

# GOME Daily Report

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## 1 - General Info

### 1.1 - Report Summary

Item	Value
Report Version	GOMEver3_3
Report of Day	06-FEB-2011
Start Time of First Product	00:57:32
Stop Time of Last Product	23:07:20
Number of EGOI Products analysed	35
Number of corrupted products	
Anomalies and/or Special Operations	

### 1.2 - List of received products

Name	Date	Time
EGOI_110206CMEP3839.E2	06-FEB-2011	02:37:42.845
EGOI_110206CMEP3845.E2	06-FEB-2011	04:15:43.444
EGOI_110206CMEP3854.E2	06-FEB-2011	15:00:59.415
EGOI_110206CMEP3863.E2	06-FEB-2011	16:37:31.511
EGOI_110206GSEP5246.E2	06-FEB-2011	01:03:46.765
EGOI_110206GSEP5278.E2	06-FEB-2011	02:40:32.364
EGOI_110206GSEP5306.E2	06-FEB-2011	04:21:46.483
EGOI_110206GSEP5314.E2	06-FEB-2011	06:04:03.618
EGOI_110206KSEP0013.E2	06-FEB-2011	09:41:42.454

EGOI_110206KSEP0044.E2	06-FEB-2011	11:21:17.569
EGOI_110206KSEP0067.E2	06-FEB-2011	13:00:28.674
EGOI_110206KSEP0077.E2	06-FEB-2011	14:39:17.282
EGOI_110206KSEP0093.E2	06-FEB-2011	16:16:58.390
EGOI_110206KSEP0121.E2	06-FEB-2011	17:54:51.493
EGOI_110206KSEP0152.E2	06-FEB-2011	19:33:05.597
EGOI_110206KSEP0182.E2	06-FEB-2011	21:13:21.209
EGOI_110206KSEP0208.E2	06-FEB-2011	22:56:18.849
EGOI_110206KSEP9974.E2	06-FEB-2011	06:22:11.219
EGOI_110206KSEP9989.E2	06-FEB-2011	08:02:02.838
EGOI_110206MAEP2521.E2	06-FEB-2011	08:11:07.389
EGOI_110206MAEP2535.E2	06-FEB-2011	09:49:09.496
EGOI_110206MAEP2552.E2	06-FEB-2011	11:29:10.112
EGOI_110206MIEP2427.E2	06-FEB-2011	02:37:08.341
EGOI_110206MIEP2456.E2	06-FEB-2011	04:16:02.948
EGOI_110206MIEP2482.E2	06-FEB-2011	14:57:21.895
EGOI_110206MIEP2505.E2	06-FEB-2011	16:35:50.999
EGOI_110206MSEP6160.E2	06-FEB-2011	00:57:31.726
EGOI_110206MSEP6171.E2	06-FEB-2011	09:57:47.053
EGOI_110206MSEP6193.E2	06-FEB-2011	11:34:22.149
EGOI_110206MSEP6217.E2	06-FEB-2011	13:15:18.265
EGOI_110206MSEP6250.E2	06-FEB-2011	22:43:26.271
EGOI_110206SGEP1304.E2	06-FEB-2011	03:18:17.595
EGOI_110206SGEP1311.E2	06-FEB-2011	05:00:30.222
EGOI_110206SGEP1318.E2	06-FEB-2011	14:22:36.680
EGOI_110206SGEP1326.E2	06-FEB-2011	16:02:35.796

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### 1.3 - List of data gaps

Station	Orbit	Date	Start Time	Stop Time	Duration (s)
KS	82598	06-FEB-2011	09:39:09.321	09:41:42.454	153.13300
KS	82599	06-FEB-2011	11:18:42.948	11:21:17.569	154.62100
KS	82600	06-FEB-2011	12:57:55.976	13:00:28.673	152.69700
KS	82601	06-FEB-2011	14:36:40.226	14:39:17.281	157.05500
KS	82602	06-FEB-2011	16:14:20.591	16:16:58.390	157.79900
KS	82603	06-FEB-2011	17:52:14.118	17:54:51.492	157.37400
KS	82604	06-FEB-2011	19:30:50.874	19:33:05.596	134.72200
KS	82605	06-FEB-2011	21:11:13.427	21:13:21.209	127.78200
KS	82606	06-FEB-2011	22:53:56.078	22:56:18.849	142.77100
KS	82596	06-FEB-2011	06:20:27.010	06:22:11.218	104.20800
KS	82597	06-FEB-2011	07:59:32.736	08:02:02.838	150.10200
GS	82593	06-FEB-2011	01:02:03.328	01:03:46.764	103.43600

