

# GOME Daily Report

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## 1 - General Info

### 1.1 - Report Summary

Item	Value
Report Version	GOMEver3_3
Report of Day	11-FEB-2011
Start Time of First Product	23:57:35 (10-Feb)
Stop Time of Last Product	23:49:48
Number of EGOI Products analysed	34
Number of corrupted products	--
Anomalies and/or Special Operations	Nominal Data

### 1.2 - List of received products

Name	Date	Time
EGOI_110211CMEP4000.E2	11-FEB-2011	03:17:40.912
EGOI_110211CMEP4008.E2	11-FEB-2011	04:59:59.542
EGOI_110211CMEP4015.E2	11-FEB-2011	15:41:30.493
EGOI_110211CMEP4025.E2	11-FEB-2011	17:20:58.102
EGOI_110211GSEP5615.E2	11-FEB-2011	01:44:38.840
EGOI_110211GSEP5643.E2	11-FEB-2011	03:23:13.947
EGOI_110211GSEP5651.E2	11-FEB-2011	05:06:08.579
EGOI_110211KSEP1214.E2	11-FEB-2011	07:04:39.312
EGOI_110211KSEP1231.E2	11-FEB-2011	08:44:42.928

EGOI_110211KSEP1251.E2	11-FEB-2011	10:24:22.540
EGOI_110211KSEP1278.E2	11-FEB-2011	12:03:50.156
EGOI_110211KSEP1294.E2	11-FEB-2011	13:42:49.264
EGOI_110211KSEP1319.E2	11-FEB-2011	15:21:21.368
EGOI_110211KSEP1333.E2	11-FEB-2011	16:58:57.968
EGOI_110211KSEP1362.E2	11-FEB-2011	18:36:49.571
EGOI_110211KSEP1394.E2	11-FEB-2011	20:15:39.680
EGOI_110211KSEP1423.E2	11-FEB-2011	21:57:07.303
EGOI_110211KSEP1446.E2	11-FEB-2011	23:41:25.942
EGOI_110211MAEP2700.E2	11-FEB-2011	08:52:12.970
EGOI_110211MAEP2709.E2	11-FEB-2011	10:31:58.586
EGOI_110211MIEP2948.E2	11-FEB-2011	01:44:53.844
EGOI_110211MIEP2972.E2	11-FEB-2011	03:18:42.420
EGOI_110211MIEP2989.E2	11-FEB-2011	05:00:55.046
EGOI_110211MIEP3010.E2	11-FEB-2011	15:38:55.978
EGOI_110211MIEP3037.E2	11-FEB-2011	17:19:25.094
EGOI_110211MSEP6750.E2	10-FEB-2011	23:57:35.184
EGOI_110211MSEP6771.E2	11-FEB-2011	10:38:31.631
EGOI_110211MSEP6800.E2	11-FEB-2011	12:17:02.235
EGOI_110211MSEP6829.E2	11-FEB-2011	21:48:23.748
EGOI_110211MSEP6861.E2	11-FEB-2011	23:25:52.848
EGOI_110211SGEP1432.E2	11-FEB-2011	02:22:49.575
EGOI_110211SGEP1437.E2	11-FEB-2011	04:00:45.674
EGOI_110211SGEP1444.E2	11-FEB-2011	14:58:27.227
EGOI_110211SGEP1449.E2	11-FEB-2011	16:37:24.838

