

# GOME Daily Report

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## 1 - General Info

### 1.1 - Report Summary

Item	Value
Report Version	GOMEver3_3
Report of Day	21-Feb-2011
Start Time of First Product	23:43:01 (20-Feb)
Stop Time of Last Product	23:35:36
Number of EGOI Products analysed	39
Number of corrupted products	--
Anomalies and/or Special Operations	Nominal Data

### 1.2 - List of received products

Name	Date	Time
EGOI_110221CMEP4308.E2	21-FEB-2011	03:04:07.087
EGOI_110221CMEP4317.E2	21-FEB-2011	04:44:51.210
EGOI_110221CMEP4324.E2	21-FEB-2011	15:27:43.171
EGOI_110221CMEP4335.E2	21-FEB-2011	17:06:09.279
EGOI_110221GSEP6349.E2	21-FEB-2011	01:31:05.019
EGOI_110221GSEP6377.E2	21-FEB-2011	03:08:52.118
EGOI_110221GSEP6386.E2	21-FEB-2011	04:51:51.255
EGOI_110221HLEP9359.E2	21-FEB-2011	02:24:18.844
EGOI_110221HLEP9367.E2	21-FEB-2011	11:10:05.587

EGOI_110221HLEP9376.E2	21-FEB-2011	12:56:09.239
EGOI_110221HLEP9382.E2	21-FEB-2011	14:27:36.803
EGOI_110221HLEP9391.E2	21-FEB-2011	22:34:09.802
EGOI_110221KSEP3696.E2	21-FEB-2011	00:00:25.462
EGOI_110221KSEP3710.E2	21-FEB-2011	06:50:29.483
EGOI_110221KSEP3727.E2	21-FEB-2011	08:30:27.103
EGOI_110221KSEP3747.E2	21-FEB-2011	10:10:06.719
EGOI_110221KSEP3776.E2	21-FEB-2011	11:49:37.327
EGOI_110221KSEP3789.E2	21-FEB-2011	13:28:39.438
EGOI_110221KSEP3814.E2	21-FEB-2011	15:07:22.045
EGOI_110221KSEP3832.E2	21-FEB-2011	16:44:51.145
EGOI_110221KSEP3839.E2	21-FEB-2011	18:22:48.749
EGOI_110221KSEP3845.E2	21-FEB-2011	20:01:29.857
EGOI_110221KSEP3851.E2	21-FEB-2011	21:42:21.481
EGOI_110221KSEP3857.E2	21-FEB-2011	23:25:35.616
EGOI_110221MAEP3004.E2	21-FEB-2011	10:17:32.262
EGOI_110221MIEP3964.E2	21-FEB-2011	03:04:40.091
EGOI_110221MIEP3990.E2	21-FEB-2011	04:45:39.214
EGOI_110221MIEP4007.E2	21-FEB-2011	15:24:55.151
EGOI_110221MIEP4016.E2	21-FEB-2011	17:04:45.267
EGOI_110221MSEP7944.E2	20-FEB-2011	23:43:01.356
EGOI_110221MSEP7969.E2	21-FEB-2011	10:24:45.802
EGOI_110221MSEP7998.E2	21-FEB-2011	12:02:37.405
EGOI_110221MSEP8011.E2	21-FEB-2011	13:45:18.544
EGOI_110221MSEP8018.E2	21-FEB-2011	21:35:12.438
EGOI_110221MSEP8026.E2	21-FEB-2011	23:11:31.030
EGOI_110221SGEP1686.E2	21-FEB-2011	02:09:39.754
EGOI_110221SGEP1692.E2	21-FEB-2011	03:47:40.357
EGOI_110221SGEP1700.E2	21-FEB-2011	14:44:27.908
EGOI_110221SGEP1706.E2	21-FEB-2011	16:22:22.508

