

GOME Daily Report

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1 - General Info

1.1 - Report Summary

Item	Value
Report Version	GOMEver3_3
Report of Day	08-APR-2011
Start Time of First Product	00:59:12
Stop Time of Last Product	23:06:53
Number of EGOI Products analysed	36
Number of corrupted products	--
Anomalies and/or Special Operations	Nominal Data

1.2 - List of received products

Name	Date	Time
EGOI_110408CMEP5553.E2	08-APR-2011	02:39:00.624
EGOI_110408CMEP5560.E2	08-APR-2011	04:16:53.726
EGOI_110408CMEP5571.E2	08-APR-2011	15:01:32.166
EGOI_110408CMEP5576.E2	08-APR-2011	16:37:37.254
EGOI_110408GSEP9339.E2	08-APR-2011	01:05:13.550
EGOI_110408GSEP9371.E2	08-APR-2011	02:41:50.140
EGOI_110408GSEP9400.E2	08-APR-2011	04:22:58.261
EGOI_110408GSEP9407.E2	08-APR-2011	06:05:04.886
EGOI_110408KSEP3454.E2	08-APR-2011	06:23:10.991

EGOI_110408KSEP3479.E2	08-APR-2011	08:02:59.610
EGOI_110408KSEP3505.E2	08-APR-2011	09:42:25.712
EGOI_110408KSEP3528.E2	08-APR-2011	11:21:56.327
EGOI_110408KSEP3545.E2	08-APR-2011	13:00:56.935
EGOI_110408KSEP3553.E2	08-APR-2011	14:39:38.032
EGOI_110408KSEP3567.E2	08-APR-2011	16:17:14.632
EGOI_110408KSEP3595.E2	08-APR-2011	17:54:57.226
EGOI_110408KSEP3627.E2	08-APR-2011	19:33:05.330
EGOI_110408KSEP3650.E2	08-APR-2011	21:13:05.941
EGOI_110408KSEP3659.E2	08-APR-2011	22:56:29.074
EGOI_110408MAEP4985.E2	08-APR-2011	08:11:29.655
EGOI_110408MAEP5007.E2	08-APR-2011	09:49:54.263
EGOI_110408MAEP5029.E2	08-APR-2011	21:05:29.895
EGOI_110408MAEP5041.E2	08-APR-2011	22:48:30.527
EGOI_110408MIEP8284.E2	08-APR-2011	02:37:53.116
EGOI_110408MIEP8313.E2	08-APR-2011	04:16:52.226
EGOI_110408MIEP8339.E2	08-APR-2011	14:57:09.639
EGOI_110408MIEP8369.E2	08-APR-2011	16:35:26.742
EGOI_110408MSEP3257.E2	08-APR-2011	00:59:12.019
EGOI_110408MSEP3272.E2	08-APR-2011	09:58:25.816
EGOI_110408MSEP3301.E2	08-APR-2011	11:34:57.902
EGOI_110408MSEP3325.E2	08-APR-2011	13:15:37.521
EGOI_110408MSEP3348.E2	08-APR-2011	22:43:07.996
EGOI_110408SGEP2604.E2	08-APR-2011	03:23:24.898
EGOI_110408SGEP2612.E2	08-APR-2011	05:01:34.491
EGOI_110408SGEP2618.E2	08-APR-2011	14:15:52.889
EGOI_110408SGEP2624.E2	08-APR-2011	15:53:27.988

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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	83465	07-APR-2011	23:49:30.006	00:03:57.671	867.66500
MM	83465	08-APR-2011	00:00:14.942	00:11:43.834	688.89200
HO	83466	08-APR-2011	01:30:34.563	01:42:23.042	708.47900
MM	83466	08-APR-2011	01:42:18.689	01:51:57.641	578.95200
BE	83467	08-APR-2011	02:47:32.343	03:00:53.105	800.76200
MM	83467	08-APR-2011	03:25:14.754	03:32:32.468	437.71400
BE	83468	08-APR-2011	04:27:45.143	04:38:20.589	635.44600

