GOME Daily Report

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1 - General Info

1.1 - Report Summary

Item	Value
Report Version	GOMEver3_3
Report of Day	14-DEC-2010
Start Time of First Product	00:54:28
Stop Time of Last Product	23:49:13
Number of EGOI Products analysed	24
Number of corrupted products	--
Anomalies and/or Special Operations	Narrow Swath performed as planned, start orbit: 81828

1.2 - List of received products

Name	Date	Time
EGOI_101214CMEP2602.E2	14-DEC-2010	04:13:54.456
EGOI_101214CMEP2610.E2	14-DEC-2010	14:58:25.980
EGOI_101214CMEP2618.E2	14-DEC-2010	16:34:32.580
EGOI_101214HLEP8725.E2	14-DEC-2010	23:35:03.686
EGOI_101214KSEP7671.E2	14-DEC-2010	07:59:13.854
EGOI_101214KSEP7691.E2	14-DEC-2010	09:38:51.975
EGOI_101214KSEP7721.E2	14-DEC-2010	11:18:28.591
EGOI_101214KSEP7743.E2	14-DEC-2010	12:57:40.231
EGOI_101214KSEP7770.E2	14-DEC-2010	14:36:30.343

EGOI_101214KSEP7784.E2	14-DEC-2010	16:14:11.455
EGOI_101214KSEP7810.E2	14-DEC-2010	17:52:18.058
EGOI_101214KSEP7841.E2	14-DEC-2010	19:30:20.171
EGOI_101214KSEP7857.E2	14-DEC-2010	21:10:28.294
EGOI_101214KSEP7875.E2	14-DEC-2010	22:53:19.934
EGOI_101214MIEP7807.E2	14-DEC-2010	02:34:26.841
EGOI_101214MIEP7833.E2	14-DEC-2010	04:13:52.956
EGOI_101214MIEP7859.E2	14-DEC-2010	14:54:39.456
EGOI_101214MIEP7888.E2	14-DEC-2010	16:32:44.568
EGOI_101214MSEP0008.E2	14-DEC-2010	22:40:30.352
EGOI_101214MSEP9931.E2	14-DEC-2010	00:54:27.718
EGOI_101214MSEP9954.E2	14-DEC-2010	11:31:30.177
EGOI_101214MSEP9978.E2	14-DEC-2010	13:12:16.322
EGOI_101214SGEP0143.E2	14-DEC-2010	03:15:19.595
EGOI_101214SGEP0149.E2	14-DEC-2010	04:57:08.226

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1.3 - List of data gaps

Station	Orbit	Date	Start Time	Stop Time	Duration (s)
KS	81824	14-DEC-2010	07:56:42.144	07:59:13.854	151.71000
KS	81825	14-DEC-2010	09:36:18.517	09:38:51.974	153.45700
KS	81826	14-DEC-2010	11:15:52.470	11:18:28.591	156.12100
KS	81827	14-DEC-2010	12:55:06.352	12:57:40.230	153.87800
KS	81828	14-DEC-2010	14:33:51.554	14:36:30.342	158.78800
KS	81829	14-DEC-2010	16:11:32.922	16:14:11.455	158.53300
KS	81830	14-DEC-2010	17:49:27.397	17:52:18.057	170.66000
KS	81831	14-DEC-2010	19:28:00.448	19:30:20.170	139.72200
KS	81832	14-DEC-2010	21:08:19.630	21:10:28.293	128.66300
KS	81833	14-DEC-2010	22:50:57.519	22:53:19.934	142.41500
MS	81833	14-DEC-2010	22:38:18.712	22:40:30.351	131.63900
MS	81826	14-DEC-2010	11:28:48.905	11:31:30.177	161.27200
MS	81827	14-DEC-2010	13:09:38.678	13:12:16.322	157.64400
MI	81821	14-DEC-2010	02:32:00.884	02:34:26.840	145.95600
MI	81822	14-DEC-2010	04:10:42.491	04:13:52.955	190.46400
MI	81828	14-DEC-2010	14:52:15.712	14:54:39.455	143.74300
MI	81829	14-DEC-2010	16:30:29.450	16:32:44.568	135.11800
SG	81821	14-DEC-2010	03:12:48.619	03:15:19.595	150.97600
SG	81821	14-DEC-2010	03:19:58.621	03:26:33.746	395.12500
SG	81822	14-DEC-2010	04:54:46.132	04:57:08.226	142.09400

CM	81829	14-DEC-2010	16:33:06.540	16:34:32.580	86.040000

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1.4 - List of missing products

