

# GOME Daily Report

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## 1 - General Info

### 1.1 - Report Summary

Item	Value
Report Version	GOMEver3_3
Report of Day	30-JAN-2011
Start Time of First Product	23:51:21 (29-Jan)
Stop Time of Last Product	23:27:09
Number of EGOI Products analysed	35
Number of corrupted products	--
Anomalies and/or Special Operations	Nominal Data

### 1.2 - List of received products

Name	Date	Time
EGOI_110130CMEP3630.E2	30-JAN-2011	02:56:02.962
EGOI_110130CMEP3638.E2	30-JAN-2011	04:35:59.077
EGOI_110130CMEP3647.E2	30-JAN-2011	15:19:39.046
EGOI_110130CMEP3655.E2	30-JAN-2011	16:57:41.155
EGOI_110130GSEP4697.E2	30-JAN-2011	01:22:57.886
EGOI_110130GSEP4729.E2	30-JAN-2011	03:00:22.489
EGOI_110130GSEP4756.E2	30-JAN-2011	04:42:44.116
EGOI_110130GSEP4762.E2	30-JAN-2011	06:24:40.247
EGOI_110130KSEP9038.E2	29-JAN-2011	23:51:21.321

EGOI_110130KSEP9050.E2	30-JAN-2011	06:42:02.856
EGOI_110130KSEP9069.E2	30-JAN-2011	08:21:58.971
EGOI_110130KSEP9092.E2	30-JAN-2011	10:01:38.582
EGOI_110130KSEP9122.E2	30-JAN-2011	11:41:10.697
EGOI_110130KSEP9134.E2	30-JAN-2011	13:20:15.813
EGOI_110130KSEP9154.E2	30-JAN-2011	14:58:56.917
EGOI_110130KSEP9165.E2	30-JAN-2011	16:41:02.049
EGOI_110130KSEP9193.E2	30-JAN-2011	18:14:32.625
EGOI_110130KSEP9224.E2	30-JAN-2011	19:53:01.733
EGOI_110130KSEP9254.E2	30-JAN-2011	21:33:42.850
EGOI_110130KSEP9271.E2	30-JAN-2011	23:17:56.997
EGOI_110130MAEP2360.E2	30-JAN-2011	08:30:33.518
EGOI_110130MAEP2372.E2	30-JAN-2011	10:09:07.129
EGOI_110130MIEP1735.E2	30-JAN-2011	02:56:23.966
EGOI_110130MIEP1761.E2	30-JAN-2011	04:36:41.077
EGOI_110130MIEP1787.E2	30-JAN-2011	15:16:39.030
EGOI_110130MIEP1815.E2	30-JAN-2011	16:56:03.643
EGOI_110130MSEP5365.E2	30-JAN-2011	10:16:38.676
EGOI_110130MSEP5395.E2	30-JAN-2011	11:54:09.281
EGOI_110130MSEP5416.E2	30-JAN-2011	13:36:09.908
EGOI_110130MSEP5437.E2	30-JAN-2011	21:27:29.315
EGOI_110130MSEP5464.E2	30-JAN-2011	23:02:47.903
EGOI_110130SGEP1124.E2	30-JAN-2011	02:03:44.637
EGOI_110130SGEP1130.E2	30-JAN-2011	03:38:12.220
EGOI_110130SGEP1137.E2	30-JAN-2011	14:35:17.772
EGOI_110130SGEP1144.E2	30-JAN-2011	16:13:51.380

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### 1.3 - List of data gaps

Station	Orbit	Date	Start Time	Stop Time	Duration (s)
KS	82496	30-JAN-2011	06:40:08.956	06:42:02.856	113.90000
KS	82497	30-JAN-2011	08:19:27.323	08:21:58.970	151.64700
KS	82498	30-JAN-2011	09:59:04.849	10:01:38.582	153.73300
KS	82499	30-JAN-2011	11:38:35.798	11:41:10.696	154.89800
KS	82500	30-JAN-2011	13:17:42.388	13:20:15.813	153.42500
KS	82501	30-JAN-2011	14:56:18.665	14:58:56.917	158.25200
KS	82502	30-JAN-2011	16:33:56.002	16:41:02.048	426.04600
KS	82503	30-JAN-2011	18:11:46.611	18:14:32.624	166.01300
KS	82504	30-JAN-2011	19:50:46.203	19:53:01.732	135.52900
KS	82505	30-JAN-2011	21:31:33.209	21:33:42.850	129.64100
KS	82506	30-JAN-2011	23:14:51.150	23:17:56.997	185.84700
GS	82493	30-JAN-2011	01:20:57.678	01:22:57.886	120.20800

