

# 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	23-NOV-2010
Start Time of First Product	00:12:15
Stop Time of Last Product	23:53:35
Number of EGOI Products analysed	31
Number of corrupted products	--
Anomalies and/or Special Operations	Nominal Data

### 1.2 - List of received products

Name	Date	Time
EGOI_101123CMEP1988.E2	23-NOV-2010	03:31:19.605
EGOI_101123CMEP1997.E2	23-NOV-2010	05:11:50.220
EGOI_101123CMEP2007.E2	23-NOV-2010	15:55:30.206
EGOI_101123CMEP2016.E2	23-NOV-2010	17:35:26.320
EGOI_101123KSEP2241.E2	23-NOV-2010	07:18:57.010
EGOI_101123KSEP2260.E2	23-NOV-2010	08:58:56.126
EGOI_101123KSEP2283.E2	23-NOV-2010	10:38:35.742
EGOI_101123KSEP2313.E2	23-NOV-2010	12:17:58.857
EGOI_101123KSEP2340.E2	23-NOV-2010	13:56:57.969

EGOI_101123KSEP2367.E2	23-NOV-2010	15:34:58.576
EGOI_101123KSEP2395.E2	23-NOV-2010	17:12:47.188
EGOI_101123KSEP2425.E2	23-NOV-2010	18:50:47.788
EGOI_101123KSEP2456.E2	23-NOV-2010	20:30:03.404
EGOI_101123KSEP2484.E2	23-NOV-2010	22:11:41.539
EGOI_101123MAEP0035.E2	23-NOV-2010	09:06:09.669
EGOI_101123MAEP0052.E2	23-NOV-2010	10:45:41.788
EGOI_101123MIEP5910.E2	23-NOV-2010	01:57:11.522
EGOI_101123MIEP5937.E2	23-NOV-2010	03:33:07.613
EGOI_101123MIEP5957.E2	23-NOV-2010	05:16:45.751
EGOI_101123MIEP5969.E2	23-NOV-2010	14:18:41.602
EGOI_101123MIEP5978.E2	23-NOV-2010	15:52:57.190
EGOI_101123MIEP5991.E2	23-NOV-2010	17:34:14.313
EGOI_101123MSEP7489.E2	23-NOV-2010	00:12:15.370
EGOI_101123MSEP7518.E2	23-NOV-2010	10:52:11.824
EGOI_101123MSEP7542.E2	23-NOV-2010	12:31:21.444
EGOI_101123MSEP7570.E2	23-NOV-2010	22:01:42.976
EGOI_101123MSEP7600.E2	23-NOV-2010	23:40:09.089
EGOI_101123SGEP9610.E2	23-NOV-2010	02:40:43.292
EGOI_101123SGEP9615.E2	23-NOV-2010	04:19:27.399
EGOI_101123SGEP9623.E2	23-NOV-2010	15:10:31.428
EGOI_101123SGEP9629.E2	23-NOV-2010	16:52:24.558

[ [BACK TO MENU](#) ]

### 1.3 - List of data gaps

Station	Orbit	Date	Start Time	Stop Time	Duration (s)
KS	81523	23-NOV-2010	07:16:56.444	07:18:57.010	120.56600
KS	81524	23-NOV-2010	08:56:27.191	08:58:56.125	148.93400
KS	81525	23-NOV-2010	10:36:04.298	10:38:35.741	151.44300
KS	81526	23-NOV-2010	12:15:28.424	12:17:58.856	150.43200
KS	81527	23-NOV-2010	13:54:22.760	13:56:57.969	155.20900
KS	81528	23-NOV-2010	15:32:27.910	15:34:58.575	150.66500
KS	81529	23-NOV-2010	17:10:11.824	17:12:47.188	155.36400
KS	81530	23-NOV-2010	18:48:22.593	18:50:47.787	145.19400
KS	81531	23-NOV-2010	20:27:57.733	20:30:03.403	125.67000
KS	81532	23-NOV-2010	22:09:34.439	22:11:41.539	127.10000
KS	81533	23-NOV-2010	23:54:12.980	23:56:30.183	137.20300
MS	81519	23-NOV-2010	00:10:01.881	00:12:15.370	133.48900
MS	81525	23-NOV-2010	10:49:36.089	10:52:11.824	155.73500
MS	81526	23-NOV-2010	12:28:44.394	12:31:21.443	157.04900
MS	81532	23-NOV-2010	21:59:54.647	22:01:42.975	108.32800

