

GOME Daily Report

INDEX

1. [General Info](#)
 - 1.1 [Report Summary](#)
 - 1.2 [List of received products](#)
 - 1.3 [List of data gaps](#)
 - 1.4 [List of missing products](#)
 - 1.5 [List of corrupted products](#)
2. [Instrument Indicators and Daily Plots](#)
 - 2.1 [Instrument Indicators Status](#)
 - 2.2 [Daily Plots](#)
3. [Instrument Calibration](#)
 - 3.1 [Solar Calibration \(daily/TST44\)](#)
 - 3.2 [Lamp Calibration \(quarterly/TST44\)](#)
4. [Instrument Anomalies](#)
 - 4.1 [Single Event Upset \(SEU\)](#)
 - 4.2 [Instrument Off](#)
 - 4.3 [Cooler Switchings](#)
5. [Instrument Operations](#)
 - 5.1 [Timeline Interruptions](#)
 - 5.2 [TST44](#)
 - 5.3 [Power Cycle](#)
 - 5.4 [Wrong Command Execution](#)
 - 5.5 [Narrow Swath Timeline](#)
 - 5.6 [Seasonal Operations](#)

1 - General Info

1.1 - Report Summary

| Item | Value |
|-------------------------------------|--------------|
| Report Version | GOMEver3_3 |
| Report of Day | 08-SEP-2010 |
| Start Time of First Product | 00:00:20 |
| Stop Time of Last Product | 23:52:15 |
| Number of EGOI Products analysed | 43 |
| Number of corrupted products | -- |
| Anomalies and/or Special Operations | Nominal Data |

1.2 - List of received products

| Name | Date | Time |
|------------------------|-------------|--------------|
| EGOI_100908GSEP4534.E2 | 08-SEP-2010 | 01:47:23.660 |
| EGOI_100908GSEP4562.E2 | 08-SEP-2010 | 03:25:46.757 |
| EGOI_100908GSEP4570.E2 | 08-SEP-2010 | 05:08:44.391 |
| EGOI_100908HLEP7571.E2 | 08-SEP-2010 | 00:56:59.354 |
| EGOI_100908HLEP7582.E2 | 08-SEP-2010 | 14:47:53.922 |
| EGOI_100908HLEP7588.E2 | 08-SEP-2010 | 22:44:34.330 |
| EGOI_100908KSEP3943.E2 | 08-SEP-2010 | 07:07:13.609 |
| EGOI_100908KSEP3961.E2 | 08-SEP-2010 | 08:47:12.725 |
| EGOI_100908KSEP3986.E2 | 08-SEP-2010 | 10:26:52.327 |

