

# GOME Daily Report

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## 1 - General Info

### 1.1 - Report Summary

Item	Value
Report Version	GOMEver3_3
Report of Day	20-FEB-2011
Start Time of First Product	00:15:12
Stop Time of Last Product	22:27:23
Number of EGOI Products analysed	33
Number of corrupted products	--
Anomalies and/or Special Operations	Nominal Data

### 1.2 - List of received products

Name	Date	Time
EGOI_110220CMEP4275.E2	20-FEB-2011	03:34:13.406
EGOI_110220CMEP4284.E2	20-FEB-2011	05:14:53.025
EGOI_110220CMEP4293.E2	20-FEB-2011	15:58:04.490
EGOI_110220CMEP4303.E2	20-FEB-2011	17:38:12.606
EGOI_110220GSEP6280.E2	20-FEB-2011	02:01:17.335
EGOI_110220GSEP6311.E2	20-FEB-2011	03:40:29.942
EGOI_110220GSEP6322.E2	20-FEB-2011	05:23:23.076
EGOI_110220KSEP3434.E2	20-FEB-2011	07:21:47.810
EGOI_110220KSEP3453.E2	20-FEB-2011	09:01:46.923

EGOI_110220KSEP3474.E2	20-FEB-2011	10:41:26.538
EGOI_110220KSEP3500.E2	20-FEB-2011	12:20:49.654
EGOI_110220KSEP3528.E2	20-FEB-2011	13:59:47.261
EGOI_110220KSEP3553.E2	20-FEB-2011	15:37:50.865
EGOI_110220KSEP3582.E2	20-FEB-2011	17:15:37.969
EGOI_110220KSEP3614.E2	20-FEB-2011	18:53:32.569
EGOI_110220KSEP3646.E2	20-FEB-2011	20:32:51.180
EGOI_110220KSEP3675.E2	20-FEB-2011	22:14:42.807
EGOI_110220MAEP2976.E2	20-FEB-2011	09:09:01.970
EGOI_110220MAEP2988.E2	20-FEB-2011	10:48:58.081
EGOI_110220MIEP3864.E2	20-FEB-2011	01:59:45.823
EGOI_110220MIEP3892.E2	20-FEB-2011	03:35:46.414
EGOI_110220MIEP3913.E2	20-FEB-2011	05:20:11.056
EGOI_110220MIEP3927.E2	20-FEB-2011	14:20:50.387
EGOI_110220MIEP3936.E2	20-FEB-2011	15:55:52.478
EGOI_110220MIEP3944.E2	20-FEB-2011	17:37:18.602
EGOI_110220MSEP7830.E2	20-FEB-2011	00:15:12.179
EGOI_110220MSEP7855.E2	20-FEB-2011	10:54:50.616
EGOI_110220MSEP7883.E2	20-FEB-2011	12:34:16.733
EGOI_110220MSEP7913.E2	20-FEB-2011	22:04:38.245
EGOI_110220SGEP1657.E2	20-FEB-2011	02:39:04.070
EGOI_110220SGEP1664.E2	20-FEB-2011	04:18:01.673
EGOI_110220SGEP1671.E2	20-FEB-2011	15:12:56.712
EGOI_110220SGEP1677.E2	20-FEB-2011	16:55:22.840

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### 1.3 - List of data gaps

Station	Orbit	Date	Start Time	Stop Time	Duration (s)
KS	82797	20-FEB-2011	07:19:46.643	07:21:47.809	121.16600
KS	82798	20-FEB-2011	08:59:17.991	09:01:46.922	148.93100
KS	82799	20-FEB-2011	10:38:54.962	10:41:26.538	151.57600
KS	82800	20-FEB-2011	12:18:18.460	12:20:49.653	151.19300
KS	82801	20-FEB-2011	13:57:12.508	13:59:47.260	154.75200
KS	82802	20-FEB-2011	15:35:15.525	15:37:50.864	155.33900
KS	82803	20-FEB-2011	17:13:03.625	17:15:37.969	154.34400
KS	82804	20-FEB-2011	18:51:11.965	18:53:32.568	140.60300
KS	82805	20-FEB-2011	20:30:50.056	20:32:51.180	121.12400
KS	82806	20-FEB-2011	22:12:30.840	22:14:42.807	131.96700
GS	82794	20-FEB-2011	01:59:24.257	02:01:17.334	113.07700
GS	82795	20-FEB-2011	03:38:38.446	03:40:29.941	111.49500
MS	82793	20-FEB-2011	00:12:59.992	00:15:12.179	132.18700

