam Boo	3.0400	8000.0	77	42826	No
105	GOM_TRA_1PNPDE20100509_223632_000000342089_00187_42826_0129.N1	09-MAY-2010 22:36:32	Bright	34.000	39	85Eta UMa	1.8540	24000.	68	42826	No
106	GOM_TRA_1PNPDE20100509_224300_000000442089_00187_42826_0130.N1	09-MAY-2010 22:43:00	Bright	43.500	119	14Eta Dra	2.7270	4700.0	87	42826	No
107	GOM_TRA_1PNPDE20100509_225348_000000422089_00187_42826_0131.N1	09-MAY-2010 22:53:48	Bright	42.000	89	5Alp Cep	2.4510	8000.0	84	42826	No
108	GOM_TRA_1PNPDE20100509_225647_000000542089_00187_42826_0132.N1	09-MAY-2010 22:56:47	Bright	54.000	74	11Bet Cas	2.2680	6600.0	108	42826	No
109	GOM_TRA_1PNPDE20100509_230643_000000532089_00187_42826_0133.N1	09-MAY-2010 23:06:43	Twilight	53.000	93	53Bet Peg	2.5200	3100.0	106	42826	No
110	GOM_TRA_1PNPDE20100509_230942_000000412089_00187_42826_0134.N1	09-MAY-2010 23:09:42	Twilight	41.000	140	88Gam Peg	2.8340	26000.	82	42826	No
111	GOM_TRA_1PNPDE20100509_231102_000000502089_00187_42826_0135.N1	09-MAY-2010 23:11:02	Dark	49.500	90	54Alp Peg	2.4870	11000.	99	42826	No
112	GOM_TRA_1PNPDE20100509_232416_000000472089_00187_42826_0136.N1	09-MAY-2010 23:24:16	Dark	46.500	18	24Alp PsA	1.1660	9700.0	93	42826	No
113	GOM_TRA_1PNPDE20100509_233543_000000412089_00188_42827_0137.N1	09-MAY-2010 23:35:43	Dark	40.500	45	Alp Pav	1.9400	26000.	81	42827	No
114	GOM_TRA_1PNPDE20100509_234309_000000432089_00188_42827_0138.N1	09-MAY-2010 23:43:09	Straylight	42.500	141	Bet Ara	2.8400	4600.0	85	42827	No
115	GOM_TRA_1PNPDE20100509_234528_000000482089_00188_42827_0139.N1	09-MAY-2010 23:45:28	Straylight	47.500	40	The Sco	1.8590	7100.0	95	42827	No
116	GOM_TRA_1PNPDE20100509_234719_000000602089_00188_42827_0140.N1	09-MAY-2010 23:47:19	Straylight	60.000	25	35Lam Sco	1.6200	28000.	120	42827	No
117	GOM_TRA_1PNPDE20100509_234958_000000562089_00188_42827_0141.N1	09-MAY-2010 23:49:58	Straylight	56.000	75	26Eps Sco	2.2910	4250.0	112	42827	No
118	GOM_TRA_1PNPDE20100509_235318_000000712089_00188_42827_0142.N1	09-MAY-2010 23:53:18	Twilight	71.000	16	21Alp Sco	1.0200	3000.0	142	42827	No
119	GOM_TRA_1PNPDE20100509_235512_000000592089_00188_42827_0143.N1	09-MAY-2010 23:55:12	Bright	58.500	80	7Del Sco	2.3160	30000.	117	42827	No
120	GOM_TRA_1PNPDE20100509_235803_000000402089_00188_42827_0144.N1	09-MAY-2010 23:58:03	Bright	40.000	122	9Alp2Lib	2.7470	9700.0	80	42827	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).

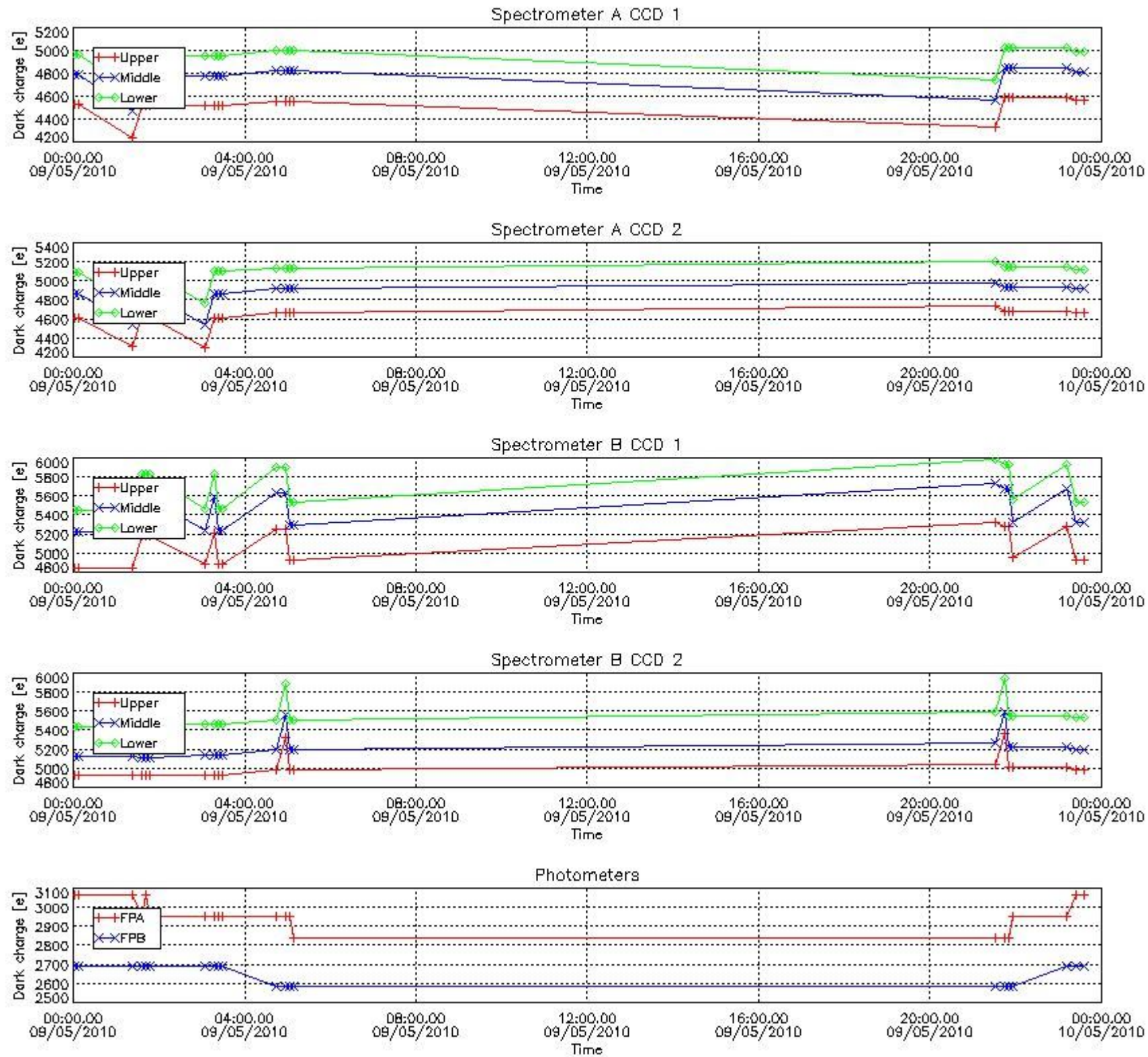
In this section a list of products that did not use the Dark Sky Area (DSA) observation for the DC computation is given. It is also provided the mean DC plot per product for dark limb products with no error flag set.

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

Product name	DC information
GOM_TRA_1PNPDE20100509_202606_000000582089_00186_42825_0098.N1	DC map used
GOM_TRA_1PNPDE20100509_202845_000000532089_00186_42825_0099.N1	DC map used
GOM_TRA_1PNPDE20100509_203206_000000602089_00186_42825_0100.N1	DC map used
GOM_TRA_1PNPDE20100509_203400_000000512089_00186_42825_0101.N1	DC map used
GOM_TRA_1PNPDE20100509_203651_000000392089_00186_42825_0102.N1	DC map used
GOM_TRA_1PNPDE20100509_203851_000000442089_00186_42825_0103.N1	DC map used
GOM_TRA_1PNPDE20100509_204707_000000372089_00186_42825_0104.N1	DC map used
GOM_TRA_1PNPDE20100509_205011_000000422089_00186_42825_0105.N1	DC map used
GOM_TRA_1PNPDE20100509_205317_000000382089_00186_42825_0106.N1	DC map used
GOM_TRA_1PNPDE20100509_205556_000000362089_00186_42825_0107.N1	DC map used
GOM_TRA_1PNPDE20100509_210225_000000452089_00186_42825_0108.N1	DC map used
GOM_TRA_1PNPDE20100509_211313_000000452089_00186_42825_0109.N1	DC map used
GOM_TRA_1PNPDE20100509_211612_000000542089_00186_42825_0110.N1	DC map used
GOM_TRA_1PNPDE20100509_212606_000000552089_00186_42825_0111.N1	DC map used



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



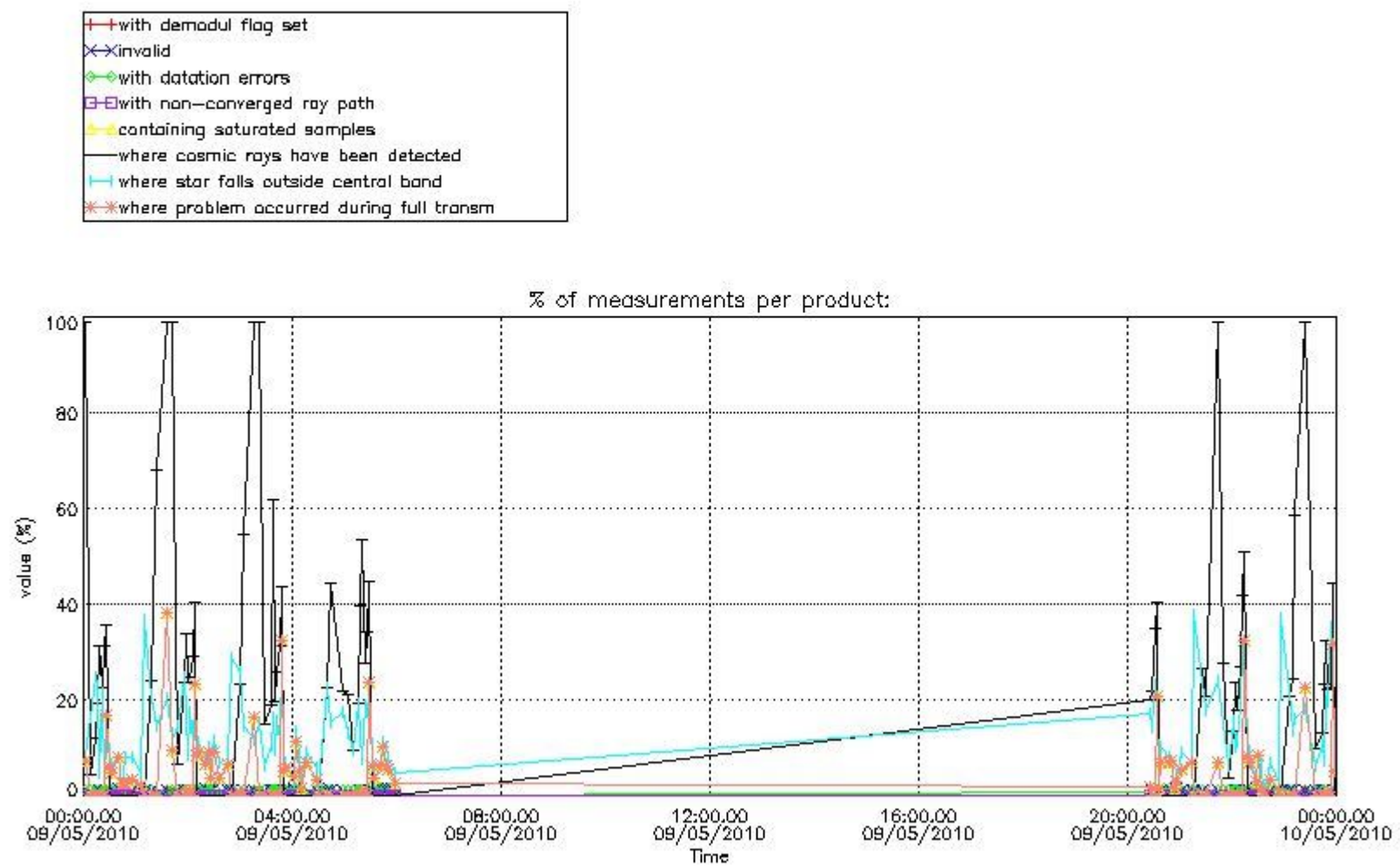
#### 5. Demodulation flag and quality information monitoring

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:

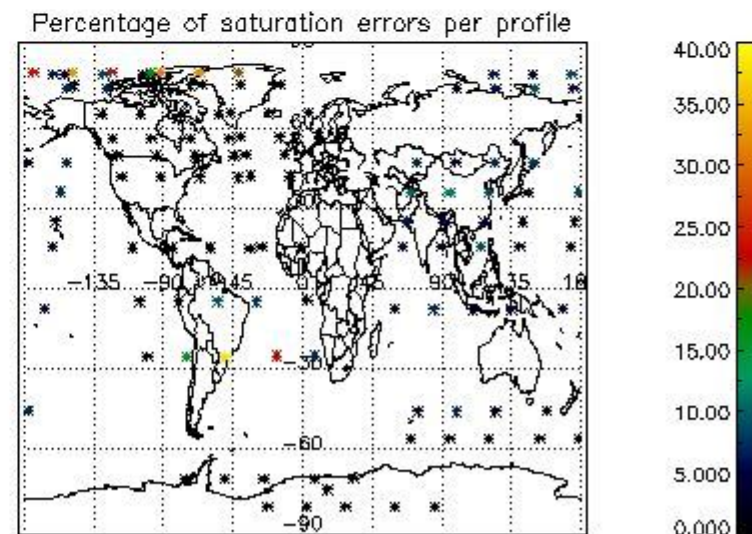
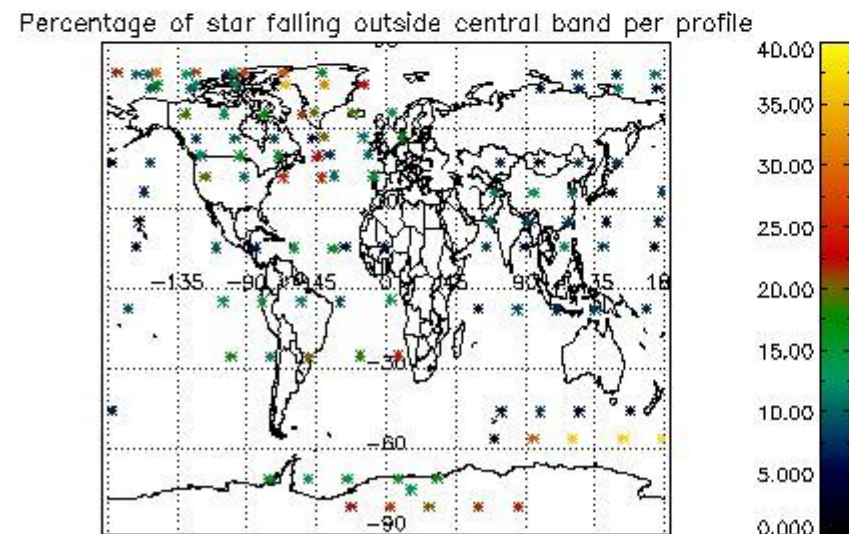
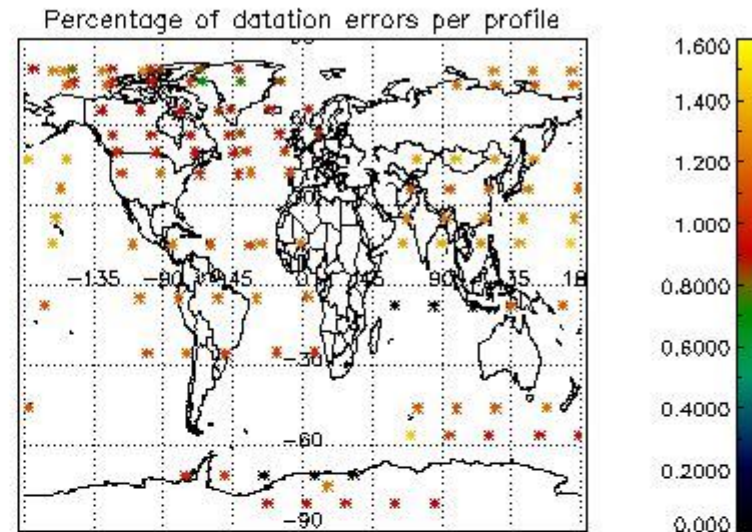
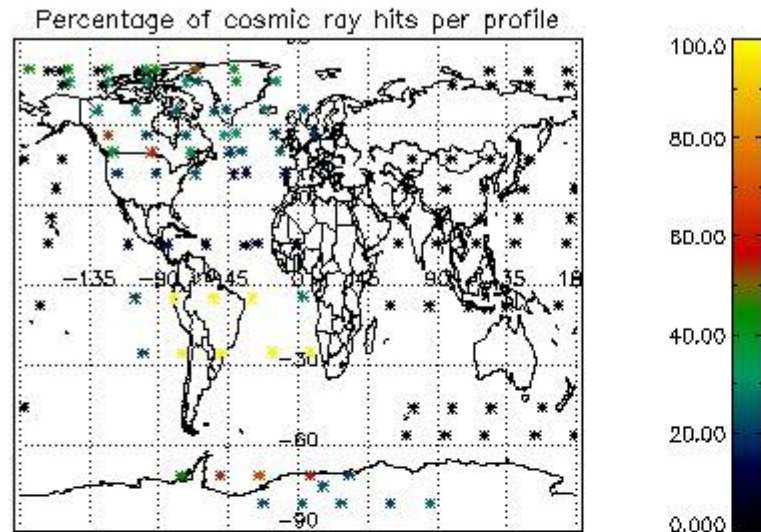
At least one measurement with demodulation flag set:	41.6667 %
Reference spectrum computed from DB:	0.00000 %
Reference spectrum with small number of measurements:	0.00000 %
SATU data not used:	0.00000 %

5.2 Plot quality information per product (time dependant)



5.3 Plot quality information per product (world map)





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

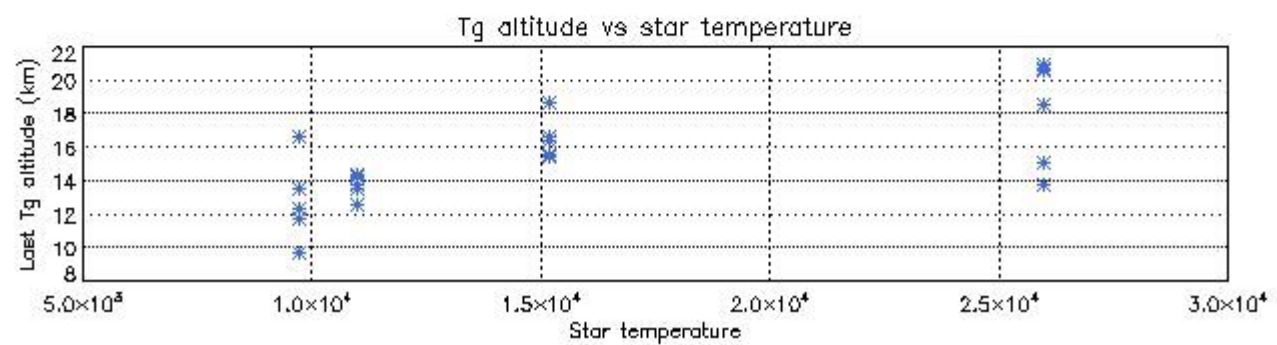
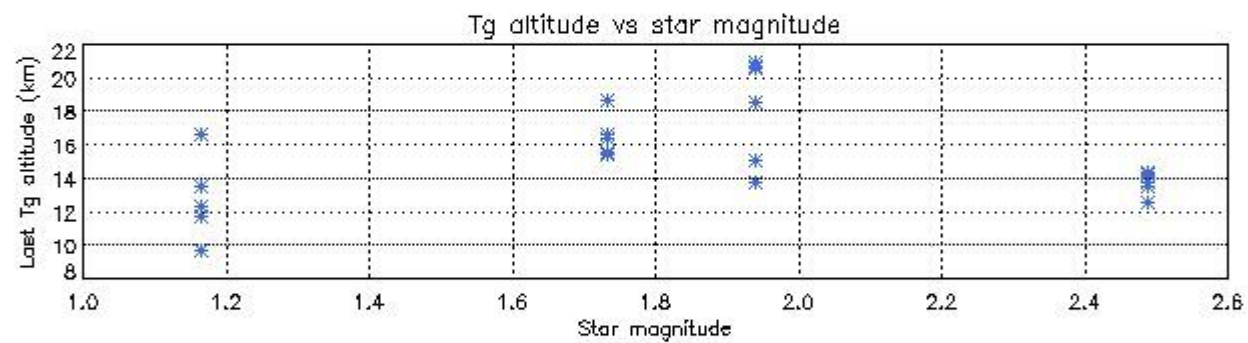
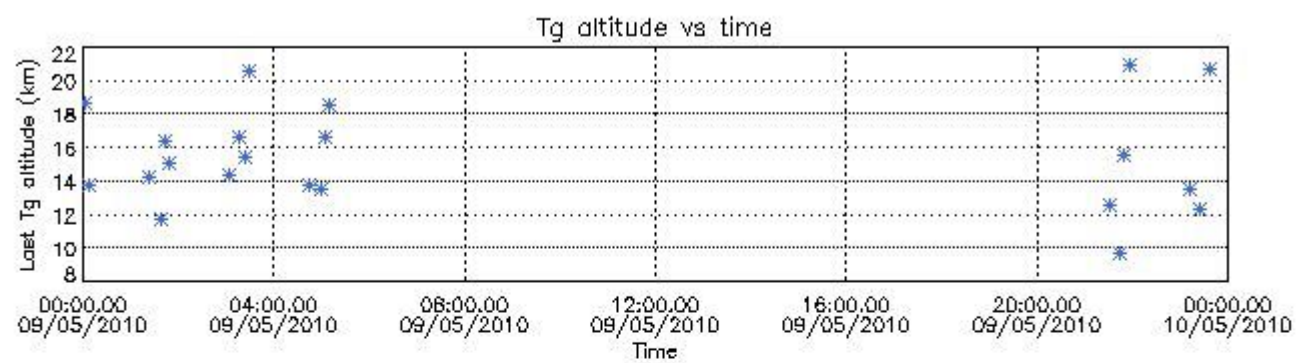
### 6.1 Statistics on tangent altitude lost:

