

# GOMOS Daily Report 20-DEC-2009

## 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 | 22DEC2009 04:36:57 |
| Data source version       | GOMOS/5.00L04      |
| Start time of products    | 20DEC2009 00:02:36 |
| Stop time of products     | 20DEC2009 23:57:24 |
| Store outputs in DB       | Yes                |
| Nb of level 1b prods      | 159                |
| Nb of prods with errors   | 1                  |

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

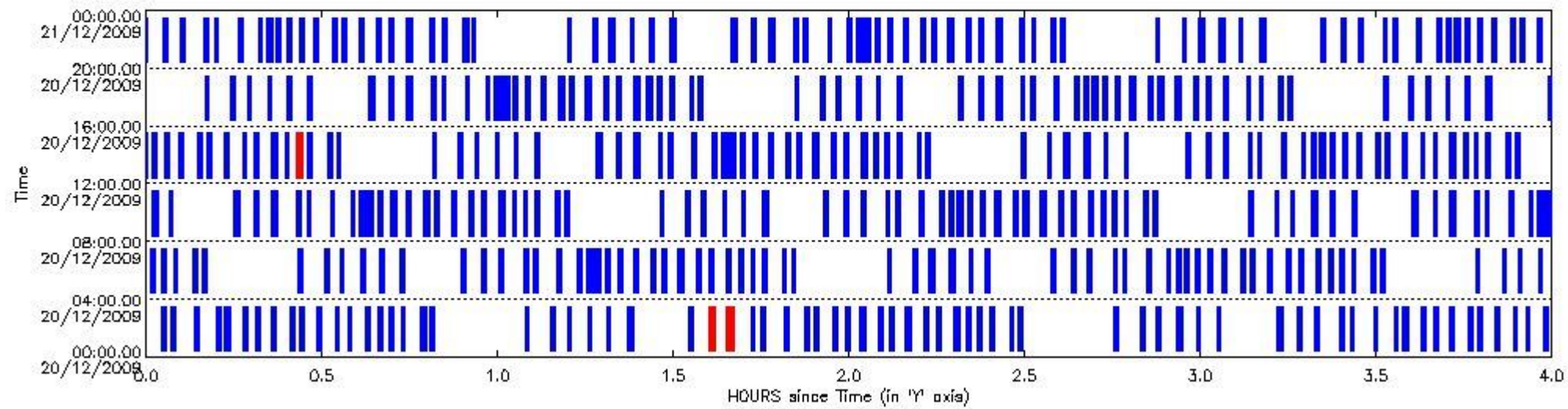
### 2.1 Level 0 products arrived in PCF (see template [here](#))

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

Red segments are missing products.

Blue segments are available products.

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



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

| UTC start time       | Star name | Star ID | Orbit |
|----------------------|-----------|---------|-------|
| 20-DEC-2009 01:36:08 | 46GamHya  | 169     | 40809 |
| 20-DEC-2009 01:38:58 | 9BetCrv   | 106     | 40809 |
| 20-DEC-2009 12:25:38 | 23ZetTau  | 176     | 40816 |

### 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_1PNPDE20091220_000236_000000432085_00173_40808_9422.N1 | 20-DEC-2009 00:02:36 | Dark       | 43.000   | 64      | Gam Cen   | 2.2000   | 10600.    | 86      | 40808 | No          |
| 2  | GOM_TRA_1PNPDE20091220_000417_000000472085_00174_40809_9423.N1 | 20-DEC-2009 00:04:17 | Dark       | 46.500   | 99      | Del Cen   | 2.5750   | 26000.    | 93      | 40809 | No          |
| 3  | GOM_TRA_1PNPDE20091220_000819_000000462085_00174_40809_9424.N1 | 20-DEC-2009 00:08:19 | Dark       | 46.000   | 113     | Mu Vel    | 2.6920   | 5000.0    | 92      | 40809 | No          |
| 4  | GOM_TRA_1PNPDE20091220_001150_000000492085_00174_40809_9425.N1 | 20-DEC-2009 00:11:50 | Dark       | 49.000   | 71      | Iot Car   | 2.2460   | 7700.0    | 98      | 40809 | No          |
| 5  | GOM_TRA_1PNPDE20091220_001634_000000482085_00174_40809_9426.N1 | 20-DEC-2009 00:16:34 | Dark       | 47.500   | 34      | Gam2Vel   | 1.7930   | 23000.    | 95      | 40809 | No          |
| 6  | GOM_TRA_1PNPDE20091220_001844_000000512085_00174_40809_9427.N1 | 20-DEC-2009 00:18:44 | Dark       | 50.500   | 70      | Zet Pup   | 2.2460   | 39000.    | 101     | 40809 | No          |
| 7  | GOM_TRA_1PNPDE20091220_002116_000000512085_00174_40809_9428.N1 | 20-DEC-2009 00:21:16 | Dark       | 51.000   | 117     | Pi Pup    | 2.7060   | 3800.0    | 102     | 40809 | No          |
| 8  | GOM_TRA_1PNPDE20091220_002424_000000502085_00174_40809_9429.N1 | 20-DEC-2009 00:24:24 | Straylight | 49.500   | 23      | 21Eps CMa | 1.5020   | 26000.    | 99      | 40809 | No          |

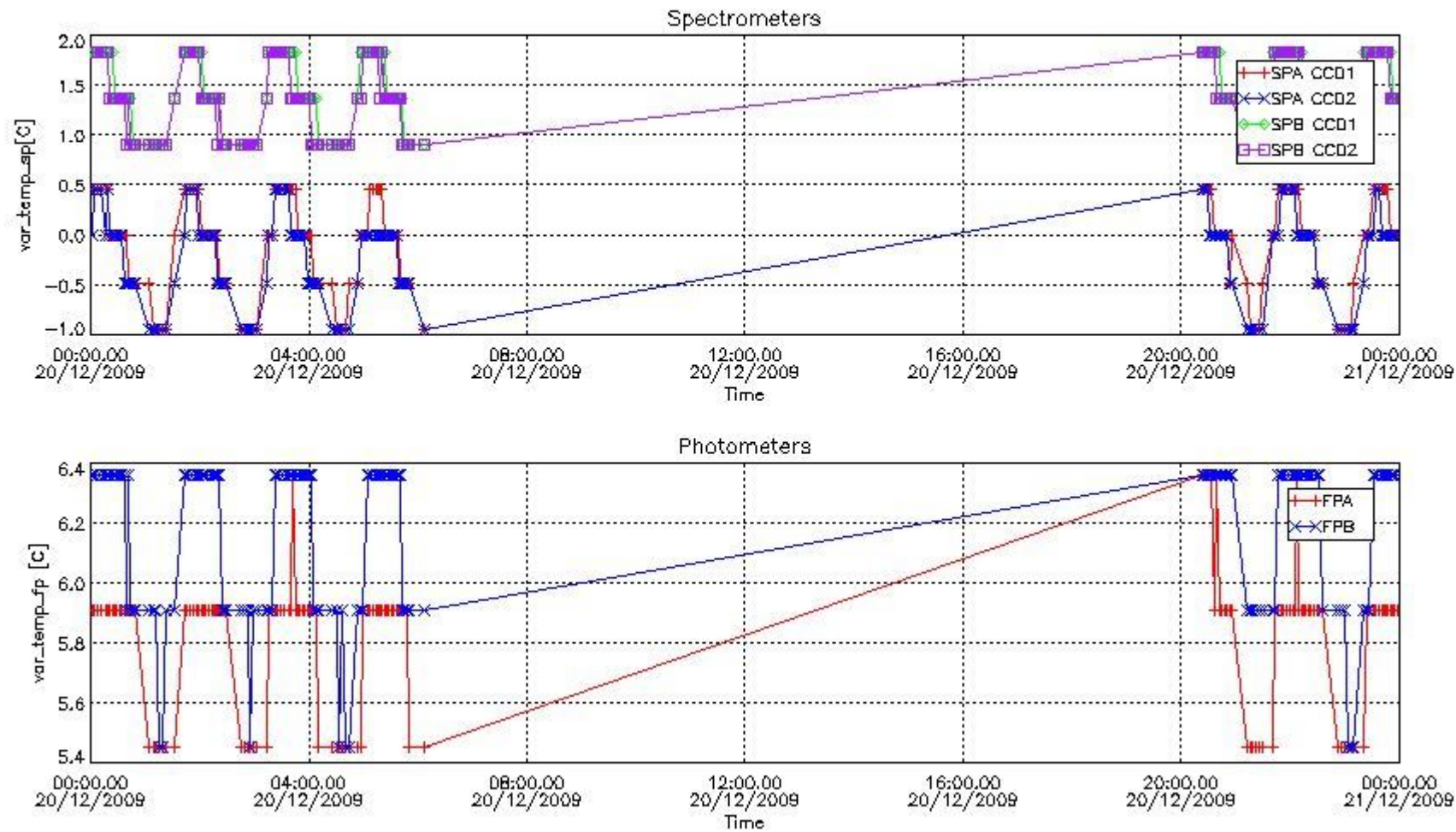
|    |  |                      |                |        |     |           |          |        |     |       |    |
|----|--|----------------------|----------------|--------|-----|-----------|----------|--------|-----|-------|----|
| 9  | GOM_TRA_1PNPDE20091220_002607_000000492085_00174_40809_9430.N1 | 20-DEC-2009 00:26:07 | Straylight     | 49.000 | 179 | 24Omi2CMa | 3.0320   | 24000. | 98  | 40809 | No |
| 10 | GOM_TRA_1PNPDE20091220_002859_000000602085_00174_40809_9431.N1 | 20-DEC-2009 00:28:59 | Straylight     | 60.000 | 1   | 9Alp CMa  | -1.4400  | 11000. | 120 | 40809 | No |
| 11 | GOM_TRA_1PNPDE20091220_003211_000000452085_00174_40809_9432.N1 | 20-DEC-2009 00:32:11 | Straylight     | 45.000 | 7   | 19Bet Ori | 0.10000  | 14000. | 90  | 40809 | No |
| 12 | GOM_TRA_1PNPDE20091220_003419_000000462085_00174_40809_9433.N1 | 20-DEC-2009 00:34:19 | Straylight     | 46.000 | 30  | 46Eps Ori | 1.6940   | 30000. | 92  | 40809 | No |
| 13 | GOM_TRA_1PNPDE20091220_003716_000000602085_00174_40809_9434.N1 | 20-DEC-2009 00:37:16 | Tw_i_and_stray | 59.500 | 14  | 58Alp Ori | 0.87000  | 3000.0 | 119 | 40809 | No |
| 14 | GOM_TRA_1PNPDE20091220_003926_000000532085_00174_40809_9435.N1 | 20-DEC-2009 00:39:26 | Tw_i_and_stray | 53.000 | 13  | 87Alp Tau | 0.86700  | 3800.0 | 106 | 40809 | No |
| 15 | GOM_TRA_1PNPDE20091220_004122_000000432085_00174_40809_9436.N1 | 20-DEC-2009 00:41:22 | Bright         | 43.000 | 176 | 23Zet Tau | 3.0200   | 22000. | 86  | 40809 | No |
| 16 | GOM_TRA_1PNPDE20091220_004326_000000412085_00174_40809_9437.N1 | 20-DEC-2009 00:43:26 | Bright         | 40.500 | 28  | 12Bet Tau | 1.6500   | 15200. | 81  | 40809 | No |
| 17 | GOM_TRA_1PNPDE20091220_004650_000000632085_00174_40809_9438.N1 | 20-DEC-2009 00:46:50 | Bright         | 63.000 | 107 | 37The Aur | 2.6490   | 11000. | 126 | 40809 | No |
| 18 | GOM_TRA_1PNPDE20091220_004821_000000462085_00174_40809_9439.N1 | 20-DEC-2009 00:48:21 | Bright         | 46.000 | 6   | 13Alp Aur | 0.080000 | 3400.0 | 92  | 40809 | No |
| 19 | GOM_TRA_1PNPDE20091220_010441_000000332085_00174_40809_9440.N1 | 20-DEC-2009 01:04:41 | Bright         | 32.500 | 60  | 7Bet UMi  | 2.0810   | 3950.0 | 65  | 40809 | No |
| 20 | GOM_TRA_1PNPDE20091220_010907_000000452085_00174_40809_9441.N1 | 20-DEC-2009 01:09:07 | Bright         | 45.000 | 32  | 77Eps UMa | 1.7630   | 11000. | 90  | 40809 | No |
| 21 | GOM_TRA_1PNPDE20091220_011151_000000402085_00174_40809_9442.N1 | 20-DEC-2009 01:11:51 | Bright         | 40.000 | 39  | 85Eta UMa | 1.8540   | 24000. | 80  | 40809 | No |
| 22 | GOM_TRA_1PNPDE20091220_011521_000000362085_00174_40809_9443.N1 | 20-DEC-2009 01:15:21 | Bright         | 36.000 | 180 | 27Gam Boo | 3.0400   | 8000.0 | 72  | 40809 | No |
| 23 | GOM_TRA_1PNPDE20091220_011839_000000382085_00174_40809_9444.N1 | 20-DEC-2009 01:18:39 | Bright         | 37.500 | 83  |           | 2.3780   | 11000. | 75  | 40809 | No |
| 24 | GOM_TRA_1PNPDE20091220_012208_000000632085_00174_40809_9445.N1 | 20-DEC-2009 01:22:08 | Bright         | 62.500 | 111 | 8Eta Boo  | 2.6800   | 6000.0 | 125 | 40809 | No |
| 25 | GOM_TRA_1PNPDE20091220_013230_000000522085_00174_40809_9438.N1 | 20-DEC-2009 01:32:30 | Tw_i_and_stray | 51.500 | 15  | 67Alp Vir | 0.97600  | 28000. | 103 | 40809 | No |
| 26 | GOM_TRA_1PNPDE20091220_014313_000000442085_00174_40809_9439.N1 | 20-DEC-2009 01:43:13 | Dark           | 44.000 | 64  | Gam Cen   | 2.2000   | 10600. | 88  | 40809 | No |
| 27 | GOM_TRA_1PNPDE20091220_014454_000000442085_00175_40810_9440.N1 | 20-DEC-2009 01:44:54 | Dark           | 44.000 | 99  | Del Cen   | 2.5750   | 26000. | 88  | 40810 | No |
| 28 | GOM_TRA_1PNPDE20091220_014856_000000472085_00175_40810_9441.N1 | 20-DEC-2009 01:48:56 | Dark           | 46.500 | 113 | Mu Vel    | 2.6920   | 5000.0 | 93  | 40810 | No |
| 29 | GOM_TRA_1PNPDE20091220_015226_000000412085_00175_40810_9442.N1 | 20-DEC-2009 01:52:26 | Dark           | 40.500 | 71  | lot Car   | 2.2460   | 7700.0 | 81  | 40810 | No |
| 30 | GOM_TRA_1PNPDE20091220_015710_000000502085_00175_40810_9443.N1 | 20-DEC-2009 01:57:10 | Dark           | 49.500 | 34  | Gam2Vel   | 1.7930   | 23000. | 99  | 40810 | No |
| 31 | GOM_TRA_1PNPDE20091220_015920_000000512085_00175_40810_9444.N1 | 20-DEC-2009 01:59:20 | Dark           | 51.000 | 70  | Zet Pup   | 2.2460   | 39000. | 102 | 40810 | No |
| 32 | GOM_TRA_1PNPDE20091220_020153_000000522085_00175_40810_9445.N1 | 20-DEC-2009 02:01:53 | Dark           | 51.500 | 117 | Pi Pup    | 2.7060   | 3800.0 | 103 | 40810 | No |
| 33 | GOM_TRA_1PNPDE20091220_020500_000000522085_00175_40810_9446.N1 | 20-DEC-2009 02:05:00 | Straylight     | 52.000 | 23  | 21Eps CMa | 1.5020   | 26000. | 104 | 40810 | No |
| 34 | GOM_TRA_1PNPDE20091220_020644_000000512085_00175_40810_9447.N1 | 20-DEC-2009 02:06:44 | Straylight     | 50.500 | 179 | 24Omi2CMa | 3.0320   | 24000. | 101 | 40810 | No |
| 35 | GOM_TRA_1PNPDE20091220_020935_000000572085_00175_40810_9448.N1 | 20-DEC-2009 02:09:35 | Straylight     | 57.000 | 1   | 9Alp CMa  | -1.4400  | 11000. | 114 | 40810 | No |
| 36 | GOM_TRA_1PNPDE20091220_021247_000000482085_00175_40810_9449.N1 | 20-DEC-2009 02:12:47 | Straylight     | 47.500 | 7   | 19Bet Ori | 0.10000  | 14000. | 95  | 40810 | No |
| 37 | GOM_TRA_1PNPDE20091220_021455_000000462085_00175_40810_9450.N1 | 20-DEC-2009 02:14:55 | Straylight     | 46.000 | 30  | 46Eps Ori | 1.6940   | 30000. | 92  | 40810 | No |
| 38 | GOM_TRA_1PNPDE20091220_021752_000000612085_00175_40810_9451.N1 | 20-DEC-2009 02:17:52 | Tw_i_and_stray | 61.000 | 14  | 58Alp Ori | 0.87000  | 3000.0 | 122 | 40810 | No |
| 39 | GOM_TRA_1PNPDE20091220_022002_000000532085_00175_40810_9452.N1 | 20-DEC-2009 02:20:02 | Tw_i_and_stray | 53.000 | 13  | 87Alp Tau | 0.86700  | 3800.0 | 106 | 40810 | No |
| 40 | GOM_TRA_1PNPDE20091220_022158_000000442085_00175_40810_9453.N1 | 20-DEC-2009 02:21:58 | Bright         | 44.000 | 176 | 23Zet Tau | 3.0200   | 22000. | 88  | 40810 | No |
| 41 | GOM_TRA_1PNPDE20091220_022402_000000432085_00175_40810_9454.N1 | 20-DEC-2009 02:24:02 | Bright         | 43.000 | 28  | 12Bet Tau | 1.6500   | 15200. | 86  | 40810 | No |
| 42 | GOM_TRA_1PNPDE20091220_022726_000000432085_00175_40810_9455.N1 | 20-DEC-2009 02:27:26 | Bright         | 43.000 | 107 | 37The Aur | 2.6490   | 11000. | 86  | 40810 | No |
| 43 | GOM_TRA_1PNPDE20091220_022857_000000452085_00175_40810_9456.N1 | 20-DEC-2009 02:28:57 | Bright         | 44.500 | 6   | 13Alp Aur | 0.080000 | 3400.0 | 89  | 40810 | No |
| 44 | GOM_TRA_1PNPDE20091220_024517_000000422085_00175_40810_9457.N1 | 20-DEC-2009 02:45:17 | Bright         | 41.500 | 60  | 7Bet UMi  | 2.0810   | 3950.0 | 83  | 40810 | No |
| 45 | GOM_TRA_1PNPDE20091220_024942_000000502085_00175_40810_9456.N1 | 20-DEC-2009 02:49:42 | Bright         | 49.500 | 32  | 77Eps UMa | 1.7630   | 11000. | 99  | 40810 | No |
| 46 | GOM_TRA_1PNPDE20091220_025227_000000412085_00175_40810_9457.N1 | 20-DEC-2009 02:52:27 | Bright         | 40.500 | 39  | 85Eta UMa | 1.8540   | 24000. | 81  | 40810 | No |
| 47 | GOM_TRA_1PNPDE20091220_025557_000000562085_00175_40810_9458.N1 | 20-DEC-2009 02:55:57 | Bright         | 56.000 | 180 | 27Gam Boo | 3.0400   | 8000.0 | 112 | 40810 | No |
| 48 | GOM_TRA_1PNPDE20091220_025915_000000382085_00175_40810_9459.N1 | 20-DEC-2009 02:59:15 | Bright         | 37.500 | 83  |           | 2.3780   | 11000. | 75  | 40810 | No |
| 49 | GOM_TRA_1PNPDE20091220_030244_000000432085_00175_40810_9460.N1 | 20-DEC-2009 03:02:44 | Bright         | 42.500 | 111 | 8Eta Boo  | 2.6800   | 6000.0 | 85  | 40810 | No |
| 50 | GOM_TRA_1PNPDE20091220_031307_000000562085_00175_40810_9461.N1 | 20-DEC-2009 03:13:07 | Tw_i_and_stray | 56.000 | 15  | 67Alp Vir | 0.97600  | 28000. | 112 | 40810 | No |
| 51 | GOM_TRA_1PNPDE20091220_031638_000000492085_00175_40810_9462.N1 | 20-DEC-2009 03:16:38 | Dark           | 49.000 | 169 | 46Gam Hya | 2.9910   | 4700.0 | 98  | 40810 | No |
| 52 | GOM_TRA_1PNPDE20091220_031928_000000532085_00175_40810_9463.N1 | 20-DEC-2009 03:19:28 | Dark           | 52.500 | 106 | 9Bet Crv  | 2.6480   | 5600.0 | 105 | 40810 | No |
| 53 | GOM_TRA_1PNPDE20091220_032349_000000412085_00175_40810_9464.N1 | 20-DEC-2009 03:23:49 | Dark           | 41.000 | 64  | Gam Cen   | 2.2000   | 10600. | 82  | 40810 | No |
| 54 | GOM_TRA_1PNPDE20091220_032531_000000422085_00176_40811_9465.N1 | 20-DEC-2009 03:25:31 | Dark           | 42.000 | 99  | Del Cen   | 2.5750   | 26000. | 84  | 40811 | No |
| 55 | GOM_TRA_1PNPDE20091220_032932_000000462085_00176_40811_9466.N1 | 20-DEC-2009 03:29:32 | Dark           | 46.000 | 113 | Mu Vel    | 2.6920   | 5000.0 | 92  | 40811 | No |
| 56 | GOM_TRA_1PNPDE20091220_033303_000000402085_00176_40811_9467.N1 | 20-DEC-2009 03:33:03 | Dark           | 40.000 | 71  | lot Car   | 2.2460   | 7700.0 | 80  | 40811 | No |
| 57 | GOM_TRA_1PNPDE20091220_033747_000000492085_00176_40811_9468.N1 | 20-DEC-2009 03:37:47 | Dark           | 48.500 | 34  | Gam2Vel   | 1.7930   | 23000. | 97  | 40811 | No |
| 58 | GOM_TRA_1PNPDE20091220_033957_000000472085_00176_40811_9469.N1 | 20-DEC-2009 03:39:57 | Dark           | 47.000 | 70  | Zet Pup   | 2.2460   | 39000. | 94  | 40811 | No |
| 59 | GOM_TRA_1PNPDE20091220_034229_000000512085_00176_40811_9470.N1 | 20-DEC-2009 03:42:29 | Dark           | 51.000 | 117 | Pi Pup    | 2.7060   | 3800.0 | 102 | 40811 | No |
| 60 | GOM_TRA_1PNPDE20091220_034537_000000532085_00176_40811_9471.N1 | 20-DEC-2009 03:45:37 | Straylight     | 53.000 | 23  | 21Eps CMa | 1.5020   | 26000. | 106 | 40811 | No |
| 61 | GOM_TRA_1PNPDE20091220_034720_000000502085_00176_40811_9472.N1 | 20-DEC-2009 03:47:20 | Straylight     | 50.000 | 179 | 24Omi2CMa | 3.0320   | 24000. | 100 | 40811 | No |
| 62 | GOM_TRA_1PNPDE20091220_035011_000000592085_00176_40811_9473.N1 | 20-DEC-2009 03:50:11 | Straylight     | 58.500 | 1   | 9Alp CMa  | -1.4400  | 11000. | 117 | 40811 | No |
| 63 | GOM_TRA_1PNPDE20091220_035323_000000462085_00176_40811_9474.N1 | 20-DEC-2009 03:53:23 | Straylight     | 45.500 | 7   | 19Bet Ori | 0.10000  | 14000. | 91  | 40811 | No |
| 64 | GOM_TRA_1PNPDE20091220_035531_000000462085_00176_40811_9475.N1 | 20-DEC-2009 03:55:31 | Straylight     | 46.000 | 30  | 46Eps Ori | 1.6940   | 30000. | 92  | 40811 | No |
| 65 | GOM_TRA_1PNPDE20091220_035827_000000632085_00176_40811_9476.N1 | 20-DEC-2009 03:58:27 | Tw_i_and_stray | 63.000 | 14  | 58Alp Ori | 0.87000  | 3000.0 | 126 | 40811 | No |
| 66 | GOM_TRA_1PNPDE20091220_040038_000000462085_00176_40811_9477.N1 | 20-DEC-2009 04:00:38 | Tw_i_and_stray | 46.000 | 13  | 87Alp Tau | 0.86700  | 3800.0 | 92  | 40811 | No |
| 67 | GOM_TRA_1PNPDE20091220_040234_000000422085_00176_40811_9478.N1 | 20-DEC-2009 04:02:34 | Bright         | 42.000 | 176 | 23Zet Tau | 3.0200   | 22000. | 84  | 40811 | No |



|     |  |                      |            |        |     |           |          |        |     |       |     |
|-----|--|----------------------|------------|--------|-----|-----------|----------|--------|-----|-------|-----|
| 68  | GOM_TRA_1PNPDE20091220_040438_000000432085_00176_40811_9479.N1 | 20-DEC-2009 04:04:38 | Bright     | 42.500 | 28  | 12Bet Tau | 1.6500   | 15200. | 85  | 40811 | No  |
| 69  | GOM_TRA_1PNPDE20091220_040801_000000422085_00176_40811_9480.N1 | 20-DEC-2009 04:08:01 | Bright     | 41.500 | 107 | 37The Aur | 2.6490   | 11000. | 83  | 40811 | No  |
| 70  | GOM_TRA_1PNPDE20091220_040933_000000432085_00176_40811_9481.N1 | 20-DEC-2009 04:09:33 | Bright     | 42.500 | 6   | 13Alp Aur | 0.080000 | 3400.0 | 85  | 40811 | No  |
| 71  | GOM_TRA_1PNPDE20091220_042553_000000532085_00176_40811_9481.N1 | 20-DEC-2009 04:25:53 | Bright     | 53.000 | 60  | 7Bet UMi  | 2.0810   | 3950.0 | 106 | 40811 | No  |
| 72  | GOM_TRA_1PNPDE20091220_043018_000000632085_00176_40811_9482.N1 | 20-DEC-2009 04:30:18 | Bright     | 63.000 | 32  | 77Eps UMa | 1.7630   | 11000. | 126 | 40811 | No  |
| 73  | GOM_TRA_1PNPDE20091220_043303_000000412085_00176_40811_9483.N1 | 20-DEC-2009 04:33:03 | Bright     | 41.000 | 39  | 85Eta UMa | 1.8540   | 24000. | 82  | 40811 | No  |
| 74  | GOM_TRA_1PNPDE20091220_043633_000000562085_00176_40811_9484.N1 | 20-DEC-2009 04:36:33 | Bright     | 56.000 | 180 | 27Gam Boo | 3.0400   | 8000.0 | 112 | 40811 | No  |
| 75  | GOM_TRA_1PNPDE20091220_043951_000000382085_00176_40811_9485.N1 | 20-DEC-2009 04:39:51 | Bright     | 38.000 | 83  |           | 2.3780   | 11000. | 76  | 40811 | No  |
| 76  | GOM_TRA_1PNPDE20091220_044320_000000432085_00176_40811_9486.N1 | 20-DEC-2009 04:43:20 | Bright     | 43.000 | 111 | 8Eta Boo  | 2.6800   | 6000.0 | 86  | 40811 | No  |
| 77  | GOM_TRA_1PNPDE20091220_045344_000000542085_00176_40811_9487.N1 | 20-DEC-2009 04:53:44 | Twilight   | 53.500 | 15  | 67Alp Vir | 0.97600  | 28000. | 107 | 40811 | No  |
| 78  | GOM_TRA_1PNPDE20091220_045715_000000502085_00176_40811_9488.N1 | 20-DEC-2009 04:57:15 | Dark       | 49.500 | 169 | 46Gam Hya | 2.9910   | 4700.0 | 99  | 40811 | No  |
| 79  | GOM_TRA_1PNPDE20091220_050006_000000552085_00176_40811_9489.N1 | 20-DEC-2009 05:00:06 | Dark       | 55.000 | 106 | 9Bet Crv  | 2.6480   | 5600.0 | 110 | 40811 | No  |
| 80  | GOM_TRA_1PNPDE20091220_050426_000000422085_00176_40811_9490.N1 | 20-DEC-2009 05:04:26 | Dark       | 42.000 | 64  | Gam Cen   | 2.2000   | 10600. | 84  | 40811 | No  |
| 81  | GOM_TRA_1PNPDE20091220_050607_000000452085_00177_40812_9491.N1 | 20-DEC-2009 05:06:07 | Dark       | 45.000 | 99  | Del Cen   | 2.5750   | 26000. | 90  | 40812 | No  |
| 82  | GOM_TRA_1PNPDE20091220_051009_000000452085_00177_40812_9492.N1 | 20-DEC-2009 05:10:09 | Dark       | 44.500 | 113 | Mu Vel    | 2.6920   | 5000.0 | 89  | 40812 | No  |
| 83  | GOM_TRA_1PNPDE20091220_051339_000000412085_00177_40812_9493.N1 | 20-DEC-2009 05:13:39 | Dark       | 41.000 | 71  | lot Car   | 2.2460   | 7700.0 | 82  | 40812 | No  |
| 84  | GOM_TRA_1PNPDE20091220_051631_000000562085_00177_40812_9494.N1 | 20-DEC-2009 05:16:31 | Dark       | 56.000 | 65  | Lam Vel   | 2.2040   | 4400.0 | 112 | 40812 | No  |
| 85  | GOM_TRA_1PNPDE20091220_051824_000000462085_00177_40812_9495.N1 | 20-DEC-2009 05:18:24 | Dark       | 46.000 | 34  | Gam2Vel   | 1.7930   | 23000. | 92  | 40812 | No  |
| 86  | GOM_TRA_1PNPDE20091220_052034_000000522085_00177_40812_9496.N1 | 20-DEC-2009 05:20:34 | Dark       | 52.000 | 70  | Zet Pup   | 2.2460   | 39000. | 104 | 40812 | No  |
| 87  | GOM_TRA_1PNPDE20091220_052306_000000522085_00177_40812_9497.N1 | 20-DEC-2009 05:23:06 | Dark       | 51.500 | 117 | Pi Pup    | 2.7060   | 3800.0 | 103 | 40812 | No  |
| 88  | GOM_TRA_1PNPDE20091220_052613_000000512085_00177_40812_9498.N1 | 20-DEC-2009 05:26:13 | Straylight | 51.000 | 23  | 21Eps CMa | 1.5020   | 26000. | 102 | 40812 | No  |
| 89  | GOM_TRA_1PNPDE20091220_052756_000000532085_00177_40812_9499.N1 | 20-DEC-2009 05:27:56 | Straylight | 52.500 | 179 | 24Omi2CMa | 3.0320   | 24000. | 105 | 40812 | No  |
| 90  | GOM_TRA_1PNPDE20091220_053048_000000582085_00177_40812_9500.N1 | 20-DEC-2009 05:30:48 | Straylight | 58.000 | 1   | 9Alp CMa  | -1.4400  | 11000. | 116 | 40812 | No  |
| 91  | GOM_TRA_1PNPDE20091220_053359_000000472085_00177_40812_9501.N1 | 20-DEC-2009 05:33:59 | Straylight | 47.000 | 7   | 19Bet Ori | 0.10000  | 14000. | 94  | 40812 | No  |
| 92  | GOM_TRA_1PNPDE20091220_053607_000000452085_00177_40812_9502.N1 | 20-DEC-2009 05:36:07 | Straylight | 45.000 | 30  | 46Eps Ori | 1.6940   | 30000. | 90  | 40812 | No  |
| 93  | GOM_TRA_1PNPDE20091220_053903_000000532085_00177_40812_9503.N1 | 20-DEC-2009 05:39:03 | Twilight   | 52.500 | 14  | 58Alp Ori | 0.87000  | 3000.0 | 105 | 40812 | No  |
| 94  | GOM_TRA_1PNPDE20091220_054114_000000472085_00177_40812_9504.N1 | 20-DEC-2009 05:41:14 | Twilight   | 47.000 | 13  | 87Alp Tau | 0.86700  | 3800.0 | 94  | 40812 | No  |
| 95  | GOM_TRA_1PNPDE20091220_054309_000000432085_00177_40812_9505.N1 | 20-DEC-2009 05:43:09 | Bright     | 43.000 | 176 | 23Zet Tau | 3.0200   | 22000. | 86  | 40812 | No  |
| 96  | GOM_TRA_1PNPDE20091220_054514_000000422085_00177_40812_9506.N1 | 20-DEC-2009 05:45:14 | Bright     | 42.000 | 28  | 12Bet Tau | 1.6500   | 15200. | 84  | 40812 | No  |
| 97  | GOM_TRA_1PNPDE20091220_054837_000000422085_00177_40812_9507.N1 | 20-DEC-2009 05:48:37 | Bright     | 41.500 | 107 | 37The Aur | 2.6490   | 11000. | 83  | 40812 | No  |
| 98  | GOM_TRA_1PNPDE20091220_055009_000000422085_00177_40812_9508.N1 | 20-DEC-2009 05:50:09 | Bright     | 42.000 | 6   | 13Alp Aur | 0.080000 | 3400.0 | 84  | 40812 | No  |
| 99  | GOM_TRA_1PNPDE20091220_060629_00000042085_00177_40812_9509.N1  | 20-DEC-2009 06:06:29 | Straylight | 4.0000 | 60  | 7Bet UMi  | 2.0810   | 3950.0 | 8   | 40812 | No  |
| 100 | GOM_TRA_1PNPDE20091220_202353_000000482085_00186_40821_9549.N1 | 20-DEC-2009 20:23:53 | Dark       | 48.000 | 34  | Gam2Vel   | 1.7930   | 23000. | 96  | 40821 | Yes |
| 101 | GOM_TRA_1PNPDE20091220_202603_000000492085_00186_40821_9550.N1 | 20-DEC-2009 20:26:03 | Dark       | 49.000 | 70  | Zet Pup   | 2.2460   | 39000. | 98  | 40821 | No  |
| 102 | GOM_TRA_1PNPDE20091220_202834_000000512085_00186_40821_9551.N1 | 20-DEC-2009 20:28:34 | Dark       | 50.500 | 117 | Pi Pup    | 2.7060   | 3800.0 | 101 | 40821 | No  |
| 103 | GOM_TRA_1PNPDE20091220_203140_000000502085_00186_40821_9552.N1 | 20-DEC-2009 20:31:40 | Straylight | 50.000 | 23  | 21Eps CMa | 1.5020   | 26000. | 100 | 40821 | No  |
| 104 | GOM_TRA_1PNPDE20091220_203322_000000502085_00186_40821_9553.N1 | 20-DEC-2009 20:33:22 | Straylight | 50.000 | 179 | 24Omi2CMa | 3.0320   | 24000. | 100 | 40821 | No  |
| 105 | GOM_TRA_1PNPDE20091220_203612_000000552085_00186_40821_9554.N1 | 20-DEC-2009 20:36:12 | Straylight | 54.500 | 1   | 9Alp CMa  | -1.4400  | 11000. | 109 | 40821 | No  |
| 106 | GOM_TRA_1PNPDE20091220_203923_000000462085_00186_40821_9555.N1 | 20-DEC-2009 20:39:23 | Straylight | 46.000 | 7   | 19Bet Ori | 0.10000  | 14000. | 92  | 40821 | No  |
| 107 | GOM_TRA_1PNPDE20091220_204130_000000452085_00186_40821_9556.N1 | 20-DEC-2009 20:41:30 | Straylight | 45.000 | 30  | 46Eps Ori | 1.6940   | 30000. | 90  | 40821 | No  |
| 108 | GOM_TRA_1PNPDE20091220_204424_000000562085_00186_40821_9557.N1 | 20-DEC-2009 20:44:24 | Twilight   | 56.000 | 14  | 58Alp Ori | 0.87000  | 3000.0 | 112 | 40821 | No  |
| 109 | GOM_TRA_1PNPDE20091220_204830_000000422085_00186_40821_9558.N1 | 20-DEC-2009 20:48:30 | Bright     | 42.000 | 176 | 23Zet Tau | 3.0200   | 22000. | 84  | 40821 | No  |
| 110 | GOM_TRA_1PNPDE20091220_205035_000000432085_00186_40821_9559.N1 | 20-DEC-2009 20:50:35 | Bright     | 42.500 | 28  | 12Bet Tau | 1.6500   | 15200. | 85  | 40821 | No  |
| 111 | GOM_TRA_1PNPDE20091220_205356_000000622085_00186_40821_9560.N1 | 20-DEC-2009 20:53:56 | Bright     | 62.000 | 107 | 37The Aur | 2.6490   | 11000. | 124 | 40821 | No  |
| 112 | GOM_TRA_1PNPDE20091220_205530_000000402085_00186_40821_9561.N1 | 20-DEC-2009 20:55:30 | Bright     | 39.500 | 6   | 13Alp Aur | 0.080000 | 3400.0 | 79  | 40821 | No  |
| 113 | GOM_TRA_1PNPDE20091220_211152_000000402085_00186_40821_9562.N1 | 20-DEC-2009 21:11:52 | Bright     | 40.000 | 60  | 7Bet UMi  | 2.0810   | 3950.0 | 80  | 40821 | No  |
| 114 | GOM_TRA_1PNPDE20091220_211615_000000452085_00186_40821_9563.N1 | 20-DEC-2009 21:16:15 | Bright     | 45.000 | 32  | 77Eps UMa | 1.7630   | 11000. | 90  | 40821 | No  |
| 115 | GOM_TRA_1PNPDE20091220_211902_000000602085_00186_40821_9564.N1 | 20-DEC-2009 21:19:02 | Bright     | 60.000 | 39  | 85Eta UMa | 1.8540   | 24000. | 120 | 40821 | No  |
| 116 | GOM_TRA_1PNPDE20091220_212234_000000382085_00186_40821_9565.N1 | 20-DEC-2009 21:22:34 | Bright     | 38.000 | 180 | 27Gam Boo | 3.0400   | 8000.0 | 76  | 40821 | No  |
| 117 | GOM_TRA_1PNPDE20091220_212553_000000552085_00186_40821_9566.N1 | 20-DEC-2009 21:25:53 | Bright     | 55.000 | 83  |           | 2.3780   | 11000. | 110 | 40821 | No  |
| 118 | GOM_TRA_1PNPDE20091220_212923_000000632085_00186_40821_9567.N1 | 20-DEC-2009 21:29:23 | Bright     | 62.500 | 111 | 8Eta Boo  | 2.6800   | 6000.0 | 125 | 40821 | No  |
| 119 | GOM_TRA_1PNPDE20091220_213952_000000552085_00186_40821_9568.N1 | 20-DEC-2009 21:39:52 | Twilight   | 54.500 | 15  | 67Alp Vir | 0.97600  | 28000. | 109 | 40821 | No  |
| 120 | GOM_TRA_1PNPDE20091220_214323_000000492085_00186_40821_9569.N1 | 20-DEC-2009 21:43:23 | Dark       | 48.500 | 169 | 46Gam Hya | 2.9910   | 4700.0 | 97  | 40821 | No  |
| 121 | GOM_TRA_1PNPDE20091220_214618_000000542085_00186_40821_9570.N1 | 20-DEC-2009 21:46:18 | Dark       | 53.500 | 106 | 9Bet Crv  | 2.6480   | 5600.0 | 107 | 40821 | No  |
| 122 | GOM_TRA_1PNPDE20091220_215032_000000442085_00186_40821_9571.N1 | 20-DEC-2009 21:50:32 | Dark       | 44.000 | 64  | Gam Cen   | 2.2000   | 10600. | 88  | 40821 | No  |
| 123 | GOM_TRA_1PNPDE20091220_215214_000000422085_00187_40822_9572.N1 | 20-DEC-2009 21:52:14 | Dark       | 42.000 | 99  | Del Cen   | 2.5750   | 26000. | 84  | 40822 | No  |
| 124 | GOM_TRA_1PNPDE20091220_215618_000000462085_00187_40822_9573.N1 | 20-DEC-2009 21:56:18 | Dark       | 45.500 | 113 | Mu Vel    | 2.6920   | 5000.0 | 91  | 40822 | No  |
| 125 | GOM_TRA_1PNPDE20091220_215945_000000412085_00187_40822_9574.N1 | 20-DEC-2009 21:59:45 | Dark       | 41.000 | 71  | lot Car   | 2.2460   | 7700.0 | 82  | 40822 | No  |
| 126 | GOM_TRA_1PNPDE20091220_220240_000000642085_00187_40822_9575.N1 | 20-DEC-2009 22:02:40 | Dark       | 63.500 | 65  | Lam Vel   | 2.2040   | 4400.0 | 127 | 40822 | No  |

