

# GOME Daily Report

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## 1 - General Info

### 1.1 - Report Summary

Item	Value
Report Version	GOMEver3_3
Report of Day	30-MAR-2011
Start Time of First Product	00:59:13
Stop Time of Last Product	23:06:52
Number of EGOI Products analysed	38
Number of corrupted products	1
Anomalies and/or Special Operations	Nominal Data

### 1.2 - List of received products

Name	Date	Time
EGOI_110330CMEP5261.E2	30-MAR-2011	02:38:58.310
EGOI_110330CMEP5267.E2	30-MAR-2011	04:16:51.405
EGOI_110330CMEP5275.E2	30-MAR-2011	15:01:17.853
EGOI_110330CMEP5283.E2	30-MAR-2011	16:37:34.945
EGOI_110330GSEP8769.E2	30-MAR-2011	01:05:03.734
EGOI_110330GSEP8801.E2	30-MAR-2011	02:41:40.325
EGOI_110330GSEP8810.E2	30-MAR-2011	04:24:43.956
EGOI_110330HLEP9761.E2	30-MAR-2011	15:41:43.603
EGOI_110330HLEP9767.E2	30-MAR-2011	22:01:35.434

EGOI_110330KSEP1532.E2	30-MAR-2011	06:23:10.184
EGOI_110330KSEP1556.E2	30-MAR-2011	08:02:57.292
EGOI_110330KSEP1582.E2	30-MAR-2011	09:42:24.899
EGOI_110330KSEP1603.E2	30-MAR-2011	11:21:54.010
EGOI_110330KSEP1618.E2	30-MAR-2011	13:00:54.621
EGOI_110330KSEP1626.E2	30-MAR-2011	14:39:35.724
EGOI_110330KSEP1640.E2	30-MAR-2011	16:17:16.823
EGOI_110330KSEP1668.E2	30-MAR-2011	17:55:09.922
EGOI_110330KSEP1700.E2	30-MAR-2011	19:32:58.521
EGOI_110330KSEP1722.E2	30-MAR-2011	21:13:15.640
EGOI_110330KSEP1739.E2	30-MAR-2011	22:55:28.267
EGOI_110330MAEP4466.E2	30-MAR-2011	08:11:27.342
EGOI_110330MAEP4487.E2	30-MAR-2011	09:49:59.446
EGOI_110330MAEP4509.E2	30-MAR-2011	21:05:29.093
EGOI_110330MAEP4523.E2	30-MAR-2011	22:48:26.724
EGOI_110330MIEP7342.E2	30-MAR-2011	02:38:17.806
EGOI_110330MIEP7371.E2	30-MAR-2011	04:17:07.909
EGOI_110330MIEP7397.E2	30-MAR-2011	14:57:38.830
EGOI_110330MIEP7427.E2	30-MAR-2011	16:35:55.932
EGOI_110330MMEP9235.E2	30-MAR-2011	07:09:04.462
EGOI_110330MMEP9246.E2	30-MAR-2011	17:08:44.137
EGOI_110330MMEP9253.E2	30-MAR-2011	18:48:01.247
EGOI_110330MMEP9261.E2	30-MAR-2011	20:26:57.354
EGOI_110330MMEP9269.E2	30-MAR-2011	22:07:00.969
EGOI_110330MSEP2194.E2	30-MAR-2011	00:59:12.695
EGOI_110330MSEP2209.E2	30-MAR-2011	09:58:33.997
EGOI_110330MSEP2237.E2	30-MAR-2011	11:34:55.592
EGOI_110330MSEP2259.E2	30-MAR-2011	13:16:15.711
EGOI_110330MSEP2289.E2	30-MAR-2011	22:43:05.692

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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	83337	30-MAR-2011	01:12:47.825	01:25:45.766	777.94100
MM	83337	30-MAR-2011	01:24:44.462	01:34:45.564	601.10200
BE	83338	30-MAR-2011	02:30:36.246	02:43:38.970	782.72400
MM	83338	30-MAR-2011	03:07:33.916	03:15:15.619	461.70300
SG	83338	30-MAR-2011	02:42:17.751	02:54:46.453	748.70200

