

GOMOS Daily Report 08-JUL-2011

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 | 11JUL2011 07:05:22 |
| Data source version | GOMOS/6.01 |
| Start time of products | 08JUL2011 00:01:43 |
| Stop time of products | 08JUL2011 23:54:32 |
| Store outputs in DB | Yes |
| Nb of level 1b prods | 237 |
| Nb of prods with errors | 0 |

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

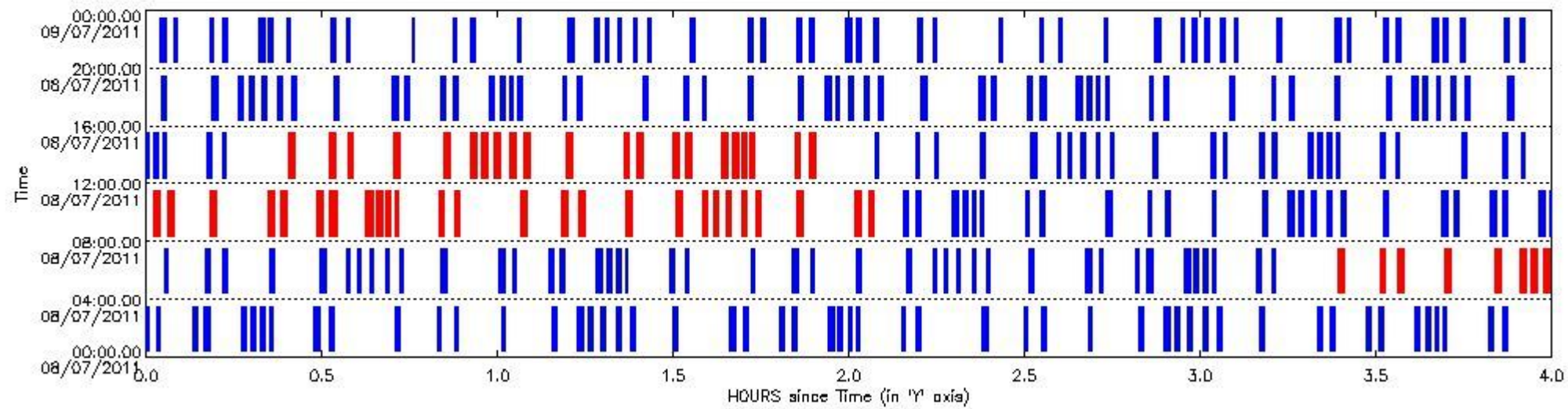
2.1 Level 0 products arrived in PCF (see template [here](#))

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 |
|----------------------|-----------|---------|-------|
| 08-JUL-2011 07:23:35 | 17ZetAql | 168 | 48914 |
| 08-JUL-2011 07:30:37 | 3AlpLyr | 5 | 48914 |
| 08-JUL-2011 07:33:43 | 33GamDra | 69 | 48914 |
| 08-JUL-2011 07:41:35 | 5AlpCep | 89 | 48914 |
| 08-JUL-2011 07:50:12 | 27GamCas | 76 | 48914 |
| 08-JUL-2011 07:54:39 | 23GamPer | 160 | 48914 |
| 08-JUL-2011 07:56:33 | 39DelPer | 175 | 48914 |
| 08-JUL-2011 07:58:42 | 26BetPer | 79 | 48914 |
| 08-JUL-2011 08:01:21 | 44ZetPer | 150 | 48914 |
| 08-JUL-2011 08:03:45 | 25EtaTau | 146 | 48914 |
| 08-JUL-2011 08:10:57 | 92AlpCet | 94 | 48914 |
| 08-JUL-2011 08:20:46 | DSA1066 | 0 | 48914 |
| 08-JUL-2011 08:23:02 | The1Eri | 157 | 48914 |
| 08-JUL-2011 08:29:13 | AlpEri | 9 | 48915 |
| 08-JUL-2011 08:31:16 | AlpPhe | 84 | 48915 |

| | | | |
|----------------------|----------|-----|-------|
| 08-JUL-2011 08:37:28 | BetGru | 63 | 48915 |
| 08-JUL-2011 08:39:15 | AlpGru | 31 | 48915 |
| 08-JUL-2011 08:40:51 | AlpPav | 45 | 48915 |
| 08-JUL-2011 08:42:21 | GamGru | 172 | 48915 |
| 08-JUL-2011 08:49:57 | 38ZetSgr | 103 | 48915 |
| 08-JUL-2011 08:52:32 | 41PiSgr | 155 | 48915 |
| 08-JUL-2011 09:03:49 | 17ZetAql | 168 | 48915 |
| 08-JUL-2011 09:10:51 | 3AlpLyr | 5 | 48915 |
| 08-JUL-2011 09:13:56 | 33GamDra | 69 | 48915 |
| 08-JUL-2011 09:21:49 | 5AlpCep | 89 | 48915 |
| 08-JUL-2011 09:30:25 | 27GamCas | 76 | 48915 |
| 08-JUL-2011 09:34:52 | 23GamPer | 160 | 48915 |
| 08-JUL-2011 09:36:47 | 39DelPer | 175 | 48915 |
| 08-JUL-2011 09:38:56 | 26BetPer | 79 | 48915 |
| 08-JUL-2011 09:41:35 | 44ZetPer | 150 | 48915 |
| 08-JUL-2011 09:44:00 | 25EtaTau | 146 | 48915 |
| 08-JUL-2011 09:51:11 | 92AlpCet | 94 | 48915 |
| 08-JUL-2011 10:01:01 | DSA1066 | 0 | 48915 |
| 08-JUL-2011 10:03:17 | The1Eri | 157 | 48915 |
| 08-JUL-2011 12:24:16 | 17ZetAql | 168 | 48917 |
| 08-JUL-2011 12:31:18 | 3AlpLyr | 5 | 48917 |
| 08-JUL-2011 12:34:24 | 33GamDra | 69 | 48917 |
| 08-JUL-2011 12:42:15 | 5AlpCep | 89 | 48917 |
| 08-JUL-2011 12:50:52 | 27GamCas | 76 | 48917 |
| 08-JUL-2011 12:55:20 | 23GamPer | 160 | 48917 |
| 08-JUL-2011 12:57:15 | 39DelPer | 175 | 48917 |
| 08-JUL-2011 12:59:24 | 26BetPer | 79 | 48917 |
| 08-JUL-2011 13:02:03 | 44ZetPer | 150 | 48917 |
| 08-JUL-2011 13:04:28 | 25EtaTau | 146 | 48917 |
| 08-JUL-2011 13:11:40 | 92AlpCet | 94 | 48917 |
| 08-JUL-2011 13:21:31 | DSA1066 | 0 | 48917 |
| 08-JUL-2011 13:23:46 | The1Eri | 157 | 48917 |
| 08-JUL-2011 13:29:56 | AlpEri | 9 | 48918 |
| 08-JUL-2011 13:32:01 | AlpPhe | 84 | 48918 |
| 08-JUL-2011 13:38:13 | BetGru | 63 | 48918 |
| 08-JUL-2011 13:39:59 | AlpGru | 31 | 48918 |
| 08-JUL-2011 13:41:35 | AlpPav | 45 | 48918 |
| 08-JUL-2011 13:43:06 | GamGru | 172 | 48918 |
| 08-JUL-2011 13:50:39 | 38ZetSgr | 103 | 48918 |
| 08-JUL-2011 13:53:14 | 41PiSgr | 155 | 48918 |

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_1PNPDE20110708_000143_000000413104_00188_48909_1532.N1 | 08-JUL-2011 00:01:43 | Dark | 40.500 | 157 | The1Eri | 2.9060 | 9300.0 | 81 | 48909 | No |
| 2 | GOM_TRA_1PNPDE20110708_000753_000000433104_00189_48910_1533.N1 | 08-JUL-2011 00:07:53 | Dark | 43.000 | 9 | Alp Eri | 0.45300 | 24000. | 86 | 48910 | No |
| 3 | GOM_TRA_1PNPDE20110708_000954_000000523104_00189_48910_1534.N1 | 08-JUL-2011 00:09:54 | Dark | 52.000 | 84 | Alp Phe | 2.3970 | 4500.0 | 104 | 48910 | No |
| 4 | GOM_TRA_1PNPDE20110708_001607_000000573104_00189_48910_1535.N1 | 08-JUL-2011 00:16:07 | Straylight | 56.500 | 63 | Bet Gru | 2.1500 | 2800.0 | 113 | 48910 | No |
| 5 | GOM_TRA_1PNPDE20110708_001754_000000483104_00189_48910_1536.N1 | 08-JUL-2011 00:17:54 | Straylight | 47.500 | 31 | Alp Gru | 1.7340 | 15200. | 95 | 48910 | No |
| 6 | GOM_TRA_1PNPDE20110708_001933_000000413104_00189_48910_1537.N1 | 08-JUL-2011 00:19:33 | Straylight | 40.500 | 45 | Alp Pav | 1.9400 | 26000. | 81 | 48910 | No |
| 7 | GOM_TRA_1PNPDE20110708_002100_000000283104_00189_48910_1538.N1 | 08-JUL-2011 00:21:00 | Straylight | 28.000 | 172 | Gam Gru | 3.0030 | 13100. | 56 | 48910 | No |
| 8 | GOM_TRA_1PNPDE20110708_002839_000000533104_00189_48910_1539.N1 | 08-JUL-2011 00:28:39 | Bright | 52.500 | 103 | 38Zet Sgr | 2.6000 | 9700.0 | 105 | 48910 | No |
| 9 | GOM_TRA_1PNPDE20110708_003114_000000423104_00189_48910_1540.N1 | 08-JUL-2011 00:31:14 | Bright | 41.500 | 155 | 41Pi Sgr | 2.9000 | 6600.0 | 83 | 48910 | No |
| 10 | GOM_TRA_1PNPDE20110708_004234_000000423104_00189_48910_1541.N1 | 08-JUL-2011 00:42:34 | Bright | 41.500 | 168 | 17Zet Aql | 2.9860 | 11000. | 83 | 48910 | No |
| 11 | GOM_TRA_1PNPDE20110708_004936_000000383104_00189_48910_1542.N1 | 08-JUL-2011 00:49:36 | Bright | 38.000 | 5 | 3Alp Lyr | 0.033000 | 11000. | 76 | 48910 | No |
| 12 | GOM_TRA_1PNPDE20110708_005241_000000383104_00189_48910_1543.N1 | 08-JUL-2011 00:52:41 | Bright | 38.000 | 69 | 33Gam Dra | 2.2310 | 3800.0 | 76 | 48910 | No |
| 13 | GOM_TRA_1PNPDE20110708_010035_000000453104_00189_48910_1544.N1 | 08-JUL-2011 01:00:35 | Bright | 44.500 | 89 | 5Alp Cep | 2.4510 | 8000.0 | 89 | 48910 | No |
| 14 | GOM_TRA_1PNPDE20110708_010911_000000483104_00189_48910_1545.N1 | 08-JUL-2011 01:09:11 | Bright | 47.500 | 76 | 27Gam Cas | 2.3000 | 30000. | 95 | 48910 | No |

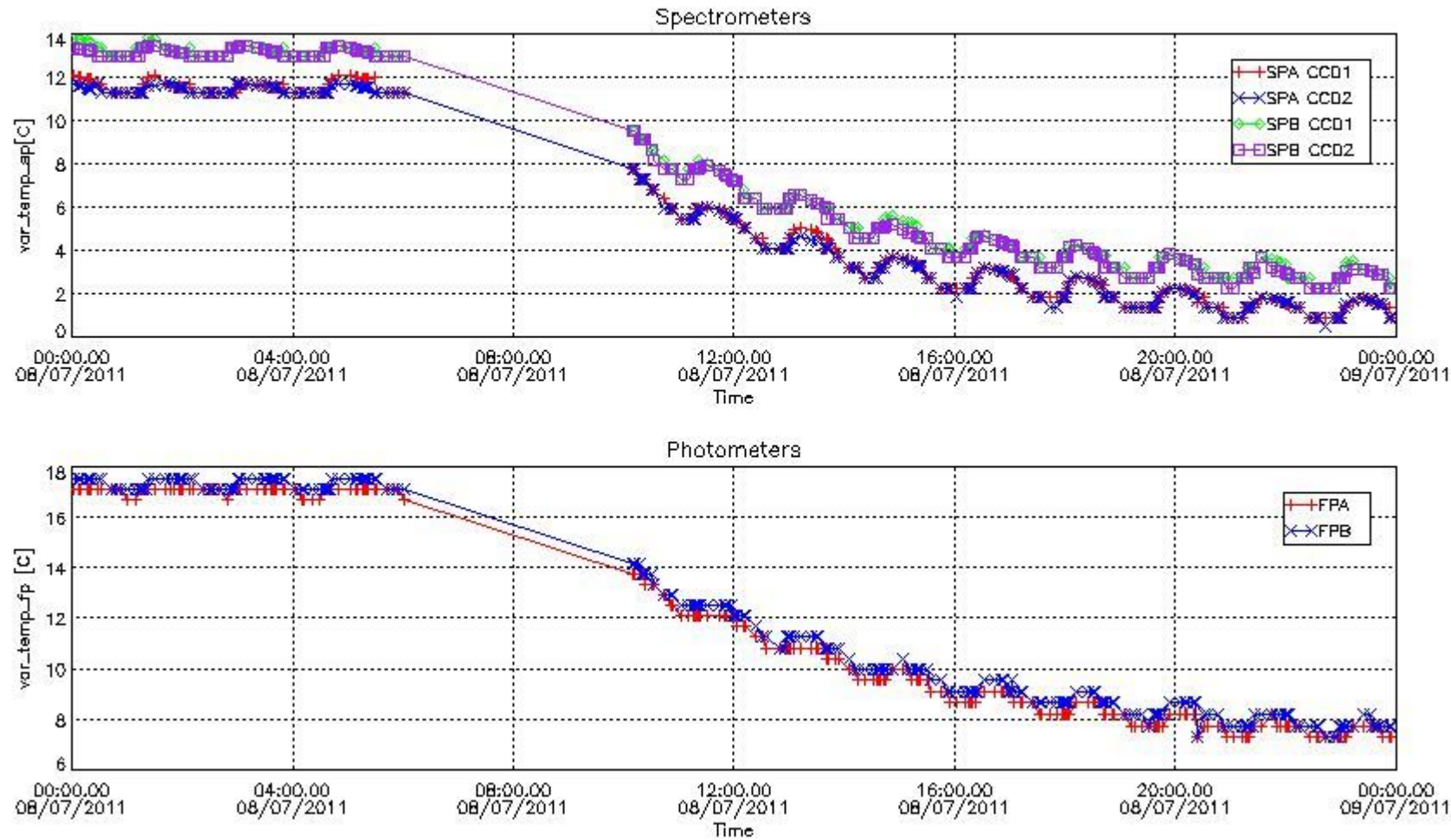
| | | | | | | | | | | | |
|----|--|----------------------|--------------|--------|-----|-----------|----------|--------|-----|-------|----|
| 15 | GOM_TRA_1PNPDE20110708_011336_000000593104_00189_48910_1546.N1 | 08-JUL-2011 01:13:36 | Bright | 59.000 | 160 | 23Gam Per | 2.9300 | 4700.0 | 118 | 48910 | No |
| 16 | GOM_TRA_1PNPDE20110708_011531_000000463104_00189_48910_1547.N1 | 08-JUL-2011 01:15:31 | Bright | 46.000 | 175 | 39Del Per | 3.0100 | 19400. | 92 | 48910 | No |
| 17 | GOM_TRA_1PNPDE20110708_011739_000000423104_00189_48910_1548.N1 | 08-JUL-2011 01:17:39 | Bright | 42.000 | 79 | 26Bet Per | 2.3100 | 13100. | 84 | 48910 | No |
| 18 | GOM_TRA_1PNPDE20110708_012017_000000423104_00189_48910_1549.N1 | 08-JUL-2011 01:20:17 | Bright | 41.500 | 150 | 44Zet Per | 2.8900 | 28000. | 83 | 48910 | No |
| 19 | GOM_TRA_1PNPDE20110708_012242_000000423104_00189_48910_1550.N1 | 08-JUL-2011 01:22:42 | Twilight | 42.000 | 146 | 25Eta Tau | 2.8730 | 15200. | 84 | 48910 | No |
| 20 | GOM_TRA_1PNPDE20110708_012952_000000553104_00189_48910_1551.N1 | 08-JUL-2011 01:29:52 | Dark | 55.000 | 94 | 92Alp Cet | 2.5260 | 3100.0 | 110 | 48910 | No |
| 21 | GOM_TRA_1PNPDE20110708_014158_000000423104_00189_48910_1556.N1 | 08-JUL-2011 01:41:58 | Dark | 42.000 | 157 | The1Eri | 2.9060 | 9300.0 | 84 | 48910 | No |
| 22 | GOM_TRA_1PNPDE20110708_014808_000000403104_00190_48911_1557.N1 | 08-JUL-2011 01:48:08 | Dark | 40.000 | 9 | Alp Eri | 0.45300 | 24000. | 80 | 48911 | No |
| 23 | GOM_TRA_1PNPDE20110708_015009_000000503104_00190_48911_1558.N1 | 08-JUL-2011 01:50:09 | Dark | 50.000 | 84 | Alp Phe | 2.3970 | 4500.0 | 100 | 48911 | No |
| 24 | GOM_TRA_1PNPDE20110708_015622_000000633104_00190_48911_1559.N1 | 08-JUL-2011 01:56:22 | Straylight | 62.500 | 63 | Bet Gru | 2.1500 | 2800.0 | 125 | 48911 | No |
| 25 | GOM_TRA_1PNPDE20110708_015809_000000493104_00190_48911_1560.N1 | 08-JUL-2011 01:58:09 | Straylight | 48.500 | 31 | Alp Gru | 1.7340 | 15200. | 97 | 48911 | No |
| 26 | GOM_TRA_1PNPDE20110708_015947_000000413104_00190_48911_1561.N1 | 08-JUL-2011 01:59:47 | Straylight | 40.500 | 45 | Alp Pav | 1.9400 | 26000. | 81 | 48911 | No |
| 27 | GOM_TRA_1PNPDE20110708_020115_000000283104_00190_48911_1562.N1 | 08-JUL-2011 02:01:15 | Straylight | 28.000 | 172 | Gam Gru | 3.0030 | 13100. | 56 | 48911 | No |
| 28 | GOM_TRA_1PNPDE20110708_020853_000000463104_00190_48911_1563.N1 | 08-JUL-2011 02:08:53 | Bright | 45.500 | 103 | 38Zet Sgr | 2.6000 | 9700.0 | 91 | 48911 | No |
| 29 | GOM_TRA_1PNPDE20110708_021128_000000423104_00190_48911_1564.N1 | 08-JUL-2011 02:11:28 | Bright | 41.500 | 155 | 41Pi Sgr | 2.9000 | 6600.0 | 83 | 48911 | No |
| 30 | GOM_TRA_1PNPDE20110708_022247_000000633104_00190_48911_1565.N1 | 08-JUL-2011 02:22:47 | Bright | 63.000 | 168 | 17Zet Aql | 2.9860 | 11000. | 126 | 48911 | No |
| 31 | GOM_TRA_1PNPDE20110708_022950_000000423104_00190_48911_1566.N1 | 08-JUL-2011 02:29:50 | Bright | 42.000 | 5 | 3Alp Lyr | 0.033000 | 11000. | 84 | 48911 | No |
| 32 | GOM_TRA_1PNPDE20110708_023254_000000383104_00190_48911_1567.N1 | 08-JUL-2011 02:32:54 | Bright | 38.000 | 69 | 33Gam Dra | 2.2310 | 3800.0 | 76 | 48911 | No |
| 33 | GOM_TRA_1PNPDE20110708_024049_000000443104_00190_48911_1568.N1 | 08-JUL-2011 02:40:49 | Bright | 44.000 | 89 | 5Alp Cep | 2.4510 | 8000.0 | 88 | 48911 | No |
| 34 | GOM_TRA_1PNPDE20110708_024924_000000583104_00190_48911_1581.N1 | 08-JUL-2011 02:49:24 | Bright | 58.000 | 76 | 27Gam Cas | 2.3000 | 30000. | 116 | 48911 | No |
| 35 | GOM_TRA_1PNPDE20110708_025350_000000593104_00190_48911_1582.N1 | 08-JUL-2011 02:53:50 | Bright | 59.000 | 160 | 23Gam Per | 2.9300 | 4700.0 | 118 | 48911 | No |
| 36 | GOM_TRA_1PNPDE20110708_025545_000000353104_00190_48911_1583.N1 | 08-JUL-2011 02:55:45 | Bright | 35.000 | 175 | 39Del Per | 3.0100 | 19400. | 70 | 48911 | No |
| 37 | GOM_TRA_1PNPDE20110708_025753_000000413104_00190_48911_1584.N1 | 08-JUL-2011 02:57:53 | Bright | 41.000 | 79 | 26Bet Per | 2.3100 | 13100. | 82 | 48911 | No |
| 38 | GOM_TRA_1PNPDE20110708_030032_000000423104_00190_48911_1585.N1 | 08-JUL-2011 03:00:32 | Bright | 41.500 | 150 | 44Zet Per | 2.8900 | 28000. | 83 | 48911 | No |
| 39 | GOM_TRA_1PNPDE20110708_030256_000000413104_00190_48911_1586.N1 | 08-JUL-2011 03:02:56 | Twilight | 40.500 | 146 | 25Eta Tau | 2.8730 | 15200. | 81 | 48911 | No |
| 40 | GOM_TRA_1PNPDE20110708_031006_000000523104_00190_48911_1587.N1 | 08-JUL-2011 03:10:06 | Dark | 52.000 | 94 | 92Alp Cet | 2.5260 | 3100.0 | 104 | 48911 | No |
| 41 | GOM_TRA_1PNPDE20110708_032212_000000413104_00190_48911_1588.N1 | 08-JUL-2011 03:22:12 | Dark | 41.000 | 157 | The1Eri | 2.9060 | 9300.0 | 82 | 48911 | No |
| 42 | GOM_TRA_1PNPDE20110708_032822_000000413104_00191_48912_1589.N1 | 08-JUL-2011 03:28:22 | Dark | 40.500 | 9 | Alp Eri | 0.45300 | 24000. | 81 | 48912 | No |
| 43 | GOM_TRA_1PNPDE20110708_033024_000000503104_00191_48912_1590.N1 | 08-JUL-2011 03:30:24 | Dark | 50.000 | 84 | Alp Phe | 2.3970 | 4500.0 | 100 | 48912 | No |
| 44 | GOM_TRA_1PNPDE20110708_033637_000000523104_00191_48912_1591.N1 | 08-JUL-2011 03:36:37 | Straylight | 52.000 | 63 | Bet Gru | 2.1500 | 2800.0 | 104 | 48912 | No |
| 45 | GOM_TRA_1PNPDE20110708_033823_000000483104_00191_48912_1592.N1 | 08-JUL-2011 03:38:23 | Straylight | 47.500 | 31 | Alp Gru | 1.7340 | 15200. | 95 | 48912 | No |
| 46 | GOM_TRA_1PNPDE20110708_034002_000000423104_00191_48912_1593.N1 | 08-JUL-2011 03:40:02 | Straylight | 41.500 | 45 | Alp Pav | 1.9400 | 26000. | 83 | 48912 | No |
| 47 | GOM_TRA_1PNPDE20110708_034130_000000303104_00191_48912_1594.N1 | 08-JUL-2011 03:41:30 | Straylight | 30.000 | 172 | Gam Gru | 3.0030 | 13100. | 60 | 48912 | No |
| 48 | GOM_TRA_1PNPDE20110708_034908_000000453104_00191_48912_1595.N1 | 08-JUL-2011 03:49:08 | Bright | 45.000 | 103 | 38Zet Sgr | 2.6000 | 9700.0 | 90 | 48912 | No |
| 49 | GOM_TRA_1PNPDE20110708_035143_000000423104_00191_48912_1596.N1 | 08-JUL-2011 03:51:43 | Bright | 42.000 | 155 | 41Pi Sgr | 2.9000 | 6600.0 | 84 | 48912 | No |
| 50 | GOM_TRA_1PNPDE20110708_040301_000000433104_00191_48912_1597.N1 | 08-JUL-2011 04:03:01 | Bright | 42.500 | 168 | 17Zet Aql | 2.9860 | 11000. | 85 | 48912 | No |
| 51 | GOM_TRA_1PNPDE20110708_041003_000000493104_00191_48912_1598.N1 | 08-JUL-2011 04:10:03 | Bright | 49.000 | 5 | 3Alp Lyr | 0.033000 | 11000. | 98 | 48912 | No |
| 52 | GOM_TRA_1PNPDE20110708_041308_000000353104_00191_48912_1599.N1 | 08-JUL-2011 04:13:08 | Bright | 35.000 | 69 | 33Gam Dra | 2.2310 | 3800.0 | 70 | 48912 | No |
| 53 | GOM_TRA_1PNPDE20110708_042102_000000443104_00191_48912_1600.N1 | 08-JUL-2011 04:21:02 | Bright | 43.500 | 89 | 5Alp Cep | 2.4510 | 8000.0 | 87 | 48912 | No |
| 54 | GOM_TRA_1PNPDE20110708_042938_000000583104_00191_48912_1607.N1 | 08-JUL-2011 04:29:38 | Bright | 58.000 | 76 | 27Gam Cas | 2.3000 | 30000. | 116 | 48912 | No |
| 55 | GOM_TRA_1PNPDE20110708_043404_000000383104_00191_48912_1608.N1 | 08-JUL-2011 04:34:04 | Bright | 37.500 | 160 | 23Gam Per | 2.9300 | 4700.0 | 75 | 48912 | No |
| 56 | GOM_TRA_1PNPDE20110708_043559_000000373104_00191_48912_1609.N1 | 08-JUL-2011 04:35:59 | Bright | 37.000 | 175 | 39Del Per | 3.0100 | 19400. | 74 | 48912 | No |
| 57 | GOM_TRA_1PNPDE20110708_043807_000000443104_00191_48912_1610.N1 | 08-JUL-2011 04:38:07 | Bright | 43.500 | 79 | 26Bet Per | 2.3100 | 13100. | 87 | 48912 | No |
| 58 | GOM_TRA_1PNPDE20110708_044046_000000443104_00191_48912_1611.N1 | 08-JUL-2011 04:40:46 | Bright | 44.000 | 150 | 44Zet Per | 2.8900 | 28000. | 88 | 48912 | No |
| 59 | GOM_TRA_1PNPDE20110708_044310_000000403104_00191_48912_1612.N1 | 08-JUL-2011 04:43:10 | Twilight | 40.000 | 146 | 25Eta Tau | 2.8730 | 15200. | 80 | 48912 | No |
| 60 | GOM_TRA_1PNPDE20110708_045021_000000523104_00191_48912_1613.N1 | 08-JUL-2011 04:50:21 | Dark | 52.000 | 94 | 92Alp Cet | 2.5260 | 3100.0 | 104 | 48912 | No |
| 61 | GOM_TRA_1PNPDE20110708_050227_000000403104_00191_48912_1614.N1 | 08-JUL-2011 05:02:27 | Dark | 39.500 | 157 | The1Eri | 2.9060 | 9300.0 | 79 | 48912 | No |
| 62 | GOM_TRA_1PNPDE20110708_050837_000000563104_00192_48913_1615.N1 | 08-JUL-2011 05:08:37 | Dark | 55.500 | 9 | Alp Eri | 0.45300 | 24000. | 111 | 48913 | No |
| 63 | GOM_TRA_1PNPDE20110708_051039_000000513104_00192_48913_1616.N1 | 08-JUL-2011 05:10:39 | Dark | 50.500 | 84 | Alp Phe | 2.3970 | 4500.0 | 101 | 48913 | No |
| 64 | GOM_TRA_1PNPDE20110708_051652_000000513104_00192_48913_1617.N1 | 08-JUL-2011 05:16:52 | Straylight | 51.000 | 63 | Bet Gru | 2.1500 | 2800.0 | 102 | 48913 | No |
| 65 | GOM_TRA_1PNPDE20110708_051838_000000523104_00192_48913_1618.N1 | 08-JUL-2011 05:18:38 | Straylight | 52.000 | 31 | Alp Gru | 1.7340 | 15200. | 104 | 48913 | No |
| 66 | GOM_TRA_1PNPDE20110708_052016_000000423104_00192_48913_1619.N1 | 08-JUL-2011 05:20:16 | Straylight | 41.500 | 45 | Alp Pav | 1.9400 | 26000. | 83 | 48913 | No |
| 67 | GOM_TRA_1PNPDE20110708_052145_000000303104_00192_48913_1620.N1 | 08-JUL-2011 05:21:45 | Straylight | 30.000 | 172 | Gam Gru | 3.0030 | 13100. | 60 | 48913 | No |
| 68 | GOM_TRA_1PNPDE20110708_052922_000000413104_00192_48913_1621.N1 | 08-JUL-2011 05:29:22 | Tw_and_stray | 41.000 | 103 | 38Zet Sgr | 2.6000 | 9700.0 | 82 | 48913 | No |
| 69 | GOM_TRA_1PNPDE20110708_053157_000000423104_00192_48913_1622.N1 | 08-JUL-2011 05:31:57 | Bright | 41.500 | 155 | 41Pi Sgr | 2.9000 | 6600.0 | 83 | 48913 | No |
| 70 | GOM_TRA_1PNPDE20110708_054315_000000433104_00192_48913_1623.N1 | 08-JUL-2011 05:43:15 | Bright | 43.000 | 168 | 17Zet Aql | 2.9860 | 11000. | 86 | 48913 | No |
| 71 | GOM_TRA_1PNPDE20110708_055017_000000583104_00192_48913_1624.N1 | 08-JUL-2011 05:50:17 | Bright | 58.000 | 5 | 3Alp Lyr | 0.033000 | 11000. | 116 | 48913 | No |
| 72 | GOM_TRA_1PNPDE20110708_055322_000000393104_00192_48913_1625.N1 | 08-JUL-2011 05:53:22 | Bright | 38.500 | 69 | 33Gam Dra | 2.2310 | 3800.0 | 77 | 48913 | No |
| 73 | GOM_TRA_1PNPDE20110708_060115_000000453104_00192_48913_1626.N1 | 08-JUL-2011 06:01:15 | Bright | 45.000 | 89 | 5Alp Cep | 2.4510 | 8000.0 | 90 | 48913 | No |

