

# 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	27-MAR-2010
Start Time of First Product	23:45:16 (26-Mar)
Stop Time of Last Product	23:37:49
Number of EGOI Products analysed	32
Number of corrupted products	--
Anomalies and/or Special Operations	Nominal Data

### 1.2 - List of received products

Name	Date	Time
EGOI_100327BEEP2258.E2	27-MAR-2010	01:59:04.663
EGOI_100327BEEP2268.E2	27-MAR-2010	03:37:57.766
EGOI_100327CMEP7289.E2	27-MAR-2010	03:08:11.088
EGOI_100327CMEP7299.E2	27-MAR-2010	04:47:49.201
EGOI_100327GSEP2698.E2	27-MAR-2010	01:33:10.506
EGOI_100327GSEP2730.E2	27-MAR-2010	03:11:05.109
EGOI_100327GSEP2739.E2	27-MAR-2010	04:54:11.741
EGOI_100327KSEP5933.E2	27-MAR-2010	06:52:42.465
EGOI_100327KSEP5955.E2	27-MAR-2010	08:32:40.073

EGOI_100327KSEP5979.E2	27-MAR-2010	10:12:19.683
EGOI_100327KSEP6003.E2	27-MAR-2010	11:51:51.791
EGOI_100327KSEP6024.E2	27-MAR-2010	13:30:49.398
EGOI_100327KSEP6052.E2	27-MAR-2010	15:09:32.000
EGOI_100327KSEP6084.E2	27-MAR-2010	16:47:01.097
EGOI_100327KSEP6119.E2	27-MAR-2010	18:24:57.200
EGOI_100327KSEP6155.E2	27-MAR-2010	20:03:41.304
EGOI_100327KSEP6164.E2	27-MAR-2010	21:44:40.422
EGOI_100327KSEP6181.E2	27-MAR-2010	23:27:57.553
EGOI_100327MIEP7502.E2	27-MAR-2010	03:06:48.582
EGOI_100327MIEP7527.E2	27-MAR-2010	04:48:01.201
EGOI_100327MIEP7551.E2	27-MAR-2010	15:27:03.610
EGOI_100327MIEP7578.E2	27-MAR-2010	17:06:58.219
EGOI_100327MSEP9750.E2	26-MAR-2010	23:45:15.845
EGOI_100327MSEP9774.E2	27-MAR-2010	10:26:52.770
EGOI_100327MSEP9803.E2	27-MAR-2010	12:04:45.873
EGOI_100327MSEP9813.E2	27-MAR-2010	13:47:41.999
EGOI_100327MSEP9836.E2	27-MAR-2010	21:37:17.879
EGOI_100327MSEP9868.E2	27-MAR-2010	23:13:42.471
EGOI_100327SGEP4582.E2	27-MAR-2010	02:11:46.741
EGOI_100327SGEP4589.E2	27-MAR-2010	03:48:24.832
EGOI_100327SGEP4596.E2	27-MAR-2010	14:46:45.367
EGOI_100327SGEP4602.E2	27-MAR-2010	16:24:38.464

[ [BACK TO MENU](#) ]

### 1.3 - List of data gaps

Station	Orbit	Date	Start Time	Stop Time	Duration (s)
KS	78073	27-MAR-2010	06:51:26.929	06:52:42.464	75.535000
KS	78074	27-MAR-2010	08:30:50.217	08:32:40.072	109.85500
KS	78075	27-MAR-2010	10:10:27.893	10:12:19.682	111.78900
KS	78076	27-MAR-2010	11:49:57.005	11:51:51.790	114.78500
KS	78077	27-MAR-2010	13:28:59.552	13:30:49.398	109.84600
KS	78078	27-MAR-2010	15:07:26.939	15:09:32.000	125.06100
KS	78079	27-MAR-2010	16:45:03.690	16:47:01.096	117.40600
KS	78080	27-MAR-2010	18:23:01.202	18:24:57.199	115.99700
KS	78081	27-MAR-2010	20:02:11.161	20:03:41.304	90.143000
KS	78082	27-MAR-2010	21:43:12.839	21:44:40.422	87.583000
KS	78083	27-MAR-2010	23:26:52.885	23:27:57.552	64.667000
GS	78070	27-MAR-2010	01:31:51.917	01:33:10.505	78.588000
GS	78071	27-MAR-2010	03:09:49.598	03:11:05.108	75.510000
MS	78075	27-MAR-2010	10:24:53.841	10:26:52.770	118.92900

