

# GOME Daily Report

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## 1 - General Info

### 1.1 - Report Summary

Item	Value
Report Version	GOMEver3_3
Report of Day	29-JAN-2010
Start Time of First Product	23:52:27 (28-Jan)
Stop Time of Last Product	23:29:40
Number of EGOI Products analysed	35
Number of corrupted products	--
Anomalies and/or Special Operations	Nominal Data

### 1.2 - List of received products

Name	Date	Time
EGOI_100129CMEP6419.E2	29-JAN-2010	02:58:33.871
EGOI_100129CMEP6425.E2	29-JAN-2010	04:38:38.994
EGOI_100129CMEP6431.E2	29-JAN-2010	15:22:05.481
EGOI_100129CMEP6436.E2	29-JAN-2010	17:00:12.085
EGOI_100129GSEP8437.E2	29-JAN-2010	01:25:24.292
EGOI_100129GSEP8465.E2	29-JAN-2010	03:02:54.899
EGOI_100129GSEP8493.E2	29-JAN-2010	04:45:27.033
EGOI_100129GSEP8499.E2	29-JAN-2010	06:27:21.664
EGOI_100129KSEP0002.E2	29-JAN-2010	10:04:12.508

EGOI_100129KSEP0027.E2	29-JAN-2010	11:43:46.124
EGOI_100129KSEP0047.E2	29-JAN-2010	13:22:46.740
EGOI_100129KSEP0075.E2	29-JAN-2010	15:01:29.348
EGOI_100129KSEP0107.E2	29-JAN-2010	16:39:02.952
EGOI_100129KSEP0139.E2	29-JAN-2010	18:17:06.560
EGOI_100129KSEP0175.E2	29-JAN-2010	19:55:34.172
EGOI_100129KSEP0200.E2	29-JAN-2010	21:36:24.295
EGOI_100129KSEP0221.E2	29-JAN-2010	23:19:17.435
EGOI_100129KSEP9940.E2	28-JAN-2010	23:52:26.710
EGOI_100129KSEP9956.E2	29-JAN-2010	06:44:35.273
EGOI_100129KSEP9978.E2	29-JAN-2010	08:24:31.396
EGOI_100129MAEP8332.E2	29-JAN-2010	08:32:26.939
EGOI_100129MAEP8348.E2	29-JAN-2010	10:11:39.555
EGOI_100129MAEP8365.E2	29-JAN-2010	21:28:27.248
EGOI_100129MIEP1712.E2	29-JAN-2010	02:58:51.875
EGOI_100129MIEP1738.E2	29-JAN-2010	04:39:22.494
EGOI_100129MIEP1757.E2	29-JAN-2010	15:19:02.462
EGOI_100129MIEP1782.E2	29-JAN-2010	16:58:43.577
EGOI_100129MSEP3125.E2	29-JAN-2010	10:19:05.103
EGOI_100129MSEP3154.E2	29-JAN-2010	11:56:43.210
EGOI_100129MSEP3173.E2	29-JAN-2010	13:38:52.838
EGOI_100129MSEP3191.E2	29-JAN-2010	21:29:37.756
EGOI_100129MSEP3223.E2	29-JAN-2010	23:05:36.845
EGOI_100129SGEP3285.E2	29-JAN-2010	03:40:37.130
EGOI_100129SGEP3292.E2	29-JAN-2010	14:38:03.703
EGOI_100129SGEP3297.E2	29-JAN-2010	16:16:13.311

