

# 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	14-NOV-2009
Start Time of First Product	01:14:47
Stop Time of Last Product	23:18:35
Number of EGOI Products analysed	32
Number of corrupted products	--
Anomalies and/or Special Operations	Narrow Swath performed as planned, start orbit 76174

### 1.2 - List of received products

Name	Date	Time
OI_091114BEEP1189.E2;1	14-NOV-2009	03:18:31.459
EGOI_091114GSEP2991.E2	14-NOV-2009	01:14:47.196
EGOI_091114GSEP3023.E2	14-NOV-2009	02:51:44.795
EGOI_091114GSEP3051.E2	14-NOV-2009	04:33:40.918
EGOI_091114GSEP3058.E2	14-NOV-2009	06:15:49.048
EGOI_091114KSEP8378.E2	14-NOV-2009	06:33:28.154
EGOI_091114KSEP8408.E2	14-NOV-2009	08:13:24.276
EGOI_091114KSEP8431.E2	14-NOV-2009	09:53:03.883
EGOI_091114KSEP8457.E2	14-NOV-2009	11:32:40.499

EGOI_091114KSEP8489.E2	14-NOV-2009	13:11:44.743
EGOI_091114KSEP8502.E2	14-NOV-2009	14:50:30.354
EGOI_091114KSEP8518.E2	14-NOV-2009	16:28:09.954
EGOI_091114KSEP8549.E2	14-NOV-2009	18:06:12.057
EGOI_091114KSEP8578.E2	14-NOV-2009	19:44:21.669
EGOI_091114KSEP8610.E2	14-NOV-2009	21:24:52.284
EGOI_091114KSEP8638.E2	14-NOV-2009	23:07:39.419
EGOI_091114MAEP5903.E2	14-NOV-2009	10:00:33.930
EGOI_091114MAEP5926.E2	14-NOV-2009	21:17:17.737
EGOI_091114MIEP4432.E2	14-NOV-2009	02:48:04.271
EGOI_091114MIEP4460.E2	14-NOV-2009	04:27:43.882
EGOI_091114MIEP4489.E2	14-NOV-2009	15:08:12.460
EGOI_091114MIEP4518.E2	14-NOV-2009	16:47:14.575
EGOI_091114MSEP4135.E2	14-NOV-2009	10:08:24.978
EGOI_091114MSEP4164.E2	14-NOV-2009	11:45:39.081
EGOI_091114MSEP4186.E2	14-NOV-2009	13:27:05.837
EGOI_091114MSEP4203.E2	14-NOV-2009	21:19:43.253
EGOI_091114MSEP4235.E2	14-NOV-2009	22:54:34.837
EGOI_091114SGEP1289.E2	14-NOV-2009	01:54:57.939
EGOI_091114SGEP1295.E2	14-NOV-2009	03:30:16.526
EGOI_091114SGEP1301.E2	14-NOV-2009	05:12:08.153
EGOI_091114SGEP1308.E2	14-NOV-2009	14:26:12.205
EGOI_091114SGEP1315.E2	14-NOV-2009	16:04:47.309

[ [BACK TO MENU](#) ]

### 1.3 - List of data gaps

Station	Orbit	Date	Start Time	Stop Time	Duration (s)
KS	76169	14-NOV-2009	06:31:41.552	06:33:28.153	106.60100
KS	76170	14-NOV-2009	08:10:55.269	08:13:24.276	149.00700
KS	76171	14-NOV-2009	09:50:32.504	09:53:03.883	151.37900
KS	76172	14-NOV-2009	11:30:04.683	11:32:40.499	155.81600
KS	76173	14-NOV-2009	13:09:14.132	13:11:44.743	150.61100
KS	76174	14-NOV-2009	14:47:54.577	14:50:30.354	155.77700
KS	76175	14-NOV-2009	16:25:34.473	16:28:09.954	155.48100
KS	76176	14-NOV-2009	18:03:21.503	18:06:12.056	170.55300
KS	76177	14-NOV-2009	19:42:13.408	19:44:21.669	128.26100
KS	76178	14-NOV-2009	21:22:49.747	21:24:52.283	122.53600
KS	76179	14-NOV-2009	23:05:52.106	23:07:39.419	107.31300
GS	76166	14-NOV-2009	01:12:49.775	01:14:47.196	117.42100
GS	76167	14-NOV-2009	02:49:53.101	02:51:44.794	111.69300
GS	76168	14-NOV-2009	04:31:44.539	04:33:40.917	116.37800

