

GOME Daily Report

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1 - General Info

1.1 - Report Summary

Item	Value
Report Version	GOMEver3_3
Report of Day	02-FEB-2010
Start Time of First Product	00:54:21
Stop Time of Last Product	23:04:05
Number of EGOI Products analysed	34
Number of corrupted products	--
Anomalies and/or Special Operations	Nominal Data

1.2 - List of received products

Name	Date	Time
EGOI_100202BEEP1805.E2	02-FEB-2010	04:44:46.037
EGOI_100202CMEP6471.E2	02-FEB-2010	14:58:10.814
EGOI_100202GSEP8752.E2	02-FEB-2010	01:00:43.163
EGOI_100202GSEP8784.E2	02-FEB-2010	02:37:22.758
EGOI_100202GSEP8813.E2	02-FEB-2010	04:18:30.877
EGOI_100202GSEP8820.E2	02-FEB-2010	06:00:49.511
EGOI_100202KSEP0926.E2	02-FEB-2010	06:19:01.621
EGOI_100202KSEP0956.E2	02-FEB-2010	07:58:53.237
EGOI_100202KSEP0981.E2	02-FEB-2010	09:38:32.849

EGOI_100202KSEP1010.E2	02-FEB-2010	11:18:07.964
EGOI_100202KSEP1042.E2	02-FEB-2010	12:57:20.576
EGOI_100202KSEP1055.E2	02-FEB-2010	14:36:10.680
EGOI_100202KSEP1073.E2	02-FEB-2010	16:13:51.785
EGOI_100202KSEP1090.E2	02-FEB-2010	17:51:53.889
EGOI_100202KSEP1123.E2	02-FEB-2010	19:29:51.493
EGOI_100202KSEP1157.E2	02-FEB-2010	21:10:04.109
EGOI_100202KSEP1178.E2	02-FEB-2010	22:52:40.748
EGOI_100202MAEP8444.E2	02-FEB-2010	09:46:10.396
EGOI_100202MAEP8452.E2	02-FEB-2010	11:25:59.011
EGOI_100202MIEP2048.E2	02-FEB-2010	02:34:09.239
EGOI_100202MIEP2076.E2	02-FEB-2010	04:13:32.346
EGOI_100202MIEP2101.E2	02-FEB-2010	14:54:18.290
EGOI_100202MIEP2131.E2	02-FEB-2010	16:32:35.402
EGOI_100202MMEP3091.E2	02-FEB-2010	10:26:25.647
EGOI_100202MMEP3098.E2	02-FEB-2010	12:06:45.759
EGOI_100202MMEP3108.E2	02-FEB-2010	22:04:08.943
EGOI_100202MSEP3559.E2	02-FEB-2010	00:54:20.624
EGOI_100202MSEP3575.E2	02-FEB-2010	11:31:14.044
EGOI_100202MSEP3598.E2	02-FEB-2010	13:11:58.163
EGOI_100202MSEP3625.E2	02-FEB-2010	22:40:21.170
EGOI_100202SGEP3372.E2	02-FEB-2010	03:14:58.985
EGOI_100202SGEP3379.E2	02-FEB-2010	04:56:17.608
EGOI_100202SGEP3386.E2	02-FEB-2010	14:12:37.536
EGOI_100202SGEP3391.E2	02-FEB-2010	15:50:03.640

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1.3 - List of data gaps

Station	Orbit	Date	Start Time	Stop Time	Duration (s)
KS	77314	02-FEB-2010	06:17:38.837	06:19:01.620	82.783000
KS	77315	02-FEB-2010	07:56:42.143	07:58:53.237	131.09400
KS	77316	02-FEB-2010	09:36:18.516	09:38:32.849	134.33300
KS	77317	02-FEB-2010	11:15:52.469	11:18:07.964	135.49500
KS	77318	02-FEB-2010	12:55:06.351	12:57:20.575	134.22400
KS	77319	02-FEB-2010	14:33:51.552	14:36:10.679	139.12700
KS	77320	02-FEB-2010	16:11:32.920	16:13:51.785	138.86500
KS	77321	02-FEB-2010	17:49:27.396	17:51:53.889	146.49300
KS	77322	02-FEB-2010	19:28:00.447	19:29:51.492	111.04500
KS	77323	02-FEB-2010	21:08:19.629	21:10:04.109	104.48000
KS	77324	02-FEB-2010	22:50:57.518	22:52:40.748	103.23000
GS	77311	02-FEB-2010	00:59:22.511	01:00:43.162	80.651000

