

GOMOS Daily Report 26-MAY-2010

Level 0 and Level 1 products

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

| Item | Value |
|---------------------------|--------------------|
| Time of report generation | 28MAY2010 04:36:12 |
| Data source version | GOMOS/5.00L04 |
| Start time of products | 26MAY2010 00:02:06 |
| Stop time of products | 26MAY2010 23:49:37 |
| Store outputs in DB | Yes |
| Nb of level 1b prods | 137 |
| Nb of prods with errors | 1 |

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

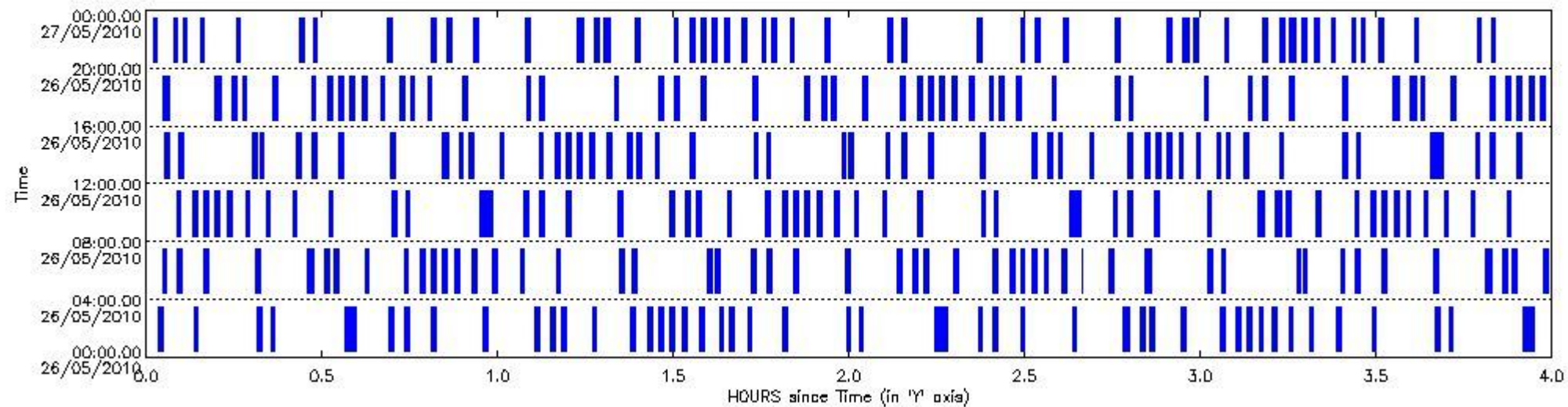
2.1 Level 0 products arrived in PCF (see template [here](#))

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

Red segments are missing products.

Blue segments are available products.

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



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

No missing products.

2.4 Summary of processed GOM_TRA_1P products

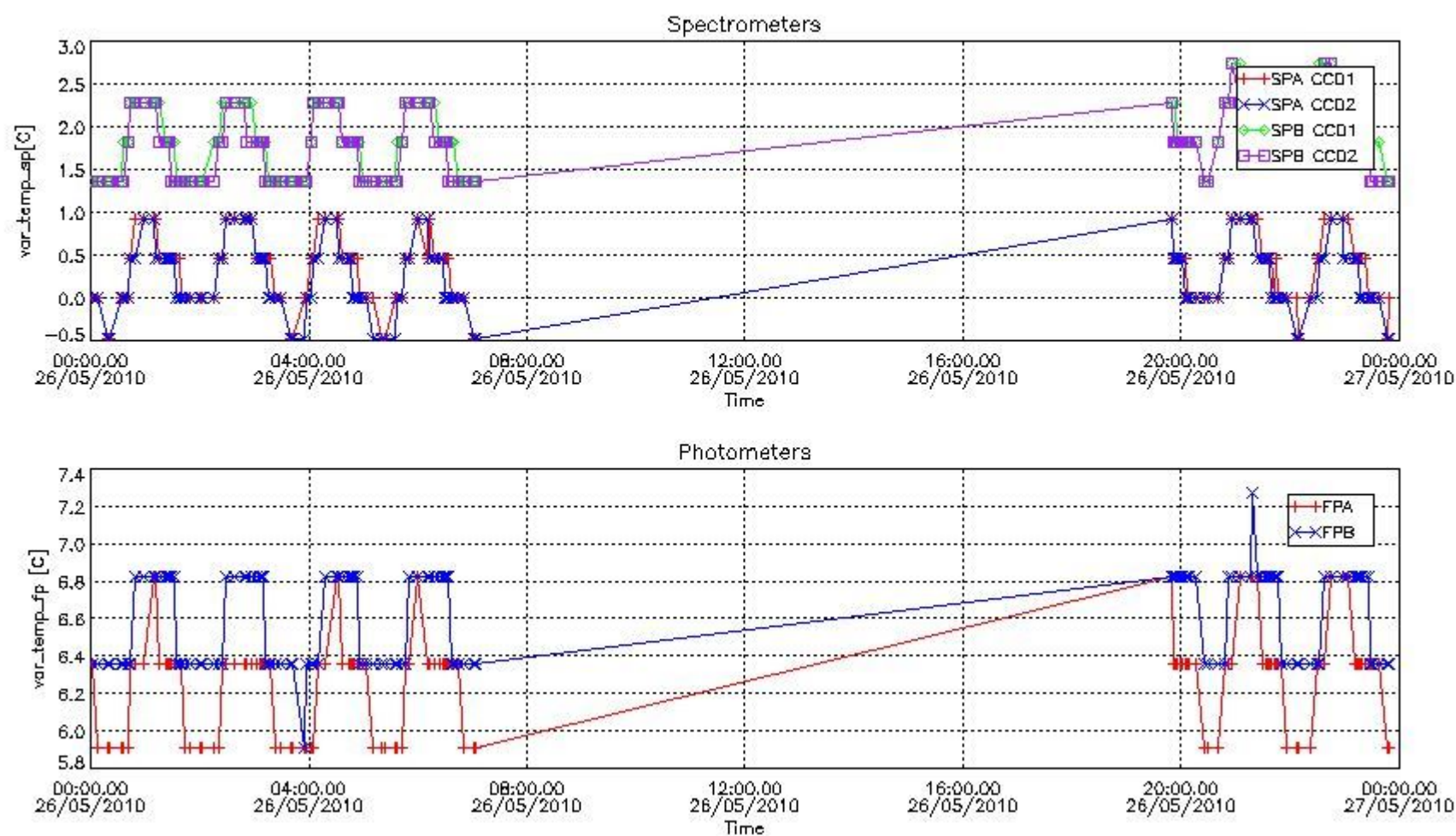
| Nr | Filename | UTC Start time | Limb | Duration | Star Id | Star Name | Star Mag | Star Temp | Nb Meas | Orbit | Prod. error |
|----|--|----------------------|----------------|----------|---------|-----------|----------|-----------|---------|-------|-------------|
| 1 | GOM_TRA_1PNPDE20100526_000206_000000402089_00417_43056_4051.N1 | 26-MAY-2010 00:02:06 | Bright | 39.500 | 102 | 24Alp Ser | 2.6000 | 4250.0 | 79 | 43056 | No |
| 2 | GOM_TRA_1PNPDE20100526_000810_000000382089_00417_43056_4052.N1 | 26-MAY-2010 00:08:10 | Bright | 38.000 | 67 | 5Alp CrB | 2.2210 | 11000. | 76 | 43056 | No |
| 3 | GOM_TRA_1PNPDE20100526_001859_000000372089_00417_43056_4053.N1 | 26-MAY-2010 00:18:59 | Bright | 36.500 | 119 | 14Eta Dra | 2.7270 | 4700.0 | 73 | 43056 | No |
| 4 | GOM_TRA_1PNPDE20100526_002115_000000382089_00417_43056_4054.N1 | 26-MAY-2010 00:21:15 | Bright | 37.500 | 60 | 7Bet UMi | 2.0810 | 3950.0 | 75 | 43056 | No |
| 5 | GOM_TRA_1PNPDE20100526_003401_000000542089_00417_43056_4055.N1 | 26-MAY-2010 00:34:01 | Bright | 54.000 | 76 | 27Gam Cas | 2.3000 | 30000. | 108 | 43056 | No |
| 6 | GOM_TRA_1PNPDE20100526_003512_000000392089_00417_43056_4056.N1 | 26-MAY-2010 00:35:12 | Bright | 38.500 | 68 | 18Alp Cas | 2.2250 | 4500.0 | 77 | 43056 | No |
| 7 | GOM_TRA_1PNPDE20100526_004130_000000402089_00417_43056_4057.N1 | 26-MAY-2010 00:41:30 | Bright | 39.500 | 53 | 43Bet And | 2.0480 | 3300.0 | 79 | 43056 | No |
| 8 | GOM_TRA_1PNPDE20100526_004404_000000492089_00417_43056_4058.N1 | 26-MAY-2010 00:44:04 | Twilight_stray | 49.000 | 58 | 21Alp And | 2.0730 | 11000. | 98 | 43056 | No |
| 9 | GOM_TRA_1PNPDE20100526_004837_000000452089_00417_43056_4059.N1 | 26-MAY-2010 00:48:37 | Dark | 44.500 | 140 | 88Gam Peg | 2.8340 | 26000. | 89 | 43056 | No |
| 10 | GOM_TRA_1PNPDE20100526_005729_000000442089_00417_43056_4072.N1 | 26-MAY-2010 00:57:29 | Dark | 43.500 | 52 | 16Bet Cet | 2.0370 | 4500.0 | 87 | 43056 | No |
| 11 | GOM_TRA_1PNPDE20100526_010906_000000442089_00417_43056_4073.N1 | 26-MAY-2010 01:09:06 | Dark | 43.500 | 63 | Bet Gru | 2.1500 | 2800.0 | 87 | 43056 | No |
| 12 | GOM_TRA_1PNPDE20100526_011050_000000432089_00418_43057_4074.N1 | 26-MAY-2010 01:10:50 | Dark | 43.000 | 31 | Alp Gru | 1.7340 | 15200. | 86 | 43057 | No |

| | | | | | | | | | | | |
|----|--|----------------------|----------------|--------|-----|-----------|--------|--------|-----|-------|----|
| 13 | GOM_TRA_1PNPDE20100526_011608_000000422089_00418_43057_4075.N1 | 26-MAY-2010 01:16:08 | Dark | 41.500 | 45 | Alp Pav | 1.9400 | 26000. | 83 | 43057 | No |
| 14 | GOM_TRA_1PNPDE20100526_012246_000000452089_00418_43057_4076.N1 | 26-MAY-2010 01:22:46 | Straylight | 44.500 | 141 | Bet Ara | 2.8400 | 4600.0 | 89 | 43057 | No |
| 15 | GOM_TRA_1PNPDE20100526_012535_000000492089_00418_43057_4077.N1 | 26-MAY-2010 01:25:35 | Straylight | 48.500 | 40 | The Sco | 1.8590 | 7100.0 | 97 | 43057 | No |
| 16 | GOM_TRA_1PNPDE20100526_012725_000000492089_00418_43057_4078.N1 | 26-MAY-2010 01:27:25 | Straylight | 49.000 | 25 | 35Lam Sco | 1.6200 | 28000. | 98 | 43057 | No |
| 17 | GOM_TRA_1PNPDE20100526_012923_000000502089_00418_43057_4079.N1 | 26-MAY-2010 01:29:23 | Tw_i_and_stray | 49.500 | 75 | 26Eps Sco | 2.2910 | 4250.0 | 99 | 43057 | No |
| 18 | GOM_TRA_1PNPDE20100526_013131_000000452089_00418_43057_4080.N1 | 26-MAY-2010 01:31:31 | Tw_i_and_stray | 44.500 | 136 | 23Tau Sco | 2.8220 | 30000. | 89 | 43057 | No |
| 19 | GOM_TRA_1PNPDE20100526_013431_000000402089_00418_43057_4081.N1 | 26-MAY-2010 01:34:31 | Bright | 39.500 | 97 | 8Bet1Sco | 2.5610 | 30000. | 79 | 43057 | No |
| 20 | GOM_TRA_1PNPDE20100526_013759_000000372089_00418_43057_4082.N1 | 26-MAY-2010 01:37:59 | Bright | 37.000 | 104 | 27Bet Lib | 2.6140 | 13100. | 74 | 43057 | No |
| 21 | GOM_TRA_1PNPDE20100526_013939_000000432089_00418_43057_4083.N1 | 26-MAY-2010 01:39:39 | Bright | 43.000 | 120 | 1Del Oph | 2.7340 | 3200.0 | 86 | 43057 | No |
| 22 | GOM_TRA_1PNPDE20100526_014242_000000392089_00418_43057_4084.N1 | 26-MAY-2010 01:42:42 | Bright | 39.000 | 102 | 24Alp Ser | 2.6000 | 4250.0 | 78 | 43057 | No |
| 23 | GOM_TRA_1PNPDE20100526_014846_000000392089_00418_43057_4085.N1 | 26-MAY-2010 01:48:46 | Bright | 39.000 | 67 | 5Alp CrB | 2.2210 | 11000. | 78 | 43057 | No |
| 24 | GOM_TRA_1PNPDE20100526_015935_000000402089_00418_43057_4086.N1 | 26-MAY-2010 01:59:35 | Bright | 40.000 | 119 | 14Eta Dra | 2.7270 | 4700.0 | 80 | 43057 | No |
| 25 | GOM_TRA_1PNPDE20100526_020151_000000352089_00418_43057_4087.N1 | 26-MAY-2010 02:01:51 | Bright | 34.500 | 60 | 7Bet UMi | 2.0810 | 3950.0 | 69 | 43057 | No |
| 26 | GOM_TRA_1PNPDE20100526_021436_000000542089_00418_43057_4088.N1 | 26-MAY-2010 02:14:36 | Bright | 54.000 | 76 | 27Gam Cas | 2.3000 | 30000. | 108 | 43057 | No |
| 27 | GOM_TRA_1PNPDE20100526_021548_000000552089_00418_43057_4089.N1 | 26-MAY-2010 02:15:48 | Bright | 54.500 | 68 | 18Alp Cas | 2.2250 | 4500.0 | 109 | 43057 | No |
| 28 | GOM_TRA_1PNPDE20100526_022206_000000402089_00418_43057_4090.N1 | 26-MAY-2010 02:22:06 | Bright | 39.500 | 53 | 43Bet And | 2.0480 | 3300.0 | 79 | 43057 | No |
| 29 | GOM_TRA_1PNPDE20100526_022440_000000482089_00418_43057_4091.N1 | 26-MAY-2010 02:24:40 | Tw_i_and_stray | 47.500 | 58 | 21Alp And | 2.0730 | 11000. | 95 | 43057 | No |
| 30 | GOM_TRA_1PNPDE20100526_022914_000000452089_00418_43057_4092.N1 | 26-MAY-2010 02:29:14 | Dark | 44.500 | 140 | 88Gam Peg | 2.8340 | 26000. | 89 | 43057 | No |
| 31 | GOM_TRA_1PNPDE20100526_023805_000000442089_00418_43057_4093.N1 | 26-MAY-2010 02:38:05 | Dark | 44.000 | 52 | 16Bet Cet | 2.0370 | 4500.0 | 88 | 43057 | No |
| 32 | GOM_TRA_1PNPDE20100526_024943_000000502089_00418_43057_4094.N1 | 26-MAY-2010 02:49:43 | Dark | 49.500 | 63 | Bet Gru | 2.1500 | 2800.0 | 99 | 43057 | No |
| 33 | GOM_TRA_1PNPDE20100526_025127_000000432089_00419_43058_4095.N1 | 26-MAY-2010 02:51:27 | Dark | 43.000 | 31 | Alp Gru | 1.7340 | 15200. | 86 | 43058 | No |
| 34 | GOM_TRA_1PNPDE20100526_025644_000000432089_00419_43058_4096.N1 | 26-MAY-2010 02:56:44 | Dark | 42.500 | 45 | Alp Pav | 1.9400 | 26000. | 85 | 43058 | No |
| 35 | GOM_TRA_1PNPDE20100526_030322_000000462089_00419_43058_4097.N1 | 26-MAY-2010 03:03:22 | Straylight | 46.000 | 141 | Bet Ara | 2.8400 | 4600.0 | 92 | 43058 | No |
| 36 | GOM_TRA_1PNPDE20100526_030612_000000472089_00419_43058_4098.N1 | 26-MAY-2010 03:06:12 | Straylight | 46.500 | 40 | The Sco | 1.8590 | 7100.0 | 93 | 43058 | No |
| 37 | GOM_TRA_1PNPDE20100526_030802_000000482089_00419_43058_4099.N1 | 26-MAY-2010 03:08:02 | Straylight | 48.000 | 25 | 35Lam Sco | 1.6200 | 28000. | 96 | 43058 | No |
| 38 | GOM_TRA_1PNPDE20100526_030959_000000462089_00419_43058_4100.N1 | 26-MAY-2010 03:09:59 | Tw_i_and_stray | 46.000 | 75 | 26Eps Sco | 2.2910 | 4250.0 | 92 | 43058 | No |
| 39 | GOM_TRA_1PNPDE20100526_031207_000000482089_00419_43058_4101.N1 | 26-MAY-2010 03:12:07 | Tw_i_and_stray | 48.000 | 136 | 23Tau Sco | 2.8220 | 30000. | 96 | 43058 | No |
| 40 | GOM_TRA_1PNPDE20100526_031507_000000412089_00419_43058_4102.N1 | 26-MAY-2010 03:15:07 | Bright | 40.500 | 97 | 8Bet1Sco | 2.5610 | 30000. | 81 | 43058 | No |
| 41 | GOM_TRA_1PNPDE20100526_031835_000000382089_00419_43058_4103.N1 | 26-MAY-2010 03:18:35 | Bright | 37.500 | 104 | 27Bet Lib | 2.6140 | 13100. | 75 | 43058 | No |
| 42 | GOM_TRA_1PNPDE20100526_032317_000000402089_00419_43058_4104.N1 | 26-MAY-2010 03:23:17 | Bright | 39.500 | 102 | 24Alp Ser | 2.6000 | 4250.0 | 79 | 43058 | No |
| 43 | GOM_TRA_1PNPDE20100526_032921_000000412089_00419_43058_4105.N1 | 26-MAY-2010 03:29:21 | Bright | 41.000 | 67 | 5Alp CrB | 2.2210 | 11000. | 82 | 43058 | No |
| 44 | GOM_TRA_1PNPDE20100526_034010_000000412089_00419_43058_4104.N1 | 26-MAY-2010 03:40:10 | Bright | 41.000 | 119 | 14Eta Dra | 2.7270 | 4700.0 | 82 | 43058 | No |
| 45 | GOM_TRA_1PNPDE20100526_034227_000000362089_00419_43058_4105.N1 | 26-MAY-2010 03:42:27 | Bright | 35.500 | 60 | 7Bet UMi | 2.0810 | 3950.0 | 71 | 43058 | No |
| 46 | GOM_TRA_1PNPDE20100526_035513_000000542089_00419_43058_4106.N1 | 26-MAY-2010 03:55:13 | Bright | 54.000 | 76 | 27Gam Cas | 2.3000 | 30000. | 108 | 43058 | No |
| 47 | GOM_TRA_1PNPDE20100526_035624_000000392089_00419_43058_4107.N1 | 26-MAY-2010 03:56:24 | Bright | 38.500 | 68 | 18Alp Cas | 2.2250 | 4500.0 | 77 | 43058 | No |
| 48 | GOM_TRA_1PNPDE20100526_040242_000000402089_00419_43058_4108.N1 | 26-MAY-2010 04:02:42 | Bright | 40.000 | 53 | 43Bet And | 2.0480 | 3300.0 | 80 | 43058 | No |
| 49 | GOM_TRA_1PNPDE20100526_040516_000000532089_00419_43058_4109.N1 | 26-MAY-2010 04:05:16 | Tw_i_and_stray | 52.500 | 58 | 21Alp And | 2.0730 | 11000. | 105 | 43058 | No |
| 50 | GOM_TRA_1PNPDE20100526_040950_000000472089_00419_43058_4110.N1 | 26-MAY-2010 04:09:50 | Dark | 46.500 | 140 | 88Gam Peg | 2.8340 | 26000. | 93 | 43058 | No |
| 51 | GOM_TRA_1PNPDE20100526_041842_000000452089_00419_43058_4111.N1 | 26-MAY-2010 04:18:42 | Dark | 45.000 | 52 | 16Bet Cet | 2.0370 | 4500.0 | 90 | 43058 | No |
| 52 | GOM_TRA_1PNPDE20100526_043020_000000562089_00419_43058_4112.N1 | 26-MAY-2010 04:30:20 | Dark | 55.500 | 63 | Bet Gru | 2.1500 | 2800.0 | 111 | 43058 | No |
| 53 | GOM_TRA_1PNPDE20100526_043204_000000432089_00420_43059_4113.N1 | 26-MAY-2010 04:32:04 | Dark | 43.000 | 31 | Alp Gru | 1.7340 | 15200. | 86 | 43059 | No |
| 54 | GOM_TRA_1PNPDE20100526_043721_000000422089_00420_43059_4114.N1 | 26-MAY-2010 04:37:21 | Dark | 42.000 | 45 | Alp Pav | 1.9400 | 26000. | 84 | 43059 | No |
| 55 | GOM_TRA_1PNPDE20100526_044359_000000452089_00420_43059_4115.N1 | 26-MAY-2010 04:43:59 | Straylight | 45.000 | 141 | Bet Ara | 2.8400 | 4600.0 | 90 | 43059 | No |
| 56 | GOM_TRA_1PNPDE20100526_044648_000000502089_00420_43059_4116.N1 | 26-MAY-2010 04:46:48 | Straylight | 49.500 | 40 | The Sco | 1.8590 | 7100.0 | 99 | 43059 | No |
| 57 | GOM_TRA_1PNPDE20100526_044838_000000502089_00420_43059_4117.N1 | 26-MAY-2010 04:48:38 | Straylight | 50.000 | 25 | 35Lam Sco | 1.6200 | 28000. | 100 | 43059 | No |
| 58 | GOM_TRA_1PNPDE20100526_045036_000000482089_00420_43059_4118.N1 | 26-MAY-2010 04:50:36 | Tw_i_and_stray | 47.500 | 75 | 26Eps Sco | 2.2910 | 4250.0 | 95 | 43059 | No |
| 59 | GOM_TRA_1PNPDE20100526_045244_000000442089_00420_43059_4119.N1 | 26-MAY-2010 04:52:44 | Tw_i_and_stray | 44.000 | 136 | 23Tau Sco | 2.8220 | 30000. | 88 | 43059 | No |
| 60 | GOM_TRA_1PNPDE20100526_045544_000000422089_00420_43059_4120.N1 | 26-MAY-2010 04:55:44 | Bright | 42.000 | 97 | 8Bet1Sco | 2.5610 | 30000. | 84 | 43059 | No |
| 61 | GOM_TRA_1PNPDE20100526_045911_000000392089_00420_43059_4121.N1 | 26-MAY-2010 04:59:11 | Bright | 39.000 | 104 | 27Bet Lib | 2.6140 | 13100. | 78 | 43059 | No |
| 62 | GOM_TRA_1PNPDE20100526_050353_000000392089_00420_43059_4122.N1 | 26-MAY-2010 05:03:53 | Bright | 39.000 | 102 | 24Alp Ser | 2.6000 | 4250.0 | 78 | 43059 | No |
| 63 | GOM_TRA_1PNPDE20100526_050957_000000402089_00420_43059_4123.N1 | 26-MAY-2010 05:09:57 | Bright | 39.500 | 67 | 5Alp CrB | 2.2210 | 11000. | 79 | 43059 | No |
| 64 | GOM_TRA_1PNPDE20100526_052046_000000422089_00420_43059_4124.N1 | 26-MAY-2010 05:20:46 | Bright | 42.000 | 119 | 14Eta Dra | 2.7270 | 4700.0 | 84 | 43059 | No |
| 65 | GOM_TRA_1PNPDE20100526_052303_000000392089_00420_43059_4125.N1 | 26-MAY-2010 05:23:03 | Bright | 38.500 | 60 | 7Bet UMi | 2.0810 | 3950.0 | 77 | 43059 | No |
| 66 | GOM_TRA_1PNPDE20100526_053548_000000542089_00420_43059_4131.N1 | 26-MAY-2010 05:35:48 | Bright | 54.000 | 76 | 27Gam Cas | 2.3000 | 30000. | 108 | 43059 | No |
| 67 | GOM_TRA_1PNPDE20100526_053700_000000552089_00420_43059_4132.N1 | 26-MAY-2010 05:37:00 | Bright | 55.000 | 68 | 18Alp Cas | 2.2250 | 4500.0 | 110 | 43059 | No |
| 68 | GOM_TRA_1PNPDE20100526_054318_000000402089_00420_43059_4133.N1 | 26-MAY-2010 05:43:18 | Bright | 40.000 | 53 | 43Bet And | 2.0480 | 3300.0 | 80 | 43059 | No |
| 69 | GOM_TRA_1PNPDE20100526_054552_000000522089_00420_43059_4134.N1 | 26-MAY-2010 05:45:52 | Tw_i_and_stray | 51.500 | 58 | 21Alp And | 2.0730 | 11000. | 103 | 43059 | No |
| 70 | GOM_TRA_1PNPDE20100526_055027_000000492089_00420_43059_4135.N1 | 26-MAY-2010 05:50:27 | Dark | 49.000 | 140 | 88Gam Peg | 2.8340 | 26000. | 98 | 43059 | No |
| 71 | GOM_TRA_1PNPDE20100526_055918_000000452089_00420_43059_4136.N1 | 26-MAY-2010 05:59:18 | Dark | 44.500 | 52 | 16Bet Cet | 2.0370 | 4500.0 | 89 | 43059 | No |

