

# GOME Daily Report

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## 1 - General Info

### 1.1 - Report Summary

Item	Value
Report Version	GOMEver3_3
Report of Day	07-FEB-2011
Start Time of First Product	00:24:03
Stop Time of Last Product	22:35:59
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_110207CMEP3867.E2	07-FEB-2011	03:42:26.609
EGOI_110207CMEP3876.E2	07-FEB-2011	05:23:46.732
EGOI_110207CMEP3884.E2	07-FEB-2011	16:06:22.194
EGOI_110207CMEP3896.E2	07-FEB-2011	17:47:09.321
EGOI_110207GSEP5343.E2	07-FEB-2011	02:09:41.037
EGOI_110207GSEP5373.E2	07-FEB-2011	03:49:23.652
EGOI_110207GSEP5382.E2	07-FEB-2011	05:32:01.786
EGOI_110207KSEP0227.E2	07-FEB-2011	07:30:08.510
EGOI_110207KSEP0246.E2	07-FEB-2011	09:10:22.629

EGOI_110207KSEP0271.E2	07-FEB-2011	10:50:00.745
EGOI_110207KSEP0297.E2	07-FEB-2011	12:29:22.357
EGOI_110207KSEP0310.E2	07-FEB-2011	14:08:18.472
EGOI_110207KSEP0336.E2	07-FEB-2011	15:46:13.072
EGOI_110207KSEP0365.E2	07-FEB-2011	17:24:07.680
EGOI_110207KSEP0397.E2	07-FEB-2011	19:01:56.281
EGOI_110207KSEP0429.E2	07-FEB-2011	20:41:37.393
EGOI_110207KSEP0457.E2	07-FEB-2011	22:23:50.027
EGOI_110207MAEP2567.E2	07-FEB-2011	09:17:33.176
EGOI_110207MAEP2579.E2	07-FEB-2011	10:57:35.287
EGOI_110207MIEP2526.E2	07-FEB-2011	02:07:38.025
EGOI_110207MIEP2555.E2	07-FEB-2011	03:44:10.117
EGOI_110207MIEP2577.E2	07-FEB-2011	14:28:09.590
EGOI_110207MIEP2599.E2	07-FEB-2011	16:04:20.682
EGOI_110207MIEP2612.E2	07-FEB-2011	17:46:30.317
EGOI_110207MSEP6276.E2	07-FEB-2011	00:24:02.886
EGOI_110207MSEP6299.E2	07-FEB-2011	11:03:17.324
EGOI_110207MSEP6326.E2	07-FEB-2011	12:42:49.440
EGOI_110207MSEP6356.E2	07-FEB-2011	22:13:25.960
EGOI_110207SGEP1331.E2	07-FEB-2011	02:47:26.272
EGOI_110207SGEP1338.E2	07-FEB-2011	04:27:04.387
EGOI_110207SGEP1346.E2	07-FEB-2011	17:04:45.059

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### 1.3 - List of data gaps

Station	Orbit	Date	Start Time	Stop Time	Duration (s)
KS	82611	07-FEB-2011	07:28:17.469	07:30:08.509	111.04000
KS	82612	07-FEB-2011	09:07:50.408	09:10:22.628	152.22000
KS	82613	07-FEB-2011	10:47:26.890	10:50:00.744	153.85400
KS	82614	07-FEB-2011	12:26:48.406	12:29:22.357	153.95100
KS	82615	07-FEB-2011	14:05:41.592	14:08:18.472	156.88000
KS	82616	07-FEB-2011	15:43:38.235	15:46:13.072	154.83700
KS	82617	07-FEB-2011	17:21:29.750	17:24:07.679	157.92900
KS	82618	07-FEB-2011	18:59:40.500	19:01:56.281	135.78100
KS	82619	07-FEB-2011	20:39:27.625	20:41:37.392	129.76700
KS	82620	07-FEB-2011	22:21:20.891	22:23:50.027	149.13600
GS	82608	07-FEB-2011	02:07:44.305	02:09:41.036	116.73100
GS	82609	07-FEB-2011	03:47:22.061	03:49:23.652	121.59100
MS	82607	07-FEB-2011	00:21:57.775	00:24:02.886	125.11100
MS	82613	07-FEB-2011	11:00:39.895	11:03:17.324	157.42900
MS	82614	07-FEB-2011	12:40:15.483	12:42:49.440	153.95700