| | | | | | | | | | | | |
|-----|--|----------------------|------------|--------|-----|-----------|----------|--------|-----|-------|----|
| 74 | GOM_TRA_1PNPDK20110708_100921_000000533104_00195_48916_2960.N1 | 08-JUL-2011 10:09:21 | Dark | 52.500 | 9 | Alp Eri | 0.45300 | 24000. | 105 | 48916 | No |
| 75 | GOM_TRA_1PNPDK20110708_101124_000000523104_00195_48916_2961.N1 | 08-JUL-2011 10:11:24 | Dark | 51.500 | 84 | Alp Phe | 2.3970 | 4500.0 | 103 | 48916 | No |
| 76 | GOM_TRA_1PNPDK20110708_101737_000000643104_00195_48916_2962.N1 | 08-JUL-2011 10:17:37 | Straylight | 63.500 | 63 | Bet Gru | 2.1500 | 2800.0 | 127 | 48916 | No |
| 77 | GOM_TRA_1PNPDK20110708_101923_000000473104_00195_48916_2963.N1 | 08-JUL-2011 10:19:23 | Straylight | 46.500 | 31 | Alp Gru | 1.7340 | 15200. | 93 | 48916 | No |
| 78 | GOM_TRA_1PNPDK20110708_102059_000000433104_00195_48916_2964.N1 | 08-JUL-2011 10:20:59 | Straylight | 43.000 | 45 | Alp Pav | 1.9400 | 26000. | 86 | 48916 | No |
| 79 | GOM_TRA_1PNPDK20110708_102229_000000343104_00195_48916_2965.N1 | 08-JUL-2011 10:22:29 | Straylight | 34.000 | 172 | Gam Gru | 3.0030 | 13100. | 68 | 48916 | No |
| 80 | GOM_TRA_1PNPDK20110708_103005_000000453104_00195_48916_2966.N1 | 08-JUL-2011 10:30:05 | Bright | 44.500 | 103 | 38Zet Sgr | 2.6000 | 9700.0 | 89 | 48916 | No |
| 81 | GOM_TRA_1PNPDK20110708_103239_000000413104_00195_48916_2967.N1 | 08-JUL-2011 10:32:39 | Bright | 41.000 | 155 | 41Pi Sgr | 2.9000 | 6600.0 | 82 | 48916 | No |
| 82 | GOM_TRA_1PNPDK20110708_104356_000000633104_00195_48916_3018.N1 | 08-JUL-2011 10:43:56 | Bright | 63.000 | 168 | 17Zet Aql | 2.9860 | 11000. | 126 | 48916 | No |
| 83 | GOM_TRA_1PNPDK20110708_105058_000000413104_00195_48916_3019.N1 | 08-JUL-2011 10:50:58 | Bright | 40.500 | 5 | 3Alp Lyr | 0.033000 | 11000. | 81 | 48916 | No |
| 84 | GOM_TRA_1PNPDK20110708_105404_000000403104_00195_48916_3020.N1 | 08-JUL-2011 10:54:04 | Bright | 39.500 | 69 | 33Gam Dra | 2.2310 | 3800.0 | 79 | 48916 | No |
| 85 | GOM_TRA_1PNPDK20110708_110155_000000463104_00195_48916_3021.N1 | 08-JUL-2011 11:01:55 | Bright | 45.500 | 89 | 5Alp Cep | 2.4510 | 8000.0 | 91 | 48916 | No |
| 86 | GOM_TRA_1PNPDK20110708_111032_000000473104_00195_48916_3022.N1 | 08-JUL-2011 11:10:32 | Bright | 47.000 | 76 | 27Gam Cas | 2.3000 | 30000. | 94 | 48916 | No |
| 87 | GOM_TRA_1PNPDK20110708_111500_000000593104_00195_48916_3023.N1 | 08-JUL-2011 11:15:00 | Bright | 59.000 | 160 | 23Gam Per | 2.9300 | 4700.0 | 118 | 48916 | No |
| 88 | GOM_TRA_1PNPDK20110708_111655_000000393104_00195_48916_3024.N1 | 08-JUL-2011 11:16:55 | Bright | 38.500 | 175 | 39Del Per | 3.0100 | 19400. | 77 | 48916 | No |
| 89 | GOM_TRA_1PNPDK20110708_111903_000000443104_00195_48916_3025.N1 | 08-JUL-2011 11:19:03 | Bright | 44.000 | 79 | 26Bet Per | 2.3100 | 13100. | 88 | 48916 | No |
| 90 | GOM_TRA_1PNPDK20110708_112142_000000423104_00195_48916_3026.N1 | 08-JUL-2011 11:21:42 | Bright | 42.000 | 150 | 44Zet Per | 2.8900 | 28000. | 84 | 48916 | No |
| 91 | GOM_TRA_1PNPDK20110708_112407_000000433104_00195_48916_3027.N1 | 08-JUL-2011 11:24:07 | Twilight | 43.000 | 146 | 25Eta Tau | 2.8730 | 15200. | 86 | 48916 | No |
| 92 | GOM_TRA_1PNPDK20110708_113119_000000513104_00195_48916_3028.N1 | 08-JUL-2011 11:31:19 | Dark | 51.000 | 94 | 92Alp Cet | 2.5260 | 3100.0 | 102 | 48916 | No |
| 93 | GOM_TRA_1PNPDK20110708_114325_000000413104_00195_48916_3029.N1 | 08-JUL-2011 11:43:25 | Dark | 40.500 | 157 | The1Eri | 2.9060 | 9300.0 | 81 | 48916 | No |
| 94 | GOM_TRA_1PNPDK20110708_114935_000000503104_00196_48917_3030.N1 | 08-JUL-2011 11:49:35 | Dark | 50.000 | 9 | Alp Eri | 0.45300 | 24000. | 100 | 48917 | No |
| 95 | GOM_TRA_1PNPDK20110708_115139_000000513104_00196_48917_3031.N1 | 08-JUL-2011 11:51:39 | Dark | 50.500 | 84 | Alp Phe | 2.3970 | 4500.0 | 101 | 48917 | No |
| 96 | GOM_TRA_1PNPDK20110708_115751_000000523104_00196_48917_3032.N1 | 08-JUL-2011 11:57:51 | Straylight | 51.500 | 63 | Bet Gru | 2.1500 | 2800.0 | 103 | 48917 | No |
| 97 | GOM_TRA_1PNPDK20110708_115938_000000513104_00196_48917_3033.N1 | 08-JUL-2011 11:59:38 | Straylight | 50.500 | 31 | Alp Gru | 1.7340 | 15200. | 101 | 48917 | No |
| 98 | GOM_TRA_1PNPDK20110708_120114_000000413104_00196_48917_3034.N1 | 08-JUL-2011 12:01:14 | Straylight | 41.000 | 45 | Alp Pav | 1.9400 | 26000. | 82 | 48917 | No |
| 99 | GOM_TRA_1PNPDK20110708_120244_000000343104_00196_48917_3035.N1 | 08-JUL-2011 12:02:44 | Straylight | 34.000 | 172 | Gam Gru | 3.0030 | 13100. | 68 | 48917 | No |
| 100 | GOM_TRA_1PNPDK20110708_121019_000000423104_00196_48917_3036.N1 | 08-JUL-2011 12:10:19 | Bright | 42.000 | 103 | 38Zet Sgr | 2.6000 | 9700.0 | 84 | 48917 | No |
| 101 | GOM_TRA_1PNPDK20110708_121253_000000393104_00196_48917_3037.N1 | 08-JUL-2011 12:12:53 | Bright | 38.500 | 155 | 41Pi Sgr | 2.9000 | 6600.0 | 77 | 48917 | No |
| 102 | GOM_TRA_1PNPDK20110708_122410_000000433104_00196_48917_3089.N1 | 08-JUL-2011 12:24:10 | Bright | 42.500 | 168 | 17Zet Aql | 2.9860 | 11000. | 85 | 48917 | No |
| 103 | GOM_TRA_1PNPDK20110708_123112_000000383104_00196_48917_3090.N1 | 08-JUL-2011 12:31:12 | Bright | 38.000 | 5 | 3Alp Lyr | 0.033000 | 11000. | 76 | 48917 | No |
| 104 | GOM_TRA_1PNPDK20110708_123418_000000403104_00196_48917_3091.N1 | 08-JUL-2011 12:34:18 | Bright | 39.500 | 69 | 33Gam Dra | 2.2310 | 3800.0 | 79 | 48917 | No |
| 105 | GOM_TRA_1PNPDK20110708_125046_000000523104_00196_48917_3092.N1 | 08-JUL-2011 12:50:46 | Bright | 52.000 | 76 | 27Gam Cas | 2.3000 | 30000. | 104 | 48917 | No |
| 106 | GOM_TRA_1PNPDK20110708_125514_000000413104_00196_48917_3093.N1 | 08-JUL-2011 12:55:14 | Bright | 41.000 | 160 | 23Gam Per | 2.9300 | 4700.0 | 82 | 48917 | No |
| 107 | GOM_TRA_1PNPDK20110708_125708_000000363104_00196_48917_3094.N1 | 08-JUL-2011 12:57:08 | Bright | 36.000 | 175 | 39Del Per | 3.0100 | 19400. | 72 | 48917 | No |
| 108 | GOM_TRA_1PNPDK20110708_125917_000000423104_00196_48917_3095.N1 | 08-JUL-2011 12:59:17 | Bright | 41.500 | 79 | 26Bet Per | 2.3100 | 13100. | 83 | 48917 | No |
| 109 | GOM_TRA_1PNPDK20110708_130156_000000433104_00196_48917_3096.N1 | 08-JUL-2011 13:01:56 | Bright | 42.500 | 150 | 44Zet Per | 2.8900 | 28000. | 85 | 48917 | No |
| 110 | GOM_TRA_1PNPDK20110708_130421_000000433104_00196_48917_3097.N1 | 08-JUL-2011 13:04:21 | Twilight | 42.500 | 146 | 25Eta Tau | 2.8730 | 15200. | 85 | 48917 | No |
| 111 | GOM_TRA_1PNPDK20110708_131133_000000543104_00196_48917_3098.N1 | 08-JUL-2011 13:11:33 | Dark | 53.500 | 94 | 92Alp Cet | 2.5260 | 3100.0 | 107 | 48917 | No |
| 112 | GOM_TRA_1PNPDK20110708_132339_000000423104_00196_48917_3099.N1 | 08-JUL-2011 13:23:39 | Dark | 41.500 | 157 | The1Eri | 2.9060 | 9300.0 | 83 | 48917 | No |
| 113 | GOM_TRA_1PNPDK20110708_132950_000000433104_00197_48918_3100.N1 | 08-JUL-2011 13:29:50 | Dark | 43.000 | 9 | Alp Eri | 0.45300 | 24000. | 86 | 48918 | No |
| 114 | GOM_TRA_1PNPDK20110708_133154_000000543104_00197_48918_3101.N1 | 08-JUL-2011 13:31:54 | Dark | 54.000 | 84 | Alp Phe | 2.3970 | 4500.0 | 108 | 48918 | No |
| 115 | GOM_TRA_1PNPDK20110708_133806_000000543104_00197_48918_3102.N1 | 08-JUL-2011 13:38:06 | Straylight | 53.500 | 63 | Bet Gru | 2.1500 | 2800.0 | 107 | 48918 | No |
| 116 | GOM_TRA_1PNPDK20110708_133952_000000503104_00197_48918_3103.N1 | 08-JUL-2011 13:39:52 | Straylight | 50.000 | 31 | Alp Gru | 1.7340 | 15200. | 100 | 48918 | No |
| 117 | GOM_TRA_1PNPDK20110708_134128_000000413104_00197_48918_3104.N1 | 08-JUL-2011 13:41:28 | Straylight | 40.500 | 45 | Alp Pav | 1.9400 | 26000. | 81 | 48918 | No |
| 118 | GOM_TRA_1PNPDK20110708_134259_000000363104_00197_48918_3105.N1 | 08-JUL-2011 13:42:59 | Straylight | 36.000 | 172 | Gam Gru | 3.0030 | 13100. | 72 | 48918 | No |
| 119 | GOM_TRA_1PNPDK20110708_135033_000000463104_00197_48918_3106.N1 | 08-JUL-2011 13:50:33 | Bright | 46.000 | 103 | 38Zet Sgr | 2.6000 | 9700.0 | 92 | 48918 | No |
| 120 | GOM_TRA_1PNPDK20110708_135307_000000413104_00197_48918_3107.N1 | 08-JUL-2011 13:53:07 | Bright | 41.000 | 155 | 41Pi Sgr | 2.9000 | 6600.0 | 82 | 48918 | No |
| 121 | GOM_TRA_1PNPDK20110708_140423_000000433104_00197_48918_3144.N1 | 08-JUL-2011 14:04:23 | Bright | 43.000 | 168 | 17Zet Aql | 2.9860 | 11000. | 86 | 48918 | No |
| 122 | GOM_TRA_1PNPDK20110708_141125_000000403104_00197_48918_3145.N1 | 08-JUL-2011 14:11:25 | Bright | 40.000 | 5 | 3Alp Lyr | 0.033000 | 11000. | 80 | 48918 | No |
| 123 | GOM_TRA_1PNPDK20110708_141431_000000393104_00197_48918_3146.N1 | 08-JUL-2011 14:14:31 | Bright | 39.000 | 69 | 33Gam Dra | 2.2310 | 3800.0 | 78 | 48918 | No |
| 124 | GOM_TRA_1PNPDK20110708_142222_000000453104_00197_48918_3147.N1 | 08-JUL-2011 14:22:22 | Bright | 44.500 | 89 | 5Alp Cep | 2.4510 | 8000.0 | 89 | 48918 | No |
| 125 | GOM_TRA_1PNPDK20110708_143059_000000673104_00197_48918_3148.N1 | 08-JUL-2011 14:30:59 | Bright | 67.000 | 76 | 27Gam Cas | 2.3000 | 30000. | 134 | 48918 | No |
| 126 | GOM_TRA_1PNPDK20110708_143527_000000393104_00197_48918_3149.N1 | 08-JUL-2011 14:35:27 | Bright | 38.500 | 160 | 23Gam Per | 2.9300 | 4700.0 | 77 | 48918 | No |
| 127 | GOM_TRA_1PNPDK20110708_143722_000000363104_00197_48918_3150.N1 | 08-JUL-2011 14:37:22 | Bright | 36.000 | 175 | 39Del Per | 3.0100 | 19400. | 72 | 48918 | No |
| 128 | GOM_TRA_1PNPDK20110708_143931_000000433104_00197_48918_3151.N1 | 08-JUL-2011 14:39:31 | Bright | 42.500 | 79 | 26Bet Per | 2.3100 | 13100. | 85 | 48918 | No |
| 129 | GOM_TRA_1PNPDK20110708_144210_000000413104_00197_48918_3152.N1 | 08-JUL-2011 14:42:10 | Bright | 41.000 | 150 | 44Zet Per | 2.8900 | 28000. | 82 | 48918 | No |
| 130 | GOM_TRA_1PNPDK20110708_144436_000000413104_00197_48918_3153.N1 | 08-JUL-2011 14:44:36 | Twilight | 41.000 | 146 | 25Eta Tau | 2.8730 | 15200. | 82 | 48918 | No |
| 131 | GOM_TRA_1PNPDK20110708_145148_000000533104_00197_48918_3154.N1 | 08-JUL-2011 14:51:48 | Dark | 53.000 | 94 | 92Alp Cet | 2.5260 | 3100.0 | 106 | 48918 | No |
| 132 | GOM_TRA_1PNPDK20110708_150354_000000423104_00197_48918_3155.N1 | 08-JUL-2011 15:03:54 | Dark | 41.500 | 157 | The1Eri | 2.9060 | 9300.0 | 83 | 48918 | No |

