

# GOME Daily Report

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## 1 - General Info

### 1.1 - Report Summary

Item	Value
Report Version	GOMEver3_3
Report of Day	16-AUG-2010
Start Time of First Product	23:37:19 (15-Aug)
Stop Time of Last Product	23:13:32
Number of EGOI Products analysed	40
Number of corrupted products	--
Anomalies and/or Special Operations	Nominal Data

### 1.2 - List of received products

Name	Date	Time
EGOI_100816GSEP2953.E2	16-AUG-2010	02:09:08.184
EGOI_100816GSEP2982.E2	16-AUG-2010	03:48:56.797
EGOI_100816GSEP2991.E2	16-AUG-2010	05:31:34.925
EGOI_100816HLEP6883.E2	15-AUG-2010	23:37:19.257
EGOI_100816HLEP6892.E2	16-AUG-2010	11:48:01.225
EGOI_100816HLEP6900.E2	16-AUG-2010	13:26:57.332
EGOI_100816HLEP6909.E2	16-AUG-2010	15:07:38.442
EGOI_100816HLEP6919.E2	16-AUG-2010	21:33:21.299
EGOI_100816HLEP6926.E2	16-AUG-2010	23:06:38.369

EGOI_100816KSEP8137.E2	16-AUG-2010	07:29:49.148
EGOI_100816KSEP8155.E2	16-AUG-2010	09:09:49.754
EGOI_100816KSEP8177.E2	16-AUG-2010	10:49:29.365
EGOI_100816KSEP8202.E2	16-AUG-2010	12:28:49.475
EGOI_100816KSEP8230.E2	16-AUG-2010	14:07:45.578
EGOI_100816KSEP8256.E2	16-AUG-2010	15:45:43.176
EGOI_100816KSEP8285.E2	16-AUG-2010	17:23:34.772
EGOI_100816KSEP8317.E2	16-AUG-2010	19:01:26.370
EGOI_100816KSEP8347.E2	16-AUG-2010	20:41:01.480
EGOI_100816KSEP8375.E2	16-AUG-2010	22:22:51.603
EGOI_100816MAEP5714.E2	16-AUG-2010	09:17:12.297
EGOI_100816MAEP5724.E2	16-AUG-2010	10:57:03.907
EGOI_100816MIEP8721.E2	16-AUG-2010	02:07:03.672
EGOI_100816MIEP8749.E2	16-AUG-2010	03:43:47.766
EGOI_100816MIEP8768.E2	16-AUG-2010	14:27:38.194
EGOI_100816MIEP8783.E2	16-AUG-2010	16:03:49.286
EGOI_100816MIEP8793.E2	16-AUG-2010	17:45:54.408
EGOI_100816MMEP3150.E2	16-AUG-2010	01:28:31.941
EGOI_100816MMEP3157.E2	16-AUG-2010	03:11:05.566
EGOI_100816MMEP3165.E2	16-AUG-2010	04:53:45.187
EGOI_100816MMEP3172.E2	16-AUG-2010	06:35:47.312
EGOI_100816MMEP3182.E2	16-AUG-2010	09:57:30.548
EGOI_100816MMEP3189.E2	16-AUG-2010	11:37:46.158
EGOI_100816MMEP3197.E2	16-AUG-2010	13:17:28.772
EGOI_100816MSEP6128.E2	16-AUG-2010	00:23:31.538
EGOI_100816MSEP6152.E2	16-AUG-2010	11:02:45.943
EGOI_100816MSEP6179.E2	16-AUG-2010	12:42:15.053
EGOI_100816MSEP6210.E2	16-AUG-2010	22:12:17.037
EGOI_100816SGEP7434.E2	16-AUG-2010	02:51:32.445
EGOI_100816SGEP7441.E2	16-AUG-2010	04:26:19.519
EGOI_100816SGEP7449.E2	16-AUG-2010	17:04:09.155

