GOME Daily Report

INDEX

1 - General Info

1.1 - Report Summary

Item	Value
Report Version	GOMEver3_3
Report of Day	28-DEC-2009
Start Time of First Product	23:42;56
Stop Time of Last Product	23:35:29
Number of EGOI Products analysed	41
Number of corrupted products	--
Anomalies and/or Special Operations	Nominal Data

1.2 - List of received products

Name	Date	Time
OI_091228BEEP1480.E2;1	28-DEC-2009	02:03:10.498
EGOI_091228BEEP1488.E2	28-DEC-2009	03:35:33.573
EGOI_091228CMEP5870.E2	28-DEC-2009	15:27:36.468
EGOI_091228CMEP5875.E2	28-DEC-2009	17:06:04.079
EGOI_091228GSEP6210.E2	28-DEC-2009	01:31:22.302
EGOI_091228GSEP6235.E2	28-DEC-2009	03:08:46.905
EGOI_091228GSEP6245.E2	28-DEC-2009	04:51:47.539
EGOI_091228KSEP1154.E2	27-DEC-2009	23:59:00.733
EGOI_091228KSEP1179.E2	28-DEC-2009	06:50:24.272

EGOI_091228KSEP1202.E2	28-DEC-2009	08:30:21.886
EGOI_091228KSEP1225.E2	28-DEC-2009	10:10:04.501
EGOI_091228KSEP1250.E2	28-DEC-2009	11:49:35.116
EGOI_091228KSEP1270.E2	28-DEC-2009	13:28:32.727
EGOI_091228KSEP1298.E2	28-DEC-2009	15:07:15.346
EGOI_091228KSEP1319.E2	28-DEC-2009	16:44:44.447
EGOI_091228KSEP1352.E2	28-DEC-2009	18:22:42.051
EGOI_091228KSEP1388.E2	28-DEC-2009	20:01:23.164
EGOI_091228KSEP1420.E2	28-DEC-2009	21:42:16.283
EGOI_091228KSEP1447.E2	28-DEC-2009	23:25:31.928
EGOI_091228MAEP7306.E2	28-DEC-2009	10:17:25.548
EGOI_091228MIEP8755.E2	28-DEC-2009	03:04:33.381
EGOI_091228MIEP8781.E2	28-DEC-2009	04:45:31.004
EGOI_091228MIEP8791.E2	28-DEC-2009	15:24:46.952
EGOI_091228MIEP8814.E2	28-DEC-2009	17:04:37.073
EGOI_091228MMEP2389.E2	28-DEC-2009	04:13:06.804
EGOI_091228MMEP2396.E2	28-DEC-2009	05:55:28.431
EGOI_091228MMEP2403.E2	28-DEC-2009	12:37:57.914
EGOI_091228MMEP2414.E2	28-DEC-2009	14:17:39.028
EGOI_091228MMEP2421.E2	28-DEC-2009	15:57:05.148
EGOI_091228MMEP2427.E2	28-DEC-2009	17:37:29.775
EGOI_091228MMEP2433.E2	28-DEC-2009	20:55:14.494
EGOI_091228MMEP2441.E2	28-DEC-2009	22:35:21.110
EGOI_091228MSEP9331.E2	27-DEC-2009	23:42:56.131
EGOI_091228MSEP9354.E2	28-DEC-2009	10:24:39.091
EGOI_091228MSEP9383.E2	28-DEC-2009	12:02:30.694
EGOI_091228MSEP9396.E2	28-DEC-2009	13:45:11.829
EGOI_091228MSEP9419.E2	28-DEC-2009	21:35:13.240
EGOI_091228MSEP9451.E2	28-DEC-2009	23:11:25.838
EGOI_091228SGEP2501.E2	28-DEC-2009	03:45:59.136
EGOI_091228SGEP2509.E2	28-DEC-2009	14:44:22.698
EGOI_091228SGEP2515.E2	28-DEC-2009	16:22:09.805

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1.3 - List of data gaps

Station	Orbit	Date	Start Time	Stop Time	Duration (s)
KS	76795	27-DEC-2009	23:57:17.099	23:59:00.733	103.63400
KS	76799	28-DEC-2009	06:48:37.304	06:50:24.271	106.96700
KS	76800	28-DEC-2009	08:27:59.478	08:30:21.885	142.40700
KS	76801	28-DEC-2009	10:07:37.142	10:10:04.501	147.35900
KS	76802	28-DEC-2009	11:47:06.733	11:49:35.116	148.38300
KS	76803	28-DEC-2009	13:26:10.316	13:28:32.727	142.41100
KS	76804	28-DEC-2009	15:04:40.377	15:07:15.346	154.96900

