GOME Daily Report

INDEX

1 - General Info

1.1 - Report Summary

Item	Value
Report Version	GOMEver3_3
Report of Day	24-DEC-2009
Start Time of First Product	00:09:11
Stop Time of Last Product	23:50:40
Number of EGOI Products analysed	27
Number of corrupted products	--
Anomalies and/or Special Operations	Narrow Swath performed as planned, start orbit: 76746

1.2 - List of received products

Name	Date	Time
OI_091224GSEP5912.E2;1	24-DEC-2009	01:55:34.412
EGOI_091224GSEP5943.E2	24-DEC-2009	03:34:35.027
EGOI_091224GSEP5951.E2	24-DEC-2009	05:17:35.658
EGOI_091224KSEP0016.E2	24-DEC-2009	08:55:59.505
EGOI_091224KSEP0040.E2	24-DEC-2009	10:35:39.126
EGOI_091224KSEP0070.E2	24-DEC-2009	12:15:04.180
EGOI_091224KSEP0100.E2	24-DEC-2009	13:54:01.795
EGOI_091224KSEP0129.E2	24-DEC-2009	15:32:20.400
EGOI_091224KSEP0161.E2	24-DEC-2009	17:09:51.005

EGOI_091224KSEP0196.E2	24-DEC-2009	18:47:51.610
EGOI_091224KSEP0231.E2	24-DEC-2009	20:26:59.721
EGOI_091224KSEP0262.E2	24-DEC-2009	22:08:34.849
EGOI_091224KSEP9991.E2	24-DEC-2009	07:15:58.890
EGOI_091224MAEP7180.E2	24-DEC-2009	09:03:19.056
EGOI_091224MAEP7190.E2	24-DEC-2009	10:43:10.669
EGOI_091224MIEP8331.E2	24-DEC-2009	01:54:32.909
EGOI_091224MIEP8358.E2	24-DEC-2009	03:31:09.504
EGOI_091224MIEP8379.E2	24-DEC-2009	05:13:22.130
EGOI_091224MIEP8388.E2	24-DEC-2009	15:50:04.006
EGOI_091224MIEP8410.E2	24-DEC-2009	17:31:09.138
EGOI_091224MSEP8877.E2	24-DEC-2009	00:09:11.258
EGOI_091224MSEP8899.E2	24-DEC-2009	10:49:21.214
EGOI_091224MSEP8927.E2	24-DEC-2009	12:28:23.767
EGOI_091224MSEP8957.E2	24-DEC-2009	21:59:09.291
EGOI_091224MSEP8987.E2	24-DEC-2009	23:37:17.402
EGOI_091224SGEP2406.E2	24-DEC-2009	15:07:27.712
EGOI_091224SGEP2411.E2	24-DEC-2009	16:49:01.334

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1.3 - List of data gaps

Station	Orbit	Date	Start Time	Stop Time	Duration (s)
KS	76743	24-DEC-2009	08:53:36.392	08:55:59.504	143.11200
KS	76744	24-DEC-2009	10:33:13.621	10:35:39.125	145.50400
KS	76745	24-DEC-2009	12:12:38.362	12:15:04.180	145.81800
KS	76746	24-DEC-2009	13:51:32.988	13:54:01.795	148.80700
KS	76747	24-DEC-2009	15:29:40.272	15:32:20.399	160.12700
KS	76748	24-DEC-2009	17:07:22.241	17:09:51.004	148.76300
KS	76749	24-DEC-2009	18:45:33.287	18:47:51.610	138.32300
KS	76750	24-DEC-2009	20:25:05.506	20:26:59.721	114.21500
KS	76751	24-DEC-2009	22:06:38.174	22:08:34.849	116.67500
KS	76742	24-DEC-2009	07:14:06.286	07:15:58.889	112.60300
KS	76752	24-DEC-2009	23:51:09.329	23:52:35.492	86.163000
GS	76739	24-DEC-2009	01:53:51.976	01:55:34.412	102.43600
GS	76740	24-DEC-2009	03:32:50.703	03:34:35.026	104.32300
MS	76738	24-DEC-2009	00:07:04.285	00:09:11.257	126.97200
MS	76744	24-DEC-2009	10:46:51.040	10:49:21.213	150.17300
MS	76745	24-DEC-2009	12:25:52.584	12:28:23.766	151.18200
MS	76751	24-DEC-2009	21:57:13.106	21:59:09.291	116.18500
MS	76752	24-DEC-2009	23:34:58.677	23:37:17.401	138.72400

