

# GOME Daily Report

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## 1 - General Info

### 1.1 - Report Summary

Item	Value
Report Version	GOMEver3_3
Report of Day	28-MAR-2011
Start Time of First Product	00:23:35
Stop Time of Last Product	22:33:40
Number of EGOI Products analysed	30
Number of corrupted products	--
Anomalies and/or Special Operations	Nominal Data

### 1.2 - List of received products

Name	Date	Time
EGOI_110328CMEP5194.E2	28-MAR-2011	03:41:44.022
EGOI_110328CMEP5201.E2	28-MAR-2011	05:22:58.141
EGOI_110328CMEP5209.E2	28-MAR-2011	16:04:54.580
EGOI_110328CMEP5220.E2	28-MAR-2011	17:45:34.200
EGOI_110328GSEP8658.E2	28-MAR-2011	00:33:56.367
EGOI_110328GSEP8666.E2	28-MAR-2011	03:51:57.588
EGOI_110328GSEP8676.E2	28-MAR-2011	05:31:16.192
EGOI_110328KSEP1119.E2	28-MAR-2011	07:29:21.420
EGOI_110328KSEP1149.E2	28-MAR-2011	09:09:13.035

EGOI_110328KSEP1172.E2	28-MAR-2011	10:48:48.142
EGOI_110328KSEP1196.E2	28-MAR-2011	12:27:57.753
EGOI_110328KSEP1206.E2	28-MAR-2011	14:06:50.856
EGOI_110328KSEP1227.E2	28-MAR-2011	15:44:40.958
EGOI_110328KSEP1238.E2	28-MAR-2011	17:22:23.559
EGOI_110328KSEP1263.E2	28-MAR-2011	19:00:03.158
EGOI_110328KSEP1294.E2	28-MAR-2011	20:39:24.765
EGOI_110328KSEP1314.E2	28-MAR-2011	22:21:26.895
EGOI_110328MAEP4381.E2	28-MAR-2011	10:56:19.693
EGOI_110328MIEP7134.E2	28-MAR-2011	02:07:05.942
EGOI_110328MIEP7155.E2	28-MAR-2011	03:43:27.530
EGOI_110328MIEP7173.E2	28-MAR-2011	14:26:46.477
EGOI_110328MIEP7195.E2	28-MAR-2011	16:02:38.064
EGOI_110328MIEP7218.E2	28-MAR-2011	17:44:25.192
EGOI_110328MMEP9138.E2	28-MAR-2011	18:15:29.884
EGOI_110328MMEP9144.E2	28-MAR-2011	19:53:55.987
EGOI_110328MMEP9153.E2	28-MAR-2011	21:33:55.098
EGOI_110328MSEP1954.E2	28-MAR-2011	00:23:35.307
EGOI_110328MSEP1980.E2	28-MAR-2011	11:02:00.224
EGOI_110328MSEP2007.E2	28-MAR-2011	12:41:21.835
EGOI_110328MSEP2038.E2	28-MAR-2011	22:10:59.828

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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	83308	28-MAR-2011	00:34:57.873	00:49:22.127	864.25400
MM	83308	28-MAR-2011	00:46:46.430	00:57:31.113	644.68300
KS	83308	27-MAR-2011	23:57:17.101	00:03:03.087	345.98600
BE	83309	28-MAR-2011	01:54:15.454	02:05:40.708	685.25400
MM	83309	28-MAR-2011	02:29:17.536	02:37:52.830	515.29400
GS	83309	28-MAR-2011	01:29:07.979	01:40:53.431	705.45200
SG	83309	28-MAR-2011	02:07:37.322	02:15:53.257	495.93500
BE	83310	28-MAR-2011	03:33:02.943	03:46:05.898	782.95500
MM	83310	28-MAR-2011	04:12:22.876	04:18:44.840	381.96400
SG	83310	28-MAR-2011	03:43:59.167	03:57:41.762	822.59500
MM	83311	28-MAR-2011	05:54:49.150	06:00:46.355	357.20500
MI	83311	28-MAR-2011	04:43:19.249	04:53:13.718	594.46900

