GOME Daily Report

INDEX

1 - General Info

1.1 - Report Summary

Item	Value
Report Version	GOMEver3_3
Report of Day	22-DEC-2010
Start Time of First Product	00:00:33
Stop Time of Last Product	23:52:41
Number of EGOI Products analysed	33
Number of corrupted products	--
Anomalies and/or Special Operations	Nominal Data

1.2 - List of received products

Name	Date	Time
EGOI_101222CMEP2830.E2	22-DEC-2010	03:20:27.134
EGOI_101222CMEP2840.E2	22-DEC-2010	05:03:05.269
EGOI_101222CMEP2848.E2	22-DEC-2010	15:44:19.745
EGOI_101222CMEP2858.E2	22-DEC-2010	17:23:36.866
EGOI_101222GSEP1852.E2	22-DEC-2010	01:47:37.062
EGOI_101222GSEP1879.E2	22-DEC-2010	03:26:09.173
EGOI_101222GSEP1889.E2	22-DEC-2010	05:09:05.308
EGOI_101222KSEP9644.E2	22-DEC-2010	07:07:39.048
EGOI_101222KSEP9662.E2	22-DEC-2010	08:47:38.164

EGOI_101222KSEP9682.E2	22-DEC-2010	10:27:17.784
EGOI_101222KSEP9709.E2	22-DEC-2010	12:06:43.900
EGOI_101222KSEP9726.E2	22-DEC-2010	13:45:43.012
EGOI_101222KSEP9751.E2	22-DEC-2010	15:24:13.624
EGOI_101222KSEP9770.E2	22-DEC-2010	17:01:39.733
EGOI_101222KSEP9799.E2	22-DEC-2010	18:39:38.836
EGOI_101222KSEP9825.E2	22-DEC-2010	20:18:34.949
EGOI_101222KSEP9853.E2	22-DEC-2010	21:59:58.077
EGOI_101222KSEP9876.E2	22-DEC-2010	23:43:51.220
EGOI_101222MAEP1082.E2	22-DEC-2010	08:54:56.210
EGOI_101222MAEP1094.E2	22-DEC-2010	10:34:46.326
EGOI_101222MAEP1112.E2	22-DEC-2010	20:11:52.904
EGOI_101222MIEP8531.E2	22-DEC-2010	01:47:17.558
EGOI_101222MIEP8555.E2	22-DEC-2010	03:21:33.138
EGOI_101222MIEP8577.E2	22-DEC-2010	05:04:05.272
EGOI_101222MIEP8597.E2	22-DEC-2010	15:41:49.729
EGOI_101222MIEP8622.E2	22-DEC-2010	17:22:24.858
EGOI_101222MSEP0858.E2	22-DEC-2010	00:00:33.395
EGOI_101222MSEP0883.E2	22-DEC-2010	10:41:19.371
EGOI_101222MSEP0911.E2	22-DEC-2010	12:19:58.984
EGOI_101222MSEP0940.E2	22-DEC-2010	21:51:11.522
EGOI_101222MSEP0971.E2	22-DEC-2010	23:28:43.630
EGOI_101222SGEP0323.E2	22-DEC-2010	15:01:02.983
EGOI_101222SGEP0329.E2	22-DEC-2010	16:40:20.096

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1.3 - List of data gaps

Station	Orbit	Date	Start Time	Stop Time	Duration (s)
KS	81938	22-DEC-2010	07:05:36.099	07:07:39.047	122.94800
KS	81939	22-DEC-2010	08:45:04.032	08:47:38.164	154.13200
KS	81940	22-DEC-2010	10:24:41.540	10:27:17.784	156.24400
KS	81941	22-DEC-2010	12:04:08.030	12:06:43.900	155.87000
KS	81942	22-DEC-2010	13:43:05.164	13:45:43.011	157.84700
KS	81943	22-DEC-2010	15:21:17.211	15:24:13.624	176.41300
KS	81944	22-DEC-2010	16:58:59.510	17:01:39.733	160.22300
KS	81945	22-DEC-2010	18:37:05.779	18:39:38.836	153.05700
KS	81946	22-DEC-2010	20:16:29.418	20:18:34.949	125.53100
KS	81947	22-DEC-2010	21:57:50.195	21:59:58.076	127.88100
KS	81948	22-DEC-2010	23:42:00.776	23:43:51.219	110.44300
GS	81935	22-DEC-2010	01:45:35.226	01:47:37.061	121.83500
GS	81936	22-DEC-2010	03:24:10.993	03:26:09.172	118.17900