GS	77312	02-FEB-2010	02:35:44.912	02:37:22.758	97.846000
GS	77313	02-FEB-2010	04:16:47.407	04:18:30.876	103.46900
MS	77317	02-FEB-2010	11:28:48.904	11:31:14.044	145.14000
MS	77318	02-FEB-2010	13:09:38.677	13:11:58.162	139.48500
MS	77324	02-FEB-2010	22:38:18.711	22:40:21.170	122.45900
MA	77316	02-FEB-2010	09:44:21.694	09:46:10.395	108.70100
MI	77312	02-FEB-2010	02:32:00.882	02:34:09.239	128.35700
MI	77313	02-FEB-2010	04:10:42.489	04:13:32.346	169.85700
MI	77319	02-FEB-2010	14:52:15.710	14:54:18.290	122.58000
MI	77320	02-FEB-2010	16:30:29.448	16:32:35.402	125.95400
MM	77316	02-FEB-2010	10:25:08.086	10:26:25.647	77.561000
MM	77317	02-FEB-2010	12:05:08.969	12:06:45.759	96.790000
MM	77323	02-FEB-2010	22:02:03.480	22:04:08.942	125.46200
BE	77313	02-FEB-2010	04:42:19.349	04:44:46.037	146.68800
BE	77313	02-FEB-2010	04:47:28.051	04:51:45.910	257.85900
SG	77312	02-FEB-2010	03:12:48.617	03:14:58.985	130.36800
SG	77313	02-FEB-2010	04:54:46.130	04:56:17.607	91.477000
SG	77318	02-FEB-2010	14:10:46.578	14:12:37.535	110.95700
SG	77319	02-FEB-2010	15:47:36.802	15:50:03.639	146.83700

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1.4 - List of missing products

Station	Orbit	Date	Start Time	Stop Time	Duration (s)
HO	77310	02-FEB-2010	00:03:36.681	00:18:10.305	873.62400
MM	77310	02-FEB-2010	00:14:45.795	00:26:02.048	676.25300
HO	77311	02-FEB-2010	01:45:47.490	01:56:09.932	622.44200
MM	77311	02-FEB-2010	01:56:58.466	02:06:18.134	559.66800
BE	77312	02-FEB-2010	03:01:42.568	03:15:07.688	805.12000
MM	77312	02-FEB-2010	03:39:58.874	03:46:57.545	418.67100
CM	77312	02-FEB-2010	02:34:54.762	02:38:21.305	206.54300
CM	77312	02-FEB-2010	04:09:07.664	04:21:32.309	744.64500
MM	77313	02-FEB-2010	05:22:46.471	05:28:32.955	346.48400
MM	77314	02-FEB-2010	07:04:16.431	07:11:24.346	427.91500
JO	77314	02-FEB-2010	06:44:57.804	06:55:21.826	624.02200
MM	77315	02-FEB-2010	08:44:53.316	08:54:22.572	569.25600
MA	77315	02-FEB-2010	08:06:33.524	08:16:14.157	580.63300

