

# GOMOS Daily Report 22-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	25MAY2010 04:50:54
Data source version	GOMOS/5.00L04
Start time of products	22MAY2010 00:00:43
Stop time of products	22MAY2010 23:56:27
Store outputs in DB	Yes
Nb of level 1b prods	123
Nb of prods with errors	0

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

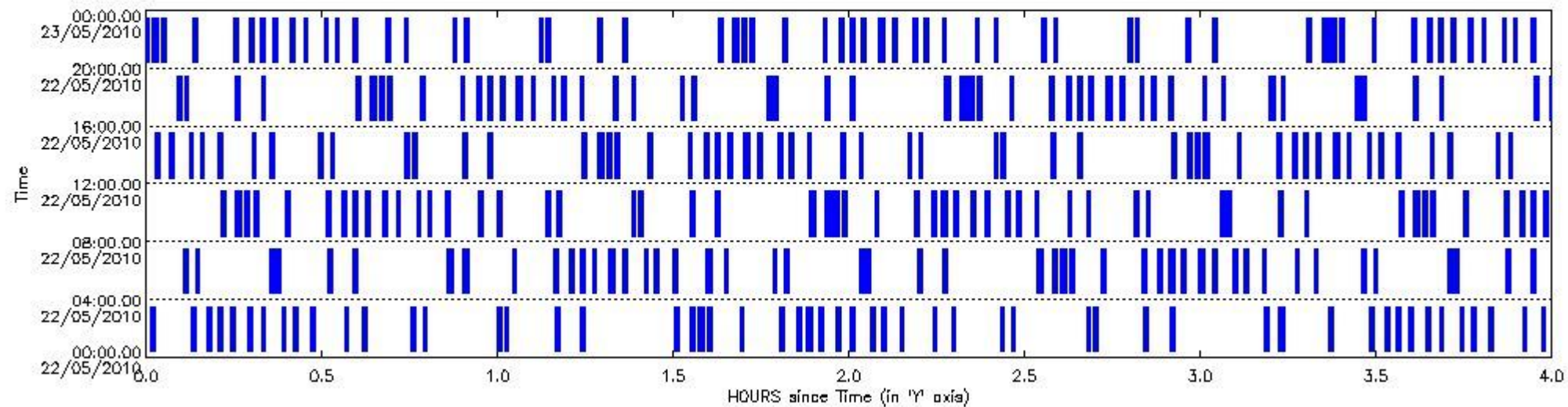
### 2.1 Level 0 products arrived in PCF (see template [here](#))

### 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

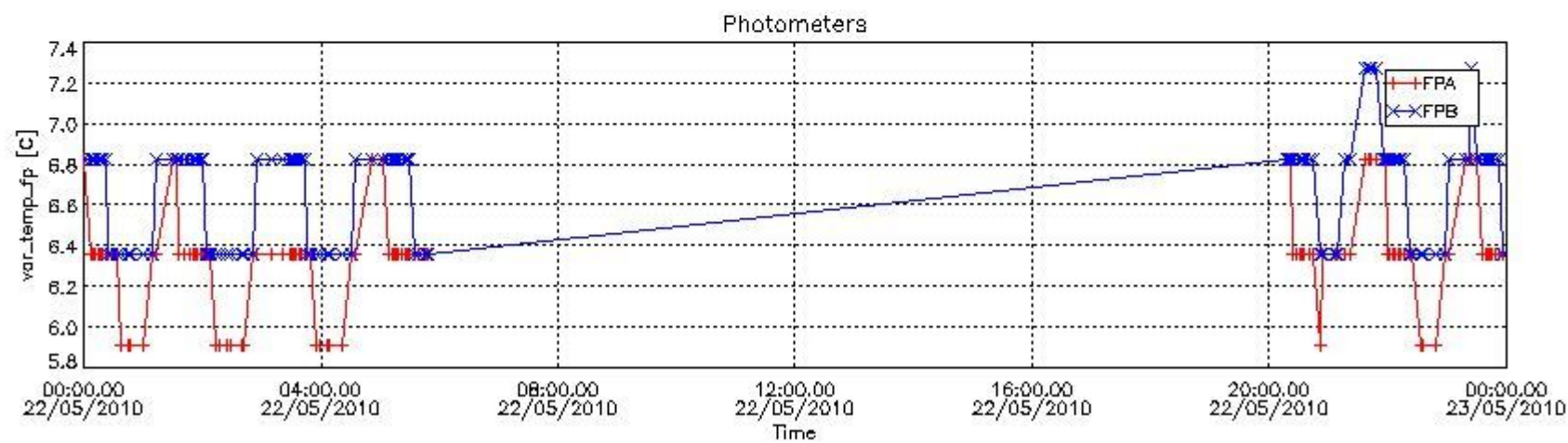
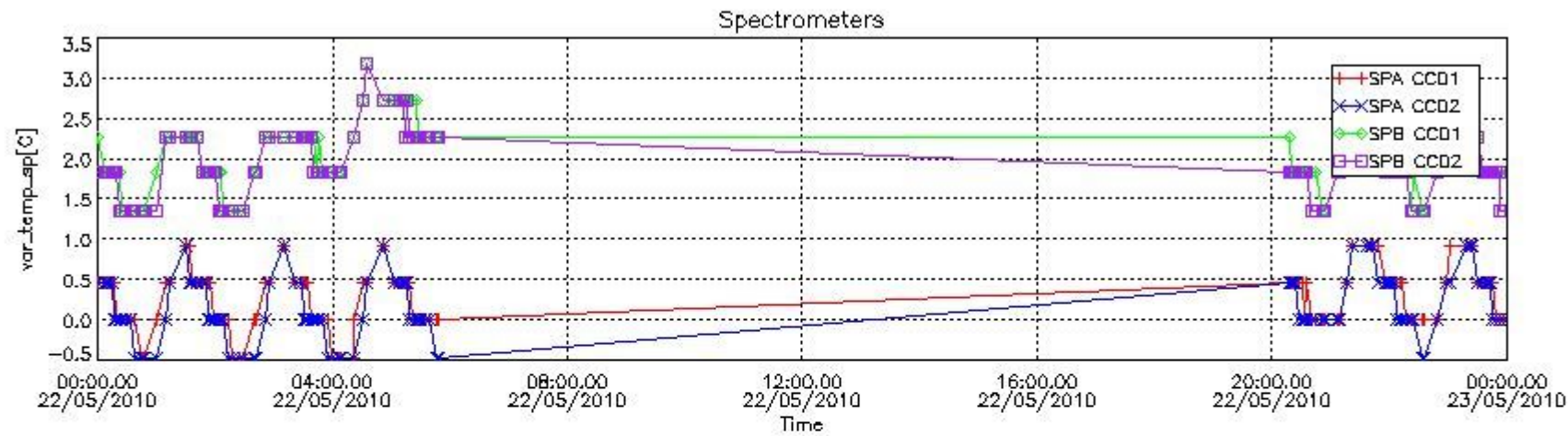
Nr	Filename	UTC Start time	Limb	Duration	Star Id	Star Name	Star Mag	Star Temp	Nb Meas	Orbit	Prod. error
1	GOM_TRA_1PNPDE20100522_000043_000000432089_00360_42999_3172.N1	22-MAY-2010 00:00:43	Dark	42.500	45	Alp Pav	1.9400	26000.	85	42999	No
2	GOM_TRA_1PNPDE20100522_000736_000000502089_00360_42999_3173.N1	22-MAY-2010 00:07:36	Straylight	49.500	141	Bet Ara	2.8400	4600.0	99	42999	No
3	GOM_TRA_1PNPDE20100522_001020_000000472089_00360_42999_3174.N1	22-MAY-2010 00:10:20	Straylight	47.000	40	The Sco	1.8590	7100.0	94	42999	No
4	GOM_TRA_1PNPDE20100522_001211_000000512089_00360_42999_3175.N1	22-MAY-2010 00:12:11	Straylight	51.000	25	35Lam Sco	1.6200	28000.	102	42999	No
5	GOM_TRA_1PNPDE20100522_001418_000000492089_00360_42999_3176.N1	22-MAY-2010 00:14:18	Twilight_stray	48.500	75	26Eps Sco	2.2910	4250.0	97	42999	No
6	GOM_TRA_1PNPDE20100522_001712_000000572089_00360_42999_3177.N1	22-MAY-2010 00:17:12	Twilight_stray	57.000	16	21Alp Sco	1.0200	3000.0	114	42999	No
7	GOM_TRA_1PNPDE20100522_001938_000000422089_00360_42999_3178.N1	22-MAY-2010 00:19:38	Bright	42.000	97	8Bet1Sco	2.5610	30000.	84	42999	No
8	GOM_TRA_1PNPDE20100522_002310_000000382089_00360_42999_3179.N1	22-MAY-2010 00:23:10	Bright	38.000	104	27Bet Lib	2.6140	13100.	76	42999	No
9	GOM_TRA_1PNPDE20100522_002501_000000452089_00360_42999_3180.N1	22-MAY-2010 00:25:01	Bright	45.000	120	1Del Oph	2.7340	3200.0	90	42999	No
10	GOM_TRA_1PNPDE20100522_002806_000000412089_00360_42999_3181.N1	22-MAY-2010 00:28:06	Bright	41.000	102	24Alp Ser	2.6000	4250.0	82	42999	No
11	GOM_TRA_1PNPDE20100522_003349_000000362089_00360_42999_3182.N1	22-MAY-2010 00:33:49	Bright	36.000	83		2.3780	11000.	72	42999	No
12	GOM_TRA_1PNPDE20100522_003659_000000362089_00360_42999_3183.N1	22-MAY-2010 00:36:59	Bright	35.500	180	27Gam Boo	3.0400	8000.0	71	42999	No

13	GOM_TRA_1PNPDE20100522_004513_000000412089_00360_42999_3184.N1	22-MAY-2010 00:45:13	Bright	41.000	119	14Eta Dra	2.7270	4700.0	82	42999	No
14	GOM_TRA_1PNPDE20100522_004712_000000392089_00360_42999_3185.N1	22-MAY-2010 00:47:12	Bright	39.000	60	7Bet UMi	2.0810	3950.0	78	42999	No
15	GOM_TRA_1PNPDE20100522_005955_000000542089_00360_42999_3186.N1	22-MAY-2010 00:59:55	Bright	54.000	76	27Gam Cas	2.3000	30000.	108	42999	No
16	GOM_TRA_1PNPDE20100522_010108_000000372089_00360_42999_3187.N1	22-MAY-2010 01:01:08	Bright	36.500	68	18Alp Cas	2.2250	4500.0	73	42999	No
17	GOM_TRA_1PNPDE20100522_010946_000000472089_00360_42999_3188.N1	22-MAY-2010 01:09:46	Tw_i_and_stray	47.000	58	21Alp And	2.0730	11000.	94	42999	No
18	GOM_TRA_1PNPDE20100522_011409_000000452089_00360_42999_3189.N1	22-MAY-2010 01:14:09	Dark	44.500	140	88Gam Peg	2.8340	26000.	89	42999	No
19	GOM_TRA_1PNPDE20100522_013011_000000502089_00360_42999_3188.N1	22-MAY-2010 01:30:11	Dark	49.500	18	24Alp PsA	1.1660	9700.0	99	42999	No
20	GOM_TRA_1PNPDE20100522_013416_000000582089_00360_42999_3189.N1	22-MAY-2010 01:34:16	Dark	58.000	63	Bet Gru	2.1500	2800.0	116	42999	No
21	GOM_TRA_1PNPDE20100522_013554_000000502089_00361_43000_3190.N1	22-MAY-2010 01:35:54	Dark	49.500	31	Alp Gru	1.7340	15200.	99	43000	No
22	GOM_TRA_1PNPDE20100522_014120_000000442089_00361_43000_3191.N1	22-MAY-2010 01:41:20	Dark	44.000	45	Alp Pav	1.9400	26000.	88	43000	No
23	GOM_TRA_1PNPDE20100522_014813_000000422089_00361_43000_3192.N1	22-MAY-2010 01:48:13	Straylight	42.000	141	Bet Ara	2.8400	4600.0	84	43000	No
24	GOM_TRA_1PNPDE20100522_015057_000000502089_00361_43000_3193.N1	22-MAY-2010 01:50:57	Straylight	50.000	40	The Sco	1.8590	7100.0	100	43000	No
25	GOM_TRA_1PNPDE20100522_015248_000000502089_00361_43000_3194.N1	22-MAY-2010 01:52:48	Straylight	49.500	25	35Lam Sco	1.6200	28000.	99	43000	No
26	GOM_TRA_1PNPDE20100522_015454_000000482089_00361_43000_3195.N1	22-MAY-2010 01:54:54	Tw_i_and_stray	48.000	75	26Eps Sco	2.2910	4250.0	96	43000	No
27	GOM_TRA_1PNPDE20100522_015748_000000532089_00361_43000_3196.N1	22-MAY-2010 01:57:48	Tw_i_and_stray	53.000	16	21Alp Sco	1.0200	3000.0	106	43000	No
28	GOM_TRA_1PNPDE20100522_020014_000000442089_00361_43000_3197.N1	22-MAY-2010 02:00:14	Bright	43.500	97	8Bet1Sco	2.5610	30000.	87	43000	No
29	GOM_TRA_1PNPDE20100522_020346_000000392089_00361_43000_3198.N1	22-MAY-2010 02:03:46	Bright	38.500	104	27Bet Lib	2.6140	13100.	77	43000	No
30	GOM_TRA_1PNPDE20100522_020537_000000462089_00361_43000_3199.N1	22-MAY-2010 02:05:37	Bright	46.000	120	1Del Oph	2.7340	3200.0	92	43000	No
31	GOM_TRA_1PNPDE20100522_020842_000000412089_00361_43000_3200.N1	22-MAY-2010 02:08:42	Bright	41.000	102	24Alp Ser	2.6000	4250.0	82	43000	No
32	GOM_TRA_1PNPDE20100522_021425_000000362089_00361_43000_3201.N1	22-MAY-2010 02:14:25	Bright	35.500	83		2.3780	11000.	71	43000	No
33	GOM_TRA_1PNPDE20100522_021735_000000372089_00361_43000_3202.N1	22-MAY-2010 02:17:35	Bright	37.000	180	27Gam Boo	3.0400	8000.0	74	43000	No
34	GOM_TRA_1PNPDE20100522_022549_000000392089_00361_43000_3203.N1	22-MAY-2010 02:25:49	Bright	39.000	119	14Eta Dra	2.7270	4700.0	78	43000	No
35	GOM_TRA_1PNPDE20100522_022748_000000382089_00361_43000_3204.N1	22-MAY-2010 02:27:48	Bright	38.000	60	7Bet UMi	2.0810	3950.0	76	43000	No
36	GOM_TRA_1PNPDE20100522_024031_000000362089_00361_43000_3217.N1	22-MAY-2010 02:40:31	Bright	36.000	76	27Gam Cas	2.3000	30000.	72	43000	No
37	GOM_TRA_1PNPDE20100522_024143_000000392089_00361_43000_3218.N1	22-MAY-2010 02:41:43	Bright	39.000	68	18Alp Cas	2.2250	4500.0	78	43000	No
38	GOM_TRA_1PNPDE20100522_025022_000000482089_00361_43000_3219.N1	22-MAY-2010 02:50:22	Tw_i_and_stray	48.000	58	21Alp And	2.0730	11000.	96	43000	No
39	GOM_TRA_1PNPDE20100522_025445_000000462089_00361_43000_3220.N1	22-MAY-2010 02:54:45	Dark	46.000	140	88Gam Peg	2.8340	26000.	92	43000	No
40	GOM_TRA_1PNPDE20100522_031048_000000492089_00361_43000_3221.N1	22-MAY-2010 03:10:48	Dark	49.000	18	24Alp PsA	1.1660	9700.0	98	43000	No
41	GOM_TRA_1PNPDE20100522_032156_000000422089_00362_43001_3222.N1	22-MAY-2010 03:21:56	Dark	42.000	45	Alp Pav	1.9400	26000.	84	43001	No
42	GOM_TRA_1PNPDE20100522_032849_000000482089_00362_43001_3223.N1	22-MAY-2010 03:28:49	Straylight	47.500	141	Bet Ara	2.8400	4600.0	95	43001	No
43	GOM_TRA_1PNPDE20100522_033133_000000492089_00362_43001_3224.N1	22-MAY-2010 03:31:33	Straylight	49.000	40	The Sco	1.8590	7100.0	98	43001	No
44	GOM_TRA_1PNPDE20100522_033324_000000512089_00362_43001_3225.N1	22-MAY-2010 03:33:24	Straylight	51.000	25	35Lam Sco	1.6200	28000.	102	43001	No
45	GOM_TRA_1PNPDE20100522_033530_000000502089_00362_43001_3226.N1	22-MAY-2010 03:35:30	Tw_i_and_stray	49.500	75	26Eps Sco	2.2910	4250.0	99	43001	No
46	GOM_TRA_1PNPDE20100522_033824_000000612089_00362_43001_3227.N1	22-MAY-2010 03:38:24	Tw_i_and_stray	61.000	16	21Alp Sco	1.0200	3000.0	122	43001	No
47	GOM_TRA_1PNPDE20100522_034051_000000412089_00362_43001_3228.N1	22-MAY-2010 03:40:51	Bright	41.000	97	8Bet1Sco	2.5610	30000.	82	43001	No
48	GOM_TRA_1PNPDE20100522_034422_000000392089_00362_43001_3229.N1	22-MAY-2010 03:44:22	Bright	38.500	104	27Bet Lib	2.6140	13100.	77	43001	No
49	GOM_TRA_1PNPDE20100522_034613_000000452089_00362_43001_3230.N1	22-MAY-2010 03:46:13	Bright	45.000	120	1Del Oph	2.7340	3200.0	90	43001	No
50	GOM_TRA_1PNPDE20100522_034918_000000412089_00362_43001_3231.N1	22-MAY-2010 03:49:18	Bright	40.500	102	24Alp Ser	2.6000	4250.0	81	43001	No
51	GOM_TRA_1PNPDE20100522_035501_000000372089_00362_43001_3232.N1	22-MAY-2010 03:55:01	Bright	36.500	83		2.3780	11000.	73	43001	No
52	GOM_TRA_1PNPDE20100522_035811_000000362089_00362_43001_3233.N1	22-MAY-2010 03:58:11	Bright	35.500	180	27Gam Boo	3.0400	8000.0	71	43001	No
53	GOM_TRA_1PNPDE20100522_040624_000000412089_00362_43001_3234.N1	22-MAY-2010 04:06:24	Bright	41.000	119	14Eta Dra	2.7270	4700.0	82	43001	No
54	GOM_TRA_1PNPDE20100522_040824_000000342089_00362_43001_3235.N1	22-MAY-2010 04:08:24	Bright	34.000	60	7Bet UMi	2.0810	3950.0	68	43001	No
55	GOM_TRA_1PNPDE20100522_042107_000000542089_00362_43001_3241.N1	22-MAY-2010 04:21:07	Bright	54.000	76	27Gam Cas	2.3000	30000.	108	43001	No
56	GOM_TRA_1PNPDE20100522_042219_000000382089_00362_43001_3242.N1	22-MAY-2010 04:22:19	Bright	38.000	68	18Alp Cas	2.2250	4500.0	76	43001	No
57	GOM_TRA_1PNPDE20100522_043059_000000472089_00362_43001_3243.N1	22-MAY-2010 04:30:59	Tw_i_and_stray	47.000	58	21Alp And	2.0730	11000.	94	43001	No
58	GOM_TRA_1PNPDE20100522_043521_000000472089_00362_43001_3244.N1	22-MAY-2010 04:35:21	Dark	46.500	140	88Gam Peg	2.8340	26000.	93	43001	No
59	GOM_TRA_1PNPDE20100522_045125_000000522089_00362_43001_3245.N1	22-MAY-2010 04:51:25	Dark	51.500	18	24Alp PsA	1.1660	9700.0	103	43001	No
60	GOM_TRA_1PNPDE20100522_050233_000000422089_00363_43002_3246.N1	22-MAY-2010 05:02:33	Dark	41.500	45	Alp Pav	1.9400	26000.	83	43002	No
61	GOM_TRA_1PNPDE20100522_050925_000000502089_00363_43002_3247.N1	22-MAY-2010 05:09:25	Straylight	50.000	141	Bet Ara	2.8400	4600.0	100	43002	No
62	GOM_TRA_1PNPDE20100522_051210_000000562089_00363_43002_3248.N1	22-MAY-2010 05:12:10	Straylight	56.000	40	The Sco	1.8590	7100.0	112	43002	No
63	GOM_TRA_1PNPDE20100522_051401_000000492089_00363_43002_3249.N1	22-MAY-2010 05:14:01	Straylight	48.500	25	35Lam Sco	1.6200	28000.	97	43002	No
64	GOM_TRA_1PNPDE20100522_051607_000000462089_00363_43002_3250.N1	22-MAY-2010 05:16:07	Tw_i_and_stray	46.000	75	26Eps Sco	2.2910	4250.0	92	43002	No
65	GOM_TRA_1PNPDE20100522_051901_000000532089_00363_43002_3251.N1	22-MAY-2010 05:19:01	Tw_i_and_stray	52.500	16	21Alp Sco	1.0200	3000.0	105	43002	No
66	GOM_TRA_1PNPDE20100522_052127_000000422089_00363_43002_3252.N1	22-MAY-2010 05:21:27	Bright	42.000	97	8Bet1Sco	2.5610	30000.	84	43002	No
67	GOM_TRA_1PNPDE20100522_052458_000000392089_00363_43002_3253.N1	22-MAY-2010 05:24:58	Bright	38.500	104	27Bet Lib	2.6140	13100.	77	43002	No
68	GOM_TRA_1PNPDE20100522_052648_000000462089_00363_43002_3254.N1	22-MAY-2010 05:26:48	Bright	46.000	120	1Del Oph	2.7340	3200.0	92	43002	No
69	GOM_TRA_1PNPDE20100522_052954_000000412089_00363_43002_3255.N1	22-MAY-2010 05:29:54	Bright	41.000	102	24Alp Ser	2.6000	4250.0	82	43002	No
70	GOM_TRA_1PNPDE20100522_053537_000000532089_00363_43002_3256.N1	22-MAY-2010 05:35:37	Bright	53.000	83		2.3780	11000.	106	43002	No
71	GOM_TRA_1PNPDE20100522_053846_000000362089_00363_43002_3257.N1	22-MAY-2010 05:38:46	Bright	36.000	180	27Gam Boo	3.0400	8000.0	72	43002	No



