

# GOME Daily Report

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## 1 - General Info

### 1.1 - Report Summary

Item	Value
Report Version	GOMEver3_3
Report of Day	16-OCT-2010
Start Time of First Product	23:49:30 (16-Oct)
Stop Time of Last Product	23:26:56
Number of EGOI Products analysed	39
Number of corrupted products	--
Anomalies and/or Special Operations	Nominal Data

### 1.2 - List of received products

Name	Date	Time
EGOI_101017GSEP7290.E2	17-OCT-2010	01:22:45.307
EGOI_101017GSEP7318.E2	17-OCT-2010	03:00:14.406
EGOI_101017GSEP7340.E2	17-OCT-2010	04:42:33.041
EGOI_101017GSEP7346.E2	17-OCT-2010	06:24:27.665
EGOI_101017KSEP2805.E2	16-OCT-2010	23:49:29.739
EGOI_101017KSEP2819.E2	17-OCT-2010	06:41:50.269
EGOI_101017KSEP2835.E2	17-OCT-2010	08:21:47.889
EGOI_101017KSEP2857.E2	17-OCT-2010	10:01:27.496
EGOI_101017KSEP2879.E2	17-OCT-2010	11:41:02.611

EGOI_101017KSEP2897.E2	17-OCT-2010	13:20:04.718
EGOI_101017KSEP2906.E2	17-OCT-2010	14:58:45.825
EGOI_101017KSEP2933.E2	17-OCT-2010	16:36:23.929
EGOI_101017KSEP2963.E2	17-OCT-2010	18:14:20.033
EGOI_101017KSEP2988.E2	17-OCT-2010	19:52:47.640
EGOI_101017KSEP3014.E2	17-OCT-2010	21:33:31.759
EGOI_101017KSEP3039.E2	17-OCT-2010	23:16:29.393
EGOI_101017MAEP8482.E2	17-OCT-2010	08:30:13.435
EGOI_101017MAEP8495.E2	17-OCT-2010	10:08:54.543
EGOI_101017MAEP8513.E2	17-OCT-2010	21:25:40.708
EGOI_101017MIEP3621.E2	17-OCT-2010	02:56:11.383
EGOI_101017MIEP3638.E2	17-OCT-2010	04:36:30.005
EGOI_101017MIEP3661.E2	17-OCT-2010	15:16:24.935
EGOI_101017MIEP3680.E2	17-OCT-2010	16:55:48.046
EGOI_101017MMEP6837.E2	17-OCT-2010	04:04:16.302
EGOI_101017MMEP6846.E2	17-OCT-2010	07:28:14.555
EGOI_101017MMEP6854.E2	17-OCT-2010	09:12:28.695
EGOI_101017MMEP6858.E2	17-OCT-2010	10:49:24.790
EGOI_101017MMEP6867.E2	17-OCT-2010	12:29:20.908
EGOI_101017MMEP6875.E2	17-OCT-2010	14:09:20.024
EGOI_101017MMEP6881.E2	17-OCT-2010	15:48:34.131
EGOI_101017MMEP6888.E2	17-OCT-2010	17:28:52.750
EGOI_101017MMEP6896.E2	17-OCT-2010	19:07:39.862
EGOI_101017MMEP6904.E2	17-OCT-2010	20:46:41.965
EGOI_101017MMEP6912.E2	17-OCT-2010	22:26:48.584
EGOI_101017MSEP3217.E2	17-OCT-2010	10:16:26.090
EGOI_101017MSEP3246.E2	17-OCT-2010	11:53:58.194
EGOI_101017MSEP3266.E2	17-OCT-2010	13:35:54.320
EGOI_101017MSEP3280.E2	17-OCT-2010	21:27:15.220
EGOI_101017MSEP3312.E2	17-OCT-2010	23:02:35.303

