GOME Daily Report

INDEX

1 - General Info

1.1 - Report Summary

Item	Value
Report Version	GOMEver3_3
Report of Day	17-NOV-2009
Start Time of First Product	23:48:33 (16-Nov)
Stop Time of Last Product	23:24:14
Number of EGOI Products analysed	29
Number of corrupted products	--
Anomalies and/or Special Operations	Nominal Data

1.2 - List of received products

Name	Date	Time
OI_091117GSEP3210.E2;1	17-NOV-2009	01:20:11.533
EGOI_091117GSEP3242.E2	17-NOV-2009	02:57:27.128
EGOI_091117GSEP3270.E2	17-NOV-2009	04:39:39.759
EGOI_091117GSEP3277.E2	17-NOV-2009	06:21:41.889
EGOI_091117KSEP9185.E2	16-NOV-2009	23:48:33.465
EGOI_091117KSEP9200.E2	17-NOV-2009	06:39:10.495
EGOI_091117KSEP9230.E2	17-NOV-2009	08:19:05.110
EGOI_091117KSEP9253.E2	17-NOV-2009	09:58:44.725
EGOI_091117KSEP9278.E2	17-NOV-2009	11:38:21.343

EGOI_091117KSEP9309.E2	17-NOV-2009	13:17:23.458
EGOI_091117KSEP9339.E2	17-NOV-2009	14:56:06.068
EGOI_091117KSEP9356.E2	17-NOV-2009	16:33:44.172
EGOI_091117KSEP9373.E2	17-NOV-2009	23:14:30.147
EGOI_091117MAEP5982.E2	17-NOV-2009	08:27:26.165
EGOI_091117MAEP5997.E2	17-NOV-2009	10:06:10.272
EGOI_091117MAEP6014.E2	17-NOV-2009	21:22:54.957
EGOI_091117MIEP4742.E2	17-NOV-2009	02:53:36.105
EGOI_091117MIEP4769.E2	17-NOV-2009	04:33:38.220
EGOI_091117MIEP4792.E2	17-NOV-2009	15:13:48.179
EGOI_091117MIEP4821.E2	17-NOV-2009	16:53:00.790
EGOI_091117MSEP4494.E2	17-NOV-2009	10:13:53.819
EGOI_091117MSEP4524.E2	17-NOV-2009	11:51:15.422
EGOI_091117MSEP4545.E2	17-NOV-2009	13:33:14.548
EGOI_091117MSEP4562.E2	17-NOV-2009	21:24:41.469
EGOI_091117MSEP4593.E2	17-NOV-2009	22:59:58.561
EGOI_091117SGEP1372.E2	17-NOV-2009	02:00:43.276
EGOI_091117SGEP1380.E2	17-NOV-2009	03:34:49.856
EGOI_091117SGEP1388.E2	17-NOV-2009	14:32:07.424
EGOI_091117SGEP1395.E2	17-NOV-2009	16:10:53.031

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1.3 - List of data gaps

Station	Orbit	Date	Start Time	Stop Time	Duration (s)
KS	76212	17-NOV-2009	06:37:19.703	06:39:10.495	110.79200
KS	76213	17-NOV-2009	08:16:36.625	08:19:05.109	148.48400
KS	76214	17-NOV-2009	09:56:14.071	09:58:44.725	150.65400
KS	76215	17-NOV-2009	11:35:45.444	11:38:21.343	155.89900
KS	76216	17-NOV-2009	13:14:53.003	13:17:23.457	150.45400
KS	76217	17-NOV-2009	14:53:31.291	14:56:06.067	154.77600
KS	76218	17-NOV-2009	16:31:09.097	16:33:44.171	155.07400
KS	76222	17-NOV-2009	23:11:51.264	23:14:30.147	158.88300
GS	76209	17-NOV-2009	01:18:14.766	01:20:11.533	116.76700
GS	76210	17-NOV-2009	02:55:33.868	02:57:27.127	113.25900
GS	76211	17-NOV-2009	04:37:46.987	04:39:39.758	112.77100
MS	76214	17-NOV-2009	10:11:18.487	10:13:53.819	155.33200
MS	76215	17-NOV-2009	11:48:38.213	11:51:15.421	157.20800
MS	76222	17-NOV-2009	22:57:55.166	22:59:58.560	123.39400
MA	76213	17-NOV-2009	08:25:36.265	08:27:26.165	109.90000
MA	76214	17-NOV-2009	10:04:17.073	10:06:10.272	113.19900

