

GOME Daily Report

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1 - General Info

1.1 - Report Summary

| Item | Value |
|-------------------------------------|--|
| Report Version | GOMEver3_3 |
| Report of Day | 25-APR-2010 |
| Start Time of First Product | 23:48:43 (24-Apr) |
| Stop Time of Last Product | 23:26:07 |
| Number of EGOI Products analysed | 28 |
| Number of corrupted products | -- |
| Anomalies and/or Special Operations | Narrow Swath continued from previous day, stop orbit: 78495 |

1.2 - List of received products

| Name | Date | Time |
|------------------------|-------------|--------------|
| EGOI_100425BEEP2547.E2 | 25-APR-2010 | 03:26:07.244 |
| EGOI_100425GSEP4904.E2 | 25-APR-2010 | 01:22:00.490 |
| EGOI_100425GSEP4936.E2 | 25-APR-2010 | 02:59:28.083 |
| EGOI_100425GSEP4963.E2 | 25-APR-2010 | 04:41:46.708 |
| EGOI_100425GSEP4970.E2 | 25-APR-2010 | 06:23:38.330 |
| EGOI_100425KSEP2985.E2 | 24-APR-2010 | 23:48:43.416 |
| EGOI_100425KSEP2998.E2 | 25-APR-2010 | 06:41:02.439 |
| EGOI_100425KSEP3024.E2 | 25-APR-2010 | 08:21:25.534 |
| EGOI_100425KSEP3047.E2 | 25-APR-2010 | 10:00:38.139 |

| | | |
|------------------------|-------------|--------------|
| EGOI_100425KSEP3069.E2 | 25-APR-2010 | 11:40:13.241 |
| EGOI_100425KSEP3087.E2 | 25-APR-2010 | 13:19:13.850 |
| EGOI_100425KSEP3096.E2 | 25-APR-2010 | 14:57:57.956 |
| EGOI_100425KSEP3112.E2 | 25-APR-2010 | 16:35:33.049 |
| EGOI_100425KSEP3140.E2 | 25-APR-2010 | 18:13:33.643 |
| EGOI_100425KSEP3171.E2 | 25-APR-2010 | 19:52:01.245 |
| EGOI_100425KSEP3192.E2 | 25-APR-2010 | 21:32:43.862 |
| EGOI_100425KSEP3210.E2 | 25-APR-2010 | 23:15:40.033 |
| EGOI_100425MAEP1533.E2 | 25-APR-2010 | 08:29:00.095 |
| EGOI_100425MAEP1552.E2 | 25-APR-2010 | 10:08:05.197 |
| EGOI_100425MAEP1569.E2 | 25-APR-2010 | 21:24:51.333 |
| EGOI_100425MIEP0594.E2 | 25-APR-2010 | 02:55:22.060 |
| EGOI_100425MIEP0621.E2 | 25-APR-2010 | 04:35:42.169 |
| EGOI_100425MMEP7235.E2 | 25-APR-2010 | 00:38:21.216 |
| EGOI_100425MMEP7242.E2 | 25-APR-2010 | 02:20:27.841 |
| EGOI_100425MMEP7249.E2 | 25-APR-2010 | 07:27:25.216 |
| EGOI_100425MSEP3208.E2 | 25-APR-2010 | 23:01:59.444 |
| EGOI_100425SGEP5151.E2 | 25-APR-2010 | 02:01:35.232 |
| EGOI_100425SGEP5157.E2 | 25-APR-2010 | 03:37:05.810 |

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1.3 - List of data gaps

| Station | Orbit | Date | Start Time | Stop Time | Duration (s) |
|---------|-------|-------------|--------------|--------------|--------------|
| KS | 78489 | 25-APR-2010 | 08:19:27.322 | 08:21:25.534 | 118.21200 |
| KS | 78490 | 25-APR-2010 | 09:59:04.848 | 10:00:38.139 | 93.291000 |
| KS | 78491 | 25-APR-2010 | 11:38:35.797 | 11:40:13.241 | 97.444000 |
| KS | 78492 | 25-APR-2010 | 13:17:42.387 | 13:19:13.850 | 91.463000 |
| KS | 78493 | 25-APR-2010 | 14:56:18.663 | 14:57:57.956 | 99.293000 |
| KS | 78494 | 25-APR-2010 | 16:33:56.000 | 16:35:33.049 | 97.049000 |
| KS | 78495 | 25-APR-2010 | 18:11:46.610 | 18:13:33.642 | 107.03200 |
| KS | 78496 | 25-APR-2010 | 19:50:46.202 | 19:52:01.245 | 75.043000 |
| KS | 78497 | 25-APR-2010 | 21:31:33.208 | 21:32:43.861 | 70.653000 |
| GS | 78485 | 25-APR-2010 | 01:20:57.677 | 01:22:00.489 | 62.812000 |
| GS | 78486 | 25-APR-2010 | 02:58:24.574 | 02:59:28.083 | 63.509000 |
| MS | 78498 | 25-APR-2010 | 23:00:44.420 | 23:01:59.444 | 75.024000 |
| MS | 78490 | 25-APR-2010 | 10:14:00.795 | 10:15:38.260 | 97.465000 |
| MS | 78491 | 25-APR-2010 | 11:51:27.499 | 11:53:28.357 | 120.85800 |
| MA | 78497 | 25-APR-2010 | 21:23:11.242 | 21:24:51.332 | 100.09000 |
| MI | 78486 | 25-APR-2010 | 02:53:58.185 | 02:55:22.059 | 83.874000 |
| MI | 78487 | 25-APR-2010 | 04:34:18.596 | 04:35:42.169 | 83.573000 |

