

GOME Daily Report

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1 - General Info

1.1 - Report Summary

| Item | Value |
|-------------------------------------|--------------|
| Report Version | GOMEver3_3 |
| Report of Day | 03-MAR-2010 |
| Start Time of First Product | 00:41:30 |
| Stop Time of Last Product | 23:45:22 |
| Number of EGOI Products analysed | 40 |
| Number of corrupted products | 1 |
| Anomalies and/or Special Operations | Nominal Data |

1.2 - List of received products

| Name | Date | Time |
|------------------------|-------------|--------------|
| EGOI_100303BEEP2046.E2 | 03-MAR-2010 | 02:52:26.145 |
| EGOI_100303BEEP2052.E2 | 03-MAR-2010 | 04:33:17.764 |
| EGOI_100303CMEP6899.E2 | 03-MAR-2010 | 16:22:49.115 |
| EGOI_100303GSEP0942.E2 | 03-MAR-2010 | 02:25:54.485 |
| EGOI_100303GSEP0967.E2 | 03-MAR-2010 | 04:06:32.600 |
| EGOI_100303GSEP0974.E2 | 03-MAR-2010 | 05:49:00.228 |
| EGOI_100303HLEP5187.E2 | 03-MAR-2010 | 23:23:18.695 |
| EGOI_100303KSEP9096.E2 | 03-MAR-2010 | 07:46:56.452 |
| EGOI_100303KSEP9120.E2 | 03-MAR-2010 | 09:26:57.063 |

| | | |
|------------------------|-------------|--------------|
| EGOI_100303KSEP9155.E2 | 03-MAR-2010 | 11:06:33.674 |
| EGOI_100303KSEP9186.E2 | 03-MAR-2010 | 12:45:50.782 |
| EGOI_100303KSEP9216.E2 | 03-MAR-2010 | 14:24:42.390 |
| EGOI_100303KSEP9237.E2 | 03-MAR-2010 | 16:02:27.990 |
| EGOI_100303KSEP9267.E2 | 03-MAR-2010 | 17:40:25.593 |
| EGOI_100303KSEP9303.E2 | 03-MAR-2010 | 19:18:17.193 |
| EGOI_100303KSEP9338.E2 | 03-MAR-2010 | 20:58:17.813 |
| EGOI_100303KSEP9368.E2 | 03-MAR-2010 | 22:40:40.936 |
| EGOI_100303MAEP9494.E2 | 03-MAR-2010 | 09:34:42.114 |
| EGOI_100303MAEP9509.E2 | 03-MAR-2010 | 11:14:20.225 |
| EGOI_100303MIEP4970.E2 | 03-MAR-2010 | 02:23:04.969 |
| EGOI_100303MIEP4989.E2 | 03-MAR-2010 | 04:01:41.568 |
| EGOI_100303MIEP5006.E2 | 03-MAR-2010 | 14:43:18.504 |
| EGOI_100303MIEP5033.E2 | 03-MAR-2010 | 16:20:58.104 |
| EGOI_100303MMEP4899.E2 | 03-MAR-2010 | 06:53:17.119 |
| EGOI_100303MMEP4907.E2 | 03-MAR-2010 | 08:34:13.238 |
| EGOI_100303MMEP4915.E2 | 03-MAR-2010 | 10:14:42.357 |
| EGOI_100303MMEP4923.E2 | 03-MAR-2010 | 11:55:11.477 |
| EGOI_100303MMEP4931.E2 | 03-MAR-2010 | 13:34:34.580 |
| EGOI_100303MMEP4939.E2 | 03-MAR-2010 | 15:14:09.692 |
| EGOI_100303MMEP4946.E2 | 03-MAR-2010 | 16:53:44.803 |
| EGOI_100303MMEP4954.E2 | 03-MAR-2010 | 20:12:23.523 |
| EGOI_100303MMEP4962.E2 | 03-MAR-2010 | 21:52:45.146 |
| EGOI_100303MMEP4970.E2 | 03-MAR-2010 | 23:32:54.757 |
| EGOI_100303MSEP6955.E2 | 03-MAR-2010 | 00:41:29.846 |
| EGOI_100303MSEP6970.E2 | 03-MAR-2010 | 11:19:41.257 |
| EGOI_100303MSEP6995.E2 | 03-MAR-2010 | 12:59:55.369 |
| EGOI_100303MSEP7028.E2 | 03-MAR-2010 | 22:28:45.366 |
| EGOI_100303SGEP4070.E2 | 03-MAR-2010 | 03:03:42.716 |
| EGOI_100303SGEP4076.E2 | 03-MAR-2010 | 04:44:10.331 |
| EGOI_100303SGEP4084.E2 | 03-MAR-2010 | 14:01:51.249 |

