# GOME Daily Report

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## 1 - General Info

### 1.1 - Report Summary

| Item | Value |
|---|---|
| Report Version | GOMEver3_3 |
| Report of Day | 06-JUL-2010 |
| Start Time of First Product | 00:11:44 |
| Stop Time of Last Product | 23:52:45 |
| Number of EGOI Products analysed | 39 |
| Number of corrupted products | 1 |
| Anomalies and/or Special Operations | No solar calibration available due to the execution of an ERS-2 orbit manoeuvre |

### 1.2 - List of received products

| Name | Date | Time |
|---|---|---|
| EGOI_100706HLEP5756.E2 | 06-JUL-2010 | 01:05:46.105 |
| EGOI_100706HLEP5763.E2 | 06-JUL-2010 | 11:36:33.443 |
| EGOI_100706HLEP5771.E2 | 06-JUL-2010 | 13:19:17.573 |
| EGOI_100706HLEP5781.E2 | 06-JUL-2010 | 22:57:13.585 |
| EGOI_100706KSEP8867.E2 | 06-JUL-2010 | 07:18:06.370 |
| EGOI_100706KSEP8886.E2 | 06-JUL-2010 | 08:58:06.976 |
| EGOI_100706KSEP8907.E2 | 06-JUL-2010 | 10:37:45.083 |
| EGOI_100706KSEP8931.E2 | 06-JUL-2010 | 12:17:09.693 |
| EGOI_100706KSEP8959.E2 | 06-JUL-2010 | 13:56:07.292 |

| | | |
|---|---|---|
| EGOI_100706KSEP8984.E2 | 06-JUL-2010 | 15:34:22.890 |
| EGOI_100706KSEP9013.E2 | 06-JUL-2010 | 17:11:56.485 |
| EGOI_100706KSEP9045.E2 | 06-JUL-2010 | 18:49:55.579 |
| EGOI_100706KSEP9076.E2 | 06-JUL-2010 | 20:29:11.189 |
| EGOI_100706KSEP9102.E2 | 06-JUL-2010 | 22:10:46.303 |
| EGOI_100706MAEP4159.E2 | 06-JUL-2010 | 09:05:32.523 |
| EGOI_100706MAEP4172.E2 | 06-JUL-2010 | 10:45:27.130 |
| EGOI_100706MAEP4180.E2 | 06-JUL-2010 | 22:03:02.760 |
| EGOI_100706MIEP5513.E2 | 06-JUL-2010 | 01:56:20.918 |
| EGOI_100706MIEP5537.E2 | 06-JUL-2010 | 03:33:30.504 |
| EGOI_100706MIEP5554.E2 | 06-JUL-2010 | 05:15:58.125 |
| EGOI_100706MIEP5567.E2 | 06-JUL-2010 | 14:17:53.928 |
| EGOI_100706MIEP5577.E2 | 06-JUL-2010 | 15:52:12.499 |
| EGOI_100706MMEP0832.E2 | 06-JUL-2010 | 01:16:32.671 |
| EGOI_100706MMEP0839.E2 | 06-JUL-2010 | 02:59:30.297 |
| EGOI_100706MMEP0849.E2 | 06-JUL-2010 | 08:05:11.159 |
| EGOI_100706MMEP0856.E2 | 06-JUL-2010 | 09:46:11.771 |
| EGOI_100706MMEP0863.E2 | 06-JUL-2010 | 11:25:51.377 |
| EGOI_100706MMEP0876.E2 | 06-JUL-2010 | 18:05:10.309 |
| EGOI_100706MMEP0884.E2 | 06-JUL-2010 | 19:43:37.908 |
| EGOI_100706MMEP0893.E2 | 06-JUL-2010 | 23:03:13.621 |
| EGOI_100706MSEP1356.E2 | 06-JUL-2010 | 00:11:44.277 |
| EGOI_100706MSEP1383.E2 | 06-JUL-2010 | 10:51:22.666 |
| EGOI_100706MSEP1411.E2 | 06-JUL-2010 | 12:30:32.276 |
| EGOI_100706MSEP1434.E2 | 06-JUL-2010 | 22:01:07.249 |
| EGOI_100706MSEP1464.E2 | 06-JUL-2010 | 23:39:18.343 |
| EGOI_100706SGEP6846.E2 | 06-JUL-2010 | 02:39:33.180 |
| EGOI_100706SGEP6852.E2 | 06-JUL-2010 | 04:18:08.278 |
| EGOI_100706SGEP6860.E2 | 06-JUL-2010 | 15:09:30.241 |
| EGOI_100706SGEP6866.E2 | 06-JUL-2010 | 16:51:32.360 |