| | | | | | |
|----|-------|-------------|--------------|--------------|-----------|
| BE | 78486 | 25-APR-2010 | 03:24:28.806 | 03:26:07.243 | 98.437000 |
| SG | 78486 | 25-APR-2010 | 03:35:25.383 | 03:37:05.810 | 100.42700 |

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1.4 - List of missing products

| Station | Orbit | Date | Start Time | Stop Time | Duration (s) |
|---------|-------|-------------|--------------|--------------|--------------|
| HO | 78484 | 25-APR-2010 | 00:26:14.533 | 00:40:52.435 | 877.90200 |
| BE | 78485 | 25-APR-2010 | 01:45:58.003 | 01:56:45.763 | 647.76000 |
| MM | 78486 | 25-APR-2010 | 04:03:32.958 | 04:10:04.036 | 391.07800 |
| CM | 78486 | 25-APR-2010 | 02:54:50.711 | 03:03:19.576 | 508.86500 |
| CM | 78486 | 25-APR-2010 | 04:32:03.570 | 04:44:00.162 | 716.59200 |
| MM | 78487 | 25-APR-2010 | 05:46:05.677 | 05:51:58.277 | 352.60000 |
| JO | 78488 | 25-APR-2010 | 07:06:18.731 | 07:18:53.029 | 754.29800 |
| MM | 78489 | 25-APR-2010 | 09:07:49.542 | 09:17:48.737 | 599.19500 |
| JO | 78489 | 25-APR-2010 | 08:44:15.558 | 08:58:53.513 | 877.95500 |
| MM | 78490 | 25-APR-2010 | 10:48:00.881 | 10:59:42.366 | 701.48500 |
| MM | 78491 | 25-APR-2010 | 12:27:58.707 | 12:40:31.471 | 752.76400 |
| MA | 78491 | 25-APR-2010 | 11:48:56.296 | 11:54:34.571 | 338.27500 |
| HO | 78492 | 25-APR-2010 | 14:16:36.882 | 14:29:24.322 | 767.44000 |
| MM | 78492 | 25-APR-2010 | 14:07:42.203 | 14:20:25.994 | 763.79100 |
| SG | 78492 | 25-APR-2010 | 14:32:04.160 | 14:43:51.538 | 707.37800 |
| BE | 78493 | 25-APR-2010 | 14:41:20.451 | 14:54:19.236 | 778.78500 |
| MM | 78493 | 25-APR-2010 | 15:47:09.571 | 15:59:45.679 | 756.10800 |
| MI | 78493 | 25-APR-2010 | 15:14:12.351 | 15:26:25.703 | 733.35200 |
| GS | 78493 | 25-APR-2010 | 15:07:59.745 | 15:21:08.561 | 788.81600 |
| SG | 78493 | 25-APR-2010 | 16:10:46.514 | 16:23:21.053 | 754.53900 |
| CM | 78493 | 25-APR-2010 | 15:18:21.654 | 15:26:52.078 | 510.42400 |
| MM | 78494 | 25-APR-2010 | 17:26:22.236 | 17:38:53.857 | 751.62100 |
| MI | 78494 | 25-APR-2010 | 16:53:36.221 | 17:05:21.031 | 704.81000 |
| GS | 78494 | 25-APR-2010 | 16:47:22.316 | 17:00:33.617 | 791.30100 |
| CM | 78494 | 25-APR-2010 | 16:56:00.556 | 17:07:51.868 | 711.31200 |
| MM | 78495 | 25-APR-2010 | 19:05:30.786 | 19:18:09.031 | 758.24500 |
| JO | 78495 | 25-APR-2010 | 19:26:22.093 | 19:37:40.452 | 678.35900 |
| MM | 78496 | 25-APR-2010 | 20:44:55.781 | 20:57:39.675 | 763.89400 |
| MA | 78496 | 25-APR-2010 | 19:44:18.178 | 19:56:44.565 | 746.38700 |
| JO | 78496 | 25-APR-2010 | 21:04:08.738 | 21:19:00.573 | 891.83500 |

| | | | | | |
|----|-------|-------------|--------------|--------------|-----------|
| HO | 78497 | 25-APR-2010 | 22:18:01.540 | 22:29:37.367 | 695.82700 |
| MM | 78497 | 25-APR-2010 | 22:25:00.576 | 22:37:26.375 | 745.79900 |
| JO | 78497 | 25-APR-2010 | 22:46:48.377 | 22:53:00.620 | 372.24300 |
| HO | 78498 | 25-APR-2010 | 23:55:08.669 | 00:09:38.961 | 870.29200 |

