

# GOME Daily Report

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## 1 - General Info

### 1.1 - Report Summary

Item	Value
Report Version	GOMEver3_3
Report of Day	12-JUN-2010
Start Time of First Product	00:29:56
Stop Time of Last Product	23:17:40
Number of EGOI Products analysed	37
Number of corrupted products	1
Anomalies and/or Special Operations	Nominal Data

### 1.2 - List of received products

Name	Date	Time
EGOI_100612GSEP8304.E2	12-JUN-2010	01:14:00.410
EGOI_100612GSEP8335.E2	12-JUN-2010	02:50:56.496
EGOI_100612GSEP8363.E2	12-JUN-2010	04:32:46.621
EGOI_100612GSEP8370.E2	12-JUN-2010	06:14:54.743
EGOI_100612KSEP2950.E2	12-JUN-2010	06:32:38.344
EGOI_100612KSEP2977.E2	12-JUN-2010	08:12:31.458
EGOI_100612KSEP2996.E2	12-JUN-2010	09:52:09.564
EGOI_100612KSEP3017.E2	12-JUN-2010	11:31:46.175
EGOI_100612KSEP3036.E2	12-JUN-2010	13:10:49.781

EGOI_100612KSEP3044.E2	12-JUN-2010	14:50:39.891
EGOI_100612KSEP3055.E2	12-JUN-2010	16:27:14.978
EGOI_100612KSEP3083.E2	12-JUN-2010	18:05:17.081
EGOI_100612KSEP3114.E2	12-JUN-2010	19:43:28.176
EGOI_100612KSEP3136.E2	12-JUN-2010	21:24:01.790
EGOI_100612KSEP3160.E2	12-JUN-2010	23:06:45.920
EGOI_100612MAEP3241.E2	12-JUN-2010	09:59:38.111
EGOI_100612MAEP3258.E2	12-JUN-2010	21:16:21.243
EGOI_100612MMEP9741.E2	12-JUN-2010	00:29:55.641
EGOI_100612MMEP9748.E2	12-JUN-2010	02:12:02.258
EGOI_100612MMEP9755.E2	12-JUN-2010	05:37:12.508
EGOI_100612MMEP9764.E2	12-JUN-2010	07:18:50.629
EGOI_100612MMEP9770.E2	12-JUN-2010	10:40:06.858
EGOI_100612MMEP9782.E2	12-JUN-2010	13:59:48.577
EGOI_100612MMEP9789.E2	12-JUN-2010	15:39:20.685
EGOI_100612MMEP9796.E2	12-JUN-2010	17:19:24.300
EGOI_100612MMEP9804.E2	12-JUN-2010	18:58:26.398
EGOI_100612MMEP9811.E2	12-JUN-2010	20:37:25.505
EGOI_100612MMEP9820.E2	12-JUN-2010	22:17:38.118
EGOI_100612MSEP8610.E2	12-JUN-2010	10:08:06.663
EGOI_100612MSEP8639.E2	12-JUN-2010	11:44:46.253
EGOI_100612MSEP8662.E2	12-JUN-2010	13:26:12.371
EGOI_100612MSEP8676.E2	12-JUN-2010	21:18:55.759
EGOI_100612MSEP8708.E2	12-JUN-2010	22:53:39.834
EGOI_100612SGEP6239.E2	12-JUN-2010	03:29:23.726
EGOI_100612SGEP6244.E2	12-JUN-2010	05:11:15.351
EGOI_100612SGEP6249.E2	12-JUN-2010	14:25:23.239
EGOI_100612SGEP6255.E2	12-JUN-2010	16:03:56.838

