

# GOME Daily Report

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## 1 - General Info

### 1.1 - Report Summary

Item	Value
Report Version	GOMEver3_3
Report of Day	28-MAR-2010
Start Time of First Product	00:56:54
Stop Time of Last Product	23:06:32
Number of EGOI Products analysed	30
Number of corrupted products	--
Anomalies and/or Special Operations	Nominal Data

### 1.2 - List of received products

Name	Date	Time
EGOI_100328BEEP2275.E2	28-MAR-2010	03:06:21.389
EGOI_100328BEEP2281.E2	28-MAR-2010	04:47:13.007
EGOI_100328BEEP2288.E2	28-MAR-2010	14:24:40.537
EGOI_100328GSEP2765.E2	28-MAR-2010	01:03:01.137
EGOI_100328GSEP2797.E2	28-MAR-2010	02:39:46.728
EGOI_100328GSEP2825.E2	28-MAR-2010	04:21:05.347
EGOI_100328KSEP6196.E2	28-MAR-2010	06:21:30.083
EGOI_100328KSEP6226.E2	28-MAR-2010	08:01:20.192
EGOI_100328KSEP6249.E2	28-MAR-2010	09:40:59.806

EGOI_100328KSEP6284.E2	28-MAR-2010	11:20:34.913
EGOI_100328KSEP6316.E2	28-MAR-2010	12:59:46.016
EGOI_100328KSEP6329.E2	28-MAR-2010	14:38:34.623
EGOI_100328KSEP6355.E2	28-MAR-2010	16:16:15.723
EGOI_100328KSEP6386.E2	28-MAR-2010	17:54:20.822
EGOI_100328KSEP6422.E2	28-MAR-2010	19:32:16.922
EGOI_100328KSEP6457.E2	28-MAR-2010	21:12:34.036
EGOI_100328KSEP6486.E2	28-MAR-2010	22:55:09.163
EGOI_100328MIEP7605.E2	28-MAR-2010	02:36:28.705
EGOI_100328MIEP7633.E2	28-MAR-2010	04:15:21.812
EGOI_100328MIEP7660.E2	28-MAR-2010	14:56:37.736
EGOI_100328MIEP7690.E2	28-MAR-2010	16:35:03.836
EGOI_100328MSEP9889.E2	28-MAR-2010	00:56:53.601
EGOI_100328MSEP9904.E2	28-MAR-2010	09:57:04.400
EGOI_100328MSEP9929.E2	28-MAR-2010	11:33:40.991
EGOI_100328MSEP9953.E2	28-MAR-2010	13:14:28.106
EGOI_100328MSEP9984.E2	28-MAR-2010	22:42:28.584
EGOI_100328SGEP4610.E2	28-MAR-2010	03:17:36.455
EGOI_100328SGEP4618.E2	28-MAR-2010	04:59:01.082
EGOI_100328SGEP4622.E2	28-MAR-2010	14:14:58.478
EGOI_100328SGEP4630.E2	28-MAR-2010	15:52:27.574

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### 1.3 - List of data gaps

Station	Orbit	Date	Start Time	Stop Time	Duration (s)
KS	78087	28-MAR-2010	06:20:27.009	06:21:30.083	63.074000
KS	78088	28-MAR-2010	07:59:32.735	08:01:20.192	107.45700
KS	78089	28-MAR-2010	09:39:09.320	09:40:59.806	110.48600
KS	78090	28-MAR-2010	11:18:42.946	11:20:34.912	111.96600
KS	78091	28-MAR-2010	12:57:55.974	12:59:46.015	110.04100
KS	78092	28-MAR-2010	14:36:40.225	14:38:34.622	114.39700
KS	78093	28-MAR-2010	16:14:20.590	16:16:15.722	115.13200
KS	78094	28-MAR-2010	17:52:14.117	17:54:20.822	126.70500
KS	78095	28-MAR-2010	19:30:50.873	19:32:16.921	86.048000
KS	78096	28-MAR-2010	21:11:13.426	21:12:34.036	80.610000
KS	78097	28-MAR-2010	22:53:56.076	22:55:09.162	73.086000
GS	78085	28-MAR-2010	02:38:34.128	02:39:46.728	72.600000
GS	78086	28-MAR-2010	04:19:45.928	04:21:05.347	79.419000
MS	78090	28-MAR-2010	11:31:39.587	11:33:40.990	121.40300
MS	78091	28-MAR-2010	13:12:35.922	13:14:28.106	112.18400
MS	78097	28-MAR-2010	22:41:05.869	22:42:28.584	82.715000

