

# 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	06-APR-2011
Start Time of First Product	00:23:42
Stop Time of Last Product	22:33:43
Number of EGOI Products analysed	31
Number of corrupted products	1
Anomalies and/or Special Operations	Nominal Data

### 1.2 - List of received products

Name	Date	Time
EGOI_110406CMEP5489.E2	06-APR-2011	03:41:47.867
EGOI_110406CMEP5496.E2	06-APR-2011	05:22:49.984
EGOI_110406CMEP5503.E2	06-APR-2011	16:04:46.421
EGOI_110406CMEP5515.E2	06-APR-2011	17:45:15.537
EGOI_110406GSEP9213.E2	06-APR-2011	00:34:06.217
EGOI_110406GSEP9235.E2	06-APR-2011	02:09:15.797
EGOI_110406GSEP9259.E2	06-APR-2011	03:48:40.410
EGOI_110406GSEP9269.E2	06-APR-2011	05:31:11.040
EGOI_110406KSEP3042.E2	06-APR-2011	07:29:11.762

EGOI_110406KSEP3071.E2	06-APR-2011	09:09:13.873
EGOI_110406KSEP3094.E2	06-APR-2011	10:48:48.983
EGOI_110406KSEP3120.E2	06-APR-2011	12:28:00.091
EGOI_110406KSEP3137.E2	06-APR-2011	14:06:51.697
EGOI_110406KSEP3159.E2	06-APR-2011	15:44:37.296
EGOI_110406KSEP3173.E2	06-APR-2011	17:22:22.895
EGOI_110406KSEP3189.E2	06-APR-2011	19:00:02.498
EGOI_110406KSEP3209.E2	06-APR-2011	20:39:39.109
EGOI_110406KSEP3230.E2	06-APR-2011	22:21:09.732
EGOI_110406MAEP4887.E2	06-APR-2011	10:55:59.529
EGOI_110406MAEP4898.E2	06-APR-2011	22:18:00.712
EGOI_110406MIEP8093.E2	06-APR-2011	02:06:36.781
EGOI_110406MIEP8114.E2	06-APR-2011	03:43:25.379
EGOI_110406MIEP8133.E2	06-APR-2011	14:26:15.815
EGOI_110406MIEP8160.E2	06-APR-2011	16:02:26.905
EGOI_110406MIEP8184.E2	06-APR-2011	17:44:00.530
EGOI_110406MSEP3030.E2	06-APR-2011	00:23:42.150
EGOI_110406MSEP3056.E2	06-APR-2011	11:02:02.568
EGOI_110406MSEP3084.E2	06-APR-2011	12:41:22.677
EGOI_110406MSEP3101.E2	06-APR-2011	22:10:56.173
EGOI_110406SGEP2585.E2	06-APR-2011	04:26:00.133
EGOI_110406SGEP2591.E2	06-APR-2011	17:03:00.278

[ [BACK TO MENU](#) ]

### 1.3 - List of data gaps

Station	Orbit	Date	Start Time	Stop Time	Duration (s)
---------	-------	------	------------	-----------	--------------

[ [BACK TO MENU](#) ]

### 1.4 - List of missing products

Station	Orbit	Date	Start Time	Stop Time	Duration (s)
HO	83437	06-APR-2011	00:52:26.336	01:06:12.445	826.10900
MM	83437	06-APR-2011	01:04:16.753	01:14:42.121	625.36800
KS	83437	06-APR-2011	00:15:56.865	00:19:32.905	216.04000
BE	83438	06-APR-2011	02:10:57.739	02:23:19.358	741.61900
MM	83438	06-APR-2011	02:46:56.909	02:55:07.406	490.49700
SG	83438	06-APR-2011	02:23:20.997	02:34:05.790	644.79300
BE	83439	06-APR-2011	03:50:14.236	04:02:46.707	752.47100
MM	83439	06-APR-2011	04:30:01.745	04:36:08.077	366.33200
MM	83440	06-APR-2011	06:12:14.188	06:18:23.998	369.81000
MI	83440	06-APR-2011	05:01:47.051	05:09:04.101	437.05000
MM	83441	06-APR-2011	07:53:12.608	08:01:29.165	496.55700

