

# GOME Daily Report

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## 1 - General Info

### 1.1 - Report Summary

Item	Value
Report Version	GOMEver3_3
Report of Day	18-DEC-2009
Start Time of First Product	23:557:31 (17-Dec)
Stop Time of Last Product	23:49:40
Number of EGOI Products analysed	33
Number of corrupted products	--
Anomalies and/or Special Operations	Nominal Data

### 1.2 - List of received products

Name	Date	Time
OI_091218BEEP1413.E2;1	18-DEC-2009	02:10:45.580
EGOI_091218BEEP1420.E2	18-DEC-2009	03:49:53.699
EGOI_091218CMEP5747.E2	18-DEC-2009	03:17:45.999
EGOI_091218CMEP5757.E2	18-DEC-2009	04:59:51.126
EGOI_091218CMEP5765.E2	18-DEC-2009	15:41:23.603
EGOI_091218CMEP5772.E2	18-DEC-2009	17:20:33.211
EGOI_091218GSEP5519.E2	18-DEC-2009	01:44:30.420
EGOI_091218GSEP5548.E2	18-DEC-2009	03:23:08.531
EGOI_091218GSEP5558.E2	18-DEC-2009	05:06:00.173

EGOI_091218HLEP4669.E2	18-DEC-2009	00:54:19.609
EGOI_091218HLEP4680.E2	18-DEC-2009	22:45:08.220
EGOI_091218KSEP8292.E2	18-DEC-2009	07:04:36.901
EGOI_091218KSEP8314.E2	18-DEC-2009	08:44:36.021
EGOI_091218KSEP8343.E2	18-DEC-2009	10:24:15.637
EGOI_091218KSEP8369.E2	18-DEC-2009	12:03:46.254
EGOI_091218KSEP8389.E2	18-DEC-2009	13:42:42.369
EGOI_091218KSEP8417.E2	18-DEC-2009	15:21:17.474
EGOI_091218KSEP8449.E2	18-DEC-2009	16:58:43.582
EGOI_091218KSEP8484.E2	18-DEC-2009	18:36:41.186
EGOI_091218KSEP8513.E2	18-DEC-2009	20:15:32.798
EGOI_091218KSEP8544.E2	18-DEC-2009	21:56:49.926
EGOI_091218KSEP8568.E2	18-DEC-2009	23:40:41.566
EGOI_091218MAEP6968.E2	18-DEC-2009	08:52:00.068
EGOI_091218MAEP6979.E2	18-DEC-2009	10:31:41.180
EGOI_091218MAEP6998.E2	18-DEC-2009	20:08:55.259
EGOI_091218MSEP8183.E2	17-DEC-2009	23:57:31.257
EGOI_091218MSEP8199.E2	18-DEC-2009	10:38:23.229
EGOI_091218MSEP8228.E2	18-DEC-2009	12:16:55.332
EGOI_091218MSEP8256.E2	18-DEC-2009	21:48:13.872
EGOI_091218MSEP8288.E2	18-DEC-2009	23:25:39.975
EGOI_091218SGEP2234.E2	18-DEC-2009	04:00:37.258
EGOI_091218SGEP2241.E2	18-DEC-2009	15:08:18.896
EGOI_091218SGEP2248.E2	18-DEC-2009	16:44:23.988

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### 1.3 - List of data gaps

Station	Orbit	Date	Start Time	Stop Time	Duration (s)
KS	76656	18-DEC-2009	07:02:46.139	07:04:36.900	110.76100
KS	76657	18-DEC-2009	08:42:13.254	08:44:36.021	142.76700
KS	76658	18-DEC-2009	10:21:50.825	10:24:15.637	144.81200
KS	76659	18-DEC-2009	12:01:17.869	12:03:46.253	148.38400
KS	76660	18-DEC-2009	13:40:16.117	13:42:42.368	146.25100
KS	76661	18-DEC-2009	15:18:30.489	15:21:17.473	166.98400
KS	76662	18-DEC-2009	16:56:11.973	16:58:43.582	151.60900
KS	76663	18-DEC-2009	18:34:16.738	18:36:41.185	144.44700
KS	76664	18-DEC-2009	20:13:37.578	20:15:32.797	115.21900
KS	76665	18-DEC-2009	21:54:54.465	21:56:49.925	115.46000
KS	76666	18-DEC-2009	23:38:58.615	23:40:41.566	102.95100
GS	76653	18-DEC-2009	01:42:50.094	01:44:30.419	100.32500
GS	76654	18-DEC-2009	03:21:18.244	03:23:08.531	110.28700

