

GOME Daily Report

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1 - General Info

1.1 - Report Summary

| Item | Value |
|-------------------------------------|----------------------------------------------------------------------------------------------|
| Report Version | GOMEver3_3 |
| Report of Day | 15-MAY-2011 |
| Start Time of First Product | 00:23:45 |
| Stop Time of Last Product | 23:13:39 |
| Number of EGOI Products analysed | 28 |
| Number of corrupted products | -- |
| Anomalies and/or Special Operations | Narrow Swath continued from previous day, stop orbit: 84005 |

1.2 - List of received products

| Name | Date | Time |
|------------------------|-------------|--------------|
| EGOI_110515CMEP6548.E2 | 15-MAY-2011 | 03:41:57.740 |
| EGOI_110515CMEP6556.E2 | 15-MAY-2011 | 16:05:51.794 |
| EGOI_110515GSEP2183.E2 | 15-MAY-2011 | 02:09:19.673 |
| EGOI_110515GSEP2210.E2 | 15-MAY-2011 | 03:48:39.779 |
| EGOI_110515GSEP2219.E2 | 15-MAY-2011 | 05:31:16.410 |
| EGOI_110515HLEP0385.E2 | 15-MAY-2011 | 01:17:50.856 |
| EGOI_110515HLEP0397.E2 | 15-MAY-2011 | 23:05:10.859 |
| EGOI_110515KSEP1024.E2 | 15-MAY-2011 | 07:29:30.637 |
| EGOI_110515KSEP1054.E2 | 15-MAY-2011 | 09:09:20.743 |

| | | |
|------------------------|-------------|--------------|
| EGOI_110515KSEP1076.E2 | 15-MAY-2011 | 10:48:55.857 |
| EGOI_110515KSEP1103.E2 | 15-MAY-2011 | 12:28:05.460 |
| EGOI_110515KSEP1118.E2 | 15-MAY-2011 | 14:06:58.566 |
| EGOI_110515KSEP1139.E2 | 15-MAY-2011 | 15:45:02.165 |
| EGOI_110515KSEP1151.E2 | 15-MAY-2011 | 17:22:41.767 |
| EGOI_110515KSEP1181.E2 | 15-MAY-2011 | 19:00:12.361 |
| EGOI_110515KSEP1201.E2 | 15-MAY-2011 | 20:39:32.471 |
| EGOI_110515KSEP1221.E2 | 15-MAY-2011 | 22:21:16.590 |
| EGOI_110515MAEP7310.E2 | 15-MAY-2011 | 10:56:04.900 |
| EGOI_110515MAEP7326.E2 | 15-MAY-2011 | 22:13:22.543 |
| EGOI_110515MIEP2085.E2 | 15-MAY-2011 | 02:07:06.161 |
| EGOI_110515MIEP2106.E2 | 15-MAY-2011 | 03:43:45.751 |
| EGOI_110515MIEP2127.E2 | 15-MAY-2011 | 14:26:46.687 |
| EGOI_110515MIEP2153.E2 | 15-MAY-2011 | 16:03:26.282 |
| EGOI_110515MIEP2176.E2 | 15-MAY-2011 | 17:44:29.896 |
| EGOI_110515MSEP7668.E2 | 15-MAY-2011 | 00:23:44.530 |
| EGOI_110515MSEP7693.E2 | 15-MAY-2011 | 11:02:10.935 |
| EGOI_110515MSEP7720.E2 | 15-MAY-2011 | 12:41:31.040 |
| EGOI_110515MSEP7743.E2 | 15-MAY-2011 | 22:11:01.529 |

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1.3 - List of data gaps

| Station | Orbit | Date | Start Time | Stop Time | Duration (s) |
|---------|-------|------|------------|-----------|--------------|
|---------|-------|------|------------|-----------|--------------|

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1.4 - List of missing products

| Station | Orbit | Date | Start Time | Stop Time | Duration (s) |
|---------|-------|-------------|--------------|--------------|--------------|
| HO | 83995 | 15-MAY-2011 | 00:26:14.535 | 00:40:52.437 | 877.90200 |
| MM | 83995 | 15-MAY-2011 | 00:38:01.978 | 00:48:55.775 | 653.79700 |
| BE | 83996 | 15-MAY-2011 | 01:45:58.005 | 01:56:45.765 | 647.76000 |
| MM | 83996 | 15-MAY-2011 | 02:20:28.260 | 02:29:15.854 | 527.59400 |
| BE | 83997 | 15-MAY-2011 | 03:24:28.808 | 03:37:42.077 | 793.26900 |
| MM | 83997 | 15-MAY-2011 | 04:03:32.960 | 04:10:04.038 | 391.07800 |
| SG | 83997 | 15-MAY-2011 | 03:35:25.385 | 03:49:16.041 | 830.65600 |
| MM | 83998 | 15-MAY-2011 | 05:46:05.679 | 05:51:58.279 | 352.60000 |
| MI | 83998 | 15-MAY-2011 | 04:34:18.598 | 04:45:06.570 | 647.97200 |
| MM | 83999 | 15-MAY-2011 | 07:27:19.339 | 07:34:58.864 | 459.52500 |
| JO | 83999 | 15-MAY-2011 | 07:06:18.732 | 07:18:53.030 | 754.29800 |
| MM | 84000 | 15-MAY-2011 | 09:07:49.543 | 09:17:48.738 | 599.19500 |
| MA | 84000 | 15-MAY-2011 | 08:28:21.460 | 08:40:10.699 | 709.23900 |

