

# GOME Daily Report

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## 1 - General Info

### 1.1 - Report Summary

Item	Value
Report Version	GOMEver3_3
Report of Day	14-FEB-2010
Start Time of First Product	23:49:19 (13-Feb)
Stop Time of Last Product	23:26:44
Number of EGOI Products analysed	41
Number of corrupted products	--
Anomalies and/or Special Operations	Narrow Swath performed as planned, start orbit: 77490

### 1.2 - List of received products

Name	Date	Time
EGOI_100214BEEP1935.E2	14-FEB-2010	03:26:43.173
EGOI_100214CMPEP6689.E2	14-FEB-2010	15:19:46.595
EGOI_100214GSEP9621.E2	14-FEB-2010	01:22:39.409
EGOI_100214GSEP9653.E2	14-FEB-2010	02:59:58.005
EGOI_100214GSEP9679.E2	14-FEB-2010	04:42:21.135
EGOI_100214GSEP9687.E2	14-FEB-2010	06:24:14.266
EGOI_100214KSEP4195.E2	13-FEB-2010	23:49:19.337
EGOI_100214KSEP4206.E2	14-FEB-2010	06:41:38.367
EGOI_100214KSEP4227.E2	14-FEB-2010	08:21:34.486

EGOI_100214KSEP4255.E2	14-FEB-2010	10:01:14.098
EGOI_100214KSEP4280.E2	14-FEB-2010	11:40:49.749
EGOI_100214KSEP4313.E2	14-FEB-2010	13:19:50.361
EGOI_100214KSEP4337.E2	14-FEB-2010	14:58:32.965
EGOI_100214KSEP4356.E2	14-FEB-2010	16:36:09.565
EGOI_100214KSEP4389.E2	14-FEB-2010	18:14:08.673
EGOI_100214KSEP4424.E2	14-FEB-2010	19:52:37.777
EGOI_100214KSEP4447.E2	14-FEB-2010	21:33:20.397
EGOI_100214KSEP4467.E2	14-FEB-2010	23:16:18.036
EGOI_100214MAEP8926.E2	14-FEB-2010	08:29:31.537
EGOI_100214MAEP8935.E2	14-FEB-2010	10:20:03.713
EGOI_100214MAEP8952.E2	14-FEB-2010	21:25:26.346
EGOI_100214MIEP3283.E2	14-FEB-2010	02:55:57.981
EGOI_100214MIEP3308.E2	14-FEB-2010	04:36:16.596
EGOI_100214MIEP3335.E2	14-FEB-2010	15:16:12.071
EGOI_100214MIEP3361.E2	14-FEB-2010	16:55:39.683
EGOI_100214MMEP3781.E2	14-FEB-2010	00:39:12.143
EGOI_100214MMEP3790.E2	14-FEB-2010	04:04:07.400
EGOI_100214MMEP3797.E2	14-FEB-2010	05:46:32.027
EGOI_100214MMEP3808.E2	14-FEB-2010	12:29:12.543
EGOI_100214MMEP3816.E2	14-FEB-2010	14:08:55.156
EGOI_100214MMEP3827.E2	14-FEB-2010	20:46:29.107
EGOI_100214MMEP3835.E2	14-FEB-2010	22:26:40.226
EGOI_100214MSEP4926.E2	14-FEB-2010	10:16:14.189
EGOI_100214MSEP4955.E2	14-FEB-2010	11:53:46.828
EGOI_100214MSEP4975.E2	14-FEB-2010	13:35:48.956
EGOI_100214MSEP4992.E2	14-FEB-2010	21:27:11.358
EGOI_100214MSEP5023.E2	14-FEB-2010	23:02:32.946
EGOI_100214SGEP3684.E2	14-FEB-2010	02:03:18.656
EGOI_100214SGEP3691.E2	14-FEB-2010	03:37:40.240
EGOI_100214SGEP3696.E2	14-FEB-2010	14:34:52.317
EGOI_100214SGEP3703.E2	14-FEB-2010	16:13:27.428

