GOME Daily Report

INDEX

1 - General Info

1.1 - Report Summary

Item	Value
Report Version	GOMEver3_3
Report of Day	08-DEC-2009
Start Time of First Product	00:12:09
Stop Time of Last Product	23:53:30
Number of EGOI Products analysed	30
Number of corrupted products	--
Anomalies and/or Special Operations	No Solar Calibration measurements available due to the execution of an ERS-2 orbit manoeuvre

1.2 - List of received products

Name	Date	Time
OI_091208BEEP1338.E2;1	08-DEC-2009	02:24:41.742
EGOI_091208CMEP5483.E2	08-DEC-2009	03:31:49.657
EGOI_091208GSEP4752.E2	08-DEC-2009	01:58:20.582
EGOI_091208GSEP4783.E2	08-DEC-2009	03:37:28.689
EGOI_091208GSEP4793.E2	08-DEC-2009	05:20:21.827
EGOI_091208KSEP5368.E2	08-DEC-2009	07:18:51.067
EGOI_091208KSEP5391.E2	08-DEC-2009	08:58:50.179
EGOI_091208KSEP5417.E2	08-DEC-2009	10:38:31.301
EGOI_091208KSEP5443.E2	08-DEC-2009	12:17:54.418

EGOI_091208KSEP5473.E2	08-DEC-2009	13:56:52.026
EGOI_091208KSEP5502.E2	08-DEC-2009	15:35:07.634
EGOI_091208KSEP5534.E2	08-DEC-2009	17:12:42.737
EGOI_091208KSEP5570.E2	08-DEC-2009	18:50:40.349
EGOI_091208KSEP5604.E2	08-DEC-2009	20:29:52.966
EGOI_091208KSEP5635.E2	08-DEC-2009	22:11:31.093
EGOI_091208MAEP6661.E2	08-DEC-2009	09:06:08.230
EGOI_091208MAEP6674.E2	08-DEC-2009	10:46:01.345
EGOI_091208MAEP6695.E2	08-DEC-2009	22:03:37.046
EGOI_091208MIEP6765.E2	08-DEC-2009	01:57:11.574
EGOI_091208MIEP6792.E2	08-DEC-2009	03:33:45.165
EGOI_091208MIEP6812.E2	08-DEC-2009	05:16:39.804
EGOI_091208MIEP6825.E2	08-DEC-2009	14:18:34.159
EGOI_091208MIEP6835.E2	08-DEC-2009	15:52:55.748
EGOI_091208MIEP6850.E2	08-DEC-2009	17:34:12.874
EGOI_091208MSEP6979.E2	08-DEC-2009	00:12:09.419
EGOI_091208MSEP7006.E2	08-DEC-2009	10:52:07.380
EGOI_091208MSEP7034.E2	08-DEC-2009	12:31:18.496
EGOI_091208MSEP7062.E2	08-DEC-2009	22:01:43.034
EGOI_091208MSEP7093.E2	08-DEC-2009	23:40:03.140
EGOI_091208SGEP1932.E2	08-DEC-2009	02:44:59.864

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1.3 - List of data gaps

Station	Orbit	Date	Start Time	Stop Time	Duration (s)
KS	76513	08-DEC-2009	07:16:56.442	07:18:51.066	114.62400
KS	76514	08-DEC-2009	08:56:27.189	08:58:50.179	142.99000
KS	76515	08-DEC-2009	10:36:04.297	10:38:31.301	147.00400
KS	76516	08-DEC-2009	12:15:28.423	12:17:54.417	145.99400
KS	76517	08-DEC-2009	13:54:22.759	13:56:52.025	149.26600
KS	76518	08-DEC-2009	15:32:27.909	15:35:07.634	159.72500
KS	76519	08-DEC-2009	17:10:11.822	17:12:42.737	150.91500
KS	76520	08-DEC-2009	18:48:22.591	18:50:40.349	137.75800
KS	76521	08-DEC-2009	20:27:57.731	20:29:52.965	115.23400
KS	76522	08-DEC-2009	22:09:34.438	22:11:31.092	116.65400
KS	76523	08-DEC-2009	23:54:12.979	23:55:39.238	86.259000
GS	76510	08-DEC-2009	01:56:38.006	01:58:20.582	102.57600
GS	76511	08-DEC-2009	03:35:44.443	03:37:28.688	104.24500
MS	76509	08-DEC-2009	00:10:01.879	00:12:09.418	127.53900
MS	76515	08-DEC-2009	10:49:36.088	10:52:07.380	151.29200
MS	76516	08-DEC-2009	12:28:44.393	12:31:18.495	154.10200

