

# GOME Daily Report

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## 1 - General Info

### 1.1 - Report Summary

Item	Value
Report Version	GOMEver3_3
Report of Day	21-JAN-2010
Start Time of First Product	00:29:48
Stop Time of Last Product	22:41:24
Number of EGOI Products analysed	32
Number of corrupted products	--
Anomalies and/or Special Operations	Nominal Data

### 1.2 - List of received products

Name	Date	Time
EGOI_100121BEEP1722.E2	21-JAN-2010	02:41:32.609
EGOI_100121BEEP1728.E2	21-JAN-2010	04:21:25.724
EGOI_100121GSEP7868.E2	21-JAN-2010	02:14:57.945
EGOI_100121GSEP7895.E2	21-JAN-2010	03:55:07.563
EGOI_100121GSEP7903.E2	21-JAN-2010	05:37:44.198
EGOI_100121KSEP7765.E2	21-JAN-2010	07:35:49.430
EGOI_100121KSEP7788.E2	21-JAN-2010	09:15:50.046
EGOI_100121KSEP7817.E2	21-JAN-2010	10:55:28.160
EGOI_100121KSEP7850.E2	21-JAN-2010	12:34:48.267

EGOI_100121KSEP7873.E2	21-JAN-2010	14:13:44.374
EGOI_100121KSEP7892.E2	21-JAN-2010	15:51:34.477
EGOI_100121KSEP7923.E2	21-JAN-2010	17:29:30.581
EGOI_100121KSEP7959.E2	21-JAN-2010	19:07:19.184
EGOI_100121KSEP7993.E2	21-JAN-2010	20:47:04.798
EGOI_100121KSEP8023.E2	21-JAN-2010	22:29:08.437
EGOI_100121MAEP8051.E2	21-JAN-2010	09:23:03.585
EGOI_100121MAEP8062.E2	21-JAN-2010	11:03:04.204
EGOI_100121MAEP8081.E2	21-JAN-2010	22:21:05.386
EGOI_100121MIEP0903.E2	21-JAN-2010	02:12:41.433
EGOI_100121MIEP0924.E2	21-JAN-2010	03:50:25.536
EGOI_100121MIEP0944.E2	21-JAN-2010	14:33:00.996
EGOI_100121MIEP0971.E2	21-JAN-2010	16:09:46.591
EGOI_100121MIEP0991.E2	21-JAN-2010	17:52:32.222
EGOI_100121MSEP2179.E2	21-JAN-2010	00:29:48.297
EGOI_100121MSEP2199.E2	21-JAN-2010	11:08:43.235
EGOI_100121MSEP2226.E2	21-JAN-2010	12:48:25.850
EGOI_100121MSEP2255.E2	21-JAN-2010	22:17:57.866
EGOI_100121SGEP3088.E2	21-JAN-2010	02:52:43.179
EGOI_100121SGEP3095.E2	21-JAN-2010	04:32:33.290
EGOI_100121SGEP3102.E2	21-JAN-2010	13:52:27.745
EGOI_100121SGEP3109.E2	21-JAN-2010	15:27:04.333
EGOI_100121SGEP3116.E2	21-JAN-2010	17:12:13.975

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### 1.3 - List of data gaps

Station	Orbit	Date	Start Time	Stop Time	Duration (s)
KS	77143	21-JAN-2010	07:33:58.189	07:35:49.429	111.24000
KS	77144	21-JAN-2010	09:13:32.029	09:15:50.046	138.01700
KS	77145	21-JAN-2010	10:53:08.112	10:55:28.160	140.04800
KS	77146	21-JAN-2010	12:32:28.231	12:34:48.266	140.03500
KS	77147	21-JAN-2010	14:11:20.851	14:13:44.374	143.52300
KS	77148	21-JAN-2010	15:49:13.279	15:51:34.476	141.19700
KS	77149	21-JAN-2010	17:27:07.316	17:29:30.581	143.26500
KS	77150	21-JAN-2010	19:05:19.881	19:07:19.183	119.30200
KS	77151	21-JAN-2010	20:45:13.180	20:47:04.797	111.61700
KS	77152	21-JAN-2010	22:27:14.979	22:29:08.436	113.45700
GS	77140	21-JAN-2010	02:13:44.244	02:14:57.944	73.700000
GS	77141	21-JAN-2010	03:53:12.549	03:55:07.562	115.01300
MS	77139	21-JAN-2010	00:27:59.638	00:29:48.296	108.65800
MS	77145	21-JAN-2010	11:06:16.453	11:08:43.235	146.78200

