

# 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	24-MAR-2010
Start Time of First Product	23:55:08 (23-Mar)
Stop Time of Last Product	23:32:07
Number of EGOI Products analysed	36
Number of corrupted products	1
Anomalies and/or Special Operations	Narrow Swath performed as planned, start orbit: 78036

### 1.2 - List of received products

Name	Date	Time
EGOI_100324BEEP2225.E2	24-MAR-2010	03:32:12.098
EGOI_100324CMEP7203.E2	24-MAR-2010	03:01:29.910
EGOI_100324CMEP7214.E2	24-MAR-2010	04:41:38.025
EGOI_100324CMEP7222.E2	24-MAR-2010	15:26:52.155
EGOI_100324CMEP7228.E2	24-MAR-2010	17:03:30.249
EGOI_100324GSEP2448.E2	24-MAR-2010	01:27:47.338
EGOI_100324GSEP2480.E2	24-MAR-2010	03:05:22.433
EGOI_100324GSEP2507.E2	24-MAR-2010	04:48:05.068
EGOI_100324GSEP2513.E2	24-MAR-2010	06:29:53.687

EGOI_100324KSEP5067.E2	23-MAR-2010	23:55:07.766
EGOI_100324KSEP5086.E2	24-MAR-2010	06:47:02.788
EGOI_100324KSEP5106.E2	24-MAR-2010	08:26:58.905
EGOI_100324KSEP5129.E2	24-MAR-2010	10:06:40.016
EGOI_100324KSEP5154.E2	24-MAR-2010	11:46:13.623
EGOI_100324KSEP5175.E2	24-MAR-2010	13:25:12.730
EGOI_100324KSEP5197.E2	24-MAR-2010	15:03:56.517
EGOI_100324KSEP5218.E2	24-MAR-2010	16:41:27.112
EGOI_100324KSEP5249.E2	24-MAR-2010	18:19:29.212
EGOI_100324KSEP5285.E2	24-MAR-2010	19:58:02.819
EGOI_100324KSEP5311.E2	24-MAR-2010	21:38:51.434
EGOI_100324KSEP5330.E2	24-MAR-2010	23:21:58.070
EGOI_100324MAEP0248.E2	24-MAR-2010	08:34:57.452
EGOI_100324MAEP0263.E2	24-MAR-2010	10:14:05.559
EGOI_100324MIEP7164.E2	24-MAR-2010	03:01:11.906
EGOI_100324MIEP7189.E2	24-MAR-2010	04:42:00.529
EGOI_100324MIEP7215.E2	24-MAR-2010	15:21:29.622
EGOI_100324MIEP7242.E2	24-MAR-2010	17:01:10.738
EGOI_100324MSEP9415.E2	24-MAR-2010	10:21:25.102
EGOI_100324MSEP9444.E2	24-MAR-2010	11:59:09.205
EGOI_100324MSEP9455.E2	24-MAR-2010	13:41:42.831
EGOI_100324MSEP9476.E2	24-MAR-2010	21:32:03.395
EGOI_100324MSEP9508.E2	24-MAR-2010	23:08:02.483
EGOI_100324SGEP4502.E2	24-MAR-2010	02:06:17.573
EGOI_100324SGEP4508.E2	24-MAR-2010	03:42:37.661
EGOI_100324SGEP4516.E2	24-MAR-2010	14:40:45.871
EGOI_100324SGEP4521.E2	24-MAR-2010	16:18:35.971

[ [BACK TO MENU](#) ]

### 1.3 - List of data gaps

Station	Orbit	Date	Start Time	Stop Time	Duration (s)
KS	78030	24-MAR-2010	06:45:47.763	06:47:02.788	75.025000
KS	78031	24-MAR-2010	08:25:08.749	08:26:58.905	110.15600
KS	78032	24-MAR-2010	10:04:46.383	10:06:40.016	113.63300
KS	78033	24-MAR-2010	11:44:16.442	11:46:13.623	117.18100
KS	78034	24-MAR-2010	13:23:21.043	13:25:12.730	111.68700
KS	78035	24-MAR-2010	15:01:53.274	15:03:56.517	123.24300
KS	78036	24-MAR-2010	16:39:29.827	16:41:27.111	117.28400
KS	78037	24-MAR-2010	18:17:23.792	18:19:29.212	125.42000
KS	78038	24-MAR-2010	19:56:28.503	19:58:02.819	94.316000
KS	78039	24-MAR-2010	21:37:22.779	21:38:51.434	88.655000
KS	78040	24-MAR-2010	23:20:51.561	23:21:58.069	66.508000

