GOME Daily Report

INDEX

1 - General Info

1.1 - Report Summary

Item	Value
Report Version	GOMEver3_3
Report of Day	06-NOV-2009
Start Time of First Product	00:18:13
Stop Time of Last Product	22:30:16
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_091106BEEP1117.E2	06-NOV-2009	02:30:20.262
EGOI_091106BEEP1123.E2	06-NOV-2009	04:09:55.373
EGOI_091106GSEP2424.E2	06-NOV-2009	02:04:00.601
EGOI_091106GSEP2455.E2	06-NOV-2009	03:43:25.216
EGOI_091106GSEP2464.E2	06-NOV-2009	05:26:13.843
EGOI_091106KSEP6111.E2	06-NOV-2009	07:24:38.573
EGOI_091106KSEP6134.E2	06-NOV-2009	09:04:39.192
EGOI_091106KSEP6159.E2	06-NOV-2009	10:44:18.798
EGOI_091106KSEP6187.E2	06-NOV-2009	12:23:40.410

EGOI_091106KSEP6203.E2	06-NOV-2009	14:02:39.517
EGOI_091106KSEP6231.E2	06-NOV-2009	15:40:44.629
EGOI_091106KSEP6263.E2	06-NOV-2009	17:18:28.725
EGOI_091106KSEP6299.E2	06-NOV-2009	18:56:20.330
EGOI_091106KSEP6334.E2	06-NOV-2009	20:35:43.441
EGOI_091106KSEP6365.E2	06-NOV-2009	22:17:29.069
EGOI_091106MAEP5673.E2	06-NOV-2009	09:12:00.235
EGOI_091106MAEP5682.E2	06-NOV-2009	10:51:51.845
EGOI_091106MIEP3619.E2	06-NOV-2009	02:02:23.094
EGOI_091106MIEP3646.E2	06-NOV-2009	03:39:07.189
EGOI_091106MIEP3662.E2	06-NOV-2009	05:23:42.327
EGOI_091106MIEP3679.E2	06-NOV-2009	14:23:09.648
EGOI_091106MIEP3687.E2	06-NOV-2009	15:58:38.731
EGOI_091106MIEP3700.E2	06-NOV-2009	17:44:30.386
EGOI_091106MMEP0579.E2	06-NOV-2009	08:11:38.859
EGOI_091106MMEP0587.E2	06-NOV-2009	09:52:15.478
EGOI_091106MSEP3167.E2	06-NOV-2009	00:18:13.454
EGOI_091106MSEP3189.E2	06-NOV-2009	10:57:35.381
EGOI_091106MSEP3217.E2	06-NOV-2009	12:37:01.493
EGOI_091106MSEP3248.E2	06-NOV-2009	22:07:08.006
EGOI_091106SGEP1039.E2	06-NOV-2009	02:42:12.836
EGOI_091106SGEP1047.E2	06-NOV-2009	04:21:10.447
EGOI_091106SGEP1055.E2	06-NOV-2009	15:16:03.973
EGOI_091106SGEP1063.E2	06-NOV-2009	16:58:24.108

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1.3 - List of data gaps

Station	Orbit	Date	Start Time	Stop Time	Duration (s)
KS	76055	06-NOV-2009	07:22:36.880	07:24:38.572	121.69200
KS	76056	06-NOV-2009	09:02:08.792	09:04:39.191	150.39900
KS	76057	06-NOV-2009	10:41:45.615	10:44:18.798	153.18300
KS	76058	06-NOV-2009	12:21:08.467	12:23:40.409	151.94200
KS	76059	06-NOV-2009	14:00:02.226	14:02:39.516	157.29000
KS	76060	06-NOV-2009	15:38:03.114	15:40:44.628	161.51400
KS	76061	06-NOV-2009	17:15:52.303	17:18:28.725	156.42200
KS	76062	06-NOV-2009	18:54:01.404	18:56:20.329	138.92500
KS	76063	06-NOV-2009	20:33:42.476	20:35:43.440	120.96400
KS	76064	06-NOV-2009	22:15:27.381	22:17:29.068	121.68700
GS	76052	06-NOV-2009	02:02:10.722	02:04:00.601	109.87900
GS	76053	06-NOV-2009	03:41:32.708	03:43:25.215	112.50700
MS	76051	06-NOV-2009	00:15:58.650	00:18:13.454	134.80400

