

# 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	25-JUN-2010
Start Time of First Product	00:21:13
Stop Time of Last Product	23:09:10
Number of EGOI Products analysed	35
Number of corrupted products	--
Anomalies and/or Special Operations	<i>Narrow Swath continued from previous day, stop orbit 79369</i>

### 1.2 - List of received products

Name	Date	Time
EGOI_100625BEEP3126.E2	25-JUN-2010	03:09:06.982
EGOI_100625BEEP3132.E2	25-JUN-2010	04:49:54.095
EGOI_100625GSEP9299.E2	25-JUN-2010	01:06:09.240
EGOI_100625GSEP9331.E2	25-JUN-2010	02:42:38.326
EGOI_100625GSEP9360.E2	25-JUN-2010	04:23:53.939
EGOI_100625GSEP9367.E2	25-JUN-2010	06:06:05.060
EGOI_100625KSEP6188.E2	25-JUN-2010	06:24:08.170
EGOI_100625KSEP6205.E2	25-JUN-2010	08:03:58.279
EGOI_100625KSEP6223.E2	25-JUN-2010	09:43:37.884

EGOI_100625KSEP6245.E2	25-JUN-2010	11:23:15.990
EGOI_100625KSEP6268.E2	25-JUN-2010	13:02:22.595
EGOI_100625KSEP6279.E2	25-JUN-2010	14:41:11.197
EGOI_100625KSEP6301.E2	25-JUN-2010	16:18:52.291
EGOI_100625KSEP6330.E2	25-JUN-2010	17:56:57.401
EGOI_100625KSEP6362.E2	25-JUN-2010	19:34:56.491
EGOI_100625KSEP6393.E2	25-JUN-2010	21:15:21.105
EGOI_100625KSEP6419.E2	25-JUN-2010	22:57:54.726
EGOI_100625MAEP3724.E2	25-JUN-2010	08:12:22.330
EGOI_100625MAEP3740.E2	25-JUN-2010	09:51:04.927
EGOI_100625MAEP3758.E2	25-JUN-2010	11:32:08.545
EGOI_100625MMEP0165.E2	25-JUN-2010	00:21:13.466
EGOI_100625MMEP0172.E2	25-JUN-2010	02:03:17.084
EGOI_100625MMEP0182.E2	25-JUN-2010	08:51:06.064
EGOI_100625MMEP0190.E2	25-JUN-2010	10:31:32.174
EGOI_100625MMEP0196.E2	25-JUN-2010	12:11:41.787
EGOI_100625MMEP0206.E2	25-JUN-2010	13:51:16.896
EGOI_100625MSEP0115.E2	25-JUN-2010	00:59:52.701
EGOI_100625MSEP0131.E2	25-JUN-2010	09:59:31.978
EGOI_100625MSEP0156.E2	25-JUN-2010	11:36:16.068
EGOI_100625MSEP0179.E2	25-JUN-2010	13:17:15.185
EGOI_100625MSEP0211.E2	25-JUN-2010	22:45:03.651
EGOI_100625SGEP6573.E2	25-JUN-2010	03:19:43.049
EGOI_100625SGEP6579.E2	25-JUN-2010	05:02:19.674
EGOI_100625SGEP6586.E2	25-JUN-2010	14:17:00.552
EGOI_100625SGEP6593.E2	25-JUN-2010	15:55:16.150

[ [BACK TO MENU](#) ]

### 1.3 - List of data gaps

Station	Orbit	Date	Start Time	Stop Time	Duration (s)
KS	79362	25-JUN-2010	08:02:23.344	08:03:58.279	94.935000
KS	79363	25-JUN-2010	09:42:00.123	09:43:37.884	97.761000
KS	79364	25-JUN-2010	11:21:33.407	11:23:15.990	102.58300
KS	79365	25-JUN-2010	13:00:45.565	13:02:22.594	97.029000
KS	79366	25-JUN-2010	14:39:28.864	14:41:11.197	102.33300
KS	79367	25-JUN-2010	16:17:09.059	16:18:52.291	103.23200
KS	79368	25-JUN-2010	17:55:00.886	17:56:57.400	116.51400
KS	79369	25-JUN-2010	19:33:41.382	19:34:56.490	75.108000
KS	79370	25-JUN-2010	21:14:07.336	21:15:21.104	73.768000
GS	79358	25-JUN-2010	01:04:44.472	01:06:09.240	84.768000
GS	79359	25-JUN-2010	02:41:23.555	02:42:38.325	74.770000
GS	79360	25-JUN-2010	04:22:44.876	04:23:53.938	69.062000

MS	79364	25-JUN-2010	11:34:30.474	11:36:16.067	105.59300
MS	79365	25-JUN-2010	13:15:33.702	13:17:15.185	101.48300
MS	79371	25-JUN-2010	22:43:53.334	22:45:03.650	70.316000
MA	79363	25-JUN-2010	09:50:02.641	09:51:04.926	62.285000
BE	79359	25-JUN-2010	03:07:23.468	03:09:06.982	103.51400
BE	79360	25-JUN-2010	04:48:11.050	04:49:54.094	103.04400
SG	79359	25-JUN-2010	03:18:25.975	03:19:43.049	77.074000
SG	79359	25-JUN-2010	03:27:07.091	03:32:16.170	309.07900
SG	79360	25-JUN-2010	05:01:03.729	05:02:19.673	75.944000
SG	79366	25-JUN-2010	15:53:22.093	15:55:16.149	114.05600
SG	79366	25-JUN-2010	16:01:22.188	16:06:46.622	324.43400

