

# GOME Daily Report

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## 1 - General Info

### 1.1 - Report Summary

Item	Value
Report Version	GOMEver3_3
Report of Day	15-JAN-2010
Start Time of First Product	00:48:11
Stop Time of Last Product	22:58:44
Number of EGOI Products analysed	25
Number of corrupted products	--
Anomalies and/or Special Operations	<span style="color: red;">Narrow Swath continued from previous day, stop orbit: 82285</span>

### 1.2 - List of received products

Name	Date	Time
EGOI_110115GSEP3561.E2	15-JAN-2011	00:55:39.188
EGOI_110115GSEP3593.E2	15-JAN-2011	02:32:06.783
EGOI_110115GSEP3623.E2	15-JAN-2011	04:12:56.906
EGOI_110115GSEP3630.E2	15-JAN-2011	05:55:18.536
EGOI_110115KSEP5394.E2	15-JAN-2011	06:13:27.654
EGOI_110115KSEP5414.E2	15-JAN-2011	07:53:32.769
EGOI_110115KSEP5437.E2	15-JAN-2011	09:33:09.389
EGOI_110115KSEP5468.E2	15-JAN-2011	11:12:47.509
EGOI_110115KSEP5497.E2	15-JAN-2011	12:52:00.121

EGOI_110115KSEP5514.E2	15-JAN-2011	16:08:35.837
EGOI_110115KSEP5541.E2	15-JAN-2011	17:46:33.445
EGOI_110115KSEP5573.E2	15-JAN-2011	19:24:31.053
EGOI_110115KSEP5598.E2	15-JAN-2011	21:04:42.177
EGOI_110115KSEP5624.E2	15-JAN-2011	22:47:08.309
EGOI_110115MAEP1876.E2	15-JAN-2011	08:02:23.819
EGOI_110115MAEP1891.E2	15-JAN-2011	09:40:52.935
EGOI_110115MAEP1911.E2	15-JAN-2011	20:56:57.129
EGOI_110115MIEP0238.E2	15-JAN-2011	02:29:03.763
EGOI_110115MIEP0266.E2	15-JAN-2011	04:08:02.874
EGOI_110115MIEP0290.E2	15-JAN-2011	14:49:12.851
EGOI_110115MIEP0320.E2	15-JAN-2011	16:27:13.455
EGOI_110115MSEP3647.E2	15-JAN-2011	00:48:10.645
EGOI_110115MSEP3667.E2	15-JAN-2011	11:25:52.085
EGOI_110115MSEP3691.E2	15-JAN-2011	13:06:28.712
EGOI_110115MSEP3724.E2	15-JAN-2011	22:34:47.235

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### 1.3 - List of data gaps

Station	Orbit	Date	Start Time	Stop Time	Duration (s)
KS	82281	15-JAN-2011	06:12:03.221	06:13:27.654	84.433000
KS	82282	15-JAN-2011	07:51:01.019	07:53:32.769	151.75000
KS	82283	15-JAN-2011	09:30:36.902	09:33:09.389	152.48700
KS	82284	15-JAN-2011	11:10:11.470	11:12:47.509	156.03900
KS	82285	15-JAN-2011	12:49:27.008	12:52:00.121	153.11300
KS	82287	15-JAN-2011	16:05:58.071	16:08:35.836	157.76500
KS	82288	15-JAN-2011	17:43:53.574	17:46:33.445	159.87100
KS	82289	15-JAN-2011	19:22:19.838	19:24:31.053	131.21500
KS	82290	15-JAN-2011	21:02:32.369	21:04:42.176	129.80700
KS	82291	15-JAN-2011	22:45:00.916	22:47:08.309	127.39300
GS	82278	15-JAN-2011	00:54:01.938	00:55:39.188	97.250000
GS	82279	15-JAN-2011	02:30:09.871	02:32:06.783	116.91200
GS	82280	15-JAN-2011	04:10:51.571	04:12:56.906	125.33500
MS	82278	15-JAN-2011	00:46:29.063	00:48:10.645	101.58200
MS	82284	15-JAN-2011	11:23:09.473	11:25:52.085	162.61200
MS	82285	15-JAN-2011	13:03:45.603	13:06:28.712	163.10900
MS	82291	15-JAN-2011	22:32:45.338	22:34:47.234	121.89600
MA	82283	15-JAN-2011	09:38:41.234	09:40:52.935	131.70100
MA	82290	15-JAN-2011	20:54:15.178	20:56:57.128	161.95000
MI	82279	15-JAN-2011	02:26:35.743	02:29:03.763	148.02000

MI	82280	15-JAN-2011	04:04:52.997	04:08:02.874	189.87700
MI	82286	15-JAN-2011	14:46:51.745	14:49:12.850	141.10500
MI	82287	15-JAN-2011	16:24:45.079	16:27:13.454	148.37500

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#### 1.4 - List of missing products

