

# GOME Daily Report

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## 1 - General Info

### 1.1 - Report Summary

Item	Value
Report Version	GOMEver3_3
Report of Day	09-JAN-2011
Start Time of First Product	00:36:00
Stop Time of Last Product	22:47:19
Number of EGOI Products analysed	22
Number of corrupted products	--
Anomalies and/or Special Operations	Nominal Data

### 1.2 - List of received products

Name	Date	Time
EGOI_110109GSEP3143.E2	09-JAN-2011	02:21:12.926
EGOI_110109GSEP3173.E2	09-JAN-2011	04:01:12.045
EGOI_110109GSEP3181.E2	09-JAN-2011	05:43:41.178
EGOI_110109KSEP3924.E2	09-JAN-2011	07:41:46.407
EGOI_110109KSEP3948.E2	09-JAN-2011	09:21:47.025
EGOI_110109KSEP3972.E2	09-JAN-2011	11:01:25.144
EGOI_110109KSEP3996.E2	09-JAN-2011	12:40:42.260
EGOI_110109KSEP4006.E2	09-JAN-2011	14:19:36.869
EGOI_110109KSEP4021.E2	09-JAN-2011	15:57:23.981

EGOI_110109KSEP4049.E2	09-JAN-2011	17:35:20.081
EGOI_110109KSEP4081.E2	09-JAN-2011	19:13:10.189
EGOI_110109KSEP4112.E2	09-JAN-2011	20:53:03.306
EGOI_110109KSEP4139.E2	09-JAN-2011	22:35:09.941
EGOI_110109MAEP1751.E2	09-JAN-2011	09:29:32.072
EGOI_110109MAEP1760.E2	09-JAN-2011	11:09:05.691
EGOI_110109MSEP2936.E2	09-JAN-2011	00:36:00.275
EGOI_110109MSEP2957.E2	09-JAN-2011	11:14:32.728
EGOI_110109MSEP2982.E2	09-JAN-2011	12:54:30.343
EGOI_110109MSEP3015.E2	09-JAN-2011	22:23:35.366
EGOI_110109SGEP0751.E2	09-JAN-2011	04:38:25.772
EGOI_110109SGEP0756.E2	09-JAN-2011	13:57:23.232
EGOI_110109SGEP0761.E2	09-JAN-2011	15:39:07.363

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### 1.3 - List of data gaps

Station	Orbit	Date	Start Time	Stop Time	Duration (s)
KS	82196	09-JAN-2011	07:39:39.031	07:41:46.406	127.37500
KS	82197	09-JAN-2011	09:19:13.656	09:21:47.024	153.36800
KS	82198	09-JAN-2011	10:58:49.288	11:01:25.144	155.85600
KS	82199	09-JAN-2011	12:38:07.945	12:40:42.260	154.31500
KS	82200	09-JAN-2011	14:16:58.794	14:19:36.868	158.07400
KS	82201	09-JAN-2011	15:54:48.261	15:57:23.981	155.72000
KS	82202	09-JAN-2011	17:32:42.985	17:35:20.081	157.09600
KS	82203	09-JAN-2011	19:10:59.562	19:13:10.189	130.62700
KS	82204	09-JAN-2011	20:50:59.153	20:53:03.305	124.15200
KS	82205	09-JAN-2011	22:33:09.669	22:35:09.940	120.27100
GS	82193	09-JAN-2011	02:19:53.496	02:21:12.926	79.430000
GS	82194	09-JAN-2011	03:59:04.244	04:01:12.045	127.80100
MS	82192	09-JAN-2011	00:34:04.811	00:36:00.274	115.46300
MS	82198	09-JAN-2011	11:11:53.487	11:14:32.728	159.24100
MS	82199	09-JAN-2011	12:51:59.857	12:54:30.343	150.48600
MS	82205	09-JAN-2011	22:21:42.517	22:23:35.366	112.84900
MA	82197	09-JAN-2011	09:27:21.837	09:29:32.071	130.23400
MA	82198	09-JAN-2011	11:07:53.208	11:09:05.691	72.483000
SG	82194	09-JAN-2011	04:36:30.703	04:38:25.771	115.06800
SG	82194	09-JAN-2011	04:41:03.286	04:47:01.989	358.70300