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### 1.3 - List of data gaps

Station	Orbit	Date	Start Time	Stop Time	Duration (s)
KS	82668	11-FEB-2011	07:02:46.141	07:04:39.312	113.17100
KS	82669	11-FEB-2011	08:42:13.256	08:44:42.927	149.67100
KS	82670	11-FEB-2011	10:21:50.827	10:24:22.539	151.71200
KS	82671	11-FEB-2011	12:01:17.871	12:03:50.155	152.28400
KS	82672	11-FEB-2011	13:40:16.119	13:42:49.264	153.14500
KS	82673	11-FEB-2011	15:18:30.490	15:21:21.368	170.87800
KS	82674	11-FEB-2011	16:56:11.974	16:58:57.968	165.99400
KS	82675	11-FEB-2011	18:34:16.740	18:36:49.570	152.83000
KS	82676	11-FEB-2011	20:13:37.580	20:15:39.680	122.10000
KS	82677	11-FEB-2011	21:54:54.467	21:57:07.303	132.83600
KS	82678	11-FEB-2011	23:38:58.617	23:41:25.942	147.32500
GS	82665	11-FEB-2011	01:42:50.096	01:44:38.839	108.74300

GS	82666	11-FEB-2011	03:21:18.245	03:23:13.946	115.70100
MS	82664	10-FEB-2011	23:55:18.551	23:57:35.184	136.63300
MS	82670	11-FEB-2011	10:35:51.968	10:38:31.630	159.66200
MS	82671	11-FEB-2011	12:14:24.036	12:17:02.234	158.19800
MS	82678	11-FEB-2011	23:23:29.061	23:25:52.848	143.78700
MA	82670	11-FEB-2011	10:29:51.979	10:31:58.585	126.60600
MI	82665	11-FEB-2011	01:43:03.306	01:44:53.844	110.53800
MI	82673	11-FEB-2011	15:36:31.192	15:38:55.978	144.78600
MI	82674	11-FEB-2011	17:17:02.505	17:19:25.094	142.58900
SG	82665	11-FEB-2011	02:20:41.209	02:22:49.574	128.36500
SG	82666	11-FEB-2011	03:58:21.752	04:00:45.673	143.92100
SG	82672	11-FEB-2011	14:53:59.841	14:58:27.227	267.38600
SG	82673	11-FEB-2011	16:34:24.470	16:37:24.838	180.36800
CM	82666	11-FEB-2011	03:16:14.250	03:17:40.912	86.662000
CM	82673	11-FEB-2011	15:39:57.085	15:41:30.493	93.408000
CM	82674	11-FEB-2011	17:19:14.231	17:20:58.101	103.87000

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#### 1.4 - List of missing products

Station	Orbit	Date	Start Time	Stop Time	Duration (s)
HO	82664	11-FEB-2011	00:49:31.324	01:03:24.491	833.16700
MM	82664	11-FEB-2011	01:01:21.569	01:11:50.255	628.68600
KS	82664	11-FEB-2011	00:12:47.625	00:16:50.241	242.61600
BE	82665	11-FEB-2011	02:08:10.116	02:20:23.842	733.72600
MM	82665	11-FEB-2011	02:44:00.278	02:52:14.915	494.63700
BE	82666	11-FEB-2011	03:47:22.063	04:00:00.552	758.48900
MM	82666	11-FEB-2011	04:27:05.371	04:33:14.043	368.67200
MM	82667	11-FEB-2011	06:09:20.183	06:15:27.600	367.41700
MM	82668	11-FEB-2011	07:50:20.135	07:58:32.554	492.41900
JO	82668	11-FEB-2011	07:28:08.447	07:42:04.946	836.49900
MM	82669	11-FEB-2011	09:30:44.856	09:41:11.808	626.95200
JO	82669	11-FEB-2011	09:07:30.634	09:21:11.854	821.22000
HO	82670	11-FEB-2011	11:21:21.070	11:31:59.544	638.47400
MM	82670	11-FEB-2011	11:10:52.993	11:22:50.556	717.56300
HO	82671	11-FEB-2011	12:59:23.290	13:14:12.704	889.41400
MM	82671	11-FEB-2011	12:50:47.694	13:03:25.859	758.16500

