

# GOME Daily Report

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## 1 - General Info

### 1.1 - Report Summary

Item	Value
Report Version	GOMEver3_3
Report of Day	17-FEB-2010
Start Time of First Product	23:55:21 (16-Feb)
Stop Time of Last Product	23:32:22
Number of EGOI Products analysed	37
Number of corrupted products	--
Anomalies and/or Special Operations	Nominal Data

### 1.2 - List of received products

Name	Date	Time
EGOI_100217BEEP1959.E2	17-FEB-2010	03:32:31.335
EGOI_100217CMPEP6724.E2	17-FEB-2010	17:02:57.305
EGOI_100217GSEP9864.E2	17-FEB-2010	01:27:59.068
EGOI_100217GSEP9896.E2	17-FEB-2010	03:05:40.167
EGOI_100217GSEP9923.E2	17-FEB-2010	04:48:18.297
EGOI_100217GSEP9929.E2	17-FEB-2010	06:30:08.420
EGOI_100217KSEP5042.E2	16-FEB-2010	23:55:20.999
EGOI_100217KSEP5057.E2	17-FEB-2010	06:47:17.530
EGOI_100217KSEP5079.E2	17-FEB-2010	08:27:15.144

EGOI_100217KSEP5100.E2	17-FEB-2010	10:06:54.756
EGOI_100217KSEP5125.E2	17-FEB-2010	11:46:29.868
EGOI_100217KSEP5146.E2	17-FEB-2010	13:25:27.471
EGOI_100217KSEP5158.E2	17-FEB-2010	15:04:11.583
EGOI_100217KSEP5188.E2	17-FEB-2010	16:41:42.176
EGOI_100217KSEP5221.E2	17-FEB-2010	18:19:44.280
EGOI_100217KSEP5252.E2	17-FEB-2010	19:58:16.387
EGOI_100217KSEP5277.E2	17-FEB-2010	21:39:06.507
EGOI_100217KSEP5300.E2	17-FEB-2010	23:22:11.639
EGOI_100217MAEP9027.E2	17-FEB-2010	08:35:09.191
EGOI_100217MAEP9042.E2	17-FEB-2010	10:14:18.799
EGOI_100217MAEP9062.E2	17-FEB-2010	21:31:04.960
EGOI_100217MIEP3580.E2	17-FEB-2010	03:01:31.139
EGOI_100217MIEP3604.E2	17-FEB-2010	04:42:15.258
EGOI_100217MIEP3627.E2	17-FEB-2010	15:21:43.189
EGOI_100217MMEP3941.E2	17-FEB-2010	00:45:00.305
EGOI_100217MMEP3946.E2	17-FEB-2010	02:26:54.932
EGOI_100217MMEP3957.E2	17-FEB-2010	10:54:53.547
EGOI_100217MMEP3966.E2	17-FEB-2010	12:34:54.161
EGOI_100217MMEP3977.E2	17-FEB-2010	19:13:10.109
EGOI_100217MMEP3985.E2	17-FEB-2010	20:52:12.217
EGOI_100217MMEP3993.E2	17-FEB-2010	22:32:14.328
EGOI_100217MSEP5289.E2	17-FEB-2010	10:21:39.842
EGOI_100217MSEP5318.E2	17-FEB-2010	11:59:22.442
EGOI_100217MSEP5331.E2	17-FEB-2010	13:41:57.574
EGOI_100217MSEP5348.E2	17-FEB-2010	21:32:06.464
EGOI_100217MSEP5378.E2	17-FEB-2010	23:08:19.053
EGOI_100217SGEP3767.E2	17-FEB-2010	14:41:00.938
EGOI_100217SGEP3773.E2	17-FEB-2010	16:18:49.543

