GOME Daily Report

INDEX

1 - General Info

1.1 - Report Summary

Item	Value
Report Version	GOMEver3_3
Report of Day	02-DEC-2010
Start Time of First Product	00:29:55
Stop Time of Last Product	22:41:38
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
EGOI_101202CMEP2251.E2	02-DEC-2010	03:50:40.335
EGOI_101202CMEP2261.E2	02-DEC-2010	05:29:46.946
EGOI_101202CMEP2267.E2	02-DEC-2010	16:11:59.925
EGOI_101202CMEP2278.E2	02-DEC-2010	17:53:14.052
EGOI_101202GSEP0334.E2	02-DEC-2010	02:15:14.239
EGOI_101202GSEP0358.E2	02-DEC-2010	03:55:19.358
EGOI_101202GSEP0366.E2	02-DEC-2010	05:37:49.996
EGOI_101202KSEP4567.E2	02-DEC-2010	07:36:01.225
EGOI_101202KSEP4586.E2	02-DEC-2010	09:16:03.351

EGOI_101202KSEP4611.E2	02-DEC-2010	10:55:41.463
EGOI_101202KSEP4637.E2	02-DEC-2010	12:35:01.582
EGOI_101202KSEP4657.E2	02-DEC-2010	14:13:57.695
EGOI_101202KSEP4684.E2	02-DEC-2010	15:51:47.802
EGOI_101202KSEP4711.E2	02-DEC-2010	17:29:43.911
EGOI_101202KSEP4741.E2	02-DEC-2010	19:07:34.015
EGOI_101202KSEP4772.E2	02-DEC-2010	20:47:13.634
EGOI_101202KSEP4800.E2	02-DEC-2010	22:29:15.766
EGOI_101202MAEP0347.E2	02-DEC-2010	09:23:18.390
EGOI_101202MAEP0358.E2	02-DEC-2010	11:03:17.513
EGOI_101202MAEP0376.E2	02-DEC-2010	22:21:18.715
EGOI_101202MIEP6666.E2	02-DEC-2010	02:12:51.724
EGOI_101202MIEP6689.E2	02-DEC-2010	03:50:38.831
EGOI_101202MIEP6710.E2	02-DEC-2010	14:33:17.311
EGOI_101202MIEP6736.E2	02-DEC-2010	16:10:01.414
EGOI_101202MIEP6756.E2	02-DEC-2010	17:52:42.548
EGOI_101202MSEP8526.E2	02-DEC-2010	00:29:55.584
EGOI_101202MSEP8548.E2	02-DEC-2010	11:08:55.050
EGOI_101202MSEP8575.E2	02-DEC-2010	12:48:40.670
EGOI_101202MSEP8603.E2	02-DEC-2010	22:18:11.195
EGOI_101202SGEP9833.E2	02-DEC-2010	02:53:00.970
EGOI_101202SGEP9839.E2	02-DEC-2010	04:32:52.593
EGOI_101202SGEP9845.E2	02-DEC-2010	13:52:38.060
EGOI_101202SGEP9852.E2	02-DEC-2010	15:27:11.644
EGOI_101202SGEP9860.E2	02-DEC-2010	17:12:28.805

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1.3 - List of data gaps

Station	Orbit	Date	Start Time	Stop Time	Duration (s)
KS	81652	02-DEC-2010	07:33:58.190	07:36:01.224	123.03400
KS	81653	02-DEC-2010	09:13:32.030	09:16:03.350	151.32000
KS	81654	02-DEC-2010	10:53:08.114	10:55:41.463	153.34900
KS	81655	02-DEC-2010	12:32:28.233	12:35:01.582	153.34900
KS	81656	02-DEC-2010	14:11:20.852	14:13:57.695	156.84300
KS	81657	02-DEC-2010	15:49:13.280	15:51:47.801	154.52100
KS	81658	02-DEC-2010	17:27:07.317	17:29:43.911	156.59400
KS	81659	02-DEC-2010	19:05:19.882	19:07:34.015	134.13300
KS	81660	02-DEC-2010	20:45:13.181	20:47:13.633	120.45200
KS	81661	02-DEC-2010	22:27:14.981	22:29:15.766	120.78500
GS	81649	02-DEC-2010	02:13:44.245	02:15:14.239	89.994000
GS	81650	02-DEC-2010	03:53:12.550	03:55:19.357	126.80700

