

GOME Daily Report

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1 - General Info

1.1 - Report Summary

| Item | Value |
|-------------------------------------|-------------------|
| Report Version | GOMEver3_3 |
| Report of Day | 22-DEC-2009 |
| Start Time of First Product | 23:46:40 (21-Dec) |
| Stop Time of Last Product | 23:24:08 |
| Number of EGOI Products analysed | 42 |
| Number of corrupted products | -- |
| Anomalies and/or Special Operations | Nominal Data |

1.2 - List of received products

| Name | Date | Time |
|------------------------|-------------|--------------|
| OI_091222BEEP1450.E2;1 | 22-DEC-2009 | 03:24:08.167 |
| EGOI_091222CMEP5820.E2 | 22-DEC-2009 | 02:53:16.975 |
| EGOI_091222CMEP5828.E2 | 22-DEC-2009 | 04:32:52.090 |
| EGOI_091222GSEP5780.E2 | 22-DEC-2009 | 01:20:22.404 |
| EGOI_091222GSEP5812.E2 | 22-DEC-2009 | 02:57:20.003 |
| EGOI_091222GSEP5840.E2 | 22-DEC-2009 | 04:39:31.129 |
| EGOI_091222GSEP5847.E2 | 22-DEC-2009 | 06:21:39.265 |
| EGOI_091222KSEP9425.E2 | 21-DEC-2009 | 23:46:39.826 |
| EGOI_091222KSEP9442.E2 | 22-DEC-2009 | 06:39:03.369 |

| | | |
|------------------------|-------------|--------------|
| EGOI_091222KSEP9463.E2 | 22-DEC-2009 | 08:18:57.994 |
| EGOI_091222KSEP9487.E2 | 22-DEC-2009 | 09:58:37.604 |
| EGOI_091222KSEP9512.E2 | 22-DEC-2009 | 11:38:14.220 |
| EGOI_091222KSEP9533.E2 | 22-DEC-2009 | 13:17:16.337 |
| EGOI_091222KSEP9544.E2 | 22-DEC-2009 | 14:55:58.941 |
| EGOI_091222KSEP9560.E2 | 22-DEC-2009 | 16:33:37.045 |
| EGOI_091222KSEP9591.E2 | 22-DEC-2009 | 18:11:34.649 |
| EGOI_091222KSEP9626.E2 | 22-DEC-2009 | 19:49:57.758 |
| EGOI_091222KSEP9651.E2 | 22-DEC-2009 | 21:30:34.381 |
| EGOI_091222KSEP9679.E2 | 22-DEC-2009 | 23:13:30.516 |
| EGOI_091222MAEP7116.E2 | 22-DEC-2009 | 08:27:20.545 |
| EGOI_091222MAEP7128.E2 | 22-DEC-2009 | 10:06:04.651 |
| EGOI_091222MAEP7145.E2 | 22-DEC-2009 | 21:22:49.334 |
| EGOI_091222MIEP8145.E2 | 22-DEC-2009 | 02:53:28.979 |
| EGOI_091222MIEP8171.E2 | 22-DEC-2009 | 04:33:32.598 |
| EGOI_091222MIEP8200.E2 | 22-DEC-2009 | 15:13:39.550 |
| EGOI_091222MIEP8229.E2 | 22-DEC-2009 | 16:52:55.162 |
| EGOI_091222MMEP2125.E2 | 22-DEC-2009 | 02:18:42.260 |
| EGOI_091222MMEP2132.E2 | 22-DEC-2009 | 09:06:14.780 |
| EGOI_091222MMEP2139.E2 | 22-DEC-2009 | 10:46:37.898 |
| EGOI_091222MMEP2147.E2 | 22-DEC-2009 | 12:26:34.016 |
| EGOI_091222MMEP2157.E2 | 22-DEC-2009 | 14:06:18.139 |
| EGOI_091222MMEP2165.E2 | 22-DEC-2009 | 15:45:48.747 |
| EGOI_091222MMEP2172.E2 | 22-DEC-2009 | 17:25:59.868 |
| EGOI_091222MMEP2178.E2 | 22-DEC-2009 | 19:04:57.478 |
| EGOI_091222MMEP2186.E2 | 22-DEC-2009 | 20:43:53.591 |
| EGOI_091222MSEP8654.E2 | 22-DEC-2009 | 10:13:46.694 |
| EGOI_091222MSEP8683.E2 | 22-DEC-2009 | 11:51:09.799 |
| EGOI_091222MSEP8704.E2 | 22-DEC-2009 | 13:33:04.431 |
| EGOI_091222MSEP8720.E2 | 22-DEC-2009 | 21:24:47.846 |
| EGOI_091222MSEP8752.E2 | 22-DEC-2009 | 23:00:09.434 |
| EGOI_091222SGEP2358.E2 | 22-DEC-2009 | 02:00:37.650 |
| EGOI_091222SGEP2366.E2 | 22-DEC-2009 | 03:34:42.730 |

