GOME Daily Report

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1 - General Info

1.1 - Report Summary

Item	Value
Report Version	GOMEver3_3
Report of Day	18-NOV-2010
Start Time of First Product	01:57:51
Stop Time of Last Product	23:21:24
Number of EGOI Products analysed	24
Number of corrupted products	--
Anomalies and/or Special Operations	Nominal Data

1.2 - List of received products

Name	Date	Time
EGOI_101118CMEP1816.E2	18-NOV-2010	02:50:44.933
EGOI_101118CMEP1825.E2	18-NOV-2010	04:30:21.548
EGOI_101118CMEP1834.E2	18-NOV-2010	15:14:12.033
EGOI_101118CMEP1842.E2	18-NOV-2010	16:52:17.144
EGOI_101118KSEP1001.E2	18-NOV-2010	13:14:32.291
EGOI_101118KSEP1012.E2	18-NOV-2010	14:53:17.907
EGOI_101118KSEP1039.E2	18-NOV-2010	16:30:56.010
EGOI_101118KSEP1067.E2	18-NOV-2010	18:08:55.123
EGOI_101118KSEP1097.E2	18-NOV-2010	19:47:10.726

EGOI_101118KSEP1119.E2	18-NOV-2010	21:27:44.350
EGOI_101118KSEP1137.E2	18-NOV-2010	23:10:40.485
EGOI_101118MAEP9835.E2	18-NOV-2010	10:03:19.107
EGOI_101118MAEP9852.E2	18-NOV-2010	21:20:05.303
EGOI_101118MIEP5584.E2	18-NOV-2010	15:11:03.013
EGOI_101118MIEP5613.E2	18-NOV-2010	16:50:09.632
EGOI_101118MSEP6916.E2	18-NOV-2010	10:11:10.159
EGOI_101118MSEP6941.E2	18-NOV-2010	11:48:27.259
EGOI_101118MSEP6963.E2	18-NOV-2010	13:30:15.894
EGOI_101118MSEP6978.E2	18-NOV-2010	21:22:09.814
EGOI_101118MSEP7010.E2	18-NOV-2010	22:57:08.903
EGOI_101118SGEP9492.E2	18-NOV-2010	01:57:50.606
EGOI_101118SGEP9498.E2	18-NOV-2010	03:41:39.246
EGOI_101118SGEP9504.E2	18-NOV-2010	14:29:05.755
EGOI_101118SGEP9509.E2	18-NOV-2010	16:07:51.366

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1.3 - List of data gaps

Station	Orbit	Date	Start Time	Stop Time	Duration (s)
KS	81455	18-NOV-2010	13:12:03.587	13:14:32.290	148.70300
KS	81456	18-NOV-2010	14:50:43.085	14:53:17.906	154.82100
KS	81457	18-NOV-2010	16:28:22.199	16:30:56.010	153.81100
KS	81458	18-NOV-2010	18:06:09.647	18:08:55.122	165.47500
KS	81459	18-NOV-2010	19:45:04.253	19:47:10.726	126.47300
KS	81460	18-NOV-2010	21:25:44.117	21:27:44.350	120.23300
KS	81461	18-NOV-2010	23:08:51.588	23:10:40.484	108.89600
MS	81453	18-NOV-2010	10:08:38.765	10:11:10.158	151.39300
MS	81454	18-NOV-2010	11:45:49.138	11:48:27.259	158.12100
MS	81455	18-NOV-2010	13:27:40.107	13:30:15.894	155.78700
MS	81461	18-NOV-2010	22:55:06.207	22:57:08.902	122.69500
MA	81453	18-NOV-2010	10:01:25.954	10:03:19.107	113.15300
MA	81460	18-NOV-2010	21:17:25.251	21:20:05.302	160.05100
MI	81456	18-NOV-2010	15:08:40.690	15:11:03.013	142.32300
MI	81457	18-NOV-2010	16:47:48.008	16:50:09.632	141.62400
SG	81449	18-NOV-2010	03:29:44.375	03:41:39.246	714.87100
SG	81455	18-NOV-2010	14:26:40.287	14:29:05.755	145.46800
SG	81456	18-NOV-2010	16:04:56.855	16:07:51.366	174.51100
CM	81449	18-NOV-2010	02:49:38.512	02:50:44.932	66.420000
CM	81456	18-NOV-2010	15:13:06.926	15:14:12.032	65.106000

CM	81457	18-NOV-2010	16:50:15.382	16:52:17.144	121.76200

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1.4 - List of missing products

