GOME Daily Report

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1 - General Info

1.1 - Report Summary

Item	Value
Report Version	GOMEver3_3
Report of Day	19-DEC-2009
Start Time of First Product	01:54:53
Stop Time of Last Product	23:18:28
Number of EGOI Products analysed	31
Number of corrupted products	1
Anomalies and/or Special Operations	Nominal Data

1.2 - List of received products

Name	Date	Time
OI_091219CMEP5778.E2;1	19-DEC-2009	02:47:57.722
EGOI_091219CMEP5787.E2	19-DEC-2009	04:27:16.337
EGOI_091219GSEP5590.E2	19-DEC-2009	02:51:41.249
EGOI_091219GSEP5618.E2	19-DEC-2009	04:33:32.872
EGOI_091219GSEP5625.E2	19-DEC-2009	06:15:42.508
EGOI_091219HLEP4690.E2	19-DEC-2009	10:58:08.255
EGOI_091219HLEP4696.E2	19-DEC-2009	14:13:12.461
EGOI_091219KSEP8584.E2	19-DEC-2009	06:33:23.116
EGOI_091219KSEP8614.E2	19-DEC-2009	08:13:17.736

EGOI_091219KSEP8642.E2	19-DEC-2009	09:52:57.352
EGOI_091219KSEP8668.E2	19-DEC-2009	11:32:33.968
EGOI_091219KSEP8688.E2	19-DEC-2009	13:11:39.084
EGOI_091219KSEP8701.E2	19-DEC-2009	14:50:23.192
EGOI_091219KSEP8720.E2	19-DEC-2009	16:28:02.796
EGOI_091219KSEP8751.E2	19-DEC-2009	18:06:04.909
EGOI_091219KSEP8780.E2	19-DEC-2009	19:44:17.513
EGOI_091219KSEP8805.E2	19-DEC-2009	21:24:46.633
EGOI_091219KSEP8833.E2	19-DEC-2009	23:07:33.769
EGOI_091219MAEP7011.E2	19-DEC-2009	08:21:35.787
EGOI_091219MAEP7025.E2	19-DEC-2009	10:00:22.895
EGOI_091219MAEP7042.E2	19-DEC-2009	21:17:04.586
EGOI_091219MSEP8304.E2	19-DEC-2009	10:08:19.950
EGOI_091219MSEP8333.E2	19-DEC-2009	11:45:32.547
EGOI_091219MSEP8355.E2	19-DEC-2009	13:26:58.675
EGOI_091219MSEP8370.E2	19-DEC-2009	21:19:28.602
EGOI_091219MSEP8402.E2	19-DEC-2009	22:54:18.686
EGOI_091219SGEP2256.E2	19-DEC-2009	01:54:52.897
EGOI_091219SGEP2263.E2	19-DEC-2009	03:30:09.980
EGOI_091219SGEP2271.E2	19-DEC-2009	05:12:06.111
EGOI_091219SGEP2277.E2	19-DEC-2009	14:26:06.547
EGOI_091219SGEP2285.E2	19-DEC-2009	16:04:43.151

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1.3 - List of data gaps

Station	Orbit	Date	Start Time	Stop Time	Duration (s)
KS	76670	19-DEC-2009	06:31:41.552	06:33:23.115	101.56300
KS	76671	19-DEC-2009	08:10:55.269	08:13:17.735	142.46600
KS	76672	19-DEC-2009	09:50:32.504	09:52:57.351	144.84700
KS	76673	19-DEC-2009	11:30:04.683	11:32:33.968	149.28500
KS	76674	19-DEC-2009	13:09:14.132	13:11:39.083	144.95100
KS	76675	19-DEC-2009	14:47:54.578	14:50:23.192	148.61400
KS	76676	19-DEC-2009	16:25:34.473	16:28:02.796	148.32300
KS	76677	19-DEC-2009	18:03:21.503	18:06:04.909	163.40600
KS	76678	19-DEC-2009	19:42:13.408	19:44:17.512	124.10400
KS	76679	19-DEC-2009	21:22:49.747	21:24:46.632	116.88500
KS	76680	19-DEC-2009	23:05:52.106	23:07:33.768	101.66200
GS	76668	19-DEC-2009	02:49:53.102	02:51:41.249	108.14700
GS	76669	19-DEC-2009	04:31:44.539	04:33:32.871	108.33200
MS	76672	19-DEC-2009	10:06:04.972	10:08:19.950	134.97800
MS	76673	19-DEC-2009	11:43:00.114	11:45:32.547	152.43300

