

# GOME Daily Report

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## 1 - General Info

### 1.1 - Report Summary

Item	Value
Report Version	GOMEver3_3
Report of Day	25-OCT-2009
Start Time of First Product	23:54:41 (24-Oct)
Stop Time of Last Product	23:46:59
Number of EGOI Products analysed	31
Number of corrupted products	--
Anomalies and/or Special Operations	<span style="color: red;">Narrow Swath continued from previous day, end orbit 75885</span>

### 1.2 - List of received products

Name	Date	Time
EGOI_091025BEEP1016.E2	25-OCT-2009	02:08:10.192
EGOI_091025GSEP1494.E2	25-OCT-2009	01:41:55.032
EGOI_091025GSEP1522.E2	25-OCT-2009	03:20:22.639
EGOI_091025GSEP1531.E2	25-OCT-2009	05:03:15.769
EGOI_091025KSEP2763.E2	25-OCT-2009	07:01:55.502
EGOI_091025KSEP2785.E2	25-OCT-2009	08:41:54.614
EGOI_091025KSEP2810.E2	25-OCT-2009	10:21:34.224
EGOI_091025KSEP2835.E2	25-OCT-2009	12:01:04.840
EGOI_091025KSEP2856.E2	25-OCT-2009	13:40:00.951

EGOI_091025KSEP2884.E2	25-OCT-2009	15:18:39.054
EGOI_091025KSEP2915.E2	25-OCT-2009	16:56:05.154
EGOI_091025KSEP2950.E2	25-OCT-2009	18:34:02.754
EGOI_091025KSEP2985.E2	25-OCT-2009	20:12:52.866
EGOI_091025KSEP3016.E2	25-OCT-2009	21:54:00.989
EGOI_091025KSEP3043.E2	25-OCT-2009	23:37:34.623
EGOI_091025MAEP5231.E2	25-OCT-2009	08:49:21.661
EGOI_091025MAEP5241.E2	25-OCT-2009	10:28:59.771
EGOI_091025MIEP2364.E2	25-OCT-2009	01:42:44.536
EGOI_091025MIEP2387.E2	25-OCT-2009	03:15:54.111
EGOI_091025MIEP2411.E2	25-OCT-2009	04:57:50.238
EGOI_091025MIEP2431.E2	25-OCT-2009	15:36:09.160
EGOI_091025MIEP2457.E2	25-OCT-2009	17:16:33.780
EGOI_091025MSEP1748.E2	24-OCT-2009	23:54:40.873
EGOI_091025MSEP1768.E2	25-OCT-2009	10:35:46.315
EGOI_091025MSEP1797.E2	25-OCT-2009	12:14:10.918
EGOI_091025MSEP1825.E2	25-OCT-2009	21:45:48.942
EGOI_091025MSEP1857.E2	25-OCT-2009	23:23:01.533
EGOI_091025SGEP0696.E2	25-OCT-2009	02:20:31.267
EGOI_091025SGEP0705.E2	25-OCT-2009	03:58:00.370
EGOI_091025SGEP0712.E2	25-OCT-2009	14:55:44.913
EGOI_091025SGEP0719.E2	25-OCT-2009	16:34:21.517

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### 1.3 - List of data gaps

Station	Orbit	Date	Start Time	Stop Time	Duration (s)
KS	75883	25-OCT-2009	06:59:56.239	07:01:55.502	119.26300
KS	75884	25-OCT-2009	08:39:22.483	08:41:54.613	152.13000
KS	75885	25-OCT-2009	10:19:00.104	10:21:34.224	154.12000
KS	75886	25-OCT-2009	11:58:27.687	12:01:04.839	157.15200
KS	75887	25-OCT-2009	13:37:27.033	13:40:00.951	153.91800
KS	75888	25-OCT-2009	15:15:45.517	15:18:39.053	173.53600
KS	75889	25-OCT-2009	16:53:24.456	16:56:05.154	160.69800
KS	75890	25-OCT-2009	18:31:27.762	18:34:02.753	154.99100
KS	75891	25-OCT-2009	20:10:45.834	20:12:52.865	127.03100
KS	75892	25-OCT-2009	21:51:58.867	21:54:00.989	122.12200
KS	75893	25-OCT-2009	23:35:56.765	23:37:34.623	97.858000
GS	75880	25-OCT-2009	01:40:05.194	01:41:55.032	109.83800
GS	75881	25-OCT-2009	03:18:25.733	03:20:22.638	116.90500
MS	75879	24-OCT-2009	23:52:23.173	23:54:40.872	137.69900
MS	75885	25-OCT-2009	10:33:07.042	10:35:46.315	159.27300

