

# 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	16-MAR-2010
Start Time of First Product	00:32:23
Stop Time of Last Product	22:43:52
Number of EGOI Products analysed	34
Number of corrupted products	--
Anomalies and/or Special Operations	no solar calibration measurements available due to the execution of an ERS-2 orbit manoeuvre

### 1.2 - List of received products

Name	Date	Time
EGOI_100316BEEP2150.E2	16-MAR-2010	02:43:52.254
EGOI_100316BEEP2156.E2	16-MAR-2010	04:24:10.865
EGOI_100316CMEP7052.E2	16-MAR-2010	16:14:15.219
EGOI_100316GSEP1855.E2	16-MAR-2010	02:17:25.089
EGOI_100316GSEP1880.E2	16-MAR-2010	03:57:40.704
EGOI_100316GSEP1887.E2	16-MAR-2010	05:40:06.834
EGOI_100316KSEP2763.E2	16-MAR-2010	07:38:18.060
EGOI_100316KSEP2787.E2	16-MAR-2010	09:18:18.668
EGOI_100316KSEP2813.E2	16-MAR-2010	10:57:56.779

EGOI_100316KSEP2842.E2	16-MAR-2010	12:37:13.887
EGOI_100316KSEP2855.E2	16-MAR-2010	14:16:09.993
EGOI_100316KSEP2884.E2	16-MAR-2010	15:53:58.593
EGOI_100316KSEP2916.E2	16-MAR-2010	17:31:56.193
EGOI_100316KSEP2951.E2	16-MAR-2010	19:09:44.797
EGOI_100316KSEP2986.E2	16-MAR-2010	20:49:31.904
EGOI_100316KSEP3018.E2	16-MAR-2010	22:31:37.027
EGOI_100316MAEP9920.E2	16-MAR-2010	09:25:26.211
EGOI_100316MAEP9929.E2	16-MAR-2010	11:05:32.830
EGOI_100316MAEP9946.E2	16-MAR-2010	22:23:44.484
EGOI_100316MIEP6273.E2	16-MAR-2010	02:14:56.577
EGOI_100316MIEP6287.E2	16-MAR-2010	03:52:55.677
EGOI_100316MIEP6305.E2	16-MAR-2010	14:35:16.111
EGOI_100316MIEP6332.E2	16-MAR-2010	16:12:13.707
EGOI_100316MIEP6351.E2	16-MAR-2010	17:55:17.338
EGOI_100316MMEP5567.E2	16-MAR-2010	01:36:50.342
EGOI_100316MMEP5578.E2	16-MAR-2010	08:25:30.342
EGOI_100316MSEP8472.E2	16-MAR-2010	00:32:22.947
EGOI_100316MSEP8492.E2	16-MAR-2010	11:11:10.362
EGOI_100316MSEP8517.E2	16-MAR-2010	12:51:03.469
EGOI_100316MSEP8545.E2	16-MAR-2010	22:20:30.964
EGOI_100316SGEP4309.E2	16-MAR-2010	02:55:22.320
EGOI_100316SGEP4317.E2	16-MAR-2010	04:35:09.431
EGOI_100316SGEP4323.E2	16-MAR-2010	13:54:29.360
EGOI_100316SGEP4330.E2	16-MAR-2010	15:29:32.949

[ [BACK TO MENU](#) ]

### 1.3 - List of data gaps

Station	Orbit	Date	Start Time	Stop Time	Duration (s)
KS	77916	16-MAR-2010	07:36:48.595	07:38:18.059	89.464000
KS	77917	16-MAR-2010	09:16:22.841	09:18:18.668	115.82700
KS	77918	16-MAR-2010	10:55:58.707	10:57:56.779	118.07200
KS	77919	16-MAR-2010	12:35:18.102	12:37:13.887	115.78500
KS	77920	16-MAR-2010	14:14:09.878	14:16:09.993	120.11500
KS	77921	16-MAR-2010	15:52:00.777	15:53:58.592	117.81500
KS	77922	16-MAR-2010	17:29:55.436	17:31:56.193	120.75700
KS	77923	16-MAR-2010	19:08:09.683	19:09:44.797	95.114000
KS	77924	16-MAR-2010	20:48:06.113	20:49:31.903	85.790000
KS	77925	16-MAR-2010	22:30:12.247	22:31:37.026	84.779000
GS	77914	16-MAR-2010	03:56:08.241	03:57:40.704	92.463000
MS	77912	16-MAR-2010	00:31:01.768	00:32:22.947	81.179000

