

# GOME Daily Report

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## 1 - General Info

### 1.1 - Report Summary

Item	Value
Report Version	GOMEver3_3
Report of Day	01-SEP-2010
Start Time of First Product	00:20:46
Stop Time of Last Product	23:13:35
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_100901GSEP4080.E2	01-SEP-2010	02:06:26.058
EGOI_100901GSEP4109.E2	01-SEP-2010	03:46:14.672
EGOI_100901GSEP4117.E2	01-SEP-2010	05:28:42.297
EGOI_100901HLEP7364.E2	01-SEP-2010	11:45:20.598
EGOI_100901HLEP7372.E2	01-SEP-2010	13:24:12.197
EGOI_100901HLEP7382.E2	01-SEP-2010	15:04:53.314
EGOI_100901HLEP7389.E2	01-SEP-2010	23:03:57.738
EGOI_100901KSEP2219.E2	01-SEP-2010	07:27:05.516
EGOI_100901KSEP2238.E2	01-SEP-2010	09:07:06.131

EGOI_100901KSEP2260.E2	01-SEP-2010	10:46:44.233
EGOI_100901KSEP2285.E2	01-SEP-2010	12:26:05.840
EGOI_100901KSEP2313.E2	01-SEP-2010	14:05:03.447
EGOI_100901KSEP2339.E2	01-SEP-2010	15:43:05.546
EGOI_100901KSEP2367.E2	01-SEP-2010	17:20:52.645
EGOI_100901KSEP2397.E2	01-SEP-2010	18:58:42.739
EGOI_100901KSEP2428.E2	01-SEP-2010	20:38:08.846
EGOI_100901KSEP2456.E2	01-SEP-2010	22:20:01.969
EGOI_100901MAEP6427.E2	01-SEP-2010	09:16:06.186
EGOI_100901MAEP6436.E2	01-SEP-2010	10:54:48.788
EGOI_100901MAEP6455.E2	01-SEP-2010	22:12:09.426
EGOI_100901MIEP9650.E2	01-SEP-2010	02:04:30.547
EGOI_100901MIEP9679.E2	01-SEP-2010	03:41:34.141
EGOI_100901MIEP9702.E2	01-SEP-2010	14:25:14.068
EGOI_100901MIEP9718.E2	01-SEP-2010	16:01:07.156
EGOI_100901MIEP9738.E2	01-SEP-2010	17:42:55.778
EGOI_100901MMEP4039.E2	01-SEP-2010	03:08:14.433
EGOI_100901MMEP4049.E2	01-SEP-2010	08:15:35.817
EGOI_100901MMEP4057.E2	01-SEP-2010	11:34:59.528
EGOI_100901MMEP4065.E2	01-SEP-2010	13:14:46.641
EGOI_100901MMEP4073.E2	01-SEP-2010	14:54:17.245
EGOI_100901MMEP4079.E2	01-SEP-2010	16:34:34.360
EGOI_100901MMEP4087.E2	01-SEP-2010	18:14:06.469
EGOI_100901MMEP4093.E2	01-SEP-2010	21:32:43.678
EGOI_100901MSEP7952.E2	01-SEP-2010	00:20:46.413
EGOI_100901MSEP7976.E2	01-SEP-2010	10:59:59.321
EGOI_100901MSEP8003.E2	01-SEP-2010	12:39:28.424
EGOI_100901MSEP8031.E2	01-SEP-2010	22:09:37.910
EGOI_100901SGEP7835.E2	01-SEP-2010	02:44:27.789
EGOI_100901SGEP7841.E2	01-SEP-2010	04:23:25.391
EGOI_100901SGEP7850.E2	01-SEP-2010	17:01:25.524

