

# 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	12-OCT-2009
Start Time of First Product	00:03:30
Stop Time of Last Product	23:45:12
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_091012KSEP9211.E2	12-OCT-2009	07:10:28.249
EGOI_091012KSEP9232.E2	12-OCT-2009	08:50:28.857
EGOI_091012KSEP9257.E2	12-OCT-2009	10:30:08.464
EGOI_091012KSEP9287.E2	12-OCT-2009	12:09:33.070
EGOI_091012KSEP9302.E2	12-OCT-2009	13:48:33.677
EGOI_091012KSEP9331.E2	12-OCT-2009	15:26:59.780
EGOI_091012KSEP9349.E2	12-OCT-2009	17:04:27.380
EGOI_091012KSEP9382.E2	12-OCT-2009	18:42:26.476
EGOI_091012KSEP9417.E2	12-OCT-2009	20:21:28.583

EGOI_091012KSEP9448.E2	12-OCT-2009	22:02:56.206
EGOI_091012MAEP4780.E2	12-OCT-2009	08:57:49.900
EGOI_091012MAEP4789.E2	12-OCT-2009	10:37:37.011
EGOI_091012MIEP1225.E2	12-OCT-2009	01:49:47.283
EGOI_091012MIEP1250.E2	12-OCT-2009	03:24:28.362
EGOI_091012MIEP1273.E2	12-OCT-2009	05:07:09.489
EGOI_091012MIEP1282.E2	12-OCT-2009	15:44:34.386
EGOI_091012MIEP1305.E2	12-OCT-2009	17:25:21.506
EGOI_091012MSEP0279.E2	12-OCT-2009	00:03:30.137
EGOI_091012MSEP0301.E2	12-OCT-2009	10:44:01.049
EGOI_091012MSEP0329.E2	12-OCT-2009	12:22:52.656
EGOI_091012MSEP0358.E2	12-OCT-2009	21:53:59.151
EGOI_091012MSEP0389.E2	12-OCT-2009	23:32:01.251
EGOI_091012SGEP0375.E2	12-OCT-2009	15:02:02.627
EGOI_091012SGEP0383.E2	12-OCT-2009	16:43:19.747

[ [BACK TO MENU](#) ]

### 1.3 - List of data gaps

Station	Orbit	Date	Start Time	Stop Time	Duration (s)
KS	75697	12-OCT-2009	07:08:26.111	07:10:28.248	122.13700
KS	75698	12-OCT-2009	08:47:54.812	08:50:28.856	154.04400
KS	75699	12-OCT-2009	10:27:32.242	10:30:08.463	156.22100
KS	75700	12-OCT-2009	12:06:58.164	12:09:33.070	154.90600
KS	75701	12-OCT-2009	13:45:54.167	13:48:33.677	159.51000
KS	75702	12-OCT-2009	15:24:04.923	15:26:59.780	174.85700
KS	75703	12-OCT-2009	17:01:47.064	17:04:27.380	160.31600
KS	75704	12-OCT-2009	18:39:54.882	18:42:26.475	151.59300
KS	75705	12-OCT-2009	20:19:21.350	20:21:28.582	127.23200
KS	75706	12-OCT-2009	22:00:46.053	22:02:56.206	130.15300
KS	75707	12-OCT-2009	23:45:03.260	23:48:20.853	197.59300
MS	75693	12-OCT-2009	00:01:10.534	00:03:30.136	139.60200
MS	75699	12-OCT-2009	10:41:22.006	10:44:01.049	159.04300
MS	75700	12-OCT-2009	12:20:09.510	12:22:52.656	163.14600
MS	75706	12-OCT-2009	21:51:51.565	21:53:59.150	127.58500
MS	75707	12-OCT-2009	23:29:13.235	23:32:01.250	168.01500
MA	75699	12-OCT-2009	10:35:32.499	10:37:37.010	124.51100
MI	75694	12-OCT-2009	01:47:35.461	01:49:47.283	131.82200
MI	75695	12-OCT-2009	03:21:56.218	03:24:28.362	152.14400
MI	75696	12-OCT-2009	05:04:57.306	05:07:09.489	132.18300

MI	75702	12-OCT-2009	15:42:08.471	15:44:34.386	145.91500
MI	75703	12-OCT-2009	17:22:58.624	17:25:21.506	142.88200
SG	75701	12-OCT-2009	14:59:32.891	15:02:02.627	149.73600
SG	75702	12-OCT-2009	16:40:25.427	16:43:19.746	174.31900

[ [BACK TO MENU](#) ]

