

# GOME Daily Report

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## 1 - General Info

### 1.1 - Report Summary

Item	Value
Report Version	GOMEver3_3
Report of Day	11-OCT-2009
Start Time of First Product	00:36:05
Stop Time of Last Product	22:47:22
Number of EGOI Products analysed	25
Number of corrupted products	1
Anomalies and/or Special Operations	Nominal Data

### 1.2 - List of received products

Name	Date	Time
EGOI_091011KSEP8957.E2	11-OCT-2009	07:41:46.632
EGOI_091011KSEP8980.E2	11-OCT-2009	09:21:48.743
EGOI_091011KSEP9007.E2	11-OCT-2009	11:01:26.849
EGOI_091011KSEP9032.E2	11-OCT-2009	12:40:42.460
EGOI_091011KSEP9049.E2	11-OCT-2009	14:19:38.559
EGOI_091011KSEP9062.E2	11-OCT-2009	15:57:25.663
EGOI_091011KSEP9092.E2	11-OCT-2009	17:35:23.262
EGOI_091011KSEP9128.E2	11-OCT-2009	19:13:10.361
EGOI_091011KSEP9163.E2	11-OCT-2009	20:53:03.468

EGOI_091011KSEP9192.E2	11-OCT-2009	22:35:43.096
EGOI_091011MAEP4758.E2	11-OCT-2009	09:29:38.290
EGOI_091011MAEP4767.E2	11-OCT-2009	11:09:02.896
EGOI_091011MIEP1126.E2	11-OCT-2009	02:18:20.657
EGOI_091011MIEP1146.E2	11-OCT-2009	03:56:28.756
EGOI_091011MIEP1166.E2	11-OCT-2009	14:38:35.681
EGOI_091011MIEP1193.E2	11-OCT-2009	16:15:48.273
EGOI_091011MIEP1209.E2	11-OCT-2009	17:59:17.403
EGOI_091011MSEP0171.E2	11-OCT-2009	00:36:05.038
EGOI_091011MSEP0192.E2	11-OCT-2009	11:14:32.927
EGOI_091011MSEP0217.E2	11-OCT-2009	12:54:36.543
EGOI_091011MSEP0250.E2	11-OCT-2009	22:23:50.525
EGOI_091011SGEP0343.E2	11-OCT-2009	03:10:26.978
EGOI_091011SGEP0351.E2	11-OCT-2009	04:46:26.058
EGOI_091011SGEP0359.E2	11-OCT-2009	13:57:27.926
EGOI_091011SGEP0366.E2	11-OCT-2009	15:33:33.014

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### 1.3 - List of data gaps

Station	Orbit	Date	Start Time	Stop Time	Duration (s)
KS	75683	11-OCT-2009	07:39:39.029	07:41:46.632	127.60300
KS	75684	11-OCT-2009	09:19:13.654	09:21:48.743	155.08900
KS	75685	11-OCT-2009	10:58:49.286	11:01:26.849	157.56300
KS	75686	11-OCT-2009	12:38:07.943	12:40:42.459	154.51600
KS	75687	11-OCT-2009	14:16:58.792	14:19:38.559	159.76700
KS	75688	11-OCT-2009	15:54:48.259	15:57:25.662	157.40300
KS	75689	11-OCT-2009	17:32:42.984	17:35:23.261	160.27700
KS	75690	11-OCT-2009	19:10:59.560	19:13:10.360	130.80000
KS	75691	11-OCT-2009	20:50:59.151	20:53:03.467	124.31600
KS	75692	11-OCT-2009	22:33:09.667	22:35:43.096	153.42900
MS	75679	11-OCT-2009	00:34:04.809	00:36:05.037	120.22800
MS	75685	11-OCT-2009	11:11:53.485	11:14:32.927	159.44200
MS	75686	11-OCT-2009	12:51:59.855	12:54:36.543	156.68800
MS	75692	11-OCT-2009	22:21:42.515	22:23:50.524	128.00900
MA	75684	11-OCT-2009	09:27:21.835	09:29:38.289	136.45400
MA	75685	11-OCT-2009	11:07:53.206	11:09:02.896	69.690000
MI	75680	11-OCT-2009	02:15:51.660	02:18:20.657	148.99700
MI	75681	11-OCT-2009	03:53:18.516	03:56:28.755	190.23900
MI	75687	11-OCT-2009	14:36:13.806	14:38:35.680	141.87400
MI	75688	11-OCT-2009	16:13:18.836	16:15:48.272	149.43600