MS	82799	20-FEB-2011	10:52:20.011	10:54:50.616	150.60500
MS	82800	20-FEB-2011	12:31:36.408	12:34:16.732	160.32400
MS	82806	20-FEB-2011	22:02:36.664	22:04:38.245	121.58100
MS	82807	20-FEB-2011	23:40:45.439	23:43:01.356	135.91700
MA	82798	20-FEB-2011	09:07:51.894	09:09:01.969	70.075000
MA	82799	20-FEB-2011	10:47:02.173	10:48:58.081	115.90800
MI	82794	20-FEB-2011	01:57:32.480	01:59:45.823	133.34300
MI	82795	20-FEB-2011	03:33:16.255	03:35:46.413	150.15800
MI	82796	20-FEB-2011	05:18:28.214	05:20:11.055	102.84100
MI	82801	20-FEB-2011	14:19:11.824	14:20:50.387	98.563000
MI	82802	20-FEB-2011	15:53:25.704	15:55:52.478	146.77400
MI	82803	20-FEB-2011	17:34:59.824	17:37:18.601	138.77700
SG	82794	20-FEB-2011	02:36:50.176	02:39:04.069	133.89300
SG	82795	20-FEB-2011	04:15:48.466	04:18:01.672	133.20600
SG	82801	20-FEB-2011	15:10:43.201	15:12:56.711	133.51000
SG	82802	20-FEB-2011	16:52:40.114	16:55:22.839	162.72500
CM	82802	20-FEB-2011	15:56:31.396	15:58:04.490	93.094000
CM	82803	20-FEB-2011	17:36:57.921	17:38:12.606	74.685000

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#### 1.4 - List of missing products

Station	Orbit	Date	Start Time	Stop Time	Duration (s)
HO	82793	20-FEB-2011	01:06:59.629	01:20:11.189	791.56000
MM	82793	20-FEB-2011	01:18:53.438	01:29:01.654	608.21600
BE	82794	20-FEB-2011	02:24:58.691	02:37:52.033	773.34200
MM	82794	20-FEB-2011	03:01:40.395	03:09:30.269	469.87400
CM	82794	20-FEB-2011	03:32:40.892	03:44:24.304	703.41200
BE	82795	20-FEB-2011	04:04:36.986	04:16:33.405	716.41900
MM	82795	20-FEB-2011	04:44:42.857	04:50:39.274	356.41700
MM	82796	20-FEB-2011	06:26:43.258	06:33:06.595	383.33700
MM	82797	20-FEB-2011	08:07:34.602	08:16:11.797	517.19500
JO	82797	20-FEB-2011	07:44:45.126	07:59:20.072	874.94600
MM	82798	20-FEB-2011	09:47:55.804	09:58:41.961	646.15700
JO	82798	20-FEB-2011	09:25:13.315	09:37:43.295	749.98000
MM	82799	20-FEB-2011	11:28:01.621	11:40:09.475	727.85400
MM	82800	20-FEB-2011	13:07:53.931	13:20:34.876	760.94500

