

# GOME Daily Report

## INDEX

1. [General Info](#)
  - 1.1 [Report Summary](#)
  - 1.2 [List of received products](#)
  - 1.3 [List of data gaps](#)
  - 1.4 [List of missing products](#)
  - 1.5 [List of corrupted products](#)
2. [Instrument Indicators and Daily Plots](#)
  - 2.1 [Instrument Indicators Status](#)
  - 2.2 [Daily Plots](#)
3. [Instrument Calibration](#)
  - 3.1 [Solar Calibration \(daily/TST44\)](#)
  - 3.2 [Lamp Calibration \(quarterly/TST44\)](#)
4. [Instrument Anomalies](#)
  - 4.1 [Single Event Upset \(SEU\)](#)
  - 4.2 [Instrument Off](#)
  - 4.3 [Cooler Switchings](#)
5. [Instrument Operations](#)
  - 5.1 [Timeline Interruptions](#)
  - 5.2 [TST44](#)
  - 5.3 [Power Cycle](#)
  - 5.4 [Wrong Command Execution](#)
  - 5.5 [Narrow Swath Timeline](#)
  - 5.6 [Seasonal Operations](#)

## 1 - General Info

### 1.1 - Report Summary

Item	Value
Report Version	GOMEver3_3
Report of Day	19-OCT-2010
Start Time of First Product	00:12:10
Stop Time of Last Product	23:53:28
Number of EGOI Products analysed	42
Number of corrupted products	--
Anomalies and/or Special Operations	Nominal Data

### 1.2 - List of received products

Name	Date	Time
EGOI_101019CMEP0963.E2	19-OCT-2010	03:31:17.325
EGOI_101019CMEP0972.E2	19-OCT-2010	05:11:40.444
EGOI_101019CMEP0983.E2	19-OCT-2010	15:55:12.902
EGOI_101019CMEP0990.E2	19-OCT-2010	17:35:06.017
EGOI_101019GSEP7460.E2	19-OCT-2010	01:58:18.253
EGOI_101019GSEP7491.E2	19-OCT-2010	03:37:36.860
EGOI_101019GSEP7500.E2	19-OCT-2010	05:20:22.500
EGOI_101019HLEP8152.E2	19-OCT-2010	13:16:01.426
EGOI_101019HLEP8163.E2	19-OCT-2010	15:01:44.077

EGOI_101019HLEP8170.E2	19-OCT-2010	22:55:57.496
EGOI_101019KSEP3346.E2	19-OCT-2010	07:18:42.724
EGOI_101019KSEP3365.E2	19-OCT-2010	08:58:49.339
EGOI_101019KSEP3387.E2	19-OCT-2010	10:38:28.954
EGOI_101019KSEP3409.E2	19-OCT-2010	12:17:52.065
EGOI_101019KSEP3435.E2	19-OCT-2010	13:56:51.177
EGOI_101019KSEP3461.E2	19-OCT-2010	15:35:05.285
EGOI_101019KSEP3490.E2	19-OCT-2010	17:12:40.380
EGOI_101019KSEP3522.E2	19-OCT-2010	18:50:36.487
EGOI_101019KSEP3553.E2	19-OCT-2010	20:29:52.098
EGOI_101019KSEP3581.E2	19-OCT-2010	22:11:28.722
EGOI_101019MAEP8598.E2	19-OCT-2010	09:06:08.882
EGOI_101019MAEP8607.E2	19-OCT-2010	10:45:57.497
EGOI_101019MAEP8627.E2	19-OCT-2010	22:03:34.674
EGOI_101019MIEP3782.E2	19-OCT-2010	01:57:03.249
EGOI_101019MIEP3808.E2	19-OCT-2010	03:34:05.341
EGOI_101019MIEP3829.E2	19-OCT-2010	05:16:37.475
EGOI_101019MIEP3839.E2	19-OCT-2010	15:52:53.390
EGOI_101019MIEP3861.E2	19-OCT-2010	17:34:09.013
EGOI_101019MMEP7003.E2	19-OCT-2010	01:17:14.999
EGOI_101019MMEP7010.E2	19-OCT-2010	02:59:42.629
EGOI_101019MMEP7020.E2	19-OCT-2010	08:09:25.034
EGOI_101019MMEP7026.E2	19-OCT-2010	11:26:33.748
EGOI_101019MMEP7037.E2	19-OCT-2010	16:25:44.590
EGOI_101019MMEP7045.E2	19-OCT-2010	18:05:54.209
EGOI_101019MMEP7053.E2	19-OCT-2010	19:44:21.816
EGOI_101019MMEP7061.E2	19-OCT-2010	21:24:05.928
EGOI_101019MMEP7067.E2	19-OCT-2010	23:03:56.043
EGOI_101019MSEP3434.E2	19-OCT-2010	00:12:10.098
EGOI_101019MSEP3455.E2	19-OCT-2010	10:52:05.037
EGOI_101019MSEP3476.E2	19-OCT-2010	12:31:14.648
EGOI_101019MSEP3501.E2	19-OCT-2010	22:01:48.163
EGOI_101019MSEP3530.E2	19-OCT-2010	23:40:00.770