HO	82672	11-FEB-2011	14:39:42.820	14:50:47.519	664.69900
MM	82672	11-FEB-2011	14:30:27.644	14:43:10.441	762.79700
SG	82672	11-FEB-2011	14:53:59.841	15:07:12.235	792.39400
BE	82673	11-FEB-2011	15:04:37.742	15:16:44.137	726.39500
MM	82673	11-FEB-2011	16:09:51.276	16:22:25.466	754.19000
GS	82673	11-FEB-2011	15:30:33.225	15:44:16.327	823.10200
MM	82674	11-FEB-2011	17:49:01.665	18:01:33.958	752.29300
GS	82674	11-FEB-2011	17:10:18.415	17:22:39.846	741.43100
MM	82675	11-FEB-2011	19:28:11.892	19:40:52.271	760.37900
JO	82675	11-FEB-2011	19:48:13.194	20:01:30.714	797.52000
MM	82676	11-FEB-2011	21:07:44.027	21:20:26.718	762.69100
MA	82676	11-FEB-2011	20:06:25.511	20:19:58.506	812.99500
JO	82676	11-FEB-2011	21:27:04.192	21:41:17.421	853.22900
HO	82677	11-FEB-2011	22:39:46.748	22:52:34.712	767.96400
MM	82677	11-FEB-2011	22:48:00.732	23:00:16.794	736.06200
MA	82677	11-FEB-2011	21:47:01.224	21:58:48.512	707.28800

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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 Temperatures B	OK
Charge Amp Temperatures	OK

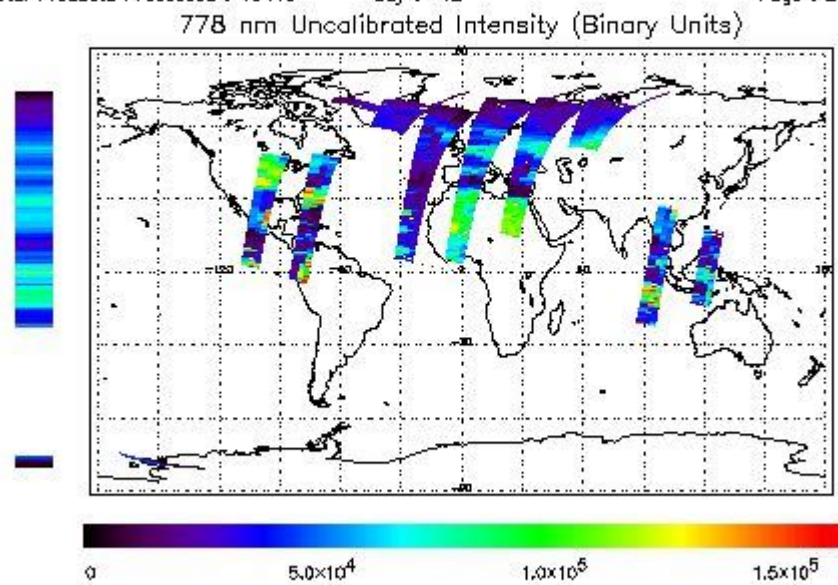
Other Temperatures A	OK
DDHU Temperatures	OK
Optical Bench Temperatures	OK
Other Temperatures B	OK
Calibration Lamp and Instr. Status 3	OK
Scan Mirror and Motor Current	OK
Selected Temperature A	OK
Selected Temperature B	OK
Selected Temperature C	OK
Channel 1 Summation	OK
Channel 2 Summation	OK
Channel 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 : 10-FEB-2011 23:57:35.184 : ORBIT : 82664.0186  
 Last Product : 11-FEB-2011 23:49:48.492 : ORBIT : 82678.2556  
 Total Products Processed : 16415 Day : 42 Page : 21

