GOME Daily Report

INDEX

1 - General Info

1.1 - Report Summary

Item	Value
Report Version	GOMEver3_3
Report of Day	14-MAR-2011
Start Time of First Product	23:49:21 (13-Mar)
Stop Time of Last Product	17;23:25
Number of EGOI Products analysed	23
Number of corrupted products	--
Anomalies and/or Special Operations	Narrow Swath executed as planned, start orbit: 83117; no solar calibration measurements available due to missing data.

1.2 - List of received products

Name	Date	Time
EGOI_110314CMEP4857.E2	14-MAR-2011	03:09:45.978
EGOI_110314CMEP4865.E2	14-MAR-2011	04:50:58.601
EGOI_110314CMEP4873.E2	14-MAR-2011	15:32:25.651
EGOI_110314CMEP4884.E2	14-MAR-2011	17:11:03.750
EGOI_110314GSEP7689.E2	14-MAR-2011	01:36:48.406
EGOI_110314GSEP7719.E2	14-MAR-2011	03:14:49.009
EGOI_110314GSEP7728.E2	14-MAR-2011	04:57:39.141
EGOI_110314KSEP8171.E2	14-MAR-2011	00:05:52.350
EGOI_110314KSEP8196.E2	14-MAR-2011	06:56:08.361

EGOI_110314KSEP8223.E2	14-MAR-2011	08:35:58.476
EGOI_110314KSEP8243.E2	14-MAR-2011	10:15:30.583
EGOI_110314MAEP3614.E2	14-MAR-2011	08:43:36.023
EGOI_110314MAEP3628.E2	14-MAR-2011	10:22:27.626
EGOI_110314MIEP5690.E2	14-MAR-2011	03:10:27.982
EGOI_110314MIEP5715.E2	14-MAR-2011	04:51:45.105
EGOI_110314MIEP5738.E2	14-MAR-2011	15:29:31.631
EGOI_110314MSEP0244.E2	13-MAR-2011	23:49:20.748
EGOI_110314MSEP0269.E2	14-MAR-2011	10:29:57.673
EGOI_110314MSEP0298.E2	14-MAR-2011	12:07:49.276
EGOI_110314SGEP2115.E2	14-MAR-2011	02:15:00.637
EGOI_110314SGEP2122.E2	14-MAR-2011	03:52:08.733
EGOI_110314SGEP2128.E2	14-MAR-2011	14:49:37.388
EGOI_110314SGEP2133.E2	14-MAR-2011	16:27:27.487

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1.3 - List of data gaps

Station	Orbit	Date	Start Time	Stop Time	Duration (s)
KS	83112	14-MAR-2011	06:53:42.184	06:56:08.360	146.17600
KS	83113	14-MAR-2011	08:33:04.910	08:35:58.475	173.56500
KS	83114	14-MAR-2011	10:12:33.996	10:15:30.583	176.58700
MS	83114	14-MAR-2011	10:26:05.787	10:29:57.673	231.88600
MS	83115	14-MAR-2011	12:05:06.071	12:07:49.275	163.20400
MA	83113	14-MAR-2011	08:42:11.633	08:43:36.022	84.389000
MA	83114	14-MAR-2011	10:20:39.011	10:22:27.625	108.61400
MI	83117	14-MAR-2011	15:26:41.709	15:29:31.630	169.92100
SG	83109	14-MAR-2011	02:11:16.953	02:15:00.636	223.68300
SG	83110	14-MAR-2011	03:49:54.807	03:52:08.733	133.92600
SG	83116	14-MAR-2011	14:44:08.776	14:49:37.388	328.61200
SG	83117	14-MAR-2011	16:25:40.043	16:27:27.486	107.44300
CM	83109	14-MAR-2011	03:07:05.136	03:09:45.977	160.84100
CM	83110	14-MAR-2011	04:47:22.643	04:50:58.600	215.95700
CM	83117	14-MAR-2011	15:29:50.331	15:32:25.650	155.31900
CM	83118	14-MAR-2011	17:09:56.736	17:11:03.749	67.013000

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1.4 - List of missing products

Station	Orbit	Date	Start Time	Stop Time	Duration (s)
HO	83108	14-MAR-2011	00:41:23.740	00:54:41.433	797.69300