MS	75886	25-OCT-2009	12:11:30.016	12:14:10.918	160.90200
MS	75893	25-OCT-2009	23:20:37.433	23:23:01.533	144.10000
MA	75884	25-OCT-2009	08:47:50.089	08:49:21.660	91.571000
MA	75885	25-OCT-2009	10:27:01.875	10:28:59.771	117.89600
MI	75881	25-OCT-2009	03:13:29.454	03:15:54.110	144.65600
MI	75882	25-OCT-2009	04:55:32.515	04:57:50.238	137.72300
MI	75888	25-OCT-2009	15:33:42.903	15:36:09.159	146.25600
MI	75889	25-OCT-2009	17:14:05.272	17:16:33.779	148.50700
BE	75880	25-OCT-2009	02:05:22.705	02:08:10.192	167.48700
SG	75880	25-OCT-2009	02:18:02.261	02:20:31.267	149.00600
SG	75881	25-OCT-2009	03:55:28.578	03:58:00.369	151.79100
SG	75887	25-OCT-2009	14:51:13.873	14:55:44.913	271.04000
SG	75888	25-OCT-2009	16:31:25.163	16:34:21.516	176.35300

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#### 1.4 - List of missing products

Station	Orbit	Date	Start Time	Stop Time	Duration (s)
HO	75879	25-OCT-2009	00:46:36.604	01:00:36.378	839.77400
MM	75879	25-OCT-2009	00:58:26.435	01:08:58.399	631.96400
KS	75879	25-OCT-2009	00:09:39.762	00:14:06.319	266.55700
MM	75880	25-OCT-2009	02:41:03.672	02:49:22.448	498.77600
BE	75881	25-OCT-2009	03:44:30.008	03:57:14.133	764.12500
MM	75881	25-OCT-2009	04:24:08.951	04:30:20.074	371.12300
CM	75881	25-OCT-2009	03:13:31.518	03:24:03.356	631.83800
CM	75881	25-OCT-2009	04:52:28.904	05:03:21.850	652.94600
MM	75882	25-OCT-2009	06:06:26.112	06:12:31.247	365.13500
MM	75883	25-OCT-2009	07:47:27.633	07:55:35.915	488.28200
JO	75883	25-OCT-2009	07:25:23.458	07:39:11.747	828.28900
MM	75884	25-OCT-2009	09:27:52.986	09:38:16.599	623.61300
JO	75884	25-OCT-2009	09:04:35.003	09:18:25.464	830.46100
HO	75885	25-OCT-2009	11:18:38.841	11:28:55.493	616.65200
MM	75885	25-OCT-2009	11:08:01.515	11:19:57.216	715.70100
HO	75886	25-OCT-2009	12:56:33.148	13:11:22.585	889.43700
MM	75886	25-OCT-2009	12:47:56.610	13:00:34.210	757.60000
HO	75887	25-OCT-2009	14:36:49.153	14:48:20.781	691.62800
MM	75887	25-OCT-2009	14:27:37.009	14:40:19.974	762.96500

BE	75888	25-OCT-2009	15:01:41.926	15:13:56.693	734.76700
MM	75888	25-OCT-2009	16:07:01.103	16:19:35.514	754.41100
GS	75888	25-OCT-2009	15:27:43.660	15:41:23.722	820.06200
CM	75888	25-OCT-2009	15:37:12.910	15:47:51.459	638.54900
MM	75889	25-OCT-2009	17:46:11.742	17:58:43.915	752.17300
GS	75889	25-OCT-2009	17:07:26.116	17:19:54.853	748.73700
CM	75889	25-OCT-2009	17:16:18.724	17:27:04.859	646.13500
MM	75890	25-OCT-2009	19:25:21.695	19:38:01.817	760.12200
JO	75890	25-OCT-2009	19:45:27.843	19:58:33.730	785.88700
MM	75891	25-OCT-2009	21:04:52.870	21:17:35.790	762.92000
MA	75891	25-OCT-2009	20:03:38.754	20:17:06.451	807.69700
JO	75891	25-OCT-2009	21:24:11.634	21:38:31.366	859.73200
HO	75892	25-OCT-2009	22:37:02.665	22:49:42.877	760.21200
MM	75892	25-OCT-2009	22:45:08.037	22:57:25.450	737.41300
MA	75892	25-OCT-2009	21:43:49.478	21:56:01.369	731.89100

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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	South Polar View operations
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	
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

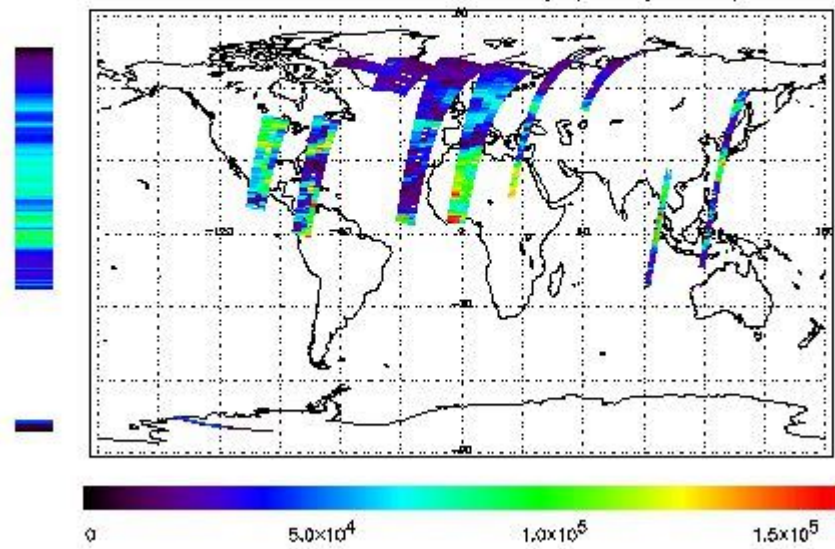
## 2.2 - Daily Plots

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 : 24-OCT-2009 23:54:40.873 : ORBIT : 75879.0183  
 Last Product : 25-OCT-2009 23:48:58.685 : ORBIT : 75893.2580  
 Total Products Processed : 15090 Day : 298 Page : 21

