

# 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	30-JAN-2010
Start Time of First Product	00:48:04
Stop Time of Last Product	22:58:25
Number of EGOI Products analysed	22
Number of corrupted products	--
Anomalies and/or Special Operations	ERS-2 IDHT unavailable from 12:11:50 to 18:07:40; GOME Timeline stopped/activated orbit 77278-77279, 18:02:52-19:32:03; no solar calibration measurements available

### 1.2 - List of received products

Name	Date	Time
EGOI_100130CMEP6443.E2	30-JAN-2010	04:07:44.709
EGOI_100130CMEP6449.E2	30-JAN-2010	05:48:31.828
EGOI_100130GSEP8523.E2	30-JAN-2010	00:55:21.025
EGOI_100130GSEP8555.E2	30-JAN-2010	02:31:47.120
EGOI_100130GSEP8585.E2	30-JAN-2010	04:12:40.239
EGOI_100130GSEP8592.E2	30-JAN-2010	05:55:01.869
EGOI_100130KSEP0243.E2	30-JAN-2010	06:13:24.487
EGOI_100130KSEP0273.E2	30-JAN-2010	07:53:13.102
EGOI_100130KSEP0291.E2	30-JAN-2010	09:32:51.217

EGOI_100130KSEP0320.E2	30-JAN-2010	11:12:29.338
EGOI_100130KSEP0355.E2	30-JAN-2010	19:24:12.871
EGOI_100130KSEP0379.E2	30-JAN-2010	21:04:16.487
EGOI_100130KSEP0404.E2	30-JAN-2010	22:46:50.118
EGOI_100130MAEP8378.E2	30-JAN-2010	09:40:34.764
EGOI_100130MAEP8397.E2	30-JAN-2010	20:56:37.440
EGOI_100130MIEP1808.E2	30-JAN-2010	02:28:42.598
EGOI_100130MIEP1836.E2	30-JAN-2010	04:07:43.209
EGOI_100130MSEP3245.E2	30-JAN-2010	00:48:04.478
EGOI_100130MSEP3264.E2	30-JAN-2010	11:25:32.414
EGOI_100130MSEP3296.E2	30-JAN-2010	22:34:44.044
EGOI_100130SGEP3306.E2	30-JAN-2010	03:09:36.849
EGOI_100130SGEP3313.E2	30-JAN-2010	04:50:20.971

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

### 1.3 - List of data gaps

Station	Orbit	Date	Start Time	Stop Time	Duration (s)
KS	77271	30-JAN-2010	06:12:03.219	06:13:24.487	81.268000
KS	77272	30-JAN-2010	07:51:01.018	07:53:13.102	132.08400
KS	77273	30-JAN-2010	09:30:36.901	09:32:51.216	134.31500
KS	77274	30-JAN-2010	11:10:11.469	11:12:29.338	137.86900
KS	77279	30-JAN-2010	19:22:19.837	19:24:12.870	113.03300
KS	77280	30-JAN-2010	21:02:32.368	21:04:16.486	104.11800
KS	77281	30-JAN-2010	22:45:00.915	22:46:50.118	109.20300
GS	77268	30-JAN-2010	00:54:01.937	00:55:21.025	79.088000
GS	77269	30-JAN-2010	02:30:09.869	02:31:47.120	97.251000
GS	77270	30-JAN-2010	04:10:51.569	04:12:40.239	108.67000
MS	77268	30-JAN-2010	00:46:29.062	00:48:04.478	95.416000
MS	77274	30-JAN-2010	11:23:09.472	11:25:32.413	142.94100
MS	77281	30-JAN-2010	22:32:45.337	22:34:44.044	118.70700
MA	77273	30-JAN-2010	09:38:41.233	09:40:34.763	113.53000
MA	77280	30-JAN-2010	20:54:15.177	20:56:37.439	142.26200
MI	77269	30-JAN-2010	02:26:35.741	02:28:42.597	126.85600
MI	77270	30-JAN-2010	04:04:52.995	04:07:43.209	170.21400
SG	77269	30-JAN-2010	03:07:12.531	03:09:36.849	144.31800
SG	77270	30-JAN-2010	04:48:36.259	04:50:20.971	104.71200

