

# 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	03-JAN-2010
Start Time of First Product	00:24:03
Stop Time of Last Product	22:36:00
Number of EGOI Products analysed	32
Number of corrupted products	--
Anomalies and/or Special Operations	Nominal Data

### 1.2 - List of received products

Name	Date	Time
EGOI_110103CMEP3105.E2	03-JAN-2011	03:42:27.060
EGOI_110103CMEP3116.E2	03-JAN-2011	05:23:42.691
EGOI_110103CMEP3124.E2	03-JAN-2011	16:06:39.168
EGOI_110103CMEP3134.E2	03-JAN-2011	17:47:09.794
EGOI_110103GSEP2683.E2	03-JAN-2011	02:09:42.984
EGOI_110103GSEP2713.E2	03-JAN-2011	03:49:24.103
EGOI_110103GSEP2722.E2	03-JAN-2011	05:32:05.242
EGOI_110103HLEP8995.E2	03-JAN-2011	15:13:13.341
EGOI_110103KSEP2468.E2	03-JAN-2011	07:30:25.478

EGOI_110103KSEP2487.E2	03-JAN-2011	09:10:23.092
EGOI_110103KSEP2512.E2	03-JAN-2011	10:50:02.708
EGOI_110103KSEP2542.E2	03-JAN-2011	12:29:22.825
EGOI_110103KSEP2555.E2	03-JAN-2011	14:08:20.436
EGOI_110103KSEP2581.E2	03-JAN-2011	15:46:13.544
EGOI_110103KSEP2610.E2	03-JAN-2011	17:24:08.153
EGOI_110103KSEP2642.E2	03-JAN-2011	19:02:05.760
EGOI_110103KSEP2674.E2	03-JAN-2011	20:41:36.377
EGOI_110103KSEP2702.E2	03-JAN-2011	22:23:35.513
EGOI_110103MAEP1521.E2	03-JAN-2011	09:17:33.635
EGOI_110103MAEP1532.E2	03-JAN-2011	10:57:14.750
EGOI_110103MIEP9634.E2	03-JAN-2011	02:07:36.973
EGOI_110103MIEP9663.E2	03-JAN-2011	03:44:13.572
EGOI_110103MIEP9685.E2	03-JAN-2011	14:28:11.561
EGOI_110103MIEP9709.E2	03-JAN-2011	16:04:24.158
EGOI_110103MIEP9716.E2	03-JAN-2011	17:46:30.790
EGOI_110103MSEP2226.E2	03-JAN-2011	00:24:03.337
EGOI_110103MSEP2245.E2	03-JAN-2011	11:03:17.792
EGOI_110103MSEP2272.E2	03-JAN-2011	12:42:49.907
EGOI_110103MSEP2304.E2	03-JAN-2011	22:12:48.947
EGOI_110103SGEP0605.E2	03-JAN-2011	02:53:29.759
EGOI_110103SGEP0612.E2	03-JAN-2011	04:32:22.869
EGOI_110103SGEP0619.E2	03-JAN-2011	17:04:44.035

[ [BACK TO MENU](#) ]

### 1.3 - List of data gaps

Station	Orbit	Date	Start Time	Stop Time	Duration (s)
KS	82110	03-JAN-2011	07:28:17.469	07:30:25.478	128.00900
KS	82111	03-JAN-2011	09:07:50.408	09:10:23.092	152.68400
KS	82112	03-JAN-2011	10:47:26.889	10:50:02.708	155.81900
KS	82113	03-JAN-2011	12:26:48.406	12:29:22.825	154.41900
KS	82114	03-JAN-2011	14:05:41.592	14:08:20.436	158.84400
KS	82115	03-JAN-2011	15:43:38.235	15:46:13.543	155.30800
KS	82116	03-JAN-2011	17:21:29.750	17:24:08.152	158.40200
KS	82117	03-JAN-2011	18:59:40.500	19:02:05.759	145.25900
KS	82118	03-JAN-2011	20:39:27.625	20:41:36.376	128.75100
KS	82119	03-JAN-2011	22:21:20.890	22:23:35.513	134.62300
GS	82107	03-JAN-2011	02:07:44.305	02:09:42.983	118.67800
GS	82108	03-JAN-2011	03:47:22.061	03:49:24.103	122.04200
MS	82106	03-JAN-2011	00:21:57.775	00:24:03.337	125.56200
MS	82112	03-JAN-2011	11:00:39.894	11:03:17.792	157.89800

