

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	06-NOV-2010
Start Time of First Product	00:15:18
Stop Time of Last Product	23:20:04
Number of EGOI Products analysed	37
Number of corrupted products	--
Anomalies and/or Special Operations	Nominal Data

1.2 - List of received products

Name	Date	Time
EGOI_101107CMEP1477.E2	07-NOV-2010	03:34:09.880
EGOI_101107CMEP1486.E2	07-NOV-2010	05:14:33.003
EGOI_101107CMEP1496.E2	07-NOV-2010	15:58:02.476
EGOI_101107CMEP1503.E2	07-NOV-2010	17:38:07.595
EGOI_101107KSEP8120.E2	07-NOV-2010	07:21:47.289
EGOI_101107KSEP8139.E2	07-NOV-2010	09:01:44.900
EGOI_101107KSEP8162.E2	07-NOV-2010	10:41:24.515
EGOI_101107KSEP8189.E2	07-NOV-2010	12:20:47.630
EGOI_101107KSEP8217.E2	07-NOV-2010	13:59:45.242

EGOI_101107KSEP8242.E2	07-NOV-2010	15:37:54.847
EGOI_101107KSEP8261.E2	07-NOV-2010	17:15:37.450
EGOI_101107KSEP8290.E2	07-NOV-2010	18:53:33.558
EGOI_101107KSEP8321.E2	07-NOV-2010	20:32:47.673
EGOI_101107KSEP8349.E2	07-NOV-2010	22:14:39.301
EGOI_101107MAEP9393.E2	07-NOV-2010	09:08:59.943
EGOI_101107MAEP9410.E2	07-NOV-2010	10:48:30.558
EGOI_101107MAEP9429.E2	07-NOV-2010	22:06:37.749
EGOI_101107MIEP5195.E2	07-NOV-2010	01:59:43.796
EGOI_101107MIEP5219.E2	07-NOV-2010	03:36:15.892
EGOI_101107MIEP5237.E2	07-NOV-2010	05:20:06.030
EGOI_101107MIEP5253.E2	07-NOV-2010	14:20:46.875
EGOI_101107MIEP5262.E2	07-NOV-2010	15:55:47.460
EGOI_101107MIEP5283.E2	07-NOV-2010	17:37:13.587
EGOI_101107MMEP8188.E2	07-NOV-2010	01:20:12.050
EGOI_101107MMEP8195.E2	07-NOV-2010	03:02:41.188
EGOI_101107MMEP8201.E2	07-NOV-2010	04:45:23.819
EGOI_101107MMEP8211.E2	07-NOV-2010	06:27:28.945
EGOI_101107MMEP8219.E2	07-NOV-2010	08:11:56.595
EGOI_101107MMEP8229.E2	07-NOV-2010	16:28:32.664
EGOI_101107MMEP8240.E2	07-NOV-2010	23:06:54.623
EGOI_101107MSEP5592.E2	07-NOV-2010	00:15:17.654
EGOI_101107MSEP5622.E2	07-NOV-2010	10:54:53.102
EGOI_101107MSEP5650.E2	07-NOV-2010	12:34:11.718
EGOI_101107MSEP5677.E2	07-NOV-2010	22:04:34.738
EGOI_101107SGEP9216.E2	07-NOV-2010	04:28:22.213
EGOI_101107SGEP9222.E2	07-NOV-2010	15:12:57.694
EGOI_101107SGEP9229.E2	07-NOV-2010	16:55:19.329

[[BACK TO MENU](#)]

