GOME Daily Report

INDEX

1 - General Info

1.1 - Report Summary

Item	Value
Report Version	GOMEver3_3
Report of Day	20-DEC-2009
Start Time of First Product	23:51:24
Stop Time of Last Product	22:47:11
Number of EGOI Products analysed	28
Number of corrupted products	--
Anomalies and/or Special Operations	Long science dump over GS, orbit 76683, time interval: 04:01:01-04:11:06

1.2 - List of received products

Name	Date	Time
OI_091220BEEP1426.E2;1	20-DEC-2009	02:47:17.127
EGOI_091220BEEP1432.E2	20-DEC-2009	04:28:04.249
EGOI_091220GSEP5654.E2	20-DEC-2009	02:20:39.462
EGOI_091220GSEP5679.E2	20-DEC-2009	04:01:01.085
EGOI_091220GSEP5686.E2	20-DEC-2009	05:43:27.223
EGOI_091220HLEP4706.E2	19-DEC-2009	23:51:23.539
EGOI_091220HLEP4716.E2	20-DEC-2009	12:02:40.059
EGOI_091220HLEP4731.E2	20-DEC-2009	21:46:39.173
EGOI_091220KSEP8865.E2	20-DEC-2009	07:41:35.448

EGOI_091220KSEP8890.E2	20-DEC-2009	09:21:37.568
EGOI_091220KSEP8919.E2	20-DEC-2009	11:01:15.687
EGOI_091220KSEP8951.E2	20-DEC-2009	12:40:32.796
EGOI_091220KSEP8964.E2	20-DEC-2009	14:19:27.407
EGOI_091220KSEP8978.E2	20-DEC-2009	15:57:16.016
EGOI_091220KSEP9008.E2	20-DEC-2009	17:35:12.123
EGOI_091220KSEP9044.E2	20-DEC-2009	19:13:02.228
EGOI_091220KSEP9079.E2	20-DEC-2009	20:52:52.344
EGOI_091220KSEP9109.E2	20-DEC-2009	22:34:58.975
EGOI_091220MAEP7054.E2	20-DEC-2009	09:29:27.119
EGOI_091220MAEP7063.E2	20-DEC-2009	11:08:56.230
EGOI_091220MSEP8427.E2	20-DEC-2009	00:35:58.315
EGOI_091220MSEP8447.E2	20-DEC-2009	11:14:23.261
EGOI_091220MSEP8472.E2	20-DEC-2009	12:54:20.886
EGOI_091220MSEP8504.E2	20-DEC-2009	22:23:51.408
EGOI_091220SGEP2293.E2	20-DEC-2009	02:58:33.701
EGOI_091220SGEP2301.E2	20-DEC-2009	04:38:17.812
EGOI_091220SGEP2310.E2	20-DEC-2009	13:57:16.770
EGOI_091220SGEP2317.E2	20-DEC-2009	15:32:54.863

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1.3 - List of data gaps

Station	Orbit	Date	Start Time	Stop Time	Duration (s)
KS	76685	20-DEC-2009	07:39:39.029	07:41:35.448	116.41900
KS	76686	20-DEC-2009	09:19:13.654	09:21:37.567	143.91300
KS	76687	20-DEC-2009	10:58:49.286	11:01:15.687	146.40100
KS	76688	20-DEC-2009	12:38:07.943	12:40:32.795	144.85200
KS	76689	20-DEC-2009	14:16:58.793	14:19:27.407	148.61400
KS	76690	20-DEC-2009	15:54:48.260	15:57:16.016	147.75600
KS	76691	20-DEC-2009	17:32:42.984	17:35:12.123	149.13900
KS	76692	20-DEC-2009	19:10:59.560	19:13:02.227	122.66700
KS	76693	20-DEC-2009	20:50:59.151	20:52:52.344	113.19300
KS	76694	20-DEC-2009	22:33:09.667	22:34:58.974	109.30700
GS	76683	20-DEC-2009	03:59:04.243	04:01:01.084	116.84100
MS	76681	20-DEC-2009	00:34:04.809	00:35:58.314	113.50500
MS	76687	20-DEC-2009	11:11:53.485	11:14:23.261	149.77600
MS	76688	20-DEC-2009	12:51:59.855	12:54:20.886	141.03100
MS	76694	20-DEC-2009	22:21:42.515	22:23:51.408	128.89300
MA	76686	20-DEC-2009	09:27:21.835	09:29:27.118	125.28300
MA	76687	20-DEC-2009	11:07:53.206	11:08:56.230	63.024000

