

# GOME Daily Report

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## 1 - General Info

### 1.1 - Report Summary

Item	Value
Report Version	GOMEver3_3
Report of Day	08-APR-2010
Start Time of First Product	00:08:36
Stop Time of Last Product	23:50:02
Number of EGOI Products analysed	43
Number of corrupted products	1
Anomalies and/or Special Operations	Nominal Data

### 1.2 - List of received products

Name	Date	Time
EGOI_100408BEEP2395.E2	08-APR-2010	02:23:41.757
EGOI_100408BEEP2401.E2	08-APR-2010	04:00:34.848
EGOI_100408CMEP7456.E2	08-APR-2010	03:29:30.163
EGOI_100408CMEP7468.E2	08-APR-2010	15:54:34.726
EGOI_100408CMEP7478.E2	08-APR-2010	17:38:44.364
EGOI_100408GSEP3604.E2	08-APR-2010	01:54:58.084
EGOI_100408GSEP3635.E2	08-APR-2010	03:33:57.191
EGOI_100408GSEP3645.E2	08-APR-2010	05:16:50.318
EGOI_100408KSEP8732.E2	08-APR-2010	07:15:19.542

EGOI_100408KSEP8751.E2	08-APR-2010	08:55:18.662
EGOI_100408KSEP8780.E2	08-APR-2010	10:34:58.272
EGOI_100408KSEP8806.E2	08-APR-2010	12:14:22.875
EGOI_100408KSEP8832.E2	08-APR-2010	13:53:20.482
EGOI_100408KSEP8844.E2	08-APR-2010	15:31:40.590
EGOI_100408KSEP8871.E2	08-APR-2010	17:09:11.189
EGOI_100408KSEP8901.E2	08-APR-2010	18:47:13.284
EGOI_100408KSEP8931.E2	08-APR-2010	20:26:21.395
EGOI_100408KSEP8958.E2	08-APR-2010	22:07:55.014
EGOI_100408MAEP0805.E2	08-APR-2010	09:02:39.701
EGOI_100408MIEP8758.E2	08-APR-2010	01:53:53.577
EGOI_100408MIEP8786.E2	08-APR-2010	03:29:12.164
EGOI_100408MIEP8808.E2	08-APR-2010	05:12:44.294
EGOI_100408MIEP8834.E2	08-APR-2010	15:49:25.692
EGOI_100408MIEP8860.E2	08-APR-2010	17:30:29.314
EGOI_100408MMEP6043.E2	08-APR-2010	01:13:27.826
EGOI_100408MMEP6051.E2	08-APR-2010	04:38:51.583
EGOI_100408MMEP6059.E2	08-APR-2010	06:21:01.213
EGOI_100408MMEP6066.E2	08-APR-2010	09:42:54.947
EGOI_100408MMEP6073.E2	08-APR-2010	11:23:04.562
EGOI_100408MMEP6083.E2	08-APR-2010	13:02:57.673
EGOI_100408MMEP6092.E2	08-APR-2010	14:42:26.784
EGOI_100408MMEP6099.E2	08-APR-2010	16:22:13.895
EGOI_100408MMEP6105.E2	08-APR-2010	18:02:25.010
EGOI_100408MMEP6112.E2	08-APR-2010	21:20:33.724
EGOI_100408MMEP6121.E2	08-APR-2010	23:00:26.834
EGOI_100408MSEP1203.E2	08-APR-2010	00:08:36.430
EGOI_100408MSEP1230.E2	08-APR-2010	10:48:43.350
EGOI_100408MSEP1258.E2	08-APR-2010	12:27:46.957
EGOI_100408MSEP1288.E2	08-APR-2010	21:58:33.959
EGOI_100408MSEP1318.E2	08-APR-2010	23:36:28.557
EGOI_100408SGEP4721.E2	08-APR-2010	04:11:33.415
EGOI_100408SGEP4727.E2	08-APR-2010	15:06:47.933
EGOI_100408SGEP4734.E2	08-APR-2010	16:48:24.560

