

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	12-NOV_2009
Start Time of First Product	23:53:18 (11-Nov)
Stop Time of Last Product	22:41:37
Number of EGOI Products analysed	35
Number of corrupted products	--
Anomalies and/or Special Operations	Nominal Data

1.2 - List of received products

Name	Date	Time
OI_091112BEEP1169.E2;1	12-NOV-2009	02:41:37.502
EGOI_091112BEEP1174.E2	12-NOV-2009	04:22:38.124
EGOI_091112GSEP2880.E2	12-NOV-2009	02:15:11.841
EGOI_091112GSEP2888.E2	12-NOV-2009	03:55:16.960
EGOI_091112GSEP2895.E2	12-NOV-2009	05:37:52.088
EGOI_091112KSEP7803.E2	12-NOV-2009	07:36:01.813
EGOI_091112KSEP7826.E2	12-NOV-2009	09:16:02.427
EGOI_091112KSEP7854.E2	12-NOV-2009	10:55:40.543
EGOI_091112KSEP7887.E2	12-NOV-2009	12:34:59.158

EGOI_091112KSEP7915.E2	12-NOV-2009	14:13:56.765
EGOI_091112KSEP7929.E2	12-NOV-2009	15:51:46.865
EGOI_091112KSEP7959.E2	12-NOV-2009	17:29:42.966
EGOI_091112KSEP7995.E2	12-NOV-2009	19:07:33.069
EGOI_091112KSEP8030.E2	12-NOV-2009	20:47:12.689
EGOI_091112KSEP8061.E2	12-NOV-2009	22:29:14.812
EGOI_091112MAEP5831.E2	12-NOV-2009	09:24:30.982
EGOI_091112MAEP5841.E2	12-NOV-2009	11:03:18.090
EGOI_091112MIEP4213.E2	12-NOV-2009	02:12:52.325
EGOI_091112MIEP4235.E2	12-NOV-2009	03:50:39.432
EGOI_091112MIEP4254.E2	12-NOV-2009	14:33:11.879
EGOI_091112MIEP4280.E2	12-NOV-2009	16:09:57.475
EGOI_091112MIEP4300.E2	12-NOV-2009	17:52:44.611
EGOI_091112MMEP0879.E2	11-NOV-2009	23:53:18.466
EGOI_091112MMEP0888.E2	12-NOV-2009	01:34:55.094
EGOI_091112MMEP0895.E2	12-NOV-2009	05:00:08.355
EGOI_091112MMEP0901.E2	12-NOV-2009	06:42:07.488
EGOI_091112MSEP3896.E2	12-NOV-2009	00:29:54.697
EGOI_091112MSEP3916.E2	12-NOV-2009	11:08:54.126
EGOI_091112MSEP3943.E2	12-NOV-2009	12:48:38.237
EGOI_091112MSEP3975.E2	12-NOV-2009	22:18:16.242
EGOI_091112SGEP1219.E2	12-NOV-2009	02:53:00.072
EGOI_091112SGEP1225.E2	12-NOV-2009	04:32:50.187
EGOI_091112SGEP1233.E2	12-NOV-2009	13:52:38.636
EGOI_091112SGEP1241.E2	12-NOV-2009	15:32:46.751
EGOI_091112SGEP1249.E2	12-NOV-2009	17:12:26.360

[[BACK TO MENU](#)]