BE	76682	20-DEC-2009	02:44:42.660	02:47:17.127	154.46700
BE	76683	20-DEC-2009	04:24:50.998	04:28:04.248	193.25000
SG	76682	20-DEC-2009	02:56:04.401	02:58:33.700	149.29900
SG	76683	20-DEC-2009	04:36:30.702	04:38:17.812	107.11000
SG	76689	20-DEC-2009	15:30:28.627	15:32:54.863	146.23600

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1.4 - List of missing products

Station	Orbit	Date	Start Time	Stop Time	Duration (s)
MM	76680	19-DEC-2009	23:57:20.931	00:08:52.221	691.29000
HO	76681	20-DEC-2009	01:27:36.481	01:39:37.587	721.10600
MM	76681	20-DEC-2009	01:39:22.865	01:49:05.588	582.72300
GS	76681	20-DEC-2009	00:43:25.572	00:51:35.802	490.23000
MM	76682	20-DEC-2009	03:22:17.928	03:29:39.569	441.64100
MI	76682	20-DEC-2009	02:15:51.661	02:25:58.084	606.42300
CM	76682	20-DEC-2009	03:52:10.772	04:04:29.723	738.95100
MM	76683	20-DEC-2009	05:05:13.936	05:11:01.992	348.05600
MI	76683	20-DEC-2009	03:53:18.517	04:06:21.638	783.12100
MM	76684	20-DEC-2009	06:46:57.542	06:53:43.504	405.96200
KS	76684	20-DEC-2009	06:00:56.056	06:06:04.012	307.95600
CM	76684	20-DEC-2009	05:35:14.635	05:40:19.319	304.68400
JO	76684	20-DEC-2009	06:29:27.686	06:37:19.848	472.16200
MM	76685	20-DEC-2009	08:27:40.462	08:36:46.099	545.63700
JO	76685	20-DEC-2009	08:04:21.441	08:19:19.692	898.25100
MM	76686	20-DEC-2009	10:07:58.036	10:19:04.735	666.69900
JO	76686	20-DEC-2009	09:46:18.585	09:56:38.897	620.31200
MM	76687	20-DEC-2009	11:48:01.190	12:00:19.207	738.01700
HO	76688	20-DEC-2009	13:36:22.913	13:50:57.620	874.70700
MM	76688	20-DEC-2009	13:27:50.649	13:40:33.619	762.97000
BE	76689	20-DEC-2009	14:01:18.841	14:14:42.897	804.05600
HO	76689	20-DEC-2009	15:17:38.211	15:25:29.830	471.61900
MM	76689	20-DEC-2009	15:07:24.621	15:20:04.482	759.86100
MI	76689	20-DEC-2009	14:36:13.807	14:44:29.669	495.86200
GS	76689	20-DEC-2009	14:28:54.356	14:39:54.514	660.15800
BE	76690	20-DEC-2009	15:43:23.803	15:52:33.439	549.63600
MM	76690	20-DEC-2009	16:46:42.498	16:59:14.565	752.06700

MI	76690	20-DEC-2009	16:13:18.837	16:26:35.050	796.21300
GS	76690	20-DEC-2009	16:07:25.545	16:21:19.627	834.08200
CM	76690	20-DEC-2009	16:16:07.373	16:28:28.680	741.30700
MM	76691	20-DEC-2009	18:25:50.729	18:38:25.367	754.63800
MI	76691	20-DEC-2009	17:57:47.008	17:58:53.166	66.158000
GS	76691	20-DEC-2009	17:47:47.676	17:58:01.922	614.24600
CM	76691	20-DEC-2009	17:58:21.428	18:03:46.809	325.38100
MM	76692	20-DEC-2009	20:05:06.263	20:17:49.395	763.13200
MA	76692	20-DEC-2009	19:08:33.313	19:15:54.621	441.30800
JO	76692	20-DEC-2009	20:24:28.114	20:39:17.289	889.17500
MM	76693	20-DEC-2009	21:44:52.554	21:57:29.905	757.35100
MA	76693	20-DEC-2009	20:42:54.084	20:56:36.206	822.12200
JO	76693	20-DEC-2009	22:04:47.371	22:16:43.866	716.49500
HO	76694	20-DEC-2009	23:15:43.073	23:29:47.269	844.19600
MM	76694	20-DEC-2009	23:25:30.399	23:37:25.222	714.82300

