

# GOME Daily Report

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## 1 - General Info

### 1.1 - Report Summary

Item	Value
Report Version	GOMEver3_3
Report of Day	12-MAR-2010
Start Time of First Product	00:21:30
Stop Time of Last Product	22:22:29
Number of EGOI Products analysed	36
Number of corrupted products	--
Anomalies and/or Special Operations	Nominal Data

### 1.2 - List of received products

Name	Date	Time
EGOI_100312BEEP2120.E2	12-MAR-2010	03:09:23.043
EGOI_100312BEEP2126.E2	12-MAR-2010	04:50:17.662
EGOI_100312CMEP6993.E2	12-MAR-2010	02:39:46.863
EGOI_100312CMEP7003.E2	12-MAR-2010	04:18:05.470
EGOI_100312CMEP7011.E2	12-MAR-2010	16:40:26.526
EGOI_100312GSEP1532.E2	12-MAR-2010	01:07:13.299
EGOI_100312GSEP1563.E2	12-MAR-2010	02:42:46.879
EGOI_100312GSEP1592.E2	12-MAR-2010	04:24:14.505
EGOI_100312KSEP1653.E2	12-MAR-2010	06:24:27.238

EGOI_100312KSEP1673.E2	12-MAR-2010	08:04:18.859
EGOI_100312KSEP1696.E2	12-MAR-2010	09:43:58.470
EGOI_100312KSEP1748.E2	12-MAR-2010	13:02:43.189
EGOI_100312KSEP1762.E2	12-MAR-2010	14:41:31.793
EGOI_100312KSEP1777.E2	12-MAR-2010	16:19:11.396
EGOI_100312KSEP1808.E2	12-MAR-2010	17:57:17.996
EGOI_100312KSEP1844.E2	12-MAR-2010	19:35:15.596
EGOI_100312KSEP1879.E2	12-MAR-2010	21:15:35.711
EGOI_100312MAEP9757.E2	12-MAR-2010	08:12:42.906
EGOI_100312MAEP9773.E2	12-MAR-2010	09:51:24.013
EGOI_100312MIEP5834.E2	12-MAR-2010	02:39:18.359
EGOI_100312MIEP5863.E2	12-MAR-2010	04:18:24.970
EGOI_100312MIEP5889.E2	12-MAR-2010	14:59:33.407
EGOI_100312MIEP5919.E2	12-MAR-2010	16:38:10.014
EGOI_100312MMEP5415.E2	12-MAR-2010	00:21:29.517
EGOI_100312MMEP5427.E2	12-MAR-2010	10:31:45.260
EGOI_100312MMEP5437.E2	12-MAR-2010	12:12:08.376
EGOI_100312MMEP5444.E2	12-MAR-2010	17:11:04.214
EGOI_100312MMEP5449.E2	12-MAR-2010	20:29:18.933
EGOI_100312MMEP5455.E2	12-MAR-2010	22:09:30.040
EGOI_100312MSEP8002.E2	12-MAR-2010	01:00:28.252
EGOI_100312MSEP8018.E2	12-MAR-2010	09:59:51.064
EGOI_100312MSEP8042.E2	12-MAR-2010	11:36:38.157
EGOI_100312MSEP8065.E2	12-MAR-2010	13:17:34.280
EGOI_100312SGEP4218.E2	12-MAR-2010	03:20:17.110
EGOI_100312SGEP4225.E2	12-MAR-2010	05:02:08.732
EGOI_100312SGEP4232.E2	12-MAR-2010	14:17:30.144