Statistics	DARK	BRIGHT	TWILIGHT
Mean:	15.435	18.208	14.428
St. deviation:	3.0692	5.2894	0.0000
Maximum:	20.897	27.753	14.428
Minimum:	9.6261	3.6385	14.428
Number of data:	21.000	60.000	1.0000

### 6.2 Plot for DARK limb products

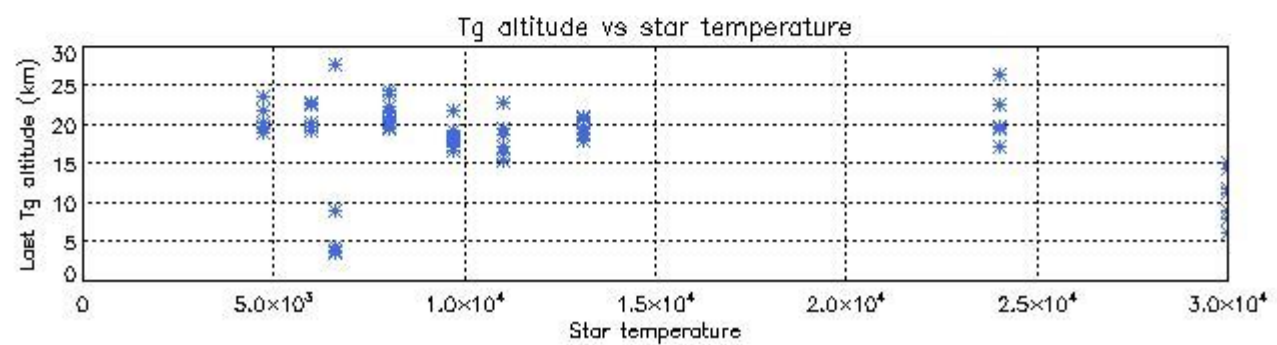
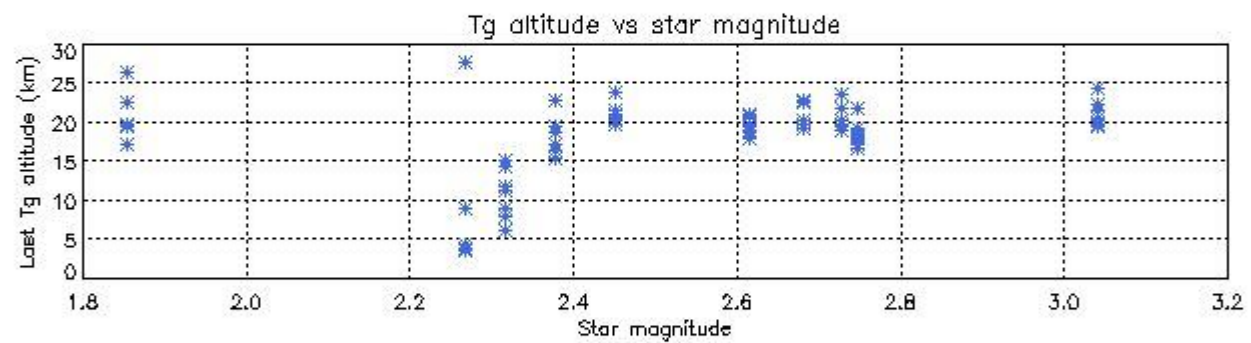
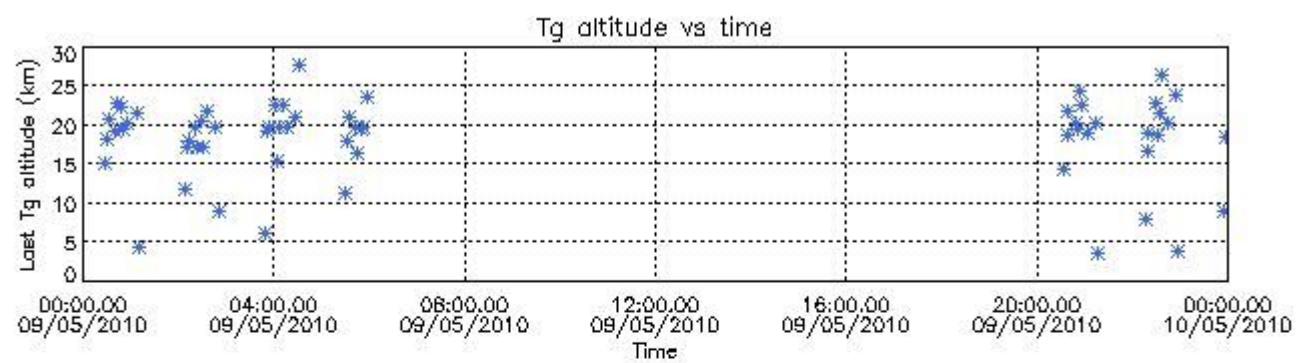


Tangent altitude at which the star is lost



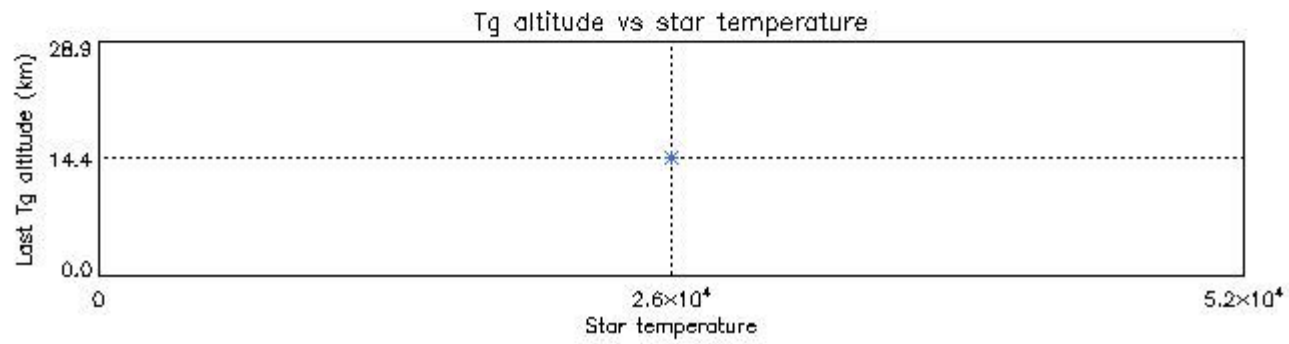
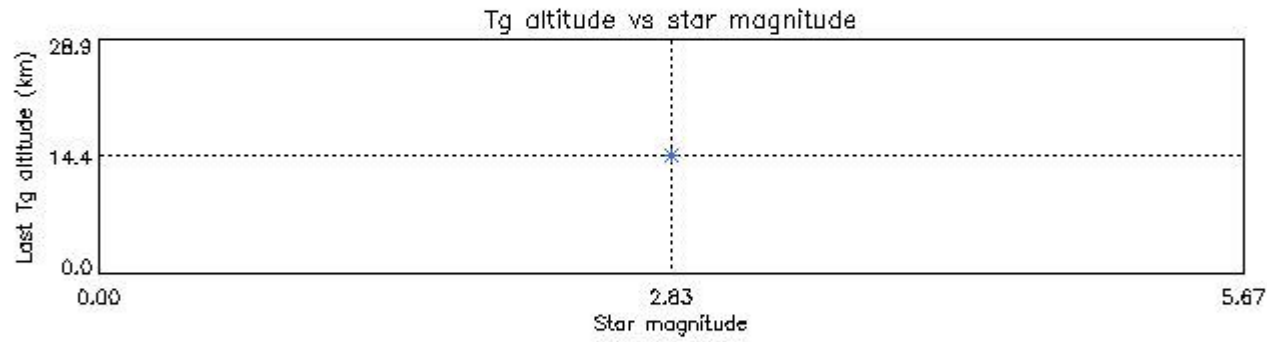
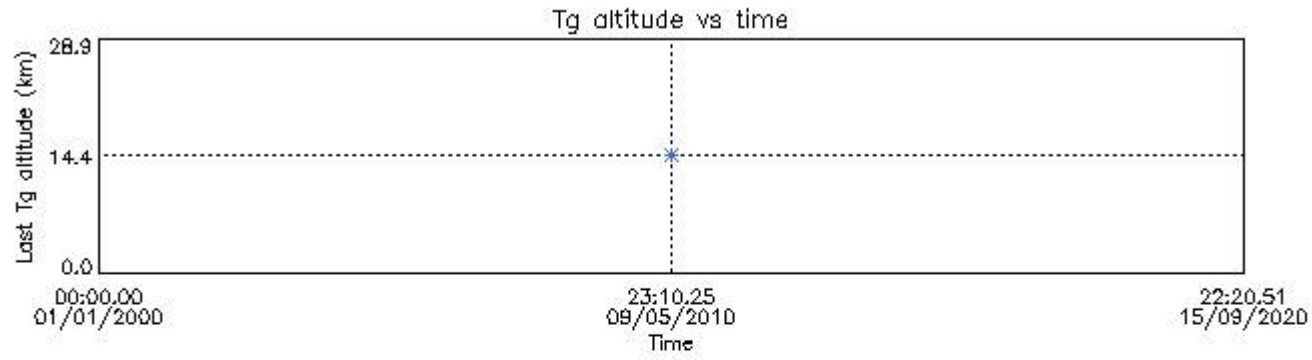
6.3 Plot for BRIGHT limb products

Tangent altitude at which the star is lost



6.3 Plot for TWILIGHT limb products

Tangent altitude at which the star is lost



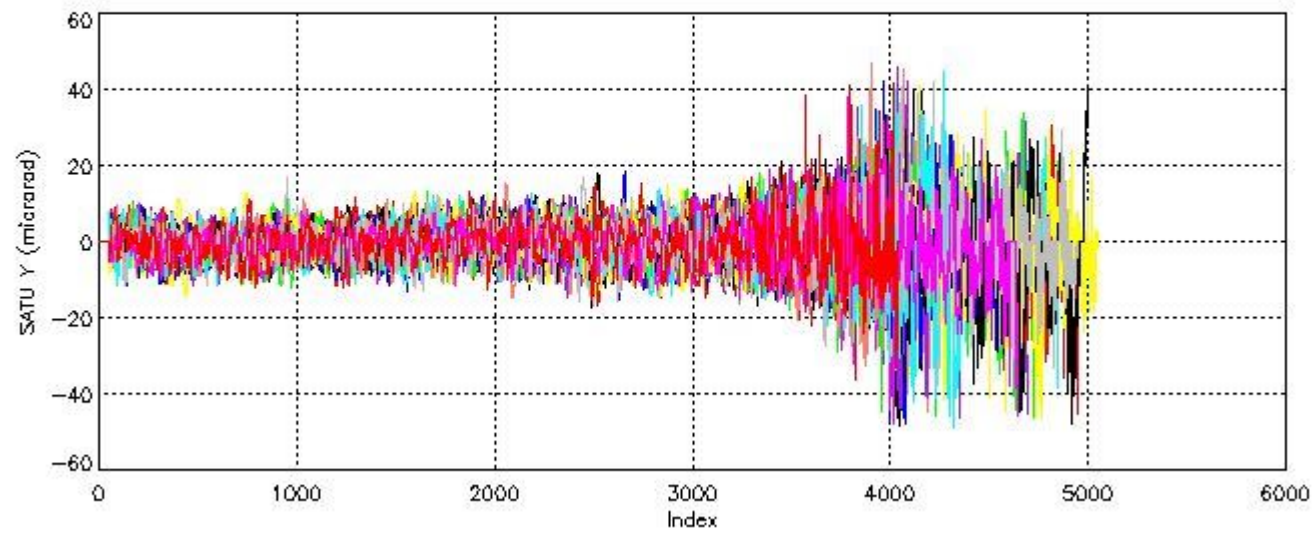
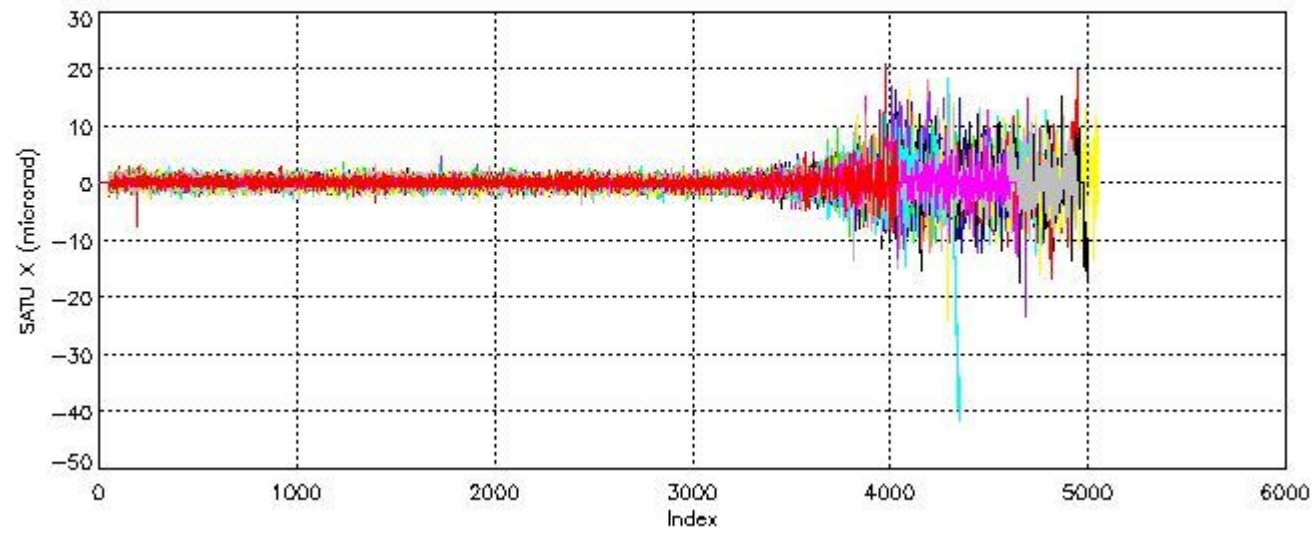
## 7. Star Acquisition and Tracking Unit (SATU)

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:	0.19164	-0.69717	0.22729	-0.79789
St. deviation:	0.57234	3.6527	0.91180	3.8216
Maximum:	3.3000	16.800	6.0000	16.400
Minimum:	-7.7000	-14.800	-5.6000	-17.100

Number of data:	20750.	20750.	57900.	57900.
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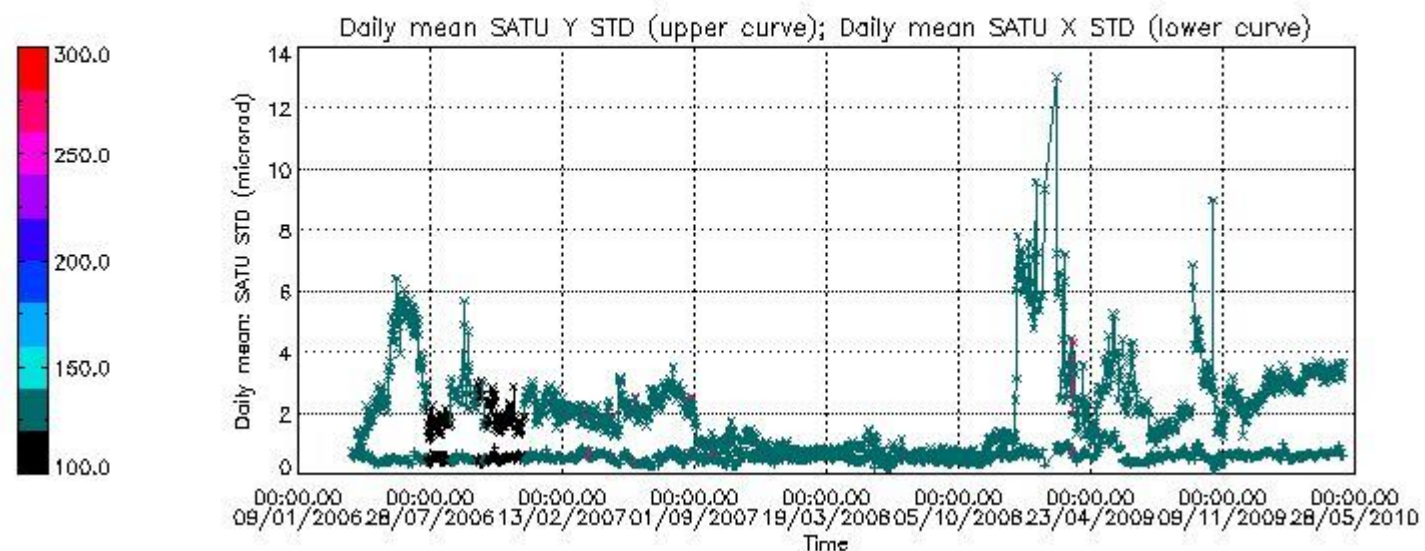
### 7.2.2 Trend of daily SATU NEA St. deviation since 1st April 2006 (dark limb)