MS	76522	08-DEC-2009	21:59:54.646	22:01:43.034	108.38800
MS	76523	08-DEC-2009	23:37:51.890	23:40:03.139	131.24900
MA	76515	08-DEC-2009	10:44:09.312	10:46:01.344	112.03200
MA	76522	08-DEC-2009	22:01:51.332	22:03:37.045	105.71300
MI	76510	08-DEC-2009	01:54:59.948	01:57:11.573	131.62500
MI	76511	08-DEC-2009	03:30:25.778	03:33:45.164	199.38600
MI	76512	08-DEC-2009	05:14:50.826	05:16:39.803	108.97700
MI	76518	08-DEC-2009	15:50:36.073	15:52:55.748	139.67500
MI	76519	08-DEC-2009	17:31:58.108	17:34:12.874	134.76600
BE	76510	08-DEC-2009	02:22:10.149	02:24:41.741	151.59200
SG	76510	08-DEC-2009	02:34:07.148	02:44:59.863	652.71500

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1.4 - List of missing products

Station	Orbit	Date	Start Time	Stop Time	Duration (s)
HO	76509	08-DEC-2009	01:04:05.914	01:17:23.607	797.69300
MM	76509	08-DEC-2009	01:15:57.999	01:26:09.719	611.72000
MM	76510	08-DEC-2009	02:58:43.655	03:06:37.638	473.98300
BE	76511	08-DEC-2009	04:01:44.170	04:13:48.623	724.45300
MM	76511	08-DEC-2009	04:41:46.740	04:47:44.891	358.15100
SG	76511	08-DEC-2009	04:12:53.023	04:25:24.806	751.78300
CM	76511	08-DEC-2009	05:10:20.859	05:19:38.424	557.56500
MM	76512	08-DEC-2009	06:23:49.564	06:30:10.000	380.43600
MM	76513	08-DEC-2009	08:04:42.248	08:13:15.329	513.08100
JO	76513	08-DEC-2009	07:41:58.240	07:56:28.008	869.76800
MM	76514	08-DEC-2009	09:45:04.007	09:55:47.064	643.05700
JO	76514	08-DEC-2009	09:22:15.033	09:34:58.979	763.94600
HO	76515	08-DEC-2009	11:35:04.122	11:47:07.811	723.68900
MM	76515	08-DEC-2009	11:25:10.209	11:37:16.451	726.24200
HO	76516	08-DEC-2009	13:13:35.145	13:28:24.495	889.35000
MM	76516	08-DEC-2009	13:05:02.919	13:17:43.472	760.55300
HO	76517	08-DEC-2009	14:54:14.776	15:03:43.307	568.53100
MM	76517	08-DEC-2009	14:44:40.603	14:57:22.412	761.80900
GS	76517	08-DEC-2009	14:06:59.371	14:15:41.860	522.48900
SG	76517	08-DEC-2009	15:07:55.119	15:21:35.689	820.57000
BE	76518	08-DEC-2009	15:19:22.551	15:30:37.711	675.16000

MM	76518	08-DEC-2009	16:24:01.953	16:36:35.155	753.20200
GS	76518	08-DEC-2009	15:44:42.444	15:58:35.863	833.41900
SG	76518	08-DEC-2009	16:49:34.407	16:58:07.059	512.65200
CM	76518	08-DEC-2009	15:53:44.695	16:05:26.344	701.64900
MM	76519	08-DEC-2009	18:03:11.264	18:15:44.297	753.03300
GS	76519	08-DEC-2009	17:24:41.279	17:36:21.227	699.94800
CM	76519	08-DEC-2009	17:33:59.121	17:43:12.460	553.33900
MM	76520	08-DEC-2009	19:42:23.147	19:55:04.734	761.58700
MA	76520	08-DEC-2009	18:47:33.289	18:51:43.395	250.10600
JO	76520	08-DEC-2009	20:02:04.650	20:16:09.472	844.82200
MM	76521	08-DEC-2009	21:22:00.358	21:34:41.536	761.17800
MA	76521	08-DEC-2009	20:20:22.742	20:34:10.036	827.29400
JO	76521	08-DEC-2009	21:41:29.918	21:55:02.787	812.86900
HO	76522	08-DEC-2009	22:53:39.237	23:06:53.992	794.75500
MM	76522	08-DEC-2009	23:02:24.953	23:14:33.666	728.71300

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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

