

# GOME Daily Report

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## 1 - General Info

### 1.1 - Report Summary

Item	Value
Report Version	GOMEver3_3
Report of Day	17-FEB-2011
Start Time of First Product	00:09:20
Stop Time of Last Product	23:50:47
Number of EGOI Products analysed	32
Number of corrupted products	--
Anomalies and/or Special Operations	Nominal Data

### 1.2 - List of received products

Name	Date	Time
EGOI_110217CMEP4195.E2	17-FEB-2011	03:28:51.242
EGOI_110217CMEP4204.E2	17-FEB-2011	05:12:18.876
EGOI_110217CMEP4214.E2	17-FEB-2011	15:52:30.326
EGOI_110217CMEP4223.E2	17-FEB-2011	17:32:26.442
EGOI_110217GSEP6029.E2	17-FEB-2011	01:55:44.666
EGOI_110217GSEP6060.E2	17-FEB-2011	03:34:46.781
EGOI_110217GSEP6069.E2	17-FEB-2011	05:17:38.410
EGOI_110217HLEP9329.E2	17-FEB-2011	22:53:17.918
EGOI_110217KSEP2673.E2	17-FEB-2011	07:16:04.639

EGOI_110217KSEP2692.E2	17-FEB-2011	08:56:05.259
EGOI_110217KSEP2715.E2	17-FEB-2011	10:35:46.374
EGOI_110217KSEP2741.E2	17-FEB-2011	12:15:09.486
EGOI_110217KSEP2769.E2	17-FEB-2011	13:54:08.597
EGOI_110217KSEP2794.E2	17-FEB-2011	15:32:27.205
EGOI_110217KSEP2823.E2	17-FEB-2011	17:09:57.805
EGOI_110217KSEP2854.E2	17-FEB-2011	18:47:58.413
EGOI_110217KSEP2886.E2	17-FEB-2011	20:27:08.024
EGOI_110217KSEP2915.E2	17-FEB-2011	22:08:40.148
EGOI_110217MAEP2886.E2	17-FEB-2011	09:03:36.798
EGOI_110217MAEP2896.E2	17-FEB-2011	10:43:16.417
EGOI_110217MIEP3569.E2	17-FEB-2011	01:54:41.659
EGOI_110217MIEP3597.E2	17-FEB-2011	03:30:03.250
EGOI_110217MIEP3618.E2	17-FEB-2011	05:13:32.384
EGOI_110217MIEP3628.E2	17-FEB-2011	15:50:12.310
EGOI_110217MIEP3636.E2	17-FEB-2011	17:31:17.434
EGOI_110217MSEP7477.E2	17-FEB-2011	00:09:20.007
EGOI_110217MSEP7498.E2	17-FEB-2011	10:49:28.457
EGOI_110217MSEP7526.E2	17-FEB-2011	12:28:32.069
EGOI_110217MSEP7556.E2	17-FEB-2011	21:59:14.589
EGOI_110217MSEP7586.E2	17-FEB-2011	23:37:18.197
EGOI_110217SGEP1592.E2	17-FEB-2011	15:09:34.560
EGOI_110217SGEP1599.E2	17-FEB-2011	16:49:09.679

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### 1.3 - List of data gaps

Station	Orbit	Date	Start Time	Stop Time	Duration (s)
KS	82754	17-FEB-2011	07:14:06.288	07:16:04.639	118.35100
KS	82755	17-FEB-2011	08:53:36.394	08:56:05.258	148.86400
KS	82756	17-FEB-2011	10:33:13.623	10:35:46.374	152.75100
KS	82757	17-FEB-2011	12:12:38.363	12:15:09.485	151.12200
KS	82758	17-FEB-2011	13:51:32.990	13:54:08.596	155.60600
KS	82759	17-FEB-2011	15:29:40.274	15:32:27.205	166.93100
KS	82760	17-FEB-2011	17:07:22.243	17:09:57.804	155.56100
KS	82761	17-FEB-2011	18:45:33.289	18:47:58.412	145.12300
KS	82762	17-FEB-2011	20:25:05.508	20:27:08.024	122.51600
KS	82763	17-FEB-2011	22:06:38.175	22:08:40.148	121.97300
KS	82764	17-FEB-2011	23:51:09.330	23:54:19.803	190.47300
GS	82751	17-FEB-2011	01:53:51.978	01:55:44.665	112.68700
GS	82752	17-FEB-2011	03:32:50.705	03:34:46.781	116.07600
MS	82750	17-FEB-2011	00:07:04.287	00:09:20.007	135.72000

