

# GOME Daily Report

## INDEX

1. General Info
  - 1.1 Report Summary
  - 1.2 List of received products
  - 1.3 List of data gaps
  - 1.4 List of missing products
  - 1.5 List of corrupted products
2. Instrument Indicators and Daily Plots
  - 2.1 Instrument Indicators Status
  - 2.2 Daily Plots
3. Instrument Calibration
  - 3.1 Solar Calibration (daily/TST44)
  - 3.2 Lamp Calibration (quarterly/TST44)
4. Instrument Anomalies
  - 4.1 Single Event Upset (SEU)
  - 4.2 Instrument Off
  - 4.3 Cooler Switchings
5. Instrument Operations
  - 5.1 Timeline Interruptions
  - 5.2 TST44
  - 5.3 Power Cycle
  - 5.4 Wrong Command Execution
  - 5.5 Narrow Swath Timeline
  - 5.6 Seasonal Operations

## 1 - General Info

### 1.1 - Report Summary

Item	Value
Report Version	GOMEver3_3
Report of Day	03-OCT-2009
Start Time of First Product	00:18:18
Stop Time of Last Product	23:38:31
Number of EGOI Products analysed	34
Number of corrupted products	--
Anomalies and/or Special Operations	Nominal Data

### 1.2 - List of received products

Name	Date	Time
EGOI_091003BEEP0801.E2	03-OCT-2009	01:59:46.978
EGOI_091003BEEP0809.E2	03-OCT-2009	03:38:37.085
EGOI_091003GSEP9897.E2	03-OCT-2009	01:34:07.825
EGOI_091003GSEP9925.E2	03-OCT-2009	03:11:50.420
EGOI_091003GSEP9935.E2	03-OCT-2009	04:54:52.551
EGOI_091003KSEP6814.E2	03-OCT-2009	06:53:26.271
EGOI_091003KSEP6836.E2	03-OCT-2009	08:33:23.886
EGOI_091003KSEP6861.E2	03-OCT-2009	10:13:03.491
EGOI_091003KSEP6884.E2	03-OCT-2009	11:52:37.102

EGOI_091003KSEP6901.E2	03-OCT-2009	13:31:33.205
EGOI_091003KSEP6929.E2	03-OCT-2009	15:10:15.808
EGOI_091003KSEP6950.E2	03-OCT-2009	16:47:44.904
EGOI_091003KSEP6983.E2	03-OCT-2009	18:25:39.503
EGOI_091003KSEP7017.E2	03-OCT-2009	20:04:23.608
EGOI_091003KSEP7049.E2	03-OCT-2009	21:45:22.730
EGOI_091003KSEP7074.E2	03-OCT-2009	23:30:06.865
EGOI_091003MAEP4496.E2	03-OCT-2009	08:41:19.429
EGOI_091003MAEP4507.E2	03-OCT-2009	10:20:30.534
EGOI_091003MAEP4528.E2	03-OCT-2009	19:58:02.568
EGOI_091003MIEP0452.E2	03-OCT-2009	03:07:35.393
EGOI_091003MIEP0477.E2	03-OCT-2009	04:48:43.512
EGOI_091003MIEP0488.E2	03-OCT-2009	15:27:44.414
EGOI_091003MMEP8984.E2	03-OCT-2009	17:40:28.729
EGOI_091003MMEP8990.E2	03-OCT-2009	20:58:16.440
EGOI_091003MMEP8998.E2	03-OCT-2009	22:38:24.547
EGOI_091003MSEP9199.E2	02-OCT-2009	23:46:02.667
EGOI_091003MSEP9219.E2	03-OCT-2009	10:27:36.579
EGOI_091003MSEP9248.E2	03-OCT-2009	12:05:40.178
EGOI_091003MSEP9258.E2	03-OCT-2009	13:48:25.808
EGOI_091003MSEP9280.E2	03-OCT-2009	21:38:00.179
EGOI_091003MSEP9313.E2	03-OCT-2009	23:14:35.271
EGOI_091003SGEP0104.E2	03-OCT-2009	02:18:48.595
EGOI_091003SGEP0112.E2	03-OCT-2009	14:47:27.668
EGOI_091003SGEP0120.E2	03-OCT-2009	16:25:22.267

[ [BACK TO MENU](#) ]

### 1.3 - List of data gaps

Station	Orbit	Date	Start Time	Stop Time	Duration (s)
KS	75568	03-OCT-2009	06:51:26.928	06:53:26.271	119.34300
KS	75569	03-OCT-2009	08:30:50.216	08:33:23.886	153.67000
KS	75570	03-OCT-2009	10:10:27.892	10:13:03.491	155.59900
KS	75571	03-OCT-2009	11:49:57.005	11:52:37.101	160.09600
KS	75572	03-OCT-2009	13:28:59.552	13:31:33.205	153.65300
KS	75573	03-OCT-2009	15:07:26.938	15:10:15.807	168.86900
KS	75574	03-OCT-2009	16:45:03.689	16:47:44.903	161.21400
KS	75575	03-OCT-2009	18:23:01.201	18:25:39.502	158.30100
KS	75576	03-OCT-2009	20:02:11.160	20:04:23.608	132.44800
KS	75577	03-OCT-2009	21:43:12.838	21:45:22.729	129.89100
KS	75578	03-OCT-2009	23:26:52.885	23:30:06.865	193.98000
GS	75565	03-OCT-2009	01:31:51.917	01:34:07.825	135.90800