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### 1.3 - List of data gaps

Station	Orbit	Date	Start Time	Stop Time	Duration (s)
KS	80993	17-OCT-2010	06:40:08.955	06:41:50.268	101.31300
KS	80994	17-OCT-2010	08:19:27.322	08:21:47.889	140.56700
KS	80995	17-OCT-2010	09:59:04.849	10:01:27.496	142.64700
KS	80996	17-OCT-2010	11:38:35.798	11:41:02.611	146.81300
KS	80997	17-OCT-2010	13:17:42.388	13:20:04.718	142.33000
KS	80998	17-OCT-2010	14:56:18.664	14:58:45.824	147.16000
KS	80999	17-OCT-2010	16:33:56.001	16:36:23.929	147.92800
KS	81000	17-OCT-2010	18:11:46.610	18:14:20.033	153.42300

KS	81001	17-OCT-2010	19:50:46.203	19:52:47.639	121.43600
KS	81002	17-OCT-2010	21:31:33.209	21:33:31.758	118.54900
KS	81003	17-OCT-2010	23:14:51.150	23:16:29.393	98.243000
GS	80990	17-OCT-2010	01:20:57.678	01:22:45.307	107.62900
GS	80991	17-OCT-2010	02:58:24.575	03:00:14.405	109.83000
GS	80992	17-OCT-2010	04:40:49.141	04:42:33.041	103.90000
MS	80995	17-OCT-2010	10:14:00.796	10:16:26.090	145.29400
MS	80996	17-OCT-2010	11:51:27.500	11:53:58.194	150.69400
MS	81003	17-OCT-2010	23:00:44.421	23:02:35.303	110.88200
MA	80994	17-OCT-2010	08:28:21.459	08:30:13.435	111.97600
MA	80995	17-OCT-2010	10:07:08.312	10:08:54.543	106.23100
MA	81002	17-OCT-2010	21:23:11.243	21:25:40.707	149.46400
MI	80991	17-OCT-2010	02:53:58.187	02:56:11.382	133.19500
MI	80992	17-OCT-2010	04:34:18.598	04:36:30.004	131.40600
MI	80998	17-OCT-2010	15:14:12.352	15:16:24.935	132.58300
MI	80999	17-OCT-2010	16:53:36.222	16:55:48.046	131.82400
MM	80994	17-OCT-2010	09:07:49.542	09:12:28.695	279.15300
MM	80994	17-OCT-2010	09:16:15.218	09:17:48.737	93.519000
MM	80995	17-OCT-2010	10:48:00.882	10:49:24.790	83.908000
MM	80996	17-OCT-2010	12:27:58.708	12:29:20.907	82.199000
MM	80997	17-OCT-2010	14:07:42.204	14:09:20.024	97.820000
MM	80997	17-OCT-2010	14:13:09.543	14:20:25.995	436.45200
MM	80998	17-OCT-2010	15:47:09.572	15:48:34.131	84.559000
MM	80999	17-OCT-2010	17:26:22.237	17:28:52.749	150.51200
MM	81000	17-OCT-2010	19:05:30.786	19:07:39.861	129.07500
MM	81001	17-OCT-2010	20:44:55.782	20:46:41.964	106.18200
MM	81002	17-OCT-2010	22:25:00.577	22:26:48.584	108.00700

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#### 1.4 - List of missing products

Station	Orbit	Date	Start Time	Stop Time	Duration (s)
HO	80989	17-OCT-2010	00:26:14.534	00:40:52.436	877.90200
MM	80989	17-OCT-2010	00:38:01.977	00:48:55.774	653.79700
BE	80990	17-OCT-2010	01:45:58.004	01:56:45.764	647.76000
MM	80990	17-OCT-2010	02:20:28.259	02:29:15.853	527.59400
BE	80991	17-OCT-2010	03:24:28.807	03:37:42.076	793.26900

