

# GOME Daily Report

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## 1 - General Info

### 1.1 - Report Summary

Item	Value
Report Version	GOMEver3_3
Report of Day	12-OCT-2010
Start Time of First Product	23:55:57 (11-Oct)
Stop Time of Last Product	22:44:45
Number of EGOI Products analysed	32
Number of corrupted products	--
Anomalies and/or Special Operations	Nominal Data

### 1.2 - List of received products

Name	Date	Time
EGOI_101012GSEP6955.E2	12-OCT-2010	02:18:11.790
EGOI_101012GSEP6979.E2	12-OCT-2010	03:58:03.401
EGOI_101012GSEP6986.E2	12-OCT-2010	05:40:32.537
EGOI_101012HLEP8072.E2	12-OCT-2010	21:42:24.940
EGOI_101012KSEP1566.E2	12-OCT-2010	07:38:42.258
EGOI_101012KSEP1584.E2	12-OCT-2010	09:18:42.868
EGOI_101012KSEP1607.E2	12-OCT-2010	10:58:20.978
EGOI_101012KSEP1632.E2	12-OCT-2010	12:37:39.593
EGOI_101012KSEP1642.E2	12-OCT-2010	14:16:35.701

EGOI_101012KSEP1668.E2	12-OCT-2010	15:54:22.801
EGOI_101012KSEP1696.E2	12-OCT-2010	17:32:21.900
EGOI_101012KSEP1728.E2	12-OCT-2010	19:10:08.999
EGOI_101012KSEP1754.E2	12-OCT-2010	20:49:56.116
EGOI_101012KSEP1782.E2	12-OCT-2010	22:31:59.746
EGOI_101012MAEP8214.E2	12-OCT-2010	09:25:56.416
EGOI_101012MAEP8223.E2	12-OCT-2010	11:05:55.526
EGOI_101012MIEP3149.E2	12-OCT-2010	02:15:20.771
EGOI_101012MIEP3169.E2	12-OCT-2010	03:53:19.874
EGOI_101012MIEP3187.E2	12-OCT-2010	14:35:40.318
EGOI_101012MIEP3204.E2	12-OCT-2010	16:12:43.910
EGOI_101012MIEP3219.E2	12-OCT-2010	17:55:43.045
EGOI_101012MMEP6548.E2	11-OCT-2010	23:55:57.417
EGOI_101012MMEP6560.E2	12-OCT-2010	03:20:12.174
EGOI_101012MMEP6566.E2	12-OCT-2010	05:02:51.804
EGOI_101012MMEP6576.E2	12-OCT-2010	08:30:59.075
EGOI_101012MSEP2662.E2	12-OCT-2010	00:33:12.652
EGOI_101012MSEP2685.E2	12-OCT-2010	11:11:33.061
EGOI_101012MSEP2710.E2	12-OCT-2010	12:51:26.180
EGOI_101012MSEP2738.E2	12-OCT-2010	22:20:58.171
EGOI_101012SGEP8614.E2	12-OCT-2010	02:55:46.521
EGOI_101012SGEP8621.E2	12-OCT-2010	04:35:24.632
EGOI_101012SGEP8628.E2	12-OCT-2010	13:54:52.068

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### 1.3 - List of data gaps

Station	Orbit	Date	Start Time	Stop Time	Duration (s)
KS	80922	12-OCT-2010	07:36:48.596	07:38:42.258	113.66200
KS	80923	12-OCT-2010	09:16:22.842	09:18:42.867	140.02500
KS	80924	12-OCT-2010	10:55:58.707	10:58:20.978	142.27100
KS	80925	12-OCT-2010	12:35:18.103	12:37:39.592	141.48900
KS	80926	12-OCT-2010	14:14:09.879	14:16:35.701	145.82200
KS	80927	12-OCT-2010	15:52:00.778	15:54:22.800	142.02200
KS	80928	12-OCT-2010	17:29:55.437	17:32:21.899	146.46200
KS	80929	12-OCT-2010	19:08:09.684	19:10:08.998	119.31400
KS	80930	12-OCT-2010	20:48:06.114	20:49:56.115	110.00100
KS	80931	12-OCT-2010	22:30:12.247	22:31:59.746	107.49900
GS	80919	12-OCT-2010	02:16:48.935	02:18:11.789	82.854000
GS	80920	12-OCT-2010	03:56:08.242	03:58:03.400	115.15800
MS	80918	12-OCT-2010	00:31:01.769	00:33:12.652	130.88300
MS	80924	12-OCT-2010	11:09:05.066	11:11:33.061	147.99500