72	GOM_TRA_1PNPDE20100522_054700_000000422089_00363_43002_3258.N1	22-MAY-2010 05:47:00	Bright	41.500	119	14Eta Dra	2.7270	4700.0	83	43002	No
73	GOM_TRA_1PNPDE20100522_054900_000000382089_00363_43002_3259.N1	22-MAY-2010 05:49:00	Bright	38.000	60	7Bet UMi	2.0810	3950.0	76	43002	No
74	GOM_TRA_1PNPDE20100522_201738_000000492089_00372_43011_3355.N1	22-MAY-2010 20:17:38	Straylight	49.000	40	The Sco	1.8590	7100.0	98	43011	No
75	GOM_TRA_1PNPDE20100522_201929_000000502089_00372_43011_3356.N1	22-MAY-2010 20:19:29	Straylight	49.500	25	35Lam Sco	1.6200	28000.	99	43011	No
76	GOM_TRA_1PNPDE20100522_202133_000000512089_00372_43011_3357.N1	22-MAY-2010 20:21:33	Tw_i_and_stray	50.500	75	26Eps Sco	2.2910	4250.0	101	43011	No
77	GOM_TRA_1PNPDE20100522_202427_000000522089_00372_43011_3358.N1	22-MAY-2010 20:24:27	Bright	52.000	16	21Alp Sco	1.0200	3000.0	104	43011	No
78	GOM_TRA_1PNPDE20100522_202652_000000432089_00372_43011_3359.N1	22-MAY-2010 20:26:52	Bright	43.000	97	8Bet1Sco	2.5610	30000.	86	43011	No
79	GOM_TRA_1PNPDE20100522_203022_000000382089_00372_43011_3360.N1	22-MAY-2010 20:30:22	Bright	38.000	104	27Bet Lib	2.6140	13100.	76	43011	No
80	GOM_TRA_1PNPDE20100522_203211_000000452089_00372_43011_3361.N1	22-MAY-2010 20:32:11	Bright	44.500	120	1Del Oph	2.7340	3200.0	89	43011	No
81	GOM_TRA_1PNPDE20100522_203515_000000402089_00372_43011_3362.N1	22-MAY-2010 20:35:15	Bright	40.000	102	24Alp Ser	2.6000	4250.0	80	43011	No
82	GOM_TRA_1PNPDE20100522_204100_000000372089_00372_43011_3363.N1	22-MAY-2010 20:41:00	Bright	36.500	83		2.3780	11000.	73	43011	No
83	GOM_TRA_1PNPDE20100522_204410_000000362089_00372_43011_3364.N1	22-MAY-2010 20:44:10	Bright	36.000	180	27Gam Boo	3.0400	8000.0	72	43011	No
84	GOM_TRA_1PNPDE20100522_205220_000000432089_00372_43011_3365.N1	22-MAY-2010 20:52:20	Bright	42.500	119	14Eta Dra	2.7270	4700.0	85	43011	No
85	GOM_TRA_1PNPDE20100522_205422_000000392089_00372_43011_3366.N1	22-MAY-2010 20:54:22	Bright	38.500	60	7Bet UMi	2.0810	3950.0	77	43011	No
86	GOM_TRA_1PNPDE20100522_210706_000000352089_00372_43011_3367.N1	22-MAY-2010 21:07:06	Bright	34.500	76	27Gam Cas	2.3000	30000.	69	43011	No
87	GOM_TRA_1PNPDE20100522_210818_000000372089_00372_43011_3368.N1	22-MAY-2010 21:08:18	Bright	36.500	68	18Alp Cas	2.2250	4500.0	73	43011	No
88	GOM_TRA_1PNPDE20100522_211659_000000472089_00372_43011_3369.N1	22-MAY-2010 21:16:59	Tw_i_and_stray	47.000	58	21Alp And	2.0730	11000.	94	43011	No
89	GOM_TRA_1PNPDE20100522_212124_000000442089_00372_43011_3370.N1	22-MAY-2010 21:21:24	Dark	44.000	140	88Gam Peg	2.8340	26000.	88	43011	No
90	GOM_TRA_1PNPDE20100522_213734_000000512089_00372_43011_3377.N1	22-MAY-2010 21:37:34	Dark	50.500	18	24Alp PsA	1.1660	9700.0	101	43011	No
91	GOM_TRA_1PNPDE20100522_214136_000000582089_00372_43011_3378.N1	22-MAY-2010 21:41:36	Dark	58.000	63	Bet Gru	2.1500	2800.0	116	43011	No
92	GOM_TRA_1PNPDE20100522_214303_000000502089_00373_43012_3379.N1	22-MAY-2010 21:43:03	Dark	49.500	172	Gam Gru	3.0030	13100.	99	43012	No
93	GOM_TRA_1PNPDE20100522_214839_000000442089_00373_43012_3380.N1	22-MAY-2010 21:48:39	Dark	43.500	45	Alp Pav	1.9400	26000.	87	43012	No
94	GOM_TRA_1PNPDE20100522_215529_000000472089_00373_43012_3381.N1	22-MAY-2010 21:55:29	Straylight	46.500	141	Bet Ara	2.8400	4600.0	93	43012	No
95	GOM_TRA_1PNPDE20100522_215815_000000502089_00373_43012_3382.N1	22-MAY-2010 21:58:15	Straylight	49.500	40	The Sco	1.8590	7100.0	99	43012	No
96	GOM_TRA_1PNPDE20100522_220006_000000522089_00373_43012_3383.N1	22-MAY-2010 22:00:06	Straylight	51.500	25	35Lam Sco	1.6200	28000.	103	43012	No
97	GOM_TRA_1PNPDE20100522_220210_000000482089_00373_43012_3384.N1	22-MAY-2010 22:02:10	Tw_i_and_stray	47.500	75	26Eps Sco	2.2910	4250.0	95	43012	No
98	GOM_TRA_1PNPDE20100522_220503_000000572089_00373_43012_3385.N1	22-MAY-2010 22:05:03	Bright	57.000	16	21Alp Sco	1.0200	3000.0	114	43012	No
99	GOM_TRA_1PNPDE20100522_220728_000000432089_00373_43012_3386.N1	22-MAY-2010 22:07:28	Bright	43.000	97	8Bet1Sco	2.5610	30000.	86	43012	No
100	GOM_TRA_1PNPDE20100522_221058_000000382089_00373_43012_3387.N1	22-MAY-2010 22:10:58	Bright	38.000	104	27Bet Lib	2.6140	13100.	76	43012	No
101	GOM_TRA_1PNPDE20100522_221246_000000452089_00373_43012_3388.N1	22-MAY-2010 22:12:46	Bright	44.500	120	1Del Oph	2.7340	3200.0	89	43012	No
102	GOM_TRA_1PNPDE20100522_221551_000000402089_00373_43012_3389.N1	22-MAY-2010 22:15:51	Bright	40.000	102	24Alp Ser	2.6000	4250.0	80	43012	No
103	GOM_TRA_1PNPDE20100522_222136_000000362089_00373_43012_3390.N1	22-MAY-2010 22:21:36	Bright	36.000	83		2.3780	11000.	72	43012	No
104	GOM_TRA_1PNPDE20100522_222445_000000372089_00373_43012_3391.N1	22-MAY-2010 22:24:45	Bright	37.000	180	27Gam Boo	3.0400	8000.0	74	43012	No
105	GOM_TRA_1PNPDE20100522_223255_000000432089_00373_43012_3392.N1	22-MAY-2010 22:32:55	Bright	42.500	119	14Eta Dra	2.7270	4700.0	85	43012	No
106	GOM_TRA_1PNPDE20100522_223458_000000402089_00373_43012_3393.N1	22-MAY-2010 22:34:58	Bright	40.000	60	7Bet UMi	2.0810	3950.0	80	43012	No
107	GOM_TRA_1PNPDE20100522_224742_000000482089_00373_43012_3394.N1	22-MAY-2010 22:47:42	Bright	48.000	76	27Gam Cas	2.3000	30000.	96	43012	No
108	GOM_TRA_1PNPDE20100522_224854_000000392089_00373_43012_3395.N1	22-MAY-2010 22:48:54	Bright	38.500	68	18Alp Cas	2.2250	4500.0	77	43012	No
109	GOM_TRA_1PNPDE20100522_225736_000000492089_00373_43012_3396.N1	22-MAY-2010 22:57:36	Tw_i_and_stray	48.500	58	21Alp And	2.0730	11000.	97	43012	No
110	GOM_TRA_1PNPDE20100522_230200_000000462089_00373_43012_3397.N1	22-MAY-2010 23:02:00	Dark	46.000	140	88Gam Peg	2.8340	26000.	92	43012	No
111	GOM_TRA_1PNPDE20100522_231811_000000522089_00373_43012_3395.N1	22-MAY-2010 23:18:11	Dark	51.500	18	24Alp PsA	1.1660	9700.0	103	43012	No
112	GOM_TRA_1PNPDE20100522_232213_000000582089_00373_43012_3396.N1	22-MAY-2010 23:22:13	Dark	58.000	63	Bet Gru	2.1500	2800.0	116	43012	No
113	GOM_TRA_1PNPDE20100522_232340_000000482089_00374_43013_3397.N1	22-MAY-2010 23:23:40	Dark	48.000	172	Gam Gru	3.0030	13100.	96	43013	No
114	GOM_TRA_1PNPDE20100522_232916_000000432089_00374_43013_3398.N1	22-MAY-2010 23:29:16	Dark	43.000	45	Alp Pav	1.9400	26000.	86	43013	No
115	GOM_TRA_1PNPDE20100522_233606_000000432089_00374_43013_3399.N1	22-MAY-2010 23:36:06	Straylight	42.500	141	Bet Ara	2.8400	4600.0	85	43013	No
116	GOM_TRA_1PNPDE20100522_233851_000000492089_00374_43013_3400.N1	22-MAY-2010 23:38:51	Straylight	49.000	40	The Sco	1.8590	7100.0	98	43013	No
117	GOM_TRA_1PNPDE20100522_234042_000000512089_00374_43013_3401.N1	22-MAY-2010 23:40:42	Straylight	50.500	25	35Lam Sco	1.6200	28000.	101	43013	No
118	GOM_TRA_1PNPDE20100522_234246_00000052089_00374_43013_3402.N1	22-MAY-2010 23:42:46	Tw_i_and_stray	54.500	75	26Eps Sco	2.2910	4250.0	109	43013	No
119	GOM_TRA_1PNPDE20100522_234539_000000602089_00374_43013_3403.N1	22-MAY-2010 23:45:39	Bright	60.000	16	21Alp Sco	1.0200	3000.0	120	43013	No
120	GOM_TRA_1PNPDE20100522_234804_000000442089_00374_43013_3404.N1	22-MAY-2010 23:48:04	Bright	43.500	97	8Bet1Sco	2.5610	30000.	87	43013	No
121	GOM_TRA_1PNPDE20100522_235134_000000362089_00374_43013_3405.N1	22-MAY-2010 23:51:34	Bright	36.000	104	27Bet Lib	2.6140	13100.	72	43013	No
122	GOM_TRA_1PNPDE20100522_235322_000000452089_00374_43013_3406.N1	22-MAY-2010 23:53:22	Bright	44.500	120	1Del Oph	2.7340	3200.0	89	43013	No
123	GOM_TRA_1PNPDE20100522_235627_000000412089_00374_43013_3407.N1	22-MAY-2010 23:56:27	Bright	40.500	102	24Alp Ser	2.6000	4250.0	81	43013	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).

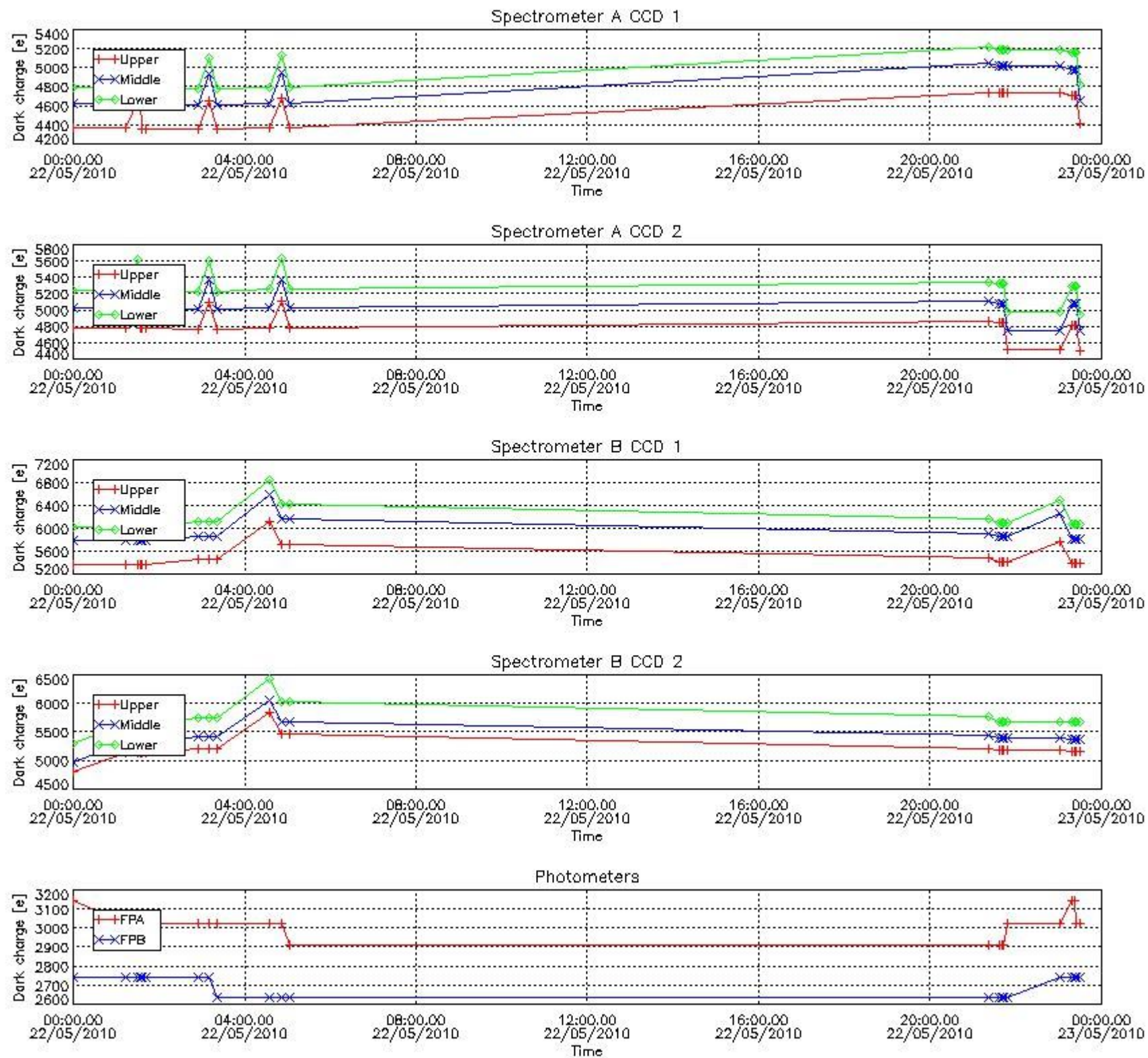
In this section a list of products that did not use the Dark Sky Area (DSA) observation for the DC computation is given. It is also provided the mean DC plot per product for dark limb products with no error flag set.

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

Product name	DC information
GOM_TRA_1PNPDE20100522_201738_000000492089_00372_43011_3355.N1	DC map used
GOM_TRA_1PNPDE20100522_201929_000000502089_00372_43011_3356.N1	DC map used
GOM_TRA_1PNPDE20100522_202133_000000512089_00372_43011_3357.N1	DC map used
GOM_TRA_1PNPDE20100522_202427_000000522089_00372_43011_3358.N1	DC map used
GOM_TRA_1PNPDE20100522_202652_000000432089_00372_43011_3359.N1	DC map used
GOM_TRA_1PNPDE20100522_203022_000000382089_00372_43011_3360.N1	DC map used
GOM_TRA_1PNPDE20100522_203211_000000452089_00372_43011_3361.N1	DC map used
GOM_TRA_1PNPDE20100522_203515_000000402089_00372_43011_3362.N1	DC map used
GOM_TRA_1PNPDE20100522_204100_000000372089_00372_43011_3363.N1	DC map used
GOM_TRA_1PNPDE20100522_204410_000000362089_00372_43011_3364.N1	DC map used
GOM_TRA_1PNPDE20100522_205220_000000432089_00372_43011_3365.N1	DC map used
GOM_TRA_1PNPDE20100522_205422_000000392089_00372_43011_3366.N1	DC map used
GOM_TRA_1PNPDE20100522_210706_000000352089_00372_43011_3367.N1	DC map used
GOM_TRA_1PNPDE20100522_210818_000000372089_00372_43011_3368.N1	DC map used

GOM_TRA_1PNPDE20100522_211659_000000472089_00372_43011_3369.N1	DC map used
GOM_TRA_1PNPDE20100522_212124_000000442089_00372_43011_3370.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

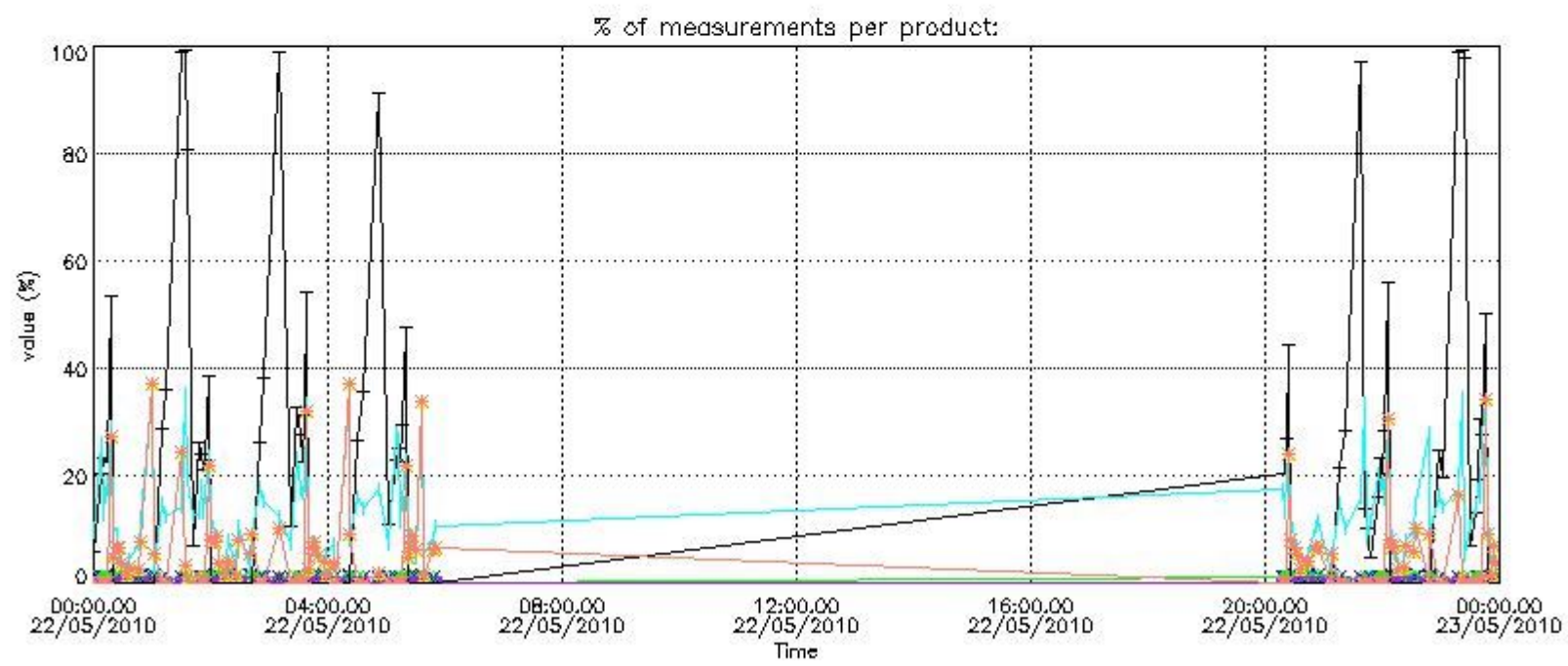
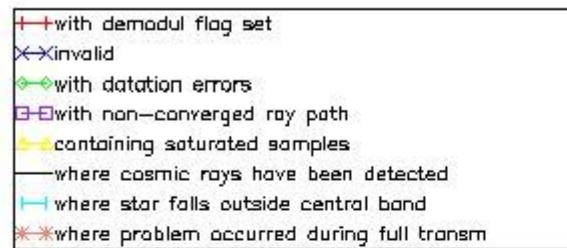
In this section it is presented the modulation information extracted from the pcd (product confidence data) at measurement level and information extracted from the Quality Summary dataset. Only products without errors (error flag in the MPH set to "0") are used.



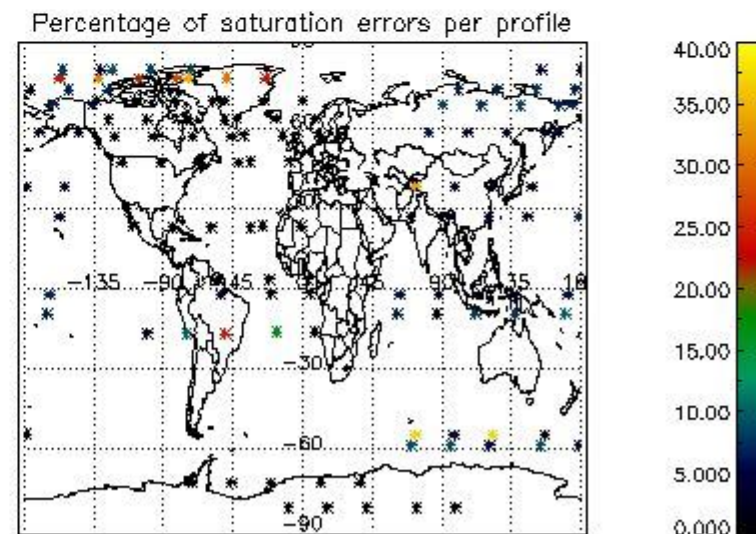
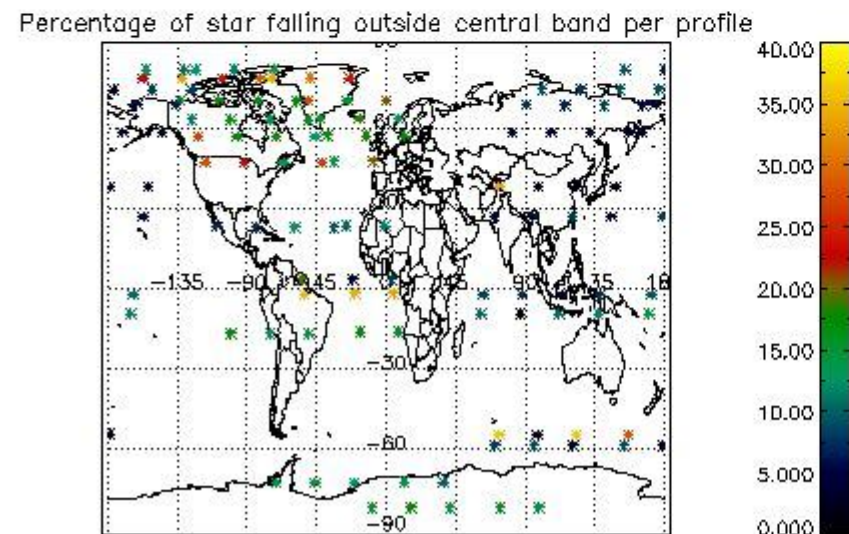
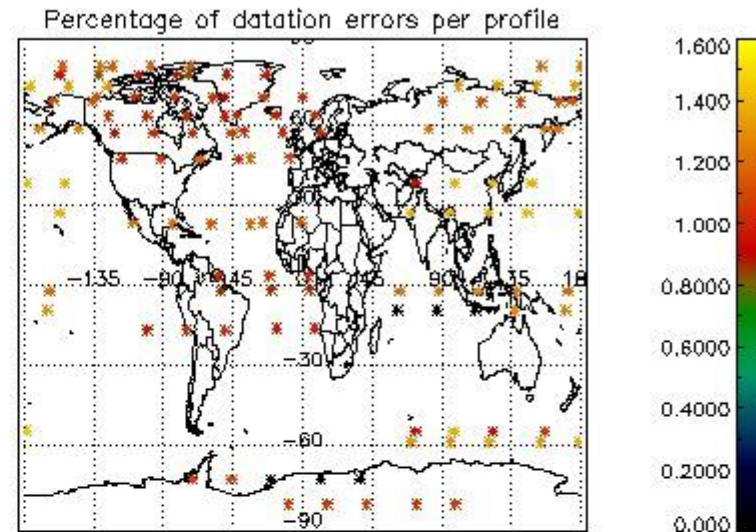
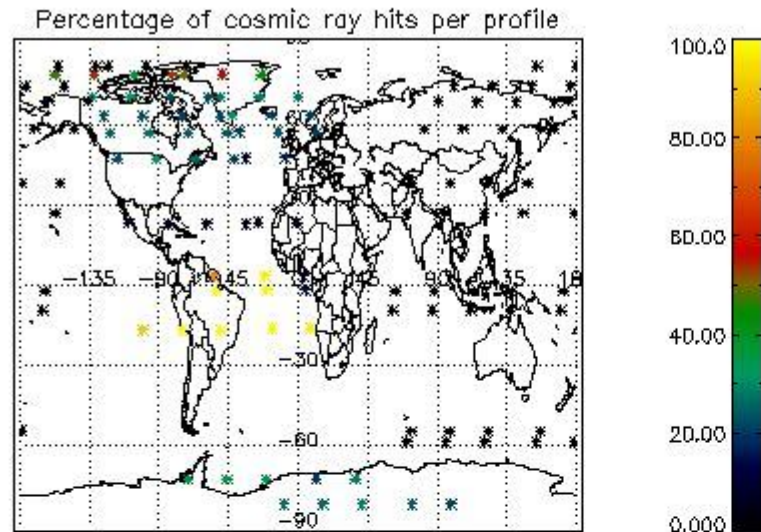
5.1 Percentage of products during reporting period with:

At least one measurement with demodulation flag set:	44.7154 %
Reference spectrum computed from DB:	0.00000 %
Reference spectrum with small number of measurements:	0.00000 %
SATU data not used:	0.00000 %

5.2 Plot quality information per product (time dependant)



5.3 Plot quality information per product (world map)



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

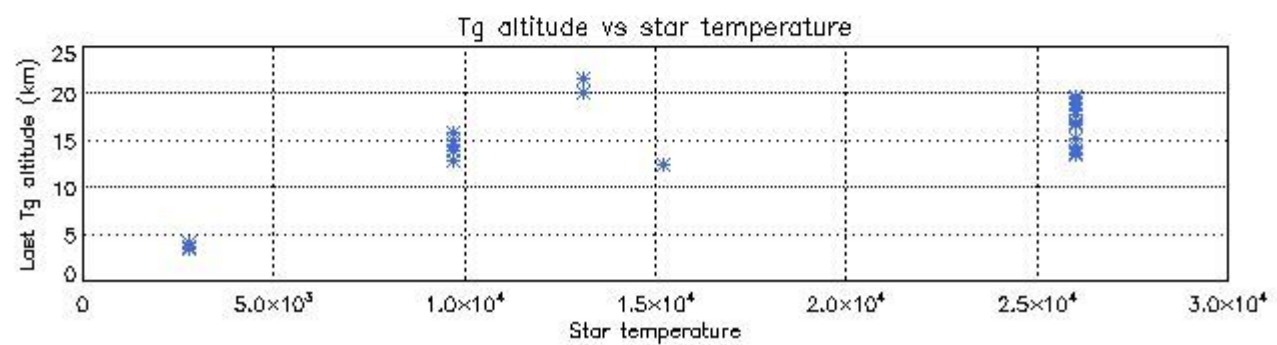
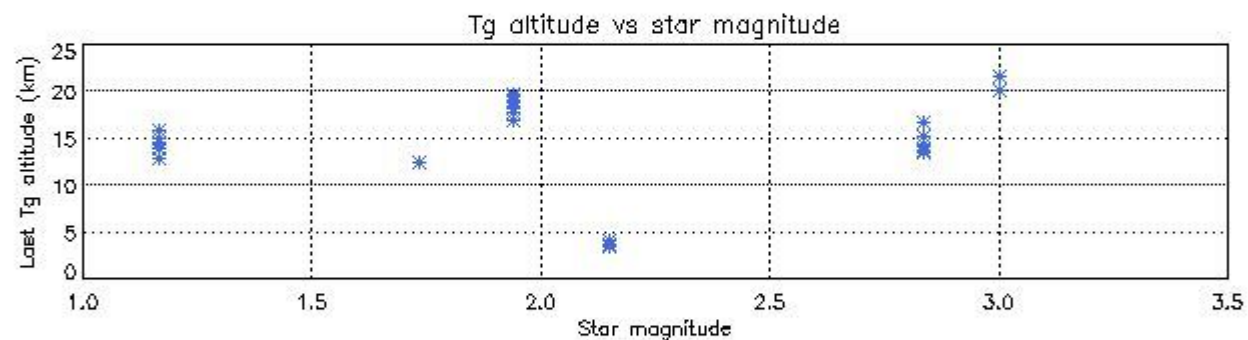
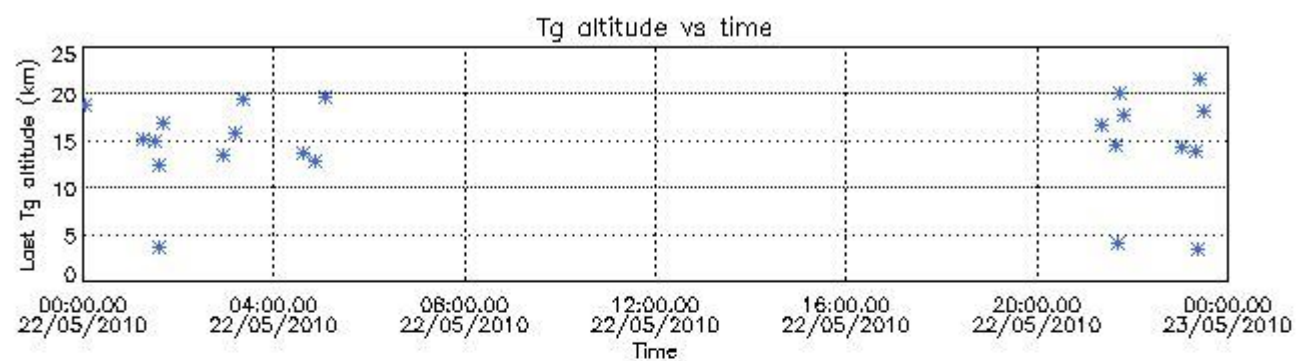
### 6.1 Statistics on tangent altitude lost:

Statistics	DARK	BRIGHT	TWILIGHT
Mean:	14.588	19.039	NaN
St. deviation:	5.1274	5.1582	NaN
Maximum:	21.664	27.415	NaN
Minimum:	3.3658	3.6256	NaN
Number of data:	22.000	65.000	NaN

