

GOME Daily Report

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1 - General Info

1.1 - Report Summary

Item	Value
Report Version	GOMEver3_3
Report of Day	04-JUL-2011
Start Time of First Product	01:00:08
Stop Time of Last Product	11:29:09
Number of EGOI Products analysed	17
Number of corrupted products	--
Anomalies and/or Special Operations	End of ERS-2 Mission, last product acquired: orbit 84717

1.2 - List of received products

Name	Date	Time
EGOI_110704CMEP7911.E2	04-JUL-2011	02:42:34.160
EGOI_110704CMEP7918.E2	04-JUL-2011	04:14:57.218
EGOI_110704GSEP5720.E2	04-JUL-2011	01:05:33.566
EGOI_110704GSEP5749.E2	04-JUL-2011	04:23:13.773
EGOI_110704GSEP5756.E2	04-JUL-2011	06:05:20.400
EGOI_110704KSEP1006.E2	04-JUL-2011	06:23:24.999
EGOI_110704KSEP1032.E2	04-JUL-2011	08:03:06.115
EGOI_110704KSEP1058.E2	04-JUL-2011	09:42:38.221
EGOI_110704KSEP1077.E2	04-JUL-2011	11:22:05.831

EGOI_110704MAEP0491.E2	04-JUL-2011	08:11:55.668
EGOI_110704MAEP0513.E2	04-JUL-2011	09:49:32.261
EGOI_110704MIEP6870.E2	04-JUL-2011	02:38:29.636
EGOI_110704MIEP6898.E2	04-JUL-2011	04:17:18.234
EGOI_110704MSEP3507.E2	04-JUL-2011	01:00:08.031
EGOI_110704MSEP3522.E2	04-JUL-2011	09:58:41.319
EGOI_110704SGEP4328.E2	04-JUL-2011	03:19:47.886
EGOI_110704SGEP4337.E2	04-JUL-2011	05:01:45.503

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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)
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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

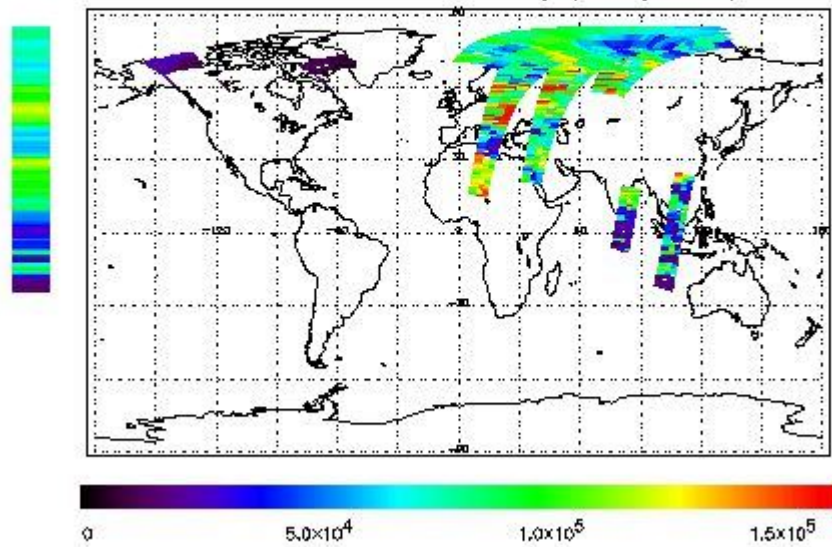
2.2 - Daily Plots

The images linked below provide a quick check on the data coverage and instrument performance. All data are UNCALIBRATED. For the explanation see the [GOME Performance Legend](#)

NEAR IR Intensity

First Product : 04-JUL-2011 01:00:08.031 : ORBIT : 84711.5832
 Last Product : 04-JUL-2011 11:29:08.873 : ORBIT : 84717.8359
 Total Products Processed : 6645 Day : 185 Page : 21

778 nm Uncalibrated Intensity (Binary Units)

