

# GOME Daily Report

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## 1 - General Info

### 1.1 - Report Summary

Item	Value
Report Version	GOMEver3_3
Report of Day	06-FEB-2010
Start Time of First Product	23:50:10 (05-Feb)
Stop Time of Last Product	23:31:16
Number of EGOI Products analysed	33
Number of corrupted products	--
Anomalies and/or Special Operations	Nominal Data

### 1.2 - List of received products

Name	Date	Time
EGOI_100206GSEP9080.E2	06-FEB-2010	02:12:09.284
EGOI_100206GSEP9110.E2	06-FEB-2010	03:52:03.895
EGOI_100206GSEP9118.E2	06-FEB-2010	05:34:36.033
EGOI_100206KSEP2078.E2	06-FEB-2010	07:32:53.262
EGOI_100206KSEP2100.E2	06-FEB-2010	09:12:52.381
EGOI_100206KSEP2125.E2	06-FEB-2010	10:52:31.997
EGOI_100206KSEP2157.E2	06-FEB-2010	12:31:50.609
EGOI_100206KSEP2174.E2	06-FEB-2010	14:10:48.225
EGOI_100206KSEP2204.E2	06-FEB-2010	15:48:42.825

EGOI_100206KSEP2236.E2	06-FEB-2010	17:26:35.929
EGOI_100206KSEP2272.E2	06-FEB-2010	19:04:27.533
EGOI_100206KSEP2306.E2	06-FEB-2010	20:44:04.149
EGOI_100206KSEP2336.E2	06-FEB-2010	22:26:01.785
EGOI_100206MAEP8589.E2	06-FEB-2010	09:20:47.928
EGOI_100206MAEP8598.E2	06-FEB-2010	11:00:06.540
EGOI_100206MAEP8617.E2	06-FEB-2010	22:18:03.234
EGOI_100206MIEP2435.E2	06-FEB-2010	02:09:55.769
EGOI_100206MIEP2462.E2	06-FEB-2010	03:46:47.364
EGOI_100206MIEP2482.E2	06-FEB-2010	14:30:21.342
EGOI_100206MIEP2508.E2	06-FEB-2010	16:06:53.435
EGOI_100206MIEP2525.E2	06-FEB-2010	17:49:19.570
EGOI_100206MMEP3267.E2	05-FEB-2010	23:50:09.902
EGOI_100206MMEP3277.E2	06-FEB-2010	04:56:55.295
EGOI_100206MMEP3286.E2	06-FEB-2010	08:20:02.551
EGOI_100206MMEP3293.E2	06-FEB-2010	10:00:36.175
EGOI_100206MMEP3302.E2	06-FEB-2010	13:20:34.406
EGOI_100206MMEP3313.E2	06-FEB-2010	19:58:23.367
EGOI_100206MMEP3322.E2	06-FEB-2010	21:38:40.488
EGOI_100206MMEP3330.E2	06-FEB-2010	23:18:12.599
EGOI_100206MSEP4015.E2	06-FEB-2010	00:26:40.129
EGOI_100206MSEP4038.E2	06-FEB-2010	11:05:45.579
EGOI_100206MSEP4065.E2	06-FEB-2010	12:45:31.191
EGOI_100206MSEP4095.E2	06-FEB-2010	22:15:13.719

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### 1.3 - List of data gaps

Station	Orbit	Date	Start Time	Stop Time	Duration (s)
KS	77372	06-FEB-2010	07:31:07.813	07:32:53.261	105.44800
KS	77373	06-FEB-2010	09:10:41.217	09:12:52.380	131.16300
KS	77374	06-FEB-2010	10:50:17.506	10:52:31.996	134.49000
KS	77375	06-FEB-2010	12:29:38.332	12:31:50.609	132.27700
KS	77376	06-FEB-2010	14:08:31.234	14:10:48.224	136.99000
KS	77377	06-FEB-2010	15:46:25.765	15:48:42.824	137.05900
KS	77378	06-FEB-2010	17:24:18.516	17:26:35.929	137.41300
KS	77379	06-FEB-2010	19:02:30.153	19:04:27.533	117.38000
KS	77380	06-FEB-2010	20:42:20.351	20:44:04.148	103.79700
KS	77381	06-FEB-2010	22:24:17.860	22:26:01.785	103.92500
GS	77369	06-FEB-2010	02:10:39.721	02:12:09.283	89.562000
GS	77370	06-FEB-2010	03:50:17.158	03:52:03.895	106.73700
MS	77368	06-FEB-2010	00:24:58.333	00:26:40.128	101.79500