HO	82801	20-FEB-2011	14:57:09.859	15:06:27.822	557.96300
MM	82801	20-FEB-2011	14:47:31.155	15:00:12.741	761.58600
GS	82801	20-FEB-2011	14:09:41.976	14:18:45.795	543.81900
SG	82801	20-FEB-2011	15:10:43.201	15:24:27.421	824.22000
BE	82802	20-FEB-2011	15:22:20.788	15:33:23.583	662.79500
MM	82802	20-FEB-2011	16:26:52.056	16:39:25.085	753.02900
GS	82802	20-FEB-2011	15:47:32.554	16:01:27.095	834.54100
MM	82803	20-FEB-2011	18:06:01.189	18:18:34.396	753.20700
GS	82803	20-FEB-2011	17:27:34.154	17:39:04.765	690.61100
MM	82804	20-FEB-2011	19:45:13.460	19:57:55.271	761.81100
MA	82804	20-FEB-2011	18:50:20.597	18:54:34.886	254.28900
JO	82804	20-FEB-2011	20:04:51.776	20:19:04.103	852.32700
MM	82805	20-FEB-2011	21:24:51.742	21:37:32.540	760.79800
MA	82805	20-FEB-2011	20:23:10.873	20:36:57.639	826.76600
JO	82805	20-FEB-2011	21:44:23.702	21:57:46.825	803.12300
HO	82806	20-FEB-2011	22:56:27.378	23:09:45.921	798.54300
MM	82806	20-FEB-2011	23:05:17.953	23:17:25.074	727.12100
MA	82806	20-FEB-2011	22:05:21.922	22:15:25.499	603.57700
KS	82807	20-FEB-2011	23:57:17.101	00:03:03.087	345.98600

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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

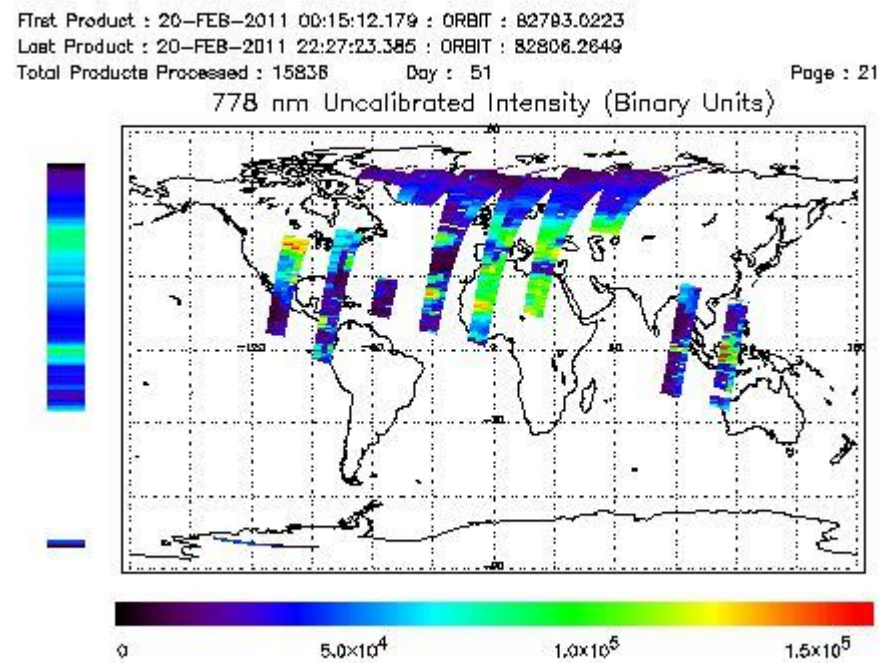
Indicator	Value
MPH Product Confidence	OK
SPH Product Confidence	OK
Command Word Echo Summary	OK
Instrument Status 1A	OK
Instrument Status 1B	OK
Instrument Status 2	OK
Integration Times Channel 1	OK
Co-Adding and Cluster Mode Flags	OK
Integration Times Band 2A	OK
Integration Times Band 2B	OK
Integration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

