

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	03-Nov-2009
Start Time of First Product	00:12:17
Stop Time of Last Product	22:24:33
Number of EGOI Products analysed	31
Number of corrupted products	--
Anomalies and/or Special Operations	Nominal Data

1.2 - List of received products

Name	Date	Time
OI_091103BEEP1091.E2;1	03-NOV-2009	02:24:46.631
EGOI_091103BEEP1097.E2	03-NOV-2009	04:04:24.745
EGOI_091103GSEP2174.E2	03-NOV-2009	01:58:25.474
EGOI_091103GSEP2205.E2	03-NOV-2009	03:37:38.085
EGOI_091103GSEP2215.E2	03-NOV-2009	05:20:28.211
EGOI_091103KSEP5278.E2	03-NOV-2009	07:18:55.942
EGOI_091103KSEP5302.E2	03-NOV-2009	08:58:58.061
EGOI_091103KSEP5327.E2	03-NOV-2009	10:38:37.672
EGOI_091103KSEP5355.E2	03-NOV-2009	12:18:00.779

EGOI_091103KSEP5386.E2	03-NOV-2009	13:56:59.890
EGOI_091103KSEP5414.E2	03-NOV-2009	15:35:12.499
EGOI_091103KSEP5432.E2	03-NOV-2009	17:12:49.094
EGOI_091103KSEP5465.E2	03-NOV-2009	18:50:46.702
EGOI_091103KSEP5500.E2	03-NOV-2009	20:30:05.309
EGOI_091103KSEP5532.E2	03-NOV-2009	22:11:40.437
EGOI_091103MAEP5571.E2	03-NOV-2009	09:06:19.101
EGOI_091103MAEP5581.E2	03-NOV-2009	10:46:09.219
EGOI_091103MIEP3305.E2	03-NOV-2009	01:57:13.466
EGOI_091103MIEP3331.E2	03-NOV-2009	03:34:15.565
EGOI_091103MIEP3351.E2	03-NOV-2009	05:16:47.688
EGOI_091103MIEP3364.E2	03-NOV-2009	14:18:40.525
EGOI_091103MIEP3374.E2	03-NOV-2009	15:53:00.604
EGOI_091103MIEP3395.E2	03-NOV-2009	17:34:19.227
EGOI_091103MSEP2810.E2	03-NOV-2009	00:12:17.319
EGOI_091103MSEP2832.E2	03-NOV-2009	10:52:15.250
EGOI_091103MSEP2860.E2	03-NOV-2009	12:31:24.865
EGOI_091103MSEP2890.E2	03-NOV-2009	22:01:49.374
EGOI_091103SGEP0946.E2	03-NOV-2009	02:36:42.209
EGOI_091103SGEP0954.E2	03-NOV-2009	04:15:03.812
EGOI_091103SGEP0962.E2	03-NOV-2009	15:10:21.342
EGOI_091103SGEP0970.E2	03-NOV-2009	16:52:15.969

[[BACK TO MENU](#)]

1.3 - List of data gaps

Station	Orbit	Date	Start Time	Stop Time	Duration (s)
KS	76012	03-NOV-2009	07:16:56.442	07:18:55.941	119.49900
KS	76013	03-NOV-2009	08:56:27.189	08:58:58.060	150.87100
KS	76014	03-NOV-2009	10:36:04.296	10:38:37.672	153.37600
KS	76015	03-NOV-2009	12:15:28.423	12:18:00.778	152.35500
KS	76016	03-NOV-2009	13:54:22.759	13:56:59.890	157.13100
KS	76017	03-NOV-2009	15:32:27.909	15:35:12.498	164.58900
KS	76018	03-NOV-2009	17:10:11.822	17:12:49.093	157.27100
KS	76019	03-NOV-2009	18:48:22.591	18:50:46.702	144.11100
KS	76020	03-NOV-2009	20:27:57.731	20:30:05.308	127.57700
KS	76021	03-NOV-2009	22:09:34.437	22:11:40.437	126.00000
KS	76022	03-NOV-2009	23:54:12.979	23:55:47.076	94.097000
GS	76009	03-NOV-2009	01:56:38.006	01:58:25.474	107.46800
GS	76010	03-NOV-2009	03:35:44.443	03:37:38.085	113.64200
MS	76008	03-NOV-2009	00:10:01.879	00:12:17.319	135.44000
MS	76014	03-NOV-2009	10:49:36.087	10:52:15.249	159.16200