Station	Orbit	Date	Start Time	Stop Time	Duration (s)
HO	82277	14-JAN-2011	23:57:58.439	00:12:29.489	871.05000
MM	82277	15-JAN-2011	00:08:57.291	00:20:18.730	681.43900
HO	82278	15-JAN-2011	01:39:30.673	01:50:39.869	669.19600
MM	82278	15-JAN-2011	01:51:06.424	02:00:33.887	567.46300
BE	82279	15-JAN-2011	02:56:02.125	03:09:26.616	804.49100
MM	82279	15-JAN-2011	03:34:05.235	03:41:11.392	426.15700
SG	82279	15-JAN-2011	03:07:12.533	03:20:50.062	817.52900
CM	82279	15-JAN-2011	04:03:27.297	04:15:52.518	745.22100
BE	82280	15-JAN-2011	04:36:28.900	04:46:25.029	596.12900
MM	82280	15-JAN-2011	05:16:55.920	05:22:42.338	346.41800
SG	82280	15-JAN-2011	04:48:36.261	04:57:32.558	536.29700
MM	82281	15-JAN-2011	06:58:30.314	07:05:30.701	420.38700
JO	82281	15-JAN-2011	06:39:43.887	06:49:24.343	580.45600
MM	82282	15-JAN-2011	08:39:09.103	08:48:30.582	561.47900
JO	82282	15-JAN-2011	08:15:39.813	08:30:41.485	901.67200
MM	82283	15-JAN-2011	10:19:24.781	10:30:42.285	677.50400
MM	82284	15-JAN-2011	11:59:26.422	12:11:49.387	742.96500
MA	82284	15-JAN-2011	11:19:35.234	11:28:08.898	513.66400
MM	82285	15-JAN-2011	13:39:14.213	13:51:57.818	763.60500
SG	82285	15-JAN-2011	14:05:37.347	14:13:47.235	489.88800
BE	82286	15-JAN-2011	14:12:39.859	14:26:04.310	804.45100
MM	82286	15-JAN-2011	15:18:46.301	15:31:25.096	758.79500
KS	82286	15-JAN-2011	14:28:14.106	14:39:51.591	697.48500
GS	82286	15-JAN-2011	14:40:00.387	14:50:53.535	653.14800
SG	82286	15-JAN-2011	15:41:52.822	15:55:36.399	823.57700
BE	82287	15-JAN-2011	15:55:42.730	16:03:16.681	453.95100
MM	82287	15-JAN-2011	16:58:02.561	17:10:34.292	751.73100
GS	82287	15-JAN-2011	16:18:48.908	16:32:36.402	827.49400
CM	82287	15-JAN-2011	16:27:25.740	16:39:50.999	745.25900

MM	82288	15-JAN-2011	18:37:10.575	18:49:46.170	755.59500
GS	82288	15-JAN-2011	17:59:24.526	18:08:44.996	560.47000
JO	82288	15-JAN-2011	19:00:16.447	19:06:30.546	374.09900
MM	82289	15-JAN-2011	20:16:28.409	20:29:12.061	763.65200
MA	82289	15-JAN-2011	19:19:03.594	19:27:39.456	515.86200
JO	82289	15-JAN-2011	20:35:44.774	20:50:43.868	899.09400
HO	82290	15-JAN-2011	21:51:29.031	22:00:32.921	543.89000
MM	82290	15-JAN-2011	21:56:19.663	22:08:54.380	754.71700
JO	82290	15-JAN-2011	22:16:33.862	22:27:23.007	649.14500
HO	82291	15-JAN-2011	23:26:55.040	23:41:11.640	856.60000
MM	82291	15-JAN-2011	23:37:04.389	23:48:51.255	706.86600
MA	82291	15-JAN-2011	22:39:11.061	22:45:05.642	354.58100

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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

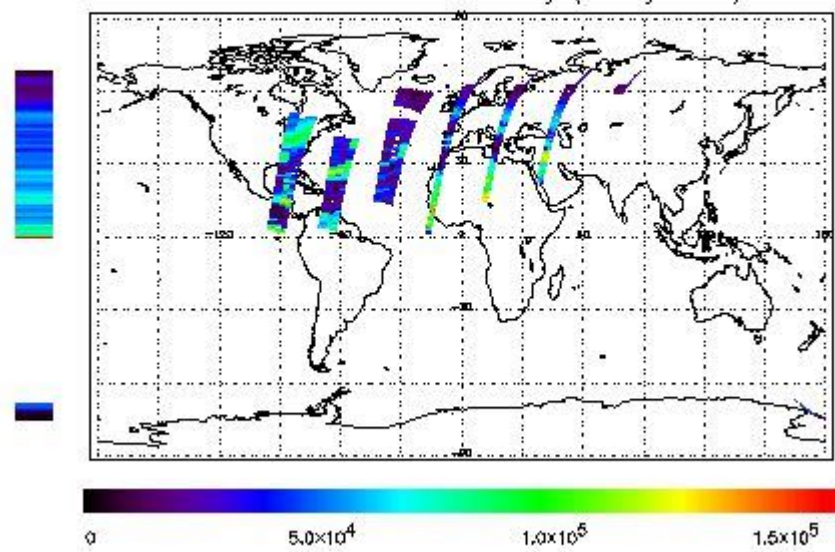
## 2.2 - Daily Plots

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 : 15-JAN-2011 00:48:10.645 : ORBIT : 82278.0358  
 Last Product : 15-JAN-2011 22:58:44.383 : ORBIT : 82291.2622  
 Total Products Processed : 12488 Day : 15 Page : 21

