

# GOME Daily Report

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## 1 - General Info

### 1.1 - Report Summary

Item	Value
Report Version	GOMEver3_3
Report of Day	01-MAR-2010
Start Time of First Product	00:02:58
Stop Time of Last Product	23:44:42
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_100301BEEP2040.E2	01-MAR-2010	02:15:57.765
EGOI_100301CMEP6881.E2	01-MAR-2010	15:48:35.744
EGOI_100301GSEP0787.E2	01-MAR-2010	01:49:45.609
EGOI_100301GSEP0811.E2	01-MAR-2010	03:28:28.212
EGOI_100301GSEP0819.E2	01-MAR-2010	05:11:28.842
EGOI_100301HLEP5165.E2	01-MAR-2010	14:47:32.375
EGOI_100301KSEP8473.E2	01-MAR-2010	07:09:58.072
EGOI_100301KSEP8496.E2	01-MAR-2010	08:49:55.680
EGOI_100301KSEP8526.E2	01-MAR-2010	10:29:35.292

EGOI_100301KSEP8560.E2	01-MAR-2010	12:09:01.400
EGOI_100301KSEP8576.E2	01-MAR-2010	13:48:00.507
EGOI_100301KSEP8603.E2	01-MAR-2010	15:26:29.614
EGOI_100301KSEP8636.E2	01-MAR-2010	17:03:55.710
EGOI_100301KSEP8671.E2	01-MAR-2010	18:41:56.306
EGOI_100301KSEP8706.E2	01-MAR-2010	20:20:58.417
EGOI_100301KSEP8737.E2	01-MAR-2010	22:02:24.537
EGOI_100301MAEP9423.E2	01-MAR-2010	08:57:16.723
EGOI_100301MAEP9434.E2	01-MAR-2010	10:37:06.839
EGOI_100301MIEP4806.E2	01-MAR-2010	01:49:14.105
EGOI_100301MIEP4823.E2	01-MAR-2010	03:23:53.684
EGOI_100301MIEP4843.E2	01-MAR-2010	05:06:40.811
EGOI_100301MIEP4861.E2	01-MAR-2010	15:44:02.716
EGOI_100301MMEP4791.E2	01-MAR-2010	04:33:16.607
EGOI_100301MMEP4800.E2	01-MAR-2010	07:56:46.355
EGOI_100301MMEP4808.E2	01-MAR-2010	09:37:25.971
EGOI_100301MMEP4818.E2	01-MAR-2010	16:16:47.916
EGOI_100301MMEP4825.E2	01-MAR-2010	17:56:59.036
EGOI_100301MMEP4831.E2	01-MAR-2010	19:35:29.635
EGOI_100301MMEP4841.E2	01-MAR-2010	21:15:00.247
EGOI_100301MMEP4849.E2	01-MAR-2010	22:54:57.858
EGOI_100301MSEP6704.E2	01-MAR-2010	00:02:58.454
EGOI_100301MSEP6721.E2	01-MAR-2010	10:43:32.378
EGOI_100301MSEP6749.E2	01-MAR-2010	12:22:20.982
EGOI_100301MSEP6778.E2	01-MAR-2010	21:53:09.478
EGOI_100301MSEP6809.E2	01-MAR-2010	23:31:11.585
EGOI_100301SGEP4032.E2	01-MAR-2010	15:03:15.969
EGOI_100301SGEP4038.E2	01-MAR-2010	16:42:54.077

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### 1.3 - List of data gaps

Station	Orbit	Date	Start Time	Stop Time	Duration (s)
KS	77701	01-MAR-2010	07:08:26.111	07:09:58.072	91.961000
KS	77702	01-MAR-2010	08:47:54.812	08:49:55.680	120.86800
KS	77703	01-MAR-2010	10:27:32.243	10:29:35.291	123.04800
KS	77704	01-MAR-2010	12:06:58.165	12:09:01.400	123.23500
KS	77705	01-MAR-2010	13:45:54.168	13:48:00.507	126.33900
KS	77706	01-MAR-2010	15:24:04.924	15:26:29.613	144.68900
KS	77707	01-MAR-2010	17:01:47.064	17:03:55.709	128.64500
KS	77708	01-MAR-2010	18:39:54.882	18:41:56.306	121.42400
KS	77709	01-MAR-2010	20:19:21.350	20:20:58.416	97.066000
KS	77710	01-MAR-2010	22:00:46.054	22:02:24.536	98.482000

