

# GOME Daily Report

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## 1 - General Info

### 1.1 - Report Summary

Item	Value
Report Version	GOMEver3_3
Report of Day	04-Nov-2009
Start Time of First Product	23:40:11 (03-Nov)
Stop Time of Last Product	23:32:48
Number of EGOI Products analysed	34
Number of corrupted products	1
Anomalies and/or Special Operations	Narrow Swath performed as planned, start orbit 76030

### 1.2 - List of received products

Name	Date	Time
OI_091104BEEP1103.E2;1	04-NOV-2009	01:54:13.308
EGOI_091104BEEP1111.E2	04-NOV-2009	03:32:48.412
EGOI_091104GSEP2242.E2	04-NOV-2009	01:28:47.648
EGOI_091104GSEP2269.E2	04-NOV-2009	03:06:04.747
EGOI_091104GSEP2296.E2	04-NOV-2009	04:48:41.381
EGOI_091104GSEP2302.E2	04-NOV-2009	06:30:33.007
EGOI_091104KSEP5556.E2	03-NOV-2009	23:55:47.076
EGOI_091104KSEP5572.E2	04-NOV-2009	06:47:40.610
EGOI_091104KSEP5592.E2	04-NOV-2009	08:27:38.223

EGOI_091104KSEP5618.E2	04-NOV-2009	10:07:19.338
EGOI_091104KSEP5644.E2	04-NOV-2009	11:46:52.473
EGOI_091104KSEP5664.E2	04-NOV-2009	13:25:51.580
EGOI_091104KSEP5672.E2	04-NOV-2009	15:04:34.188
EGOI_091104KSEP5686.E2	04-NOV-2009	16:42:06.292
EGOI_091104KSEP5713.E2	04-NOV-2009	18:20:06.891
EGOI_091104KSEP5749.E2	04-NOV-2009	19:58:43.504
EGOI_091104KSEP5758.E2	04-NOV-2009	21:39:33.619
EGOI_091104KSEP5777.E2	04-NOV-2009	23:22:32.758
EGOI_091104MAEP5594.E2	04-NOV-2009	08:35:38.274
EGOI_091104MAEP5610.E2	04-NOV-2009	10:14:44.889
EGOI_091104MIEP3417.E2	04-NOV-2009	03:01:52.720
EGOI_091104MIEP3442.E2	04-NOV-2009	04:42:35.342
EGOI_091104MIEP3465.E2	04-NOV-2009	15:22:08.794
EGOI_091104MIEP3492.E2	04-NOV-2009	17:01:52.913
EGOI_091104MSEP2920.E2	03-NOV-2009	23:40:10.982
EGOI_091104MSEP2944.E2	04-NOV-2009	10:22:02.932
EGOI_091104MSEP2973.E2	04-NOV-2009	11:59:48.051
EGOI_091104MSEP2986.E2	04-NOV-2009	13:42:17.183
EGOI_091104MSEP3009.E2	04-NOV-2009	21:32:30.576
EGOI_091104MSEP3041.E2	04-NOV-2009	23:08:44.672
EGOI_091104SGEP0978.E2	04-NOV-2009	02:06:49.387
EGOI_091104SGEP0985.E2	04-NOV-2009	03:43:18.474
EGOI_091104SGEP0992.E2	04-NOV-2009	14:42:49.059
EGOI_091104SGEP0997.E2	04-NOV-2009	16:20:55.663