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

### 1.4 - List of missing products

Station	Orbit	Date	Start Time	Stop Time	Duration (s)
HO	77267	29-JAN-2010	23:57:58.438	00:12:29.488	871.05000
MM	77267	30-JAN-2010	00:08:57.290	00:20:18.729	681.43900
HO	77268	30-JAN-2010	01:39:30.672	01:50:39.868	669.19600
MM	77268	30-JAN-2010	01:51:06.423	02:00:33.886	567.46300
BE	77269	30-JAN-2010	02:56:02.123	03:09:26.614	804.49100
MM	77269	30-JAN-2010	03:34:05.233	03:41:11.390	426.15700
CM	77269	30-JAN-2010	04:03:27.295	04:15:52.516	745.22100
BE	77270	30-JAN-2010	04:36:28.898	04:46:25.027	596.12900
MM	77270	30-JAN-2010	05:16:55.918	05:22:42.336	346.41800
MM	77271	30-JAN-2010	06:58:30.312	07:05:30.699	420.38700
JO	77271	30-JAN-2010	06:39:43.885	06:49:24.341	580.45600
MM	77272	30-JAN-2010	08:39:09.102	08:48:30.581	561.47900
MA	77272	30-JAN-2010	08:01:42.968	08:10:09.417	506.44900
JO	77272	30-JAN-2010	08:15:39.812	08:30:41.484	901.67200
MM	77273	30-JAN-2010	10:19:24.780	10:30:42.284	677.50400
MM	77274	30-JAN-2010	11:59:26.421	12:11:49.386	742.96500
MA	77274	30-JAN-2010	11:19:35.233	11:28:08.897	513.66400
MM	77275	30-JAN-2010	13:39:14.212	13:51:57.817	763.60500
KS	77275	30-JAN-2010	12:49:27.007	13:02:09.622	762.61500
MS	77275	30-JAN-2010	13:03:45.602	13:13:29.208	583.60600
SG	77275	30-JAN-2010	14:05:37.346	14:13:47.234	489.88800
BE	77276	30-JAN-2010	14:12:39.857	14:26:04.308	804.45100
MM	77276	30-JAN-2010	15:18:46.299	15:31:25.094	758.79500
MI	77276	30-JAN-2010	14:46:51.743	14:56:43.521	591.77800
KS	77276	30-JAN-2010	14:28:14.104	14:39:51.589	697.48500
GS	77276	30-JAN-2010	14:40:00.385	14:50:53.533	653.14800
SG	77276	30-JAN-2010	15:41:52.820	15:55:36.397	823.57700
BE	77277	30-JAN-2010	15:55:42.728	16:03:16.679	453.95100
MM	77277	30-JAN-2010	16:58:02.559	17:10:34.290	751.73100
MI	77277	30-JAN-2010	16:24:45.077	16:37:46.485	781.40800
KS	77277	30-JAN-2010	16:05:58.069	16:17:59.739	721.67000
GS	77277	30-JAN-2010	16:18:48.906	16:32:36.400	827.49400
CM	77277	30-JAN-2010	16:27:25.738	16:39:50.997	745.25900
MM	77278	30-JAN-2010	18:37:10.573	18:49:46.168	755.59500
KS	77278	30-JAN-2010	17:43:53.572	17:56:53.384	779.81200

GS	77278	30-JAN-2010	17:59:24.524	18:08:44.994	560.47000
JO	77278	30-JAN-2010	19:00:16.445	19:06:30.544	374.09900
MM	77279	30-JAN-2010	20:16:28.408	20:29:12.060	763.65200
MA	77279	30-JAN-2010	19:19:03.593	19:27:39.455	515.86200
JO	77279	30-JAN-2010	20:35:44.773	20:50:43.867	899.09400
HO	77280	30-JAN-2010	21:51:29.030	22:00:32.920	543.89000
MM	77280	30-JAN-2010	21:56:19.662	22:08:54.379	754.71700
JO	77280	30-JAN-2010	22:16:33.861	22:27:23.006	649.14500
HO	77281	30-JAN-2010	23:26:55.039	23:41:11.639	856.60000
MM	77281	30-JAN-2010	23:37:04.388	23:48:51.254	706.86600
MA	77281	30-JAN-2010	22:39:11.060	22:45:05.641	354.58100

[ [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

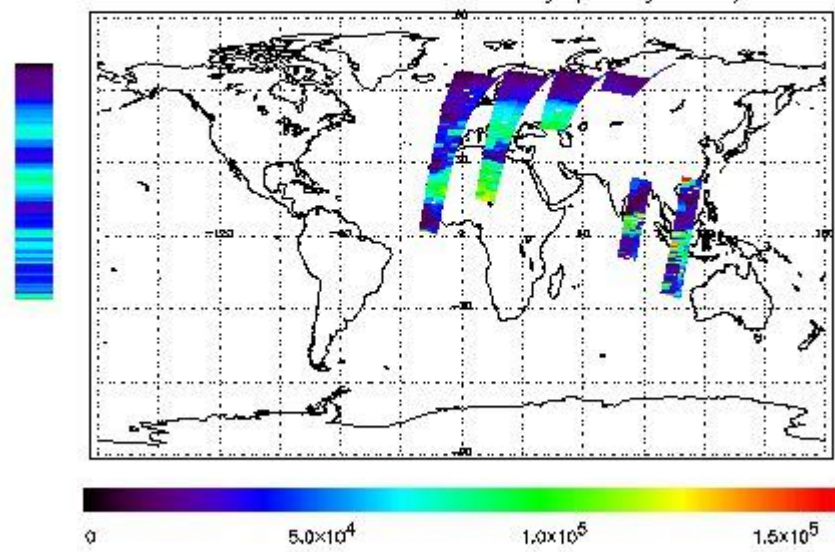
## 2.2 - Daily Plots

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 : 30-JAN-2010 00:48:04.478 : ORBIT : 77268.0348  
 Last Product : 30-JAN-2010 22:58:24.692 : ORBIT : 77281.2588  
 Total Products Processed : 10738 Day : 30 Page : 21