MS	76015	03-NOV-2009	12:28:44.393	12:31:24.864	160.47100
MS	76021	03-NOV-2009	21:59:54.645	22:01:49.374	114.72900
MS	76022	03-NOV-2009	23:37:51.890	23:40:10.981	139.09100
MA	76014	03-NOV-2009	10:44:09.311	10:46:09.218	119.90700
MI	76009	03-NOV-2009	01:54:59.948	01:57:13.466	133.51800
MI	76010	03-NOV-2009	03:30:25.778	03:34:15.564	229.78600
MI	76011	03-NOV-2009	05:14:50.826	05:16:47.687	116.86100
MI	76017	03-NOV-2009	15:50:36.073	15:53:00.603	144.53000
MI	76018	03-NOV-2009	17:31:58.108	17:34:19.227	141.11900
BE	76009	03-NOV-2009	02:22:10.149	02:24:46.631	156.48200
BE	76010	03-NOV-2009	04:01:44.170	04:04:24.745	160.57500
SG	76009	03-NOV-2009	02:34:07.148	02:36:42.208	155.06000
SG	76010	03-NOV-2009	04:12:53.023	04:15:03.811	130.78800
SG	76016	03-NOV-2009	15:07:55.119	15:10:21.342	146.22300
SG	76017	03-NOV-2009	16:49:34.407	16:52:15.968	161.56100

[[BACK TO MENU](#)]

1.4 - List of missing products

Station	Orbit	Date	Start Time	Stop Time	Duration (s)
HO	76008	03-NOV-2009	01:04:05.914	01:17:23.607	797.69300
MM	76008	03-NOV-2009	01:15:57.999	01:26:09.719	611.72000
MM	76009	03-NOV-2009	02:58:43.655	03:06:37.638	473.98300
CM	76009	03-NOV-2009	03:29:55.331	03:41:30.923	695.59200
MM	76010	03-NOV-2009	04:41:46.740	04:47:44.891	358.15100
CM	76010	03-NOV-2009	05:10:20.859	05:19:38.424	557.56500
MM	76011	03-NOV-2009	06:23:49.564	06:30:10.000	380.43600
MM	76012	03-NOV-2009	08:04:42.248	08:13:15.329	513.08100
JO	76012	03-NOV-2009	07:41:58.240	07:56:28.008	869.76800
MM	76013	03-NOV-2009	09:45:04.007	09:55:47.064	643.05700
JO	76013	03-NOV-2009	09:22:15.033	09:34:58.979	763.94600
HO	76014	03-NOV-2009	11:35:04.121	11:47:07.810	723.68900
MM	76014	03-NOV-2009	11:25:10.208	11:37:16.450	726.24200
HO	76015	03-NOV-2009	13:13:35.145	13:28:24.495	889.35000
MM	76015	03-NOV-2009	13:05:02.919	13:17:43.472	760.55300
HO	76016	03-NOV-2009	14:54:14.776	15:03:43.307	568.53100
MM	76016	03-NOV-2009	14:44:40.603	14:57:22.412	761.80900

GS	76016	03-NOV-2009	14:06:59.371	14:15:41.860	522.48900
BE	76017	03-NOV-2009	15:19:22.551	15:30:37.711	675.16000
MM	76017	03-NOV-2009	16:24:01.953	16:36:35.155	753.20200
GS	76017	03-NOV-2009	15:44:42.444	15:58:35.863	833.41900
CM	76017	03-NOV-2009	15:53:44.695	16:05:26.344	701.64900
MM	76018	03-NOV-2009	18:03:11.264	18:15:44.297	753.03300
GS	76018	03-NOV-2009	17:24:41.279	17:36:21.227	699.94800
CM	76018	03-NOV-2009	17:33:59.121	17:43:12.460	553.33900
MM	76019	03-NOV-2009	19:42:23.147	19:55:04.734	761.58700
MA	76019	03-NOV-2009	18:47:33.289	18:51:43.395	250.10600
JO	76019	03-NOV-2009	20:02:04.650	20:16:09.472	844.82200
MM	76020	03-NOV-2009	21:22:00.358	21:34:41.536	761.17800
MA	76020	03-NOV-2009	20:20:22.742	20:34:10.036	827.29400
JO	76020	03-NOV-2009	21:41:29.918	21:55:02.787	812.86900
HO	76021	03-NOV-2009	22:53:39.236	23:06:53.991	794.75500
MM	76021	03-NOV-2009	23:02:24.952	23:14:33.665	728.71300
MA	76021	03-NOV-2009	22:01:51.331	22:12:40.135	648.80400

[[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

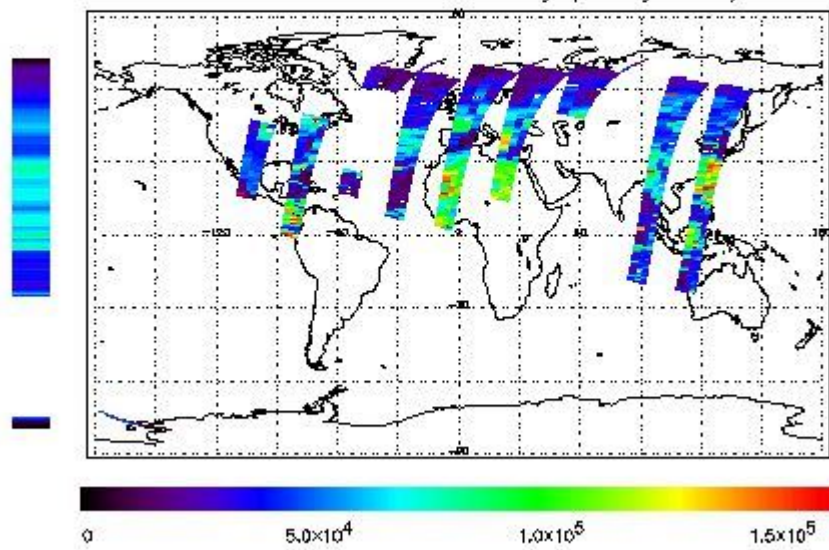
2.2 - Daily Plots

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

Fret Product : 03-NOV-2009 00:12:17.319 : ORBIT : 76008.0219
 Last Product : 03-NOV-2009 22:24:33.019 : ORBIT : 76021.2652
 Total Products Processed : 14953 Day : 307 Page : 21