MS	76171	14-NOV-2009	10:06:04.972	10:08:24.977	140.00500
MS	76172	14-NOV-2009	11:43:00.114	11:45:39.080	158.96600
MS	76173	14-NOV-2009	13:24:37.356	13:27:05.837	148.48100
MS	76179	14-NOV-2009	22:52:17.540	22:54:34.837	137.29700
MA	76171	14-NOV-2009	09:58:34.949	10:00:33.929	118.98000
MA	76178	14-NOV-2009	21:14:32.646	21:17:17.737	165.09100
MI	76167	14-NOV-2009	02:45:41.313	02:48:04.270	142.95700
MI	76168	14-NOV-2009	04:25:23.750	04:27:43.881	140.13100
MI	76174	14-NOV-2009	15:05:55.411	15:08:12.459	137.04800
MI	76175	14-NOV-2009	16:44:54.305	16:47:14.575	140.27000
BE	76167	14-NOV-2009	03:15:55.647	03:18:31.459	155.81200
SG	76167	14-NOV-2009	03:26:54.319	03:30:16.526	202.20700
SG	76167	14-NOV-2009	03:34:18.049	03:40:47.489	389.44000
SG	76173	14-NOV-2009	14:23:59.301	14:26:12.205	132.90400
SG	76174	14-NOV-2009	16:02:02.614	16:04:47.309	164.69500

[ [BACK TO MENU](#) ]

#### 1.4 - List of missing products

Station	Orbit	Date	Start Time	Stop Time	Duration (s)
HO	76165	14-NOV-2009	00:17:43.767	00:32:21.927	878.16000
MM	76165	14-NOV-2009	00:29:18.004	00:40:20.540	662.53600
HO	76166	14-NOV-2009	02:01:23.661	02:09:30.571	486.91000
MM	76166	14-NOV-2009	02:11:39.297	02:20:39.063	539.76600
MM	76167	14-NOV-2009	03:54:42.806	04:01:23.728	400.92200
CM	76167	14-NOV-2009	02:47:04.415	02:54:14.444	430.02900
CM	76167	14-NOV-2009	04:23:24.815	04:35:36.945	732.13000
BE	76168	14-NOV-2009	04:57:01.578	05:04:59.168	477.59000
MM	76168	14-NOV-2009	05:37:21.540	05:43:10.768	349.22800
MM	76169	14-NOV-2009	07:18:41.021	07:26:08.467	447.44600
JO	76169	14-NOV-2009	06:58:14.379	07:10:06.652	712.27300
MM	76170	14-NOV-2009	08:59:13.570	09:09:01.773	588.20300
MA	76170	14-NOV-2009	08:20:07.086	08:31:15.593	668.50700
JO	76170	14-NOV-2009	08:35:37.772	08:50:27.894	890.12200
MM	76171	14-NOV-2009	10:39:26.162	10:51:00.909	694.74700
HO	76172	14-NOV-2009	12:28:22.884	12:42:52.449	869.56500
MM	76172	14-NOV-2009	12:19:25.141	12:31:55.337	750.19600

