GOME Daily Report

INDEX

1 - General Info

1.1 - Report Summary

Item	Value
Report Version	GOMEver3_3
Report of Day	12-DEC-2010
Start Time of First Product	00:15:16
Stop Time of Last Product	23:11:59
Number of EGOI Products analysed	32
Number of corrupted products	--
Anomalies and/or Special Operations	Nominal Data

1.2 - List of received products

Name	Date	Time
EGOI_101212CMEP2538.E2	12-DEC-2010	03:38:39.365
EGOI_101212CMEP2547.E2	12-DEC-2010	05:14:39.961
EGOI_101212CMEP2556.E2	12-DEC-2010	15:58:04.957
EGOI_101212CMEP2563.E2	12-DEC-2010	17:38:22.077
EGOI_101212HLEP8705.E2	12-DEC-2010	22:59:00.066
EGOI_101212KSEP7140.E2	12-DEC-2010	07:21:52.752
EGOI_101212KSEP7159.E2	12-DEC-2010	09:01:51.872
EGOI_101212KSEP7180.E2	12-DEC-2010	10:41:29.988
EGOI_101212KSEP7206.E2	12-DEC-2010	12:20:53.108

EGOI_101212KSEP7234.E2	12-DEC-2010	13:59:52.220
EGOI_101212KSEP7260.E2	12-DEC-2010	15:37:49.828
EGOI_101212KSEP7287.E2	12-DEC-2010	17:15:42.936
EGOI_101212KSEP7318.E2	12-DEC-2010	18:53:34.545
EGOI_101212KSEP7344.E2	12-DEC-2010	20:32:53.160
EGOI_101212KSEP7372.E2	12-DEC-2010	22:14:56.796
EGOI_101212MAEP0765.E2	12-DEC-2010	09:09:03.915
EGOI_101212MAEP0776.E2	12-DEC-2010	10:49:00.034
EGOI_101212MAEP0793.E2	12-DEC-2010	20:25:53.116
EGOI_101212MAEP0813.E2	12-DEC-2010	22:06:41.740
EGOI_101212MIEP7632.E2	12-DEC-2010	01:59:49.254
EGOI_101212MIEP7661.E2	12-DEC-2010	03:35:48.350
EGOI_101212MIEP7680.E2	12-DEC-2010	05:20:14.496
EGOI_101212MIEP7695.E2	12-DEC-2010	14:20:53.849
EGOI_101212MIEP7704.E2	12-DEC-2010	15:55:49.942
EGOI_101212MIEP7725.E2	12-DEC-2010	17:37:19.069
EGOI_101212MSEP9676.E2	12-DEC-2010	00:15:15.604
EGOI_101212MSEP9700.E2	12-DEC-2010	10:54:58.575
EGOI_101212MSEP9728.E2	12-DEC-2010	12:34:18.686
EGOI_101212MSEP9755.E2	12-DEC-2010	22:04:43.229
EGOI_101212SGEP0094.E2	12-DEC-2010	04:28:51.679
EGOI_101212SGEP0101.E2	12-DEC-2010	15:14:39.183
EGOI_101212SGEP0107.E2	12-DEC-2010	16:55:24.811

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1.3 - List of data gaps

Station	Orbit	Date	Start Time	Stop Time	Duration (s)
KS	81795	12-DEC-2010	07:19:46.643	07:21:52.752	126.10900
KS	81796	12-DEC-2010	08:59:17.991	09:01:51.871	153.88000
KS	81797	12-DEC-2010	10:38:54.962	10:41:29.987	155.02500
KS	81798	12-DEC-2010	12:18:18.459	12:20:53.108	154.64900
KS	81799	12-DEC-2010	13:57:12.507	13:59:52.220	159.71300
KS	81800	12-DEC-2010	15:35:15.525	15:37:49.827	154.30200
KS	81801	12-DEC-2010	17:13:03.625	17:15:42.936	159.31100
KS	81802	12-DEC-2010	18:51:11.965	18:53:34.545	142.58000
KS	81803	12-DEC-2010	20:30:50.056	20:32:53.159	123.10300
KS	81804	12-DEC-2010	22:12:30.840	22:14:56.795	145.95500
KS	81805	12-DEC-2010	23:57:17.100	23:59:54.447	157.34700
MS	81791	12-DEC-2010	00:12:59.991	00:15:15.604	135.61300
MS	81797	12-DEC-2010	10:52:20.011	10:54:58.575	158.56400
MS	81798	12-DEC-2010	12:31:36.407	12:34:18.685	162.27800