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### 1.3 - List of data gaps

Station	Orbit	Date	Start Time	Stop Time	Duration (s)
KS	76022	03-NOV-2009	23:54:12.979	23:55:47.076	94.097000
KS	76026	04-NOV-2009	06:45:47.762	06:47:40.610	112.84800
KS	76027	04-NOV-2009	08:25:08.748	08:27:38.222	149.47400
KS	76028	04-NOV-2009	10:04:46.382	10:07:19.338	152.95600
KS	76029	04-NOV-2009	11:44:16.442	11:46:52.472	156.03000
KS	76030	04-NOV-2009	13:23:21.043	13:25:51.579	150.53600
KS	76031	04-NOV-2009	15:01:53.274	15:04:34.187	160.91300
KS	76032	04-NOV-2009	16:39:29.826	16:42:06.292	156.46600
KS	76033	04-NOV-2009	18:17:23.791	18:20:06.891	163.10000
KS	76034	04-NOV-2009	19:56:28.502	19:58:43.503	135.00100
KS	76035	04-NOV-2009	21:37:22.778	21:39:33.618	130.84000
KS	76036	04-NOV-2009	23:20:51.561	23:22:32.757	101.19600

GS	76023	04-NOV-2009	01:26:24.286	01:28:47.648	143.36200
GS	76024	04-NOV-2009	03:04:06.643	03:06:04.747	118.10400
GS	76025	04-NOV-2009	04:46:55.599	04:48:41.381	105.78200
MS	76028	04-NOV-2009	10:19:26.527	10:22:02.932	156.40500
MS	76029	04-NOV-2009	11:57:09.628	11:59:48.050	158.42200
MS	76036	04-NOV-2009	23:06:23.805	23:08:44.672	140.86700
MA	76027	04-NOV-2009	08:33:56.120	08:35:38.274	102.15400
MA	76028	04-NOV-2009	10:12:51.137	10:14:44.889	113.75200
MI	76024	04-NOV-2009	02:59:31.186	03:01:52.720	141.53400
MI	76025	04-NOV-2009	04:40:18.294	04:42:35.342	137.04800
MI	76031	04-NOV-2009	15:19:45.350	15:22:08.793	143.44300
MI	76032	04-NOV-2009	16:59:25.608	17:01:52.913	147.30500
BE	76023	04-NOV-2009	01:51:29.316	01:54:13.307	163.99100
BE	76024	04-NOV-2009	03:30:11.454	03:32:48.412	156.95800
SG	76023	04-NOV-2009	02:05:04.774	02:06:49.386	104.61200
SG	76023	04-NOV-2009	02:11:22.413	02:12:46.616	84.203000
SG	76024	04-NOV-2009	03:41:07.599	03:43:18.474	130.87500
SG	76024	04-NOV-2009	03:45:37.989	03:54:53.507	555.51800
SG	76030	04-NOV-2009	14:37:30.285	14:42:49.059	318.77400
SG	76031	04-NOV-2009	16:16:37.876	16:20:55.662	257.78600

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#### 1.4 - List of missing products

Station	Orbit	Date	Start Time	Stop Time	Duration (s)
HO	76022	04-NOV-2009	00:32:01.441	00:46:32.322	870.88100
MM	76022	04-NOV-2009	00:43:51.557	00:54:39.320	647.76300
MM	76023	04-NOV-2009	02:26:21.075	02:35:00.481	519.40600
MM	76024	04-NOV-2009	04:09:26.265	04:15:51.180	384.91500
CM	76024	04-NOV-2009	03:00:07.114	03:09:18.138	551.02400
MM	76025	04-NOV-2009	05:51:54.731	05:57:50.268	355.53700
CM	76025	04-NOV-2009	06:18:27.338	06:30:09.919	702.58100
MM	76026	04-NOV-2009	07:33:04.715	07:40:52.396	467.68100
JO	76026	04-NOV-2009	07:11:43.853	07:24:42.469	778.61600
MM	76027	04-NOV-2009	09:13:33.450	09:23:39.803	606.35300
JO	76027	04-NOV-2009	08:50:02.296	09:04:29.541	867.24500
HO	76028	04-NOV-2009	11:05:10.970	11:13:57.525	526.55500