MS	77146	21-JAN-2010	12:46:07.456	12:48:25.849	138.39300
MS	77152	21-JAN-2010	22:16:13.188	22:17:57.866	104.67800
MS	77153	21-JAN-2010	23:55:18.549	23:57:20.981	122.43200
MA	77144	21-JAN-2010	09:21:42.943	09:23:03.585	80.642000
MA	77145	21-JAN-2010	11:01:59.393	11:03:04.204	64.811000
MI	77140	21-JAN-2010	02:10:33.305	02:12:41.432	128.12700
MI	77141	21-JAN-2010	03:47:33.379	03:50:25.535	172.15600
MI	77147	21-JAN-2010	14:31:02.332	14:33:00.995	118.66300
MI	77148	21-JAN-2010	16:07:36.934	16:09:46.590	129.65600
MI	77149	21-JAN-2010	17:50:36.999	17:52:32.222	115.22300
BE	77140	21-JAN-2010	02:39:03.684	02:41:32.608	148.92400
BE	77141	21-JAN-2010	04:19:03.294	04:21:25.723	142.42900
SG	77140	21-JAN-2010	02:50:32.519	02:52:43.179	130.66000
SG	77141	21-JAN-2010	04:30:32.870	04:32:33.290	120.42000
SG	77147	21-JAN-2010	15:24:48.381	15:27:04.332	135.95100

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#### 1.4 - List of missing products

Station	Orbit	Date	Start Time	Stop Time	Duration (s)
MM	77138	20-JAN-2010	23:51:33.078	00:03:09.034	695.95600
HO	77139	21-JAN-2010	01:21:35.978	01:34:05.739	749.76100
MM	77139	21-JAN-2010	01:33:31.360	01:43:21.533	590.17300
MM	77140	21-JAN-2010	03:16:24.297	03:23:53.885	449.58800
CM	77140	21-JAN-2010	03:46:34.648	03:58:46.719	732.07100
MM	77141	21-JAN-2010	04:59:22.524	05:05:12.270	349.74600
MM	77142	21-JAN-2010	06:41:10.868	06:47:49.989	399.12100
KS	77142	21-JAN-2010	05:55:25.696	05:59:51.164	265.46800
CM	77142	21-JAN-2010	05:28:48.353	05:35:21.596	393.24300
JO	77142	21-JAN-2010	06:24:28.246	06:31:10.046	401.80000
MM	77143	21-JAN-2010	08:21:56.032	08:30:53.622	537.59000
JO	77143	21-JAN-2010	07:58:43.929	08:13:37.788	893.85900
MM	77144	21-JAN-2010	10:02:14.598	10:13:15.638	661.04000
JO	77144	21-JAN-2010	09:40:13.467	09:51:17.564	664.09700
MM	77145	21-JAN-2010	11:42:18.510	11:54:33.821	735.31100
MM	77146	21-JAN-2010	13:22:08.792	13:34:51.308	762.51600
BE	77147	21-JAN-2010	13:55:39.819	14:09:01.522	801.70300