MI	78085	28-MAR-2010	02:34:44.139	02:36:28.704	104.56500
MI	78086	28-MAR-2010	04:13:37.846	04:15:21.811	103.96500
MI	78092	28-MAR-2010	14:54:58.635	14:56:37.736	99.101000
MI	78093	28-MAR-2010	16:33:21.959	16:35:03.836	101.87700
BE	78085	28-MAR-2010	03:04:32.963	03:06:21.389	108.42600
BE	78086	28-MAR-2010	04:45:15.029	04:47:13.007	117.97800
BE	78092	28-MAR-2010	14:21:13.263	14:24:40.536	207.27300
BE	78092	28-MAR-2010	14:25:45.043	14:34:34.143	529.10000
SG	78085	28-MAR-2010	03:15:37.140	03:17:36.455	119.31500
SG	78086	28-MAR-2010	04:57:53.716	04:59:01.082	67.366000
SG	78091	28-MAR-2010	14:13:23.181	14:14:58.477	95.296000
SG	78092	28-MAR-2010	15:50:29.282	15:52:27.573	118.29100

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#### 1.4 - List of missing products

Station	Orbit	Date	Start Time	Stop Time	Duration (s)
HO	78083	28-MAR-2010	00:06:25.021	00:21:00.591	875.57000
MM	78083	28-MAR-2010	00:17:40.129	00:28:53.724	673.59500
HO	78084	28-MAR-2010	01:48:58.529	01:58:53.224	594.69500
MM	78084	28-MAR-2010	01:59:54.551	02:09:10.283	555.73200
MM	78085	28-MAR-2010	03:42:55.686	03:49:50.689	415.00300
CM	78085	28-MAR-2010	02:37:11.045	02:41:41.275	270.23000
CM	78085	28-MAR-2010	04:11:58.377	04:24:21.799	743.42200
MM	78086	28-MAR-2010	05:25:41.636	05:31:28.376	346.74000
MM	78087	28-MAR-2010	07:07:09.427	07:14:21.174	431.74700
JO	78087	28-MAR-2010	06:47:35.882	06:58:19.702	643.82000
MM	78088	28-MAR-2010	08:47:45.399	08:57:18.503	573.10400
MA	78088	28-MAR-2010	08:09:14.887	08:19:15.547	600.66000
JO	78088	28-MAR-2010	08:24:11.518	08:39:11.027	899.50900
MM	78089	28-MAR-2010	10:27:59.722	10:39:24.876	685.15400
MA	78089	28-MAR-2010	09:47:12.107	10:00:46.587	814.48000
JO	78089	28-MAR-2010	10:08:17.578	10:14:45.647	388.06900
MM	78090	28-MAR-2010	12:08:00.226	12:20:26.508	746.28200
MA	78090	28-MAR-2010	11:28:24.912	11:36:24.448	479.53600
HO	78091	28-MAR-2010	13:56:25.429	14:10:23.664	838.23500
MM	78091	28-MAR-2010	13:47:46.748	14:00:30.605	763.85700

