

# 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	20-JUN-2010
Start Time of First Product	00:14:19
Stop Time of Last Product	22:26:29
Number of EGOI Products analysed	24
Number of corrupted products	--
Anomalies and/or Special Operations	Nominal Data

### 1.2 - List of received products

Name	Date	Time
EGOI_100620BEEP3084.E2	20-JUN-2010	04:06:17.989
EGOI_100620GSEP8941.E2	20-JUN-2010	02:00:53.228
EGOI_100620GSEP8972.E2	20-JUN-2010	03:39:56.829
EGOI_100620GSEP8981.E2	20-JUN-2010	05:22:28.954
EGOI_100620KSEP4910.E2	20-JUN-2010	07:20:56.680
EGOI_100620KSEP4929.E2	20-JUN-2010	09:00:54.290
EGOI_100620KSEP4951.E2	20-JUN-2010	10:40:33.900
EGOI_100620KSEP4976.E2	20-JUN-2010	12:19:57.006
EGOI_100620KSEP5004.E2	20-JUN-2010	13:58:54.613

EGOI_100620KSEP5029.E2	20-JUN-2010	15:37:05.707
EGOI_100620KSEP5058.E2	20-JUN-2010	17:14:45.303
EGOI_100620KSEP5090.E2	20-JUN-2010	18:52:39.901
EGOI_100620KSEP5121.E2	20-JUN-2010	20:31:57.008
EGOI_100620KSEP5149.E2	20-JUN-2010	22:13:42.634
EGOI_100620MAEP3524.E2	20-JUN-2010	09:08:21.333
EGOI_100620MAEP3538.E2	20-JUN-2010	10:48:17.447
EGOI_100620MSEP9536.E2	20-JUN-2010	00:14:19.574
EGOI_100620MSEP9563.E2	20-JUN-2010	10:54:02.483
EGOI_100620MSEP9591.E2	20-JUN-2010	12:33:24.089
EGOI_100620MSEP9620.E2	20-JUN-2010	22:03:53.067
EGOI_100620SGEP6441.E2	20-JUN-2010	02:47:28.009
EGOI_100620SGEP6448.E2	20-JUN-2010	04:24:25.599
EGOI_100620SGEP6454.E2	20-JUN-2010	15:12:05.555
EGOI_100620SGEP6461.E2	20-JUN-2010	16:54:30.184

[ [BACK TO MENU](#) ]

### 1.3 - List of data gaps

Station	Orbit	Date	Start Time	Stop Time	Duration (s)
KS	79290	20-JUN-2010	07:19:46.642	07:20:56.680	70.038000
KS	79291	20-JUN-2010	08:59:17.990	09:00:54.289	96.299000
KS	79292	20-JUN-2010	10:38:54.961	10:40:33.900	98.939000
KS	79293	20-JUN-2010	12:18:18.459	12:19:57.006	98.547000
KS	79294	20-JUN-2010	13:57:12.507	13:58:54.613	102.10600
KS	79295	20-JUN-2010	15:35:15.524	15:37:05.707	110.18300
KS	79296	20-JUN-2010	17:13:03.624	17:14:45.303	101.67900
KS	79297	20-JUN-2010	18:51:11.964	18:52:39.901	87.937000
KS	79298	20-JUN-2010	20:30:50.055	20:31:57.007	66.952000
KS	79299	20-JUN-2010	22:12:30.839	22:13:42.633	71.794000
GS	79287	20-JUN-2010	01:59:24.256	02:00:53.227	88.971000
GS	79288	20-JUN-2010	03:38:38.445	03:39:56.828	78.383000
MS	79286	20-JUN-2010	00:12:59.991	00:14:19.574	79.583000
MS	79292	20-JUN-2010	10:52:20.010	10:54:02.482	102.47200
MS	79293	20-JUN-2010	12:31:36.407	12:33:24.088	107.68100
MS	79299	20-JUN-2010	22:02:36.663	22:03:53.066	76.403000
MS	79300	20-JUN-2010	23:40:45.438	23:42:08.673	83.235000
MA	79292	20-JUN-2010	10:47:02.172	10:48:17.447	75.275000
BE	79288	20-JUN-2010	04:04:36.985	04:06:17.989	101.00400
SG	79287	20-JUN-2010	02:36:50.175	02:47:28.008	637.83300

SG	79288	20-JUN-2010	04:15:48.465	04:24:25.598	517.13300
SG	79294	20-JUN-2010	15:10:43.200	15:12:05.555	82.355000
SG	79295	20-JUN-2010	16:52:40.113	16:54:30.184	110.07100

[ [BACK TO MENU](#) ]

