

# GOME Daily Report

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## 1 - General Info

### 1.1 - Report Summary

Item	Value
Report Version	GOMEver3_3
Report of Day	04-MAR-2010
Start Time of First Product	00:08:50
Stop Time of Last Product	23:50:18
Number of EGOI Products analysed	46
Number of corrupted products	--
Anomalies and/or Special Operations	<span style="color: red;">Narrow Swath performed as planned, start orbit: 77750</span>

### 1.2 - List of received products

Name	Date	Time
EGOI_100304BEEP2058.E2	04-MAR-2010	02:21:30.296
EGOI_100304BEEP2064.E2	04-MAR-2010	04:00:59.403
EGOI_100304CMEP6908.E2	04-MAR-2010	15:52:00.521
EGOI_100304CMEP6914.E2	04-MAR-2010	17:31:50.636
EGOI_100304GSEP1002.E2	04-MAR-2010	01:55:10.632
EGOI_100304GSEP1033.E2	04-MAR-2010	03:34:14.238
EGOI_100304GSEP1043.E2	04-MAR-2010	05:17:11.872
EGOI_100304KSEP9391.E2	04-MAR-2010	07:15:38.100
EGOI_100304KSEP9415.E2	04-MAR-2010	08:55:37.211

EGOI_100304KSEP9440.E2	04-MAR-2010	10:35:16.826
EGOI_100304KSEP9472.E2	04-MAR-2010	12:14:41.438
EGOI_100304KSEP9503.E2	04-MAR-2010	13:53:39.045
EGOI_100304KSEP9531.E2	04-MAR-2010	15:31:58.903
EGOI_100304KSEP9553.E2	04-MAR-2010	17:09:29.499
EGOI_100304KSEP9586.E2	04-MAR-2010	18:47:30.099
EGOI_100304KSEP9620.E2	04-MAR-2010	20:26:38.214
EGOI_100304KSEP9652.E2	04-MAR-2010	22:08:13.334
EGOI_100304MAEP9523.E2	04-MAR-2010	09:02:55.258
EGOI_100304MAEP9534.E2	04-MAR-2010	10:42:46.869
EGOI_100304MIEP5055.E2	04-MAR-2010	01:54:10.624
EGOI_100304MIEP5082.E2	04-MAR-2010	03:29:29.211
EGOI_100304MIEP5100.E2	04-MAR-2010	05:13:02.845
EGOI_100304MIEP5110.E2	04-MAR-2010	15:49:38.005
EGOI_100304MIEP5132.E2	04-MAR-2010	17:30:47.632
EGOI_100304MMEP4979.E2	04-MAR-2010	01:13:29.877
EGOI_100304MMEP4986.E2	04-MAR-2010	02:56:24.507
EGOI_100304MMEP4994.E2	04-MAR-2010	06:22:12.268
EGOI_100304MMEP5001.E2	04-MAR-2010	08:02:30.886
EGOI_100304MMEP5008.E2	04-MAR-2010	09:43:09.009
EGOI_100304MMEP5016.E2	04-MAR-2010	11:23:18.620
EGOI_100304MMEP5023.E2	04-MAR-2010	13:03:14.732
EGOI_100304MMEP5033.E2	04-MAR-2010	14:42:51.348
EGOI_100304MMEP5041.E2	04-MAR-2010	16:22:30.709
EGOI_100304MMEP5048.E2	04-MAR-2010	18:02:43.329
EGOI_100304MMEP5053.E2	04-MAR-2010	19:41:07.932
EGOI_100304MMEP5062.E2	04-MAR-2010	21:20:50.539
EGOI_100304MMEP5071.E2	04-MAR-2010	23:00:45.156
EGOI_100304MSEP7057.E2	04-MAR-2010	00:08:48.977
EGOI_100304MSEP7080.E2	04-MAR-2010	10:48:58.909
EGOI_100304MSEP7108.E2	04-MAR-2010	12:28:04.016
EGOI_100304MSEP7138.E2	04-MAR-2010	21:58:47.775
EGOI_100304MSEP7168.E2	04-MAR-2010	23:36:45.379
EGOI_100304SGEP4089.E2	04-MAR-2010	02:33:10.866
EGOI_100304SGEP4097.E2	04-MAR-2010	04:11:53.470
EGOI_100304SGEP4105.E2	04-MAR-2010	15:07:16.750
EGOI_100304SGEP4110.E2	04-MAR-2010	16:48:39.873