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1.3 - List of data gaps

| Station | Orbit | Date | Start Time | Stop Time | Duration (s) |
|---------|-------|-------------|--------------|--------------|--------------|
| KS | 77730 | 03-MAR-2010 | 07:45:19.976 | 07:46:56.451 | 96.475000 |
| KS | 77731 | 03-MAR-2010 | 09:24:55.280 | 09:26:57.062 | 121.78200 |
| KS | 77732 | 03-MAR-2010 | 11:04:30.407 | 11:06:33.673 | 123.26600 |
| KS | 77733 | 03-MAR-2010 | 12:43:47.537 | 12:45:50.781 | 123.24400 |
| KS | 77734 | 03-MAR-2010 | 14:22:36.518 | 14:24:42.389 | 125.87100 |
| KS | 77735 | 03-MAR-2010 | 16:00:23.187 | 16:02:27.989 | 124.80200 |
| KS | 77736 | 03-MAR-2010 | 17:38:18.196 | 17:40:25.592 | 127.39600 |
| KS | 77737 | 03-MAR-2010 | 19:16:39.543 | 19:18:17.192 | 97.649000 |

| | | | | | |
|----|-------|-------------|--------------|--------------|-----------|
| KS | 77738 | 03-MAR-2010 | 20:56:45.545 | 20:58:17.812 | 92.267000 |
| KS | 77739 | 03-MAR-2010 | 22:39:04.972 | 22:40:40.935 | 95.963000 |
| GS | 77728 | 03-MAR-2010 | 04:04:57.218 | 04:06:32.599 | 95.381000 |
| MS | 77726 | 03-MAR-2010 | 00:40:14.140 | 00:41:29.846 | 75.706000 |
| MS | 77732 | 03-MAR-2010 | 11:17:31.029 | 11:19:41.257 | 130.22800 |
| MS | 77733 | 03-MAR-2010 | 12:57:51.168 | 12:59:55.368 | 124.20000 |
| MS | 77739 | 03-MAR-2010 | 22:27:13.254 | 22:28:45.365 | 92.111000 |
| MA | 77731 | 03-MAR-2010 | 09:33:01.274 | 09:34:42.114 | 100.84000 |
| MI | 77727 | 03-MAR-2010 | 02:21:12.585 | 02:23:04.968 | 112.38300 |
| MI | 77728 | 03-MAR-2010 | 03:59:05.033 | 04:01:41.567 | 156.53400 |
| MI | 77734 | 03-MAR-2010 | 14:41:30.802 | 14:43:18.504 | 107.70200 |
| MI | 77735 | 03-MAR-2010 | 16:19:01.548 | 16:20:58.104 | 116.55600 |
| MM | 77731 | 03-MAR-2010 | 10:13:41.431 | 10:14:42.357 | 60.926000 |
| MM | 77732 | 03-MAR-2010 | 11:53:43.828 | 11:55:11.476 | 87.648000 |
| MM | 77733 | 03-MAR-2010 | 13:33:32.457 | 13:34:34.579 | 62.122000 |
| MM | 77734 | 03-MAR-2010 | 15:13:05.487 | 15:14:09.691 | 64.204000 |
| MM | 77735 | 03-MAR-2010 | 16:52:22.544 | 16:53:44.802 | 82.258000 |
| MM | 77737 | 03-MAR-2010 | 20:10:47.282 | 20:12:23.523 | 96.241000 |
| MM | 77738 | 03-MAR-2010 | 21:50:36.021 | 21:52:45.146 | 129.12500 |
| MM | 77739 | 03-MAR-2010 | 23:31:17.288 | 23:32:54.756 | 97.468000 |
| BE | 77727 | 03-MAR-2010 | 02:50:22.147 | 02:52:26.145 | 123.99800 |
| BE | 77728 | 03-MAR-2010 | 04:30:39.496 | 04:33:17.764 | 158.26800 |
| SG | 77727 | 03-MAR-2010 | 03:01:37.769 | 03:03:42.715 | 124.94600 |
| SG | 77728 | 03-MAR-2010 | 04:42:31.562 | 04:44:10.330 | 98.768000 |
| SG | 77733 | 03-MAR-2010 | 14:00:35.361 | 14:01:51.249 | 75.888000 |
| CM | 77735 | 03-MAR-2010 | 16:21:46.010 | 16:22:49.114 | 63.104000 |