KS	76805	28-DEC-2009	16:42:16.752	16:44:44.447	147.69500
KS	76806	28-DEC-2009	18:20:12.467	18:22:42.050	149.58300
KS	76807	28-DEC-2009	19:59:19.787	20:01:23.164	123.37700
KS	76808	28-DEC-2009	21:40:17.747	21:42:16.282	118.53500
KS	76809	28-DEC-2009	23:23:52.105	23:25:31.927	99.822000
GS	76796	28-DEC-2009	01:29:07.977	01:31:22.301	134.32400
GS	76796	28-DEC-2009	01:33:01.313	01:40:53.429	472.11600
GS	76797	28-DEC-2009	03:06:58.008	03:08:46.905	108.89700
MS	76801	28-DEC-2009	10:22:09.935	10:24:39.090	149.15500
MS	76802	28-DEC-2009	12:00:02.600	12:02:30.694	148.09400
MS	76809	28-DEC-2009	23:09:13.939	23:11:25.837	131.89800
MA	76801	28-DEC-2009	10:15:42.576	10:17:25.547	102.97100
MI	76797	28-DEC-2009	03:02:18.190	03:04:33.380	135.19000
MI	76798	28-DEC-2009	04:43:19.247	04:45:31.003	131.75600
MI	76804	28-DEC-2009	15:22:32.309	15:24:46.951	134.64200
MI	76805	28-DEC-2009	17:02:20.785	17:04:37.073	136.28800
MM	76802	28-DEC-2009	12:36:32.165	12:37:57.914	85.749000
MM	76803	28-DEC-2009	14:16:14.343	14:17:39.028	84.685000
MM	76804	28-DEC-2009	15:55:40.302	15:57:05.147	84.845000
MM	76805	28-DEC-2009	17:34:52.041	17:37:29.774	157.73300
MM	76807	28-DEC-2009	20:53:28.612	20:55:14.494	105.88200
MM	76808	28-DEC-2009	22:33:37.766	22:35:21.110	103.34400
BE	76796	28-DEC-2009	01:54:15.452	02:03:10.498	535.04600
BE	76797	28-DEC-2009	03:33:02.941	03:35:33.573	150.63200
SG	76797	28-DEC-2009	03:43:59.165	03:45:59.135	119.97000
SG	76803	28-DEC-2009	14:40:14.107	14:44:22.698	248.59100
SG	76804	28-DEC-2009	16:19:34.253	16:22:09.804	155.55100
CM	76804	28-DEC-2009	15:26:21.969	15:27:36.467	74.498000
CM	76805	28-DEC-2009	17:04:40.588	17:06:04.079	83.491000

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1.4 - List of missing products

Station	Orbit	Date	Start Time	Stop Time	Duration (s)
HO	76795	28-DEC-2009	00:34:57.871	00:49:22.125	864.25400
MM	76795	28-DEC-2009	00:46:46.428	00:57:31.111	644.68300
MM	76796	28-DEC-2009	02:29:17.534	02:37:52.828	515.29400

SG	76796	28-DEC-2009	02:07:37.320	02:15:53.255	495.93500
CM	76797	28-DEC-2009	03:02:46.602	03:12:16.325	569.72300
CM	76797	28-DEC-2009	04:40:45.969	04:52:20.369	694.40000
MM	76799	28-DEC-2009	07:35:57.357	07:43:49.139	471.78200
JO	76799	28-DEC-2009	07:14:27.024	07:27:36.794	789.77000
MM	76800	28-DEC-2009	09:16:25.384	09:26:35.263	609.87900
MA	76800	28-DEC-2009	08:36:49.282	08:49:02.230	732.94800
JO	76800	28-DEC-2009	08:52:56.150	09:07:17.219	861.06900
MM	76801	28-DEC-2009	10:56:35.503	11:08:23.338	707.83500
HO	76803	28-DEC-2009	14:25:15.846	14:37:34.584	738.73800
BE	76804	28-DEC-2009	14:50:02.058	15:02:44.922	762.86400
GS	76804	28-DEC-2009	15:16:26.449	15:29:50.876	804.42700
GS	76805	28-DEC-2009	16:55:57.759	17:08:52.618	774.85900
MM	76806	28-DEC-2009	19:14:01.082	19:26:40.143	759.06100
JO	76806	28-DEC-2009	19:34:30.295	19:46:40.983	730.68800
MA	76807	28-DEC-2009	19:52:34.105	20:05:33.335	779.23000
JO	76807	28-DEC-2009	21:12:43.222	21:27:24.102	880.88000
HO	76808	28-DEC-2009	22:26:09.190	22:38:14.780	725.59000
MA	76808	28-DEC-2009	21:31:52.263	21:44:50.583	778.32000

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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

