GOME Daily Report

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1 - General Info

1.1 - Report Summary

Item	Value
Report Version	GOMEver3_3
Report of Day	02-DEC-2009
Start Time of First Product	00:00:26
Stop Time of Last Product	22:13:05
Number of EGOI Products analysed	34
Number of corrupted products	--
Anomalies and/or Special Operations	Nominal Data

1.2 - List of received products

Name	Date	Time
OI_091202BEEP1314.E2;1	02-DEC-2009	02:13:33.879
EGOI_091202BEEP1320.E2	02-DEC-2009	03:52:44.986
EGOI_091202CMEP5363.E2	02-DEC-2009	03:20:19.286
EGOI_091202CMEP5370.E2	02-DEC-2009	05:02:57.424
EGOI_091202CMEP5379.E2	02-DEC-2009	15:48:34.412
EGOI_091202CMEP5386.E2	02-DEC-2009	17:24:29.008
EGOI_091202GSEP4284.E2	02-DEC-2009	01:47:20.214
EGOI_091202GSEP4312.E2	02-DEC-2009	03:26:04.321
EGOI_091202GSEP4321.E2	02-DEC-2009	05:08:54.459

EGOI_091202HLEP4381.E2	02-DEC-2009	22:50:04.024
EGOI_091202KSEP3575.E2	02-DEC-2009	07:07:31.195
EGOI_091202KSEP3607.E2	02-DEC-2009	08:47:28.811
EGOI_091202KSEP3633.E2	02-DEC-2009	10:27:09.927
EGOI_091202KSEP3666.E2	02-DEC-2009	12:06:36.046
EGOI_091202KSEP3697.E2	02-DEC-2009	13:45:35.159
EGOI_091202KSEP3725.E2	02-DEC-2009	15:24:07.263
EGOI_091202KSEP3757.E2	02-DEC-2009	17:01:33.367
EGOI_091202KSEP3792.E2	02-DEC-2009	18:39:30.971
EGOI_091202KSEP3822.E2	02-DEC-2009	20:18:28.583
EGOI_091202KSEP3853.E2	02-DEC-2009	21:59:50.211
EGOI_091202KSEP3877.E2	02-DEC-2009	23:43:44.854
EGOI_091202MAEP6454.E2	02-DEC-2009	10:34:38.474
EGOI_091202MAEP6474.E2	02-DEC-2009	20:11:46.544
EGOI_091202MIEP6146.E2	02-DEC-2009	01:47:09.710
EGOI_091202MIEP6170.E2	02-DEC-2009	03:21:26.798
EGOI_091202MIEP6192.E2	02-DEC-2009	05:03:55.924
EGOI_091202MIEP6212.E2	02-DEC-2009	15:41:38.869
EGOI_091202MIEP6237.E2	02-DEC-2009	17:22:16.997
EGOI_091202MSEP6258.E2	02-DEC-2009	00:00:25.552
EGOI_091202MSEP6281.E2	02-DEC-2009	10:41:13.018
EGOI_091202MSEP6309.E2	02-DEC-2009	12:19:52.622
EGOI_091202MSEP6337.E2	02-DEC-2009	21:51:03.656
EGOI_091202MSEP6368.E2	02-DEC-2009	23:29:31.264
EGOI_091202SGEP1760.E2	02-DEC-2009	04:03:40.556
EGOI_091202SGEP1766.E2	02-DEC-2009	15:08:22.165
EGOI_091202SGEP1773.E2	02-DEC-2009	16:44:28.765

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1.3 - List of data gaps

Station	Orbit	Date	Start Time	Stop Time	Duration (s)
KS	76427	02-DEC-2009	07:05:36.098	07:07:31.194	115.09600
KS	76428	02-DEC-2009	08:45:04.030	08:47:28.810	144.78000
KS	76429	02-DEC-2009	10:24:41.538	10:27:09.926	148.38800
KS	76430	02-DEC-2009	12:04:08.028	12:06:36.046	148.01800
KS	76431	02-DEC-2009	13:43:05.162	13:45:35.158	149.99600
KS	76432	02-DEC-2009	15:21:17.210	15:24:07.262	170.05200
KS	76433	02-DEC-2009	16:58:59.509	17:01:33.367	153.85800
KS	76434	02-DEC-2009	18:37:05.778	18:39:30.970	145.19200
KS	76435	02-DEC-2009	20:16:29.416	20:18:28.583	119.16700
KS	76436	02-DEC-2009	21:57:50.193	21:59:50.211	120.01800
KS	76437	02-DEC-2009	23:42:00.774	23:43:44.853	104.07900