| | | | | | |
|----|-------|-------------|--------------|--------------|-----------|
| JO | 84000 | 15-MAY-2011 | 08:44:15.559 | 08:58:53.514 | 877.95500 |
| MM | 84001 | 15-MAY-2011 | 10:48:00.882 | 10:59:42.367 | 701.48500 |
| MM | 84002 | 15-MAY-2011 | 12:27:58.709 | 12:40:31.473 | 752.76400 |
| MA | 84002 | 15-MAY-2011 | 11:48:56.298 | 11:54:34.573 | 338.27500 |
| HO | 84003 | 15-MAY-2011 | 14:16:36.884 | 14:29:24.324 | 767.44000 |
| MM | 84003 | 15-MAY-2011 | 14:07:42.205 | 14:20:25.996 | 763.79100 |
| SG | 84003 | 15-MAY-2011 | 14:32:04.162 | 14:43:51.540 | 707.37800 |
| BE | 84004 | 15-MAY-2011 | 14:41:20.453 | 14:54:19.238 | 778.78500 |
| MM | 84004 | 15-MAY-2011 | 15:47:09.573 | 15:59:45.681 | 756.10800 |
| GS | 84004 | 15-MAY-2011 | 15:07:59.747 | 15:21:08.563 | 788.81600 |
| SG | 84004 | 15-MAY-2011 | 16:10:46.516 | 16:23:21.055 | 754.53900 |
| MM | 84005 | 15-MAY-2011 | 17:26:22.238 | 17:38:53.859 | 751.62100 |
| GS | 84005 | 15-MAY-2011 | 16:47:22.318 | 17:00:33.619 | 791.30100 |
| CM | 84005 | 15-MAY-2011 | 16:56:00.558 | 17:07:51.870 | 711.31200 |
| MM | 84006 | 15-MAY-2011 | 19:05:30.787 | 19:18:09.032 | 758.24500 |
| JO | 84006 | 15-MAY-2011 | 19:26:22.094 | 19:37:40.453 | 678.35900 |
| MM | 84007 | 15-MAY-2011 | 20:44:55.782 | 20:57:39.676 | 763.89400 |
| MA | 84007 | 15-MAY-2011 | 19:44:18.179 | 19:56:44.566 | 746.38700 |
| JO | 84007 | 15-MAY-2011 | 21:04:08.739 | 21:19:00.574 | 891.83500 |
| HO | 84008 | 15-MAY-2011 | 22:18:01.542 | 22:29:37.369 | 695.82700 |
| MM | 84008 | 15-MAY-2011 | 22:25:00.578 | 22:37:26.377 | 745.79900 |
| JO | 84008 | 15-MAY-2011 | 22:46:48.379 | 22:53:00.622 | 372.24300 |
| HO | 84009 | 15-MAY-2011 | 23:55:08.671 | 00:09:38.963 | 870.29200 |
| KS | 84009 | 15-MAY-2011 | 23:14:51.151 | 23:23:44.013 | 532.86200 |

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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 |

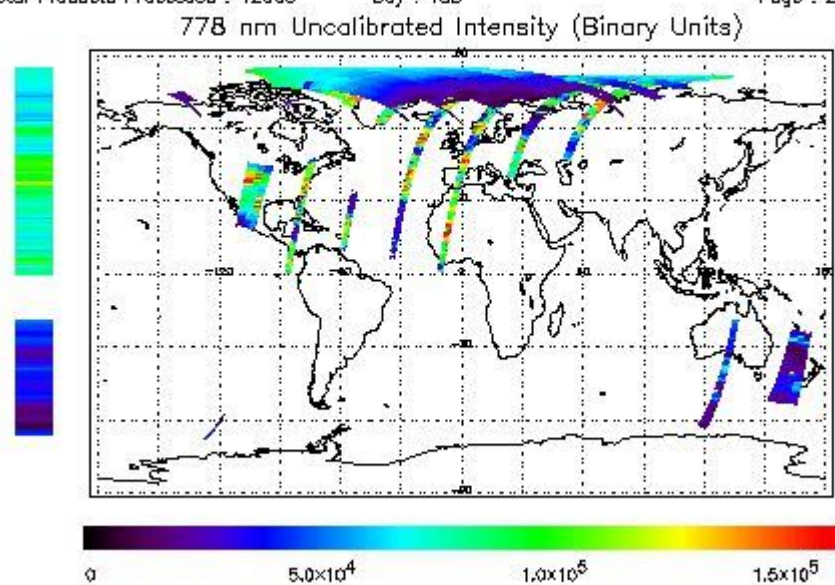
| | |
|--------------------------------------|----|
| Integration Times Channel 1 | OK |
| Co-Adding and Cluster Mode Flags | OK |
| Integration Times Band 2A | OK |
| Integration Times Band 2B | OK |
| Integration Times Band 3 | OK |
| Integration Times Band 4 | OK |
| Scan Mirror position | OK |
| 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 : 15-MAY-2011 00:23:44.530 : ORBIT : 83995.5072
 Last Product : 15-MAY-2011 23:13:39.409 : ORBIT : 84009.1248
 Total Products Processed : 12905 Day : 135 Page : 21



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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 |
|------------|----------|-------------|-----------|
| 18:00 | 16:30 | 83992 | 84005 |

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