

# GOME Daily Report

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## 1 - General Info

### 1.1 - Report Summary

Item	Value
Report Version	GOMEver3_3
Report of Day	04-FEB-2011
Start Time of First Product	00:18:15
Stop Time of Last Product	22:30:17
Number of EGOI Products analysed	32
Number of corrupted products	
Anomalies and/or Special Operations	

### 1.2 - List of received products

Name	Date	Time
EGOI_110204CMEP3769.E2	04-FEB-2011	03:36:58.048
EGOI_110204CMEP3778.E2	04-FEB-2011	05:17:57.167
EGOI_110204CMEP3786.E2	04-FEB-2011	16:00:57.056
EGOI_110204CMEP3798.E2	04-FEB-2011	17:41:11.175
EGOI_110204GSEP5110.E2	04-FEB-2011	02:04:06.477
EGOI_110204GSEP5141.E2	04-FEB-2011	03:43:26.584
EGOI_110204GSEP5150.E2	04-FEB-2011	05:26:15.218
EGOI_110204KSEP0023.E2	04-FEB-2011	22:17:32.379
EGOI_110204KSEP9806.E2	04-FEB-2011	07:24:29.449

EGOI_110204KSEP9824.E2	04-FEB-2011	09:04:42.065
EGOI_110204KSEP9854.E2	04-FEB-2011	10:44:20.181
EGOI_110204KSEP9879.E2	04-FEB-2011	12:23:42.214
EGOI_110204KSEP9892.E2	04-FEB-2011	14:02:39.822
EGOI_110204KSEP9902.E2	04-FEB-2011	15:40:56.934
EGOI_110204KSEP9929.E2	04-FEB-2011	17:18:47.034
EGOI_110204KSEP9961.E2	04-FEB-2011	18:56:22.135
EGOI_110204KSEP9993.E2	04-FEB-2011	20:35:45.251
EGOI_110204MAEP2481.E2	04-FEB-2011	09:12:39.112
EGOI_110204MIEP2201.E2	04-FEB-2011	02:02:22.969
EGOI_110204MIEP2230.E2	04-FEB-2011	03:38:31.056
EGOI_110204MIEP2247.E2	04-FEB-2011	05:23:48.202
EGOI_110204MIEP2263.E2	04-FEB-2011	14:23:12.951
EGOI_110204MIEP2290.E2	04-FEB-2011	15:58:42.044
EGOI_110204MIEP2302.E2	04-FEB-2011	17:40:21.667
EGOI_110204MSEP5905.E2	04-FEB-2011	00:18:14.823
EGOI_110204MSEP5935.E2	04-FEB-2011	10:57:38.263
EGOI_110204MSEP5963.E2	04-FEB-2011	12:37:03.301
EGOI_110204MSEP5994.E2	04-FEB-2011	22:07:17.312
EGOI_110204SGEP1246.E2	04-FEB-2011	02:41:54.704
EGOI_110204SGEP1253.E2	04-FEB-2011	04:20:56.815
EGOI_110204SGEP1261.E2	04-FEB-2011	15:15:59.777
EGOI_110204SGEP1268.E2	04-FEB-2011	16:58:24.408

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### 1.3 - List of data gaps

Station	Orbit	Date	Start Time	Stop Time	Duration (s)
KS	82577	04-FEB-2011	22:15:27.382	22:17:32.379	124.99700
KS	82568	04-FEB-2011	07:22:36.882	07:24:29.448	112.56600
KS	82569	04-FEB-2011	09:02:08.794	09:04:42.065	153.27100
KS	82570	04-FEB-2011	10:41:45.616	10:44:20.180	154.56400
KS	82571	04-FEB-2011	12:21:08.469	12:23:42.213	153.74400
KS	82572	04-FEB-2011	14:00:02.228	14:02:39.822	157.59400
KS	82573	04-FEB-2011	15:38:03.116	15:40:56.934	173.81800
KS	82574	04-FEB-2011	17:15:52.305	17:18:47.034	174.72900
KS	82575	04-FEB-2011	18:54:01.406	18:56:22.135	140.72900
KS	82576	04-FEB-2011	20:33:42.478	20:35:45.251	122.77300
GS	82565	04-FEB-2011	02:02:10.724	02:04:06.476	115.75200
GS	82566	04-FEB-2011	03:41:32.710	03:43:26.584	113.87400
MS	82564	04-FEB-2011	00:15:58.652	00:18:14.823	136.17100
MS	82570	04-FEB-2011	10:55:03.360	10:57:38.262	154.90200

