

# GOME Daily Report

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## 1 - General Info

### 1.1 - Report Summary

Item	Value
Report Version	GOMEver3_3
Report of Day	15-FEB-2011
Start Time of First Product	23:46:45 (14-Feb)
Stop Time of Last Product	23:24:17
Number of EGOI Products analysed	--
Number of corrupted products	--
Anomalies and/or Special Operations	<b>Narrow Swath continued from previous day, stop orbit: 82730</b>

### 1.2 - List of received products

Name	Date	Time
EGOI_110215CMEP4129.E2	15-FEB-2011	02:53:25.643
EGOI_110215CMEP4138.E2	15-FEB-2011	04:32:59.270
EGOI_110215CMEP4147.E2	15-FEB-2011	15:16:52.798
EGOI_110215CMEP4155.E2	15-FEB-2011	16:54:36.908
EGOI_110215GSEP5878.E2	15-FEB-2011	01:20:11.560
EGOI_110215GSEP5909.E2	15-FEB-2011	02:57:30.167
EGOI_110215GSEP5936.E2	15-FEB-2011	04:39:42.809
EGOI_110215GSEP5943.E2	15-FEB-2011	06:21:40.454
EGOI_110215KSEP2185.E2	14-FEB-2011	23:46:45.467

EGOI_110215KSEP2193.E2	15-FEB-2011	06:39:09.061
EGOI_110215KSEP2210.E2	15-FEB-2011	08:19:05.191
EGOI_110215KSEP2233.E2	15-FEB-2011	09:58:46.317
EGOI_110215KSEP2264.E2	15-FEB-2011	11:38:18.432
EGOI_110215KSEP2282.E2	15-FEB-2011	13:17:23.556
EGOI_110215KSEP2291.E2	15-FEB-2011	14:56:07.671
EGOI_110215KSEP2317.E2	15-FEB-2011	16:34:02.279
EGOI_110215KSEP2347.E2	15-FEB-2011	18:11:41.887
EGOI_110215KSEP2379.E2	15-FEB-2011	19:50:04.999
EGOI_110215KSEP2400.E2	15-FEB-2011	21:30:41.622
EGOI_110215KSEP2425.E2	15-FEB-2011	23:13:37.766
EGOI_110215MAEP2816.E2	15-FEB-2011	08:27:27.738
EGOI_110215MAEP2832.E2	15-FEB-2011	10:06:11.860
EGOI_110215MAEP2849.E2	15-FEB-2011	21:22:59.574
EGOI_110215MIEP3369.E2	15-FEB-2011	02:53:30.143
EGOI_110215MIEP3396.E2	15-FEB-2011	04:33:42.774
EGOI_110215MIEP3424.E2	15-FEB-2011	15:13:48.278
EGOI_110215MIEP3453.E2	15-FEB-2011	16:53:05.401
EGOI_110215MSEP7244.E2	15-FEB-2011	10:13:53.907
EGOI_110215MSEP7274.E2	15-FEB-2011	11:51:17.020
EGOI_110215MSEP7295.E2	15-FEB-2011	13:33:10.154
EGOI_110215MSEP7312.E2	15-FEB-2011	21:24:55.087
EGOI_110215MSEP7342.E2	15-FEB-2011	23:00:00.184
EGOI_110215SGEP1542.E2	15-FEB-2011	02:00:46.310
EGOI_110215SGEP1548.E2	15-FEB-2011	03:35:30.406
EGOI_110215SGEP1555.E2	15-FEB-2011	14:32:09.018
EGOI_110215SGEP1560.E2	15-FEB-2011	16:10:56.134

