

# GOME Daily Report

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## 1 - General Info

### 1.1 - Report Summary

Item	Value
Report Version	GOMEver3_3
Report of Day	10-Sep-2010
Start Time of First Product	23:51:42 (09-Sep)
Stop Time of Last Product	23:42:37
Number of EGOI Products analysed	37
Number of corrupted products	1
Anomalies and/or Special Operations	Nominal Data

### 1.2 - List of received products

Name	Date	Time
EGOI_100910GSEP4687.E2	10-SEP-2010	02:23:51.949
EGOI_100910GSEP4712.E2	10-SEP-2010	04:03:42.058
EGOI_100910GSEP4719.E2	10-SEP-2010	05:46:14.183
EGOI_100910HLEP7623.E2	09-SEP-2010	23:51:42.020
EGOI_100910HLEP7638.E2	10-SEP-2010	21:45:50.039
EGOI_100910KSEP4452.E2	10-SEP-2010	07:44:11.901
EGOI_100910KSEP4471.E2	10-SEP-2010	09:24:15.516
EGOI_100910KSEP4501.E2	10-SEP-2010	11:03:52.120
EGOI_100910KSEP4530.E2	10-SEP-2010	12:43:09.227

EGOI_100910KSEP4540.E2	10-SEP-2010	14:22:02.330
EGOI_100910KSEP4566.E2	10-SEP-2010	15:59:49.428
EGOI_100910KSEP4595.E2	10-SEP-2010	17:37:45.527
EGOI_100910KSEP4627.E2	10-SEP-2010	19:15:35.626
EGOI_100910KSEP4658.E2	10-SEP-2010	20:55:37.737
EGOI_100910KSEP4685.E2	10-SEP-2010	22:37:36.855
EGOI_100910MAEP6899.E2	10-SEP-2010	09:31:57.558
EGOI_100910MAEP6917.E2	10-SEP-2010	11:11:32.671
EGOI_100910MAEP6935.E2	10-SEP-2010	22:30:02.312
EGOI_100910MIEP0422.E2	10-SEP-2010	02:20:39.929
EGOI_100910MIEP0438.E2	10-SEP-2010	03:58:55.527
EGOI_100910MIEP0456.E2	10-SEP-2010	14:40:48.943
EGOI_100910MIEP0472.E2	10-SEP-2010	16:18:13.541
EGOI_100910MMEP4705.E2	10-SEP-2010	00:01:28.580
EGOI_100910MMEP4713.E2	10-SEP-2010	01:43:21.702
EGOI_100910MMEP4721.E2	10-SEP-2010	03:25:58.327
EGOI_100910MMEP4731.E2	10-SEP-2010	08:31:10.691
EGOI_100910MMEP4742.E2	10-SEP-2010	16:51:37.744
EGOI_100910MMEP4751.E2	10-SEP-2010	18:30:44.345
EGOI_100910MMEP4758.E2	10-SEP-2010	20:09:46.452
EGOI_100910MMEP4767.E2	10-SEP-2010	21:50:05.062
EGOI_100910MMEP4775.E2	10-SEP-2010	23:29:56.675
EGOI_100910MSEP8973.E2	10-SEP-2010	00:39:00.311
EGOI_100910MSEP8991.E2	10-SEP-2010	11:16:56.703
EGOI_100910MSEP9016.E2	10-SEP-2010	12:57:10.810
EGOI_100910MSEP9045.E2	10-SEP-2010	22:26:15.789
EGOI_100910SGEP8056.E2	10-SEP-2010	13:59:05.189
EGOI_100910SGEP8062.E2	10-SEP-2010	15:44:38.834