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### 1.3 - List of data gaps

| Station | Orbit | Date | Start Time | Stop Time | Duration (s) |
|---|---|---|---|---|---|
| KS | 79519 | 06-JUL-2010 | 07:16:56.443 | 07:18:06.369 | 69.926000 |
| KS | 79520 | 06-JUL-2010 | 08:56:27.190 | 08:58:06.975 | 99.785000 |
| KS | 79521 | 06-JUL-2010 | 10:36:04.297 | 10:37:45.082 | 100.78500 |
| KS | 79522 | 06-JUL-2010 | 12:15:28.424 | 12:17:09.693 | 101.26900 |
| KS | 79523 | 06-JUL-2010 | 13:54:22.760 | 13:56:07.291 | 104.53100 |
| KS | 79524 | 06-JUL-2010 | 15:32:27.910 | 15:34:22.889 | 114.97900 |
| KS | 79525 | 06-JUL-2010 | 17:10:11.823 | 17:11:56.485 | 104.66200 |
| KS | 79526 | 06-JUL-2010 | 18:48:22.592 | 18:49:55.578 | 92.986000 |

| | | | | | |
|---|---|---|---|---|---|
| KS | 79527 | 06-JUL-2010 | 20:27:57.732 | 20:29:11.189 | 73.457000 |
| KS | 79528 | 06-JUL-2010 | 22:09:34.438 | 22:10:46.303 | 71.865000 |
| MS | 79515 | 06-JUL-2010 | 00:10:01.881 | 00:11:44.276 | 102.39500 |
| MS | 79521 | 06-JUL-2010 | 10:49:36.088 | 10:51:22.665 | 106.57700 |
| MS | 79522 | 06-JUL-2010 | 12:28:44.394 | 12:30:32.276 | 107.88200 |
| MS | 79528 | 06-JUL-2010 | 21:59:54.646 | 22:01:07.249 | 72.603000 |
| MS | 79529 | 06-JUL-2010 | 23:37:51.891 | 23:39:18.343 | 86.452000 |
| MA | 79521 | 06-JUL-2010 | 10:44:09.312 | 10:45:27.129 | 77.817000 |
| MA | 79528 | 06-JUL-2010 | 22:01:51.332 | 22:03:02.760 | 71.428000 |
| MA | 79528 | 06-JUL-2010 | 22:04:19.266 | 22:12:40.136 | 500.87000 |
| MI | 79516 | 06-JUL-2010 | 01:54:59.949 | 01:56:20.918 | 80.969000 |
| MI | 79517 | 06-JUL-2010 | 03:30:25.779 | 03:33:30.504 | 184.72500 |
| MI | 79518 | 06-JUL-2010 | 05:14:50.827 | 05:15:58.124 | 67.297000 |
| MI | 79524 | 06-JUL-2010 | 15:50:36.074 | 15:52:12.499 | 96.425000 |
| MM | 79520 | 06-JUL-2010 | 09:45:04.008 | 09:46:11.771 | 67.763000 |
| MM | 79525 | 06-JUL-2010 | 18:03:11.265 | 18:05:10.309 | 119.04400 |
| MM | 79526 | 06-JUL-2010 | 19:42:23.148 | 19:43:37.908 | 74.760000 |
| SG | 79516 | 06-JUL-2010 | 02:34:07.149 | 02:39:33.180 | 326.03100 |
| SG | 79517 | 06-JUL-2010 | 04:12:53.024 | 04:18:08.278 | 315.25400 |
| SG | 79523 | 06-JUL-2010 | 15:07:55.120 | 15:09:30.240 | 95.120000 |
| SG | 79524 | 06-JUL-2010 | 16:49:34.408 | 16:51:32.360 | 117.95200 |

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### 1.4 - List of missing products

| Station | Orbit | Date | Start Time | Stop Time | Duration (s) |
|---|---|---|---|---|---|
| HO | 79515 | 06-JUL-2010 | 01:04:05.915 | 01:17:23.608 | 797.69300 |
| BE | 79516 | 06-JUL-2010 | 02:22:10.150 | 02:34:58.121 | 767.97100 |
| GS | 79516 | 06-JUL-2010 | 01:56:38.007 | 02:09:36.414 | 778.40700 |
| CM | 79516 | 06-JUL-2010 | 03:29:55.332 | 03:41:30.924 | 695.59200 |
| BE | 79517 | 06-JUL-2010 | 04:01:44.171 | 04:13:48.624 | 724.45300 |
| MM | 79517 | 06-JUL-2010 | 04:41:46.741 | 04:47:44.892 | 358.15100 |
| GS | 79517 | 06-JUL-2010 | 03:35:44.444 | 03:49:05.985 | 801.54100 |
| CM | 79517 | 06-JUL-2010 | 05:10:20.860 | 05:19:38.425 | 557.56500 |
| MM | 79518 | 06-JUL-2010 | 06:23:49.565 | 06:30:10.001 | 380.43600 |
| JO | 79519 | 06-JUL-2010 | 07:41:58.241 | 07:56:28.009 | 869.76800 |
| JO | 79520 | 06-JUL-2010 | 09:22:15.034 | 09:34:58.980 | 763.94600 |

