GOME Daily Report

INDEX

1 - General Info

1.1 - Report Summary

Item	Value
Report Version	GOMEver3_3
Report of Day	06-DEC-2009
Start Time of First Product	23:49:34 (05-DEC-2009)
Stop Time of Last Product	23:27:00
Number of EGOI Products analysed	33
Number of corrupted products	--
Anomalies and/or Special Operations	Narrow swath timeline continued during whole day, but it should have been stopped the day before (05-DEC-2009) at around 12:00

1.2 - List of received products

Name	Date	Time
OI_091206GSEP4574.E2;1	06-DEC-2009	01:22:55.043
EGOI_091206GSEP4602.E2	06-DEC-2009	03:00:15.142
EGOI_091206GSEP4629.E2	06-DEC-2009	04:42:33.773
EGOI_091206GSEP4636.E2	06-DEC-2009	06:24:31.404
EGOI_091206HLEP4465.E2	06-DEC-2009	22:23:17.827
EGOI_091206KSEP4782.E2	05-DEC-2009	23:49:34.973
EGOI_091206KSEP4800.E2	06-DEC-2009	06:41:54.009
EGOI_091206KSEP4830.E2	06-DEC-2009	08:21:50.129
EGOI_091206KSEP4852.E2	06-DEC-2009	10:01:31.239

EGOI_091206KSEP4878.E2	06-DEC-2009	11:41:06.359
EGOI_091206KSEP4897.E2	06-DEC-2009	13:20:08.468
EGOI_091206KSEP4911.E2	06-DEC-2009	14:58:49.575
EGOI_091206KSEP4929.E2	06-DEC-2009	16:36:26.184
EGOI_091206KSEP4960.E2	06-DEC-2009	18:14:23.792
EGOI_091206KSEP4995.E2	06-DEC-2009	19:52:57.397
EGOI_091206KSEP5021.E2	06-DEC-2009	21:33:35.524
EGOI_091206KSEP5042.E2	06-DEC-2009	23:16:33.159
EGOI_091206MAEP6575.E2	06-DEC-2009	08:29:48.676
EGOI_091206MAEP6591.E2	06-DEC-2009	10:08:56.790
EGOI_091206MAEP6609.E2	06-DEC-2009	21:25:42.977
EGOI_091206MIEP6573.E2	06-DEC-2009	02:56:15.119
EGOI_091206MIEP6599.E2	06-DEC-2009	04:36:32.233
EGOI_091206MIEP6620.E2	06-DEC-2009	15:16:31.685
EGOI_091206MIEP6648.E2	06-DEC-2009	16:56:00.806
EGOI_091206MSEP6752.E2	06-DEC-2009	10:16:29.838
EGOI_091206MSEP6782.E2	06-DEC-2009	11:54:00.435
EGOI_091206MSEP6802.E2	06-DEC-2009	13:36:04.066
EGOI_091206MSEP6819.E2	06-DEC-2009	21:27:15.985
EGOI_091206MSEP6851.E2	06-DEC-2009	23:02:39.069
EGOI_091206SGEP1873.E2	06-DEC-2009	02:02:28.286
EGOI_091206SGEP1880.E2	06-DEC-2009	03:37:54.373
EGOI_091206SGEP1886.E2	06-DEC-2009	14:43:02.981
EGOI_091206SGEP1893.E2	06-DEC-2009	16:21:15.586

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1.3 - List of data gaps

Station	Orbit	Date	Start Time	Stop Time	Duration (s)
KS	76484	06-DEC-2009	06:40:08.954	06:41:54.008	105.05400
KS	76485	06-DEC-2009	08:19:27.321	08:21:50.128	142.80700
KS	76486	06-DEC-2009	09:59:04.847	10:01:31.238	146.39100
KS	76487	06-DEC-2009	11:38:35.796	11:41:06.359	150.56300
KS	76488	06-DEC-2009	13:17:42.387	13:20:08.467	146.08000
KS	76489	06-DEC-2009	14:56:18.663	14:58:49.575	150.91200
KS	76490	06-DEC-2009	16:33:56.000	16:36:26.183	150.18300
KS	76491	06-DEC-2009	18:11:46.609	18:14:23.791	157.18200
KS	76492	06-DEC-2009	19:50:46.201	19:52:57.396	131.19500
KS	76493	06-DEC-2009	21:31:33.207	21:33:35.523	122.31600
KS	76494	06-DEC-2009	23:14:51.148	23:16:33.159	102.01100
GS	76481	06-DEC-2009	01:20:57.677	01:22:55.043	117.36600
GS	76482	06-DEC-2009	02:58:24.574	03:00:15.142	110.56800

