

# GOME Daily Report

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## 1 - General Info

### 1.1 - Report Summary

Item	Value
Report Version	GOMEver3_3
Report of Day	26-JAN-2011
Start Time of First Product	00:00:34
Stop Time of Last Product	23:52:40
Number of EGOI Products analysed	35
Number of corrupted products	--
Anomalies and/or Special Operations	Nominal Data

### 1.2 - List of received products

Name	Date	Time
EGOI_110126CMEP3504.E2	26-JAN-2011	03:20:36.542
EGOI_110126CMEP3513.E2	26-JAN-2011	05:03:04.177
EGOI_110126CMEP3523.E2	26-JAN-2011	15:44:17.123
EGOI_110126CMEP3532.E2	26-JAN-2011	17:23:38.735
EGOI_110126GSEP4399.E2	26-JAN-2011	01:47:29.971
EGOI_110126GSEP4431.E2	26-JAN-2011	03:26:09.578
EGOI_110126GSEP4440.E2	26-JAN-2011	05:09:07.214
EGOI_110126KSEP8114.E2	26-JAN-2011	07:07:37.943
EGOI_110126KSEP8133.E2	26-JAN-2011	08:47:37.059

EGOI_110126KSEP8158.E2	26-JAN-2011	10:27:16.674
EGOI_110126KSEP8187.E2	26-JAN-2011	12:06:42.782
EGOI_110126KSEP8200.E2	26-JAN-2011	13:45:41.898
EGOI_110126KSEP8213.E2	26-JAN-2011	15:24:14.002
EGOI_110126KSEP8226.E2	26-JAN-2011	17:01:40.102
EGOI_110126KSEP8255.E2	26-JAN-2011	18:39:39.209
EGOI_110126KSEP8281.E2	26-JAN-2011	20:18:35.317
EGOI_110126KSEP8306.E2	26-JAN-2011	21:59:59.945
EGOI_110126KSEP8328.E2	26-JAN-2011	23:45:15.590
EGOI_110126MAEP2190.E2	26-JAN-2011	08:55:05.605
EGOI_110126MAEP2209.E2	26-JAN-2011	20:11:57.773
EGOI_110126MAEP2230.E2	26-JAN-2011	21:51:55.393
EGOI_110126MIEP1307.E2	26-JAN-2011	01:47:17.967
EGOI_110126MIEP1333.E2	26-JAN-2011	03:21:33.546
EGOI_110126MIEP1354.E2	26-JAN-2011	05:04:07.181
EGOI_110126MIEP1382.E2	26-JAN-2011	15:41:45.608
EGOI_110126MIEP1410.E2	26-JAN-2011	17:22:25.227
EGOI_110126MSEP4909.E2	26-JAN-2011	00:00:33.815
EGOI_110126MSEP4931.E2	26-JAN-2011	10:41:21.257
EGOI_110126MSEP4954.E2	26-JAN-2011	12:19:59.366
EGOI_110126MSEP4977.E2	26-JAN-2011	21:51:10.390
EGOI_110126MSEP5008.E2	26-JAN-2011	23:28:49.992
EGOI_110126SGEP1012.E2	26-JAN-2011	02:25:33.202
EGOI_110126SGEP1020.E2	26-JAN-2011	04:04:08.313
EGOI_110126SGEP1026.E2	26-JAN-2011	15:01:06.361
EGOI_110126SGEP1033.E2	26-JAN-2011	16:40:20.468

