

# GOME Daily Report

## INDEX

1. [General Info](#)
  - 1.1 [Report Summary](#)
  - 1.2 [List of received products](#)
  - 1.3 [List of data gaps](#)
  - 1.4 [List of missing products](#)
  - 1.5 [List of corrupted products](#)
2. [Instrument Indicators and Daily Plots](#)
  - 2.1 [Instrument Indicators Status](#)
  - 2.2 [Daily Plots](#)
3. [Instrument Calibration](#)
  - 3.1 [Solar Calibration \(daily/TST44\)](#)
  - 3.2 [Lamp Calibration \(quarterly/TST44\)](#)
4. [Instrument Anomalies](#)
  - 4.1 [Single Event Upset \(SEU\)](#)
  - 4.2 [Instrument Off](#)
  - 4.3 [Cooler Switchings](#)
5. [Instrument Operations](#)
  - 5.1 [Timeline Interruptions](#)
  - 5.2 [TST44](#)
  - 5.3 [Power Cycle](#)
  - 5.4 [Wrong Command Execution](#)
  - 5.5 [Narrow Swath Timeline](#)
  - 5.6 [Seasonal Operations](#)

## 1 - General Info

### 1.1 - Report Summary

Item	Value
Report Version	GOMEver3_3
Report of Day	15-DEC-2009
Start Time of First Product	23:51:40 (14-Dec)
Stop Time of Last Product	23:44:00
Number of EGOI Products analysed	31
Number of corrupted products	--
Anomalies and/or Special Operations	<span style="color: red;">Narrow Swath continued from previous day, stop orbit: 76617</span>

### 1.2 - List of received products

Name	Date	Time
OI_091215BEEP1400.E2;1	15-DEC-2009	03:44:16.423
EGOI_091215CMEP5654.E2	15-DEC-2009	03:12:16.223
EGOI_091215CMEP5661.E2	15-DEC-2009	04:53:46.854
EGOI_091215CMEP5669.E2	15-DEC-2009	15:36:01.330
EGOI_091215CMEP5677.E2	15-DEC-2009	17:15:31.951
EGOI_091215GSEP5299.E2	15-DEC-2009	01:39:02.148
EGOI_091215GSEP5327.E2	15-DEC-2009	03:17:23.755
EGOI_091215GSEP5337.E2	15-DEC-2009	05:00:16.898
EGOI_091215HLEP4622.E2	15-DEC-2009	22:39:24.961

EGOI_091215KSEP7478.E2	15-DEC-2009	06:58:55.130
EGOI_091215KSEP7501.E2	15-DEC-2009	08:38:54.250
EGOI_091215KSEP7525.E2	15-DEC-2009	10:18:33.865
EGOI_091215KSEP7550.E2	15-DEC-2009	11:58:05.985
EGOI_091215KSEP7572.E2	15-DEC-2009	13:37:03.601
EGOI_091215KSEP7599.E2	15-DEC-2009	15:15:41.709
EGOI_091215KSEP7613.E2	15-DEC-2009	16:53:10.809
EGOI_091215KSEP7647.E2	15-DEC-2009	18:31:03.921
EGOI_091215KSEP7678.E2	15-DEC-2009	20:09:52.530
EGOI_091215KSEP7705.E2	15-DEC-2009	21:50:57.658
EGOI_091215KSEP7728.E2	15-DEC-2009	23:34:28.301
EGOI_091215MAEP6907.E2	15-DEC-2009	08:47:10.801
EGOI_091215MAEP6919.E2	15-DEC-2009	10:26:03.912
EGOI_091215MSEP7812.E2	14-DEC-2009	23:51:40.485
EGOI_091215MSEP7835.E2	15-DEC-2009	10:32:53.459
EGOI_091215MSEP7864.E2	15-DEC-2009	12:11:09.067
EGOI_091215MSEP7889.E2	15-DEC-2009	21:43:11.107
EGOI_091215MSEP7921.E2	15-DEC-2009	23:20:01.211
EGOI_091215SGEP2137.E2	15-DEC-2009	02:17:20.387
EGOI_091215SGEP2143.E2	15-DEC-2009	03:54:43.490
EGOI_091215SGEP2153.E2	15-DEC-2009	14:52:56.564
EGOI_091215SGEP2161.E2	15-DEC-2009	16:31:07.672