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### 1.3 - List of data gaps

Station	Orbit	Date	Start Time	Stop Time	Duration (s)
KS	77259	29-JAN-2010	10:01:55.619	10:04:12.508	136.88900
KS	77260	29-JAN-2010	11:41:26.129	11:43:46.123	139.99400
KS	77261	29-JAN-2010	13:20:31.733	13:22:46.739	135.00600
KS	77262	29-JAN-2010	14:59:05.991	15:01:29.348	143.35700
KS	77263	29-JAN-2010	16:36:42.909	16:39:02.951	140.04200
KS	77264	29-JAN-2010	18:14:35.173	18:17:06.559	151.38600
KS	77265	29-JAN-2010	19:53:37.308	19:55:34.172	116.86400
KS	77266	29-JAN-2010	21:34:27.933	21:36:24.295	116.36200
KS	77267	29-JAN-2010	23:17:51.245	23:19:17.435	86.190000
KS	77253	28-JAN-2010	23:51:09.329	23:52:26.709	77.380000
KS	77257	29-JAN-2010	06:42:58.310	06:44:35.272	96.962000
KS	77258	29-JAN-2010	08:22:18.030	08:24:31.395	133.36500

GS	77254	29-JAN-2010	01:23:40.851	01:25:24.292	103.44100
GS	77255	29-JAN-2010	03:01:15.499	03:02:54.899	99.400000
GS	77256	29-JAN-2010	04:43:51.987	04:45:27.033	95.046000
MS	77259	29-JAN-2010	10:16:43.662	10:19:05.102	141.44000
MS	77260	29-JAN-2010	11:54:16.990	11:56:43.210	146.22000
MS	77267	29-JAN-2010	23:03:33.966	23:05:36.845	122.87900
MA	77258	29-JAN-2010	08:31:07.013	08:32:26.938	79.925000
MA	77259	29-JAN-2010	10:09:59.665	10:11:39.555	99.890000
MA	77266	29-JAN-2010	21:26:04.639	21:28:27.248	142.60900
MI	77255	29-JAN-2010	02:56:44.515	02:58:51.874	127.35900
MI	77256	29-JAN-2010	04:37:18.099	04:39:22.494	124.39500
MI	77262	29-JAN-2010	15:16:58.692	15:19:02.462	123.77000
MI	77263	29-JAN-2010	16:56:30.760	16:58:43.576	132.81600
SG	77255	29-JAN-2010	03:38:16.339	03:40:37.129	140.79000
SG	77261	29-JAN-2010	14:34:46.959	14:38:03.703	196.74400
SG	77262	29-JAN-2010	16:13:41.972	16:16:13.310	151.33800
CM	77255	29-JAN-2010	02:57:28.450	02:58:33.871	65.421000
CM	77262	29-JAN-2010	15:21:00.821	15:22:05.481	64.660000
CM	77263	29-JAN-2010	16:58:53.588	17:00:12.084	78.496000

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#### 1.4 - List of missing products

Station	Orbit	Date	Start Time	Stop Time	Duration (s)
HO	77253	29-JAN-2010	00:29:05.334	00:43:42.425	877.09100
MM	77253	29-JAN-2010	00:40:56.740	00:51:47.541	650.80100
BE	77254	29-JAN-2010	01:48:43.492	01:59:44.550	661.05800
MM	77254	29-JAN-2010	02:23:24.650	02:32:08.156	523.50600
SG	77254	29-JAN-2010	02:02:34.380	02:09:37.884	423.50400
BE	77255	29-JAN-2010	03:27:20.076	03:40:30.264	790.18800
MM	77255	29-JAN-2010	04:06:29.626	04:12:57.580	387.95400
MM	77256	29-JAN-2010	05:49:00.241	05:54:54.242	354.00100
MM	77257	29-JAN-2010	07:30:12.042	07:37:55.636	463.59400
JO	77257	29-JAN-2010	07:09:01.082	07:21:47.885	766.80300
MM	77258	29-JAN-2010	09:10:41.503	09:20:44.294	602.79100
JO	77258	29-JAN-2010	08:47:08.768	09:01:41.638	872.87000
MM	77259	29-JAN-2010	10:50:52.432	11:02:36.077	703.64500

