

# GOME Daily Report

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## 1 - General Info

### 1.1 - Report Summary

Item	Value
Report Version	GOMEver3_3
Report of Day	16-JAN-2010
Start Time of First Product	23:45:46
Stop Time of Last Product	23:38:17
Number of EGOI Products analysed	32
Number of corrupted products	--
Anomalies and/or Special Operations	Nominal Data

### 1.2 - List of received products

Name	Date	Time
EGOI_100116BEEP1670.E2	16-JAN-2010	01:59:32.883
EGOI_100116BEEP1678.E2	16-JAN-2010	03:38:27.486
EGOI_100116GSEP7483.E2	16-JAN-2010	01:33:46.223
EGOI_100116GSEP7512.E2	16-JAN-2010	03:11:42.326
EGOI_100116GSEP7521.E2	16-JAN-2010	04:54:24.960
EGOI_100116KSEP6507.E2	16-JAN-2010	06:53:09.192
EGOI_100116KSEP6529.E2	16-JAN-2010	08:33:08.308
EGOI_100116KSEP6550.E2	16-JAN-2010	10:12:50.924
EGOI_100116KSEP6576.E2	16-JAN-2010	11:52:21.541

EGOI_100116KSEP6592.E2	16-JAN-2010	13:31:19.149
EGOI_100116KSEP6605.E2	16-JAN-2010	15:10:00.257
EGOI_100116KSEP6636.E2	16-JAN-2010	16:47:29.361
EGOI_100116KSEP6671.E2	16-JAN-2010	18:25:25.470
EGOI_100116KSEP6707.E2	16-JAN-2010	20:04:08.074
EGOI_100116KSEP6739.E2	16-JAN-2010	21:45:07.198
EGOI_100116KSEP6766.E2	16-JAN-2010	23:28:25.833
EGOI_100116MAEP7903.E2	16-JAN-2010	08:41:06.855
EGOI_100116MAEP7915.E2	16-JAN-2010	10:20:17.967
EGOI_100116MAEP7936.E2	16-JAN-2010	19:57:45.534
EGOI_100116MIEP0412.E2	16-JAN-2010	03:07:15.298
EGOI_100116MIEP0437.E2	16-JAN-2010	04:48:26.421
EGOI_100116MIEP0453.E2	16-JAN-2010	15:27:33.366
EGOI_100116MIEP0476.E2	16-JAN-2010	17:07:32.487
EGOI_100116MSEP1542.E2	15-JAN-2010	23:45:45.555
EGOI_100116MSEP1566.E2	16-JAN-2010	10:27:22.516
EGOI_100116MSEP1595.E2	16-JAN-2010	12:05:14.116
EGOI_100116MSEP1604.E2	16-JAN-2010	13:48:08.752
EGOI_100116MSEP1628.E2	16-JAN-2010	21:37:43.151
EGOI_100116MSEP1660.E2	16-JAN-2010	23:14:10.747
EGOI_100116SGEP2979.E2	16-JAN-2010	03:53:11.080
EGOI_100116SGEP2987.E2	16-JAN-2010	14:47:13.616
EGOI_100116SGEP2992.E2	16-JAN-2010	16:25:05.221

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### 1.3 - List of data gaps

Station	Orbit	Date	Start Time	Stop Time	Duration (s)
KS	77071	16-JAN-2010	06:51:26.929	06:53:09.191	102.26200
KS	77072	16-JAN-2010	08:30:50.217	08:33:08.308	138.09100
KS	77073	16-JAN-2010	10:10:27.893	10:12:50.924	143.03100
KS	77074	16-JAN-2010	11:49:57.005	11:52:21.541	144.53600
KS	77075	16-JAN-2010	13:28:59.552	13:31:19.148	139.59600
KS	77076	16-JAN-2010	15:07:26.938	15:10:00.256	153.31800
KS	77077	16-JAN-2010	16:45:03.689	16:47:29.361	145.67200
KS	77078	16-JAN-2010	18:23:01.202	18:25:25.470	144.26800
KS	77079	16-JAN-2010	20:02:11.161	20:04:08.074	116.91300
KS	77080	16-JAN-2010	21:43:12.839	21:45:07.197	114.35800
KS	77081	16-JAN-2010	23:26:52.885	23:28:25.832	92.947000
GS	77068	16-JAN-2010	01:31:51.917	01:33:46.223	114.30600
GS	77069	16-JAN-2010	03:09:49.597	03:11:42.326	112.72900
MS	77073	16-JAN-2010	10:24:53.841	10:27:22.515	148.67400