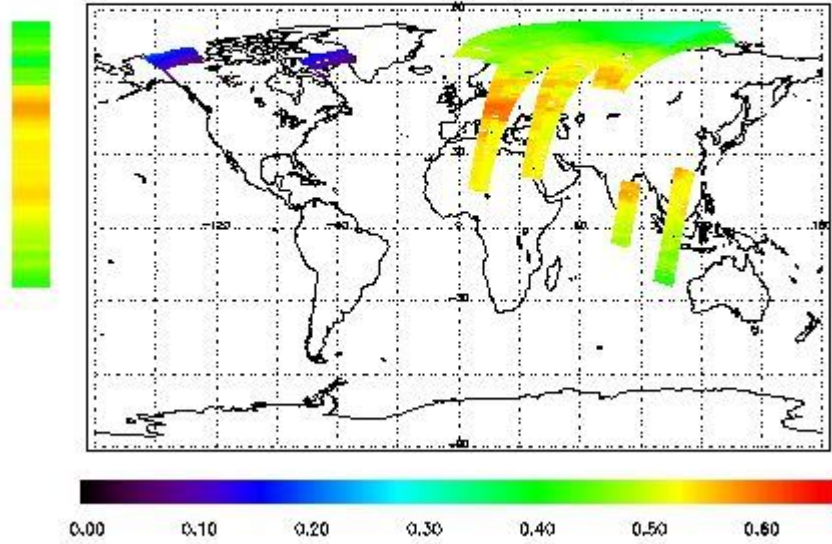


Ozone Line Ratio

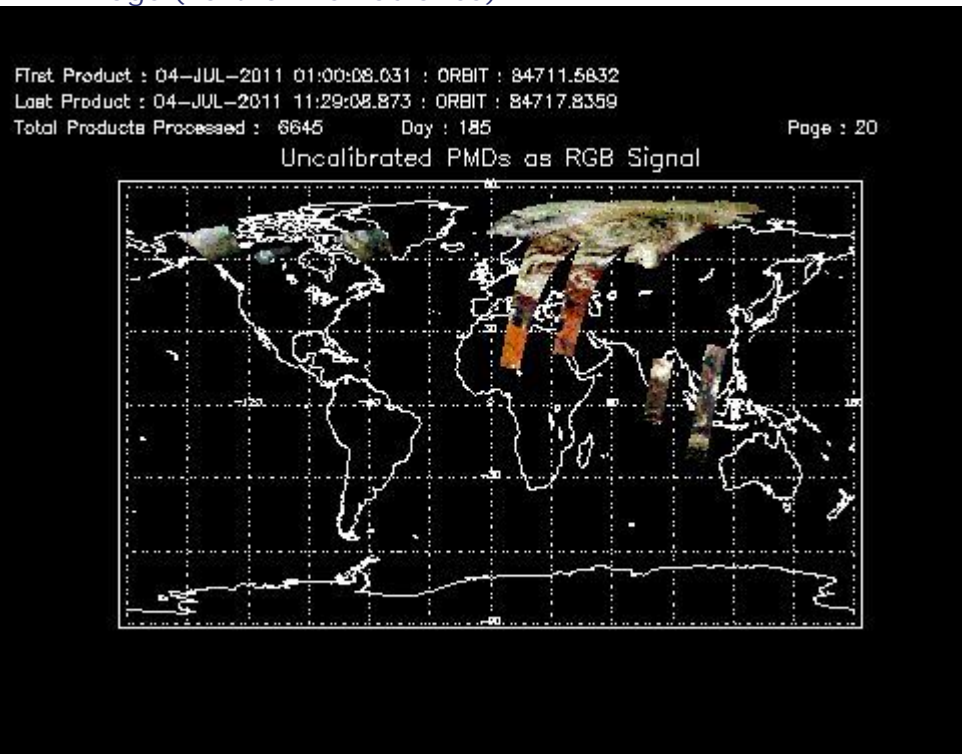
First Product : 04-JUL-2011 01:00:08.031 : ORBIT : 84711.5832
 Last Product : 04-JUL-2011 11:29:08.873 : ORBIT : 84717.8359
 Total Products Processed : 6645 Day : 185

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331/313 nm Uncalibrated Line Ratio, SZA Dependence Removed



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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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
--	--	--

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
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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