SG	75681	11-OCT-2009	04:36:30.701	04:46:26.057	595.35600
SG	75687	11-OCT-2009	15:30:28.626	15:33:33.013	184.38700

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#### 1.4 - List of missing products

Station	Orbit	Date	Start Time	Stop Time	Duration (s)
HO	75678	10-OCT-2009	23:46:41.146	00:01:06.907	865.76100
MM	75678	10-OCT-2009	23:57:20.931	00:08:52.221	691.29000
HO	75679	11-OCT-2009	01:27:36.481	01:39:37.587	721.10600
MM	75679	11-OCT-2009	01:39:22.865	01:49:05.588	582.72300
GS	75679	11-OCT-2009	00:43:25.572	00:51:35.802	490.23000
BE	75680	11-OCT-2009	02:44:42.659	02:58:01.416	798.75700
MM	75680	11-OCT-2009	03:22:17.927	03:29:39.568	441.64100
GS	75680	11-OCT-2009	02:19:53.494	02:32:29.096	755.60200
CM	75680	11-OCT-2009	03:52:10.771	04:04:29.722	738.95100
BE	75681	11-OCT-2009	04:24:50.997	04:35:38.348	647.35100
MM	75681	11-OCT-2009	05:05:13.935	05:11:01.991	348.05600
GS	75681	11-OCT-2009	03:59:04.242	04:11:33.796	749.55400
MM	75682	11-OCT-2009	06:46:57.542	06:53:43.504	405.96200
KS	75682	11-OCT-2009	06:00:56.056	06:06:04.012	307.95600
CM	75682	11-OCT-2009	05:35:14.635	05:40:19.319	304.68400
JO	75682	11-OCT-2009	06:29:27.686	06:37:19.848	472.16200
MM	75683	11-OCT-2009	08:27:40.462	08:36:46.099	545.63700
JO	75683	11-OCT-2009	08:04:21.441	08:19:19.692	898.25100
MM	75684	11-OCT-2009	10:07:58.036	10:19:04.735	666.69900
JO	75684	11-OCT-2009	09:46:18.585	09:56:38.897	620.31200
HO	75685	11-OCT-2009	11:57:24.817	12:10:38.135	793.31800
MM	75685	11-OCT-2009	11:48:01.190	12:00:19.207	738.01700
HO	75686	11-OCT-2009	13:36:22.913	13:50:57.620	874.70700
MM	75686	11-OCT-2009	13:27:50.649	13:40:33.619	762.97000
BE	75687	11-OCT-2009	14:01:18.840	14:14:42.896	804.05600
HO	75687	11-OCT-2009	15:17:38.210	15:25:29.829	471.61900
MM	75687	11-OCT-2009	15:07:24.620	15:20:04.481	759.86100
GS	75687	11-OCT-2009	14:28:54.355	14:39:54.513	660.15800
BE	75688	11-OCT-2009	15:43:23.802	15:52:33.438	549.63600
MM	75688	11-OCT-2009	16:46:42.497	16:59:14.564	752.06700