MS	76057	06-NOV-2009	10:55:03.359	10:57:35.380	152.02100
MS	76058	06-NOV-2009	12:34:29.073	12:37:01.493	152.42000
MS	76064	06-NOV-2009	22:05:19.134	22:07:08.005	108.87100
MS	76065	06-NOV-2009	23:43:39.329	23:45:58.113	138.78400
MA	76057	06-NOV-2009	10:49:55.176	10:51:51.844	116.66800
MI	76052	06-NOV-2009	02:00:06.474	02:02:23.094	136.62000
MI	76053	06-NOV-2009	03:36:07.041	03:39:07.189	180.14800
MI	76059	06-NOV-2009	14:21:14.637	14:23:09.648	115.01100
MI	76060	06-NOV-2009	15:56:15.540	15:58:38.731	143.19100
MI	76061	06-NOV-2009	17:38:02.794	17:44:30.385	387.59100
MM	76055	06-NOV-2009	08:10:26.929	08:11:38.858	71.929000
MM	76056	06-NOV-2009	09:50:47.584	09:52:15.477	87.893000
BE	76052	06-NOV-2009	02:27:47.389	02:30:20.262	152.87300
BE	76053	06-NOV-2009	04:07:29.939	04:09:55.373	145.43400
SG	76052	06-NOV-2009	02:39:33.718	02:42:12.836	159.11800
SG	76052	06-NOV-2009	02:49:00.875	02:51:50.758	169.88300
SG	76053	06-NOV-2009	04:18:44.345	04:21:10.447	146.10200
SG	76059	06-NOV-2009	15:13:31.604	15:16:03.973	152.36900
SG	76060	06-NOV-2009	16:55:47.668	16:58:24.107	156.43900

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1.4 - List of missing products

Station	Orbit	Date	Start Time	Stop Time	Duration (s)
JO	76056	06-NOV-2009	09:28:12.123	09:40:27.174	735.05100
MM	76057	06-NOV-2009	11:30:53.020	11:43:02.445	729.42500
MM	76058	06-NOV-2009	13:10:44.926	13:23:26.237	761.31100
HO	76059	06-NOV-2009	15:00:05.205	15:09:12.158	546.95300
MM	76059	06-NOV-2009	14:50:21.690	15:03:03.046	761.35600
GS	76059	06-NOV-2009	14:12:25.204	14:21:48.930	563.72600
BE	76060	06-NOV-2009	15:25:19.499	15:36:09.118	649.61900
MM	76060	06-NOV-2009	16:29:42.147	16:42:15.011	752.86400
GS	76060	06-NOV-2009	15:50:22.743	16:04:18.104	835.36100
CM	76060	06-NOV-2009	15:59:18.440	16:11:14.283	715.84300
MM	76061	06-NOV-2009	18:08:51.112	18:21:24.502	753.39000
GS	76061	06-NOV-2009	17:30:27.135	17:41:48.041	680.90600
CM	76061	06-NOV-2009	17:39:57.494	17:48:29.081	511.58700

MM	76062	06-NOV-2009	19:48:03.790	20:00:45.816	762.02600
MA	76062	06-NOV-2009	18:53:07.926	18:57:26.264	258.33800
JO	76062	06-NOV-2009	20:07:39.147	20:21:58.384	859.23700
MM	76063	06-NOV-2009	21:27:43.162	21:40:23.553	760.39100
MA	76063	06-NOV-2009	20:25:59.226	20:39:45.062	825.83600
JO	76063	06-NOV-2009	21:47:17.714	22:00:30.487	792.77300
HO	76064	06-NOV-2009	22:59:14.270	23:12:37.771	803.50100
MM	76064	06-NOV-2009	23:08:11.002	23:20:16.491	725.48900
MA	76064	06-NOV-2009	22:08:21.726	22:18:10.475	588.74900
MS	76065	06-NOV-2009	23:43:39.329	23:56:31.951	772.62200

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1.5 - List of corrupted products