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### 1.3 - List of data gaps

Station	Orbit	Date	Start Time	Stop Time	Duration (s)
KS	77744	04-MAR-2010	07:14:06.286	07:15:38.100	91.814000
KS	77745	04-MAR-2010	08:53:36.393	08:55:37.210	120.81700
KS	77746	04-MAR-2010	10:33:13.622	10:35:16.826	123.20400

KS	77747	04-MAR-2010	12:12:38.362	12:14:41.437	123.07500
KS	77748	04-MAR-2010	13:51:32.988	13:53:39.044	126.05600
KS	77749	04-MAR-2010	15:29:40.272	15:31:58.902	138.63000
KS	77750	04-MAR-2010	17:07:22.241	17:09:29.498	127.25700
KS	77751	04-MAR-2010	18:45:33.288	18:47:30.099	116.81100
KS	77752	04-MAR-2010	20:25:05.507	20:26:38.214	92.707000
KS	77753	04-MAR-2010	22:06:38.174	22:08:13.334	95.160000
KS	77754	04-MAR-2010	23:51:09.329	23:52:13.972	64.643000
GS	77741	04-MAR-2010	01:53:51.976	01:55:10.632	78.656000
GS	77742	04-MAR-2010	03:32:50.703	03:34:14.237	83.534000
MS	77740	04-MAR-2010	00:07:04.285	00:08:48.976	104.69100
MS	77746	04-MAR-2010	10:46:51.041	10:48:58.908	127.86700
MS	77747	04-MAR-2010	12:25:52.584	12:28:04.016	131.43200
MS	77753	04-MAR-2010	21:57:13.106	21:58:47.774	94.668000
MS	77754	04-MAR-2010	23:34:58.677	23:36:45.379	106.70200
MA	77746	04-MAR-2010	10:41:16.589	10:42:46.869	90.280000
MI	77741	04-MAR-2010	01:52:29.210	01:54:10.624	101.41400
MI	77742	04-MAR-2010	03:27:35.615	03:29:29.211	113.59600
MI	77743	04-MAR-2010	05:11:27.398	05:13:02.844	95.446000
MI	77749	04-MAR-2010	15:47:46.655	15:49:38.005	111.35000
MI	77750	04-MAR-2010	17:28:57.438	17:30:47.632	110.19400
MM	77743	04-MAR-2010	06:20:55.812	06:22:12.268	76.456000
MM	77747	04-MAR-2010	13:02:11.898	13:03:14.731	62.833000
MM	77748	04-MAR-2010	14:41:50.038	14:42:51.347	61.309000
MM	77749	04-MAR-2010	16:21:11.839	16:22:30.709	78.870000
MM	77750	04-MAR-2010	18:00:21.343	18:02:43.328	141.98500
MM	77751	04-MAR-2010	19:39:32.858	19:41:07.931	95.073000
MM	77752	04-MAR-2010	21:19:09.015	21:20:50.539	101.52400
MM	77753	04-MAR-2010	22:59:32.007	23:00:45.155	73.148000
BE	77741	04-MAR-2010	02:19:21.776	02:21:30.295	128.51900
BE	77742	04-MAR-2010	03:58:51.492	04:00:59.402	127.91000
SG	77741	04-MAR-2010	02:31:24.673	02:33:10.865	106.19200
SG	77742	04-MAR-2010	04:09:58.002	04:11:53.469	115.46700
SG	77748	04-MAR-2010	15:05:07.369	15:07:16.750	129.38100
SG	77749	04-MAR-2010	16:46:30.209	16:48:39.873	129.66400
CM	77749	04-MAR-2010	15:50:58.361	15:52:00.521	62.160000