MS	81804	12-DEC-2010	22:02:36.664	22:04:43.229	126.56500
MS	81805	12-DEC-2010	23:40:45.438	23:43:06.340	140.90200
MA	81796	12-DEC-2010	09:07:51.894	09:09:03.915	72.021000
MA	81797	12-DEC-2010	10:47:02.173	10:49:00.034	117.86100
MA	81803	12-DEC-2010	20:23:10.873	20:25:53.115	162.24200
MA	81804	12-DEC-2010	22:05:21.922	22:06:41.740	79.818000
MI	81792	12-DEC-2010	01:57:32.479	01:59:49.254	136.77500
MI	81793	12-DEC-2010	03:33:16.255	03:35:48.350	152.09500
MI	81794	12-DEC-2010	05:18:28.214	05:20:14.495	106.28100
MI	81799	12-DEC-2010	14:19:11.823	14:20:53.849	102.02600
MI	81800	12-DEC-2010	15:53:25.704	15:55:49.941	144.23700
MI	81801	12-DEC-2010	17:34:59.824	17:37:19.069	139.24500
SG	81799	12-DEC-2010	15:10:43.200	15:14:39.183	235.98300
SG	81800	12-DEC-2010	16:52:40.114	16:55:24.810	164.69600
CM	81793	12-DEC-2010	05:13:22.243	05:14:39.960	77.717000
CM	81800	12-DEC-2010	15:56:31.396	15:58:04.957	93.561000
CM	81801	12-DEC-2010	17:36:57.921	17:38:22.077	84.156000

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1.4 - List of missing products

Station	Orbit	Date	Start Time	Stop Time	Duration (s)
HO	81791	12-DEC-2010	01:06:59.628	01:20:11.188	791.56000
MM	81791	12-DEC-2010	01:18:53.437	01:29:01.653	608.21600
BE	81792	12-DEC-2010	02:24:58.690	02:37:52.032	773.34200
MM	81792	12-DEC-2010	03:01:40.394	03:09:30.268	469.87400
GS	81792	12-DEC-2010	01:59:24.256	02:12:28.258	784.00200
SG	81792	12-DEC-2010	02:36:50.175	02:48:54.607	724.43200
CM	81792	12-DEC-2010	03:32:40.891	03:44:24.303	703.41200
BE	81793	12-DEC-2010	04:04:36.986	04:16:33.405	716.41900
MM	81793	12-DEC-2010	04:44:42.857	04:50:39.274	356.41700
GS	81793	12-DEC-2010	03:38:38.446	03:51:54.936	796.49000
MM	81794	12-DEC-2010	06:26:43.258	06:33:06.595	383.33700
MM	81795	12-DEC-2010	08:07:34.602	08:16:11.797	517.19500
JO	81795	12-DEC-2010	07:44:45.126	07:59:20.072	874.94600
MM	81796	12-DEC-2010	09:47:55.804	09:58:41.961	646.15700
JO	81796	12-DEC-2010	09:25:13.315	09:37:43.295	749.98000

MM	81797	12-DEC-2010	11:28:01.621	11:40:09.475	727.85400
MM	81798	12-DEC-2010	13:07:53.930	13:20:34.875	760.94500
HO	81799	12-DEC-2010	14:57:09.858	15:06:27.821	557.96300
MM	81799	12-DEC-2010	14:47:31.154	15:00:12.740	761.58600
GS	81799	12-DEC-2010	14:09:41.975	14:18:45.794	543.81900
SG	81799	12-DEC-2010	15:10:43.200	15:24:27.420	824.22000
BE	81800	12-DEC-2010	15:22:20.788	15:33:23.583	662.79500
MM	81800	12-DEC-2010	16:26:52.056	16:39:25.085	753.02900
GS	81800	12-DEC-2010	15:47:32.554	16:01:27.095	834.54100
MM	81801	12-DEC-2010	18:06:01.189	18:18:34.396	753.20700
GS	81801	12-DEC-2010	17:27:34.154	17:39:04.765	690.61100
MM	81802	12-DEC-2010	19:45:13.460	19:57:55.271	761.81100
MA	81802	12-DEC-2010	18:50:20.597	18:54:34.886	254.28900
JO	81802	12-DEC-2010	20:04:51.776	20:19:04.103	852.32700
MM	81803	12-DEC-2010	21:24:51.742	21:37:32.540	760.79800
JO	81803	12-DEC-2010	21:44:23.702	21:57:46.825	803.12300
HO	81804	12-DEC-2010	22:56:27.378	23:09:45.921	798.54300
MM	81804	12-DEC-2010	23:05:17.953	23:17:25.074	727.12100

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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