1.3 - List of data gaps

Station	Orbit	Date	Start Time	Stop Time	Duration (s)
KS	76141	12-NOV-2009	07:33:58.189	07:36:01.812	123.62300
KS	76142	12-NOV-2009	09:13:32.029	09:16:02.427	150.39800
KS	76143	12-NOV-2009	10:53:08.112	10:55:40.543	152.43100
KS	76144	12-NOV-2009	12:32:28.231	12:34:59.157	150.92600
KS	76145	12-NOV-2009	14:11:20.850	14:13:56.764	155.91400
KS	76146	12-NOV-2009	15:49:13.278	15:51:46.865	153.58700
KS	76147	12-NOV-2009	17:27:07.316	17:29:42.966	155.65000
KS	76148	12-NOV-2009	19:05:19.881	19:07:33.068	133.18700
KS	76149	12-NOV-2009	20:45:13.180	20:47:12.688	119.50800
KS	76150	12-NOV-2009	22:27:14.979	22:29:14.812	119.83300
GS	76138	12-NOV-2009	02:13:44.243	02:15:11.840	87.597000
GS	76139	12-NOV-2009	03:53:12.548	03:55:16.960	124.41200

MS	76137	12-NOV-2009	00:27:59.638	00:29:54.697	115.05900
MS	76143	12-NOV-2009	11:06:16.453	11:08:54.126	157.67300
MS	76144	12-NOV-2009	12:46:07.456	12:48:38.236	150.78000
MS	76150	12-NOV-2009	22:16:13.188	22:18:16.241	123.05300
MS	76151	12-NOV-2009	23:55:18.549	23:57:36.358	137.80900
MA	76142	12-NOV-2009	09:21:42.943	09:24:30.982	168.03900
MA	76143	12-NOV-2009	11:01:59.393	11:03:18.089	78.696000
MI	76138	12-NOV-2009	02:10:33.304	02:12:52.325	139.02100
MI	76139	12-NOV-2009	03:47:33.378	03:50:39.431	186.05300
MI	76145	12-NOV-2009	14:31:02.331	14:33:11.879	129.54800
MI	76146	12-NOV-2009	16:07:36.933	16:09:57.475	140.54200
MI	76147	12-NOV-2009	17:50:36.999	17:52:44.611	127.61200
MM	76136	11-NOV-2009	23:51:33.078	23:53:18.465	105.38700
MM	76137	12-NOV-2009	01:33:31.360	01:34:55.094	83.734000
BE	76138	12-NOV-2009	02:39:03.683	02:41:37.502	153.81900
BE	76139	12-NOV-2009	04:19:03.293	04:22:38.123	214.83000
SG	76138	12-NOV-2009	02:50:32.518	02:53:00.071	147.55300
SG	76138	12-NOV-2009	02:57:10.598	03:03:30.993	380.39500
SG	76139	12-NOV-2009	04:30:32.869	04:32:50.186	137.31700
SG	76139	12-NOV-2009	04:36:08.206	04:41:41.399	333.19300

[\[BACK TO MENU \]](#)

1.4 - List of missing products

Station	Orbit	Date	Start Time	Stop Time	Duration (s)
HO	76137	12-NOV-2009	01:21:35.978	01:34:05.739	749.76100
MM	76138	12-NOV-2009	03:16:24.296	03:23:53.884	449.58800
CM	76138	12-NOV-2009	03:46:34.647	03:58:46.718	732.07100
KS	76140	12-NOV-2009	05:55:25.696	05:59:51.164	265.46800
CM	76140	12-NOV-2009	05:28:48.353	05:35:21.596	393.24300
JO	76140	12-NOV-2009	06:24:28.246	06:31:10.046	401.80000
MM	76141	12-NOV-2009	08:21:56.032	08:30:53.622	537.59000
JO	76141	12-NOV-2009	07:58:43.929	08:13:37.788	893.85900
MM	76142	12-NOV-2009	10:02:14.598	10:13:15.638	661.04000
JO	76142	12-NOV-2009	09:40:13.467	09:51:17.564	664.09700
MM	76143	12-NOV-2009	11:42:18.510	11:54:33.821	735.31100
MM	76144	12-NOV-2009	13:22:08.792	13:34:51.308	762.51600