MA	76221	17-NOV-2009	21:20:18.113	21:22:54.957	156.84400
MI	76210	17-NOV-2009	02:51:12.202	02:53:36.105	143.90300
MI	76211	17-NOV-2009	04:31:19.732	04:33:38.219	138.48700
MI	76217	17-NOV-2009	15:11:26.343	15:13:48.178	141.83500
MI	76218	17-NOV-2009	16:50:41.975	16:53:00.790	138.81500
SG	76210	17-NOV-2009	03:32:34.728	03:34:49.856	135.12800
SG	76216	17-NOV-2009	14:29:21.921	14:32:07.423	165.50200
SG	76217	17-NOV-2009	16:07:51.481	16:10:53.030	181.54900

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1.4 - List of missing products

Station	Orbit	Date	Start Time	Stop Time	Duration (s)
HO	76208	17-NOV-2009	00:23:24.213	00:38:02.354	878.14100
MM	76208	17-NOV-2009	00:35:07.264	00:46:04.017	656.75300
BE	76209	17-NOV-2009	01:43:12.878	01:53:46.465	633.58700
HO	76209	17-NOV-2009	02:07:51.850	02:13:39.959	348.10900
MM	76209	17-NOV-2009	02:17:31.901	02:26:23.568	531.66700
BE	76210	17-NOV-2009	03:21:37.645	03:34:53.639	795.99400
MM	76210	17-NOV-2009	04:00:36.264	04:07:10.548	394.28400
CM	76210	17-NOV-2009	02:52:14.012	03:00:18.994	484.98200
CM	76210	17-NOV-2009	04:29:10.263	04:41:12.740	722.47700
MM	76211	17-NOV-2009	05:43:11.039	05:49:02.375	351.33600
MM	76212	17-NOV-2009	07:24:26.599	07:32:02.075	455.47600
JO	76212	17-NOV-2009	07:03:36.815	07:15:57.884	741.06900
MM	76213	17-NOV-2009	09:04:57.565	09:14:53.129	595.56400
JO	76213	17-NOV-2009	08:41:22.658	08:56:05.177	882.51900
MM	76214	17-NOV-2009	10:45:09.318	10:56:48.600	699.28200
MM	76215	17-NOV-2009	12:25:07.529	12:37:39.472	751.94300
MA	76215	17-NOV-2009	11:45:54.589	11:52:02.064	367.47500
HO	76216	17-NOV-2009	14:13:43.465	14:26:38.784	775.31900
MM	76216	17-NOV-2009	14:04:51.463	14:17:35.314	763.85100
BE	76217	17-NOV-2009	14:38:27.168	14:51:30.358	783.19000
MM	76217	17-NOV-2009	15:44:19.301	15:56:55.671	756.37000
GS	76217	17-NOV-2009	15:05:11.098	15:18:13.917	782.81900
CM	76217	17-NOV-2009	15:15:43.620	15:23:48.357	484.73700
MM	76218	17-NOV-2009	17:23:32.295	17:36:03.877	751.58200

GS	76218	17-NOV-2009	16:44:30.651	16:57:46.849	796.19800
CM	76218	17-NOV-2009	16:53:07.823	17:05:05.451	717.62800
MM	76219	17-NOV-2009	19:02:40.714	19:15:18.686	757.97200
KS	76219	17-NOV-2009	18:08:58.101	18:22:25.002	806.90100
JO	76219	17-NOV-2009	19:23:40.545	19:34:38.892	658.34700
MM	76220	17-NOV-2009	20:42:04.903	20:54:48.852	763.94900
MA	76220	17-NOV-2009	19:41:33.373	19:53:48.578	735.20500
KS	76220	17-NOV-2009	19:47:55.183	20:01:54.572	839.38900
JO	76220	17-NOV-2009	21:01:17.581	21:16:12.159	894.57800
HO	76221	17-NOV-2009	22:15:19.633	22:26:43.827	684.19400
MM	76221	17-NOV-2009	22:22:08.274	22:34:35.123	746.84900
KS	76221	17-NOV-2009	21:28:38.602	21:41:32.236	773.63400
JO	76221	17-NOV-2009	22:43:41.015	22:50:33.590	412.57500
HO	76222	17-NOV-2009	23:52:19.124	00:06:48.353	869.22900

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1.5 - List of corrupted products