MS	82620	07-FEB-2011	22:10:45.362	22:13:25.960	160.59800
MS	82621	07-FEB-2011	23:49:28.188	23:51:46.064	137.87600
MA	82612	07-FEB-2011	09:16:23.992	09:17:33.175	69.183000
MA	82613	07-FEB-2011	10:55:42.430	10:57:35.286	112.85600
MI	82608	07-FEB-2011	02:05:18.000	02:07:38.024	140.02400
MI	82609	07-FEB-2011	03:41:49.567	03:44:10.117	140.55000
MI	82615	07-FEB-2011	14:25:59.569	14:28:09.590	130.02100
MI	82616	07-FEB-2011	16:01:55.834	16:04:20.681	144.84700
MI	82617	07-FEB-2011	17:44:13.921	17:46:30.316	136.39500
SG	82608	07-FEB-2011	02:45:02.242	02:47:26.271	144.02900
SG	82609	07-FEB-2011	04:24:37.541	04:27:04.387	146.84600
CM	82608	07-FEB-2011	03:40:59.993	03:42:26.609	86.616000
CM	82610	07-FEB-2011	05:22:33.151	05:23:46.732	73.581000
CM	82616	07-FEB-2011	16:04:53.529	16:06:22.193	88.664000
CM	82617	07-FEB-2011	17:45:59.469	17:47:09.320	69.851000

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#### 1.4 - List of missing products

Station	Orbit	Date	Start Time	Stop Time	Duration (s)
HO	82607	07-FEB-2011	01:15:43.498	01:28:32.737	769.23900
MM	82607	07-FEB-2011	01:27:40.047	01:37:37.540	597.49300
BE	82608	07-FEB-2011	02:33:25.250	02:46:32.009	786.75900
MM	82608	07-FEB-2011	03:10:30.699	03:18:08.341	457.64200
CM	82608	07-FEB-2011	03:40:59.993	03:53:02.616	722.62300
BE	82609	07-FEB-2011	04:13:16.298	04:24:45.986	689.68800
MM	82609	07-FEB-2011	04:53:30.846	04:59:22.850	352.00400
MM	82610	07-FEB-2011	06:35:23.988	06:41:56.555	392.56700
KS	82610	07-FEB-2011	05:49:59.235	05:52:29.520	150.28500
MM	82611	07-FEB-2011	08:16:11.523	08:25:00.997	529.47400
JO	82611	07-FEB-2011	07:53:07.546	08:07:55.213	887.66700
MM	82612	07-FEB-2011	09:56:31.116	10:07:26.327	655.21100
JO	82612	07-FEB-2011	09:34:11.482	09:45:53.490	702.00800
MM	82613	07-FEB-2011	11:36:35.789	11:48:48.237	732.44800
MM	82614	07-FEB-2011	13:16:26.885	13:29:08.850	761.96500
HO	82615	07-FEB-2011	15:05:55.404	15:14:40.127	524.72300
MM	82615	07-FEB-2011	14:56:02.724	15:08:43.602	760.87800