HO	77147	21-JAN-2010	15:11:46.178	15:20:07.174	500.99600
MM	77147	21-JAN-2010	15:01:43.700	15:14:24.078	760.37800
GS	77147	21-JAN-2010	14:23:23.082	14:33:54.857	631.77500
BE	77148	21-JAN-2010	15:37:19.776	15:47:07.321	587.54500
MM	77148	21-JAN-2010	16:41:02.417	16:53:34.713	752.29600
GS	77148	21-JAN-2010	16:01:44.305	16:15:39.975	835.67000
CM	77148	21-JAN-2010	16:10:29.862	16:22:45.379	735.51700
MM	77149	21-JAN-2010	18:20:10.841	18:32:45.035	754.19400
GS	77149	21-JAN-2010	17:42:00.278	17:52:38.448	638.17000
CM	77149	21-JAN-2010	17:52:06.470	17:58:48.458	401.98800
MM	77150	21-JAN-2010	19:59:25.344	20:12:08.148	762.80400
MA	77150	21-JAN-2010	19:03:23.959	19:08:50.709	326.75000
JO	77150	21-JAN-2010	20:18:50.943	20:33:32.234	881.29100
MM	77151	21-JAN-2010	21:39:09.257	21:51:47.739	758.48200
MA	77151	21-JAN-2010	20:37:14.899	20:50:54.837	819.93800
JO	77151	21-JAN-2010	21:58:56.322	22:11:21.165	744.84300
HO	77152	21-JAN-2010	23:10:12.849	23:24:04.417	831.56800
MM	77152	21-JAN-2010	23:19:43.723	23:31:42.270	718.54700

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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

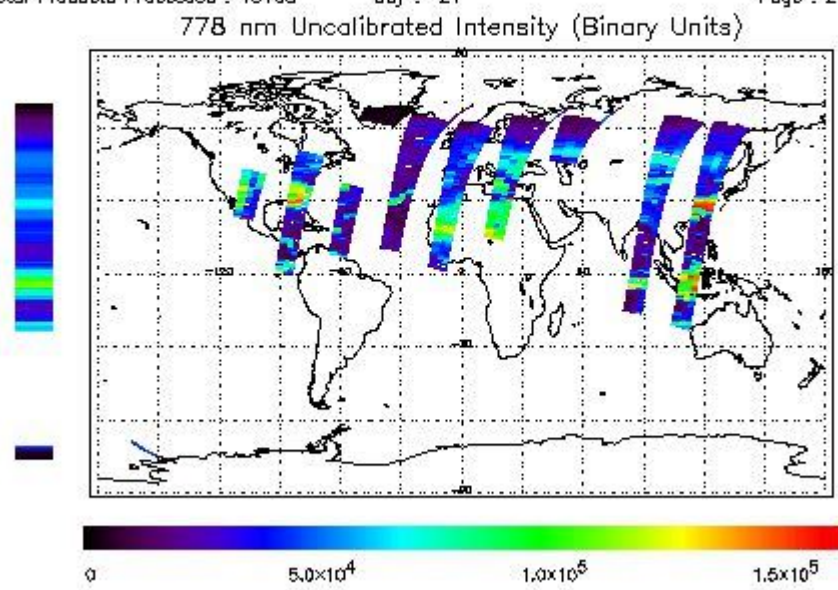
FPA Temperatures A	OK
FPA Temperaturas B	OK
Charge Amp Temperatures	OK
Other Temperatures A	OK
DDHU Temperatures	OK
Optical Bench Temperatures	OK
Other Temperatures B	OK
Calibration Lamp and Instr. Status 3	OK
Scan Mirror and Motor Current	OK
Selected Temperature A	OK
Selected Temperature B	OK
Selected 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 : 21-JAN-2010 00:29:48.297 : ORBIT : 77139.0246  
 Last Product : 21-JAN-2010 22:41:23.511 : ORBIT : 77152.2612  
 Total Products Processed : 15168 Day : 21 Page : 21