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### 1.3 - List of data gaps

Station	Orbit	Date	Start Time	Stop Time	Duration (s)
KS	77486	14-FEB-2010	06:40:08.954	06:41:38.366	89.412000
KS	77487	14-FEB-2010	08:19:27.321	08:21:34.485	127.16400
KS	77488	14-FEB-2010	09:59:04.848	10:01:14.097	129.24900
KS	77489	14-FEB-2010	11:38:35.797	11:40:49.748	133.95100
KS	77490	14-FEB-2010	13:17:42.387	13:19:50.361	127.97400
KS	77491	14-FEB-2010	14:56:18.663	14:58:32.965	134.30200
KS	77492	14-FEB-2010	16:33:56.000	16:36:09.565	133.56500

KS	77493	14-FEB-2010	18:11:46.609	18:14:08.672	142.06300
KS	77494	14-FEB-2010	19:50:46.201	19:52:37.776	111.57500
KS	77495	14-FEB-2010	21:31:33.208	21:33:20.396	107.18800
KS	77496	14-FEB-2010	23:14:51.149	23:16:18.035	86.886000
GS	77483	14-FEB-2010	01:20:57.677	01:22:39.409	101.73200
GS	77484	14-FEB-2010	02:58:24.574	02:59:58.005	93.431000
GS	77485	14-FEB-2010	04:40:49.140	04:42:21.135	91.995000
MS	77488	14-FEB-2010	10:14:00.795	10:16:14.189	133.39400
MS	77489	14-FEB-2010	11:51:27.499	11:53:46.828	139.32900
MS	77496	14-FEB-2010	23:00:44.420	23:02:32.946	108.52600
MA	77487	14-FEB-2010	08:28:21.458	08:29:31.537	70.079000
MA	77488	14-FEB-2010	10:07:08.311	10:20:03.712	775.40100
MA	77495	14-FEB-2010	21:23:11.242	21:25:26.345	135.10300
MI	77484	14-FEB-2010	02:53:58.185	02:55:57.980	119.79500
MI	77485	14-FEB-2010	04:34:18.596	04:36:16.596	118.00000
MI	77491	14-FEB-2010	15:14:12.351	15:16:12.071	119.72000
MI	77492	14-FEB-2010	16:53:36.221	16:55:39.683	123.46200
MM	77482	14-FEB-2010	00:38:01.976	00:39:12.142	70.166000
MM	77489	14-FEB-2010	12:27:58.707	12:29:12.542	73.835000
MM	77490	14-FEB-2010	14:07:42.203	14:08:55.156	72.953000
MM	77494	14-FEB-2010	20:44:55.780	20:46:29.106	93.326000
MM	77495	14-FEB-2010	22:25:00.576	22:26:40.225	99.649000
BE	77484	14-FEB-2010	03:24:28.806	03:26:43.173	134.36700
SG	77484	14-FEB-2010	03:35:25.383	03:37:40.240	134.85700
SG	77484	14-FEB-2010	03:44:01.278	03:49:16.039	314.76100
SG	77490	14-FEB-2010	14:32:04.160	14:34:52.316	168.15600
SG	77491	14-FEB-2010	16:10:46.514	16:13:27.427	160.91300
CM	77491	14-FEB-2010	15:18:21.654	15:19:46.594	84.940000

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#### 1.4 - List of missing products

Station	Orbit	Date	Start Time	Stop Time	Duration (s)
HO	77482	14-FEB-2010	00:26:14.533	00:40:52.435	877.90200
BE	77483	14-FEB-2010	01:45:58.003	01:56:45.763	647.76000
MM	77483	14-FEB-2010	02:20:28.258	02:29:15.852	527.59400
CM	77484	14-FEB-2010	02:54:50.711	03:03:19.576	508.86500