MS	82571	04-FEB-2011	12:34:29.075	12:37:03.300	154.22500
MS	82577	04-FEB-2011	22:05:19.135	22:07:17.311	118.17600
MS	82578	04-FEB-2011	23:43:39.331	23:45:58.423	139.09200
MA	82569	04-FEB-2011	09:11:10.088	09:12:39.112	89.024000
MA	82569	04-FEB-2011	09:13:12.115	09:23:42.545	630.43000
MI	82565	04-FEB-2011	02:00:06.476	02:02:22.969	136.49300
MI	82566	04-FEB-2011	03:36:07.043	03:38:31.056	144.01300
MI	82572	04-FEB-2011	14:21:14.639	14:23:12.951	118.31200
MI	82573	04-FEB-2011	15:56:15.542	15:58:42.044	146.50200
MI	82574	04-FEB-2011	17:38:02.796	17:40:21.667	138.87100
SG	82565	04-FEB-2011	02:39:33.720	02:41:54.704	140.98400
SG	82566	04-FEB-2011	04:18:44.347	04:20:56.814	132.46700
SG	82572	04-FEB-2011	15:13:31.606	15:15:59.776	148.17000
SG	82573	04-FEB-2011	16:55:47.670	16:58:24.407	156.73700
CM	82565	04-FEB-2011	03:35:26.863	03:36:58.047	91.184000
CM	82567	04-FEB-2011	05:16:24.642	05:17:57.167	92.525000
CM	82573	04-FEB-2011	15:59:18.442	16:00:57.056	98.614000
CM	82574	04-FEB-2011	17:39:57.496	17:41:11.175	73.679000

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#### 1.4 - List of missing products

Station	Orbit	Date	Start Time	Stop Time	Duration (s)
HO	82564	04-FEB-2011	01:09:53.597	01:22:58.578	784.98100
MM	82564	04-FEB-2011	01:21:48.926	01:31:53.602	604.67600
BE	82565	04-FEB-2011	02:27:47.391	02:40:45.647	778.25600
MM	82565	04-FEB-2011	03:04:37.148	03:12:22.929	465.78100
CM	82565	04-FEB-2011	03:35:26.863	03:47:17.372	710.50900
BE	82566	04-FEB-2011	04:07:29.941	04:19:17.898	707.95700
MM	82566	04-FEB-2011	04:47:38.914	04:53:33.726	354.81200
MM	82567	04-FEB-2011	06:29:36.891	06:36:03.220	386.32900
MM	82568	04-FEB-2011	08:10:26.931	08:19:08.231	521.30000
JO	82568	04-FEB-2011	07:47:32.308	08:02:11.958	879.65000
MM	82569	04-FEB-2011	09:50:47.586	10:01:36.803	649.21700
JO	82569	04-FEB-2011	09:28:12.125	09:40:27.176	735.05100
MM	82570	04-FEB-2011	11:30:53.021	11:43:02.446	729.42500
MA	82570	04-FEB-2011	10:49:55.177	11:01:07.482	672.30500

