

# 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	13-FEB-2011
Start Time of First Product	00:36:01
Stop Time of Last Product	22:47:21
Number of EGOI Products analysed	33
Number of corrupted products	--
Anomalies and/or Special Operations	Nominal Data

### 1.2 - List of received products

Name	Date	Time
EGOI_110213CMEP4068.E2	13-FEB-2011	03:56:25.873
EGOI_110213CMEP4073.E2	13-FEB-2011	05:35:53.480
EGOI_110213CMEP4081.E2	13-FEB-2011	16:17:36.426
EGOI_110213CMEP4092.E2	13-FEB-2011	17:59:07.052
EGOI_110213GSEP5773.E2	13-FEB-2011	02:20:44.782
EGOI_110213GSEP5797.E2	13-FEB-2011	04:01:10.904
EGOI_110213GSEP5805.E2	13-FEB-2011	05:43:38.530
EGOI_110213KSEP1701.E2	13-FEB-2011	07:41:48.255
EGOI_110213KSEP1722.E2	13-FEB-2011	09:21:44.369

EGOI_110213KSEP1745.E2	13-FEB-2011	11:01:22.481
EGOI_110213KSEP1774.E2	13-FEB-2011	12:40:39.593
EGOI_110213KSEP1784.E2	13-FEB-2011	14:19:34.204
EGOI_110213KSEP1798.E2	13-FEB-2011	15:57:21.304
EGOI_110213KSEP1825.E2	13-FEB-2011	17:35:18.911
EGOI_110213KSEP1857.E2	13-FEB-2011	19:13:18.007
EGOI_110213KSEP1888.E2	13-FEB-2011	20:53:09.624
EGOI_110213KSEP1915.E2	13-FEB-2011	22:35:26.756
EGOI_110213MAEP2770.E2	13-FEB-2011	09:29:59.424
EGOI_110213MAEP2777.E2	13-FEB-2011	11:09:03.028
EGOI_110213MAEP2781.E2	13-FEB-2011	09:43:46.007
EGOI_110213MIEP3171.E2	13-FEB-2011	02:18:13.266
EGOI_110213MIEP3192.E2	13-FEB-2011	03:56:24.373
EGOI_110213MIEP3210.E2	13-FEB-2011	14:38:31.318
EGOI_110213MIEP3238.E2	13-FEB-2011	16:15:40.914
EGOI_110213MIEP3250.E2	13-FEB-2011	17:59:10.052
EGOI_110213MSEP7006.E2	13-FEB-2011	00:36:00.641
EGOI_110213MSEP7027.E2	13-FEB-2011	11:14:31.567
EGOI_110213MSEP7052.E2	13-FEB-2011	12:54:27.684
EGOI_110213MSEP7085.E2	13-FEB-2011	22:23:40.185
EGOI_110213SGEP1490.E2	13-FEB-2011	03:05:24.056
EGOI_110213SGEP1497.E2	13-FEB-2011	04:40:42.639
EGOI_110213SGEP1503.E2	13-FEB-2011	13:57:25.067
EGOI_110213SGEP1510.E2	13-FEB-2011	15:33:03.159

[ [BACK TO MENU](#) ]

### 1.3 - List of data gaps

Station	Orbit	Date	Start Time	Stop Time	Duration (s)
KS	82697	13-FEB-2011	07:39:39.031	07:41:48.254	129.22300
KS	82698	13-FEB-2011	09:19:13.656	09:21:44.369	150.71300
KS	82699	13-FEB-2011	10:58:49.288	11:01:22.480	153.19200
KS	82700	13-FEB-2011	12:38:07.945	12:40:39.592	151.64700
KS	82701	13-FEB-2011	14:16:58.794	14:19:34.204	155.41000
KS	82702	13-FEB-2011	15:54:48.261	15:57:21.304	153.04300
KS	82703	13-FEB-2011	17:32:42.986	17:35:18.911	155.92500
KS	82704	13-FEB-2011	19:10:59.562	19:13:18.006	138.44400
KS	82705	13-FEB-2011	20:50:59.153	20:53:09.624	130.47100
KS	82706	13-FEB-2011	22:33:09.669	22:35:26.755	137.08600
GS	82695	13-FEB-2011	03:59:04.244	04:01:10.904	126.66000
MS	82693	13-FEB-2011	00:34:04.811	00:36:00.641	115.83000
MS	82699	13-FEB-2011	11:11:53.487	11:14:31.567	158.08000

