GOME Daily Report

INDEX

1 - General Info

1.1 - Report Summary

Item	Value
Report Version	GOMEver3_3
Report of Day	27-DEC-2009
Start Time of First Product	00:15:10
Stop Time of Last Product	23:19:59
Number of EGOI Products analysed	40
Number of corrupted products	--
Anomalies and/or Special Operations	Nominal Data

1.2 - List of received products

Name	Date	Time
OI_091227BEEP1468.E2;1	27-DEC-2009	02:27:30.242
EGOI_091227BEEP1474.E2	27-DEC-2009	04:07:02.357
EGOI_091227GSEP6159.E2	27-DEC-2009	02:01:09.077
EGOI_091227GSEP6190.E2	27-DEC-2009	03:40:32.192
EGOI_091227GSEP6198.E2	27-DEC-2009	05:23:20.827
EGOI_091227KSEP0861.E2	27-DEC-2009	07:21:39.555
EGOI_091227KSEP0883.E2	27-DEC-2009	09:01:40.170
EGOI_091227KSEP0908.E2	27-DEC-2009	10:41:21.300
EGOI_091227KSEP0939.E2	27-DEC-2009	12:20:42.916

EGOI_091227KSEP0970.E2	27-DEC-2009	13:59:40.528
EGOI_091227KSEP0998.E2	27-DEC-2009	15:37:51.636
EGOI_091227KSEP1028.E2	27-DEC-2009	17:15:31.236
EGOI_091227KSEP1063.E2	27-DEC-2009	18:53:25.840
EGOI_091227KSEP1098.E2	27-DEC-2009	20:32:42.957
EGOI_091227KSEP1129.E2	27-DEC-2009	22:14:28.585
EGOI_091227MAEP7283.E2	27-DEC-2009	09:08:55.221
EGOI_091227MAEP7292.E2	27-DEC-2009	10:48:51.343
EGOI_091227MIEP8643.E2	27-DEC-2009	01:59:40.570
EGOI_091227MIEP8670.E2	27-DEC-2009	03:36:06.669
EGOI_091227MIEP8689.E2	27-DEC-2009	05:20:01.307
EGOI_091227MIEP8704.E2	27-DEC-2009	14:20:42.157
EGOI_091227MIEP8714.E2	27-DEC-2009	15:55:44.246
EGOI_091227MIEP8734.E2	27-DEC-2009	17:37:08.874
EGOI_091227MMEP2311.E2	27-DEC-2009	01:20:13.327
EGOI_091227MMEP2318.E2	27-DEC-2009	03:02:42.461
EGOI_091227MMEP2326.E2	27-DEC-2009	04:45:25.092
EGOI_091227MMEP2333.E2	27-DEC-2009	06:27:31.726
EGOI_091227MMEP2343.E2	27-DEC-2009	09:49:17.974
EGOI_091227MMEP2349.E2	27-DEC-2009	11:29:33.595
EGOI_091227MMEP2361.E2	27-DEC-2009	16:28:38.451
EGOI_091227MMEP2368.E2	27-DEC-2009	19:47:17.175
EGOI_091227MMEP2379.E2	27-DEC-2009	23:06:51.406
EGOI_091227MSEP9221.E2	27-DEC-2009	00:15:09.927
EGOI_091227MSEP9243.E2	27-DEC-2009	10:54:43.883
EGOI_091227MSEP9271.E2	27-DEC-2009	12:34:08.494
EGOI_091227MSEP9301.E2	27-DEC-2009	22:04:31.522
EGOI_091227SGEP2468.E2	27-DEC-2009	02:39:00.316
EGOI_091227SGEP2474.E2	27-DEC-2009	04:17:51.919
EGOI_091227SGEP2482.E2	27-DEC-2009	15:12:55.980
EGOI_091227SGEP2490.E2	27-DEC-2009	16:55:08.611

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1.3 - List of data gaps

Station	Orbit	Date	Start Time	Stop Time	Duration (s)
KS	76785	27-DEC-2009	07:19:46.641	07:21:39.554	112.91300
KS	76786	27-DEC-2009	08:59:17.990	09:01:40.169	142.17900
KS	76787	27-DEC-2009	10:38:54.961	10:41:21.300	146.33900
KS	76788	27-DEC-2009	12:18:18.458	12:20:42.915	144.45700
KS	76789	27-DEC-2009	13:57:12.506	13:59:40.528	148.02200
KS	76790	27-DEC-2009	15:35:15.523	15:37:51.636	156.11300
KS	76791	27-DEC-2009	17:13:03.623	17:15:31.236	147.61300
KS	76792	27-DEC-2009	18:51:11.963	18:53:25.840	133.87700