MS	76674	19-DEC-2009	13:24:37.356	13:26:58.674	141.31800
MS	76680	19-DEC-2009	22:52:17.540	22:54:18.685	121.14500
MA	76671	19-DEC-2009	08:20:07.086	08:21:35.786	88.700000
MA	76672	19-DEC-2009	09:58:34.949	10:00:22.895	107.94600
MA	76679	19-DEC-2009	21:14:32.646	21:17:04.585	151.93900
SG	76668	19-DEC-2009	03:26:54.320	03:30:09.980	195.66000
SG	76674	19-DEC-2009	14:23:59.301	14:26:06.547	127.24600
SG	76675	19-DEC-2009	16:02:02.615	16:04:43.150	160.53500

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1.4 - List of missing products

Station	Orbit	Date	Start Time	Stop Time	Duration (s)
HO	76666	19-DEC-2009	00:17:43.767	00:32:21.927	878.16000
MM	76666	19-DEC-2009	00:29:18.004	00:40:20.540	662.53600
HO	76667	19-DEC-2009	02:01:23.661	02:09:30.571	486.91000
MM	76667	19-DEC-2009	02:11:39.297	02:20:39.063	539.76600
GS	76667	19-DEC-2009	01:12:49.775	01:23:34.869	645.09400
BE	76668	19-DEC-2009	03:15:55.648	03:29:16.028	800.38000
MM	76668	19-DEC-2009	03:54:42.807	04:01:23.729	400.92200
MI	76668	19-DEC-2009	02:45:41.314	02:58:02.991	741.67700
BE	76669	19-DEC-2009	04:57:01.578	05:04:59.168	477.59000
MM	76669	19-DEC-2009	05:37:21.540	05:43:10.768	349.22800
MI	76669	19-DEC-2009	04:25:23.750	04:36:54.474	690.72400
MM	76670	19-DEC-2009	07:18:41.021	07:26:08.467	447.44600
JO	76670	19-DEC-2009	06:58:14.379	07:10:06.652	712.27300
MM	76671	19-DEC-2009	08:59:13.570	09:09:01.773	588.20300
JO	76671	19-DEC-2009	08:35:37.772	08:50:27.894	890.12200
MM	76672	19-DEC-2009	10:39:26.162	10:51:00.909	694.74700
HO	76673	19-DEC-2009	12:28:22.884	12:42:52.449	869.56500
MM	76673	19-DEC-2009	12:19:25.141	12:31:55.337	750.19600
MA	76673	19-DEC-2009	11:40:00.577	11:46:53.140	412.56300
MM	76674	19-DEC-2009	13:59:09.944	14:11:53.868	763.92400
BE	76675	19-DEC-2009	14:32:41.449	14:45:52.164	790.71500
MM	76675	19-DEC-2009	15:38:38.725	15:51:15.624	756.89900
MI	76675	19-DEC-2009	15:05:55.412	15:17:36.806	701.39400
GS	76675	19-DEC-2009	14:59:34.224	15:12:23.781	769.55700

CM	76675	19-DEC-2009	15:10:31.855	15:17:36.437	424.58200
MM	76676	19-DEC-2009	17:17:52.393	17:30:23.935	751.54200
MI	76676	19-DEC-2009	16:44:54.305	16:57:08.580	734.27500
GS	76676	19-DEC-2009	16:38:47.541	16:52:12.673	805.13200
CM	76676	19-DEC-2009	16:47:23.223	16:59:31.459	728.23600
MM	76677	19-DEC-2009	18:57:00.608	19:09:38.037	757.42900
GS	76677	19-DEC-2009	18:19:53.672	18:27:14.799	441.12700
JO	76677	19-DEC-2009	19:18:19.646	19:28:33.284	613.63800
MM	76678	19-DEC-2009	20:36:23.246	20:49:07.249	764.00300
MA	76678	19-DEC-2009	19:36:04.545	19:48:01.386	716.84100
JO	76678	19-DEC-2009	20:55:35.771	21:10:34.490	898.71900
HO	76679	19-DEC-2009	22:09:58.010	22:20:56.318	658.30800
MM	76679	19-DEC-2009	22:16:23.816	22:28:52.656	748.84000
JO	76679	19-DEC-2009	22:37:32.162	22:45:33.096	480.93400
HO	76680	19-DEC-2009	23:46:41.146	00:01:06.907	865.76100
MM	76680	19-DEC-2009	23:57:20.931	00:08:52.221	691.29000

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1.5 - List of corrupted products

Station	Orbit	Time
MS	76675	13:27:48.18

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2 - Instrument Indicators and Daily Plots

