GOME Daily Report

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1 - General Info

1.1 - Report Summary

Item	Value
Report Version	GOMEver3_3
Report of Day	25-DEC-2009
Start Time of First Product	23:52:35
Stop Time of Last Product	23:29:49
Number of EGOI Products analysed	32
Number of corrupted products	--
Anomalies and/or Special Operations	Narrow Swath continued from previous day, stop orbit: 76759

1.2 - List of received products

Name	Date	Time
OI_091225GSEP5977.E2;1	25-DEC-2009	01:25:31.570
EGOI_091225GSEP6004.E2	25-DEC-2009	03:03:03.669
EGOI_091225GSEP6032.E2	25-DEC-2009	04:45:31.300
EGOI_091225GSEP6038.E2	25-DEC-2009	06:27:30.430
EGOI_091225KSEP0286.E2	24-DEC-2009	23:52:35.492
EGOI_091225KSEP0308.E2	25-DEC-2009	06:44:42.540
EGOI_091225KSEP0329.E2	25-DEC-2009	08:24:40.160
EGOI_091225KSEP0353.E2	25-DEC-2009	10:04:19.770
EGOI_091225KSEP0378.E2	25-DEC-2009	11:43:54.891

EGOI_091225KSEP0397.E2	25-DEC-2009	13:22:53.998
EGOI_091225KSEP0411.E2	25-DEC-2009	15:01:36.611
EGOI_091225KSEP0429.E2	25-DEC-2009	16:39:11.712
EGOI_091225KSEP0460.E2	25-DEC-2009	18:17:13.820
EGOI_091225KSEP0495.E2	25-DEC-2009	19:55:41.432
EGOI_091225KSEP0525.E2	25-DEC-2009	21:36:31.548
EGOI_091225KSEP0552.E2	25-DEC-2009	23:19:26.187
EGOI_091225MAEP7202.E2	25-DEC-2009	08:32:37.203
EGOI_091225MAEP7215.E2	25-DEC-2009	10:11:45.321
EGOI_091225MAEP7236.E2	25-DEC-2009	21:28:34.501
EGOI_091225MIEP8432.E2	25-DEC-2009	02:59:00.642
EGOI_091225MIEP8458.E2	25-DEC-2009	04:39:28.261
EGOI_091225MIEP8484.E2	25-DEC-2009	15:19:14.217
EGOI_091225MIEP8511.E2	25-DEC-2009	16:58:53.837
EGOI_091225MSEP9008.E2	25-DEC-2009	10:19:13.862
EGOI_091225MSEP9037.E2	25-DEC-2009	11:56:48.966
EGOI_091225MSEP9054.E2	25-DEC-2009	13:40:31.610
EGOI_091225MSEP9070.E2	25-DEC-2009	21:29:49.509
EGOI_091225MSEP9102.E2	25-DEC-2009	23:05:45.601
EGOI_091225SGEP2420.E2	25-DEC-2009	02:04:10.761
EGOI_091225SGEP2427.E2	25-DEC-2009	03:40:44.360
EGOI_091225SGEP2435.E2	25-DEC-2009	14:38:10.913
EGOI_091225SGEP2443.E2	25-DEC-2009	16:16:19.020

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1.3 - List of data gaps

Station	Orbit	Date	Start Time	Stop Time	Duration (s)
KS	76752	24-DEC-2009	23:51:09.329	23:52:35.492	86.163000
KS	76756	25-DEC-2009	06:42:58.310	06:44:42.539	104.22900
KS	76757	25-DEC-2009	08:22:18.029	08:24:40.160	142.13100
KS	76758	25-DEC-2009	10:01:55.619	10:04:19.769	144.15000
KS	76759	25-DEC-2009	11:41:26.129	11:43:54.891	148.76200
KS	76760	25-DEC-2009	13:20:31.733	13:22:53.998	142.26500
KS	76761	25-DEC-2009	14:59:05.991	15:01:36.611	150.62000
KS	76762	25-DEC-2009	16:36:42.909	16:39:11.712	148.80300
KS	76763	25-DEC-2009	18:14:35.173	18:17:13.820	158.64700
KS	76764	25-DEC-2009	19:53:37.307	19:55:41.431	124.12400
KS	76765	25-DEC-2009	21:34:27.933	21:36:31.547	123.61400
KS	76766	25-DEC-2009	23:17:51.245	23:19:26.187	94.942000
GS	76753	25-DEC-2009	01:23:40.851	01:25:31.570	110.71900
GS	76754	25-DEC-2009	03:01:15.499	03:03:03.669	108.17000

