

# 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	11-MAR-2010
Start Time of First Product	23:48:24 (10-Mar)
Stop Time of Last Product	23:40:46
Number of EGOI Products analysed	36
Number of corrupted products	1
Anomalies and/or Special Operations	Nominal Data

### 1.2 - List of received products

Name	Date	Time
EGOI_100311BEEP2114.E2	11-MAR-2010	03:41:20.397
EGOI_100311GSEP1482.E2	11-MAR-2010	01:36:03.129
EGOI_100311GSEP1514.E2	11-MAR-2010	03:14:06.733
EGOI_100311GSEP1524.E2	11-MAR-2010	04:57:02.865
EGOI_100311HLEP5259.E2	11-MAR-2010	14:39:12.439
EGOI_100311KSEP1386.E2	11-MAR-2010	00:04:49.073
EGOI_100311KSEP1402.E2	11-MAR-2010	06:55:41.097
EGOI_100311KSEP1423.E2	11-MAR-2010	08:35:38.708
EGOI_100311KSEP1448.E2	11-MAR-2010	10:15:18.316

EGOI_100311KSEP1473.E2	11-MAR-2010	11:54:50.427
EGOI_100311KSEP1483.E2	11-MAR-2010	13:33:48.034
EGOI_100311KSEP1495.E2	11-MAR-2010	15:12:30.643
EGOI_100311KSEP1514.E2	11-MAR-2010	16:49:58.242
EGOI_100311KSEP1547.E2	11-MAR-2010	18:27:51.341
EGOI_100311KSEP1583.E2	11-MAR-2010	20:06:38.450
EGOI_100311KSEP1614.E2	11-MAR-2010	21:47:42.072
EGOI_100311KSEP1642.E2	11-MAR-2010	23:31:02.203
EGOI_100311MAEP9715.E2	11-MAR-2010	08:43:37.259
EGOI_100311MAEP9728.E2	11-MAR-2010	10:22:43.863
EGOI_100311MAEP9748.E2	11-MAR-2010	20:00:09.910
EGOI_100311MIEP5731.E2	11-MAR-2010	03:09:47.205
EGOI_100311MIEP5755.E2	11-MAR-2010	04:51:14.828
EGOI_100311MIEP5780.E2	11-MAR-2010	15:29:59.248
EGOI_100311MIEP5807.E2	11-MAR-2010	17:10:02.864
EGOI_100311MMEP5388.E2	11-MAR-2010	07:45:39.903
EGOI_100311MMEP5400.E2	11-MAR-2010	17:42:43.563
EGOI_100311MMEP5406.E2	11-MAR-2010	21:00:35.778
EGOI_100311MSEP7872.E2	10-MAR-2010	23:48:23.475
EGOI_100311MSEP7896.E2	11-MAR-2010	10:29:45.406
EGOI_100311MSEP7925.E2	11-MAR-2010	12:07:46.006
EGOI_100311MSEP7952.E2	11-MAR-2010	21:39:57.021
EGOI_100311MSEP7984.E2	11-MAR-2010	23:16:39.613
EGOI_100311SGEP4191.E2	11-MAR-2010	02:14:18.364
EGOI_100311SGEP4197.E2	11-MAR-2010	03:51:14.460
EGOI_100311SGEP4204.E2	11-MAR-2010	14:49:51.502
EGOI_100311SGEP4211.E2	11-MAR-2010	16:28:05.605

[ [BACK TO MENU](#) ]

### 1.3 - List of data gaps

Station	Orbit	Date	Start Time	Stop Time	Duration (s)
KS	77840	11-MAR-2010	00:03:26.996	00:04:49.072	82.076000
KS	77844	11-MAR-2010	06:54:16.629	06:55:41.097	84.468000
KS	77845	11-MAR-2010	08:33:40.964	08:35:38.707	117.74300
KS	77846	11-MAR-2010	10:13:18.638	10:15:18.315	119.67700
KS	77847	11-MAR-2010	11:52:47.254	11:54:50.427	123.17300
KS	77848	11-MAR-2010	13:31:48.751	13:33:48.034	119.28300
KS	77849	11-MAR-2010	15:10:13.451	15:12:30.642	137.19100
KS	77850	11-MAR-2010	16:47:50.070	16:49:58.242	128.17200
KS	77851	11-MAR-2010	18:25:49.994	18:27:51.340	121.34600
KS	77852	11-MAR-2010	20:05:02.627	20:06:38.449	95.822000
KS	77853	11-MAR-2010	21:46:08.055	21:47:42.071	94.016000