| | | | | | |
|---|---|---|---|---|---|
| HO | 79521 | 06-JUL-2010 | 11:35:04.122 | 11:47:07.811 | 723.68900 |
| HO | 79522 | 06-JUL-2010 | 13:13:35.146 | 13:28:24.496 | 889.35000 |
| MM | 79522 | 06-JUL-2010 | 13:05:02.920 | 13:17:43.473 | 760.55300 |
| HO | 79523 | 06-JUL-2010 | 14:54:14.777 | 15:03:43.308 | 568.53100 |
| MM | 79523 | 06-JUL-2010 | 14:44:40.604 | 14:57:22.413 | 761.80900 |
| GS | 79523 | 06-JUL-2010 | 14:06:59.372 | 14:15:41.861 | 522.48900 |
| SG | 79523 | 06-JUL-2010 | 15:07:55.120 | 15:21:35.690 | 820.57000 |
| BE | 79524 | 06-JUL-2010 | 15:19:22.552 | 15:30:37.712 | 675.16000 |
| MM | 79524 | 06-JUL-2010 | 16:24:01.954 | 16:36:35.156 | 753.20200 |
| GS | 79524 | 06-JUL-2010 | 15:44:42.445 | 15:58:35.864 | 833.41900 |
| CM | 79524 | 06-JUL-2010 | 15:53:44.696 | 16:05:26.345 | 701.64900 |
| MI | 79525 | 06-JUL-2010 | 17:31:58.109 | 17:39:59.875 | 481.76600 |
| GS | 79525 | 06-JUL-2010 | 17:24:41.280 | 17:36:21.228 | 699.94800 |
| CM | 79525 | 06-JUL-2010 | 17:33:59.122 | 17:43:12.461 | 553.33900 |
| MA | 79526 | 06-JUL-2010 | 18:47:33.290 | 18:51:43.396 | 250.10600 |
| JO | 79526 | 06-JUL-2010 | 20:02:04.651 | 20:16:09.473 | 844.82200 |
| MM | 79527 | 06-JUL-2010 | 21:22:00.359 | 21:34:41.537 | 761.17800 |
| MA | 79527 | 06-JUL-2010 | 20:20:22.743 | 20:34:10.037 | 827.29400 |
| JO | 79527 | 06-JUL-2010 | 21:41:29.919 | 21:55:02.788 | 812.86900 |
| HO | 79528 | 06-JUL-2010 | 22:53:39.237 | 23:06:53.992 | 794.75500 |

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### 1.5 - List of corrupted products

| Station | Orbit | Time |
|---|---|---|
| MI | 79517 | 03:42:06.544 |

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## 2 - Instrument Indicators and Daily Plots

### 2.1 - Instrument Indicators Status

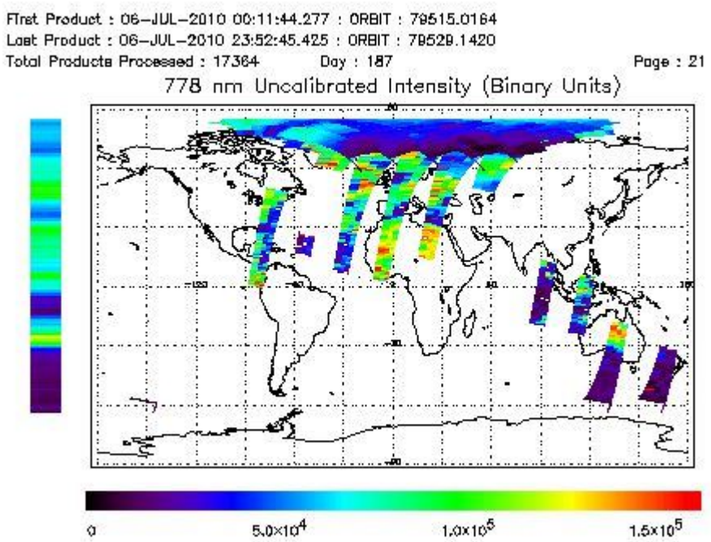
| Indicator | Value |
|---|---|
| MPH Product Confidence | OK |
| SPH Product Confidence | OK |
| Command Word Echo Summary | OK |
| Instrument Status 1A | OK |
| Instrument Status 1B | OK |
| Instrument Status 2 | OK |
| Integration Times Channel 1 | OK |
| Co-Adding and Cluster Mode Flags | OK |
| 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 |