| | | | | | | | | | | | |
|-----|--|----------------------|----------------|--------|-----|-----------|--------|--------|-----|-------|-----|
| 72 | GOM_TRA_1PNPDE20100526_061056_000000472089_00420_43059_4137.N1 | 26-MAY-2010 06:10:56 | Dark | 46.500 | 63 | Bet Gru | 2.1500 | 2800.0 | 93 | 43059 | No |
| 73 | GOM_TRA_1PNPDE20100526_061241_000000472089_00421_43060_4138.N1 | 26-MAY-2010 06:12:41 | Dark | 46.500 | 31 | Alp Gru | 1.7340 | 15200. | 93 | 43060 | No |
| 74 | GOM_TRA_1PNPDE20100526_061758_000000432089_00421_43060_4139.N1 | 26-MAY-2010 06:17:58 | Dark | 42.500 | 45 | Alp Pav | 1.9400 | 26000. | 85 | 43060 | No |
| 75 | GOM_TRA_1PNPDE20100526_062435_000000442089_00421_43060_4140.N1 | 26-MAY-2010 06:24:35 | Straylight | 44.000 | 141 | Bet Ara | 2.8400 | 4600.0 | 88 | 43060 | No |
| 76 | GOM_TRA_1PNPDE20100526_062725_000000482089_00421_43060_4141.N1 | 26-MAY-2010 06:27:25 | Straylight | 47.500 | 40 | The Sco | 1.8590 | 7100.0 | 95 | 43060 | No |
| 77 | GOM_TRA_1PNPDE20100526_062915_000000482089_00421_43060_4142.N1 | 26-MAY-2010 06:29:15 | Straylight | 48.000 | 25 | 35Lam Sco | 1.6200 | 28000. | 96 | 43060 | No |
| 78 | GOM_TRA_1PNPDE20100526_063112_000000472089_00421_43060_4143.N1 | 26-MAY-2010 06:31:12 | Tw_i_and_stray | 46.500 | 75 | 26Eps Sco | 2.2910 | 4250.0 | 93 | 43060 | No |
| 79 | GOM_TRA_1PNPDE20100526_063320_000000432089_00421_43060_4144.N1 | 26-MAY-2010 06:33:20 | Tw_i_and_stray | 43.000 | 136 | 23Tau Sco | 2.8220 | 30000. | 86 | 43060 | No |
| 80 | GOM_TRA_1PNPDE20100526_063620_000000412089_00421_43060_4145.N1 | 26-MAY-2010 06:36:20 | Bright | 41.000 | 97 | 8Bet1Sco | 2.5610 | 30000. | 82 | 43060 | No |
| 81 | GOM_TRA_1PNPDE20100526_063946_000000092089_00421_43060_4146.N1 | 26-MAY-2010 06:39:46 | Straylight | 9.0000 | 104 | 27Bet Lib | 2.6140 | 13100. | 18 | 43060 | No |
| 82 | GOM_TRA_1PNPDE20100526_064430_000000392089_00421_43060_4147.N1 | 26-MAY-2010 06:44:30 | Bright | 38.500 | 102 | 24Alp Ser | 2.6000 | 4250.0 | 77 | 43060 | No |
| 83 | GOM_TRA_1PNPDE20100526_065033_000000572089_00421_43060_4148.N1 | 26-MAY-2010 06:50:33 | Bright | 57.000 | 67 | 5Alp CrB | 2.2210 | 11000. | 114 | 43060 | No |
| 84 | GOM_TRA_1PNPDE20100526_070122_000000412089_00421_43060_4149.N1 | 26-MAY-2010 07:01:22 | Bright | 41.000 | 119 | 14Eta Dra | 2.7270 | 4700.0 | 82 | 43060 | No |
| 85 | GOM_TRA_1PNPDE20100526_070339_000000372089_00421_43060_4150.N1 | 26-MAY-2010 07:03:39 | Bright | 37.000 | 60 | 7Bet UMi | 2.0810 | 3950.0 | 74 | 43060 | No |
| 86 | GOM_TRA_1PNPDE20100526_194926_000000502089_00429_43068_4322.N1 | 26-MAY-2010 19:49:26 | Straylight | 50.000 | 141 | Bet Ara | 2.8400 | 4600.0 | 100 | 43068 | Yes |
| 87 | GOM_TRA_1PNPDE20100526_195216_000000492089_00429_43068_4323.N1 | 26-MAY-2010 19:52:16 | Straylight | 49.000 | 40 | The Sco | 1.8590 | 7100.0 | 98 | 43068 | No |
| 88 | GOM_TRA_1PNPDE20100526_195406_000000512089_00429_43068_4324.N1 | 26-MAY-2010 19:54:06 | Straylight | 51.000 | 25 | 35Lam Sco | 1.6200 | 28000. | 102 | 43068 | No |
| 89 | GOM_TRA_1PNPDE20100526_195602_000000522089_00429_43068_4325.N1 | 26-MAY-2010 19:56:02 | Tw_i_and_stray | 52.000 | 75 | 26Eps Sco | 2.2910 | 4250.0 | 104 | 43068 | No |
| 90 | GOM_TRA_1PNPDE20100526_195809_000000442089_00429_43068_4326.N1 | 26-MAY-2010 19:58:09 | Tw_i_and_stray | 44.000 | 136 | 23Tau Sco | 2.8220 | 30000. | 88 | 43068 | No |
| 91 | GOM_TRA_1PNPDE20100526_200108_000000422089_00429_43068_4327.N1 | 26-MAY-2010 20:01:08 | Bright | 41.500 | 97 | 8Bet1Sco | 2.5610 | 30000. | 83 | 43068 | No |
| 92 | GOM_TRA_1PNPDE20100526_200435_000000402089_00429_43068_4328.N1 | 26-MAY-2010 20:04:35 | Bright | 40.000 | 104 | 27Bet Lib | 2.6140 | 13100. | 80 | 43068 | No |
| 93 | GOM_TRA_1PNPDE20100526_200613_000000432089_00429_43068_4329.N1 | 26-MAY-2010 20:06:13 | Bright | 42.500 | 120 | 1Del Oph | 2.7340 | 3200.0 | 85 | 43068 | No |
| 94 | GOM_TRA_1PNPDE20100526_200916_000000402089_00429_43068_4330.N1 | 26-MAY-2010 20:09:16 | Bright | 40.000 | 102 | 24Alp Ser | 2.6000 | 4250.0 | 80 | 43068 | No |
| 95 | GOM_TRA_1PNPDE20100526_201518_000000412089_00429_43068_4331.N1 | 26-MAY-2010 20:15:18 | Bright | 40.500 | 67 | 5Alp CrB | 2.2210 | 11000. | 81 | 43068 | No |
| 96 | GOM_TRA_1PNPDE20100526_202606_000000442089_00429_43068_4332.N1 | 26-MAY-2010 20:26:06 | Bright | 43.500 | 119 | 14Eta Dra | 2.7270 | 4700.0 | 87 | 43068 | No |
| 97 | GOM_TRA_1PNPDE20100526_202826_000000372089_00429_43068_4333.N1 | 26-MAY-2010 20:28:26 | Bright | 36.500 | 60 | 7Bet UMi | 2.0810 | 3950.0 | 73 | 43068 | No |
| 98 | GOM_TRA_1PNPDE20100526_204111_000000382089_00429_43068_4334.N1 | 26-MAY-2010 20:41:11 | Bright | 38.000 | 76 | 27Gam Cas | 2.3000 | 30000. | 76 | 43068 | No |
| 99 | GOM_TRA_1PNPDE20100526_204842_000000412089_00429_43068_4335.N1 | 26-MAY-2010 20:48:42 | Bright | 40.500 | 53 | 43Bet And | 2.0480 | 3300.0 | 81 | 43068 | No |
| 100 | GOM_TRA_1PNPDE20100526_205117_000000502089_00429_43068_4336.N1 | 26-MAY-2010 20:51:17 | Tw_i_and_stray | 49.500 | 58 | 21Alp And | 2.0730 | 11000. | 99 | 43068 | No |
| 101 | GOM_TRA_1PNPDE20100526_205554_000000492089_00429_43068_4337.N1 | 26-MAY-2010 20:55:54 | Dark | 48.500 | 140 | 88Gam Peg | 2.8340 | 26000. | 97 | 43068 | No |
| 102 | GOM_TRA_1PNPDE20100526_210446_000000472089_00429_43068_4337.N1 | 26-MAY-2010 21:04:46 | Dark | 46.500 | 52 | 16Bet Cet | 2.0370 | 4500.0 | 93 | 43068 | No |
| 103 | GOM_TRA_1PNPDE20100526_211627_000000572089_00430_43069_4338.N1 | 26-MAY-2010 21:16:27 | Dark | 56.500 | 63 | Bet Gru | 2.1500 | 2800.0 | 113 | 43069 | No |
| 104 | GOM_TRA_1PNPDE20100526_211812_000000522089_00430_43069_4339.N1 | 26-MAY-2010 21:18:12 | Dark | 51.500 | 31 | Alp Gru | 1.7340 | 15200. | 103 | 43069 | No |
| 105 | GOM_TRA_1PNPDE20100526_212327_000000432089_00430_43069_4340.N1 | 26-MAY-2010 21:23:27 | Dark | 43.000 | 45 | Alp Pav | 1.9400 | 26000. | 86 | 43069 | No |
| 106 | GOM_TRA_1PNPDE20100526_213002_000000432089_00430_43069_4341.N1 | 26-MAY-2010 21:30:02 | Straylight | 42.500 | 141 | Bet Ara | 2.8400 | 4600.0 | 85 | 43069 | No |
| 107 | GOM_TRA_1PNPDE20100526_213252_000000482089_00430_43069_4342.N1 | 26-MAY-2010 21:32:52 | Straylight | 48.000 | 40 | The Sco | 1.8590 | 7100.0 | 96 | 43069 | No |
| 108 | GOM_TRA_1PNPDE20100526_213442_000000472089_00430_43069_4343.N1 | 26-MAY-2010 21:34:42 | Straylight | 47.000 | 25 | 35Lam Sco | 1.6200 | 28000. | 94 | 43069 | No |
| 109 | GOM_TRA_1PNPDE20100526_213638_000000482089_00430_43069_4344.N1 | 26-MAY-2010 21:36:38 | Tw_i_and_stray | 47.500 | 75 | 26Eps Sco | 2.2910 | 4250.0 | 95 | 43069 | No |
| 110 | GOM_TRA_1PNPDE20100526_213846_000000472089_00430_43069_4345.N1 | 26-MAY-2010 21:38:46 | Tw_i_and_stray | 46.500 | 136 | 23Tau Sco | 2.8220 | 30000. | 93 | 43069 | No |
| 111 | GOM_TRA_1PNPDE20100526_214145_000000422089_00430_43069_4346.N1 | 26-MAY-2010 21:41:45 | Bright | 41.500 | 97 | 8Bet1Sco | 2.5610 | 30000. | 83 | 43069 | No |
| 112 | GOM_TRA_1PNPDE20100526_214511_000000372089_00430_43069_4347.N1 | 26-MAY-2010 21:45:11 | Bright | 37.000 | 104 | 27Bet Lib | 2.6140 | 13100. | 74 | 43069 | No |
| 113 | GOM_TRA_1PNPDE20100526_214649_000000432089_00430_43069_4348.N1 | 26-MAY-2010 21:46:49 | Bright | 42.500 | 120 | 1Del Oph | 2.7340 | 3200.0 | 85 | 43069 | No |
| 114 | GOM_TRA_1PNPDE20100526_214952_000000392089_00430_43069_4349.N1 | 26-MAY-2010 21:49:52 | Bright | 38.500 | 102 | 24Alp Ser | 2.6000 | 4250.0 | 77 | 43069 | No |
| 115 | GOM_TRA_1PNPDE20100526_215554_000000422089_00430_43069_4350.N1 | 26-MAY-2010 21:55:54 | Bright | 42.000 | 67 | 5Alp CrB | 2.2210 | 11000. | 84 | 43069 | No |
| 116 | GOM_TRA_1PNPDE20100526_220641_000000422089_00430_43069_4351.N1 | 26-MAY-2010 22:06:41 | Bright | 41.500 | 119 | 14Eta Dra | 2.7270 | 4700.0 | 83 | 43069 | No |
| 117 | GOM_TRA_1PNPDE20100526_220902_000000532089_00430_43069_4352.N1 | 26-MAY-2010 22:09:02 | Bright | 53.000 | 60 | 7Bet UMi | 2.0810 | 3950.0 | 106 | 43069 | No |
| 118 | GOM_TRA_1PNPDE20100526_222147_000000542089_00430_43069_4353.N1 | 26-MAY-2010 22:21:47 | Bright | 54.000 | 76 | 27Gam Cas | 2.3000 | 30000. | 108 | 43069 | No |
| 119 | GOM_TRA_1PNPDE20100526_222918_000000412089_00430_43069_4354.N1 | 26-MAY-2010 22:29:18 | Bright | 40.500 | 53 | 43Bet And | 2.0480 | 3300.0 | 81 | 43069 | No |
| 120 | GOM_TRA_1PNPDE20100526_223154_000000482089_00430_43069_4355.N1 | 26-MAY-2010 22:31:54 | Tw_i_and_stray | 47.500 | 58 | 21Alp And | 2.0730 | 11000. | 95 | 43069 | No |
| 121 | GOM_TRA_1PNPDE20100526_223630_000000482089_00430_43069_4356.N1 | 26-MAY-2010 22:36:30 | Dark | 48.000 | 140 | 88Gam Peg | 2.8340 | 26000. | 96 | 43069 | No |
| 122 | GOM_TRA_1PNPDE20100526_224522_000000502089_00430_43069_4360.N1 | 26-MAY-2010 22:45:22 | Dark | 49.500 | 52 | 16Bet Cet | 2.0370 | 4500.0 | 99 | 43069 | No |
| 123 | GOM_TRA_1PNPDE20100526_225703_000000602089_00431_43070_4361.N1 | 26-MAY-2010 22:57:03 | Dark | 60.000 | 63 | Bet Gru | 2.1500 | 2800.0 | 120 | 43070 | No |
| 124 | GOM_TRA_1PNPDE20100526_225849_000000472089_00431_43070_4362.N1 | 26-MAY-2010 22:58:49 | Dark | 46.500 | 31 | Alp Gru | 1.7340 | 15200. | 93 | 43070 | No |
| 125 | GOM_TRA_1PNPDE20100526_230404_000000422089_00431_43070_4363.N1 | 26-MAY-2010 23:04:04 | Dark | 41.500 | 45 | Alp Pav | 1.9400 | 26000. | 83 | 43070 | No |
| 126 | GOM_TRA_1PNPDE20100526_231038_000000422089_00431_43070_4364.N1 | 26-MAY-2010 23:10:38 | Straylight | 41.500 | 141 | Bet Ara | 2.8400 | 4600.0 | 83 | 43070 | No |
| 127 | GOM_TRA_1PNPDE20100526_231329_000000492089_00431_43070_4365.N1 | 26-MAY-2010 23:13:29 | Straylight | 48.500 | 40 | The Sco | 1.8590 | 7100.0 | 97 | 43070 | No |
| 128 | GOM_TRA_1PNPDE20100526_231518_000000512089_00431_43070_4366.N1 | 26-MAY-2010 23:15:18 | Straylight | 50.500 | 25 | 35Lam Sco | 1.6200 | 28000. | 101 | 43070 | No |
| 129 | GOM_TRA_1PNPDE20100526_231714_000000482089_00431_43070_4367.N1 | 26-MAY-2010 23:17:14 | Tw_i_and_stray | 48.000 | 75 | 26Eps Sco | 2.2910 | 4250.0 | 96 | 43070 | No |
| 130 | GOM_TRA_1PNPDE20100526_231922_000000472089_00431_43070_4368.N1 | 26-MAY-2010 23:19:22 | Tw_i_and_stray | 47.000 | 136 | 23Tau Sco | 2.8220 | 30000. | 94 | 43070 | No |

| | | | | | | | | | | | |
|-----|--|----------------------|--------|--------|-----|-----------|--------|--------|----|-------|----|
| 131 | GOM_TRA_1PNPDE20100526_232220_000000422089_00431_43070_4369.N1 | 26-MAY-2010 23:22:20 | Bright | 42.000 | 97 | 8Bet1Sco | 2.5610 | 30000. | 84 | 43070 | No |
| 132 | GOM_TRA_1PNPDE20100526_232547_000000382089_00431_43070_4370.N1 | 26-MAY-2010 23:25:47 | Bright | 37.500 | 104 | 27Bet Lib | 2.6140 | 13100. | 75 | 43070 | No |
| 133 | GOM_TRA_1PNPDE20100526_232725_000000422089_00431_43070_4371.N1 | 26-MAY-2010 23:27:25 | Bright | 42.000 | 120 | 1Del Oph | 2.7340 | 3200.0 | 84 | 43070 | No |
| 134 | GOM_TRA_1PNPDE20100526_233027_000000402089_00431_43070_4372.N1 | 26-MAY-2010 23:30:27 | Bright | 40.000 | 102 | 24Alp Ser | 2.6000 | 4250.0 | 80 | 43070 | No |
| 135 | GOM_TRA_1PNPDE20100526_233630_000000392089_00431_43070_4373.N1 | 26-MAY-2010 23:36:30 | Bright | 38.500 | 67 | 5Alp CrB | 2.2210 | 11000. | 77 | 43070 | No |
| 136 | GOM_TRA_1PNPDE20100526_234717_000000422089_00431_43070_4374.N1 | 26-MAY-2010 23:47:17 | Bright | 41.500 | 119 | 14Eta Dra | 2.7270 | 4700.0 | 83 | 43070 | No |
| 137 | GOM_TRA_1PNPDE20100526_234937_000000402089_00431_43070_4375.N1 | 26-MAY-2010 23:49:37 | Bright | 39.500 | 60 | 7Bet UMi | 2.0810 | 3950.0 | 79 | 43070 | 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).

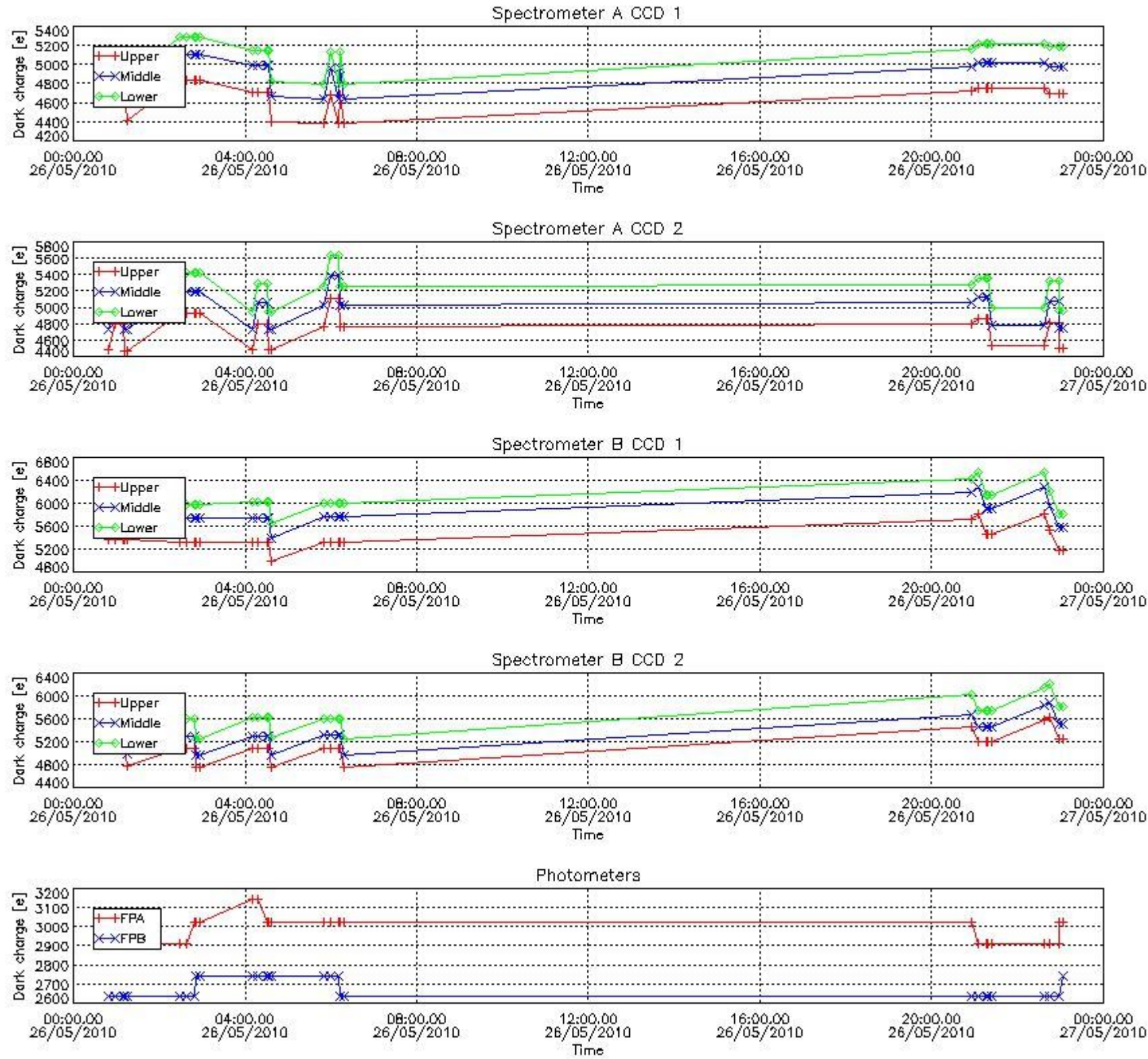
In this section a list of products that did not use the Dark Sky Area (DSA) observation for the DC computation is given. It is also provided the mean DC plot per product for dark limb products with no error flag set.

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

| Product name | DC information |
|--|-----------------------|
| GOM_TRA_1PNPDE20100526_194926_000000502089_00429_43068_4322.N1 | DC map with no T dep. |
| GOM_TRA_1PNPDE20100526_195216_000000492089_00429_43068_4323.N1 | DC map used |
| GOM_TRA_1PNPDE20100526_195406_000000512089_00429_43068_4324.N1 | DC map used |

| | |
|--|-------------|
| GOM_TRA_1PNPDE20100526_195602_000000522089_00429_43068_4325.N1 | DC map used |
| GOM_TRA_1PNPDE20100526_195809_000000442089_00429_43068_4326.N1 | DC map used |
| GOM_TRA_1PNPDE20100526_200108_000000422089_00429_43068_4327.N1 | DC map used |
| GOM_TRA_1PNPDE20100526_200435_000000402089_00429_43068_4328.N1 | DC map used |
| GOM_TRA_1PNPDE20100526_200613_000000432089_00429_43068_4329.N1 | DC map used |
| GOM_TRA_1PNPDE20100526_200916_000000402089_00429_43068_4330.N1 | DC map used |
| GOM_TRA_1PNPDE20100526_201518_000000412089_00429_43068_4331.N1 | DC map used |
| GOM_TRA_1PNPDE20100526_202606_000000442089_00429_43068_4332.N1 | DC map used |
| GOM_TRA_1PNPDE20100526_202826_000000372089_00429_43068_4333.N1 | DC map used |
| GOM_TRA_1PNPDE20100526_204111_000000382089_00429_43068_4334.N1 | DC map used |
| GOM_TRA_1PNPDE20100526_204842_000000412089_00429_43068_4335.N1 | DC map used |
| GOM_TRA_1PNPDE20100526_205117_000000502089_00429_43068_4336.N1 | DC map used |
| GOM_TRA_1PNPDE20100526_205554_000000492089_00429_43068_4337.N1 | DC map used |

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



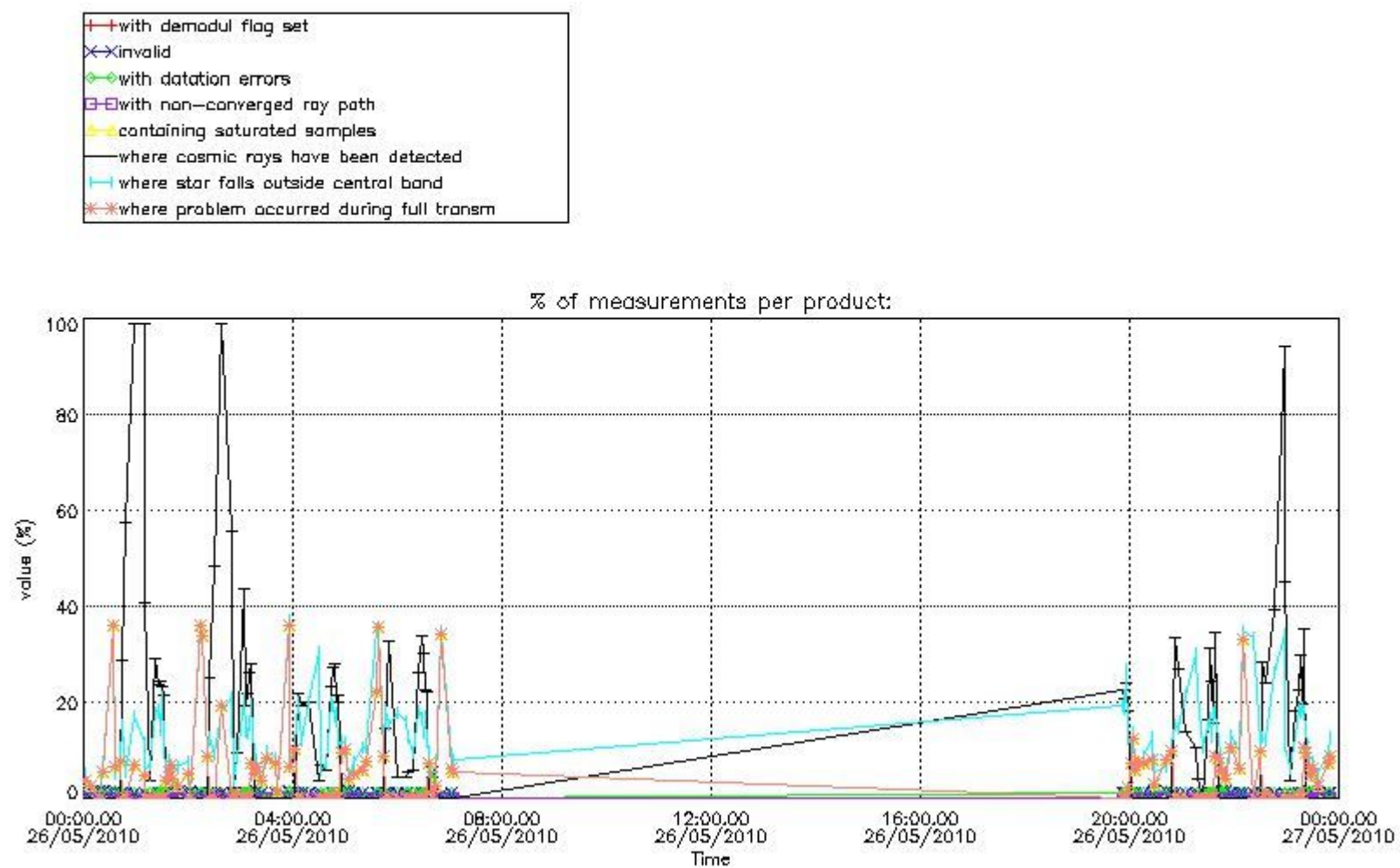
5. Demodulation flag and quality information monitoring