|     |  |                      |                |        |     |           |          |        |     |       |    |
|-----|--|----------------------|----------------|--------|-----|-----------|----------|--------|-----|-------|----|
| 127 | GOM_TRA_1PNPDE20091220_220430_000000472085_00187_40822_9576.N1 | 20-DEC-2009 22:04:30 | Dark           | 46.500 | 34  | Gam2Vel   | 1.7930   | 23000. | 93  | 40822 | No |
| 128 | GOM_TRA_1PNPDE20091220_220640_000000502085_00187_40822_9577.N1 | 20-DEC-2009 22:06:40 | Dark           | 50.000 | 70  | Zet Pup   | 2.2460   | 39000. | 100 | 40822 | No |
| 129 | GOM_TRA_1PNPDE20091220_220910_000000512085_00187_40822_9578.N1 | 20-DEC-2009 22:09:10 | Dark           | 50.500 | 117 | Pi Pup    | 2.7060   | 3800.0 | 101 | 40822 | No |
| 130 | GOM_TRA_1PNPDE20091220_221216_000000502085_00187_40822_9579.N1 | 20-DEC-2009 22:12:16 | Straylight     | 49.500 | 23  | 21Eps CMa | 1.5020   | 26000. | 99  | 40822 | No |
| 131 | GOM_TRA_1PNPDE20091220_221359_000000532085_00187_40822_9580.N1 | 20-DEC-2009 22:13:59 | Straylight     | 52.500 | 179 | 24Omi2CMa | 3.0320   | 24000. | 105 | 40822 | No |
| 132 | GOM_TRA_1PNPDE20091220_221648_000000592085_00187_40822_9581.N1 | 20-DEC-2009 22:16:48 | Straylight     | 58.500 | 1   | 9Alp CMa  | -1.4400  | 11000. | 117 | 40822 | No |
| 133 | GOM_TRA_1PNPDE20091220_221959_000000452085_00187_40822_9582.N1 | 20-DEC-2009 22:19:59 | Straylight     | 44.500 | 7   | 19Bet Ori | 0.10000  | 14000. | 89  | 40822 | No |
| 134 | GOM_TRA_1PNPDE20091220_222205_000000462085_00187_40822_9583.N1 | 20-DEC-2009 22:22:05 | Straylight     | 46.000 | 30  | 46Eps Ori | 1.6940   | 30000. | 92  | 40822 | No |
| 135 | GOM_TRA_1PNPDE20091220_222500_000000622085_00187_40822_9584.N1 | 20-DEC-2009 22:25:00 | Twilight_stray | 62.000 | 14  | 58Alp Ori | 0.87000  | 3000.0 | 124 | 40822 | No |
| 136 | GOM_TRA_1PNPDE20091220_222906_000000442085_00187_40822_9585.N1 | 20-DEC-2009 22:29:06 | Bright         | 43.500 | 176 | 23Zet Tau | 3.0200   | 22000. | 87  | 40822 | No |
| 137 | GOM_TRA_1PNPDE20091220_223110_000000442085_00187_40822_9586.N1 | 20-DEC-2009 22:31:10 | Bright         | 43.500 | 28  | 12Bet Tau | 1.6500   | 15200. | 87  | 40822 | No |
| 138 | GOM_TRA_1PNPDE20091220_223431_000000432085_00187_40822_9587.N1 | 20-DEC-2009 22:34:31 | Bright         | 43.000 | 107 | 37The Aur | 2.6490   | 11000. | 86  | 40822 | No |
| 139 | GOM_TRA_1PNPDE20091220_223605_000000432085_00187_40822_9588.N1 | 20-DEC-2009 22:36:05 | Bright         | 42.500 | 6   | 13Alp Aur | 0.080000 | 3400.0 | 85  | 40822 | No |
| 140 | GOM_TRA_1PNPDE20091220_225228_000000342085_00187_40822_9589.N1 | 20-DEC-2009 22:52:28 | Bright         | 33.500 | 60  | 7Bet UMi  | 2.0810   | 3950.0 | 67  | 40822 | No |
| 141 | GOM_TRA_1PNPDE20091220_225650_000000452085_00187_40822_9590.N1 | 20-DEC-2009 22:56:50 | Bright         | 44.500 | 32  | 77Eps UMa | 1.7630   | 11000. | 89  | 40822 | No |
| 142 | GOM_TRA_1PNPDE20091220_225937_000000582085_00187_40822_9591.N1 | 20-DEC-2009 22:59:37 | Bright         | 58.000 | 39  | 85Eta UMa | 1.8540   | 24000. | 116 | 40822 | No |
| 143 | GOM_TRA_1PNPDE20091220_230309_000000562085_00187_40822_9592.N1 | 20-DEC-2009 23:03:09 | Bright         | 56.000 | 180 | 27Gam Boo | 3.0400   | 8000.0 | 112 | 40822 | No |
| 144 | GOM_TRA_1PNPDE20091220_230629_000000382085_00187_40822_9593.N1 | 20-DEC-2009 23:06:29 | Bright         | 37.500 | 83  |           | 2.3780   | 11000. | 75  | 40822 | No |
| 145 | GOM_TRA_1PNPDE20091220_231000_000000642085_00187_40822_9594.N1 | 20-DEC-2009 23:10:00 | Bright         | 63.500 | 111 | 8Eta Boo  | 2.6800   | 6000.0 | 127 | 40822 | No |
| 146 | GOM_TRA_1PNPDE20091220_232029_000000542085_00187_40822_9592.N1 | 20-DEC-2009 23:20:29 | Twilight_stray | 53.500 | 15  | 67Alp Vir | 0.97600  | 28000. | 107 | 40822 | No |
| 147 | GOM_TRA_1PNPDE20091220_232400_000000502085_00187_40822_9593.N1 | 20-DEC-2009 23:24:00 | Dark           | 49.500 | 169 | 46Gam Hya | 2.9910   | 4700.0 | 99  | 40822 | No |
| 148 | GOM_TRA_1PNPDE20091220_232655_000000542085_00187_40822_9594.N1 | 20-DEC-2009 23:26:55 | Dark           | 53.500 | 106 | 9Bet Crv  | 2.6480   | 5600.0 | 107 | 40822 | No |
| 149 | GOM_TRA_1PNPDE20091220_233109_000000402085_00187_40822_9595.N1 | 20-DEC-2009 23:31:09 | Dark           | 40.000 | 64  | Gam Cen   | 2.2000   | 10600. | 80  | 40822 | No |
| 150 | GOM_TRA_1PNPDE20091220_233251_000000412085_00188_40823_9596.N1 | 20-DEC-2009 23:32:51 | Dark           | 41.000 | 99  | Del Cen   | 2.5750   | 26000. | 82  | 40823 | No |
| 151 | GOM_TRA_1PNPDE20091220_233655_000000462085_00188_40823_9597.N1 | 20-DEC-2009 23:36:55 | Dark           | 45.500 | 113 | Mu Vel    | 2.6920   | 5000.0 | 91  | 40823 | No |
| 152 | GOM_TRA_1PNPDE20091220_234022_000000412085_00188_40823_9598.N1 | 20-DEC-2009 23:40:22 | Dark           | 41.000 | 71  | lot Car   | 2.2460   | 7700.0 | 82  | 40823 | No |
| 153 | GOM_TRA_1PNPDE20091220_234316_000000622085_00188_40823_9599.N1 | 20-DEC-2009 23:43:16 | Dark           | 61.500 | 65  | Lam Vel   | 2.2040   | 4400.0 | 123 | 40823 | No |
| 154 | GOM_TRA_1PNPDE20091220_234506_000000472085_00188_40823_9600.N1 | 20-DEC-2009 23:45:06 | Dark           | 47.000 | 34  | Gam2Vel   | 1.7930   | 23000. | 94  | 40823 | No |
| 155 | GOM_TRA_1PNPDE20091220_234716_000000522085_00188_40823_9601.N1 | 20-DEC-2009 23:47:16 | Dark           | 52.000 | 70  | Zet Pup   | 2.2460   | 39000. | 104 | 40823 | No |
| 156 | GOM_TRA_1PNPDE20091220_234946_000000502085_00188_40823_9602.N1 | 20-DEC-2009 23:49:46 | Dark           | 50.000 | 117 | Pi Pup    | 2.7060   | 3800.0 | 100 | 40823 | No |
| 157 | GOM_TRA_1PNPDE20091220_235252_000000532085_00188_40823_9603.N1 | 20-DEC-2009 23:52:52 | Straylight     | 52.500 | 23  | 21Eps CMa | 1.5020   | 26000. | 105 | 40823 | No |
| 158 | GOM_TRA_1PNPDE20091220_235435_000000512085_00188_40823_9604.N1 | 20-DEC-2009 23:54:35 | Straylight     | 51.000 | 179 | 24Omi2CMa | 3.0320   | 24000. | 102 | 40823 | No |
| 159 | GOM_TRA_1PNPDE20091220_235724_000000592085_00188_40823_9605.N1 | 20-DEC-2009 23:57:24 | Straylight     | 58.500 | 1   | 9Alp CMa  | -1.4400  | 11000. | 117 | 40823 | 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.

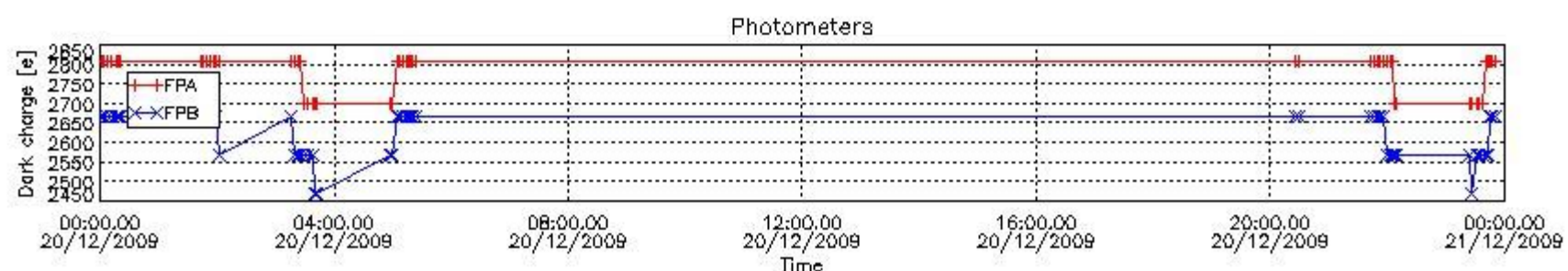
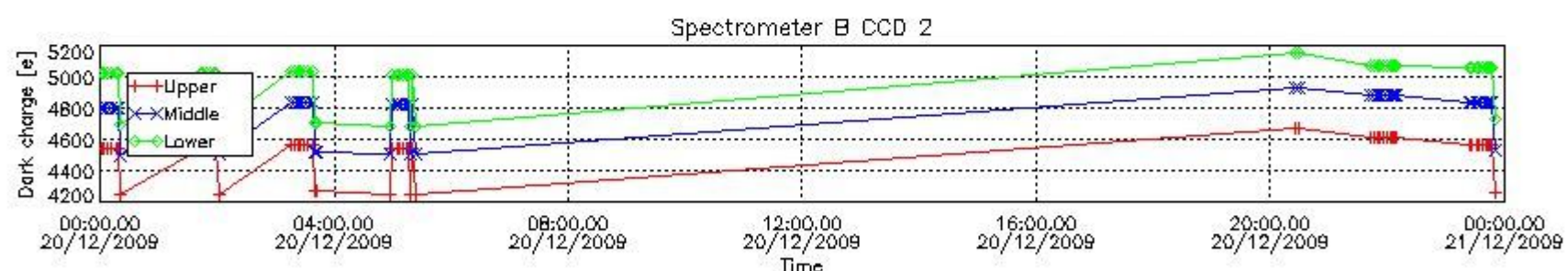
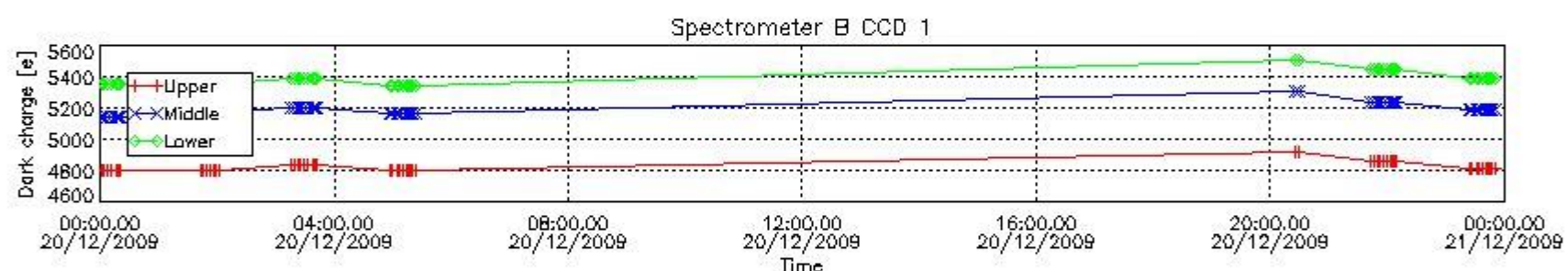
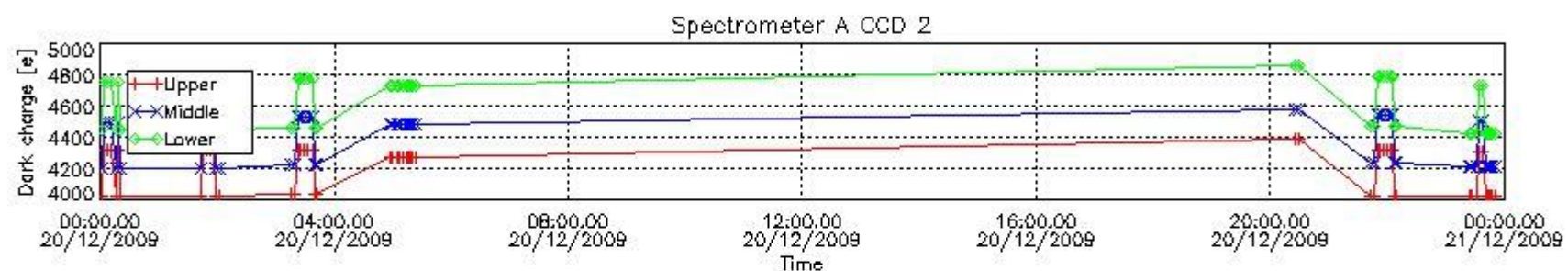
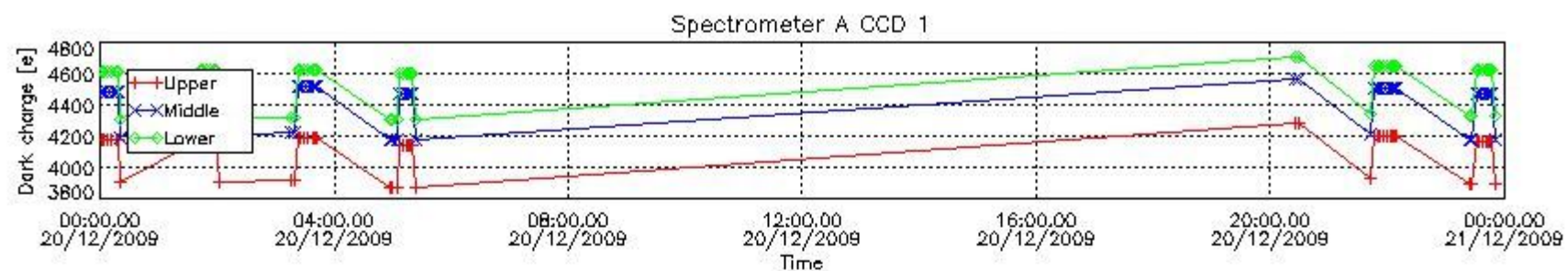
##### 4.1 These products did not use the DSA observation for DC computation:

| Product name   | DC information        |
|--|-----------------------|
| GOM_TRA_1PNPDE20091220_202353_000000482085_00186_40821_9549.N1 | DC map with no T dep. |
| GOM_TRA_1PNPDE20091220_202603_000000492085_00186_40821_9550.N1 | DC map used           |
| GOM_TRA_1PNPDE20091220_202834_000000512085_00186_40821_9551.N1 | DC map used           |
| GOM_TRA_1PNPDE20091220_203140_000000502085_00186_40821_9552.N1 | DC map used           |
| GOM_TRA_1PNPDE20091220_203322_000000502085_00186_40821_9553.N1 | DC map used           |
| GOM_TRA_1PNPDE20091220_203612_000000552085_00186_40821_9554.N1 | DC map used           |
| GOM_TRA_1PNPDE20091220_203923_000000462085_00186_40821_9555.N1 | DC map used           |
| GOM_TRA_1PNPDE20091220_204130_000000452085_00186_40821_9556.N1 | DC map used           |
| GOM_TRA_1PNPDE20091220_204424_000000562085_00186_40821_9557.N1 | DC map used           |
| GOM_TRA_1PNPDE20091220_204830_000000422085_00186_40821_9558.N1 | DC map used           |
| GOM_TRA_1PNPDE20091220_205035_000000432085_00186_40821_9559.N1 | DC map used           |
| GOM_TRA_1PNPDE20091220_205356_000000622085_00186_40821_9560.N1 | DC map used           |
| GOM_TRA_1PNPDE20091220_205530_000000402085_00186_40821_9561.N1 | DC map used           |
| GOM_TRA_1PNPDE20091220_211152_000000402085_00186_40821_9562.N1 | DC map used           |



|  |             |
|--|-------------|
| GOM_TRA_1PNPDE20091220_211615_000000452085_00186_40821_9563.N1 | DC map used |
| GOM_TRA_1PNPDE20091220_211902_000000602085_00186_40821_9564.N1 | DC map used |
| GOM_TRA_1PNPDE20091220_212234_000000382085_00186_40821_9565.N1 | DC map used |
| GOM_TRA_1PNPDE20091220_212553_000000552085_00186_40821_9566.N1 | DC map used |
| GOM_TRA_1PNPDE20091220_212923_000000632085_00186_40821_9567.N1 | DC map used |

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

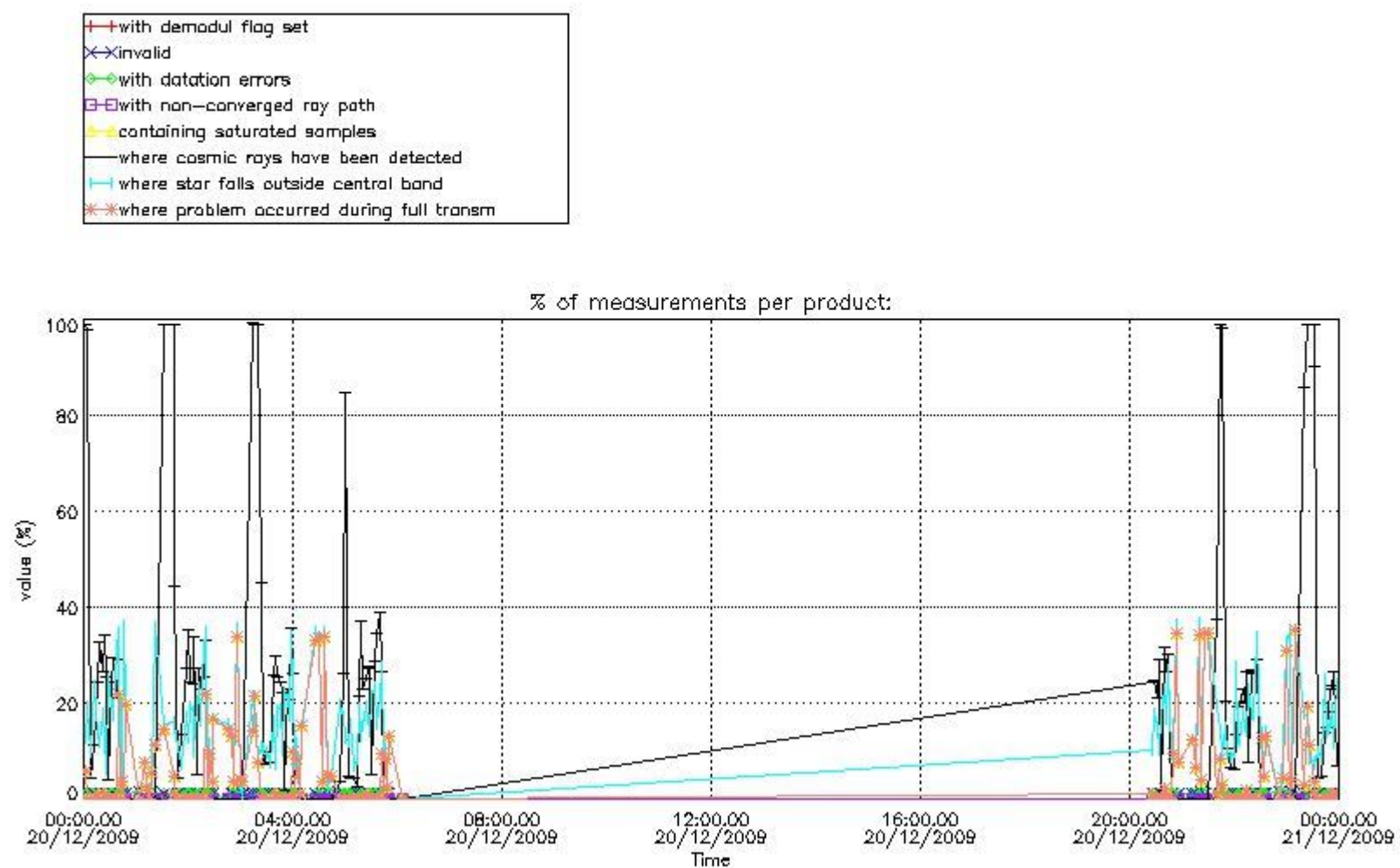


In this section it is presented the modulation information extracted from the pcd (product confidence data) at measurement level and information extracted from the Quality Summary dataset. Only products without errors (error flag in the MPH set to "0") are used.

### 5.1 Percentage of products during reporting period with:

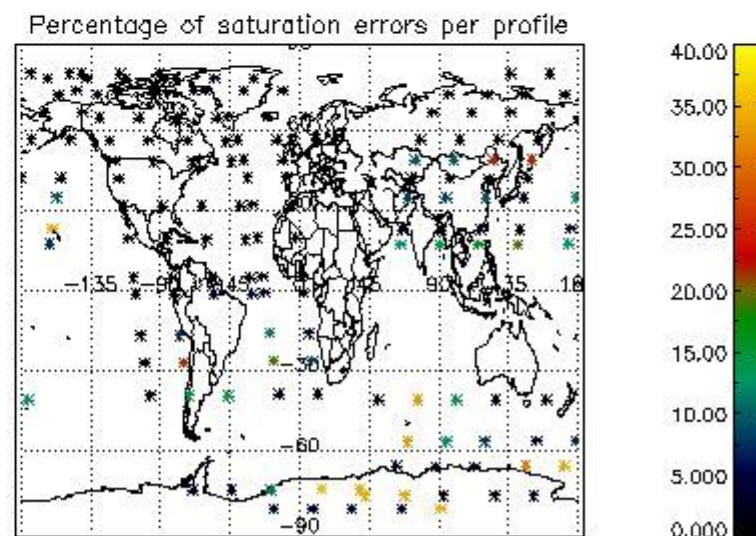
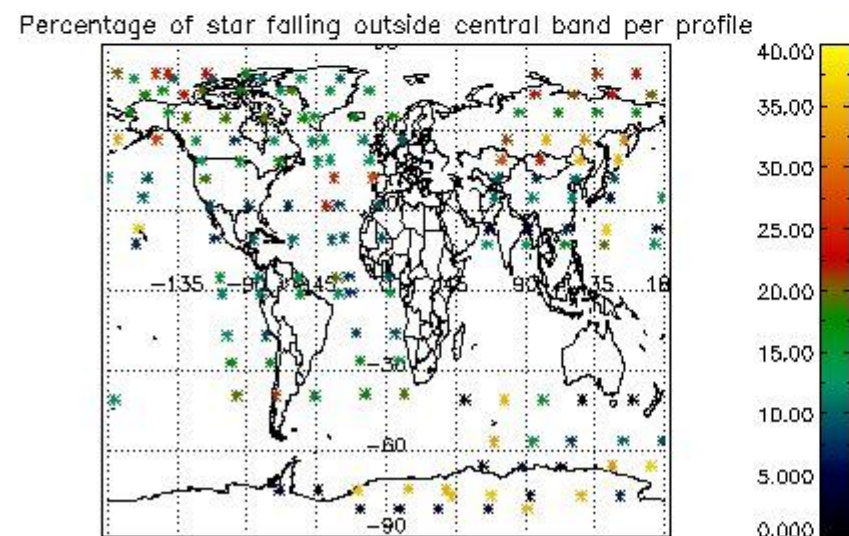
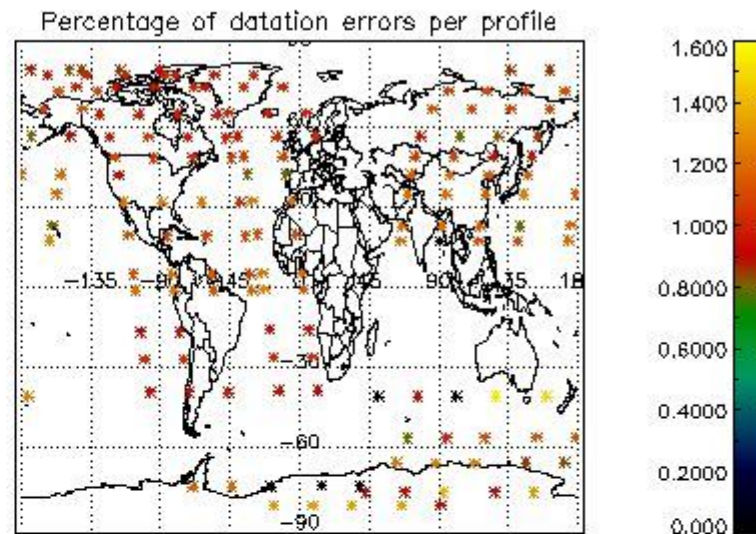
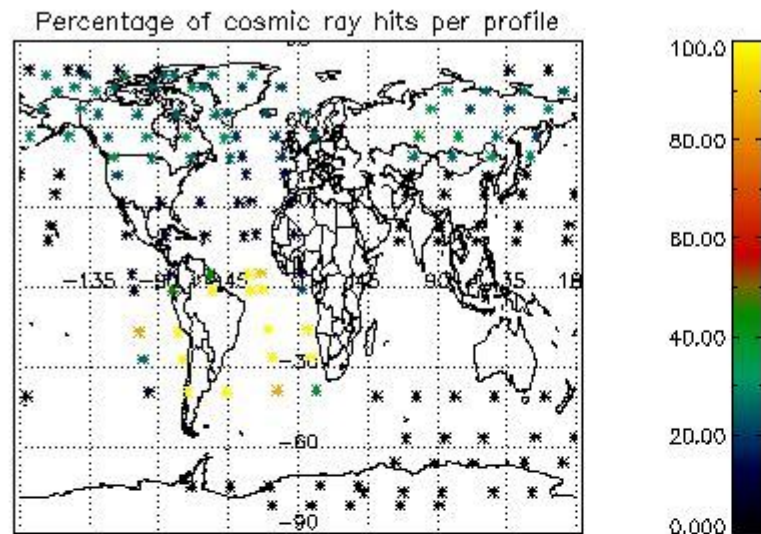
|   |           |
|---|-----------|
| At least one measurement with demodulation flag set:  | 54.4304 % |
| Reference spectrum computed from DB:                  | 0.00000 % |
| Reference spectrum with small number of measurements: | 0.00000 % |
| SATU data not used:                                   | 0.00000 % |

### 5.2 Plot quality information per product (time dependant)



### 5.3 Plot quality information per product (world map)





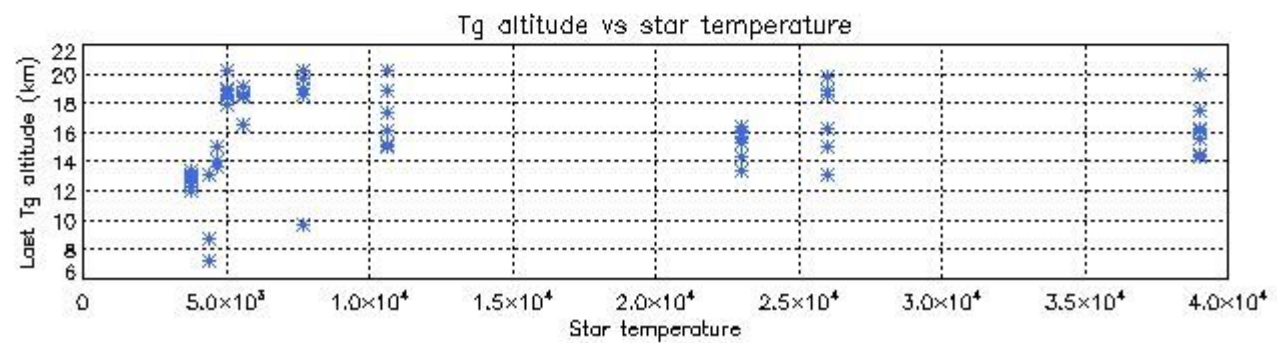
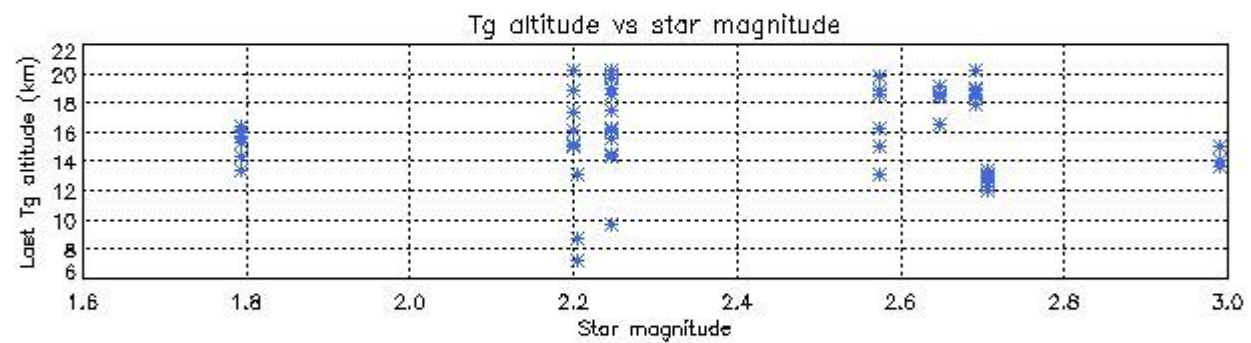
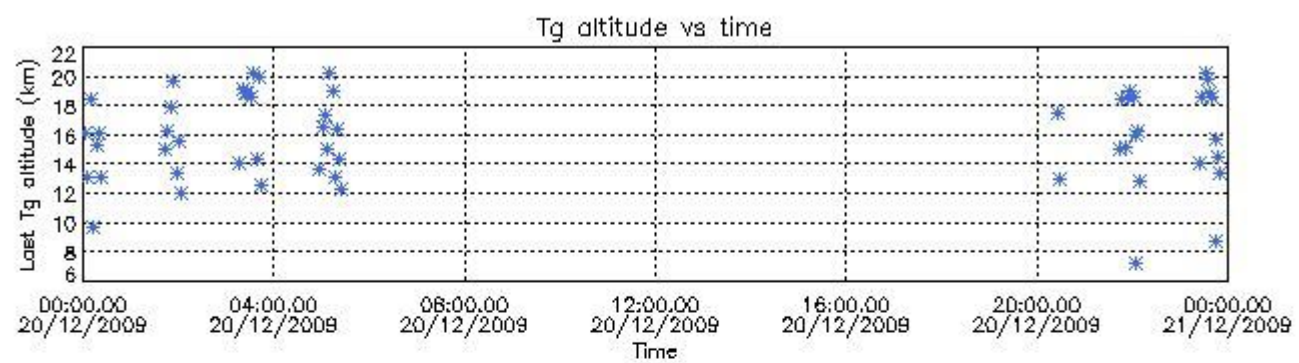
## 6. Statistics and plot of tangent altitude of the last measurement (DARK & BRIGHT products without errors)