JO	77315	02-FEB-2010	08:21:20.669	08:36:21.354	900.68500
JO	77316	02-FEB-2010	10:05:02.946	10:12:16.294	433.34800
MM	77318	02-FEB-2010	13:44:55.916	13:57:39.709	763.79300
SG	77318	02-FEB-2010	14:10:46.578	14:19:55.730	549.15200
BE	77319	02-FEB-2010	14:18:21.871	14:31:44.318	802.44700
MM	77319	02-FEB-2010	15:24:27.058	15:37:05.309	758.25100
GS	77319	02-FEB-2010	14:45:34.826	14:56:23.625	648.79900
BE	77320	02-FEB-2010	16:02:00.164	16:08:31.294	391.13000
MM	77320	02-FEB-2010	17:03:42.544	17:16:14.168	751.62400
GS	77320	02-FEB-2010	16:24:31.018	16:38:13.528	822.51000
CM	77320	02-FEB-2010	16:33:06.538	16:45:30.047	743.50900
MM	77321	02-FEB-2010	18:42:50.538	18:55:26.640	756.10200
GS	77321	02-FEB-2010	18:05:14.210	18:14:04.353	530.14300
JO	77321	02-FEB-2010	19:05:16.278	19:12:58.635	462.35700
MM	77322	02-FEB-2010	20:22:09.644	20:34:53.474	763.83000
MA	77322	02-FEB-2010	19:24:22.866	19:33:29.827	546.96100
JO	77322	02-FEB-2010	20:41:24.195	20:56:25.441	901.24600
HO	77323	02-FEB-2010	21:56:39.674	22:06:24.230	584.55600
MA	77323	02-FEB-2010	21:00:04.103	21:13:37.210	813.10700
JO	77323	02-FEB-2010	22:22:29.864	22:32:38.839	608.97500
HO	77324	02-FEB-2010	23:32:31.284	23:46:53.393	862.10900
MM	77324	02-FEB-2010	23:42:51.703	23:54:34.334	702.63100
MA	77324	02-FEB-2010	22:45:40.979	22:50:13.002	272.02300

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1.5 - List of corrupted products

Station	Orbit	Time
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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

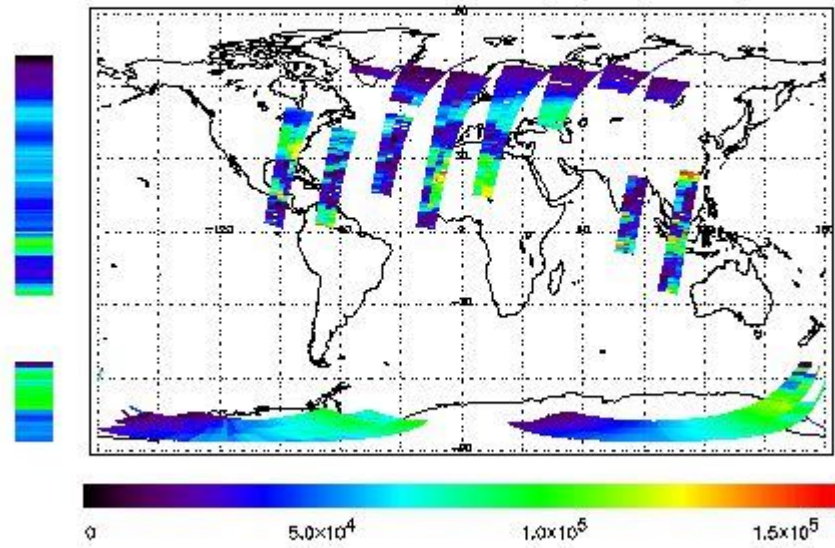
2.2 - Daily Plots

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 : 02-FEB-2010 00:54:20.624 : ORBIT : 77311.0399
 Last Product : 02-FEB-2010 23:04:04.814 : ORBIT : 77324.2582
 Total Products Processed : 18083 Day : 33 Page : 21

778 nm Uncalibrated Intensity (Binary Units)