MM	77260	29-JAN-2010	12:30:49.872	12:43:23.424	753.55200
MA	77260	29-JAN-2010	11:51:59.580	11:57:05.331	305.75100
HO	77261	29-JAN-2010	14:19:29.910	14:32:10.029	760.11900
MM	77261	29-JAN-2010	14:10:32.930	14:23:16.644	763.71400
SG	77261	29-JAN-2010	14:34:46.959	14:46:48.148	721.18900
BE	77262	29-JAN-2010	14:44:14.022	14:57:07.960	773.93800
MM	77262	29-JAN-2010	15:49:59.827	16:02:35.679	755.85200
GS	77262	29-JAN-2010	15:10:48.522	15:24:02.932	794.41000
MM	77263	29-JAN-2010	17:29:12.175	17:41:43.843	751.66800
GS	77263	29-JAN-2010	16:50:14.055	17:03:20.168	786.11300
MM	77264	29-JAN-2010	19:08:20.870	19:20:59.388	758.51800
JO	77264	29-JAN-2010	19:29:04.271	19:40:41.282	697.01100
MM	77265	29-JAN-2010	20:47:46.691	21:00:30.510	763.81900
MA	77265	29-JAN-2010	19:47:03.238	19:59:41.198	757.96000
JO	77265	29-JAN-2010	21:07:00.063	21:21:48.702	888.63900
HO	77266	29-JAN-2010	22:20:43.730	22:32:30.251	706.52100
MM	77266	29-JAN-2010	22:27:52.924	22:40:17.638	744.71400
HO	77267	29-JAN-2010	23:57:58.438	00:12:29.488	871.05000

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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

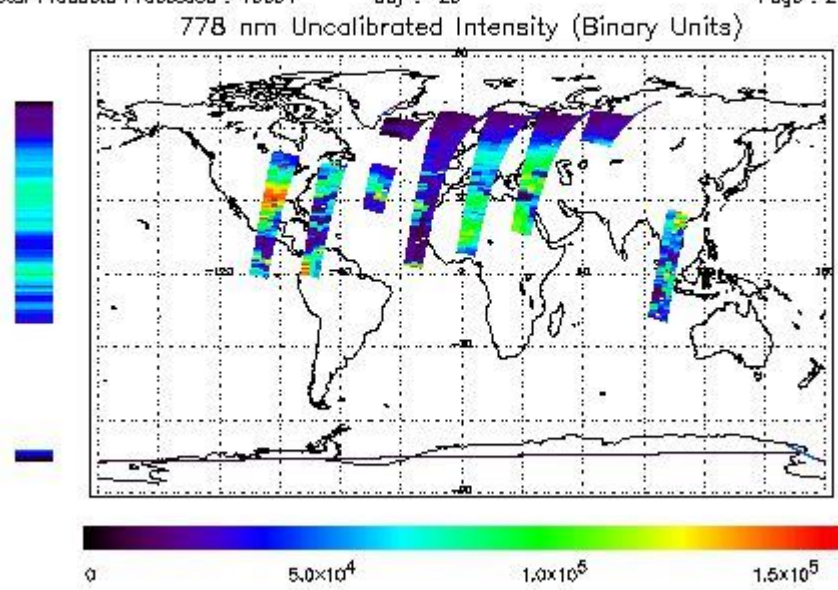
FPA Temperatures A	OK
FPA Temperaturas B	OK
Charge Amp Temperatures	OK
Other Temperatures A	OK
DDHU Temperatures	OK
Optical Bench Temperatures	OK
Other Temperatures B	OK
Calibration Lamp and Instr. Status 3	OK
Scan Mirror and Motor Current	OK
Selected Temperature A	OK
Selected Temperature B	OK
Selected 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 : 28-JAN-2010 23:52:26.710 : ORBIT : 77253.1675  
 Last Product : 29-JAN-2010 23:29:39.993 : ORBIT : 77267.2554  
 Total Products Processed : 18694 Day : 29 Page : 21