### 6.1 Statistics on tangent altitude lost:

| Statistics      | DARK   | BRIGHT | TWILIGHT |
|-----------------|--------|--------|----------|
| Mean:           | 15.930 | 15.659 | NaN      |
| St. deviation:  | 3.0284 | 7.2898 | NaN      |
| Maximum:        | 20.224 | 30.618 | NaN      |
| Minimum:        | 7.2139 | 3.4843 | NaN      |
| Number of data: | 55.000 | 54.000 | NaN      |

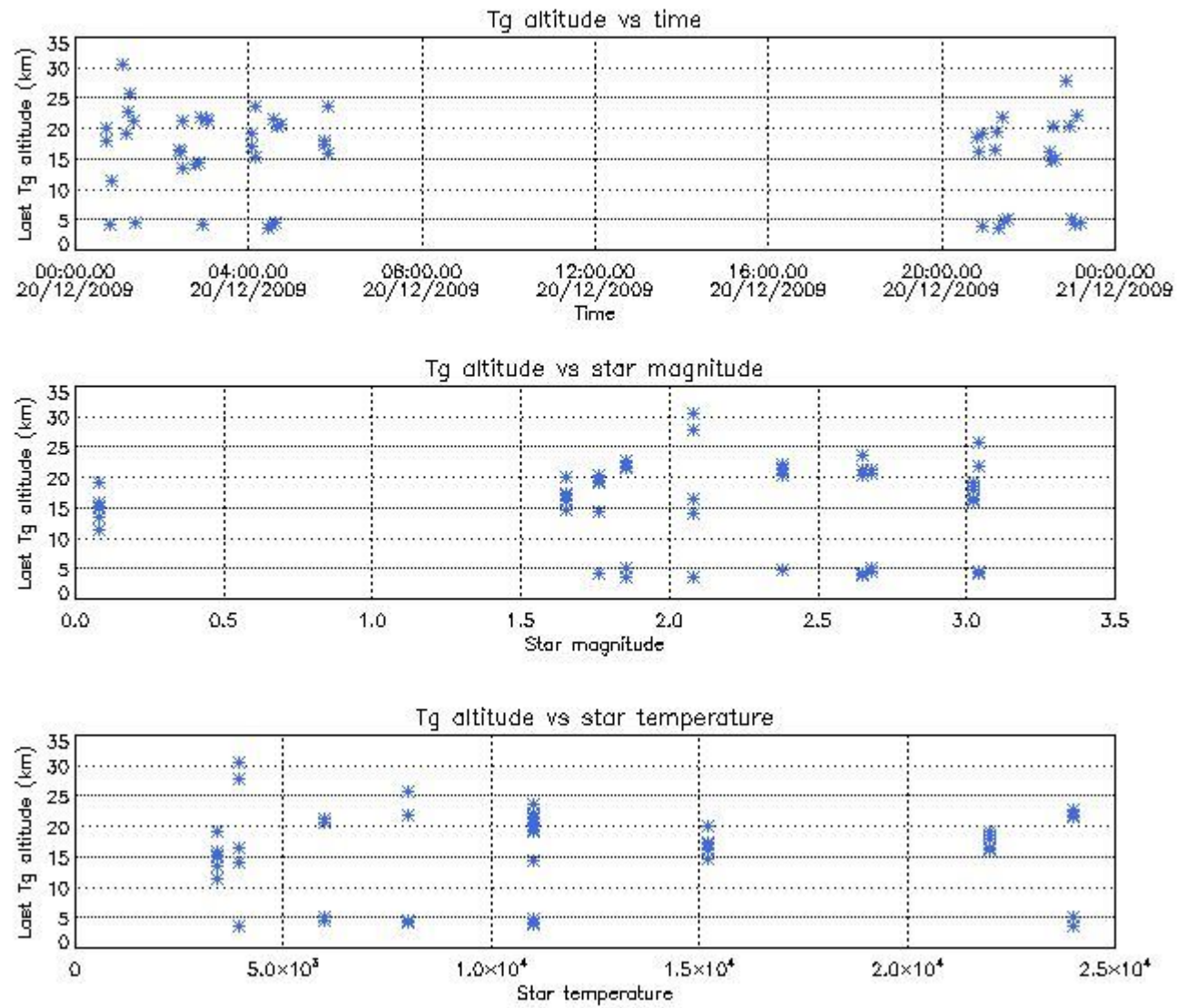
### 6.2 Plot for DARK limb products

Tangent altitude at which the star is lost



6.3 Plot for BRIGHT limb products

## Tangent altitude at which the star is lost



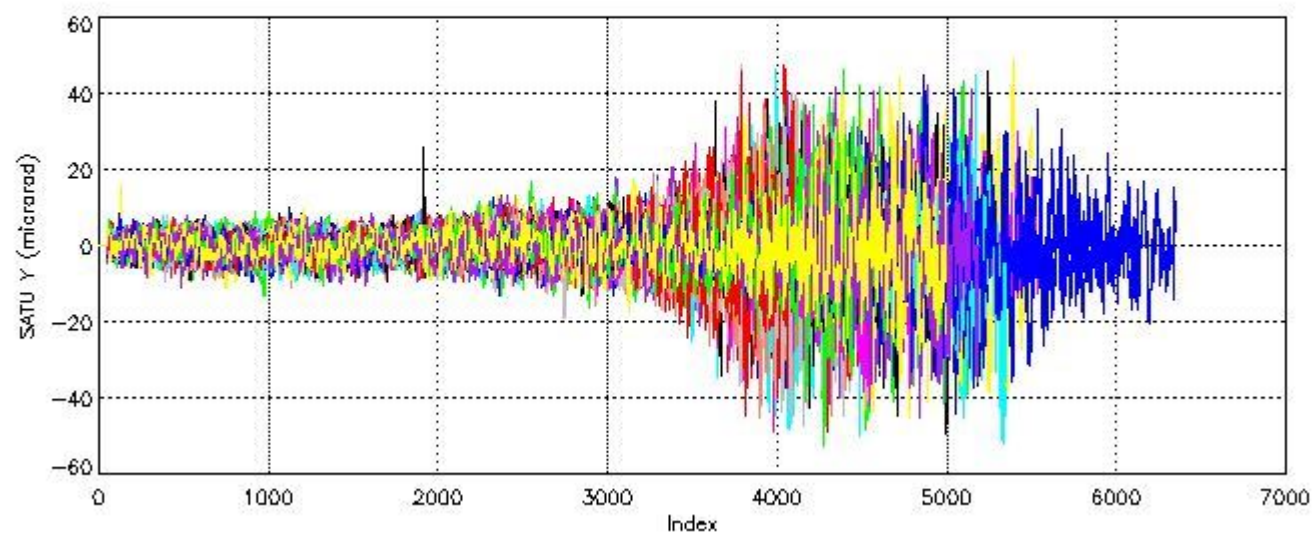
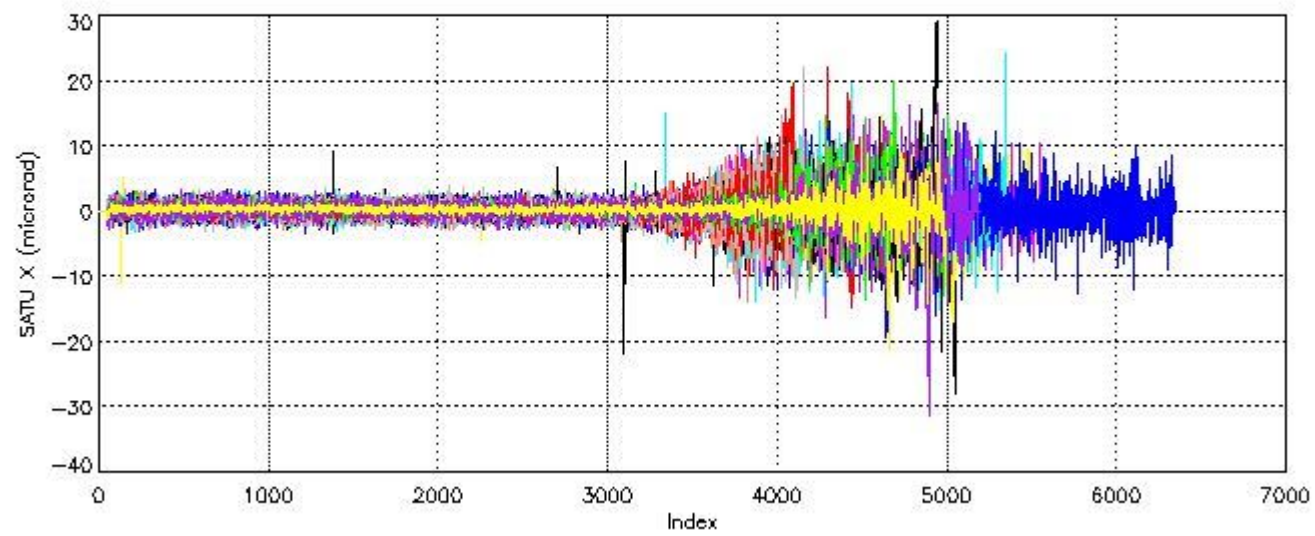
## 7. Star Acquisition and Tracking Unit (SATU)

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:          | 0.24370    | -0.15095   | 0.16396    | -0.27351   |
| St. deviation: | 0.62479    | 2.2699     | 0.79372    | 2.5413     |
| Maximum:       | 5.2000     | 15.800     | 16.600     | 13.900     |
| Minimum:       | -11.200    | -13.000    | -6.3000    | -47.700    |

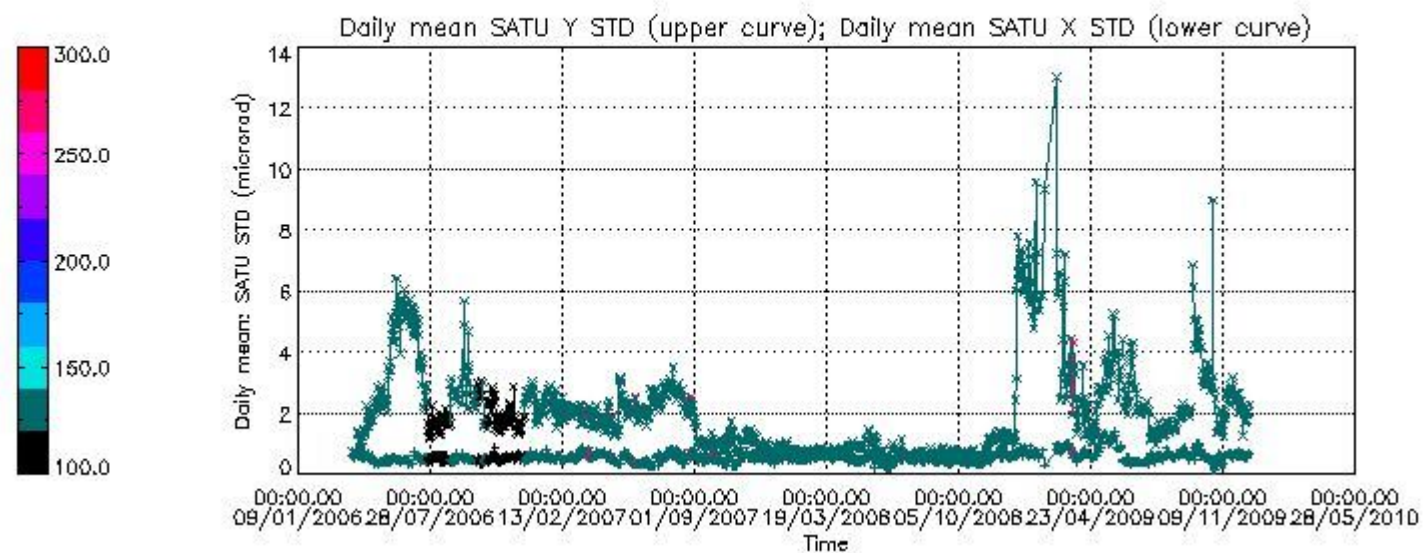
|                 |        |        |        |        |
|-----------------|--------|--------|--------|--------|
| Number of data: | 57250. | 57250. | 51450. | 51450. |
|-----------------|--------|--------|--------|--------|

### 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.

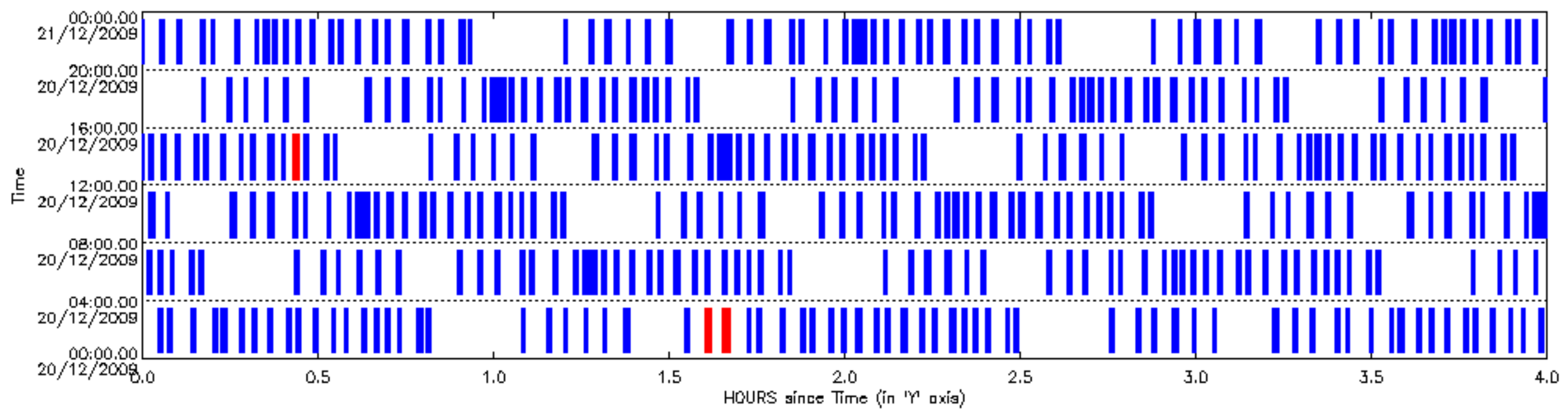
Upper curve: STD of SATU Y axis  
Lower curve: STD of SATU X axis



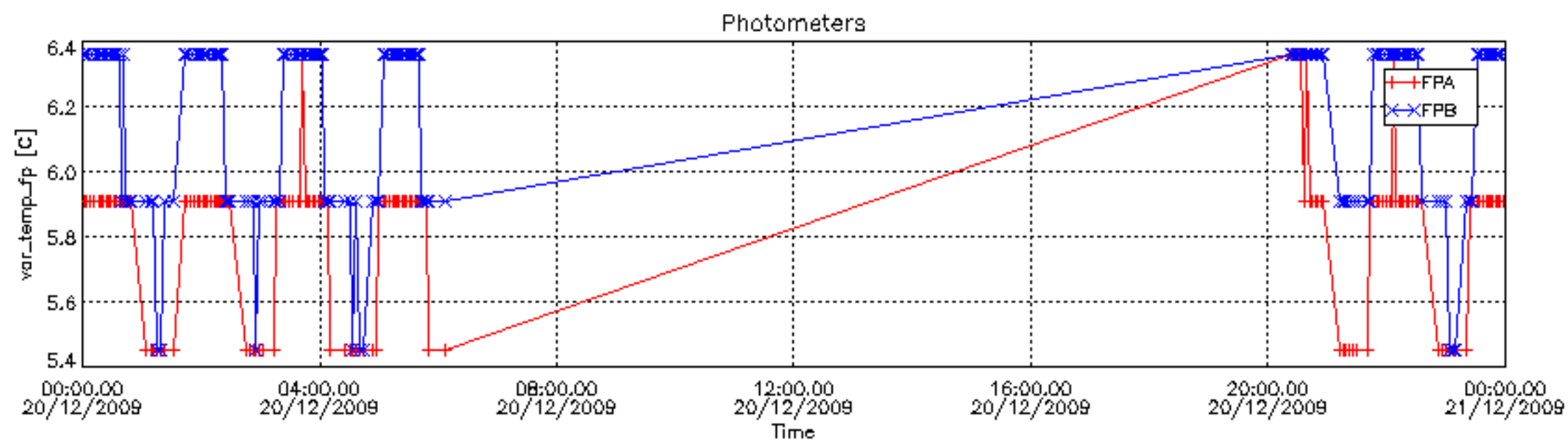
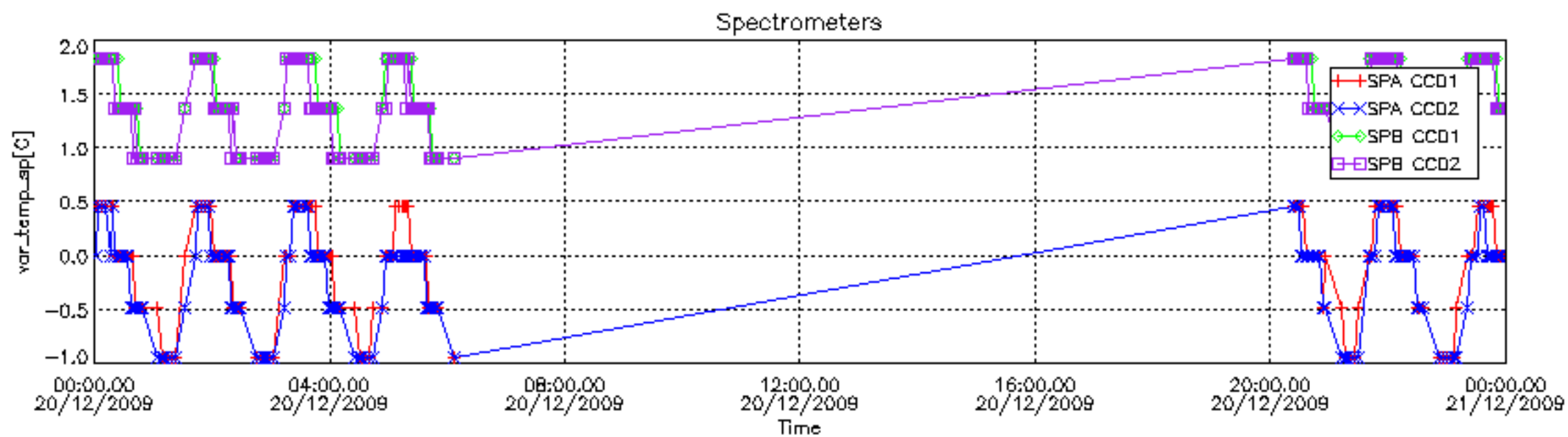
### 8. Auxiliary Data Files used for the production reported in section 2.4

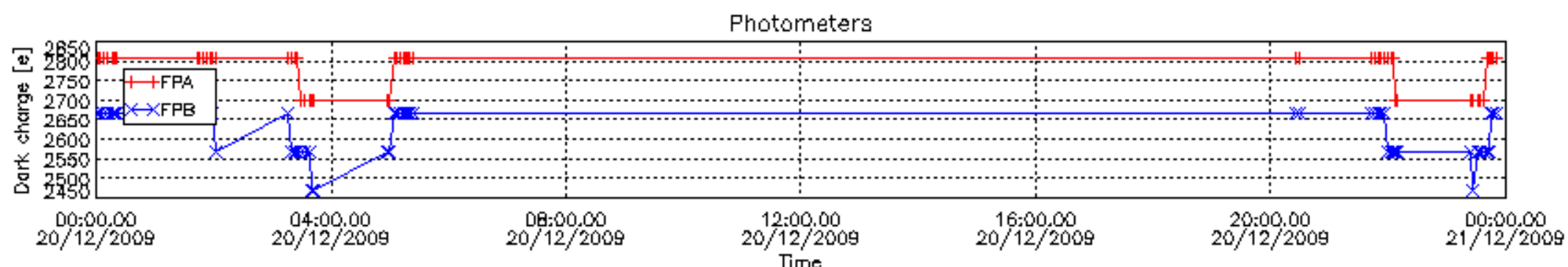
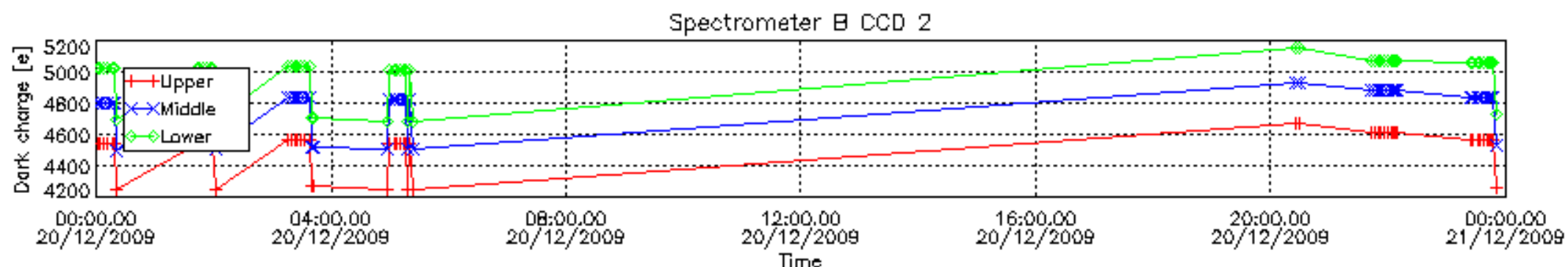
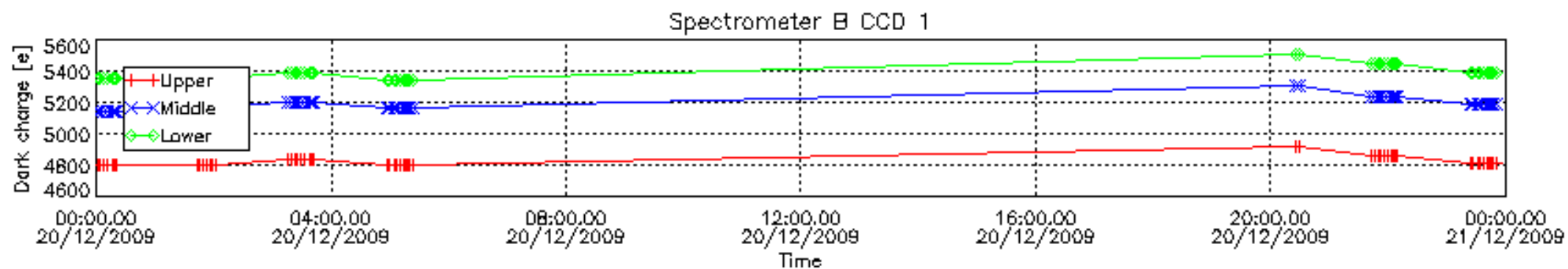
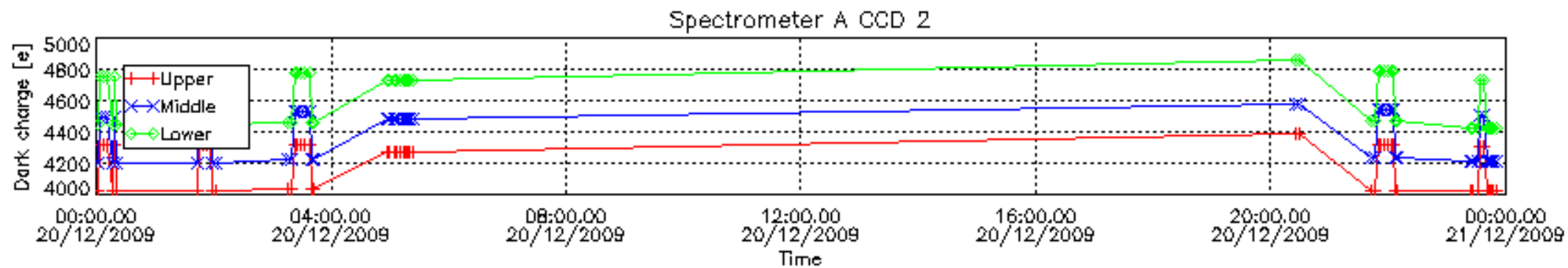
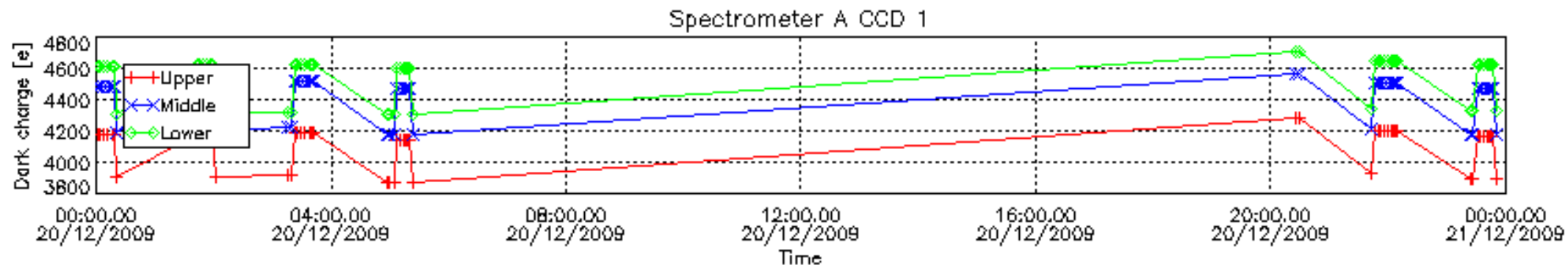
The number reported in the third column indicates since which file (see list in section 2.4) the corresponding auxiliary file has been used. The fourth column is the date of those product files.

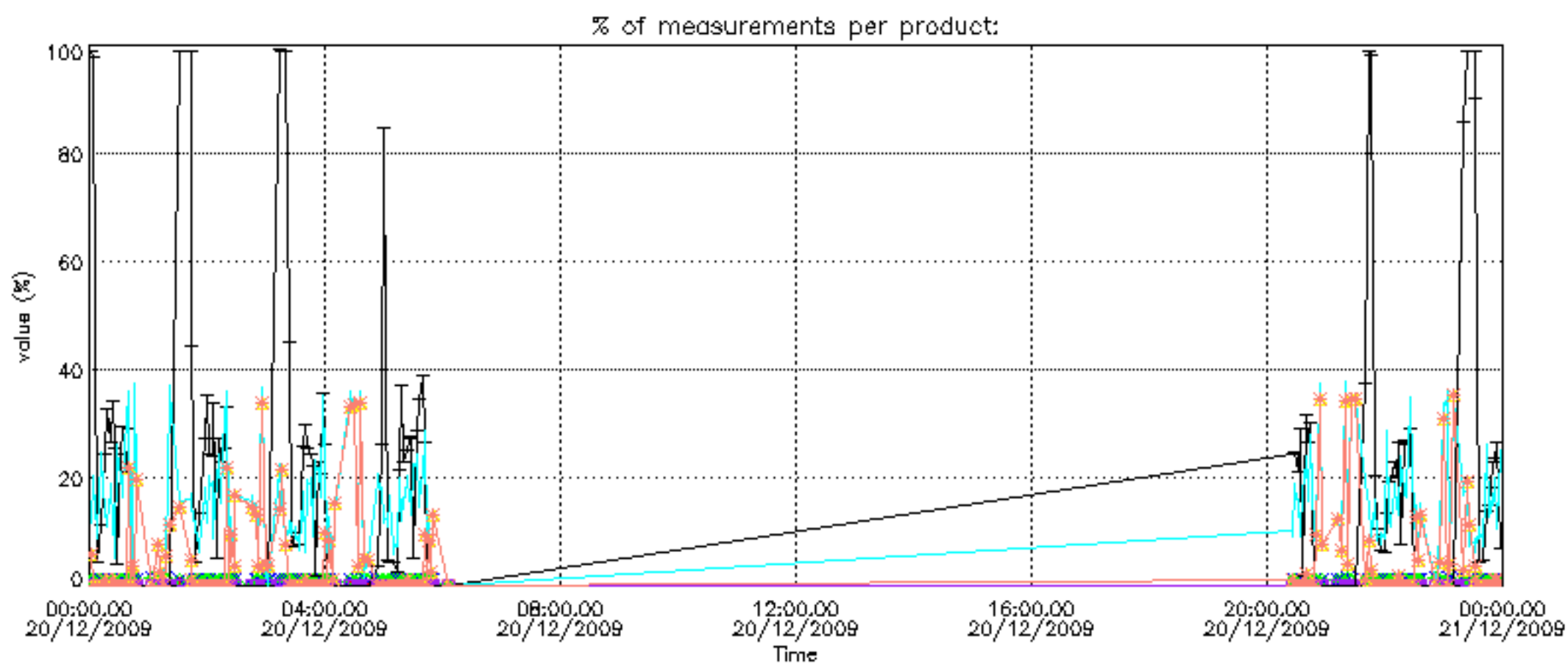
| Type                      | Auxiliary Filename   | Used since product | Used since product date |
|---------------------------|--|--------------------|-------------------------|
| INST_PHYS_CHARACTERISTICS | GOM_INS_AXVIEC20091111_143220_20030716_120000_20500101_000000  | 1                  | 20-DEC-2009 00:02:36    |
| CALIBRATION_DATABASE      | GOM_CAL_AXVIEC20091214_085046_20091212_000000_20500101_000000  | 1                  | 20-DEC-2009 00:02:36    |
| LEVEL-1B_PROC_CONFIG      | GOM_PR1_AXVIEC20091111_145255_20020301_000000_20500101_000000  | 1                  | 20-DEC-2009 00:02:36    |
| STAR_CATALOGUE            | GOM_CAT_AXVIEC20020121_161009_20020101_000000_20200101_000000  | 1                  | 20-DEC-2009 00:02:36    |
| STELLAR_SPECTRA_DATABANK  | GOM_STS_AXVIEC20091111_151504_20020101_160000_20500101_000000  | 1                  | 20-DEC-2009 00:02:36    |
| ECMWF_FILE                | AUX_ECF_AXNECM20091219_062113_20091219_210000_20091220_090000  | 1                  | 20-DEC-2009 00:02:36    |
| ECMWF_FILE                | MISSING  | 100                | 20-DEC-2009 20:23:53    |
| OPTIONAL_ECMWF_FILE       | MISSING  | 1                  | 20-DEC-2009 00:02:36    |
| ORBIT_DATA_FILE           | DOR_NAV_OPNPDE20091219_234729_000057382085_00173_40808_9393.N1 | 1                  | 20-DEC-2009 00:02:36    |
| ORBIT_DATA_FILE           | DOR_NAV_OPNPDE20091220_012826_000041442085_00174_40809_9394.N1 | 25                 | 20-DEC-2009 01:32:30    |
| ORBIT_DATA_FILE           | DOR_NAV_OPNPDE20091220_024249_000057382085_00175_40810_9395.N1 | 45                 | 20-DEC-2009 02:49:42    |
| ORBIT_DATA_FILE           | DOR_NAV_OPNPDE20091220_042346_000057382085_00176_40811_9396.N1 | 71                 | 20-DEC-2009 04:25:53    |
| ORBIT_DATA_FILE           | DOR_NAV_OPNPDE20091220_202008_000041442085_00186_40821_9397.N1 | 100                | 20-DEC-2009 20:23:53    |
| ORBIT_DATA_FILE           | DOR_NAV_OPNPDE20091220_213431_000057382085_00186_40821_9398.N1 | 119                | 20-DEC-2009 21:39:52    |
| ORBIT_DATA_FILE           | DOR_NAV_OPNPDE20091220_231528_000057382085_00187_40822_9399.N1 | 146                | 20-DEC-2009 23:20:29    |





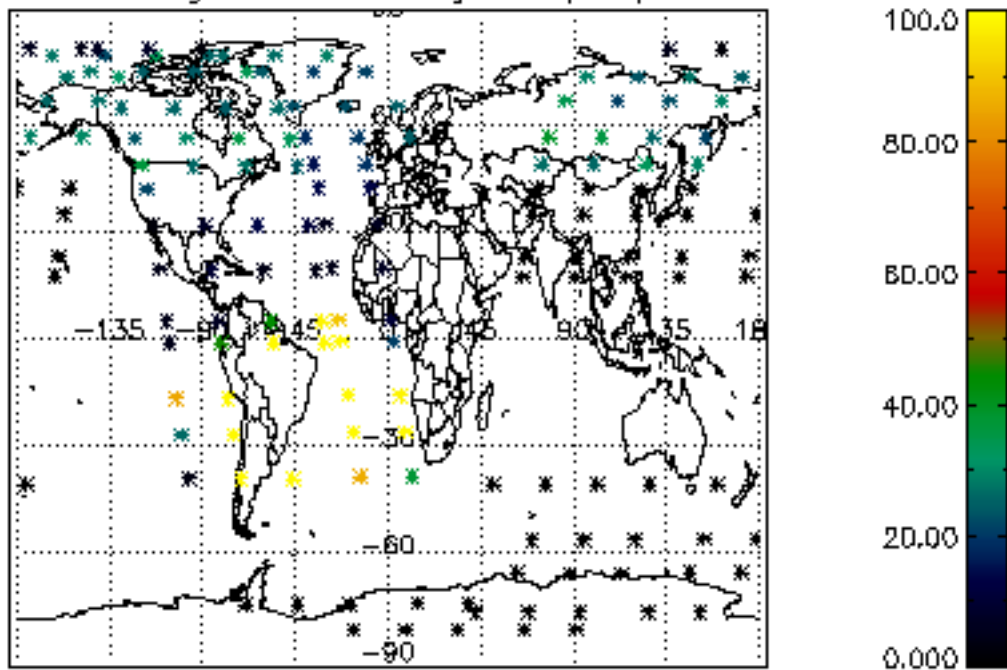




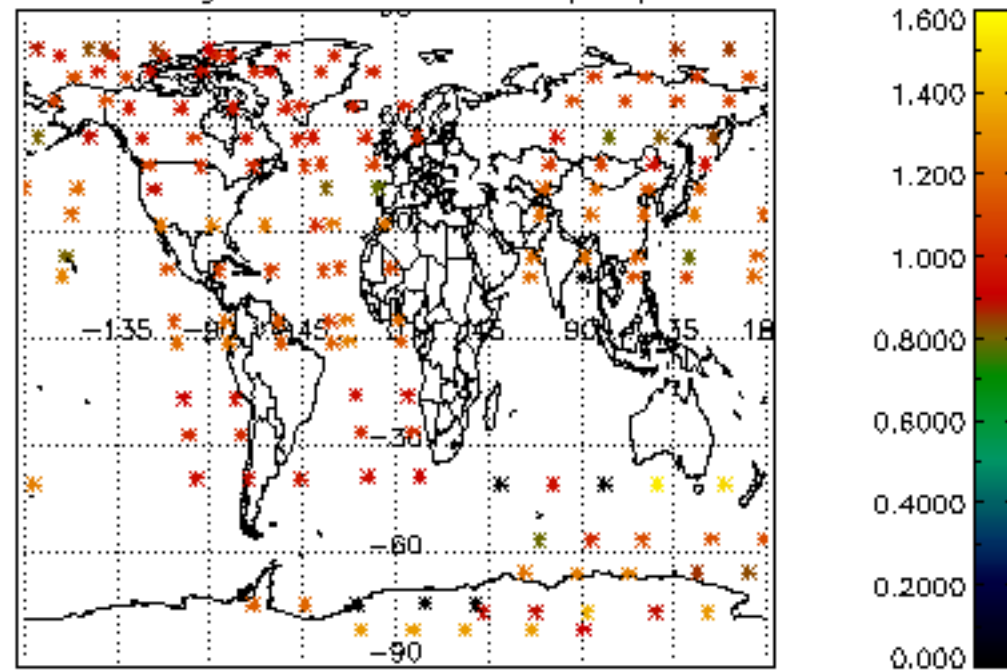




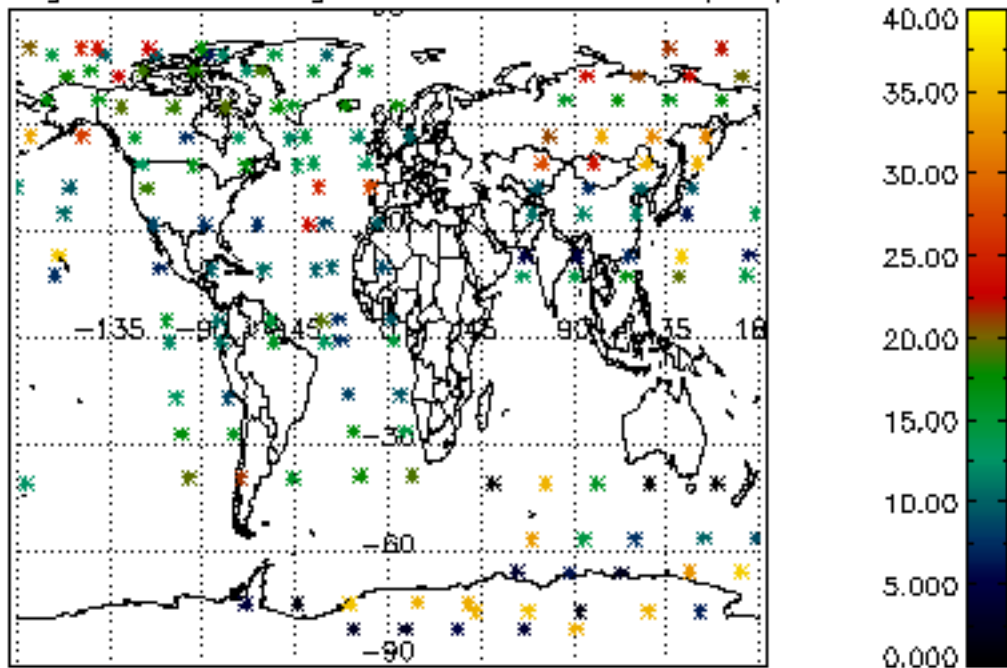
Percentage of cosmic ray hits per profile