## 1.4 - List of missing products

Station	Orbit	Date	Start Time	Stop Time	Duration (s)
HO	77740	04-MAR-2010	01:01:10.967	01:14:35.848	804.88100
KS	77740	04-MAR-2010	00:25:42.626	00:27:23.582	100.95600
MM	77742	04-MAR-2010	04:38:50.570	04:44:50.583	360.01300
CM	77742	04-MAR-2010	03:27:10.196	03:38:37.225	687.02900
CM	77742	04-MAR-2010	05:07:20.385	05:16:57.325	576.94000
JO	77744	04-MAR-2010	07:39:11.656	07:53:35.767	864.11100
JO	77745	04-MAR-2010	09:19:17.253	09:32:14.263	777.01000
HO	77748	04-MAR-2010	14:51:19.937	15:01:02.250	582.31300
GS	77748	04-MAR-2010	14:04:17.488	14:12:37.033	499.54500
SG	77748	04-MAR-2010	15:05:07.369	15:18:43.646	816.27700
BE	77749	04-MAR-2010	15:16:24.768	15:27:51.534	686.76600
GS	77749	04-MAR-2010	15:41:52.421	15:55:44.410	831.98900
GS	77750	04-MAR-2010	17:21:48.512	17:33:37.439	708.92700
MA	77751	04-MAR-2010	18:44:46.007	18:48:51.800	245.79300
JO	77751	04-MAR-2010	19:59:17.786	20:13:14.488	836.70200
MA	77752	04-MAR-2010	20:17:34.839	20:31:22.266	827.42700
JO	77752	04-MAR-2010	21:38:36.360	21:52:18.394	822.03400
HO	77753	04-MAR-2010	22:50:51.277	23:04:01.985	790.70800
MA	77753	04-MAR-2010	21:58:48.610	22:09:54.420	665.81000

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## 1.5 - List of corrupted products

Station	Orbit	Time

## 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

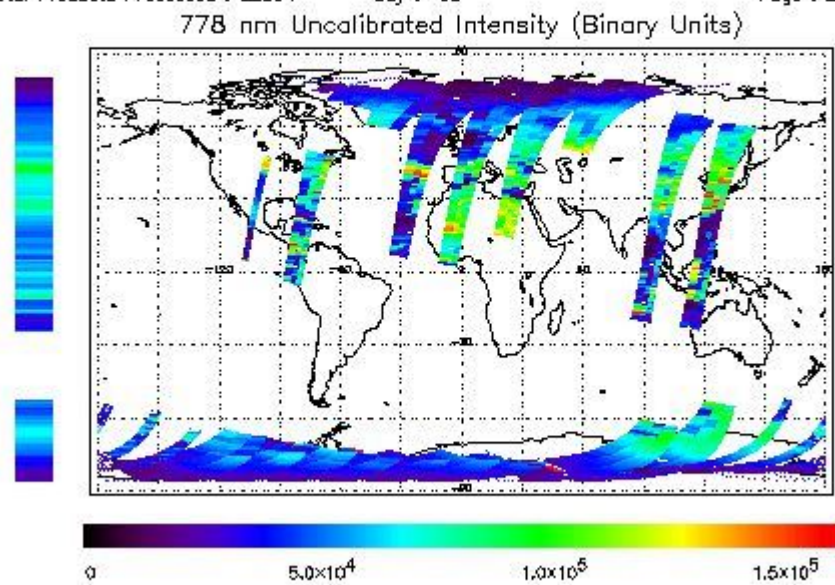
Integration Times Band 2A	OK
Integration Times Band 2B	OK
Integration Times Band 3	OK
Integration Times Band 4	OK
Scan Mirror position	OK
Polarization Detectors	OK
FPA Temperatures A	OK
FPA Temperaturas B	OK
Charge Amp Temperatures	OK
Other Temperatures A	OK
DDHU Temperatures	OK
Optical Bench Temperatures	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 : 04-MAR-2010 00:08:48.977 : ORBIT : 77740.0159  
 Last Product : 04-MAR-2010 23:50:18.481 : ORBIT : 77754.1482  
 Total Products Processed : 22591 Day : 63 Page : 21



