

# GOME Daily Report

## INDEX

1. [General Info](#)
  - 1.1 [Report Summary](#)
  - 1.2 [List of received products](#)
  - 1.3 [List of data gaps](#)
  - 1.4 [List of missing products](#)
  - 1.5 [List of corrupted products](#)
2. [Instrument Indicators and Daily Plots](#)
  - 2.1 [Instrument Indicators Status](#)
  - 2.2 [Daily Plots](#)
3. [Instrument Calibration](#)
  - 3.1 [Solar Calibration \(daily/TST44\)](#)
  - 3.2 [Lamp Calibration \(quarterly/TST44\)](#)
4. [Instrument Anomalies](#)
  - 4.1 [Single Event Upset \(SEU\)](#)
  - 4.2 [Instrument Off](#)
  - 4.3 [Cooler Switchings](#)
5. [Instrument Operations](#)
  - 5.1 [Timeline Interruptions](#)
  - 5.2 [TST44](#)
  - 5.3 [Power Cycle](#)
  - 5.4 [Wrong Command Execution](#)
  - 5.5 [Narrow Swath Timeline](#)
  - 5.6 [Seasonal Operations](#)

## 1 - General Info

### 1.1 - Report Summary

Item	Value
Report Version	GOMEver3_3
Report of Day	03-FEB-2010
Start Time of First Product	00:20:56
Stop Time of Last Product	20:53:10
Number of EGOI Products analysed	31
Number of corrupted products	--
Anomalies and/or Special Operations	Nominal Data

### 1.2 - List of received products

Name	Date	Time
EGOI_100203BEEP1811.E2	03-FEB-2010	02:32:54.098
EGOI_100203BEEP1817.E2	03-FEB-2010	04:12:41.217
EGOI_100203CMEP6476.E2	03-FEB-2010	03:39:27.509
EGOI_100203CMEP6484.E2	03-FEB-2010	05:20:22.136
EGOI_100203CMEP6490.E2	03-FEB-2010	16:03:29.099
EGOI_100203CMEP6496.E2	03-FEB-2010	17:44:05.723
EGOI_100203GSEP8849.E2	03-FEB-2010	02:06:29.937
EGOI_100203GSEP8880.E2	03-FEB-2010	03:46:06.552

EGOI_100203GSEP8888.E2	03-FEB-2010	05:28:52.183
EGOI_100203KSEP1208.E2	03-FEB-2010	07:27:13.914
EGOI_100203KSEP1231.E2	03-FEB-2010	09:07:13.030
EGOI_100203KSEP1255.E2	03-FEB-2010	10:46:52.646
EGOI_100203KSEP1282.E2	03-FEB-2010	12:26:12.762
EGOI_100203KSEP1313.E2	03-FEB-2010	14:05:10.370
EGOI_100203KSEP1343.E2	03-FEB-2010	15:43:12.478
EGOI_100203KSEP1375.E2	03-FEB-2010	17:20:59.574
EGOI_100203KSEP1411.E2	03-FEB-2010	18:58:51.178
EGOI_100203KSEP1445.E2	03-FEB-2010	20:38:18.795
EGOI_100203MAEP8467.E2	03-FEB-2010	09:14:26.577
EGOI_100203MAEP8476.E2	03-FEB-2010	10:54:25.693
EGOI_100203MIEP2154.E2	03-FEB-2010	02:04:40.426
EGOI_100203MIEP2183.E2	03-FEB-2010	03:41:02.021
EGOI_100203MIEP2204.E2	03-FEB-2010	14:25:22.492
EGOI_100203MIEP2227.E2	03-FEB-2010	16:01:12.588
EGOI_100203MIEP2250.E2	03-FEB-2010	17:43:07.216
EGOI_100203MSEP3651.E2	03-FEB-2010	00:20:56.286
EGOI_100203MSEP3675.E2	03-FEB-2010	11:00:09.229
EGOI_100203MSEP3702.E2	03-FEB-2010	12:39:38.341
EGOI_100203SGEP3400.E2	03-FEB-2010	02:44:40.672
EGOI_100203SGEP3406.E2	03-FEB-2010	04:23:35.279
EGOI_100203SGEP3414.E2	03-FEB-2010	17:01:30.957