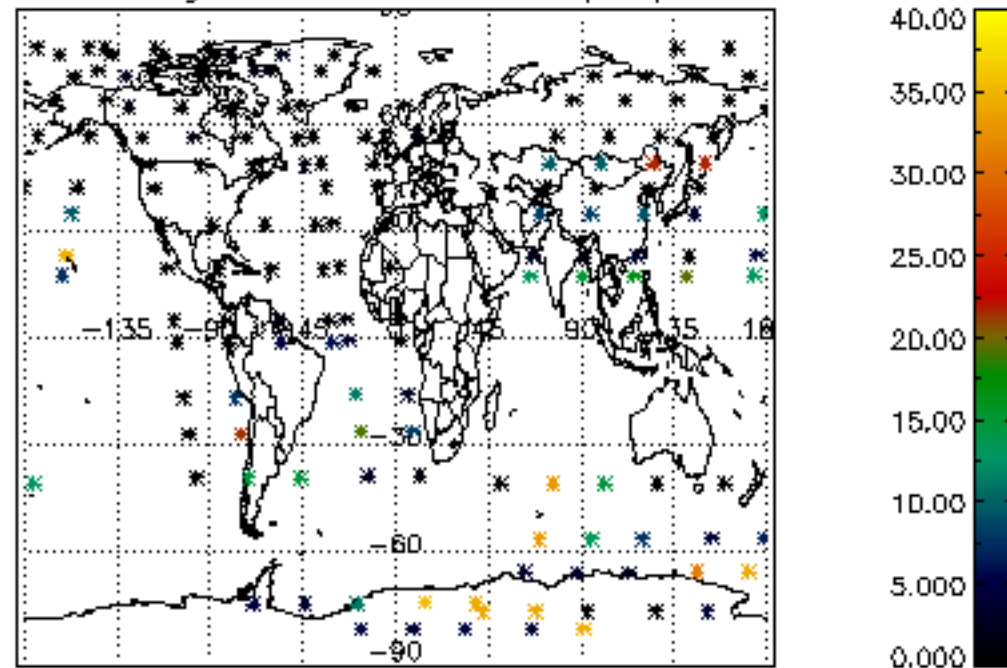
Percentage of datation errors per profile



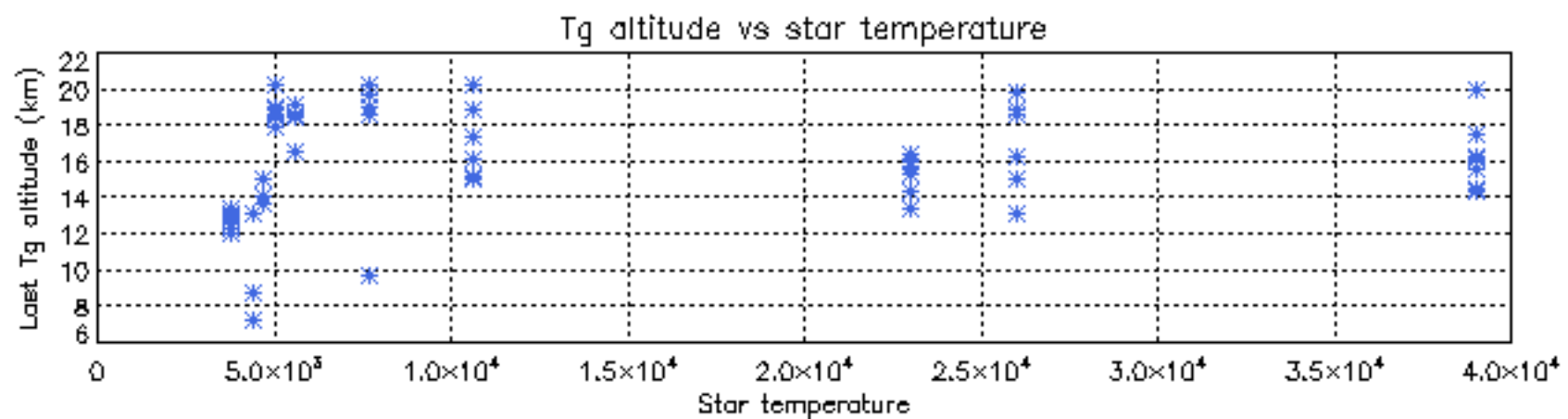
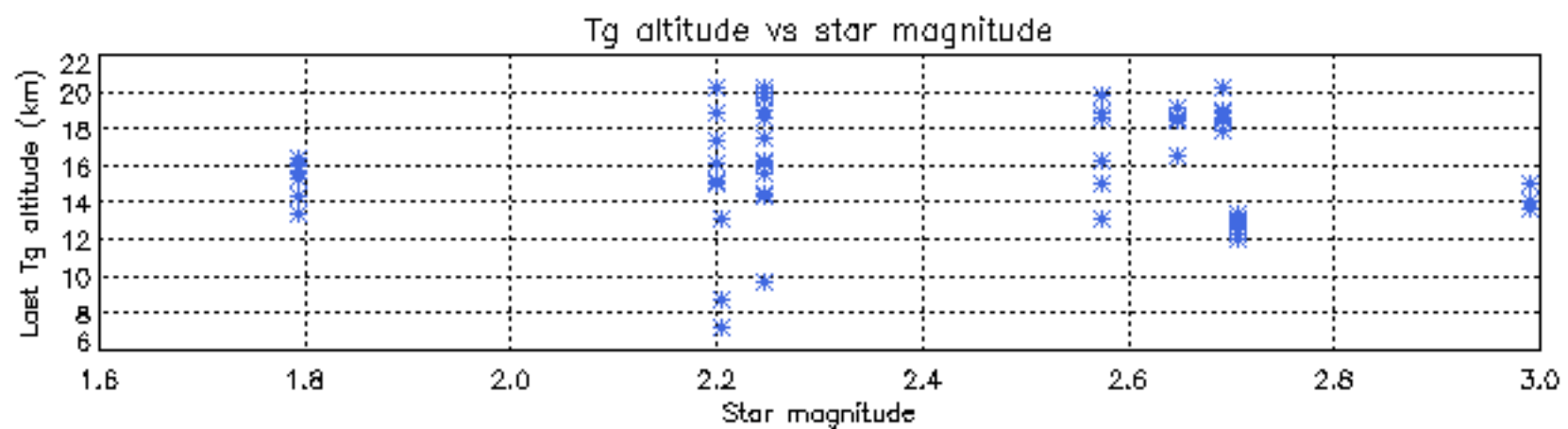
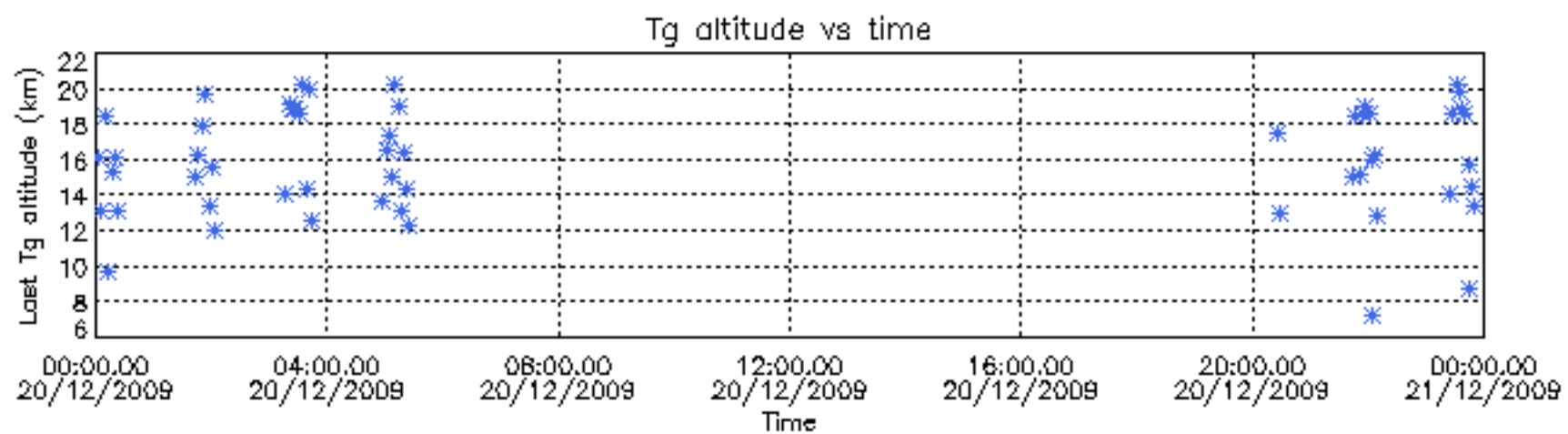
Percentage of star falling outside central band per profile



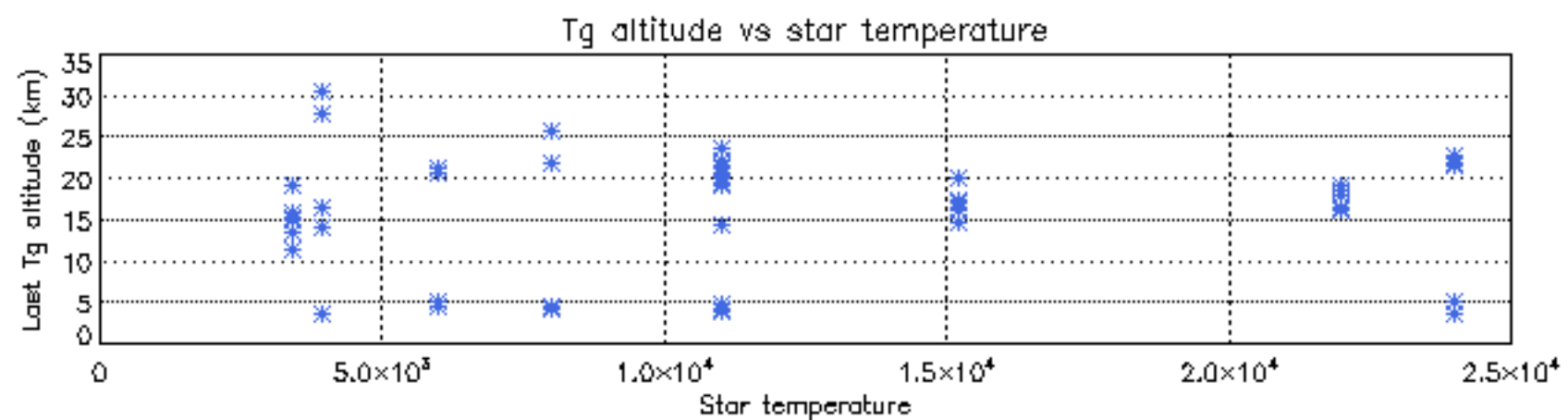
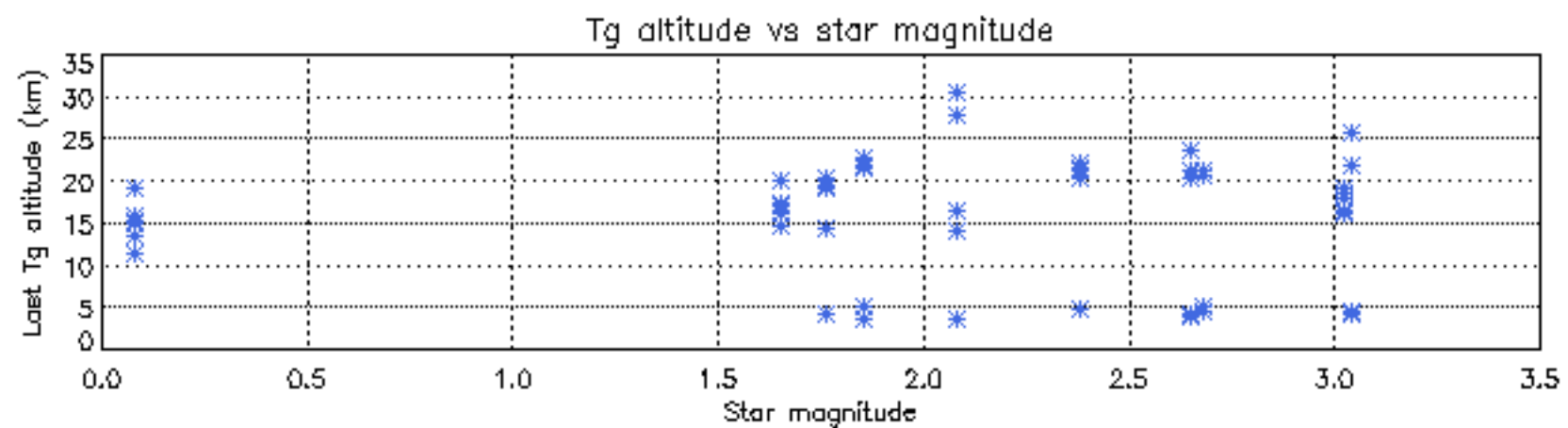
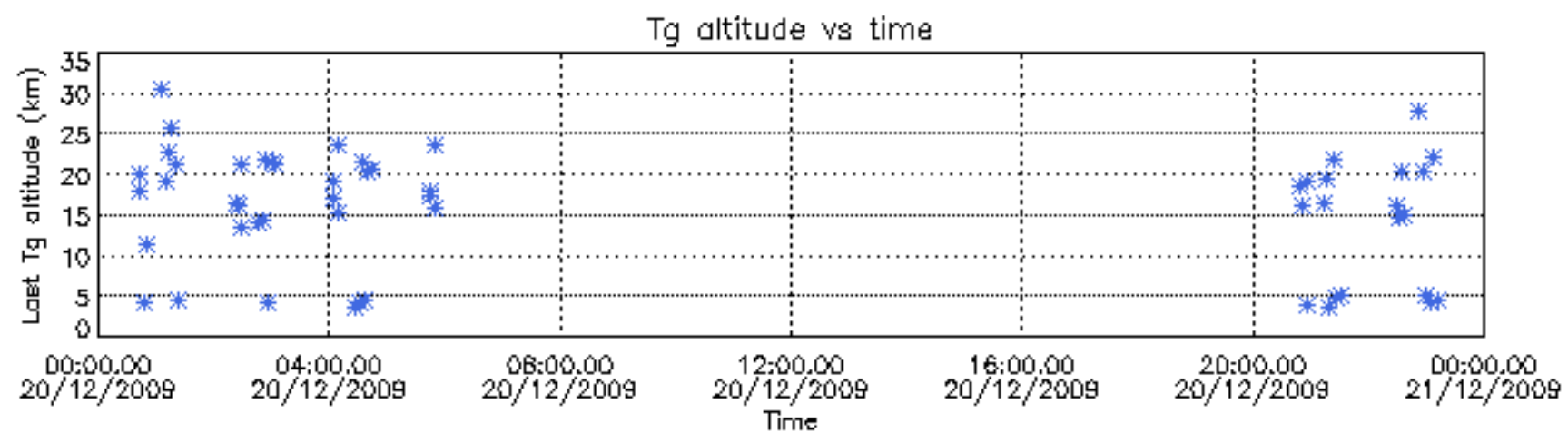
Percentage of saturation errors per profile



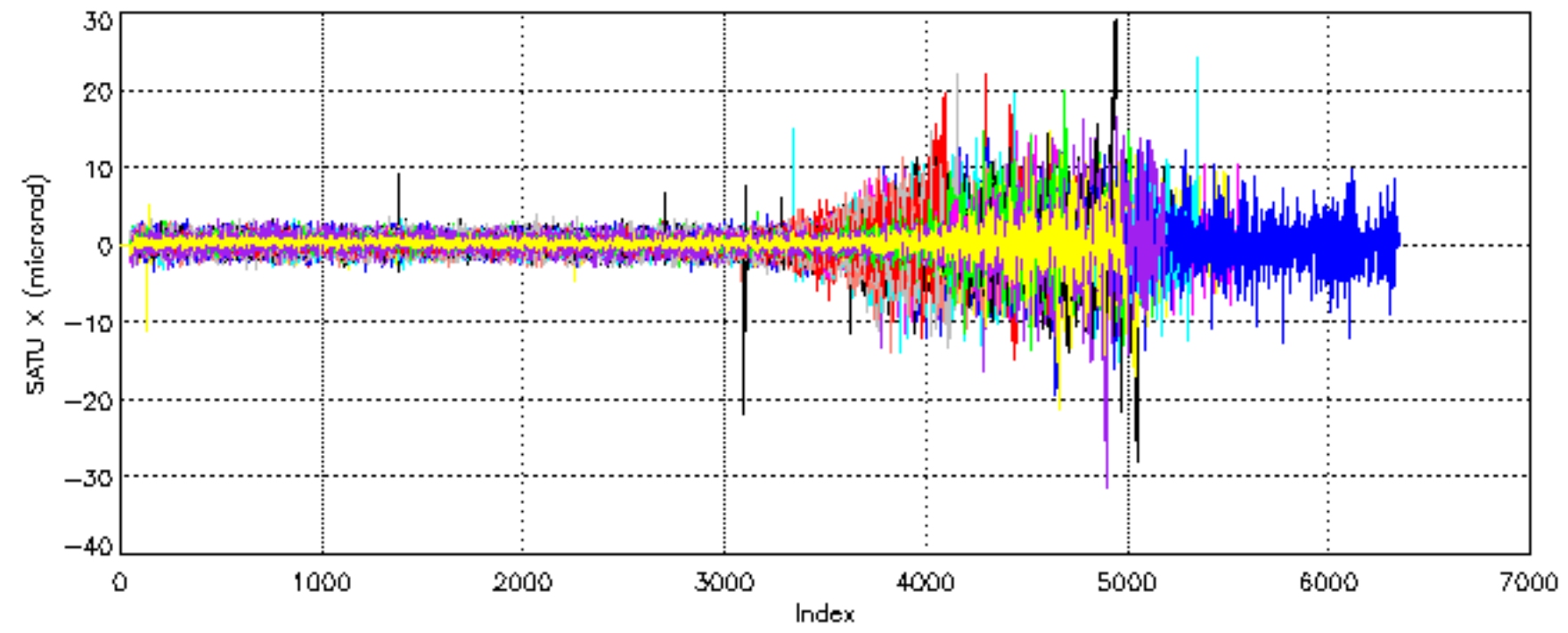
Tangent altitude at which the star is lost

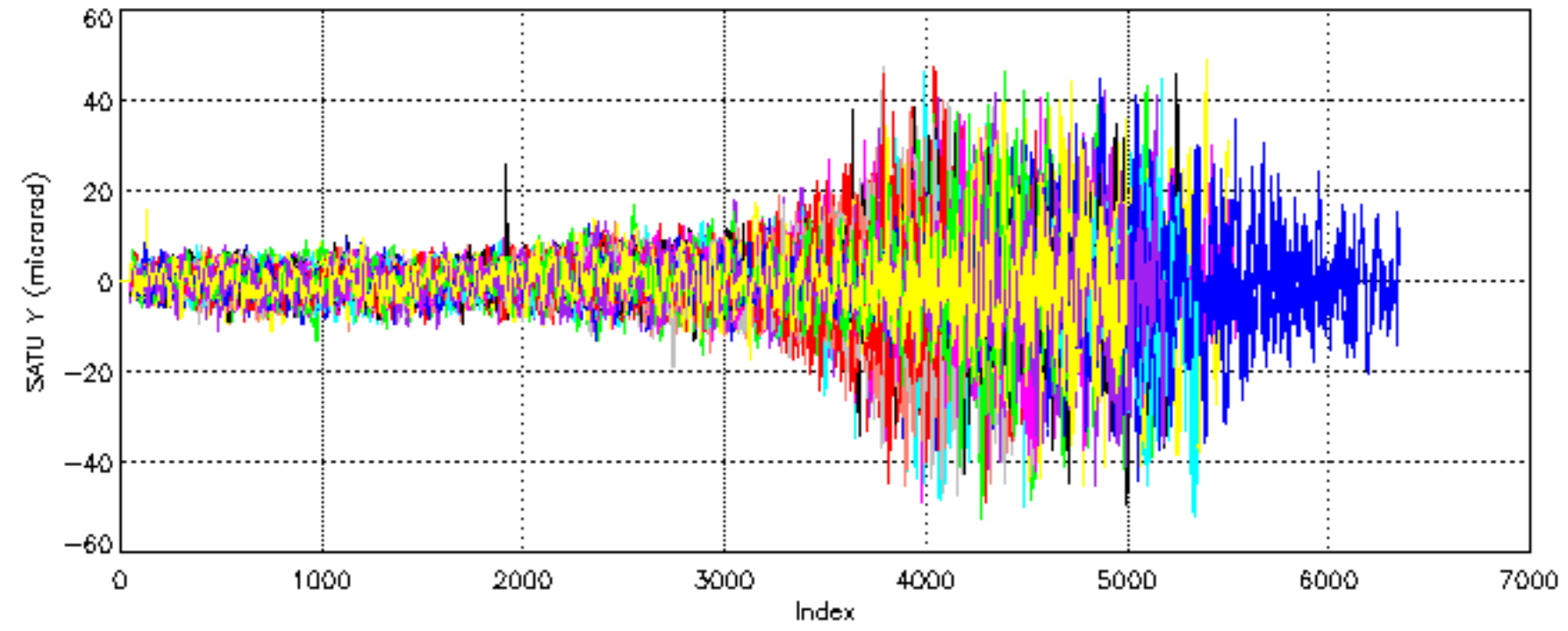


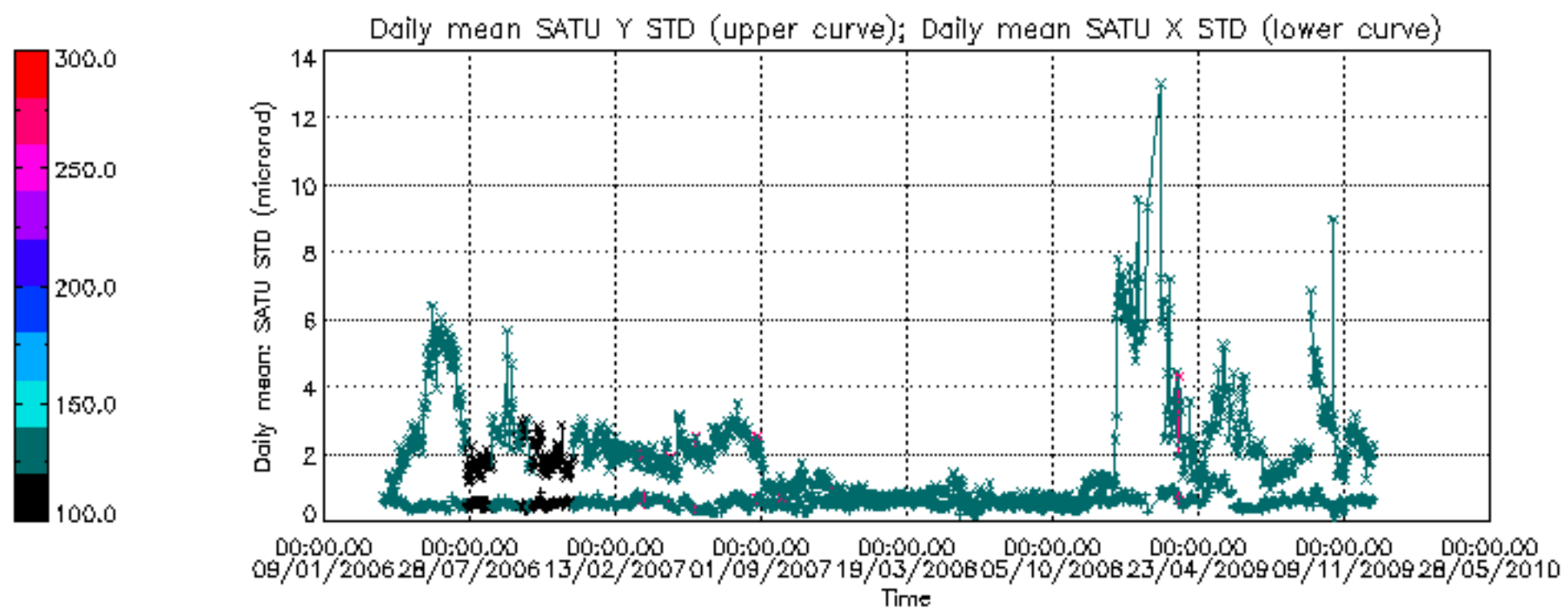
Tangent altitude at which the star is lost











/nas3/ENVISAT/GOMOS/GOM\_NL\_\_0P/GOM\_NL\_\_0PNPDE20091201\_013105\_000044402084\_00403\_40537\_9039.N1

1; -575.6; 01-DEC-2009 01:31:05; Dark ; 49.5; 100; 4Gam Crv ; 2.58; 13100;occ; 99; 0;40537  
 2; -480.0; 01-DEC-2009 01:32:41; Dark ; 48.5; 171; 2Eps Crv ; 3.00; 4250;occ; 97; 0;40537  
 3; 88.7; 01-DEC-2009 01:42:10; Dark ; 48.5; 113; Mu Vel ; 2.69; 5000;occ; 97; 0;40538  
 4; 407.7; 01-DEC-2009 01:47:29; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;40538  
 5; 605.8; 01-DEC-2009 01:50:47; Dark ; 49.0; 34; Gam2Vel ; 1.79; 23000;occ; 98; 0;40538  
 6; 711.5; 01-DEC-2009 01:52:32; Dark ; 57.0; 70; Zet Pup ; 2.25; 39000;occ; 114; 0;40538  
 7; 919.9; 01-DEC-2009 01:56:01; Dark ; 62.0; 117; Pi Pup ; 2.71; 3800;occ; 124; 0;40538  
 8; 1147.6; 01-DEC-2009 01:59:49; Dark ; 69.0; 23; 21Eps CMa ; 1.50; 26000;occ; 138; 0;40538  
 9; 1535.7; 01-DEC-2009 02:06:17; Dark ; 55.0; 101; 11Alp Lep ; 2.58; 7000;occ; 110; 0;40538  
 10; 1752.0; 01-DEC-2009 02:09:53; Dark ; 56.5; 7; 19Bet Ori ; 0.10; 14000;occ; 113; 0;40538  
 11; 1933.1; 01-DEC-2009 02:12:54; Dark ; 62.5; 30; 46Eps Ori ; 1.69; 30000;occ; 125; 0;40538  
 12; 2096.1; 01-DEC-2009 02:15:37; Dark ; 66.0; 27; 24Gam Ori ; 1.64; 26000;occ; 132; 0;40538  
 13; 2231.9; 01-DEC-2009 02:17:53; Bright; 50.0; 13; 87Alp Tau ; 0.87; 3800;occ; 100; 0;40538  
 14; 2328.4; 01-DEC-2009 02:19:29; Bright; 39.0; 146; 25Eta Tau ; 2.87; 15200;occ; 78; 0;40538  
 15; 2470.7; 01-DEC-2009 02:21:52; Bright; 39.5; 150; 44Zet Per ; 2.89; 28000;occ; 79; 0;40538  
 16; 2616.0; 01-DEC-2009 02:24:17; Bright; 39.5; 149; 45Eps Per ; 2.89; 30000;occ; 79; 0;40538  
 17; 2847.4; 01-DEC-2009 02:28:08; Bright; 47.5; 6; 13Alp Aur ; 0.08; 3400;occ; 95; 0;40538  
 18; 2957.0; 01-DEC-2009 02:29:58; Bright; 51.0; 42; 34Bet Aur ; 1.90; 10200;occ; 102; 0;40538  
 19; 3821.0; 01-DEC-2009 02:44:22; Bright; 44.0; 36; 50Alp UMa ; 1.80; 6300;occ; 88; 0;40538

/nas3/ENVISAT/GOMOS/GOM\_NL\_\_0P/GOM\_NL\_\_0PNPDE20091201\_024439\_000052052084\_00404\_40538\_9040.N1

1; -2197.9; 01-DEC-2009 02:44:39; Bright; 44.5; 36; 50Alp UMa ; 1.80; 6300;occ; 89; 34;40538  
 2; -2118.8; 01-DEC-2009 02:45:58; Bright; 47.0; 82; 48Bet UMa ; 2.37; 10600;occ; 94; 0;40538  
 3; -2021.4; 01-DEC-2009 02:47:36; Bright; 40.0; 32; 77Eps UMa ; 1.76; 11000;occ; 80; 0;40538  
 4; -1848.5; 01-DEC-2009 02:50:28; Bright; 52.0; 174; 52Psi UMa ; 3.00; 4400;occ; 104; 0;40538  
 5; -1687.8; 01-DEC-2009 02:53:09; Bright; 37.5; 152; 12Alp2CVn ; 2.89; 11000;occ; 75; 0;40538  
 6; -1112.5; 01-DEC-2009 03:02:44; Bright; 55.5; 62; 94Bet Leo ; 2.14; 9700;occ; 111; 0;40538  
 7; -915.0; 01-DEC-2009 03:06:02; Bright; 62.0; 121; 29Gam Vir ; 2.74; 7200;occ; 124; 0;40538  
 8; -574.6; 01-DEC-2009 03:11:42; Dark ; 43.5; 100; 4Gam Crv ; 2.58; 13100;occ; 87; 0;40538  
 9; -479.0; 01-DEC-2009 03:13:18; Dark ; 48.5; 171; 2Eps Crv ; 3.00; 4250;occ; 97; 0;40538  
 10; 89.2; 01-DEC-2009 03:22:46; Dark ; 43.5; 113; Mu Vel ; 2.69; 5000;occ; 87; 0;40539  
 11; 408.5; 01-DEC-2009 03:28:05; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;40539  
 12; 607.0; 01-DEC-2009 03:31:24; Dark ; 59.5; 34; Gam2Vel ; 1.79; 23000;occ; 119; 0;40539  
 13; 712.6; 01-DEC-2009 03:33:09; Dark ; 54.5; 70; Zet Pup ; 2.25; 39000;occ; 109; 0;40539  
 14; 920.7; 01-DEC-2009 03:36:38; Dark ; 60.5; 117; Pi Pup ; 2.71; 3800;occ; 121; 0;40539  
 15; 1148.2; 01-DEC-2009 03:40:25; Dark ; 68.0; 23; 21Eps CMa ; 1.50; 26000;occ; 136; 0;40539  
 16; 1536.0; 01-DEC-2009 03:46:53; Dark ; 56.0; 101; 11Alp Lep ; 2.58; 7000;occ; 112; 0;40539  
 17; 1752.3; 01-DEC-2009 03:50:29; Dark ; 56.5; 7; 19Bet Ori ; 0.10; 14000;occ; 113; 0;40539  
 18; 1932.8; 01-DEC-2009 03:53:30; Dark ; 65.5; 30; 46Eps Ori ; 1.69; 30000;occ; 131; 0;40539  
 19; 2095.7; 01-DEC-2009 03:56:13; Dark ; 61.0; 27; 24Gam Ori ; 1.64; 26000;occ; 122; 0;40539  
 20; 2231.6; 01-DEC-2009 03:58:28; Bright; 53.5; 13; 87Alp Tau ; 0.87; 3800;occ; 107; 0;40539  
 21; 2328.6; 01-DEC-2009 04:00:05; Bright; 38.5; 146; 25Eta Tau ; 2.87; 15200;occ; 77; 0;40539  
 22; 2470.5; 01-DEC-2009 04:02:27; Bright; 39.0; 150; 44Zet Per ; 2.89; 28000;occ; 78; 0;40539  
 23; 2616.1; 01-DEC-2009 04:04:53; Bright; 37.0; 149; 45Eps Per ; 2.89; 30000;occ; 74; 0;40539  
 24; 2846.8; 01-DEC-2009 04:08:44; Bright; 66.0; 6; 13Alp Aur ; 0.08; 3400;occ; 132; 0;40539  
 25; 2956.1; 01-DEC-2009 04:10:33; Bright; 51.5; 42; 34Bet Aur ; 1.90; 10200;occ; 103; 0;40539