MM	76028	04-NOV-2009	10:53:43.972	11:05:29.733	705.76100
HO	76029	04-NOV-2009	12:42:26.071	12:57:09.793	883.72200
MM	76029	04-NOV-2009	12:33:41.024	12:46:15.332	754.30800
MA	76029	04-NOV-2009	11:55:05.036	11:59:33.745	268.70900
HO	76030	04-NOV-2009	14:22:22.823	14:34:55.516	752.69300
MM	76030	04-NOV-2009	14:13:23.643	14:26:07.267	763.62400
BE	76031	04-NOV-2009	14:47:07.889	14:59:56.524	768.63500
MM	76031	04-NOV-2009	15:52:50.071	16:05:25.670	755.59900
GS	76031	04-NOV-2009	15:13:37.425	15:26:57.035	799.61000
CM	76031	04-NOV-2009	15:23:40.966	15:32:56.105	555.13900
MM	76032	04-NOV-2009	17:32:02.111	17:44:33.837	751.72600
GS	76032	04-NOV-2009	16:53:05.869	17:06:06.502	780.63300
CM	76032	04-NOV-2009	17:01:46.928	17:13:23.497	696.56900
MM	76033	04-NOV-2009	19:11:10.969	19:23:49.759	758.79000
JO	76033	04-NOV-2009	19:31:47.022	19:43:41.442	714.42000
MM	76034	04-NOV-2009	20:50:37.633	21:03:21.356	763.72300
MA	76034	04-NOV-2009	19:49:48.547	20:02:37.440	768.89300
JO	76034	04-NOV-2009	21:09:51.556	21:24:36.545	884.98900
HO	76035	04-NOV-2009	22:23:26.252	22:35:22.556	716.30400
MM	76035	04-NOV-2009	22:30:45.320	22:43:08.911	743.59100
MA	76035	04-NOV-2009	21:28:58.310	21:42:02.385	784.07500

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## 1.5 - List of corrupted products

Station	Orbit	Time
KS	76036	23:22:38.758

## 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

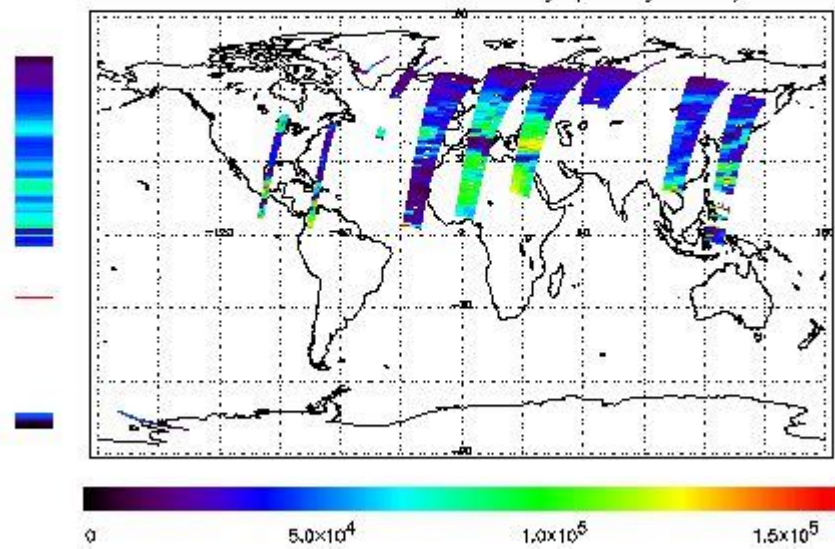
## 2.2 - Daily Plots

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-NOV-2009 23:40:10.982 : ORBIT : 76022.0170  
 Last Product : 04-NOV-2009 23:32:47.818 : ORBIT : 76036.2579  
 Total Products Processed : 15248 Day : 308 Page : 21

778 nm Uncalibrated Intensity (Binary Units)