GS	82494	30-JAN-2011	02:58:24.575	03:00:22.488	117.91300
GS	82495	30-JAN-2011	04:40:49.142	04:42:44.116	114.97400
MS	82498	30-JAN-2011	10:14:00.796	10:16:38.676	157.88000
MS	82499	30-JAN-2011	11:51:27.500	11:54:09.281	161.78100
MS	82506	30-JAN-2011	23:00:44.421	23:02:47.902	123.48100
MA	82497	30-JAN-2011	08:28:21.460	08:30:33.518	132.05800
MA	82498	30-JAN-2011	10:07:08.312	10:09:07.129	118.81700
MI	82494	30-JAN-2011	02:53:58.187	02:56:23.965	145.77800
MI	82495	30-JAN-2011	04:34:18.598	04:36:41.077	142.47900
MI	82501	30-JAN-2011	15:14:12.353	15:16:39.030	146.67700
MI	82502	30-JAN-2011	16:53:36.223	16:56:03.643	147.42000
SG	82494	30-JAN-2011	03:35:25.384	03:38:12.219	166.83500
SG	82500	30-JAN-2011	14:32:04.161	14:35:17.772	193.61100
SG	82501	30-JAN-2011	16:10:46.516	16:13:51.379	184.86300
CM	82494	30-JAN-2011	02:54:50.712	02:56:02.962	72.250000
CM	82501	30-JAN-2011	15:18:21.656	15:19:39.045	77.389000
CM	82502	30-JAN-2011	16:56:00.558	16:57:41.155	100.59700

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#### 1.4 - List of missing products

Station	Orbit	Date	Start Time	Stop Time	Duration (s)
HO	82492	30-JAN-2011	00:26:14.534	00:40:52.436	877.90200
MM	82492	30-JAN-2011	00:38:01.977	00:48:55.774	653.79700
BE	82493	30-JAN-2011	01:45:58.004	01:56:45.764	647.76000
MM	82493	30-JAN-2011	02:20:28.259	02:29:15.853	527.59400
BE	82494	30-JAN-2011	03:24:28.807	03:37:42.076	793.26900
MM	82494	30-JAN-2011	04:03:32.959	04:10:04.037	391.07800
MM	82495	30-JAN-2011	05:46:05.679	05:51:58.279	352.60000
MM	82496	30-JAN-2011	07:27:19.339	07:34:58.864	459.52500
JO	82496	30-JAN-2011	07:06:18.732	07:18:53.030	754.29800
MM	82497	30-JAN-2011	09:07:49.543	09:17:48.738	599.19500
JO	82497	30-JAN-2011	08:44:15.559	08:58:53.514	877.95500
MM	82498	30-JAN-2011	10:48:00.882	10:59:42.367	701.48500
MM	82499	30-JAN-2011	12:27:58.708	12:40:31.472	752.76400
MA	82499	30-JAN-2011	11:48:56.297	11:54:34.572	338.27500
HO	82500	30-JAN-2011	14:16:36.883	14:29:24.323	767.44000

MM	82500	30-JAN-2011	14:07:42.204	14:20:25.995	763.79100
SG	82500	30-JAN-2011	14:32:04.161	14:43:51.539	707.37800
BE	82501	30-JAN-2011	14:41:20.453	14:54:19.238	778.78500
MM	82501	30-JAN-2011	15:47:09.573	15:59:45.681	756.10800
GS	82501	30-JAN-2011	15:07:59.747	15:21:08.563	788.81600
MM	82502	30-JAN-2011	17:26:22.238	17:38:53.859	751.62100
GS	82502	30-JAN-2011	16:47:22.318	17:00:33.619	791.30100
MM	82503	30-JAN-2011	19:05:30.787	19:18:09.032	758.24500
JO	82503	30-JAN-2011	19:26:22.094	19:37:40.453	678.35900
MM	82504	30-JAN-2011	20:44:55.782	20:57:39.676	763.89400
MA	82504	30-JAN-2011	19:44:18.179	19:56:44.566	746.38700
JO	82504	30-JAN-2011	21:04:08.739	21:19:00.574	891.83500
HO	82505	30-JAN-2011	22:18:01.541	22:29:37.368	695.82700
MM	82505	30-JAN-2011	22:25:00.577	22:37:26.376	745.79900
MA	82505	30-JAN-2011	21:23:11.243	21:36:21.206	789.96300
JO	82505	30-JAN-2011	22:46:48.378	22:53:00.621	372.24300
HO	82506	30-JAN-2011	23:55:08.670	00:09:38.962	870.29200

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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