KS	77711	01-MAR-2010	23:45:03.261	23:46:17.675	74.414000
GS	77698	01-MAR-2010	01:48:20.583	01:49:45.608	85.025000
GS	77699	01-MAR-2010	03:27:03.982	03:28:28.212	84.230000
MS	77697	01-MAR-2010	00:01:10.535	00:02:58.453	107.91800
MS	77703	01-MAR-2010	10:41:22.007	10:43:32.378	130.37100
MS	77704	01-MAR-2010	12:20:09.511	12:22:20.981	131.47000
MS	77710	01-MAR-2010	21:51:51.566	21:53:09.478	77.912000
MS	77711	01-MAR-2010	23:29:13.236	23:31:11.584	118.34800
MA	77703	01-MAR-2010	10:35:32.500	10:37:06.839	94.339000
MI	77698	01-MAR-2010	01:47:35.462	01:49:14.105	98.643000
MI	77699	01-MAR-2010	03:21:56.219	03:23:53.683	117.46400
MI	77700	01-MAR-2010	05:04:57.306	05:06:40.811	103.50500
MI	77706	01-MAR-2010	15:42:08.472	15:44:02.716	114.24400
MM	77706	01-MAR-2010	16:15:31.580	16:16:47.916	76.336000
MM	77707	01-MAR-2010	17:54:41.503	17:56:59.035	137.53200
MM	77708	01-MAR-2010	19:33:52.335	19:35:29.635	97.300000
MM	77709	01-MAR-2010	21:13:26.444	21:15:00.247	93.803000
MM	77710	01-MAR-2010	22:53:46.267	22:54:57.857	71.590000
BE	77698	01-MAR-2010	02:13:45.562	02:15:57.764	132.20200
SG	77705	01-MAR-2010	14:59:32.892	15:03:15.968	223.07600
SG	77706	01-MAR-2010	16:40:25.428	16:42:54.077	148.64900
CM	77706	01-MAR-2010	15:45:26.864	15:48:35.743	188.87900
CM	77706	01-MAR-2010	15:50:23.754	15:56:41.136	377.38200

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#### 1.4 - List of missing products

Station	Orbit	Date	Start Time	Stop Time	Duration (s)
HO	77697	01-MAR-2010	00:55:21.545	01:09:00.231	818.68600
MM	77697	01-MAR-2010	01:07:11.987	01:17:34.000	622.01300
KS	77697	01-MAR-2010	00:19:08.033	00:22:13.761	185.72800
MM	77698	01-MAR-2010	02:49:53.562	02:57:59.922	486.36000
SG	77698	01-MAR-2010	02:26:01.546	02:37:04.767	663.22100
BE	77699	01-MAR-2010	03:53:06.528	04:05:32.593	746.06500
SG	77699	01-MAR-2010	04:04:09.139	04:17:09.923	780.78400
CM	77699	01-MAR-2010	03:21:41.265	03:32:48.807	667.54200
CM	77699	01-MAR-2010	05:01:21.801	05:11:32.943	611.14200