MM	83108	14-MAR-2011	00:53:15.825	01:03:27.545	611.72000
BE	83109	14-MAR-2011	01:59:19.954	02:12:07.925	767.97100
MM	83109	14-MAR-2011	02:35:53.460	02:43:47.443	473.98300
BE	83110	14-MAR-2011	03:38:45.954	03:50:50.407	724.45300
MM	83110	14-MAR-2011	04:18:48.524	04:24:46.675	358.15100
MM	83111	14-MAR-2011	06:00:43.327	06:07:03.763	380.43600
MI	83111	14-MAR-2011	04:51:44.589	04:55:48.164	243.57500
MM	83112	14-MAR-2011	07:41:27.990	07:50:01.071	513.08100
JO	83112	14-MAR-2011	07:18:43.982	07:33:13.750	869.76800
MM	83113	14-MAR-2011	09:21:41.728	09:32:24.785	643.05700
JO	83113	14-MAR-2011	08:58:52.754	09:11:36.700	763.94600
HO	83114	14-MAR-2011	11:11:33.821	11:23:37.510	723.68900
MM	83114	14-MAR-2011	11:01:39.908	11:13:46.150	726.24200
HO	83115	14-MAR-2011	12:49:56.823	13:04:46.173	889.35000
MM	83115	14-MAR-2011	12:41:24.597	12:54:05.150	760.55300
KS	83115	14-MAR-2011	11:51:50.101	12:04:57.764	787.66300
HO	83116	14-MAR-2011	14:30:28.433	14:39:56.964	568.53100
MM	83116	14-MAR-2011	14:20:54.260	14:33:36.069	761.80900
KS	83116	14-MAR-2011	13:30:36.416	13:42:34.895	718.47900
GS	83116	14-MAR-2011	13:43:13.028	13:51:55.517	522.48900
BE	83117	14-MAR-2011	14:55:28.187	15:06:43.347	675.16000
MM	83117	14-MAR-2011	16:00:07.589	16:12:40.791	753.20200
KS	83117	14-MAR-2011	15:08:33.545	15:20:21.394	707.84900
GS	83117	14-MAR-2011	15:20:48.080	15:34:41.499	833.41900
MM	83118	14-MAR-2011	17:39:08.879	17:51:41.912	753.03300
MI	83118	14-MAR-2011	17:07:55.723	17:15:57.489	481.76600
KS	83118	14-MAR-2011	16:46:09.437	16:58:52.089	762.65200
GS	83118	14-MAR-2011	17:00:38.894	17:12:18.842	699.94800
MM	83119	14-MAR-2011	19:18:12.741	19:30:54.328	761.58700
MA	83119	14-MAR-2011	18:23:22.883	18:27:32.989	250.10600
KS	83119	14-MAR-2011	18:24:12.185	18:38:00.373	828.18800
JO	83119	14-MAR-2011	19:37:54.244	19:51:59.066	844.82200
MM	83120	14-MAR-2011	20:57:41.931	21:10:23.109	761.17800
MA	83120	14-MAR-2011	19:56:04.315	20:09:51.609	827.29400
KS	83120	14-MAR-2011	20:03:39.304	20:17:27.193	827.88900
JO	83120	14-MAR-2011	21:17:11.491	21:30:44.360	812.86900

HO	83121	14-MAR-2011	22:29:12.788	22:42:27.543	794.75500
MM	83121	14-MAR-2011	22:37:58.504	22:50:07.217	728.71300
MS	83121	14-MAR-2011	21:35:28.197	21:46:07.233	639.03600
MA	83121	14-MAR-2011	21:37:24.883	21:48:13.687	648.80400
KS	83121	14-MAR-2011	21:45:07.989	21:56:54.791	706.80200
MS	83122	14-MAR-2011	23:13:17.420	23:26:19.910	782.49000
KS	83122	14-MAR-2011	23:29:38.509	23:35:41.569	363.06000

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1.5 - List of corrupted products