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### 1.3 - List of data gaps

Station	Orbit	Date	Start Time	Stop Time	Duration (s)
KS	82439	26-JAN-2011	07:05:36.100	07:07:37.943	121.84300
KS	82440	26-JAN-2011	08:45:04.032	08:47:37.059	153.02700
KS	82441	26-JAN-2011	10:24:41.540	10:27:16.673	155.13300
KS	82442	26-JAN-2011	12:04:08.030	12:06:42.782	154.75200
KS	82443	26-JAN-2011	13:43:05.164	13:45:41.898	156.73400
KS	82444	26-JAN-2011	15:21:17.211	15:24:14.002	176.79100
KS	82445	26-JAN-2011	16:58:59.510	17:01:40.102	160.59200
KS	82446	26-JAN-2011	18:37:05.780	18:39:39.208	153.42800
KS	82447	26-JAN-2011	20:16:29.418	20:18:35.316	125.89800
KS	82448	26-JAN-2011	21:57:50.195	21:59:59.945	129.75000
KS	82449	26-JAN-2011	23:42:00.776	23:45:15.590	194.81400
GS	82436	26-JAN-2011	01:45:35.226	01:47:29.971	114.74500

GS	82437	26-JAN-2011	03:24:10.993	03:26:09.577	118.58400
MS	82435	25-JAN-2011	23:58:14.332	00:00:33.814	139.48200
MS	82441	26-JAN-2011	10:38:37.295	10:41:21.256	163.96100
MS	82442	26-JAN-2011	12:17:16.660	12:19:59.366	162.70600
MS	82448	26-JAN-2011	21:49:11.634	21:51:10.389	118.75500
MS	82449	26-JAN-2011	23:26:20.993	23:28:49.991	148.99800
MA	82447	26-JAN-2011	20:09:12.498	20:11:57.773	165.27500
MA	82448	26-JAN-2011	21:49:57.484	21:51:55.392	117.90800
MI	82436	26-JAN-2011	01:45:14.921	01:47:17.967	123.04600
MI	82437	26-JAN-2011	03:19:06.986	03:21:33.545	146.55900
MI	82438	26-JAN-2011	05:01:47.050	05:04:07.180	140.13000
MI	82444	26-JAN-2011	15:39:19.717	15:41:45.607	145.89000
MI	82445	26-JAN-2011	17:20:00.269	17:22:25.227	144.95800
SG	82436	26-JAN-2011	02:23:20.997	02:25:33.202	132.20500
SG	82437	26-JAN-2011	04:01:15.269	04:04:08.312	173.04300
SG	82443	26-JAN-2011	14:56:46.183	15:01:06.361	260.17800
SG	82444	26-JAN-2011	16:37:24.529	16:40:20.468	175.93900
CM	82437	26-JAN-2011	03:18:57.507	03:20:36.542	99.035000
CM	82444	26-JAN-2011	15:42:41.747	15:44:17.122	95.375000
CM	82445	26-JAN-2011	17:22:10.176	17:23:38.735	88.559000

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#### 1.4 - List of missing products

Station	Orbit	Date	Start Time	Stop Time	Duration (s)
HO	82435	26-JAN-2011	00:52:26.336	01:06:12.445	826.10900
MM	82435	26-JAN-2011	01:04:16.753	01:14:42.121	625.36800
KS	82435	26-JAN-2011	00:15:56.865	00:19:32.905	216.04000
BE	82436	26-JAN-2011	02:10:57.739	02:23:19.358	741.61900
MM	82436	26-JAN-2011	02:46:56.909	02:55:07.406	490.49700
BE	82437	26-JAN-2011	03:50:14.235	04:02:46.706	752.47100
MM	82437	26-JAN-2011	04:30:01.744	04:36:08.076	366.33200
MM	82438	26-JAN-2011	06:12:14.187	06:18:23.997	369.81000
MM	82439	26-JAN-2011	07:53:12.608	08:01:29.165	496.55700
JO	82439	26-JAN-2011	07:30:53.769	07:44:57.940	844.17100
MM	82440	26-JAN-2011	09:33:36.711	09:44:06.964	630.25300
JO	82440	26-JAN-2011	09:10:26.655	09:23:57.946	811.29100

