

GOME Daily Report

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1 - General Info

1.1 - Report Summary

| Item | Value |
|-------------------------------------|---|
| Report Version | GOMEver3_3 |
| Report of Day | 27-FEB-2011 |
| Start Time of First Product | 22:40:41 (26-Feb) |
| Stop Time of Last Product | 22:31:39 |
| Number of EGOI Products analysed | 31 |
| Number of corrupted products | -- |
| Anomalies and/or Special Operations | Due to the ERS2 orbit lowering manoeuvre data acquired in the transition period, from 22 February to 10 March, are for internal use only; no solar calibration measurements and Narrow Swath planned during the transition period |

1.2 - List of received products

| Name | Date | Time |
|------------------------|-------------|--------------|
| EGOI_110226CMEP4442.E2 | 26-FEB-2011 | 03:45:36.514 |
| EGOI_110226CMEP4449.E2 | 26-FEB-2011 | 05:20:35.597 |
| EGOI_110226CMEP4457.E2 | 26-FEB-2011 | 16:02:39.553 |
| EGOI_110226CMEP4468.E2 | 26-FEB-2011 | 17:43:05.673 |
| EGOI_110226GSEP6568.E2 | 26-FEB-2011 | 02:06:47.907 |
| EGOI_110226GSEP6599.E2 | 26-FEB-2011 | 03:46:14.017 |
| EGOI_110226GSEP6608.E2 | 26-FEB-2011 | 05:29:35.654 |
| EGOI_110226KSEP4519.E2 | 26-FEB-2011 | 07:27:07.875 |
| EGOI_110226KSEP4549.E2 | 26-FEB-2011 | 09:06:57.989 |
| EGOI_110226KSEP4580.E2 | 26-FEB-2011 | 10:46:30.101 |
| EGOI_110226KSEP4610.E2 | 26-FEB-2011 | 12:25:44.213 |
| EGOI_110226KSEP4638.E2 | 26-FEB-2011 | 14:04:35.824 |
| EGOI_110226KSEP4663.E2 | 26-FEB-2011 | 15:42:34.928 |
| EGOI_110226KSEP4691.E2 | 26-FEB-2011 | 17:20:11.532 |
| EGOI_110226KSEP4723.E2 | 26-FEB-2011 | 18:58:06.135 |
| EGOI_110226KSEP4755.E2 | 26-FEB-2011 | 20:37:24.744 |
| EGOI_110226KSEP4783.E2 | 26-FEB-2011 | 22:18:59.871 |
| EGOI_110226MAEP3039.E2 | 26-FEB-2011 | 10:54:07.651 |
| EGOI_110226MIEP4228.E2 | 26-FEB-2011 | 02:04:55.395 |
| EGOI_110226MIEP4257.E2 | 26-FEB-2011 | 03:41:10.986 |
| EGOI_110226MIEP4277.E2 | 26-FEB-2011 | 14:24:50.946 |
| EGOI_110226MIEP4304.E2 | 26-FEB-2011 | 16:00:30.542 |
| EGOI_110226MIEP4328.E2 | 26-FEB-2011 | 17:42:08.665 |
| EGOI_110226MSEP8280.E2 | 25-FEB-2011 | 22:40:40.638 |
| EGOI_110226MSEP8307.E2 | 26-FEB-2011 | 00:21:15.756 |
| EGOI_110226MSEP8338.E2 | 26-FEB-2011 | 10:59:48.188 |
| EGOI_110226MSEP8366.E2 | 26-FEB-2011 | 12:39:09.796 |
| EGOI_110226MSEP8397.E2 | 26-FEB-2011 | 22:08:47.812 |
| EGOI_110226SGEP1771.E2 | 26-FEB-2011 | 02:44:51.138 |
| EGOI_110226SGEP1778.E2 | 26-FEB-2011 | 04:23:38.248 |
| EGOI_110226SGEP1788.E2 | 26-FEB-2011 | 17:00:47.410 |