SG	78091	28-MAR-2010	14:13:23.181	14:22:58.093	574.91200
MM	78092	28-MAR-2010	15:27:17.418	15:39:55.398	757.98000
GS	78092	28-MAR-2010	14:48:22.352	15:00:39.884	737.53200
CM	78092	28-MAR-2010	15:00:41.799	15:04:38.459	236.66000
BE	78093	28-MAR-2010	16:05:11.997	16:11:05.738	353.74100
MM	78093	28-MAR-2010	17:06:32.528	17:19:04.114	751.58600
GS	78093	28-MAR-2010	16:27:22.181	16:41:01.778	819.59700
CM	78093	28-MAR-2010	16:35:57.338	16:48:19.046	741.70800
MM	78094	28-MAR-2010	18:45:40.533	18:58:16.894	756.36100
GS	78094	28-MAR-2010	18:08:09.438	18:16:43.416	513.97800
JO	78094	28-MAR-2010	19:07:49.976	19:16:08.744	498.76800
MM	78095	28-MAR-2010	20:25:00.304	20:37:44.202	763.89800
MA	78095	28-MAR-2010	19:27:03.329	19:36:24.602	561.27300
JO	78095	28-MAR-2010	20:44:14.169	20:59:15.808	901.63900
MM	78096	28-MAR-2010	22:04:55.456	22:17:27.858	752.40200
MA	78096	28-MAR-2010	21:03:00.740	21:16:26.904	806.16400
JO	78096	28-MAR-2010	22:25:28.735	22:35:15.632	586.89700
HO	78097	28-MAR-2010	23:35:21.110	23:49:44.160	863.05000
MM	78097	28-MAR-2010	23:45:45.441	23:57:25.890	700.44900

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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

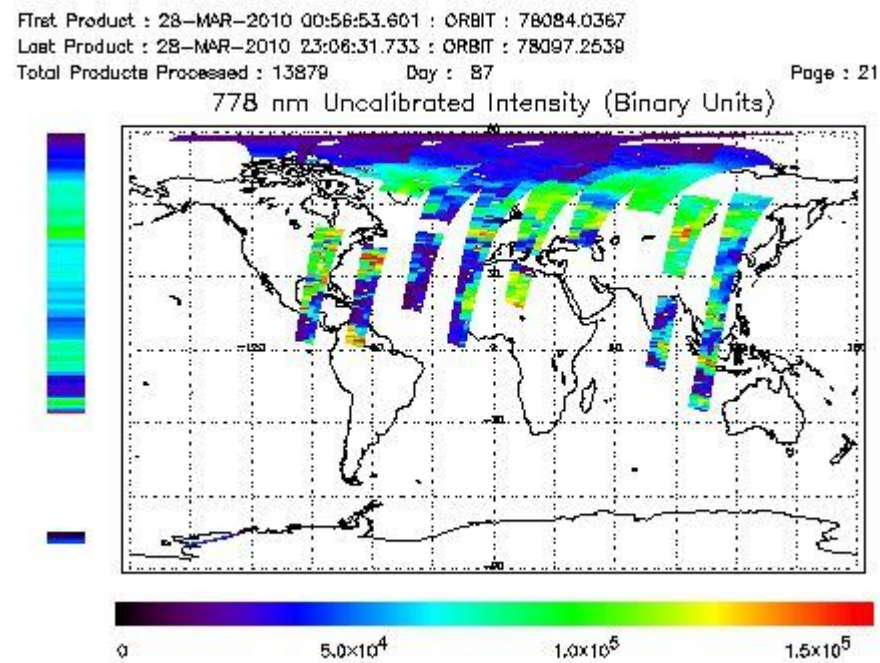
Indicator	Value
MPH Product Confidence	OK
SPH Product Confidence	OK
Command Word Echo Summary	OK
Instrument Status 1A	OK
Instrument Status 1B	OK
Instrument Status 2	OK
Integration Times Channel 1	OK
Co-Adding and Cluster Mode Flags	OK
Integration Times Band 2A	OK
Integration Times Band 2B	OK
Integration Times Band 3	OK
Integration Times Band 4	OK
Scan Mirror position	Polar View operated