GS	78027	24-MAR-2010	01:26:24.286	01:27:47.337	83.051000
GS	78028	24-MAR-2010	03:04:06.643	03:05:22.433	75.790000
GS	78029	24-MAR-2010	04:46:55.600	04:48:05.067	69.467000
MS	78032	24-MAR-2010	10:19:26.528	10:21:25.102	118.57400
MS	78033	24-MAR-2010	11:57:09.628	11:59:09.205	119.57700
MS	78040	24-MAR-2010	23:06:23.805	23:08:02.483	98.678000
MA	78031	24-MAR-2010	08:33:56.121	08:34:57.451	61.330000
MA	78032	24-MAR-2010	10:12:51.138	10:14:05.559	74.421000
MI	78028	24-MAR-2010	02:59:31.186	03:01:11.905	100.71900
MI	78029	24-MAR-2010	04:40:18.294	04:42:00.528	102.23400
MI	78035	24-MAR-2010	15:19:45.350	15:21:29.622	104.27200
MI	78036	24-MAR-2010	16:59:25.609	17:01:10.738	105.12900
BE	78028	24-MAR-2010	03:30:11.454	03:32:12.098	120.64400
SG	78027	24-MAR-2010	02:05:04.774	02:06:17.573	72.799000
SG	78028	24-MAR-2010	03:41:07.599	03:42:37.661	90.062000
SG	78034	24-MAR-2010	14:37:30.285	14:40:45.870	195.58500
SG	78035	24-MAR-2010	16:16:37.876	16:18:35.970	118.09400
CM	78028	24-MAR-2010	03:00:07.114	03:01:29.910	82.796000
CM	78035	24-MAR-2010	15:23:40.966	15:26:52.154	191.18800
CM	78036	24-MAR-2010	17:01:46.929	17:03:30.248	103.31900

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

#### 1.4 - List of missing products

Station	Orbit	Date	Start Time	Stop Time	Duration (s)
HO	78026	24-MAR-2010	00:32:01.441	00:46:32.322	870.88100
MM	78026	24-MAR-2010	00:43:51.557	00:54:39.320	647.76300
BE	78027	24-MAR-2010	01:51:29.316	02:02:42.856	673.54000
MM	78027	24-MAR-2010	02:26:21.075	02:35:00.481	519.40600
MM	78028	24-MAR-2010	04:09:26.265	04:15:51.180	384.91500
MM	78029	24-MAR-2010	05:51:54.732	05:57:50.269	355.53700
MM	78030	24-MAR-2010	07:33:04.716	07:40:52.397	467.68100
JO	78030	24-MAR-2010	07:11:43.854	07:24:42.470	778.61600
MM	78031	24-MAR-2010	09:13:33.451	09:23:39.804	606.35300
JO	78031	24-MAR-2010	08:50:02.297	09:04:29.542	867.24500
HO	78032	24-MAR-2010	11:05:10.971	11:13:57.526	526.55500
MM	78032	24-MAR-2010	10:53:43.973	11:05:29.734	705.76100