MS	77074	16-JAN-2010	12:02:55.691	12:05:14.116	138.42500
MS	77081	16-JAN-2010	23:12:04.367	23:14:10.747	126.38000
MA	77072	16-JAN-2010	08:39:42.578	08:41:06.854	84.276000
MA	77073	16-JAN-2010	10:18:32.229	10:20:17.967	105.73800
MA	77079	16-JAN-2010	19:55:19.907	19:57:45.534	145.62700
MI	77069	16-JAN-2010	03:05:05.523	03:07:15.298	129.77500
MI	77070	16-JAN-2010	04:46:21.033	04:48:26.421	125.38800
MI	77076	16-JAN-2010	15:25:19.555	15:27:33.365	133.81000
MI	77077	16-JAN-2010	17:05:16.312	17:07:32.487	136.17500
BE	77068	16-JAN-2010	01:57:01.877	01:59:32.883	151.00600
BE	77069	16-JAN-2010	03:35:54.539	03:38:27.486	152.94700
SG	77069	16-JAN-2010	03:46:51.040	03:53:11.079	380.03900
SG	77075	16-JAN-2010	14:42:58.399	14:47:13.615	255.21600
SG	77076	16-JAN-2010	16:22:31.133	16:25:05.220	154.08700

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#### 1.4 - List of missing products

Station	Orbit	Date	Start Time	Stop Time	Duration (s)
HO	77067	16-JAN-2010	00:37:54.298	00:52:11.172	856.87400
MM	77067	16-JAN-2010	00:49:41.350	01:00:22.914	641.56400
KS	77067	16-JAN-2010	00:00:21.744	00:05:49.728	327.98400
MM	77068	16-JAN-2010	02:32:14.023	02:40:45.198	511.17500
SG	77068	16-JAN-2010	02:10:11.598	02:18:58.219	526.62100
MM	77069	16-JAN-2010	04:15:19.450	04:21:38.554	379.10400
CM	77069	16-JAN-2010	03:05:26.843	03:15:13.887	587.04400
CM	77069	16-JAN-2010	04:43:40.977	04:55:06.366	685.38900
MM	77070	16-JAN-2010	05:57:43.494	06:03:42.496	359.00200
MM	77071	16-JAN-2010	07:38:49.970	07:46:45.865	475.89500
JO	77071	16-JAN-2010	07:17:10.584	07:30:30.876	800.29200
MM	77072	16-JAN-2010	09:19:17.305	09:29:30.673	613.36800
JO	77072	16-JAN-2010	08:55:50.338	09:10:04.660	854.32200
MM	77073	16-JAN-2010	10:59:27.022	11:11:16.888	709.86600
MM	77074	16-JAN-2010	12:39:23.295	12:51:59.014	755.71900
HO	77075	16-JAN-2010	14:28:08.984	14:40:10.300	721.31600
MM	77075	16-JAN-2010	14:19:05.029	14:31:48.429	763.40000
BE	77076	16-JAN-2010	14:52:56.538	15:05:33.145	756.60700

MM	77076	16-JAN-2010	15:58:30.521	16:11:05.628	755.10700
GS	77076	16-JAN-2010	15:19:15.589	15:32:44.461	808.87200
CM	77076	16-JAN-2010	15:29:03.735	15:38:56.438	592.70300
MM	77077	16-JAN-2010	17:37:41.971	17:50:13.844	751.87300
GS	77077	16-JAN-2010	16:58:49.727	17:11:38.513	768.78600
CM	77077	16-JAN-2010	17:07:34.581	17:18:53.431	678.85000
MM	77078	16-JAN-2010	19:16:51.212	19:29:30.542	759.33000
JO	77078	16-JAN-2010	19:37:14.050	19:49:39.949	745.89900
MM	77079	16-JAN-2010	20:56:19.624	21:09:03.092	763.46800
JO	77079	16-JAN-2010	21:15:35.060	21:30:11.366	876.30600
HO	77080	16-JAN-2010	22:28:52.387	22:41:06.922	734.53500
MM	77080	16-JAN-2010	22:36:30.259	22:48:51.493	741.23400
MA	77080	16-JAN-2010	21:34:46.501	21:47:38.589	772.08800

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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

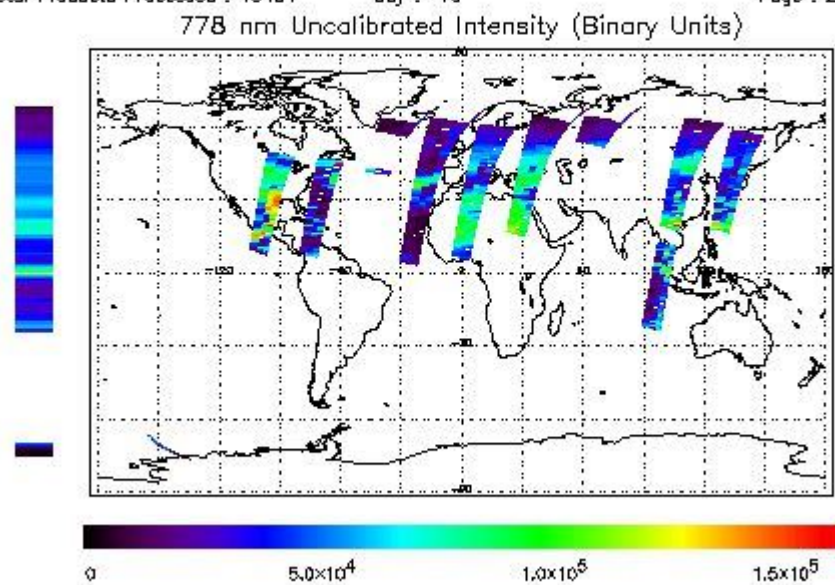
Calibration Lamp and Instr. Status 3	OK
Scan Mirror and Motor Current	OK
Selected Temperature A	OK
Selected Temperature B	OK
Selected Temperature C	OK
Channel 1 Summation	OK
Channel 2 Summation	OK
Channel 4 Summation	OK
Log Pages	OK
331/338 nm Uncal. Line Ratio	OK
Uncal. PMDs as RGB signal	OK
780 nm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