GS	76424	02-DEC-2009	01:45:35.224	01:47:20.213	104.98900
GS	76425	02-DEC-2009	03:24:10.992	03:26:04.321	113.32900
MS	76423	01-DEC-2009	23:58:14.330	00:00:25.552	131.22200
MS	76429	02-DEC-2009	10:38:37.293	10:41:13.018	155.72500
MS	76430	02-DEC-2009	12:17:16.658	12:19:52.622	155.96400
MS	76436	02-DEC-2009	21:49:11.632	21:51:03.656	112.02400
MS	76437	02-DEC-2009	23:26:20.991	23:29:31.264	190.27300
MA	76429	02-DEC-2009	10:32:42.186	10:34:38.474	116.28800
MA	76435	02-DEC-2009	20:09:12.496	20:11:46.543	154.04700
MI	76424	02-DEC-2009	01:45:14.919	01:47:09.709	114.79000
MI	76425	02-DEC-2009	03:19:06.986	03:21:26.797	139.81100
MI	76426	02-DEC-2009	05:01:47.049	05:03:55.923	128.87400
MI	76432	02-DEC-2009	15:39:19.716	15:41:38.869	139.15300
MI	76433	02-DEC-2009	17:20:00.268	17:22:16.997	136.72900
BE	76424	02-DEC-2009	02:10:57.737	02:13:33.879	156.14200
BE	76425	02-DEC-2009	03:50:14.234	03:52:44.986	150.75200
SG	76425	02-DEC-2009	04:01:15.268	04:03:40.555	145.28700
SG	76425	02-DEC-2009	04:06:39.074	04:14:24.140	465.06600
SG	76432	02-DEC-2009	16:37:24.528	16:44:28.764	424.23600
CM	76425	02-DEC-2009	03:18:57.506	03:20:19.285	81.779000
CM	76432	02-DEC-2009	15:42:41.746	15:48:34.411	352.66500
CM	76433	02-DEC-2009	17:22:10.175	17:24:29.007	138.83200

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1.4 - List of missing products

Station	Orbit	Date	Start Time	Stop Time	Duration (s)
HO	76423	02-DEC-2009	00:52:26.334	01:06:12.443	826.10900
MM	76423	02-DEC-2009	01:04:16.751	01:14:42.119	625.36800
KS	76423	02-DEC-2009	00:15:56.863	00:19:32.903	216.04000
MM	76424	02-DEC-2009	02:46:56.907	02:55:07.404	490.49700
SG	76424	02-DEC-2009	02:23:20.995	02:34:05.788	644.79300
MM	76425	02-DEC-2009	04:30:01.743	04:36:08.075	366.33200
MM	76426	02-DEC-2009	06:12:14.186	06:18:23.996	369.81000
MM	76427	02-DEC-2009	07:53:12.606	08:01:29.163	496.55700
JO	76427	02-DEC-2009	07:30:53.767	07:44:57.938	844.17100
MM	76428	02-DEC-2009	09:33:36.709	09:44:06.962	630.25300

MA	76428	02-DEC-2009	08:54:11.252	09:06:36.101	744.84900
JO	76428	02-DEC-2009	09:10:26.653	09:23:57.944	811.29100
HO	76429	02-DEC-2009	11:24:03.948	11:35:02.760	658.81200
MM	76429	02-DEC-2009	11:13:44.457	11:25:43.837	719.38000
HO	76430	02-DEC-2009	13:02:13.507	13:17:02.596	889.08900
MM	76430	02-DEC-2009	12:53:38.761	13:06:17.462	758.70100
HO	76431	02-DEC-2009	14:42:36.688	14:53:07.054	630.36600
MM	76431	02-DEC-2009	14:33:18.261	14:46:00.879	762.61800
GS	76431	02-DEC-2009	13:56:17.563	14:03:15.775	418.21200
BE	76432	02-DEC-2009	15:07:33.917	15:19:31.355	717.43800
MM	76432	02-DEC-2009	16:12:41.433	16:25:15.411	753.97800
GS	76432	02-DEC-2009	15:33:22.884	15:47:08.693	825.80900
MM	76433	02-DEC-2009	17:51:51.582	18:04:24.006	752.42400
GS	76433	02-DEC-2009	17:13:10.800	17:25:24.601	733.80100
MM	76434	02-DEC-2009	19:31:02.104	19:43:42.735	760.63100
JO	76434	02-DEC-2009	19:50:58.880	20:04:27.261	808.38100
MM	76435	02-DEC-2009	21:10:35.216	21:23:17.654	762.43800
JO	76435	02-DEC-2009	21:29:56.935	21:44:03.155	846.22000
MM	76436	02-DEC-2009	22:50:53.472	23:03:08.144	734.67200
MA	76436	02-DEC-2009	21:49:57.482	22:01:35.403	697.92100

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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