GS	75688	11-OCT-2009	16:07:25.544	16:21:19.626	834.08200
CM	75688	11-OCT-2009	16:16:07.372	16:28:28.679	741.30700
MM	75689	11-OCT-2009	18:25:50.729	18:38:25.367	754.63800
GS	75689	11-OCT-2009	17:47:47.676	17:58:01.922	614.24600
CM	75689	11-OCT-2009	17:58:21.428	18:03:46.809	325.38100
MM	75690	11-OCT-2009	20:05:06.263	20:17:49.395	763.13200
MA	75690	11-OCT-2009	19:08:33.313	19:15:54.621	441.30800
JO	75690	11-OCT-2009	20:24:28.114	20:39:17.289	889.17500
MM	75691	11-OCT-2009	21:44:52.554	21:57:29.905	757.35100
MA	75691	11-OCT-2009	20:42:54.084	20:56:36.206	822.12200
JO	75691	11-OCT-2009	22:04:47.371	22:16:43.866	716.49500
HO	75692	11-OCT-2009	23:15:43.073	23:29:47.269	844.19600
MM	75692	11-OCT-2009	23:25:30.399	23:37:25.222	714.82300
MA	75692	11-OCT-2009	22:26:36.303	22:34:29.668	473.36500
HO	75678	10-OCT-2009	23:46:41.146	00:01:06.907	865.76100
MM	75678	10-OCT-2009	23:57:20.931	00:08:52.221	691.29000
HO	75679	11-OCT-2009	01:27:36.481	01:39:37.587	721.10600
MM	75679	11-OCT-2009	01:39:22.865	01:49:05.588	582.72300
GS	75679	11-OCT-2009	00:43:25.572	00:51:35.802	490.23000
BE	75680	11-OCT-2009	02:44:42.659	02:58:01.416	798.75700
MM	75680	11-OCT-2009	03:22:17.927	03:29:39.568	441.64100
GS	75680	11-OCT-2009	02:19:53.494	02:32:29.096	755.60200
CM	75680	11-OCT-2009	03:52:10.771	04:04:29.722	738.95100
BE	75681	11-OCT-2009	04:24:50.997	04:35:38.348	647.35100
MM	75681	11-OCT-2009	05:05:13.935	05:11:01.991	348.05600
GS	75681	11-OCT-2009	03:59:04.242	04:11:33.796	749.55400
MM	75682	11-OCT-2009	06:46:57.542	06:53:43.504	405.96200
KS	75682	11-OCT-2009	06:00:56.056	06:06:04.012	307.95600
CM	75682	11-OCT-2009	05:35:14.635	05:40:19.319	304.68400
JO	75682	11-OCT-2009	06:29:27.686	06:37:19.848	472.16200
MM	75683	11-OCT-2009	08:27:40.462	08:36:46.099	545.63700
JO	75683	11-OCT-2009	08:04:21.441	08:19:19.692	898.25100
MM	75684	11-OCT-2009	10:07:58.036	10:19:04.735	666.69900
JO	75684	11-OCT-2009	09:46:18.585	09:56:38.897	620.31200
HO	75685	11-OCT-2009	11:57:24.817	12:10:38.135	793.31800
MM	75685	11-OCT-2009	11:48:01.190	12:00:19.207	738.01700