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1.3 - List of data gaps

| Station | Orbit | Date | Start Time | Stop Time | Duration (s) |
|---------|-------|-------------|--------------|--------------|--------------|
| KS | 76713 | 22-DEC-2009 | 06:37:19.703 | 06:39:03.368 | 103.66500 |
| KS | 76714 | 22-DEC-2009 | 08:16:36.625 | 08:18:57.993 | 141.36800 |
| KS | 76715 | 22-DEC-2009 | 09:56:14.071 | 09:58:37.604 | 143.53300 |
| KS | 76716 | 22-DEC-2009 | 11:35:45.444 | 11:38:14.220 | 148.77600 |
| KS | 76717 | 22-DEC-2009 | 13:14:53.004 | 13:17:16.336 | 143.33200 |
| KS | 76718 | 22-DEC-2009 | 14:53:31.291 | 14:55:58.940 | 147.64900 |

| | | | | | |
|----|-------|-------------|--------------|--------------|-----------|
| KS | 76719 | 22-DEC-2009 | 16:31:09.097 | 16:33:37.044 | 147.94700 |
| KS | 76720 | 22-DEC-2009 | 18:08:58.101 | 18:11:34.649 | 156.54800 |
| KS | 76721 | 22-DEC-2009 | 19:47:55.183 | 19:49:57.757 | 122.57400 |
| KS | 76722 | 22-DEC-2009 | 21:28:38.602 | 21:30:34.380 | 115.77800 |
| KS | 76723 | 22-DEC-2009 | 23:11:51.264 | 23:13:30.516 | 99.252000 |
| GS | 76710 | 22-DEC-2009 | 01:18:14.767 | 01:20:22.404 | 127.63700 |
| GS | 76711 | 22-DEC-2009 | 02:55:33.868 | 02:57:20.002 | 106.13400 |
| GS | 76712 | 22-DEC-2009 | 04:37:46.987 | 04:39:31.128 | 104.14100 |
| MS | 76715 | 22-DEC-2009 | 10:11:18.487 | 10:13:46.694 | 148.20700 |
| MS | 76716 | 22-DEC-2009 | 11:48:38.213 | 11:51:09.798 | 151.58500 |
| MS | 76723 | 22-DEC-2009 | 22:57:55.166 | 23:00:09.433 | 134.26700 |
| MA | 76714 | 22-DEC-2009 | 08:25:36.265 | 08:27:20.545 | 104.28000 |
| MA | 76715 | 22-DEC-2009 | 10:04:17.073 | 10:06:04.651 | 107.57800 |
| MA | 76722 | 22-DEC-2009 | 21:20:18.113 | 21:22:49.334 | 151.22100 |
| MI | 76711 | 22-DEC-2009 | 02:51:12.202 | 02:53:28.978 | 136.77600 |
| MI | 76712 | 22-DEC-2009 | 04:31:19.732 | 04:33:32.598 | 132.86600 |
| MI | 76718 | 22-DEC-2009 | 15:11:26.343 | 15:13:39.549 | 133.20600 |
| MI | 76719 | 22-DEC-2009 | 16:50:41.975 | 16:52:55.161 | 133.18600 |
| MM | 76710 | 22-DEC-2009 | 02:17:31.902 | 02:18:42.260 | 70.358000 |
| MM | 76714 | 22-DEC-2009 | 09:04:57.565 | 09:06:14.780 | 77.215000 |
| MM | 76715 | 22-DEC-2009 | 10:45:09.318 | 10:46:37.897 | 88.579000 |
| MM | 76716 | 22-DEC-2009 | 12:25:07.529 | 12:26:34.016 | 86.487000 |
| MM | 76717 | 22-DEC-2009 | 14:04:51.464 | 14:06:18.139 | 86.675000 |
| MM | 76718 | 22-DEC-2009 | 15:44:19.301 | 15:45:48.747 | 89.446000 |
| MM | 76719 | 22-DEC-2009 | 17:23:32.295 | 17:25:59.868 | 147.57300 |
| MM | 76720 | 22-DEC-2009 | 19:02:40.714 | 19:04:57.477 | 136.76300 |
| MM | 76721 | 22-DEC-2009 | 20:42:04.903 | 20:43:53.590 | 108.68700 |
| BE | 76711 | 22-DEC-2009 | 03:21:37.645 | 03:24:08.166 | 150.52100 |
| SG | 76711 | 22-DEC-2009 | 03:32:34.728 | 03:34:42.729 | 128.00100 |
| SG | 76711 | 22-DEC-2009 | 03:44:39.792 | 03:46:26.833 | 107.04100 |
| CM | 76711 | 22-DEC-2009 | 02:52:14.012 | 02:53:16.974 | 62.962000 |

