

# 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-JUL-2010
Start Time of First Product	00:47:25
Stop Time of Last Product	23:50:52
Number of EGOI Products analysed	37
Number of corrupted products	--
Anomalies and/or Special Operations	Narrow Swath performed as planned, start orbit 79784

### 1.2 - List of received products

Name	Date	Time
EGOI_100724GSEP1297.E2	24-JUL-2010	00:54:55.034
EGOI_100724GSEP1328.E2	24-JUL-2010	02:31:43.620
EGOI_100724GSEP1358.E2	24-JUL-2010	04:12:17.230
EGOI_100724GSEP1365.E2	24-JUL-2010	05:54:43.355
EGOI_100724HLEP6248.E2	24-JUL-2010	12:15:06.670
EGOI_100724HLEP6255.E2	24-JUL-2010	13:54:32.780
EGOI_100724HLEP6266.E2	24-JUL-2010	21:57:37.714
EGOI_100724HLEP6272.E2	24-JUL-2010	23:28:38.271
EGOI_100724KSEP2459.E2	24-JUL-2010	06:12:58.460

EGOI_100724KSEP2478.E2	24-JUL-2010	07:52:47.078
EGOI_100724KSEP2502.E2	24-JUL-2010	09:32:25.176
EGOI_100724KSEP2533.E2	24-JUL-2010	11:12:01.786
EGOI_100724KSEP2562.E2	24-JUL-2010	12:51:15.888
EGOI_100724KSEP2572.E2	24-JUL-2010	14:30:07.491
EGOI_100724KSEP2598.E2	24-JUL-2010	16:07:50.089
EGOI_100724KSEP2627.E2	24-JUL-2010	17:45:46.675
EGOI_100724KSEP2659.E2	24-JUL-2010	19:23:45.776
EGOI_100724KSEP2685.E2	24-JUL-2010	21:03:50.886
EGOI_100724KSEP2694.E2	24-JUL-2010	22:46:24.508
EGOI_100724MAEP4814.E2	24-JUL-2010	20:56:16.339
EGOI_100724MIEP7062.E2	24-JUL-2010	02:28:12.101
EGOI_100724MIEP7090.E2	24-JUL-2010	04:07:17.198
EGOI_100724MIEP7115.E2	24-JUL-2010	14:48:24.104
EGOI_100724MIEP7128.E2	24-JUL-2010	16:26:27.698
EGOI_100724MMEP1843.E2	24-JUL-2010	01:51:47.882
EGOI_100724MMEP1849.E2	24-JUL-2010	03:34:36.499
EGOI_100724MMEP1860.E2	24-JUL-2010	10:20:17.969
EGOI_100724MMEP1866.E2	24-JUL-2010	12:00:41.080
EGOI_100724MMEP1878.E2	24-JUL-2010	16:59:18.897
EGOI_100724MMEP1886.E2	24-JUL-2010	18:38:53.003
EGOI_100724MMEP1892.E2	24-JUL-2010	20:17:49.108
EGOI_100724MMEP1902.E2	24-JUL-2010	21:58:04.719
EGOI_100724MMEP1910.E2	24-JUL-2010	23:38:21.826
EGOI_100724MSEP3481.E2	24-JUL-2010	00:47:24.987
EGOI_100724MSEP3501.E2	24-JUL-2010	11:25:04.865
EGOI_100724MSEP3525.E2	24-JUL-2010	13:05:54.983
EGOI_100724MSEP3552.E2	24-JUL-2010	22:34:12.438

[ [BACK TO MENU](#) ]