### 6.2 Plot for DARK limb products

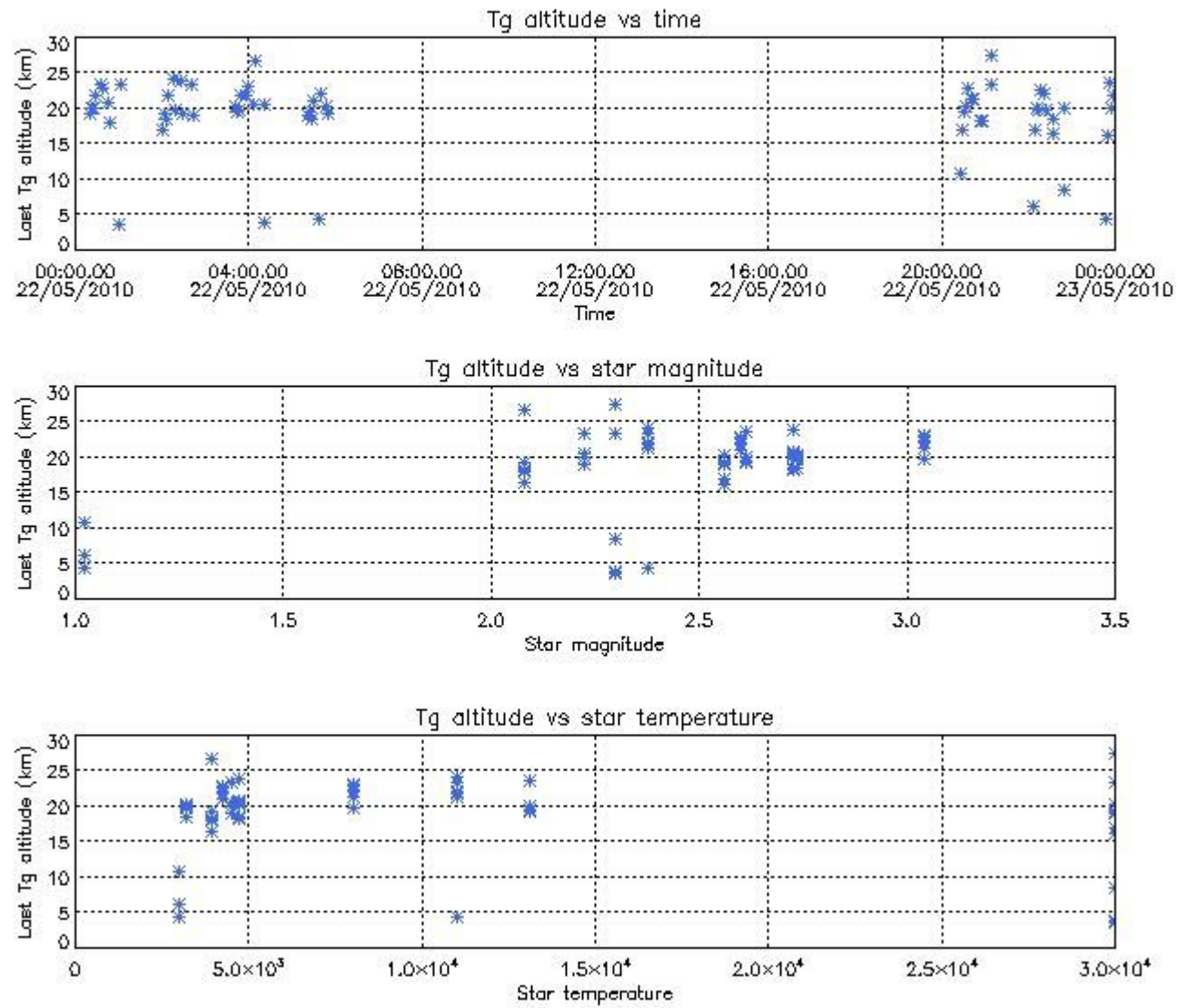


Tangent altitude at which the star is lost



6.3 Plot for BRIGHT limb products

Tangent altitude at which the star is lost

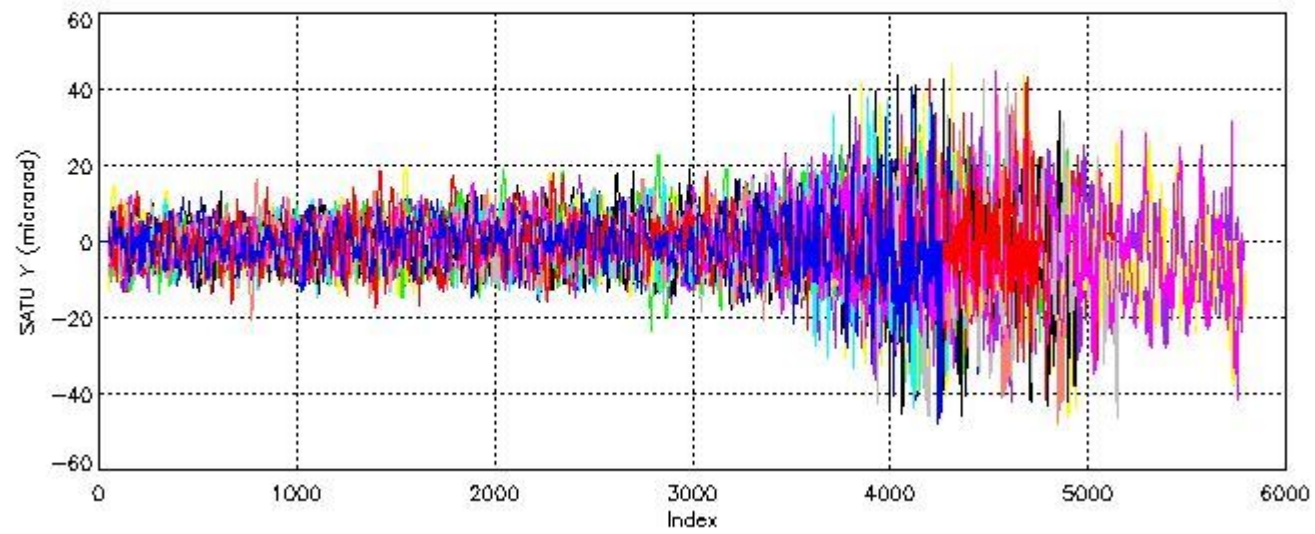
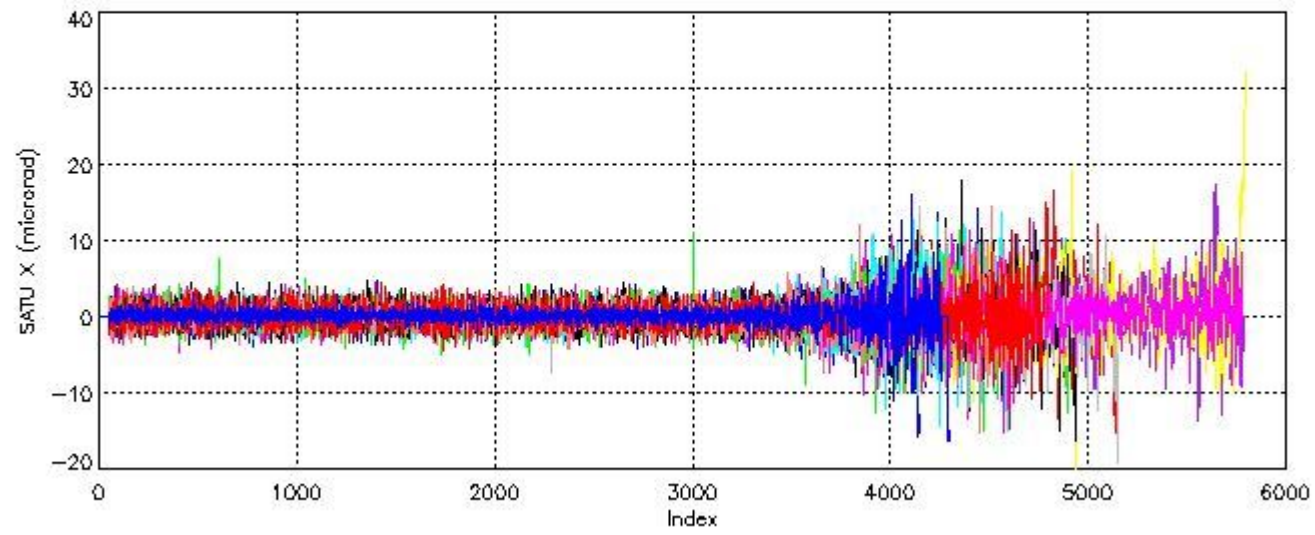


## 7. Star Acquisition and Tracking Unit (SATU)

The Star Acquisition and Tracking Unit (SATU) analyses the position of the tracked star beam collected by the GOMOS telescope and deflected by the optical beam dispatcher. The main function of the SATU is to detect a star, provide its image position to the science data electronics and to help the pointing function to keep the star image at a fixed position. In tracking mode the SATU data is recorded with a frequency of 100 Hz.

### 7.1 SATU 'X' and 'Y' axis plots (dark limb)

SATU CCD 'X' and 'Y' axis plots are provided in order to detect any abnormal behaviour of the tracking system. For every occultation (color) the plot should remain stable (with some noise) until we are deep in the atmosphere where big fluctuations are registered due to the refractive effects.



## 7.2 Statistics on SATU Noise Equivalent Angle (NEA) for DARK (D) and BRIGHT (B) products above 105 kms

The Star Acquisition and Tracking Unit (it is the CCD that tracks the star while it is occulted) Noise Equivalent Angle consists of the statistical angular variation of the SATU data above the atmosphere.

Statistics (in microradians) above 105 km are computed for every occultation, giving four values per occultation: one in the 'X' direction and one in the 'Y' direction for dark and bright limbs. A mean value per day in every direction and limb is calculated and monitored in order to assess instrument performance in terms of star pointing.

### 7.2.1 SATU NEA Statistics (table)

Statistics	SATU X (D)	SATU Y (D)	SATU X (B)	SATU Y (B)
Mean:	0.20397	-0.86088	0.19936	-0.96348
St. deviation:	0.69166	4.0799	0.77131	3.9424
Maximum:	7.6000	16.300	5.3000	15.700
Minimum:	-4.7000	-20.600	-5.4000	-19.700



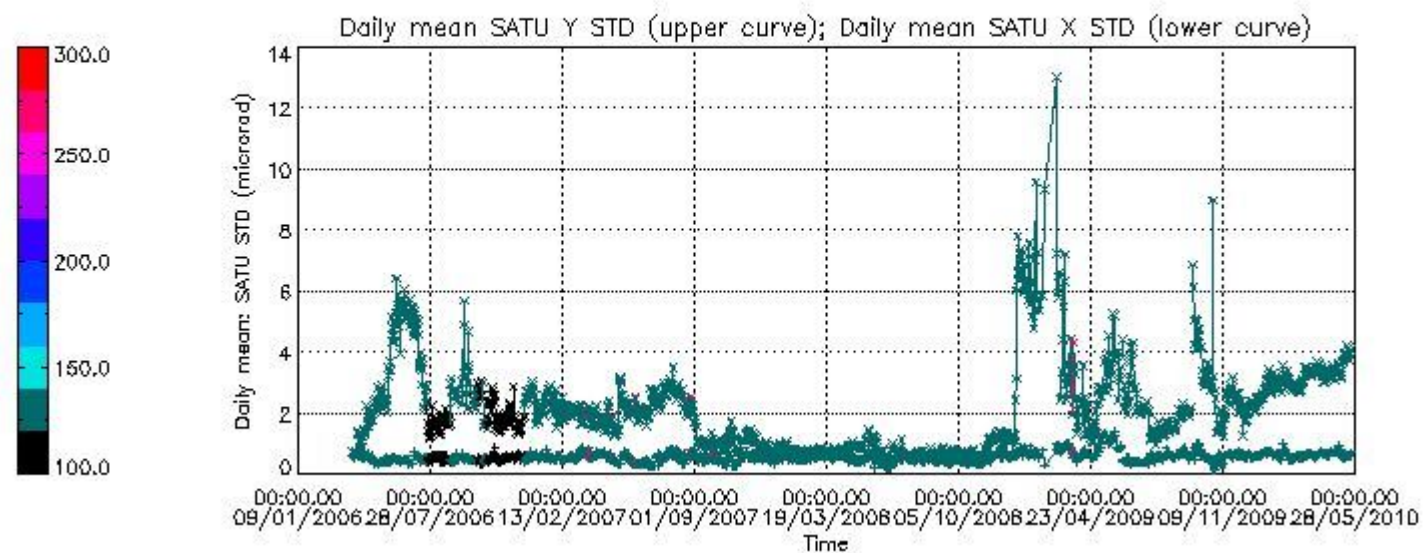
Number of data:	22600.	22600.	60250.	60250.
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### 7.2.2 Trend of daily SATU NEA St. deviation since 1st April 2006 (dark limb)

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.

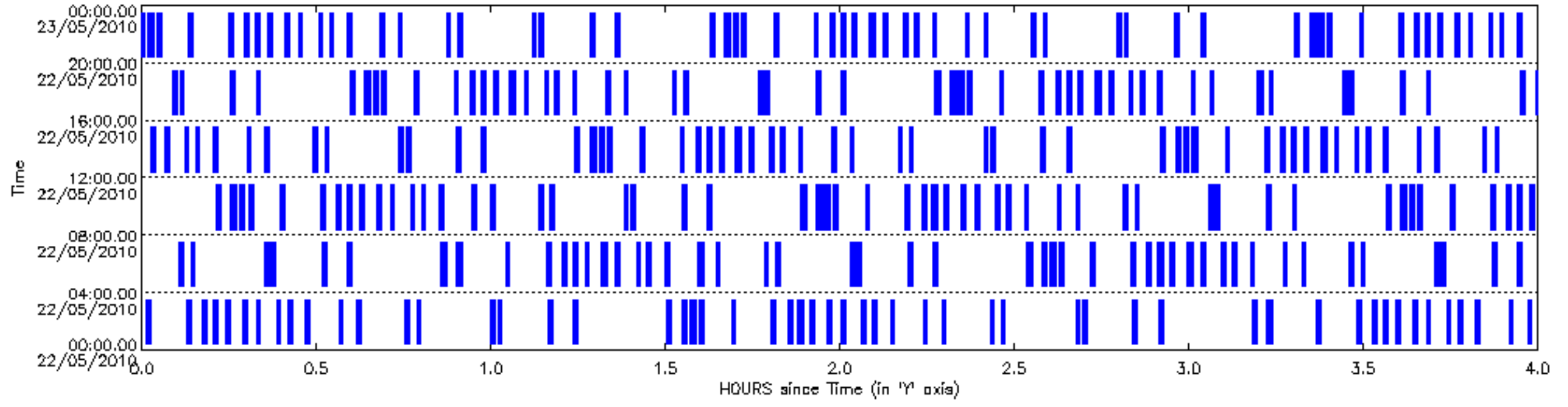
Upper curve: STD of SATU Y axis  
Lower curve: STD of SATU X axis

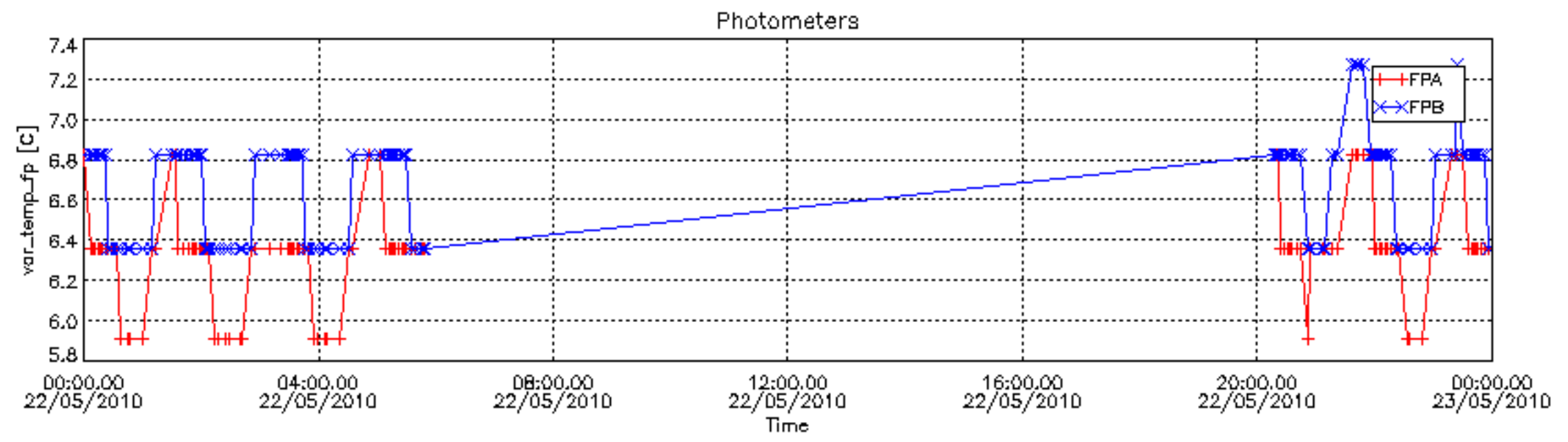
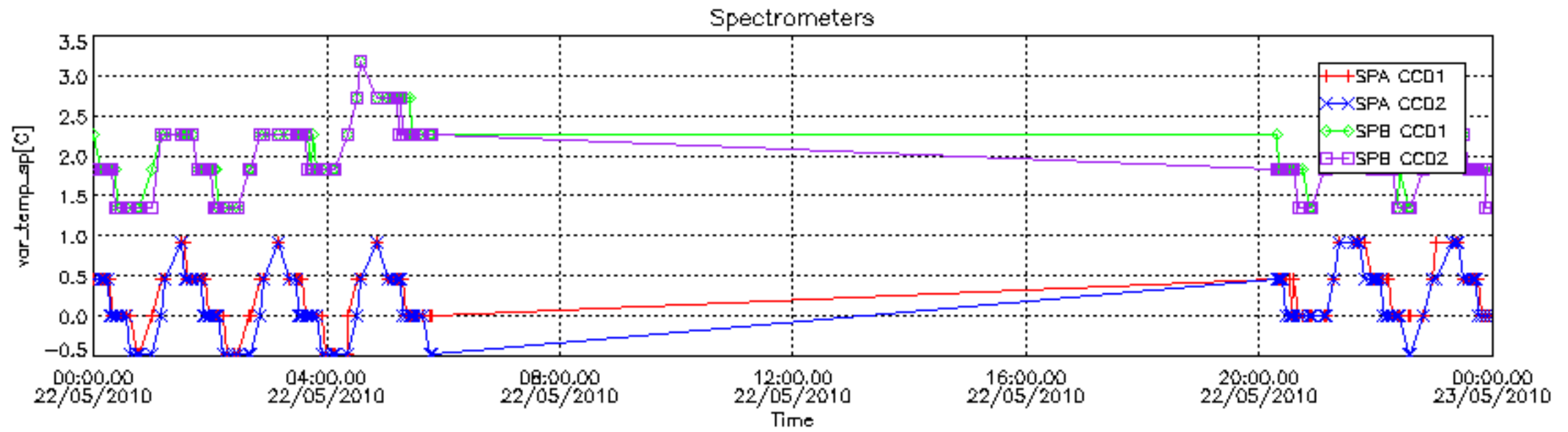


### 8. Auxiliary Data Files used for the production reported in section 2.4

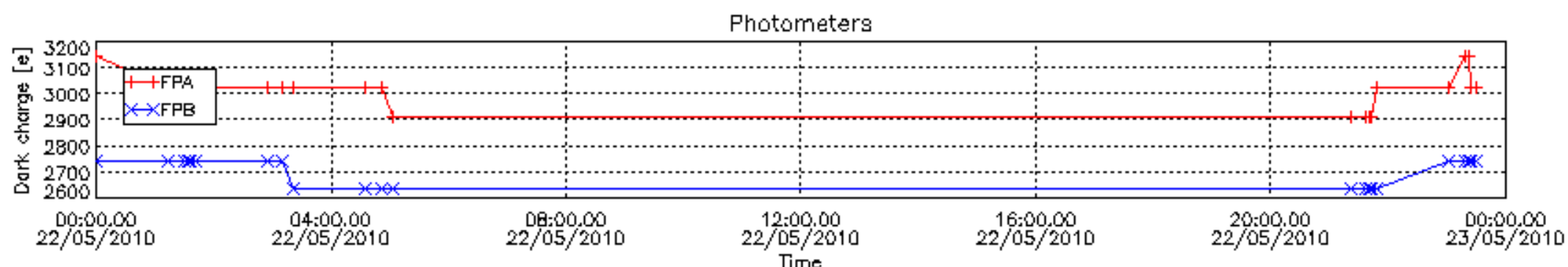
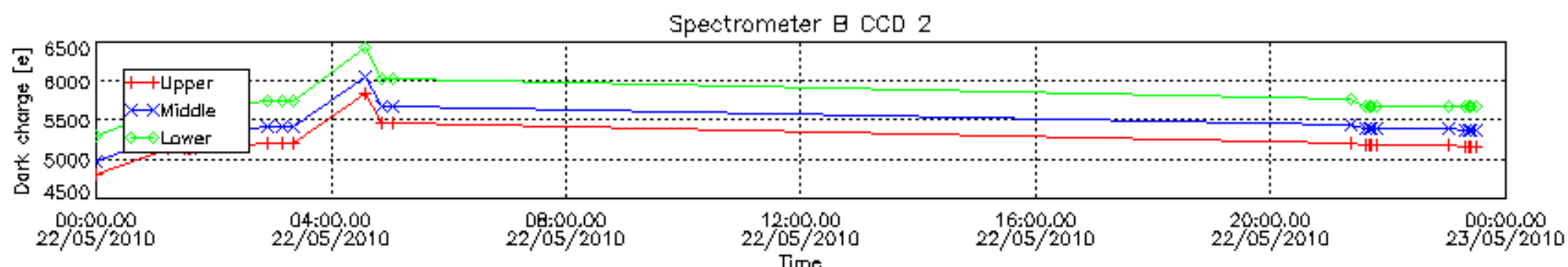
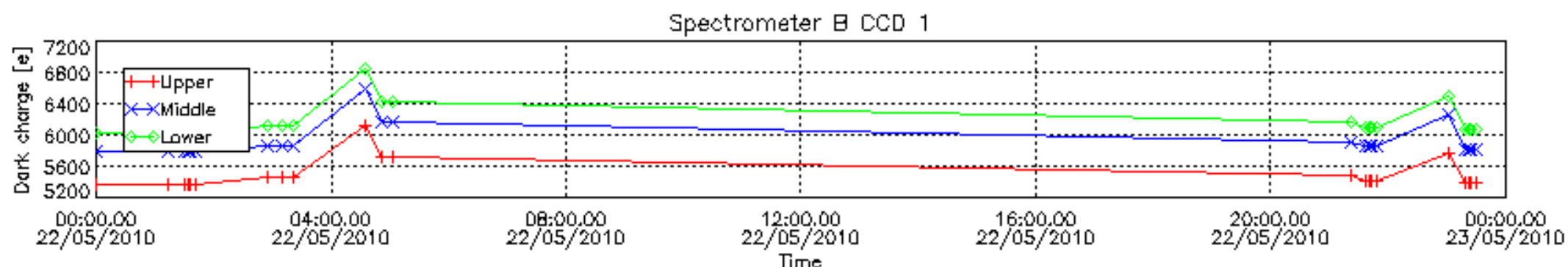
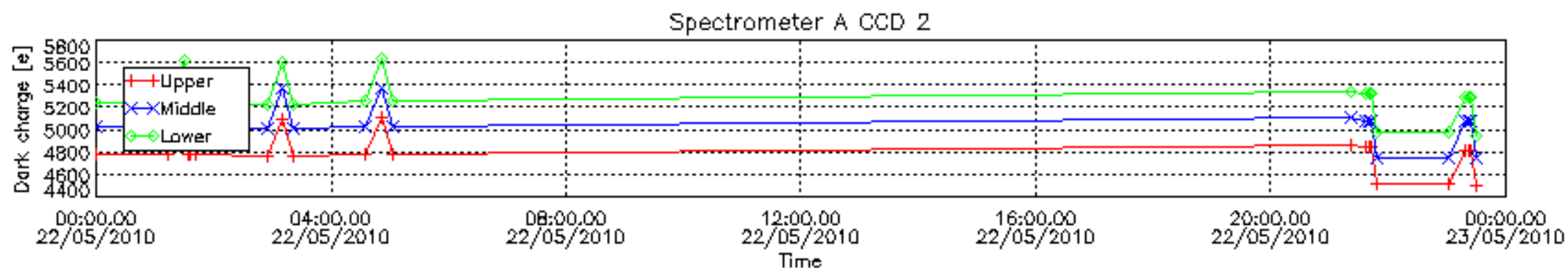
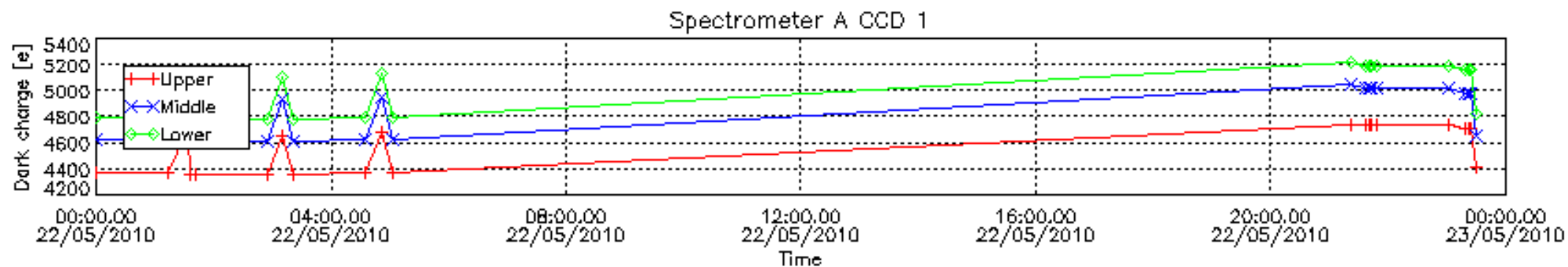
The number reported in the third column indicates since which file (see list in section 2.4) the corresponding auxiliary file has been used. The fourth column is the date of those product files.