MS	81533	23-NOV-2010	23:37:51.891	23:40:09.088	137.19700
MA	81525	23-NOV-2010	10:44:09.313	10:45:41.787	92.474000
MI	81520	23-NOV-2010	01:54:59.949	01:57:11.522	131.57300
MI	81521	23-NOV-2010	03:30:25.779	03:33:07.613	161.83400
MI	81522	23-NOV-2010	05:14:50.828	05:16:45.750	114.92200
MI	81528	23-NOV-2010	15:50:36.074	15:52:57.189	141.11500
MI	81528	23-NOV-2010	16:01:54.243	16:03:57.129	122.88600
MI	81529	23-NOV-2010	17:31:58.110	17:34:14.313	136.20300
MI	81529	23-NOV-2010	17:38:51.840	17:39:59.876	68.036000
SG	81520	23-NOV-2010	02:34:07.149	02:40:43.292	396.14300
SG	81521	23-NOV-2010	04:12:53.024	04:19:27.398	394.37400
SG	81527	23-NOV-2010	15:07:55.120	15:10:31.427	156.30700
SG	81528	23-NOV-2010	16:49:34.408	16:52:24.558	170.15000
CM	81521	23-NOV-2010	05:10:20.860	05:11:50.220	89.360000
CM	81528	23-NOV-2010	15:53:44.696	15:55:30.206	105.51000
CM	81529	23-NOV-2010	17:33:59.123	17:35:26.320	87.197000

[ [BACK TO MENU](#) ]

#### 1.4 - List of missing products

Station	Orbit	Date	Start Time	Stop Time	Duration (s)
HO	81519	23-NOV-2010	01:04:05.915	01:17:23.608	797.69300
MM	81519	23-NOV-2010	01:15:58.000	01:26:09.720	611.72000
BE	81520	23-NOV-2010	02:22:10.150	02:34:58.121	767.97100
MM	81520	23-NOV-2010	02:58:43.656	03:06:37.639	473.98300
GS	81520	23-NOV-2010	01:56:38.007	02:09:36.414	778.40700
CM	81520	23-NOV-2010	03:29:55.332	03:41:30.924	695.59200
BE	81521	23-NOV-2010	04:01:44.171	04:13:48.624	724.45300
MM	81521	23-NOV-2010	04:41:46.741	04:47:44.892	358.15100
GS	81521	23-NOV-2010	03:35:44.444	03:49:05.985	801.54100
MM	81522	23-NOV-2010	06:23:49.566	06:30:10.002	380.43600
MM	81523	23-NOV-2010	08:04:42.250	08:13:15.331	513.08100
JO	81523	23-NOV-2010	07:41:58.242	07:56:28.010	869.76800
MM	81524	23-NOV-2010	09:45:04.009	09:55:47.066	643.05700
JO	81524	23-NOV-2010	09:22:15.035	09:34:58.981	763.94600
HO	81525	23-NOV-2010	11:35:04.123	11:47:07.812	723.68900
MM	81525	23-NOV-2010	11:25:10.210	11:37:16.452	726.24200