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### 1.3 - List of data gaps

Station	Orbit	Date	Start Time	Stop Time	Duration (s)
KS	80106	16-AUG-2010	07:28:17.469	07:29:49.148	91.679000
KS	80107	16-AUG-2010	09:07:50.408	09:09:49.754	119.34600
KS	80108	16-AUG-2010	10:47:26.889	10:49:29.365	122.47600
KS	80109	16-AUG-2010	12:26:48.405	12:28:49.474	121.06900
KS	80110	16-AUG-2010	14:05:41.591	14:07:45.578	123.98700
KS	80111	16-AUG-2010	15:43:38.234	15:45:43.175	124.94100
KS	80112	16-AUG-2010	17:21:29.749	17:23:34.772	125.02300
KS	80113	16-AUG-2010	18:59:40.500	19:01:26.370	105.87000

KS	80114	16-AUG-2010	20:39:27.625	20:41:01.480	93.855000
KS	80115	16-AUG-2010	22:21:20.890	22:22:51.603	90.713000
GS	80103	16-AUG-2010	02:07:44.304	02:09:08.184	83.880000
GS	80104	16-AUG-2010	03:47:22.060	03:48:56.797	94.737000
MS	80102	16-AUG-2010	00:21:57.773	00:23:31.538	93.765000
MS	80108	16-AUG-2010	11:00:39.894	11:02:45.943	126.04900
MS	80109	16-AUG-2010	12:40:15.482	12:42:15.053	119.57100
MS	80115	16-AUG-2010	22:10:45.361	22:12:17.036	91.675000
MS	80116	16-AUG-2010	23:49:28.187	23:51:14.644	106.45700
MA	80108	16-AUG-2010	10:55:42.429	10:57:03.907	81.478000
MI	80103	16-AUG-2010	02:05:17.999	02:07:03.671	105.67200
MI	80104	16-AUG-2010	03:41:49.566	03:43:47.766	118.20000
MI	80110	16-AUG-2010	14:25:59.568	14:27:38.194	98.626000
MI	80111	16-AUG-2010	16:01:55.833	16:03:49.285	113.45200
MI	80112	16-AUG-2010	17:44:13.920	17:45:54.408	100.48800
MM	80108	16-AUG-2010	11:36:35.788	11:37:46.157	70.369000
MM	80109	16-AUG-2010	13:16:26.884	13:17:28.771	61.887000
SG	80103	16-AUG-2010	02:45:02.241	02:51:32.444	390.20300
SG	80104	16-AUG-2010	04:24:37.540	04:26:19.519	101.97900

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#### 1.4 - List of missing products

Station	Orbit	Date	Start Time	Stop Time	Duration (s)
HO	80102	16-AUG-2010	01:15:43.497	01:28:32.736	769.23900
BE	80103	16-AUG-2010	02:33:25.249	02:46:32.008	786.75900
CM	80103	16-AUG-2010	03:40:59.992	03:53:02.615	722.62300
BE	80104	16-AUG-2010	04:13:16.297	04:24:45.985	689.68800
KS	80105	16-AUG-2010	05:49:59.234	05:52:29.519	150.28500
CM	80105	16-AUG-2010	05:22:33.150	05:30:13.018	459.86800
MM	80106	16-AUG-2010	08:16:11.523	08:25:00.997	529.47400
JO	80106	16-AUG-2010	07:53:07.546	08:07:55.213	887.66700
JO	80107	16-AUG-2010	09:34:11.482	09:45:53.490	702.00800
HO	80110	16-AUG-2010	15:05:55.403	15:14:40.126	524.72300
MM	80110	16-AUG-2010	14:56:02.723	15:08:43.601	760.87800
GS	80110	16-AUG-2010	14:17:53.259	14:27:53.107	599.84800
SG	80110	16-AUG-2010	15:19:09.369	15:33:00.775	831.40600

