GOME Daily Report

INDEX

1 - General Info

1.1 - Report Summary

Item	Value
Report Version	GOMEver3_3
Report of Day	17-DEC-2009
Start Time of First Product	00:29:50
Stop Time of Last Product	23:26;10
Number of EGOI Products analysed	32
Number of corrupted products	--
Anomalies and/or Special Operations	Nominal Data

1.2 - List of received products

Name	Date	Time
OI_091217BEEP1406.E2;1	17-DEC-2009	04:21:31.484
EGOI_091217CMEP5715.E2	17-DEC-2009	03:50:32.792
EGOI_091217CMEP5725.E2	17-DEC-2009	05:29:34.899
EGOI_091217CMEP5732.E2	17-DEC-2009	16:11:55.376
EGOI_091217CMEP5741.E2	17-DEC-2009	17:53:32.007
EGOI_091217GSEP5456.E2	17-DEC-2009	02:15:03.705
EGOI_091217GSEP5483.E2	17-DEC-2009	03:55:10.324
EGOI_091217GSEP5491.E2	17-DEC-2009	05:37:39.455
EGOI_091217HLEP4635.E2	17-DEC-2009	01:26:37.900

EGOI_091217HLEP4646.E2	17-DEC-2009	15:17:05.539
EGOI_091217HLEP4654.E2	17-DEC-2009	21:41:42.420
EGOI_091217HLEP4661.E2	17-DEC-2009	23:15:05.494
EGOI_091217KSEP8009.E2	17-DEC-2009	07:35:55.183
EGOI_091217KSEP8032.E2	17-DEC-2009	09:15:55.803
EGOI_091217KSEP8060.E2	17-DEC-2009	10:55:33.918
EGOI_091217KSEP8089.E2	17-DEC-2009	12:34:54.030
EGOI_091217KSEP8117.E2	17-DEC-2009	14:13:50.150
EGOI_091217KSEP8130.E2	17-DEC-2009	15:51:40.251
EGOI_091217KSEP8161.E2	17-DEC-2009	17:29:36.354
EGOI_091217KSEP8197.E2	17-DEC-2009	19:07:26.463
EGOI_091217KSEP8232.E2	17-DEC-2009	20:47:06.083
EGOI_091217KSEP8263.E2	17-DEC-2009	22:29:08.215
EGOI_091217MAEP6946.E2	17-DEC-2009	09:23:03.349
EGOI_091217MAEP6956.E2	17-DEC-2009	11:03:12.969
EGOI_091217MSEP8074.E2	17-DEC-2009	00:29:49.554
EGOI_091217MSEP8094.E2	17-DEC-2009	11:08:46.001
EGOI_091217MSEP8121.E2	17-DEC-2009	12:48:30.120
EGOI_091217MSEP8153.E2	17-DEC-2009	22:18:12.645
EGOI_091217SGEP2199.E2	17-DEC-2009	02:54:33.944
EGOI_091217SGEP2207.E2	17-DEC-2009	04:32:49.551
EGOI_091217SGEP2215.E2	17-DEC-2009	13:52:32.013
EGOI_091217SGEP2223.E2	17-DEC-2009	15:27:07.098

[BACK TO MENU]

1.3 - List of data gaps

Station	Orbit	Date	Start Time	Stop Time	Duration (s)
KS	76642	17-DEC-2009	07:33:58.189	07:35:55.183	116.99400
KS	76643	17-DEC-2009	09:13:32.029	09:15:55.803	143.77400
KS	76644	17-DEC-2009	10:53:08.112	10:55:33.918	145.80600
KS	76645	17-DEC-2009	12:32:28.231	12:34:54.029	145.79800
KS	76646	17-DEC-2009	14:11:20.850	14:13:50.150	149.30000
KS	76647	17-DEC-2009	15:49:13.279	15:51:40.250	146.97100
KS	76648	17-DEC-2009	17:27:07.316	17:29:36.353	149.03700
KS	76649	17-DEC-2009	19:05:19.881	19:07:26.463	126.58200
KS	76650	17-DEC-2009	20:45:13.180	20:47:06.083	112.90300
KS	76651	17-DEC-2009	22:27:14.979	22:29:08.215	113.23600
GS	76639	17-DEC-2009	02:13:44.243	02:15:03.704	79.461000
GS	76640	17-DEC-2009	03:53:12.549	03:55:10.323	117.77400
MS	76638	17-DEC-2009	00:27:59.638	00:29:49.554	109.91600
MS	76644	17-DEC-2009	11:06:16.453	11:08:46.001	149.54800