KS	77854	11-MAR-2010	23:29:53.914	23:31:02.202	68.288000
GS	77841	11-MAR-2010	01:34:36.102	01:36:03.128	87.026000
GS	77842	11-MAR-2010	03:12:41.414	03:14:06.733	85.319000
MS	77840	10-MAR-2010	23:46:33.575	23:48:23.475	109.90000
MS	77846	11-MAR-2010	10:27:38.211	10:29:45.406	127.19500
MS	77847	11-MAR-2010	12:05:46.930	12:07:46.005	119.07500
MS	77854	11-MAR-2010	23:14:55.090	23:16:39.613	104.52300
MA	77845	11-MAR-2010	08:42:36.013	08:43:37.258	61.245000
MA	77846	11-MAR-2010	10:21:21.998	10:22:43.863	81.865000
MA	77852	11-MAR-2010	19:58:05.952	20:00:09.910	123.95800
MI	77842	11-MAR-2010	03:07:53.181	03:09:47.204	114.02300
MI	77843	11-MAR-2010	04:49:23.755	04:51:14.827	111.07200
MI	77849	11-MAR-2010	15:28:07.078	15:29:59.247	112.16900
MI	77850	11-MAR-2010	17:08:12.216	17:10:02.864	110.64800
MM	77844	11-MAR-2010	07:41:42.553	07:45:39.903	237.35000
MM	77844	11-MAR-2010	07:47:12.910	07:49:42.570	149.66000
MM	77850	11-MAR-2010	17:40:31.898	17:42:43.563	131.66500
MM	77852	11-MAR-2010	20:59:10.670	21:00:35.778	85.108000
MM	77852	11-MAR-2010	21:06:34.317	21:11:53.978	319.66100
BE	77842	11-MAR-2010	03:38:46.250	03:41:20.396	154.14600
SG	77841	11-MAR-2010	02:12:47.313	02:14:18.364	91.051000
SG	77842	11-MAR-2010	03:49:43.232	03:51:14.459	91.227000
SG	77848	11-MAR-2010	14:45:43.137	14:49:51.501	248.36400
SG	77849	11-MAR-2010	16:25:28.549	16:28:05.604	157.05500

[ [BACK TO MENU](#) ]

#### 1.4 - List of missing products

Station	Orbit	Date	Start Time	Stop Time	Duration (s)
HO	77840	11-MAR-2010	00:40:48.126	00:54:59.712	851.58600
MM	77840	11-MAR-2010	00:52:36.326	01:03:14.730	638.40400
BE	77841	11-MAR-2010	01:59:48.571	02:11:35.129	706.55800
MM	77841	11-MAR-2010	02:35:10.544	02:43:37.591	507.04700
MM	77842	11-MAR-2010	04:18:15.990	04:24:32.333	376.34300
CM	77842	11-MAR-2010	03:08:07.777	03:18:10.882	603.10500
CM	77842	11-MAR-2010	04:46:36.454	04:57:51.963	675.50900
MM	77843	11-MAR-2010	06:00:37.770	06:06:38.695	360.92500

