

# GOME Daily Report

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## 1 - General Info

### 1.1 - Report Summary

Item	Value
Report Version	GOMEver3_3
Report of Day	14-JAN-2010
Start Time of First Product	3:52:46 (13-Jan)
Stop Time of Last Product	23:29:58
Number of EGOI Products analysed	27
Number of corrupted products	--
Anomalies and/or Special Operations	<b>Narrow Swath performs as planned, start orbit: 82272</b>

### 1.2 - List of received products

Name	Date	Time
EGOI_110114GSEP3471.E2	14-JAN-2011	01:25:42.160
EGOI_110114GSEP3503.E2	14-JAN-2011	03:03:11.259
EGOI_110114GSEP3531.E2	14-JAN-2011	04:45:46.393
EGOI_110114GSEP3537.E2	14-JAN-2011	06:27:36.525
EGOI_110114HLEP9080.E2	14-JAN-2011	22:23:53.247
EGOI_110114KSEP5126.E2	13-JAN-2011	23:52:46.080
EGOI_110114KSEP5140.E2	14-JAN-2011	06:44:53.125
EGOI_110114KSEP5168.E2	14-JAN-2011	08:24:50.750
EGOI_110114KSEP5187.E2	14-JAN-2011	10:04:30.365

EGOI_110114KSEP5217.E2	14-JAN-2011	11:44:00.982
EGOI_110114KSEP5234.E2	14-JAN-2011	13:23:04.894
EGOI_110114KSEP5243.E2	14-JAN-2011	15:01:47.511
EGOI_110114KSEP5266.E2	14-JAN-2011	16:39:22.611
EGOI_110114KSEP5295.E2	14-JAN-2011	18:17:23.223
EGOI_110114KSEP5326.E2	14-JAN-2011	19:55:52.327
EGOI_110114KSEP5355.E2	14-JAN-2011	21:36:42.456
EGOI_110114KSEP5373.E2	14-JAN-2011	23:19:37.092
EGOI_110114MAEP1870.E2	14-JAN-2011	10:11:55.909
EGOI_110114MIEP0132.E2	14-JAN-2011	02:59:09.735
EGOI_110114MIEP0158.E2	14-JAN-2011	04:39:41.854
EGOI_110114MIEP0184.E2	14-JAN-2011	15:19:22.117
EGOI_110114MIEP0212.E2	14-JAN-2011	16:58:57.228
EGOI_110114MSEP3522.E2	14-JAN-2011	10:19:25.961
EGOI_110114MSEP3551.E2	14-JAN-2011	11:56:59.560
EGOI_110114MSEP3570.E2	14-JAN-2011	13:39:10.998
EGOI_110114MSEP3593.E2	14-JAN-2011	21:30:07.917
EGOI_110114MSEP3625.E2	14-JAN-2011	23:05:55.006

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### 1.3 - List of data gaps

Station	Orbit	Date	Start Time	Stop Time	Duration (s)
KS	82263	13-JAN-2011	23:51:09.330	23:52:46.079	96.749000
KS	82267	14-JAN-2011	06:42:58.312	06:44:53.124	114.81200
KS	82268	14-JAN-2011	08:22:18.031	08:24:50.749	152.71800
KS	82269	14-JAN-2011	10:01:55.620	10:04:30.365	154.74500
KS	82270	14-JAN-2011	11:41:26.130	11:44:00.982	154.85200
KS	82271	14-JAN-2011	13:20:31.734	13:23:04.893	153.15900
KS	82272	14-JAN-2011	14:59:05.993	15:01:47.510	161.51700
KS	82273	14-JAN-2011	16:36:42.911	16:39:22.610	159.69900
KS	82274	14-JAN-2011	18:14:35.175	18:17:23.222	168.04700
KS	82275	14-JAN-2011	19:53:37.309	19:55:52.326	135.01700
KS	82276	14-JAN-2011	21:34:27.934	21:36:42.456	134.52200
KS	82277	14-JAN-2011	23:17:51.246	23:19:37.091	105.84500
GS	82264	14-JAN-2011	01:23:40.852	01:25:42.159	121.30700
GS	82265	14-JAN-2011	03:01:15.501	03:03:11.258	115.75700
GS	82266	14-JAN-2011	04:43:51.989	04:45:46.392	114.40300
MS	82269	14-JAN-2011	10:16:43.663	10:19:25.961	162.29800
MS	82270	14-JAN-2011	11:54:16.991	11:56:59.560	162.56900
MS	82277	14-JAN-2011	23:03:33.968	23:05:55.005	141.03700

MA	82269	14-JAN-2011	10:09:59.666	10:11:55.909	116.24300
MI	82265	14-JAN-2011	02:56:44.517	02:59:09.734	145.21700
MI	82266	14-JAN-2011	04:37:18.100	04:39:41.853	143.75300
MI	82272	14-JAN-2011	15:16:58.694	15:19:22.116	143.42200
MI	82273	14-JAN-2011	16:56:30.762	16:58:57.227	146.46500