MS	77374	06-FEB-2010	11:03:28.051	11:05:45.579	137.52800
MS	77375	06-FEB-2010	12:43:10.565	12:45:31.190	140.62500
MS	77381	06-FEB-2010	22:13:29.081	22:15:13.718	104.63700
MS	77382	06-FEB-2010	23:52:23.173	23:54:21.822	118.64900
MA	77373	06-FEB-2010	09:19:00.979	09:20:47.928	106.94900
MA	77374	06-FEB-2010	10:58:49.004	11:00:06.540	77.536000
MI	77369	06-FEB-2010	02:07:55.231	02:09:55.768	120.53700
MI	77370	06-FEB-2010	03:44:41.309	03:46:47.364	126.05500
MI	77376	06-FEB-2010	14:28:29.537	14:30:21.341	111.80400
MI	77377	06-FEB-2010	16:04:46.282	16:06:53.434	127.15200
MI	77378	06-FEB-2010	17:47:23.317	17:49:19.569	116.25200
MM	77367	05-FEB-2010	23:48:39.232	23:50:09.902	90.670000
MM	77373	06-FEB-2010	09:59:22.862	10:00:36.175	73.313000
MM	77375	06-FEB-2010	13:19:17.843	13:20:34.406	76.563000
MM	77379	06-FEB-2010	19:56:34.921	19:58:23.366	108.44500
MM	77380	06-FEB-2010	21:36:17.672	21:38:40.488	142.81600
MM	77381	06-FEB-2010	23:16:50.464	23:18:12.598	82.134000

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#### 1.4 - List of missing products

Station	Orbit	Date	Start Time	Stop Time	Duration (s)
HO	77368	06-FEB-2010	01:18:39.507	01:31:19.390	759.88300
MM	77368	06-FEB-2010	01:30:35.679	01:40:29.528	593.84900
GS	77368	06-FEB-2010	00:35:33.460	00:42:46.613	433.15300
BE	77369	06-FEB-2010	02:36:14.396	02:49:24.767	790.37100
MM	77369	06-FEB-2010	03:13:27.491	03:21:01.095	453.60400
SG	77369	06-FEB-2010	02:47:47.170	03:00:36.549	769.37900
CM	77369	06-FEB-2010	03:43:47.132	03:55:54.805	727.67300
BE	77370	06-FEB-2010	04:16:09.711	04:27:29.567	679.85600
SG	77370	06-FEB-2010	04:27:34.919	04:39:00.062	685.14300
MM	77371	06-FEB-2010	06:38:17.454	06:44:53.260	395.80600
KS	77371	06-FEB-2010	05:52:41.827	05:56:43.246	241.41900
CM	77371	06-FEB-2010	05:25:39.731	05:32:48.299	428.56800
JO	77371	06-FEB-2010	06:22:01.994	06:28:01.964	359.97000
JO	77372	06-FEB-2010	07:55:55.595	08:10:46.584	890.98900
JO	77373	06-FEB-2010	09:37:12.119	09:48:35.833	683.71400

MM	77374	06-FEB-2010	11:39:27.154	11:51:41.053	733.89900
HO	77376	06-FEB-2010	15:08:50.649	15:17:23.736	513.08700
MM	77376	06-FEB-2010	14:58:53.218	15:11:33.849	760.63100
GS	77376	06-FEB-2010	14:20:37.972	14:30:54.262	616.29000
SG	77376	06-FEB-2010	15:21:58.720	15:35:51.289	832.56900
BE	77377	06-FEB-2010	15:34:18.815	15:44:23.439	604.62400
MM	77377	06-FEB-2010	16:38:12.365	16:50:44.788	752.42300
GS	77377	06-FEB-2010	15:58:53.797	16:12:49.830	836.03300
CM	77377	06-FEB-2010	16:07:41.543	16:19:53.178	731.63500
MM	77378	06-FEB-2010	18:17:20.904	18:29:54.887	753.98300
GS	77378	06-FEB-2010	17:39:06.797	17:49:56.266	649.46900
CM	77378	06-FEB-2010	17:49:02.211	17:56:15.842	433.63100
MA	77379	06-FEB-2010	19:00:51.429	19:05:59.761	308.33200
JO	77379	06-FEB-2010	20:16:02.666	20:30:39.248	876.58200
MA	77380	06-FEB-2010	20:34:25.644	20:48:06.171	820.52700
JO	77380	06-FEB-2010	21:56:01.260	22:08:39.124	757.86400
HO	77381	06-FEB-2010	23:07:28.545	23:21:12.867	824.32200

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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

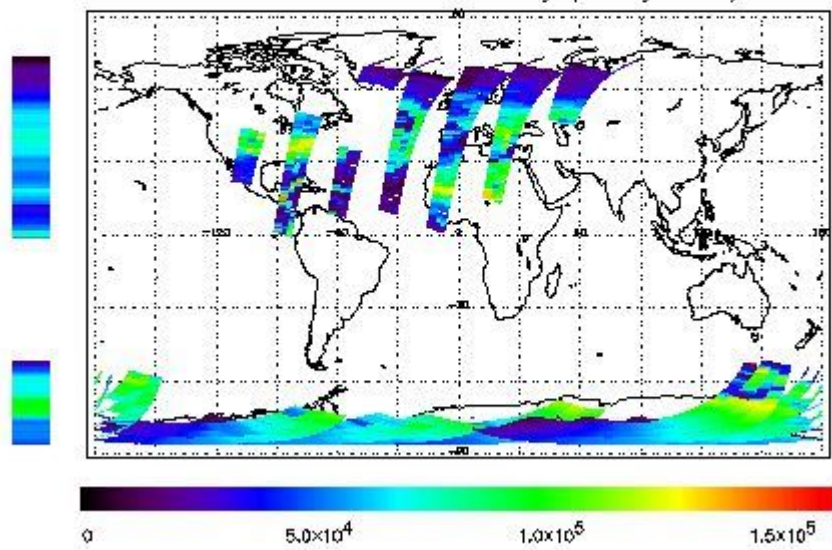
## 2.2 - Daily Plots

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 : 05-FEB-2010 23:50:09.002 : ORBIT : 77367.6591  
 Last Product : 06-FEB-2010 23:31:15.881 : ORBIT : 77381.7855  
 Total Products Processed : 16294 Day : 37 Page : 21