GS	82615	07-FEB-2011	14:17:53.260	14:27:53.108	599.84800
SG	82615	07-FEB-2011	15:19:09.370	15:33:00.776	831.40600
BE	82616	07-FEB-2011	15:31:18.478	15:41:39.084	620.60600
MM	82616	07-FEB-2011	16:35:22.303	16:47:54.865	752.56200
GS	82616	07-FEB-2011	15:56:03.368	16:09:59.472	836.10400
MM	82617	07-FEB-2011	18:14:30.972	18:27:04.749	753.77700
GS	82617	07-FEB-2011	17:36:13.453	17:47:13.800	660.34700
MM	82618	07-FEB-2011	19:53:44.523	20:06:26.955	762.43200
MA	82618	07-FEB-2011	18:58:20.877	19:03:08.705	287.82800
JO	82618	07-FEB-2011	20:13:14.603	20:27:45.950	871.34700
MM	82619	07-FEB-2011	21:33:26.129	21:46:05.623	759.49400
MA	82619	07-FEB-2011	20:31:36.615	20:45:19.343	822.72800
JO	82619	07-FEB-2011	21:53:06.482	22:05:56.655	770.17300
HO	82620	07-FEB-2011	23:04:43.768	23:18:21.245	817.47700
MM	82620	07-FEB-2011	23:13:57.260	23:25:59.361	722.10100
MA	82620	07-FEB-2011	22:14:23.288	22:23:39.126	555.83800

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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

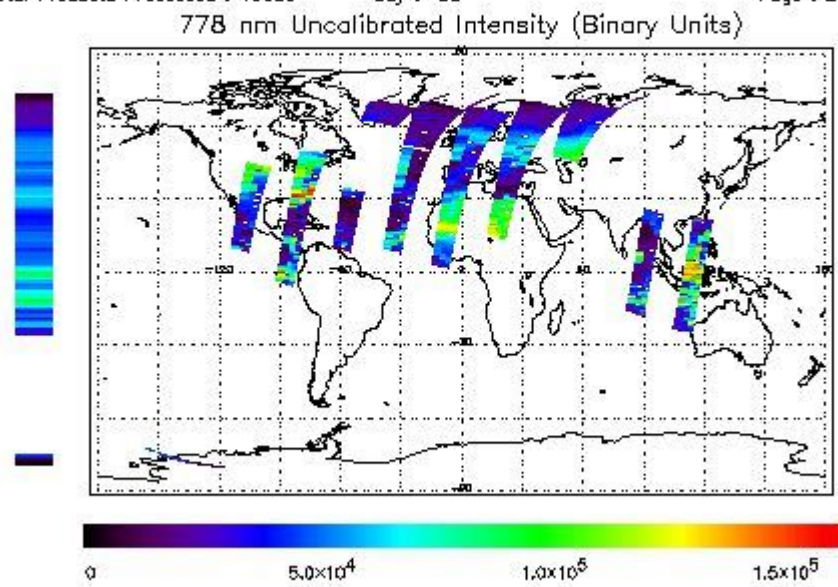
Other Temperatures A	OK
DDHU Temperatures	OK
Optical Bench Temperatures	OK
Other Temperatures B	OK
Calibration Lamp and Instr. Status 3	OK
Scan Mirror and Motor Current	OK
Selected Temperature A	OK
Selected Temperature B	OK
Selected Temperature C	OK
Channel 1 Summation	OK
Channel 2 Summation	OK
Channel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

FRet Product : 07-FEB-2011 00:24:02.886 : ORBIT : 82607.0245  
 Last Product : 07-FEB-2011 22:35:59.097 : ORBIT : 82620.2646  
 Total Products Processed : 15033 Day : 38 Page : 21