MS	76645	17-DEC-2009	12:46:07.456	12:48:30.120	142.66400
MS	76651	17-DEC-2009	22:16:13.188	22:18:12.644	119.45600
MS	76652	17-DEC-2009	23:55:18.549	23:57:31.256	132.70700
MA	76643	17-DEC-2009	09:21:42.943	09:23:03.348	80.405000
MA	76644	17-DEC-2009	11:01:59.393	11:03:12.969	73.576000
BE	76640	17-DEC-2009	04:19:03.294	04:21:31.484	148.19000
SG	76639	17-DEC-2009	02:50:32.518	02:54:33.944	241.42600
SG	76640	17-DEC-2009	04:30:32.870	04:32:49.550	136.68000
SG	76646	17-DEC-2009	15:24:48.380	15:27:07.098	138.71800
CM	76647	17-DEC-2009	16:10:29.862	16:11:55.376	85.514000
CM	76648	17-DEC-2009	17:52:06.470	17:53:32.007	85.537000

[BACK TO MENU]

1.4 - List of missing products

Station	Orbit	Date	Start Time	Stop Time	Duration (s)
MM	76637	16-DEC-2009	23:51:33.078	00:03:09.034	695.95600
HO	76638	17-DEC-2009	01:21:35.978	01:34:05.739	749.76100
MM	76638	17-DEC-2009	01:33:31.360	01:43:21.533	590.17300
BE	76639	17-DEC-2009	02:39:03.683	02:52:17.252	793.56900
MM	76639	17-DEC-2009	03:16:24.296	03:23:53.884	449.58800
MI	76639	17-DEC-2009	02:10:33.304	02:20:02.943	569.63900
CM	76639	17-DEC-2009	03:46:34.647	03:58:46.718	732.07100
MM	76640	17-DEC-2009	04:59:22.524	05:05:12.270	349.74600
MI	76640	17-DEC-2009	03:47:33.379	04:00:44.763	791.38400
MM	76641	17-DEC-2009	06:41:10.868	06:47:49.989	399.12100
KS	76641	17-DEC-2009	05:55:25.696	05:59:51.164	265.46800
JO	76641	17-DEC-2009	06:24:28.246	06:31:10.046	401.80000
MM	76642	17-DEC-2009	08:21:56.032	08:30:53.622	537.59000
JO	76642	17-DEC-2009	07:58:43.929	08:13:37.788	893.85900
MM	76643	17-DEC-2009	10:02:14.598	10:13:15.638	661.04000
JO	76643	17-DEC-2009	09:40:13.467	09:51:17.564	664.09700
MM	76644	17-DEC-2009	11:42:18.510	11:54:33.821	735.31100
MM	76645	17-DEC-2009	13:22:08.792	13:34:51.308	762.51600
BE	76646	17-DEC-2009	13:55:39.818	14:09:01.521	801.70300
HO	76646	17-DEC-2009	15:11:46.177	15:20:07.173	500.99600
MM	76646	17-DEC-2009	15:01:43.699	15:14:24.077	760.37800

MI	76646	17-DEC-2009	14:31:02.331	14:38:14.668	432.33700
GS	76646	17-DEC-2009	14:23:23.081	14:33:54.856	631.77500
BE	76647	17-DEC-2009	15:37:19.776	15:47:07.321	587.54500
MM	76647	17-DEC-2009	16:41:02.417	16:53:34.713	752.29600
MI	76647	17-DEC-2009	16:07:36.934	16:20:57.435	800.50100
GS	76647	17-DEC-2009	16:01:44.305	16:15:39.975	835.67000
MM	76648	17-DEC-2009	18:20:10.841	18:32:45.035	754.19400
MI	76648	17-DEC-2009	17:50:36.999	17:54:53.707	256.70800
GS	76648	17-DEC-2009	17:42:00.278	17:52:38.448	638.17000
MM	76649	17-DEC-2009	19:59:25.344	20:12:08.148	762.80400
MA	76649	17-DEC-2009	19:03:23.959	19:08:50.709	326.75000
JO	76649	17-DEC-2009	20:18:50.943	20:33:32.234	881.29100
MM	76650	17-DEC-2009	21:39:09.257	21:51:47.739	758.48200
MA	76650	17-DEC-2009	20:37:14.899	20:50:54.837	819.93800
JO	76650	17-DEC-2009	21:58:56.322	22:11:21.165	744.84300
HO	76651	17-DEC-2009	23:10:12.849	23:24:04.417	831.56800
MM	76651	17-DEC-2009	23:19:43.723	23:31:42.270	718.54700
MA	76651	17-DEC-2009	22:20:27.888	22:29:05.705	517.81700

