GOME Daily Report

INDEX

1 - General Info

1.1 - Report Summary

Item	Value
Report Version	GOMEver3_3
Report of Day	24-NOV-2009
Start Time of First Product	00:16;16
Stop Time of Last Product	23:04:20
Number of EGOI Products analysed	36
Number of corrupted products	--
Anomalies and/or Special Operations	Narrow Swath performed as planned, start orbit: 76316

1.2 - List of received products

Name	Date	Time
OI_091124BEEP1254.E2;1	24-NOV-2009	04:45:12.161
EGOI_091124BEEP1261.E2	24-NOV-2009	14:20:55.628
EGOI_091124GSEP3748.E2	24-NOV-2009	01:01:09.271
EGOI_091124GSEP3780.E2	24-NOV-2009	02:37:57.870
EGOI_091124GSEP3789.E2	24-NOV-2009	04:19:04.500
EGOI_091124GSEP3795.E2	24-NOV-2009	06:00:59.132
EGOI_091124KSEP1173.E2	24-NOV-2009	06:19:18.740
EGOI_091124KSEP1203.E2	24-NOV-2009	07:59:08.861
EGOI_091124KSEP1229.E2	24-NOV-2009	09:38:46.980

EGOI_091124KSEP1264.E2	24-NOV-2009	11:18:22.998
EGOI_091124KSEP1291.E2	24-NOV-2009	12:57:35.614
EGOI_091124KSEP1314.E2	24-NOV-2009	14:36:25.722
EGOI_091124KSEP1340.E2	24-NOV-2009	16:14:12.826
EGOI_091124KSEP1373.E2	24-NOV-2009	17:52:11.938
EGOI_091124KSEP1408.E2	24-NOV-2009	19:30:15.542
EGOI_091124KSEP1442.E2	24-NOV-2009	21:10:19.162
EGOI_091124KSEP1464.E2	24-NOV-2009	22:53:13.797
EGOI_091124MAEP6200.E2	24-NOV-2009	09:46:24.527
EGOI_091124MIEP5385.E2	24-NOV-2009	02:34:23.350
EGOI_091124MIEP5413.E2	24-NOV-2009	04:13:47.965
EGOI_091124MIEP5438.E2	24-NOV-2009	14:54:34.835
EGOI_091124MIEP5467.E2	24-NOV-2009	16:32:54.939
EGOI_091124MMEP1219.E2	24-NOV-2009	00:16:16.495
EGOI_091124MMEP1226.E2	24-NOV-2009	01:58:15.623
EGOI_091124MMEP1233.E2	24-NOV-2009	03:41:08.765
EGOI_091124MMEP1244.E2	24-NOV-2009	10:26:36.775
EGOI_091124MMEP1252.E2	24-NOV-2009	12:07:00.796
EGOI_091124MMEP1262.E2	24-NOV-2009	17:05:46.143
EGOI_091124MSEP5339.E2	24-NOV-2009	00:54:21.232
EGOI_091124MSEP5362.E2	24-NOV-2009	11:31:26.076
EGOI_091124MSEP5386.E2	24-NOV-2009	13:12:13.205
EGOI_091124MSEP5414.E2	24-NOV-2009	22:40:24.219
EGOI_091124SGEP1563.E2	24-NOV-2009	03:15:13.105
EGOI_091124SGEP1571.E2	24-NOV-2009	04:56:31.727
EGOI_091124SGEP1578.E2	24-NOV-2009	14:16:39.096
EGOI_091124SGEP1586.E2	24-NOV-2009	15:57:09.724

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1.3 - List of data gaps

Station	Orbit	Date	Start Time	Stop Time	Duration (s)
KS	76312	24-NOV-2009	06:17:38.836	06:19:18.739	99.903000
KS	76313	24-NOV-2009	07:56:42.142	07:59:08.861	146.71900
KS	76314	24-NOV-2009	09:36:18.516	09:38:46.979	148.46300
KS	76315	24-NOV-2009	11:15:52.469	11:18:22.997	150.52800
KS	76316	24-NOV-2009	12:55:06.351	12:57:35.613	149.26200
KS	76317	24-NOV-2009	14:33:51.552	14:36:25.721	154.16900
KS	76318	24-NOV-2009	16:11:32.920	16:14:12.826	159.90600
KS	76319	24-NOV-2009	17:49:27.395	17:52:11.938	164.54300
KS	76320	24-NOV-2009	19:28:00.446	19:30:15.542	135.09600
KS	76321	24-NOV-2009	21:08:19.629	21:10:19.162	119.53300
KS	76322	24-NOV-2009	22:50:57.518	22:53:13.796	136.27800