1.3 - List of data gaps

Station	Orbit	Date	Start Time	Stop Time	Duration (s)
KS	81294	07-NOV-2010	07:19:46.643	07:21:47.289	120.64600
KS	81295	07-NOV-2010	08:59:17.991	09:01:44.899	146.90800
KS	81296	07-NOV-2010	10:38:54.962	10:41:24.515	149.55300
KS	81297	07-NOV-2010	12:18:18.459	12:20:47.630	149.17100
KS	81298	07-NOV-2010	13:57:12.507	13:59:45.241	152.73400
KS	81299	07-NOV-2010	15:35:15.524	15:37:54.846	159.32200
KS	81300	07-NOV-2010	17:13:03.625	17:15:37.449	153.82400
KS	81301	07-NOV-2010	18:51:11.965	18:53:33.558	141.59300
KS	81302	07-NOV-2010	20:30:50.056	20:32:47.672	117.61600
KS	81303	07-NOV-2010	22:12:30.840	22:14:39.301	128.46100

KS	81304	07-NOV-2010	23:57:17.100	23:59:30.948	133.84800
MS	81290	07-NOV-2010	00:12:59.991	00:15:17.653	137.66200
MS	81296	07-NOV-2010	10:52:20.011	10:54:53.101	153.09000
MS	81297	07-NOV-2010	12:31:36.407	12:34:11.718	155.31100
MS	81303	07-NOV-2010	22:02:36.664	22:04:34.737	118.07300
MS	81304	07-NOV-2010	23:40:45.438	23:42:59.347	133.90900
MA	81295	07-NOV-2010	09:07:51.894	09:08:59.942	68.048000
MA	81296	07-NOV-2010	10:47:02.173	10:48:30.558	88.385000
MA	81303	07-NOV-2010	22:05:21.922	22:06:37.749	75.827000
MI	81291	07-NOV-2010	01:57:32.479	01:59:43.796	131.31700
MI	81292	07-NOV-2010	03:33:16.254	03:36:15.891	179.63700
MI	81293	07-NOV-2010	05:18:28.214	05:20:06.029	97.815000
MI	81298	07-NOV-2010	14:19:11.823	14:20:46.875	95.052000
MI	81299	07-NOV-2010	15:53:25.703	15:55:47.459	141.75600
MI	81300	07-NOV-2010	17:34:59.824	17:37:13.586	133.76200
MM	81290	07-NOV-2010	01:18:53.437	01:20:12.049	78.612000
MM	81291	07-NOV-2010	03:01:40.394	03:02:41.187	60.793000
MM	81294	07-NOV-2010	08:07:34.602	08:11:56.595	261.99300
MM	81299	07-NOV-2010	16:26:52.055	16:28:32.663	100.60800
MM	81303	07-NOV-2010	23:05:17.953	23:06:54.622	96.669000
SG	81298	07-NOV-2010	15:10:43.200	15:12:57.693	134.49300
SG	81299	07-NOV-2010	16:52:40.113	16:55:19.329	159.21600
CM	81292	07-NOV-2010	05:13:22.242	05:14:33.002	70.760000
CM	81299	07-NOV-2010	15:56:31.395	15:58:02.475	91.080000
CM	81300	07-NOV-2010	17:36:57.921	17:38:07.595	69.674000

[[BACK TO MENU](#)]

1.4 - List of missing products

Station	Orbit	Date	Start Time	Stop Time	Duration (s)
HO	81290	07-NOV-2010	01:06:59.628	01:20:11.188	791.56000
BE	81291	07-NOV-2010	02:24:58.690	02:37:52.032	773.34200
GS	81291	07-NOV-2010	01:59:24.256	02:12:28.258	784.00200
SG	81291	07-NOV-2010	02:36:50.175	02:48:54.607	724.43200
CM	81291	07-NOV-2010	03:32:40.891	03:44:24.303	703.41200
BE	81292	07-NOV-2010	04:04:36.985	04:16:33.404	716.41900
GS	81292	07-NOV-2010	03:38:38.445	03:51:54.935	796.49000

