

# GOME Daily Report

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## 1 - General Info

### 1.1 - Report Summary

Item	Value
Report Version	GOMEver3_3
Report of Day	16-JUN-2011
Start Time of First Product	00:59:20
Stop Time of Last Product	23:07:03
Number of EGOI Products analysed	35
Number of corrupted products	--
Anomalies and/or Special Operations	Nominal Data

### 1.2 - List of received products

Name	Date	Time
EGOI_110616CMEP7397.E2	16-JUN-2011	02:39:41.652
EGOI_110616CMEP7407.E2	16-JUN-2011	04:15:16.734
EGOI_110616CMEP7413.E2	16-JUN-2011	15:01:26.680
EGOI_110616CMEP7422.E2	16-JUN-2011	16:38:25.775
EGOI_110616GSEP4527.E2	16-JUN-2011	01:05:24.578
EGOI_110616GSEP4559.E2	16-JUN-2011	02:41:59.664
EGOI_110616GSEP4568.E2	16-JUN-2011	06:05:15.909
EGOI_110616KSEP7821.E2	16-JUN-2011	06:23:23.519
EGOI_110616KSEP7845.E2	16-JUN-2011	08:03:09.128

EGOI_110616KSEP7870.E2	16-JUN-2011	09:42:36.733
EGOI_110616KSEP7892.E2	16-JUN-2011	11:22:05.839
EGOI_110616KSEP7909.E2	16-JUN-2011	13:01:07.945
EGOI_110616KSEP7917.E2	16-JUN-2011	14:39:47.547
EGOI_110616KSEP7931.E2	16-JUN-2011	16:17:24.145
EGOI_110616KSEP7959.E2	16-JUN-2011	17:55:18.740
EGOI_110616KSEP7991.E2	16-JUN-2011	19:33:07.342
EGOI_110616KSEP8013.E2	16-JUN-2011	21:13:15.447
EGOI_110616KSEP8029.E2	16-JUN-2011	22:55:43.077
EGOI_110616MAEP9373.E2	16-JUN-2011	08:11:52.679
EGOI_110616MAEP9393.E2	16-JUN-2011	09:50:08.276
EGOI_110616MAEP9413.E2	16-JUN-2011	21:05:43.900
EGOI_110616MAEP9427.E2	16-JUN-2011	22:48:41.530
EGOI_110616MIEP5388.E2	16-JUN-2011	02:38:25.144
EGOI_110616MIEP5417.E2	16-JUN-2011	04:17:16.746
EGOI_110616MIEP5443.E2	16-JUN-2011	14:57:43.156
EGOI_110616MIEP5461.E2	16-JUN-2011	16:36:01.758
EGOI_110616MMEP0608.E2	16-JUN-2011	22:07:11.276
EGOI_110616MSEP1432.E2	16-JUN-2011	00:59:20.043
EGOI_110616MSEP1447.E2	16-JUN-2011	09:58:38.332
EGOI_110616MSEP1476.E2	16-JUN-2011	11:35:16.418
EGOI_110616MSEP1500.E2	16-JUN-2011	13:15:48.531
EGOI_110616MSEP1530.E2	16-JUN-2011	22:43:18.999
EGOI_110616SGEP3919.E2	16-JUN-2011	05:02:15.519
EGOI_110616SGEP3924.E2	16-JUN-2011	14:15:59.403
EGOI_110616SGEP3931.E2	16-JUN-2011	15:53:34.497

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### 1.3 - List of data gaps

Station	Orbit	Date	Start Time	Stop Time	Duration (s)
KS	84458	16-JUN-2011	08:15:52.705	08:26:18.668	625.96300
KS	84459	16-JUN-2011	09:57:06.817	10:07:20.523	613.70600
KS	84460	16-JUN-2011	11:36:05.924	11:46:30.610	624.68600
KS	84461	16-JUN-2011	13:13:35.018	13:24:29.870	654.85200
KS	84462	16-JUN-2011	14:51:22.121	15:02:13.645	651.52400
KS	84463	16-JUN-2011	16:29:52.719	16:40:32.236	639.51700
KS	84464	16-JUN-2011	18:08:41.322	18:19:34.735	653.41300
KS	84465	16-JUN-2011	19:48:04.426	19:59:03.823	659.39700
KS	84466	16-JUN-2011	21:27:35.032	21:38:41.499	666.46700
GS	84454	16-JUN-2011	01:16:38.143	01:26:28.269	590.12600
GS	84455	16-JUN-2011	02:56:50.753	03:06:39.489	588.73600
MS	84460	16-JUN-2011	11:48:22.500	11:59:07.827	645.32700