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1; -2215.3; 01-DEC-2009 04:24:58; Bright; 51.0; 36; 50Alp UMa ; 1.80; 6300;occ; 102; 0;40539  
 2; -2119.0; 01-DEC-2009 04:26:34; Bright; 47.5; 82; 48Bet UMa ; 2.37; 10600;occ; 95; 0;40539  
 3; -2021.3; 01-DEC-2009 04:28:12; Bright; 56.0; 32; 77Eps UMa ; 1.76; 11000;occ; 112; 0;40539  
 4; -1848.9; 01-DEC-2009 04:31:04; Bright; 52.5; 174; 52Psi UMa ; 3.00; 4400;occ; 105; 0;40539  
 5; -1687.8; 01-DEC-2009 04:33:45; Bright; 52.0; 152; 12Alp2CVn ; 2.89; 11000;occ; 104; 0;40539  
 6; -1111.6; 01-DEC-2009 04:43:21; Bright; 59.5; 62; 94Bet Leo ; 2.14; 9700;occ; 119; 0;40539  
 7; -914.3; 01-DEC-2009 04:46:39; Bright; 43.5; 121; 29Gam Vir ; 2.74; 7200;occ; 87; 0;40539  
 8; -573.7; 01-DEC-2009 04:52:19; Dark ; 49.5; 100; 4Gam Crv ; 2.58; 13100;occ; 99; 0;40539  
 9; -478.5; 01-DEC-2009 04:53:54; Dark ; 50.0; 171; 2Eps Crv ; 3.00; 4250;occ; 100; 0;40539  
 10; 90.1; 01-DEC-2009 05:03:23; Dark ; 43.0; 113; Mu Vel ; 2.69; 5000;occ; 86; 0;40540  
 11; 409.3; 01-DEC-2009 05:08:42; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;40540  
 12; 607.8; 01-DEC-2009 05:12:01; Dark ; 50.5; 34; Gam2Vel ; 1.79; 23000;occ; 101; 0;40540  
 13; 713.7; 01-DEC-2009 05:13:47; Dark ; 54.0; 70; Zet Pup ; 2.25; 39000;occ; 108; 0;40540  
 14; 921.5; 01-DEC-2009 05:17:14; Dark ; 59.0; 117; Pi Pup ; 2.71; 3800;occ; 118; 0;40540  
 15; 1149.0; 01-DEC-2009 05:21:02; Dark ; 69.0; 23; 21Eps CMa ; 1.50; 26000;occ; 138; 0;40540  
 16; 1536.2; 01-DEC-2009 05:27:29; Dark ; 56.0; 101; 11Alp Lep ; 2.58; 7000;occ; 112; 0;40540  
 17; 1752.1; 01-DEC-2009 05:31:05; Dark ; 60.0; 7; 19Bet Ori ; 0.10; 14000;occ; 120; 0;40540  
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3; 1921.1; 03-DEC-2009 11:13:03; Dark ; 56.0; 30; 46Eps Ori ; 1.69; 30000;occ; 112; 0;40572
4; 2079.5; 03-DEC-2009 11:15:42; Dark ; 60.0; 27; 24Gam Ori ; 1.64; 26000;occ; 120; 0;40572
5; 2221.1; 03-DEC-2009 11:18:03; Dark ; 61.0; 13; 87Alp Tau ; 0.87; 3800;occ; 122; 0;40572
6; 2463.7; 03-DEC-2009 11:22:06; Bright; 37.5; 150; 44Zet Per ; 2.89; 28000;occ; 75; 0;40572
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12; 4011.5; 03-DEC-2009 11:47:54; Bright; 42.5; 32; 77Eps UMA ; 1.76; 11000;occ; 85; 0;40572
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16; 5141.9; 03-DEC-2009 12:06:44; Bright; 47.5; 121; 29Gam Vir ; 2.74; 7200;occ; 95; 0;40572
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5; 2220.9; 03-DEC-2009 12:58:39; Dark ; 61.0; 13; 87Alp Tau ; 0.87; 3800;occ; 122; 0;40573
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9; 2924.8; 03-DEC-2009 13:10:23; Bright; 48.5; 42; 34Bet Aur ; 1.90; 10200;occ; 97; 0;40573
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12; 4011.2; 03-DEC-2009 13:28:29; Bright; 48.0; 32; 77Eps UMA ; 1.76; 11000;occ; 96; 0;40573
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21; 6673.4; 03-DEC-2009 14:12:51; Dark ; 47.0; 34; Gam2Vel ; 1.79; 23000;occ; 94; 0;40573
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 6; 1919.9; 03-DEC-2009 17:55:26; Dark ; 59.0; 30; 46Eps Ori ; 1.69; 30000;occ; 118; 0;40576  
 7; 2077.9; 03-DEC-2009 17:58:04; Dark ; 60.0; 27; 24Gam Ori ; 1.64; 26000;occ; 120; 0;40576  
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13; 4703.0; 09-DEC-2009 08:49:43; Bright; 50.0; 111; 8Eta Boo ; 2.68; 6000;occ; 100; 0;40656
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 22; 6876.3; 10-DEC-2009 12:15:31; Dark ; 55.0; 70; Zet Pup ; 2.25; 39000;occ; 110; 0;40672  
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13; 4140.4; 10-DEC-2009 16:31:43; Bright; 48.0; 39; 85Eta UMa ; 1.85; 24000;occ; 96; 0;40675
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13; 3997.4; 10-DEC-2009 18:09:56; Bright; 46.5; 32; 77Eps UMa ; 1.76; 11000;occ; 93; 0;40676
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23; 6557.4; 10-DEC-2009 18:52:36; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;40676
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2; -2040.0; 11-DEC-2009 05:54:06; Bright; 39.5; 32; 77Eps UMa ; 1.76; 11000;occ; 79; 0;40683
3; -1895.8; 11-DEC-2009 05:56:30; Bright; 56.0; 39; 85Eta UMa ; 1.85; 24000;occ; 112; 0;40683
4; -1704.7; 11-DEC-2009 05:59:41; Bright; 35.0; 180; 27Gam Boo ; 3.04; 8000;occ; 70; 0;40683
5; -1325.6; 11-DEC-2009 06:06:00; Bright; 37.0; 111; 8Eta Boo ; 2.68; 6000;occ; 74; 0;40683
6; -1108.9; 11-DEC-2009 06:09:37; Bright; 67.0; 138; 47Eps Vir ; 2.83; 4700;occ; 134; 0;40683
7; -754.7; 11-DEC-2009 06:15:31; Dark ; 46.5; 15; 67Alp Vir ; 0.98; 28000;occ; 93; 0;40683
8; -546.4; 11-DEC-2009 06:18:59; Dark ; 45.5; 169; 46Gam Hya ; 2.99; 4700;occ; 91; 0;40683
9; -434.3; 11-DEC-2009 06:20:51; Dark ; 55.5; 100; 4Gam Crv ; 2.58; 13100;occ; 111; 0;40683
10; -338.0; 11-DEC-2009 06:22:28; Dark ; 53.0; 171; 2Eps Crv ; 3.00; 4250;occ; 106; 0;40683
11; -99.8; 11-DEC-2009 06:26:26; Dark ; 40.0; 64; Gam Cen ; 2.20; 10600;occ; 80; 0;40683
12; -6.8; 11-DEC-2009 06:27:59; Dark ; 40.5; 99; Del Cen ; 2.58; 26000;occ; 81; 0;40683

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 15; 526.8; 11-DEC-2009 06:36:53; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;40684  
 16; 726.6; 11-DEC-2009 06:40:12; Dark ; 49.5; 34; Gam2Vel ; 1.79; 23000;occ; 99; 0;40684  
 17; 876.8; 11-DEC-2009 06:42:43; Dark ; 48.5; 2; Alp Car ; -0.74; 7000;occ; 97; 0;40684  
 18; 1027.2; 11-DEC-2009 06:45:13; Dark ; 54.0; 117; Pi Pup ; 2.71; 3800;occ; 108; 0;40684  
 19; 1232.9; 11-DEC-2009 06:48:39; Dark ; 54.5; 23; 21Eps CMa ; 1.50; 26000;occ; 109; 0;40684  
 20; 1527.7; 11-DEC-2009 06:53:34; Dark ; 29.0; 47; 2Bet CMa ; 1.98; 28000;occ; 58; 0;40684  
 21; 1748.0; 11-DEC-2009 06:57:14; Dark ; 46.0; 7; 19Bet Ori ; 0.10; 14000;occ; 92; 0;40684

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 4; 2197.3; 11-DEC-2009 07:04:43; Dark ; 50.5; 13; 87Alp Tau ; 0.87; 3800;occ; 101; 0;40684  
 5; 2451.4; 11-DEC-2009 07:08:57; Bright; 37.0; 150; 44Zet Per ; 2.89; 28000;occ; 74; 0;40684  
 6; 2591.6; 11-DEC-2009 07:11:17; Bright; 35.0; 149; 45Eps Per ; 2.89; 30000;occ; 70; 0;40684  
 7; 2767.8; 11-DEC-2009 07:14:14; Bright; 45.5; 6; 13Alp Aur ; 0.08; 3400;occ; 91; 0;40684  
 8; 3762.5; 11-DEC-2009 07:30:48; Bright; 48.0; 36; 50Alp UMa ; 1.80; 6300;occ; 96; 0;40684  
 9; 3995.8; 11-DEC-2009 07:34:42; Bright; 60.0; 32; 77Eps UMa ; 1.76; 11000;occ; 120; 0;40684  
 10; 4140.3; 11-DEC-2009 07:37:06; Bright; 37.0; 39; 85Eta UMa ; 1.85; 24000;occ; 74; 0;40684  
 11; 4331.3; 11-DEC-2009 07:40:17; Bright; 35.0; 180; 27Gam Boo ; 3.04; 8000;occ; 70; 0;40684  
 12; 4710.4; 11-DEC-2009 07:46:36; Bright; 57.0; 111; 8Eta Boo ; 2.68; 6000;occ; 114; 0;40684  
 13; 4927.7; 11-DEC-2009 07:50:13; Bright; 67.0; 138; 47Eps Vir ; 2.83; 4700;occ; 134; 0;40684  
 14; 5281.8; 11-DEC-2009 07:56:08; Dark ; 51.0; 15; 67Alp Vir ; 0.98; 28000;occ; 102; 0;40684  
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 18; 5936.8; 11-DEC-2009 08:07:03; Dark ; 41.5; 64; Gam Cen ; 2.20; 10600;occ; 83; 0;40684  
 19; 6029.7; 11-DEC-2009 08:08:36; Dark ; 39.5; 99; Del Cen ; 2.58; 26000;occ; 79; 0;40684  
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 21; 6490.9; 11-DEC-2009 08:16:17; Dark ; 42.0; 71; Iot Car ; 2.25; 7700;occ; 84; 0;40684  
 22; 6563.6; 11-DEC-2009 08:17:29; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;40684  
 23; 6763.3; 11-DEC-2009 08:20:49; Dark ; 48.0; 34; Gam2Vel ; 1.79; 23000;occ; 96; 0;40684  
 24; 6913.2; 11-DEC-2009 08:23:19; Dark ; 46.5; 2; Alp Car ; -0.74; 7000;occ; 93; 0;40684  
 25; 7064.0; 11-DEC-2009 08:25:50; Dark ; 55.0; 117; Pi Pup ; 2.71; 3800;occ; 110; 0;40684  
 26; 7269.3; 11-DEC-2009 08:29:15; Dark ; 55.0; 23; 21Eps CMa ; 1.50; 26000;occ; 110; 0;40684  
 27; 7563.5; 11-DEC-2009 08:34:09; Dark ; 29.0; 47; 2Bet CMa ; 1.98; 28000;occ; 58; 0;40684  
 28; 7784.0; 11-DEC-2009 08:37:50; Dark ; 49.0; 7; 19Bet Ori ; 0.10; 14000;occ; 98; 0;40684

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 4; 2197.1; 11-DEC-2009 08:45:19; Dark ; 56.0; 13; 87Alp Tau ; 0.87; 3800;occ; 112; 0;40685  
 5; 2451.3; 11-DEC-2009 08:49:33; Bright; 37.5; 150; 44Zet Per ; 2.89; 28000;occ; 75; 0;40685  
 6; 2591.4; 11-DEC-2009 08:51:53; Bright; 36.0; 149; 45Eps Per ; 2.89; 30000;occ; 72; 0;40685  
 7; 2767.4; 11-DEC-2009 08:54:49; Bright; 60.0; 6; 13Alp Aur ; 0.08; 3400;occ; 120; 0;40685  
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 9; 3995.8; 11-DEC-2009 09:15:18; Bright; 40.5; 32; 77Eps UMa ; 1.76; 11000;occ; 81; 0;40685  
 10; 4140.1; 11-DEC-2009 09:17:42; Bright; 41.5; 39; 85Eta UMa ; 1.85; 24000;occ; 83; 0;40685  
 11; 4331.5; 11-DEC-2009 09:20:53; Bright; 53.0; 180; 27Gam Boo ; 3.04; 8000;occ; 106; 0;40685  
 12; 4710.8; 11-DEC-2009 09:27:13; Bright; 57.0; 111; 8Eta Boo ; 2.68; 6000;occ; 114; 0;40685  
 13; 4928.1; 11-DEC-2009 09:30:50; Bright; 67.0; 138; 47Eps Vir ; 2.83; 4700;occ; 134; 0;40685  
 14; 5282.3; 11-DEC-2009 09:36:44; Dark ; 54.0; 15; 67Alp Vir ; 0.98; 28000;occ; 108; 0;40685  
 15; 5491.0; 11-DEC-2009 09:40:13; Dark ; 46.0; 169; 46Gam Hya ; 2.99; 4700;occ; 92; 0;40685  
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 18; 5937.3; 11-DEC-2009 09:47:39; Dark ; 40.5; 64; Gam Cen ; 2.20; 10600;occ; 81; 0;40685  
 19; 6030.3; 11-DEC-2009 09:49:12; Dark ; 40.0; 99; Del Cen ; 2.58; 26000;occ; 80; 0;40685  
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 22; 6564.3; 11-DEC-2009 09:58:06; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;40685  
 23; 6764.1; 11-DEC-2009 10:01:26; Dark ; 52.0; 34; Gam2Vel ; 1.79; 23000;occ; 104; 0;40685  
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 25; 7064.5; 11-DEC-2009 10:06:26; Dark ; 55.0; 117; Pi Pup ; 2.71; 3800;occ; 110; 0;40685  
 26; 7269.8; 11-DEC-2009 10:09:52; Dark ; 55.0; 23; 21Eps CMa ; 1.50; 26000;occ; 110; 0;40685  
 27; 7563.8; 11-DEC-2009 10:14:46; Dark ; 34.5; 47; 2Bet CMa ; 1.98; 28000;occ; 69; 0;40685

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3; 1893.9; 11-DEC-2009 10:20:52; Dark ; 51.0; 30; 46Eps Ori ; 1.69; 30000;occ; 102; 0;40686  
4; 2040.2; 11-DEC-2009 10:23:18; Dark ; 51.0; 27; 24Gam Ori ; 1.64; 26000;occ; 102; 0;40686  
5; 2196.9; 11-DEC-2009 10:25:55; Dark ; 49.0; 13; 87Alp Tau ; 0.87; 3800;occ; 98; 0;40686  
6; 2355.8; 11-DEC-2009 10:28:33; Bright; 46.0; 176; 23Zet Tau ; 3.02; 22000;occ; 92; 0;40686  
7; 2477.3; 11-DEC-2009 10:30:35; Bright; 46.5; 28; 12Bet Tau ; 1.65; 15200;occ; 93; 0;40686  
8; 2591.4; 11-DEC-2009 10:32:29; Bright; 53.0; 149; 45Eps Per ; 2.89; 30000;occ; 106; 0;40686  
9; 2766.9; 11-DEC-2009 10:35:25; Bright; 47.5; 6; 13Alp Aur ; 0.08; 3400;occ; 95; 0;40686  
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11; 3995.5; 11-DEC-2009 10:55:53; Bright; 41.5; 32; 77Eps UMa ; 1.76; 11000;occ; 83; 0;40686  
12; 4140.3; 11-DEC-2009 10:58:18; Bright; 56.0; 39; 85Eta UMa ; 1.85; 24000;occ; 112; 0;40686  
13; 4331.5; 11-DEC-2009 11:01:29; Bright; 46.5; 180; 27Gam Boo ; 3.04; 8000;occ; 93; 0;40686  
14; 4711.2; 11-DEC-2009 11:07:49; Bright; 57.0; 111; 8Eta Boo ; 2.68; 6000;occ; 114; 0;40686  
15; 4928.6; 11-DEC-2009 11:11:26; Bright; 50.5; 138; 47Eps Vir ; 2.83; 4700;occ; 101; 0;40686  
16; 5283.0; 11-DEC-2009 11:17:21; Dark ; 50.5; 15; 67Alp Vir ; 0.98; 28000;occ; 101; 0;40686  
17; 5491.5; 11-DEC-2009 11:20:49; Dark ; 45.5; 169; 46Gam Hya ; 2.99; 4700;occ; 91; 0;40686  
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19; 5701.3; 11-DEC-2009 11:24:19; Dark ; 55.5; 171; 2Eps Crv ; 3.00; 4250;occ; 111; 0;40686  
20; 5937.8; 11-DEC-2009 11:28:15; Dark ; 38.5; 64; Gam Cen ; 2.20; 10600;occ; 77; 0;40686  
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22; 6248.0; 11-DEC-2009 11:33:26; Dark ; 44.5; 113; Mu Vel ; 2.69; 5000;occ; 89; 0;40686  
23; 6492.1; 11-DEC-2009 11:37:30; Dark ; 40.0; 71; Iot Car ; 2.25; 7700;occ; 80; 0;40686  
24; 6565.1; 11-DEC-2009 11:38:43; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;40686  
25; 6764.9; 11-DEC-2009 11:42:03; Dark ; 50.5; 34; Gam2Vel ; 1.79; 23000;occ; 101; 0;40686  
26; 6913.8; 11-DEC-2009 11:44:32; Dark ; 49.5; 2; Alp Car ; -0.74; 7000;occ; 99; 0;40686  
27; 7065.4; 11-DEC-2009 11:47:03; Dark ; 56.0; 117; Pi Pup ; 2.71; 3800;occ; 112; 0;40686  
28; 7270.1; 11-DEC-2009 11:50:28; Dark ; 56.0; 23; 21Eps CMa ; 1.50; 26000;occ; 112; 0;40686  
29; 7563.9; 11-DEC-2009 11:55:22; Dark ; 34.5; 47; 2Bet CMa ; 1.98; 28000;occ; 69; 0;40686

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4; 2040.0; 11-DEC-2009 12:03:54; Dark ; 50.0; 27; 24Gam Ori ; 1.64; 26000;occ; 100; 0;40687  
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14; 4711.5; 11-DEC-2009 12:48:25; Bright; 57.0; 111; 8Eta Boo ; 2.68; 6000;occ; 114; 0;40687  
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16; 5283.6; 11-DEC-2009 12:57:57; Dark ; 49.5; 15; 67Alp Vir ; 0.98; 28000;occ; 99; 0;40687  
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19; 5702.6; 11-DEC-2009 13:04:56; Dark ; 52.5; 171; 2Eps Crv ; 3.00; 4250;occ; 105; 0;40687  
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21; 6031.6; 11-DEC-2009 13:10:25; Dark ; 39.5; 99; Del Cen ; 2.58; 26000;occ; 79; 0;40687  
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23; 6492.6; 11-DEC-2009 13:18:06; Dark ; 40.0; 71; Iot Car ; 2.25; 7700;occ; 80; 0;40687  
24; 6565.9; 11-DEC-2009 13:19:19; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;40687  
25; 6765.8; 11-DEC-2009 13:22:39; Dark ; 49.0; 34; Gam2Vel ; 1.79; 23000;occ; 98; 0;40687  
26; 6914.5; 11-DEC-2009 13:25:08; Dark ; 50.0; 2; Alp Car ; -0.74; 7000;occ; 100; 0;40687  
27; 7066.0; 11-DEC-2009 13:27:40; Dark ; 54.0; 117; Pi Pup ; 2.71; 3800;occ; 108; 0;40687  
28; 7270.8; 11-DEC-2009 13:31:04; Dark ; 53.0; 23; 21Eps CMa ; 1.50; 26000;occ; 106; 0;40687  
29; 7564.3; 11-DEC-2009 13:35:58; Dark ; 40.5; 47; 2Bet CMa ; 1.98; 28000;occ; 81; 0;40687

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3; 1893.6; 11-DEC-2009 13:42:03; Dark ; 54.0; 30; 46Eps Ori ; 1.69; 30000;occ; 108; 0;40688  
4; 2039.8; 11-DEC-2009 13:44:29; Dark ; 48.5; 27; 24Gam Ori ; 1.64; 26000;occ; 97; 0;40688  
5; 2196.7; 11-DEC-2009 13:47:06; Dark ; 56.0; 13; 87Alp Tau ; 0.87; 3800;occ; 112; 0;40688  
6; 2355.0; 11-DEC-2009 13:49:44; Bright; 47.5; 176; 23Zet Tau ; 3.02; 22000;occ; 95; 0;40688  
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9; 2766.3; 11-DEC-2009 13:56:36; Bright; 60.0; 6; 13Alp Aur ; 0.08; 3400;occ; 120; 0;40688



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 17; 5492.8; 11-DEC-2009 14:42:02; Dark ; 45.0; 169; 46Gam Hya ; 2.99; 4700;occ; 90; 0;40688  
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 19; 5703.8; 11-DEC-2009 14:45:33; Dark ; 58.5; 171; 2Eps Crv ; 3.00; 4250;occ; 117; 0;40688  
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 22; 6249.9; 11-DEC-2009 14:54:39; Dark ; 43.5; 113; Mu Vel ; 2.69; 5000;occ; 87; 0;40688  
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 24; 6566.7; 11-DEC-2009 14:59:56; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;40688  
 25; 6766.5; 11-DEC-2009 15:03:16; Dark ; 48.5; 34; Gam2Vel ; 1.79; 23000;occ; 97; 0;40688  
 26; 6915.0; 11-DEC-2009 15:05:44; Dark ; 46.0; 2; Alp Car ; -0.74; 7000;occ; 92; 0;40688  
 27; 7066.6; 11-DEC-2009 15:08:16; Dark ; 56.5; 117; Pi Pup ; 2.71; 3800;occ; 113; 0;40688  
 28; 7271.4; 11-DEC-2009 15:11:41; Dark ; 57.5; 23; 21Eps CMA ; 1.50; 26000;occ; 115; 0;40688

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1; 1528.3; 11-DEC-2009 15:16:34; Dark ; 41.0; 47; 2Bet CMA ; 1.98; 28000;occ; 82; 0;40689  
 2; 1748.2; 11-DEC-2009 15:20:14; Dark ; 51.5; 7; 19Bet Ori ; 0.10; 14000;occ; 103; 0;40689  
 3; 1893.6; 11-DEC-2009 15:22:39; Dark ; 51.0; 30; 46Eps Ori ; 1.69; 30000;occ; 102; 0;40689  
 4; 2039.6; 11-DEC-2009 15:25:05; Dark ; 49.0; 27; 24Gam Ori ; 1.64; 26000;occ; 98; 0;40689  
 5; 2196.8; 11-DEC-2009 15:27:42; Dark ; 48.0; 13; 87Alp Tau ; 0.87; 3800;occ; 96; 0;40689  
 6; 2354.6; 11-DEC-2009 15:30:20; Bright; 46.5; 176; 23Zet Tau ; 3.02; 22000;occ; 93; 0;40689  
 7; 2475.9; 11-DEC-2009 15:32:21; Bright; 44.5; 28; 12Bet Tau ; 1.65; 15200;occ; 89; 0;40689  
 8; 2591.1; 11-DEC-2009 15:34:16; Bright; 37.0; 149; 45Eps Per ; 2.89; 30000;occ; 74; 0;40689  
 9; 2765.9; 11-DEC-2009 15:37:11; Bright; 43.5; 6; 13Alp Aur ; 0.08; 3400;occ; 87; 0;40689  
 10; 3760.3; 11-DEC-2009 15:53:46; Bright; 47.0; 36; 50Alp UMa ; 1.80; 6300;occ; 94; 0;40689  
 11; 3995.0; 11-DEC-2009 15:57:40; Bright; 46.5; 32; 77Eps UMa ; 1.76; 11000;occ; 93; 0;40689  
 12; 4140.4; 11-DEC-2009 16:00:06; Bright; 56.0; 39; 85Eta UMa ; 1.85; 24000;occ; 112; 0;40689  
 13; 4332.3; 11-DEC-2009 16:03:18; Bright; 53.0; 180; 27Gam Boo ; 3.04; 8000;occ; 106; 0;40689  
 14; 4712.0; 11-DEC-2009 16:09:37; Bright; 39.5; 111; 8Eta Boo ; 2.68; 6000;occ; 79; 0;40689  
 15; 4930.8; 11-DEC-2009 16:13:16; Bright; 47.0; 138; 47Eps Vir ; 2.83; 4700;occ; 94; 0;40689  
 16; 5231.2; 11-DEC-2009 16:18:17; Dark ; 56.0; 121; 29Gam Vir ; 2.74; 7200;occ; 112; 0;40689  
 17; 5493.6; 11-DEC-2009 16:22:39; Dark ; 46.0; 169; 46Gam Hya ; 2.99; 4700;occ; 92; 0;40689  
 18; 5608.8; 11-DEC-2009 16:24:34; Dark ; 54.0; 100; 4Gam Crv ; 2.58; 13100;occ; 108; 0;40689  
 19; 5705.1; 11-DEC-2009 16:26:10; Dark ; 52.5; 171; 2Eps Crv ; 3.00; 4250;occ; 105; 0;40689  
 20; 5939.6; 11-DEC-2009 16:30:05; Dark ; 43.0; 64; Gam Cen ; 2.20; 10600;occ; 86; 0;40689  
 21; 6033.1; 11-DEC-2009 16:31:38; Dark ; 40.0; 99; Del Cen ; 2.58; 26000;occ; 80; 0;40689  
 22; 6250.9; 11-DEC-2009 16:35:16; Dark ; 46.0; 113; Mu Vel ; 2.69; 5000;occ; 92; 0;40689  
 23; 6494.1; 11-DEC-2009 16:39:19; Dark ; 45.0; 71; Iot Car ; 2.25; 7700;occ; 90; 0;40689  
 24; 6567.6; 11-DEC-2009 16:40:33; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;40689  
 25; 6767.4; 11-DEC-2009 16:43:53; Dark ; 47.5; 34; Gam2Vel ; 1.79; 23000;occ; 95; 0;40689  
 26; 6915.2; 11-DEC-2009 16:46:21; Dark ; 48.5; 2; Alp Car ; -0.74; 7000;occ; 97; 0;40689  
 27; 7067.3; 11-DEC-2009 16:48:53; Dark ; 56.0; 117; Pi Pup ; 2.71; 3800;occ; 112; 0;40689  
 28; 7271.9; 11-DEC-2009 16:52:17; Dark ; 55.5; 23; 21Eps CMA ; 1.50; 26000;occ; 111; 0;40689

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1; 1255.9; 11-DEC-2009 16:52:37; Dark ; 56.0; 23; 21Eps CMA ; 1.50; 26000;occ; 112; 40;40690  
 2; 1528.4; 11-DEC-2009 16:57:10; Dark ; 46.0; 47; 2Bet CMA ; 1.98; 28000;occ; 92; 0;40690  
 3; 1748.1; 11-DEC-2009 17:00:49; Dark ; 48.5; 7; 19Bet Ori ; 0.10; 14000;occ; 97; 0;40690  
 4; 1893.3; 11-DEC-2009 17:03:15; Dark ; 50.5; 30; 46Eps Ori ; 1.69; 30000;occ; 101; 0;40690  
 5; 2039.4; 11-DEC-2009 17:05:41; Dark ; 50.0; 27; 24Gam Ori ; 1.64; 26000;occ; 100; 0;40690  
 6; 2196.5; 11-DEC-2009 17:08:18; Dark ; 56.0; 13; 87Alp Tau ; 0.87; 3800;occ; 112; 0;40690  
 7; 2354.0; 11-DEC-2009 17:10:55; Bright; 48.0; 176; 23Zet Tau ; 3.02; 22000;occ; 96; 0;40690  
 8; 2475.3; 11-DEC-2009 17:12:57; Bright; 46.5; 28; 12Bet Tau ; 1.65; 15200;occ; 93; 0;40690  
 9; 2591.0; 11-DEC-2009 17:14:52; Bright; 36.0; 149; 45Eps Per ; 2.89; 30000;occ; 72; 0;40690  
 10; 2765.3; 11-DEC-2009 17:17:47; Bright; 43.5; 6; 13Alp Aur ; 0.08; 3400;occ; 87; 0;40690  
 11; 3759.4; 11-DEC-2009 17:34:21; Bright; 44.5; 36; 50Alp UMa ; 1.80; 6300;occ; 89; 0;40690  
 12; 3994.9; 11-DEC-2009 17:38:16; Bright; 51.0; 32; 77Eps UMa ; 1.76; 11000;occ; 102; 0;40690  
 13; 4140.1; 11-DEC-2009 17:40:41; Bright; 39.0; 39; 85Eta UMa ; 1.85; 24000;occ; 78; 0;40690  
 14; 4332.2; 11-DEC-2009 17:43:54; Bright; 42.0; 180; 27Gam Boo ; 3.04; 8000;occ; 84; 0;40690  
 15; 4712.2; 11-DEC-2009 17:50:14; Bright; 38.5; 111; 8Eta Boo ; 2.68; 6000;occ; 77; 0;40690  
 16; 4931.3; 11-DEC-2009 17:53:53; Bright; 68.0; 138; 47Eps Vir ; 2.83; 4700;occ; 136; 0;40690  
 17; 5232.4; 11-DEC-2009 17:58:54; Dark ; 56.0; 121; 29Gam Vir ; 2.74; 7200;occ; 112; 0;40690  
 18; 5494.3; 11-DEC-2009 18:03:16; Dark ; 44.5; 169; 46Gam Hya ; 2.99; 4700;occ; 89; 0;40690  
 19; 5610.0; 11-DEC-2009 18:05:11; Dark ; 50.5; 100; 4Gam Crv ; 2.58; 13100;occ; 101; 0;40690

20; 5706.1; 11-DEC-2009 18:06:47; Dark ; 55.5; 171; 2Eps Crv ; 3.00; 4250;occ; 111; 0;40690  
 21; 5940.2; 11-DEC-2009 18:10:42; Dark ; 40.0; 64; Gam Cen ; 2.20; 10600;occ; 80; 0;40690  
 22; 6033.8; 11-DEC-2009 18:12:15; Dark ; 40.5; 99; Del Cen ; 2.58; 26000;occ; 81; 0;40690  
 23; 6251.8; 11-DEC-2009 18:15:53; Dark ; 46.5; 113; Mu Vel ; 2.69; 5000;occ; 93; 0;40690  
 24; 6494.7; 11-DEC-2009 18:19:56; Dark ; 41.5; 71; Iot Car ; 2.25; 7700;occ; 83; 0;40690  
 25; 6568.4; 11-DEC-2009 18:21:10; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;40690  
 26; 6768.2; 11-DEC-2009 18:24:30; Dark ; 44.5; 34; Gam2Vel ; 1.79; 23000;occ; 89; 0;40690  
 27; 6915.9; 11-DEC-2009 18:26:57; Dark ; 53.0; 2; Alp Car ; -0.74; 7000;occ; 106; 0;40690  
 28; 7067.9; 11-DEC-2009 18:29:29; Dark ; 56.0; 117; Pi Pup ; 2.71; 3800;occ; 112; 0;40690

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1; 1048.4; 11-DEC-2009 18:29:46; Dark ; 56.5; 117; Pi Pup ; 2.71; 3800;occ; 113; 33;40691  
 2; 1236.3; 11-DEC-2009 18:32:54; Dark ; 58.5; 23; 21Eps CMa ; 1.50; 26000;occ; 117; 0;40691  
 3; 1528.7; 11-DEC-2009 18:37:46; Dark ; 46.0; 47; 2Bet CMa ; 1.98; 28000;occ; 92; 0;40691  
 4; 1748.2; 11-DEC-2009 18:41:26; Dark ; 49.0; 7; 19Bet Ori ; 0.10; 14000;occ; 98; 0;40691  
 5; 1893.3; 11-DEC-2009 18:43:51; Dark ; 50.0; 30; 46Eps Ori ; 1.69; 30000;occ; 100; 0;40691  
 6; 2039.3; 11-DEC-2009 18:46:17; Dark ; 50.0; 27; 24Gam Ori ; 1.64; 26000;occ; 100; 0;40691  
 7; 2196.3; 11-DEC-2009 18:48:54; Dark ; 54.5; 13; 87Alp Tau ; 0.87; 3800;occ; 109; 0;40691  
 8; 2353.6; 11-DEC-2009 18:51:31; Bright; 44.0; 176; 23Zet Tau ; 3.02; 22000;occ; 88; 0;40691  
 9; 2474.9; 11-DEC-2009 18:53:32; Bright; 44.5; 28; 12Bet Tau ; 1.65; 15200;occ; 89; 0;40691  
 10; 2590.8; 11-DEC-2009 18:55:28; Bright; 34.5; 149; 45Eps Per ; 2.89; 30000;occ; 69; 0;40691  
 11; 2764.9; 11-DEC-2009 18:58:22; Bright; 44.5; 6; 13Alp Aur ; 0.08; 3400;occ; 89; 0;40691  
 12; 3759.3; 11-DEC-2009 19:14:57; Bright; 43.0; 36; 50Alp UMa ; 1.80; 6300;occ; 86; 0;40691  
 13; 3994.7; 11-DEC-2009 19:18:52; Bright; 46.0; 32; 77Eps UMa ; 1.76; 11000;occ; 92; 0;40691  
 14; 4140.2; 11-DEC-2009 19:21:18; Bright; 42.0; 39; 85Eta UMa ; 1.85; 24000;occ; 84; 0;40691  
 15; 4332.4; 11-DEC-2009 19:24:30; Bright; 34.0; 180; 27Gam Boo ; 3.04; 8000;occ; 68; 0;40691  
 16; 4712.6; 11-DEC-2009 19:30:50; Bright; 38.5; 111; 8Eta Boo ; 2.68; 6000;occ; 77; 0;40691  
 17; 4931.5; 11-DEC-2009 19:34:29; Bright; 68.0; 138; 47Eps Vir ; 2.83; 4700;occ; 136; 0;40691  
 18; 5233.2; 11-DEC-2009 19:39:31; Dark ; 55.5; 121; 29Gam Vir ; 2.74; 7200;occ; 111; 0;40691  
 19; 5494.8; 11-DEC-2009 19:43:52; Dark ; 45.5; 169; 46Gam Hya ; 2.99; 4700;occ; 91; 0;40691  
 20; 5611.2; 11-DEC-2009 19:45:49; Dark ; 52.5; 100; 4Gam Crv ; 2.58; 13100;occ; 105; 0;40691  
 21; 5707.4; 11-DEC-2009 19:47:25; Dark ; 56.0; 171; 2Eps Crv ; 3.00; 4250;occ; 112; 0;40691  
 22; 5940.8; 11-DEC-2009 19:51:18; Dark ; 41.0; 64; Gam Cen ; 2.20; 10600;occ; 82; 0;40691  
 23; 6034.2; 11-DEC-2009 19:52:52; Dark ; 43.0; 99; Del Cen ; 2.58; 26000;occ; 86; 0;40691  
 24; 6252.5; 11-DEC-2009 19:56:30; Dark ; 54.0; 113; Mu Vel ; 2.69; 5000;occ; 108; 0;40691  
 25; 6495.3; 11-DEC-2009 20:00:33; Dark ; 38.5; 71; Iot Car ; 2.25; 7700;occ; 77; 0;40691  
 26; 6569.1; 11-DEC-2009 20:01:47; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;40691  
 27; 6768.9; 11-DEC-2009 20:05:06; Dark ; 48.0; 34; Gam2Vel ; 1.79; 23000;occ; 96; 0;40691  
 28; 6916.2; 11-DEC-2009 20:07:34; Dark ; 53.5; 2; Alp Car ; -0.74; 7000;occ; 107; 0;40691

