

# GOME Daily Report

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## 1 - General Info

### 1.1 - Report Summary

Item	Value
Report Version	GOMEver3_3
Report of Day	26-DEC-2010
Start Time of First Product	08:53:19
Stop Time of Last Product	23:48:01
Number of EGOI Products analysed	34
Number of corrupted products	--
Anomalies and/or Special Operations	Nominal Data

### 1.2 - List of received products

Name	Date	Time
EGOI_101226CMEP2931.E2	26-DEC-2010	15:19:36.523
EGOI_101226CMEP2939.E2	26-DEC-2010	16:57:31.130
EGOI_101226GSEP2048.E2	26-DEC-2010	01:23:01.343
EGOI_101226GSEP2076.E2	26-DEC-2010	03:00:27.442
EGOI_101226GSEP2104.E2	26-DEC-2010	04:42:44.581
EGOI_101226GSEP2110.E2	26-DEC-2010	06:24:43.712
EGOI_101226HLEP8897.E2	26-DEC-2010	14:19:06.150
EGOI_101226HLEP8907.E2	26-DEC-2010	22:20:34.632
EGOI_101226KSEP0465.E2	25-DEC-2010	23:49:44.266

EGOI_101226KSEP0478.E2	26-DEC-2010	06:42:01.813
EGOI_101226KSEP0497.E2	26-DEC-2010	08:21:59.433
EGOI_101226KSEP0518.E2	26-DEC-2010	10:01:40.549
EGOI_101226KSEP0539.E2	26-DEC-2010	11:41:15.672
EGOI_101226KSEP0568.E2	26-DEC-2010	13:20:16.281
EGOI_101226KSEP0582.E2	26-DEC-2010	14:58:57.397
EGOI_101226KSEP0604.E2	26-DEC-2010	16:36:35.500
EGOI_101226KSEP0633.E2	26-DEC-2010	18:14:33.108
EGOI_101226KSEP0664.E2	26-DEC-2010	19:53:00.713
EGOI_101226KSEP0694.E2	26-DEC-2010	21:33:44.837
EGOI_101226KSEP0719.E2	26-DEC-2010	23:16:42.481
EGOI_101226MAEP1219.E2	26-DEC-2010	08:31:15.987
EGOI_101226MAEP1235.E2	26-DEC-2010	10:09:03.100
EGOI_101226MIEP8865.E2	26-DEC-2010	02:56:22.923
EGOI_101226MIEP8892.E2	26-DEC-2010	04:36:41.538
EGOI_101226MIEP8918.E2	26-DEC-2010	15:16:38.007
EGOI_101226MSEP1286.E2	26-DEC-2010	10:16:37.643
EGOI_101226MSEP1316.E2	26-DEC-2010	11:54:09.748
EGOI_101226MSEP1336.E2	26-DEC-2010	13:36:10.384
EGOI_101226MSEP1358.E2	26-DEC-2010	21:27:23.798
EGOI_101226MSEP1391.E2	26-DEC-2010	23:02:39.391
EGOI_101226SGEP0398.E2	26-DEC-2010	02:03:42.090
EGOI_101226SGEP0406.E2	26-DEC-2010	03:49:23.244
EGOI_101226SGEP0410.E2	26-DEC-2010	14:35:16.748
EGOI_101226SGEP0418.E2	26-DEC-2010	16:13:51.856

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### 1.3 - List of data gaps

Station	Orbit	Date	Start Time	Stop Time	Duration (s)
KS	81995	26-DEC-2010	06:40:08.956	06:42:01.813	112.85700
KS	81996	26-DEC-2010	08:19:27.323	08:21:59.432	152.10900
KS	81997	26-DEC-2010	09:59:04.849	10:01:40.548	155.69900
KS	81998	26-DEC-2010	11:38:35.798	11:41:15.672	159.87400
KS	81999	26-DEC-2010	13:17:42.388	13:20:16.281	153.89300
KS	82000	26-DEC-2010	14:56:18.664	14:58:57.396	158.73200
KS	82001	26-DEC-2010	16:33:56.002	16:36:35.500	159.49800
KS	82002	26-DEC-2010	18:11:46.611	18:14:33.107	166.49600
KS	82003	26-DEC-2010	19:50:46.203	19:53:00.713	134.51000
KS	82004	26-DEC-2010	21:31:33.209	21:33:44.836	131.62700
KS	82005	26-DEC-2010	23:14:51.150	23:16:42.480	111.33000
GS	81992	26-DEC-2010	01:20:57.678	01:23:01.342	123.66400