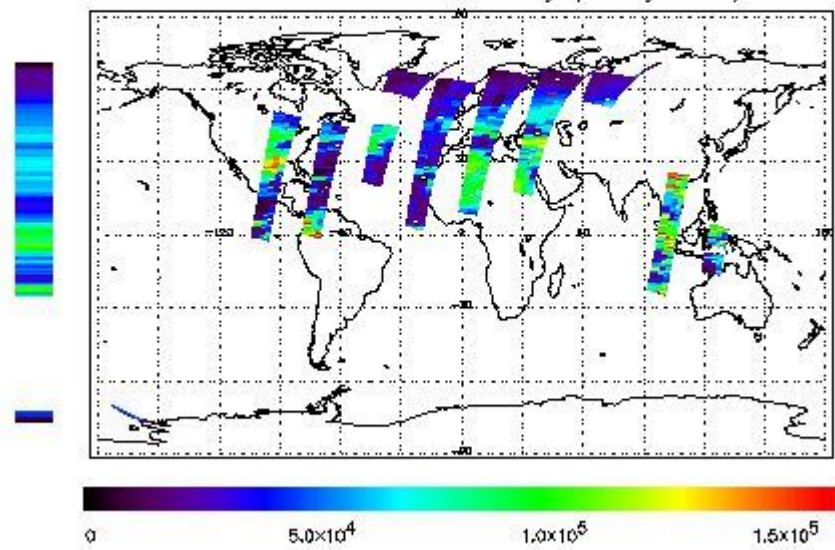
## 2.2 - Daily Plots

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

Fret Product : 29-JAN-2011 23:51:21.321 : ORBIT : 82492.1852  
 Last Product : 30-JAN-2011 23:27:09.051 : ORBIT : 82506.2589  
 Total Products Processed : 16092 Day : 30 Page : 21

778 nm Uncalibrated Intensity (Binary Units)

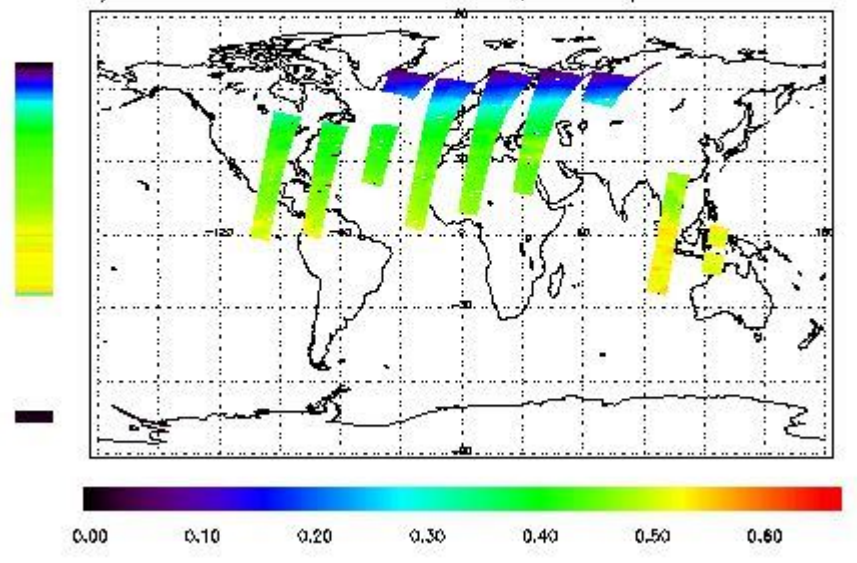


### Ozone Line Ratio

First Product : 29-JAN-2011 23:51:21.321 : ORBIT : 82492.1852  
Last Product : 30-JAN-2011 23:27:09.051 : ORBIT : 82506.2589  
Total Products Processed : 18092 Day : 30

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331/313 nm Uncalibrated Line Ratio, SZA Dependence Removed

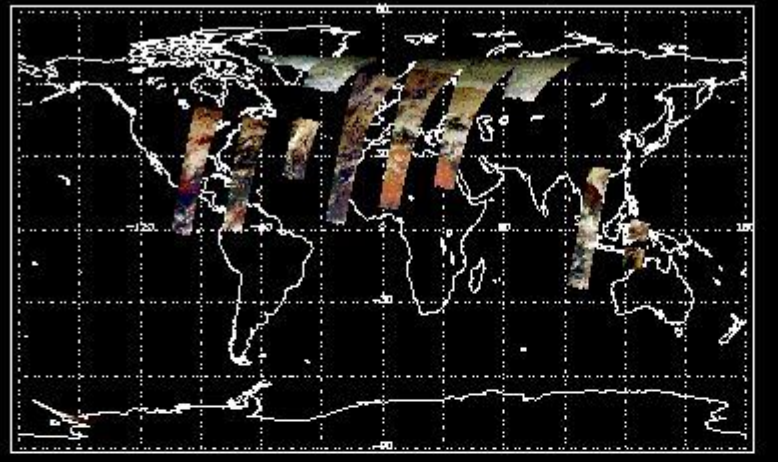


PMD Image (Earthshine Radiance)

First Product : 29-JAN-2011 23:51:21.321 : ORBIT : 82492.1852  
Last Product : 30-JAN-2011 23:27:09.051 : ORBIT : 82506.2589  
Total Products Processed : 18092 Day : 30

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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	11:45:57.224	--	82499	Yes	--	14511

#### 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

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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