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|-----|--|----------------------|------------|--------|-----|-----------|----------|--------|-----|-------|----|
| 133 | GOM_TRA_1PNPDK20110708_151004_000000493104_00198_48919_3156.N1 | 08-JUL-2011 15:10:04 | Dark | 49.000 | 9 | Alp Eri | 0.45300 | 24000. | 98 | 48919 | No |
| 134 | GOM_TRA_1PNPDK20110708_151210_000000513104_00198_48919_3157.N1 | 08-JUL-2011 15:12:10 | Dark | 51.000 | 84 | Alp Phe | 2.3970 | 4500.0 | 102 | 48919 | No |
| 135 | GOM_TRA_1PNPDK20110708_151821_000000533104_00198_48919_3158.N1 | 08-JUL-2011 15:18:21 | Straylight | 52.500 | 63 | Bet Gru | 2.1500 | 2800.0 | 105 | 48919 | No |
| 136 | GOM_TRA_1PNPDK20110708_152007_000000493104_00198_48919_3159.N1 | 08-JUL-2011 15:20:07 | Straylight | 48.500 | 31 | Alp Gru | 1.7340 | 15200. | 97 | 48919 | No |
| 137 | GOM_TRA_1PNPDK20110708_152142_000000403104_00198_48919_3160.N1 | 08-JUL-2011 15:21:42 | Straylight | 40.000 | 45 | Alp Pav | 1.9400 | 26000. | 80 | 48919 | No |
| 138 | GOM_TRA_1PNPDK20110708_152314_000000363104_00198_48919_3161.N1 | 08-JUL-2011 15:23:14 | Straylight | 36.000 | 172 | Gam Gru | 3.0030 | 13100. | 72 | 48919 | No |
| 139 | GOM_TRA_1PNPDK20110708_153047_000000433104_00198_48919_3162.N1 | 08-JUL-2011 15:30:47 | Bright | 43.000 | 103 | 38Zet Sgr | 2.6000 | 9700.0 | 86 | 48919 | No |
| 140 | GOM_TRA_1PNPDK20110708_153322_000000413104_00198_48919_3169.N1 | 08-JUL-2011 15:33:22 | Bright | 41.000 | 155 | 41Pi Sgr | 2.9000 | 6600.0 | 82 | 48919 | No |
| 141 | GOM_TRA_1PNPDK20110708_154437_000000443104_00198_48919_3170.N1 | 08-JUL-2011 15:44:37 | Bright | 43.500 | 168 | 17Zet Aql | 2.9860 | 11000. | 87 | 48919 | No |
| 142 | GOM_TRA_1PNPDK20110708_155139_000000443104_00198_48919_3171.N1 | 08-JUL-2011 15:51:39 | Bright | 44.000 | 5 | 3Alp Lyr | 0.033000 | 11000. | 88 | 48919 | No |
| 143 | GOM_TRA_1PNPDK20110708_155445_000000393104_00198_48919_3172.N1 | 08-JUL-2011 15:54:45 | Bright | 39.000 | 69 | 33Gam Dra | 2.2310 | 3800.0 | 78 | 48919 | No |
| 144 | GOM_TRA_1PNPDK20110708_160236_000000453104_00198_48919_3173.N1 | 08-JUL-2011 16:02:36 | Bright | 44.500 | 89 | 5Alp Cep | 2.4510 | 8000.0 | 89 | 48919 | No |
| 145 | GOM_TRA_1PNPDK20110708_161113_000000673104_00198_48919_3174.N1 | 08-JUL-2011 16:11:13 | Bright | 67.000 | 76 | 27Gam Cas | 2.3000 | 30000. | 134 | 48919 | No |
| 146 | GOM_TRA_1PNPDK20110708_161541_000000473104_00198_48919_3175.N1 | 08-JUL-2011 16:15:41 | Bright | 46.500 | 160 | 23Gam Per | 2.9300 | 4700.0 | 93 | 48919 | No |
| 147 | GOM_TRA_1PNPDK20110708_161736_000000533104_00198_48919_3176.N1 | 08-JUL-2011 16:17:36 | Bright | 53.000 | 175 | 39Del Per | 3.0100 | 19400. | 106 | 48919 | No |
| 148 | GOM_TRA_1PNPDK20110708_161945_000000473104_00198_48919_3177.N1 | 08-JUL-2011 16:19:45 | Bright | 46.500 | 79 | 26Bet Per | 2.3100 | 13100. | 93 | 48919 | No |
| 149 | GOM_TRA_1PNPDK20110708_162225_000000423104_00198_48919_3178.N1 | 08-JUL-2011 16:22:25 | Bright | 42.000 | 150 | 44Zet Per | 2.8900 | 28000. | 84 | 48919 | No |
| 150 | GOM_TRA_1PNPDK20110708_162450_000000433104_00198_48919_3179.N1 | 08-JUL-2011 16:24:50 | Twilight | 42.500 | 146 | 25Eta Tau | 2.8730 | 15200. | 85 | 48919 | No |
| 151 | GOM_TRA_1PNPDK20110708_163203_000000533104_00198_48919_3180.N1 | 08-JUL-2011 16:32:03 | Dark | 53.000 | 94 | 92Alp Cet | 2.5260 | 3100.0 | 106 | 48919 | No |
| 152 | GOM_TRA_1PNPDK20110708_164409_000000413104_00198_48919_3181.N1 | 08-JUL-2011 16:44:09 | Dark | 40.500 | 157 | The1Eri | 2.9060 | 9300.0 | 81 | 48919 | No |
| 153 | GOM_TRA_1PNPDK20110708_165019_000000423104_00199_48920_3182.N1 | 08-JUL-2011 16:50:19 | Dark | 41.500 | 9 | Alp Eri | 0.45300 | 24000. | 83 | 48920 | No |
| 154 | GOM_TRA_1PNPDK20110708_165225_000000533104_00199_48920_3183.N1 | 08-JUL-2011 16:52:25 | Dark | 52.500 | 84 | Alp Phe | 2.3970 | 4500.0 | 105 | 48920 | No |
| 155 | GOM_TRA_1PNPDK20110708_165836_000000523104_00199_48920_3184.N1 | 08-JUL-2011 16:58:36 | Straylight | 52.000 | 63 | Bet Gru | 2.1500 | 2800.0 | 104 | 48920 | No |
| 156 | GOM_TRA_1PNPDK20110708_170022_000000483104_00199_48920_3185.N1 | 08-JUL-2011 17:00:22 | Straylight | 48.000 | 31 | Alp Gru | 1.7340 | 15200. | 96 | 48920 | No |
| 157 | GOM_TRA_1PNPDK20110708_170157_000000403104_00199_48920_3186.N1 | 08-JUL-2011 17:01:57 | Straylight | 40.000 | 45 | Alp Pav | 1.9400 | 26000. | 80 | 48920 | No |
| 158 | GOM_TRA_1PNPDK20110708_170329_000000383104_00199_48920_3187.N1 | 08-JUL-2011 17:03:29 | Straylight | 37.500 | 172 | Gam Gru | 3.0030 | 13100. | 75 | 48920 | No |
| 159 | GOM_TRA_1PNPDK20110708_171101_000000433104_00199_48920_3189.N1 | 08-JUL-2011 17:11:01 | Bright | 42.500 | 103 | 38Zet Sgr | 2.6000 | 9700.0 | 85 | 48920 | No |
| 160 | GOM_TRA_1PNPDK20110708_171336_000000423104_00199_48920_3190.N1 | 08-JUL-2011 17:13:36 | Bright | 41.500 | 155 | 41Pi Sgr | 2.9000 | 6600.0 | 83 | 48920 | No |
| 161 | GOM_TRA_1PNPDK20110708_172451_000000443104_00199_48920_3191.N1 | 08-JUL-2011 17:24:51 | Bright | 43.500 | 168 | 17Zet Aql | 2.9860 | 11000. | 87 | 48920 | No |
| 162 | GOM_TRA_1PNPDK20110708_173153_000000443104_00199_48920_3192.N1 | 08-JUL-2011 17:31:53 | Bright | 44.000 | 5 | 3Alp Lyr | 0.033000 | 11000. | 88 | 48920 | No |
| 163 | GOM_TRA_1PNPDK20110708_173459_000000393104_00199_48920_3193.N1 | 08-JUL-2011 17:34:59 | Bright | 38.500 | 69 | 33Gam Dra | 2.2310 | 3800.0 | 77 | 48920 | No |
| 164 | GOM_TRA_1PNPDK20110708_174249_000000423104_00199_48920_3194.N1 | 08-JUL-2011 17:42:49 | Bright | 42.000 | 89 | 5Alp Cep | 2.4510 | 8000.0 | 84 | 48920 | No |
| 165 | GOM_TRA_1PNPDK20110708_175126_000000463104_00199_48920_3195.N1 | 08-JUL-2011 17:51:26 | Bright | 46.000 | 76 | 27Gam Cas | 2.3000 | 30000. | 92 | 48920 | No |
| 166 | GOM_TRA_1PNPDK20110708_175555_000000593104_00199_48920_3196.N1 | 08-JUL-2011 17:55:55 | Bright | 59.000 | 160 | 23Gam Per | 2.9300 | 4700.0 | 118 | 48920 | No |
| 167 | GOM_TRA_1PNPDK20110708_175750_000000343104_00199_48920_3197.N1 | 08-JUL-2011 17:57:50 | Bright | 34.000 | 175 | 39Del Per | 3.0100 | 19400. | 68 | 48920 | No |
| 168 | GOM_TRA_1PNPDK20110708_175959_000000403104_00199_48920_3198.N1 | 08-JUL-2011 17:59:59 | Bright | 39.500 | 79 | 26Bet Per | 2.3100 | 13100. | 79 | 48920 | No |
| 169 | GOM_TRA_1PNPDK20110708_180239_000000423104_00199_48920_3199.N1 | 08-JUL-2011 18:02:39 | Bright | 42.000 | 150 | 44Zet Per | 2.8900 | 28000. | 84 | 48920 | No |
| 170 | GOM_TRA_1PNPDK20110708_180504_000000433104_00199_48920_3200.N1 | 08-JUL-2011 18:05:04 | Twilight | 43.000 | 146 | 25Eta Tau | 2.8730 | 15200. | 86 | 48920 | No |
| 171 | GOM_TRA_1PNPDK20110708_181217_000000533104_00199_48920_3201.N1 | 08-JUL-2011 18:12:17 | Dark | 53.000 | 94 | 92Alp Cet | 2.5260 | 3100.0 | 106 | 48920 | No |
| 172 | GOM_TRA_1PNPDK20110708_182423_000000423104_00199_48920_3202.N1 | 08-JUL-2011 18:24:23 | Dark | 42.000 | 157 | The1Eri | 2.9060 | 9300.0 | 84 | 48920 | No |
| 173 | GOM_TRA_1PNPDK20110708_183033_000000463104_00200_48921_3203.N1 | 08-JUL-2011 18:30:33 | Dark | 46.000 | 9 | Alp Eri | 0.45300 | 24000. | 92 | 48921 | No |
| 174 | GOM_TRA_1PNPDK20110708_183240_000000573104_00200_48921_3204.N1 | 08-JUL-2011 18:32:40 | Dark | 56.500 | 84 | Alp Phe | 2.3970 | 4500.0 | 113 | 48921 | No |
| 175 | GOM_TRA_1PNPDK20110708_183851_000000543104_00200_48921_3205.N1 | 08-JUL-2011 18:38:51 | Straylight | 54.000 | 63 | Bet Gru | 2.1500 | 2800.0 | 108 | 48921 | No |
| 176 | GOM_TRA_1PNPDK20110708_184037_000000483104_00200_48921_3206.N1 | 08-JUL-2011 18:40:37 | Straylight | 48.000 | 31 | Alp Gru | 1.7340 | 15200. | 96 | 48921 | No |
| 177 | GOM_TRA_1PNPDK20110708_184211_000000403104_00200_48921_3207.N1 | 08-JUL-2011 18:42:11 | Straylight | 39.500 | 45 | Alp Pav | 1.9400 | 26000. | 79 | 48921 | No |
| 178 | GOM_TRA_1PNPDK20110708_184344_000000383104_00200_48921_3208.N1 | 08-JUL-2011 18:43:44 | Straylight | 37.500 | 172 | Gam Gru | 3.0030 | 13100. | 75 | 48921 | No |
| 179 | GOM_TRA_1PNPDK20110708_185116_000000423104_00200_48921_3207.N1 | 08-JUL-2011 18:51:16 | Bright | 41.500 | 103 | 38Zet Sgr | 2.6000 | 9700.0 | 83 | 48921 | No |
| 180 | GOM_TRA_1PNPDK20110708_185350_000000413104_00200_48921_3208.N1 | 08-JUL-2011 18:53:50 | Bright | 41.000 | 155 | 41Pi Sgr | 2.9000 | 6600.0 | 82 | 48921 | No |
| 181 | GOM_TRA_1PNPDK20110708_190504_000000423104_00200_48921_3209.N1 | 08-JUL-2011 19:05:04 | Bright | 42.000 | 168 | 17Zet Aql | 2.9860 | 11000. | 84 | 48921 | No |
| 182 | GOM_TRA_1PNPDK20110708_191206_000000393104_00200_48921_3210.N1 | 08-JUL-2011 19:12:06 | Bright | 38.500 | 5 | 3Alp Lyr | 0.033000 | 11000. | 77 | 48921 | No |
| 183 | GOM_TRA_1PNPDK20110708_191513_000000393104_00200_48921_3211.N1 | 08-JUL-2011 19:15:13 | Bright | 38.500 | 69 | 33Gam Dra | 2.2310 | 3800.0 | 77 | 48921 | No |
| 184 | GOM_TRA_1PNPDK20110708_192302_000000423104_00200_48921_3212.N1 | 08-JUL-2011 19:23:02 | Bright | 41.500 | 89 | 5Alp Cep | 2.4510 | 8000.0 | 83 | 48921 | No |
| 185 | GOM_TRA_1PNPDK20110708_193140_000000483104_00200_48921_3213.N1 | 08-JUL-2011 19:31:40 | Bright | 48.000 | 76 | 27Gam Cas | 2.3000 | 30000. | 96 | 48921 | No |
| 186 | GOM_TRA_1PNPDK20110708_193609_000000593104_00200_48921_3214.N1 | 08-JUL-2011 19:36:09 | Bright | 59.000 | 160 | 23Gam Per | 2.9300 | 4700.0 | 118 | 48921 | No |
| 187 | GOM_TRA_1PNPDK20110708_193804_000000463104_00200_48921_3215.N1 | 08-JUL-2011 19:38:04 | Bright | 46.000 | 175 | 39Del Per | 3.0100 | 19400. | 92 | 48921 | No |
| 188 | GOM_TRA_1PNPDK20110708_194013_000000433104_00200_48921_3216.N1 | 08-JUL-2011 19:40:13 | Bright | 42.500 | 79 | 26Bet Per | 2.3100 | 13100. | 85 | 48921 | No |
| 189 | GOM_TRA_1PNPDK20110708_194253_000000453104_00200_48921_3217.N1 | 08-JUL-2011 19:42:53 | Bright | 44.500 | 150 | 44Zet Per | 2.8900 | 28000. | 89 | 48921 | No |
| 190 | GOM_TRA_1PNPDK20110708_194518_000000453104_00200_48921_3218.N1 | 08-JUL-2011 19:45:18 | Twilight | 44.500 | 146 | 25Eta Tau | 2.8730 | 15200. | 89 | 48921 | No |
| 191 | GOM_TRA_1PNPDK20110708_195232_000000503104_00200_48921_3219.N1 | 08-JUL-2011 19:52:32 | Dark | 50.000 | 94 | 92Alp Cet | 2.5260 | 3100.0 | 100 | 48921 | No |

