

# GOME Daily Report

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## 1 - General Info

### 1.1 - Report Summary

Item	Value
Report Version	GOMEver3_3
Report of Day	26-DEC-2009
Start Time of First Product	00:48:07
Stop Time of Last Product	22:57:59
Number of EGOI Products analysed	33
Number of corrupted products	--
Anomalies and/or Special Operations	Nominal Data

### 1.2 - List of received products

Name	Date	Time
OI_091226GSEP6062.E2;1	26-DEC-2009	00:55:29.780
EGOI_091226GSEP6093.E2	26-DEC-2009	02:32:07.879
EGOI_091226GSEP6123.E2	26-DEC-2009	04:12:47.498
EGOI_091226GSEP6130.E2	26-DEC-2009	05:55:13.629
EGOI_091226KSEP0575.E2	26-DEC-2009	06:13:31.738
EGOI_091226KSEP0605.E2	26-DEC-2009	07:53:21.858
EGOI_091226KSEP0630.E2	26-DEC-2009	09:32:59.974
EGOI_091226KSEP0666.E2	26-DEC-2009	11:12:36.593
EGOI_091226KSEP0695.E2	26-DEC-2009	12:51:50.709

EGOI_091226KSEP0708.E2	26-DEC-2009	14:30:42.318
EGOI_091226KSEP0726.E2	26-DEC-2009	16:08:24.921
EGOI_091226KSEP0757.E2	26-DEC-2009	17:46:21.027
EGOI_091226KSEP0792.E2	26-DEC-2009	19:24:20.130
EGOI_091226KSEP0823.E2	26-DEC-2009	21:04:26.753
EGOI_091226KSEP0833.E2	26-DEC-2009	22:48:27.395
EGOI_091226MAEP7248.E2	26-DEC-2009	09:40:42.021
EGOI_091226MAEP7269.E2	26-DEC-2009	20:56:49.206
EGOI_091226MIEP8538.E2	26-DEC-2009	02:28:49.860
EGOI_091226MIEP8566.E2	26-DEC-2009	04:07:51.967
EGOI_091226MIEP8591.E2	26-DEC-2009	14:49:01.927
EGOI_091226MIEP8620.E2	26-DEC-2009	16:27:02.539
EGOI_091226MMEP2258.E2	26-DEC-2009	01:52:21.129
EGOI_091226MMEP2263.E2	26-DEC-2009	05:17:34.394
EGOI_091226MMEP2273.E2	26-DEC-2009	06:59:24.520
EGOI_091226MMEP2287.E2	26-DEC-2009	18:39:24.356
EGOI_091226MMEP2295.E2	26-DEC-2009	21:58:40.585
EGOI_091226MMEP2303.E2	26-DEC-2009	23:38:56.204
EGOI_091226MSEP9124.E2	26-DEC-2009	00:48:07.233
EGOI_091226MSEP9144.E2	26-DEC-2009	11:25:41.172
EGOI_091226MSEP9168.E2	26-DEC-2009	13:06:17.796
EGOI_091226MSEP9194.E2	26-DEC-2009	22:35:04.809
EGOI_091226SGEP2452.E2	26-DEC-2009	03:09:21.603
EGOI_091226SGEP2460.E2	26-DEC-2009	04:50:25.225

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### 1.3 - List of data gaps

Station	Orbit	Date	Start Time	Stop Time	Duration (s)
KS	76770	26-DEC-2009	06:12:03.219	06:13:31.737	88.518000
KS	76771	26-DEC-2009	07:51:01.017	07:53:21.857	140.84000
KS	76772	26-DEC-2009	09:30:36.901	09:32:59.974	143.07300
KS	76773	26-DEC-2009	11:10:11.469	11:12:36.592	145.12300
KS	76774	26-DEC-2009	12:49:27.007	12:51:50.708	143.70100
KS	76775	26-DEC-2009	14:28:14.104	14:30:42.318	148.21400
KS	76776	26-DEC-2009	16:05:58.069	16:08:24.921	146.85200
KS	76777	26-DEC-2009	17:43:53.572	17:46:21.026	147.45400
KS	76778	26-DEC-2009	19:22:19.836	19:24:20.129	120.29300
KS	76779	26-DEC-2009	21:02:32.368	21:04:26.752	114.38400
KS	76780	26-DEC-2009	22:45:00.915	22:48:27.394	206.47900
GS	76767	26-DEC-2009	00:54:01.937	00:55:29.780	87.843000
GS	76768	26-DEC-2009	02:30:09.869	02:32:07.878	118.00900