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1; -744.8; 12-DEC-2009 00:42:16; Dark ; 51.5; 15; 67Alp Vir ; 0.98; 28000;occ; 103; 6;40694  
 2; -539.2; 12-DEC-2009 00:45:42; Dark ; 44.5; 169; 46Gam Hya ; 2.99; 4700;occ; 89; 0;40694  
 3; -325.1; 12-DEC-2009 00:49:16; Dark ; 52.0; 171; 2Eps Crv ; 3.00; 4250;occ; 104; 0;40694  
 4; -93.5; 12-DEC-2009 00:53:08; Dark ; 39.0; 64; Gam Cen ; 2.20; 10600;occ; 78; 0;40694  
 5; 0.3; 12-DEC-2009 00:54:41; Dark ; 41.0; 99; Del Cen ; 2.58; 26000;occ; 82; 0;40695  
 6; 219.2; 12-DEC-2009 00:58:20; Dark ; 49.5; 113; Mu Vel ; 2.69; 5000;occ; 99; 0;40695  
 7; 461.2; 12-DEC-2009 01:02:22; Dark ; 45.0; 71; Iot Car ; 2.25; 7700;occ; 90; 0;40695  
 8; 535.5; 12-DEC-2009 01:03:37; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;40695  
 9; 735.0; 12-DEC-2009 01:06:56; Dark ; 47.5; 34; Gam2Vel ; 1.79; 23000;occ; 95; 0;40695  
 10; 881.5; 12-DEC-2009 01:09:23; Dark ; 40.0; 2; Alp Car ; -0.74; 7000;occ; 80; 0;40695  
 11; 1034.5; 12-DEC-2009 01:11:55; Dark ; 52.5; 117; Pi Pup ; 2.71; 3800;occ; 105; 0;40695  
 12; 1238.4; 12-DEC-2009 01:15:19; Dark ; 55.0; 23; 21Eps CMa ; 1.50; 26000;occ; 110; 0;40695  
 13; 1529.2; 12-DEC-2009 01:20:10; Dark ; 54.0; 47; 2Bet CMa ; 1.98; 28000;occ; 108; 0;40695  
 14; 1748.1; 12-DEC-2009 01:23:49; Dark ; 50.0; 7; 19Bet Ori ; 0.10; 14000;occ; 100; 0;40695  
 15; 1892.4; 12-DEC-2009 01:26:13; Dark ; 52.0; 30; 46Eps Ori ; 1.69; 30000;occ; 104; 0;40695  
 16; 2038.0; 12-DEC-2009 01:28:39; Dark ; 50.0; 27; 24Gam Ori ; 1.64; 26000;occ; 100; 0;40695  
 17; 2195.8; 12-DEC-2009 01:31:17; Dark ; 56.0; 13; 87Alp Tau ; 0.87; 3800;occ; 112; 0;40695  
 18; 2351.4; 12-DEC-2009 01:33:52; Bright; 43.5; 176; 23Zet Tau ; 3.02; 22000;occ; 87; 0;40695  
 19; 2451.0; 12-DEC-2009 01:35:32; Bright; 36.5; 150; 44Zet Per ; 2.89; 28000;occ; 73; 0;40695  
 20; 2590.5; 12-DEC-2009 01:37:52; Bright; 34.5; 149; 45Eps Per ; 2.89; 30000;occ; 69; 0;40695  
 21; 2763.2; 12-DEC-2009 01:40:44; Bright; 44.0; 6; 13Alp Aur ; 0.08; 3400;occ; 88; 0;40695  
 22; 3757.3; 12-DEC-2009 01:57:18; Bright; 49.0; 36; 50Alp UMa ; 1.80; 6300;occ; 98; 0;40695  
 23; 3993.8; 12-DEC-2009 02:01:15; Bright; 40.0; 32; 77Eps UMa ; 1.76; 11000;occ; 80; 0;40695  
 24; 4140.1; 12-DEC-2009 02:03:41; Bright; 42.5; 39; 85Eta UMa ; 1.85; 24000;occ; 85; 0;40695  
 25; 4332.8; 12-DEC-2009 02:06:54; Bright; 34.0; 180; 27Gam Boo ; 3.04; 8000;occ; 68; 0;40695  
 26; 4713.8; 12-DEC-2009 02:13:15; Bright; 38.0; 111; 8Eta Boo ; 2.68; 6000;occ; 76; 0;40695  
 27; 4934.0; 12-DEC-2009 02:16:55; Bright; 67.5; 138; 47Eps Vir ; 2.83; 4700;occ; 135; 0;40695

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1; -747.1; 12-DEC-2009 02:22:50; Dark ; 49.0; 15; 67Alp Vir ; 0.98; 28000;occ; 98; 0;40695

2; -538.5; 12-DEC-2009 02:26:18; Dark ; 45.5; 169; 46Gam Hya ; 2.99; 4700;occ; 91; 0;40695  
3; -324.0; 12-DEC-2009 02:29:53; Dark ; 53.5; 171; 2Eps Crv ; 3.00; 4250;occ; 107; 0;40695  
4; -92.9; 12-DEC-2009 02:33:44; Dark ; 41.0; 64; Gam Cen ; 2.20; 10600;occ; 82; 0;40695  
5; 1.0; 12-DEC-2009 02:35:18; Dark ; 40.0; 99; Del Cen ; 2.58; 26000;occ; 80; 0;40696  
6; 220.0; 12-DEC-2009 02:38:57; Dark ; 44.0; 113; Mu Vel ; 2.69; 5000;occ; 88; 0;40696  
7; 461.8; 12-DEC-2009 02:42:59; Dark ; 42.5; 71; Iot Car ; 2.25; 7700;occ; 85; 0;40696  
8; 536.3; 12-DEC-2009 02:44:13; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;40696  
9; 735.8; 12-DEC-2009 02:47:33; Dark ; 46.5; 34; Gam2Vel ; 1.79; 23000;occ; 93; 0;40696  
10; 881.8; 12-DEC-2009 02:49:59; Dark ; 45.0; 2; Alp Car ; -0.74; 7000;occ; 90; 0;40696  
11; 1034.9; 12-DEC-2009 02:52:32; Dark ; 53.5; 117; Pi Pup ; 2.71; 3800;occ; 107; 0;40696  
12; 1238.7; 12-DEC-2009 02:55:56; Dark ; 58.0; 23; 21Eps CMA ; 1.50; 26000;occ; 116; 0;40696  
13; 1529.5; 12-DEC-2009 03:00:46; Dark ; 53.5; 47; 2Bet CMA ; 1.98; 28000;occ; 107; 0;40696  
14; 1748.1; 12-DEC-2009 03:04:25; Dark ; 51.5; 7; 19Bet Ori ; 0.10; 14000;occ; 103; 0;40696  
15; 1892.3; 12-DEC-2009 03:06:49; Dark ; 51.0; 30; 46Eps Ori ; 1.69; 30000;occ; 102; 0;40696  
16; 2037.9; 12-DEC-2009 03:09:15; Dark ; 51.5; 27; 24Gam Ori ; 1.64; 26000;occ; 103; 0;40696  
17; 2195.8; 12-DEC-2009 03:11:53; Dark ; 55.5; 13; 87Alp Tau ; 0.87; 3800;occ; 111; 0;40696  
18; 2350.8; 12-DEC-2009 03:14:28; Bright; 49.0; 176; 23Zet Tau ; 3.02; 22000;occ; 98; 0;40696  
19; 2450.9; 12-DEC-2009 03:16:08; Bright; 38.0; 150; 44Zet Per ; 2.89; 28000;occ; 76; 0;40696  
20; 2590.4; 12-DEC-2009 03:18:27; Bright; 36.0; 149; 45Eps Per ; 2.89; 30000;occ; 72; 0;40696  
21; 2702.8; 12-DEC-2009 03:20:20; Bright; 30.0; 107; 37The Aur ; 2.65; 11000;occ; 60; 0;40696  
22; 2762.8; 12-DEC-2009 03:21:20; Bright; 45.0; 6; 13Alp Aur ; 0.08; 3400;occ; 90; 0;40696

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1; -2279.1; 12-DEC-2009 03:37:54; Bright; 49.5; 36; 50Alp UMA ; 1.80; 6300;occ; 99; 0;40696  
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3; -1896.0; 12-DEC-2009 03:44:17; Bright; 56.0; 39; 85Eta UMA ; 1.85; 24000;occ; 112; 0;40696  
4; -1703.3; 12-DEC-2009 03:47:30; Bright; 40.5; 180; 27Gam Boo ; 3.04; 8000;occ; 81; 0;40696  
5; -1322.2; 12-DEC-2009 03:53:51; Bright; 57.0; 111; 8Eta Boo ; 2.68; 6000;occ; 114; 0;40696  
6; -1101.7; 12-DEC-2009 03:57:31; Bright; 68.0; 138; 47Eps Vir ; 2.83; 4700;occ; 136; 0;40696  
7; -746.8; 12-DEC-2009 04:03:26; Dark ; 50.0; 15; 67Alp Vir ; 0.98; 28000;occ; 100; 0;40696  
8; -537.8; 12-DEC-2009 04:06:55; Dark ; 45.5; 169; 46Gam Hya ; 2.99; 4700;occ; 91; 0;40696  
9; -418.8; 12-DEC-2009 04:08:54; Dark ; 52.0; 100; 4Gam Crv ; 2.58; 13100;occ; 104; 0;40696  
10; -322.8; 12-DEC-2009 04:10:30; Dark ; 56.5; 171; 2Eps Crv ; 3.00; 4250;occ; 113; 0;40696  
11; -92.2; 12-DEC-2009 04:14:21; Dark ; 43.0; 64; Gam Cen ; 2.20; 10600;occ; 86; 0;40696  
12; 1.5; 12-DEC-2009 04:15:54; Dark ; 40.5; 99; Del Cen ; 2.58; 26000;occ; 81; 0;40697  
13; 221.0; 12-DEC-2009 04:19:34; Dark ; 45.0; 113; Mu Vel ; 2.69; 5000;occ; 90; 0;40697  
14; 462.5; 12-DEC-2009 04:23:35; Dark ; 46.5; 71; Iot Car ; 2.25; 7700;occ; 93; 0;40697  
15; 537.1; 12-DEC-2009 04:24:50; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;40697  
16; 736.6; 12-DEC-2009 04:28:10; Dark ; 48.5; 34; Gam2Vel ; 1.79; 23000;occ; 97; 0;40697  
17; 882.1; 12-DEC-2009 04:30:35; Dark ; 45.0; 2; Alp Car ; -0.74; 7000;occ; 90; 0;40697  
18; 1035.4; 12-DEC-2009 04:33:08; Dark ; 55.5; 117; Pi Pup ; 2.71; 3800;occ; 111; 0;40697  
19; 1239.0; 12-DEC-2009 04:36:32; Dark ; 58.0; 23; 21Eps CMA ; 1.50; 26000;occ; 116; 0;40697  
20; 1529.6; 12-DEC-2009 04:41:23; Dark ; 54.5; 47; 2Bet CMA ; 1.98; 28000;occ; 109; 0;40697  
21; 1748.1; 12-DEC-2009 04:45:01; Dark ; 51.5; 7; 19Bet Ori ; 0.10; 14000;occ; 103; 0;40697  
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 19; 5720.2; 12-DEC-2009 14:14:13; Dark ; 52.5; 171; 2Eps Crv ; 3.00; 4250;occ; 105; 0;40702  
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 21; 6041.5; 12-DEC-2009 14:19:34; Dark ; 39.5; 99; Del Cen ; 2.58; 26000;occ; 79; 0;40702  
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 23; 6502.3; 12-DEC-2009 14:27:15; Dark ; 41.5; 71; Iot Car ; 2.25; 7700;occ; 83; 0;40702  
 24; 6577.6; 12-DEC-2009 14:28:30; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;40702  
 25; 6777.1; 12-DEC-2009 14:31:50; Dark ; 48.0; 34; Gam2Vel ; 1.79; 23000;occ; 96; 0;40702  
 26; 6920.6; 12-DEC-2009 14:34:13; Dark ; 51.0; 2; Alp Car ; -0.74; 7000;occ; 102; 0;40702  
 27; 7075.3; 12-DEC-2009 14:36:48; Dark ; 52.0; 117; Pi Pup ; 2.71; 3800;occ; 104; 0;40702  
 28; 7277.8; 12-DEC-2009 14:40:10; Dark ; 52.5; 23; 21Eps CMA ; 1.50; 26000;occ; 105; 0;40702

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1; 1530.3; 12-DEC-2009 14:44:59; Dark ; 55.0; 47; 2Bet CMA ; 1.98; 28000;occ; 110; 0;40703  
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 3; 1891.2; 12-DEC-2009 14:51:00; Dark ; 51.5; 30; 46Eps Ori ; 1.69; 30000;occ; 103; 0;40703  
 4; 2036.3; 12-DEC-2009 14:53:25; Dark ; 49.0; 27; 24Gam Ori ; 1.64; 26000;occ; 98; 0;40703  
 5; 2194.9; 12-DEC-2009 14:56:03; Dark ; 49.0; 13; 87Alp Tau ; 0.87; 3800;occ; 98; 0;40703  
 6; 2347.3; 12-DEC-2009 14:58:36; Bright; 47.0; 176; 23Zet Tau ; 3.02; 22000;occ; 94; 0;40703  
 7; 2469.1; 12-DEC-2009 15:00:38; Bright; 47.0; 28; 12Bet Tau ; 1.65; 15200;occ; 94; 0;40703  
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 9; 2697.5; 12-DEC-2009 15:04:26; Bright; 48.0; 107; 37The Aur ; 2.65; 11000;occ; 96; 0;40703  
 10; 2824.7; 12-DEC-2009 15:06:33; Bright; 43.0; 42; 34Bet Aur ; 1.90; 10200;occ; 86; 0;40703  
 11; 3753.7; 12-DEC-2009 15:22:02; Bright; 49.5; 36; 50Alp UMa ; 1.80; 6300;occ; 99; 0;40703  
 12; 3992.7; 12-DEC-2009 15:26:01; Bright; 44.0; 32; 77Eps UMa ; 1.76; 11000;occ; 88; 0;40703  
 13; 4139.9; 12-DEC-2009 15:28:28; Bright; 41.0; 39; 85Eta UMa ; 1.85; 24000;occ; 82; 0;40703  
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 15; 4716.0; 12-DEC-2009 15:38:04; Bright; 40.5; 111; 8Eta Boo ; 2.68; 6000;occ; 81; 0;40703  
 16; 4938.4; 12-DEC-2009 15:41:47; Bright; 49.5; 138; 47Eps Vir ; 2.83; 4700;occ; 99; 0;40703  
 17; 5293.6; 12-DEC-2009 15:47:42; Dark ; 49.0; 15; 67Alp Vir ; 0.98; 28000;occ; 98; 0;40703  
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 22; 6042.2; 12-DEC-2009 16:00:11; Dark ; 41.5; 99; Del Cen ; 2.58; 26000;occ; 83; 0;40703  
 23; 6263.1; 12-DEC-2009 16:03:52; Dark ; 45.0; 113; Mu Vel ; 2.69; 5000;occ; 90; 0;40703  
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 25; 6578.5; 12-DEC-2009 16:09:07; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;40703  
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 27; 6921.1; 12-DEC-2009 16:14:50; Dark ; 46.0; 2; Alp Car ; -0.74; 7000;occ; 92; 0;40703  
 28; 7076.1; 12-DEC-2009 16:17:25; Dark ; 53.5; 117; Pi Pup ; 2.71; 3800;occ; 107; 0;40703  
 29; 7278.4; 12-DEC-2009 16:20:47; Dark ; 41.0; 23; 21Eps CMA ; 1.50; 26000;occ; 82; 0;40703

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 2; 1530.5; 12-DEC-2009 16:25:35; Dark ; 56.0; 47; 2Bet CMA ; 1.98; 28000;occ; 112; 0;40704  
 3; 1748.3; 12-DEC-2009 16:29:13; Dark ; 49.5; 7; 19Bet Ori ; 0.10; 14000;occ; 99; 0;40704  
 4; 1891.3; 12-DEC-2009 16:31:36; Dark ; 51.5; 30; 46Eps Ori ; 1.69; 30000;occ; 103; 0;40704  
 5; 2036.1; 12-DEC-2009 16:34:01; Dark ; 50.0; 27; 24Gam Ori ; 1.64; 26000;occ; 100; 0;40704  
 6; 2194.9; 12-DEC-2009 16:36:39; Dark ; 55.0; 13; 87Alp Tau ; 0.87; 3800;occ; 110; 0;40704  
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 11; 2824.1; 12-DEC-2009 16:47:09; Bright; 45.0; 42; 34Bet Aur ; 1.90; 10200;occ; 90; 0;40704  
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 13; 3992.2; 12-DEC-2009 17:06:37; Bright; 47.0; 32; 77Eps UMa ; 1.76; 11000;occ; 94; 0;40704  
 14; 4140.1; 12-DEC-2009 17:09:05; Bright; 57.0; 39; 85Eta UMa ; 1.85; 24000;occ; 114; 0;40704  
 15; 4333.6; 12-DEC-2009 17:12:18; Bright; 33.5; 180; 27Gam Boo ; 3.04; 8000;occ; 67; 0;40704  
 16; 4716.6; 12-DEC-2009 17:18:41; Bright; 39.0; 111; 8Eta Boo ; 2.68; 6000;occ; 78; 0;40704  
 17; 4939.2; 12-DEC-2009 17:22:24; Bright; 49.5; 138; 47Eps Vir ; 2.83; 4700;occ; 99; 0;40704  
 18; 5294.4; 12-DEC-2009 17:28:19; Dark ; 50.0; 15; 67Alp Vir ; 0.98; 28000;occ; 100; 0;40704  
 19; 5503.5; 12-DEC-2009 17:31:48; Dark ; 48.0; 169; 46Gam Hya ; 2.99; 4700;occ; 96; 0;40704



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 21; 5722.4; 12-DEC-2009 17:35:27; Dark ; 58.0; 171; 2Eps Crv ; 3.00; 4250;occ; 116; 0;40704  
 22; 5948.4; 12-DEC-2009 17:39:13; Dark ; 45.5; 64; Gam Cen ; 2.20; 10600;occ; 91; 0;40704  
 23; 6042.9; 12-DEC-2009 17:40:47; Dark ; 40.5; 99; Del Cen ; 2.58; 26000;occ; 81; 0;40704  
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 25; 6503.7; 12-DEC-2009 17:48:28; Dark ; 40.0; 71; Iot Car ; 2.25; 7700;occ; 80; 0;40704  
 26; 6579.3; 12-DEC-2009 17:49:44; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;40704  
 27; 6778.7; 12-DEC-2009 17:53:03; Dark ; 47.0; 34; Gam2Vel ; 1.79; 23000;occ; 94; 0;40704  
 28; 6921.5; 12-DEC-2009 17:55:26; Dark ; 55.5; 2; Alp Car ; -0.74; 7000;occ; 111; 0;40704  
 29; 7076.7; 12-DEC-2009 17:58:01; Dark ; 56.5; 117; Pi Pup ; 2.71; 3800;occ; 113; 0;40704

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 4; 1891.0; 12-DEC-2009 18:12:12; Dark ; 51.0; 30; 46Eps Ori ; 1.69; 30000;occ; 102; 0;40705  
 5; 2035.7; 12-DEC-2009 18:14:36; Dark ; 49.5; 27; 24Gam Ori ; 1.64; 26000;occ; 99; 0;40705  
 6; 2194.7; 12-DEC-2009 18:17:15; Dark ; 49.0; 13; 87Alp Tau ; 0.87; 3800;occ; 98; 0;40705  
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 8; 2468.3; 12-DEC-2009 18:21:49; Bright; 46.0; 28; 12Bet Tau ; 1.65; 15200;occ; 92; 0;40705  
 9; 2589.8; 12-DEC-2009 18:23:50; Bright; 36.0; 149; 45Eps Per ; 2.89; 30000;occ; 72; 0;40705  
 10; 2696.0; 12-DEC-2009 18:25:37; Bright; 47.0; 107; 37The Aur ; 2.65; 11000;occ; 94; 0;40705  
 11; 2823.6; 12-DEC-2009 18:27:44; Bright; 45.5; 42; 34Bet Aur ; 1.90; 10200;occ; 91; 0;40705  
 12; 3752.6; 12-DEC-2009 18:43:13; Bright; 44.0; 36; 50Alp UMa ; 1.80; 6300;occ; 88; 0;40705  
 13; 3992.3; 12-DEC-2009 18:47:13; Bright; 44.5; 32; 77Eps UMa ; 1.76; 11000;occ; 89; 0;40705  
 14; 4139.7; 12-DEC-2009 18:49:40; Bright; 39.0; 39; 85Eta UMa ; 1.85; 24000;occ; 78; 0;40705  
 15; 4333.6; 12-DEC-2009 18:52:54; Bright; 41.5; 180; 27Gam Boo ; 3.04; 8000;occ; 83; 0;40705  
 16; 4716.5; 12-DEC-2009 18:59:17; Bright; 39.0; 111; 8Eta Boo ; 2.68; 6000;occ; 78; 0;40705  
 17; 4939.5; 12-DEC-2009 19:03:00; Bright; 55.0; 138; 47Eps Vir ; 2.83; 4700;occ; 110; 0;40705  
 18; 5295.1; 12-DEC-2009 19:08:56; Dark ; 51.0; 15; 67Alp Vir ; 0.98; 28000;occ; 102; 0;40705  
 19; 5504.1; 12-DEC-2009 19:12:25; Dark ; 46.0; 169; 46Gam Hya ; 2.99; 4700;occ; 92; 0;40705  
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 21; 5723.8; 12-DEC-2009 19:16:04; Dark ; 55.0; 171; 2Eps Crv ; 3.00; 4250;occ; 110; 0;40705  
 22; 5948.9; 12-DEC-2009 19:19:49; Dark ; 45.5; 64; Gam Cen ; 2.20; 10600;occ; 91; 0;40705  
 23; 6043.6; 12-DEC-2009 19:21:24; Dark ; 40.5; 99; Del Cen ; 2.58; 26000;occ; 81; 0;40705  
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 26; 6580.0; 12-DEC-2009 19:30:21; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;40705  
 27; 6779.3; 12-DEC-2009 19:33:40; Dark ; 44.5; 34; Gam2Vel ; 1.79; 23000;occ; 89; 0;40705  
 28; 6921.9; 12-DEC-2009 19:36:03; Dark ; 29.0; 2; Alp Car ; -0.74; 7000;occ; 58; 0;40705

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 3; 1243.2; 12-DEC-2009 19:42:00; Dark ; 57.0; 23; 21Eps CMa ; 1.50; 26000;occ; 114; 0;40706  
 4; 1530.7; 12-DEC-2009 19:46:47; Dark ; 55.0; 47; 2Bet CMa ; 1.98; 28000;occ; 110; 0;40706  
 5; 1748.3; 12-DEC-2009 19:50:25; Dark ; 49.0; 7; 19Bet Ori ; 0.10; 14000;occ; 98; 0;40706  
 6; 1890.9; 12-DEC-2009 19:52:47; Dark ; 50.0; 30; 46Eps Ori ; 1.69; 30000;occ; 100; 0;40706  
 7; 2035.6; 12-DEC-2009 19:55:12; Dark ; 48.0; 27; 24Gam Ori ; 1.64; 26000;occ; 96; 0;40706  
 8; 2194.5; 12-DEC-2009 19:57:51; Dark ; 55.0; 13; 87Alp Tau ; 0.87; 3800;occ; 110; 0;40706  
 9; 2345.5; 12-DEC-2009 20:00:22; Bright; 45.5; 176; 23Zet Tau ; 3.02; 22000;occ; 91; 0;40706  
 10; 2467.6; 12-DEC-2009 20:02:24; Bright; 45.0; 28; 12Bet Tau ; 1.65; 15200;occ; 90; 0;40706  
 11; 2589.7; 12-DEC-2009 20:04:26; Bright; 36.0; 149; 45Eps Per ; 2.89; 30000;occ; 72; 0;40706  
 12; 2695.2; 12-DEC-2009 20:06:12; Bright; 48.0; 107; 37The Aur ; 2.65; 11000;occ; 96; 0;40706  
 13; 2822.9; 12-DEC-2009 20:08:19; Bright; 46.5; 42; 34Bet Aur ; 1.90; 10200;occ; 93; 0;40706  
 14; 3752.1; 12-DEC-2009 20:23:49; Bright; 48.5; 36; 50Alp UMa ; 1.80; 6300;occ; 97; 0;40706  
 15; 3992.0; 12-DEC-2009 20:27:49; Bright; 40.0; 32; 77Eps UMa ; 1.76; 11000;occ; 80; 0;40706  
 16; 4139.9; 12-DEC-2009 20:30:16; Bright; 41.5; 39; 85Eta UMa ; 1.85; 24000;occ; 83; 0;40706  
 17; 4333.5; 12-DEC-2009 20:33:30; Bright; 35.5; 180; 27Gam Boo ; 3.04; 8000;occ; 71; 0;40706  
 18; 4716.6; 12-DEC-2009 20:39:53; Bright; 37.5; 111; 8Eta Boo ; 2.68; 6000;occ; 75; 0;40706  
 19; 4940.2; 12-DEC-2009 20:43:37; Bright; 53.5; 138; 47Eps Vir ; 2.83; 4700;occ; 107; 0;40706

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23; 2822.1; 12-DEC-2009 21:48:55; Bright; 66.0; 42; 34Bet Aur ; 1.90; 10200;occ; 132; 0;40707
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26; 4139.7; 12-DEC-2009 22:10:52; Bright; 57.0; 39; 85Eta UMa ; 1.85; 24000;occ; 114; 0;40707
27; 4333.8; 12-DEC-2009 22:14:06; Bright; 37.0; 180; 27Gam Boo ; 3.04; 8000;occ; 74; 0;40707
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29; 4940.7; 12-DEC-2009 22:24:13; Bright; 54.0; 138; 47Eps Vir ; 2.83; 4700;occ; 108; 0;40707
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 27; 7083.9; 13-DEC-2009 14:05:20; Dark ; 56.5; 117; Pi Pup ; 2.71; 3800;occ; 113; 0;40716  
 28; 7284.4; 13-DEC-2009 14:08:40; Dark ; 52.5; 23; 21Eps CMA ; 1.50; 26000;occ; 105; 0;40716

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 18; 4948.1; 13-DEC-2009 18:31:32; Bright; 70.0; 138; 47Eps Vir ; 2.83; 4700;occ; 140; 0;40719  
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 22; 5741.0; 13-DEC-2009 18:44:45; Dark ; 56.0; 171; 2Eps Crv ; 3.00; 4250;occ; 112; 0;40719  
 23; 5957.1; 13-DEC-2009 18:48:21; Dark ; 43.0; 64; Gam Cen ; 2.20; 10600;occ; 86; 0;40719  
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 22; 6310.0; 16-DEC-2009 08:56:23; Dark ; 45.0; 113; Mu Vel ; 2.69; 5000;occ; 90; 0;40756  
 23; 6536.0; 16-DEC-2009 09:00:10; Dark ; 42.0; 71; Iot Car ; 2.25; 7700;occ; 84; 0;40756  
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13; 508.0; 17-DEC-2009 06:48:05; Dark ; 41.5; 71; Iot Car ; 2.25; 7700;occ; 83; 0;40770
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 19; 6089.3; 17-DEC-2009 11:42:18; Dark ; 43.5; 99; Del Cen ; 2.58; 26000;occ; 87; 0;40772  
 20; 6324.2; 17-DEC-2009 11:46:13; Dark ; 45.5; 113; Mu Vel ; 2.69; 5000;occ; 91; 0;40772  
 21; 6545.8; 17-DEC-2009 11:49:54; Dark ; 41.5; 71; Iot Car ; 2.25; 7700;occ; 83; 0;40772  
 22; 6630.4; 17-DEC-2009 11:51:19; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;40772  
 23; 6827.3; 17-DEC-2009 11:54:36; Dark ; 46.5; 34; Gam2Vel ; 1.79; 23000;occ; 93; 0;40772  
 24; 6955.9; 17-DEC-2009 11:56:44; Dark ; 52.0; 70; Zet Pup ; 2.25; 39000;occ; 104; 0;40772  
 25; 7115.6; 17-DEC-2009 11:59:24; Dark ; 53.5; 117; Pi Pup ; 2.71; 3800;occ; 107; 0;40772  
 26; 7308.0; 17-DEC-2009 12:02:36; Dark ; 53.0; 23; 21Eps CMa ; 1.50; 26000;occ; 106; 0;40772  
 27; 7414.2; 17-DEC-2009 12:04:23; Dark ; 45.0; 179; 240mi2CMa ; 3.03; 24000;occ; 90; 0;40772  
 28; 7576.4; 17-DEC-2009 12:07:05; Dark ; 48.5; 47; 2Bet CMa ; 1.98; 28000;occ; 97; 0;40772

/nas3/ENVISAT/GOMOS/GOM\_NL\_0P/GOM\_NL\_0PNPDK20091217\_120741\_000058872085\_00138\_40773\_5795.N1

1; 1577.1; 17-DEC-2009 12:07:41; Dark ; 49.0; 47; 2Bet CMa ; 1.98; 28000;occ; 98; 73;40773  
 2; 1750.9; 17-DEC-2009 12:10:35; Dark ; 45.5; 7; 19Bet Ori ; 0.10; 14000;occ; 91; 0;40773  
 3; 1883.5; 17-DEC-2009 12:12:48; Dark ; 47.0; 30; 46Eps Ori ; 1.69; 30000;occ; 94; 0;40773  
 4; 2067.9; 17-DEC-2009 12:15:52; Dark ; 57.5; 14; 58Alp Ori ; 0.87; 3000;occ; 115; 0;40773  
 5; 2189.2; 17-DEC-2009 12:17:54; Dark ; 50.0; 13; 87Alp Tau ; 0.87; 3800;occ; 100; 0;40773  
 6; 2316.7; 17-DEC-2009 12:20:01; Bright; 43.5; 176; 23Zet Tau ; 3.02; 22000;occ; 87; 0;40773  
 7; 2440.2; 17-DEC-2009 12:22:05; Bright; 43.5; 28; 12Bet Tau ; 1.65; 15200;occ; 87; 0;40773  
 8; 2651.9; 17-DEC-2009 12:25:36; Bright; 43.5; 107; 37The Aur ; 2.65; 11000;occ; 87; 0;40773  
 9; 2783.2; 17-DEC-2009 12:27:48; Bright; 42.0; 42; 34Bet Aur ; 1.90; 10200;occ; 84; 0;40773  
 10; 3704.1; 17-DEC-2009 12:43:09; Bright; 34.5; 60; 7Bet UMi ; 2.08; 3950;occ; 69; 0;40773  
 11; 3977.8; 17-DEC-2009 12:47:42; Bright; 43.0; 32; 77Eps UMA ; 1.76; 11000;occ; 86; 0;40773  
 12; 4136.4; 17-DEC-2009 12:50:21; Bright; 58.0; 39; 85Eta UMA ; 1.85; 24000;occ; 116; 0;40773  
 13; 4534.7; 17-DEC-2009 12:56:59; Bright; 54.0; 83; ; 2.38; 11000;occ; 108; 0;40773  
 14; 4737.5; 17-DEC-2009 13:00:22; Bright; 42.5; 111; 8Eta Boo ; 2.68; 6000;occ; 85; 0;40773  
 15; 5343.1; 17-DEC-2009 13:10:27; Dark ; 51.0; 15; 67Alp Vir ; 0.98; 28000;occ; 102; 0;40773  
 16; 5634.0; 17-DEC-2009 13:15:18; Dark ; 31.0; 163; 7Del Crv ; 2.94; 11000;occ; 62; 0;40773  
 17; 5710.7; 17-DEC-2009 13:16:35; Dark ; 56.5; 106; 9Bet Crv ; 2.65; 5600;occ; 113; 0;40773  
 18; 5990.7; 17-DEC-2009 13:21:15; Dark ; 46.5; 64; Gam Cen ; 2.20; 10600;occ; 93; 0;40773  
 19; 6090.0; 17-DEC-2009 13:22:54; Dark ; 41.5; 99; Del Cen ; 2.58; 26000;occ; 83; 0;40773  
 20; 6325.2; 17-DEC-2009 13:26:50; Dark ; 45.5; 113; Mu Vel ; 2.69; 5000;occ; 91; 0;40773  
 21; 6546.4; 17-DEC-2009 13:30:31; Dark ; 42.0; 71; Iot Car ; 2.25; 7700;occ; 84; 0;40773  
 22; 6631.2; 17-DEC-2009 13:31:56; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;40773  
 23; 6828.1; 17-DEC-2009 13:35:13; Dark ; 43.5; 34; Gam2Vel ; 1.79; 23000;occ; 87; 0;40773  
 24; 6956.9; 17-DEC-2009 13:37:21; Dark ; 48.5; 70; Zet Pup ; 2.25; 39000;occ; 97; 0;40773  
 25; 7116.2; 17-DEC-2009 13:40:01; Dark ; 55.5; 117; Pi Pup ; 2.71; 3800;occ; 111; 0;40773  
 26; 7308.5; 17-DEC-2009 13:43:13; Dark ; 53.5; 23; 21Eps CMa ; 1.50; 26000;occ; 107; 0;40773  
 27; 7414.8; 17-DEC-2009 13:44:59; Dark ; 49.5; 179; 240mi2CMa ; 3.03; 24000;occ; 99; 0;40773

/nas3/ENVISAT/GOMOS/GOM\_NL\_0P/GOM\_NL\_0PNPDK20091217\_134741\_000058852085\_00139\_40774\_5796.N1

1; 1540.5; 17-DEC-2009 13:47:41; Dark ; 50.0; 47; 2Bet CMa ; 1.98; 28000;occ; 100; 0;40774  
 2; 1750.9; 17-DEC-2009 13:51:11; Dark ; 47.5; 7; 19Bet Ori ; 0.10; 14000;occ; 95; 0;40774  
 3; 1883.2; 17-DEC-2009 13:53:23; Dark ; 48.5; 30; 46Eps Ori ; 1.69; 30000;occ; 97; 0;40774  
 4; 2067.5; 17-DEC-2009 13:56:28; Dark ; 57.0; 14; 58Alp Ori ; 0.87; 3000;occ; 114; 0;40774  
 5; 2189.3; 17-DEC-2009 13:58:30; Dark ; 49.0; 13; 87Alp Tau ; 0.87; 3800;occ; 98; 0;40774  
 6; 2316.4; 17-DEC-2009 14:00:37; Bright; 41.5; 176; 23Zet Tau ; 3.02; 22000;occ; 83; 0;40774  
 7; 2440.1; 17-DEC-2009 14:02:40; Bright; 43.5; 28; 12Bet Tau ; 1.65; 15200;occ; 87; 0;40774  
 8; 2651.5; 17-DEC-2009 14:06:12; Bright; 43.5; 107; 37The Aur ; 2.65; 11000;occ; 87; 0;40774  
 9; 2782.5; 17-DEC-2009 14:08:23; Bright; 43.5; 42; 34Bet Aur ; 1.90; 10200;occ; 87; 0;40774  
 10; 3704.2; 17-DEC-2009 14:23:44; Bright; 38.5; 60; 7Bet UMi ; 2.08; 3950;occ; 77; 0;40774  
 11; 3977.7; 17-DEC-2009 14:28:18; Bright; 42.0; 32; 77Eps UMA ; 1.76; 11000;occ; 84; 0;40774  
 12; 4136.1; 17-DEC-2009 14:30:56; Bright; 39.5; 39; 85Eta UMA ; 1.85; 24000;occ; 79; 0;40774  
 13; 4340.1; 17-DEC-2009 14:34:20; Bright; 55.0; 180; 27Gam Boo ; 3.04; 8000;occ; 110; 0;40774  
 14; 4535.1; 17-DEC-2009 14:37:35; Bright; 35.5; 83; ; 2.38; 11000;occ; 71; 0;40774  
 15; 4738.0; 17-DEC-2009 14:40:58; Bright; 42.0; 111; 8Eta Boo ; 2.68; 6000;occ; 84; 0;40774  
 16; 5343.8; 17-DEC-2009 14:51:04; Dark ; 54.5; 15; 67Alp Vir ; 0.98; 28000;occ; 109; 0;40774  
 17; 5554.5; 17-DEC-2009 14:54:35; Dark ; 47.0; 169; 46Gam Hya ; 2.99; 4700;occ; 94; 0;40774  
 18; 5711.8; 17-DEC-2009 14:57:12; Dark ; 51.5; 106; 9Bet Crv ; 2.65; 5600;occ; 103; 0;40774  
 19; 5991.4; 17-DEC-2009 15:01:52; Dark ; 41.0; 64; Gam Cen ; 2.20; 10600;occ; 82; 0;40774  
 20; 6090.7; 17-DEC-2009 15:03:31; Dark ; 40.5; 99; Del Cen ; 2.58; 26000;occ; 81; 0;40774  
 21; 6326.1; 17-DEC-2009 15:07:26; Dark ; 45.0; 113; Mu Vel ; 2.69; 5000;occ; 90; 0;40774

