

# GOME Daily Report

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## 1 - General Info

### 1.1 - Report Summary

Item	Value
Report Version	GOMEver3_3
Report of Day	26-JUL-2010
Start Time of First Product	23:42:22 (25-Jul)
Stop Time of Last Product	23:34:54
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_100726GSEP1462.E2	26-JUL-2010	01:30:25.292
EGOI_100726GSEP1494.E2	26-JUL-2010	03:08:06.386
EGOI_100726GSEP1502.E2	26-JUL-2010	05:04:01.089
EGOI_100726HLEP6311.E2	26-JUL-2010	11:13:04.849
EGOI_100726HLEP6317.E2	26-JUL-2010	12:47:02.420
EGOI_100726HLEP6328.E2	26-JUL-2010	22:27:55.466
EGOI_100726KSEP2972.E2	25-JUL-2010	23:58:27.729
EGOI_100726KSEP2986.E2	26-JUL-2010	06:49:49.737
EGOI_100726KSEP3003.E2	26-JUL-2010	08:29:47.348

EGOI_100726KSEP3021.E2	26-JUL-2010	10:09:28.457
EGOI_100726KSEP3042.E2	26-JUL-2010	11:49:02.063
EGOI_100726KSEP3059.E2	26-JUL-2010	13:27:59.670
EGOI_100726KSEP3084.E2	26-JUL-2010	15:06:42.273
EGOI_100726KSEP3107.E2	26-JUL-2010	16:44:14.367
EGOI_100726KSEP3137.E2	26-JUL-2010	18:22:08.962
EGOI_100726KSEP3163.E2	26-JUL-2010	20:00:48.566
EGOI_100726KSEP3189.E2	26-JUL-2010	21:41:43.180
EGOI_100726KSEP3214.E2	26-JUL-2010	23:24:55.814
EGOI_100726MAEP4872.E2	26-JUL-2010	08:37:51.898
EGOI_100726MAEP4886.E2	26-JUL-2010	10:16:50.999
EGOI_100726MAEP4907.E2	26-JUL-2010	19:54:35.025
EGOI_100726MAEP4930.E2	26-JUL-2010	21:33:44.632
EGOI_100726MIEP7259.E2	26-JUL-2010	03:03:55.862
EGOI_100726MIEP7276.E2	26-JUL-2010	04:44:56.476
EGOI_100726MIEP7297.E2	26-JUL-2010	15:24:12.374
EGOI_100726MIEP7317.E2	26-JUL-2010	17:04:02.484
EGOI_100726MMEP1999.E2	26-JUL-2010	00:47:32.530
EGOI_100726MMEP2007.E2	26-JUL-2010	02:29:49.651
EGOI_100726MMEP2014.E2	26-JUL-2010	04:12:33.776
EGOI_100726MMEP2021.E2	26-JUL-2010	05:54:55.405
EGOI_100726MMEP2029.E2	26-JUL-2010	10:57:24.251
EGOI_100726MMEP2039.E2	26-JUL-2010	15:56:29.073
EGOI_100726MMEP2046.E2	26-JUL-2010	17:36:56.689
EGOI_100726MSEP3688.E2	25-JUL-2010	23:42:21.635
EGOI_100726MSEP3711.E2	26-JUL-2010	10:24:04.544
EGOI_100726MSEP3740.E2	26-JUL-2010	12:01:57.643
EGOI_100726MSEP3753.E2	26-JUL-2010	13:44:38.773
EGOI_100726MSEP3771.E2	26-JUL-2010	21:34:29.637
EGOI_100726MSEP3803.E2	26-JUL-2010	23:10:55.724

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### 1.3 - List of data gaps

Station	Orbit	Date	Start Time	Stop Time	Duration (s)
KS	79801	25-JUL-2010	23:57:17.100	23:58:27.729	70.629000
KS	79805	26-JUL-2010	06:48:37.305	06:49:49.736	72.431000
KS	79806	26-JUL-2010	08:27:59.478	08:29:47.347	107.86900
KS	79807	26-JUL-2010	10:07:37.143	10:09:28.456	111.31300
KS	79808	26-JUL-2010	11:47:06.734	11:49:02.062	115.32800
KS	79809	26-JUL-2010	13:26:10.317	13:27:59.669	109.35200
KS	79810	26-JUL-2010	15:04:40.378	15:06:42.273	121.89500
KS	79811	26-JUL-2010	16:42:16.753	16:44:14.367	117.61400