#### 1.4 - List of missing products

Station	Orbit	Date	Start Time	Stop Time	Duration (s)
HO	75693	12-OCT-2009	00:55:21.544	01:09:00.230	818.68600
MM	75693	12-OCT-2009	01:07:11.986	01:17:33.999	622.01300
KS	75693	12-OCT-2009	00:19:08.032	00:22:13.760	185.72800
BE	75694	12-OCT-2009	02:13:45.561	02:26:14.532	748.97100
MM	75694	12-OCT-2009	02:49:53.561	02:57:59.921	486.36000
GS	75694	12-OCT-2009	01:48:20.582	02:01:00.413	759.83100
SG	75694	12-OCT-2009	02:26:01.545	02:37:04.766	663.22100
BE	75695	12-OCT-2009	03:53:06.527	04:05:32.592	746.06500
MM	75695	12-OCT-2009	04:32:58.068	04:39:02.175	364.10700
GS	75695	12-OCT-2009	03:27:03.981	03:40:38.436	814.45500
SG	75695	12-OCT-2009	04:04:09.138	04:17:09.922	780.78400
CM	75695	12-OCT-2009	03:21:41.264	03:32:48.806	667.54200
CM	75695	12-OCT-2009	05:01:21.800	05:11:32.942	611.14200
MM	75696	12-OCT-2009	06:15:08.125	06:21:20.437	372.31200
MM	75697	12-OCT-2009	07:56:05.053	08:04:25.747	500.69400
JO	75697	12-OCT-2009	07:33:39.414	07:47:50.737	851.32300
MM	75698	12-OCT-2009	09:36:28.552	09:47:02.066	633.51400
JO	75698	12-OCT-2009	09:13:23.085	09:26:43.722	800.63700
HO	75699	12-OCT-2009	11:26:47.398	11:38:07.306	679.90800
MM	75699	12-OCT-2009	11:16:35.911	11:28:37.069	721.15800
HO	75700	12-OCT-2009	13:05:03.804	13:19:53.128	889.32400
MM	75700	12-OCT-2009	12:56:29.819	13:09:09.025	759.20600
HO	75701	12-OCT-2009	14:45:30.909	14:55:43.005	612.09600
MM	75701	12-OCT-2009	14:36:08.867	14:48:51.296	762.42900
GS	75701	12-OCT-2009	13:58:56.398	14:06:24.179	447.78100
BE	75702	12-OCT-2009	15:10:30.468	15:22:18.337	707.86900
MM	75702	12-OCT-2009	16:15:31.579	16:28:05.351	753.77200
GS	75702	12-OCT-2009	15:36:12.638	15:50:00.827	828.18900

CM	75702	12-OCT-2009	15:45:26.863	15:56:41.135	674.27200
MM	75703	12-OCT-2009	17:54:41.503	18:07:14.065	752.56200
GS	75703	12-OCT-2009	17:16:03.275	17:28:09.122	725.84700
CM	75703	12-OCT-2009	17:25:06.591	17:35:11.537	604.94600
MM	75704	12-OCT-2009	19:33:52.335	19:46:33.214	760.87900
JO	75704	12-OCT-2009	19:53:44.886	20:07:23.395	818.50900
MM	75705	12-OCT-2009	21:13:26.444	21:26:08.606	762.16200
MA	75705	12-OCT-2009	20:11:59.714	20:25:42.263	822.54900
JO	75705	12-OCT-2009	21:32:49.874	21:46:48.568	838.69400
HO	75706	12-OCT-2009	22:45:17.833	22:58:18.155	780.32200
MM	75706	12-OCT-2009	22:53:46.266	23:05:59.508	733.24200
MA	75706	12-OCT-2009	21:52:54.122	22:04:22.031	687.90900

[ 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	South Polar View operations
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