GS	82594	06-FEB-2011	02:38:34.129	02:40:32.363	118.23400
GS	82595	06-FEB-2011	04:19:45.929	04:21:46.482	120.55300
MS	82599	06-FEB-2011	11:31:39.589	11:34:22.149	162.56000
MS	82600	06-FEB-2011	13:12:35.924	13:15:18.264	162.34000
MS	82606	06-FEB-2011	22:41:05.871	22:43:26.270	140.39900
MA	82597	06-FEB-2011	08:09:14.888	08:11:07.388	112.50000
MA	82598	06-FEB-2011	09:47:12.108	09:49:09.496	117.38800
MI	82594	06-FEB-2011	02:34:44.140	02:37:08.340	144.20000
MI	82595	06-FEB-2011	04:13:37.847	04:16:02.948	145.10100
MI	82601	06-FEB-2011	14:54:58.636	14:57:21.894	143.25800
MI	82602	06-FEB-2011	16:33:21.960	16:35:50.999	149.03900
SG	82594	06-FEB-2011	03:15:37.141	03:18:17.594	160.45300
SG	82594	06-FEB-2011	03:26:40.144	03:29:25.114	164.97000
SG	82595	06-FEB-2011	04:57:53.717	05:00:30.222	156.50500
CM	82602	06-FEB-2011	16:35:57.339	16:37:31.510	94.171000

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#### 1.4 - List of missing products

Station	Orbit	Date	Start Time	Stop Time	Duration (s)
HO	82592	06-FEB-2011	00:06:25.023	00:21:00.593	875.57000
MM	82592	06-FEB-2011	00:17:40.131	00:28:53.726	673.59500
HO	82593	06-FEB-2011	01:48:58.531	01:58:53.226	594.69500
MM	82593	06-FEB-2011	01:59:54.553	02:09:10.285	555.73200
BE	82594	06-FEB-2011	03:04:32.964	03:17:57.852	804.88800
MM	82594	06-FEB-2011	03:42:55.687	03:49:50.690	415.00300
BE	82595	06-FEB-2011	04:45:15.030	04:54:25.658	550.62800
MM	82595	06-FEB-2011	05:25:41.637	05:31:28.377	346.74000
MM	82596	06-FEB-2011	07:07:09.428	07:14:21.175	431.74700
JO	82596	06-FEB-2011	06:47:35.883	06:58:19.703	643.82000
MM	82597	06-FEB-2011	08:47:45.400	08:57:18.504	573.10400
JO	82597	06-FEB-2011	08:24:11.519	08:39:11.028	899.50900
MM	82598	06-FEB-2011	10:27:59.723	10:39:24.877	685.15400
JO	82598	06-FEB-2011	10:08:17.579	10:14:45.648	388.06900
MM	82599	06-FEB-2011	12:08:00.228	12:20:26.510	746.28200
HO	82600	06-FEB-2011	13:56:25.431	14:10:23.666	838.23500
MM	82600	06-FEB-2011	13:47:46.750	14:00:30.607	763.85700

SG	82600	06-FEB-2011	14:13:23.183	14:22:58.095	574.91200
BE	82601	06-FEB-2011	14:21:13.264	14:34:34.144	800.88000
MM	82601	06-FEB-2011	15:27:17.419	15:39:55.399	757.98000
GS	82601	06-FEB-2011	14:48:22.353	15:00:39.885	737.53200
BE	82602	06-FEB-2011	16:05:11.998	16:11:05.739	353.74100
MM	82602	06-FEB-2011	17:06:32.529	17:19:04.115	751.58600
GS	82602	06-FEB-2011	16:27:22.182	16:41:01.779	819.59700
MM	82603	06-FEB-2011	18:45:40.534	18:58:16.895	756.36100
GS	82603	06-FEB-2011	18:08:09.439	18:16:43.417	513.97800
JO	82603	06-FEB-2011	19:07:49.977	19:16:08.745	498.76800
MM	82604	06-FEB-2011	20:25:00.305	20:37:44.203	763.89800
MA	82604	06-FEB-2011	19:27:03.330	19:36:24.603	561.27300
JO	82604	06-FEB-2011	20:44:14.170	20:59:15.809	901.63900
MM	82605	06-FEB-2011	22:04:55.457	22:17:27.859	752.40200
MA	82605	06-FEB-2011	21:03:00.741	21:16:26.905	806.16400
JO	82605	06-FEB-2011	22:25:28.736	22:35:15.633	586.89700
HO	82606	06-FEB-2011	23:35:21.112	23:49:44.162	863.05000
MM	82606	06-FEB-2011	23:45:45.443	23:57:25.892	700.44900

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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