CM	77484	14-FEB-2010	04:32:03.570	04:44:00.162	716.59200
MM	77486	14-FEB-2010	07:27:19.337	07:34:58.862	459.52500
JO	77486	14-FEB-2010	07:06:18.730	07:18:53.028	754.29800
MM	77487	14-FEB-2010	09:07:49.541	09:17:48.736	599.19500
JO	77487	14-FEB-2010	08:44:15.557	08:58:53.512	877.95500
MM	77488	14-FEB-2010	10:48:00.881	10:59:42.366	701.48500
MA	77489	14-FEB-2010	11:48:56.296	11:54:34.571	338.27500
HO	77490	14-FEB-2010	14:16:36.882	14:29:24.322	767.44000
SG	77490	14-FEB-2010	14:32:04.160	14:43:51.538	707.37800
BE	77491	14-FEB-2010	14:41:20.451	14:54:19.236	778.78500
MM	77491	14-FEB-2010	15:47:09.571	15:59:45.679	756.10800
GS	77491	14-FEB-2010	15:07:59.745	15:21:08.561	788.81600
MM	77492	14-FEB-2010	17:26:22.236	17:38:53.857	751.62100
GS	77492	14-FEB-2010	16:47:22.316	17:00:33.617	791.30100
CM	77492	14-FEB-2010	16:56:00.556	17:07:51.868	711.31200
MM	77493	14-FEB-2010	19:05:30.785	19:18:09.030	758.24500
JO	77493	14-FEB-2010	19:26:22.092	19:37:40.451	678.35900
MA	77494	14-FEB-2010	19:44:18.177	19:56:44.564	746.38700
JO	77494	14-FEB-2010	21:04:08.737	21:19:00.572	891.83500
HO	77495	14-FEB-2010	22:18:01.540	22:29:37.367	695.82700
JO	77495	14-FEB-2010	22:46:48.377	22:53:00.620	372.24300
HO	77496	14-FEB-2010	23:55:08.669	00:09:38.961	870.29200

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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

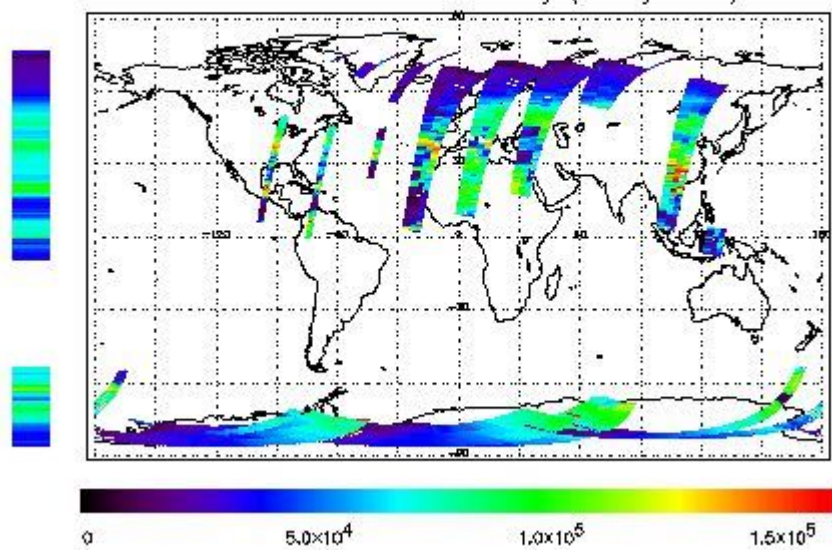
## 2.2 - Daily Plots

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 : 13-FEB-2010 23:49:19.337 : ORBIT : 77482.1650  
 Last Product : 14-FEB-2010 23:26:43.598 : ORBIT : 77496.2547  
 Total Products Processed : 18607 Day : 45 Page : 21

778 nm Uncalibrated Intensity (Binary Units)