[ [BACK TO MENU](#) ]

### 1.3 - List of data gaps

Station	Orbit	Date	Start Time	Stop Time	Duration (s)
KS	76613	15-DEC-2009	06:57:06.401	06:58:55.129	108.72800
KS	76614	15-DEC-2009	08:36:31.720	08:38:54.250	142.53000
KS	76615	15-DEC-2009	10:16:09.375	10:18:33.864	144.48900
KS	76616	15-DEC-2009	11:55:37.482	11:58:05.985	148.50300
KS	76617	15-DEC-2009	13:34:37.911	13:37:03.600	145.68900
KS	76618	15-DEC-2009	15:12:59.914	15:15:41.708	161.79400
KS	76619	15-DEC-2009	16:50:36.956	16:53:10.808	153.85200
KS	76620	15-DEC-2009	18:28:38.848	18:31:03.921	145.07300
KS	76621	15-DEC-2009	20:07:54.184	20:09:52.529	118.34500
KS	76622	15-DEC-2009	21:49:03.397	21:50:57.657	114.26000
KS	76623	15-DEC-2009	23:32:55.203	23:34:28.301	93.098000
GS	76610	15-DEC-2009	01:37:20.529	01:39:02.148	101.61900
GS	76611	15-DEC-2009	03:15:33.457	03:17:23.755	110.29800
MS	76609	14-DEC-2009	23:49:28.186	23:51:40.485	132.29900
MS	76615	15-DEC-2009	10:30:22.545	10:32:53.458	150.91300

MS	76616	15-DEC-2009	12:08:38.371	12:11:09.066	150.69500
MS	76623	15-DEC-2009	23:17:46.112	23:20:01.211	135.09900
MA	76614	15-DEC-2009	08:45:29.592	08:47:10.801	101.20900
MA	76615	15-DEC-2009	10:24:11.881	10:26:03.911	112.03000
BE	76611	15-DEC-2009	03:41:38.071	03:44:16.422	158.35100
SG	76610	15-DEC-2009	02:15:24.255	02:17:20.387	116.13200
SG	76611	15-DEC-2009	03:52:35.741	03:54:43.489	127.74800
SG	76617	15-DEC-2009	14:48:28.301	14:52:56.563	268.26200
SG	76618	15-DEC-2009	16:28:26.543	16:31:07.671	161.12800
CM	76611	15-DEC-2009	03:10:49.351	03:12:16.223	86.872000
CM	76618	15-DEC-2009	15:34:29.264	15:36:01.330	92.066000
CM	76619	15-DEC-2009	17:13:23.630	17:15:31.951	128.32100

[ [BACK TO MENU](#) ]

#### 1.4 - List of missing products

Station	Orbit	Date	Start Time	Stop Time	Duration (s)
HO	76609	15-DEC-2009	00:43:42.225	00:57:48.117	845.89200
MM	76609	15-DEC-2009	00:55:31.354	01:06:06.558	635.20400
KS	76609	15-DEC-2009	00:06:32.955	00:11:21.466	288.51100
BE	76610	15-DEC-2009	02:02:35.519	02:14:31.740	716.22100
MM	76610	15-DEC-2009	02:38:07.093	02:46:30.007	502.91400
MM	76611	15-DEC-2009	04:21:12.490	04:27:26.171	373.68100
MI	76611	15-DEC-2009	03:10:41.159	03:23:54.022	792.86300
MM	76612	15-DEC-2009	06:03:31.975	06:09:34.945	362.97000
MI	76612	15-DEC-2009	04:52:27.528	05:01:14.092	526.56400
MM	76613	15-DEC-2009	07:44:35.107	07:52:39.254	484.14700
JO	76613	15-DEC-2009	07:22:38.811	07:36:18.343	819.53200
MM	76614	15-DEC-2009	09:25:01.105	09:35:21.341	620.23600
JO	76614	15-DEC-2009	09:01:39.754	09:15:38.795	839.04100
MM	76615	15-DEC-2009	11:05:10.028	11:17:03.827	713.79900
MM	76616	15-DEC-2009	12:45:05.517	12:57:42.522	757.00500
HO	76617	15-DEC-2009	14:33:55.631	14:45:36.025	700.39400
MM	76617	15-DEC-2009	14:24:46.362	14:37:29.484	763.12200
BE	76618	15-DEC-2009	14:58:46.462	15:11:09.040	742.57800
MM	76618	15-DEC-2009	16:04:10.921	16:16:45.558	754.63700
MI	76618	15-DEC-2009	15:30:54.863	15:43:52.259	777.39600

