

# GOME Daily Report

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## 1 - General Info

### 1.1 - Report Summary

Item	Value
Report Version	GOMEver3_3
Report of Day	03-FEB-2011
Start Time of First Product	00:51:25
Stop Time of Last Product	23:01:35
Number of EGOI Products analysed	27
Number of corrupted products	--
Anomalies and/or Special Operations	Nominal Data

### 1.2 - List of received products

Name	Date	Time
EGOI_110203CMEP3754.E2	03-FEB-2011	02:32:48.766
EGOI_110203CMEP3761.E2	03-FEB-2011	04:10:56.869
EGOI_110203GSEP5012.E2	03-FEB-2011	00:58:19.698
EGOI_110203GSEP5044.E2	03-FEB-2011	02:34:53.285
EGOI_110203GSEP5074.E2	03-FEB-2011	04:15:49.408
EGOI_110203GSEP5081.E2	03-FEB-2011	05:58:12.541
EGOI_110203KSEP0007.E2	03-FEB-2011	09:36:00.378
EGOI_110203KSEP9635.E2	03-FEB-2011	11:15:36.993
EGOI_110203KSEP9651.E2	03-FEB-2011	12:54:51.108

EGOI_110203KSEP9659.E2	03-FEB-2011	14:33:39.717
EGOI_110203KSEP9671.E2	03-FEB-2011	16:11:22.321
EGOI_110203KSEP9698.E2	03-FEB-2011	17:49:21.422
EGOI_110203KSEP9730.E2	03-FEB-2011	19:27:20.533
EGOI_110203KSEP9761.E2	03-FEB-2011	21:07:28.646
EGOI_110203KSEP9788.E2	03-FEB-2011	22:50:03.777
EGOI_110203KSEP9965.E2	03-FEB-2011	06:16:32.148
EGOI_110203KSEP9985.E2	03-FEB-2011	07:56:22.266
EGOI_110203MAEP2467.E2	03-FEB-2011	08:05:47.814
EGOI_110203MAEP2475.E2	03-FEB-2011	09:44:30.421
EGOI_110203MIEP2151.E2	03-FEB-2011	02:31:42.758
EGOI_110203MIEP2179.E2	03-FEB-2011	04:10:56.869
EGOI_110203MSEP5798.E2	03-FEB-2011	00:51:25.655
EGOI_110203MSEP5820.E2	03-FEB-2011	11:28:43.072
EGOI_110203MSEP5844.E2	03-FEB-2011	13:09:21.196
EGOI_110203MSEP5877.E2	03-FEB-2011	22:37:48.707
EGOI_110203SGEP1232.E2	03-FEB-2011	03:12:58.017
EGOI_110203SGEP1240.E2	03-FEB-2011	04:53:39.132

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### 1.3 - List of data gaps

Station	Orbit	Date	Start Time	Stop Time	Duration (s)
KS	82555	03-FEB-2011	09:33:27.711	09:36:00.377	152.66600
KS	82556	03-FEB-2011	11:13:01.978	11:15:36.992	155.01400
KS	82557	03-FEB-2011	12:52:16.697	12:54:51.108	154.41100
KS	82558	03-FEB-2011	14:31:02.847	14:33:39.717	156.87000
KS	82559	03-FEB-2011	16:08:45.500	16:11:22.320	156.82000
KS	82560	03-FEB-2011	17:46:40.726	17:49:21.421	160.69500
KS	82561	03-FEB-2011	19:25:10.103	19:27:20.533	130.43000
KS	82562	03-FEB-2011	21:05:25.944	21:07:28.645	122.70100
KS	82563	03-FEB-2011	22:47:59.133	22:50:03.777	124.64400
KS	82553	03-FEB-2011	06:14:50.898	06:16:32.148	101.25000
KS	82554	03-FEB-2011	07:53:51.572	07:56:22.265	150.69300
GS	82550	03-FEB-2011	00:56:42.045	00:58:19.698	97.653000
GS	82551	03-FEB-2011	02:32:55.908	02:34:53.284	117.37600
GS	82552	03-FEB-2011	04:13:49.295	04:15:49.407	120.11200
MS	82550	03-FEB-2011	00:49:39.388	00:51:25.654	106.26600
MS	82556	03-FEB-2011	11:25:59.020	11:28:43.072	164.05200
MS	82557	03-FEB-2011	13:06:41.920	13:09:21.195	159.27500
MS	82563	03-FEB-2011	22:35:31.866	22:37:48.706	136.84000

MA	82554	03-FEB-2011	08:03:53.045	08:05:47.813	114.76800
MA	82555	03-FEB-2011	09:41:31.403	09:44:30.421	179.01800
MI	82551	03-FEB-2011	02:29:18.078	02:31:42.757	144.67900
MI	82552	03-FEB-2011	04:07:47.546	04:10:56.868	189.32200
SG	82551	03-FEB-2011	03:10:00.414	03:12:58.016	177.60200
SG	82552	03-FEB-2011	04:51:40.431	04:53:39.131	118.70000

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#### 1.4 - List of missing products

