

# GOMOS Daily Report 24-MAY-2010

## Level 0 and Level 1 products

### SUMMARY

#### [1. General Info](#)

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

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

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

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

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

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

#### [4. Dark Charge monitoring](#)

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

[4.2 Plot of Dark Charge](#)

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

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

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

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

#### [6. Star tangent altitude lost](#)

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

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

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

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

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

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

[7.2 SATU Noise Equivalent Angle statistics](#)

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

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

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

## [Level 2 products](#)

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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	27MAY2010 04:49:55
Data source version	GOMOS/5.00L04
Start time of products	24MAY2010 00:04:05
Stop time of products	24MAY2010 23:59:56
Store outputs in DB	Yes
Nb of level 1b prods	120
Nb of prods with errors	0

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

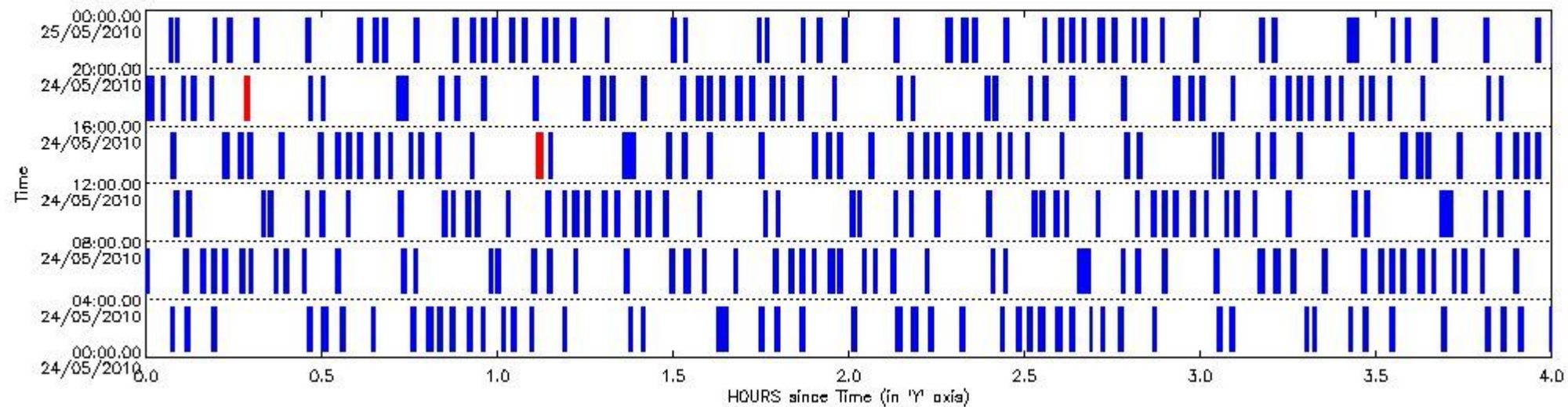
### 2.1 Level 0 products arrived in PCF (see template [here](#))

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

Red segments are missing products.

Blue segments are available products.

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



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

UTC start time	Star name	Star ID	Orbit
24-MAY-2010 13:06:41	14EtaDra	119	43035
24-MAY-2010 16:16:41		83	43037

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

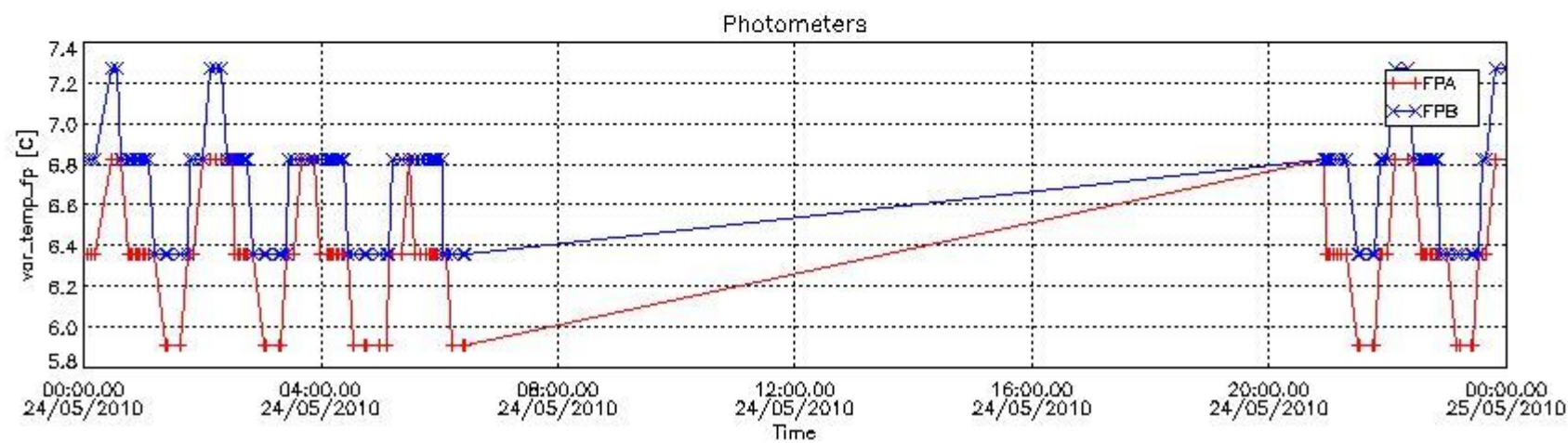
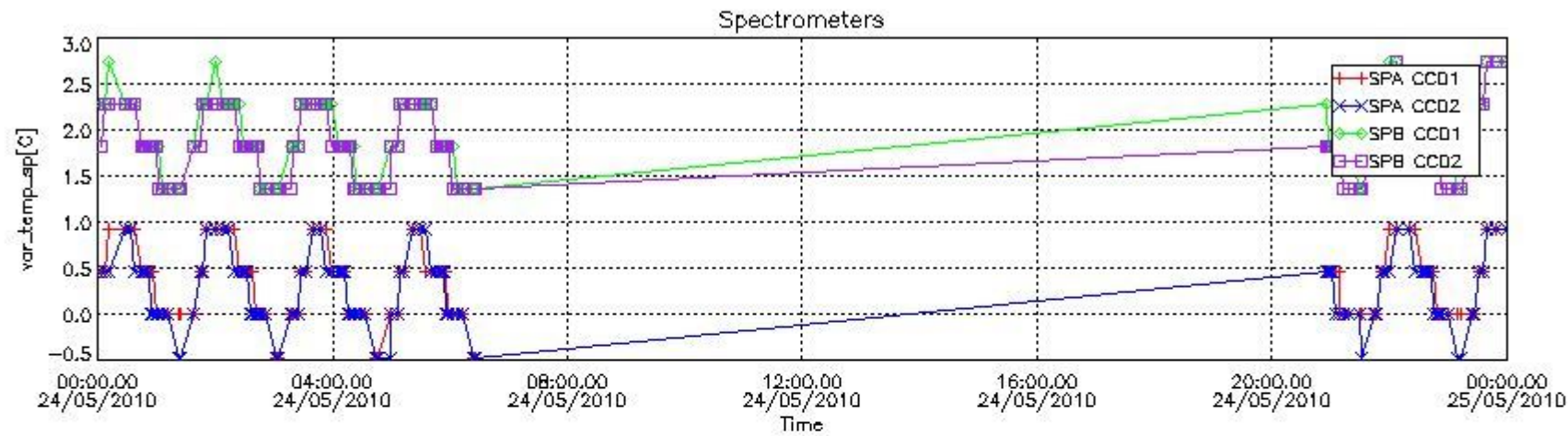
Nr	Filename	UTC Start time	Limb	Duration	Star Id	Star Name	Star Mag	Star Temp	Nb Meas	Orbit	Prod. error
1	GOM_TRA_1PNPDE20100524_000405_000000382089_00388_43027_3655.N1	24-MAY-2010 00:04:05	Bright	38.000	53	43Bet And	2.0480	3300.0	76	43027	No
2	GOM_TRA_1PNPDE20100524_000637_000000502089_00388_43027_3656.N1	24-MAY-2010 00:06:37	Twilight_stray	49.500	58	21Alp And	2.0730	11000.	99	43027	No
3	GOM_TRA_1PNPDE20100524_001105_000000452089_00388_43027_3657.N1	24-MAY-2010 00:11:05	Dark	44.500	140	88Gam Peg	2.8340	26000.	89	43027	No
4	GOM_TRA_1PNPDE20100524_002724_000000522089_00388_43027_3661.N1	24-MAY-2010 00:27:24	Dark	52.000	18	24Alp PsA	1.1660	9700.0	104	43027	No
5	GOM_TRA_1PNPDE20100524_003303_000000452089_00389_43028_3662.N1	24-MAY-2010 00:33:03	Dark	45.000	31	Alp Gru	1.7340	15200.	90	43028	No
6	GOM_TRA_1PNPDE20100524_003825_000000432089_00389_43028_3663.N1	24-MAY-2010 00:38:25	Dark	42.500	45	Alp Pav	1.9400	26000.	85	43028	No
7	GOM_TRA_1PNPDE20100524_004511_000000442089_00389_43028_3664.N1	24-MAY-2010 00:45:11	Straylight	44.000	141	Bet Ara	2.8400	4600.0	88	43028	No
8	GOM_TRA_1PNPDE20100524_004758_000000532089_00389_43028_3665.N1	24-MAY-2010 00:47:58	Straylight	53.000	40	The Sco	1.8590	7100.0	106	43028	No
9	GOM_TRA_1PNPDE20100524_004949_000000502089_00389_43028_3666.N1	24-MAY-2010 00:49:49	Straylight	49.500	25	35Lam Sco	1.6200	28000.	99	43028	No

10	GOM_TRA_1PNPDE20100524_005151_000000542089_00389_43028_3667.N1	24-MAY-2010 00:51:51	Twilight	53.500	75	26Eps Sco	2.2910	4250.0	107	43028	No
11	GOM_TRA_1PNPDE20100524_005441_000000502089_00389_43028_3668.N1	24-MAY-2010 00:54:41	Bright	50.000	16	21Alp Sco	1.0200	3000.0	100	43028	No
12	GOM_TRA_1PNPDE20100524_005705_000000412089_00389_43028_3669.N1	24-MAY-2010 00:57:05	Bright	40.500	97	8Bet1Sco	2.5610	30000.	81	43028	No
13	GOM_TRA_1PNPDE20100524_010034_000000392089_00389_43028_3670.N1	24-MAY-2010 01:00:34	Bright	38.500	104	27Bet Lib	2.6140	13100.	77	43028	No
14	GOM_TRA_1PNPDE20100524_010219_000000452089_00389_43028_3671.N1	24-MAY-2010 01:02:19	Bright	44.500	120	1Del Oph	2.7340	3200.0	89	43028	No
15	GOM_TRA_1PNPDE20100524_010524_000000402089_00389_43028_3672.N1	24-MAY-2010 01:05:24	Bright	39.500	102	24Alp Ser	2.6000	4250.0	79	43028	No
16	GOM_TRA_1PNPDE20100524_011109_000000402089_00389_43028_3673.N1	24-MAY-2010 01:11:09	Bright	39.500	83		2.3780	11000.	79	43028	No
17	GOM_TRA_1PNPDE20100524_012223_000000372089_00389_43028_3674.N1	24-MAY-2010 01:22:23	Bright	36.500	119	14Eta Dra	2.7270	4700.0	73	43028	No
18	GOM_TRA_1PNPDE20100524_012431_000000372089_00389_43028_3675.N1	24-MAY-2010 01:24:31	Bright	36.500	60	7Bet UMi	2.0810	3950.0	73	43028	No
19	GOM_TRA_1PNPDE20100524_013716_000000502089_00389_43028_3676.N1	24-MAY-2010 01:37:16	Bright	50.000	76	27Gam Cas	2.3000	30000.	100	43028	No
20	GOM_TRA_1PNPDE20100524_013828_000000552089_00389_43028_3677.N1	24-MAY-2010 01:38:28	Bright	55.000	68	18Alp Cas	2.2250	4500.0	110	43028	No
21	GOM_TRA_1PNPDE20100524_014441_000000392089_00389_43028_3678.N1	24-MAY-2010 01:44:41	Bright	38.500	53	43Bet And	2.0480	3300.0	77	43028	No
22	GOM_TRA_1PNPDE20100524_014713_000000482089_00389_43028_3679.N1	24-MAY-2010 01:47:13	Twilight	48.000	58	21Alp And	2.0730	11000.	96	43028	No
23	GOM_TRA_1PNPDE20100524_015141_000000452089_00389_43028_3680.N1	24-MAY-2010 01:51:41	Dark	45.000	140	88Gam Peg	2.8340	26000.	90	43028	No
24	GOM_TRA_1PNPDE20100524_020030_000000462089_00389_43028_3678.N1	24-MAY-2010 02:00:30	Dark	46.000	52	16Bet Cet	2.0370	4500.0	92	43028	No
25	GOM_TRA_1PNPDE20100524_020801_000000572089_00389_43028_3679.N1	24-MAY-2010 02:08:01	Dark	56.500	18	24Alp PsA	1.1660	9700.0	113	43028	No
26	GOM_TRA_1PNPDE20100524_021340_000000462089_00390_43029_3680.N1	24-MAY-2010 02:13:40	Dark	45.500	31	Alp Gru	1.7340	15200.	91	43029	No
27	GOM_TRA_1PNPDE20100524_021902_000000422089_00390_43029_3681.N1	24-MAY-2010 02:19:02	Dark	42.000	45	Alp Pav	1.9400	26000.	84	43029	No
28	GOM_TRA_1PNPDE20100524_022547_000000432089_00390_43029_3682.N1	24-MAY-2010 02:25:47	Straylight	43.000	141	Bet Ara	2.8400	4600.0	86	43029	No
29	GOM_TRA_1PNPDE20100524_022835_000000502089_00390_43029_3683.N1	24-MAY-2010 02:28:35	Straylight	49.500	40	The Sco	1.8590	7100.0	99	43029	No
30	GOM_TRA_1PNPDE20100524_023025_000000492089_00390_43029_3684.N1	24-MAY-2010 02:30:25	Straylight	49.000	25	35Lam Sco	1.6200	28000.	98	43029	No
31	GOM_TRA_1PNPDE20100524_023227_000000512089_00390_43029_3685.N1	24-MAY-2010 02:32:27	Twilight	50.500	75	26Eps Sco	2.2910	4250.0	101	43029	No
32	GOM_TRA_1PNPDE20100524_023518_000000592089_00390_43029_3686.N1	24-MAY-2010 02:35:18	Bright	59.000	16	21Alp Sco	1.0200	3000.0	118	43029	No
33	GOM_TRA_1PNPDE20100524_023741_000000422089_00390_43029_3687.N1	24-MAY-2010 02:37:41	Bright	41.500	97	8Bet1Sco	2.5610	30000.	83	43029	No
34	GOM_TRA_1PNPDE20100524_024110_000000152089_00390_43029_3688.N1	24-MAY-2010 02:41:10	Twilight	15.000	104	27Bet Lib	2.6140	13100.	30	43029	No
35	GOM_TRA_1PNPDE20100524_024255_000000452089_00390_43029_3689.N1	24-MAY-2010 02:42:55	Bright	45.000	120	1Del Oph	2.7340	3200.0	90	43029	No
36	GOM_TRA_1PNPDE20100524_024559_000000412089_00390_43029_3690.N1	24-MAY-2010 02:45:59	Bright	40.500	102	24Alp Ser	2.6000	4250.0	81	43029	No
37	GOM_TRA_1PNPDE20100524_025145_000000402089_00390_43029_3691.N1	24-MAY-2010 02:51:45	Bright	39.500	83		2.3780	11000.	79	43029	No
38	GOM_TRA_1PNPDE20100524_030259_000000372089_00390_43029_3692.N1	24-MAY-2010 03:02:59	Bright	37.000	119	14Eta Dra	2.7270	4700.0	74	43029	No
39	GOM_TRA_1PNPDE20100524_030507_000000372089_00390_43029_3693.N1	24-MAY-2010 03:05:07	Bright	37.000	60	7Bet UMi	2.0810	3950.0	74	43029	No
40	GOM_TRA_1PNPDE20100524_031752_000000372089_00390_43029_3708.N1	24-MAY-2010 03:17:52	Bright	37.000	76	27Gam Cas	2.3000	30000.	74	43029	No
41	GOM_TRA_1PNPDE20100524_031904_000000392089_00390_43029_3709.N1	24-MAY-2010 03:19:04	Bright	39.000	68	18Alp Cas	2.2250	4500.0	78	43029	No
42	GOM_TRA_1PNPDE20100524_032516_000000392089_00390_43029_3710.N1	24-MAY-2010 03:25:16	Bright	38.500	53	43Bet And	2.0480	3300.0	77	43029	No
43	GOM_TRA_1PNPDE20100524_032749_000000482089_00390_43029_3711.N1	24-MAY-2010 03:27:49	Twilight	47.500	58	21Alp And	2.0730	11000.	95	43029	No
44	GOM_TRA_1PNPDE20100524_033217_000000472089_00390_43029_3712.N1	24-MAY-2010 03:32:17	Dark	46.500	140	88Gam Peg	2.8340	26000.	93	43029	No
45	GOM_TRA_1PNPDE20100524_034106_000000452089_00390_43029_3713.N1	24-MAY-2010 03:41:06	Dark	45.000	52	16Bet Cet	2.0370	4500.0	90	43029	No
46	GOM_TRA_1PNPDE20100524_034838_000000552089_00390_43029_3714.N1	24-MAY-2010 03:48:38	Dark	55.000	18	24Alp PsA	1.1660	9700.0	110	43029	No
47	GOM_TRA_1PNPDE20100524_035417_000000432089_00391_43030_3715.N1	24-MAY-2010 03:54:17	Dark	43.000	31	Alp Gru	1.7340	15200.	86	43030	No
48	GOM_TRA_1PNPDE20100524_035939_000000422089_00391_43030_3716.N1	24-MAY-2010 03:59:39	Dark	42.000	45	Alp Pav	1.9400	26000.	84	43030	No
49	GOM_TRA_1PNPDE20100524_040624_000000492089_00391_43030_3717.N1	24-MAY-2010 04:06:24	Straylight	49.000	141	Bet Ara	2.8400	4600.0	98	43030	No
50	GOM_TRA_1PNPDE20100524_040911_000000492089_00391_43030_3718.N1	24-MAY-2010 04:09:11	Straylight	48.500	40	The Sco	1.8590	7100.0	97	43030	No
51	GOM_TRA_1PNPDE20100524_041102_000000492089_00391_43030_3719.N1	24-MAY-2010 04:11:02	Straylight	49.000	25	35Lam Sco	1.6200	28000.	98	43030	No
52	GOM_TRA_1PNPDE20100524_041303_000000472089_00391_43030_3720.N1	24-MAY-2010 04:13:03	Twilight	46.500	75	26Eps Sco	2.2910	4250.0	93	43030	No
53	GOM_TRA_1PNPDE20100524_041554_000000522089_00391_43030_3721.N1	24-MAY-2010 04:15:54	Bright	51.500	16	21Alp Sco	1.0200	3000.0	103	43030	No
54	GOM_TRA_1PNPDE20100524_041728_000000442089_00391_43030_3722.N1	24-MAY-2010 04:17:28	Bright	44.000	80	7Del Sco	2.3160	30000.	88	43030	No
55	GOM_TRA_1PNPDE20100524_042146_000000392089_00391_43030_3723.N1	24-MAY-2010 04:21:46	Bright	38.500	104	27Bet Lib	2.6140	13100.	77	43030	No
56	GOM_TRA_1PNPDE20100524_042331_000000442089_00391_43030_3724.N1	24-MAY-2010 04:23:31	Bright	44.000	120	1Del Oph	2.7340	3200.0	88	43030	No
57	GOM_TRA_1PNPDE20100524_042635_000000402089_00391_43030_3725.N1	24-MAY-2010 04:26:35	Bright	39.500	102	24Alp Ser	2.6000	4250.0	79	43030	No
58	GOM_TRA_1PNPDE20100524_043221_000000382089_00391_43030_3726.N1	24-MAY-2010 04:32:21	Bright	37.500	83		2.3780	11000.	75	43030	No
59	GOM_TRA_1PNPDE20100524_044334_000000422089_00391_43030_3727.N1	24-MAY-2010 04:43:34	Bright	42.000	119	14Eta Dra	2.7270	4700.0	84	43030	No
60	GOM_TRA_1PNPDE20100524_044543_000000352089_00391_43030_3728.N1	24-MAY-2010 04:45:43	Bright	35.000	60	7Bet UMi	2.0810	3950.0	70	43030	No
61	GOM_TRA_1PNPDE20100524_045828_000000362089_00391_43030_3735.N1	24-MAY-2010 04:58:28	Bright	35.500	76	27Gam Cas	2.3000	30000.	71	43030	No
62	GOM_TRA_1PNPDE20100524_045940_000000502089_00391_43030_3736.N1	24-MAY-2010 04:59:40	Bright	50.000	68	18Alp Cas	2.2250	4500.0	100	43030	No
63	GOM_TRA_1PNPDE20100524_050553_000000392089_00391_43030_3737.N1	24-MAY-2010 05:05:53	Bright	38.500	53	43Bet And	2.0480	3300.0	77	43030	No
64	GOM_TRA_1PNPDE20100524_050825_000000502089_00391_43030_3738.N1	24-MAY-2010 05:08:25	Twilight	49.500	58	21Alp And	2.0730	11000.	99	43030	No
65	GOM_TRA_1PNPDE20100524_051253_000000472089_00391_43030_3739.N1	24-MAY-2010 05:12:53	Dark	47.000	140	88Gam Peg	2.8340	26000.	94	43030	No
66	GOM_TRA_1PNPDE20100524_052143_000000452089_00391_43030_3740.N1	24-MAY-2010 05:21:43	Dark	45.000	52	16Bet Cet	2.0370	4500.0	90	43030	No
67	GOM_TRA_1PNPDE20100524_052915_000000522089_00391_43030_3741.N1	24-MAY-2010 05:29:15	Dark	52.000	18	24Alp PsA	1.1660	9700.0	104	43030	No
68	GOM_TRA_1PNPDE20100524_053454_000000442089_00392_43031_3742.N1	24-MAY-2010 05:34:54	Dark	43.500	31	Alp Gru	1.7340	15200.	87	43031	No