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### 1.3 - List of data gaps

Station	Orbit	Date	Start Time	Stop Time	Duration (s)
KS	77858	12-MAR-2010	06:23:15.386	06:24:27.238	71.852000
KS	77859	12-MAR-2010	08:02:23.344	08:04:18.858	115.51400
KS	77860	12-MAR-2010	09:42:00.122	09:43:58.469	118.34700
KS	77862	12-MAR-2010	13:00:45.564	13:02:43.189	117.62500
KS	77863	12-MAR-2010	14:39:28.864	14:41:31.792	122.92800
KS	77864	12-MAR-2010	16:17:09.059	16:19:11.396	122.33700
KS	77865	12-MAR-2010	17:55:00.886	17:57:17.996	137.11000
KS	77866	12-MAR-2010	19:33:41.382	19:35:15.595	94.213000
KS	77867	12-MAR-2010	21:14:07.335	21:15:35.711	88.376000
GS	77855	12-MAR-2010	01:04:44.471	01:07:13.298	148.82700
GS	77856	12-MAR-2010	02:41:23.555	02:42:46.879	83.324000

GS	77857	12-MAR-2010	04:22:44.876	04:24:14.504	89.628000
MS	77861	12-MAR-2010	11:34:30.473	11:36:38.156	127.68300
MS	77862	12-MAR-2010	13:15:33.701	13:17:34.280	120.57900
MA	77860	12-MAR-2010	09:50:02.640	09:51:24.012	81.372000
MI	77856	12-MAR-2010	02:37:27.825	02:39:18.359	110.53400
MI	77857	12-MAR-2010	04:16:33.629	04:18:24.969	111.34000
MI	77863	12-MAR-2010	14:57:42.111	14:59:33.406	111.29500
MI	77864	12-MAR-2010	16:36:14.693	16:38:10.014	115.32100
MM	77861	12-MAR-2010	12:10:51.472	12:12:08.376	76.904000
MM	77864	12-MAR-2010	17:09:22.503	17:11:04.213	101.71000
MM	77866	12-MAR-2010	20:27:50.994	20:29:18.933	87.939000
MM	77867	12-MAR-2010	22:07:47.477	22:09:30.039	102.56200
MM	77868	12-MAR-2010	23:48:39.232	23:53:32.180	292.94800
MM	77868	12-MAR-2010	23:54:23.186	00:00:17.456	354.27000
BE	77856	12-MAR-2010	03:07:23.468	03:09:23.043	119.57500
BE	77857	12-MAR-2010	04:48:11.050	04:50:17.662	126.61200
SG	77856	12-MAR-2010	03:18:25.975	03:20:17.109	111.13400
SG	77857	12-MAR-2010	05:01:03.729	05:02:08.732	65.003000
SG	77862	12-MAR-2010	14:16:00.870	14:17:30.143	89.273000
CM	77864	12-MAR-2010	16:38:48.404	16:40:26.526	98.122000
CM	77864	12-MAR-2010	16:45:32.557	16:51:07.689	335.13200

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#### 1.4 - List of missing products

Station	Orbit	Date	Start Time	Stop Time	Duration (s)
HO	77854	12-MAR-2010	00:09:13.584	00:23:50.791	877.20700
HO	77855	12-MAR-2010	01:52:05.856	02:01:33.978	568.12200
MM	77855	12-MAR-2010	02:02:50.678	02:12:02.450	551.77200
MM	77856	12-MAR-2010	03:45:52.486	03:52:43.878	411.39200
MM	77857	12-MAR-2010	05:28:36.725	05:34:23.868	347.14300
MM	77858	12-MAR-2010	07:10:02.383	07:17:18.002	435.61900
JO	77858	12-MAR-2010	06:50:14.624	07:01:17.081	662.45700
MM	77859	12-MAR-2010	08:50:37.465	09:00:14.389	576.92400
JO	77859	12-MAR-2010	08:27:02.650	08:42:00.520	897.87000
KS	77861	12-MAR-2010	11:21:33.406	11:35:15.059	821.65300
MA	77861	12-MAR-2010	11:31:18.527	11:39:02.708	464.18100

