

# GOME Daily Report

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## 1 - General Info

### 1.1 - Report Summary

Item	Value
Report Version	GOMEver3_3
Report of Day	09-JUN-2011
Start Time of First Product	23:49:36 (08-Jun)
Stop Time of Last Product	23:40:07
Number of EGOI Products analysed	30
Number of corrupted products	--
Anomalies and/or Special Operations	Nominal Data

### 1.2 - List of received products

Name	Date	Time
EGOI_110609GSEP4025.E2	09-JUN-2011	01:37:02.187
EGOI_110609GSEP4056.E2	09-JUN-2011	03:15:01.285
EGOI_110609GSEP4066.E2	09-JUN-2011	04:57:46.915
EGOI_110609KSEP6330.E2	09-JUN-2011	00:07:21.136
EGOI_110609KSEP6345.E2	09-JUN-2011	06:56:26.642
EGOI_110609KSEP6372.E2	09-JUN-2011	08:36:13.749
EGOI_110609KSEP6392.E2	09-JUN-2011	10:15:45.862
EGOI_110609KSEP6421.E2	09-JUN-2011	11:55:05.968
EGOI_110609KSEP6437.E2	09-JUN-2011	13:34:00.571

EGOI_110609KSEP6450.E2	09-JUN-2011	15:12:34.177
EGOI_110609KSEP6465.E2	09-JUN-2011	16:50:15.276
EGOI_110609KSEP6488.E2	09-JUN-2011	18:27:42.870
EGOI_110609KSEP6496.E2	09-JUN-2011	20:06:20.969
EGOI_110609KSEP6513.E2	09-JUN-2011	21:47:12.590
EGOI_110609KSEP6528.E2	09-JUN-2011	23:30:29.720
EGOI_110609MAEP8909.E2	09-JUN-2011	08:44:27.297
EGOI_110609MAEP8923.E2	09-JUN-2011	10:23:20.409
EGOI_110609MAEP8934.E2	09-JUN-2011	19:59:53.933
EGOI_110609MAEP8955.E2	09-JUN-2011	21:39:18.539
EGOI_110609MIEP4687.E2	09-JUN-2011	03:10:49.256
EGOI_110609MIEP4711.E2	09-JUN-2011	04:51:57.381
EGOI_110609MIEP4738.E2	09-JUN-2011	15:29:55.279
EGOI_110609MIEP4765.E2	09-JUN-2011	17:09:54.389
EGOI_110609MSEP0593.E2	08-JUN-2011	23:49:36.030
EGOI_110609MSEP0618.E2	09-JUN-2011	10:30:14.449
EGOI_110609MSEP0647.E2	09-JUN-2011	12:08:04.548
EGOI_110609MSEP0668.E2	09-JUN-2011	21:39:36.539
EGOI_110609MSEP0700.E2	09-JUN-2011	23:16:07.134
EGOI_110609SGEP3761.E2	09-JUN-2011	14:49:52.037
EGOI_110609SGEP3768.E2	09-JUN-2011	16:27:43.635

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### 1.3 - List of data gaps

Station	Orbit	Date	Start Time	Stop Time	Duration (s)
KS	84353	09-JUN-2011	00:03:26.998	00:07:21.135	234.13700
KS	84357	09-JUN-2011	06:54:16.631	06:56:26.641	130.01000
KS	84358	09-JUN-2011	08:33:40.966	08:36:13.749	152.78300
KS	84359	09-JUN-2011	10:13:18.640	10:15:45.861	147.22100
KS	84360	09-JUN-2011	11:52:47.256	11:55:05.967	138.71100
KS	84361	09-JUN-2011	13:31:48.753	13:34:00.571	131.81800
KS	84362	09-JUN-2011	15:10:13.452	15:12:34.176	140.72400
KS	84363	09-JUN-2011	16:47:50.072	16:50:15.276	145.20400
KS	84364	09-JUN-2011	18:25:49.996	18:27:42.870	112.87400
KS	84365	09-JUN-2011	20:05:02.629	20:06:20.969	78.340000
KS	84366	09-JUN-2011	21:46:08.057	21:47:12.590	64.533000
GS	84354	09-JUN-2011	01:34:36.104	01:37:02.187	146.08300
GS	84355	09-JUN-2011	03:12:41.415	03:15:01.284	139.86900
MS	84353	08-JUN-2011	23:46:33.577	23:49:36.030	182.45300
MS	84359	09-JUN-2011	10:27:38.213	10:30:14.449	156.23600
MS	84360	09-JUN-2011	12:05:46.932	12:08:04.548	137.61600

MS	84367	09-JUN-2011	23:14:55.092	23:16:07.133	72.041000
MA	84358	09-JUN-2011	08:42:36.015	08:44:27.297	111.28200
MA	84359	09-JUN-2011	10:21:22.000	10:23:20.408	118.40800
MA	84365	09-JUN-2011	19:58:05.954	19:59:53.932	107.97800
MA	84366	09-JUN-2011	21:37:41.035	21:39:18.539	97.504000
MI	84355	09-JUN-2011	03:07:53.183	03:10:49.255	176.07200
MI	84356	09-JUN-2011	04:49:23.757	04:51:57.381	153.62400
MI	84362	09-JUN-2011	15:28:07.079	15:29:55.279	108.20000
MI	84363	09-JUN-2011	17:08:12.218	17:09:54.388	102.17000
SG	84361	09-JUN-2011	14:45:43.139	14:49:52.036	248.89700
SG	84362	09-JUN-2011	16:25:28.550	16:27:43.634	135.08400