HO	75686	11-OCT-2009	13:36:22.913	13:50:57.620	874.70700
MM	75686	11-OCT-2009	13:27:50.649	13:40:33.619	762.97000
BE	75687	11-OCT-2009	14:01:18.840	14:14:42.896	804.05600
HO	75687	11-OCT-2009	15:17:38.210	15:25:29.829	471.61900
MM	75687	11-OCT-2009	15:07:24.620	15:20:04.481	759.86100
GS	75687	11-OCT-2009	14:28:54.355	14:39:54.513	660.15800
BE	75688	11-OCT-2009	15:43:23.802	15:52:33.438	549.63600
MM	75688	11-OCT-2009	16:46:42.497	16:59:14.564	752.06700
GS	75688	11-OCT-2009	16:07:25.544	16:21:19.626	834.08200
CM	75688	11-OCT-2009	16:16:07.372	16:28:28.679	741.30700
MM	75689	11-OCT-2009	18:25:50.729	18:38:25.367	754.63800
GS	75689	11-OCT-2009	17:47:47.676	17:58:01.922	614.24600
CM	75689	11-OCT-2009	17:58:21.428	18:03:46.809	325.38100
MM	75690	11-OCT-2009	20:05:06.263	20:17:49.395	763.13200
MA	75690	11-OCT-2009	19:08:33.313	19:15:54.621	441.30800
JO	75690	11-OCT-2009	20:24:28.114	20:39:17.289	889.17500
MM	75691	11-OCT-2009	21:44:52.554	21:57:29.905	757.35100
MA	75691	11-OCT-2009	20:42:54.084	20:56:36.206	822.12200
JO	75691	11-OCT-2009	22:04:47.371	22:16:43.866	716.49500
HO	75692	11-OCT-2009	23:15:43.073	23:29:47.269	844.19600
MM	75692	11-OCT-2009	23:25:30.399	23:37:25.222	714.82300
MA	75692	11-OCT-2009	22:26:36.303	22:34:29.668	473.36500

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## 1.5 - List of corrupted products

Station	Orbit	Time
MS	75671	11:52:37.870

## 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

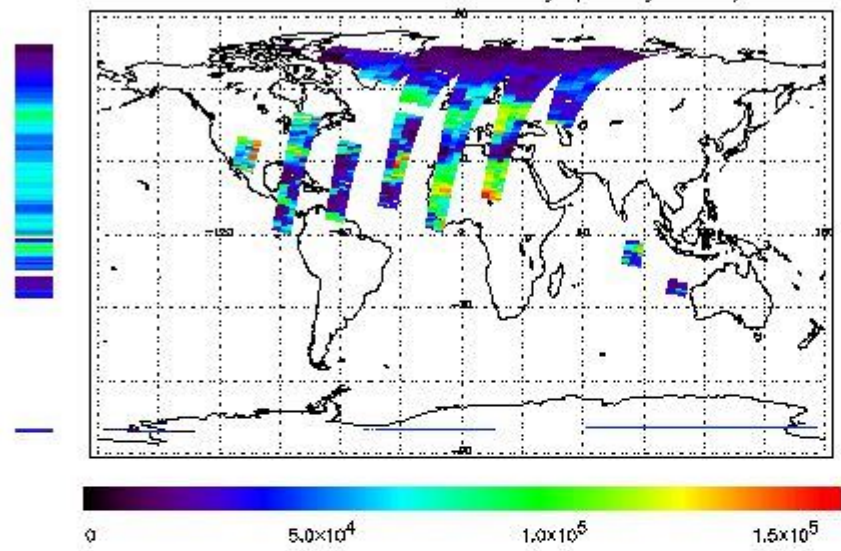
Co-Adding and Cluster Mode Flags	OK
Integration Times Band 2A	OK
Integration Times Band 2B	OK
Integration Times Band 3	OK
Integration Times Band 4	OK
Scan Mirror position	South Polar View operations
Polarization Detectors	OK
FPA Temperatures A	OK
FPA Temperaturas B	OK
Charge Amp Temperatures	OK
Other 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

