

GOMOS Daily Report 25-FEB-2010

Level 0 and Level 1 products

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

| Item | Value |
|---------------------------|--------------------|
| Time of report generation | 28FEB2010 04:50:27 |
| Data source version | GOMOS/5.00L04 |
| Start time of products | 25FEB2010 00:03:48 |
| Stop time of products | 25FEB2010 23:54:43 |
| Store outputs in DB | Yes |
| Nb of level 1b prods | 97 |
| Nb of prods with errors | 0 |

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

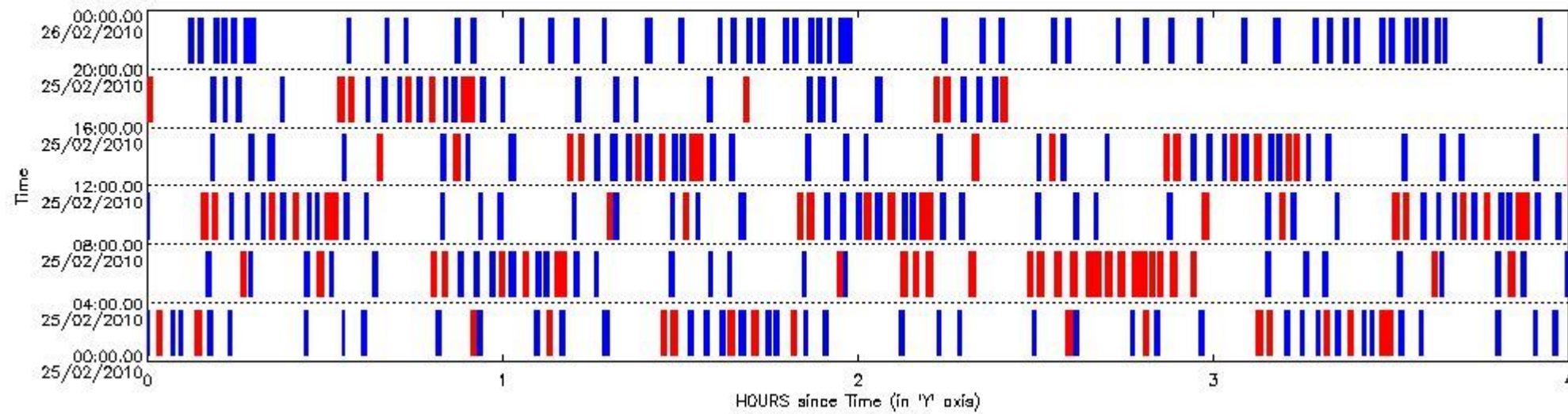
2.1 Level 0 products arrived in PCF (see template [here](#))

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

Red segments are missing products.

Blue segments are available products.

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



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

| UTC start time | Star name | Star ID | Orbit |
|----------------------|-----------|---------|-------|
| 25-FEB-2010 00:01:26 | BetTrA | 134 | 41768 |
| 25-FEB-2010 00:08:00 | Alp1Cru | 12 | 41768 |
| 25-FEB-2010 00:54:32 | 1AlpUMi | 49 | 41768 |
| 25-FEB-2010 01:07:27 | 18DelCyg | 144 | 41768 |
| 25-FEB-2010 01:26:39 | 41PiSgr | 155 | 41768 |
| 25-FEB-2010 01:28:25 | 34SigSgr | 57 | 41768 |
| 25-FEB-2010 01:38:03 | BetAra | 141 | 41769 |
| 25-FEB-2010 01:42:02 | BetTrA | 134 | 41769 |
| 25-FEB-2010 01:48:36 | Alp1Cru | 12 | 41769 |
| 25-FEB-2010 02:35:07 | 1AlpUMi | 49 | 41769 |
| 25-FEB-2010 02:48:03 | 18DelCyg | 144 | 41769 |
| 25-FEB-2010 03:07:15 | 41PiSgr | 155 | 41769 |
| 25-FEB-2010 03:09:01 | 34SigSgr | 57 | 41769 |
| 25-FEB-2010 03:18:39 | BetAra | 141 | 41770 |
| 25-FEB-2010 03:22:38 | BetTrA | 134 | 41770 |

| | | | |
|----------------------|----------|-----|-------|
| 25-FEB-2010 03:28:00 | AlpMus | 112 | 41770 |
| 25-FEB-2010 03:29:13 | Alp1Cru | 12 | 41770 |
| 25-FEB-2010 04:15:43 | 1AlpUMi | 49 | 41770 |
| 25-FEB-2010 04:28:39 | 18DelCyg | 144 | 41770 |
| 25-FEB-2010 04:47:52 | 41PiSgr | 155 | 41770 |
| 25-FEB-2010 04:49:38 | 34SigSgr | 57 | 41770 |
| 25-FEB-2010 04:59:16 | BetAra | 141 | 41771 |
| 25-FEB-2010 05:03:15 | BetTrA | 134 | 41771 |
| 25-FEB-2010 05:08:37 | AlpMus | 112 | 41771 |
| 25-FEB-2010 05:09:49 | Alp1Cru | 12 | 41771 |
| 25-FEB-2010 05:56:19 | 1AlpUMi | 49 | 41771 |
| 25-FEB-2010 06:07:11 | 33GamDra | 69 | 41771 |
| 25-FEB-2010 06:09:15 | 18DelCyg | 144 | 41771 |
| 25-FEB-2010 06:11:26 | 3AlpLyr | 5 | 41771 |
| 25-FEB-2010 06:18:47 | 17ZetAql | 168 | 41771 |
| 25-FEB-2010 06:28:28 | 41PiSgr | 155 | 41771 |
| 25-FEB-2010 06:30:14 | 34SigSgr | 57 | 41771 |
| 25-FEB-2010 06:33:14 | 20EpsSgr | 38 | 41771 |
| 25-FEB-2010 06:35:52 | 35LamSco | 25 | 41771 |
| 25-FEB-2010 06:38:33 | AlpAra | 147 | 41771 |
| 25-FEB-2010 06:39:52 | BetAra | 141 | 41772 |
| 25-FEB-2010 06:41:48 | DSA1025 | 0 | 41772 |
| 25-FEB-2010 06:43:51 | BetTrA | 134 | 41772 |
| 25-FEB-2010 06:46:22 | Alp1Cen | 4 | 41772 |
| 25-FEB-2010 06:47:41 | BetCen | 10 | 41772 |
| 25-FEB-2010 06:49:13 | AlpMus | 112 | 41772 |
| 25-FEB-2010 06:50:25 | Alp1Cru | 12 | 41772 |
| 25-FEB-2010 06:52:40 | GamCen | 64 | 41772 |
| 25-FEB-2010 06:56:02 | MuVel | 113 | 41772 |
| 25-FEB-2010 07:36:55 | 1AlpUMi | 49 | 41772 |
| 25-FEB-2010 07:49:51 | 18DelCyg | 144 | 41772 |
| 25-FEB-2010 08:09:04 | 41PiSgr | 155 | 41772 |
| 25-FEB-2010 08:10:50 | 34SigSgr | 57 | 41772 |
| 25-FEB-2010 08:20:28 | BetAra | 141 | 41773 |
| 25-FEB-2010 08:24:28 | BetTrA | 134 | 41773 |
| 25-FEB-2010 08:29:49 | AlpMus | 112 | 41773 |
| 25-FEB-2010 08:31:02 | Alp1Cru | 12 | 41773 |
| 25-FEB-2010 09:17:31 | 1AlpUMi | 49 | 41773 |
| 25-FEB-2010 09:30:27 | 18DelCyg | 144 | 41773 |
| 25-FEB-2010 09:49:41 | 41PiSgr | 155 | 41773 |
| 25-FEB-2010 09:51:27 | 34SigSgr | 57 | 41773 |
| 25-FEB-2010 10:01:05 | BetAra | 141 | 41774 |
| 25-FEB-2010 10:05:04 | BetTrA | 134 | 41774 |
| 25-FEB-2010 10:10:25 | AlpMus | 112 | 41774 |
| 25-FEB-2010 10:11:38 | Alp1Cru | 12 | 41774 |
| 25-FEB-2010 10:58:07 | 1AlpUMi | 49 | 41774 |
| 25-FEB-2010 11:11:03 | 18DelCyg | 144 | 41774 |
| 25-FEB-2010 11:30:17 | 41PiSgr | 155 | 41774 |
| 25-FEB-2010 11:32:03 | 34SigSgr | 57 | 41774 |
| 25-FEB-2010 11:41:41 | BetAra | 141 | 41775 |
| 25-FEB-2010 11:45:41 | BetTrA | 134 | 41775 |
| 25-FEB-2010 11:51:02 | AlpMus | 112 | 41775 |
| 25-FEB-2010 11:52:15 | Alp1Cru | 12 | 41775 |
| 25-FEB-2010 12:38:43 | 1AlpUMi | 49 | 41775 |
| 25-FEB-2010 12:51:39 | 18DelCyg | 144 | 41775 |
| 25-FEB-2010 13:10:53 | 41PiSgr | 155 | 41775 |
| 25-FEB-2010 13:12:39 | 34SigSgr | 57 | 41775 |
| 25-FEB-2010 13:22:18 | BetAra | 141 | 41776 |
| 25-FEB-2010 13:26:17 | BetTrA | 134 | 41776 |

| | | | |
|----------------------|----------|-----|-------|
| 25-FEB-2010 13:31:38 | AlpMus | 112 | 41776 |
| 25-FEB-2010 13:32:51 | Alp1Cru | 12 | 41776 |
| 25-FEB-2010 14:19:19 | 1AlpUMi | 49 | 41776 |
| 25-FEB-2010 14:32:15 | 18DelCyg | 144 | 41776 |
| 25-FEB-2010 14:51:30 | 41PiSgr | 155 | 41776 |
| 25-FEB-2010 14:53:16 | 34SigSgr | 57 | 41776 |
| 25-FEB-2010 15:02:54 | BetAra | 141 | 41777 |
| 25-FEB-2010 15:06:53 | BetTrA | 134 | 41777 |
| 25-FEB-2010 15:12:14 | AlpMus | 112 | 41777 |
| 25-FEB-2010 15:13:27 | Alp1Cru | 12 | 41777 |
| 25-FEB-2010 15:59:55 | 1AlpUMi | 49 | 41777 |
| 25-FEB-2010 16:32:06 | 41PiSgr | 155 | 41777 |
| 25-FEB-2010 16:33:52 | 34SigSgr | 57 | 41777 |
| 25-FEB-2010 16:43:31 | BetAra | 141 | 41778 |
| 25-FEB-2010 16:47:30 | BetTrA | 134 | 41778 |
| 25-FEB-2010 16:52:51 | AlpMus | 112 | 41778 |
| 25-FEB-2010 16:54:04 | Alp1Cru | 12 | 41778 |
| 25-FEB-2010 17:40:31 | 1AlpUMi | 49 | 41778 |
| 25-FEB-2010 18:12:42 | 41PiSgr | 155 | 41778 |
| 25-FEB-2010 18:14:29 | 34SigSgr | 57 | 41778 |
| 25-FEB-2010 18:24:07 | BetAra | 141 | 41779 |

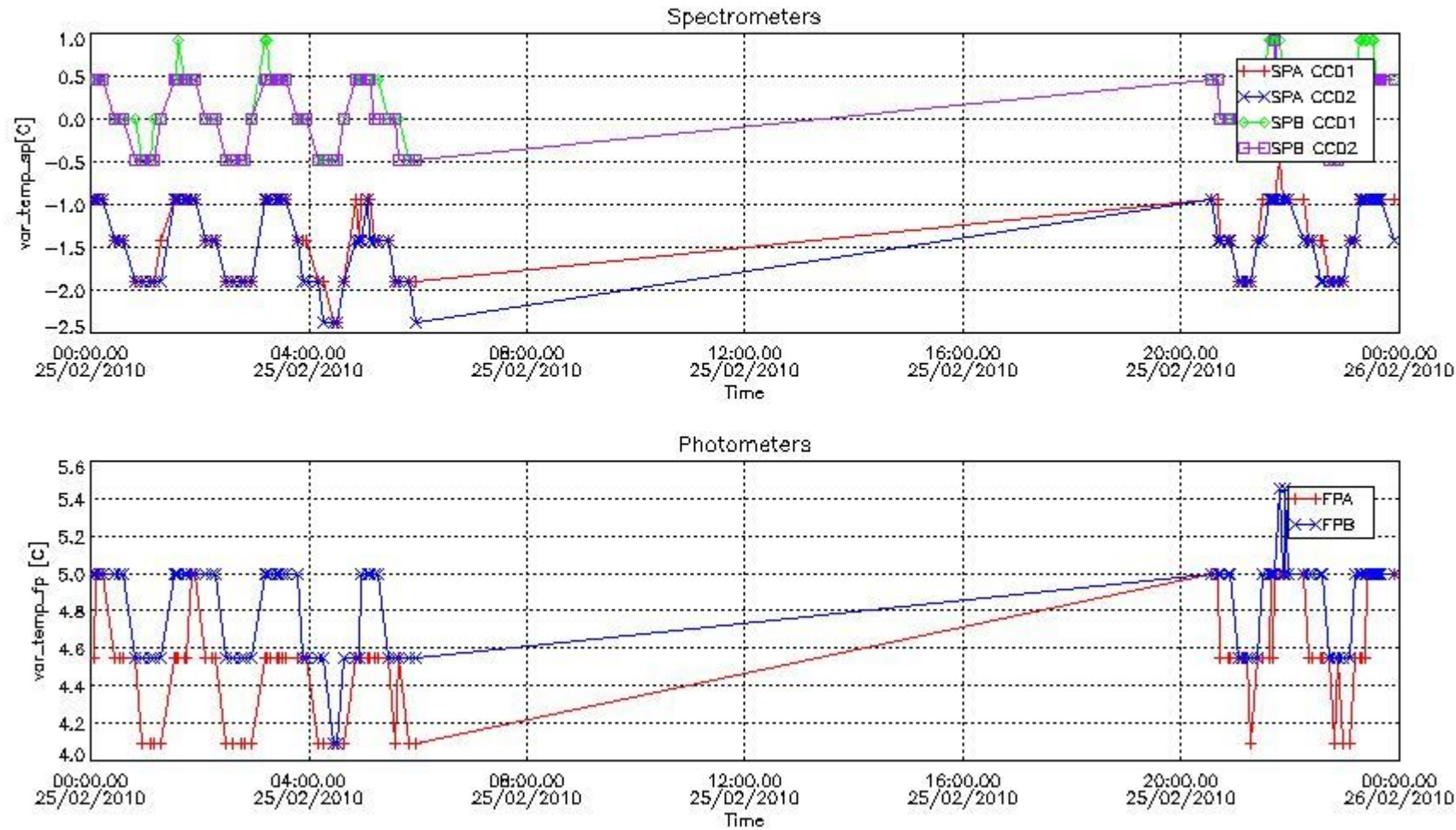
2.4 Summary of processed GOM_TRA_1P products

| Nr | Filename | UTC Start time | Limb | Duration | Star Id | Star Name | Star Mag | Star Temp | Nb Meas | Orbit | Prod. error |
|----|--|----------------------|----------------|----------|---------|-----------|-----------|-----------|---------|-------|-------------|
| 1 | GOM_TRA_1PNPDE20100225_000348_000000472087_00131_41768_1481.N1 | 25-FEB-2010 00:03:48 | Dark | 46.500 | 4 | Alp1Cen | -0.010000 | 5800.0 | 93 | 41768 | No |
| 2 | GOM_TRA_1PNPDE20100225_000507_000000472087_00131_41768_1482.N1 | 25-FEB-2010 00:05:07 | Dark | 47.000 | 10 | Bet Cen | 0.61000 | 28000. | 94 | 41768 | No |
| 3 | GOM_TRA_1PNPDE20100225_001006_000000472087_00131_41768_1483.N1 | 25-FEB-2010 00:10:06 | Dark | 46.500 | 64 | Gam Cen | 2.2000 | 10600. | 93 | 41768 | No |
| 4 | GOM_TRA_1PNPDE20100225_001329_000000442087_00131_41768_1484.N1 | 25-FEB-2010 00:13:29 | Straylight | 43.500 | 113 | Mu Vel | 2.6920 | 5000.0 | 87 | 41768 | No |
| 5 | GOM_TRA_1PNPDE20100225_002619_000000462087_00131_41768_1485.N1 | 25-FEB-2010 00:26:19 | Twilight_stray | 46.000 | 48 | 30Alp Hya | 1.9770 | 4100.0 | 92 | 41768 | No |
| 6 | GOM_TRA_1PNPDE20100225_003248_000000252087_00131_41768_1486.N1 | 25-FEB-2010 00:32:48 | Twilight_stray | 25.000 | 22 | 32Alp Leo | 1.3600 | 15200. | 50 | 41768 | No |
| 7 | GOM_TRA_1PNPDE20100225_003608_000000422087_00131_41768_1487.N1 | 25-FEB-2010 00:36:08 | Bright | 42.000 | 166 | 17Eps Leo | 2.9800 | 6000.0 | 84 | 41768 | No |
| 8 | GOM_TRA_1PNPDE20100225_004840_000000422087_00131_41768_1488.N1 | 25-FEB-2010 00:48:40 | Bright | 41.500 | 36 | 50Alp UMa | 1.8000 | 6300.0 | 83 | 41768 | No |
| 9 | GOM_TRA_1PNPDE20100225_005544_000000382087_00131_41768_1489.N1 | 25-FEB-2010 00:55:44 | Bright | 38.000 | 60 | 7Bet UMi | 2.0810 | 3950.0 | 76 | 41768 | No |
| 10 | GOM_TRA_1PNPDE20100225_010516_000000462087_00131_41768_1490.N1 | 25-FEB-2010 01:05:16 | Bright | 46.000 | 69 | 33Gam Dra | 2.2310 | 3800.0 | 92 | 41768 | No |
| 11 | GOM_TRA_1PNPDE20100225_010930_000000452087_00131_41768_1491.N1 | 25-FEB-2010 01:09:30 | Bright | 45.000 | 5 | 3Alp Lyr | 0.033000 | 11000. | 90 | 41768 | No |
| 12 | GOM_TRA_1PNPDE20100225_011650_000000562087_00131_41768_1492.N1 | 25-FEB-2010 01:16:50 | Bright | 55.500 | 168 | 17Zet Aql | 2.9860 | 11000. | 111 | 41768 | No |
| 13 | GOM_TRA_1PNPDE20100225_013118_000000462087_00131_41768_1500.N1 | 25-FEB-2010 01:31:18 | Dark | 46.000 | 38 | 20Eps Sgr | 1.8360 | 11000. | 92 | 41768 | No |
| 14 | GOM_TRA_1PNPDE20100225_013355_000000422087_00131_41768_1501.N1 | 25-FEB-2010 01:33:55 | Dark | 42.000 | 25 | 35Lam Sco | 1.6200 | 28000. | 84 | 41768 | No |
| 15 | GOM_TRA_1PNPDE20100225_013636_000000402087_00131_41768_1502.N1 | 25-FEB-2010 01:36:36 | Dark | 40.000 | 147 | Alp Ara | 2.8770 | 26000. | 80 | 41768 | No |
| 16 | GOM_TRA_1PNPDE20100225_014425_000000432087_00132_41769_1503.N1 | 25-FEB-2010 01:44:25 | Dark | 42.500 | 4 | Alp1Cen | -0.010000 | 5800.0 | 85 | 41769 | No |
| 17 | GOM_TRA_1PNPDE20100225_014544_000000492087_00132_41769_1504.N1 | 25-FEB-2010 01:45:44 | Dark | 49.000 | 10 | Bet Cen | 0.61000 | 28000. | 98 | 41769 | No |
| 18 | GOM_TRA_1PNPDE20100225_015042_000000452087_00132_41769_1505.N1 | 25-FEB-2010 01:50:42 | Dark | 44.500 | 64 | Gam Cen | 2.2000 | 10600. | 89 | 41769 | No |
| 19 | GOM_TRA_1PNPDE20100225_015405_000000452087_00132_41769_1506.N1 | 25-FEB-2010 01:54:05 | Straylight | 44.500 | 113 | Mu Vel | 2.6920 | 5000.0 | 89 | 41769 | No |
| 20 | GOM_TRA_1PNPDE20100225_020655_000000462087_00132_41769_1507.N1 | 25-FEB-2010 02:06:55 | Twilight_stray | 45.500 | 48 | 30Alp Hya | 1.9770 | 4100.0 | 91 | 41769 | No |
| 21 | GOM_TRA_1PNPDE20100225_021324_000000252087_00132_41769_1508.N1 | 25-FEB-2010 02:13:24 | Twilight_stray | 25.000 | 22 | 32Alp Leo | 1.3600 | 15200. | 50 | 41769 | No |
| 22 | GOM_TRA_1PNPDE20100225_021644_000000422087_00132_41769_1509.N1 | 25-FEB-2010 02:16:44 | Bright | 41.500 | 166 | 17Eps Leo | 2.9800 | 6000.0 | 83 | 41769 | No |
| 23 | GOM_TRA_1PNPDE20100225_022915_000000422087_00132_41769_1510.N1 | 25-FEB-2010 02:29:15 | Bright | 41.500 | 36 | 50Alp UMa | 1.8000 | 6300.0 | 83 | 41769 | No |
| 24 | GOM_TRA_1PNPDE20100225_023620_000000422087_00132_41769_1511.N1 | 25-FEB-2010 02:36:20 | Bright | 42.000 | 60 | 7Bet UMi | 2.0810 | 3950.0 | 84 | 41769 | No |
| 25 | GOM_TRA_1PNPDE20100225_024552_000000452087_00132_41769_1527.N1 | 25-FEB-2010 02:45:52 | Bright | 45.000 | 69 | 33Gam Dra | 2.2310 | 3800.0 | 90 | 41769 | No |
| 26 | GOM_TRA_1PNPDE20100225_025006_000000432087_00132_41769_1528.N1 | 25-FEB-2010 02:50:06 | Bright | 43.000 | 5 | 3Alp Lyr | 0.033000 | 11000. | 86 | 41769 | No |
| 27 | GOM_TRA_1PNPDE20100225_025726_000000562087_00132_41769_1529.N1 | 25-FEB-2010 02:57:26 | Bright | 56.000 | 168 | 17Zet Aql | 2.9860 | 11000. | 112 | 41769 | No |
| 28 | GOM_TRA_1PNPDE20100225_031154_000000482087_00132_41769_1530.N1 | 25-FEB-2010 03:11:54 | Dark | 47.500 | 38 | 20Eps Sgr | 1.8360 | 11000. | 95 | 41769 | No |
| 29 | GOM_TRA_1PNPDE20100225_031431_000000432087_00132_41769_1531.N1 | 25-FEB-2010 03:14:31 | Dark | 43.000 | 25 | 35Lam Sco | 1.6200 | 28000. | 86 | 41769 | No |
| 30 | GOM_TRA_1PNPDE20100225_031713_000000392087_00132_41769_1532.N1 | 25-FEB-2010 03:17:13 | Dark | 39.000 | 147 | Alp Ara | 2.8770 | 26000. | 78 | 41769 | No |
| 31 | GOM_TRA_1PNPDE20100225_032501_000000442087_00133_41770_1533.N1 | 25-FEB-2010 03:25:01 | Dark | 43.500 | 4 | Alp1Cen | -0.010000 | 5800.0 | 87 | 41770 | No |
| 32 | GOM_TRA_1PNPDE20100225_032621_000000422087_00133_41770_1534.N1 | 25-FEB-2010 03:26:21 | Dark | 41.500 | 10 | Bet Cen | 0.61000 | 28000. | 83 | 41770 | No |
| 33 | GOM_TRA_1PNPDE20100225_033119_000000442087_00133_41770_1535.N1 | 25-FEB-2010 03:31:19 | Dark | 44.000 | 64 | Gam Cen | 2.2000 | 10600. | 88 | 41770 | No |