BE	76145	12-NOV-2009	13:55:39.818	14:09:01.521	801.70300
HO	76145	12-NOV-2009	15:11:46.177	15:20:07.173	500.99600
MM	76145	12-NOV-2009	15:01:43.699	15:14:24.077	760.37800
GS	76145	12-NOV-2009	14:23:23.081	14:33:54.856	631.77500
BE	76146	12-NOV-2009	15:37:19.775	15:47:07.320	587.54500
MM	76146	12-NOV-2009	16:41:02.416	16:53:34.712	752.29600
GS	76146	12-NOV-2009	16:01:44.304	16:15:39.974	835.67000
CM	76146	12-NOV-2009	16:10:29.861	16:22:45.378	735.51700
MM	76147	12-NOV-2009	18:20:10.841	18:32:45.035	754.19400
GS	76147	12-NOV-2009	17:42:00.278	17:52:38.448	638.17000
CM	76147	12-NOV-2009	17:52:06.470	17:58:48.458	401.98800
MM	76148	12-NOV-2009	19:59:25.344	20:12:08.148	762.80400
MA	76148	12-NOV-2009	19:03:23.959	19:08:50.709	326.75000
JO	76148	12-NOV-2009	20:18:50.943	20:33:32.234	881.29100
MM	76149	12-NOV-2009	21:39:09.257	21:51:47.739	758.48200
MA	76149	12-NOV-2009	20:37:14.899	20:50:54.837	819.93800
JO	76149	12-NOV-2009	21:58:56.322	22:11:21.165	744.84300
HO	76150	12-NOV-2009	23:10:12.849	23:24:04.417	831.56800
MM	76150	12-NOV-2009	23:19:43.723	23:31:42.270	718.54700
MA	76150	12-NOV-2009	22:20:27.888	22:29:05.705	517.81700

[[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

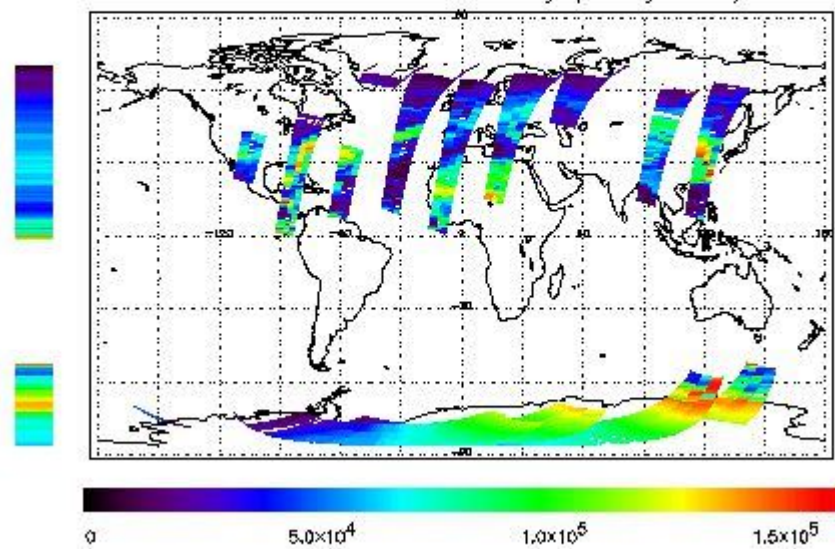
2.2 - Daily Plots

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 : 11-NOV-2009 23:53:18.466 : ORBIT : 76136.6618
 Last Product : 12-NOV-2009 22:41:37.385 : ORBIT : 76150.2635
 Total Products Processed : 15349 Day : 316 Page : 21

778 nm Uncalibrated Intensity (Binary Units)

