

# GOME Daily Report

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## 1 - General Info

### 1.1 - Report Summary

Item	Value
Report Version	GOMEver3_3
Time of Report Generation	10-JUN-2009
Start Time of First Product	00:00:25
Stop Time of Last Product	23:52:29
Total Number of EGOI Products	35
Number of corrupted products	--
Anomalies and/or Special Operations	--

### 1.2 - Products used in this report

Name	Date	Time
EGOI_090610GSEP1926.E2	10-JUN-2009	01:47:16.247
EGOI_090610GSEP1953.E2	10-JUN-2009	03:26:01.845
EGOI_090610GSEP1963.E2	10-JUN-2009	05:08:51.970
EGOI_090610HLEP1229.E2	10-JUN-2009	00:54:44.426
EGOI_090610HLEP1237.E2	10-JUN-2009	11:26:40.772
EGOI_090610HLEP1245.E2	10-JUN-2009	13:04:57.862
EGOI_090610HLEP1253.E2	10-JUN-2009	14:45:08.972
EGOI_090610HLEP1261.E2	10-JUN-2009	22:44:56.886
EGOI_090610KSEP6540.E2	10-JUN-2009	07:07:30.191

EGOI_090610KSEP6562.E2	10-JUN-2009	08:47:26.301
EGOI_090610KSEP6587.E2	10-JUN-2009	10:27:05.903
EGOI_090610KSEP6616.E2	10-JUN-2009	12:06:32.006
EGOI_090610KSEP6632.E2	10-JUN-2009	13:45:31.112
EGOI_090610KSEP6660.E2	10-JUN-2009	15:24:03.207
EGOI_090610KSEP6678.E2	10-JUN-2009	17:01:30.797
EGOI_090610KSEP6711.E2	10-JUN-2009	18:39:28.396
EGOI_090610KSEP6740.E2	10-JUN-2009	20:18:25.995
EGOI_090610KSEP6771.E2	10-JUN-2009	21:59:47.613
EGOI_090610KSEP6790.E2	10-JUN-2009	23:43:42.242
EGOI_090610MAEP0493.E2	10-JUN-2009	08:54:56.348
EGOI_090610MAEP0504.E2	10-JUN-2009	10:34:35.946
EGOI_090610MAEP0521.E2	10-JUN-2009	20:11:42.456
EGOI_090610MIEP0590.E2	10-JUN-2009	01:46:13.239
EGOI_090610MIEP0614.E2	10-JUN-2009	03:21:13.817
EGOI_090610MIEP0637.E2	10-JUN-2009	05:03:35.438
EGOI_090610MMEP5125.E2	10-JUN-2009	02:48:01.614
EGOI_090610MMEP5140.E2	10-JUN-2009	16:14:23.012
EGOI_090610MMEP5148.E2	10-JUN-2009	17:54:29.621
EGOI_090610MMEP5157.E2	10-JUN-2009	22:52:28.429
EGOI_090610MSEP6290.E2	10-JUN-2009	00:00:24.598
EGOI_090610MSEP6313.E2	10-JUN-2009	10:41:10.489
EGOI_090610MSEP6341.E2	10-JUN-2009	12:19:50.088
EGOI_090610MSEP6370.E2	10-JUN-2009	21:51:02.562
EGOI_090610MSEP6397.E2	10-JUN-2009	23:28:37.656
EGOI_090610SGEP7480.E2	10-JUN-2009	14:59:07.558

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### 1.3 - List of data gaps

Station	Orbit	Date	Start Time	Stop Time	Duration (s)
KS	73922	10-JUN-2009	07:05:36.097	07:07:30.190	114.09300
KS	73923	10-JUN-2009	08:45:04.029	08:47:26.300	142.27100
KS	73924	10-JUN-2009	10:24:41.537	10:27:05.902	144.36500
KS	73925	10-JUN-2009	12:04:08.028	12:06:32.005	143.97700
KS	73926	10-JUN-2009	13:43:05.162	13:45:31.112	145.95000
KS	73927	10-JUN-2009	15:21:17.209	15:24:03.206	165.99700
KS	73928	10-JUN-2009	16:58:59.508	17:01:30.797	151.28900
KS	73929	10-JUN-2009	18:37:05.777	18:39:28.396	142.61900
KS	73930	10-JUN-2009	20:16:29.415	20:18:25.995	116.58000
KS	73931	10-JUN-2009	21:57:50.192	21:59:47.613	117.42100
KS	73932	10-JUN-2009	23:42:00.774	23:43:42.242	101.46800
GS	73919	10-JUN-2009	01:45:35.224	01:47:16.246	101.02200

