

# GOME Daily Report

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## 1 - General Info

### 1.1 - Report Summary

Item	Value
Report Version	GOMEver3_3
Report of Day	26-MAR-2011
Start Time of First Product	23:49:23 (25-Mar)
Stop Time of Last Product	23:39:55
Number of EGOI Products analysed	--
Number of corrupted products	3
Anomalies and/or Special Operations	Nominal Data

### 1.2 - List of received products

Name	Date	Time
EGOI_110327CMEP5160.E2	27-MAR-2011	02:39:04.806
EGOI_110327CMEP5168.E2	27-MAR-2011	04:16:51.905
EGOI_110327CMEP5176.E2	27-MAR-2011	15:01:28.857
EGOI_110327CMEP5183.E2	27-MAR-2011	16:37:57.952
EGOI_110327GSEP8596.E2	27-MAR-2011	01:05:02.726
EGOI_110327GSEP8628.E2	27-MAR-2011	02:41:43.821
EGOI_110327GSEP8637.E2	27-MAR-2011	04:24:45.952
EGOI_110327KSEP0889.E2	27-MAR-2011	06:23:10.680
EGOI_110327KSEP0913.E2	27-MAR-2011	08:02:56.291

EGOI_110327KSEP0937.E2	27-MAR-2011	09:42:22.402
EGOI_110327KSEP0960.E2	27-MAR-2011	11:21:54.509
EGOI_110327KSEP0977.E2	27-MAR-2011	13:00:53.616
EGOI_110327KSEP0986.E2	27-MAR-2011	14:39:36.228
EGOI_110327KSEP0999.E2	27-MAR-2011	16:17:17.323
EGOI_110327KSEP1027.E2	27-MAR-2011	17:55:08.926
EGOI_110327KSEP1059.E2	27-MAR-2011	19:33:02.025
EGOI_110327KSEP1081.E2	27-MAR-2011	21:13:02.637
EGOI_110327KSEP1097.E2	27-MAR-2011	22:55:31.767
EGOI_110327MAEP4309.E2	27-MAR-2011	08:11:29.346
EGOI_110327MAEP4328.E2	27-MAR-2011	09:49:55.445
EGOI_110327MAEP4351.E2	27-MAR-2011	21:05:28.089
EGOI_110327MAEP4365.E2	27-MAR-2011	22:48:27.224
EGOI_110327MIEP7026.E2	27-MAR-2011	02:38:19.802
EGOI_110327MIEP7055.E2	27-MAR-2011	04:17:03.905
EGOI_110327MIEP7081.E2	27-MAR-2011	14:57:36.333
EGOI_110327MIEP7111.E2	27-MAR-2011	16:35:57.940
EGOI_110327MSEP1830.E2	27-MAR-2011	00:59:10.191
EGOI_110327MSEP1845.E2	27-MAR-2011	09:58:29.996
EGOI_110327MSEP1874.E2	27-MAR-2011	11:34:54.588
EGOI_110327MSEP1898.E2	27-MAR-2011	13:15:35.706

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### 1.3 - List of data gaps

Station	Orbit	Date	Start Time	Stop Time	Duration (s)
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### 1.4 - List of missing products

Station	Orbit	Date	Start Time	Stop Time	Duration (s)
HO	83294	27-MAR-2011	01:06:59.629	01:20:11.189	791.56000
MM	83294	27-MAR-2011	01:18:53.438	01:29:01.654	608.21600
BE	83295	27-MAR-2011	02:24:58.691	02:37:52.033	773.34200
MM	83295	27-MAR-2011	03:01:40.395	03:09:30.269	469.87400
SG	83295	27-MAR-2011	02:36:50.176	02:48:54.608	724.43200
BE	83296	27-MAR-2011	04:04:36.986	04:16:33.405	716.41900
MM	83296	27-MAR-2011	04:44:42.857	04:50:39.274	356.41700
SG	83296	27-MAR-2011	04:15:48.466	04:28:08.882	740.41600
MM	83297	27-MAR-2011	06:26:43.258	06:33:06.595	383.33700
MI	83297	27-MAR-2011	05:18:28.214	05:21:00.786	152.57200
MM	83298	27-MAR-2011	08:07:34.602	08:16:11.797	517.19500
JO	83298	27-MAR-2011	07:44:45.126	07:59:20.072	874.94600

