

# GOME Daily Report

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## 1 - General Info

### 1.1 - Report Summary

Item	Value
Report Version	GOMEver3_3
Report of Day	19-MAR-2010
Start Time of First Product	00:38:18
Stop Time of Last Product	22:49:32
Number of EGOI Products analysed	34
Number of corrupted products	--
Anomalies and/or Special Operations	no solar calibration measurements available due to the execution of an ERS-2 orbit manoeuvre

### 1.2 - List of received products

Name	Date	Time
EGOI_100319BEEP2182.E2	19-MAR-2010	04:30:01.360
EGOI_100319CMEP7119.E2	19-MAR-2010	03:58:43.168
EGOI_100319CMEP7128.E2	19-MAR-2010	16:19:50.701
EGOI_100319CMEP7139.E2	19-MAR-2010	18:05:27.348
EGOI_100319GSEP2076.E2	19-MAR-2010	02:23:03.584
EGOI_100319GSEP2096.E2	19-MAR-2010	04:03:28.195
EGOI_100319GSEP2103.E2	19-MAR-2010	05:45:49.822
EGOI_100319KSEP3623.E2	19-MAR-2010	07:43:58.042
EGOI_100319KSEP3647.E2	19-MAR-2010	09:23:58.653

EGOI_100319KSEP3682.E2	19-MAR-2010	11:03:36.765
EGOI_100319KSEP3714.E2	19-MAR-2010	12:42:52.376
EGOI_100319KSEP3726.E2	19-MAR-2010	14:21:46.979
EGOI_100319KSEP3741.E2	19-MAR-2010	15:59:32.579
EGOI_100319KSEP3771.E2	19-MAR-2010	17:37:30.178
EGOI_100319KSEP3807.E2	19-MAR-2010	19:15:21.783
EGOI_100319KSEP3842.E2	19-MAR-2010	20:55:17.889
EGOI_100319KSEP3872.E2	19-MAR-2010	22:37:27.516
EGOI_100319MAEP0079.E2	19-MAR-2010	09:31:43.704
EGOI_100319MAEP0097.E2	19-MAR-2010	11:11:20.312
EGOI_100319MIEP6587.E2	19-MAR-2010	02:20:17.069
EGOI_100319MIEP6608.E2	19-MAR-2010	03:58:40.164
EGOI_100319MIEP6632.E2	19-MAR-2010	14:40:32.097
EGOI_100319MIEP6658.E2	19-MAR-2010	16:17:52.189
EGOI_100319MIEP6673.E2	19-MAR-2010	18:02:07.827
EGOI_100319MMEP5617.E2	19-MAR-2010	05:08:16.591
EGOI_100319MMEP5620.E2	19-MAR-2010	06:50:09.713
EGOI_100319MSEP8826.E2	19-MAR-2010	00:38:17.941
EGOI_100319MSEP8844.E2	19-MAR-2010	11:16:44.343
EGOI_100319MSEP8869.E2	19-MAR-2010	12:56:55.459
EGOI_100319MSEP8902.E2	19-MAR-2010	22:25:42.442
EGOI_100319SGEP4377.E2	19-MAR-2010	03:00:42.811
EGOI_100319SGEP4383.E2	19-MAR-2010	04:40:52.426
EGOI_100319SGEP4390.E2	19-MAR-2010	13:58:49.838
EGOI_100319SGEP4397.E2	19-MAR-2010	15:35:17.434