69	GOM_TRA_1PNPDE20100524_054015_000000422089_00392_43031_3743.N1	24-MAY-2010 05:40:15	Dark	41.500	45	Alp Pav	1.9400	26000.	83	43031	No
70	GOM_TRA_1PNPDE20100524_054700_000000442089_00392_43031_3744.N1	24-MAY-2010 05:47:00	Straylight	44.000	141	Bet Ara	2.8400	4600.0	88	43031	No
71	GOM_TRA_1PNPDE20100524_054948_000000492089_00392_43031_3745.N1	24-MAY-2010 05:49:48	Straylight	49.000	40	The Sco	1.8590	7100.0	98	43031	No
72	GOM_TRA_1PNPDE20100524_055138_000000492089_00392_43031_3746.N1	24-MAY-2010 05:51:38	Straylight	49.000	25	35Lam Sco	1.6200	28000.	98	43031	No
73	GOM_TRA_1PNPDE20100524_055339_000000462089_00392_43031_3747.N1	24-MAY-2010 05:53:39	Twilight_and_stray	45.500	75	26Eps Sco	2.2910	4250.0	91	43031	No
74	GOM_TRA_1PNPDE20100524_055630_000000602089_00392_43031_3748.N1	24-MAY-2010 05:56:30	Bright	60.000	16	21Alp Sco	1.0200	3000.0	120	43031	No
75	GOM_TRA_1PNPDE20100524_055804_000000482089_00392_43031_3749.N1	24-MAY-2010 05:58:04	Bright	47.500	80	7Del Sco	2.3160	30000.	95	43031	No
76	GOM_TRA_1PNPDE20100524_060222_000000352089_00392_43031_3750.N1	24-MAY-2010 06:02:22	Bright	35.000	104	27Bet Lib	2.6140	13100.	70	43031	No
77	GOM_TRA_1PNPDE20100524_060407_000000432089_00392_43031_3751.N1	24-MAY-2010 06:04:07	Bright	43.000	120	1Del Oph	2.7340	3200.0	86	43031	No
78	GOM_TRA_1PNPDE20100524_060711_000000422089_00392_43031_3752.N1	24-MAY-2010 06:07:11	Bright	41.500	102	24Alp Ser	2.6000	4250.0	83	43031	No
79	GOM_TRA_1PNPDE20100524_061257_000000392089_00392_43031_3753.N1	24-MAY-2010 06:12:57	Bright	38.500	83		2.3780	11000.	77	43031	No
80	GOM_TRA_1PNPDE20100524_062410_000000412089_00392_43031_3754.N1	24-MAY-2010 06:24:10	Bright	40.500	119	14Eta Dra	2.7270	4700.0	81	43031	No
81	GOM_TRA_1PNPDE20100524_062619_000000382089_00392_43031_3755.N1	24-MAY-2010 06:26:19	Bright	38.000	60	7Bet UMi	2.0810	3950.0	76	43031	No
82	GOM_TRA_1PNPDE20100524_205516_000000492089_00401_43040_3839.N1	24-MAY-2010 20:55:16	Straylight	48.500	40	The Sco	1.8590	7100.0	97	43040	No
83	GOM_TRA_1PNPDE20100524_205706_000000502089_00401_43040_3840.N1	24-MAY-2010 20:57:06	Straylight	49.500	25	35Lam Sco	1.6200	28000.	99	43040	No
84	GOM_TRA_1PNPDE20100524_205906_000000502089_00401_43040_3841.N1	24-MAY-2010 20:59:06	Twilight_and_stray	49.500	75	26Eps Sco	2.2910	4250.0	99	43040	No
85	GOM_TRA_1PNPDE20100524_210156_000000602089_00401_43040_3842.N1	24-MAY-2010 21:01:56	Bright	60.000	16	21Alp Sco	1.0200	3000.0	120	43040	No
86	GOM_TRA_1PNPDE20100524_210418_000000472089_00401_43040_3843.N1	24-MAY-2010 21:04:18	Bright	47.000	97	8Bet1Sco	2.5610	30000.	94	43040	No
87	GOM_TRA_1PNPDE20100524_210746_000000392089_00401_43040_3844.N1	24-MAY-2010 21:07:46	Bright	39.000	104	27Bet Lib	2.6140	13100.	78	43040	No
88	GOM_TRA_1PNPDE20100524_210930_000000442089_00401_43040_3845.N1	24-MAY-2010 21:09:30	Bright	44.000	120	1Del Oph	2.7340	3200.0	88	43040	No
89	GOM_TRA_1PNPDE20100524_211233_000000402089_00401_43040_3846.N1	24-MAY-2010 21:12:33	Bright	40.000	102	24Alp Ser	2.6000	4250.0	80	43040	No
90	GOM_TRA_1PNPDE20100524_211820_000000402089_00401_43040_3847.N1	24-MAY-2010 21:18:20	Bright	40.000	83		2.3780	11000.	80	43040	No
91	GOM_TRA_1PNPDE20100524_212930_000000582089_00401_43040_3848.N1	24-MAY-2010 21:29:30	Bright	58.000	119	14Eta Dra	2.7270	4700.0	116	43040	No
92	GOM_TRA_1PNPDE20100524_213142_000000402089_00401_43040_3849.N1	24-MAY-2010 21:31:42	Bright	40.000	60	7Bet UMi	2.0810	3950.0	80	43040	No
93	GOM_TRA_1PNPDE20100524_214427_000000362089_00401_43040_3850.N1	24-MAY-2010 21:44:27	Bright	35.500	76	27Gam Cas	2.3000	30000.	71	43040	No
94	GOM_TRA_1PNPDE20100524_214538_000000392089_00401_43040_3851.N1	24-MAY-2010 21:45:38	Bright	38.500	68	18Alp Cas	2.2250	4500.0	77	43040	No
95	GOM_TRA_1PNPDE20100524_215153_000000392089_00401_43040_3852.N1	24-MAY-2010 21:51:53	Bright	38.500	53	43Bet And	2.0480	3300.0	77	43040	No
96	GOM_TRA_1PNPDE20100524_215426_000000512089_00401_43040_3853.N1	24-MAY-2010 21:54:26	Twilight_and_stray	51.000	58	21Alp And	2.0730	11000.	102	43040	No
97	GOM_TRA_1PNPDE20100524_215857_000000452089_00401_43040_3854.N1	24-MAY-2010 21:58:57	Dark	45.000	140	88Gam Peg	2.8340	26000.	90	43040	No
98	GOM_TRA_1PNPDE20100524_220747_000000442089_00401_43040_3857.N1	24-MAY-2010 22:07:47	Dark	44.000	52	16Bet Cet	2.0370	4500.0	88	43040	No
99	GOM_TRA_1PNPDE20100524_221919_000000502089_00401_43040_3858.N1	24-MAY-2010 22:19:19	Dark	49.500	63	Bet Gru	2.1500	2800.0	99	43040	No
100	GOM_TRA_1PNPDE20100524_222102_000000432089_00402_43041_3859.N1	24-MAY-2010 22:21:02	Dark	42.500	31	Alp Gru	1.7340	15200.	85	43041	No
101	GOM_TRA_1PNPDE20100524_222622_000000452089_00402_43041_3860.N1	24-MAY-2010 22:26:22	Dark	44.500	45	Alp Pav	1.9400	26000.	89	43041	No
102	GOM_TRA_1PNPDE20100524_223304_000000432089_00402_43041_3861.N1	24-MAY-2010 22:33:04	Straylight	42.500	141	Bet Ara	2.8400	4600.0	85	43041	No
103	GOM_TRA_1PNPDE20100524_223552_000000482089_00402_43041_3862.N1	24-MAY-2010 22:35:52	Straylight	47.500	40	The Sco	1.8590	7100.0	95	43041	No
104	GOM_TRA_1PNPDE20100524_223742_000000482089_00402_43041_3863.N1	24-MAY-2010 22:37:42	Straylight	47.500	25	35Lam Sco	1.6200	28000.	95	43041	No
105	GOM_TRA_1PNPDE20100524_223942_000000472089_00402_43041_3864.N1	24-MAY-2010 22:39:42	Twilight_and_stray	46.500	75	26Eps Sco	2.2910	4250.0	93	43041	No
106	GOM_TRA_1PNPDE20100524_224232_000000592089_00402_43041_3865.N1	24-MAY-2010 22:42:32	Bright	59.000	16	21Alp Sco	1.0200	3000.0	118	43041	No
107	GOM_TRA_1PNPDE20100524_224454_000000432089_00402_43041_3866.N1	24-MAY-2010 22:44:54	Bright	42.500	97	8Bet1Sco	2.5610	30000.	85	43041	No
108	GOM_TRA_1PNPDE20100524_224822_000000392089_00402_43041_3867.N1	24-MAY-2010 22:48:22	Bright	38.500	104	27Bet Lib	2.6140	13100.	77	43041	No
109	GOM_TRA_1PNPDE20100524_225005_000000442089_00402_43041_3868.N1	24-MAY-2010 22:50:05	Bright	44.000	120	1Del Oph	2.7340	3200.0	88	43041	No
110	GOM_TRA_1PNPDE20100524_225309_000000402089_00402_43041_3869.N1	24-MAY-2010 22:53:09	Bright	39.500	102	24Alp Ser	2.6000	4250.0	79	43041	No
111	GOM_TRA_1PNPDE20100524_225856_000000402089_00402_43041_3870.N1	24-MAY-2010 22:58:56	Bright	39.500	83		2.3780	11000.	79	43041	No
112	GOM_TRA_1PNPDE20100524_231006_000000412089_00402_43041_3871.N1	24-MAY-2010 23:10:06	Bright	40.500	119	14Eta Dra	2.7270	4700.0	81	43041	No
113	GOM_TRA_1PNPDE20100524_231218_000000392089_00402_43041_3872.N1	24-MAY-2010 23:12:18	Bright	38.500	60	7Bet UMi	2.0810	3950.0	77	43041	No
114	GOM_TRA_1PNPDE20100524_232503_000000542089_00402_43041_3873.N1	24-MAY-2010 23:25:03	Bright	54.000	76	27Gam Cas	2.3000	30000.	108	43041	No
115	GOM_TRA_1PNPDE20100524_232614_000000382089_00402_43041_3874.N1	24-MAY-2010 23:26:14	Bright	37.500	68	18Alp Cas	2.2250	4500.0	75	43041	No
116	GOM_TRA_1PNPDE20100524_233229_000000392089_00402_43041_3875.N1	24-MAY-2010 23:32:29	Bright	38.500	53	43Bet And	2.0480	3300.0	77	43041	No
117	GOM_TRA_1PNPDE20100524_233502_000000482089_00402_43041_3876.N1	24-MAY-2010 23:35:02	Twilight_and_stray	47.500	58	21Alp And	2.0730	11000.	95	43041	No
118	GOM_TRA_1PNPDE20100524_233933_000000482089_00402_43041_3877.N1	24-MAY-2010 23:39:33	Dark	47.500	140	88Gam Peg	2.8340	26000.	95	43041	No
119	GOM_TRA_1PNPDE20100524_234823_000000462089_00402_43041_3876.N1	24-MAY-2010 23:48:23	Dark	46.000	52	16Bet Cet	2.0370	4500.0	92	43041	No
120	GOM_TRA_1PNPDE20100524_235956_000000492089_00402_43041_3877.N1	24-MAY-2010 23:59:56	Dark	48.500	63	Bet Gru	2.1500	2800.0	97	43041	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.

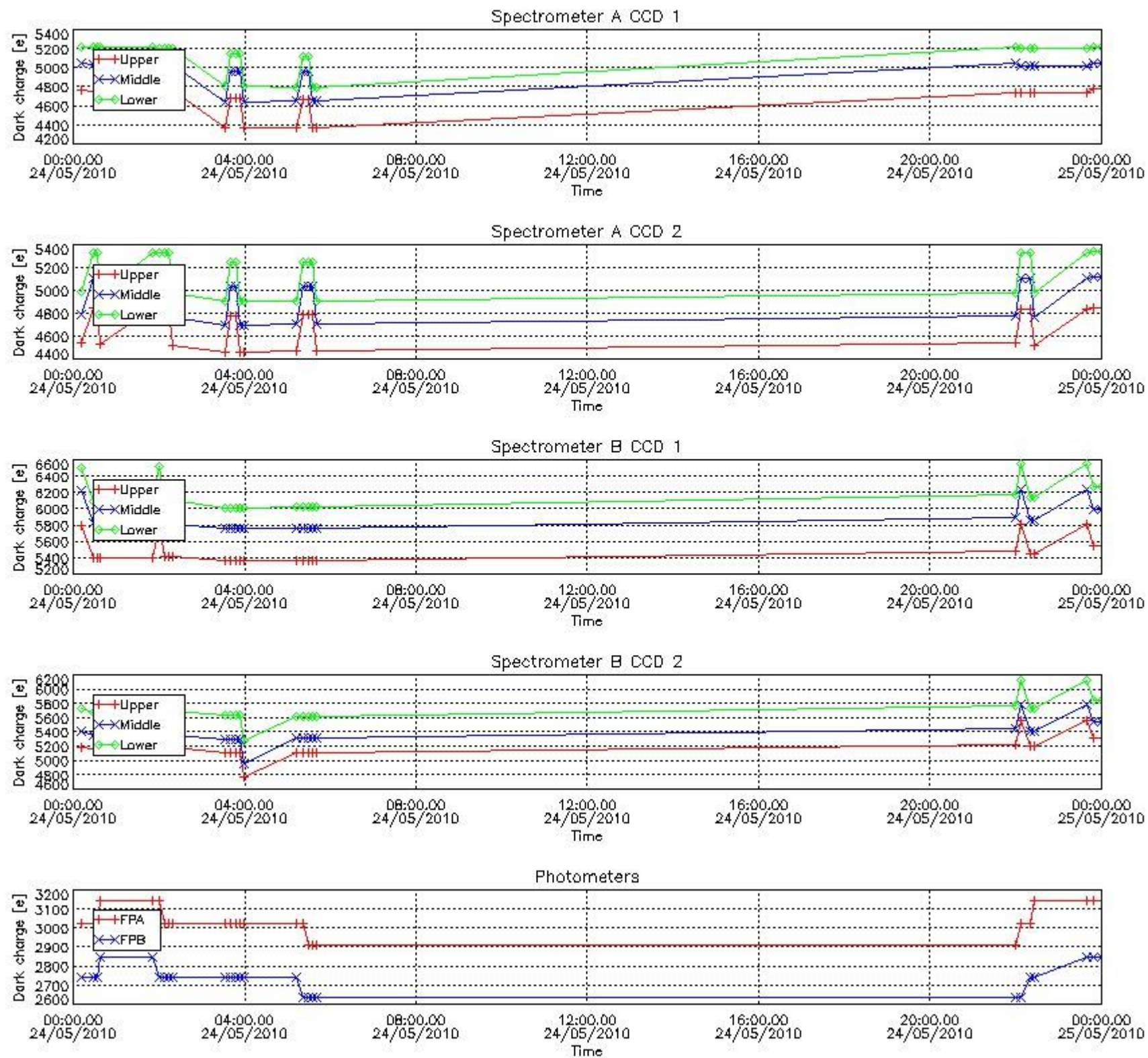
##### 4.1 These products did not use the DSA observation for DC computation:

Product name	DC information
GOM_TRA_1PNPDE20100524_205516_000000492089_00401_43040_3839.N1	DC map used
GOM_TRA_1PNPDE20100524_205706_000000502089_00401_43040_3840.N1	DC map used
GOM_TRA_1PNPDE20100524_205906_000000502089_00401_43040_3841.N1	DC map used
GOM_TRA_1PNPDE20100524_210156_000000602089_00401_43040_3842.N1	DC map used
GOM_TRA_1PNPDE20100524_210418_000000472089_00401_43040_3843.N1	DC map used
GOM_TRA_1PNPDE20100524_210746_000000392089_00401_43040_3844.N1	DC map used
GOM_TRA_1PNPDE20100524_210930_000000442089_00401_43040_3845.N1	DC map used
GOM_TRA_1PNPDE20100524_211233_000000402089_00401_43040_3846.N1	DC map used
GOM_TRA_1PNPDE20100524_211820_000000402089_00401_43040_3847.N1	DC map used
GOM_TRA_1PNPDE20100524_212930_000000582089_00401_43040_3848.N1	DC map used
GOM_TRA_1PNPDE20100524_213142_000000402089_00401_43040_3849.N1	DC map used
GOM_TRA_1PNPDE20100524_214427_000000362089_00401_43040_3850.N1	DC map used
GOM_TRA_1PNPDE20100524_214538_000000392089_00401_43040_3851.N1	DC map used
GOM_TRA_1PNPDE20100524_215153_000000392089_00401_43040_3852.N1	DC map used



GOM_TRA_1PNPDE20100524_215426_000000512089_00401_43040_3853.N1	DC map used
GOM_TRA_1PNPDE20100524_215857_000000452089_00401_43040_3854.N1	DC map used

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



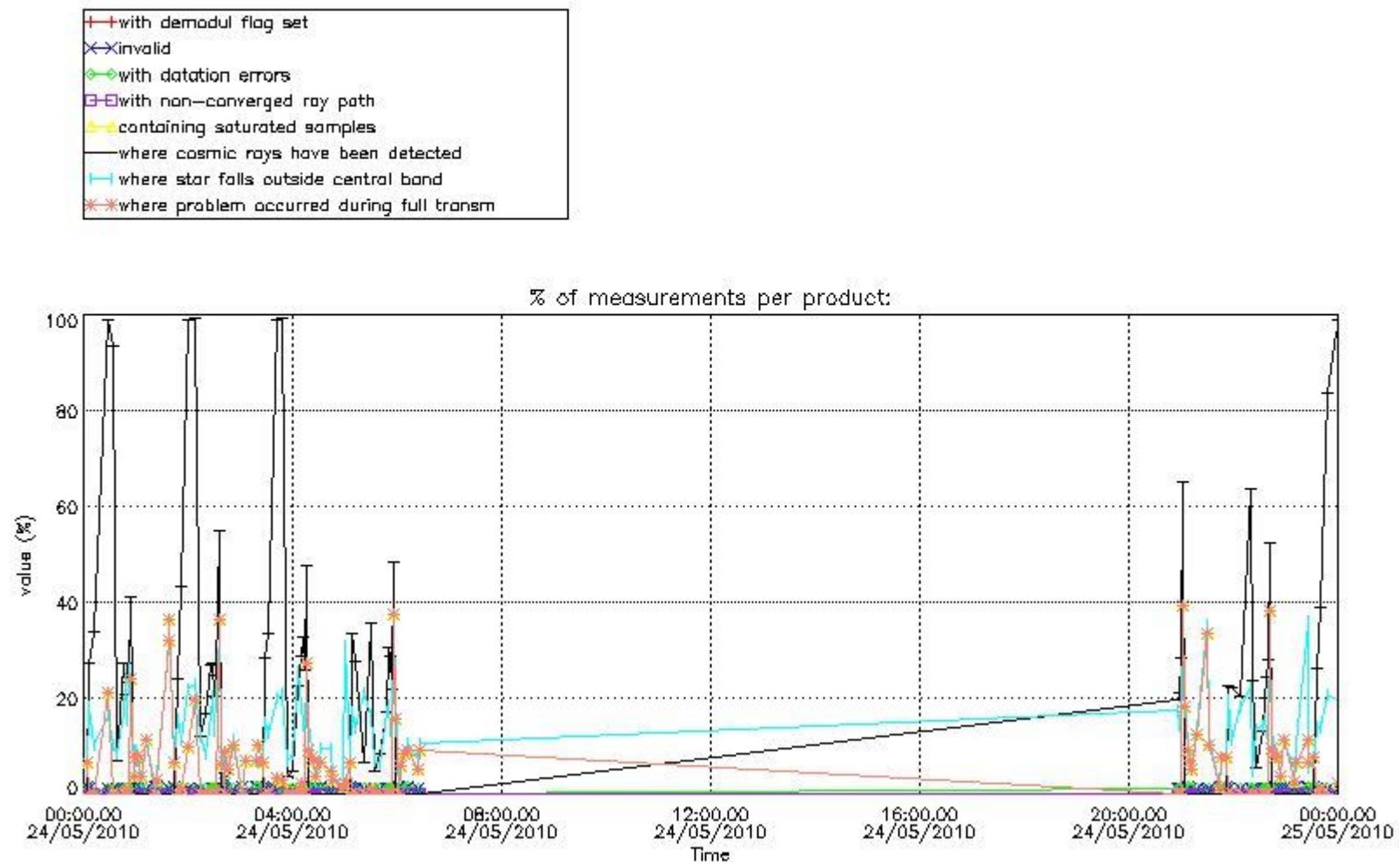
5. Demodulation flag and quality information monitoring