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### 1.3 - List of data gaps

Station	Orbit	Date	Start Time	Stop Time	Duration (s)
KS	78245	08-APR-2010	07:14:06.287	07:15:19.541	73.254000
KS	78246	08-APR-2010	08:53:36.393	08:55:18.661	102.26800
KS	78247	08-APR-2010	10:33:13.622	10:34:58.272	104.65000
KS	78248	08-APR-2010	12:12:38.362	12:14:22.874	104.51200
KS	78249	08-APR-2010	13:51:32.988	13:53:20.481	107.49300

KS	78250	08-APR-2010	15:29:40.272	15:31:40.590	120.31800
KS	78251	08-APR-2010	17:07:22.242	17:09:11.189	108.94700
KS	78252	08-APR-2010	18:45:33.288	18:47:13.284	99.996000
KS	78253	08-APR-2010	20:25:05.507	20:26:21.394	75.887000
KS	78254	08-APR-2010	22:06:38.174	22:07:55.014	76.840000
GS	78242	08-APR-2010	01:53:51.976	01:54:58.083	66.107000
GS	78243	08-APR-2010	03:32:50.703	03:33:57.190	66.487000
MS	78241	08-APR-2010	00:07:04.285	00:08:36.430	92.145000
MS	78247	08-APR-2010	10:46:51.041	10:48:43.350	112.30900
MS	78248	08-APR-2010	12:25:52.584	12:27:46.957	114.37300
MS	78254	08-APR-2010	21:57:13.106	21:58:33.959	80.853000
MS	78255	08-APR-2010	23:34:58.677	23:36:28.557	89.880000
MI	78242	08-APR-2010	01:52:29.210	01:53:53.576	84.366000
MI	78243	08-APR-2010	03:27:35.615	03:29:12.163	96.548000
MI	78244	08-APR-2010	05:11:27.398	05:12:44.294	76.896000
MI	78250	08-APR-2010	15:47:46.655	15:49:25.691	99.036000
MI	78251	08-APR-2010	17:28:57.439	17:30:29.314	91.875000
MM	78250	08-APR-2010	16:21:11.839	16:22:13.895	62.056000
MM	78251	08-APR-2010	18:00:21.344	18:02:25.010	123.66600
MM	78253	08-APR-2010	21:19:09.015	21:20:33.723	84.708000
BE	78242	08-APR-2010	02:19:21.776	02:23:41.757	259.98100
BE	78243	08-APR-2010	03:58:51.492	04:00:34.847	103.35500
SG	78243	08-APR-2010	04:09:58.002	04:11:33.414	95.412000
SG	78249	08-APR-2010	15:05:07.369	15:06:47.933	100.56400
SG	78250	08-APR-2010	16:46:30.209	16:48:24.559	114.35000
CM	78243	08-APR-2010	03:27:10.196	03:29:30.162	139.96600
CM	78250	08-APR-2010	15:50:58.361	15:54:34.725	216.36400
CM	78251	08-APR-2010	17:31:01.013	17:38:44.363	463.35000

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#### 1.4 - List of missing products

Station	Orbit	Date	Start Time	Stop Time	Duration (s)
HO	78241	08-APR-2010	01:01:10.967	01:14:35.848	804.88100
KS	78241	08-APR-2010	00:25:42.626	00:27:23.582	100.95600
MM	78242	08-APR-2010	02:55:46.938	03:03:45.038	478.10000
SG	78242	08-APR-2010	02:31:24.673	02:43:00.805	696.13200