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### 1.3 - List of data gaps

Station	Orbit	Date	Start Time	Stop Time	Duration (s)
KS	82807	20-FEB-2011	23:57:17.101	00:00:25.462	188.36100
KS	82811	21-FEB-2011	06:48:37.306	06:50:29.482	112.17600
KS	82812	21-FEB-2011	08:27:59.479	08:30:27.103	147.62400
KS	82813	21-FEB-2011	10:07:37.143	10:10:06.719	149.57600
KS	82814	21-FEB-2011	11:47:06.735	11:49:37.327	150.59200
KS	82815	21-FEB-2011	13:26:10.318	13:28:39.438	149.12000
KS	82816	21-FEB-2011	15:04:40.379	15:07:22.045	161.66600
KS	82817	21-FEB-2011	16:42:16.754	16:44:51.145	154.39100

KS	82818	21-FEB-2011	18:20:12.469	18:22:48.748	156.27900
KS	82819	21-FEB-2011	19:59:19.788	20:01:29.856	130.06800
KS	82820	21-FEB-2011	21:40:17.748	21:42:21.480	123.73200
KS	82821	21-FEB-2011	23:23:52.107	23:25:35.615	103.50800
GS	82808	21-FEB-2011	01:29:07.979	01:31:05.018	117.03900
GS	82809	21-FEB-2011	03:06:58.010	03:08:52.117	114.10700
MS	82813	21-FEB-2011	10:22:09.936	10:24:45.802	155.86600
MS	82814	21-FEB-2011	12:00:02.602	12:02:37.404	154.80200
MS	82821	21-FEB-2011	23:09:13.941	23:11:31.029	137.08800
MA	82813	21-FEB-2011	10:15:42.577	10:17:32.261	109.68400
MI	82809	21-FEB-2011	03:02:18.192	03:04:40.090	141.89800
MI	82810	21-FEB-2011	04:43:19.249	04:45:39.214	139.96500
MI	82816	21-FEB-2011	15:22:32.311	15:24:55.150	142.83900
MI	82817	21-FEB-2011	17:02:20.787	17:04:45.266	144.47900
SG	82808	21-FEB-2011	02:07:37.322	02:09:39.754	122.43200
SG	82809	21-FEB-2011	03:43:59.167	03:47:40.356	221.18900
SG	82815	21-FEB-2011	14:40:14.109	14:44:27.907	253.79800
SG	82816	21-FEB-2011	16:19:34.255	16:22:22.508	168.25300
CM	82809	21-FEB-2011	03:02:46.604	03:04:07.086	80.482000
CM	82816	21-FEB-2011	15:26:21.971	15:27:43.170	81.199000
CM	82817	21-FEB-2011	17:04:40.590	17:06:09.278	88.688000

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#### 1.4 - List of missing products

Station	Orbit	Date	Start Time	Stop Time	Duration (s)
HO	82807	21-FEB-2011	00:34:57.873	00:49:22.127	864.25400
MM	82807	21-FEB-2011	00:46:46.430	00:57:31.113	644.68300
BE	82808	21-FEB-2011	01:54:15.454	02:05:40.708	685.25400
MM	82808	21-FEB-2011	02:29:17.536	02:37:52.830	515.29400
BE	82809	21-FEB-2011	03:33:02.943	03:46:05.898	782.95500
MM	82809	21-FEB-2011	04:12:22.876	04:18:44.840	381.96400
MM	82810	21-FEB-2011	05:54:49.150	06:00:46.355	357.20500
MM	82811	21-FEB-2011	07:35:57.359	07:43:49.141	471.78200
JO	82811	21-FEB-2011	07:14:27.026	07:27:36.796	789.77000
MM	82812	21-FEB-2011	09:16:25.385	09:26:35.264	609.87900
MA	82812	21-FEB-2011	08:36:49.283	08:49:02.231	732.94800