### Ozone Line Ratio



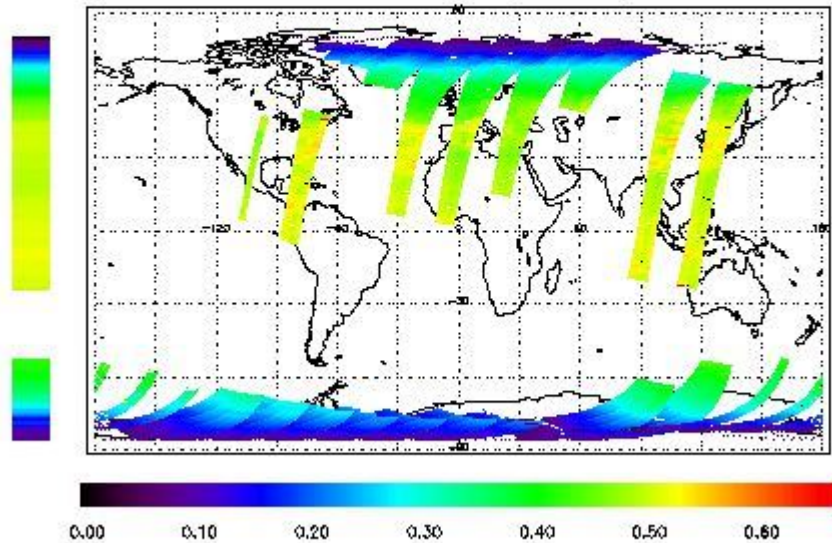
First Product : 04-MAR-2010 00:08:48.977 : ORBIT : 77740.0159

Last Product : 04-MAR-2010 23:50:18.461 : ORBIT : 77754.1462

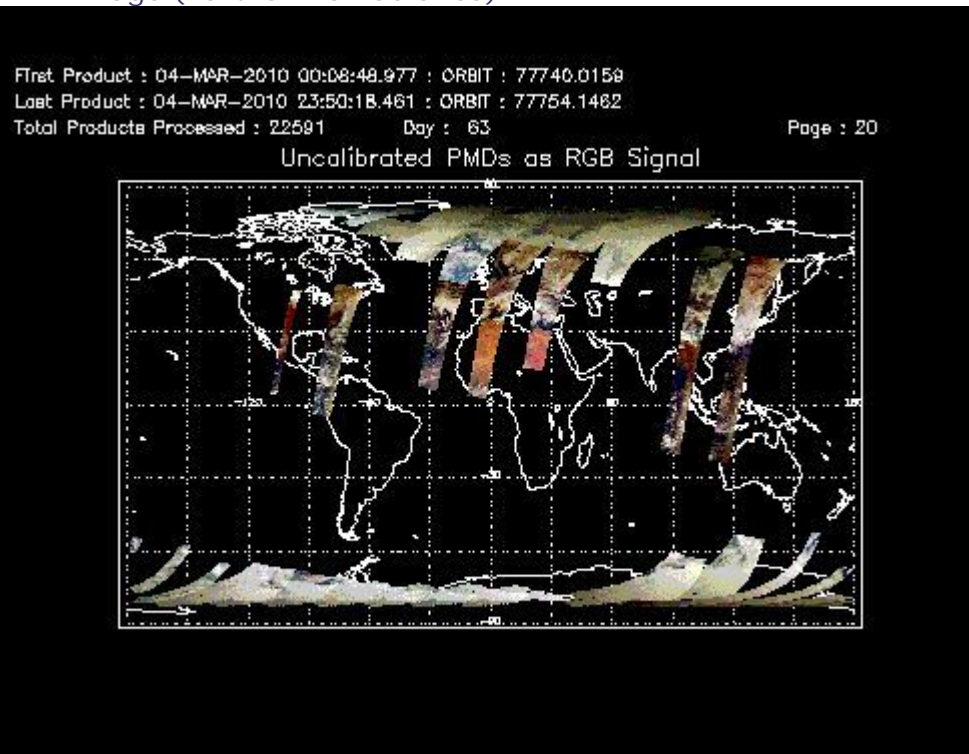
Total Products Processed : 22591 Day : 63

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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	15:37:31.934	--	77749	Yes	--	15253

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

### 4.2 - Instrument Off

Start Time	End Time	Start Orbit	End Orbit	MPS Resumption	Ground Station Visibility
--	--	--	--	--	--

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

### 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
17:00	--	77750	--

## 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