[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

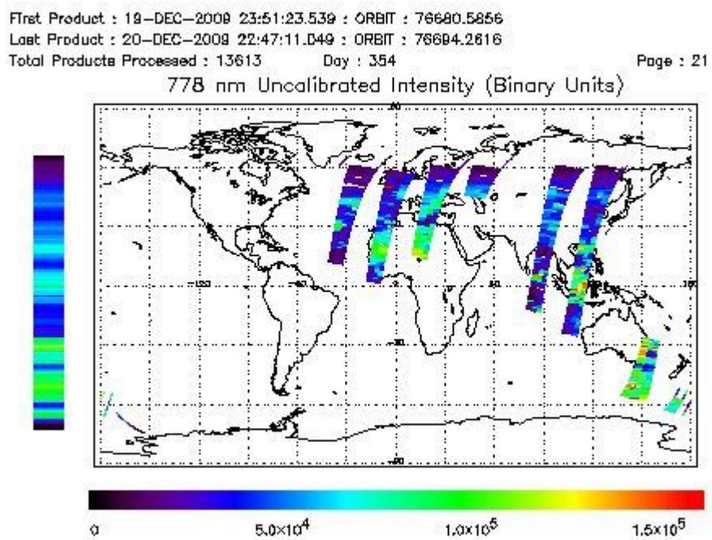
Indicator	Value
MPH Product Confidence	OK
SPH Product Confidence	OK
Command Word Echo Summary	OK
Instrument Status 1A	OK
Instrument Status 1B	OK
Instrument Status 2	OK
Integration Times Channel 1	OK
Co-Adding and Cluster Mode Flags	OK
Integration Times Band 2A	OK
Integration Times Band 2B	OK
Integration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

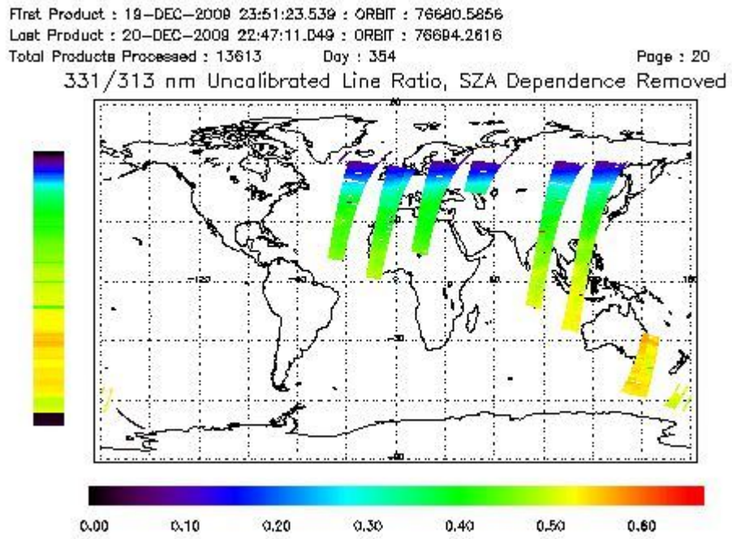
2.2 - Daily Plots

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

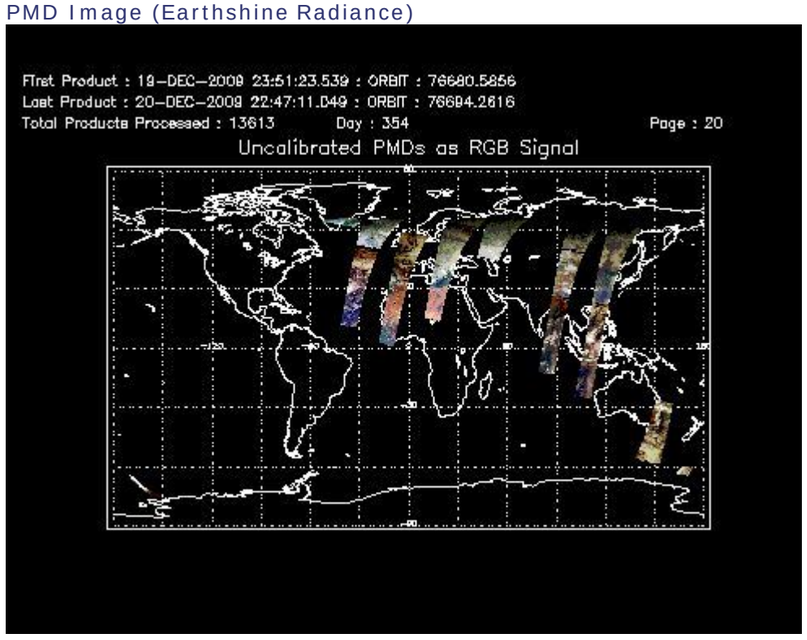
NEAR IR Intensity



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	11:07:14.210	--	76687	Yes	--	15831

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)
--							
lamp_ca	--	--	--	--	--	--	

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