JO	82812	21-FEB-2011	08:52:56.151	09:07:17.220	861.06900
MM	82813	21-FEB-2011	10:56:35.504	11:08:23.339	707.83500
MM	82814	21-FEB-2011	12:36:32.167	12:49:07.197	755.03000
HO	82815	21-FEB-2011	14:25:15.848	14:37:34.586	738.73800
MM	82815	21-FEB-2011	14:16:14.345	14:28:57.863	763.51800
SG	82815	21-FEB-2011	14:40:14.109	14:52:39.949	745.84000
BE	82816	21-FEB-2011	14:50:02.060	15:02:44.924	762.86400
MM	82816	21-FEB-2011	15:55:40.304	16:08:15.655	755.35100
GS	82816	21-FEB-2011	15:16:26.451	15:29:50.878	804.42700
MM	82817	21-FEB-2011	17:34:52.043	17:47:23.838	751.79500
GS	82817	21-FEB-2011	16:55:57.761	17:08:52.620	774.85900
MM	82818	21-FEB-2011	19:14:01.084	19:26:40.145	759.06100
JO	82818	21-FEB-2011	19:34:30.297	19:46:40.985	730.68800
MM	82819	21-FEB-2011	20:53:28.613	21:06:12.218	763.60500
MA	82819	21-FEB-2011	19:52:34.106	20:05:33.336	779.23000
JO	82819	21-FEB-2011	21:12:43.223	21:27:24.103	880.88000
HO	82820	21-FEB-2011	22:26:09.191	22:38:14.781	725.59000
MM	82820	21-FEB-2011	22:33:37.767	22:46:00.198	742.43100
MA	82820	21-FEB-2011	21:31:52.264	21:44:50.584	778.32000

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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

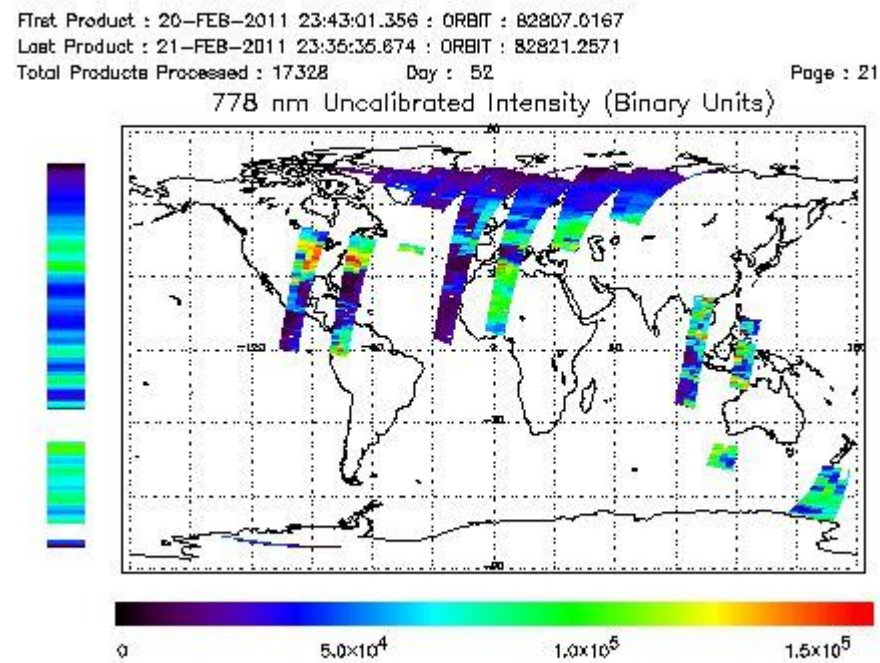
Indicator	Value
MPH Product Confidence	OK
SPH Product Confidence	OK
Command Word Echo Summary	OK
Instrument Status 1A	OK
Instrument Status 1B	OK
Instrument Status 2	OK
Integration Times Channel 1	OK
Co-Adding and Cluster Mode Flags	OK
Integration Times Band 2A	OK
Integration Times Band 2B	OK
Integration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