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### 1.3 - List of data gaps

Station	Orbit	Date	Start Time	Stop Time	Duration (s)
KS	77959	19-MAR-2010	07:42:29.490	07:43:58.042	88.552000
KS	77960	19-MAR-2010	09:22:04.467	09:23:58.652	114.18500
KS	77961	19-MAR-2010	11:01:39.854	11:03:36.764	116.91000
KS	77962	19-MAR-2010	12:40:57.755	12:42:52.375	114.62000
KS	77963	19-MAR-2010	14:19:47.673	14:21:46.979	119.30600
KS	77964	19-MAR-2010	15:57:35.729	15:59:32.578	116.84900
KS	77965	19-MAR-2010	17:35:30.571	17:37:30.177	119.60600
KS	77966	19-MAR-2010	19:13:49.513	19:15:21.783	92.270000
KS	77967	19-MAR-2010	20:53:52.295	20:55:17.889	85.594000
KS	77968	19-MAR-2010	22:36:07.242	22:37:27.516	80.274000
GS	77957	19-MAR-2010	04:02:00.565	04:03:28.194	87.629000
MS	77955	19-MAR-2010	00:37:08.885	00:38:17.941	69.056000

MS	77961	19-MAR-2010	11:14:42.142	11:16:44.342	122.20000
MS	77962	19-MAR-2010	12:54:54.481	12:56:55.458	120.97700
MS	77968	19-MAR-2010	22:24:27.713	22:25:42.442	74.729000
MA	77960	19-MAR-2010	09:30:11.489	09:31:43.704	92.215000
MI	77956	19-MAR-2010	02:18:31.826	02:20:17.069	105.24300
MI	77957	19-MAR-2010	03:56:11.599	03:58:40.163	148.56400
MI	77963	19-MAR-2010	14:38:51.735	14:40:32.097	100.36200
MI	77964	19-MAR-2010	16:16:10.092	16:17:52.189	102.09700
BE	77957	19-MAR-2010	04:27:45.141	04:30:01.360	136.21900
SG	77956	19-MAR-2010	02:58:50.906	03:00:42.811	111.90500
SG	77956	19-MAR-2010	03:09:15.861	03:12:12.089	176.22800
SG	77957	19-MAR-2010	04:39:30.711	04:40:52.426	81.715000
SG	77963	19-MAR-2010	15:33:19.211	15:35:17.433	118.22200
CM	77965	19-MAR-2010	18:01:33.962	18:05:27.348	233.38600
Missing	from				

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#### 1.4 - List of missing products

Station	Orbit	Date	Start Time	Stop Time	Duration (s)
HO	77954	18-MAR-2010	23:49:30.005	00:03:57.670	867.66500
MM	77954	19-MAR-2010	00:00:14.941	00:11:43.833	688.89200
HO	77955	19-MAR-2010	01:30:34.562	01:42:23.041	708.47900
MM	77955	19-MAR-2010	01:42:18.688	01:51:57.640	578.95200
GS	77955	19-MAR-2010	00:46:04.002	00:54:31.450	507.44800
BE	77956	19-MAR-2010	02:47:32.341	03:00:53.103	800.76200
MM	77956	19-MAR-2010	03:25:14.752	03:32:32.466	437.71400
CM	77956	19-MAR-2010	03:54:59.374	04:07:20.821	741.44700
KS	77958	19-MAR-2010	06:03:42.192	06:09:09.293	327.10100
CM	77958	19-MAR-2010	05:38:35.532	05:42:40.506	244.97400
JO	77958	19-MAR-2010	06:31:59.941	06:40:22.495	502.55400
MM	77959	19-MAR-2010	08:30:32.649	08:39:42.280	549.63100
MA	77959	19-MAR-2010	07:52:55.987	07:59:48.143	412.15600
JO	77959	19-MAR-2010	08:07:10.616	08:22:10.392	899.77600
MM	77960	19-MAR-2010	10:10:49.739	10:21:59.204	669.46500
JO	77960	19-MAR-2010	09:49:22.540	09:59:18.318	595.77800
HO	77961	19-MAR-2010	12:00:13.468	12:13:34.691	801.22300

