

GOME Daily Report

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1 - General Info

1.1 - Report Summary

Item	Value
Report Version	GOMEver3_3
Report of Day	15-APR-2011
Start Time of First Product	00:23:39
Stop Time of Last Product	22:33:44
Number of EGOI Products analysed	31
Number of corrupted products	--
Anomalies and/or Special Operations	<i>Narrow Swath continued from previous day, stop orbit: 83576</i>

1.2 - List of received products

Name	Date	Time
EGOI_110415CMEP5765.E2	15-APR-2011	03:41:55.242
EGOI_110415CMEP5772.E2	15-APR-2011	05:22:52.859
EGOI_110415CMEP5779.E2	15-APR-2011	16:05:01.306
EGOI_110415CMEP5788.E2	15-APR-2011	17:45:19.923
EGOI_110415GSEP9868.E2	15-APR-2011	00:34:00.092
EGOI_110415GSEP9876.E2	15-APR-2011	02:09:15.676
EGOI_110415GSEP9900.E2	15-APR-2011	03:48:41.785
EGOI_110415GSEP9910.E2	15-APR-2011	05:31:12.413
EGOI_110415KSEP5014.E2	15-APR-2011	07:29:25.135

EGOI_110415KSEP5043.E2	15-APR-2011	09:09:16.750
EGOI_110415KSEP5067.E2	15-APR-2011	10:48:50.361
EGOI_110415KSEP5093.E2	15-APR-2011	12:27:59.972
EGOI_110415KSEP5110.E2	15-APR-2011	14:06:54.579
EGOI_110415KSEP5124.E2	15-APR-2011	15:44:58.181
EGOI_110415KSEP5134.E2	15-APR-2011	17:22:36.284
EGOI_110415KSEP5164.E2	15-APR-2011	19:00:06.880
EGOI_110415KSEP5173.E2	15-APR-2011	20:39:26.990
EGOI_110415KSEP5190.E2	15-APR-2011	22:21:12.616
EGOI_110415MAEP5427.E2	15-APR-2011	10:56:21.911
EGOI_110415MAEP5442.E2	15-APR-2011	20:33:11.948
EGOI_110415MIEP9017.E2	15-APR-2011	02:06:50.160
EGOI_110415MIEP9038.E2	15-APR-2011	03:43:25.254
EGOI_110415MIEP9056.E2	15-APR-2011	14:26:17.200
EGOI_110415MIEP9083.E2	15-APR-2011	16:02:35.790
EGOI_110415MSEP4067.E2	15-APR-2011	00:23:39.029
EGOI_110415MSEP4095.E2	15-APR-2011	11:02:03.948
EGOI_110415MSEP4122.E2	15-APR-2011	12:41:25.555
EGOI_110415MSEP4153.E2	15-APR-2011	22:11:00.554
EGOI_110415SGEP2771.E2	15-APR-2011	02:47:45.914
EGOI_110415SGEP2778.E2	15-APR-2011	04:28:01.523
EGOI_110415SGEP2786.E2	15-APR-2011	17:03:00.159

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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	83566	15-APR-2011	01:09:53.597	01:22:58.578	784.98100
MM	83566	15-APR-2011	01:21:48.926	01:31:53.602	604.67600
BE	83567	15-APR-2011	02:27:47.391	02:40:45.647	778.25600
MM	83567	15-APR-2011	03:04:37.148	03:12:22.929	465.78100
CM	83567	15-APR-2011	03:35:26.863	03:47:17.372	710.50900
BE	83568	15-APR-2011	04:07:29.941	04:19:17.898	707.95700
MM	83568	15-APR-2011	04:47:38.914	04:53:33.726	354.81200
MM	83569	15-APR-2011	06:29:36.891	06:36:03.220	386.32900
MM	83570	15-APR-2011	08:10:26.931	08:19:08.231	521.30000
JO	83570	15-APR-2011	07:47:32.308	08:02:11.958	879.65000
MM	83571	15-APR-2011	09:50:47.587	10:01:36.804	649.21700