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

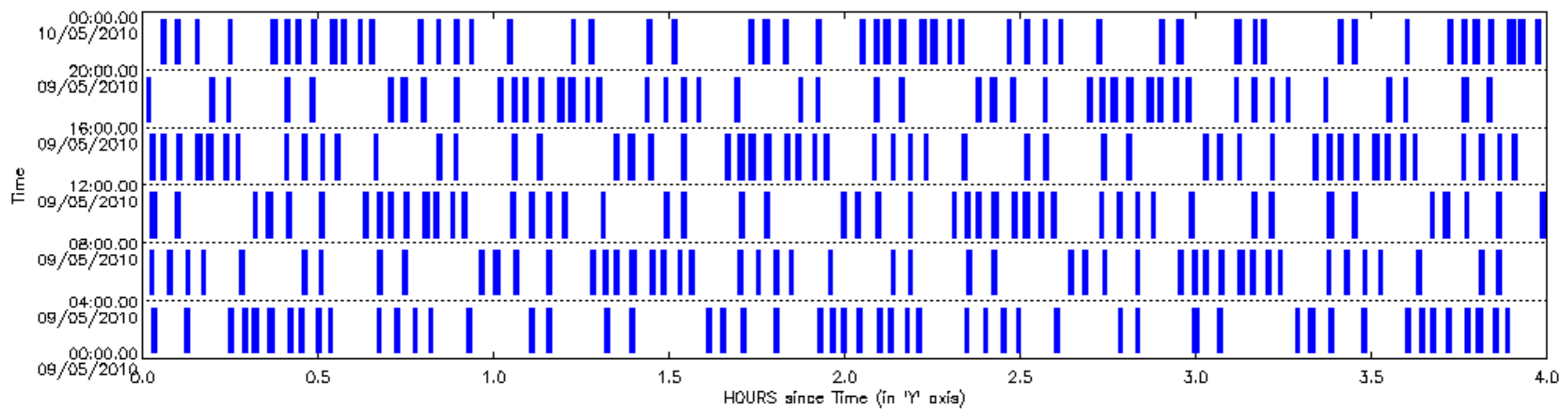
Lower curve: STD of SATU X axis



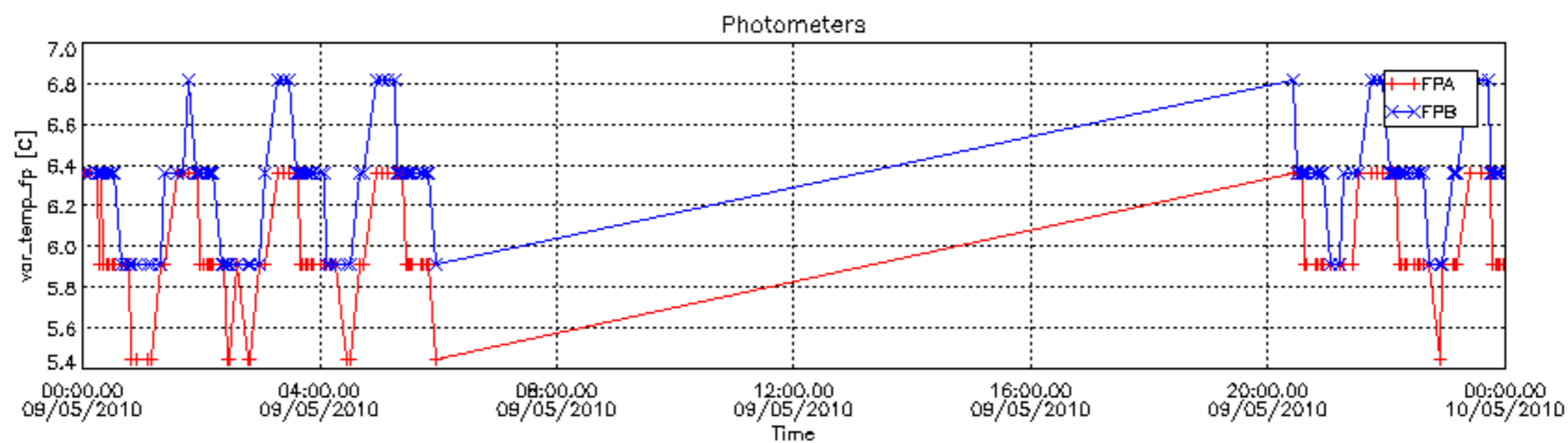
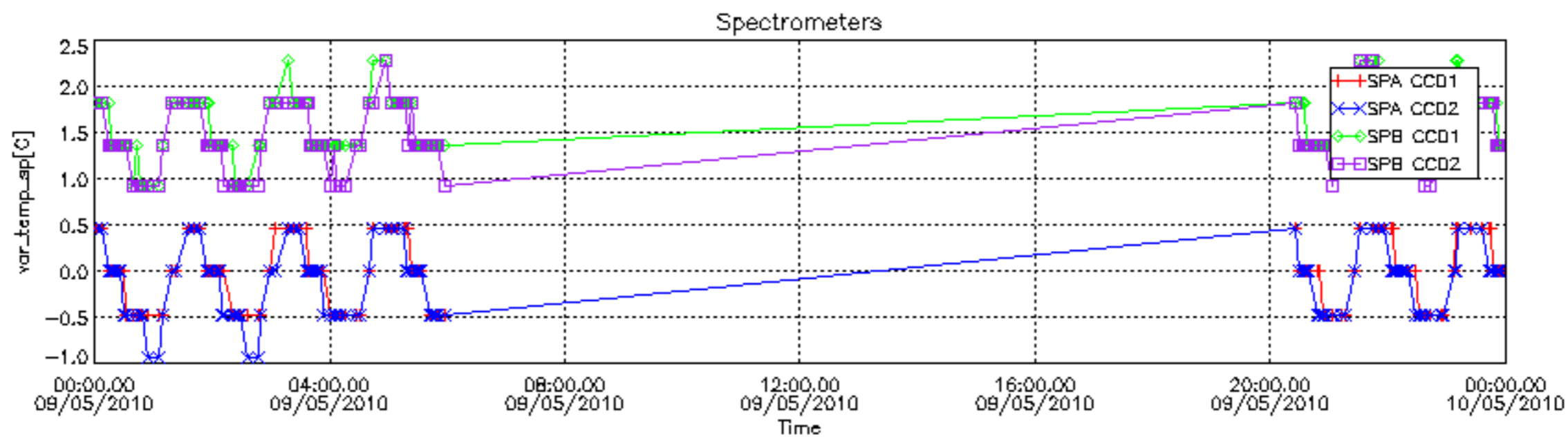
### 8. Auxiliary Data Files used for the production reported in section 2.4

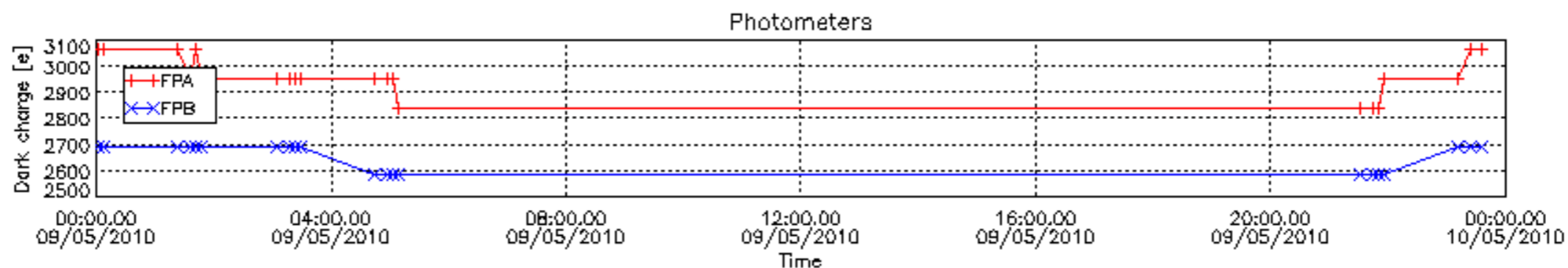
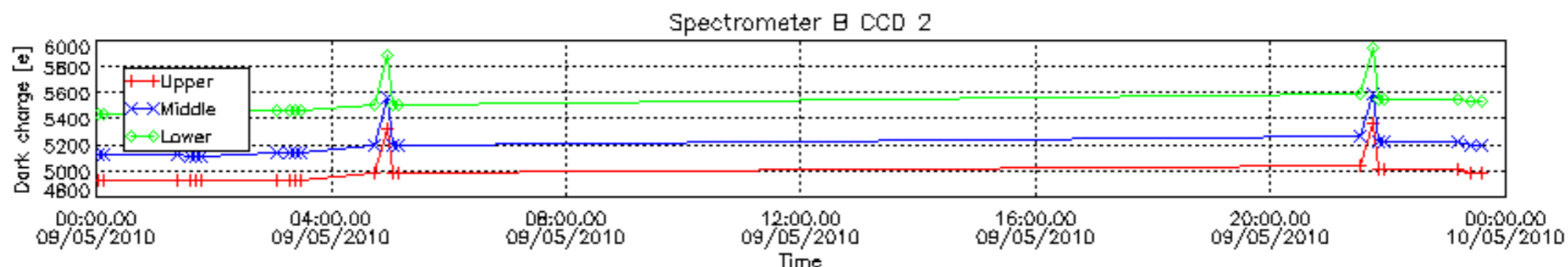
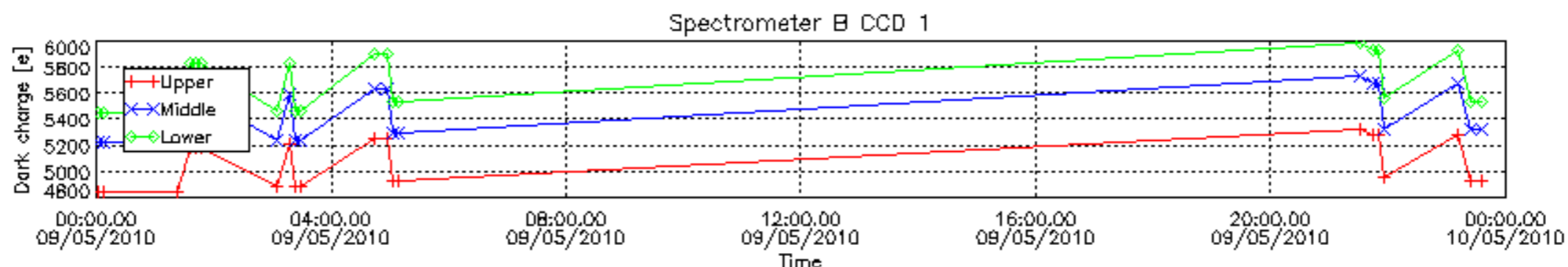
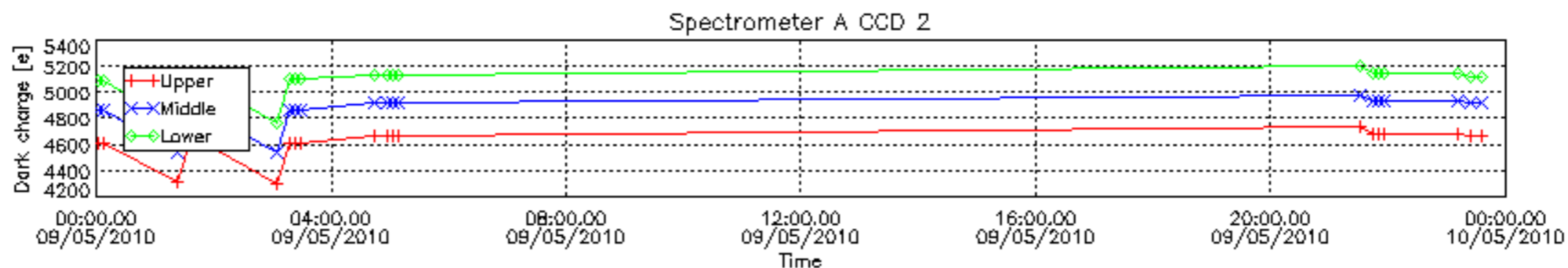
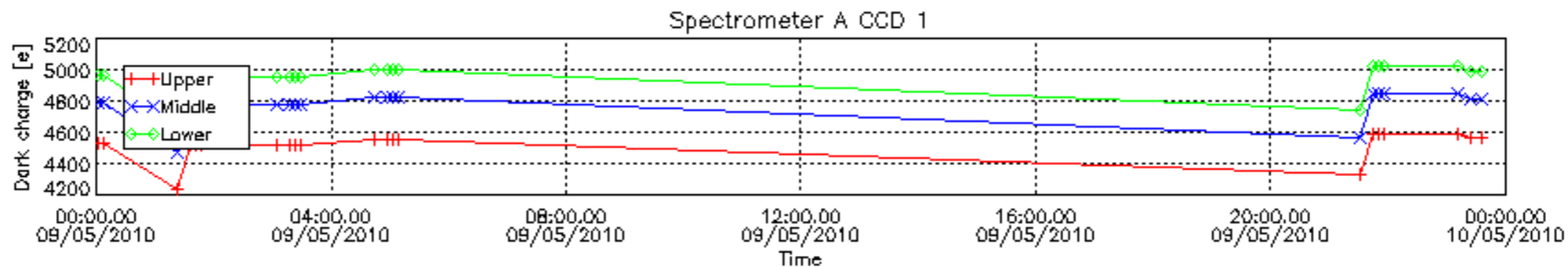
The number reported in the third column indicates since which file (see list in section 2.4) the corresponding auxiliary file has been used. The fourth column is the date of those product files.

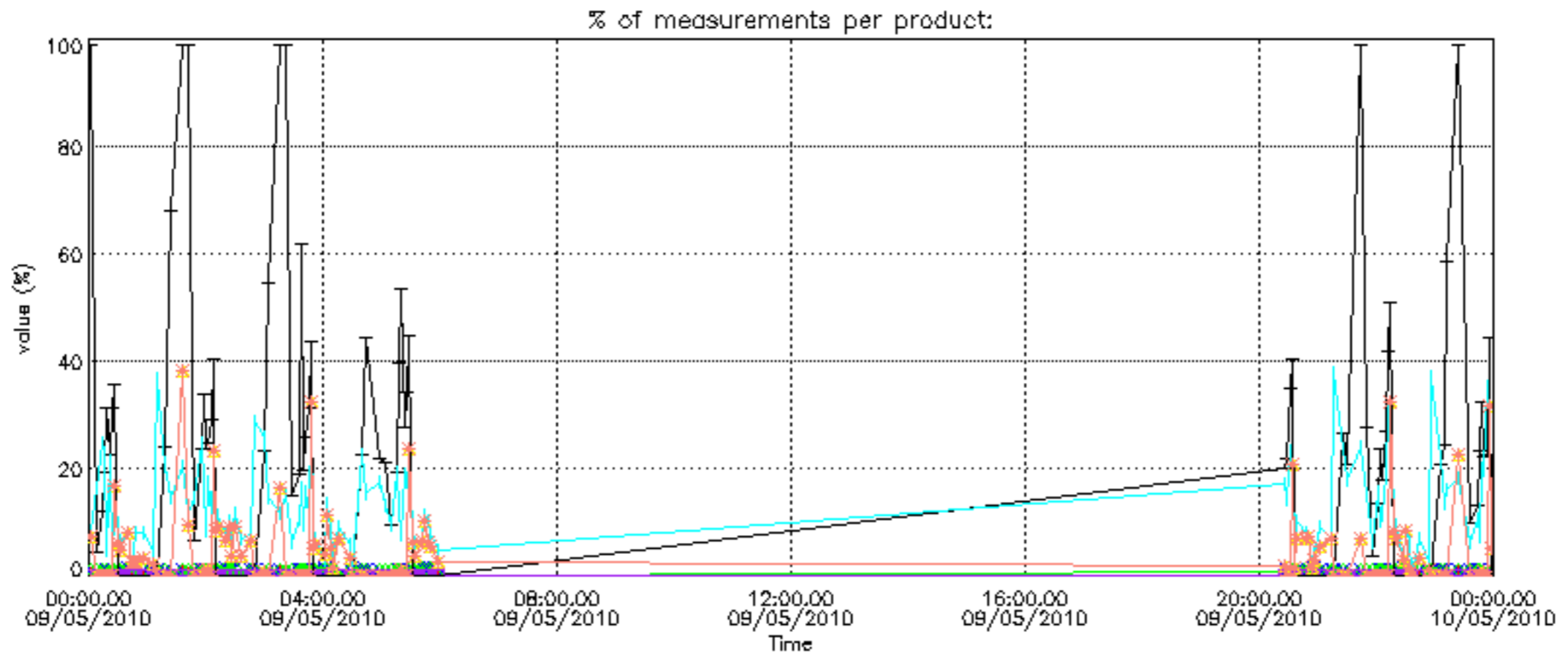
Type	Auxiliary Filename	Used since product	Used since product date
INST_PHYS_CHARACTERISTICS	GOM_INS_AXVIEC20091111_143220_20030716_120000_20500101_000000	1	09-MAY-2010 00:01:35
CALIBRATION_DATABASE	GOM_CAL_AXVIEC20100504_084318_20100501_000000_20500101_000000	1	09-MAY-2010 00:01:35
LEVEL-1B_PROC_CONFIG	GOM_PR1_AXVIEC20091111_145255_20020301_000000_20500101_000000	1	09-MAY-2010 00:01:35
STAR_CATALOGUE	GOM_CAT_AXVIEC20020121_161009_20020101_000000_20200101_000000	1	09-MAY-2010 00:01:35
STELLAR_SPECTRA_DATABANK	GOM_STS_AXVIEC20091111_151504_20020101_160000_20500101_000000	1	09-MAY-2010 00:01:35
ECMWF_FILE	AUX_ECF_AXNECM20100508_053300_20100508_210000_20100509_090000	1	09-MAY-2010 00:01:35
ECMWF_FILE	AUX_ECF_AXNECM20100508_172457_20100509_030000_20100509_150000	56	09-MAY-2010 04:27:17
ECMWF_FILE	AUX_ECF_AXNECM20100509_052118_20100509_150000_20100510_030000	76	09-MAY-2010 20:26:06
ECMWF_FILE	AUX_ECF_AXNECM20100509_052119_20100509_210000_20100510_090000	91	09-MAY-2010 21:43:40
OPTIONAL_ECMWF_FILE	MISSING	1	09-MAY-2010 00:01:35
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20100508_234432_000057382089_00173_42812_0313.N1	1	09-MAY-2010 00:01:35
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20100509_012529_000041442089_00174_42813_0314.N1	20	09-MAY-2010 01:36:21
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20100509_023952_000057382089_00175_42814_0315.N1	36	09-MAY-2010 02:46:41
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20100509_042049_000057382089_00176_42815_0316.N1	56	09-MAY-2010 04:27:17
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20100509_202230_000041442089_00186_42825_0317.N1	76	09-MAY-2010 20:26:06
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20100509_213653_000057382089_00186_42825_0318.N1	91	09-MAY-2010 21:43:40
ORBIT_DATA_FILE	AUX_FPO_AXVPDS20100509_112117_20100508_190107_20100518_202721	112	09-MAY-2010 23:24:16





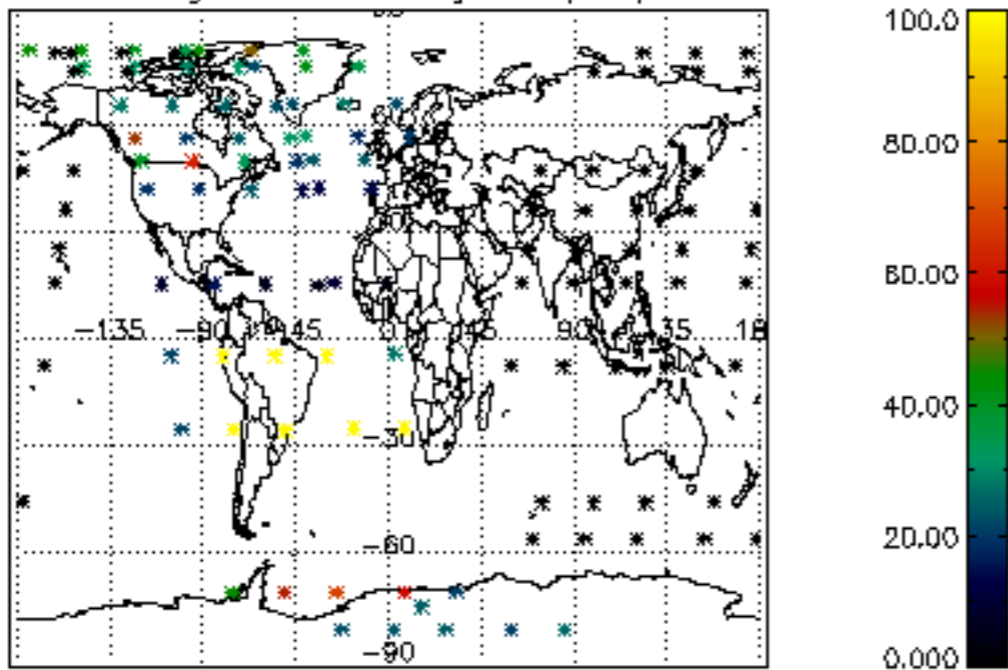




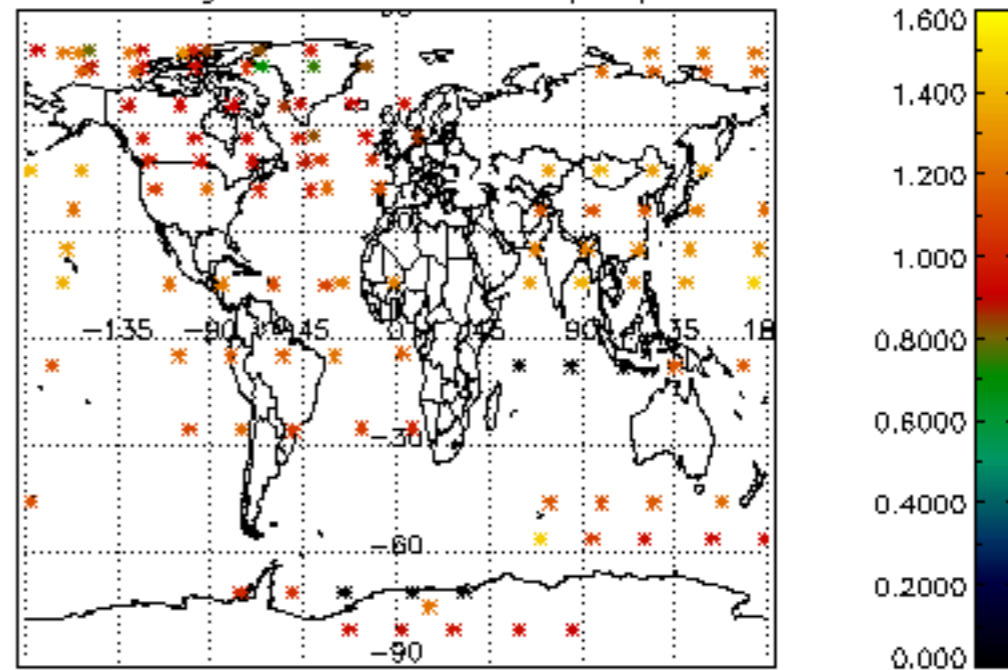




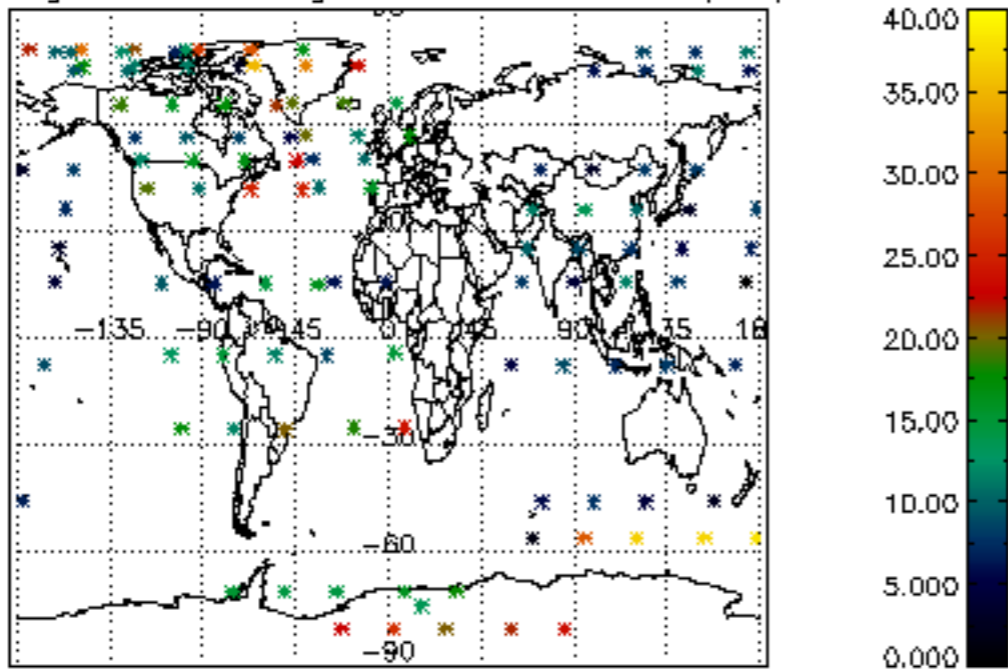
Percentage of cosmic ray hits per profile