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### 1.3 - List of data gaps

Station	Orbit	Date	Start Time	Stop Time	Duration (s)
KS	77525	16-FEB-2010	23:54:12.979	23:55:20.998	68.019000
KS	77529	17-FEB-2010	06:45:47.763	06:47:17.529	89.766000
KS	77530	17-FEB-2010	08:25:08.749	08:27:15.143	126.39400
KS	77531	17-FEB-2010	10:04:46.383	10:06:54.755	128.37200
KS	77532	17-FEB-2010	11:44:16.442	11:46:29.867	133.42500
KS	77533	17-FEB-2010	13:23:21.043	13:25:27.470	126.42700
KS	77534	17-FEB-2010	15:01:53.274	15:04:11.583	138.30900
KS	77535	17-FEB-2010	16:39:29.826	16:41:42.175	132.34900
KS	77536	17-FEB-2010	18:17:23.792	18:19:44.279	140.48700

KS	77537	17-FEB-2010	19:56:28.503	19:58:16.387	107.88400
KS	77538	17-FEB-2010	21:37:22.779	21:39:06.506	103.72700
KS	77539	17-FEB-2010	23:20:51.561	23:22:11.639	80.078000
GS	77526	17-FEB-2010	01:26:24.286	01:27:59.067	94.781000
GS	77527	17-FEB-2010	03:04:06.643	03:05:40.167	93.524000
GS	77528	17-FEB-2010	04:46:55.599	04:48:18.296	82.697000
MS	77531	17-FEB-2010	10:19:26.528	10:21:39.842	133.31400
MS	77532	17-FEB-2010	11:57:09.628	11:59:22.441	132.81300
MS	77539	17-FEB-2010	23:06:23.805	23:08:19.052	115.24700
MA	77530	17-FEB-2010	08:33:56.121	08:35:09.190	73.069000
MA	77531	17-FEB-2010	10:12:51.138	10:14:18.799	87.661000
MA	77538	17-FEB-2010	21:28:58.311	21:31:04.960	126.64900
MI	77527	17-FEB-2010	02:59:31.186	03:01:31.139	119.95300
MI	77528	17-FEB-2010	04:40:18.294	04:42:15.257	116.96300
MI	77534	17-FEB-2010	15:19:45.350	15:21:43.188	117.83800
MM	77525	17-FEB-2010	00:43:51.557	00:45:00.304	68.747000
MM	77531	17-FEB-2010	10:53:43.973	10:54:53.547	69.574000
MM	77532	17-FEB-2010	12:33:41.024	12:34:54.160	73.136000
MM	77536	17-FEB-2010	19:11:10.970	19:13:10.109	119.13900
MM	77537	17-FEB-2010	20:50:37.634	20:52:12.216	94.582000
MM	77538	17-FEB-2010	22:30:45.321	22:32:14.327	89.006000
BE	77527	17-FEB-2010	03:30:11.454	03:32:31.334	139.88000
SG	77533	17-FEB-2010	14:37:30.285	14:41:00.938	210.65300
SG	77534	17-FEB-2010	16:16:37.876	16:18:49.542	131.66600
CM	77535	17-FEB-2010	17:01:46.928	17:02:57.304	70.376000

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#### 1.4 - List of missing products

Station	Orbit	Date	Start Time	Stop Time	Duration (s)
HO	77525	17-FEB-2010	00:32:01.441	00:46:32.322	870.88100
BE	77526	17-FEB-2010	01:51:29.316	02:02:42.856	673.54000
SG	77526	17-FEB-2010	02:05:04.774	02:12:46.616	461.84200
MM	77527	17-FEB-2010	04:09:26.265	04:15:51.180	384.91500
SG	77527	17-FEB-2010	03:41:07.599	03:54:53.507	825.90800
CM	77527	17-FEB-2010	03:00:07.114	03:09:18.138	551.02400
MM	77528	17-FEB-2010	05:51:54.731	05:57:50.268	355.53700