MS	84467	16-JUN-2011	22:56:35.577	23:08:27.473	711.89600
MA	84459	16-JUN-2011	10:03:51.861	10:14:28.645	636.78400
MA	84466	16-JUN-2011	21:19:09.482	21:30:39.051	689.56900
MI	84455	16-JUN-2011	02:50:56.718	03:00:56.227	599.50900
MI	84456	16-JUN-2011	04:30:12.323	04:39:38.981	566.65800
MI	84462	16-JUN-2011	15:09:17.726	15:20:33.571	675.84500
MI	84463	16-JUN-2011	16:49:25.840	16:59:53.135	627.29500
MM	84466	16-JUN-2011	22:20:05.353	22:31:43.886	698.53300
SG	84462	16-JUN-2011	16:07:06.079	16:17:51.172	645.09300
CM	84455	16-JUN-2011	04:28:22.811	04:38:25.000	602.18900
CM	84463	16-JUN-2011	16:51:21.353	17:02:18.647	657.29400

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#### 1.4 - List of missing products

Station	Orbit	Date	Start Time	Stop Time	Duration (s)
HO	84453	16-JUN-2011	00:20:34.118	00:35:12.188	878.07000
MM	84453	16-JUN-2011	00:32:12.610	00:43:12.276	659.66600
HO	84454	16-JUN-2011	02:04:47.919	02:12:07.013	439.09400
MM	84454	16-JUN-2011	02:14:35.582	02:23:31.308	535.72600
BE	84455	16-JUN-2011	03:18:46.594	03:32:04.959	798.36500
MM	84455	16-JUN-2011	03:57:39.548	04:04:17.114	397.56600
SG	84455	16-JUN-2011	03:29:44.376	03:43:37.318	832.94200
CM	84455	16-JUN-2011	02:49:38.513	02:57:17.354	458.84100
CM	84455	16-JUN-2011	04:26:17.349	04:38:25.000	727.65100
MM	84456	16-JUN-2011	05:40:16.329	05:46:06.541	350.21200
GS	84456	16-JUN-2011	04:34:45.472	04:44:51.877	606.40500
MM	84457	16-JUN-2011	07:21:33.829	07:29:05.278	451.44900
JO	84457	16-JUN-2011	07:00:55.359	07:13:02.434	727.07500
MM	84458	16-JUN-2011	09:02:05.577	09:11:57.477	591.90000
JO	84458	16-JUN-2011	08:38:30.067	08:53:16.637	886.57000
MM	84459	16-JUN-2011	10:42:17.747	10:53:54.784	697.03700
MM	84460	16-JUN-2011	12:22:16.344	12:34:47.431	751.08700
MA	84460	16-JUN-2011	11:42:55.034	11:49:28.175	393.14100
BE	84461	16-JUN-2011	12:57:21.427	13:08:49.663	688.23600
MM	84461	16-JUN-2011	14:02:00.713	14:14:44.609	763.89600
BE	84462	16-JUN-2011	14:35:34.172	14:48:41.335	787.16300

MM	84462	16-JUN-2011	15:41:29.022	15:54:05.655	756.63300
GS	84462	16-JUN-2011	15:02:22.591	15:15:18.995	776.40400
MM	84463	16-JUN-2011	17:20:42.349	17:33:13.905	751.55600
GS	84463	16-JUN-2011	16:41:39.062	16:54:59.870	800.80800
MM	84464	16-JUN-2011	18:59:50.657	19:12:28.357	757.70000
GS	84464	16-JUN-2011	18:22:50.799	18:29:51.196	420.39700
JO	84464	16-JUN-2011	19:20:59.703	19:31:36.534	636.83100
MM	84465	16-JUN-2011	20:39:14.060	20:51:58.046	763.98600
MA	84465	16-JUN-2011	19:38:48.829	19:50:55.075	726.24600
JO	84465	16-JUN-2011	20:58:26.594	21:13:23.466	896.87200
HO	84466	16-JUN-2011	22:12:38.584	22:23:50.150	671.56600
JO	84466	16-JUN-2011	22:40:35.777	22:48:04.252	448.47500
HO	84467	16-JUN-2011	23:49:30.007	00:03:57.672	867.66500

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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 Temperatures B	OK
Charge Amp Temperatures	OK
Other Temperatures A	OK
DDHU Temperatures	OK
Optical Bench Temperatures	OK
Other Temperatures B	OK

