GOME Daily Report

INDEX

1 - General Info

1.1 - Report Summary

Item	Value
Report Version	GOMEver3_3
Report of Day	09-DEC-2009
Start Time of First Product	23:55:40 (08-Dec)
Stop Time of Last Product	23:32:41
Number of EGOI Products analysed	37
Number of corrupted products	1
Anomalies and/or Special Operations	No Solar Calibration measurements available due to the execution of an ERS-2 orbit manoeuvre

1.2 - List of received products

Name	Date	Time
OI_091209GSEP4820.E2;1	09-DEC-2009	01:28:18.811
EGOI_091209GSEP4847.E2	09-DEC-2009	03:05:58.414
EGOI_091209GSEP4873.E2	09-DEC-2009	04:48:36.552
EGOI_091209GSEP4880.E2	09-DEC-2009	06:30:26.684
EGOI_091209KSEP5659.E2	08-DEC-2009	23:55:39.238
EGOI_091209KSEP5680.E2	09-DEC-2009	06:47:34.285
EGOI_091209KSEP5702.E2	09-DEC-2009	08:27:31.912
EGOI_091209KSEP5727.E2	09-DEC-2009	10:07:13.024
EGOI_091209KSEP5752.E2	09-DEC-2009	11:46:46.647

EGOI_091209KSEP5773.E2	09-DEC-2009	13:25:45.760
EGOI_091209KSEP5785.E2	09-DEC-2009	15:04:28.372
EGOI_091209KSEP5815.E2	09-DEC-2009	16:42:00.473
EGOI_091209KSEP5848.E2	09-DEC-2009	18:20:01.077
EGOI_091209KSEP5884.E2	09-DEC-2009	19:58:33.189
EGOI_091209KSEP5912.E2	09-DEC-2009	21:39:26.313
EGOI_091209KSEP5939.E2	09-DEC-2009	23:22:28.456
EGOI_091209MAEP6710.E2	09-DEC-2009	08:35:22.959
EGOI_091209MAEP6726.E2	09-DEC-2009	10:14:37.075
EGOI_091209MAEP6746.E2	09-DEC-2009	21:31:23.266
EGOI_091209MIEP6872.E2	09-DEC-2009	03:01:46.395
EGOI_091209MIEP6897.E2	09-DEC-2009	04:42:30.513
EGOI_091209MIEP6920.E2	09-DEC-2009	15:21:56.980
EGOI_091209MIEP6948.E2	09-DEC-2009	17:01:47.095
EGOI_091209MMEP1334.E2	09-DEC-2009	02:27:29.679
EGOI_091209MMEP1341.E2	09-DEC-2009	04:10:12.310
EGOI_091209MMEP1349.E2	09-DEC-2009	05:52:35.444
EGOI_091209MMEP1357.E2	09-DEC-2009	07:34:06.075
EGOI_091209MMEP1365.E2	09-DEC-2009	09:14:51.698
EGOI_091209MMEP1373.E2	09-DEC-2009	10:55:11.826
EGOI_091209MMEP1381.E2	09-DEC-2009	12:35:07.943
EGOI_091209MMEP1392.E2	09-DEC-2009	20:52:26.024
EGOI_091209MMEP1400.E2	09-DEC-2009	22:32:34.143
EGOI_091209MSEP7117.E2	09-DEC-2009	10:21:58.119
EGOI_091209MSEP7146.E2	09-DEC-2009	11:59:40.723
EGOI_091209MSEP7158.E2	09-DEC-2009	13:42:48.863
EGOI_091209MSEP7175.E2	09-DEC-2009	21:32:45.774
EGOI_091209MSEP7207.E2	09-DEC-2009	23:08:37.370

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1.3 - List of data gaps

Station	Orbit	Date	Start Time	Stop Time	Duration (s)
KS	76523	08-DEC-2009	23:54:12.979	23:55:39.238	86.259000
KS	76527	09-DEC-2009	06:45:47.762	06:47:34.285	106.52300
KS	76528	09-DEC-2009	08:25:08.748	08:27:31.911	143.16300
KS	76529	09-DEC-2009	10:04:46.383	10:07:13.024	146.64100
KS	76530	09-DEC-2009	11:44:16.442	11:46:46.646	150.20400
KS	76531	09-DEC-2009	13:23:21.043	13:25:45.759	144.71600
KS	76532	09-DEC-2009	15:01:53.274	15:04:28.372	155.09800
KS	76533	09-DEC-2009	16:39:29.826	16:42:00.473	150.64700
KS	76534	09-DEC-2009	18:17:23.791	18:20:01.076	157.28500
KS	76535	09-DEC-2009	19:56:28.502	19:58:33.188	124.68600