JO	77844	11-MAR-2010	07:19:54.516	07:33:24.722	810.20600
MM	77845	11-MAR-2010	09:22:09.211	09:32:26.032	616.82100
JO	77845	11-MAR-2010	08:58:44.869	09:12:51.855	846.98600
MM	77846	11-MAR-2010	11:02:18.531	11:14:10.384	711.85300
MM	77847	11-MAR-2010	12:42:14.412	12:54:50.789	756.37700
HO	77848	11-MAR-2010	14:31:02.244	14:42:51.051	708.80700
MM	77848	11-MAR-2010	14:21:55.703	14:34:38.970	763.26700
SG	77848	11-MAR-2010	14:45:43.137	14:58:30.021	766.88400
BE	77849	11-MAR-2010	14:55:51.337	15:08:21.189	749.85200
MM	77849	11-MAR-2010	16:01:20.728	16:13:55.597	754.86900
GS	77849	11-MAR-2010	15:22:04.840	15:35:37.795	812.95500
CM	77849	11-MAR-2010	15:31:46.188	15:41:55.447	609.25900
GS	77850	11-MAR-2010	17:01:41.776	17:14:24.186	762.41000
CM	77850	11-MAR-2010	17:10:28.924	17:21:37.724	668.80000
MM	77851	11-MAR-2010	19:19:41.357	19:32:20.953	759.59600
JO	77851	11-MAR-2010	19:39:58.245	19:52:38.373	760.12800
JO	77852	11-MAR-2010	21:18:27.073	21:32:58.334	871.26100
HO	77853	11-MAR-2010	22:31:35.752	22:43:58.984	743.23200
MM	77853	11-MAR-2010	22:39:22.803	22:51:42.801	739.99800
MA	77853	11-MAR-2010	21:37:41.033	21:50:26.396	765.36300

[ [BACK TO MENU](#) ]

### 1.5 - List of corrupted products

Station	Orbit	Time
SG	77734	14:01:57.249

## 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

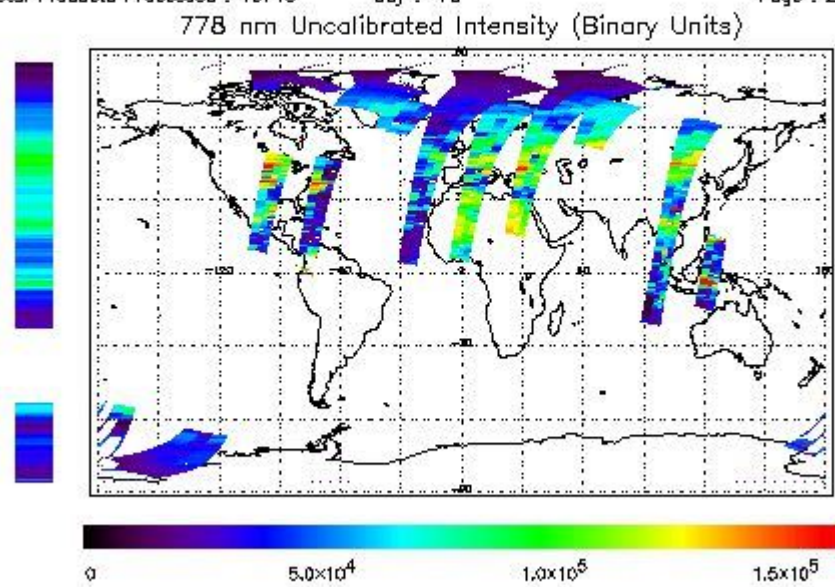
Integration Times Band 3	OK
Integration Times Band 4	OK
Scan Mirror position	North Polar View operated
Polarization Detectors	OK
FPA Temperatures A	OK
FPA Temperatures B	OK
Charge Amp Temperatures	OK
Other Temperatures A	OK
DDHU Temperatures	OK
Optical Bench Temperatures	OK
Other Temperatures B	OK
Calibration 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 : 10-MAR-2010 23:48:23.475 : ORBIT : 77840.0129  
 Last Product : 11-MAR-2010 23:40:45.761 : ORBIT : 77854.2514  
 Total Products Processed : 16713 Day : 70 Page : 21

