GOME Daily Report

INDEX

1 - General Info

1.1 - Report Summary

Item	Value
Report Version	GOMEver3_3
Report of Day	31-DEC-2009
Start Time of First Product	23:48:42 31-12-2009
Stop Time of Last Product	23:41:09
Number of EGOI Products analysed	37
Number of corrupted products	0
Anomalies and/or Special Operations	Nominal Data

1.2 - List of received products

Name	Date	Time
OI_091231BEEP1518.E2;1	31-DEC-2009	02:02:25.182
EGOI_091231BEEP1526.E2	31-DEC-2009	03:41:22.789
EGOI_091231CMEP5956.E2	31-DEC-2009	03:09:40.593
EGOI_091231CMEP5966.E2	31-DEC-2009	04:50:44.220
EGOI_091231CMEP5973.E2	31-DEC-2009	15:33:10.685
EGOI_091231CMEP5982.E2	31-DEC-2009	17:11:48.793
EGOI_091231GSEP6428.E2	31-DEC-2009	01:36:32.522
EGOI_091231GSEP6456.E2	31-DEC-2009	03:14:34.629
EGOI_091231KSEP2046.E2	31-DEC-2009	00:05:13.960

EGOI_091231KSEP2071.E2	31-DEC-2009	06:56:04.491
EGOI_091231KSEP2103.E2	31-DEC-2009	08:36:02.111
EGOI_091231KSEP2127.E2	31-DEC-2009	10:15:43.223
EGOI_091231KSEP2153.E2	31-DEC-2009	11:55:15.343
EGOI_091231KSEP2172.E2	31-DEC-2009	13:34:11.455
EGOI_091231KSEP2200.E2	31-DEC-2009	15:12:52.560
EGOI_091231KSEP2232.E2	31-DEC-2009	16:50:23.164
EGOI_091231KSEP2267.E2	31-DEC-2009	18:28:14.772
EGOI_091231KSEP2301.E2	31-DEC-2009	20:07:00.380
EGOI_091231KSEP2333.E2	31-DEC-2009	21:48:04.000
EGOI_091231KSEP2360.E2	31-DEC-2009	23:31:27.144
EGOI_091231MAEP7372.E2	31-DEC-2009	08:44:03.662
EGOI_091231MAEP7384.E2	31-DEC-2009	10:23:05.774
EGOI_091231MAEP7405.E2	31-DEC-2009	20:00:34.841
EGOI_091231MIEP9045.E2	31-DEC-2009	03:10:07.597
EGOI_091231MIEP9071.E2	31-DEC-2009	04:51:33.724
EGOI_091231MIEP9090.E2	31-DEC-2009	15:30:21.171
EGOI_091231MIEP9115.E2	31-DEC-2009	17:10:27.786
EGOI_091231MMEP2538.E2	31-DEC-2009	19:21:49.597
EGOI_091231MSEP9680.E2	30-DEC-2009	23:48:42.355
EGOI_091231MSEP9703.E2	31-DEC-2009	10:30:08.813
EGOI_091231MSEP9732.E2	31-DEC-2009	12:08:09.418
EGOI_091231MSEP9759.E2	31-DEC-2009	21:40:21.954
EGOI_091231MSEP9791.E2	31-DEC-2009	23:17:04.550
EGOI_091231SGEP2576.E2	31-DEC-2009	02:14:43.253
EGOI_091231SGEP2583.E2	31-DEC-2009	03:53:16.860
EGOI_091231SGEP2591.E2	31-DEC-2009	14:50:13.427
EGOI_091231SGEP2596.E2	31-DEC-2009	16:28:05.027

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1.3 - List of data gaps

Station	Orbit	Date	Start Time	Stop Time	Duration (s)
KS	76838	31-DEC-2009	00:03:26.996	00:05:13.959	106.96300
KS	76842	31-DEC-2009	06:54:16.629	06:56:04.491	107.86200
KS	76843	31-DEC-2009	08:33:40.964	08:36:02.110	141.14600
KS	76844	31-DEC-2009	10:13:18.638	10:15:43.222	144.58400
KS	76845	31-DEC-2009	11:52:47.254	11:55:15.343	148.08900
KS	76846	31-DEC-2009	13:31:48.751	13:34:11.454	142.70300
KS	76847	31-DEC-2009	15:10:13.450	15:12:52.560	159.11000
KS	76848	31-DEC-2009	16:47:50.069	16:50:23.163	153.09400
KS	76849	31-DEC-2009	18:25:49.994	18:28:14.771	144.77700
KS	76850	31-DEC-2009	20:05:02.627	20:07:00.380	117.75300

