

# GOME Daily Report

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## 1 - General Info

### 1.1 - Report Summary

Item	Value
Report Version	GOMEver3_3
Report of Day	15-OCT-2009
Start Time of First Product	00:09:22
Stop Time of Last Product	23:50:51
Number of EGOI Products analysed	30
Number of corrupted products	--
Anomalies and/or Special Operations	<i>Narrow Swath continued from previous day as planned, stop orbit 75745</i>

### 1.2 - List of received products

Name	Date	Time
EGOI_091015BEEP0903.E2	15-OCT-2009	02:22:02.189
EGOI_091015BEEP0909.E2	15-OCT-2009	04:01:28.296
EGOI_091015GSEP0733.E2	15-OCT-2009	01:55:45.524
EGOI_091015GSEP0764.E2	15-OCT-2009	03:34:47.631
EGOI_091015GSEP0773.E2	15-OCT-2009	05:17:37.759
EGOI_091015KSEP0019.E2	15-OCT-2009	10:35:50.201
EGOI_091015KSEP0051.E2	15-OCT-2009	12:15:14.811
EGOI_091015KSEP0082.E2	15-OCT-2009	13:54:12.418
EGOI_091015KSEP0110.E2	15-OCT-2009	15:32:29.518

EGOI_091015KSEP0142.E2	15-OCT-2009	17:10:00.118
EGOI_091015KSEP0172.E2	15-OCT-2009	18:48:02.221
EGOI_091015KSEP0202.E2	15-OCT-2009	20:27:10.328
EGOI_091015KSEP0229.E2	15-OCT-2009	22:08:43.952
EGOI_091015KSEP9970.E2	15-OCT-2009	07:16:11.483
EGOI_091015KSEP9995.E2	15-OCT-2009	08:56:10.598
EGOI_091015MAEP4870.E2	15-OCT-2009	09:03:27.137
EGOI_091015MAEP4880.E2	15-OCT-2009	10:43:18.748
EGOI_091015MIEP1485.E2	15-OCT-2009	01:54:44.016
EGOI_091015MIEP1511.E2	15-OCT-2009	03:31:49.111
EGOI_091015MIEP1532.E2	15-OCT-2009	05:13:36.234
EGOI_091015MIEP1541.E2	15-OCT-2009	15:50:13.131
EGOI_091015MIEP1563.E2	15-OCT-2009	17:31:21.252
EGOI_091015MSEP0628.E2	15-OCT-2009	00:09:22.378
EGOI_091015MSEP0650.E2	15-OCT-2009	10:49:30.787
EGOI_091015MSEP0678.E2	15-OCT-2009	12:28:34.394
EGOI_091015MSEP0706.E2	15-OCT-2009	21:59:22.893
EGOI_091015MSEP0735.E2	15-OCT-2009	23:37:23.500
EGOI_091015SGEP0430.E2	15-OCT-2009	04:23:16.429
EGOI_091015SGEP0438.E2	15-OCT-2009	15:08:45.877
EGOI_091015SGEP0445.E2	15-OCT-2009	16:49:10.489

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### 1.3 - List of data gaps

Station	Orbit	Date	Start Time	Stop Time	Duration (s)
KS	75742	15-OCT-2009	10:33:13.621	10:35:50.201	156.58000
KS	75743	15-OCT-2009	12:12:38.361	12:15:14.810	156.44900
KS	75744	15-OCT-2009	13:51:32.987	13:54:12.417	159.43000
KS	75745	15-OCT-2009	15:29:40.272	15:32:29.517	169.24500
KS	75746	15-OCT-2009	17:07:22.241	17:10:00.117	157.87600
KS	75747	15-OCT-2009	18:45:33.287	18:48:02.221	148.93400
KS	75748	15-OCT-2009	20:25:05.506	20:27:10.327	124.82100
KS	75749	15-OCT-2009	22:06:38.173	22:08:43.951	125.77800
KS	75740	15-OCT-2009	07:14:06.286	07:16:11.482	125.19600
KS	75741	15-OCT-2009	08:53:36.392	08:56:10.597	154.20500
KS	75750	15-OCT-2009	23:51:09.328	23:52:46.090	96.762000
GS	75737	15-OCT-2009	01:53:51.975	01:55:45.524	113.54900
GS	75738	15-OCT-2009	03:32:50.703	03:34:47.630	116.92700
MS	75736	15-OCT-2009	00:07:04.285	00:09:22.378	138.09300
MS	75742	15-OCT-2009	10:46:51.040	10:49:30.787	159.74700
MS	75743	15-OCT-2009	12:25:52.583	12:28:34.393	161.81000