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#### 1.4 - List of missing products

Station	Orbit	Date	Start Time	Stop Time	Duration (s)
HO	84353	09-JUN-2011	00:40:48.128	00:54:59.714	851.58600
MM	84353	09-JUN-2011	00:52:36.328	01:03:14.732	638.40400
BE	84354	09-JUN-2011	01:59:48.573	02:11:35.131	706.55800
MM	84354	09-JUN-2011	02:35:10.546	02:43:37.593	507.04700
SG	84354	09-JUN-2011	02:12:47.315	02:22:01.802	554.48700
BE	84355	09-JUN-2011	03:38:46.251	03:51:40.525	774.27400
MM	84355	09-JUN-2011	04:18:15.991	04:24:32.334	376.34300
SG	84355	09-JUN-2011	03:49:43.233	04:03:17.281	814.04800
CM	84355	09-JUN-2011	03:08:07.778	03:18:10.883	603.10500
CM	84355	09-JUN-2011	04:46:36.455	04:57:51.964	675.50900
MM	84356	09-JUN-2011	06:00:37.772	06:06:38.697	360.92500
MM	84357	09-JUN-2011	07:41:42.555	07:49:42.572	480.01700
JO	84357	09-JUN-2011	07:19:54.518	07:33:24.724	810.20600
MM	84358	09-JUN-2011	09:22:09.213	09:32:26.034	616.82100
JO	84358	09-JUN-2011	08:58:44.871	09:12:51.857	846.98600
MM	84359	09-JUN-2011	11:02:18.533	11:14:10.386	711.85300
MM	84360	09-JUN-2011	12:42:14.414	12:54:50.791	756.37700
HO	84361	09-JUN-2011	14:31:02.246	14:42:51.053	708.80700
MM	84361	09-JUN-2011	14:21:55.705	14:34:38.972	763.26700
SG	84361	09-JUN-2011	14:45:43.139	14:58:30.023	766.88400
BE	84362	09-JUN-2011	14:55:51.338	15:08:21.190	749.85200

MM	84362	09-JUN-2011	16:01:20.729	16:13:55.598	754.86900
GS	84362	09-JUN-2011	15:22:04.841	15:35:37.796	812.95500
CM	84362	09-JUN-2011	15:31:46.189	15:41:55.448	609.25900
MM	84363	09-JUN-2011	17:40:31.900	17:53:03.863	751.96300
GS	84363	09-JUN-2011	17:01:41.778	17:14:24.188	762.41000
CM	84363	09-JUN-2011	17:10:28.926	17:21:37.726	668.80000
MM	84364	09-JUN-2011	19:19:41.359	19:32:20.955	759.59600
JO	84364	09-JUN-2011	19:39:58.247	19:52:38.375	760.12800
MM	84365	09-JUN-2011	20:59:10.672	21:11:53.980	763.30800
JO	84365	09-JUN-2011	21:18:27.075	21:32:58.336	871.26100
HO	84366	09-JUN-2011	22:31:35.754	22:43:58.986	743.23200
MM	84366	09-JUN-2011	22:39:22.805	22:51:42.803	739.99800

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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

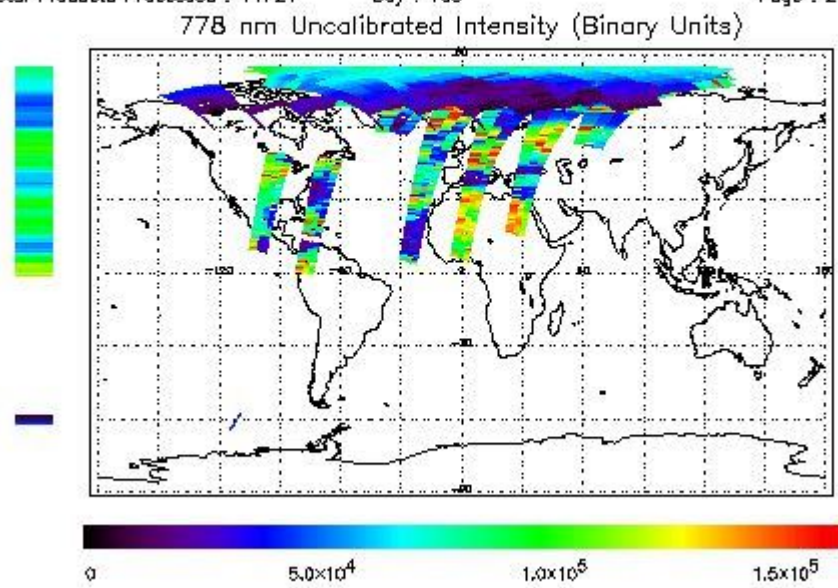
Scan Mirror and Motor Current	OK
Selected Temperature A	OK
Selected Temperature B	OK
Selected Temperature C	OK
Channel 1 Summation	OK
Channel 2 Summation	OK
Channel 4 Summation	OK
Log Pages	OK
331/338 nm Uncal. Line Ratio	OK
Uncal. PMDs as RGB signal	OK
780 nm Uncal. Intensity	OK