MS	80925	12-OCT-2010	12:49:04.847	12:51:26.179	141.33200
MS	80931	12-OCT-2010	22:18:57.672	22:20:58.170	120.49800
MA	80923	12-OCT-2010	09:24:32.320	09:25:56.415	84.095000
MI	80919	12-OCT-2010	02:13:12.137	02:15:20.771	128.63400
MI	80920	12-OCT-2010	03:50:25.780	03:53:19.874	174.09400
MI	80926	12-OCT-2010	14:33:37.239	14:35:40.317	123.07800
MI	80927	12-OCT-2010	16:10:27.786	16:12:43.909	136.12300
MI	80928	12-OCT-2010	17:53:58.536	17:55:43.045	104.50900
MM	80917	11-OCT-2010	23:54:26.979	23:55:57.416	90.437000
MM	80922	12-OCT-2010	08:24:48.258	08:30:59.074	370.81600
SG	80919	12-OCT-2010	02:53:18.268	02:55:46.520	148.25200
SG	80920	12-OCT-2010	04:33:31.446	04:35:24.631	113.18500

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#### 1.4 - List of missing products

Station	Orbit	Date	Start Time	Stop Time	Duration (s)
HO	80918	12-OCT-2010	01:24:35.966	01:36:51.814	735.84800
MM	80918	12-OCT-2010	01:36:27.091	01:46:13.555	586.46400
GS	80918	12-OCT-2010	00:40:47.641	00:48:39.814	472.17300
BE	80919	12-OCT-2010	02:41:53.107	02:55:09.469	796.36200
CM	80919	12-OCT-2010	03:49:22.530	04:01:38.357	735.82700
BE	80920	12-OCT-2010	04:21:57.054	04:32:55.760	658.70600
MM	80921	12-OCT-2010	06:44:04.231	06:50:46.739	402.50800
KS	80921	12-OCT-2010	05:58:10.511	06:02:58.017	287.50600
CM	80921	12-OCT-2010	05:31:59.634	05:37:52.292	352.65800
JO	80921	12-OCT-2010	06:26:57.000	06:34:15.821	438.82100
JO	80922	12-OCT-2010	08:01:32.546	08:16:28.824	896.27800
MM	80923	12-OCT-2010	10:05:06.324	10:16:10.215	663.89100
JO	80923	12-OCT-2010	09:43:15.596	09:53:58.613	643.01700
HO	80924	12-OCT-2010	11:54:36.306	12:07:41.222	784.91600
MM	80924	12-OCT-2010	11:45:09.857	11:57:26.540	736.68300
HO	80925	12-OCT-2010	13:33:31.639	13:48:11.181	879.54200
MM	80925	12-OCT-2010	13:24:59.728	13:37:42.483	762.75500
BE	80926	12-OCT-2010	13:58:29.208	14:11:52.266	803.05800
HO	80926	12-OCT-2010	15:14:42.020	15:22:49.046	487.02600
MM	80926	12-OCT-2010	15:04:34.168	15:17:14.289	760.12100