MM	77700	01-MAR-2010	06:15:08.125	06:21:20.437	372.31200
JO	77701	01-MAR-2010	07:33:39.414	07:47:50.737	851.32300
JO	77702	01-MAR-2010	09:13:23.085	09:26:43.722	800.63700
HO	77703	01-MAR-2010	11:26:47.399	11:38:07.307	679.90800
MM	77703	01-MAR-2010	11:16:35.912	11:28:37.070	721.15800
HO	77704	01-MAR-2010	13:05:03.805	13:19:53.129	889.32400
MM	77704	01-MAR-2010	12:56:29.820	13:09:09.026	759.20600
HO	77705	01-MAR-2010	14:45:30.910	14:55:43.006	612.09600
MM	77705	01-MAR-2010	14:36:08.868	14:48:51.297	762.42900
GS	77705	01-MAR-2010	13:58:56.399	14:06:24.180	447.78100
SG	77705	01-MAR-2010	14:59:32.892	15:12:58.603	805.71100
BE	77706	01-MAR-2010	15:10:30.469	15:22:18.338	707.86900
GS	77706	01-MAR-2010	15:36:12.639	15:50:00.828	828.18900
MI	77707	01-MAR-2010	17:22:58.624	17:32:10.714	552.09000
GS	77707	01-MAR-2010	17:16:03.275	17:28:09.122	725.84700
CM	77707	01-MAR-2010	17:25:06.591	17:35:11.537	604.94600
JO	77708	01-MAR-2010	19:53:44.886	20:07:23.395	818.50900
MA	77709	01-MAR-2010	20:11:59.714	20:25:42.263	822.54900
JO	77709	01-MAR-2010	21:32:49.874	21:46:48.568	838.69400
HO	77710	01-MAR-2010	22:45:17.834	22:58:18.156	780.32200
MA	77710	01-MAR-2010	21:52:54.123	22:04:22.032	687.90900

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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

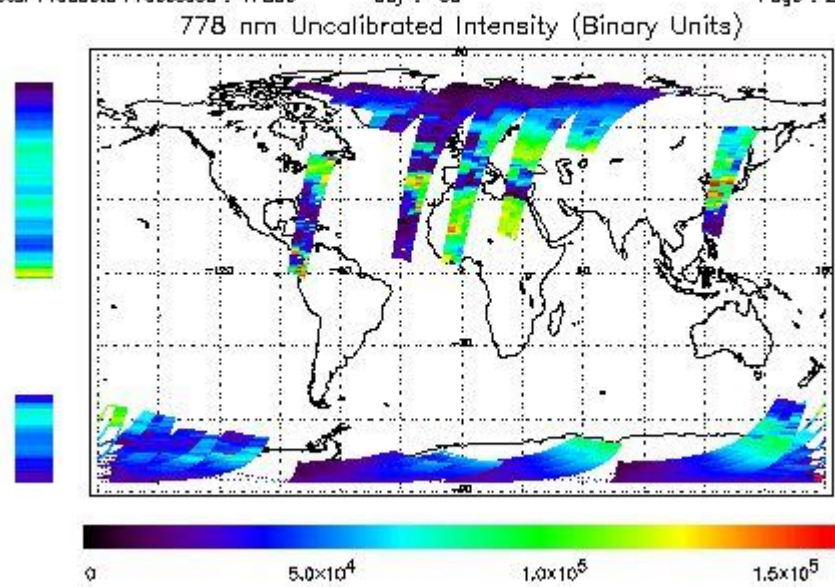
Integration Times Band 3	OK
Integration Times Band 4	OK
Scan Mirror position	OK
Polarization Detectors	OK
FPA Temperatures A	OK
FPA Temperaturas B	OK
Charge Amp Temperatures	OK
Other Temperatures A	OK
DDHU Temperatures	OK
Optical Bench Temperatures	OK
Other Temperatures B	OK
Calibration Lamp and Instr. 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 : 01-MAR-2010 00:02:58.454 : ORBIT : 77697.0150  
 Last Product : 01-MAR-2010 23:44:41.667 : ORBIT : 77711.1478  
 Total Products Processed : 17850 Day : 60 Page : 21