Station	Orbit	Time

2 - Instrument Indicators and Daily Plots

2.1 - Instrument Indicators Status

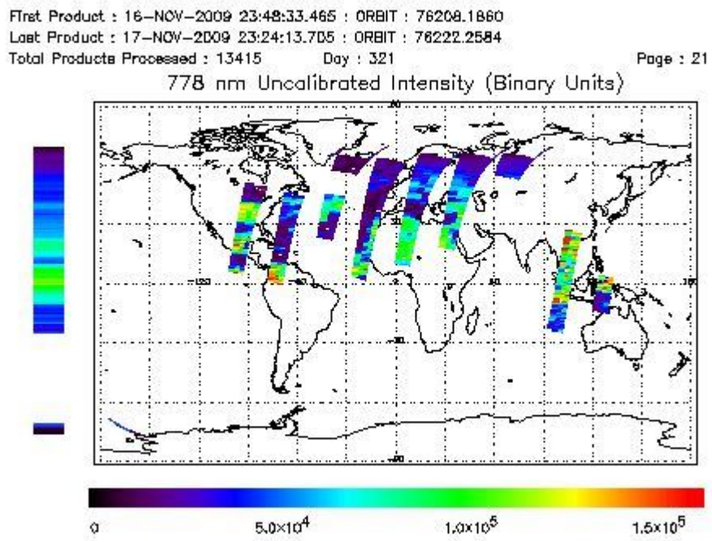
Indicator	Value
MPH Product Confidence	OK
SPH Product Confidence	OK
Command Word Echo Summary	OK
Instrument Status 1A	OK
Instrument Status 1B	OK
Instrument Status 2	OK
Integration Times Channel 1	OK
Co-Adding and Cluster Mode Flags	OK
Integration Times Band 2A	OK
Integration Times Band 2B	OK
Integration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

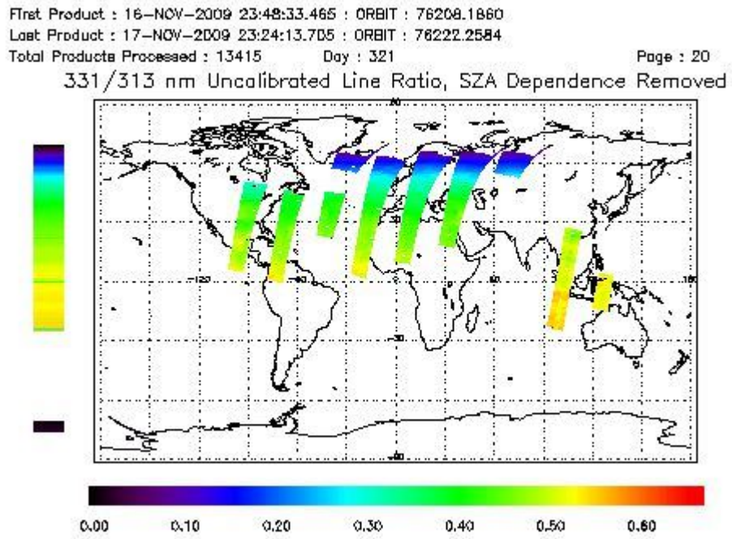
2.2 - Daily Plots

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

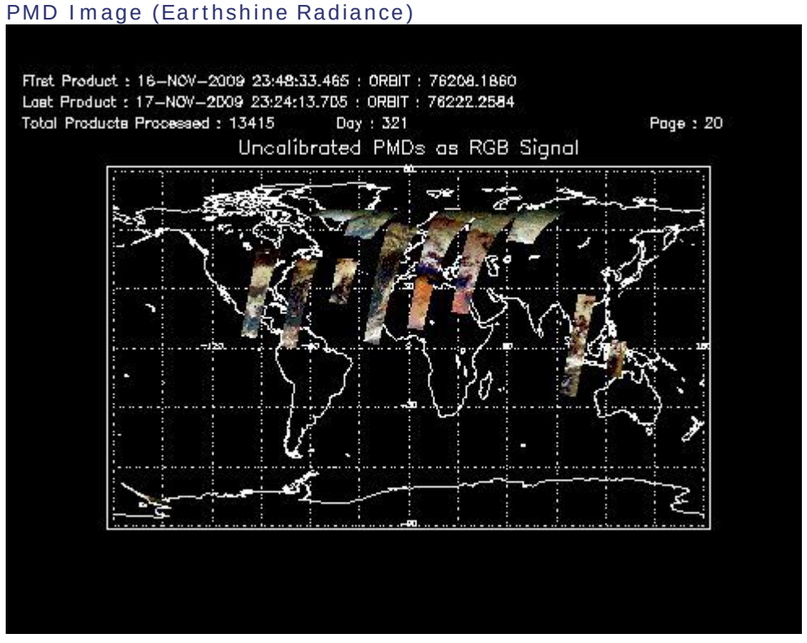
NEAR IR Intensity



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	11:43:25.874	--	76215	Yes	--	15710

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