#### 1.4 - List of missing products

Station	Orbit	Date	Start Time	Stop Time	Duration (s)
HO	79286	20-JUN-2010	01:06:59.628	01:20:11.188	791.56000
MM	79286	20-JUN-2010	01:18:53.437	01:29:01.653	608.21600
BE	79287	20-JUN-2010	02:24:58.690	02:37:52.032	773.34200
MM	79287	20-JUN-2010	03:01:40.394	03:09:30.268	469.87400
MI	79287	20-JUN-2010	01:57:32.479	02:05:02.814	450.33500
CM	79287	20-JUN-2010	03:32:40.891	03:44:24.303	703.41200
MM	79288	20-JUN-2010	04:44:42.856	04:50:39.273	356.41700
MI	79288	20-JUN-2010	03:33:16.254	03:46:38.629	802.37500
CM	79288	20-JUN-2010	05:13:22.242	05:22:18.677	536.43500
MM	79289	20-JUN-2010	06:26:43.257	06:33:06.594	383.33700
MI	79289	20-JUN-2010	05:18:28.213	05:21:00.785	152.57200
MM	79290	20-JUN-2010	08:07:34.601	08:16:11.796	517.19500
JO	79290	20-JUN-2010	07:44:45.125	07:59:20.071	874.94600
MM	79291	20-JUN-2010	09:47:55.803	09:58:41.960	646.15700
JO	79291	20-JUN-2010	09:25:13.314	09:37:43.294	749.98000
MM	79292	20-JUN-2010	11:28:01.620	11:40:09.474	727.85400
MM	79293	20-JUN-2010	13:07:53.930	13:20:34.875	760.94500
HO	79294	20-JUN-2010	14:57:09.858	15:06:27.821	557.96300
MM	79294	20-JUN-2010	14:47:31.154	15:00:12.740	761.58600
MI	79294	20-JUN-2010	14:19:11.823	14:21:27.264	135.44100
GS	79294	20-JUN-2010	14:09:41.975	14:18:45.794	543.81900
SG	79294	20-JUN-2010	15:10:43.200	15:24:27.420	824.22000
BE	79295	20-JUN-2010	15:22:20.787	15:33:23.582	662.79500
MM	79295	20-JUN-2010	16:26:52.055	16:39:25.084	753.02900
MI	79295	20-JUN-2010	15:53:25.703	16:06:47.959	802.25600
GS	79295	20-JUN-2010	15:47:32.553	16:01:27.094	834.54100
CM	79295	20-JUN-2010	15:56:31.395	16:08:20.523	709.12800
MM	79296	20-JUN-2010	18:06:01.188	18:18:34.395	753.20700
MI	79296	20-JUN-2010	17:34:59.823	17:42:34.048	454.22500

GS	79296	20-JUN-2010	17:27:34.153	17:39:04.764	690.61100
CM	79296	20-JUN-2010	17:36:57.920	17:45:51.225	533.30500
MM	79297	20-JUN-2010	19:45:13.459	19:57:55.270	761.81100
MA	79297	20-JUN-2010	18:50:20.596	18:54:34.885	254.28900
JO	79297	20-JUN-2010	20:04:51.775	20:19:04.102	852.32700
MM	79298	20-JUN-2010	21:24:51.741	21:37:32.539	760.79800
MA	79298	20-JUN-2010	20:23:10.872	20:36:57.638	826.76600
JO	79298	20-JUN-2010	21:44:23.701	21:57:46.824	803.12300
HO	79299	20-JUN-2010	22:56:27.377	23:09:45.920	798.54300
MM	79299	20-JUN-2010	23:05:17.952	23:17:25.073	727.12100
MA	79299	20-JUN-2010	22:05:21.921	22:15:25.498	603.57700
KS	79300	20-JUN-2010	23:57:17.100	00:03:03.086	345.98600

[ BACK TO MENU ]

## 1.5 - List of corrupted products

Station	Orbit	Time
---------	-------	------

## 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

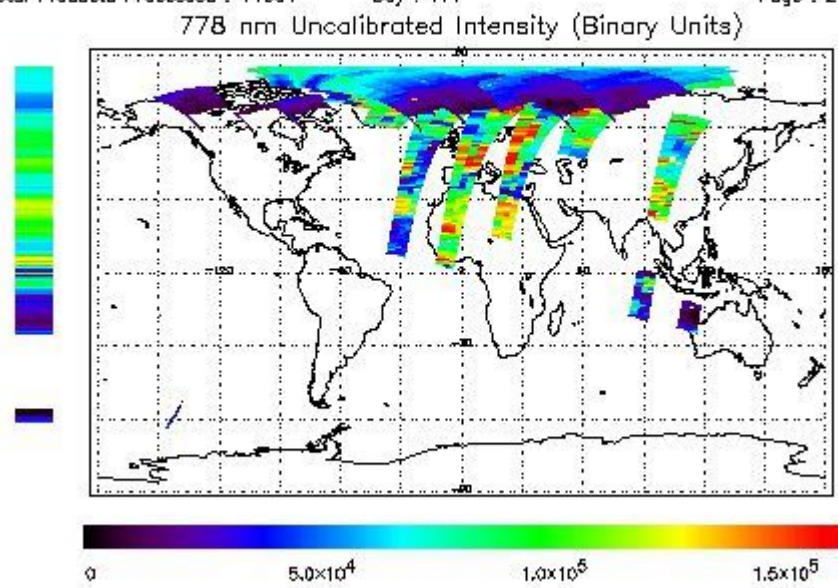
Scan Mirror and Motor Current	OK
Selected Temperature A	OK
Selected Temperature B	OK
Selected Temperature C	OK
Channel 1 Summation	OK
Channel 2 Summation	OK
Channel 4 Summation	OK
Log Pages	OK
331/338 nm Uncal. Line Ratio	OK
Uncal. PMDs as RGB signal	OK
780 nm Uncal. Intensity	OK