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### 1.3 - List of data gaps

Station	Orbit	Date	Start Time	Stop Time	Duration (s)
KS	80464	10-SEP-2010	07:42:29.491	07:44:11.900	102.40900
KS	80465	10-SEP-2010	09:22:04.467	09:24:15.516	131.04900
KS	80466	10-SEP-2010	11:01:39.854	11:03:52.120	132.26600
KS	80467	10-SEP-2010	12:40:57.756	12:43:09.226	131.47000
KS	80468	10-SEP-2010	14:19:47.674	14:22:02.329	134.65500
KS	80469	10-SEP-2010	15:57:35.730	15:59:49.428	133.69800
KS	80470	10-SEP-2010	17:35:30.572	17:37:45.527	134.95500
KS	80471	10-SEP-2010	19:13:49.514	19:15:35.626	106.11200
KS	80472	10-SEP-2010	20:53:52.295	20:55:37.737	105.44200
KS	80473	10-SEP-2010	22:36:07.242	22:37:36.855	89.613000

GS	80462	10-SEP-2010	04:02:00.566	04:03:42.057	101.49100
MS	80460	10-SEP-2010	00:37:08.886	00:39:00.311	111.42500
MS	80466	10-SEP-2010	11:14:42.142	11:16:56.702	134.56000
MS	80467	10-SEP-2010	12:54:54.482	12:57:10.809	136.32700
MS	80473	10-SEP-2010	22:24:27.713	22:26:15.788	108.07500
MA	80465	10-SEP-2010	09:30:11.489	09:31:57.557	106.06800
MI	80461	10-SEP-2010	02:18:31.827	02:20:39.929	128.10200
MI	80462	10-SEP-2010	03:56:11.600	03:58:55.527	163.92700
MI	80468	10-SEP-2010	14:38:51.736	14:40:48.943	117.20700
MI	80469	10-SEP-2010	16:16:10.093	16:18:13.540	123.44700
MM	80459	10-SEP-2010	00:00:14.941	00:01:28.580	73.639000
MM	80460	10-SEP-2010	01:42:18.689	01:43:21.701	63.012000
MM	80469	10-SEP-2010	16:49:32.526	16:51:37.744	125.21800
MM	80470	10-SEP-2010	18:28:40.682	18:30:44.344	123.66200
MM	80471	10-SEP-2010	20:07:56.761	20:09:46.451	109.69000
MM	80472	10-SEP-2010	21:47:44.267	21:50:05.062	140.79500
MM	80473	10-SEP-2010	23:28:23.817	23:29:56.674	92.857000

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#### 1.4 - List of missing products

Station	Orbit	Date	Start Time	Stop Time	Duration (s)
HO	80459	09-SEP-2010	23:49:30.005	00:03:57.670	867.66500
HO	80460	10-SEP-2010	01:30:34.563	01:42:23.042	708.47900
GS	80460	10-SEP-2010	00:46:04.003	00:54:31.451	507.44800
BE	80461	10-SEP-2010	02:47:32.342	03:00:53.104	800.76200
SG	80461	10-SEP-2010	02:58:50.907	03:12:12.090	801.18300
CM	80461	10-SEP-2010	03:54:59.375	04:07:20.822	741.44700
BE	80462	10-SEP-2010	04:27:45.142	04:38:20.588	635.44600
MM	80462	10-SEP-2010	05:08:09.539	05:13:56.966	347.42700
SG	80462	10-SEP-2010	04:39:30.712	04:49:41.105	610.39300
MM	80463	10-SEP-2010	06:49:50.805	06:56:40.286	409.48100
KS	80463	10-SEP-2010	06:03:42.193	06:09:09.294	327.10100
CM	80463	10-SEP-2010	05:38:35.533	05:42:40.507	244.97400
JO	80463	10-SEP-2010	06:31:59.942	06:40:22.496	502.55400
MA	80464	10-SEP-2010	07:52:55.988	07:59:48.144	412.15600
JO	80464	10-SEP-2010	08:07:10.617	08:22:10.393	899.77600

