

# GOME Daily Report

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## 1 - General Info

### 1.1 - Report Summary

Item	Value
Report Version	GOMEver3_3
Time of Report Generation	14-JUN-2009
Start Time of First Product	23:49:34 (13-JUN)
Stop Time of Last Product	23:13:36
Number of EGOI Products analysed	31
Number of corrupted products	--
Anomalies and/or Special Operations	GOME OOL (as from ESOC) from ca 19:50 until 15-JUN-2009 ca 00:45

### 1.2 - List of received products

Name	Date	Time
EGOI_090614GSEP2216.E2	14-JUN-2009	01:22:52.571
EGOI_090614GSEP2244.E2	14-JUN-2009	03:00:12.661
EGOI_090614GSEP2269.E2	14-JUN-2009	04:42:34.282
EGOI_090614GSEP2275.E2	14-JUN-2009	06:24:27.399
EGOI_090614KSEP7605.E2	13-JUN-2009	23:49:34.004
EGOI_090614KSEP7621.E2	14-JUN-2009	06:41:54.505
EGOI_090614KSEP7644.E2	14-JUN-2009	08:21:49.117
EGOI_090614KSEP7667.E2	14-JUN-2009	10:01:28.723
EGOI_090614KSEP7692.E2	14-JUN-2009	11:41:05.322

EGOI_090614KSEP7713.E2	14-JUN-2009	13:20:05.928
EGOI_090614KSEP7725.E2	14-JUN-2009	14:58:48.523
EGOI_090614KSEP7744.E2	14-JUN-2009	16:36:25.113
EGOI_090614KSEP7775.E2	14-JUN-2009	18:14:22.707
EGOI_090614KSEP7810.E2	14-JUN-2009	19:52:50.536
EGOI_090614KSEP7834.E2	14-JUN-2009	21:33:35.521
EGOI_090614KSEP7862.E2	14-JUN-2009	23:16:36.174
EGOI_090614MAEP0657.E2	14-JUN-2009	08:30:38.671
EGOI_090614MAEP0669.E2	14-JUN-2009	10:08:54.266
EGOI_090614MAEP0686.E2	14-JUN-2009	21:25:48.966
EGOI_090614MIEP0970.E2	14-JUN-2009	02:55:38.134
EGOI_090614MIEP0998.E2	14-JUN-2009	04:36:19.243
EGOI_090614MIEP1025.E2	14-JUN-2009	15:16:20.132
EGOI_090614MIEP1054.E2	14-JUN-2009	16:55:31.231
EGOI_090614MSEP6748.E2	14-JUN-2009	10:16:28.813
EGOI_090614MSEP6778.E2	14-JUN-2009	11:53:59.400
EGOI_090614MSEP6798.E2	14-JUN-2009	13:35:58.518
EGOI_090614MSEP6815.E2	14-JUN-2009	21:27:18.978
EGOI_090614MSEP6847.E2	14-JUN-2009	23:02:45.084
EGOI_090614SGEP7523.E2	14-JUN-2009	02:02:25.809
EGOI_090614SGEP7531.E2	14-JUN-2009	03:37:51.891
EGOI_090614SGEP7538.E2	14-JUN-2009	14:35:06.378

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### 1.3 - List of data gaps

Station	Orbit	Date	Start Time	Stop Time	Duration (s)
KS	73979	14-JUN-2009	06:40:08.953	06:41:54.504	105.55100
KS	73980	14-JUN-2009	08:19:27.320	08:21:49.116	141.79600
KS	73981	14-JUN-2009	09:59:04.847	10:01:28.723	143.87600
KS	73982	14-JUN-2009	11:38:35.796	11:41:05.321	149.52500
KS	73983	14-JUN-2009	13:17:42.386	13:20:05.928	143.54200
KS	73984	14-JUN-2009	14:56:18.662	14:58:48.523	149.86100
KS	73985	14-JUN-2009	16:33:55.999	16:36:25.112	149.11300
KS	73986	14-JUN-2009	18:11:46.608	18:14:22.706	156.09800
KS	73987	14-JUN-2009	19:50:46.200	19:52:50.535	124.33500
KS	73988	14-JUN-2009	21:31:33.207	21:33:35.521	122.31400
KS	73989	14-JUN-2009	23:14:51.148	23:16:36.173	105.02500
GS	73976	14-JUN-2009	01:20:57.676	01:22:52.570	114.89400
GS	73977	14-JUN-2009	02:58:24.573	03:00:12.660	108.08700
GS	73978	14-JUN-2009	04:40:49.139	04:42:34.281	105.14200
MS	73981	14-JUN-2009	10:14:00.794	10:16:28.813	148.01900