22; 6547.2; 17-DEC-2009 15:11:07; Dark ; 41.0; 71; Iot Car ; 2.25; 7700;occ; 82; 0;40774  
 23; 6632.0; 17-DEC-2009 15:12:32; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;40774  
 24; 6828.8; 17-DEC-2009 15:15:49; Dark ; 45.0; 34; Gam2Vel ; 1.79; 23000;occ; 90; 0;40774  
 25; 6957.5; 17-DEC-2009 15:17:58; Dark ; 51.0; 70; Zet Pup ; 2.25; 39000;occ; 102; 0;40774  
 26; 7116.7; 17-DEC-2009 15:20:37; Dark ; 52.0; 117; Pi Pup ; 2.71; 3800;occ; 104; 0;40774  
 27; 7309.0; 17-DEC-2009 15:23:49; Dark ; 52.0; 23; 21Eps CMA ; 1.50; 26000;occ; 104; 0;40774  
 28; 7415.0; 17-DEC-2009 15:25:35; Dark ; 10.5; 179; 240mi2CMA ; 3.03; 24000;occ; 21; 0;40774

/nas3/ENVISAT/GOMOS/GOM\_NL\_\_0P/GOM\_NL\_\_0PNPDK20091217\_152535\_000057882085\_00140\_40775\_5797.N1

1; 1379.1; 17-DEC-2009 15:25:35; Dark ; 50.0; 179; 240mi2CMA ; 3.03; 24000;occ; 100; 0;40775  
 2; 1540.7; 17-DEC-2009 15:28:17; Dark ; 50.5; 47; 2Bet CMA ; 1.98; 28000;occ; 101; 0;40775  
 3; 1751.0; 17-DEC-2009 15:31:47; Dark ; 52.5; 7; 19Bet Ori ; 0.10; 14000;occ; 105; 0;40775  
 4; 1883.1; 17-DEC-2009 15:33:59; Dark ; 46.5; 30; 46Eps Ori ; 1.69; 30000;occ; 93; 0;40775  
 5; 2067.4; 17-DEC-2009 15:37:04; Dark ; 65.0; 14; 58Alp Ori ; 0.87; 3000;occ; 130; 0;40775  
 6; 2189.1; 17-DEC-2009 15:39:05; Dark ; 52.5; 13; 87Alp Tau ; 0.87; 3800;occ; 105; 0;40775  
 7; 2316.0; 17-DEC-2009 15:41:12; Bright; 44.5; 176; 23Zet Tau ; 3.02; 22000;occ; 89; 0;40775  
 8; 2439.5; 17-DEC-2009 15:43:16; Bright; 44.0; 28; 12Bet Tau ; 1.65; 15200;occ; 88; 0;40775  
 9; 2651.0; 17-DEC-2009 15:46:47; Bright; 44.0; 107; 37The Aur ; 2.65; 11000;occ; 88; 0;40775  
 10; 2782.0; 17-DEC-2009 15:48:58; Bright; 43.0; 42; 34Bet Aur ; 1.90; 10200;occ; 86; 0;40775  
 11; 3704.2; 17-DEC-2009 16:04:20; Bright; 39.0; 60; 7Bet UMi ; 2.08; 3950;occ; 78; 0;40775  
 12; 3977.4; 17-DEC-2009 16:08:54; Bright; 62.0; 32; 77Eps UMa ; 1.76; 11000;occ; 124; 0;40775  
 13; 4136.1; 17-DEC-2009 16:11:32; Bright; 41.5; 39; 85Eta UMa ; 1.85; 24000;occ; 83; 0;40775  
 14; 4340.5; 17-DEC-2009 16:14:57; Bright; 35.5; 180; 27Gam Boo ; 3.04; 8000;occ; 71; 0;40775  
 15; 4535.1; 17-DEC-2009 16:18:11; Bright; 35.5; 83; ; 2.38; 11000;occ; 71; 0;40775  
 16; 4738.2; 17-DEC-2009 16:21:34; Bright; 40.0; 111; 8Eta Boo ; 2.68; 6000;occ; 80; 0;40775  
 17; 5344.7; 17-DEC-2009 16:31:41; Dark ; 54.5; 15; 67Alp Vir ; 0.98; 28000;occ; 109; 0;40775  
 18; 5555.2; 17-DEC-2009 16:35:11; Dark ; 48.5; 169; 46Gam Hya ; 2.99; 4700;occ; 97; 0;40775  
 19; 5712.9; 17-DEC-2009 16:37:49; Dark ; 58.0; 106; 9Bet Crv ; 2.65; 5600;occ; 116; 0;40775  
 20; 5992.1; 17-DEC-2009 16:42:28; Dark ; 45.5; 64; Gam Cen ; 2.20; 10600;occ; 91; 0;40775  
 21; 6091.6; 17-DEC-2009 16:44:08; Dark ; 41.5; 99; Del Cen ; 2.58; 26000;occ; 83; 0;40775  
 22; 6327.1; 17-DEC-2009 16:48:03; Dark ; 49.0; 113; Mu Vel ; 2.69; 5000;occ; 98; 0;40775  
 23; 6547.7; 17-DEC-2009 16:51:44; Dark ; 42.5; 71; Iot Car ; 2.25; 7700;occ; 85; 0;40775  
 24; 6632.8; 17-DEC-2009 16:53:09; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;40775  
 25; 6829.6; 17-DEC-2009 16:56:26; Dark ; 54.0; 34; Gam2Vel ; 1.79; 23000;occ; 108; 0;40775  
 26; 6958.2; 17-DEC-2009 16:58:34; Dark ; 53.5; 70; Zet Pup ; 2.25; 39000;occ; 107; 0;40775  
 27; 7117.5; 17-DEC-2009 17:01:14; Dark ; 50.5; 117; Pi Pup ; 2.71; 3800;occ; 101; 0;40775

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1; 1273.4; 17-DEC-2009 17:04:26; Dark ; 52.0; 23; 21Eps CMA ; 1.50; 26000;occ; 104; 0;40776  
 2; 1379.5; 17-DEC-2009 17:06:12; Dark ; 51.5; 179; 240mi2CMA ; 3.03; 24000;occ; 103; 0;40776  
 3; 1557.5; 17-DEC-2009 17:09:10; Dark ; 27.0; 1; 9Alp CMA ; -1.44; 11000;occ; 54; 0;40776  
 4; 1751.1; 17-DEC-2009 17:12:23; Dark ; 46.5; 7; 19Bet Ori ; 0.10; 14000;occ; 93; 0;40776  
 5; 1882.9; 17-DEC-2009 17:14:35; Dark ; 48.0; 30; 46Eps Ori ; 1.69; 30000;occ; 96; 0;40776  
 6; 2067.1; 17-DEC-2009 17:17:39; Dark ; 57.5; 14; 58Alp Ori ; 0.87; 3000;occ; 115; 0;40776  
 7; 2189.1; 17-DEC-2009 17:19:41; Dark ; 48.0; 13; 87Alp Tau ; 0.87; 3800;occ; 96; 0;40776  
 8; 2315.8; 17-DEC-2009 17:21:48; Bright; 44.0; 176; 23Zet Tau ; 3.02; 22000;occ; 88; 0;40776  
 9; 2439.2; 17-DEC-2009 17:23:51; Bright; 43.0; 28; 12Bet Tau ; 1.65; 15200;occ; 86; 0;40776  
 10; 2650.2; 17-DEC-2009 17:27:22; Bright; 44.0; 107; 37The Aur ; 2.65; 11000;occ; 88; 0;40776  
 11; 2781.4; 17-DEC-2009 17:29:34; Bright; 43.0; 42; 34Bet Aur ; 1.90; 10200;occ; 86; 0;40776  
 12; 3704.1; 17-DEC-2009 17:44:56; Bright; 34.0; 60; 7Bet UMi ; 2.08; 3950;occ; 68; 0;40776  
 13; 3977.1; 17-DEC-2009 17:49:29; Bright; 56.0; 32; 77Eps UMa ; 1.76; 11000;occ; 112; 0;40776  
 14; 4136.2; 17-DEC-2009 17:52:08; Bright; 38.5; 39; 85Eta UMa ; 1.85; 24000;occ; 77; 0;40776  
 15; 4340.5; 17-DEC-2009 17:55:33; Bright; 36.0; 180; 27Gam Boo ; 3.04; 8000;occ; 72; 0;40776  
 16; 4535.5; 17-DEC-2009 17:58:48; Bright; 36.5; 83; ; 2.38; 11000;occ; 73; 0;40776  
 17; 4738.4; 17-DEC-2009 18:02:11; Bright; 41.5; 111; 8Eta Boo ; 2.68; 6000;occ; 83; 0;40776  
 18; 5345.4; 17-DEC-2009 18:12:18; Dark ; 52.5; 15; 67Alp Vir ; 0.98; 28000;occ; 105; 0;40776  
 19; 5556.2; 17-DEC-2009 18:15:48; Dark ; 46.5; 169; 46Gam Hya ; 2.99; 4700;occ; 93; 0;40776  
 20; 5714.2; 17-DEC-2009 18:18:26; Dark ; 51.5; 106; 9Bet Crv ; 2.65; 5600;occ; 103; 0;40776  
 21; 5992.9; 17-DEC-2009 18:23:05; Dark ; 41.0; 64; Gam Cen ; 2.20; 10600;occ; 82; 0;40776  
 22; 6092.2; 17-DEC-2009 18:24:44; Dark ; 41.5; 99; Del Cen ; 2.58; 26000;occ; 83; 0;40776  
 23; 6327.9; 17-DEC-2009 18:28:40; Dark ; 45.5; 113; Mu Vel ; 2.69; 5000;occ; 91; 0;40776  
 24; 6548.4; 17-DEC-2009 18:32:21; Dark ; 44.0; 71; Iot Car ; 2.25; 7700;occ; 88; 0;40776  
 25; 6633.5; 17-DEC-2009 18:33:46; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;40776  
 26; 6830.3; 17-DEC-2009 18:37:03; Dark ; 49.5; 34; Gam2Vel ; 1.79; 23000;occ; 99; 0;40776  
 27; 6959.2; 17-DEC-2009 18:39:11; Dark ; 50.5; 70; Zet Pup ; 2.25; 39000;occ; 101; 0;40776

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1; 1082.0; 17-DEC-2009 18:41:50; Dark ; 53.0; 117; Pi Pup ; 2.71; 3800;occ; 106; 0;40777  
 2; 1273.8; 17-DEC-2009 18:45:02; Dark ; 52.5; 23; 21Eps CMA ; 1.50; 26000;occ; 105; 0;40777  
 3; 1379.5; 17-DEC-2009 18:46:48; Dark ; 54.0; 179; 240mi2CMA ; 3.03; 24000;occ; 108; 0;40777  
 4; 1557.8; 17-DEC-2009 18:49:46; Dark ; 27.0; 1; 9Alp CMA ; -1.44; 11000;occ; 54; 0;40777



5; 1751.1; 17-DEC-2009 18:52:59; Dark ; 46.0; 7; 19Bet Ori ; 0.10; 14000;occ; 92; 0;40777  
6; 1883.0; 17-DEC-2009 18:55:11; Dark ; 48.5; 30; 46Eps Ori ; 1.69; 30000;occ; 97; 0;40777  
7; 2066.6; 17-DEC-2009 18:58:15; Dark ; 56.0; 14; 58Alp Ori ; 0.87; 3000;occ; 112; 0;40777  
8; 2189.1; 17-DEC-2009 19:00:17; Dark ; 44.5; 13; 87Alp Tau ; 0.87; 3800;occ; 89; 0;40777  
9; 2315.1; 17-DEC-2009 19:02:23; Bright; 43.5; 176; 23Zet Tau ; 3.02; 22000;occ; 87; 0;40777  
10; 2438.6; 17-DEC-2009 19:04:27; Bright; 56.5; 28; 12Bet Tau ; 1.65; 15200;occ; 113; 0;40777  
11; 2649.6; 17-DEC-2009 19:07:58; Bright; 45.0; 107; 37The Aur ; 2.65; 11000;occ; 90; 0;40777  
12; 2780.9; 17-DEC-2009 19:10:09; Bright; 43.0; 42; 34Bet Aur ; 1.90; 10200;occ; 86; 0;40777  
13; 3704.1; 17-DEC-2009 19:25:32; Bright; 38.0; 60; 7Bet UMi ; 2.08; 3950;occ; 76; 0;40777  
14; 3977.1; 17-DEC-2009 19:30:05; Bright; 40.5; 32; 77Eps UMa ; 1.76; 11000;occ; 81; 0;40777  
15; 4136.1; 17-DEC-2009 19:32:44; Bright; 58.0; 39; 85Eta UMa ; 1.85; 24000;occ; 116; 0;40777  
16; 4340.3; 17-DEC-2009 19:36:09; Bright; 35.0; 180; 27Gam Boo ; 3.04; 8000;occ; 70; 0;40777  
17; 4535.6; 17-DEC-2009 19:39:24; Bright; 38.5; 83; ; 2.38; 11000;occ; 77; 0;40777  
18; 4738.7; 17-DEC-2009 19:42:47; Bright; 42.0; 111; 8Eta Boo ; 2.68; 6000;occ; 84; 0;40777  
19; 5346.1; 17-DEC-2009 19:52:54; Dark ; 52.5; 15; 67Alp Vir ; 0.98; 28000;occ; 105; 0;40777  
20; 5556.6; 17-DEC-2009 19:56:25; Dark ; 45.0; 169; 46Gam Hya ; 2.99; 4700;occ; 90; 0;40777  
21; 5715.4; 17-DEC-2009 19:59:04; Dark ; 55.0; 106; 9Bet Crv ; 2.65; 5600;occ; 110; 0;40777  
22; 5993.2; 17-DEC-2009 20:03:41; Dark ; 50.5; 64; Gam Cen ; 2.20; 10600;occ; 101; 0;40777  
23; 6092.8; 17-DEC-2009 20:05:21; Dark ; 41.0; 99; Del Cen ; 2.58; 26000;occ; 82; 0;40777  
24; 6328.7; 17-DEC-2009 20:09:17; Dark ; 45.0; 113; Mu Vel ; 2.69; 5000;occ; 90; 0;40777  
25; 6548.8; 17-DEC-2009 20:12:57; Dark ; 41.0; 71; Iot Car ; 2.25; 7700;occ; 82; 0;40777  
26; 6634.2; 17-DEC-2009 20:14:22; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;40777  
27; 6831.0; 17-DEC-2009 20:17:39; Dark ; 47.0; 34; Gam2Vel ; 1.79; 23000;occ; 94; 0;40777

/nas3/ENVISAT/GOMOS/GOM\_NL\_\_0P/GOM\_NL\_\_0PNPDE20091218\_005444\_000048392085\_00145\_40780\_9148.N1

1; -687.4; 18-DEC-2009 00:54:44; Dark ; 54.5; 15; 67Alp Vir ; 0.98; 28000;occ; 109; 0;40780  
2; -317.3; 18-DEC-2009 01:00:55; Dark ; 54.5; 106; 9Bet Crv ; 2.65; 5600;occ; 109; 0;40780  
3; 59.1; 18-DEC-2009 01:07:11; Dark ; 42.5; 99; Del Cen ; 2.58; 26000;occ; 85; 0;40781  
4; 295.4; 18-DEC-2009 01:11:07; Dark ; 44.5; 113; Mu Vel ; 2.69; 5000;occ; 89; 0;40781  
5; 514.6; 18-DEC-2009 01:14:46; Dark ; 40.5; 71; Iot Car ; 2.25; 7700;occ; 81; 0;40781  
6; 600.5; 18-DEC-2009 01:16:12; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;40781  
7; 797.0; 18-DEC-2009 01:19:29; Dark ; 44.5; 34; Gam2Vel ; 1.79; 23000;occ; 89; 0;40781  
8; 926.0; 18-DEC-2009 01:21:38; Dark ; 51.0; 70; Zet Pup ; 2.25; 39000;occ; 102; 0;40781  
9; 1084.0; 18-DEC-2009 01:24:16; Dark ; 51.5; 117; Pi Pup ; 2.71; 3800;occ; 103; 0;40781  
10; 1275.5; 18-DEC-2009 01:27:27; Dark ; 51.0; 23; 21Eps CMa ; 1.50; 26000;occ; 102; 0;40781  
11; 1381.0; 18-DEC-2009 01:29:13; Dark ; 52.0; 179; 240mi2CMa ; 3.03; 24000;occ; 104; 0;40781  
12; 1558.1; 18-DEC-2009 01:32:10; Dark ; 39.0; 1; 9Alp CMa ; -1.44; 11000;occ; 78; 0;40781  
13; 1751.1; 18-DEC-2009 01:35:23; Dark ; 48.0; 7; 19Bet Ori ; 0.10; 14000;occ; 96; 0;40781  
14; 1882.5; 18-DEC-2009 01:37:34; Dark ; 44.5; 30; 46Eps Ori ; 1.69; 30000;occ; 89; 0;40781  
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 26; 6968.4; 18-DEC-2009 16:27:08; Dark ; 51.5; 70; Zet Pup ; 2.25; 39000;occ; 103; 0;40789  
 27; 7125.0; 18-DEC-2009 16:29:44; Dark ; 52.0; 117; Pi Pup ; 2.71; 3800;occ; 104; 0;40789  
 28; 7314.8; 18-DEC-2009 16:32:54; Dark ; 47.5; 23; 21Eps CMA ; 1.50; 26000;occ; 95; 0;40789

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1; 1278.8; 18-DEC-2009 16:32:54; Dark ; 52.5; 23; 21Eps CMA ; 1.50; 26000;occ; 105; 0;40790  
 2; 1383.8; 18-DEC-2009 16:34:39; Dark ; 52.0; 179; 240mi2CMA ; 3.03; 24000;occ; 104; 0;40790  
 3; 1559.0; 18-DEC-2009 16:37:34; Dark ; 60.5; 1; 9Alp CMA ; -1.44; 11000;occ; 121; 0;40790  
 4; 1751.8; 18-DEC-2009 16:40:47; Dark ; 47.0; 7; 19Bet Ori ; 0.10; 14000;occ; 94; 0;40790  
 5; 1882.0; 18-DEC-2009 16:42:57; Dark ; 46.5; 30; 46Eps Ori ; 1.69; 30000;occ; 93; 0;40790  
 6; 2062.8; 18-DEC-2009 16:45:58; Dark ; 64.0; 14; 58Alp Ori ; 0.87; 3000;occ; 128; 0;40790  
 7; 2188.4; 18-DEC-2009 16:48:04; Dark ; 48.0; 13; 87Alp Tau ; 0.87; 3800;occ; 96; 0;40790  
 8; 2310.5; 18-DEC-2009 16:50:06; Bright; 41.0; 176; 23Zet Tau ; 3.02; 22000;occ; 82; 0;40790  
 9; 2434.3; 18-DEC-2009 16:52:10; Bright; 43.0; 28; 12Bet Tau ; 1.65; 15200;occ; 86; 0;40790  
 10; 2642.4; 18-DEC-2009 16:55:38; Bright; 43.0; 107; 37The Aur ; 2.65; 11000;occ; 86; 0;40790  
 11; 2773.8; 18-DEC-2009 16:57:49; Bright; 42.5; 42; 34Bet Aur ; 1.90; 10200;occ; 85; 0;40790  
 12; 3703.9; 18-DEC-2009 17:13:19; Bright; 34.5; 60; 7Bet UMi ; 2.08; 3950;occ; 69; 0;40790  
 13; 3973.7; 18-DEC-2009 17:17:49; Bright; 63.0; 32; 77Eps UMa ; 1.76; 11000;occ; 126; 0;40790  
 14; 4134.9; 18-DEC-2009 17:20:30; Bright; 38.5; 39; 85Eta UMa ; 1.85; 24000;occ; 77; 0;40790  
 15; 4341.5; 18-DEC-2009 17:23:57; Bright; 56.0; 180; 27Gam Boo ; 3.04; 8000;occ; 112; 0;40790  
 16; 4537.8; 18-DEC-2009 17:27:13; Bright; 35.5; 83; ; 2.38; 11000;occ; 71; 0;40790  
 17; 4743.0; 18-DEC-2009 17:30:38; Bright; 50.0; 111; 8Eta Boo ; 2.68; 6000;occ; 100; 0;40790  
 18; 5356.5; 18-DEC-2009 17:40:52; Dark ; 57.5; 15; 67Alp Vir ; 0.98; 28000;occ; 115; 0;40790  
 19; 5567.2; 18-DEC-2009 17:44:23; Dark ; 46.0; 169; 46Gam Hya ; 2.99; 4700;occ; 92; 0;40790  
 20; 5730.6; 18-DEC-2009 17:47:06; Dark ; 54.0; 106; 9Bet Crv ; 2.65; 5600;occ; 108; 0;40790  
 21; 6001.9; 18-DEC-2009 17:51:37; Dark ; 41.0; 64; Gam Cen ; 2.20; 10600;occ; 82; 0;40790  
 22; 6102.3; 18-DEC-2009 17:53:18; Dark ; 41.5; 99; Del Cen ; 2.58; 26000;occ; 83; 0;40790  
 23; 6340.5; 18-DEC-2009 17:57:16; Dark ; 46.0; 113; Mu Vel ; 2.69; 5000;occ; 92; 0;40790  
 24; 6556.8; 18-DEC-2009 18:00:52; Dark ; 43.0; 71; Iot Car ; 2.25; 7700;occ; 86; 0;40790  
 25; 6643.7; 18-DEC-2009 18:02:19; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;40790  
 26; 6839.8; 18-DEC-2009 18:05:35; Dark ; 46.5; 34; Gam2Vel ; 1.79; 23000;occ; 93; 0;40790  
 27; 6969.2; 18-DEC-2009 18:07:45; Dark ; 50.0; 70; Zet Pup ; 2.25; 39000;occ; 100; 0;40790  
 28; 7125.4; 18-DEC-2009 18:10:21; Dark ; 32.5; 117; Pi Pup ; 2.71; 3800;occ; 65; 0;40790



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1; 1089.4; 18-DEC-2009 18:10:21; Dark ; 51.0; 117; Pi Pup ; 2.71; 3800;occ; 102; 0;40791  
 2; 1279.2; 18-DEC-2009 18:13:31; Dark ; 53.0; 23; 21Eps CMa ; 1.50; 26000;occ; 106; 0;40791  
 3; 1384.3; 18-DEC-2009 18:15:16; Dark ; 49.0; 179; 240mi2CMa ; 3.03; 24000;occ; 98; 0;40791  
 4; 1559.3; 18-DEC-2009 18:18:11; Dark ; 60.5; 1; 9Alp CMa ; -1.44; 11000;occ; 121; 0;40791  
 5; 1751.8; 18-DEC-2009 18:21:23; Dark ; 47.5; 7; 19Bet Ori ; 0.10; 14000;occ; 95; 0;40791  
 6; 1881.9; 18-DEC-2009 18:23:33; Dark ; 46.5; 30; 46Eps Ori ; 1.69; 30000;occ; 93; 0;40791  
 7; 2062.6; 18-DEC-2009 18:26:34; Dark ; 61.0; 14; 58Alp Ori ; 0.87; 3000;occ; 122; 0;40791  
 8; 2188.5; 18-DEC-2009 18:28:40; Dark ; 43.5; 13; 87Alp Tau ; 0.87; 3800;occ; 87; 0;40791  
 9; 2310.3; 18-DEC-2009 18:30:42; Bright; 44.5; 176; 23Zet Tau ; 3.02; 22000;occ; 89; 0;40791  
 10; 2434.0; 18-DEC-2009 18:32:45; Bright; 42.5; 28; 12Bet Tau ; 1.65; 15200;occ; 85; 0;40791  
 11; 2642.0; 18-DEC-2009 18:36:13; Bright; 43.5; 107; 37The Aur ; 2.65; 11000;occ; 87; 0;40791  
 12; 2773.4; 18-DEC-2009 18:38:25; Bright; 41.5; 42; 34Bet Aur ; 1.90; 10200;occ; 83; 0;40791  
 13; 3703.5; 18-DEC-2009 18:53:55; Bright; 38.0; 60; 7Bet UMi ; 2.08; 3950;occ; 76; 0;40791  
 14; 3973.5; 18-DEC-2009 18:58:25; Bright; 44.5; 32; 77Eps UMa ; 1.76; 11000;occ; 89; 0;40791  
 15; 4134.7; 18-DEC-2009 19:01:06; Bright; 52.0; 39; 85Eta UMa ; 1.85; 24000;occ; 104; 0;40791  
 16; 4341.6; 18-DEC-2009 19:04:33; Bright; 35.5; 180; 27Gam Boo ; 3.04; 8000;occ; 71; 0;40791  
 17; 4537.8; 18-DEC-2009 19:07:49; Bright; 37.5; 83; ; 2.38; 11000;occ; 75; 0;40791  
 18; 4743.5; 18-DEC-2009 19:11:15; Bright; 43.0; 111; 8Eta Boo ; 2.68; 6000;occ; 86; 0;40791  
 19; 5357.3; 18-DEC-2009 19:21:29; Dark ; 50.0; 15; 67Alp Vir ; 0.98; 28000;occ; 100; 0;40791  
 20; 5567.9; 18-DEC-2009 19:24:59; Dark ; 44.5; 169; 46Gam Hya ; 2.99; 4700;occ; 89; 0;40791  
 21; 5731.7; 18-DEC-2009 19:27:43; Dark ; 53.0; 106; 9Bet Crv ; 2.65; 5600;occ; 106; 0;40791  
 22; 6002.4; 18-DEC-2009 19:32:14; Dark ; 41.5; 64; Gam Cen ; 2.20; 10600;occ; 83; 0;40791  
 23; 6102.9; 18-DEC-2009 19:33:54; Dark ; 41.5; 99; Del Cen ; 2.58; 26000;occ; 83; 0;40791  
 24; 6341.4; 18-DEC-2009 19:37:53; Dark ; 55.5; 113; Mu Vel ; 2.69; 5000;occ; 111; 0;40791  
 25; 6557.4; 18-DEC-2009 19:41:29; Dark ; 41.0; 71; Iot Car ; 2.25; 7700;occ; 82; 0;40791  
 26; 6644.4; 18-DEC-2009 19:42:56; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;40791  
 27; 6840.4; 18-DEC-2009 19:46:12; Dark ; 49.5; 34; Gam2Vel ; 1.79; 23000;occ; 99; 0;40791

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1; -676.3; 19-DEC-2009 00:23:19; Dark ; 53.5; 15; 67Alp Vir ; 0.98; 28000;occ; 107; 0;40794  
 2; -465.4; 19-DEC-2009 00:26:50; Dark ; 48.5; 169; 46Gam Hya ; 2.99; 4700;occ; 97; 0;40794  
 3; -300.9; 19-DEC-2009 00:29:34; Dark ; 64.0; 106; 9Bet Crv ; 2.65; 5600;occ; 128; 0;40794  
 4; -31.6; 19-DEC-2009 00:34:03; Dark ; 45.5; 64; Gam Cen ; 2.20; 10600;occ; 91; 0;40794  
 5; 69.1; 19-DEC-2009 00:35:44; Dark ; 43.5; 99; Del Cen ; 2.58; 26000;occ; 87; 0;40795  
 6; 308.0; 19-DEC-2009 00:39:43; Dark ; 46.5; 113; Mu Vel ; 2.69; 5000;occ; 93; 0;40795  
 7; 523.3; 19-DEC-2009 00:43:18; Dark ; 47.0; 71; Iot Car ; 2.25; 7700;occ; 94; 0;40795  
 8; 610.6; 19-DEC-2009 00:44:46; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;40795  
 9; 806.2; 19-DEC-2009 00:48:01; Dark ; 46.0; 34; Gam2Vel ; 1.79; 23000;occ; 92; 0;40795  
 10; 935.6; 19-DEC-2009 00:50:11; Dark ; 51.5; 70; Zet Pup ; 2.25; 39000;occ; 103; 0;40795  
 11; 1091.1; 19-DEC-2009 00:52:46; Dark ; 49.5; 117; Pi Pup ; 2.71; 3800;occ; 99; 0;40795  
 12; 1280.7; 19-DEC-2009 00:55:56; Dark ; 50.0; 23; 21Eps CMa ; 1.50; 26000;occ; 100; 0;40795  
 13; 1385.0; 19-DEC-2009 00:57:40; Dark ; 53.5; 179; 240mi2CMa ; 3.03; 24000;occ; 107; 0;40795  
 14; 1559.4; 19-DEC-2009 01:00:34; Dark ; 60.0; 1; 9Alp CMa ; -1.44; 11000;occ; 120; 0;40795  
 15; 1752.0; 19-DEC-2009 01:03:47; Dark ; 45.0; 7; 19Bet Ori ; 0.10; 14000;occ; 90; 0;40795  
 16; 1881.3; 19-DEC-2009 01:05:56; Dark ; 47.0; 30; 46Eps Ori ; 1.69; 30000;occ; 94; 0;40795  
 17; 2061.4; 19-DEC-2009 01:08:56; Dark ; 59.5; 14; 58Alp Ori ; 0.87; 3000;occ; 119; 0;40795  
 18; 2188.2; 19-DEC-2009 01:11:03; Dark ; 52.0; 13; 87Alp Tau ; 0.87; 3800;occ; 104; 0;40795  
 19; 2308.7; 19-DEC-2009 01:13:04; Bright; 43.0; 176; 23Zet Tau ; 3.02; 22000;occ; 86; 0;40795  
 20; 2432.7; 19-DEC-2009 01:15:08; Bright; 42.5; 28; 12Bet Tau ; 1.65; 15200;occ; 85; 0;40795  
 21; 2639.5; 19-DEC-2009 01:18:34; Bright; 42.0; 107; 37The Aur ; 2.65; 11000;occ; 84; 0;40795  
 22; 2727.1; 19-DEC-2009 01:20:02; Bright; 44.5; 6; 13Alp Aur ; 0.08; 3400;occ; 89; 0;40795  
 23; 3703.2; 19-DEC-2009 01:36:18; Bright; 38.0; 60; 7Bet UMi ; 2.08; 3950;occ; 76; 0;40795  
 24; 3972.3; 19-DEC-2009 01:40:47; Bright; 55.5; 32; 77Eps UMa ; 1.76; 11000;occ; 111; 0;40795  
 25; 4134.4; 19-DEC-2009 01:43:29; Bright; 53.5; 39; 85Eta UMa ; 1.85; 24000;occ; 107; 0;40795  
 26; 4341.7; 19-DEC-2009 01:46:57; Bright; 36.5; 180; 27Gam Boo ; 3.04; 8000;occ; 73; 0;40795  
 27; 4538.5; 19-DEC-2009 01:50:13; Bright; 42.0; 83; ; 2.38; 11000;occ; 84; 0;40795  
 28; 4744.6; 19-DEC-2009 01:53:40; Bright; 42.5; 111; 8Eta Boo ; 2.68; 6000;occ; 85; 0;40795

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1; -675.3; 19-DEC-2009 02:03:56; Dark ; 49.5; 15; 67Alp Vir ; 0.98; 28000;occ; 99; 0;40795  
 2; -464.7; 19-DEC-2009 02:07:26; Dark ; 49.0; 169; 46Gam Hya ; 2.99; 4700;occ; 98; 0;40795  
 3; -299.7; 19-DEC-2009 02:10:11; Dark ; 53.5; 106; 9Bet Crv ; 2.65; 5600;occ; 107; 0;40795  
 4; -31.0; 19-DEC-2009 02:14:40; Dark ; 41.0; 64; Gam Cen ; 2.20; 10600;occ; 82; 0;40795  
 5; 69.7; 19-DEC-2009 02:16:21; Dark ; 44.0; 99; Del Cen ; 2.58; 26000;occ; 88; 0;40796  
 6; 308.9; 19-DEC-2009 02:20:20; Dark ; 46.0; 113; Mu Vel ; 2.69; 5000;occ; 92; 0;40796  
 7; 523.7; 19-DEC-2009 02:23:55; Dark ; 41.0; 71; Iot Car ; 2.25; 7700;occ; 82; 0;40796  
 8; 611.3; 19-DEC-2009 02:25:22; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;40796  
 9; 807.0; 19-DEC-2009 02:28:38; Dark ; 51.0; 34; Gam2Vel ; 1.79; 23000;occ; 102; 0;40796  
 10; 936.5; 19-DEC-2009 02:30:47; Dark ; 49.5; 70; Zet Pup ; 2.25; 39000;occ; 99; 0;40796

11; 1091.7; 19-DEC-2009 02:33:23; Dark ; 51.5; 117; Pi Pup ; 2.71; 3800;occ; 103; 0;40796  
 12; 1281.3; 19-DEC-2009 02:36:32; Dark ; 53.0; 23; 21Eps CMa ; 1.50; 26000;occ; 106; 0;40796  
 13; 1385.5; 19-DEC-2009 02:38:16; Dark ; 51.0; 179; 240mi2CMa ; 3.03; 24000;occ; 102; 0;40796  
 14; 1559.8; 19-DEC-2009 02:41:11; Dark ; 59.0; 1; 9Alp CMa ; -1.44; 11000;occ; 118; 0;40796  
 15; 1751.9; 19-DEC-2009 02:44:23; Dark ; 47.5; 7; 19Bet Ori ; 0.10; 14000;occ; 95; 0;40796  
 16; 1881.3; 19-DEC-2009 02:46:32; Dark ; 47.5; 30; 46Eps Ori ; 1.69; 30000;occ; 95; 0;40796  
 17; 2061.4; 19-DEC-2009 02:49:32; Dark ; 63.0; 14; 58Alp Ori ; 0.87; 3000;occ; 126; 0;40796  
 18; 2188.2; 19-DEC-2009 02:51:39; Dark ; 53.0; 13; 87Alp Tau ; 0.87; 3800;occ; 106; 0;40796  
 19; 2308.6; 19-DEC-2009 02:53:39; Bright; 43.0; 176; 23Zet Tau ; 3.02; 22000;occ; 86; 0;40796  
 20; 2432.4; 19-DEC-2009 02:55:43; Bright; 39.5; 28; 12Bet Tau ; 1.65; 15200;occ; 79; 0;40796  
 21; 2639.1; 19-DEC-2009 02:59:10; Bright; 44.0; 107; 37The Aur ; 2.65; 11000;occ; 88; 0;40796  
 22; 2726.8; 19-DEC-2009 03:00:38; Bright; 44.0; 6; 13Alp Aur ; 0.08; 3400;occ; 88; 0;40796