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1.3 - List of data gaps

| Station | Orbit | Date | Start Time | Stop Time | Duration (s) |
|---------|-------|-------------|--------------|--------------|--------------|
| KS | 82883 | 26-FEB-2011 | 07:38:46.949 | 07:42:16.430 | 209.48100 |
| KS | 82884 | 26-FEB-2011 | 09:21:20.579 | 09:24:18.435 | 177.85600 |
| KS | 82885 | 26-FEB-2011 | 11:01:10.694 | 11:04:11.882 | 181.18800 |
| KS | 82886 | 26-FEB-2011 | 12:39:14.294 | 12:42:35.647 | 201.35300 |
| KS | 82887 | 26-FEB-2011 | 14:16:47.897 | 14:20:18.591 | 210.69400 |
| KS | 82888 | 26-FEB-2011 | 15:54:38.006 | 15:58:18.382 | 220.37600 |
| KS | 82889 | 26-FEB-2011 | 17:33:34.110 | 17:37:03.525 | 209.41500 |

| | | | | | |
|----|-------|-------------|--------------|--------------|-----------|
| KS | 82890 | 26-FEB-2011 | 19:12:42.225 | 19:16:23.610 | 221.38500 |
| KS | 82891 | 26-FEB-2011 | 20:52:17.336 | 20:55:59.684 | 222.34800 |
| KS | 82892 | 26-FEB-2011 | 22:31:40.444 | 22:35:33.543 | 233.09900 |
| GS | 82880 | 26-FEB-2011 | 02:21:23.999 | 02:23:54.888 | 150.88900 |
| GS | 82881 | 26-FEB-2011 | 04:00:39.602 | 04:03:09.448 | 149.84600 |
| MS | 82879 | 26-FEB-2011 | 00:32:50.326 | 00:35:22.690 | 152.36400 |
| MS | 82885 | 26-FEB-2011 | 11:12:43.765 | 11:16:08.665 | 204.90000 |
| MS | 82886 | 26-FEB-2011 | 12:51:32.373 | 12:54:39.132 | 186.75900 |
| MS | 82892 | 26-FEB-2011 | 22:20:37.378 | 22:25:12.645 | 275.26700 |
| MS | 82893 | 27-FEB-2011 | 00:00:27.494 | 00:04:55.790 | 268.29600 |
| MA | 82885 | 26-FEB-2011 | 11:02:58.704 | 11:09:17.275 | 378.57100 |
| MI | 82880 | 26-FEB-2011 | 02:14:07.449 | 02:17:04.504 | 177.05500 |
| MI | 82881 | 26-FEB-2011 | 03:55:09.572 | 03:57:55.977 | 166.40500 |
| MI | 82887 | 26-FEB-2011 | 14:30:47.984 | 14:35:04.082 | 256.09800 |
| MI | 82888 | 26-FEB-2011 | 16:14:30.628 | 16:18:08.161 | 217.53300 |
| MI | 82889 | 26-FEB-2011 | 17:49:53.714 | 17:52:32.379 | 158.66500 |
| SG | 82880 | 26-FEB-2011 | 02:57:07.711 | 03:00:36.551 | 208.84000 |
| SG | 82881 | 26-FEB-2011 | 04:36:08.325 | 04:39:00.063 | 171.73800 |
| CM | 82880 | 26-FEB-2011 | 03:43:47.134 | 03:45:36.513 | 109.37900 |
| CM | 82880 | 26-FEB-2011 | 03:53:17.060 | 03:55:54.807 | 157.74700 |
| CM | 82882 | 26-FEB-2011 | 05:30:28.155 | 05:32:48.300 | 140.14500 |
| CM | 82888 | 26-FEB-2011 | 16:16:32.138 | 16:19:53.179 | 201.04100 |
| CM | 82889 | 26-FEB-2011 | 17:53:19.235 | 17:56:15.843 | 176.60800 |