MM	80465	10-SEP-2010	10:10:49.739	10:21:59.204	669.46500
JO	80465	10-SEP-2010	09:49:22.540	09:59:18.318	595.77800
HO	80466	10-SEP-2010	12:00:13.468	12:13:34.691	801.22300
MM	80466	10-SEP-2010	11:50:52.515	12:03:11.826	739.31100
HO	80467	10-SEP-2010	13:39:14.261	13:53:43.826	869.56500
MM	80467	10-SEP-2010	13:30:41.561	13:43:24.723	763.16200
BE	80468	10-SEP-2010	14:04:08.723	14:17:33.420	804.69700
HO	80468	10-SEP-2010	15:20:34.188	15:28:10.324	456.13600
MM	80468	10-SEP-2010	15:10:15.062	15:22:54.660	759.59800
GS	80468	10-SEP-2010	14:31:40.463	14:42:40.360	659.89700
BE	80469	10-SEP-2010	15:46:27.012	15:55:15.535	528.52300
GS	80469	10-SEP-2010	16:10:16.277	16:24:09.137	832.86000
CM	80469	10-SEP-2010	16:18:56.554	16:31:19.791	743.23700
GS	80470	10-SEP-2010	17:50:41.614	18:00:43.195	601.58100
CM	80470	10-SEP-2010	18:01:33.963	18:06:10.704	276.74100
MA	80471	10-SEP-2010	19:11:09.646	19:18:51.433	461.78700
JO	80471	10-SEP-2010	20:27:16.997	20:42:09.370	892.37300
MA	80472	10-SEP-2010	20:45:44.017	20:59:26.701	822.68400
JO	80472	10-SEP-2010	22:07:43.403	22:19:24.481	701.07800
HO	80473	10-SEP-2010	23:18:30.916	23:32:38.470	847.55400

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## 1.5 - List of corrupted products

Station	Orbit	Time
SG	80468	13:59:38.192

## 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

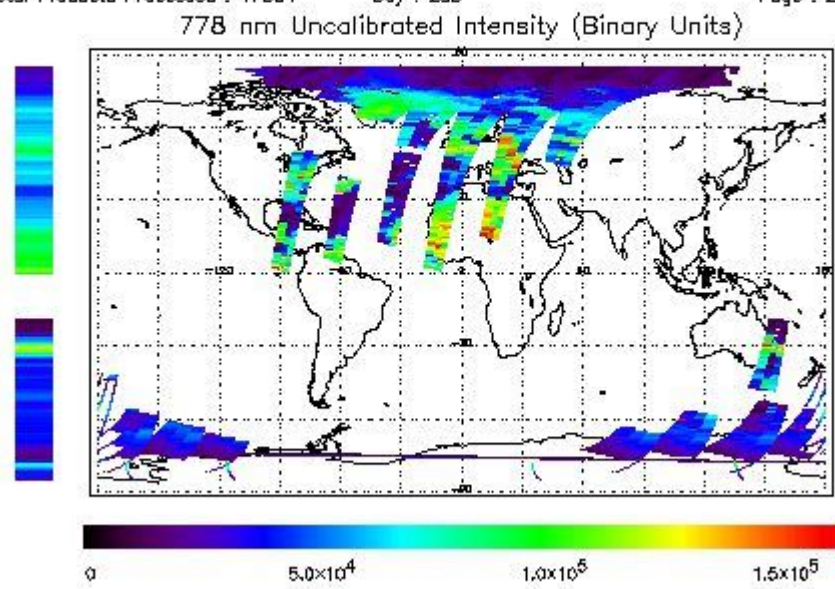
Integration Times Band 3	OK
Integration Times Band 4	OK
Scan Mirror position	OK
Polarization Detectors	OK
FPA Temperatures A	OK
FPA Temperatures B	OK
Charge Amp Temperatures	OK
Other Temperatures A	OK
DDHU Temperatures	OK
Optical Bench Temperatures	OK
Other Temperatures B	OK
Calibration Lamp and Instr. 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

First Product : 09-SEP-2010 23:51:42.020 : ORBIT : 80459.5601  
 Last Product : 10-SEP-2010 23:42:37.248 : ORBIT : 80473.7841  
 Total Products Processed : 17551 Day : 253 Page : 21