KS	79812	26-JUL-2010	18:20:12.468	18:22:08.961	116.49300
KS	79813	26-JUL-2010	19:59:19.787	20:00:48.565	88.778000
KS	79814	26-JUL-2010	21:40:17.748	21:41:43.180	85.432000
KS	79815	26-JUL-2010	23:23:52.106	23:24:55.814	63.708000
GS	79802	26-JUL-2010	01:29:07.978	01:30:25.292	77.314000
GS	79803	26-JUL-2010	03:06:58.009	03:08:06.385	68.376000
MS	79807	26-JUL-2010	10:22:09.936	10:24:04.544	114.60800
MS	79808	26-JUL-2010	12:00:02.601	12:01:57.642	115.04100
MS	79815	26-JUL-2010	23:09:13.940	23:10:55.723	101.78300
MA	79806	26-JUL-2010	08:36:49.282	08:37:51.898	62.616000
MA	79807	26-JUL-2010	10:15:42.577	10:16:50.998	68.421000
MA	79813	26-JUL-2010	19:52:34.105	19:54:35.024	120.91900
MA	79814	26-JUL-2010	21:31:52.264	21:33:44.632	112.36800
MI	79803	26-JUL-2010	03:02:18.191	03:03:55.861	97.670000
MI	79804	26-JUL-2010	04:43:19.247	04:44:56.475	97.228000
MI	79810	26-JUL-2010	15:22:32.310	15:24:12.373	100.06300
MI	79811	26-JUL-2010	17:02:20.786	17:04:02.484	101.69800
MM	79811	26-JUL-2010	17:34:52.042	17:36:56.688	124.64600

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#### 1.4 - List of missing products

Station	Orbit	Date	Start Time	Stop Time	Duration (s)
HO	79801	26-JUL-2010	00:34:57.872	00:49:22.126	864.25400
BE	79802	26-JUL-2010	01:54:15.453	02:05:40.707	685.25400
SG	79802	26-JUL-2010	02:07:37.321	02:15:53.256	495.93500
BE	79803	26-JUL-2010	03:33:02.942	03:46:05.897	782.95500
SG	79803	26-JUL-2010	03:43:59.166	03:57:41.761	822.59500
CM	79803	26-JUL-2010	03:02:46.603	03:12:16.326	569.72300
CM	79803	26-JUL-2010	04:40:45.970	04:52:20.370	694.40000
MM	79805	26-JUL-2010	07:35:57.358	07:43:49.140	471.78200
JO	79805	26-JUL-2010	07:14:27.025	07:27:36.795	789.77000
MM	79806	26-JUL-2010	09:16:25.384	09:26:35.263	609.87900
JO	79806	26-JUL-2010	08:52:56.150	09:07:17.219	861.06900
MM	79808	26-JUL-2010	12:36:32.166	12:49:07.196	755.03000
HO	79809	26-JUL-2010	14:25:15.847	14:37:34.585	738.73800
MM	79809	26-JUL-2010	14:16:14.344	14:28:57.862	763.51800

SG	79809	26-JUL-2010	14:40:14.108	14:52:39.948	745.84000
BE	79810	26-JUL-2010	14:50:02.059	15:02:44.923	762.86400
GS	79810	26-JUL-2010	15:16:26.450	15:29:50.877	804.42700
SG	79810	26-JUL-2010	16:19:34.254	16:31:32.446	718.19200
CM	79810	26-JUL-2010	15:26:21.970	15:35:56.684	574.71400
GS	79811	26-JUL-2010	16:55:57.760	17:08:52.619	774.85900
CM	79811	26-JUL-2010	17:04:40.589	17:16:08.684	688.09500
MM	79812	26-JUL-2010	19:14:01.083	19:26:40.144	759.06100
JO	79812	26-JUL-2010	19:34:30.296	19:46:40.984	730.68800
MM	79813	26-JUL-2010	20:53:28.612	21:06:12.217	763.60500
JO	79813	26-JUL-2010	21:12:43.222	21:27:24.102	880.88000
HO	79814	26-JUL-2010	22:26:09.191	22:38:14.781	725.59000
MM	79814	26-JUL-2010	22:33:37.767	22:46:00.198	742.43100

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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

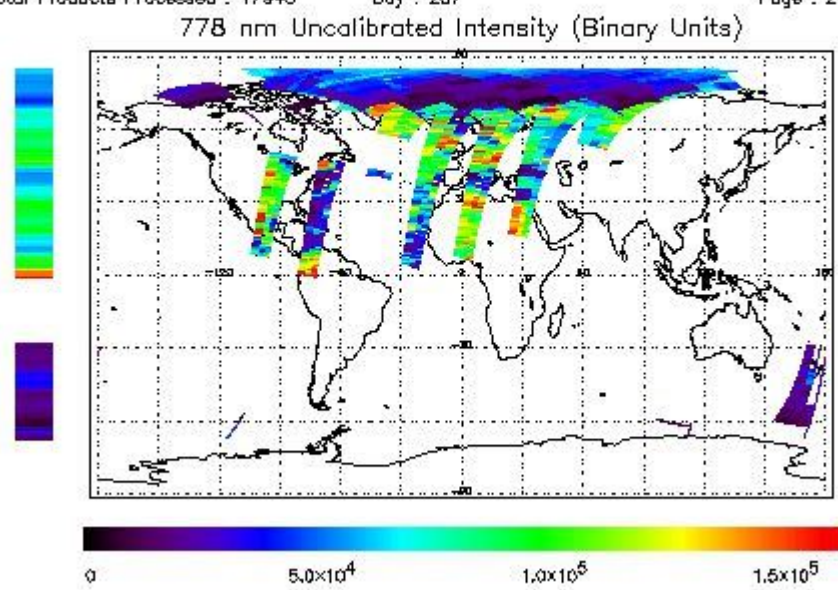
Calibration Lamp and Instr. Status 3	OK
Scan Mirror and Motor Current	OK
Selected Temperature A	OK
Selected Temperature B	OK
Selected Temperature C	OK
Channel 1 Summation	OK
Channel 2 Summation	OK
Channel 4 Summation	OK
Log Pages	OK
331/338 nm Uncal. Line Ratio	OK
Uncal. PMDs as RGB signal	OK
780 nm 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