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### 1.4 - List of missing products

Station	Orbit	Date	Start Time	Stop Time	Duration (s)
HO	82191	08-JAN-2011	23:46:41.148	00:01:06.909	865.76100
MM	82191	08-JAN-2011	23:57:20.933	00:08:52.223	691.29000
HO	82192	09-JAN-2011	01:27:36.483	01:39:37.589	721.10600
MM	82192	09-JAN-2011	01:39:22.867	01:49:05.590	582.72300
GS	82192	09-JAN-2011	00:43:25.574	00:51:35.804	490.23000
BE	82193	09-JAN-2011	02:44:42.661	02:58:01.418	798.75700
MM	82193	09-JAN-2011	03:22:17.929	03:29:39.570	441.64100
MI	82193	09-JAN-2011	02:15:51.662	02:25:58.085	606.42300
SG	82193	09-JAN-2011	02:56:04.402	03:09:18.752	794.35000
CM	82193	09-JAN-2011	03:52:10.773	04:04:29.724	738.95100
BE	82194	09-JAN-2011	04:24:50.999	04:35:38.350	647.35100
MM	82194	09-JAN-2011	05:05:13.937	05:11:01.993	348.05600
MI	82194	09-JAN-2011	03:53:18.518	04:06:21.639	783.12100
MM	82195	09-JAN-2011	06:46:57.543	06:53:43.505	405.96200
KS	82195	09-JAN-2011	06:00:56.057	06:06:04.013	307.95600
CM	82195	09-JAN-2011	05:35:14.636	05:40:19.320	304.68400
JO	82195	09-JAN-2011	06:29:27.687	06:37:19.849	472.16200
MM	82196	09-JAN-2011	08:27:40.464	08:36:46.101	545.63700
JO	82196	09-JAN-2011	08:04:21.443	08:19:19.694	898.25100
MM	82197	09-JAN-2011	10:07:58.038	10:19:04.737	666.69900
JO	82197	09-JAN-2011	09:46:18.587	09:56:38.899	620.31200
HO	82198	09-JAN-2011	11:57:24.819	12:10:38.137	793.31800
MM	82198	09-JAN-2011	11:48:01.192	12:00:19.209	738.01700
HO	82199	09-JAN-2011	13:36:22.915	13:50:57.622	874.70700
MM	82199	09-JAN-2011	13:27:50.651	13:40:33.621	762.97000
BE	82200	09-JAN-2011	14:01:18.842	14:14:42.898	804.05600
HO	82200	09-JAN-2011	15:17:38.212	15:25:29.831	471.61900
MM	82200	09-JAN-2011	15:07:24.622	15:20:04.483	759.86100
MI	82200	09-JAN-2011	14:36:13.808	14:44:29.670	495.86200
GS	82200	09-JAN-2011	14:28:54.357	14:39:54.515	660.15800
BE	82201	09-JAN-2011	15:43:23.804	15:52:33.440	549.63600
MM	82201	09-JAN-2011	16:46:42.499	16:59:14.566	752.06700
MI	82201	09-JAN-2011	16:13:18.838	16:26:35.051	796.21300
GS	82201	09-JAN-2011	16:07:25.546	16:21:19.628	834.08200
CM	82201	09-JAN-2011	16:16:07.374	16:28:28.681	741.30700