778 nm Uncalibrated Intensity (Binary Units)

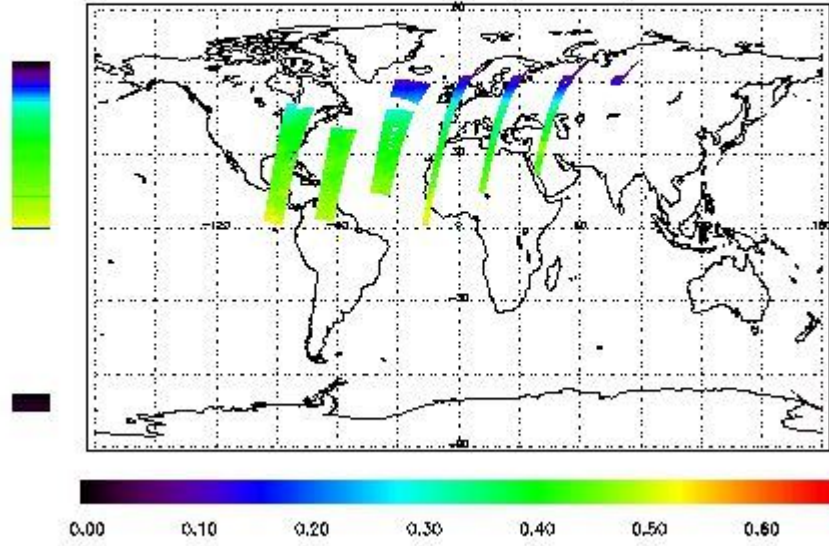


### Ozone Line Ratio

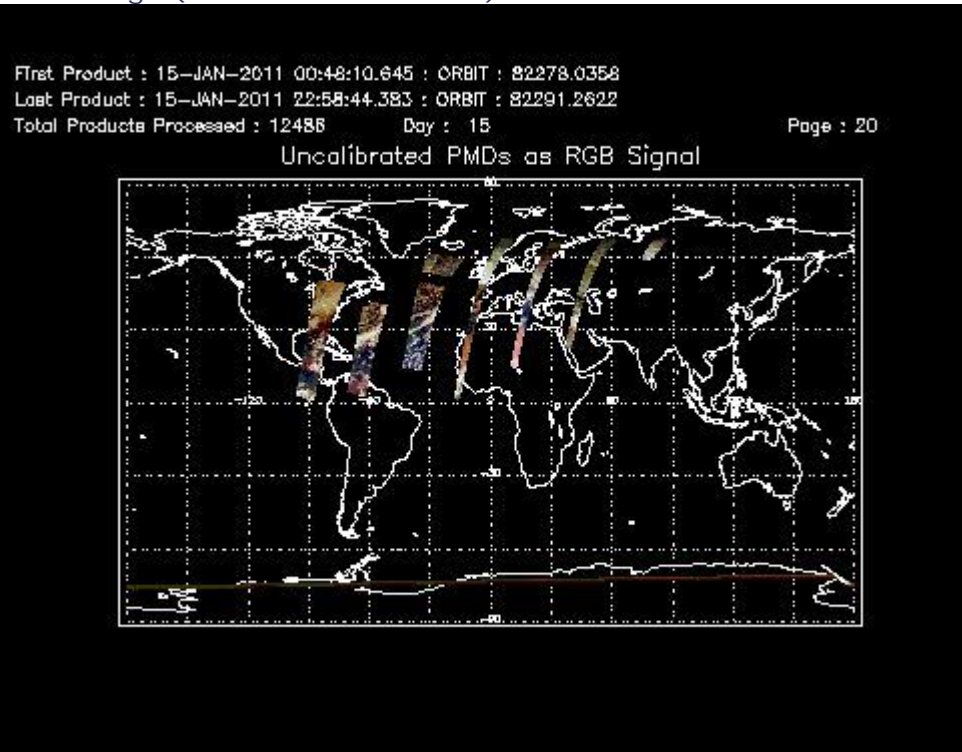
First Product : 15-JAN-2011 00:48:10.645 : ORBIT : 82278.0358  
 Last Product : 15-JAN-2011 22:58:44.383 : ORBIT : 82291.2622  
 Total Products Processed : 12486 Day : 15

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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	12:58:51.164	--	82285	Yes	--	15775

#### 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
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### 5.5 - Narrow Swath Timeline

Start Time	End Time	Start Orbit	End Orbit
15:00	12:00	82272	82285

## 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