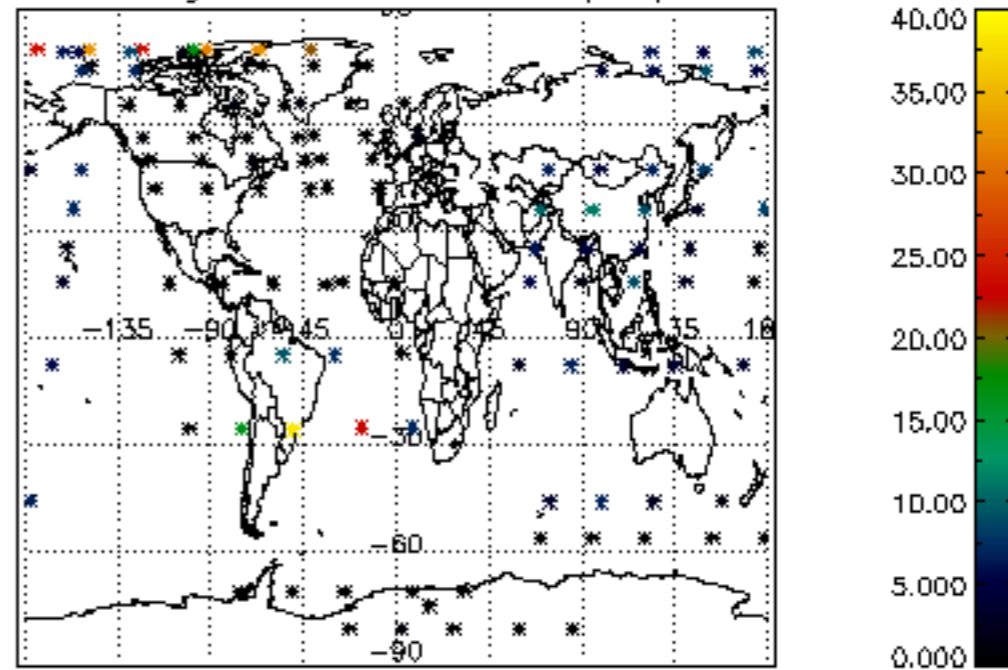
Percentage of datation errors per profile



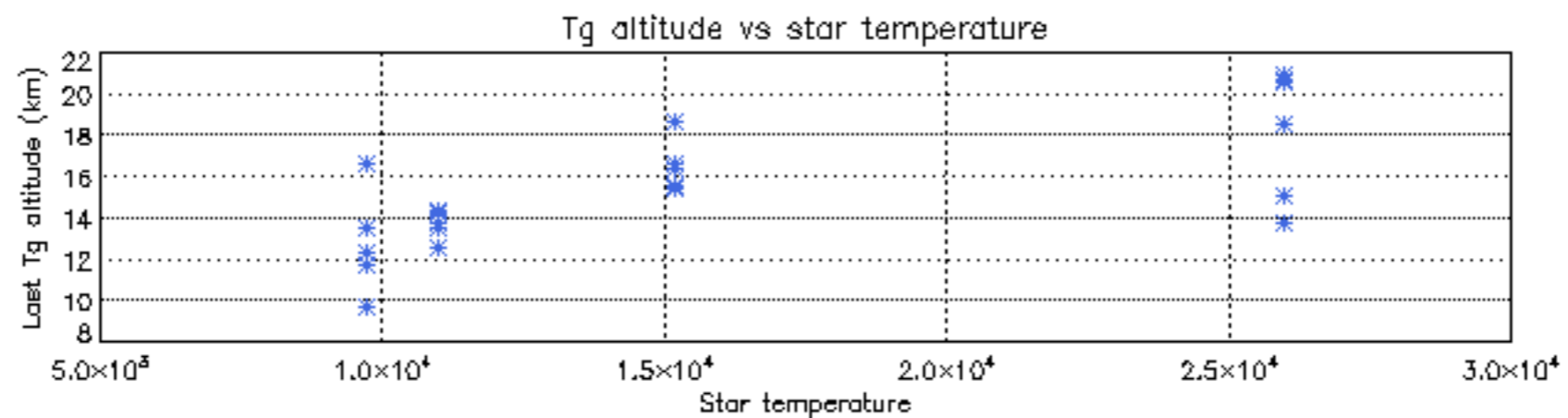
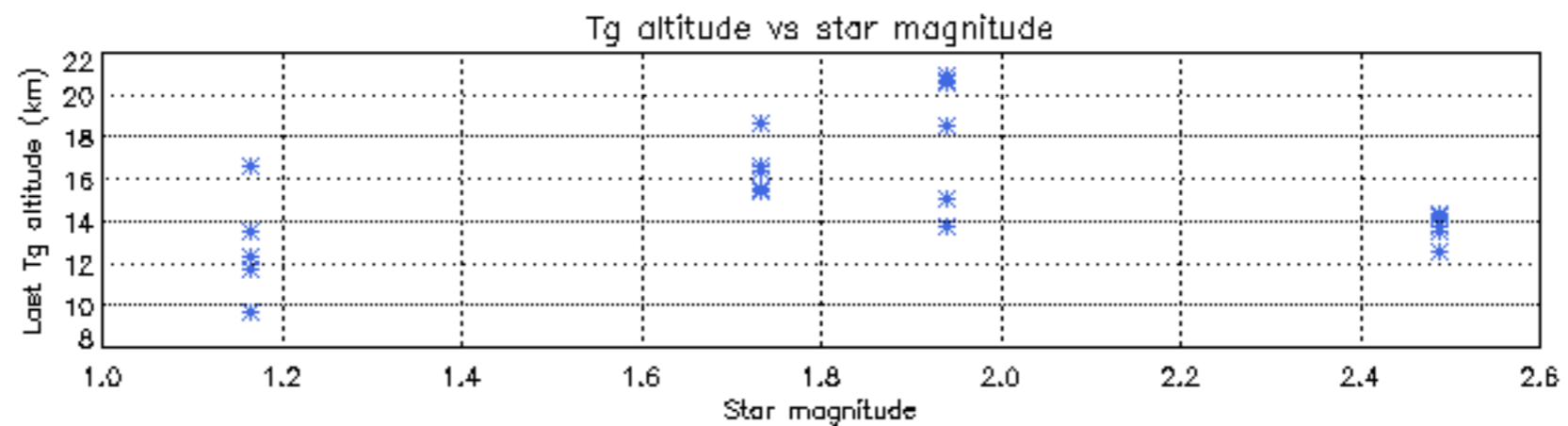
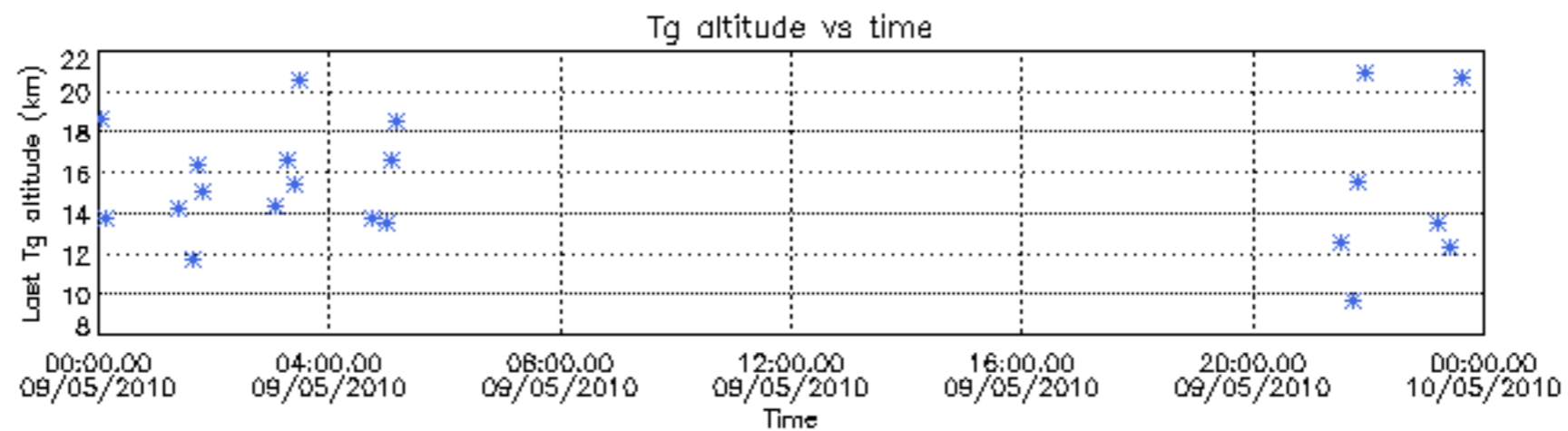
Percentage of star falling outside central band per profile



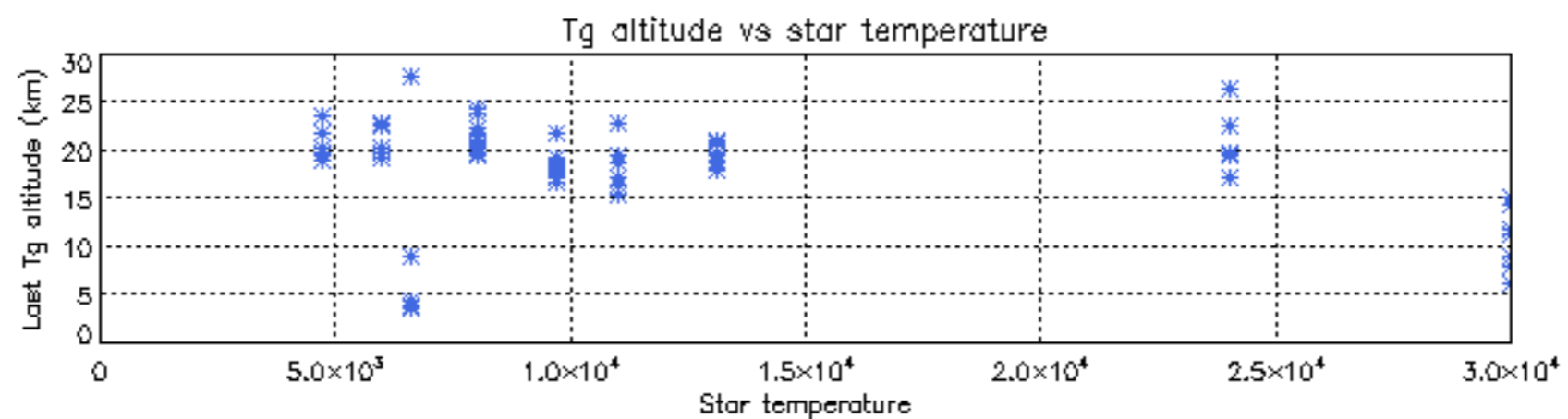
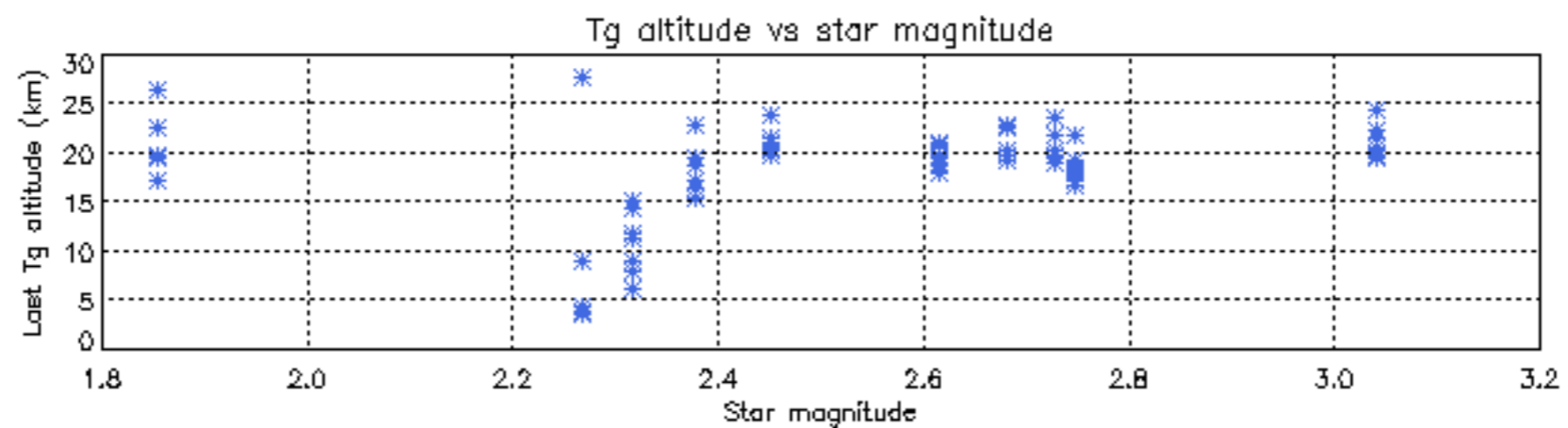
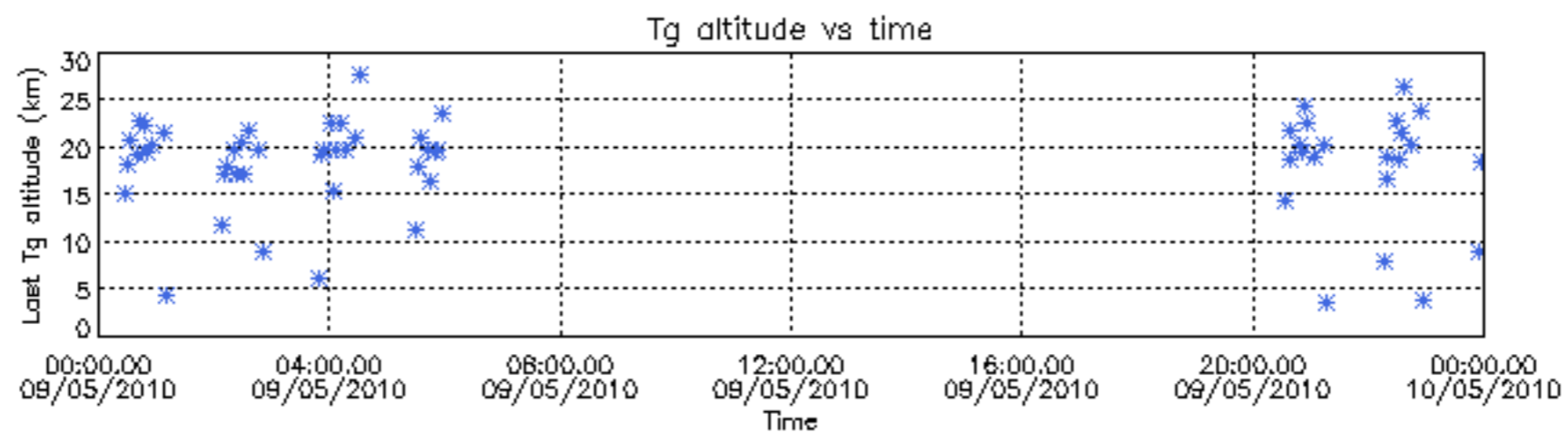
Percentage of saturation errors per profile