MM	82202	09-JAN-2011	18:25:50.730	18:38:25.368	754.63800
MI	82202	09-JAN-2011	17:57:47.009	17:58:53.167	66.158000
GS	82202	09-JAN-2011	17:47:47.677	17:58:01.923	614.24600
CM	82202	09-JAN-2011	17:58:21.429	18:03:46.810	325.38100
MM	82203	09-JAN-2011	20:05:06.265	20:17:49.397	763.13200
MA	82203	09-JAN-2011	19:08:33.315	19:15:54.623	441.30800
JO	82203	09-JAN-2011	20:24:28.116	20:39:17.291	889.17500
MM	82204	09-JAN-2011	21:44:52.556	21:57:29.907	757.35100
MA	82204	09-JAN-2011	20:42:54.086	20:56:36.208	822.12200
JO	82204	09-JAN-2011	22:04:47.373	22:16:43.868	716.49500
HO	82205	09-JAN-2011	23:15:43.075	23:29:47.271	844.19600
MM	82205	09-JAN-2011	23:25:30.401	23:37:25.224	714.82300
MA	82205	09-JAN-2011	22:26:36.305	22:34:29.670	473.36500

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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	Polar View operated
Polarization Detectors	OK
FPA Temperatures A	OK
FPA Temperatures B	OK
Charge Amp Temperatures	OK
Other Temperatures A	OK
DDHU Temperatures	OK
Optical Bench Temperatures	OK
Other Temperatures B	OK

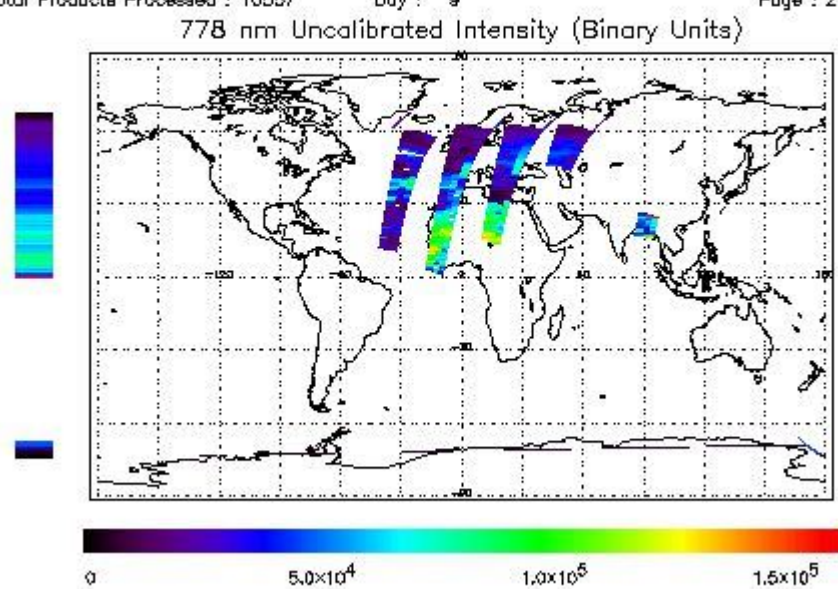
Calibration Lamp and Instr. Status 3	OK
Scan Mirror and Motor Current	OK
Selected Temperature A	OK
Selected Temperature B	OK
Selected Temperature C	OK
Channel 1 Summation	OK
Channel 2 Summation	OK
Channel 4 Summation	OK
Log Pages	OK
331/338 nm Uncal. Line Ratio	OK
Uncal. PMDs as RGB signal	OK
780 nm 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](#)

