

# GOME Daily Report

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## 1 - General Info

### 1.1 - Report Summary

Item	Value
Report Version	GOMEver3_3
Report of Day	27-DEC-2010
Start Time of First Product	23:57:38 (26-Dec)
Stop Time of Last Product	22:55:53
Number of EGOI Products analysed	37
Number of corrupted products	--
Anomalies and/or Special Operations	Nominal Data

### 1.2 - List of received products

Name	Date	Time
EGOI_101227CMEP2949.E2	27-DEC-2010	04:05:09.760
EGOI_101227CMEP2956.E2	27-DEC-2010	14:54:04.779
EGOI_101227CMEP2960.E2	27-DEC-2010	16:26:08.352
EGOI_101227CMEP2971.E2	27-DEC-2010	18:08:28.488
EGOI_101227GSEP2133.E2	27-DEC-2010	00:53:01.074
EGOI_101227GSEP2163.E2	27-DEC-2010	02:29:16.673
EGOI_101227GSEP2188.E2	27-DEC-2010	04:09:59.295
EGOI_101227GSEP2195.E2	27-DEC-2010	05:52:26.928
EGOI_101227HLEP8913.E2	26-DEC-2010	23:57:38.231

EGOI_101227HLEP8921.E2	27-DEC-2010	01:38:53.856
EGOI_101227HLEP8934.E2	27-DEC-2010	15:28:49.996
EGOI_101227HLEP8942.E2	27-DEC-2010	23:26:40.962
EGOI_101227KSEP0741.E2	27-DEC-2010	06:10:39.036
EGOI_101227KSEP0768.E2	27-DEC-2010	07:50:42.664
EGOI_101227KSEP0790.E2	27-DEC-2010	09:30:19.279
EGOI_101227KSEP0820.E2	27-DEC-2010	11:09:57.395
EGOI_101227KSEP0849.E2	27-DEC-2010	12:49:11.511
EGOI_101227KSEP0876.E2	27-DEC-2010	14:28:04.622
EGOI_101227KSEP0889.E2	27-DEC-2010	16:05:48.727
EGOI_101227KSEP0915.E2	27-DEC-2010	17:43:44.835
EGOI_101227KSEP0946.E2	27-DEC-2010	19:21:39.447
EGOI_101227KSEP0977.E2	27-DEC-2010	21:01:44.564
EGOI_101227KSEP1004.E2	27-DEC-2010	22:44:13.704
EGOI_101227MAEP1246.E2	27-DEC-2010	09:38:02.822
EGOI_101227MAEP1261.E2	27-DEC-2010	22:36:36.157
EGOI_101227MIEP8947.E2	27-DEC-2010	02:26:15.153
EGOI_101227MIEP8968.E2	27-DEC-2010	04:05:08.260
EGOI_101227MIEP8985.E2	27-DEC-2010	14:46:34.736
EGOI_101227MIEP9012.E2	27-DEC-2010	16:24:17.341
EGOI_101227MSEP1414.E2	27-DEC-2010	00:45:14.527
EGOI_101227MSEP1433.E2	27-DEC-2010	11:23:01.978
EGOI_101227MSEP1458.E2	27-DEC-2010	13:03:23.598
EGOI_101227MSEP1488.E2	27-DEC-2010	22:32:07.625
EGOI_101227SGEP0428.E2	27-DEC-2010	03:07:21.400
EGOI_101227SGEP0434.E2	27-DEC-2010	04:47:40.023
EGOI_101227SGEP0441.E2	27-DEC-2010	14:04:58.481
EGOI_101227SGEP0447.E2	27-DEC-2010	15:41:47.078