| | | |
|------------------------|-------------|--------------|
| EGOI_100908KSEP4014.E2 | 08-SEP-2010 | 12:06:18.434 |
| EGOI_100908KSEP4030.E2 | 08-SEP-2010 | 13:45:17.544 |
| EGOI_100908KSEP4055.E2 | 08-SEP-2010 | 15:23:48.144 |
| EGOI_100908KSEP4084.E2 | 08-SEP-2010 | 17:01:14.235 |
| EGOI_100908KSEP4115.E2 | 08-SEP-2010 | 18:39:13.338 |
| EGOI_100908KSEP4136.E2 | 08-SEP-2010 | 20:18:12.437 |
| EGOI_100908KSEP4162.E2 | 08-SEP-2010 | 21:59:31.055 |
| EGOI_100908KSEP4186.E2 | 08-SEP-2010 | 23:43:25.694 |
| EGOI_100908MAEP6798.E2 | 08-SEP-2010 | 08:54:45.766 |
| EGOI_100908MAEP6810.E2 | 08-SEP-2010 | 10:34:17.873 |
| EGOI_100908MAEP6825.E2 | 08-SEP-2010 | 20:11:31.897 |
| EGOI_100908MAEP6842.E2 | 08-SEP-2010 | 21:51:35.511 |
| EGOI_100908MIEP0278.E2 | 08-SEP-2010 | 01:47:10.149 |
| EGOI_100908MIEP0301.E2 | 08-SEP-2010 | 03:21:09.224 |
| EGOI_100908MIEP0324.E2 | 08-SEP-2010 | 05:03:39.853 |
| EGOI_100908MIEP0334.E2 | 08-SEP-2010 | 15:41:21.246 |
| EGOI_100908MIEP0358.E2 | 08-SEP-2010 | 17:22:00.864 |
| EGOI_100908MMEP4580.E2 | 08-SEP-2010 | 04:30:29.145 |
| EGOI_100908MMEP4589.E2 | 08-SEP-2010 | 06:12:43.277 |
| EGOI_100908MMEP4596.E2 | 08-SEP-2010 | 07:54:03.396 |
| EGOI_100908MMEP4602.E2 | 08-SEP-2010 | 09:34:44.515 |
| EGOI_100908MMEP4610.E2 | 08-SEP-2010 | 12:54:51.732 |
| EGOI_100908MMEP4621.E2 | 08-SEP-2010 | 14:35:20.843 |
| EGOI_100908MMEP4628.E2 | 08-SEP-2010 | 16:14:09.445 |
| EGOI_100908MMEP4637.E2 | 08-SEP-2010 | 21:12:12.770 |
| EGOI_100908MSEP8748.E2 | 08-SEP-2010 | 00:00:20.006 |
| EGOI_100908MSEP8767.E2 | 08-SEP-2010 | 10:40:53.915 |
| EGOI_100908MSEP8795.E2 | 08-SEP-2010 | 12:19:33.517 |
| EGOI_100908MSEP8816.E2 | 08-SEP-2010 | 21:50:47.504 |
| EGOI_100908MSEP8834.E2 | 08-SEP-2010 | 23:28:25.600 |
| EGOI_100908SGEP7998.E2 | 08-SEP-2010 | 02:25:26.890 |
| EGOI_100908SGEP8004.E2 | 08-SEP-2010 | 04:03:21.484 |
| EGOI_100908SGEP8011.E2 | 08-SEP-2010 | 14:59:58.496 |
| EGOI_100908SGEP8017.E2 | 08-SEP-2010 | 16:39:54.606 |

[[BACK TO MENU](#)]

1.3 - List of data gaps

| Station | Orbit | Date | Start Time | Stop Time | Duration (s) |
|---------|-------|-------------|--------------|--------------|--------------|
| KS | 80435 | 08-SEP-2010 | 07:05:36.099 | 07:07:13.608 | 97.509000 |
| KS | 80436 | 08-SEP-2010 | 08:45:04.031 | 08:47:12.725 | 128.69400 |
| KS | 80437 | 08-SEP-2010 | 10:24:41.539 | 10:26:52.326 | 130.78700 |
| KS | 80438 | 08-SEP-2010 | 12:04:08.029 | 12:06:18.433 | 130.40400 |
| KS | 80439 | 08-SEP-2010 | 13:43:05.164 | 13:45:17.544 | 132.38000 |