GS	73920	10-JUN-2009	03:24:10.991	03:26:01.844	110.85300
MS	73918	09-JUN-2009	23:58:14.330	00:00:24.598	130.26800
MS	73924	10-JUN-2009	10:38:37.292	10:41:10.488	153.19600
MS	73925	10-JUN-2009	12:17:16.658	12:19:50.087	153.42900
MS	73931	10-JUN-2009	21:49:11.631	21:51:02.562	110.93100
MS	73932	10-JUN-2009	23:26:20.991	23:28:37.655	136.66400
MA	73924	10-JUN-2009	10:32:42.185	10:34:35.945	113.76000
MA	73930	10-JUN-2009	20:09:12.495	20:11:42.456	149.96100
MI	73920	10-JUN-2009	03:19:06.985	03:21:13.817	126.83200
MI	73921	10-JUN-2009	05:01:47.048	05:03:35.438	108.39000
MM	73919	10-JUN-2009	02:46:56.907	02:48:01.613	64.706000
MM	73927	10-JUN-2009	16:12:41.432	16:14:23.011	101.57900
MM	73928	10-JUN-2009	17:51:51.581	17:54:29.620	158.03900
MM	73931	10-JUN-2009	22:50:53.471	22:52:28.429	94.958000
SG	73926	10-JUN-2009	14:56:46.181	14:59:07.558	141.37700

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#### 1.4 - List of missing products

Station	Orbit	Date	Start Time	Stop Time	Duration (s)
MM	73918	10-JUN-2009	01:04:16.751	01:14:42.119	625.36800
KS	73918	10-JUN-2009	00:15:56.863	00:19:32.903	216.04000
BE	73919	10-JUN-2009	02:10:57.737	02:23:19.356	741.61900
SG	73919	10-JUN-2009	02:23:20.995	02:34:05.788	644.79300
BE	73920	10-JUN-2009	03:50:14.233	04:02:46.704	752.47100
MM	73920	10-JUN-2009	04:30:01.742	04:36:08.074	366.33200
SG	73920	10-JUN-2009	04:01:15.267	04:14:24.139	788.87200
CM	73920	10-JUN-2009	03:18:57.505	03:29:54.054	656.54900
CM	73920	10-JUN-2009	04:58:23.555	05:08:49.795	626.24000
MM	73921	10-JUN-2009	06:12:14.185	06:18:23.995	369.81000
MM	73922	10-JUN-2009	07:53:12.605	08:01:29.162	496.55700
JO	73922	10-JUN-2009	07:30:53.766	07:44:57.937	844.17100
MM	73923	10-JUN-2009	09:33:36.708	09:44:06.961	630.25300
JO	73923	10-JUN-2009	09:10:26.652	09:23:57.943	811.29100
MM	73924	10-JUN-2009	11:13:44.456	11:25:43.836	719.38000
MM	73925	10-JUN-2009	12:53:38.761	13:06:17.462	758.70100
MM	73926	10-JUN-2009	14:33:18.261	14:46:00.879	762.61800

GS	73926	10-JUN-2009	13:56:17.563	14:03:15.775	418.21200
BE	73927	10-JUN-2009	15:07:33.916	15:19:31.354	717.43800
MI	73927	10-JUN-2009	15:39:19.715	15:52:30.617	790.90200
GS	73927	10-JUN-2009	15:33:22.883	15:47:08.692	825.80900
SG	73927	10-JUN-2009	16:37:24.527	16:47:39.547	615.02000
CM	73927	10-JUN-2009	15:42:41.745	15:53:45.108	663.36300
MI	73928	10-JUN-2009	17:20:00.267	17:29:32.532	572.26500
GS	73928	10-JUN-2009	17:13:10.799	17:25:24.600	733.80100
CM	73928	10-JUN-2009	17:22:10.174	17:32:29.888	619.71400
MM	73929	10-JUN-2009	19:31:02.103	19:43:42.734	760.63100
JO	73929	10-JUN-2009	19:50:58.879	20:04:27.260	808.38100
MM	73930	10-JUN-2009	21:10:35.215	21:23:17.653	762.43800
JO	73930	10-JUN-2009	21:29:56.934	21:44:03.154	846.22000
MA	73931	10-JUN-2009	21:49:57.481	22:01:35.402	697.92100

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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