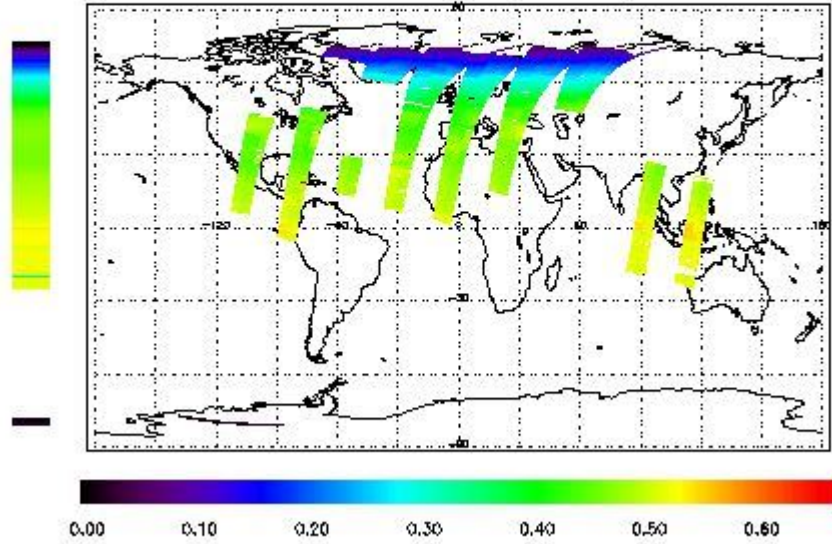
The images linked below provide a quick check on the data coverage and instrument performance. All data are UNCALIBRATED. For the explanation see the [GOME Performance Legend](#)

### NEAR IR Intensity

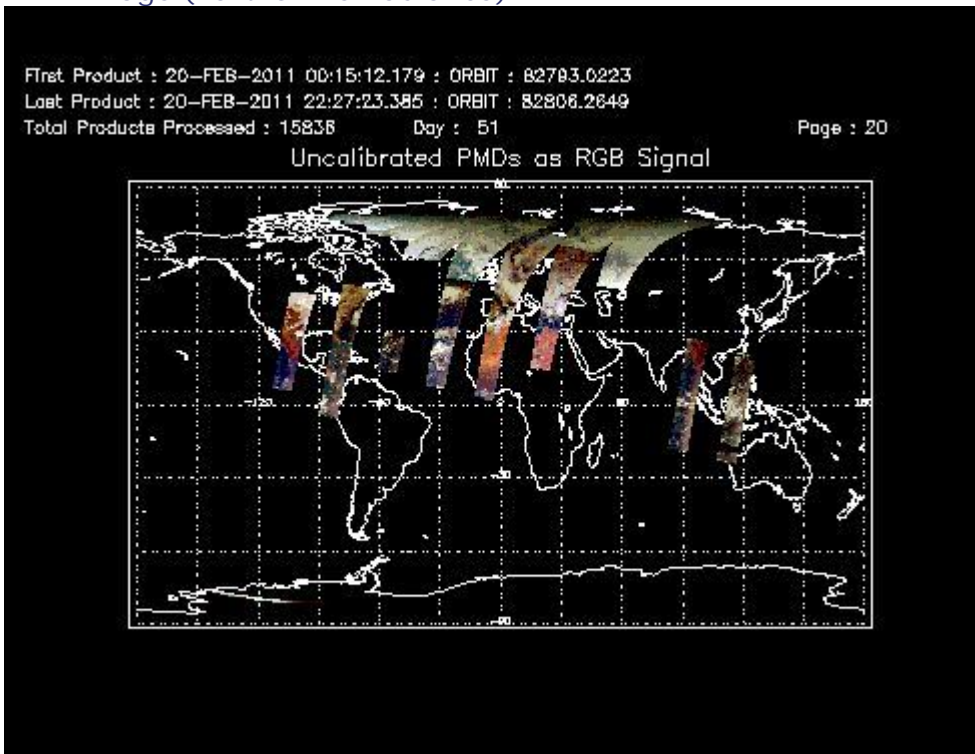


### Ozone Line Ratio

First Product : 20-FEB-2011 00:15:12.179 : ORBIT : 82793.0223  
 Last Product : 20-FEB-2011 22:27:23.385 : ORBIT : 82806.2649  
 Total Products Processed : 15838 Day : 51 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	10:43:25.053	--	82770	Yes	--	15600

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

### 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