GOME Daily Report

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1 - General Info

1.1 - Report Summary

Item	Value
Report Version	GOMEver3_3
Report of Day	04-DEC-2010
Start Time of First Product	01:14:47
Stop Time of Last Product	23:18:37
Number of EGOI Products analysed	35
Number of corrupted products	--
Anomalies and/or Special Operations	Narrow Swath performed as planned, start orbit: 81684

1.2 - List of received products

Name	Date	Time
EGOI_101204CMEP2311.E2	04-DEC-2010	02:49:41.309
EGOI_101204CMEP2315.E2	04-DEC-2010	04:27:26.916
EGOI_101204CMEP2324.E2	04-DEC-2010	15:11:27.763
EGOI_101204CMEP2332.E2	04-DEC-2010	16:48:52.362
EGOI_101204GSEP0458.E2	04-DEC-2010	01:14:46.721
EGOI_101204GSEP0490.E2	04-DEC-2010	02:51:48.820
EGOI_101204GSEP0518.E2	04-DEC-2010	04:33:41.955
EGOI_101204GSEP0525.E2	04-DEC-2010	06:15:50.090
EGOI_101204KSEP5050.E2	04-DEC-2010	06:33:29.191

EGOI_101204KSEP5077.E2	04-DEC-2010	08:13:25.314
EGOI_101204KSEP5096.E2	04-DEC-2010	09:53:04.934
EGOI_101204KSEP5117.E2	04-DEC-2010	11:32:42.906
EGOI_101204KSEP5146.E2	04-DEC-2010	13:11:46.521
EGOI_101204KSEP5157.E2	04-DEC-2010	14:50:32.133
EGOI_101204KSEP5184.E2	04-DEC-2010	16:28:11.737
EGOI_101204KSEP5214.E2	04-DEC-2010	18:06:12.349
EGOI_101204KSEP5245.E2	04-DEC-2010	19:44:21.953
EGOI_101204KSEP5267.E2	04-DEC-2010	21:24:54.080
EGOI_101204KSEP5291.E2	04-DEC-2010	23:07:41.212
EGOI_101204MAEP0433.E2	04-DEC-2010	10:00:33.476
EGOI_101204MAEP0450.E2	04-DEC-2010	21:17:15.032
EGOI_101204MIEP6888.E2	04-DEC-2010	02:48:02.297
EGOI_101204MIEP6916.E2	04-DEC-2010	04:27:44.916
EGOI_101204MIEP6944.E2	04-DEC-2010	15:08:17.243
EGOI_101204MIEP6973.E2	04-DEC-2010	16:47:17.855
EGOI_101204MSEP8753.E2	04-DEC-2010	10:08:29.030
EGOI_101204MSEP8782.E2	04-DEC-2010	11:45:48.992
EGOI_101204MSEP8804.E2	04-DEC-2010	13:27:06.117
EGOI_101204MSEP8817.E2	04-DEC-2010	21:19:46.549
EGOI_101204MSEP8849.E2	04-DEC-2010	22:54:39.633
EGOI_101204SGEP9895.E2	04-DEC-2010	01:54:58.972
EGOI_101204SGEP9902.E2	04-DEC-2010	03:40:49.122
EGOI_101204SGEP9908.E2	04-DEC-2010	05:12:19.690
EGOI_101204SGEP9913.E2	04-DEC-2010	14:26:15.485
EGOI_101204SGEP9920.E2	04-DEC-2010	16:04:52.096

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1.3 - List of data gaps

Station	Orbit	Date	Start Time	Stop Time	Duration (s)
KS	81680	04-DEC-2010	06:31:41.553	06:33:29.190	107.63700
KS	81681	04-DEC-2010	08:10:55.270	08:13:25.313	150.04300
KS	81682	04-DEC-2010	09:50:32.506	09:53:04.933	152.42700
KS	81683	04-DEC-2010	11:30:04.685	11:32:42.905	158.22000
KS	81684	04-DEC-2010	13:09:14.134	13:11:46.521	152.38700
KS	81685	04-DEC-2010	14:47:54.579	14:50:32.132	157.55300
KS	81686	04-DEC-2010	16:25:34.474	16:28:11.736	157.26200
KS	81687	04-DEC-2010	18:03:21.504	18:06:12.349	170.84500
KS	81688	04-DEC-2010	19:42:13.409	19:44:21.952	128.54300
KS	81689	04-DEC-2010	21:22:49.749	21:24:54.079	124.33000
KS	81690	04-DEC-2010	23:05:52.108	23:07:41.211	109.10300
GS	81677	04-DEC-2010	01:12:49.777	01:14:46.720	116.94300