## 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

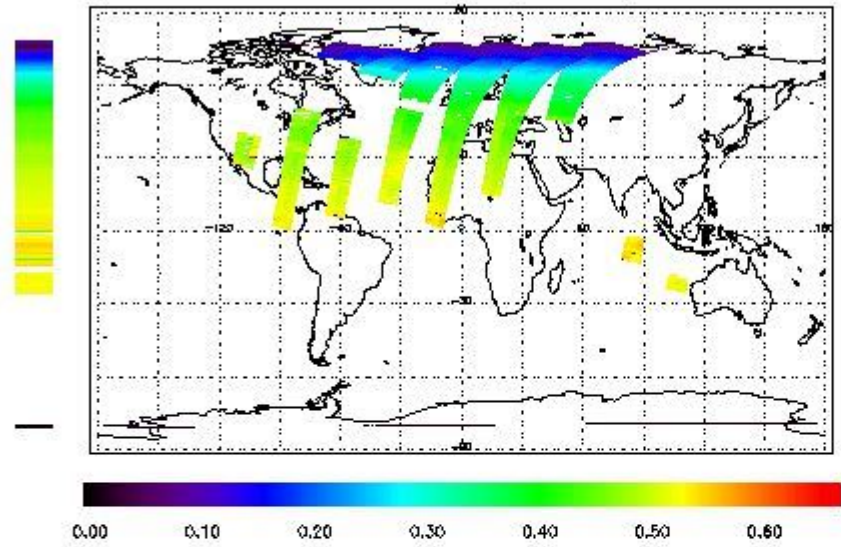
First Product : 11-OCT-2009 00:36:05.038 : ORBIT : 75679.0299

Last Product : 11-OCT-2009 22:47:22.170 : ORBIT : 75692.2635

Total Products Processed : 11122 Day : 284

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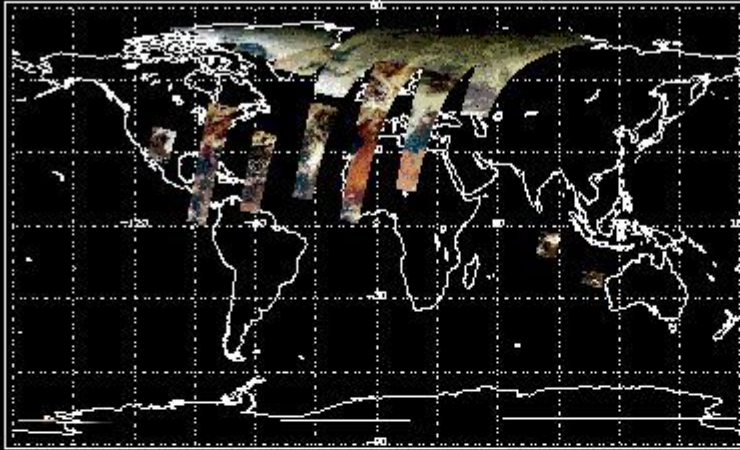
331/313 nm Uncalibrated Line Ratio, SZA Dependence Removed



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	Warm Detector Temperature (TST/44)	Max PMD Readout during solar calibration (BU set 2/12)
D	14:23:52.080	--	75687	Yes	--	15298

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

Quarterly(Q)/TST44(T)	Start Time	End Time	Orbit	Ground Station Visibility	Warm Detector Temperature (TST/44)	Lamp Instability Voltage (if any) (V)	Lamp Failure N. (if any)
--	--	--	--	--	--	--	--

(1)

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### 4 - Instrument Anomalies

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

Start Time	End Time	Start Orbit	End Orbit	Ground Station Visibility
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#### 4.2 - Instrument Off

Start Time	End Time	Start Orbit	End Orbit	MPS Resumption	Ground Station Visibility
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#### 4.3 - Cooler Switchings

Start Time	End Time	Start Orbit	End Orbit	Ground Station Visibility	Max Temp. Ch 1	Max Temp. Ch 2	Max Temp. Ch 3	Max Temp. Ch 4
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### 5 - Instrument Operations

[Additional Info](#)

#### 5.1 - Timeline Interruptions

Start Time	End Time	Start Orbit	End Orbit	Ground Station Visibility
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#### 5.2 - TST44

Start Time	Start Orbit	Ground Station Visibility
--	--	--

#### 5.3 - Power Cycle

Start Time	End Time	Start Orbit	End Orbit	Ground Station Visibility
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#### 5.4 - Wrong Command Execution

Start Time	End Time	Start Orbit	End Orbit	Ground Station Visibility
--	--	--	--	--

#### 5.5 - Narrow Swath Timeline

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

Start Time	End Time	Start Orbit	End Orbit
01:00 05-Sep	--	75164	--

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(1) The 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