

GOME Daily Report

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1 - General Info

1.1 - Report Summary

Item	Value
Report Version	GOMEver3_3
Report of Day	28-APR-2011
Start Time of First Product	23:49:30
Stop Time of Last Product	23:40:01
Number of EGOI Products analysed	35
Number of corrupted products	--
Anomalies and/or Special Operations	Quartely calibration performed, start orbit 83763, Nadir Static View, orbits: 83760-83761

1.2 - List of received products

Name	Date	Time
EGOI_110428CMEP6080.E2	28-APR-2011	03:09:53.765
EGOI_110428CMEP6088.E2	28-APR-2011	04:51:07.882
EGOI_110428CMEP6096.E2	28-APR-2011	15:32:49.321
EGOI_110428CMEP6105.E2	28-APR-2011	17:11:13.923
EGOI_110428GSEP0888.E2	28-APR-2011	01:37:12.699
EGOI_110428GSEP0918.E2	28-APR-2011	03:15:13.300
EGOI_110428GSEP0928.E2	28-APR-2011	04:57:52.929
EGOI_110428HLEP0047.E2	28-APR-2011	00:43:52.871
EGOI_110428KSEP7422.E2	28-APR-2011	06:56:19.152

EGOI_110428KSEP7450.E2	28-APR-2011	08:36:07.766
EGOI_110428KSEP7471.E2	28-APR-2011	10:15:39.873
EGOI_110428KSEP7500.E2	28-APR-2011	11:55:01.482
EGOI_110428KSEP7523.E2	28-APR-2011	13:33:57.593
EGOI_110428KSEP7544.E2	28-APR-2011	15:12:26.692
EGOI_110428KSEP7559.E2	28-APR-2011	16:49:52.794
EGOI_110428KSEP7574.E2	28-APR-2011	18:27:26.393
EGOI_110428KSEP7581.E2	28-APR-2011	20:06:31.499
EGOI_110428KSEP7598.E2	28-APR-2011	21:47:20.118
EGOI_110428KSEP7614.E2	28-APR-2011	23:30:19.251
EGOI_110428MAEP6216.E2	28-APR-2011	08:44:04.816
EGOI_110428MAEP6231.E2	28-APR-2011	10:23:03.918
EGOI_110428MAEP6242.E2	28-APR-2011	19:59:52.455
EGOI_110428MAEP6262.E2	28-APR-2011	21:39:11.066
EGOI_110428MIEP0281.E2	28-APR-2011	03:10:13.265
EGOI_110428MIEP0306.E2	28-APR-2011	04:51:31.886
EGOI_110428MIEP0333.E2	28-APR-2011	15:29:31.301
EGOI_110428MIEP0361.E2	28-APR-2011	17:09:19.911
EGOI_110428MSEP5638.E2	27-APR-2011	23:49:30.038
EGOI_110428MSEP5663.E2	28-APR-2011	10:30:08.463
EGOI_110428MSEP5692.E2	28-APR-2011	12:07:58.565
EGOI_110428MSEP5713.E2	28-APR-2011	21:39:27.571
EGOI_110428MSEP5745.E2	28-APR-2011	23:16:01.161
EGOI_110428SGEP3066.E2	28-APR-2011	02:15:15.929
EGOI_110428SGEP3073.E2	28-APR-2011	03:52:13.523
EGOI_110428SGEP3081.E2	28-APR-2011	14:49:47.559

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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	83752	28-APR-2011	01:01:10.969	01:14:35.850	804.88100
MM	83752	28-APR-2011	01:13:02.613	01:23:17.801	615.18800
MS	83752	28-APR-2011	00:07:04.287	00:18:47.235	702.94800
KS	83752	28-APR-2011	00:25:42.628	00:27:23.584	100.95600
BE	83753	28-APR-2011	02:19:21.778	02:32:03.908	762.13000
MM	83753	28-APR-2011	02:55:46.940	03:03:45.040	478.10000
BE	83754	28-APR-2011	03:58:51.494	04:11:03.559	732.06500
MM	83754	28-APR-2011	04:38:50.572	04:44:50.585	360.01300