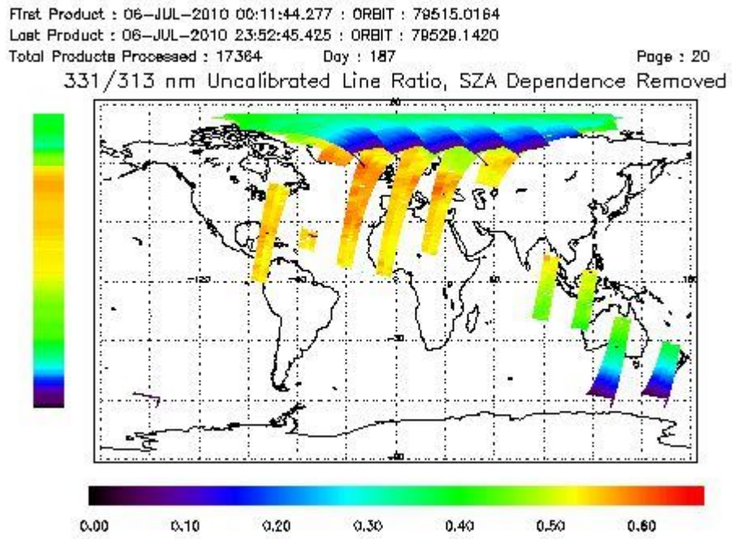
## 2.2 - Daily Plots

The images linked below provide a quick check on the data coverage and instrument performance. All data are UNCALIBRATED. For the explaination see the GOME Performance Legend

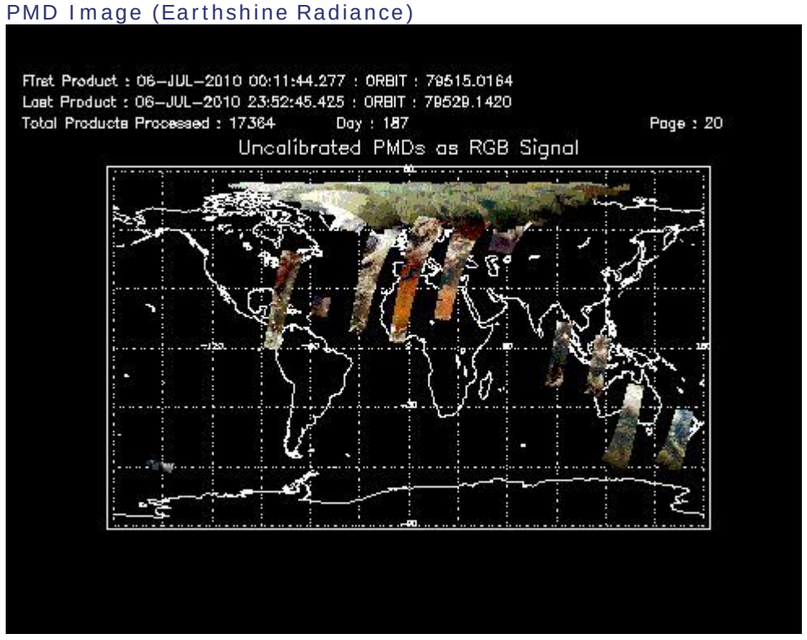
### NEAR IR Intensity




### Ozone Line Ratio




PMD Image (Earthshine Radiance)




## 3 - Instrument Calibration

### 3.1 - Solar Calibration (Daily/TST44)

| Daily(D)/TST44(T) | Start Time | End Time (T) | Orbit | Ground Station Visibility | Warm Detector Temperature (TST/44) | Max PMD Readout during solar calibration (BU set 2/12) |
|---|---|---|---|---|---|---|
| -- | -- | -- | -- | -- | -- | -- |

### 3.2 - Lamp Calibration (Quarterly/TST44)

| Quarterly(Q)/TST44(T) | Start Time | End Time | Orbit | Ground Station Visibility | Warm Detector Temperature (TST/44) | Lamp Instability Voltage (if any)(V) | Lamp Failure N. (if any) |
|---|---|---|---|---|---|---|---|
| -- | -- | -- | -- | -- | -- | -- | -- |

(1)

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# 4 - Instrument Anomalies

## 4.1 - Single Event Upset (SEU)

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

## 4.2 - Instrument Off

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

## 4.3 - Cooler Switchings

| Start Time | End Time | Start Orbit | End Orbit | Ground Station Visibility | Max Temp. Ch 1 | Max Temp. Ch 2 | Max Temp. Ch 3 | Max Temp. Ch 4 |
|---|---|---|---|---|---|---|---|---|
| -- | -- | -- | -- | -- | -- | -- | -- | -- |

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# 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 |
|---|---|---|---|
| -- | -- | -- | -- |

## 5.6 - **Seasonal Operations**

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

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(1) The Solar/lamp calibration is carried out routinely or after an instrument switch-off or a power cycle (performed to reset the instrument when abnormal values are observed); in the latter cases the coolers are off and the temperature refers to the warm detectors