Station	Orbit	Date	Start Time	Stop Time	Duration (s)
HO	81819	14-DEC-2010	00:03:36.682	00:18:10.306	873.62400
MM	81819	14-DEC-2010	00:14:45.796	00:26:02.049	676.25300
HO	81820	14-DEC-2010	01:45:47.491	01:56:09.933	622.44200
MM	81820	14-DEC-2010	01:56:58.467	02:06:18.135	559.66800
GS	81820	14-DEC-2010	00:59:22.512	01:09:05.630	583.11800
BE	81821	14-DEC-2010	03:01:42.570	03:15:07.690	805.12000
MM	81821	14-DEC-2010	03:39:58.876	03:46:57.547	418.67100
GS	81821	14-DEC-2010	02:35:44.914	02:49:35.599	830.68500
CM	81821	14-DEC-2010	02:34:54.764	02:38:21.307	206.54300
CM	81821	14-DEC-2010	04:09:07.666	04:21:32.311	744.64500
BE	81822	14-DEC-2010	04:42:19.351	04:51:45.912	566.56100
MM	81822	14-DEC-2010	05:22:46.473	05:28:32.957	346.48400
GS	81822	14-DEC-2010	04:16:47.409	04:28:17.508	690.09900
MM	81823	14-DEC-2010	07:04:16.432	07:11:24.347	427.91500
KS	81823	14-DEC-2010	06:17:38.838	06:24:18.402	399.56400
JO	81823	14-DEC-2010	06:44:57.805	06:55:21.827	624.02200
MM	81824	14-DEC-2010	08:44:53.317	08:54:22.573	569.25600
MA	81824	14-DEC-2010	08:06:33.525	08:16:14.158	580.63300
JO	81824	14-DEC-2010	08:21:20.670	08:36:21.355	900.68500
MM	81825	14-DEC-2010	10:25:08.087	10:36:30.734	682.64700
MA	81825	14-DEC-2010	09:44:21.695	09:58:02.486	820.79100
JO	81825	14-DEC-2010	10:05:02.947	10:12:16.295	433.34800
MM	81826	14-DEC-2010	12:05:08.970	12:17:34.183	745.21300
MA	81826	14-DEC-2010	11:25:28.500	11:33:40.289	491.78900
MM	81827	14-DEC-2010	13:44:55.917	13:57:39.710	763.79300
SG	81827	14-DEC-2010	14:10:46.579	14:19:55.731	549.15200
BE	81828	14-DEC-2010	14:18:21.873	14:31:44.320	802.44700
MM	81828	14-DEC-2010	15:24:27.060	15:37:05.311	758.25100
GS	81828	14-DEC-2010	14:45:34.828	14:56:23.627	648.79900
SG	81828	14-DEC-2010	15:47:36.804	16:01:12.181	815.37700
BE	81829	14-DEC-2010	16:02:00.166	16:08:31.296	391.13000

MM	81829	14-DEC-2010	17:03:42.546	17:16:14.170	751.62400
GS	81829	14-DEC-2010	16:24:31.020	16:38:13.530	822.51000
MM	81830	14-DEC-2010	18:42:50.539	18:55:26.641	756.10200
GS	81830	14-DEC-2010	18:05:14.211	18:14:04.354	530.14300
JO	81830	14-DEC-2010	19:05:16.279	19:12:58.636	462.35700
MM	81831	14-DEC-2010	20:22:09.645	20:34:53.475	763.83000
MA	81831	14-DEC-2010	19:24:22.867	19:33:29.828	546.96100
JO	81831	14-DEC-2010	20:41:24.196	20:56:25.442	901.24600
HO	81832	14-DEC-2010	21:56:39.675	22:06:24.231	584.55600
MM	81832	14-DEC-2010	22:02:03.481	22:14:36.688	753.20700
MA	81832	14-DEC-2010	21:00:04.104	21:13:37.211	813.10700
JO	81832	14-DEC-2010	22:22:29.865	22:32:38.840	608.97500
HO	81833	14-DEC-2010	23:32:31.285	23:46:53.394	862.10900
MM	81833	14-DEC-2010	23:42:51.704	23:54:34.335	702.63100
MA	81833	14-DEC-2010	22:45:40.980	22:50:13.003	272.02300