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:

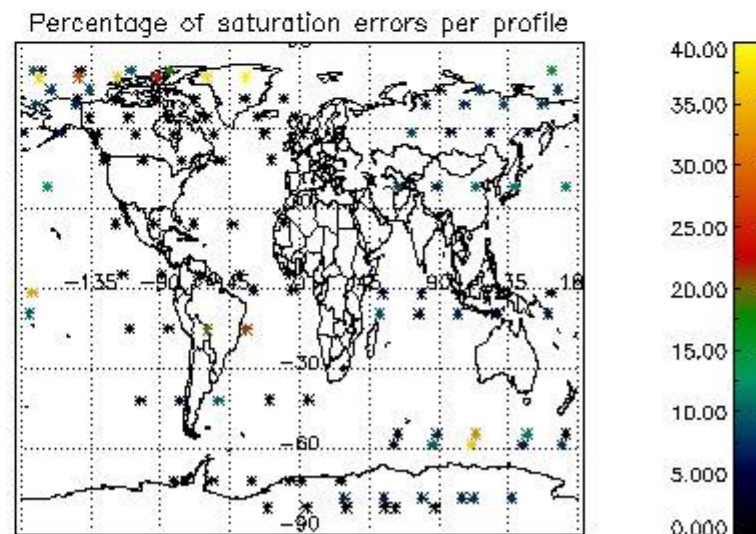
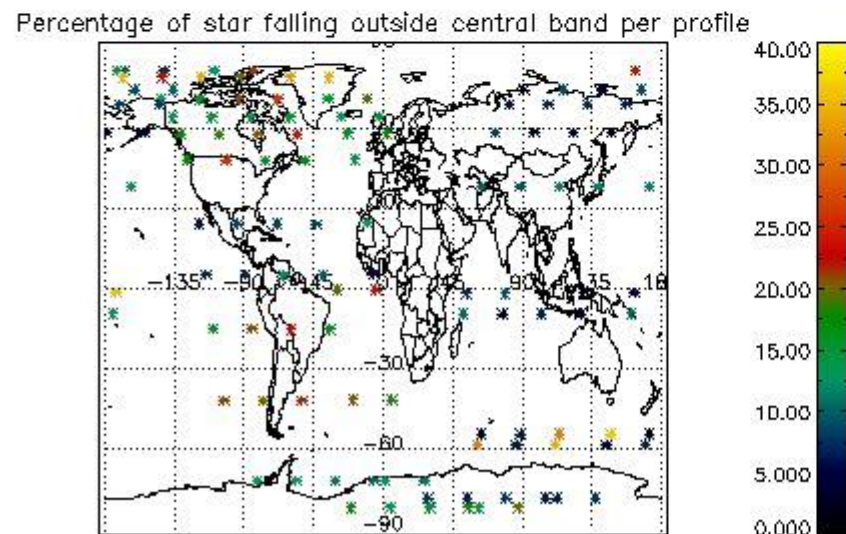
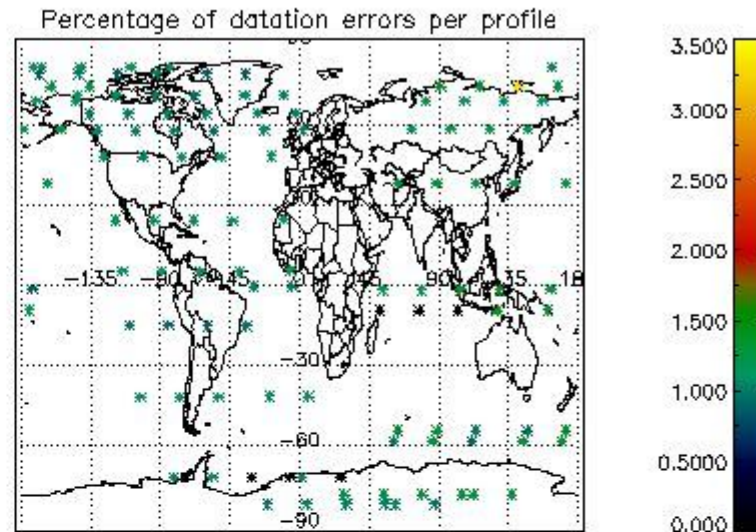
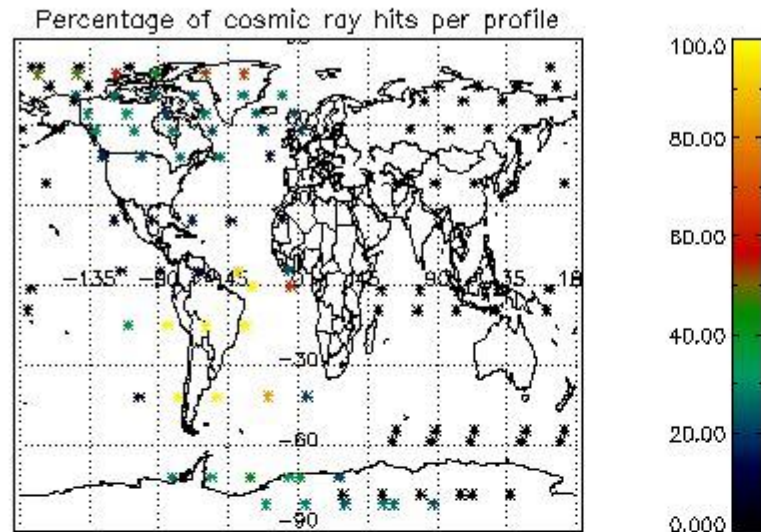
At least one measurement with demodulation flag set:	42.5000 %
Reference spectrum computed from DB:	0.00000 %
Reference spectrum with small number of measurements:	0.00000 %
SATU data not used:	0.00000 %

5.2 Plot quality information per product (time dependant)



5.3 Plot quality information per product (world map)





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

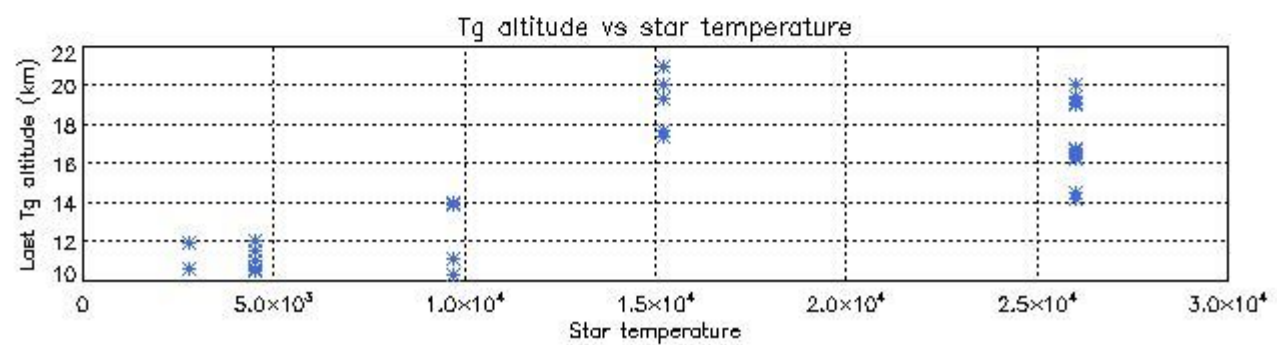
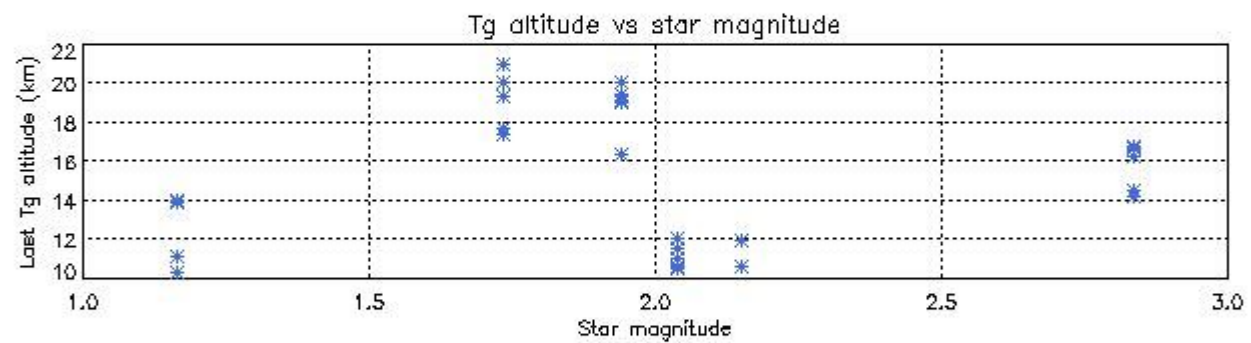
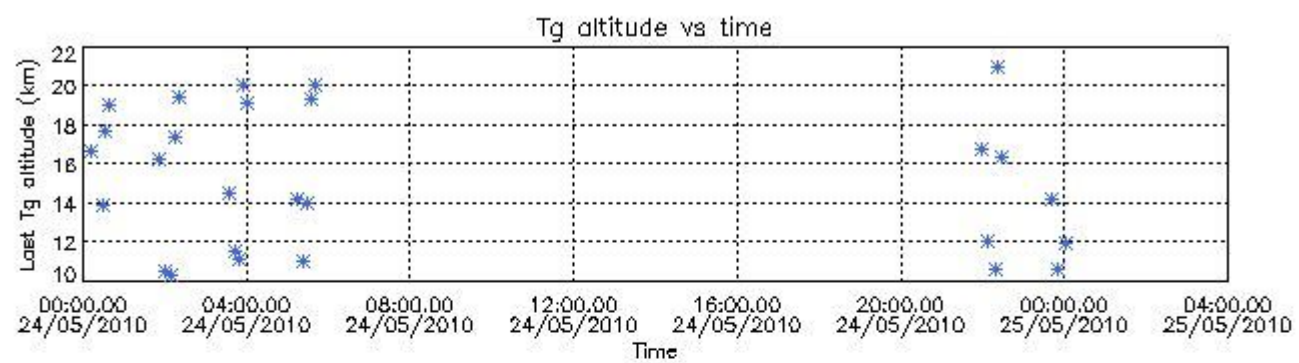
### 6.1 Statistics on tangent altitude lost:

Statistics	DARK	BRIGHT	TWILIGHT
Mean:	15.169	17.219	NaN
St. deviation:	3.5337	6.1906	NaN
Maximum:	20.953	29.037	NaN
Minimum:	10.262	3.5739	NaN
Number of data:	27.000	63.000	NaN

### 6.2 Plot for DARK limb products

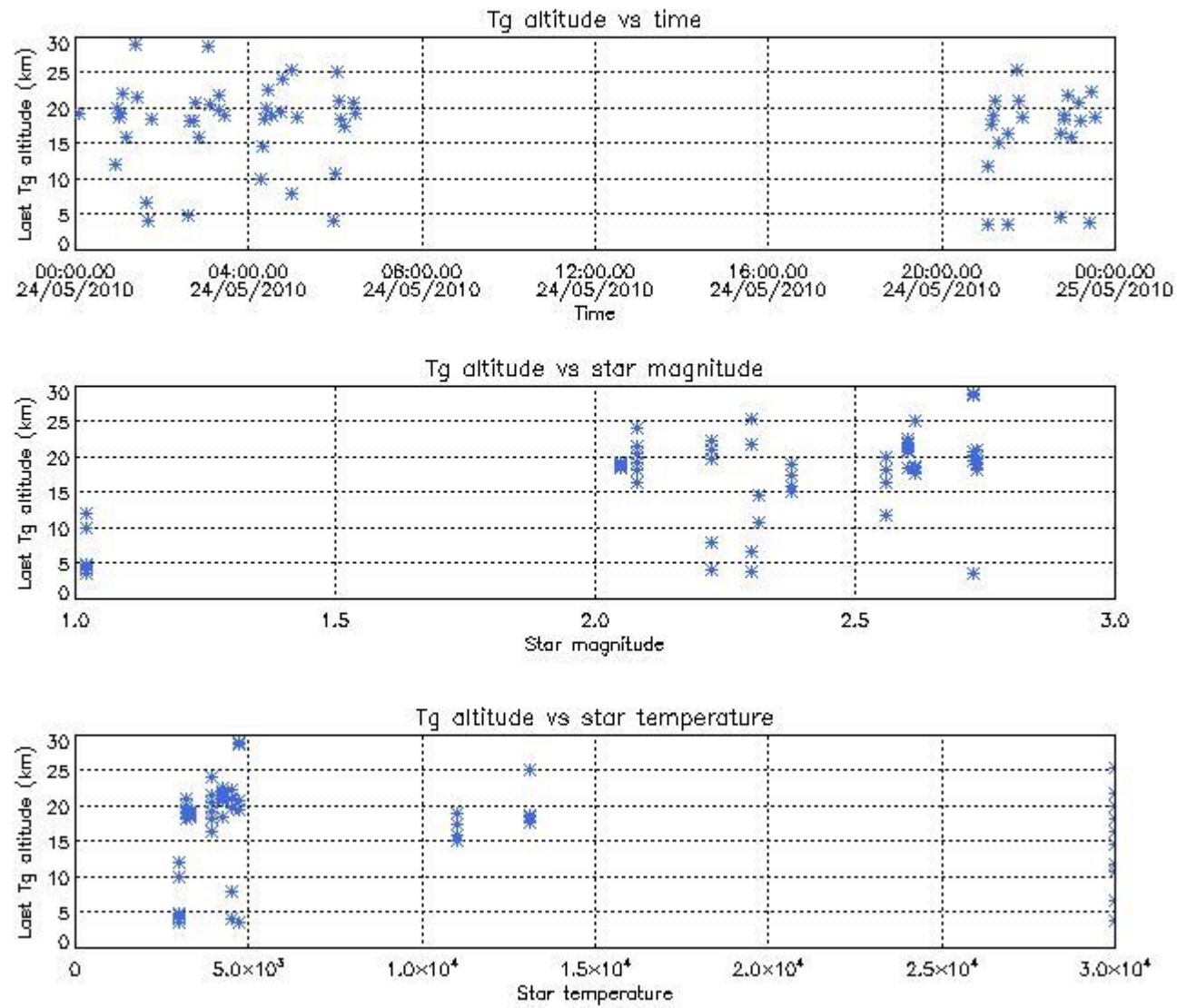


Tangent altitude at which the star is lost



6.3 Plot for BRIGHT limb products

Tangent altitude at which the star is lost

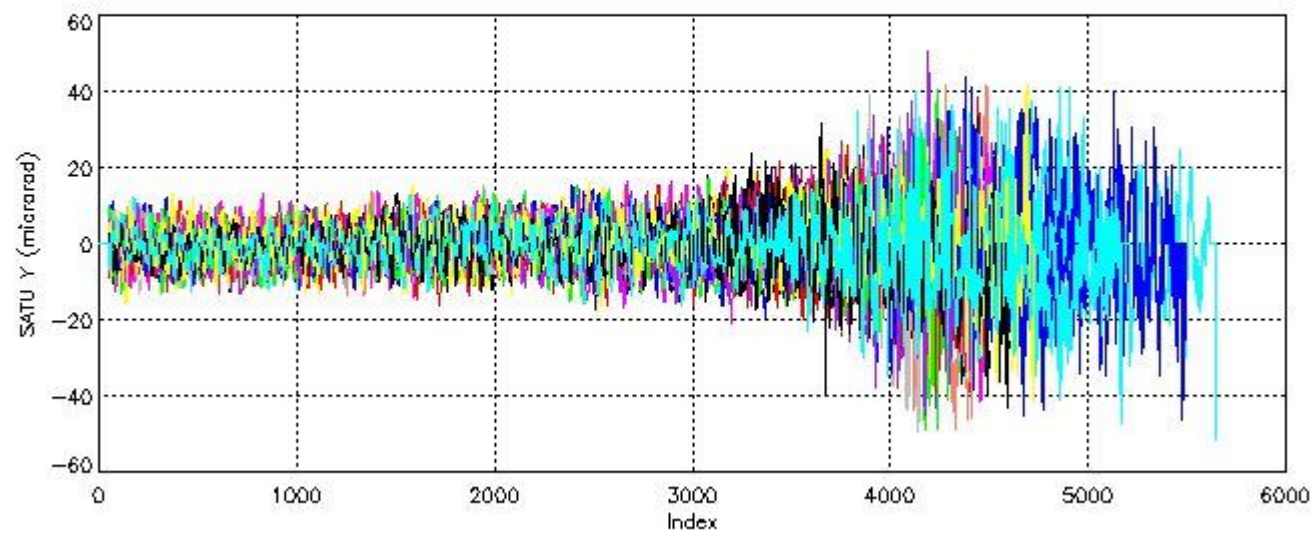
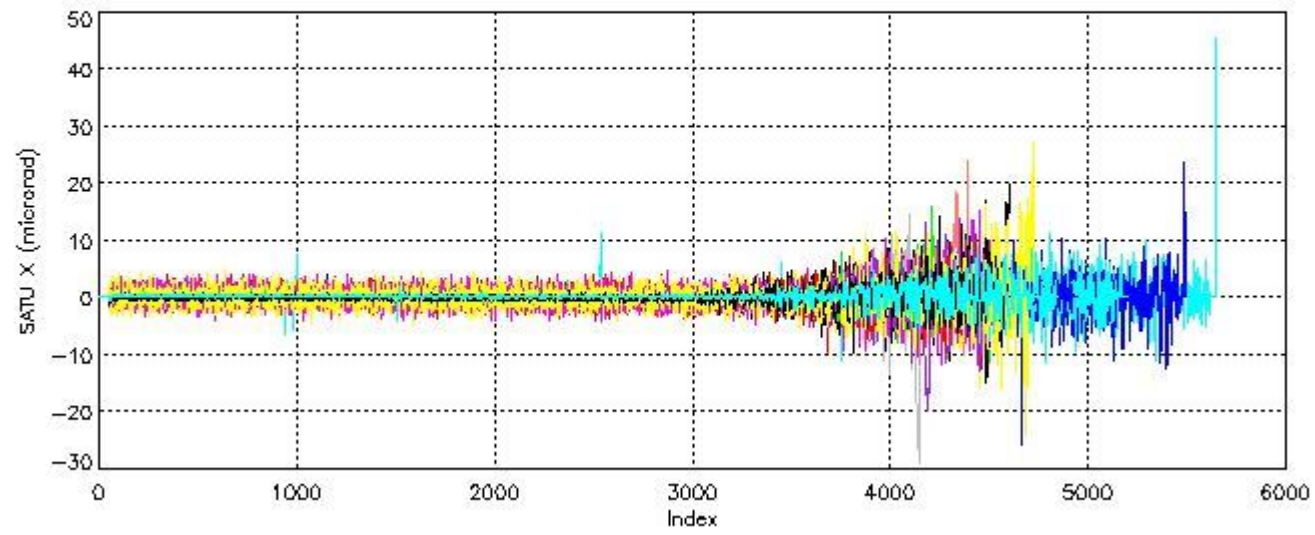


