GOME Daily Report

INDEX

1 - General Info

1.1 - Report Summary

Item	Value
Report Version	GOMEver3_3
Report of Day	29-DEC-2009
Start Time of First Product	00:16:10
Stop Time of Last Product	23:04:14
Number of EGOI Products analysed	43
Number of corrupted products	--
Anomalies and/or Special Operations	Nominal Data

1.2 - List of received products

Name	Date	Time
OI_091229BEEP1494.E2;1	29-DEC-2009	03:04:13.776
EGOI_091229BEEP1500.E2	29-DEC-2009	04:44:48.891
EGOI_091229CMEP5885.E2	29-DEC-2009	02:35:00.092
EGOI_091229CMEP5891.E2	29-DEC-2009	04:13:42.703
EGOI_091229CMEP5902.E2	29-DEC-2009	14:58:24.183
EGOI_091229CMEP5908.E2	29-DEC-2009	16:34:30.775
EGOI_091229CMEP5919.E2	29-DEC-2009	18:17:52.421
EGOI_091229GSEP6270.E2	29-DEC-2009	01:00:52.013
EGOI_091229GSEP6302.E2	29-DEC-2009	02:37:30.108

EGOI_091229GSEP6330.E2	29-DEC-2009	04:18:36.730
EGOI_091229GSEP6337.E2	29-DEC-2009	06:00:59.866
EGOI_091229HLEP4771.E2	29-DEC-2009	13:58:50.814
EGOI_091229HLEP4780.E2	29-DEC-2009	22:02:02.800
EGOI_091229KSEP1463.E2	29-DEC-2009	06:19:11.971
EGOI_091229KSEP1493.E2	29-DEC-2009	07:59:03.594
EGOI_091229KSEP1521.E2	29-DEC-2009	09:38:41.705
EGOI_091229KSEP1556.E2	29-DEC-2009	11:18:18.321
EGOI_091229KSEP1584.E2	29-DEC-2009	12:57:29.438
EGOI_091229KSEP1597.E2	29-DEC-2009	14:36:19.546
EGOI_091229KSEP1614.E2	29-DEC-2009	16:13:59.150
EGOI_091229KSEP1646.E2	29-DEC-2009	17:52:02.758
EGOI_091229KSEP1681.E2	29-DEC-2009	19:30:00.363
EGOI_091229KSEP1715.E2	29-DEC-2009	21:10:12.987
EGOI_091229KSEP1737.E2	29-DEC-2009	22:52:49.615
EGOI_091229MAEP7318.E2	29-DEC-2009	09:46:19.256
EGOI_091229MIEP8841.E2	29-DEC-2009	02:34:16.588
EGOI_091229MIEP8868.E2	29-DEC-2009	04:13:41.203
EGOI_091229MIEP8895.E2	29-DEC-2009	14:54:25.659
EGOI_091229MIEP8923.E2	29-DEC-2009	16:32:44.265
EGOI_091229MMEP2451.E2	29-DEC-2009	00:16:09.733
EGOI_091229MMEP2457.E2	29-DEC-2009	05:23:22.126
EGOI_091229MMEP2466.E2	29-DEC-2009	07:05:09.253
EGOI_091229MMEP2474.E2	29-DEC-2009	08:46:05.380
EGOI_091229MMEP2482.E2	29-DEC-2009	12:06:53.123
EGOI_091229MMEP2498.E2	29-DEC-2009	22:04:16.317
EGOI_091229MSEP9472.E2	29-DEC-2009	00:54:17.470
EGOI_091229MSEP9495.E2	29-DEC-2009	11:31:21.407
EGOI_091229MSEP9519.E2	29-DEC-2009	13:12:05.524
EGOI_091229MSEP9546.E2	29-DEC-2009	22:40:18.044
EGOI_091229SGEP2525.E2	29-DEC-2009	03:15:07.839
EGOI_091229SGEP2533.E2	29-DEC-2009	04:56:27.962
EGOI_091229SGEP2541.E2	29-DEC-2009	14:12:44.901
EGOI_091229SGEP2547.E2	29-DEC-2009	15:50:09.505

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1.3 - List of data gaps

Station	Orbit	Date	Start Time	Stop Time	Duration (s)
KS	76813	29-DEC-2009	06:17:38.836	06:19:11.971	93.135000
KS	76814	29-DEC-2009	07:56:42.143	07:59:03.593	141.45000
KS	76815	29-DEC-2009	09:36:18.516	09:38:41.704	143.18800
KS	76816	29-DEC-2009	11:15:52.469	11:18:18.321	145.85200
KS	76817	29-DEC-2009	12:55:06.351	12:57:29.437	143.08600