### Ozone Line Ratio

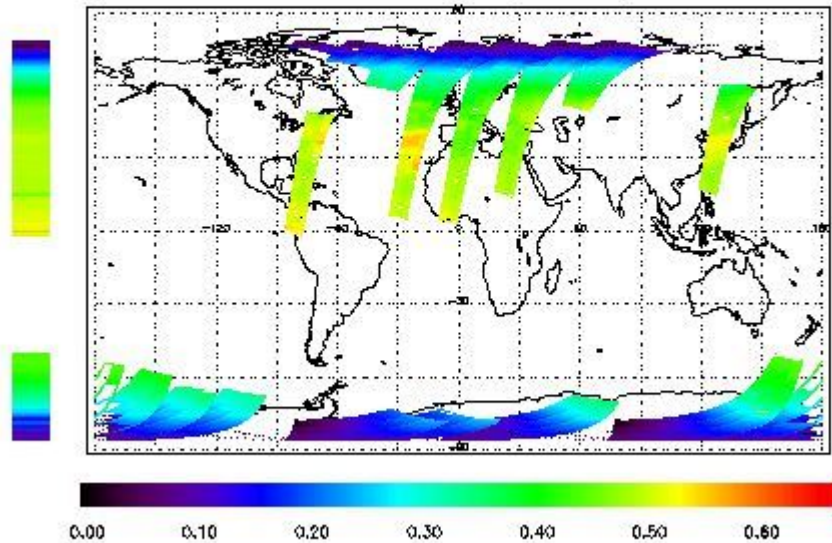
First Product : 01-MAR-2010 00:02:58.454 : ORBIT : 77697.0150

Last Product : 01-MAR-2010 23:44:41.667 : ORBIT : 77711.1476

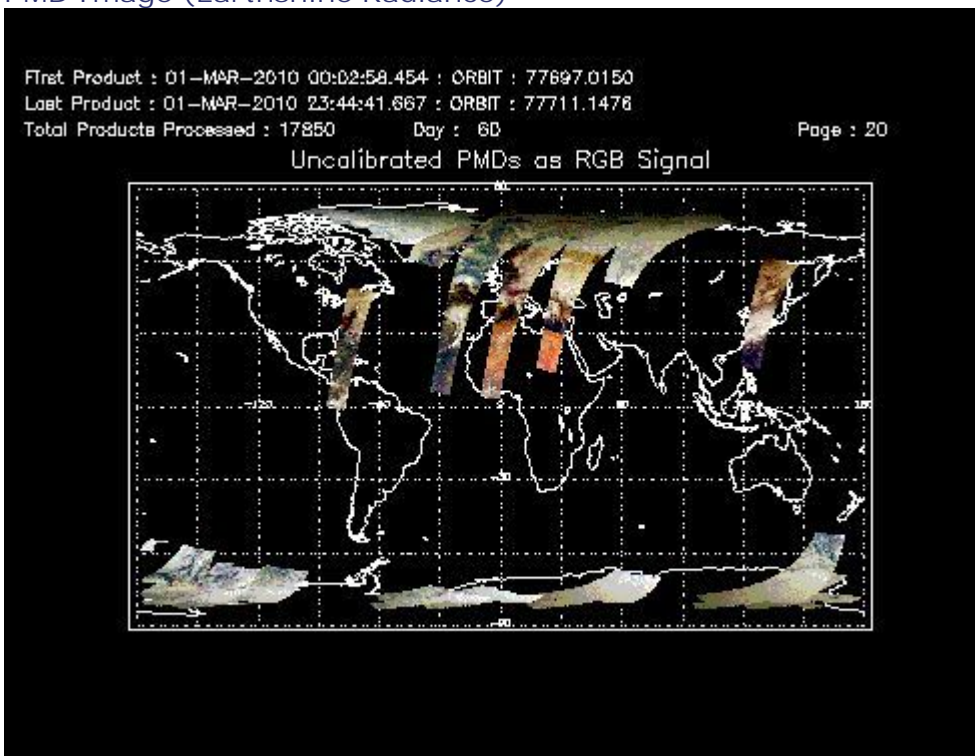
Total Products Processed : 17850 Day : 60

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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	13:51:32.030	--	77704	Yes	--	15116

#### 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