JO	81294	07-NOV-2010	07:44:45.126	07:59:20.072	874.94600
MM	81295	07-NOV-2010	09:47:55.804	09:58:41.961	646.15700
JO	81295	07-NOV-2010	09:25:13.315	09:37:43.295	749.98000
MM	81296	07-NOV-2010	11:28:01.621	11:40:09.475	727.85400
MM	81297	07-NOV-2010	13:07:53.930	13:20:34.875	760.94500
HO	81298	07-NOV-2010	14:57:09.858	15:06:27.821	557.96300
MM	81298	07-NOV-2010	14:47:31.154	15:00:12.740	761.58600
GS	81298	07-NOV-2010	14:09:41.975	14:18:45.794	543.81900
SG	81298	07-NOV-2010	15:10:43.200	15:24:27.420	824.22000
BE	81299	07-NOV-2010	15:22:20.787	15:33:23.582	662.79500
GS	81299	07-NOV-2010	15:47:32.553	16:01:27.094	834.54100
MM	81300	07-NOV-2010	18:06:01.189	18:18:34.396	753.20700
GS	81300	07-NOV-2010	17:27:34.154	17:39:04.765	690.61100
MM	81301	07-NOV-2010	19:45:13.460	19:57:55.271	761.81100
MA	81301	07-NOV-2010	18:50:20.597	18:54:34.886	254.28900
JO	81301	07-NOV-2010	20:04:51.776	20:19:04.103	852.32700
MM	81302	07-NOV-2010	21:24:51.742	21:37:32.540	760.79800
MA	81302	07-NOV-2010	20:23:10.873	20:36:57.639	826.76600
JO	81302	07-NOV-2010	21:44:23.702	21:57:46.825	803.12300
HO	81303	07-NOV-2010	22:56:27.378	23:09:45.921	798.54300

[[BACK TO MENU](#)]

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 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

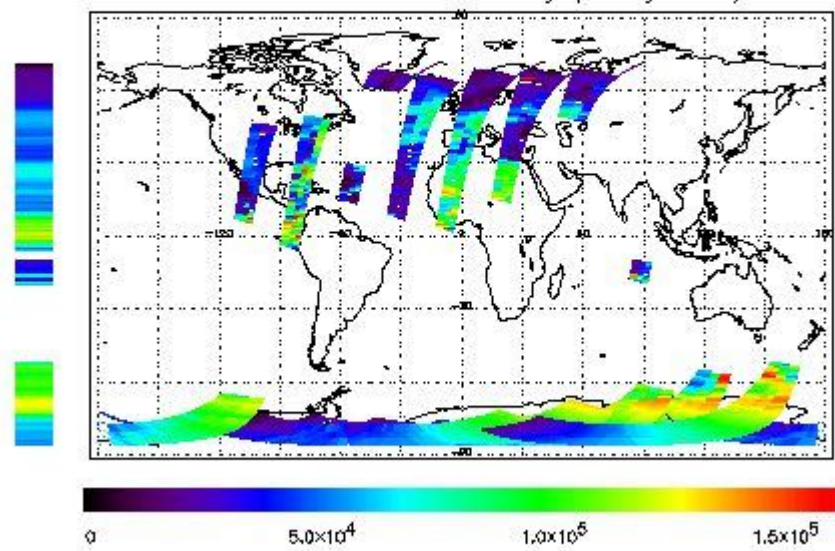
2.2 - Daily Plots

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 : 07-NOV-2010 00:15:17.654 : ORBIT : 81290.0232
 Last Product : 07-NOV-2010 23:20:03.709 : ORBIT : 81303.7884
 Total Products Processed : 16399 Day : 311 Page : 21

778 nm Uncalibrated Intensity (Binary Units)



