

# 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	06-MAR-2010
Start Time of First Product	00:09:54
Stop Time of Last Product	22:58:12
Number of EGOI Products analysed	38
Number of corrupted products	--
Anomalies and/or Special Operations	No solar calibration measurements available due to the execution of an ERS-2 orbit manoeuvre; no timeline 1 (Normal Observation) activated as replacement.

### 1.2 - List of received products

Name	Date	Time
EGOI_100306CMEP6949.E2	06-MAR-2010	04:07:31.883
EGOI_100306GSEP1160.E2	06-MAR-2010	00:55:09.708
EGOI_100306GSEP1192.E2	06-MAR-2010	02:31:31.300
EGOI_100306GSEP1222.E2	06-MAR-2010	04:12:25.914
EGOI_100306GSEP1229.E2	06-MAR-2010	05:54:47.548
EGOI_100306KSEP0016.E2	06-MAR-2010	09:32:36.884
EGOI_100306KSEP0051.E2	06-MAR-2010	11:12:13.491
EGOI_100306KSEP0083.E2	06-MAR-2010	12:51:27.599
EGOI_100306KSEP0096.E2	06-MAR-2010	14:30:19.206

EGOI_100306KSEP0125.E2	06-MAR-2010	16:08:01.810
EGOI_100306KSEP0157.E2	06-MAR-2010	17:45:59.414
EGOI_100306KSEP0192.E2	06-MAR-2010	19:23:58.513
EGOI_100306KSEP0228.E2	06-MAR-2010	21:04:06.629
EGOI_100306KSEP0239.E2	06-MAR-2010	22:46:37.256
EGOI_100306KSEP9958.E2	06-MAR-2010	06:13:10.155
EGOI_100306KSEP9989.E2	06-MAR-2010	07:52:58.773
EGOI_100306MAEP9594.E2	06-MAR-2010	09:40:20.427
EGOI_100306MIEP5263.E2	06-MAR-2010	02:28:26.780
EGOI_100306MIEP5285.E2	06-MAR-2010	04:07:28.883
EGOI_100306MIEP5309.E2	06-MAR-2010	14:48:40.320
EGOI_100306MIEP5338.E2	06-MAR-2010	16:26:40.928
EGOI_100306MMEP5093.E2	06-MAR-2010	00:09:57.426
EGOI_100306MMEP5100.E2	06-MAR-2010	03:34:49.679
EGOI_100306MMEP5107.E2	06-MAR-2010	05:17:06.810
EGOI_100306MMEP5116.E2	06-MAR-2010	06:58:56.936
EGOI_100306MMEP5125.E2	06-MAR-2010	08:39:56.055
EGOI_100306MMEP5132.E2	06-MAR-2010	10:20:25.173
EGOI_100306MMEP5142.E2	06-MAR-2010	12:00:52.790
EGOI_100306MMEP5148.E2	06-MAR-2010	13:40:14.405
EGOI_100306MMEP5159.E2	06-MAR-2010	16:59:30.628
EGOI_100306MMEP5166.E2	06-MAR-2010	18:39:07.235
EGOI_100306MSEP7312.E2	06-MAR-2010	00:47:39.661
EGOI_100306MSEP7332.E2	06-MAR-2010	11:25:19.570
EGOI_100306MSEP7356.E2	06-MAR-2010	13:05:57.693
EGOI_100306MSEP7383.E2	06-MAR-2010	22:34:25.182
EGOI_100306SGEP4137.E2	06-MAR-2010	03:09:16.523
EGOI_100306SGEP4144.E2	06-MAR-2010	04:50:00.642
EGOI_100306SGEP4151.E2	06-MAR-2010	14:07:10.065

[ [BACK TO MENU](#) ]