[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

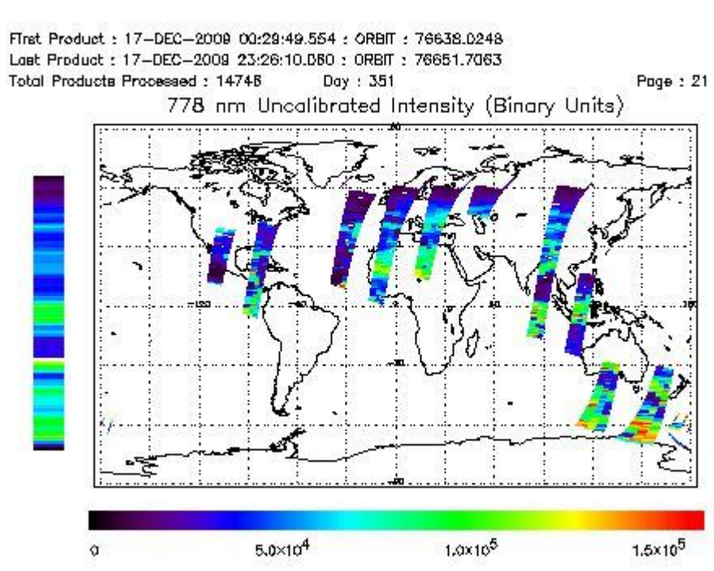
Indicator	Value
MPH Product Confidence	OK
SPH Product Confidence	OK
Command Word Echo Summary	OK
Instrument Status 1A	OK
Instrument Status 1B	OK
Instrument Status 2	OK
Integration Times Channel 1	OK
Co-Adding and Cluster Mode Flags	OK
Integration Times Band 2A	OK
Integration Times Band 2B	OK
Integration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

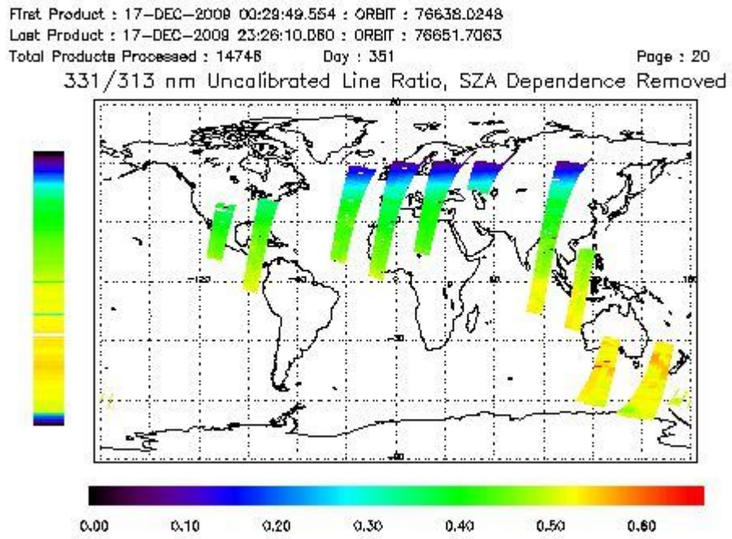
2.2 - Daily Plots

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

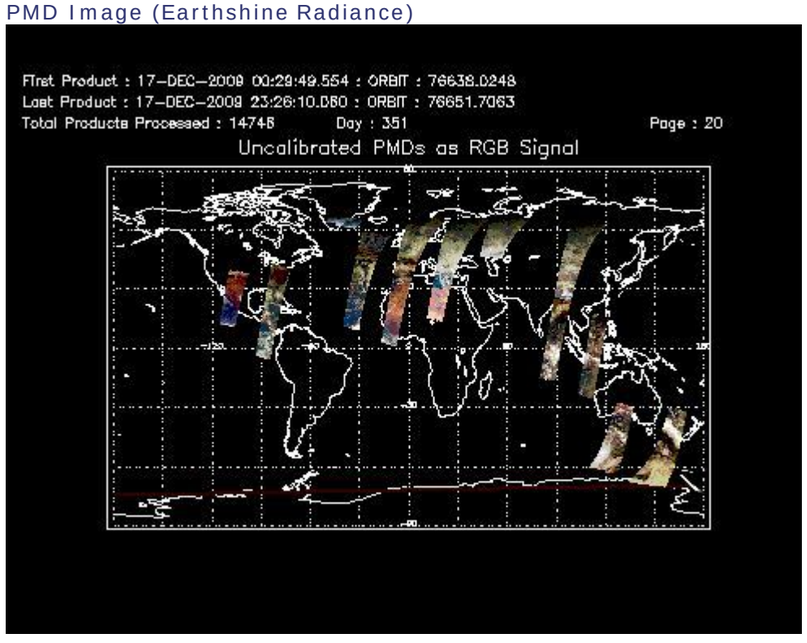
NEAR IR Intensity



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	12:42:06.980	--	76645	Yes	--	15798

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)

[BACK TO MENU]

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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[BACK TO MENU]

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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[BACK TO MENU]

(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