| | | | | | | | | | | | |
|----|--|----------------------|------------|--------|-----|-----------|-----------|--------|-----|-------|----|
| 34 | GOM_TRA_1PNPDE20100225_033442_000000422087_00133_41770_1536.N1 | 25-FEB-2010 03:34:42 | Straylight | 42.000 | 113 | Mu Vel | 2.6920 | 5000.0 | 84 | 41770 | No |
| 35 | GOM_TRA_1PNPDE20100225_034731_000000462087_00133_41770_1537.N1 | 25-FEB-2010 03:47:31 | Twilight | 46.000 | 48 | 30Alp Hya | 1.9770 | 4100.0 | 92 | 41770 | No |
| 36 | GOM_TRA_1PNPDE20100225_035400_000000332087_00133_41770_1538.N1 | 25-FEB-2010 03:54:00 | Bright | 33.000 | 22 | 32Alp Leo | 1.3600 | 15200. | 66 | 41770 | No |
| 37 | GOM_TRA_1PNPDE20100225_035719_000000422087_00133_41770_1539.N1 | 25-FEB-2010 03:57:19 | Bright | 42.000 | 166 | 17Eps Leo | 2.9800 | 6000.0 | 84 | 41770 | No |
| 38 | GOM_TRA_1PNPDE20100225_040950_000000422087_00133_41770_1540.N1 | 25-FEB-2010 04:09:50 | Bright | 42.000 | 36 | 50Alp UMa | 1.8000 | 6300.0 | 84 | 41770 | No |
| 39 | GOM_TRA_1PNPDE20100225_041655_000000432087_00133_41770_1541.N1 | 25-FEB-2010 04:16:55 | Bright | 42.500 | 60 | 7Bet UMi | 2.0810 | 3950.0 | 85 | 41770 | No |
| 40 | GOM_TRA_1PNPDE20100225_042627_000000442087_00133_41770_1573.N1 | 25-FEB-2010 04:26:27 | Bright | 44.000 | 69 | 33Gam Dra | 2.2310 | 3800.0 | 88 | 41770 | No |
| 41 | GOM_TRA_1PNPDE20100225_043042_000000392087_00133_41770_1574.N1 | 25-FEB-2010 04:30:42 | Bright | 38.500 | 5 | 3Alp Lyr | 0.033000 | 11000. | 77 | 41770 | No |
| 42 | GOM_TRA_1PNPDE20100225_043803_000000492087_00133_41770_1575.N1 | 25-FEB-2010 04:38:03 | Bright | 48.500 | 168 | 17Zet Aql | 2.9860 | 11000. | 97 | 41770 | No |
| 43 | GOM_TRA_1PNPDE20100225_045230_000000432087_00133_41770_1576.N1 | 25-FEB-2010 04:52:30 | Dark | 43.000 | 38 | 20Eps Sgr | 1.8360 | 11000. | 86 | 41770 | No |
| 44 | GOM_TRA_1PNPDE20100225_045508_000000472087_00133_41770_1577.N1 | 25-FEB-2010 04:55:08 | Dark | 47.000 | 25 | 35Lam Sco | 1.6200 | 28000. | 94 | 41770 | No |
| 45 | GOM_TRA_1PNPDE20100225_045749_000000402087_00133_41770_1578.N1 | 25-FEB-2010 04:57:49 | Dark | 40.000 | 147 | Alp Ara | 2.8770 | 26000. | 80 | 41770 | No |
| 46 | GOM_TRA_1PNPDE20100225_050538_000000422087_00134_41771_1579.N1 | 25-FEB-2010 05:05:38 | Dark | 42.000 | 4 | Alp1Cen | -0.010000 | 5800.0 | 84 | 41771 | No |
| 47 | GOM_TRA_1PNPDE20100225_050657_000000452087_00134_41771_1580.N1 | 25-FEB-2010 05:06:57 | Dark | 44.500 | 10 | Bet Cen | 0.61000 | 28000. | 89 | 41771 | No |
| 48 | GOM_TRA_1PNPDE20100225_051156_000000472087_00134_41771_1581.N1 | 25-FEB-2010 05:11:56 | Dark | 47.000 | 64 | Gam Cen | 2.2000 | 10600. | 94 | 41771 | No |
| 49 | GOM_TRA_1PNPDE20100225_051518_000000442087_00134_41771_1582.N1 | 25-FEB-2010 05:15:18 | Straylight | 44.000 | 113 | Mu Vel | 2.6920 | 5000.0 | 88 | 41771 | No |
| 50 | GOM_TRA_1PNPDE20100225_052807_000000442087_00134_41771_1583.N1 | 25-FEB-2010 05:28:07 | Twilight | 44.000 | 48 | 30Alp Hya | 1.9770 | 4100.0 | 88 | 41771 | No |
| 51 | GOM_TRA_1PNPDE20100225_053436_000000332087_00134_41771_1584.N1 | 25-FEB-2010 05:34:36 | Bright | 33.000 | 22 | 32Alp Leo | 1.3600 | 15200. | 66 | 41771 | No |
| 52 | GOM_TRA_1PNPDE20100225_053755_000000402087_00134_41771_1585.N1 | 25-FEB-2010 05:37:55 | Bright | 40.000 | 166 | 17Eps Leo | 2.9800 | 6000.0 | 80 | 41771 | No |
| 53 | GOM_TRA_1PNPDE20100225_055026_000000432087_00134_41771_1586.N1 | 25-FEB-2010 05:50:26 | Bright | 42.500 | 36 | 50Alp UMa | 1.8000 | 6300.0 | 85 | 41771 | No |
| 54 | GOM_TRA_1PNPDE20100225_055731_000000372087_00134_41771_1587.N1 | 25-FEB-2010 05:57:31 | Bright | 37.000 | 60 | 7Bet UMi | 2.0810 | 3950.0 | 74 | 41771 | No |
| 55 | GOM_TRA_1PNPDE20100225_203331_000000472087_00143_41780_1695.N1 | 25-FEB-2010 20:33:31 | Twilight | 47.000 | 48 | 30Alp Hya | 1.9770 | 4100.0 | 94 | 41780 | No |
| 56 | GOM_TRA_1PNPDE20100225_203957_000000472087_00143_41780_1696.N1 | 25-FEB-2010 20:39:57 | Bright | 46.500 | 22 | 32Alp Leo | 1.3600 | 15200. | 93 | 41780 | No |
| 57 | GOM_TRA_1PNPDE20100225_204316_000000392087_00143_41780_1697.N1 | 25-FEB-2010 20:43:16 | Bright | 39.000 | 166 | 17Eps Leo | 2.9800 | 6000.0 | 78 | 41780 | No |
| 58 | GOM_TRA_1PNPDE20100225_205155_000000452087_00143_41780_1698.N1 | 25-FEB-2010 20:51:55 | Bright | 45.000 | 174 | 52Psi UMa | 3.0040 | 4400.0 | 90 | 41780 | No |
| 59 | GOM_TRA_1PNPDE20100225_205429_000000442087_00143_41780_1699.N1 | 25-FEB-2010 20:54:29 | Bright | 43.500 | 82 | 48Bet UMa | 2.3650 | 10600. | 87 | 41780 | No |
| 60 | GOM_TRA_1PNPDE20100225_210251_000000402087_00143_41780_1700.N1 | 25-FEB-2010 21:02:51 | Bright | 39.500 | 60 | 7Bet UMi | 2.0810 | 3950.0 | 79 | 41780 | No |
| 61 | GOM_TRA_1PNPDE20100225_210738_000000462087_00143_41780_1701.N1 | 25-FEB-2010 21:07:38 | Bright | 45.500 | 119 | 14Eta Dra | 2.7270 | 4700.0 | 91 | 41780 | No |
| 62 | GOM_TRA_1PNPDE20100225_211152_000000472087_00143_41780_1702.N1 | 25-FEB-2010 21:11:52 | Bright | 46.500 | 130 | 23Bet Dra | 2.7990 | 5800.0 | 93 | 41780 | No |
| 63 | GOM_TRA_1PNPDE20100225_211642_000000442087_00143_41780_1703.N1 | 25-FEB-2010 21:16:42 | Bright | 44.000 | 5 | 3Alp Lyr | 0.033000 | 11000. | 88 | 41780 | No |
| 64 | GOM_TRA_1PNPDE20100225_212405_000000562087_00143_41780_1704.N1 | 25-FEB-2010 21:24:05 | Bright | 56.000 | 168 | 17Zet Aql | 2.9860 | 11000. | 112 | 41780 | No |
| 65 | GOM_TRA_1PNPDE20100225_212931_000000572087_00143_41780_1719.N1 | 25-FEB-2010 21:29:31 | Twilight | 57.000 | 126 | 60Bet Oph | 2.7700 | 4250.0 | 114 | 41780 | No |
| 66 | GOM_TRA_1PNPDE20100225_213612_000000452087_00143_41780_1720.N1 | 25-FEB-2010 21:36:12 | Dark | 45.000 | 137 | 22Lam Sgr | 2.8240 | 4400.0 | 90 | 41780 | No |
| 67 | GOM_TRA_1PNPDE20100225_213835_000000462087_00143_41780_1721.N1 | 25-FEB-2010 21:38:35 | Dark | 45.500 | 38 | 20Eps Sgr | 1.8360 | 11000. | 91 | 41780 | No |
| 68 | GOM_TRA_1PNPDE20100225_214115_000000472087_00143_41780_1722.N1 | 25-FEB-2010 21:41:15 | Dark | 46.500 | 25 | 35Lam Sco | 1.6200 | 28000. | 93 | 41780 | No |
| 69 | GOM_TRA_1PNPDE20100225_214308_000000512087_00143_41780_1723.N1 | 25-FEB-2010 21:43:08 | Dark | 51.000 | 75 | 26Eps Sco | 2.2910 | 4250.0 | 102 | 41780 | No |
| 70 | GOM_TRA_1PNPDE20100225_214900_000000482087_00144_41781_1724.N1 | 25-FEB-2010 21:49:00 | Dark | 48.000 | 131 | Gam Lup | 2.8000 | 26000. | 96 | 41781 | No |
| 71 | GOM_TRA_1PNPDE20100225_215143_000000452087_00144_41781_1725.N1 | 25-FEB-2010 21:51:43 | Dark | 45.000 | 4 | Alp1Cen | -0.010000 | 5800.0 | 90 | 41781 | No |
| 72 | GOM_TRA_1PNPDE20100225_215303_000000432087_00144_41781_1726.N1 | 25-FEB-2010 21:53:03 | Dark | 43.000 | 10 | Bet Cen | 0.61000 | 28000. | 86 | 41781 | No |
| 73 | GOM_TRA_1PNPDE20100225_215445_000000432087_00144_41781_1727.N1 | 25-FEB-2010 21:54:45 | Dark | 42.500 | 77 | Eps Cen | 2.3030 | 28000. | 85 | 41781 | No |
| 74 | GOM_TRA_1PNPDE20100225_215643_000000572087_00144_41781_1728.N1 | 25-FEB-2010 21:56:43 | Dark | 56.500 | 26 | Gam Cru | 1.6240 | 2900.0 | 113 | 41781 | No |
| 75 | GOM_TRA_1PNPDE20100225_215802_000000462087_00144_41781_1729.N1 | 25-FEB-2010 21:58:02 | Dark | 46.000 | 64 | Gam Cen | 2.2000 | 10600. | 92 | 41781 | No |
| 76 | GOM_TRA_1PNPDE20100225_221407_000000462087_00144_41781_1730.N1 | 25-FEB-2010 22:14:07 | Twilight | 45.500 | 48 | 30Alp Hya | 1.9770 | 4100.0 | 91 | 41781 | No |
| 77 | GOM_TRA_1PNPDE20100225_222033_000000442087_00144_41781_1731.N1 | 25-FEB-2010 22:20:33 | Bright | 44.000 | 22 | 32Alp Leo | 1.3600 | 15200. | 88 | 41781 | No |
| 78 | GOM_TRA_1PNPDE20100225_222352_000000402087_00144_41781_1732.N1 | 25-FEB-2010 22:23:52 | Bright | 39.500 | 166 | 17Eps Leo | 2.9800 | 6000.0 | 79 | 41781 | No |
| 79 | GOM_TRA_1PNPDE20100225_223230_000000472087_00144_41781_1733.N1 | 25-FEB-2010 22:32:30 | Bright | 46.500 | 174 | 52Psi UMa | 3.0040 | 4400.0 | 93 | 41781 | No |
| 80 | GOM_TRA_1PNPDE20100225_223505_000000432087_00144_41781_1734.N1 | 25-FEB-2010 22:35:05 | Bright | 42.500 | 82 | 48Bet UMa | 2.3650 | 10600. | 85 | 41781 | No |
| 81 | GOM_TRA_1PNPDE20100225_224327_000000422087_00144_41781_1735.N1 | 25-FEB-2010 22:43:27 | Bright | 42.000 | 60 | 7Bet UMi | 2.0810 | 3950.0 | 84 | 41781 | No |
| 82 | GOM_TRA_1PNPDE20100225_224813_000000442087_00144_41781_1736.N1 | 25-FEB-2010 22:48:13 | Bright | 44.000 | 119 | 14Eta Dra | 2.7270 | 4700.0 | 88 | 41781 | No |
| 83 | GOM_TRA_1PNPDE20100225_225228_000000472087_00144_41781_1737.N1 | 25-FEB-2010 22:52:28 | Bright | 47.000 | 130 | 23Bet Dra | 2.7990 | 5800.0 | 94 | 41781 | No |
| 84 | GOM_TRA_1PNPDE20100225_225718_000000452087_00144_41781_1738.N1 | 25-FEB-2010 22:57:18 | Bright | 44.500 | 5 | 3Alp Lyr | 0.033000 | 11000. | 89 | 41781 | No |
| 85 | GOM_TRA_1PNPDE20100225_230441_000000562087_00144_41781_1739.N1 | 25-FEB-2010 23:04:41 | Bright | 56.000 | 168 | 17Zet Aql | 2.9860 | 11000. | 112 | 41781 | No |
| 86 | GOM_TRA_1PNPDE20100225_231008_000000612087_00144_41781_1740.N1 | 25-FEB-2010 23:10:08 | Twilight | 60.500 | 126 | 60Bet Oph | 2.7700 | 4250.0 | 121 | 41781 | No |
| 87 | GOM_TRA_1PNPDE20100225_231648_000000472087_00144_41781_1746.N1 | 25-FEB-2010 23:16:48 | Dark | 46.500 | 137 | 22Lam Sgr | 2.8240 | 4400.0 | 93 | 41781 | No |
| 88 | GOM_TRA_1PNPDE20100225_231912_000000422087_00144_41781_1747.N1 | 25-FEB-2010 23:19:12 | Dark | 41.500 | 38 | 20Eps Sgr | 1.8360 | 11000. | 83 | 41781 | No |
| 89 | GOM_TRA_1PNPDE20100225_232152_000000482087_00144_41781_1748.N1 | 25-FEB-2010 23:21:52 | Dark | 48.000 | 25 | 35Lam Sco | 1.6200 | 28000. | 96 | 41781 | No |
| 90 | GOM_TRA_1PNPDE20100225_232345_000000532087_00144_41781_1749.N1 | 25-FEB-2010 23:23:45 | Dark | 52.500 | 75 | 26Eps Sco | 2.2910 | 4250.0 | 105 | 41781 | No |
| 91 | GOM_TRA_1PNPDE20100225_232937_000000492087_00145_41782_1750.N1 | 25-FEB-2010 23:29:37 | Dark | 49.000 | 131 | Gam Lup | 2.8000 | 26000. | 98 | 41782 | No |
| 92 | GOM_TRA_1PNPDE20100225_233220_000000432087_00145_41782_1751.N1 | 25-FEB-2010 23:32:20 | Dark | 42.500 | 4 | Alp1Cen | -0.010000 | 5800.0 | 85 | 41782 | No |

| | | | | | | | | | | | |
|----|--|----------------------|--------------------|--------|----|-----------|---------|--------|-----|-------|----|
| 93 | GOM_TRA_1PNPDE20100225_233339_000000452087_00145_41782_1752.N1 | 25-FEB-2010 23:33:39 | Dark | 44.500 | 10 | Bet Cen | 0.61000 | 28000. | 89 | 41782 | No |
| 94 | GOM_TRA_1PNPDE20100225_233521_000000492087_00145_41782_1753.N1 | 25-FEB-2010 23:35:21 | Dark | 48.500 | 77 | Eps Cen | 2.3030 | 28000. | 97 | 41782 | No |
| 95 | GOM_TRA_1PNPDE20100225_233719_000000572087_00145_41782_1754.N1 | 25-FEB-2010 23:37:19 | Dark | 57.000 | 26 | Gam Cru | 1.6240 | 2900.0 | 114 | 41782 | No |
| 96 | GOM_TRA_1PNPDE20100225_233838_000000432087_00145_41782_1755.N1 | 25-FEB-2010 23:38:38 | Dark | 43.000 | 64 | Gam Cen | 2.2000 | 10600. | 86 | 41782 | No |
| 97 | GOM_TRA_1PNPDE20100225_235443_000000462087_00145_41782_1756.N1 | 25-FEB-2010 23:54:43 | Twilight_and_stray | 45.500 | 48 | 30Alp Hya | 1.9770 | 4100.0 | 91 | 41782 | 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).

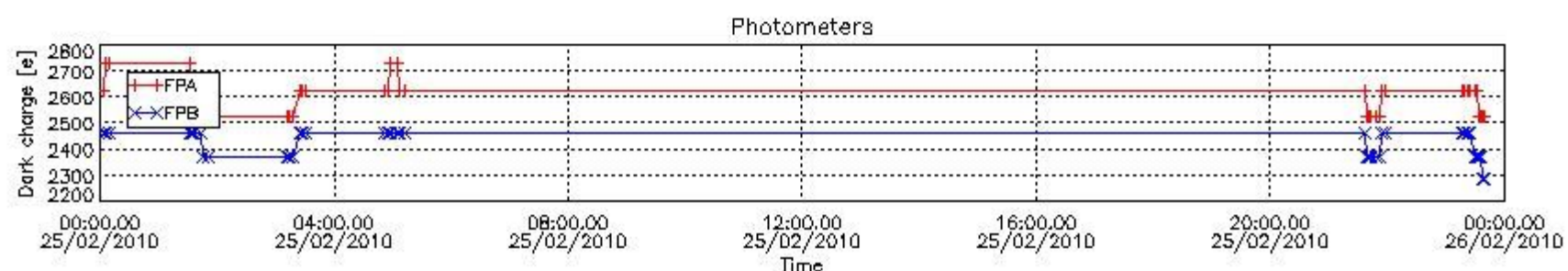
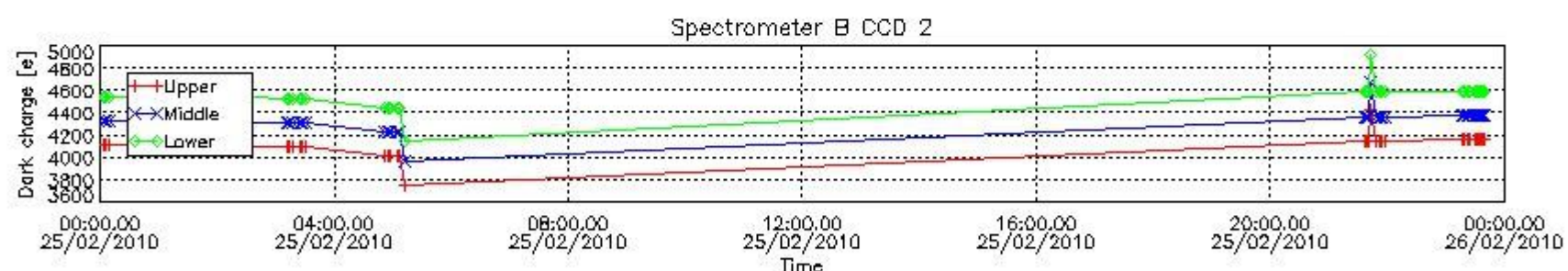
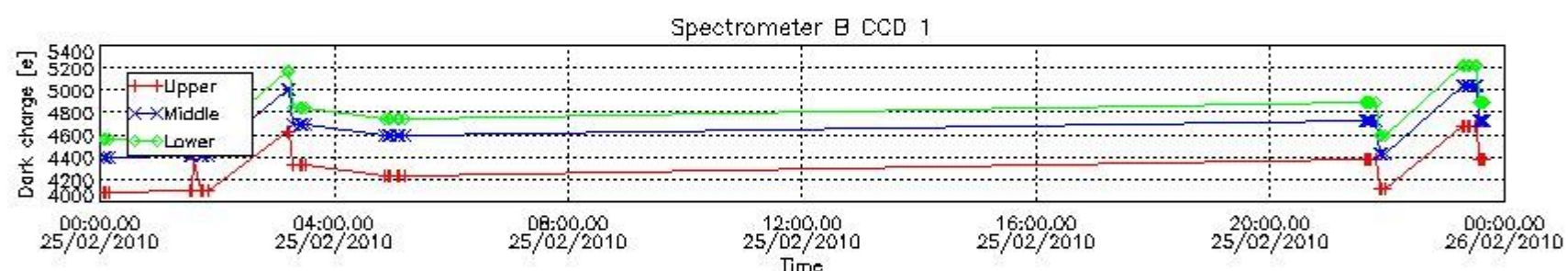
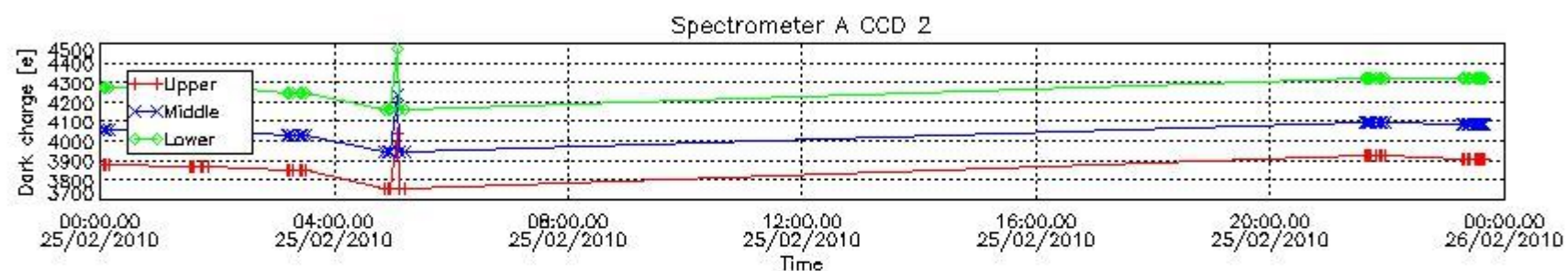
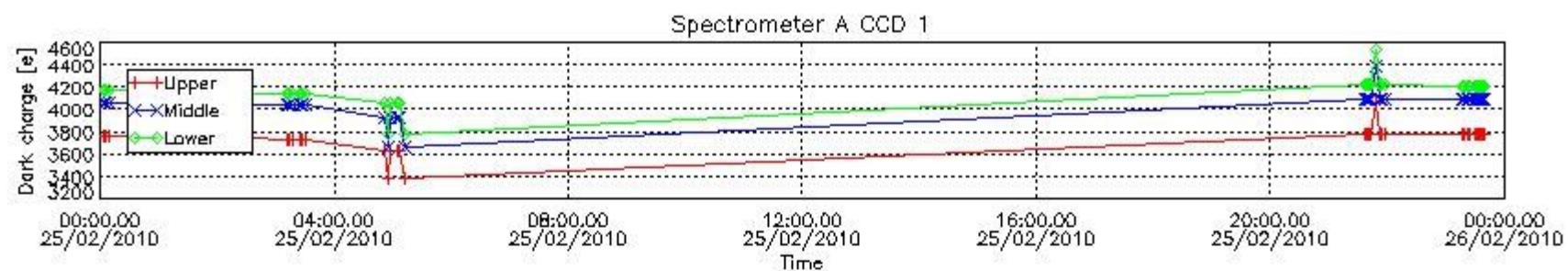
In this section a list of products that did not use the Dark Sky Area (DSA) observation for the DC computation is given. It is also provided the mean DC plot per product for dark limb products with no error flag set.

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

| Product name | DC information |
|--|----------------|
| GOM_TRA_1PNPDE20100225_203331_000000472087_00143_41780_1695.N1 | DC map used |
| GOM_TRA_1PNPDE20100225_203957_000000472087_00143_41780_1696.N1 | DC map used |
| GOM_TRA_1PNPDE20100225_204316_000000392087_00143_41780_1697.N1 | DC map used |
| GOM_TRA_1PNPDE20100225_205155_000000452087_00143_41780_1698.N1 | DC map used |
| GOM_TRA_1PNPDE20100225_205429_000000442087_00143_41780_1699.N1 | DC map used |

| | |
|--|-------------|
| GOM_TRA_1PNPDE20100225_210251_000000402087_00143_41780_1700.N1 | DC map used |
| GOM_TRA_1PNPDE20100225_210738_000000462087_00143_41780_1701.N1 | DC map used |
| GOM_TRA_1PNPDE20100225_211152_000000472087_00143_41780_1702.N1 | DC map used |
| GOM_TRA_1PNPDE20100225_211642_000000442087_00143_41780_1703.N1 | DC map used |
| GOM_TRA_1PNPDE20100225_212405_000000562087_00143_41780_1704.N1 | DC map used |

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



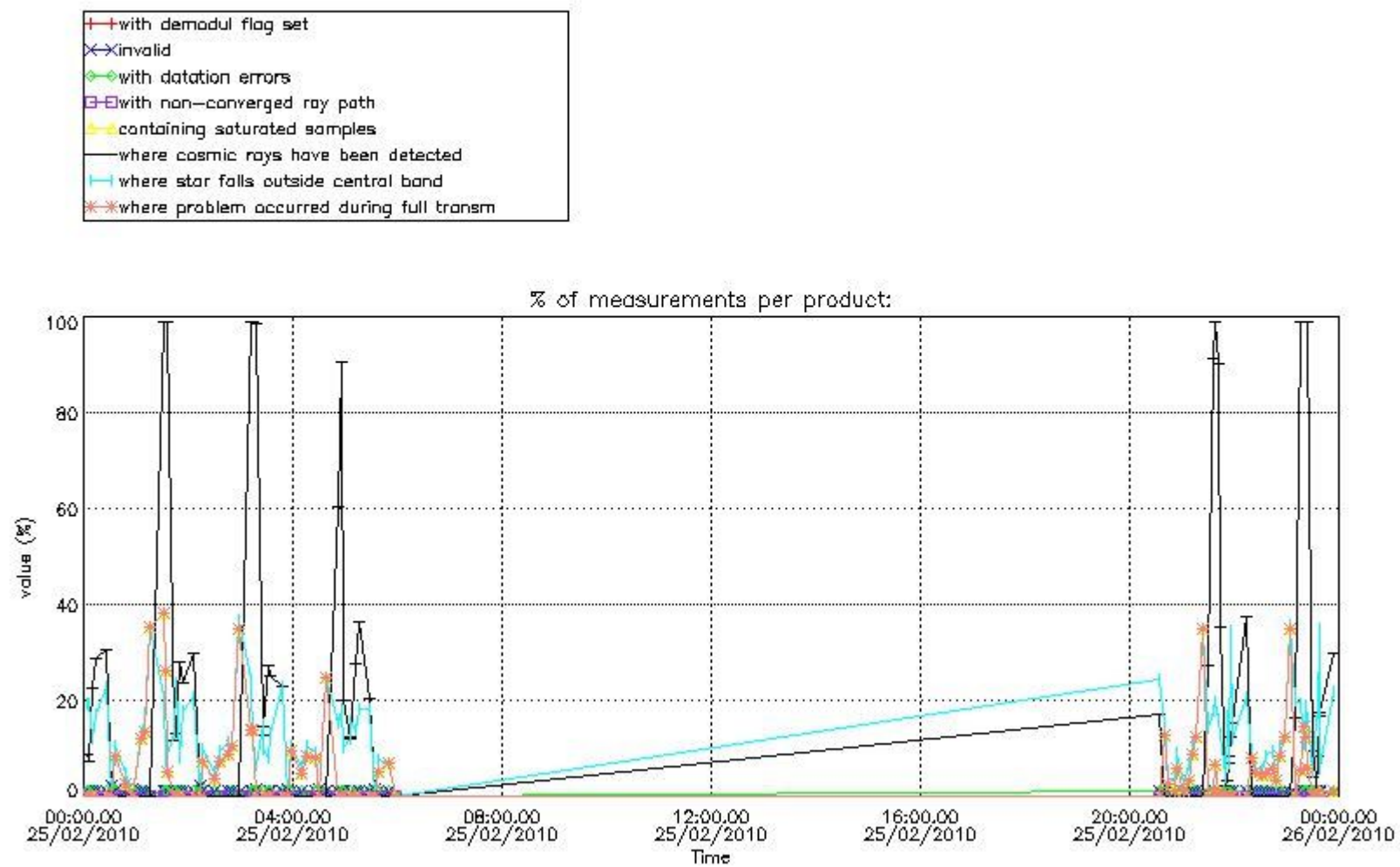
5. Demodulation flag and quality information monitoring

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

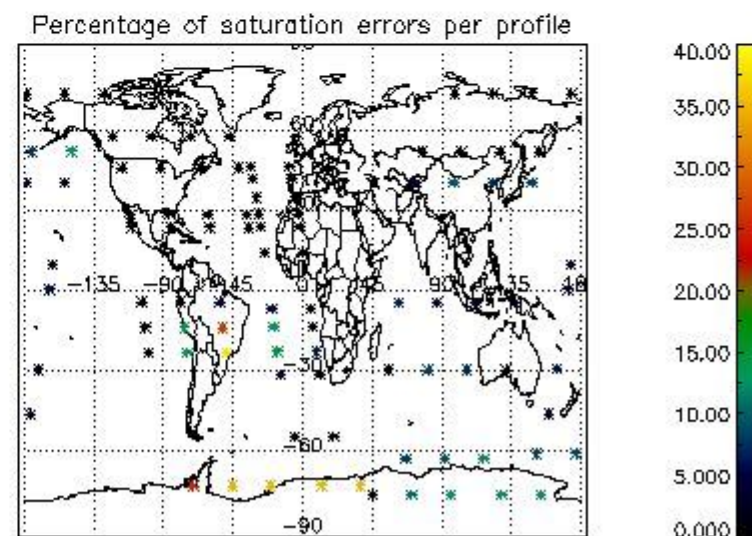
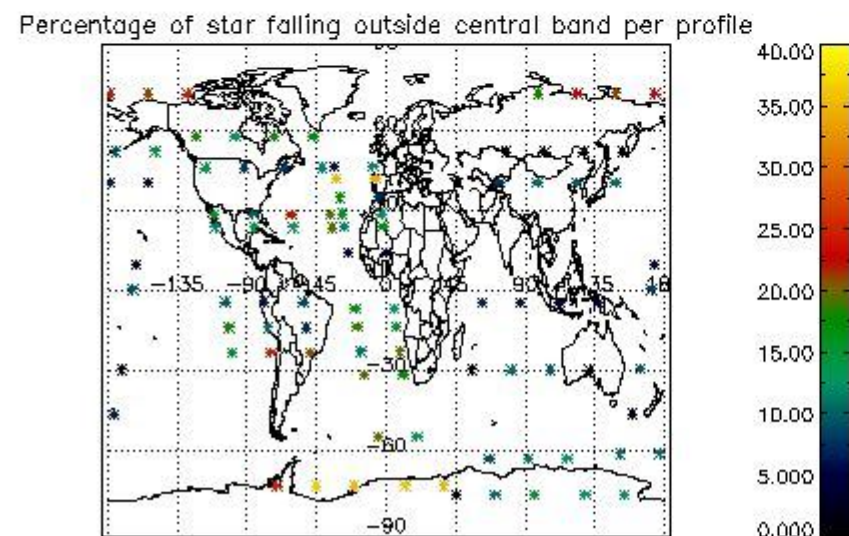
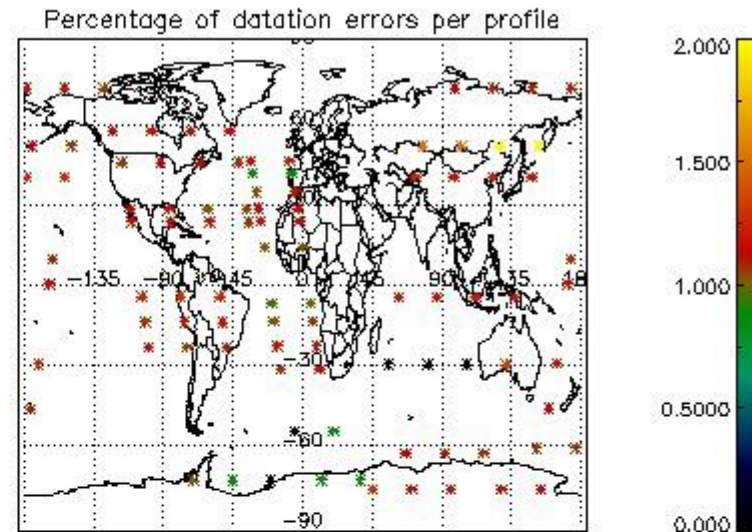
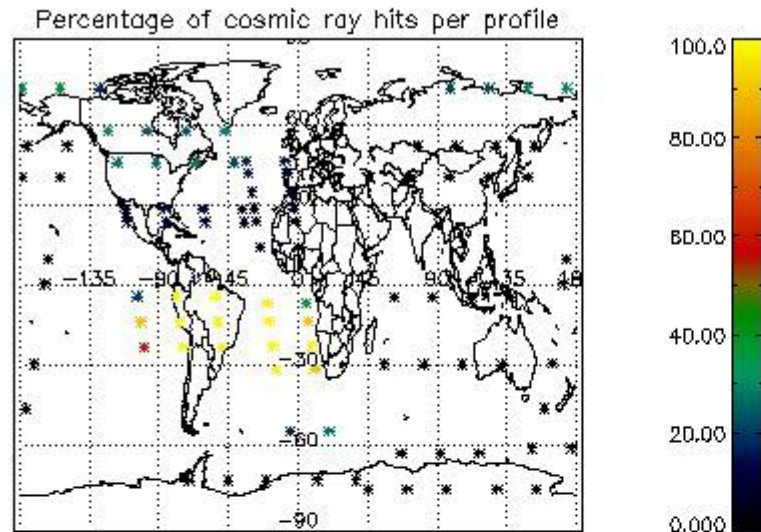
5.1 Percentage of products during reporting period with:

| | |
|---|-----------|
| At least one measurement with demodulation flag set: | 40.2062 % |
| 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)