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### 1.3 - List of data gaps

Station	Orbit	Date	Start Time	Stop Time	Duration (s)
KS	80335	01-SEP-2010	07:25:27.158	07:27:05.515	98.357000
KS	80336	01-SEP-2010	09:04:59.600	09:07:06.130	126.53000
KS	80337	01-SEP-2010	10:44:36.258	10:46:44.233	127.97500
KS	80338	01-SEP-2010	12:23:58.451	12:26:05.839	127.38800
KS	80339	01-SEP-2010	14:02:51.922	14:05:03.446	131.52400
KS	80340	01-SEP-2010	15:40:50.684	15:43:05.545	134.86100
KS	80341	01-SEP-2010	17:18:41.012	17:20:52.644	131.63200
KS	80342	01-SEP-2010	18:56:50.917	18:58:42.739	111.82200

KS	80343	01-SEP-2010	20:36:35.001	20:38:08.846	93.845000
KS	80344	01-SEP-2010	22:18:24.064	22:20:01.969	97.905000
GS	80332	01-SEP-2010	02:04:57.405	02:06:26.058	88.653000
GS	80333	01-SEP-2010	03:44:27.246	03:46:14.671	107.42500
MS	80331	01-SEP-2010	00:18:57.896	00:20:46.412	108.51600
MS	80337	01-SEP-2010	10:57:45.880	10:59:59.321	133.44100
MS	80338	01-SEP-2010	12:37:22.160	12:39:28.424	126.26400
MS	80344	01-SEP-2010	22:08:02.040	22:09:37.910	95.870000
MS	80345	01-SEP-2010	23:46:33.576	23:48:26.509	112.93300
MA	80336	01-SEP-2010	09:13:33.780	09:16:06.186	152.40600
MA	80337	01-SEP-2010	10:52:48.330	10:54:48.788	120.45800
MI	80332	01-SEP-2010	02:02:41.704	02:04:30.547	108.84300
MI	80333	01-SEP-2010	03:38:58.145	03:41:34.141	155.99600
MI	80339	01-SEP-2010	14:23:33.684	14:25:14.067	100.38300
MI	80340	01-SEP-2010	15:59:05.585	16:01:07.155	121.57000
MI	80341	01-SEP-2010	17:41:07.338	17:42:55.777	108.43900
MM	80335	01-SEP-2010	08:13:19.238	08:15:35.817	136.57900
MM	80337	01-SEP-2010	11:33:44.410	11:34:59.528	75.118000
MM	80338	01-SEP-2010	13:13:35.911	13:14:46.641	70.730000
MM	80339	01-SEP-2010	14:53:12.214	14:54:17.244	65.030000
MM	80340	01-SEP-2010	16:32:32.230	16:34:34.360	122.13000
MM	80341	01-SEP-2010	18:11:41.039	18:14:06.468	145.42900
MM	80343	01-SEP-2010	21:30:34.626	21:32:43.677	129.05100
SG	80332	01-SEP-2010	02:42:17.750	02:44:27.789	130.03900
SG	80333	01-SEP-2010	04:21:40.695	04:23:25.391	104.69600
SG	80340	01-SEP-2010	16:58:57.585	17:01:25.524	147.93900

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#### 1.4 - List of missing products

Station	Orbit	Date	Start Time	Stop Time	Duration (s)
HO	80331	01-SEP-2010	01:12:47.824	01:25:45.765	777.94100
MM	80331	01-SEP-2010	01:24:44.461	01:34:45.563	601.10200
BE	80332	01-SEP-2010	02:30:36.245	02:43:38.969	782.72400
CM	80332	01-SEP-2010	03:38:13.233	03:50:10.139	716.90600
BE	80333	01-SEP-2010	04:10:23.042	04:22:02.093	699.05100
MM	80333	01-SEP-2010	04:50:34.910	04:56:28.250	353.34000