[ [BACK TO MENU](#) ]

### 1.3 - List of data gaps

Station	Orbit	Date	Start Time	Stop Time	Duration (s)
KS	77329	03-FEB-2010	07:25:27.157	07:27:13.913	106.75600
KS	77330	03-FEB-2010	09:04:59.599	09:07:13.030	133.43100
KS	77331	03-FEB-2010	10:44:36.257	10:46:52.646	136.38900
KS	77332	03-FEB-2010	12:23:58.450	12:26:12.761	134.31100
KS	77333	03-FEB-2010	14:02:51.921	14:05:10.370	138.44900
KS	77334	03-FEB-2010	15:40:50.683	15:43:12.478	141.79500
KS	77335	03-FEB-2010	17:18:41.012	17:20:59.573	138.56100
KS	77336	03-FEB-2010	18:56:50.916	18:58:51.177	120.26100
KS	77337	03-FEB-2010	20:36:35.000	20:38:18.795	103.79500
GS	77326	03-FEB-2010	02:04:57.404	02:06:29.936	92.532000
GS	77327	03-FEB-2010	03:44:27.245	03:46:06.551	99.306000
MS	77325	03-FEB-2010	00:18:57.895	00:20:56.286	118.39100
MS	77331	03-FEB-2010	10:57:45.879	11:00:09.228	143.34900
MS	77332	03-FEB-2010	12:37:22.159	12:39:38.340	136.18100

MA	77331	03-FEB-2010	10:52:48.329	10:54:25.692	97.363000
MI	77326	03-FEB-2010	02:02:41.703	02:04:40.426	118.72300
MI	77327	03-FEB-2010	03:38:58.144	03:41:02.021	123.87700
MI	77333	03-FEB-2010	14:23:33.683	14:25:22.491	108.80800
MI	77334	03-FEB-2010	15:59:05.584	16:01:12.588	127.00400
MI	77335	03-FEB-2010	17:41:07.338	17:43:07.215	119.87700
BE	77326	03-FEB-2010	02:30:36.244	02:32:54.097	137.85300
BE	77327	03-FEB-2010	04:10:23.041	04:12:41.217	138.17600
SG	77326	03-FEB-2010	02:42:17.749	02:44:40.671	142.92200
SG	77327	03-FEB-2010	04:21:40.694	04:23:35.279	114.58500
SG	77334	03-FEB-2010	16:58:57.584	17:01:30.957	153.37300
CM	77326	03-FEB-2010	03:38:13.232	03:39:27.508	74.276000
CM	77334	03-FEB-2010	16:02:05.822	16:03:29.099	83.277000
CM	77335	03-FEB-2010	17:42:57.963	17:44:05.723	67.760000

[ [BACK TO MENU](#) ]

#### 1.4 - List of missing products

Station	Orbit	Date	Start Time	Stop Time	Duration (s)
HO	77325	03-FEB-2010	01:12:47.823	01:25:45.764	777.94100
MM	77325	03-FEB-2010	01:24:44.460	01:34:45.562	601.10200
MM	77326	03-FEB-2010	03:07:33.914	03:15:15.617	461.70300
CM	77326	03-FEB-2010	03:38:13.232	03:50:10.138	716.90600
MM	77327	03-FEB-2010	04:50:34.909	04:56:28.249	353.34000
MM	77328	03-FEB-2010	06:32:30.466	06:38:59.873	389.40700
MM	77329	03-FEB-2010	08:13:19.237	08:22:04.631	525.39400
JO	77329	03-FEB-2010	07:50:19.781	08:05:03.670	883.88900
MM	77330	03-FEB-2010	09:53:39.356	10:04:31.591	652.23500
JO	77330	03-FEB-2010	09:31:11.499	09:43:10.587	719.08800
MM	77331	03-FEB-2010	11:33:44.409	11:45:55.366	730.95700
MM	77332	03-FEB-2010	13:13:35.910	13:26:17.561	761.65100
HO	77333	03-FEB-2010	15:03:00.414	15:11:56.322	535.90800
MM	77333	03-FEB-2010	14:53:12.213	15:05:53.333	761.12000
GS	77333	03-FEB-2010	14:15:08.985	14:24:51.346	582.36100
SG	77333	03-FEB-2010	15:16:20.328	15:30:09.959	829.63100
BE	77334	03-FEB-2010	15:28:18.718	15:38:54.296	635.57800
MM	77334	03-FEB-2010	16:32:32.229	16:45:04.937	752.70800