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1.4 - List of missing products

| Station | Orbit | Date | Start Time | Stop Time | Duration (s) |
|---------|-------|-------------|--------------|--------------|--------------|
| HO | 77725 | 02-MAR-2010 | 23:52:19.125 | 00:06:48.354 | 869.22900 |
| MM | 77725 | 03-MAR-2010 | 00:03:09.003 | 00:14:35.454 | 686.45100 |
| HO | 77726 | 03-MAR-2010 | 01:33:31.004 | 01:45:08.440 | 697.43600 |
| MM | 77726 | 03-MAR-2010 | 01:45:14.554 | 01:54:49.706 | 575.15200 |
| GS | 77726 | 03-MAR-2010 | 00:48:42.893 | 00:57:26.790 | 523.89700 |
| MM | 77727 | 03-MAR-2010 | 03:28:11.579 | 03:35:25.400 | 433.82100 |

| | | | | | |
|----|-------|-------------|--------------|--------------|-----------|
| CM | 77727 | 03-MAR-2010 | 03:57:48.329 | 04:10:11.652 | 743.32300 |
| MM | 77728 | 03-MAR-2010 | 05:11:05.070 | 05:16:52.013 | 346.94300 |
| KS | 77729 | 03-MAR-2010 | 06:06:28.813 | 06:12:13.968 | 345.15500 |
| CM | 77729 | 03-MAR-2010 | 05:42:08.653 | 05:44:49.523 | 160.87000 |
| JO | 77729 | 03-MAR-2010 | 06:34:33.507 | 06:43:24.013 | 530.50600 |
| MA | 77730 | 03-MAR-2010 | 07:55:59.129 | 08:01:45.734 | 346.60500 |
| JO | 77730 | 03-MAR-2010 | 08:10:00.070 | 08:25:00.925 | 900.85500 |
| JO | 77731 | 03-MAR-2010 | 09:52:27.584 | 10:01:56.748 | 569.16400 |
| HO | 77732 | 03-MAR-2010 | 12:03:02.250 | 12:16:30.724 | 808.47400 |
| HO | 77733 | 03-MAR-2010 | 13:42:05.675 | 13:56:32.609 | 866.93400 |
| SG | 77733 | 03-MAR-2010 | 14:00:35.361 | 14:07:31.787 | 416.42600 |
| BE | 77734 | 03-MAR-2010 | 14:06:58.851 | 14:20:23.829 | 804.97800 |
| HO | 77734 | 03-MAR-2010 | 15:23:29.993 | 15:30:49.088 | 439.09500 |
| GS | 77734 | 03-MAR-2010 | 14:34:26.850 | 14:45:24.784 | 657.93400 |
| BE | 77735 | 03-MAR-2010 | 15:49:31.145 | 15:57:56.862 | 505.71700 |
| GS | 77735 | 03-MAR-2010 | 16:13:07.081 | 16:26:58.434 | 831.35300 |
| MM | 77736 | 03-MAR-2010 | 18:31:30.639 | 18:44:05.744 | 755.10500 |
| GS | 77736 | 03-MAR-2010 | 17:53:35.724 | 18:03:24.138 | 588.41400 |
| CM | 77736 | 03-MAR-2010 | 18:04:52.835 | 18:08:28.100 | 215.26500 |
| MA | 77737 | 03-MAR-2010 | 19:13:16.669 | 19:21:17.610 | 480.94100 |
| JO | 77737 | 03-MAR-2010 | 20:30:06.069 | 20:45:01.156 | 895.08700 |
| HO | 77738 | 03-MAR-2010 | 21:46:15.819 | 21:54:40.215 | 504.39600 |
| MA | 77738 | 03-MAR-2010 | 20:48:34.175 | 21:02:17.067 | 822.89200 |
| JO | 77738 | 03-MAR-2010 | 22:10:39.807 | 22:22:04.566 | 684.75900 |
| HO | 77739 | 03-MAR-2010 | 23:21:18.968 | 23:35:29.598 | 850.63000 |
| MA | 77739 | 03-MAR-2010 | 22:32:49.836 | 22:39:50.150 | 420.31400 |