| | | | | | | | | | | | |
|-----|--|----------------------|------------|--------|-----|-----------|----------|--------|-----|-------|----|
| 192 | GOM_TRA_1PNPDK20110708_200438_000000423104_00200_48921_3220.N1 | 08-JUL-2011 20:04:38 | Dark | 41.500 | 157 | The1Eri | 2.9060 | 9300.0 | 83 | 48921 | No |
| 193 | GOM_TRA_1PNPDK20110708_201048_000000443104_00201_48922_3221.N1 | 08-JUL-2011 20:10:48 | Dark | 44.000 | 9 | Alp Eri | 0.45300 | 24000. | 88 | 48922 | No |
| 194 | GOM_TRA_1PNPDK20110708_201255_000000503104_00201_48922_3222.N1 | 08-JUL-2011 20:12:55 | Dark | 49.500 | 84 | Alp Phe | 2.3970 | 4500.0 | 99 | 48922 | No |
| 195 | GOM_TRA_1PNPDK20110708_201906_000000633104_00201_48922_3223.N1 | 08-JUL-2011 20:19:06 | Straylight | 62.500 | 63 | Bet Gru | 2.1500 | 2800.0 | 125 | 48922 | No |
| 196 | GOM_TRA_1PNPDK20110708_202052_000000493104_00201_48922_3224.N1 | 08-JUL-2011 20:20:52 | Straylight | 48.500 | 31 | Alp Gru | 1.7340 | 15200. | 97 | 48922 | No |
| 197 | GOM_TRA_1PNPDE20110708_202359_000000403104_00201_48922_1715.N1 | 08-JUL-2011 20:23:59 | Straylight | 40.000 | 172 | Gam Gru | 3.0030 | 13100. | 80 | 48922 | No |
| 198 | GOM_TRA_1PNPDE20110708_203130_000000543104_00201_48922_1716.N1 | 08-JUL-2011 20:31:30 | Bright | 54.000 | 103 | 38Zet Sgr | 2.6000 | 9700.0 | 108 | 48922 | No |
| 199 | GOM_TRA_1PNPDE20110708_203404_000000413104_00201_48922_1717.N1 | 08-JUL-2011 20:34:04 | Bright | 41.000 | 155 | 41Pi Sgr | 2.9000 | 6600.0 | 82 | 48922 | No |
| 200 | GOM_TRA_1PNPDE20110708_204518_000000203104_00201_48922_1718.N1 | 08-JUL-2011 20:45:18 | Twilight | 19.500 | 168 | 17Zet Aql | 2.9860 | 11000. | 39 | 48922 | No |
| 201 | GOM_TRA_1PNPDE20110708_205220_000000393104_00201_48922_1719.N1 | 08-JUL-2011 20:52:20 | Bright | 38.500 | 5 | 3Alp Lyr | 0.033000 | 11000. | 77 | 48922 | No |
| 202 | GOM_TRA_1PNPDE20110708_205527_000000403104_00201_48922_1720.N1 | 08-JUL-2011 20:55:27 | Bright | 40.000 | 69 | 33Gam Dra | 2.2310 | 3800.0 | 80 | 48922 | No |
| 203 | GOM_TRA_1PNPDE20110708_210316_000000423104_00201_48922_1721.N1 | 08-JUL-2011 21:03:16 | Bright | 41.500 | 89 | 5Alp Cep | 2.4510 | 8000.0 | 83 | 48922 | No |
| 204 | GOM_TRA_1PNPDE20110708_211153_000000673104_00201_48922_1722.N1 | 08-JUL-2011 21:11:53 | Bright | 67.000 | 76 | 27Gam Cas | 2.3000 | 30000. | 134 | 48922 | No |
| 205 | GOM_TRA_1PNPDE20110708_211623_000000593104_00201_48922_1723.N1 | 08-JUL-2011 21:16:23 | Bright | 59.000 | 160 | 23Gam Per | 2.9300 | 4700.0 | 118 | 48922 | No |
| 206 | GOM_TRA_1PNPDE20110708_211819_000000353104_00201_48922_1724.N1 | 08-JUL-2011 21:18:19 | Bright | 34.500 | 175 | 39Del Per | 3.0100 | 19400. | 69 | 48922 | No |
| 207 | GOM_TRA_1PNPDE20110708_212027_000000413104_00201_48922_1725.N1 | 08-JUL-2011 21:20:27 | Bright | 41.000 | 79 | 26Bet Per | 2.3100 | 13100. | 82 | 48922 | No |
| 208 | GOM_TRA_1PNPDE20110708_212307_000000433104_00201_48922_1726.N1 | 08-JUL-2011 21:23:07 | Bright | 42.500 | 150 | 44Zet Per | 2.8900 | 28000. | 85 | 48922 | No |
| 209 | GOM_TRA_1PNPDE20110708_212533_000000423104_00201_48922_1727.N1 | 08-JUL-2011 21:25:33 | Twilight | 42.000 | 146 | 25Eta Tau | 2.8730 | 15200. | 84 | 48922 | No |
| 210 | GOM_TRA_1PNPDE20110708_213247_000000523104_00201_48922_1728.N1 | 08-JUL-2011 21:32:47 | Dark | 51.500 | 94 | 92Alp Cet | 2.5260 | 3100.0 | 103 | 48922 | No |
| 211 | GOM_TRA_1PNPDE20110708_214452_000000433104_00201_48922_1736.N1 | 08-JUL-2011 21:44:52 | Dark | 42.500 | 157 | The1Eri | 2.9060 | 9300.0 | 85 | 48922 | No |
| 212 | GOM_TRA_1PNPDE20110708_215102_000000483104_00202_48923_1737.N1 | 08-JUL-2011 21:51:02 | Dark | 48.000 | 9 | Alp Eri | 0.45300 | 24000. | 96 | 48923 | No |
| 213 | GOM_TRA_1PNPDE20110708_215310_000000553104_00202_48923_1738.N1 | 08-JUL-2011 21:53:10 | Dark | 55.000 | 84 | Alp Phe | 2.3970 | 4500.0 | 110 | 48923 | No |
| 214 | GOM_TRA_1PNPDE20110708_215921_000000633104_00202_48923_1739.N1 | 08-JUL-2011 21:59:21 | Straylight | 62.500 | 63 | Bet Gru | 2.1500 | 2800.0 | 125 | 48923 | No |
| 215 | GOM_TRA_1PNPDE20110708_220106_000000513104_00202_48923_1740.N1 | 08-JUL-2011 22:01:06 | Straylight | 50.500 | 31 | Alp Gru | 1.7340 | 15200. | 101 | 48923 | No |
| 216 | GOM_TRA_1PNPDE20110708_220413_000000403104_00202_48923_1741.N1 | 08-JUL-2011 22:04:13 | Straylight | 40.000 | 172 | Gam Gru | 3.0030 | 13100. | 80 | 48923 | No |
| 217 | GOM_TRA_1PNPDE20110708_221144_000000443104_00202_48923_1742.N1 | 08-JUL-2011 22:11:44 | Bright | 44.000 | 103 | 38Zet Sgr | 2.6000 | 9700.0 | 88 | 48923 | No |
| 218 | GOM_TRA_1PNPDE20110708_221418_000000423104_00202_48923_1743.N1 | 08-JUL-2011 22:14:18 | Bright | 41.500 | 155 | 41Pi Sgr | 2.9000 | 6600.0 | 83 | 48923 | No |
| 219 | GOM_TRA_1PNPDE20110708_222532_000000433104_00202_48923_1744.N1 | 08-JUL-2011 22:25:32 | Bright | 42.500 | 168 | 17Zet Aql | 2.9860 | 11000. | 85 | 48923 | No |
| 220 | GOM_TRA_1PNPDE20110708_223234_000000393104_00202_48923_1745.N1 | 08-JUL-2011 22:32:34 | Bright | 39.000 | 5 | 3Alp Lyr | 0.033000 | 11000. | 78 | 48923 | No |
| 221 | GOM_TRA_1PNPDE20110708_223541_000000353104_00202_48923_1746.N1 | 08-JUL-2011 22:35:41 | Bright | 35.000 | 69 | 33Gam Dra | 2.2310 | 3800.0 | 70 | 48923 | No |
| 222 | GOM_TRA_1PNPDE20110708_224329_000000463104_00202_48923_1747.N1 | 08-JUL-2011 22:43:29 | Bright | 45.500 | 89 | 5Alp Cep | 2.4510 | 8000.0 | 91 | 48923 | No |
| 223 | GOM_TRA_1PNPDE20110708_225207_000000673104_00202_48923_1748.N1 | 08-JUL-2011 22:52:07 | Bright | 67.000 | 76 | 27Gam Cas | 2.3000 | 30000. | 134 | 48923 | No |
| 224 | GOM_TRA_1PNPDE20110708_225637_000000393104_00202_48923_1749.N1 | 08-JUL-2011 22:56:37 | Bright | 39.000 | 160 | 23Gam Per | 2.9300 | 4700.0 | 78 | 48923 | No |
| 225 | GOM_TRA_1PNPDE20110708_225832_000000563104_00202_48923_1750.N1 | 08-JUL-2011 22:58:32 | Bright | 56.000 | 175 | 39Del Per | 3.0100 | 19400. | 112 | 48923 | No |
| 226 | GOM_TRA_1PNPDE20110708_230041_000000433104_00202_48923_1751.N1 | 08-JUL-2011 23:00:41 | Bright | 42.500 | 79 | 26Bet Per | 2.3100 | 13100. | 85 | 48923 | No |
| 227 | GOM_TRA_1PNPDE20110708_230321_000000443104_00202_48923_1752.N1 | 08-JUL-2011 23:03:21 | Bright | 44.000 | 150 | 44Zet Per | 2.8900 | 28000. | 88 | 48923 | No |
| 228 | GOM_TRA_1PNPDE20110708_230546_000000413104_00202_48923_1753.N1 | 08-JUL-2011 23:05:46 | Twilight | 40.500 | 146 | 25Eta Tau | 2.8730 | 15200. | 81 | 48923 | No |
| 229 | GOM_TRA_1PNPDE20110708_231301_000000533104_00202_48923_1754.N1 | 08-JUL-2011 23:13:01 | Dark | 52.500 | 94 | 92Alp Cet | 2.5260 | 3100.0 | 105 | 48923 | No |
| 230 | GOM_TRA_1PNPDE20110708_232507_000000393104_00202_48923_1760.N1 | 08-JUL-2011 23:25:07 | Dark | 38.500 | 157 | The1Eri | 2.9060 | 9300.0 | 77 | 48923 | No |
| 231 | GOM_TRA_1PNPDE20110708_233117_000000503104_00203_48924_1761.N1 | 08-JUL-2011 23:31:17 | Dark | 50.000 | 9 | Alp Eri | 0.45300 | 24000. | 100 | 48924 | No |
| 232 | GOM_TRA_1PNPDE20110708_233325_000000503104_00203_48924_1762.N1 | 08-JUL-2011 23:33:25 | Dark | 50.000 | 84 | Alp Phe | 2.3970 | 4500.0 | 100 | 48924 | No |
| 233 | GOM_TRA_1PNPDE20110708_233936_000000623104_00203_48924_1763.N1 | 08-JUL-2011 23:39:36 | Straylight | 62.000 | 63 | Bet Gru | 2.1500 | 2800.0 | 124 | 48924 | No |
| 234 | GOM_TRA_1PNPDE20110708_234121_000000483104_00203_48924_1764.N1 | 08-JUL-2011 23:41:21 | Straylight | 47.500 | 31 | Alp Gru | 1.7340 | 15200. | 95 | 48924 | No |
| 235 | GOM_TRA_1PNPDE20110708_234428_000000423104_00203_48924_1765.N1 | 08-JUL-2011 23:44:28 | Straylight | 42.000 | 172 | Gam Gru | 3.0030 | 13100. | 84 | 48924 | No |
| 236 | GOM_TRA_1PNPDE20110708_235158_000000453104_00203_48924_1766.N1 | 08-JUL-2011 23:51:58 | Bright | 44.500 | 103 | 38Zet Sgr | 2.6000 | 9700.0 | 89 | 48924 | No |
| 237 | GOM_TRA_1PNPDE20110708_235432_000000423104_00203_48924_1767.N1 | 08-JUL-2011 23:54:32 | Bright | 42.000 | 155 | 41Pi Sgr | 2.9000 | 6600.0 | 84 | 48924 | 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).

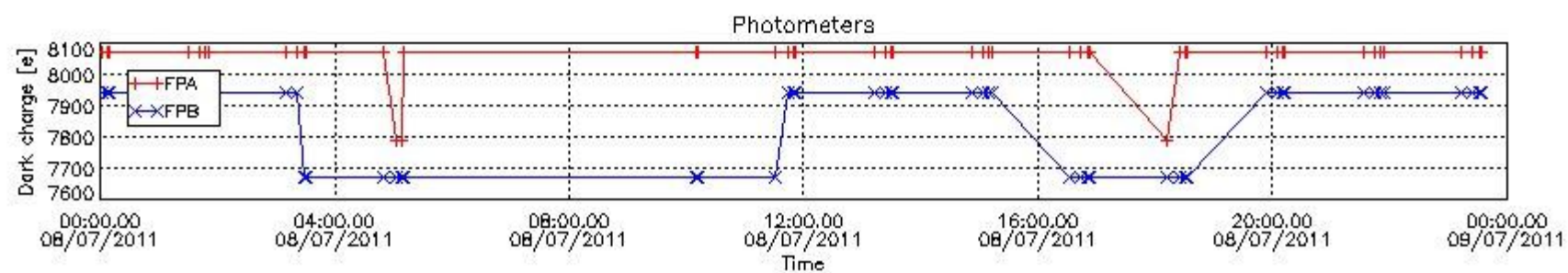
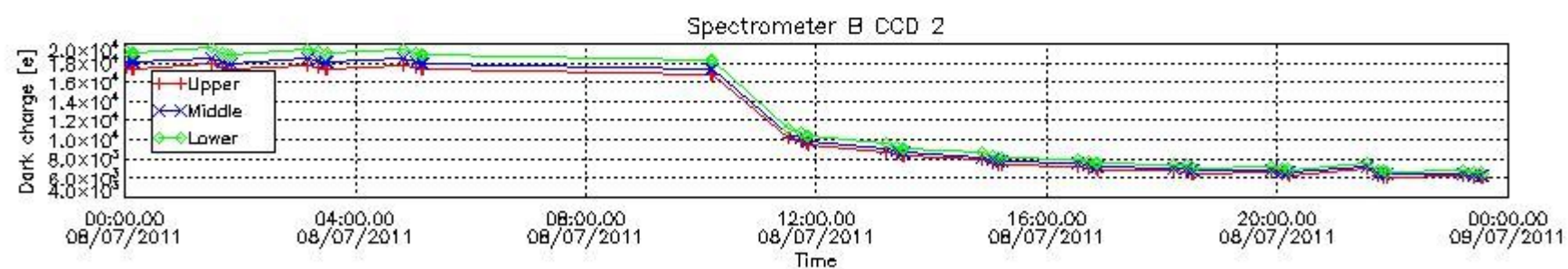
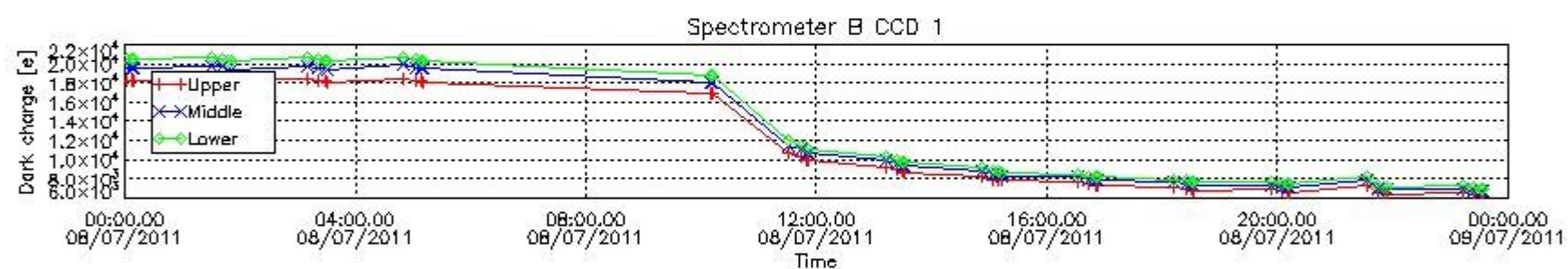
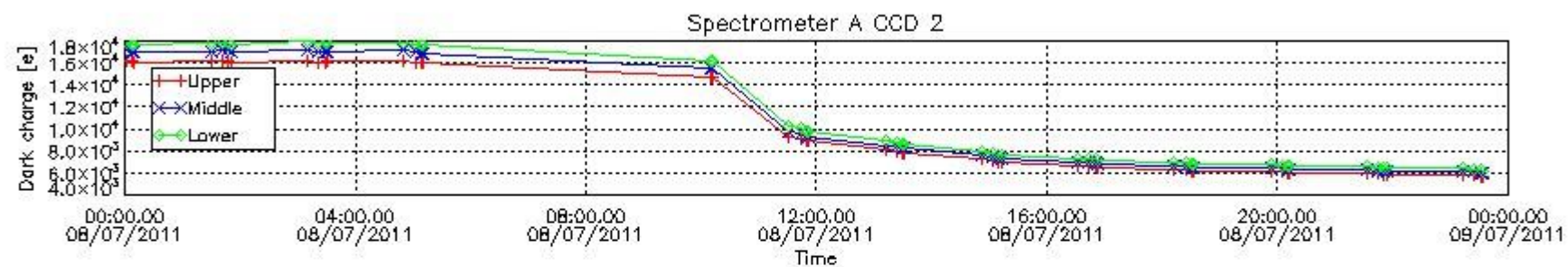
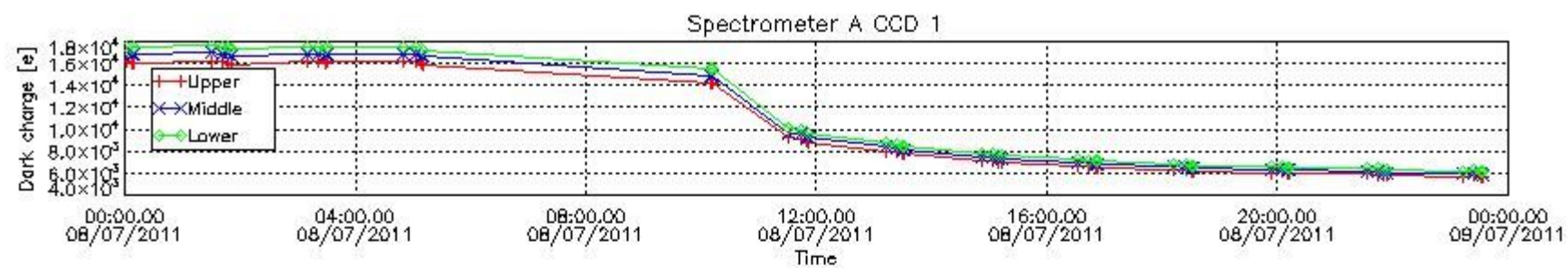
In this section a list of products that did not use the Dark Sky Area (DSA) observation for the DC computation is given. It is also provided the mean DC plot per product for dark limb products with no error flag set.

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

| Product name | DC information |
|--|-----------------------|
| GOM_TRA_1PNPDK20110708_100921_000000533104_00195_48916_2960.N1 | DC map used |
| GOM_TRA_1PNPDK20110708_101124_000000523104_00195_48916_2961.N1 | DC map used |
| GOM_TRA_1PNPDK20110708_101737_000000643104_00195_48916_2962.N1 | DC map used |
| GOM_TRA_1PNPDK20110708_101923_000000473104_00195_48916_2963.N1 | DC map used |
| GOM_TRA_1PNPDK20110708_102059_000000433104_00195_48916_2964.N1 | DC map used |
| GOM_TRA_1PNPDK20110708_102229_000000343104_00195_48916_2965.N1 | DC map used |
| GOM_TRA_1PNPDK20110708_103005_000000453104_00195_48916_2966.N1 | DC map used |
| GOM_TRA_1PNPDK20110708_103239_000000413104_00195_48916_2967.N1 | DC map used |
| GOM_TRA_1PNPDE20110708_202359_000000403104_00201_48922_1715.N1 | DC map with no T dep. |
| GOM_TRA_1PNPDE20110708_203130_000000543104_00201_48922_1716.N1 | DC map used |
| GOM_TRA_1PNPDE20110708_203404_000000413104_00201_48922_1717.N1 | DC map used |
| GOM_TRA_1PNPDE20110708_204518_000000203104_00201_48922_1718.N1 | DC map used |
| GOM_TRA_1PNPDE20110708_205220_000000393104_00201_48922_1719.N1 | DC map used |
| GOM_TRA_1PNPDE20110708_205527_000000403104_00201_48922_1720.N1 | DC map used |

| | |
|--|-------------|
| GOM_TRA_1PNPDE20110708_210316_000000423104_00201_48922_1721.N1 | DC map used |
| GOM_TRA_1PNPDE20110708_211153_000000673104_00201_48922_1722.N1 | DC map used |
| GOM_TRA_1PNPDE20110708_211623_000000593104_00201_48922_1723.N1 | DC map used |
| GOM_TRA_1PNPDE20110708_211819_000000353104_00201_48922_1724.N1 | DC map used |
| GOM_TRA_1PNPDE20110708_212027_000000413104_00201_48922_1725.N1 | DC map used |
| GOM_TRA_1PNPDE20110708_212307_000000433104_00201_48922_1726.N1 | DC map used |
| GOM_TRA_1PNPDE20110708_212533_000000423104_00201_48922_1727.N1 | DC map used |
| GOM_TRA_1PNPDE20110708_213247_000000523104_00201_48922_1728.N1 | DC map used |

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



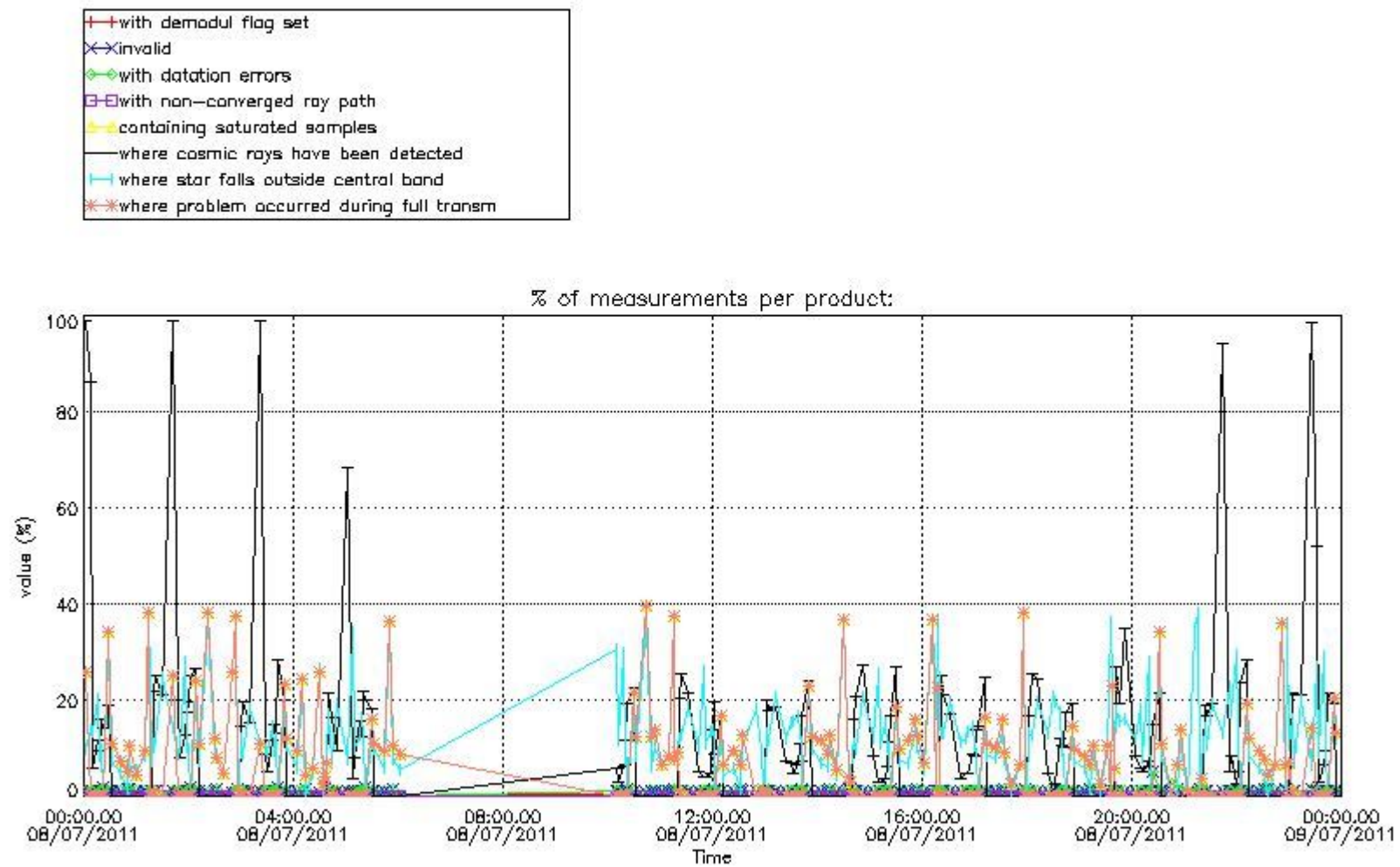
5. Demodulation flag and quality information monitoring

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.