MS	81934	21-DEC-2010	23:58:14.332	00:00:33.394	139.06200
MS	81940	22-DEC-2010	10:38:37.295	10:41:19.371	162.07600
MS	81941	22-DEC-2010	12:17:16.660	12:19:58.984	162.32400
MS	81947	22-DEC-2010	21:49:11.634	21:51:11.522	119.88800
MS	81948	22-DEC-2010	23:26:20.993	23:28:43.629	142.63600
MA	81940	22-DEC-2010	10:32:42.188	10:34:46.325	124.13700
MA	81946	22-DEC-2010	20:09:12.498	20:11:52.903	160.40500
MI	81935	22-DEC-2010	01:45:14.921	01:47:17.558	122.63700
MI	81936	22-DEC-2010	03:19:06.986	03:21:33.137	146.15100
MI	81937	22-DEC-2010	05:01:47.050	05:04:05.271	138.22100
MI	81943	22-DEC-2010	15:39:19.717	15:41:49.728	150.01100
MI	81944	22-DEC-2010	17:20:00.269	17:22:24.857	144.58800
SG	81942	22-DEC-2010	14:56:46.183	15:01:02.982	256.79900
SG	81943	22-DEC-2010	16:37:24.529	16:40:20.096	175.56700
CM	81936	22-DEC-2010	03:18:57.507	03:20:27.134	89.627000
CM	81943	22-DEC-2010	15:42:41.747	15:44:19.744	97.997000
CM	81944	22-DEC-2010	17:22:10.176	17:23:36.865	86.689000

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1.4 - List of missing products

Station	Orbit	Date	Start Time	Stop Time	Duration (s)
HO	81934	22-DEC-2010	00:52:26.336	01:06:12.445	826.10900
MM	81934	22-DEC-2010	01:04:16.753	01:14:42.121	625.36800
KS	81934	22-DEC-2010	00:15:56.865	00:19:32.905	216.04000
BE	81935	22-DEC-2010	02:10:57.739	02:23:19.358	741.61900
MM	81935	22-DEC-2010	02:46:56.909	02:55:07.406	490.49700
SG	81935	22-DEC-2010	02:23:20.997	02:34:05.790	644.79300
BE	81936	22-DEC-2010	03:50:14.235	04:02:46.706	752.47100
MM	81936	22-DEC-2010	04:30:01.744	04:36:08.076	366.33200
SG	81936	22-DEC-2010	04:01:15.269	04:14:24.141	788.87200
MM	81937	22-DEC-2010	06:12:14.187	06:18:23.997	369.81000
MM	81938	22-DEC-2010	07:53:12.607	08:01:29.164	496.55700
JO	81938	22-DEC-2010	07:30:53.768	07:44:57.939	844.17100
MM	81939	22-DEC-2010	09:33:36.711	09:44:06.964	630.25300
JO	81939	22-DEC-2010	09:10:26.655	09:23:57.946	811.29100
HO	81940	22-DEC-2010	11:24:03.950	11:35:02.762	658.81200

MM	81940	22-DEC-2010	11:13:44.459	11:25:43.839	719.38000
HO	81941	22-DEC-2010	13:02:13.509	13:17:02.598	889.08900
MM	81941	22-DEC-2010	12:53:38.763	13:06:17.464	758.70100
HO	81942	22-DEC-2010	14:42:36.690	14:53:07.056	630.36600
MM	81942	22-DEC-2010	14:33:18.263	14:46:00.881	762.61800
GS	81942	22-DEC-2010	13:56:17.565	14:03:15.777	418.21200
SG	81942	22-DEC-2010	14:56:46.183	15:10:05.589	799.40600
BE	81943	22-DEC-2010	15:07:33.918	15:19:31.356	717.43800
MM	81943	22-DEC-2010	16:12:41.434	16:25:15.412	753.97800
GS	81943	22-DEC-2010	15:33:22.885	15:47:08.694	825.80900
MM	81944	22-DEC-2010	17:51:51.583	18:04:24.007	752.42400
GS	81944	22-DEC-2010	17:13:10.801	17:25:24.602	733.80100
MM	81945	22-DEC-2010	19:31:02.105	19:43:42.736	760.63100
JO	81945	22-DEC-2010	19:50:58.881	20:04:27.262	808.38100
MM	81946	22-DEC-2010	21:10:35.218	21:23:17.656	762.43800
JO	81946	22-DEC-2010	21:29:56.937	21:44:03.157	846.22000
HO	81947	22-DEC-2010	22:42:32.186	22:55:26.471	774.28500
MM	81947	22-DEC-2010	22:50:53.474	23:03:08.146	734.67200
MA	81947	22-DEC-2010	21:49:57.484	22:01:35.405	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