SG	80991	17-OCT-2010	03:35:25.384	03:49:16.040	830.65600
CM	80991	17-OCT-2010	02:54:50.712	03:03:19.577	508.86500
CM	80991	17-OCT-2010	04:32:03.571	04:44:00.163	716.59200
MM	80992	17-OCT-2010	05:46:05.678	05:51:58.278	352.60000
JO	80993	17-OCT-2010	07:06:18.731	07:18:53.029	754.29800
JO	80994	17-OCT-2010	08:44:15.558	08:58:53.513	877.95500
MA	80996	17-OCT-2010	11:48:56.297	11:54:34.572	338.27500
HO	80997	17-OCT-2010	14:16:36.883	14:29:24.323	767.44000
SG	80997	17-OCT-2010	14:32:04.161	14:43:51.539	707.37800
BE	80998	17-OCT-2010	14:41:20.452	14:54:19.237	778.78500
GS	80998	17-OCT-2010	15:07:59.746	15:21:08.562	788.81600
SG	80998	17-OCT-2010	16:10:46.515	16:23:21.054	754.53900
CM	80998	17-OCT-2010	15:18:21.655	15:26:52.079	510.42400
GS	80999	17-OCT-2010	16:47:22.317	17:00:33.618	791.30100
CM	80999	17-OCT-2010	16:56:00.557	17:07:51.869	711.31200
JO	81000	17-OCT-2010	19:26:22.093	19:37:40.452	678.35900
MA	81001	17-OCT-2010	19:44:18.179	19:56:44.566	746.38700
JO	81001	17-OCT-2010	21:04:08.739	21:19:00.574	891.83500
HO	81002	17-OCT-2010	22:18:01.541	22:29:37.368	695.82700
JO	81002	17-OCT-2010	22:46:48.378	22:53:00.621	372.24300
HO	81003	17-OCT-2010	23:55:08.670	00:09:38.962	870.29200

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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

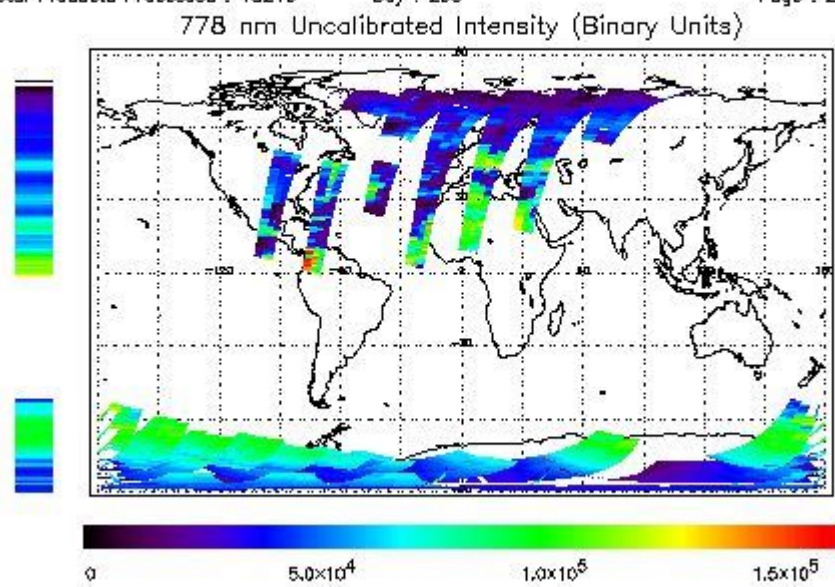
Integration Times Band 3	OK
Integration Times Band 4	OK
Scan Mirror position	Polar View operated
Polarization Detectors	OK
FPA Temperatures A	OK
FPA Temperatures B	OK
Charge Amp Temperatures	OK
Other Temperatures A	OK
DDHU Temperatures	OK
Optical Bench Temperatures	OK
Other Temperatures B	OK
Calibration 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 : 16-OCT-2010 23:49:29.739 : ORBIT : 80989.1667  
 Last Product : 17-OCT-2010 23:28:56.459 : ORBIT : 81003.2588  
 Total Products Processed : 18219 Day : 290 Page : 21