GS	77334	03-FEB-2010	15:53:13.015	16:07:08.895	835.88000
SG	77334	03-FEB-2010	16:58:57.584	17:05:41.351	403.76700
MM	77335	03-FEB-2010	18:11:41.039	18:24:14.620	753.58100
GS	77335	03-FEB-2010	17:33:20.233	17:44:31.055	670.82200
MM	77336	03-FEB-2010	19:50:54.145	20:03:36.379	762.23400
MA	77336	03-FEB-2010	18:55:53.080	19:00:17.538	264.45800
JO	77336	03-FEB-2010	20:10:26.761	20:24:52.331	865.57000
MM	77337	03-FEB-2010	21:30:34.625	21:43:14.582	759.95700
MA	77337	03-FEB-2010	20:28:47.808	20:42:32.302	824.49400
JO	77337	03-FEB-2010	21:50:11.971	22:03:13.770	781.79900
HO	77338	03-FEB-2010	23:01:58.889	23:15:29.545	810.65600
MM	77338	03-FEB-2010	23:11:04.104	23:23:07.920	723.81600
MS	77338	03-FEB-2010	22:08:02.039	22:19:19.323	677.28400
MA	77338	03-FEB-2010	22:11:22.162	22:20:55.031	572.86900
KS	77338	03-FEB-2010	22:18:24.063	22:29:52.698	688.63500
MS	77339	03-FEB-2010	23:46:33.575	23:59:20.391	766.81600

[ [BACK TO MENU](#) ]

## 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

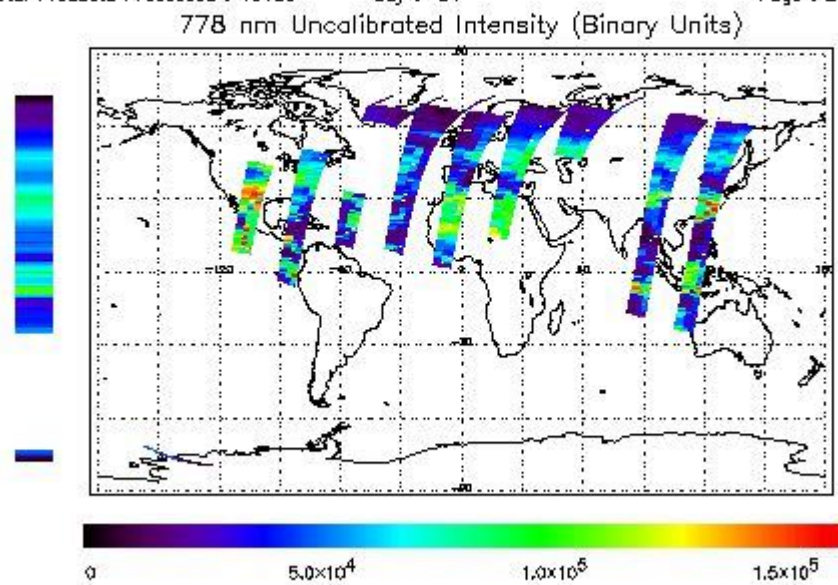
Other Temperatures A	OK
DDHU Temperatures	OK
Optical Bench Temperatures	OK
Other Temperatures B	OK
Calibration Lamp and Instr. Status 3	OK
Scan Mirror and Motor Current	OK
Selected Temperature A	OK
Selected Temperature B	OK
Selected Temperature C	OK
Channel 1 Summation	OK
Channel 2 Summation	OK
Channel 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

Final Product : 03-FEB-2010 00:20:56.286 : ORBIT : 77325.0222  
 Last Product : 03-FEB-2010 20:53:09.888 : ORBIT : 77337.2711  
 Total Products Processed : 15135 Day : 34 Page : 21