CM	77528	17-FEB-2010	06:18:27.338	06:30:09.919	702.58100
MM	77529	17-FEB-2010	07:33:04.716	07:40:52.397	467.68100
JO	77529	17-FEB-2010	07:11:43.854	07:24:42.470	778.61600
MM	77530	17-FEB-2010	09:13:33.451	09:23:39.804	606.35300
JO	77530	17-FEB-2010	08:50:02.297	09:04:29.542	867.24500
HO	77531	17-FEB-2010	11:05:10.971	11:13:57.526	526.55500
HO	77532	17-FEB-2010	12:42:26.071	12:57:09.793	883.72200
MA	77532	17-FEB-2010	11:55:05.036	11:59:33.745	268.70900
HO	77533	17-FEB-2010	14:22:22.823	14:34:55.516	752.69300
MM	77533	17-FEB-2010	14:13:23.643	14:26:07.267	763.62400
SG	77533	17-FEB-2010	14:37:30.285	14:49:44.275	733.99000
BE	77534	17-FEB-2010	14:47:07.889	14:59:56.524	768.63500
MM	77534	17-FEB-2010	15:52:50.071	16:05:25.670	755.59900
GS	77534	17-FEB-2010	15:13:37.425	15:26:57.035	799.61000
CM	77534	17-FEB-2010	15:23:40.966	15:32:56.105	555.13900
MM	77535	17-FEB-2010	17:32:02.111	17:44:33.837	751.72600
MI	77535	17-FEB-2010	16:59:25.608	17:10:47.214	681.60600
GS	77535	17-FEB-2010	16:53:05.869	17:06:06.502	780.63300
JO	77536	17-FEB-2010	19:31:47.023	19:43:41.443	714.42000
MA	77537	17-FEB-2010	19:49:48.548	20:02:37.441	768.89300
JO	77537	17-FEB-2010	21:09:51.557	21:24:36.546	884.98900
HO	77538	17-FEB-2010	22:23:26.253	22:35:22.557	716.30400

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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

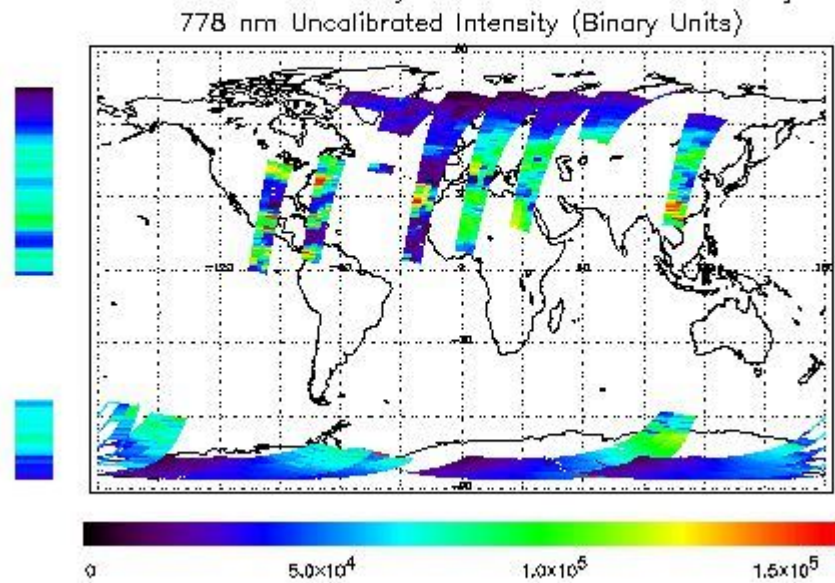
Integration Times Band 2A	OK
Integration Times Band 2B	OK
Integration Times Band 3	OK
Integration Times Band 4	OK
Scan Mirror position	OK
Polarization Detectors	OK
FPA Temperatures A	OK
FPA Temperaturas B	OK
Charge Amp Temperatures	OK
Other Temperatures A	OK
DDHU Temperatures	OK
Optical Bench Temperatures	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 : 16-FEB-2010 23:55:20.099 : ORBIT : 77525.1678  
 Last Product : 17-FEB-2010 23:32:22.197 : ORBIT : 77539.2537  
 Total Products Processed : 17275 Day : 48 Page : 21



