GOME Daily Report

INDEX

1 - General Info

1.1 - Report Summary

Item	Value
Report Version	GOMEver3_3
Report of Day	29-MAR-2010
Start Time of First Product	00:23:20
Stop Time of Last Product	22:35:13
Number of EGOI Products analysed	29
Number of corrupted products	--
Anomalies and/or Special Operations	Nominal Data

1.2 - List of received products

Name	Date	Time
EGOI_100329BEEP2293.E2	29-MAR-2010	02:35:15.010
EGOI_100329BEEP2299.E2	29-MAR-2010	04:15:05.125
EGOI_100329CMEP7313.E2	29-MAR-2010	16:06:31.987
EGOI_100329GSEP2856.E2	29-MAR-2010	02:08:58.350
EGOI_100329GSEP2884.E2	29-MAR-2010	03:48:40.961
EGOI_100329GSEP2894.E2	29-MAR-2010	05:31:26.597
EGOI_100329KSEP6516.E2	29-MAR-2010	07:29:39.317
EGOI_100329KSEP6540.E2	29-MAR-2010	09:09:39.929
EGOI_100329KSEP6566.E2	29-MAR-2010	10:49:18.043

EGOI_100329KSEP6595.E2	29-MAR-2010	12:28:39.654
EGOI_100329KSEP6611.E2	29-MAR-2010	14:07:35.754
EGOI_100329KSEP6640.E2	29-MAR-2010	15:45:34.857
EGOI_100329KSEP6672.E2	29-MAR-2010	17:23:23.452
EGOI_100329KSEP6708.E2	29-MAR-2010	19:01:16.556
EGOI_100329KSEP6742.E2	29-MAR-2010	20:40:48.667
EGOI_100329KSEP6768.E2	29-MAR-2010	22:22:43.290
EGOI_100329MAEP0451.E2	29-MAR-2010	09:16:54.972
EGOI_100329MAEP0460.E2	29-MAR-2010	10:56:54.087
EGOI_100329MAEP0477.E2	29-MAR-2010	22:14:46.243
EGOI_100329MIEP7713.E2	29-MAR-2010	02:06:55.338
EGOI_100329MIEP7737.E2	29-MAR-2010	03:43:30.429
EGOI_100329MIEP7756.E2	29-MAR-2010	14:27:29.876
EGOI_100329MIEP7776.E2	29-MAR-2010	16:03:37.967
EGOI_100329MSEP0011.E2	29-MAR-2010	00:23:20.208
EGOI_100329MSEP0034.E2	29-MAR-2010	11:02:33.122
EGOI_100329MSEP0061.E2	29-MAR-2010	12:42:06.730
EGOI_100329MSEP0087.E2	29-MAR-2010	22:12:08.728
EGOI_100329SGEP4639.E2	29-MAR-2010	02:47:33.085
EGOI_100329SGEP4644.E2	29-MAR-2010	04:26:26.196
EGOI_100329SGEP4650.E2	29-MAR-2010	17:04:00.835

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1.3 - List of data gaps

Station	Orbit	Date	Start Time	Stop Time	Duration (s)
KS	78102	29-MAR-2010	07:28:17.468	07:29:39.317	81.849000
KS	78103	29-MAR-2010	09:07:50.407	09:09:39.928	109.52100
KS	78104	29-MAR-2010	10:47:26.888	10:49:18.042	111.15400
KS	78106	29-MAR-2010	14:05:41.591	14:07:35.754	114.16300
KS	78107	29-MAR-2010	15:43:38.234	15:45:34.857	116.62300
KS	78108	29-MAR-2010	17:21:29.749	17:23:23.452	113.70300
KS	78109	29-MAR-2010	18:59:40.499	19:01:16.555	96.056000
KS	78110	29-MAR-2010	20:39:27.624	20:40:48.667	81.043000
KS	78111	29-MAR-2010	22:21:20.889	22:22:43.290	82.401000
GS	78099	29-MAR-2010	02:07:44.304	02:08:58.349	74.045000
GS	78100	29-MAR-2010	03:47:22.060	03:48:40.961	78.901000
MS	78098	29-MAR-2010	00:21:57.772	00:23:20.208	82.436000
MS	78104	29-MAR-2010	11:00:39.893	11:02:33.121	113.22800
MS	78105	29-MAR-2010	12:40:15.481	12:42:06.729	111.24800
MS	78111	29-MAR-2010	22:10:45.360	22:12:08.727	83.367000
MS	78112	29-MAR-2010	23:49:28.186	23:51:01.835	93.649000

