

# GOME Daily Report

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## 1 - General Info

### 1.1 - Report Summary

Item	Value
Report Version	GOMEver3_3
Report of Day	15-NOV-2010
Start Time of First Product	02:45:24
Stop Time of Last Product	23:15:42
Number of EGOI Products analysed	26
Number of corrupted products	--
Anomalies and/or Special Operations	<span style="color: red;">Narrow Swath continued from previous day, stop orbit: 81411</span>

### 1.2 - List of received products

Name	Date	Time
EGOI_101115CMEP1719.E2	15-NOV-2010	02:45:24.137
EGOI_101115CMEP1727.E2	15-NOV-2010	04:24:26.247
EGOI_101115CMEP1737.E2	15-NOV-2010	15:09:01.746
EGOI_101115CMEP1744.E2	15-NOV-2010	16:45:57.841
EGOI_101115KSEP0095.E2	15-NOV-2010	06:30:37.527
EGOI_101115KSEP0123.E2	15-NOV-2010	08:10:32.153
EGOI_101115KSEP0146.E2	15-NOV-2010	09:50:11.765
EGOI_101115KSEP0168.E2	15-NOV-2010	11:29:48.384
EGOI_101115KSEP0197.E2	15-NOV-2010	13:08:54.999

EGOI_101115KSEP0218.E2	15-NOV-2010	14:47:40.607
EGOI_101115KSEP0246.E2	15-NOV-2010	16:25:20.216
EGOI_101115KSEP0276.E2	15-NOV-2010	18:03:23.819
EGOI_101115KSEP0308.E2	15-NOV-2010	19:41:27.427
EGOI_101115KSEP0336.E2	15-NOV-2010	21:21:55.052
EGOI_101115KSEP0361.E2	15-NOV-2010	23:04:42.187
EGOI_101115MAEP9701.E2	15-NOV-2010	09:57:38.811
EGOI_101115MAEP9724.E2	15-NOV-2010	21:14:23.503
EGOI_101115MSEP6561.E2	15-NOV-2010	10:05:43.367
EGOI_101115MSEP6586.E2	15-NOV-2010	11:42:46.963
EGOI_101115MSEP6609.E2	15-NOV-2010	13:24:05.590
EGOI_101115MSEP6626.E2	15-NOV-2010	21:17:04.020
EGOI_101115MSEP6658.E2	15-NOV-2010	22:51:28.609
EGOI_101115SGEP9408.E2	15-NOV-2010	03:27:27.395
EGOI_101115SGEP9415.E2	15-NOV-2010	05:09:28.025
EGOI_101115SGEP9421.E2	15-NOV-2010	14:23:29.958
EGOI_101115SGEP9427.E2	15-NOV-2010	16:01:54.575

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### 1.3 - List of data gaps

Station	Orbit	Date	Start Time	Stop Time	Duration (s)
KS	81408	15-NOV-2010	06:28:52.676	06:30:37.527	104.85100
KS	81409	15-NOV-2010	08:08:04.613	08:10:32.152	147.53900
KS	81410	15-NOV-2010	09:47:41.715	09:50:11.765	150.05000
KS	81411	15-NOV-2010	11:27:14.277	11:29:48.383	154.10600
KS	81412	15-NOV-2010	13:06:24.645	13:08:54.998	150.35300
KS	81413	15-NOV-2010	14:45:06.041	14:47:40.607	154.56600
KS	81414	15-NOV-2010	16:22:46.001	16:25:20.215	154.21400
KS	81415	15-NOV-2010	18:00:34.580	18:03:23.819	169.23900
KS	81416	15-NOV-2010	19:39:22.649	19:41:27.426	124.77700
KS	81417	15-NOV-2010	21:19:55.495	21:21:55.052	119.55700
KS	81418	15-NOV-2010	23:02:52.823	23:04:42.186	109.36300
MS	81411	15-NOV-2010	11:40:10.128	11:42:46.962	156.83400
MS	81412	15-NOV-2010	13:21:33.758	13:24:05.590	151.83200
MS	81418	15-NOV-2010	22:49:29.175	22:51:28.609	119.43400
MA	81410	15-NOV-2010	09:55:44.063	09:57:38.810	114.74700
MA	81417	15-NOV-2010	21:11:40.300	21:14:23.502	163.20200
SG	81406	15-NOV-2010	03:24:04.569	03:27:27.395	202.82600
SG	81412	15-NOV-2010	14:21:19.025	14:23:29.958	130.93300
SG	81413	15-NOV-2010	15:59:08.750	16:01:54.575	165.82500

CM	81413	15-NOV-2010	15:07:58.831	15:09:01.746	62.915000
CM	81414	15-NOV-2010	16:44:31.345	16:45:57.841	86.496000

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#### 1.4 - List of missing products