2.1 - Instrument Indicators Status

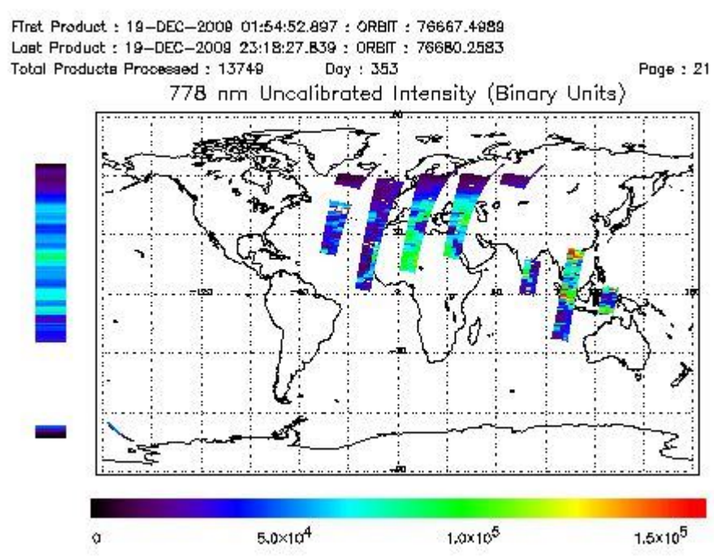
Indicator	Value
MPH Product Confidence	OK
SPH Product Confidence	OK
Command Word Echo Summary	OK
Instrument Status 1A	OK
Instrument Status 1B	OK
Instrument Status 2	OK
Integration Times Channel 1	OK
Co-Adding and Cluster Mode Flags	OK
Integration Times Band 2A	OK
Integration Times Band 2B	OK
Integration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

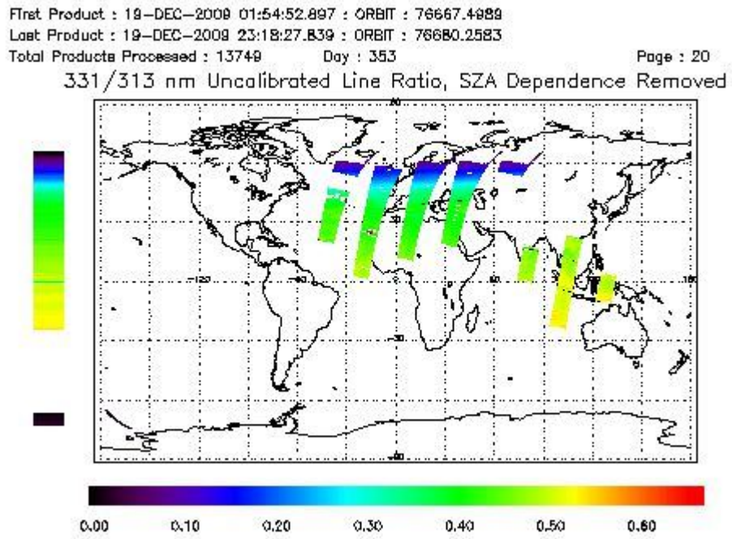
2.2 - Daily Plots

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

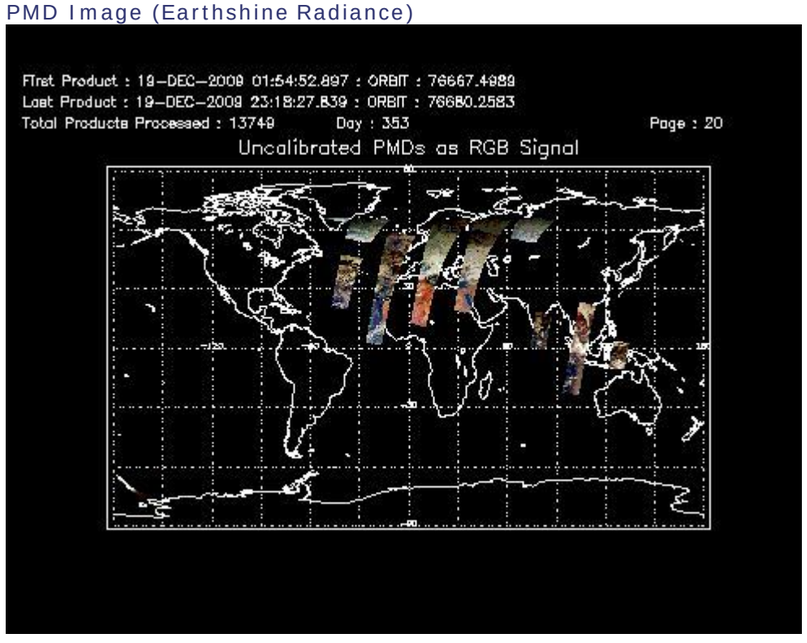
NEAR IR Intensity



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	11:38:53.500	--	76673	Yes	--	15816

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