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1;-2332.5; 19-DEC-2009 03:16:54; Bright; 39.0; 60; 7Bet UMi ; 2.08; 3950;occ; 78; 0;40796  
 2;-2063.8; 19-DEC-2009 03:21:23; Bright; 63.0; 32; 77Eps UMa ; 1.76; 11000;occ; 126; 0;40796  
 3;-1901.4; 19-DEC-2009 03:24:05; Bright; 59.0; 39; 85Eta UMa ; 1.85; 24000;occ; 118; 0;40796  
 4;-1693.9; 19-DEC-2009 03:27:33; Bright; 36.0; 180; 27Gam Boo ; 3.04; 8000;occ; 72; 0;40796  
 5;-1497.1; 19-DEC-2009 03:30:50; Bright; 55.0; 83; ; 2.38; 11000;occ; 110; 0;40796  
 6;-1290.6; 19-DEC-2009 03:34:16; Bright; 39.5; 111; 8Eta Boo ; 2.68; 6000;occ; 79; 0;40796  
 7; -674.7; 19-DEC-2009 03:44:32; Dark ; 57.0; 15; 67Alp Vir ; 0.98; 28000;occ; 114; 0;40796  
 8; -463.9; 19-DEC-2009 03:48:03; Dark ; 48.0; 169; 46Gam Hya ; 2.99; 4700;occ; 96; 0;40796  
 9; -298.4; 19-DEC-2009 03:50:48; Dark ; 54.0; 106; 9Bet Crv ; 2.65; 5600;occ; 108; 0;40796  
 10; -30.1; 19-DEC-2009 03:55:17; Dark ; 44.0; 64; Gam Cen ; 2.20; 10600;occ; 88; 0;40796  
 11; 70.7; 19-DEC-2009 03:56:58; Dark ; 40.5; 99; Del Cen ; 2.58; 26000;occ; 81; 0;40797  
 12; 309.8; 19-DEC-2009 04:00:57; Dark ; 48.5; 113; Mu Vel ; 2.69; 5000;occ; 97; 0;40797  
 13; 524.4; 19-DEC-2009 04:04:31; Dark ; 41.0; 71; Iot Car ; 2.25; 7700;occ; 82; 0;40797  
 14; 612.0; 19-DEC-2009 04:05:59; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;40797  
 15; 807.7; 19-DEC-2009 04:09:15; Dark ; 47.5; 34; Gam2Vel ; 1.79; 23000;occ; 95; 0;40797  
 16; 937.4; 19-DEC-2009 04:11:24; Dark ; 48.5; 70; Zet Pup ; 2.25; 39000;occ; 97; 0;40797  
 17; 1092.5; 19-DEC-2009 04:13:59; Dark ; 51.0; 117; Pi Pup ; 2.71; 3800;occ; 102; 0;40797  
 18; 1281.8; 19-DEC-2009 04:17:09; Dark ; 52.0; 23; 21Eps CMa ; 1.50; 26000;occ; 104; 0;40797  
 19; 1386.1; 19-DEC-2009 04:18:53; Dark ; 52.0; 179; 240mi2CMa ; 3.03; 24000;occ; 104; 0;40797  
 20; 1560.0; 19-DEC-2009 04:21:47; Dark ; 56.0; 1; 9Alp CMa ; -1.44; 11000;occ; 112; 0;40797  
 21; 1752.2; 19-DEC-2009 04:24:59; Dark ; 45.5; 7; 19Bet Ori ; 0.10; 14000;occ; 91; 0;40797  
 22; 1881.8; 19-DEC-2009 04:27:09; Dark ; 46.0; 30; 46Eps Ori ; 1.69; 30000;occ; 92; 0;40797  
 23; 2061.1; 19-DEC-2009 04:30:08; Dark ; 64.0; 14; 58Alp Ori ; 0.87; 3000;occ; 128; 0;40797  
 24; 2188.5; 19-DEC-2009 04:32:15; Dark ; 48.0; 13; 87Alp Tau ; 0.87; 3800;occ; 96; 0;40797  
 25; 2308.3; 19-DEC-2009 04:34:15; Bright; 43.0; 176; 23Zet Tau ; 3.02; 22000;occ; 86; 0;40797  
 26; 2432.2; 19-DEC-2009 04:36:19; Bright; 42.0; 28; 12Bet Tau ; 1.65; 15200;occ; 84; 0;40797  
 27; 2638.7; 19-DEC-2009 04:39:46; Bright; 42.0; 107; 37The Aur ; 2.65; 11000;occ; 84; 0;40797  
 28; 2726.8; 19-DEC-2009 04:41:14; Bright; 45.0; 6; 13Alp Aur ; 0.08; 3400;occ; 90; 0;40797  
 29; 3703.6; 19-DEC-2009 04:57:30; Bright; 21.5; 60; 7Bet UMi ; 2.08; 3950;occ; 43; 0;40797

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1;-2332.4; 19-DEC-2009 04:57:30; Bright; 38.0; 60; 7Bet UMi ; 2.08; 3950;occ; 76; 0;40797  
 2;-2064.0; 19-DEC-2009 05:01:59; Bright; 63.0; 32; 77Eps UMa ; 1.76; 11000;occ; 126; 0;40797  
 3;-1901.5; 19-DEC-2009 05:04:41; Bright; 43.0; 39; 85Eta UMa ; 1.85; 24000;occ; 86; 0;40797  
 4;-1693.5; 19-DEC-2009 05:08:09; Bright; 45.0; 180; 27Gam Boo ; 3.04; 8000;occ; 90; 0;40797  
 5;-1497.1; 19-DEC-2009 05:11:26; Bright; 36.5; 83; ; 2.38; 11000;occ; 73; 0;40797  
 6;-1290.6; 19-DEC-2009 05:14:52; Bright; 43.5; 111; 8Eta Boo ; 2.68; 6000;occ; 87; 0;40797  
 7; -673.7; 19-DEC-2009 05:25:09; Dark ; 54.5; 15; 67Alp Vir ; 0.98; 28000;occ; 109; 0;40797  
 8; -463.0; 19-DEC-2009 05:28:40; Dark ; 48.5; 169; 46Gam Hya ; 2.99; 4700;occ; 97; 0;40797  
 9; -297.3; 19-DEC-2009 05:31:26; Dark ; 52.0; 106; 9Bet Crv ; 2.65; 5600;occ; 104; 0;40797  
 10; -29.6; 19-DEC-2009 05:35:53; Dark ; 43.0; 64; Gam Cen ; 2.20; 10600;occ; 86; 0;40797  
 11; 71.1; 19-DEC-2009 05:37:34; Dark ; 42.5; 99; Del Cen ; 2.58; 26000;occ; 85; 0;40798  
 12; 310.8; 19-DEC-2009 05:41:34; Dark ; 54.5; 113; Mu Vel ; 2.69; 5000;occ; 109; 0;40798  
 13; 525.1; 19-DEC-2009 05:45:08; Dark ; 40.5; 71; Iot Car ; 2.25; 7700;occ; 81; 0;40798  
 14; 612.7; 19-DEC-2009 05:46:36; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;40798  
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 16; 938.1; 19-DEC-2009 05:52:01; Dark ; 48.5; 70; Zet Pup ; 2.25; 39000;occ; 97; 0;40798  
 17; 1092.8; 19-DEC-2009 05:54:36; Dark ; 51.5; 117; Pi Pup ; 2.71; 3800;occ; 103; 0;40798  
 18; 1282.0; 19-DEC-2009 05:57:45; Dark ; 50.5; 23; 21Eps CMa ; 1.50; 26000;occ; 101; 0;40798  
 19; 1386.2; 19-DEC-2009 05:59:29; Dark ; 51.5; 179; 240mi2CMa ; 3.03; 24000;occ; 103; 0;40798  
 20; 1560.2; 19-DEC-2009 06:02:23; Dark ; 57.0; 1; 9Alp CMa ; -1.44; 11000;occ; 114; 0;40798  
 21; 1752.1; 19-DEC-2009 06:05:35; Dark ; 46.5; 7; 19Bet Ori ; 0.10; 14000;occ; 93; 0;40798  
 22; 1881.5; 19-DEC-2009 06:07:44; Dark ; 46.5; 30; 46Eps Ori ; 1.69; 30000;occ; 93; 0;40798  
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 9; 974.1; 23-DEC-2009 00:24:57; Dark ; 49.5; 70; Zet Pup ; 2.25; 39000;occ; 99; 0;40852  
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 11; 1301.1; 23-DEC-2009 00:30:24; Dark ; 50.0; 23; 21Eps CMA ; 1.50; 26000;occ; 100; 0;40852  
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 23; 6591.3; 22-DEC-2009 17:35:35; Dark ; 40.0; 71; Iot Car ; 2.25; 7700;occ; 80; 0;40847  
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 23; 6042.4; 22-DEC-2009 20:47:38; Dark ; 41.0; 64; Gam Cen ; 2.20; 10600;occ; 82; 0;40849  
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9; 2046.2; 23-DEC-2009 20:50:01; Dark ; 50.5; 14; 58Alp Ori ; 0.87; 3000;occ; 101; 0;40864
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 5; 371.8; 23-DEC-2009 22:02:42; Dark ; 47.0; 113; Mu Vel ; 2.69; 5000;occ; 94; 0;40865  
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 7; 670.7; 23-DEC-2009 22:07:41; Dark ; 56.0; 41; Eps Car ; 1.86; 4100;occ; 112; 0;40865  
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 13; 1567.7; 23-DEC-2009 22:22:38; Dark ; 54.0; 1; 9Alp CMa ; -1.44; 11000;occ; 108; 0;40865  
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 15; 1878.9; 23-DEC-2009 22:27:49; Dark ; 44.0; 30; 46Eps Ori ; 1.69; 30000;occ; 88; 0;40865  
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 23; 4127.6; 23-DEC-2009 23:05:18; Bright; 45.0; 39; 85Eta UMa ; 1.85; 24000;occ; 90; 0;40865  
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 5; 372.5; 23-DEC-2009 23:43:19; Dark ; 47.0; 113; Mu Vel ; 2.69; 5000;occ; 94; 0;40866  
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 10; 1125.8; 23-DEC-2009 23:55:52; Dark ; 51.0; 117; Pi Pup ; 2.71; 3800;occ; 102; 0;40866  
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 18; 2413.7; 24-DEC-2009 00:17:20; Bright; 41.0; 28; 12Bet Tau ; 1.65; 15200;occ; 82; 0;40866  
 19; 2605.5; 24-DEC-2009 00:20:32; Bright; 41.0; 107; 37The Aur ; 2.65; 11000;occ; 82; 0;40866  
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 22; 3952.7; 24-DEC-2009 00:42:59; Bright; 48.0; 32; 77Eps UMa ; 1.76; 11000;occ; 96; 0;40866  
 23; 4127.5; 24-DEC-2009 00:45:54; Bright; 61.0; 39; 85Eta UMa ; 1.85; 24000;occ; 122; 0;40866  
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7; 2711.6; 23-DEC-2009 07:36:19; Bright; 41.5; 6; 13Alp Aur ; 0.08; 3400;occ; 83; 0;40856  
8; 3700.8; 23-DEC-2009 07:52:48; Bright; 35.0; 60; 7Bet UMi ; 2.08; 3950;occ; 70; 0;40856  
9; 3955.6; 23-DEC-2009 07:57:03; Bright; 46.0; 32; 77Eps UMa ; 1.76; 11000;occ; 92; 0;40856  
10; 4128.8; 23-DEC-2009 07:59:56; Bright; 45.5; 39; 85Eta UMa ; 1.85; 24000;occ; 91; 0;40856  
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13; 4767.3; 23-DEC-2009 08:10:34; Bright; 66.0; 111; 8Eta Boo ; 2.68; 6000;occ; 132; 0;40856  
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 24; 6140.3; 23-DEC-2009 20:17:39; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;40863  
 25; 6406.8; 23-DEC-2009 20:22:05; Dark ; 45.0; 113; Mu Vel ; 2.69; 5000;occ; 90; 0;40863  
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 22; 3699.8; 24-DEC-2009 02:19:22; Bright; 41.5; 60; 7Bet UMi ; 2.08; 3950;occ; 83; 0;40867  
 23; 3952.3; 24-DEC-2009 02:23:35; Bright; 47.0; 32; 77Eps UMA ; 1.76; 11000;occ; 94; 0;40867  
 24; 4127.1; 24-DEC-2009 02:26:29; Bright; 53.5; 39; 85Eta UMA ; 1.85; 24000;occ; 107; 0;40867

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13; 375.4; 24-DEC-2009 04:45:10; Dark ; 56.0; 113; Mu Vel ; 2.69; 5000;occ; 112; 0;40869  
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 22; 2599.3; 25-DEC-2009 01:29:25; Bright; 60.0; 107; 37The Aur ; 2.65; 11000;occ; 120; 0;40881  
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 25; 3947.8; 25-DEC-2009 01:51:53; Bright; 46.5; 32; 77Eps UMa ; 1.76; 11000;occ; 93; 0;40881  
 26; 4125.5; 25-DEC-2009 01:54:51; Bright; 39.5; 39; 85Eta UMa ; 1.85; 24000;occ; 79; 0;40881  
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 4; 1878.9; 26-DEC-2009 14:10:35; Dark ; 43.0; 30; 46Eps Ori ; 1.69; 30000;occ; 86; 0;40903  
 5; 2040.2; 26-DEC-2009 14:13:16; Dark ; 58.0; 14; 58Alp Ori ; 0.87; 3000;occ; 116; 0;40903  
 6; 2261.5; 26-DEC-2009 14:16:57; Dark ; 55.5; 44; 24Gam Gem ; 1.93; 11000;occ; 111; 0;40903  
 7; 2406.6; 26-DEC-2009 14:19:22; Bright; 39.5; 28; 12Bet Tau ; 1.65; 15200;occ; 79; 0;40903  
 8; 2591.2; 26-DEC-2009 14:22:27; Bright; 41.0; 107; 37The Aur ; 2.65; 11000;occ; 82; 0;40903  
 9; 2702.3; 26-DEC-2009 14:24:18; Bright; 41.0; 6; 13Alp Aur ; 0.08; 3400;occ; 82; 0;40903  
 10; 3645.6; 26-DEC-2009 14:40:01; Bright; 47.5; 36; 50Alp UMa ; 1.80; 6300;occ; 95; 0;40903  
 11; 3941.0; 26-DEC-2009 14:44:57; Bright; 66.0; 32; 77Eps UMa ; 1.76; 11000;occ; 132; 0;40903  
 12; 4122.5; 26-DEC-2009 14:47:58; Bright; 44.5; 39; 85Eta UMa ; 1.85; 24000;occ; 89; 0;40903  
 13; 4349.5; 26-DEC-2009 14:51:45; Bright; 40.0; 180; 27Gam Boo ; 3.04; 8000;occ; 80; 0;40903  
 14; 4558.8; 26-DEC-2009 14:55:15; Bright; 38.5; 83; ; 2.38; 11000;occ; 77; 0;40903  
 15; 4787.1; 26-DEC-2009 14:59:03; Bright; 49.0; 111; 8Eta Boo ; 2.68; 6000;occ; 98; 0;40903  
 16; 5312.2; 26-DEC-2009 15:07:48; Dark ; 43.0; 122; 9Alp2Lib ; 2.75; 9700;occ; 86; 0;40903  
 17; 5463.6; 26-DEC-2009 15:10:19; Dark ; 59.0; 15; 67Alp Vir ; 0.98; 28000;occ; 118; 0;40903  
 18; 5715.4; 26-DEC-2009 15:14:31; Dark ; 50.0; 54; 5The Cen ; 2.06; 4500;occ; 100; 0;40903  
 19; 5841.4; 26-DEC-2009 15:16:37; Dark ; 45.0; 123; Iot Cen ; 2.75; 10200;occ; 90; 0;40903  
 20; 6082.0; 26-DEC-2009 15:20:38; Dark ; 42.0; 64; Gam Cen ; 2.20; 10600;occ; 84; 0;40903  
 21; 6175.6; 26-DEC-2009 15:22:11; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;40903  
 22; 6443.2; 26-DEC-2009 15:26:39; Dark ; 46.5; 113; Mu Vel ; 2.69; 5000;occ; 93; 0;40903  
 23; 6623.6; 26-DEC-2009 15:29:39; Dark ; 41.5; 71; Iot Car ; 2.25; 7700;occ; 83; 0;40903  
 24; 6725.9; 26-DEC-2009 15:31:22; Dark ; 51.0; 41; Eps Car ; 1.86; 4100;occ; 102; 0;40903  
 25; 6910.3; 26-DEC-2009 15:34:26; Dark ; 46.0; 34; Gam2Vel ; 1.79; 23000;occ; 92; 0;40903  
 26; 7042.0; 26-DEC-2009 15:36:38; Dark ; 48.5; 70; Zet Pup ; 2.25; 39000;occ; 97; 0;40903  
 27; 7178.2; 26-DEC-2009 15:38:54; Dark ; 51.0; 117; Pi Pup ; 2.71; 3800;occ; 102; 0;40903  
 28; 7354.5; 26-DEC-2009 15:41:50; Dark ; 49.0; 23; 21Eps CMA ; 1.50; 26000;occ; 98; 0;40903  
 29; 7451.1; 26-DEC-2009 15:43:27; Dark ; 1.0; 179; 240mi2CMA ; 3.03; 24000;occ; 2; 0;40903

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1; 1415.2; 26-DEC-2009 15:43:27; Dark ; 46.5; 179; 240mi2CMA ; 3.03; 24000;occ; 93; 0;40904  
 2; 1572.3; 26-DEC-2009 15:46:04; Dark ; 56.5; 1; 9Alp CMA ; -1.44; 11000;occ; 113; 0;40904  
 3; 1724.7; 26-DEC-2009 15:48:37; Dark ; 44.5; 56; 53Kap Ori ; 2.07; 30000;occ; 89; 0;40904  
 4; 1878.8; 26-DEC-2009 15:51:11; Dark ; 44.0; 30; 46Eps Ori ; 1.69; 30000;occ; 88; 0;40904  
 5; 2040.1; 26-DEC-2009 15:53:52; Dark ; 57.0; 14; 58Alp Ori ; 0.87; 3000;occ; 114; 0;40904  
 6; 2260.8; 26-DEC-2009 15:57:33; Dark ; 53.5; 44; 24Gam Gem ; 1.93; 11000;occ; 107; 0;40904  
 7; 2406.7; 26-DEC-2009 15:59:58; Bright; 39.5; 28; 12Bet Tau ; 1.65; 15200;occ; 79; 0;40904  
 8; 2590.9; 26-DEC-2009 16:03:03; Bright; 40.5; 107; 37The Aur ; 2.65; 11000;occ; 81; 0;40904  
 9; 2702.3; 26-DEC-2009 16:04:54; Bright; 43.5; 6; 13Alp Aur ; 0.08; 3400;occ; 87; 0;40904  
 10; 3645.0; 26-DEC-2009 16:20:37; Bright; 48.0; 36; 50Alp UMa ; 1.80; 6300;occ; 96; 0;40904  
 11; 3940.3; 26-DEC-2009 16:25:32; Bright; 50.5; 32; 77Eps UMa ; 1.76; 11000;occ; 101; 0;40904  
 12; 4122.5; 26-DEC-2009 16:28:34; Bright; 61.5; 39; 85Eta UMa ; 1.85; 24000;occ; 123; 0;40904  
 13; 4349.6; 26-DEC-2009 16:32:21; Bright; 59.0; 180; 27Gam Boo ; 3.04; 8000;occ; 118; 0;40904  
 14; 4559.2; 26-DEC-2009 16:35:51; Bright; 39.0; 83; ; 2.38; 11000;occ; 78; 0;40904  
 15; 4787.7; 26-DEC-2009 16:39:39; Bright; 49.5; 111; 8Eta Boo ; 2.68; 6000;occ; 99; 0;40904  
 16; 5312.5; 26-DEC-2009 16:48:24; Dark ; 45.0; 122; 9Alp2Lib ; 2.75; 9700;occ; 90; 0;40904  
 17; 5464.8; 26-DEC-2009 16:50:57; Dark ; 60.0; 15; 67Alp Vir ; 0.98; 28000;occ; 120; 0;40904  
 18; 5715.9; 26-DEC-2009 16:55:08; Dark ; 44.0; 54; 5The Cen ; 2.06; 4500;occ; 88; 0;40904  
 19; 5842.3; 26-DEC-2009 16:57:14; Dark ; 45.0; 123; Iot Cen ; 2.75; 10200;occ; 90; 0;40904  
 20; 6082.7; 26-DEC-2009 17:01:14; Dark ; 43.0; 64; Gam Cen ; 2.20; 10600;occ; 86; 0;40904  
 21; 6176.6; 26-DEC-2009 17:02:48; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;40904  
 22; 6444.1; 26-DEC-2009 17:07:16; Dark ; 47.0; 113; Mu Vel ; 2.69; 5000;occ; 94; 0;40904  
 23; 6624.2; 26-DEC-2009 17:10:16; Dark ; 42.0; 71; Iot Car ; 2.25; 7700;occ; 84; 0;40904  
 24; 6726.4; 26-DEC-2009 17:11:58; Dark ; 43.5; 41; Eps Car ; 1.86; 4100;occ; 87; 0;40904  
 25; 6911.1; 26-DEC-2009 17:15:03; Dark ; 48.5; 34; Gam2Vel ; 1.79; 23000;occ; 97; 0;40904  
 26; 7042.6; 26-DEC-2009 17:17:14; Dark ; 48.0; 70; Zet Pup ; 2.25; 39000;occ; 96; 0;40904  
 27; 7178.7; 26-DEC-2009 17:19:30; Dark ; 48.5; 117; Pi Pup ; 2.71; 3800;occ; 97; 0;40904

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|     |         |             |           |        |   |       |      |           |   |        |        |      |      |    |       |
|-----|---------|-------------|-----------|--------|---|-------|------|-----------|---|--------|--------|------|------|----|-------|
| 1;  | 1142.6; | 26-DEC-2009 | 17:19:30; | Dark   | ; | 49.0; | 117; | Pi Pup    | ; | 2.71;  | 3800;  | occ; | 98;  | 0; | 40905 |
| 2;  | 1318.8; | 26-DEC-2009 | 17:22:27; | Dark   | ; | 48.0; | 23;  | 21Eps CMa | ; | 1.50;  | 26000; | occ; | 96;  | 0; | 40905 |
| 3;  | 1415.5; | 26-DEC-2009 | 17:24:03; | Dark   | ; | 47.5; | 179; | 240mi2CMa | ; | 3.03;  | 24000; | occ; | 95;  | 0; | 40905 |
| 4;  | 1572.6; | 26-DEC-2009 | 17:26:40; | Dark   | ; | 53.5; | 1;   | 9Alp CMa  | ; | -1.44; | 11000; | occ; | 107; | 0; | 40905 |
| 5;  | 1724.8; | 26-DEC-2009 | 17:29:13; | Dark   | ; | 43.5; | 56;  | 53Kap Ori | ; | 2.07;  | 30000; | occ; | 87;  | 0; | 40905 |
| 6;  | 1878.8; | 26-DEC-2009 | 17:31:47; | Dark   | ; | 45.0; | 30;  | 46Eps Ori | ; | 1.69;  | 30000; | occ; | 90;  | 0; | 40905 |
| 7;  | 2040.0; | 26-DEC-2009 | 17:34:28; | Dark   | ; | 49.5; | 14;  | 58Alp Ori | ; | 0.87;  | 3000;  | occ; | 99;  | 0; | 40905 |
| 8;  | 2260.4; | 26-DEC-2009 | 17:38:08; | Dark   | ; | 52.5; | 44;  | 24Gam Gem | ; | 1.93;  | 11000; | occ; | 105; | 0; | 40905 |
| 9;  | 2406.5; | 26-DEC-2009 | 17:40:34; | Bright | ; | 40.0; | 28;  | 12Bet Tau | ; | 1.65;  | 15200; | occ; | 80;  | 0; | 40905 |
| 10; | 2590.4; | 26-DEC-2009 | 17:43:38; | Bright | ; | 41.0; | 107; | 37The Aur | ; | 2.65;  | 11000; | occ; | 82;  | 0; | 40905 |
| 11; | 2701.9; | 26-DEC-2009 | 17:45:30; | Bright | ; | 41.5; | 6;   | 13Alp Aur | ; | 0.08;  | 3400;  | occ; | 83;  | 0; | 40905 |
| 12; | 3644.3; | 26-DEC-2009 | 18:01:12; | Bright | ; | 48.0; | 36;  | 50Alp UMa | ; | 1.80;  | 6300;  | occ; | 96;  | 0; | 40905 |
| 13; | 3940.1; | 26-DEC-2009 | 18:06:08; | Bright | ; | 43.0; | 32;  | 77Eps UMa | ; | 1.76;  | 11000; | occ; | 86;  | 0; | 40905 |
| 14; | 4122.1; | 26-DEC-2009 | 18:09:10; | Bright | ; | 46.0; | 39;  | 85Eta UMa | ; | 1.85;  | 24000; | occ; | 92;  | 0; | 40905 |
| 15; | 4349.5; | 26-DEC-2009 | 18:12:57; | Bright | ; | 59.0; | 180; | 27Gam Boo | ; | 3.04;  | 8000;  | occ; | 118; | 0; | 40905 |
| 16; | 4559.1; | 26-DEC-2009 | 18:16:27; | Bright | ; | 40.0; | 83;  |           | ; | 2.38;  | 11000; | occ; | 80;  | 0; | 40905 |
| 17; | 4788.1; | 26-DEC-2009 | 18:20:16; | Bright | ; | 70.0; | 111; | 8Eta Boo  | ; | 2.68;  | 6000;  | occ; | 140; | 0; | 40905 |
| 18; | 5313.2; | 26-DEC-2009 | 18:29:01; | Dark   | ; | 43.0; | 122; | 9Alp2Lib  | ; | 2.75;  | 9700;  | occ; | 86;  | 0; | 40905 |
| 19; | 5465.9; | 26-DEC-2009 | 18:31:34; | Dark   | ; | 58.5; | 15;  | 67Alp Vir | ; | 0.98;  | 28000; | occ; | 117; | 0; | 40905 |
| 20; | 5716.7; | 26-DEC-2009 | 18:35:45; | Dark   | ; | 45.0; | 54;  | 5The Cen  | ; | 2.06;  | 4500;  | occ; | 90;  | 0; | 40905 |
| 21; | 5843.1; | 26-DEC-2009 | 18:37:51; | Dark   | ; | 42.5; | 123; | Iot Cen   | ; | 2.75;  | 10200; | occ; | 85;  | 0; | 40905 |
| 22; | 6083.4; | 26-DEC-2009 | 18:41:51; | Dark   | ; | 46.5; | 64;  | Gam Cen   | ; | 2.20;  | 10600; | occ; | 93;  | 0; | 40905 |
| 23; | 6177.5; | 26-DEC-2009 | 18:43:25; | Dark   | ; | 59.5; | 0;   |           | ; | 0.00;  | 0;     | occ; | 119; | 0; | 40905 |
| 24; | 6444.9; | 26-DEC-2009 | 18:47:53; | Dark   | ; | 47.5; | 113; | Mu Vel    | ; | 2.69;  | 5000;  | occ; | 95;  | 0; | 40905 |
| 25; | 6624.8; | 26-DEC-2009 | 18:50:53; | Dark   | ; | 47.0; | 71;  | Iot Car   | ; | 2.25;  | 7700;  | occ; | 94;  | 0; | 40905 |
| 26; | 6726.9; | 26-DEC-2009 | 18:52:35; | Dark   | ; | 52.5; | 41;  | Eps Car   | ; | 1.86;  | 4100;  | occ; | 105; | 0; | 40905 |
| 27; | 6911.5; | 26-DEC-2009 | 18:55:39; | Dark   | ; | 47.0; | 34;  | Gam2Vel   | ; | 1.79;  | 23000; | occ; | 94;  | 0; | 40905 |
| 28; | 7043.3; | 26-DEC-2009 | 18:57:51; | Dark   | ; | 47.5; | 70;  | Zet Pup   | ; | 2.25;  | 39000; | occ; | 95;  | 0; | 40905 |

/nas3/ENVISAT/GOMOS/GOM\_NL\_\_0P/GOM\_NL\_\_0PNPDK20091226\_185751\_000059252085\_00271\_40906\_2073.N1

|     |         |             |           |        |   |       |      |           |   |        |        |      |      |    |       |
|-----|---------|-------------|-----------|--------|---|-------|------|-----------|---|--------|--------|------|------|----|-------|
| 1;  | 1007.3; | 26-DEC-2009 | 18:57:51; | Dark   | ; | 48.0; | 70;  | Zet Pup   | ; | 2.25;  | 39000; | occ; | 96;  | 0; | 40906 |
| 2;  | 1143.0; | 26-DEC-2009 | 19:00:07; | Dark   | ; | 47.0; | 117; | Pi Pup    | ; | 2.71;  | 3800;  | occ; | 94;  | 0; | 40906 |
| 3;  | 1319.0; | 26-DEC-2009 | 19:03:03; | Dark   | ; | 48.0; | 23;  | 21Eps CMa | ; | 1.50;  | 26000; | occ; | 96;  | 0; | 40906 |
| 4;  | 1415.9; | 26-DEC-2009 | 19:04:40; | Dark   | ; | 46.5; | 179; | 240mi2CMa | ; | 3.03;  | 24000; | occ; | 93;  | 0; | 40906 |
| 5;  | 1572.6; | 26-DEC-2009 | 19:07:16; | Dark   | ; | 52.5; | 1;   | 9Alp CMa  | ; | -1.44; | 11000; | occ; | 105; | 0; | 40906 |
| 6;  | 1724.9; | 26-DEC-2009 | 19:09:49; | Dark   | ; | 45.0; | 56;  | 53Kap Ori | ; | 2.07;  | 30000; | occ; | 90;  | 0; | 40906 |
| 7;  | 1878.8; | 26-DEC-2009 | 19:12:23; | Dark   | ; | 44.5; | 30;  | 46Eps Ori | ; | 1.69;  | 30000; | occ; | 89;  | 0; | 40906 |
| 8;  | 2039.8; | 26-DEC-2009 | 19:15:04; | Dark   | ; | 51.5; | 14;  | 58Alp Ori | ; | 0.87;  | 3000;  | occ; | 103; | 0; | 40906 |
| 9;  | 2259.7; | 26-DEC-2009 | 19:18:44; | Dark   | ; | 63.0; | 44;  | 24Gam Gem | ; | 1.93;  | 11000; | occ; | 126; | 0; | 40906 |
| 10; | 2406.2; | 26-DEC-2009 | 19:21:10; | Bright | ; | 38.5; | 28;  | 12Bet Tau | ; | 1.65;  | 15200; | occ; | 77;  | 0; | 40906 |
| 11; | 2590.0; | 26-DEC-2009 | 19:24:14; | Bright | ; | 40.0; | 107; | 37The Aur | ; | 2.65;  | 11000; | occ; | 80;  | 0; | 40906 |
| 12; | 2701.7; | 26-DEC-2009 | 19:26:06; | Bright | ; | 43.5; | 6;   | 13Alp Aur | ; | 0.08;  | 3400;  | occ; | 87;  | 0; | 40906 |
| 13; | 3643.7; | 26-DEC-2009 | 19:41:48; | Bright | ; | 46.0; | 36;  | 50Alp UMa | ; | 1.80;  | 6300;  | occ; | 92;  | 0; | 40906 |
| 14; | 3939.5; | 26-DEC-2009 | 19:46:43; | Bright | ; | 47.0; | 32;  | 77Eps UMa | ; | 1.76;  | 11000; | occ; | 94;  | 0; | 40906 |
| 15; | 4121.9; | 26-DEC-2009 | 19:49:46; | Bright | ; | 41.5; | 39;  | 85Eta UMa | ; | 1.85;  | 24000; | occ; | 83;  | 0; | 40906 |
| 16; | 4349.6; | 26-DEC-2009 | 19:53:33; | Bright | ; | 41.5; | 180; | 27Gam Boo | ; | 3.04;  | 8000;  | occ; | 83;  | 0; | 40906 |
| 17; | 4559.5; | 26-DEC-2009 | 19:57:03; | Bright | ; | 39.0; | 83;  |           | ; | 2.38;  | 11000; | occ; | 78;  | 0; | 40906 |
| 18; | 4788.4; | 26-DEC-2009 | 20:00:52; | Bright | ; | 70.0; | 111; | 8Eta Boo  | ; | 2.68;  | 6000;  | occ; | 140; | 0; | 40906 |
| 19; | 5313.6; | 26-DEC-2009 | 20:09:37; | Dark   | ; | 46.5; | 122; | 9Alp2Lib  | ; | 2.75;  | 9700;  | occ; | 93;  | 0; | 40906 |
| 20; | 5467.1; | 26-DEC-2009 | 20:12:11; | Dark   | ; | 59.0; | 15;  | 67Alp Vir | ; | 0.98;  | 28000; | occ; | 118; | 0; | 40906 |
| 21; | 5717.3; | 26-DEC-2009 | 20:16:21; | Dark   | ; | 44.5; | 54;  | 5The Cen  | ; | 2.06;  | 4500;  | occ; | 89;  | 0; | 40906 |
| 22; | 5843.9; | 26-DEC-2009 | 20:18:28; | Dark   | ; | 46.0; | 123; | Iot Cen   | ; | 2.75;  | 10200; | occ; | 92;  | 0; | 40906 |
| 23; | 6084.1; | 26-DEC-2009 | 20:22:28; | Dark   | ; | 44.5; | 64;  | Gam Cen   | ; | 2.20;  | 10600; | occ; | 89;  | 0; | 40906 |
| 24; | 6178.3; | 26-DEC-2009 | 20:24:02; | Dark   | ; | 59.5; | 0;   |           | ; | 0.00;  | 0;     | occ; | 119; | 0; | 40906 |
| 25; | 6445.7; | 26-DEC-2009 | 20:28:30; | Dark   | ; | 46.0; | 113; | Mu Vel    | ; | 2.69;  | 5000;  | occ; | 92;  | 0; | 40906 |
| 26; | 6625.1; | 26-DEC-2009 | 20:31:29; | Dark   | ; | 42.0; | 71;  | Iot Car   | ; | 2.25;  | 7700;  | occ; | 84;  | 0; | 40906 |
| 27; | 6727.3; | 26-DEC-2009 | 20:33:11; | Dark   | ; | 53.0; | 41;  | Eps Car   | ; | 1.86;  | 4100;  | occ; | 106; | 0; | 40906 |
| 28; | 6912.0; | 26-DEC-2009 | 20:36:16; | Dark   | ; | 21.0; | 34;  | Gam2Vel   | ; | 1.79;  | 23000; | occ; | 42;  | 0; | 40906 |

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|    |          |             |           |        |   |       |      |           |   |       |        |      |      |    |       |
|----|----------|-------------|-----------|--------|---|-------|------|-----------|---|-------|--------|------|------|----|-------|
| 1; | -2097.7; | 27-DEC-2009 | 02:29:06; | Bright | ; | 49.0; | 32;  | 77Eps UMa | ; | 1.76; | 11000; | occ; | 98;  | 0; | 40910 |
| 2; | -1914.6; | 27-DEC-2009 | 02:32:09; | Bright | ; | 63.0; | 39;  | 85Eta UMa | ; | 1.85; | 24000; | occ; | 126; | 0; | 40910 |
| 3; | -1686.3; | 27-DEC-2009 | 02:35:57; | Bright | ; | 59.0; | 180; | 27Gam Boo | ; | 3.04; | 8000;  | occ; | 118; | 0; | 40910 |
| 4; | -1475.9; | 27-DEC-2009 | 02:39:27; | Bright | ; | 58.0; | 83;  |           | ; | 2.38; | 11000; | occ; | 116; | 0; | 40910 |
| 5; | -1246.0; | 27-DEC-2009 | 02:43:17; | Bright | ; | 48.0; | 111; | 8Eta Boo  | ; | 2.68; | 6000;  | occ; | 96;  | 0; | 40910 |
| 6; | -720.5;  | 27-DEC-2009 | 02:52:03; | Dark   | ; | 43.0; | 122; | 9Alp2Lib  | ; | 2.75; | 9700;  | occ; | 86;  | 0; | 40910 |
| 7; | -564.4;  | 27-DEC-2009 | 02:54:39; | Dark   | ; | 58.0; | 15;  | 67Alp Vir | ; | 0.98; | 28000; | occ; | 116; | 0; | 40910 |
| 8; | -316.2;  | 27-DEC-2009 | 02:58:47; | Dark   | ; | 51.5; | 54;  | 5The Cen  | ; | 2.06; | 4500;  | occ; | 103; | 0; | 40910 |
| 9; | -188.4;  | 27-DEC-2009 | 03:00:55; | Dark   | ; | 43.5; | 123; | Iot Cen   | ; | 2.75; | 10200; | occ; | 87;  | 0; | 40910 |



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10; 51.2; 27-DEC-2009 03:04:55; Dark ; 44.0; 64; Gam Cen ; 2.20; 10600;occ; 88; 0;40911
11; 146.0; 27-DEC-2009 03:06:29; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;40911
12; 413.4; 27-DEC-2009 03:10:57; Dark ; 45.0; 113; Mu Vel ; 2.69; 5000;occ; 90; 0;40911
13; 591.7; 27-DEC-2009 03:13:55; Dark ; 40.5; 71; Iot Car ; 2.25; 7700;occ; 81; 0;40911
14; 693.2; 27-DEC-2009 03:15:37; Dark ; 43.5; 41; Eps Car ; 1.86; 4100;occ; 87; 0;40911
15; 878.5; 27-DEC-2009 03:18:42; Dark ; 43.0; 34; Gam2Vel ; 1.79; 23000;occ; 86; 0;40911
16; 1010.2; 27-DEC-2009 03:20:53; Dark ; 45.5; 70; Zet Pup ; 2.25; 39000;occ; 91; 0;40911
17; 1145.2; 27-DEC-2009 03:23:08; Dark ; 48.0; 117; Pi Pup ; 2.71; 3800;occ; 96; 0;40911
18; 1320.3; 27-DEC-2009 03:26:04; Dark ; 48.5; 23; 21Eps CMA ; 1.50; 26000;occ; 97; 0;40911
19; 1417.1; 27-DEC-2009 03:27:40; Dark ; 47.0; 179; 240mi2CMA ; 3.03; 24000;occ; 94; 0;40911
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