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1.4 - List of missing products

| Station | Orbit | Date | Start Time | Stop Time | Duration (s) |
|---------|-------|-------------|--------------|--------------|--------------|
| MM | 82878 | 25-FEB-2011 | 23:48:39.234 | 00:00:17.458 | 698.22400 |
| HO | 82879 | 26-FEB-2011 | 01:18:39.509 | 01:31:19.392 | 759.88300 |
| MM | 82879 | 26-FEB-2011 | 01:30:35.681 | 01:40:29.530 | 593.84900 |
| GS | 82879 | 26-FEB-2011 | 00:35:33.462 | 00:42:46.615 | 433.15300 |
| BE | 82880 | 26-FEB-2011 | 02:36:14.398 | 02:49:24.769 | 790.37100 |
| MM | 82880 | 26-FEB-2011 | 03:13:27.493 | 03:21:01.097 | 453.60400 |
| CM | 82880 | 26-FEB-2011 | 03:43:47.134 | 03:55:54.807 | 727.67300 |
| BE | 82881 | 26-FEB-2011 | 04:16:09.712 | 04:27:29.568 | 679.85600 |
| MM | 82881 | 26-FEB-2011 | 04:56:26.718 | 05:02:17.524 | 350.80600 |

| | | | | | |
|----|-------|-------------|--------------|--------------|-----------|
| MM | 82882 | 26-FEB-2011 | 06:38:17.455 | 06:44:53.261 | 395.80600 |
| KS | 82882 | 26-FEB-2011 | 05:52:41.828 | 05:56:43.247 | 241.41900 |
| JO | 82882 | 26-FEB-2011 | 06:22:01.995 | 06:28:01.965 | 359.97000 |
| MM | 82883 | 26-FEB-2011 | 08:19:03.789 | 08:27:57.329 | 533.54000 |
| JO | 82883 | 26-FEB-2011 | 07:55:55.597 | 08:10:46.586 | 890.98900 |
| MM | 82884 | 26-FEB-2011 | 09:59:22.864 | 10:10:21.011 | 658.14700 |
| MA | 82884 | 26-FEB-2011 | 09:19:00.981 | 09:32:20.899 | 799.91800 |
| JO | 82884 | 26-FEB-2011 | 09:37:12.121 | 09:48:35.835 | 683.71400 |
| MM | 82885 | 26-FEB-2011 | 11:39:27.156 | 11:51:41.055 | 733.89900 |
| MM | 82886 | 26-FEB-2011 | 13:19:17.845 | 13:32:00.098 | 762.25300 |
| HO | 82887 | 26-FEB-2011 | 15:08:50.650 | 15:17:23.737 | 513.08700 |
| MM | 82887 | 26-FEB-2011 | 14:58:53.219 | 15:11:33.850 | 760.63100 |
| GS | 82887 | 26-FEB-2011 | 14:20:37.973 | 14:30:54.263 | 616.29000 |
| SG | 82887 | 26-FEB-2011 | 15:21:58.721 | 15:35:51.290 | 832.56900 |
| BE | 82888 | 26-FEB-2011 | 15:34:18.816 | 15:44:23.440 | 604.62400 |
| MM | 82888 | 26-FEB-2011 | 16:38:12.366 | 16:50:44.789 | 752.42300 |
| GS | 82888 | 26-FEB-2011 | 15:58:53.798 | 16:12:49.831 | 836.03300 |
| MM | 82889 | 26-FEB-2011 | 18:17:20.905 | 18:29:54.888 | 753.98300 |
| GS | 82889 | 26-FEB-2011 | 17:39:06.798 | 17:49:56.267 | 649.46900 |
| MM | 82890 | 26-FEB-2011 | 19:56:34.923 | 20:09:17.546 | 762.62300 |
| MA | 82890 | 26-FEB-2011 | 19:00:51.431 | 19:05:59.763 | 308.33200 |
| JO | 82890 | 26-FEB-2011 | 20:16:02.668 | 20:30:39.250 | 876.58200 |
| MM | 82891 | 26-FEB-2011 | 21:36:17.674 | 21:48:56.676 | 759.00200 |
| MA | 82891 | 26-FEB-2011 | 20:34:25.646 | 20:48:06.173 | 820.52700 |
| JO | 82891 | 26-FEB-2011 | 21:56:01.262 | 22:08:39.126 | 757.86400 |
| HO | 82892 | 26-FEB-2011 | 23:07:28.547 | 23:21:12.869 | 824.32200 |
| MM | 82892 | 26-FEB-2011 | 23:16:50.466 | 23:28:50.811 | 720.34500 |
| MA | 82892 | 26-FEB-2011 | 22:17:25.169 | 22:26:22.704 | 537.53500 |