Station	Orbit	Date	Start Time	Stop Time	Duration (s)
HO	82549	03-FEB-2011	00:00:48.431	00:15:19.938	871.50700
MM	82549	03-FEB-2011	00:11:51.517	00:23:10.384	678.86700
HO	82550	03-FEB-2011	01:42:37.569	01:53:25.088	647.51900
MM	82550	03-FEB-2011	01:54:02.425	02:03:26.004	563.57900
BE	82551	03-FEB-2011	02:58:52.290	03:12:17.278	804.98800
MM	82551	03-FEB-2011	03:37:02.058	03:44:04.448	422.39000
BE	82552	03-FEB-2011	04:39:23.983	04:49:05.693	581.71000
MM	82552	03-FEB-2011	05:19:51.234	05:25:37.610	346.37600
MM	82553	03-FEB-2011	07:01:23.394	07:08:27.522	424.12800
JO	82553	03-FEB-2011	06:42:20.450	06:52:23.396	602.94600
MM	82554	03-FEB-2011	08:42:01.219	08:51:26.599	565.38000
JO	82554	03-FEB-2011	08:18:30.102	08:33:31.506	901.40400
MM	82555	03-FEB-2011	10:22:16.439	10:33:36.537	680.09800
JO	82555	03-FEB-2011	10:01:51.197	10:09:44.165	472.96800
HO	82556	03-FEB-2011	12:11:28.340	12:25:18.454	830.11400
MM	82556	03-FEB-2011	12:02:17.701	12:14:41.809	744.10800
MA	82556	03-FEB-2011	11:22:31.645	11:30:54.687	503.04200
HO	82557	03-FEB-2011	13:50:40.345	14:04:56.820	856.47500
MM	82557	03-FEB-2011	13:42:05.073	13:54:48.782	763.70900
SG	82557	03-FEB-2011	14:08:11.229	14:16:52.185	520.95600
BE	82558	03-FEB-2011	14:15:30.739	14:28:54.374	803.63500
MM	82558	03-FEB-2011	15:21:36.687	15:34:15.211	758.52400
MI	82558	03-FEB-2011	14:49:33.393	14:59:44.582	611.18900
GS	82558	03-FEB-2011	14:42:47.502	14:53:37.858	650.35600
SG	82558	03-FEB-2011	15:44:44.653	15:58:24.453	819.80000
BE	82559	03-FEB-2011	15:58:50.568	16:05:54.785	424.21700

MM	82559	03-FEB-2011	17:00:52.557	17:13:24.229	751.67200
MI	82559	03-FEB-2011	16:27:37.158	16:40:33.536	776.37800
GS	82559	03-FEB-2011	16:21:39.929	16:35:25.071	825.14200
CM	82559	03-FEB-2011	16:30:16.007	16:42:40.700	744.69300
MM	82560	03-FEB-2011	18:40:00.553	18:52:36.400	755.84700
GS	82560	03-FEB-2011	18:02:19.248	18:11:24.873	545.62500
JO	82560	03-FEB-2011	19:02:44.845	19:09:46.161	421.31600
MM	82561	03-FEB-2011	20:19:19.013	20:32:02.761	763.74800
MA	82561	03-FEB-2011	19:21:42.940	19:30:34.787	531.84700
JO	82561	03-FEB-2011	20:38:34.397	20:53:34.796	900.39900
HO	82562	03-FEB-2011	21:54:05.966	22:03:28.731	562.76500
MM	82562	03-FEB-2011	21:59:11.550	22:11:45.528	753.97800
MA	82562	03-FEB-2011	20:57:07.790	21:10:47.378	819.58800
JO	82562	03-FEB-2011	22:19:31.595	22:30:01.276	629.68100
HO	82563	03-FEB-2011	23:29:43.054	23:44:02.553	859.49900
MM	82563	03-FEB-2011	23:39:58.019	23:51:42.790	704.77100
MA	82563	03-FEB-2011	22:42:26.299	22:47:40.663	314.36400

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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 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

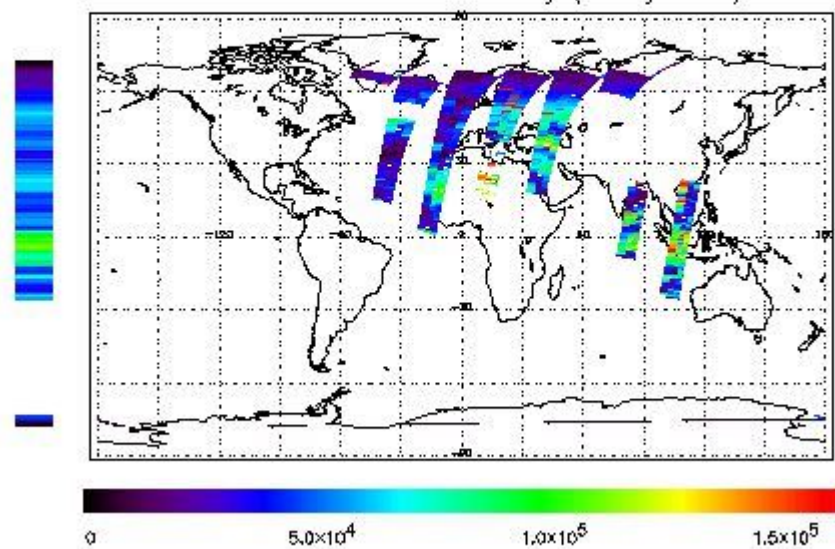
## 2.2 - Daily Plots

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 : 03-FEB-2011 00:51:25.655 : ORBIT : 82550.0395  
 Last Product : 03-FEB-2011 23:01:35.351 : ORBIT : 82563.2620  
 Total Products Processed : 12471 Day : 34 Page : 21