MA	76172	14-NOV-2009	11:40:00.577	11:46:53.140	412.56300
HO	76173	14-NOV-2009	14:07:57.006	14:21:12.621	795.61500
MM	76173	14-NOV-2009	13:59:09.944	14:11:53.868	763.92400
BE	76174	14-NOV-2009	14:32:41.448	14:45:52.163	790.71500
MM	76174	14-NOV-2009	15:38:38.724	15:51:15.623	756.89900
GS	76174	14-NOV-2009	14:59:34.223	15:12:23.780	769.55700
CM	76174	14-NOV-2009	15:10:31.854	15:17:36.436	424.58200
MM	76175	14-NOV-2009	17:17:52.393	17:30:23.935	751.54200
GS	76175	14-NOV-2009	16:38:47.541	16:52:12.673	805.13200
CM	76175	14-NOV-2009	16:47:23.223	16:59:31.459	728.23600
MM	76176	14-NOV-2009	18:57:00.608	19:09:38.037	757.42900
GS	76176	14-NOV-2009	18:19:53.672	18:27:14.799	441.12700
JO	76176	14-NOV-2009	19:18:19.646	19:28:33.284	613.63800
MM	76177	14-NOV-2009	20:36:23.246	20:49:07.249	764.00300
MA	76177	14-NOV-2009	19:36:04.545	19:48:01.386	716.84100
JO	76177	14-NOV-2009	20:55:35.771	21:10:34.490	898.71900
HO	76178	14-NOV-2009	22:09:58.010	22:20:56.318	658.30800
MM	76178	14-NOV-2009	22:16:23.816	22:28:52.656	748.84000
JO	76178	14-NOV-2009	22:37:32.162	22:45:33.096	480.93400
HO	76179	14-NOV-2009	23:46:41.146	00:01:06.907	865.76100
MM	76179	14-NOV-2009	23:57:20.931	00:08:52.221	691.29000

[ [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

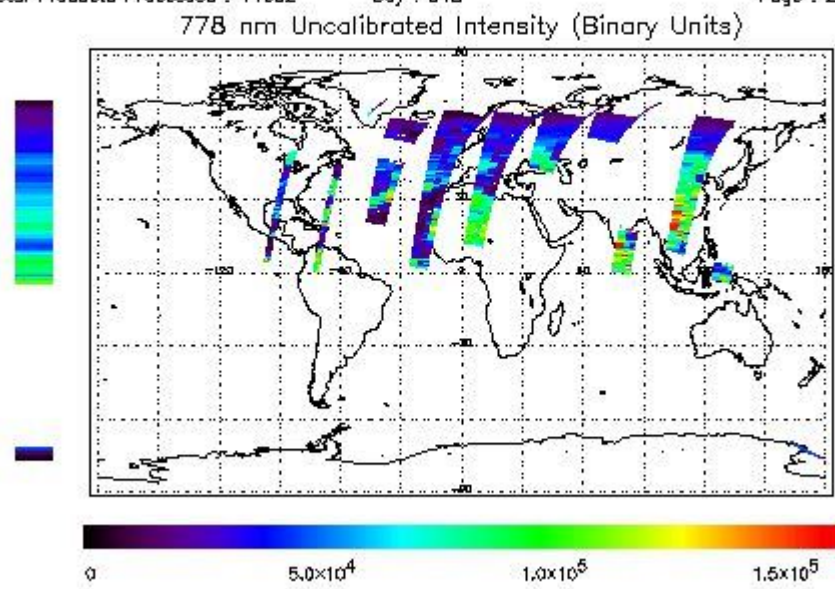
Integration Times Band 3	OK
Integration Times Band 4	OK
Scan Mirror position	OK
Polarization Detectors	OK
FPA Temperatures A	OK
FPA Temperatures B	OK
Charge Amp Temperatures	OK
Other Temperatures A	OK
DDHU Temperatures	OK
Optical Bench Temperatures	OK
Other Temperatures B	OK
Calibration Lamp and Instr. 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-NOV-2009 01:14:47.196 : ORBIT : 76166.1003  
 Last Product : 14-NOV-2009 23:18:34.985 : ORBIT : 76179.2595  
 Total Products Processed : 14632 Day : 318 Page : 21