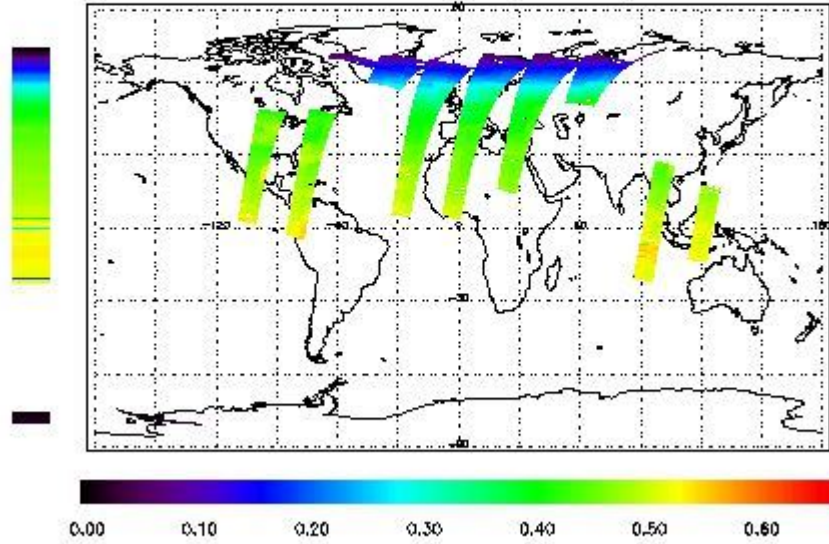


### Ozone Line Ratio

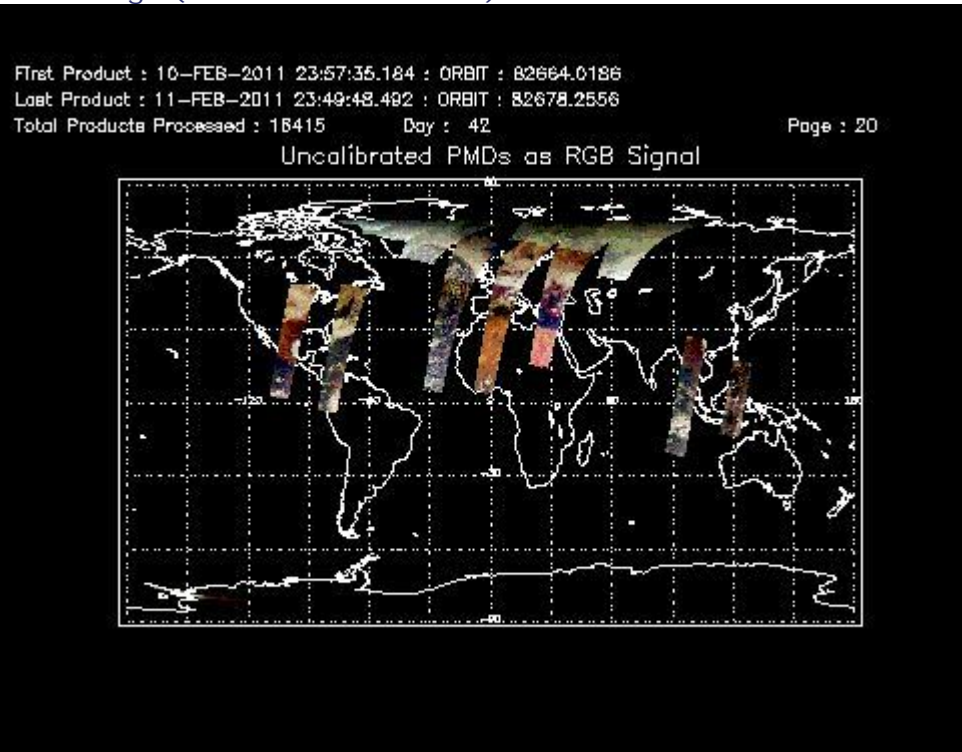
First Product : 10-FEB-2011 23:57:35.184 : ORBIT : 82664.0186  
 Last Product : 11-FEB-2011 23:49:48.492 : ORBIT : 82678.2556  
 Total Products Processed : 18415 Day : 42

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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	12:07:41.179	--	82671	Yes	--	15340

#### 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