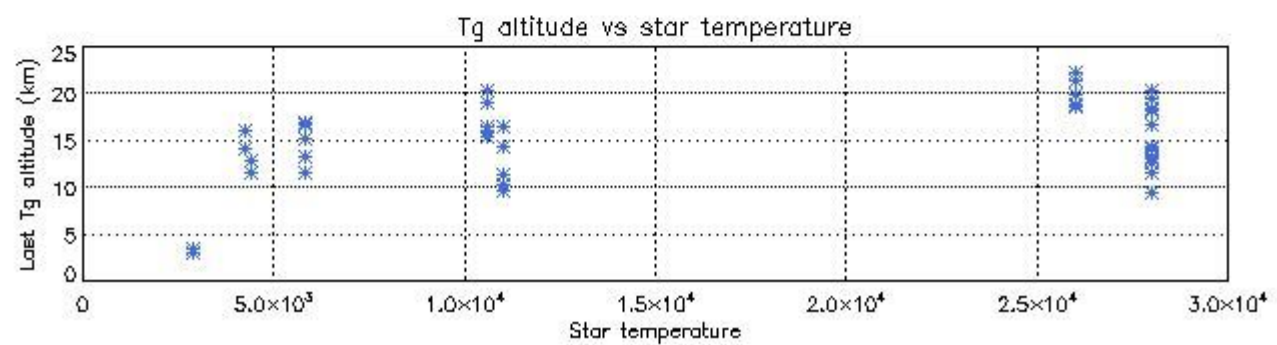
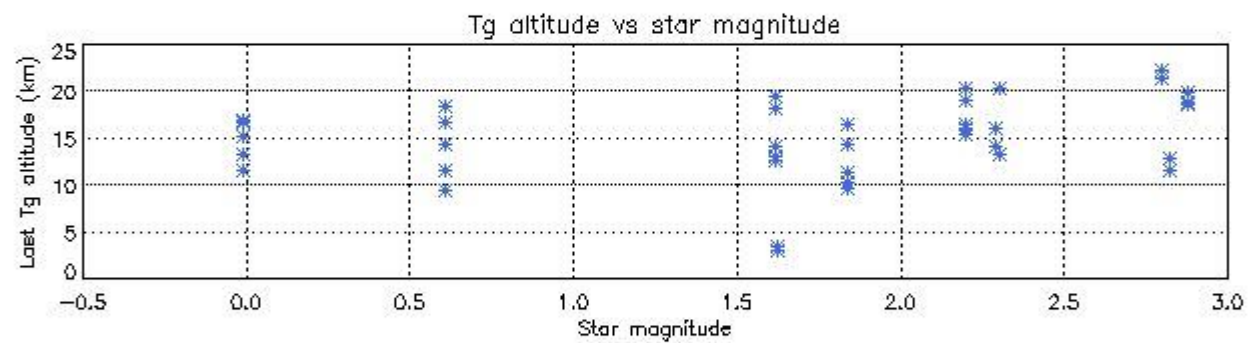
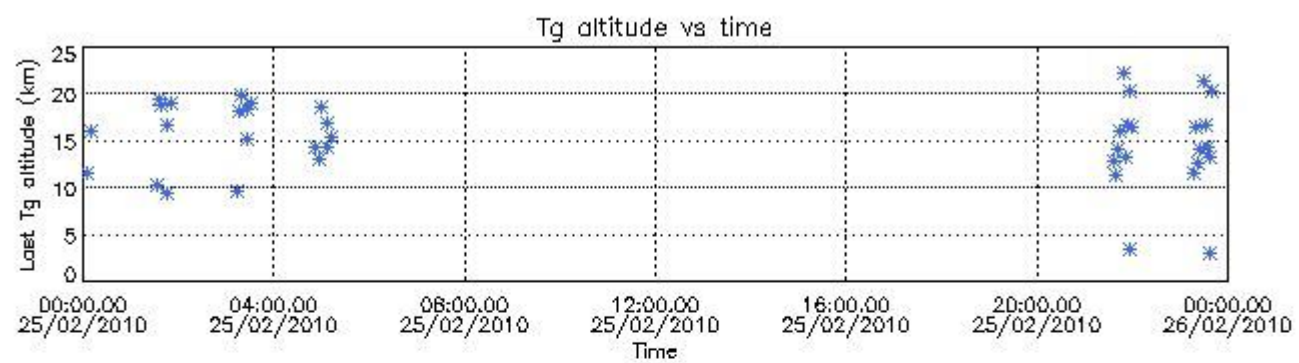
6. Statistics and plot of tangent altitude of the last measurement (DARK & BRIGHT products without errors)

6.1 Statistics on tangent altitude lost:

| Statistics | DARK | BRIGHT | TWILIGHT |
|-----------------|--------|--------|----------|
| Mean: | 15.012 | 18.853 | NaN |
| St. deviation: | 4.2553 | 7.7954 | NaN |
| Maximum: | 22.275 | 42.765 | NaN |
| Minimum: | 3.0830 | 3.9826 | NaN |
| Number of data: | 41.000 | 41.000 | NaN |

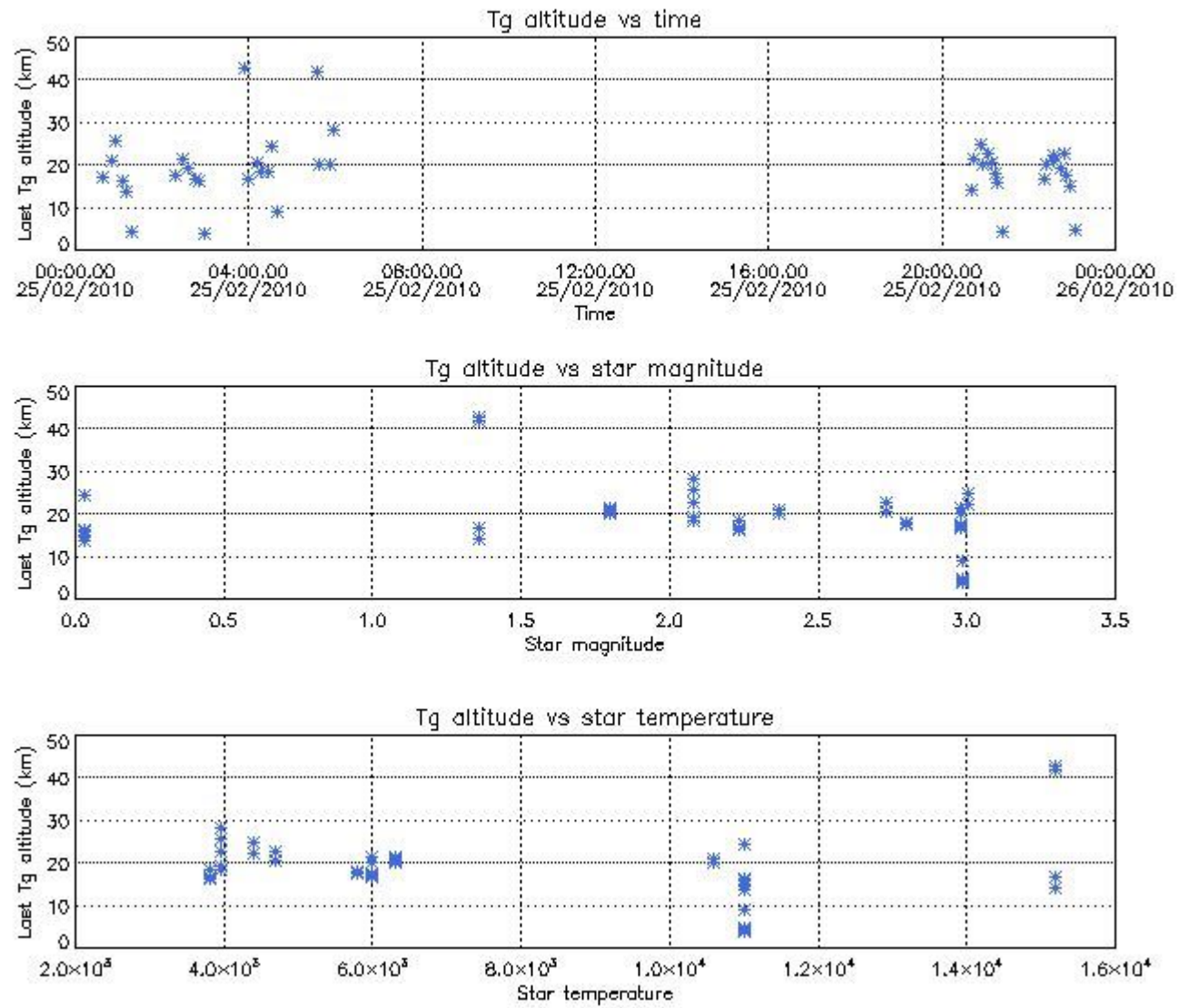
6.2 Plot for DARK limb products

Tangent altitude at which the star is lost



6.3 Plot for BRIGHT limb products

Tangent altitude at which the star is lost

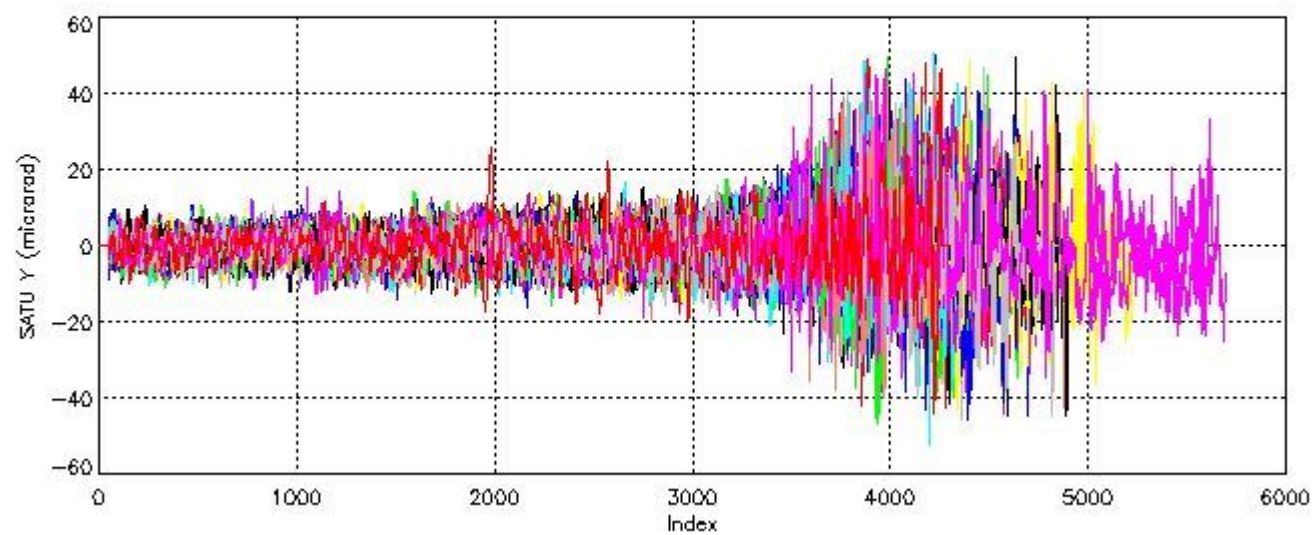
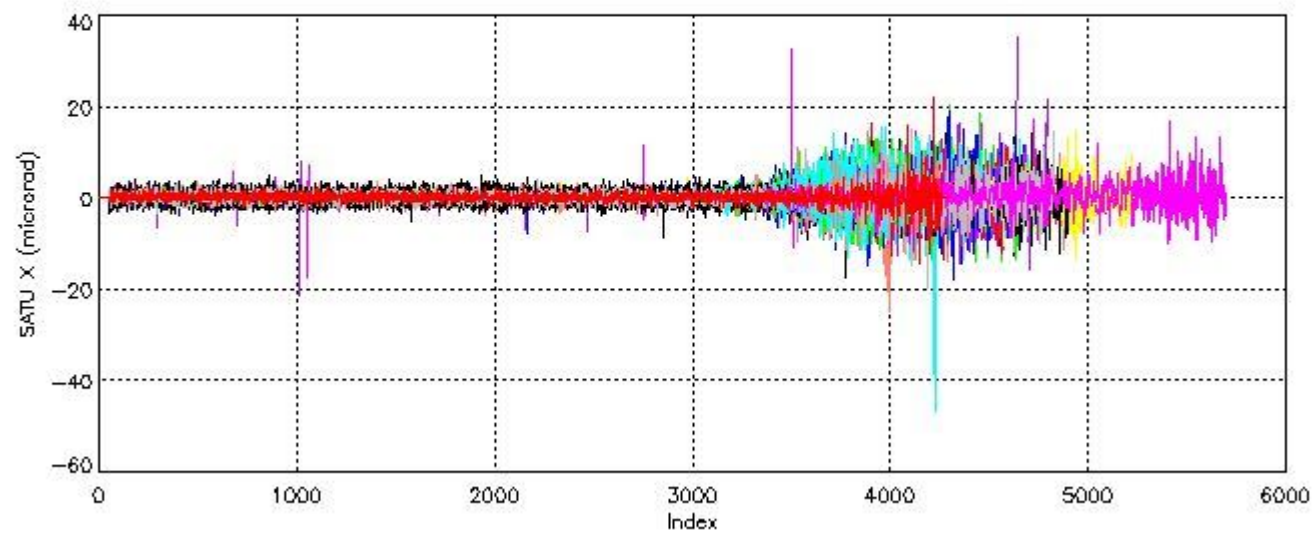


7. Star Acquisition and Tracking Unit (SATU)

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: | 0.18368 | -0.11646 | 0.16912 | -0.017386 |
| St. deviation: | 0.52092 | 2.8592 | 0.64946 | 2.9988 |
| Maximum: | 5.9000 | 12.300 | 4.9000 | 11.500 |
| Minimum: | -6.3000 | -12.200 | -5.2000 | -12.900 |

| | | | | |
|-----------------|--------|--------|--------|--------|
| Number of data: | 40300. | 40300. | 40500. | 40500. |
|-----------------|--------|--------|--------|--------|

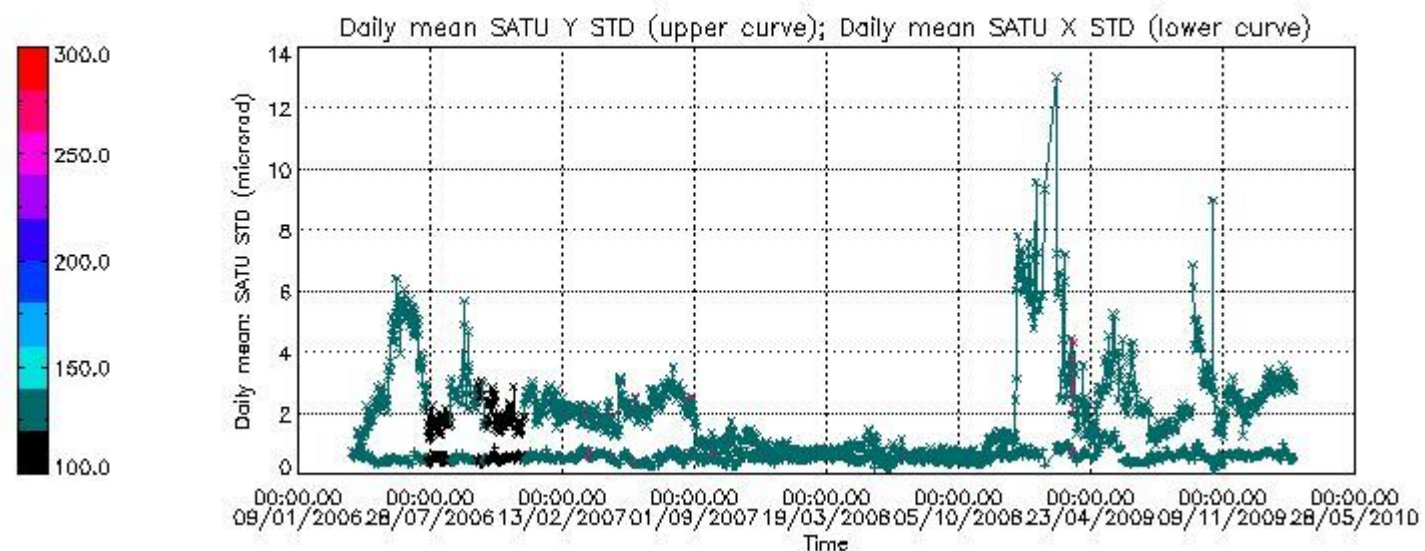
7.2.2 Trend of daily SATU NEA St. deviation since 1st April 2006 (dark limb)

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

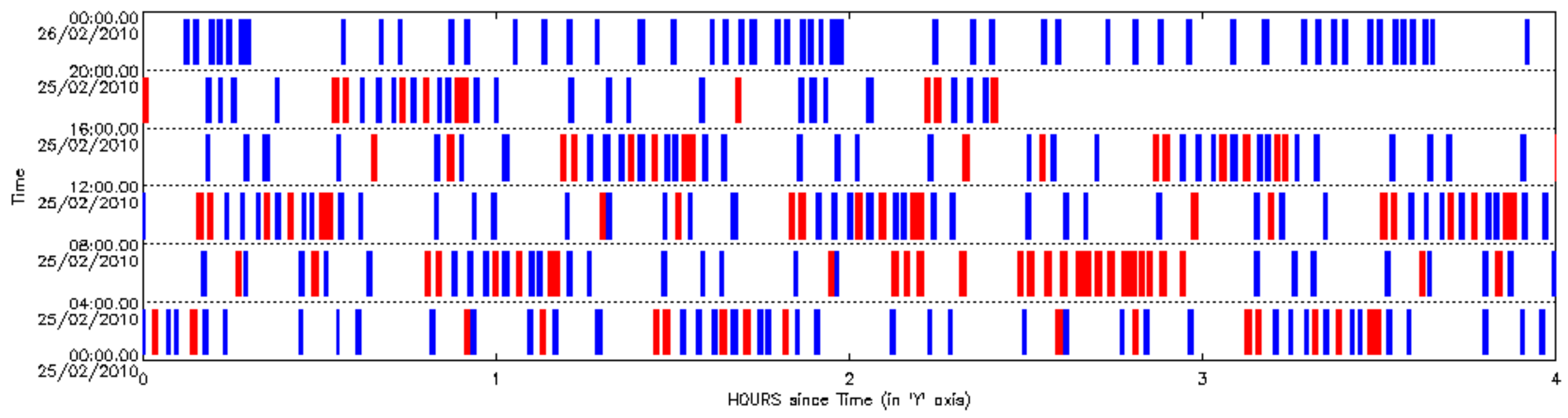
Lower curve: STD of SATU X axis

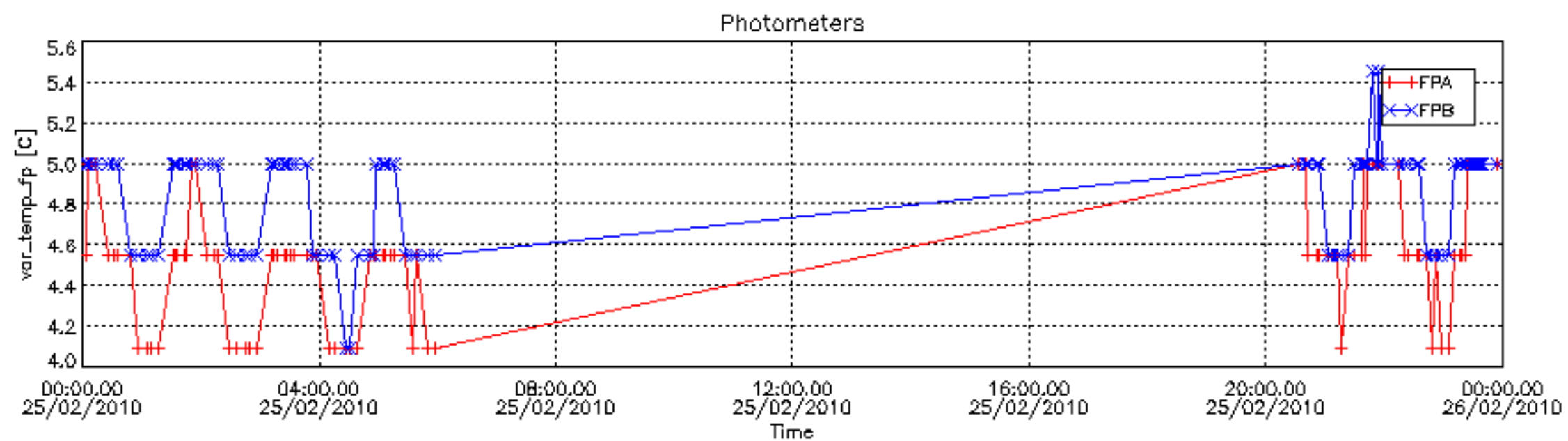
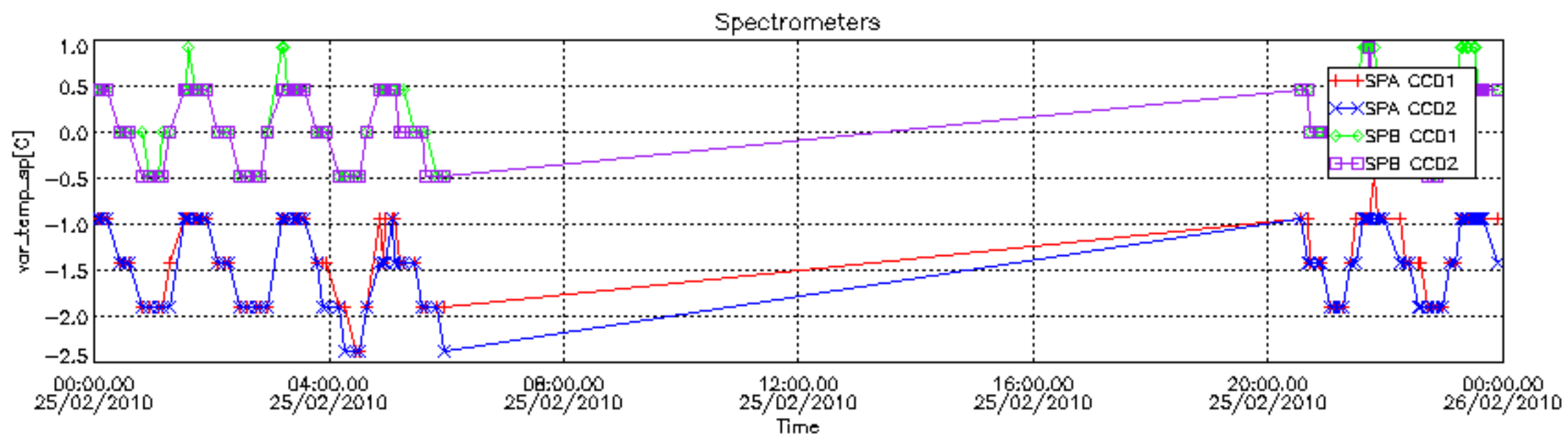