Station	Orbit	Date	Start Time	Stop Time	Duration (s)
HO	81404	15-NOV-2010	00:14:53.352	00:29:31.589	878.23700
MM	81404	15-NOV-2010	00:26:23.456	00:37:28.821	665.36500
HO	81405	15-NOV-2010	01:58:12.897	02:06:52.472	519.57500
MM	81405	15-NOV-2010	02:08:43.053	02:17:46.842	543.78900
GS	81405	15-NOV-2010	01:10:07.708	01:20:41.336	633.62800
BE	81406	15-NOV-2010	03:13:04.813	03:26:26.855	802.04200
MM	81406	15-NOV-2010	03:51:46.051	03:58:30.398	404.34700
MI	81406	15-NOV-2010	02:42:56.428	02:55:09.512	733.08400
GS	81406	15-NOV-2010	02:47:03.042	03:00:58.491	835.44900
BE	81407	15-NOV-2010	04:54:04.275	05:02:21.706	497.43100
MM	81407	15-NOV-2010	05:34:26.678	05:40:15.066	348.38800
MI	81407	15-NOV-2010	04:22:26.559	04:34:09.544	702.98500
GS	81407	15-NOV-2010	04:28:44.154	04:39:21.746	637.59200
MM	81408	15-NOV-2010	07:15:48.180	07:23:11.651	443.47100
JO	81408	15-NOV-2010	06:55:33.911	07:07:10.521	696.61000
MM	81409	15-NOV-2010	08:56:21.552	09:06:06.026	584.47400
MA	81409	15-NOV-2010	08:17:23.184	08:28:16.340	653.15600
JO	81409	15-NOV-2010	08:32:45.775	08:47:38.959	893.18400
MM	81410	15-NOV-2010	10:36:34.569	10:48:06.983	692.41400
MM	81411	15-NOV-2010	12:16:33.931	12:29:03.202	749.27100
MA	81411	15-NOV-2010	11:37:06.351	11:44:17.141	430.79000
MM	81412	15-NOV-2010	13:56:19.167	14:09:03.101	763.93400
SG	81412	15-NOV-2010	14:21:19.025	14:31:59.530	640.50500
BE	81413	15-NOV-2010	14:29:49.003	14:43:02.858	793.85500
MM	81413	15-NOV-2010	15:35:48.419	15:48:25.586	757.16700
MI	81413	15-NOV-2010	15:03:10.537	15:14:39.547	689.01000
GS	81413	15-NOV-2010	14:56:46.010	15:09:28.273	762.26300
MM	81414	15-NOV-2010	17:15:02.438	17:27:33.973	751.53500
MI	81414	15-NOV-2010	16:42:00.859	16:54:23.643	742.78400
GS	81414	15-NOV-2010	16:35:56.095	16:49:25.266	809.17100

MM	81415	15-NOV-2010	18:54:10.575	19:06:47.733	757.15800
GS	81415	15-NOV-2010	18:16:57.032	18:24:37.770	460.73800
JO	81415	15-NOV-2010	19:15:40.489	19:25:29.041	588.55200
MM	81416	15-NOV-2010	20:33:32.466	20:46:16.468	764.00200
MA	81416	15-NOV-2010	19:33:20.532	19:45:07.508	706.97600
JO	81416	15-NOV-2010	20:52:45.118	21:07:45.238	900.12000
HO	81417	15-NOV-2010	22:07:17.691	22:18:02.331	644.64000
MM	81417	15-NOV-2010	22:13:31.657	22:26:01.440	749.78300
JO	81417	15-NOV-2010	22:34:29.855	22:43:00.451	510.59600
HO	81418	15-NOV-2010	23:43:52.514	23:58:16.072	863.55800
MM	81418	15-NOV-2010	23:54:26.980	00:06:00.624	693.64400

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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

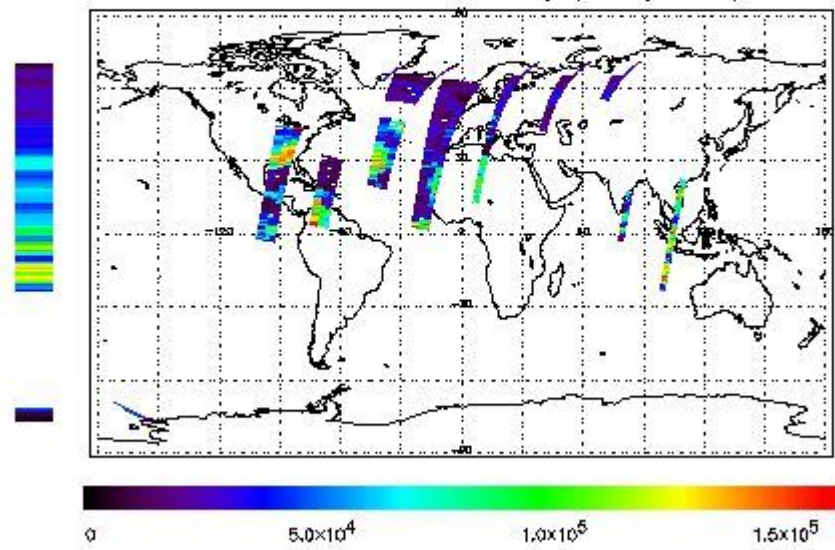
## 2.2 - Daily Plots

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 : 15-NOV-2010 02:45:24.137 : ORBIT : 81406.0296  
 Last Product : 15-NOV-2010 23:15:42.281 : ORBIT : 81418.2594  
 Total Products Processed : 11924 Day : 319 Page : 21

