

# GOME Daily Report

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## 1 - General Info

### 1.1 - Report Summary

Item	Value
Report Version	GOMEver3_3
Report of Day	16-FEB-2010
Start Time of First Product	00:11:54
Stop Time of Last Product	23:53:13
Number of EGOI Products analysed	35
Number of corrupted products	1
Anomalies and/or Special Operations	Nominal Data

### 1.2 - List of received products

Name	Date	Time
EGOI_100216BEEP1953.E2	16-FEB-2010	04:03:58.667
EGOI_100216CMEP6710.E2	16-FEB-2010	05:18:39.630
EGOI_100216CMEP6714.E2	16-FEB-2010	15:54:54.045
EGOI_100216GSEP9803.E2	16-FEB-2010	01:58:08.396
EGOI_100216GSEP9832.E2	16-FEB-2010	03:37:13.503
EGOI_100216GSEP9838.E2	16-FEB-2010	05:20:06.641
EGOI_100216KSEP4790.E2	16-FEB-2010	07:18:35.865
EGOI_100216KSEP4813.E2	16-FEB-2010	08:58:34.981
EGOI_100216KSEP4838.E2	16-FEB-2010	10:38:14.597

EGOI_100216KSEP4865.E2	16-FEB-2010	12:17:37.705
EGOI_100216KSEP4881.E2	16-FEB-2010	13:56:35.316
EGOI_100216KSEP4893.E2	16-FEB-2010	15:34:50.924
EGOI_100216KSEP4926.E2	16-FEB-2010	17:12:24.524
EGOI_100216KSEP4961.E2	16-FEB-2010	18:50:23.624
EGOI_100216KSEP4993.E2	16-FEB-2010	20:29:37.733
EGOI_100216KSEP5021.E2	16-FEB-2010	22:11:14.364
EGOI_100216MAEP9000.E2	16-FEB-2010	09:05:51.528
EGOI_100216MAEP9013.E2	16-FEB-2010	10:45:44.640
EGOI_100216MIEP3475.E2	16-FEB-2010	01:56:50.388
EGOI_100216MIEP3499.E2	16-FEB-2010	03:32:23.976
EGOI_100216MIEP3514.E2	16-FEB-2010	05:16:26.118
EGOI_100216MIEP3526.E2	16-FEB-2010	14:18:20.450
EGOI_100216MIEP3551.E2	16-FEB-2010	15:52:36.034
EGOI_100216MMEP3912.E2	16-FEB-2010	11:26:26.890
EGOI_100216MMEP3926.E2	16-FEB-2010	21:23:51.570
EGOI_100216MMEP3933.E2	16-FEB-2010	23:03:43.182
EGOI_100216MSEP5151.E2	16-FEB-2010	00:11:54.241
EGOI_100216MSEP5177.E2	16-FEB-2010	10:51:52.180
EGOI_100216MSEP5205.E2	16-FEB-2010	12:31:01.791
EGOI_100216MSEP5235.E2	16-FEB-2010	22:01:30.797
EGOI_100216MSEP5266.E2	16-FEB-2010	23:39:46.406
EGOI_100216SGEP3740.E2	16-FEB-2010	02:36:20.631
EGOI_100216SGEP3746.E2	16-FEB-2010	04:14:36.234
EGOI_100216SGEP3754.E2	16-FEB-2010	15:10:01.267
EGOI_100216SGEP3760.E2	16-FEB-2010	16:51:52.895