BE	80111	16-AUG-2010	15:31:18.477	15:41:39.083	620.60600
MM	80111	16-AUG-2010	16:35:22.302	16:47:54.864	752.56200
GS	80111	16-AUG-2010	15:56:03.367	16:09:59.471	836.10400
CM	80111	16-AUG-2010	16:04:53.528	16:17:00.600	727.07200
MM	80112	16-AUG-2010	18:14:30.971	18:27:04.748	753.77700
GS	80112	16-AUG-2010	17:36:13.452	17:47:13.799	660.34700
CM	80112	16-AUG-2010	17:45:59.468	17:53:41.566	462.09800
MM	80113	16-AUG-2010	19:53:44.523	20:06:26.955	762.43200
MA	80113	16-AUG-2010	18:58:20.877	19:03:08.705	287.82800
JO	80113	16-AUG-2010	20:13:14.603	20:27:45.950	871.34700
MM	80114	16-AUG-2010	21:33:26.129	21:46:05.623	759.49400
MA	80114	16-AUG-2010	20:31:36.615	20:45:19.343	822.72800
JO	80114	16-AUG-2010	21:53:06.482	22:05:56.655	770.17300
HO	80115	16-AUG-2010	23:04:43.767	23:18:21.244	817.47700
MM	80115	16-AUG-2010	23:13:57.259	23:25:59.360	722.10100
MA	80115	16-AUG-2010	22:14:23.287	22:23:39.125	555.83800

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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

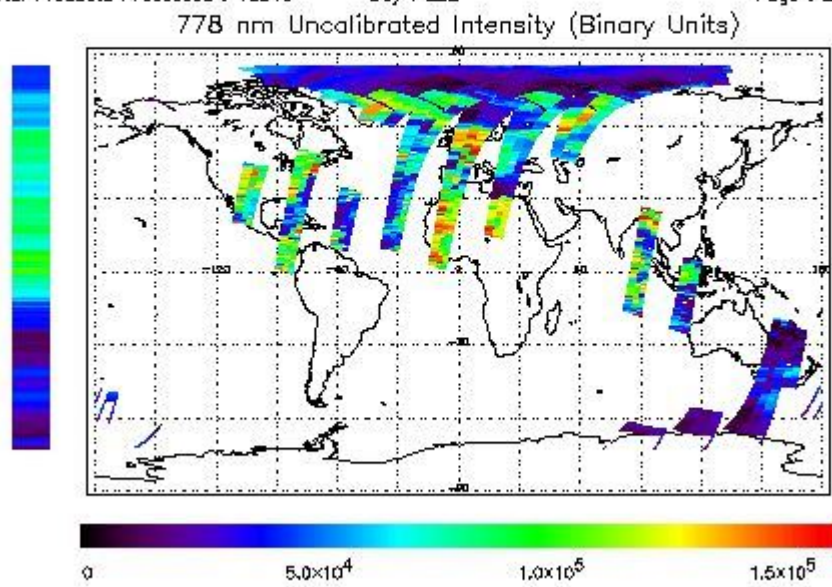
Other Temperatures A	OK
DDHU Temperatures	OK
Optical Bench Temperatures	OK
Other Temperatures B	OK
Calibration Lamp and Instr. Status 3	OK
Scan Mirror and Motor Current	OK
Selected Temperature A	OK
Selected Temperature B	OK
Selected Temperature C	OK
Channel 1 Summation	OK
Channel 2 Summation	OK
Channel 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

FRet Product : 15-AUG-2010 23:37:19.257 : ORBIT : 80101.5600  
 Last Product : 16-AUG-2010 23:13:32.408 : ORBIT : 80115.6379  
 Total Products Processed : 18548 Day : 228 Page : 21