MS	73982	14-JUN-2009	11:51:27.498	11:53:59.399	151.90100
MS	73989	14-JUN-2009	23:00:44.419	23:02:45.083	120.66400
MA	73980	14-JUN-2009	08:28:21.457	08:30:38.670	137.21300
MA	73981	14-JUN-2009	10:07:08.310	10:08:54.265	105.95500
MA	73988	14-JUN-2009	21:23:11.241	21:25:48.965	157.72400
MI	73977	14-JUN-2009	02:53:58.185	02:55:38.133	99.948000
MI	73978	14-JUN-2009	04:34:18.596	04:36:19.242	120.64600
MI	73984	14-JUN-2009	15:14:12.350	15:16:20.132	127.78200
MI	73985	14-JUN-2009	16:53:36.220	16:55:31.230	115.01000
SG	73977	14-JUN-2009	03:35:25.382	03:37:51.890	146.50800
SG	73983	14-JUN-2009	14:32:04.159	14:35:06.378	182.21900

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#### 1.4 - List of missing products

Station	Orbit	Date	Start Time	Stop Time	Duration (s)
HO	73975	14-JUN-2009	00:26:14.532	00:40:52.434	877.90200
MM	73975	14-JUN-2009	00:38:01.975	00:48:55.772	653.79700
BE	73976	14-JUN-2009	01:45:58.002	01:56:45.762	647.76000
MM	73976	14-JUN-2009	02:20:28.257	02:29:15.851	527.59400
BE	73977	14-JUN-2009	03:24:28.805	03:37:42.074	793.26900
MM	73977	14-JUN-2009	04:03:32.957	04:10:04.035	391.07800
CM	73977	14-JUN-2009	02:54:50.710	03:03:19.575	508.86500
CM	73977	14-JUN-2009	04:32:03.569	04:44:00.161	716.59200
MM	73978	14-JUN-2009	05:46:05.676	05:51:58.276	352.60000
MM	73979	14-JUN-2009	07:27:19.336	07:34:58.861	459.52500
JO	73979	14-JUN-2009	07:06:18.729	07:18:53.027	754.29800
MM	73980	14-JUN-2009	09:07:49.540	09:17:48.735	599.19500
JO	73980	14-JUN-2009	08:44:15.556	08:58:53.511	877.95500
MM	73981	14-JUN-2009	10:48:00.880	10:59:42.365	701.48500
MM	73982	14-JUN-2009	12:27:58.706	12:40:31.470	752.76400
MA	73982	14-JUN-2009	11:48:56.295	11:54:34.570	338.27500
HO	73983	14-JUN-2009	14:16:36.881	14:29:24.321	767.44000
MM	73983	14-JUN-2009	14:07:42.202	14:20:25.993	763.79100
BE	73984	14-JUN-2009	14:41:20.450	14:54:19.235	778.78500
MM	73984	14-JUN-2009	15:47:09.570	15:59:45.678	756.10800
GS	73984	14-JUN-2009	15:07:59.744	15:21:08.560	788.81600

SG	73984	14-JUN-2009	16:10:46.513	16:23:21.052	754.53900
CM	73984	14-JUN-2009	15:18:21.653	15:26:52.077	510.42400
MM	73985	14-JUN-2009	17:26:22.235	17:38:53.856	751.62100
GS	73985	14-JUN-2009	16:47:22.315	17:00:33.616	791.30100
CM	73985	14-JUN-2009	16:56:00.555	17:07:51.867	711.31200
MM	73986	14-JUN-2009	19:05:30.784	19:18:09.029	758.24500
JO	73986	14-JUN-2009	19:26:22.091	19:37:40.450	678.35900
MM	73987	14-JUN-2009	20:44:55.779	20:57:39.673	763.89400
MA	73987	14-JUN-2009	19:44:18.176	19:56:44.563	746.38700
JO	73987	14-JUN-2009	21:04:08.736	21:19:00.571	891.83500
HO	73988	14-JUN-2009	22:18:01.539	22:29:37.366	695.82700
MM	73988	14-JUN-2009	22:25:00.575	22:37:26.374	745.79900
JO	73988	14-JUN-2009	22:46:48.376	22:53:00.619	372.24300
HO	73989	23:55:08.668	-	[sec]	

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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	out of range (261.8 deg)
Polarization Detectors	OK
FPA Temperatures A	out of range
FPA Temperatures B	out of range
Charge Amp Temperatures	OK
Other Temperatures A	OK
DDHU Temperatures	OK
Optical Bench Temperatures	OK