778 nm Uncalibrated Intensity (Binary Units)



### Ozone Line Ratio

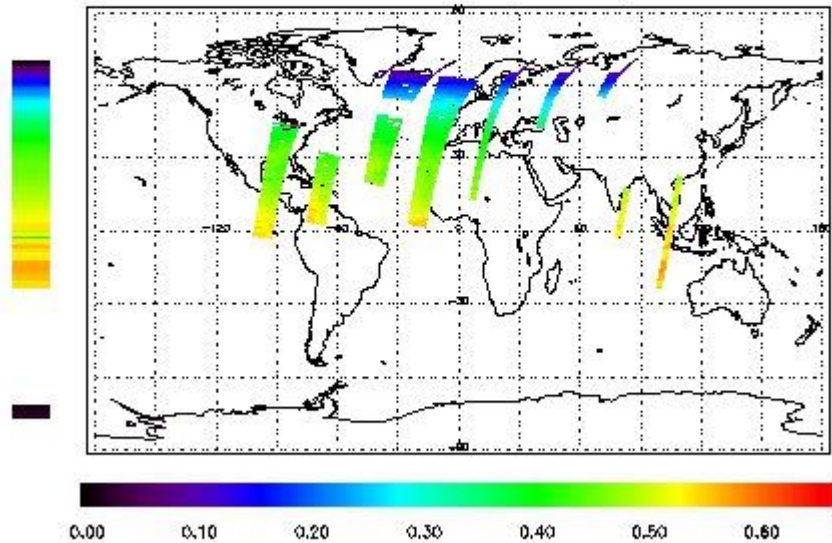
First Product : 15-NOV-2010 02:45:24.137 : ORBIT : 81406.0296

Last Product : 15-NOV-2010 23:15:42.261 : ORBIT : 81418.2594

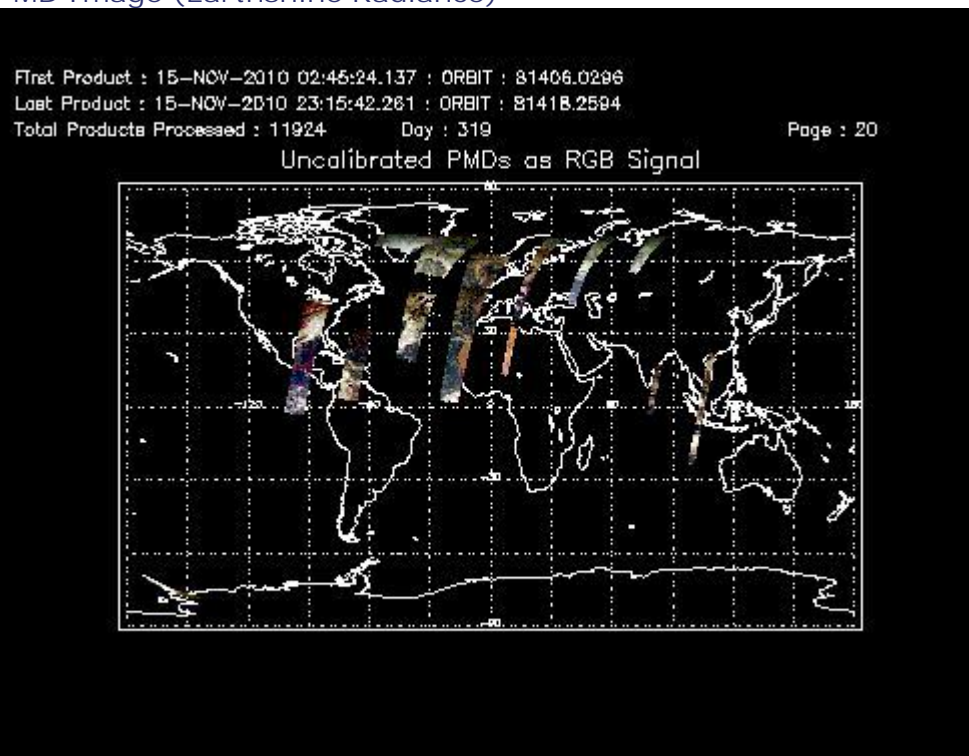
Total Products Processed : 11924 Day : 319

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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	11:34:37.911	--	81411	Yes	--	15562

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

### 5.5 - Narrow Swath Timeline

Start Time	End Time	Start Orbit	End Orbit
13:30	12:00	81398	81411

## 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