MS	82756	17-FEB-2011	10:46:51.042	10:49:28.456	157.41400
MS	82757	17-FEB-2011	12:25:52.585	12:28:32.068	159.48300
MS	82763	17-FEB-2011	21:57:13.107	21:59:14.588	121.48100
MS	82764	17-FEB-2011	23:34:58.679	23:37:18.196	139.51700
MA	82756	17-FEB-2011	10:41:16.590	10:43:16.417	119.82700
MI	82751	17-FEB-2011	01:52:29.212	01:54:41.659	132.44700
MI	82752	17-FEB-2011	03:27:35.617	03:30:03.249	147.63200
MI	82753	17-FEB-2011	05:11:27.400	05:13:32.383	124.98300
MI	82759	17-FEB-2011	15:47:46.657	15:50:12.310	145.65300
MI	82760	17-FEB-2011	17:28:57.440	17:31:17.434	139.99400
SG	82758	17-FEB-2011	15:05:07.371	15:09:34.559	267.18800
SG	82759	17-FEB-2011	16:46:30.211	16:49:09.679	159.46800
CM	82752	17-FEB-2011	03:27:10.198	03:28:51.241	101.04300
CM	82759	17-FEB-2011	15:50:58.363	15:52:30.325	91.962000
CM	82760	17-FEB-2011	17:31:01.014	17:32:26.441	85.427000

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#### 1.4 - List of missing products

Station	Orbit	Date	Start Time	Stop Time	Duration (s)
HO	82750	17-FEB-2011	01:01:10.968	01:14:35.849	804.88100
MM	82750	17-FEB-2011	01:13:02.612	01:23:17.800	615.18800
KS	82750	17-FEB-2011	00:25:42.627	00:27:23.583	100.95600
BE	82751	17-FEB-2011	02:19:21.778	02:32:03.908	762.13000
MM	82751	17-FEB-2011	02:55:46.940	03:03:45.040	478.10000
SG	82751	17-FEB-2011	02:31:24.675	02:43:00.807	696.13200
BE	82752	17-FEB-2011	03:58:51.494	04:11:03.559	732.06500
MM	82752	17-FEB-2011	04:38:50.572	04:44:50.585	360.01300
SG	82752	17-FEB-2011	04:09:58.004	04:22:40.276	762.27200
MM	82753	17-FEB-2011	06:20:55.814	06:27:13.444	377.63000
MM	82754	17-FEB-2011	08:01:49.876	08:10:18.833	508.95700
JO	82754	17-FEB-2011	07:39:11.658	07:53:35.769	864.11100
MM	82755	17-FEB-2011	09:42:12.203	09:52:52.119	639.91600
JO	82755	17-FEB-2011	09:19:17.254	09:32:14.264	777.01000
MM	82756	17-FEB-2011	11:22:18.788	11:34:23.377	724.58900
MM	82757	17-FEB-2011	13:02:11.899	13:14:52.031	760.13200
HO	82758	17-FEB-2011	14:51:19.939	15:01:02.252	582.31300

MM	82758	17-FEB-2011	14:41:50.040	14:54:32.064	762.02400
GS	82758	17-FEB-2011	14:04:17.490	14:12:37.035	499.54500
SG	82758	17-FEB-2011	15:05:07.371	15:18:43.648	816.27700
BE	82759	17-FEB-2011	15:16:24.770	15:27:51.536	686.76600
MM	82759	17-FEB-2011	16:21:11.841	16:33:45.225	753.38400
GS	82759	17-FEB-2011	15:41:52.423	15:55:44.412	831.98900
MM	82760	17-FEB-2011	18:00:21.345	18:12:54.212	752.86700
GS	82760	17-FEB-2011	17:21:48.514	17:33:37.441	708.92700
MM	82761	17-FEB-2011	19:39:32.859	19:52:14.216	761.35700
MA	82761	17-FEB-2011	18:44:46.008	18:48:51.801	245.79300
JO	82761	17-FEB-2011	19:59:17.787	20:13:14.489	836.70200
MM	82762	17-FEB-2011	21:19:09.016	21:31:50.549	761.53300
MA	82762	17-FEB-2011	20:17:34.840	20:31:22.267	827.42700
JO	82762	17-FEB-2011	21:38:36.361	21:52:18.395	822.03400
HO	82763	17-FEB-2011	22:50:51.278	23:04:01.986	790.70800
MM	82763	17-FEB-2011	22:59:32.008	23:11:42.270	730.26200
MA	82763	17-FEB-2011	21:58:48.611	22:09:54.421	665.81000

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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