778 nm Uncalibrated Intensity (Binary Units)

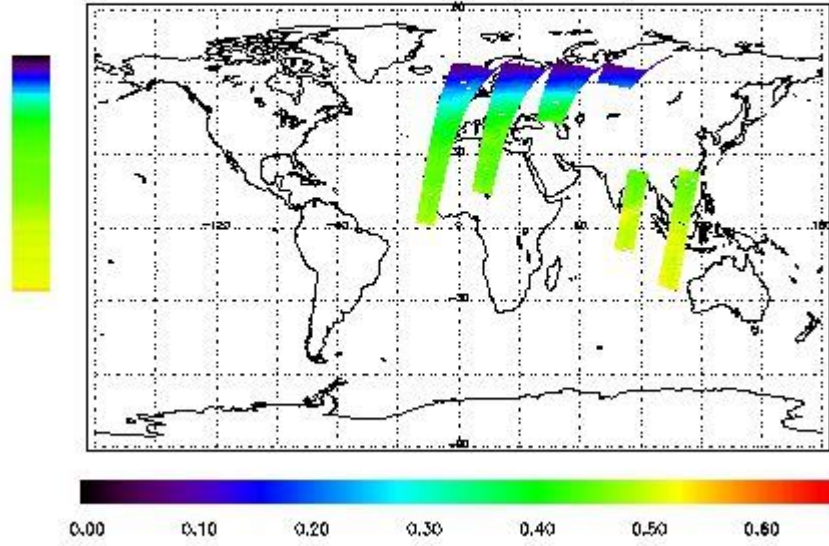


### Ozone Line Ratio

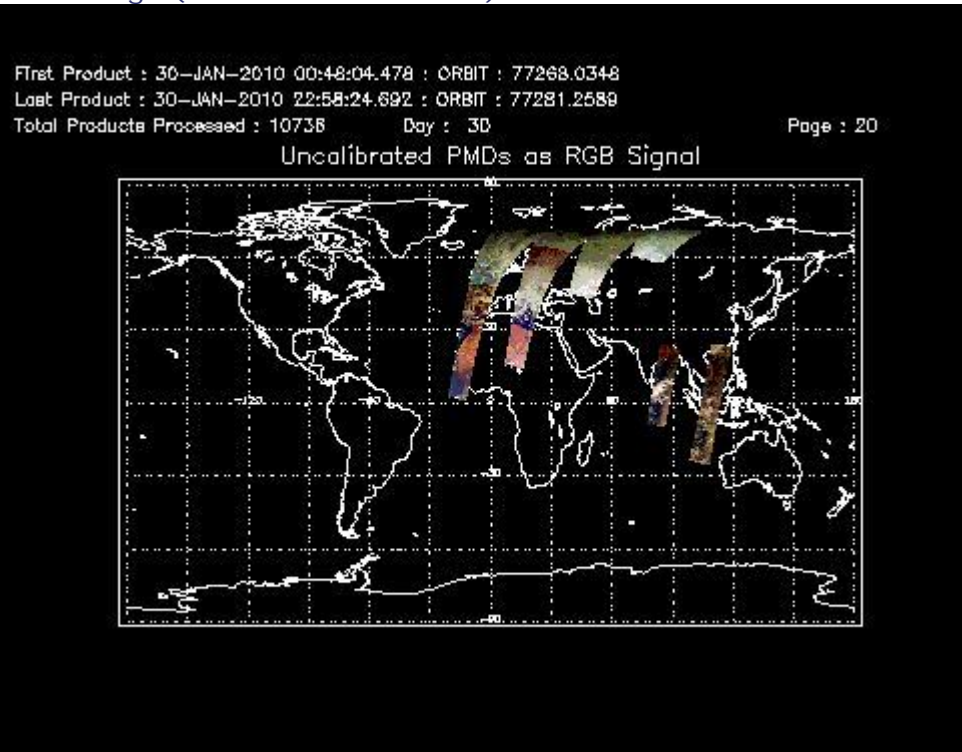
First Product : 30-JAN-2010 00:48:04.478 : ORBIT : 77268.0348  
 Last Product : 30-JAN-2010 22:58:24.692 : ORBIT : 77281.2589  
 Total Products Processed : 10738 Day : 30

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)
--	--	--	--	--	--	--

#### 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
18:02:52	19:32:03	77278	77279	No Start

### 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