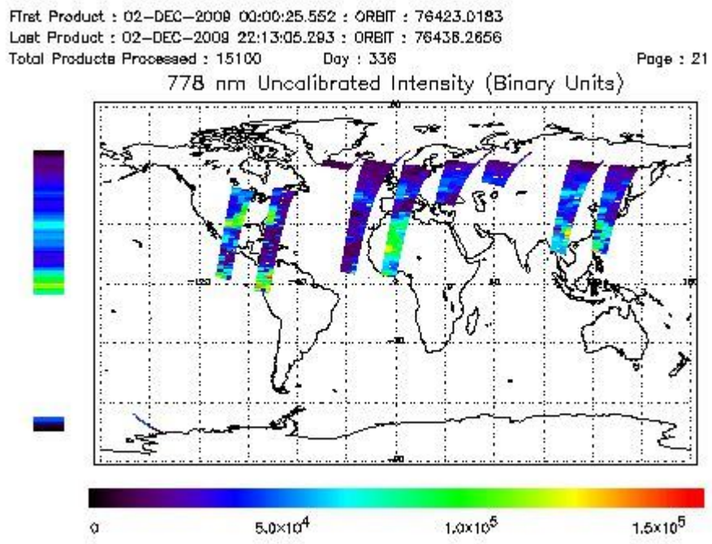
Indicator	Value
MPH Product Confidence	OK
SPH Product Confidence	OK
Command Word Echo Summary	OK
Instrument Status 1A	OK
Instrument Status 1B	OK
Instrument Status 2	OK
Integration Times Channel 1	OK
Co-Adding and Cluster Mode Flags	OK
Integration Times Band 2A	OK
Integration Times Band 2B	OK
Integration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

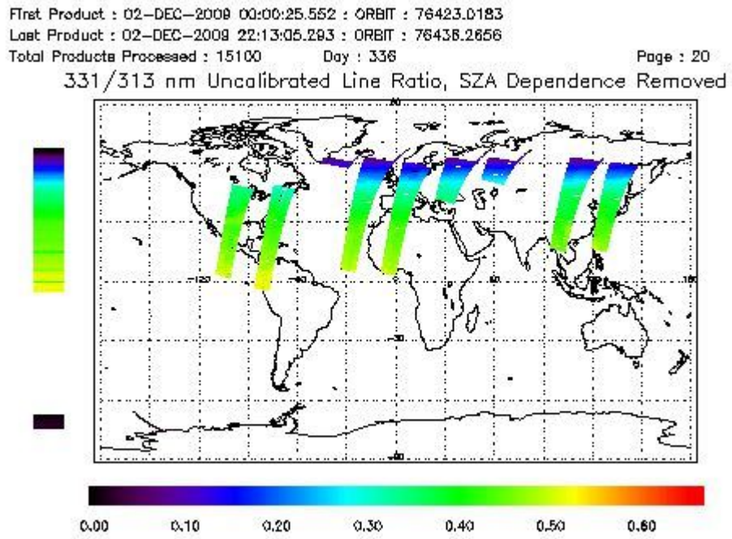
2.2 - Daily Plots

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

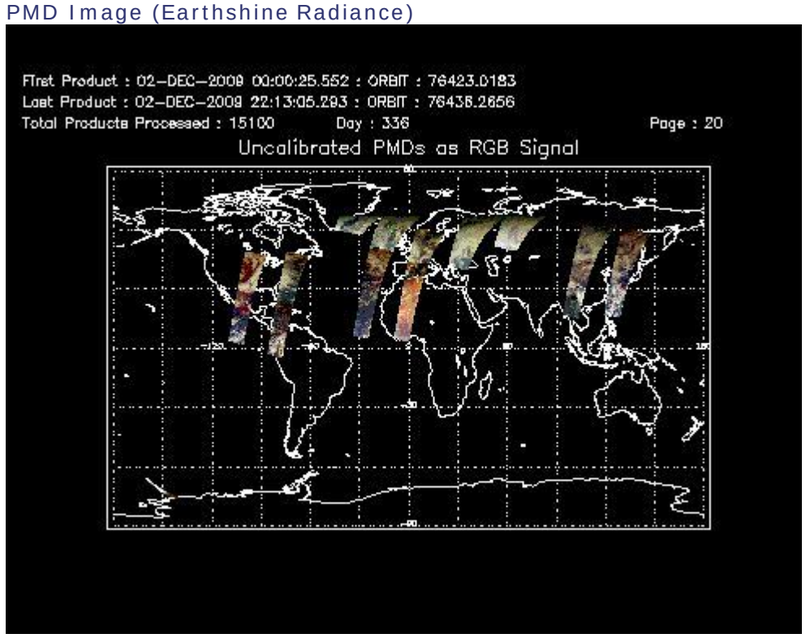
NEAR IR Intensity



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	10:32:27.950	--	76429	Yes	--	15792

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
--	--	--

5.3 - Power Cycle

Start Time	End Time	Start Orbit	End Orbit	Ground Station Visibility
--	--	--	--	--

5.4 - Wrong Command Execution

Start Time	End Time	Start Orbit	End Orbit	Ground Station Visibility
--	--	--	--	--

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