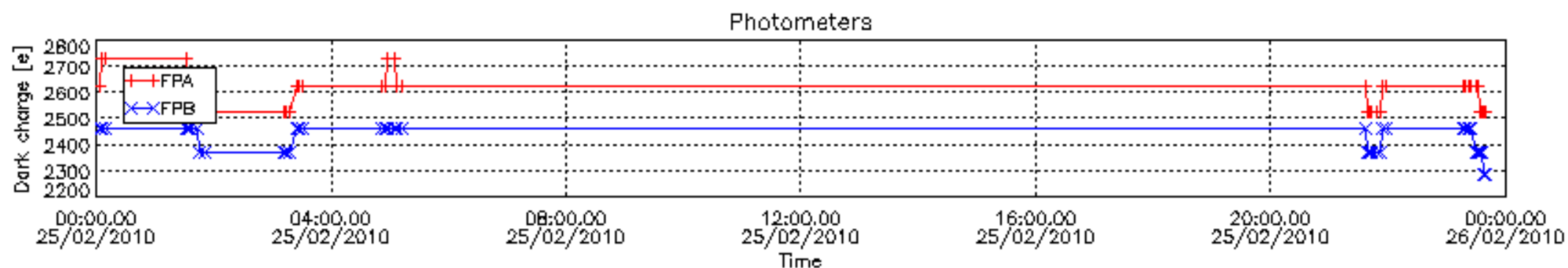
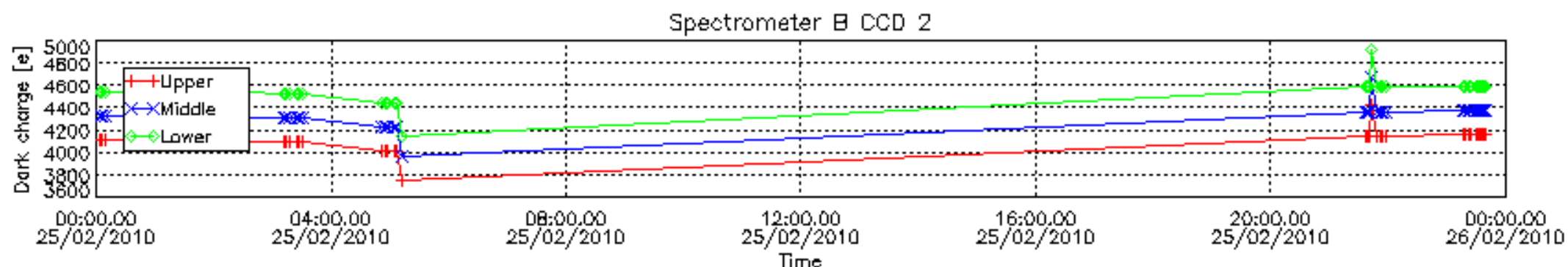
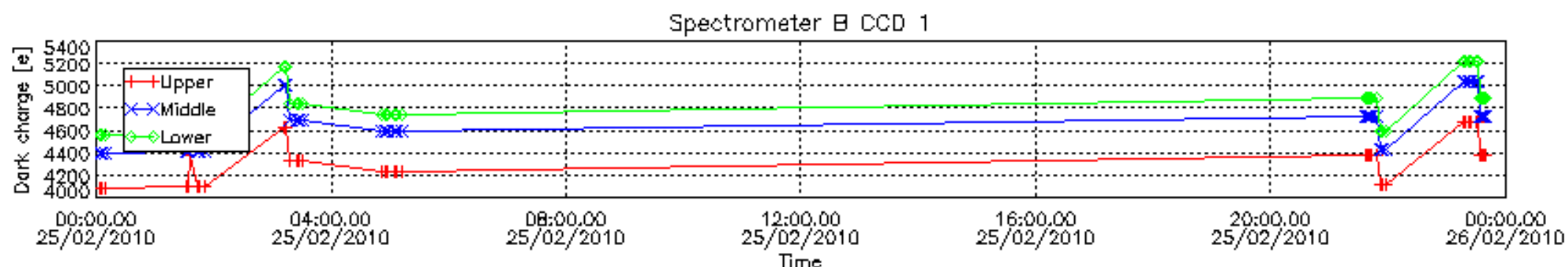
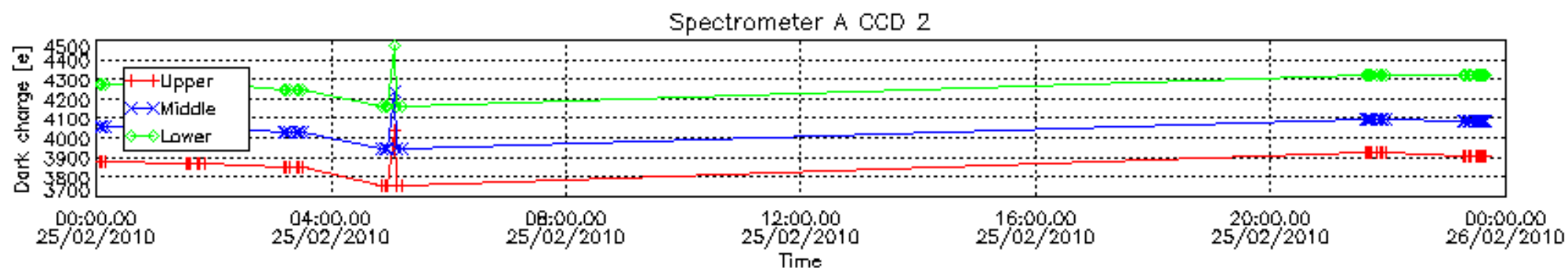
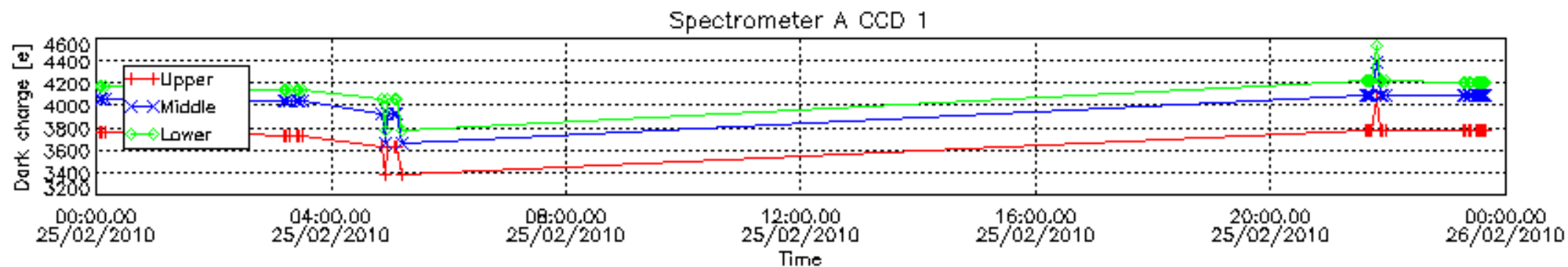
8. Auxiliary Data Files used for the production reported in section 2.4

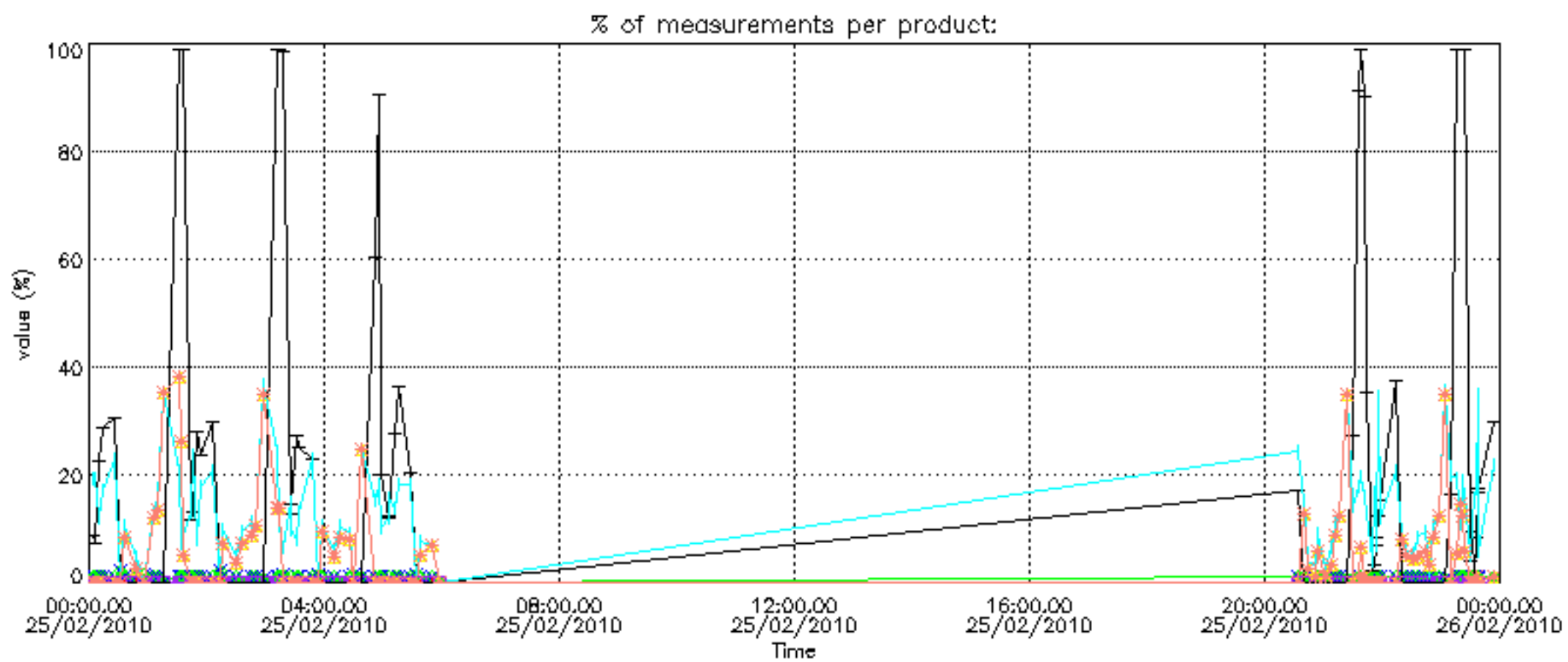
The number reported in the third column indicates since which file (see list in section 2.4) the corresponding auxiliary file has been used. The fourth column is the date of those product files.

| Type | Auxiliary Filename | Used since product | Used since product date |
|---------------------------|--|--------------------|-------------------------|
| INST_PHYS_CHARACTERISTICS | GOM_INS_AXVIEC20091111_143220_20030716_120000_20500101_000000 | 1 | 25-FEB-2010 00:03:48 |
| CALIBRATION_DATABASE | GOM_CAL_AXVIEC20100223_152102_20100221_000000_20500101_000000 | 1 | 25-FEB-2010 00:03:48 |
| LEVEL-1B_PROC_CONFIG | GOM_PR1_AXVIEC20091111_145255_20020301_000000_20500101_000000 | 1 | 25-FEB-2010 00:03:48 |
| STAR_CATALOGUE | GOM_CAT_AXVIEC20020121_161009_20020101_000000_20200101_000000 | 1 | 25-FEB-2010 00:03:48 |
| STELLAR_SPECTRA_DATABANK | GOM_STS_AXVIEC20091111_151504_20020101_160000_20500101_000000 | 1 | 25-FEB-2010 00:03:48 |
| ECMWF_FILE | AUX_ECF_AXNECM20100224_052555_20100224_210000_20100225_090000 | 1 | 25-FEB-2010 00:03:48 |
| ECMWF_FILE | AUX_ECA_AXNECM20100225_082948_20100224_210000_20100225_090000 | 40 | 25-FEB-2010 04:26:27 |
| ECMWF_FILE | AUX_ECF_AXNECM20100225_082949_20100225_150000_20100226_030000 | 55 | 25-FEB-2010 20:33:31 |
| ECMWF_FILE | AUX_ECF_AXNECM20100225_082950_20100225_210000_20100226_090000 | 65 | 25-FEB-2010 21:29:31 |
| OPTIONAL_ECMWF_FILE | MISSING | 1 | 25-FEB-2010 00:03:48 |
| ORBIT_DATA_FILE | DOR_NAV_OPNPDE20100224_234345_000057382087_00130_41767_9827.N1 | 1 | 25-FEB-2010 00:03:48 |
| ORBIT_DATA_FILE | DOR_NAV_OPNPDE20100225_011923_000044632087_00131_41768_9828.N1 | 13 | 25-FEB-2010 01:31:18 |
| ORBIT_DATA_FILE | DOR_NAV_OPNPDE20100225_023905_000054192087_00132_41769_9829.N1 | 25 | 25-FEB-2010 02:45:52 |
| ORBIT_DATA_FILE | DOR_NAV_OPNPDE20100225_041443_000057382087_00133_41770_9830.N1 | 40 | 25-FEB-2010 04:26:27 |
| ORBIT_DATA_FILE | DOR_NAV_OPNPDE20100225_201624_000038252087_00143_41780_9831.N1 | 55 | 25-FEB-2010 20:33:31 |
| ORBIT_DATA_FILE | DOR_NAV_OPNPDE20100225_212528_000060572087_00143_41780_9832.N1 | 65 | 25-FEB-2010 21:29:31 |
| ORBIT_DATA_FILE | DOR_NAV_OPNPDE20100225_231144_000057382087_00144_41781_9833.N1 | 87 | 25-FEB-2010 23:16:48 |

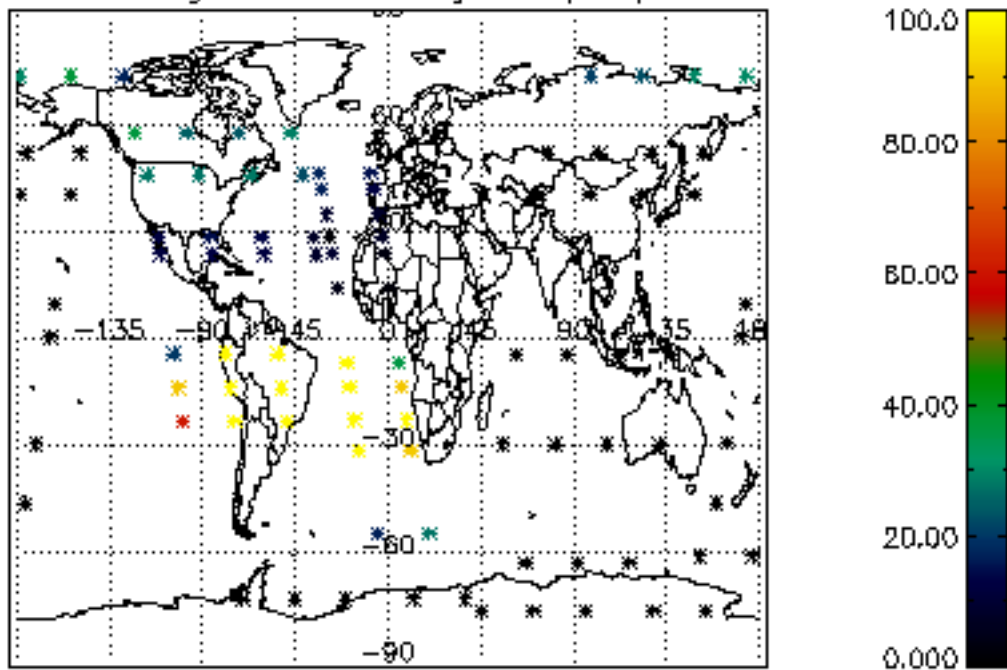




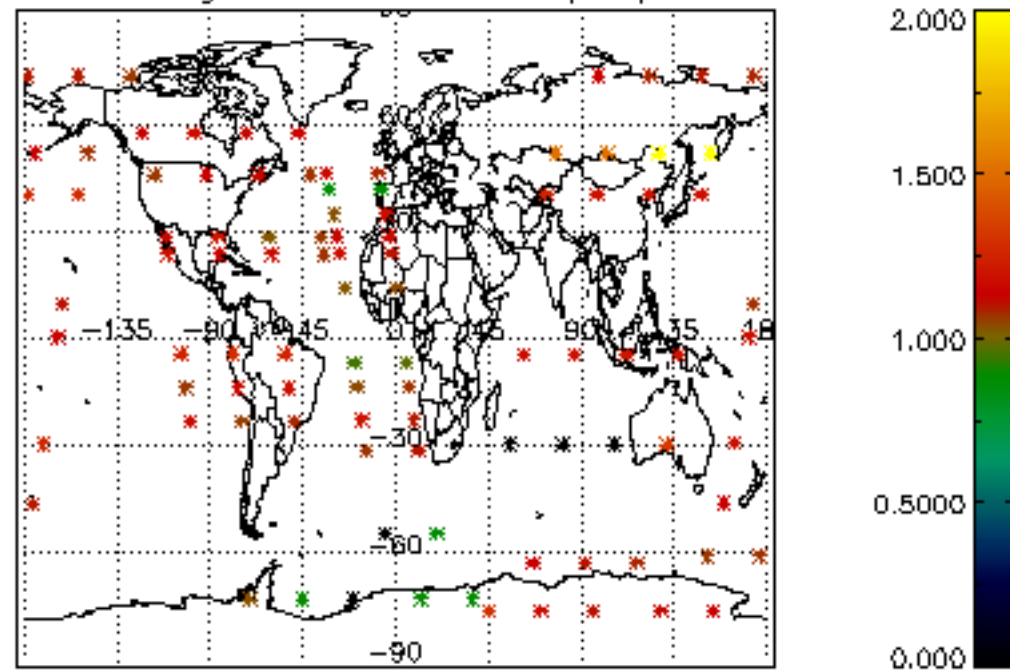




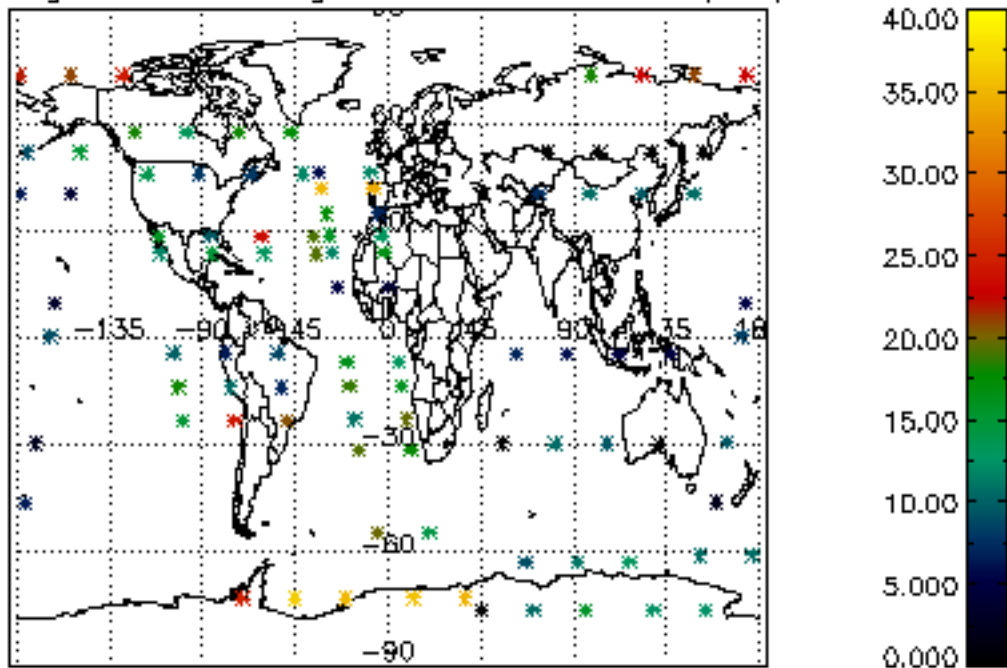
Percentage of cosmic ray hits per profile



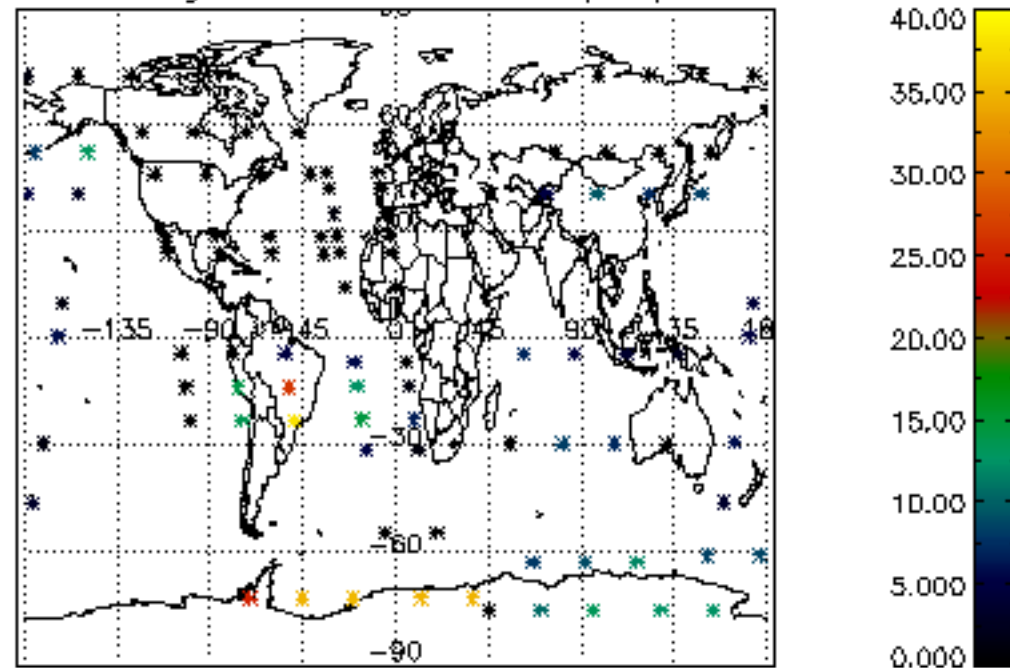
Percentage of datation errors per profile



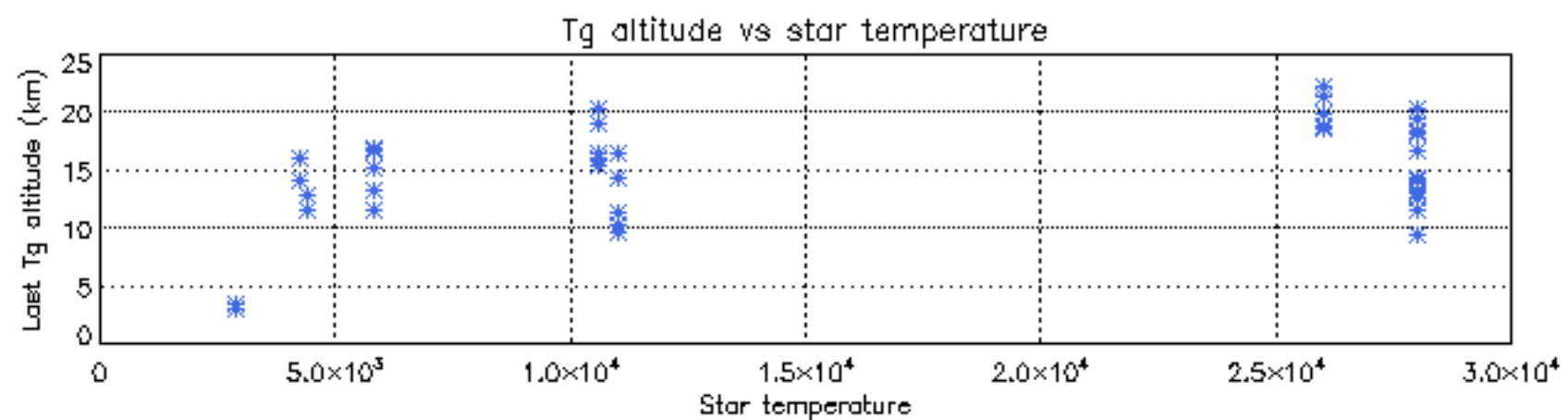
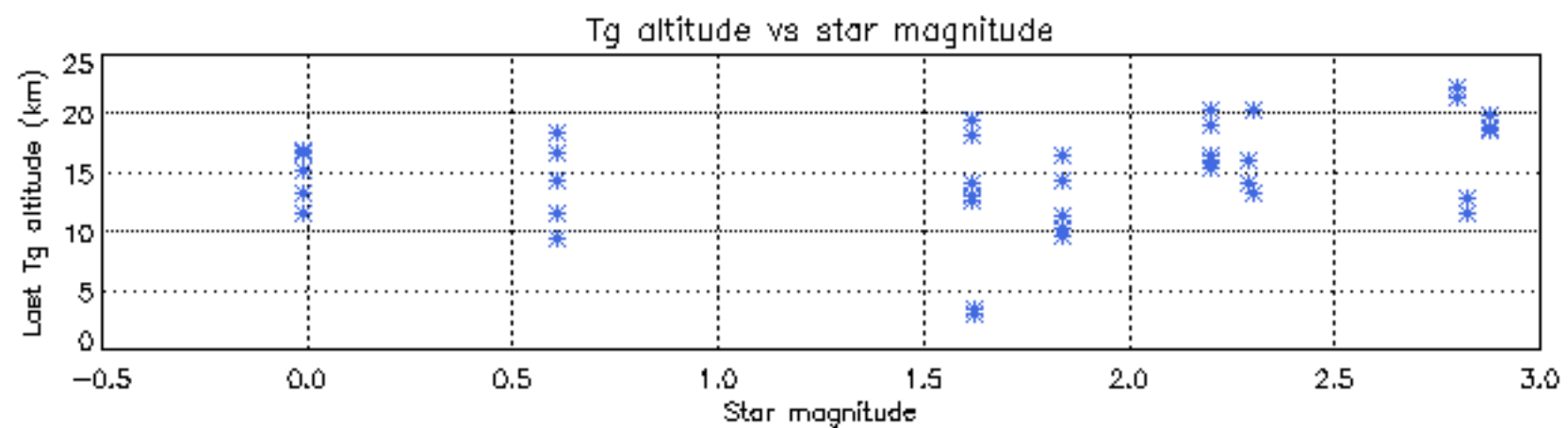
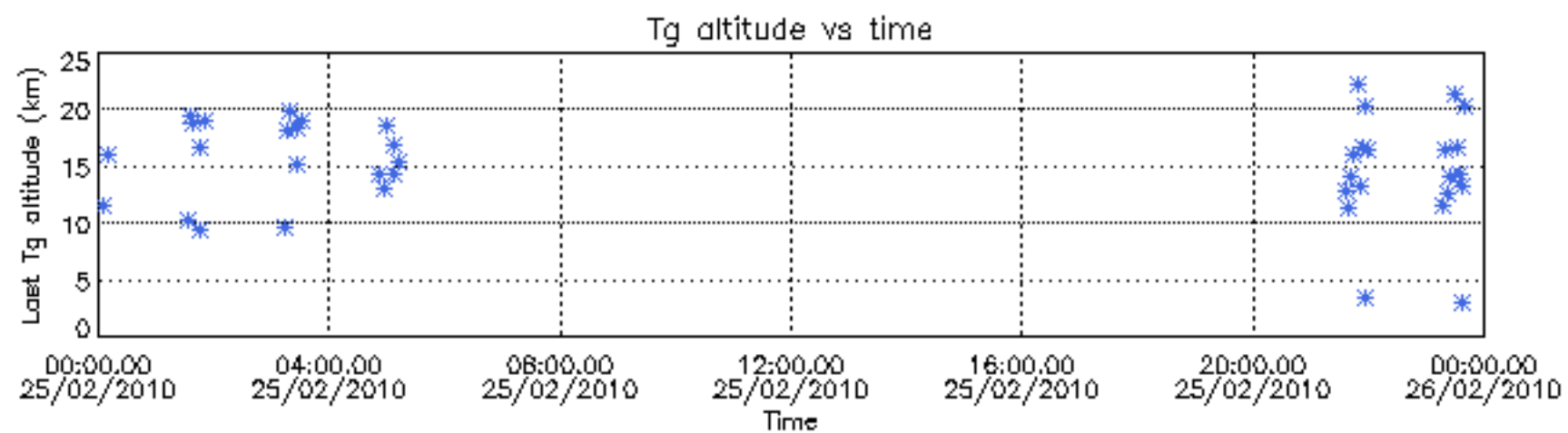
Percentage of star falling outside central band per profile