### 1.3 - List of data gaps

Station	Orbit	Date	Start Time	Stop Time	Duration (s)
KS	77774	06-MAR-2010	09:30:36.901	09:32:36.884	119.98300
KS	77775	06-MAR-2010	11:10:11.469	11:12:13.491	122.02200
KS	77776	06-MAR-2010	12:49:27.007	12:51:27.598	120.59100
KS	77777	06-MAR-2010	14:28:14.104	14:30:19.206	125.10200
KS	77778	06-MAR-2010	16:05:58.069	16:08:01.809	123.74000
KS	77779	06-MAR-2010	17:43:53.573	17:45:59.414	125.84100
KS	77780	06-MAR-2010	19:22:19.837	19:23:58.513	98.676000
KS	77781	06-MAR-2010	21:02:32.368	21:04:06.629	94.261000
KS	77782	06-MAR-2010	22:45:00.915	22:46:37.256	96.341000

KS	77772	06-MAR-2010	06:12:03.220	06:13:10.154	66.934000
KS	77773	06-MAR-2010	07:51:01.018	07:52:58.773	117.75500
GS	77769	06-MAR-2010	00:54:01.937	00:55:09.708	67.771000
GS	77770	06-MAR-2010	02:30:09.869	02:31:31.299	81.430000
GS	77771	06-MAR-2010	04:10:51.569	04:12:25.914	94.345000
MS	77769	06-MAR-2010	00:46:29.062	00:47:39.661	70.599000
MS	77775	06-MAR-2010	11:23:09.472	11:25:19.569	130.09700
MS	77776	06-MAR-2010	13:03:45.602	13:05:57.692	132.09000
MS	77782	06-MAR-2010	22:32:45.337	22:34:25.181	99.844000
MA	77774	06-MAR-2010	09:38:41.233	09:40:20.426	99.193000
MI	77770	06-MAR-2010	02:26:35.741	02:28:26.779	111.03800
MI	77771	06-MAR-2010	04:04:52.995	04:07:28.882	155.88700
MI	77771	06-MAR-2010	04:15:27.428	04:17:32.374	124.94600
MI	77777	06-MAR-2010	14:46:51.743	14:48:40.319	108.57600
MI	77778	06-MAR-2010	16:24:45.077	16:26:40.927	115.85000
MM	77768	06-MAR-2010	00:08:57.290	00:09:57.426	60.136000
MM	77774	06-MAR-2010	10:19:24.780	10:20:25.173	60.393000
MM	77775	06-MAR-2010	11:59:26.421	12:00:52.790	86.369000
MM	77776	06-MAR-2010	13:39:14.212	13:40:14.405	60.193000
MM	77778	06-MAR-2010	16:58:02.559	16:59:30.628	88.069000
MM	77779	06-MAR-2010	18:37:10.574	18:39:07.235	116.66100
SG	77770	06-MAR-2010	03:07:12.531	03:09:16.523	123.99200
SG	77770	06-MAR-2010	03:16:39.069	03:20:50.060	250.99100
SG	77771	06-MAR-2010	04:48:36.259	04:50:00.641	84.382000
SG	77776	06-MAR-2010	14:05:37.346	14:07:10.064	92.718000

[ [BACK TO MENU](#) ]

#### 1.4 - List of missing products

Station	Orbit	Date	Start Time	Stop Time	Duration (s)
HO	77768	05-MAR-2010	23:57:58.438	00:12:29.488	871.05000
HO	77769	06-MAR-2010	01:39:30.672	01:50:39.868	669.19600
MM	77769	06-MAR-2010	01:51:06.423	02:00:33.886	567.46300
BE	77770	06-MAR-2010	02:56:02.123	03:09:26.614	804.49100
CM	77770	06-MAR-2010	04:03:27.295	04:15:52.516	745.22100
BE	77771	06-MAR-2010	04:36:28.898	04:46:25.027	596.12900
JO	77772	06-MAR-2010	06:39:43.886	06:49:24.342	580.45600