MA	78104	29-MAR-2010	10:55:42.428	10:56:54.086	71.658000
MI	78099	29-MAR-2010	02:05:17.999	02:06:55.337	97.338000
MI	78100	29-MAR-2010	03:41:49.566	03:43:30.428	100.86200
MI	78106	29-MAR-2010	14:25:59.568	14:27:29.876	90.308000
MI	78107	29-MAR-2010	16:01:55.833	16:03:37.966	102.13300
BE	78099	29-MAR-2010	02:33:25.249	02:35:15.010	109.76100
BE	78100	29-MAR-2010	04:13:16.297	04:15:05.125	108.82800
SG	78099	29-MAR-2010	02:45:02.241	02:47:33.084	150.84300
SG	78099	29-MAR-2010	02:51:10.607	02:57:41.708	391.10100
SG	78100	29-MAR-2010	04:24:37.540	04:26:26.196	108.65600
SG	78100	29-MAR-2010	04:29:36.715	04:36:18.100	401.38500
CM	78107	29-MAR-2010	16:04:53.528	16:06:31.986	98.458000

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1.4 - List of missing products

Station	Orbit	Date	Start Time	Stop Time	Duration (s)
HO	78098	29-MAR-2010	01:15:43.496	01:28:32.735	769.23900
MM	78098	29-MAR-2010	01:27:40.045	01:37:37.538	597.49300
MM	78099	29-MAR-2010	03:10:30.698	03:18:08.340	457.64200
CM	78099	29-MAR-2010	03:40:59.992	03:53:02.615	722.62300
MM	78100	29-MAR-2010	04:53:30.845	04:59:22.849	352.00400
MM	78101	29-MAR-2010	06:35:23.987	06:41:56.554	392.56700
KS	78101	29-MAR-2010	05:49:59.234	05:52:29.519	150.28500
CM	78101	29-MAR-2010	05:22:33.150	05:30:13.018	459.86800
MM	78102	29-MAR-2010	08:16:11.522	08:25:00.996	529.47400
JO	78102	29-MAR-2010	07:53:07.545	08:07:55.212	887.66700
MM	78103	29-MAR-2010	09:56:31.115	10:07:26.326	655.21100
JO	78103	29-MAR-2010	09:34:11.481	09:45:53.489	702.00800
MM	78104	29-MAR-2010	11:36:35.787	11:48:48.235	732.44800
MM	78105	29-MAR-2010	13:16:26.883	13:29:08.848	761.96500
HO	78106	29-MAR-2010	15:05:55.403	15:14:40.126	524.72300
MM	78106	29-MAR-2010	14:56:02.723	15:08:43.601	760.87800
GS	78106	29-MAR-2010	14:17:53.259	14:27:53.107	599.84800
SG	78106	29-MAR-2010	15:19:09.369	15:33:00.775	831.40600
BE	78107	29-MAR-2010	15:31:18.477	15:41:39.083	620.60600
MM	78107	29-MAR-2010	16:35:22.302	16:47:54.864	752.56200

GS	78107	29-MAR-2010	15:56:03.367	16:09:59.471	836.10400
MM	78108	29-MAR-2010	18:14:30.971	18:27:04.748	753.77700
MI	78108	29-MAR-2010	17:44:13.920	17:50:06.583	352.66300
GS	78108	29-MAR-2010	17:36:13.452	17:47:13.799	660.34700
CM	78108	29-MAR-2010	17:45:59.468	17:53:41.566	462.09800
MM	78109	29-MAR-2010	19:53:44.522	20:06:26.954	762.43200
MA	78109	29-MAR-2010	18:58:20.876	19:03:08.704	287.82800
JO	78109	29-MAR-2010	20:13:14.602	20:27:45.949	871.34700
MM	78110	29-MAR-2010	21:33:26.128	21:46:05.622	759.49400
MA	78110	29-MAR-2010	20:31:36.614	20:45:19.342	822.72800
JO	78110	29-MAR-2010	21:53:06.481	22:05:56.654	770.17300
HO	78111	29-MAR-2010	23:04:43.766	23:18:21.243	817.47700
MM	78111	29-MAR-2010	23:13:57.258	23:25:59.359	722.10100

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1.5 - List of corrupted products