MS	82700	13-FEB-2011	12:51:59.857	12:54:27.683	147.82600
MS	82706	13-FEB-2011	22:21:42.517	22:23:40.184	117.66700
MA	82698	13-FEB-2011	09:27:21.837	09:29:59.424	157.58700
MA	82699	13-FEB-2011	11:07:53.208	11:09:03.027	69.819000
MI	82694	13-FEB-2011	02:15:51.662	02:18:13.265	141.60300
MI	82695	13-FEB-2011	03:53:18.518	03:56:24.373	185.85500
MI	82701	13-FEB-2011	14:36:13.808	14:38:31.317	137.50900
MI	82702	13-FEB-2011	16:13:18.838	16:15:40.914	142.07600
SG	82694	13-FEB-2011	02:56:04.402	03:05:24.056	559.65400
SG	82695	13-FEB-2011	04:36:30.703	04:40:42.639	251.93600
SG	82701	13-FEB-2011	15:30:28.628	15:33:03.159	154.53100
CM	82702	13-FEB-2011	16:16:07.374	16:17:36.425	89.051000

[ [BACK TO MENU](#) ]

#### 1.4 - List of missing products

Station	Orbit	Date	Start Time	Stop Time	Duration (s)
HO	82692	12-FEB-2011	23:46:41.148	00:01:06.909	865.76100
MM	82692	12-FEB-2011	23:57:20.933	00:08:52.223	691.29000
HO	82693	13-FEB-2011	01:27:36.483	01:39:37.589	721.10600
MM	82693	13-FEB-2011	01:39:22.867	01:49:05.590	582.72300
GS	82693	13-FEB-2011	00:43:25.574	00:51:35.804	490.23000
BE	82694	13-FEB-2011	02:44:42.661	02:58:01.418	798.75700
MM	82694	13-FEB-2011	03:22:17.929	03:29:39.570	441.64100
CM	82694	13-FEB-2011	03:52:10.773	04:04:29.724	738.95100
BE	82695	13-FEB-2011	04:24:50.999	04:35:38.350	647.35100
MM	82695	13-FEB-2011	05:05:13.937	05:11:01.993	348.05600
MM	82696	13-FEB-2011	06:46:57.544	06:53:43.506	405.96200
KS	82696	13-FEB-2011	06:00:56.058	06:06:04.014	307.95600
JO	82696	13-FEB-2011	06:29:27.688	06:37:19.850	472.16200
MM	82697	13-FEB-2011	08:27:40.464	08:36:46.101	545.63700
JO	82697	13-FEB-2011	08:04:21.443	08:19:19.694	898.25100
MM	82698	13-FEB-2011	10:07:58.038	10:19:04.737	666.69900
JO	82698	13-FEB-2011	09:46:18.587	09:56:38.899	620.31200
HO	82699	13-FEB-2011	11:57:24.819	12:10:38.137	793.31800
MM	82699	13-FEB-2011	11:48:01.192	12:00:19.209	738.01700
HO	82700	13-FEB-2011	13:36:22.915	13:50:57.622	874.70700