GS	80926	12-OCT-2010	14:26:08.555	14:36:54.931	646.37600
BE	80927	12-OCT-2010	15:40:21.418	15:49:50.676	569.25800
MM	80927	12-OCT-2010	16:43:52.463	16:56:24.640	752.17700
GS	80927	12-OCT-2010	16:04:34.888	16:18:29.908	835.02000
CM	80927	12-OCT-2010	16:13:18.474	16:25:37.212	738.73800
MM	80928	12-OCT-2010	18:23:00.784	18:35:35.197	754.41300
GS	80928	12-OCT-2010	17:44:53.902	17:55:20.338	626.43600
CM	80928	12-OCT-2010	17:55:12.658	18:01:19.002	366.34400
MM	80929	12-OCT-2010	20:02:15.792	20:14:58.766	762.97400
MA	80929	12-OCT-2010	19:05:58.018	19:12:57.325	419.30700
JO	80929	12-OCT-2010	20:21:39.429	20:36:24.913	885.48400
MM	80930	12-OCT-2010	21:42:00.885	21:54:38.817	757.93200
MA	80930	12-OCT-2010	20:40:04.380	20:53:45.585	821.20500
JO	80930	12-OCT-2010	22:01:51.687	22:14:02.753	731.06600
HO	80931	12-OCT-2010	23:12:57.424	23:26:55.895	838.47100
MM	80931	12-OCT-2010	23:22:37.036	23:34:33.741	716.70500
MA	80931	12-OCT-2010	22:23:31.555	22:31:48.060	496.50500
MS	80932	12-OCT-2010	23:58:14.332	00:10:28.141	733.80900

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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

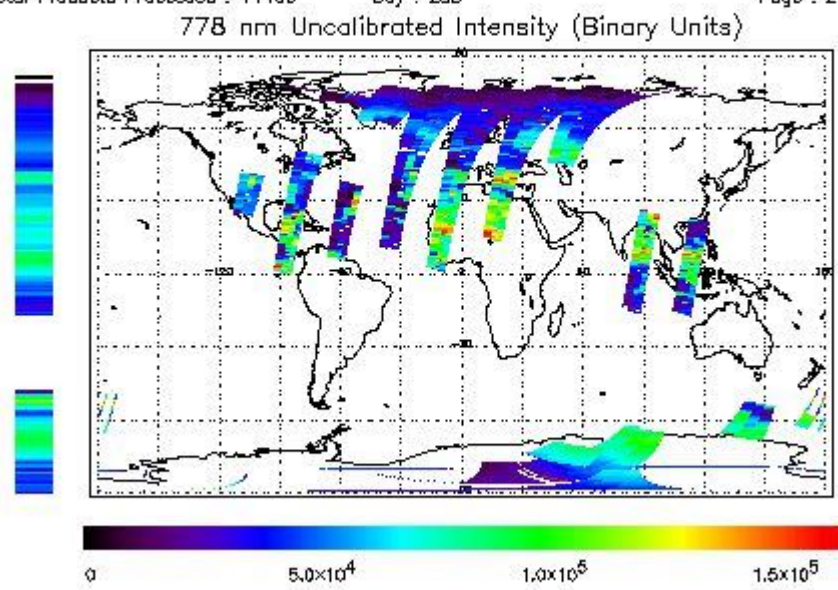
FPA Temperatures A	OK
FPA Temperaturas B	OK
Charge Amp Temperatures	OK
Other Temperatures A	OK
DDHU Temperatures	OK
Optical Bench Temperatures	OK
Other Temperatures B	OK
Calibration Lamp and Instr. Status 3	OK
Scan Mirror and Motor Current	OK
Selected Temperature A	OK
Selected Temperature B	OK
Selected 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

First Product : 11-OCT-2010 23:55:57.417 : ORBIT : 80917.6595  
 Last Product : 12-OCT-2010 22:44:17.820 : ORBIT : 80931.2615  
 Total Products Processed : 14480 Day : 285 Page : 21