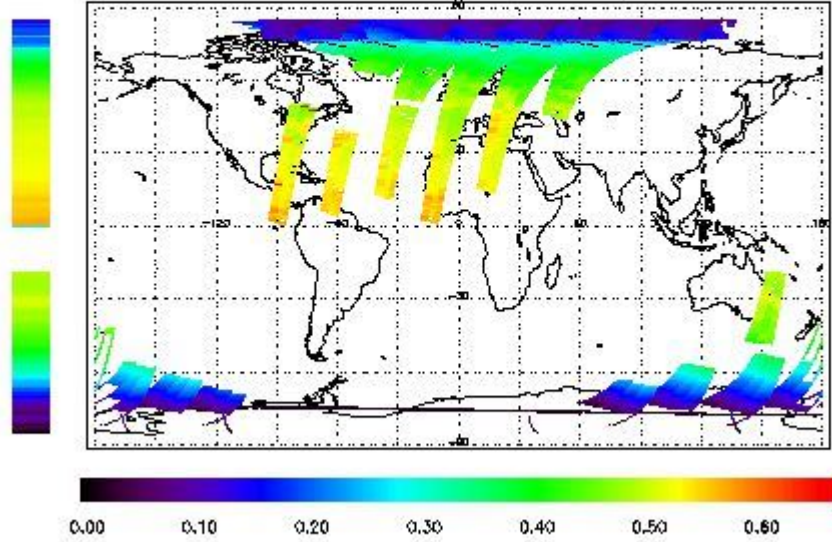


### Ozone Line Ratio

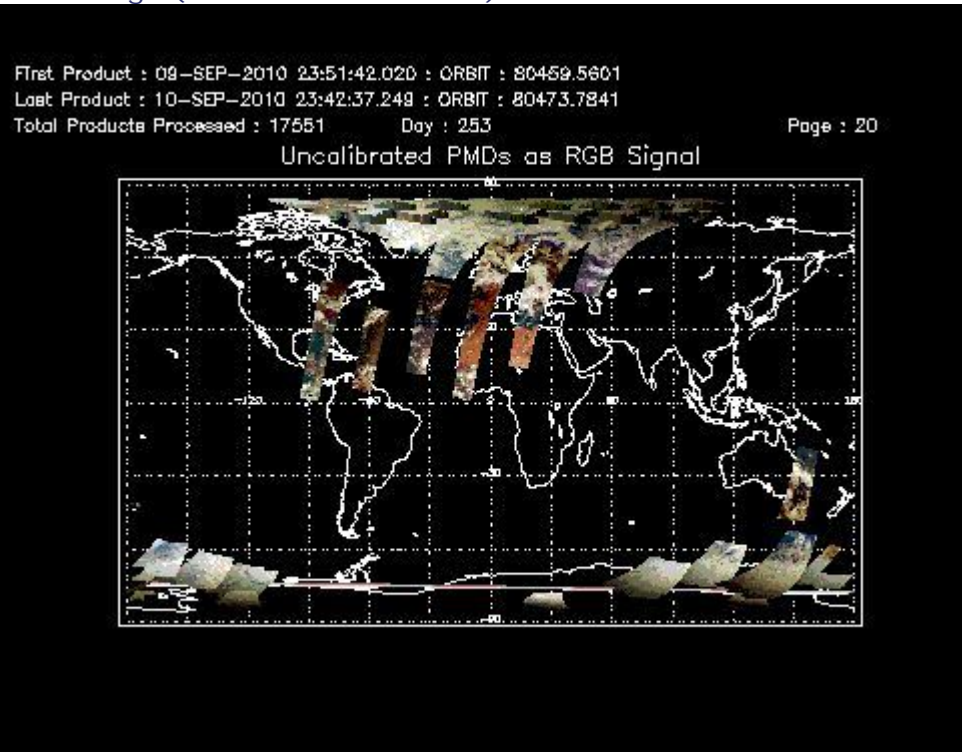
First Product : 09-SEP-2010 23:51:42.020 : ORBIT : 80459.5601  
 Last Product : 10-SEP-2010 23:42:37.248 : ORBIT : 80473.7841  
 Total Products Processed : 17551 Day : 253

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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	19:24:26.672	--	80471	Yes	--	14996

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

### 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
01:00	--	80388	--

## 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