MA	77773	06-MAR-2010	08:01:42.968	08:10:09.417	506.44900
JO	77773	06-MAR-2010	08:15:39.812	08:30:41.484	901.67200
MA	77775	06-MAR-2010	11:19:35.233	11:28:08.897	513.66400
SG	77776	06-MAR-2010	14:05:37.346	14:13:47.234	489.88800
BE	77777	06-MAR-2010	14:12:39.857	14:26:04.308	804.45100
MM	77777	06-MAR-2010	15:18:46.299	15:31:25.094	758.79500
GS	77777	06-MAR-2010	14:40:00.385	14:50:53.533	653.14800
BE	77778	06-MAR-2010	15:55:42.728	16:03:16.679	453.95100
GS	77778	06-MAR-2010	16:18:48.906	16:32:36.400	827.49400
CM	77778	06-MAR-2010	16:27:25.738	16:39:50.997	745.25900
GS	77779	06-MAR-2010	17:59:24.525	18:08:44.995	560.47000
JO	77779	06-MAR-2010	19:00:16.446	19:06:30.545	374.09900
MM	77780	06-MAR-2010	20:16:28.408	20:29:12.060	763.65200
MA	77780	06-MAR-2010	19:19:03.593	19:27:39.455	515.86200
JO	77780	06-MAR-2010	20:35:44.773	20:50:43.867	899.09400
HO	77781	06-MAR-2010	21:51:29.030	22:00:32.920	543.89000
MM	77781	06-MAR-2010	21:56:19.662	22:08:54.379	754.71700
MA	77781	06-MAR-2010	20:54:15.177	21:07:57.407	822.23000
JO	77781	06-MAR-2010	22:16:33.861	22:27:23.006	649.14500
HO	77782	06-MAR-2010	23:26:55.039	23:41:11.639	856.60000
MM	77782	06-MAR-2010	23:37:04.388	23:48:51.254	706.86600
MA	77782	06-MAR-2010	22:39:11.060	22:45:05.641	354.58100

[ [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

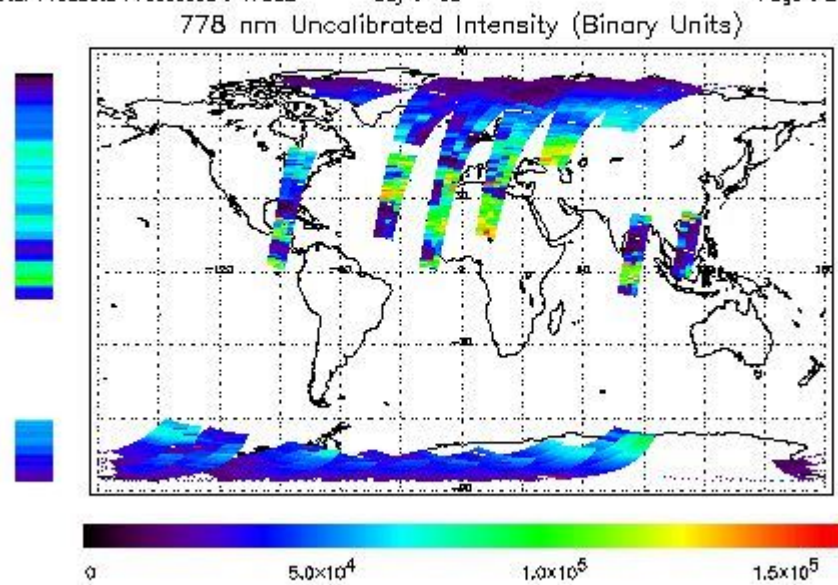
Integration Times Band 2A	OK
Integration Times Band 2B	OK
Integration Times Band 3	OK
Integration Times Band 4	OK
Scan Mirror position	OK
Polarization Detectors	OK
FPA Temperatures A	OK
FPA Temperaturas B	OK
Charge Amp Temperatures	OK
Other Temperatures A	OK
DDHU Temperatures	OK
Optical Bench Temperatures	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 : 06-MAR-2010 00:09:57.426 : ORBIT : 77768.6559  
 Last Product : 06-MAR-2010 22:58:11.828 : ORBIT : 77782.2568  
 Total Products Processed : 17582 Day : 65 Page : 21