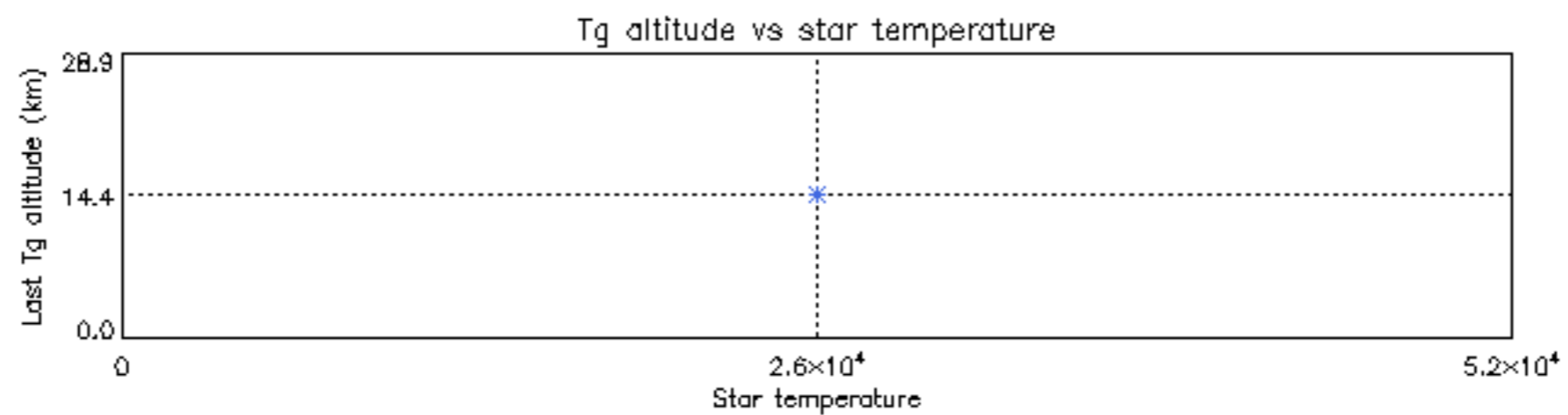
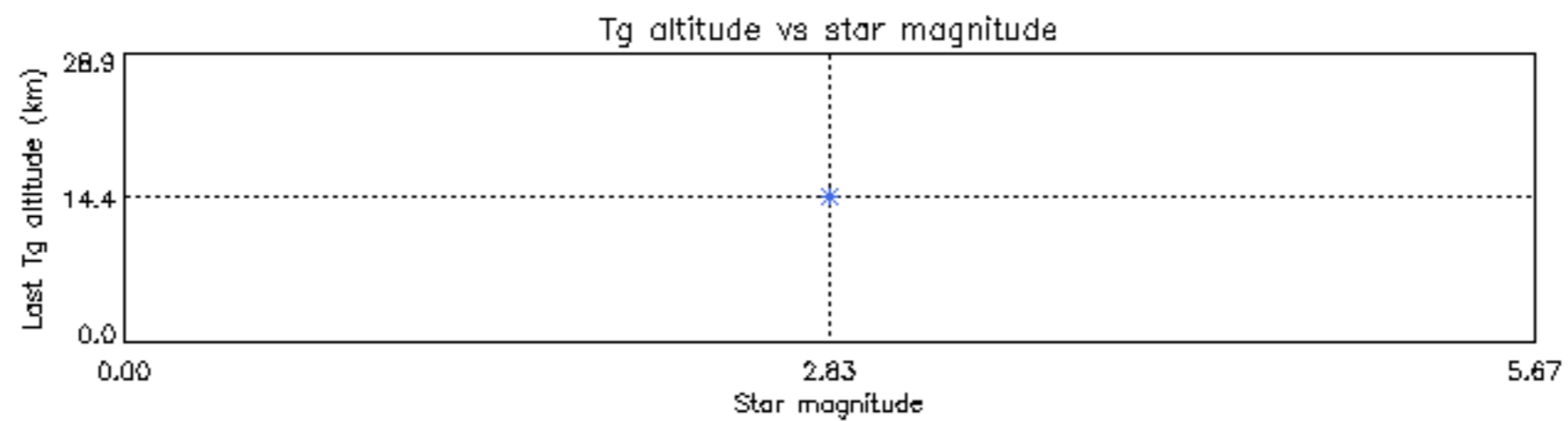
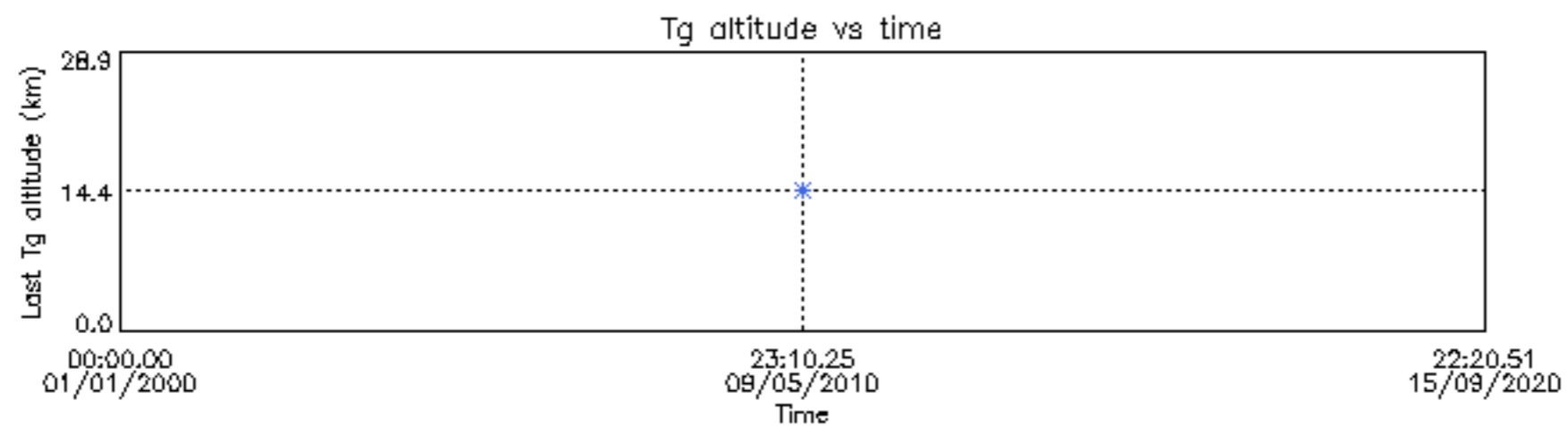
Tangent altitude at which the star is lost



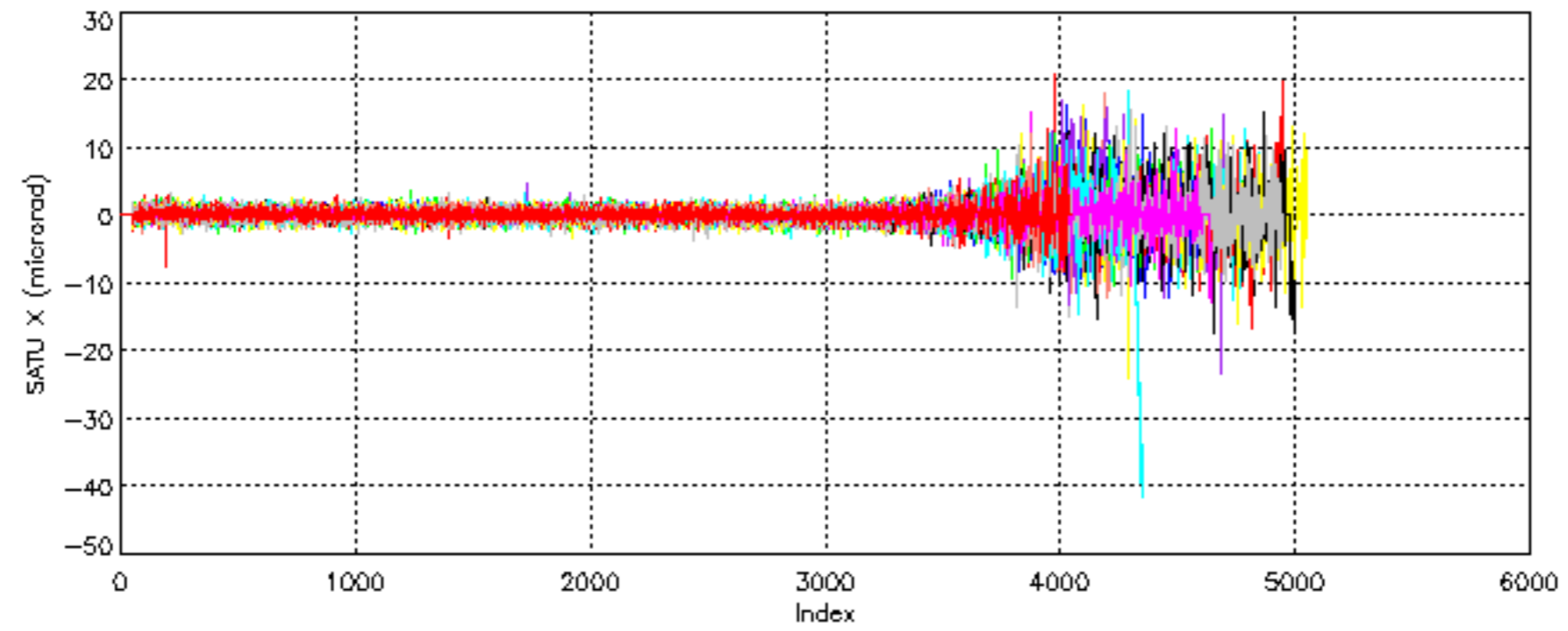
Tangent altitude at which the star is lost

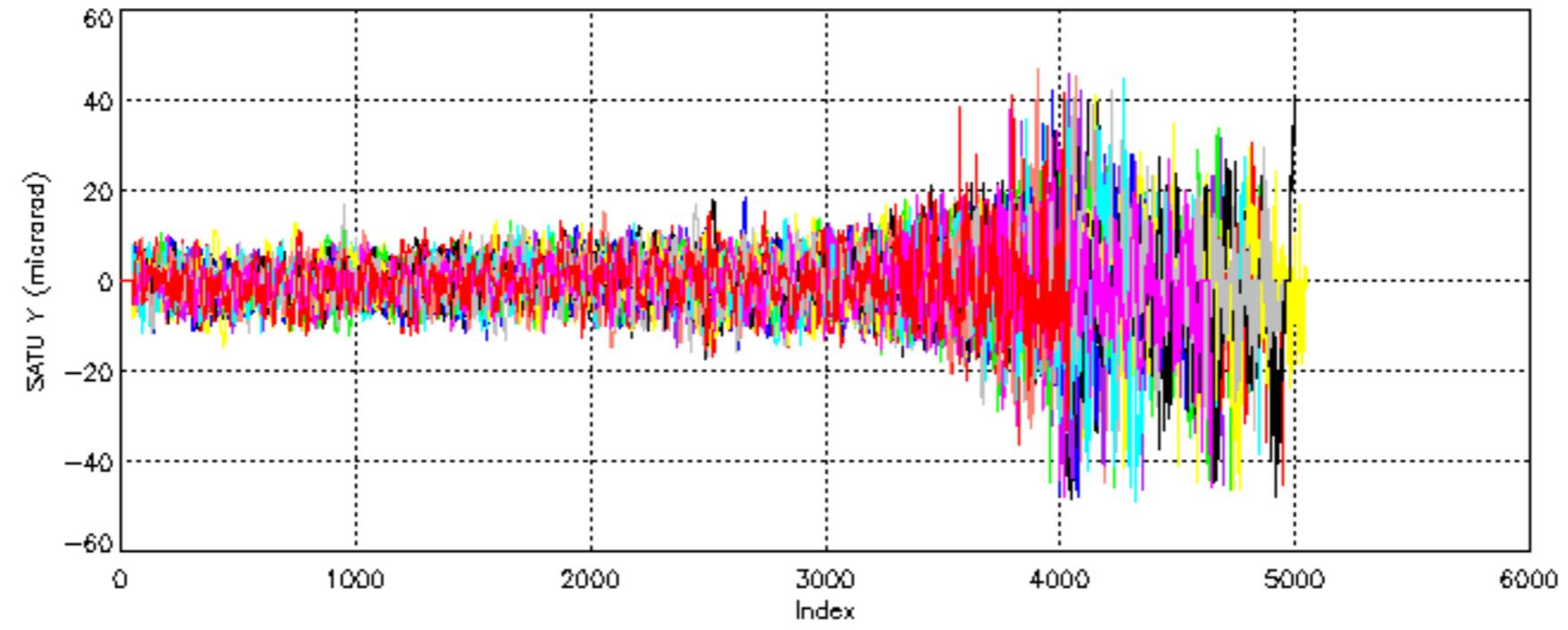


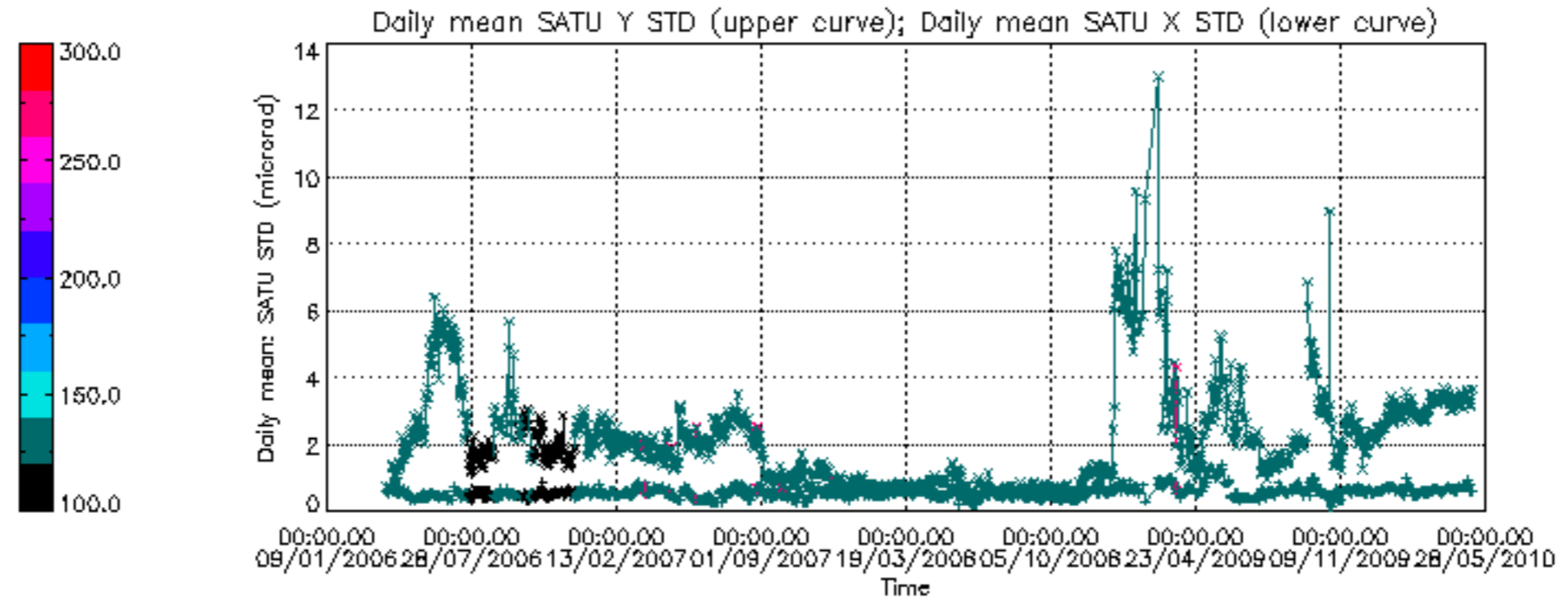
Tangent altitude at which the star is lost











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 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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 9; 1590.0; 01-MAY-2010 01:21:09; Bright; 45.0; 122; 9Alp2Lib ; 2.75; 9700;occ; 90; 0;42699  
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 11; 2233.6; 01-MAY-2010 01:31:52; Bright; 40.0; 111; 8Eta Boo ; 2.68; 6000;occ; 80; 0;42699  
 12; 2456.5; 01-MAY-2010 01:35:35; Bright; 45.5; 83; ; 2.38; 11000;occ; 91; 0;42699  
 13; 2637.1; 01-MAY-2010 01:38:36; Bright; 40.5; 180; 27Gam Boo ; 3.04; 8000;occ; 81; 0;42699  
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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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 9; 1264.8; 01-MAY-2010 02:56:19; Dark ; 68.0; 16; 21Alp Sco ; 1.02; 3000;occ; 136; 0;42700  
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 12; 1728.1; 01-MAY-2010 03:04:03; Bright; 50.5; 104; 27Bet Lib ; 2.61; 13100;occ; 101; 0;42700  
 13; 2233.6; 01-MAY-2010 03:12:28; Bright; 38.0; 111; 8Eta Boo ; 2.68; 6000;occ; 76; 0;42700  
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 8; -478.4; 01-MAY-2010 04:07:52; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;42700  
 9; -239.1; 01-MAY-2010 04:11:52; Dark ; 42.5; 172; Gam Gru ; 3.00; 13100;occ; 85; 0;42700  
 10; 635.9; 01-MAY-2010 04:26:27; Dark ; 42.5; 141; Bet Ara ; 2.84; 4600;occ; 85; 0;42701  
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 12; 852.4; 01-MAY-2010 04:30:03; Dark ; 55.5; 25; 35Lam Sco ; 1.62; 28000;occ; 111; 0;42701  
 13; 1039.9; 01-MAY-2010 04:33:11; Dark ; 59.0; 75; 26Eps Sco ; 2.29; 4250;occ; 118; 0;42701  
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4; 1403.0; 01-MAY-2010 19:44:37; Dark ; 57.5; 80; 7Del Sco ; 2.32; 30000;occ; 115; 0;42710
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6; 1727.9; 01-MAY-2010 19:50:02; Bright; 48.0; 104; 27Bet Lib ; 2.61; 13100;occ; 96; 0;42710
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8; 2450.9; 01-MAY-2010 20:02:05; Bright; 46.5; 83; ; 2.38; 11000;occ; 93; 0;42710
9; 2632.0; 01-MAY-2010 20:05:06; Bright; 40.5; 180; 27Gam Boo ; 3.04; 8000;occ; 81; 0;42710
10; 2768.3; 01-MAY-2010 20:07:23; Bright; 36.0; 39; 85Eta UMa ; 1.85; 24000;occ; 72; 0;42710
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12; 3825.4; 01-MAY-2010 20:25:00; Bright; 40.5; 89; 5Alp Cep ; 2.45; 8000;occ; 81; 0;42710
13; 4509.7; 01-MAY-2010 20:36:24; Dark ; 49.5; 164; 44Eta Peg ; 2.95; 5400;occ; 99; 0;42710
14; 4776.8; 01-MAY-2010 20:40:51; Dark ; 46.0; 90; 54Alp Peg ; 2.49; 11000;occ; 92; 0;42710
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16; 2631.5; 01-MAY-2010 21:45:42; Bright; 39.5; 180; 27Gam Boo ; 3.04; 8000;occ; 79; 0;42711
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8; 1403.6; 01-MAY-2010 23:05:50; Dark ; 60.5; 80; 7Del Sco ; 2.32; 30000;occ; 121; 0;42712
9; 1591.3; 01-MAY-2010 23:08:57; Bright; 45.5; 122; 9Alp2Lib ; 2.75; 9700;occ; 91; 0;42712
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2; 2447.2; 02-MAY-2010 09:26:49; Bright; 54.5; 83; ; 2.38; 11000;occ; 109; 0;42718
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7; 4779.6; 02-MAY-2010 10:05:41; Dark ; 44.5; 90; 54Alp Peg ; 2.49; 11000;occ; 89; 0;42718
8; 5047.0; 02-MAY-2010 10:10:09; Dark ; 66.0; 61; 8Eps Peg ; 2.10; 3900;occ; 132; 0;42718
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13; 6683.1; 02-MAY-2010 10:37:25; Dark ; 44.0; 141; Bet Ara ; 2.84; 4600;occ; 88; 0;42719
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14; 6684.0; 02-MAY-2010 12:18:02; Dark ; 52.5; 141; Bet Ara ; 2.84; 4600;occ; 105; 0;42720
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 17; 4512.6; 03-MAY-2010 01:06:38; Dark ; 48.5; 164; 44Eta Peg ; 2.95; 5400;occ; 97; 0;42727  
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 4; 2617.0; 04-MAY-2010 08:26:25; Bright; 38.5; 180; 27Gam Boo ; 3.04; 8000;occ; 77; 0;42746  
 5; 3182.7; 04-MAY-2010 08:35:51; Bright; 45.5; 119; 14Eta Dra ; 2.73; 4700;occ; 91; 0;42746  
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 17; 7457.3; 06-MAY-2010 08:43:51; Dark ; 59.0; 80; 7Del Sco ; 2.32; 30000;occ; 118; 0;42775  
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 4; 2422.0; 06-MAY-2010 09:00:32; Bright; 43.0; 83; ; 2.38; 11000;occ; 86; 0;42775  
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 7; 3165.3; 06-MAY-2010 10:53:31; Bright; 43.5; 119; 14Eta Dra ; 2.73; 4700;occ; 87; 0;42776  
 8; 3803.7; 06-MAY-2010 11:04:09; Bright; 63.0; 89; 5Alp Cep ; 2.45; 8000;occ; 126; 0;42776  
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 13; 5856.9; 06-MAY-2010 11:38:23; Dark ; 43.0; 172; Gam Gru ; 3.00; 13100;occ; 86; 0;42776  
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 4; 928.7; 06-MAY-2010 16:58:38; Dark ; 34.0; 115; 34Ups Sco ; 2.70; 26000;occ; 68; 0;42780
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 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  
 21; 6965.5; 06-MAY-2010 18:39:15; Dark ; 33.5; 115; 34Ups Sco ; 2.70; 26000;occ; 67; 0;42781

