GOME Daily Report

INDEX

1 - General Info

1.1 - Report Summary

Item	Value
Report Version	GOMEver3_3
Report of Day	07-NOV-2009
Start Time of First Product	23:45:59 (06-Nov)
Stop Time of Last Product	23:38:28
Number of EGOI Products analysed	38
Number of corrupted products	--
Anomalies and/or Special Operations	Nominal Data

1.2 - List of received products

Name	Date	Time
EGOI_091107BEEP1129.E2	07-NOV-2009	01:59:43.937
EGOI_091107GSEP2493.E2	07-NOV-2009	01:33:51.276
EGOI_091107GSEP2522.E2	07-NOV-2009	03:11:48.879
EGOI_091107GSEP2532.E2	07-NOV-2009	04:54:42.011
EGOI_091107KSEP6383.E2	07-NOV-2009	06:53:21.740
EGOI_091107KSEP6406.E2	07-NOV-2009	08:33:20.859
EGOI_091107KSEP6432.E2	07-NOV-2009	10:13:03.466
EGOI_091107KSEP6459.E2	07-NOV-2009	11:52:32.577
EGOI_091107KSEP6480.E2	07-NOV-2009	13:31:30.189

EGOI_091107KSEP6508.E2	07-NOV-2009	15:10:11.297
EGOI_091107KSEP6528.E2	07-NOV-2009	16:47:41.900
EGOI_091107KSEP6548.E2	07-NOV-2009	18:25:36.501
EGOI_091107KSEP6580.E2	07-NOV-2009	20:04:19.108
EGOI_091107KSEP6612.E2	07-NOV-2009	21:45:19.727
EGOI_091107KSEP6631.E2	07-NOV-2009	23:28:38.367
EGOI_091107MAEP5695.E2	07-NOV-2009	08:41:23.906
EGOI_091107MAEP5706.E2	07-NOV-2009	10:20:23.017
EGOI_091107MAEP5727.E2	07-NOV-2009	19:57:58.069
EGOI_091107MIEP3723.E2	07-NOV-2009	03:07:30.852
EGOI_091107MIEP3748.E2	07-NOV-2009	04:48:38.975
EGOI_091107MIEP3758.E2	07-NOV-2009	15:27:42.903
EGOI_091107MIEP3781.E2	07-NOV-2009	17:07:42.022
EGOI_091107MMEP0604.E2	07-NOV-2009	00:51:07.513
EGOI_091107MMEP0609.E2	07-NOV-2009	02:33:24.640
EGOI_091107MMEP0621.E2	07-NOV-2009	11:00:59.264
EGOI_091107MMEP0628.E2	07-NOV-2009	12:40:53.875
EGOI_091107MMEP0637.E2	07-NOV-2009	14:20:34.991
EGOI_091107MMEP0643.E2	07-NOV-2009	16:00:07.103
EGOI_091107MSEP3278.E2	06-NOV-2009	23:45:58.114
EGOI_091107MSEP3297.E2	07-NOV-2009	10:27:32.060
EGOI_091107MSEP3326.E2	07-NOV-2009	12:05:25.160
EGOI_091107MSEP3335.E2	07-NOV-2009	13:48:21.292
EGOI_091107MSEP3359.E2	07-NOV-2009	21:37:52.680
EGOI_091107MSEP3391.E2	07-NOV-2009	23:14:23.277
EGOI_091107SGEP1071.E2	07-NOV-2009	02:12:23.011
EGOI_091107SGEP1078.E2	07-NOV-2009	03:48:58.110
EGOI_091107SGEP1086.E2	07-NOV-2009	14:47:24.656
EGOI_091107SGEP1093.E2	07-NOV-2009	16:25:26.759

[BACK TO MENU]

1.3 - List of data gaps

Station	Orbit	Date	Start Time	Stop Time	Duration (s)
KS	76069	07-NOV-2009	06:51:26.928	06:53:21.740	114.81200
KS	76070	07-NOV-2009	08:30:50.216	08:33:20.859	150.64300
KS	76071	07-NOV-2009	10:10:27.893	10:13:03.465	155.57200
KS	76072	07-NOV-2009	11:49:57.005	11:52:32.576	155.57100
KS	76073	07-NOV-2009	13:28:59.552	13:31:30.188	150.63600
KS	76074	07-NOV-2009	15:07:26.938	15:10:11.296	164.35800
KS	76075	07-NOV-2009	16:45:03.689	16:47:41.899	158.21000
KS	76076	07-NOV-2009	18:23:01.201	18:25:36.501	155.30000
KS	76077	07-NOV-2009	20:02:11.160	20:04:19.107	127.94700