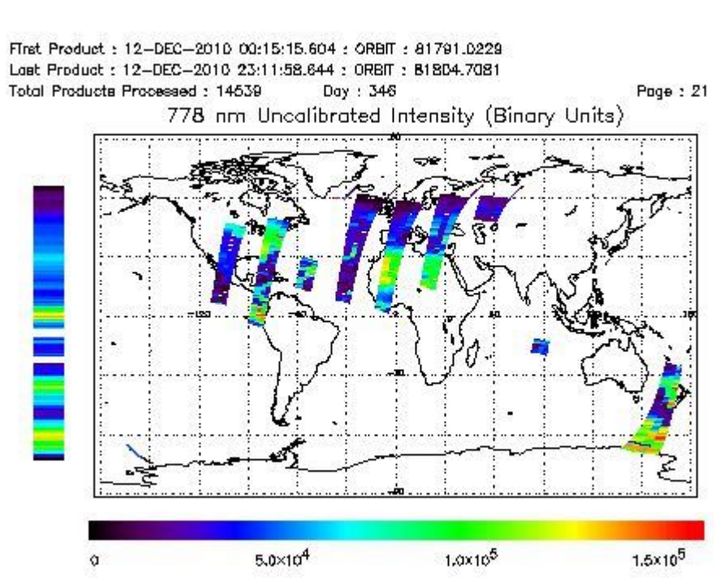
Indicator	Value
MPH Product Confidence	OK
SPH Product Confidence	OK
Command Word Echo Summary	OK
Instrument Status 1A	OK
Instrument Status 1B	OK
Instrument Status 2	OK
Integration Times Channel 1	OK
Co-Adding and Cluster Mode Flags	OK
Integration Times Band 2A	OK
Integration Times Band 2B	OK
Integration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

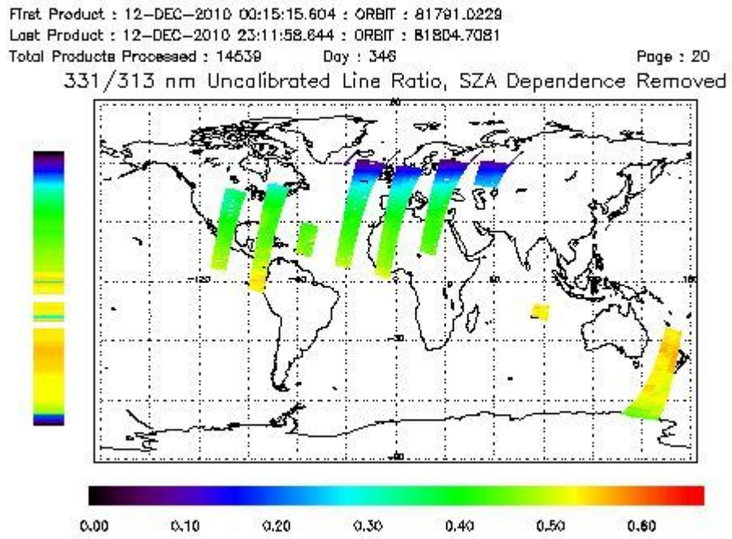
2.2 - Daily Plots

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

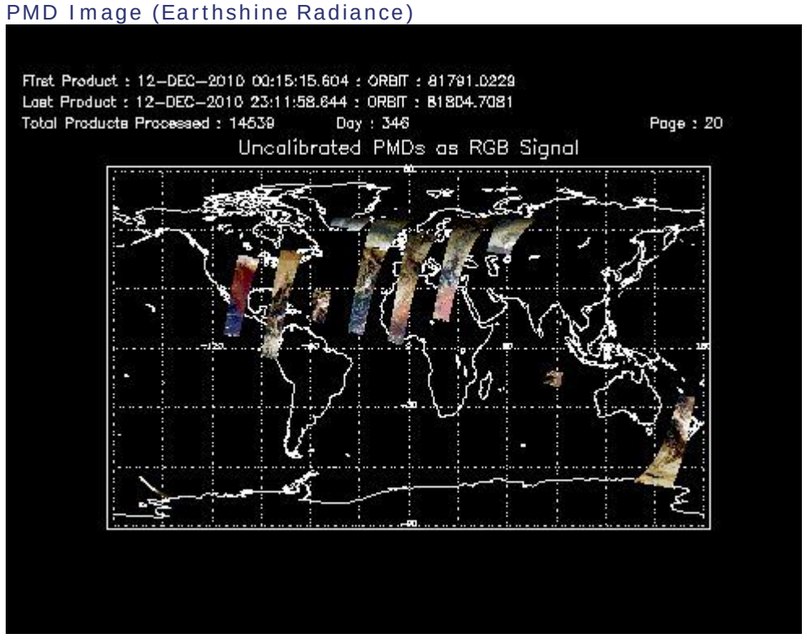
NEAR IR Intensity



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	10:47:15.023	--	81797	Yes	--	15726

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