GS	81993	26-DEC-2010	02:58:24.575	03:00:27.441	122.86600
GS	81994	26-DEC-2010	04:40:49.141	04:42:44.580	115.43900
MS	81997	26-DEC-2010	10:14:00.796	10:16:37.642	156.84600
MS	81998	26-DEC-2010	11:51:27.500	11:54:09.747	162.24700
MS	82005	26-DEC-2010	23:00:44.421	23:02:39.391	114.97000
MA	81996	26-DEC-2010	08:28:21.460	08:31:15.986	174.52600
MA	81997	26-DEC-2010	10:07:08.312	10:09:03.100	114.78800
MI	81993	26-DEC-2010	02:53:58.187	02:56:22.922	144.73500
MI	81994	26-DEC-2010	04:34:18.598	04:36:41.538	142.94000
MI	82000	26-DEC-2010	15:14:12.352	15:16:38.007	145.65500
SG	81999	26-DEC-2010	14:32:04.161	14:35:16.748	192.58700
SG	82000	26-DEC-2010	16:10:46.515	16:13:51.855	185.34000
CM	82000	26-DEC-2010	15:18:21.655	15:19:36.523	74.868000
CM	82001	26-DEC-2010	16:56:00.558	16:57:31.130	90.572000

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#### 1.4 - List of missing products

Station	Orbit	Date	Start Time	Stop Time	Duration (s)
HO	81991	26-DEC-2010	00:26:14.534	00:40:52.436	877.90200
MM	81991	26-DEC-2010	00:38:01.977	00:48:55.774	653.79700
BE	81992	26-DEC-2010	01:45:58.004	01:56:45.764	647.76000
MM	81992	26-DEC-2010	02:20:28.259	02:29:15.853	527.59400
BE	81993	26-DEC-2010	03:24:28.807	03:37:42.076	793.26900
MM	81993	26-DEC-2010	04:03:32.959	04:10:04.037	391.07800
CM	81993	26-DEC-2010	02:54:50.712	03:03:19.577	508.86500
CM	81993	26-DEC-2010	04:32:03.571	04:44:00.163	716.59200
MM	81994	26-DEC-2010	05:46:05.678	05:51:58.278	352.60000
MM	81995	26-DEC-2010	07:27:19.339	07:34:58.864	459.52500
JO	81995	26-DEC-2010	07:06:18.732	07:18:53.030	754.29800
MM	81996	26-DEC-2010	09:07:49.543	09:17:48.738	599.19500
JO	81996	26-DEC-2010	08:44:15.559	08:58:53.514	877.95500
MM	81997	26-DEC-2010	10:48:00.882	10:59:42.367	701.48500
MM	81998	26-DEC-2010	12:27:58.708	12:40:31.472	752.76400
MA	81998	26-DEC-2010	11:48:56.297	11:54:34.572	338.27500
HO	81999	26-DEC-2010	14:16:36.883	14:29:24.323	767.44000
MM	81999	26-DEC-2010	14:07:42.204	14:20:25.995	763.79100

SG	81999	26-DEC-2010	14:32:04.161	14:43:51.539	707.37800
BE	82000	26-DEC-2010	14:41:20.452	14:54:19.237	778.78500
MM	82000	26-DEC-2010	15:47:09.572	15:59:45.680	756.10800
GS	82000	26-DEC-2010	15:07:59.746	15:21:08.562	788.81600
MM	82001	26-DEC-2010	17:26:22.238	17:38:53.859	751.62100
MI	82001	26-DEC-2010	16:53:36.223	17:05:21.033	704.81000
GS	82001	26-DEC-2010	16:47:22.318	17:00:33.619	791.30100
MM	82002	26-DEC-2010	19:05:30.787	19:18:09.032	758.24500
JO	82002	26-DEC-2010	19:26:22.094	19:37:40.453	678.35900
MM	82003	26-DEC-2010	20:44:55.782	20:57:39.676	763.89400
MA	82003	26-DEC-2010	19:44:18.179	19:56:44.566	746.38700
JO	82003	26-DEC-2010	21:04:08.739	21:19:00.574	891.83500
HO	82004	26-DEC-2010	22:18:01.541	22:29:37.368	695.82700
MM	82004	26-DEC-2010	22:25:00.577	22:37:26.376	745.79900
MA	82004	26-DEC-2010	21:23:11.243	21:36:21.206	789.96300
JO	82004	26-DEC-2010	22:46:48.378	22:53:00.621	372.24300
HO	82005	26-DEC-2010	23:55:08.670	00:09:38.962	870.29200

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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