## 7. Star Acquisition and Tracking Unit (SATU)

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:	0.18558	-0.70905	0.18316	-0.84079
St. deviation:	0.61957	3.8562	0.59660	3.6950
Maximum:	7.6000	13.100	19.600	18.700
Minimum:	-6.5000	-15.800	-9.3000	-22.400



Number of data:	27100.	27100.	58250.	58250.
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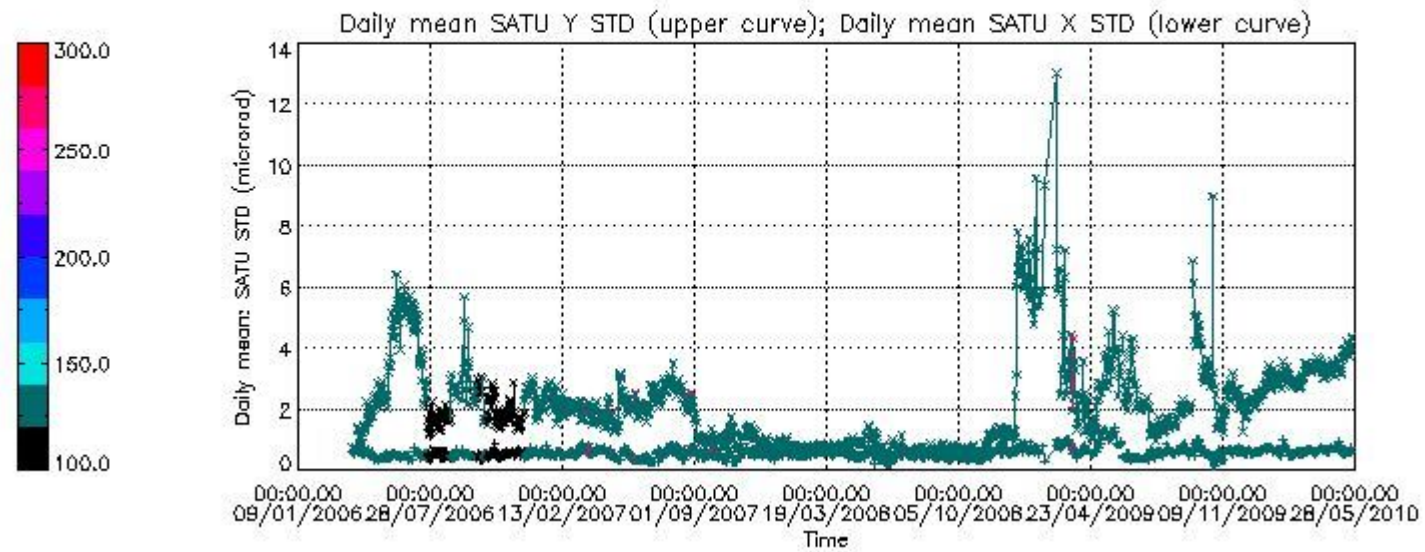
### 7.2.2 Trend of daily SATU NEA St. deviation since 1st April 2006 (dark limb)

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

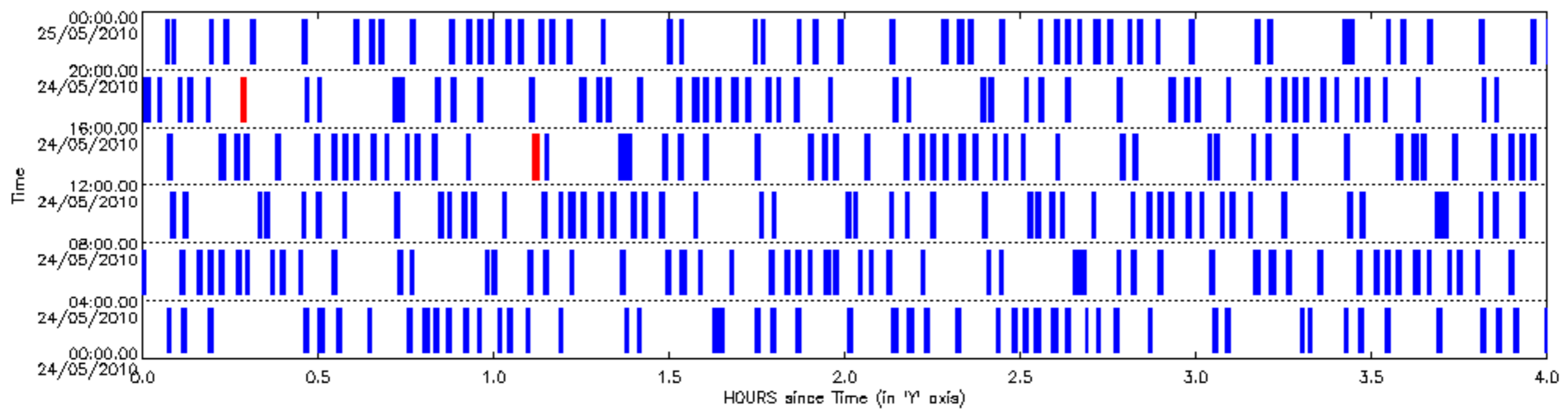
Lower curve: STD of SATU X axis

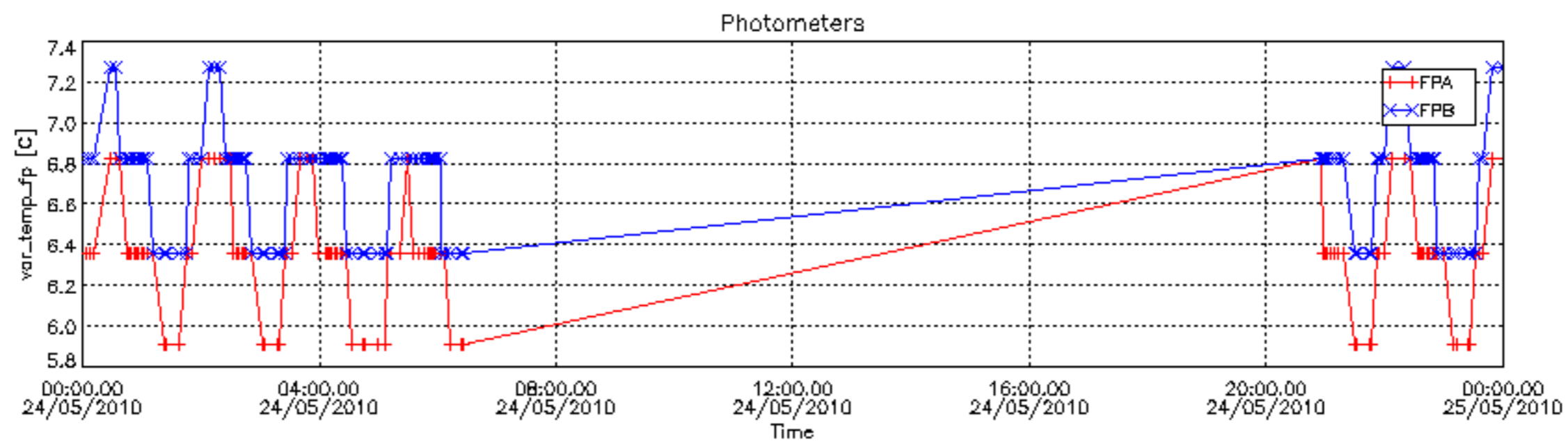
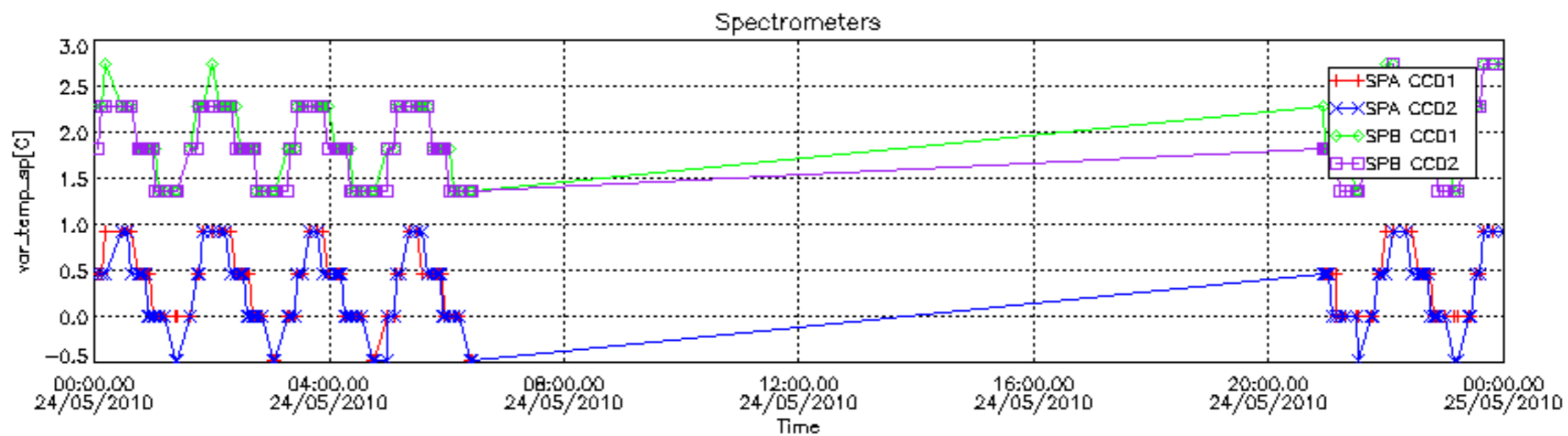


### 8. Auxiliary Data Files used for the production reported in section 2.4

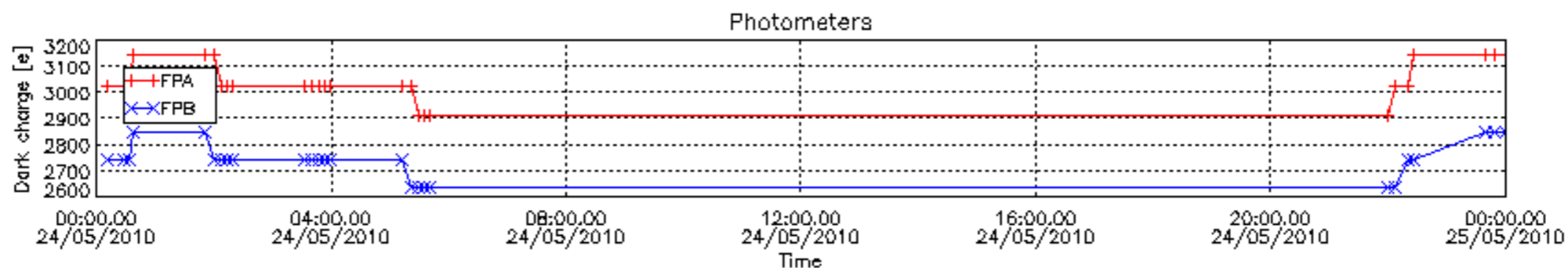
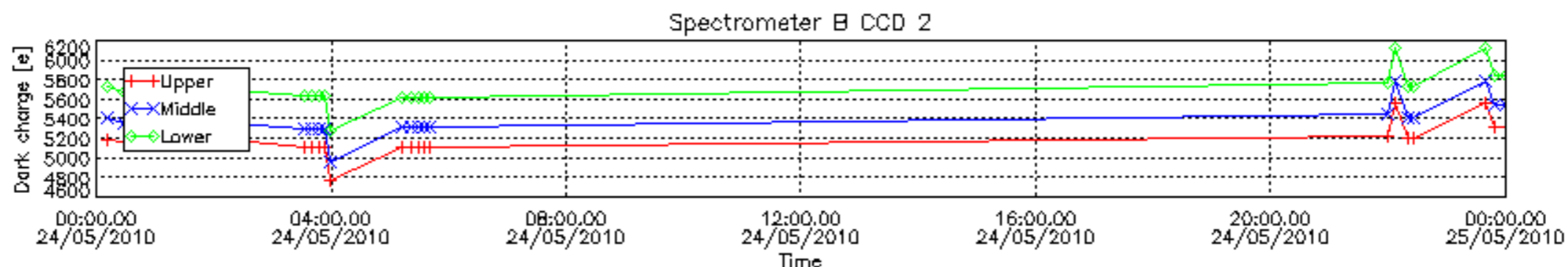
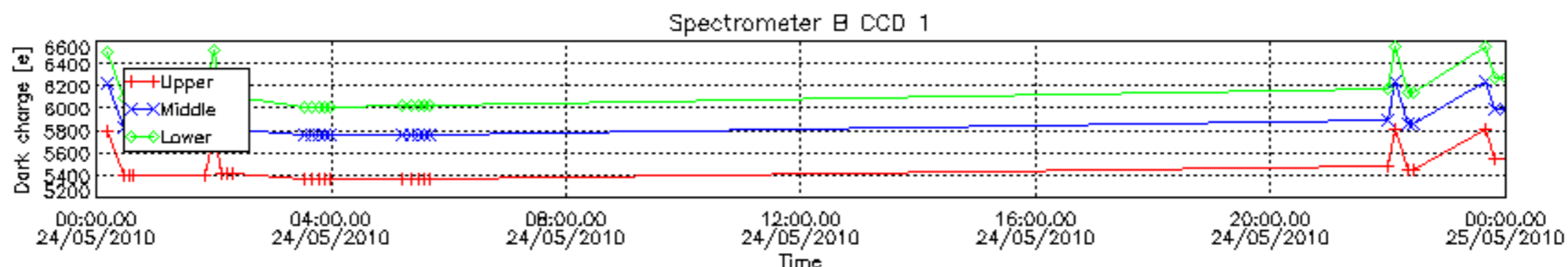
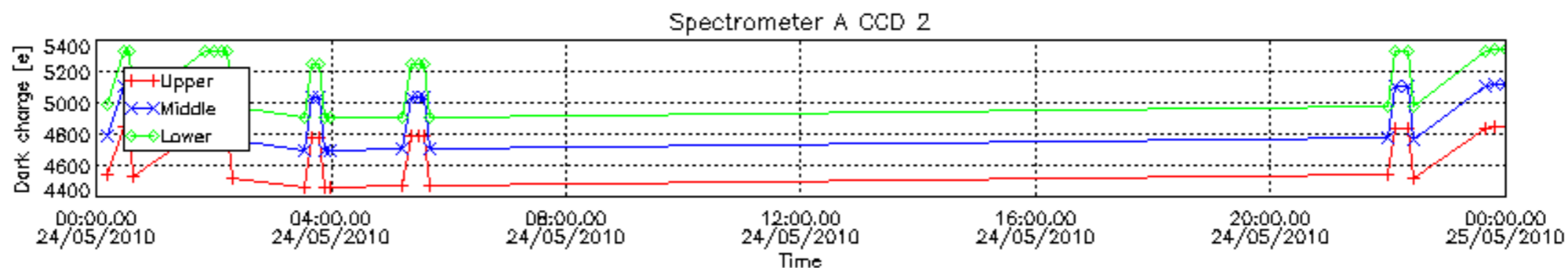
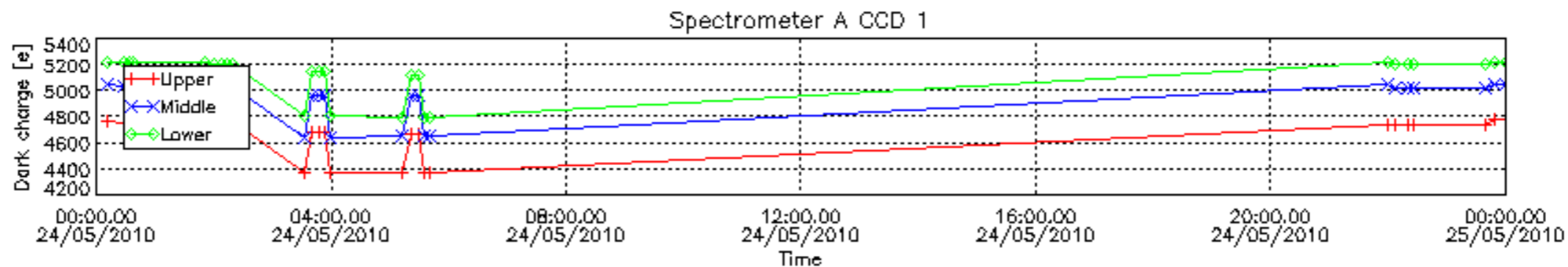
The number reported in the third column indicates since which file (see list in section 2.4) the corresponding auxiliary file has been used. The fourth column is the date of those product files.

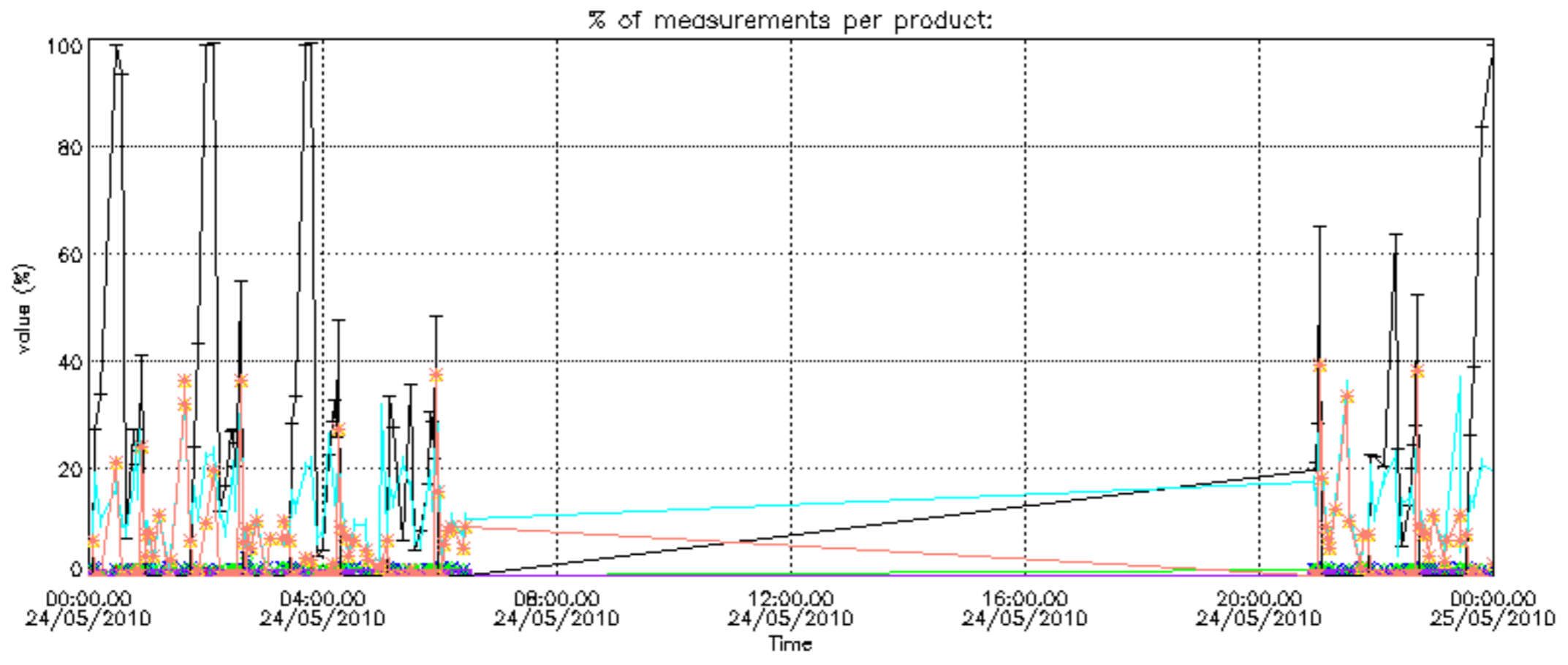
Type	Auxiliary Filename	Used since product	Used since product date
INST_PHYS_CHARACTERISTICS	GOM_INS_AXVIEC20091111_143220_20030716_120000_20500101_000000	1	24-MAY-2010 00:04:05
CALIBRATION_DATABASE	GOM_CAL_AXVIEC20100518_092709_20100516_000000_20500101_000000	1	24-MAY-2010 00:04:05
LEVEL-1B_PROC_CONFIG	GOM_PR1_AXVIEC20091111_145255_20020301_000000_20500101_000000	1	24-MAY-2010 00:04:05
STAR_CATALOGUE	GOM_CAT_AXVIEC20020121_161009_20020101_000000_20200101_000000	1	24-MAY-2010 00:04:05
STELLAR_SPECTRA_DATABANK	GOM_STS_AXVIEC20091111_151504_20020101_160000_20500101_000000	1	24-MAY-2010 00:04:05
ECMWF_FILE	AUX_ECF_AXNECM20100523_054114_20100523_210000_20100524_090000	1	24-MAY-2010 00:04:05
ECMWF_FILE	AUX_ECF_AXNECM20100523_174113_20100524_030000_20100524_150000	40	24-MAY-2010 03:17:52
ECMWF_FILE	AUX_ECF_AXNECM20100524_054115_20100524_150000_20100525_030000	82	24-MAY-2010 20:55:16
ECMWF_FILE	AUX_ECF_AXNECM20100524_060114_20100524_210000_20100525_090000	98	24-MAY-2010 22:07:47
OPTIONAL_ECMWF_FILE	MISSING	1	24-MAY-2010 00:04:05
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20100523_223845_000057382089_00387_43026_0409.N1	1	24-MAY-2010 00:04:05
ORBIT_DATA_FILE	AUX_FPO_AXVPDS20100521_092114_20100520_192407_20100530_205020	4	24-MAY-2010 00:27:24
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20100524_015521_000041442089_00389_43028_0411.N1	24	24-MAY-2010 02:00:30
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20100524_030944_000057382089_00390_43029_0412.N1	40	24-MAY-2010 03:17:52
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20100524_045041_000057382089_00391_43030_0413.N1	61	24-MAY-2010 04:58:28
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20100524_205222_000041442089_00401_43040_0414.N1	82	24-MAY-2010 20:55:16
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20100524_220126_000060572089_00401_43040_0415.N1	98	24-MAY-2010 22:07:47
ORBIT_DATA_FILE	AUX_FPO_AXVPDS20100524_092112_20100523_192952_20100602_205605	119	24-MAY-2010 23:48:23