GS	75566	03-OCT-2009	03:09:49.597	03:11:50.419	120.82200
MS	75570	03-OCT-2009	10:24:53.840	10:27:36.579	162.73900
MS	75571	03-OCT-2009	12:02:55.691	12:05:40.178	164.48700
MS	75578	03-OCT-2009	23:12:04.367	23:14:35.271	150.90400
MA	75569	03-OCT-2009	08:39:42.577	08:41:19.429	96.852000
MA	75570	03-OCT-2009	10:18:32.228	10:20:30.533	118.30500
MA	75576	03-OCT-2009	19:55:19.906	19:58:02.568	162.66200
MI	75566	03-OCT-2009	03:05:05.523	03:07:35.392	149.86900
MI	75567	03-OCT-2009	04:46:21.033	04:48:43.512	142.47900
MI	75573	03-OCT-2009	15:25:19.555	15:27:44.414	144.85900
MM	75574	03-OCT-2009	17:37:41.971	17:40:28.729	166.75800
MM	75576	03-OCT-2009	20:56:19.623	20:58:16.440	116.81700
MM	75577	03-OCT-2009	22:36:30.258	22:38:24.546	114.28800
BE	75565	03-OCT-2009	01:57:01.877	01:59:46.978	165.10100
BE	75566	03-OCT-2009	03:35:54.539	03:38:37.085	162.54600
SG	75565	03-OCT-2009	02:10:11.598	02:18:48.595	516.99700
SG	75572	03-OCT-2009	14:42:58.399	14:47:27.667	269.26800
SG	75573	03-OCT-2009	16:22:31.133	16:25:22.267	171.13400

[ [BACK TO MENU](#) ]

#### 1.4 - List of missing products

Station	Orbit	Date	Start Time	Stop Time	Duration (s)
HO	75564	03-OCT-2009	00:37:54.298	00:52:11.172	856.87400
MM	75564	03-OCT-2009	00:49:41.350	01:00:22.914	641.56400
KS	75564	03-OCT-2009	00:00:21.744	00:05:49.728	327.98400
MM	75565	03-OCT-2009	02:32:14.023	02:40:45.198	511.17500
MM	75566	03-OCT-2009	04:15:19.450	04:21:38.554	379.10400
SG	75566	03-OCT-2009	03:46:51.040	04:00:29.687	818.64700
CM	75566	03-OCT-2009	03:05:26.843	03:15:13.887	587.04400
CM	75566	03-OCT-2009	04:43:40.977	04:55:06.366	685.38900
MM	75567	03-OCT-2009	05:57:43.494	06:03:42.496	359.00200
MM	75568	03-OCT-2009	07:38:49.969	07:46:45.864	475.89500
JO	75568	03-OCT-2009	07:17:10.583	07:30:30.875	800.29200
MM	75569	03-OCT-2009	09:19:17.304	09:29:30.672	613.36800
JO	75569	03-OCT-2009	08:55:50.337	09:10:04.659	854.32200
MM	75570	03-OCT-2009	10:59:27.021	11:11:16.887	709.86600

MM	75571	03-OCT-2009	12:39:23.295	12:51:59.014	755.71900
HO	75572	03-OCT-2009	14:28:08.984	14:40:10.300	721.31600
MM	75572	03-OCT-2009	14:19:05.029	14:31:48.429	763.40000
BE	75573	03-OCT-2009	14:52:56.538	15:05:33.145	756.60700
MM	75573	03-OCT-2009	15:58:30.521	16:11:05.628	755.10700
GS	75573	03-OCT-2009	15:19:15.589	15:32:44.461	808.87200
CM	75573	03-OCT-2009	15:29:03.735	15:38:56.438	592.70300
MI	75574	03-OCT-2009	17:05:16.312	17:16:11.522	655.21000
GS	75574	03-OCT-2009	16:58:49.727	17:11:38.513	768.78600
CM	75574	03-OCT-2009	17:07:34.581	17:18:53.431	678.85000
MM	75575	03-OCT-2009	19:16:51.211	19:29:30.541	759.33000
JO	75575	03-OCT-2009	19:37:14.049	19:49:39.948	745.89900
JO	75576	03-OCT-2009	21:15:35.059	21:30:11.365	876.30600
HO	75577	03-OCT-2009	22:28:52.386	22:41:06.921	734.53500
MA	75577	03-OCT-200	21:34:46.500	21:47:38.588	772.08800

[ [BACK TO MENU](#) ]

## 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	South Polar View operations
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

