

GOME Daily Report

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1 - General Info

1.1 - Report Summary

| Item | Value |
|-------------------------------------|--------------|
| Report Version | GOMEver3_3 |
| Report of Day | 19-JUN-2010 |
| Start Time of First Product | 00:47:13 |
| Stop Time of Last Product | 22:57:16 |
| Number of EGOI Products analysed | 27 |
| Number of corrupted products | -- |
| Anomalies and/or Special Operations | Nominal Data |

1.2 - List of received products

| Name | Date | Time |
|------------------------|-------------|--------------|
| EGOI_100619BEEP3071.E2 | 19-JUN-2010 | 02:57:43.282 |
| EGOI_100619BEEP3077.E2 | 19-JUN-2010 | 04:38:16.896 |
| EGOI_100619GSEP8845.E2 | 19-JUN-2010 | 00:54:47.036 |
| EGOI_100619GSEP8876.E2 | 19-JUN-2010 | 02:31:32.622 |
| EGOI_100619GSEP8906.E2 | 19-JUN-2010 | 04:12:13.735 |
| EGOI_100619GSEP8913.E2 | 19-JUN-2010 | 05:54:20.364 |
| EGOI_100619KSEP4641.E2 | 19-JUN-2010 | 06:12:42.970 |
| EGOI_100619KSEP4668.E2 | 19-JUN-2010 | 07:52:36.087 |
| EGOI_100619KSEP4692.E2 | 19-JUN-2010 | 09:32:12.693 |

| | | |
|------------------------|-------------|--------------|
| EGOI_100619KSEP4723.E2 | 19-JUN-2010 | 11:11:50.796 |
| EGOI_100619KSEP4752.E2 | 19-JUN-2010 | 12:51:09.402 |
| EGOI_100619KSEP4762.E2 | 19-JUN-2010 | 14:29:55.009 |
| EGOI_100619KSEP4774.E2 | 19-JUN-2010 | 16:07:39.103 |
| EGOI_100619KSEP4801.E2 | 19-JUN-2010 | 17:45:35.206 |
| EGOI_100619KSEP4833.E2 | 19-JUN-2010 | 19:23:34.305 |
| EGOI_100619KSEP4857.E2 | 19-JUN-2010 | 21:03:39.411 |
| EGOI_100619KSEP4883.E2 | 19-JUN-2010 | 22:46:13.042 |
| EGOI_100619MAEP3491.E2 | 19-JUN-2010 | 09:39:56.240 |
| EGOI_100619MAEP3510.E2 | 19-JUN-2010 | 20:56:04.865 |
| EGOI_100619MSEP9432.E2 | 19-JUN-2010 | 00:47:13.989 |
| EGOI_100619MSEP9452.E2 | 19-JUN-2010 | 11:24:53.879 |
| EGOI_100619MSEP9476.E2 | 19-JUN-2010 | 13:05:31.994 |
| EGOI_100619MSEP9509.E2 | 19-JUN-2010 | 22:34:00.968 |
| EGOI_100619SGEP6412.E2 | 19-JUN-2010 | 03:09:04.349 |
| EGOI_100619SGEP6420.E2 | 19-JUN-2010 | 04:49:37.962 |
| EGOI_100619SGEP6426.E2 | 19-JUN-2010 | 14:06:35.365 |
| EGOI_100619SGEP6433.E2 | 19-JUN-2010 | 15:43:41.962 |

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1.3 - List of data gaps

| Station | Orbit | Date | Start Time | Stop Time | Duration (s) |
|---------|-------|-------------|--------------|--------------|--------------|
| KS | 79276 | 19-JUN-2010 | 07:51:01.018 | 07:52:36.086 | 95.068000 |
| KS | 79277 | 19-JUN-2010 | 09:30:36.901 | 09:32:12.692 | 95.791000 |
| KS | 79278 | 19-JUN-2010 | 11:10:11.469 | 11:11:50.795 | 99.326000 |
| KS | 79279 | 19-JUN-2010 | 12:49:27.008 | 12:51:09.401 | 102.393000 |
| KS | 79280 | 19-JUN-2010 | 14:28:14.105 | 14:29:55.009 | 100.904000 |
| KS | 79281 | 19-JUN-2010 | 16:05:58.070 | 16:07:39.102 | 101.032000 |
| KS | 79282 | 19-JUN-2010 | 17:43:53.573 | 17:45:35.205 | 101.632000 |
| KS | 79283 | 19-JUN-2010 | 19:22:19.837 | 19:23:34.305 | 74.468000 |
| KS | 79284 | 19-JUN-2010 | 21:02:32.368 | 21:03:39.410 | 67.042000 |
| KS | 79285 | 19-JUN-2010 | 22:45:00.915 | 22:46:13.042 | 72.127000 |
| GS | 79273 | 19-JUN-2010 | 02:30:09.870 | 02:31:32.622 | 82.752000 |
| GS | 79274 | 19-JUN-2010 | 04:10:51.570 | 04:12:13.735 | 82.165000 |
| MS | 79278 | 19-JUN-2010 | 11:23:09.472 | 11:24:53.879 | 104.407000 |
| MS | 79279 | 19-JUN-2010 | 13:03:45.603 | 13:05:31.993 | 106.390000 |
| MS | 79285 | 19-JUN-2010 | 22:32:45.337 | 22:34:00.967 | 75.630000 |
| MA | 79277 | 19-JUN-2010 | 09:38:41.233 | 09:39:56.240 | 75.007000 |
| MA | 79284 | 19-JUN-2010 | 20:54:15.177 | 20:56:04.864 | 109.687000 |
| BE | 79273 | 19-JUN-2010 | 02:56:02.124 | 02:57:43.282 | 101.158000 |

