

GOME Daily Report

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1 - General Info

1.1 - Report Summary

Item	Value
Report Version	GOMEver3_3
Report of Day	04-APR-2011
Start Time of First Product	23:49:26 (03-Apr)
Stop Time of Last Product	23:39:57
Number of EGOI Products analysed	33
Number of corrupted products	--
Anomalies and/or Special Operations	no solar calibration measurements available due to the execution of an ERS2 orbit manoeuvre

1.2 - List of received products

Name	Date	Time
EGOI_110404CMEP5423.E2	04-APR-2011	03:09:50.120
EGOI_110404CMEP5430.E2	04-APR-2011	04:51:04.233
EGOI_110404CMEP5438.E2	04-APR-2011	15:32:41.158
EGOI_110404CMEP5447.E2	04-APR-2011	17:11:11.176
EGOI_110404GSEP9116.E2	04-APR-2011	03:14:54.647
EGOI_110404GSEP9126.E2	04-APR-2011	04:57:44.777
EGOI_110404HLEP9810.E2	04-APR-2011	22:32:52.148
EGOI_110404KSEP2596.E2	04-APR-2011	00:06:36.998
EGOI_110404KSEP2619.E2	04-APR-2011	06:56:10.999

EGOI_110404KSEP2647.E2	04-APR-2011	08:36:02.614
EGOI_110404KSEP2667.E2	04-APR-2011	10:15:34.717
EGOI_110404KSEP2695.E2	04-APR-2011	11:54:57.832
EGOI_110404KSEP2711.E2	04-APR-2011	13:33:52.431
EGOI_110404KSEP2731.E2	04-APR-2011	15:12:14.037
EGOI_110404KSEP2743.E2	04-APR-2011	16:49:45.547
EGOI_110404KSEP2758.E2	04-APR-2011	18:27:29.646
EGOI_110404KSEP2770.E2	04-APR-2011	20:06:07.749
EGOI_110404KSEP2788.E2	04-APR-2011	21:47:09.867
EGOI_110404KSEP2802.E2	04-APR-2011	23:31:10.509
EGOI_110404MAEP4771.E2	04-APR-2011	08:44:01.151
EGOI_110404MAEP4786.E2	04-APR-2011	10:22:39.259
EGOI_110404MAEP4797.E2	04-APR-2011	20:00:03.209
EGOI_110404MAEP4819.E2	04-APR-2011	21:39:11.319
EGOI_110404MIEP7888.E2	04-APR-2011	03:10:08.120
EGOI_110404MIEP7912.E2	04-APR-2011	04:51:29.733
EGOI_110404MIEP7936.E2	04-APR-2011	15:29:23.135
EGOI_110404MIEP7964.E2	04-APR-2011	17:09:14.164
EGOI_110404MSEP2778.E2	03-APR-2011	23:49:26.389
EGOI_110404MSEP2803.E2	04-APR-2011	10:30:03.308
EGOI_110404MSEP2832.E2	04-APR-2011	12:07:54.907
EGOI_110404MSEP2854.E2	04-APR-2011	21:39:30.820
EGOI_110404MSEP2886.E2	04-APR-2011	23:15:55.415
EGOI_110404SGEP2526.E2	04-APR-2011	02:15:06.280
EGOI_110404SGEP2532.E2	04-APR-2011	03:52:03.870
EGOI_110404SGEP2541.E2	04-APR-2011	14:49:42.397
EGOI_110404SGEP2547.E2	04-APR-2011	16:27:31.910

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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	83408	04-APR-2011	00:14:53.352	00:29:31.589	878.23700
MM	83408	04-APR-2011	00:26:23.456	00:37:28.821	665.36500
HO	83409	04-APR-2011	01:58:12.897	02:06:52.472	519.57500
MM	83409	04-APR-2011	02:08:43.053	02:17:46.842	543.78900
GS	83409	04-APR-2011	01:10:07.708	01:20:41.336	633.62800
BE	83410	04-APR-2011	03:13:04.813	03:26:26.855	802.04200
MM	83410	04-APR-2011	03:51:46.051	03:58:30.398	404.34700

