GOME Daily Report

INDEX

1 - General Info

1.1 - Report Summary

Item	Value
Report Version	GOMEver3_3
Report of Day	07MAR-2010
Start Time of First Product	00:14:44
Stop Time of Last Product	23:19:39
Number of EGOI Products analysed	42
Number of corrupted products	--
Anomalies and/or Special Operations	No solar calibration measurements available due to the execution of an ERS-2 orbit manoeuvre; timeline 1 stopped/activated, time interval: 18:56:19-20:36:55, due to an ERS-2 RA anomaly

1.2 - List of received products

Name	Date	Time
EGOI_100307BEEP2076.E2	07-MAR-2010	02:27:04.113
EGOI_100307BEEP2082.E2	07-MAR-2010	04:06:36.224
EGOI_100307GSEP1257.E2	07-MAR-2010	02:01:02.452
EGOI_100307GSEP1288.E2	07-MAR-2010	03:40:09.059
EGOI_100307GSEP1296.E2	07-MAR-2010	05:22:54.691

EGOI_100307KSEP0267.E2	07-MAR-2010	07:21:19.420
EGOI_100307KSEP0290.E2	07-MAR-2010	09:01:18.535
EGOI_100307KSEP0315.E2	07-MAR-2010	10:40:58.142
EGOI_100307KSEP0345.E2	07-MAR-2010	12:20:19.753
EGOI_100307KSEP0357.E2	07-MAR-2010	13:59:18.860
EGOI_100307KSEP0381.E2	07-MAR-2010	15:37:29.963
EGOI_100307KSEP0395.E2	07-MAR-2010	17:15:11.063
EGOI_100307KSEP0424.E2	07-MAR-2010	18:53:05.662
EGOI_100307KSEP0459.E2	07-MAR-2010	20:32:22.773
EGOI_100307KSEP0490.E2	07-MAR-2010	22:14:06.895
EGOI_100307MAEP9608.E2	07-MAR-2010	09:08:33.575
EGOI_100307MAEP9619.E2	07-MAR-2010	10:48:31.189
EGOI_100307MIEP5360.E2	07-MAR-2010	01:59:17.440
EGOI_100307MIEP5389.E2	07-MAR-2010	03:35:10.528
EGOI_100307MIEP5408.E2	07-MAR-2010	05:19:42.670
EGOI_100307MIEP5422.E2	07-MAR-2010	14:20:20.490
EGOI_100307MIEP5431.E2	07-MAR-2010	15:55:18.073
EGOI_100307MIEP5450.E2	07-MAR-2010	17:36:47.196
EGOI_100307MMEP5177.E2	07-MAR-2010	01:19:45.697
EGOI_100307MMEP5185.E2	07-MAR-2010	03:02:14.828
EGOI_100307MMEP5191.E2	07-MAR-2010	04:44:55.959
EGOI_100307MMEP5201.E2	07-MAR-2010	06:27:14.585
EGOI_100307MMEP5209.E2	07-MAR-2010	08:08:15.207
EGOI_100307MMEP5216.E2	07-MAR-2010	09:48:51.821
EGOI_100307MMEP5223.E2	07-MAR-2010	11:28:59.940
EGOI_100307MMEP5234.E2	07-MAR-2010	16:28:04.773
EGOI_100307MMEP5241.E2	07-MAR-2010	18:08:23.388
EGOI_100307MMEP5247.E2	07-MAR-2010	19:46:47.991
EGOI_100307MMEP5254.E2	07-MAR-2010	23:06:29.720
EGOI_100307MSEP7410.E2	07-MAR-2010	00:14:43.801
EGOI_100307MSEP7434.E2	07-MAR-2010	10:54:29.725
EGOI_100307MSEP7462.E2	07-MAR-2010	12:33:48.339
EGOI_100307MSEP7492.E2	07-MAR-2010	22:04:11.340
EGOI_100307SGEP4157.E2	07-MAR-2010	02:38:32.683
EGOI_100307SGEP4166.E2	07-MAR-2010	04:17:36.290
EGOI_100307SGEP4172.E2	07-MAR-2010	15:12:44.815
EGOI_100307SGEP4178.E2	07-MAR-2010	16:54:54.437

[BACK TO MENU]

1.3 - List of data gaps

Station	Orbit	Date	Start Time	Stop Time	Duration (s)
KS	77787	07-MAR-2010	07:19:46.642	07:21:19.420	92.778000
KS	77788	07-MAR-2010	08:59:17.990	09:01:18.535	120.54500
KS	77789	07-MAR-2010	10:38:54.961	10:40:58.142	123.18100