MM	80334	01-SEP-2010	06:32:30.466	06:38:59.873	389.40700
CM	80334	01-SEP-2010	05:19:28.211	05:27:36.149	487.93800
JO	80335	01-SEP-2010	07:50:19.782	08:05:03.671	883.88900
MM	80336	01-SEP-2010	09:53:39.357	10:04:31.592	652.23500
JO	80336	01-SEP-2010	09:31:11.500	09:43:10.588	719.08800
HO	80339	01-SEP-2010	15:03:00.415	15:11:56.323	535.90800
GS	80339	01-SEP-2010	14:15:08.986	14:24:51.347	582.36100
SG	80339	01-SEP-2010	15:16:20.329	15:30:09.960	829.63100
BE	80340	01-SEP-2010	15:28:18.719	15:38:54.297	635.57800
GS	80340	01-SEP-2010	15:53:13.016	16:07:08.896	835.88000
SG	80340	01-SEP-2010	16:58:57.585	17:05:41.352	403.76700
CM	80340	01-SEP-2010	16:02:05.823	16:14:07.639	721.81600
GS	80341	01-SEP-2010	17:33:20.233	17:44:31.055	670.82200
CM	80341	01-SEP-2010	17:42:57.963	17:51:05.911	487.94800
MM	80342	01-SEP-2010	19:50:54.146	20:03:36.380	762.23400
MA	80342	01-SEP-2010	18:55:53.081	19:00:17.539	264.45800
JO	80342	01-SEP-2010	20:10:26.762	20:24:52.332	865.57000
MA	80343	01-SEP-2010	20:28:47.809	20:42:32.303	824.49400
JO	80343	01-SEP-2010	21:50:11.972	22:03:13.771	781.79900
HO	80344	01-SEP-2010	23:01:58.890	23:15:29.546	810.65600
MM	80344	01-SEP-2010	23:11:04.105	23:23:07.921	723.81600

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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

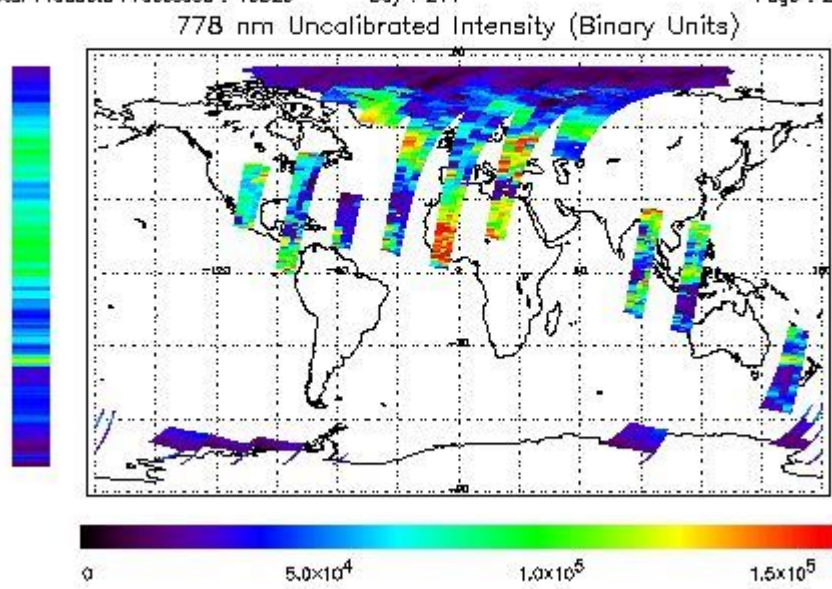
Integration Times Band 3	OK
Integration Times Band 4	OK
Scan Mirror position	OK
Polarization Detectors	OK
FPA Temperatures A	OK
FPA Temperatures B	OK
Charge Amp Temperatures	OK
Other Temperatures A	OK
DDHU Temperatures	OK
Optical Bench Temperatures	OK
Other Temperatures B	OK
Calibration Lamp and Instr. 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

First Product : 01-SEP-2010 00:20:46.413 : ORBIT : 80331.0205  
 Last Product : 01-SEP-2010 23:13:35.298 : ORBIT : 80344.8670  
 Total Products Processed : 19320 Day : 244 Page : 21