[ [BACK TO MENU](#) ]

### 1.3 - List of data gaps

Station	Orbit	Date	Start Time	Stop Time	Duration (s)
KS	81022	19-OCT-2010	07:16:56.444	07:18:42.723	106.27900
KS	81023	19-OCT-2010	08:56:27.191	08:58:49.339	142.14800
KS	81024	19-OCT-2010	10:36:04.298	10:38:28.953	144.65500
KS	81025	19-OCT-2010	12:15:28.424	12:17:52.064	143.64000
KS	81026	19-OCT-2010	13:54:22.760	13:56:51.177	148.41700
KS	81027	19-OCT-2010	15:32:27.910	15:35:05.285	157.37500

KS	81028	19-OCT-2010	17:10:11.823	17:12:40.380	148.55700
KS	81029	19-OCT-2010	18:48:22.593	18:50:36.487	133.89400
KS	81030	19-OCT-2010	20:27:57.733	20:29:52.097	114.36400
KS	81031	19-OCT-2010	22:09:34.439	22:11:28.721	114.28200
KS	81032	19-OCT-2010	23:54:12.980	23:55:38.367	85.387000
GS	81019	19-OCT-2010	01:56:38.007	01:58:18.253	100.24600
GS	81020	19-OCT-2010	03:35:44.444	03:37:36.859	112.41500
MS	81018	19-OCT-2010	00:10:01.881	00:12:10.098	128.21700
MS	81024	19-OCT-2010	10:49:36.089	10:52:05.037	148.94800
MS	81025	19-OCT-2010	12:28:44.394	12:31:14.648	150.25400
MS	81031	19-OCT-2010	21:59:54.647	22:01:48.163	113.51600
MS	81032	19-OCT-2010	23:37:51.891	23:40:00.770	128.87900
MA	81024	19-OCT-2010	10:44:09.313	10:45:57.497	108.18400
MA	81031	19-OCT-2010	22:01:51.333	22:03:34.674	103.34100
MI	81019	19-OCT-2010	01:54:59.949	01:57:03.249	123.30000
MI	81020	19-OCT-2010	03:30:25.779	03:34:05.340	219.56100
MI	81021	19-OCT-2010	05:14:50.827	05:16:37.474	106.64700
MI	81027	19-OCT-2010	15:50:36.074	15:52:53.390	137.31600
MI	81028	19-OCT-2010	17:31:58.109	17:34:09.012	130.90300
MM	81018	19-OCT-2010	01:15:58.000	01:17:14.998	76.998000
MM	81022	19-OCT-2010	08:04:42.250	08:09:25.034	282.78400
MM	81024	19-OCT-2010	11:25:10.210	11:26:33.748	83.538000
MM	81027	19-OCT-2010	16:24:01.954	16:25:44.589	102.63500
MM	81028	19-OCT-2010	18:03:11.265	18:05:54.208	162.94300
MM	81029	19-OCT-2010	19:42:23.149	19:44:21.816	118.66700
MM	81030	19-OCT-2010	21:22:00.360	21:24:05.928	125.56800
MM	81031	19-OCT-2010	23:02:24.954	23:03:56.042	91.088000
CM	81020	19-OCT-2010	05:10:20.860	05:11:40.444	79.584000
CM	81027	19-OCT-2010	15:53:44.696	15:55:12.901	88.205000
CM	81028	19-OCT-2010	17:33:59.122	17:35:06.017	66.895000