MS	75749	15-OCT-2009	21:57:13.105	21:59:22.892	129.78700
MS	75750	15-OCT-2009	23:34:58.677	23:37:23.500	144.82300
MA	75742	15-OCT-2009	10:41:16.588	10:43:18.748	122.16000
MI	75737	15-OCT-2009	01:52:29.209	01:54:44.016	134.80700
MI	75738	15-OCT-2009	03:27:35.615	03:31:49.110	253.49500
MI	75739	15-OCT-2009	05:11:27.398	05:13:36.233	128.83500
MI	75745	15-OCT-2009	15:47:46.655	15:50:13.130	146.47500
MI	75746	15-OCT-2009	17:28:57.438	17:31:21.252	143.81400
BE	75737	15-OCT-2009	02:19:21.775	02:22:02.189	160.41400
BE	75738	15-OCT-2009	03:58:51.492	04:01:28.296	156.80400
SG	75744	15-OCT-2009	15:05:07.368	15:08:45.877	218.50900
SG	75745	15-OCT-2009	16:46:30.209	16:49:10.488	160.27900

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#### 1.4 - List of missing products

Station	Orbit	Date	Start Time	Stop Time	Duration (s)
HO	75736	15-OCT-2009	01:01:10.966	01:14:35.847	804.88100
MM	75736	15-OCT-2009	01:13:02.610	01:23:17.798	615.18800
KS	75736	15-OCT-2009	00:25:42.625	00:27:23.581	100.95600
MM	75737	15-OCT-2009	02:55:46.937	03:03:45.037	478.10000
SG	75737	15-OCT-2009	02:31:24.672	02:43:00.804	696.13200
MM	75738	15-OCT-2009	04:38:50.570	04:44:50.583	360.01300
CM	75738	15-OCT-2009	03:27:10.196	03:38:37.225	687.02900
CM	75738	15-OCT-2009	05:07:20.385	05:16:57.325	576.94000
MM	75739	15-OCT-2009	06:20:55.812	06:27:13.442	377.63000
MM	75740	15-OCT-2009	08:01:49.874	08:10:18.831	508.95700
JO	75740	15-OCT-2009	07:39:11.656	07:53:35.767	864.11100
MM	75741	15-OCT-2009	09:42:12.201	09:52:52.117	639.91600
JO	75741	15-OCT-2009	09:19:17.252	09:32:14.262	777.01000
MM	75742	15-OCT-2009	11:22:18.786	11:34:23.375	724.58900
MM	75743	15-OCT-2009	13:02:11.897	13:14:52.029	760.13200
HO	75744	15-OCT-2009	14:51:19.936	15:01:02.249	582.31300
MM	75744	15-OCT-2009	14:41:50.037	14:54:32.061	762.02400
GS	75744	15-OCT-2009	14:04:17.487	14:12:37.032	499.54500
BE	75745	15-OCT-2009	15:16:24.768	15:27:51.534	686.76600
MM	75745	15-OCT-2009	16:21:11.839	16:33:45.223	753.38400

GS	75745	15-OCT-2009	15:41:52.421	15:55:44.410	831.98900
CM	75745	15-OCT-2009	15:50:58.361	16:02:31.732	693.37100
MM	75746	15-OCT-2009	18:00:21.343	18:12:54.210	752.86700
GS	75746	15-OCT-2009	17:21:48.512	17:33:37.439	708.92700
CM	75746	15-OCT-2009	17:31:01.012	17:40:32.876	571.86400
MM	75747	15-OCT-2009	19:39:32.857	19:52:14.214	761.35700
MA	75747	15-OCT-2009	18:44:46.006	18:48:51.799	245.79300
JO	75747	15-OCT-2009	19:59:17.785	20:13:14.487	836.70200
MM	75748	15-OCT-2009	21:19:09.014	21:31:50.547	761.53300
MA	75748	15-OCT-2009	20:17:34.838	20:31:22.265	827.42700
JO	75748	15-OCT-2009	21:38:36.359	21:52:18.393	822.03400
HO	75749	15-OCT-2009	22:50:51.276	23:04:01.984	790.70800
MM	75749	15-OCT-2009	22:59:32.006	23:11:42.268	730.26200
MA	75749	15-OCT-2009	21:58:48.609	22:09:54.419	665.81000
KS	75750	15-OCT-2009	23:51:09.328	23:57:28.646	379.31800

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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	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