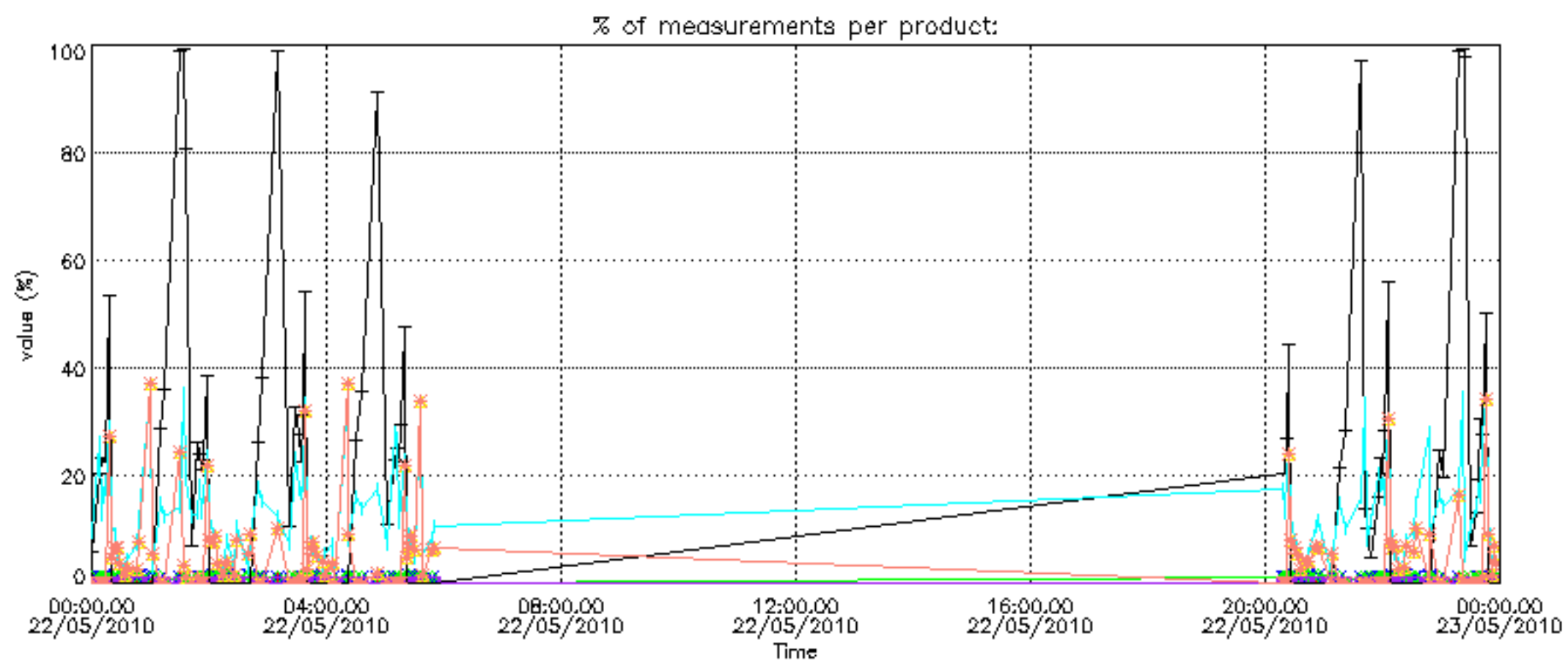
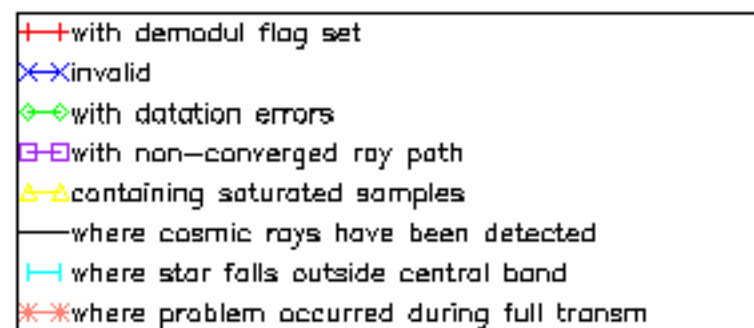
Type	Auxiliary Filename	Used since product	Used since product date
INST_PHYS_CHARACTERISTICS	GOM_INS_AXVIEC20091111_143220_20030716_120000_20500101_000000	1	22-MAY-2010 00:00:43
CALIBRATION_DATABASE	GOM_CAL_AXVIEC20100518_092709_20100516_000000_20500101_000000	1	22-MAY-2010 00:00:43
LEVEL-1B_PROC_CONFIG	GOM_PR1_AXVIEC20091111_145255_20020301_000000_20500101_000000	1	22-MAY-2010 00:00:43
STAR_CATALOGUE	GOM_CAT_AXVIEC20020121_161009_20020101_000000_20200101_000000	1	22-MAY-2010 00:00:43
STELLAR_SPECTRA_DATABANK	GOM_STS_AXVIEC20091111_151504_20020101_160000_20500101_000000	1	22-MAY-2010 00:00:43
ECMWF_FILE	AUX_ECF_AXNECM20100521_054115_20100521_210000_20100522_090000	1	22-MAY-2010 00:00:43
ECMWF_FILE	AUX_ECF_AXNECM20100521_172116_20100522_030000_20100522_150000	55	22-MAY-2010 04:21:07
ECMWF_FILE	AUX_ECF_AXNECM20100522_054114_20100522_150000_20100523_030000	74	22-MAY-2010 20:17:38
ECMWF_FILE	AUX_ECF_AXNECM20100522_054114_20100522_210000_20100523_090000	90	22-MAY-2010 21:37:34
OPTIONAL_ECMWF_FILE	MISSING	1	22-MAY-2010 00:00:43
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20100521_234247_000054192089_00359_42998_0397.N1	1	22-MAY-2010 00:00:43
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20100522_011825_000041442089_00360_42999_0398.N1	19	22-MAY-2010 01:30:11
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20100522_023248_000057382089_00361_43000_0399.N1	36	22-MAY-2010 02:40:31
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20100522_041345_000057382089_00362_43001_0400.N1	55	22-MAY-2010 04:21:07
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20100522_201526_000038252089_00372_43011_0401.N1	74	22-MAY-2010 20:17:38
ORBIT_DATA_FILE	AUX_FPO_AXVPDS20100521_092114_20100520_192407_20100530_205020	90	22-MAY-2010 21:37:34



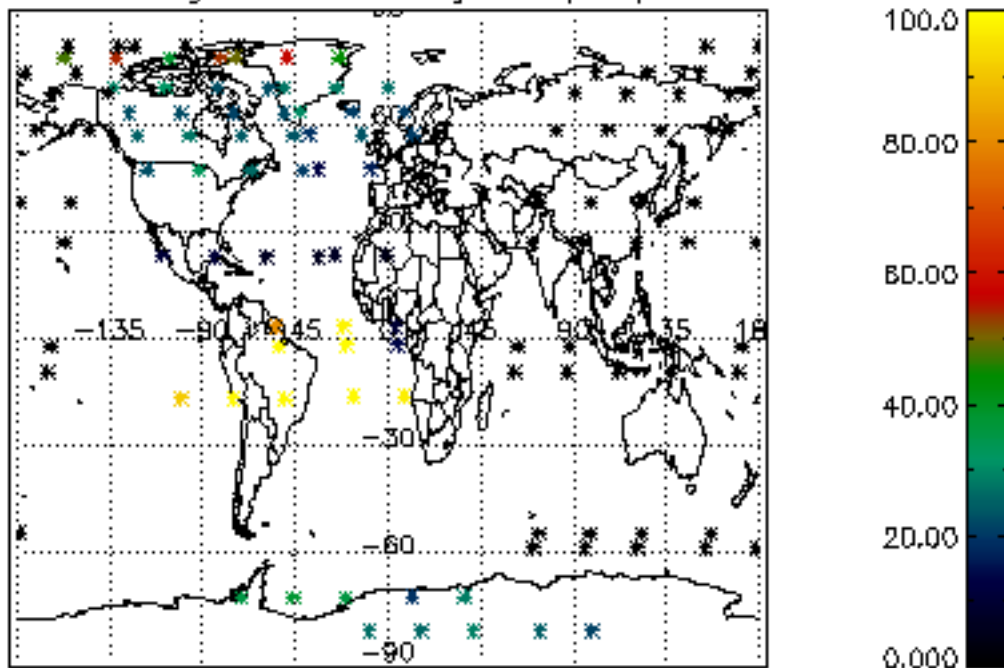




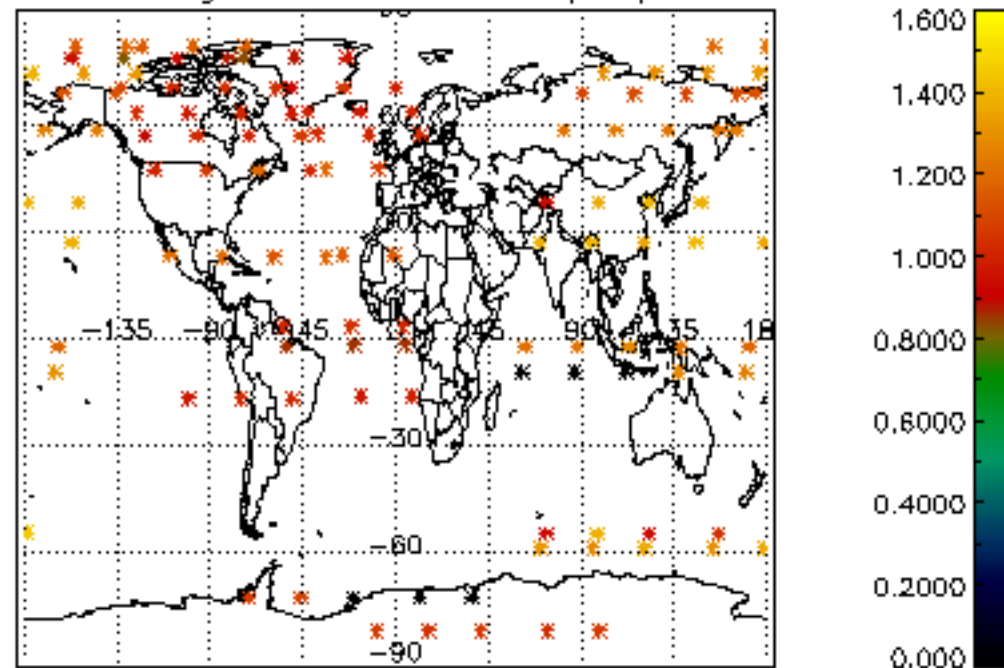




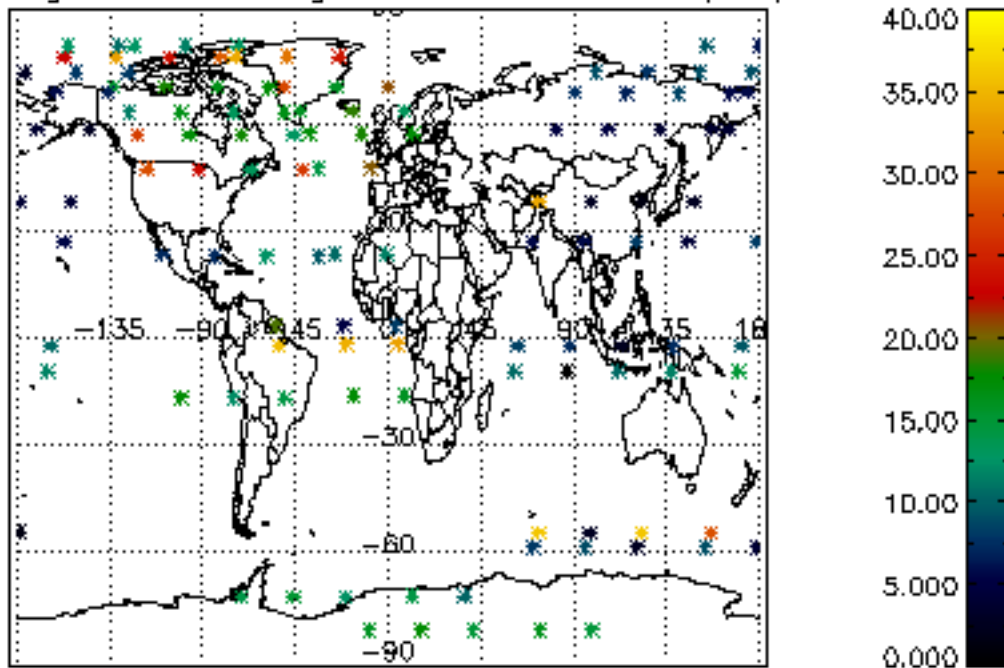
Percentage of cosmic ray hits per profile



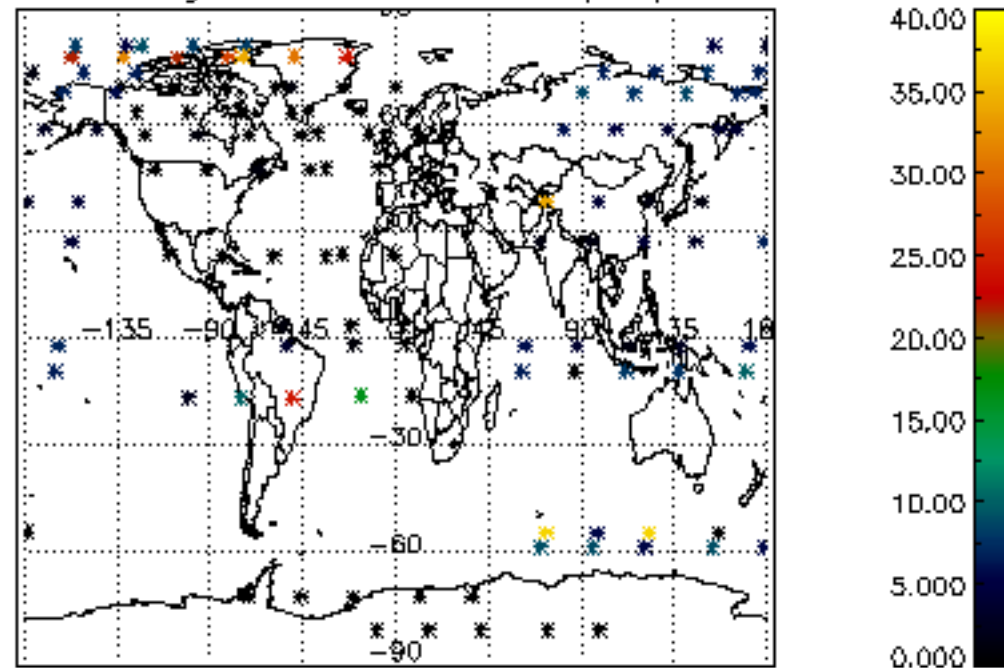
Percentage of datation errors per profile



Percentage of star falling outside central band per profile

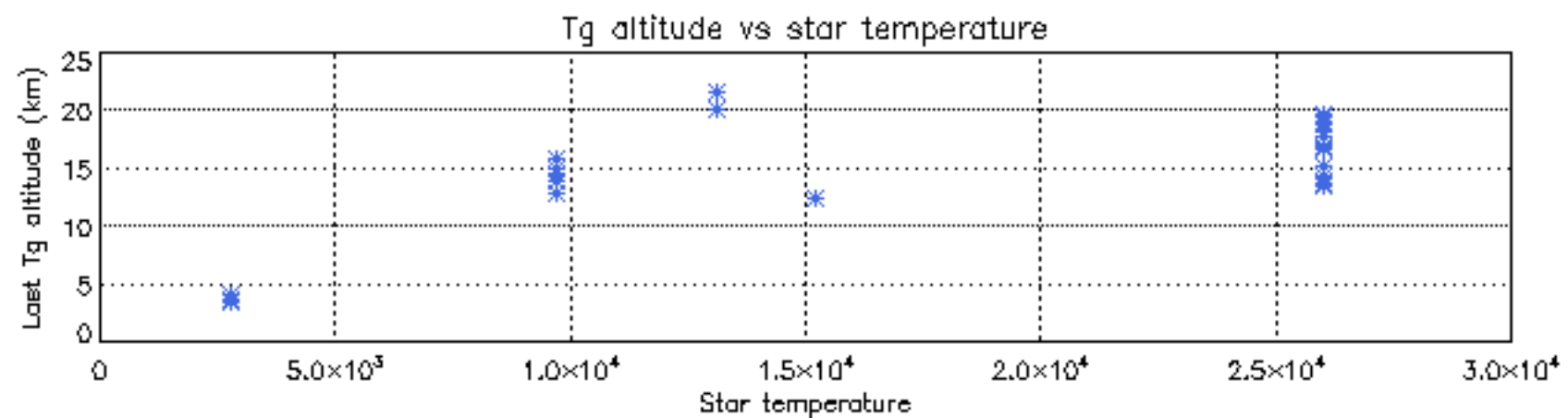
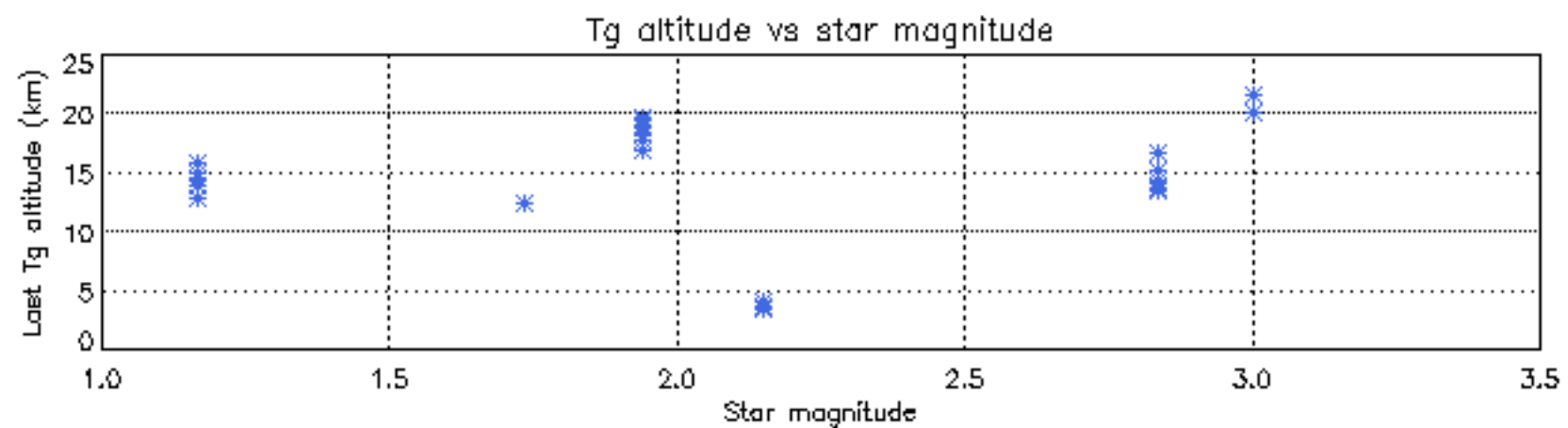
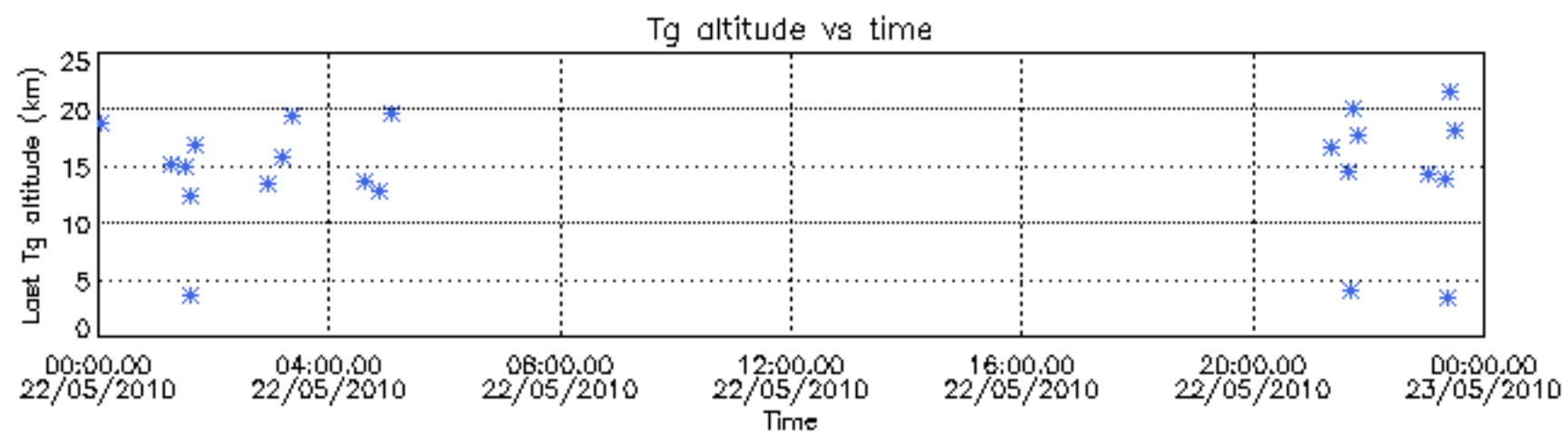


Percentage of saturation errors per profile

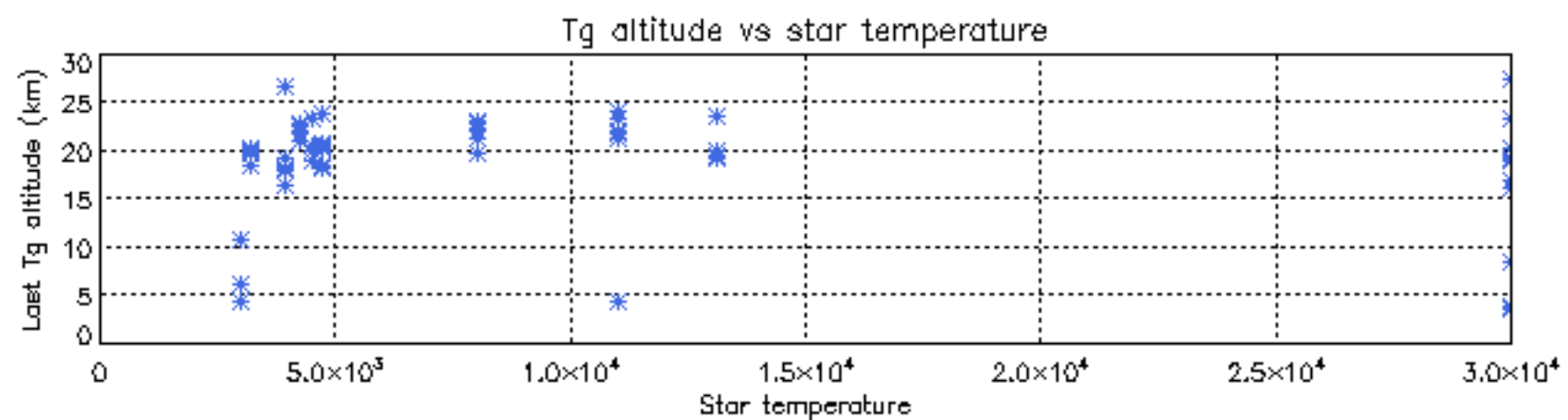
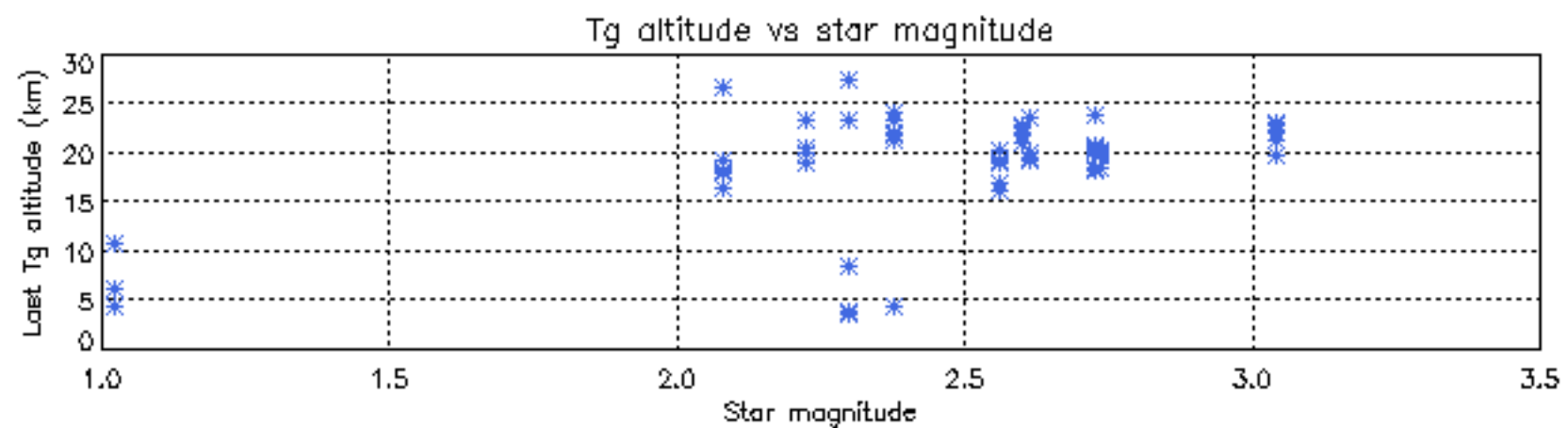
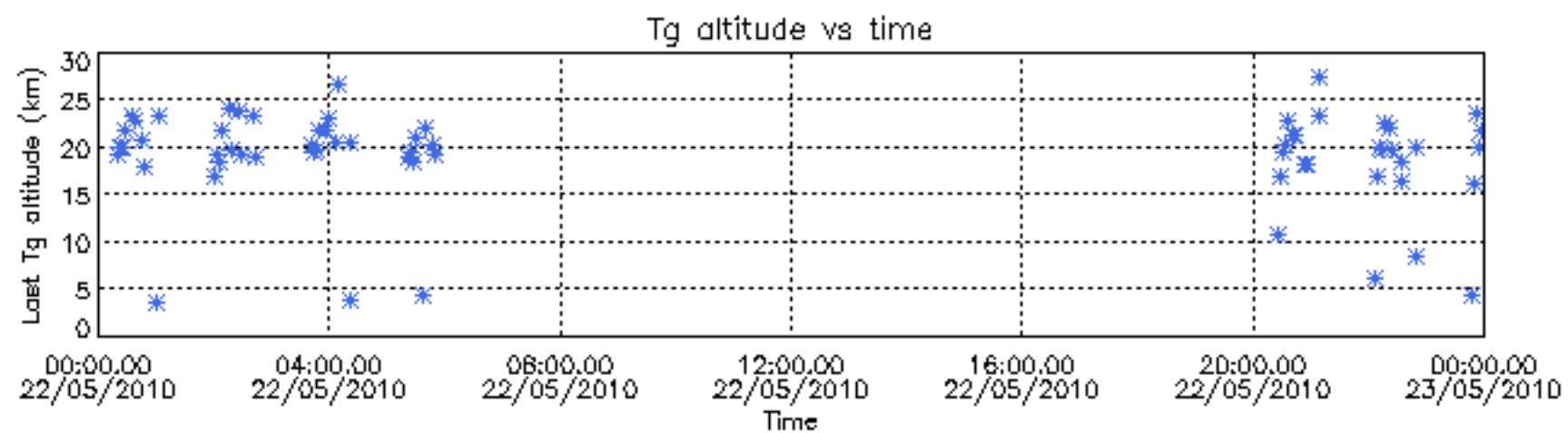