HO	81526	23-NOV-2010	13:13:35.146	13:28:24.496	889.35000
MM	81526	23-NOV-2010	13:05:02.920	13:17:43.473	760.55300
HO	81527	23-NOV-2010	14:54:14.777	15:03:43.308	568.53100
MM	81527	23-NOV-2010	14:44:40.604	14:57:22.413	761.80900
GS	81527	23-NOV-2010	14:06:59.372	14:15:41.861	522.48900
SG	81527	23-NOV-2010	15:07:55.120	15:21:35.690	820.57000
BE	81528	23-NOV-2010	15:19:22.552	15:30:37.712	675.16000
MM	81528	23-NOV-2010	16:24:01.954	16:36:35.156	753.20200
GS	81528	23-NOV-2010	15:44:42.445	15:58:35.864	833.41900
MM	81529	23-NOV-2010	18:03:11.266	18:15:44.299	753.03300
GS	81529	23-NOV-2010	17:24:41.281	17:36:21.229	699.94800
MM	81530	23-NOV-2010	19:42:23.149	19:55:04.736	761.58700
MA	81530	23-NOV-2010	18:47:33.291	18:51:43.397	250.10600
JO	81530	23-NOV-2010	20:02:04.652	20:16:09.474	844.82200
MM	81531	23-NOV-2010	21:22:00.360	21:34:41.538	761.17800
MA	81531	23-NOV-2010	20:20:22.744	20:34:10.038	827.29400
JO	81531	23-NOV-2010	21:41:29.920	21:55:02.789	812.86900
HO	81532	23-NOV-2010	22:53:39.238	23:06:53.993	794.75500
MM	81532	23-NOV-2010	23:02:24.954	23:14:33.667	728.71300
MA	81532	23-NOV-2010	22:01:51.333	22:12:40.137	648.80400

[\[ BACK TO MENU \]](#)

## 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

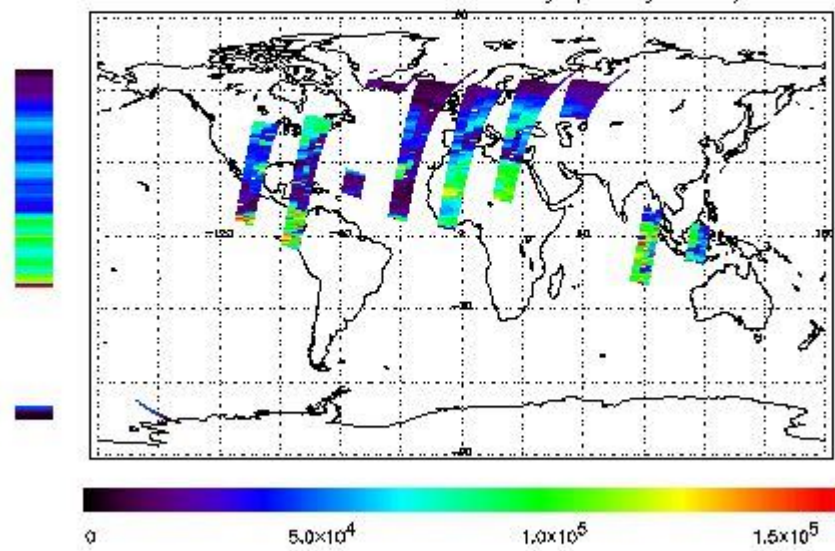
## 2.2 - Daily Plots

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 : 23-NOV-2010 00:12:15.370 : ORBIT : 81519.0216  
 Last Product : 23-NOV-2010 23:53:34.671 : ORBIT : 81533.1502  
 Total Products Processed : 13761 Day : 327 Page : 21

778 nm Uncalibrated Intensity (Binary Units)