GS	81678	04-DEC-2010	02:49:53.103	02:51:48.820	115.71700
GS	81679	04-DEC-2010	04:31:44.540	04:33:41.954	117.41400
MS	81682	04-DEC-2010	10:06:04.974	10:08:29.030	144.05600
MS	81683	04-DEC-2010	11:43:00.116	11:45:48.991	168.87500
MS	81684	04-DEC-2010	13:24:37.358	13:27:06.117	148.75900
MS	81690	04-DEC-2010	22:52:17.543	22:54:39.633	142.09000
MA	81682	04-DEC-2010	09:58:34.951	10:00:33.476	118.52500
MA	81689	04-DEC-2010	21:14:32.648	21:17:15.032	162.38400
MI	81678	04-DEC-2010	02:45:41.315	02:48:02.297	140.98200
MI	81679	04-DEC-2010	04:25:23.750	04:27:44.916	141.16600
MI	81685	04-DEC-2010	15:05:55.413	15:08:17.242	141.82900
MI	81686	04-DEC-2010	16:44:54.306	16:47:17.855	143.54900
SG	81684	04-DEC-2010	14:23:59.303	14:26:15.485	136.18200
SG	81685	04-DEC-2010	16:02:02.616	16:04:52.095	169.47900
CM	81678	04-DEC-2010	02:47:04.417	02:49:41.309	156.89200
CM	81686	04-DEC-2010	16:47:23.224	16:48:52.362	89.138000

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1.4 - List of missing products

Station	Orbit	Date	Start Time	Stop Time	Duration (s)
HO	81676	04-DEC-2010	00:17:43.769	00:32:21.929	878.16000
MM	81676	04-DEC-2010	00:29:18.006	00:40:20.542	662.53600
HO	81677	04-DEC-2010	02:01:23.663	02:09:30.573	486.91000
MM	81677	04-DEC-2010	02:11:39.299	02:20:39.065	539.76600
BE	81678	04-DEC-2010	03:15:55.649	03:29:16.029	800.38000
MM	81678	04-DEC-2010	03:54:42.808	04:01:23.730	400.92200
BE	81679	04-DEC-2010	04:57:01.579	05:04:59.169	477.59000
MM	81679	04-DEC-2010	05:37:21.541	05:43:10.769	349.22800
MM	81680	04-DEC-2010	07:18:41.022	07:26:08.468	447.44600
JO	81680	04-DEC-2010	06:58:14.380	07:10:06.653	712.27300
MM	81681	04-DEC-2010	08:59:13.571	09:09:01.774	588.20300
MA	81681	04-DEC-2010	08:20:07.087	08:31:15.594	668.50700
JO	81681	04-DEC-2010	08:35:37.773	08:50:27.895	890.12200
MM	81682	04-DEC-2010	10:39:26.164	10:51:00.911	694.74700
HO	81683	04-DEC-2010	12:28:22.886	12:42:52.451	869.56500
MM	81683	04-DEC-2010	12:19:25.143	12:31:55.339	750.19600

MA	81683	04-DEC-2010	11:40:00.579	11:46:53.142	412.56300
HO	81684	04-DEC-2010	14:07:57.008	14:21:12.623	795.61500
MM	81684	04-DEC-2010	13:59:09.946	14:11:53.870	763.92400
SG	81684	04-DEC-2010	14:23:59.303	14:34:58.460	659.15700
BE	81685	04-DEC-2010	14:32:41.450	14:45:52.165	790.71500
MM	81685	04-DEC-2010	15:38:38.726	15:51:15.625	756.89900
GS	81685	04-DEC-2010	14:59:34.225	15:12:23.782	769.55700
MM	81686	04-DEC-2010	17:17:52.394	17:30:23.936	751.54200
GS	81686	04-DEC-2010	16:38:47.542	16:52:12.674	805.13200
MM	81687	04-DEC-2010	18:57:00.609	19:09:38.038	757.42900
GS	81687	04-DEC-2010	18:19:53.673	18:27:14.800	441.12700
JO	81687	04-DEC-2010	19:18:19.647	19:28:33.285	613.63800
MM	81688	04-DEC-2010	20:36:23.247	20:49:07.250	764.00300
MA	81688	04-DEC-2010	19:36:04.546	19:48:01.387	716.84100
JO	81688	04-DEC-2010	20:55:35.772	21:10:34.491	898.71900
HO	81689	04-DEC-2010	22:09:58.012	22:20:56.320	658.30800
MM	81689	04-DEC-2010	22:16:23.818	22:28:52.658	748.84000
JO	81689	04-DEC-2010	22:37:32.164	22:45:33.098	480.93400
HO	81690	04-DEC-2010	23:46:41.148	00:01:06.909	865.76100
MM	81690	04-DEC-2010	23:57:20.933	00:08:52.223	691.29000

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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