JO	83441	06-APR-2011	07:30:53.769	07:44:57.940	844.17100
MM	83442	06-APR-2011	09:33:36.711	09:44:06.964	630.25300
MA	83442	06-APR-2011	08:54:11.254	09:06:36.103	744.84900
JO	83442	06-APR-2011	09:10:26.655	09:23:57.946	811.29100
HO	83443	06-APR-2011	11:24:03.950	11:35:02.762	658.81200
MM	83443	06-APR-2011	11:13:44.459	11:25:43.839	719.38000
HO	83444	06-APR-2011	13:02:13.509	13:17:02.598	889.08900
MM	83444	06-APR-2011	12:53:38.763	13:06:17.464	758.70100
HO	83445	06-APR-2011	14:42:36.690	14:53:07.056	630.36600
MM	83445	06-APR-2011	14:33:18.263	14:46:00.881	762.61800
GS	83445	06-APR-2011	13:56:17.565	14:03:15.777	418.21200
SG	83445	06-APR-2011	14:56:46.183	15:10:05.589	799.40600
BE	83446	06-APR-2011	15:07:33.919	15:19:31.357	717.43800
MM	83446	06-APR-2011	16:12:41.435	16:25:15.413	753.97800
GS	83446	06-APR-2011	15:33:22.886	15:47:08.695	825.80900
SG	83446	06-APR-2011	16:37:24.530	16:47:39.550	615.02000
MM	83447	06-APR-2011	17:51:51.584	18:04:24.008	752.42400
GS	83447	06-APR-2011	17:13:10.802	17:25:24.603	733.80100
MM	83448	06-APR-2011	19:31:02.106	19:43:42.737	760.63100
JO	83448	06-APR-2011	19:50:58.882	20:04:27.263	808.38100
MM	83449	06-APR-2011	21:10:35.218	21:23:17.656	762.43800
MA	83449	06-APR-2011	20:09:12.498	20:22:50.443	817.94500
JO					

[ [BACK TO MENU](#) ]

## 1.5 - List of corrupted products

Station	Orbit	Time
MI	83439	03:47:59.906
MI	83439	03:49:59.917

## 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

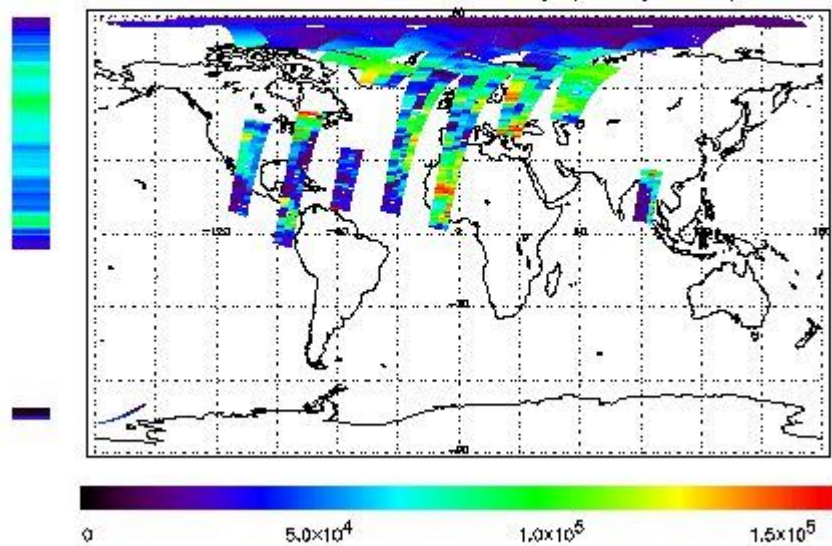
## 2.2 - Daily Plots

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 : 06-APR-2011 00:23:42.150 : ORBIT : 83437.2496  
 Last Product : 06-APR-2011 22:33:42.810 : ORBIT : 83450.4706  
 Total Products Processed : 14162 Day : 96 Page : 21