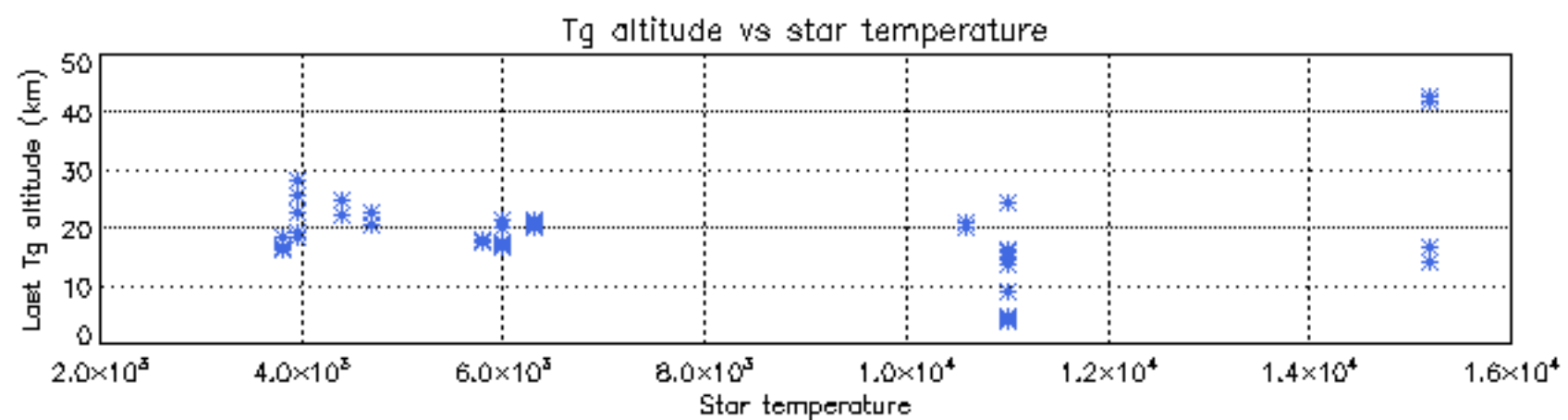
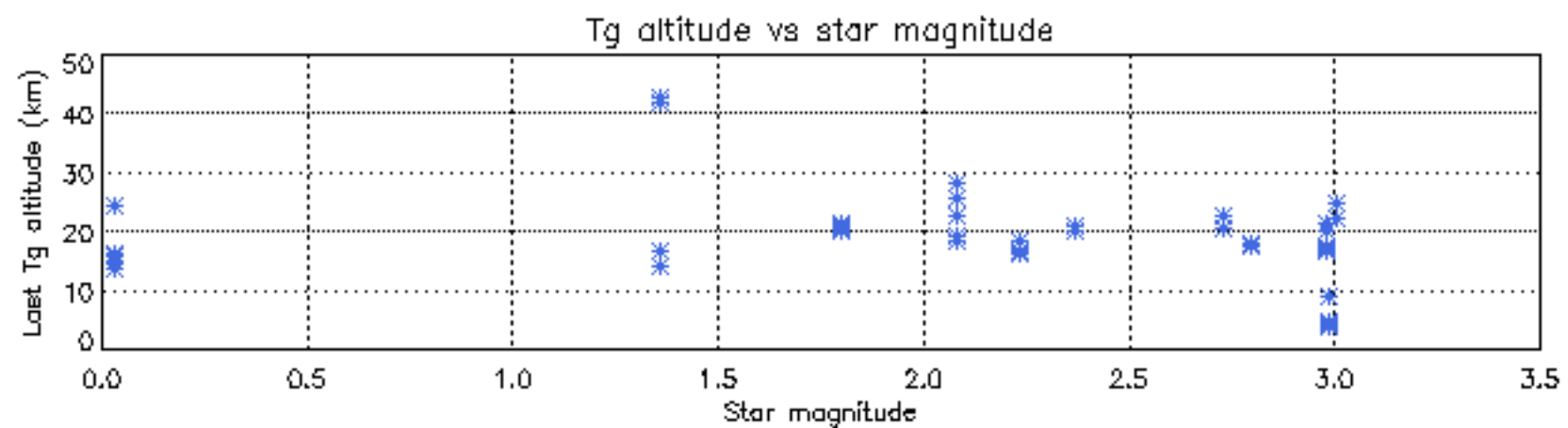
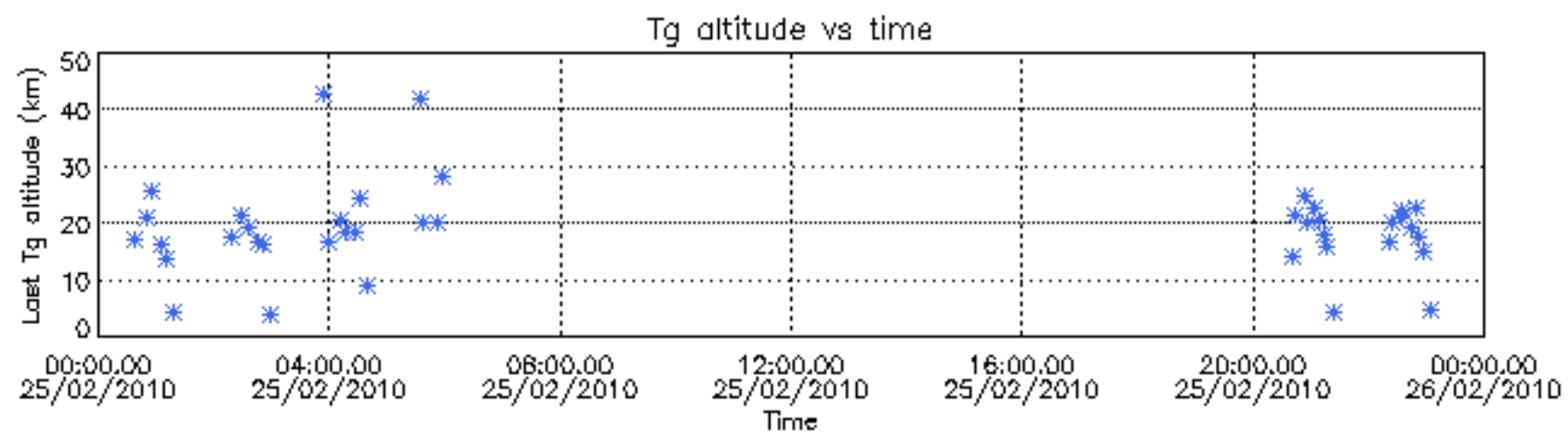
Percentage of saturation errors per profile

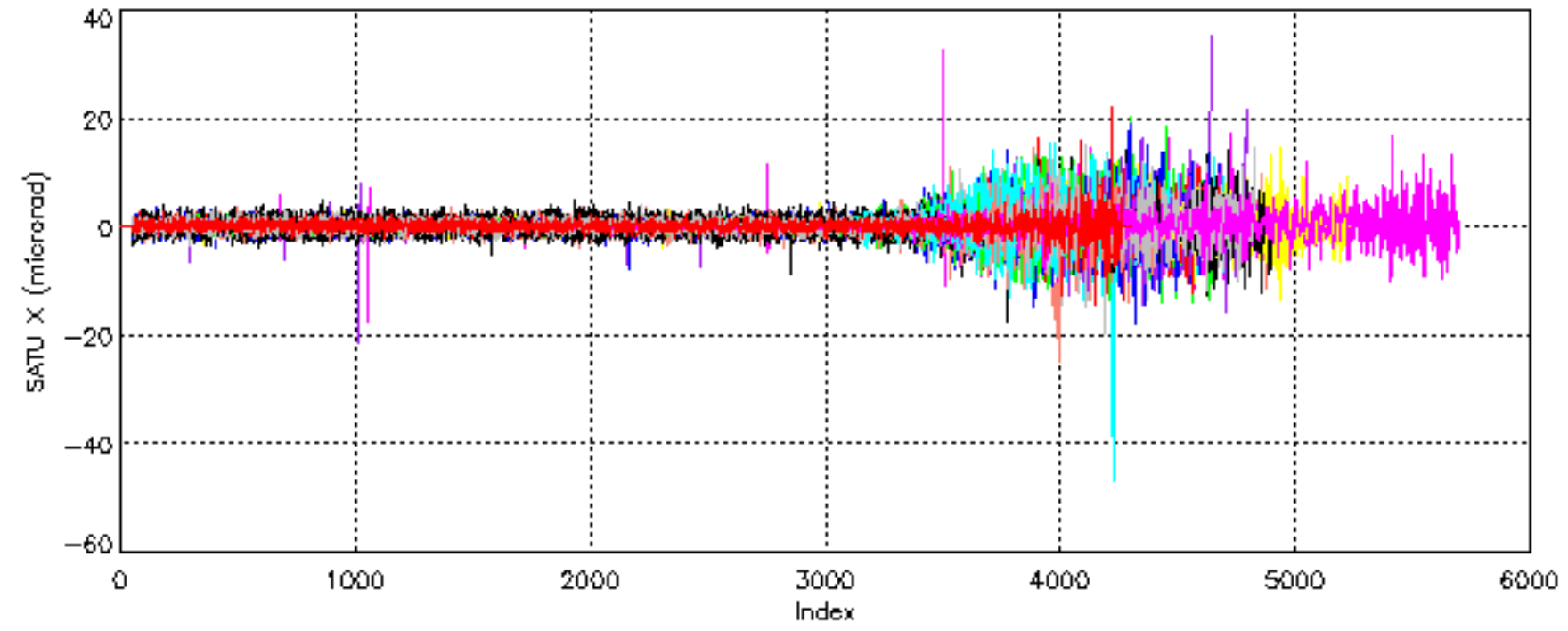


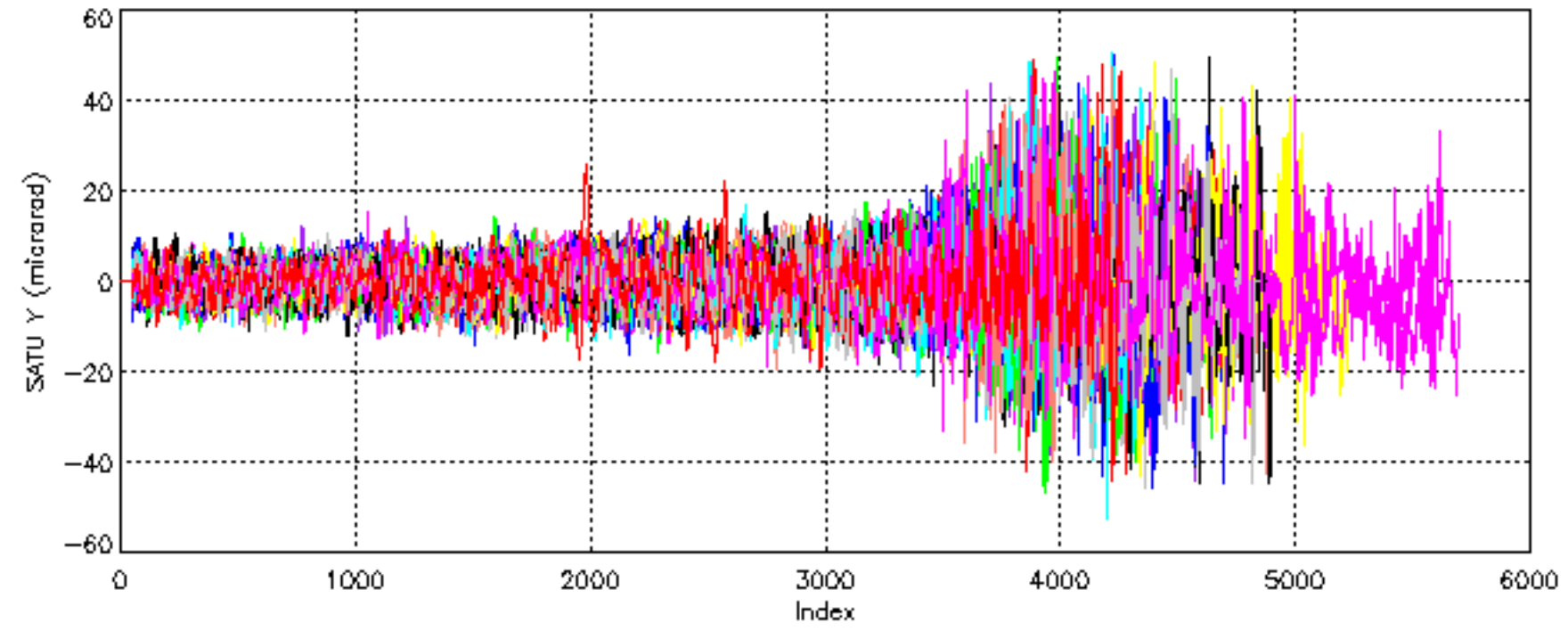
Tangent altitude at which the star is lost

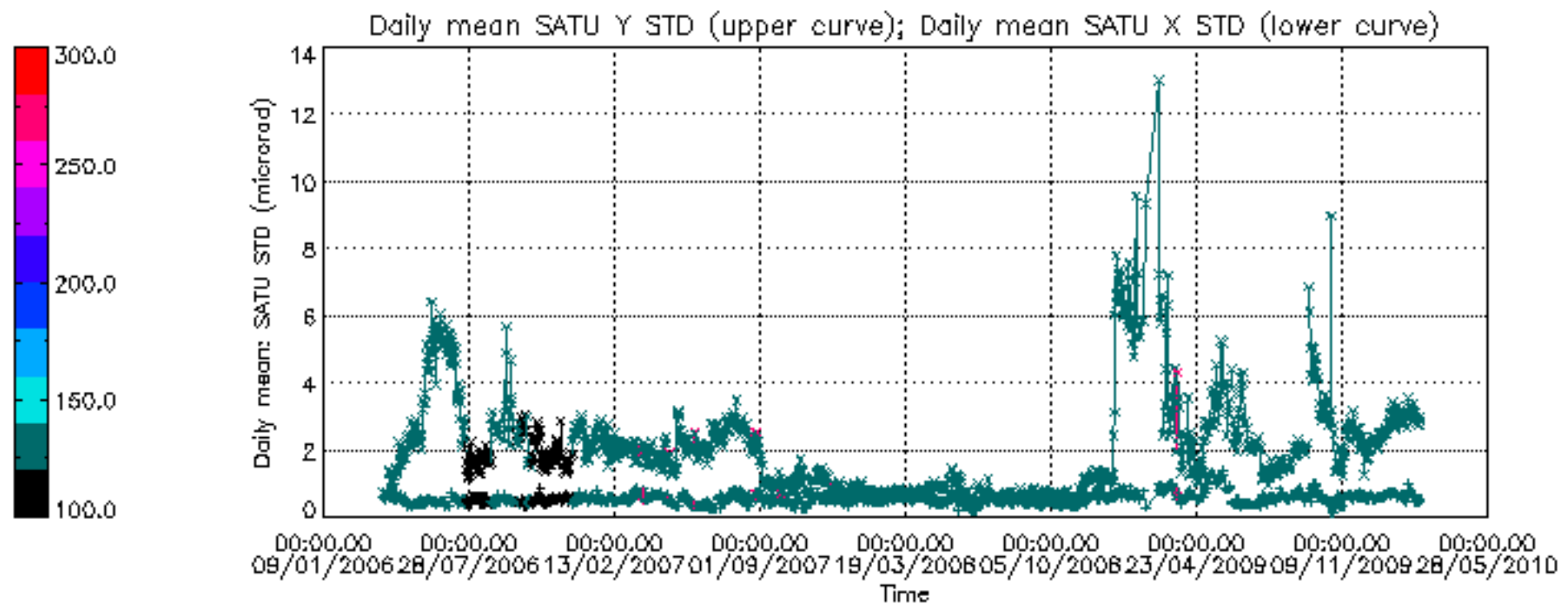


Tangent altitude at which the star is lost









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 2; -463.4; 01-FEB-2010 00:44:06; Dark ; 49.0; 16; 21Alp Sco ; 1.02; 3000;occ; 98; 0;41424
 3; -116.1; 01-FEB-2010 00:49:54; Dark ; 42.0; 131; Gam Lup ; 2.80; 26000;occ; 84; 0;41424
 4; 17.5; 01-FEB-2010 00:52:07; Dark ; 45.0; 109; Bet Lup ; 2.68; 26000;occ; 90; 0;41425
 5; 106.9; 01-FEB-2010 00:53:37; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;41425
 6; 194.7; 01-FEB-2010 00:55:04; Dark ; 49.0; 4; Alp1Cen ;-0.01; 5800;occ; 98; 0;41425
 7; 311.1; 01-FEB-2010 00:57:01; Dark ; 42.0; 77; Eps Cen ; 2.30; 28000;occ; 84; 0;41425
 8; 470.4; 01-FEB-2010 00:59:40; Dark ; 50.0; 12; Alp1Cru ; 0.77; 30000;occ; 100; 0;41425
 9; 591.6; 01-FEB-2010 01:01:41; Dark ; 45.0; 99; Del Cen ; 2.58; 26000;occ; 90; 0;41425
 10; 708.5; 01-FEB-2010 01:03:38; Dark ; 42.0; 159; Ups Car ; 2.92; 7200;occ; 84; 0;41425
 11; 823.9; 01-FEB-2010 01:05:34; Dark ; 44.0; 71; Iot Car ; 2.25; 7700;occ; 88; 0;41425
 12; 928.5; 01-FEB-2010 01:07:18; Dark ; 38.5; 46; Del Vel ; 1.95; 10600;occ; 77; 0;41425
 13; 1080.0; 01-FEB-2010 01:09:50; Dark ; 38.5; 34; Gam2Vel ; 1.79; 23000;occ; 77; 0;41425
 14; 1205.0; 01-FEB-2010 01:11:55; Dark ; 39.0; 70; Zet Pup ; 2.25; 39000;occ; 78; 0;41425
 15; 1467.4; 01-FEB-2010 01:16:17; Dark ; 42.5; 132; 15Rho Pup ; 2.80; 6900;occ; 85; 0;41425
 16; 1992.9; 01-FEB-2010 01:25:03; Dark ; 45.0; 8; 10Alp CMi ; 0.40; 6500;occ; 90; 0;41425
 17; 2341.1; 01-FEB-2010 01:30:51; Bright; 38.0; 170; 27Eps Gem ; 3.00; 9700;occ; 76; 0;41425
 18; 2455.8; 01-FEB-2010 01:32:46; Bright; 39.5; 24; 66Alp Gem ; 1.58; 10200;occ; 79; 0;41425
 19; 3427.8; 01-FEB-2010 01:48:58; Bright; 32.5; 49; 1Alp UMi ; 1.99; 6300;occ; 65; 0;41425
 20; 3613.3; 01-FEB-2010 01:52:03; Bright; 41.0; 60; 7Bet UMi ; 2.08; 3950;occ; 82; 0;41425
 21; 3896.6; 01-FEB-2010 01:56:46; Bright; 39.0; 119; 14Eta Dra ; 2.73; 4700;occ; 78; 0;41425
 22; 4087.0; 01-FEB-2010 01:59:57; Bright; 37.0; 130; 23Bet Dra ; 2.80; 5800;occ; 74; 0;41425
 23; 4304.9; 01-FEB-2010 02:03:35; Bright; 34.5; 5; 3Alp Lyr ; 0.03; 11000;occ; 69; 0;41425
 24; 4797.7; 01-FEB-2010 02:11:48; Bright; 55.0; 59; 55Alp Oph ; 2.08; 8900;occ; 110; 0;41425
 25; 4925.7; 01-FEB-2010 02:13:55; Bright; 53.5; 126; 60Bet Oph ; 2.77; 4250;occ; 107; 0;41425

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 2; -721.4; 01-FEB-2010 02:20:24; Dark ; 44.5; 86; 35Eta Oph ; 2.43; 10200;occ; 89; 0;41425
 3; -462.6; 01-FEB-2010 02:24:43; Dark ; 53.0; 16; 21Alp Sco ; 1.02; 3000;occ; 106; 0;41425
 4; -378.9; 01-FEB-2010 02:26:07; Dark ; 44.5; 158; 6Pi Sco ; 2.91; 28000;occ; 89; 0;41425
 5; -115.5; 01-FEB-2010 02:30:30; Dark ; 43.0; 131; Gam Lup ; 2.80; 26000;occ; 86; 0;41425
 6; 18.5; 01-FEB-2010 02:32:44; Dark ; 45.0; 109; Bet Lup ; 2.68; 26000;occ; 90; 0;41426
 7; 107.6; 01-FEB-2010 02:34:13; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;41426
 8; 195.5; 01-FEB-2010 02:35:41; Dark ; 42.5; 4; Alp1Cen ;-0.01; 5800;occ; 85; 0;41426
 9; 312.2; 01-FEB-2010 02:37:38; Dark ; 42.5; 77; Eps Cen ; 2.30; 28000;occ; 85; 0;41426
 10; 470.9; 01-FEB-2010 02:40:17; Dark ; 44.0; 12; Alp1Cru ; 0.77; 30000;occ; 88; 0;41426
 11; 592.5; 01-FEB-2010 02:42:18; Dark ; 44.0; 99; Del Cen ; 2.58; 26000;occ; 88; 0;41426
 12; 709.0; 01-FEB-2010 02:44:15; Dark ; 38.0; 159; Ups Car ; 2.92; 7200;occ; 76; 0;41426
 13; 824.1; 01-FEB-2010 02:46:10; Dark ; 41.0; 71; Iot Car ; 2.25; 7700;occ; 82; 0;41426
 14; 929.0; 01-FEB-2010 02:47:55; Dark ; 42.5; 46; Del Vel ; 1.95; 10600;occ; 85; 0;41426
 15; 1080.4; 01-FEB-2010 02:50:26; Dark ; 42.5; 34; Gam2Vel ; 1.79; 23000;occ; 85; 0;41426
 16; 1205.4; 01-FEB-2010 02:52:31; Dark ; 41.5; 70; Zet Pup ; 2.25; 39000;occ; 83; 0;41426
 17; 1467.2; 01-FEB-2010 02:56:53; Dark ; 42.5; 132; 15Rho Pup ; 2.80; 6900;occ; 85; 0;41426
 18; 1993.0; 01-FEB-2010 03:05:39; Dark ; 50.0; 8; 10Alp CMi ; 0.40; 6500;occ; 100; 0;41426
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 20; 2455.9; 01-FEB-2010 03:13:22; Bright; 39.5; 24; 66Alp Gem ; 1.58; 10200;occ; 79; 0;41426
 21; 3427.9; 01-FEB-2010 03:29:34; Bright; 37.5; 49; 1Alp UMi ; 1.99; 6300;occ; 75; 0;41426

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 2; -2139.8; 01-FEB-2010 03:37:22; Bright; 43.0; 119; 14Eta Dra ; 2.73; 4700;occ; 86; 0;41426
 3; -1949.0; 01-FEB-2010 03:40:33; Bright; 35.0; 130; 23Bet Dra ; 2.80; 5800;occ; 70; 0;41426
 4; -1731.1; 01-FEB-2010 03:44:11; Bright; 35.0; 5; 3Alp Lyr ; 0.03; 11000;occ; 70; 0;41426
 5; -1238.0; 01-FEB-2010 03:52:24; Bright; 37.0; 59; 55Alp Oph ; 2.08; 8900;occ; 74; 0;41426
 6; -1110.0; 01-FEB-2010 03:54:32; Bright; 42.5; 126; 60Bet Oph ; 2.77; 4250;occ; 85; 0;41426
 7; -720.8; 01-FEB-2010 04:01:01; Dark ; 45.5; 86; 35Eta Oph ; 2.43; 10200;occ; 91; 0;41426
 8; -462.1; 01-FEB-2010 04:05:20; Dark ; 50.0; 16; 21Alp Sco ; 1.02; 3000;occ; 100; 0;41426
 9; -378.0; 01-FEB-2010 04:06:44; Dark ; 44.0; 158; 6Pi Sco ; 2.91; 28000;occ; 88; 0;41426
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 11; 108.3; 01-FEB-2010 04:14:50; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;41427
 12; 196.0; 01-FEB-2010 04:16:18; Dark ; 54.5; 4; Alp1Cen ;-0.01; 5800;occ; 109; 0;41427
 13; 312.7; 01-FEB-2010 04:18:14; Dark ; 43.0; 77; Eps Cen ; 2.30; 28000;occ; 86; 0;41427
 14; 471.4; 01-FEB-2010 04:20:53; Dark ; 48.0; 12; Alp1Cru ; 0.77; 30000;occ; 96; 0;41427
 15; 593.0; 01-FEB-2010 04:22:55; Dark ; 49.0; 99; Del Cen ; 2.58; 26000;occ; 98; 0;41427
 16; 709.3; 01-FEB-2010 04:24:51; Dark ; 38.5; 159; Ups Car ; 2.92; 7200;occ; 77; 0;41427
 17; 824.6; 01-FEB-2010 04:26:46; Dark ; 43.5; 71; Iot Car ; 2.25; 7700;occ; 87; 0;41427
 18; 929.4; 01-FEB-2010 04:28:31; Dark ; 42.5; 46; Del Vel ; 1.95; 10600;occ; 85; 0;41427
 19; 1080.4; 01-FEB-2010 04:31:02; Dark ; 43.0; 34; Gam2Vel ; 1.79; 23000;occ; 86; 0;41427


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21; 1467.8; 01-FEB-2010 04:37:29; Dark ; 42.0; 132; 15Rho Pup ; 2.80; 6900;occ; 84; 0;41427
22; 1992.7; 01-FEB-2010 04:46:14; Dark ; 50.0; 8; 10Alp CMi ; 0.40; 6500;occ; 100; 0;41427
23; 2341.6; 01-FEB-2010 04:52:03; Bright; 36.0; 170; 27Eps Gem ; 3.00; 9700;occ; 72; 0;41427
24; 2455.7; 01-FEB-2010 04:53:57; Bright; 38.5; 24; 66Alp Gem ; 1.58; 10200;occ; 77; 0;41427
25; 3427.6; 01-FEB-2010 05:10:09; Bright; 35.0; 49; 1Alp UMi ; 1.99; 6300;occ; 70; 0;41427
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4; -1730.8; 01-FEB-2010 05:24:47; Bright; 36.5; 5; 3Alp Lyr ; 0.03; 11000;occ; 73; 0;41427
5; -1237.8; 01-FEB-2010 05:33:00; Bright; 37.5; 59; 55Alp Oph ; 2.08; 8900;occ; 75; 0;41427
6; -1109.8; 01-FEB-2010 05:35:08; Bright; 36.5; 126; 60Bet Oph ; 2.77; 4250;occ; 73; 0;41427
7; -720.4; 01-FEB-2010 05:41:37; Dark ; 46.0; 86; 35Eta Oph ; 2.43; 10200;occ; 92; 0;41427
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9; -377.3; 01-FEB-2010 05:47:20; Dark ; 45.5; 158; 6Pi Sco ; 2.91; 28000;occ; 91; 0;41427
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11; 109.0; 01-FEB-2010 05:55:27; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;41428
12; 196.6; 01-FEB-2010 05:56:54; Dark ; 45.0; 4; Alp1Cen ; -0.01; 5800;occ; 90; 0;41428
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16; 709.7; 01-FEB-2010 06:05:27; Dark ; 38.0; 159; Ups Car ; 2.92; 7200;occ; 76; 0;41428
17; 824.7; 01-FEB-2010 06:07:22; Dark ; 45.5; 71; Iot Car ; 2.25; 7700;occ; 91; 0;41428
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19; 1080.5; 01-FEB-2010 06:11:38; Dark ; 42.0; 34; Gam2Vel ; 1.79; 23000;occ; 84; 0;41428
20; 1205.9; 01-FEB-2010 06:13:44; Dark ; 41.5; 70; Zet Pup ; 2.25; 39000;occ; 83; 0;41428
21; 1468.0; 01-FEB-2010 06:18:06; Dark ; 42.5; 132; 15Rho Pup ; 2.80; 6900;occ; 85; 0;41428
22; 1992.9; 01-FEB-2010 06:26:51; Dark ; 52.0; 8; 10Alp CMi ; 0.40; 6500;occ; 104; 0;41428
23; 2341.7; 01-FEB-2010 06:32:39; Bright; 36.5; 170; 27Eps Gem ; 3.00; 9700;occ; 73; 0;41428
24; 2455.4; 01-FEB-2010 06:34:33; Bright; 39.0; 24; 66Alp Gem ; 1.58; 10200;occ; 78; 0;41428
25; 3427.8; 01-FEB-2010 06:50:45; Bright; 35.5; 49; 1Alp UMi ; 1.99; 6300;occ; 71; 0;41428
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2; 931.8; 01-FEB-2010 19:33:57; Dark ; 42.0; 46; Del Vel ; 1.95; 10600;occ; 84; 0;41436
3; 1082.8; 01-FEB-2010 19:36:28; Dark ; 42.0; 34; Gam2Vel ; 1.79; 23000;occ; 84; 0;41436
4; 1207.6; 01-FEB-2010 19:38:33; Dark ; 40.5; 70; Zet Pup ; 2.25; 39000;occ; 81; 0;41436
5; 1469.4; 01-FEB-2010 19:42:54; Dark ; 42.0; 132; 15Rho Pup ; 2.80; 6900;occ; 84; 0;41436
6; 1993.0; 01-FEB-2010 19:51:38; Dark ; 49.0; 8; 10Alp CMi ; 0.40; 6500;occ; 98; 0;41436
7; 2342.8; 01-FEB-2010 19:57:28; Bright; 38.5; 170; 27Eps Gem ; 3.00; 9700;occ; 77; 0;41436
8; 2454.7; 01-FEB-2010 19:59:20; Bright; 54.0; 24; 66Alp Gem ; 1.58; 10200;occ; 108; 0;41436
9; 3427.8; 01-FEB-2010 20:15:33; Bright; 35.0; 49; 1Alp UMi ; 1.99; 6300;occ; 70; 0;41436
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11; 3894.5; 01-FEB-2010 20:23:20; Bright; 41.0; 119; 14Eta Dra ; 2.73; 4700;occ; 82; 0;41436
12; 4086.8; 01-FEB-2010 20:26:32; Bright; 41.0; 130; 23Bet Dra ; 2.80; 5800;occ; 82; 0;41436
13; 4306.4; 01-FEB-2010 20:30:12; Bright; 36.0; 5; 3Alp Lyr ; 0.03; 11000;occ; 72; 0;41436
14; 4800.8; 01-FEB-2010 20:38:26; Bright; 55.0; 59; 55Alp Oph ; 2.08; 8900;occ; 110; 0;41436
15; 4929.3; 01-FEB-2010 20:40:34; Bright; 36.0; 126; 60Bet Oph ; 2.77; 4250;occ; 72; 0;41436
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2; -454.9; 01-FEB-2010 20:51:26; Dark ; 48.5; 16; 21Alp Sco ; 1.02; 3000;occ; 97; 0;41436
3; -368.9; 01-FEB-2010 20:52:52; Dark ; 47.5; 158; 6Pi Sco ; 2.91; 28000;occ; 95; 0;41436
4; -106.3; 01-FEB-2010 20:57:15; Dark ; 42.0; 131; Gam Lup ; 2.80; 26000;occ; 84; 0;41436
5; 28.2; 01-FEB-2010 20:59:29; Dark ; 45.0; 109; Bet Lup ; 2.68; 26000;occ; 90; 0;41437
6; 115.3; 01-FEB-2010 21:00:56; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;41437
7; 201.2; 01-FEB-2010 21:02:22; Dark ; 41.5; 4; Alp1Cen ; -0.01; 5800;occ; 83; 0;41437
8; 320.5; 01-FEB-2010 21:04:22; Dark ; 40.5; 77; Eps Cen ; 2.30; 28000;occ; 81; 0;41437
9; 476.6; 01-FEB-2010 21:06:58; Dark ; 42.0; 12; Alp1Cru ; 0.77; 30000;occ; 84; 0;41437
10; 600.9; 01-FEB-2010 21:09:02; Dark ; 45.0; 99; Del Cen ; 2.58; 26000;occ; 90; 0;41437
11; 712.4; 01-FEB-2010 21:10:53; Dark ; 39.5; 159; Ups Car ; 2.92; 7200;occ; 79; 0;41437
12; 827.5; 01-FEB-2010 21:12:49; Dark ; 38.5; 71; Iot Car ; 2.25; 7700;occ; 77; 0;41437
13; 932.2; 01-FEB-2010 21:14:33; Dark ; 41.0; 46; Del Vel ; 1.95; 10600;occ; 82; 0;41437
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15; 1207.7; 01-FEB-2010 21:19:09; Dark ; 42.0; 70; Zet Pup ; 2.25; 39000;occ; 84; 0;41437
16; 1469.8; 01-FEB-2010 21:23:31; Dark ; 43.0; 132; 15Rho Pup ; 2.80; 6900;occ; 86; 0;41437
17; 1993.0; 01-FEB-2010 21:32:14; Dark ; 46.5; 8; 10Alp CMi ; 0.40; 6500;occ; 93; 0;41437