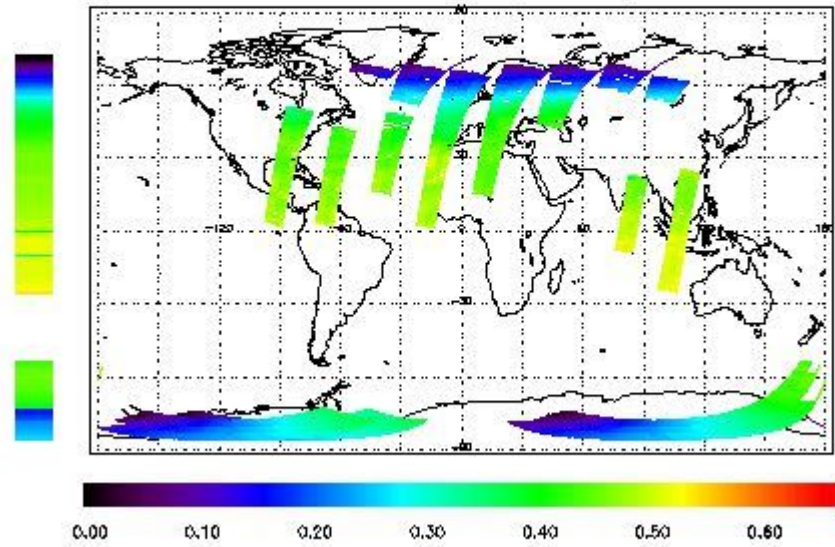


Ozone Line Ratio

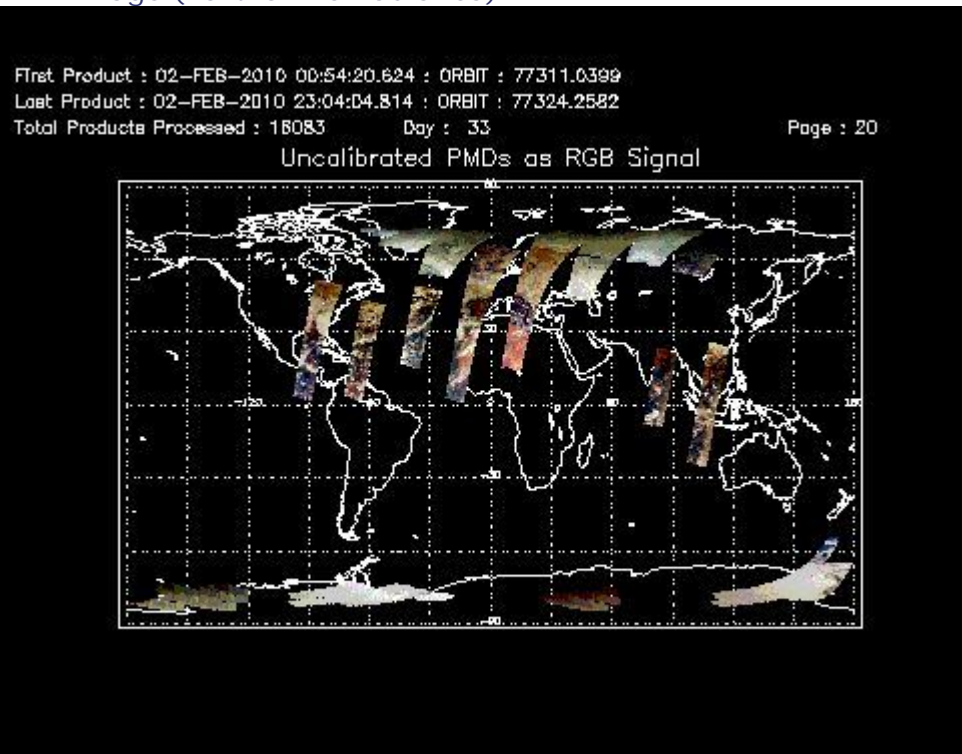
First Product : 02-FEB-2010 00:54:20.624 : ORBIT : 77311.0399
 Last Product : 02-FEB-2010 23:04:04.814 : ORBIT : 77324.2582
 Total Products Processed : 18083 Day : 33

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331/313 nm Uncalibrated Line Ratio, SZA Dependence Removed



PMD Image (Earthshine Radiance)



3 - Instrument Calibration

3.1 - Solar Calibration (Daily/TST44)

Daily(D)/TST44(T)	Start Time	End Time (T)	Orbit	Ground Station Visibility	Warm Detector Temperature (TST/44)	Max PMD Readout during solar calibration (BU set 2/12)
D	11:22:19.987	--	77317	Yes	--	15364

3.2 - Lamp Calibration (Quarterly/TST44)

Quarterly(Q)/TST44(T)	Start Time	End Time	Orbit	Ground Station Visibility	Warm Detector Temperature (TST/44)	Lamp Instability Voltage (if any) (V)	Lamp Failure N. (if any)
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4 - Instrument Anomalies

4.1 - Single Event Upset (SEU)

Start Time	End Time	Start Orbit	End Orbit	Ground Station Visibility
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4.2 - Instrument Off

Start Time	End Time	Start Orbit	End Orbit	MPS Resumption	Ground Station Visibility
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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
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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
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5.4 - Wrong Command Execution

Start Time	End Time	Start Orbit	End Orbit	Ground Station Visibility
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5.5 - Narrow Swath Timeline

Start Time	End Time	Start Orbit	End Orbit
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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