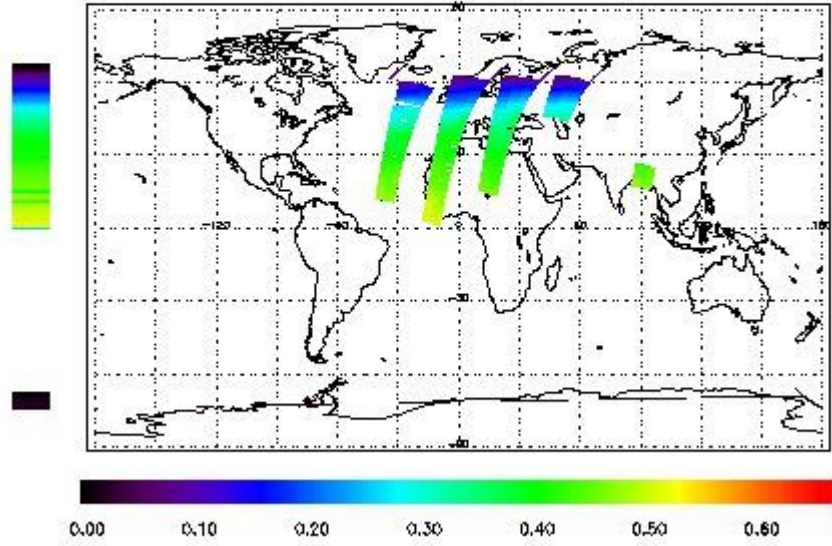
### NEAR IR Intensity

First Product : 09-JAN-2011 00:36:00.275 : ORBIT : 82192.0291  
 Last Product : 09-JAN-2011 22:47:19.019 : ORBIT : 82205.2629  
 Total Products Processed : 10557 Day : 9 Page : 21

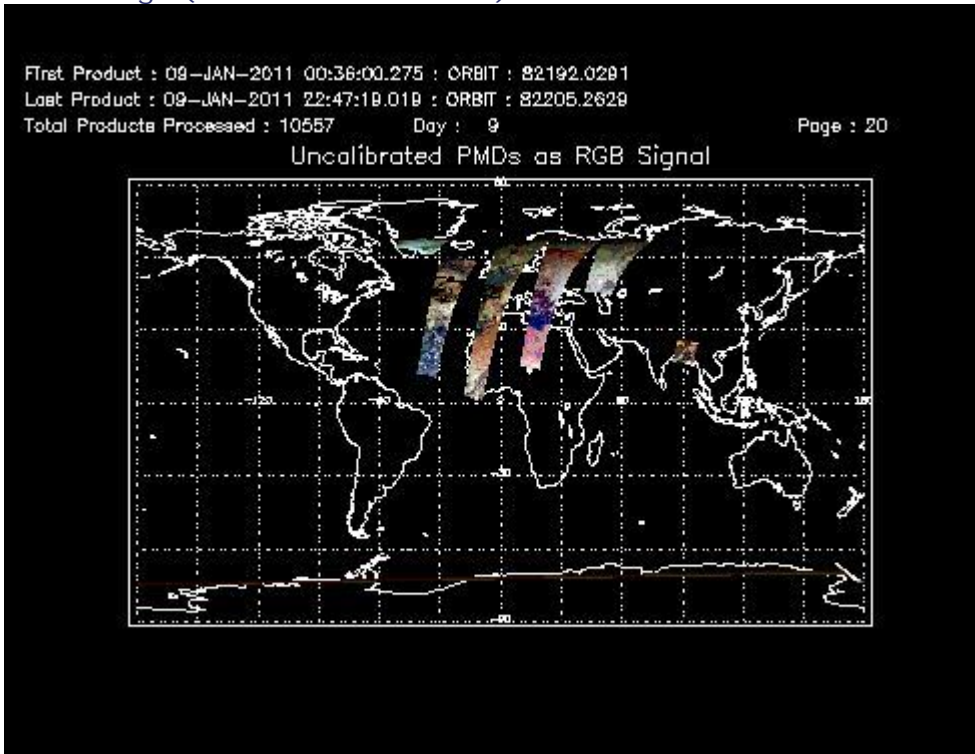


### Ozone Line Ratio

First Product : 09-JAN-2011 00:36:00.275 : ORBIT : 82192.0291  
 Last Product : 09-JAN-2011 22:47:19.019 : ORBIT : 82205.2629  
 Total Products Processed : 10557 Day : 9 Page : 20  
 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	12:47:40.799	82199	Yes	--	15763	

#### 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
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### 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
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## 5.6 - Seasonal Operations

Start Time	End Time	Start Orbit	End Orbit
01:00 05-Sep	--	80388	--

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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