GS	76483	06-DEC-2009	04:40:49.140	04:42:33.772	104.63200
MS	76486	06-DEC-2009	10:14:00.794	10:16:29.837	149.04300
MS	76487	06-DEC-2009	11:51:27.498	11:54:00.435	152.93700
MS	76494	06-DEC-2009	23:00:44.419	23:02:39.069	114.65000
MA	76485	06-DEC-2009	08:28:21.458	08:29:48.676	87.218000
MA	76486	06-DEC-2009	10:07:08.310	10:08:56.789	108.47900
MA	76493	06-DEC-2009	21:23:11.241	21:25:42.977	151.73600
MI	76482	06-DEC-2009	02:53:58.185	02:56:15.119	136.93400
MI	76483	06-DEC-2009	04:34:18.596	04:36:32.232	133.63600
MI	76489	06-DEC-2009	15:14:12.351	15:16:31.684	139.33300
MI	76490	06-DEC-2009	16:53:36.221	16:56:00.805	144.58400
SG	76482	06-DEC-2009	03:35:25.383	03:37:54.372	148.98900
SG	76482	06-DEC-2009	03:44:42.412	03:49:16.039	273.62700

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1.4 - List of missing products

Station	Orbit	Date	Start Time	Stop Time	Duration (s)
HO	76480	06-DEC-2009	00:26:14.532	00:40:52.434	877.90200
MM	76480	06-DEC-2009	00:38:01.975	00:48:55.772	653.79700
BE	76481	06-DEC-2009	01:45:58.003	01:56:45.763	647.76000
MM	76481	06-DEC-2009	02:20:28.258	02:29:15.852	527.59400
BE	76482	06-DEC-2009	03:24:28.806	03:37:42.075	793.26900
MM	76482	06-DEC-2009	04:03:32.958	04:10:04.036	391.07800
CM	76482	06-DEC-2009	02:54:50.711	03:03:19.576	508.86500
CM	76482	06-DEC-2009	04:32:03.570	04:44:00.162	716.59200
MM	76483	06-DEC-2009	05:46:05.677	05:51:58.277	352.60000
MM	76484	06-DEC-2009	07:27:19.337	07:34:58.862	459.52500
JO	76484	06-DEC-2009	07:06:18.730	07:18:53.028	754.29800
MM	76485	06-DEC-2009	09:07:49.541	09:17:48.736	599.19500
JO	76485	06-DEC-2009	08:44:15.557	08:58:53.512	877.95500
MM	76486	06-DEC-2009	10:48:00.880	10:59:42.365	701.48500
MM	76487	06-DEC-2009	12:27:58.706	12:40:31.470	752.76400
MA	76487	06-DEC-2009	11:48:56.295	11:54:34.570	338.27500
HO	76488	06-DEC-2009	14:16:36.882	14:29:24.322	767.44000
MM	76488	06-DEC-2009	14:07:42.203	14:20:25.994	763.79100
BE	76489	06-DEC-2009	14:41:20.451	14:54:19.236	778.78500

MM	76489	06-DEC-2009	15:47:09.571	15:59:45.679	756.10800
GS	76489	06-DEC-2009	15:07:59.745	15:21:08.561	788.81600
CM	76489	06-DEC-2009	15:18:21.654	15:26:52.078	510.42400
MM	76490	06-DEC-2009	17:26:22.236	17:38:53.857	751.62100
GS	76490	06-DEC-2009	16:47:22.316	17:00:33.617	791.30100
CM	76490	06-DEC-2009	16:56:00.556	17:07:51.868	711.31200
MM	76491	06-DEC-2009	19:05:30.785	19:18:09.030	758.24500
JO	76491	06-DEC-2009	19:26:22.092	19:37:40.451	678.35900
MM	76492	06-DEC-2009	20:44:55.780	20:57:39.674	763.89400
MA	76492	06-DEC-2009	19:44:18.177	19:56:44.564	746.38700
JO	76492	06-DEC-2009	21:04:08.737	21:19:00.572	891.83500
MM	76493	06-DEC-2009	22:25:00.575	22:37:26.374	745.79900
JO	76493	06-DEC-2009	22:46:48.376	22:53:00.619	372.24300
HO	76494	06-DEC-2009	23:55:08.668	00:09:38.960	870.29200

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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