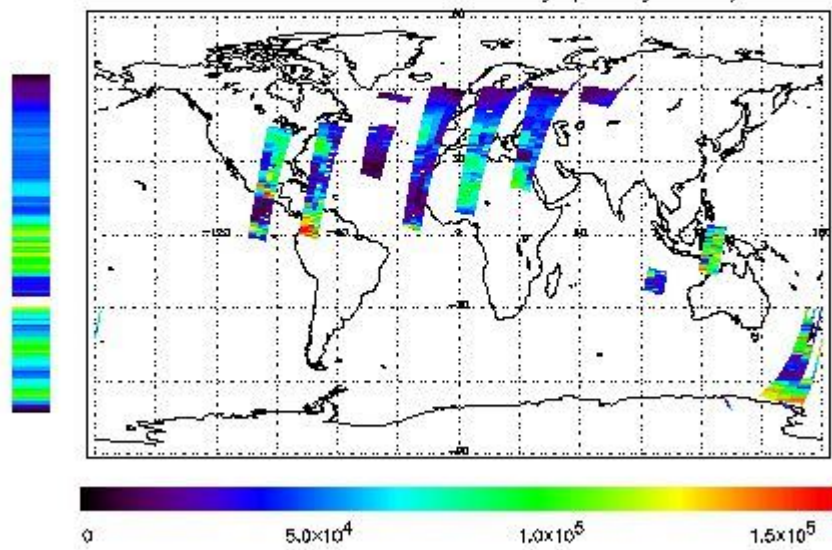
## 2.2 - Daily Plots

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 : 25-DEC-2010 23:49:44.266 : ORBIT : 81991.1692  
 Last Product : 26-DEC-2010 23:27:09.539 : ORBIT : 82005.2590  
 Total Products Processed : 15598 Day : 360 Page : 21

778 nm Uncalibrated Intensity (Binary Units)

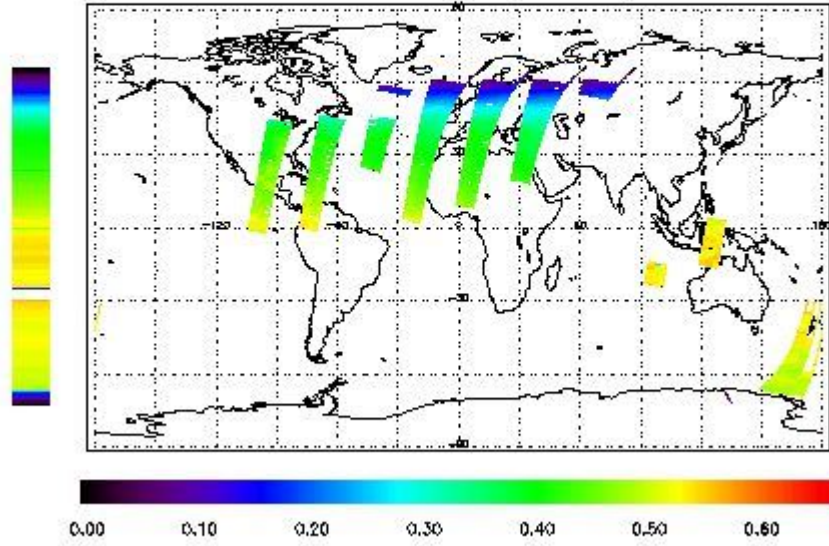


### Ozone Line Ratio

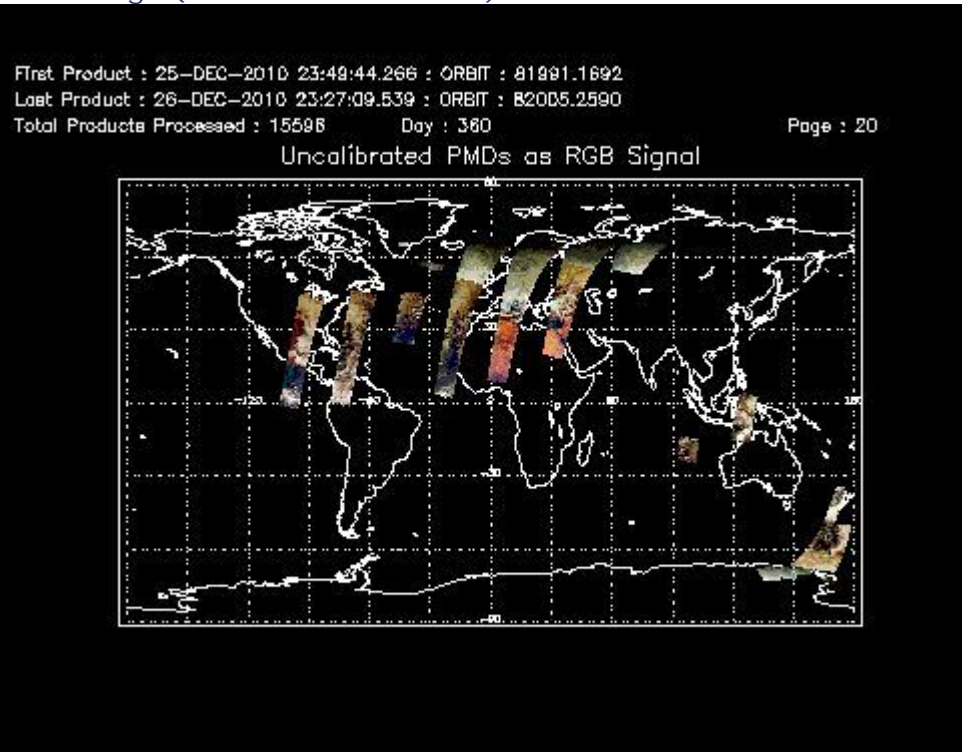
First Product : 25-DEC-2010 23:49:44.266 : ORBIT : 81991.1692  
 Last Product : 26-DEC-2010 23:27:09.539 : ORBIT : 82005.2590  
 Total Products Processed : 15598 Day : 360

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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	13:28:16.331	--	81970	Yes	--	15744

#### 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