

# GOME Daily Report

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## 1 - General Info

### 1.1 - Report Summary

Item	Value
Report Version	GOMEver3_3
Time of Report Generation	26-JUN-2009
Start Time of First Product	23:57:32(25-JUN-2009)
Stop Time of Last Product	23:49:41(26-JUN-2009)
Number of EGOI Products analysed	35
Number of corrupted products	--
Anomalies and/or Special Operations	Nominal Data

### 1.2 - List of received products

Name	Date	Time
EGOI_090626GSEP3153.E2	26-JUN-2009	01:45:04.146
EGOI_090626GSEP3180.E2	26-JUN-2009	03:23:22.744
EGOI_090626GSEP3189.E2	26-JUN-2009	05:06:08.365
EGOI_090626HLEP1591.E2	26-JUN-2009	00:51:54.821
EGOI_090626HLEP1598.E2	26-JUN-2009	11:23:55.658
EGOI_090626HLEP1605.E2	26-JUN-2009	13:02:05.256
EGOI_090626HLEP1614.E2	26-JUN-2009	14:42:14.862
EGOI_090626HLEP1621.E2	26-JUN-2009	22:42:13.279
EGOI_090626KSEP0621.E2	26-JUN-2009	07:04:40.582

EGOI_090626KSEP0642.E2	26-JUN-2009	08:44:36.691
EGOI_090626KSEP0669.E2	26-JUN-2009	12:03:46.900
EGOI_090626KSEP0688.E2	26-JUN-2009	13:42:43.003
EGOI_090626KSEP0716.E2	26-JUN-2009	15:21:15.101
EGOI_090626KSEP0748.E2	26-JUN-2009	16:58:50.192
EGOI_090626KSEP0777.E2	26-JUN-2009	18:36:43.290
EGOI_090626KSEP0801.E2	26-JUN-2009	20:15:33.392
EGOI_090626KSEP0824.E2	26-JUN-2009	21:56:56.502
EGOI_090626KSEP0846.E2	26-JUN-2009	23:40:48.136
EGOI_090626MAEP1043.E2	26-JUN-2009	08:53:29.242
EGOI_090626MAEP1056.E2	26-JUN-2009	10:31:38.845
EGOI_090626MAEP1073.E2	26-JUN-2009	20:09:43.857
EGOI_090626MAEP1092.E2	26-JUN-2009	21:48:50.459
EGOI_090626MIEP2226.E2	26-JUN-2009	01:43:28.134
EGOI_090626MIEP2250.E2	26-JUN-2009	03:18:34.712
EGOI_090626MIEP2276.E2	26-JUN-2009	05:00:30.830
EGOI_090626MIEP2296.E2	26-JUN-2009	15:38:30.202
EGOI_090626MIEP2324.E2	26-JUN-2009	17:19:17.317
EGOI_090626MSEP8153.E2	25-JUN-2009	23:57:31.997
EGOI_090626MSEP8177.E2	26-JUN-2009	10:38:23.884
EGOI_090626MSEP8205.E2	26-JUN-2009	12:16:54.478
EGOI_090626MSEP8226.E2	26-JUN-2009	21:48:30.955
EGOI_090626MSEP8257.E2	26-JUN-2009	23:25:40.542
EGOI_090626SGEP7865.E2	26-JUN-2009	02:22:46.373
EGOI_090626SGEP7873.E2	26-JUN-2009	04:00:34.966
EGOI_090626SGEP7884.E2	26-JUN-2009	14:56:07.448

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### 1.3 - List of data gaps

Station	Orbit	Date	Start Time	Stop Time	Duration (s)
KS	74151	26-JUN-2009	07:02:46.138	07:04:40.582	114.44400
KS	74152	26-JUN-2009	08:42:13.253	08:44:36.690	143.43700
KS	74154	26-JUN-2009	12:01:17.869	12:03:46.899	149.03000
KS	74155	26-JUN-2009	13:40:16.117	13:42:43.003	146.88600
KS	74156	26-JUN-2009	15:18:30.488	15:21:15.101	164.61300
KS	74157	26-JUN-2009	16:56:11.972	16:58:50.191	158.21900
KS	74158	26-JUN-2009	18:34:16.737	18:36:43.289	146.55200
KS	74159	26-JUN-2009	20:13:37.577	20:15:33.392	115.81500
KS	74160	26-JUN-2009	21:54:54.464	21:56:56.501	122.03700
KS	74161	26-JUN-2009	23:38:58.615	23:40:48.136	109.52100
GS	74148	26-JUN-2009	01:42:50.094	01:45:04.145	134.05100
GS	74149	26-JUN-2009	03:21:18.243	03:23:22.744	124.50100