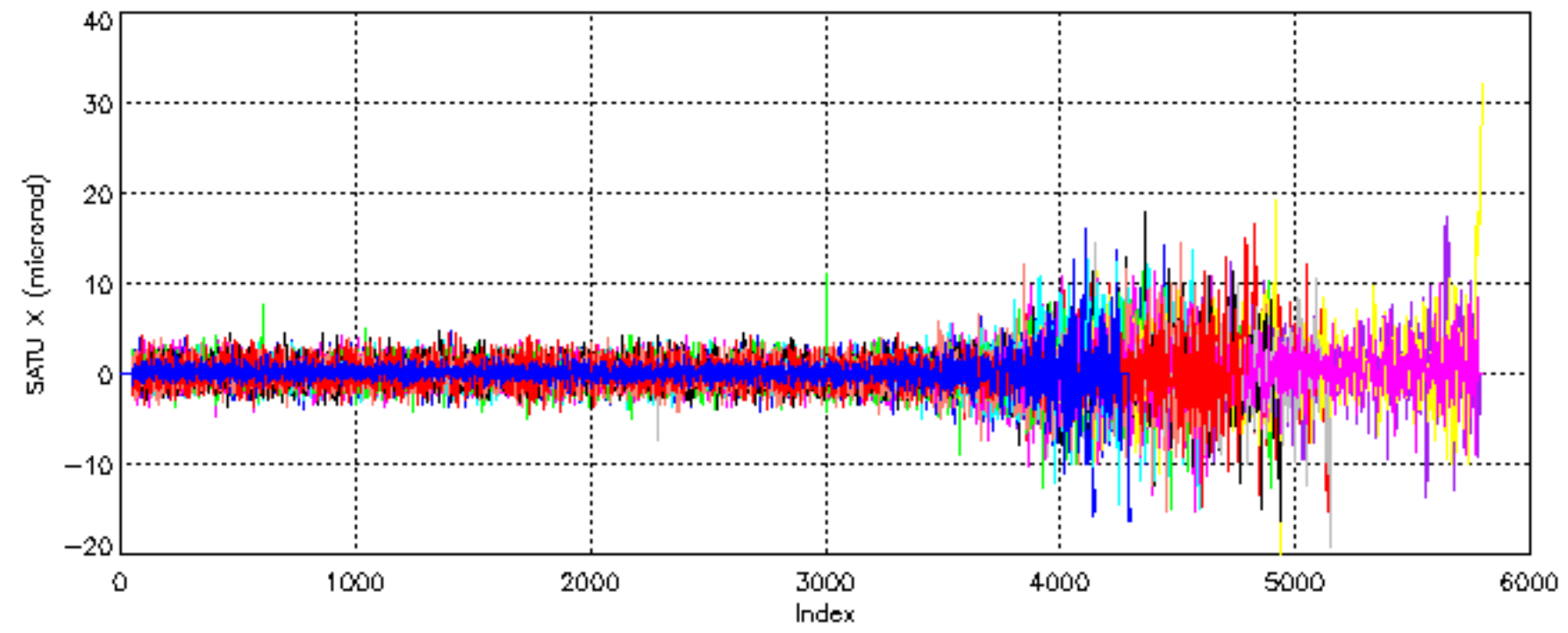


Tangent altitude at which the star is lost

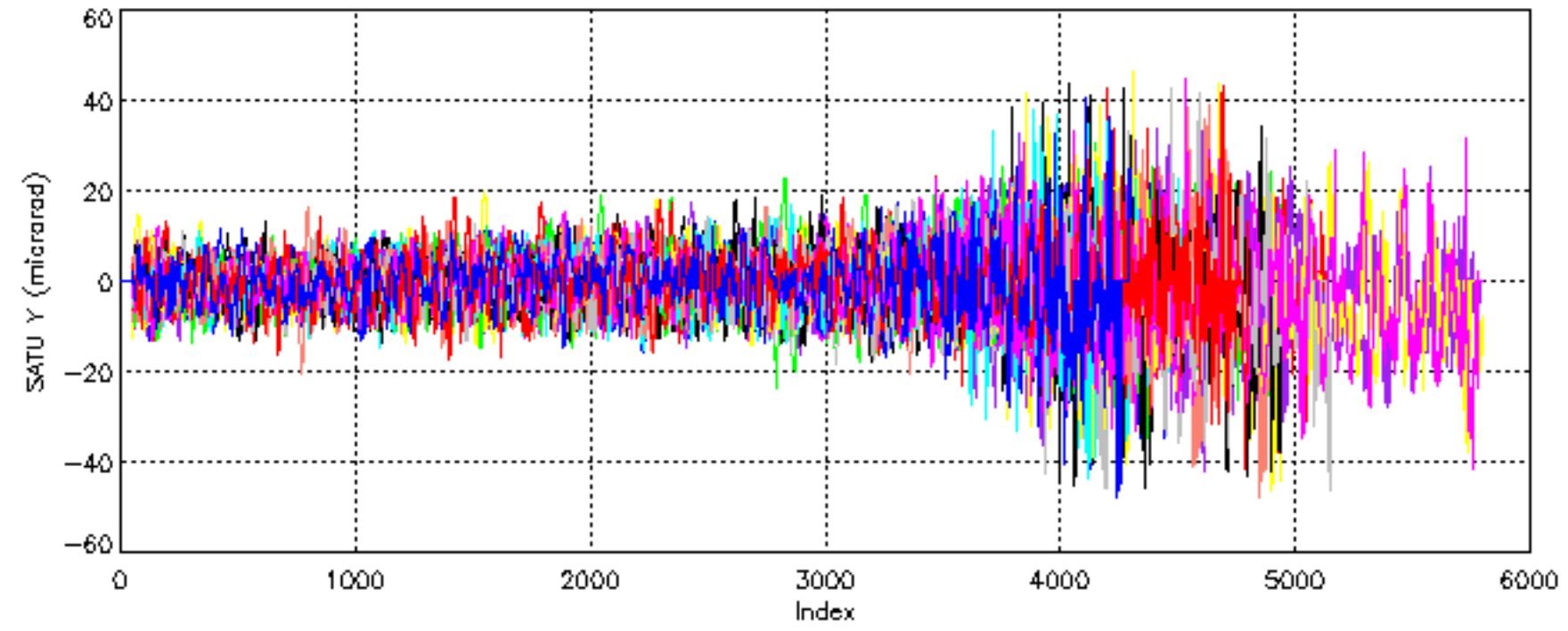


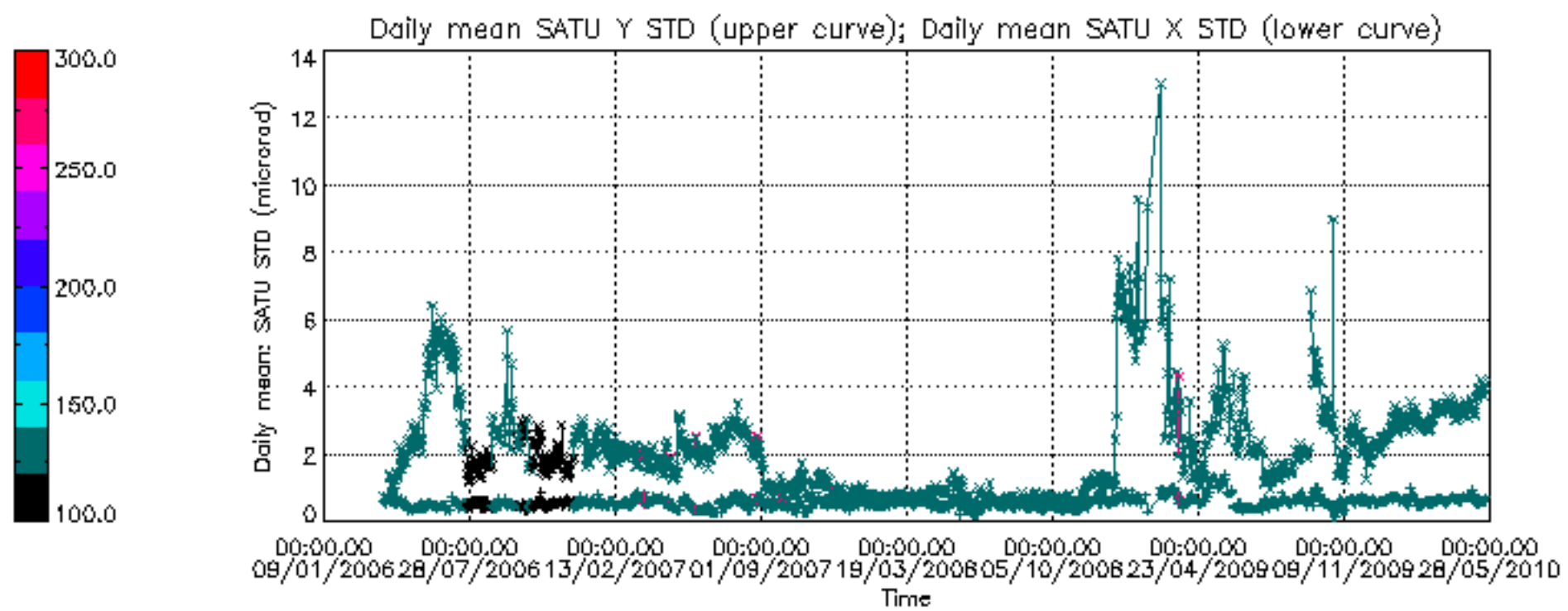
Tangent altitude at which the star is lost











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

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

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 5; -1004.5; 01-MAY-2010 03:59:06; Dark ; 66.5; 61; 8Eps Peg ; 2.10; 3900;occ; 133; 0;42700  
 6; -858.3; 01-MAY-2010 04:01:32; Dark ; 54.0; 162; 34Alp Aqr ; 2.94; 5350;occ; 108; 0;42700  
 7; -635.9; 01-MAY-2010 04:05:15; Dark ; 59.0; 154; 22Bet Aqr ; 2.90; 5700;occ; 118; 0;42700  
 8; -478.4; 01-MAY-2010 04:07:52; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;42700  
 9; -239.1; 01-MAY-2010 04:11:52; Dark ; 42.5; 172; Gam Gru ; 3.00; 13100;occ; 85; 0;42700  
 10; 635.9; 01-MAY-2010 04:26:27; Dark ; 42.5; 141; Bet Ara ; 2.84; 4600;occ; 85; 0;42701  
 11; 747.2; 01-MAY-2010 04:28:18; Dark ; 50.5; 40; The Sco ; 1.86; 7100;occ; 101; 0;42701  
 12; 852.4; 01-MAY-2010 04:30:03; Dark ; 55.5; 25; 35Lam Sco ; 1.62; 28000;occ; 111; 0;42701  
 13; 1039.9; 01-MAY-2010 04:33:11; Dark ; 59.0; 75; 26Eps Sco ; 2.29; 4250;occ; 118; 0;42701  
 14; 1265.2; 01-MAY-2010 04:36:56; Dark ; 70.5; 16; 21Alp Sco ; 1.02; 3000;occ; 141; 0;42701  
 15; 1400.2; 01-MAY-2010 04:39:11; Dark ; 62.0; 80; 7Del Sco ; 2.32; 30000;occ; 124; 0;42701  
 16; 1590.1; 01-MAY-2010 04:42:21; Bright; 44.5; 122; 9Alp2Lib ; 2.75; 9700;occ; 89; 0;42701  
 17; 1728.1; 01-MAY-2010 04:44:39; Bright; 49.5; 104; 27Bet Lib ; 2.61; 13100;occ; 99; 0;42701  
 18; 2233.3; 01-MAY-2010 04:53:04; Bright; 38.5; 111; 8Eta Boo ; 2.68; 6000;occ; 77; 0;42701  
 19; 2455.6; 01-MAY-2010 04:56:46; Bright; 47.5; 83; ; 2.38; 11000;occ; 95; 0;42701  
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 3; -1527.4; 01-MAY-2010 05:30:59; Dark ; 51.0; 164; 44Eta Peg ; 2.95; 5400;occ; 102; 0;42701  
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8; -477.2; 01-MAY-2010 05:48:29; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;42701
9; -238.3; 01-MAY-2010 05:52:28; Dark ; 41.0; 172; Gam Gru ; 3.00; 13100;occ; 82; 0;42701
10; 636.8; 01-MAY-2010 06:07:03; Dark ; 51.5; 141; Bet Ara ; 2.84; 4600;occ; 103; 0;42702
11; 748.3; 01-MAY-2010 06:08:55; Dark ; 59.0; 40; The Sco ; 1.86; 7100;occ; 118; 0;42702
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15; 1400.5; 01-MAY-2010 06:19:47; Dark ; 61.0; 80; 7Del Sco ; 2.32; 30000;occ; 122; 0;42702
16; 1590.3; 01-MAY-2010 06:22:57; Bright; 46.0; 122; 9Alp2Lib ; 2.75; 9700;occ; 92; 0;42702
17; 1728.2; 01-MAY-2010 06:25:15; Bright; 49.0; 104; 27Bet Lib ; 2.61; 13100;occ; 98; 0;42702
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19; 2455.2; 01-MAY-2010 06:37:22; Bright; 48.0; 83; ; 2.38; 11000;occ; 96; 0;42702
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21; 2770.3; 01-MAY-2010 06:42:37; Bright; 36.5; 39; 85Eta UMa ; 1.85; 24000;occ; 73; 0;42702
22; 3209.5; 01-MAY-2010 06:49:56; Bright; 45.0; 119; 14Eta Dra ; 2.73; 4700;occ; 90; 0;42702
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3; 1269.7; 01-MAY-2010 19:42:24; Dark ; 70.5; 16; 21Alp Sco ; 1.02; 3000;occ; 141; 0;42710
4; 1403.0; 01-MAY-2010 19:44:37; Dark ; 57.5; 80; 7Del Sco ; 2.32; 30000;occ; 115; 0;42710
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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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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
15; 5039.7; 01-MAY-2010 20:45:14; Dark ; 60.5; 61; 8Eps Peg ; 2.10; 3900;occ; 121; 0;42710
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6; 642.3; 01-MAY-2010 21:12:32; Dark ; 42.0; 141; Bet Ara ; 2.84; 4600;occ; 84; 0;42711
7; 756.0; 01-MAY-2010 21:14:26; Dark ; 60.5; 40; The Sco ; 1.86; 7100;occ; 121; 0;42711
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13; 1727.6; 01-MAY-2010 21:30:38; Bright; 49.0; 104; 27Bet Lib ; 2.61; 13100;occ; 98; 0;42711
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15; 2450.2; 01-MAY-2010 21:42:40; Bright; 43.5; 83; ; 2.38; 11000;occ; 87; 0;42711
16; 2631.5; 01-MAY-2010 21:45:42; Bright; 39.5; 180; 27Gam Boo ; 3.04; 8000;occ; 79; 0;42711
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3; 642.7; 01-MAY-2010 22:53:09; Dark ; 44.5; 141; Bet Ara ; 2.84; 4600;occ; 89; 0;42712
4; 757.1; 01-MAY-2010 22:55:03; Dark ; 52.5; 40; The Sco ; 1.86; 7100;occ; 105; 0;42712
5; 862.9; 01-MAY-2010 22:56:49; Dark ; 59.0; 25; 35Lam Sco ; 1.62; 28000;occ; 118; 0;42712
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7; 1270.7; 01-MAY-2010 23:03:37; Dark ; 80.0; 16; 21Alp Sco ; 1.02; 3000;occ; 160; 0;42712
8; 1403.6; 01-MAY-2010 23:05:50; Dark ; 60.5; 80; 7Del Sco ; 2.32; 30000;occ; 121; 0;42712
9; 1591.3; 01-MAY-2010 23:08:57; Bright; 45.5; 122; 9Alp2Lib ; 2.75; 9700;occ; 91; 0;42712
10; 1727.4; 01-MAY-2010 23:11:13; Bright; 46.5; 104; 27Bet Lib ; 2.61; 13100;occ; 93; 0;42712

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 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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 6; 3813.7; 04-MAY-2010 10:26:57; Bright; 62.0; 89; 5Alp Cep ; 2.45; 8000;occ; 124; 0;42747  
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 7; 781.8; 06-MAY-2010 06:52:36; Dark ; 71.0; 38; 20Eps Sgr ; 1.84; 11000;occ; 142; 0;42774  
 8; 918.4; 06-MAY-2010 06:54:52; Dark ; 56.5; 25; 35Lam Sco ; 1.62; 28000;occ; 113; 0;42774  
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 12; 1598.4; 06-MAY-2010 07:06:12; Bright; 41.5; 122; 9Alp2Lib ; 2.75; 9700;occ; 83; 0;42774  
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 3; 2248.0; 06-MAY-2010 07:17:02; Bright; 39.0; 3; 16Alp Boo ; -0.05; 4250;occ; 78; 0;42774  
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 5; 2517.9; 06-MAY-2010 07:21:32; Bright; 48.5; 67; 5Alp CrB ; 2.22; 11000;occ; 97; 0;42774  
 6; 3166.4; 06-MAY-2010 07:32:20; Bright; 44.0; 119; 14Eta Dra ; 2.73; 4700;occ; 88; 0;42774  
 7; 3804.7; 06-MAY-2010 07:42:59; Bright; 44.0; 89; 5Alp Cep ; 2.45; 8000;occ; 88; 0;42774  
 8; 4550.1; 06-MAY-2010 07:55:24; Dark ; 53.0; 93; 53Bet Peg ; 2.52; 3100;occ; 106; 0;42774  
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 13; 6818.6; 06-MAY-2010 08:33:12; Dark ; 65.5; 38; 20Eps Sgr ; 1.84; 11000;occ; 131; 0;42775  
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 17; 7457.3; 06-MAY-2010 08:43:51; Dark ; 59.0; 80; 7Del Sco ; 2.32; 30000;occ; 118; 0;42775  
 18; 7634.5; 06-MAY-2010 08:46:48; Bright; 42.0; 122; 9Alp2Lib ; 2.75; 9700;occ; 84; 0;42775  
 19; 7761.2; 06-MAY-2010 08:48:55; Bright; 43.0; 104; 27Bet Lib ; 2.61; 13100;occ; 86; 0;42775

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 3; 2247.9; 06-MAY-2010 08:57:38; Bright; 43.0; 3; 16Alp Boo ; -0.05; 4250;occ; 86; 0;42775  
 4; 2422.0; 06-MAY-2010 09:00:32; Bright; 43.0; 83; ; 2.38; 11000;occ; 86; 0;42775  
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 6; 3165.8; 06-MAY-2010 09:12:56; Bright; 43.5; 119; 14Eta Dra ; 2.73; 4700;occ; 87; 0;42775  
 7; 3804.4; 06-MAY-2010 09:23:34; Bright; 45.5; 89; 5Alp Cep ; 2.45; 8000;occ; 91; 0;42775  
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 9; 4799.3; 06-MAY-2010 09:40:09; Dark ; 50.0; 90; 54Alp Peg ; 2.49; 11000;occ; 100; 0;42775  
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 11; 5652.0; 06-MAY-2010 09:54:22; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;42775  
 12; 5855.9; 06-MAY-2010 09:57:46; Dark ; 42.5; 172; Gam Gru ; 3.00; 13100;occ; 85; 0;42775  
 13; 6820.1; 06-MAY-2010 10:13:50; Dark ; 67.0; 38; 20Eps Sgr ; 1.84; 11000;occ; 134; 0;42776  
 14; 6955.7; 06-MAY-2010 10:16:06; Dark ; 60.0; 25; 35Lam Sco ; 1.62; 28000;occ; 120; 0;42776  
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 16; 7335.6; 06-MAY-2010 10:22:25; Dark ; 73.0; 16; 21Alp Sco ; 1.02; 3000;occ; 146; 0;42776  
 17; 7457.4; 06-MAY-2010 10:24:27; Dark ; 55.5; 80; 7Del Sco ; 2.32; 30000;occ; 111; 0;42776  
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 3; 2103.9; 06-MAY-2010 10:35:50; Bright; 52.5; 102; 24Alp Ser ; 2.60; 4250;occ; 105; 0;42776  
 4; 2247.6; 06-MAY-2010 10:38:13; Bright; 38.0; 3; 16Alp Boo ; -0.05; 4250;occ; 76; 0;42776  
 5; 2421.8; 06-MAY-2010 10:41:07; Bright; 44.0; 83; ; 2.38; 11000;occ; 88; 0;42776  
 6; 2516.5; 06-MAY-2010 10:42:42; Bright; 49.5; 67; 5Alp CrB ; 2.22; 11000;occ; 99; 0;42776  
 7; 3165.3; 06-MAY-2010 10:53:31; Bright; 43.5; 119; 14Eta Dra ; 2.73; 4700;occ; 87; 0;42776  
 8; 3803.7; 06-MAY-2010 11:04:09; Bright; 63.0; 89; 5Alp Cep ; 2.45; 8000;occ; 126; 0;42776  
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 10; 4799.8; 06-MAY-2010 11:20:45; Dark ; 47.0; 90; 54Alp Peg ; 2.49; 11000;occ; 94; 0;42776  
 11; 5245.5; 06-MAY-2010 11:28:11; Dark ; 61.0; 162; 34Alp Aqr ; 2.94; 5350;occ; 122; 0;42776  
 12; 5653.3; 06-MAY-2010 11:34:59; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;42776  
 13; 5856.9; 06-MAY-2010 11:38:23; Dark ; 43.0; 172; Gam Gru ; 3.00; 13100;occ; 86; 0;42776  
 14; 6821.2; 06-MAY-2010 11:54:27; Dark ; 66.5; 38; 20Eps Sgr ; 1.84; 11000;occ; 133; 0;42777



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16; 7126.1; 06-MAY-2010 11:59:32; Dark ; 60.0; 75; 26Eps Sco ; 2.29; 4250;occ; 120; 0;42777
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 4; 2247.6; 06-MAY-2010 12:18:49; Bright; 37.5; 3; 16Alp Boo ; -0.05; 4250;occ; 75; 0;42777
 5; 2421.1; 06-MAY-2010 12:21:43; Bright; 40.5; 83; ; 2.38; 11000;occ; 81; 0;42777
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 7; 3164.7; 06-MAY-2010 12:34:06; Bright; 44.0; 119; 14Eta Dra ; 2.73; 4700;occ; 88; 0;42777
 8; 3803.6; 06-MAY-2010 12:44:45; Bright; 42.5; 89; 5Alp Cep ; 2.45; 8000;occ; 85; 0;42777
 9; 4550.4; 06-MAY-2010 12:57:12; Dark ; 53.5; 93; 53Bet Peg ; 2.52; 3100;occ; 107; 0;42777
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11; 5246.6; 06-MAY-2010 13:08:48; Dark ; 60.5; 162; 34Alp Aqr ; 2.94; 5350;occ; 121; 0;42777
12; 5654.7; 06-MAY-2010 13:15:36; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;42777
13; 5857.3; 06-MAY-2010 13:18:59; Dark ; 44.5; 172; Gam Gru ; 3.00; 13100;occ; 89; 0;42777
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16; 7127.2; 06-MAY-2010 13:40:09; Dark ; 54.5; 75; 26Eps Sco ; 2.29; 4250;occ; 109; 0;42778
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 3; 1725.1; 06-MAY-2010 13:50:43; Bright; 45.0; 104; 27Bet Lib ; 2.61; 13100;occ; 90; 0;42778
 4; 2102.8; 06-MAY-2010 13:57:00; Bright; 53.0; 102; 24Alp Ser ; 2.60; 4250;occ; 106; 0;42778
 5; 2247.0; 06-MAY-2010 13:59:24; Bright; 39.5; 3; 16Alp Boo ; -0.05; 4250;occ; 79; 0;42778
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13; 5656.2; 06-MAY-2010 14:56:14; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;42778
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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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 4; 235.4; 06-MAY-2010 23:29:29; Dark ; 40.5; 45; Alp Pav ; 1.94; 26000;occ; 81; 0;42784
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12; 1725.1; 06-MAY-2010 23:54:18; Bright; 45.0; 104; 27Bet Lib ; 2.61; 13100;occ; 90; 0;42784
13; 2223.4; 07-MAY-2010 00:02:37; Bright; 36.5; 111; 8Eta Boo ; 2.68; 6000;occ; 73; 0;42784
14; 2418.7; 07-MAY-2010 00:05:52; Bright; 40.0; 83; ; 2.38; 11000;occ; 80; 0;42784
15; 2603.2; 07-MAY-2010 00:08:56; Bright; 39.0; 180; 27Gam Boo ; 3.04; 8000;occ; 78; 0;42784
16; 2754.9; 07-MAY-2010 00:11:28; Bright; 37.0; 39; 85Eta UMa ; 1.85; 24000;occ; 74; 0;42784
17; 2842.0; 07-MAY-2010 00:12:55; Bright; 37.5; 55; 79Zet UMa ; 2.06; 10200;occ; 75; 0;42784
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 9; 2842.1; 06-MAY-2010 17:30:32; Bright; 37.0; 55; 79Zet UMa ; 2.06; 10200;occ; 74; 0;42780  
 10; 3203.3; 06-MAY-2010 17:36:33; Bright; 40.0; 60; 7Bet UMi ; 2.08; 3950;occ; 80; 0;42780  
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 13; 4551.2; 06-MAY-2010 17:59:01; Dark ; 50.5; 93; 53Bet Peg ; 2.52; 3100;occ; 101; 0;42780  
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 5; 2223.5; 06-MAY-2010 19:00:49; Bright; 36.5; 111; 8Eta Boo ; 2.68; 6000;occ; 73; 0;42781  
 6; 2419.8; 06-MAY-2010 19:04:05; Bright; 42.0; 83; ; 2.38; 11000;occ; 84; 0;42781  
 7; 2604.3; 06-MAY-2010 19:07:10; Bright; 40.0; 180; 27Gam Boo ; 3.04; 8000;occ; 80; 0;42781  
 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  
 11; 3802.0; 06-MAY-2010 19:27:07; Bright; 42.5; 89; 5Alp Cep ; 2.45; 8000;occ; 85; 0;42781  
 12; 3965.2; 06-MAY-2010 19:29:51; Bright; 34.0; 74; 11Bet Cas ; 2.27; 6600;occ; 68; 0;42781  
 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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 18; 6270.2; 06-MAY-2010 20:08:16; Dark ; 38.5; 45; Alp Pav ; 1.94; 26000;occ; 77; 0;42782  
 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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 4; 236.1; 07-MAY-2010 01:10:05; Dark ; 48.5; 45; Alp Pav ; 1.94; 26000;occ; 97; 0;42785  
 5; 686.9; 07-MAY-2010 01:17:36; Dark ; 52.0; 141; Bet Ara ; 2.84; 4600;occ; 104; 0;42785  
 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  
 12; 1724.9; 07-MAY-2010 01:34:54; Bright; 44.5; 104; 27Bet Lib ; 2.61; 13100;occ; 89; 0;42785  
 13; 2223.1; 07-MAY-2010 01:43:12; Bright; 37.0; 111; 8Eta Boo ; 2.68; 6000;occ; 74; 0;42785  
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 16; 2754.9; 07-MAY-2010 01:52:04; Bright; 36.5; 39; 85Eta UMa ; 1.85; 24000;occ; 73; 0;42785  
 17; 2841.8; 07-MAY-2010 01:53:31; Bright; 37.5; 55; 79Zet UMa ; 2.06; 10200;occ; 75; 0;42785  
 18; 3160.0; 07-MAY-2010 01:58:49; Bright; 44.0; 119; 14Eta Dra ; 2.73; 4700;occ; 88; 0;42785  
 19; 3800.8; 07-MAY-2010 02:09:30; Bright; 42.5; 89; 5Alp Cep ; 2.45; 8000;occ; 85; 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  
 23; 5588.3; 07-MAY-2010 02:39:17; Dark ; 48.5; 18; 24Alp PsA ; 1.17; 9700;occ; 97; 0;42785

