

# GOME Daily Report

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## 1 - General Info

### 1.1 - Report Summary

Item	Value
Report Version	GOMEver3_3
Report of Day	26-JAN-2010
Start Time of First Product	23:46:32 (25-JAN)
Stop Time of Last Product	23:24:01
Number of EGOI Products analysed	33
Number of corrupted products	--
Anomalies and/or Special Operations	long science dump over SG, orbit 77220, time interval: 16:16:39-16:23:05

### 1.2 - List of received products

Name	Date	Time
EGOI_100126BEEP1764.E2	26-JAN-2010	03:24:01.350
EGOI_100126GSEP8216.E2	26-JAN-2010	01:20:02.087
EGOI_100126GSEP8248.E2	26-JAN-2010	02:57:40.190
EGOI_100126GSEP8275.E2	26-JAN-2010	04:39:45.320
EGOI_100126GSEP8282.E2	26-JAN-2010	06:21:29.452
EGOI_100126KSEP9069.E2	25-JAN-2010	23:46:31.510
EGOI_100126KSEP9086.E2	26-JAN-2010	06:38:55.052
EGOI_100126KSEP9108.E2	26-JAN-2010	08:18:51.169
EGOI_100126KSEP9131.E2	26-JAN-2010	09:58:32.284

EGOI_100126KSEP9155.E2	26-JAN-2010	11:38:07.399
EGOI_100126KSEP9177.E2	26-JAN-2010	13:17:08.007
EGOI_100126KSEP9200.E2	26-JAN-2010	14:55:53.620
EGOI_100126KSEP9216.E2	26-JAN-2010	16:33:31.720
EGOI_100126KSEP9247.E2	26-JAN-2010	18:11:27.824
EGOI_100126KSEP9282.E2	26-JAN-2010	19:49:50.932
EGOI_100126KSEP9312.E2	26-JAN-2010	21:30:27.552
EGOI_100126KSEP9332.E2	26-JAN-2010	23:13:23.691
EGOI_100126MAEP8227.E2	26-JAN-2010	08:27:13.724
EGOI_100126MAEP8242.E2	26-JAN-2010	10:05:59.331
EGOI_100126MAEP8263.E2	26-JAN-2010	21:22:44.005
EGOI_100126MIEP1420.E2	26-JAN-2010	02:53:23.666
EGOI_100126MIEP1447.E2	26-JAN-2010	04:33:27.277
EGOI_100126MIEP1468.E2	26-JAN-2010	15:13:28.226
EGOI_100126MIEP1495.E2	26-JAN-2010	16:52:52.837
EGOI_100126MSEP2768.E2	26-JAN-2010	10:13:41.378
EGOI_100126MSEP2798.E2	26-JAN-2010	11:51:02.977
EGOI_100126MSEP2819.E2	26-JAN-2010	13:32:56.107
EGOI_100126MSEP2835.E2	26-JAN-2010	21:24:39.517
EGOI_100126MSEP2867.E2	26-JAN-2010	22:59:52.101
EGOI_100126SGEP3220.E2	26-JAN-2010	02:00:32.333
EGOI_100126SGEP3226.E2	26-JAN-2010	03:34:32.917
EGOI_100126SGEP3233.E2	26-JAN-2010	14:31:59.471
EGOI_100126SGEP3239.E2	26-JAN-2010	16:10:42.082

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### 1.3 - List of data gaps

Station	Orbit	Date	Start Time	Stop Time	Duration (s)
KS	77214	26-JAN-2010	06:37:19.703	06:38:55.051	95.348000
KS	77215	26-JAN-2010	08:16:36.625	08:18:51.168	134.54300
KS	77216	26-JAN-2010	09:56:14.071	09:58:32.284	138.21300
KS	77217	26-JAN-2010	11:35:45.445	11:38:07.399	141.95400
KS	77218	26-JAN-2010	13:14:53.004	13:17:08.006	135.00200
KS	77219	26-JAN-2010	14:53:31.291	14:55:53.619	142.32800
KS	77220	26-JAN-2010	16:31:09.097	16:33:31.719	142.62200
KS	77221	26-JAN-2010	18:08:58.101	18:11:27.824	149.72300
KS	77222	26-JAN-2010	19:47:55.183	19:49:50.931	115.74800
KS	77223	26-JAN-2010	21:28:38.602	21:30:27.552	108.95000
KS	77224	26-JAN-2010	23:11:51.265	23:13:23.690	92.425000
GS	77211	26-JAN-2010	01:18:14.767	01:20:02.087	107.32000
GS	77212	26-JAN-2010	02:55:33.868	02:57:40.190	126.32200