KS	76536	09-DEC-2009	21:37:22.779	21:39:26.313	123.53400
KS	76537	09-DEC-2009	23:20:51.561	23:22:28.455	96.894000
GS	76524	09-DEC-2009	01:26:24.286	01:28:18.811	114.52500
GS	76525	09-DEC-2009	03:04:06.643	03:05:58.413	111.77000
GS	76526	09-DEC-2009	04:46:55.599	04:48:36.551	100.95200
MS	76529	09-DEC-2009	10:19:26.528	10:21:58.119	151.59100
MS	76530	09-DEC-2009	11:57:09.628	11:59:40.722	151.09400
MS	76537	09-DEC-2009	23:06:23.805	23:08:37.369	133.56400
MA	76528	09-DEC-2009	08:33:56.120	08:35:22.959	86.839000
MA	76529	09-DEC-2009	10:12:51.138	10:14:37.075	105.93700
MA	76536	09-DEC-2009	21:28:58.311	21:31:23.265	144.95400
MI	76525	09-DEC-2009	02:59:31.186	03:01:46.395	135.20900
MI	76526	09-DEC-2009	04:40:18.294	04:42:30.513	132.21900
MI	76532	09-DEC-2009	15:19:45.350	15:21:56.979	131.62900
MI	76533	09-DEC-2009	16:59:25.608	17:01:47.094	141.48600
MM	76524	09-DEC-2009	02:26:21.075	02:27:29.678	68.603000
MM	76527	09-DEC-2009	07:33:04.715	07:34:06.074	61.359000
MM	76528	09-DEC-2009	09:13:33.450	09:14:51.698	78.248000
MM	76529	09-DEC-2009	10:53:43.973	10:55:11.826	87.853000
MM	76530	09-DEC-2009	12:33:41.024	12:35:07.942	86.918000
MM	76535	09-DEC-2009	20:50:37.633	20:52:26.024	108.39100
MM	76536	09-DEC-2009	22:30:45.321	22:32:34.143	108.82200

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1.4 - List of missing products

Station	Orbit	Date	Start Time	Stop Time	Duration (s)
HO	76523	09-DEC-2009	00:32:01.441	00:46:32.322	870.88100
MM	76523	09-DEC-2009	00:43:51.557	00:54:39.320	647.76300
BE	76524	09-DEC-2009	01:51:29.316	02:02:42.856	673.54000
SG	76524	09-DEC-2009	02:05:04.774	02:12:46.616	461.84200
BE	76525	09-DEC-2009	03:30:11.454	03:43:18.205	786.75100
SG	76525	09-DEC-2009	03:41:07.599	03:54:53.507	825.90800
CM	76525	09-DEC-2009	03:00:07.114	03:09:18.138	551.02400
CM	76526	09-DEC-2009	06:18:27.338	06:30:09.919	702.58100
JO	76527	09-DEC-2009	07:11:43.853	07:24:42.469	778.61600
JO	76528	09-DEC-2009	08:50:02.296	09:04:29.541	867.24500

HO	76529	09-DEC-2009	11:05:10.971	11:13:57.526	526.55500
HO	76530	09-DEC-2009	12:42:26.071	12:57:09.793	883.72200
MA	76530	09-DEC-2009	11:55:05.036	11:59:33.745	268.70900
HO	76531	09-DEC-2009	14:22:22.823	14:34:55.516	752.69300
MM	76531	09-DEC-2009	14:13:23.643	14:26:07.267	763.62400
SG	76531	09-DEC-2009	14:37:30.285	14:49:44.275	733.99000
BE	76532	09-DEC-2009	14:47:07.889	14:59:56.524	768.63500
MM	76532	09-DEC-2009	15:52:50.071	16:05:25.670	755.59900
GS	76532	09-DEC-2009	15:13:37.425	15:26:57.035	799.61000
SG	76532	09-DEC-2009	16:16:37.876	16:28:49.139	731.26300
CM	76532	09-DEC-2009	15:23:40.966	15:32:56.105	555.13900
MM	76533	09-DEC-2009	17:32:02.111	17:44:33.837	751.72600
GS	76533	09-DEC-2009	16:53:05.869	17:06:06.502	780.63300
CM	76533	09-DEC-2009	17:01:46.928	17:13:23.497	696.56900
MM	76534	09-DEC-2009	19:11:10.969	19:23:49.759	758.79000
JO	76534	09-DEC-2009	19:31:47.022	19:43:41.442	714.42000
MA	76535	09-DEC-2009	19:49:48.547	20:02:37.440	768.89300
JO	76535	09-DEC-2009	21:09:51.556	21:24:36.545	884.98900
HO	76536	09-DEC-2009	22:23:26.253	22:35:22.557	716.30400

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1.5 - List of corrupted products

Station	Orbit	Time
MI	76532	15:22:52.483

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2 - Instrument Indicators and Daily Plots

