

# GOME Daily Report

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## 1 - General Info

### 1.1 - Report Summary

Item	Value
Report Version	GOMEver3_3
Report of Day	25-MAY-2010
Start Time of First Product	00:31:57
Stop Time of Last Product	23:36:17
Number of EGOI Products analysed	37
Number of corrupted products	--
Anomalies and/or Special Operations	<span style="color: red;">Narrow Swath continued from previous day, stop orbit: 78924</span>

### 1.2 - List of received products

Name	Date	Time
EGOI_100525BEEP2837.E2	25-MAY-2010	02:43:27.743
EGOI_100525BEEP2843.E2	25-MAY-2010	04:23:43.349
EGOI_100525GSEP7113.E2	25-MAY-2010	02:17:44.087
EGOI_100525GSEP7143.E2	25-MAY-2010	03:57:16.192
EGOI_100525GSEP7150.E2	25-MAY-2010	05:39:43.821
EGOI_100525KSEP8673.E2	25-MAY-2010	07:37:55.036
EGOI_100525KSEP8693.E2	25-MAY-2010	09:17:54.150
EGOI_100525KSEP8715.E2	25-MAY-2010	10:57:32.260
EGOI_100525KSEP8723.E2	25-MAY-2010	12:36:49.363

EGOI_100525KSEP8728.E2	25-MAY-2010	14:15:45.474
EGOI_100525KSEP8733.E2	25-MAY-2010	15:53:35.565
EGOI_100525KSEP8738.E2	25-MAY-2010	17:31:33.163
EGOI_100525KSEP8743.E2	25-MAY-2010	19:09:21.759
EGOI_100525KSEP8748.E2	25-MAY-2010	20:49:08.869
EGOI_100525KSEP8753.E2	25-MAY-2010	22:31:12.487
EGOI_100525MAEP2595.E2	25-MAY-2010	09:25:09.197
EGOI_100525MAEP2602.E2	25-MAY-2010	11:06:05.311
EGOI_100525MAEP2607.E2	25-MAY-2010	22:23:13.941
EGOI_100525MIEP3715.E2	25-MAY-2010	02:14:30.567
EGOI_100525MIEP3737.E2	25-MAY-2010	03:52:34.161
EGOI_100525MIEP3746.E2	25-MAY-2010	14:34:53.083
EGOI_100525MIEP3751.E2	25-MAY-2010	16:11:55.178
EGOI_100525MIEP3756.E2	25-MAY-2010	17:54:52.808
EGOI_100525MMEP8938.E2	25-MAY-2010	01:36:51.333
EGOI_100525MMEP8945.E2	25-MAY-2010	03:19:26.458
EGOI_100525MMEP8953.E2	25-MAY-2010	08:25:05.830
EGOI_100525MMEP8962.E2	25-MAY-2010	10:05:39.443
EGOI_100525MMEP8969.E2	25-MAY-2010	11:46:01.054
EGOI_100525MMEP8978.E2	25-MAY-2010	20:03:25.091
EGOI_100525MMEP8983.E2	25-MAY-2010	21:43:48.202
EGOI_100525MMEP8988.E2	25-MAY-2010	23:23:32.309
EGOI_100525MSEP6641.E2	25-MAY-2010	00:31:56.937
EGOI_100525MSEP6651.E2	25-MAY-2010	11:10:45.843
EGOI_100525MSEP6657.E2	25-MAY-2010	12:50:47.951
EGOI_100525MSEP6664.E2	25-MAY-2010	22:20:04.921
EGOI_100525SGEP5882.E2	25-MAY-2010	02:57:51.829
EGOI_100525SGEP5889.E2	25-MAY-2010	04:34:55.419
EGOI_100525SGEP5894.E2	25-MAY-2010	13:54:06.337
EGOI_100525SGEP5899.E2	25-MAY-2010	15:29:03.917