BE	83339	30-MAR-2011	04:10:23.043	04:22:02.094	699.05100
MM	83339	30-MAR-2011	04:50:34.911	04:56:28.251	353.34000
SG	83339	30-MAR-2011	04:21:40.696	04:33:35.560	714.86400
MM	83340	30-MAR-2011	06:32:30.467	06:38:59.874	389.40700
CM	83340	30-MAR-2011	05:19:28.212	05:27:36.150	487.93800
JO	83341	30-MAR-2011	07:50:19.782	08:05:03.671	883.88900
MM	83342	30-MAR-2011	09:53:39.358	10:04:31.593	652.23500
JO	83342	30-MAR-2011	09:31:11.501	09:43:10.589	719.08800
MM	83343	30-MAR-2011	11:33:44.411	11:45:55.368	730.95700
MA	83343	30-MAR-2011	10:52:48.331	11:03:51.099	662.76800
MM	83344	30-MAR-2011	13:13:35.912	13:26:17.563	761.65100
HO	83345	30-MAR-2011	15:03:00.416	15:11:56.324	535.90800
MM	83345	30-MAR-2011	14:53:12.215	15:05:53.335	761.12000
GS	83345	30-MAR-2011	14:15:08.987	14:24:51.348	582.36100
SG	83345	30-MAR-2011	15:16:20.330	15:30:09.961	829.63100
BE	83346	30-MAR-2011	15:28:18.720	15:38:54.298	635.57800
MM	83346	30-MAR-2011	16:32:32.231	16:45:04.939	752.70800
GS	83346	30-MAR-2011	15:53:13.017	16:07:08.897	835.880

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## 1.5 - List of corrupted products

Station	Orbit	Time
KS	83343	11:29:36.060

## 2 - Instrument Indicators and Daily Plots

### 2.1 - Instrument Indicators Status

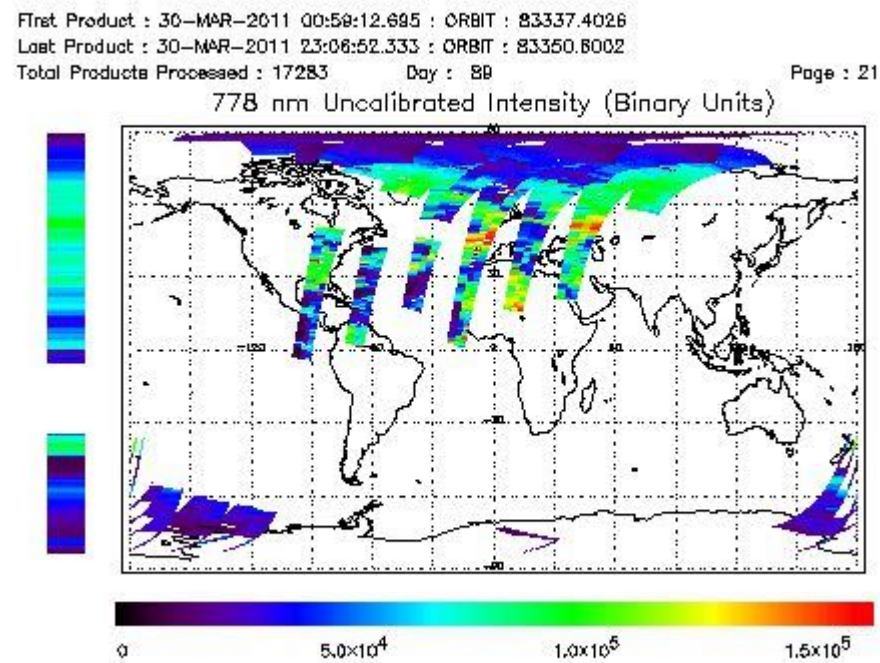
Indicator	Value
MPH Product Confidence	OK
SPH Product Confidence	OK
Command Word Echo Summary	OK
Instrument Status 1A	OK
Instrument Status 1B	OK
Instrument Status 2	OK
Integration Times Channel 1	OK
Co-Adding and Cluster Mode Flags	OK
Integration Times Band 2A	OK
Integration Times Band 2B	OK
Integration 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

