

# GOME Daily Report

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## 1 - General Info

### 1.1 - Report Summary

Item	Value
Report Version	GOMEver3_3
Report of Day	04-JAN-2011
Start Time of First Product	23:51:47 (03-Dec)
Stop Time of Last Product	23:44:11
Number of EGOI Products analysed	29
Number of corrupted products	--
Anomalies and/or Special Operations	Narrow Swath performed as planned, start orbit: 82128

### 1.2 - List of received products

Name	Date	Time
EGOI_110104CMEP3140.E2	04-JAN-2011	03:12:16.302
EGOI_110104CMEP3149.E2	04-JAN-2011	04:53:55.929
EGOI_110104CMEP3157.E2	04-JAN-2011	15:35:55.838
EGOI_110104CMEP3166.E2	04-JAN-2011	17:14:56.446
EGOI_110104GSEP2751.E2	04-JAN-2011	01:39:14.223
EGOI_110104GSEP2783.E2	04-JAN-2011	03:17:29.830
EGOI_110104GSEP2793.E2	04-JAN-2011	05:00:27.464
EGOI_110104KSEP2718.E2	04-JAN-2011	06:58:59.700
EGOI_110104KSEP2726.E2	04-JAN-2011	08:39:04.815

EGOI_110104KSEP2733.E2	04-JAN-2011	10:18:47.439
EGOI_110104KSEP2761.E2	04-JAN-2011	11:58:12.496
EGOI_110104KSEP2778.E2	04-JAN-2011	13:37:13.104
EGOI_110104KSEP2797.E2	04-JAN-2011	15:15:48.216
EGOI_110104KSEP2825.E2	04-JAN-2011	16:53:14.316
EGOI_110104KSEP2856.E2	04-JAN-2011	18:31:05.916
EGOI_110104KSEP2888.E2	04-JAN-2011	20:09:57.527
EGOI_110104KSEP2916.E2	04-JAN-2011	21:51:14.647
EGOI_110104KSEP2939.E2	04-JAN-2011	23:35:21.286
EGOI_110104MAEP1538.E2	04-JAN-2011	08:46:37.866
EGOI_110104MAEP1548.E2	04-JAN-2011	10:25:56.473
EGOI_110104MSEP2333.E2	03-JAN-2011	23:51:46.560
EGOI_110104MSEP2353.E2	04-JAN-2011	10:33:04.026
EGOI_110104MSEP2382.E2	04-JAN-2011	12:11:18.576
EGOI_110104MSEP2409.E2	04-JAN-2011	21:43:20.596
EGOI_110104MSEP2441.E2	04-JAN-2011	23:20:07.692
EGOI_110104SGEP0626.E2	04-JAN-2011	02:17:33.962
EGOI_110104SGEP0633.E2	04-JAN-2011	03:54:52.561
EGOI_110104SGEP0640.E2	04-JAN-2011	14:53:07.575
EGOI_110104SGEP0646.E2	04-JAN-2011	16:31:15.679

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### 1.3 - List of data gaps

Station	Orbit	Date	Start Time	Stop Time	Duration (s)
KS	82124	04-JAN-2011	06:57:06.402	06:58:59.699	113.29700
KS	82125	04-JAN-2011	08:36:31.721	08:39:04.815	153.09400
KS	82126	04-JAN-2011	10:16:09.377	10:18:47.438	158.06100
KS	82127	04-JAN-2011	11:55:37.484	11:58:12.495	155.01100
KS	82128	04-JAN-2011	13:34:37.913	13:37:13.104	155.19100
KS	82129	04-JAN-2011	15:12:59.916	15:15:48.216	168.30000
KS	82130	04-JAN-2011	16:50:36.958	16:53:14.316	157.35800
KS	82131	04-JAN-2011	18:28:38.849	18:31:05.916	147.06700
KS	82132	04-JAN-2011	20:07:54.185	20:09:57.526	123.34100
KS	82133	04-JAN-2011	21:49:03.399	21:51:14.647	131.24800
KS	82134	04-JAN-2011	23:32:55.205	23:35:21.286	146.08100
GS	82121	04-JAN-2011	01:37:20.531	01:39:14.223	113.69200
GS	82122	04-JAN-2011	03:15:33.459	03:17:29.829	116.37000
MS	82120	03-JAN-2011	23:49:28.188	23:51:46.559	138.37100
MS	82126	04-JAN-2011	10:30:22.547	10:33:04.025	161.47800
MS	82127	04-JAN-2011	12:08:38.373	12:11:18.575	160.20200