### 1.3 - List of data gaps

Station	Orbit	Date	Start Time	Stop Time	Duration (s)
KS	79777	24-JUL-2010	07:51:01.018	07:52:47.077	106.05900
KS	79778	24-JUL-2010	09:30:36.901	09:32:25.176	108.27500
KS	79779	24-JUL-2010	11:10:11.470	11:12:01.786	110.31600
KS	79780	24-JUL-2010	12:49:27.008	12:51:15.887	108.87900
KS	79781	24-JUL-2010	14:28:14.105	14:30:07.491	113.38600
KS	79782	24-JUL-2010	16:05:58.070	16:07:50.089	112.01900
KS	79783	24-JUL-2010	17:43:53.573	17:45:46.675	113.10200
KS	79784	24-JUL-2010	19:22:19.837	19:23:45.776	85.939000
KS	79785	24-JUL-2010	21:02:32.368	21:03:50.885	78.517000
KS	79786	24-JUL-2010	22:45:00.916	22:46:24.507	83.591000

GS	79774	24-JUL-2010	02:30:09.870	02:31:43.620	93.750000
GS	79775	24-JUL-2010	04:10:51.570	04:12:17.230	85.660000
MS	79779	24-JUL-2010	11:23:09.473	11:25:04.864	115.39100
MS	79780	24-JUL-2010	13:03:45.603	13:05:54.983	129.38000
MS	79786	24-JUL-2010	22:32:45.338	22:34:12.438	87.100000
MA	79785	24-JUL-2010	20:54:15.177	20:56:16.339	121.16200
MI	79774	24-JUL-2010	02:26:35.742	02:28:12.100	96.358000
MI	79775	24-JUL-2010	04:04:52.996	04:07:17.197	144.20100
MI	79781	24-JUL-2010	14:46:51.744	14:48:24.103	92.359000
MI	79782	24-JUL-2010	16:24:45.078	16:26:27.698	102.62000
MM	79779	24-JUL-2010	11:59:26.422	12:00:41.079	74.657000
MM	79782	24-JUL-2010	16:58:02.560	16:59:18.897	76.337000
MM	79783	24-JUL-2010	18:37:10.574	18:38:53.002	102.42800
MM	79784	24-JUL-2010	20:16:28.408	20:17:49.108	80.700000
MM	79785	24-JUL-2010	21:56:19.662	21:58:04.719	105.05700
MM	79786	24-JUL-2010	23:37:04.389	23:38:21.826	77.437000

[ [BACK TO MENU](#) ]

#### 1.4 - List of missing products

Station	Orbit	Date	Start Time	Stop Time	Duration (s)
HO	79772	23-JUL-2010	23:57:58.439	00:12:29.489	871.05000
MM	79772	24-JUL-2010	00:08:57.291	00:20:18.730	681.43900
HO	79773	24-JUL-2010	01:39:30.673	01:50:39.869	669.19600
BE	79774	24-JUL-2010	02:56:02.124	03:09:26.615	804.49100
SG	79774	24-JUL-2010	03:07:12.532	03:20:50.061	817.52900
CM	79774	24-JUL-2010	04:03:27.296	04:15:52.517	745.22100
BE	79775	24-JUL-2010	04:36:28.899	04:46:25.028	596.12900
MM	79775	24-JUL-2010	05:16:55.919	05:22:42.337	346.41800
SG	79775	24-JUL-2010	04:48:36.260	04:57:32.557	536.29700
MM	79776	24-JUL-2010	06:58:30.313	07:05:30.700	420.38700
JO	79776	24-JUL-2010	06:39:43.886	06:49:24.342	580.45600
MM	79777	24-JUL-2010	08:39:09.102	08:48:30.581	561.47900
MA	79777	24-JUL-2010	08:01:42.968	08:10:09.417	506.44900
JO	79777	24-JUL-2010	08:15:39.812	08:30:41.484	901.67200
MA	79778	24-JUL-2010	09:38:41.233	09:52:21.596	820.36300
MA	79779	24-JUL-2010	11:19:35.234	11:28:08.898	513.66400

