

# GOME Daily Report

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## 1 - General Info

### 1.1 - Report Summary

Item	Value
Report Version	GOMEver3_3
Report of Day	14-JUN-2010
Start Time of First Product	00:02:33
Stop Time of Last Product	23:44:14
Number of EGOI Products analysed	34
Number of corrupted products	--
Anomalies and/or Special Operations	Narrow Sawth performed as planned, start orbit 79212

### 1.2 - List of received products

Name	Date	Time
EGOI_100614BEEP3023.E2	14-JUN-2010	02:20:58.883
EGOI_100614BEEP3029.E2	14-JUN-2010	03:54:56.457
EGOI_100614GSEP8468.E2	14-JUN-2010	01:49:18.195
EGOI_100614GSEP8499.E2	14-JUN-2010	03:28:09.793
EGOI_100614GSEP8508.E2	14-JUN-2010	05:23:01.496
EGOI_100614KSEP3444.E2	14-JUN-2010	07:09:32.144
EGOI_100614KSEP3464.E2	14-JUN-2010	08:49:29.754
EGOI_100614KSEP3487.E2	14-JUN-2010	10:29:10.865
EGOI_100614KSEP3513.E2	14-JUN-2010	12:08:35.471

EGOI_100614KSEP3526.E2	14-JUN-2010	13:47:34.574
EGOI_100614KSEP3539.E2	14-JUN-2010	15:26:02.176
EGOI_100614KSEP3552.E2	14-JUN-2010	17:03:29.775
EGOI_100614KSEP3599.E2	14-JUN-2010	18:41:29.096
EGOI_100614KSEP3619.E2	14-JUN-2010	20:20:31.199
EGOI_100614KSEP3646.E2	14-JUN-2010	22:01:58.817
EGOI_100614MAEP3296.E2	14-JUN-2010	08:56:58.294
EGOI_100614MAEP3306.E2	14-JUN-2010	10:36:37.900
EGOI_100614MAEP3322.E2	14-JUN-2010	20:13:49.160
EGOI_100614MMEP9908.E2	14-JUN-2010	01:07:43.436
EGOI_100614MMEP9916.E2	14-JUN-2010	02:50:09.562
EGOI_100614MMEP9929.E2	14-JUN-2010	14:36:46.879
EGOI_100614MMEP9939.E2	14-JUN-2010	17:56:33.095
EGOI_100614MMEP9944.E2	14-JUN-2010	19:35:02.422
EGOI_100614MMEP9952.E2	14-JUN-2010	21:14:33.027
EGOI_100614MMEP9960.E2	14-JUN-2010	22:54:32.141
EGOI_100614MSEP8839.E2	14-JUN-2010	00:02:32.545
EGOI_100614MSEP8857.E2	14-JUN-2010	10:43:06.448
EGOI_100614MSEP8885.E2	14-JUN-2010	12:21:55.050
EGOI_100614MSEP8914.E2	14-JUN-2010	21:52:48.262
EGOI_100614MSEP8945.E2	14-JUN-2010	23:30:38.361
EGOI_100614SGEP6291.E2	14-JUN-2010	02:32:22.953
EGOI_100614SGEP6299.E2	14-JUN-2010	04:11:37.058
EGOI_100614SGEP6304.E2	14-JUN-2010	15:01:14.028
EGOI_100614SGEP6311.E2	14-JUN-2010	16:42:22.146