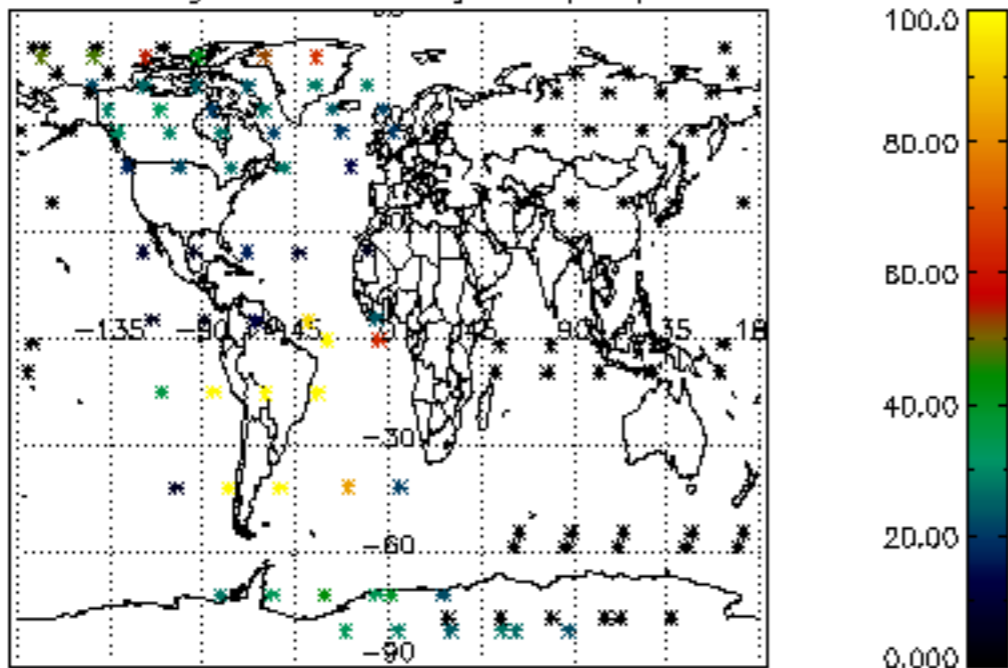




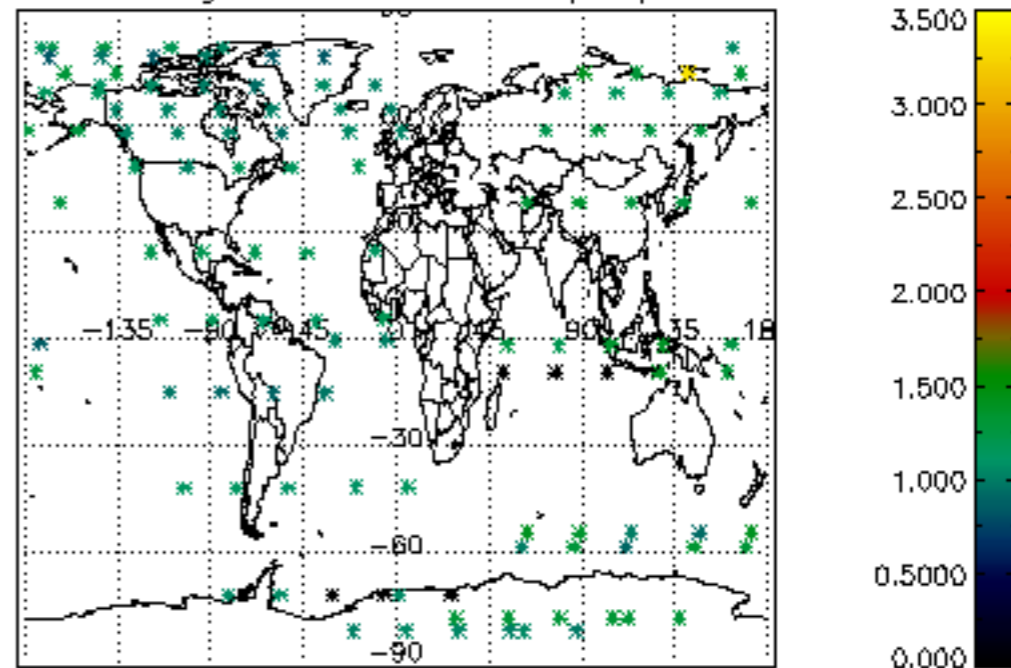




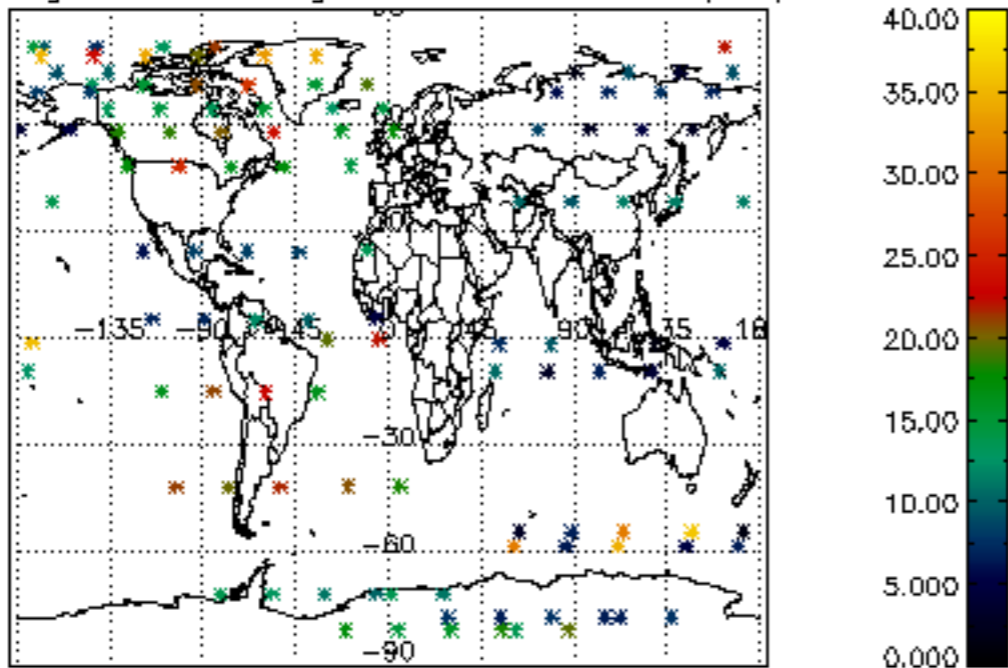
Percentage of cosmic ray hits per profile



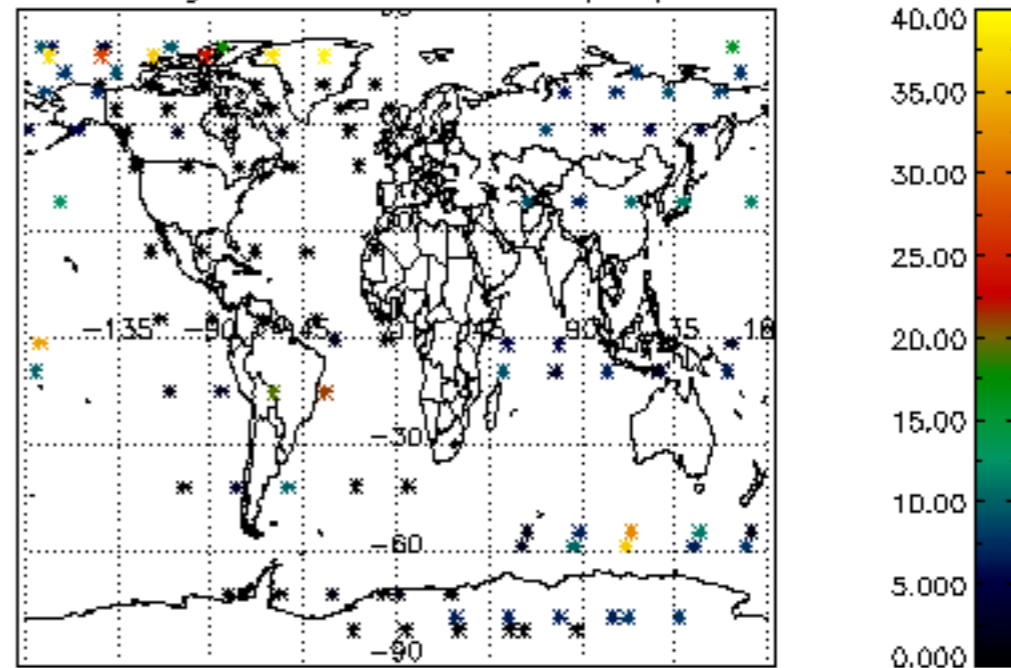
Percentage of datation errors per profile



Percentage of star falling outside central band per profile

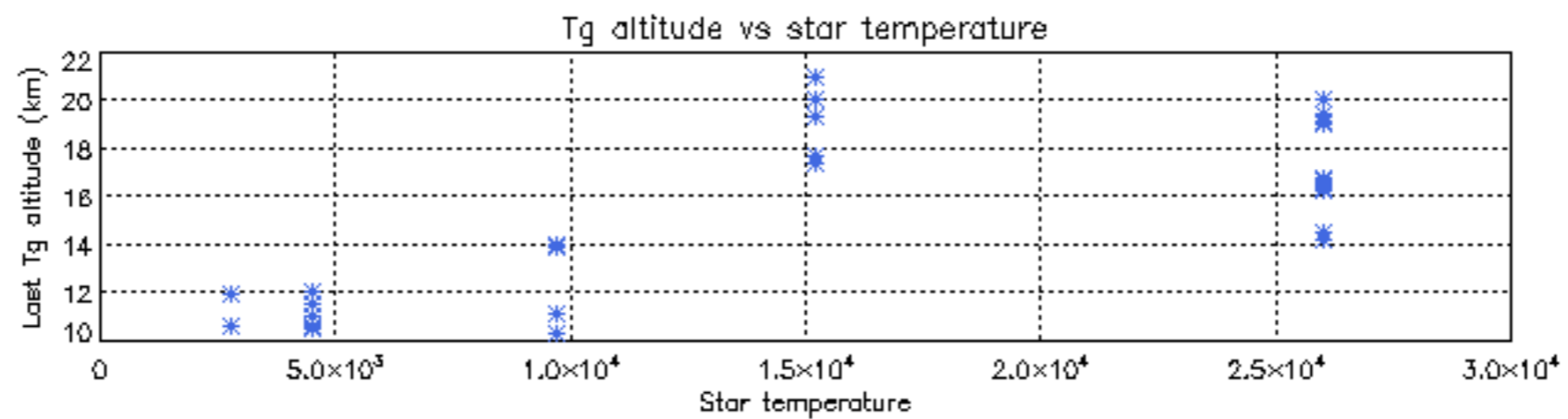
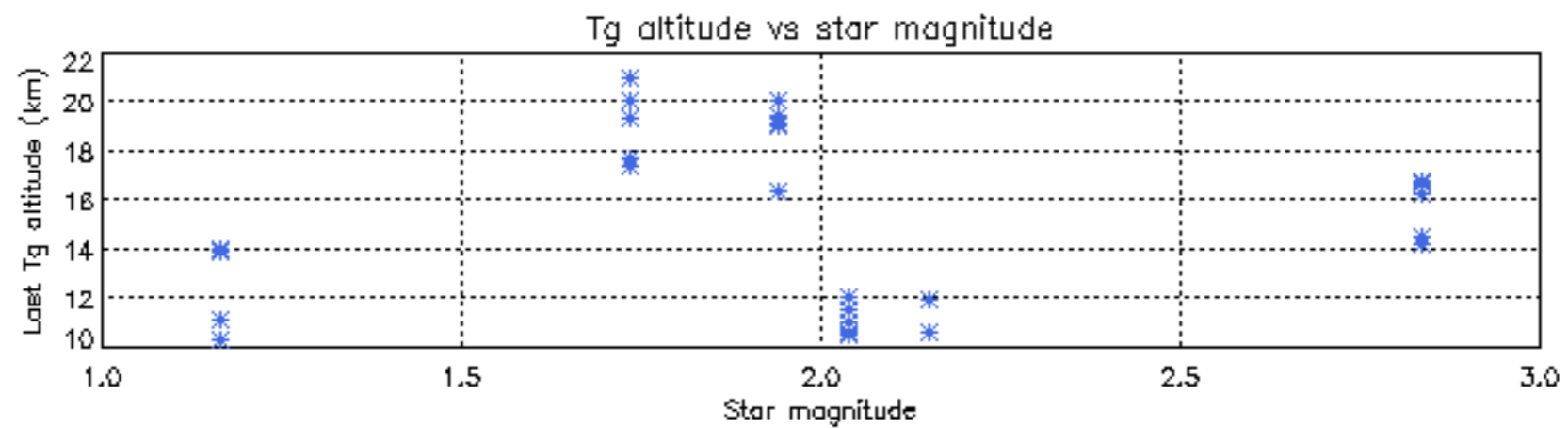
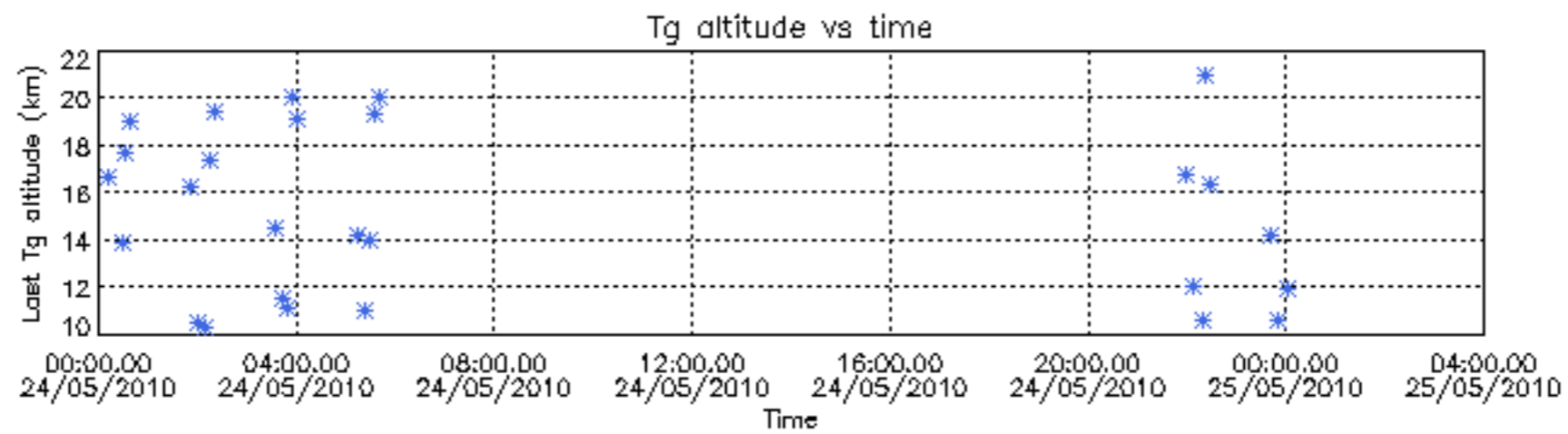


Percentage of saturation errors per profile

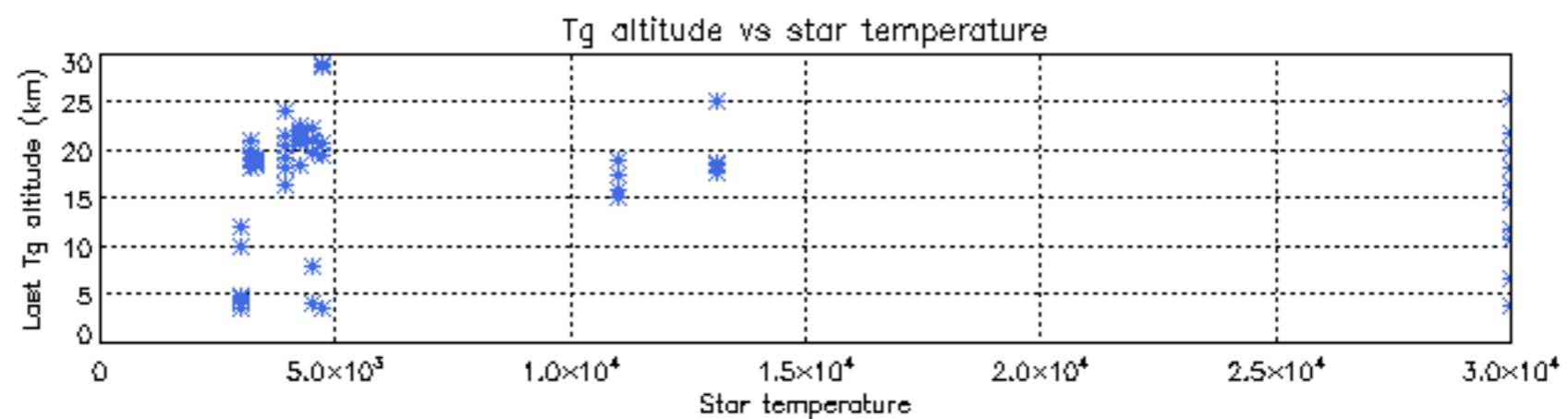
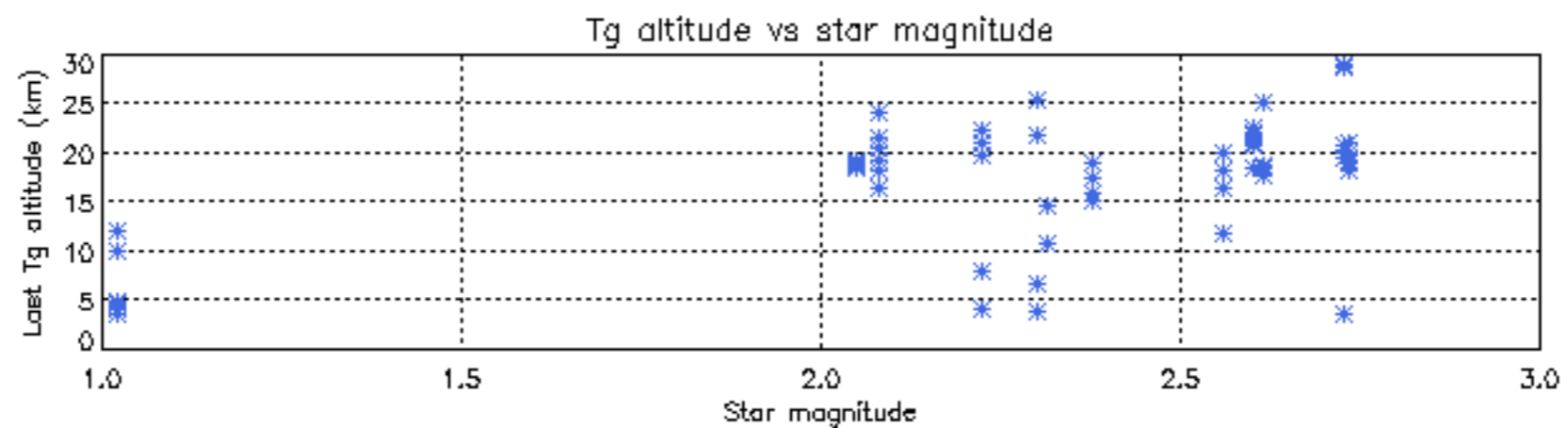
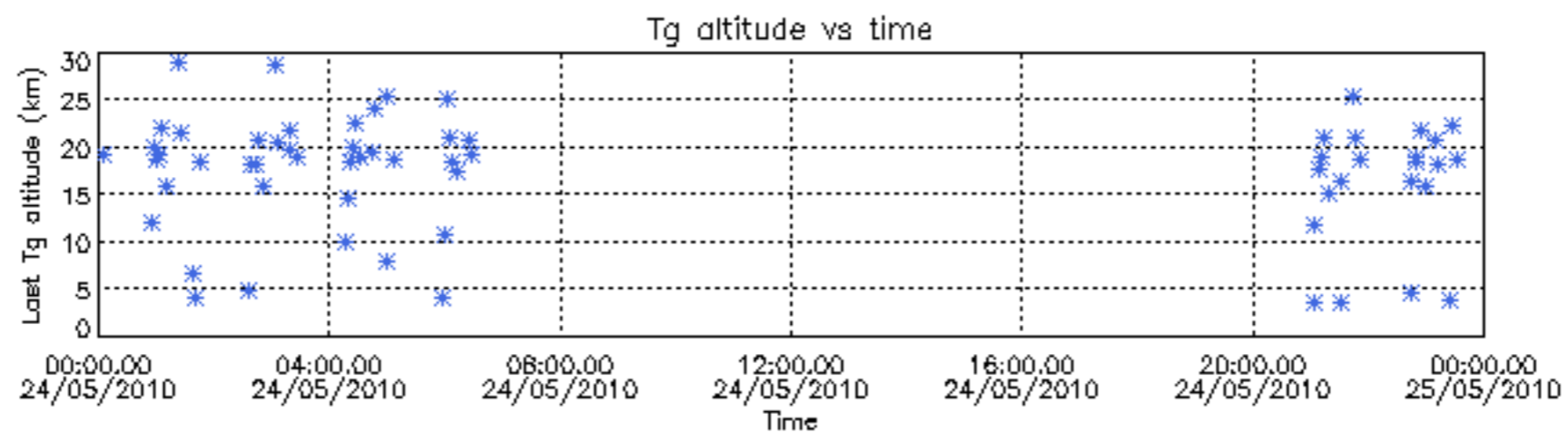