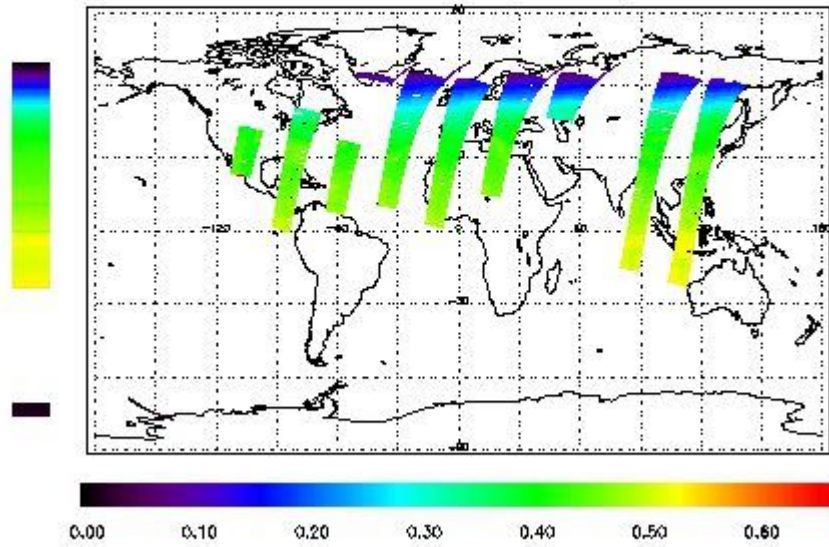


### Ozone Line Ratio

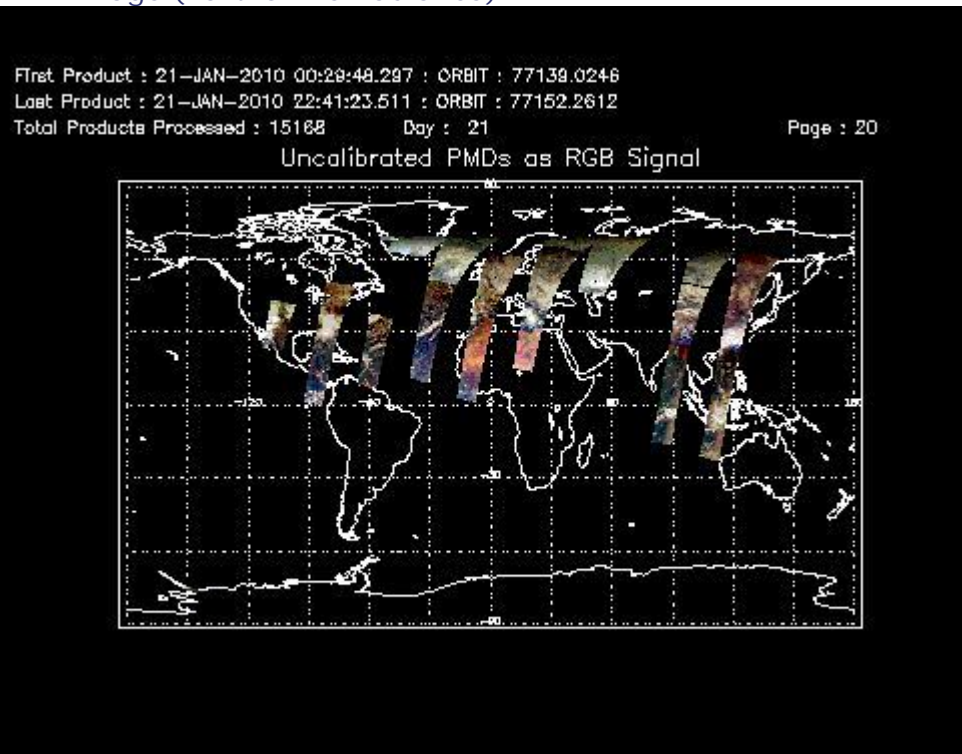
First Product : 21-JAN-2010 00:29:48.297 : ORBIT : 77139.0246  
 Last Product : 21-JAN-2010 22:41:23.511 : ORBIT : 77152.2612  
 Total Products Processed : 15168 Day : 21

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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	11:00:22.187	--	77145	Yes	--	15148

#### 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
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### 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
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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