[[BACK TO MENU](#)]

1.5 - List of corrupted products

| Station | Orbit | Time |
|---------|-------|--------------|
| SG | 77734 | 14:01:57.249 |

2 - Instrument Indicators and Daily Plots

2.1 - Instrument Indicators Status

| Indicator | Value |
|------------------------|-------|
| MPH Product Confidence | OK |
| SPH Product Confidence | OK |

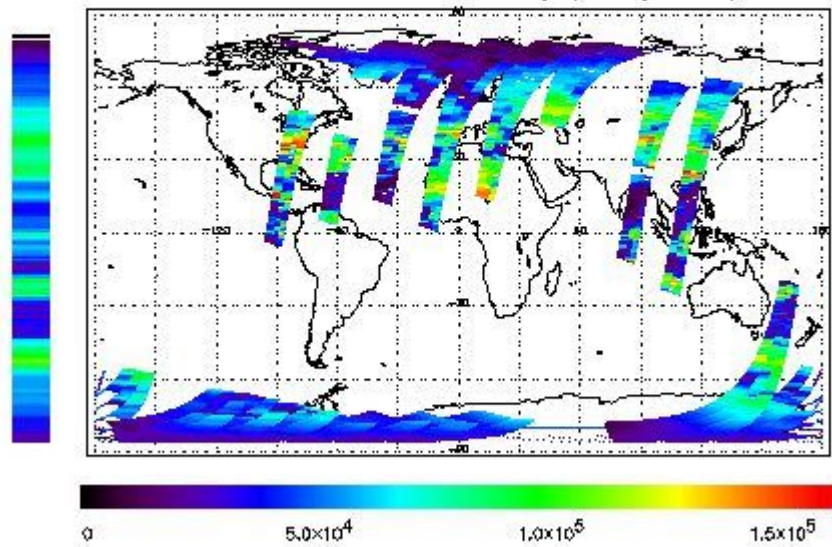
| | |
|--------------------------------------|----|
| Command Word Echo Summary | OK |
| Instrument Status 1A | OK |
| Instrument Status 1B | OK |
| Instrument Status 2 | OK |
| Integration Times Channel 1 | OK |
| Co-Adding and Cluster Mode Flags | OK |
| Integration Times Band 2A | OK |
| Integration 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](#)

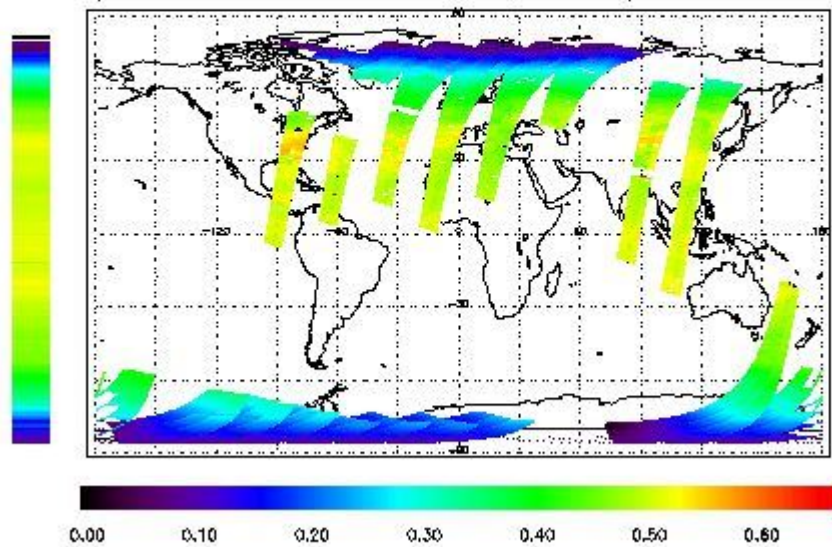
NEAR IR Intensity

778 nm Uncalibrated Intensity (Binary Units)



Ozone Line Ratio

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 |
|------------|----------|-------------|-----------|
| -- | -- | -- | -- |

5.6 - Seasonal Operations

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

(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