GS	77213	26-JAN-2010	04:37:46.987	04:39:45.319	118.33200
MS	77216	26-JAN-2010	10:11:18.487	10:13:41.378	142.89100
MS	77217	26-JAN-2010	11:48:38.214	11:51:02.977	144.76300
MS	77224	26-JAN-2010	22:57:55.167	22:59:52.100	116.93300
MA	77215	26-JAN-2010	08:25:36.265	08:27:13.724	97.459000
MA	77216	26-JAN-2010	10:04:17.073	10:05:59.330	102.25700
MA	77223	26-JAN-2010	21:20:18.113	21:22:44.005	145.89200
MI	77212	26-JAN-2010	02:51:12.202	02:53:23.666	131.46400
MI	77213	26-JAN-2010	04:31:19.732	04:33:27.277	127.54500
MI	77219	26-JAN-2010	15:11:26.343	15:13:28.225	121.88200
MI	77220	26-JAN-2010	16:50:41.975	16:52:52.836	130.86100
BE	77212	26-JAN-2010	03:21:37.645	03:24:01.349	143.70400
SG	77212	26-JAN-2010	03:32:34.728	03:34:32.916	118.18800
SG	77218	26-JAN-2010	14:29:21.922	14:31:59.471	157.54900
SG	77219	26-JAN-2010	16:07:51.481	16:10:42.082	170.60100

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#### 1.4 - List of missing products

Station	Orbit	Date	Start Time	Stop Time	Duration (s)
HO	77210	26-JAN-2010	00:23:24.214	00:38:02.355	878.14100
MM	77210	26-JAN-2010	00:35:07.265	00:46:04.018	656.75300
BE	77211	26-JAN-2010	01:43:12.879	01:53:46.466	633.58700
HO	77211	26-JAN-2010	02:07:51.851	02:13:39.960	348.10900
MM	77211	26-JAN-2010	02:17:31.902	02:26:23.569	531.66700
MM	77212	26-JAN-2010	04:00:36.264	04:07:10.548	394.28400
CM	77212	26-JAN-2010	02:52:14.012	03:00:18.994	484.98200
CM	77212	26-JAN-2010	04:29:10.263	04:41:12.740	722.47700
MM	77213	26-JAN-2010	05:43:11.039	05:49:02.375	351.33600
MM	77214	26-JAN-2010	07:24:26.599	07:32:02.075	455.47600
JO	77214	26-JAN-2010	07:03:36.815	07:15:57.884	741.06900
MM	77215	26-JAN-2010	09:04:57.565	09:14:53.129	595.56400
JO	77215	26-JAN-2010	08:41:22.658	08:56:05.177	882.51900
MM	77216	26-JAN-2010	10:45:09.318	10:56:48.600	699.28200
MM	77217	26-JAN-2010	12:25:07.530	12:37:39.473	751.94300
MA	77217	26-JAN-2010	11:45:54.590	11:52:02.065	367.47500
HO	77218	26-JAN-2010	14:13:43.466	14:26:38.785	775.31900

MM	77218	26-JAN-2010	14:04:51.464	14:17:35.315	763.85100
BE	77219	26-JAN-2010	14:38:27.168	14:51:30.358	783.19000
MM	77219	26-JAN-2010	15:44:19.301	15:56:55.671	756.37000
GS	77219	26-JAN-2010	15:05:11.098	15:18:13.917	782.81900
CM	77219	26-JAN-2010	15:15:43.620	15:23:48.357	484.73700
MM	77220	26-JAN-2010	17:23:32.295	17:36:03.877	751.58200
GS	77220	26-JAN-2010	16:44:30.651	16:57:46.849	796.19800
CM	77220	26-JAN-2010	16:53:07.823	17:05:05.451	717.62800
MM	77221	26-JAN-2010	19:02:40.714	19:15:18.686	757.97200
JO	77221	26-JAN-2010	19:23:40.545	19:34:38.892	658.34700
MM	77222	26-JAN-2010	20:42:04.903	20:54:48.852	763.94900
MA	77222	26-JAN-2010	19:41:33.373	19:53:48.578	735.20500
JO	77222	26-JAN-2010	21:01:17.581	21:16:12.159	894.57800
HO	77223	26-JAN-2010	22:15:19.633	22:26:43.827	684.19400
MM	77223	26-JAN-2010	22:22:08.274	22:34:35.123	746.84900
JO	77223	26-JAN-2010	22:43:41.015	22:50:33.590	412.57500
HO	77224	26-JAN-2010	23:52:19.125	00:06:48.354	869.22900

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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