MM	83755	28-APR-2011	06:20:55.814	06:27:13.444	377.63000
MI	83755	28-APR-2011	05:11:27.400	05:16:34.161	306.76100
MM	83756	28-APR-2011	08:01:49.876	08:10:18.833	508.95700
JO	83756	28-APR-2011	07:39:11.658	07:53:35.769	864.11100
MM	83757	28-APR-2011	09:42:12.203	09:52:52.119	639.91600
JO	83757	28-APR-2011	09:19:17.254	09:32:14.264	777.01000
MM	83758	28-APR-2011	11:22:18.789	11:34:23.378	724.58900
MM	83759	28-APR-2011	13:02:11.900	13:14:52.032	760.13200
HO	83760	28-APR-2011	14:51:19.939	15:01:02.252	582.31300
MM	83760	28-APR-2011	14:41:50.040	14:54:32.064	762.02400
GS	83760	28-APR-2011	14:04:17.490	14:12:37.035	499.54500
BE	83761	28-APR-2011	15:16:24.770	15:27:51.536	686.76600
MM	83761	28-APR-2011	16:21:11.841	16:33:45.225	753.38400
GS	83761	28-APR-2011	15:41:52.423	15:55:44.412	831.98900
SG	83761	28-APR-2011	16:46:30.211	16:55:31.986	541.77500
MM	83762	28-APR-2011	18:00:21.345	18:12:54.212	752.86700
GS	83762	28-APR-2011	17:21:48.514	17:33:37.441	708.92700
MM	83763	28-APR-2011	19:39:32.859	19:52:14.216	761.35700
MA	83763	28-APR-2011	18:44:46.008	18:48:51.801	245.79300
JO	83763	28-APR-2011	19:59:17.787		

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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 Temperatures 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

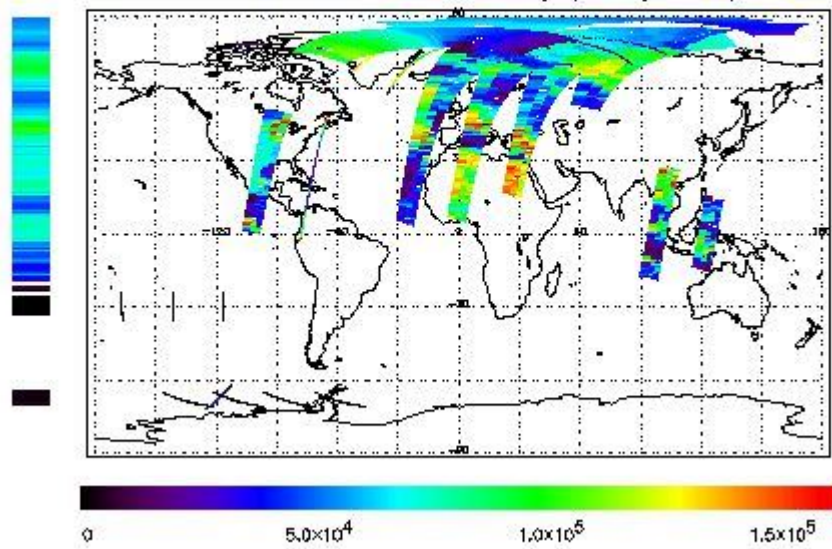
2.2 - Daily Plots

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 : 27-APR-2011 23:48:30.038 : ORBIT : 83751.8238
 Last Product : 28-APR-2011 23:40:01.305 : ORBIT : 83786.0440
 Total Products Processed : 17055 Day : 118 Page : 21

778 nm Uncalibrated Intensity (Binary Units)