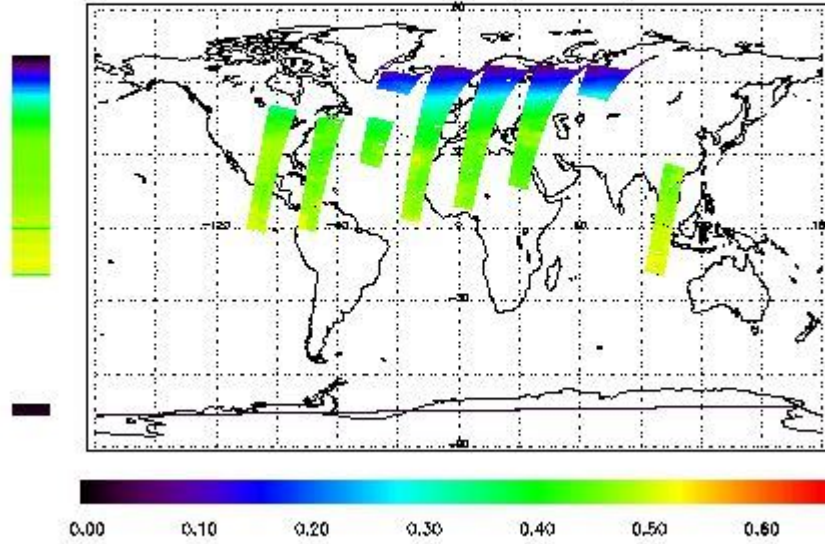


### Ozone Line Ratio

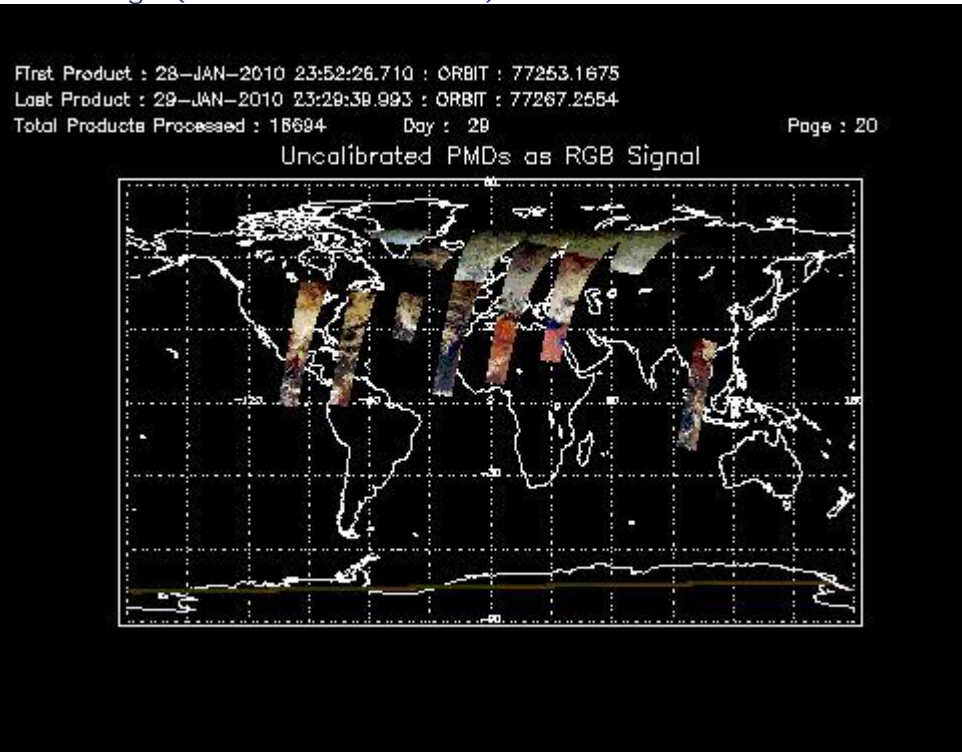
First Product : 28-JAN-2010 23:52:26.710 : ORBIT : 77253.1675  
 Last Product : 29-JAN-2010 23:29:39.993 : ORBIT : 77267.2554  
 Total Products Processed : 18694 Day : 29

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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	13:29:09.278	--	77261	Yes	--	15727

#### 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
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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