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

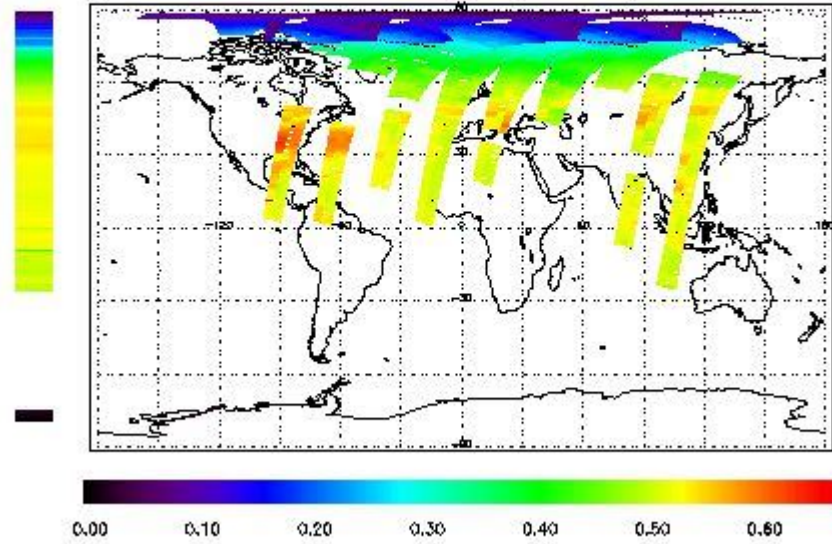


### Ozone Line Ratio

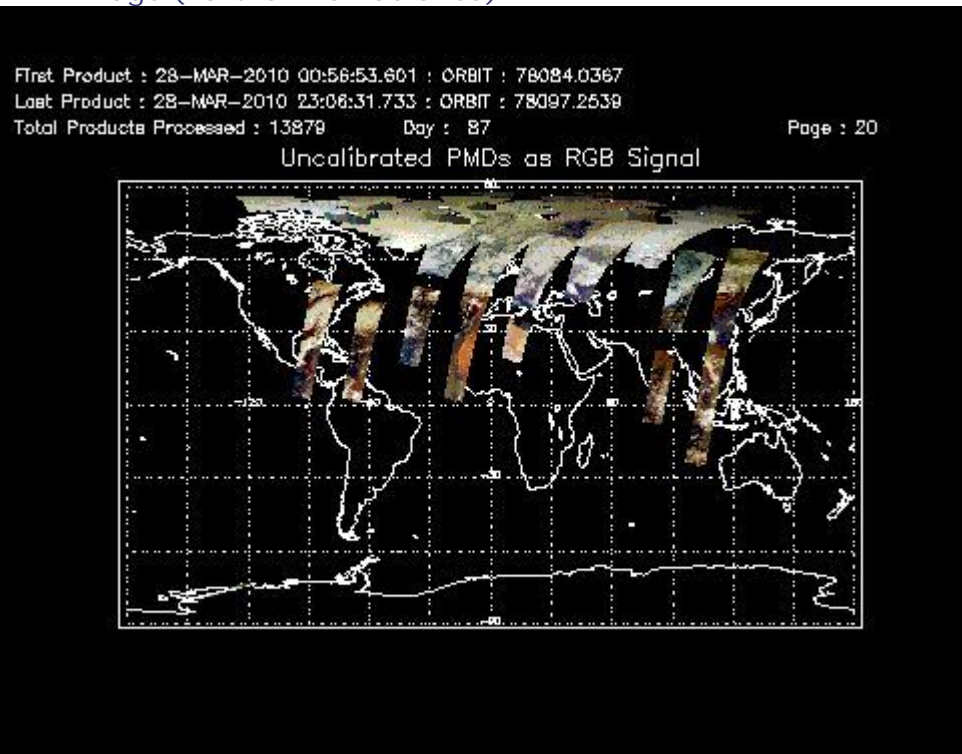
First Product : 28-MAR-2010 00:56:53.601 : ORBIT : 78084.0367  
 Last Product : 28-MAR-2010 23:06:31.733 : ORBIT : 78097.2539  
 Total Products Processed : 13879 Day : 87

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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	16:20:29.246	--	78093	Yes	--	15313

#### 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
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### 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