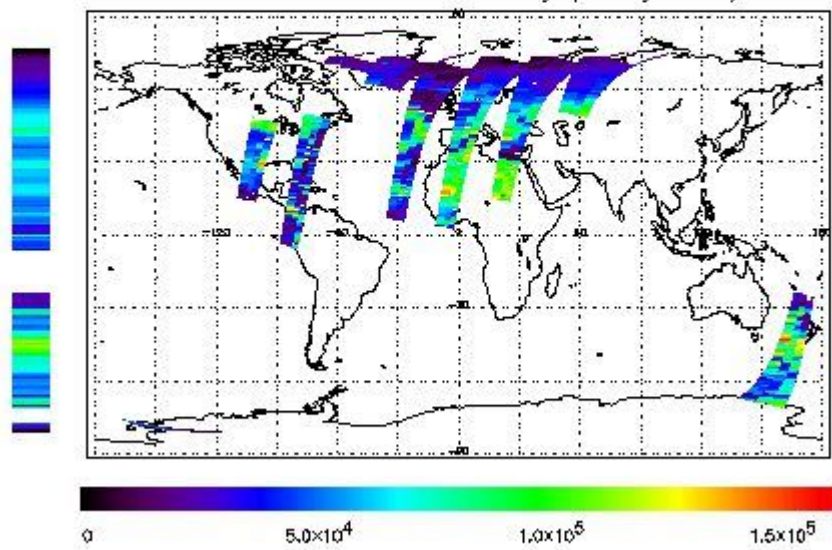
## 2.2 - Daily Plots

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 : 17-FEB-2011 00:09:20.007 : ORBIT : 82750.0211  
 Last Product : 17-FEB-2011 23:50:46.779 : ORBIT : 82784.1509  
 Total Products Processed : 15473 Day : 48 Page : 21

778 nm Uncalibrated Intensity (Binary Units)

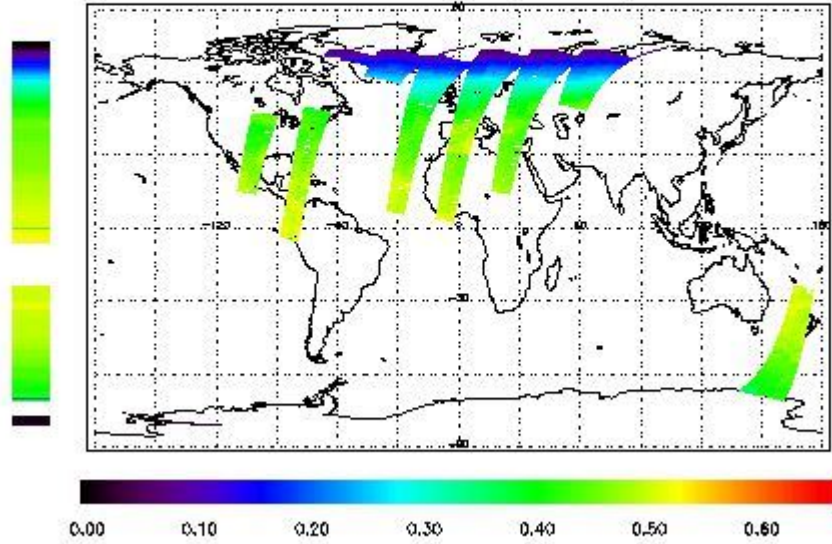


### Ozone Line Ratio

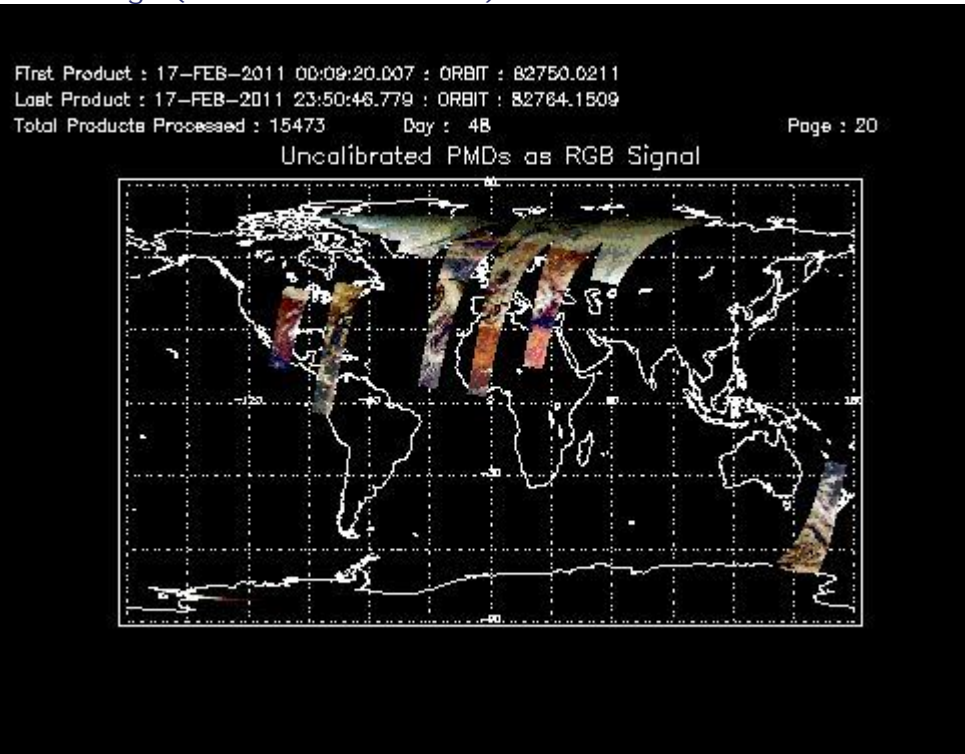
First Product : 17-FEB-2011 00:09:20.007 : ORBIT : 82750.0211  
 Last Product : 17-FEB-2011 23:50:46.779 : ORBIT : 82764.1509  
 Total Products Processed : 15473 Day : 48

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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	12:18:35.005	--	82757	Yes	--	15541

#### 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
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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