GS	76618	15-DEC-2009	15:24:54.198	15:38:30.880	816.68200
MM	76619	15-DEC-2009	17:43:21.821	17:55:53.884	752.06300
MI	76619	15-DEC-2009	17:11:08.523	17:21:33.746	625.22300
GS	76619	15-DEC-2009	17:04:33.904	17:17:09.633	755.72900
MM	76620	15-DEC-2009	19:22:31.518	19:35:11.379	759.86100
JO	76620	15-DEC-2009	19:42:42.852	19:55:36.291	773.43900
MM	76621	15-DEC-2009	21:02:01.752	21:14:44.878	763.12600
MA	76621	15-DEC-2009	20:00:52.235	20:14:14.278	802.04300
JO	76621	15-DEC-2009	21:21:19.263	21:35:45.002	865.73900
MM	76622	15-DEC-2009	22:42:15.395	22:54:34.120	738.72500
MA	76622	15-DEC-2009	21:40:35.865	21:53:13.993	758.12800

[ [BACK TO MENU](#) ]

## 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

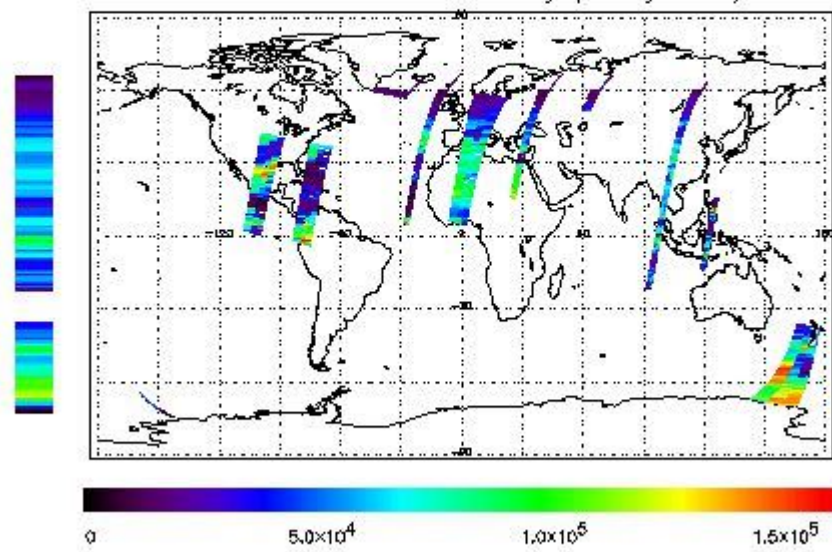
## 2.2 - Daily Plots

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 : 14-DEC-2009 23:51:40.485 : ORBIT : 76609.0170  
 Last Product : 15-DEC-2009 23:43:59.859 : ORBIT : 76623.2550  
 Total Products Processed : 15200 Day : 349 Page : 21

778 nm Uncalibrated Intensity (Binary Units)