MA	83571	15-APR-2011	09:11:10.089	09:23:42.546	752.45700
JO	83571	15-APR-2011	09:28:12.126	09:40:27.177	735.05100
MM	83572	15-APR-2011	11:30:53.022	11:43:02.447	729.42500
MM	83573	15-APR-2011	13:10:44.928	13:23:26.239	761.31100
HO	83574	15-APR-2011	15:00:05.207	15:09:12.160	546.95300
MM	83574	15-APR-2011	14:50:21.692	15:03:03.048	761.35600
GS	83574	15-APR-2011	14:12:25.206	14:21:48.932	563.72600
SG	83574	15-APR-2011	15:13:31.606	15:27:18.843	827.23700
BE	83575	15-APR-2011	15:25:19.501	15:36:09.120	649.61900
MM	83575	15-APR-2011	16:29:42.149	16:42:15.013	752.86400
GS	83575	15-APR-2011	15:50:22.745	16:04:18.106	835.36100
SG	83575	15-APR-2011	16:55:47.670	17:03:12.172	444.50200
MM	83576	15-APR-2011	18:08:51.114	18:21:24.504	753.39000
MI	83576	15-APR-2011	17:38:02.796	17:45:06.793	423.99700
GS	83576	15-APR-2011	17:30:27.137	17:41:48.043	680.90600
MM	83577	15-APR-2011	19:48:03.792	20:00:45.818	762.02600
MA	83577	15-APR-2011	18:53:07.928	18:57:26.266	258.33800
JO	83577	15-APR-2011	20:07:39.149	20:21:58.386	859.23700
MM	83578	15-APR-2011	21:27:43.165	21:40:23.556	760.39100
JO	83578	15-APR-2011	21:47:17.717	22:00:30.490	792.77300
HO	83579	15-APR-2011	22:59:14.272	23:12:37.773	803.50100
MM	83579	15-APR-2011	23:08:11.004	23:20:16.493	725.48900
MA	83579	15-APR-2011	22:08:21.728	22:18:10.477	588.74900

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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

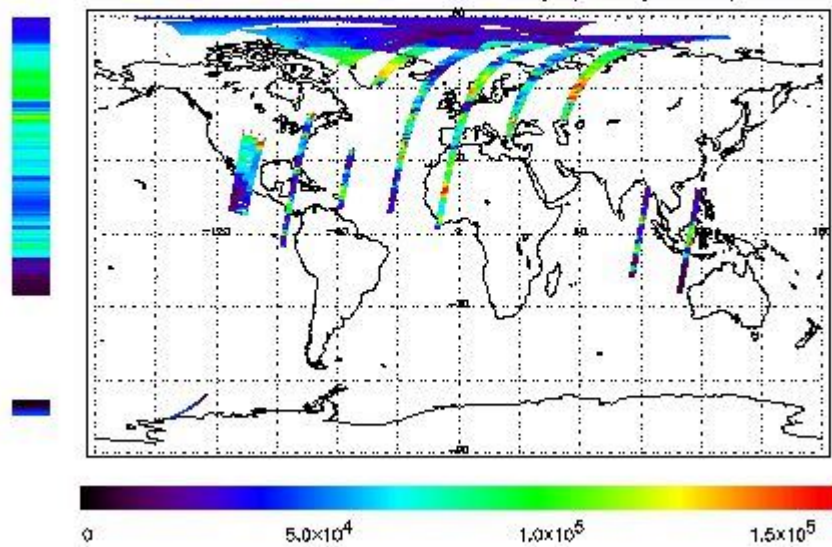
2.2 - Daily Plots

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 : 15-APR-2011 00:23:30.020 : ORBIT : 83566.0777
 Last Product : 15-APR-2011 22:33:44.190 : ORBIT : 83579.2994
 Total Products Processed : 14667 Day : 105 Page : 21

778 nm Uncalibrated Intensity (Binary Units)