MM	79780	24-JUL-2010	13:39:14.213	13:51:57.818	763.60500
SG	79780	24-JUL-2010	14:05:37.347	14:13:47.235	489.88800
BE	79781	24-JUL-2010	14:12:39.858	14:26:04.309	804.45100
MM	79781	24-JUL-2010	15:18:46.300	15:31:25.095	758.79500
GS	79781	24-JUL-2010	14:40:00.386	14:50:53.534	653.14800
SG	79781	24-JUL-2010	15:41:52.821	15:55:36.398	823.57700
BE	79782	24-JUL-2010	15:55:42.729	16:03:16.680	453.95100
GS	79782	24-JUL-2010	16:18:48.907	16:32:36.401	827.49400
CM	79782	24-JUL-2010	16:27:25.739	16:39:50.998	745.25900
GS	79783	24-JUL-2010	17:59:24.525	18:08:44.995	560.47000
JO	79783	24-JUL-2010	19:00:16.446	19:06:30.545	374.09900
MA	79784	24-JUL-2010	19:19:03.593	19:27:39.455	515.86200
JO	79784	24-JUL-2010	20:35:44.773	20:50:43.867	899.09400
HO	79785	24-JUL-2010	21:51:29.030	22:00:32.920	543.89000
JO	79785	24-JUL-2010	22:16:33.861	22:27:23.006	649.14500
HO	79786	24-JUL-2010	23:26:55.040	23:41:11.640	856.60000
MA	79786	24-JUL-2010	22:39:11.061	22:45:05.642	354.58100

[ [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

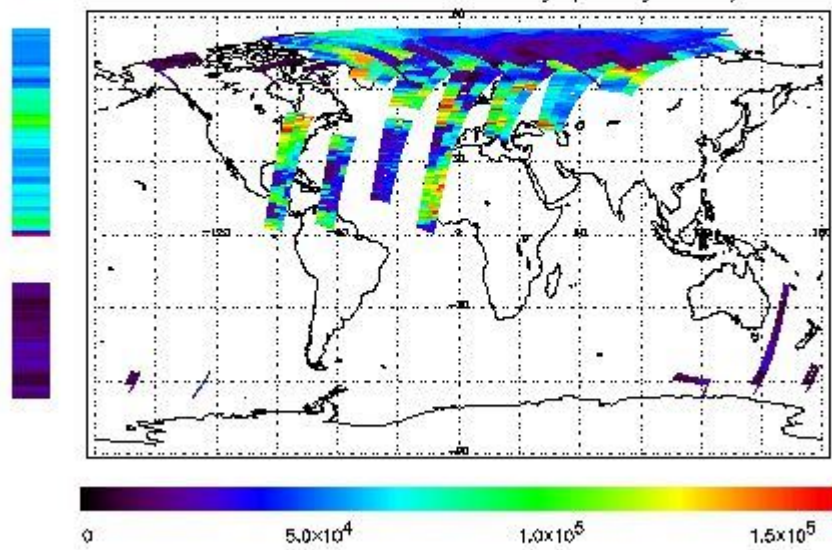
## 2.2 - Daily Plots

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

Fret Product : 24-JUL-2010 00:47:24.987 : ORBIT : 79773.0282  
 Last Product : 24-JUL-2010 23:50:51.904 : ORBIT : 79786.7804  
 Total Products Processed : 17763 Day : 205 Page : 21

778 nm Uncalibrated Intensity (Binary Units)