GS	76769	26-DEC-2009	04:10:51.569	04:12:47.498	115.92900
MS	76767	26-DEC-2009	00:46:29.062	00:48:07.232	98.170000
MS	76773	26-DEC-2009	11:23:09.472	11:25:41.172	151.70000
MS	76774	26-DEC-2009	13:03:45.602	13:06:17.795	152.19300
MS	76780	26-DEC-2009	22:32:45.337	22:35:04.809	139.47200
MA	76772	26-DEC-2009	09:38:41.233	09:40:42.020	120.78700
MA	76779	26-DEC-2009	20:54:15.177	20:56:49.205	154.02800
MI	76768	26-DEC-2009	02:26:35.741	02:28:49.860	134.11900
MI	76769	26-DEC-2009	04:04:52.995	04:07:51.967	178.97200
MI	76775	26-DEC-2009	14:46:51.743	14:49:01.927	130.18400
MM	76767	26-DEC-2009	01:51:06.423	01:52:21.129	74.706000
SG	76768	26-DEC-2009	03:07:12.531	03:09:21.603	129.07200
SG	76769	26-DEC-2009	04:48:36.259	04:50:25.225	108.96600

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#### 1.4 - List of missing products

Station	Orbit	Date	Start Time	Stop Time	Duration (s)
HO	76766	25-DEC-2009	23:57:58.438	00:12:29.488	871.05000
MM	76766	26-DEC-2009	00:08:57.290	00:20:18.729	681.43900
HO	76767	26-DEC-2009	01:39:30.672	01:50:39.868	669.19600
BE	76768	26-DEC-2009	02:56:02.123	03:09:26.614	804.49100
MM	76768	26-DEC-2009	03:34:05.233	03:41:11.390	426.15700
CM	76768	26-DEC-2009	04:03:27.295	04:15:52.516	745.22100
BE	76769	26-DEC-2009	04:36:28.898	04:46:25.027	596.12900
JO	76770	26-DEC-2009	06:39:43.885	06:49:24.341	580.45600
MM	76771	26-DEC-2009	08:39:09.101	08:48:30.580	561.47900
MA	76771	26-DEC-2009	08:01:42.967	08:10:09.416	506.44900
JO	76771	26-DEC-2009	08:15:39.811	08:30:41.483	901.67200
MM	76772	26-DEC-2009	10:19:24.780	10:30:42.284	677.50400
MM	76773	26-DEC-2009	11:59:26.421	12:11:49.386	742.96500
MA	76773	26-DEC-2009	11:19:35.233	11:28:08.897	513.66400
MM	76774	26-DEC-2009	13:39:14.212	13:51:57.817	763.60500
SG	76774	26-DEC-2009	14:05:37.346	14:13:47.234	489.88800
BE	76775	26-DEC-2009	14:12:39.857	14:26:04.308	804.45100
MM	76775	26-DEC-2009	15:18:46.299	15:31:25.094	758.79500
GS	76775	26-DEC-2009	14:40:00.385	14:50:53.533	653.14800

SG	76775	26-DEC-2009	15:41:52.820	15:55:36.397	823.57700
BE	76776	26-DEC-2009	15:55:42.728	16:03:16.679	453.95100
MM	76776	26-DEC-2009	16:58:02.559	17:10:34.290	751.73100
MI	76776	26-DEC-2009	16:24:45.077	16:37:46.485	781.40800
GS	76776	26-DEC-2009	16:18:48.906	16:32:36.400	827.49400
CM	76776	26-DEC-2009	16:27:25.738	16:39:50.997	745.25900
MM	76777	26-DEC-2009	18:37:10.573	18:49:46.168	755.59500
GS	76777	26-DEC-2009	17:59:24.524	18:08:44.994	560.47000
JO	76777	26-DEC-2009	19:00:16.445	19:06:30.544	374.09900
MM	76778	26-DEC-2009	20:16:28.407	20:29:12.059	763.65200
MA	76778	26-DEC-2009	19:19:03.592	19:27:39.454	515.86200
JO	76778	26-DEC-2009	20:35:44.772	20:50:43.866	899.09400
HO	76779	26-DEC-2009	21:51:29.030	22:00:32.920	543.89000
MM	76779	26-DEC-2009	21:56:19.662	22:08:54.379	754.71700
JO	76779	26-DEC-2009	22:16:33.861	22:27:23.006	649.14500
HO	76780	26-DEC-2009	23:26:55.039	23:41:11.639	856.60000
MM	76780	26-DEC-2009	23:37:04.388	23:48:51.254	706.86600
MA	76780	26-DEC-2009	22:39:11.060	22:45:05.641	354.58100

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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

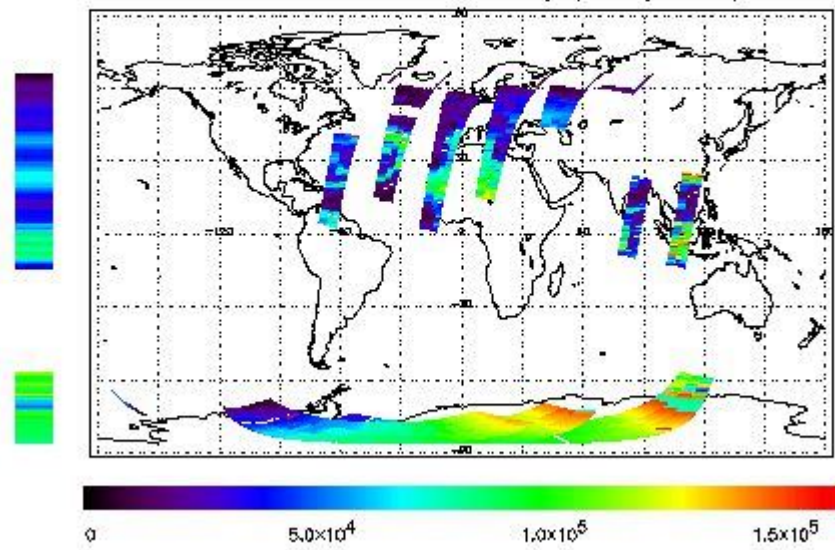
## 2.2 - Daily Plots

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 : 26-DEC-2009 00:48:07.233 : ORBIT : 76767.0352  
 Last Product : 26-DEC-2009 22:57:58.949 : ORBIT : 76780.2547  
 Total Products Processed : 13788 Day : 360 Page : 21