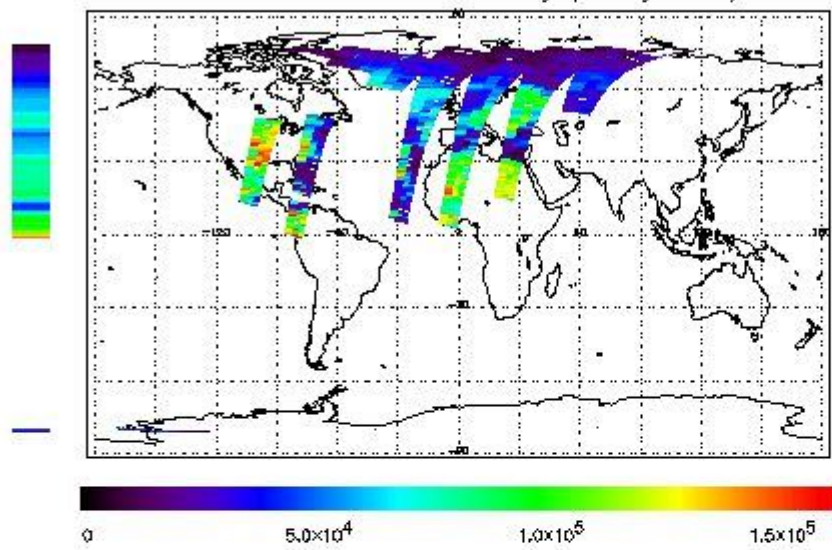
## 2.2 - Daily Plots

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 : 12-OCT-2009 00:03:30.137 : ORBIT : 75693.0203  
 Last Product : 12-OCT-2009 23:45:11.837 : ORBIT : 75707.1526  
 Total Products Processed : 11679 Day : 285 Page : 21

778 nm Uncalibrated Intensity (Binary Units)



### Ozone Line Ratio

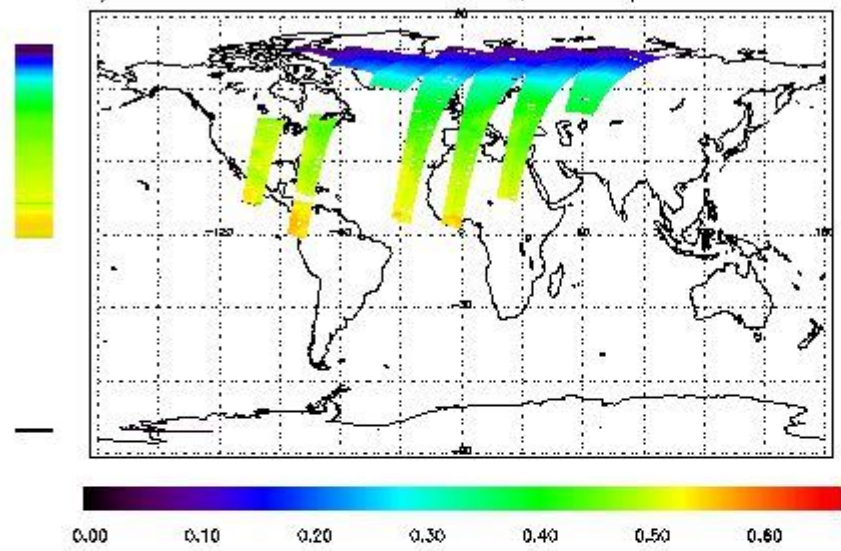
First Product : 12-OCT-2009 00:03:30.137 : ORBIT : 75693.0203

Last Product : 12-OCT-2009 23:45:11.837 : ORBIT : 75707.1526

Total Products Processed : 11679 Day : 285

Page : 20

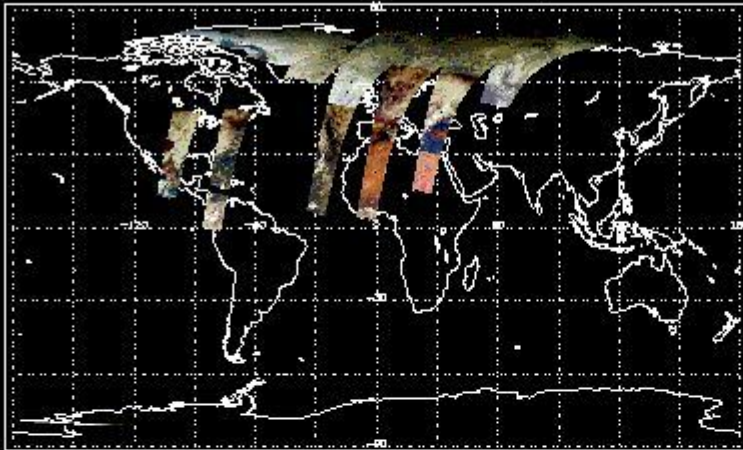
331/313 nm Uncalibrated Line Ratio, SZA Dependence Removed



PMD Image (Earthshine Radiance)

First Product : 12-OCT-2009 00:03:30.137 : ORBIT : 75693.0203  
 Last Product : 12-OCT-2009 23:45:11.837 : ORBIT : 75707.1526  
 Total Products Processed : 11679 Day : 285 Page : 20

Uncalibrated PMDs as RGB Signal



### 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	13:52:18.700	--	75701	Yes	--	15318

#### 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
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#### 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
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#### 5.6 - Seasonal Operations

Start Time	End Time	Start Orbit	End Orbit
01:00 05-Sep	--	75164	--

[ [BACK TO MENU](#) ]