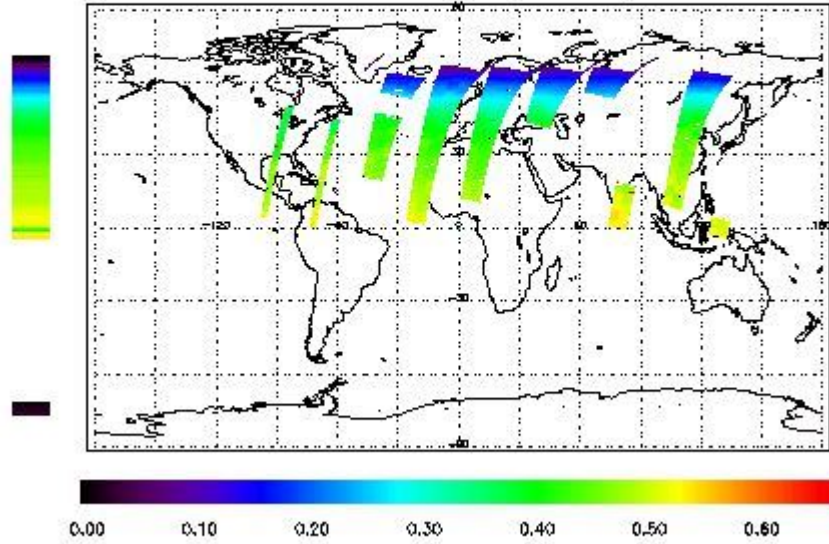
### Ozone Line Ratio



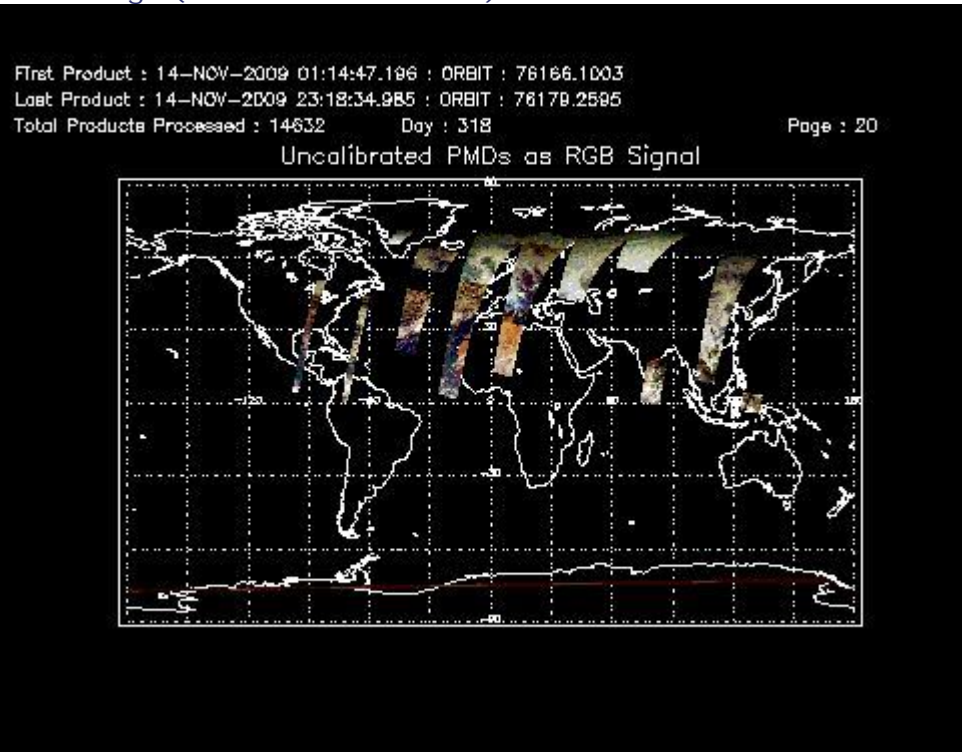
First Product : 14-NOV-2009 01:14:47.196 : ORBIT : 76166.1003  
 Last Product : 14-NOV-2009 23:18:34.985 : ORBIT : 76179.2595  
 Total Products Processed : 14632 Day : 318

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	13:18:05.780	--	76173	Yes	--	15623

#### 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)
--	--	--	--	--	--	--	--

[ [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
--	--	--	--	--	--

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

[ [BACK TO MENU](#) ]

## 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
14:30	--	76174	--

## 5.6 - Seasonal Operations

Start Time	End Time	Start Orbit	End Orbit
--	--	--	--

[ [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