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1.4 - List of missing products

| Station | Orbit | Date | Start Time | Stop Time | Duration (s) |
|---------|-------|-------------|--------------|--------------|--------------|
| HO | 76709 | 22-DEC-2009 | 00:23:24.213 | 00:38:02.354 | 878.14100 |

| | | | | | |
|----|-------|-------------|--------------|--------------|-----------|
| MM | 76709 | 22-DEC-2009 | 00:35:07.264 | 00:46:04.017 | 656.75300 |
| BE | 76710 | 22-DEC-2009 | 01:43:12.879 | 01:53:46.466 | 633.58700 |
| HO | 76710 | 22-DEC-2009 | 02:07:51.851 | 02:13:39.960 | 348.10900 |
| MM | 76711 | 22-DEC-2009 | 04:00:36.264 | 04:07:10.548 | 394.28400 |
| MM | 76712 | 22-DEC-2009 | 05:43:11.039 | 05:49:02.375 | 351.33600 |
| MM | 76713 | 22-DEC-2009 | 07:24:26.599 | 07:32:02.075 | 455.47600 |
| JO | 76713 | 22-DEC-2009 | 07:03:36.815 | 07:15:57.884 | 741.06900 |
| JO | 76714 | 22-DEC-2009 | 08:41:22.658 | 08:56:05.177 | 882.51900 |
| MA | 76716 | 22-DEC-2009 | 11:45:54.589 | 11:52:02.064 | 367.47500 |
| HO | 76717 | 22-DEC-2009 | 14:13:43.466 | 14:26:38.785 | 775.31900 |
| SG | 76717 | 22-DEC-2009 | 14:29:21.922 | 14:40:54.414 | 692.49200 |
| BE | 76718 | 22-DEC-2009 | 14:38:27.168 | 14:51:30.358 | 783.19000 |
| GS | 76718 | 22-DEC-2009 | 15:05:11.098 | 15:18:13.917 | 782.81900 |
| SG | 76718 | 22-DEC-2009 | 16:07:51.481 | 16:20:36.325 | 764.84400 |
| CM | 76718 | 22-DEC-2009 | 15:15:43.620 | 15:23:48.357 | 484.73700 |
| GS | 76719 | 22-DEC-2009 | 16:44:30.651 | 16:57:46.849 | 796.19800 |
| CM | 76719 | 22-DEC-2009 | 16:53:07.823 | 17:05:05.451 | 717.62800 |
| JO | 76720 | 22-DEC-2009 | 19:23:40.545 | 19:34:38.892 | 658.34700 |
| MA | 76721 | 22-DEC-2009 | 19:41:33.373 | 19:53:48.578 | 735.20500 |
| JO | 76721 | 22-DEC-2009 | 21:01:17.581 | 21:16:12.159 | 894.57800 |
| HO | 76722 | 22-DEC-2009 | 22:15:19.633 | 22:26:43.827 | 684.19400 |
| MM | 76722 | 22-DEC-2009 | 22:22:08.274 | 22:34:35.123 | 746.84900 |
| JO | 76722 | 22-DEC-2009 | 22:43:41.015 | 22:50:33.590 | 412.57500 |
| HO | 76723 | 22-DEC-2009 | 23:52:19.124 | 00:06:48.353 | 869.22900 |

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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 Temperatures 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 |

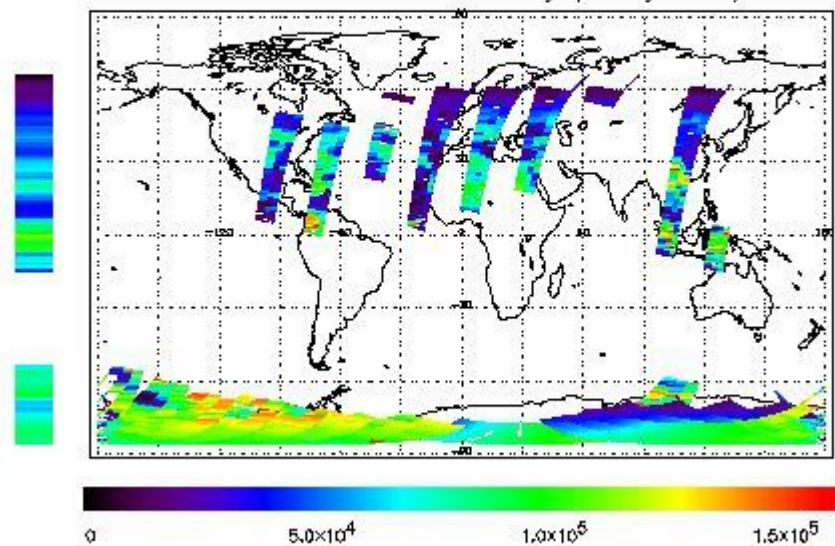
2.2 - Daily Plots

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 : 21-DEC-2008 23:46:39.826 : ORBIT : 76709.1672
 Last Product : 22-DEC-2008 23:24:08.078 : ORBIT : 76723.2575
 Total Products Processed : 20035 Day : 358 Page : 21

778 nm Uncalibrated Intensity (Binary Units)



(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