KS	77790	07-MAR-2010	12:18:18.458	12:20:19.753	121.29500
KS	77791	07-MAR-2010	13:57:12.506	13:59:18.860	126.35400
KS	77792	07-MAR-2010	15:35:15.523	15:37:29.963	134.44000
KS	77793	07-MAR-2010	17:13:03.624	17:15:11.063	127.43900
KS	77794	07-MAR-2010	18:51:11.964	18:53:05.661	113.69700
KS	77795	07-MAR-2010	20:30:50.055	20:32:22.773	92.718000
KS	77796	07-MAR-2010	22:12:30.839	22:14:06.895	96.056000
KS	77797	07-MAR-2010	23:57:17.099	23:58:36.038	78.939000
GS	77784	07-MAR-2010	01:59:24.255	02:01:02.452	98.197000
GS	77785	07-MAR-2010	03:38:38.444	03:40:09.058	90.614000
MS	77783	07-MAR-2010	00:12:59.990	00:14:43.801	103.81100
MS	77789	07-MAR-2010	10:52:20.010	10:54:29.724	129.71400
MS	77790	07-MAR-2010	12:31:36.406	12:33:48.339	131.93300
MS	77796	07-MAR-2010	22:02:36.663	22:04:11.339	94.676000
MS	77797	07-MAR-2010	23:40:45.437	23:42:32.939	107.50200
MA	77789	07-MAR-2010	10:47:02.172	10:48:31.188	89.016000
MI	77784	07-MAR-2010	01:57:32.478	01:59:17.440	104.96200
MI	77785	07-MAR-2010	03:33:16.253	03:35:10.527	114.27400
MI	77786	07-MAR-2010	05:18:28.213	05:19:42.670	74.457000
MI	77791	07-MAR-2010	14:19:11.822	14:20:20.489	68.667000
MI	77792	07-MAR-2010	15:53:25.702	15:55:18.073	112.37100
MI	77793	07-MAR-2010	17:34:59.823	17:36:47.196	107.37300
MM	77792	07-MAR-2010	16:26:52.054	16:28:04.773	72.719000
MM	77793	07-MAR-2010	18:06:01.188	18:08:23.387	142.19900
MM	77794	07-MAR-2010	19:45:13.459	19:46:47.990	94.531000
MM	77796	07-MAR-2010	23:05:17.952	23:06:29.719	71.767000
BE	77784	07-MAR-2010	02:24:58.689	02:27:04.112	125.42300
BE	77785	07-MAR-2010	04:04:36.984	04:06:36.224	119.24000
SG	77784	07-MAR-2010	02:36:50.174	02:38:32.682	102.50800
SG	77785	07-MAR-2010	04:15:48.464	04:17:36.290	107.82600
SG	77791	07-MAR-2010	15:10:43.199	15:12:44.814	121.61500
SG	77792	07-MAR-2010	16:52:40.112	16:54:54.437	134.32500

[BACK TO MENU]

1.4 - List of missing products

Station	Orbit	Date	Start Time	Stop Time	Duration (s)

HO	77783	07-MAR-2010	01:06:59.627	01:20:11.187	791.56000
CM	77784	07-MAR-2010	03:32:40.890	03:44:24.302	703.41200
CM	77785	07-MAR-2010	05:13:22.241	05:22:18.676	536.43500
JO	77787	07-MAR-2010	07:44:45.125	07:59:20.071	874.94600
JO	77788	07-MAR-2010	09:25:13.314	09:37:43.294	749.98000
MM	77790	07-MAR-2010	13:07:53.929	13:20:34.874	760.94500
HO	77791	07-MAR-2010	14:57:09.857	15:06:27.820	557.96300
MM	77791	07-MAR-2010	14:47:31.153	15:00:12.739	761.58600
GS	77791	07-MAR-2010	14:09:41.974	14:18:45.793	543.81900
SG	77791	07-MAR-2010	15:10:43.199	15:24:27.419	824.22000
BE	77792	07-MAR-2010	15:22:20.786	15:33:23.581	662.79500
GS	77792	07-MAR-2010	15:47:32.552	16:01:27.093	834.54100
CM	77792	07-MAR-2010	15:56:31.394	16:08:20.522	709.12800
GS	77793	07-MAR-2010	17:27:34.153	17:39:04.764	690.61100
CM	77793	07-MAR-2010	17:36:57.920	17:45:51.225	533.30500
MA	77794	07-MAR-2010	18:50:20.596	18:54:34.885	254.28900
JO	77794	07-MAR-2010	20:04:51.775	20:19:04.102	852.32700
MM	77795	07-MAR-2010	21:24:51.741	21:37:32.539	760.79800
MA	77795	07-MAR-2010	20:23:10.872	20:36:57.638	826.76600
JO	77795	07-MAR-2010	21:44:23.701	21:57:46.824	803.12300
HO	77796	07-MAR-2010	22:56:27.377	23:09:45.920	798.54300
MA	77796	07-MAR-2010	22:05:21.921	22:15:25.498	603.57700

[BACK TO MENU]