MS	81648	02-DEC-2010	00:27:59.640	00:29:55.583	115.94300
MS	81654	02-DEC-2010	11:06:16.455	11:08:55.049	158.59400
MS	81655	02-DEC-2010	12:46:07.458	12:48:40.670	153.21200
MS	81661	02-DEC-2010	22:16:13.190	22:18:11.194	118.00400
MS	81662	02-DEC-2010	23:55:18.551	23:57:35.815	137.26400
MA	81653	02-DEC-2010	09:21:42.944	09:23:18.390	95.446000
MA	81654	02-DEC-2010	11:01:59.395	11:03:17.512	78.117000
MI	81649	02-DEC-2010	02:10:33.306	02:12:51.724	138.41800
MI	81650	02-DEC-2010	03:47:33.380	03:50:38.831	185.45100
MI	81656	02-DEC-2010	14:31:02.333	14:33:17.310	134.97700
MI	81657	02-DEC-2010	16:07:36.935	16:10:01.413	144.47800
MI	81658	02-DEC-2010	17:50:37.000	17:52:42.547	125.54700
SG	81649	02-DEC-2010	02:50:32.520	02:53:00.970	148.45000
SG	81649	02-DEC-2010	02:57:08.496	03:03:30.995	382.49900
SG	81650	02-DEC-2010	04:30:32.871	04:32:52.592	139.72100
SG	81656	02-DEC-2010	15:24:48.382	15:27:11.643	143.26100
CM	81657	02-DEC-2010	16:10:29.863	16:11:59.925	90.062000
CM	81658	02-DEC-2010	17:52:06.471	17:53:14.052	67.581000

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1.4 - List of missing products

Station	Orbit	Date	Start Time	Stop Time	Duration (s)
MM	81647	01-DEC-2010	23:51:33.080	00:03:09.036	695.95600
HO	81648	02-DEC-2010	01:21:35.980	01:34:05.741	749.76100
MM	81648	02-DEC-2010	01:33:31.362	01:43:21.535	590.17300
BE	81649	02-DEC-2010	02:39:03.685	02:52:17.254	793.56900
MM	81649	02-DEC-2010	03:16:24.298	03:23:53.886	449.58800
CM	81649	02-DEC-2010	03:46:34.649	03:58:46.720	732.07100
BE	81650	02-DEC-2010	04:19:03.295	04:30:12.829	669.53400
MM	81650	02-DEC-2010	04:59:22.525	05:05:12.271	349.74600
MM	81651	02-DEC-2010	06:41:10.869	06:47:49.990	399.12100
KS	81651	02-DEC-2010	05:55:25.697	05:59:51.165	265.46800
JO	81651	02-DEC-2010	06:24:28.247	06:31:10.047	401.80000
MM	81652	02-DEC-2010	08:21:56.033	08:30:53.623	537.59000
JO	81652	02-DEC-2010	07:58:43.930	08:13:37.789	893.85900
MM	81653	02-DEC-2010	10:02:14.599	10:13:15.639	661.04000

JO	81653	02-DEC-2010	09:40:13.468	09:51:17.565	664.09700
MM	81654	02-DEC-2010	11:42:18.512	11:54:33.823	735.31100
MM	81655	02-DEC-2010	13:22:08.794	13:34:51.310	762.51600
BE	81656	02-DEC-2010	13:55:39.820	14:09:01.523	801.70300
HO	81656	02-DEC-2010	15:11:46.179	15:20:07.175	500.99600
MM	81656	02-DEC-2010	15:01:43.701	15:14:24.079	760.37800
GS	81656	02-DEC-2010	14:23:23.083	14:33:54.858	631.77500
BE	81657	02-DEC-2010	15:37:19.777	15:47:07.322	587.54500
MM	81657	02-DEC-2010	16:41:02.418	16:53:34.714	752.29600
GS	81657	02-DEC-2010	16:01:44.306	16:15:39.976	835.67000
MM	81658	02-DEC-2010	18:20:10.842	18:32:45.036	754.19400
GS	81658	02-DEC-2010	17:42:00.279	17:52:38.449	638.17000
MM	81659	02-DEC-2010	19:59:25.345	20:12:08.149	762.80400
MA	81659	02-DEC-2010	19:03:23.960	19:08:50.710	326.75000
JO	81659	02-DEC-2010	20:18:50.944	20:33:32.235	881.29100
MM	81660	02-DEC-2010	21:39:09.258	21:51:47.740	758.48200
MA	81660	02-DEC-2010	20:37:14.900	20:50:54.838	819.93800
JO	81660	02-DEC-2010	21:58:56.323	22:11:21.166	744.84300
HO	81661	02-DEC-2010	23:10:12.851	23:24:04.419	831.56800
MM	81661	02-DEC-2010	23:19:43.725	23:31:42.272	718.54700

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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