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### 1.3 - List of data gaps

Station	Orbit	Date	Start Time	Stop Time	Duration (s)
KS	78918	25-MAY-2010	07:36:48.596	07:37:55.035	66.439000
KS	78919	25-MAY-2010	09:16:22.842	09:17:54.150	91.308000
KS	78920	25-MAY-2010	10:55:58.707	10:57:32.259	93.552000
KS	78921	25-MAY-2010	12:35:18.102	12:36:49.362	91.260000
KS	78922	25-MAY-2010	14:14:09.878	14:15:45.473	95.595000
KS	78923	25-MAY-2010	15:52:00.777	15:53:35.564	94.787000
KS	78924	25-MAY-2010	17:29:55.436	17:31:33.162	97.726000
KS	78925	25-MAY-2010	19:08:09.684	19:09:21.759	72.075000

KS	78926	25-MAY-2010	20:48:06.114	20:49:08.868	62.754000
KS	78927	25-MAY-2010	22:30:12.247	22:31:12.486	60.239000
GS	78916	25-MAY-2010	03:56:08.241	03:57:16.191	67.950000
MS	78920	25-MAY-2010	11:09:05.066	11:10:45.842	100.77600
MS	78921	25-MAY-2010	12:49:04.846	12:50:47.951	103.10500
MS	78927	25-MAY-2010	22:18:57.672	22:20:04.920	67.248000
MS	78928	25-MAY-2010	23:58:14.332	23:59:31.027	76.695000
MA	78920	25-MAY-2010	11:04:58.450	11:06:05.310	66.860000
MI	78915	25-MAY-2010	02:13:12.136	02:14:30.567	78.431000
MI	78916	25-MAY-2010	03:50:25.779	03:52:34.161	128.38200
MI	78916	25-MAY-2010	04:00:25.211	04:03:33.319	188.10800
MI	78922	25-MAY-2010	14:33:37.238	14:34:53.083	75.845000
MI	78923	25-MAY-2010	16:10:27.785	16:11:55.177	87.392000
MM	78925	25-MAY-2010	20:02:15.792	20:03:25.090	69.298000
MM	78926	25-MAY-2010	21:42:00.885	21:43:48.202	107.31700
BE	78915	25-MAY-2010	02:41:53.106	02:43:27.742	94.636000
BE	78916	25-MAY-2010	04:21:57.053	04:23:43.349	106.29600
SG	78915	25-MAY-2010	02:53:18.267	02:57:51.828	273.56100
SG	78916	25-MAY-2010	04:33:31.445	04:34:55.418	83.973000
SG	78922	25-MAY-2010	15:27:38.351	15:29:03.916	85.565000

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#### 1.4 - List of missing products

Station	Orbit	Date	Start Time	Stop Time	Duration (s)
MM	78913	24-MAY-2010	23:54:26.979	00:06:00.623	693.64400
HO	78914	25-MAY-2010	01:24:35.965	01:36:51.813	735.84800
GS	78914	25-MAY-2010	00:40:47.640	00:48:39.813	472.17300
CM	78915	25-MAY-2010	03:49:22.529	04:01:38.356	735.82700
MM	78916	25-MAY-2010	05:02:18.264	05:08:07.093	348.82900
MM	78917	25-MAY-2010	06:44:04.230	06:50:46.738	402.50800
KS	78917	25-MAY-2010	05:58:10.510	06:02:58.016	287.50600
CM	78917	25-MAY-2010	05:31:59.633	05:37:52.291	352.65800
JO	78917	25-MAY-2010	06:26:56.999	06:34:15.820	438.82100
JO	78918	25-MAY-2010	08:01:32.546	08:16:28.824	896.27800
JO	78919	25-MAY-2010	09:43:15.596	09:53:58.613	643.01700
HO	78920	25-MAY-2010	11:54:36.306	12:07:41.222	784.91600