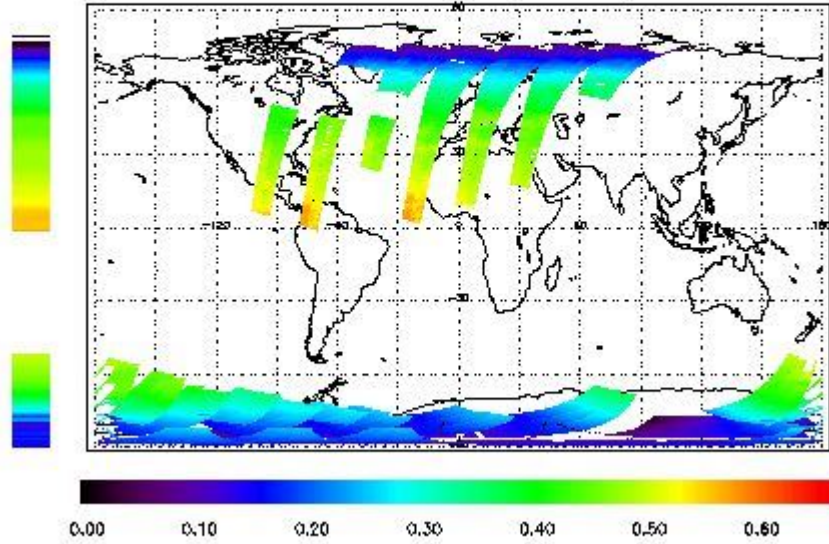


### Ozone Line Ratio

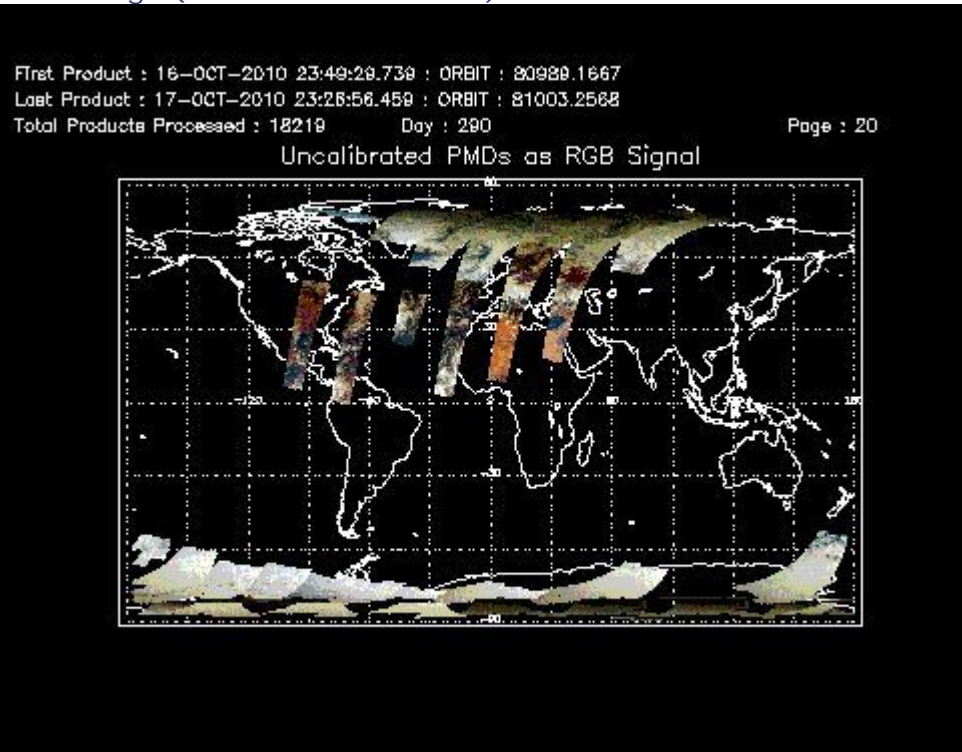
First Product : 16-OCT-2010 23:49:29.739 : ORBIT : 80989.1667  
 Last Product : 17-OCT-2010 23:28:56.459 : ORBIT : 81003.2568  
 Total Products Processed : 18219 Day : 290

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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	16:45:07.479	--	80999	Yes	--	15303

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

### 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