## 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

First Product : 08-JUN-2011 23:49:36.030 : ORBIT : 84353.0249  
 Last Product : 09-JUN-2011 23:40:07.274 : ORBIT : 84387.2450  
 Total Products Processed : 14724 Day : 180 Page : 21

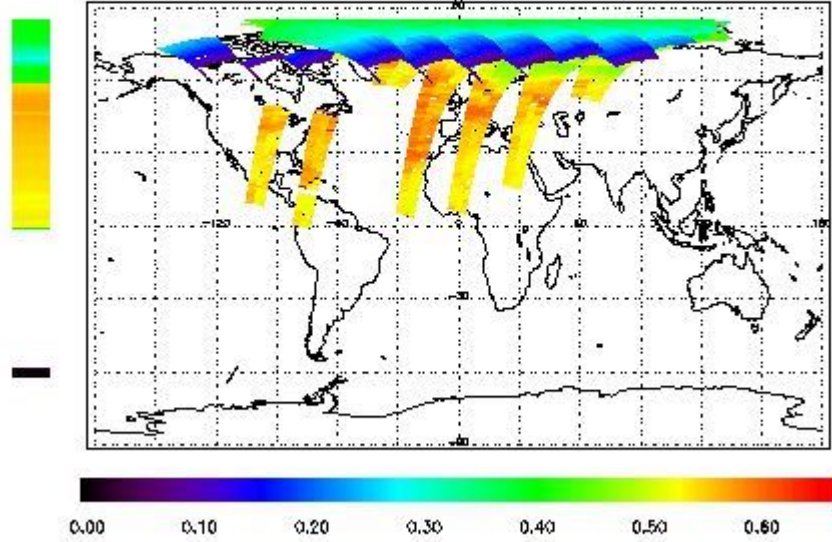


### Ozone Line Ratio

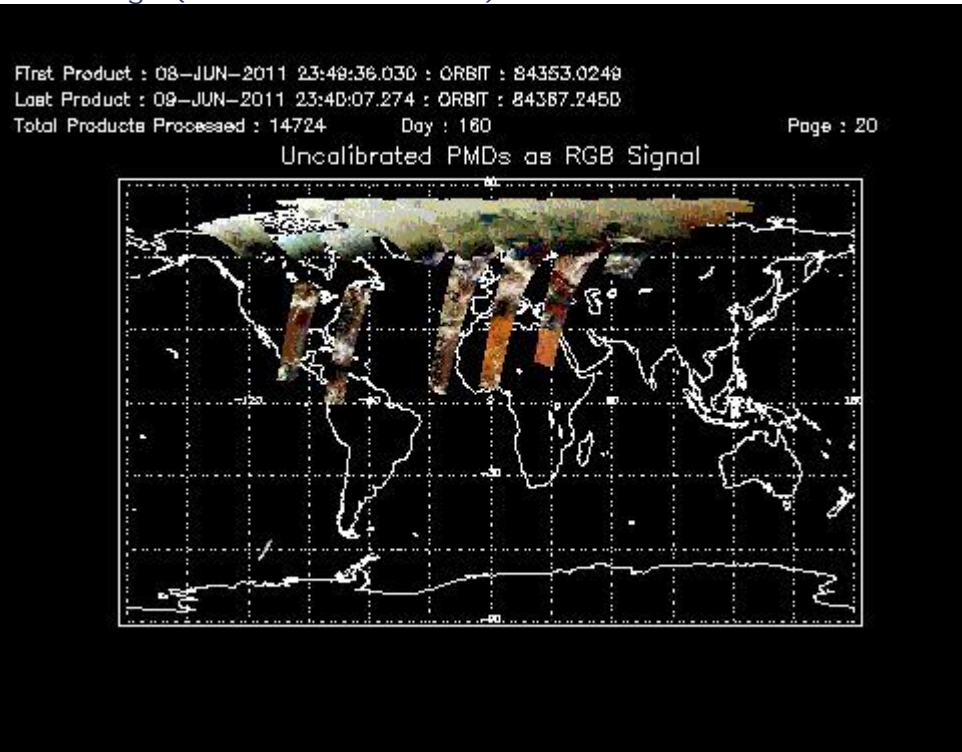
First Product : 08-JUN-2011 23:49:36.030 : ORBIT : 84353.0249  
 Last Product : 09-JUN-2011 23:40:07.274 : ORBIT : 84367.2450  
 Total Products Processed : 14724 Day : 160

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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	--	--	84363	No Start	--	--

#### 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)
--	--	--	--	--	--	--	--



## 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
--	--	--	--	--

### 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