[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

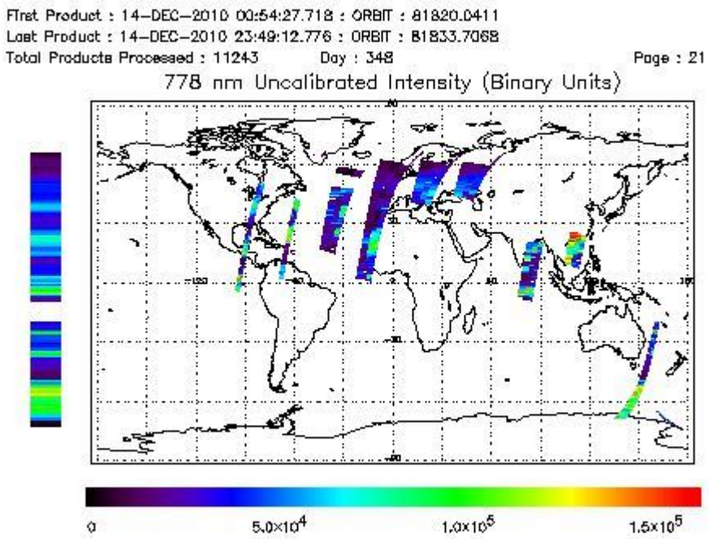
Indicator	Value
MPH Product Confidence	OK
SPH Product Confidence	OK
Command Word Echo Summary	OK
Instrument Status 1A	OK
Instrument Status 1B	OK
Instrument Status 2	OK
Integration Times Channel 1	OK
Co-Adding and Cluster Mode Flags	OK
Integration Times Band 2A	OK
Integration Times Band 2B	OK
Integration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

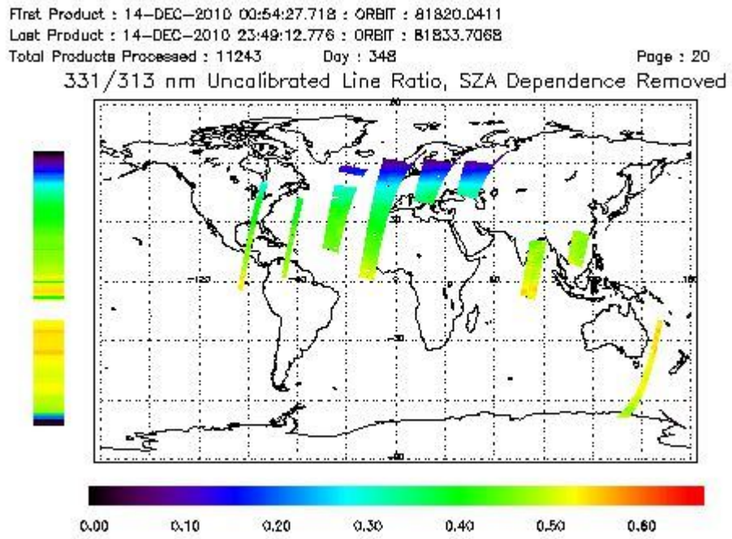
2.2 - Daily Plots

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

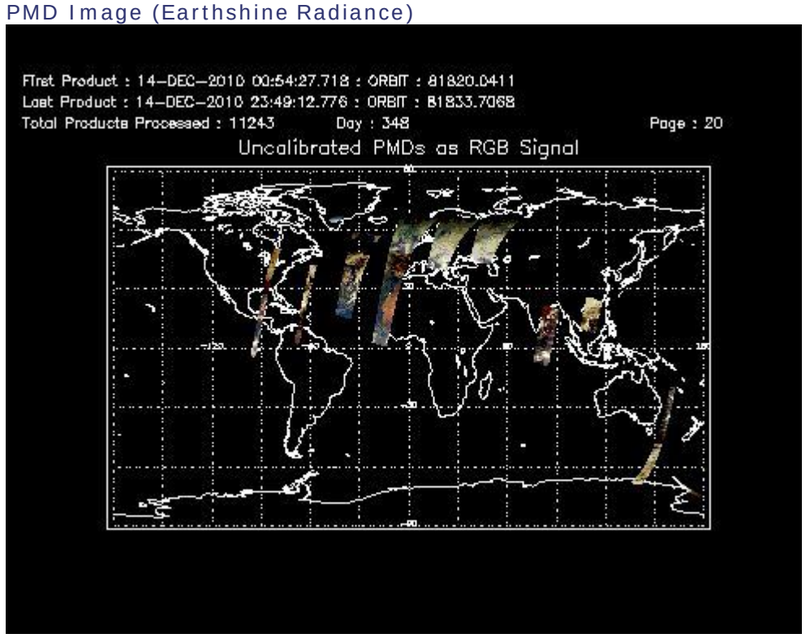
NEAR IR Intensity



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	13:05:16.277	--	81827	Yes	--	15785

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
--	--	--

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
14:00	--	81828	--

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