MS	77918	16-MAR-2010	11:09:05.066	11:11:10.362	125.29600
MS	77919	16-MAR-2010	12:49:04.846	12:51:03.468	118.62200
MS	77925	16-MAR-2010	22:18:57.672	22:20:30.964	93.292000
MS	77926	16-MAR-2010	23:58:14.332	23:59:54.068	99.736000
MI	77913	16-MAR-2010	02:13:12.136	02:14:56.577	104.44100
MI	77914	16-MAR-2010	03:50:25.779	03:52:55.676	149.89700
MI	77914	16-MAR-2010	04:00:45.222	04:03:33.319	168.09700
MI	77920	16-MAR-2010	14:33:37.238	14:35:16.110	98.872000
MI	77921	16-MAR-2010	16:10:27.785	16:12:13.707	105.92200
MI	77922	16-MAR-2010	17:53:58.535	17:55:17.337	78.802000
BE	77913	16-MAR-2010	02:41:53.106	02:43:52.253	119.14700
BE	77914	16-MAR-2010	04:21:57.053	04:24:10.865	133.81200
SG	77913	16-MAR-2010	02:53:18.267	02:55:22.319	124.05200
SG	77914	16-MAR-2010	04:33:31.445	04:35:09.430	97.985000
SG	77920	16-MAR-2010	15:27:38.351	15:29:32.948	114.59700

[ [BACK TO MENU](#) ]

#### 1.4 - List of missing products

Station	Orbit	Date	Start Time	Stop Time	Duration (s)
MM	77911	15-MAR-2010	23:54:26.979	00:06:00.623	693.64400
HO	77912	16-MAR-2010	01:24:35.965	01:36:51.813	735.84800
GS	77912	16-MAR-2010	00:40:47.640	00:48:39.813	472.17300
MM	77913	16-MAR-2010	03:19:21.109	03:26:46.709	445.60000
CM	77913	16-MAR-2010	03:49:22.529	04:01:38.356	735.82700
MM	77914	16-MAR-2010	05:02:18.264	05:08:07.093	348.82900
MM	77915	16-MAR-2010	06:44:04.230	06:50:46.738	402.50800
KS	77915	16-MAR-2010	05:58:10.510	06:02:58.016	287.50600
CM	77915	16-MAR-2010	05:31:59.633	05:37:52.291	352.65800
JO	77915	16-MAR-2010	06:26:56.999	06:34:15.820	438.82100
JO	77916	16-MAR-2010	08:01:32.545	08:16:28.823	896.27800
MM	77917	16-MAR-2010	10:05:06.323	10:16:10.214	663.89100
JO	77917	16-MAR-2010	09:43:15.595	09:53:58.612	643.01700
HO	77918	16-MAR-2010	11:54:36.306	12:07:41.222	784.91600
MM	77918	16-MAR-2010	11:45:09.857	11:57:26.540	736.68300
HO	77919	16-MAR-2010	13:33:31.638	13:48:11.180	879.54200
MM	77919	16-MAR-2010	13:24:59.727	13:37:42.482	762.75500