Station	Orbit	Time

2 - Instrument Indicators and Daily Plots

2.1 - Instrument Indicators Status

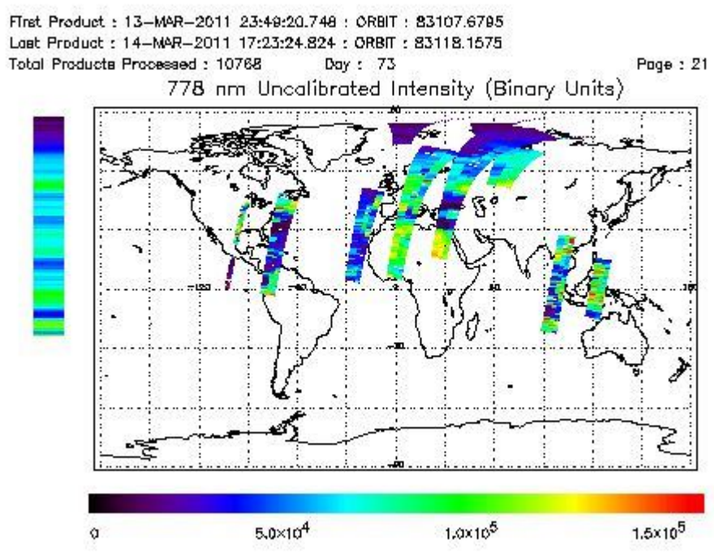
Indicator	Value
MPH Product Confidence	OK
SPH Product Confidence	OK
Command Word Echo Summary	OK
Instrument Status 1A	OK
Instrument Status 1B	OK
Instrument Status 2	OK
Integration Times Channel 1	OK
Co-Adding and Cluster Mode Flags	OK
Integration Times Band 2A	OK
Integration Times Band 2B	OK
Integration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

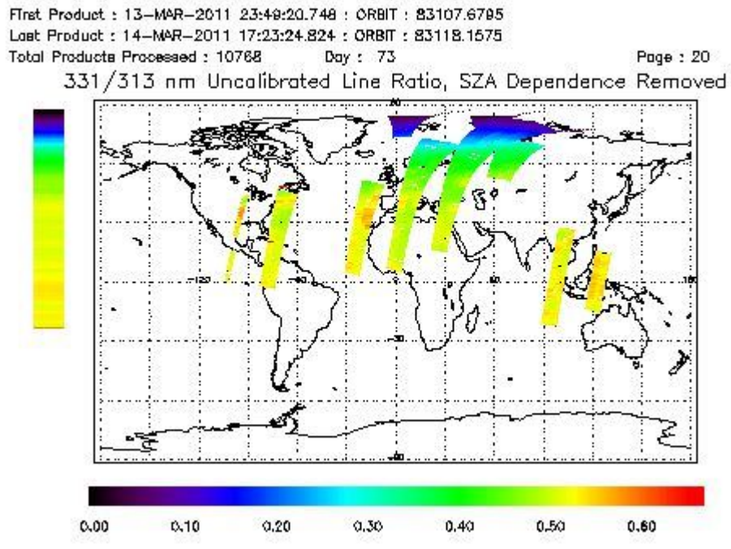
2.2 - Daily Plots

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

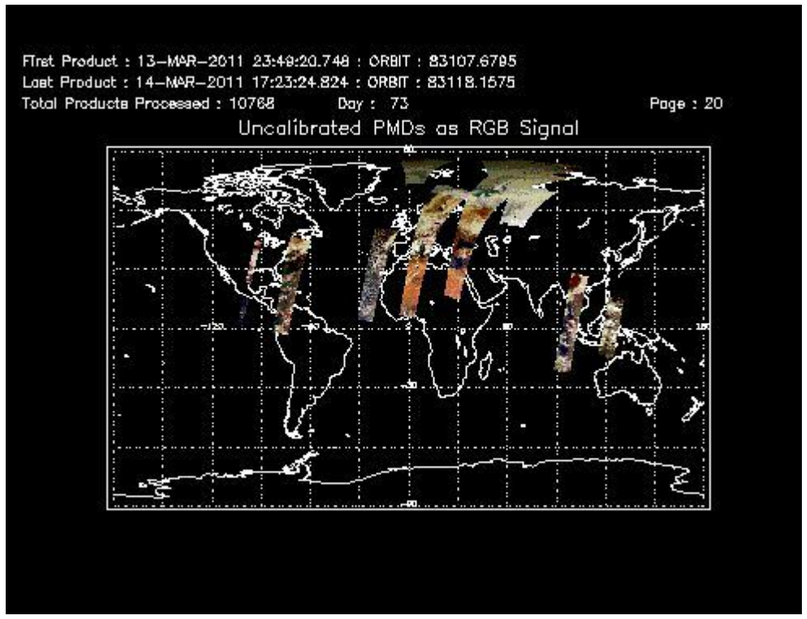
NEAR IR Intensity



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)
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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
16:00	--	83117	--

5.6 - Seasonal Operations

Start Time	End Time	Start Orbit	End Orbit
--	--	83056	--

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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