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### 1.3 - List of data gaps

Station	Orbit	Date	Start Time	Stop Time	Duration (s)
KS	79204	14-JUN-2010	07:08:26.112	07:09:32.143	66.031000
KS	79205	14-JUN-2010	08:47:54.813	08:49:29.753	94.940000
KS	79206	14-JUN-2010	10:27:32.243	10:29:10.865	98.622000
KS	79207	14-JUN-2010	12:06:58.165	12:08:35.470	97.305000
KS	79208	14-JUN-2010	13:45:54.168	13:47:34.574	100.40600
KS	79209	14-JUN-2010	15:24:04.924	15:26:02.176	117.25200
KS	79210	14-JUN-2010	17:01:47.065	17:03:29.774	102.70900
KS	79211	14-JUN-2010	18:39:54.883	18:41:29.096	94.213000
KS	79212	14-JUN-2010	20:19:21.351	20:20:31.199	69.848000
KS	79213	14-JUN-2010	22:00:46.054	22:01:58.816	72.762000
GS	79202	14-JUN-2010	03:27:03.982	03:28:09.792	65.810000
MS	79200	14-JUN-2010	00:01:10.535	00:02:32.544	82.009000

MS	79206	14-JUN-2010	10:41:22.007	10:43:06.447	104.44000
MS	79207	14-JUN-2010	12:20:09.511	12:21:55.050	105.53900
MS	79214	14-JUN-2010	23:29:13.236	23:30:38.360	85.124000
MA	79206	14-JUN-2010	10:35:32.500	10:36:37.899	65.399000
MA	79212	14-JUN-2010	20:11:59.715	20:13:49.160	109.44500
MM	79210	14-JUN-2010	17:54:41.504	17:56:33.094	111.59000
MM	79211	14-JUN-2010	19:33:52.336	19:35:02.421	70.085000
MM	79212	14-JUN-2010	21:13:26.445	21:14:33.026	66.581000
BE	79201	14-JUN-2010	02:13:45.562	02:20:58.883	433.32100
BE	79202	14-JUN-2010	03:53:06.528	03:54:56.457	109.92900
SG	79201	14-JUN-2010	02:26:01.546	02:32:22.953	381.40700
SG	79202	14-JUN-2010	04:04:09.139	04:11:37.058	447.91900
SG	79208	14-JUN-2010	14:59:32.892	15:01:14.028	101.13600
SG	79209	14-JUN-2010	16:40:25.428	16:42:22.146	116.71800

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#### 1.4 - List of missing products

Station	Orbit	Date	Start Time	Stop Time	Duration (s)
HO	79200	14-JUN-2010	00:55:21.545	01:09:00.231	818.68600
KS	79200	14-JUN-2010	00:19:08.033	00:22:13.761	185.72800
MI	79201	14-JUN-2010	01:47:35.462	01:52:38.098	302.63600
MM	79202	14-JUN-2010	04:32:58.069	04:39:02.176	364.10700
MI	79202	14-JUN-2010	03:21:56.219	03:35:17.940	801.72100
CM	79202	14-JUN-2010	03:21:41.265	03:32:48.807	667.54200
CM	79202	14-JUN-2010	05:01:21.801	05:11:32.943	611.14200
MM	79203	14-JUN-2010	06:15:08.126	06:21:20.438	372.31200
MI	79203	14-JUN-2010	05:04:57.307	05:11:37.215	399.90800
MM	79204	14-JUN-2010	07:56:05.054	08:04:25.748	500.69400
JO	79204	14-JUN-2010	07:33:39.415	07:47:50.738	851.32300
MM	79205	14-JUN-2010	09:36:28.553	09:47:02.067	633.51400
JO	79205	14-JUN-2010	09:13:23.086	09:26:43.723	800.63700
HO	79206	14-JUN-2010	11:26:47.399	11:38:07.307	679.90800
MM	79206	14-JUN-2010	11:16:35.912	11:28:37.070	721.15800
HO	79207	14-JUN-2010	13:05:03.805	13:19:53.129	889.32400
MM	79207	14-JUN-2010	12:56:29.820	13:09:09.026	759.20600
HO	79208	14-JUN-2010	14:45:30.910	14:55:43.006	612.09600