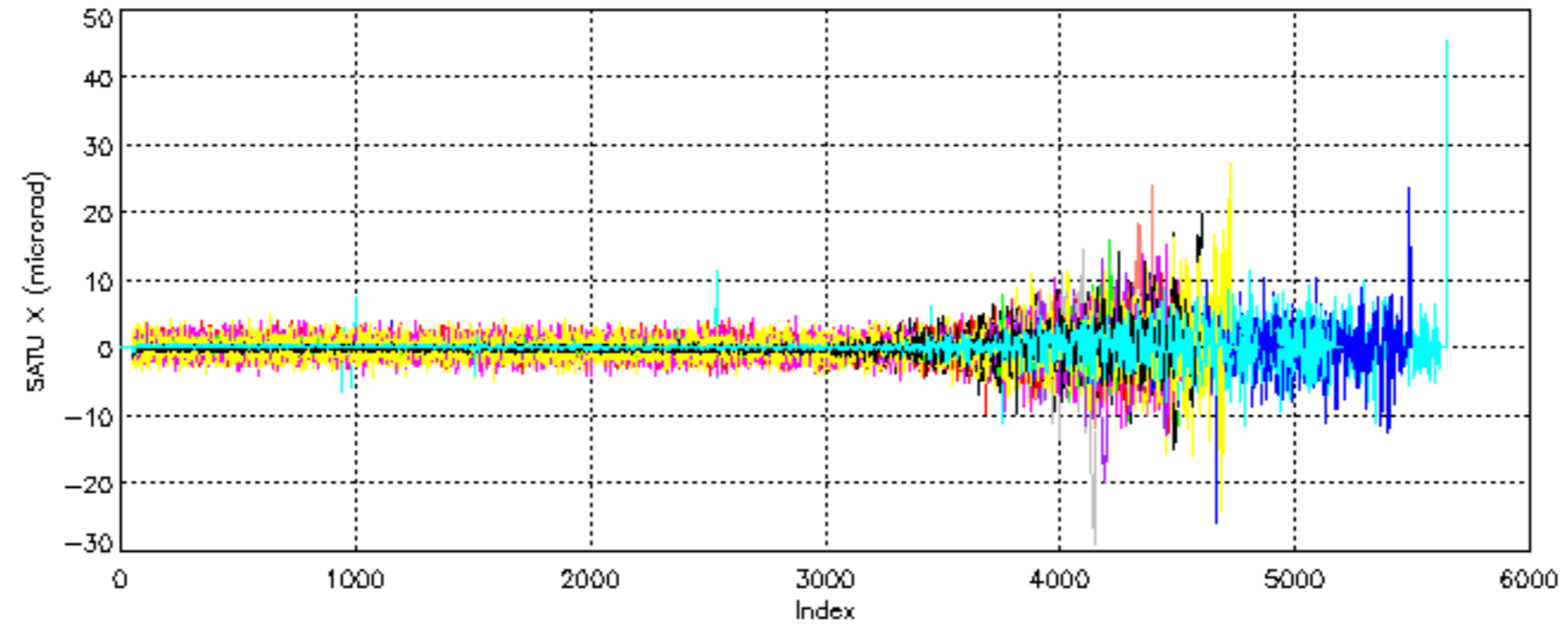


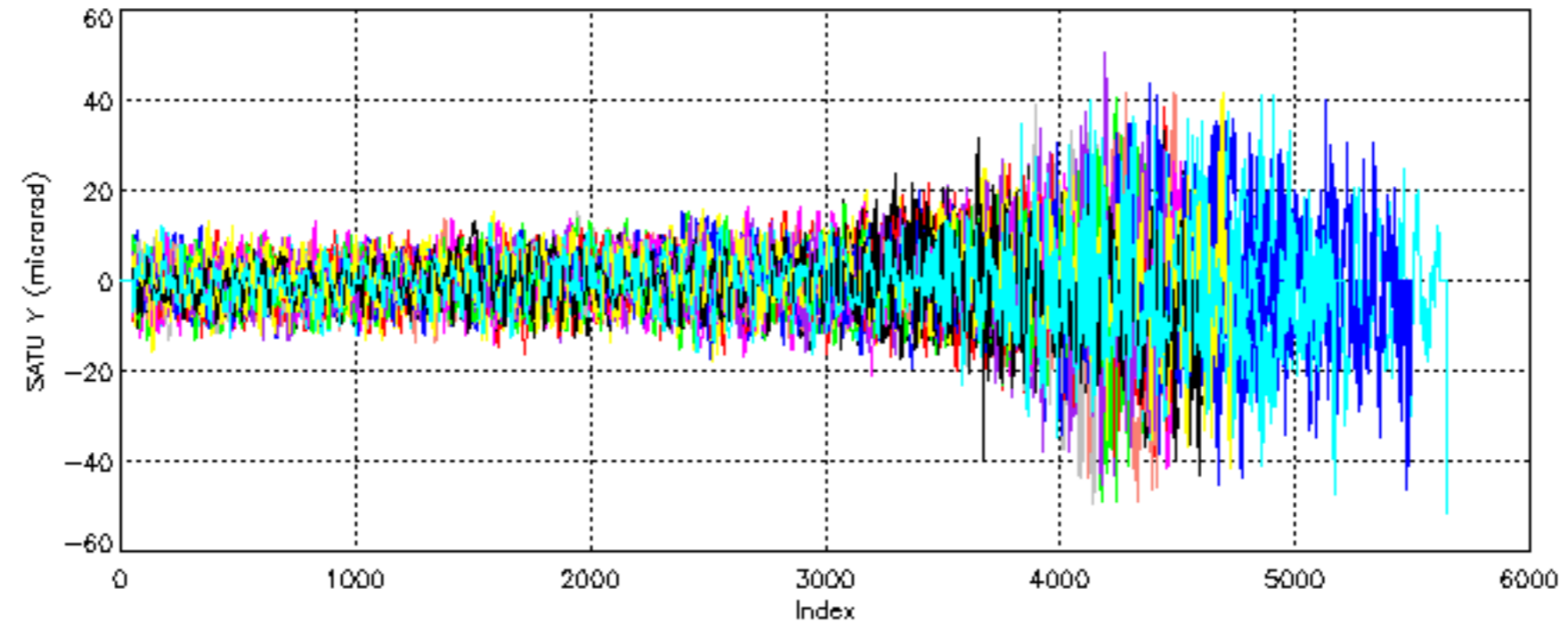
Tangent altitude at which the star is lost



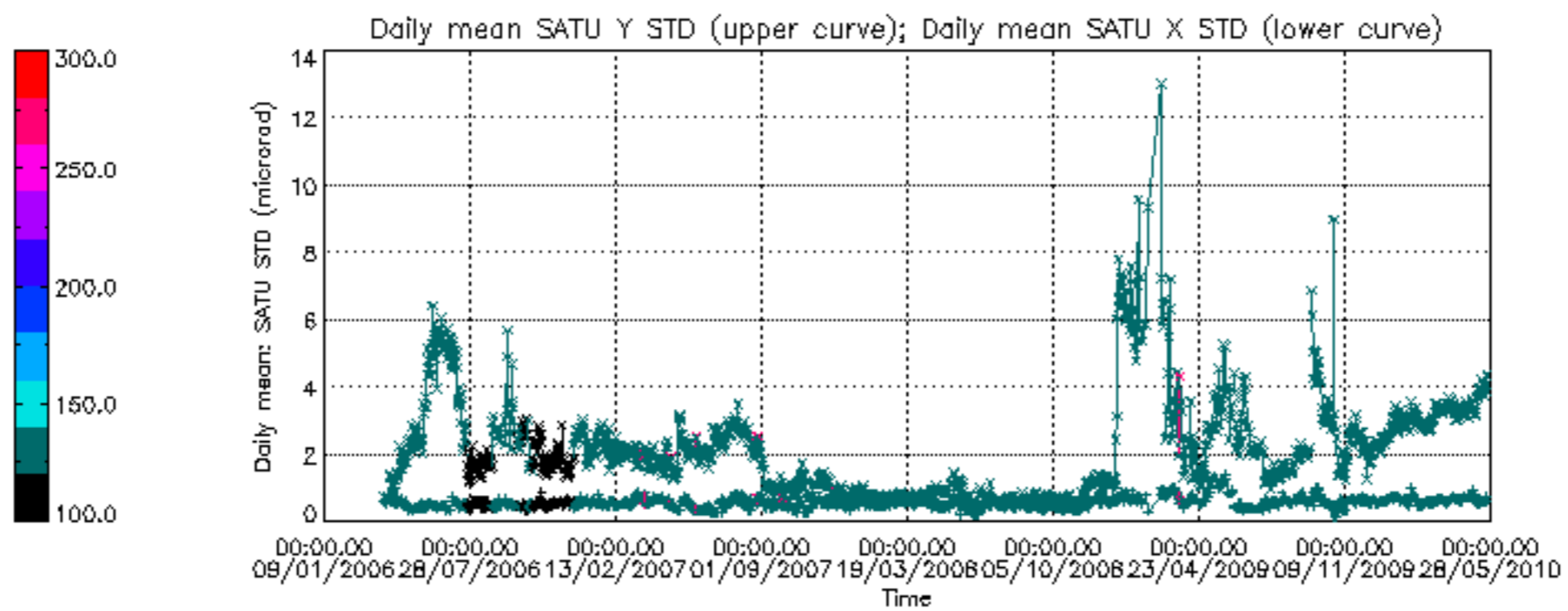
Tangent altitude at which the star is lost











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

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 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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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
12; 853.3; 01-MAY-2010 06:10:40; Dark ; 61.5; 25; 35Lam Sco ; 1.62; 28000;occ; 123; 0;42702
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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
18; 2233.1; 01-MAY-2010 06:33:40; Bright; 40.0; 111; 8Eta Boo ; 2.68; 6000;occ; 80; 0;42702
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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12; 3825.4; 01-MAY-2010 20:25:00; Bright; 40.5; 89; 5Alp Cep ; 2.45; 8000;occ; 81; 0;42710
13; 4509.7; 01-MAY-2010 20:36:24; Dark ; 49.5; 164; 44Eta Peg ; 2.95; 5400;occ; 99; 0;42710
14; 4776.8; 01-MAY-2010 20:40:51; Dark ; 46.0; 90; 54Alp Peg ; 2.49; 11000;occ; 92; 0;42710
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16; 2631.5; 01-MAY-2010 21:45:42; Bright; 39.5; 180; 27Gam Boo ; 3.04; 8000;occ; 79; 0;42711
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4; 757.1; 01-MAY-2010 22:55:03; Dark ; 52.5; 40; The Sco ; 1.86; 7100;occ; 105; 0;42712
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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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 6; -181.7; 06-MAY-2010 06:36:32; Dark ; 43.5; 172; Gam Gru ; 3.00; 13100;occ; 87; 0;42773  
 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  
 13; 1725.3; 06-MAY-2010 07:08:19; Bright; 31.5; 104; 27Bet Lib ; 2.61; 13100;occ; 63; 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  
 4; 2422.5; 06-MAY-2010 07:19:56; Bright; 41.5; 83; ; 2.38; 11000;occ; 83; 0;42774  
 5; 2517.9; 06-MAY-2010 07:21:32; Bright; 48.5; 67; 5Alp CrB ; 2.22; 11000;occ; 97; 0;42774  
 6; 3166.4; 06-MAY-2010 07:32:20; Bright; 44.0; 119; 14Eta Dra ; 2.73; 4700;occ; 88; 0;42774  
 7; 3804.7; 06-MAY-2010 07:42:59; Bright; 44.0; 89; 5Alp Cep ; 2.45; 8000;occ; 88; 0;42774  
 8; 4550.1; 06-MAY-2010 07:55:24; Dark ; 53.0; 93; 53Bet Peg ; 2.52; 3100;occ; 106; 0;42774  
 9; 4799.0; 06-MAY-2010 07:59:33; Dark ; 48.0; 90; 54Alp Peg ; 2.49; 11000;occ; 96; 0;42774  
 10; 5243.4; 06-MAY-2010 08:06:57; Dark ; 59.5; 162; 34Alp Aqr ; 2.94; 5350;occ; 119; 0;42774  
 11; 5650.6; 06-MAY-2010 08:13:45; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;42774  
 12; 5855.2; 06-MAY-2010 08:17:09; Dark ; 42.0; 172; Gam Gru ; 3.00; 13100;occ; 84; 0;42774  
 13; 6818.6; 06-MAY-2010 08:33:12; Dark ; 65.5; 38; 20Eps Sgr ; 1.84; 11000;occ; 131; 0;42775  
 14; 6955.2; 06-MAY-2010 08:35:29; Dark ; 58.0; 25; 35Lam Sco ; 1.62; 28000;occ; 116; 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  
 5; 2517.2; 06-MAY-2010 09:02:07; Bright; 50.5; 67; 5Alp CrB ; 2.22; 11000;occ; 101; 0;42775  
 6; 3165.8; 06-MAY-2010 09:12:56; Bright; 43.5; 119; 14Eta Dra ; 2.73; 4700;occ; 87; 0;42775  
 7; 3804.4; 06-MAY-2010 09:23:34; Bright; 45.5; 89; 5Alp Cep ; 2.45; 8000;occ; 91; 0;42775  
 8; 4550.2; 06-MAY-2010 09:36:00; Dark ; 51.0; 93; 53Bet Peg ; 2.52; 3100;occ; 102; 0;42775  
 9; 4799.3; 06-MAY-2010 09:40:09; Dark ; 50.0; 90; 54Alp Peg ; 2.49; 11000;occ; 100; 0;42775  
 10; 5244.3; 06-MAY-2010 09:47:34; Dark ; 62.5; 162; 34Alp Aqr ; 2.94; 5350;occ; 125; 0;42775  
 11; 5652.0; 06-MAY-2010 09:54:22; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;42775  
 12; 5855.9; 06-MAY-2010 09:57:46; Dark ; 42.5; 172; Gam Gru ; 3.00; 13100;occ; 85; 0;42775  
 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  
 15; 7125.7; 06-MAY-2010 10:18:56; Dark ; 59.0; 75; 26Eps Sco ; 2.29; 4250;occ; 118; 0;42776  
 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  
 9; 4550.5; 06-MAY-2010 11:16:36; Dark ; 61.0; 93; 53Bet Peg ; 2.52; 3100;occ; 122; 0;42776  
 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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 3; 2103.5; 06-MAY-2010 12:16:25; Bright; 53.0; 102; 24Alp Ser ; 2.60; 4250;occ; 106; 0;42777
 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
 6; 2516.0; 06-MAY-2010 12:23:18; Bright; 52.0; 67; 5Alp CrB ; 2.22; 11000;occ; 104; 0;42777
 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
 6; 2420.9; 06-MAY-2010 14:02:18; Bright; 41.5; 83; ; 2.38; 11000;occ; 83; 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
14; 5858.7; 06-MAY-2010 14:59:36; Dark ; 41.5; 172; Gam Gru ; 3.00; 13100;occ; 83; 0;42778
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 3; 813.8; 06-MAY-2010 16:56:43; Dark ; 52.0; 40; The Sco ; 1.86; 7100;occ; 104; 0;42780
 4; 928.7; 06-MAY-2010 16:58:38; Dark ; 34.0; 115; 34Ups Sco ; 2.70; 26000;occ; 68; 0;42780
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 3; -99.0; 06-MAY-2010 23:23:54; Dark ; 50.0; 31; Alp Gru ; 1.73; 15200;occ; 100; 0;42783
 4; 235.4; 06-MAY-2010 23:29:29; Dark ; 40.5; 45; Alp Pav ; 1.94; 26000;occ; 81; 0;42784
 5; 686.1; 06-MAY-2010 23:36:59; Dark ; 42.0; 141; Bet Ara ; 2.84; 4600;occ; 84; 0;42784
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 7; 932.0; 06-MAY-2010 23:41:05; Dark ; 39.0; 115; 34Ups Sco ; 2.70; 26000;occ; 78; 0;42784
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 9; 1333.9; 06-MAY-2010 23:47:47; Dark ; 25.0; 156; 20Sig Sco ; 2.90; 28000;occ; 50; 0;42784
10; 1423.3; 06-MAY-2010 23:49:16; Dark ; 52.5; 80; 7Del Sco ; 2.32; 30000;occ; 105; 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
18; 3160.7; 07-MAY-2010 00:18:14; Bright; 44.0; 119; 14Eta Dra ; 2.73; 4700;occ; 88; 0;42784
19; 3801.2; 07-MAY-2010 00:28:54; Bright; 43.0; 89; 5Alp Cep ; 2.45; 8000;occ; 86; 0;42784
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21; 4551.9; 07-MAY-2010 00:41:25; Dark ; 52.5; 93; 53Bet Peg ; 2.52; 3100;occ; 105; 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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34; 7760.8; 07-MAY-2010 03:15:30; Bright; 43.5; 104; 27Bet Lib ; 2.61; 13100;occ; 87; 0;42786
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22; 8790.4; 07-MAY-2010 05:13:15; Bright; 35.5; 39; 85Eta UMa ; 1.85; 24000;occ; 71; 0;42787
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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
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6; 693.7; 07-MAY-2010 21:24:54; Dark ; 50.0; 141; Bet Ara ; 2.84; 4600;occ; 100; 0;42797  
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 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  
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 11; 1427.9; 08-MAY-2010 02:38:56; Dark ; 55.5; 80; 7Del Sco ; 2.32; 30000;occ; 111; 0;42800  
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 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
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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
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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  
 22; 4746.7; 11-MAY-2010 23:47:11; Dark ; 39.5; 140; 88Gam Peg ; 2.83; 26000;occ; 79; 0;42855  
 23; 4832.1; 11-MAY-2010 23:48:36; Dark ; 50.5; 90; 54Alp Peg ; 2.49; 11000;occ; 101; 0;42855