### Ozone Line Ratio

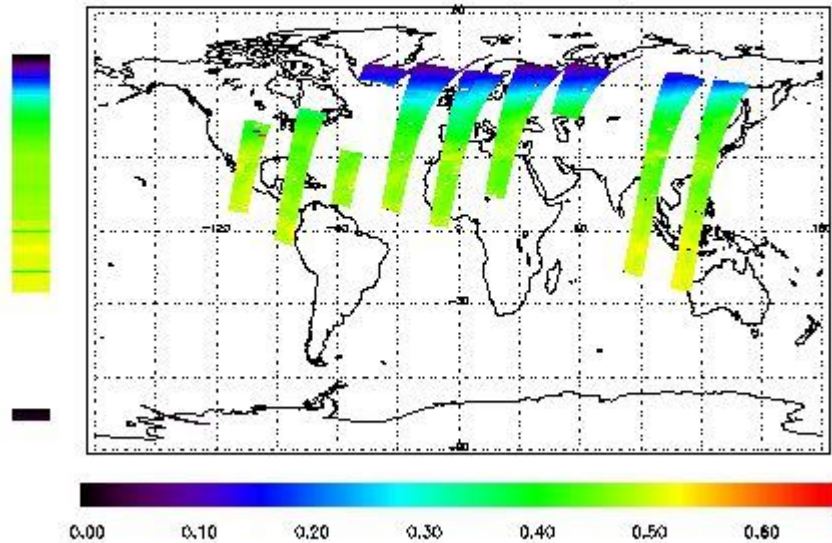
First Product : 03-FEB-2010 00:20:56.286 : ORBIT : 77325.0222

Last Product : 03-FEB-2010 20:53:09.888 : ORBIT : 77337.2711

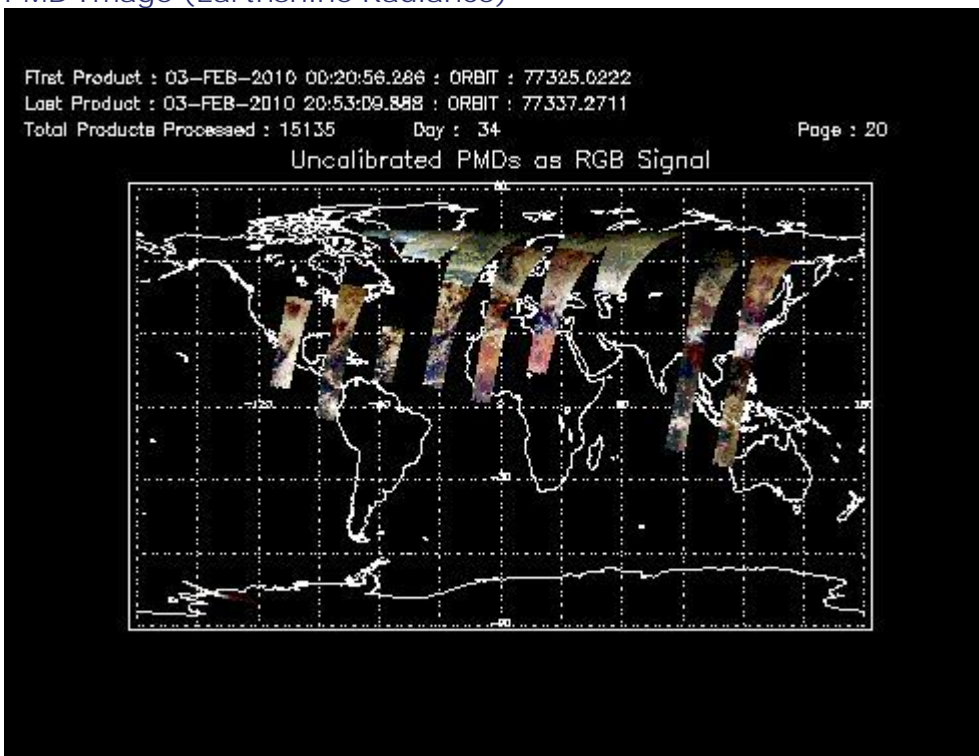
Total Products Processed : 15135 Day : 34

Page : 20

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	10:50:34.669	--	77331	Yes	--	15680

#### 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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[ BACK TO MENU ]

## 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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[ BACK TO MENU ]

## 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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[ [BACK TO MENU](#) ]

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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