

# GOME Daily Report

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## 1 - General Info

### 1.1 - Report Summary

Item	Value
Report Version	GOMEver3_3
Report of Day	04-JUL-2010
Start Time of First Product	23:48:50 (02-Jul)
Stop Time of Last Product	23:26:17
Number of EGOI Products analysed	35
Number of corrupted products	--
Anomalies and/or Special Operations	Narrow Swath performed as planned, start orbit 79498; no solar calibration available due to the execution of an ERS-2 orbit manoeuvre

### 1.2 - List of received products

Name	Date	Time
EGOI_100704KSEP8372.E2	03-JUL-2010	23:48:50.224
EGOI_100704KSEP8388.E2	04-JUL-2010	06:41:09.229
EGOI_100704KSEP8407.E2	04-JUL-2010	08:21:06.838
EGOI_100704KSEP8424.E2	04-JUL-2010	10:00:46.439
EGOI_100704KSEP8444.E2	04-JUL-2010	11:40:21.549
EGOI_100704KSEP8461.E2	04-JUL-2010	13:19:23.665
EGOI_100704KSEP8469.E2	04-JUL-2010	14:58:06.263
EGOI_100704KSEP8494.E2	04-JUL-2010	16:35:42.867
EGOI_100704KSEP8523.E2	04-JUL-2010	18:13:40.825

EGOI_100704KSEP8553.E2	04-JUL-2010	19:52:06.932
EGOI_100704KSEP8573.E2	04-JUL-2010	21:32:49.543
EGOI_100704KSEP8590.E2	04-JUL-2010	23:15:47.173
EGOI_100704MAEP4086.E2	04-JUL-2010	08:29:32.389
EGOI_100704MAEP4099.E2	04-JUL-2010	10:08:17.982
EGOI_100704MAEP4114.E2	04-JUL-2010	21:25:11.996
EGOI_100704MIEP5345.E2	04-JUL-2010	02:55:24.357
EGOI_100704MIEP5372.E2	04-JUL-2010	04:35:47.471
EGOI_100704MIEP5396.E2	04-JUL-2010	15:15:37.868
EGOI_100704MIEP5423.E2	04-JUL-2010	16:55:05.484
EGOI_100704MMEP0713.E2	04-JUL-2010	04:03:33.772
EGOI_100704MMEP0724.E2	04-JUL-2010	12:28:39.842
EGOI_100704MMEP0731.E2	04-JUL-2010	14:08:22.462
EGOI_100704MMEP0737.E2	04-JUL-2010	15:47:47.070
EGOI_100704MMEP0742.E2	04-JUL-2010	17:28:13.184
EGOI_100704MMEP0748.E2	04-JUL-2010	19:06:56.150
EGOI_100704MMEP0755.E2	04-JUL-2010	20:46:04.262
EGOI_100704MMEP0762.E2	04-JUL-2010	22:26:10.868
EGOI_100704MSEP1154.E2	04-JUL-2010	10:15:46.529
EGOI_100704MSEP1182.E2	04-JUL-2010	11:53:27.627
EGOI_100704MSEP1201.E2	04-JUL-2010	13:35:14.759
EGOI_100704MSEP1232.E2	04-JUL-2010	23:01:44.083
EGOI_100704SGEP6795.E2	04-JUL-2010	02:01:40.529
EGOI_100704SGEP6801.E2	04-JUL-2010	03:47:11.170
EGOI_100704SGEP6805.E2	04-JUL-2010	14:34:22.618
EGOI_100704SGEP6812.E2	04-JUL-2010	16:12:51.722

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### 1.3 - List of data gaps

Station	Orbit	Date	Start Time	Stop Time	Duration (s)
KS	79490	04-JUL-2010	06:40:08.955	06:41:09.229	60.274000
KS	79491	04-JUL-2010	08:19:27.322	08:21:06.838	99.516000
KS	79492	04-JUL-2010	09:59:04.848	10:00:46.438	101.59000
KS	79493	04-JUL-2010	11:38:35.797	11:40:21.549	105.75200
KS	79494	04-JUL-2010	13:17:42.387	13:19:23.665	101.27800
KS	79495	04-JUL-2010	14:56:18.664	14:58:06.262	107.59800
KS	79496	04-JUL-2010	16:33:56.001	16:35:42.866	106.86500
KS	79497	04-JUL-2010	18:11:46.610	18:13:40.824	114.21400
KS	79498	04-JUL-2010	19:50:46.202	19:52:06.931	80.729000
KS	79499	04-JUL-2010	21:31:33.208	21:32:49.543	76.335000
MS	79492	04-JUL-2010	10:14:00.795	10:15:46.528	105.73300
MS	79493	04-JUL-2010	11:51:27.499	11:53:27.627	120.12800