Ozone Line Ratio

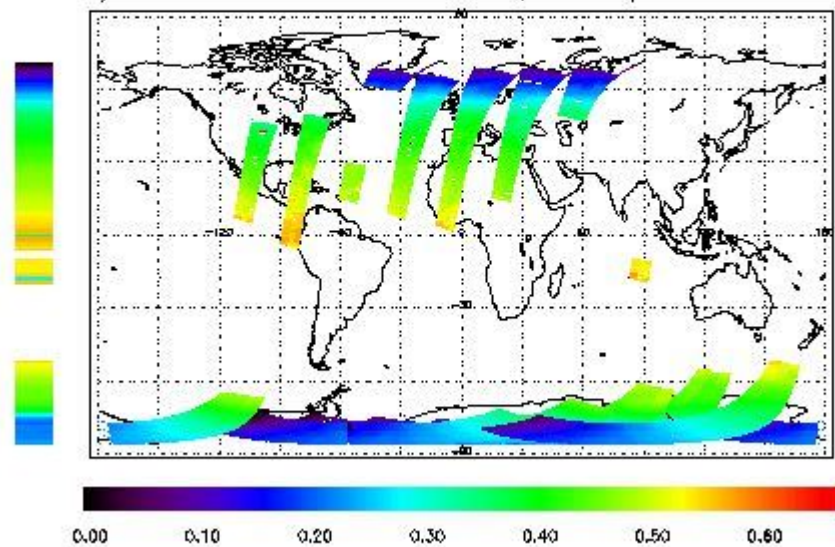
First Product : 07-NOV-2010 00:15:17.654 : ORBIT : 81290.0232

Last Product : 07-NOV-2010 23:20:03.709 : ORBIT : 81303.7884

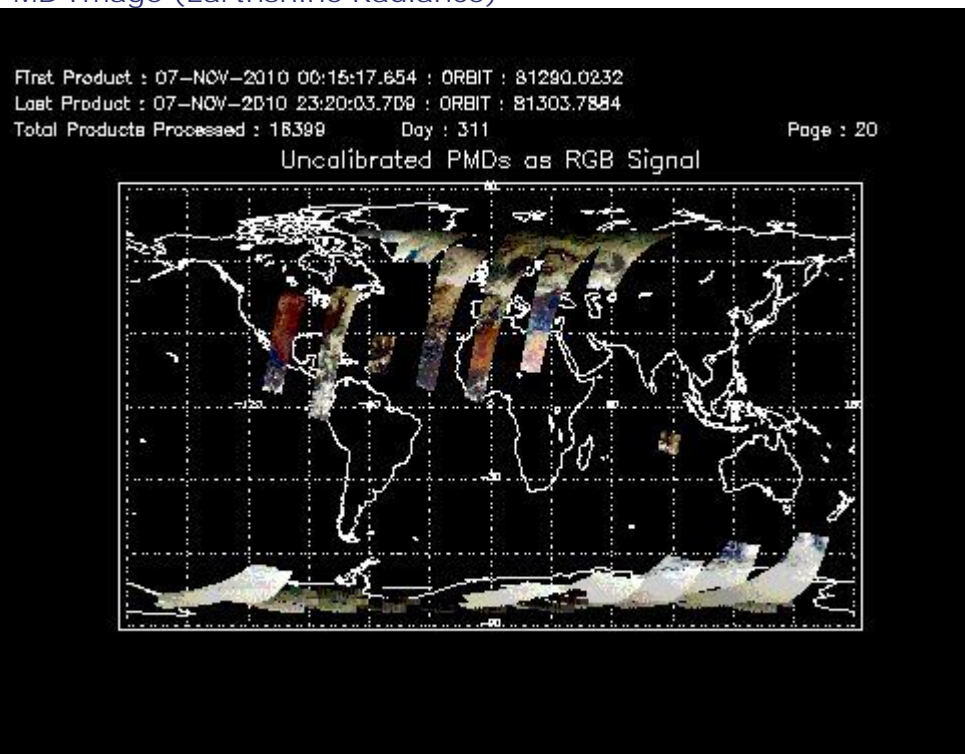
Total Products Processed : 18399 Day : 311

Page : 20

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	12:25:43.165	--	81297	Yes	--	15542

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
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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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[[BACK TO MENU](#)]

(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