MM	83312	28-MAR-2011	07:35:57.359	07:43:49.141	471.78200
JO	83312	28-MAR-2011	07:14:27.026	07:27:36.796	789.77000
MM	83313	28-MAR-2011	09:16:25.385	09:26:35.264	609.87900
MA	83313	28-MAR-2011	08:36:49.283	08:49:02.231	732.94800
JO	83313	28-MAR-2011	08:52:56.151	09:07:17.220	861.06900
MM	83314	28-MAR-2011	10:56:35.505	11:08:23.340	707.83500
MM	83315	28-MAR-2011	12:36:32.167	12:49:07.197	755.03000
HO	83316	28-MAR-2011	14:25:15.848	14:37:34.586	738.73800
MM	83316	28-MAR-2011	14:16:14.345	14:28:57.863	763.51800
SG	83316	28-MAR-2011	14:40:14.109	14:52:39.949	745.84000
BE	83317	28-MAR-2011	14:50:02.060	15:02:44.924	762.86400
MM	83317	28-MAR-2011	15:55:40.304	16:08:15.655	755.35100
GS	83317	28-MAR-2011	15:16:26.451	15:29:50.878	804.42700
SG	83317	28-MAR-2011	16:19:34.255	16:31:32.447	718.19200
MM	83318	28-MAR-2011	17:34:52.043	17:47:23.838	751.79500
GS	83318	28-MAR-2011	16:55:57.761	17:08:52.620	774.85900
JO	83319	28-MAR-2011	19:34:30.297	19:46:40.985	730.68800
MA	83320	28-MAR-2011	19:52:34.106	20:05:33.33	

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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

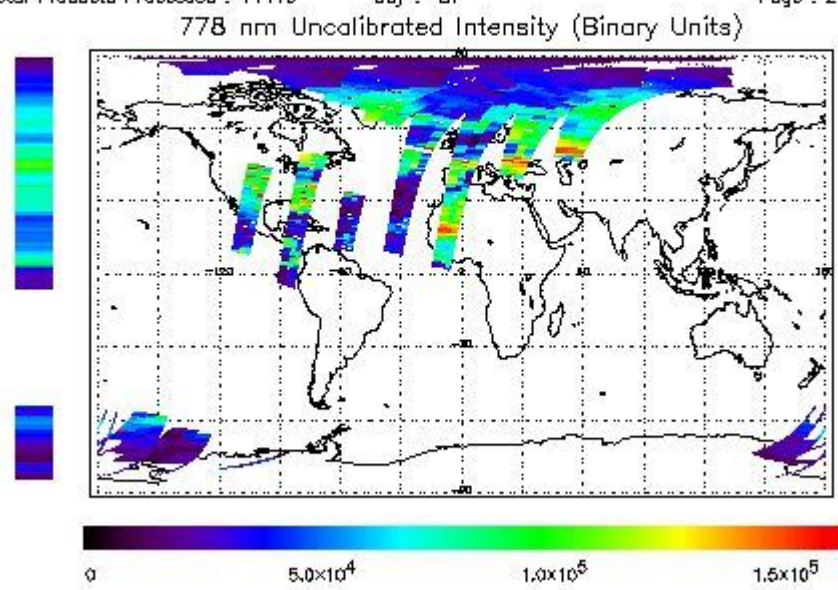
FPA Temperatures A	OK
FPA Temperaturas B	OK
Charge Amp Temperatures	OK
Other Temperatures A	OK
DDHU Temperatures	OK
Optical Bench Temperatures	OK
Other Temperatures B	OK
Calibration Lamp and Instr. Status 3	OK
Scan Mirror and Motor Current	OK
Selected Temperature A	OK
Selected Temperature B	OK
Selected 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 : 28-MAR-2011 00:23:35.307 : ORBIT : 83308.4109  
 Last Product : 28-MAR-2011 22:33:40.465 : ORBIT : 83321.6416  
 Total Products Processed : 14440 Day : 87 Page : 21