MA	79491	04-JUL-2010	08:28:21.459	08:29:32.388	70.929000
MA	79492	04-JUL-2010	10:07:08.311	10:08:17.981	69.670000
MA	79499	04-JUL-2010	21:23:11.242	21:25:11.996	120.75400
MI	79488	04-JUL-2010	02:53:58.187	02:55:24.357	86.170000
MI	79489	04-JUL-2010	04:34:18.598	04:35:47.470	88.872000
MI	79495	04-JUL-2010	15:14:12.352	15:15:37.867	85.515000
MI	79496	04-JUL-2010	16:53:36.222	16:55:05.483	89.261000
MM	79496	04-JUL-2010	17:26:22.237	17:28:13.183	110.94600
MM	79497	04-JUL-2010	19:05:30.786	19:06:56.150	85.364000
MM	79498	04-JUL-2010	20:44:55.781	20:46:04.262	68.481000
MM	79499	04-JUL-2010	22:25:00.576	22:26:10.868	70.292000
SG	79488	04-JUL-2010	03:35:25.384	03:47:11.169	705.78500
SG	79494	04-JUL-2010	14:32:04.160	14:34:22.617	138.45700
SG	79495	04-JUL-2010	16:10:46.515	16:12:51.721	125.20600

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#### 1.4 - List of missing products

Station	Orbit	Date	Start Time	Stop Time	Duration (s)
HO	79486	04-JUL-2010	00:26:14.533	00:40:52.435	877.90200
MM	79486	04-JUL-2010	00:38:01.976	00:48:55.773	653.79700
BE	79487	04-JUL-2010	01:45:58.003	01:56:45.763	647.76000
MM	79487	04-JUL-2010	02:20:28.258	02:29:15.852	527.59400
GS	79487	04-JUL-2010	01:20:57.677	01:32:14.679	677.00200
BE	79488	04-JUL-2010	03:24:28.807	03:37:42.076	793.26900
GS	79488	04-JUL-2010	02:58:24.575	03:12:20.174	835.59900
CM	79488	04-JUL-2010	02:54:50.712	03:03:19.577	508.86500
CM	79488	04-JUL-2010	04:32:03.571	04:44:00.163	716.59200
MM	79489	04-JUL-2010	05:46:05.678	05:51:58.278	352.60000
GS	79489	04-JUL-2010	04:40:49.141	04:50:20.307	571.16600
MM	79490	04-JUL-2010	07:27:19.338	07:34:58.863	459.52500
JO	79490	04-JUL-2010	07:06:18.731	07:18:53.029	754.29800
MM	79491	04-JUL-2010	09:07:49.542	09:17:48.737	599.19500
JO	79491	04-JUL-2010	08:44:15.558	08:58:53.513	877.95500
MM	79492	04-JUL-2010	10:48:00.881	10:59:42.366	701.48500
MA	79493	04-JUL-2010	11:48:56.296	11:54:34.571	338.27500
HO	79494	04-JUL-2010	14:16:36.882	14:29:24.322	767.44000

SG	79494	04-JUL-2010	14:32:04.160	14:43:51.538	707.37800
BE	79495	04-JUL-2010	14:41:20.452	14:54:19.237	778.78500
GS	79495	04-JUL-2010	15:07:59.746	15:21:08.562	788.81600
CM	79495	04-JUL-2010	15:18:21.655	15:26:52.079	510.42400
GS	79496	04-JUL-2010	16:47:22.317	17:00:33.618	791.30100
CM	79496	04-JUL-2010	16:56:00.557	17:07:51.869	711.31200
JO	79497	04-JUL-2010	19:26:22.093	19:37:40.452	678.35900
MA	79498	04-JUL-2010	19:44:18.178	19:56:44.565	746.38700
JO	79498	04-JUL-2010	21:04:08.738	21:19:00.573	891.83500
HO	79499	04-JUL-2010	22:18:01.540	22:29:37.367	695.82700
JO	79499	04-JUL-2010	22:46:48.377	22:53:00.620	372.24300
HO	79500	04-JUL-2010	23:55:08.669	00:09:38.961	870.29200

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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