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### 1.3 - List of data gaps

Station	Orbit	Date	Start Time	Stop Time	Duration (s)
KS	82009	27-DEC-2010	06:09:15.844	06:10:39.035	83.191000
KS	82010	27-DEC-2010	07:48:10.487	07:50:42.664	152.17700
KS	82011	27-DEC-2010	09:27:46.092	09:30:19.279	153.18700
KS	82012	27-DEC-2010	11:07:20.946	11:09:57.395	156.44900
KS	82013	27-DEC-2010	12:46:37.288	12:49:11.511	154.22300
KS	82014	27-DEC-2010	14:25:25.330	14:28:04.621	159.29100
KS	82015	27-DEC-2010	16:03:10.635	16:05:48.726	158.09100
KS	82016	27-DEC-2010	17:41:05.865	17:43:44.835	158.97000
KS	82017	27-DEC-2010	19:19:29.652	19:21:39.447	129.79500
KS	82018	27-DEC-2010	20:59:38.903	21:01:44.564	125.66100

KS	82019	27-DEC-2010	22:42:02.863	22:44:13.704	130.84100
GS	82006	27-DEC-2010	00:51:22.215	00:53:01.073	98.858000
GS	82007	27-DEC-2010	02:28:06.784	02:29:16.672	69.888000
GS	82008	27-DEC-2010	04:07:54.217	04:09:59.294	125.07700
MS	82006	27-DEC-2010	00:43:20.776	00:45:14.527	113.75100
MS	82012	27-DEC-2010	11:20:20.142	11:23:01.977	161.83500
MS	82013	27-DEC-2010	13:00:48.428	13:03:23.597	155.16900
MS	82019	27-DEC-2010	22:29:59.132	22:32:07.624	128.49200
MA	82011	27-DEC-2010	09:35:51.191	09:38:02.822	131.63100
MI	82007	27-DEC-2010	02:23:53.902	02:26:15.153	141.25100
MI	82008	27-DEC-2010	04:01:58.831	04:05:08.259	189.42800
MI	82014	27-DEC-2010	14:44:10.848	14:46:34.736	143.88800
MI	82015	27-DEC-2010	16:21:53.211	16:24:17.340	144.12900
SG	82007	27-DEC-2010	03:04:24.981	03:07:21.400	176.41900
SG	82007	27-DEC-2010	03:14:49.945	03:17:57.737	187.79200
SG	82008	27-DEC-2010	04:45:33.366	04:47:40.022	126.65600
SG	82013	27-DEC-2010	14:03:05.243	14:04:58.481	113.23800
SG	82014	27-DEC-2010	15:39:01.306	15:41:47.077	165.77100
CM	82015	27-DEC-2010	16:24:35.741	16:26:08.351	92.610000

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#### 1.4 - List of missing products

Station	Orbit	Date	Start Time	Stop Time	Duration (s)
HO	82005	26-DEC-2010	23:55:08.670	00:09:38.962	870.29200
MM	82005	27-DEC-2010	00:06:03.120	00:17:27.087	683.96700
HO	82006	27-DEC-2010	01:36:27.765	01:47:54.312	686.54700
MM	82006	27-DEC-2010	01:48:10.468	01:57:41.789	571.32100
BE	82007	27-DEC-2010	02:53:12.077	03:06:35.700	803.62300
MM	82007	27-DEC-2010	03:31:08.407	03:38:18.376	429.96900
CM	82007	27-DEC-2010	04:00:37.638	04:13:02.218	744.58000
BE	82008	27-DEC-2010	04:33:34.077	04:43:43.944	609.86700
MM	82008	27-DEC-2010	05:14:00.533	05:19:47.139	346.60600
MM	82009	27-DEC-2010	06:55:37.190	07:02:33.887	416.69700
JO	82009	27-DEC-2010	06:37:08.204	06:46:24.584	556.38000
MM	82010	27-DEC-2010	08:36:16.970	08:45:34.523	557.55300
MA	82010	27-DEC-2010	07:59:07.283	08:07:05.948	478.66500