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### 1.3 - List of data gaps

Station	Orbit	Date	Start Time	Stop Time	Duration (s)
KS	77515	16-FEB-2010	07:16:56.443	07:18:35.865	99.422000
KS	77516	16-FEB-2010	08:56:27.190	08:58:34.981	127.79100
KS	77517	16-FEB-2010	10:36:04.297	10:38:14.597	130.30000
KS	77518	16-FEB-2010	12:15:28.423	12:17:37.704	129.28100
KS	77519	16-FEB-2010	13:54:22.759	13:56:35.315	132.55600
KS	77520	16-FEB-2010	15:32:27.909	15:34:50.923	143.01400
KS	77521	16-FEB-2010	17:10:11.822	17:12:24.524	132.70200
KS	77522	16-FEB-2010	18:48:22.592	18:50:23.623	121.03100
KS	77523	16-FEB-2010	20:27:57.732	20:29:37.733	100.00100
KS	77524	16-FEB-2010	22:09:34.438	22:11:14.364	99.926000
KS	77525	16-FEB-2010	23:54:12.979	23:55:20.998	68.019000
GS	77512	16-FEB-2010	01:56:38.006	01:58:08.396	90.390000

GS	77513	16-FEB-2010	03:35:44.443	03:37:13.502	89.059000
MS	77511	16-FEB-2010	00:10:01.879	00:11:54.240	112.36100
MS	77517	16-FEB-2010	10:49:36.088	10:51:52.180	136.09200
MS	77518	16-FEB-2010	12:28:44.393	12:31:01.791	137.39800
MS	77524	16-FEB-2010	21:59:54.646	22:01:30.796	96.150000
MS	77525	16-FEB-2010	23:37:51.890	23:39:46.406	114.51600
MA	77517	16-FEB-2010	10:44:09.312	10:45:44.640	95.328000
MI	77512	16-FEB-2010	01:54:59.948	01:56:50.387	110.43900
MI	77513	16-FEB-2010	03:30:25.778	03:32:23.975	118.19700
MI	77514	16-FEB-2010	05:14:50.826	05:16:26.118	95.292000
MI	77520	16-FEB-2010	15:50:36.073	15:52:36.033	119.96000
MM	77517	16-FEB-2010	11:25:10.209	11:26:26.890	76.681000
MM	77523	16-FEB-2010	21:22:00.359	21:23:51.569	111.21000
MM	77524	16-FEB-2010	23:02:24.953	23:03:43.182	78.229000
BE	77513	16-FEB-2010	04:01:44.170	04:03:58.667	134.49700
SG	77512	16-FEB-2010	02:34:07.148	02:36:20.631	133.48300
SG	77513	16-FEB-2010	04:12:53.023	04:14:36.233	103.21000
SG	77519	16-FEB-2010	15:07:55.119	15:10:01.266	126.14700
SG	77520	16-FEB-2010	16:49:34.407	16:51:52.895	138.48800
CM	77520	16-FEB-2010	15:53:44.695	15:54:54.045	69.350000

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#### 1.4 - List of missing products

Station	Orbit	Date	Start Time	Stop Time	Duration (s)
HO	77511	16-FEB-2010	01:04:05.914	01:17:23.607	797.69300
MM	77511	16-FEB-2010	01:15:57.999	01:26:09.719	611.72000
BE	77512	16-FEB-2010	02:22:10.149	02:34:58.120	767.97100
MM	77512	16-FEB-2010	02:58:43.655	03:06:37.638	473.98300
CM	77512	16-FEB-2010	03:29:55.331	03:41:30.923	695.59200
MM	77513	16-FEB-2010	04:41:46.740	04:47:44.891	358.15100
CM	77513	16-FEB-2010	05:10:20.859	05:19:38.424	557.56500
MM	77514	16-FEB-2010	06:23:49.564	06:30:10.000	380.43600
MM	77515	16-FEB-2010	08:04:42.249	08:13:15.330	513.08100
JO	77515	16-FEB-2010	07:41:58.241	07:56:28.009	869.76800
MM	77516	16-FEB-2010	09:45:04.008	09:55:47.065	643.05700
JO	77516	16-FEB-2010	09:22:15.034	09:34:58.980	763.94600