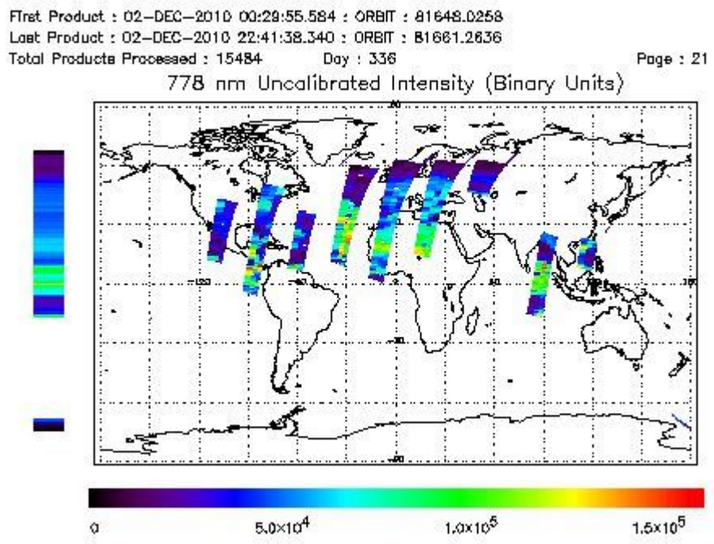
Indicator	Value
MPH Product Confidence	OK
SPH Product Confidence	OK
Command Word Echo Summary	OK
Instrument Status 1A	OK
Instrument Status 1B	OK
Instrument Status 2	OK
Integration Times Channel 1	OK
Co-Adding and Cluster Mode Flags	OK
Integration Times Band 2A	OK
Integration Times Band 2B	OK
Integration Times Band 3	OK

Integration Times Band 4	OK
Scan Mirror position	Polar View operated
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

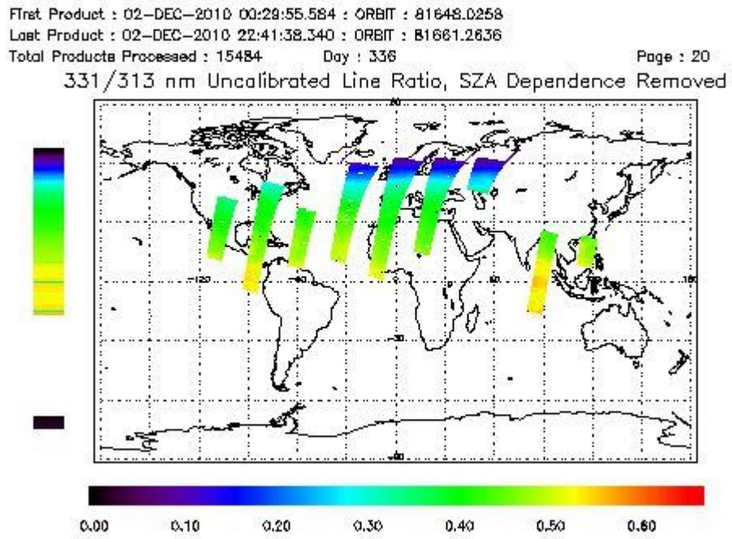
2.2 - Daily Plots

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

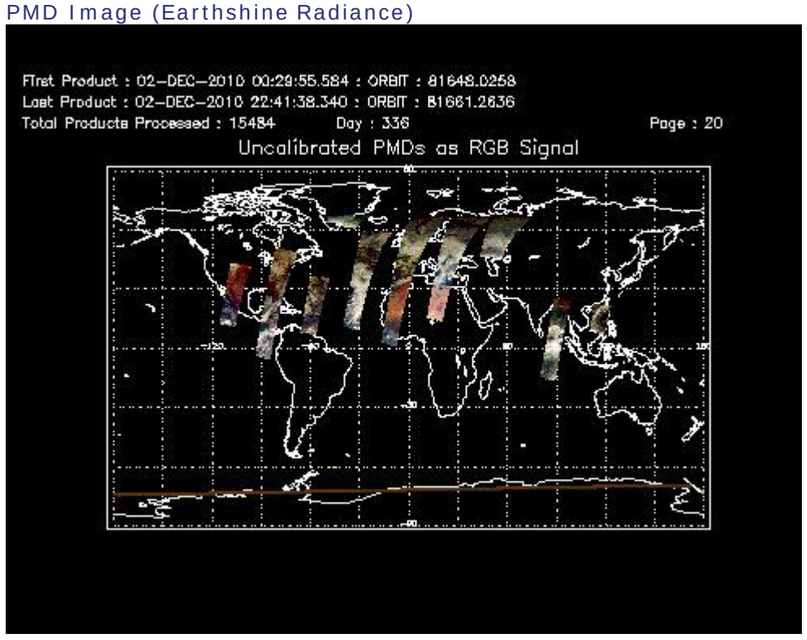
NEAR IR Intensity



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	12:41:48.125	--	81655	Yes	--	15747.0

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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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
01:00 05-Sep	--	80388	--

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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