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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
28; 6854.6; 07-MAY-2010 03:00:24; Dark ; 56.5; 40; The Sco ; 1.86; 7100;occ; 113; 0;42786
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
38; 8790.6; 07-MAY-2010 03:32:40; Bright; 37.0; 39; 85Eta UMa ; 1.85; 24000;occ; 74; 0;42786
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2; 3159.6; 07-MAY-2010 03:39:25; Bright; 43.0; 119; 14Eta Dra ; 2.73; 4700;occ; 86; 0;42786
3; 3800.6; 07-MAY-2010 03:50:06; Bright; 44.5; 89; 5Alp Cep ; 2.45; 8000;occ; 89; 0;42786
4; 3965.7; 07-MAY-2010 03:52:51; Bright; 34.5; 74; 11Bet Cas ; 2.27; 6600;occ; 69; 0;42786
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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10; 6273.3; 07-MAY-2010 04:31:18; Dark ; 41.0; 45; Alp Pav ; 1.94; 26000;occ; 82; 0;42787
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
14; 7132.5; 07-MAY-2010 04:45:37; Dark ; 56.5; 75; 26Eps Sco ; 2.29; 4250;occ; 113; 0;42787
15; 7370.8; 07-MAY-2010 04:49:36; Dark ; 30.0; 156; 20Sig Sco ; 2.90; 28000;occ; 60; 0;42787
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
5; -446.6; 07-MAY-2010 06:00:30; Dark ; 46.5; 18; 24Alp PsA ; 1.17; 9700;occ; 93; 0;42787
6; -310.1; 07-MAY-2010 06:02:47; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;42787
7; -96.3; 07-MAY-2010 06:06:21; Dark ; 40.5; 31; Alp Gru ; 1.73; 15200;occ; 81; 0;42787
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
10; 820.1; 07-MAY-2010 06:21:37; Dark ; 61.5; 40; The Sco ; 1.86; 7100;occ; 123; 0;42788
11; 935.0; 07-MAY-2010 06:23:32; Dark ; 43.0; 115; 34Ups Sco ; 2.70; 26000;occ; 86; 0;42788
12; 1097.0; 07-MAY-2010 06:26:14; Dark ; 58.5; 75; 26Eps Sco ; 2.29; 4250;occ; 117; 0;42788
13; 1335.2; 07-MAY-2010 06:30:12; Dark ; 34.0; 156; 20Sig Sco ; 2.90; 28000;occ; 68; 0;42788
14; 1424.3; 07-MAY-2010 06:31:41; Dark ; 65.0; 80; 7Del Sco ; 2.32; 30000;occ; 130; 0;42788
15; 1600.2; 07-MAY-2010 06:34:37; Bright; 45.5; 122; 9Alp2Lib ; 2.75; 9700;occ; 91; 0;42788
16; 1725.1; 07-MAY-2010 06:36:42; Bright; 44.5; 104; 27Bet Lib ; 2.61; 13100;occ; 89; 0;42788
17; 2223.1; 07-MAY-2010 06:45:00; Bright; 36.5; 111; 8Eta Boo ; 2.68; 6000;occ; 73; 0;42788
18; 2417.2; 07-MAY-2010 06:48:14; Bright; 43.0; 83; ; 2.38; 11000;occ; 86; 0;42788
19; 2601.6; 07-MAY-2010 06:51:19; Bright; 41.0; 180; 27Gam Boo ; 3.04; 8000;occ; 82; 0;42788
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21; 2841.7; 07-MAY-2010 06:55:19; Bright; 37.5; 55; 79Zet UMa ; 2.06; 10200;occ; 75; 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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6; 1724.9; 07-MAY-2010 20:01:29; Bright; 45.5; 104; 27Bet Lib ; 2.61; 13100;occ; 91; 0;42796  
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10; 2753.0; 07-MAY-2010 20:18:37; Bright; 38.5; 39; 85Eta UMa ; 1.85; 24000;occ; 77; 0;42796  
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  
13; 3965.5; 07-MAY-2010 20:38:50; Bright; 37.5; 74; 11Bet Cas ; 2.27; 6600;occ; 75; 0;42796  
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5; 244.3; 07-MAY-2010 21:17:25; Dark ; 41.0; 45; Alp Pav ; 1.94; 26000;occ; 82; 0;42797  
6; 693.7; 07-MAY-2010 21:24:54; Dark ; 50.0; 141; Bet Ara ; 2.84; 4600;occ; 100; 0;42797  
7; 827.1; 07-MAY-2010 21:27:07; Dark ; 56.0; 40; The Sco ; 1.86; 7100;occ; 112; 0;42797  
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9; 1102.4; 07-MAY-2010 21:31:43; Dark ; 55.0; 75; 26Eps Sco ; 2.29; 4250;occ; 110; 0;42797  
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16; 2598.7; 07-MAY-2010 21:56:39; Bright; 40.0; 180; 27Gam Boo ; 3.04; 8000;occ; 80; 0;42797  
17; 2753.3; 07-MAY-2010 21:59:14; Bright; 37.0; 39; 85Eta UMa ; 1.85; 24000;occ; 74; 0;42797  
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21; 4554.5; 07-MAY-2010 22:29:15; Dark ; 51.0; 93; 53Bet Peg ; 2.52; 3100;occ; 102; 0;42797  
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5; 694.4; 07-MAY-2010 23:05:31; Dark ; 51.5; 141; Bet Ara ; 2.84; 4600;occ; 103; 0;42798  
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13; 1725.0; 07-MAY-2010 23:22:41; Bright; 44.5; 104; 27Bet Lib ; 2.61; 13100;occ; 89; 0;42798  
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 17; 5731.6; 07-MAY-2010 19:27:40; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;42795  
 18; 5944.7; 07-MAY-2010 19:31:13; Dark ; 51.0; 31; Alp Gru ; 1.73; 15200;occ; 102; 0;42795  
 19; 6279.9; 07-MAY-2010 19:36:48; Dark ; 45.0; 45; Alp Pav ; 1.94; 26000;occ; 90; 0;42796  
 20; 6729.2; 07-MAY-2010 19:44:18; Dark ; 51.0; 141; Bet Ara ; 2.84; 4600;occ; 102; 0;42796  
 21; 6862.2; 07-MAY-2010 19:46:31; Dark ; 53.5; 40; The Sco ; 1.86; 7100;occ; 107; 0;42796  
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 18; 3152.1; 08-MAY-2010 01:27:04; Bright; 44.5; 119; 14Eta Dra ; 2.73; 4700;occ; 89; 0;42799  
 19; 3795.6; 08-MAY-2010 01:37:48; Bright; 45.0; 89; 5Alp Cep ; 2.45; 8000;occ; 90; 0;42799  
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 6; 829.4; 08-MAY-2010 02:28:57; Dark ; 55.5; 40; The Sco ; 1.86; 7100;occ; 111; 0;42800  
 7; 939.7; 08-MAY-2010 02:30:48; Dark ; 37.0; 25; 35Lam Sco ; 1.62; 28000;occ; 74; 0;42800  
 8; 1104.1; 08-MAY-2010 02:33:32; Dark ; 56.0; 75; 26Eps Sco ; 2.29; 4250;occ; 112; 0;42800  
 9; 1259.9; 08-MAY-2010 02:36:08; Dark ; 29.0; 136; 23Tau Sco ; 2.82; 30000;occ; 58; 0;42800  
 10; 1339.6; 08-MAY-2010 02:37:28; Dark ; 56.0; 156; 20Sig Sco ; 2.90; 28000;occ; 112; 0;42800  
 11; 1427.9; 08-MAY-2010 02:38:56; Dark ; 55.5; 80; 7Del Sco ; 2.32; 30000;occ; 111; 0;42800  
 12; 1601.3; 08-MAY-2010 02:41:49; Bright; 42.0; 122; 9Alp2Lib ; 2.75; 9700;occ; 84; 0;42800  
 13; 1724.9; 08-MAY-2010 02:43:53; Bright; 44.5; 104; 27Bet Lib ; 2.61; 13100;occ; 89; 0;42800  
 14; 2222.3; 08-MAY-2010 02:52:10; Bright; 36.0; 111; 8Eta Boo ; 2.68; 6000;occ; 72; 0;42800  
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8; 246.9; 08-MAY-2010 03:59:51; Dark ; 46.0; 45; Alp Pav ; 1.94; 26000;occ; 92; 0;42801
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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19; 2412.4; 08-MAY-2010 04:35:56; Bright; 43.5; 83; ; 2.38; 11000;occ; 87; 0;42801
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13; 1260.8; 08-MAY-2010 05:57:21; Dark ; 34.0; 136; 23Tau Sco ; 2.82; 30000;occ; 68; 0;42802
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19; 2412.2; 08-MAY-2010 06:16:32; Bright; 43.0; 83; ; 2.38; 11000;occ; 86; 0;42802
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6; 838.8; 08-MAY-2010 22:36:18; Dark ; 54.5; 40; The Sco ; 1.86; 7100;occ; 109; 0;42812
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 14; 6294.5; 09-MAY-2010 08:30:13; Dark ; 41.0; 45; Alp Pav ; 1.94; 26000;occ; 82; 0;42818  
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22;	7358.4;	10-MAY-2010	11:37:32;	Dark	;	66.5;	16;	21Alp Sco	;	1.02;	3000;occ;	133;	0;	42834
23;	7471.7;	10-MAY-2010	11:39:25;	Dark	;	62.5;	80;	7Del Sco	;	2.32;	30000;occ;	125;	0;	42834
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 19; 5902.0; 11-MAY-2010 19:04:38; Dark ; 41.0; 63; Bet Gru ; 2.15; 2800;occ; 82; 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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 5; 283.9; 11-MAY-2010 22:32:48; Dark ; 43.0; 45; Alp Pav ; 1.94; 26000;occ; 86; 0;42855  
 6; 726.1; 11-MAY-2010 22:40:10; Dark ; 45.0; 141; Bet Ara ; 2.84; 4600;occ; 90; 0;42855  
 7; 870.6; 11-MAY-2010 22:42:35; Dark ; 46.5; 40; The Sco ; 1.86; 7100;occ; 93; 0;42855  
 8; 981.9; 11-MAY-2010 22:44:26; Dark ; 55.0; 25; 35Lam Sco ; 1.62; 28000;occ; 110; 0;42855  
 9; 1134.6; 11-MAY-2010 22:46:59; Dark ; 54.5; 75; 26Eps Sco ; 2.29; 4250;occ; 109; 0;42855  
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 11; 1440.6; 11-MAY-2010 22:52:05; Dark ; 59.5; 80; 7Del Sco ; 2.32; 30000;occ; 119; 0;42855  
 12; 1607.9; 11-MAY-2010 22:54:52; Bright; 39.5; 122; 9Alp2Lib ; 2.75; 9700;occ; 79; 0;42855  
 13; 1725.3; 11-MAY-2010 22:56:50; Bright; 42.5; 104; 27Bet Lib ; 2.61; 13100;occ; 85; 0;42855  
 14; 2237.3; 11-MAY-2010 23:05:22; Bright; 36.5; 3; 16Alp Boo ; -0.05; 4250;occ; 73; 0;42855  
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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  
 18; 3121.9; 11-MAY-2010 23:20:06; Bright; 43.0; 119; 14Eta Dra ; 2.73; 4700;occ; 86; 0;42855  
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 21; 4565.9; 11-MAY-2010 23:44:10; Dark ; 60.0; 93; 53Bet Peg ; 2.52; 3100;occ; 120; 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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 4; 1329.2; 11-MAY-2010 19:29:02; Dark ; 69.0; 16; 21Alp Sco ; 1.02; 3000;occ; 138; 0;42853  
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 6; 1608.0; 11-MAY-2010 19:33:40; Bright; 39.5; 122; 9Alp2Lib ; 2.75; 9700;occ; 79; 0;42853  
 7; 1725.4; 11-MAY-2010 19:35:38; Bright; 42.0; 104; 27Bet Lib ; 2.61; 13100;occ; 84; 0;42853  
 8; 2237.3; 11-MAY-2010 19:44:10; Bright; 39.0; 3; 16Alp Boo ; -0.05; 4250;occ; 78; 0;42853  
 9; 2396.5; 11-MAY-2010 19:46:49; Bright; 39.5; 83; ; 2.38; 11000;occ; 79; 0;42853  
 10; 2583.0; 11-MAY-2010 19:49:56; Bright; 37.5; 180; 27Gam Boo ; 3.04; 8000;occ; 75; 0;42853  
 11; 2747.7; 11-MAY-2010 19:52:40; Bright; 34.5; 39; 85Eta UMa ; 1.85; 24000;occ; 69; 0;42853  
 12; 3122.9; 11-MAY-2010 19:58:55; Bright; 43.0; 119; 14Eta Dra ; 2.73; 4700;occ; 86; 0;42853  
 13; 3775.3; 11-MAY-2010 20:09:48; Bright; 43.0; 89; 5Alp Cep ; 2.45; 8000;occ; 86; 0;42853  
 14; 3964.5; 11-MAY-2010 20:12:57; Bright; 48.5; 74; 11Bet Cas ; 2.27; 6600;occ; 97; 0;42853  
 15; 4565.7; 11-MAY-2010 20:22:58; Dark ; 56.0; 93; 53Bet Peg ; 2.52; 3100;occ; 112; 0;42853  
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 19; 5775.8; 11-MAY-2010 20:43:08; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;42853



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22; 6319.6; 11-MAY-2010 20:52:12; Dark ; 40.5; 45; Alp Pav ; 1.94; 26000;occ; 81; 0;42854
23; 6761.6; 11-MAY-2010 20:59:34; Dark ; 54.0; 141; Bet Ara ; 2.84; 4600;occ; 108; 0;42854
24; 6905.5; 11-MAY-2010 21:01:58; Dark ; 49.0; 40; The Sco ; 1.86; 7100;occ; 98; 0;42854
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 6; 726.8; 12-MAY-2010 00:20:47; Dark ; 41.0; 141; Bet Ara ; 2.84; 4600;occ; 82; 0;42856
 7; 871.1; 12-MAY-2010 00:23:11; Dark ; 52.0; 40; The Sco ; 1.86; 7100;occ; 104; 0;42856
 8; 982.7; 12-MAY-2010 00:25:03; Dark ; 60.0; 25; 35Lam Sco ; 1.62; 28000;occ; 120; 0;42856
 9; 1135.3; 12-MAY-2010 00:27:35; Dark ; 54.5; 75; 26Eps Sco ; 2.29; 4250;occ; 109; 0;42856
10; 1330.4; 12-MAY-2010 00:30:51; Dark ; 58.0; 16; 21Alp Sco ; 1.02; 3000;occ; 116; 0;42856
11; 1441.0; 12-MAY-2010 00:32:41; Dark ; 59.0; 80; 7Del Sco ; 2.32; 30000;occ; 118; 0;42856
12; 1608.2; 12-MAY-2010 00:35:28; Bright; 40.0; 122; 9Alp2Lib ; 2.75; 9700;occ; 80; 0;42856
13; 1725.4; 12-MAY-2010 00:37:26; Bright; 42.0; 104; 27Bet Lib ; 2.61; 13100;occ; 84; 0;42856
14; 2237.3; 12-MAY-2010 00:45:57; Bright; 38.0; 3; 16Alp Boo ; -0.05; 4250;occ; 76; 0;42856
15; 2395.7; 12-MAY-2010 00:48:36; Bright; 40.5; 83; ; 2.38; 11000;occ; 81; 0;42856
16; 2582.5; 12-MAY-2010 00:51:43; Bright; 38.0; 180; 27Gam Boo ; 3.04; 8000;occ; 76; 0;42856
17; 2747.5; 12-MAY-2010 00:54:28; Bright; 35.5; 39; 85Eta UMa ; 1.85; 24000;occ; 71; 0;42856
18; 3121.5; 12-MAY-2010 01:00:42; Bright; 43.5; 119; 14Eta Dra ; 2.73; 4700;occ; 87; 0;42856
19; 3773.6; 12-MAY-2010 01:11:34; Bright; 45.0; 89; 5Alp Cep ; 2.45; 8000;occ; 90; 0;42856
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21; 4566.2; 12-MAY-2010 01:24:46; Dark ; 63.5; 93; 53Bet Peg ; 2.52; 3100;occ; 127; 0;42856
22; 4746.9; 12-MAY-2010 01:27:47; Dark ; 40.5; 140; 88Gam Peg ; 2.83; 26000;occ; 81; 0;42856
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 3; -131.4; 12-MAY-2010 01:47:05; Dark ; 47.0; 63; Bet Gru ; 2.15; 2800;occ; 94; 0;42856
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 6; 727.3; 12-MAY-2010 02:01:23; Dark ; 49.0; 141; Bet Ara ; 2.84; 4600;occ; 98; 0;42857
 7; 871.9; 12-MAY-2010 02:03:48; Dark ; 48.5; 40; The Sco ; 1.86; 7100;occ; 97; 0;42857
 8; 983.8; 12-MAY-2010 02:05:40; Dark ; 51.0; 25; 35Lam Sco ; 1.62; 28000;occ; 102; 0;42857
 9; 1135.7; 12-MAY-2010 02:08:12; Dark ; 52.5; 75; 26Eps Sco ; 2.29; 4250;occ; 105; 0;42857
10; 1330.8; 12-MAY-2010 02:11:27; Dark ; 58.5; 16; 21Alp Sco ; 1.02; 3000;occ; 117; 0;42857
11; 1441.2; 12-MAY-2010 02:13:17; Dark ; 49.5; 80; 7Del Sco ; 2.32; 30000;occ; 99; 0;42857
12; 1608.2; 12-MAY-2010 02:16:04; Bright; 40.0; 122; 9Alp2Lib ; 2.75; 9700;occ; 80; 0;42857
13; 1725.5; 12-MAY-2010 02:18:02; Bright; 41.5; 104; 27Bet Lib ; 2.61; 13100;occ; 83; 0;42857
14; 2237.0; 12-MAY-2010 02:26:33; Bright; 40.5; 3; 16Alp Boo ; -0.05; 4250;occ; 81; 0;42857
15; 2395.3; 12-MAY-2010 02:29:11; Bright; 39.0; 83; ; 2.38; 11000;occ; 78; 0;42857
16; 2582.4; 12-MAY-2010 02:32:18; Bright; 40.0; 180; 27Gam Boo ; 3.04; 8000;occ; 80; 0;42857
17; 2747.3; 12-MAY-2010 02:35:03; Bright; 37.0; 39; 85Eta UMa ; 1.85; 24000;occ; 74; 0;42857
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 9; -49.0; 12-MAY-2010 03:29:03; Dark ; 46.0; 31; Alp Gru ; 1.73; 15200;occ; 92; 0;42857
10; 286.0; 12-MAY-2010 03:34:38; Dark ; 41.5; 45; Alp Pav ; 1.94; 26000;occ; 83; 0;42858
11; 727.8; 12-MAY-2010 03:42:00; Dark ; 42.0; 141; Bet Ara ; 2.84; 4600;occ; 84; 0;42858
12; 872.5; 12-MAY-2010 03:44:24; Dark ; 52.5; 40; The Sco ; 1.86; 7100;occ; 105; 0;42858
13; 984.5; 12-MAY-2010 03:46:16; Dark ; 56.5; 25; 35Lam Sco ; 1.62; 28000;occ; 113; 0;42858
14; 1136.3; 12-MAY-2010 03:48:48; Dark ; 50.0; 75; 26Eps Sco ; 2.29; 4250;occ; 100; 0;42858
15; 1331.4; 12-MAY-2010 03:52:03; Dark ; 68.0; 16; 21Alp Sco ; 1.02; 3000;occ; 136; 0;42858
16; 1441.4; 12-MAY-2010 03:53:53; Dark ; 59.0; 80; 7Del Sco ; 2.32; 30000;occ; 118; 0;42858
17; 1608.4; 12-MAY-2010 03:56:40; Bright; 38.0; 122; 9Alp2Lib ; 2.75; 9700;occ; 76; 0;42858
18; 1725.7; 12-MAY-2010 03:58:38; Bright; 42.0; 104; 27Bet Lib ; 2.61; 13100;occ; 84; 0;42858

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22; 2747.5; 12-MAY-2010 04:15:39; Bright; 35.5; 39; 85Eta UMa ; 1.85; 24000;occ; 71; 0;42858
23; 3120.6; 12-MAY-2010 04:21:52; Bright; 41.0; 119; 14Eta Dra ; 2.73; 4700;occ; 82; 0;42858
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11; 728.3; 12-MAY-2010 05:22:36; Dark ; 44.0; 141; Bet Ara ; 2.84; 4600;occ; 88; 0;42859
12; 873.3; 12-MAY-2010 05:25:01; Dark ; 53.5; 40; The Sco ; 1.86; 7100;occ; 107; 0;42859
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16; 1441.8; 12-MAY-2010 05:34:30; Dark ; 58.0; 80; 7Del Sco ; 2.32; 30000;occ; 116; 0;42859
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4; 2394.7; 12-MAY-2010 07:30:59; Bright; 39.5; 83; ; 2.38; 11000;occ; 79; 0;42860
5; 2581.6; 12-MAY-2010 07:34:06; Bright; 38.0; 180; 27Gam Boo ; 3.04; 8000;occ; 76; 0;42860
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 9; 3964.0; 12-MAY-2010 12:58:56; Bright; 39.0; 74; 11Bet Cas ; 2.27; 6600;occ; 78; 0;42863
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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  
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 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  
 5; 1609.5; 12-MAY-2010 19:02:05; Bright; 40.5; 122; 9Alp2Lib ; 2.75; 9700;occ; 81; 0;42867  
 6; 1725.5; 12-MAY-2010 19:04:01; Bright; 42.0; 104; 27Bet Lib ; 2.61; 13100;occ; 84; 0;42867  
 7; 2062.6; 12-MAY-2010 19:09:38; Bright; 31.0; 102; 24Alp Ser ; 2.60; 4250;occ; 62; 0;42867  
 8; 2236.4; 12-MAY-2010 19:12:32; Bright; 37.0; 3; 16Alp Boo ; -0.05; 4250;occ; 74; 0;42867  
 9; 2393.0; 12-MAY-2010 19:15:08; Bright; 39.0; 83; ; 2.38; 11000;occ; 78; 0;42867  
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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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 18; 5642.7; 12-MAY-2010 20:09:18; Dark ; 51.0; 18; 24Alp PsA ; 1.17; 9700;occ; 102; 0;42867  
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 22; 6329.2; 12-MAY-2010 20:20:45; Dark ; 41.0; 45; Alp Pav ; 1.94; 26000;occ; 82; 0;42868  
 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  
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 6; 1725.7; 12-MAY-2010 20:44:37; Bright; 40.5; 104; 27Bet Lib ; 2.61; 13100;occ; 81; 0;42868  
 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  
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 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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 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
16; 2392.5; 12-MAY-2010 22:36:20; Bright; 41.5; 83; ; 2.38; 11000;occ; 83; 0;42869
17; 2579.7; 12-MAY-2010 22:39:27; Bright; 38.0; 180; 27Gam Boo ; 3.04; 8000;occ; 76; 0;42869
18; 2747.0; 12-MAY-2010 22:42:14; Bright; 35.0; 39; 85Eta UMa ; 1.85; 24000;occ; 70; 0;42869
19; 3114.8; 12-MAY-2010 22:48:22; Bright; 44.5; 119; 14Eta Dra ; 2.73; 4700;occ; 89; 0;42869
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22; 4568.9; 12-MAY-2010 23:12:36; Dark ; 66.0; 93; 53Bet Peg ; 2.52; 3100;occ; 132; 0;42869
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
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5; 294.9; 12-MAY-2010 23:41:58; Dark ; 41.0; 45; Alp Pav ; 1.94; 26000;occ; 82; 0;42870
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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
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12; 1609.8; 13-MAY-2010 00:03:53; Bright; 40.0; 122; 9Alp2Lib ; 2.75; 9700;occ; 80; 0;42870
13; 1725.5; 13-MAY-2010 00:05:49; Bright; 40.5; 104; 27Bet Lib ; 2.61; 13100;occ; 81; 0;42870
14; 2061.4; 13-MAY-2010 00:11:25; Bright; 46.0; 102; 24Alp Ser ; 2.60; 4250;occ; 92; 0;42870
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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
18; 2746.2; 13-MAY-2010 00:22:49; Bright; 35.5; 39; 85Eta UMa ; 1.85; 24000;occ; 71; 0;42870
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
22; 4569.3; 13-MAY-2010 00:53:13; Dark ; 59.0; 93; 53Bet Peg ; 2.52; 3100;occ; 118; 0;42870
23; 4750.7; 13-MAY-2010 00:56:14; Dark ; 41.5; 140; 88Gam Peg ; 2.83; 26000;occ; 83; 0;42870
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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
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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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14; 2235.7; 13-MAY-2010 01:54:55; Bright; 40.0; 3; 16Alp Boo ;-0.05; 4250;occ; 80; 0;42871
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18; 2384.9; 15-MAY-2010 05:55:58; Bright; 42.5; 83; ; 2.38; 11000;occ; 85; 0;42902
19; 2573.0; 15-MAY-2010 05:59:06; Bright; 38.0; 180; 27Gam Boo ; 3.04; 8000;occ; 76; 0;42902
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5; 2049.3; 15-MAY-2010 15:53:58; Bright; 45.0; 102; 24Alp Ser ; 2.60; 4250;occ; 90; 0;42908
6; 2383.8; 15-MAY-2010 15:59:32; Bright; 38.0; 83; ; 2.38; 11000;occ; 76; 0;42908
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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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12; 4761.6; 15-MAY-2010 16:39:10; Dark ; 42.5; 140; 88Gam Peg ; 2.83; 26000;occ; 85; 0;42908
13; 4858.1; 15-MAY-2010 16:40:46; Dark ; 54.0; 90; 54Alp Peg ; 2.49; 11000;occ; 108; 0;42908
14; 5674.2; 15-MAY-2010 16:54:23; Dark ; 51.5; 18; 24Alp PsA ; 1.17; 9700;occ; 103; 0;42908
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17; 6358.0; 15-MAY-2010 17:05:46; Dark ; 40.5; 45; Alp Pav ; 1.94; 26000;occ; 81; 0;42909
18; 6790.8; 15-MAY-2010 17:12:59; Dark ; 48.5; 141; Bet Ara ; 2.84; 4600;occ; 97; 0;42909
19; 6963.9; 15-MAY-2010 17:15:52; Dark ; 27.0; 38; 20Eps Sgr ; 1.84; 11000;occ; 54; 0;42909
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4; 1727.0; 15-MAY-2010 17:29:11; Bright; 39.5; 104; 27Bet Lib ; 2.61; 13100;occ; 79; 0;42909
5; 1858.3; 15-MAY-2010 17:31:23; Bright; 50.0; 120; 1Del Oph ; 2.73; 3200;occ; 100; 0;42909
6; 2049.0; 15-MAY-2010 17:34:33; Bright; 44.0; 102; 24Alp Ser ; 2.60; 4250;occ; 88; 0;42909
7; 2383.9; 15-MAY-2010 17:40:08; Bright; 41.5; 83; ; 2.38; 11000;occ; 83; 0;42909
8; 2571.9; 15-MAY-2010 17:43:16; Bright; 38.5; 180; 27Gam Boo ; 3.04; 8000;occ; 77; 0;42909
9; 3095.2; 15-MAY-2010 17:52:00; Bright; 39.5; 119; 14Eta Dra ; 2.73; 4700;occ; 79; 0;42909
10; 3751.6; 15-MAY-2010 18:02:56; Bright; 44.5; 89; 5Alp Cep ; 2.45; 8000;occ; 89; 0;42909
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12; 4577.6; 15-MAY-2010 18:16:42; Dark ; 61.0; 93; 53Bet Peg ; 2.52; 3100;occ; 122; 0;42909
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  
17; 5675.5; 15-MAY-2010 20:15:36; Dark ; 48.0; 18; 24Alp PsA ; 1.17; 9700;occ; 96; 0;42910  
18; 5823.8; 15-MAY-2010 20:18:04; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;42910  
19; 6025.6; 15-MAY-2010 20:21:26; Dark ; 50.0; 31; Alp Gru ; 1.73; 15200;occ; 100; 0;42910  
20; 6359.1; 15-MAY-2010 20:27:00; Dark ; 44.5; 45; Alp Pav ; 1.94; 26000;occ; 89; 0;42911  
21; 6791.7; 15-MAY-2010 20:34:12; Dark ; 45.5; 141; Bet Ara ; 2.84; 4600;occ; 91; 0;42911  
22; 6965.5; 15-MAY-2010 20:37:06; Dark ; 29.0; 38; 20Eps Sgr ; 1.84; 11000;occ; 58; 0;42911  
23; 7056.7; 15-MAY-2010 20:38:37; Dark ; 17.0; 25; 35Lam Sco ; 1.62; 28000;occ; 34; 0;42911

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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  
16; 4860.0; 15-MAY-2010 21:42:36; Dark ; 54.0; 90; 54Alp Peg ; 2.49; 11000;occ; 108; 0;42911

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2; -211.2; 15-MAY-2010 21:58:41; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;42911  
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4; 324.3; 15-MAY-2010 22:07:37; Dark ; 42.0; 45; Alp Pav ; 1.94; 26000;occ; 84; 0;42912  
5; 756.4; 15-MAY-2010 22:14:49; Dark ; 51.0; 141; Bet Ara ; 2.84; 4600;occ; 102; 0;42912  
6; 930.6; 15-MAY-2010 22:17:43; Dark ; 30.0; 38; 20Eps Sgr ; 1.84; 11000;occ; 60; 0;42912  
7; 1021.3; 15-MAY-2010 22:19:14; Dark ; 58.0; 25; 35Lam Sco ; 1.62; 28000;occ; 116; 0;42912  
8; 1162.9; 15-MAY-2010 22:21:35; Dark ; 53.0; 75; 26Eps Sco ; 2.29; 4250;occ; 106; 0;42912  
9; 1348.9; 15-MAY-2010 22:24:41; Dark ; 60.0; 16; 21Alp Sco ; 1.02; 3000;occ; 120; 0;42912  
10; 1506.3; 15-MAY-2010 22:27:19; Bright; 45.5; 97; 8Bet1Sco ; 2.56; 30000;occ; 91; 0;42912  
11; 1727.0; 15-MAY-2010 22:30:59; Bright; 39.5; 104; 27Bet Lib ; 2.61; 13100;occ; 79; 0;42912  
12; 1857.4; 15-MAY-2010 22:33:10; Bright; 50.5; 120; 1Del Oph ; 2.73; 3200;occ; 101; 0;42912  
13; 2048.0; 15-MAY-2010 22:36:20; Bright; 44.5; 102; 24Alp Ser ; 2.60; 4250;occ; 89; 0;42912  
14; 2382.9; 15-MAY-2010 22:41:55; Bright; 40.0; 83; ; 2.38; 11000;occ; 80; 0;42912  
15; 2571.3; 15-MAY-2010 22:45:04; Bright; 38.5; 180; 27Gam Boo ; 3.04; 8000;occ; 77; 0;42912  
16; 3093.7; 15-MAY-2010 22:53:46; Bright; 61.0; 119; 14Eta Dra ; 2.73; 4700;occ; 122; 0;42912  
17; 3750.1; 15-MAY-2010 23:04:42; Bright; 44.0; 89; 5Alp Cep ; 2.45; 8000;occ; 88; 0;42912  
18; 3961.8; 15-MAY-2010 23:08:14; Bright; 55.0; 74; 11Bet Cas ; 2.27; 6600;occ; 110; 0;42912  
19; 4513.6; 15-MAY-2010 23:17:26; Dark ; 45.0; 58; 21Alp And ; 2.07; 11000;occ; 90; 0;42912  
20; 4762.6; 15-MAY-2010 23:21:35; Dark ; 44.0; 140; 88Gam Peg ; 2.83; 26000;occ; 88; 0;42912  
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4; 324.4; 15-MAY-2010 23:48:13; Dark ; 51.0; 45; Alp Pav ; 1.94; 26000;occ; 102; 0;42913  
5; 756.8; 15-MAY-2010 23:55:25; Dark ; 43.5; 141; Bet Ara ; 2.84; 4600;occ; 87; 0;42913  
6; 931.6; 15-MAY-2010 23:58:20; Dark ; 30.0; 38; 20Eps Sgr ; 1.84; 11000;occ; 60; 0;42913  
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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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 15; 2570.9; 16-MAY-2010 00:25:39; Bright; 38.0; 180; 27Gam Boo ; 3.04; 8000;occ; 76; 0;42913  
 16; 3092.9; 16-MAY-2010 00:34:21; Bright; 43.0; 119; 14Eta Dra ; 2.73; 4700;occ; 86; 0;42913  
 17; 3749.7; 16-MAY-2010 00:45:18; Bright; 46.0; 89; 5Alp Cep ; 2.45; 8000;occ; 92; 0;42913  
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 6; 932.4; 16-MAY-2010 01:38:56; Dark ; 32.0; 38; 20Eps Sgr ; 1.84; 11000;occ; 64; 0;42914  
 7; 1022.8; 16-MAY-2010 01:40:27; Dark ; 53.0; 25; 35Lam Sco ; 1.62; 28000;occ; 106; 0;42914  
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 9; 1349.7; 16-MAY-2010 01:45:54; Dark ; 57.5; 16; 21Alp Sco ; 1.02; 3000;occ; 115; 0;42914  
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 11; 1727.1; 16-MAY-2010 01:52:11; Bright; 40.0; 104; 27Bet Lib ; 2.61; 13100;occ; 80; 0;42914  
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 13; 2047.7; 16-MAY-2010 01:57:32; Bright; 44.5; 102; 24Alp Ser ; 2.60; 4250;occ; 89; 0;42914  
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 16; 3092.7; 16-MAY-2010 02:14:57; Bright; 40.5; 119; 14Eta Dra ; 2.73; 4700;occ; 81; 0;42914  
 17; 3749.4; 16-MAY-2010 02:25:53; Bright; 45.5; 89; 5Alp Cep ; 2.45; 8000;occ; 91; 0;42914  
 18; 3961.6; 16-MAY-2010 02:29:26; Bright; 41.0; 74; 11Bet Cas ; 2.27; 6600;occ; 82; 0;42914  
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 26; 6794.1; 16-MAY-2010 03:16:38; Dark ; 46.0; 141; Bet Ara ; 2.84; 4600;occ; 92; 0;42915  
 27; 6969.1; 16-MAY-2010 03:19:33; Dark ; 32.0; 38; 20Eps Sgr ; 1.84; 11000;occ; 64; 0;42915  
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16; 2566.9; 17-MAY-2010 23:22:21; Bright; 37.0; 180; 27Gam Boo ; 3.04; 8000;occ; 74; 0;42941
17; 3080.2; 17-MAY-2010 23:30:54; Bright; 42.0; 119; 14Eta Dra ; 2.73; 4700;occ; 84; 0;42941
18; 3736.6; 17-MAY-2010 23:41:51; Bright; 45.5; 89; 5Alp Cep ; 2.45; 8000;occ; 91; 0;42941
19; 3959.6; 17-MAY-2010 23:45:34; Bright; 55.0; 74; 11Bet Cas ; 2.27; 6600;occ; 110; 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
22; 4875.9; 18-MAY-2010 00:00:50; Dark ; 57.5; 90; 54Alp Peg ; 2.49; 11000;occ; 115; 0;42941