MM	82700	13-FEB-2011	13:27:50.651	13:40:33.621	762.97000
BE	82701	13-FEB-2011	14:01:18.842	14:14:42.898	804.05600
HO	82701	13-FEB-2011	15:17:38.212	15:25:29.831	471.61900
MM	82701	13-FEB-2011	15:07:24.622	15:20:04.483	759.86100
GS	82701	13-FEB-2011	14:28:54.357	14:39:54.515	660.15800
BE	82702	13-FEB-2011	15:43:23.804	15:52:33.440	549.63600
MM	82702	13-FEB-2011	16:46:42.499	16:59:14.566	752.06700
GS	82702	13-FEB-2011	16:07:25.546	16:21:19.628	834.08200
MM	82703	13-FEB-2011	18:25:50.731	18:38:25.369	754.63800
GS	82703	13-FEB-2011	17:47:47.678	17:58:01.924	614.24600
MM	82704	13-FEB-2011	20:05:06.265	20:17:49.397	763.13200
MA	82704	13-FEB-2011	19:08:33.315	19:15:54.623	441.30800
JO	82704	13-FEB-2011	20:24:28.116	20:39:17.291	889.17500
MM	82705	13-FEB-2011	21:44:52.556	21:57:29.907	757.35100
MA	82705	13-FEB-2011	20:42:54.086	20:56:36.208	822.12200
JO	82705	13-FEB-2011	22:04:47.373	22:16:43.868	716.49500
HO	82706	13-FEB-2011	23:15:43.075	23:29:47.271	844.19600
MM	82706	13-FEB-2011	23:25:30.401	23:37:25.224	714.82300
MA	82706	13-FEB-2011	22:26:36.305	22:34:29.670	473.36500

[ [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

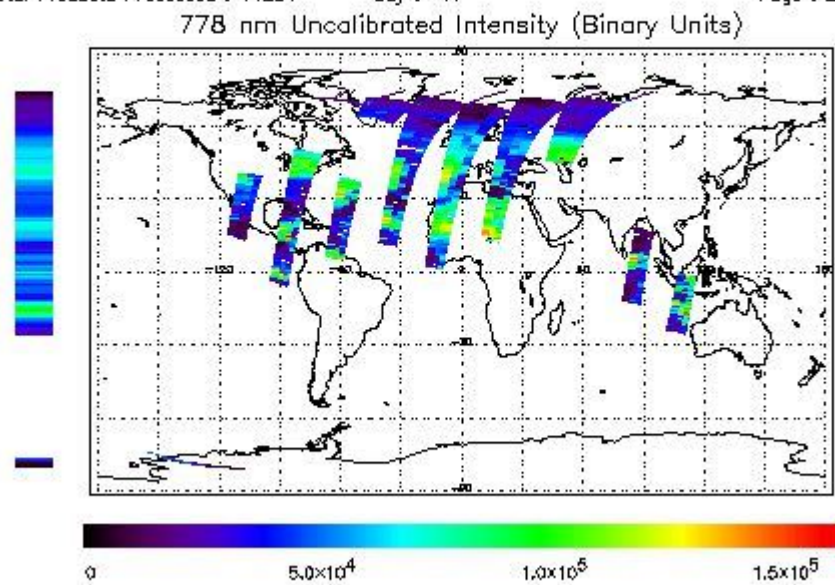
Polarization Detectors	OK
FPA Temperatures A	OK
FPA Temperaturas B	OK
Charge Amp Temperatures	OK
Other Temperatures A	OK
DDHU Temperatures	OK
Optical Bench Temperatures	OK
Other Temperatures B	OK
Calibration Lamp and Instr. Status 3	OK
Scan Mirror and Motor Current	OK
Selected Temperature A	OK
Selected 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 : 13-FEB-2011 00:36:00.641 : ORBIT : 82693.0291  
 Last Product : 13-FEB-2011 22:47:20.826 : ORBIT : 82706.2632  
 Total Products Processed : 14831 Day : 44 Page : 21