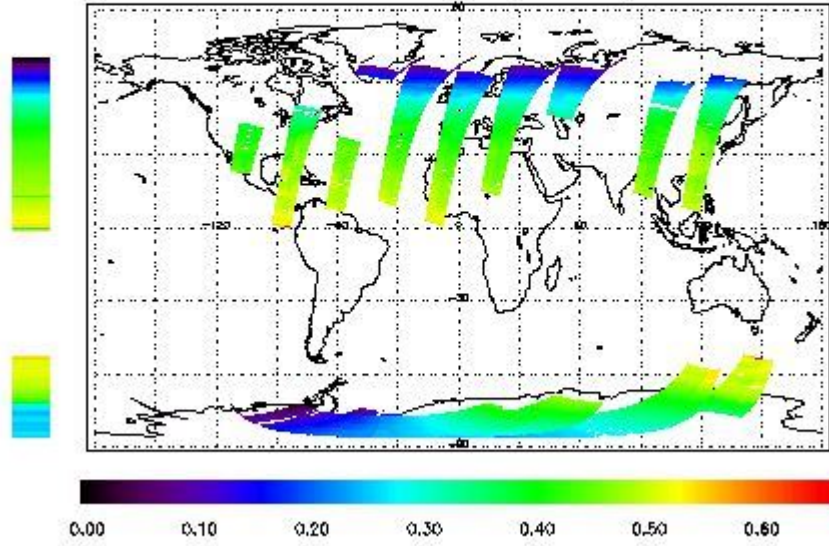


Ozone Line Ratio

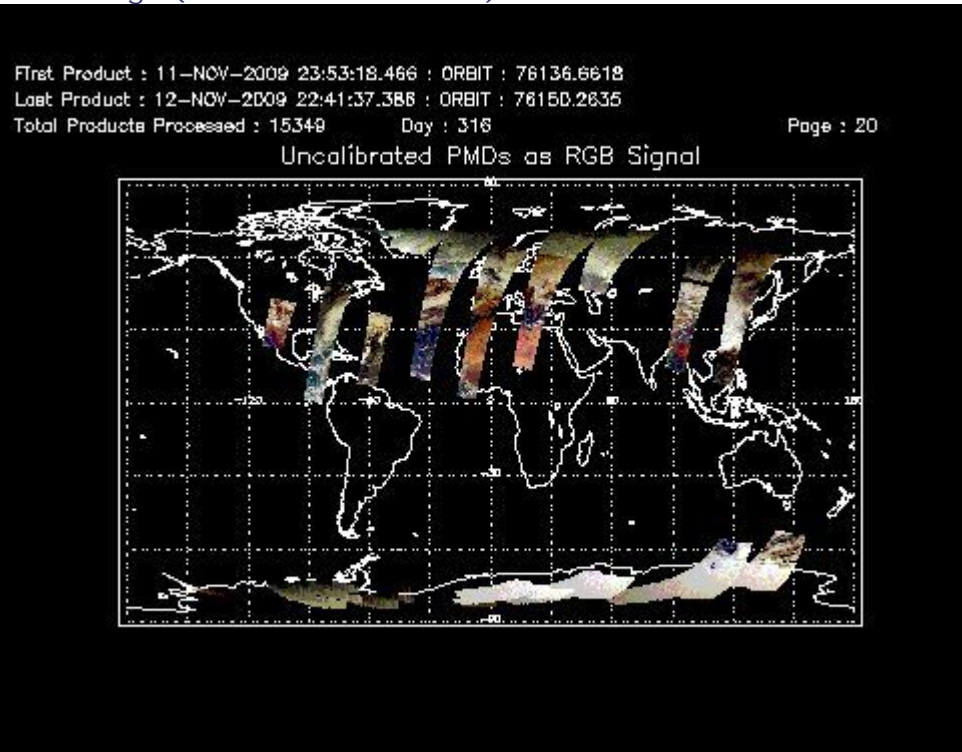
First Product : 11-NOV-2009 23:53:18.466 : ORBIT : 76136.6618
 Last Product : 12-NOV-2009 22:41:37.388 : ORBIT : 76150.2635
 Total Products Processed : 15349 Day : 316

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	11:00:00.060	--	76143	Yes	--	15582

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)
--	--	--	--	--	--	--	--

4 - Instrument Anomalies

4.1 - Single Event Upset (SEU)

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

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
--	--	--	--	--	--	--	--	--

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
--	--	--	--

[[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