MS	82113	03-JAN-2011	12:40:15.483	12:42:49.906	154.42300
MS	82119	03-JAN-2011	22:10:45.361	22:12:48.947	123.58600
MS	82120	03-JAN-2011	23:49:28.188	23:51:46.559	138.37100
MA	82111	03-JAN-2011	09:16:23.992	09:17:33.634	69.642000
MA	82112	03-JAN-2011	10:55:42.429	10:57:14.750	92.321000
MI	82107	03-JAN-2011	02:05:18.000	02:07:36.972	138.97200
MI	82108	03-JAN-2011	03:41:49.567	03:44:13.572	144.00500
MI	82114	03-JAN-2011	14:25:59.569	14:28:11.560	131.99100
MI	82115	03-JAN-2011	16:01:55.834	16:04:24.158	148.32400
MI	82116	03-JAN-2011	17:44:13.921	17:46:30.790	136.86900
SG	82107	03-JAN-2011	02:45:02.242	02:53:29.759	507.51700
SG	82108	03-JAN-2011	04:24:37.541	04:32:22.869	465.32800
CM	82107	03-JAN-2011	03:40:59.993	03:42:27.059	87.066000
CM	82109	03-JAN-2011	05:22:33.151	05:23:42.691	69.540000
CM	82115	03-JAN-2011	16:04:53.529	16:06:39.168	105.63900
CM	82116	03-JAN-2011	17:45:59.469	17:47:09.793	70.324000

[ [BACK TO MENU](#) ]

#### 1.4 - List of missing products

Station	Orbit	Date	Start Time	Stop Time	Duration (s)
HO	82106	03-JAN-2011	01:15:43.498	01:28:32.737	769.23900
MM	82106	03-JAN-2011	01:27:40.047	01:37:37.540	597.49300
BE	82107	03-JAN-2011	02:33:25.250	02:46:32.009	786.75900
MM	82107	03-JAN-2011	03:10:30.699	03:18:08.341	457.64200
CM	82107	03-JAN-2011	03:40:59.993	03:53:02.616	722.62300
BE	82108	03-JAN-2011	04:13:16.298	04:24:45.986	689.68800
MM	82108	03-JAN-2011	04:53:30.846	04:59:22.850	352.00400
MM	82109	03-JAN-2011	06:35:23.988	06:41:56.555	392.56700
KS	82109	03-JAN-2011	05:49:59.235	05:52:29.520	150.28500
MM	82110	03-JAN-2011	08:16:11.523	08:25:00.997	529.47400
JO	82110	03-JAN-2011	07:53:07.546	08:07:55.213	887.66700
MM	82111	03-JAN-2011	09:56:31.116	10:07:26.327	655.21100
JO	82111	03-JAN-2011	09:34:11.482	09:45:53.490	702.00800
MM	82112	03-JAN-2011	11:36:35.788	11:48:48.236	732.44800
MM	82113	03-JAN-2011	13:16:26.885	13:29:08.850	761.96500
HO	82114	03-JAN-2011	15:05:55.404	15:14:40.127	524.72300

MM	82114	03-JAN-2011	14:56:02.724	15:08:43.602	760.87800
GS	82114	03-JAN-2011	14:17:53.260	14:27:53.108	599.84800
SG	82114	03-JAN-2011	15:19:09.370	15:33:00.776	831.40600
BE	82115	03-JAN-2011	15:31:18.478	15:41:39.084	620.60600
MM	82115	03-JAN-2011	16:35:22.303	16:47:54.865	752.56200
GS	82115	03-JAN-2011	15:56:03.368	16:09:59.472	836.10400
MM	82116	03-JAN-2011	18:14:30.972	18:27:04.749	753.77700
GS	82116	03-JAN-2011	17:36:13.453	17:47:13.800	660.34700
MM	82117	03-JAN-2011	19:53:44.523	20:06:26.955	762.43200
MA	82117	03-JAN-2011	18:58:20.877	19:03:08.705	287.82800
JO	82117	03-JAN-2011	20:13:14.603	20:27:45.950	871.34700
MM	82118	03-JAN-2011	21:33:26.129	21:46:05.623	759.49400
MA	82118	03-JAN-2011	20:31:36.615	20:45:19.343	822.72800
JO	82118	03-JAN-2011	21:53:06.482	22:05:56.655	770.17300
HO	82119	03-JAN-2011	23:04:43.767	23:18:21.244	817.47700
MM	82119	03-JAN-2011	23:13:57.259	23:25:59.360	722.10100
MA	82119	03-JAN-2011	22:14:23.287	22:23:39.125	555.83800

[ 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

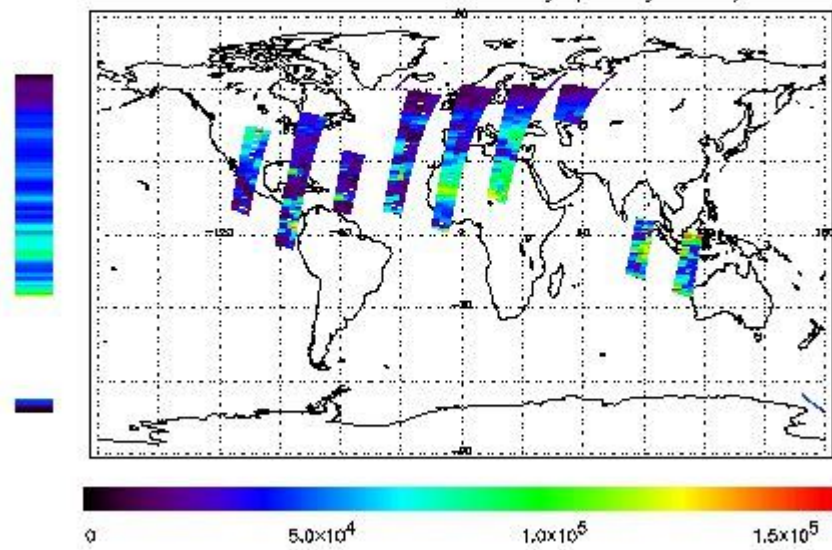
## 2.2 - Daily Plots

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

Fret Product : 03-JAN-2011 00:24:03.337 : ORBIT : 82106.0246  
 Last Product : 03-JAN-2011 22:35:59.587 : ORBIT : 82119.2647  
 Total Products Processed : 14799 Day : 3 Page : 21