HO	82441	26-JAN-2011	11:24:03.950	11:35:02.762	658.81200
MM	82441	26-JAN-2011	11:13:44.459	11:25:43.839	719.38000
MA	82441	26-JAN-2011	10:32:42.188	10:44:39.006	716.81800
HO	82442	26-JAN-2011	13:02:13.509	13:17:02.598	889.08900
MM	82442	26-JAN-2011	12:53:38.763	13:06:17.464	758.70100
HO	82443	26-JAN-2011	14:42:36.690	14:53:07.056	630.36600
MM	82443	26-JAN-2011	14:33:18.263	14:46:00.881	762.61800
GS	82443	26-JAN-2011	13:56:17.565	14:03:15.777	418.21200
SG	82443	26-JAN-2011	14:56:46.183	15:10:05.589	799.40600
BE	82444	26-JAN-2011	15:07:33.918	15:19:31.356	717.43800
MM	82444	26-JAN-2011	16:12:41.434	16:25:15.412	753.97800
GS	82444	26-JAN-2011	15:33:22.885	15:47:08.694	825.80900
MM	82445	26-JAN-2011	17:51:51.583	18:04:24.007	752.42400
GS	82445	26-JAN-2011	17:13:10.801	17:25:24.602	733.80100
MM	82446	26-JAN-2011	19:31:02.106	19:43:42.737	760.63100
JO	82446	26-JAN-2011	19:50:58.882	20:04:27.263	808.38100
MM	82447	26-JAN-2011	21:10:35.218	21:23:17.656	762.43800
JO	82447	26-JAN-2011	21:29:56.937	21:44:03.157	846.22000
HO	82448	26-JAN-2011	22:42:32.186	22:55:26.471	774.28500
MM	82448	26-JAN-2011	22:50:53.474	23:03:08.146	734.67200

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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

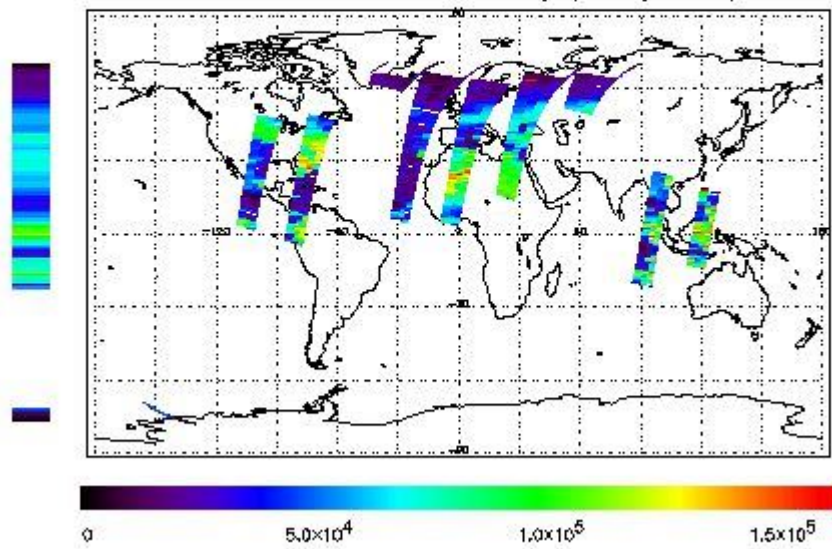
## 2.2 - Daily Plots

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

First Product : 26-JAN-2011 00:00:33.815 : ORBIT : 82435.0106  
 Last Product : 26-JAN-2011 23:52:39.636 : ORBIT : 82449.2554  
 Total Products Processed : 16796 Day : 26 Page : 21

778 nm Uncalibrated Intensity (Binary Units)