MM	83299	27-MAR-2011	09:47:55.804	09:58:41.961	646.15700
JO	83299	27-MAR-2011	09:25:13.315	09:37:43.295	749.98000
MM	83300	27-MAR-2011	11:28:01.622	11:40:09.476	727.85400
MA	83300	27-MAR-2011	10:47:02.174	10:58:23.528	681.35400
MM	83301	27-MAR-2011	13:07:53.931	13:20:34.876	760.94500
HO	83302	27-MAR-2011	14:57:09.859	15:06:27.822	557.96300
MM	83302	27-MAR-2011	14:47:31.155	15:00:12.741	761.58600
GS	83302	27-MAR-2011	14:09:41.976	14:18:45.795	543.81900
SG	83302	27-MAR-2011	15:10:43.201	15:24:27.421	824.22000
BE	83303	27-MAR-2011	15:22:20.788	15:33:23.583	662.79500
MM	83303	27-MAR-2011	16:26:52.056	16:39:25.085	753.02900
GS	83303	27-MAR-2011	15:47:32.554	16:01:27.095	834.54100
SG	83303	27-MAR-2011	16:52:40.114	17:00:40.572	480.45800
MM	83304	27-MAR-2011	18:06:01.189	18:18:34.396	753.20700
MI	83304	27-MAR-2011	17:34:59.824	17:42:34.049	454.22500
GS	83304	27-MAR-2011	17:27:34.154	17:39:04.765	690.61100
CM	83304	27-MAR-2011	17:36:57.921	17:45:51.226	533.30500
MM	83305	27-MAR-2011	19:45:13.460	19:57:55.271	761.81100
MA	83305	27-MAR-2011	18:50:20.597	18:54:34.886	254.28900
JO	83305	27-MAR-2011	20:04:51.776	20:19:04.103	852.32700
MM	83306	27-MAR-2011	21:24:51.742	21:37:32.540	760.79800
JO	83306	27-MAR-2011	21:44:23.702	21:57:46.825	803.12300
HO	83307	27-MAR-2011	22:56:27.379	23:09:45.92	

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## 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

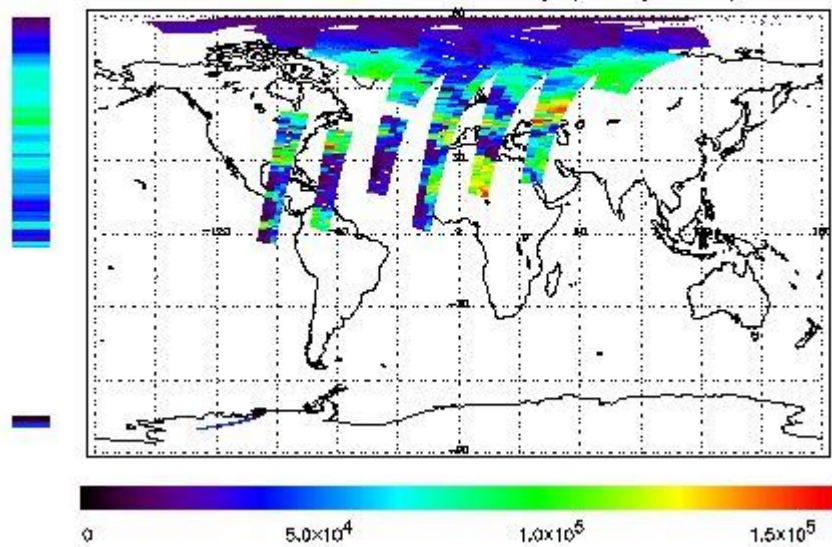
## 2.2 - Daily Plots

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

First Product : 27-MAR-2011 00:59:10.191 : ORBIT : 83294.4593  
 Last Product : 27-MAR-2011 23:06:51.337 : ORBIT : 83307.6572  
 Total Products Processed : 13795 Day : 86 Page : 21

778 nm Uncalibrated Intensity (Binary Units)