GS	79208	14-JUN-2010	13:58:56.399	14:06:24.180	447.78100
SG	79208	14-JUN-2010	14:59:32.892	15:12:58.603	805.71100
BE	79209	14-JUN-2010	15:10:30.469	15:22:18.338	707.86900
MM	79209	14-JUN-2010	16:15:31.580	16:28:05.352	753.77200
MI	79209	14-JUN-2010	15:42:08.472	15:55:22.732	794.26000
GS	79209	14-JUN-2010	15:36:12.639	15:50:00.828	828.18900
CM	79209	14-JUN-2010	15:45:26.864	15:56:41.136	674.27200
MI	79210	14-JUN-2010	17:22:58.625	17:32:10.715	552.09000
GS	79210	14-JUN-2010	17:16:03.276	17:28:09.123	725.84700
CM	79210	14-JUN-2010	17:25:06.592	17:35:11.538	604.94600
JO	79211	14-JUN-2010	19:53:44.887	20:07:23.396	818.50900
JO	79212	14-JUN-2010	21:32:49.875	21:46:48.569	838.69400
HO	79213	14-JUN-2010	22:45:17.834	22:58:18.156	780.32200
MA	79213	14-JUN-2010	21:52:54.123	22:04:22.032	687.90900

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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

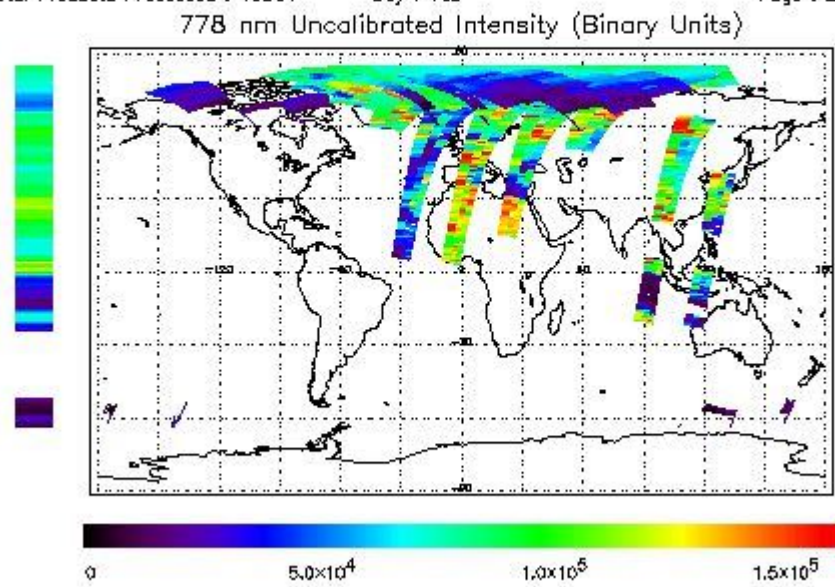
Other Temperatures B	OK
Calibration Lamp and Instr. Status 3	OK
Scan Mirror and Motor Current	OK
Selected Temperature A	OK
Selected Temperature B	OK
Selected Temperature C	OK
Channel 1 Summation	OK
Channel 2 Summation	OK
Channel 4 Summation	OK
Log Pages	OK
331/338 nm Uncal. Line Ratio	OK
Uncal. PMDs 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 : 14-JUN-2010 00:02:32.545 : ORBIT : 79200.0107  
 Last Product : 14-JUN-2010 23:44:14.443 : ORBIT : 79214.1431  
 Total Products Processed : 18304 Day : 165 Page : 21