MS	76652	17-DEC-2009	23:55:18.549	23:57:31.256	132.70700
MS	76658	18-DEC-2009	10:35:51.966	10:38:23.229	151.26300
MS	76659	18-DEC-2009	12:14:24.034	12:16:55.332	151.29800
MS	76666	18-DEC-2009	23:23:29.059	23:25:39.975	130.91600
MA	76658	18-DEC-2009	10:29:51.977	10:31:41.179	109.20200
MA	76664	18-DEC-2009	20:06:25.509	20:08:55.259	149.75000
BE	76653	18-DEC-2009	02:08:10.114	02:10:45.580	155.46600
BE	76654	18-DEC-2009	03:47:22.062	03:49:53.699	151.63700
SG	76654	18-DEC-2009	03:58:21.751	04:00:37.257	135.50600
SG	76654	18-DEC-2009	04:09:35.811	04:11:37.971	122.16000
CM	76654	18-DEC-2009	03:16:14.249	03:17:45.999	91.750000
CM	76661	18-DEC-2009	15:39:57.084	15:41:23.602	86.518000
CM	76662	18-DEC-2009	17:19:14.230	17:20:33.211	78.981000

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#### 1.4 - List of missing products

Station	Orbit	Date	Start Time	Stop Time	Duration (s)
MM	76652	18-DEC-2009	01:01:21.567	01:11:50.253	628.68600
KS	76652	18-DEC-2009	00:12:47.623	00:16:50.239	242.61600
MM	76653	18-DEC-2009	02:44:00.276	02:52:14.913	494.63700
MI	76653	18-DEC-2009	01:43:03.304	01:46:00.464	177.16000
SG	76653	18-DEC-2009	02:20:41.207	02:31:06.091	624.88400
MM	76654	18-DEC-2009	04:27:05.370	04:33:14.042	368.67200
MM	76655	18-DEC-2009	06:09:20.182	06:15:27.599	367.41700
MM	76656	18-DEC-2009	07:50:20.133	07:58:32.552	492.41900
JO	76656	18-DEC-2009	07:28:08.445	07:42:04.944	836.49900
MM	76657	18-DEC-2009	09:30:44.854	09:41:11.806	626.95200
JO	76657	18-DEC-2009	09:07:30.632	09:21:11.852	821.22000
HO	76658	18-DEC-2009	11:21:21.068	11:31:59.542	638.47400
MM	76658	18-DEC-2009	11:10:52.991	11:22:50.554	717.56300
HO	76659	18-DEC-2009	12:59:23.288	13:14:12.702	889.41400
MM	76659	18-DEC-2009	12:50:47.692	13:03:25.857	758.16500
HO	76660	18-DEC-2009	14:39:42.818	14:50:47.517	664.69900
MM	76660	18-DEC-2009	14:30:27.642	14:43:10.439	762.79700
BE	76661	18-DEC-2009	15:04:37.741	15:16:44.136	726.39500
MM	76661	18-DEC-2009	16:09:51.275	16:22:25.465	754.19000

MI	76661	18-DEC-2009	15:36:31.191	15:49:38.173	786.98200
GS	76661	18-DEC-2009	15:30:33.224	15:44:16.326	823.10200
MM	76662	18-DEC-2009	17:49:01.664	18:01:33.957	752.29300
MI	76662	18-DEC-2009	17:17:02.504	17:26:53.607	591.10300
GS	76662	18-DEC-2009	17:10:18.414	17:22:39.845	741.43100
MM	76663	18-DEC-2009	19:28:11.890	19:40:52.269	760.37900
JO	76663	18-DEC-2009	19:48:13.192	20:01:30.712	797.52000
MM	76664	18-DEC-2009	21:07:44.025	21:20:26.716	762.69100
JO	76664	18-DEC-2009	21:27:04.190	21:41:17.419	853.22900
MM	76665	18-DEC-2009	22:48:00.730	23:00:16.792	736.06200
MA	76665	18-DEC-2009	21:47:01.222	21:58:48.510	707.28800

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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

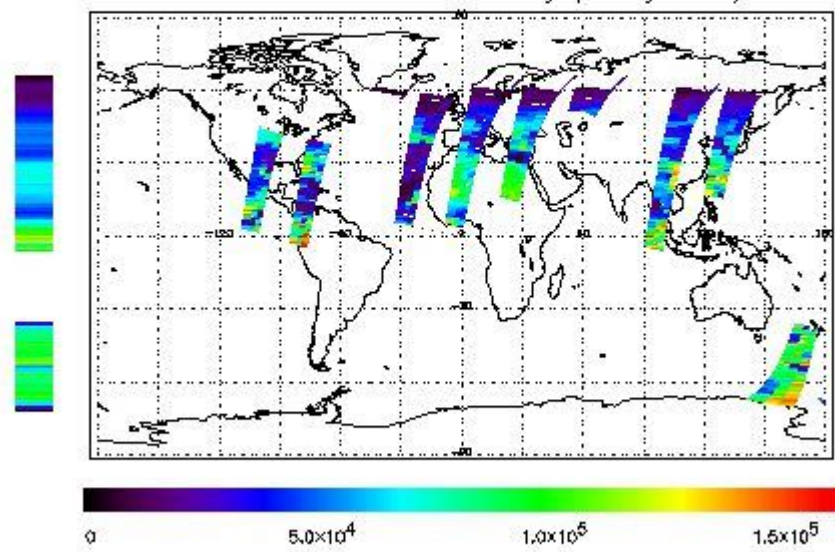
## 2.2 - Daily Plots

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 : 17-DEC-2009 23:57:31.257 : ORBIT : 76652.0180  
 Last Product : 18-DEC-2009 23:49:40.120 : ORBIT : 76665.2542  
 Total Products Processed : 15475 Day : 352 Page : 21