KS	76851	31-DEC-2009	21:46:08.055	21:48:03.999	115.94400
KS	76852	31-DEC-2009	23:29:53.914	23:31:27.144	93.230000
GS	76839	31-DEC-2009	01:34:36.102	01:36:32.521	116.41900
GS	76840	31-DEC-2009	03:12:41.413	03:14:34.629	113.21600
MS	76838	30-DEC-2009	23:46:33.575	23:48:42.355	128.78000
MS	76844	31-DEC-2009	10:27:38.211	10:30:08.813	150.60200
MS	76845	31-DEC-2009	12:05:46.930	12:08:09.417	142.48700
MS	76852	31-DEC-2009	23:14:55.090	23:17:04.549	129.45900
MA	76843	31-DEC-2009	08:42:36.013	08:44:03.661	87.648000
MA	76844	31-DEC-2009	10:21:21.998	10:23:05.774	103.77600
MA	76850	31-DEC-2009	19:58:05.952	20:00:34.841	148.88900
MI	76840	31-DEC-2009	03:07:53.181	03:10:07.597	134.41600
MI	76841	31-DEC-2009	04:49:23.754	04:51:33.723	129.96900
MI	76847	31-DEC-2009	15:28:07.077	15:30:21.171	134.09400
MI	76848	31-DEC-2009	17:08:12.215	17:10:27.785	135.57000
MM	76849	31-DEC-2009	19:19:41.357	19:21:49.596	128.23900
BE	76839	31-DEC-2009	01:59:48.571	02:02:25.182	156.61100
BE	76840	31-DEC-2009	03:38:46.249	03:41:22.789	156.54000
SG	76839	31-DEC-2009	02:12:47.313	02:14:43.252	115.93900
SG	76840	31-DEC-2009	03:49:43.231	03:53:16.859	213.62800
SG	76846	31-DEC-2009	14:45:43.137	14:50:13.427	270.29000
SG	76847	31-DEC-2009	16:25:28.548	16:28:05.027	156.47900
CM	76840	31-DEC-2009	03:08:07.776	03:09:40.593	92.817000
CM	76847	31-DEC-2009	15:31:46.187	15:33:10.684	84.497000
CM	76848	31-DEC-2009	17:10:28.923	17:11:48.792	79.869000

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1.4 - List of missing products

Station	Orbit	Date	Start Time	Stop Time	Duration (s)
HO	76838	31-DEC-2009	00:40:48.126	00:54:59.712	851.58600
MM	76838	31-DEC-2009	00:52:36.326	01:03:14.730	638.40400
MM	76839	31-DEC-2009	02:35:10.544	02:43:37.591	507.04700
MM	76840	31-DEC-2009	04:18:15.989	04:24:32.332	376.34300
MM	76841	31-DEC-2009	06:00:37.769	06:06:38.694	360.92500
MM	76842	31-DEC-2009	07:41:42.553	07:49:42.570	480.01700
JO	76842	31-DEC-2009	07:19:54.516	07:33:24.722	810.20600

MM	76843	31-DEC-2009	09:22:09.211	09:32:26.032	616.82100
JO	76843	31-DEC-2009	08:58:44.869	09:12:51.855	846.98600
MM	76844	31-DEC-2009	11:02:18.531	11:14:10.384	711.85300
MM	76845	31-DEC-2009	12:42:14.412	12:54:50.789	756.37700
HO	76846	31-DEC-2009	14:31:02.244	14:42:51.051	708.80700
MM	76846	31-DEC-2009	14:21:55.703	14:34:38.970	763.26700
SG	76846	31-DEC-2009	14:45:43.137	14:58:30.021	766.88400
BE	76847	31-DEC-2009	14:55:51.336	15:08:21.188	749.85200
MM	76847	31-DEC-2009	16:01:20.727	16:13:55.596	754.86900
GS	76847	31-DEC-2009	15:22:04.839	15:35:37.794	812.95500
MM	76848	31-DEC-2009	17:40:31.897	17:53:03.860	751.96300
GS	76848	31-DEC-2009	17:01:41.775	17:14:24.185	762.41000
JO	76849	31-DEC-2009	19:39:58.245	19:52:38.373	760.12800
MM	76850	31-DEC-2009	20:59:10.670	21:11:53.978	763.30800
JO	76850	31-DEC-2009	21:18:27.073	21:32:58.334	871.26100
HO	76851	31-DEC-2009	22:31:35.752	22:43:58.984	743.23200
MM	76851	31-DEC-2009	22:39:22.803	22:51:42.801	739.99800
MA	76851	31-DEC-2009	21:37:41.033	21:50:26.396	765.36300

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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