778 nm Uncalibrated Intensity (Binary Units)

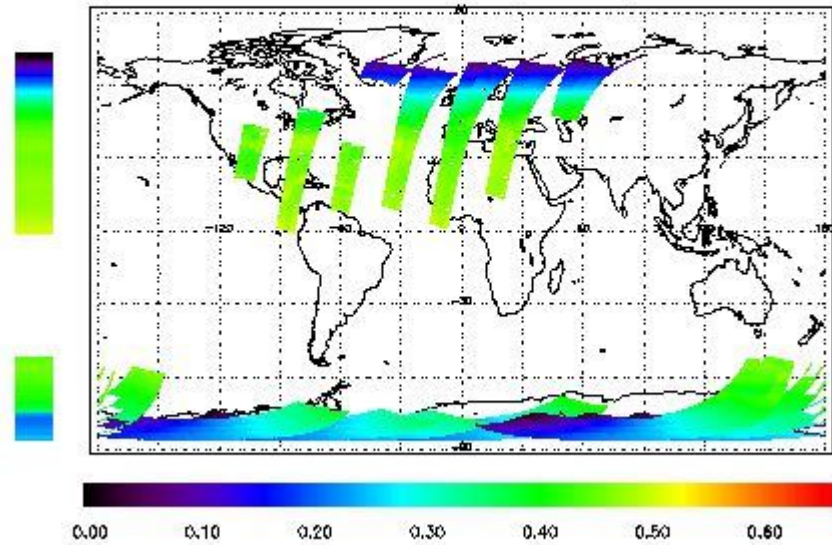


### Ozone Line Ratio

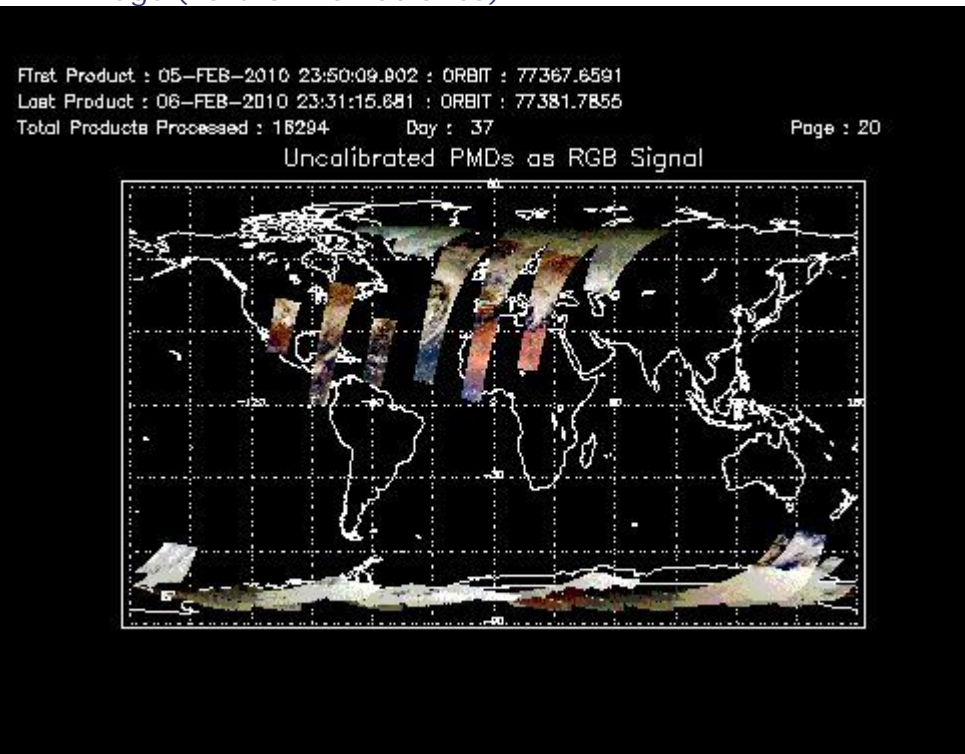
First Product : 05-FEB-2010 23:50:09.002 : ORBIT : 77367.6591  
 Last Product : 06-FEB-2010 23:31:15.681 : ORBIT : 77381.7856  
 Total Products Processed : 18294 Day : 37

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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	12:36:35.636	--	77375	Yes	--	15517

#### 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
--	--	--

### 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
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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