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### 1.3 - List of data gaps

Station	Orbit	Date	Start Time	Stop Time	Duration (s)
KS	79176	12-JUN-2010	08:10:55.270	08:12:31.457	96.187000
KS	79177	12-JUN-2010	09:50:32.505	09:52:09.564	97.059000
KS	79178	12-JUN-2010	11:30:04.684	11:31:46.175	101.49100
KS	79179	12-JUN-2010	13:09:14.133	13:10:49.780	95.647000
KS	79180	12-JUN-2010	14:47:54.578	14:50:39.891	165.31300
KS	79181	12-JUN-2010	16:25:34.473	16:27:14.978	100.50500
KS	79182	12-JUN-2010	18:03:21.504	18:05:17.080	115.57600
KS	79183	12-JUN-2010	19:42:13.409	19:43:28.176	74.767000
KS	79184	12-JUN-2010	21:22:49.748	21:24:01.790	72.042000
GS	79172	12-JUN-2010	01:12:49.776	01:14:00.409	70.633000

GS	79173	12-JUN-2010	02:49:53.102	02:50:56.495	63.393000
GS	79174	12-JUN-2010	04:31:44.539	04:32:46.621	62.082000
MS	79177	12-JUN-2010	10:06:04.973	10:08:06.662	121.68900
MS	79178	12-JUN-2010	11:43:00.115	11:44:46.252	106.13700
MS	79179	12-JUN-2010	13:24:37.357	13:26:12.370	95.013000
MS	79185	12-JUN-2010	22:52:17.542	22:53:39.833	82.291000
MA	79177	12-JUN-2010	09:58:34.950	09:59:38.111	63.161000
MA	79184	12-JUN-2010	21:14:32.647	21:16:21.243	108.59600
MM	79181	12-JUN-2010	17:17:52.393	17:19:24.300	91.907000
MM	79182	12-JUN-2010	18:57:00.609	18:58:26.398	85.789000
MM	79183	12-JUN-2010	20:36:23.247	20:37:25.505	62.258000
MM	79184	12-JUN-2010	22:16:23.817	22:17:38.118	74.301000
SG	79173	12-JUN-2010	03:26:54.320	03:29:23.726	149.40600
SG	79173	12-JUN-2010	03:30:37.232	03:40:47.490	610.25800
SG	79179	12-JUN-2010	14:23:59.302	14:25:23.239	83.937000
SG	79180	12-JUN-2010	16:02:02.615	16:03:56.837	114.22200

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#### 1.4 - List of missing products

Station	Orbit	Date	Start Time	Stop Time	Duration (s)
HO	79171	12-JUN-2010	00:17:43.768	00:32:21.928	878.16000
HO	79172	12-JUN-2010	02:01:23.662	02:09:30.572	486.91000
BE	79173	12-JUN-2010	03:15:55.648	03:29:16.028	800.38000
MM	79173	12-JUN-2010	03:54:42.807	04:01:23.729	400.92200
MI	79173	12-JUN-2010	02:45:41.314	02:58:02.991	741.67700
CM	79173	12-JUN-2010	02:47:04.416	02:54:14.445	430.02900
CM	79173	12-JUN-2010	04:23:24.816	04:35:36.946	732.13000
BE	79174	12-JUN-2010	04:57:01.578	05:04:59.168	477.59000
MI	79174	12-JUN-2010	04:25:23.750	04:36:54.474	690.72400
JO	79175	12-JUN-2010	06:58:14.380	07:10:06.653	712.27300
MM	79176	12-JUN-2010	08:59:13.571	09:09:01.774	588.20300
MA	79176	12-JUN-2010	08:20:07.087	08:31:15.594	668.50700
JO	79176	12-JUN-2010	08:35:37.773	08:50:27.895	890.12200
HO	79178	12-JUN-2010	12:28:22.885	12:42:52.450	869.56500
MM	79178	12-JUN-2010	12:19:25.142	12:31:55.338	750.19600
MA	79178	12-JUN-2010	11:40:00.578	11:46:53.141	412.56300