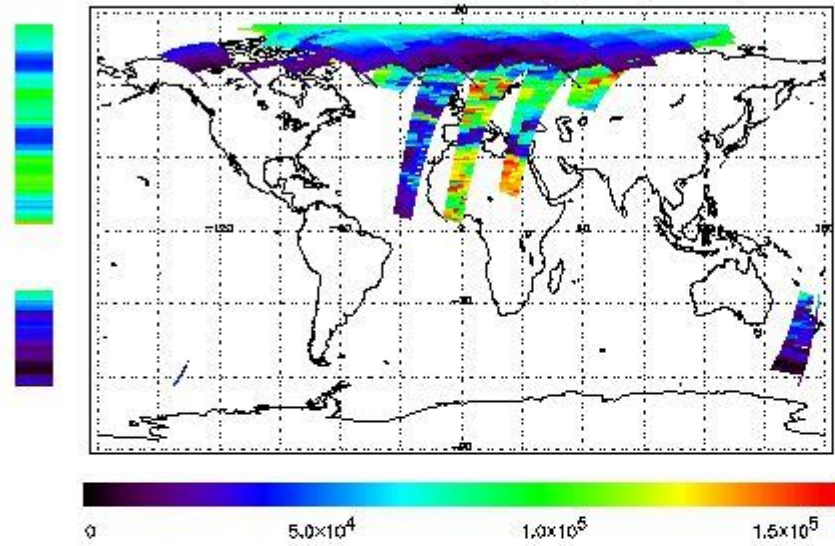
## 2.2 - Daily Plots

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 : 10-JUN-2009 00:00:24.598 : ORBIT : 73918.0181  
 Last Product : 10-JUN-2009 23:52:28.800 : ORBIT : 73932.2536  
 Total Products Processed : 17344 Day : 161 Page : 21

778 nm Uncalibrated Intensity (Binary Units)



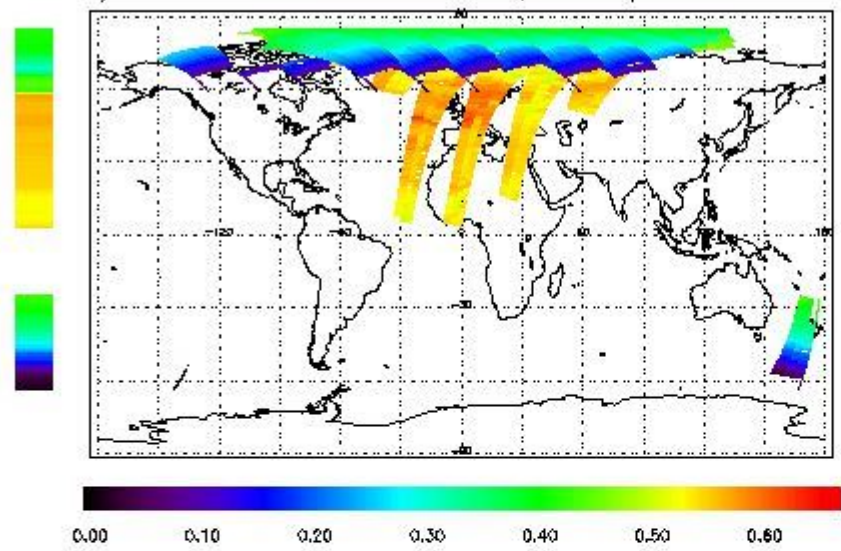
First Product : 10-JUN-2009 00:00:24.598 : ORBIT : 73918.0181

Last Product : 10-JUN-2009 23:52:28.800 : ORBIT : 73932.2536

Total Products Processed : 17344 Day : 161

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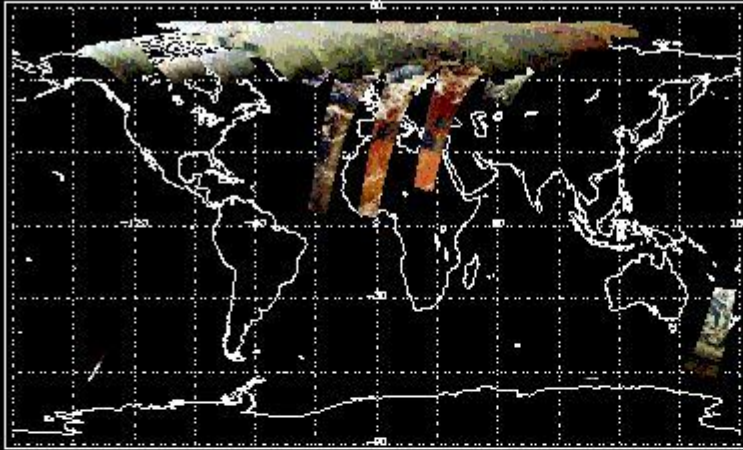
331/313 nm Uncalibrated Line Ratio, SZA Dependence Removed



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	18:41:56.900	--	73929	--	--	14360

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

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

### 5.2 - TST44

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

### 5.3 - Power Cycle

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

### 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
--	--	--	--

### 5.6 - Seasonal Operations

Start Time	End Time	Start Orbit	Orbit End
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