778 nm Uncalibrated Intensity (Binary Units)

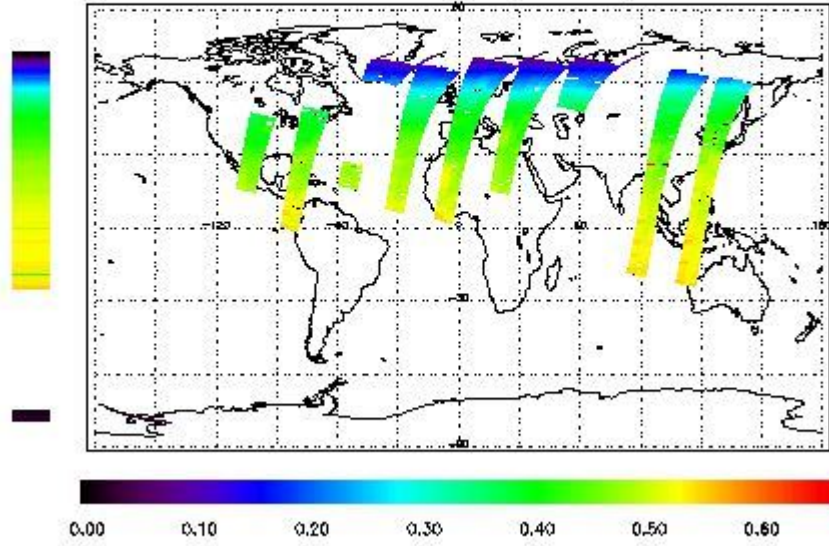


Ozone Line Ratio

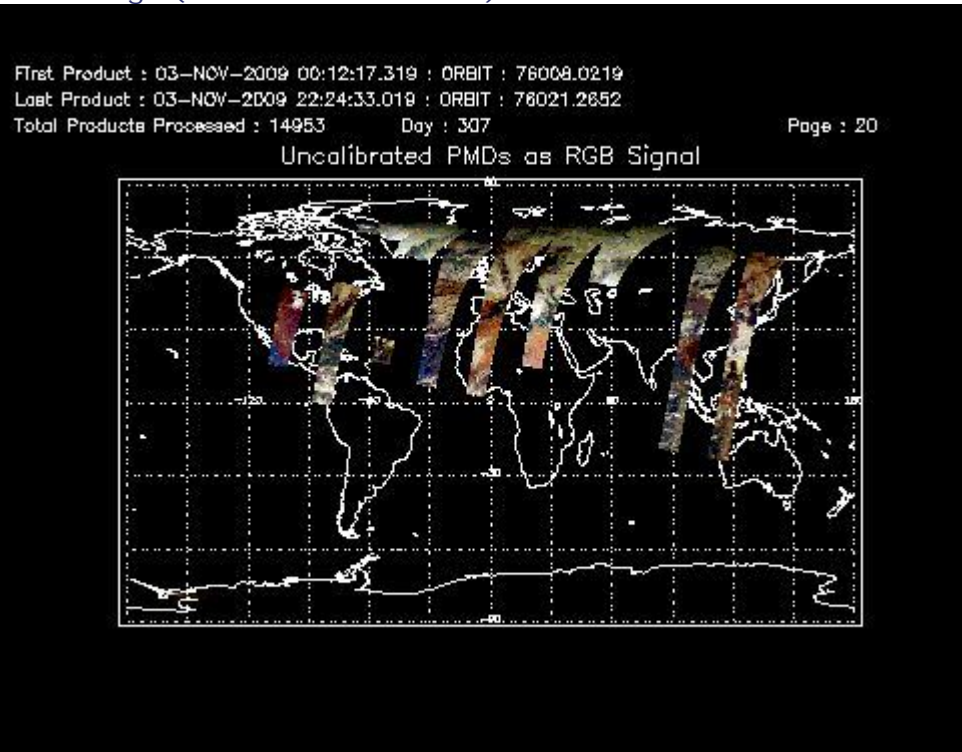
First Product : 03-NOV-2009 00:12:17.319 : ORBIT : 76008.0219
 Last Product : 03-NOV-2009 22:24:33.019 : ORBIT : 76021.2652
 Total Products Processed : 14953 Day : 307

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	12:22:36.810	--	76015	--	--	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)
--	--	--	--	--	--	--	--

[BACK TO MENU]

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

[BACK TO MENU]

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