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6; 3083.3; 17-MAY-2010 11:46:46; Bright; 43.0; 119; 14Eta Dra ; 2.73; 4700;occ; 86; 0;42934  
7; 3739.7; 17-MAY-2010 11:57:42; Bright; 43.5; 89; 5Alp Cep ; 2.45; 8000;occ; 87; 0;42934  
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13; 5845.3; 17-MAY-2010 12:32:48; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;42934  
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16; 6376.3; 17-MAY-2010 12:41:39; Dark ; 44.0; 45; Alp Pav ; 1.94; 26000;occ; 88; 0;42935  
17; 6804.0; 17-MAY-2010 12:48:47; Dark ; 47.0; 141; Bet Ara ; 2.84; 4600;occ; 94; 0;42935  
18; 6987.5; 17-MAY-2010 12:51:50; Dark ; 53.0; 38; 20Eps Sgr ; 1.84; 11000;occ; 106; 0;42935  
19; 7072.0; 17-MAY-2010 12:53:15; Dark ; 52.0; 25; 35Lam Sco ; 1.62; 28000;occ; 104; 0;42935  
20; 7209.0; 17-MAY-2010 12:55:32; Dark ; 52.5; 75; 26Eps Sco ; 2.29; 4250;occ; 105; 0;42935  
21; 7392.1; 17-MAY-2010 12:58:35; Dark ; 56.0; 16; 21Alp Sco ; 1.02; 3000;occ; 112; 0;42935  
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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9; 4517.4; 17-MAY-2010 13:51:16; Dark ; 47.0; 58; 21Alp And ; 2.07; 11000;occ; 94; 0;42935  
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11; 4873.0; 17-MAY-2010 13:57:11; Dark ; 53.5; 90; 54Alp Peg ; 2.49; 11000;occ; 107; 0;42935  
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14; 5953.5; 17-MAY-2010 14:15:12; Dark ; 58.0; 63; Bet Gru ; 2.15; 2800;occ; 116; 0;42935  
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16; 6376.6; 17-MAY-2010 14:22:15; Dark ; 42.0; 45; Alp Pav ; 1.94; 26000;occ; 84; 0;42936  
17; 6804.3; 17-MAY-2010 14:29:23; Dark ; 48.5; 141; Bet Ara ; 2.84; 4600;occ; 97; 0;42936  
18; 6988.8; 17-MAY-2010 14:32:27; Dark ; 55.0; 38; 20Eps Sgr ; 1.84; 11000;occ; 110; 0;42936  
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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3; 1852.5; 17-MAY-2010 14:47:27; Bright; 48.5; 120; 1Del Oph ; 2.73; 3200;occ; 97; 0;42936  
4; 2041.8; 17-MAY-2010 14:50:36; Bright; 43.0; 102; 24Alp Ser ; 2.60; 4250;occ; 86; 0;42936  
5; 2379.1; 17-MAY-2010 14:56:13; Bright; 37.5; 83; ; 2.38; 11000;occ; 75; 0;42936  
6; 2567.7; 17-MAY-2010 14:59:22; Bright; 38.0; 180; 27Gam Boo ; 3.04; 8000;occ; 76; 0;42936  
7; 3082.8; 17-MAY-2010 15:07:57; Bright; 37.0; 119; 14Eta Dra ; 2.73; 4700;occ; 74; 0;42936  
8; 3739.3; 17-MAY-2010 15:18:54; Bright; 47.0; 89; 5Alp Cep ; 2.45; 8000;occ; 94; 0;42936  
9; 3960.5; 17-MAY-2010 15:22:35; Bright; 55.0; 74; 11Bet Cas ; 2.27; 6600;occ; 110; 0;42936  
10; 4517.7; 17-MAY-2010 15:31:52; Dark ; 47.0; 58; 21Alp And ; 2.07; 11000;occ; 94; 0;42936  
11; 4770.0; 17-MAY-2010 15:36:04; Dark ; 41.5; 140; 88Gam Peg ; 2.83; 26000;occ; 83; 0;42936  
12; 4873.5; 17-MAY-2010 15:37:48; Dark ; 56.0; 90; 54Alp Peg ; 2.49; 11000;occ; 112; 0;42936  
13; 5696.9; 17-MAY-2010 15:51:31; Dark ; 52.5; 18; 24Alp PsA ; 1.17; 9700;occ; 105; 0;42936  
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15; 5954.4; 17-MAY-2010 15:55:49; Dark ; 53.5; 63; Bet Gru ; 2.15; 2800;occ; 107; 0;42936  
16; 6045.5; 17-MAY-2010 15:57:20; Dark ; 42.0; 31; Alp Gru ; 1.73; 15200;occ; 84; 0;42937  
17; 6377.6; 17-MAY-2010 16:02:52; Dark ; 41.0; 45; Alp Pav ; 1.94; 26000;occ; 82; 0;42937  
18; 6805.2; 17-MAY-2010 16:10:00; Dark ; 40.5; 141; Bet Ara ; 2.84; 4600;occ; 81; 0;42937  
19; 6989.7; 17-MAY-2010 16:13:04; Dark ; 55.0; 38; 20Eps Sgr ; 1.84; 11000;occ; 110; 0;42937  
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 4; 1852.4; 17-MAY-2010 16:28:03; Bright; 48.5; 120; 1Del Oph ; 2.73; 3200;occ; 97; 0;42937  
 5; 2041.6; 17-MAY-2010 16:31:12; Bright; 43.5; 102; 24Alp Ser ; 2.60; 4250;occ; 87; 0;42937  
 6; 2378.8; 17-MAY-2010 16:36:49; Bright; 37.0; 83; ; 2.38; 11000;occ; 74; 0;42937  
 7; 2567.5; 17-MAY-2010 16:39:58; Bright; 39.0; 180; 27Gam Boo ; 3.04; 8000;occ; 78; 0;42937  
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 12; 4770.2; 17-MAY-2010 17:16:41; Dark ; 43.0; 140; 88Gam Peg ; 2.83; 26000;occ; 86; 0;42937  
 13; 4874.1; 17-MAY-2010 17:18:24; Dark ; 57.5; 90; 54Alp Peg ; 2.49; 11000;occ; 115; 0;42937  
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 17; 6046.3; 17-MAY-2010 17:37:57; Dark ; 44.0; 31; Alp Gru ; 1.73; 15200;occ; 88; 0;42938  
 18; 6378.5; 17-MAY-2010 17:43:29; Dark ; 41.5; 45; Alp Pav ; 1.94; 26000;occ; 83; 0;42938  
 19; 6805.5; 17-MAY-2010 17:50:36; Dark ; 50.0; 141; Bet Ara ; 2.84; 4600;occ; 100; 0;42938  
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 12; 3959.9; 17-MAY-2010 18:43:46; Bright; 35.5; 74; 11Bet Cas ; 2.27; 6600;occ; 71; 0;42938  
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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
7; 928.9; 18-MAY-2010 02:16:15; Dark ; 53.0; 40; The Sco ; 1.86; 7100;occ; 106; 0;42943
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 19; 7104.9; 21-MAY-2010 10:47:19; Dark ; 51.5; 25; 35Lam Sco ; 1.62; 28000;occ; 103; 0;42991  
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 6; 3058.7; 21-MAY-2010 11:20:29; Bright; 41.0; 119; 14Eta Dra ; 2.73; 4700;occ; 82; 0;42991  
 7; 3175.0; 21-MAY-2010 11:22:25; Bright; 39.0; 60; 7Bet UMi ; 2.08; 3950;occ; 78; 0;42991  
 8; 3937.4; 21-MAY-2010 11:35:08; Bright; 35.5; 76; 27Gam Cas ; 2.30; 30000;occ; 71; 0;42991  
 9; 4010.0; 21-MAY-2010 11:36:20; Bright; 35.5; 68; 18Alp Cas ; 2.22; 4500;occ; 71; 0;42991  
 10; 4526.9; 21-MAY-2010 11:44:57; Dark ; 46.5; 58; 21Alp And ; 2.07; 11000;occ; 93; 0;42991  
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 12; 5745.9; 21-MAY-2010 12:05:16; Dark ; 54.0; 18; 24Alp PsA ; 1.17; 9700;occ; 108; 0;42991  
 13; 5899.7; 21-MAY-2010 12:07:50; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;42991  
 14; 5992.3; 21-MAY-2010 12:09:23; Dark ; 45.0; 63; Bet Gru ; 2.15; 2800;occ; 90; 0;42991  
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 16; 6416.3; 21-MAY-2010 12:16:27; Dark ; 43.0; 45; Alp Pav ; 1.94; 26000;occ; 86; 0;42992  
 17; 6831.1; 21-MAY-2010 12:23:21; Dark ; 43.5; 141; Bet Ara ; 2.84; 4600;occ; 87; 0;42992  
 18; 6994.6; 21-MAY-2010 12:26:05; Dark ; 47.0; 40; The Sco ; 1.86; 7100;occ; 94; 0;42992  
 19; 7105.4; 21-MAY-2010 12:27:56; Dark ; 51.5; 25; 35Lam Sco ; 1.62; 28000;occ; 103; 0;42992  
 20; 7233.2; 21-MAY-2010 12:30:04; Dark ; 48.0; 75; 26Eps Sco ; 2.29; 4250;occ; 96; 0;42992  
 21; 7408.7; 21-MAY-2010 12:32:59; Dark ; 51.5; 16; 21Alp Sco ; 1.02; 3000;occ; 103; 0;42992  
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 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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 9; 4527.5; 21-MAY-2010 13:25:34; Dark ; 46.0; 58; 21Alp And ; 2.07; 11000;occ; 92; 0;42992  
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16; 6831.6; 21-MAY-2010 14:03:58; Dark ; 40.5; 141; Bet Ara ; 2.84; 4600;occ; 81; 0;42993
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11; 964.6; 22-MAY-2010 06:52:46; Dark ; 50.0; 40; The Sco ; 1.86; 7100;occ; 100; 0;43003
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11; 4791.9; 22-MAY-2010 07:56:33; Dark ; 47.0; 140; 88Gam Peg ; 2.83; 26000;occ; 94; 0;43003
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 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  
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 6; 3053.6; 22-MAY-2010 09:08:11; Bright; 41.5; 119; 14Eta Dra ; 2.73; 4700;occ; 83; 0;43004  
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 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  
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 16; 6426.4; 22-MAY-2010 11:45:00; Dark ; 41.5; 45; Alp Pav ; 1.94; 26000;occ; 83; 0;43006  
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 18; 7002.4; 22-MAY-2010 11:54:36; Dark ; 50.5; 40; The Sco ; 1.86; 7100;occ; 101; 0;43006  
 19; 7113.4; 22-MAY-2010 11:56:27; Dark ; 55.0; 25; 35Lam Sco ; 1.62; 28000;occ; 110; 0;43006  
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 3; 1734.2; 23-MAY-2010 14:56:58; Bright; 36.0; 104; 27Bet Lib ; 2.61; 13100;occ; 72; 0;43022
 4; 1840.5; 23-MAY-2010 14:58:44; Bright; 44.0; 120; 1Del Oph ; 2.73; 3200;occ; 88; 0;43022
 5; 2024.8; 23-MAY-2010 15:01:49; Bright; 40.0; 102; 24Alp Ser ; 2.60; 4250;occ; 80; 0;43022
 6; 2370.2; 23-MAY-2010 15:07:34; Bright; 36.5; 83; ; 2.38; 11000;occ; 73; 0;43022
 7; 3046.2; 23-MAY-2010 15:18:50; Bright; 42.5; 119; 14Eta Dra ; 2.73; 4700;occ; 85; 0;43022
 8; 3172.6; 23-MAY-2010 15:20:56; Bright; 34.5; 60; 7Bet UMi ; 2.08; 3950;occ; 69; 0;43022
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12; 4532.4; 23-MAY-2010 15:43:36; Dark ; 47.5; 58; 21Alp And ; 2.07; 11000;occ; 95; 0;43022
13; 4799.0; 23-MAY-2010 15:48:03; Dark ; 45.5; 140; 88Gam Peg ; 2.83; 26000;occ; 91; 0;43022
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15; 5931.4; 23-MAY-2010 16:06:55; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;43022
16; 6015.0; 23-MAY-2010 16:08:19; Dark ; 59.0; 63; Bet Gru ; 2.15; 2800;occ; 118; 0;43022
17; 6106.9; 23-MAY-2010 16:09:51; Dark ; 49.5; 172; Gam Gru ; 3.00; 13100;occ; 99; 0;43023
18; 6438.5; 23-MAY-2010 16:15:22; Dark ; 41.5; 45; Alp Pav ; 1.94; 26000;occ; 83; 0;43023

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 3; 1734.1; 23-MAY-2010 16:37:34; Bright; 38.0; 104; 27Bet Lib ; 2.61; 13100;occ; 76; 0;43023
 4; 1840.3; 23-MAY-2010 16:39:20; Bright; 44.5; 120; 1Del Oph ; 2.73; 3200;occ; 89; 0;43023
 5; 2024.9; 23-MAY-2010 16:42:25; Bright; 40.0; 102; 24Alp Ser ; 2.60; 4250;occ; 80; 0;43023
 6; 2370.2; 23-MAY-2010 16:48:10; Bright; 35.0; 83; ; 2.38; 11000;occ; 70; 0;43023
 7; 3045.9; 23-MAY-2010 16:59:26; Bright; 41.0; 119; 14Eta Dra ; 2.73; 4700;occ; 82; 0;43023
 8; 3172.3; 23-MAY-2010 17:01:32; Bright; 38.0; 60; 7Bet UMi ; 2.08; 3950;occ; 76; 0;43023
 9; 3936.8; 23-MAY-2010 17:14:17; Bright; 34.5; 76; 27Gam Cas ; 2.30; 30000;occ; 69; 0;43023
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11; 4380.5; 23-MAY-2010 17:21:40; Bright; 38.5; 53; 43Bet And ; 2.05; 3300;occ; 77; 0;43023
12; 4532.8; 23-MAY-2010 17:24:13; Dark ; 49.0; 58; 21Alp And ; 2.07; 11000;occ; 98; 0;43023
13; 4799.5; 23-MAY-2010 17:28:39; Dark ; 47.0; 140; 88Gam Peg ; 2.83; 26000;occ; 94; 0;43023
14; 5776.9; 23-MAY-2010 17:44:57; Dark ; 53.5; 18; 24Alp PsA ; 1.17; 9700;occ; 107; 0;43023
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16; 6015.9; 23-MAY-2010 17:48:56; Dark ; 55.0; 63; Bet Gru ; 2.15; 2800;occ; 110; 0;43023
17; 6108.1; 23-MAY-2010 17:50:28; Dark ; 48.5; 172; Gam Gru ; 3.00; 13100;occ; 97; 0;43024
18; 6439.2; 23-MAY-2010 17:55:59; Dark ; 42.0; 45; Alp Pav ; 1.94; 26000;occ; 84; 0;43024
19; 6846.0; 23-MAY-2010 18:02:46; Dark ; 40.0; 141; Bet Ara ; 2.84; 4600;occ; 80; 0;43024
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 3; 1209.2; 23-MAY-2010 18:09:25; Dark ; 48.5; 75; 26Eps Sco ; 2.29; 4250;occ; 97; 0;43024
 4; 1381.0; 23-MAY-2010 18:12:17; Dark ; 60.0; 16; 21Alp Sco ; 1.02; 3000;occ; 120; 0;43024
 5; 1524.7; 23-MAY-2010 18:14:41; Bright; 42.0; 97; 8Bet1Sco ; 2.56; 30000;occ; 84; 0;43024
 6; 1734.2; 23-MAY-2010 18:18:10; Bright; 44.5; 104; 27Bet Lib ; 2.61; 13100;occ; 89; 0;43024
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 9; 2370.1; 23-MAY-2010 18:28:46; Bright; 38.5; 83; ; 2.38; 11000;occ; 77; 0;43024
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11; 3172.2; 23-MAY-2010 18:42:08; Bright; 35.0; 60; 7Bet UMi ; 2.08; 3950;occ; 70; 0;43024
12; 3936.4; 23-MAY-2010 18:54:52; Bright; 54.0; 76; 27Gam Cas ; 2.30; 30000;occ; 108; 0;43024
13; 4008.5; 23-MAY-2010 18:56:04; Bright; 55.0; 68; 18Alp Cas ; 2.22; 4500;occ; 110; 0;43024
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16; 4799.9; 23-MAY-2010 19:09:16; Dark ; 45.5; 140; 88Gam Peg ; 2.83; 26000;occ; 91; 0;43024
17; 5778.0; 23-MAY-2010 19:25:34; Dark ; 53.0; 18; 24Alp PsA ; 1.17; 9700;occ; 106; 0;43024
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20; 6846.1; 23-MAY-2010 19:43:22; Dark ; 46.5; 141; Bet Ara ; 2.84; 4600;occ; 93; 0;43025
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 4; 404.7; 23-MAY-2010 21:17:13; Dark ; 43.0; 45; Alp Pav ; 1.94; 26000;occ; 86; 0;43026
 5; 810.6; 23-MAY-2010 21:23:58; Dark ; 46.5; 141; Bet Ara ; 2.84; 4600;occ; 93; 0;43026
 6; 977.3; 23-MAY-2010 21:26:45; Dark ; 49.0; 40; The Sco ; 1.86; 7100;occ; 98; 0;43026
 7; 1088.1; 23-MAY-2010 21:28:36; Dark ; 52.5; 25; 35Lam Sco ; 1.62; 28000;occ; 105; 0;43026
 8; 1210.1; 23-MAY-2010 21:30:38; Dark ; 48.0; 75; 26Eps Sco ; 2.29; 4250;occ; 96; 0;43026
 9; 1381.4; 23-MAY-2010 21:33:29; Dark ; 55.0; 16; 21Alp Sco ; 1.02; 3000;occ; 110; 0;43026
10; 1525.3; 23-MAY-2010 21:35:53; Bright; 41.0; 97; 8Bet1Sco ; 2.56; 30000;occ; 82; 0;43026
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13; 2369.8; 23-MAY-2010 21:49:58; Bright; 41.0; 83; ; 2.38; 11000;occ; 82; 0;43026
14; 3044.4; 23-MAY-2010 22:01:12; Bright; 38.5; 119; 14Eta Dra ; 2.73; 4700;occ; 77; 0;43026
15; 3172.0; 23-MAY-2010 22:03:20; Bright; 38.5; 60; 7Bet UMi ; 2.08; 3950;occ; 77; 0;43026
16; 3936.5; 23-MAY-2010 22:16:04; Bright; 37.5; 76; 27Gam Cas ; 2.30; 30000;occ; 75; 0;43026
17; 4008.5; 23-MAY-2010 22:17:16; Bright; 55.0; 68; 18Alp Cas ; 2.22; 4500;occ; 110; 0;43026
18; 4381.1; 23-MAY-2010 22:23:29; Bright; 38.5; 53; 43Bet And ; 2.05; 3300;occ; 77; 0;43026
19; 4533.1; 23-MAY-2010 22:26:01; Dark ; 51.5; 58; 21Alp And ; 2.07; 11000;occ; 103; 0;43026
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 7; 1088.7; 23-MAY-2010 23:09:12; Dark ; 50.0; 25; 35Lam Sco ; 1.62; 28000;occ; 100; 0;43027  
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 9; 1381.6; 23-MAY-2010 23:14:05; Dark ; 56.0; 16; 21Alp Sco ; 1.02; 3000;occ; 112; 0;43027  
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 14; 2370.0; 23-MAY-2010 23:30:34; Bright; 36.0; 83; ; 2.38; 11000;occ; 72; 0;43027  
 15; 3044.4; 23-MAY-2010 23:41:48; Bright; 41.0; 119; 14Eta Dra ; 2.73; 4700;occ; 82; 0;43027  
 16; 3171.9; 23-MAY-2010 23:43:56; Bright; 38.0; 60; 7Bet UMi ; 2.08; 3950;occ; 76; 0;43027  
 17; 3936.3; 23-MAY-2010 23:56:40; Bright; 54.0; 76; 27Gam Cas ; 2.30; 30000;occ; 108; 0;43027  
 18; 4008.5; 23-MAY-2010 23:57:52; Bright; 55.0; 68; 18Alp Cas ; 2.22; 4500;occ; 110; 0;43027  
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 4; 405.9; 24-MAY-2010 00:38:25; Dark ; 42.5; 45; Alp Pav ; 1.94; 26000;occ; 85; 0;43028  
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 6; 978.6; 24-MAY-2010 00:47:58; Dark ; 53.0; 40; The Sco ; 1.86; 7100;occ; 106; 0;43028  
 7; 1089.1; 24-MAY-2010 00:49:49; Dark ; 49.5; 25; 35Lam Sco ; 1.62; 28000;occ; 99; 0;43028  
 8; 1211.2; 24-MAY-2010 00:51:51; Dark ; 53.5; 75; 26Eps Sco ; 2.29; 4250;occ; 107; 0;43028  
 9; 1381.7; 24-MAY-2010 00:54:41; Dark ; 50.0; 16; 21Alp Sco ; 1.02; 3000;occ; 100; 0;43028  
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 11; 1734.4; 24-MAY-2010 01:00:34; Bright; 38.5; 104; 27Bet Lib ; 2.61; 13100;occ; 77; 0;43028  
 12; 1839.7; 24-MAY-2010 01:02:19; Bright; 44.5; 120; 1Del Oph ; 2.73; 3200;occ; 89; 0;43028  
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 15; 3043.9; 24-MAY-2010 01:22:23; Bright; 36.5; 119; 14Eta Dra ; 2.73; 4700;occ; 73; 0;43028  
 16; 3171.7; 24-MAY-2010 01:24:31; Bright; 36.5; 60; 7Bet UMi ; 2.08; 3950;occ; 73; 0;43028  
 17; 3936.5; 24-MAY-2010 01:37:16; Bright; 50.0; 76; 27Gam Cas ; 2.30; 30000;occ; 100; 0;43028  
 18; 4008.4; 24-MAY-2010 01:38:28; Bright; 55.0; 68; 18Alp Cas ; 2.22; 4500;occ; 110; 0;43028  
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 3; -98.3; 24-MAY-2010 02:10:37; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;43028  
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 5; 406.7; 24-MAY-2010 02:19:02; Dark ; 42.0; 45; Alp Pav ; 1.94; 26000;occ; 84; 0;43029  
 6; 812.0; 24-MAY-2010 02:25:47; Dark ; 43.0; 141; Bet Ara ; 2.84; 4600;occ; 86; 0;43029  
 7; 979.2; 24-MAY-2010 02:28:35; Dark ; 49.5; 40; The Sco ; 1.86; 7100;occ; 99; 0;43029  
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 13; 1839.7; 24-MAY-2010 02:42:55; Bright; 45.0; 120; 1Del Oph ; 2.73; 3200;occ; 90; 0;43029  
 14; 2023.9; 24-MAY-2010 02:45:59; Bright; 40.5; 102; 24Alp Ser ; 2.60; 4250;occ; 81; 0;43029  
 15; 2369.7; 24-MAY-2010 02:51:45; Bright; 39.5; 83; ; 2.38; 11000;occ; 79; 0;43029  
 16; 3043.3; 24-MAY-2010 03:02:59; Bright; 37.0; 119; 14Eta Dra ; 2.73; 4700;occ; 74; 0;43029  
 17; 3171.8; 24-MAY-2010 03:05:07; Bright; 37.0; 60; 7Bet UMi ; 2.08; 3950;occ; 74; 0;43029

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 5; -1234.2; 24-MAY-2010 03:32:17; Dark ; 46.5; 140; 88Gam Peg ; 2.83; 26000;occ; 93; 0;43029