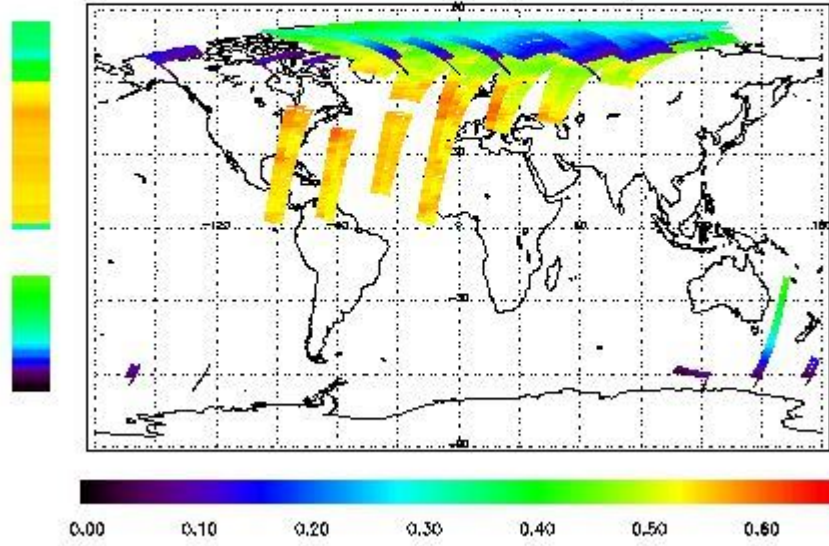


### Ozone Line Ratio

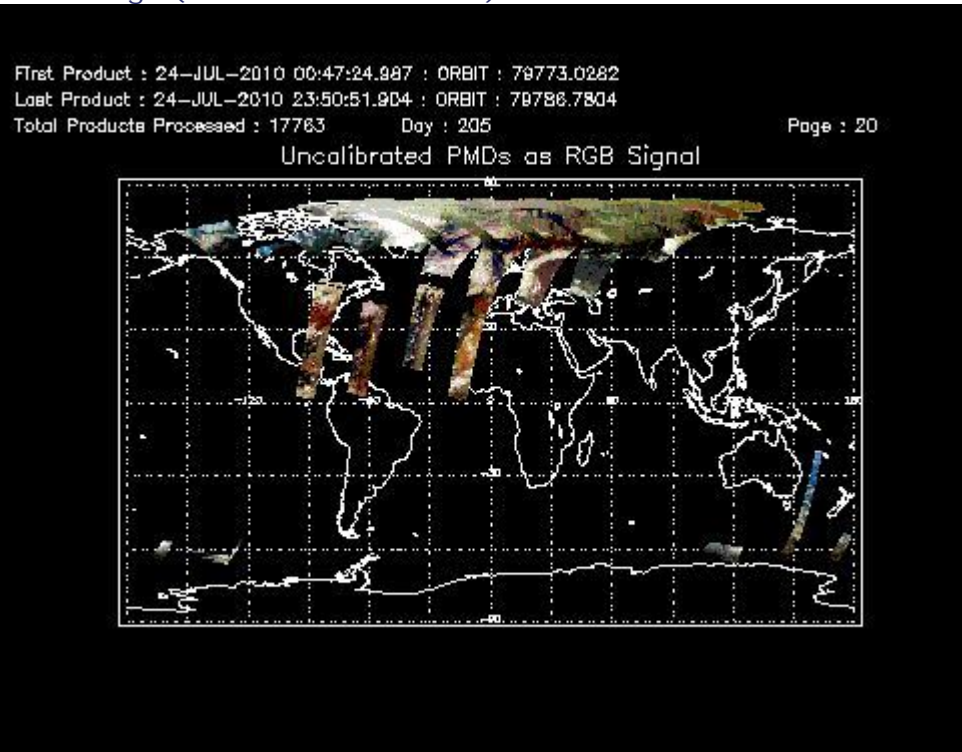
First Product : 24-JUL-2010 00:47:24.987 : ORBIT : 79773.0282  
 Last Product : 24-JUL-2010 23:50:51.904 : ORBIT : 79786.7804  
 Total Products Processed : 17783 Day : 205

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	17:47:31.686	--	79783	Yes	--	14740

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



[ BACK TO MENU ]

## 4 - Instrument Anomalies

### 4.1 - Single Event Upset (SEU)

Start Time	End Time	Start Orbit	End Orbit	Ground Station Visibility
--	--	--	_visi	--

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

[ BACK TO MENU ]

## 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
19:00	--	79784	--

## 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