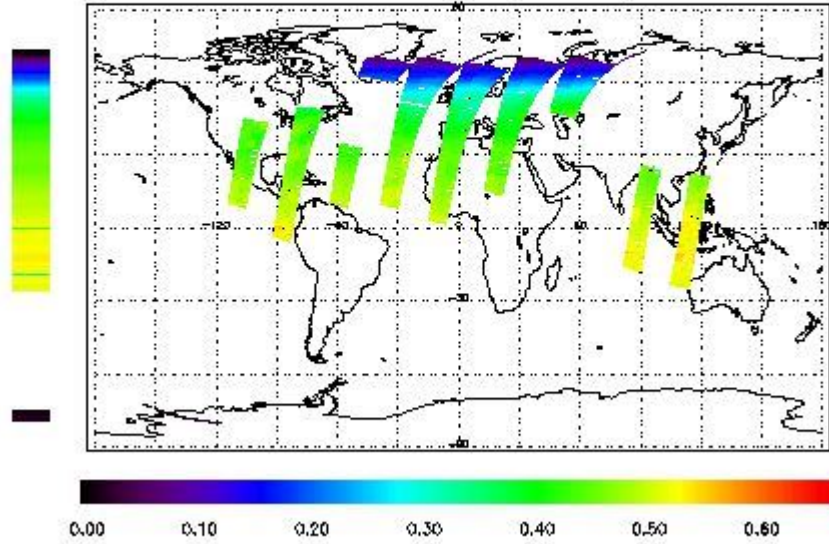


### Ozone Line Ratio

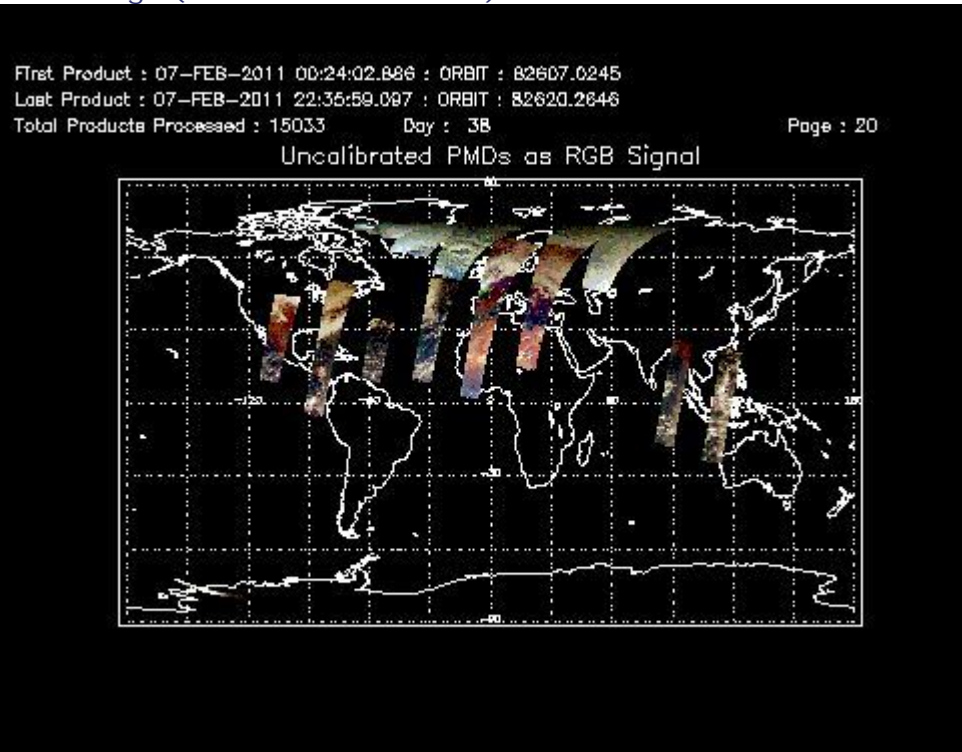
First Product : 07-FEB-2011 00:24:02.886 : ORBIT : 82607.0245  
 Last Product : 07-FEB-2011 22:36:59.097 : ORBIT : 82620.2646  
 Total Products Processed : 15033 Day : 38

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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	10:53:23.268	--	82613	Yes	--	15129

#### 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
--	--	--

### 5.3 - Power Cycle

Start Time	End Time	Start Orbit	End Orbit	Ground Station Visibility
--	--	--	--	--

### 5.4 - Wrong Command Execution

Start Time	End Time	Start Orbit	End Orbit	Ground Station Visibility
--	--	--	--	--

### 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