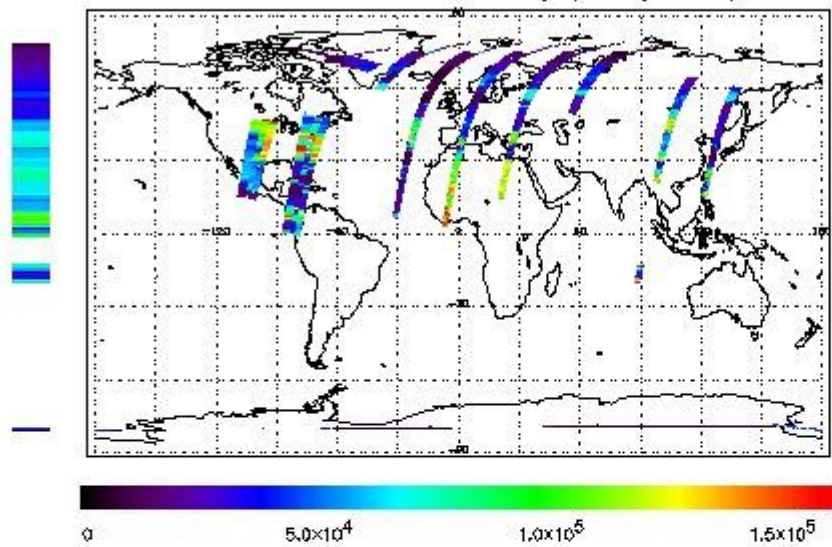
## 2.2 - Daily Plots

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-OCT-2009 00:09:22.378 : ORBIT : 75736.0215  
 Last Product : 15-OCT-2009 23:50:50.578 : ORBIT : 75750.1518  
 Total Products Processed : 14417 Day : 288 Page : 21

778 nm Uncalibrated Intensity (Binary Units)

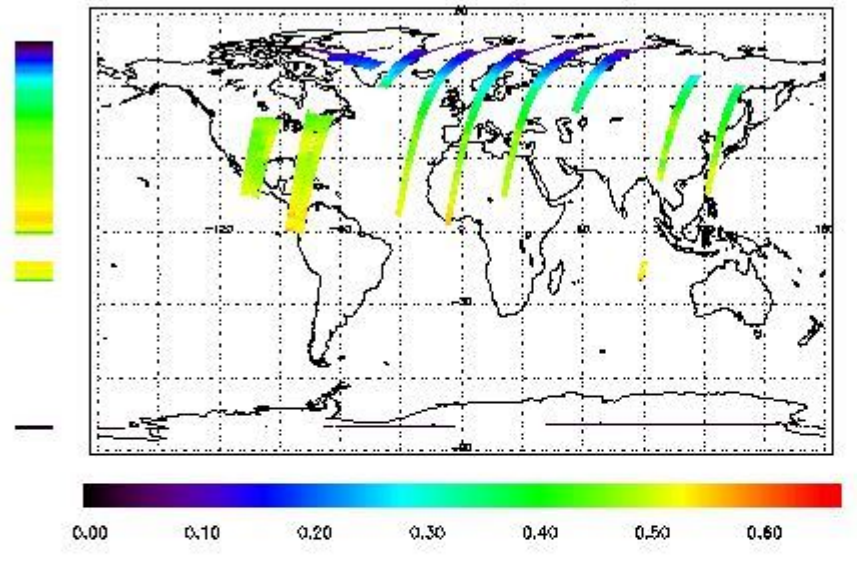


Ozone Line Ratio

First Product : 15-OCT-2009 00:09:22.378 : ORBIT : 75736.0215  
Last Product : 15-OCT-2009 23:50:50.578 : ORBIT : 75750.1518  
Total Products Processed : 14417 Day : 288

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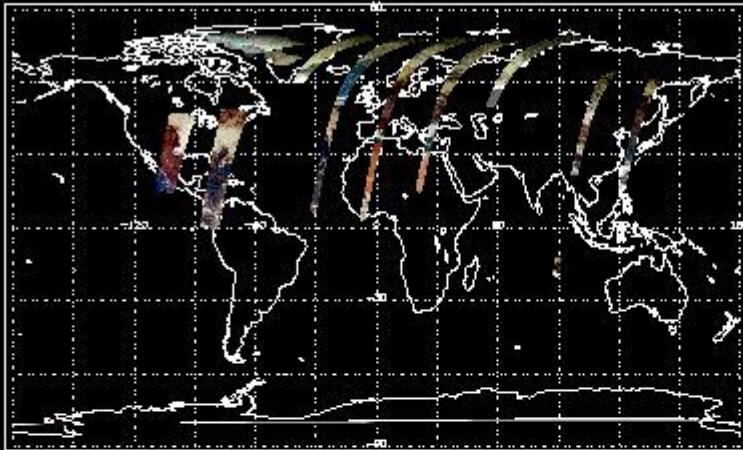
331/313 nm Uncalibrated Line Ratio, SZA Dependence Removed



PMD Image (Earthshine Radiance)



Uncalibrated PMDs as RGB Signal



### 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	15:39:02.560	--	75745	Yes	--	15328

#### 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
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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
18:00	15:00	75732	75745

#### 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