### Ozone Line Ratio

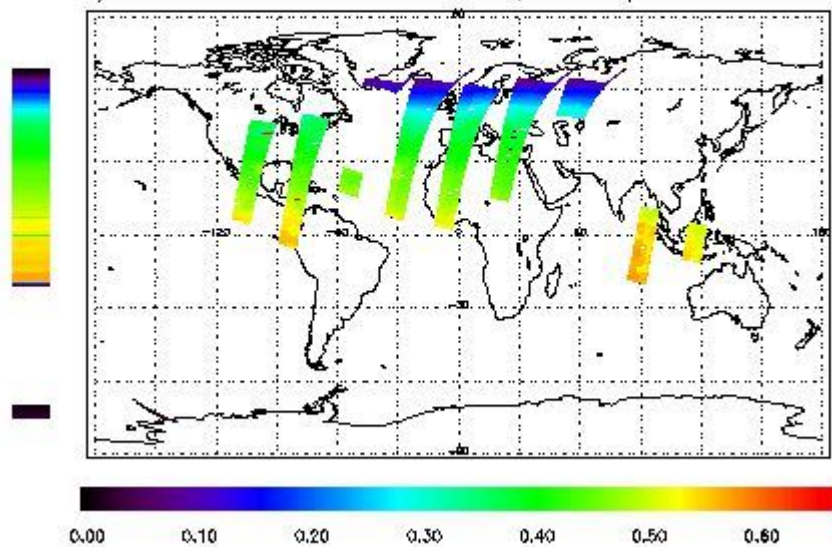
First Product : 23-NOV-2010 00:12:15.370 : ORBIT : 81519.0216

Last Product : 23-NOV-2010 23:53:34.671 : ORBIT : 81533.1502

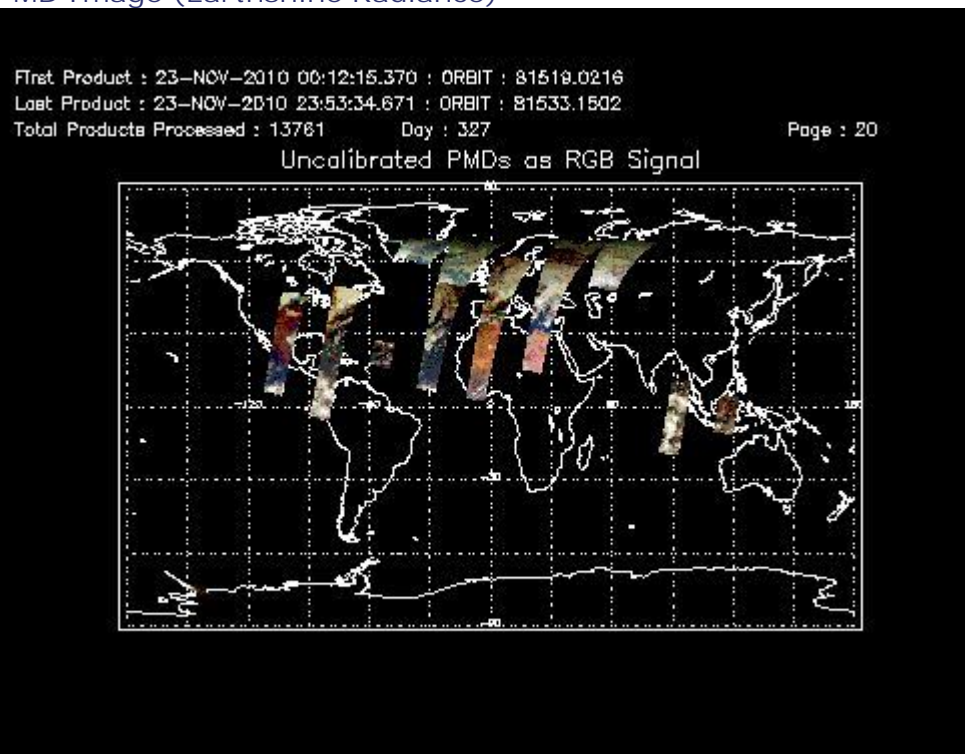
Total Products Processed : 13761 Day : 327

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	10:43:31.277	--	81525	Yes	--	15681

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

### 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
--	--	--	--

## 5.6 - Seasonal Operations

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

[ [BACK TO MENU](#) ]

---

(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