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

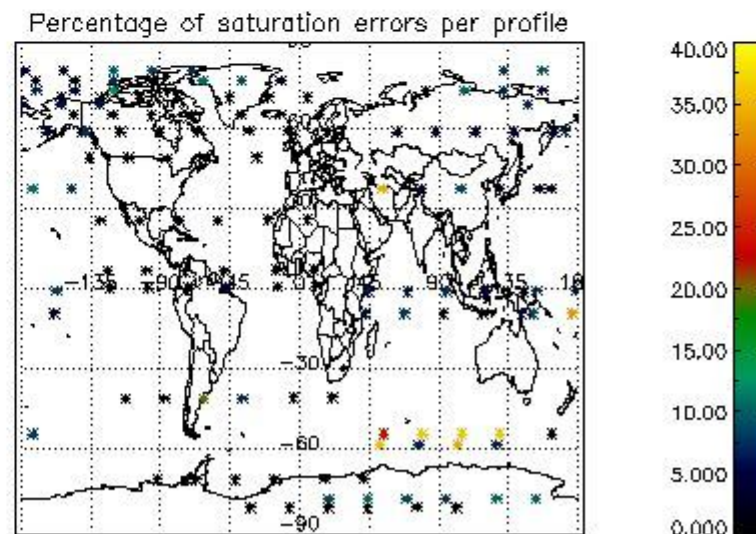
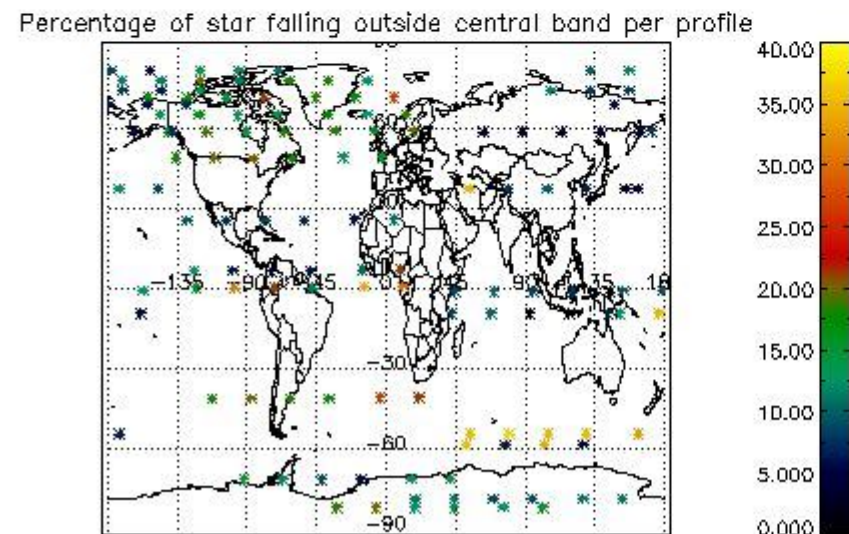
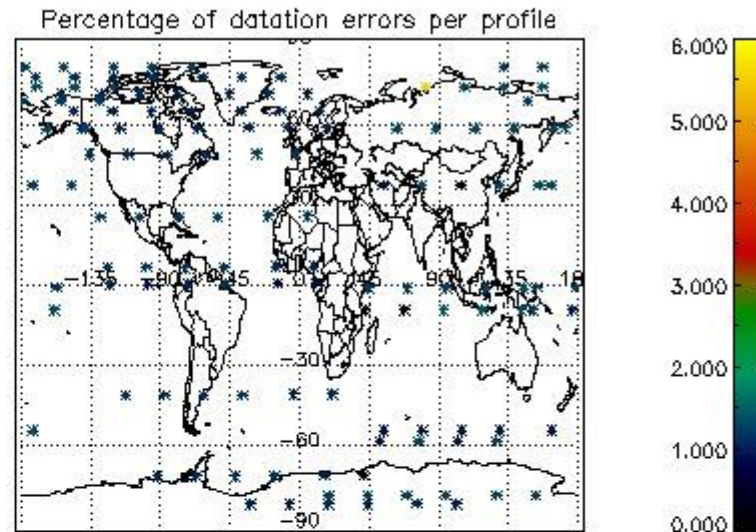
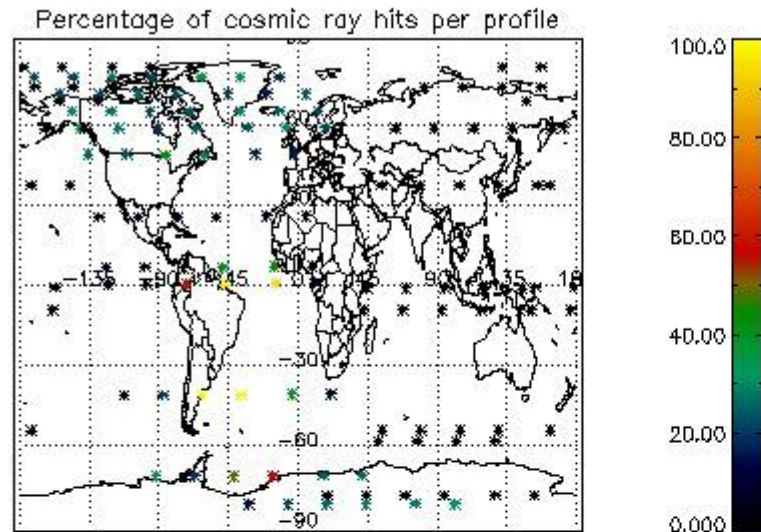
5.1 Percentage of products during reporting period with:

| | |
|---|-----------|
| At least one measurement with demodulation flag set: | 46.3235 % |
| Reference spectrum computed from DB: | 0.00000 % |
| Reference spectrum with small number of measurements: | 0.00000 % |
| SATU data not used: | 0.00000 % |

5.2 Plot quality information per product (time dependant)



5.3 Plot quality information per product (world map)



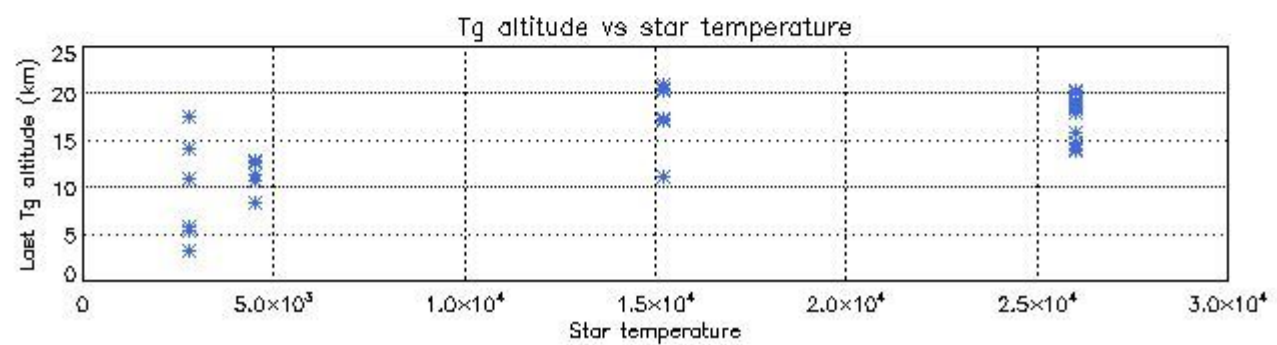
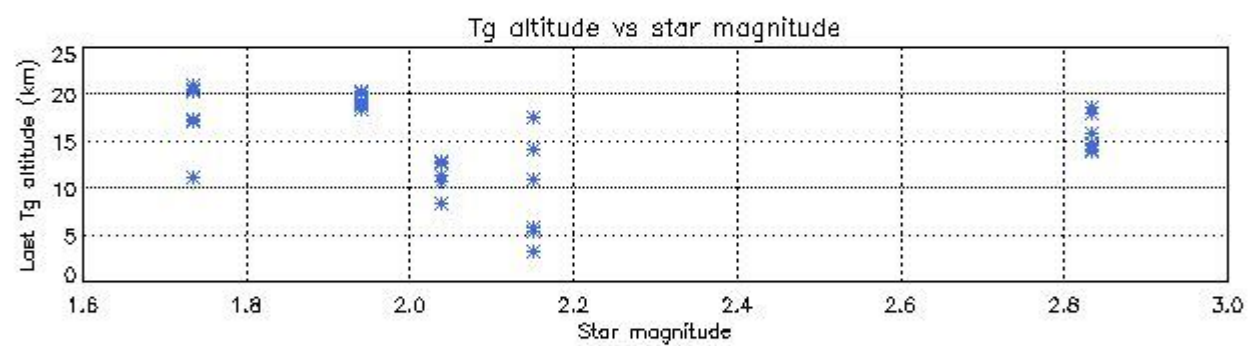
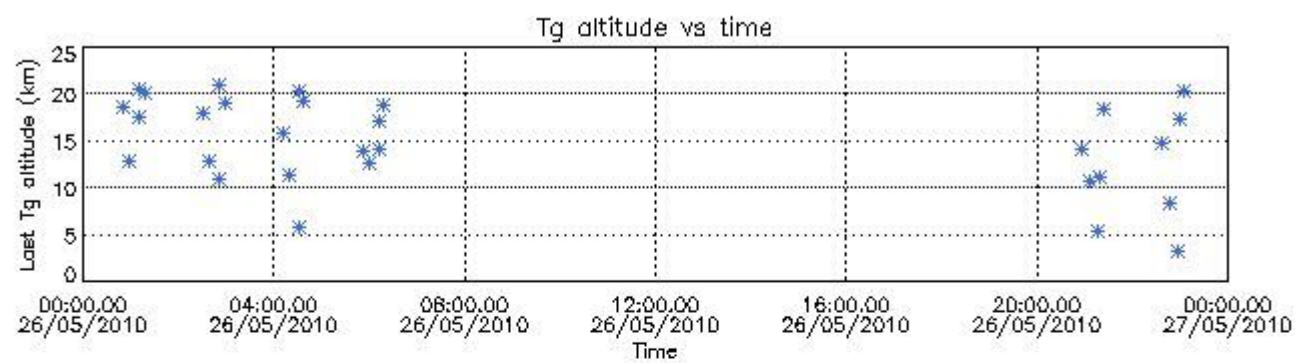
6. Statistics and plot of tangent altitude of the last measurement (DARK & BRIGHT products without errors)

6.1 Statistics on tangent altitude lost:

| Statistics | DARK | BRIGHT | TWILIGHT |
|-----------------|--------|--------|----------|
| Mean: | 14.806 | 17.478 | NaN |
| St. deviation: | 4.8801 | 5.8541 | NaN |
| Maximum: | 21.040 | 27.990 | NaN |
| Minimum: | 3.1608 | 3.2974 | NaN |
| Number of data: | 30.000 | 65.000 | NaN |

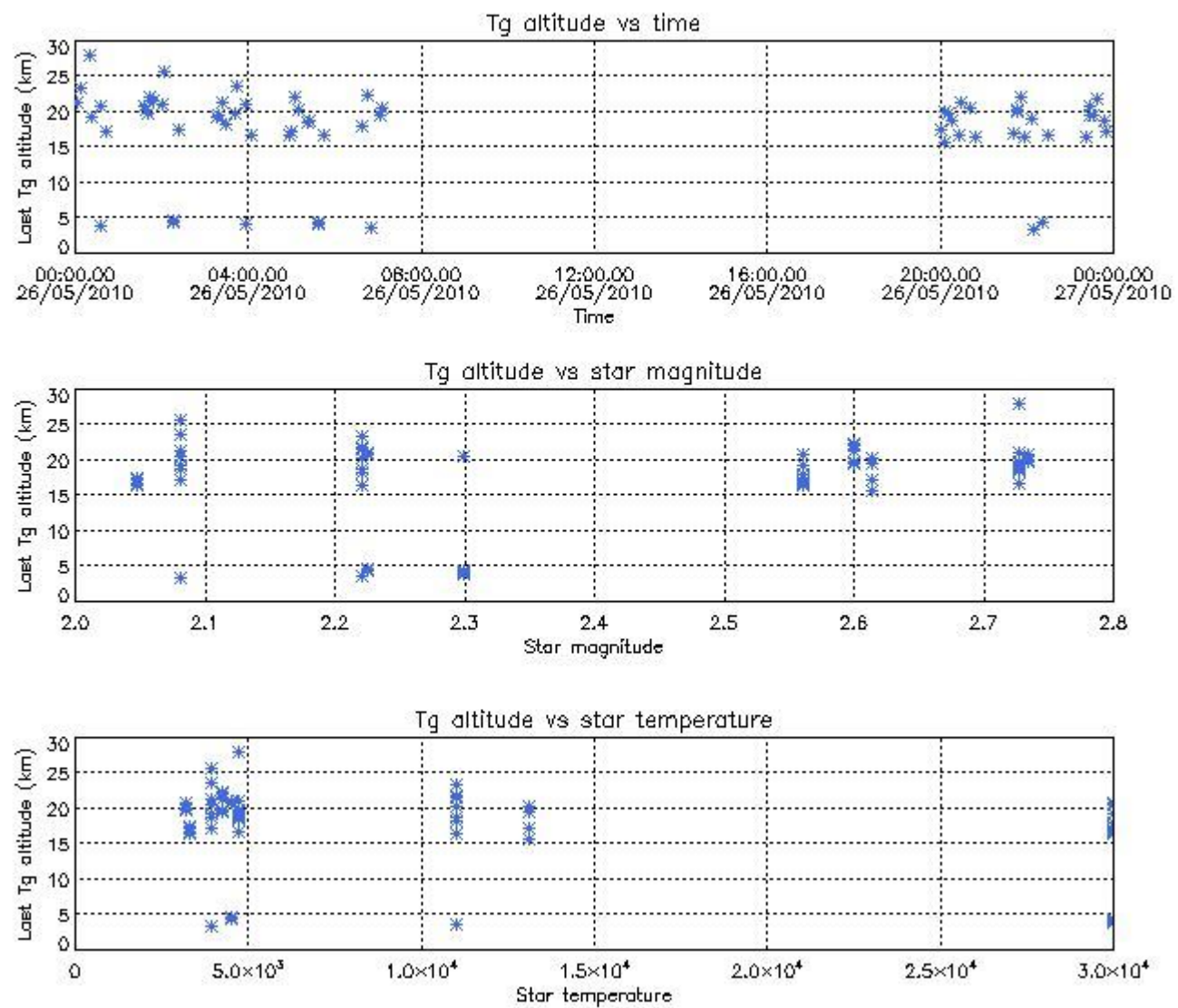
6.2 Plot for DARK limb products

Tangent altitude at which the star is lost



6.3 Plot for BRIGHT limb products

Tangent altitude at which the star is lost

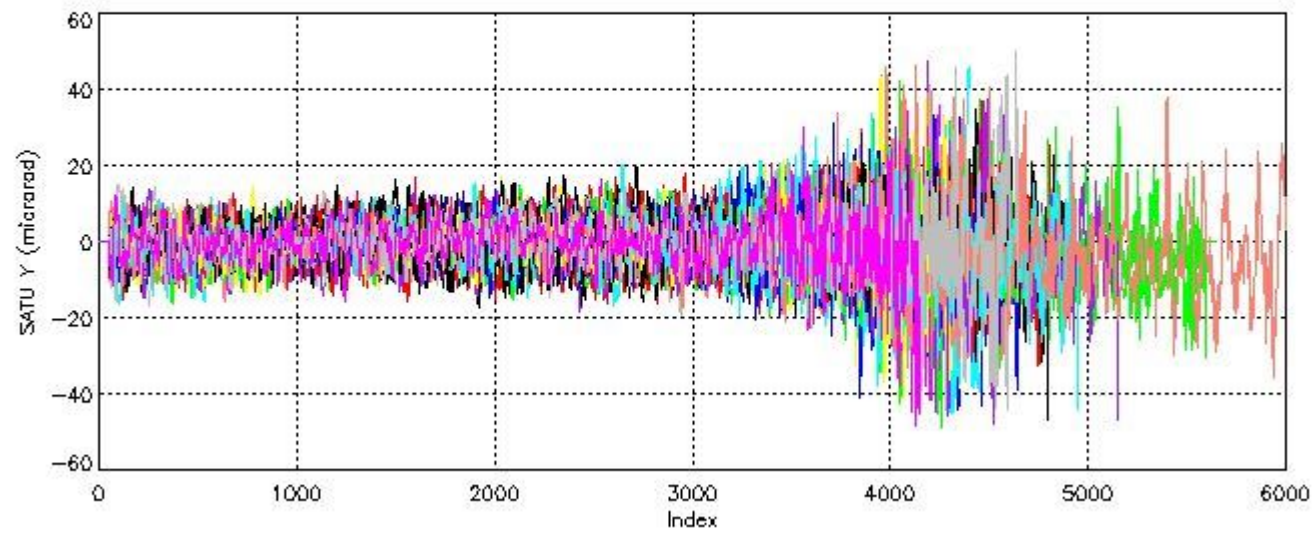
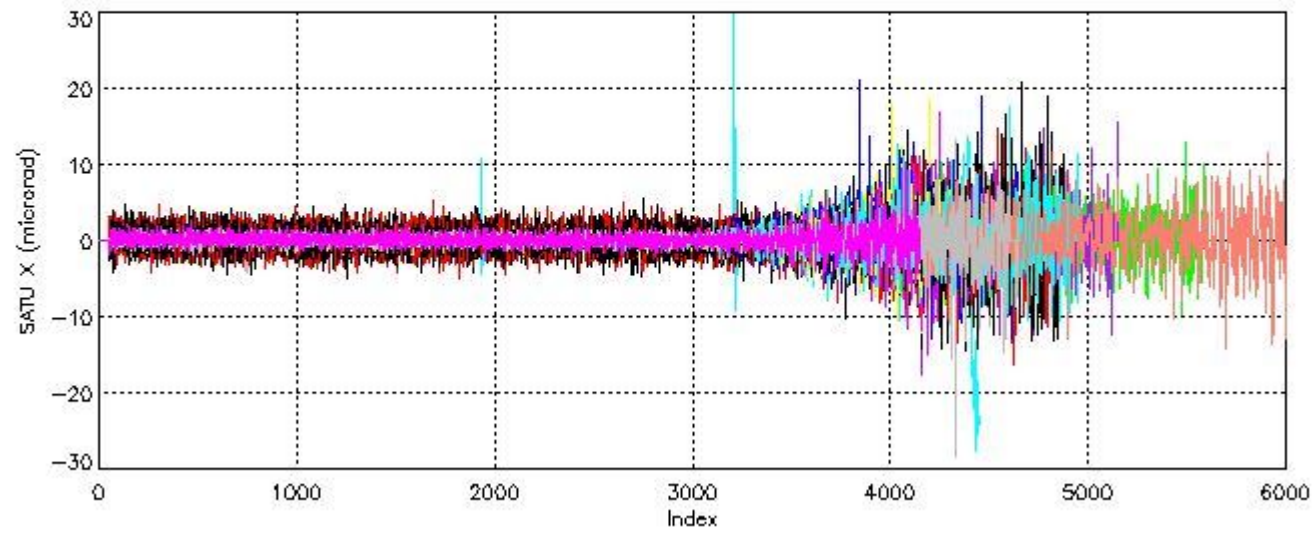


7. Star Acquisition and Tracking Unit (SATU)

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

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

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



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

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

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

7.2.1 SATU NEA Statistics (table)

| Statistics | SATU X (D) | SATU Y (D) | SATU X (B) | SATU Y (B) |
|----------------|------------|------------|------------|------------|
| Mean: | 0.18669 | -0.82380 | 0.16354 | -0.84223 |
| St. deviation: | 0.59577 | 4.2104 | 0.70234 | 3.8173 |
| Maximum: | 4.8000 | 14.800 | 4.5000 | 15.500 |
| Minimum: | -4.6000 | -17.000 | -5.1000 | -16.600 |

| | | | | |
|-----------------|--------|--------|--------|--------|
| Number of data: | 29900. | 29900. | 59550. | 59550. |
|-----------------|--------|--------|--------|--------|

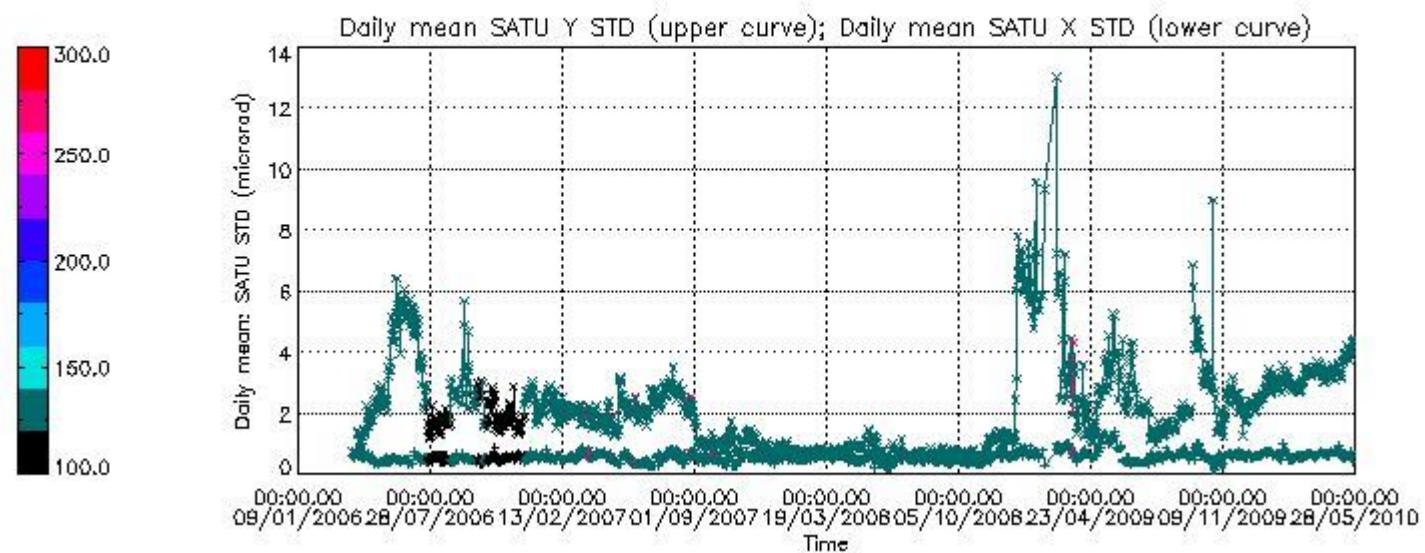
7.2.2 Trend of daily SATU NEA St. deviation since 1st April 2006 (dark limb)

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

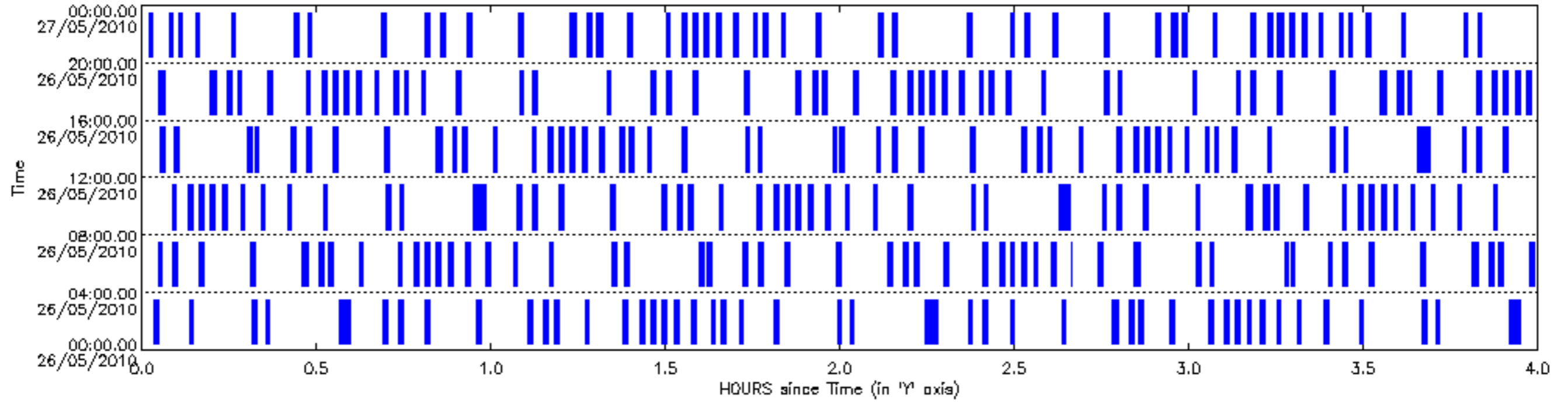
Lower curve: STD of SATU X axis

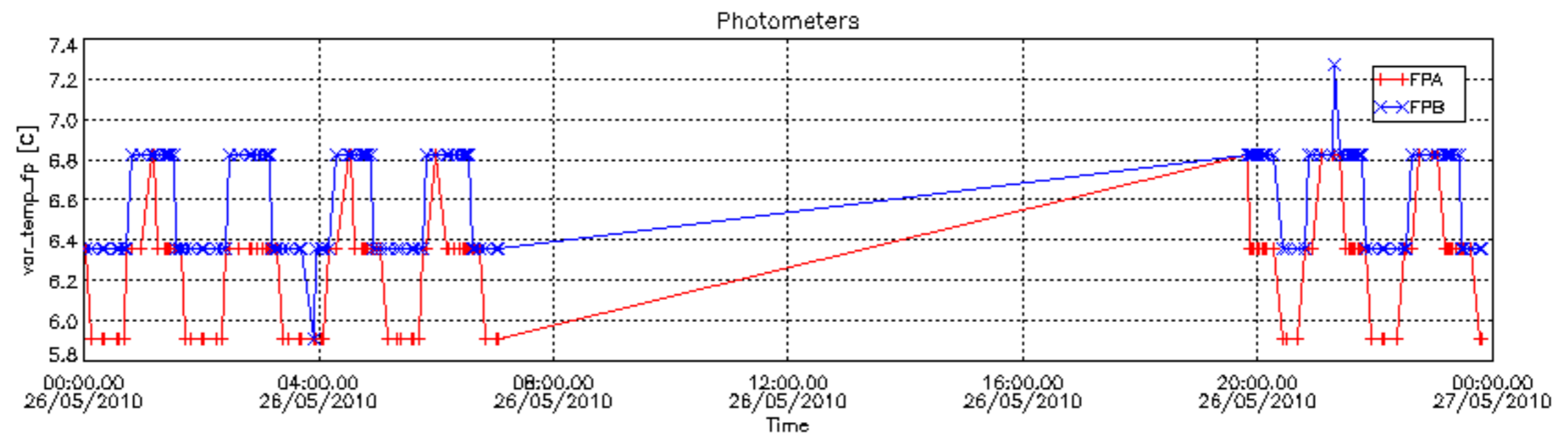
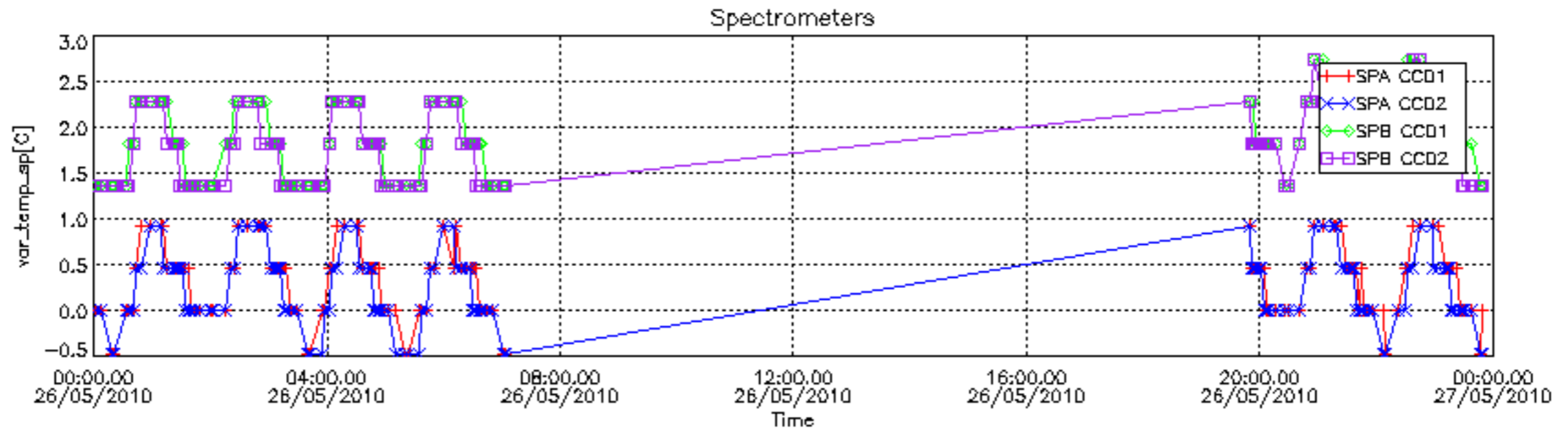