GS	76309	24-NOV-2009	00:59:22.511	01:01:09.270	106.75900
GS	76310	24-NOV-2009	02:35:44.912	02:37:57.870	132.95800
GS	76311	24-NOV-2009	04:16:47.407	04:19:04.499	137.09200
MS	76315	24-NOV-2009	11:28:48.904	11:31:26.075	157.17100
MS	76316	24-NOV-2009	13:09:38.677	13:12:13.204	154.52700
MS	76322	24-NOV-2009	22:38:18.711	22:40:24.218	125.50700
MA	76314	24-NOV-2009	09:44:21.694	09:46:24.527	122.83300
MI	76310	24-NOV-2009	02:32:00.882	02:34:23.349	142.46700
MI	76311	24-NOV-2009	04:10:42.489	04:13:47.965	185.47600
MI	76317	24-NOV-2009	14:52:15.710	14:54:34.834	139.12400
MI	76318	24-NOV-2009	16:30:29.448	16:32:54.939	145.49100
MM	76308	24-NOV-2009	00:14:45.795	00:16:16.494	90.699000
MM	76309	24-NOV-2009	01:56:58.466	01:58:15.622	77.156000
MM	76310	24-NOV-2009	03:39:58.874	03:41:08.764	69.890000
MM	76314	24-NOV-2009	10:25:08.086	10:26:36.774	88.688000
MM	76315	24-NOV-2009	12:05:08.969	12:07:00.796	111.82700
MM	76318	24-NOV-2009	17:03:42.544	17:05:46.142	123.59800
BE	76311	24-NOV-2009	04:42:19.349	04:45:12.160	172.81100
BE	76317	24-NOV-2009	14:18:21.871	14:20:55.627	153.75600
BE	76317	24-NOV-2009	14:23:24.143	14:31:44.318	500.17500
SG	76310	24-NOV-2009	03:12:48.617	03:15:13.104	144.48700
SG	76310	24-NOV-2009	03:20:14.636	03:26:33.744	379.10800
SG	76311	24-NOV-2009	04:54:46.130	04:56:31.726	105.59600

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1.4 - List of missing products

Station	Orbit	Date	Start Time	Stop Time	Duration (s)
HO	76308	24-NOV-2009	00:03:36.681	00:18:10.305	873.62400
HO	76309	24-NOV-2009	01:45:47.490	01:56:09.932	622.44200
BE	76310	24-NOV-2009	03:01:42.568	03:15:07.688	805.12000
CM	76310	24-NOV-2009	02:34:54.762	02:38:21.305	206.54300
CM	76310	24-NOV-2009	04:09:07.664	04:21:32.309	744.64500
MM	76311	24-NOV-2009	05:22:46.471	05:28:32.955	346.48400
MM	76312	24-NOV-2009	07:04:16.430	07:11:24.345	427.91500
JO	76312	24-NOV-2009	06:44:57.803	06:55:21.825	624.02200
MM	76313	24-NOV-2009	08:44:53.315	08:54:22.571	569.25600

MA	76313	24-NOV-2009	08:06:33.523	08:16:14.156	580.63300
JO	76313	24-NOV-2009	08:21:20.668	08:36:21.353	900.68500
JO	76314	24-NOV-2009	10:05:02.946	10:12:16.294	433.34800
MA	76315	24-NOV-2009	11:25:28.499	11:33:40.288	491.78900
MM	76316	24-NOV-2009	13:44:55.916	13:57:39.709	763.79300
MM	76317	24-NOV-2009	15:24:27.058	15:37:05.309	758.25100
GS	76317	24-NOV-2009	14:45:34.826	14:56:23.625	648.79900
CM	76317	24-NOV-2009	14:58:35.378	15:01:02.734	147.35600
BE	76318	24-NOV-2009	16:02:00.164	16:08:31.294	391.13000
GS	76318	24-NOV-2009	16:24:31.018	16:38:13.528	822.51000
CM	76318	24-NOV-2009	16:33:06.538	16:45:30.047	743.50900
MM	76319	24-NOV-2009	18:42:50.537	18:55:26.639	756.10200
GS	76319	24-NOV-2009	18:05:14.209	18:14:04.352	530.14300
JO	76319	24-NOV-2009	19:05:16.277	19:12:58.634	462.35700
MM	76320	24-NOV-2009	20:22:09.643	20:34:53.473	763.83000
MA	76320	24-NOV-2009	19:24:22.865	19:33:29.826	546.96100
JO	76320	24-NOV-2009	20:41:24.194	20:56:25.440	901.24600
HO	76321	24-NOV-2009	21:56:39.674	22:06:24.230	584.55600
MM	76321	24-NOV-2009	22:02:03.480	22:14:36.687	753.20700
MA	76321	24-NOV-2009	21:00:04.103	21:13:37.210	813.10700
JO	76321	24-NOV-2009	22:22:29.864	22:32:38.839	608.97500
HO	76322	24-NOV-2009	23:32:31.284	23:46:53.393	862.10900
MM	76322	24-NOV-2009	23:42:51.703	23:54:34.334	702.63100
MA	76322	24-NOV-2009	22:45:40.979	22:50:13.002	272.02300

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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