### Ozone Line Ratio

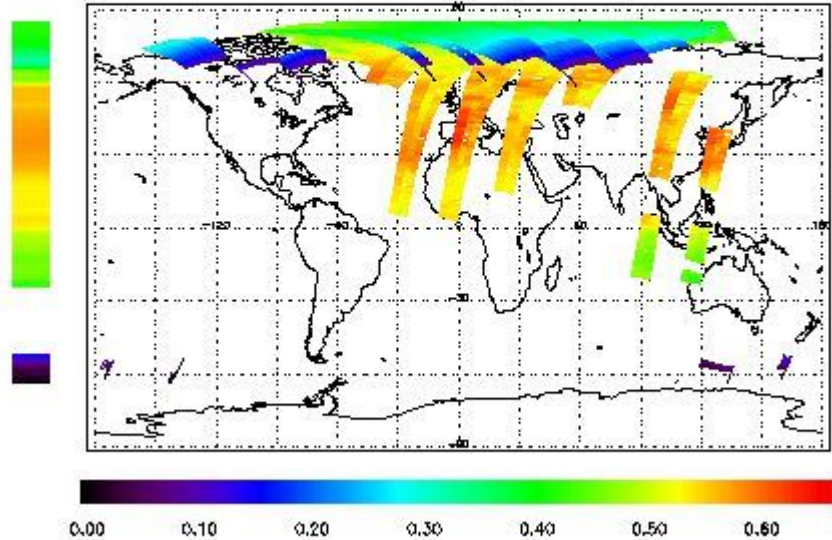
First Product : 14-JUN-2010 00:02:32.545 : ORBIT : 79200.0107

Last Product : 14-JUN-2010 23:44:14.443 : ORBIT : 79214.1431

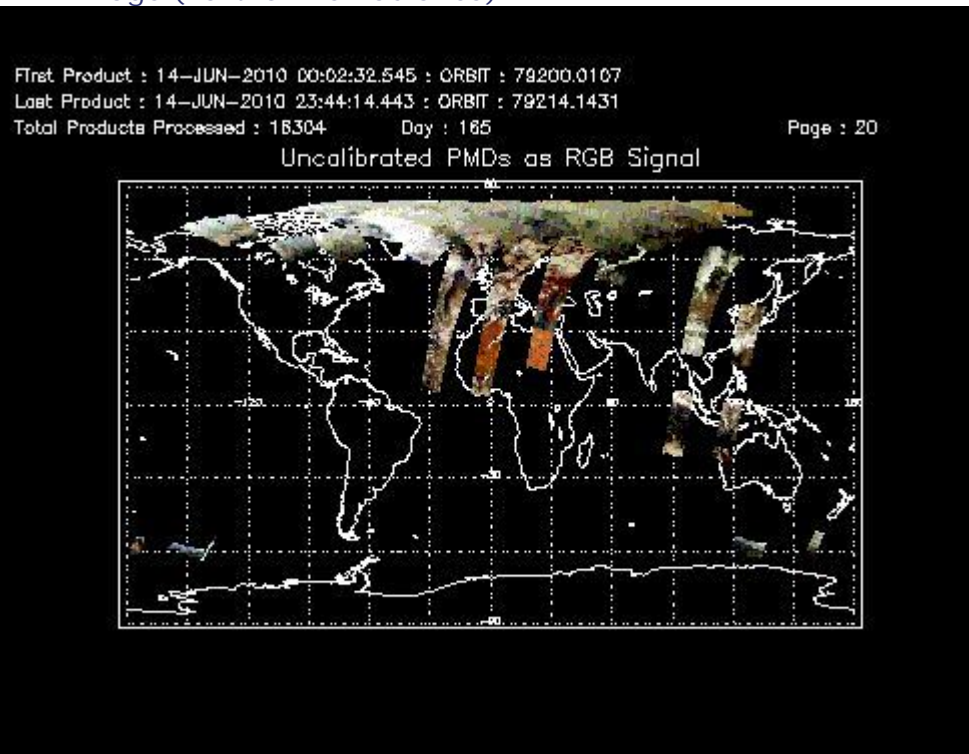
Total Products Processed : 18304 Day : 165

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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	18:44:01.111	--	79211	Yes	--	14510

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

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

### 5.2 - TST44

Start Time	Start Orbit	Ground Station Visibility
--	--	--

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

### 5.5 - Narrow Swath Timeline

Start Time	End Time	Start Orbit	End Orbit
20:00	--	79212	--

## 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