

# GOME Daily Report

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## 1 - General Info

### 1.1 - Report Summary

Item	Value
Report Version	GOMEver3_3
Report of Day	07-AUG-2009
Start Time of First Product	23:52:45 (06-AUG-2009)
Stop Time of Last Product	23:29:59
Number of EGOI Products analysed	40
Number of corrupted products	--
Anomalies and/or Special Operations	Nominal Data

### 1.2 - List of received products

Name	Date	Time
EGOI_090807GSEP6120.E2	07-AUG-2009	01:26:07.690
EGOI_090807GSEP6145.E2	07-AUG-2009	03:03:17.280
EGOI_090807GSEP6171.E2	07-AUG-2009	04:45:43.401
EGOI_090807GSEP6178.E2	07-AUG-2009	06:27:39.518
EGOI_090807HLEP2802.E2	07-AUG-2009	00:33:56.874
EGOI_090807HLEP2810.E2	07-AUG-2009	02:20:08.018
EGOI_090807HLEP2820.E2	07-AUG-2009	22:27:15.343
EGOI_090807KSEP2006.E2	06-AUG-2009	23:52:44.631
EGOI_090807KSEP2018.E2	07-AUG-2009	06:44:51.624

EGOI_090807KSEP2035.E2	07-AUG-2009	08:24:49.237
EGOI_090807KSEP2042.E2	07-AUG-2009	10:04:30.336
EGOI_090807KSEP2049.E2	07-AUG-2009	11:44:03.942
EGOI_090807KSEP2063.E2	07-AUG-2009	13:23:04.545
EGOI_090807KSEP2074.E2	07-AUG-2009	15:01:47.147
EGOI_090807KSEP2092.E2	07-AUG-2009	16:39:22.234
EGOI_090807KSEP2123.E2	07-AUG-2009	18:17:24.329
EGOI_090807KSEP2150.E2	07-AUG-2009	19:55:50.425
EGOI_090807KSEP2178.E2	07-AUG-2009	21:36:46.534
EGOI_090807KSEP2196.E2	07-AUG-2009	23:19:38.164
EGOI_090807MAEP2440.E2	07-AUG-2009	08:33:29.788
EGOI_090807MAEP2445.E2	07-AUG-2009	10:11:57.383
EGOI_090807MAEP2456.E2	07-AUG-2009	19:50:41.393
EGOI_090807MAEP2477.E2	07-AUG-2009	21:28:49.491
EGOI_090807MIEP5928.E2	07-AUG-2009	02:59:08.256
EGOI_090807MIEP5954.E2	07-AUG-2009	04:39:40.366
EGOI_090807MIEP5979.E2	07-AUG-2009	15:19:54.749
EGOI_090807MIEP6008.E2	07-AUG-2009	16:59:05.855
EGOI_090807MMEP6868.E2	07-AUG-2009	02:24:42.545
EGOI_090807MMEP6873.E2	07-AUG-2009	04:07:25.167
EGOI_090807MMEP6880.E2	07-AUG-2009	09:12:09.020
EGOI_090807MMEP6885.E2	07-AUG-2009	10:52:29.129
EGOI_090807MMEP6891.E2	07-AUG-2009	12:32:25.236
EGOI_090807MMEP6897.E2	07-AUG-2009	14:12:15.343
EGOI_090807MMEP6906.E2	07-AUG-2009	19:10:45.651
EGOI_090807MMEP6913.E2	07-AUG-2009	20:49:43.253
EGOI_090807MSEP2974.E2	07-AUG-2009	10:19:24.426
EGOI_090807MSEP2982.E2	07-AUG-2009	11:56:58.020
EGOI_090807MSEP2997.E2	07-AUG-2009	13:39:12.139
EGOI_090807MSEP3014.E2	07-AUG-2009	21:30:01.499
EGOI_090807MSEP3046.E2	07-AUG-2009	23:05:54.574

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### 1.3 - List of data gaps

Station	Orbit	Date	Start Time	Stop Time	Duration (s)
KS	74748	06-AUG-2009	23:51:09.328	23:52:44.631	95.303000
KS	74752	07-AUG-2009	06:42:58.310	06:44:51.623	113.31300
KS	74753	07-AUG-2009	08:22:18.029	08:24:49.236	151.20700
KS	74754	07-AUG-2009	10:01:55.618	10:04:30.336	154.71800
KS	74755	07-AUG-2009	11:41:26.128	11:44:03.941	157.81300
KS	74756	07-AUG-2009	13:20:31.732	13:23:04.545	152.81300
KS	74757	07-AUG-2009	14:59:05.990	15:01:47.147	161.15700
KS	74758	07-AUG-2009	16:36:42.909	16:39:22.233	159.32400