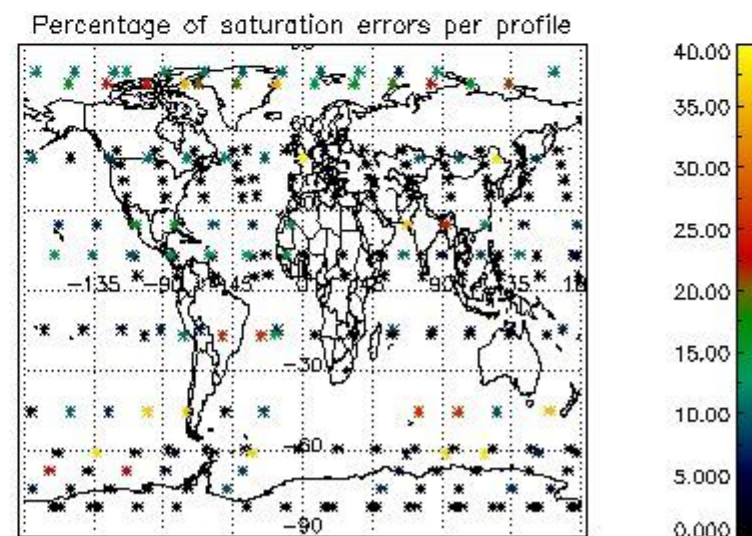
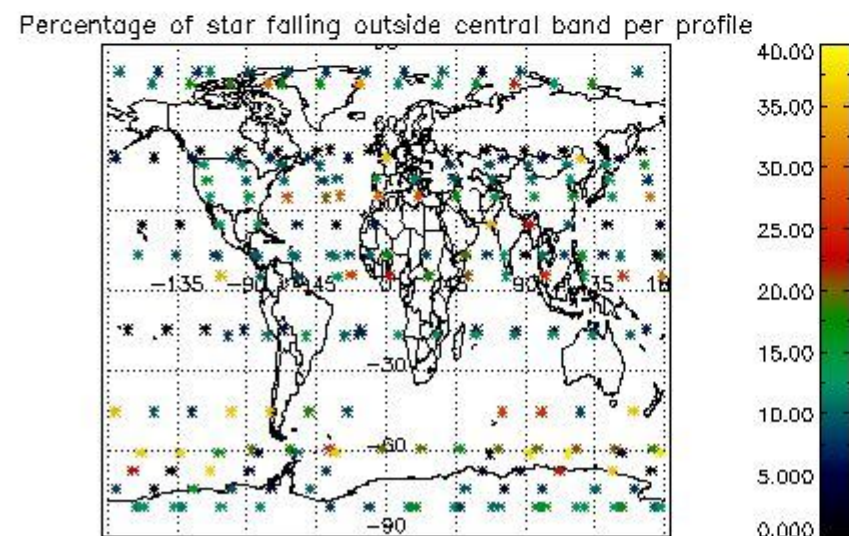
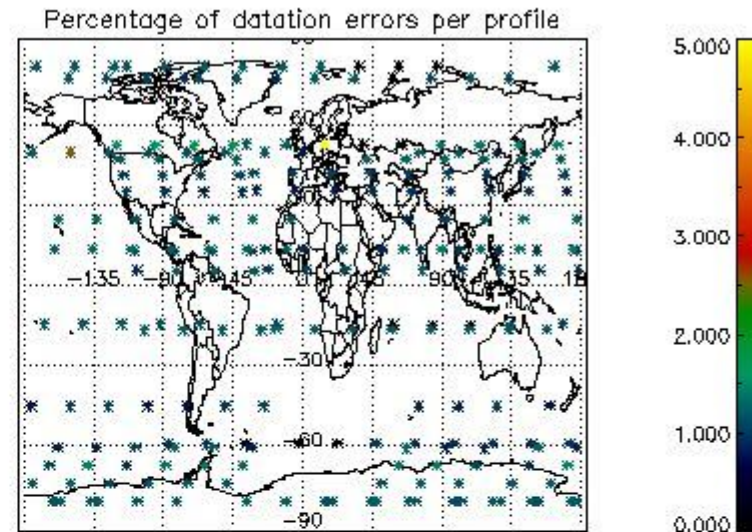
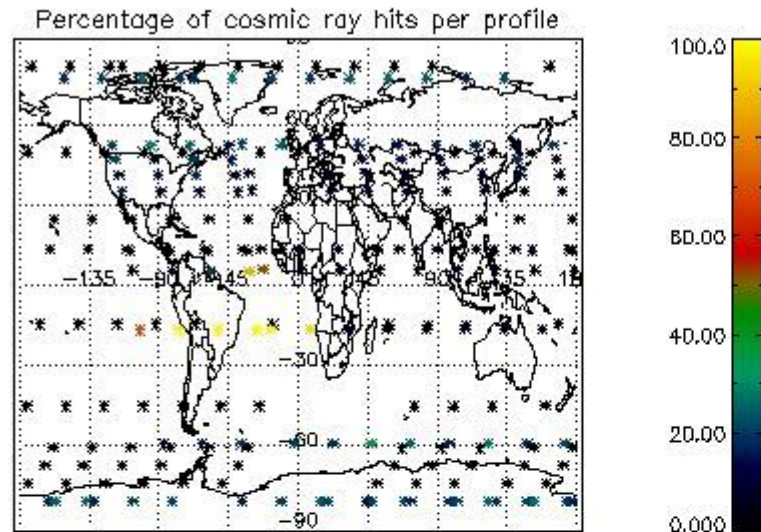
5.1 Percentage of products during reporting period with:

| | |
|---|-----------|
| At least one measurement with demodulation flag set: | 45.9916 % |
| Reference spectrum computed from DB: | 0.00000 % |
| Reference spectrum with small number of measurements: | 0.00000 % |
| SATU data not used: | 53.1646 % |

5.2 Plot quality information per product (time dependant)



5.3 Plot quality information per product (world map)



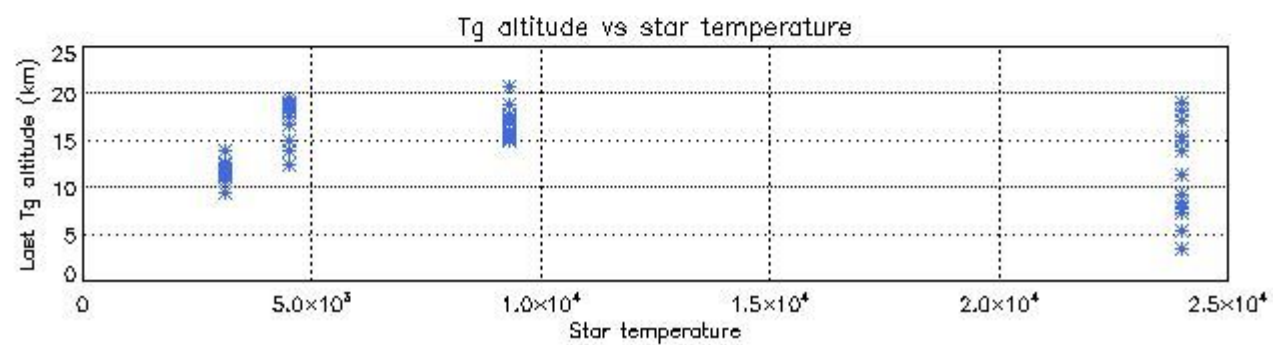
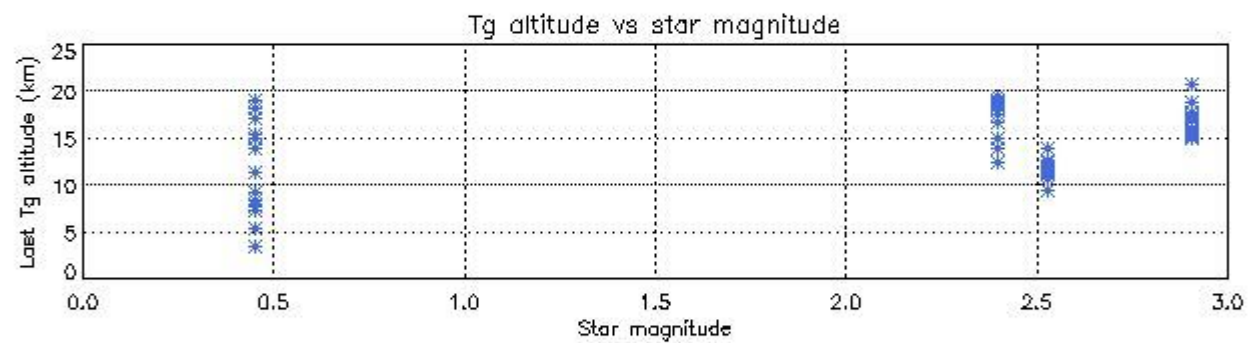
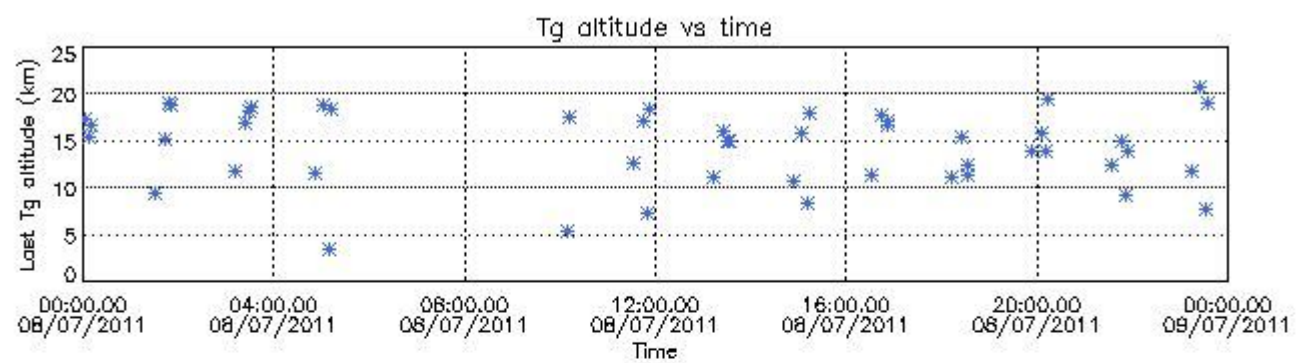
6. Statistics and plot of tangent altitude of the last measurement (DARK & BRIGHT products without errors)

6.1 Statistics on tangent altitude lost:

| Statistics | DARK | BRIGHT | TWILIGHT |
|-----------------|--------|--------|----------|
| Mean: | 14.358 | 17.275 | 16.160 |
| St. deviation: | 4.0111 | 6.7709 | 1.7901 |
| Maximum: | 20.770 | 31.490 | 18.803 |
| Minimum: | 3.3284 | 2.7578 | 12.975 |
| Number of data: | 49.000 | 126.00 | 11.000 |

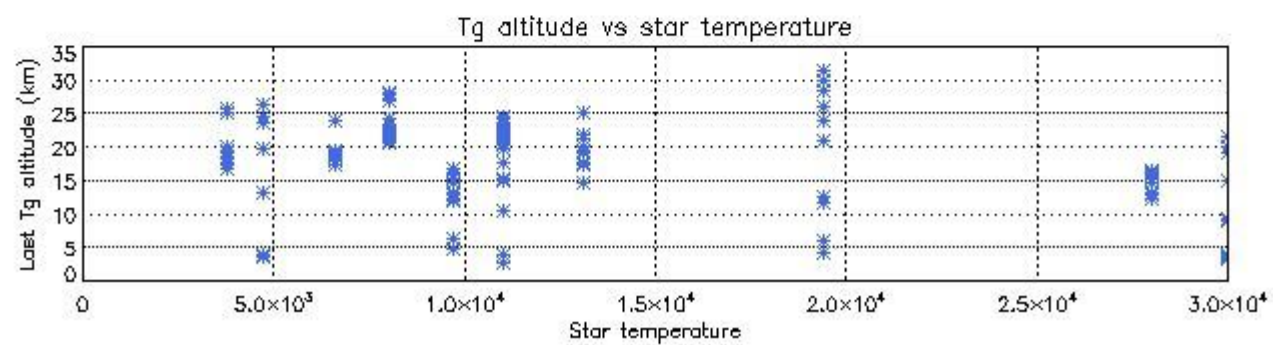
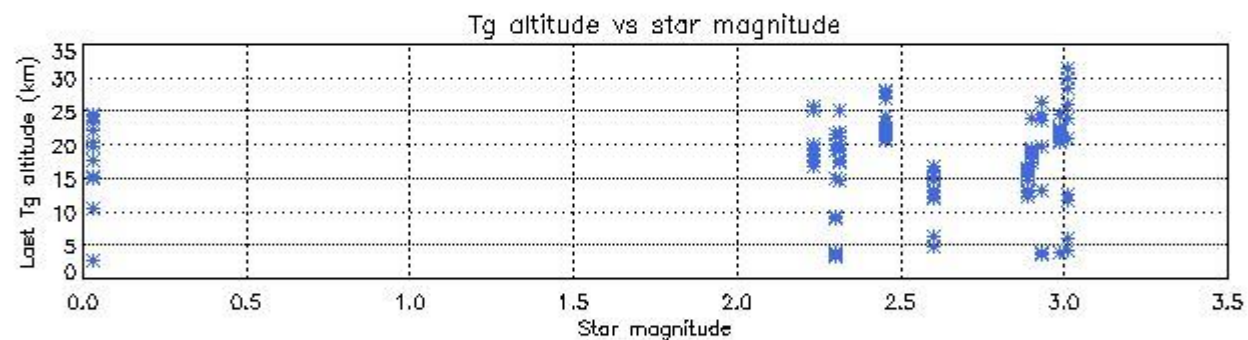
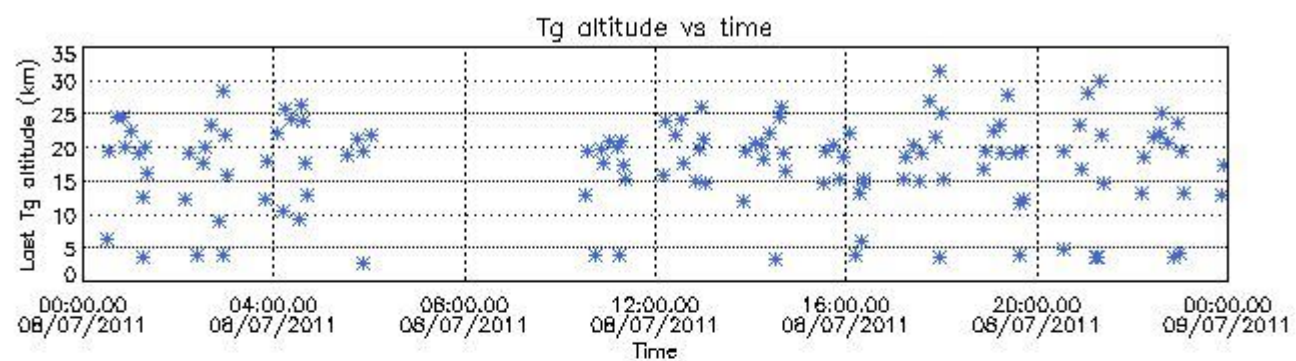
6.2 Plot for DARK limb products

Tangent altitude at which the star is lost



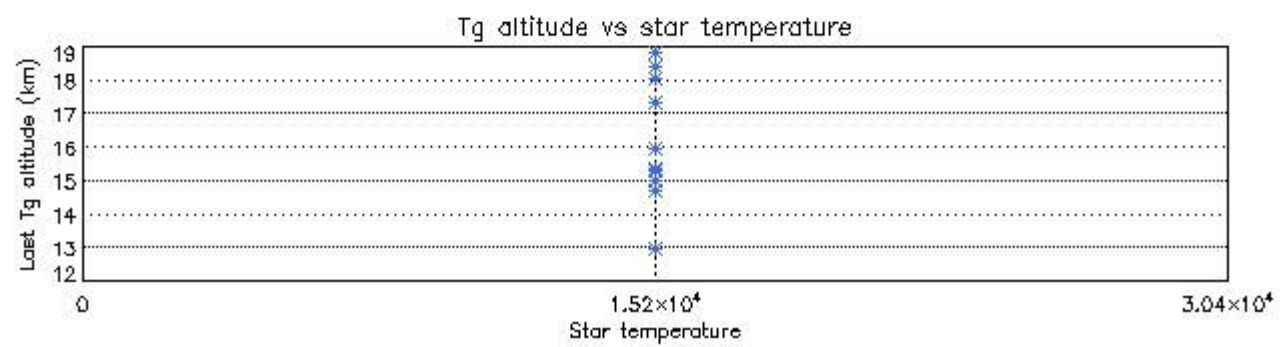
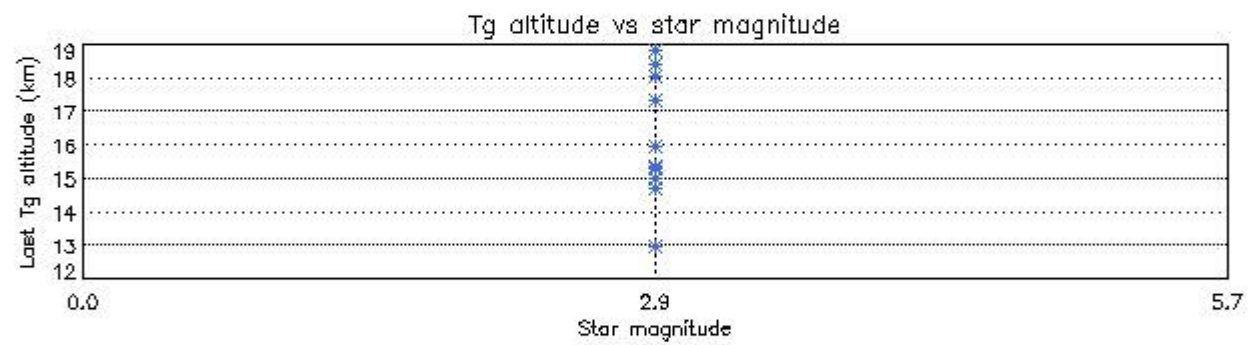
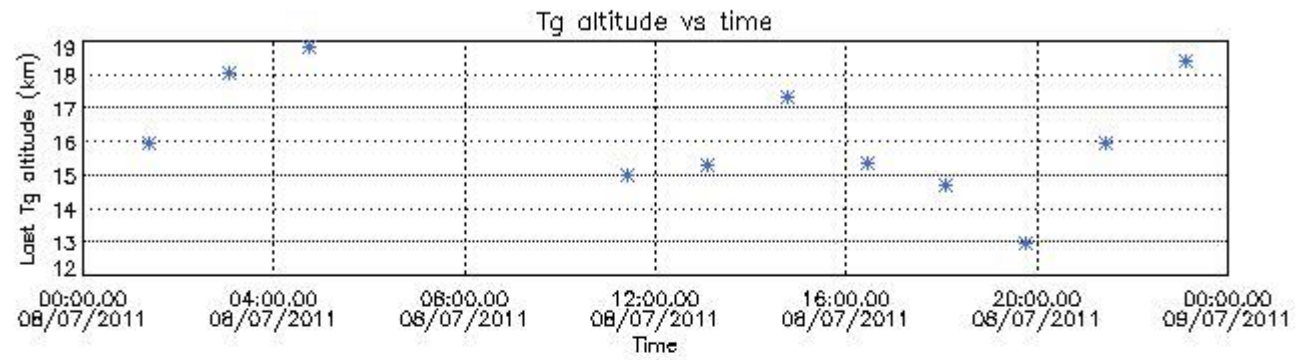
6.3 Plot for BRIGHT limb products

Tangent altitude at which the star is lost



6.3 Plot for TWILIGHT limb products

Tangent altitude at which the star is lost

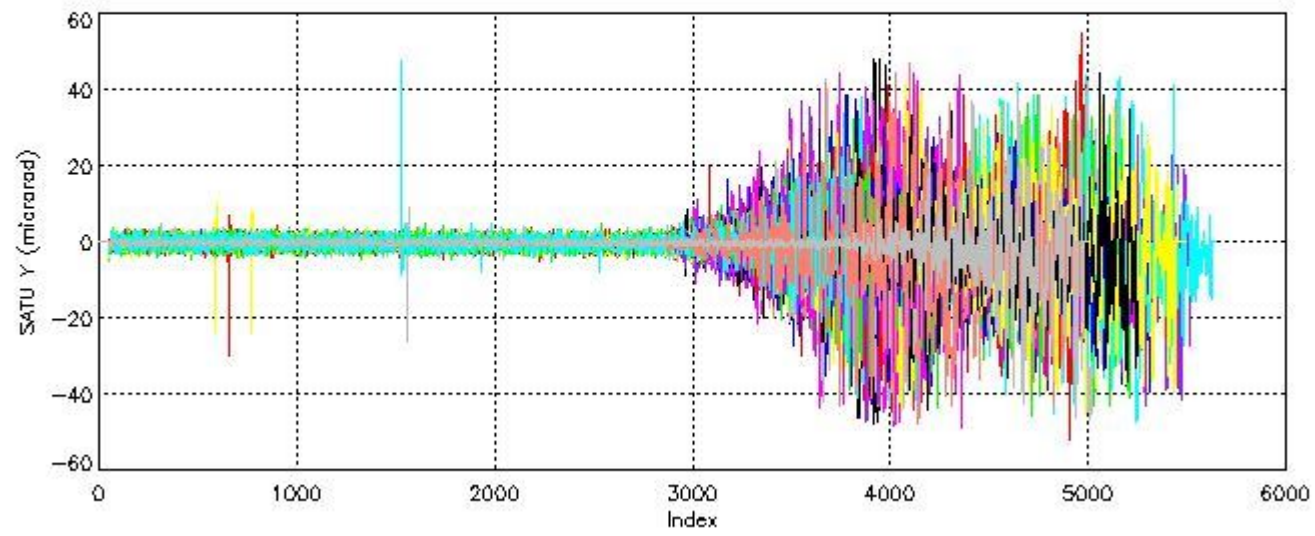
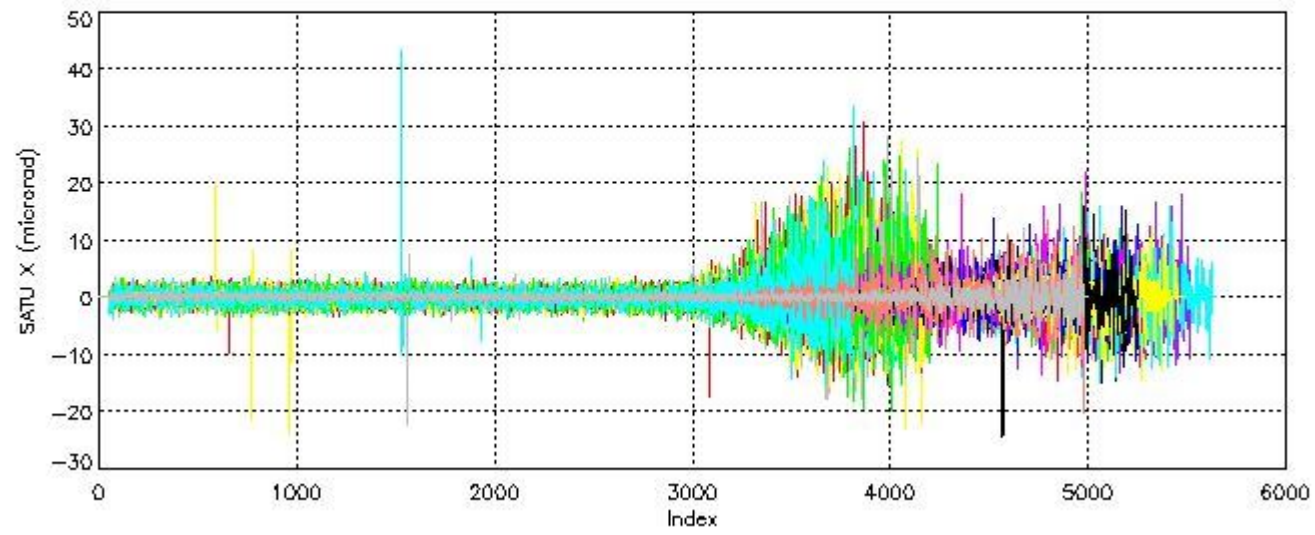