### Ozone Line Ratio

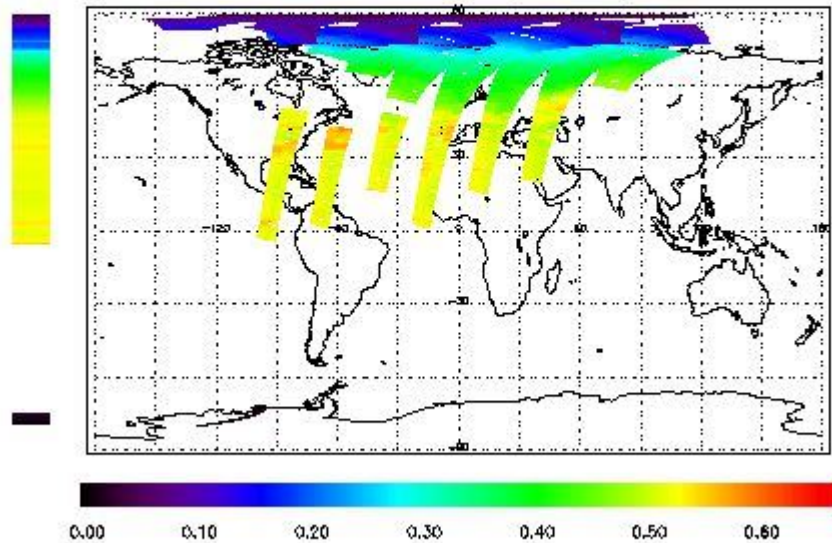
First Product : 27-MAR-2011 00:59:10.191 : ORBIT : 83294.4593

Last Product : 27-MAR-2011 23:06:51.337 : ORBIT : 83307.6572

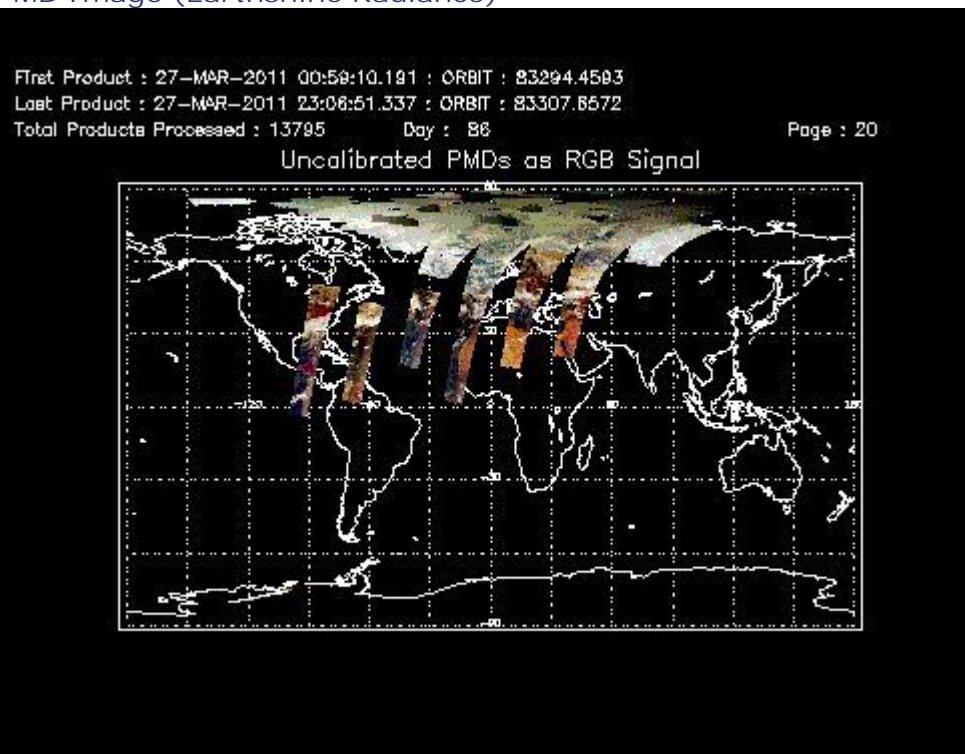
Total Products Processed : 13795 Day : 86

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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	14:41:00.235	--	83303	Yes	--	15341

#### 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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## 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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## 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
--	--	83056	--

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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