HO	78033	24-MAR-2010	12:42:26.071	12:57:09.793	883.72200
MM	78033	24-MAR-2010	12:33:41.024	12:46:15.332	754.30800
MA	78033	24-MAR-2010	11:55:05.036	11:59:33.745	268.70900
HO	78034	24-MAR-2010	14:22:22.823	14:34:55.516	752.69300
MM	78034	24-MAR-2010	14:13:23.643	14:26:07.267	763.62400
SG	78034	24-MAR-2010	14:37:30.285	14:49:44.275	733.99000
BE	78035	24-MAR-2010	14:47:07.889	14:59:56.524	768.63500
MM	78035	24-MAR-2010	15:52:50.071	16:05:25.670	755.59900
GS	78035	24-MAR-2010	15:13:37.425	15:26:57.035	799.61000
MM	78036	24-MAR-2010	17:32:02.112	17:44:33.838	751.72600
GS	78036	24-MAR-2010	16:53:05.870	17:06:06.503	780.63300
MM	78037	24-MAR-2010	19:11:10.970	19:23:49.760	758.79000
JO	78037	24-MAR-2010	19:31:47.023	19:43:41.443	714.42000
MM	78038	24-MAR-2010	20:50:37.634	21:03:21.357	763.72300
MA	78038	24-MAR-2010	19:49:48.548	20:02:37.441	768.89300
JO	78038	24-MAR-2010	21:09:51.557	21:24:36.546	884.98900
HO	78039	24-MAR-2010	22:23:26.253	22:35:22.557	716.30400
MM	78039	24-MAR-2010	22:30:45.321	22:43:08.912	743.59100
MA	78039	24-MAR-2010	21:28:58.311	21:42:02.386	784.07500

[ [BACK TO MENU](#) ]

## 1.5 - List of corrupted products

Station	Orbit	Time
KS	78036	16:54:22.69

## 2 - Instrument Indicators and Daily Plots

### 2.1 - Instrument Indicators Status

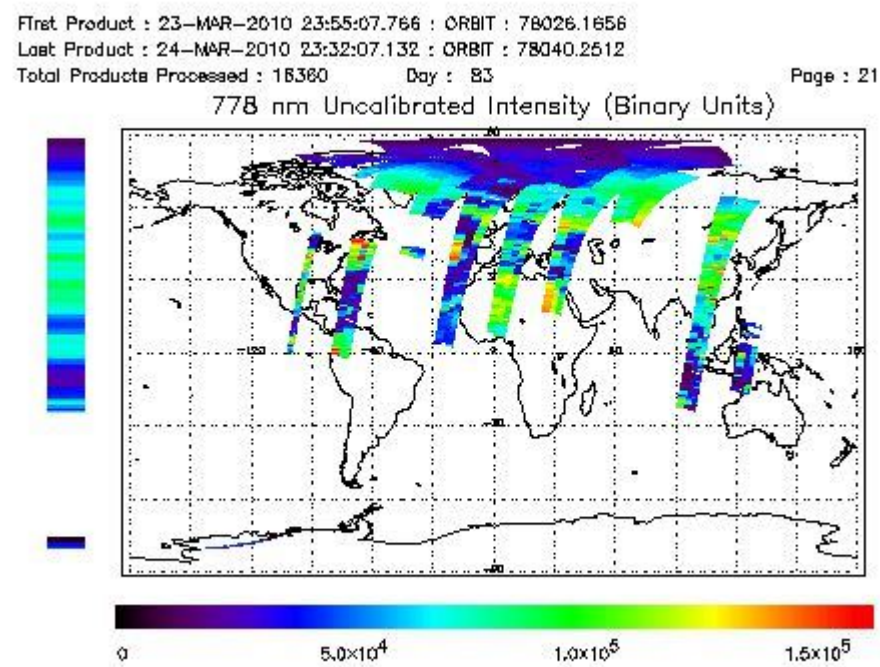
Indicator	Value
MPH Product Confidence	OK
SPH Product Confidence	OK
Command Word Echo Summary	OK
Instrument Status 1A	OK
Instrument Status 1B	OK
Instrument Status 2	OK
Integration Times Channel 1	OK
Co-Adding and Cluster Mode Flags	OK
Integration Times Band 2A	OK
Integration Times Band 2B	OK
Integration 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