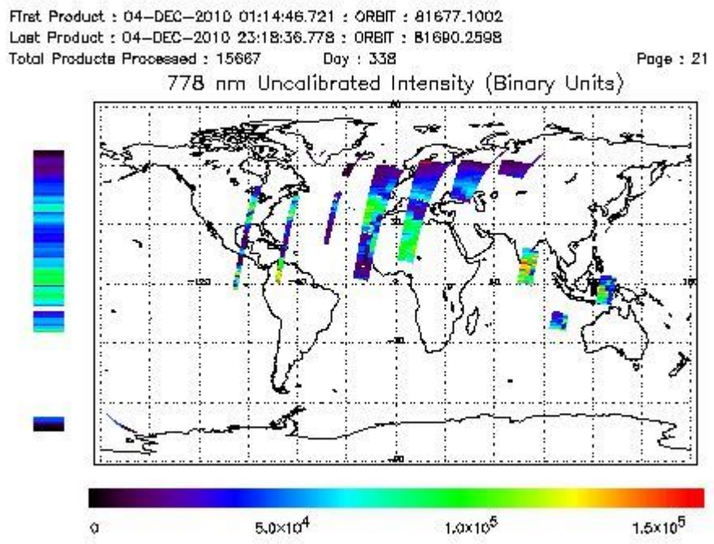
Indicator	Value
MPH Product Confidence	OK
SPH Product Confidence	OK
Command Word Echo Summary	OK
Instrument Status 1A	OK
Instrument Status 1B	OK
Instrument Status 2	OK
Integration Times Channel 1	OK
Co-Adding and Cluster Mode Flags	OK
Integration Times Band 2A	OK
Integration Times Band 2B	OK
Integration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

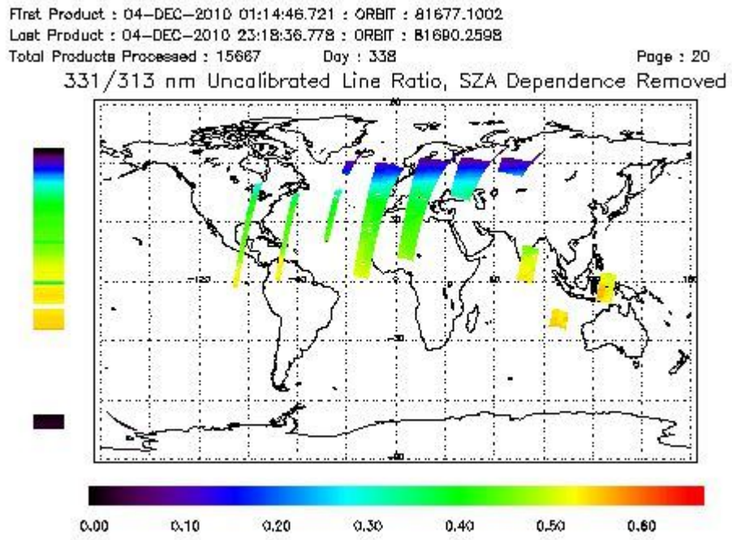
2.2 - Daily Plots

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

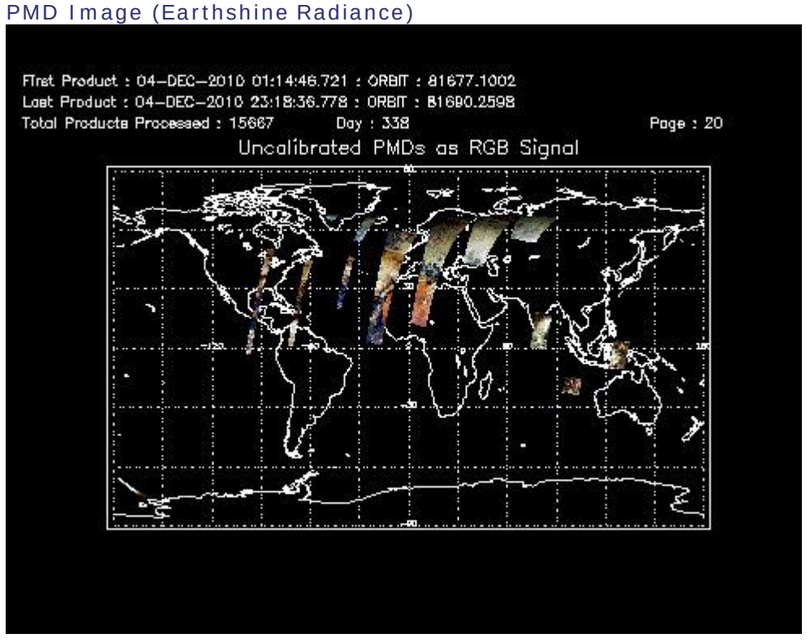
NEAR IR Intensity



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	11:38:39.941	--	81683	Yes	--	15762

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
13:00	--	81684	--

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