HO	79179	12-JUN-2010	14:07:57.007	14:21:12.622	795.61500
SG	79179	12-JUN-2010	14:23:59.302	14:34:58.459	659.15700
BE	79180	12-JUN-2010	14:32:41.449	14:45:52.164	790.71500
MI	79180	12-JUN-2010	15:05:55.412	15:17:36.806	701.39400
GS	79180	12-JUN-2010	14:59:34.224	15:12:23.781	769.55700
CM	79180	12-JUN-2010	15:10:31.855	15:17:36.437	424.58200
MI	79181	12-JUN-2010	16:44:54.305	16:57:08.580	734.27500
GS	79181	12-JUN-2010	16:38:47.541	16:52:12.673	805.13200
CM	79181	12-JUN-2010	16:47:23.223	16:59:31.459	728.23600
GS	79182	12-JUN-2010	18:19:53.673	18:27:14.800	441.12700
JO	79182	12-JUN-2010	19:18:19.647	19:28:33.285	613.63800
MA	79183	12-JUN-2010	19:36:04.546	19:48:01.387	716.84100
JO	79183	12-JUN-2010	20:55:35.772	21:10:34.491	898.71900
HO	79184	12-JUN-2010	22:09:58.011	22:20:56.319	658.30800
JO	79184	12-JUN-2010	22:37:32.163	22:45:33.097	480.93400
HO	79185	12-JUN-2010	23:46:41.147	00:01:06.908	865.76100
MM	79185	12-JUN-2010	23:57:20.932	00:08:52.222	691.29000

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## 1.5 - List of corrupted products

Station	Orbit	Time
MM	79175	07:18:50.629

## 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

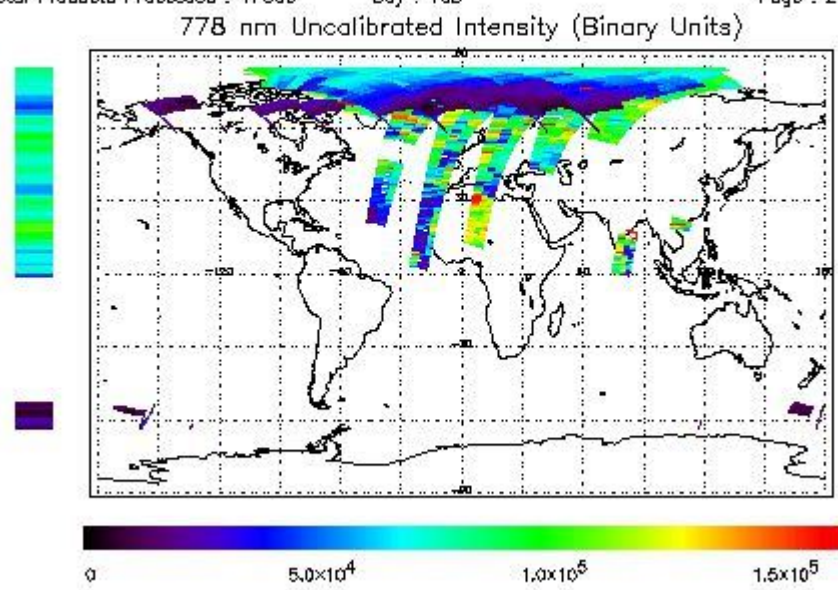
FPA Temperatures A	OK
FPA Temperaturas B	OK
Charge Amp Temperatures	OK
Other Temperatures A	OK
DDHU Temperatures	OK
Optical Bench Temperatures	OK
Other Temperatures B	OK
Calibration Lamp and Instr. Status 3	OK
Scan Mirror and Motor Current	OK
Selected Temperature A	OK
Selected Temperature B	OK
Selected 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 : 12-JUN-2010 00:29:55.641 : ORBIT : 79171.6544  
 Last Product : 12-JUN-2010 23:17:39.982 : ORBIT : 79185.2503  
 Total Products Processed : 17089 Day : 163 Page : 21