BE	77920	16-MAR-2010	13:58:29.207	14:11:52.265	803.05800
HO	77920	16-MAR-2010	15:14:42.019	15:22:49.045	487.02600
MM	77920	16-MAR-2010	15:04:34.167	15:17:14.288	760.12100
GS	77920	16-MAR-2010	14:26:08.554	14:36:54.930	646.37600
BE	77921	16-MAR-2010	15:40:21.417	15:49:50.675	569.25800
MM	77921	16-MAR-2010	16:43:52.462	16:56:24.639	752.17700
GS	77921	16-MAR-2010	16:04:34.887	16:18:29.907	835.02000
MM	77922	16-MAR-2010	18:23:00.783	18:35:35.196	754.41300
GS	77922	16-MAR-2010	17:44:53.901	17:55:20.337	626.43600
CM	77922	16-MAR-2010	17:55:12.657	18:01:19.001	366.34400
MM	77923	16-MAR-2010	20:02:15.791	20:14:58.765	762.97400
MA	77923	16-MAR-2010	19:05:58.017	19:12:57.324	419.30700
JO	77923	16-MAR-2010	20:21:39.428	20:36:24.912	885.48400
MM	77924	16-MAR-2010	21:42:00.884	21:54:38.816	757.93200
MA	77924	16-MAR-2010	20:40:04.379	20:53:45.584	821.20500
JO	77924	16-MAR-2010	22:01:51.686	22:14:02.752	731.06600
HO	77925	16-MAR-2010	23:12:57.424	23:26:55.895	838.47100
MM	77925	16-MAR-2010	23:22:37.036	23:34:33.741	716.70500

[ [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

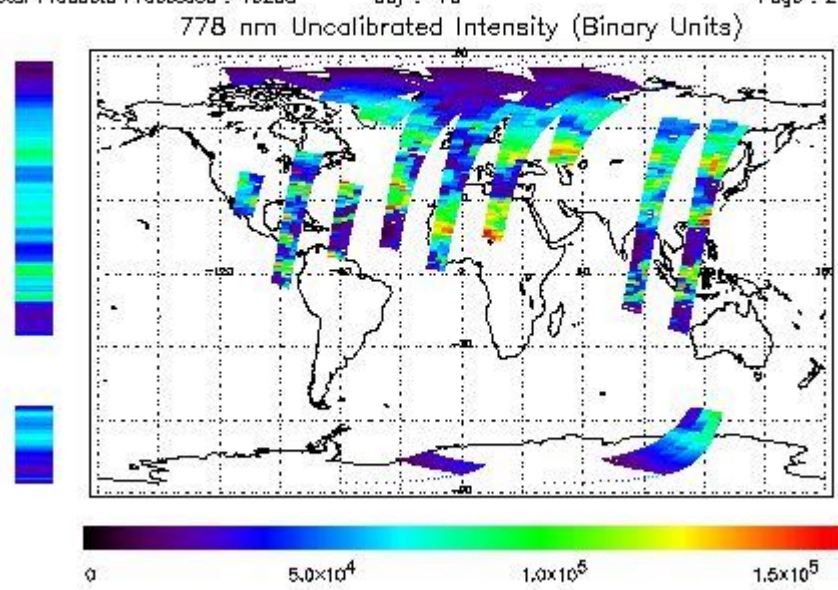
FPA Temperatures A	OK
FPA Temperaturas B	OK
Charge Amp Temperatures	OK
Other Temperatures A	OK
DDHU Temperatures	OK
Optical Bench Temperatures	OK
Other Temperatures B	OK
Calibration Lamp and Instr. Status 3	OK
Scan Mirror and Motor Current	OK
Selected Temperature A	OK
Selected Temperature B	OK
Selected 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 : 16-MAR-2010 00:32:22.947 : ORBIT : 77912.0216  
 Last Product : 16-MAR-2010 22:43:52.101 : ORBIT : 77925.2572  
 Total Products Processed : 18238 Day : 75 Page : 21



