

# GOME Daily Report

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## 1 - General Info

### 1.1 - Report Summary

Item	Value
Report Version	GOMEver3_3
Report of Day	19-DEC_2010
Start Time of First Product	23:54:44 (18-Dec)
Stop Time of Last Product	23:47:00
Number of EGOI Products analysed	28
Number of corrupted products	--
Anomalies and/or Special Operations	Nominal Data

### 1.2 - List of received products

Name	Date	Time
EGOI_101219CMEP2749.E2	19-DEC-2010	15:43:34.946
EGOI_101219CMEP2758.E2	19-DEC-2010	17:17:49.036
EGOI_101219GSEP1669.E2	19-DEC-2010	01:41:59.712
EGOI_101219HLEP8789.E2	19-DEC-2010	14:39:25.547
EGOI_101219KSEP8897.E2	19-DEC-2010	07:01:55.693
EGOI_101219KSEP8916.E2	19-DEC-2010	08:41:56.332
EGOI_101219KSEP8941.E2	19-DEC-2010	10:21:35.953
EGOI_101219KSEP8963.E2	19-DEC-2010	12:01:06.565
EGOI_101219KSEP8979.E2	19-DEC-2010	13:40:02.685

EGOI_101219KSEP9004.E2	19-DEC-2010	15:18:42.293
EGOI_101219KSEP9018.E2	19-DEC-2010	16:56:06.902
EGOI_101219KSEP9047.E2	19-DEC-2010	18:34:04.485
EGOI_101219KSEP9078.E2	19-DEC-2010	20:12:53.118
EGOI_101219KSEP9106.E2	19-DEC-2010	21:54:01.250
EGOI_101219KSEP9130.E2	19-DEC-2010	23:37:36.389
EGOI_101219MAEP0946.E2	19-DEC-2010	08:49:27.863
EGOI_101219MAEP0961.E2	19-DEC-2010	10:29:04.482
EGOI_101219MAEP0983.E2	19-DEC-2010	20:06:18.577
EGOI_101219MIEP8284.E2	19-DEC-2010	15:36:07.899
EGOI_101219MIEP8311.E2	19-DEC-2010	17:16:31.028
EGOI_101219MSEP0506.E2	18-DEC-2010	23:54:44.050
EGOI_101219MSEP0528.E2	19-DEC-2010	10:35:46.536
EGOI_101219MSEP0557.E2	19-DEC-2010	12:14:14.152
EGOI_101219MSEP0585.E2	19-DEC-2010	21:45:52.199
EGOI_101219MSEP0617.E2	19-DEC-2010	23:22:58.799
EGOI_101219SGEP0249.E2	19-DEC-2010	02:20:11.947
EGOI_101219SGEP0257.E2	19-DEC-2010	14:55:48.152
EGOI_101219SGEP0264.E2	19-DEC-2010	16:34:24.765

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### 1.3 - List of data gaps

Station	Orbit	Date	Start Time	Stop Time	Duration (s)
KS	81895	19-DEC-2010	06:59:56.240	07:01:55.692	119.45200
KS	81896	19-DEC-2010	08:39:22.484	08:41:56.332	153.84800
KS	81897	19-DEC-2010	10:19:00.106	10:21:35.952	155.84600
KS	81898	19-DEC-2010	11:58:27.689	12:01:06.564	158.87500
KS	81899	19-DEC-2010	13:37:27.035	13:40:02.685	155.65000
KS	81900	19-DEC-2010	15:15:45.519	15:18:42.293	176.77400
KS	81901	19-DEC-2010	16:53:24.458	16:56:06.902	162.44400
KS	81902	19-DEC-2010	18:31:27.763	18:34:04.485	156.72200
KS	81903	19-DEC-2010	20:10:45.835	20:12:53.117	127.28200
KS	81904	19-DEC-2010	21:51:58.869	21:54:01.250	122.38100
KS	81905	19-DEC-2010	23:35:56.767	23:37:36.388	99.621000
GS	81892	19-DEC-2010	01:40:05.196	01:41:59.712	114.51600
MS	81891	18-DEC-2010	23:52:23.175	23:54:44.050	140.87500
MS	81897	19-DEC-2010	10:33:07.044	10:35:46.536	159.49200
MS	81898	19-DEC-2010	12:11:30.018	12:14:14.151	164.13300
MS	81905	19-DEC-2010	23:20:37.435	23:22:58.799	141.36400
MA	81896	19-DEC-2010	08:47:50.090	08:49:27.862	97.772000

MA	81897	19-DEC-2010	10:27:01.877	10:29:04.481	122.60400
MA	81903	19-DEC-2010	20:03:38.755	20:06:18.576	159.82100
MI	81900	19-DEC-2010	15:33:42.905	15:36:07.898	144.99300
MI	81901	19-DEC-2010	17:14:05.274	17:16:31.027	145.75300
SG	81892	19-DEC-2010	02:18:02.263	02:20:11.947	129.68400
SG	81899	19-DEC-2010	14:51:13.875	14:55:48.152	274.27700
SG	81900	19-DEC-2010	16:31:25.165	16:34:24.764	179.59900
CM	81900	19-DEC-2010	15:37:12.912	15:43:34.946	382.03400
CM	81901	19-DEC-2010	17:16:18.726	17:17:49.036	90.310000