| | | | | | |
|----|-------|-------------|--------------|--------------|-----------|
| BE | 79274 | 19-JUN-2010 | 04:36:28.899 | 04:38:16.896 | 107.99700 |
| SG | 79273 | 19-JUN-2010 | 03:07:12.532 | 03:09:04.348 | 111.81600 |
| SG | 79274 | 19-JUN-2010 | 04:48:36.260 | 04:49:37.962 | 61.702000 |
| SG | 79280 | 19-JUN-2010 | 15:41:52.821 | 15:43:41.962 | 109.14100 |

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1.4 - List of missing products

| Station | Orbit | Date | Start Time | Stop Time | Duration (s) |
|---------|-------|-------------|--------------|--------------|--------------|
| HO | 79271 | 18-JUN-2010 | 23:57:58.438 | 00:12:29.488 | 871.05000 |
| MM | 79271 | 19-JUN-2010 | 00:08:57.290 | 00:20:18.729 | 681.43900 |
| HO | 79272 | 19-JUN-2010 | 01:39:30.673 | 01:50:39.869 | 669.19600 |
| MM | 79272 | 19-JUN-2010 | 01:51:06.424 | 02:00:33.887 | 567.46300 |
| MM | 79273 | 19-JUN-2010 | 03:34:05.234 | 03:41:11.391 | 426.15700 |
| MI | 79273 | 19-JUN-2010 | 02:26:35.742 | 02:37:42.792 | 667.05000 |
| CM | 79273 | 19-JUN-2010 | 04:03:27.296 | 04:15:52.517 | 745.22100 |
| MM | 79274 | 19-JUN-2010 | 05:16:55.919 | 05:22:42.337 | 346.41800 |
| MI | 79274 | 19-JUN-2010 | 04:04:52.996 | 04:17:32.375 | 759.37900 |
| MM | 79275 | 19-JUN-2010 | 06:58:30.313 | 07:05:30.700 | 420.38700 |
| JO | 79275 | 19-JUN-2010 | 06:39:43.886 | 06:49:24.342 | 580.45600 |
| MM | 79276 | 19-JUN-2010 | 08:39:09.102 | 08:48:30.581 | 561.47900 |
| JO | 79276 | 19-JUN-2010 | 08:15:39.812 | 08:30:41.484 | 901.67200 |
| MM | 79277 | 19-JUN-2010 | 10:19:24.780 | 10:30:42.284 | 677.50400 |
| MM | 79278 | 19-JUN-2010 | 11:59:26.421 | 12:11:49.386 | 742.96500 |
| MA | 79278 | 19-JUN-2010 | 11:19:35.233 | 11:28:08.897 | 513.66400 |
| MM | 79279 | 19-JUN-2010 | 13:39:14.213 | 13:51:57.818 | 763.60500 |
| BE | 79280 | 19-JUN-2010 | 14:12:39.858 | 14:26:04.309 | 804.45100 |
| MM | 79280 | 19-JUN-2010 | 15:18:46.300 | 15:31:25.095 | 758.79500 |
| MI | 79280 | 19-JUN-2010 | 14:46:51.744 | 14:56:43.522 | 591.77800 |
| GS | 79280 | 19-JUN-2010 | 14:40:00.386 | 14:50:53.534 | 653.14800 |
| BE | 79281 | 19-JUN-2010 | 15:55:42.729 | 16:03:16.680 | 453.95100 |
| MM | 79281 | 19-JUN-2010 | 16:58:02.560 | 17:10:34.291 | 751.73100 |
| MI | 79281 | 19-JUN-2010 | 16:24:45.078 | 16:37:46.486 | 781.40800 |
| GS | 79281 | 19-JUN-2010 | 16:18:48.907 | 16:32:36.401 | 827.49400 |
| CM | 79281 | 19-JUN-2010 | 16:27:25.739 | 16:39:50.998 | 745.25900 |
| MM | 79282 | 19-JUN-2010 | 18:37:10.574 | 18:49:46.169 | 755.59500 |
| GS | 79282 | 19-JUN-2010 | 17:59:24.525 | 18:08:44.995 | 560.47000 |