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18; 2342.7; 01-FEB-2010 21:38:04; Bright; 52.0; 170; 27Eps Gem ; 3.00; 9700;occ; 104; 0;41437
 19; 2454.7; 01-FEB-2010 21:39:56; Bright; 38.5; 24; 66Alp Gem ; 1.58; 10200;occ; 77; 0;41437
 20; 3427.9; 01-FEB-2010 21:56:09; Bright; 35.0; 49; 1Alp UMi ; 1.99; 6300;occ; 70; 0;41437
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 23; 4086.7; 01-FEB-2010 22:07:08; Bright; 39.0; 130; 23Bet Dra ; 2.80; 5800;occ; 78; 0;41437
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 6; 3428.3; 02-FEB-2010 16:22:44; Bright; 37.5; 49; 1Alp UMi ; 1.99; 6300;occ; 75; 0;41448
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 8; 3892.4; 02-FEB-2010 16:30:28; Bright; 44.0; 119; 14Eta Dra ; 2.73; 4700;occ; 88; 0;41448
 9; 4086.6; 02-FEB-2010 16:33:43; Bright; 40.5; 130; 23Bet Dra ; 2.80; 5800;occ; 81; 0;41448
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 23; 6971.5; 02-FEB-2010 17:21:47; Dark ; 39.5; 46; Del Vel ; 1.95; 10600;occ; 79; 0;41448
 24; 7121.7; 02-FEB-2010 17:24:18; Dark ; 41.0; 34; Gam2Vel ; 1.79; 23000;occ; 82; 0;41448

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 23; 4935.1; 03-FEB-2010 02:51:27; Bright; 55.0; 126; 60Bet Oph ; 2.77; 4250;occ; 110; 0;41454
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 28; 6164.1; 03-FEB-2010 03:11:56; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;41454
 29; 6247.3; 03-FEB-2010 03:13:19; Dark ; 42.5; 4; Alp1Cen ; -0.01; 5800;occ; 85; 0;41454
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 31; 6522.3; 03-FEB-2010 03:17:54; Dark ; 44.0; 12; Alp1Cru ; 0.77; 30000;occ; 88; 0;41454
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 33; 6754.3; 03-FEB-2010 03:21:46; Dark ; 36.5; 159; Ups Car ; 2.92; 7200;occ; 73; 0;41454
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13; 616.6; 03-FEB-2010 06:41:16; Dark ; 45.5; 99; Del Cen ; 2.58; 26000;occ; 91; 0;41457
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3; 1214.3; 03-FEB-2010 20:16:01; Dark ; 40.5; 70; Zet Pup ; 2.25; 39000;occ; 81; 0;41465
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7; 3428.3; 03-FEB-2010 20:52:55; Bright; 35.5; 49; 1Alp UMi ; 1.99; 6300;occ; 71; 0;41465
8; 3603.3; 03-FEB-2010 20:55:50; Bright; 41.5; 60; 7Bet UMi ; 2.08; 3950;occ; 83; 0;41465
9; 3889.0; 03-FEB-2010 21:00:36; Bright; 39.0; 119; 14Eta Dra ; 2.73; 4700;occ; 78; 0;41465
10; 4086.1; 03-FEB-2010 21:03:53; Bright; 40.5; 130; 23Bet Dra ; 2.80; 5800;occ; 81; 0;41465
11; 4310.2; 03-FEB-2010 21:07:37; Bright; 38.5; 5; 3Alp Lyr ; 0.03; 11000;occ; 77; 0;41465
12; 4810.1; 03-FEB-2010 21:15:57; Bright; 38.5; 59; 55Alp Oph ; 2.08; 8900;occ; 77; 0;41465
13; 4938.9; 03-FEB-2010 21:18:06; Bright; 54.5; 126; 60Bet Oph ; 2.77; 4250;occ; 109; 0;41465
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3; -341.2; 03-FEB-2010 21:30:41; Dark ; 47.0; 158; 6Pi Sco ; 2.91; 28000;occ; 94; 0;41465
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20; 3888.8; 03-FEB-2010 22:41:11; Bright; 41.0; 119; 14Eta Dra ; 2.73; 4700;occ; 82; 0;41466
21; 4086.2; 03-FEB-2010 22:44:29; Bright; 41.0; 130; 23Bet Dra ; 2.80; 5800;occ; 82; 0;41466
22; 4310.4; 03-FEB-2010 22:48:13; Bright; 36.0; 5; 3Alp Lyr ; 0.03; 11000;occ; 72; 0;41466
23; 4810.1; 03-FEB-2010 22:56:33; Bright; 56.0; 59; 55Alp Oph ; 2.08; 8900;occ; 112; 0;41466
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6; 291.8; 03-FEB-2010 23:21:50; Dark ; 42.5; 10; Bet Cen ; 0.61; 28000;occ; 85; 0;41467
7; 492.8; 03-FEB-2010 23:25:11; Dark ; 45.5; 12; Alp1Cru ; 0.77; 30000;occ; 91; 0;41467
8; 624.3; 03-FEB-2010 23:27:23; Dark ; 45.0; 99; Del Cen ; 2.58; 26000;occ; 90; 0;41467
9; 722.1; 03-FEB-2010 23:29:01; Dark ; 39.0; 159; Ups Car ; 2.92; 7200;occ; 78; 0;41467
10; 837.2; 03-FEB-2010 23:30:56; Dark ; 42.5; 71; Iot Car ; 2.25; 7700;occ; 85; 0;41467
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9; -25.4; 03-FEB-2010 08:11:10; Dark ; 59.0; 0; ; 0.00; 0;occ; 118; 0;41457
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16; 834.4; 03-FEB-2010 08:25:30; Dark ; 39.5; 71; Iot Car ; 2.25; 7700;occ; 79; 0;41458
17; 938.0; 03-FEB-2010 08:27:13; Dark ; 39.5; 46; Del Vel ; 1.95; 10600;occ; 79; 0;41458
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19; 1212.7; 03-FEB-2010 08:31:48; Dark ; 43.0; 70; Zet Pup ; 2.25; 39000;occ; 86; 0;41458
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3; 3428.1; 03-FEB-2010 09:08:43; Bright; 35.5; 49; 1Alp UMi ; 1.99; 6300;occ; 71; 0;41458

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12; 5687.6; 03-FEB-2010 09:46:23; Dark ; 46.5; 158; 6Pi Sco ; 2.91; 28000;occ; 93; 0;41458
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14; 6084.8; 03-FEB-2010 09:53:00; Dark ; 46.0; 109; Bet Lup ; 2.68; 26000;occ; 92; 0;41458
15; 6166.9; 03-FEB-2010 09:54:22; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;41458
16; 6249.5; 03-FEB-2010 09:55:45; Dark ; 41.5; 4; Alp1Cen ;-0.01; 5800;occ; 83; 0;41458
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22; 6974.2; 03-FEB-2010 10:07:49; Dark ; 42.5; 46; Del Vel ; 1.95; 10600;occ; 85; 0;41458
23; 7127.5; 03-FEB-2010 10:10:23; Dark ; 46.0; 65; Lam Vel ; 2.20; 4400;occ; 92; 0;41458
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3; 3428.2; 03-FEB-2010 10:49:19; Bright; 37.5; 49; 1Alp UMi ; 1.99; 6300;occ; 75; 0;41459
4; 3604.8; 03-FEB-2010 10:52:16; Bright; 41.5; 60; 7Bet UMi ; 2.08; 3950;occ; 83; 0;41459
5; 3890.1; 03-FEB-2010 10:57:01; Bright; 41.5; 119; 14Eta Dra ; 2.73; 4700;occ; 83; 0;41459
6; 4086.4; 03-FEB-2010 11:00:18; Bright; 36.5; 130; 23Bet Dra ; 2.80; 5800;occ; 73; 0;41459
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9; 4936.8; 03-FEB-2010 11:14:28; Bright; 55.0; 126; 60Bet Oph ; 2.77; 4250;occ; 110; 0;41459
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11; 5597.7; 03-FEB-2010 11:25:29; Dark ; 61.0; 16; 21Alp Sco ; 1.02; 3000;occ; 122; 0;41459
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23; 7248.6; 03-FEB-2010 11:53:00; Dark ; 41.5; 70; Zet Pup ; 2.25; 39000;occ; 83; 0;41459
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4; 3428.0; 03-FEB-2010 12:29:55; Bright; 37.0; 49; 1Alp UMi ; 1.99; 6300;occ; 74; 0;41460
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8; 4309.6; 03-FEB-2010 12:44:37; Bright; 35.5; 5; 3Alp Lyr ; 0.03; 11000;occ; 71; 0;41460
9; 4808.2; 03-FEB-2010 12:52:55; Bright; 56.0; 59; 55Alp Oph ; 2.08; 8900;occ; 112; 0;41460
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17; 6525.4; 03-FEB-2010 13:21:32; Dark ; 43.0; 12; Alp1Cru ; 0.77; 30000;occ; 86; 0;41460
18; 6655.4; 03-FEB-2010 13:23:42; Dark ; 44.0; 99; Del Cen ; 2.58; 26000;occ; 88; 0;41460
19; 6755.9; 03-FEB-2010 13:25:23; Dark ; 37.0; 159; Ups Car ; 2.92; 7200;occ; 74; 0;41460
20; 6871.0; 03-FEB-2010 13:27:18; Dark ; 37.5; 71; Iot Car ; 2.25; 7700;occ; 75; 0;41460


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17; 3601.9; 04-FEB-2010 06:59:24; Bright; 35.5; 60; 7Bet UMi ; 2.08; 3950;occ; 71; 0;41471
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 6; 300.3; 04-FEB-2010 22:50:22; Dark ; 43.0; 10; Bet Cen ; 0.61; 28000;occ; 86; 0;41481
 7; 634.9; 04-FEB-2010 22:55:56; Dark ; 45.0; 99; Del Cen ; 2.58; 26000;occ; 90; 0;41481
 8; 943.9; 04-FEB-2010 23:01:05; Dark ; 40.5; 46; Del Vel ; 1.95; 10600;occ; 81; 0;41481
 9; 1098.8; 04-FEB-2010 23:03:40; Dark ; 45.5; 65; Lam Vel ; 2.20; 4400;occ; 91; 0;41481
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16; 4944.4; 05-FEB-2010 00:07:46; Bright; 48.0; 126; 60Bet Oph ; 2.77; 4250;occ; 96; 0;41481
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13; 6977.9; 04-FEB-2010 09:36:16; Dark ; 39.5; 46; Del Vel ; 1.95; 10600;occ; 79; 0;41472
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 9; 5608.6; 04-FEB-2010 10:54:03; Dark ; 61.0; 16; 21Alp Sco ; 1.02; 3000;occ; 122; 0;41473
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 5; 4085.6; 04-FEB-2010 12:09:15; Bright; 38.5; 130; 23Bet Dra ; 2.80; 5800;occ; 77; 0;41474
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 3; -312.3; 05-FEB-2010 00:20:45; Dark ; 41.5; 40; The Sco ; 1.86; 7100;occ; 83; 0;41481
 4; -68.6; 05-FEB-2010 00:24:49; Dark ; 44.0; 131; Gam Lup ; 2.80; 26000;occ; 88; 0;41481
 5; 147.6; 05-FEB-2010 00:28:25; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;41482
 6; 300.7; 05-FEB-2010 00:30:58; Dark ; 52.5; 10; Bet Cen ; 0.61; 28000;occ; 105; 0;41482
 7; 635.4; 05-FEB-2010 00:36:33; Dark ; 44.0; 99; Del Cen ; 2.58; 26000;occ; 88; 0;41482
 8; 841.2; 05-FEB-2010 00:39:58; Dark ; 41.0; 71; Iot Car ; 2.25; 7700;occ; 82; 0;41482
 9; 944.3; 05-FEB-2010 00:41:42; Dark ; 41.5; 46; Del Vel ; 1.95; 10600;occ; 83; 0;41482
 10; 1099.0; 05-FEB-2010 00:44:16; Dark ; 45.0; 65; Lam Vel ; 2.20; 4400;occ; 90; 0;41482
 11; 1218.0; 05-FEB-2010 00:46:15; Dark ; 41.0; 70; Zet Pup ; 2.25; 39000;occ; 82; 0;41482
 12; 1477.6; 05-FEB-2010 00:50:35; Dark ; 41.0; 132; 15Rho Pup ; 2.80; 6900;occ; 82; 0;41482
 13; 1994.7; 05-FEB-2010 00:59:12; Dark ; 51.0; 8; 10Alp CMi ; 0.40; 6500;occ; 102; 0;41482
 14; 2387.1; 05-FEB-2010 01:05:44; Bright; 41.0; 17; 78Bet Gem ; 1.16; 4500;occ; 82; 0;41482
 15; 3599.1; 05-FEB-2010 01:25:56; Bright; 41.5; 60; 7Bet UMi ; 2.08; 3950;occ; 83; 0;41482
 16; 3885.5; 05-FEB-2010 01:30:43; Bright; 43.5; 119; 14Eta Dra ; 2.73; 4700;occ; 87; 0;41482
 17; 4085.4; 05-FEB-2010 01:34:03; Bright; 37.0; 130; 23Bet Dra ; 2.80; 5800;occ; 74; 0;41482
 18; 4815.0; 05-FEB-2010 01:46:12; Bright; 39.0; 59; 55Alp Oph ; 2.08; 8900;occ; 78; 0;41482
 19; 4944.9; 05-FEB-2010 01:48:22; Bright; 40.0; 126; 60Bet Oph ; 2.77; 4250;occ; 80; 0;41482

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 3; -311.7; 05-FEB-2010 02:01:21; Dark ; 44.0; 40; The Sco ; 1.86; 7100;occ; 88; 0;41482
 4; -67.6; 05-FEB-2010 02:05:25; Dark ; 47.0; 131; Gam Lup ; 2.80; 26000;occ; 94; 0;41482
 5; 148.4; 05-FEB-2010 02:09:01; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;41483
 6; 301.4; 05-FEB-2010 02:11:35; Dark ; 47.0; 10; Bet Cen ; 0.61; 28000;occ; 94; 0;41483
 7; 636.4; 05-FEB-2010 02:17:09; Dark ; 43.0; 99; Del Cen ; 2.58; 26000;occ; 86; 0;41483
 8; 944.6; 05-FEB-2010 02:22:18; Dark ; 47.0; 46; Del Vel ; 1.95; 10600;occ; 94; 0;41483
 9; 1099.4; 05-FEB-2010 02:24:52; Dark ; 45.5; 65; Lam Vel ; 2.20; 4400;occ; 91; 0;41483
 10; 1218.3; 05-FEB-2010 02:26:51; Dark ; 42.0; 70; Zet Pup ; 2.25; 39000;occ; 84; 0;41483
 11; 1994.8; 05-FEB-2010 02:39:48; Dark ; 46.5; 8; 10Alp CMi ; 0.40; 6500;occ; 93; 0;41483
 12; 2387.0; 05-FEB-2010 02:46:20; Bright; 41.0; 17; 78Bet Gem ; 1.16; 4500;occ; 82; 0;41483
 13; 3598.7; 05-FEB-2010 03:06:32; Bright; 40.5; 60; 7Bet UMi ; 2.08; 3950;occ; 81; 0;41483
 14; 3885.6; 05-FEB-2010 03:11:19; Bright; 4.5; 119; 14Eta Dra ; 2.73; 4700;occ; 9; 0;41483

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 3; -1723.3; 05-FEB-2010 03:18:26; Bright; 37.0; 5; 3Alp Lyr ; 0.03; 11000;occ; 74; 0;41483
 4; -689.9; 05-FEB-2010 03:35:39; Dark ; 42.5; 86; 35Eta Oph ; 2.43; 10200;occ; 85; 0;41483
 5; -419.8; 05-FEB-2010 03:40:09; Dark ; 53.5; 16; 21Alp Sco ; 1.02; 3000;occ; 107; 0;41483
 6; -311.2; 05-FEB-2010 03:41:58; Dark ; 42.0; 40; The Sco ; 1.86; 7100;occ; 84; 0;41483
 7; 149.1; 05-FEB-2010 03:49:38; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;41484
 8; 302.2; 05-FEB-2010 03:52:11; Dark ; 41.0; 10; Bet Cen ; 0.61; 28000;occ; 82; 0;41484
 9; 636.8; 05-FEB-2010 03:57:46; Dark ; 45.0; 99; Del Cen ; 2.58; 26000;occ; 90; 0;41484
 10; 945.1; 05-FEB-2010 04:02:54; Dark ; 43.5; 46; Del Vel ; 1.95; 10600;occ; 87; 0;41484
 11; 1218.6; 05-FEB-2010 04:07:28; Dark ; 41.0; 70; Zet Pup ; 2.25; 39000;occ; 82; 0;41484
 12; 1995.0; 05-FEB-2010 04:20:24; Dark ; 48.0; 8; 10Alp CMi ; 0.40; 6500;occ; 96; 0;41484
 13; 2387.3; 05-FEB-2010 04:26:56; Bright; 41.0; 17; 78Bet Gem ; 1.16; 4500;occ; 82; 0;41484
 14; 3428.8; 05-FEB-2010 04:44:18; Bright; 36.5; 49; 1Alp UMi ; 1.99; 6300;occ; 73; 0;41484
 15; 3598.5; 05-FEB-2010 04:47:08; Bright; 40.0; 60; 7Bet UMi ; 2.08; 3950;occ; 80; 0;41484

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 3; -1723.1; 05-FEB-2010 04:59:02; Bright; 36.0; 5; 3Alp Lyr ; 0.03; 11000;occ; 72; 0;41484
 4; -1219.9; 05-FEB-2010 05:07:25; Bright; 39.0; 59; 55Alp Oph ; 2.08; 8900;occ; 78; 0;41484
 5; -1090.2; 05-FEB-2010 05:09:35; Bright; 40.0; 126; 60Bet Oph ; 2.77; 4250;occ; 80; 0;41484
 6; -689.3; 05-FEB-2010 05:16:16; Dark ; 45.5; 86; 35Eta Oph ; 2.43; 10200;occ; 91; 0;41484
 7; -418.3; 05-FEB-2010 05:20:47; Dark ; 50.5; 16; 21Alp Sco ; 1.02; 3000;occ; 101; 0;41484
 8; -310.6; 05-FEB-2010 05:22:34; Dark ; 39.5; 40; The Sco ; 1.86; 7100;occ; 79; 0;41484
 9; 149.8; 05-FEB-2010 05:30:15; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;41485
 10; 302.7; 05-FEB-2010 05:32:48; Dark ; 42.0; 10; Bet Cen ; 0.61; 28000;occ; 84; 0;41485
 11; 502.5; 05-FEB-2010 05:36:08; Dark ; 50.0; 12; Alp1Cru ; 0.77; 30000;occ; 100; 0;41485
 12; 637.7; 05-FEB-2010 05:38:23; Dark ; 45.5; 99; Del Cen ; 2.58; 26000;occ; 91; 0;41485
 13; 945.1; 05-FEB-2010 05:43:30; Dark ; 42.5; 46; Del Vel ; 1.95; 10600;occ; 85; 0;41485
 14; 1100.2; 05-FEB-2010 05:46:05; Dark ; 46.5; 65; Lam Vel ; 2.20; 4400;occ; 93; 0;41485
 15; 1478.6; 05-FEB-2010 05:52:24; Dark ; 40.0; 132; 15Rho Pup ; 2.80; 6900;occ; 80; 0;41485
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18; 3598.3; 05-FEB-2010 06:27:43; Bright; 36.0; 60; 7Bet UMi ; 2.08; 3950;occ; 72; 0;41485
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3; 157.1; 05-FEB-2010 22:16:21; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;41495
4; 308.8; 05-FEB-2010 22:18:53; Dark ; 47.5; 10; Bet Cen ; 0.61; 28000;occ; 95; 0;41495
5; 481.2; 05-FEB-2010 22:21:45; Dark ; 47.0; 20; Bet Cru ; 1.25; 30000;occ; 94; 0;41495
6; 564.8; 05-FEB-2010 22:23:09; Dark ; 47.5; 64; Gam Cen ; 2.20; 10600;occ; 95; 0;41495
7; 845.8; 05-FEB-2010 22:27:50; Dark ; 43.0; 71; Iot Car ; 2.25; 7700;occ; 86; 0;41495
8; 948.0; 05-FEB-2010 22:29:32; Dark ; 41.5; 46; Del Vel ; 1.95; 10600;occ; 83; 0;41495
9; 2386.6; 05-FEB-2010 22:53:31; Bright; 38.0; 17; 78Bet Gem ; 1.16; 4500;occ; 76; 0;41495
10; 3428.8; 05-FEB-2010 23:10:53; Bright; 32.5; 49; 1Alp UMi ; 1.99; 6300;occ; 65; 0;41495
11; 3882.8; 05-FEB-2010 23:18:27; Bright; 44.5; 119; 14Eta Dra ; 2.73; 4700;occ; 89; 0;41495
12; 4085.3; 05-FEB-2010 23:21:50; Bright; 40.5; 130; 23Bet Dra ; 2.80; 5800;occ; 81; 0;41495
13; 4819.6; 05-FEB-2010 23:34:04; Bright; 57.0; 59; 55Alp Oph ; 2.08; 8900;occ; 114; 0;41495
14; 4949.8; 05-FEB-2010 23:36:14; Bright; 56.0; 126; 60Bet Oph ; 2.77; 4250;occ; 112; 0;41495
15; 5353.4; 05-FEB-2010 23:42:58; Dark ; 45.0; 86; 35Eta Oph ; 2.43; 10200;occ; 90; 0;41495
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3; 157.8; 05-FEB-2010 23:56:58; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;41496
4; 309.3; 05-FEB-2010 23:59:29; Dark ; 38.5; 10; Bet Cen ; 0.61; 28000;occ; 77; 0;41496
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6; 565.6; 06-FEB-2010 00:03:46; Dark ; 46.0; 64; Gam Cen ; 2.20; 10600;occ; 92; 0;41496
7; 845.6; 06-FEB-2010 00:08:26; Dark ; 40.5; 71; Iot Car ; 2.25; 7700;occ; 81; 0;41496
8; 948.0; 06-FEB-2010 00:10:08; Dark ; 40.5; 46; Del Vel ; 1.95; 10600;occ; 81; 0;41496
9; 1103.9; 06-FEB-2010 00:12:44; Dark ; 45.0; 65; Lam Vel ; 2.20; 4400;occ; 90; 0;41496
10; 2386.5; 06-FEB-2010 00:34:07; Bright; 39.0; 17; 78Bet Gem ; 1.16; 4500;occ; 78; 0;41496
11; 3428.6; 06-FEB-2010 00:51:29; Bright; 38.0; 49; 1Alp UMi ; 1.99; 6300;occ; 76; 0;41496
12; 3882.8; 06-FEB-2010 00:59:03; Bright; 41.0; 119; 14Eta Dra ; 2.73; 4700;occ; 82; 0;41496
13; 4085.0; 06-FEB-2010 01:02:25; Bright; 41.0; 130; 23Bet Dra ; 2.80; 5800;occ; 82; 0;41496
14; 4820.0; 06-FEB-2010 01:14:40; Bright; 41.0; 59; 55Alp Oph ; 2.08; 8900;occ; 82; 0;41496
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3; -1219.6; 05-FEB-2010 06:48:01; Bright; 40.0; 59; 55Alp Oph ; 2.08; 8900;occ; 80; 0;41485
4; -1090.0; 05-FEB-2010 06:50:11; Bright; 56.0; 126; 60Bet Oph ; 2.77; 4250;occ; 112; 0;41485
5; -689.0; 05-FEB-2010 06:56:52; Dark ; 44.0; 86; 35Eta Oph ; 2.43; 10200;occ; 88; 0;41485
6; -417.7; 05-FEB-2010 07:01:23; Dark ; 47.5; 16; 21Alp Sco ; 1.02; 3000;occ; 95; 0;41485
7; -310.4; 05-FEB-2010 07:03:11; Dark ; 41.5; 40; The Sco ; 1.86; 7100;occ; 83; 0;41485
8; -64.8; 05-FEB-2010 07:07:16; Dark ; 46.5; 131; Gam Lup ; 2.80; 26000;occ; 93; 0;41485
9; 150.5; 05-FEB-2010 07:10:52; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;41486
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11; 475.7; 05-FEB-2010 07:16:17; Dark ; 42.5; 20; Bet Cru ; 1.25; 30000;occ; 85; 0;41486
12; 557.2; 05-FEB-2010 07:17:38; Dark ; 47.5; 64; Gam Cen ; 2.20; 10600;occ; 95; 0;41486
13; 842.8; 05-FEB-2010 07:22:24; Dark ; 46.0; 71; Iot Car ; 2.25; 7700;occ; 92; 0;41486
14; 945.8; 05-FEB-2010 07:24:07; Dark ; 41.0; 46; Del Vel ; 1.95; 10600;occ; 82; 0;41486
15; 1218.8; 05-FEB-2010 07:28:40; Dark ; 41.0; 70; Zet Pup ; 2.25; 39000;occ; 82; 0;41486
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3; 3598.1; 05-FEB-2010 08:08:19; Bright; 41.5; 60; 7Bet UMi ; 2.08; 3950;occ; 83; 0;41486
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6; 4946.3; 05-FEB-2010 08:30:47; Bright; 43.5; 126; 60Bet Oph ; 2.77; 4250;occ; 87; 0;41486
7; 5348.0; 05-FEB-2010 08:37:29; Dark ; 45.0; 86; 35Eta Oph ; 2.43; 10200;occ; 90; 0;41486
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9; 5725.9; 05-FEB-2010 08:43:47; Dark ; 46.5; 40; The Sco ; 1.86; 7100;occ; 93; 0;41486
10; 5971.9; 05-FEB-2010 08:47:53; Dark ; 44.5; 131; Gam Lup ; 2.80; 26000;occ; 89; 0;41486
11; 6187.1; 05-FEB-2010 08:51:28; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;41486
12; 6339.8; 05-FEB-2010 08:54:01; Dark ; 42.0; 10; Bet Cen ; 0.61; 28000;occ; 84; 0;41486
13; 6512.2; 05-FEB-2010 08:56:53; Dark ; 41.5; 20; Bet Cru ; 1.25; 30000;occ; 83; 0;41486
14; 6593.9; 05-FEB-2010 08:58:15; Dark ; 46.5; 64; Gam Cen ; 2.20; 10600;occ; 93; 0;41486
15; 6879.3; 05-FEB-2010 09:03:00; Dark ; 45.5; 71; Iot Car ; 2.25; 7700;occ; 91; 0;41486
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8; 6594.5; 05-FEB-2010 10:38:51; Dark ; 46.5; 64; Gam Cen ; 2.20; 10600;occ; 93; 0;41487
9; 6702.9; 05-FEB-2010 10:40:40; Dark ; 38.5; 124; The Car ; 2.76; 30000;occ; 77; 0;41487
10; 6879.2; 05-FEB-2010 10:43:36; Dark ; 44.0; 71; Iot Car ; 2.25; 7700;occ; 88; 0;41487
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12; 7137.0; 05-FEB-2010 10:47:54; Dark ; 47.0; 65; Lam Vel ; 2.20; 4400;occ; 94; 0;41487
13; 7255.2; 05-FEB-2010 10:49:52; Dark ; 40.5; 70; Zet Pup ; 2.25; 39000;occ; 81; 0;41487
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4; 3428.9; 05-FEB-2010 11:26:42; Bright; 35.0; 49; 1Alp UMi ; 1.99; 6300;occ; 70; 0;41488
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6; 3884.3; 05-FEB-2010 11:34:17; Bright; 44.0; 119; 14Eta Dra ; 2.73; 4700;occ; 88; 0;41488
7; 4085.5; 05-FEB-2010 11:37:38; Bright; 40.0; 130; 23Bet Dra ; 2.80; 5800;occ; 80; 0;41488
8; 4313.2; 05-FEB-2010 11:41:26; Bright; 39.0; 5; 3Alp Lyr ; 0.03; 11000;occ; 78; 0;41488
9; 4817.4; 05-FEB-2010 11:49:50; Bright; 41.5; 59; 55Alp Oph ; 2.08; 8900;occ; 83; 0;41488
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12; 5620.9; 05-FEB-2010 12:03:14; Dark ; 62.0; 16; 21Alp Sco ; 1.02; 3000;occ; 124; 0;41488
13; 6188.6; 05-FEB-2010 12:12:41; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;41488
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3;-1214.6; 06-FEB-2010 07:57:05; Bright; 58.0; 59; 55Alp Oph ; 2.08; 8900;occ; 116; 0;41500
4;-1084.0; 06-FEB-2010 07:59:16; Bright; 54.5; 126; 60Bet Oph ; 2.77; 4250;occ; 109; 0;41500
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6; -537.5; 06-FEB-2010 08:08:22; Dark ; 43.5; 167; 10Gam2Sgr ; 2.98; 4500;occ; 87; 0;41500
7; -405.7; 06-FEB-2010 08:10:34; Dark ; 52.5; 16; 21Alp Sco ; 1.02; 3000;occ; 105; 0;41500
8; 312.6; 06-FEB-2010 08:22:32; Dark ; 41.0; 10; Bet Cen ; 0.61; 28000;occ; 82; 0;41501
9; 485.0; 06-FEB-2010 08:25:25; Dark ; 43.0; 20; Bet Cru ; 1.25; 30000;occ; 86; 0;41501
10; 569.9; 06-FEB-2010 08:26:50; Dark ; 45.5; 64; Gam Cen ; 2.20; 10600;occ; 91; 0;41501
11; 846.9; 06-FEB-2010 08:31:27; Dark ; 39.0; 71; Iot Car ; 2.25; 7700;occ; 78; 0;41501
12; 949.2; 06-FEB-2010 08:33:09; Dark ; 38.0; 46; Del Vel ; 1.95; 10600;occ; 76; 0;41501
13; 1105.1; 06-FEB-2010 08:35:45; Dark ; 44.5; 65; Lam Vel ; 2.20; 4400;occ; 89; 0;41501
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3; 3881.6; 06-FEB-2010 09:22:01; Bright; 41.5; 119; 14Eta Dra ; 2.73; 4700;occ; 83; 0;41501
4; 4084.9; 06-FEB-2010 09:25:25; Bright; 40.0; 130; 23Bet Dra ; 2.80; 5800;occ; 80; 0;41501
5; 4821.8; 06-FEB-2010 09:37:42; Bright; 58.0; 59; 55Alp Oph ; 2.08; 8900;occ; 116; 0;41501
6; 4951.9; 06-FEB-2010 09:39:52; Bright; 41.5; 126; 60Bet Oph ; 2.77; 4250;occ; 83; 0;41501
7; 5356.9; 06-FEB-2010 09:46:37; Dark ; 49.0; 86; 35Eta Oph ; 2.43; 10200;occ; 98; 0;41501
8; 5731.4; 06-FEB-2010 09:52:51; Dark ; 48.0; 40; The Sco ; 1.86; 7100;occ; 96; 0;41501
9; 6349.2; 06-FEB-2010 10:03:09; Dark ; 42.0; 10; Bet Cen ; 0.61; 28000;occ; 84; 0;41501
10; 6521.4; 06-FEB-2010 10:06:01; Dark ; 42.0; 20; Bet Cru ; 1.25; 30000;occ; 84; 0;41501
11; 6606.6; 06-FEB-2010 10:07:26; Dark ; 47.5; 64; Gam Cen ; 2.20; 10600;occ; 95; 0;41501
12; 6883.2; 06-FEB-2010 10:12:03; Dark ; 39.0; 71; Iot Car ; 2.25; 7700;occ; 78; 0;41501
13; 6986.8; 06-FEB-2010 10:13:47; Dark ; 43.0; 46; Del Vel ; 1.95; 10600;occ; 86; 0;41501
14; 7141.4; 06-FEB-2010 10:16:21; Dark ; 48.5; 65; Lam Vel ; 2.20; 4400;occ; 97; 0;41501
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3; 3881.3; 06-FEB-2010 11:02:37; Bright; 44.5; 119; 14Eta Dra ; 2.73; 4700;occ; 89; 0;41502
4; 4084.6; 06-FEB-2010 11:06:00; Bright; 42.0; 130; 23Bet Dra ; 2.80; 5800;occ; 84; 0;41502
5; 4822.1; 06-FEB-2010 11:18:18; Bright; 42.0; 59; 55Alp Oph ; 2.08; 8900;occ; 84; 0;41502