MM	82571	04-FEB-2011	13:10:44.928	13:23:26.239	761.31100
HO	82572	04-FEB-2011	15:00:05.207	15:09:12.160	546.95300
MM	82572	04-FEB-2011	14:50:21.692	15:03:03.048	761.35600
GS	82572	04-FEB-2011	14:12:25.206	14:21:48.932	563.72600
SG	82572	04-FEB-2011	15:13:31.606	15:27:18.843	827.23700
BE	82573	04-FEB-2011	15:25:19.501	15:36:09.120	649.61900
MM	82573	04-FEB-2011	16:29:42.149	16:42:15.013	752.86400
GS	82573	04-FEB-2011	15:50:22.745	16:04:18.106	835.36100
MM	82574	04-FEB-2011	18:08:51.114	18:21:24.504	753.39000
GS	82574	04-FEB-2011	17:30:27.137	17:41:48.043	680.90600
MM	82575	04-FEB-2011	19:48:03.792	20:00:45.818	762.02600
MA	82575	04-FEB-2011	18:53:07.928	18:57:26.266	258.33800
JO	82575	04-FEB-2011	20:07:39.149	20:21:58.386	859.23700
MM	82576	04-FEB-2011	21:27:43.164	21:40:23.555	760.39100
MA	82576	04-FEB-2011	20:25:59.228	20:39:45.064	825.83600
JO	82576	04-FEB-2011	21:47:17.716	22:00:30.489	792.77300
HO	82577	04-FEB-2011	22:59:14.271	23:12:37.772	803.50100
MM	82577	04-FEB-2011	23:08:11.003	23:20:16.492	725.48900
MA	82577	04-FEB-2011	22:08:21.727	22:18:10.476	588.74900

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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

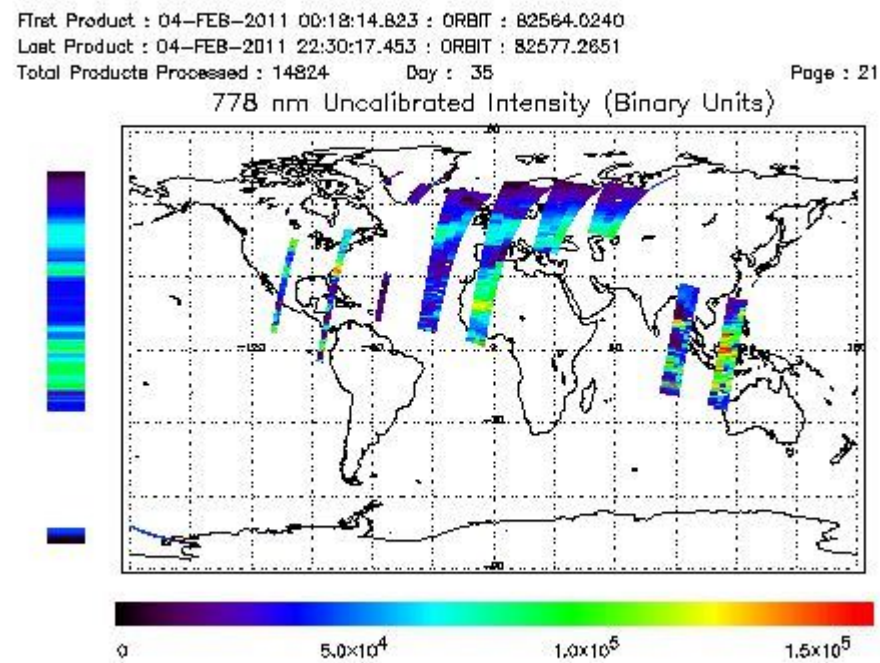
Indicator	Value
MPH Product Confidence	OK
SPH Product Confidence	OK
Command Word Echo Summary	OK
Instrument Status 1A	OK
Instrument Status 1B	OK
Instrument Status 2	OK
Integration Times Channel 1	OK
Co-Adding and Cluster Mode Flags	OK
Integration Times Band 2A	OK
Integration Times Band 2B	OK
Integration 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