KS	76078	07-NOV-2009	21:43:12.839	21:45:19.726	126.88700
KS	76079	07-NOV-2009	23:26:52.885	23:28:38.366	105.48100
GS	76066	07-NOV-2009	01:31:51.917	01:33:51.275	119.35800
GS	76067	07-NOV-2009	03:09:49.597	03:11:48.878	119.28100
MS	76071	07-NOV-2009	10:24:53.841	10:27:32.060	158.21900
MS	76072	07-NOV-2009	12:02:55.691	12:05:25.159	149.46800
MS	76079	07-NOV-2009	23:12:04.367	23:14:23.276	138.90900
MA	76070	07-NOV-2009	08:39:42.577	08:41:23.906	101.32900
MA	76071	07-NOV-2009	10:18:32.229	10:20:23.017	110.78800
MA	76077	07-NOV-2009	19:55:19.906	19:57:58.069	158.16300
MI	76067	07-NOV-2009	03:05:05.523	03:07:30.852	145.32900
MI	76068	07-NOV-2009	04:46:21.033	04:48:38.974	137.94100
MI	76074	07-NOV-2009	15:25:19.555	15:27:42.903	143.34800
MI	76075	07-NOV-2009	17:05:16.312	17:07:42.022	145.71000
MM	76065	07-NOV-2009	00:49:41.350	00:51:07.513	86.163000
MM	76066	07-NOV-2009	02:32:14.023	02:33:24.640	70.617000
MM	76071	07-NOV-2009	10:59:27.022	11:00:59.263	92.241000
MM	76072	07-NOV-2009	12:39:23.295	12:40:53.875	90.580000
MM	76073	07-NOV-2009	14:19:05.029	14:20:34.991	89.962000
MM	76074	07-NOV-2009	15:58:30.521	16:00:07.103	96.582000
BE	76066	07-NOV-2009	01:57:01.877	01:59:43.936	162.05900
SG	76066	07-NOV-2009	02:10:11.598	02:12:23.011	131.41300
SG	76067	07-NOV-2009	03:46:51.040	03:48:58.109	127.06900
SG	76073	07-NOV-2009	14:42:58.399	14:47:24.655	266.25600
SG	76074	07-NOV-2009	16:22:31.133	16:25:26.759	175.62600

[BACK TO MENU]

1.4 - List of missing products

Station	Orbit	Date	Start Time	Stop Time	Duration (s)
HO	76065	07-NOV-2009	00:37:54.298	00:52:11.172	856.87400
KS	76065	07-NOV-2009	00:00:21.744	00:05:49.728	327.98400
BE	76067	07-NOV-2009	03:35:54.539	03:48:53.336	778.79700
MM	76067	07-NOV-2009	04:15:19.450	04:21:38.554	379.10400
CM	76067	07-NOV-2009	03:05:26.843	03:15:13.887	587.04400
CM	76067	07-NOV-2009	04:43:40.977	04:55:06.366	685.38900
MM	76068	07-NOV-2009	05:57:43.494	06:03:42.496	359.00200

MM	76069	07-NOV-2009	07:38:49.969	07:46:45.864	475.89500
JO	76069	07-NOV-2009	07:17:10.583	07:30:30.875	800.29200
MM	76070	07-NOV-2009	09:19:17.304	09:29:30.672	613.36800
JO	76070	07-NOV-2009	08:55:50.337	09:10:04.659	854.32200
HO	76073	07-NOV-2009	14:28:08.984	14:40:10.300	721.31600
BE	76074	07-NOV-2009	14:52:56.538	15:05:33.145	756.60700
GS	76074	07-NOV-2009	15:19:15.589	15:32:44.461	808.87200
CM	76074	07-NOV-2009	15:29:03.735	15:38:56.438	592.70300
MM	76075	07-NOV-2009	17:37:41.971	17:50:13.844	751.87300
GS	76075	07-NOV-2009	16:58:49.727	17:11:38.513	768.78600
CM	76075	07-NOV-2009	17:07:34.581	17:18:53.431	678.85000
MM	76076	07-NOV-2009	19:16:51.211	19:29:30.541	759.33000
JO	76076	07-NOV-2009	19:37:14.049	19:49:39.948	745.89900
MM	76077	07-NOV-2009	20:56:19.623	21:09:03.091	763.46800
JO	76077	07-NOV-2009	21:15:35.059	21:30:11.365	876.30600
HO	76078	07-NOV-2009	22:28:52.387	22:41:06.922	734.53500
MM	76078	07-NOV-2009	22:36:30.259	22:48:51.493	741.23400
MA	76078	07-NOV-2009	21:34:46.501	21:47:38.589	772.08800

[BACK TO MENU]