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 4; 1329.2; 11-MAY-2010 19:29:02; Dark ; 69.0; 16; 21Alp Sco ; 1.02; 3000;occ; 138; 0;42853  
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 7; 1725.4; 11-MAY-2010 19:35:38; Bright; 42.0; 104; 27Bet Lib ; 2.61; 13100;occ; 84; 0;42853  
 8; 2237.3; 11-MAY-2010 19:44:10; Bright; 39.0; 3; 16Alp Boo ; -0.05; 4250;occ; 78; 0;42853  
 9; 2396.5; 11-MAY-2010 19:46:49; Bright; 39.5; 83; ; 2.38; 11000;occ; 79; 0;42853  
 10; 2583.0; 11-MAY-2010 19:49:56; Bright; 37.5; 180; 27Gam Boo ; 3.04; 8000;occ; 75; 0;42853  
 11; 2747.7; 11-MAY-2010 19:52:40; Bright; 34.5; 39; 85Eta UMa ; 1.85; 24000;occ; 69; 0;42853  
 12; 3122.9; 11-MAY-2010 19:58:55; Bright; 43.0; 119; 14Eta Dra ; 2.73; 4700;occ; 86; 0;42853  
 13; 3775.3; 11-MAY-2010 20:09:48; Bright; 43.0; 89; 5Alp Cep ; 2.45; 8000;occ; 86; 0;42853  
 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
25; 7017.1; 11-MAY-2010 21:03:50; Dark ; 53.0; 25; 35Lam Sco ; 1.62; 28000;occ; 106; 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
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18; 3121.5; 12-MAY-2010 01:00:42; Bright; 43.5; 119; 14Eta Dra ; 2.73; 4700;occ; 87; 0;42856
19; 3773.6; 12-MAY-2010 01:11:34; Bright; 45.0; 89; 5Alp Cep ; 2.45; 8000;occ; 90; 0;42856
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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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 5; 285.6; 12-MAY-2010 01:54:02; Dark ; 45.5; 45; Alp Pav ; 1.94; 26000;occ; 91; 0;42857
 6; 727.3; 12-MAY-2010 02:01:23; Dark ; 49.0; 141; Bet Ara ; 2.84; 4600;occ; 98; 0;42857
 7; 871.9; 12-MAY-2010 02:03:48; Dark ; 48.5; 40; The Sco ; 1.86; 7100;occ; 97; 0;42857
 8; 983.8; 12-MAY-2010 02:05:40; Dark ; 51.0; 25; 35Lam Sco ; 1.62; 28000;occ; 102; 0;42857
 9; 1135.7; 12-MAY-2010 02:08:12; Dark ; 52.5; 75; 26Eps Sco ; 2.29; 4250;occ; 105; 0;42857
10; 1330.8; 12-MAY-2010 02:11:27; Dark ; 58.5; 16; 21Alp Sco ; 1.02; 3000;occ; 117; 0;42857
11; 1441.2; 12-MAY-2010 02:13:17; Dark ; 49.5; 80; 7Del Sco ; 2.32; 30000;occ; 99; 0;42857
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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 3; -1469.3; 12-MAY-2010 03:05:23; Dark ; 64.5; 93; 53Bet Peg ; 2.52; 3100;occ; 129; 0;42857
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 9; -49.0; 12-MAY-2010 03:29:03; Dark ; 46.0; 31; Alp Gru ; 1.73; 15200;occ; 92; 0;42857
10; 286.0; 12-MAY-2010 03:34:38; Dark ; 41.5; 45; Alp Pav ; 1.94; 26000;occ; 83; 0;42858
11; 727.8; 12-MAY-2010 03:42:00; Dark ; 42.0; 141; Bet Ara ; 2.84; 4600;occ; 84; 0;42858
12; 872.5; 12-MAY-2010 03:44:24; Dark ; 52.5; 40; The Sco ; 1.86; 7100;occ; 105; 0;42858
13; 984.5; 12-MAY-2010 03:46:16; Dark ; 56.5; 25; 35Lam Sco ; 1.62; 28000;occ; 113; 0;42858
14; 1136.3; 12-MAY-2010 03:48:48; Dark ; 50.0; 75; 26Eps Sco ; 2.29; 4250;occ; 100; 0;42858
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16; 1441.4; 12-MAY-2010 03:53:53; Dark ; 59.0; 80; 7Del Sco ; 2.32; 30000;occ; 118; 0;42858
17; 1608.4; 12-MAY-2010 03:56:40; Bright; 38.0; 122; 9Alp2Lib ; 2.75; 9700;occ; 76; 0;42858
18; 1725.7; 12-MAY-2010 03:58:38; Bright; 42.0; 104; 27Bet Lib ; 2.61; 13100;occ; 84; 0;42858

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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
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 4; 1443.4; 12-MAY-2010 18:59:19; Dark ; 59.5; 80; 7Del Sco ; 2.32; 30000;occ; 119; 0;42867  
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 9; 2393.0; 12-MAY-2010 19:15:08; Bright; 39.0; 83; ; 2.38; 11000;occ; 78; 0;42867  
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 11; 2746.6; 12-MAY-2010 19:21:02; Bright; 38.5; 39; 85Eta UMa ; 1.85; 24000;occ; 77; 0;42867  
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18; 2747.0; 12-MAY-2010 22:42:14; Bright; 35.0; 39; 85Eta UMa ; 1.85; 24000;occ; 70; 0;42869
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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
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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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7; -232.0; 14-MAY-2010 05:43:58; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;42887
8; -27.4; 14-MAY-2010 05:47:23; Dark ; 43.0; 31; Alp Gru ; 1.73; 15200;occ; 86; 0;42887
9; 307.3; 14-MAY-2010 05:52:57; Dark ; 42.0; 45; Alp Pav ; 1.94; 26000;occ; 84; 0;42888
10; 744.0; 14-MAY-2010 06:00:14; Dark ; 44.5; 141; Bet Ara ; 2.84; 4600;occ; 89; 0;42888
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 11; 894.0; 14-MAY-2010 07:43:20; Dark ; 50.5; 40; The Sco ; 1.86; 7100;occ; 101; 0;42889  
 12; 1006.0; 14-MAY-2010 07:45:12; Dark ; 56.0; 25; 35Lam Sco ; 1.62; 28000;occ; 112; 0;42889  
 13; 1151.8; 14-MAY-2010 07:47:38; Dark ; 53.5; 75; 26Eps Sco ; 2.29; 4250;occ; 107; 0;42889  
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 5; 2388.1; 14-MAY-2010 08:08:14; Bright; 40.0; 83; ; 2.38; 11000;occ; 80; 0;42889  
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 9; 3963.0; 14-MAY-2010 08:34:29; Bright; 54.0; 74; 11Bet Cas ; 2.27; 6600;occ; 108; 0;42889  
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 23; 7648.2; 14-MAY-2010 09:35:54; Bright; 38.0; 122; 9Alp2Lib ; 2.75; 9700;occ; 76; 0;42890  
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 3; 2054.9; 14-MAY-2010 09:43:17; Bright; 45.5; 102; 24Alp Ser ; 2.60; 4250;occ; 91; 0;42890  
 4; 2387.6; 14-MAY-2010 09:48:49; Bright; 41.0; 83; ; 2.38; 11000;occ; 82; 0;42890  
 5; 2575.6; 14-MAY-2010 09:51:57; Bright; 38.5; 180; 27Gam Boo ; 3.04; 8000;occ; 77; 0;42890  
 6; 3104.2; 14-MAY-2010 10:00:46; Bright; 42.5; 119; 14Eta Dra ; 2.73; 4700;occ; 85; 0;42890  
 7; 3759.7; 14-MAY-2010 10:11:42; Bright; 43.5; 89; 5Alp Cep ; 2.45; 8000;occ; 87; 0;42890  
 8; 3963.1; 14-MAY-2010 10:15:05; Bright; 34.5; 74; 11Bet Cas ; 2.27; 6600;occ; 69; 0;42890  
 9; 4573.3; 14-MAY-2010 10:25:15; Dark ; 58.5; 93; 53Bet Peg ; 2.52; 3100;occ; 117; 0;42890  
 10; 4756.5; 14-MAY-2010 10:28:18; Dark ; 41.5; 140; 88Gam Peg ; 2.83; 26000;occ; 83; 0;42890  
 11; 4848.9; 14-MAY-2010 10:29:51; Dark ; 54.5; 90; 54Alp Peg ; 2.49; 11000;occ; 109; 0;42890  
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 13; 5806.4; 14-MAY-2010 10:45:48; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;42890  
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9; 4573.7; 14-MAY-2010 12:05:51; Dark ; 55.0; 93; 53Bet Peg ; 2.52; 3100;occ; 110; 0;42891
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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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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
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 17; 6804.0; 17-MAY-2010 12:48:47; Dark ; 47.0; 141; Bet Ara ; 2.84; 4600;occ; 94; 0;42935  
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 19; 7072.0; 17-MAY-2010 12:53:15; Dark ; 52.0; 25; 35Lam Sco ; 1.62; 28000;occ; 104; 0;42935  
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 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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 5; 2568.0; 17-MAY-2010 13:18:46; Bright; 36.5; 180; 27Gam Boo ; 3.04; 8000;occ; 73; 0;42935  
 6; 3083.0; 17-MAY-2010 13:27:21; Bright; 40.0; 119; 14Eta Dra ; 2.73; 4700;occ; 80; 0;42935  
 7; 3740.0; 17-MAY-2010 13:38:18; Bright; 45.0; 89; 5Alp Cep ; 2.45; 8000;occ; 90; 0;42935  
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 17; 6804.3; 17-MAY-2010 14:29:23; Dark ; 48.5; 141; Bet Ara ; 2.84; 4600;occ; 97; 0;42936  
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 19; 7072.5; 17-MAY-2010 14:33:51; Dark ; 52.5; 25; 35Lam Sco ; 1.62; 28000;occ; 105; 0;42936  
 20; 7209.4; 17-MAY-2010 14:36:08; Dark ; 49.5; 75; 26Eps Sco ; 2.29; 4250;occ; 99; 0;42936  
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 4; 2041.8; 17-MAY-2010 14:50:36; Bright; 43.0; 102; 24Alp Ser ; 2.60; 4250;occ; 86; 0;42936  
 5; 2379.1; 17-MAY-2010 14:56:13; Bright; 37.5; 83; ; 2.38; 11000;occ; 75; 0;42936  
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 7; 3082.8; 17-MAY-2010 15:07:57; Bright; 37.0; 119; 14Eta Dra ; 2.73; 4700;occ; 74; 0;42936  
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 9; 3960.5; 17-MAY-2010 15:22:35; Bright; 55.0; 74; 11Bet Cas ; 2.27; 6600;occ; 110; 0;42936  
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 11; 4770.0; 17-MAY-2010 15:36:04; Dark ; 41.5; 140; 88Gam Peg ; 2.83; 26000;occ; 83; 0;42936  
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 17; 6377.6; 17-MAY-2010 16:02:52; Dark ; 41.0; 45; Alp Pav ; 1.94; 26000;occ; 82; 0;42937  
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 5; 2041.6; 17-MAY-2010 16:31:12; Bright; 43.5; 102; 24Alp Ser ; 2.60; 4250;occ; 87; 0;42937  
 6; 2378.8; 17-MAY-2010 16:36:49; Bright; 37.0; 83; ; 2.38; 11000;occ; 74; 0;42937  
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 19; 6805.5; 17-MAY-2010 17:50:36; Dark ; 50.0; 141; Bet Ara ; 2.84; 4600;occ; 100; 0;42938  
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6; 774.6; 18-MAY-2010 02:13:40; Dark ; 46.0; 141; Bet Ara ; 2.84; 4600;occ; 92; 0;42943
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14; 1176.9; 18-MAY-2010 04:00:59; Dark ; 51.0; 75; 26Eps Sco ; 2.29; 4250;occ; 102; 0;42944
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6; 3078.0; 18-MAY-2010 07:53:52; Bright; 42.0; 119; 14Eta Dra ; 2.73; 4700;occ; 84; 0;42946
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7; 3937.4; 21-MAY-2010 08:13:56; Bright; 53.0; 76; 27Gam Cas ; 2.30; 30000;occ; 106; 0;42989
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 16; 6830.3; 21-MAY-2010 09:02:09; Dark ; 48.5; 141; Bet Ara ; 2.84; 4600;occ; 97; 0;42990  
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 6; 3059.1; 21-MAY-2010 09:39:54; Bright; 39.5; 119; 14Eta Dra ; 2.73; 4700;occ; 79; 0;42990  
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 9; 4010.0; 21-MAY-2010 09:55:44; Bright; 54.0; 68; 18Alp Cas ; 2.22; 4500;occ; 108; 0;42990  
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 16; 6415.8; 21-MAY-2010 10:35:50; Dark ; 45.0; 45; Alp Pav ; 1.94; 26000;occ; 90; 0;42991  
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 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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 4; 2372.4; 21-MAY-2010 11:09:03; Bright; 37.0; 83; ; 2.38; 11000;occ; 74; 0;42991  
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 6; 3058.7; 21-MAY-2010 11:20:29; Bright; 41.0; 119; 14Eta Dra ; 2.73; 4700;occ; 82; 0;42991  
 7; 3175.0; 21-MAY-2010 11:22:25; Bright; 39.0; 60; 7Bet UMi ; 2.08; 3950;occ; 78; 0;42991  
 8; 3937.4; 21-MAY-2010 11:35:08; Bright; 35.5; 76; 27Gam Cas ; 2.30; 30000;occ; 71; 0;42991  
 9; 4010.0; 21-MAY-2010 11:36:20; Bright; 35.5; 68; 18Alp Cas ; 2.22; 4500;occ; 71; 0;42991  
 10; 4526.9; 21-MAY-2010 11:44:57; Dark ; 46.5; 58; 21Alp And ; 2.07; 11000;occ; 93; 0;42991  
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 12; 5745.9; 21-MAY-2010 12:05:16; Dark ; 54.0; 18; 24Alp PsA ; 1.17; 9700;occ; 108; 0;42991  
 13; 5899.7; 21-MAY-2010 12:07:50; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;42991  
 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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 4; 2372.5; 21-MAY-2010 12:49:39; Bright; 35.5; 83; ; 2.38; 11000;occ; 71; 0;42992  
 5; 2561.9; 21-MAY-2010 12:52:48; Bright; 36.0; 180; 27Gam Boo ; 3.04; 8000;occ; 72; 0;42992  
 6; 3174.7; 21-MAY-2010 13:03:01; Bright; 38.0; 60; 7Bet UMi ; 2.08; 3950;occ; 76; 0;42992  
 7; 3937.7; 21-MAY-2010 13:15:44; Bright; 53.0; 76; 27Gam Cas ; 2.30; 30000;occ; 106; 0;42992  
 8; 4009.8; 21-MAY-2010 13:16:56; Bright; 35.5; 68; 18Alp Cas ; 2.22; 4500;occ; 71; 0;42992  
 9; 4527.5; 21-MAY-2010 13:25:34; Dark ; 46.0; 58; 21Alp And ; 2.07; 11000;occ; 92; 0;42992  
 10; 4788.2; 21-MAY-2010 13:29:54; Dark ; 46.0; 140; 88Gam Peg ; 2.83; 26000;occ; 92; 0;42992

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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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 7; 1841.6; 22-MAY-2010 20:32:11; Bright; 44.5; 120; 1Del Oph ; 2.73; 3200;occ; 89; 0;43011  
 8; 2026.5; 22-MAY-2010 20:35:15; Bright; 40.0; 102; 24Alp Ser ; 2.60; 4250;occ; 80; 0;43011  
 9; 2370.8; 22-MAY-2010 20:41:00; Bright; 36.5; 83; ; 2.38; 11000;occ; 73; 0;43011  
 10; 2560.7; 22-MAY-2010 20:44:10; Bright; 36.0; 180; 27Gam Boo ; 3.04; 8000;occ; 72; 0;43011  
 11; 3050.8; 22-MAY-2010 20:52:20; Bright; 42.5; 119; 14Eta Dra ; 2.73; 4700;occ; 85; 0;43011  
 12; 3173.5; 22-MAY-2010 20:54:22; Bright; 38.5; 60; 7Bet UMi ; 2.08; 3950;occ; 77; 0;43011  
 13; 3936.8; 22-MAY-2010 21:07:06; Bright; 34.5; 76; 27Gam Cas ; 2.30; 30000;occ; 69; 0;43011  
 14; 4009.5; 22-MAY-2010 21:08:18; Bright; 36.5; 68; 18Alp Cas ; 2.22; 4500;occ; 73; 0;43011  
 15; 4530.4; 22-MAY-2010 21:16:59; Dark ; 47.0; 58; 21Alp And ; 2.07; 11000;occ; 94; 0;43011  
 16; 4794.9; 22-MAY-2010 21:21:24; Dark ; 44.0; 140; 88Gam Peg ; 2.83; 26000;occ; 88; 0;43011

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 2; -2026.3; 22-MAY-2010 06:02:55; Bright; 39.5; 68; 18Alp Cas ; 2.22; 4500;occ; 79; 0;43002  
 3; -1506.8; 22-MAY-2010 06:11:35; Dark ; 48.5; 58; 21Alp And ; 2.07; 11000;occ; 97; 0;43002  
 4; -1244.3; 22-MAY-2010 06:15:57; Dark ; 45.0; 140; 88Gam Peg ; 2.83; 26000;occ; 90; 0;43002  
 5; -279.3; 22-MAY-2010 06:32:02; Dark ; 59.5; 18; 24Alp PsA ; 1.17; 9700;occ; 119; 0;43002  
 6; -125.1; 22-MAY-2010 06:34:36; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;43002  
 7; -35.8; 22-MAY-2010 06:36:06; Dark ; 59.0; 63; Bet Gru ; 2.15; 2800;occ; 118; 0;43002  
 8; 62.6; 22-MAY-2010 06:37:44; Dark ; 44.0; 31; Alp Gru ; 1.73; 15200;occ; 88; 0;43003  
 9; 388.1; 22-MAY-2010 06:43:10; Dark ; 42.5; 45; Alp Pav ; 1.94; 26000;occ; 85; 0;43003  
 10; 800.2; 22-MAY-2010 06:50:02; Dark ; 46.0; 141; Bet Ara ; 2.84; 4600;occ; 92; 0;43003  
 11; 964.6; 22-MAY-2010 06:52:46; Dark ; 50.0; 40; The Sco ; 1.86; 7100;occ; 100; 0;43003  
 12; 1075.8; 22-MAY-2010 06:54:37; Dark ; 53.0; 25; 35Lam Sco ; 1.62; 28000;occ; 106; 0;43003  
 13; 1201.5; 22-MAY-2010 06:56:43; Dark ; 50.0; 75; 26Eps Sco ; 2.29; 4250;occ; 100; 0;43003  
 14; 1375.4; 22-MAY-2010 06:59:37; Dark ; 61.0; 16; 21Alp Sco ; 1.02; 3000;occ; 122; 0;43003  
 15; 1521.3; 22-MAY-2010 07:02:03; Bright; 42.5; 97; 8Bet1Sco ; 2.56; 30000;occ; 85; 0;43003  
 16; 1732.4; 22-MAY-2010 07:05:34; Bright; 40.0; 104; 27Bet Lib ; 2.61; 13100;occ; 80; 0;43003

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 2; 1842.7; 22-MAY-2010 07:07:24; Bright; 44.5; 120; 1Del Oph ; 2.73; 3200;occ; 89; 0;43003  
 3; 2027.8; 22-MAY-2010 07:10:29; Bright; 41.0; 102; 24Alp Ser ; 2.60; 4250;occ; 82; 0;43003  
 4; 2371.3; 22-MAY-2010 07:16:13; Bright; 39.0; 83; ; 2.38; 11000;occ; 78; 0;43003  
 5; 2561.0; 22-MAY-2010 07:19:23; Bright; 36.0; 180; 27Gam Boo ; 3.04; 8000;occ; 72; 0;43003  
 6; 3053.9; 22-MAY-2010 07:27:35; Bright; 41.0; 119; 14Eta Dra ; 2.73; 4700;occ; 82; 0;43003  
 7; 3173.9; 22-MAY-2010 07:29:35; Bright; 40.0; 60; 7Bet UMi ; 2.08; 3950;occ; 80; 0;43003  
 8; 3937.2; 22-MAY-2010 07:42:19; Bright; 54.0; 76; 27Gam Cas ; 2.30; 30000;occ; 108; 0;43003  
 9; 4009.7; 22-MAY-2010 07:43:31; Bright; 37.5; 68; 18Alp Cas ; 2.22; 4500;occ; 75; 0;43003  
 10; 4529.3; 22-MAY-2010 07:52:11; Dark ; 48.0; 58; 21Alp And ; 2.07; 11000;occ; 96; 0;43003  
 11; 4791.9; 22-MAY-2010 07:56:33; Dark ; 47.0; 140; 88Gam Peg ; 2.83; 26000;occ; 94; 0;43003  
 12; 5757.5; 22-MAY-2010 08:12:39; Dark ; 57.0; 18; 24Alp PsA ; 1.17; 9700;occ; 114; 0;43003