MM	78245	08-APR-2010	08:01:49.875	08:10:18.832	508.95700
JO	78245	08-APR-2010	07:39:11.657	07:53:35.768	864.11100
JO	78246	08-APR-2010	09:19:17.253	09:32:14.263	777.01000
MA	78247	08-APR-2010	10:41:16.589	10:52:54.644	698.05500
HO	78249	08-APR-2010	14:51:19.937	15:01:02.250	582.31300
GS	78249	08-APR-2010	14:04:17.488	14:12:37.033	499.54500
SG	78249	08-APR-2010	15:05:07.369	15:18:43.646	816.27700
BE	78250	08-APR-2010	15:16:24.768	15:27:51.534	686.76600
GS	78250	08-APR-2010	15:41:52.421	15:55:44.410	831.98900
GS	78251	08-APR-2010	17:21:48.513	17:33:37.440	708.92700
MM	78252	08-APR-2010	19:39:32.858	19:52:14.215	761.35700
MA	78252	08-APR-2010	18:44:46.007	18:48:51.800	245.79300
JO	78252	08-APR-2010	19:59:17.786	20:13:14.488	836.70200
MA	78253	08-APR-2010	20:17:34.839	20:31:22.266	827.42700
JO	78253	08-APR-2010	21:38:36.360	21:52:18.394	822.03400
HO	78254	08-APR-2010	22:50:51.277	23:04:01.985	790.70800
MA	78254	08-APR-2010	21:58:48.610	22:09:54.420	665.81000

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### 1.5 - List of corrupted products

Station	Orbit	Time
MI	78251	17:39:45.869

## 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

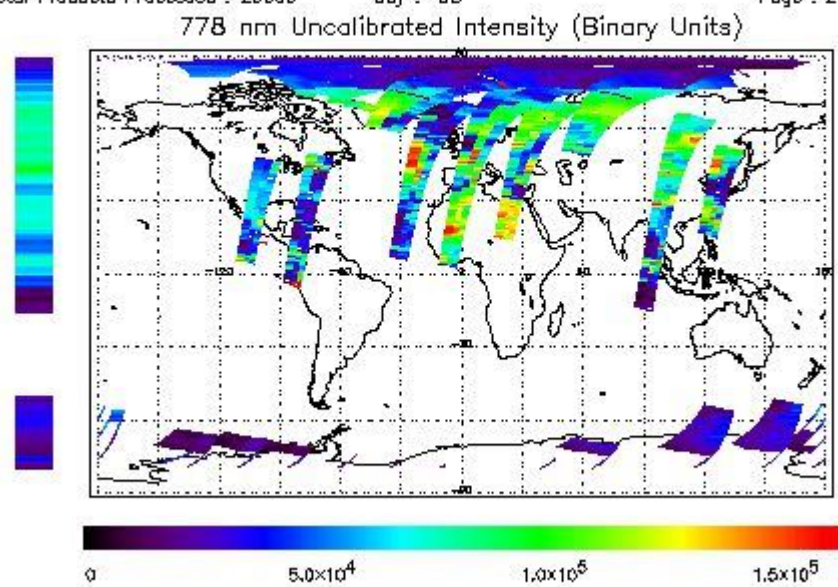
FPA Temperatures A	OK
FPA Temperaturas B	OK
Charge Amp Temperatures	OK
Other Temperatures A	OK
DDHU Temperatures	OK
Optical Bench Temperatures	OK
Other Temperatures B	OK
Calibration Lamp and Instr. Status 3	OK
Scan Mirror and Motor Current	OK
Selected Temperature A	OK
Selected Temperature B	OK
Selected 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

First Product : 08-APR-2010 00:08:36.430 : ORBIT : 78241.0139  
 Last Product : 08-APR-2010 23:50:01.839 : ORBIT : 78256.1435  
 Total Products Processed : 20660 Day : 98 Page : 21