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#### 1.4 - List of missing products

Station	Orbit	Date	Start Time	Stop Time	Duration (s)
HO	81891	19-DEC-2010	00:46:36.606	01:00:36.380	839.77400
MM	81891	19-DEC-2010	00:58:26.437	01:08:58.401	631.96400
KS	81891	19-DEC-2010	00:09:39.764	00:14:06.321	266.55700
BE	81892	19-DEC-2010	02:05:22.707	02:17:27.974	725.26700
MM	81892	19-DEC-2010	02:41:03.674	02:49:22.450	498.77600
BE	81893	19-DEC-2010	03:44:30.010	03:57:14.135	764.12500
MM	81893	19-DEC-2010	04:24:08.953	04:30:20.076	371.12300
MI	81893	19-DEC-2010	03:13:29.456	03:26:45.305	795.84900
GS	81893	19-DEC-2010	03:18:25.735	03:32:09.935	824.20000
SG	81893	19-DEC-2010	03:55:28.580	04:08:51.432	802.85200
CM	81893	19-DEC-2010	03:13:31.520	03:24:03.358	631.83800
CM	81893	19-DEC-2010	04:52:28.906	05:03:21.852	652.94600
MM	81894	19-DEC-2010	06:06:26.114	06:12:31.249	365.13500
MI	81894	19-DEC-2010	04:55:32.517	05:03:52.185	499.66800
MM	81895	19-DEC-2010	07:47:27.634	07:55:35.916	488.28200
JO	81895	19-DEC-2010	07:25:23.459	07:39:11.748	828.28900
MM	81896	19-DEC-2010	09:27:52.987	09:38:16.600	623.61300
JO	81896	19-DEC-2010	09:04:35.004	09:18:25.465	830.46100
HO	81897	19-DEC-2010	11:18:38.843	11:28:55.495	616.65200
MM	81897	19-DEC-2010	11:08:01.517	11:19:57.218	715.70100
HO	81898	19-DEC-2010	12:56:33.150	13:11:22.587	889.43700
MM	81898	19-DEC-2010	12:47:56.612	13:00:34.212	757.60000
HO	81899	19-DEC-2010	14:36:49.155	14:48:20.783	691.62800

MM	81899	19-DEC-2010	14:27:37.011	14:40:19.976	762.96500
SG	81899	19-DEC-2010	14:51:13.875	15:04:18.531	784.65600
BE	81900	19-DEC-2010	15:01:41.928	15:13:56.695	734.76700
MM	81900	19-DEC-2010	16:07:01.105	16:19:35.516	754.41100
GS	81900	19-DEC-2010	15:27:43.662	15:41:23.724	820.06200
MM	81901	19-DEC-2010	17:46:11.744	17:58:43.917	752.17300
GS	81901	19-DEC-2010	17:07:26.118	17:19:54.855	748.73700
MM	81902	19-DEC-2010	19:25:21.696	19:38:01.818	760.12200
JO	81902	19-DEC-2010	19:45:27.844	19:58:33.731	785.88700
MM	81903	19-DEC-2010	21:04:52.871	21:17:35.791	762.92000
JO	81903	19-DEC-2010	21:24:11.635	21:38:31.367	859.73200
HO	81904	19-DEC-2010	22:37:02.667	22:49:42.879	760.21200
MM	81904	19-DEC-2010	22:45:08.039	22:57:25.452	737.41300
MA	81904	19-DEC-2010	21:43:49.480	21:56:01.371	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	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

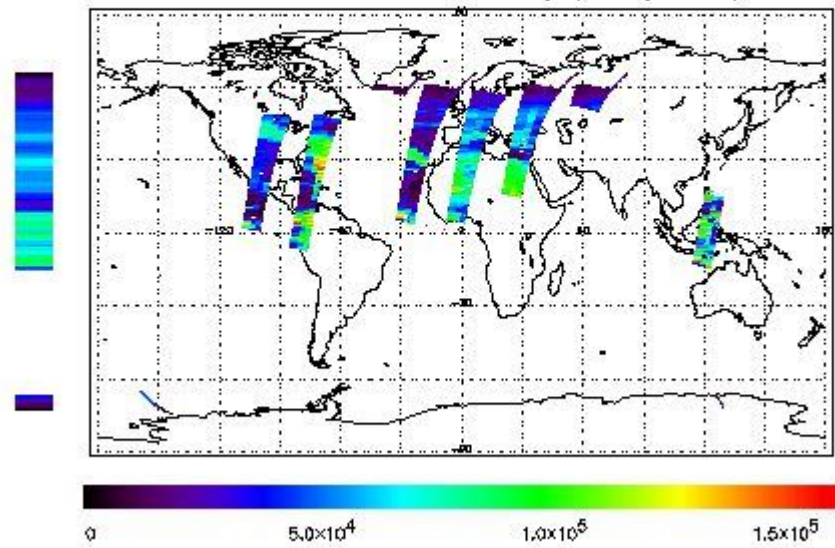
## 2.2 - Daily Plots

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 : 18-DEC-2010 23:54:44.050 : ORBIT : 81891.0188  
 Last Product : 19-DEC-2010 23:47:00.451 : ORBIT : 81905.2563  
 Total Products Processed : 13589 Day : 353 Page : 21

