GOME Daily Report

INDEX

1 - General Info

1.1 - Report Summary

Item	Value
Report Version	GOMEver3_3
Report of Day	21-NOV-2009
Start Time of First Product	00:48:09
Stop Time of Last Product	23:51:31
Number of EGOI Products analysed	38
Number of corrupted products	--
Anomalies and/or Special Operations	Nominal Data

1.2 - List of received products

Name	Date	Time
OI_091121BEEP1236.E2;1	21-NOV-2009	02:58:32.745
EGOI_091121BEEP1242.E2	21-NOV-2009	04:39:15.368
EGOI_091121GSEP3520.E2	21-NOV-2009	00:55:34.986
EGOI_091121GSEP3552.E2	21-NOV-2009	02:31:59.577
EGOI_091121GSEP3582.E2	21-NOV-2009	04:12:51.203
EGOI_091121GSEP3589.E2	21-NOV-2009	05:55:12.834
EGOI_091121KSEP0243.E2	21-NOV-2009	06:13:41.444
EGOI_091121KSEP0274.E2	21-NOV-2009	07:53:31.566
EGOI_091121KSEP0297.E2	21-NOV-2009	09:33:06.685

EGOI_091121KSEP0331.E2	21-NOV-2009	11:12:43.297
EGOI_091121KSEP0363.E2	21-NOV-2009	12:51:57.413
EGOI_091121KSEP0376.E2	21-NOV-2009	14:30:47.521
EGOI_091121KSEP0405.E2	21-NOV-2009	16:08:31.633
EGOI_091121KSEP0437.E2	21-NOV-2009	17:46:32.233
EGOI_091121KSEP0473.E2	21-NOV-2009	19:24:26.841
EGOI_091121KSEP0503.E2	21-NOV-2009	21:04:30.465
EGOI_091121KSEP0532.E2	21-NOV-2009	22:47:32.596
EGOI_091121MAEP6113.E2	21-NOV-2009	09:40:47.228
EGOI_091121MAEP6133.E2	21-NOV-2009	20:56:54.418
EGOI_091121MIEP5143.E2	21-NOV-2009	02:28:56.557
EGOI_091121MIEP5169.E2	21-NOV-2009	14:49:08.639
EGOI_091121MIEP5197.E2	21-NOV-2009	16:27:06.243
EGOI_091121MMEP1062.E2	21-NOV-2009	10:20:54.976
EGOI_091121MMEP1070.E2	21-NOV-2009	12:01:19.599
EGOI_091121MMEP1079.E2	21-NOV-2009	13:40:45.712
EGOI_091121MMEP1086.E2	21-NOV-2009	15:20:19.331
EGOI_091121MMEP1093.E2	21-NOV-2009	18:39:28.066
EGOI_091121MMEP1101.E2	21-NOV-2009	20:18:30.175
EGOI_091121MMEP1109.E2	21-NOV-2009	21:58:45.794
EGOI_091121MMEP1117.E2	21-NOV-2009	23:39:01.418
EGOI_091121MSEP4977.E2	21-NOV-2009	00:48:09.443
EGOI_091121MSEP4997.E2	21-NOV-2009	11:25:47.880
EGOI_091121MSEP5021.E2	21-NOV-2009	13:06:24.501
EGOI_091121MSEP5054.E2	21-NOV-2009	22:34:49.018
EGOI_091121SGEP1483.E2	21-NOV-2009	03:09:23.812
EGOI_091121SGEP1492.E2	21-NOV-2009	04:52:34.942
EGOI_091121SGEP1497.E2	21-NOV-2009	14:07:27.880
EGOI_091121SGEP1505.E2	21-NOV-2009	15:44:31.484

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1.3 - List of data gaps

Station	Orbit	Date	Start Time	Stop Time	Duration (s)
KS	76269	21-NOV-2009	06:12:03.219	06:13:41.443	98.224000
KS	76270	21-NOV-2009	07:51:01.017	07:53:31.565	150.54800
KS	76271	21-NOV-2009	09:30:36.900	09:33:06.684	149.78400
KS	76272	21-NOV-2009	11:10:11.469	11:12:43.297	151.82800
KS	76273	21-NOV-2009	12:49:27.007	12:51:57.413	150.40600
KS	76274	21-NOV-2009	14:28:14.104	14:30:47.521	153.41700
KS	76275	21-NOV-2009	16:05:58.069	16:08:31.632	153.56300
KS	76276	21-NOV-2009	17:43:53.572	17:46:32.232	158.66000
KS	76277	21-NOV-2009	19:22:19.836	19:24:26.841	127.00500