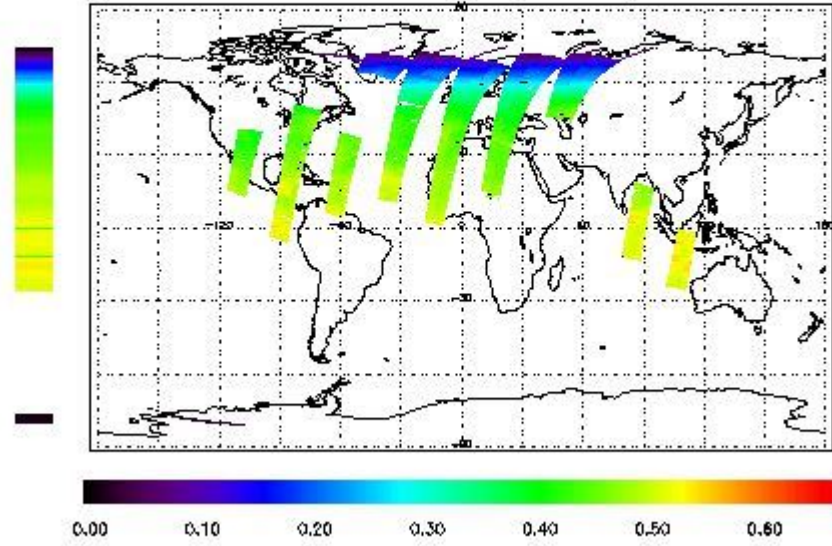


### Ozone Line Ratio

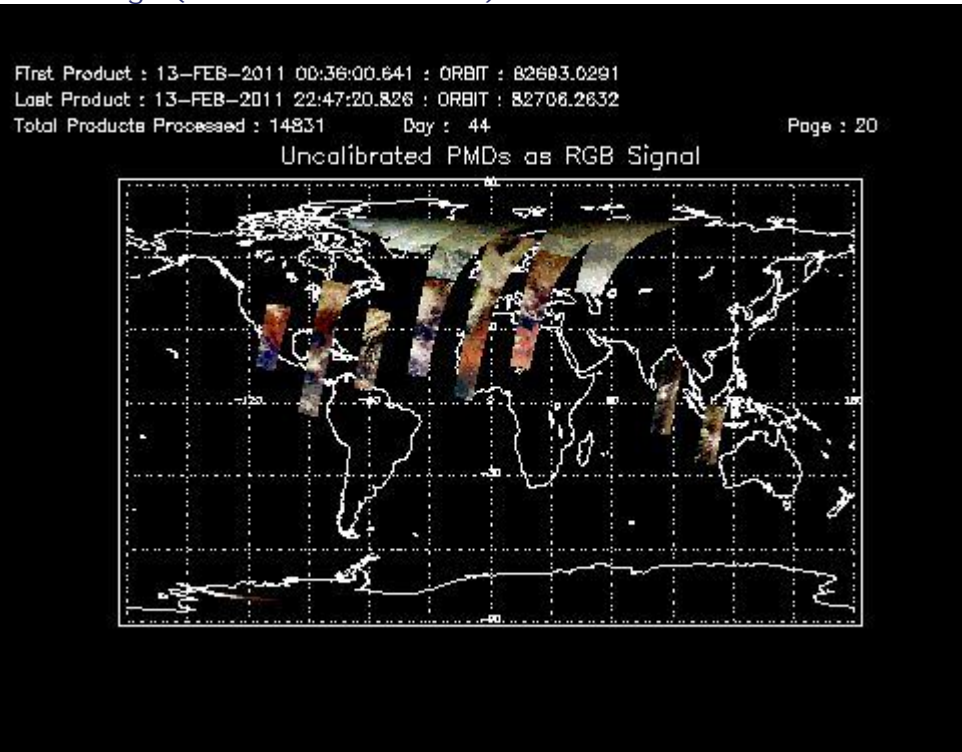
First Product : 13-FEB-2011 00:36:00.641 : ORBIT : 82693.0291  
 Last Product : 13-FEB-2011 22:47:20.826 : ORBIT : 82706.2632  
 Total Products Processed : 14831 Day : 44

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	11:36:01.837	--	82699	Yes	--	15699

#### 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