HO	78921	25-MAY-2010	13:33:31.638	13:48:11.180	879.54200
MM	78921	25-MAY-2010	13:24:59.727	13:37:42.482	762.75500
BE	78922	25-MAY-2010	13:58:29.207	14:11:52.265	803.05800
HO	78922	25-MAY-2010	15:14:42.019	15:22:49.045	487.02600
MM	78922	25-MAY-2010	15:04:34.167	15:17:14.288	760.12100
GS	78922	25-MAY-2010	14:26:08.554	14:36:54.930	646.37600
BE	78923	25-MAY-2010	15:40:21.417	15:49:50.675	569.25800
MM	78923	25-MAY-2010	16:43:52.462	16:56:24.639	752.17700
GS	78923	25-MAY-2010	16:04:34.887	16:18:29.907	835.02000
CM	78923	25-MAY-2010	16:13:18.473	16:25:37.211	738.73800
MM	78924	25-MAY-2010	18:23:00.783	18:35:35.196	754.41300
GS	78924	25-MAY-2010	17:44:53.901	17:55:20.337	626.43600
CM	78924	25-MAY-2010	17:55:12.657	18:01:19.001	366.34400
MA	78925	25-MAY-2010	19:05:58.018	19:12:57.325	419.30700
JO	78925	25-MAY-2010	20:21:39.429	20:36:24.913	885.48400
MA	78926	25-MAY-2010	20:40:04.380	20:53:45.585	821.20500
JO	78926	25-MAY-2010	22:01:51.687	22:14:02.753	731.06600
HO	78927	25-MAY-2010	23:12:57.424	23:26:55.895	838.47100

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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

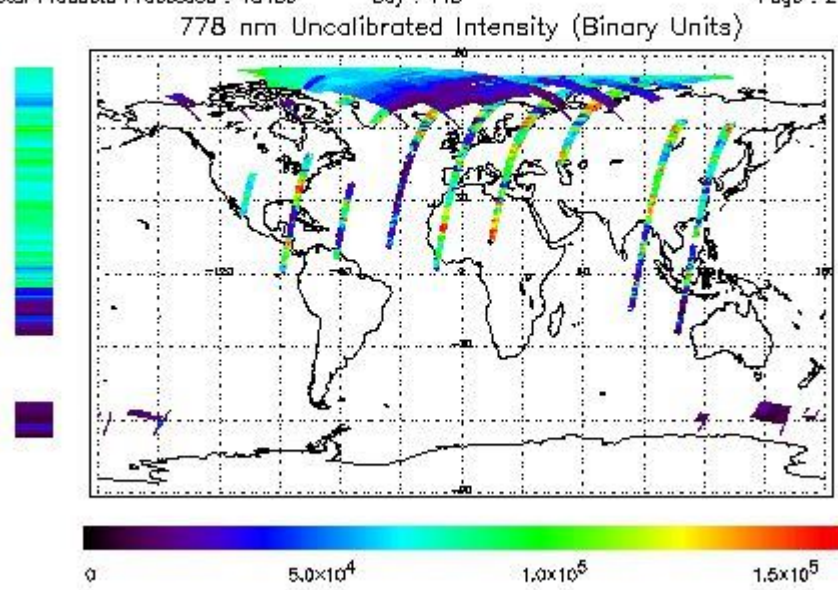
FPA Temperatures A	OK
FPA Temperaturas B	OK
Charge Amp Temperatures	OK
Other Temperatures A	OK
DDHU Temperatures	OK
Optical Bench Temperatures	OK
Other Temperatures B	OK
Calibration Lamp and Instr. Status 3	OK
Scan Mirror and Motor Current	OK
Selected Temperature A	OK
Selected Temperature B	OK
Selected 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 : 25-MAY-2010 00:31:56.937 : ORBIT : 78914.0173  
 Last Product : 25-MAY-2010 23:36:17.387 : ORBIT : 78927.7783  
 Total Products Processed : 18489 Day : 145 Page : 21