778 nm Uncalibrated Intensity (Binary Units)

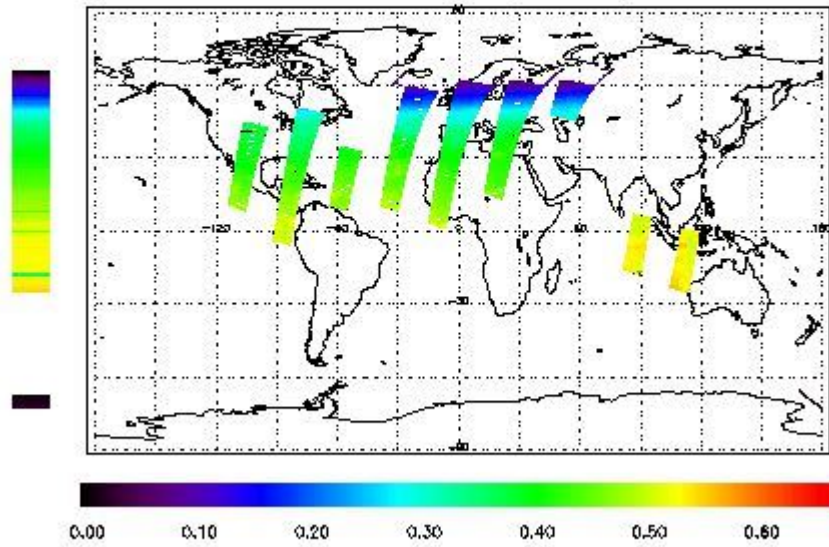


### Ozone Line Ratio

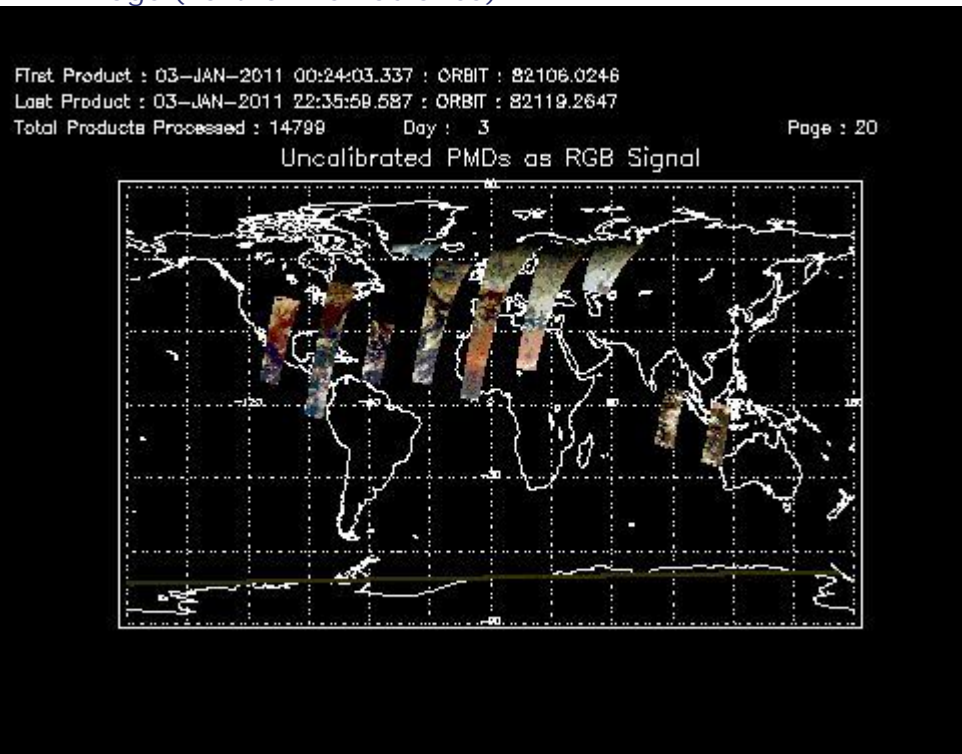
First Product : 03-JAN-2011 00:24:03.337 : ORBIT : 82106.0246  
 Last Product : 03-JAN-2011 22:35:59.587 : ORBIT : 82119.2647  
 Total Products Processed : 14799 Day : 3

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	12:36:21.371	--	82113	Yes	--	15813

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

### 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
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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