MM	77961	19-MAR-2010	11:50:52.515	12:03:11.826	739.31100
HO	77962	19-MAR-2010	13:39:14.260	13:53:43.825	869.56500
MM	77962	19-MAR-2010	13:30:41.560	13:43:24.722	763.16200
BE	77963	19-MAR-2010	14:04:08.722	14:17:33.419	804.69700
HO	77963	19-MAR-2010	15:20:34.187	15:28:10.323	456.13600
MM	77963	19-MAR-2010	15:10:15.061	15:22:54.659	759.59800
GS	77963	19-MAR-2010	14:31:40.462	14:42:40.359	659.89700
BE	77964	19-MAR-2010	15:46:27.011	15:55:15.534	528.52300
MM	77964	19-MAR-2010	16:49:32.525	17:02:04.493	751.96800
GS	77964	19-MAR-2010	16:10:16.276	16:24:09.136	832.86000
MM	77965	19-MAR-2010	18:28:40.681	18:41:15.550	754.86900
GS	77965	19-MAR-2010	17:50:41.613	18:00:43.194	601.58100
MM	77966	19-MAR-2010	20:07:56.760	20:20:40.041	763.28100
MA	77966	19-MAR-2010	19:11:09.645	19:18:51.432	461.78700
JO	77966	19-MAR-2010	20:27:16.996	20:42:09.369	892.37300
MM	77967	19-MAR-2010	21:47:44.267	22:00:21.006	756.73900
MA	77967	19-MAR-2010	20:45:44.017	20:59:26.701	822.68400
JO	77967	19-MAR-2010	22:07:43.403	22:19:24.481	701.07800
HO	77968	19-MAR-2010	23:18:30.916	23:32:38.470	847.55400
MM	77968	19-MAR-2010	23:28:23.817	23:40:16.715	712.89800
MA	77968	19-MAR-2010	22:29:42.315	22:37:10.417	448.10200

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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

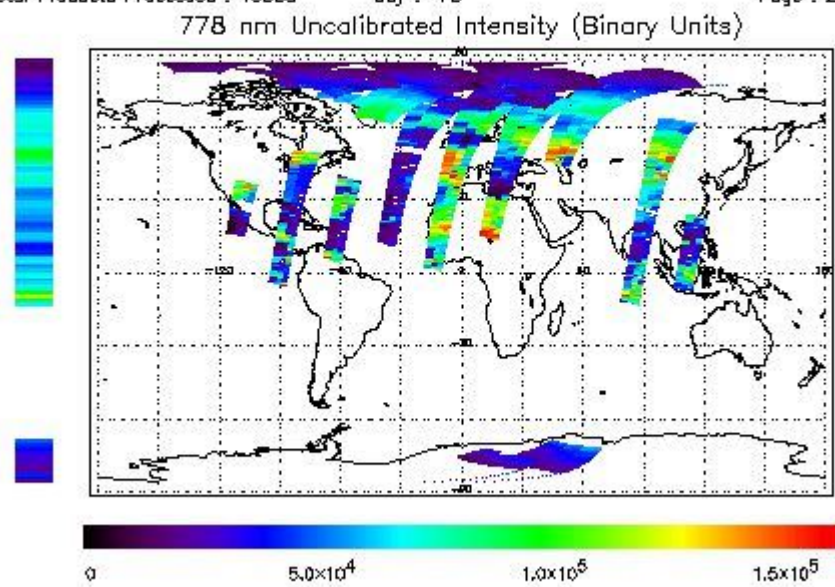
Integration Times Band 3	OK
Integration Times Band 4	OK
Scan Mirror position	OK
Polarization Detectors	OK
FPA Temperatures A	OK
FPA Temperatures B	OK
Charge Amp Temperatures	OK
Other Temperatures A	OK
DDHU Temperatures	OK
Optical Bench Temperatures	OK
Other Temperatures B	OK
Calibration Lamp and Instr. 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 : 19-MAR-2010 00:38:17.941 : ORBIT : 77955.0233  
 Last Product : 19-MAR-2010 22:49:32.086 : ORBIT : 77968.2564  
 Total Products Processed : 15588 Day : 78 Page : 21