MA	76744	24-DEC-2009	10:41:16.588	10:43:10.668	114.08000
MI	76739	24-DEC-2009	01:52:29.210	01:54:32.909	123.69900
MI	76740	24-DEC-2009	03:27:35.615	03:31:09.503	213.88800
MI	76741	24-DEC-2009	05:11:27.398	05:13:22.129	114.73100
MI	76747	24-DEC-2009	15:47:46.655	15:50:04.006	137.35100
MI	76748	24-DEC-2009	17:28:57.438	17:31:09.137	131.69900

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1.4 - List of missing products

Station	Orbit	Date	Start Time	Stop Time	Duration (s)
HO	76738	24-DEC-2009	01:01:10.967	01:14:35.848	804.88100
MM	76738	24-DEC-2009	01:13:02.611	01:23:17.799	615.18800
KS	76738	24-DEC-2009	00:25:42.626	00:27:23.582	100.95600
BE	76739	24-DEC-2009	02:19:21.776	02:32:03.906	762.13000
MM	76739	24-DEC-2009	02:55:46.938	03:03:45.038	478.10000
SG	76739	24-DEC-2009	02:31:24.673	02:43:00.805	696.13200
BE	76740	24-DEC-2009	03:58:51.492	04:11:03.557	732.06500
MM	76740	24-DEC-2009	04:38:50.570	04:44:50.583	360.01300
SG	76740	24-DEC-2009	04:09:58.002	04:22:40.274	762.27200
CM	76740	24-DEC-2009	03:27:10.196	03:38:37.225	687.02900
CM	76740	24-DEC-2009	05:07:20.385	05:16:57.325	576.94000
MM	76741	24-DEC-2009	06:20:55.812	06:27:13.442	377.63000
MM	76742	24-DEC-2009	08:01:49.874	08:10:18.831	508.95700
JO	76742	24-DEC-2009	07:39:11.656	07:53:35.767	864.11100
MM	76743	24-DEC-2009	09:42:12.201	09:52:52.117	639.91600
JO	76743	24-DEC-2009	09:19:17.252	09:32:14.262	777.01000
MM	76744	24-DEC-2009	11:22:18.786	11:34:23.375	724.58900
MM	76745	24-DEC-2009	13:02:11.898	13:14:52.030	760.13200
HO	76746	24-DEC-2009	14:51:19.937	15:01:02.250	582.31300
MM	76746	24-DEC-2009	14:41:50.038	14:54:32.062	762.02400
GS	76746	24-DEC-2009	14:04:17.488	14:12:37.033	499.54500
SG	76746	24-DEC-2009	15:05:07.369	15:18:43.646	816.27700
BE	76747	24-DEC-2009	15:16:24.768	15:27:51.534	686.76600
MM	76747	24-DEC-2009	16:21:11.839	16:33:45.223	753.38400
GS	76747	24-DEC-2009	15:41:52.421	15:55:44.410	831.98900
SG	76747	24-DEC-2009	16:46:30.209	16:55:31.984	541.77500

CM	76747	24-DEC-2009	15:50:58.361	16:02:31.732	693.37100
MM	76748	24-DEC-2009	18:00:21.343	18:12:54.210	752.86700
GS	76748	24-DEC-2009	17:21:48.512	17:33:37.439	708.92700
CM	76748	24-DEC-2009	17:31:01.012	17:40:32.876	571.86400
MM	76749	24-DEC-2009	19:39:32.857	19:52:14.214	761.35700
MA	76749	24-DEC-2009	18:44:46.006	18:48:51.799	245.79300
JO	76749	24-DEC-2009	19:59:17.785	20:13:14.487	836.70200
MM	76750	24-DEC-2009	21:19:09.014	21:31:50.547	761.53300
MA	76750	24-DEC-2009	20:17:34.838	20:31:22.265	827.42700
JO	76750	24-DEC-2009	21:38:36.359	21:52:18.393	822.03400
HO	76751	24-DEC-2009	22:50:51.277	23:04:01.985	790.70800
MM	76751	24-DEC-2009	22:59:32.007	23:11:42.269	730.26200
MA	76751	24-DEC-2009	21:58:48.610	22:09:54.420	665.81000

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1.5 - List of corrupted products