2.1 - Instrument Indicators Status

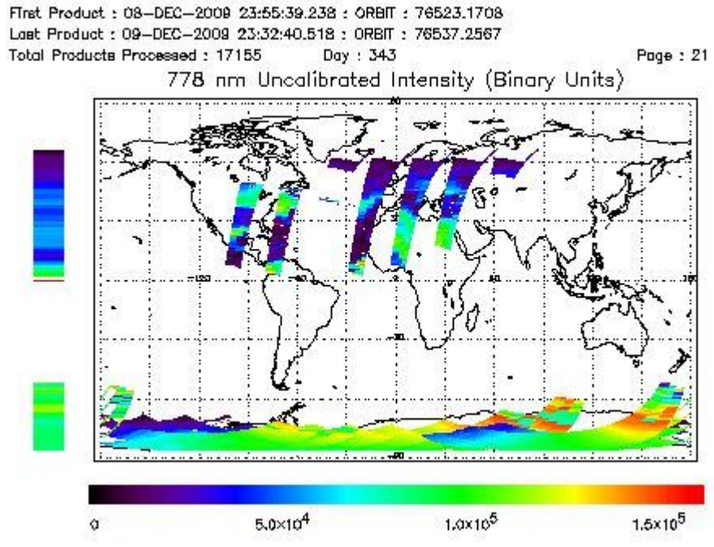
Indicator	Value
MPH Product Confidence	OK
SPH Product Confidence	OK
Command Word Echo Summary	OK
Instrument Status 1A	OK
Instrument Status 1B	OK
Instrument Status 2	OK
Integration Times Channel 1	OK
Co-Adding and Cluster Mode Flags	OK
Integration Times Band 2A	OK
Integration Times Band 2B	OK
Integration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

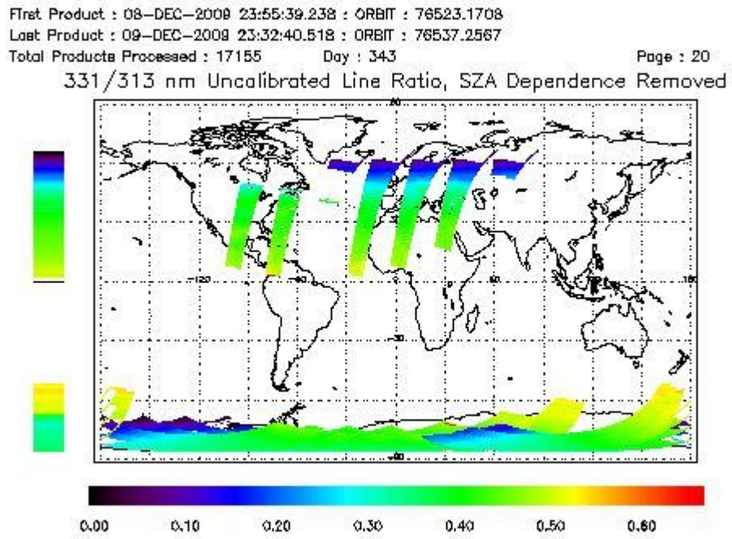
2.2 - Daily Plots

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

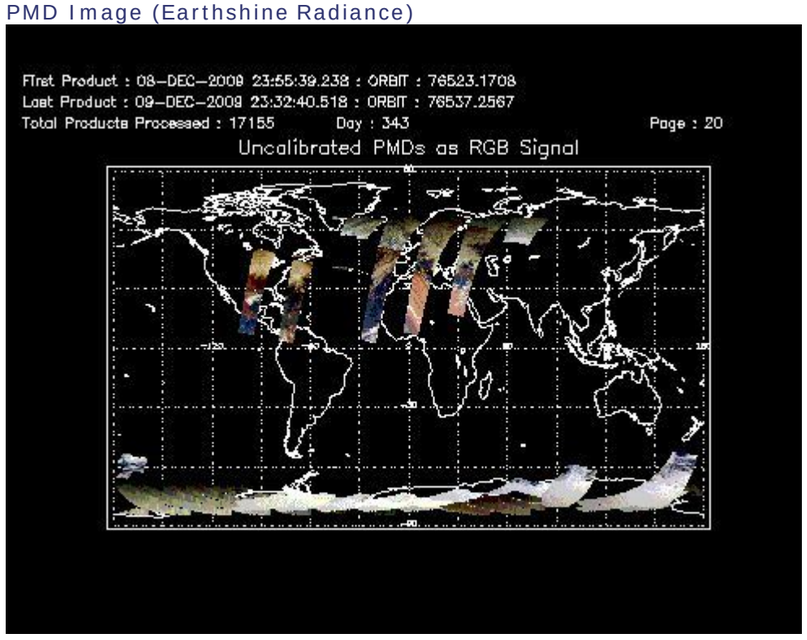
NEAR IR Intensity



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)
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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