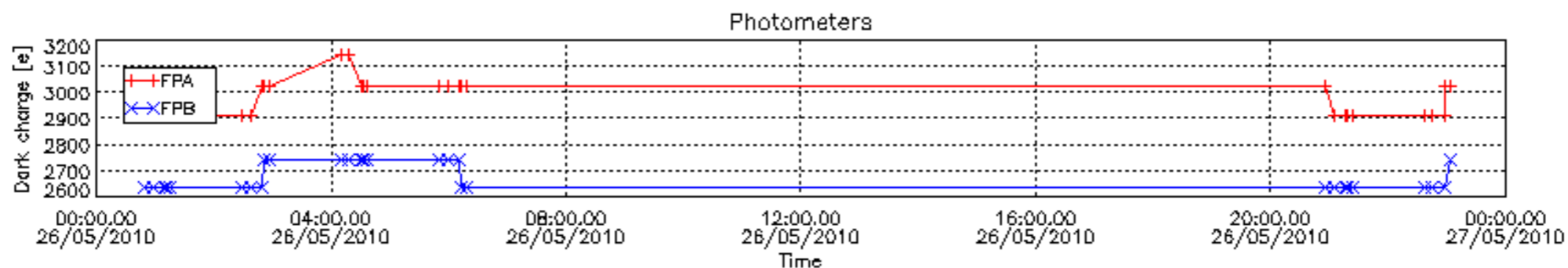
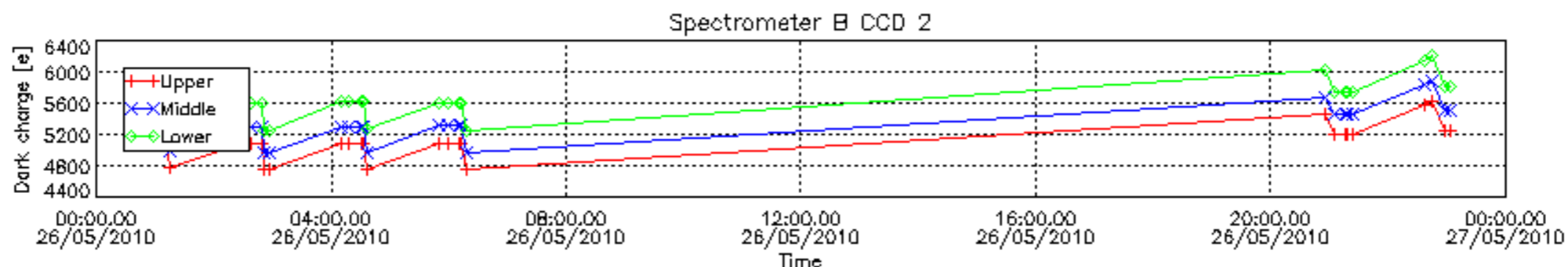
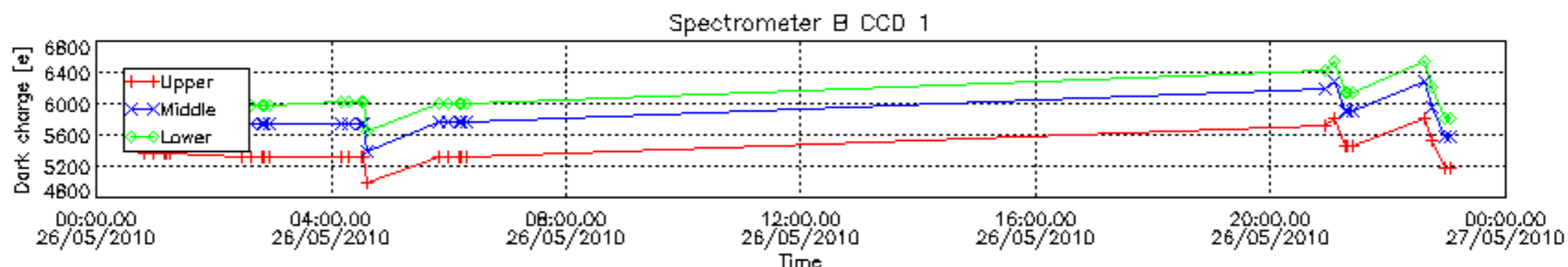
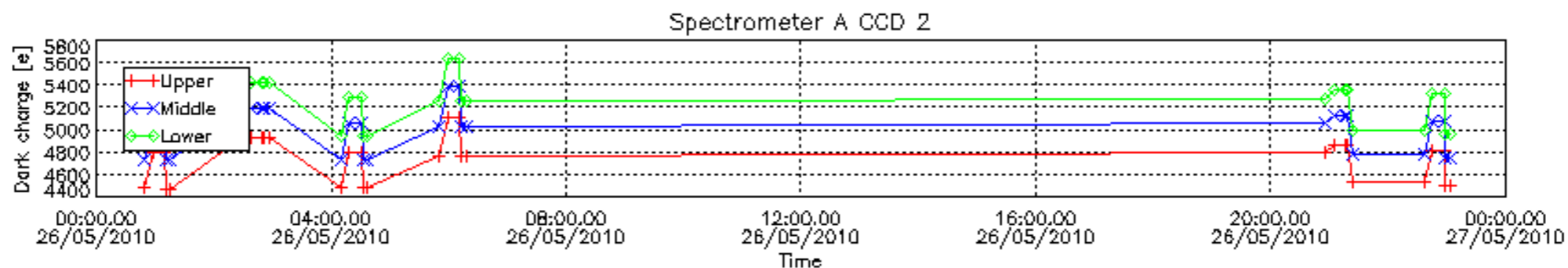
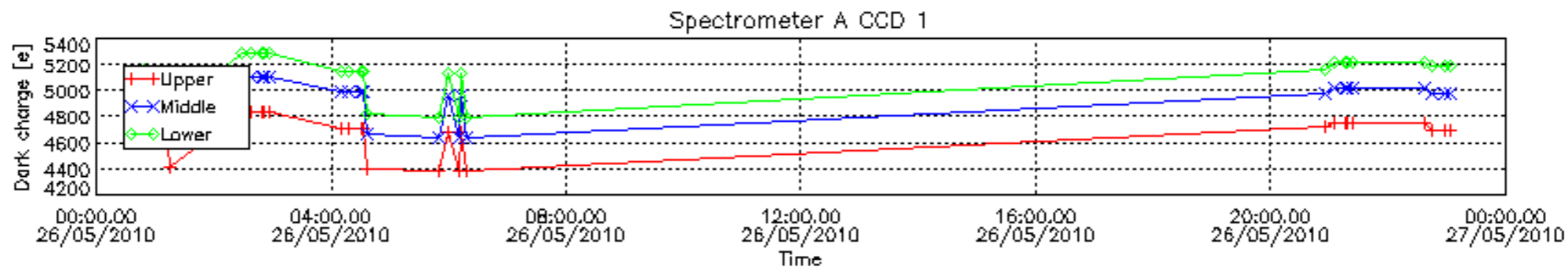
8. Auxiliary Data Files used for the production reported in section 2.4

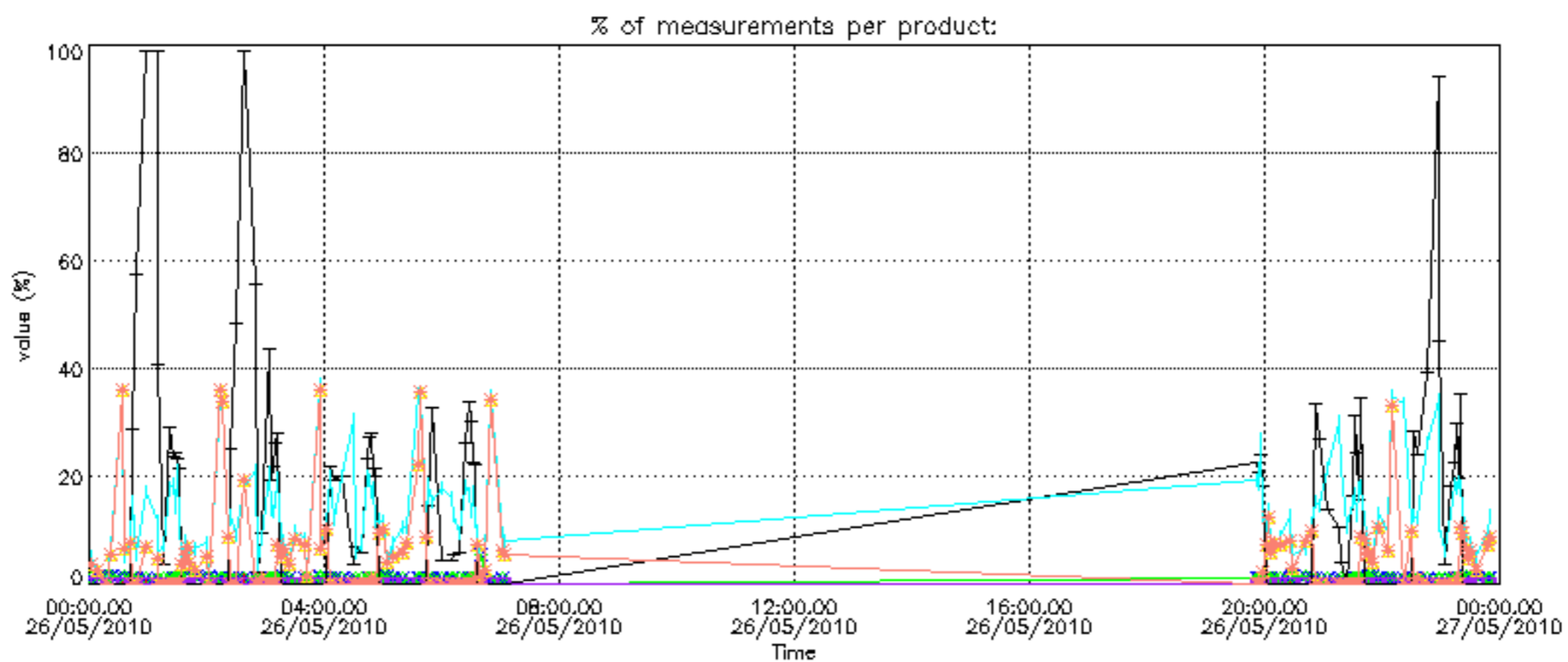
The number reported in the third column indicates since which file (see list in section 2.4) the corresponding auxiliary file has been used. The fourth column is the date of those product files.

| Type | Auxiliary Filename | Used since product | Used since product date |
|---------------------------|--|--------------------|-------------------------|
| INST_PHYS_CHARACTERISTICS | GOM_INS_AXVIEC20091111_143220_20030716_120000_20500101_000000 | 1 | 26-MAY-2010 00:02:06 |
| CALIBRATION_DATABASE | GOM_CAL_AXVIEC20100518_092709_20100516_000000_20500101_000000 | 1 | 26-MAY-2010 00:02:06 |
| CALIBRATION_DATABASE | GOM_CAL_AXVIEC20100526_084407_20100525_000000_20500101_000000 | 86 | 26-MAY-2010 19:49:26 |
| LEVEL-1B_PROC_CONFIG | GOM_PR1_AXVIEC20091111_145255_20020301_000000_20500101_000000 | 1 | 26-MAY-2010 00:02:06 |
| STAR_CATALOGUE | GOM_CAT_AXVIEC20020121_161009_20020101_000000_20200101_000000 | 1 | 26-MAY-2010 00:02:06 |
| STELLAR_SPECTRA_DATABANK | GOM_STS_AXVIEC20091111_151504_20020101_160000_20500101_000000 | 1 | 26-MAY-2010 00:02:06 |
| ECMWF_FILE | AUX_ECF_AXNECM20100525_053224_20100525_210000_20100526_090000 | 1 | 26-MAY-2010 00:02:06 |
| ECMWF_FILE | AUX_ECF_AXNECM20100525_171225_20100526_030000_20100526_150000 | 44 | 26-MAY-2010 03:40:10 |
| ECMWF_FILE | AUX_ECA_AXNECM20100526_052115_20100525_210000_20100526_090000 | 66 | 26-MAY-2010 05:35:48 |
| ECMWF_FILE | AUX_ECA_AXNECM20100526_165746_20100526_090000_20100526_210000 | 86 | 26-MAY-2010 19:49:26 |
| ECMWF_FILE | AUX_ECF_AXNECM20100526_054114_20100526_210000_20100527_090000 | 102 | 26-MAY-2010 21:04:46 |
| OPTIONAL_ECMWF_FILE | MISSING | 1 | 26-MAY-2010 00:02:06 |
| ORBIT_DATA_FILE | DOR_NAV_OPNPDE20100525_231541_000057382089_00416_43055_0422.N1 | 1 | 26-MAY-2010 00:02:06 |
| ORBIT_DATA_FILE | DOR_NAV_OPNPDE20100526_005119_000095642089_00417_43056_0423.N1 | 10 | 26-MAY-2010 00:57:29 |
| ORBIT_DATA_FILE | AUX_FPO_AXVPDS20100525_091225_20100524_185815_20100603_202428 | 44 | 26-MAY-2010 03:40:10 |
| ORBIT_DATA_FILE | DOR_NAV_OPNPDE20100526_052736_000057382089_00420_43059_0427.N1 | 66 | 26-MAY-2010 05:35:48 |
| ORBIT_DATA_FILE | DOR_NAV_OPNPDE20100526_194820_000038252089_00429_43068_0428.N1 | 86 | 26-MAY-2010 19:49:26 |
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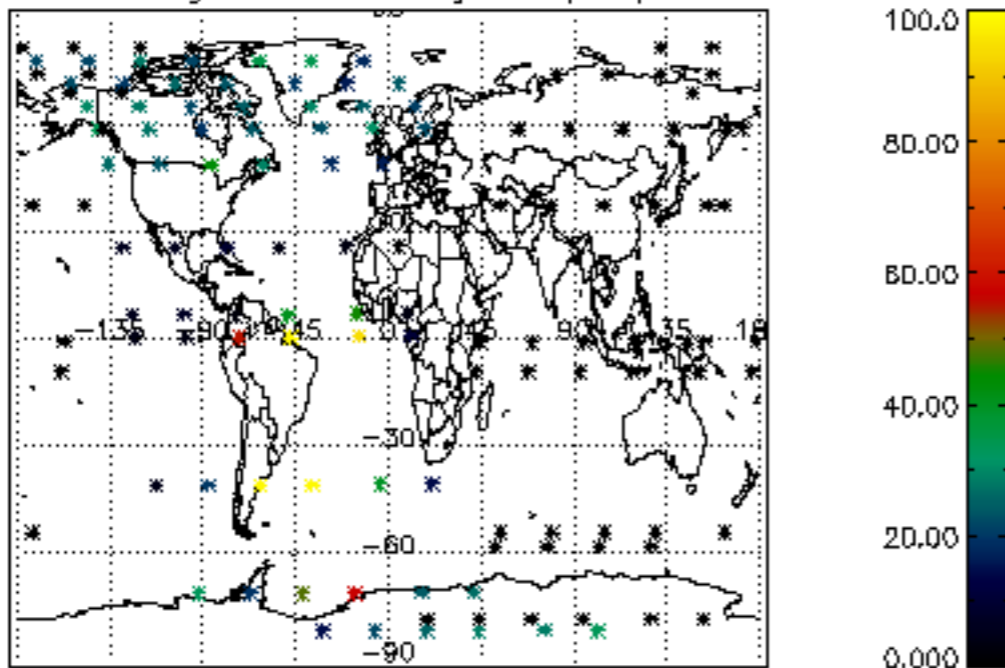




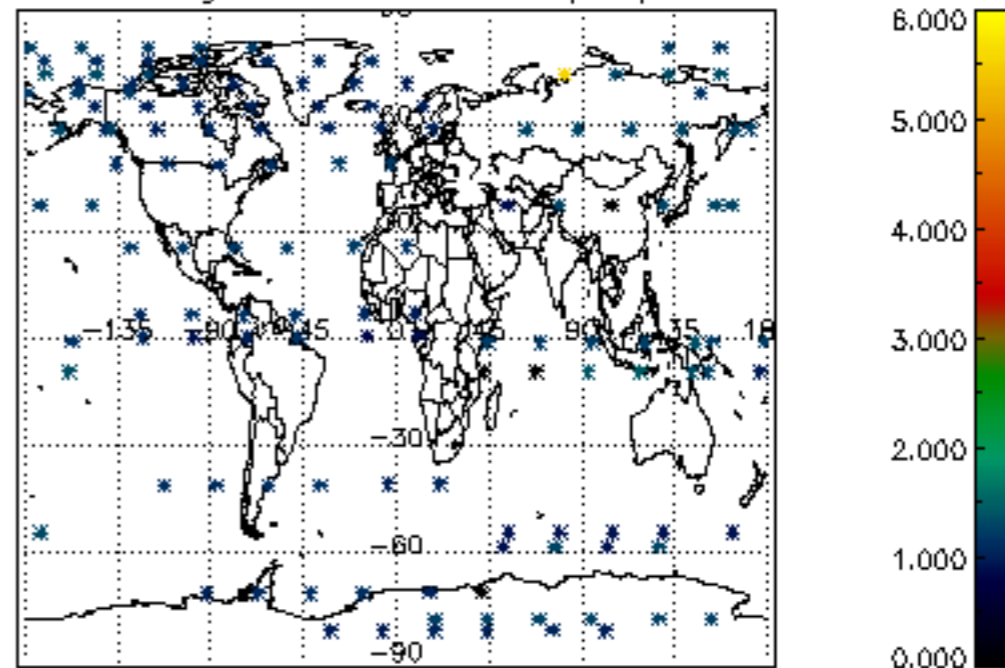




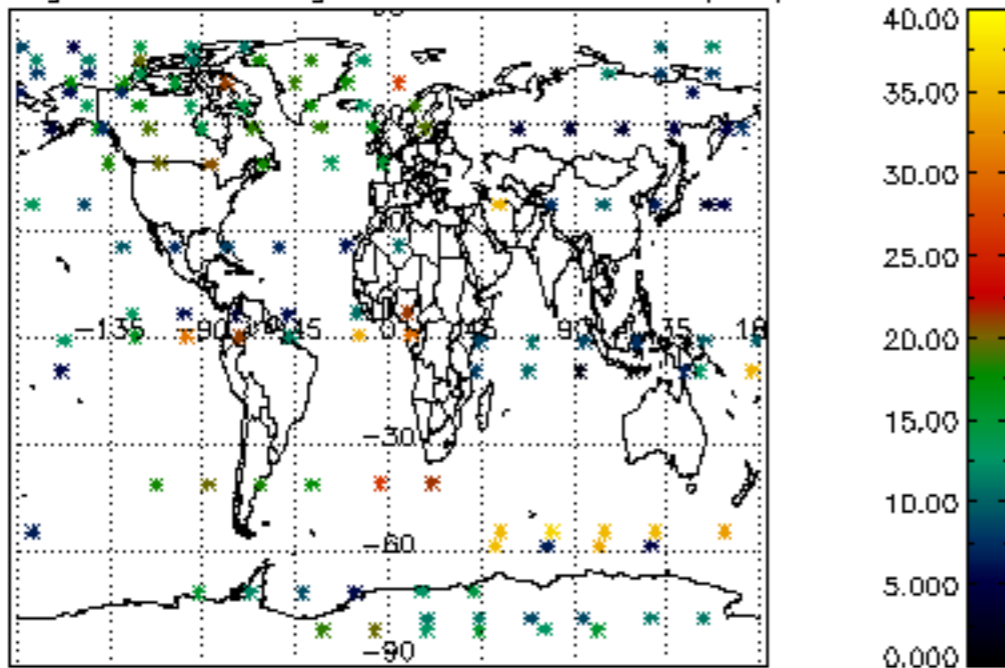
Percentage of cosmic ray hits per profile



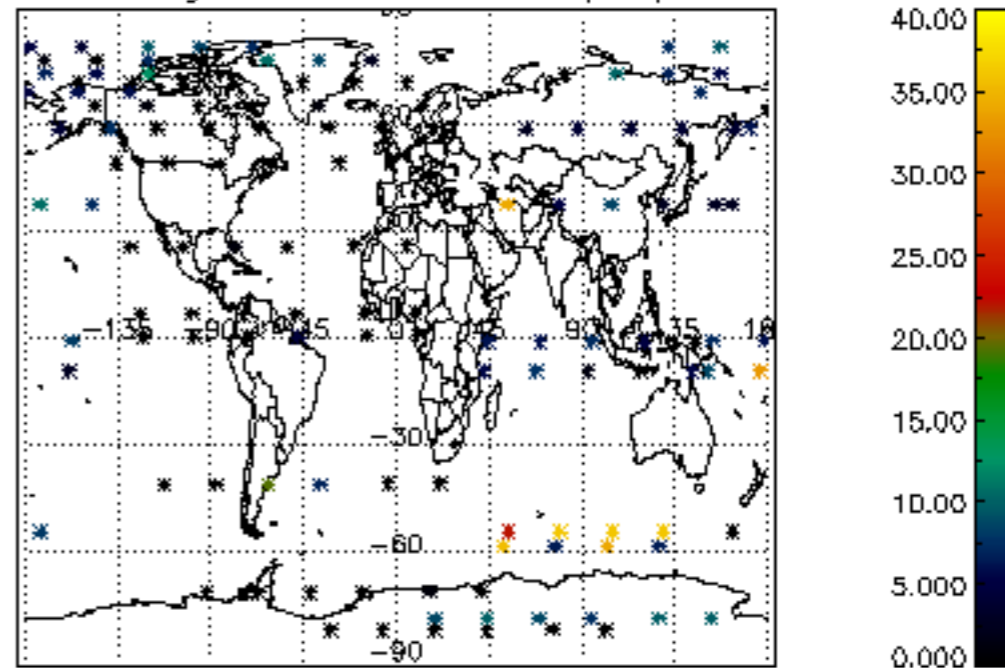
Percentage of datation errors per profile



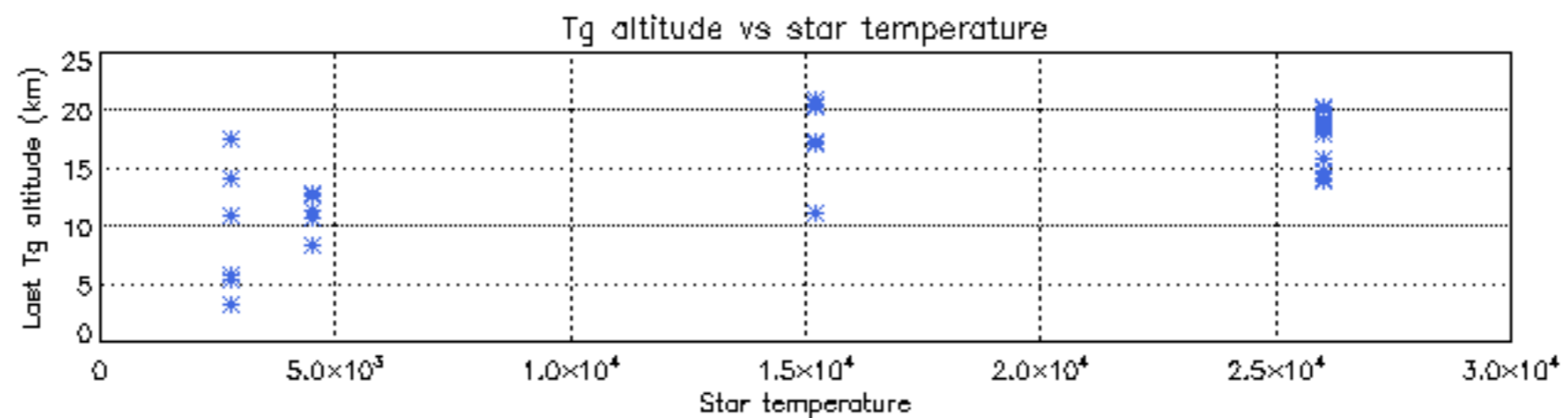
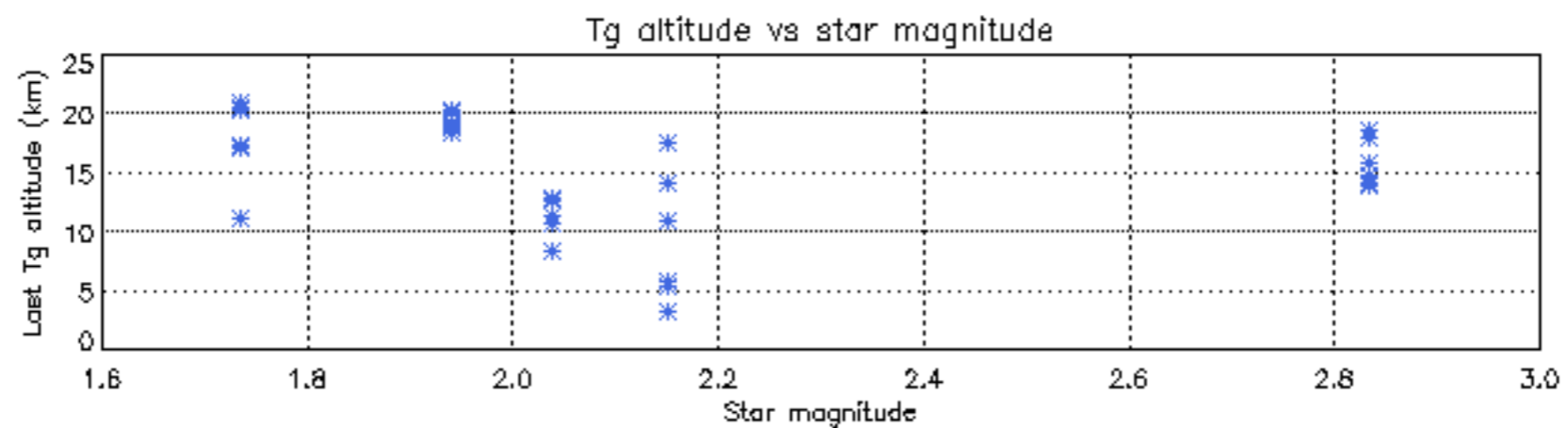
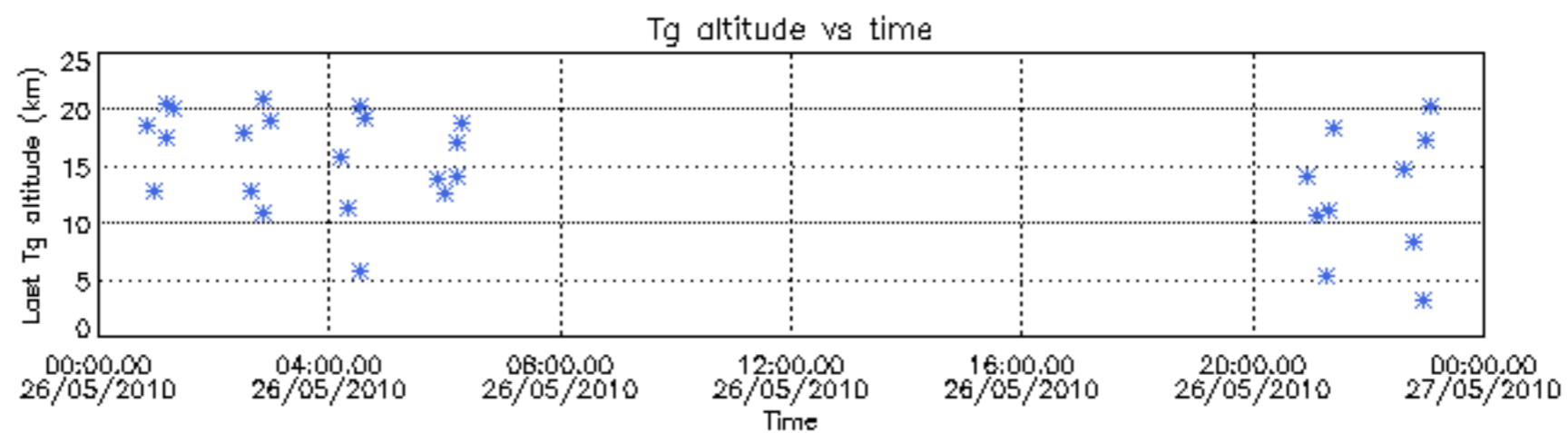
Percentage of star falling outside central band per profile