GS	76755	25-DEC-2009	04:43:51.987	04:45:31.300	99.313000
MS	76758	25-DEC-2009	10:16:43.662	10:19:13.861	150.19900
MS	76759	25-DEC-2009	11:54:16.990	11:56:48.966	151.97600
MS	76766	25-DEC-2009	23:03:33.966	23:05:45.601	131.63500
MA	76757	25-DEC-2009	08:31:07.012	08:32:37.203	90.191000
MA	76758	25-DEC-2009	10:09:59.665	10:11:45.320	105.65500
MA	76765	25-DEC-2009	21:26:04.639	21:28:34.500	149.86100
MI	76754	25-DEC-2009	02:56:44.515	02:59:00.641	136.12600
MI	76755	25-DEC-2009	04:37:18.099	04:39:28.261	130.16200
MI	76761	25-DEC-2009	15:16:58.692	15:19:14.217	135.52500
MI	76762	25-DEC-2009	16:56:30.760	16:58:53.837	143.07700
SG	76753	25-DEC-2009	02:02:34.380	02:04:10.760	96.380000
SG	76754	25-DEC-2009	03:38:16.339	03:40:44.359	148.02000
SG	76760	25-DEC-2009	14:34:46.959	14:38:10.913	203.95400
SG	76761	25-DEC-2009	16:13:41.972	16:16:19.020	157.04800

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1.4 - List of missing products

Station	Orbit	Date	Start Time	Stop Time	Duration (s)
HO	76752	25-DEC-2009	00:29:05.334	00:43:42.425	877.09100
MM	76752	25-DEC-2009	00:40:56.740	00:51:47.541	650.80100
BE	76753	25-DEC-2009	01:48:43.492	01:59:44.550	661.05800
MM	76753	25-DEC-2009	02:23:24.650	02:32:08.156	523.50600
BE	76754	25-DEC-2009	03:27:20.076	03:40:30.264	790.18800
MM	76754	25-DEC-2009	04:06:29.626	04:12:57.580	387.95400
CM	76754	25-DEC-2009	02:57:28.450	03:06:19.253	530.80300
CM	76754	25-DEC-2009	04:34:57.282	04:46:47.250	709.96800
MM	76755	25-DEC-2009	05:49:00.241	05:54:54.242	354.00100
MM	76756	25-DEC-2009	07:30:12.042	07:37:55.636	463.59400
JO	76756	25-DEC-2009	07:09:01.082	07:21:47.885	766.80300
MM	76757	25-DEC-2009	09:10:41.502	09:20:44.293	602.79100
JO	76757	25-DEC-2009	08:47:08.767	09:01:41.637	872.87000
MM	76758	25-DEC-2009	10:50:52.432	11:02:36.077	703.64500
MM	76759	25-DEC-2009	12:30:49.872	12:43:23.424	753.55200
MA	76759	25-DEC-2009	11:51:59.580	11:57:05.331	305.75100
HO	76760	25-DEC-2009	14:19:29.910	14:32:10.029	760.11900

MM	76760	25-DEC-2009	14:10:32.930	14:23:16.644	763.71400
SG	76760	25-DEC-2009	14:34:46.959	14:46:48.148	721.18900
BE	76761	25-DEC-2009	14:44:14.022	14:57:07.960	773.93800
MM	76761	25-DEC-2009	15:49:59.827	16:02:35.679	755.85200
GS	76761	25-DEC-2009	15:10:48.522	15:24:02.932	794.41000
CM	76761	25-DEC-2009	15:21:00.821	15:29:54.610	533.78900
MM	76762	25-DEC-2009	17:29:12.175	17:41:43.843	751.66800
GS	76762	25-DEC-2009	16:50:14.055	17:03:20.168	786.11300
CM	76762	25-DEC-2009	16:58:53.588	17:10:37.887	704.29900
MM	76763	25-DEC-2009	19:08:20.870	19:20:59.388	758.51800
JO	76763	25-DEC-2009	19:29:04.271	19:40:41.282	697.01100
MM	76764	25-DEC-2009	20:47:46.690	21:00:30.509	763.81900
MA	76764	25-DEC-2009	19:47:03.237	19:59:41.197	757.96000
JO	76764	25-DEC-2009	21:07:00.062	21:21:48.701	888.63900
HO	76765	25-DEC-2009	22:20:43.730	22:32:30.251	706.52100
MM	76765	25-DEC-2009	22:27:52.924	22:40:17.638	744.71400
HO	76766	25-DEC-2009	23:57:58.438	00:12:29.488	871.05000

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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