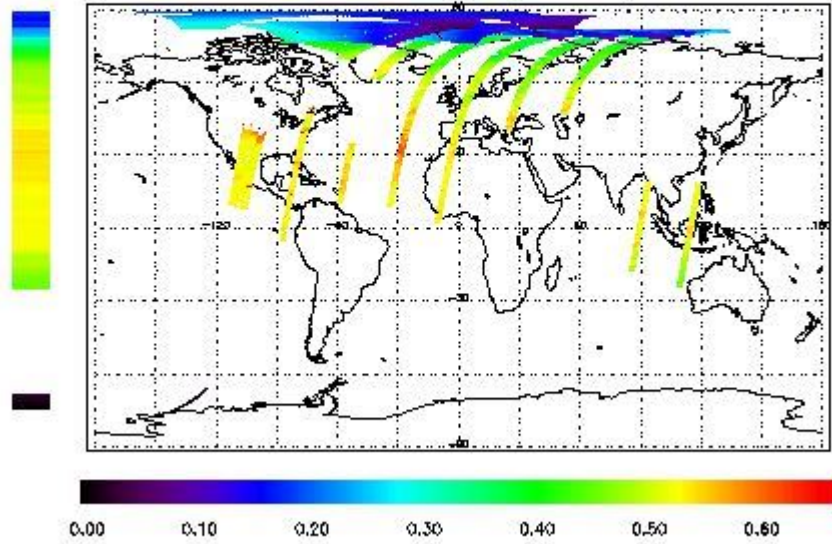


Ozone Line Ratio

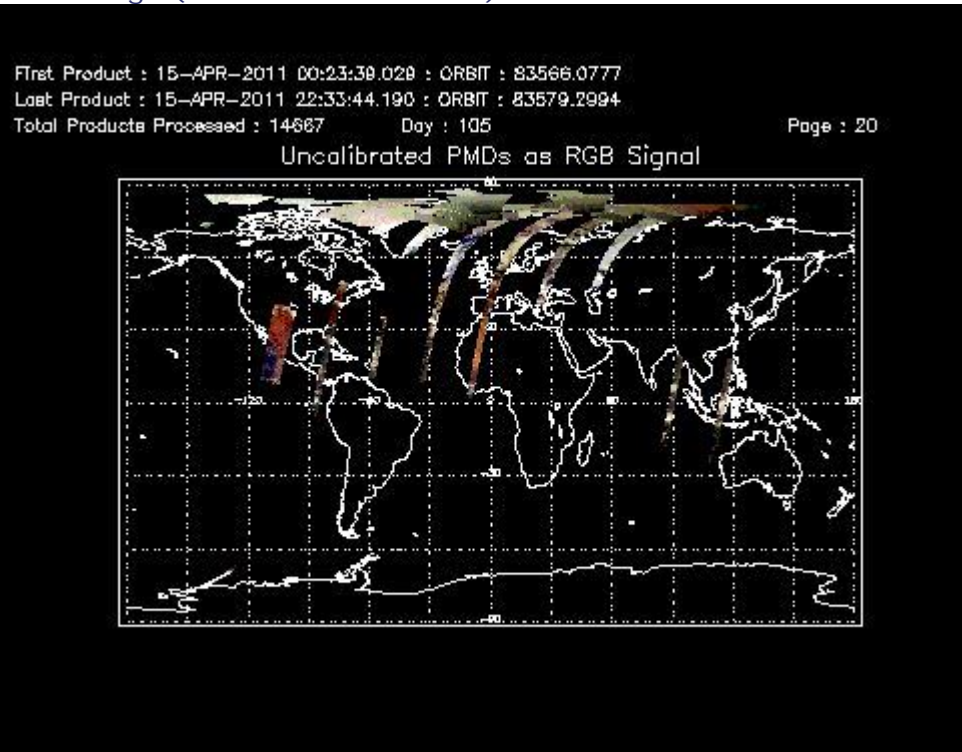
First Product : 15-APR-2011 00:23:30.020 : ORBIT : 83566.0777
 Last Product : 15-APR-2011 22:33:44.190 : ORBIT : 83579.2994
 Total Products Processed : 14667 Day : 105

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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)
D	17:26:28.807	--	83576	Yes	--	15108

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
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5.5 - Narrow Swath Timeline

Start Time	End Time	Start Orbit	End Orbit
19:00	17:00	83563	83756

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