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9; 85.7; 24-MAY-2010 03:54:17; Dark ; 43.0; 31; Alp Gru ; 1.73; 15200;occ; 86; 0;43030
10; 407.6; 24-MAY-2010 03:59:39; Dark ; 42.0; 45; Alp Pav ; 1.94; 26000;occ; 84; 0;43030
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13; 1090.3; 24-MAY-2010 04:11:02; Dark ; 49.0; 25; 35Lam Sco ; 1.62; 28000;occ; 98; 0;43030
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6; 817.2; 24-MAY-2010 22:33:04; Dark ; 42.5; 141; Bet Ara ; 2.84; 4600;occ; 85; 0;43041
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 6; 3171.3; 24-MAY-2010 11:28:06; Bright; 37.0; 60; 7Bet UMi ; 2.08; 3950;occ; 74; 0;43034  
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 11; 4803.4; 24-MAY-2010 11:55:18; Dark ; 45.5; 140; 88Gam Peg ; 2.83; 26000;occ; 91; 0;43034  
 12; 5333.2; 24-MAY-2010 12:04:08; Dark ; 45.0; 52; 16Bet Cet ; 2.04; 4500;occ; 90; 0;43034  
 13; 5871.3; 24-MAY-2010 12:13:06; Dark ; 54.5; 0; ; 0.00; 0;occ; 109; 0;43034  
 14; 6023.8; 24-MAY-2010 12:15:39; Dark ; 51.5; 63; Bet Gru ; 2.15; 2800;occ; 103; 0;43034  
 15; 6125.8; 24-MAY-2010 12:17:21; Dark ; 44.0; 31; Alp Gru ; 1.73; 15200;occ; 88; 0;43035  
 16; 6447.0; 24-MAY-2010 12:22:42; Dark ; 41.5; 45; Alp Pav ; 1.94; 26000;occ; 83; 0;43035  
 17; 6850.8; 24-MAY-2010 12:29:26; Dark ; 48.0; 141; Bet Ara ; 2.84; 4600;occ; 96; 0;43035  
 18; 7018.2; 24-MAY-2010 12:32:13; Dark ; 49.0; 40; The Sco ; 1.86; 7100;occ; 98; 0;43035  
 19; 7128.7; 24-MAY-2010 12:34:04; Dark ; 48.5; 25; 35Lam Sco ; 1.62; 28000;occ; 97; 0;43035  
 20; 7249.3; 24-MAY-2010 12:36:04; Dark ; 49.0; 75; 26Eps Sco ; 2.29; 4250;occ; 98; 0;43035  
 21; 7419.9; 24-MAY-2010 12:38:55; Dark ; 60.0; 16; 21Alp Sco ; 1.02; 3000;occ; 120; 0;43035  
 22; 7562.5; 24-MAY-2010 12:41:18; Bright; 40.5; 97; 8Bet1Sco ; 2.56; 30000;occ; 81; 0;43035

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 2; 1839.0; 24-MAY-2010 12:46:30; Bright; 43.5; 120; 1Del Oph ; 2.73; 3200;occ; 87; 0;43035  
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 13; 6024.8; 24-MAY-2010 13:56:16; Dark ; 49.0; 63; Bet Gru ; 2.15; 2800;occ; 98; 0;43035  
 14; 6126.7; 24-MAY-2010 13:57:58; Dark ; 45.5; 31; Alp Gru ; 1.73; 15200;occ; 91; 0;43036  
 15; 6447.5; 24-MAY-2010 14:03:18; Dark ; 46.5; 45; Alp Pav ; 1.94; 26000;occ; 93; 0;43036  
 16; 6851.0; 24-MAY-2010 14:10:02; Dark ; 44.0; 141; Bet Ara ; 2.84; 4600;occ; 88; 0;43036  
 17; 7018.8; 24-MAY-2010 14:12:50; Dark ; 50.0; 40; The Sco ; 1.86; 7100;occ; 100; 0;43036  
 18; 7129.0; 24-MAY-2010 14:14:40; Dark ; 51.0; 25; 35Lam Sco ; 1.62; 28000;occ; 102; 0;43036  
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 4; 2022.9; 24-MAY-2010 14:30:10; Bright; 39.5; 102; 24Alp Ser ; 2.60; 4250;occ; 79; 0;43036  
 5; 2369.5; 24-MAY-2010 14:35:56; Bright; 38.5; 83; ; 2.38; 11000;occ; 77; 0;43036  
 6; 3041.0; 24-MAY-2010 14:47:08; Bright; 41.0; 119; 14Eta Dra ; 2.73; 4700;occ; 82; 0;43036  
 7; 3171.4; 24-MAY-2010 14:49:18; Bright; 37.0; 60; 7Bet UMi ; 2.08; 3950;occ; 74; 0;43036  
 8; 3936.3; 24-MAY-2010 15:02:03; Bright; 35.5; 76; 27Gam Cas ; 2.30; 30000;occ; 71; 0;43036  
 9; 4008.2; 24-MAY-2010 15:03:15; Bright; 43.5; 68; 18Alp Cas ; 2.22; 4500;occ; 87; 0;43036  
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 11; 4535.0; 24-MAY-2010 15:12:02; Dark ; 46.5; 58; 21Alp And ; 2.07; 11000;occ; 93; 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  
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 17; 6448.4; 24-MAY-2010 15:43:55; Dark ; 43.5; 45; Alp Pav ; 1.94; 26000;occ; 87; 0;43037  
 18; 6851.5; 24-MAY-2010 15:50:38; Dark ; 43.0; 141; Bet Ara ; 2.84; 4600;occ; 86; 0;43037  
 19; 7019.5; 24-MAY-2010 15:53:26; Dark ; 48.5; 40; The Sco ; 1.86; 7100;occ; 97; 0;43037  
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 3; 1735.3; 24-MAY-2010 16:05:58; Bright; 38.5; 104; 27Bet Lib ; 2.61; 13100;occ; 77; 0;43037  
 4; 1839.1; 24-MAY-2010 16:07:42; Bright; 44.5; 120; 1Del Oph ; 2.73; 3200;occ; 89; 0;43037  
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 6; 3040.4; 24-MAY-2010 16:27:43; Bright; 42.0; 119; 14Eta Dra ; 2.73; 4700;occ; 84; 0;43037  
 7; 3171.2; 24-MAY-2010 16:29:54; Bright; 37.5; 60; 7Bet UMi ; 2.08; 3950;occ; 75; 0;43037  
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 9; 4008.0; 24-MAY-2010 16:43:51; Bright; 55.0; 68; 18Alp Cas ; 2.22; 4500;occ; 110; 0;43037  
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 11; 4535.0; 24-MAY-2010 16:52:38; Dark ; 49.5; 58; 21Alp And ; 2.07; 11000;occ; 99; 0;43037  
 12; 4804.7; 24-MAY-2010 16:57:08; Dark ; 46.5; 140; 88Gam Peg ; 2.83; 26000;occ; 93; 0;43037  
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 14; 5859.5; 24-MAY-2010 17:14:42; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 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  
 8; 2022.8; 24-MAY-2010 17:51:22; Bright; 39.5; 102; 24Alp Ser ; 2.60; 4250;occ; 79; 0;43038  
 9; 2369.4; 24-MAY-2010 17:57:08; Bright; 40.0; 83; ; 2.38; 11000;occ; 80; 0;43038  
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 11; 3171.1; 24-MAY-2010 18:10:30; Bright; 34.5; 60; 7Bet UMi ; 2.08; 3950;occ; 69; 0;43038  
 12; 3935.9; 24-MAY-2010 18:23:15; Bright; 54.0; 76; 27Gam Cas ; 2.30; 30000;occ; 108; 0;43038  
 13; 4007.9; 24-MAY-2010 18:24:27; Bright; 53.0; 68; 18Alp Cas ; 2.22; 4500;occ; 106; 0;43038  
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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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18; 5860.0; 24-MAY-2010 18:55:19; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;43038
19; 6026.8; 24-MAY-2010 18:58:06; Dark ; 46.0; 63; Bet Gru ; 2.15; 2800;occ; 92; 0;43038
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22; 6852.5; 24-MAY-2010 19:11:51; Dark ; 47.0; 141; Bet Ara ; 2.84; 4600;occ; 94; 0;43039
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 9; 2369.6; 24-MAY-2010 19:37:44; Bright; 35.5; 83; ; 2.38; 11000;occ; 71; 0;43039
10; 3039.7; 24-MAY-2010 19:48:55; Bright; 40.5; 119; 14Eta Dra ; 2.73; 4700;occ; 81; 0;43039
11; 3171.2; 24-MAY-2010 19:51:06; Bright; 37.5; 60; 7Bet UMi ; 2.08; 3950;occ; 75; 0;43039
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13; 4007.8; 24-MAY-2010 20:05:03; Bright; 35.5; 68; 18Alp Cas ; 2.22; 4500;occ; 71; 0;43039
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15; 4535.6; 24-MAY-2010 20:13:50; Dark ; 48.0; 58; 21Alp And ; 2.07; 11000;occ; 96; 0;43039
16; 4805.2; 24-MAY-2010 20:18:20; Dark ; 47.0; 140; 88Gam Peg ; 2.83; 26000;occ; 94; 0;43039
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17; 1736.1; 25-MAY-2010 03:50:10; Bright; 38.0; 104; 27Bet Lib ; 2.61; 13100;occ; 76; 0;43044

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 9; 1220.8; 25-MAY-2010 22:08:10; Dark ; 49.0; 75; 26Eps Sco ; 2.29; 4250;occ; 98; 0;43055
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13; 1837.7; 25-MAY-2010 22:18:27; Bright; 43.0; 120; 1Del Oph ; 2.73; 3200;occ; 86; 0;43055
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16; 3034.1; 25-MAY-2010 22:38:24; Bright; 40.5; 119; 14Eta Dra ; 2.73; 4700;occ; 81; 0;43055
17; 3170.0; 25-MAY-2010 22:40:40; Bright; 39.0; 60; 7Bet UMi ; 2.08; 3950;occ; 78; 0;43055
18; 3935.6; 25-MAY-2010 22:53:25; Bright; 54.0; 76; 27Gam Cas ; 2.30; 30000;occ; 108; 0;43055
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22; 4811.9; 25-MAY-2010 23:08:01; Dark ; 48.0; 140; 88Gam Peg ; 2.83; 26000;occ; 96; 0;43055
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 9; 1221.1; 25-MAY-2010 23:48:47; Dark ; 47.0; 75; 26Eps Sco ; 2.29; 4250;occ; 94; 0;43056
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13; 1837.7; 25-MAY-2010 23:59:03; Bright; 42.5; 120; 1Del Oph ; 2.73; 3200;occ; 85; 0;43056
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15; 2384.5; 26-MAY-2010 00:08:10; Bright; 38.0; 67; 5Alp CrB ; 2.22; 11000;occ; 76; 0;43056
16; 3033.6; 26-MAY-2010 00:18:59; Bright; 36.5; 119; 14Eta Dra ; 2.73; 4700;occ; 73; 0;43056
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18; 3935.3; 26-MAY-2010 00:34:01; Bright; 54.0; 76; 27Gam Cas ; 2.30; 30000;occ; 108; 0;43056
19; 4006.8; 26-MAY-2010 00:35:12; Bright; 38.5; 68; 18Alp Cas ; 2.22; 4500;occ; 77; 0;43056
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22; 4811.9; 26-MAY-2010 00:48:37; Dark ; 44.5; 140; 88Gam Peg ; 2.83; 26000;occ; 89; 0;43056
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 2; 420.0; 25-MAY-2010 10:10:38; Dark ; 41.0; 45; Alp Pav ; 1.94; 26000;occ; 82; 0;43048
 3; 820.4; 25-MAY-2010 10:17:18; Dark ; 41.5; 141; Bet Ara ; 2.84; 4600;occ; 83; 0;43048
 4; 989.2; 25-MAY-2010 10:20:07; Dark ; 46.5; 40; The Sco ; 1.86; 7100;occ; 93; 0;43048
 5; 1101.2; 25-MAY-2010 10:21:59; Dark ; 46.0; 115; 34Ups Sco ; 2.70; 26000;occ; 92; 0;43048
 6; 1218.3; 25-MAY-2010 10:23:56; Dark ; 47.5; 75; 26Eps Sco ; 2.29; 4250;occ; 95; 0;43048
 7; 1387.0; 25-MAY-2010 10:26:45; Dark ; 57.0; 16; 21Alp Sco ; 1.02; 3000;occ; 114; 0;43048

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3; 2021.6; 25-MAY-2010 10:37:20; Bright; 38.5; 102; 24Alp Ser ; 2.60; 4250;occ; 77; 0;43048
4; 2368.7; 25-MAY-2010 10:43:07; Bright; 39.0; 83; ; 2.38; 11000;occ; 78; 0;43048
5; 3036.6; 25-MAY-2010 10:54:15; Bright; 40.5; 119; 14Eta Dra ; 2.73; 4700;occ; 81; 0;43048
6; 3170.7; 25-MAY-2010 10:56:29; Bright; 38.5; 60; 7Bet UMi ; 2.08; 3950;occ; 77; 0;43048
7; 3935.6; 25-MAY-2010 11:09:14; Bright; 54.0; 76; 27Gam Cas ; 2.30; 30000;occ; 108; 0;43048
8; 4007.4; 25-MAY-2010 11:10:25; Bright; 37.0; 68; 18Alp Cas ; 2.22; 4500;occ; 74; 0;43048
9; 4383.4; 25-MAY-2010 11:16:41; Bright; 39.0; 53; 43Bet And ; 2.05; 3300;occ; 78; 0;43048
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12; 5339.7; 25-MAY-2010 11:32:38; Dark ; 46.0; 52; 16Bet Cet ; 2.04; 4500;occ; 92; 0;43048
13; 5865.5; 25-MAY-2010 11:41:24; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;43048
14; 6034.6; 25-MAY-2010 11:44:13; Dark ; 59.0; 63; Bet Gru ; 2.15; 2800;occ; 118; 0;43048
15; 6138.3; 25-MAY-2010 11:45:56; Dark ; 46.0; 31; Alp Gru ; 1.73; 15200;occ; 92; 0;43049
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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19; 7137.2; 25-MAY-2010 12:02:35; Dark ; 47.5; 115; 34Ups Sco ; 2.70; 26000;occ; 95; 0;43049
20; 7254.4; 25-MAY-2010 12:04:32; Dark ; 56.5; 75; 26Eps Sco ; 2.29; 4250;occ; 113; 0;43049
21; 7423.4; 25-MAY-2010 12:07:21; Dark ; 59.0; 16; 21Alp Sco ; 1.02; 3000;occ; 118; 0;43049
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4; 2369.0; 25-MAY-2010 12:23:43; Bright; 38.5; 83; ; 2.38; 11000;occ; 77; 0;43049
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6; 3170.4; 25-MAY-2010 12:37:04; Bright; 38.0; 60; 7Bet UMi ; 2.08; 3950;occ; 76; 0;43049
7; 3935.7; 25-MAY-2010 12:49:50; Bright; 35.0; 76; 27Gam Cas ; 2.30; 30000;occ; 70; 0;43049
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4; 2021.4; 25-MAY-2010 13:58:31; Bright; 39.0; 102; 24Alp Ser ; 2.60; 4250;occ; 78; 0;43050
5; 2368.8; 25-MAY-2010 14:04:19; Bright; 37.0; 83; ; 2.38; 11000;occ; 74; 0;43050
6; 3035.6; 25-MAY-2010 14:15:25; Bright; 39.0; 119; 14Eta Dra ; 2.73; 4700;occ; 78; 0;43050
7; 3170.3; 25-MAY-2010 14:17:40; Bright; 42.0; 60; 7Bet UMi ; 2.08; 3950;occ; 84; 0;43050
8; 3935.9; 25-MAY-2010 14:30:26; Bright; 39.5; 76; 27Gam Cas ; 2.30; 30000;occ; 79; 0;43050
9; 4007.5; 25-MAY-2010 14:31:37; Bright; 55.0; 68; 18Alp Cas ; 2.22; 4500;occ; 110; 0;43050
10; 4384.0; 25-MAY-2010 14:37:54; Bright; 39.0; 53; 43Bet And ; 2.05; 3300;occ; 78; 0;43050
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16; 6458.4; 25-MAY-2010 15:12:28; Dark ; 41.5; 45; Alp Pav ; 1.94; 26000;occ; 83; 0;43051
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19; 7136.8; 25-MAY-2010 15:23:47; Dark ; 51.0; 25; 35Lam Sco ; 1.62; 28000;occ; 102; 0;43051
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6; 1529.5; 25-MAY-2010 20:32:43; Bright; 42.0; 97; 8Bet1Sco ; 2.56; 30000;occ; 84; 0;43054  
7; 1737.0; 25-MAY-2010 20:36:11; Bright; 37.0; 104; 27Bet Lib ; 2.61; 13100;occ; 74; 0;43054  
8; 1837.8; 25-MAY-2010 20:37:51; Bright; 45.0; 120; 1Del Oph ; 2.73; 3200;occ; 90; 0;43054  
9; 2020.5; 25-MAY-2010 20:40:54; Bright; 39.5; 102; 24Alp Ser ; 2.60; 4250;occ; 79; 0;43054  
10; 2385.0; 25-MAY-2010 20:46:59; Bright; 40.5; 67; 5Alp CrB ; 2.22; 11000;occ; 81; 0;43054  
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13; 3935.7; 25-MAY-2010 21:12:49; Bright; 54.0; 76; 27Gam Cas ; 2.30; 30000;occ; 108; 0;43054  
14; 4006.8; 25-MAY-2010 21:14:00; Bright; 39.0; 68; 18Alp Cas ; 2.22; 4500;occ; 78; 0;43054  
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16; 4538.4; 25-MAY-2010 21:22:52; Dark ; 49.0; 58; 21Alp And ; 2.07; 11000;occ; 98; 0;43054  
17; 4811.4; 25-MAY-2010 21:27:25; Dark ; 45.5; 140; 88Gam Peg ; 2.83; 26000;occ; 91; 0;43054

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3; 1529.3; 25-MAY-2010 17:11:31; Bright; 41.0; 97; 8Bet1Sco ; 2.56; 30000;occ; 82; 0;43052  
4; 1736.8; 25-MAY-2010 17:14:59; Bright; 38.0; 104; 27Bet Lib ; 2.61; 13100;occ; 76; 0;43052  
5; 1838.1; 25-MAY-2010 17:16:40; Bright; 43.0; 120; 1Del Oph ; 2.73; 3200;occ; 86; 0;43052  
6; 2021.4; 25-MAY-2010 17:19:43; Bright; 39.0; 102; 24Alp Ser ; 2.60; 4250;occ; 78; 0;43052  
7; 2385.8; 25-MAY-2010 17:25:48; Bright; 40.5; 67; 5Alp CrB ; 2.22; 11000;occ; 81; 0;43052  
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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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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
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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
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7; 1737.4; 26-MAY-2010 01:37:59; Bright; 37.0; 104; 27Bet Lib ; 2.61; 13100;occ; 74; 0;43057
8; 1837.4; 26-MAY-2010 01:39:39; Bright; 43.0; 120; 1Del Oph ; 2.73; 3200;occ; 86; 0;43057
9; 2020.5; 26-MAY-2010 01:42:42; Bright; 39.0; 102; 24Alp Ser ; 2.60; 4250;occ; 78; 0;43057
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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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 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  
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 10; 6.5; 26-MAY-2010 04:30:20; Dark ; 55.5; 63; Bet Gru ; 2.15; 2800;occ; 111; 0;43058  
 11; 111.0; 26-MAY-2010 04:32:04; Dark ; 43.0; 31; Alp Gru ; 1.73; 15200;occ; 86; 0;43059  
 12; 427.8; 26-MAY-2010 04:37:21; Dark ; 42.0; 45; Alp Pav ; 1.94; 26000;occ; 84; 0;43059  
 13; 825.3; 26-MAY-2010 04:43:59; Dark ; 45.0; 141; Bet Ara ; 2.84; 4600;occ; 90; 0;43059  
 14; 994.9; 26-MAY-2010 04:46:48; Dark ; 49.5; 40; The Sco ; 1.86; 7100;occ; 99; 0;43059  
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 13; 1105.3; 26-MAY-2010 06:29:15; Dark ; 48.0; 25; 35Lam Sco ; 1.62; 28000;occ; 96; 0;43060  
 14; 1222.5; 26-MAY-2010 06:31:12; Dark ; 46.5; 75; 26Eps Sco ; 2.29; 4250;occ; 93; 0;43060  
 15; 1351.2; 26-MAY-2010 06:33:20; Dark ; 43.0; 136; 23Tau Sco ; 2.82; 30000;occ; 86; 0;43060  
 16; 1530.5; 26-MAY-2010 06:36:20; Bright; 41.0; 97; 8Bet1Sco ; 2.56; 30000;occ; 82; 0;43060  
 17; 1737.3; 26-MAY-2010 06:39:46; Bright; 9.0; 104; 27Bet Lib ; 2.61; 13100;occ; 18; 0;43060  
 18; 2020.4; 26-MAY-2010 06:44:30; Bright; 38.5; 102; 24Alp Ser ; 2.60; 4250;occ; 77; 0;43060  
 19; 2383.6; 26-MAY-2010 06:50:33; Bright; 57.0; 67; 5Alp CrB ; 2.22; 11000;occ; 114; 0;43060  
 20; 3032.3; 26-MAY-2010 07:01:22; Bright; 41.0; 119; 14Eta Dra ; 2.73; 4700;occ; 82; 0;43060  
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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
4; 3031.8; 26-MAY-2010 08:41:57; Bright; 40.5; 119; 14Eta Dra ; 2.73; 4700;occ; 81; 0;43061
5; 3169.2; 26-MAY-2010 08:44:14; Bright; 35.0; 60; 7Bet UMi ; 2.08; 3950;occ; 70; 0;43061
6; 3935.0; 26-MAY-2010 08:57:00; Bright; 54.0; 76; 27Gam Cas ; 2.30; 30000;occ; 108; 0;43061
7; 4006.9; 26-MAY-2010 08:58:12; Bright; 56.0; 68; 18Alp Cas ; 2.22; 4500;occ; 112; 0;43061
8; 4385.3; 26-MAY-2010 09:04:30; Bright; 39.5; 53; 43Bet And ; 2.05; 3300;occ; 79; 0;43061
9; 4539.4; 26-MAY-2010 09:07:05; Dark ; 51.0; 58; 21Alp And ; 2.07; 11000;occ; 102; 0;43061
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13; 6044.6; 26-MAY-2010 09:32:10; Dark ; 47.5; 63; Bet Gru ; 2.15; 2800;occ; 95; 0;43061
14; 6149.5; 26-MAY-2010 09:33:55; Dark ; 49.0; 31; Alp Gru ; 1.73; 15200;occ; 98; 0;43062
15; 6465.7; 26-MAY-2010 09:39:11; Dark ; 43.5; 45; Alp Pav ; 1.94; 26000;occ; 87; 0;43062
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18; 7142.3; 26-MAY-2010 09:50:27; Dark ; 50.5; 25; 35Lam Sco ; 1.62; 28000;occ; 101; 0;43062
19; 7259.2; 26-MAY-2010 09:52:24; Dark ; 47.0; 75; 26Eps Sco ; 2.29; 4250;occ; 94; 0;43062
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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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3; 2383.1; 26-MAY-2010 10:11:44; Bright; 41.0; 67; 5Alp CrB ; 2.22; 11000;occ; 82; 0;43062
4; 3031.4; 26-MAY-2010 10:22:32; Bright; 38.0; 119; 14Eta Dra ; 2.73; 4700;occ; 76; 0;43062
5; 3169.5; 26-MAY-2010 10:24:51; Bright; 36.0; 60; 7Bet UMi ; 2.08; 3950;occ; 72; 0;43062
6; 3935.0; 26-MAY-2010 10:37:36; Bright; 54.0; 76; 27Gam Cas ; 2.30; 30000;occ; 108; 0;43062
7; 4006.3; 26-MAY-2010 10:38:47; Bright; 39.5; 68; 18Alp Cas ; 2.22; 4500;occ; 79; 0;43062
8; 4385.1; 26-MAY-2010 10:45:06; Bright; 40.0; 53; 43Bet And ; 2.05; 3300;occ; 80; 0;43062
9; 4539.4; 26-MAY-2010 10:47:40; Dark ; 50.0; 58; 21Alp And ; 2.07; 11000;occ; 100; 0;43062
10; 4814.5; 26-MAY-2010 10:52:16; Dark ; 46.0; 140; 88Gam Peg ; 2.83; 26000;occ; 92; 0;43062
11; 5346.2; 26-MAY-2010 11:01:07; Dark ; 41.0; 52; 16Bet Cet ; 2.04; 4500;occ; 82; 0;43062
12; 5873.6; 26-MAY-2010 11:09:55; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;43062
13; 6045.4; 26-MAY-2010 11:12:46; Dark ; 60.0; 63; Bet Gru ; 2.15; 2800;occ; 120; 0;43063
14; 6150.3; 26-MAY-2010 11:14:31; Dark ; 50.5; 31; Alp Gru ; 1.73; 15200;occ; 101; 0;43063
15; 6466.5; 26-MAY-2010 11:19:48; Dark ; 42.5; 45; Alp Pav ; 1.94; 26000;occ; 85; 0;43063
16; 6862.5; 26-MAY-2010 11:26:24; Dark ; 40.0; 141; Bet Ara ; 2.84; 4600;occ; 80; 0;43063
17; 7032.5; 26-MAY-2010 11:29:14; Dark ; 48.0; 40; The Sco ; 1.86; 7100;occ; 96; 0;43063
18; 7142.7; 26-MAY-2010 11:31:04; Dark ; 49.5; 25; 35Lam Sco ; 1.62; 28000;occ; 99; 0;43063
19; 7259.5; 26-MAY-2010 11:33:01; Dark ; 48.5; 75; 26Eps Sco ; 2.29; 4250;occ; 97; 0;43063
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21; 7566.7; 26-MAY-2010 11:38:08; Bright; 40.0; 97; 8Bet1Sco ; 2.56; 30000;occ; 80; 0;43063
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3; 2382.7; 26-MAY-2010 11:52:20; Bright; 38.5; 67; 5Alp CrB ; 2.22; 11000;occ; 77; 0;43063
4; 3031.1; 26-MAY-2010 12:03:08; Bright; 40.5; 119; 14Eta Dra ; 2.73; 4700;occ; 81; 0;43063
5; 3169.1; 26-MAY-2010 12:05:26; Bright; 53.0; 60; 7Bet UMi ; 2.08; 3950;occ; 106; 0;43063
6; 3935.0; 26-MAY-2010 12:18:12; Bright; 37.5; 76; 27Gam Cas ; 2.30; 30000;occ; 75; 0;43063
7; 4006.5; 26-MAY-2010 12:19:23; Bright; 39.0; 68; 18Alp Cas ; 2.22; 4500;occ; 78; 0;43063
8; 4385.7; 26-MAY-2010 12:25:43; Bright; 39.5; 53; 43Bet And ; 2.05; 3300;occ; 79; 0;43063
9; 4540.3; 26-MAY-2010 12:28:17; Dark ; 48.0; 58; 21Alp And ; 2.07; 11000;occ; 96; 0;43063
10; 4815.9; 26-MAY-2010 12:32:53; Dark ; 44.0; 140; 88Gam Peg ; 2.83; 26000;occ; 88; 0;43063

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 13; 6046.3; 26-MAY-2010 12:53:23; Dark ; 45.0; 63; Bet Gru ; 2.15; 2800;occ; 90; 0;43064  
 14; 6151.7; 26-MAY-2010 12:55:09; Dark ; 45.0; 31; Alp Gru ; 1.73; 15200;occ; 90; 0;43064  
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 16; 6863.6; 26-MAY-2010 13:07:00; Dark ; 42.0; 141; Bet Ara ; 2.84; 4600;occ; 84; 0;43064  
 17; 7033.8; 26-MAY-2010 13:09:51; Dark ; 48.5; 40; The Sco ; 1.86; 7100;occ; 97; 0;43064  
 18; 7143.7; 26-MAY-2010 13:11:41; Dark ; 47.0; 25; 35Lam Sco ; 1.62; 28000;occ; 94; 0;43064  
 19; 7260.5; 26-MAY-2010 13:13:37; Dark ; 47.0; 75; 26Eps Sco ; 2.29; 4250;occ; 94; 0;43064  
 20; 7388.4; 26-MAY-2010 13:15:45; Dark ; 44.0; 136; 23Tau Sco ; 2.82; 30000;occ; 88; 0;43064  
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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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 21; 7260.8; 26-MAY-2010 14:54:14; Dark ; 48.0; 75; 26Eps Sco ; 2.29; 4250;occ; 96; 0;43065  
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3; 1248.7; 31-MAY-2010 18:58:56; Dark ; 46.0; 75; 26Eps Sco ; 2.29; 4250;occ; 92; 0;43139
4; 1371.2; 31-MAY-2010 19:00:59; Dark ; 48.5; 136; 23Tau Sco ; 2.82; 30000;occ; 97; 0;43139
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6; 1590.2; 31-MAY-2010 19:04:38; Bright; 47.5; 86; 35Eta Oph ; 2.43; 10200;occ; 95; 0;43139
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