Station	Orbit	Time

2 - Instrument Indicators and Daily Plots

2.1 - Instrument Indicators Status

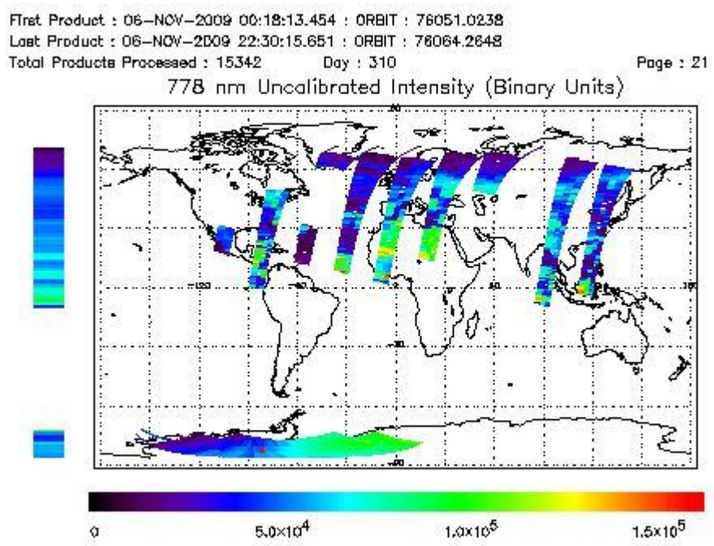
Indicator	Value
MPH Product Confidence	OK
SPH Product Confidence	OK
Command Word Echo Summary	OK
Instrument Status 1A	OK
Instrument Status 1B	OK
Instrument Status 2	OK
Integration Times Channel 1	OK
Co-Adding and Cluster Mode Flags	OK
Integration Times Band 2A	OK
Integration Times Band 2B	OK
Integration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

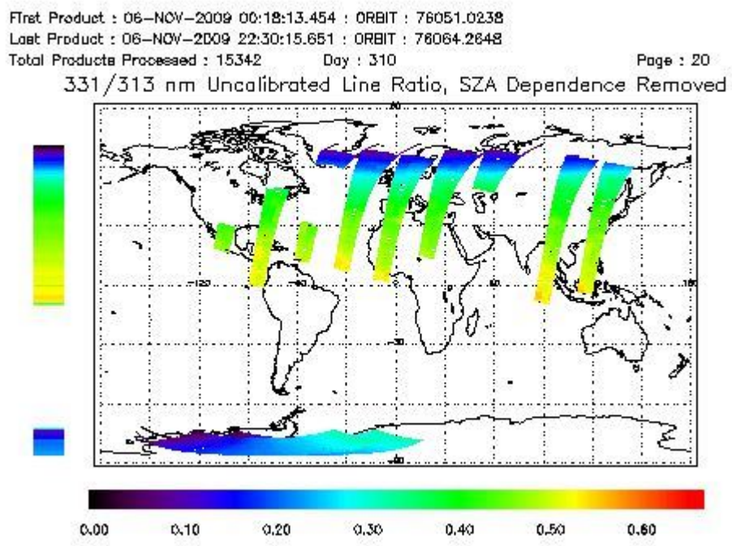
2.2 - Daily Plots

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

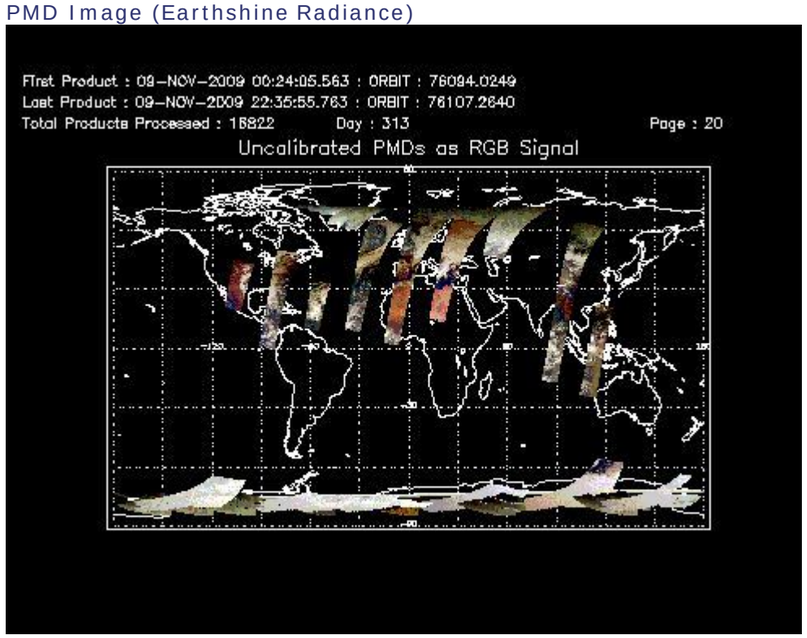
NEAR IR Intensity



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	10:48:00.820	--	76057	Yes	--	15536

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