MS	74147	25-JUN-2009	23:55:18.549	23:57:31.997	133.44800
MS	74153	26-JUN-2009	10:35:51.965	10:38:23.883	151.91800
MS	74154	26-JUN-2009	12:14:24.034	12:16:54.477	150.44300
MS	74161	26-JUN-2009	23:23:29.059	23:25:40.542	131.48300
MA	74152	26-JUN-2009	08:51:17.205	08:53:29.241	132.03600
MA	74153	26-JUN-2009	10:29:51.976	10:31:38.844	106.86800
MA	74159	26-JUN-2009	20:06:25.508	20:09:43.857	198.34900
MA	74160	26-JUN-2009	21:47:01.221	21:48:50.459	109.23800
MI	74156	26-JUN-2009	15:36:31.190	15:38:30.201	119.01100
MI	74157	26-JUN-2009	17:17:02.503	17:19:17.317	134.81400
SG	74148	26-JUN-2009	02:20:41.207	02:22:46.373	125.16600
SG	74149	26-JUN-2009	03:58:21.750	04:00:34.965	133.21500
SG	74155	26-JUN-2009	14:53:59.839	14:56:07.447	127.60800

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#### 1.4 - List of missing products

Station	Orbit	Date	Start Time	Stop Time	Duration (s)
MM	74147	26-JUN-2009	01:01:21.567	01:11:50.253	628.68600
KS	74147	26-JUN-2009	00:12:47.623	00:16:50.239	242.61600
BE	74148	26-JUN-2009	02:08:10.114	02:20:23.840	733.72600
MM	74148	26-JUN-2009	02:44:00.276	02:52:14.913	494.63700
BE	74149	26-JUN-2009	03:47:22.061	04:00:00.550	758.48900
MM	74149	26-JUN-2009	04:27:05.369	04:33:14.041	368.67200
CM	74149	26-JUN-2009	03:16:14.247	03:26:58.912	644.66500
CM	74149	26-JUN-2009	04:55:25.937	05:06:06.083	640.14600
MM	74150	26-JUN-2009	06:09:20.181	06:15:27.598	367.41700
MM	74151	26-JUN-2009	07:50:20.132	07:58:32.551	492.41900
JO	74151	26-JUN-2009	07:28:08.444	07:42:04.943	836.49900
MM	74152	26-JUN-2009	09:30:44.853	09:41:11.805	626.95200
JO	74152	26-JUN-2009	09:07:30.631	09:21:11.851	821.22000
MM	74153	26-JUN-2009	11:10:52.990	11:22:50.553	717.56300
KS	74153	26-JUN-2009	10:21:50.824	10:35:50.341	839.51700
MM	74154	26-JUN-2009	12:50:47.692	13:03:25.857	758.16500
MM	74155	26-JUN-2009	14:30:27.642	14:43:10.439	762.79700
BE	74156	26-JUN-2009	15:04:37.740	15:16:44.135	726.39500
MM	74156	26-JUN-2009	16:09:51.274	16:22:25.464	754.19000

GS	74156	26-JUN-2009	15:30:33.223	15:44:16.325	823.10200
SG	74156	26-JUN-2009	16:34:24.468	16:45:00.140	635.67200
CM	74156	26-JUN-2009	15:39:57.083	15:50:48.560	651.47700
MM	74157	26-JUN-2009	17:49:01.663	18:01:33.956	752.29300
GS	74157	26-JUN-2009	17:10:18.413	17:22:39.844	741.43100
CM	74157	26-JUN-2009	17:19:14.229	17:29:47.652	633.42300
MM	74158	26-JUN-2009	19:28:11.889	19:40:52.268	760.37900
JO	74158	26-JUN-2009	19:48:13.191	20:01:30.711	797.52000
MM	74159	26-JUN-2009	21:07:44.024	21:20:26.715	762.69100
JO	74159	26-JUN-2009	21:27:04.189	21:41:17.418	853.22900
MM	74160	26-JUN-2009	22:48:00.729	23:00:16.791	736.06200

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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

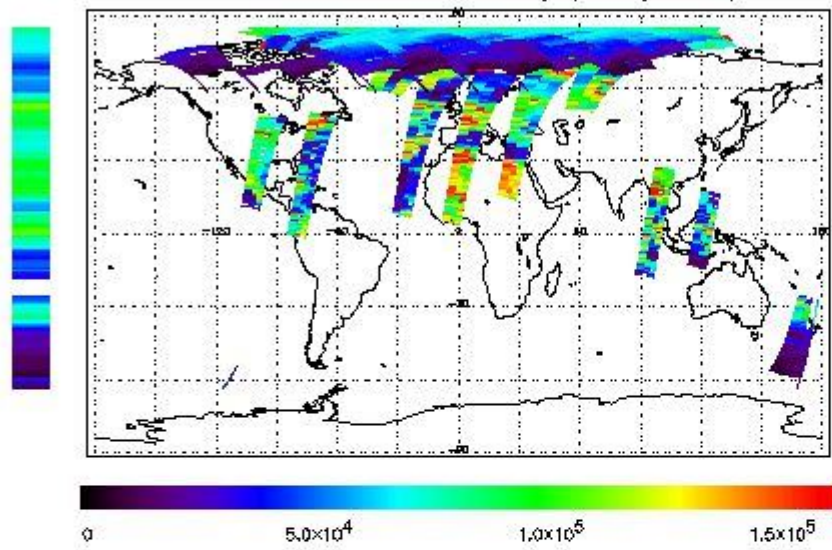
## 2.2 - Daily Plots

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 : 25-JUN-2009 23:57:31.997 : ORBIT : 74147.0181  
 Last Product : 26-JUN-2009 23:49:40.886 : ORBIT : 74181.2543  
 Total Products Processed : 17008 Day : 177 Page : 21