KS	76793	27-DEC-2009	20:30:50.055	20:32:42.957	112.90200
KS	76794	27-DEC-2009	22:12:30.839	22:14:28.585	117.74600
KS	76795	27-DEC-2009	23:57:17.099	23:59:00.733	103.63400
GS	76782	27-DEC-2009	01:59:24.255	02:01:09.076	104.82100
GS	76783	27-DEC-2009	03:38:38.444	03:40:32.191	113.74700
MS	76781	27-DEC-2009	00:12:59.990	00:15:09.927	129.93700
MS	76787	27-DEC-2009	10:52:20.010	10:54:43.883	143.87300
MS	76788	27-DEC-2009	12:31:36.406	12:34:08.494	152.08800
MS	76794	27-DEC-2009	22:02:36.663	22:04:31.522	114.85900
MS	76795	27-DEC-2009	23:40:45.437	23:42:56.130	130.69300
MA	76786	27-DEC-2009	09:07:51.893	09:08:55.220	63.327000
MA	76787	27-DEC-2009	10:47:02.172	10:48:51.343	109.17100
MI	76782	27-DEC-2009	01:57:32.478	01:59:40.570	128.09200
MI	76783	27-DEC-2009	03:33:16.253	03:36:06.668	170.41500
MI	76784	27-DEC-2009	05:18:28.212	05:20:01.307	93.095000
MI	76789	27-DEC-2009	14:19:11.822	14:20:42.156	90.334000
MI	76790	27-DEC-2009	15:53:25.702	15:55:44.246	138.54400
MI	76791	27-DEC-2009	17:34:59.822	17:37:08.873	129.05100
MM	76781	27-DEC-2009	01:18:53.436	01:20:13.326	79.890000
MM	76782	27-DEC-2009	03:01:40.393	03:02:42.460	62.067000
MM	76786	27-DEC-2009	09:47:55.803	09:49:17.973	82.170000
MM	76787	27-DEC-2009	11:28:01.620	11:29:33.595	91.975000
MM	76790	27-DEC-2009	16:26:52.054	16:28:38.450	106.39600
MM	76792	27-DEC-2009	19:45:13.458	19:47:17.175	123.71700
MM	76794	27-DEC-2009	23:05:17.952	23:06:51.405	93.453000
BE	76782	27-DEC-2009	02:24:58.689	02:27:30.242	151.55300
BE	76783	27-DEC-2009	04:04:36.984	04:07:02.356	145.37200
SG	76782	27-DEC-2009	02:36:50.174	02:39:00.316	130.14200
SG	76783	27-DEC-2009	04:15:48.464	04:17:51.918	123.45400
SG	76789	27-DEC-2009	15:10:43.199	15:12:55.980	132.78100
SG	76790	27-DEC-2009	16:52:40.112	16:55:08.611	148.49900

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1.4 - List of missing products

Station	Orbit	Date	Start Time	Stop Time	Duration (s)
HO	76781	27-DEC-2009	01:06:59.627	01:20:11.187	791.56000

CM	76782	27-DEC-2009	03:32:40.890	03:44:24.302	703.41200
CM	76783	27-DEC-2009	05:13:22.241	05:22:18.676	536.43500
MM	76785	27-DEC-2009	08:07:34.600	08:16:11.795	517.19500
JO	76785	27-DEC-2009	07:44:45.124	07:59:20.070	874.94600
JO	76786	27-DEC-2009	09:25:13.314	09:37:43.294	749.98000
MM	76788	27-DEC-2009	13:07:53.929	13:20:34.874	760.94500
HO	76789	27-DEC-2009	14:57:09.857	15:06:27.820	557.96300
MM	76789	27-DEC-2009	14:47:31.153	15:00:12.739	761.58600
GS	76789	27-DEC-2009	14:09:41.974	14:18:45.793	543.81900
SG	76789	27-DEC-2009	15:10:43.199	15:24:27.419	824.22000
BE	76790	27-DEC-2009	15:22:20.786	15:33:23.581	662.79500
GS	76790	27-DEC-2009	15:47:32.552	16:01:27.093	834.54100
CM	76790	27-DEC-2009	15:56:31.394	16:08:20.522	709.12800
MM	76791	27-DEC-2009	18:06:01.187	18:18:34.394	753.20700
GS	76791	27-DEC-2009	17:27:34.152	17:39:04.763	690.61100
CM	76791	27-DEC-2009	17:36:57.919	17:45:51.224	533.30500
MA	76792	27-DEC-2009	18:50:20.595	18:54:34.884	254.28900
JO	76792	27-DEC-2009	20:04:51.774	20:19:04.101	852.32700
MM	76793	27-DEC-2009	21:24:51.741	21:37:32.539	760.79800
MA	76793	27-DEC-2009	20:23:10.872	20:36:57.638	826.76600
JO	76793	27-DEC-2009	21:44:23.701	21:57:46.824	803.12300
HO	76794	27-DEC-2009	22:56:27.377	23:09:45.920	798.54300
MA	76794	27-DEC-2009	22:05:21.921	22:15:25.498	603.57700

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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