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### 1.3 - List of data gaps

Station	Orbit	Date	Start Time	Stop Time	Duration (s)
KS	82725	15-FEB-2011	06:37:19.705	06:39:09.061	109.35600
KS	82726	15-FEB-2011	08:16:36.627	08:19:05.190	148.56300
KS	82727	15-FEB-2011	09:56:14.073	09:58:46.317	152.24400
KS	82728	15-FEB-2011	11:35:45.446	11:38:18.432	152.98600
KS	82729	15-FEB-2011	13:14:53.005	13:17:23.555	150.55000
KS	82730	15-FEB-2011	14:53:31.292	14:56:07.670	156.37800
KS	82731	15-FEB-2011	16:31:09.099	16:34:02.279	173.18000
KS	82732	15-FEB-2011	18:08:58.103	18:11:41.886	163.78300
KS	82733	15-FEB-2011	19:47:55.185	19:50:04.998	129.81300
KS	82734	15-FEB-2011	21:28:38.604	21:30:41.621	123.01700
KS	82735	15-FEB-2011	23:11:51.266	23:13:37.766	106.50000

GS	82722	15-FEB-2011	01:18:14.768	01:20:11.559	116.79100
GS	82723	15-FEB-2011	02:55:33.869	02:57:30.167	116.29800
GS	82724	15-FEB-2011	04:37:46.989	04:39:42.808	115.81900
MS	82727	15-FEB-2011	10:11:18.489	10:13:53.907	155.41800
MS	82728	15-FEB-2011	11:48:38.215	11:51:17.019	158.80400
MS	82735	15-FEB-2011	22:57:55.168	23:00:00.183	125.01500
MA	82726	15-FEB-2011	08:25:36.267	08:27:27.738	111.47100
MA	82727	15-FEB-2011	10:04:17.075	10:06:11.860	114.78500
MA	82734	15-FEB-2011	21:20:18.115	21:22:59.574	161.45900
MI	82723	15-FEB-2011	02:51:12.204	02:53:30.142	137.93800
MI	82724	15-FEB-2011	04:31:19.734	04:33:42.774	143.04000
MI	82730	15-FEB-2011	15:11:26.344	15:13:48.277	141.93300
MI	82731	15-FEB-2011	16:50:41.977	16:53:05.400	143.42300
SG	82723	15-FEB-2011	03:32:34.729	03:35:30.406	175.67700
SG	82729	15-FEB-2011	14:29:21.923	14:32:09.018	167.09500
SG	82730	15-FEB-2011	16:07:51.482	16:10:56.133	184.65100
CM	82723	15-FEB-2011	02:52:14.013	02:53:25.643	71.630000
CM	82730	15-FEB-2011	15:15:43.621	15:16:52.797	69.176000
CM	82731	15-FEB-2011	16:53:07.825	16:54:36.907	89.082000

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#### 1.4 - List of missing products

Station	Orbit	Date	Start Time	Stop Time	Duration (s)
HO	82721	15-FEB-2011	00:23:24.215	00:38:02.356	878.14100
MM	82721	15-FEB-2011	00:35:07.266	00:46:04.019	656.75300
BE	82722	15-FEB-2011	01:43:12.880	01:53:46.467	633.58700
HO	82722	15-FEB-2011	02:07:51.852	02:13:39.961	348.10900
MM	82722	15-FEB-2011	02:17:31.903	02:26:23.570	531.66700
BE	82723	15-FEB-2011	03:21:37.646	03:34:53.640	795.99400
MM	82723	15-FEB-2011	04:00:36.265	04:07:10.549	394.28400
MM	82724	15-FEB-2011	05:43:11.041	05:49:02.377	351.33600
MM	82725	15-FEB-2011	07:24:26.601	07:32:02.077	455.47600
JO	82725	15-FEB-2011	07:03:36.817	07:15:57.886	741.06900
MM	82726	15-FEB-2011	09:04:57.567	09:14:53.131	595.56400
JO	82726	15-FEB-2011	08:41:22.660	08:56:05.179	882.51900
MM	82727	15-FEB-2011	10:45:09.320	10:56:48.602	699.28200