HO	77517	16-FEB-2010	11:35:04.122	11:47:07.811	723.68900
HO	77518	16-FEB-2010	13:13:35.145	13:28:24.495	889.35000
MM	77518	16-FEB-2010	13:05:02.919	13:17:43.472	760.55300
HO	77519	16-FEB-2010	14:54:14.776	15:03:43.307	568.53100
MM	77519	16-FEB-2010	14:44:40.603	14:57:22.412	761.80900
GS	77519	16-FEB-2010	14:06:59.371	14:15:41.860	522.48900
SG	77519	16-FEB-2010	15:07:55.119	15:21:35.689	820.57000
BE	77520	16-FEB-2010	15:19:22.551	15:30:37.711	675.16000
MM	77520	16-FEB-2010	16:24:01.953	16:36:35.155	753.20200
GS	77520	16-FEB-2010	15:44:42.444	15:58:35.863	833.41900
MM	77521	16-FEB-2010	18:03:11.264	18:15:44.297	753.03300
MI	77521	16-FEB-2010	17:31:58.108	17:39:59.874	481.76600
GS	77521	16-FEB-2010	17:24:41.279	17:36:21.227	699.94800
CM	77521	16-FEB-2010	17:33:59.121	17:43:12.460	553.33900
MM	77522	16-FEB-2010	19:42:23.148	19:55:04.735	761.58700
MA	77522	16-FEB-2010	18:47:33.290	18:51:43.396	250.10600
JO	77522	16-FEB-2010	20:02:04.651	20:16:09.473	844.82200
MA	77523	16-FEB-2010	20:20:22.743	20:34:10.037	827.29400
JO	77523	16-FEB-2010	21:41:29.919	21:55:02.788	812.86900
HO	77524	16-FEB-2010	22:53:39.237	23:06:53.992	794.75500
MA	77524	16-FEB-2010	22:01:51.332	22:12:40.136	648.80400

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## 1.5 - List of corrupted products

Station	Orbit	Time
GS	77512	01:58:17.396

## 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

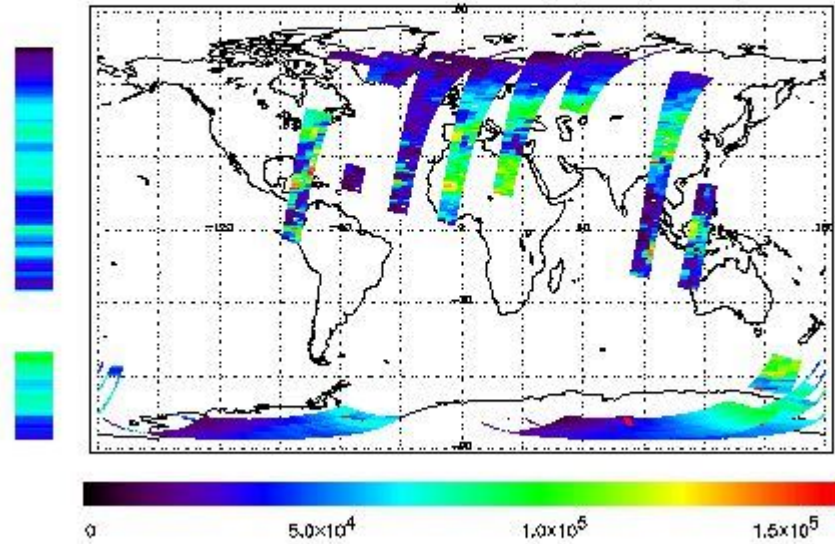
## 2.2 - Daily Plots

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 : 16-FEB-2010 00:11:54.241 : ORBIT : 77511.0181  
 Last Product : 16-FEB-2010 23:53:13.484 : ORBIT : 77525.1487  
 Total Products Processed : 18831 Day : 47 Page : 21

778 nm Uncalibrated Intensity (Binary Units)