KS	76278	21-NOV-2009	21:02:32.367	21:04:30.465	118.09800
KS	76279	21-NOV-2009	22:45:00.915	22:47:32.595	151.68000
GS	76266	21-NOV-2009	00:54:01.937	00:55:34.985	93.048000
GS	76267	21-NOV-2009	02:30:09.869	02:31:59.576	109.70700
GS	76268	21-NOV-2009	04:10:51.569	04:12:51.202	119.63300
MS	76266	21-NOV-2009	00:46:29.062	00:48:09.442	100.38000
MS	76272	21-NOV-2009	11:23:09.472	11:25:47.879	158.40700
MS	76273	21-NOV-2009	13:03:45.602	13:06:24.500	158.89800
MS	76279	21-NOV-2009	22:32:45.337	22:34:49.017	123.68000
MA	76271	21-NOV-2009	09:38:41.232	09:40:47.227	125.99500
MA	76278	21-NOV-2009	20:54:15.176	20:56:54.417	159.24100
MI	76267	21-NOV-2009	02:26:35.741	02:28:56.557	140.81600
MI	76274	21-NOV-2009	14:46:51.743	14:49:08.638	136.89500
MI	76275	21-NOV-2009	16:24:45.077	16:27:06.243	141.16600
MM	76271	21-NOV-2009	10:19:24.779	10:20:54.975	90.196000
MM	76272	21-NOV-2009	11:59:26.421	12:01:19.598	113.17700
MM	76273	21-NOV-2009	13:39:14.212	13:40:45.712	91.500000
MM	76274	21-NOV-2009	15:18:46.299	15:20:19.331	93.032000
MM	76276	21-NOV-2009	18:37:10.573	18:39:28.065	137.49200
MM	76277	21-NOV-2009	20:16:28.407	20:18:30.175	121.76800
MM	76278	21-NOV-2009	21:56:19.661	21:58:45.794	146.13300
MM	76279	21-NOV-2009	23:37:04.388	23:39:01.417	117.02900
BE	76267	21-NOV-2009	02:56:02.123	02:58:32.744	150.62100
BE	76268	21-NOV-2009	04:36:28.898	04:39:15.368	166.47000
SG	76267	21-NOV-2009	03:07:12.531	03:09:23.812	131.28100
SG	76268	21-NOV-2009	04:48:36.259	04:52:34.942	238.68300
SG	76273	21-NOV-2009	14:05:37.346	14:07:27.879	110.53300
SG	76274	21-NOV-2009	15:41:52.820	15:44:31.484	158.66400

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1.4 - List of missing products

Station	Orbit	Date	Start Time	Stop Time	Duration (s)
HO	76265	20-NOV-2009	23:57:58.438	00:12:29.488	871.05000
MM	76265	21-NOV-2009	00:08:57.290	00:20:18.729	681.43900
HO	76266	21-NOV-2009	01:39:30.672	01:50:39.868	669.19600
MM	76266	21-NOV-2009	01:51:06.423	02:00:33.886	567.46300

MM	76267	21-NOV-2009	03:34:05.233	03:41:11.390	426.15700
CM	76267	21-NOV-2009	04:03:27.295	04:15:52.516	745.22100
MM	76268	21-NOV-2009	05:16:55.918	05:22:42.336	346.41800
MI	76268	21-NOV-2009	04:04:52.995	04:17:32.374	759.37900
MM	76269	21-NOV-2009	06:58:30.312	07:05:30.699	420.38700
JO	76269	21-NOV-2009	06:39:43.885	06:49:24.341	580.45600
MM	76270	21-NOV-2009	08:39:09.101	08:48:30.580	561.47900
MA	76270	21-NOV-2009	08:01:42.967	08:10:09.416	506.44900
JO	76270	21-NOV-2009	08:15:39.811	08:30:41.483	901.67200
MA	76272	21-NOV-2009	11:19:35.233	11:28:08.897	513.66400
BE	76274	21-NOV-2009	14:12:39.857	14:26:04.308	804.45100
GS	76274	21-NOV-2009	14:40:00.385	14:50:53.533	653.14800
BE	76275	21-NOV-2009	15:55:42.728	16:03:16.679	453.95100
MM	76275	21-NOV-2009	16:58:02.559	17:10:34.290	751.73100
GS	76275	21-NOV-2009	16:18:48.906	16:32:36.400	827.49400
CM	76275	21-NOV-2009	16:27:25.738	16:39:50.997	745.25900
GS	76276	21-NOV-2009	17:59:24.524	18:08:44.994	560.47000
JO	76276	21-NOV-2009	19:00:16.445	19:06:30.544	374.09900
MA	76277	21-NOV-2009	19:19:03.592	19:27:39.454	515.86200
JO	76277	21-NOV-2009	20:35:44.772	20:50:43.866	899.09400
HO	76278	21-NOV-2009	21:51:29.029	22:00:32.919	543.89000
JO	76278	21-NOV-2009	22:16:33.860	22:27:23.005	649.14500
HO	76279	21-NOV-2009	23:26:55.039	23:41:11.639	856.60000
MA	76279	21-NOV-2009	22:39:11.060	22:45:05.641	354.58100