Station	Orbit	Date	Start Time	Stop Time	Duration (s)
HO	81447	18-NOV-2010	00:20:34.117	00:35:12.187	878.07000
MM	81447	18-NOV-2010	00:32:12.609	00:43:12.275	659.66600
HO	81448	18-NOV-2010	02:04:47.918	02:12:07.012	439.09400
MM	81448	18-NOV-2010	02:14:35.581	02:23:31.307	535.72600
GS	81448	18-NOV-2010	01:15:32.133	01:26:28.268	656.13500
BE	81449	18-NOV-2010	03:18:46.593	03:32:04.958	798.36500
MM	81449	18-NOV-2010	03:57:39.547	04:04:17.113	397.56600
MI	81449	18-NOV-2010	02:48:26.577	03:00:56.226	749.64900
GS	81449	18-NOV-2010	02:52:43.378	03:06:39.488	836.11000
MM	81450	18-NOV-2010	05:40:16.328	05:46:06.540	350.21200
MI	81450	18-NOV-2010	04:28:21.465	04:39:38.980	677.51500
GS	81450	18-NOV-2010	04:34:45.471	04:44:51.876	606.40500
MM	81451	18-NOV-2010	07:21:33.828	07:29:05.277	451.44900
KS	81451	18-NOV-2010	06:34:30.566	06:42:38.346	487.78000
JO	81451	18-NOV-2010	07:00:55.358	07:13:02.433	727.07500
MM	81452	18-NOV-2010	09:02:05.576	09:11:57.476	591.90000
KS	81452	18-NOV-2010	08:13:45.941	08:26:18.667	752.72600
MA	81452	18-NOV-2010	08:22:51.462	08:34:14.390	682.92800
JO	81452	18-NOV-2010	08:38:30.066	08:53:16.636	886.57000
MM	81453	18-NOV-2010	10:42:17.747	10:53:54.784	697.03700
KS	81453	18-NOV-2010	09:53:23.292	10:07:20.523	837.23100
MM	81454	18-NOV-2010	12:22:16.343	12:34:47.430	751.08700
KS	81454	18-NOV-2010	11:32:55.075	11:46:30.609	815.53400
MA	81454	18-NOV-2010	11:42:55.033	11:49:28.174	393.14100
BE	81455	18-NOV-2010	12:57:21.426	13:08:49.662	688.23600
MM	81455	18-NOV-2010	14:02:00.712	14:14:44.608	763.89600
SG	81455	18-NOV-2010	14:26:40.287	14:37:56.737	676.45000
BE	81456	18-NOV-2010	14:35:34.171	14:48:41.334	787.16300
MM	81456	18-NOV-2010	15:41:29.021	15:54:05.654	756.63300
GS	81456	18-NOV-2010	15:02:22.590	15:15:18.994	776.40400
MM	81457	18-NOV-2010	17:20:42.348	17:33:13.904	751.55600

GS	81457	18-NOV-2010	16:41:39.061	16:54:59.869	800.80800
MM	81458	18-NOV-2010	18:59:50.656	19:12:28.356	757.70000
GS	81458	18-NOV-2010	18:22:50.798	18:29:51.195	420.39700
JO	81458	18-NOV-2010	19:20:59.702	19:31:36.533	636.83100
MM	81459	18-NOV-2010	20:39:14.059	20:51:58.045	763.98600
MA	81459	18-NOV-2010	19:38:48.828	19:50:55.074	726.24600
JO	81459	18-NOV-2010	20:58:26.593	21:13:23.465	896.87200
HO	81460	18-NOV-2010	22:12:38.584	22:23:50.150	671.56600
MM	81460	18-NOV-2010	22:19:16.023	22:31:43.886	747.86300
JO	81460	18-NOV-2010	22:40:35.777	22:48:04.252	448.47500
HO	81461	18-NOV-2010	23:49:30.006	00:03:57.671	867.66500

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1.5 - List of corrupted products