KS	74759	07-AUG-2009	18:14:35.173	18:17:24.328	169.15500
KS	74760	07-AUG-2009	19:53:37.307	19:55:50.425	133.11800
KS	74761	07-AUG-2009	21:34:27.932	21:36:46.534	138.60200
KS	74762	07-AUG-2009	23:17:51.244	23:19:38.163	106.91900
GS	74749	07-AUG-2009	01:23:40.850	01:26:07.690	146.84000
GS	74750	07-AUG-2009	03:01:15.498	03:03:17.280	121.78200
GS	74751	07-AUG-2009	04:43:51.987	04:45:43.400	111.41300
MS	74754	07-AUG-2009	10:16:43.661	10:19:24.426	160.76500
MS	74755	07-AUG-2009	11:54:16.989	11:56:58.019	161.03000
MS	74762	07-AUG-2009	23:03:33.966	23:05:54.574	140.60800
MA	74753	07-AUG-2009	08:31:07.012	08:33:29.788	142.77600
MA	74754	07-AUG-2009	10:09:59.664	10:11:57.383	117.71900
MA	74760	07-AUG-2009	19:47:03.237	19:50:41.393	218.15600
MA	74761	07-AUG-2009	21:26:04.638	21:28:49.491	164.85300
MI	74750	07-AUG-2009	02:56:44.514	02:59:08.256	143.74200
MI	74751	07-AUG-2009	04:37:18.099	04:39:40.365	142.26600
MI	74757	07-AUG-2009	15:16:58.691	15:19:54.749	176.05800
MI	74758	07-AUG-2009	16:56:30.760	16:59:05.854	155.09400
MM	74749	07-AUG-2009	02:23:24.649	02:24:42.544	77.895000
MM	74753	07-AUG-2009	09:10:41.502	09:12:09.020	87.518000
MM	74754	07-AUG-2009	10:50:52.431	10:52:29.129	96.698000
MM	74755	07-AUG-2009	12:30:49.871	12:32:25.235	95.364000
MM	74756	07-AUG-2009	14:10:32.929	14:12:15.343	102.41400
MM	74759	07-AUG-2009	19:08:20.870	19:10:45.651	144.78100
MM	74760	07-AUG-2009	20:47:46.690	20:49:43.253	116.56300

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#### 1.4 - List of missing products

Station	Orbit	Date	Start Time	Stop Time	Duration (s)
MM	74748	07-AUG-2009	00:40:56.739	00:51:47.540	650.80100
BE	74749	07-AUG-2009	01:48:43.491	01:59:44.549	661.05800
SG	74749	07-AUG-2009	02:02:34.379	02:09:37.883	423.50400
BE	74750	07-AUG-2009	03:27:20.075	03:40:30.263	790.18800
SG	74750	07-AUG-2009	03:38:16.338	03:52:04.931	828.59300
CM	74750	07-AUG-2009	02:57:28.449	03:06:19.252	530.80300
CM	74750	07-AUG-2009	04:34:57.281	04:46:47.249	709.96800

MM	74751	07-AUG-2009	05:49:00.241	05:54:54.242	354.00100
MM	74752	07-AUG-2009	07:30:12.042	07:37:55.636	463.59400
JO	74752	07-AUG-2009	07:09:01.082	07:21:47.885	766.80300
JO	74753	07-AUG-2009	08:47:08.767	09:01:41.637	872.87000
MA	74755	07-AUG-2009	11:51:59.579	11:57:05.330	305.75100
HO	74756	07-AUG-2009	14:19:29.909	14:32:10.028	760.11900
SG	74756	07-AUG-2009	14:34:46.958	14:46:48.147	721.18900
BE	74757	07-AUG-2009	14:44:14.021	14:57:07.959	773.93800
MM	74757	07-AUG-2009	15:49:59.826	16:02:35.678	755.85200
GS	74757	07-AUG-2009	15:10:48.521	15:24:02.931	794.41000
SG	74757	07-AUG-2009	16:13:41.971	16:26:05.331	743.36000
CM	74757	07-AUG-2009	15:21:00.820	15:29:54.609	533.78900
MM	74758	07-AUG-2009	17:29:12.175	17:41:43.843	751.66800
GS	74758	07-AUG-2009	16:50:14.055	17:03:20.168	786.11300
CM	74758	07-AUG-2009	16:58:53.588	17:10:37.887	704.29900
JO	74759	07-AUG-2009	19:29:04.271	19:40:41.282	697.01100
JO	74760	07-AUG-2009	21:07:00.062	21:21:48.701	888.63900
MM	74761	07-AUG-2009	22:27:52.923	22:40:17.637	744.71400
HO	74762	07-AUG-2009	23:57:58.437	00:12:29.487	871.05000

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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

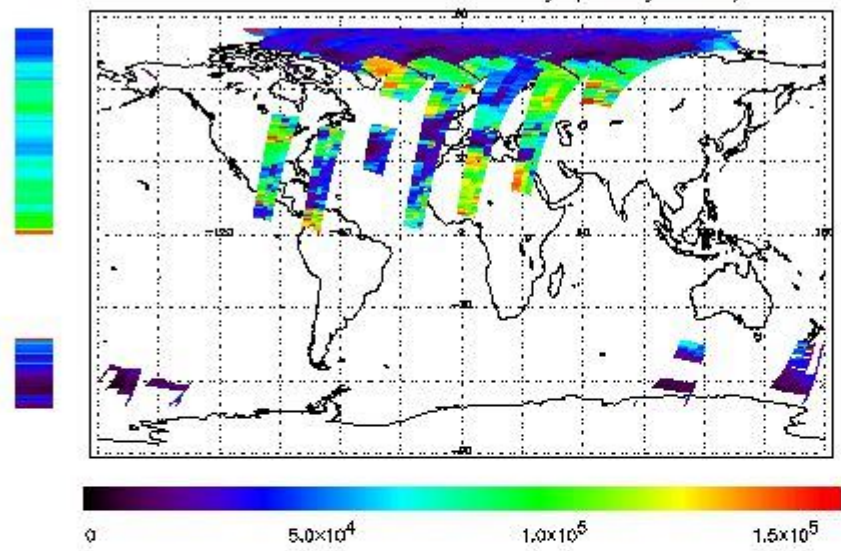
(1)