### Ozone Line Ratio

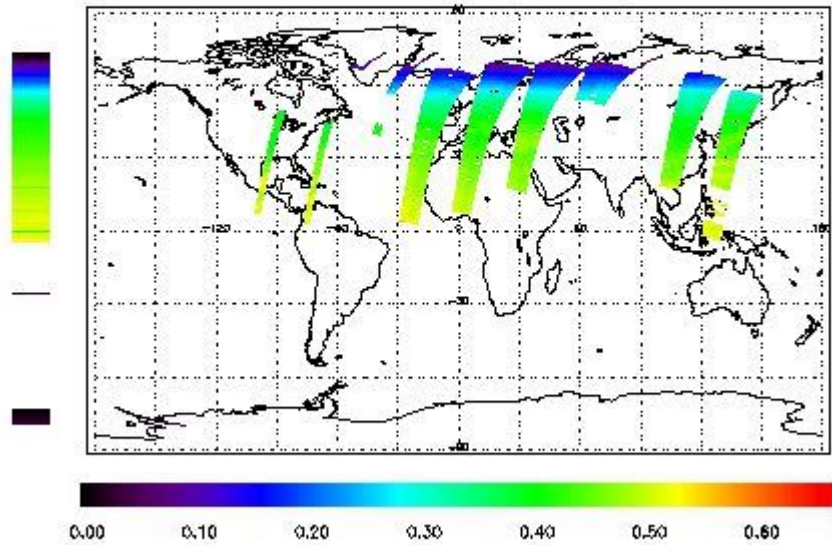
First Product : 03-NOV-2009 23:40:10.982 : ORBIT : 76022.0170

Last Product : 04-NOV-2009 23:32:47.818 : ORBIT : 76036.2579

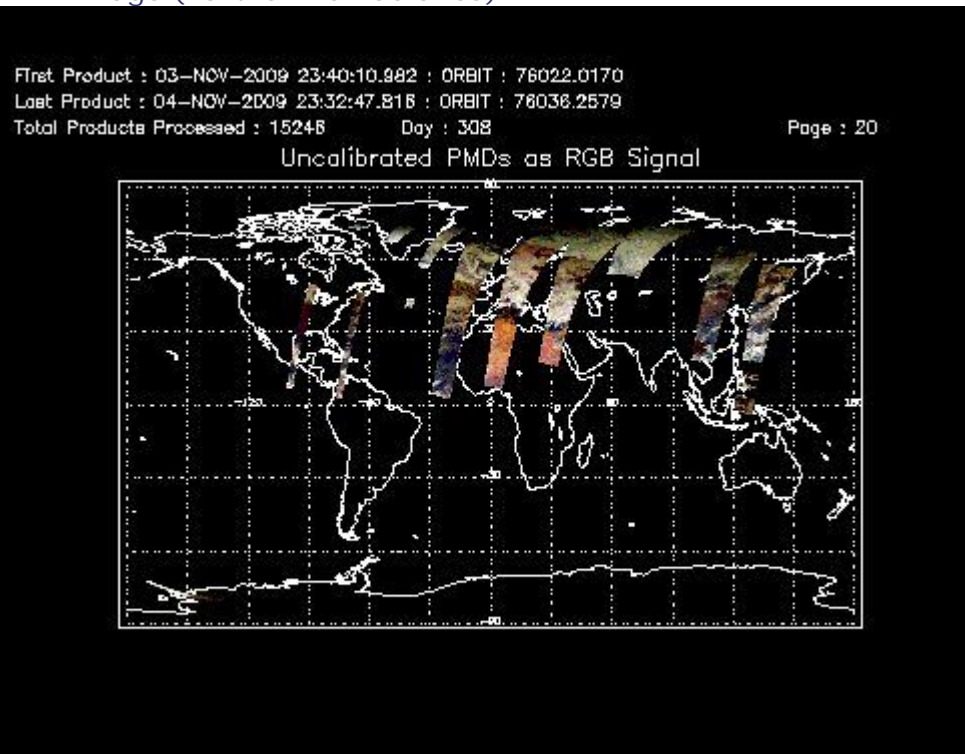
Total Products Processed : 15248 Day : 308

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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	11:51:01.490	--	76029	Yes	--	15529

#### 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
19:58:44	20:06:23	76034	76034	No Start

### 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	--	76030	--

## 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