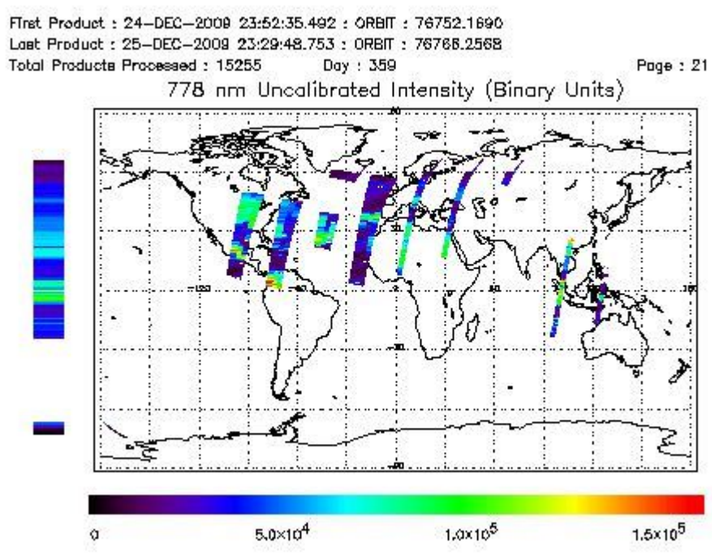
Indicator	Value
MPH Product Confidence	OK
SPH Product Confidence	OK
Command Word Echo Summary	OK
Instrument Status 1A	OK
Instrument Status 1B	OK
Instrument Status 2	OK
Integration Times Channel 1	OK
Co-Adding and Cluster Mode Flags	OK
Integration Times Band 2A	OK
Integration Times Band 2B	OK
Integration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

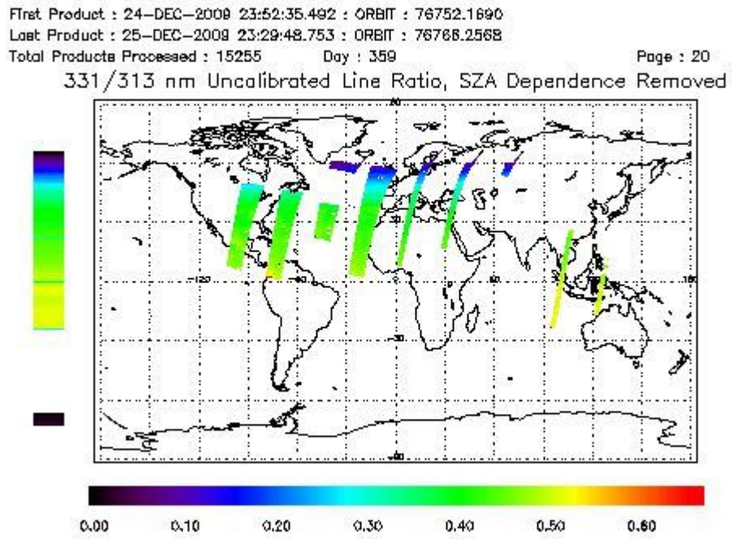
2.2 - Daily Plots

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

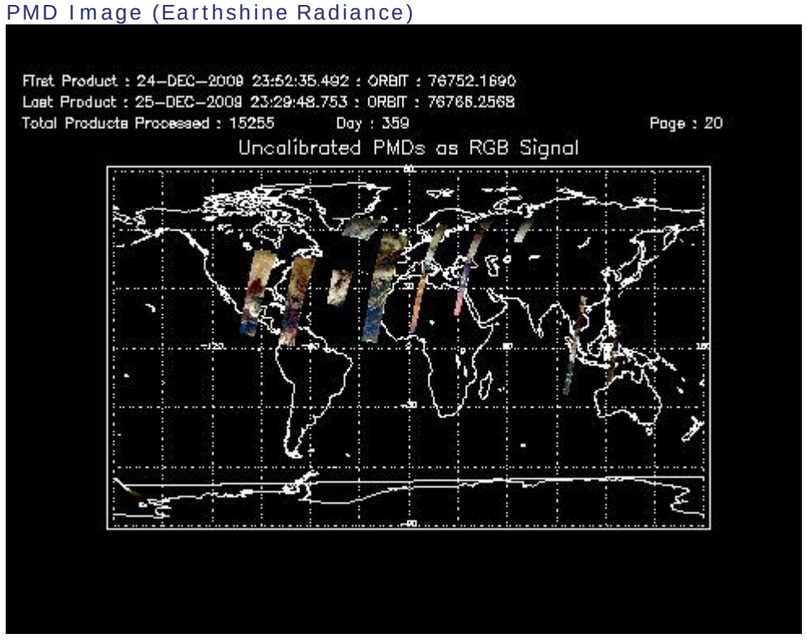
NEAR IR Intensity



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	11:50:21.920	--	76758	Yes	--	15839

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)

[BACK TO MENU]

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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[BACK TO MENU]

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
13:30	11:00	76746	76759

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