Station	Orbit	Time

2 - Instrument Indicators and Daily Plots

2.1 - Instrument Indicators Status

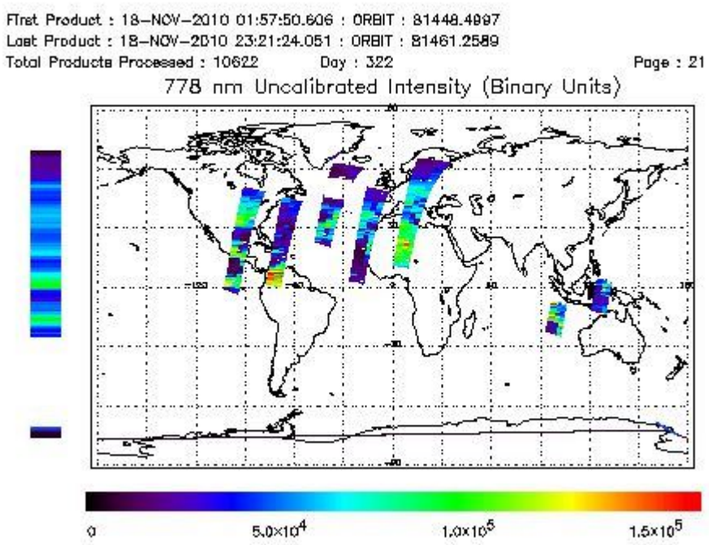
Indicator	Value
MPH Product Confidence	OK
SPH Product Confidence	OK
Command Word Echo Summary	OK
Instrument Status 1A	OK
Instrument Status 1B	OK
Instrument Status 2	OK
Integration Times Channel 1	OK
Co-Adding and Cluster Mode Flags	OK
Integration Times Band 2A	OK
Integration Times Band 2B	OK
Integration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

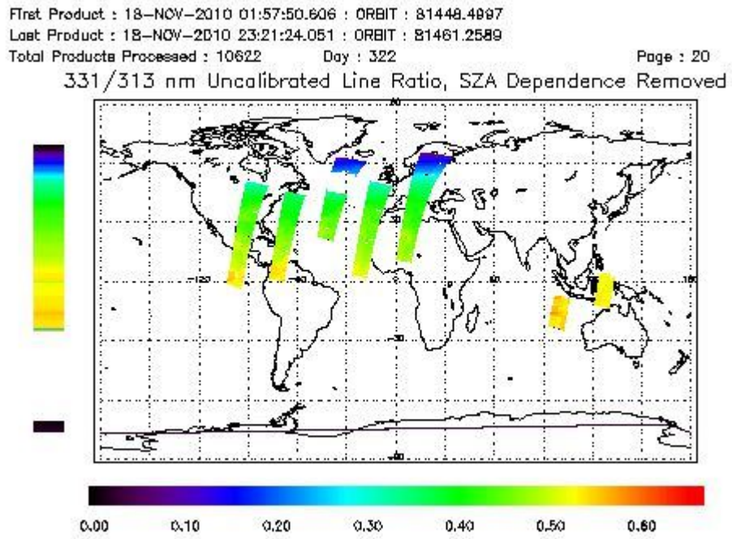
2.2 - Daily Plots

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

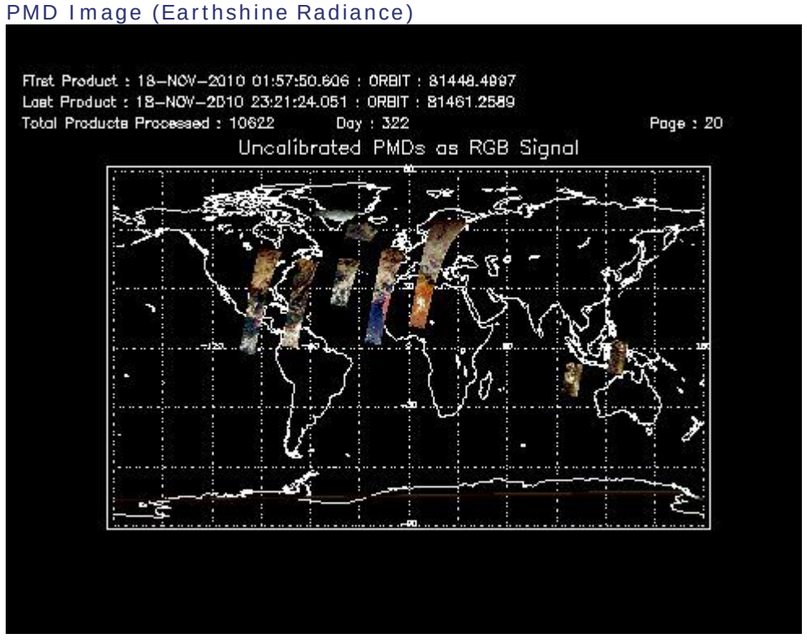
NEAR IR Intensity



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	13:21:11.338	--	81455	Yes	--	15638

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