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#### 1.4 - List of missing products

Station	Orbit	Date	Start Time	Stop Time	Duration (s)
HO	82263	14-JAN-2011	00:29:05.335	00:43:42.426	877.09100
MM	82263	14-JAN-2011	00:40:56.741	00:51:47.542	650.80100
BE	82264	14-JAN-2011	01:48:43.493	01:59:44.551	661.05800
MM	82264	14-JAN-2011	02:23:24.651	02:32:08.157	523.50600
SG	82264	14-JAN-2011	02:02:34.381	02:09:37.885	423.50400
BE	82265	14-JAN-2011	03:27:20.078	03:40:30.266	790.18800
MM	82265	14-JAN-2011	04:06:29.628	04:12:57.582	387.95400
SG	82265	14-JAN-2011	03:38:16.341	03:52:04.934	828.59300
CM	82265	14-JAN-2011	02:57:28.452	03:06:19.255	530.80300
CM	82265	14-JAN-2011	04:34:57.284	04:46:47.252	709.96800
MM	82266	14-JAN-2011	05:49:00.243	05:54:54.244	354.00100
MM	82267	14-JAN-2011	07:30:12.044	07:37:55.638	463.59400
JO	82267	14-JAN-2011	07:09:01.084	07:21:47.887	766.80300
MM	82268	14-JAN-2011	09:10:41.504	09:20:44.295	602.79100
MA	82268	14-JAN-2011	08:31:07.014	08:43:08.250	721.23600
JO	82268	14-JAN-2011	08:47:08.769	09:01:41.639	872.87000
MM	82269	14-JAN-2011	10:50:52.433	11:02:36.078	703.64500
MM	82270	14-JAN-2011	12:30:49.873	12:43:23.425	753.55200
MA	82270	14-JAN-2011	11:51:59.581	11:57:05.332	305.75100
HO	82271	14-JAN-2011	14:19:29.911	14:32:10.030	760.11900
MM	82271	14-JAN-2011	14:10:32.931	14:23:16.645	763.71400
SG	82271	14-JAN-2011	14:34:46.960	14:46:48.149	721.18900
BE	82272	14-JAN-2011	14:44:14.024	14:57:07.962	773.93800
MM	82272	14-JAN-2011	15:49:59.829	16:02:35.681	755.85200
GS	82272	14-JAN-2011	15:10:48.524	15:24:02.934	794.41000
SG	82272	14-JAN-2011	16:13:41.974	16:26:05.334	743.36000
CM	82272	14-JAN-2011	15:21:00.823	15:29:54.612	533.78900

MM	82273	14-JAN-2011	17:29:12.177	17:41:43.845	751.66800
GS	82273	14-JAN-2011	16:50:14.057	17:03:20.170	786.11300
CM	82273	14-JAN-2011	16:58:53.590	17:10:37.889	704.29900
MM	82274	14-JAN-2011	19:08:20.872	19:20:59.390	758.51800
JO	82274	14-JAN-2011	19:29:04.273	19:40:41.284	697.01100
MM	82275	14-JAN-2011	20:47:46.692	21:00:30.511	763.81900
MA	82275	14-JAN-2011	19:47:03.239	19:59:41.199	757.96000
JO	82275	14-JAN-2011	21:07:00.064	21:21:48.703	888.63900
HO	82276	14-JAN-2011	22:20:43.731	22:32:30.252	706.52100
MM	82276	14-JAN-2011	22:27:52.925	22:40:17.639	744.71400
MA	82276	14-JAN-2011	21:26:04.640	21:39:12.091	787.45100
HO	82277	14-JAN-2011	23:57:58.439	00:12:29.489	871.05000

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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

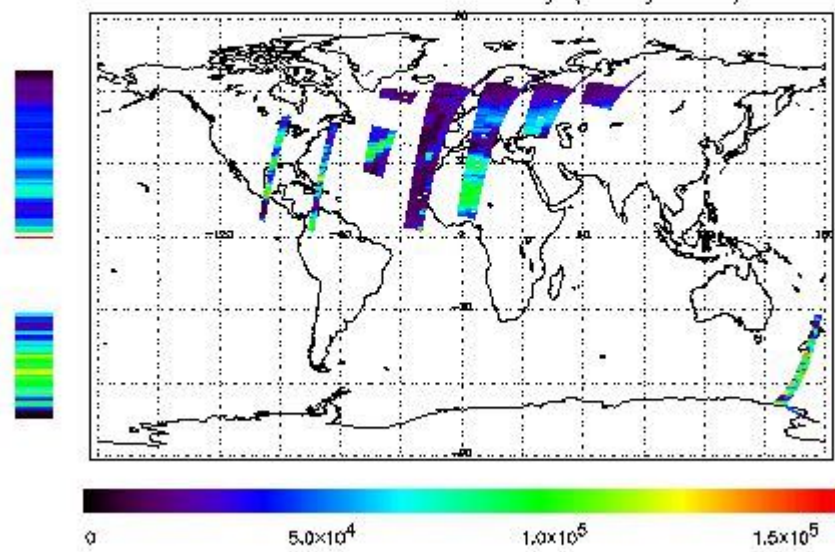
## 2.2 - Daily Plots

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 : 13-JAN-2011 23:52:46.080 : ORBIT : 82263.1707  
 Last Product : 14-JAN-2011 23:29:58.154 : ORBIT : 82277.2584  
 Total Products Processed : 12888 Day : 14 Page : 21