778 nm Uncalibrated Intensity (Binary Units)



### Ozone Line Ratio

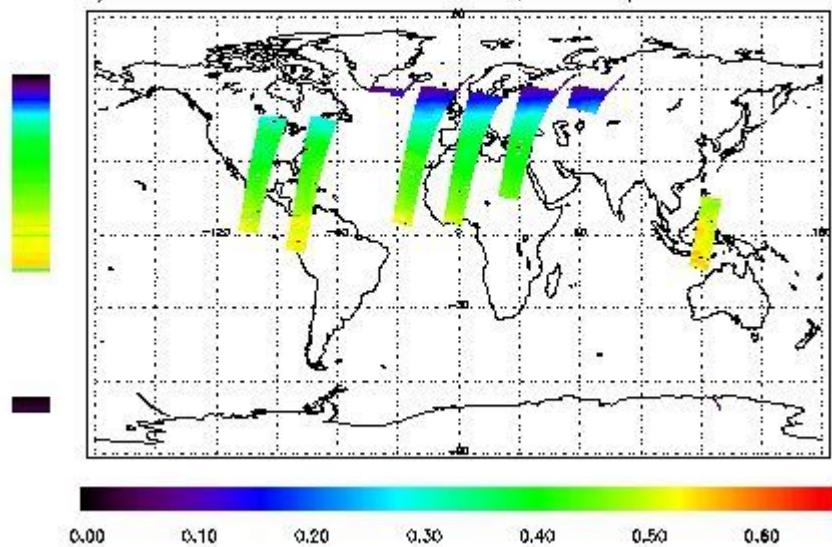
First Product : 18-DEC-2010 23:54:44.050 : ORBIT : 81891.0188

Last Product : 19-DEC-2010 23:47:00.451 : ORBIT : 81905.2563

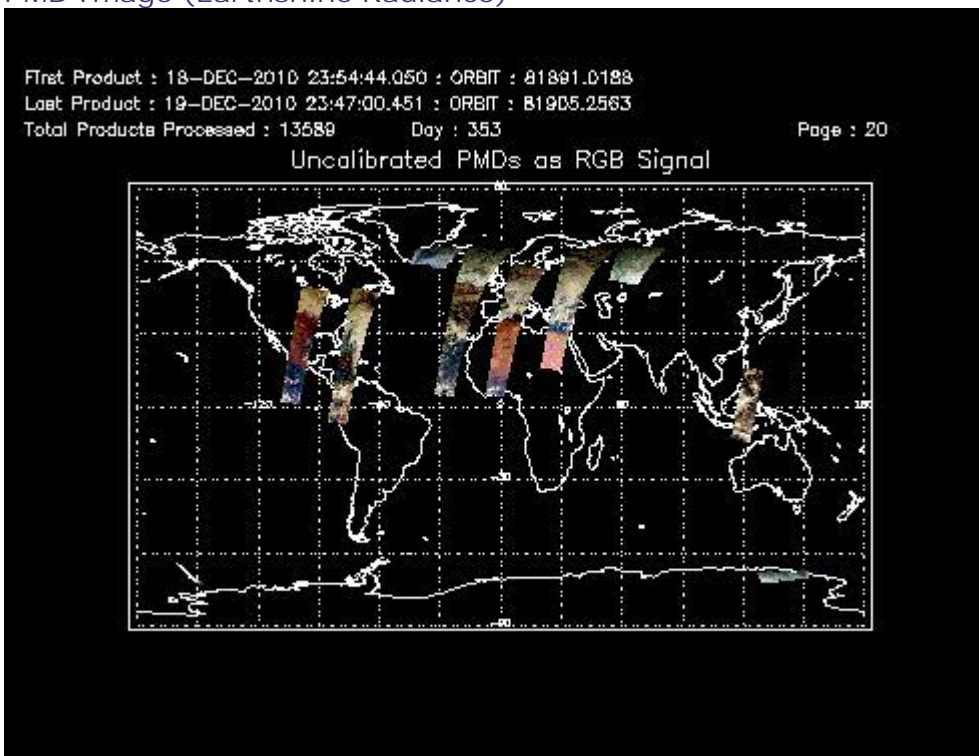
Total Products Processed : 13589 Day : 353

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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	10:27:11.987	--	81898	Yes	--	15782

#### 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