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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

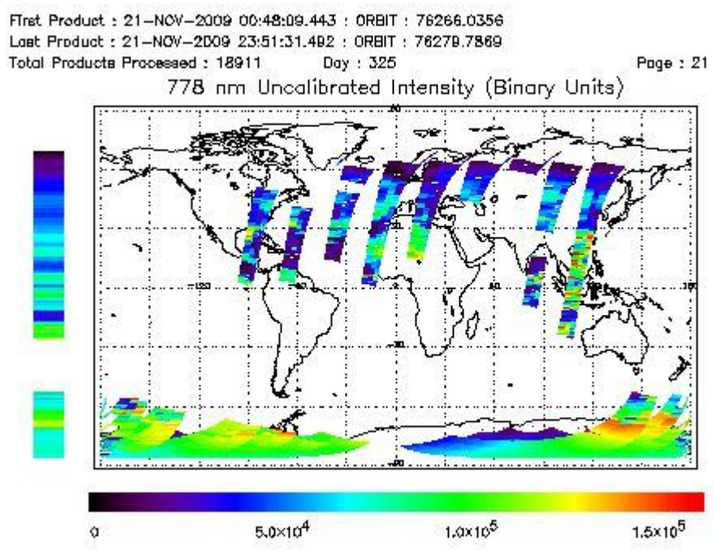
Indicator	Value
MPH Product Confidence	OK
SPH Product Confidence	OK
Command Word Echo Summary	OK
Instrument Status 1A	OK
Instrument Status 1B	OK
Instrument Status 2	OK

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

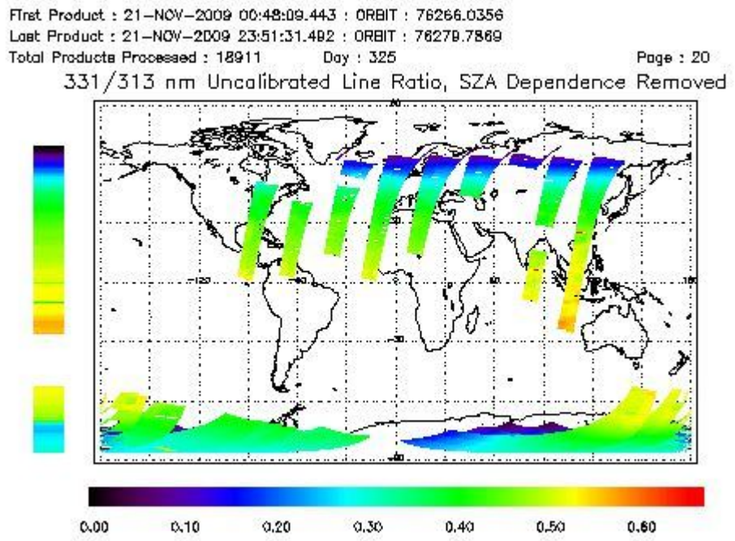
2.2 - Daily Plots

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

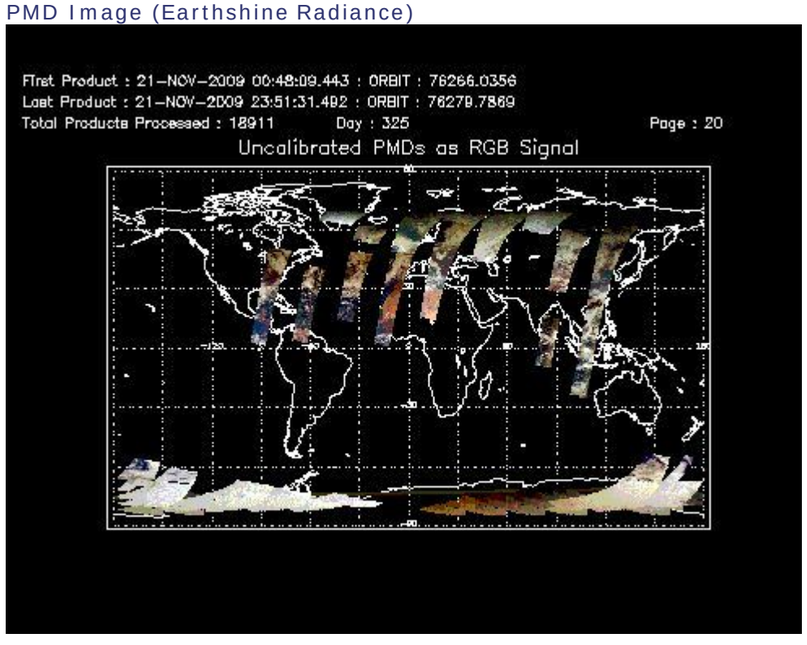
NEAR IR Intensity



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	12:58:25.950	--	76273	Yes	--	15678

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