MS	78076	27-MAR-2010	12:02:55.691	12:04:45.872	110.18100
MS	78083	27-MAR-2010	23:12:04.367	23:13:42.470	98.103000
MI	78071	27-MAR-2010	03:05:05.524	03:06:48.582	103.05800
MI	78072	27-MAR-2010	04:46:21.034	04:48:01.201	100.16700
MI	78078	27-MAR-2010	15:25:19.556	15:27:03.610	104.05400
MI	78079	27-MAR-2010	17:05:16.313	17:06:58.219	101.90600
BE	78070	27-MAR-2010	01:57:01.877	01:59:04.662	122.78500
BE	78071	27-MAR-2010	03:35:54.540	03:37:57.766	123.22600
SG	78070	27-MAR-2010	02:10:11.598	02:11:46.740	95.142000
SG	78071	27-MAR-2010	03:46:51.041	03:48:24.832	93.791000
SG	78071	27-MAR-2010	03:56:06.875	04:00:29.688	262.81300
SG	78077	27-MAR-2010	14:42:58.399	14:46:45.366	226.96700
SG	78078	27-MAR-2010	16:22:31.134	16:24:38.464	127.33000
CM	78071	27-MAR-2010	03:05:26.844	03:08:11.087	164.24300

[ [BACK TO MENU](#) ]

#### 1.4 - List of missing products

Station	Orbit	Date	Start Time	Stop Time	Duration (s)
HO	78069	27-MAR-2010	00:37:54.298	00:52:11.172	856.87400
MM	78069	27-MAR-2010	00:49:41.350	01:00:22.914	641.56400
KS	78069	27-MAR-2010	00:00:21.744	00:05:49.728	327.98400
MM	78070	27-MAR-2010	02:32:14.023	02:40:45.198	511.17500
MM	78071	27-MAR-2010	04:15:19.451	04:21:38.555	379.10400
MM	78072	27-MAR-2010	05:57:43.495	06:03:42.497	359.00200
MM	78073	27-MAR-2010	07:38:49.970	07:46:45.865	475.89500
JO	78073	27-MAR-2010	07:17:10.584	07:30:30.876	800.29200
MM	78074	27-MAR-2010	09:19:17.305	09:29:30.673	613.36800
MA	78074	27-MAR-2010	08:39:42.578	08:51:58.688	736.11000
JO	78074	27-MAR-2010	08:55:50.338	09:10:04.660	854.32200
MM	78075	27-MAR-2010	10:59:27.022	11:11:16.888	709.86600
MA	78075	27-MAR-2010	10:18:32.229	10:30:47.147	734.91800
MM	78076	27-MAR-2010	12:39:23.295	12:51:59.014	755.71900
HO	78077	27-MAR-2010	14:28:08.984	14:40:10.300	721.31600
MM	78077	27-MAR-2010	14:19:05.029	14:31:48.429	763.40000
SG	78077	27-MAR-2010	14:42:58.399	14:55:35.188	756.78900
BE	78078	27-MAR-2010	14:52:56.539	15:05:33.146	756.60700

MM	78078	27-MAR-2010	15:58:30.522	16:11:05.629	755.10700
GS	78078	27-MAR-2010	15:19:15.590	15:32:44.462	808.87200
CM	78078	27-MAR-2010	15:29:03.736	15:38:56.439	592.70300
MM	78079	27-MAR-2010	17:37:41.972	17:50:13.845	751.87300
GS	78079	27-MAR-2010	16:58:49.728	17:11:38.514	768.78600
CM	78079	27-MAR-2010	17:07:34.582	17:18:53.432	678.85000
MM	78080	27-MAR-2010	19:16:51.212	19:29:30.542	759.33000
JO	78080	27-MAR-2010	19:37:14.050	19:49:39.949	745.89900
MM	78081	27-MAR-2010	20:56:19.624	21:09:03.092	763.46800
MA	78081	27-MAR-2010	19:55:19.907	20:08:28.913	789.00600
JO	78081	27-MAR-2010	21:15:35.060	21:30:11.366	876.30600
HO	78082	27-MAR-2010	22:28:52.387	22:41:06.922	734.53500
MM	78082	27-MAR-2010	22:36:30.259	22:48:51.493	741.23400
MA	78082	27-MAR-2010	21:34:46.501	21:47:38.589	772.08800

[ [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	Polar View operated
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

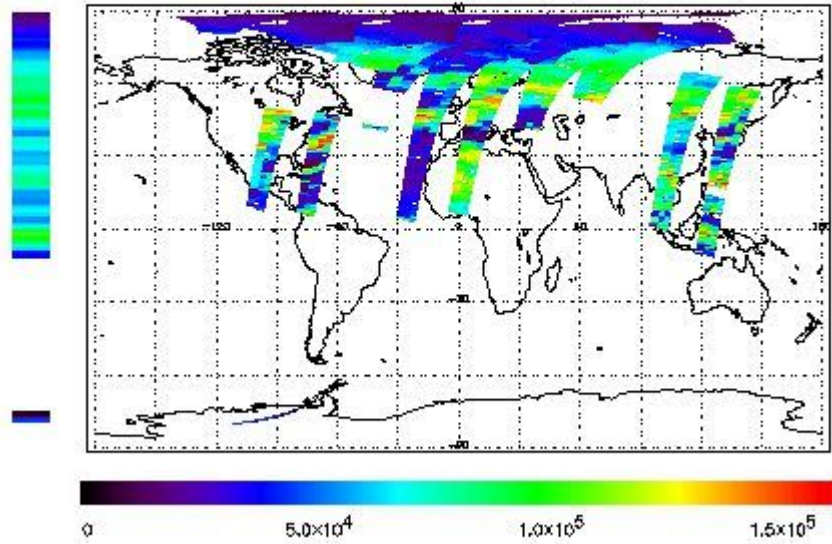
## 2.2 - Daily Plots

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 : 26-MAR-2010 23:45:15.845 : ORBIT : 78069.0104  
 Last Product : 27-MAR-2010 23:37:48.615 : ORBIT : 78083.2508  
 Total Products Processed : 14507 Day : 86 Page : 21

