

# GOME Daily Report

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## 1 - General Info

### 1.1 - Report Summary

Item	Value
Report Version	GOMEver3_3
Report of Day	26-SEP-2010
Start Time of First Product	00:35:39.599
Stop Time of Last Product	22:47:02.755
Number of EGOI Products analysed	31
Number of corrupted products	--
Anomalies and/or Special Operations	Nominal Data

### 1.2 - List of received products

Name	Date	Time
EGOI_100926GSEP5817.E2	26-SEP-2010	02:20:31.241
EGOI_100926GSEP5841.E2	26-SEP-2010	04:00:52.860
EGOI_100926GSEP5849.E2	26-SEP-2010	05:43:20.486
EGOI_100926KSEP8503.E2	26-SEP-2010	07:41:27.207
EGOI_100926KSEP8523.E2	26-SEP-2010	09:21:29.320
EGOI_100926KSEP8544.E2	26-SEP-2010	11:01:07.426
EGOI_100926KSEP8568.E2	26-SEP-2010	12:40:24.537
EGOI_100926KSEP8595.E2	26-SEP-2010	14:19:19.144
EGOI_100926KSEP8623.E2	26-SEP-2010	15:57:07.739

EGOI_100926KSEP8652.E2	26-SEP-2010	17:35:03.842
EGOI_100926KSEP8684.E2	26-SEP-2010	19:12:50.944
EGOI_100926KSEP8715.E2	26-SEP-2010	20:52:44.059
EGOI_100926KSEP8743.E2	26-SEP-2010	22:34:50.681
EGOI_100926MAEP7539.E2	26-SEP-2010	09:29:14.365
EGOI_100926MAEP7546.E2	26-SEP-2010	11:08:47.973
EGOI_100926MAEP7563.E2	26-SEP-2010	22:27:04.134
EGOI_100926MIEP1730.E2	26-SEP-2010	02:17:55.225
EGOI_100926MIEP1751.E2	26-SEP-2010	03:56:07.828
EGOI_100926MIEP1769.E2	26-SEP-2010	14:38:13.257
EGOI_100926MIEP1788.E2	26-SEP-2010	16:15:27.353
EGOI_100926MIEP1797.E2	26-SEP-2010	17:58:53.483
EGOI_100926MMEP5584.E2	26-SEP-2010	08:28:52.996
EGOI_100926MMEP5597.E2	26-SEP-2010	20:06:57.273
EGOI_100926MSEP0863.E2	26-SEP-2010	00:35:39.599
EGOI_100926MSEP0886.E2	26-SEP-2010	11:14:13.506
EGOI_100926MSEP0911.E2	26-SEP-2010	12:54:11.125
EGOI_100926MSEP0940.E2	26-SEP-2010	22:23:37.111
EGOI_100926SGEP8389.E2	26-SEP-2010	03:00:44.987
EGOI_100926SGEP8395.E2	26-SEP-2010	04:39:09.591
EGOI_100926SGEP8400.E2	26-SEP-2010	13:57:07.007
EGOI_100926SGEP8405.E2	26-SEP-2010	15:44:39.169

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### 1.3 - List of data gaps

Station	Orbit	Date	Start Time	Stop Time	Duration (s)
KS	80693	26-SEP-2010	07:39:39.030	07:41:27.207	108.17700
KS	80694	26-SEP-2010	09:19:13.655	09:21:29.320	135.66500
KS	80695	26-SEP-2010	10:58:49.287	11:01:07.425	138.13800
KS	80696	26-SEP-2010	12:38:07.945	12:40:24.537	136.59200
KS	80697	26-SEP-2010	14:16:58.794	14:19:19.143	140.34900
KS	80698	26-SEP-2010	15:54:48.261	15:57:07.738	139.47700
KS	80699	26-SEP-2010	17:32:42.985	17:35:03.841	140.85600
KS	80700	26-SEP-2010	19:10:59.561	19:12:50.944	111.38300
KS	80701	26-SEP-2010	20:50:59.152	20:52:44.058	104.90600
KS	80702	26-SEP-2010	22:33:09.668	22:34:50.681	101.01300
GS	80691	26-SEP-2010	03:59:04.244	04:00:52.859	108.61500
MS	80689	26-SEP-2010	00:34:04.811	00:35:39.598	94.787000
MS	80695	26-SEP-2010	11:11:53.486	11:14:13.505	140.01900
MS	80696	26-SEP-2010	12:51:59.857	12:54:11.124	131.26700
MS	80702	26-SEP-2010	22:21:42.516	22:23:37.111	114.59500

MA	80694	26-SEP-2010	09:27:21.836	09:29:14.364	112.52800
MI	80690	26-SEP-2010	02:15:51.662	02:17:55.225	123.56300
MI	80691	26-SEP-2010	03:53:18.518	03:56:07.828	169.31000
MI	80697	26-SEP-2010	14:36:13.808	14:38:13.257	119.44900
MI	80698	26-SEP-2010	16:13:18.838	16:15:27.353	128.51500
MM	80693	26-SEP-2010	08:27:40.463	08:28:52.996	72.533000
MM	80700	26-SEP-2010	20:05:06.264	20:06:57.272	111.00800
SG	80690	26-SEP-2010	02:56:04.402	03:00:44.987	280.58500
SG	80690	26-SEP-2010	03:07:43.529	03:09:18.752	95.223000
SG	80691	26-SEP-2010	04:36:30.703	04:39:09.591	158.88800