7. Star Acquisition and Tracking Unit (SATU)

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: | 0.13578 | -0.25747 | 0.19874 | -0.24920 |
| St. deviation: | 0.46462 | 0.58934 | 0.88111 | 1.0415 |
| Maximum: | 20.300 | 10.200 | 7.3000 | 7.3000 |
| Minimum: | -21.500 | -30.100 | -6.2000 | -7.6000 |

| | | | | |
|-----------------|---------|---------|------------|------------|
| Number of data: | 50050. | 50050. | 1.2080E+05 | 1.2080E+05 |
| 90Percentile: | 0.70000 | 0.40000 | 1.4000 | 1.1000 |

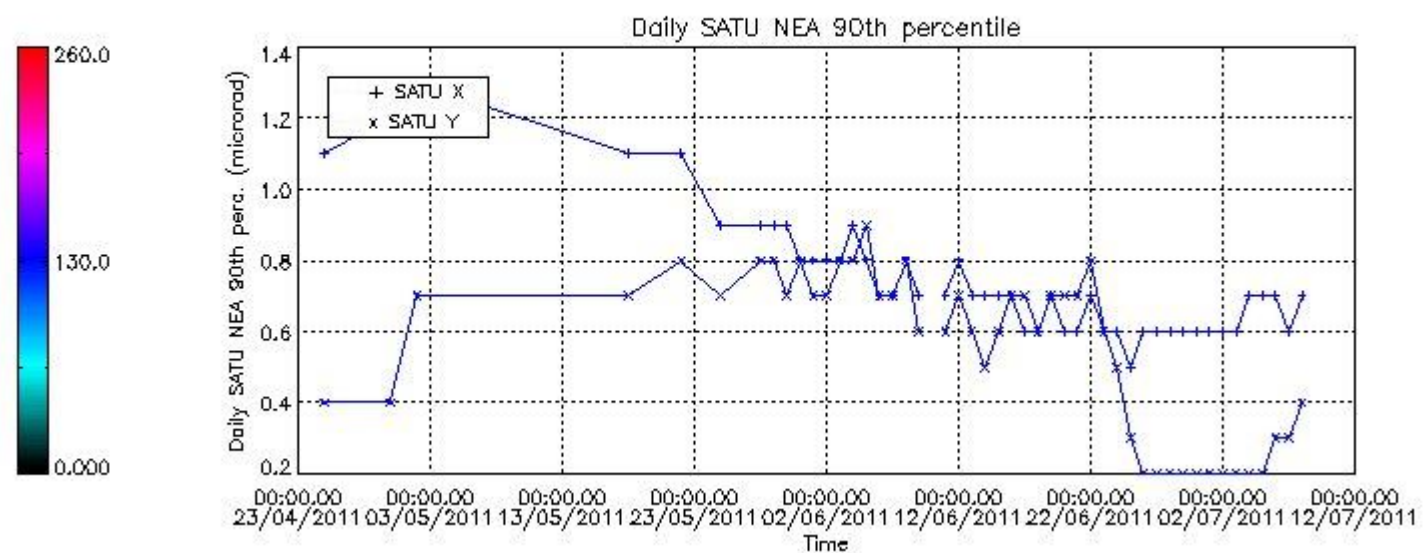
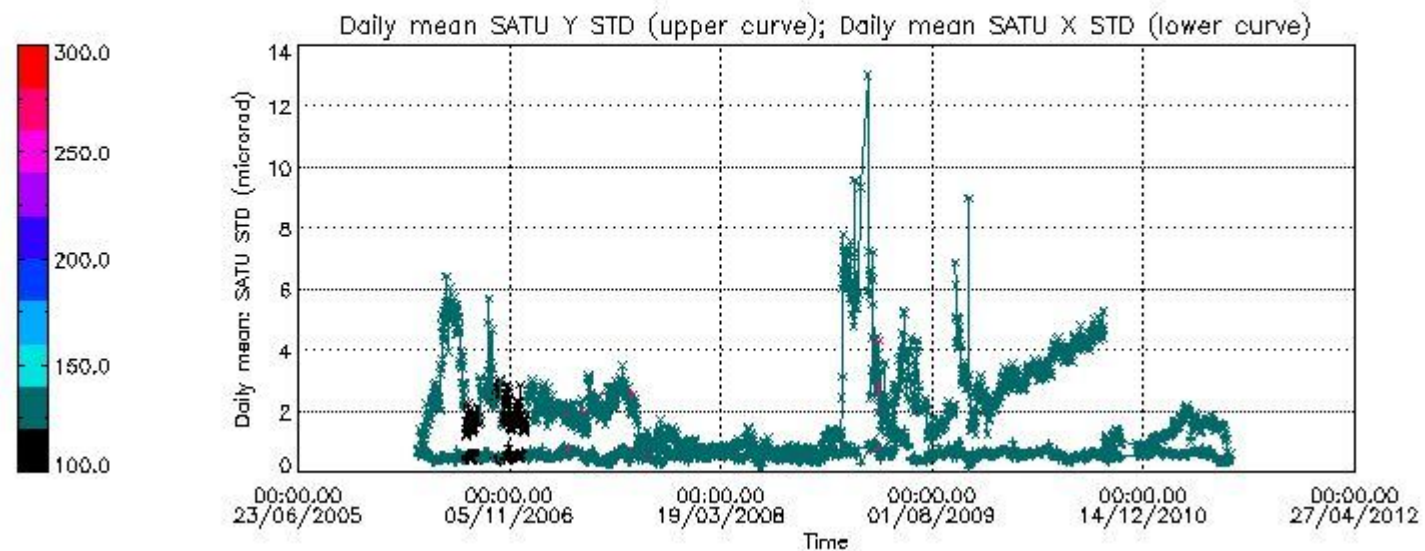
7.2.2 Trend of daily SATU NEA St. deviation since 1st April 2006 (dark limb) and of daily SATU NEA 90th percentile since May 2011

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

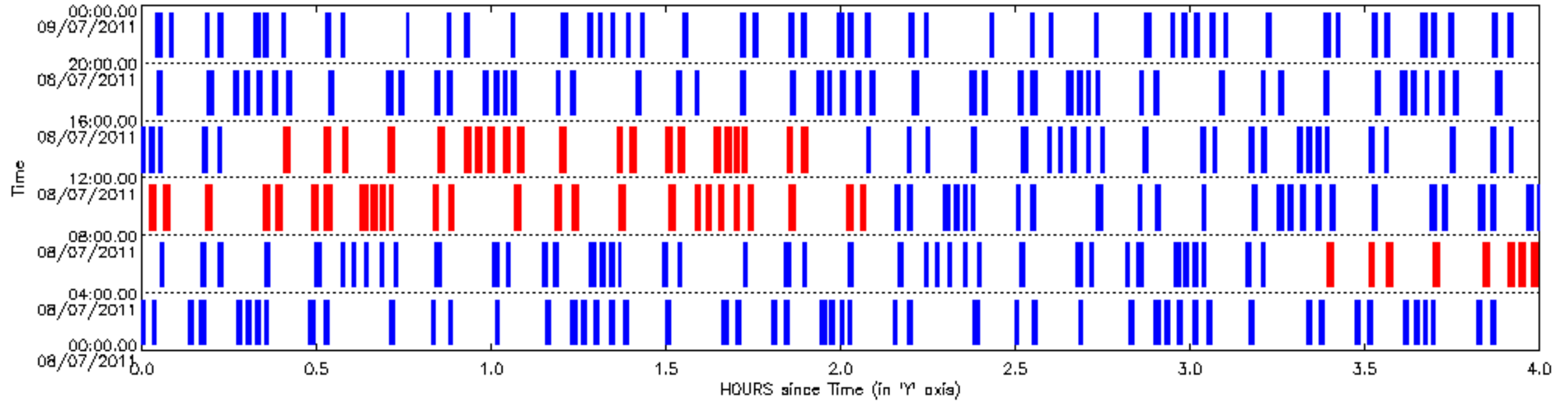
Lower curve: STD of SATU X axis

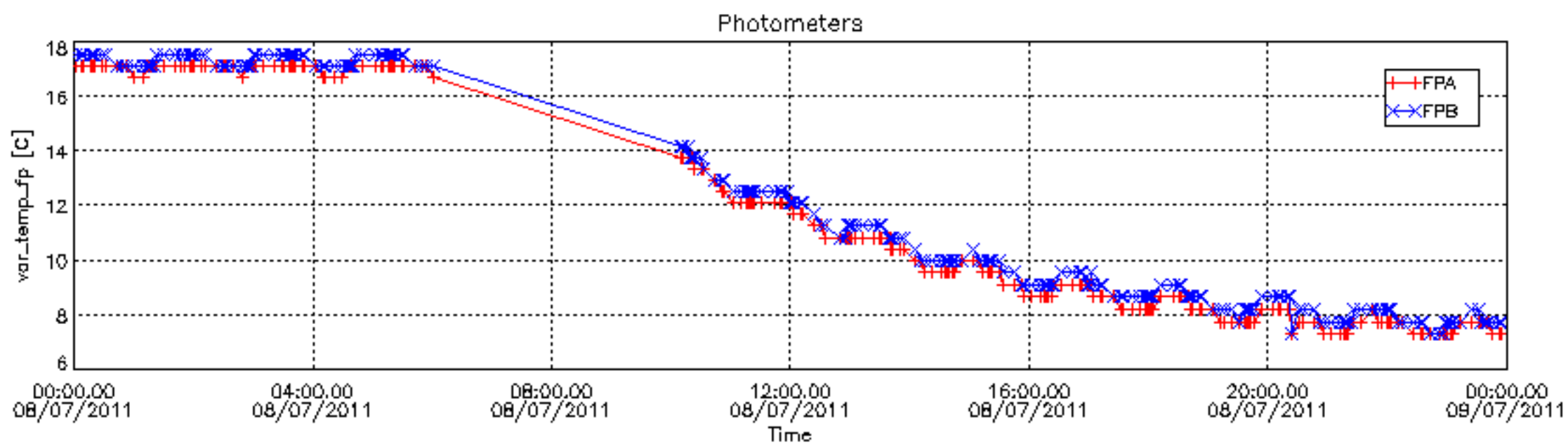
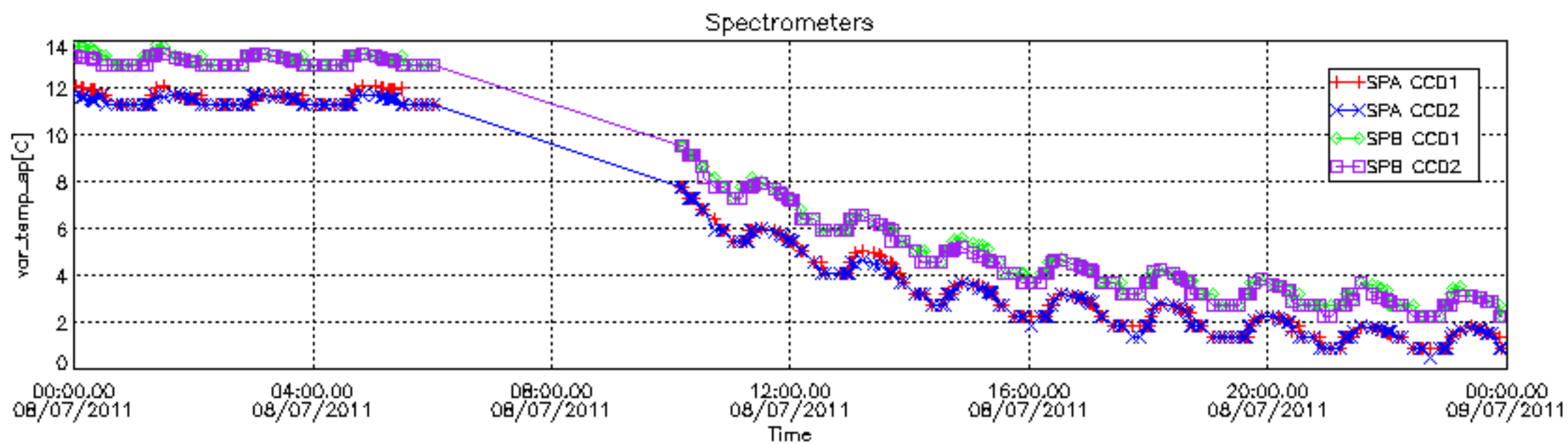


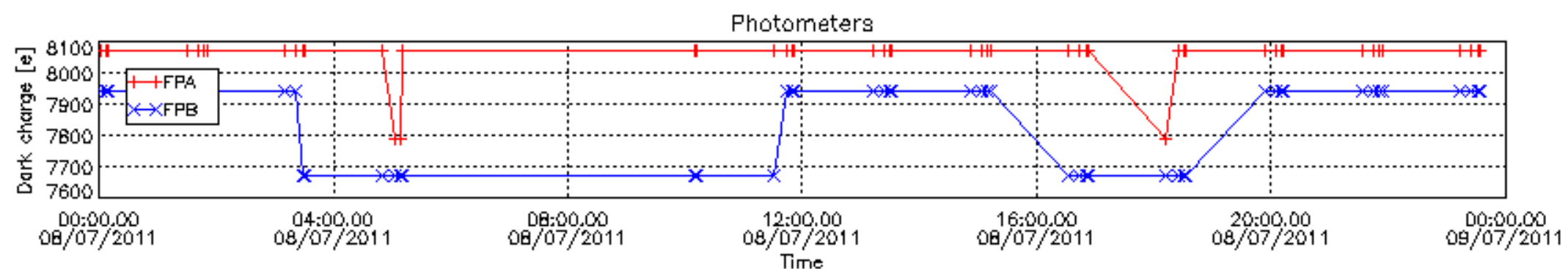
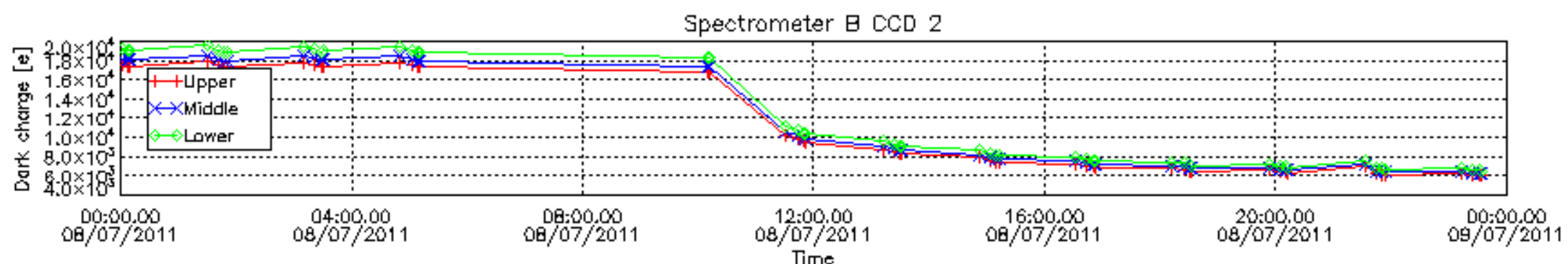
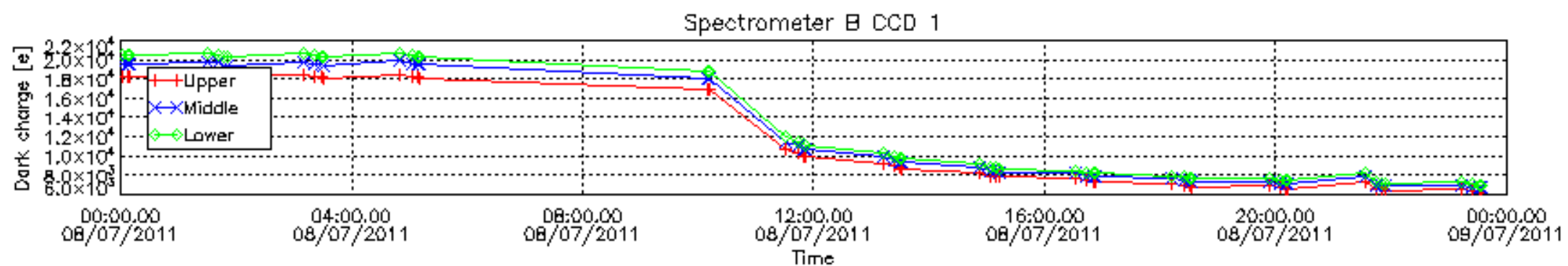
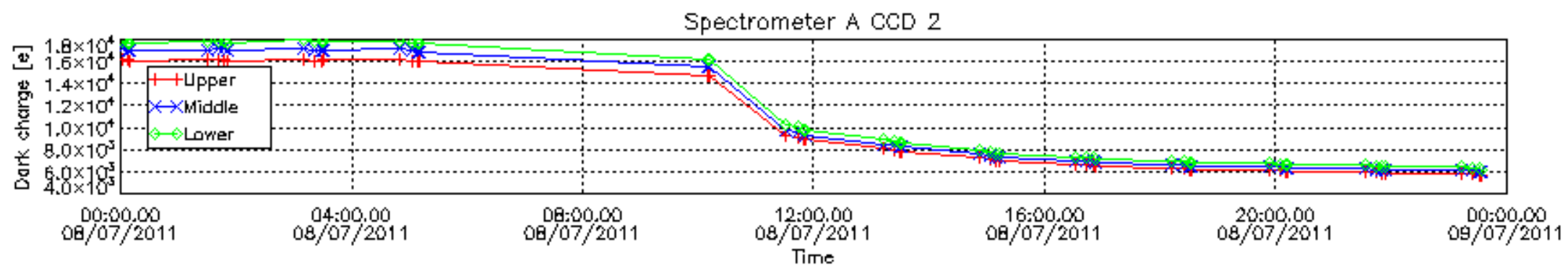
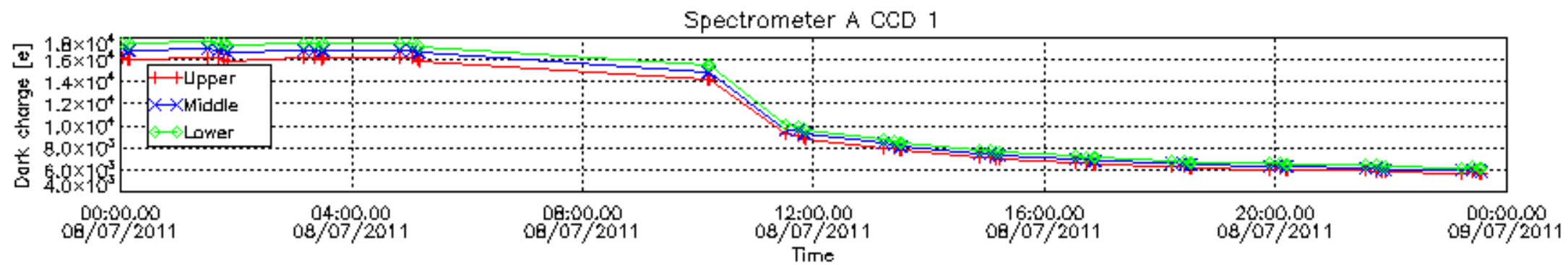
8. Auxiliary Data Files used for the production reported in section 2.4

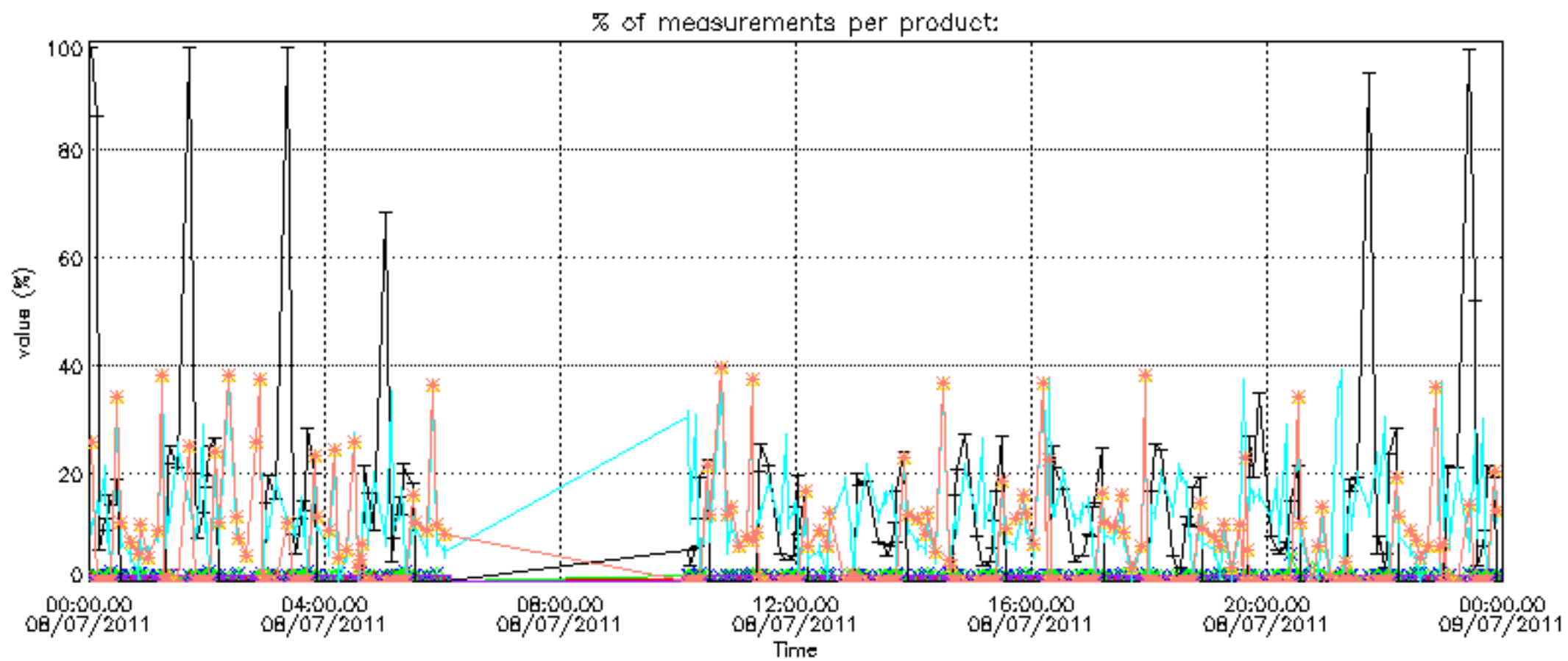
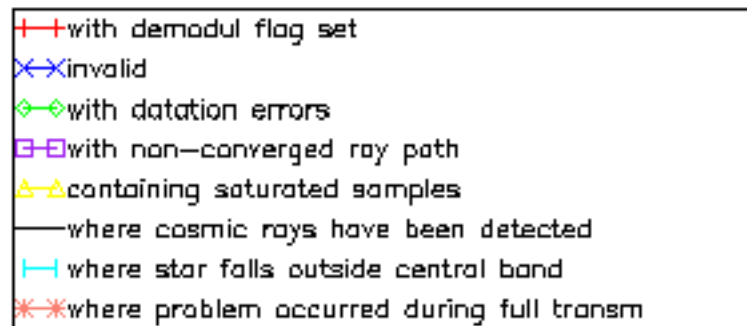
The number reported in the third column indicates since which file (see list in section 2.4) the corresponding auxiliary file has been used. The fourth column is the date of those product files.