MM	83468	08-APR-2011	05:08:09.540	05:13:56.967	347.42700
MM	83469	08-APR-2011	06:49:50.806	06:56:40.287	409.48100
CM	83469	08-APR-2011	05:38:35.534	05:42:40.508	244.97400
JO	83469	08-APR-2011	06:31:59.943	06:40:22.497	502.55400
MM	83470	08-APR-2011	08:30:32.651	08:39:42.282	549.63100
JO	83470	08-APR-2011	08:07:10.618	08:22:10.394	899.77600
MM	83471	08-APR-2011	10:10:49.740	10:21:59.205	669.46500
JO	83471	08-APR-2011	09:49:22.541	09:59:18.319	595.77800
HO	83472	08-APR-2011	12:00:13.469	12:13:34.692	801.22300
MM	83472	08-APR-2011	11:50:52.516	12:03:11.827	739.31100
MA	83472	08-APR-2011	11:10:48.238	11:20:04.980	556.74200
HO	83473	08-APR-2011	13:39:14.261	13:53:43.826	869.56500
MM	83473	08-APR-2011	13:30:41.561	13:43:24.723	763.16200
BE	83474	08-APR-2011	14:04:08.724	14:17:33.421	804.69700
HO	83474	08-APR-2011	15:20:34.189	15:28:10.325	456.13600
MM	83474	08-APR-2011	15:10:15.063	15:22:54.661	759.59800
GS	83474	08-APR-2011	14:31:40.464	14:42:40.361	659.89700
BE	83475	08-APR-2011	15:46:27.013	15:55:15.536	528.52300
MM	83475	08-APR-2011	16:49:32.527	17:02:04.495	751.96800
GS	83475	08-APR-2011	16:10:16.278	16:24:09.138	832.86000
MM	83476	08-APR-2011	18:28:40.683	18:41:15.552	754.86900
GS	83476	08-APR-2011	17:50:41.615	18:00:43.19	

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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