778 nm Uncalibrated Intensity (Binary Units)

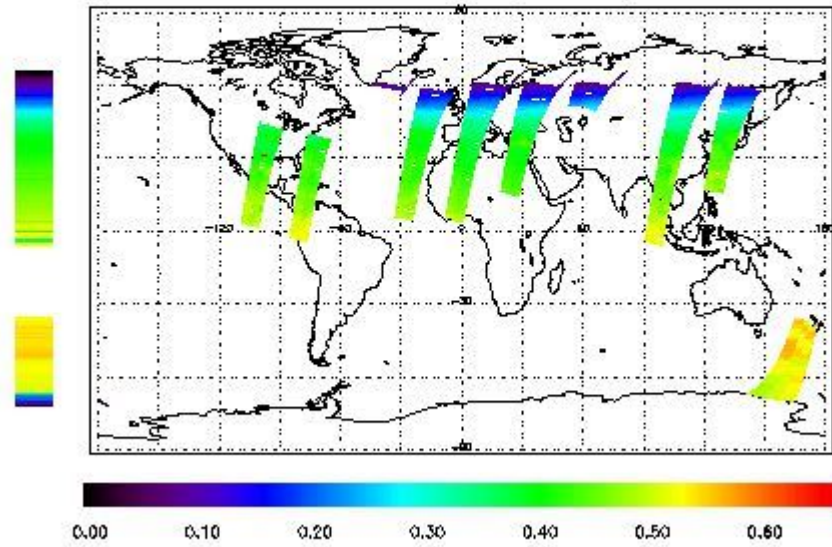


### Ozone Line Ratio

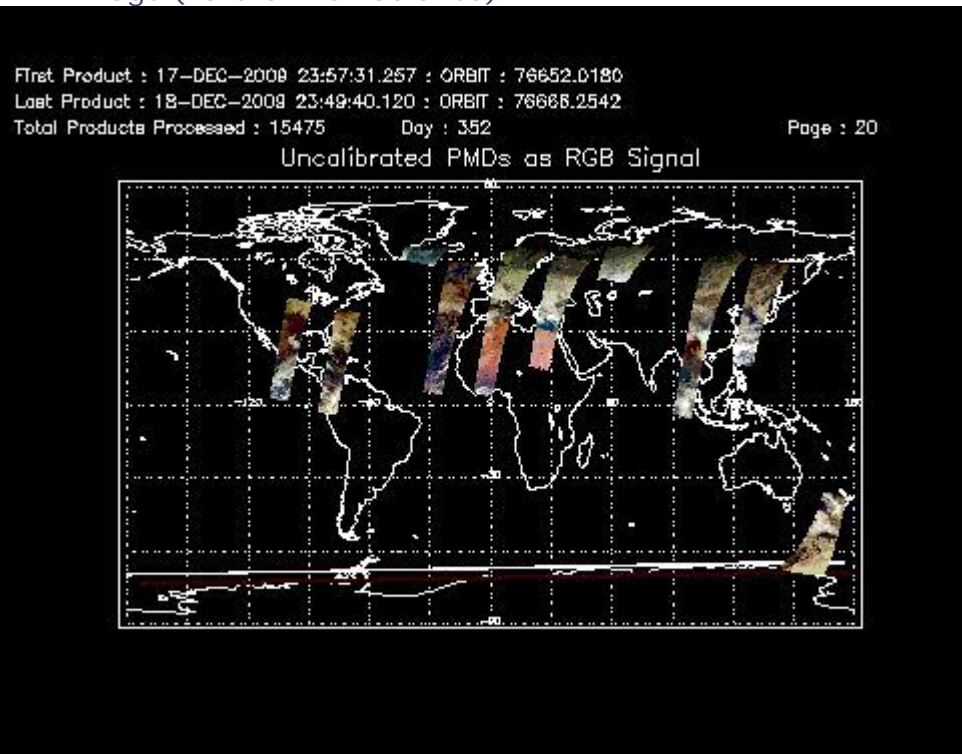
First Product : 17-DEC-2008 23:57:31.257 : ORBIT : 76652.0180  
 Last Product : 18-DEC-2008 23:49:40.120 : ORBIT : 76668.2542  
 Total Products Processed : 15475 Day : 352

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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	12:10:32.790	--	76659	Yes	--	15824

#### 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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lamp_ca	--	--	--	--	--	--	

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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