| Type | Auxiliary Filename | Used since product | Used since product date |
|---------------------------|---|--------------------|-------------------------|
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| LEVEL-1B_PROC_CONFIG | GOM_PR1_AXNIEC20110513_081743_20020301_000000_20500101_000000 | 74 | 08-JUL-2011 10:09:21 |
| STAR_CATALOGUE | GOM_CAT_AXVIEC20020121_161009_20020101_000000_20200101_000000 | 1 | 08-JUL-2011 00:01:43 |
| STELLAR_SPECTRA_DATABANK | GOM_STS_AXVIEC20091111_151504_20020101_160000_20500101_000000 | 1 | 08-JUL-2011 00:01:43 |
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| ECMWF_FILE | AUX_ECF_AXNECM20110707_181301_20110708_030000_20110708_150000 | 54 | 08-JUL-2011 04:29:38 |
| ECMWF_FILE | AUX_ECF_AXNECM20110708_062114_20110708_090000_20110708_210000 | 74 | 08-JUL-2011 10:09:21 |
| ECMWF_FILE | AUX_ECF_AXNECM20110708_062114_20110708_150000_20110709_030000 | 140 | 08-JUL-2011 15:33:22 |
| ECMWF_FILE | AUX_ECF_AXNECM20110708_062115_20110708_210000_20110709_090000 | 211 | 08-JUL-2011 21:44:52 |
| OPTIONAL_ECMWF_FILE | MISSING | 1 | 08-JUL-2011 00:01:43 |
| ORBIT_DATA_FILE | AUX_FPO_AXVPDS20110707_103300_20110706_194226_20110716_201559 | 1 | 08-JUL-2011 00:01:43 |
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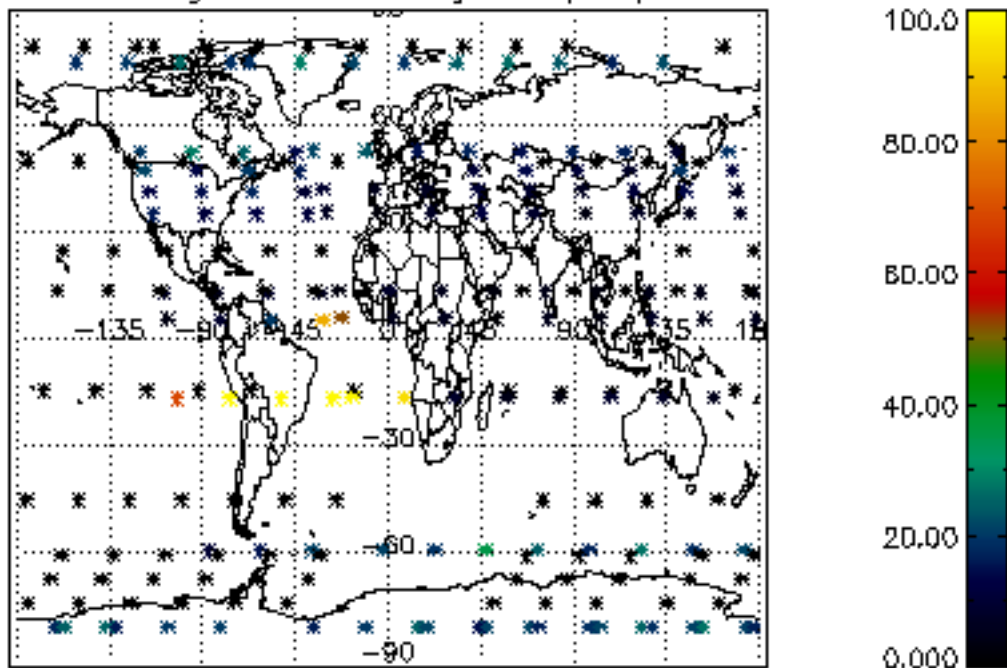




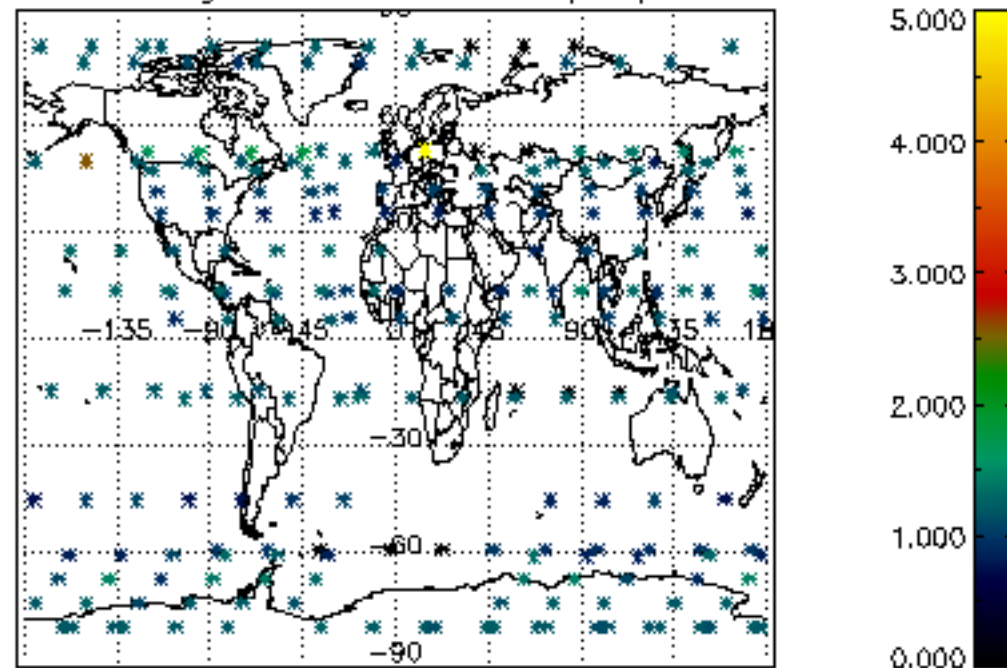




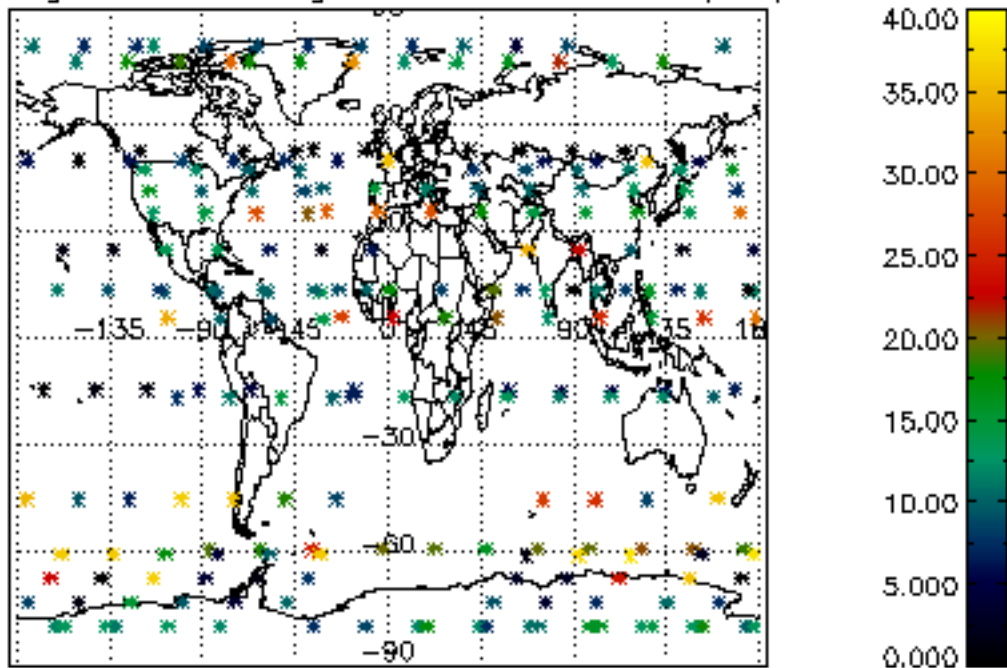
Percentage of cosmic ray hits per profile



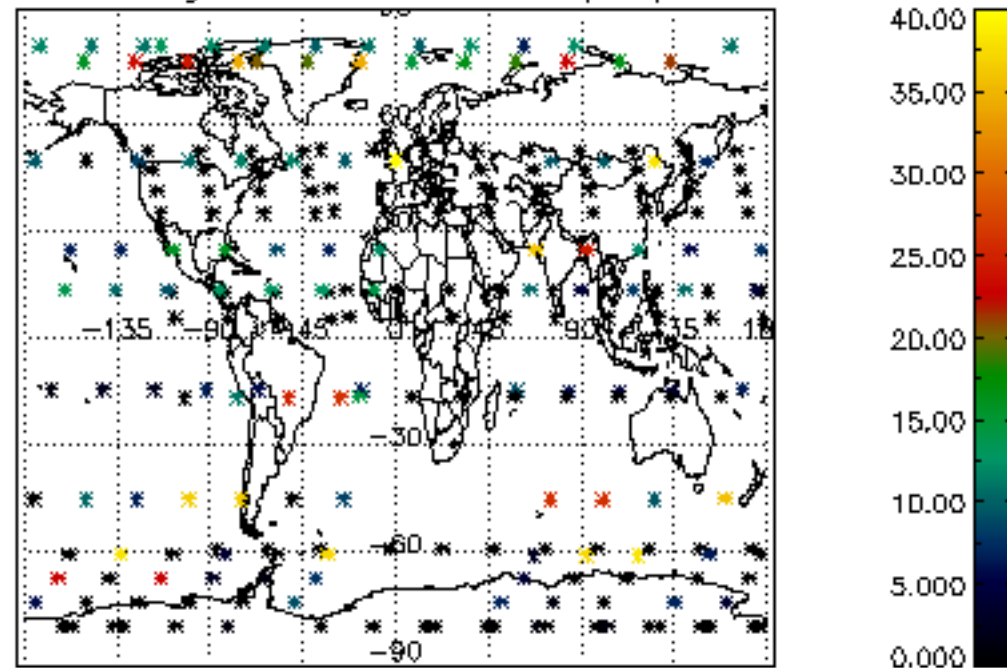
Percentage of datation errors per profile



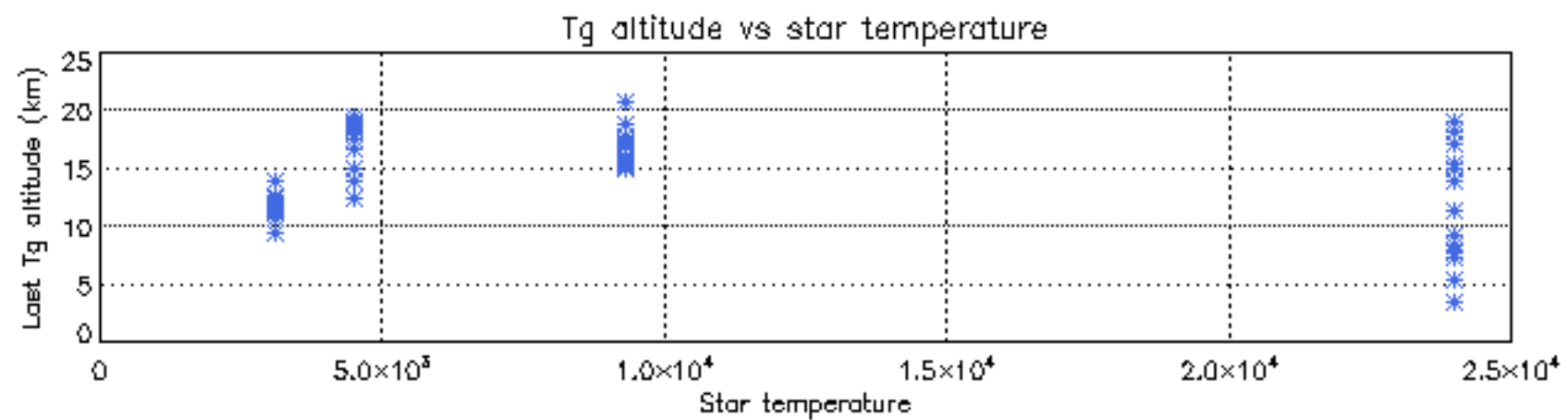
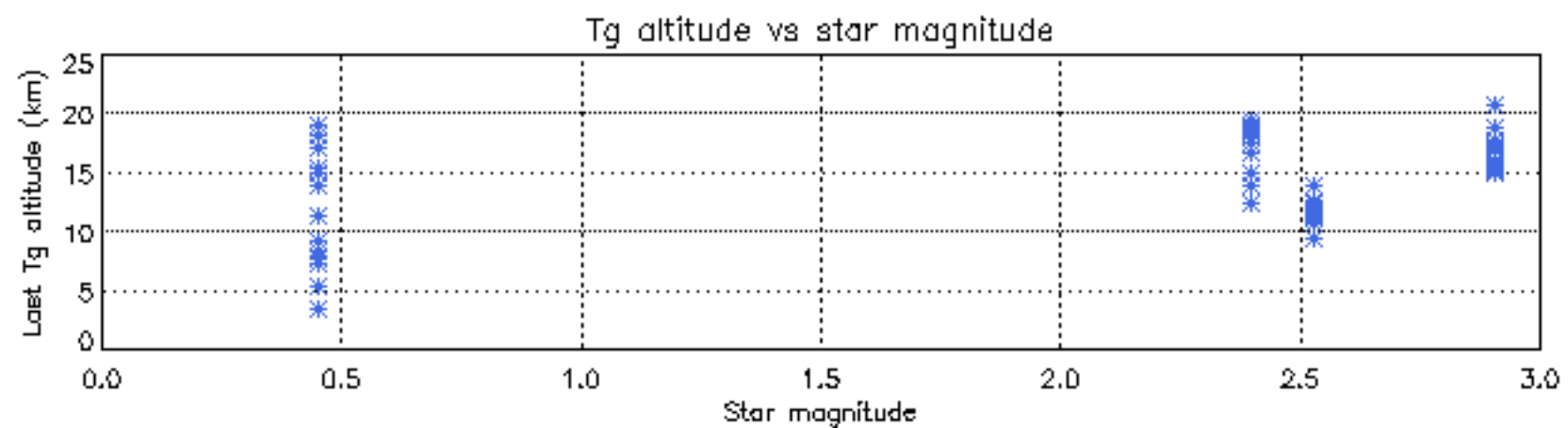
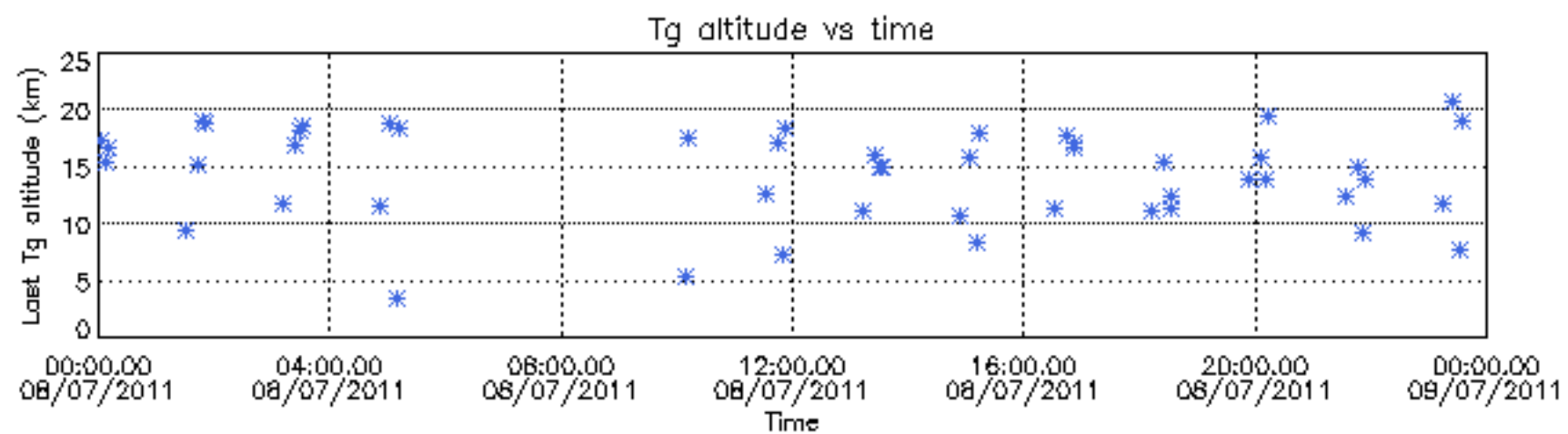
Percentage of star falling outside central band per profile



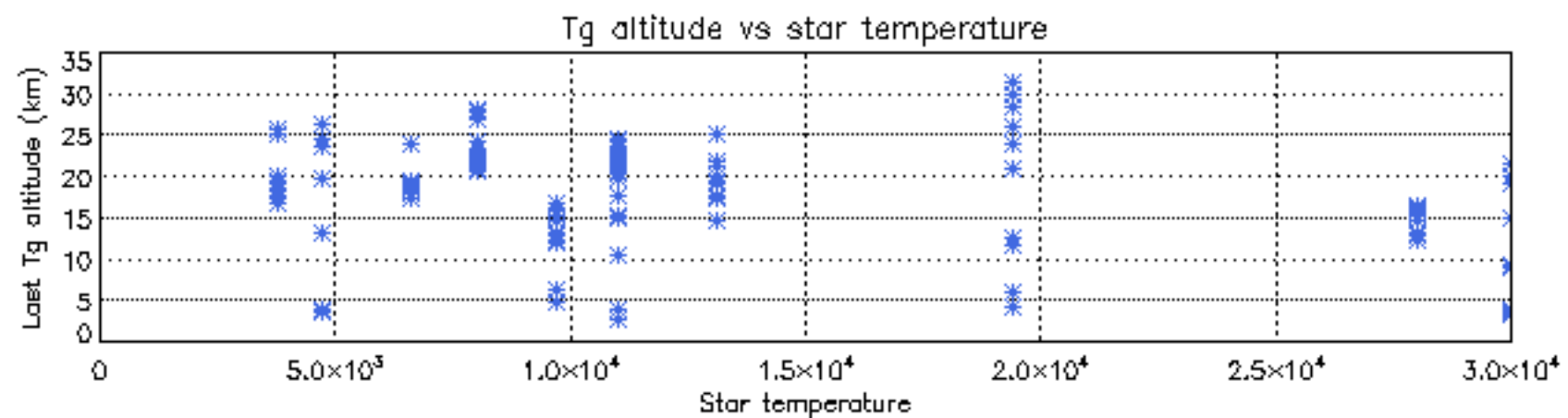
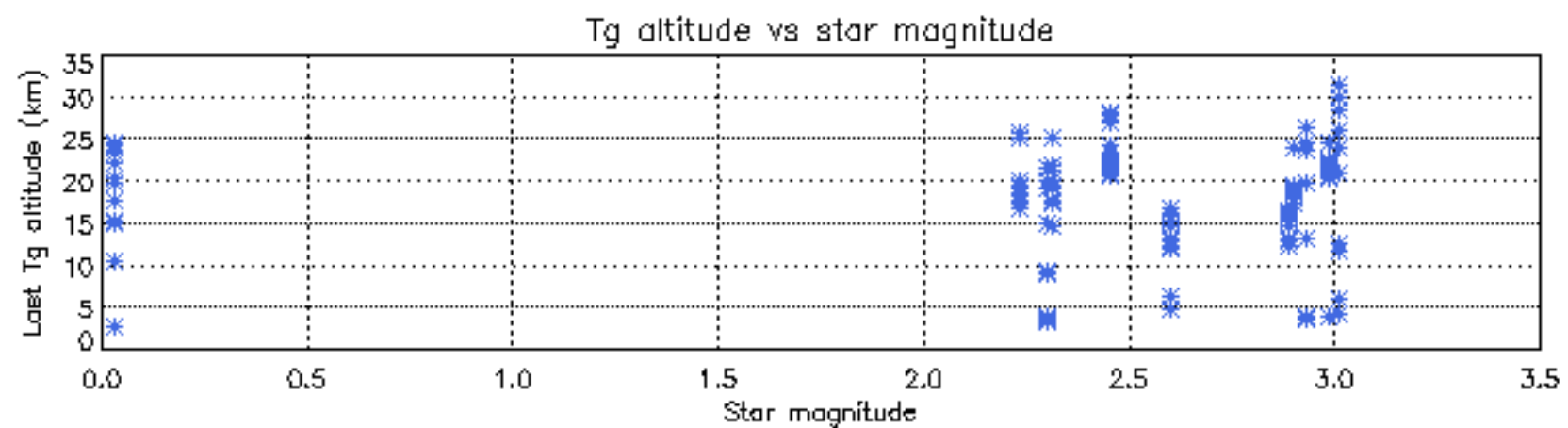
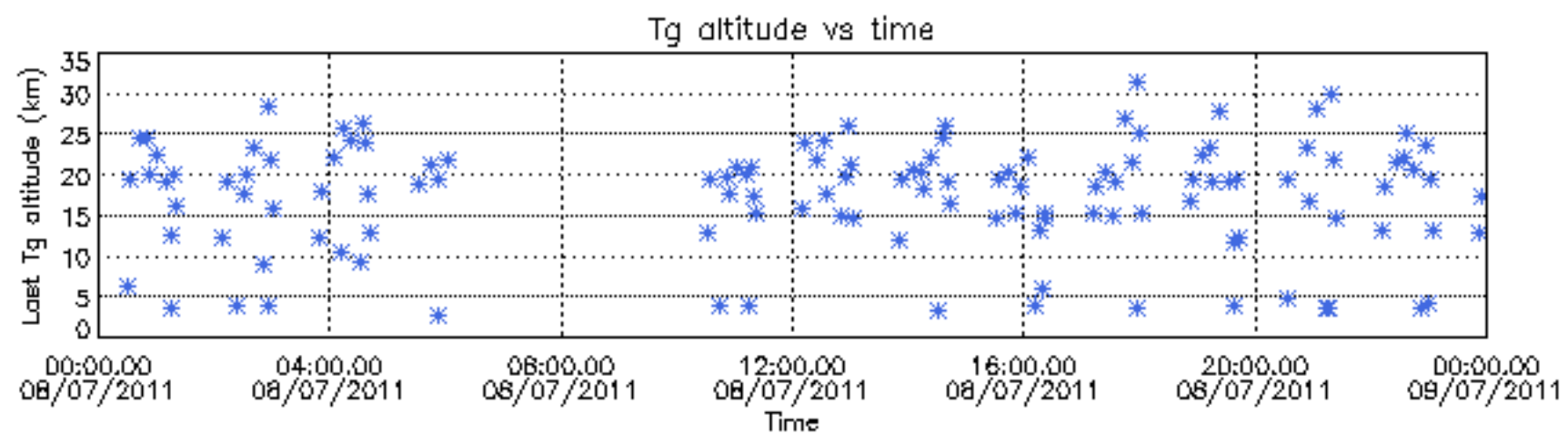
Percentage of saturation errors per profile