778 nm Uncalibrated Intensity (Binary Units)

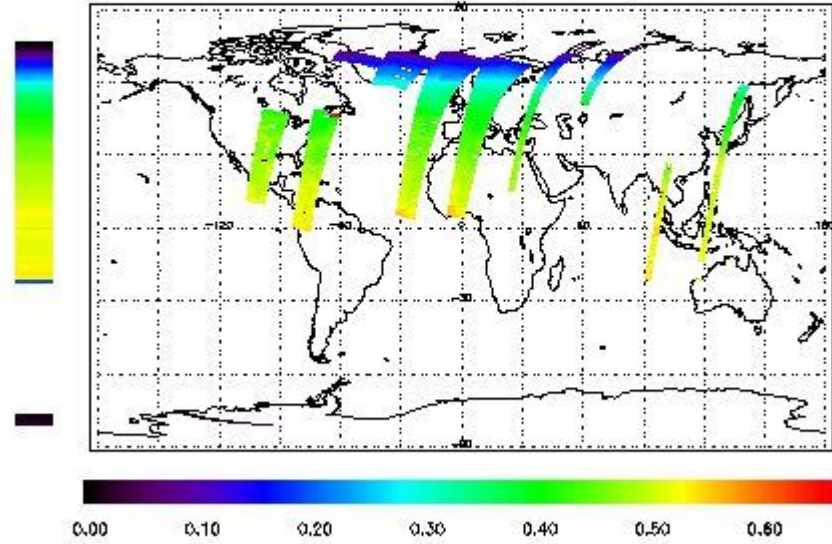


### Ozone Line Ratio

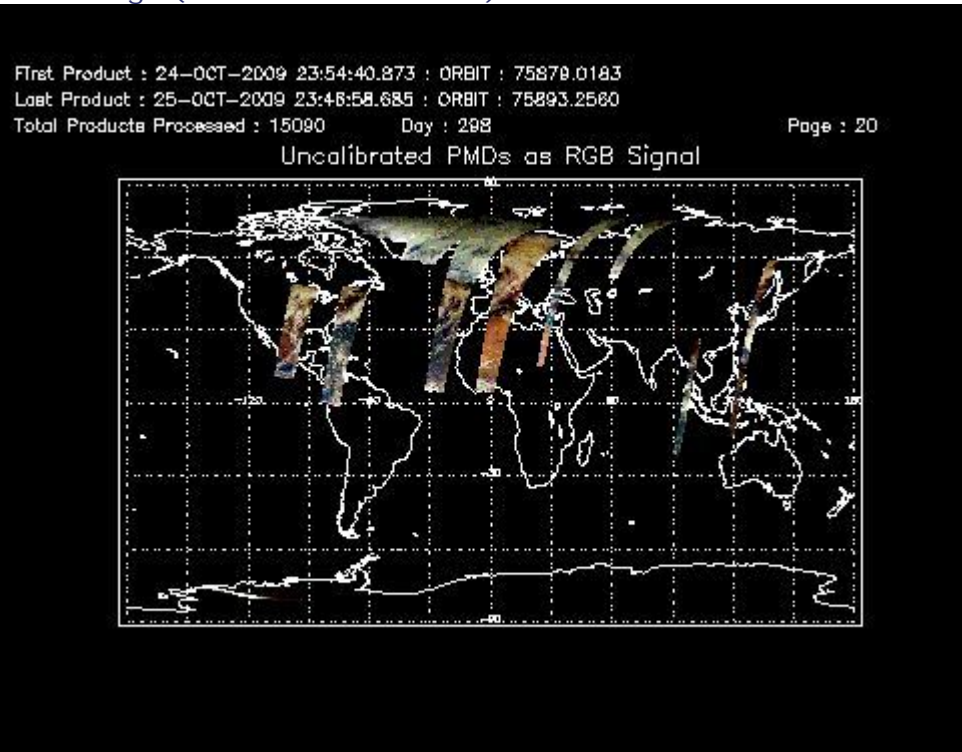
First Product : 24-OCT-2009 23:54:40.873 : ORBIT : 75879.0183  
 Last Product : 25-OCT-2009 23:46:58.685 : ORBIT : 75893.2560  
 Total Products Processed : 15090 Day : 298

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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	10:23:52.239	--	75885	Yes	--	15454

#### 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
12:00	10:00	75872	75885

## 5.6 - Seasonal Operations

Start Time	End Time	Start Orbit	End Orbit
01:00 05-Sep	--	75164	--

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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