[ [BACK TO MENU](#) ]

#### 1.4 - List of missing products

Station	Orbit	Date	Start Time	Stop Time	Duration (s)
HO	81018	19-OCT-2010	01:04:05.915	01:17:23.608	797.69300
BE	81019	19-OCT-2010	02:22:10.150	02:34:58.121	767.97100

SG	81019	19-OCT-2010	02:34:07.149	02:45:57.967	710.81800
CM	81019	19-OCT-2010	03:29:55.332	03:41:30.924	695.59200
BE	81020	19-OCT-2010	04:01:44.171	04:13:48.624	724.45300
MM	81020	19-OCT-2010	04:41:46.741	04:47:44.892	358.15100
SG	81020	19-OCT-2010	04:12:53.024	04:25:24.807	751.78300
MM	81021	19-OCT-2010	06:23:49.565	06:30:10.001	380.43600
JO	81022	19-OCT-2010	07:41:58.242	07:56:28.010	869.76800
MM	81023	19-OCT-2010	09:45:04.009	09:55:47.066	643.05700
JO	81023	19-OCT-2010	09:22:15.035	09:34:58.981	763.94600
HO	81024	19-OCT-2010	11:35:04.123	11:47:07.812	723.68900
HO	81025	19-OCT-2010	13:13:35.146	13:28:24.496	889.35000
MM	81025	19-OCT-2010	13:05:02.920	13:17:43.473	760.55300
HO	81026	19-OCT-2010	14:54:14.777	15:03:43.308	568.53100
MM	81026	19-OCT-2010	14:44:40.604	14:57:22.413	761.80900
GS	81026	19-OCT-2010	14:06:59.372	14:15:41.861	522.48900
SG	81026	19-OCT-2010	15:07:55.120	15:21:35.690	820.57000
BE	81027	19-OCT-2010	15:19:22.552	15:30:37.712	675.16000
GS	81027	19-OCT-2010	15:44:42.445	15:58:35.864	833.41900
SG	81027	19-OCT-2010	16:49:34.408	16:58:07.060	512.65200
GS	81028	19-OCT-2010	17:24:41.280	17:36:21.228	699.94800
MA	81029	19-OCT-2010	18:47:33.291	18:51:43.397	250.10600
JO	81029	19-OCT-2010	20:02:04.652	20:16:09.474	844.82200
MA	81030	19-OCT-2010	20:20:22.744	20:34:10.038	827.29400
JO	81030	19-OCT-2010	21:41:29.920	21:55:02.789	812.86900
HO	81031	19-OCT-2010	22:53:39.238	23:06:53.993	794.75500

[ [BACK TO MENU](#) ]