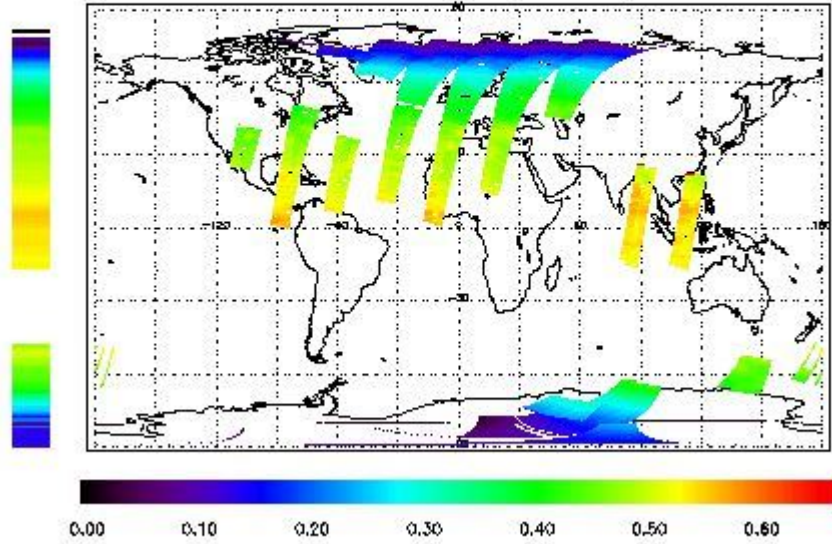


### Ozone Line Ratio

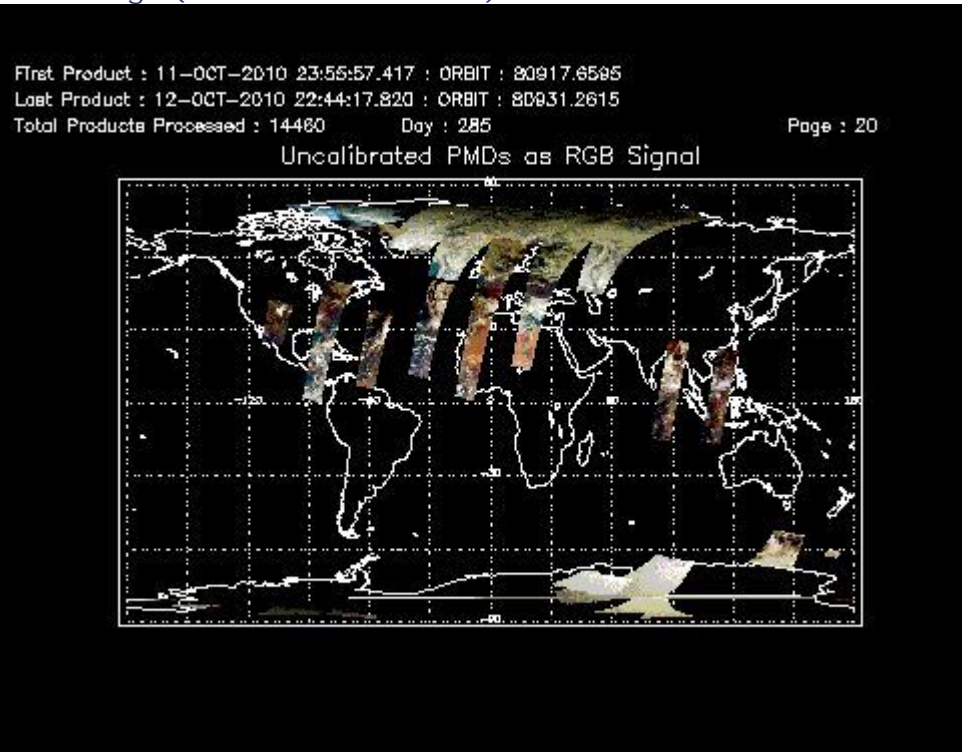
First Product : 11-OCT-2010 23:55:57.417 : ORBIT : 80917.6595  
 Last Product : 12-OCT-2010 22:44:17.820 : ORBIT : 80931.2615  
 Total Products Processed : 14480 Day : 285

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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	16:01:25.839	--	80928	Yes	--	15256

#### 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
--	--	--	--	--	--

### 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