GOME Daily Report

INDEX

1 - General Info

1.1 - Report Summary

Item	Value
Report Version	GOMEver3_3
Report of Day	29-APR-2011
Start Time of First Product	00:19:17
Stop Time of Last Product	23:06:56
Number of EGOI Products analysed	37
Number of corrupted products	--
Anomalies and/or Special Operations	Quarterly calibration continued from previous day: orbits 73766-73767; two Lamp failures occurred; no solar calibration available due to the execution of an ERS2 orbit manoeuvre

1.2 - List of received products

Name	Date	Time
EGOI_110429CMEP6116.E2	29-APR-2011	02:38:57.900
EGOI_110429CMEP6121.E2	29-APR-2011	04:14:46.486
EGOI_110429CMEP6129.E2	29-APR-2011	15:01:29.451
EGOI_110429CMEP6137.E2	29-APR-2011	16:37:54.043
EGOI_110429GSEP0953.E2	29-APR-2011	01:05:12.326
EGOI_110429GSEP0985.E2	29-APR-2011	02:41:53.420
EGOI_110429GSEP1014.E2	29-APR-2011	04:23:03.041

EGOI_110429GSEP1021.E2	29-APR-2011	06:05:12.666
EGOI_110429HLEP0064.E2	29-APR-2011	22:04:08.042
EGOI_110429KSEP7627.E2	29-APR-2011	06:23:15.771
EGOI_110429KSEP7649.E2	29-APR-2011	08:03:02.889
EGOI_110429KSEP7674.E2	29-APR-2011	09:42:30.503
EGOI_110429KSEP7697.E2	29-APR-2011	11:21:59.606
EGOI_110429KSEP7714.E2	29-APR-2011	13:01:00.216
EGOI_110429KSEP7722.E2	29-APR-2011	14:39:41.319
EGOI_110429KSEP7736.E2	29-APR-2011	16:17:17.921
EGOI_110429KSEP7764.E2	29-APR-2011	17:55:00.516
EGOI_110429KSEP7796.E2	29-APR-2011	19:33:11.619
EGOI_110429KSEP7819.E2	29-APR-2011	21:13:10.733
EGOI_110429KSEP7835.E2	29-APR-2011	22:56:03.863
EGOI_110429MAEP6280.E2	29-APR-2011	08:11:40.435
EGOI_110429MAEP6301.E2	29-APR-2011	09:49:56.041
EGOI_110429MAEP6324.E2	29-APR-2011	21:05:36.184
EGOI_110429MAEP6338.E2	29-APR-2011	22:48:39.815
EGOI_110429MIEP0388.E2	29-APR-2011	02:37:57.896
EGOI_110429MIEP0417.E2	29-APR-2011	04:16:49.502
EGOI_110429MIEP0443.E2	29-APR-2011	14:57:18.928
EGOI_110429MIEP0473.E2	29-APR-2011	16:35:33.027
EGOI_110429MSEP5765.E2	29-APR-2011	00:59:16.795
EGOI_110429MSEP5780.E2	29-APR-2011	09:58:29.094
EGOI_110429MSEP5809.E2	29-APR-2011	11:35:02.688
EGOI_110429MSEP5833.E2	29-APR-2011	13:15:42.307
EGOI_110429MSEP5864.E2	29-APR-2011	22:43:12.785
EGOI_110429SGEP3088.E2	29-APR-2011	03:28:40.209
EGOI_110429SGEP3096.E2	29-APR-2011	05:02:22.779
EGOI_110429SGEP3101.E2	29-APR-2011	14:15:59.174
EGOI_110429SGEP3107.E2	29-APR-2011	15:53:25.273

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1.3 - List of data gaps

Station	Orbit	Date	Start Time	Stop Time	Duration (s)

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1.4 - List of missing products

Station	Orbit	Date	Start Time	Stop Time	Duration (s)
HO	83766	29-APR-2011	00:29:05.336	00:43:42.427	877.09100
MM	83766	29-APR-2011	00:40:56.742	00:51:47.543	650.80100
BE	83767	29-APR-2011	01:48:43.494	01:59:44.552	661.05800
MM	83767	29-APR-2011	02:23:24.652	02:32:08.158	523.50600
SG	83767	29-APR-2011	02:02:34.382	02:09:37.886	423.50400

BE	83768	29-APR-2011	03:27:20.078	03:40:30.266	790.18800
MM	83768	29-APR-2011	04:06:29.628	04:12:57.582	387.95400
MM	83769	29-APR-2011	05:49:00.243	05:54:54.244	354.00100
MI	83769	29-APR-2011	04:37:18.100	04:47:49.571	631.47100
GS	83769	29-APR-2011	04:43:51.989	04:53:03.761	551.77200
MM	83770	29-APR-2011	07:30:12.044	07:37:55.638	463.59400
JO	83770	29-APR-2011	07:09:01.084	07:21:47.887	766.80300
MM	83771	29-APR-2011	09:10:41.504	09:20:44.295	602.79100
JO	83771	29-APR-2011	08:47:08.769	09:01:41.639	872.87000
MM	83772	29-APR-2011	10:50:52.434	11:02:36.079	703.64500
MM	83773	29-APR-2011	12:30:49.874	12:43:23.426	753.55200
MA	83773	29-APR-2011	11:51:59.582	11:57:05.333	305.75100
HO	83774	29-APR-2011	14:19:29.912	14:32:10.031	760.11900
MM	83774	29-APR-2011	14:10:32.932	14:23:16.646	763.71400
BE	83775	29-APR-2011	14:44:14.024	14:57:07.962	773.93800
MM	83775	29-APR-2011	15:49:59.829	16:02:35.681	755.85200
GS	83775	29-APR-2011	15:10:48.524	15:24:02.934	794.41000
MM	83776	29-APR-2011	17:29:12.177	17:41:43.845	75