BE	83411	04-APR-2011	04:54:04.276	05:02:21.707	497.43100
MM	83411	04-APR-2011	05:34:26.679	05:40:15.067	348.38800
MM	83412	04-APR-2011	07:15:48.181	07:23:11.652	443.47100
JO	83412	04-APR-2011	06:55:33.912	07:07:10.522	696.61000
MM	83413	04-APR-2011	08:56:21.553	09:06:06.027	584.47400
JO	83413	04-APR-2011	08:32:45.776	08:47:38.960	893.18400
MM	83414	04-APR-2011	10:36:34.570	10:48:06.984	692.41400
MM	83415	04-APR-2011	12:16:33.931	12:29:03.202	749.27100
MA	83415	04-APR-2011	11:37:06.351	11:44:17.141	430.79000
MM	83416	04-APR-2011	13:56:19.167	14:09:03.101	763.93400
MS	83416	04-APR-2011	13:21:33.758	13:29:13.423	459.66500
SG	83416	04-APR-2011	14:21:19.025	14:31:59.530	640.50500
BE	83417	04-APR-2011	14:29:49.003	14:43:02.858	793.85500
MM	83417	04-APR-2011	15:35:48.419	15:48:25.586	757.16700
GS	83417	04-APR-2011	14:56:46.010	15:09:28.273	762.26300
MM	83418	04-APR-2011	17:15:02.439	17:27:33.974	751.53500
GS	83418	04-APR-2011	16:35:56.096	16:49:25.267	809.17100
MM	83419	04-APR-2011	18:54:10.576	19:06:47.734	757.15

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1.5 - List of corrupted products

Station	Orbit	Time
MI	83410	03:24:06.70

2 - Instrument Indicators and Daily Plots

2.1 - Instrument Indicators Status

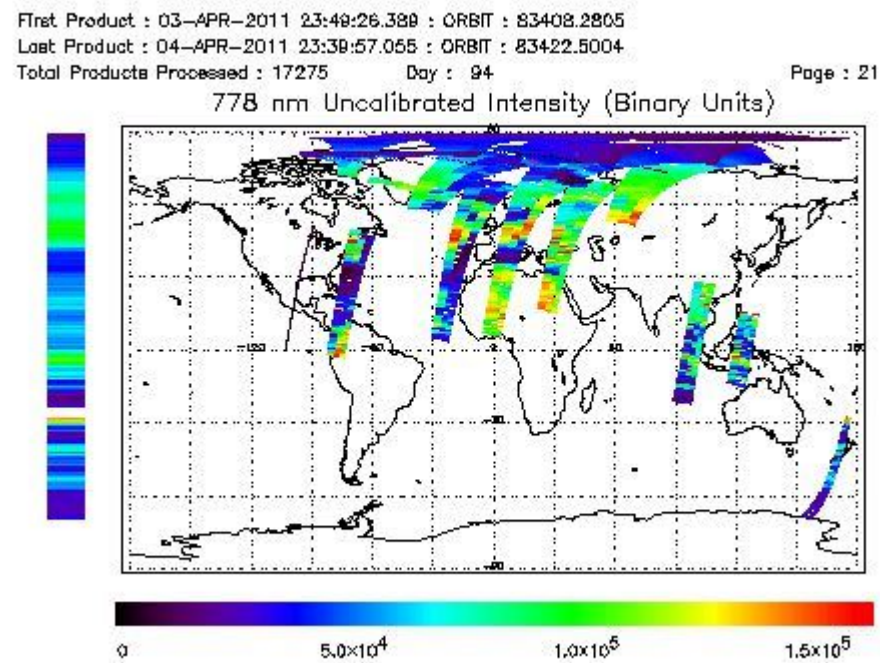
Indicator	Value
MPH Product Confidence	OK
SPH Product Confidence	OK
Command Word Echo Summary	OK
Instrument Status 1A	OK
Instrument Status 1B	OK
Instrument Status 2	OK
Integration Times Channel 1	OK
Co-Adding and Cluster Mode Flags	OK
Integration Times Band 2A	OK
Integration Times Band 2B	OK
Integration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