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 6; 2419.8; 06-MAY-2010 19:04:05; Bright; 42.0; 83; ; 2.38; 11000;occ; 84; 0;42781  
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 8; 2755.4; 06-MAY-2010 19:09:41; Bright; 36.5; 39; 85Eta UMa ; 1.85; 24000;occ; 73; 0;42781  
 9; 2842.2; 06-MAY-2010 19:11:08; Bright; 36.0; 55; 79Zet UMa ; 2.06; 10200;occ; 72; 0;42781  
 10; 3203.3; 06-MAY-2010 19:17:09; Bright; 39.0; 60; 7Bet UMi ; 2.08; 3950;occ; 78; 0;42781  
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 13; 4551.2; 06-MAY-2010 19:39:37; Dark ; 56.5; 93; 53Bet Peg ; 2.52; 3100;occ; 113; 0;42781  
 14; 4801.6; 06-MAY-2010 19:43:47; Dark ; 48.0; 90; 54Alp Peg ; 2.49; 11000;occ; 96; 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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 6; 817.7; 07-MAY-2010 01:19:47; Dark ; 47.5; 40; The Sco ; 1.86; 7100;occ; 95; 0;42785  
 7; 932.7; 07-MAY-2010 01:21:42; Dark ; 39.0; 115; 34Ups Sco ; 2.70; 26000;occ; 78; 0;42785  
 8; 1095.1; 07-MAY-2010 01:24:24; Dark ; 57.0; 75; 26Eps Sco ; 2.29; 4250;occ; 114; 0;42785  
 9; 1334.3; 07-MAY-2010 01:28:23; Dark ; 25.0; 156; 20Sig Sco ; 2.90; 28000;occ; 50; 0;42785  
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 11; 1599.7; 07-MAY-2010 01:32:49; Bright; 45.0; 122; 9Alp2Lib ; 2.75; 9700;occ; 90; 0;42785  
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 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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 18; 3160.0; 07-MAY-2010 01:58:49; Bright; 44.0; 119; 14Eta Dra ; 2.73; 4700;occ; 88; 0;42785  
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 21; 4552.4; 07-MAY-2010 02:22:01; Dark ; 56.5; 93; 53Bet Peg ; 2.52; 3100;occ; 113; 0;42785  
 22; 4803.0; 07-MAY-2010 02:26:12; Dark ; 50.5; 90; 54Alp Peg ; 2.49; 11000;occ; 101; 0;42785  
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26; 6272.6; 07-MAY-2010 02:50:42; Dark ; 40.5; 45; Alp Pav ; 1.94; 26000;occ; 81; 0;42786
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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29; 6969.4; 07-MAY-2010 03:02:18; Dark ; 41.0; 115; 34Ups Sco ; 2.70; 26000;occ; 82; 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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33; 7635.9; 07-MAY-2010 03:13:25; Bright; 42.5; 122; 9Alp2Lib ; 2.75; 9700;occ; 85; 0;42786
34; 7760.8; 07-MAY-2010 03:15:30; Bright; 43.5; 104; 27Bet Lib ; 2.61; 13100;occ; 87; 0;42786
35; 8259.2; 07-MAY-2010 03:23:48; Bright; 37.0; 111; 8Eta Boo ; 2.68; 6000;occ; 74; 0;42786
36; 8453.8; 07-MAY-2010 03:27:03; Bright; 45.0; 83; ; 2.38; 11000;occ; 90; 0;42786
37; 8638.5; 07-MAY-2010 03:30:08; Bright; 58.0; 180; 27Gam Boo ; 3.04; 8000;occ; 116; 0;42786
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5; 4552.4; 07-MAY-2010 04:02:37; Dark ; 50.5; 93; 53Bet Peg ; 2.52; 3100;occ; 101; 0;42786
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11; 6724.2; 07-MAY-2010 04:38:49; Dark ; 41.5; 141; Bet Ara ; 2.84; 4600;occ; 83; 0;42787
12; 6855.2; 07-MAY-2010 04:41:00; Dark ; 57.0; 40; The Sco ; 1.86; 7100;occ; 114; 0;42787
13; 6970.0; 07-MAY-2010 04:42:55; Dark ; 41.0; 115; 34Ups Sco ; 2.70; 26000;occ; 82; 0;42787
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16; 7460.5; 07-MAY-2010 04:51:05; Dark ; 57.0; 80; 7Del Sco ; 2.32; 30000;occ; 114; 0;42787
17; 7636.1; 07-MAY-2010 04:54:01; Bright; 42.0; 122; 9Alp2Lib ; 2.75; 9700;occ; 84; 0;42787
18; 7761.0; 07-MAY-2010 04:56:06; Bright; 44.0; 104; 27Bet Lib ; 2.61; 13100;occ; 88; 0;42787
19; 8259.1; 07-MAY-2010 05:04:24; Bright; 36.5; 111; 8Eta Boo ; 2.68; 6000;occ; 73; 0;42787
20; 8453.6; 07-MAY-2010 05:07:39; Bright; 44.5; 83; ; 2.38; 11000;occ; 89; 0;42787
21; 8638.2; 07-MAY-2010 05:10:43; Bright; 40.5; 180; 27Gam Boo ; 3.04; 8000;occ; 81; 0;42787
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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3;-1483.7; 07-MAY-2010 05:43:13; Dark ; 52.0; 93; 53Bet Peg ; 2.52; 3100;occ; 104; 0;42787
4;-1231.9; 07-MAY-2010 05:47:25; Dark ; 47.0; 90; 54Alp Peg ; 2.49; 11000;occ; 94; 0;42787
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8; 238.4; 07-MAY-2010 06:11:55; Dark ; 41.0; 45; Alp Pav ; 1.94; 26000;occ; 82; 0;42788
9; 688.7; 07-MAY-2010 06:19:26; Dark ; 54.0; 141; Bet Ara ; 2.84; 4600;occ; 108; 0;42788
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11; 935.0; 07-MAY-2010 06:23:32; Dark ; 43.0; 115; 34Ups Sco ; 2.70; 26000;occ; 86; 0;42788
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13; 1335.2; 07-MAY-2010 06:30:12; Dark ; 34.0; 156; 20Sig Sco ; 2.90; 28000;occ; 68; 0;42788
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3; 1338.4; 07-MAY-2010 19:55:03; Dark ; 53.0; 156; 20Sig Sco ; 2.90; 28000;occ; 106; 0;42796
4; 1426.3; 07-MAY-2010 19:56:31; Dark ; 57.0; 80; 7Del Sco ; 2.32; 30000;occ; 114; 0;42796

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11; 3153.8; 07-MAY-2010 20:25:18; Bright; 59.0; 119; 14Eta Dra ; 2.73; 4700;occ; 118; 0;42796  
12; 3796.5; 07-MAY-2010 20:36:01; Bright; 63.0; 89; 5Alp Cep ; 2.45; 8000;occ; 126; 0;42796  
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6; 693.7; 07-MAY-2010 21:24:54; Dark ; 50.0; 141; Bet Ara ; 2.84; 4600;occ; 100; 0;42797  
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 19; 6279.9; 07-MAY-2010 19:36:48; Dark ; 45.0; 45; Alp Pav ; 1.94; 26000;occ; 90; 0;42796  
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9; 696.3; 08-MAY-2010 04:07:20; Dark ; 44.5; 141; Bet Ara ; 2.84; 4600;occ; 89; 0;42801
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21;	7159.3;	10-MAY-2010	11:34:13;	Dark	;	52.0;	75;	26Eps Sco	;	2.29;	4250;occ;	104;	0;	42834
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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  
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 22; 6761.2; 11-MAY-2010 19:18:58; Dark ; 48.5; 141; Bet Ara ; 2.84; 4600;occ; 97; 0;42853  
 23; 6904.9; 11-MAY-2010 19:21:21; Dark ; 55.5; 40; The Sco ; 1.86; 7100;occ; 111; 0;42853

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 16; 2582.4; 11-MAY-2010 23:11:07; Bright; 38.5; 180; 27Gam Boo ; 3.04; 8000;occ; 77; 0;42855  
 17; 2747.4; 11-MAY-2010 23:13:52; Bright; 34.5; 39; 85Eta UMa ; 1.85; 24000;occ; 69; 0;42855  
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 23; 4832.1; 11-MAY-2010 23:48:36; Dark ; 50.5; 90; 54Alp Peg ; 2.49; 11000;occ; 101; 0;42855

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 7; 1725.4; 11-MAY-2010 19:35:38; Bright; 42.0; 104; 27Bet Lib ; 2.61; 13100;occ; 84; 0;42853  
 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  
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 12; 3122.9; 11-MAY-2010 19:58:55; Bright; 43.0; 119; 14Eta Dra ; 2.73; 4700;occ; 86; 0;42853  
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22; 6319.6; 11-MAY-2010 20:52:12; Dark ; 40.5; 45; Alp Pav ; 1.94; 26000;occ; 81; 0;42854
23; 6761.6; 11-MAY-2010 20:59:34; Dark ; 54.0; 141; Bet Ara ; 2.84; 4600;occ; 108; 0;42854
24; 6905.5; 11-MAY-2010 21:01:58; Dark ; 49.0; 40; The Sco ; 1.86; 7100;occ; 98; 0;42854
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 6; 726.8; 12-MAY-2010 00:20:47; Dark ; 41.0; 141; Bet Ara ; 2.84; 4600;occ; 82; 0;42856
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 8; 982.7; 12-MAY-2010 00:25:03; Dark ; 60.0; 25; 35Lam Sco ; 1.62; 28000;occ; 120; 0;42856
 9; 1135.3; 12-MAY-2010 00:27:35; Dark ; 54.5; 75; 26Eps Sco ; 2.29; 4250;occ; 109; 0;42856
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11; 1441.0; 12-MAY-2010 00:32:41; Dark ; 59.0; 80; 7Del Sco ; 2.32; 30000;occ; 118; 0;42856
12; 1608.2; 12-MAY-2010 00:35:28; Bright; 40.0; 122; 9Alp2Lib ; 2.75; 9700;occ; 80; 0;42856
13; 1725.4; 12-MAY-2010 00:37:26; Bright; 42.0; 104; 27Bet Lib ; 2.61; 13100;occ; 84; 0;42856
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16; 2582.5; 12-MAY-2010 00:51:43; Bright; 38.0; 180; 27Gam Boo ; 3.04; 8000;occ; 76; 0;42856
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18; 3121.5; 12-MAY-2010 01:00:42; Bright; 43.5; 119; 14Eta Dra ; 2.73; 4700;occ; 87; 0;42856
19; 3773.6; 12-MAY-2010 01:11:34; Bright; 45.0; 89; 5Alp Cep ; 2.45; 8000;occ; 90; 0;42856
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22; 4746.9; 12-MAY-2010 01:27:47; Dark ; 40.5; 140; 88Gam Peg ; 2.83; 26000;occ; 81; 0;42856
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 3; -131.4; 12-MAY-2010 01:47:05; Dark ; 47.0; 63; Bet Gru ; 2.15; 2800;occ; 94; 0;42856
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 5; 285.6; 12-MAY-2010 01:54:02; Dark ; 45.5; 45; Alp Pav ; 1.94; 26000;occ; 91; 0;42857
 6; 727.3; 12-MAY-2010 02:01:23; Dark ; 49.0; 141; Bet Ara ; 2.84; 4600;occ; 98; 0;42857
 7; 871.9; 12-MAY-2010 02:03:48; Dark ; 48.5; 40; The Sco ; 1.86; 7100;occ; 97; 0;42857
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10; 286.0; 12-MAY-2010 03:34:38; Dark ; 41.5; 45; Alp Pav ; 1.94; 26000;occ; 83; 0;42858
11; 727.8; 12-MAY-2010 03:42:00; Dark ; 42.0; 141; Bet Ara ; 2.84; 4600;occ; 84; 0;42858
12; 872.5; 12-MAY-2010 03:44:24; Dark ; 52.5; 40; The Sco ; 1.86; 7100;occ; 105; 0;42858
13; 984.5; 12-MAY-2010 03:46:16; Dark ; 56.5; 25; 35Lam Sco ; 1.62; 28000;occ; 113; 0;42858
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16; 1441.4; 12-MAY-2010 03:53:53; Dark ; 59.0; 80; 7Del Sco ; 2.32; 30000;occ; 118; 0;42858
17; 1608.4; 12-MAY-2010 03:56:40; Bright; 38.0; 122; 9Alp2Lib ; 2.75; 9700;occ; 76; 0;42858
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16; 1441.8; 12-MAY-2010 05:34:30; Dark ; 58.0; 80; 7Del Sco ; 2.32; 30000;occ; 116; 0;42859
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12; 3769.8; 12-MAY-2010 17:57:29; Bright; 42.5; 89; 5Alp Cep ; 2.45; 8000;occ; 85; 0;42866

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

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 4; 1443.4; 12-MAY-2010 18:59:19; Dark ; 59.5; 80; 7Del Sco ; 2.32; 30000;occ; 119; 0;42867  
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 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  
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 11; 2746.6; 12-MAY-2010 19:21:02; Bright; 38.5; 39; 85Eta UMa ; 1.85; 24000;occ; 77; 0;42867  
 12; 3115.9; 12-MAY-2010 19:27:11; Bright; 62.0; 119; 14Eta Dra ; 2.73; 4700;occ; 124; 0;42867  
 13; 3769.4; 12-MAY-2010 19:38:05; Bright; 44.0; 89; 5Alp Cep ; 2.45; 8000;occ; 88; 0;42867  
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 16; 4750.1; 12-MAY-2010 19:54:26; Dark ; 42.5; 140; 88Gam Peg ; 2.83; 26000;occ; 85; 0;42867  
 17; 4837.9; 12-MAY-2010 19:55:53; Dark ; 52.0; 90; 54Alp Peg ; 2.49; 11000;occ; 104; 0;42867  
 18; 5642.7; 12-MAY-2010 20:09:18; Dark ; 51.0; 18; 24Alp PsA ; 1.17; 9700;occ; 102; 0;42867  
 19; 5787.2; 12-MAY-2010 20:11:43; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;42867  
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 21; 5993.8; 12-MAY-2010 20:15:09; Dark ; 40.5; 31; Alp Gru ; 1.73; 15200;occ; 81; 0;42867  
 22; 6329.2; 12-MAY-2010 20:20:45; Dark ; 41.0; 45; Alp Pav ; 1.94; 26000;occ; 82; 0;42868  
 23; 6769.2; 12-MAY-2010 20:28:05; Dark ; 49.0; 141; Bet Ara ; 2.84; 4600;occ; 98; 0;42868  
 24; 6915.6; 12-MAY-2010 20:30:31; Dark ; 54.0; 40; The Sco ; 1.86; 7100;occ; 108; 0;42868  
 25; 7027.3; 12-MAY-2010 20:32:23; Dark ; 53.0; 25; 35Lam Sco ; 1.62; 28000;occ; 106; 0;42868

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 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  
 9; 2392.6; 12-MAY-2010 20:55:44; Bright; 39.5; 83; ; 2.38; 11000;occ; 79; 0;42868  
 10; 2579.8; 12-MAY-2010 20:58:51; Bright; 38.5; 180; 27Gam Boo ; 3.04; 8000;occ; 77; 0;42868  
 11; 2746.7; 12-MAY-2010 21:01:38; Bright; 37.5; 39; 85Eta UMa ; 1.85; 24000;occ; 75; 0;42868  
 12; 3115.4; 12-MAY-2010 21:07:47; Bright; 43.0; 119; 14Eta Dra ; 2.73; 4700;occ; 86; 0;42868  
 13; 3769.1; 12-MAY-2010 21:18:41; Bright; 44.0; 89; 5Alp Cep ; 2.45; 8000;occ; 88; 0;42868  
 14; 3963.7; 12-MAY-2010 21:21:55; Bright; 54.0; 74; 11Bet Cas ; 2.27; 6600;occ; 108; 0;42868  
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 16; 4750.4; 12-MAY-2010 21:35:02; Dark ; 40.0; 140; 88Gam Peg ; 2.83; 26000;occ; 80; 0;42868  
 17; 4838.1; 12-MAY-2010 21:36:30; Dark ; 51.5; 90; 54Alp Peg ; 2.49; 11000;occ; 103; 0;42868

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 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  
 7; 880.2; 12-MAY-2010 22:11:08; Dark ; 48.5; 40; The Sco ; 1.86; 7100;occ; 97; 0;42869  
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 12; 1609.8; 12-MAY-2010 22:23:17; Bright; 39.0; 122; 9Alp2Lib ; 2.75; 9700;occ; 78; 0;42869

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15; 2236.3; 12-MAY-2010 22:33:44; Bright; 37.0; 3; 16Alp Boo ;-0.05; 4250;occ; 74; 0;42869
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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
20; 3768.7; 12-MAY-2010 22:59:16; Bright; 46.0; 89; 5Alp Cep ; 2.45; 8000;occ; 92; 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
23; 4750.6; 12-MAY-2010 23:15:38; Dark ; 42.0; 140; 88Gam Peg ; 2.83; 26000;occ; 84; 0;42869
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3; -124.0; 12-MAY-2010 23:34:59; Dark ; 46.5; 63; Bet Gru ; 2.15; 2800;occ; 93; 0;42869
4; -40.5; 12-MAY-2010 23:36:23; Dark ; 41.5; 31; Alp Gru ; 1.73; 15200;occ; 83; 0;42869
5; 294.9; 12-MAY-2010 23:41:58; Dark ; 41.0; 45; Alp Pav ; 1.94; 26000;occ; 82; 0;42870
6; 734.5; 12-MAY-2010 23:49:18; Dark ; 40.0; 141; Bet Ara ; 2.84; 4600;occ; 80; 0;42870
7; 881.3; 12-MAY-2010 23:51:44; Dark ; 53.0; 40; The Sco ; 1.86; 7100;occ; 106; 0;42870
8; 992.9; 12-MAY-2010 23:53:36; Dark ; 57.5; 25; 35Lam Sco ; 1.62; 28000;occ; 115; 0;42870
9; 1142.2; 12-MAY-2010 23:56:05; Dark ; 53.0; 75; 26Eps Sco ; 2.29; 4250;occ; 106; 0;42870
10; 1335.2; 12-MAY-2010 23:59:18; Dark ; 63.0; 16; 21Alp Sco ; 1.02; 3000;occ; 126; 0;42870
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
16; 2392.3; 13-MAY-2010 00:16:55; Bright; 39.5; 83; ; 2.38; 11000;occ; 79; 0;42870
17; 2579.7; 13-MAY-2010 00:20:03; Bright; 39.0; 180; 27Gam Boo ; 3.04; 8000;occ; 78; 0;42870
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19; 3114.2; 13-MAY-2010 00:28:57; Bright; 44.0; 119; 14Eta Dra ; 2.73; 4700;occ; 88; 0;42870
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21; 3963.9; 13-MAY-2010 00:43:07; Bright; 54.0; 74; 11Bet Cas ; 2.27; 6600;occ; 108; 0;42870
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23; 4750.7; 13-MAY-2010 00:56:14; Dark ; 41.5; 140; 88Gam Peg ; 2.83; 26000;occ; 83; 0;42870
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3; -39.8; 13-MAY-2010 01:16:59; Dark ; 45.0; 31; Alp Gru ; 1.73; 15200;occ; 90; 0;42870
4; 295.2; 13-MAY-2010 01:22:34; Dark ; 41.5; 45; Alp Pav ; 1.94; 26000;occ; 83; 0;42871
5; 734.8; 13-MAY-2010 01:29:54; Dark ; 51.5; 141; Bet Ara ; 2.84; 4600;occ; 103; 0;42871
6; 881.8; 13-MAY-2010 01:32:21; Dark ; 52.5; 40; The Sco ; 1.86; 7100;occ; 105; 0;42871
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8; 1142.9; 13-MAY-2010 01:36:42; Dark ; 54.0; 75; 26Eps Sco ; 2.29; 4250;occ; 108; 0;42871
9; 1335.8; 13-MAY-2010 01:39:55; Dark ; 58.5; 16; 21Alp Sco ; 1.02; 3000;occ; 117; 0;42871
10; 1444.3; 13-MAY-2010 01:41:43; Dark ; 62.0; 80; 7Del Sco ; 2.32; 30000;occ; 124; 0;42871
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12; 1725.4; 13-MAY-2010 01:46:24; Bright; 42.0; 104; 27Bet Lib ; 2.61; 13100;occ; 84; 0;42871
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19; 3767.9; 13-MAY-2010 02:20:27; Bright; 46.0; 89; 5Alp Cep ; 2.45; 8000;occ; 92; 0;42871
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22; 4751.2; 13-MAY-2010 02:36:50; Dark ; 42.5; 140; 88Gam Peg ; 2.83; 26000;occ; 85; 0;42871
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24; 5645.7; 13-MAY-2010 02:51:45; Dark ; 47.0; 18; 24Alp PsA ; 1.17; 9700;occ; 94; 0;42871
25; 5790.5; 13-MAY-2010 02:54:10; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;42871
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28; 6332.0; 13-MAY-2010 03:03:11; Dark ; 42.0; 45; Alp Pav ; 1.94; 26000;occ; 84; 0;42872
29; 6771.6; 13-MAY-2010 03:10:31; Dark ; 46.5; 141; Bet Ara ; 2.84; 4600;occ; 93; 0;42872
30; 6918.1; 13-MAY-2010 03:12:57; Dark ; 53.0; 40; The Sco ; 1.86; 7100;occ; 106; 0;42872