| | | | | | |
|----|-------|-------------|--------------|--------------|-----------|
| KS | 80440 | 08-SEP-2010 | 15:21:17.211 | 15:23:48.144 | 150.93300 |
| KS | 80441 | 08-SEP-2010 | 16:58:59.510 | 17:01:14.235 | 134.72500 |
| KS | 80442 | 08-SEP-2010 | 18:37:05.779 | 18:39:13.338 | 127.55900 |
| KS | 80443 | 08-SEP-2010 | 20:16:29.417 | 20:18:12.436 | 103.01900 |
| KS | 80444 | 08-SEP-2010 | 21:57:50.194 | 21:59:31.054 | 100.86000 |
| KS | 80445 | 08-SEP-2010 | 23:42:00.775 | 23:43:25.693 | 84.918000 |
| GS | 80432 | 08-SEP-2010 | 01:45:35.226 | 01:47:23.659 | 108.43300 |
| GS | 80433 | 08-SEP-2010 | 03:24:10.993 | 03:25:46.756 | 95.763000 |
| MS | 80431 | 07-SEP-2010 | 23:58:14.332 | 00:00:20.006 | 125.67400 |
| MS | 80437 | 08-SEP-2010 | 10:38:37.294 | 10:40:53.915 | 136.62100 |
| MS | 80438 | 08-SEP-2010 | 12:17:16.659 | 12:19:33.516 | 136.85700 |
| MS | 80444 | 08-SEP-2010 | 21:49:11.633 | 21:50:47.503 | 95.870000 |
| MS | 80445 | 08-SEP-2010 | 23:26:20.992 | 23:28:25.600 | 124.60800 |
| MA | 80437 | 08-SEP-2010 | 10:32:42.187 | 10:34:17.872 | 95.685000 |
| MA | 80443 | 08-SEP-2010 | 20:09:12.497 | 20:11:31.897 | 139.40000 |
| MA | 80444 | 08-SEP-2010 | 21:49:57.483 | 21:51:35.511 | 98.028000 |
| MI | 80432 | 08-SEP-2010 | 01:45:14.921 | 01:47:10.148 | 115.22700 |
| MI | 80433 | 08-SEP-2010 | 03:19:06.986 | 03:21:09.224 | 122.23800 |
| MI | 80434 | 08-SEP-2010 | 05:01:47.050 | 05:03:39.853 | 112.80300 |
| MI | 80440 | 08-SEP-2010 | 15:39:19.717 | 15:41:21.245 | 121.52800 |
| MI | 80441 | 08-SEP-2010 | 17:20:00.269 | 17:22:00.864 | 120.59500 |
| MM | 80436 | 08-SEP-2010 | 09:33:36.710 | 09:34:44.515 | 67.805000 |
| MM | 80438 | 08-SEP-2010 | 12:53:38.762 | 12:54:51.731 | 72.969000 |
| MM | 80439 | 08-SEP-2010 | 14:33:18.263 | 14:35:20.842 | 122.57900 |
| MM | 80440 | 08-SEP-2010 | 16:12:41.434 | 16:14:09.445 | 88.011000 |
| MM | 80443 | 08-SEP-2010 | 21:10:35.217 | 21:12:12.770 | 97.553000 |
| SG | 80432 | 08-SEP-2010 | 02:23:20.997 | 02:25:26.889 | 125.89200 |
| SG | 80433 | 08-SEP-2010 | 04:01:15.269 | 04:03:21.483 | 126.21400 |
| SG | 80439 | 08-SEP-2010 | 14:56:46.183 | 14:59:58.495 | 192.31200 |
| SG | 80440 | 08-SEP-2010 | 16:37:24.529 | 16:39:54.605 | 150.07600 |

[[BACK TO MENU](#)]

1.4 - List of missing products

| Station | Orbit | Date | Start Time | Stop Time | Duration (s) |
|---------|-------|-------------|--------------|--------------|--------------|
| HO | 80431 | 08-SEP-2010 | 00:52:26.335 | 01:06:12.444 | 826.10900 |
| MM | 80431 | 08-SEP-2010 | 01:04:16.752 | 01:14:42.120 | 625.36800 |