### Ozone Line Ratio

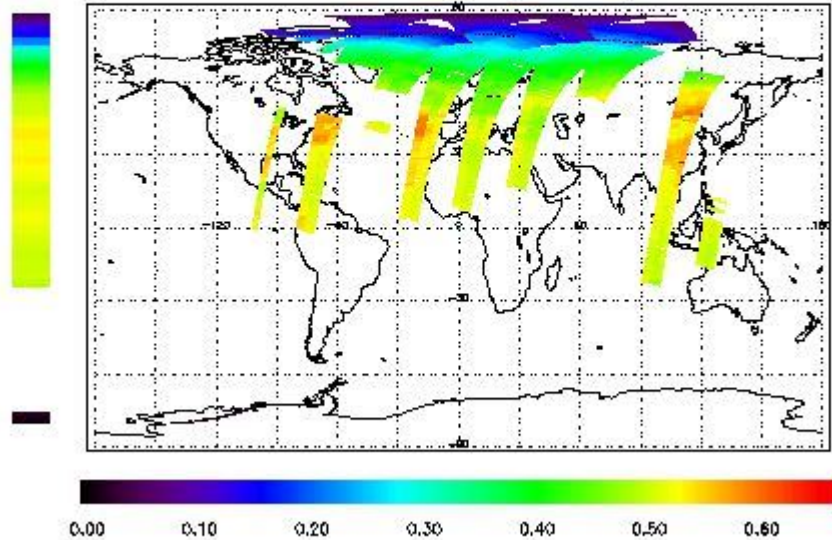
First Product : 23-MAR-2010 23:55:07.766 : ORBIT : 78026.1656

Last Product : 24-MAR-2010 23:32:07.132 : ORBIT : 78040.2512

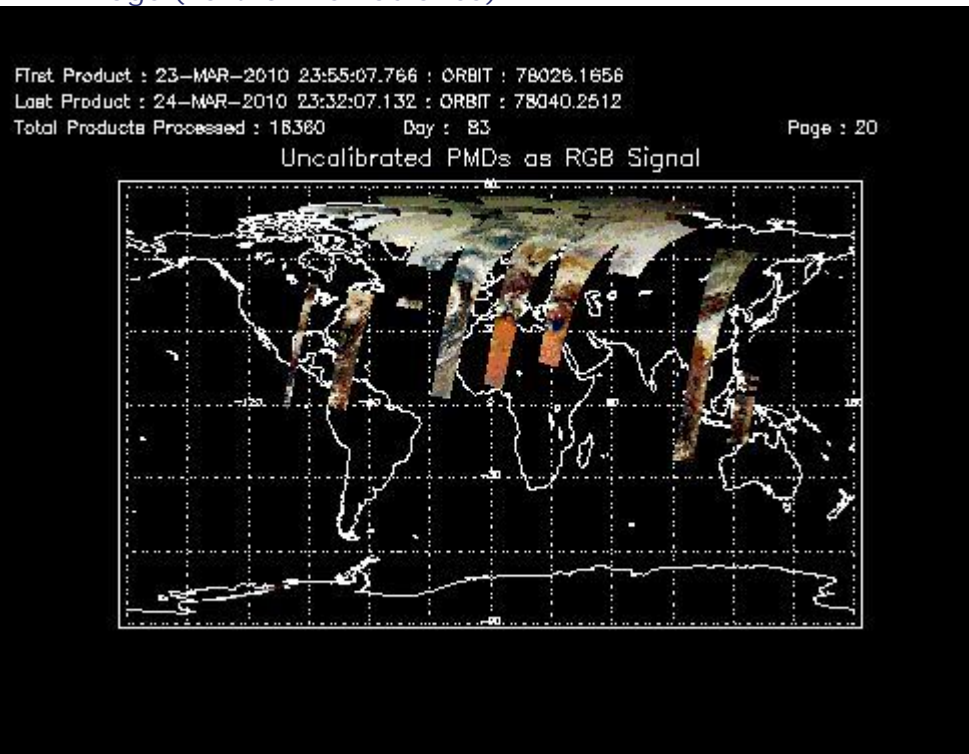
Total Products Processed : 16380 Day : 83

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	15:06:17.528	--	78035	Yes	--	15398

#### 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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## 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
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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
17:00	--	78036	--

## 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