778 nm Uncalibrated Intensity (Binary Units)

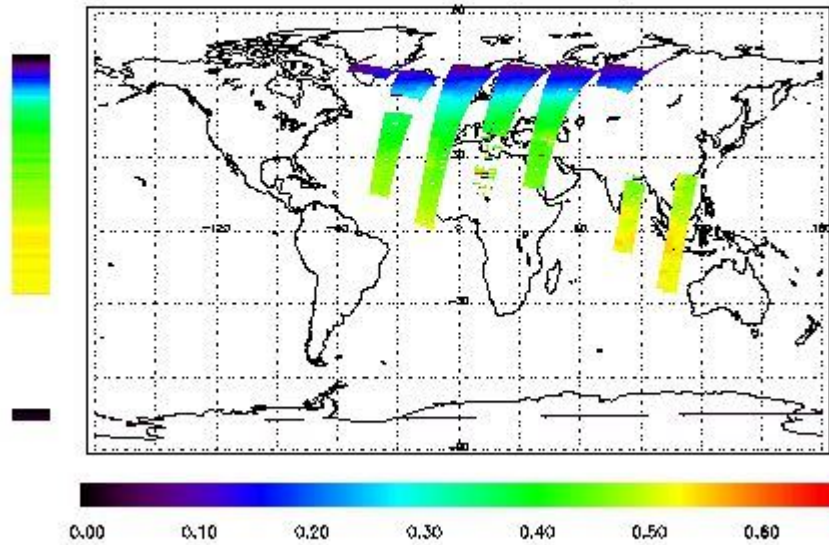


### Ozone Line Ratio

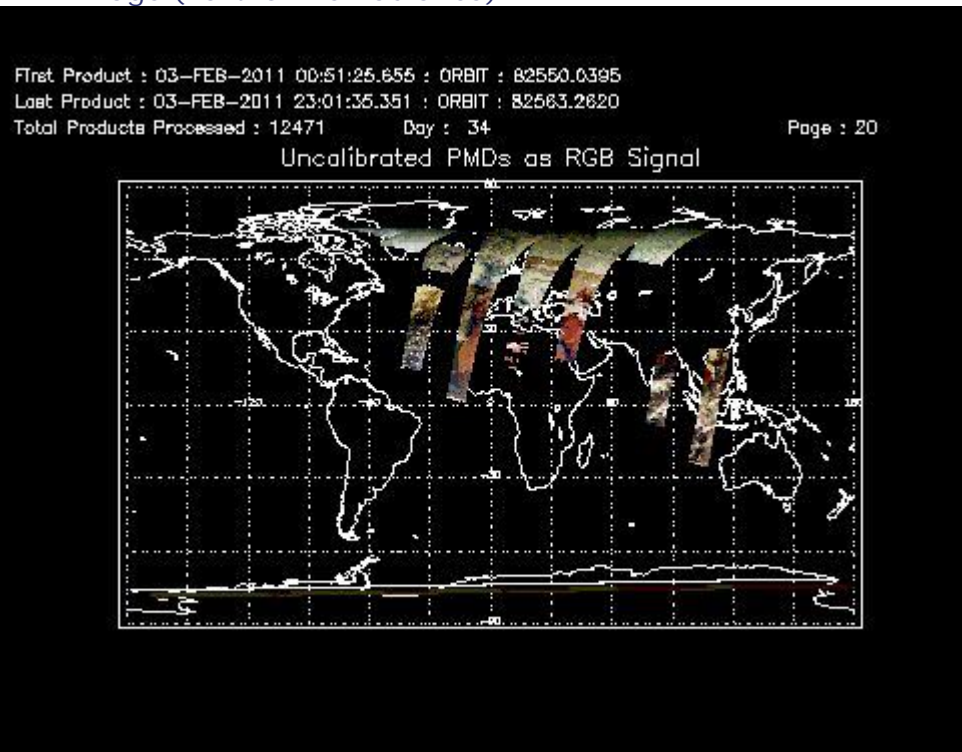
First Product : 03-FEB-2011 00:51:25.655 : ORBIT : 82550.0395  
 Last Product : 03-FEB-2011 23:01:35.351 : ORBIT : 82563.2620  
 Total Products Processed : 12471 Day : 34

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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	13:00:13.635	--	82557	Yes	--	15182

#### 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