### Ozone Line Ratio



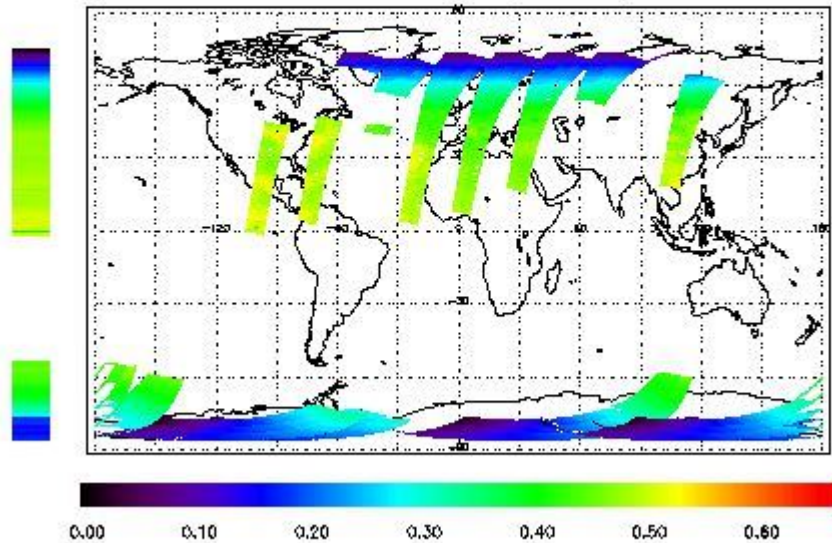
First Product : 16-FEB-2010 23:55:20.099 : ORBIT : 77525.1678

Last Product : 17-FEB-2010 23:32:22.197 : ORBIT : 77539.2537

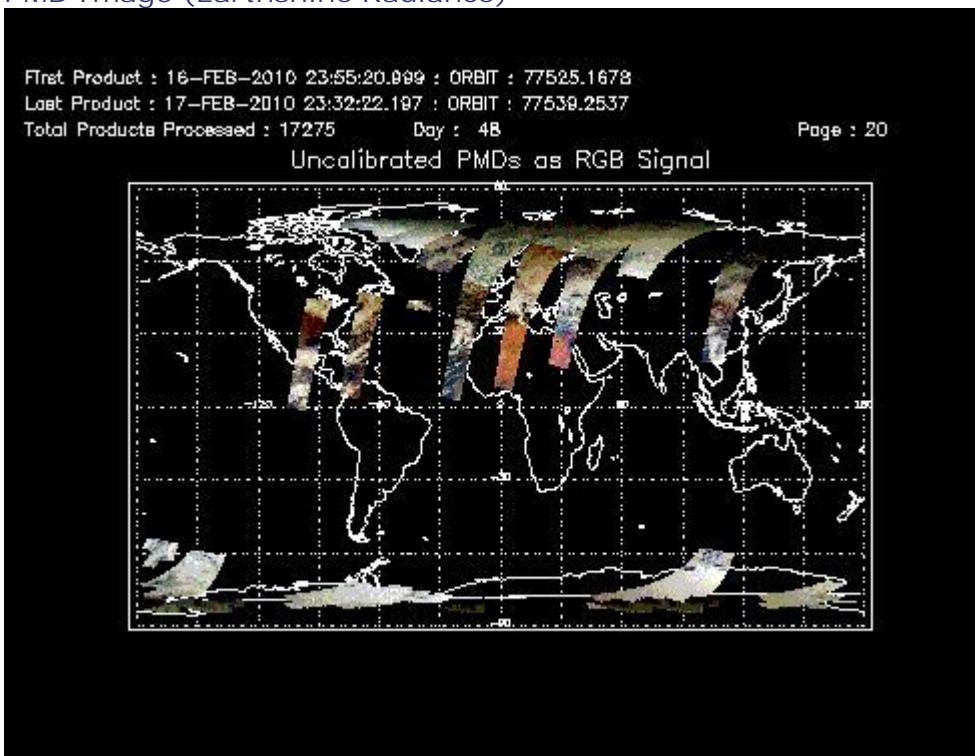
Total Products Processed : 17275 Day : 48

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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	13:29:57.498	--	77533	Yes	--	15184

#### 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