Station	Orbit	Time

2 - Instrument Indicators and Daily Plots

2.1 - Instrument Indicators Status

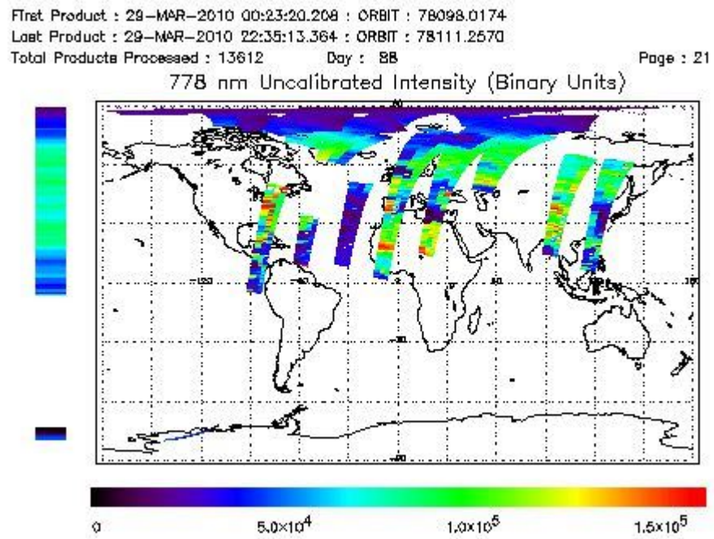
Indicator	Value
MPH Product Confidence	OK
SPH Product Confidence	OK
Command Word Echo Summary	OK
Instrument Status 1A	OK
Instrument Status 1B	OK
Instrument Status 2	OK
Integration Times Channel 1	OK
Co-Adding and Cluster Mode Flags	OK
Integration Times Band 2A	OK
Integration Times Band 2B	OK
Integration Times Band 3	OK
Integration Times Band 4	OK
Scan Mirror position	Polar View operated
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

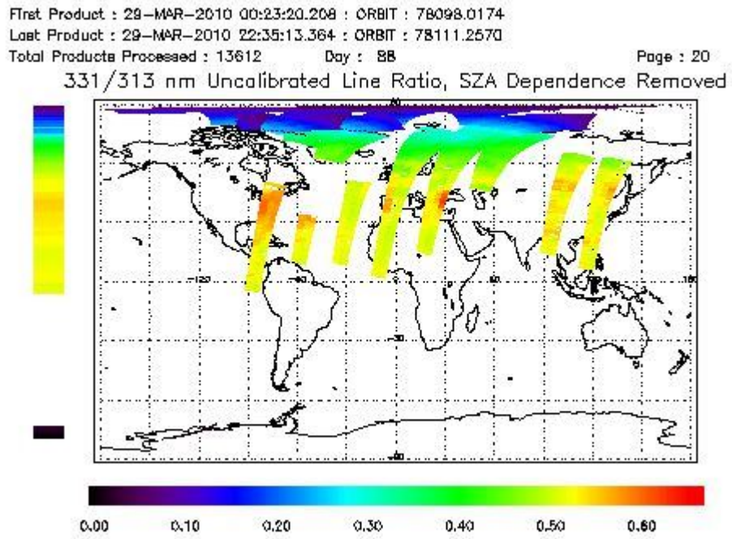
2.2 - Daily Plots

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

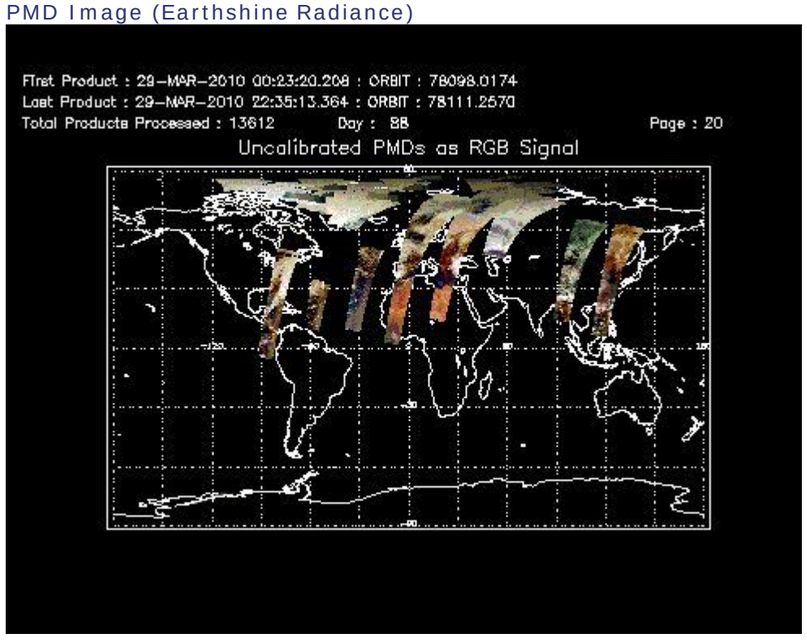
NEAR IR Intensity



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	15:48:43.876	--	78107	Yes	--	15375

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
07:00 10-Mar	--	77830	--

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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