MM	82728	15-FEB-2011	12:25:07.531	12:37:39.474	751.94300
MA	82728	15-FEB-2011	11:45:54.591	11:52:02.066	367.47500
HO	82729	15-FEB-2011	14:13:43.467	14:26:38.786	775.31900
MM	82729	15-FEB-2011	14:04:51.465	14:17:35.316	763.85100
SG	82729	15-FEB-2011	14:29:21.923	14:40:54.415	692.49200
BE	82730	15-FEB-2011	14:38:27.169	14:51:30.359	783.19000
MM	82730	15-FEB-2011	15:44:19.302	15:56:55.672	756.37000
GS	82730	15-FEB-2011	15:05:11.099	15:18:13.918	782.81900
MM	82731	15-FEB-2011	17:23:32.297	17:36:03.879	751.58200
GS	82731	15-FEB-2011	16:44:30.653	16:57:46.851	796.19800
MM	82732	15-FEB-2011	19:02:40.716	19:15:18.688	757.97200
JO	82732	15-FEB-2011	19:23:40.547	19:34:38.894	658.34700
MM	82733	15-FEB-2011	20:42:04.905	20:54:48.854	763.94900
MA	82733	15-FEB-2011	19:41:33.375	19:53:48.580	735.20500
JO	82733	15-FEB-2011	21:01:17.583	21:16:12.161	894.57800
HO	82734	15-FEB-2011	22:15:19.635	22:26:43.829	684.19400
MM	82734	15-FEB-2011	22:22:08.276	22:34:35.125	746.84900
JO	82734	15-FEB-2011	22:43:41.017	22:50:33.592	412.57500
HO	82735	15-FEB-2011	23:52:19.126	00:06:48.355	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

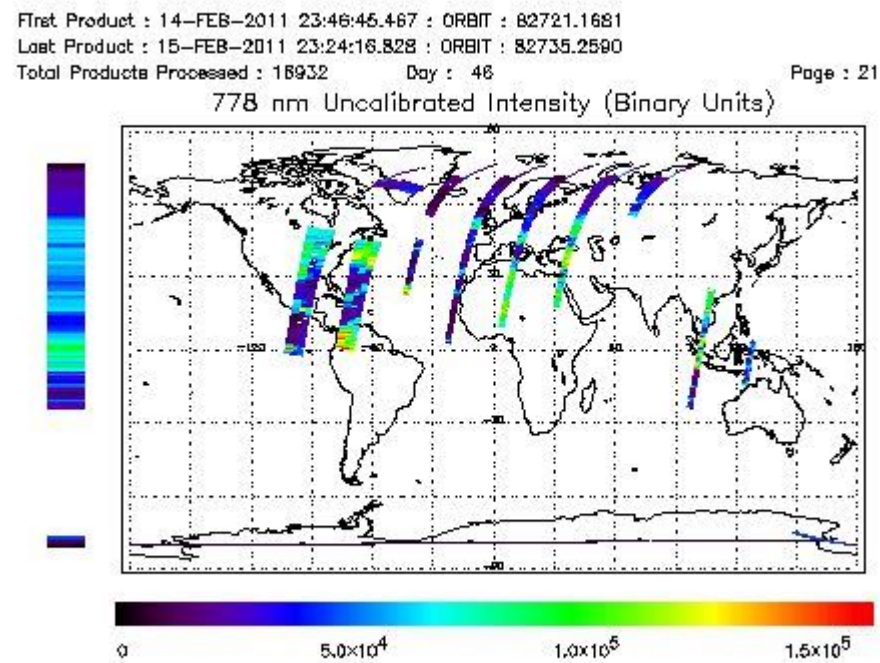
Indicator	Value
MPH Product Confidence	OK
SPH Product Confidence	OK
Command Word Echo Summary	OK
Instrument Status 1A	OK
Instrument Status 1B	OK
Instrument Status 2	OK
Integration Times Channel 1	OK
Co-Adding and Cluster Mode Flags	OK
Integration Times Band 2A	OK
Integration Times Band 2B	OK
Integration 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