[ [BACK TO MENU](#) ]

#### 1.4 - List of missing products

Station	Orbit	Date	Start Time	Stop Time	Duration (s)
HO	79357	25-JUN-2010	00:09:13.585	00:23:50.792	877.20700
HO	79358	25-JUN-2010	01:52:05.857	02:01:33.979	568.12200
MM	79359	25-JUN-2010	03:45:52.486	03:52:43.878	411.39200
MI	79359	25-JUN-2010	02:37:27.825	02:49:21.770	713.94500
CM	79359	25-JUN-2010	02:39:34.343	02:44:54.385	320.04200
CM	79359	25-JUN-2010	04:14:49.444	04:27:11.013	741.56900
MM	79360	25-JUN-2010	05:28:36.725	05:34:23.868	347.14300
MI	79360	25-JUN-2010	04:16:33.629	04:28:38.511	724.88200
MM	79361	25-JUN-2010	07:10:02.383	07:17:18.002	435.61900
JO	79361	25-JUN-2010	06:50:14.624	07:01:17.081	662.45700
JO	79362	25-JUN-2010	08:27:02.650	08:42:00.520	897.87000
SG	79365	25-JUN-2010	14:16:00.871	14:25:59.436	598.56500
BE	79366	25-JUN-2010	14:24:04.913	14:37:23.843	798.93000
MM	79366	25-JUN-2010	15:30:07.764	15:42:45.472	757.70800
MI	79366	25-JUN-2010	14:57:42.111	15:08:43.413	661.30200
GS	79366	25-JUN-2010	14:51:10.064	15:03:36.334	746.27000
CM	79366	25-JUN-2010	15:03:02.022	15:08:00.326	298.30400
MM	79367	25-JUN-2010	17:09:22.503	17:21:54.062	751.55900
MI	79367	25-JUN-2010	16:36:14.693	16:48:52.656	757.96300
GS	79367	25-JUN-2010	16:30:13.414	16:43:49.817	816.40300
CM	79367	25-JUN-2010	16:38:48.404	16:51:07.689	739.28500

MM	79368	25-JUN-2010	18:48:30.537	19:01:07.161	756.62400
GS	79368	25-JUN-2010	18:11:04.960	18:19:22.030	497.07000
JO	79368	25-JUN-2010	19:10:25.447	19:19:16.977	531.53000
MM	79369	25-JUN-2010	20:27:50.994	20:40:34.944	763.95000
MA	79369	25-JUN-2010	19:27:53.330	19:39:19.129	685.79900
JO	79369	25-JUN-2010	20:47:04.315	21:02:05.896	901.58100
HO	79370	25-JUN-2010	22:01:54.496	22:12:13.831	619.33500
MM	79370	25-JUN-2010	22:07:47.478	22:20:19.042	751.56400
MA	79370	25-JUN-2010	21:05:56.360	21:19:16.456	800.09600
JO	79370	25-JUN-2010	22:28:28.287	22:37:51.571	563.28400
HO	79371	25-JUN-2010	23:38:11.695	23:52:34.855	863.16000
MM	79371	25-JUN-2010	23:48:39.233	00:00:17.457	698.22400

[ [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

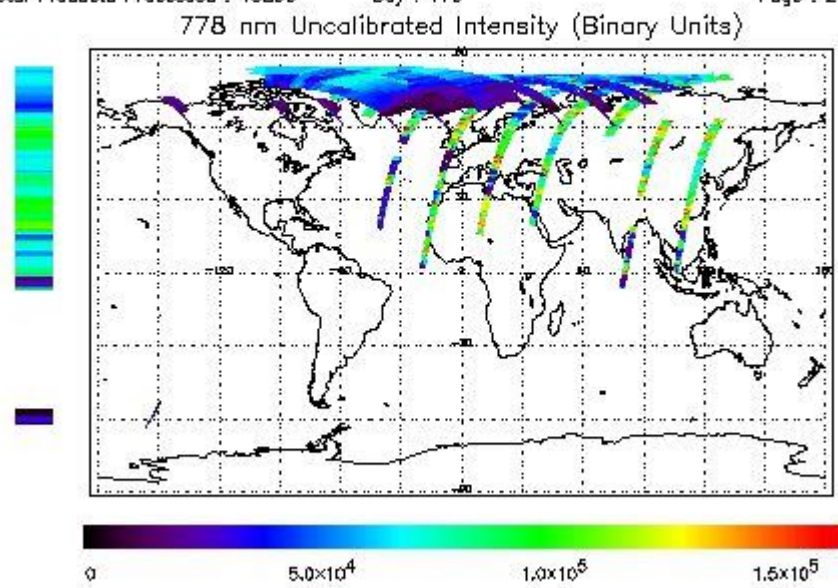
Scan Mirror and Motor Current	OK
Selected Temperature A	OK
Selected Temperature B	OK
Selected Temperature C	OK
Channel 1 Summation	OK
Channel 2 Summation	OK
Channel 4 Summation	OK
Log Pages	OK
331/338 nm Uncal. Line Ratio	OK
Uncal. PMDs as RGB signal	OK
780 nm Uncal. Intensity	OK