778 nm Uncalibrated Intensity (Binary Units)

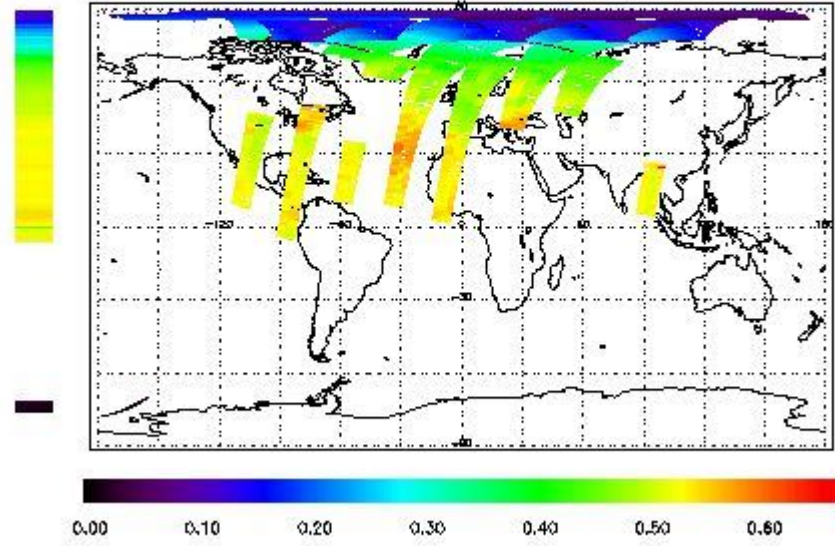


## Ozone Line Ratio

First Product : 06-APR-2011 00:23:42.150 : ORBIT : 83437.2496  
 Last Product : 06-APR-2011 22:33:42.810 : ORBIT : 83450.4706  
 Total Products Processed : 14162 Day : 98

Page : 20

331/313 nm Uncalibrated Line Ratio, SZA Dependence Removed

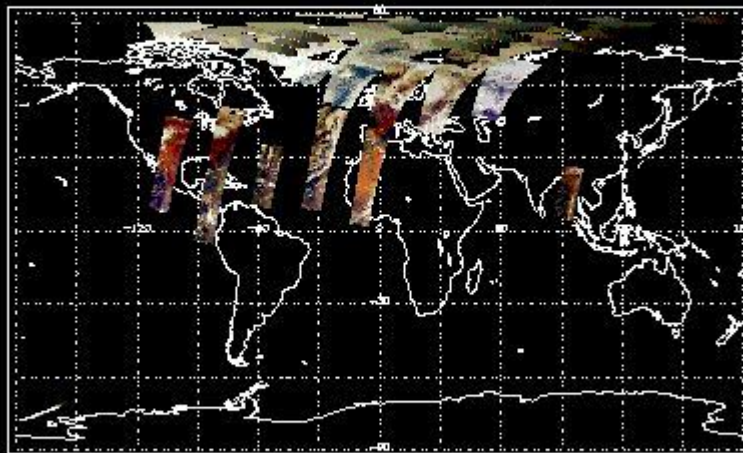


## PMD Image (Earthshine Radiance)

First Product : 06-APR-2011 00:23:42.150 : ORBIT : 83437.2496  
 Last Product : 06-APR-2011 22:33:42.810 : ORBIT : 83450.4706  
 Total Products Processed : 14162 Day : 98

Page : 20

Uncalibrated PMDs as RGB Signal



## 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	19:07:53.545	--	83448	Yes	--	15209

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

--	--	--	--	--	--	--	--
----	----	----	----	----	----	----	----

(1)

[ [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