KS	76818	29-DEC-2009	14:33:51.552	14:36:19.545	147.99300
KS	76819	29-DEC-2009	16:11:32.920	16:13:59.149	146.22900
KS	76820	29-DEC-2009	17:49:27.395	17:52:02.757	155.36200
KS	76821	29-DEC-2009	19:28:00.447	19:30:00.363	119.91600
KS	76822	29-DEC-2009	21:08:19.629	21:10:12.986	113.35700
KS	76823	29-DEC-2009	22:50:57.518	22:52:49.614	112.09600
GS	76810	29-DEC-2009	00:59:22.511	01:00:52.013	89.502000
GS	76811	29-DEC-2009	02:35:44.912	02:37:30.107	105.19500
GS	76812	29-DEC-2009	04:16:47.407	04:18:36.729	109.32200
MS	76816	29-DEC-2009	11:28:48.904	11:31:21.407	152.50300
MS	76817	29-DEC-2009	13:09:38.677	13:12:05.523	146.84600
MS	76823	29-DEC-2009	22:38:18.711	22:40:18.044	119.33300
MA	76815	29-DEC-2009	09:44:21.694	09:46:19.255	117.56100
MI	76811	29-DEC-2009	02:32:00.882	02:34:16.587	135.70500
MI	76812	29-DEC-2009	04:10:42.489	04:13:41.203	178.71400
MI	76818	29-DEC-2009	14:52:15.710	14:54:25.658	129.94800
MI	76819	29-DEC-2009	16:30:29.448	16:32:44.264	134.81600
MM	76809	29-DEC-2009	00:14:45.795	00:16:09.733	83.938000
MM	76814	29-DEC-2009	08:44:53.316	08:46:05.380	72.064000
MM	76816	29-DEC-2009	12:05:08.969	12:06:53.122	104.15300
MM	76822	29-DEC-2009	22:02:03.480	22:04:16.316	132.83600
MM	76823	29-DEC-2009	23:42:51.703	23:44:34.934	103.23100
BE	76811	29-DEC-2009	03:01:42.568	03:04:13.776	151.20800
BE	76812	29-DEC-2009	04:42:19.349	04:44:48.890	149.54100
SG	76811	29-DEC-2009	03:12:48.617	03:15:07.838	139.22100
SG	76812	29-DEC-2009	04:54:46.130	04:56:27.962	101.83200
SG	76817	29-DEC-2009	14:10:46.578	14:12:44.900	118.32200
SG	76818	29-DEC-2009	15:47:36.802	15:50:09.504	152.70200
CM	76819	29-DEC-2009	16:33:06.538	16:34:30.775	84.237000

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1.4 - List of missing products

Station	Orbit	Date	Start Time	Stop Time	Duration (s)
HO	76809	29-DEC-2009	00:03:36.681	00:18:10.305	873.62400
HO	76810	29-DEC-2009	01:45:47.490	01:56:09.932	622.44200
MM	76810	29-DEC-2009	01:56:58.466	02:06:18.134	559.66800

MM	76811	29-DEC-2009	03:39:58.874	03:46:57.545	418.67100
JO	76813	29-DEC-2009	06:44:57.803	06:55:21.825	624.02200
MA	76814	29-DEC-2009	08:06:33.524	08:16:14.157	580.63300
JO	76814	29-DEC-2009	08:21:20.669	08:36:21.354	900.68500
MM	76815	29-DEC-2009	10:25:08.086	10:36:30.733	682.64700
JO	76815	29-DEC-2009	10:05:02.946	10:12:16.294	433.34800
MA	76816	29-DEC-2009	11:25:28.499	11:33:40.288	491.78900
MM	76817	29-DEC-2009	13:44:55.916	13:57:39.709	763.79300
BE	76818	29-DEC-2009	14:18:21.871	14:31:44.318	802.44700
MM	76818	29-DEC-2009	15:24:27.058	15:37:05.309	758.25100
GS	76818	29-DEC-2009	14:45:34.826	14:56:23.625	648.79900
BE	76819	29-DEC-2009	16:02:00.164	16:08:31.294	391.13000
MM	76819	29-DEC-2009	17:03:42.544	17:16:14.168	751.62400
GS	76819	29-DEC-2009	16:24:31.018	16:38:13.528	822.51000
MM	76820	29-DEC-2009	18:42:50.537	18:55:26.639	756.10200
GS	76820	29-DEC-2009	18:05:14.209	18:14:04.352	530.14300
JO	76820	29-DEC-2009	19:05:16.277	19:12:58.634	462.35700
MM	76821	29-DEC-2009	20:22:09.644	20:34:53.474	763.83000
MA	76821	29-DEC-2009	19:24:22.866	19:33:29.827	546.96100
JO	76821	29-DEC-2009	20:41:24.195	20:56:25.441	901.24600
MA	76822	29-DEC-2009	21:00:04.103	21:13:37.210	813.10700
JO	76822	29-DEC-2009	22:22:29.864	22:32:38.839	608.97500
HO	76823	29-DEC-2009	23:32:31.284	23:46:53.393	862.10900
MA	76823	29-DEC-2009	22:45:40.979	22:50:13.002	272.02300

[BACK TO MENU]