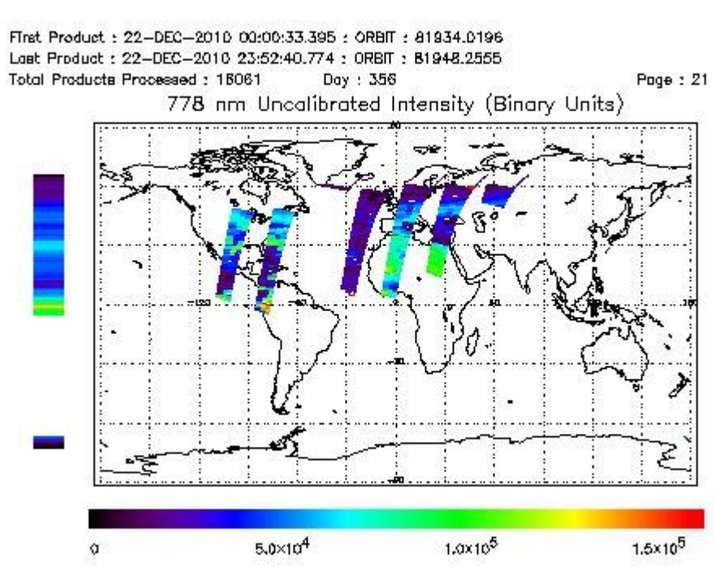
Indicator	Value
MPH Product Confidence	OK
SPH Product Confidence	OK
Command Word Echo Summary	OK
Instrument Status 1A	OK
Instrument Status 1B	OK
Instrument Status 2	OK
Integration Times Channel 1	OK
Co-Adding and Cluster Mode Flags	OK
Integration Times Band 2A	OK
Integration Times Band 2B	OK
Integration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

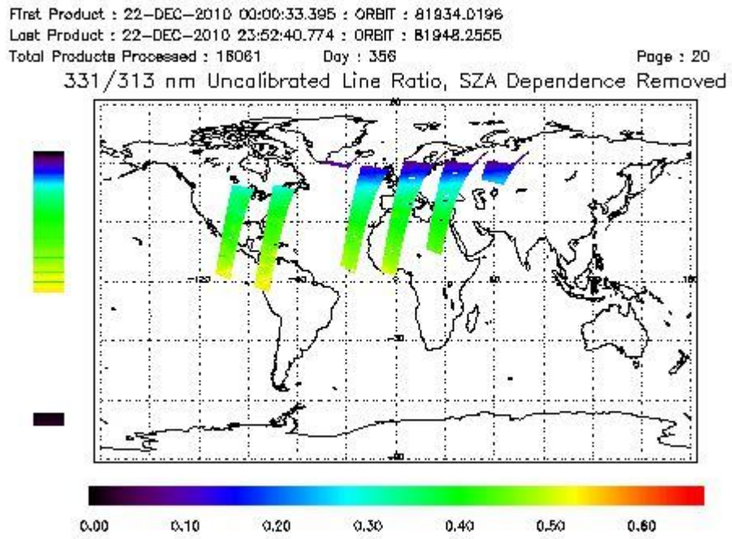
2.2 - Daily Plots

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

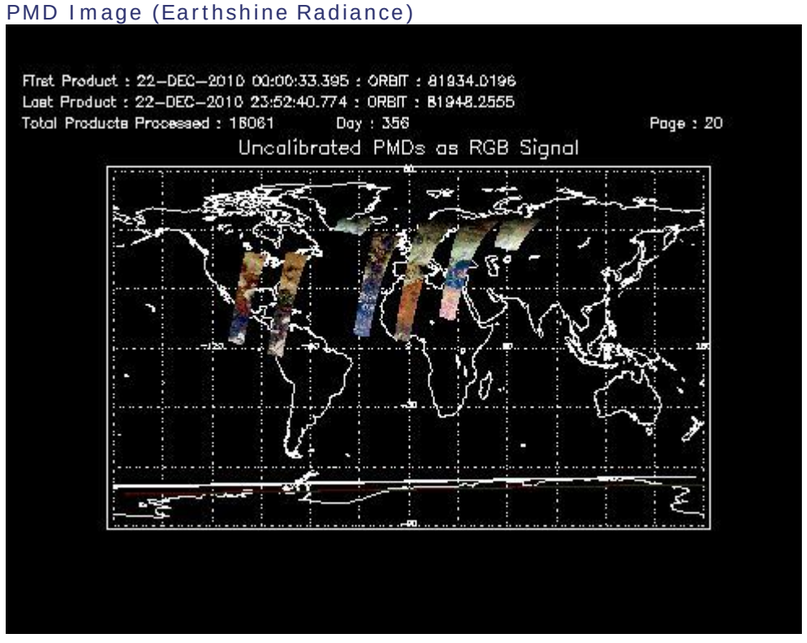
NEAR IR Intensity



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	12:13:33.442	--	81941	Yes	--	15815

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