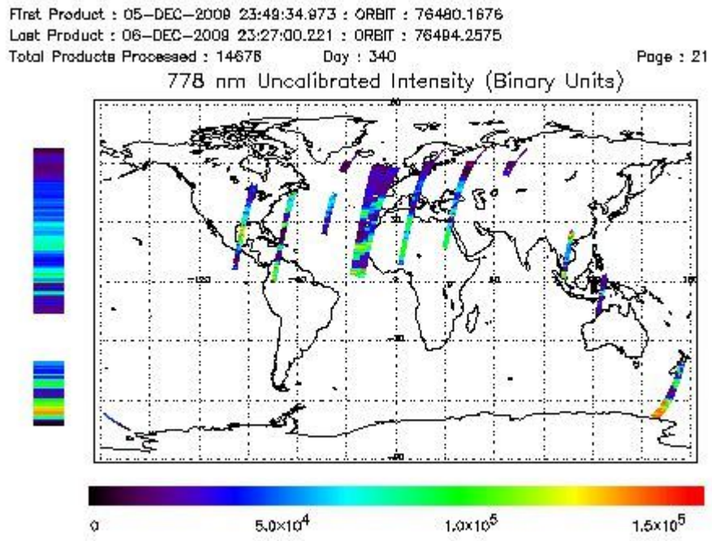
Indicator	Value
MPH Product Confidence	OK
SPH Product Confidence	OK
Command Word Echo Summary	OK
Instrument Status 1A	OK
Instrument Status 1B	OK
Instrument Status 2	OK
Integration Times Channel 1	OK
Co-Adding and Cluster Mode Flags	OK
Integration Times Band 2A	OK
Integration Times Band 2B	OK
Integration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

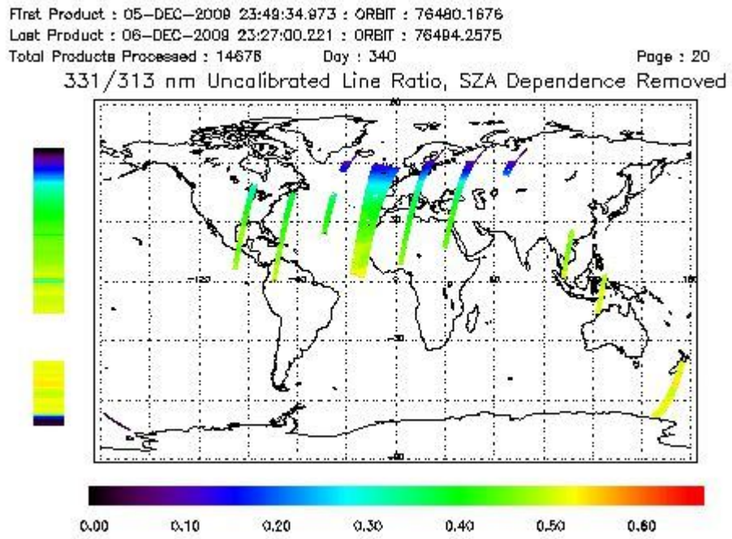
2.2 - Daily Plots

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

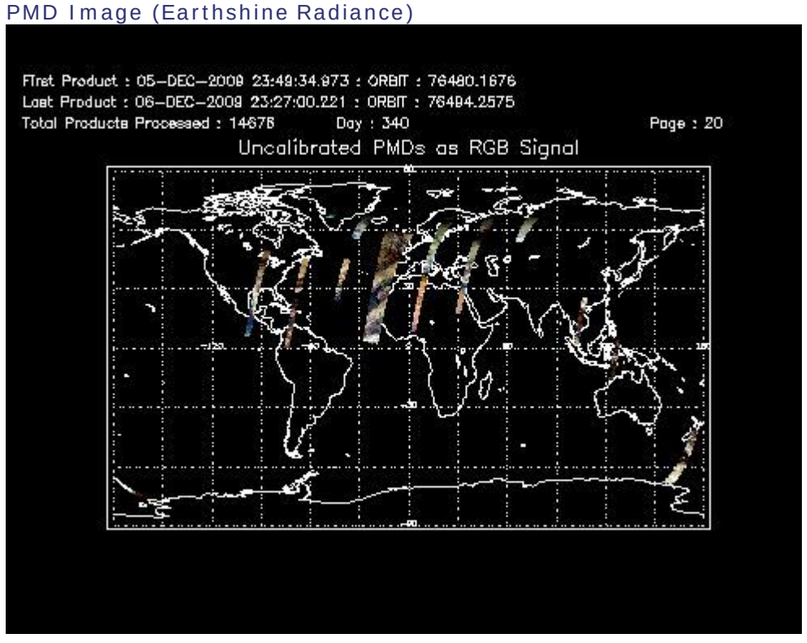
NEAR IR Intensity



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	11:47:16	--	76487	Yes	--	15769

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
21:40 (04-DEC-2009)	--	76464	--

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