13; 5911.9; 22-MAY-2010 08:15:13; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;43003  
 14; 6001.3; 22-MAY-2010 08:16:43; Dark ; 56.5; 63; Bet Gru ; 2.15; 2800;occ; 113; 0;43003  
 15; 6099.5; 22-MAY-2010 08:18:21; Dark ; 44.5; 31; Alp Gru ; 1.73; 15200;occ; 89; 0;43004  
 16; 6425.3; 22-MAY-2010 08:23:47; Dark ; 43.0; 45; Alp Pav ; 1.94; 26000;occ; 86; 0;43004  
 17; 6836.9; 22-MAY-2010 08:30:38; Dark ; 45.5; 141; Bet Ara ; 2.84; 4600;occ; 91; 0;43004  
 18; 7001.3; 22-MAY-2010 08:33:23; Dark ; 49.0; 40; The Sco ; 1.86; 7100;occ; 98; 0;43004  
 19; 7112.4; 22-MAY-2010 08:35:14; Dark ; 49.0; 25; 35Lam Sco ; 1.62; 28000;occ; 98; 0;43004  
 20; 7237.5; 22-MAY-2010 08:37:19; Dark ; 49.0; 75; 26Eps Sco ; 2.29; 4250;occ; 98; 0;43004  
 21; 7411.7; 22-MAY-2010 08:40:13; Dark ; 53.0; 16; 21Alp Sco ; 1.02; 3000;occ; 106; 0;43004  
 22; 7557.4; 22-MAY-2010 08:42:39; Bright; 43.0; 97; 8Bet1Sco ; 2.56; 30000;occ; 86; 0;43004  
 23; 7769.1; 22-MAY-2010 08:46:11; Bright; 37.5; 104; 27Bet Lib ; 2.61; 13100;occ; 75; 0;43004

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1; 1759.1; 22-MAY-2010 08:46:37; Bright; 38.0; 104; 27Bet Lib ; 2.61; 13100;occ; 76; 52;43004  
 2; 1842.6; 22-MAY-2010 08:48:00; Bright; 44.5; 120; 1Del Oph ; 2.73; 3200;occ; 89; 0;43004  
 3; 2027.9; 22-MAY-2010 08:51:05; Bright; 40.5; 102; 24Alp Ser ; 2.60; 4250;occ; 81; 0;43004  
 4; 2371.1; 22-MAY-2010 08:56:49; Bright; 38.5; 83; ; 2.38; 11000;occ; 77; 0;43004  
 5; 2560.8; 22-MAY-2010 08:59:58; Bright; 36.5; 180; 27Gam Boo ; 3.04; 8000;occ; 73; 0;43004  
 6; 3053.6; 22-MAY-2010 09:08:11; Bright; 41.5; 119; 14Eta Dra ; 2.73; 4700;occ; 83; 0;43004  
 7; 3173.9; 22-MAY-2010 09:10:11; Bright; 38.0; 60; 7Bet UMi ; 2.08; 3950;occ; 76; 0;43004  
 8; 3937.2; 22-MAY-2010 09:22:55; Bright; 41.0; 76; 27Gam Cas ; 2.30; 30000;occ; 82; 0;43004  
 9; 4009.7; 22-MAY-2010 09:24:07; Bright; 38.0; 68; 18Alp Cas ; 2.22; 4500;occ; 76; 0;43004  
 10; 4529.3; 22-MAY-2010 09:32:47; Dark ; 47.5; 58; 21Alp And ; 2.07; 11000;occ; 95; 0;43004  
 11; 4792.5; 22-MAY-2010 09:37:10; Dark ; 46.5; 140; 88Gam Peg ; 2.83; 26000;occ; 93; 0;43004  
 12; 5757.9; 22-MAY-2010 09:53:15; Dark ; 54.5; 18; 24Alp PsA ; 1.17; 9700;occ; 109; 0;43004  
 13; 5912.8; 22-MAY-2010 09:55:50; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;43004  
 14; 6001.6; 22-MAY-2010 09:57:19; Dark ; 59.0; 63; Bet Gru ; 2.15; 2800;occ; 118; 0;43004  
 15; 6085.9; 22-MAY-2010 09:58:43; Dark ; 48.0; 172; Gam Gru ; 3.00; 13100;occ; 96; 0;43005  
 16; 6425.8; 22-MAY-2010 10:04:23; Dark ; 42.5; 45; Alp Pav ; 1.94; 26000;occ; 85; 0;43005  
 17; 6837.3; 22-MAY-2010 10:11:15; Dark ; 44.0; 141; Bet Ara ; 2.84; 4600;occ; 88; 0;43005  
 18; 7001.9; 22-MAY-2010 10:13:59; Dark ; 51.5; 40; The Sco ; 1.86; 7100;occ; 103; 0;43005  
 19; 7112.7; 22-MAY-2010 10:15:50; Dark ; 54.0; 25; 35Lam Sco ; 1.62; 28000;occ; 108; 0;43005  
 20; 7238.2; 22-MAY-2010 10:17:56; Dark ; 50.0; 75; 26Eps Sco ; 2.29; 4250;occ; 100; 0;43005  
 21; 7411.8; 22-MAY-2010 10:20:49; Dark ; 54.0; 16; 21Alp Sco ; 1.02; 3000;occ; 108; 0;43005  
 22; 7557.6; 22-MAY-2010 10:23:15; Bright; 41.0; 97; 8Bet1Sco ; 2.56; 30000;occ; 82; 0;43005

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 2; 1842.2; 22-MAY-2010 10:28:36; Bright; 44.5; 120; 1Del Oph ; 2.73; 3200;occ; 89; 0;43005  
 3; 2027.4; 22-MAY-2010 10:31:41; Bright; 40.5; 102; 24Alp Ser ; 2.60; 4250;occ; 81; 0;43005  
 4; 2371.1; 22-MAY-2010 10:37:24; Bright; 36.5; 83; ; 2.38; 11000;occ; 73; 0;43005  
 5; 2560.8; 22-MAY-2010 10:40:34; Bright; 36.5; 180; 27Gam Boo ; 3.04; 8000;occ; 73; 0;43005  
 6; 3053.1; 22-MAY-2010 10:48:46; Bright; 41.0; 119; 14Eta Dra ; 2.73; 4700;occ; 82; 0;43005  
 7; 3173.9; 22-MAY-2010 10:50:47; Bright; 39.0; 60; 7Bet UMi ; 2.08; 3950;occ; 78; 0;43005  
 8; 3937.4; 22-MAY-2010 11:03:31; Bright; 53.5; 76; 27Gam Cas ; 2.30; 30000;occ; 107; 0;43005  
 9; 4009.9; 22-MAY-2010 11:04:43; Bright; 36.0; 68; 18Alp Cas ; 2.22; 4500;occ; 72; 0;43005  
 10; 4529.5; 22-MAY-2010 11:13:23; Dark ; 47.5; 58; 21Alp And ; 2.07; 11000;occ; 95; 0;43005  
 11; 4792.9; 22-MAY-2010 11:17:46; Dark ; 43.5; 140; 88Gam Peg ; 2.83; 26000;occ; 87; 0;43005  
 12; 5759.1; 22-MAY-2010 11:33:52; Dark ; 52.0; 18; 24Alp PsA ; 1.17; 9700;occ; 104; 0;43005  
 13; 5913.8; 22-MAY-2010 11:36:27; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;43005  
 14; 6002.5; 22-MAY-2010 11:37:56; Dark ; 45.5; 63; Bet Gru ; 2.15; 2800;occ; 91; 0;43005  
 15; 6086.7; 22-MAY-2010 11:39:20; Dark ; 48.5; 172; Gam Gru ; 3.00; 13100;occ; 97; 0;43006  
 16; 6426.4; 22-MAY-2010 11:45:00; Dark ; 41.5; 45; Alp Pav ; 1.94; 26000;occ; 83; 0;43006  
 17; 6837.5; 22-MAY-2010 11:51:51; Dark ; 43.5; 141; Bet Ara ; 2.84; 4600;occ; 87; 0;43006  
 18; 7002.4; 22-MAY-2010 11:54:36; Dark ; 50.5; 40; The Sco ; 1.86; 7100;occ; 101; 0;43006  
 19; 7113.4; 22-MAY-2010 11:56:27; Dark ; 55.0; 25; 35Lam Sco ; 1.62; 28000;occ; 110; 0;43006  
 20; 7238.2; 22-MAY-2010 11:58:32; Dark ; 49.0; 75; 26Eps Sco ; 2.29; 4250;occ; 98; 0;43006  
 21; 7412.0; 22-MAY-2010 12:01:25; Dark ; 55.0; 16; 21Alp Sco ; 1.02; 3000;occ; 110; 0;43006  
 22; 7557.7; 22-MAY-2010 12:03:51; Bright; 45.5; 97; 8Bet1Sco ; 2.56; 30000;occ; 91; 0;43006

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 3; 2027.3; 22-MAY-2010 12:12:16; Bright; 40.5; 102; 24Alp Ser ; 2.60; 4250;occ; 81; 0;43006  
 4; 2371.0; 22-MAY-2010 12:18:00; Bright; 40.5; 83; ; 2.38; 11000;occ; 81; 0;43006  
 5; 2560.8; 22-MAY-2010 12:21:10; Bright; 36.5; 180; 27Gam Boo ; 3.04; 8000;occ; 73; 0;43006  
 6; 3052.7; 22-MAY-2010 12:29:22; Bright; 41.0; 119; 14Eta Dra ; 2.73; 4700;occ; 82; 0;43006  
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 9; 4009.4; 22-MAY-2010 12:45:19; Bright; 55.0; 68; 18Alp Cas ; 2.22; 4500;occ; 110; 0;43006  
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13; 5914.8; 22-MAY-2010 13:17:04; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;43006
14; 6003.3; 22-MAY-2010 13:18:32; Dark ; 48.5; 63; Bet Gru ; 2.15; 2800;occ; 97; 0;43006
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16; 6426.9; 22-MAY-2010 13:25:36; Dark ; 41.5; 45; Alp Pav ; 1.94; 26000;occ; 83; 0;43007
17; 6838.3; 22-MAY-2010 13:32:27; Dark ; 43.5; 141; Bet Ara ; 2.84; 4600;occ; 87; 0;43007
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 3; 1842.1; 22-MAY-2010 13:49:47; Bright; 44.5; 120; 1Del Oph ; 2.73; 3200;occ; 89; 0;43007
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17; 6850.8; 24-MAY-2010 12:29:26; Dark ; 48.0; 141; Bet Ara ; 2.84; 4600;occ; 96; 0;43035
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 17; 7018.8; 24-MAY-2010 14:12:50; Dark ; 50.0; 40; The Sco ; 1.86; 7100;occ; 100; 0;43036  
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 7; 3171.4; 24-MAY-2010 14:49:18; Bright; 37.0; 60; 7Bet UMi ; 2.08; 3950;occ; 74; 0;43036  
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 9; 4008.2; 24-MAY-2010 15:03:15; Bright; 43.5; 68; 18Alp Cas ; 2.22; 4500;occ; 87; 0;43036  
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 18; 6851.5; 24-MAY-2010 15:50:38; Dark ; 43.0; 141; Bet Ara ; 2.84; 4600;occ; 86; 0;43037  
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 6; 1735.5; 24-MAY-2010 17:46:34; Bright; 38.5; 104; 27Bet Lib ; 2.61; 13100;occ; 77; 0;43038  
 7; 1839.1; 24-MAY-2010 17:48:18; Bright; 43.5; 120; 1Del Oph ; 2.73; 3200;occ; 87; 0;43038  
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 9; 2369.4; 24-MAY-2010 17:57:08; Bright; 40.0; 83; ; 2.38; 11000;occ; 80; 0;43038  
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 12; 3935.9; 24-MAY-2010 18:23:15; Bright; 54.0; 76; 27Gam Cas ; 2.30; 30000;occ; 108; 0;43038  
 13; 4007.9; 24-MAY-2010 18:24:27; Bright; 53.0; 68; 18Alp Cas ; 2.22; 4500;occ; 106; 0;43038  
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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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12; 3936.0; 24-MAY-2010 20:03:51; Bright; 42.0; 76; 27Gam Cas ; 2.30; 30000;occ; 84; 0;43039
13; 4007.8; 24-MAY-2010 20:05:03; Bright; 35.5; 68; 18Alp Cas ; 2.22; 4500;occ; 71; 0;43039
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 3; 820.4; 25-MAY-2010 10:17:18; Dark ; 41.5; 141; Bet Ara ; 2.84; 4600;occ; 83; 0;43048
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 6; 1218.3; 25-MAY-2010 10:23:56; Dark ; 47.5; 75; 26Eps Sco ; 2.29; 4250;occ; 95; 0;43048
 7; 1387.0; 25-MAY-2010 10:26:45; Dark ; 57.0; 16; 21Alp Sco ; 1.02; 3000;occ; 114; 0;43048

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5; 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
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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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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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3; 1220.3; 25-MAY-2010 18:46:58; Dark ; 46.5; 75; 26Eps Sco ; 2.29; 4250;occ; 93; 0;43053  
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6; 1737.1; 25-MAY-2010 18:55:35; Bright; 37.5; 104; 27Bet Lib ; 2.61; 13100;occ; 75; 0;43053

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12; 3935.5; 25-MAY-2010 19:32:13; Bright; 54.0; 76; 27Gam Cas ; 2.30; 30000;occ; 108; 0;43053
13; 4007.0; 25-MAY-2010 19:33:25; Bright; 36.0; 68; 18Alp Cas ; 2.22; 4500;occ; 72; 0;43053
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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
17; 3169.6; 26-MAY-2010 02:01:51; Bright; 34.5; 60; 7Bet UMi ; 2.08; 3950;occ; 69; 0;43057
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22; 4812.8; 26-MAY-2010 02:29:14; Dark ; 44.5; 140; 88Gam Peg ; 2.83; 26000;occ; 89; 0;43057
23; 5344.0; 26-MAY-2010 02:38:05; Dark ; 44.0; 52; 16Bet Cet ; 2.04; 4500;occ; 88; 0;43057
24; 5870.7; 26-MAY-2010 02:46:52; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;43057
25; 6041.5; 26-MAY-2010 02:49:43; Dark ; 49.5; 63; Bet Gru ; 2.15; 2800;occ; 99; 0;43057
26; 6145.7; 26-MAY-2010 02:51:27; Dark ; 43.0; 31; Alp Gru ; 1.73; 15200;occ; 86; 0;43058
27; 6462.9; 26-MAY-2010 02:56:44; Dark ; 42.5; 45; Alp Pav ; 1.94; 26000;occ; 85; 0;43058
28; 6860.4; 26-MAY-2010 03:03:22; Dark ; 46.0; 141; Bet Ara ; 2.84; 4600;occ; 92; 0;43058
29; 7030.3; 26-MAY-2010 03:06:12; Dark ; 46.5; 40; The Sco ; 1.86; 7100;occ; 93; 0;43058
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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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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 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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 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  
 15; 1105.0; 26-MAY-2010 04:48:38; Dark ; 50.0; 25; 35Lam Sco ; 1.62; 28000;occ; 100; 0;43059  
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 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
11; 826.2; 26-MAY-2010 08:05:11; Dark ; 42.5; 141; Bet Ara ; 2.84; 4600;occ; 85; 0;43061
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15; 1351.3; 26-MAY-2010 08:13:56; Dark ; 45.5; 136; 23Tau Sco ; 2.82; 30000;occ; 91; 0;43061
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3; 2383.4; 26-MAY-2010 08:31:08; Bright; 39.5; 67; 5Alp CrB ; 2.22; 11000;occ; 79; 0;43061
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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
20; 7387.4; 26-MAY-2010 11:35:08; Dark ; 43.5; 136; 23Tau Sco ; 2.82; 30000;occ; 87; 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  
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 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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 13; 1836.3; 26-MAY-2010 21:46:49; Bright; 42.5; 120; 1Del Oph ; 2.73; 3200;occ; 85; 0;43069  
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4; 1371.2; 31-MAY-2010 19:00:59; Dark ; 48.5; 136; 23Tau Sco ; 2.82; 30000;occ; 97; 0;43139
5; 1496.3; 31-MAY-2010 19:03:04; Bright; 44.5; 80; 7Del Sco ; 2.32; 30000;occ; 89; 0;43139
6; 1590.2; 31-MAY-2010 19:04:38; Bright; 47.5; 86; 35Eta Oph ; 2.43; 10200;occ; 95; 0;43139
7; 1702.4; 31-MAY-2010 19:06:30; Bright; 41.5; 98; 13Zet Oph ; 2.57; 30000;occ; 83; 0;43139
8; 1833.9; 31-MAY-2010 19:08:42; Bright; 40.0; 120; 1Del Oph ; 2.73; 3200;occ; 80; 0;43139
9; 2014.8; 31-MAY-2010 19:11:43; Bright; 37.0; 102; 24Alp Ser ; 2.60; 4250;occ; 74; 0;43139
10; 2369.7; 31-MAY-2010 19:17:37; Bright; 38.5; 67; 5Alp CrB ; 2.22; 11000;occ; 77; 0;43139
11; 2531.8; 31-MAY-2010 19:20:19; Bright; 46.0; 133; 40Zet Her ; 2.81; 6000;occ; 92; 0;43139
12; 3006.4; 31-MAY-2010 19:28:14; Bright; 39.5; 119; 14Eta Dra ; 2.73; 4700;occ; 79; 0;43139
13; 3632.5; 31-MAY-2010 19:38:40; Bright; 48.5; 89; 5Alp Cep ; 2.45; 8000;occ; 97; 0;43139
14; 3929.5; 31-MAY-2010 19:43:37; Bright; 55.0; 76; 27Gam Cas ; 2.30; 30000;occ; 110; 0;43139
15; 4393.3; 31-MAY-2010 19:51:21; Bright; 45.5; 53; 43Bet And ; 2.05; 3300;occ; 91; 0;43139
16; 4554.3; 31-MAY-2010 19:54:02; Dark ; 54.0; 58; 21Alp And ; 2.07; 11000;occ; 108; 0;43139

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17; 4849.1; 31-MAY-2010 19:58:57; Dark ; 53.0; 140; 88Gam Peg ; 2.83; 26000;occ; 106; 0;43139  
18; 5276.2; 31-MAY-2010 20:06:04; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;43139  
19; 5388.5; 31-MAY-2010 20:07:56; Dark ; 49.0; 52; 16Bet Cet ; 2.04; 4500;occ; 98; 0;43139  
20; 5906.6; 31-MAY-2010 20:16:34; Dark ; 68.0; 18; 24Alp PsA ; 1.17; 9700;occ; 136; 0;43139  
21; 6108.1; 31-MAY-2010 20:19:56; Dark ; 54.0; 63; Bet Gru ; 2.15; 2800;occ; 108; 0;43140  
22; 6220.0; 31-MAY-2010 20:21:48; Dark ; 46.0; 31; Alp Gru ; 1.73; 15200;occ; 92; 0;43140  
23; 6520.3; 31-MAY-2010 20:26:48; Dark ; 46.5; 45; Alp Pav ; 1.94; 26000;occ; 93; 0;43140  
24; 6968.5; 31-MAY-2010 20:34:16; Dark ; 39.5; 147; Alp Ara ; 2.88; 26000;occ; 79; 0;43140  
25; 7069.9; 31-MAY-2010 20:35:58; Dark ; 46.5; 40; The Sco ; 1.86; 7100;occ; 93; 0;43140  
/nas3/ENVISAT/GOMOS/GOM\_NL\_\_0P/GOM\_NL\_\_0PNPDK20100531\_214641\_000012862089\_00501\_43140\_1537.N1  
1; -758.9; 31-MAY-2010 21:46:41; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;43140  
2; -646.8; 31-MAY-2010 21:48:33; Dark ; 47.0; 52; 16Bet Cet ; 2.04; 4500;occ; 94; 0;43140  
3; -128.1; 31-MAY-2010 21:57:11; Dark ; 60.5; 18; 24Alp PsA ; 1.17; 9700;occ; 121; 0;43140  
4; 72.8; 31-MAY-2010 22:00:32; Dark ; 58.0; 63; Bet Gru ; 2.15; 2800;occ; 116; 0;43141  
5; 185.0; 31-MAY-2010 22:02:25; Dark ; 48.5; 31; Alp Gru ; 1.73; 15200;occ; 97; 0;43141  
6; 484.7; 31-MAY-2010 22:07:24; Dark ; 42.5; 45; Alp Pav ; 1.94; 26000;occ; 85; 0;43141