First Product : 15-JAN-2010 23:45:45.555 : ORBIT : 77067.0153  
 Last Product : 16-JAN-2010 23:38:16.899 : ORBIT : 77081.2553  
 Total Products Processed : 15431 Day : 16 Page : 21



### Ozone Line Ratio

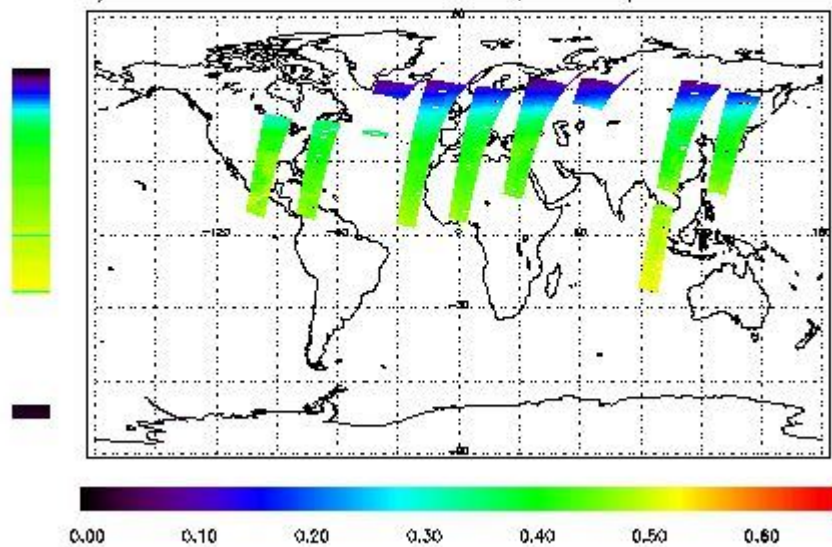
First Product : 15-JAN-2010 23:45:45.555 : ORBIT : 77067.0153

Last Product : 16-JAN-2010 23:38:16.899 : ORBIT : 77081.2553

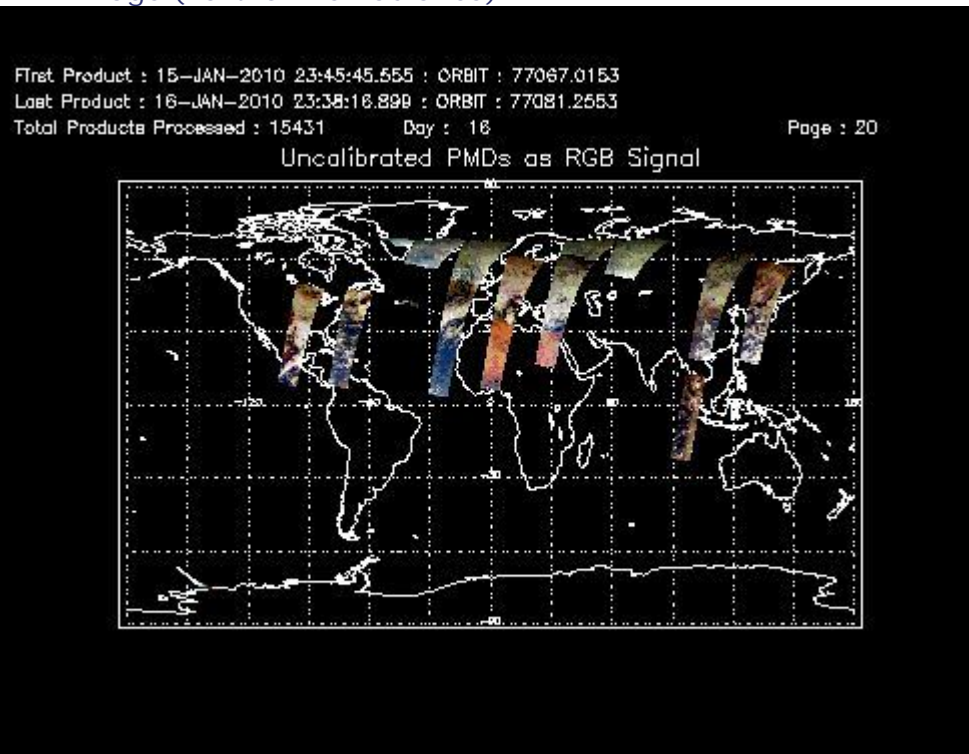
Total Products Processed : 15431 Day : 16

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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	10:17:37.451	--	77073	Yes	--	15487

#### 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
--	--	--

### 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