### Ozone Line Ratio



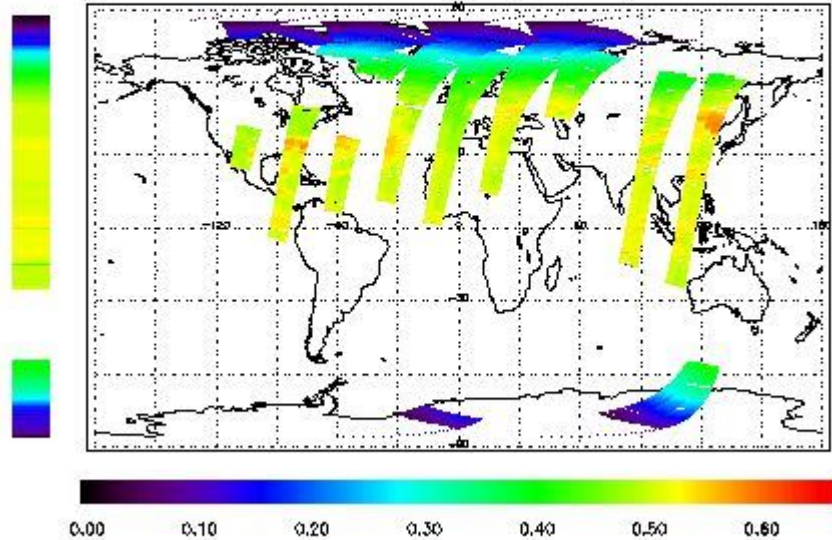
First Product : 16-MAR-2010 00:32:22.947 : ORBIT : 77912.0216

Last Product : 16-MAR-2010 22:43:52.101 : ORBIT : 77925.2572

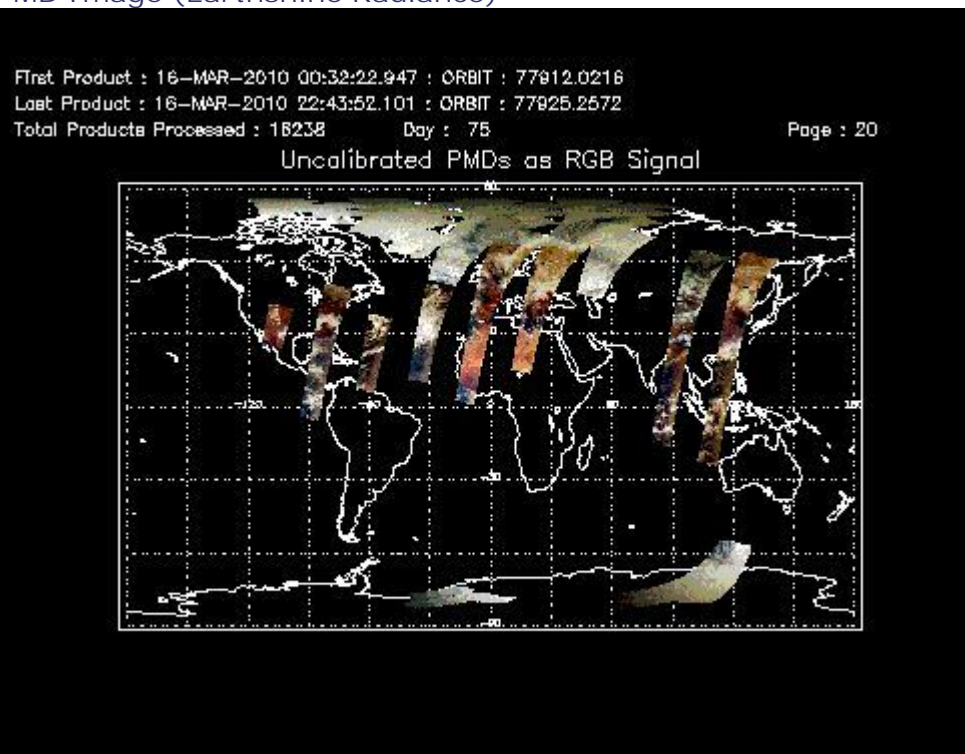
Total Products Processed : 18238 Day : 75

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)
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#### 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)
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[ 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
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### 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
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[ BACK TO MENU ]

## 5 - Instrument Operations

Additional Info

### 5.1 - Timeline Interruptions

Start Time	End Time	Start Orbit	End Orbit	Ground Station Visibility
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### 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
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## 5.6 - Seasonal Operations

Start Time	End Time	Start Orbit	End Orbit
07:00 10-Mar	--	77830	--

[ [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