778 nm Uncalibrated Intensity (Binary Units)

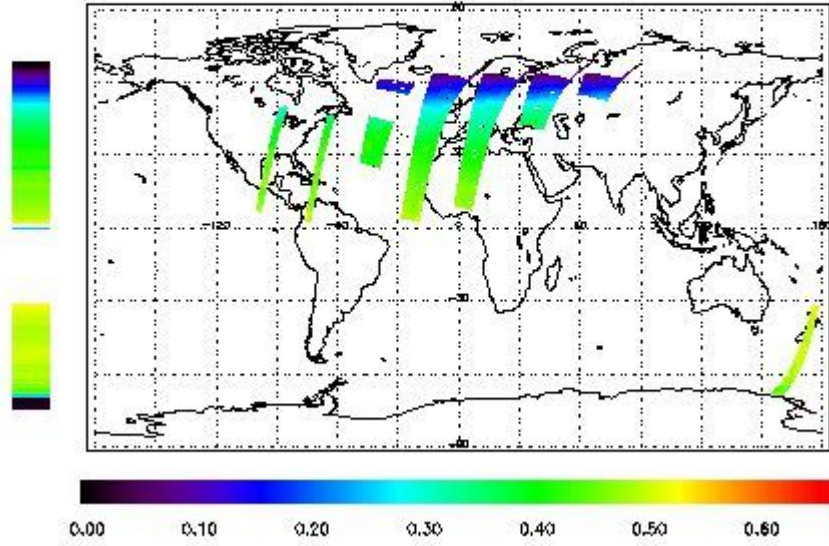


### Ozone Line Ratio

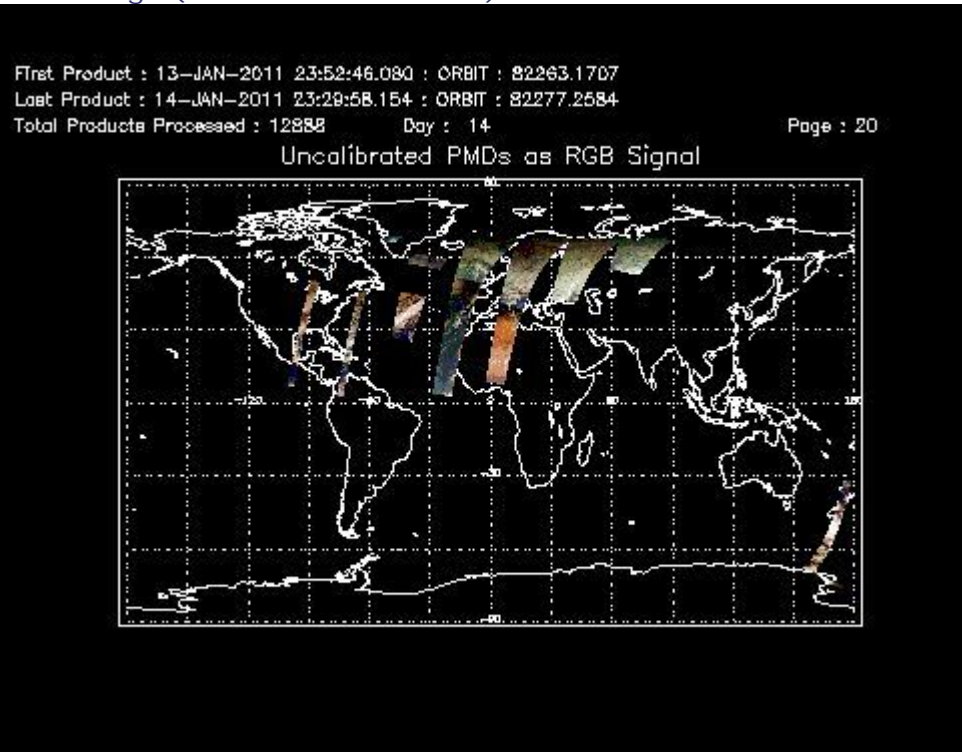
First Product : 13-JAN-2011 23:52:46.080 : ORBIT : 82263.1707  
 Last Product : 14-JAN-2011 23:29:58.154 : ORBIT : 82277.2584  
 Total Products Processed : 12888 Day : 14

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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	13:30:30.441	--	82271	Yes	--	15589

#### 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
--	--	--	--	--

### 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
15:00	--	82272	--

## 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