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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 |

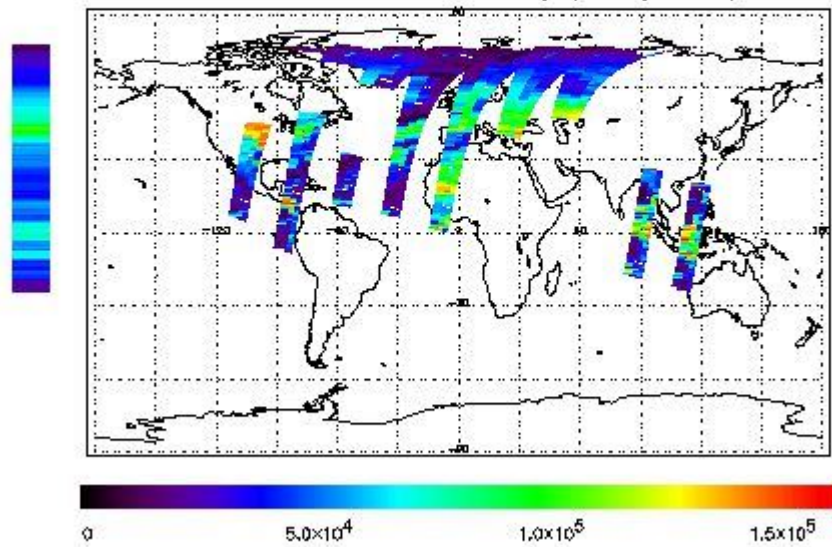
2.2 - Daily Plots

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 : 25-FEB-2011 22:40:40.638 : ORBIT : 82877.9684
 Last Product : 26-FEB-2011 22:31:38.945 : ORBIT : 82892.1929
 Total Products Processed : 14867 Day : 57 Page : 21

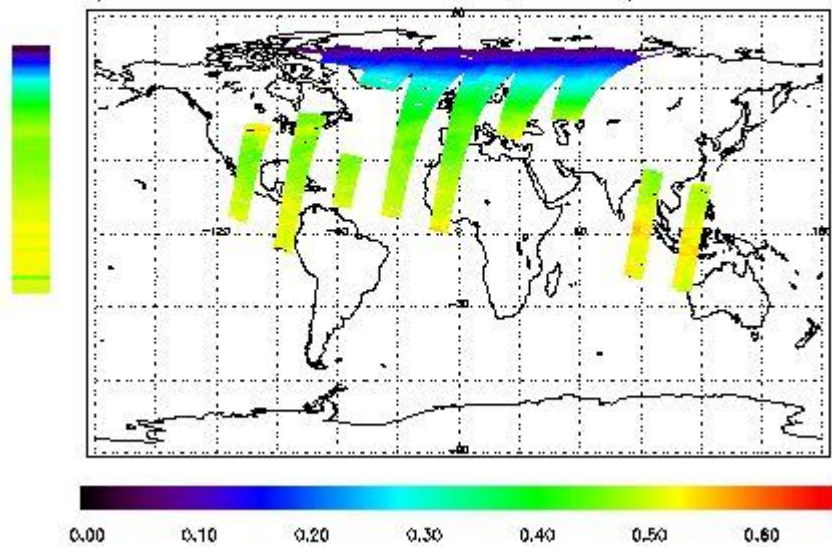
778 nm Uncalibrated Intensity (Binary Units)



Ozone Line Ratio

First Product : 25-FEB-2011 22:40:40.638 : ORBIT : 82877.9684
 Last Product : 26-FEB-2011 22:31:38.945 : ORBIT : 82892.1929
 Total Products Processed : 14867 Day : 57 Page : 20

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