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#### 1.4 - List of missing products

Station	Orbit	Date	Start Time	Stop Time	Duration (s)
HO	80688	25-SEP-2010	23:46:41.147	00:01:06.908	865.76100
MM	80688	25-SEP-2010	23:57:20.932	00:08:52.222	691.29000
HO	80689	26-SEP-2010	01:27:36.483	01:39:37.589	721.10600
MM	80689	26-SEP-2010	01:39:22.867	01:49:05.590	582.72300
GS	80689	26-SEP-2010	00:43:25.574	00:51:35.804	490.23000
BE	80690	26-SEP-2010	02:44:42.661	02:58:01.418	798.75700
MM	80690	26-SEP-2010	03:22:17.929	03:29:39.570	441.64100
CM	80690	26-SEP-2010	03:52:10.773	04:04:29.724	738.95100
BE	80691	26-SEP-2010	04:24:50.999	04:35:38.350	647.35100
MM	80691	26-SEP-2010	05:05:13.937	05:11:01.993	348.05600
MM	80692	26-SEP-2010	06:46:57.543	06:53:43.505	405.96200
KS	80692	26-SEP-2010	06:00:56.057	06:06:04.013	307.95600
CM	80692	26-SEP-2010	05:35:14.636	05:40:19.320	304.68400
JO	80692	26-SEP-2010	06:29:27.687	06:37:19.849	472.16200
JO	80693	26-SEP-2010	08:04:21.442	08:19:19.693	898.25100
MM	80694	26-SEP-2010	10:07:58.037	10:19:04.736	666.69900
JO	80694	26-SEP-2010	09:46:18.586	09:56:38.898	620.31200
HO	80695	26-SEP-2010	11:57:24.818	12:10:38.136	793.31800
MM	80695	26-SEP-2010	11:48:01.191	12:00:19.208	738.01700
HO	80696	26-SEP-2010	13:36:22.915	13:50:57.622	874.70700
MM	80696	26-SEP-2010	13:27:50.651	13:40:33.621	762.97000
BE	80697	26-SEP-2010	14:01:18.842	14:14:42.898	804.05600

HO	80697	26-SEP-2010	15:17:38.212	15:25:29.831	471.61900
MM	80697	26-SEP-2010	15:07:24.622	15:20:04.483	759.86100
GS	80697	26-SEP-2010	14:28:54.357	14:39:54.515	660.15800
BE	80698	26-SEP-2010	15:43:23.804	15:52:33.440	549.63600
MM	80698	26-SEP-2010	16:46:42.499	16:59:14.566	752.06700
GS	80698	26-SEP-2010	16:07:25.546	16:21:19.628	834.08200
CM	80698	26-SEP-2010	16:16:07.374	16:28:28.681	741.30700
MM	80699	26-SEP-2010	18:25:50.730	18:38:25.368	754.63800
GS	80699	26-SEP-2010	17:47:47.677	17:58:01.923	614.24600
CM	80699	26-SEP-2010	17:58:21.429	18:03:46.810	325.38100
MA	80700	26-SEP-2010	19:08:33.314	19:15:54.622	441.30800
JO	80700	26-SEP-2010	20:24:28.115	20:39:17.290	889.17500
MM	80701	26-SEP-2010	21:44:52.555	21:57:29.906	757.35100
MA	80701	26-SEP-2010	20:42:54.085	20:56:36.207	822.12200
JO	80701	26-SEP-2010	22:04:47.372	22:16:43.867	716.49500
HO	80702	26-SEP-2010	23:15:43.074	23:29:47.270	844.19600
MM	80702	26-SEP-2010	23:25:30.400	23:37:25.223	714.82300

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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	Polar View operated
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

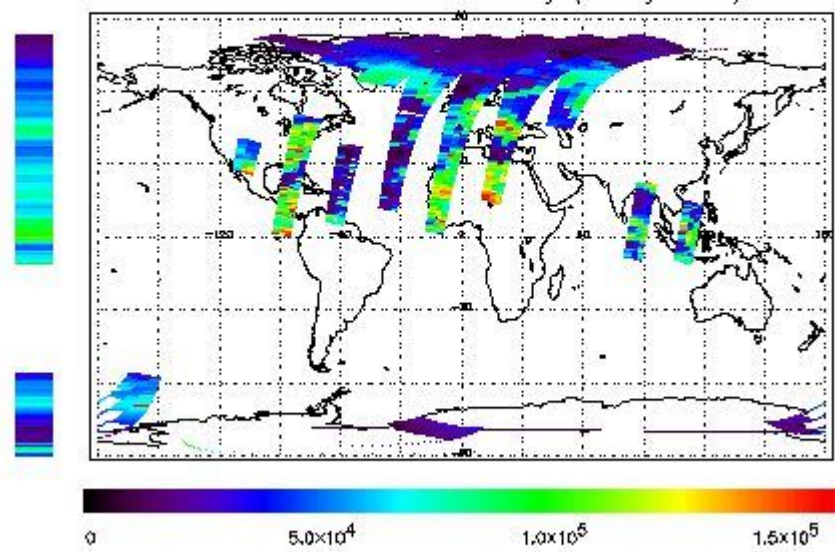
## 2.2 - Daily Plots

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

FRet Product : 26-SEP-2010 00:35:39.599 : ORBIT : 80689.0256  
 Last Product : 26-SEP-2010 22:47:02.755 : ORBIT : 80702.2603  
 Total Products Processed : 14144 Day : 269 Page : 21