1.5 - List of corrupted products

Station	Orbit	Time

---

2 - Instrument Indicators and Daily Plots

2.1 - Instrument Indicators Status

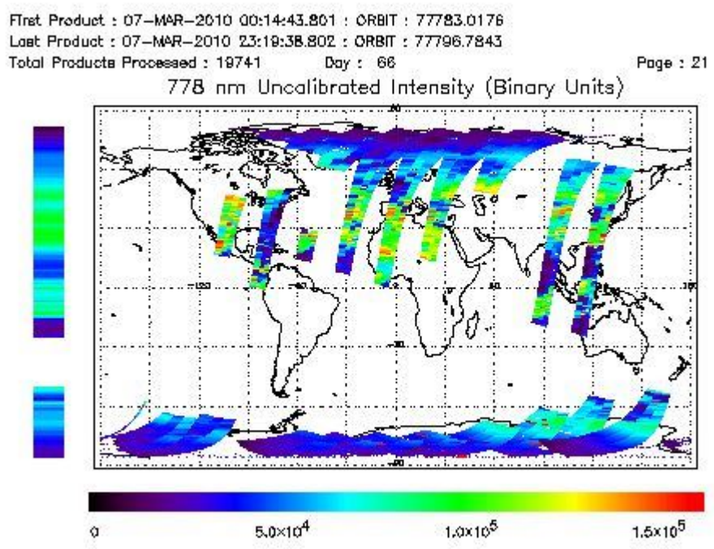
Indicator	Value
MPH Product Confidence	OK
SPH Product Confidence	OK
Command Word Echo Summary	OK
Instrument Status 1A	OK
Instrument Status 1B	OK
Instrument Status 2	OK
Integration Times Channel 1	OK
Co-Adding and Cluster Mode Flags	OK

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

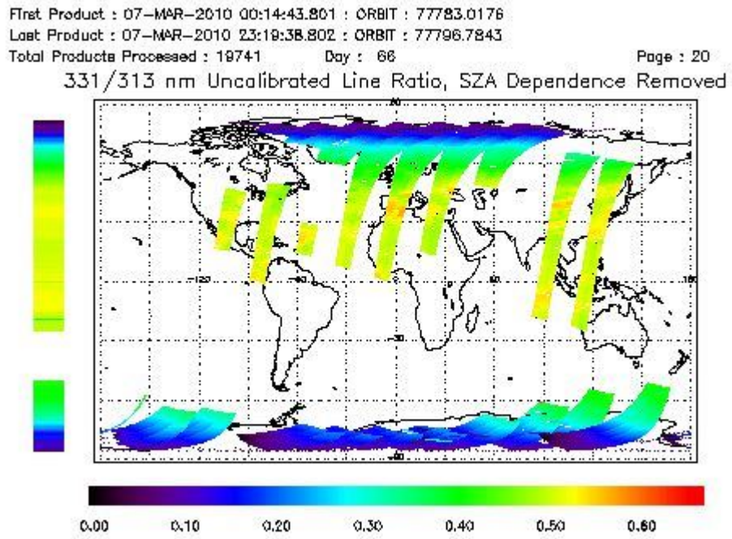
2.2 - Daily Plots

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

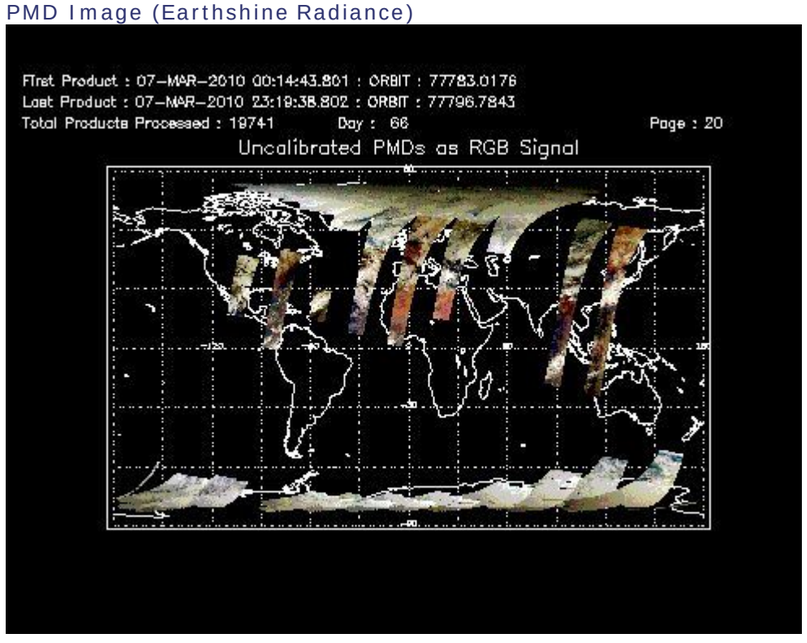
NEAR IR Intensity



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

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
18:56:19	20:36:55	77794	77795	--

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