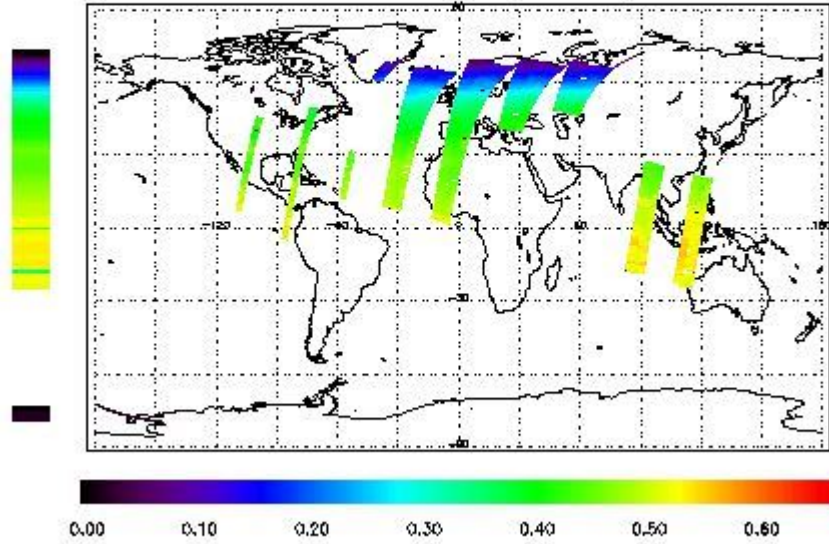


### Ozone Line Ratio

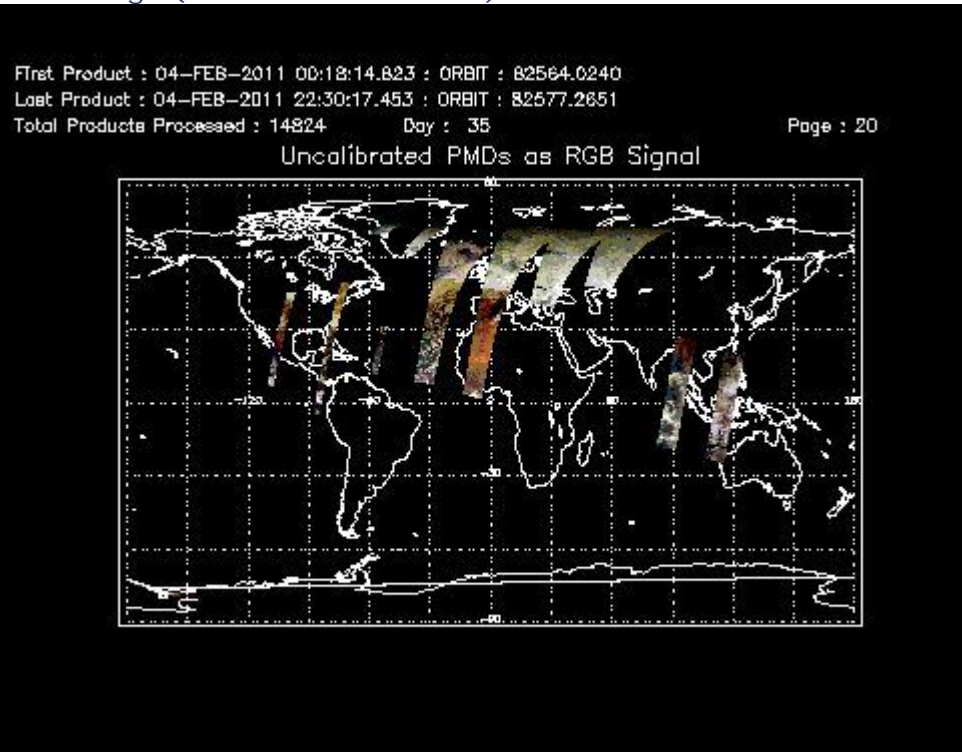
First Product : 04-FEB-2011 00:18:14.823 : ORBIT : 82564.0240  
 Last Product : 04-FEB-2011 22:30:17.453 : ORBIT : 82577.2651  
 Total Products Processed : 14824 Day : 35

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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	12:28:33.245	--	82571	Yes	--	15022

#### 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)
--	--	--	--	--	--	--	--

## 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
--	--	--	--	--

### 5.5 - Narrow Swath Timeline

Start Time	End Time	Start Orbit	End Orbit
14:00	--	82572	--

## 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