## 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 : 25-JUN-2010 00:21:13.466 : ORBIT : 79357.6536  
 Last Product : 25-JUN-2010 23:09:09.796 : ORBIT : 79371.2515  
 Total Products Processed : 15898 Day : 176 Page : 21

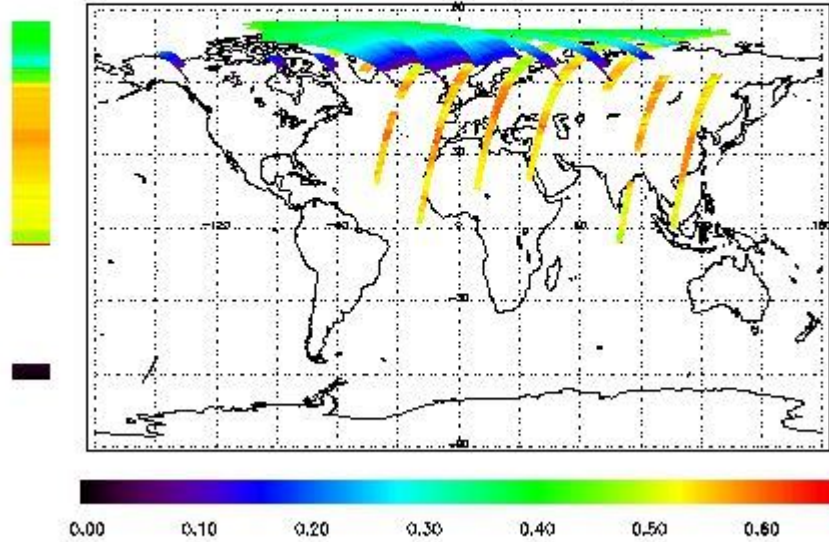


### Ozone Line Ratio

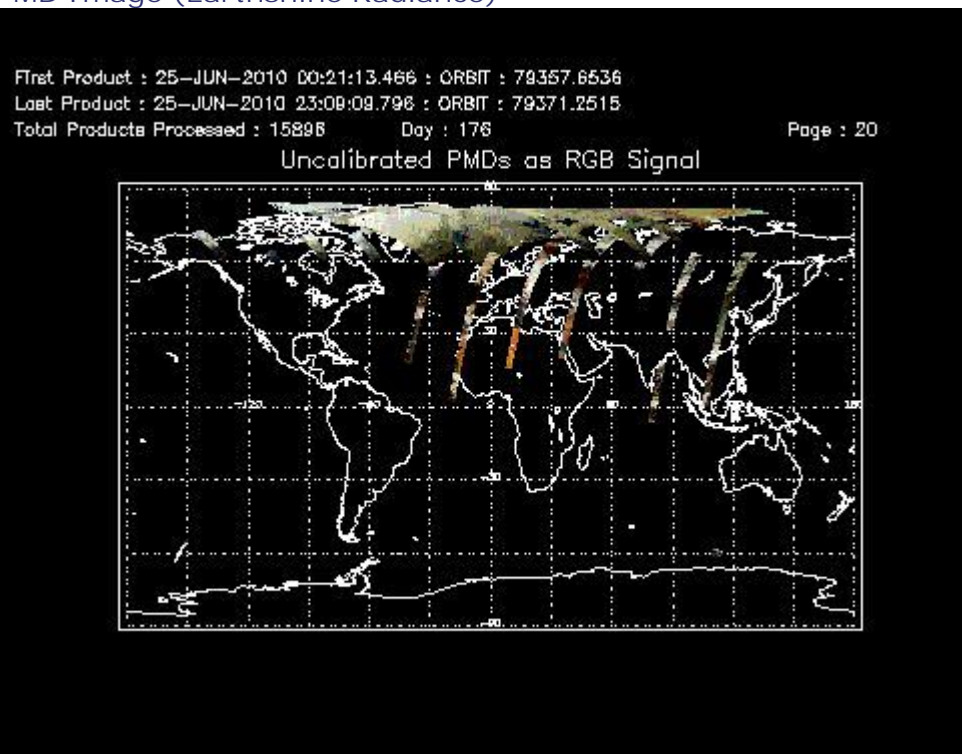
First Product : 25-JUN-2010 00:21:13.466 : ORBIT : 79357.6536  
 Last Product : 25-JUN-2010 23:09:09.796 : ORBIT : 79371.2515  
 Total Products Processed : 15896 Day : 176

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	19:38:35.518	--	79369	Yes	--	14569

#### 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
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### 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
79354	79369	18:00	20:00

## 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