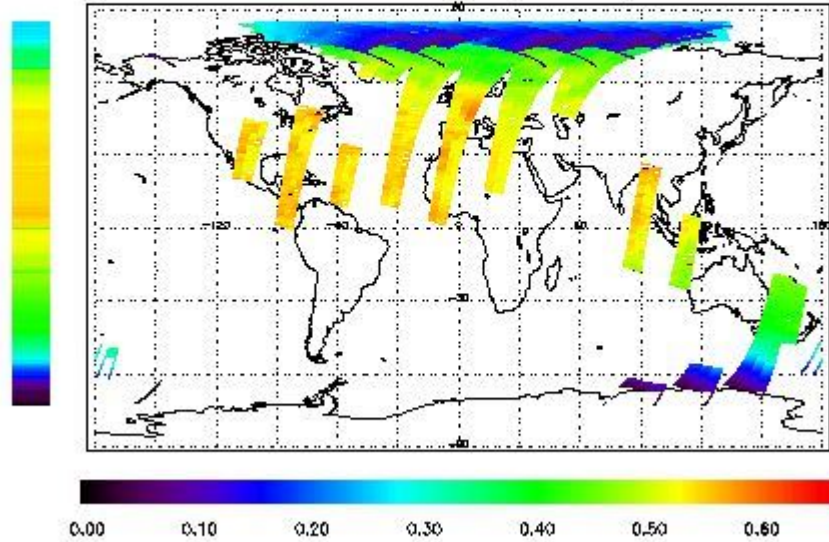


### Ozone Line Ratio

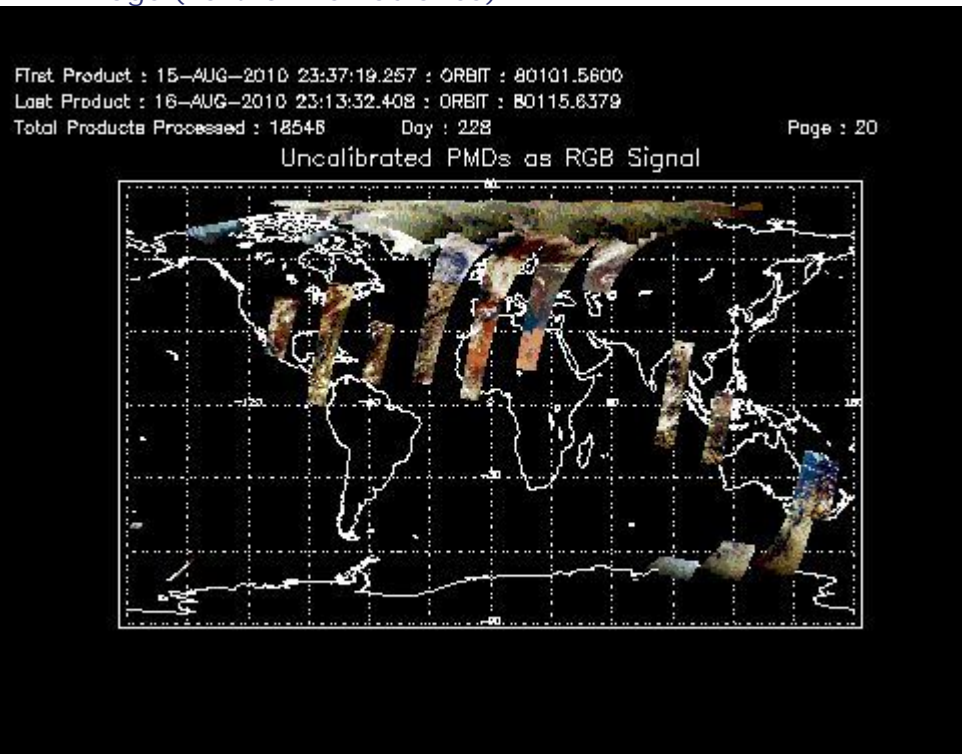
First Product : 15-AUG-2010 23:37:19.257 : ORBIT : 80101.5600  
 Last Product : 16-AUG-2010 23:13:32.408 : ORBIT : 80115.6379  
 Total Products Processed : 18548 Day : 228

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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	19:07:14.405	--	80113	Yes	--	14821

#### 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