| | | | | | |
|----|-------|-------------|--------------|--------------|-----------|
| KS | 80431 | 08-SEP-2010 | 00:15:56.864 | 00:19:32.904 | 216.04000 |
| BE | 80432 | 08-SEP-2010 | 02:10:57.739 | 02:23:19.358 | 741.61900 |
| MM | 80432 | 08-SEP-2010 | 02:46:56.909 | 02:55:07.406 | 490.49700 |
| BE | 80433 | 08-SEP-2010 | 03:50:14.235 | 04:02:46.706 | 752.47100 |
| CM | 80433 | 08-SEP-2010 | 03:18:57.507 | 03:29:54.056 | 656.54900 |
| CM | 80433 | 08-SEP-2010 | 04:58:23.557 | 05:08:49.797 | 626.24000 |
| JO | 80435 | 08-SEP-2010 | 07:30:53.768 | 07:44:57.939 | 844.17100 |
| JO | 80436 | 08-SEP-2010 | 09:10:26.654 | 09:23:57.945 | 811.29100 |
| HO | 80437 | 08-SEP-2010 | 11:24:03.949 | 11:35:02.761 | 658.81200 |
| MM | 80437 | 08-SEP-2010 | 11:13:44.458 | 11:25:43.838 | 719.38000 |
| HO | 80438 | 08-SEP-2010 | 13:02:13.508 | 13:17:02.597 | 889.08900 |
| HO | 80439 | 08-SEP-2010 | 14:42:36.690 | 14:53:07.056 | 630.36600 |
| GS | 80439 | 08-SEP-2010 | 13:56:17.565 | 14:03:15.777 | 418.21200 |
| SG | 80439 | 08-SEP-2010 | 14:56:46.183 | 15:10:05.589 | 799.40600 |
| BE | 80440 | 08-SEP-2010 | 15:07:33.918 | 15:19:31.356 | 717.43800 |
| GS | 80440 | 08-SEP-2010 | 15:33:22.885 | 15:47:08.694 | 825.80900 |
| CM | 80440 | 08-SEP-2010 | 15:42:41.747 | 15:53:45.110 | 663.36300 |
| MM | 80441 | 08-SEP-2010 | 17:51:51.583 | 18:04:24.007 | 752.42400 |
| GS | 80441 | 08-SEP-2010 | 17:13:10.801 | 17:25:24.602 | 733.80100 |
| CM | 80441 | 08-SEP-2010 | 17:22:10.176 | 17:32:29.890 | 619.71400 |
| MM | 80442 | 08-SEP-2010 | 19:31:02.105 | 19:43:42.736 | 760.63100 |
| JO | 80442 | 08-SEP-2010 | 19:50:58.881 | 20:04:27.262 | 808.38100 |
| JO | 80443 | 08-SEP-2010 | 21:29:56.936 | 21:44:03.156 | 846.22000 |
| HO | 80444 | 08-SEP-2010 | 22:42:32.185 | 22:55:26.470 | 774.28500 |
| MM | 80444 | 08-SEP-2010 | 22:50:53.473 | 23:03:08.145 | 734.67200 |

[[BACK TO MENU](#)]

1.5 - List of corrupted products

| Station | Orbit | Time |
|---------|-------|------|
|---------|-------|------|

2 - Instrument Indicators and Daily Plots

2.1 - Instrument Indicators Status

| Indicator | Value |
|---------------------------|-------|
| MPH Product Confidence | OK |
| SPH Product Confidence | OK |
| Command Word Echo Summary | OK |
| Instrument Status 1A | OK |

| | |
|--------------------------------------|----|
| Instrument Status 1B | OK |
| Instrument Status 2 | OK |
| Integration Times Channel 1 | OK |
| Co-Adding and Cluster Mode Flags | OK |
| Integration Times Band 2A | OK |
| Integration Times Band 2B | OK |
| Integration Times Band 3 | OK |
| Integration Times Band 4 | OK |
| Scan Mirror position | OK |
| Polarization Detectors | OK |
| FPA Temperatures A | OK |
| FPA Temperaturas B | OK |
| Charge Amp Temperatures | OK |
| Other Temperatures A | OK |
| DDHU Temperatures | OK |
| Optical Bench Temperatures | OK |
| Other Temperatures B | OK |
| Calibration Lamp and Instr. Status 3 | OK |
| Scan Mirror and Motor Current | OK |
| Selected Temperature A | OK |
| Selected Temperature B | OK |
| Selected Temperature C | OK |
| Channel 1 Summation | OK |
| Channel 2 Summation | OK |
| Channel 4 Summation | OK |
| Log Pages | OK |
| 331/338 nm Uncal. Line Ratio | OK |
| Uncal. PMDs as RGB signal | OK |
| 780 nm Uncal. Intensity | OK |