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1.5 - List of corrupted products

| | | |
|---------|-------|------|
| Station | Orbit | Time |
|---------|-------|------|

2 - Instrument Indicators and Daily Plots

2.1 - Instrument Indicators Status

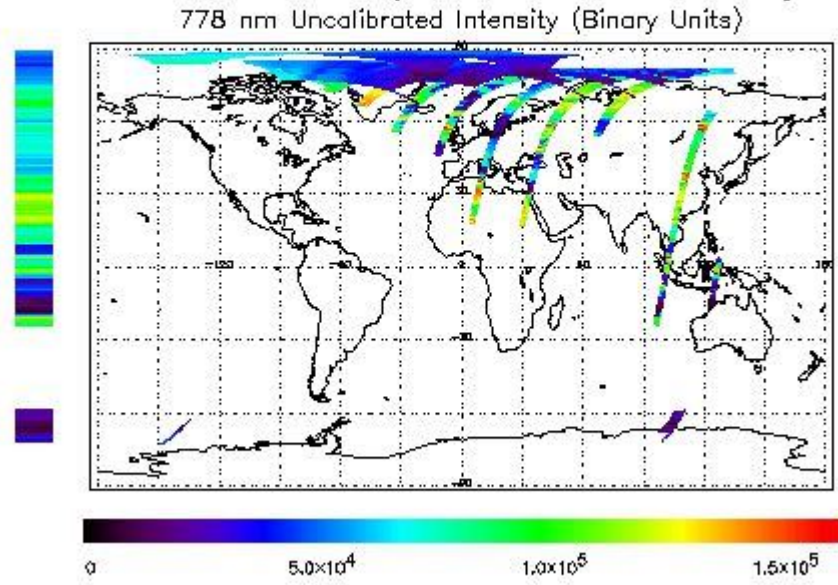
| Indicator | Value |
|--------------------------------------|-------|
| MPH Product Confidence | OK |
| SPH Product Confidence | OK |
| Command Word Echo Summary | OK |
| Instrument Status 1A | OK |
| Instrument Status 1B | OK |
| Instrument Status 2 | OK |
| Integration Times Channel 1 | OK |
| Co-Adding 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](#)

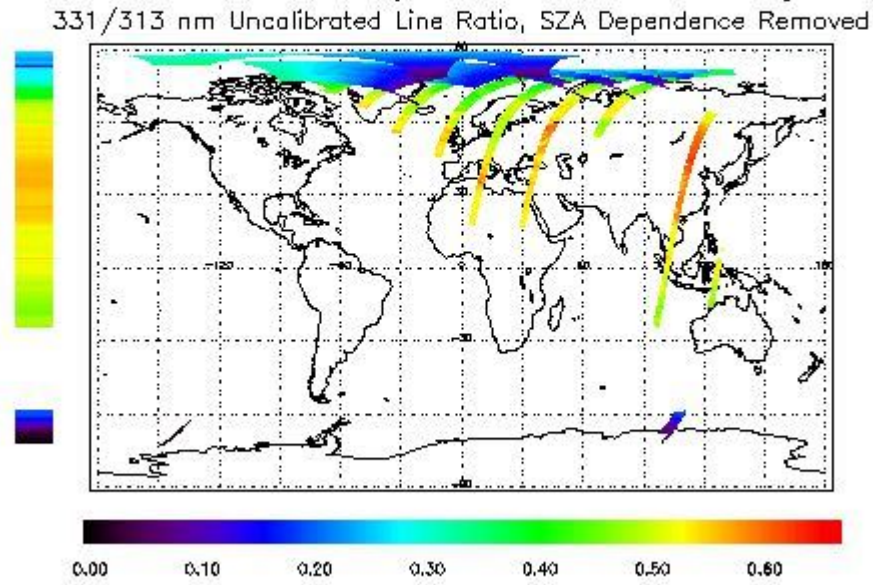
NEAR IR Intensity

First Product : 24-APR-2010 23:48:43.416 : ORBIT : 78484.1591
 Last Product : 25-APR-2010 23:28:07.095 : ORBIT : 78498.2487
 Total Products Processed : 13699 Day : 115 Page : 21



Ozone Line Ratio

First Product : 24-APR-2010 23:48:43.416 : ORBIT : 78484.1591
 Last Product : 25-APR-2010 23:28:07.095 : ORBIT : 78498.2487
 Total Products Processed : 13699 Day : 115 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 |
|------------|----------|-------------|-----------|
| -- | -- | -- | -- |