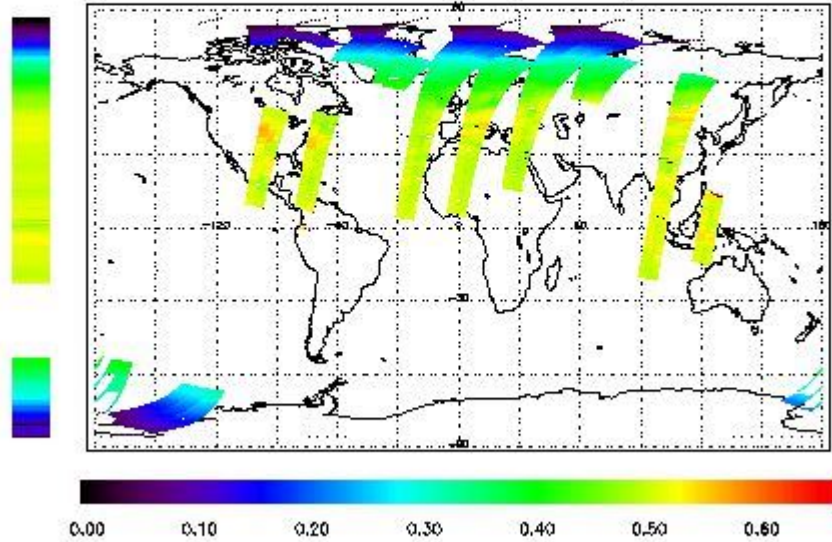


### Ozone Line Ratio

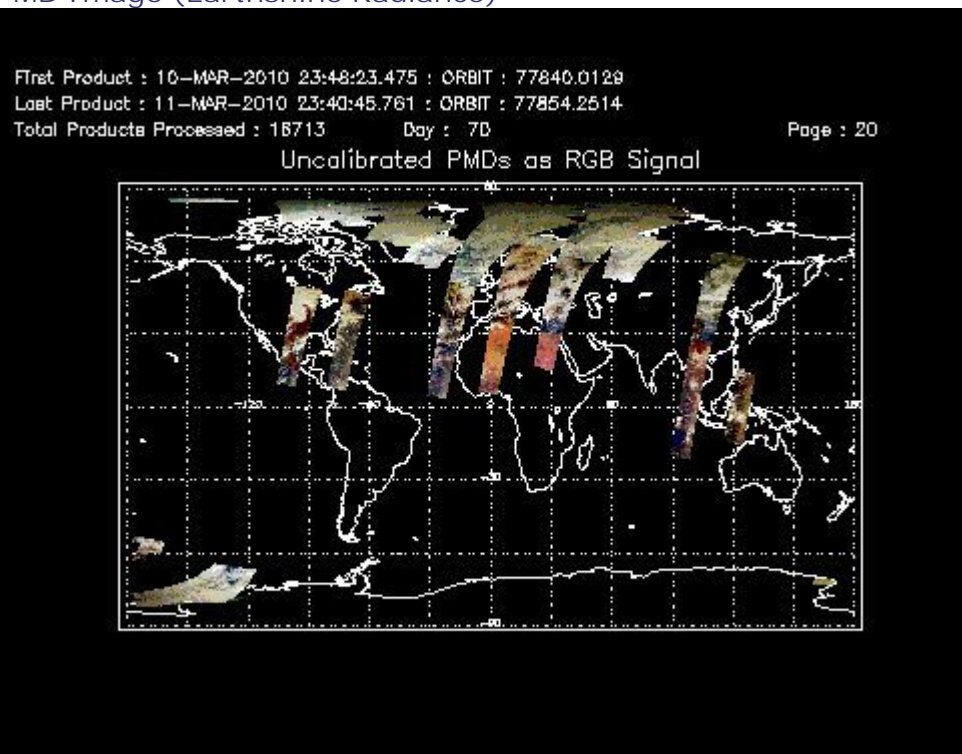
First Product : 10-MAR-2010 23:48:23.475 : ORBIT : 77840.0129  
 Last Product : 11-MAR-2010 23:40:45.761 : ORBIT : 77854.2514  
 Total Products Processed : 16713 Day : 70

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	15:16:33.666	--	77849	Yes	--	15410

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

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

## 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
07:00 10-Mar	--	77830	--

[ [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