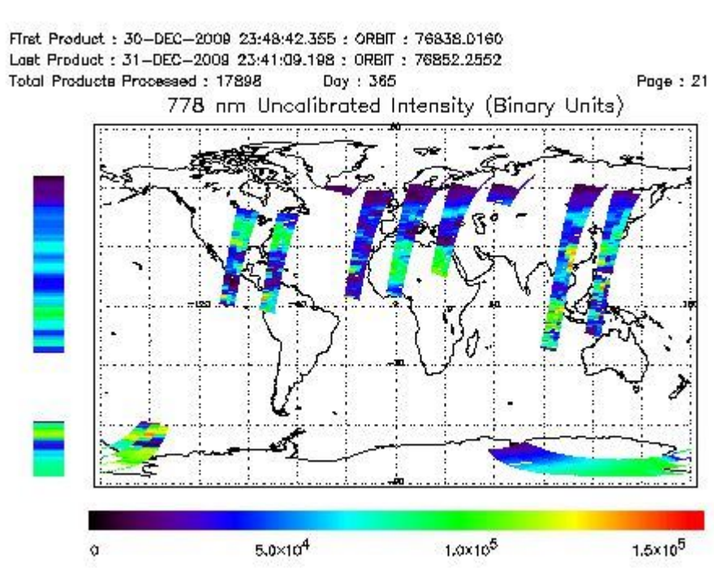
Indicator	Value
MPH Product Confidence	OK
SPH Product Confidence	OK
Command Word Echo Summary	OK
Instrument Status 1A	OK
Instrument Status 1B	OK
Instrument Status 2	OK
Integration Times Channel 1	OK
Co-Adding and Cluster Mode Flags	OK
Integration Times Band 2A	OK
Integration Times Band 2B	OK
Integration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

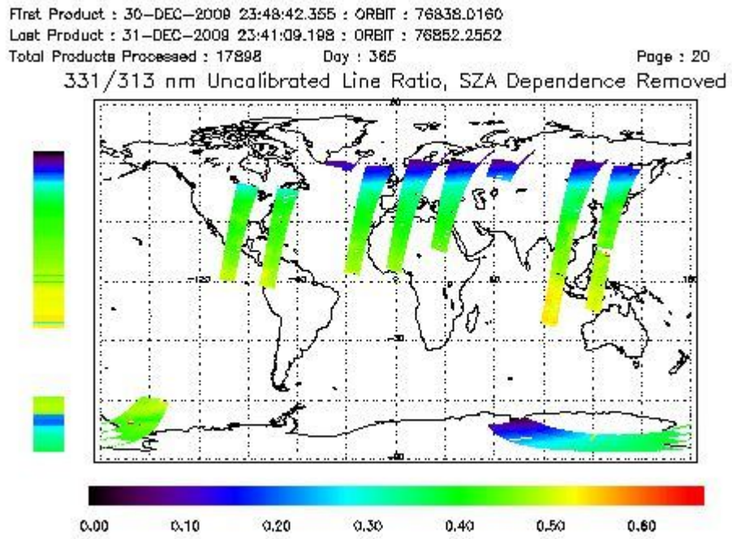
2.2 - Daily Plots

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

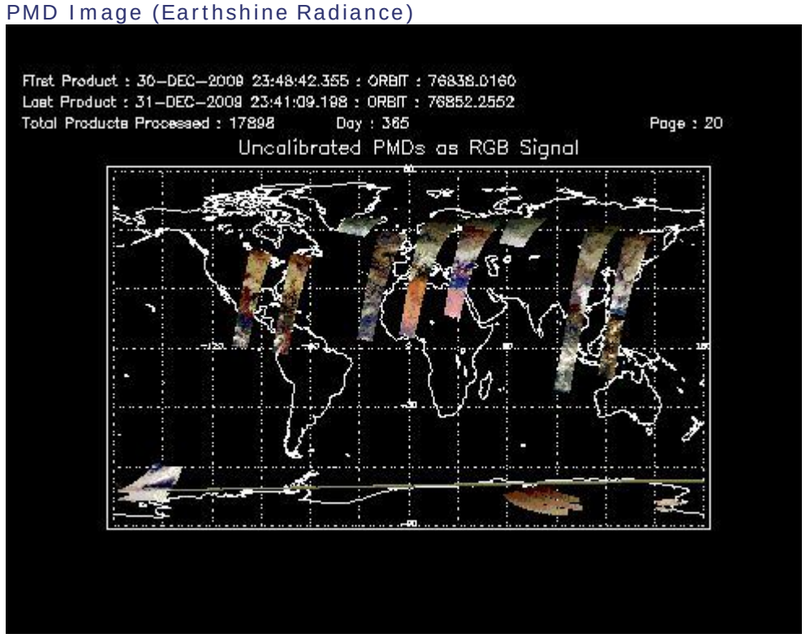
NEAR IR Intensity



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	12:01:45.378	--	76845	Yes	--	15838

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