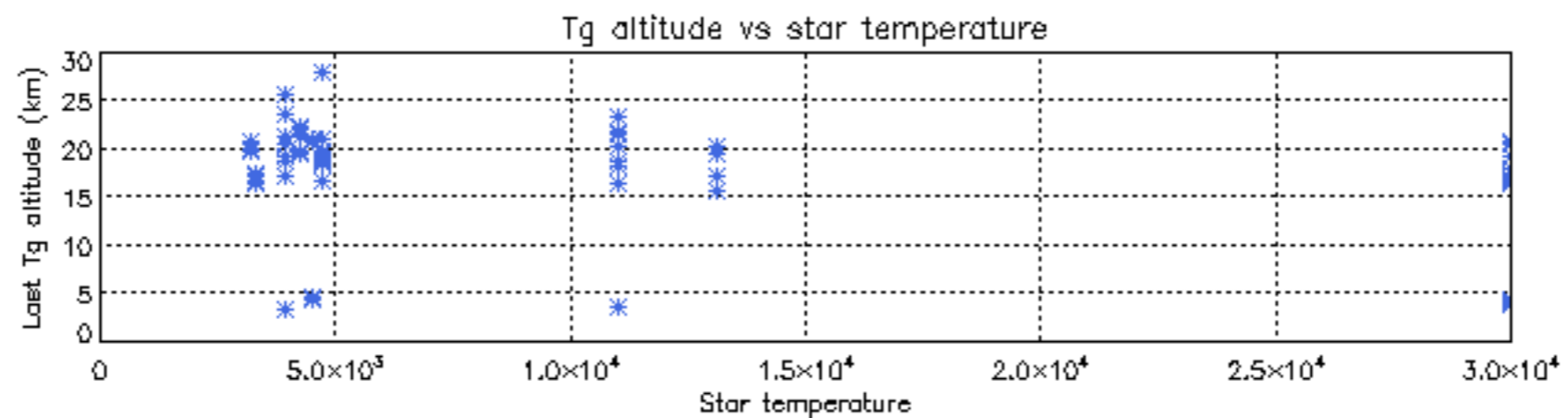
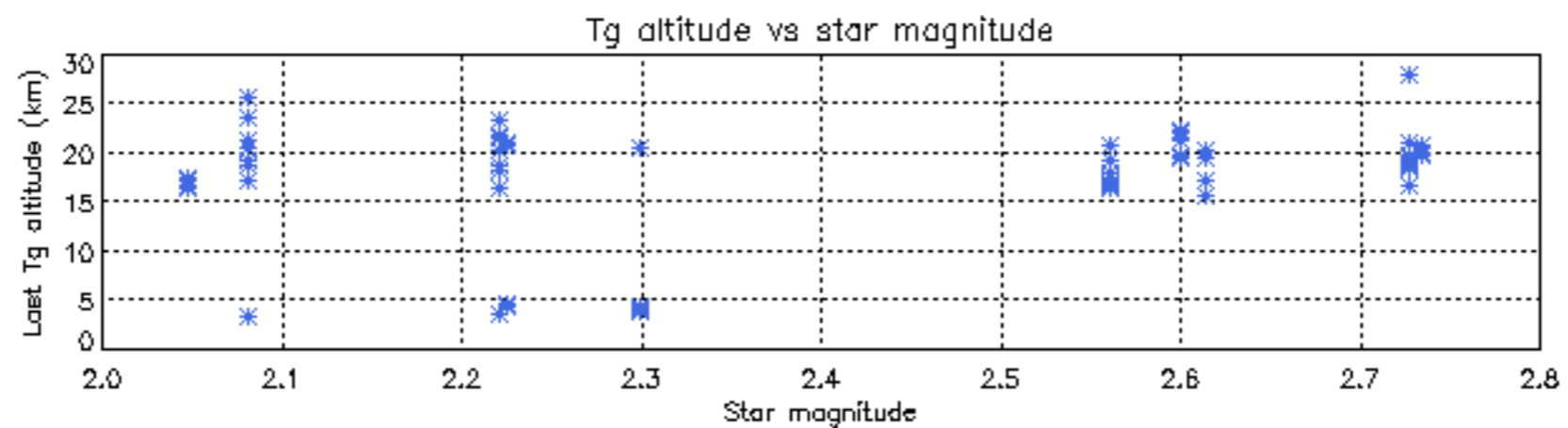
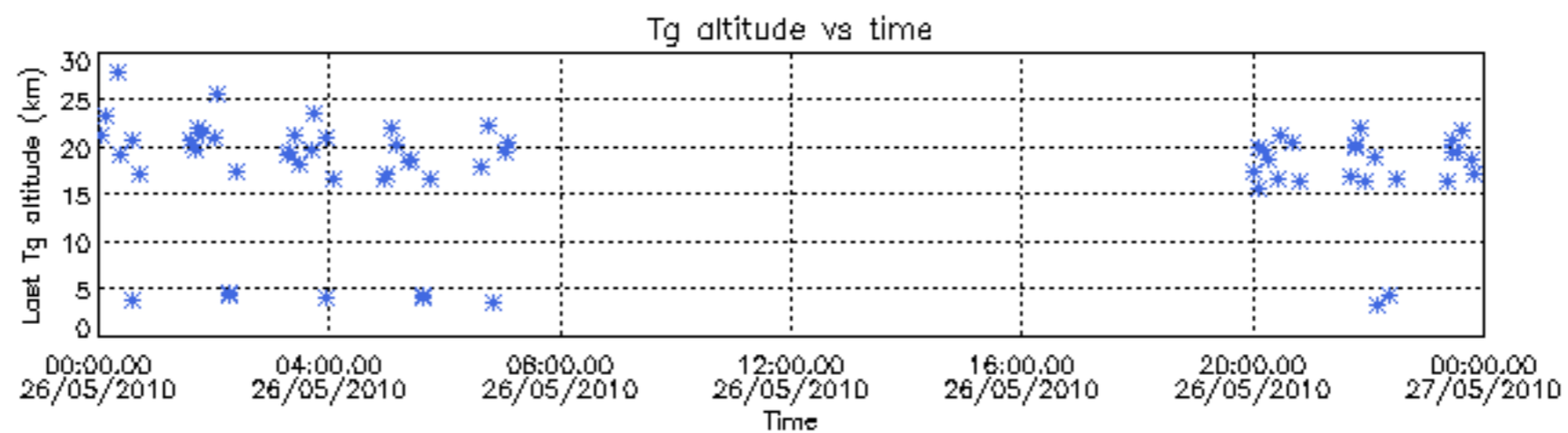
Percentage of saturation errors per profile

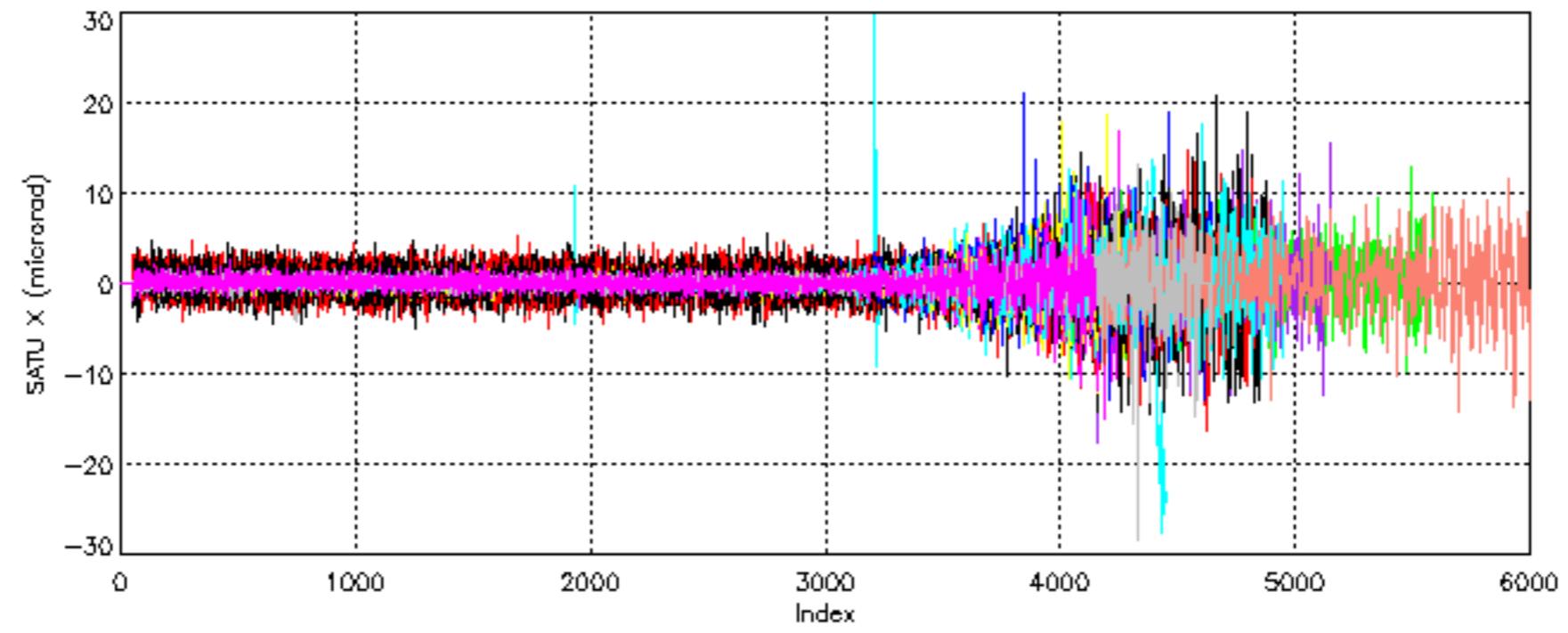


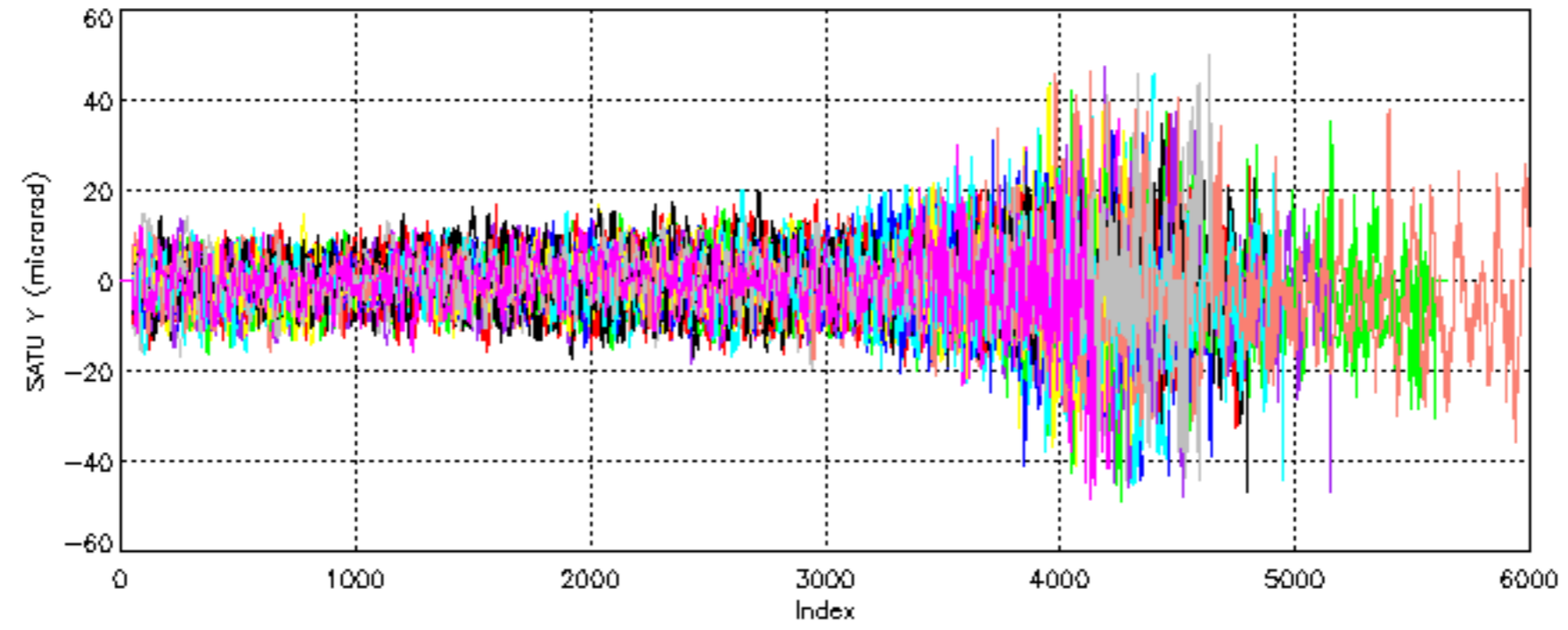
Tangent altitude at which the star is lost

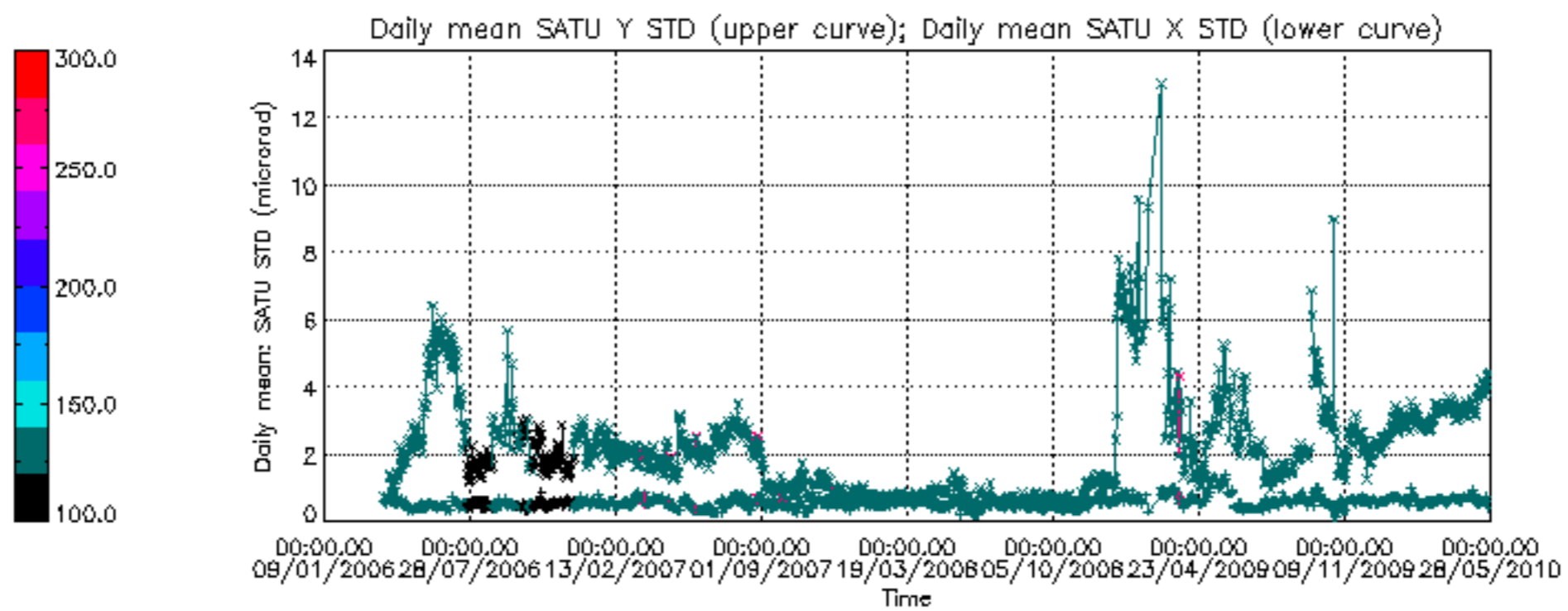


Tangent altitude at which the star is lost









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 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
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 14; 2770.6; 01-MAY-2010 01:40:49; Bright; 39.5; 39; 85Eta UMA ; 1.85; 24000;occ; 79; 0;42699
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 16; 3829.0; 01-MAY-2010 01:58:28; Bright; 50.5; 89; 5Alp Cep ; 2.45; 8000;occ; 101; 0;42699
 17; 4140.5; 01-MAY-2010 02:03:39; Bright; 32.0; 19; 50Alp Cyg ; 1.25; 10500;occ; 64; 0;42699
 18; 4508.1; 01-MAY-2010 02:09:47; Dark ; 51.5; 164; 44Eta Peg ; 2.95; 5400;occ; 103; 0;42699
 19; 4773.4; 01-MAY-2010 02:14:12; Dark ; 45.0; 90; 54Alp Peg ; 2.49; 11000;occ; 90; 0;42699
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 4; -479.6; 01-MAY-2010 02:27:15; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;42699
 5; 635.3; 01-MAY-2010 02:45:50; Dark ; 42.0; 141; Bet Ara ; 2.84; 4600;occ; 84; 0;42700
 6; 746.6; 01-MAY-2010 02:47:41; Dark ; 55.0; 40; The Sco ; 1.86; 7100;occ; 110; 0;42700
 7; 851.7; 01-MAY-2010 02:49:26; Dark ; 57.5; 25; 35Lam Sco ; 1.62; 28000;occ; 115; 0;42700
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 9; 1264.8; 01-MAY-2010 02:56:19; Dark ; 68.0; 16; 21Alp Sco ; 1.02; 3000;occ; 136; 0;42700
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 11; 1590.1; 01-MAY-2010 03:01:45; Bright; 43.5; 122; 9Alp2Lib ; 2.75; 9700;occ; 87; 0;42700
 12; 1728.1; 01-MAY-2010 03:04:03; Bright; 50.5; 104; 27Bet Lib ; 2.61; 13100;occ; 101; 0;42700
 13; 2233.6; 01-MAY-2010 03:12:28; Bright; 38.0; 111; 8Eta Boo ; 2.68; 6000;occ; 76; 0;42700
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 16; 2770.8; 01-MAY-2010 03:21:25; Bright; 40.0; 39; 85Eta UMA ; 1.85; 24000;occ; 80; 0;42700
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 13; 1039.9; 01-MAY-2010 04:33:11; Dark ; 59.0; 75; 26Eps Sco ; 2.29; 4250;occ; 118; 0;42701
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 15; 1400.2; 01-MAY-2010 04:39:11; Dark ; 62.0; 80; 7Del Sco ; 2.32; 30000;occ; 124; 0;42701
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2; 2230.7; 02-MAY-2010 07:42:36; Bright; 37.5; 111; 8Eta Boo ; 2.68; 6000;occ; 75; 0;42717
3; 2447.6; 02-MAY-2010 07:46:13; Bright; 44.0; 83; ; 2.38; 11000;occ; 88; 0;42717
4; 2628.7; 02-MAY-2010 07:49:14; Bright; 42.0; 180; 27Gam Boo ; 3.04; 8000;occ; 84; 0;42717
5; 3200.4; 02-MAY-2010 07:58:46; Bright; 42.5; 119; 14Eta Dra ; 2.73; 4700;occ; 85; 0;42717
6; 3823.5; 02-MAY-2010 08:09:09; Bright; 42.0; 89; 5Alp Cep ; 2.45; 8000;occ; 84; 0;42717
7; 4510.7; 02-MAY-2010 08:20:36; Dark ; 47.5; 164; 44Eta Peg ; 2.95; 5400;occ; 95; 0;42717
8; 4779.1; 02-MAY-2010 08:25:05; Dark ; 46.5; 90; 54Alp Peg ; 2.49; 11000;occ; 93; 0;42717
9; 5046.2; 02-MAY-2010 08:29:32; Dark ; 67.5; 61; 8Eps Peg ; 2.10; 3900;occ; 135; 0;42717
10; 5191.3; 02-MAY-2010 08:31:57; Dark ; 56.5; 162; 34Alp Aqr ; 2.94; 5350;occ; 113; 0;42717
11; 5421.7; 02-MAY-2010 08:35:47; Dark ; 62.0; 154; 22Bet Aqr ; 2.90; 5700;occ; 124; 0;42717
12; 5577.4; 02-MAY-2010 08:38:23; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;42717
13; 5809.3; 02-MAY-2010 08:42:15; Dark ; 43.0; 172; Gam Gru ; 3.00; 13100;occ; 86; 0;42717
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8; 5047.0; 02-MAY-2010 10:10:09; Dark ; 66.0; 61; 8Eps Peg ; 2.10; 3900;occ; 132; 0;42718
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5; 3198.9; 02-MAY-2010 11:19:56; Bright; 46.0; 119; 14Eta Dra ; 2.73; 4700;occ; 92; 0;42719
6; 3822.6; 02-MAY-2010 11:30:20; Bright; 45.0; 89; 5Alp Cep ; 2.45; 8000;occ; 90; 0;42719
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14; 6684.0; 02-MAY-2010 12:18:02; Dark ; 52.5; 141; Bet Ara ; 2.84; 4600;occ; 105; 0;42720
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6; 3198.6; 02-MAY-2010 13:00:32; Bright; 45.0; 119; 14Eta Dra ; 2.73; 4700;occ; 90; 0;42720
7; 3822.4; 02-MAY-2010 13:10:56; Bright; 41.5; 89; 5Alp Cep ; 2.45; 8000;occ; 83; 0;42720
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4; 2445.6; 02-MAY-2010 14:28:35; Bright; 43.5; 83; ; 2.38; 11000;occ; 87; 0;42721
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 16; 5813.0; 02-MAY-2010 17:05:18; Dark ; 43.0; 172; Gam Gru ; 3.00; 13100;occ; 86; 0;42722
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 7; 2444.7; 02-MAY-2010 17:49:46; Bright; 44.5; 83; ; 2.38; 11000;occ; 89; 0;42723
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 3; 2434.2; 04-MAY-2010 08:23:22; Bright; 45.0; 83; ; 2.38; 11000;occ; 90; 0;42746
 4; 2617.0; 04-MAY-2010 08:26:25; Bright; 38.5; 180; 27Gam Boo ; 3.04; 8000;occ; 77; 0;42746
 5; 3182.7; 04-MAY-2010 08:35:51; Bright; 45.5; 119; 14Eta Dra ; 2.73; 4700;occ; 91; 0;42746
 6; 3814.0; 04-MAY-2010 08:46:22; Bright; 43.5; 89; 5Alp Cep ; 2.45; 8000;occ; 87; 0;42746
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 6; 757.2; 04-MAY-2010 21:20:12; Dark ; 64.0; 38; 20Eps Sgr ; 1.84; 11000;occ; 128; 0;42754
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 5; 2517.9; 06-MAY-2010 07:21:32; Bright; 48.5; 67; 5Alp CrB ; 2.22; 11000;occ; 97; 0;42774
 6; 3166.4; 06-MAY-2010 07:32:20; Bright; 44.0; 119; 14Eta Dra ; 2.73; 4700;occ; 88; 0;42774
 7; 3804.7; 06-MAY-2010 07:42:59; Bright; 44.0; 89; 5Alp Cep ; 2.45; 8000;occ; 88; 0;42774
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 6; 2420.2; 06-MAY-2010 17:23:30; Bright; 42.0; 83; ; 2.38; 11000;occ; 84; 0;42780
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4; 244.7; 07-MAY-2010 22:58:01; Dark ; 40.0; 45; Alp Pav ; 1.94; 26000;occ; 80; 0;42798
5; 694.4; 07-MAY-2010 23:05:31; Dark ; 51.5; 141; Bet Ara ; 2.84; 4600;occ; 103; 0;42798
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9; 1259.0; 07-MAY-2010 23:14:55; Dark ; 25.0; 136; 23Tau Sco ; 2.82; 30000;occ; 50; 0;42798
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11; 1426.5; 07-MAY-2010 23:17:43; Dark ; 57.5; 80; 7Del Sco ; 2.32; 30000;occ; 115; 0;42798
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13; 1725.0; 07-MAY-2010 23:22:41; Bright; 44.5; 104; 27Bet Lib ; 2.61; 13100;occ; 89; 0;42798
14; 2222.3; 07-MAY-2010 23:30:58; Bright; 36.5; 111; 8Eta Boo ; 2.68; 6000;occ; 73; 0;42798
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16; 2598.8; 07-MAY-2010 23:37:15; Bright; 37.0; 180; 27Gam Boo ; 3.04; 8000;occ; 74; 0;42798
17; 2753.0; 07-MAY-2010 23:39:49; Bright; 37.5; 39; 85Eta UMa ; 1.85; 24000;occ; 75; 0;42798
18; 3152.4; 07-MAY-2010 23:46:29; Bright; 44.0; 119; 14Eta Dra ; 2.73; 4700;occ; 88; 0;42798
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5; -445.9; 07-MAY-2010 07:41:07; Dark ; 46.0; 18; 24Alp PsA ; 1.17; 9700;occ; 92; 0;42788
6; -309.3; 07-MAY-2010 07:43:24; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;42788
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8; 238.6; 07-MAY-2010 07:52:31; Dark ; 41.0; 45; Alp Pav ; 1.94; 26000;occ; 82; 0;42789
9; 689.3; 07-MAY-2010 08:00:02; Dark ; 44.5; 141; Bet Ara ; 2.84; 4600;occ; 89; 0;42789
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14; 1424.9; 07-MAY-2010 08:12:18; Dark ; 58.0; 80; 7Del Sco ; 2.32; 30000;occ; 116; 0;42789
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 4; 2416.9; 07-MAY-2010 08:28:50; Bright; 40.0; 83; ; 2.38; 11000;occ; 80; 0;42789
 5; 2601.4; 07-MAY-2010 08:31:54; Bright; 39.5; 180; 27Gam Boo ; 3.04; 8000;occ; 79; 0;42789
 6; 2754.4; 07-MAY-2010 08:34:27; Bright; 37.5; 39; 85Eta UMa ; 1.85; 24000;occ; 75; 0;42789
 7; 2841.6; 07-MAY-2010 08:35:54; Bright; 36.5; 55; 79Zet UMa ; 2.06; 10200;occ; 73; 0;42789
 8; 3157.8; 07-MAY-2010 08:41:11; Bright; 42.5; 119; 14Eta Dra ; 2.73; 4700;occ; 85; 0;42789
 9; 3799.5; 07-MAY-2010 08:51:52; Bright; 45.0; 89; 5Alp Cep ; 2.45; 8000;occ; 90; 0;42789
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19; 6967.5; 07-MAY-2010 09:44:40; Dark ; 25.0; 25; 35Lam Sco ; 1.62; 28000;occ; 50; 0;42790
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21; 7372.1; 07-MAY-2010 09:51:25; Dark ; 39.0; 156; 20Sig Sco ; 2.90; 28000;occ; 78; 0;42790
22; 7460.7; 07-MAY-2010 09:52:54; Dark ; 56.5; 80; 7Del Sco ; 2.32; 30000;occ; 113; 0;42790
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 3; 2416.5; 07-MAY-2010 10:09:25; Bright; 42.5; 83; ; 2.38; 11000;occ; 85; 0;42790
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 5; 2754.2; 07-MAY-2010 10:15:03; Bright; 38.0; 39; 85Eta UMa ; 1.85; 24000;occ; 76; 0;42790
 6; 3157.2; 07-MAY-2010 10:21:46; Bright; 43.5; 119; 14Eta Dra ; 2.73; 4700;occ; 87; 0;42790
 7; 3799.0; 07-MAY-2010 10:32:28; Bright; 55.5; 89; 5Alp Cep ; 2.45; 8000;occ; 111; 0;42790
 8; 3965.4; 07-MAY-2010 10:35:14; Bright; 36.5; 74; 11Bet Cas ; 2.27; 6600;occ; 73; 0;42790
 9; 4553.1; 07-MAY-2010 10:45:02; Dark ; 56.5; 93; 53Bet Peg ; 2.52; 3100;occ; 113; 0;42790
10; 4805.0; 07-MAY-2010 10:49:14; Dark ; 49.0; 90; 54Alp Peg ; 2.49; 11000;occ; 98; 0;42790
11; 5591.2; 07-MAY-2010 11:02:20; Dark ; 46.5; 18; 24Alp PsA ; 1.17; 9700;occ; 93; 0;42790
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13; 5941.3; 07-MAY-2010 11:08:10; Dark ; 43.0; 31; Alp Gru ; 1.73; 15200;occ; 86; 0;42790
14; 6276.1; 07-MAY-2010 11:13:45; Dark ; 40.5; 45; Alp Pav ; 1.94; 26000;occ; 81; 0;42791
15; 6726.1; 07-MAY-2010 11:21:15; Dark ; 41.5; 141; Bet Ara ; 2.84; 4600;occ; 83; 0;42791
16; 6858.3; 07-MAY-2010 11:23:27; Dark ; 52.0; 40; The Sco ; 1.86; 7100;occ; 104; 0;42791
17; 6968.3; 07-MAY-2010 11:25:17; Dark ; 25.0; 25; 35Lam Sco ; 1.62; 28000;occ; 50; 0;42791
18; 7135.0; 07-MAY-2010 11:28:04; Dark ; 54.5; 75; 26Eps Sco ; 2.29; 4250;occ; 109; 0;42791
19; 7372.2; 07-MAY-2010 11:32:01; Dark ; 39.0; 156; 20Sig Sco ; 2.90; 28000;occ; 78; 0;42791
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 3; 2416.0; 07-MAY-2010 11:50:01; Bright; 40.0; 83; ; 2.38; 11000;occ; 80; 0;42791
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 5; 2754.1; 07-MAY-2010 11:55:39; Bright; 39.0; 39; 85Eta UMa ; 1.85; 24000;occ; 78; 0;42791
 6; 3156.6; 07-MAY-2010 12:02:21; Bright; 45.0; 119; 14Eta Dra ; 2.73; 4700;occ; 90; 0;42791
 7; 3798.6; 07-MAY-2010 12:13:03; Bright; 51.0; 89; 5Alp Cep ; 2.45; 8000;occ; 102; 0;42791
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11; 5591.8; 07-MAY-2010 12:42:56; Dark ; 52.0; 18; 24Alp PsA ; 1.17; 9700;occ; 104; 0;42791
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15; 6277.2; 07-MAY-2010 14:34:58; Dark ; 42.5; 45; Alp Pav ; 1.94; 26000;occ; 85; 0;42793
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3; 2220.9; 10-MAY-2010 10:11:55; Bright; 37.5; 111; 8Eta Boo ; 2.68; 6000;occ; 75; 0;42833
4; 2402.2; 10-MAY-2010 10:14:56; Bright; 41.0; 83; ; 2.38; 11000;occ; 82; 0;42833
5; 2588.4; 10-MAY-2010 10:18:02; Bright; 39.5; 180; 27Gam Boo ; 3.04; 8000;occ; 79; 0;42833
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7; 3133.5; 10-MAY-2010 10:27:07; Bright; 44.5; 119; 14Eta Dra ; 2.73; 4700;occ; 89; 0;42833
8; 3783.3; 10-MAY-2010 10:37:57; Bright; 44.0; 89; 5Alp Cep ; 2.45; 8000;occ; 88; 0;42833
9; 3965.1; 10-MAY-2010 10:40:59; Bright; 35.0; 74; 11Bet Cas ; 2.27; 6600;occ; 70; 0;42833
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11; 4740.9; 10-MAY-2010 10:53:55; Dark ; 40.5; 140; 88Gam Peg ; 2.83; 26000;occ; 81; 0;42833
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13; 5619.1; 10-MAY-2010 11:08:33; Dark ; 43.5; 18; 24Alp PsA ; 1.17; 9700;occ; 87; 0;42833
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16; 5970.0; 10-MAY-2010 11:14:24; Dark ; 42.0; 31; Alp Gru ; 1.73; 15200;occ; 84; 0;42833
17; 6305.8; 10-MAY-2010 11:20:00; Dark ; 41.0; 45; Alp Pav ; 1.94; 26000;occ; 82; 0;42834
18; 6750.6; 10-MAY-2010 11:27:24; Dark ; 45.5; 141; Bet Ara ; 2.84; 4600;occ; 91; 0;42834
19; 6890.9; 10-MAY-2010 11:29:45; Dark ; 52.0; 40; The Sco ; 1.86; 7100;occ; 104; 0;42834
20; 7002.2; 10-MAY-2010 11:31:36; Dark ; 54.0; 25; 35Lam Sco ; 1.62; 28000;occ; 108; 0;42834
21; 7159.3; 10-MAY-2010 11:34:13; Dark ; 52.0; 75; 26Eps Sco ; 2.29; 4250;occ; 104; 0;42834
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23; 7471.7; 10-MAY-2010 11:39:25; Dark ; 62.5; 80; 7Del Sco ; 2.32; 30000;occ; 125; 0;42834
24; 7641.5; 10-MAY-2010 11:42:15; Bright; 40.5; 122; 9Alp2Lib ; 2.75; 9700;occ; 81; 0;42834