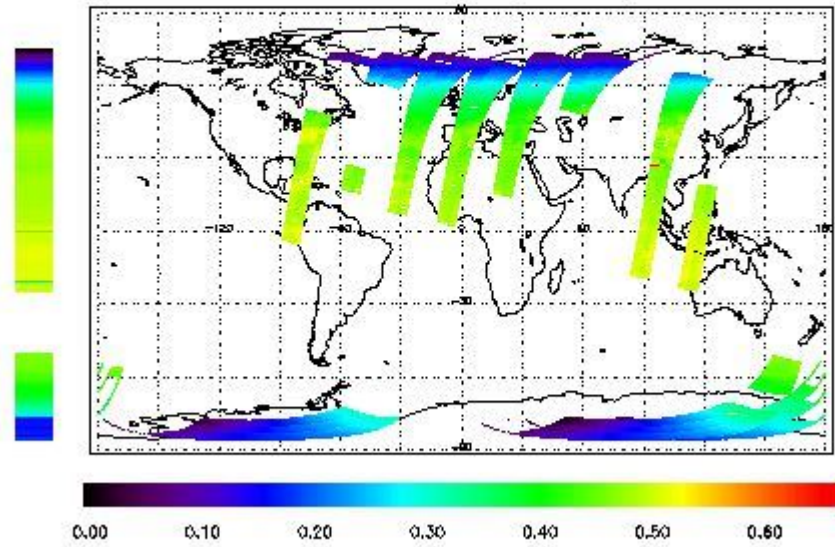
### Ozone Line Ratio



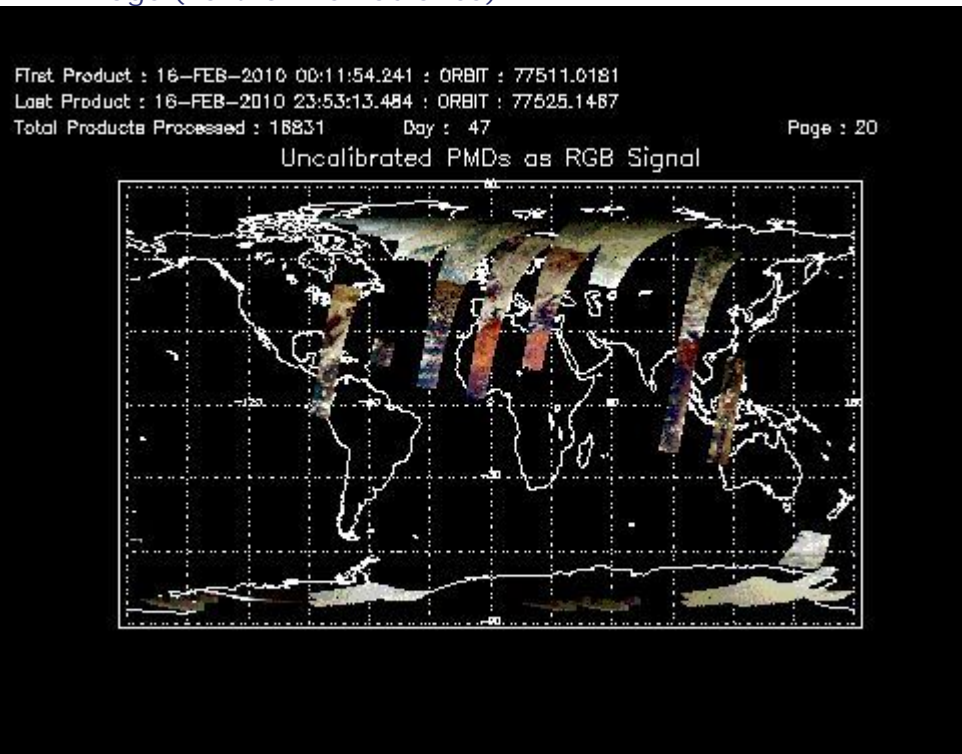
First Product : 16-FEB-2010 00:11:54.241 : ORBIT : 77511.0181  
 Last Product : 16-FEB-2010 23:53:13.484 : ORBIT : 77525.1487  
 Total Products Processed : 18831 Day : 47

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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	10:40:35.608	--	77517	Yes	--	15571

#### 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