### Ozone Line Ratio

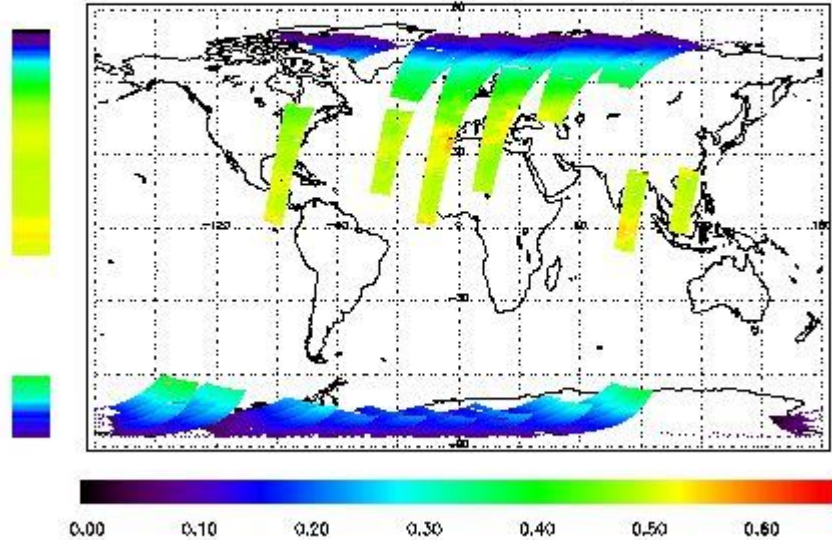
First Product : 06-MAR-2010 00:09:57.426 : ORBIT : 77768.6559

Last Product : 06-MAR-2010 22:58:11.826 : ORBIT : 77782.2568

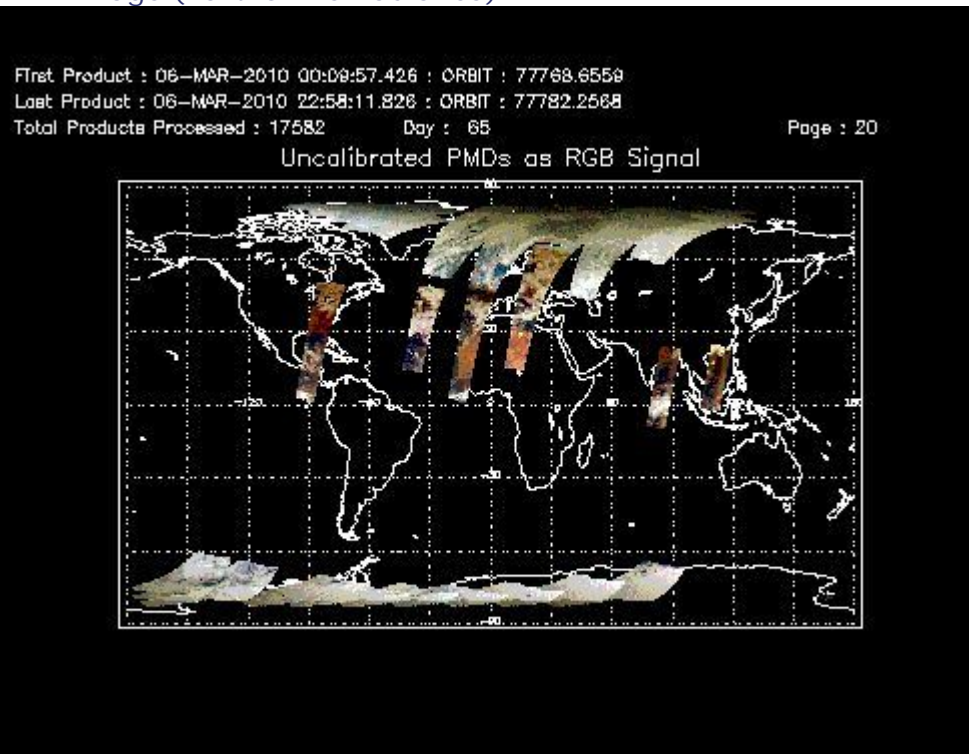
Total Products Processed : 17582 Day : 65

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

### 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
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### 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
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[ [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