778 nm Uncalibrated Intensity (Binary Units)



### Ozone Line Ratio

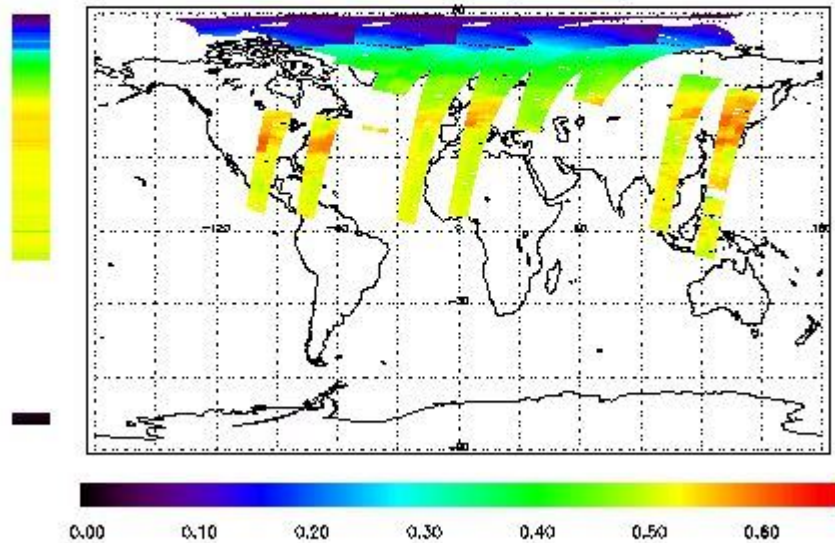
First Product : 26-MAR-2010 23:45:15.845 : ORBIT : 78069.0104

Last Product : 27-MAR-2010 23:37:48.615 : ORBIT : 78083.2508

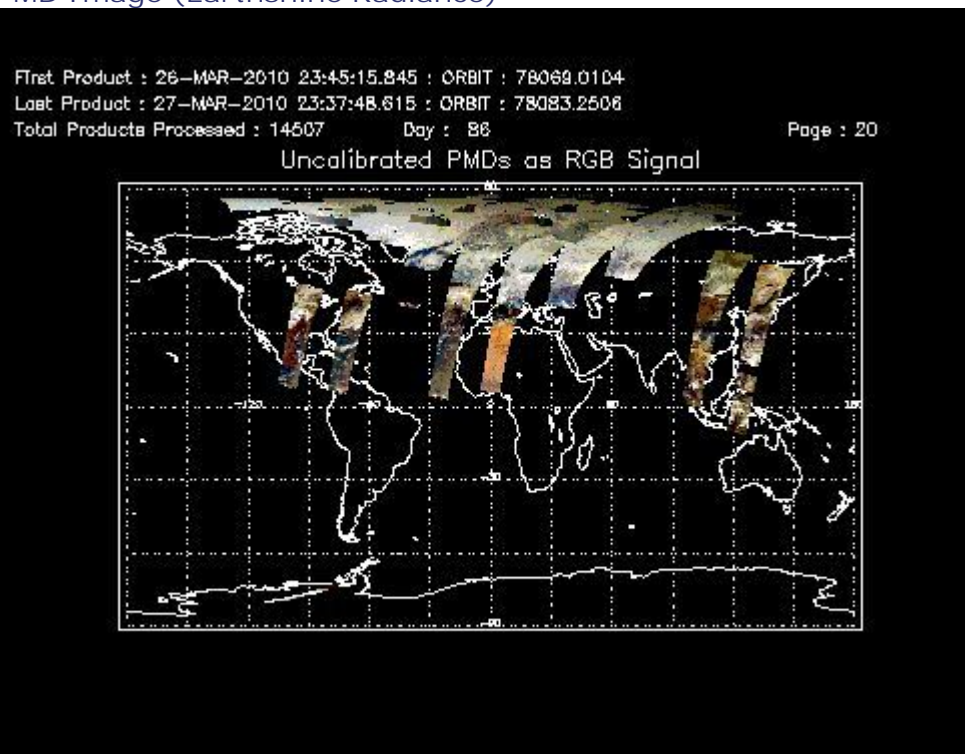
Total Products Processed : 14607 Day : 88

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	13:31:01.401	--	78077	Yes	--	15367

#### 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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(1)

## 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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## 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
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### 5.3 - Power Cycle

Start Time	End Time	Start Orbit	End Orbit	Ground Station Visibility
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### 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