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 34; 7480.6; 13-MAY-2010 03:22:20; Dark ; 61.5; 80; 7Del Sco ; 2.32; 30000;occ; 123; 0;42872  
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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
10; 902.7; 15-MAY-2010 05:31:16; Dark ; 49.5; 40; The Sco ; 1.86; 7100;occ; 99; 0;42902
11; 1014.7; 15-MAY-2010 05:33:08; Dark ; 54.0; 25; 35Lam Sco ; 1.62; 28000;occ; 108; 0;42902
12; 1158.0; 15-MAY-2010 05:35:31; Dark ; 51.0; 75; 26Eps Sco ; 2.29; 4250;occ; 102; 0;42902
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15; 1726.9; 15-MAY-2010 05:45:00; Bright; 40.0; 104; 27Bet Lib ; 2.61; 13100;occ; 80; 0;42902
16; 1859.9; 15-MAY-2010 05:47:13; Bright; 50.5; 120; 1Del Oph ; 2.73; 3200;occ; 101; 0;42902
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18; 2384.9; 15-MAY-2010 05:55:58; Bright; 42.5; 83; ; 2.38; 11000;occ; 85; 0;42902
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8; 3095.7; 15-MAY-2010 16:11:24; Bright; 43.5; 119; 14Eta Dra ; 2.73; 4700;occ; 87; 0;42908
9; 3752.0; 15-MAY-2010 16:22:20; Bright; 65.0; 89; 5Alp Cep ; 2.45; 8000;occ; 130; 0;42908
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13; 4858.1; 15-MAY-2010 16:40:46; Dark ; 54.0; 90; 54Alp Peg ; 2.49; 11000;occ; 108; 0;42908
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18; 6790.8; 15-MAY-2010 17:12:59; Dark ; 48.5; 141; Bet Ara ; 2.84; 4600;occ; 97; 0;42909
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6; 2049.0; 15-MAY-2010 17:34:33; Bright; 44.0; 102; 24Alp Ser ; 2.60; 4250;occ; 88; 0;42909
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9; 3095.2; 15-MAY-2010 17:52:00; Bright; 39.5; 119; 14Eta Dra ; 2.73; 4700;occ; 79; 0;42909
10; 3751.6; 15-MAY-2010 18:02:56; Bright; 44.5; 89; 5Alp Cep ; 2.45; 8000;occ; 89; 0;42909
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12; 4577.6; 15-MAY-2010 18:16:42; Dark ; 61.0; 93; 53Bet Peg ; 2.52; 3100;occ; 122; 0;42909
13; 4762.0; 15-MAY-2010 18:19:46; Dark ; 42.0; 140; 88Gam Peg ; 2.83; 26000;occ; 84; 0;42909
14; 4858.5; 15-MAY-2010 18:21:23; Dark ; 54.0; 90; 54Alp Peg ; 2.49; 11000;occ; 108; 0;42909
15; 5674.7; 15-MAY-2010 18:34:59; Dark ; 45.5; 18; 24Alp PsA ; 1.17; 9700;occ; 91; 0;42909
16; 5823.0; 15-MAY-2010 18:37:27; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;42909
17; 6024.7; 15-MAY-2010 18:40:49; Dark ; 42.5; 31; Alp Gru ; 1.73; 15200;occ; 85; 0;42909
18; 6358.8; 15-MAY-2010 18:46:23; Dark ; 41.5; 45; Alp Pav ; 1.94; 26000;occ; 83; 0;42910
19; 6791.4; 15-MAY-2010 18:53:36; Dark ; 44.0; 141; Bet Ara ; 2.84; 4600;occ; 88; 0;42910
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3; 1161.8; 15-MAY-2010 19:00:22; Dark ; 52.0; 75; 26Eps Sco ; 2.29; 4250;occ; 104; 0;42910
4; 1348.6; 15-MAY-2010 19:03:29; Dark ; 61.0; 16; 21Alp Sco ; 1.02; 3000;occ; 122; 0;42910
5; 1506.1; 15-MAY-2010 19:06:07; Bright; 45.5; 97; 8Bet1Sco ; 2.56; 30000;occ; 91; 0;42910

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7; 1857.9; 15-MAY-2010 19:11:58; Bright; 50.0; 120; 1Del Oph ; 2.73; 3200;occ; 100; 0;42910  
8; 2048.6; 15-MAY-2010 19:15:09; Bright; 44.5; 102; 24Alp Ser ; 2.60; 4250;occ; 89; 0;42910  
9; 2383.4; 15-MAY-2010 19:20:44; Bright; 39.0; 83; ; 2.38; 11000;occ; 78; 0;42910  
10; 2571.7; 15-MAY-2010 19:23:52; Bright; 38.5; 180; 27Gam Boo ; 3.04; 8000;occ; 77; 0;42910  
11; 3094.9; 15-MAY-2010 19:32:35; Bright; 42.5; 119; 14Eta Dra ; 2.73; 4700;occ; 85; 0;42910  
12; 3751.2; 15-MAY-2010 19:43:32; Bright; 42.5; 89; 5Alp Cep ; 2.45; 8000;occ; 85; 0;42910  
13; 3961.8; 15-MAY-2010 19:47:02; Bright; 55.0; 74; 11Bet Cas ; 2.27; 6600;occ; 110; 0;42910  
14; 4513.2; 15-MAY-2010 19:56:14; Dark ; 46.5; 58; 21Alp And ; 2.07; 11000;occ; 93; 0;42910  
15; 4762.3; 15-MAY-2010 20:00:23; Dark ; 43.0; 140; 88Gam Peg ; 2.83; 26000;occ; 86; 0;42910  
16; 4859.0; 15-MAY-2010 20:01:59; Dark ; 54.5; 90; 54Alp Peg ; 2.49; 11000;occ; 109; 0;42910  
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18; 5823.8; 15-MAY-2010 20:18:04; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;42910  
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20; 6359.1; 15-MAY-2010 20:27:00; Dark ; 44.5; 45; Alp Pav ; 1.94; 26000;occ; 89; 0;42911  
21; 6791.7; 15-MAY-2010 20:34:12; Dark ; 45.5; 141; Bet Ara ; 2.84; 4600;occ; 91; 0;42911  
22; 6965.5; 15-MAY-2010 20:37:06; Dark ; 29.0; 38; 20Eps Sgr ; 1.84; 11000;occ; 58; 0;42911  
23; 7056.7; 15-MAY-2010 20:38:37; Dark ; 17.0; 25; 35Lam Sco ; 1.62; 28000;occ; 34; 0;42911

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3; 1162.2; 15-MAY-2010 20:40:59; Dark ; 52.0; 75; 26Eps Sco ; 2.29; 4250;occ; 104; 0;42911  
4; 1349.0; 15-MAY-2010 20:44:05; Dark ; 56.5; 16; 21Alp Sco ; 1.02; 3000;occ; 113; 0;42911  
5; 1506.3; 15-MAY-2010 20:46:43; Bright; 45.5; 97; 8Bet1Sco ; 2.56; 30000;occ; 91; 0;42911  
6; 1726.9; 15-MAY-2010 20:50:23; Bright; 41.0; 104; 27Bet Lib ; 2.61; 13100;occ; 82; 0;42911  
7; 1857.7; 15-MAY-2010 20:52:34; Bright; 50.5; 120; 1Del Oph ; 2.73; 3200;occ; 101; 0;42911  
8; 2048.5; 15-MAY-2010 20:55:45; Bright; 44.0; 102; 24Alp Ser ; 2.60; 4250;occ; 88; 0;42911  
9; 2383.4; 15-MAY-2010 21:01:20; Bright; 40.0; 83; ; 2.38; 11000;occ; 80; 0;42911  
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11; 3094.2; 15-MAY-2010 21:13:11; Bright; 42.0; 119; 14Eta Dra ; 2.73; 4700;occ; 84; 0;42911  
12; 3750.7; 15-MAY-2010 21:24:07; Bright; 44.0; 89; 5Alp Cep ; 2.45; 8000;occ; 88; 0;42911  
13; 3961.6; 15-MAY-2010 21:27:38; Bright; 37.5; 74; 11Bet Cas ; 2.27; 6600;occ; 75; 0;42911  
14; 4513.5; 15-MAY-2010 21:36:50; Dark ; 44.0; 58; 21Alp And ; 2.07; 11000;occ; 88; 0;42911  
15; 4762.1; 15-MAY-2010 21:40:59; Dark ; 44.5; 140; 88Gam Peg ; 2.83; 26000;occ; 89; 0;42911  
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5; 756.4; 15-MAY-2010 22:14:49; Dark ; 51.0; 141; Bet Ara ; 2.84; 4600;occ; 102; 0;42912  
6; 930.6; 15-MAY-2010 22:17:43; Dark ; 30.0; 38; 20Eps Sgr ; 1.84; 11000;occ; 60; 0;42912  
7; 1021.3; 15-MAY-2010 22:19:14; Dark ; 58.0; 25; 35Lam Sco ; 1.62; 28000;occ; 116; 0;42912  
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9; 1348.9; 15-MAY-2010 22:24:41; Dark ; 60.0; 16; 21Alp Sco ; 1.02; 3000;occ; 120; 0;42912  
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12; 1857.4; 15-MAY-2010 22:33:10; Bright; 50.5; 120; 1Del Oph ; 2.73; 3200;occ; 101; 0;42912  
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14; 2382.9; 15-MAY-2010 22:41:55; Bright; 40.0; 83; ; 2.38; 11000;occ; 80; 0;42912  
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16; 3093.7; 15-MAY-2010 22:53:46; Bright; 61.0; 119; 14Eta Dra ; 2.73; 4700;occ; 122; 0;42912  
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4; 324.4; 15-MAY-2010 23:48:13; Dark ; 51.0; 45; Alp Pav ; 1.94; 26000;occ; 102; 0;42913  
5; 756.8; 15-MAY-2010 23:55:25; Dark ; 43.5; 141; Bet Ara ; 2.84; 4600;occ; 87; 0;42913  
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8; 1163.1; 16-MAY-2010 00:02:11; Dark ; 52.5; 75; 26Eps Sco ; 2.29; 4250;occ; 105; 0;42913  
9; 1349.3; 16-MAY-2010 00:05:17; Dark ; 63.0; 16; 21Alp Sco ; 1.02; 3000;occ; 126; 0;42913  
10; 1506.5; 16-MAY-2010 00:07:55; Bright; 43.5; 97; 8Bet1Sco ; 2.56; 30000;occ; 87; 0;42913

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 13; 2047.9; 16-MAY-2010 00:16:56; Bright; 44.5; 102; 24Alp Ser ; 2.60; 4250;occ; 89; 0;42913  
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 16; 3092.9; 16-MAY-2010 00:34:21; Bright; 43.0; 119; 14Eta Dra ; 2.73; 4700;occ; 86; 0;42913  
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13; 1851.8; 17-MAY-2010 23:10:26; Bright; 48.5; 120; 1Del Oph ; 2.73; 3200;occ; 97; 0;42941
14; 2040.7; 17-MAY-2010 23:13:35; Bright; 42.5; 102; 24Alp Ser ; 2.60; 4250;occ; 85; 0;42941
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21; 4771.2; 17-MAY-2010 23:59:05; Dark ; 44.0; 140; 88Gam Peg ; 2.83; 26000;occ; 88; 0;42941
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 17; 6804.0; 17-MAY-2010 12:48:47; Dark ; 47.0; 141; Bet Ara ; 2.84; 4600;occ; 94; 0;42935  
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 19; 7072.0; 17-MAY-2010 12:53:15; Dark ; 52.0; 25; 35Lam Sco ; 1.62; 28000;occ; 104; 0;42935  
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 22; 7546.1; 17-MAY-2010 13:01:09; Bright; 44.0; 97; 8Bet1Sco ; 2.56; 30000;occ; 88; 0;42935

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 4; 2379.3; 17-MAY-2010 13:15:38; Bright; 42.0; 83; ; 2.38; 11000;occ; 84; 0;42935  
 5; 2568.0; 17-MAY-2010 13:18:46; Bright; 36.5; 180; 27Gam Boo ; 3.04; 8000;occ; 73; 0;42935  
 6; 3083.0; 17-MAY-2010 13:27:21; Bright; 40.0; 119; 14Eta Dra ; 2.73; 4700;occ; 80; 0;42935  
 7; 3740.0; 17-MAY-2010 13:38:18; Bright; 45.0; 89; 5Alp Cep ; 2.45; 8000;occ; 90; 0;42935  
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 17; 6804.3; 17-MAY-2010 14:29:23; Dark ; 48.5; 141; Bet Ara ; 2.84; 4600;occ; 97; 0;42936  
 18; 6988.8; 17-MAY-2010 14:32:27; Dark ; 55.0; 38; 20Eps Sgr ; 1.84; 11000;occ; 110; 0;42936  
 19; 7072.5; 17-MAY-2010 14:33:51; Dark ; 52.5; 25; 35Lam Sco ; 1.62; 28000;occ; 105; 0;42936  
 20; 7209.4; 17-MAY-2010 14:36:08; Dark ; 49.5; 75; 26Eps Sco ; 2.29; 4250;occ; 99; 0;42936  
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 4; 2041.8; 17-MAY-2010 14:50:36; Bright; 43.0; 102; 24Alp Ser ; 2.60; 4250;occ; 86; 0;42936  
 5; 2379.1; 17-MAY-2010 14:56:13; Bright; 37.5; 83; ; 2.38; 11000;occ; 75; 0;42936  
 6; 2567.7; 17-MAY-2010 14:59:22; Bright; 38.0; 180; 27Gam Boo ; 3.04; 8000;occ; 76; 0;42936  
 7; 3082.8; 17-MAY-2010 15:07:57; Bright; 37.0; 119; 14Eta Dra ; 2.73; 4700;occ; 74; 0;42936  
 8; 3739.3; 17-MAY-2010 15:18:54; Bright; 47.0; 89; 5Alp Cep ; 2.45; 8000;occ; 94; 0;42936  
 9; 3960.5; 17-MAY-2010 15:22:35; Bright; 55.0; 74; 11Bet Cas ; 2.27; 6600;occ; 110; 0;42936  
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 3; 1728.4; 17-MAY-2010 16:25:59; Bright; 39.0; 104; 27Bet Lib ; 2.61; 13100;occ; 78; 0;42937  
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 5; 2041.6; 17-MAY-2010 16:31:12; Bright; 43.5; 102; 24Alp Ser ; 2.60; 4250;occ; 87; 0;42937  
 6; 2378.8; 17-MAY-2010 16:36:49; Bright; 37.0; 83; ; 2.38; 11000;occ; 74; 0;42937  
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6; 774.6; 18-MAY-2010 02:13:40; Dark ; 46.0; 141; Bet Ara ; 2.84; 4600;occ; 92; 0;42943
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 4; 2372.4; 21-MAY-2010 11:09:03; Bright; 37.0; 83; ; 2.38; 11000;occ; 74; 0;42991  
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 4; 2372.5; 21-MAY-2010 12:49:39; Bright; 35.5; 83; ; 2.38; 11000;occ; 71; 0;42992  
 5; 2561.9; 21-MAY-2010 12:52:48; Bright; 36.0; 180; 27Gam Boo ; 3.04; 8000;occ; 72; 0;42992  
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 3; 1373.7; 21-MAY-2010 19:15:24; Dark ; 53.0; 16; 21Alp Sco ; 1.02; 3000;occ; 106; 0;42996
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 6; 2029.3; 21-MAY-2010 19:26:19; Bright; 40.5; 102; 24Alp Ser ; 2.60; 4250;occ; 81; 0;42996
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14; 4789.8; 21-MAY-2010 20:12:20; Dark ; 45.5; 140; 88Gam Peg ; 2.83; 26000;occ; 91; 0;42996
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17; 3055.8; 21-MAY-2010 23:04:38; Bright; 41.5; 119; 14Eta Dra ; 2.73; 4700;occ; 83; 0;42998

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22; 4790.4; 21-MAY-2010 23:33:32; Dark ; 45.0; 140; 88Gam Peg ; 2.83; 26000;occ; 90; 0;42998
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 9; 1199.8; 22-MAY-2010 00:14:18; Dark ; 48.5; 75; 26Eps Sco ; 2.29; 4250;occ; 97; 0;42999
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13; 1843.0; 22-MAY-2010 00:25:01; Bright; 45.0; 120; 1Del Oph ; 2.73; 3200;occ; 90; 0;42999
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 6; 799.0; 22-MAY-2010 01:48:13; Dark ; 42.0; 141; Bet Ara ; 2.84; 4600;occ; 84; 0;43000
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 8; 1074.1; 22-MAY-2010 01:52:48; Dark ; 49.5; 25; 35Lam Sco ; 1.62; 28000;occ; 99; 0;43000
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13; 1843.1; 22-MAY-2010 02:05:37; Bright; 46.0; 120; 1Del Oph ; 2.73; 3200;occ; 92; 0;43000
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 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  
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 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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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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 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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 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  
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 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  
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 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  
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 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  
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 11; 4792.9; 22-MAY-2010 11:17:46; Dark ; 43.5; 140; 88Gam Peg ; 2.83; 26000;occ; 87; 0;43005  
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 13; 5913.8; 22-MAY-2010 11:36:27; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;43005  
 14; 6002.5; 22-MAY-2010 11:37:56; Dark ; 45.5; 63; Bet Gru ; 2.15; 2800;occ; 91; 0;43005  
 15; 6086.7; 22-MAY-2010 11:39:20; Dark ; 48.5; 172; Gam Gru ; 3.00; 13100;occ; 97; 0;43006  
 16; 6426.4; 22-MAY-2010 11:45:00; Dark ; 41.5; 45; Alp Pav ; 1.94; 26000;occ; 83; 0;43006  
 17; 6837.5; 22-MAY-2010 11:51:51; Dark ; 43.5; 141; Bet Ara ; 2.84; 4600;occ; 87; 0;43006  
 18; 7002.4; 22-MAY-2010 11:54:36; Dark ; 50.5; 40; The Sco ; 1.86; 7100;occ; 101; 0;43006  
 19; 7113.4; 22-MAY-2010 11:56:27; Dark ; 55.0; 25; 35Lam Sco ; 1.62; 28000;occ; 110; 0;43006  
 20; 7238.2; 22-MAY-2010 11:58:32; Dark ; 49.0; 75; 26Eps Sco ; 2.29; 4250;occ; 98; 0;43006  
 21; 7412.0; 22-MAY-2010 12:01:25; Dark ; 55.0; 16; 21Alp Sco ; 1.02; 3000;occ; 110; 0;43006  
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 4; 2371.0; 22-MAY-2010 12:18:00; Bright; 40.5; 83; ; 2.38; 11000;occ; 81; 0;43006  
 5; 2560.8; 22-MAY-2010 12:21:10; Bright; 36.5; 180; 27Gam Boo ; 3.04; 8000;occ; 73; 0;43006  
 6; 3052.7; 22-MAY-2010 12:29:22; Bright; 41.0; 119; 14Eta Dra ; 2.73; 4700;occ; 82; 0;43006  
 7; 3173.5; 22-MAY-2010 12:31:23; Bright; 37.0; 60; 7Bet UMi ; 2.08; 3950;occ; 74; 0;43006  
 8; 3937.2; 22-MAY-2010 12:44:06; Bright; 54.0; 76; 27Gam Cas ; 2.30; 30000;occ; 108; 0;43006  
 9; 4009.4; 22-MAY-2010 12:45:19; Bright; 55.0; 68; 18Alp Cas ; 2.22; 4500;occ; 110; 0;43006  
 10; 4529.8; 22-MAY-2010 12:53:59; Dark ; 48.5; 58; 21Alp And ; 2.07; 11000;occ; 97; 0;43006



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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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 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  
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 13; 6024.8; 24-MAY-2010 13:56:16; Dark ; 49.0; 63; Bet Gru ; 2.15; 2800;occ; 98; 0;43035  
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 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  
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 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  
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 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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 13; 5334.2; 24-MAY-2010 15:25:21; Dark ; 49.5; 52; 16Bet Cet ; 2.04; 4500;occ; 99; 0;43036  
 14; 5862.2; 24-MAY-2010 15:34:09; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;43036  
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 18; 6851.5; 24-MAY-2010 15:50:38; Dark ; 43.0; 141; Bet Ara ; 2.84; 4600;occ; 86; 0;43037  
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 16; 6128.7; 24-MAY-2010 17:19:12; Dark ; 43.5; 31; Alp Gru ; 1.73; 15200;occ; 87; 0;43038  
 17; 6449.0; 24-MAY-2010 17:24:32; Dark ; 42.0; 45; Alp Pav ; 1.94; 26000;occ; 84; 0;43038  
 18; 6852.2; 24-MAY-2010 17:31:15; Dark ; 41.5; 141; Bet Ara ; 2.84; 4600;occ; 83; 0;43038  
 19; 7019.9; 24-MAY-2010 17:34:03; Dark ; 49.0; 40; The Sco ; 1.86; 7100;occ; 98; 0;43038

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 5; 1527.2; 24-MAY-2010 17:43:06; Bright; 41.0; 97; 8Bet1Sco ; 2.56; 30000;occ; 82; 0;43038  
 6; 1735.5; 24-MAY-2010 17:46:34; Bright; 38.5; 104; 27Bet Lib ; 2.61; 13100;occ; 77; 0;43038  
 7; 1839.1; 24-MAY-2010 17:48:18; Bright; 43.5; 120; 1Del Oph ; 2.73; 3200;occ; 87; 0;43038  
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 9; 2369.4; 24-MAY-2010 17:57:08; Bright; 40.0; 83; ; 2.38; 11000;occ; 80; 0;43038  
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 12; 3935.9; 24-MAY-2010 18:23:15; Bright; 54.0; 76; 27Gam Cas ; 2.30; 30000;occ; 108; 0;43038  
 13; 4007.9; 24-MAY-2010 18:24:27; Bright; 53.0; 68; 18Alp Cas ; 2.22; 4500;occ; 106; 0;43038  
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16; 4805.2; 24-MAY-2010 18:37:44; Dark ; 46.0; 140; 88Gam Peg ; 2.83; 26000;occ; 92; 0;43038
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22; 6852.5; 24-MAY-2010 19:11:51; Dark ; 47.0; 141; Bet Ara ; 2.84; 4600;occ; 94; 0;43039
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21; 6450.5; 24-MAY-2010 20:45:45; Dark ; 42.5; 45; Alp Pav ; 1.94; 26000;occ; 85; 0;43040
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 9; 97.7; 25-MAY-2010 03:22:52; Dark ; 43.5; 31; Alp Gru ; 1.73; 15200;occ; 87; 0;43044
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 4; 107.6; 25-MAY-2010 21:49:37; Dark ; 43.5; 31; Alp Gru ; 1.73; 15200;occ; 87; 0;43055
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 6; 823.4; 25-MAY-2010 22:01:33; Dark ; 48.0; 141; Bet Ara ; 2.84; 4600;occ; 96; 0;43055
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11; 1529.4; 25-MAY-2010 22:13:19; Bright; 42.0; 97; 8Bet1Sco ; 2.56; 30000;occ; 84; 0;43055
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 3; 820.4; 25-MAY-2010 10:17:18; Dark ; 41.5; 141; Bet Ara ; 2.84; 4600;occ; 83; 0;43048
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 5; 1101.2; 25-MAY-2010 10:21:59; Dark ; 46.0; 115; 34Ups Sco ; 2.70; 26000;occ; 92; 0;43048
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 7; 1387.0; 25-MAY-2010 10:26:45; Dark ; 57.0; 16; 21Alp Sco ; 1.02; 3000;occ; 114; 0;43048