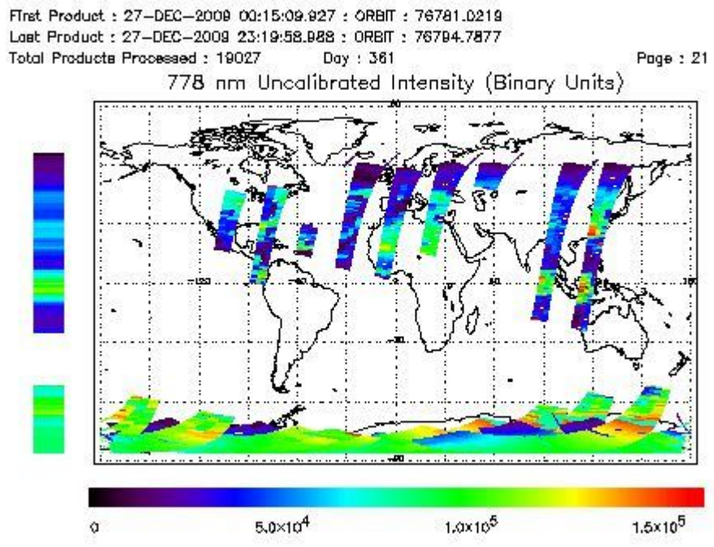
Indicator	Value
MPH Product Confidence	OK
SPH Product Confidence	OK
Command Word Echo Summary	OK
Instrument Status 1A	OK
Instrument Status 1B	OK
Instrument Status 2	OK
Integration Times Channel 1	OK

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

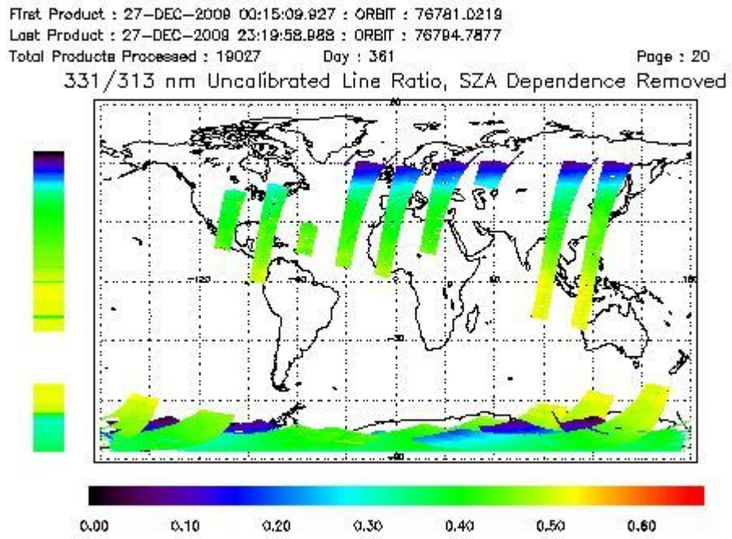
2.2 - Daily Plots

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

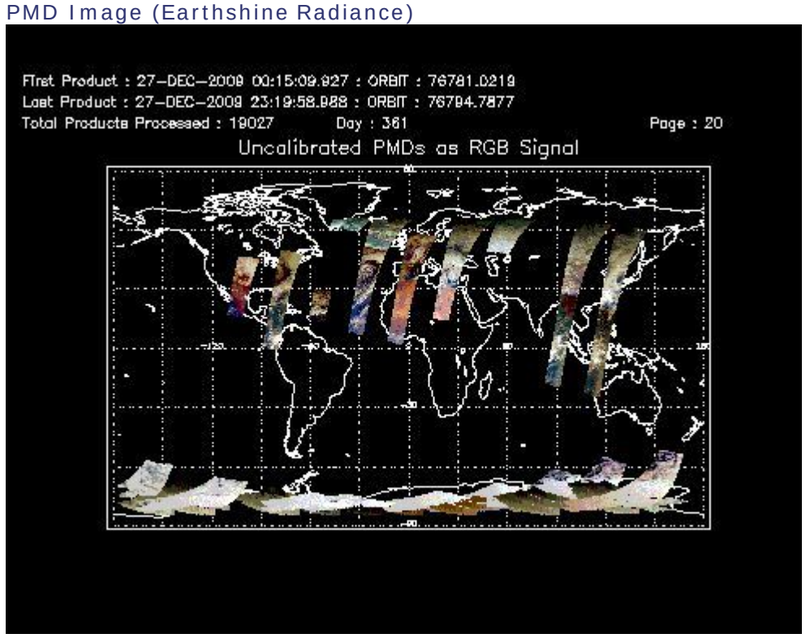
NEAR IR Intensity



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	10:47:09.330	--	76787	Yes	--	15862

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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(1)

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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
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5.3 - Power Cycle

Start Time	End Time	Start Orbit	End Orbit	Ground Station Visibility
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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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(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