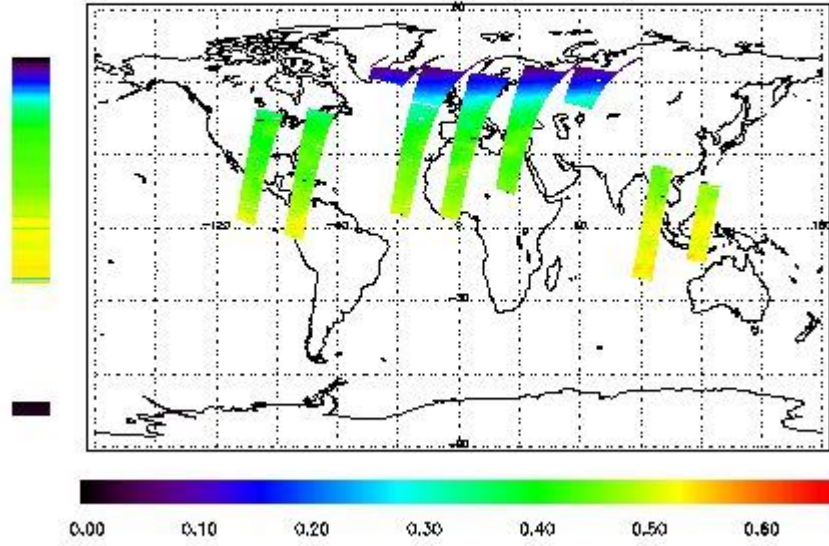


### Ozone Line Ratio

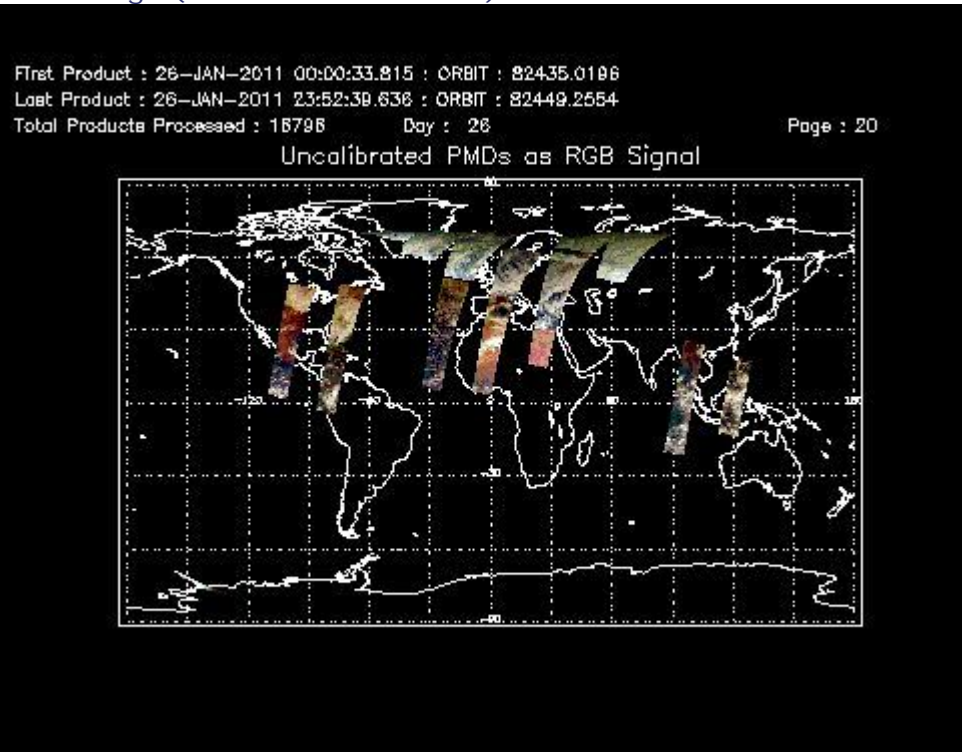
First Product : 26-JAN-2011 00:00:33.815 : ORBIT : 82435.0186  
 Last Product : 26-JAN-2011 23:52:39.636 : ORBIT : 82449.2554  
 Total Products Processed : 16798 Day : 26

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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	10:31:33.197	--	82441	Yes	--	15708

#### 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