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3; 2221.1; 10-MAY-2010 11:52:31; Bright; 36.5; 111; 8Eta Boo ; 2.68; 6000;occ; 73; 0;42834
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8; 3782.9; 10-MAY-2010 12:18:33; Bright; 43.5; 89; 5Alp Cep ; 2.45; 8000;occ; 87; 0;42834
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22; 7358.9; 10-MAY-2010 13:18:09; Dark ; 63.5; 16; 21Alp Sco ; 1.02; 3000;occ; 127; 0;42835
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3; 2220.9; 10-MAY-2010 13:33:06; Bright; 35.0; 111; 8Eta Boo ; 2.68; 6000;occ; 70; 0;42835
4; 2401.7; 10-MAY-2010 13:36:07; Bright; 39.5; 83; ; 2.38; 11000;occ; 79; 0;42835
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7; 3782.3; 10-MAY-2010 13:59:08; Bright; 43.0; 89; 5Alp Cep ; 2.45; 8000;occ; 86; 0;42835
8; 3964.7; 10-MAY-2010 14:02:10; Bright; 54.0; 74; 11Bet Cas ; 2.27; 6600;occ; 108; 0;42835
9; 4562.3; 10-MAY-2010 14:12:08; Dark ; 52.0; 93; 53Bet Peg ; 2.52; 3100;occ; 104; 0;42835
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13; 5761.6; 10-MAY-2010 14:32:07; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;42835
14; 5892.1; 10-MAY-2010 14:34:18; Dark ; 56.0; 63; Bet Gru ; 2.15; 2800;occ; 112; 0;42835
15; 5971.1; 10-MAY-2010 14:35:37; Dark ; 43.5; 31; Alp Gru ; 1.73; 15200;occ; 87; 0;42835
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17; 6751.9; 10-MAY-2010 14:48:37; Dark ; 45.0; 141; Bet Ara ; 2.84; 4600;occ; 90; 0;42836
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19; 7004.0; 10-MAY-2010 14:52:50; Dark ; 56.5; 25; 35Lam Sco ; 1.62; 28000;occ; 113; 0;42836
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9; 3782.0; 10-MAY-2010 15:39:43; Bright; 44.0; 89; 5Alp Cep ; 2.45; 8000;occ; 88; 0;42836
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11; 4562.5; 10-MAY-2010 15:52:44; Dark ; 56.0; 93; 53Bet Peg ; 2.52; 3100;occ; 112; 0;42836
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13; 4824.2; 10-MAY-2010 15:57:06; Dark ; 51.0; 90; 54Alp Peg ; 2.49; 11000;occ; 102; 0;42836
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3; 1323.6; 10-MAY-2010 16:39:21; Dark ; 64.0; 16; 21Alp Sco ; 1.02; 3000;occ; 128; 0;42837
4; 1436.5; 10-MAY-2010 16:41:14; Dark ; 55.5; 80; 7Del Sco ; 2.32; 30000;occ; 111; 0;42837
5; 1606.2; 10-MAY-2010 16:44:04; Bright; 38.5; 122; 9Alp2Lib ; 2.75; 9700;occ; 77; 0;42837
6; 1725.2; 10-MAY-2010 16:46:03; Bright; 42.0; 104; 27Bet Lib ; 2.61; 13100;occ; 84; 0;42837
7; 2220.9; 10-MAY-2010 16:54:18; Bright; 37.0; 111; 8Eta Boo ; 2.68; 6000;occ; 74; 0;42837
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22; 6752.9; 10-MAY-2010 18:09:50; Dark ; 41.5; 141; Bet Ara ; 2.84; 4600;occ; 83; 0;42838
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8; 2587.2; 10-MAY-2010 18:41:01; Bright; 38.5; 180; 27Gam Boo ; 3.04; 8000;occ; 77; 0;42838
9; 2748.7; 10-MAY-2010 18:43:42; Bright; 38.0; 39; 85Eta UMa ; 1.85; 24000;occ; 76; 0;42838
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 21; 6318.5; 11-MAY-2010 19:11:35; Dark ; 44.0; 45; Alp Pav ; 1.94; 26000;occ; 88; 0;42853
 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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 3; -132.9; 11-MAY-2010 22:25:51; Dark ; 47.0; 63; Bet Gru ; 2.15; 2800;occ; 94; 0;42854
 4; -51.5; 11-MAY-2010 22:27:13; Dark ; 44.0; 31; Alp Gru ; 1.73; 15200;occ; 88; 0;42854
 5; 283.9; 11-MAY-2010 22:32:48; Dark ; 43.0; 45; Alp Pav ; 1.94; 26000;occ; 86; 0;42855
 6; 726.1; 11-MAY-2010 22:40:10; Dark ; 45.0; 141; Bet Ara ; 2.84; 4600;occ; 90; 0;42855
 7; 870.6; 11-MAY-2010 22:42:35; Dark ; 46.5; 40; The Sco ; 1.86; 7100;occ; 93; 0;42855
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 9; 1134.6; 11-MAY-2010 22:46:59; Dark ; 54.5; 75; 26Eps Sco ; 2.29; 4250;occ; 109; 0;42855
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 11; 1440.6; 11-MAY-2010 22:52:05; Dark ; 59.5; 80; 7Del Sco ; 2.32; 30000;occ; 119; 0;42855
 12; 1607.9; 11-MAY-2010 22:54:52; Bright; 39.5; 122; 9Alp2Lib ; 2.75; 9700;occ; 79; 0;42855
 13; 1725.3; 11-MAY-2010 22:56:50; Bright; 42.5; 104; 27Bet Lib ; 2.61; 13100;occ; 85; 0;42855
 14; 2237.3; 11-MAY-2010 23:05:22; Bright; 36.5; 3; 16Alp Boo ; -0.05; 4250;occ; 73; 0;42855
 15; 2396.1; 11-MAY-2010 23:08:00; Bright; 41.5; 83; ; 2.38; 11000;occ; 83; 0;42855
 16; 2582.4; 11-MAY-2010 23:11:07; Bright; 38.5; 180; 27Gam Boo ; 3.04; 8000;occ; 77; 0;42855
 17; 2747.4; 11-MAY-2010 23:13:52; Bright; 34.5; 39; 85Eta UMa ; 1.85; 24000;occ; 69; 0;42855
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 19; 3774.1; 11-MAY-2010 23:30:58; Bright; 45.0; 89; 5Alp Cep ; 2.45; 8000;occ; 90; 0;42855
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 22; 4746.7; 11-MAY-2010 23:47:11; Dark ; 39.5; 140; 88Gam Peg ; 2.83; 26000;occ; 79; 0;42855
 23; 4832.1; 11-MAY-2010 23:48:36; Dark ; 50.5; 90; 54Alp Peg ; 2.49; 11000;occ; 101; 0;42855

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 3; 1133.5; 11-MAY-2010 19:25:46; Dark ; 52.5; 75; 26Eps Sco ; 2.29; 4250;occ; 105; 0;42853
 4; 1329.2; 11-MAY-2010 19:29:02; Dark ; 69.0; 16; 21Alp Sco ; 1.02; 3000;occ; 138; 0;42853
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 7; 1725.4; 11-MAY-2010 19:35:38; Bright; 42.0; 104; 27Bet Lib ; 2.61; 13100;occ; 84; 0;42853
 8; 2237.3; 11-MAY-2010 19:44:10; Bright; 39.0; 3; 16Alp Boo ; -0.05; 4250;occ; 78; 0;42853
 9; 2396.5; 11-MAY-2010 19:46:49; Bright; 39.5; 83; ; 2.38; 11000;occ; 79; 0;42853
 10; 2583.0; 11-MAY-2010 19:49:56; Bright; 37.5; 180; 27Gam Boo ; 3.04; 8000;occ; 75; 0;42853
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 13; 3775.3; 11-MAY-2010 20:09:48; Bright; 43.0; 89; 5Alp Cep ; 2.45; 8000;occ; 86; 0;42853
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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
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 8; 982.7; 12-MAY-2010 00:25:03; Dark ; 60.0; 25; 35Lam Sco ; 1.62; 28000;occ; 120; 0;42856
 9; 1135.3; 12-MAY-2010 00:27:35; Dark ; 54.5; 75; 26Eps Sco ; 2.29; 4250;occ; 109; 0;42856
10; 1330.4; 12-MAY-2010 00:30:51; Dark ; 58.0; 16; 21Alp Sco ; 1.02; 3000;occ; 116; 0;42856
11; 1441.0; 12-MAY-2010 00:32:41; Dark ; 59.0; 80; 7Del Sco ; 2.32; 30000;occ; 118; 0;42856
12; 1608.2; 12-MAY-2010 00:35:28; Bright; 40.0; 122; 9Alp2Lib ; 2.75; 9700;occ; 80; 0;42856
13; 1725.4; 12-MAY-2010 00:37:26; Bright; 42.0; 104; 27Bet Lib ; 2.61; 13100;occ; 84; 0;42856
14; 2237.3; 12-MAY-2010 00:45:57; Bright; 38.0; 3; 16Alp Boo ; -0.05; 4250;occ; 76; 0;42856
15; 2395.7; 12-MAY-2010 00:48:36; Bright; 40.5; 83; ; 2.38; 11000;occ; 81; 0;42856
16; 2582.5; 12-MAY-2010 00:51:43; Bright; 38.0; 180; 27Gam Boo ; 3.04; 8000;occ; 76; 0;42856
17; 2747.5; 12-MAY-2010 00:54:28; Bright; 35.5; 39; 85Eta UMa ; 1.85; 24000;occ; 71; 0;42856
18; 3121.5; 12-MAY-2010 01:00:42; Bright; 43.5; 119; 14Eta Dra ; 2.73; 4700;occ; 87; 0;42856
19; 3773.6; 12-MAY-2010 01:11:34; Bright; 45.0; 89; 5Alp Cep ; 2.45; 8000;occ; 90; 0;42856
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21; 4566.2; 12-MAY-2010 01:24:46; Dark ; 63.5; 93; 53Bet Peg ; 2.52; 3100;occ; 127; 0;42856
22; 4746.9; 12-MAY-2010 01:27:47; Dark ; 40.5; 140; 88Gam Peg ; 2.83; 26000;occ; 81; 0;42856
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 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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 5; -1202.6; 12-MAY-2010 03:09:49; Dark ; 50.5; 90; 54Alp Peg ; 2.49; 11000;occ; 101; 0;42857
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10; 286.0; 12-MAY-2010 03:34:38; Dark ; 41.5; 45; Alp Pav ; 1.94; 26000;occ; 83; 0;42858
11; 727.8; 12-MAY-2010 03:42:00; Dark ; 42.0; 141; Bet Ara ; 2.84; 4600;occ; 84; 0;42858
12; 872.5; 12-MAY-2010 03:44:24; Dark ; 52.5; 40; The Sco ; 1.86; 7100;occ; 105; 0;42858
13; 984.5; 12-MAY-2010 03:46:16; Dark ; 56.5; 25; 35Lam Sco ; 1.62; 28000;occ; 113; 0;42858
14; 1136.3; 12-MAY-2010 03:48:48; Dark ; 50.0; 75; 26Eps Sco ; 2.29; 4250;occ; 100; 0;42858
15; 1331.4; 12-MAY-2010 03:52:03; Dark ; 68.0; 16; 21Alp Sco ; 1.02; 3000;occ; 136; 0;42858
16; 1441.4; 12-MAY-2010 03:53:53; Dark ; 59.0; 80; 7Del Sco ; 2.32; 30000;occ; 118; 0;42858
17; 1608.4; 12-MAY-2010 03:56:40; Bright; 38.0; 122; 9Alp2Lib ; 2.75; 9700;occ; 76; 0;42858
18; 1725.7; 12-MAY-2010 03:58:38; Bright; 42.0; 104; 27Bet Lib ; 2.61; 13100;occ; 84; 0;42858

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22; 2747.5; 12-MAY-2010 04:15:39; Bright; 35.5; 39; 85Eta UMa ; 1.85; 24000;occ; 71; 0;42858
23; 3120.6; 12-MAY-2010 04:21:52; Bright; 41.0; 119; 14Eta Dra ; 2.73; 4700;occ; 82; 0;42858
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11; 728.3; 12-MAY-2010 05:22:36; Dark ; 44.0; 141; Bet Ara ; 2.84; 4600;occ; 88; 0;42859
12; 873.3; 12-MAY-2010 05:25:01; Dark ; 53.5; 40; The Sco ; 1.86; 7100;occ; 107; 0;42859
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16; 1441.8; 12-MAY-2010 05:34:30; Dark ; 58.0; 80; 7Del Sco ; 2.32; 30000;occ; 116; 0;42859
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13; 985.4; 12-MAY-2010 07:07:29; Dark ; 53.5; 25; 35Lam Sco ; 1.62; 28000;occ; 107; 0;42860
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16; 1441.7; 12-MAY-2010 07:15:06; Dark ; 64.0; 80; 7Del Sco ; 2.32; 30000;occ; 128; 0;42860
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 9; 307.8; 14-MAY-2010 07:33:34; Dark ; 41.0; 45; Alp Pav ; 1.94; 26000;occ; 82; 0;42889
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 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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 6; 2575.6; 14-MAY-2010 08:11:21; Bright; 36.0; 180; 27Gam Boo ; 3.04; 8000;occ; 72; 0;42889
 7; 3105.1; 14-MAY-2010 08:20:11; Bright; 42.5; 119; 14Eta Dra ; 2.73; 4700;occ; 85; 0;42889
 8; 3760.4; 14-MAY-2010 08:31:06; Bright; 44.0; 89; 5Alp Cep ; 2.45; 8000;occ; 88; 0;42889
 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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 11; 4756.0; 14-MAY-2010 08:47:42; Dark ; 43.0; 140; 88Gam Peg ; 2.83; 26000;occ; 86; 0;42889
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 17; 6781.1; 14-MAY-2010 09:21:27; Dark ; 45.0; 141; Bet Ara ; 2.84; 4600;occ; 90; 0;42890
 18; 6930.7; 14-MAY-2010 09:23:57; Dark ; 52.0; 40; The Sco ; 1.86; 7100;occ; 104; 0;42890
 19; 7042.6; 14-MAY-2010 09:25:49; Dark ; 55.5; 25; 35Lam Sco ; 1.62; 28000;occ; 111; 0;42890
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 22; 7484.3; 14-MAY-2010 09:33:10; Dark ; 52.0; 80; 7Del Sco ; 2.32; 30000;occ; 104; 0;42890
 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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 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
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 18; 7043.1; 14-MAY-2010 11:06:25; Dark ; 53.5; 25; 35Lam Sco ; 1.62; 28000;occ; 107; 0;42891
 19; 7188.5; 14-MAY-2010 11:08:50; Dark ; 54.5; 75; 26Eps Sco ; 2.29; 4250;occ; 109; 0;42891
 20; 7378.3; 14-MAY-2010 11:12:00; Dark ; 60.5; 16; 21Alp Sco ; 1.02; 3000;occ; 121; 0;42891
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8; 3962.8; 14-MAY-2010 11:55:40; Bright; 50.5; 74; 11Bet Cas ; 2.27; 6600;occ; 101; 0;42891
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5; 2387.1; 14-MAY-2010 14:50:37; Bright; 38.0; 83; ; 2.38; 11000;occ; 76; 0;42893
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2; 1505.7; 15-MAY-2010 15:44:54; Bright; 45.0; 97; 8Bet1Sco ; 2.56; 30000;occ; 90; 0;42908
3; 1726.9; 15-MAY-2010 15:48:35; Bright; 41.0; 104; 27Bet Lib ; 2.61; 13100;occ; 82; 0;42908
4; 1858.5; 15-MAY-2010 15:50:47; Bright; 50.0; 120; 1Del Oph ; 2.73; 3200;occ; 100; 0;42908
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
7; 2571.6; 15-MAY-2010 16:02:40; Bright; 38.0; 180; 27Gam Boo ; 3.04; 8000;occ; 76; 0;42908
8; 3095.7; 15-MAY-2010 16:11:24; Bright; 43.5; 119; 14Eta Dra ; 2.73; 4700;occ; 87; 0;42908
9; 3752.0; 15-MAY-2010 16:22:20; Bright; 65.0; 89; 5Alp Cep ; 2.45; 8000;occ; 130; 0;42908
10; 3961.9; 15-MAY-2010 16:25:50; Bright; 55.0; 74; 11Bet Cas ; 2.27; 6600;occ; 110; 0;42908
11; 4577.6; 15-MAY-2010 16:36:06; Dark ; 58.0; 93; 53Bet Peg ; 2.52; 3100;occ; 116; 0;42908
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
15; 5822.1; 15-MAY-2010 16:56:51; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;42908
16; 6024.0; 15-MAY-2010 17:00:12; Dark ; 52.0; 31; Alp Gru ; 1.73; 15200;occ; 104; 0;42908
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
20; 7055.3; 15-MAY-2010 17:17:24; Dark ; 54.5; 25; 35Lam Sco ; 1.62; 28000;occ; 109; 0;42909
21; 7197.3; 15-MAY-2010 17:19:46; Dark ; 52.5; 75; 26Eps Sco ; 2.29; 4250;occ; 105; 0;42909
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2; 1348.1; 15-MAY-2010 17:22:53; Dark ; 64.0; 16; 21Alp Sco ; 1.02; 3000;occ; 128; 0;42909
3; 1506.0; 15-MAY-2010 17:25:30; Bright; 47.5; 97; 8Bet1Sco ; 2.56; 30000;occ; 95; 0;42909
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
11; 3961.5; 15-MAY-2010 18:06:26; Bright; 36.5; 74; 11Bet Cas ; 2.27; 6600;occ; 73; 0;42909
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
20; 6964.4; 15-MAY-2010 18:56:29; Dark ; 28.5; 38; 20Eps Sgr ; 1.84; 11000;occ; 57; 0;42910
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2; 1020.1; 15-MAY-2010 18:58:01; Dark ; 53.0; 25; 35Lam Sco ; 1.62; 28000;occ; 106; 0;42910
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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2; 1020.7; 15-MAY-2010 20:38:37; Dark ; 53.5; 25; 35Lam Sco ; 1.62; 28000;occ; 107; 0;42911
3; 1162.2; 15-MAY-2010 20:40:59; Dark ; 52.0; 75; 26Eps Sco ; 2.29; 4250;occ; 104; 0;42911
4; 1349.0; 15-MAY-2010 20:44:05; Dark ; 56.5; 16; 21Alp Sco ; 1.02; 3000;occ; 113; 0;42911
5; 1506.3; 15-MAY-2010 20:46:43; Bright; 45.5; 97; 8Bet1Sco ; 2.56; 30000;occ; 91; 0;42911
6; 1726.9; 15-MAY-2010 20:50:23; Bright; 41.0; 104; 27Bet Lib ; 2.61; 13100;occ; 82; 0;42911
7; 1857.7; 15-MAY-2010 20:52:34; Bright; 50.5; 120; 1Del Oph ; 2.73; 3200;occ; 101; 0;42911
8; 2048.5; 15-MAY-2010 20:55:45; Bright; 44.0; 102; 24Alp Ser ; 2.60; 4250;occ; 88; 0;42911
9; 2383.4; 15-MAY-2010 21:01:20; Bright; 40.0; 83; ; 2.38; 11000;occ; 80; 0;42911
10; 2571.2; 15-MAY-2010 21:04:28; Bright; 37.5; 180; 27Gam Boo ; 3.04; 8000;occ; 75; 0;42911
11; 3094.2; 15-MAY-2010 21:13:11; Bright; 42.0; 119; 14Eta Dra ; 2.73; 4700;occ; 84; 0;42911
12; 3750.7; 15-MAY-2010 21:24:07; Bright; 44.0; 89; 5Alp Cep ; 2.45; 8000;occ; 88; 0;42911
13; 3961.6; 15-MAY-2010 21:27:38; Bright; 37.5; 74; 11Bet Cas ; 2.27; 6600;occ; 75; 0;42911
14; 4513.5; 15-MAY-2010 21:36:50; Dark ; 44.0; 58; 21Alp And ; 2.07; 11000;occ; 88; 0;42911
15; 4762.1; 15-MAY-2010 21:40:59; Dark ; 44.5; 140; 88Gam Peg ; 2.83; 26000;occ; 89; 0;42911
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
3; -9.6; 15-MAY-2010 22:02:03; Dark ; 43.0; 31; Alp Gru ; 1.73; 15200;occ; 86; 0;42911
4; 324.3; 15-MAY-2010 22:07:37; Dark ; 42.0; 45; Alp Pav ; 1.94; 26000;occ; 84; 0;42912
5; 756.4; 15-MAY-2010 22:14:49; Dark ; 51.0; 141; Bet Ara ; 2.84; 4600;occ; 102; 0;42912
6; 930.6; 15-MAY-2010 22:17:43; Dark ; 30.0; 38; 20Eps Sgr ; 1.84; 11000;occ; 60; 0;42912
7; 1021.3; 15-MAY-2010 22:19:14; Dark ; 58.0; 25; 35Lam Sco ; 1.62; 28000;occ; 116; 0;42912
8; 1162.9; 15-MAY-2010 22:21:35; Dark ; 53.0; 75; 26Eps Sco ; 2.29; 4250;occ; 106; 0;42912
9; 1348.9; 15-MAY-2010 22:24:41; Dark ; 60.0; 16; 21Alp Sco ; 1.02; 3000;occ; 120; 0;42912
10; 1506.3; 15-MAY-2010 22:27:19; Bright; 45.5; 97; 8Bet1Sco ; 2.56; 30000;occ; 91; 0;42912
11; 1727.0; 15-MAY-2010 22:30:59; Bright; 39.5; 104; 27Bet Lib ; 2.61; 13100;occ; 79; 0;42912
12; 1857.4; 15-MAY-2010 22:33:10; Bright; 50.5; 120; 1Del Oph ; 2.73; 3200;occ; 101; 0;42912
13; 2048.0; 15-MAY-2010 22:36:20; Bright; 44.5; 102; 24Alp Ser ; 2.60; 4250;occ; 89; 0;42912
14; 2382.9; 15-MAY-2010 22:41:55; Bright; 40.0; 83; ; 2.38; 11000;occ; 80; 0;42912
15; 2571.3; 15-MAY-2010 22:45:04; Bright; 38.5; 180; 27Gam Boo ; 3.04; 8000;occ; 77; 0;42912
16; 3093.7; 15-MAY-2010 22:53:46; Bright; 61.0; 119; 14Eta Dra ; 2.73; 4700;occ; 122; 0;42912
17; 3750.1; 15-MAY-2010 23:04:42; Bright; 44.0; 89; 5Alp Cep ; 2.45; 8000;occ; 88; 0;42912
18; 3961.8; 15-MAY-2010 23:08:14; Bright; 55.0; 74; 11Bet Cas ; 2.27; 6600;occ; 110; 0;42912
19; 4513.6; 15-MAY-2010 23:17:26; Dark ; 45.0; 58; 21Alp And ; 2.07; 11000;occ; 90; 0;42912
20; 4762.6; 15-MAY-2010 23:21:35; Dark ; 44.0; 140; 88Gam Peg ; 2.83; 26000;occ; 88; 0;42912
21; 4860.1; 15-MAY-2010 23:23:12; Dark ; 52.5; 90; 54Alp Peg ; 2.49; 11000;occ; 105; 0;42912