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9; 6198.8; 06-FEB-2010 11:41:14; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;41502
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11; 6522.1; 06-FEB-2010 11:46:38; Dark ; 43.0; 20; Bet Cru ; 1.25; 30000;occ; 86; 0;41502
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13; 6883.8; 06-FEB-2010 11:52:40; Dark ; 43.5; 71; Iot Car ; 2.25; 7700;occ; 87; 0;41502
14; 6992.5; 06-FEB-2010 11:54:28; Dark ; 35.5; 46; Del Vel ; 1.95; 10600;occ; 71; 0;41502
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3; -1951.4; 06-FEB-2010 12:46:36; Bright; 40.5; 130; 23Bet Dra ; 2.80; 5800;occ; 81; 0;41503
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5; -1083.1; 06-FEB-2010 13:01:04; Bright; 38.5; 126; 60Bet Oph ; 2.77; 4250;occ; 77; 0;41503
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9; 4083.7; 07-FEB-2010 23:59:10; Bright; 37.5; 130; 23Bet Dra ; 2.80; 5800;occ; 75; 0;41524
10; 4829.5; 08-FEB-2010 00:11:35; Bright; 43.5; 59; 55Alp Oph ; 2.08; 8900;occ; 87; 0;41524
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5; -533.0; 07-FEB-2010 07:36:50; Dark ; 45.0; 167; 10Gam2Sgr ; 2.98; 4500;occ; 90; 0;41514
6; -189.4; 07-FEB-2010 07:42:33; Dark ; 39.5; 147; Alp Ara ; 2.88; 26000;occ; 79; 0;41514

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6; 3859.5; 12-FEB-2010 16:15:32; Bright; 43.5; 119; 14Eta Dra ; 2.73; 4700;occ; 87; 0;41591
7; 4078.6; 12-FEB-2010 16:19:11; Bright; 43.5; 130; 23Bet Dra ; 2.80; 5800;occ; 87; 0;41591
8; 4325.1; 12-FEB-2010 16:23:17; Bright; 41.0; 5; 3Alp Lyr ; 0.03; 11000;occ; 82; 0;41591
9; 4735.1; 12-FEB-2010 16:30:07; Bright; 34.5; 168; 17Zet Aql ; 2.99; 11000;occ; 69; 0;41591
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11; 4990.4; 12-FEB-2010 16:34:23; Bright; 48.0; 126; 60Bet Oph ; 2.77; 4250;occ; 96; 0;41591
12; 5419.1; 12-FEB-2010 16:41:31; Dark ; 48.5; 86; 35Eta Oph ; 2.43; 10200;occ; 97; 0;41591
13; 5569.3; 12-FEB-2010 16:44:02; Dark ; 43.0; 38; 20Eps Sgr ; 1.84; 11000;occ; 86; 0;41591
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3; 2385.7; 12-FEB-2010 17:31:34; Bright; 39.0; 17; 78Bet Gem ; 1.16; 4500;occ; 78; 0;41592
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5; 3568.0; 12-FEB-2010 17:51:16; Bright; 41.0; 60; 7Bet UMi ; 2.08; 3950;occ; 82; 0;41592
6; 3859.1; 12-FEB-2010 17:56:07; Bright; 45.0; 119; 14Eta Dra ; 2.73; 4700;occ; 90; 0;41592
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9; 5420.0; 12-FEB-2010 18:22:08; Dark ; 52.0; 86; 35Eta Oph ; 2.43; 10200;occ; 104; 0;41592
10; 5569.1; 12-FEB-2010 18:24:37; Dark ; 43.5; 38; 20Eps Sgr ; 1.84; 11000;occ; 87; 0;41592
11; 5690.2; 12-FEB-2010 18:26:38; Dark ; 44.5; 25; 35Lam Sco ; 1.62; 28000;occ; 89; 0;41592
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15; 6072.0; 12-FEB-2010 18:33:00; Dark ; 46.0; 131; Gam Lup ; 2.80; 26000;occ; 92; 0;41592
16; 6266.3; 12-FEB-2010 18:36:15; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;41592
17; 6405.0; 12-FEB-2010 18:38:33; Dark ; 43.0; 10; Bet Cen ; 0.61; 28000;occ; 86; 0;41592
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19; 6682.5; 12-FEB-2010 18:43:11; Dark ; 52.5; 64; Gam Cen ; 2.20; 10600;occ; 105; 0;41592
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9; 4735.6; 12-FEB-2010 19:51:20; Bright; 34.0; 168; 17Zet Aql ; 2.99; 11000;occ; 68; 0;41593
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11; 5569.7; 12-FEB-2010 20:05:14; Dark ; 44.0; 38; 20Eps Sgr ; 1.84; 11000;occ; 88; 0;41593
12; 5690.6; 12-FEB-2010 20:07:15; Dark ; 43.5; 25; 35Lam Sco ; 1.62; 28000;occ; 87; 0;41593
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15; 5965.4; 12-FEB-2010 20:11:50; Dark ; 48.5; 141; Bet Ara ; 2.84; 4600;occ; 97; 0;41593
16; 6072.9; 12-FEB-2010 20:13:37; Dark ; 45.5; 131; Gam Lup ; 2.80; 26000;occ; 91; 0;41593
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19; 6594.3; 12-FEB-2010 20:22:19; Dark ; 41.5; 12; Alp1Cru ; 0.77; 30000;occ; 83; 0;41593
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21; 6969.1; 12-FEB-2010 20:28:33; Dark ; 42.0; 91; Kap Vel ; 2.49; 26000;occ; 84; 0;41593

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13; 3430.0; 13-FEB-2010 02:11:58; Bright; 33.0; 49; 1Alp UMi ; 1.99; 6300;occ; 66; 0;41597
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16; 4077.7; 13-FEB-2010 02:22:46; Bright; 42.0; 130; 23Bet Dra ; 2.80; 5800;occ; 84; 0;41597
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19; 4736.1; 13-FEB-2010 02:33:44; Bright; 34.5; 168; 17Zet Aql ; 2.99; 11000;occ; 69; 0;41597
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21; 4993.0; 13-FEB-2010 02:38:01; Bright; 47.0; 126; 60Bet Oph ; 2.77; 4250;occ; 94; 0;41597
22; 5423.6; 13-FEB-2010 02:45:11; Dark ; 48.0; 86; 35Eta Oph ; 2.43; 10200;occ; 96; 0;41597
23; 5570.8; 13-FEB-2010 02:47:39; Dark ; 42.0; 38; 20Eps Sgr ; 1.84; 11000;occ; 84; 0;41597
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31; 6686.1; 13-FEB-2010 03:06:14; Dark ; 55.5; 64; Gam Cen ; 2.20; 10600;occ; 111; 0;41597
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6;-1299.4; 13-FEB-2010 04:14:20; Bright; 34.0; 168; 17Zet Aql ; 2.99; 11000;occ; 68; 0;41598
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20; 6613.1; 15-FEB-2010 10:24:46; Dark ; 48.0; 12; Alp1Cru ; 0.77; 30000;occ; 96; 0;41630
21; 6711.9; 15-FEB-2010 10:26:25; Dark ; 46.0; 64; Gam Cen ; 2.20; 10600;occ; 92; 0;41630
22; 6978.9; 15-FEB-2010 10:30:52; Dark ; 36.5; 91; Kap Vel ; 2.49; 26000;occ; 73; 0;41630
23; 7177.6; 15-FEB-2010 10:34:11; Dark ; 43.0; 65; Lam Vel ; 2.20; 4400;occ; 86; 0;41630
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3; 3556.2; 15-FEB-2010 11:14:25; Bright; 45.0; 60; 7Bet UMi ; 2.08; 3950;occ; 90; 0;41631
4; 4074.1; 15-FEB-2010 11:23:03; Bright; 38.0; 130; 23Bet Dra ; 2.80; 5800;occ; 76; 0;41631
5; 4192.4; 15-FEB-2010 11:25:01; Bright; 34.0; 144; 18Del Cyg ; 2.86; 11000;occ; 68; 0;41631
6; 4328.6; 15-FEB-2010 11:27:18; Bright; 36.5; 5; 3Alp Lyr ; 0.03; 11000;occ; 73; 0;41631
7; 4743.6; 15-FEB-2010 11:34:13; Bright; 33.5; 168; 17Zet Aql ; 2.99; 11000;occ; 67; 0;41631
8; 5010.2; 15-FEB-2010 11:38:39; Dark ; 51.5; 126; 60Bet Oph ; 2.77; 4250;occ; 103; 0;41631
9; 5451.7; 15-FEB-2010 11:46:01; Dark ; 52.0; 86; 35Eta Oph ; 2.43; 10200;occ; 104; 0;41631
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11; 5711.6; 15-FEB-2010 11:50:21; Dark ; 41.0; 25; 35Lam Sco ; 1.62; 28000;occ; 82; 0;41631
12; 5788.1; 15-FEB-2010 11:51:37; Dark ; 44.0; 40; The Sco ; 1.86; 7100;occ; 88; 0;41631
13; 5893.8; 15-FEB-2010 11:53:23; Dark ; 38.0; 147; Alp Ara ; 2.88; 26000;occ; 76; 0;41631
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15; 6111.4; 15-FEB-2010 11:57:00; Dark ; 42.0; 131; Gam Lup ; 2.80; 26000;occ; 84; 0;41631
16; 6215.4; 15-FEB-2010 11:58:44; Dark ; 38.0; 134; Bet TrA ; 2.81; 6600;occ; 76; 0;41631
17; 6296.0; 15-FEB-2010 12:00:05; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;41631
18; 6429.1; 15-FEB-2010 12:02:18; Dark ; 47.0; 10; Bet Cen ; 0.61; 28000;occ; 94; 0;41631
19; 6510.3; 15-FEB-2010 12:03:39; Dark ; 42.5; 77; Eps Cen ; 2.30; 28000;occ; 85; 0;41631
20; 6613.4; 15-FEB-2010 12:05:22; Dark ; 49.0; 12; Alp1Cru ; 0.77; 30000;occ; 98; 0;41631
21; 6712.7; 15-FEB-2010 12:07:02; Dark ; 44.5; 64; Gam Cen ; 2.20; 10600;occ; 89; 0;41631
22; 6979.2; 15-FEB-2010 12:11:28; Dark ; 38.0; 91; Kap Vel ; 2.49; 26000;occ; 76; 0;41631
23; 7178.1; 15-FEB-2010 12:14:47; Dark ; 45.5; 65; Lam Vel ; 2.20; 4400;occ; 91; 0;41631

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3; 3555.9; 15-FEB-2010 12:55:01; Bright; 36.0; 60; 7Bet UMi ; 2.08; 3950;occ; 72; 0;41632
4; 4074.1; 15-FEB-2010 13:03:39; Bright; 43.0; 130; 23Bet Dra ; 2.80; 5800;occ; 86; 0;41632
5; 4192.5; 15-FEB-2010 13:05:37; Bright; 35.0; 144; 18Del Cyg ; 2.86; 11000;occ; 70; 0;41632
6; 4328.7; 15-FEB-2010 13:07:54; Bright; 39.5; 5; 3Alp Lyr ; 0.03; 11000;occ; 79; 0;41632
7; 4744.1; 15-FEB-2010 13:14:49; Bright; 34.0; 168; 17Zet Aql ; 2.99; 11000;occ; 68; 0;41632
8; 5010.9; 15-FEB-2010 13:19:16; Dark ; 51.0; 126; 60Bet Oph ; 2.77; 4250;occ; 102; 0;41632
9; 5452.6; 15-FEB-2010 13:26:37; Dark ; 48.0; 86; 35Eta Oph ; 2.43; 10200;occ; 96; 0;41632
10; 5583.7; 15-FEB-2010 13:28:49; Dark ; 41.0; 38; 20Eps Sgr ; 1.84; 11000;occ; 82; 0;41632
11; 5712.4; 15-FEB-2010 13:30:57; Dark ; 45.0; 25; 35Lam Sco ; 1.62; 28000;occ; 90; 0;41632
12; 5788.7; 15-FEB-2010 13:32:14; Dark ; 50.5; 40; The Sco ; 1.86; 7100;occ; 101; 0;41632
13; 5894.4; 15-FEB-2010 13:33:59; Dark ; 38.0; 147; Alp Ara ; 2.88; 26000;occ; 76; 0;41632
14; 5981.0; 15-FEB-2010 13:35:26; Dark ; 39.5; 141; Bet Ara ; 2.84; 4600;occ; 79; 0;41632
15; 6112.8; 15-FEB-2010 13:37:38; Dark ; 42.0; 131; Gam Lup ; 2.80; 26000;occ; 84; 0;41632
16; 6216.1; 15-FEB-2010 13:39:21; Dark ; 38.5; 134; Bet TrA ; 2.81; 6600;occ; 77; 0;41632
17; 6296.8; 15-FEB-2010 13:40:42; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;41632
18; 6429.9; 15-FEB-2010 13:42:55; Dark ; 51.5; 10; Bet Cen ; 0.61; 28000;occ; 103; 0;41632
19; 6511.0; 15-FEB-2010 13:44:16; Dark ; 44.5; 77; Eps Cen ; 2.30; 28000;occ; 89; 0;41632
20; 6613.9; 15-FEB-2010 13:45:59; Dark ; 41.0; 12; Alp1Cru ; 0.77; 30000;occ; 82; 0;41632
21; 6979.5; 15-FEB-2010 13:52:04; Dark ; 39.0; 91; Kap Vel ; 2.49; 26000;occ; 78; 0;41632
22; 7178.4; 15-FEB-2010 13:55:23; Dark ; 45.0; 65; Lam Vel ; 2.20; 4400;occ; 90; 0;41632

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3; 3556.1; 15-FEB-2010 14:35:37; Bright; 41.5; 60; 7Bet UMi ; 2.08; 3950;occ; 83; 0;41633
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5; 4192.8; 15-FEB-2010 14:46:14; Bright; 33.5; 144; 18Del Cyg ; 2.86; 11000;occ; 67; 0;41633
6; 4328.9; 15-FEB-2010 14:48:30; Bright; 35.0; 5; 3Alp Lyr ; 0.03; 11000;occ; 70; 0;41633
7; 4744.1; 15-FEB-2010 14:55:25; Bright; 33.5; 168; 17Zet Aql ; 2.99; 11000;occ; 67; 0;41633
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9; 5583.9; 15-FEB-2010 15:09:25; Dark ; 43.0; 38; 20Eps Sgr ; 1.84; 11000;occ; 86; 0;41633
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11; 5789.2; 15-FEB-2010 15:12:50; Dark ; 46.5; 40; The Sco ; 1.86; 7100;occ; 93; 0;41633
12; 5894.8; 15-FEB-2010 15:14:36; Dark ; 40.5; 147; Alp Ara ; 2.88; 26000;occ; 81; 0;41633
13; 5981.5; 15-FEB-2010 15:16:02; Dark ; 41.0; 141; Bet Ara ; 2.84; 4600;occ; 82; 0;41633
14; 6089.0; 15-FEB-2010 15:17:50; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;41633
15; 6216.5; 15-FEB-2010 15:19:57; Dark ; 39.0; 134; Bet TrA ; 2.81; 6600;occ; 78; 0;41633
16; 6351.4; 15-FEB-2010 15:22:12; Dark ; 43.5; 4; Alp1Cen ; -0.01; 5800;occ; 87; 0;41633
17; 6430.3; 15-FEB-2010 15:23:31; Dark ; 41.0; 10; Bet Cen ; 0.61; 28000;occ; 82; 0;41633
18; 6511.9; 15-FEB-2010 15:24:53; Dark ; 44.0; 77; Eps Cen ; 2.30; 28000;occ; 88; 0;41633
19; 6714.3; 15-FEB-2010 15:28:15; Dark ; 46.0; 64; Gam Cen ; 2.20; 10600;occ; 92; 0;41633
20; 6959.5; 15-FEB-2010 15:32:20; Dark ; 44.5; 113; Mu Vel ; 2.69; 5000;occ; 89; 0;41633
21; 7178.3; 15-FEB-2010 15:35:59; Dark ; 45.0; 65; Lam Vel ; 2.20; 4400;occ; 90; 0;41633