MM	77862	12-MAR-2010	13:50:37.567	14:03:21.468	763.90100
SG	77862	12-MAR-2010	14:16:00.870	14:25:59.435	598.56500
BE	77863	12-MAR-2010	14:24:04.913	14:37:23.843	798.93000
MM	77863	12-MAR-2010	15:30:07.764	15:42:45.472	757.70800
GS	77863	12-MAR-2010	14:51:10.064	15:03:36.334	746.27000
CM	77863	12-MAR-2010	15:03:02.022	15:08:00.326	298.30400
GS	77864	12-MAR-2010	16:30:13.414	16:43:49.817	816.40300
MM	77865	12-MAR-2010	18:48:30.537	19:01:07.161	756.62400
GS	77865	12-MAR-2010	18:11:04.960	18:19:22.030	497.07000
JO	77865	12-MAR-2010	19:10:25.447	19:19:16.977	531.53000
MA	77866	12-MAR-2010	19:27:53.330	19:39:19.129	685.79900
JO	77866	12-MAR-2010	20:47:04.315	21:02:05.896	901.58100
HO	77867	12-MAR-2010	22:01:54.495	22:12:13.830	619.33500
MA	77867	12-MAR-2010	21:05:56.359	21:19:16.455	800.09600
JO	77867	12-MAR-2010	22:28:28.286	22:37:51.570	563.28400
HO	77868	12-MAR-2010	23:38:11.694	23:52:34.854	863.16000
MS	77868	12-MAR-2010	22:43:53.333	22:56:55.396	782.06300
KS	77868	12-MAR-2010	22:56:54.810	23:06:45.613	590.80300

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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

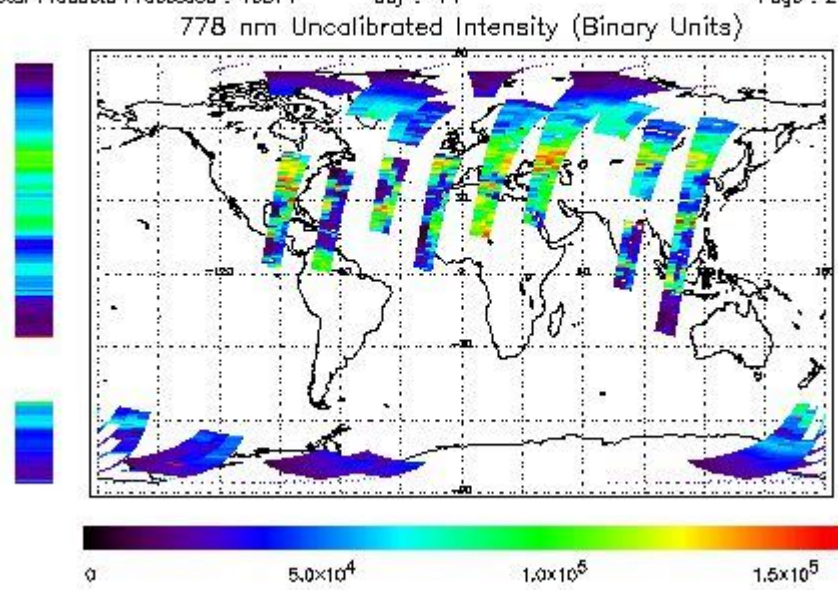
FPA Temperatures A	OK
FPA Temperaturas B	OK
Charge Amp Temperatures	OK
Other Temperatures A	OK
DDHU Temperatures	OK
Optical Bench Temperatures	OK
Other Temperatures B	OK
Calibration Lamp and Instr. Status 3	OK
Scan Mirror and Motor Current	OK
Selected Temperature A	OK
Selected Temperature B	OK
Selected 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 : 12-MAR-2010 00:21:29.517 : ORBIT : 77854.6562  
 Last Product : 12-MAR-2010 22:22:28.626 : ORBIT : 77867.7875  
 Total Products Processed : 16374 Day : 71 Page : 21