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3; -8.9; 15-MAY-2010 23:42:39; Dark ; 47.5; 31; Alp Gru ; 1.73; 15200;occ; 95; 0;42912
4; 324.4; 15-MAY-2010 23:48:13; Dark ; 51.0; 45; Alp Pav ; 1.94; 26000;occ; 102; 0;42913
5; 756.8; 15-MAY-2010 23:55:25; Dark ; 43.5; 141; Bet Ara ; 2.84; 4600;occ; 87; 0;42913
6; 931.6; 15-MAY-2010 23:58:20; Dark ; 30.0; 38; 20Eps Sgr ; 1.84; 11000;occ; 60; 0;42913
7; 1022.1; 15-MAY-2010 23:59:50; Dark ; 54.0; 25; 35Lam Sco ; 1.62; 28000;occ; 108; 0;42913
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

11; 1727.3; 16-MAY-2010 00:11:35; Bright; 40.0; 104; 27Bet Lib ; 2.61; 13100;occ; 80; 0;42913
 12; 1857.3; 16-MAY-2010 00:13:45; Bright; 50.0; 120; 1Del Oph ; 2.73; 3200;occ; 100; 0;42913
 13; 2047.9; 16-MAY-2010 00:16:56; Bright; 44.5; 102; 24Alp Ser ; 2.60; 4250;occ; 89; 0;42913
 14; 2383.2; 16-MAY-2010 00:22:31; Bright; 37.0; 83; ; 2.38; 11000;occ; 74; 0;42913
 15; 2570.9; 16-MAY-2010 00:25:39; Bright; 38.0; 180; 27Gam Boo ; 3.04; 8000;occ; 76; 0;42913
 16; 3092.9; 16-MAY-2010 00:34:21; Bright; 43.0; 119; 14Eta Dra ; 2.73; 4700;occ; 86; 0;42913
 17; 3749.7; 16-MAY-2010 00:45:18; Bright; 46.0; 89; 5Alp Cep ; 2.45; 8000;occ; 92; 0;42913
 18; 3961.8; 16-MAY-2010 00:48:50; Bright; 38.5; 74; 11Bet Cas ; 2.27; 6600;occ; 77; 0;42913
 19; 4514.0; 16-MAY-2010 00:58:02; Dark ; 44.0; 58; 21Alp And ; 2.07; 11000;occ; 88; 0;42913
 20; 4763.0; 16-MAY-2010 01:02:11; Dark ; 43.5; 140; 88Gam Peg ; 2.83; 26000;occ; 87; 0;42913
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 5; 757.2; 16-MAY-2010 01:36:01; Dark ; 46.0; 141; Bet Ara ; 2.84; 4600;occ; 92; 0;42914
 6; 932.4; 16-MAY-2010 01:38:56; Dark ; 32.0; 38; 20Eps Sgr ; 1.84; 11000;occ; 64; 0;42914
 7; 1022.8; 16-MAY-2010 01:40:27; Dark ; 53.0; 25; 35Lam Sco ; 1.62; 28000;occ; 106; 0;42914
 8; 1163.7; 16-MAY-2010 01:42:48; Dark ; 54.5; 75; 26Eps Sco ; 2.29; 4250;occ; 109; 0;42914
 9; 1349.7; 16-MAY-2010 01:45:54; Dark ; 57.5; 16; 21Alp Sco ; 1.02; 3000;occ; 115; 0;42914
 10; 1506.8; 16-MAY-2010 01:48:31; Bright; 59.0; 97; 8Bet1Sco ; 2.56; 30000;occ; 118; 0;42914
 11; 1727.1; 16-MAY-2010 01:52:11; Bright; 40.0; 104; 27Bet Lib ; 2.61; 13100;occ; 80; 0;42914
 12; 1857.1; 16-MAY-2010 01:54:21; Bright; 49.5; 120; 1Del Oph ; 2.73; 3200;occ; 99; 0;42914
 13; 2047.7; 16-MAY-2010 01:57:32; Bright; 44.5; 102; 24Alp Ser ; 2.60; 4250;occ; 89; 0;42914
 14; 2382.8; 16-MAY-2010 02:03:07; Bright; 38.5; 83; ; 2.38; 11000;occ; 77; 0;42914
 15; 2570.8; 16-MAY-2010 02:06:15; Bright; 54.0; 180; 27Gam Boo ; 3.04; 8000;occ; 108; 0;42914
 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
 19; 4514.3; 16-MAY-2010 02:38:38; Dark ; 44.5; 58; 21Alp And ; 2.07; 11000;occ; 89; 0;42914
 20; 4763.2; 16-MAY-2010 02:42:47; Dark ; 43.5; 140; 88Gam Peg ; 2.83; 26000;occ; 87; 0;42914
 21; 4861.5; 16-MAY-2010 02:44:25; Dark ; 56.0; 90; 54Alp Peg ; 2.49; 11000;occ; 112; 0;42914
 22; 5678.8; 16-MAY-2010 02:58:03; Dark ; 47.0; 18; 24Alp PsA ; 1.17; 9700;occ; 94; 0;42914
 23; 5827.3; 16-MAY-2010 03:00:31; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;42914
 24; 6028.7; 16-MAY-2010 03:03:53; Dark ; 43.5; 31; Alp Gru ; 1.73; 15200;occ; 87; 0;42914
 25; 6361.8; 16-MAY-2010 03:09:26; Dark ; 42.0; 45; Alp Pav ; 1.94; 26000;occ; 84; 0;42915
 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
 28; 7059.2; 16-MAY-2010 03:21:03; Dark ; 56.0; 25; 35Lam Sco ; 1.62; 28000;occ; 112; 0;42915
 29; 7200.0; 16-MAY-2010 03:23:24; Dark ; 55.0; 75; 26Eps Sco ; 2.29; 4250;occ; 110; 0;42915
 30; 7386.2; 16-MAY-2010 03:26:30; Dark ; 56.0; 16; 21Alp Sco ; 1.02; 3000;occ; 112; 0;42915
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 32; 7763.0; 16-MAY-2010 03:32:47; Bright; 41.0; 104; 27Bet Lib ; 2.61; 13100;occ; 82; 0;42915
 33; 7893.0; 16-MAY-2010 03:34:57; Bright; 50.5; 120; 1Del Oph ; 2.73; 3200;occ; 101; 0;42915
 34; 8083.1; 16-MAY-2010 03:38:07; Bright; 44.5; 102; 24Alp Ser ; 2.60; 4250;occ; 89; 0;42915
 35; 8418.5; 16-MAY-2010 03:43:42; Bright; 41.0; 83; ; 2.38; 11000;occ; 82; 0;42915
 36; 8606.8; 16-MAY-2010 03:46:51; Bright; 36.5; 180; 27Gam Boo ; 3.04; 8000;occ; 73; 0;42915

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 6; 3083.0; 17-MAY-2010 13:27:21; Bright; 40.0; 119; 14Eta Dra ; 2.73; 4700;occ; 80; 0;42935
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 5; 2379.1; 17-MAY-2010 14:56:13; Bright; 37.5; 83; ; 2.38; 11000;occ; 75; 0;42936
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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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 6; 3174.7; 21-MAY-2010 13:03:01; Bright; 38.0; 60; 7Bet UMi ; 2.08; 3950;occ; 76; 0;42992
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 4; 1374.0; 21-MAY-2010 20:56:00; Dark ; 52.5; 16; 21Alp Sco ; 1.02; 3000;occ; 105; 0;42997
 5; 1520.4; 21-MAY-2010 20:58:26; Bright; 42.5; 97; 8Bet1Sco ; 2.56; 30000;occ; 85; 0;42997
 6; 1732.1; 21-MAY-2010 21:01:58; Bright; 38.5; 104; 27Bet Lib ; 2.61; 13100;occ; 77; 0;42997
 7; 1843.3; 21-MAY-2010 21:03:49; Bright; 45.0; 120; 1Del Oph ; 2.73; 3200;occ; 90; 0;42997
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16; 4789.8; 21-MAY-2010 21:52:56; Dark ; 45.5; 140; 88Gam Peg ; 2.83; 26000;occ; 91; 0;42997
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 5; 385.0; 21-MAY-2010 22:20:07; Dark ; 45.5; 45; Alp Pav ; 1.94; 26000;occ; 91; 0;42998
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16; 2561.3; 21-MAY-2010 22:56:23; Bright; 37.5; 180; 27Gam Boo ; 3.04; 8000;occ; 75; 0;42998
17; 3055.8; 21-MAY-2010 23:04:38; Bright; 41.5; 119; 14Eta Dra ; 2.73; 4700;occ; 83; 0;42998

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21; 4528.1; 21-MAY-2010 23:29:10; Dark ; 48.0; 58; 21Alp And ; 2.07; 11000;occ; 96; 0;42998
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13; 1843.0; 22-MAY-2010 00:25:01; Bright; 45.0; 120; 1Del Oph ; 2.73; 3200;occ; 90; 0;42999
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15; 2371.3; 22-MAY-2010 00:33:49; Bright; 36.0; 83; ; 2.38; 11000;occ; 72; 0;42999
16; 2561.1; 22-MAY-2010 00:36:59; Bright; 35.5; 180; 27Gam Boo ; 3.04; 8000;occ; 71; 0;42999
17; 3055.3; 22-MAY-2010 00:45:13; Bright; 41.0; 119; 14Eta Dra ; 2.73; 4700;occ; 82; 0;42999
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 6; 799.0; 22-MAY-2010 01:48:13; Dark ; 42.0; 141; Bet Ara ; 2.84; 4600;occ; 84; 0;43000
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 8; 1074.1; 22-MAY-2010 01:52:48; Dark ; 49.5; 25; 35Lam Sco ; 1.62; 28000;occ; 99; 0;43000
 9; 1200.4; 22-MAY-2010 01:54:54; Dark ; 48.0; 75; 26Eps Sco ; 2.29; 4250;occ; 96; 0;43000
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13; 1843.1; 22-MAY-2010 02:05:37; Bright; 46.0; 120; 1Del Oph ; 2.73; 3200;occ; 92; 0;43000
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15; 2371.5; 22-MAY-2010 02:14:25; Bright; 35.5; 83; ; 2.38; 11000;occ; 71; 0;43000
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17; 3055.2; 22-MAY-2010 02:25:49; Bright; 39.0; 119; 14Eta Dra ; 2.73; 4700;occ; 78; 0;43000
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12; 1374.9; 22-MAY-2010 03:38:24; Dark ; 61.0; 16; 21Alp Sco ; 1.02; 3000;occ; 122; 0;43001
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14; 1732.3; 22-MAY-2010 03:44:22; Bright; 38.5; 104; 27Bet Lib ; 2.61; 13100;occ; 77; 0;43001
15; 1843.1; 22-MAY-2010 03:46:13; Bright; 45.0; 120; 1Del Oph ; 2.73; 3200;occ; 90; 0;43001
16; 2028.5; 22-MAY-2010 03:49:18; Bright; 40.5; 102; 24Alp Ser ; 2.60; 4250;occ; 81; 0;43001
17; 2371.5; 22-MAY-2010 03:55:01; Bright; 36.5; 83; ; 2.38; 11000;occ; 73; 0;43001
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19; 3054.8; 22-MAY-2010 04:06:24; Bright; 41.0; 119; 14Eta Dra ; 2.73; 4700;occ; 82; 0;43001
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 17; 2371.5; 22-MAY-2010 05:35:37; Bright; 53.0; 83; ; 2.38; 11000;occ; 106; 0;43002
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 19; 3054.1; 22-MAY-2010 05:47:00; Bright; 41.5; 119; 14Eta Dra ; 2.73; 4700;occ; 83; 0;43002
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 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
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 16; 6425.3; 22-MAY-2010 08:23:47; Dark ; 43.0; 45; Alp Pav ; 1.94; 26000;occ; 86; 0;43004
 17; 6836.9; 22-MAY-2010 08:30:38; Dark ; 45.5; 141; Bet Ara ; 2.84; 4600;occ; 91; 0;43004
 18; 7001.3; 22-MAY-2010 08:33:23; Dark ; 49.0; 40; The Sco ; 1.86; 7100;occ; 98; 0;43004
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 22; 7557.4; 22-MAY-2010 08:42:39; Bright; 43.0; 97; 8Bet1Sco ; 2.56; 30000;occ; 86; 0;43004
 23; 7769.1; 22-MAY-2010 08:46:11; Bright; 37.5; 104; 27Bet Lib ; 2.61; 13100;occ; 75; 0;43004

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 3; 2027.9; 22-MAY-2010 08:51:05; Bright; 40.5; 102; 24Alp Ser ; 2.60; 4250;occ; 81; 0;43004
 4; 2371.1; 22-MAY-2010 08:56:49; Bright; 38.5; 83; ; 2.38; 11000;occ; 77; 0;43004
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 13; 5912.8; 22-MAY-2010 09:55:50; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;43004
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 16; 6425.8; 22-MAY-2010 10:04:23; Dark ; 42.5; 45; Alp Pav ; 1.94; 26000;occ; 85; 0;43005
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 3; 2027.4; 22-MAY-2010 10:31:41; Bright; 40.5; 102; 24Alp Ser ; 2.60; 4250;occ; 81; 0;43005
 4; 2371.1; 22-MAY-2010 10:37:24; Bright; 36.5; 83; ; 2.38; 11000;occ; 73; 0;43005
 5; 2560.8; 22-MAY-2010 10:40:34; Bright; 36.5; 180; 27Gam Boo ; 3.04; 8000;occ; 73; 0;43005
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 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
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 16; 6426.4; 22-MAY-2010 11:45:00; Dark ; 41.5; 45; Alp Pav ; 1.94; 26000;occ; 83; 0;43006
 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
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 21; 7412.0; 22-MAY-2010 12:01:25; Dark ; 55.0; 16; 21Alp Sco ; 1.02; 3000;occ; 110; 0;43006
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 4; 2371.0; 22-MAY-2010 12:18:00; Bright; 40.5; 83; ; 2.38; 11000;occ; 81; 0;43006
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 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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14; 6003.3; 22-MAY-2010 13:18:32; Dark ; 48.5; 63; Bet Gru ; 2.15; 2800;occ; 97; 0;43006
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16; 6426.9; 22-MAY-2010 13:25:36; Dark ; 41.5; 45; Alp Pav ; 1.94; 26000;occ; 83; 0;43007
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3; 1842.1; 22-MAY-2010 13:49:47; Bright; 44.5; 120; 1Del Oph ; 2.73; 3200;occ; 89; 0;43007
4; 2027.3; 22-MAY-2010 13:52:52; Bright; 40.5; 102; 24Alp Ser ; 2.60; 4250;occ; 81; 0;43007
5; 2371.2; 22-MAY-2010 13:58:36; Bright; 40.0; 83; ; 2.38; 11000;occ; 80; 0;43007
6; 2561.0; 22-MAY-2010 14:01:46; Bright; 37.0; 180; 27Gam Boo ; 3.04; 8000;occ; 74; 0;43007
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9; 3937.1; 22-MAY-2010 14:24:42; Bright; 37.5; 76; 27Gam Cas ; 2.30; 30000;occ; 75; 0;43007
10; 4009.5; 22-MAY-2010 14:25:55; Bright; 52.0; 68; 18Alp Cas ; 2.22; 4500;occ; 104; 0;43007
11; 4529.9; 22-MAY-2010 14:34:35; Dark ; 48.5; 58; 21Alp And ; 2.07; 11000;occ; 97; 0;43007
12; 4793.8; 22-MAY-2010 14:38:59; Dark ; 46.5; 140; 88Gam Peg ; 2.83; 26000;occ; 93; 0;43007
13; 5761.5; 22-MAY-2010 14:55:07; Dark ; 50.0; 18; 24Alp PsA ; 1.17; 9700;occ; 100; 0;43007
14; 5915.9; 22-MAY-2010 14:57:41; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;43007
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13; 4794.0; 22-MAY-2010 16:19:35; Dark ; 44.5; 140; 88Gam Peg ; 2.83; 26000;occ; 89; 0;43008
14; 5762.2; 22-MAY-2010 16:35:43; Dark ; 54.0; 18; 24Alp PsA ; 1.17; 9700;occ; 108; 0;43008
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17; 6108.1; 23-MAY-2010 17:50:28; Dark ; 48.5; 172; Gam Gru ; 3.00; 13100;occ; 97; 0;43024
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 4; 404.7; 23-MAY-2010 21:17:13; Dark ; 43.0; 45; Alp Pav ; 1.94; 26000;occ; 86; 0;43026
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16; 3936.5; 23-MAY-2010 22:16:04; Bright; 37.5; 76; 27Gam Cas ; 2.30; 30000;occ; 75; 0;43026
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 16; 3171.9; 23-MAY-2010 23:43:56; Bright; 38.0; 60; 7Bet UMi ; 2.08; 3950;occ; 76; 0;43027
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 6; 978.6; 24-MAY-2010 00:47:58; Dark ; 53.0; 40; The Sco ; 1.86; 7100;occ; 106; 0;43028
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 16; 3171.7; 24-MAY-2010 01:24:31; Bright; 36.5; 60; 7Bet UMi ; 2.08; 3950;occ; 73; 0;43028
 17; 3936.5; 24-MAY-2010 01:37:16; Bright; 50.0; 76; 27Gam Cas ; 2.30; 30000;occ; 100; 0;43028
 18; 4008.4; 24-MAY-2010 01:38:28; Bright; 55.0; 68; 18Alp Cas ; 2.22; 4500;occ; 110; 0;43028
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 5; 406.7; 24-MAY-2010 02:19:02; Dark ; 42.0; 45; Alp Pav ; 1.94; 26000;occ; 84; 0;43029
 6; 812.0; 24-MAY-2010 02:25:47; Dark ; 43.0; 141; Bet Ara ; 2.84; 4600;occ; 86; 0;43029
 7; 979.2; 24-MAY-2010 02:28:35; Dark ; 49.5; 40; The Sco ; 1.86; 7100;occ; 99; 0;43029
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 12; 1734.4; 24-MAY-2010 02:41:10; Bright; 15.0; 104; 27Bet Lib ; 2.61; 13100;occ; 30; 0;43029
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 5; -1234.2; 24-MAY-2010 03:32:17; Dark ; 46.5; 140; 88Gam Peg ; 2.83; 26000;occ; 93; 0;43029

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4; 95.3; 24-MAY-2010 22:21:02; Dark ; 42.5; 31; Alp Gru ; 1.73; 15200;occ; 85; 0;43041
5; 415.2; 24-MAY-2010 22:26:22; Dark ; 44.5; 45; Alp Pav ; 1.94; 26000;occ; 89; 0;43041
6; 817.2; 24-MAY-2010 22:33:04; Dark ; 42.5; 141; Bet Ara ; 2.84; 4600;occ; 85; 0;43041
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9; 1215.7; 24-MAY-2010 22:39:42; Dark ; 46.5; 75; 26Eps Sco ; 2.29; 4250;occ; 93; 0;43041
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22; 4806.1; 24-MAY-2010 23:39:33; Dark ; 47.5; 140; 88Gam Peg ; 2.83; 26000;occ; 95; 0;43041
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 5; 415.9; 25-MAY-2010 00:06:58; Dark ; 42.0; 45; Alp Pav ; 1.94; 26000;occ; 84; 0;43042
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 7; -250.9; 24-MAY-2010 07:09:52; Dark ; 53.5; 18; 24Alp PsA ; 1.17; 9700;occ; 107; 0;43031
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 9; 87.5; 24-MAY-2010 07:15:31; Dark ; 44.0; 31; Alp Gru ; 1.73; 15200;occ; 88; 0;43032
10; 408.9; 24-MAY-2010 07:20:52; Dark ; 41.5; 45; Alp Pav ; 1.94; 26000;occ; 83; 0;43032
11; 813.4; 24-MAY-2010 07:27:37; Dark ; 49.5; 141; Bet Ara ; 2.84; 4600;occ; 99; 0;43032
12; 980.9; 24-MAY-2010 07:30:24; Dark ; 48.5; 40; The Sco ; 1.86; 7100;occ; 97; 0;43032
13; 1091.3; 24-MAY-2010 07:32:15; Dark ; 48.5; 25; 35Lam Sco ; 1.62; 28000;occ; 97; 0;43032
14; 1212.3; 24-MAY-2010 07:34:16; Dark ; 45.5; 75; 26Eps Sco ; 2.29; 4250;occ; 91; 0;43032
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 3; 2023.5; 24-MAY-2010 07:47:47; Bright; 40.5; 102; 24Alp Ser ; 2.60; 4250;occ; 81; 0;43032
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 7; 3936.7; 24-MAY-2010 08:19:40; Bright; 38.0; 76; 27Gam Cas ; 2.30; 30000;occ; 76; 0;43032
 8; 4008.2; 24-MAY-2010 08:20:51; Bright; 38.0; 68; 18Alp Cas ; 2.22; 4500;occ; 76; 0;43032
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10; 4534.3; 24-MAY-2010 08:29:38; Dark ; 49.0; 58; 21Alp And ; 2.07; 11000;occ; 98; 0;43032
11; 4802.7; 24-MAY-2010 08:34:06; Dark ; 45.0; 140; 88Gam Peg ; 2.83; 26000;occ; 90; 0;43032
12; 5332.1; 24-MAY-2010 08:42:55; Dark ; 48.0; 52; 16Bet Cet ; 2.04; 4500;occ; 96; 0;43032
13; 5785.9; 24-MAY-2010 08:50:29; Dark ; 53.5; 18; 24Alp PsA ; 1.17; 9700;occ; 107; 0;43032
14; 5881.2; 24-MAY-2010 08:52:05; Dark ; 43.5; 0; ; 0.00; 0;occ; 87; 0;43032

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 17; 6445.4; 24-MAY-2010 09:01:29; Dark ; 41.0; 45; Alp Pav ; 1.94; 26000;occ; 82; 0;43033
 18; 6850.0; 24-MAY-2010 09:08:13; Dark ; 43.0; 141; Bet Ara ; 2.84; 4600;occ; 86; 0;43033
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 23; 7562.1; 24-MAY-2010 09:20:05; Bright; 43.0; 97; 8Bet1Sco ; 2.56; 30000;occ; 86; 0;43033
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 9; 4381.8; 24-MAY-2010 10:07:41; Bright; 38.5; 53; 43Bet And ; 2.05; 3300;occ; 77; 0;43033
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 11; 4803.3; 24-MAY-2010 10:14:43; Dark ; 46.5; 140; 88Gam Peg ; 2.83; 26000;occ; 93; 0;43033
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 5; 2369.5; 24-MAY-2010 14:35:56; Bright; 38.5; 83; ; 2.38; 11000;occ; 77; 0;43036
 6; 3041.0; 24-MAY-2010 14:47:08; Bright; 41.0; 119; 14Eta Dra ; 2.73; 4700;occ; 82; 0;43036
 7; 3171.4; 24-MAY-2010 14:49:18; Bright; 37.0; 60; 7Bet UMi ; 2.08; 3950;occ; 74; 0;43036
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 14; 5862.2; 24-MAY-2010 15:34:09; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;43036
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 16; 6127.7; 24-MAY-2010 15:38:35; Dark ; 44.5; 31; Alp Gru ; 1.73; 15200;occ; 89; 0;43037
 17; 6448.4; 24-MAY-2010 15:43:55; Dark ; 43.5; 45; Alp Pav ; 1.94; 26000;occ; 87; 0;43037
 18; 6851.5; 24-MAY-2010 15:50:38; Dark ; 43.0; 141; Bet Ara ; 2.84; 4600;occ; 86; 0;43037
 19; 7019.5; 24-MAY-2010 15:53:26; Dark ; 48.5; 40; The Sco ; 1.86; 7100;occ; 97; 0;43037
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 4; 1839.1; 24-MAY-2010 16:07:42; Bright; 44.5; 120; 1Del Oph ; 2.73; 3200;occ; 89; 0;43037
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 8; 3936.3; 24-MAY-2010 16:42:39; Bright; 54.0; 76; 27Gam Cas ; 2.30; 30000;occ; 108; 0;43037
 9; 4008.0; 24-MAY-2010 16:43:51; Bright; 55.0; 68; 18Alp Cas ; 2.22; 4500;occ; 110; 0;43037
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 11; 4535.0; 24-MAY-2010 16:52:38; Dark ; 49.5; 58; 21Alp And ; 2.07; 11000;occ; 99; 0;43037
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 16; 6128.7; 24-MAY-2010 17:19:12; Dark ; 43.5; 31; Alp Gru ; 1.73; 15200;occ; 87; 0;43038
 17; 6449.0; 24-MAY-2010 17:24:32; Dark ; 42.0; 45; Alp Pav ; 1.94; 26000;occ; 84; 0;43038
 18; 6852.2; 24-MAY-2010 17:31:15; Dark ; 41.5; 141; Bet Ara ; 2.84; 4600;occ; 83; 0;43038
 19; 7019.9; 24-MAY-2010 17:34:03; Dark ; 49.0; 40; The Sco ; 1.86; 7100;occ; 98; 0;43038