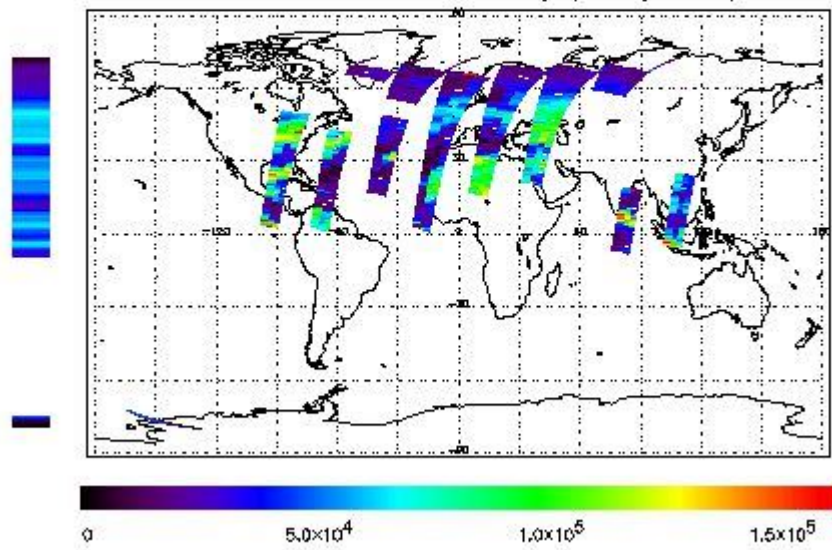
## 2.2 - Daily Plots

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 : 06-FEB-2011 00:57:31.726 : ORBIT : 82593.0430  
 Last Product : 06-FEB-2011 23:07:15.911 : ORBIT : 82608.2612  
 Total Products Processed : 15197 Day : 37 Page : 21

778 nm Uncalibrated Intensity (Binary Units)

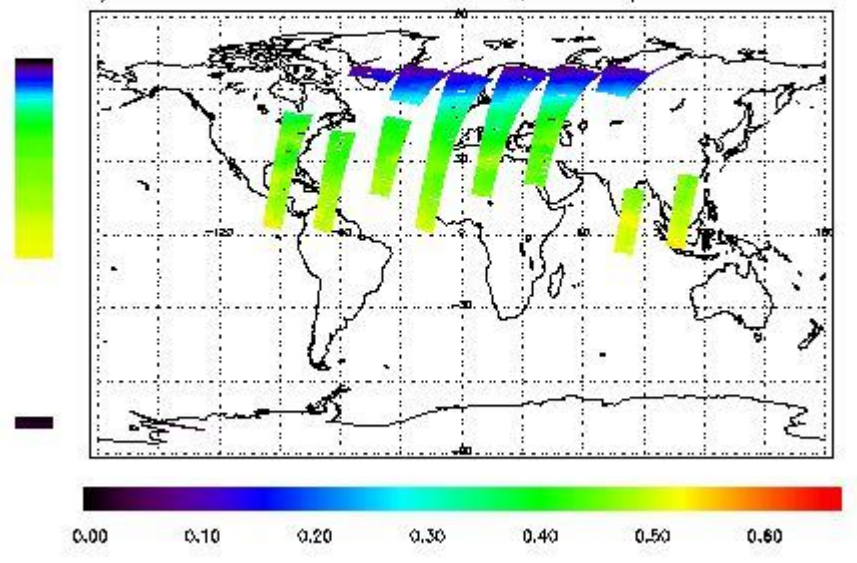


### Ozone Line Ratio

First Product : 06-FEB-2011 00:57:31.726 : ORBIT : 82593.0430  
Last Product : 06-FEB-2011 23:07:15.811 : ORBIT : 82606.2612  
Total Products Processed : 15197 Day : 37

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331/313 nm Uncalibrated Line Ratio, SZA Dependence Removed

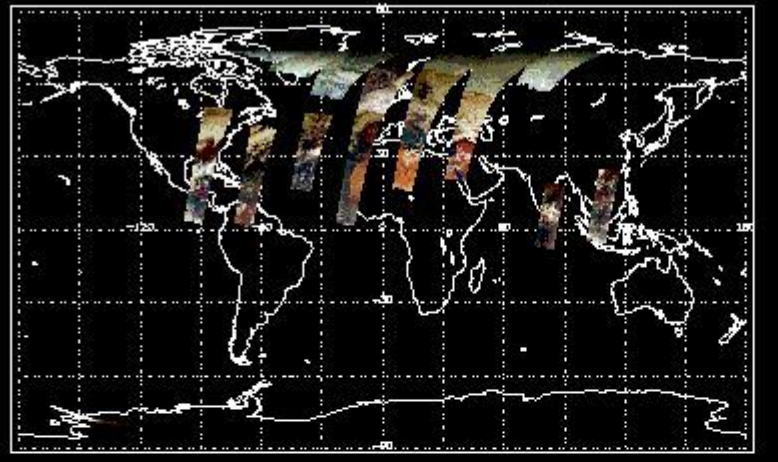


PMD Image (Earthshine Radiance)

First Product : 06-FEB-2011 00:57:31.726 : ORBIT : 82593.0430  
Last Product : 06-FEB-2011 23:07:15.811 : ORBIT : 82606.2612  
Total Products Processed : 15197 Day : 37

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Uncalibrated PMDs as RGB Signal



### 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	11:25:08.589	--	82599	Yes	--	15520

#### 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