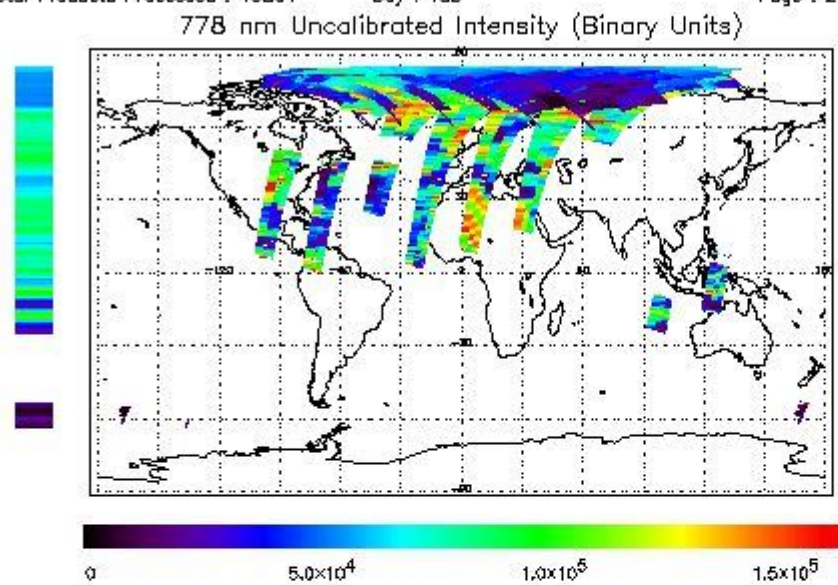
Scan Mirror and Motor Current	OK
Selected Temperature A	OK
Selected Temperature B	OK
Selected Temperature C	OK
Channel 1 Summation	OK
Channel 2 Summation	OK
Channel 4 Summation	OK
Log Pages	OK
331/338 nm Uncal. Line Ratio	OK
Uncal. PMDs as RGB signal	OK
780 nm Uncal. Intensity	OK

## 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 : 03-JUL-2010 23:48:50.224 : ORBIT : 79486.1602  
 Last Product : 04-JUL-2010 23:26:17.235 : ORBIT : 79500.2503  
 Total Products Processed : 15864 Day : 185 Page : 21



### Ozone Line Ratio

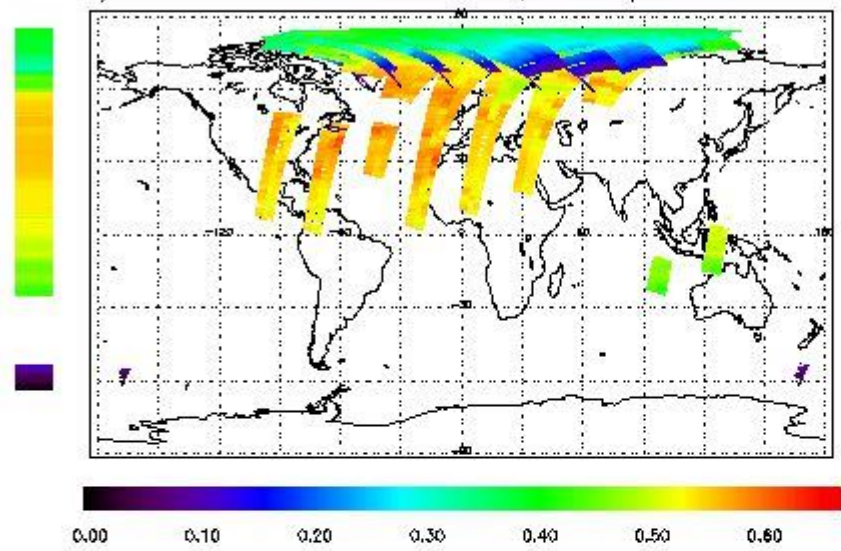
First Product : 03-JUL-2010 23:48:50.224 : ORBIT : 79486.1602

Last Product : 04-JUL-2010 23:26:17.235 : ORBIT : 79500.2503

Total Products Processed : 15864 Day : 185

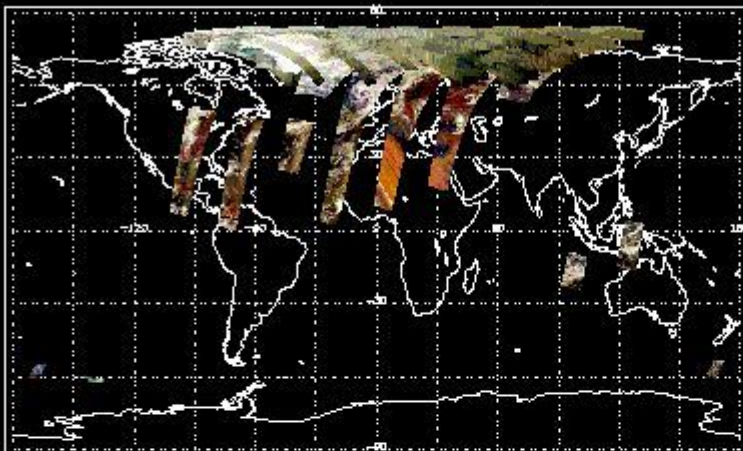
Page : 20

331/313 nm Uncalibrated Line Ratio, SZA Dependence Removed



PMD Image (Earthshine Radiance)

Uncalibrated PMDs as RGB Signal



### 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)
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#### 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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(1)

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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