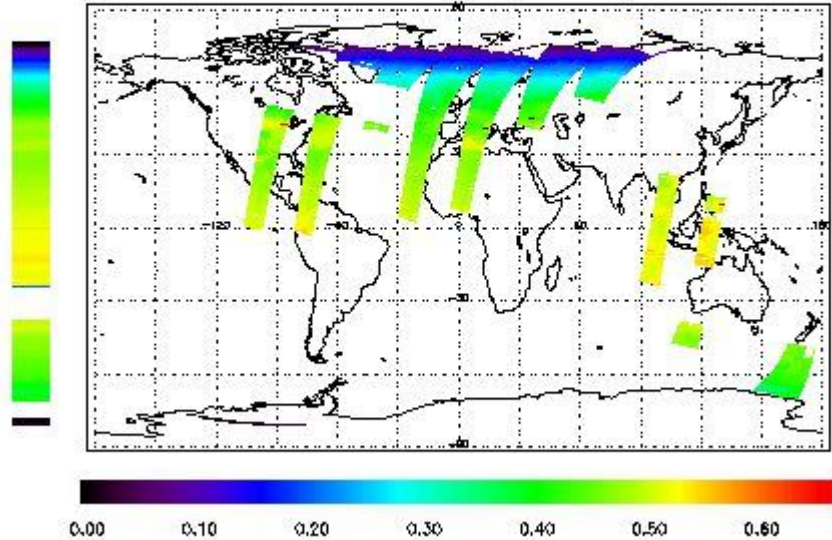
First Product : 20-FEB-2011 23:43:01.356 : ORBIT : 82807.0167

Last Product : 21-FEB-2011 23:36:35.674 : ORBIT : 82821.2571

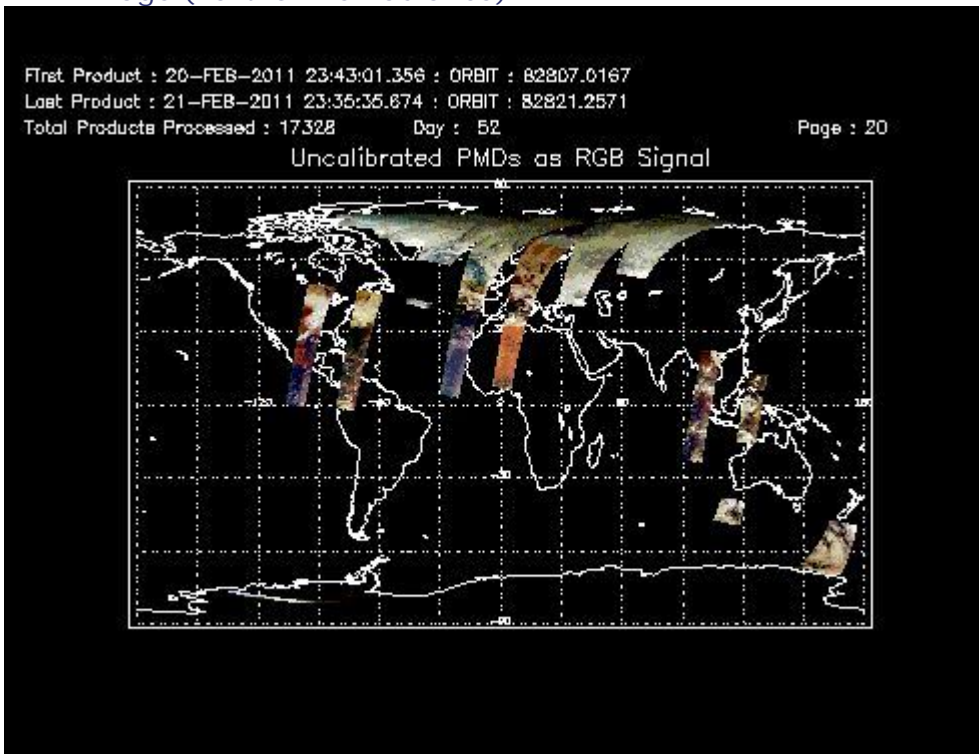
Total Products Processed : 17328 Day : 52

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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	10:11:39.726	--	82813	Yes	--	16587

#### 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