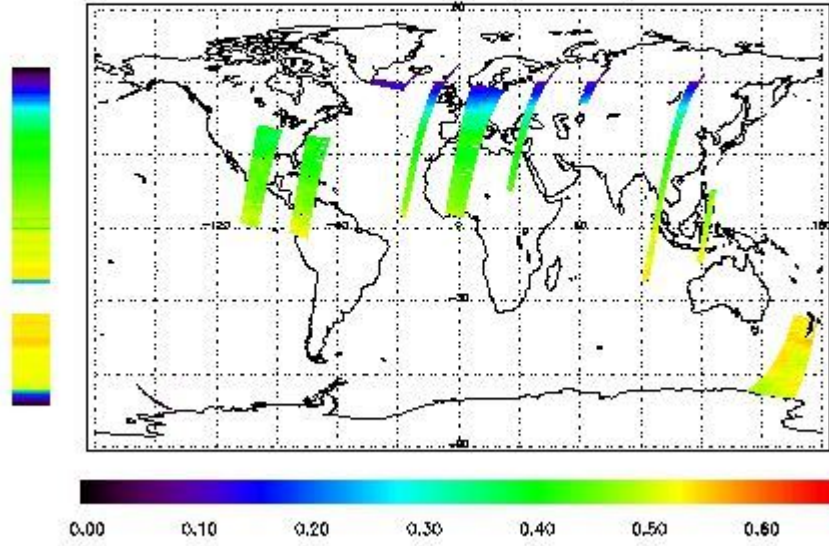


### Ozone Line Ratio

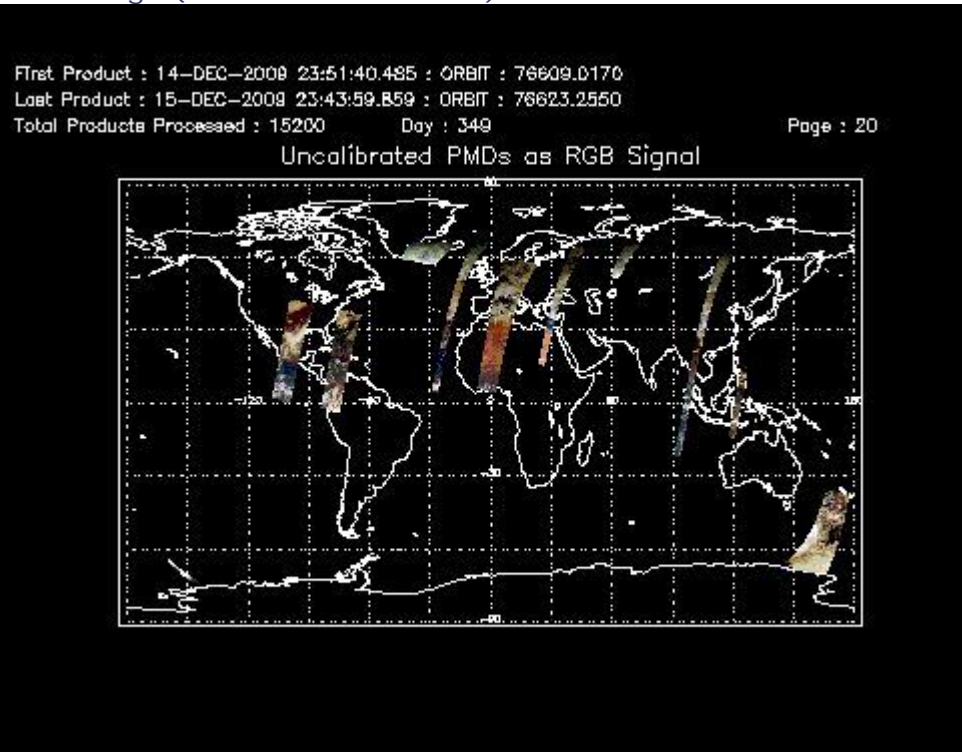
First Product : 14-DEC-2008 23:51:40.485 : ORBIT : 76609.0170  
 Last Product : 15-DEC-2008 23:43:59.859 : ORBIT : 76623.2550  
 Total Products Processed : 15200 Day : 349

Page : 20

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	10:24:05.400	--	76615	Yes	--	15840

#### 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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[ BACK TO MENU ]

## 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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[ BACK TO MENU ]

## 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
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### 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
14:00	13:00	76603	76617

## 5.6 - Seasonal Operations

Start Time	End Time	Start Orbit	End Orbit
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[ [BACK TO MENU](#) ]

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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