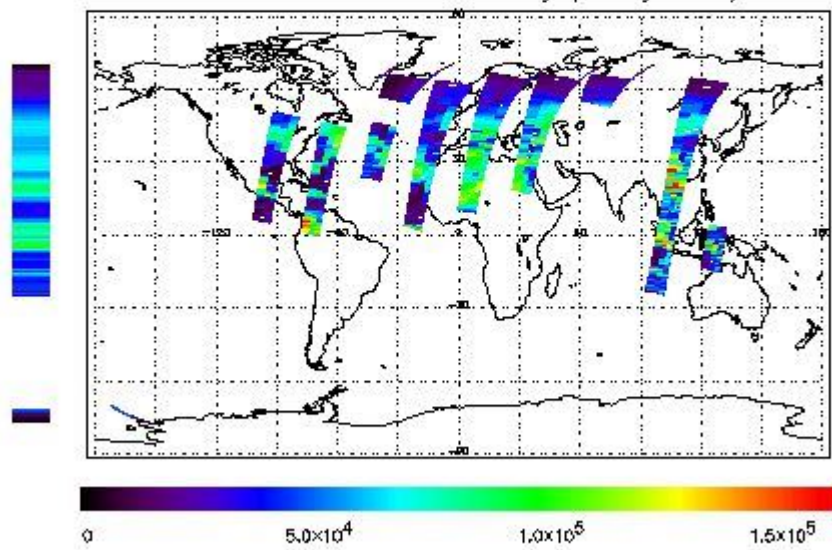
## 2.2 - Daily Plots

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

Fret Product : 25-JAN-2010 23:46:31.510 : ORBIT : 77210.1658  
 Last Product : 26-JAN-2010 23:24:01.253 : ORBIT : 77224.2564  
 Total Products Processed : 15770 Day : 26 Page : 21

778 nm Uncalibrated Intensity (Binary Units)

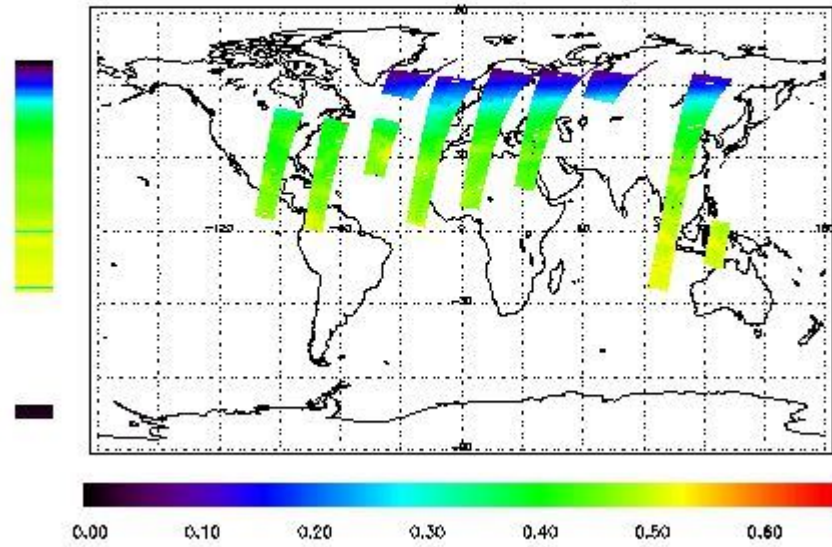


### Ozone Line Ratio

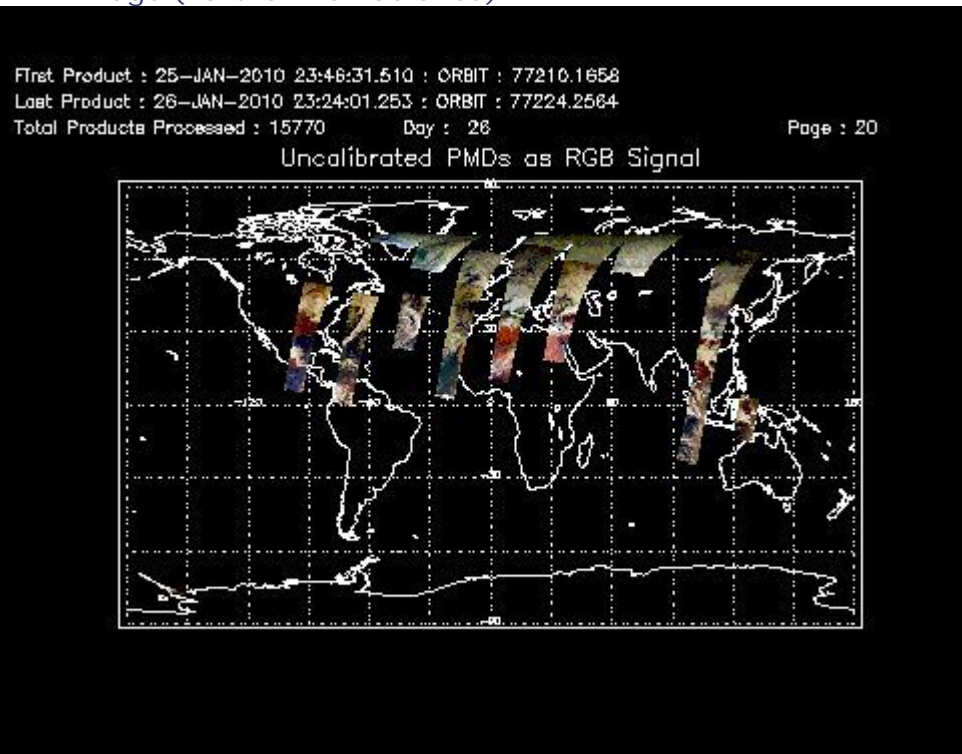
First Product : 25-JAN-2010 23:46:31.510 : ORBIT : 77210.1658  
 Last Product : 26-JAN-2010 23:24:01.253 : ORBIT : 77224.2564  
 Total Products Processed : 15770 Day : 26

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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	11:43:05.930	--	77217	Yes	--	15704

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

### 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