### Ozone Line Ratio

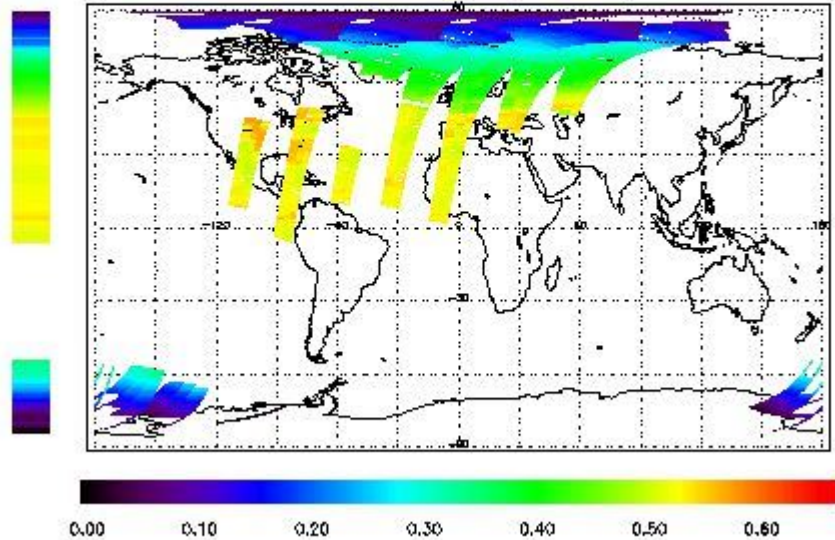
First Product : 28-MAR-2011 00:23:35.307 : ORBIT : 83308.4109

Last Product : 28-MAR-2011 22:33:40.465 : ORBIT : 83321.6416

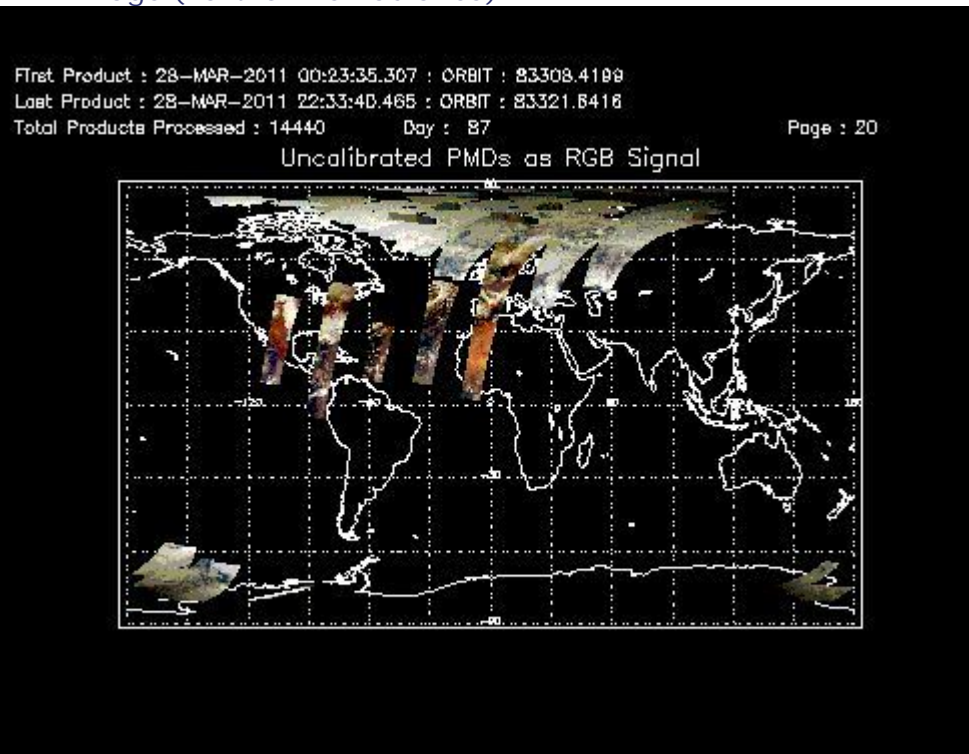
Total Products Processed : 14440 Day : 87

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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	14:07:26.859	--	83316	Yes	--	15357

#### 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
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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
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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