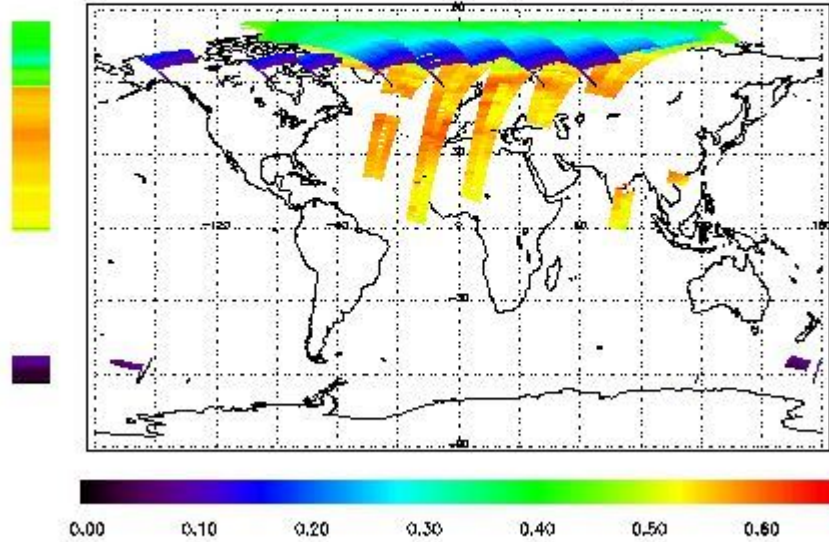


### Ozone Line Ratio

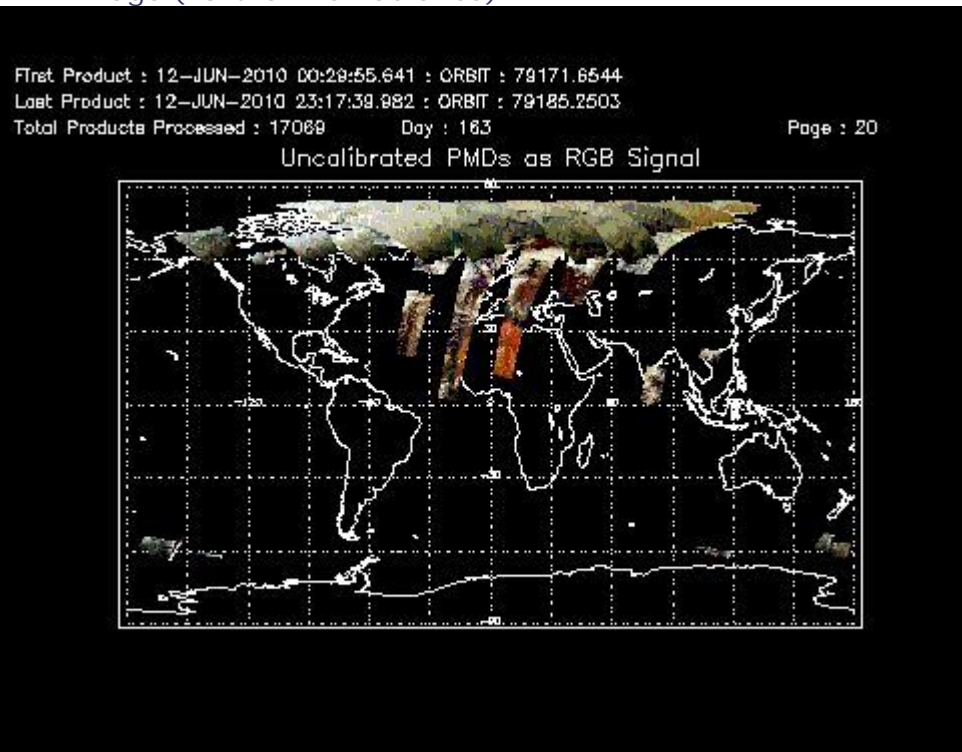
First Product : 12-JUN-2010 00:29:55.641 : ORBIT : 79171.6544  
 Last Product : 12-JUN-2010 23:17:39.982 : ORBIT : 79185.2503  
 Total Products Processed : 17089 Day : 163

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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	19:47:13.199	--	79183	Yes	--	14610

#### 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