778 nm Uncalibrated Intensity (Binary Units)



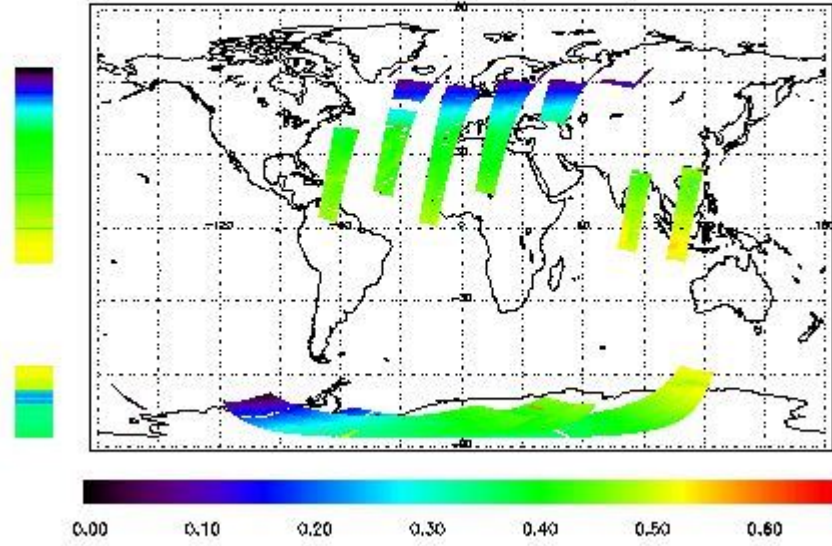
### Ozone Line Ratio



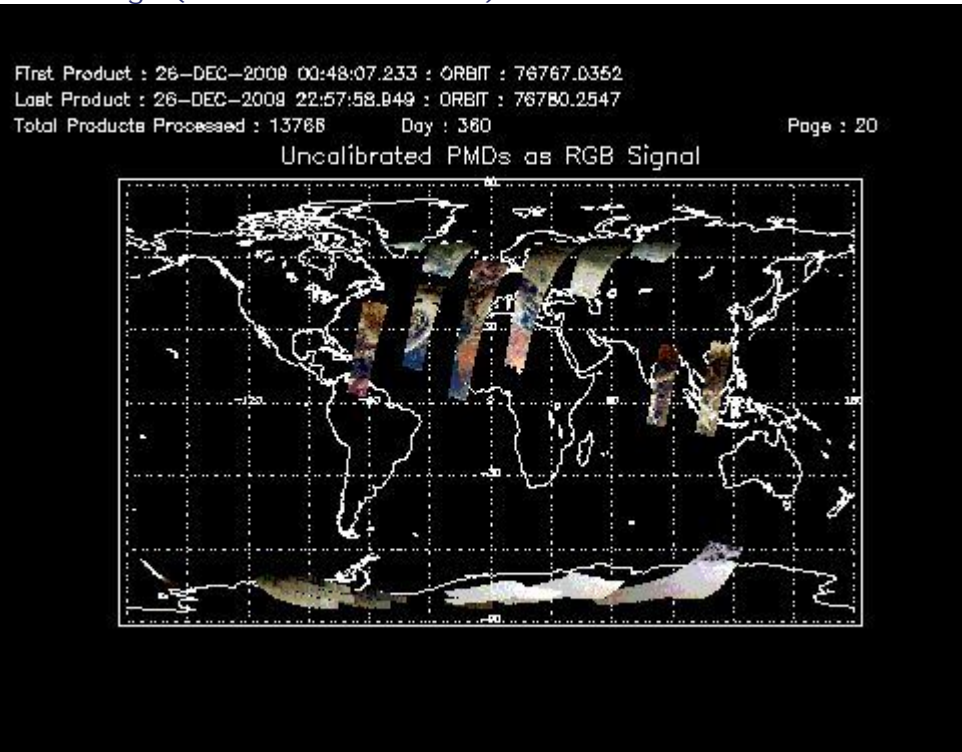
First Product : 26-DEC-2008 00:48:07.233 : ORBIT : 76767.0352  
 Last Product : 26-DEC-2008 22:57:58.849 : ORBIT : 76780.2547  
 Total Products Processed : 13768 Day : 360

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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	11:18:42.620	--	76773	Yes	--	15852

#### 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
--	--	--	--	--

### 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
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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