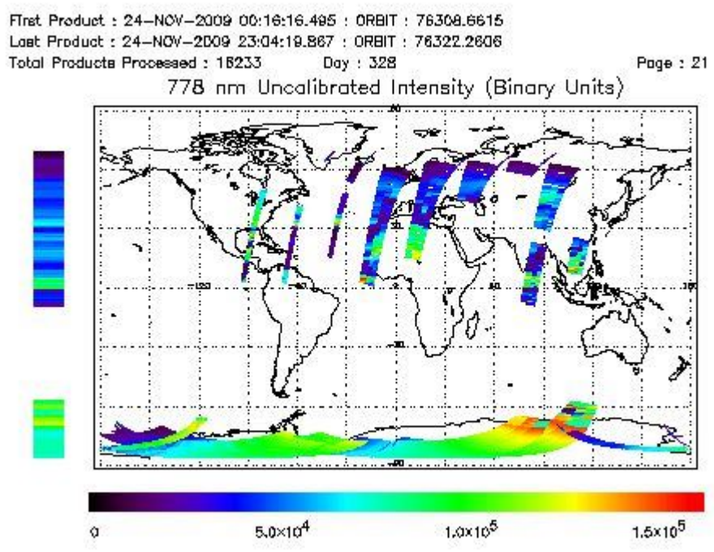
Indicator	Value
MPH Product Confidence	OK
SPH Product Confidence	OK
Command Word Echo Summary	OK
Instrument Status 1A	OK
Instrument Status 1B	OK
Instrument Status 2	OK

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	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

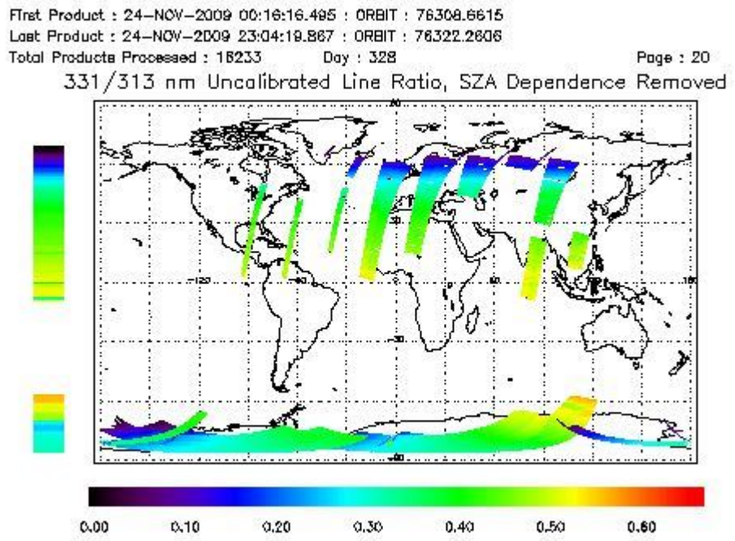
2.2 - Daily Plots

The images linked below provide a quick check on the data coverage and instrument performance. All data are UNCALIBRATED. For the explaination see the GOME Performance Legend

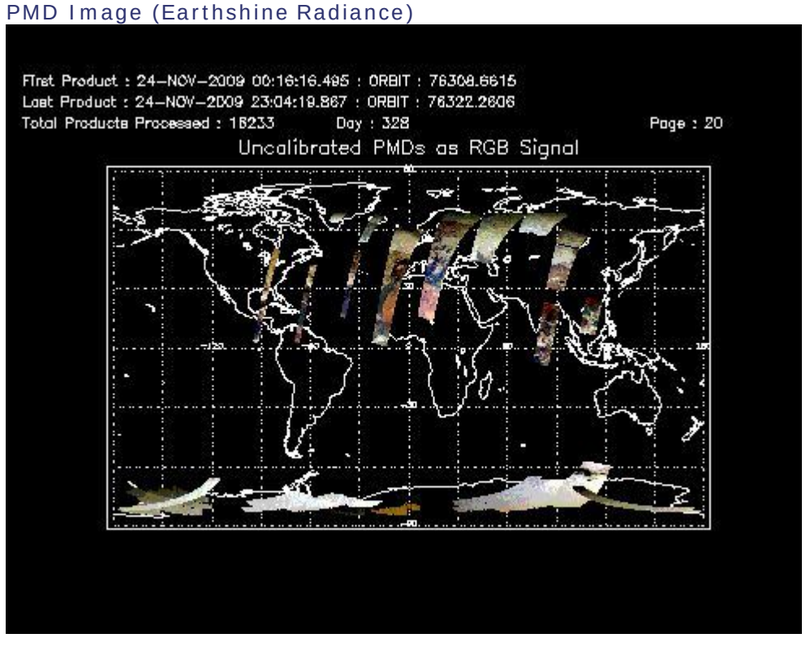
NEAR IR Intensity



Ozone Line Ratio



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	11:23:47.029	--	6315	Yes	--	15711

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
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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
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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
--	--	--	--	--

5.5 - Narrow Swath Timeline

Start Time	End Time	Start Orbit	End Orbit
12:30	--	76316	--

5.6 - **Seasonal Operations**

Start Time	End Time	Start Orbit	End Orbit
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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