## 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

778 nm Uncalibrated Intensity (Binary Units)



Ozone Line Ratio

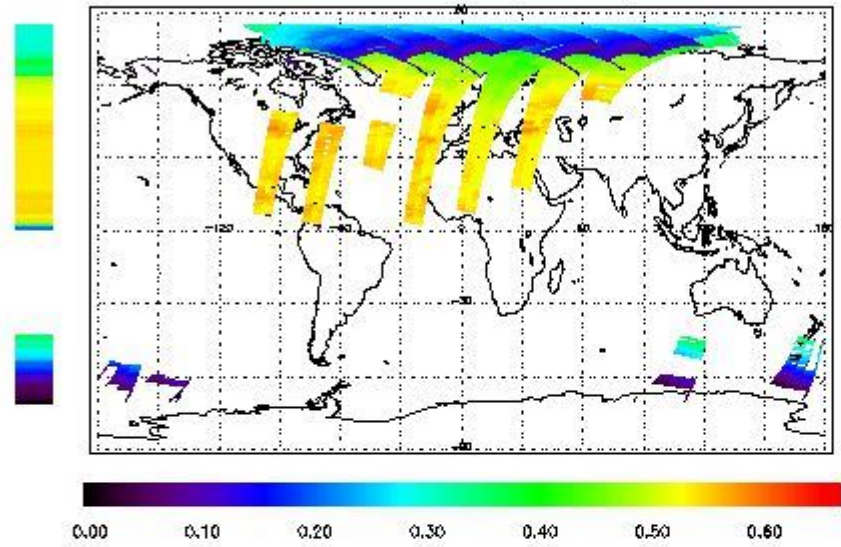
First Product : 06-AUG-2008 23:52:44.631 : ORBIT : 74748.1705

Last Product : 07-AUG-2008 23:29:59.222 : ORBIT : 74762.2585

Total Products Processed : 18328 Day : 219

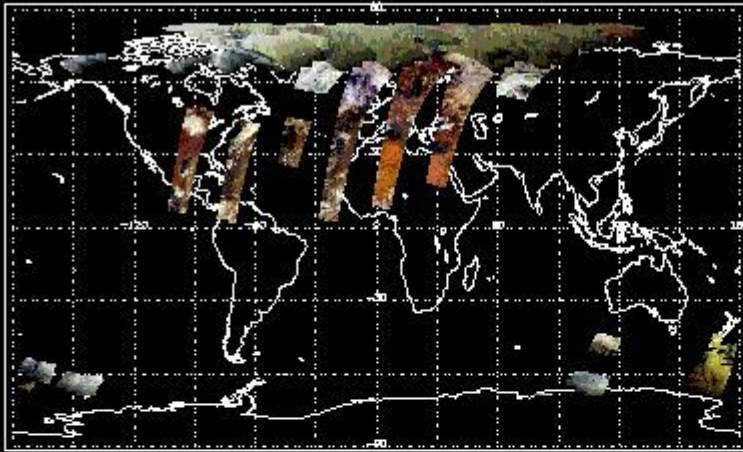
Page : 20

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	18:21:00.350	--	74759	Y	--	14806

(2)(3)

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

Quarterly(Q)/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)
--	--	--	--	--	--	--	--

(2)(3)

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### 4 - Instrument Anomalies



#### 4.1 - Single Event Upset (SEU)

Start Time	End Time	Start Orbit	End Orbit	Ground Station Visibility (Y/NS/NE)
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(2)

#### 4.2 - Instrument Off

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

(2)

#### 4.3 - Cooler Switchings

Start Time	End Time	Start Orbit	End Orbit	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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(2)

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### 5 - Instrument Operations

#### 5.1 - Timeline Interruptions

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

(2)

#### 5.2 - TST44

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

(2)

#### 5.3 - Power Cycle

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

(2)

#### 5.4 - Wrong Command Execution

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

(2)

#### 5.5 - Narrow Swath Timeline

Start Time	End Time	Start Orbit	End Orbit
--	--	--	--

#### 5.6 - Seasonal Operations

Start Time	End Time	Start Orbit	End Orbit
--	--	--	--

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Legend:

(1) The Instrument Indicators field has the values: OK or NOK (Not OK)

(2) The Ground Station Visibility field has the values: Y (in case of visibility); NS (No Start); NE (No End). This occurs since the failure of the on-board recorder (2003)

(3) 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