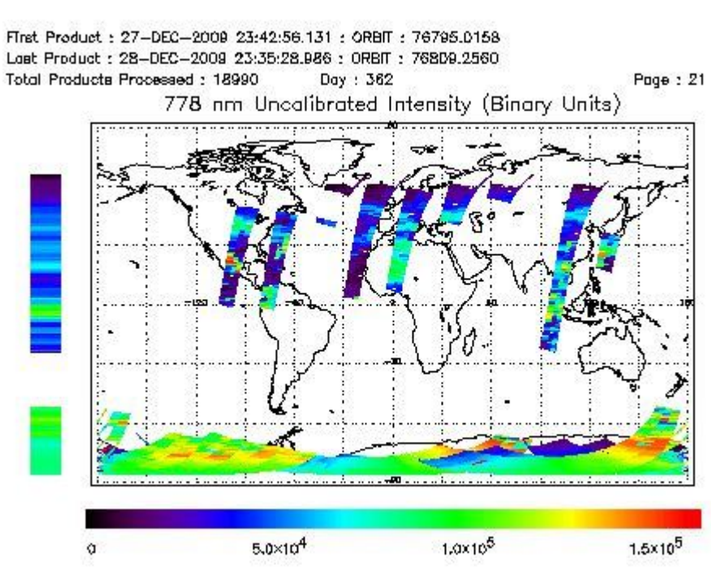
Indicator	Value
MPH Product Confidence	OK
SPH Product Confidence	OK
Command Word Echo Summary	OK
Instrument Status 1A	OK
Instrument Status 1B	OK
Instrument Status 2	OK
Integration Times Channel 1	OK
Co-Adding and Cluster Mode Flags	OK
Integration Times Band 2A	OK
Integration Times Band 2B	OK
Integration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

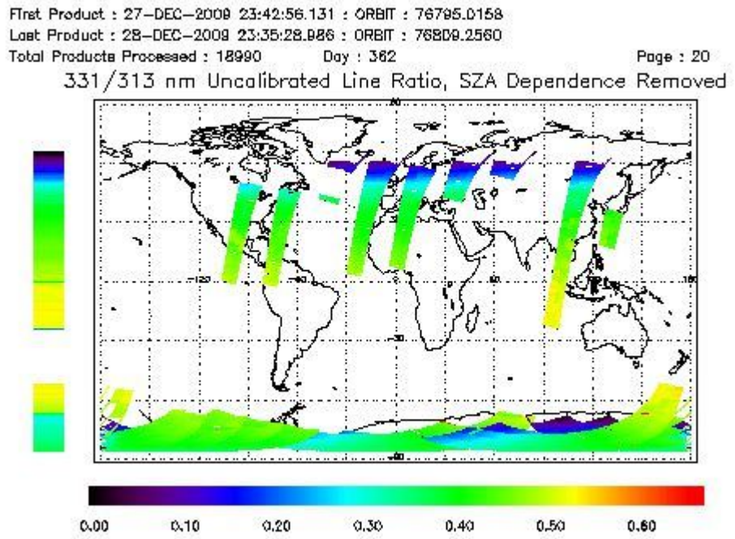
2.2 - Daily Plots

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

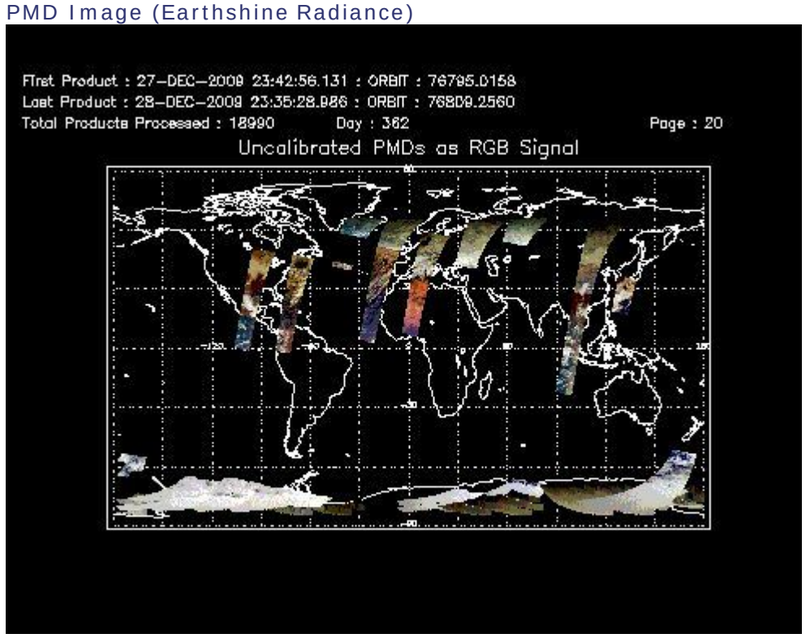
NEAR IR Intensity



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	10:15:30.030	--	76801	Yes	--	15848

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