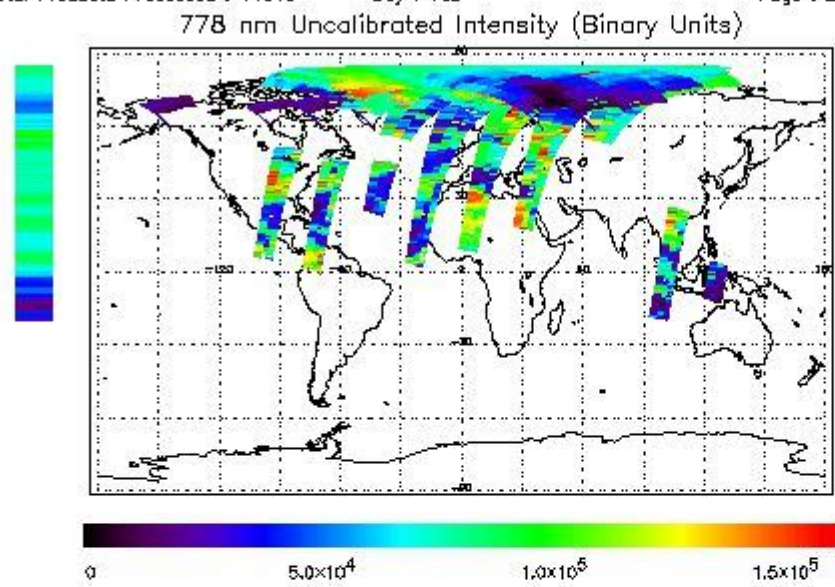
Other Temperatures B	OK
Calibration Lamp and Instr. Status 3	OK
Scan Mirror and Motor Current	out of range (motor current ca 64244)
Selected Temperature A	Ok
Selected Temperature B	OK
Selected Temperature C	OK
Channel 1 Summation	OK
Channel 2 Summation	OK
Channel 4 Summation	OK
Log Pages	OK
331/338 nm 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 : 13-JUN-2009 23:49:34.004 : ORBIT : 73975.1675  
 Last Product : 14-JUN-2009 23:26:58.736 : ORBIT : 73989.2572  
 Total Products Processed : 14649 Day : 165 Page : 21



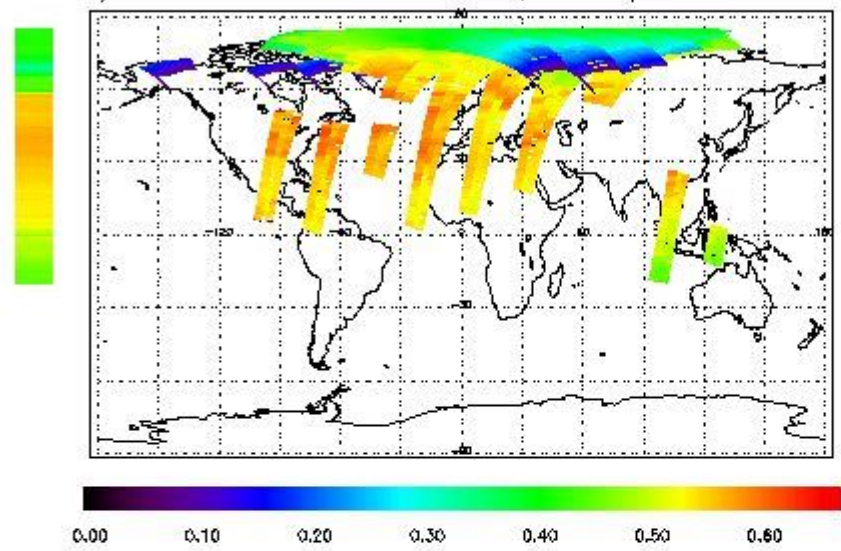
First Product : 13-JUN-2009 23:49:34.004 : ORBIT : 73975.1675

Last Product : 14-JUN-2009 23:26:58.736 : ORBIT : 73989.2572

Total Products Processed : 14649 Day : 165

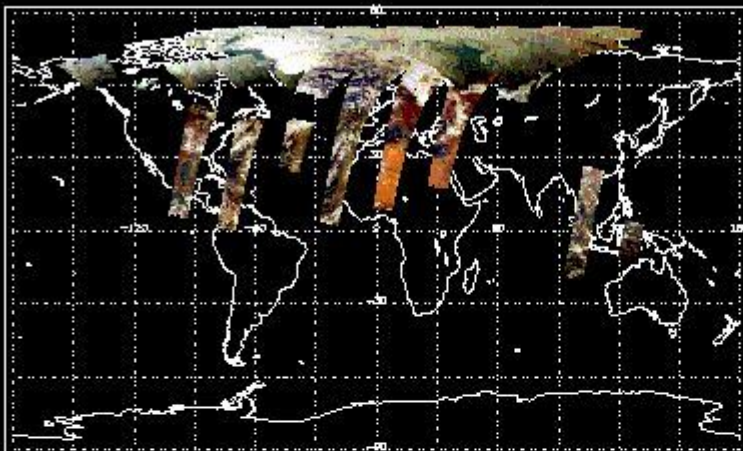
Page : 20

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)
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#### 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)
ca 19:50	ca 00:45 (15-JUN)	73987	73990	NS

#### 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)
--	--	--

#### 5.3 - Power Cycle

Start Time	End Time	Start Orbit	Orbit End	Ground Station Visibility (Y/NS/NE)
21:01:53,00:23:05 (15-JUN)	--	73988, 73990	--	--

#### 5.4 - Wrong Command Execution

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