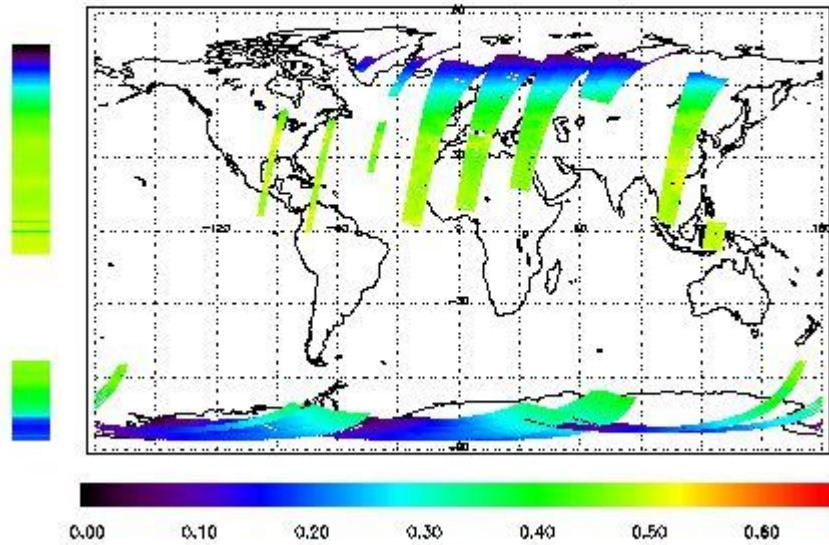


### Ozone Line Ratio

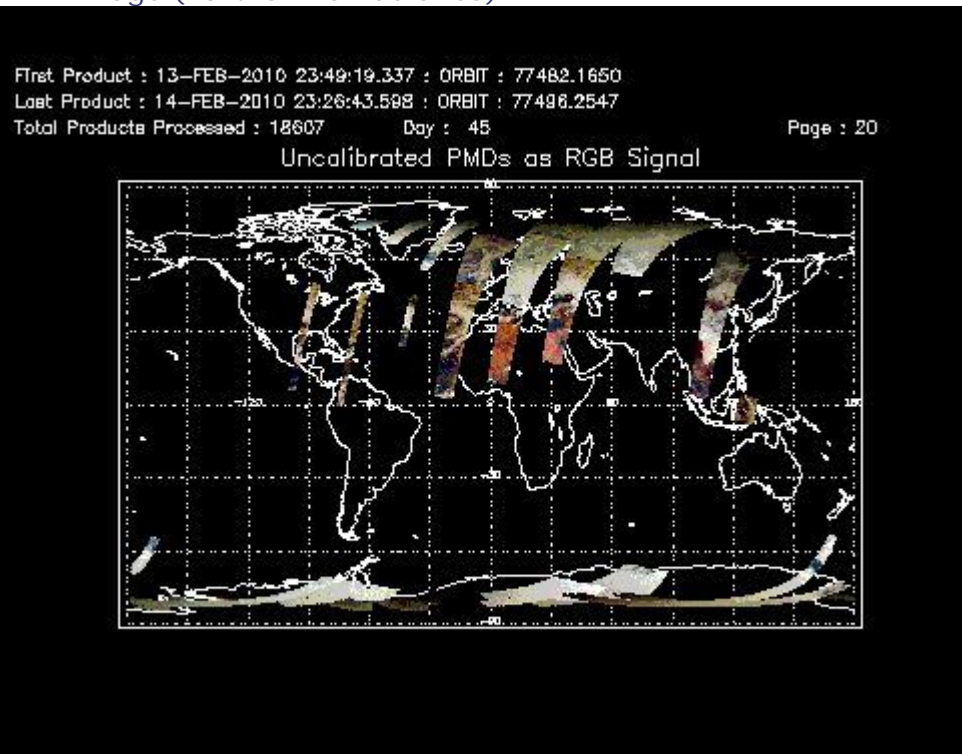
First Product : 13-FEB-2010 23:49:19.337 : ORBIT : 77482.1650  
 Last Product : 14-FEB-2010 23:26:43.598 : ORBIT : 77496.2547  
 Total Products Processed : 18607 Day : 45

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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	11:44:00.268	--	77489	Yes	--	15550

#### 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
13:00	--	77490	--

## 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