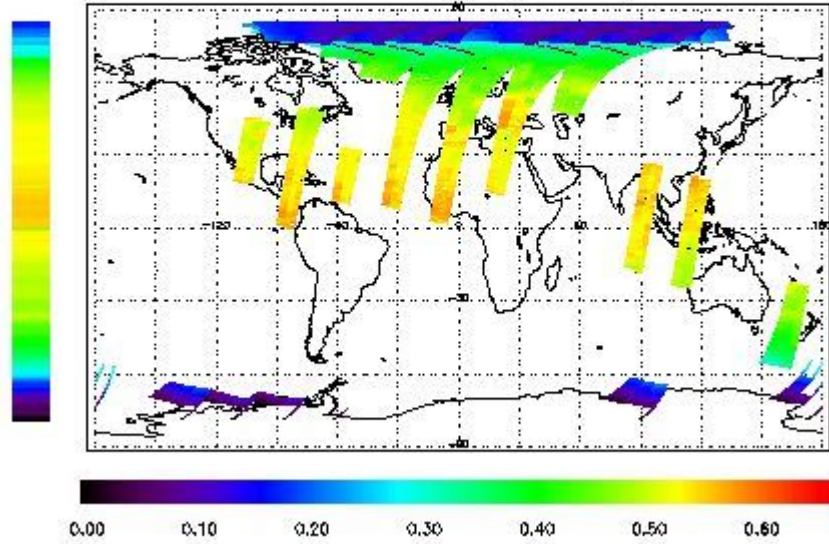
### Ozone Line Ratio



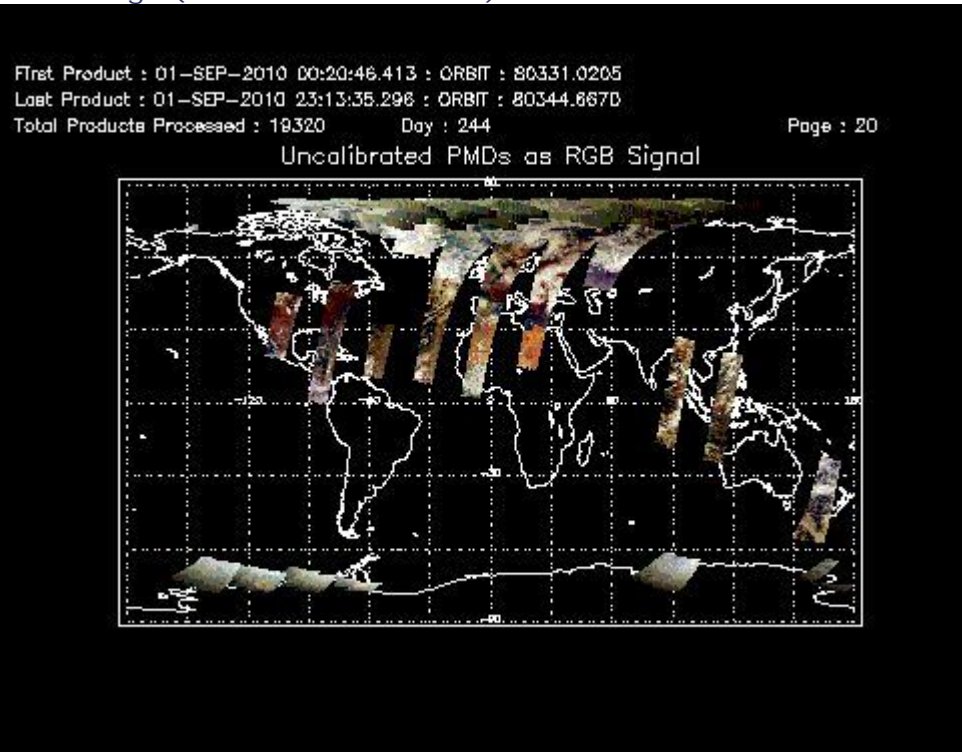
First Product : 01-SEP-2010 00:20:46.413 : ORBIT : 80331.0205  
 Last Product : 01-SEP-2010 23:13:35.296 : ORBIT : 80344.6670  
 Total Products Processed : 19320 Day : 244

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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	17:25:28	--	80341	Yes	--	14912

#### 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
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### 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
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### 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
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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