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1.5 - List of corrupted products

Station	Orbit	Time

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2 - Instrument Indicators and Daily Plots

2.1 - Instrument Indicators Status

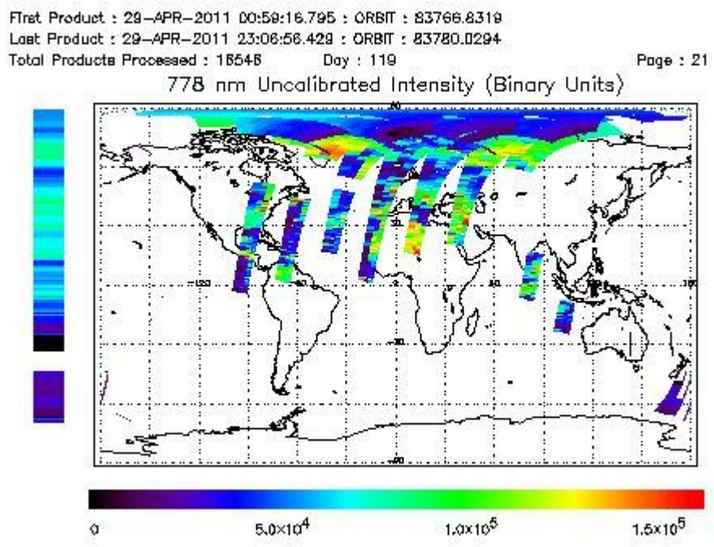
Indicator	Value
MPH Product Confidence	OK
SPH Product Confidence	OK
Command Word Echo Summary	OK
Instrument Status 1A	OK
Instrument Status 1B	OK
Instrument Status 2	OK
Integration Times Channel 1	OK
Co-Adding and Cluster Mode Flags	OK
Integration Times Band 2A	OK
Integration Times Band 2B	OK
Integration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

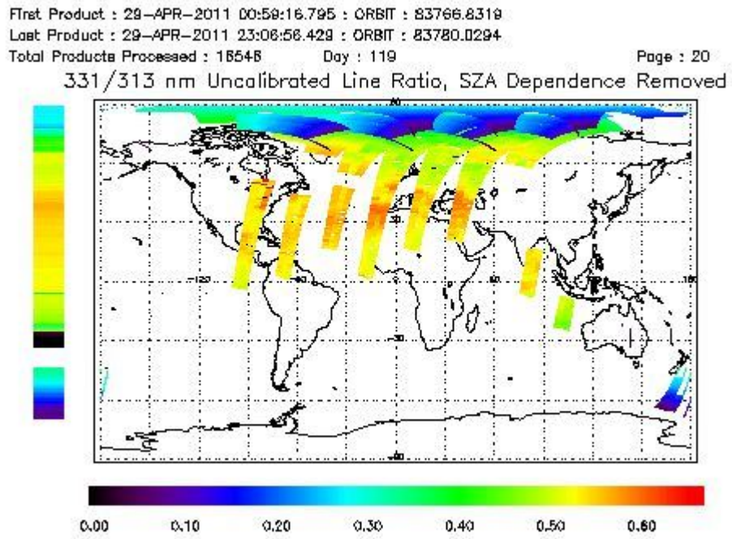
2.2 - Daily Plots

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

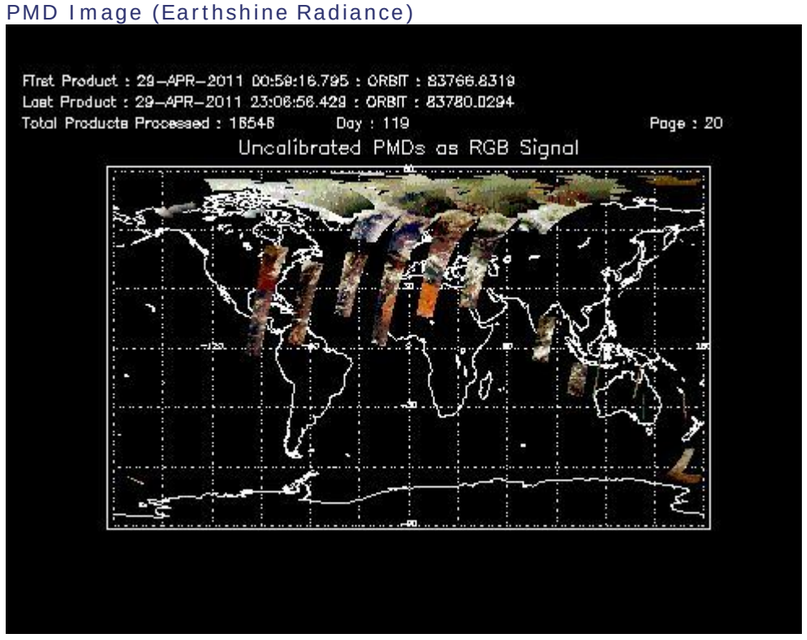
NEAR IR Intensity



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)
Q	00:59:17	01:04:18	--	No Start	--	--	280
Q	02:37:58	02:44:47	--	No Start	--	--	281

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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