MS	82134	04-JAN-2011	23:17:46.114	23:20:07.691	141.57700
MA	82125	04-JAN-2011	08:45:29.593	08:46:37.865	68.272000
MA	82126	04-JAN-2011	10:24:11.883	10:25:56.473	104.59000
SG	82121	04-JAN-2011	02:15:24.257	02:17:33.961	129.70400
SG	82121	04-JAN-2011	02:21:05.484	02:25:04.208	238.72400
SG	82122	04-JAN-2011	03:52:35.743	03:54:52.560	136.81700
SG	82122	04-JAN-2011	04:01:30.099	04:06:04.532	274.43300
SG	82128	04-JAN-2011	14:48:28.303	14:53:07.574	279.27100
SG	82129	04-JAN-2011	16:28:26.545	16:31:15.679	169.13400
CM	82122	04-JAN-2011	03:10:49.353	03:12:16.302	86.949000
CM	82129	04-JAN-2011	15:34:29.266	15:35:55.837	86.571000
CM	82130	04-JAN-2011	17:13:23.632	17:14:56.446	92.814000

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#### 1.4 - List of missing products

Station	Orbit	Date	Start Time	Stop Time	Duration (s)
HO	82120	04-JAN-2011	00:43:42.227	00:57:48.119	845.89200
MM	82120	04-JAN-2011	00:55:31.356	01:06:06.560	635.20400
KS	82120	04-JAN-2011	00:06:32.957	00:11:21.468	288.51100
BE	82121	04-JAN-2011	02:02:35.521	02:14:31.742	716.22100
MM	82121	04-JAN-2011	02:38:07.095	02:46:30.009	502.91400
BE	82122	04-JAN-2011	03:41:38.073	03:54:27.459	769.38600
MM	82122	04-JAN-2011	04:21:12.492	04:27:26.173	373.68100
MI	82122	04-JAN-2011	03:10:41.161	03:23:54.024	792.86300
MM	82123	04-JAN-2011	06:03:31.977	06:09:34.947	362.97000
MI	82123	04-JAN-2011	04:52:27.530	05:01:14.094	526.56400
MM	82124	04-JAN-2011	07:44:35.108	07:52:39.255	484.14700
JO	82124	04-JAN-2011	07:22:38.812	07:36:18.344	819.53200
MM	82125	04-JAN-2011	09:25:01.106	09:35:21.342	620.23600
JO	82125	04-JAN-2011	09:01:39.755	09:15:38.796	839.04100
MM	82126	04-JAN-2011	11:05:10.030	11:17:03.829	713.79900
MM	82127	04-JAN-2011	12:45:05.519	12:57:42.524	757.00500
HO	82128	04-JAN-2011	14:33:55.633	14:45:36.027	700.39400
MM	82128	04-JAN-2011	14:24:46.364	14:37:29.486	763.12200
SG	82128	04-JAN-2011	14:48:28.303	15:01:24.465	776.16200
BE	82129	04-JAN-2011	14:58:46.464	15:11:09.042	742.57800

MM	82129	04-JAN-2011	16:04:10.923	16:16:45.560	754.63700
MI	82129	04-JAN-2011	15:30:54.865	15:43:52.261	777.39600
GS	82129	04-JAN-2011	15:24:54.200	15:38:30.882	816.68200
MM	82130	04-JAN-2011	17:43:21.823	17:55:53.886	752.06300
MI	82130	04-JAN-2011	17:11:08.525	17:21:33.748	625.22300
GS	82130	04-JAN-2011	17:04:33.906	17:17:09.635	755.72900
MM	82131	04-JAN-2011	19:22:31.519	19:35:11.380	759.86100
JO	82131	04-JAN-2011	19:42:42.853	19:55:36.292	773.43900
MM	82132	04-JAN-2011	21:02:01.753	21:14:44.879	763.12600
MA	82132	04-JAN-2011	20:00:52.236	20:14:14.279	802.04300
JO	82132	04-JAN-2011	21:21:19.264	21:35:45.003	865.73900
HO	82133	04-JAN-2011	22:34:19.080	22:46:50.970	751.89000
MM	82133	04-JAN-2011	22:42:15.397	22:54:34.122	738.72500
MA	82133	04-JAN-2011	21:40:35.867	21:53:13.995	758.12800

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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

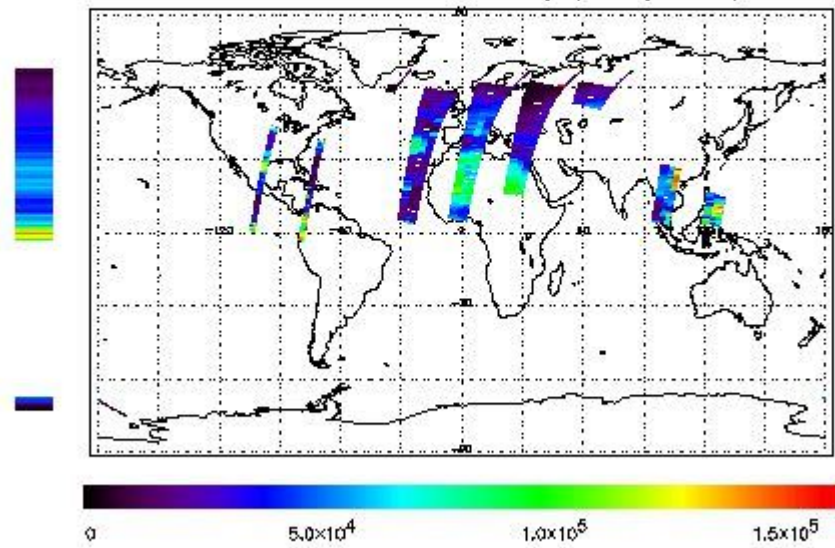
## 2.2 - Daily Plots

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 : 03-JAN-2011 23:51:46.560 : ORBIT : 82120.0180  
 Last Product : 04-JAN-2011 23:44:10.844 : ORBIT : 82134.2568  
 Total Products Processed : 13885 Day : 4 Page : 21