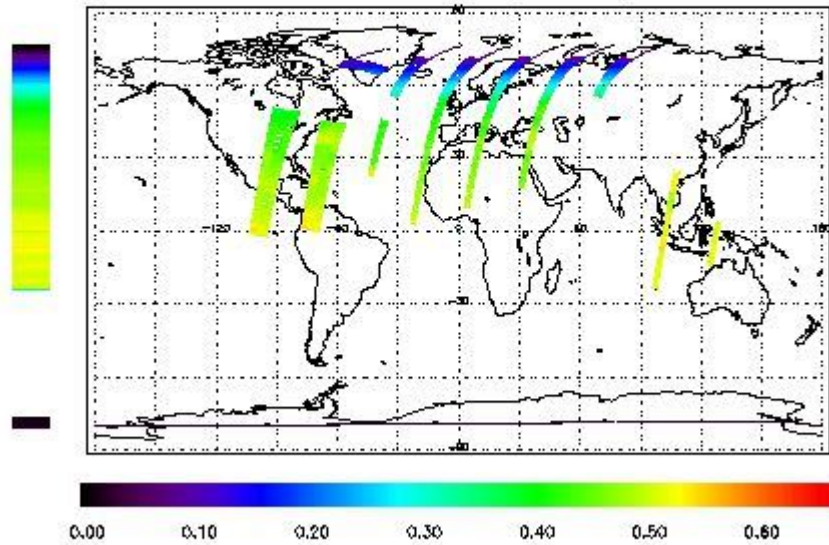


### Ozone Line Ratio

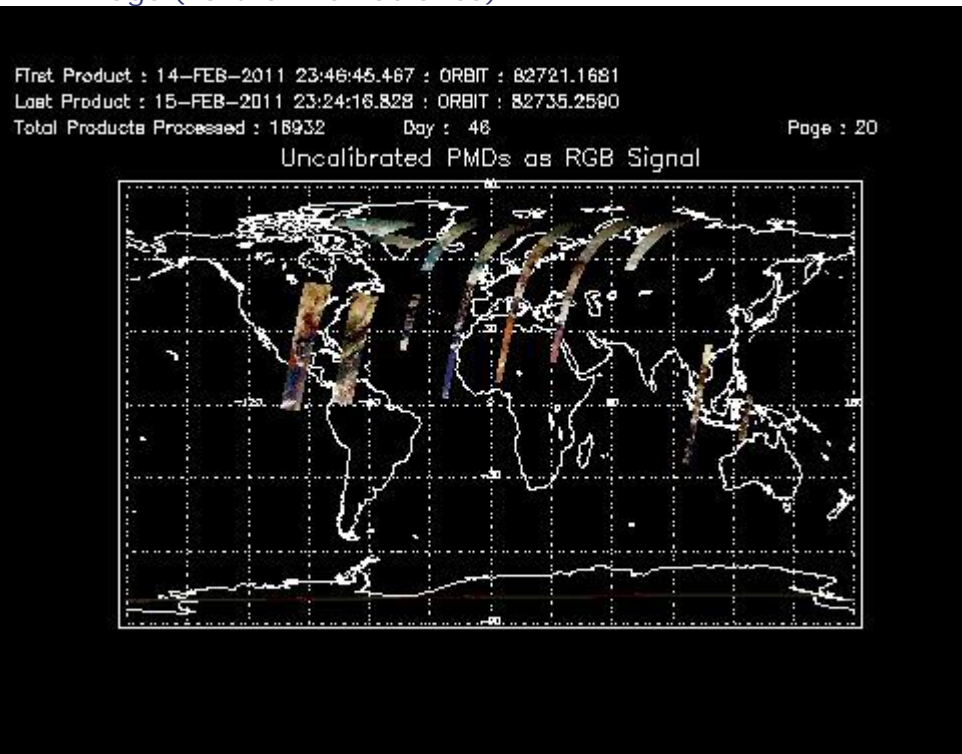
First Product : 14-FEB-2011 23:46:45.467 : ORBIT : 82721.1681  
 Last Product : 15-FEB-2011 23:24:16.828 : ORBIT : 82735.2590  
 Total Products Processed : 18932 Day : 46

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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	15:02:36.206	--	82730	Yes	--	15453

#### 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
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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
14:00	14:00	82715	82730

## 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