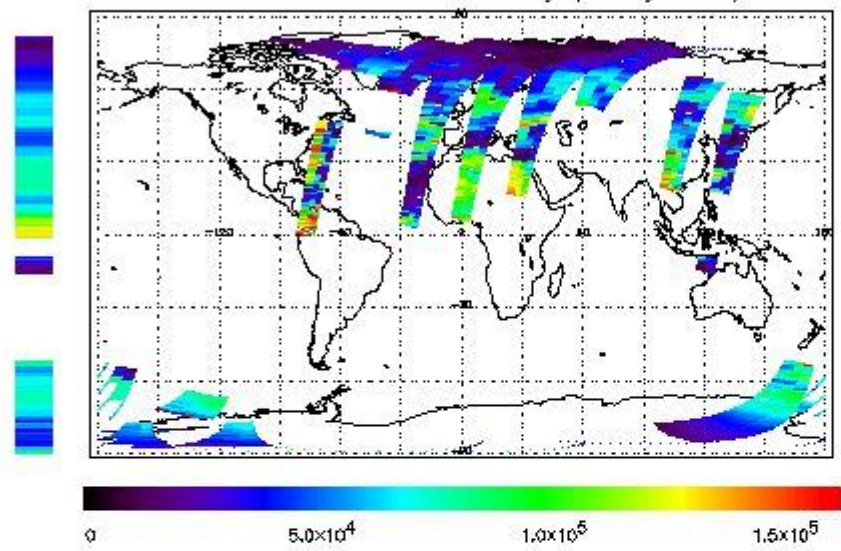
(1)

## 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

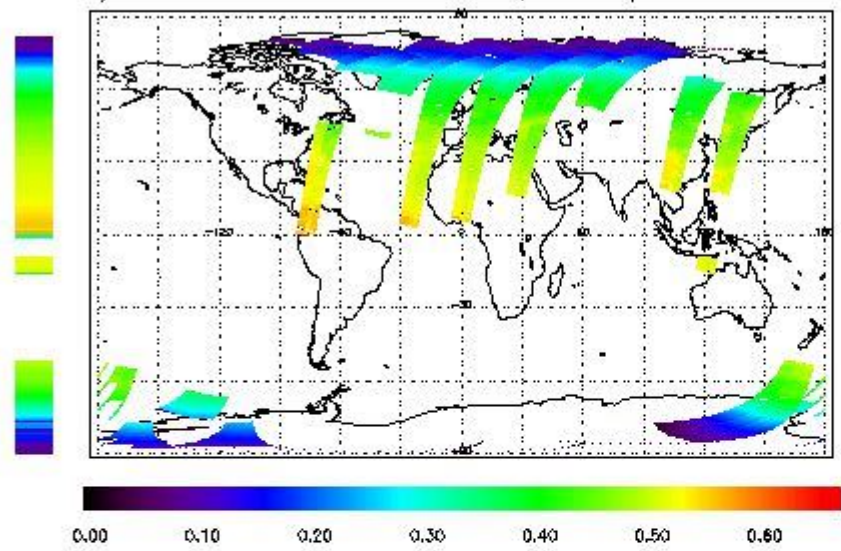
First Product : 02-OCT-2009 23:46:02.667 : ORBIT : 75564.0182

Last Product : 03-OCT-2009 23:38:30.919 : ORBIT : 75578.2576

Total Products Processed : 15593 Day : 276

Page : 20

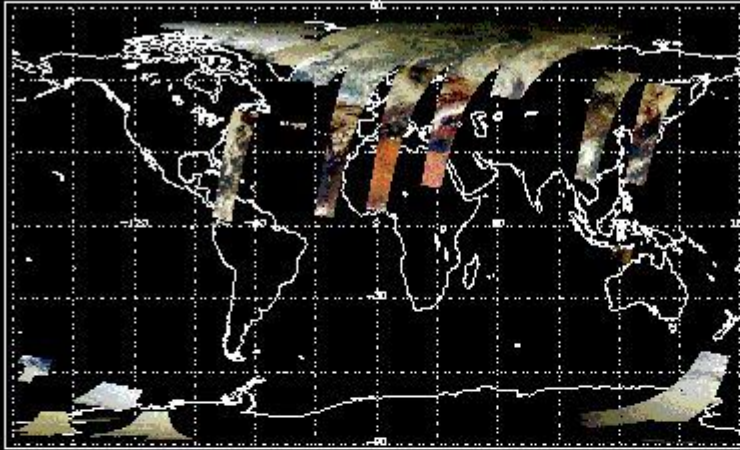
331/313 nm Uncalibrated Line Ratio, SZA Dependence Removed



PMD Image (Earthshine Radiance)

First Product : 02-OCT-2009 23:46:02.667 : ORBIT : 75564.0182  
 Last Product : 03-OCT-2009 23:38:30.919 : ORBIT : 75578.2576  
 Total Products Processed : 15583 Day : 276 Page : 20

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	15:14:39.830	--	75573	Y	--	15223

(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)
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(2)(3)

[ BACK TO MENU ]

### 4 - Instrument Anomalies

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



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

(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)

[ [BACK TO MENU](#) ]

### 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
--	--	--	--

01:00 05-Sep	--	75164	--
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[ [BACK TO MENU](#) ]

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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