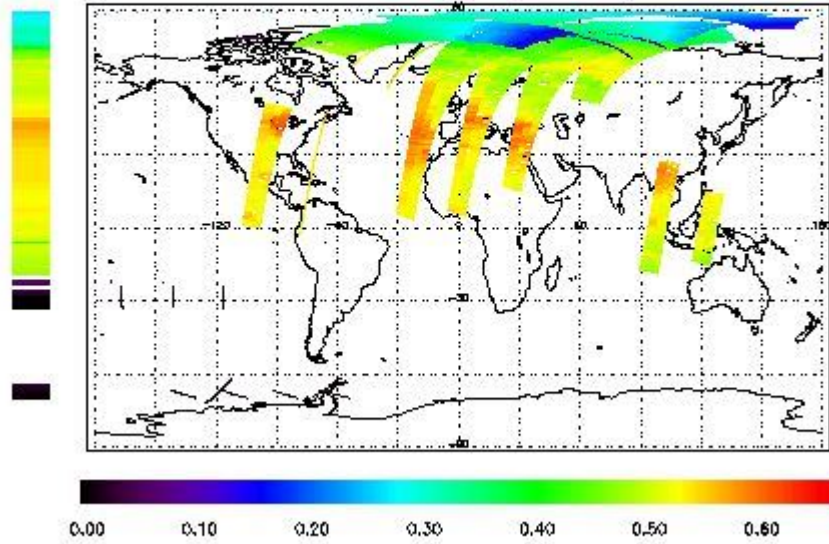


Ozone Line Ratio

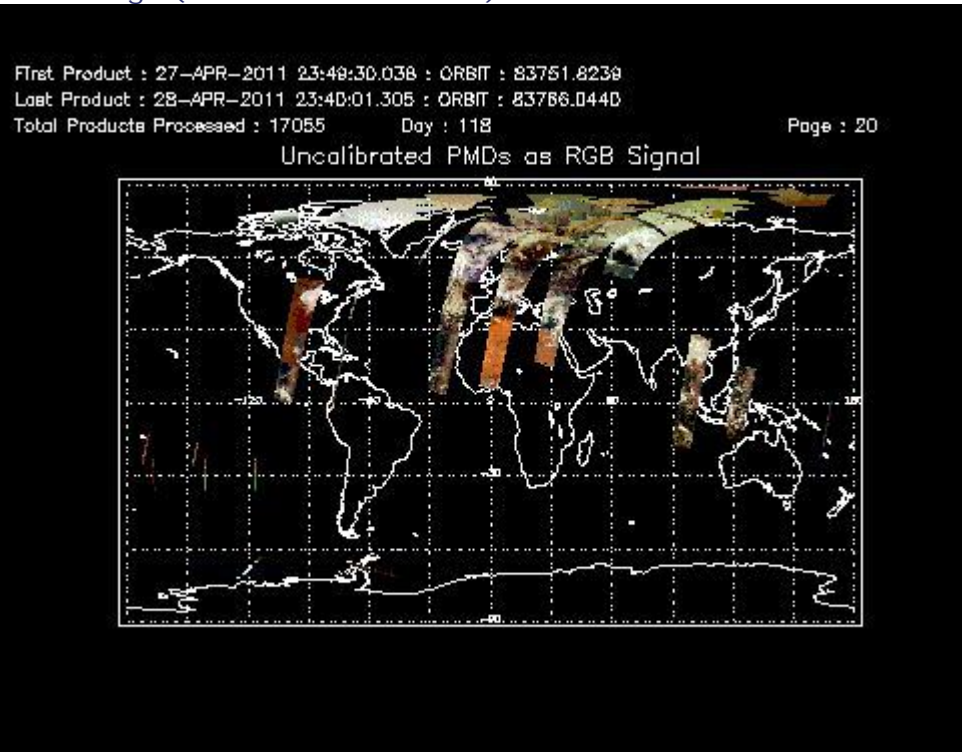
First Product : 27-APR-2011 23:49:30.038 : ORBIT : 83761.8239
 Last Product : 28-APR-2011 23:40:01.305 : ORBIT : 83766.0440
 Total Products Processed : 17055 Day : 118

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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	16:51:46.805	--	83761	Yes	--	14953

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	18:34:32	18:41:34	83763	No End	--	180.0	--
Q	19:59:52	20:02:52	83763	No Start	--	--	274

Q	20:15:00	20:15:15	83764	Y	--	--	275
Q	21:39:28	21:43:20	83764	No Start	--	--	276
Q	21:55:26	21:55:42	83764	Y	--	--	277
Q	23:16:01	23:23:50	83765	No Start	--	--	278
Q	23:35:54	23:36:10	83765	Y	--	--	279

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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