778 nm Uncalibrated Intensity (Binary Units)



### Ozone Line Ratio

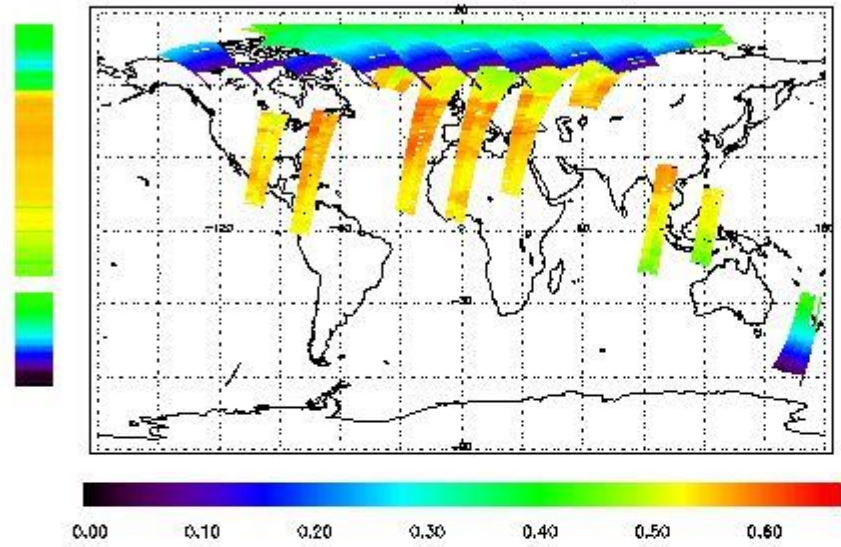
First Product : 25-JUN-2009 23:57:31.997 : ORBIT : 74147.0181

Last Product : 26-JUN-2009 23:49:40.886 : ORBIT : 74181.2543

Total Products Processed : 17008 Day : 177

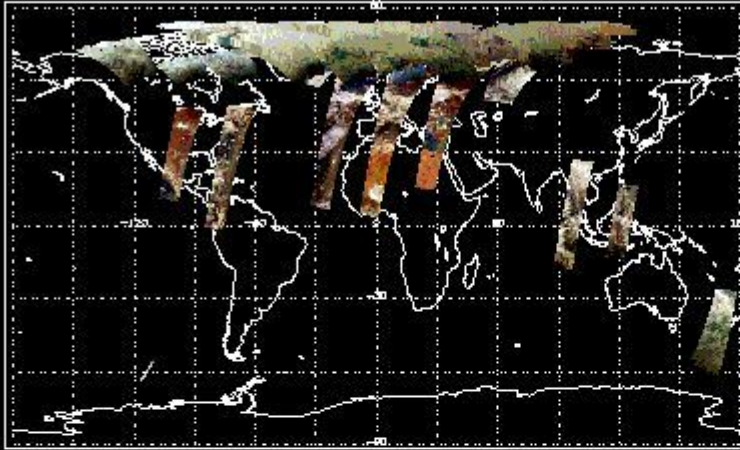
Page : 20

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 (Y/NS/NE)	Warm Detector Temperature (TST/44)	Max PMD Readout during solar calibration (BU set 2/12)
D	16:58:50.190	--	74157	Y	--	14385

#### 3.2 - Lamp Calibration (Quarterly/TST44)

Quarterly(D)/TST44(T)	Start Time	End Time	Orbit	Ground Station Visibility (Y/NS/NE)	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	Orbit End	Ground Station Visibility (Y/NS/NE)
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#### 4.2 - Instrument Off

Start Time	End Time	Start Orbit	Orbit End	MPS Resumption	Ground Station Visibility (Y/NS/NE)
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#### 4.3 - Cooler Switchings

Start Time	End Time	Start Orbit	Orbit End	Ground Station Visibility (Y/NS/NE)	Max Temp. Ch 1	Max Temp. Ch 2	Max Temp. Ch 3	Max Temp. Ch 4
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## 5 - Instrument Operations

### 5.1 - Timeline Interruptions

Start Time	End Time	Start Orbit	Orbit End	Ground Station Visibility (Y/NS/NE)
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### 5.2 - TST44

Start Time	Start Orbit	Ground Station Visibility (Y/NS/NE)
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### 5.3 - Power Cycle

Start Time	End Time	Start Orbit	Orbit End	Ground Station Visibility (Y/NS/NE)
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### 5.4 - Wrong Command Execution

Start Time	End Time	Start Orbit	Orbit End	Ground Station Visibility (Y/NS/NE)
--	--	--	--	--

### 5.5 - Narrow Swath Timeline

Start Time	End Time	Start Orbit	Orbit End
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### 5.6 - Seasonal Operations

Start Time	End Time	Start Orbit	Orbit End
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