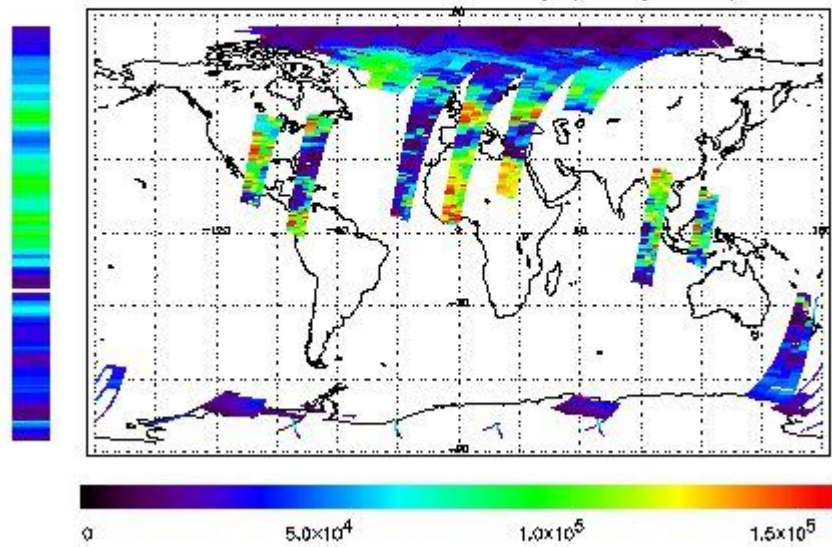
2.2 - Daily Plots

The images linked below provide a quick check on the data coverage and instrument performance. All data are UNCALIBRATED. For the explanation see the [GOME Performance Legend](#)

NEAR IR Intensity

First Product : 08-SEP-2010 00:00:20.006 : ORBIT : 80431.0173
 Last Product : 08-SEP-2010 23:52:15.248 : ORBIT : 80446.2513
 Total Products Processed : 20478 Day : 251 Page : 21

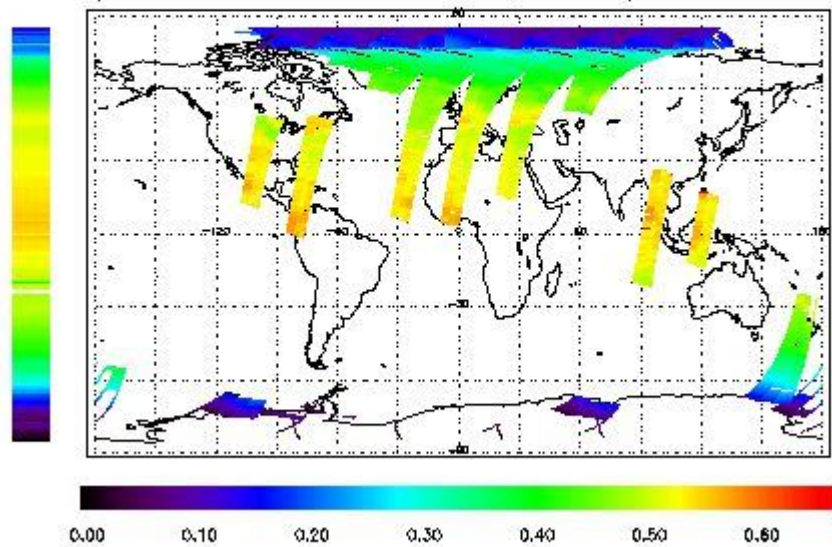
778 nm Uncalibrated Intensity (Binary Units)



Ozone Line Ratio

First Product : 08-SEP-2010 00:00:20.006 : ORBIT : 80431.0173
 Last Product : 08-SEP-2010 23:52:15.248 : ORBIT : 80446.2513
 Total Products Processed : 20478 Day : 251 Page : 20

331/313 nm Uncalibrated Line Ratio, SZA Dependence Removed



PMD Image (Earthshine Radiance)

5 - Instrument Operations

[Additional Info](#)

5.1 - Timeline Interruptions

| Start Time | End Time | Start Orbit | End Orbit | Ground Station Visibility |
|------------|----------|-------------|-----------|---------------------------|
| -- | -- | -- | -- | -- |

5.2 - TST44

| Start Time | Start Orbit | Ground Station Visibility |
|------------|-------------|---------------------------|
| -- | -- | -- |

5.3 - Power Cycle

| Start Time | End Time | Start Orbit | End Orbit | Ground Station Visibility |
|------------|----------|-------------|-----------|---------------------------|
| -- | -- | -- | -- | -- |

5.4 - Wrong Command Execution

| Start Time | End Time | Start Orbit | End Orbit | Ground Station Visibility |
|------------|----------|-------------|-----------|---------------------------|
| -- | -- | -- | -- | -- |

5.5 - Narrow Swath Timeline

| Start Time | End Time | Start Orbit | End Orbit |
|------------|----------|-------------|-----------|
| 1:00 | -- | 80388 | -- |

5.6 - Seasonal Operations

| Start Time | End Time | Start Orbit | End Orbit |
|------------|----------|-------------|-----------|
| -- | -- | -- | -- |