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3; 3555.8; 15-FEB-2010 16:16:12; Bright; 42.5; 60; 7Bet UMi ; 2.08; 3950;occ; 85; 0;41634
4; 4073.8; 15-FEB-2010 16:24:51; Bright; 38.0; 130; 23Bet Dra ; 2.80; 5800;occ; 76; 0;41634
5; 4193.2; 15-FEB-2010 16:26:50; Bright; 36.5; 144; 18Del Cyg ; 2.86; 11000;occ; 73; 0;41634
6; 4329.0; 15-FEB-2010 16:29:06; Bright; 35.0; 5; 3Alp Lyr ; 0.03; 11000;occ; 70; 0;41634
7; 4744.7; 15-FEB-2010 16:36:01; Bright; 52.0; 168; 17Zet Aql ; 2.99; 11000;occ; 104; 0;41634
8; 5012.0; 15-FEB-2010 16:40:29; Dark ; 51.5; 126; 60Bet Oph ; 2.77; 4250;occ; 103; 0;41634
9; 5454.3; 15-FEB-2010 16:47:51; Dark ; 48.0; 86; 35Eta Oph ; 2.43; 10200;occ; 96; 0;41634
10; 5584.3; 15-FEB-2010 16:50:01; Dark ; 43.5; 38; 20Eps Sgr ; 1.84; 11000;occ; 87; 0;41634
11; 5713.5; 15-FEB-2010 16:52:10; Dark ; 46.0; 25; 35Lam Sco ; 1.62; 28000;occ; 92; 0;41634
12; 5789.8; 15-FEB-2010 16:53:27; Dark ; 47.0; 40; The Sco ; 1.86; 7100;occ; 94; 0;41634
13; 5895.6; 15-FEB-2010 16:55:12; Dark ; 37.5; 147; Alp Ara ; 2.88; 26000;occ; 75; 0;41634
14; 5981.9; 15-FEB-2010 16:56:39; Dark ; 43.0; 141; Bet Ara ; 2.84; 4600;occ; 86; 0;41634
15; 6089.6; 15-FEB-2010 16:58:26; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;41634
16; 6217.1; 15-FEB-2010 17:00:34; Dark ; 38.0; 134; Bet TrA ; 2.81; 6600;occ; 76; 0;41634
17; 6352.3; 15-FEB-2010 17:02:49; Dark ; 49.5; 4; Alp1Cen ; -0.01; 5800;occ; 99; 0;41634
18; 6431.3; 15-FEB-2010 17:04:08; Dark ; 46.0; 10; Bet Cen ; 0.61; 28000;occ; 92; 0;41634
19; 6512.6; 15-FEB-2010 17:05:29; Dark ; 42.5; 77; Eps Cen ; 2.30; 28000;occ; 85; 0;41634
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4; 3555.2; 15-FEB-2010 17:56:48; Bright; 42.5; 60; 7Bet UMi ; 2.08; 3950;occ; 85; 0;41635
5; 4073.7; 15-FEB-2010 18:05:26; Bright; 38.5; 130; 23Bet Dra ; 2.80; 5800;occ; 77; 0;41635
6; 4329.0; 15-FEB-2010 18:09:42; Bright; 35.5; 5; 3Alp Lyr ; 0.03; 11000;occ; 71; 0;41635
7; 4744.9; 15-FEB-2010 18:16:38; Bright; 52.0; 168; 17Zet Aql ; 2.99; 11000;occ; 104; 0;41635
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11; 5714.2; 15-FEB-2010 18:32:47; Dark ; 46.0; 25; 35Lam Sco ; 1.62; 28000;occ; 92; 0;41635
12; 5790.2; 15-FEB-2010 18:34:03; Dark ; 44.5; 40; The Sco ; 1.86; 7100;occ; 89; 0;41635
13; 5895.8; 15-FEB-2010 18:35:48; Dark ; 38.5; 147; Alp Ara ; 2.88; 26000;occ; 77; 0;41635
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5; 4330.4; 16-FEB-2010 20:59:18; Bright; 37.0; 5; 3Alp Lyr ; 0.03; 11000;occ; 74; 0;41651
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3; 326.1; 16-FEB-2010 21:33:09; Dark ; 41.5; 4; Alp1Cen ;-0.01; 5800;occ; 83; 0;41652
4; 405.3; 16-FEB-2010 21:34:29; Dark ; 44.5; 10; Bet Cen ; 0.61; 28000;occ; 89; 0;41652
5; 489.9; 16-FEB-2010 21:35:53; Dark ; 41.5; 77; Eps Cen ; 2.30; 28000;occ; 83; 0;41652
6; 587.3; 16-FEB-2010 21:37:31; Dark ; 48.0; 12; Alp1Cru ; 0.77; 30000;occ; 96; 0;41652
7; 691.9; 16-FEB-2010 21:39:15; Dark ; 45.5; 64; Gam Cen ; 2.20; 10600;occ; 91; 0;41652
8; 931.5; 16-FEB-2010 21:43:15; Dark ; 46.5; 113; Mu Vel ; 2.69; 5000;occ; 93; 0;41652
9; 1740.3; 16-FEB-2010 21:56:44; Dark ; 48.0; 48; 30Alp Hya ; 1.98; 4100;occ; 96; 0;41652
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12; 4330.5; 16-FEB-2010 22:39:54; Bright; 41.0; 5; 3Alp Lyr ; 0.03; 11000;occ; 82; 0;41652
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3; 326.9; 16-FEB-2010 23:13:46; Dark ; 43.0; 4; Alp1Cen ;-0.01; 5800;occ; 86; 0;41653
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5; 490.5; 16-FEB-2010 23:16:30; Dark ; 43.5; 77; Eps Cen ; 2.30; 28000;occ; 87; 0;41653
6; 587.8; 16-FEB-2010 23:18:07; Dark ; 39.5; 12; Alp1Cru ; 0.77; 30000;occ; 79; 0;41653
7; 692.8; 16-FEB-2010 23:19:52; Dark ; 52.5; 64; Gam Cen ; 2.20; 10600;occ; 105; 0;41653
8; 931.9; 16-FEB-2010 23:23:51; Dark ; 45.5; 113; Mu Vel ; 2.69; 5000;occ; 91; 0;41653
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11; 4071.6; 17-FEB-2010 00:16:11; Bright; 43.0; 130; 23Bet Dra ; 2.80; 5800;occ; 86; 0;41653
12; 4330.6; 17-FEB-2010 00:20:30; Bright; 36.0; 5; 3Alp Lyr ; 0.03; 11000;occ; 72; 0;41653
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3; 402.5; 16-FEB-2010 11:30:50; Dark ; 42.0; 10; Bet Cen ; 0.61; 28000;occ; 84; 0;41646
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9; 6096.5; 16-FEB-2010 16:26:56; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;41648
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6; 5590.1; 16-FEB-2010 17:59:06; Dark ; 43.5; 38; 20Eps Sgr ; 1.84; 11000;occ; 87; 0;41649
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11; 6622.8; 16-FEB-2010 19:56:54; Dark ; 42.5; 12; Alp1Cru ; 0.77; 30000;occ; 85; 0;41650
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3; 69.2; 17-FEB-2010 22:37:52; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;41667
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5; 5026.0; 17-FEB-2010 10:35:41; Dark ; 50.0; 126; 60Bet Oph ; 2.77; 4250;occ; 100; 0;41659
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9; 6367.5; 17-FEB-2010 12:38:38; Dark ; 46.0; 4; Alp1Cen ; -0.01; 5800;occ; 92; 0;41660
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3; 4070.4; 17-FEB-2010 13:40:57; Bright; 44.5; 130; 23Bet Dra ; 2.80; 5800;occ; 89; 0;41661
4; 4331.0; 17-FEB-2010 13:45:18; Bright; 40.0; 5; 3Alp Lyr ; 0.03; 11000;occ; 80; 0;41661
5; 5026.7; 17-FEB-2010 13:56:53; Dark ; 51.5; 126; 60Bet Oph ; 2.77; 4250;occ; 103; 0;41661
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3; 4070.2; 17-FEB-2010 15:21:33; Bright; 44.5; 130; 23Bet Dra ; 2.80; 5800;occ; 89; 0;41662
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6; 5730.2; 17-FEB-2010 15:49:13; Dark ; 49.5; 25; 35Lam Sco ; 1.62; 28000;occ; 99; 0;41662
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12; 6629.1; 17-FEB-2010 17:44:48; Dark ; 42.5; 12; Alp1Cru ; 0.77; 30000;occ; 85; 0;41663
13; 6737.2; 17-FEB-2010 17:46:36; Dark ; 46.5; 64; Gam Cen ; 2.20; 10600;occ; 93; 0;41663
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6; 512.0; 18-FEB-2010 22:13:37; Dark ; 45.0; 77; Eps Cen ; 2.30; 28000;occ; 90; 0;41681
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6; 338.5; 18-FEB-2010 07:05:21; Dark ; 43.0; 4; Alp1Cen ; -0.01; 5800;occ; 86; 0;41672
7; 418.0; 18-FEB-2010 07:06:40; Dark ; 41.5; 10; Bet Cen ; 0.61; 28000;occ; 83; 0;41672
8; 505.3; 18-FEB-2010 07:08:07; Dark ; 42.0; 77; Eps Cen ; 2.30; 28000;occ; 84; 0;41672
9; 597.0; 18-FEB-2010 07:09:39; Dark ; 44.0; 12; Alp1Cru ; 0.77; 30000;occ; 88; 0;41672
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6; 5819.3; 18-FEB-2010 08:36:41; Dark ; 50.5; 75; 26Eps Sco ; 2.29; 4250;occ; 101; 0;41672
7; 6374.8; 18-FEB-2010 08:45:57; Dark ; 44.0; 4; Alp1Cen ; -0.01; 5800;occ; 88; 0;41672
8; 6454.5; 18-FEB-2010 08:47:17; Dark ; 44.0; 10; Bet Cen ; 0.61; 28000;occ; 88; 0;41672
9; 6541.9; 18-FEB-2010 08:48:44; Dark ; 44.5; 77; Eps Cen ; 2.30; 28000;occ; 89; 0;41672
10; 6633.5; 18-FEB-2010 08:50:16; Dark ; 41.5; 12; Alp1Cru ; 0.77; 30000;occ; 83; 0;41672
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3; 4068.8; 18-FEB-2010 09:48:07; Bright; 38.5; 130; 23Bet Dra ; 2.80; 5800;occ; 77; 0;41673
4; 4332.3; 18-FEB-2010 09:52:30; Bright; 37.5; 5; 3Alp Lyr ; 0.03; 11000;occ; 75; 0;41673
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8; 6375.7; 18-FEB-2010 10:26:34; Dark ; 43.0; 4; Alp1Cen ; -0.01; 5800;occ; 86; 0;41673
9; 6455.1; 18-FEB-2010 10:27:53; Dark ; 44.0; 10; Bet Cen ; 0.61; 28000;occ; 88; 0;41673
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13; 6977.0; 18-FEB-2010 10:36:35; Dark ; 42.5; 113; Mu Vel ; 2.69; 5000;occ; 85; 0;41673
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3; 4068.4; 18-FEB-2010 11:28:42; Bright; 43.0; 130; 23Bet Dra ; 2.80; 5800;occ; 86; 0;41674
4; 4332.2; 18-FEB-2010 11:33:06; Bright; 36.0; 5; 3Alp Lyr ; 0.03; 11000;occ; 72; 0;41674

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6; 5820.9; 18-FEB-2010 11:57:55; Dark ; 51.0; 75; 26Eps Sco ; 2.29; 4250;occ; 102; 0;41674
7; 6109.0; 18-FEB-2010 12:02:43; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;41674
8; 6376.3; 18-FEB-2010 12:07:10; Dark ; 47.0; 4; Alp1Cen ;-0.01; 5800;occ; 94; 0;41674
9; 6455.5; 18-FEB-2010 12:08:29; Dark ; 44.5; 10; Bet Cen ; 0.61; 28000;occ; 89; 0;41674
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11; 6634.4; 18-FEB-2010 12:11:28; Dark ; 46.5; 12; Alp1Cru ; 0.77; 30000;occ; 93; 0;41674
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3; 4068.4; 18-FEB-2010 13:09:18; Bright; 42.0; 130; 23Bet Dra ; 2.80; 5800;occ; 84; 0;41675
4; 4332.3; 18-FEB-2010 13:13:42; Bright; 36.5; 5; 3Alp Lyr ; 0.03; 11000;occ; 73; 0;41675
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6; 5821.9; 18-FEB-2010 13:38:32; Dark ; 55.0; 75; 26Eps Sco ; 2.29; 4250;occ; 110; 0;41675
7; 6109.6; 18-FEB-2010 13:43:19; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;41675
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13; 6978.1; 18-FEB-2010 13:57:48; Dark ; 42.0; 113; Mu Vel ; 2.69; 5000;occ; 84; 0;41675
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4; 4332.6; 18-FEB-2010 14:54:18; Bright; 38.5; 5; 3Alp Lyr ; 0.03; 11000;occ; 77; 0;41676
5; 5739.4; 18-FEB-2010 15:17:45; Dark ; 44.5; 25; 35Lam Sco ; 1.62; 28000;occ; 89; 0;41676
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8; 6377.4; 18-FEB-2010 15:28:23; Dark ; 43.0; 4; Alp1Cen ;-0.01; 5800;occ; 86; 0;41676
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3; 4067.8; 18-FEB-2010 18:11:05; Bright; 44.0; 130; 23Bet Dra ; 2.80; 5800;occ; 88; 0;41678
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6; 713.3; 18-FEB-2010 20:36:23; Dark ; 52.5; 64; Gam Cen ; 2.20; 10600;occ; 105; 0;41680
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3; -1702.7; 19-FEB-2010 04:19:06; Bright; 37.0; 5; 3Alp Lyr ; 0.03; 11000;occ; 74; 0;41684
4; -291.6; 19-FEB-2010 04:42:37; Dark ; 45.5; 25; 35Lam Sco ; 1.62; 28000;occ; 91; 0;41684
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8; 425.8; 19-FEB-2010 04:54:35; Dark ; 41.5; 10; Bet Cen ; 0.61; 28000;occ; 83; 0;41685
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13; 1742.1; 19-FEB-2010 05:16:31; Dark ; 47.5; 48; 30Alp Hya ; 1.98; 4100;occ; 95; 0;41685
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4; 3536.8; 19-FEB-2010 20:51:49; Bright; 37.0; 60; 7Bet UMi ; 2.08; 3950;occ; 74; 0;41694
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4; -196.7; 19-FEB-2010 21:30:12; Dark ; 55.5; 75; 26Eps Sco ; 2.29; 4250;occ; 111; 0;41694
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6; 84.1; 19-FEB-2010 21:34:53; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;41695
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13; 3431.4; 19-FEB-2010 22:30:40; Bright; 52.0; 49; 1Alp UMi ; 1.99; 6300;occ; 104; 0;41695
14; 3536.2; 19-FEB-2010 22:32:25; Bright; 45.0; 60; 7Bet UMi ; 2.08; 3950;occ; 90; 0;41695
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5; 79.4; 19-FEB-2010 06:29:24; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;41686
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11; 946.2; 19-FEB-2010 06:43:51; Dark ; 44.5; 113; Mu Vel ; 2.69; 5000;occ; 89; 0;41686
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4; 4333.1; 19-FEB-2010 07:40:18; Bright; 37.5; 5; 3Alp Lyr ; 0.03; 11000;occ; 75; 0;41686
5; 4756.9; 19-FEB-2010 07:47:22; Bright; 35.5; 168; 17Zet Aql ; 2.99; 11000;occ; 71; 0;41686
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9; 6383.5; 19-FEB-2010 08:14:29; Dark ; 43.0; 4; Alp1Cen ; -0.01; 5800;occ; 86; 0;41686
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13; 6754.0; 19-FEB-2010 08:20:39; Dark ; 46.5; 64; Gam Cen ; 2.20; 10600;occ; 93; 0;41686
14; 6982.7; 19-FEB-2010 08:24:28; Dark ; 44.5; 113; Mu Vel ; 2.69; 5000;occ; 89; 0;41686
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3; 4066.4; 19-FEB-2010 09:16:27; Bright; 43.5; 130; 23Bet Dra ; 2.80; 5800;occ; 87; 0;41687
4; 4333.0; 19-FEB-2010 09:20:54; Bright; 39.5; 5; 3Alp Lyr ; 0.03; 11000;occ; 79; 0;41687
5; 4757.5; 19-FEB-2010 09:27:59; Bright; 36.0; 168; 17Zet Aql ; 2.99; 11000;occ; 72; 0;41687
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7; 5832.7; 19-FEB-2010 09:45:54; Dark ; 61.0; 75; 26Eps Sco ; 2.29; 4250;occ; 122; 0;41687
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5; 4757.1; 19-FEB-2010 11:08:34; Bright; 53.0; 168; 17Zet Aql ; 2.99; 11000;occ; 106; 0;41688
6; 5746.8; 19-FEB-2010 11:25:04; Dark ; 41.0; 25; 35Lam Sco ; 1.62; 28000;occ; 82; 0;41688
7; 5833.5; 19-FEB-2010 11:26:30; Dark ; 56.0; 75; 26Eps Sco ; 2.29; 4250;occ; 112; 0;41688
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11; 6554.2; 19-FEB-2010 11:38:31; Dark ; 43.5; 77; Eps Cen ; 2.30; 28000;occ; 87; 0;41688
12; 6640.9; 19-FEB-2010 11:39:58; Dark ; 38.0; 12; Alp1Cru ; 0.77; 30000;occ; 76; 0;41688
13; 6755.6; 19-FEB-2010 11:41:53; Dark ; 45.0; 64; Gam Cen ; 2.20; 10600;occ; 90; 0;41688
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5; 4757.7; 19-FEB-2010 12:49:10; Bright; 34.0; 168; 17Zet Aql ; 2.99; 11000;occ; 68; 0;41689
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7; 5834.7; 19-FEB-2010 13:07:07; Dark ; 55.5; 75; 26Eps Sco ; 2.29; 4250;occ; 111; 0;41689
8; 6117.3; 19-FEB-2010 13:11:50; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;41689
9; 6385.2; 19-FEB-2010 13:16:18; Dark ; 43.5; 4; Alp1Cen ; -0.01; 5800;occ; 87; 0;41689
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 4; 4333.7; 19-FEB-2010 14:22:42; Bright; 39.5; 5; 3Alp Lyr ; 0.03; 11000;occ; 79; 0;41690
 5; 4757.9; 19-FEB-2010 14:29:47; Bright; 35.5; 168; 17Zet Aql ; 2.99; 11000;occ; 71; 0;41690
 6; 5748.4; 19-FEB-2010 14:46:17; Dark ; 44.0; 25; 35Lam Sco ; 1.62; 28000;occ; 88; 0;41690
 7; 5835.5; 19-FEB-2010 14:47:44; Dark ; 56.5; 75; 26Eps Sco ; 2.29; 4250;occ; 113; 0;41690
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 12; 6757.0; 19-FEB-2010 15:03:06; Dark ; 45.0; 64; Gam Cen ; 2.20; 10600;occ; 90; 0;41690
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 5; 4758.3; 19-FEB-2010 16:10:23; Bright; 52.5; 168; 17Zet Aql ; 2.99; 11000;occ; 105; 0;41691
 6; 5749.0; 19-FEB-2010 16:26:54; Dark ; 44.5; 25; 35Lam Sco ; 1.62; 28000;occ; 89; 0;41691
 7; 5836.4; 19-FEB-2010 16:28:21; Dark ; 51.0; 75; 26Eps Sco ; 2.29; 4250;occ; 102; 0;41691
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 9; 6244.5; 19-FEB-2010 16:35:09; Dark ; 39.5; 134; Bet TrA ; 2.81; 6600;occ; 79; 0;41691
 10; 6386.4; 19-FEB-2010 16:37:31; Dark ; 45.0; 4; Alp1Cen ;-0.01; 5800;occ; 90; 0;41691
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 9; 5334.4; 19-FEB-2010 18:00:35; Dark ; 42.0; 155; 41Pi Sgr ; 2.90; 6600;occ; 84; 0;41692
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 16; 6466.8; 19-FEB-2010 18:19:27; Dark ; 47.5; 10; Bet Cen ; 0.61; 28000;occ; 95; 0;41692
 17; 6643.0; 19-FEB-2010 18:22:24; Dark ; 40.0; 12; Alp1Cru ; 0.77; 30000;occ; 80; 0;41692
 18; 6758.6; 19-FEB-2010 18:24:19; Dark ; 45.0; 64; Gam Cen ; 2.20; 10600;occ; 90; 0;41692
 19; 6985.3; 19-FEB-2010 18:28:06; Dark ; 43.5; 113; Mu Vel ; 2.69; 5000;occ; 87; 0;41692

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 3; 3431.5; 19-FEB-2010 19:09:28; Bright; 37.5; 49; 1Alp UMi ; 1.99; 6300;occ; 75; 0;41693
 4; 3537.0; 19-FEB-2010 19:11:14; Bright; 41.5; 60; 7Bet UMi ; 2.08; 3950;occ; 83; 0;41693
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 6; 4333.6; 19-FEB-2010 19:24:30; Bright; 43.0; 5; 3Alp Lyr ; 0.03; 11000;occ; 86; 0;41693
 7; 4758.7; 19-FEB-2010 19:31:35; Bright; 54.0; 168; 17Zet Aql ; 2.99; 11000;occ; 108; 0;41693
 8; 5334.5; 19-FEB-2010 19:41:11; Dark ; 42.5; 155; 41Pi Sgr ; 2.90; 6600;occ; 85; 0;41693
 9; 5436.4; 19-FEB-2010 19:42:53; Dark ; 40.0; 57; 34Sig Sgr ; 2.07; 26000;occ; 80; 0;41693
 10; 5750.4; 19-FEB-2010 19:48:07; Dark ; 42.5; 25; 35Lam Sco ; 1.62; 28000;occ; 85; 0;41693
 11; 5838.3; 19-FEB-2010 19:49:35; Dark ; 57.5; 75; 26Eps Sco ; 2.29; 4250;occ; 115; 0;41693
 12; 6007.5; 19-FEB-2010 19:52:24; Dark ; 42.5; 141; Bet Ara ; 2.84; 4600;occ; 85; 0;41693
 13; 6119.5; 19-FEB-2010 19:54:16; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;41693
 14; 6387.8; 19-FEB-2010 19:58:44; Dark ; 41.0; 4; Alp1Cen ;-0.01; 5800;occ; 82; 0;41693
 15; 6467.3; 19-FEB-2010 20:00:04; Dark ; 51.5; 10; Bet Cen ; 0.61; 28000;occ; 103; 0;41693
 16; 6643.2; 19-FEB-2010 20:03:00; Dark ; 54.0; 12; Alp1Cru ; 0.77; 30000;occ; 108; 0;41693
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3; 3534.1; 20-FEB-2010 10:16:34; Bright; 43.0; 60; 7Bet UMi ; 2.08; 3950;occ; 86; 0;41702
4; 4092.5; 20-FEB-2010 10:25:52; Bright; 38.0; 69; 33Gam Dra ; 2.23; 3800;occ; 76; 0;41702
5; 4334.4; 20-FEB-2010 10:29:54; Bright; 38.5; 5; 3Alp Lyr ; 0.03; 11000;occ; 77; 0;41702
6; 4760.8; 20-FEB-2010 10:37:01; Bright; 35.0; 168; 17Zet Aql ; 2.99; 11000;occ; 70; 0;41702
7; 5756.1; 20-FEB-2010 10:53:36; Dark ; 45.0; 25; 35Lam Sco ; 1.62; 28000;occ; 90; 0;41702
8; 5846.6; 20-FEB-2010 10:55:07; Dark ; 51.5; 75; 26Eps Sco ; 2.29; 4250;occ; 103; 0;41702
9; 6124.1; 20-FEB-2010 10:59:44; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;41702
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2; 2355.4; 20-FEB-2010 11:37:31; Bright; 43.0; 166; 17Eps Leo ; 2.98; 6000;occ; 86; 0;41703
3; 3533.7; 20-FEB-2010 11:57:10; Bright; 40.5; 60; 7Bet UMi ; 2.08; 3950;occ; 81; 0;41703
4; 4092.4; 20-FEB-2010 12:06:28; Bright; 42.5; 69; 33Gam Dra ; 2.23; 3800;occ; 85; 0;41703
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4; 3522.9; 22-FEB-2010 20:57:20; Bright; 42.5; 60; 7Bet UMi ; 2.08; 3950;occ; 85; 0;41737
5; 4088.4; 22-FEB-2010 21:06:46; Bright; 43.5; 69; 33Gam Dra ; 2.23; 3800;occ; 87; 0;41737
6; 4336.9; 22-FEB-2010 21:10:54; Bright; 39.5; 5; 3Alp Lyr ; 0.03; 11000;occ; 79; 0;41737
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8; 2344.5; 22-FEB-2010 22:18:18; Bright; 41.0; 166; 17Eps Leo ; 2.98; 6000;occ; 82; 0;41738
9; 3102.1; 22-FEB-2010 22:30:55; Bright; 41.5; 36; 50Alp UMa ; 1.80; 6300;occ; 83; 0;41738
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12; 4336.8; 22-FEB-2010 22:51:30; Bright; 37.5; 5; 3Alp Lyr ; 0.03; 11000;occ; 75; 0;41738
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3; 107.5; 22-FEB-2010 23:21:37; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;41739
4; 458.7; 22-FEB-2010 23:27:28; Dark ; 46.0; 10; Bet Cen ; 0.61; 28000;occ; 92; 0;41739
5; 754.9; 22-FEB-2010 23:32:24; Dark ; 50.0; 64; Gam Cen ; 2.20; 10600;occ; 100; 0;41739
6; 967.3; 22-FEB-2010 23:35:57; Dark ; 44.0; 113; Mu Vel ; 2.69; 5000;occ; 88; 0;41739
7; 1745.3; 22-FEB-2010 23:48:55; Dark ; 47.0; 48; 30Alp Hya ; 1.98; 4100;occ; 94; 0;41739
8; 2344.2; 22-FEB-2010 23:58:53; Bright; 41.5; 166; 17Eps Leo ; 2.98; 6000;occ; 83; 0;41739
9; 3101.8; 23-FEB-2010 00:11:31; Bright; 44.0; 36; 50Alp UMa ; 1.80; 6300;occ; 88; 0;41739
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3; 750.3; 22-FEB-2010 11:48:08; Dark ; 50.0; 64; Gam Cen ; 2.20; 10600;occ; 100; 0;41732
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6; 4336.5; 22-FEB-2010 12:47:54; Bright; 46.5; 5; 3Alp Lyr ; 0.03; 11000;occ; 93; 0;41732
7; 4769.1; 22-FEB-2010 12:55:07; Bright; 35.5; 168; 17Zet Aql ; 2.99; 11000;occ; 71; 0;41732
8; 5776.7; 22-FEB-2010 13:11:54; Dark ; 45.5; 25; 35Lam Sco ; 1.62; 28000;occ; 91; 0;41732
9; 5875.6; 22-FEB-2010 13:13:33; Dark ; 50.5; 75; 26Eps Sco ; 2.29; 4250;occ; 101; 0;41732
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5; 4089.1; 22-FEB-2010 14:24:23; Bright; 44.0; 69; 33Gam Dra ; 2.23; 3800;occ; 88; 0;41733
6; 4336.4; 22-FEB-2010 14:28:30; Bright; 38.5; 5; 3Alp Lyr ; 0.03; 11000;occ; 77; 0;41733
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9; 5876.6; 22-FEB-2010 14:54:10; Dark ; 48.0; 75; 26Eps Sco ; 2.29; 4250;occ; 96; 0;41733
10; 6140.7; 22-FEB-2010 14:58:34; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;41733
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3; 3104.3; 22-FEB-2010 15:48:34; Bright; 43.5; 36; 50Alp UMa ; 1.80; 6300;occ; 87; 0;41734
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16; 3005.7; 26-FEB-2010 00:15:40; Bright; 42.5; 82; 48Bet UMa ; 2.37; 10600;occ; 85; 0;41782
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4; 2846.4; 26-FEB-2010 08:36:01; Bright; 47.5; 174; 52Psi UMa ; 3.00; 4400;occ; 95; 0;41787
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7; 3506.2; 26-FEB-2010 08:47:00; Bright; 43.0; 60; 7Bet UMi ; 2.08; 3950;occ; 86; 0;41787
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9; 4047.6; 26-FEB-2010 08:56:02; Bright; 45.0; 130; 23Bet Dra ; 2.80; 5800;occ; 90; 0;41787
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11; 4339.7; 26-FEB-2010 09:00:54; Bright; 41.5; 5; 3Alp Lyr ; 0.03; 11000;occ; 83; 0;41787
12; 4784.7; 26-FEB-2010 09:08:19; Bright; 37.0; 168; 17Zet Aql ; 2.99; 11000;occ; 74; 0;41787
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14; 5513.4; 26-FEB-2010 09:20:28; Dark ; 45.5; 137; 22Lam Sgr ; 2.82; 4400;occ; 91; 0;41787
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16; 5818.0; 26-FEB-2010 09:25:32; Dark ; 46.0; 25; 35Lam Sco ; 1.62; 28000;occ; 92; 0;41787
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4; 2845.0; 26-FEB-2010 11:57:11; Bright; 46.0; 174; 52Psi UMa ; 3.00; 4400;occ; 92; 0;41789
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8; 3791.1; 26-FEB-2010 12:12:57; Bright; 45.5; 119; 14Eta Dra ; 2.73; 4700;occ; 91; 0;41789
9; 4047.2; 26-FEB-2010 12:17:13; Bright; 45.5; 130; 23Bet Dra ; 2.80; 5800;occ; 91; 0;41789
10; 4209.2; 26-FEB-2010 12:19:55; Bright; 35.5; 144; 18Del Cyg ; 2.86; 11000;occ; 71; 0;41789
11; 4339.7; 26-FEB-2010 12:22:06; Bright; 42.0; 5; 3Alp Lyr ; 0.03; 11000;occ; 84; 0;41789
12; 4785.3; 26-FEB-2010 12:29:31; Bright; 56.0; 168; 17Zet Aql ; 2.99; 11000;occ; 112; 0;41789
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14; 5514.5; 26-FEB-2010 12:41:41; Dark ; 46.0; 137; 22Lam Sgr ; 2.82; 4400;occ; 92; 0;41789
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4; 2844.4; 26-FEB-2010 13:37:46; Bright; 48.5; 174; 52Psi UMa ; 3.00; 4400;occ; 97; 0;41790

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7; 3505.3; 26-FEB-2010 13:48:47; Bright; 42.0; 60; 7Bet UMi ; 2.08; 3950;occ; 84; 0;41790
8; 3790.8; 26-FEB-2010 13:53:33; Bright; 44.5; 119; 14Eta Dra ; 2.73; 4700;occ; 89; 0;41790
9; 4046.9; 26-FEB-2010 13:57:49; Bright; 49.0; 130; 23Bet Dra ; 2.80; 5800;occ; 98; 0;41790
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5; 3001.1; 26-FEB-2010 15:20:59; Bright; 41.5; 82; 48Bet UMA ; 2.37; 10600;occ; 83; 0;41791
6; 3088.4; 26-FEB-2010 15:22:26; Bright; 39.0; 87; 64Gam UMA ; 2.43; 11000;occ; 78; 0;41791
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6; 3087.7; 26-FEB-2010 17:03:02; Bright; 43.0; 87; 64Gam UMA ; 2.43; 11000;occ; 86; 0;41792
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| 18; | 6306.3; | 27-FEB-2010 | 15:44:27; | Dark ; | 50.5; | 131; | Gam Lup ; | 2.80; | 26000;occ; | 101; | 0;41805 |
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| 22; | 6753.2; | 27-FEB-2010 | 15:51:54; | Dark ; | 51.0; | 26; | Gam Cru ; | 1.62; | 2900;occ; | 102; | 0;41805 |
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| 2; | 2289.0; | 27-FEB-2010 | 16:18:06; | Bright; | 45.5; | 51; | 41Gam1Leo ; | 2.01; | 4500;occ; | 91; | 0;41806 |
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| 8; | 4043.4; | 27-FEB-2010 | 16:47:20; | Bright; | 47.5; | 130; | 23Bet Dra ; | 2.80; | 5800;occ; | 95; | 0;41806 |
| 9; | 4210.9; | 27-FEB-2010 | 16:50:08; | Bright; | 37.0; | 144; | 18Del Cyg ; | 2.86; | 11000;occ; | 74; | 0;41806 |
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| 11; | 4790.6; | 27-FEB-2010 | 16:59:48; | Bright; | 37.0; | 168; | 17Zet Aql ; | 2.99; | 11000;occ; | 74; | 0;41806 |
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| 14; | 5833.2; | 27-FEB-2010 | 17:17:10; | Dark ; | 47.5; | 25; | 35Lam Sco ; | 1.62; | 28000;occ; | 95; | 0;41806 |
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