JO	82010	27-DEC-2010	08:12:49.803	08:27:51.291	901.48800
MM	82011	27-DEC-2010	10:16:33.112	10:27:47.979	674.86700
JO	82011	27-DEC-2010	09:55:33.883	10:04:34.026	540.14300
MM	82012	27-DEC-2010	11:56:35.131	12:08:56.916	741.78500
MA	82012	27-DEC-2010	11:16:39.222	11:25:26.188	526.96600
MM	82013	27-DEC-2010	13:36:23.342	13:49:06.821	763.47900
SG	82013	27-DEC-2010	14:03:05.243	14:10:40.585	455.34200
BE	82014	27-DEC-2010	14:09:49.230	14:23:14.127	804.89700
MM	82014	27-DEC-2010	15:15:55.901	15:28:34.965	759.06400
GS	82014	27-DEC-2010	14:37:13.497	14:48:09.176	655.67900
BE	82015	27-DEC-2010	15:52:36.331	16:00:37.299	480.96800
MM	82015	27-DEC-2010	16:55:12.557	17:07:44.357	751.80000
GS	82015	27-DEC-2010	16:15:57.960	16:29:47.524	829.56400
MM	82016	27-DEC-2010	18:34:20.604	18:46:55.952	755.34800
GS	82016	27-DEC-2010	17:56:30.025	18:06:04.746	574.72100
MM	82017	27-DEC-2010	20:13:37.833	20:26:21.375	763.54200
MA	82017	27-DEC-2010	19:16:24.882	19:24:43.809	498.92700
JO	82017	27-DEC-2010	20:32:55.331	20:47:52.656	897.32500
HO	82018	27-DEC-2010	21:48:52.717	21:57:36.764	524.04700
MM	82018	27-DEC-2010	21:53:27.821	22:06:03.244	755.42300
MA	82018	27-DEC-2010	20:51:24.563	21:05:07.304	822.74100
HO	82019	27-DEC-2010	23:24:07.232	23:38:20.656	853.42400
MM	82019	27-DEC-2010	23:34:10.812	23:45:59.732	708.92000

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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

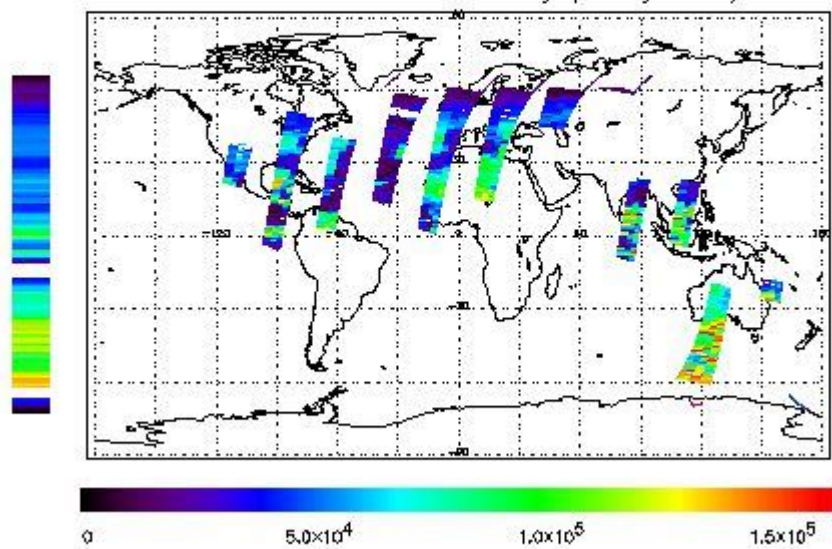
## 2.2 - Daily Plots

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 : 26-DEC-2010 23:57:38.231 : ORBIT : 82005.5620  
 Last Product : 27-DEC-2010 22:55:52.774 : ORBIT : 82019.2623  
 Total Products Processed : 18418 Day : 361 Page : 21

778 nm Uncalibrated Intensity (Binary Units)