Station	Orbit	Time

2 - Instrument Indicators and Daily Plots

2.1 - Instrument Indicators Status

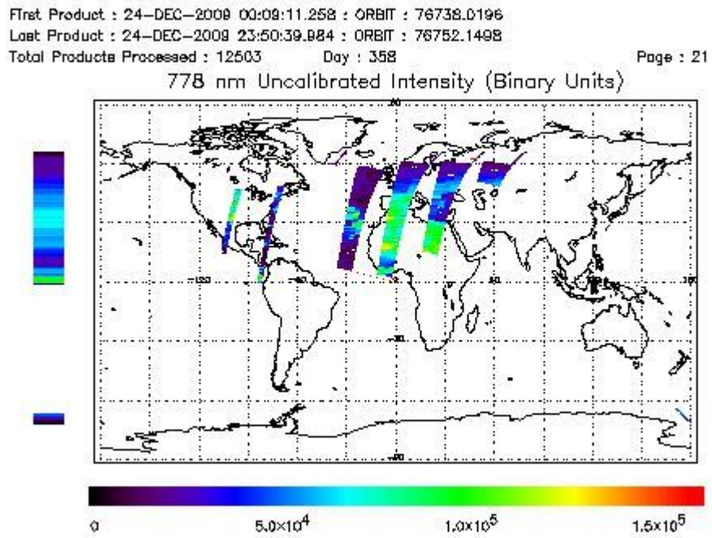
Indicator	Value
MPH Product Confidence	OK
SPH Product Confidence	OK
Command Word Echo Summary	OK
Instrument Status 1A	OK
Instrument Status 1B	OK
Instrument Status 2	OK
Integration Times Channel 1	OK
Co-Adding and Cluster Mode Flags	OK
Integration Times Band 2A	OK
Integration Times Band 2B	OK
Integration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

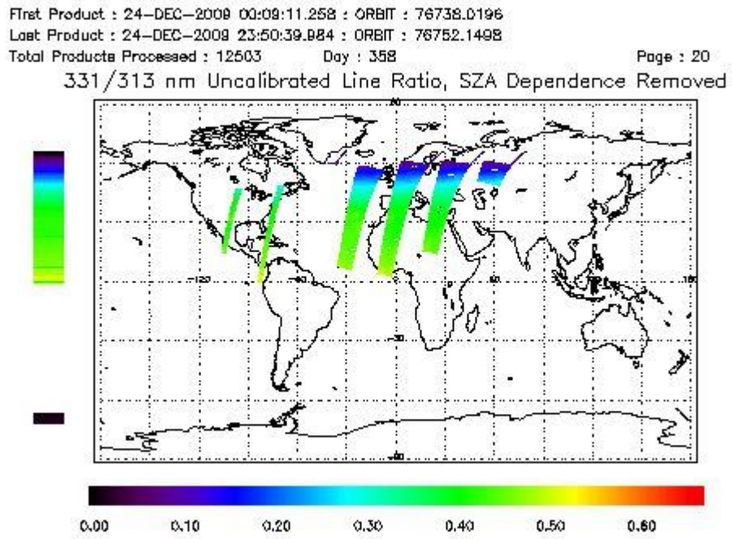
2.2 - Daily Plots

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

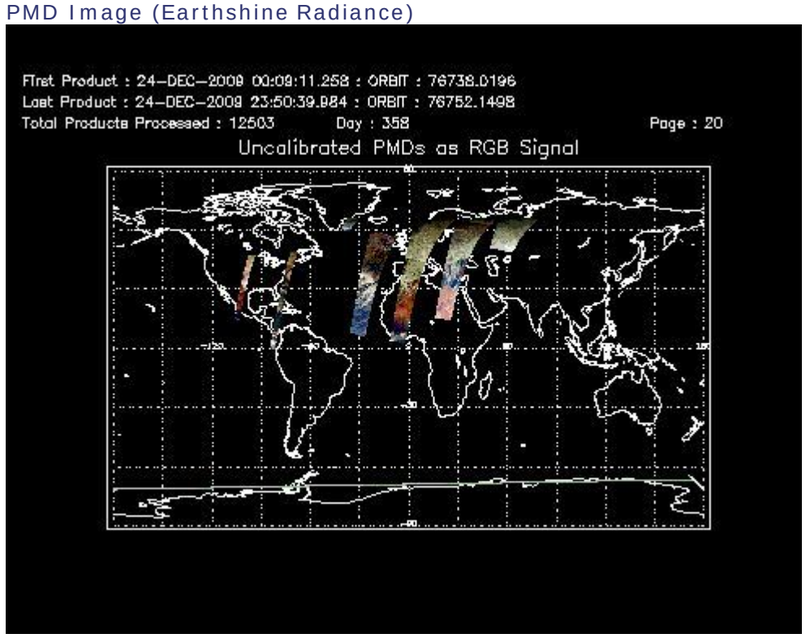
NEAR IR Intensity



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)
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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
13:30	--	76746	--

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