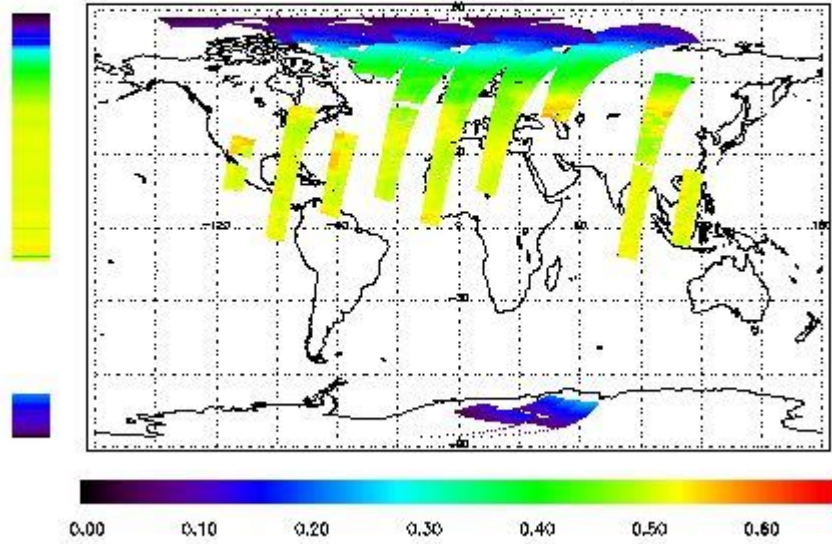


### Ozone Line Ratio

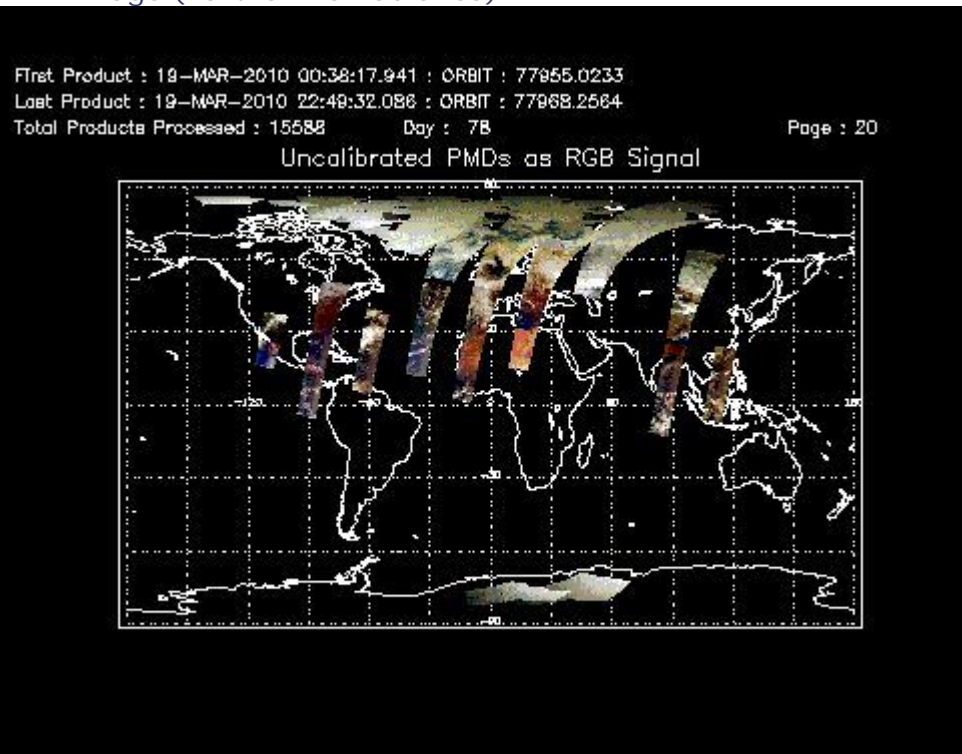
First Product : 19-MAR-2010 00:38:17.941 : ORBIT : 77955.0233  
 Last Product : 19-MAR-2010 22:49:32.086 : ORBIT : 77968.2564  
 Total Products Processed : 15588 Day : 78

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

### 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
07:00 10-Mar	--	77830	--

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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