1.5 - List of corrupted products

Station	Orbit	Time

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2 - Instrument Indicators and Daily Plots

2.1 - Instrument Indicators Status

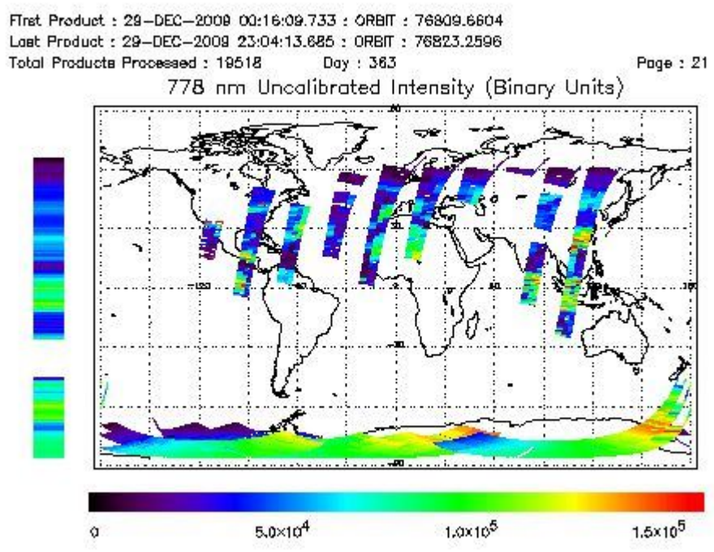
Indicator	Value
MPH Product Confidence	OK
SPH Product Confidence	OK
Command Word Echo Summary	OK
Instrument Status 1A	OK
Instrument Status 1B	OK
Instrument Status 2	OK

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

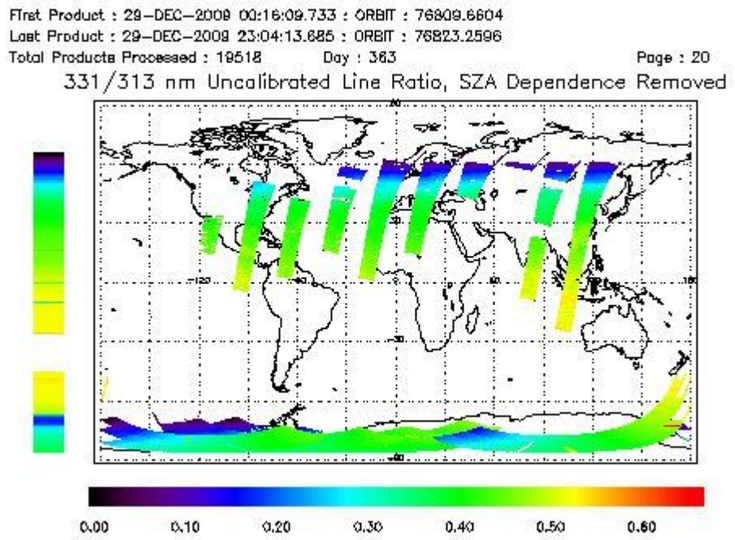
2.2 - Daily Plots

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

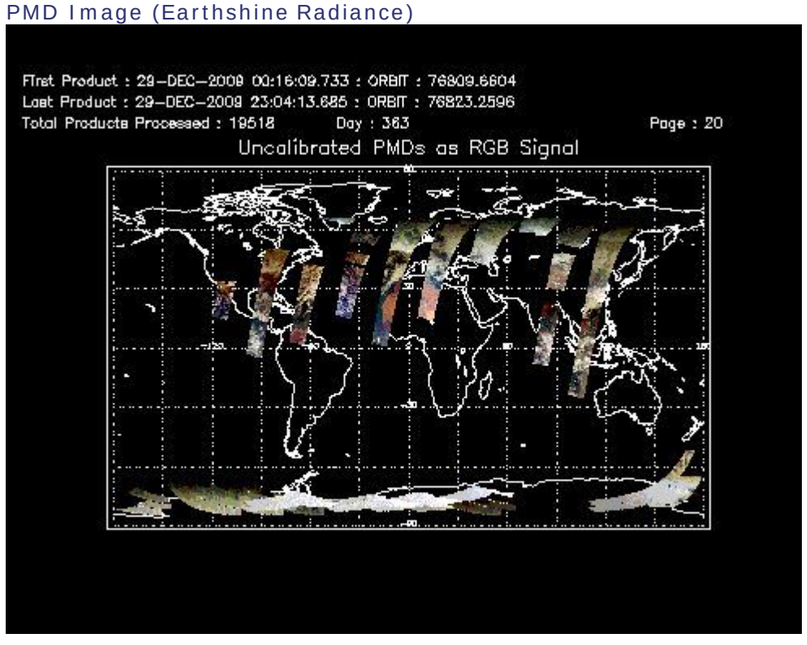
NEAR IR Intensity



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	13:05:03.980	--	76817	Yes	--	15563

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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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