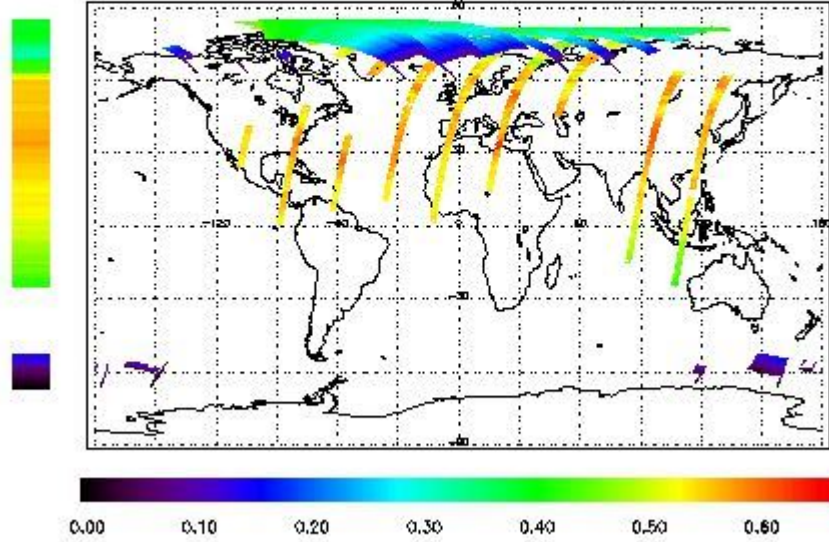


### Ozone Line Ratio

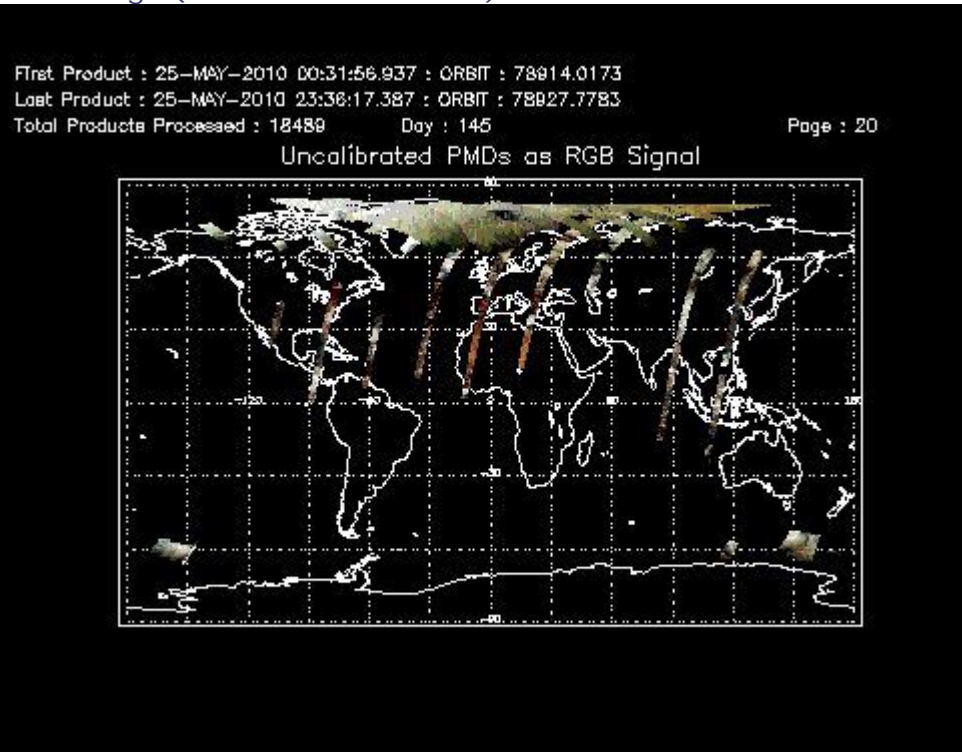
First Product : 25-MAY-2010 00:31:56.937 : ORBIT : 78914.0173  
 Last Product : 25-MAY-2010 23:36:17.387 : ORBIT : 78927.7783  
 Total Products Processed : 18489 Day : 145

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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	19:13:23.290	--	78925	Yes	--	14412

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

### 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
21:00	19:00	78868	78924

## 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