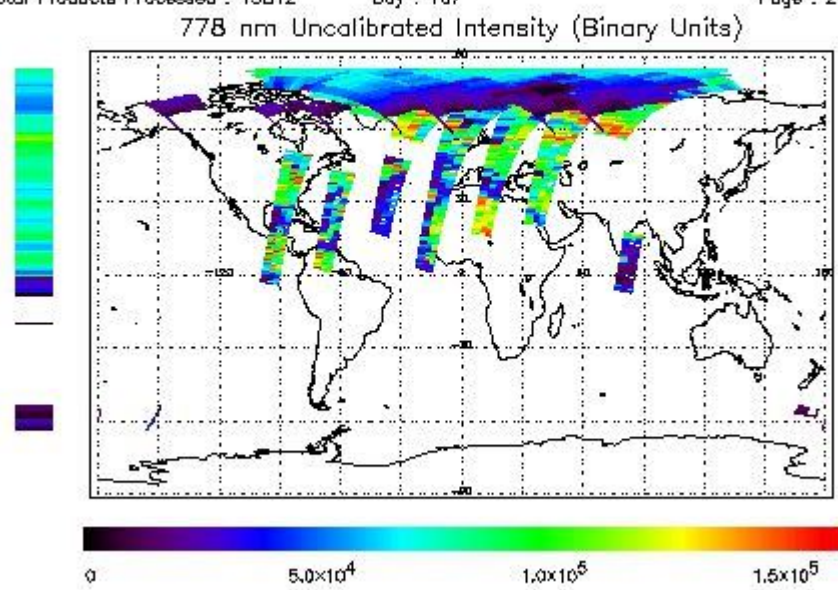
Calibration Lamp and Instr. Status 3	OK
Scan Mirror and Motor Current	OK
Selected Temperature A	OK
Selected Temperature B	OK
Selected Temperature C	OK
Channel 1 Summation	OK
Channel 2 Summation	OK
Channel 4 Summation	OK
Log Pages	OK
331/338 nm Uncal. Line Ratio	OK
Uncal. PMDs as RGB signal	OK
780 nm 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

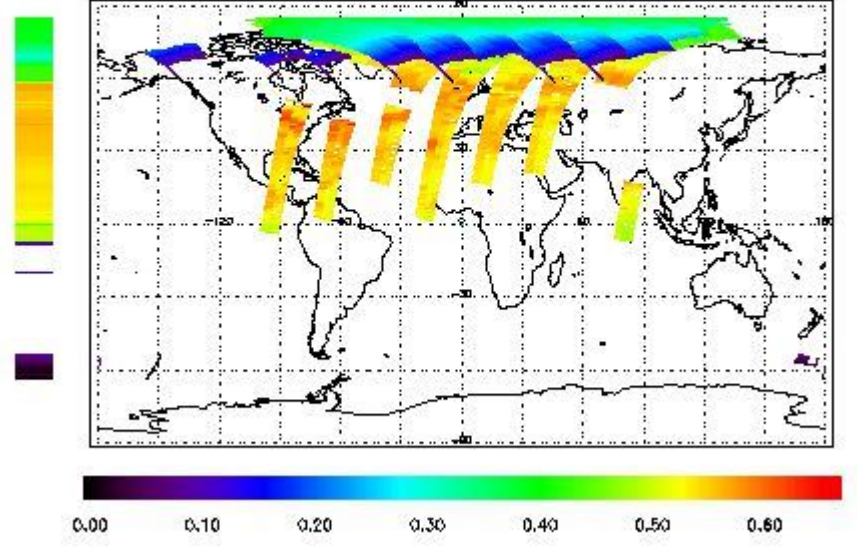
Final Product : 16-JUN-2011 00:59:20.043 : ORBIT : 84453.9181  
 Last Product : 16-JUN-2011 23:07:02.639 : ORBIT : 84487.1162  
 Total Products Processed : 15812 Day : 167 Page : 21



### Ozone Line Ratio

First Product : 16-JUN-2011 00:59:20.043 : ORBIT : 84453.9181  
Last Product : 16-JUN-2011 23:07:02.639 : ORBIT : 84467.1162  
Total Products Processed : 15812 Day : 167

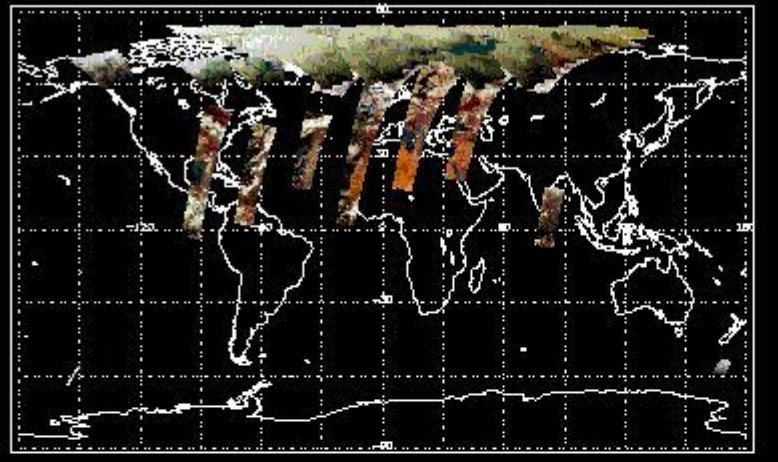
331/313 nm Uncalibrated Line Ratio, SZA Dependence Removed



PMD Image (Earthshine Radiance)

First Product : 16-JUN-2011 00:59:20.043 : ORBIT : 84453.9181  
Last Product : 16-JUN-2011 23:07:02.639 : ORBIT : 84467.1162  
Total Products Processed : 15812 Day : 167

Uncalibrated PMDs as RGB Signal



### 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)
	19:36:46.357	--	84465	Yes	--	14341

#### 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