## 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 : 20-JUN-2010 00:14:19.574 : ORBIT : 79286.0136  
 Last Product : 20-JUN-2010 22:26:29.204 : ORBIT : 79299.2559  
 Total Products Processed : 11661 Day : 171 Page : 21

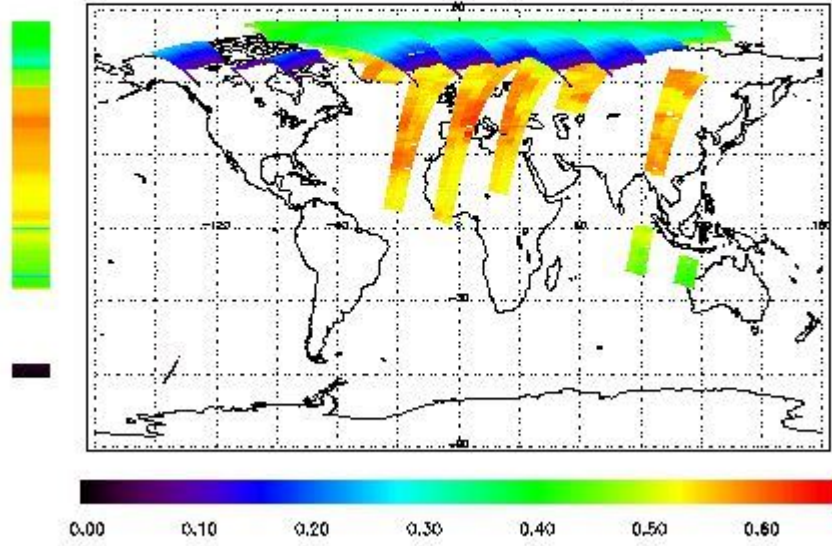


### Ozone Line Ratio

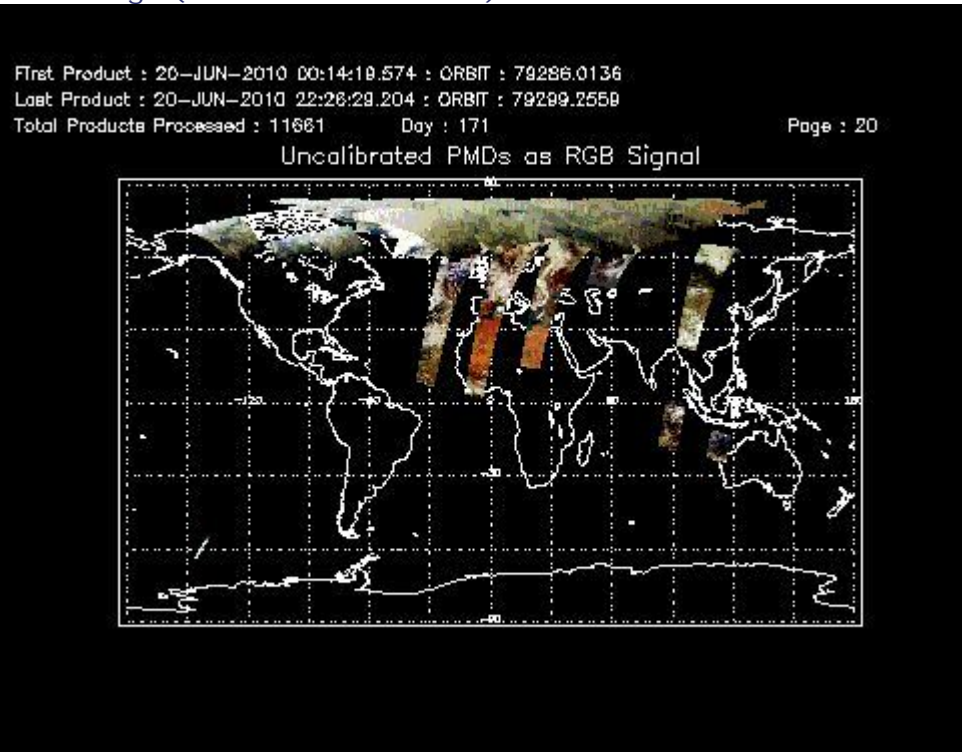
First Product : 20-JUN-2010 00:14:10.574 : ORBIT : 79286.0136  
 Last Product : 20-JUN-2010 22:26:29.204 : ORBIT : 79299.2559  
 Total Products Processed : 11661 Day : 171

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	18:55:23.416	--	79297	Yes	--	14290

#### 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)
--	--	--	--	--	--	--	--



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

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

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

### 5.5 - Narrow Swath Timeline

Start Time	End Time	Start Orbit	End Orbit
--	--	--	--

## 5.6 - Seasonal Operations

Start Time	End Time	Start Orbit	End Orbit
--	--	--	--

[ [BACK TO MENU](#) ]

---

(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