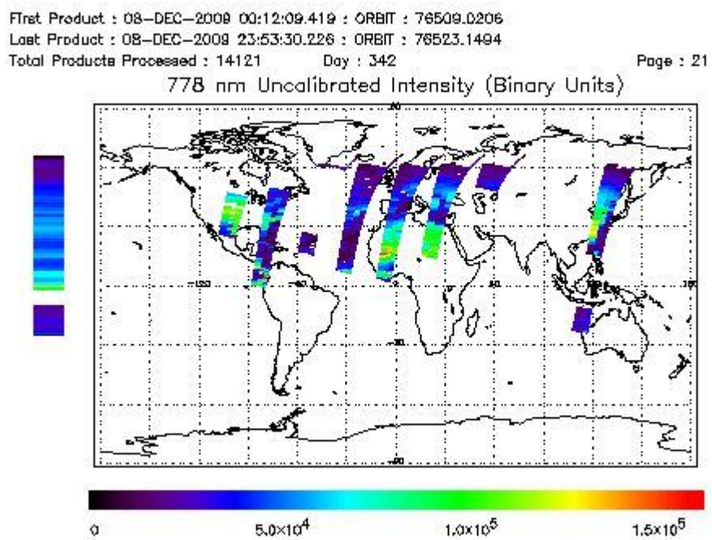
Indicator	Value
MPH Product Confidence	OK
SPH Product Confidence	OK
Command Word Echo Summary	OK
Instrument Status 1A	OK
Instrument Status 1B	OK
Instrument Status 2	OK
Integration Times Channel 1	OK
Co-Adding and Cluster Mode Flags	OK
Integration Times Band 2A	OK
Integration Times Band 2B	OK
Integration 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

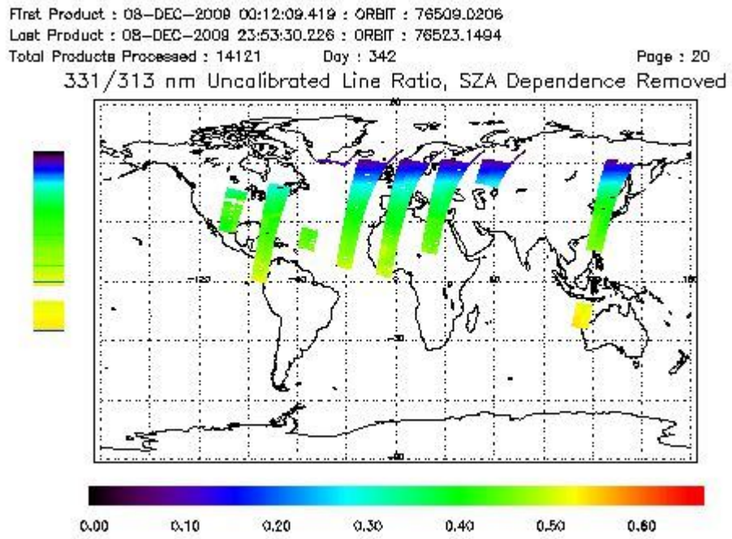
2.2 - Daily Plots

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

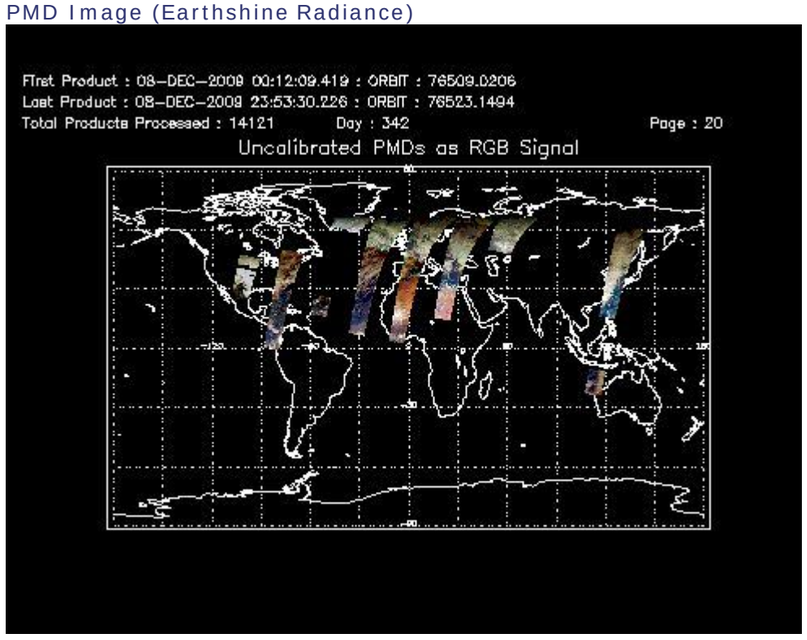
NEAR IR Intensity



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)
--	--	--	--	Yes	--	--

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
--	--	--

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