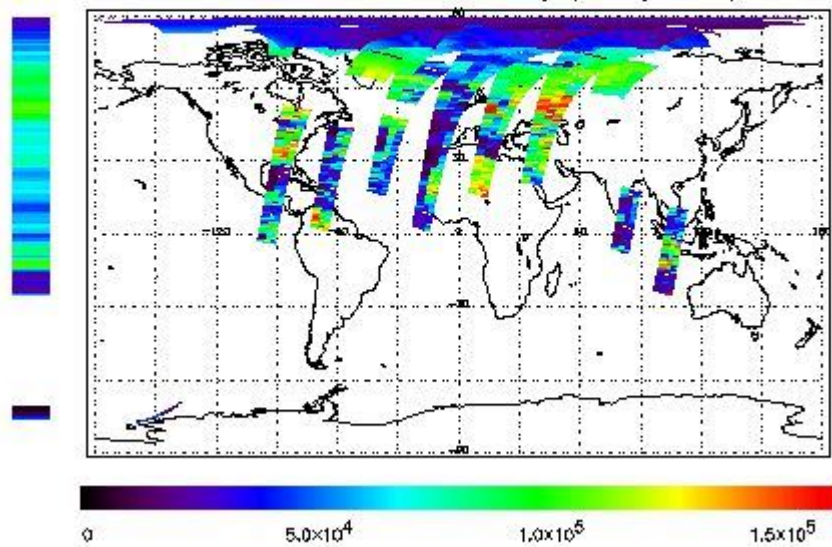
2.2 - Daily Plots

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

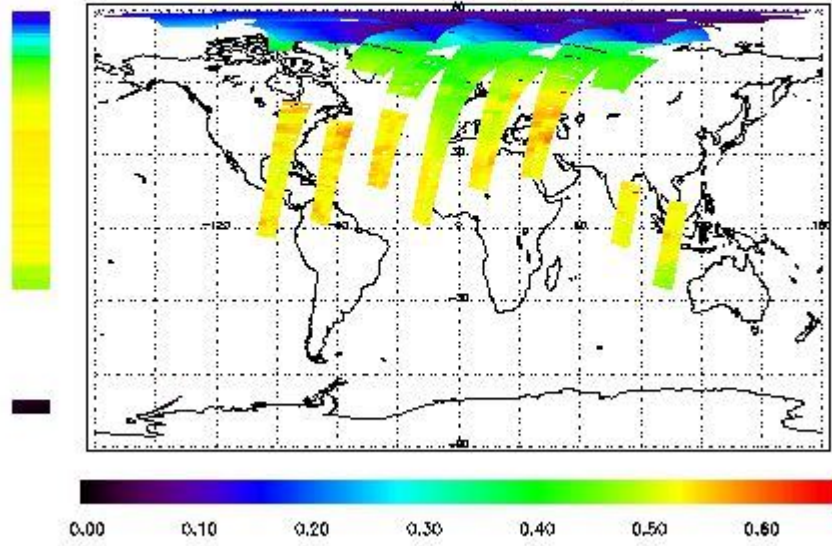
First Product : 08-APR-2011 00:59:12.019 : ORBIT : 83466.2311
 Last Product : 08-APR-2011 23:08:53.138 : ORBIT : 83479.4289
 Total Products Processed : 18435 Day : 98 Page : 21

778 nm Uncalibrated Intensity (Binary Units)

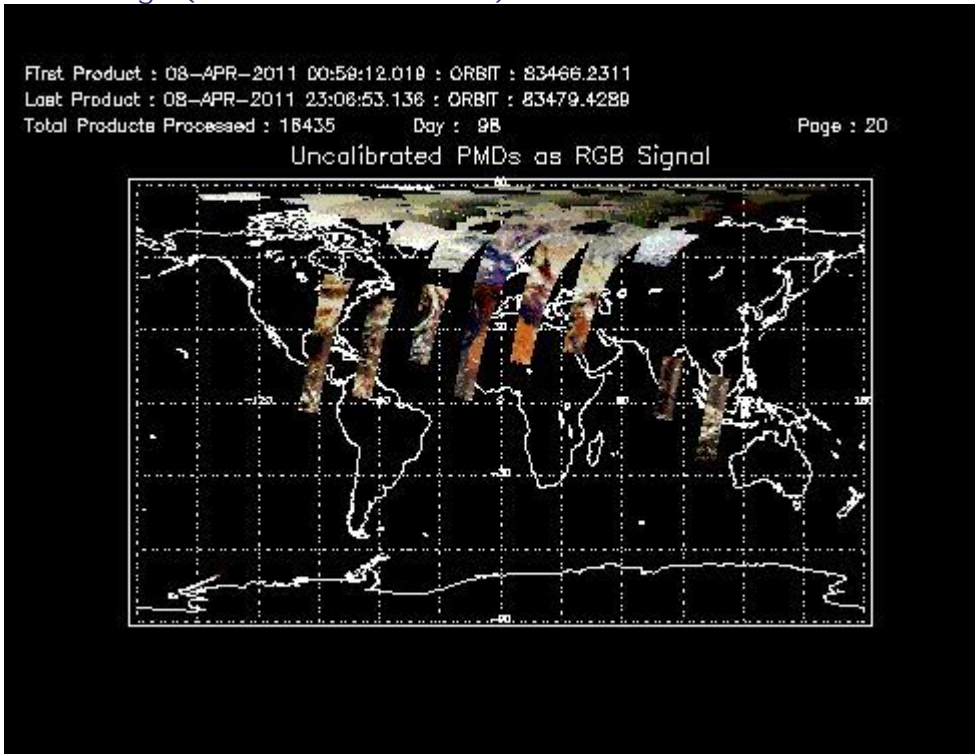


Ozone Line Ratio

First Product : 08-APR-2011 00:59:12.010 : ORBIT : 83466.2311
 Last Product : 08-APR-2011 23:06:53.136 : ORBIT : 83479.4289
 Total Products Processed : 18435 Day : 98 Page : 20
 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	18:00:40.761	--	83476	Yes	--	15173

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
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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