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16; 6456.6; 25-MAY-2010 11:51:15; Dark ; 41.0; 45; Alp Pav ; 1.94; 26000;occ; 82; 0;43049
17; 6856.5; 25-MAY-2010 11:57:55; Dark ; 42.5; 141; Bet Ara ; 2.84; 4600;occ; 85; 0;43049
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16; 6458.4; 25-MAY-2010 15:12:28; Dark ; 41.5; 45; Alp Pav ; 1.94; 26000;occ; 83; 0;43051
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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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6; 1737.1; 25-MAY-2010 18:55:35; Bright; 37.5; 104; 27Bet Lib ; 2.61; 13100;occ; 75; 0;43053

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8; 2020.8; 25-MAY-2010 19:00:19; Bright; 39.0; 102; 24Alp Ser ; 2.60; 4250;occ; 78; 0;43053
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12; 3935.5; 25-MAY-2010 19:32:13; Bright; 54.0; 76; 27Gam Cas ; 2.30; 30000;occ; 108; 0;43053
13; 4007.0; 25-MAY-2010 19:33:25; Bright; 36.0; 68; 18Alp Cas ; 2.22; 4500;occ; 72; 0;43053
14; 4384.7; 25-MAY-2010 19:39:42; Bright; 39.0; 53; 43Bet And ; 2.05; 3300;occ; 78; 0;43053
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16; 4811.2; 25-MAY-2010 19:46:49; Dark ; 45.5; 140; 88Gam Peg ; 2.83; 26000;occ; 91; 0;43053
17; 5342.1; 25-MAY-2010 19:55:40; Dark ; 47.0; 52; 16Bet Cet ; 2.04; 4500;occ; 94; 0;43053
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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
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3; 4.9; 26-MAY-2010 01:09:06; Dark ; 43.5; 63; Bet Gru ; 2.15; 2800;occ; 87; 0;43056
4; 109.2; 26-MAY-2010 01:10:50; Dark ; 43.0; 31; Alp Gru ; 1.73; 15200;occ; 86; 0;43057
5; 426.4; 26-MAY-2010 01:16:08; Dark ; 41.5; 45; Alp Pav ; 1.94; 26000;occ; 83; 0;43057
6; 824.2; 26-MAY-2010 01:22:46; Dark ; 44.5; 141; Bet Ara ; 2.84; 4600;occ; 89; 0;43057
7; 993.8; 26-MAY-2010 01:25:35; Dark ; 48.5; 40; The Sco ; 1.86; 7100;occ; 97; 0;43057
8; 1103.7; 26-MAY-2010 01:27:25; Dark ; 49.0; 25; 35Lam Sco ; 1.62; 28000;occ; 98; 0;43057
9; 1221.6; 26-MAY-2010 01:29:23; Dark ; 49.5; 75; 26Eps Sco ; 2.29; 4250;occ; 99; 0;43057
10; 1349.8; 26-MAY-2010 01:31:31; Dark ; 44.5; 136; 23Tau Sco ; 2.82; 30000;occ; 89; 0;43057
11; 1530.1; 26-MAY-2010 01:34:31; Bright; 39.5; 97; 8Bet1Sco ; 2.56; 30000;occ; 79; 0;43057
12; 1737.4; 26-MAY-2010 01:37:59; Bright; 37.0; 104; 27Bet Lib ; 2.61; 13100;occ; 74; 0;43057
13; 1837.4; 26-MAY-2010 01:39:39; Bright; 43.0; 120; 1Del Oph ; 2.73; 3200;occ; 86; 0;43057
14; 2020.5; 26-MAY-2010 01:42:42; Bright; 39.0; 102; 24Alp Ser ; 2.60; 4250;occ; 78; 0;43057
15; 2384.3; 26-MAY-2010 01:48:46; Bright; 39.0; 67; 5Alp CrB ; 2.22; 11000;occ; 78; 0;43057
16; 3033.3; 26-MAY-2010 01:59:35; Bright; 40.0; 119; 14Eta Dra ; 2.73; 4700;occ; 80; 0;43057
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22; 4812.8; 26-MAY-2010 02:29:14; Dark ; 44.5; 140; 88Gam Peg ; 2.83; 26000;occ; 89; 0;43057
23; 5344.0; 26-MAY-2010 02:38:05; Dark ; 44.0; 52; 16Bet Cet ; 2.04; 4500;occ; 88; 0;43057
24; 5870.7; 26-MAY-2010 02:46:52; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;43057
25; 6041.5; 26-MAY-2010 02:49:43; Dark ; 49.5; 63; Bet Gru ; 2.15; 2800;occ; 99; 0;43057
26; 6145.7; 26-MAY-2010 02:51:27; Dark ; 43.0; 31; Alp Gru ; 1.73; 15200;occ; 86; 0;43058
27; 6462.9; 26-MAY-2010 02:56:44; Dark ; 42.5; 45; Alp Pav ; 1.94; 26000;occ; 85; 0;43058
28; 6860.4; 26-MAY-2010 03:03:22; Dark ; 46.0; 141; Bet Ara ; 2.84; 4600;occ; 92; 0;43058
29; 7030.3; 26-MAY-2010 03:06:12; Dark ; 46.5; 40; The Sco ; 1.86; 7100;occ; 93; 0;43058
30; 7140.2; 26-MAY-2010 03:08:02; Dark ; 48.0; 25; 35Lam Sco ; 1.62; 28000;occ; 96; 0;43058
31; 7258.1; 26-MAY-2010 03:09:59; Dark ; 46.0; 75; 26Eps Sco ; 2.29; 4250;occ; 92; 0;43058
32; 7386.2; 26-MAY-2010 03:12:07; Dark ; 48.0; 136; 23Tau Sco ; 2.82; 30000;occ; 96; 0;43058
33; 7566.0; 26-MAY-2010 03:15:07; Bright; 40.5; 97; 8Bet1Sco ; 2.56; 30000;occ; 81; 0;43058
34; 7773.2; 26-MAY-2010 03:18:35; Bright; 37.5; 104; 27Bet Lib ; 2.61; 13100;occ; 75; 0;43058
35; 8056.2; 26-MAY-2010 03:23:17; Bright; 39.5; 102; 24Alp Ser ; 2.60; 4250;occ; 79; 0;43058
36; 8419.9; 26-MAY-2010 03:29:21; Bright; 41.0; 67; 5Alp CrB ; 2.22; 11000;occ; 82; 0;43058

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3; 1103.7; 26-MAY-2010 01:27:25; Dark ; 49.0; 25; 35Lam Sco ; 1.62; 28000;occ; 98; 0;43057
4; 1221.6; 26-MAY-2010 01:29:23; Dark ; 49.5; 75; 26Eps Sco ; 2.29; 4250;occ; 99; 0;43057
5; 1349.8; 26-MAY-2010 01:31:31; Dark ; 44.5; 136; 23Tau Sco ; 2.82; 30000;occ; 89; 0;43057
6; 1530.1; 26-MAY-2010 01:34:31; Bright; 39.5; 97; 8Bet1Sco ; 2.56; 30000;occ; 79; 0;43057
7; 1737.4; 26-MAY-2010 01:37:59; Bright; 37.0; 104; 27Bet Lib ; 2.61; 13100;occ; 74; 0;43057
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
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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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 16; 4538.9; 26-MAY-2010 02:24:40; Dark ; 47.5; 58; 21Alp And ; 2.07; 11000;occ; 95; 0;43057  
 17; 4812.8; 26-MAY-2010 02:29:14; Dark ; 44.5; 140; 88Gam Peg ; 2.83; 26000;occ; 89; 0;43057  
 18; 5344.0; 26-MAY-2010 02:38:05; Dark ; 44.0; 52; 16Bet Cet ; 2.04; 4500;occ; 88; 0;43057  
 19; 5870.7; 26-MAY-2010 02:46:52; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;43057  
 20; 6041.5; 26-MAY-2010 02:49:43; Dark ; 49.5; 63; Bet Gru ; 2.15; 2800;occ; 99; 0;43057  
 21; 6145.7; 26-MAY-2010 02:51:27; Dark ; 43.0; 31; Alp Gru ; 1.73; 15200;occ; 86; 0;43058  
 22; 6462.9; 26-MAY-2010 02:56:44; Dark ; 42.5; 45; Alp Pav ; 1.94; 26000;occ; 85; 0;43058  
 23; 6860.4; 26-MAY-2010 03:03:22; Dark ; 46.0; 141; Bet Ara ; 2.84; 4600;occ; 92; 0;43058  
 24; 7030.3; 26-MAY-2010 03:06:12; Dark ; 46.5; 40; The Sco ; 1.86; 7100;occ; 93; 0;43058  
 25; 7140.2; 26-MAY-2010 03:08:02; Dark ; 48.0; 25; 35Lam Sco ; 1.62; 28000;occ; 96; 0;43058  
 26; 7258.1; 26-MAY-2010 03:09:59; Dark ; 46.0; 75; 26Eps Sco ; 2.29; 4250;occ; 92; 0;43058  
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 28; 7566.0; 26-MAY-2010 03:15:07; Bright; 40.5; 97; 8Bet1Sco ; 2.56; 30000;occ; 81; 0;43058  
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 31; 8419.9; 26-MAY-2010 03:29:21; Bright; 11.5; 67; 5Alp CrB ; 2.22; 11000;occ; 23; 0;43058

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 3;-2100.6; 26-MAY-2010 03:55:13; Bright; 54.0; 76; 27Gam Cas ; 2.30; 30000;occ; 108; 0;43058  
 4;-2029.2; 26-MAY-2010 03:56:24; Bright; 38.5; 68; 18Alp Cas ; 2.22; 4500;occ; 77; 0;43058  
 5;-1651.2; 26-MAY-2010 04:02:42; Bright; 40.0; 53; 43Bet And ; 2.05; 3300;occ; 80; 0;43058  
 6;-1497.0; 26-MAY-2010 04:05:16; Dark ; 52.5; 58; 21Alp And ; 2.07; 11000;occ; 105; 0;43058  
 7;-1222.9; 26-MAY-2010 04:09:50; Dark ; 46.5; 140; 88Gam Peg ; 2.83; 26000;occ; 93; 0;43058  
 8; -691.4; 26-MAY-2010 04:18:42; Dark ; 45.0; 52; 16Bet Cet ; 2.04; 4500;occ; 90; 0;43058  
 9; -164.6; 26-MAY-2010 04:27:29; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;43058  
 10; 6.5; 26-MAY-2010 04:30:20; Dark ; 55.5; 63; Bet Gru ; 2.15; 2800;occ; 111; 0;43058  
 11; 111.0; 26-MAY-2010 04:32:04; Dark ; 43.0; 31; Alp Gru ; 1.73; 15200;occ; 86; 0;43059  
 12; 427.8; 26-MAY-2010 04:37:21; Dark ; 42.0; 45; Alp Pav ; 1.94; 26000;occ; 84; 0;43059  
 13; 825.3; 26-MAY-2010 04:43:59; Dark ; 45.0; 141; Bet Ara ; 2.84; 4600;occ; 90; 0;43059  
 14; 994.9; 26-MAY-2010 04:46:48; Dark ; 49.5; 40; The Sco ; 1.86; 7100;occ; 99; 0;43059  
 15; 1105.0; 26-MAY-2010 04:48:38; Dark ; 50.0; 25; 35Lam Sco ; 1.62; 28000;occ; 100; 0;43059  
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 9; 111.4; 26-MAY-2010 06:12:41; Dark ; 46.5; 31; Alp Gru ; 1.73; 15200;occ; 93; 0;43060  
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 19; 2383.6; 26-MAY-2010 06:50:33; Bright; 57.0; 67; 5Alp CrB ; 2.22; 11000;occ; 114; 0;43060  
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7; -163.4; 26-MAY-2010 07:48:42; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;43060
8; 7.9; 26-MAY-2010 07:51:33; Dark ; 58.0; 63; Bet Gru ; 2.15; 2800;occ; 116; 0;43060
9; 112.6; 26-MAY-2010 07:53:18; Dark ; 44.0; 31; Alp Gru ; 1.73; 15200;occ; 88; 0;43061
10; 429.3; 26-MAY-2010 07:58:34; Dark ; 43.0; 45; Alp Pav ; 1.94; 26000;occ; 86; 0;43061
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3; 2383.4; 26-MAY-2010 08:31:08; Bright; 39.5; 67; 5Alp CrB ; 2.22; 11000;occ; 79; 0;43061
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6; 3935.0; 26-MAY-2010 08:57:00; Bright; 54.0; 76; 27Gam Cas ; 2.30; 30000;occ; 108; 0;43061
7; 4006.9; 26-MAY-2010 08:58:12; Bright; 56.0; 68; 18Alp Cas ; 2.22; 4500;occ; 112; 0;43061
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19; 7259.2; 26-MAY-2010 09:52:24; Dark ; 47.0; 75; 26Eps Sco ; 2.29; 4250;occ; 94; 0;43062
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21; 7566.8; 26-MAY-2010 09:57:32; Bright; 42.0; 97; 8Bet1Sco ; 2.56; 30000;occ; 84; 0;43062
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4; 3031.4; 26-MAY-2010 10:22:32; Bright; 38.0; 119; 14Eta Dra ; 2.73; 4700;occ; 76; 0;43062
5; 3169.5; 26-MAY-2010 10:24:51; Bright; 36.0; 60; 7Bet UMi ; 2.08; 3950;occ; 72; 0;43062
6; 3935.0; 26-MAY-2010 10:37:36; Bright; 54.0; 76; 27Gam Cas ; 2.30; 30000;occ; 108; 0;43062
7; 4006.3; 26-MAY-2010 10:38:47; Bright; 39.5; 68; 18Alp Cas ; 2.22; 4500;occ; 79; 0;43062
8; 4385.1; 26-MAY-2010 10:45:06; Bright; 40.0; 53; 43Bet And ; 2.05; 3300;occ; 80; 0;43062
9; 4539.4; 26-MAY-2010 10:47:40; Dark ; 50.0; 58; 21Alp And ; 2.07; 11000;occ; 100; 0;43062
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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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19; 7259.5; 26-MAY-2010 11:33:01; Dark ; 48.5; 75; 26Eps Sco ; 2.29; 4250;occ; 97; 0;43063
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3; 2382.7; 26-MAY-2010 11:52:20; Bright; 38.5; 67; 5Alp CrB ; 2.22; 11000;occ; 77; 0;43063
4; 3031.1; 26-MAY-2010 12:03:08; Bright; 40.5; 119; 14Eta Dra ; 2.73; 4700;occ; 81; 0;43063
5; 3169.1; 26-MAY-2010 12:05:26; Bright; 53.0; 60; 7Bet UMi ; 2.08; 3950;occ; 106; 0;43063
6; 3935.0; 26-MAY-2010 12:18:12; Bright; 37.5; 76; 27Gam Cas ; 2.30; 30000;occ; 75; 0;43063
7; 4006.5; 26-MAY-2010 12:19:23; Bright; 39.0; 68; 18Alp Cas ; 2.22; 4500;occ; 78; 0;43063
8; 4385.7; 26-MAY-2010 12:25:43; Bright; 39.5; 53; 43Bet And ; 2.05; 3300;occ; 79; 0;43063
9; 4540.3; 26-MAY-2010 12:28:17; Dark ; 48.0; 58; 21Alp And ; 2.07; 11000;occ; 96; 0;43063
10; 4815.9; 26-MAY-2010 12:32:53; Dark ; 44.0; 140; 88Gam Peg ; 2.83; 26000;occ; 88; 0;43063

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 13; 6046.3; 26-MAY-2010 12:53:23; Dark ; 45.0; 63; Bet Gru ; 2.15; 2800;occ; 90; 0;43064  
 14; 6151.7; 26-MAY-2010 12:55:09; Dark ; 45.0; 31; Alp Gru ; 1.73; 15200;occ; 90; 0;43064  
 15; 6467.5; 26-MAY-2010 13:00:24; Dark ; 40.5; 45; Alp Pav ; 1.94; 26000;occ; 81; 0;43064  
 16; 6863.6; 26-MAY-2010 13:07:00; Dark ; 42.0; 141; Bet Ara ; 2.84; 4600;occ; 84; 0;43064  
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 18; 7143.7; 26-MAY-2010 13:11:41; Dark ; 47.0; 25; 35Lam Sco ; 1.62; 28000;occ; 94; 0;43064  
 19; 7260.5; 26-MAY-2010 13:13:37; Dark ; 47.0; 75; 26Eps Sco ; 2.29; 4250;occ; 94; 0;43064  
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 3; 1837.4; 26-MAY-2010 13:23:50; Bright; 43.5; 120; 1Del Oph ; 2.73; 3200;occ; 87; 0;43064  
 4; 2020.5; 26-MAY-2010 13:26:53; Bright; 38.5; 102; 24Alp Ser ; 2.60; 4250;occ; 77; 0;43064  
 5; 2383.8; 26-MAY-2010 13:32:57; Bright; 37.5; 67; 5Alp CrB ; 2.22; 11000;occ; 75; 0;43064  
 6; 3031.7; 26-MAY-2010 13:43:44; Bright; 37.0; 119; 14Eta Dra ; 2.73; 4700;occ; 74; 0;43064  
 7; 3170.3; 26-MAY-2010 13:46:03; Bright; 34.0; 60; 7Bet UMi ; 2.08; 3950;occ; 68; 0;43064  
 8; 3935.8; 26-MAY-2010 13:58:49; Bright; 39.0; 76; 27Gam Cas ; 2.30; 30000;occ; 78; 0;43064  
 9; 4007.3; 26-MAY-2010 14:00:00; Bright; 45.0; 68; 18Alp Cas ; 2.22; 4500;occ; 90; 0;43064  
 10; 4386.4; 26-MAY-2010 14:06:19; Bright; 39.0; 53; 43Bet And ; 2.05; 3300;occ; 78; 0;43064  
 11; 4541.2; 26-MAY-2010 14:08:54; Dark ; 49.5; 58; 21Alp And ; 2.07; 11000;occ; 99; 0;43064  
 12; 4816.3; 26-MAY-2010 14:13:29; Dark ; 45.5; 140; 88Gam Peg ; 2.83; 26000;occ; 91; 0;43064  
 13; 5348.2; 26-MAY-2010 14:22:21; Dark ; 46.0; 52; 16Bet Cet ; 2.04; 4500;occ; 92; 0;43064  
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 17; 6468.7; 26-MAY-2010 14:41:01; Dark ; 43.0; 45; Alp Pav ; 1.94; 26000;occ; 86; 0;43065  
 18; 6864.1; 26-MAY-2010 14:47:37; Dark ; 42.0; 141; Bet Ara ; 2.84; 4600;occ; 84; 0;43065  
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17; 3168.8; 26-MAY-2010 23:49:37; Bright; 39.5; 60; 7Bet UMi ; 2.08; 3950;occ; 79; 0;43070
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11; 2531.8; 31-MAY-2010 19:20:19; Bright; 46.0; 133; 40Zet Her ; 2.81; 6000;occ; 92; 0;43139
12; 3006.4; 31-MAY-2010 19:28:14; Bright; 39.5; 119; 14Eta Dra ; 2.73; 4700;occ; 79; 0;43139
13; 3632.5; 31-MAY-2010 19:38:40; Bright; 48.5; 89; 5Alp Cep ; 2.45; 8000;occ; 97; 0;43139
14; 3929.5; 31-MAY-2010 19:43:37; Bright; 55.0; 76; 27Gam Cas ; 2.30; 30000;occ; 110; 0;43139
15; 4393.3; 31-MAY-2010 19:51:21; Bright; 45.5; 53; 43Bet And ; 2.05; 3300;occ; 91; 0;43139
16; 4554.3; 31-MAY-2010 19:54:02; Dark ; 54.0; 58; 21Alp And ; 2.07; 11000;occ; 108; 0;43139

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