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 3; 1214.6; 24-MAY-2010 17:37:53; Dark ; 48.5; 75; 26Eps Sco ; 2.29; 4250;occ; 97; 0;43038
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 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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 13; 4007.9; 24-MAY-2010 18:24:27; Bright; 53.0; 68; 18Alp Cas ; 2.22; 4500;occ; 106; 0;43038
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21; 6450.0; 24-MAY-2010 19:05:09; Dark ; 41.0; 45; Alp Pav ; 1.94; 26000;occ; 82; 0;43039
22; 6852.5; 24-MAY-2010 19:11:51; Dark ; 47.0; 141; Bet Ara ; 2.84; 4600;occ; 94; 0;43039
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 5; 1527.1; 24-MAY-2010 19:23:42; Bright; 41.5; 97; 8Bet1Sco ; 2.56; 30000;occ; 83; 0;43039
 6; 1735.6; 24-MAY-2010 19:27:10; Bright; 38.0; 104; 27Bet Lib ; 2.61; 13100;occ; 76; 0;43039
 7; 1838.9; 24-MAY-2010 19:28:54; Bright; 43.5; 120; 1Del Oph ; 2.73; 3200;occ; 87; 0;43039
 8; 2022.6; 24-MAY-2010 19:31:57; Bright; 39.5; 102; 24Alp Ser ; 2.60; 4250;occ; 79; 0;43039
 9; 2369.6; 24-MAY-2010 19:37:44; Bright; 35.5; 83; ; 2.38; 11000;occ; 71; 0;43039
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13; 4007.8; 24-MAY-2010 20:05:03; Bright; 35.5; 68; 18Alp Cas ; 2.22; 4500;occ; 71; 0;43039
14; 4382.5; 24-MAY-2010 20:11:17; Bright; 39.0; 53; 43Bet And ; 2.05; 3300;occ; 78; 0;43039
15; 4535.6; 24-MAY-2010 20:13:50; Dark ; 48.0; 58; 21Alp And ; 2.07; 11000;occ; 96; 0;43039
16; 4805.2; 24-MAY-2010 20:18:20; Dark ; 47.0; 140; 88Gam Peg ; 2.83; 26000;occ; 94; 0;43039
17; 5335.5; 24-MAY-2010 20:27:10; Dark ; 48.5; 52; 16Bet Cet ; 2.04; 4500;occ; 97; 0;43039
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20; 6130.5; 24-MAY-2010 20:40:25; Dark ; 43.5; 31; Alp Gru ; 1.73; 15200;occ; 87; 0;43040
21; 6450.5; 24-MAY-2010 20:45:45; Dark ; 42.5; 45; Alp Pav ; 1.94; 26000;occ; 85; 0;43040
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 4; 96.7; 25-MAY-2010 01:42:15; Dark ; 44.0; 31; Alp Gru ; 1.73; 15200;occ; 88; 0;43043
 5; 416.4; 25-MAY-2010 01:47:35; Dark ; 42.0; 45; Alp Pav ; 1.94; 26000;occ; 84; 0;43043
 6; 818.1; 25-MAY-2010 01:54:16; Dark ; 43.0; 141; Bet Ara ; 2.84; 4600;occ; 86; 0;43043
 7; 986.4; 25-MAY-2010 01:57:05; Dark ; 47.5; 40; The Sco ; 1.86; 7100;occ; 95; 0;43043
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 9; 1216.4; 25-MAY-2010 02:00:55; Dark ; 51.0; 75; 26Eps Sco ; 2.29; 4250;occ; 102; 0;43043
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12; 1736.0; 25-MAY-2010 02:09:34; Bright; 36.5; 104; 27Bet Lib ; 2.61; 13100;occ; 73; 0;43043
13; 1838.6; 25-MAY-2010 02:11:17; Bright; 44.5; 120; 1Del Oph ; 2.73; 3200;occ; 89; 0;43043
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15; 2369.1; 25-MAY-2010 02:20:07; Bright; 39.5; 83; ; 2.38; 11000;occ; 79; 0;43043
16; 3038.3; 25-MAY-2010 02:31:17; Bright; 37.5; 119; 14Eta Dra ; 2.73; 4700;occ; 75; 0;43043
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 9; 97.7; 25-MAY-2010 03:22:52; Dark ; 43.5; 31; Alp Gru ; 1.73; 15200;occ; 87; 0;43044
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14; 1216.6; 25-MAY-2010 03:41:31; Dark ; 46.5; 75; 26Eps Sco ; 2.29; 4250;occ; 93; 0;43044
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16; 1527.8; 25-MAY-2010 03:46:42; Bright; 43.0; 97; 8Bet1Sco ; 2.56; 30000;occ; 86; 0;43044
17; 1736.1; 25-MAY-2010 03:50:10; Bright; 38.0; 104; 27Bet Lib ; 2.61; 13100;occ; 76; 0;43044

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 3; 4.0; 25-MAY-2010 23:28:29; Dark ; 45.5; 63; Bet Gru ; 2.15; 2800;occ; 91; 0;43055
 4; 108.3; 25-MAY-2010 23:30:14; Dark ; 43.5; 31; Alp Gru ; 1.73; 15200;occ; 87; 0;43056
 5; 425.7; 25-MAY-2010 23:35:31; Dark ; 42.0; 45; Alp Pav ; 1.94; 26000;occ; 84; 0;43056
 6; 823.9; 25-MAY-2010 23:42:09; Dark ; 41.5; 141; Bet Ara ; 2.84; 4600;occ; 83; 0;43056
 7; 993.2; 25-MAY-2010 23:44:59; Dark ; 48.5; 40; The Sco ; 1.86; 7100;occ; 97; 0;43056
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 9; 1221.1; 25-MAY-2010 23:48:47; Dark ; 47.0; 75; 26Eps Sco ; 2.29; 4250;occ; 94; 0;43056
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12; 1737.0; 25-MAY-2010 23:57:22; Bright; 37.5; 104; 27Bet Lib ; 2.61; 13100;occ; 75; 0;43056
13; 1837.7; 25-MAY-2010 23:59:03; Bright; 42.5; 120; 1Del Oph ; 2.73; 3200;occ; 85; 0;43056
14; 2020.3; 26-MAY-2010 00:02:06; Bright; 39.5; 102; 24Alp Ser ; 2.60; 4250;occ; 79; 0;43056
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16; 3033.6; 26-MAY-2010 00:18:59; Bright; 36.5; 119; 14Eta Dra ; 2.73; 4700;occ; 73; 0;43056
17; 3170.0; 26-MAY-2010 00:21:15; Bright; 37.5; 60; 7Bet UMi ; 2.08; 3950;occ; 75; 0;43056
18; 3935.3; 26-MAY-2010 00:34:01; Bright; 54.0; 76; 27Gam Cas ; 2.30; 30000;occ; 108; 0;43056
19; 4006.8; 26-MAY-2010 00:35:12; Bright; 38.5; 68; 18Alp Cas ; 2.22; 4500;occ; 77; 0;43056
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21; 4538.7; 26-MAY-2010 00:44:04; Dark ; 49.0; 58; 21Alp And ; 2.07; 11000;occ; 98; 0;43056
22; 4811.9; 26-MAY-2010 00:48:37; Dark ; 44.5; 140; 88Gam Peg ; 2.83; 26000;occ; 89; 0;43056
23; 5343.5; 26-MAY-2010 00:57:29; Dark ; 0.5; 52; 16Bet Cet ; 2.04; 4500;occ; 1; 0;43056
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 2; 420.0; 25-MAY-2010 10:10:38; Dark ; 41.0; 45; Alp Pav ; 1.94; 26000;occ; 82; 0;43048
 3; 820.4; 25-MAY-2010 10:17:18; Dark ; 41.5; 141; Bet Ara ; 2.84; 4600;occ; 83; 0;43048
 4; 989.2; 25-MAY-2010 10:20:07; Dark ; 46.5; 40; The Sco ; 1.86; 7100;occ; 93; 0;43048
 5; 1101.2; 25-MAY-2010 10:21:59; Dark ; 46.0; 115; 34Ups Sco ; 2.70; 26000;occ; 92; 0;43048
 6; 1218.3; 25-MAY-2010 10:23:56; Dark ; 47.5; 75; 26Eps Sco ; 2.29; 4250;occ; 95; 0;43048
 7; 1387.0; 25-MAY-2010 10:26:45; Dark ; 57.0; 16; 21Alp Sco ; 1.02; 3000;occ; 114; 0;43048

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2; 1838.0; 25-MAY-2010 10:34:16; Bright; 45.0; 120; 1Del Oph ; 2.73; 3200;occ; 90; 0;43048
3; 2021.6; 25-MAY-2010 10:37:20; Bright; 38.5; 102; 24Alp Ser ; 2.60; 4250;occ; 77; 0;43048
4; 2368.7; 25-MAY-2010 10:43:07; Bright; 39.0; 83; ; 2.38; 11000;occ; 78; 0;43048
5; 3036.6; 25-MAY-2010 10:54:15; Bright; 40.5; 119; 14Eta Dra ; 2.73; 4700;occ; 81; 0;43048
6; 3170.7; 25-MAY-2010 10:56:29; Bright; 38.5; 60; 7Bet UMi ; 2.08; 3950;occ; 77; 0;43048
7; 3935.6; 25-MAY-2010 11:09:14; Bright; 54.0; 76; 27Gam Cas ; 2.30; 30000;occ; 108; 0;43048
8; 4007.4; 25-MAY-2010 11:10:25; Bright; 37.0; 68; 18Alp Cas ; 2.22; 4500;occ; 74; 0;43048
9; 4383.4; 25-MAY-2010 11:16:41; Bright; 39.0; 53; 43Bet And ; 2.05; 3300;occ; 78; 0;43048
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11; 4809.1; 25-MAY-2010 11:23:47; Dark ; 45.0; 140; 88Gam Peg ; 2.83; 26000;occ; 90; 0;43048
12; 5339.7; 25-MAY-2010 11:32:38; Dark ; 46.0; 52; 16Bet Cet ; 2.04; 4500;occ; 92; 0;43048
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14; 6034.6; 25-MAY-2010 11:44:13; Dark ; 59.0; 63; Bet Gru ; 2.15; 2800;occ; 118; 0;43048
15; 6138.3; 25-MAY-2010 11:45:56; Dark ; 46.0; 31; Alp Gru ; 1.73; 15200;occ; 92; 0;43049
16; 6456.6; 25-MAY-2010 11:51:15; Dark ; 41.0; 45; Alp Pav ; 1.94; 26000;occ; 82; 0;43049
17; 6856.5; 25-MAY-2010 11:57:55; Dark ; 42.5; 141; Bet Ara ; 2.84; 4600;occ; 85; 0;43049
18; 7025.5; 25-MAY-2010 12:00:44; Dark ; 50.5; 40; The Sco ; 1.86; 7100;occ; 101; 0;43049
19; 7137.2; 25-MAY-2010 12:02:35; Dark ; 47.5; 115; 34Ups Sco ; 2.70; 26000;occ; 95; 0;43049
20; 7254.4; 25-MAY-2010 12:04:32; Dark ; 56.5; 75; 26Eps Sco ; 2.29; 4250;occ; 113; 0;43049
21; 7423.4; 25-MAY-2010 12:07:21; Dark ; 59.0; 16; 21Alp Sco ; 1.02; 3000;occ; 118; 0;43049
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3; 2021.5; 25-MAY-2010 12:17:55; Bright; 39.0; 102; 24Alp Ser ; 2.60; 4250;occ; 78; 0;43049
4; 2369.0; 25-MAY-2010 12:23:43; Bright; 38.5; 83; ; 2.38; 11000;occ; 77; 0;43049
5; 3036.3; 25-MAY-2010 12:34:50; Bright; 41.0; 119; 14Eta Dra ; 2.73; 4700;occ; 82; 0;43049
6; 3170.4; 25-MAY-2010 12:37:04; Bright; 38.0; 60; 7Bet UMi ; 2.08; 3950;occ; 76; 0;43049
7; 3935.7; 25-MAY-2010 12:49:50; Bright; 35.0; 76; 27Gam Cas ; 2.30; 30000;occ; 70; 0;43049
8; 4007.2; 25-MAY-2010 12:51:01; Bright; 40.0; 68; 18Alp Cas ; 2.22; 4500;occ; 80; 0;43049
9; 4383.6; 25-MAY-2010 12:57:18; Bright; 39.0; 53; 43Bet And ; 2.05; 3300;occ; 78; 0;43049
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13; 5866.1; 25-MAY-2010 13:22:00; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;43049
14; 6035.3; 25-MAY-2010 13:24:49; Dark ; 53.0; 63; Bet Gru ; 2.15; 2800;occ; 106; 0;43049
15; 6138.8; 25-MAY-2010 13:26:33; Dark ; 46.0; 31; Alp Gru ; 1.73; 15200;occ; 92; 0;43050
16; 6457.6; 25-MAY-2010 13:31:52; Dark ; 41.0; 45; Alp Pav ; 1.94; 26000;occ; 82; 0;43050
17; 6857.1; 25-MAY-2010 13:38:31; Dark ; 43.5; 141; Bet Ara ; 2.84; 4600;occ; 87; 0;43050
18; 7026.0; 25-MAY-2010 13:41:20; Dark ; 51.0; 40; The Sco ; 1.86; 7100;occ; 102; 0;43050
19; 7136.2; 25-MAY-2010 13:43:10; Dark ; 49.5; 25; 35Lam Sco ; 1.62; 28000;occ; 99; 0;43050
20; 7255.1; 25-MAY-2010 13:45:09; Dark ; 49.5; 75; 26Eps Sco ; 2.29; 4250;occ; 99; 0;43050
21; 7423.5; 25-MAY-2010 13:47:57; Dark ; 56.5; 16; 21Alp Sco ; 1.02; 3000;occ; 113; 0;43050
22; 7565.0; 25-MAY-2010 13:50:19; Bright; 37.5; 97; 8Bet1Sco ; 2.56; 30000;occ; 75; 0;43050
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4; 2021.4; 25-MAY-2010 13:58:31; Bright; 39.0; 102; 24Alp Ser ; 2.60; 4250;occ; 78; 0;43050
5; 2368.8; 25-MAY-2010 14:04:19; Bright; 37.0; 83; ; 2.38; 11000;occ; 74; 0;43050
6; 3035.6; 25-MAY-2010 14:15:25; Bright; 39.0; 119; 14Eta Dra ; 2.73; 4700;occ; 78; 0;43050
7; 3170.3; 25-MAY-2010 14:17:40; Bright; 42.0; 60; 7Bet UMi ; 2.08; 3950;occ; 84; 0;43050
8; 3935.9; 25-MAY-2010 14:30:26; Bright; 39.5; 76; 27Gam Cas ; 2.30; 30000;occ; 79; 0;43050
9; 4007.5; 25-MAY-2010 14:31:37; Bright; 55.0; 68; 18Alp Cas ; 2.22; 4500;occ; 110; 0;43050
10; 4384.0; 25-MAY-2010 14:37:54; Bright; 39.0; 53; 43Bet And ; 2.05; 3300;occ; 78; 0;43050
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12; 4810.0; 25-MAY-2010 14:45:00; Dark ; 48.0; 140; 88Gam Peg ; 2.83; 26000;occ; 96; 0;43050
13; 5340.6; 25-MAY-2010 14:53:50; Dark ; 45.5; 52; 16Bet Cet ; 2.04; 4500;occ; 91; 0;43050
14; 5866.8; 25-MAY-2010 15:02:37; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;43050
15; 6139.9; 25-MAY-2010 15:07:10; Dark ; 44.0; 31; Alp Gru ; 1.73; 15200;occ; 88; 0;43051
16; 6458.4; 25-MAY-2010 15:12:28; Dark ; 41.5; 45; Alp Pav ; 1.94; 26000;occ; 83; 0;43051
17; 6857.5; 25-MAY-2010 15:19:07; Dark ; 41.5; 141; Bet Ara ; 2.84; 4600;occ; 83; 0;43051
18; 7026.5; 25-MAY-2010 15:21:56; Dark ; 47.0; 40; The Sco ; 1.86; 7100;occ; 94; 0;43051
19; 7136.8; 25-MAY-2010 15:23:47; Dark ; 51.0; 25; 35Lam Sco ; 1.62; 28000;occ; 102; 0;43051
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 3; 1736.6; 25-MAY-2010 15:34:22; Bright; 38.5; 104; 27Bet Lib ; 2.61; 13100;occ; 77; 0;43051
 4; 1838.0; 25-MAY-2010 15:36:04; Bright; 43.0; 120; 1Del Oph ; 2.73; 3200;occ; 86; 0;43051
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 6; 2368.9; 25-MAY-2010 15:44:55; Bright; 36.5; 83; ; 2.38; 11000;occ; 73; 0;43051
 7; 3035.6; 25-MAY-2010 15:56:01; Bright; 41.5; 119; 14Eta Dra ; 2.73; 4700;occ; 83; 0;43051
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 9; 3935.8; 25-MAY-2010 16:11:02; Bright; 54.0; 76; 27Gam Cas ; 2.30; 30000;occ; 108; 0;43051
 10; 4007.4; 25-MAY-2010 16:12:13; Bright; 36.0; 68; 18Alp Cas ; 2.22; 4500;occ; 72; 0;43051
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 12; 4538.0; 25-MAY-2010 16:21:04; Dark ; 50.0; 58; 21Alp And ; 2.07; 11000;occ; 100; 0;43051
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 14; 5341.2; 25-MAY-2010 16:34:27; Dark ; 47.0; 52; 16Bet Cet ; 2.04; 4500;occ; 94; 0;43051
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 17; 6459.0; 25-MAY-2010 16:53:05; Dark ; 42.0; 45; Alp Pav ; 1.94; 26000;occ; 84; 0;43052
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 20; 7137.3; 25-MAY-2010 17:04:23; Dark ; 52.0; 25; 35Lam Sco ; 1.62; 28000;occ; 104; 0;43052
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 5; 1388.7; 25-MAY-2010 20:30:22; Dark ; 52.0; 16; 21Alp Sco ; 1.02; 3000;occ; 104; 0;43054
 6; 1529.5; 25-MAY-2010 20:32:43; Bright; 42.0; 97; 8Bet1Sco ; 2.56; 30000;occ; 84; 0;43054
 7; 1737.0; 25-MAY-2010 20:36:11; Bright; 37.0; 104; 27Bet Lib ; 2.61; 13100;occ; 74; 0;43054
 8; 1837.8; 25-MAY-2010 20:37:51; Bright; 45.0; 120; 1Del Oph ; 2.73; 3200;occ; 90; 0;43054
 9; 2020.5; 25-MAY-2010 20:40:54; Bright; 39.5; 102; 24Alp Ser ; 2.60; 4250;occ; 79; 0;43054
 10; 2385.0; 25-MAY-2010 20:46:59; Bright; 40.5; 67; 5Alp CrB ; 2.22; 11000;occ; 81; 0;43054
 11; 3034.5; 25-MAY-2010 20:57:48; Bright; 42.0; 119; 14Eta Dra ; 2.73; 4700;occ; 84; 0;43054
 12; 3170.1; 25-MAY-2010 21:00:04; Bright; 38.0; 60; 7Bet UMi ; 2.08; 3950;occ; 76; 0;43054
 13; 3935.7; 25-MAY-2010 21:12:49; Bright; 54.0; 76; 27Gam Cas ; 2.30; 30000;occ; 108; 0;43054
 14; 4006.8; 25-MAY-2010 21:14:00; Bright; 39.0; 68; 18Alp Cas ; 2.22; 4500;occ; 78; 0;43054
 15; 4384.2; 25-MAY-2010 21:20:18; Bright; 39.5; 53; 43Bet And ; 2.05; 3300;occ; 79; 0;43054
 16; 4538.4; 25-MAY-2010 21:22:52; Dark ; 49.0; 58; 21Alp And ; 2.07; 11000;occ; 98; 0;43054
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 6; 2021.4; 25-MAY-2010 17:19:43; Bright; 39.0; 102; 24Alp Ser ; 2.60; 4250;occ; 78; 0;43052
 7; 2385.8; 25-MAY-2010 17:25:48; Bright; 40.5; 67; 5Alp CrB ; 2.22; 11000;occ; 81; 0;43052
 8; 3035.4; 25-MAY-2010 17:36:37; Bright; 40.0; 119; 14Eta Dra ; 2.73; 4700;occ; 80; 0;43052
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 10; 3935.4; 25-MAY-2010 17:51:37; Bright; 54.0; 76; 27Gam Cas ; 2.30; 30000;occ; 108; 0;43052
 11; 4007.4; 25-MAY-2010 17:52:49; Bright; 39.0; 68; 18Alp Cas ; 2.22; 4500;occ; 78; 0;43052
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 13; 4537.9; 25-MAY-2010 18:01:40; Dark ; 48.0; 58; 21Alp And ; 2.07; 11000;occ; 96; 0;43052
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 15; 5342.1; 25-MAY-2010 18:15:04; Dark ; 47.0; 52; 16Bet Cet ; 2.04; 4500;occ; 94; 0;43052
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 18; 6141.8; 25-MAY-2010 18:28:24; Dark ; 44.0; 31; Alp Gru ; 1.73; 15200;occ; 88; 0;43053
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8; 2020.8; 25-MAY-2010 19:00:19; Bright; 39.0; 102; 24Alp Ser ; 2.60; 4250;occ; 78; 0;43053
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6; 824.2; 26-MAY-2010 01:22:46; Dark ; 44.5; 141; Bet Ara ; 2.84; 4600;occ; 89; 0;43057
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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
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26; 6145.7; 26-MAY-2010 02:51:27; Dark ; 43.0; 31; Alp Gru ; 1.73; 15200;occ; 86; 0;43058
27; 6462.9; 26-MAY-2010 02:56:44; Dark ; 42.5; 45; Alp Pav ; 1.94; 26000;occ; 85; 0;43058
28; 6860.4; 26-MAY-2010 03:03:22; Dark ; 46.0; 141; Bet Ara ; 2.84; 4600;occ; 92; 0;43058
29; 7030.3; 26-MAY-2010 03:06:12; Dark ; 46.5; 40; The Sco ; 1.86; 7100;occ; 93; 0;43058
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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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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 18; 5344.0; 26-MAY-2010 02:38:05; Dark ; 44.0; 52; 16Bet Cet ; 2.04; 4500;occ; 88; 0;43057
 19; 5870.7; 26-MAY-2010 02:46:52; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;43057
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 21; 6145.7; 26-MAY-2010 02:51:27; Dark ; 43.0; 31; Alp Gru ; 1.73; 15200;occ; 86; 0;43058
 22; 6462.9; 26-MAY-2010 02:56:44; Dark ; 42.5; 45; Alp Pav ; 1.94; 26000;occ; 85; 0;43058
 23; 6860.4; 26-MAY-2010 03:03:22; Dark ; 46.0; 141; Bet Ara ; 2.84; 4600;occ; 92; 0;43058
 24; 7030.3; 26-MAY-2010 03:06:12; Dark ; 46.5; 40; The Sco ; 1.86; 7100;occ; 93; 0;43058
 25; 7140.2; 26-MAY-2010 03:08:02; Dark ; 48.0; 25; 35Lam Sco ; 1.62; 28000;occ; 96; 0;43058
 26; 7258.1; 26-MAY-2010 03:09:59; Dark ; 46.0; 75; 26Eps Sco ; 2.29; 4250;occ; 92; 0;43058
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 29; 7773.2; 26-MAY-2010 03:18:35; Bright; 37.5; 104; 27Bet Lib ; 2.61; 13100;occ; 75; 0;43058
 30; 8056.2; 26-MAY-2010 03:23:17; Bright; 39.5; 102; 24Alp Ser ; 2.60; 4250;occ; 79; 0;43058
 31; 8419.9; 26-MAY-2010 03:29:21; Bright; 11.5; 67; 5Alp CrB ; 2.22; 11000;occ; 23; 0;43058

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 3;-2100.6; 26-MAY-2010 03:55:13; Bright; 54.0; 76; 27Gam Cas ; 2.30; 30000;occ; 108; 0;43058
 4;-2029.2; 26-MAY-2010 03:56:24; Bright; 38.5; 68; 18Alp Cas ; 2.22; 4500;occ; 77; 0;43058
 5;-1651.2; 26-MAY-2010 04:02:42; Bright; 40.0; 53; 43Bet And ; 2.05; 3300;occ; 80; 0;43058
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 7;-1222.9; 26-MAY-2010 04:09:50; Dark ; 46.5; 140; 88Gam Peg ; 2.83; 26000;occ; 93; 0;43058
 8; -691.4; 26-MAY-2010 04:18:42; Dark ; 45.0; 52; 16Bet Cet ; 2.04; 4500;occ; 90; 0;43058
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 10; 6.5; 26-MAY-2010 04:30:20; Dark ; 55.5; 63; Bet Gru ; 2.15; 2800;occ; 111; 0;43058
 11; 111.0; 26-MAY-2010 04:32:04; Dark ; 43.0; 31; Alp Gru ; 1.73; 15200;occ; 86; 0;43059
 12; 427.8; 26-MAY-2010 04:37:21; Dark ; 42.0; 45; Alp Pav ; 1.94; 26000;occ; 84; 0;43059
 13; 825.3; 26-MAY-2010 04:43:59; Dark ; 45.0; 141; Bet Ara ; 2.84; 4600;occ; 90; 0;43059
 14; 994.9; 26-MAY-2010 04:46:48; Dark ; 49.5; 40; The Sco ; 1.86; 7100;occ; 99; 0;43059
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 23; 3169.7; 26-MAY-2010 05:23:03; Bright; 38.5; 60; 7Bet UMi ; 2.08; 3950;occ; 77; 0;43059

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 9; 111.4; 26-MAY-2010 06:12:41; Dark ; 46.5; 31; Alp Gru ; 1.73; 15200;occ; 93; 0;43060
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 23; 4843.8; 31-MAY-2010 01:32:16; Dark ; 49.5; 140; 88Gam Peg ; 2.83; 26000;occ; 99; 0;43128
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