1.5 - List of corrupted products

Station	Orbit	Time

---

2 - Instrument Indicators and Daily Plots

2.1 - Instrument Indicators Status

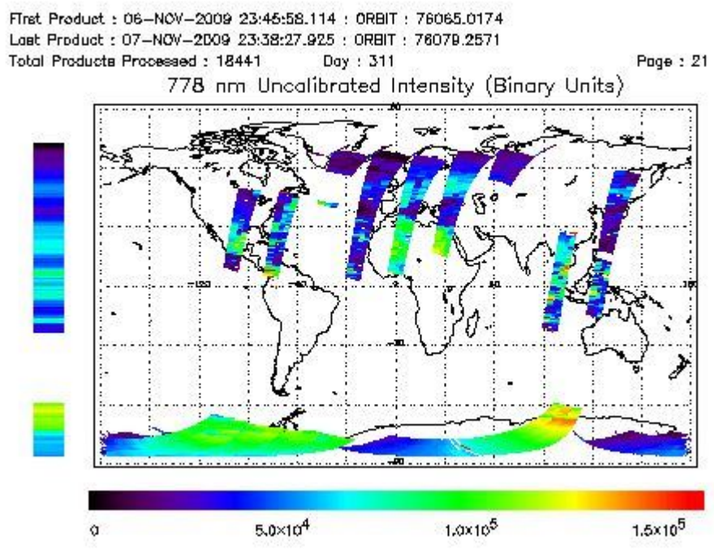
Indicator	Value
MPH Product Confidence	OK
SPH Product Confidence	OK
Command Word Echo Summary	OK
Instrument Status 1A	OK
Instrument Status 1B	OK
Instrument Status 2	OK
Integration Times Channel 1	OK
Co-Adding and Cluster Mode Flags	OK
Integration Times Band 2A	OK
Integration Times Band 2B	OK
Integration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

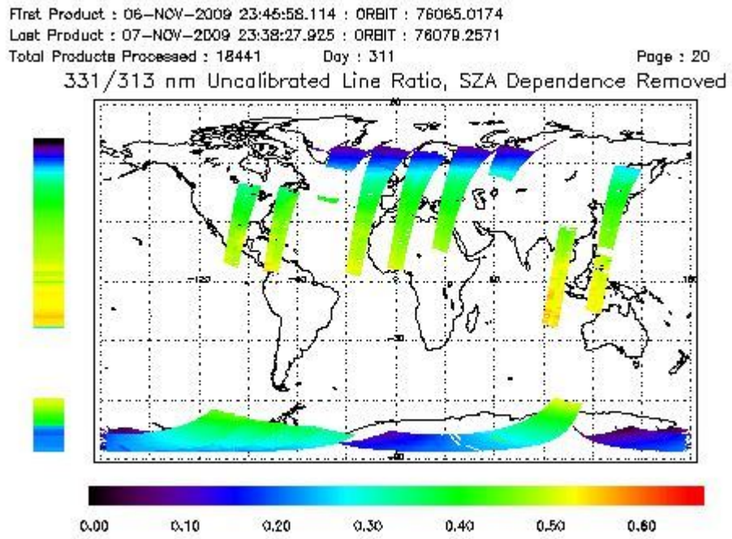
2.2 - Daily Plots

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

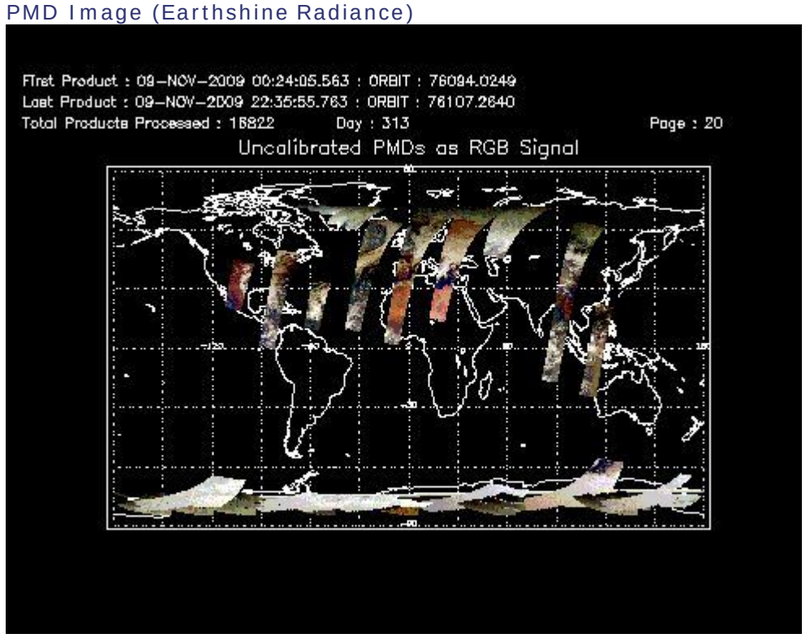
NEAR IR Intensity



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	10:16:27.480	--	76071	Yes	--	15545

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)
--	--	--	--	--	--	--	--

(1)

[BACK TO MENU]

4 - Instrument Anomalies

4.1 - Single Event Upset (SEU)

Start Time	End Time	Start Orbit	End Orbit	Ground Station Visibility
--	--	--	--	--

4.2 - Instrument Off

Start Time	End Time	Start Orbit	End Orbit	MPS Resumption	Ground Station Visibility
--	--	--	--	--	--

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
--	--	--	--	--	--	--	--	--

[BACK TO MENU]

5 - Instrument Operations

Additional Info

5.1 - Timeline Interruptions

Start Time	End Time	Start Orbit	End Orbit	Ground Station Visibility
--	--	--	--	--

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
--	--	--	--

5.6 - **Seasonal Operations**

Start Time	End Time	Start Orbit	End Orbit
--	--	--	--

[BACK TO MENU]

(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