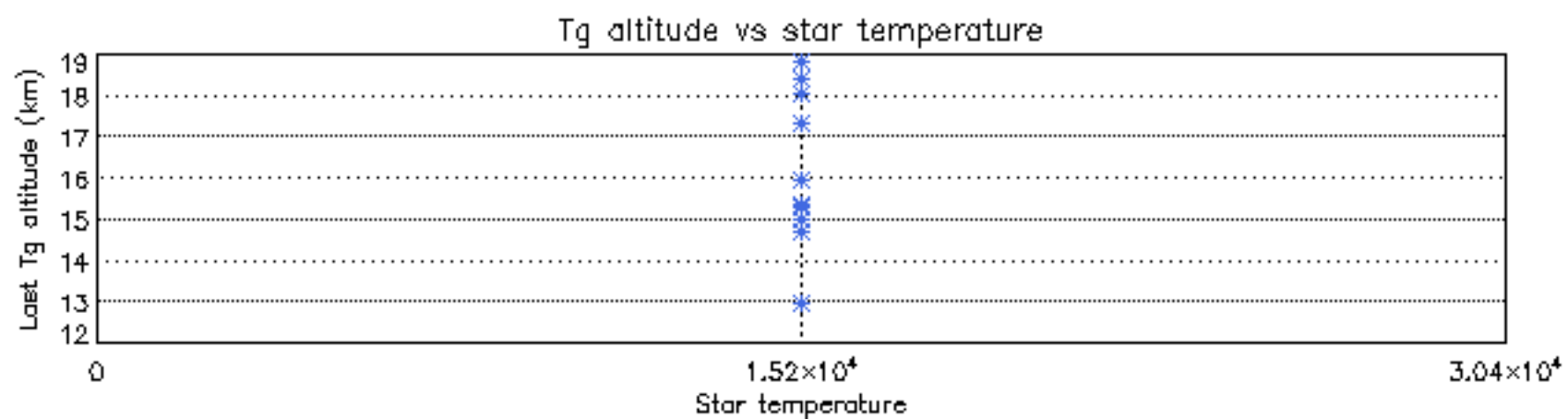
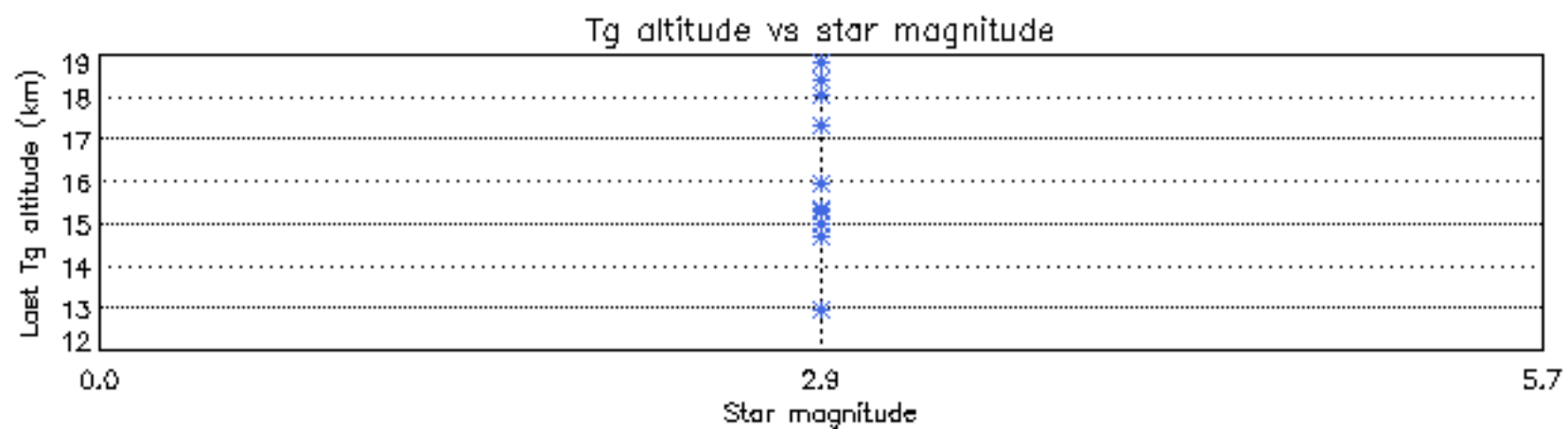
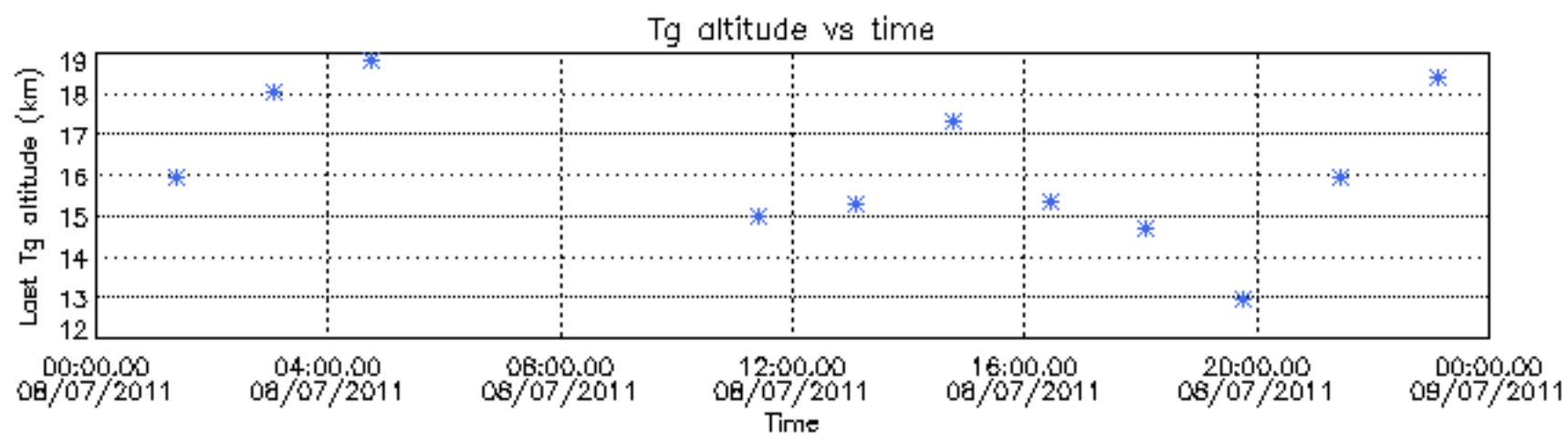
Tangent altitude at which the star is lost

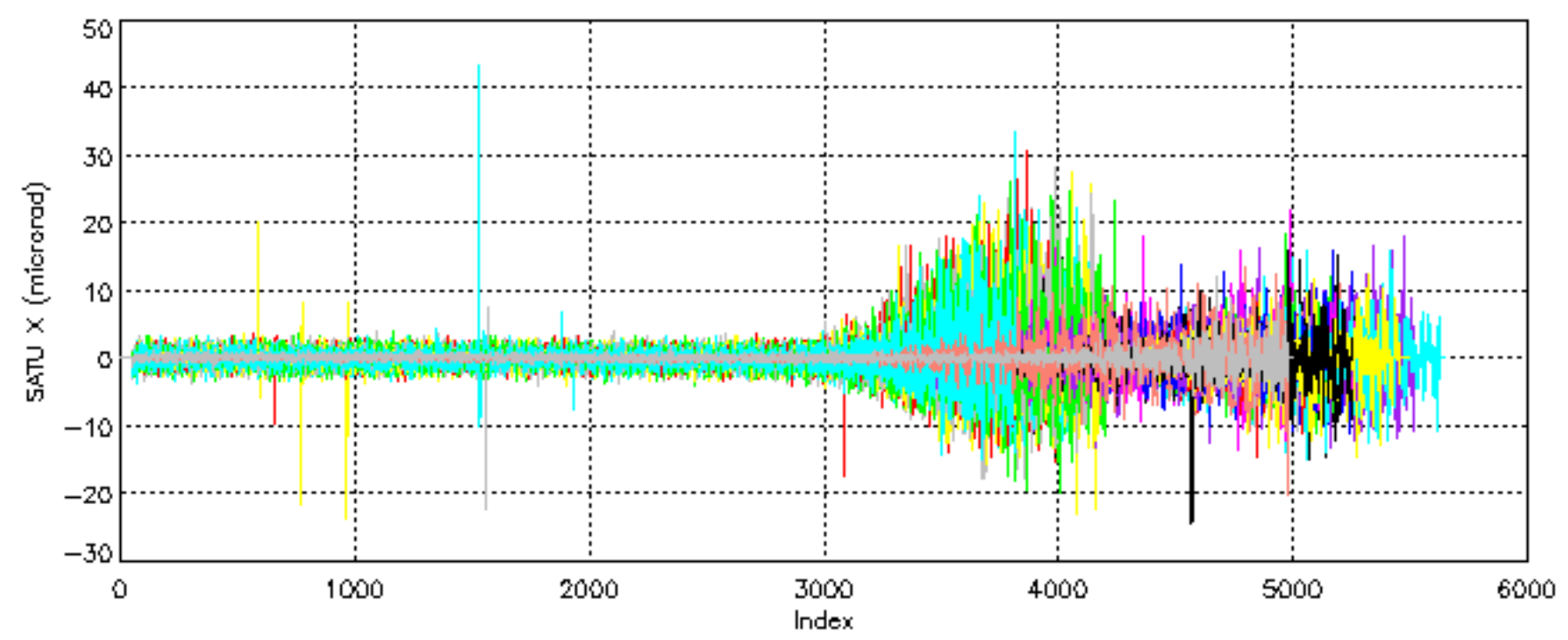


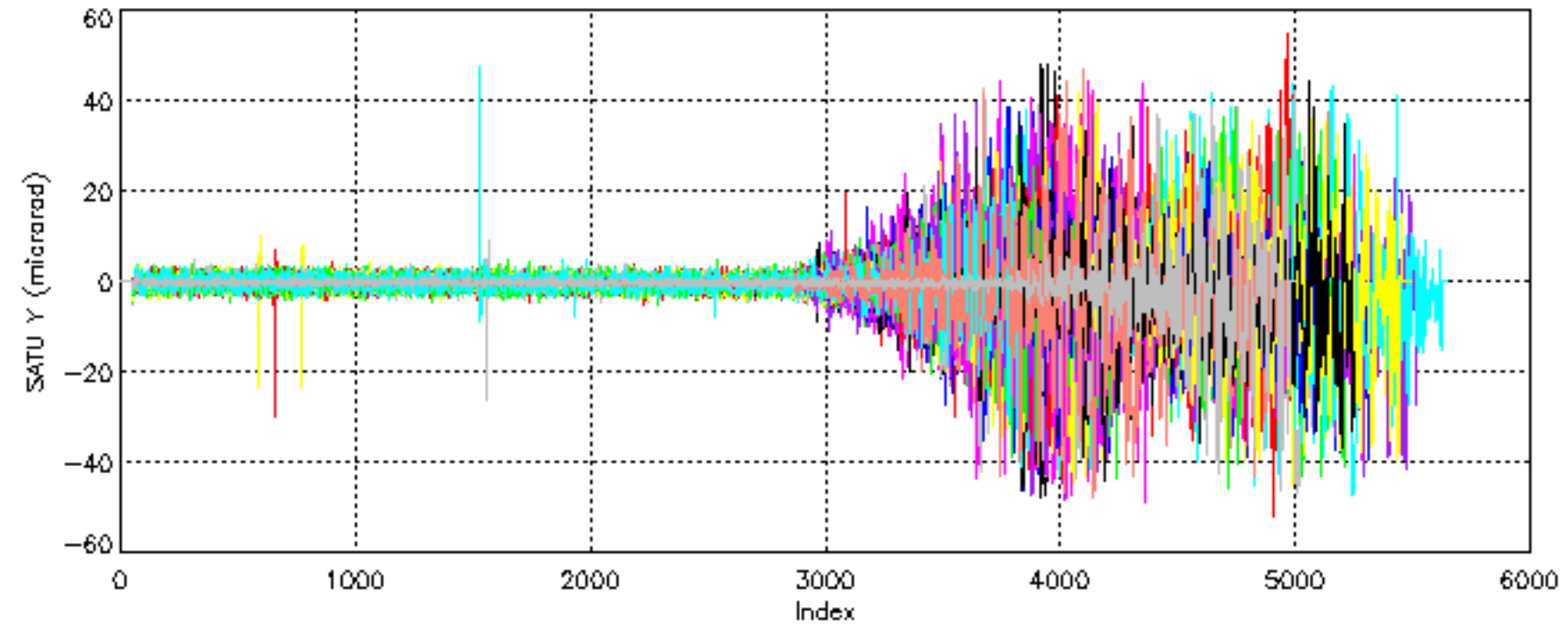
Tangent altitude at which the star is lost

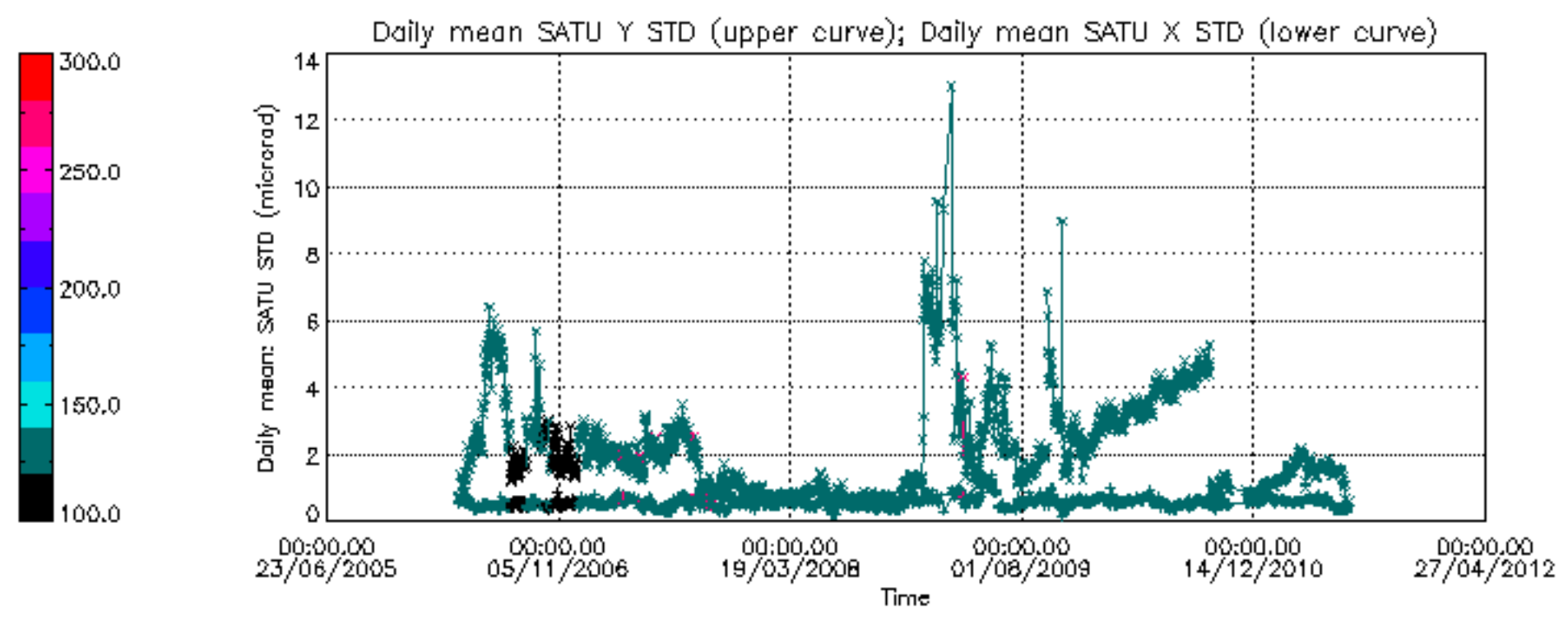


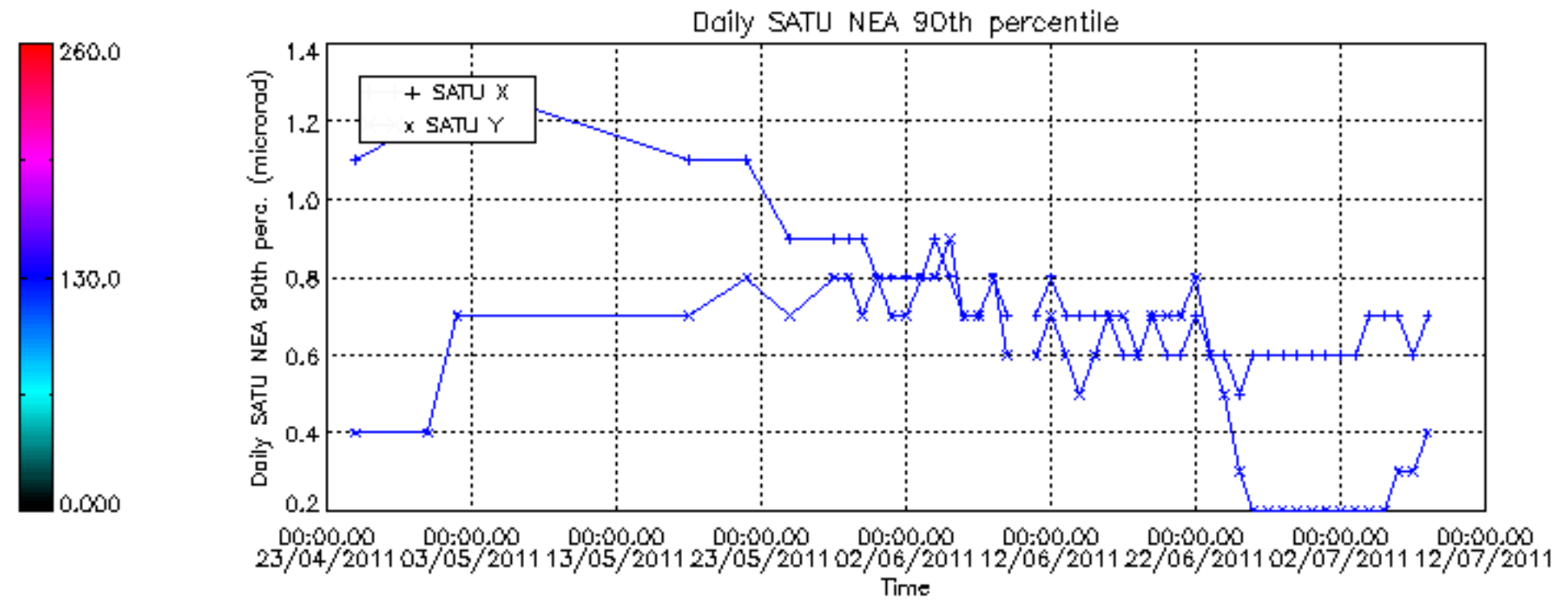
Tangent altitude at which the star is lost











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5; 3108.2; 25-JUL-2011 20:37:51; Bright; 42.5; 89; 5Alp Cep ; 2.45; 8000;occ; 85; 0;49166
6; 3697.5; 25-JUL-2011 20:47:41; Bright; 38.0; 110; 37Del Cas ; 2.68; 8900;occ; 76; 0;49166
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8; 869.1; 25-JUL-2011 21:40:46; Dark ; 44.5; 31; Alp Gru ; 1.73; 15200;occ; 89; 0;49167
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