### Ozone Line Ratio

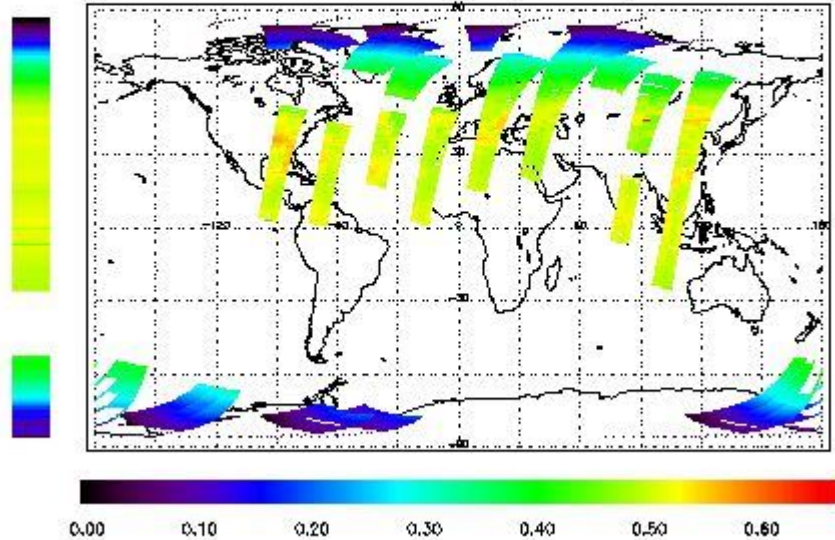
First Product : 12-MAR-2010 00:21:29.517 : ORBIT : 77854.6562

Last Product : 12-MAR-2010 22:22:28.628 : ORBIT : 77867.7875

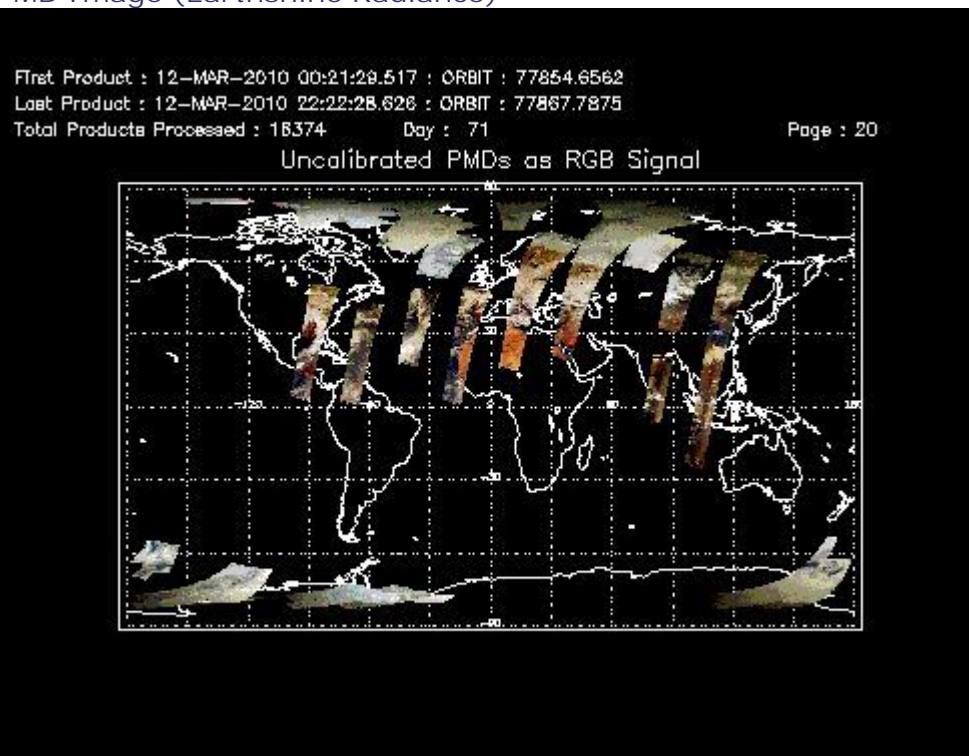
Total Products Processed : 18374 Day : 71

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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	14:44:48.312	--	77863	Yes	--	15298

#### 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
07:00 10-Mar	--	77830	--

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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