778 nm Uncalibrated Intensity (Binary Units)

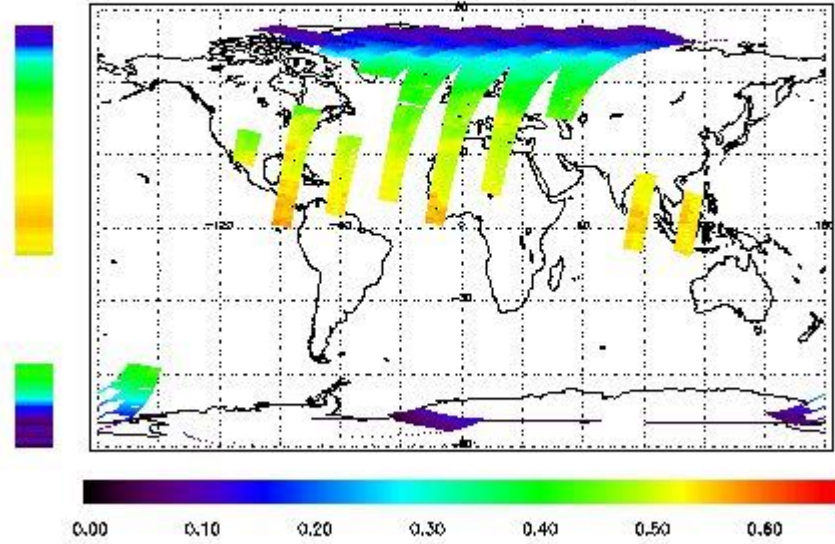


### Ozone Line Ratio

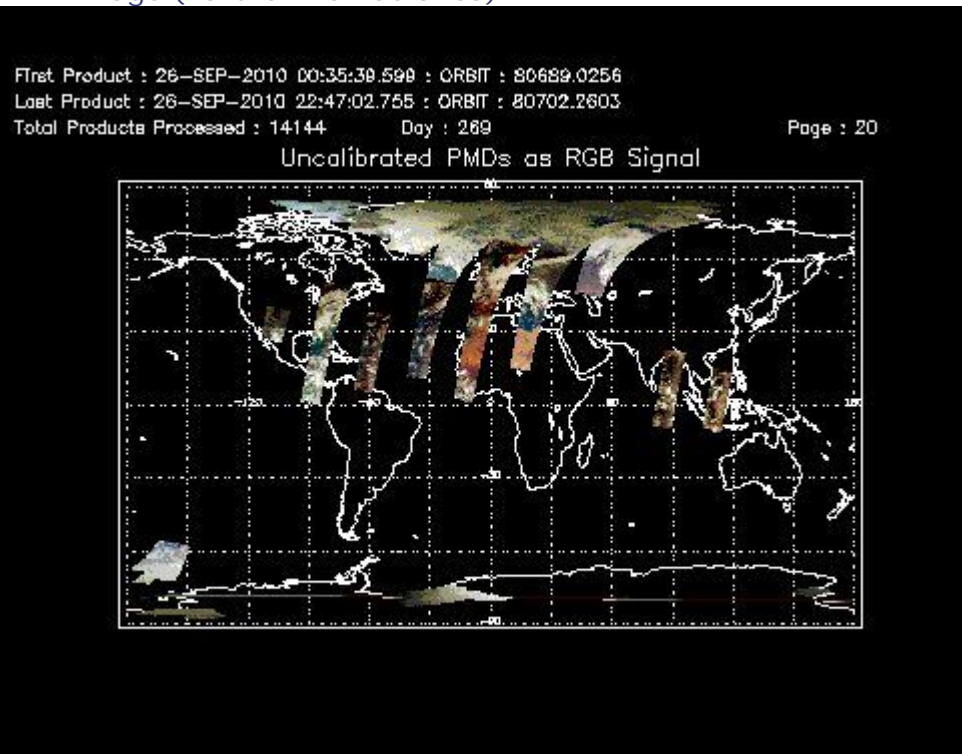
First Product : 26-SEP-2010 00:35:30.590 : ORBIT : 80689.0256  
 Last Product : 26-SEP-2010 22:47:02.755 : ORBIT : 80702.2603  
 Total Products Processed : 14144 Day : 269

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331/313 nm Uncalibrated Line Ratio, SZA Dependence Removed



PMD Image (Earthshine Radiance)



### 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	17:42:54.889	--	80699	Yes	--	15139

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

### 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	--	80388	--

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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