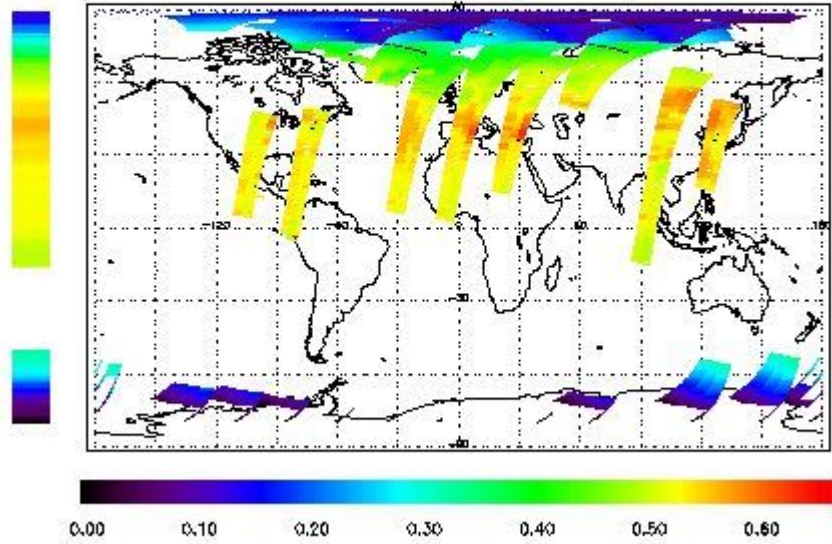
### Ozone Line Ratio



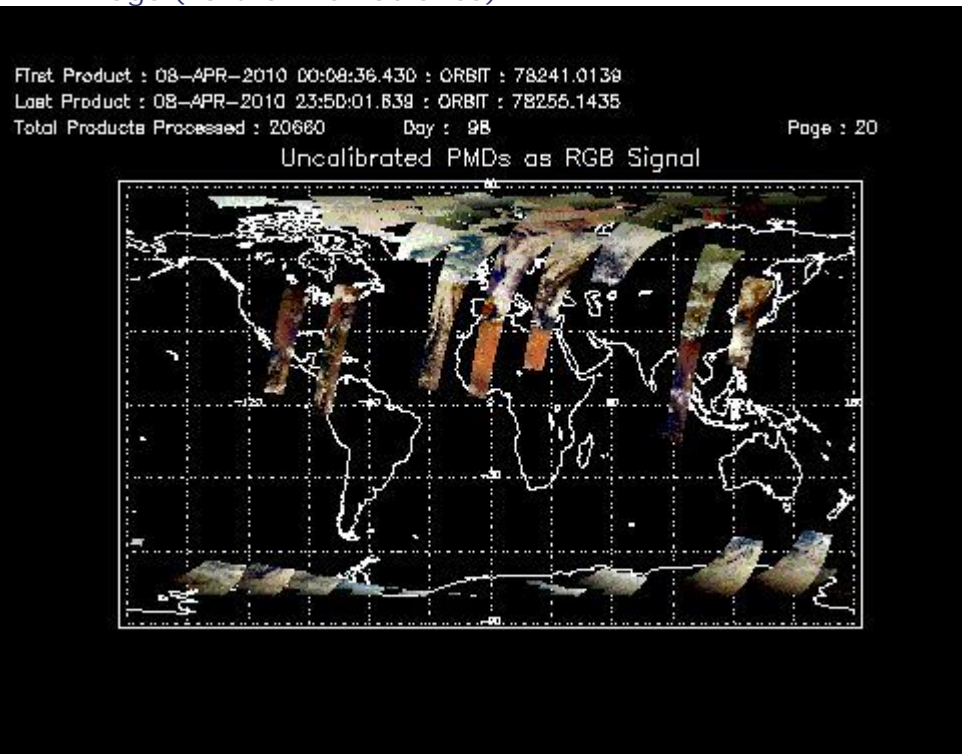
First Product : 08-APR-2010 00:08:36.430 : ORBIT : 78241.0139  
 Last Product : 08-APR-2010 23:50:01.639 : ORBIT : 78256.1435  
 Total Products Processed : 20660 Day : 98

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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	17:13:50.212	--	78251	Yes	--	15205

#### 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
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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
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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