## 1.5 - List of corrupted products

Station	Orbit	Time
---------	-------	------

## 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 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

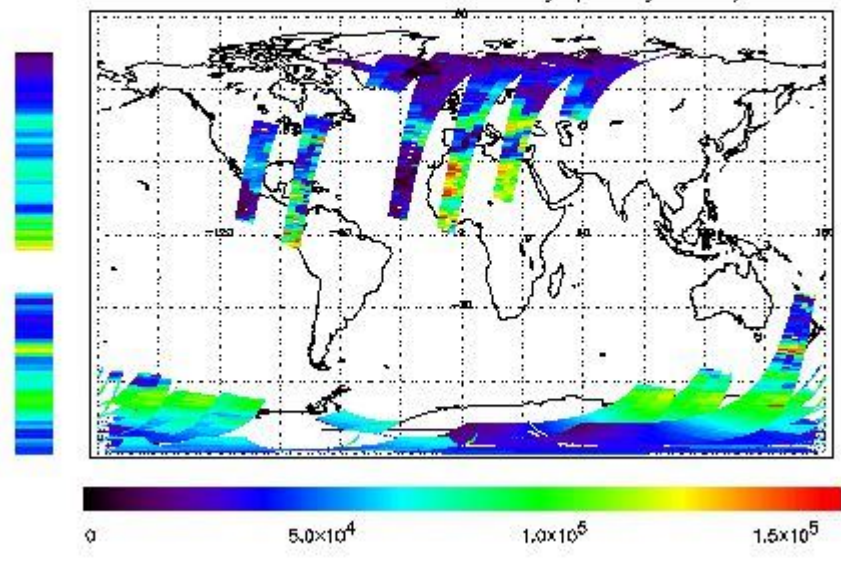
## 2.2 - Daily Plots

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 : 19-OCT-2010 00:12:10.098 : ORBIT : 81018.0207  
Last Product : 19-OCT-2010 23:53:27.852 : ORBIT : 81032.1491  
Total Products Processed : 20228 Day : 292

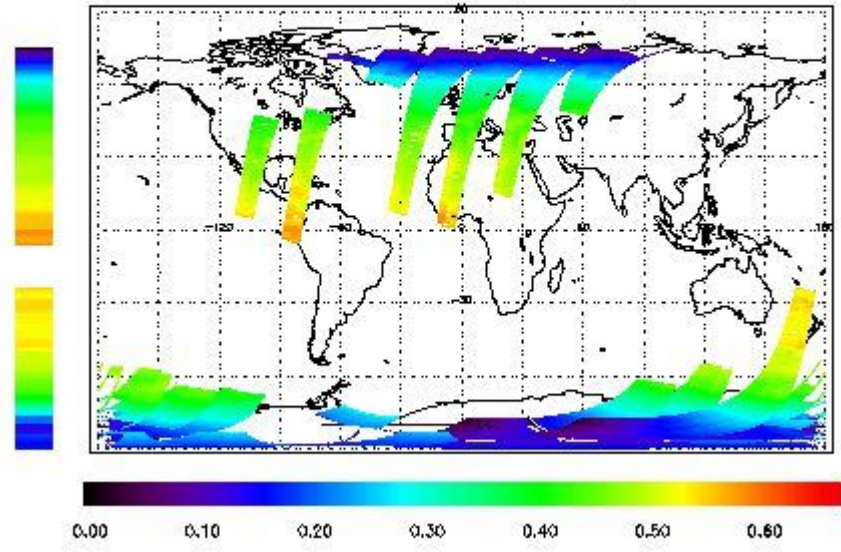
778 nm Uncalibrated Intensity (Binary Units)



Ozone Line Ratio

First Product : 19-OCT-2010 00:12:10.098 : ORBIT : 81018.0207  
Last Product : 19-OCT-2010 23:53:27.852 : ORBIT : 81032.1491  
Total Products Processed : 20228 Day : 292

331/313 nm Uncalibrated Line Ratio, SZA Dependence Removed



PMD Image (Earthshine Radiance)



## 5 - Instrument Operations

[Additional Info](#)

### 5.1 - Timeline Interruptions

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

### 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
--	--	--	--

### 5.6 - Seasonal Operations

Start Time	End Time	Start Orbit	End Orbit
--	--	--	--