First Product : 25-JUL-2010 23:42:21.635 : ORBIT : 79801.0101  
 Last Product : 26-JUL-2010 23:34:54.368 : ORBIT : 79815.2503  
 Total Products Processed : 17945 Day : 207 Page : 21

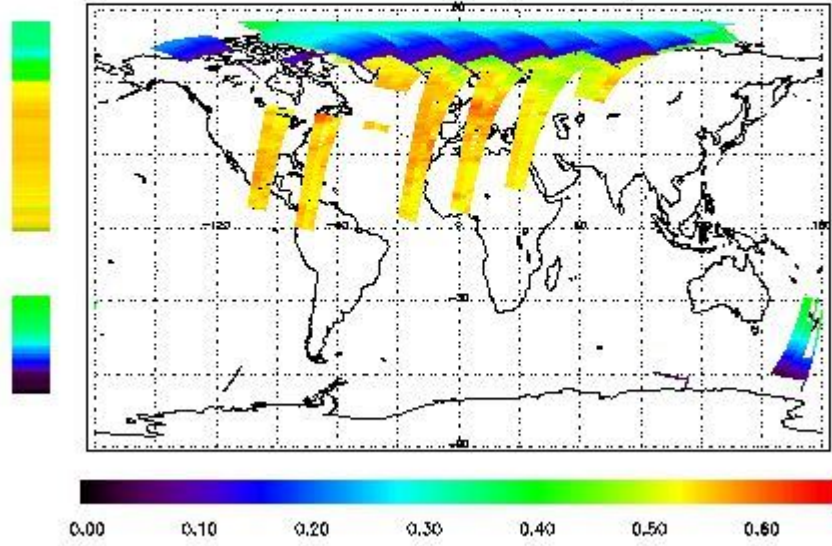


### Ozone Line Ratio

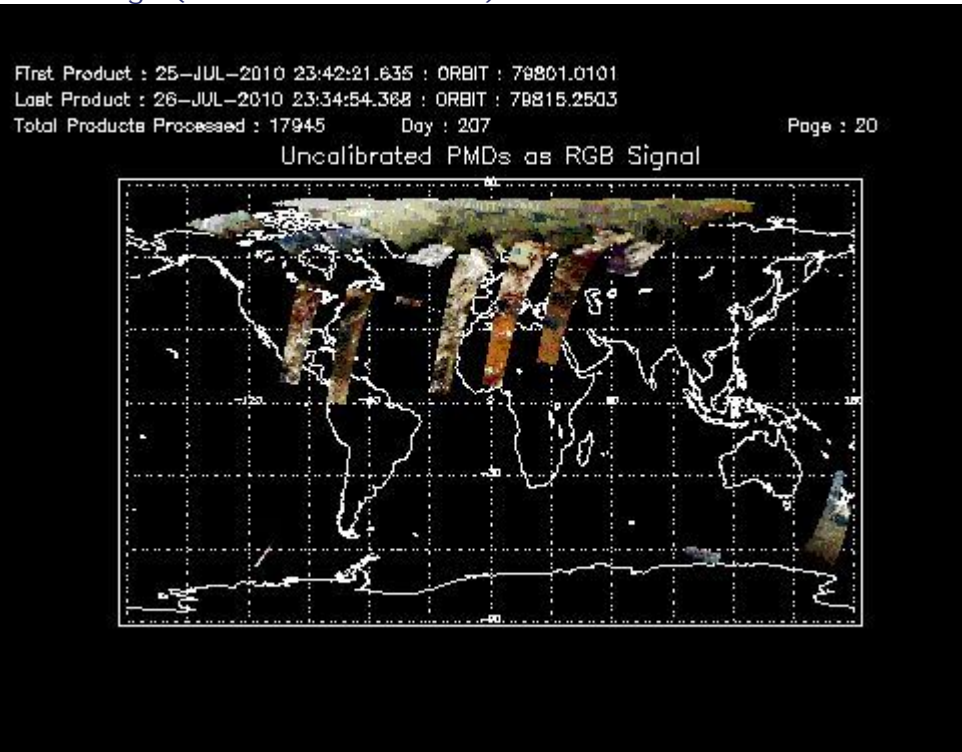
First Product : 25-JUL-2010 23:42:21.635 : ORBIT : 79801.0101  
 Last Product : 26-JUL-2010 23:34:54.368 : ORBIT : 79815.2503  
 Total Products Processed : 17945 Day : 207

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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	16:44:32.367	--	79811	Yes	--	14790

#### 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