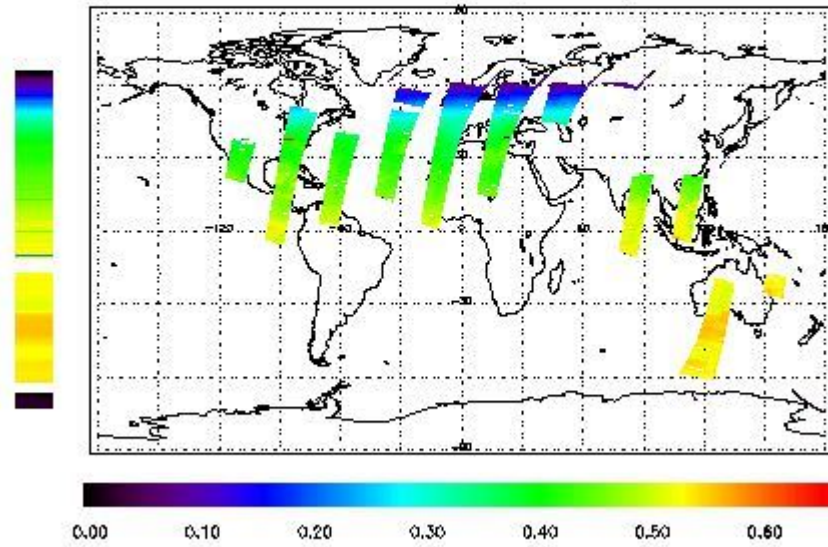
### Ozone Line Ratio



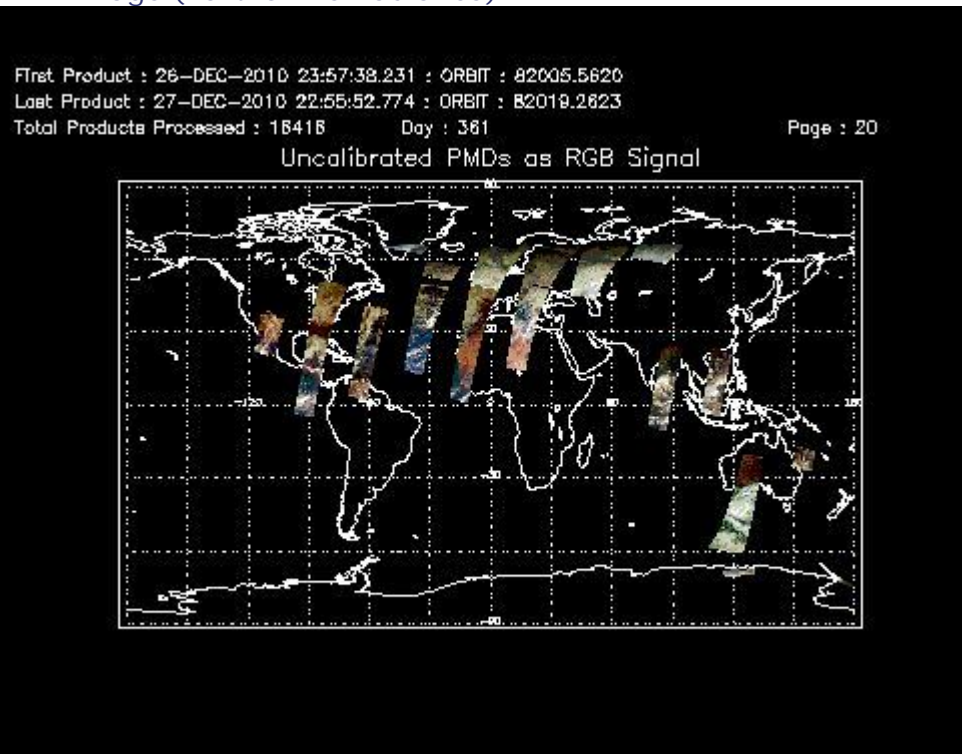
First Product : 26-DEC-2010 23:57:38.231 : ORBIT : 82005.5620  
 Last Product : 27-DEC-2010 22:55:52.774 : ORBIT : 82019.2623  
 Total Products Processed : 18418 Day : 381

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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	12:56:37.054	--	82013	Yes	--	15733

#### 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