778 nm Uncalibrated Intensity (Binary Units)

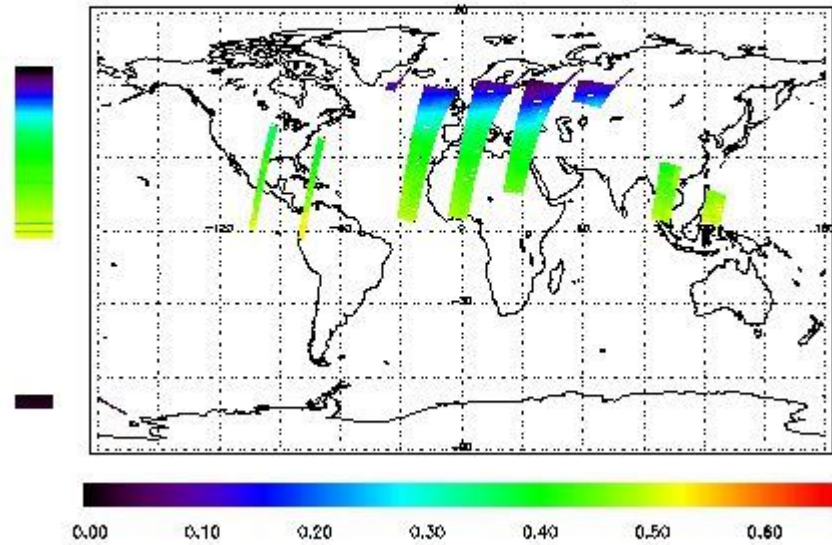


### Ozone Line Ratio

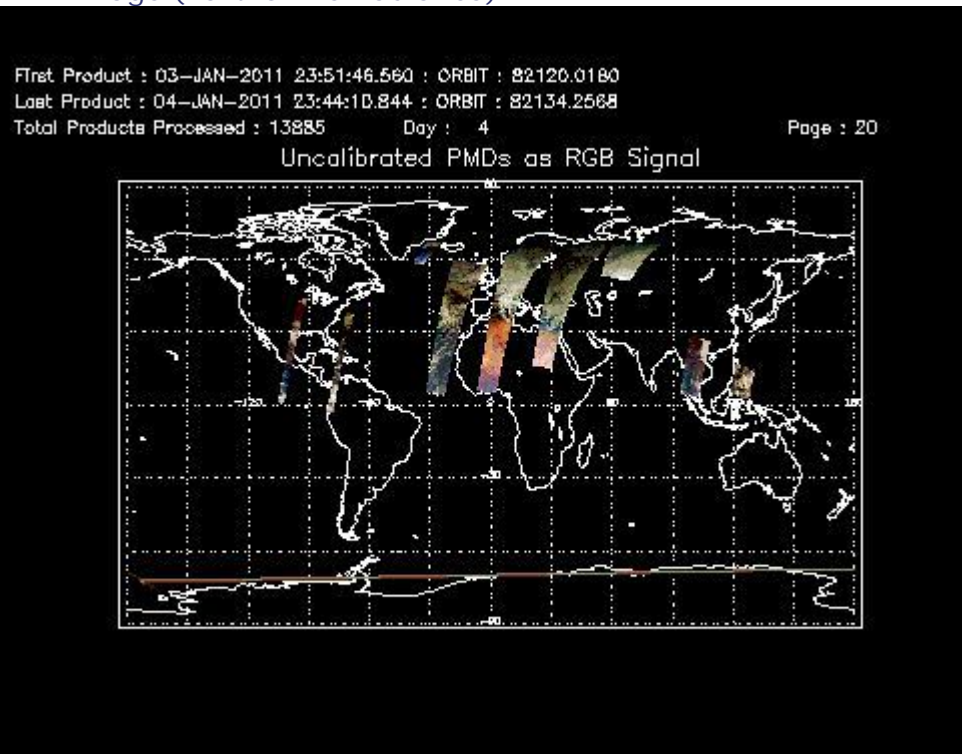
First Product : 03-JAN-2011 23:51:46.560 : ORBIT : 82120.0180  
 Last Product : 04-JAN-2011 23:44:10.844 : ORBIT : 82134.2568  
 Total Products Processed : 13885 Day : 4

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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	12:04:44.035	--	82128	Yes	--	82128

#### 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
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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
13:00	--	82128	--

## 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