| | | | | | |
|----|-------|-------------|--------------|--------------|-----------|
| JO | 79282 | 19-JUN-2010 | 19:00:16.446 | 19:06:30.545 | 374.09900 |
| MM | 79283 | 19-JUN-2010 | 20:16:28.408 | 20:29:12.060 | 763.65200 |
| JO | 79283 | 19-JUN-2010 | 20:35:44.773 | 20:50:43.867 | 899.09400 |
| HO | 79284 | 19-JUN-2010 | 21:51:29.030 | 22:00:32.920 | 543.89000 |
| MM | 79284 | 19-JUN-2010 | 21:56:19.662 | 22:08:54.379 | 754.71700 |
| JO | 79284 | 19-JUN-2010 | 22:16:33.861 | 22:27:23.006 | 649.14500 |
| HO | 79285 | 19-JUN-2010 | 23:26:55.039 | 23:41:11.639 | 856.60000 |
| MM | 79285 | 19-JUN-2010 | 23:37:04.388 | 23:48:51.254 | 706.86600 |
| MA | 79285 | 19-JUN-2010 | 22:39:11.060 | 22:45:05.641 | 354.58100 |

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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 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 |

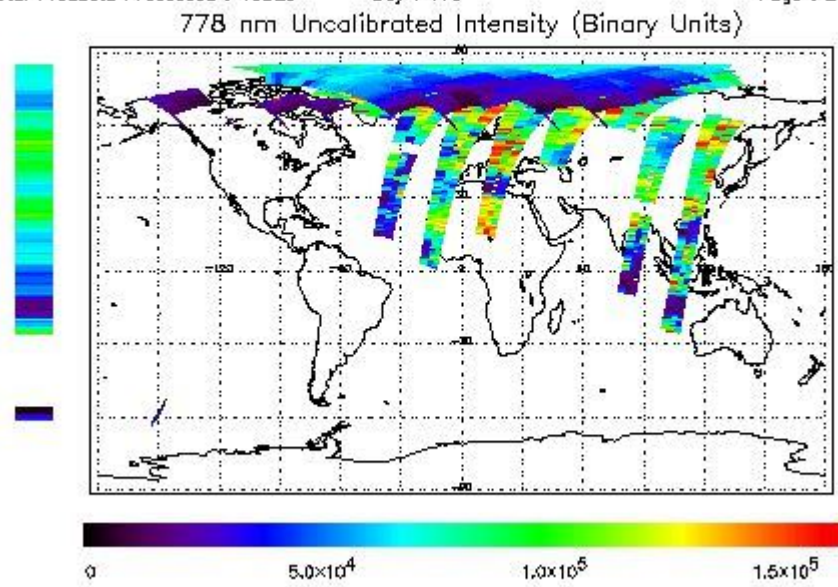
| | |
|------------------------------|----|
| Channel 1 Summation | OK |
| Channel 2 Summation | OK |
| Channel 4 Summation | OK |
| Log Pages | OK |
| 331/338 nm Uncal. Line Ratio | OK |
| Uncal. PMDs as RGB signal | OK |
| 780 nm Uncal. Intensity | OK |

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](#)

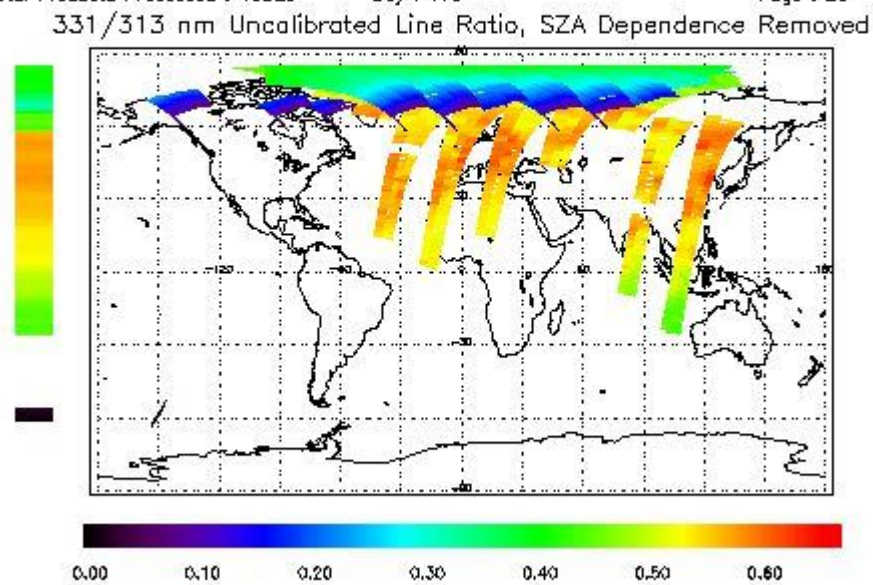
NEAR IR Intensity

First Product : 19-JUN-2010 00:47:13.988 : ORBIT : 79272.0264
 Last Product : 19-JUN-2010 22:57:46.112 : ORBIT : 79285.2526
 Total Products Processed : 13320 Day : 170 Page : 21



Ozone Line Ratio

First Product : 19-JUN-2010 00:47:13.988 : ORBIT : 79272.0264
 Last Product : 19-JUN-2010 22:57:46.112 : ORBIT : 79285.2526
 Total Products Processed : 13320 Day : 170 Page : 20



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