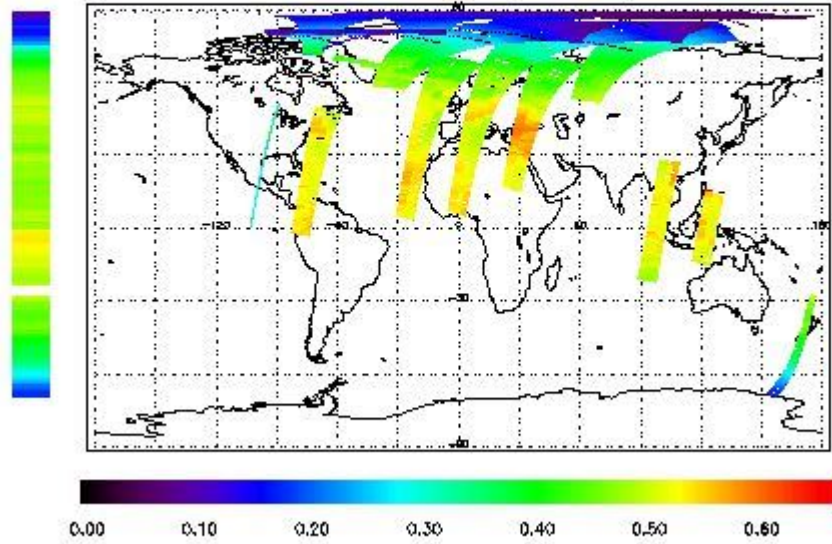


Ozone Line Ratio

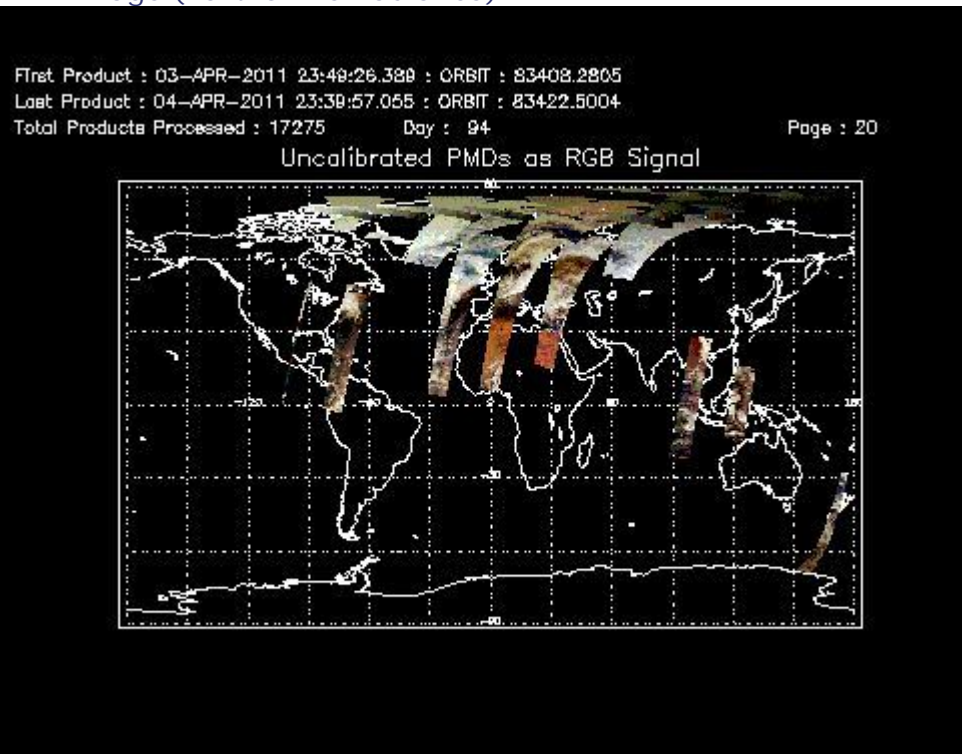
First Product : 03-APR-2011 23:49:26.389 : ORBIT : 83408.2805
 Last Product : 04-APR-2011 23:39:57.055 : ORBIT : 83422.5004
 Total Products Processed : 17275 Day : 94

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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
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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