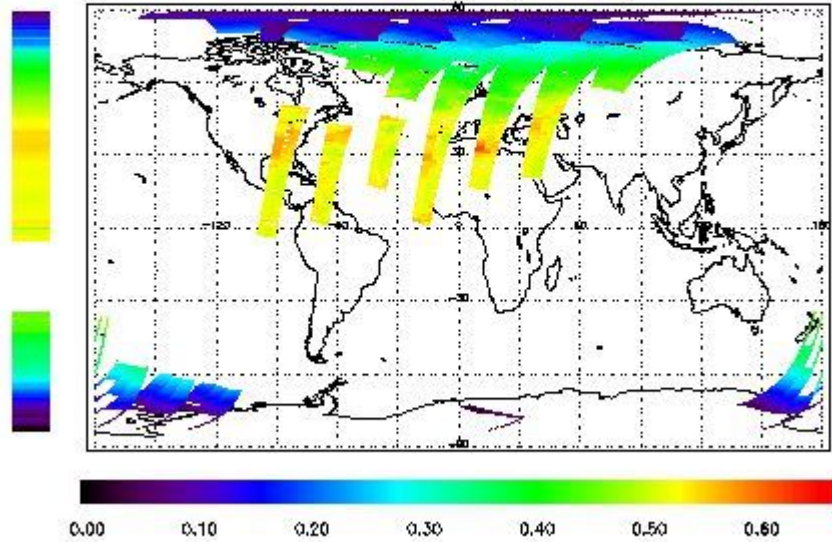


### Ozone Line Ratio

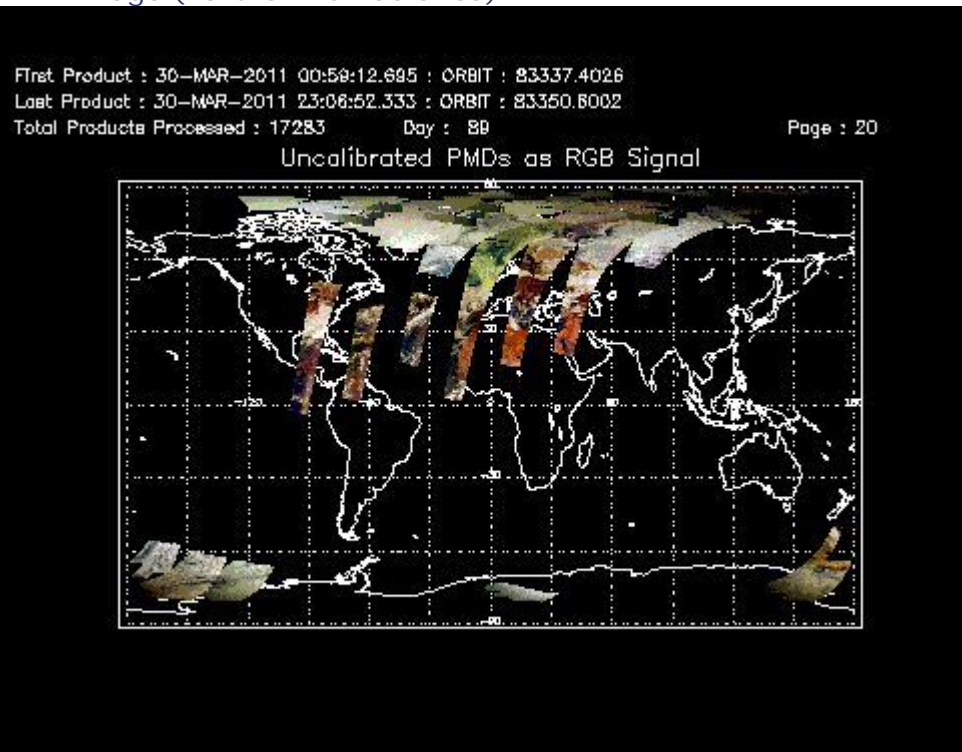
First Product : 30-MAR-2011 00:59:12.695 : ORBIT : 83337.4026  
 Last Product : 30-MAR-2011 23:06:52.333 : ORBIT : 83350.8002  
 Total Products Processed : 17283 Day : 89

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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	16:21:09.346	--	83346	Yes	--	15266

#### 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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(1)

## 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
--	--	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