

GOME Daily Report

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1 - General Info

1.1 - Report Summary

Item	Value
Report Version	GOMEver3_3
Report of Day	04-JAN-2010
Start Time of First Product	00:00:00
Stop Time of Last Product	23:15:36
Number of EGOI Products analysed	37
Number of corrupted products	0
Anomalies and/or Special Operations	Narrow Swath Timeline executed as planned, start orbit 76904; missing KS data including solar calibration

1.2 - List of received products

Name	Date	Time
OI_100104BEEP1556.E2;1	04-JAN-2010	03:15:31.225
EGOI_100104CMEP6019.E2	04-JAN-2010	15:08:40.868
EGOI_100104CMEP6025.E2	04-JAN-2010	16:45:54.972
EGOI_100104KSEP3252.E2	04-JAN-2010	06:30:30.923
EGOI_100104KSEP3261.E2	04-JAN-2010	14:47:33.242
EGOI_100104KSEP3272.E2	04-JAN-2010	16:25:12.842
EGOI_100104KSEP3299.E2	04-JAN-2010	18:03:17.947
EGOI_100104KSEP3330.E2	04-JAN-2010	19:41:21.555
EGOI_100104KSEP3357.E2	04-JAN-2010	21:21:49.175

EGOI_100104KSEP3382.E2	04-JAN-2010	23:04:36.311
EGOI_100104MAEP7526.E2	04-JAN-2010	09:57:33.700
EGOI_100104MAEP7549.E2	04-JAN-2010	21:14:11.628
EGOI_100104MIEP9403.E2	04-JAN-2010	02:45:13.033
EGOI_100104MIEP9431.E2	04-JAN-2010	04:24:37.652
EGOI_100104MIEP9457.E2	04-JAN-2010	15:05:21.348
EGOI_100104MIEP9485.E2	04-JAN-2010	16:44:18.964
EGOI_100104MMEP2592.E2	04-JAN-2010	07:16:43.213
EGOI_100104MMEP2600.E2	04-JAN-2010	08:57:34.839
EGOI_100104MMEP2608.E2	04-JAN-2010	10:38:00.959
EGOI_100104MMEP2616.E2	04-JAN-2010	12:18:01.578
EGOI_100104MMEP2624.E2	04-JAN-2010	13:57:43.429
EGOI_100104MMEP2630.E2	04-JAN-2010	15:37:15.545
EGOI_100104MMEP2637.E2	04-JAN-2010	17:17:16.163
EGOI_100104MSEP0006.E2	04-JAN-2010	11:42:38.859
EGOI_100104MSEP0021.E2	04-JAN-2010	10:05:53.259
EGOI_100104MSEP0043.E2	04-JAN-2010	13:23:58.221
EGOI_100104MSEP0072.E2	02-JAN-2010	23:54:33.081
EGOI_100104MSEP0091.E2	03-JAN-2010	10:35:37.043
EGOI_100104MSEP0119.E2	03-JAN-2010	12:14:01.652
EGOI_100104MSEP0138.E2	03-JAN-2010	21:45:38.187
EGOI_100104MSEP0167.E2	03-JAN-2010	23:22:46.288
EGOI_100104MSEP0182.E2	04-JAN-2010	21:17:02.648
EGOI_100104MSEP0209.E2	04-JAN-2010	22:51:15.229
EGOI_100104SGEP2668.E2	04-JAN-2010	03:28:59.807
EGOI_100104SGEP2673.E2	04-JAN-2010	05:08:52.922
EGOI_100104SGEP2680.E2	04-JAN-2010	14:23:24.093
EGOI_100104SGEP2684.E2	04-JAN-2010	16:01:45.701

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1.3 - List of data gaps

Station	Orbit	Date	Start Time	Stop Time	Duration (s)
KS	76904	04-JAN-2010	14:45:06.040	14:47:33.241	147.20100
KS	76905	04-JAN-2010	16:22:46.000	16:25:12.841	146.84100
KS	76906	04-JAN-2010	18:00:34.579	18:03:17.947	163.36800
KS	76907	04-JAN-2010	19:39:22.648	19:41:21.554	118.90600
KS	76908	04-JAN-2010	21:19:55.494	21:21:49.175	113.68100
KS	76909	04-JAN-2010	23:02:52.821	23:04:36.310	103.48900
MS	76909	04-JAN-2010	22:49:29.173	22:51:15.228	106.05500
MA	76908	04-JAN-2010	21:11:40.299	21:14:11.627	151.32800
MI	76904	04-JAN-2010	15:03:10.536	15:05:21.347	130.81100
MI	76905	04-JAN-2010	16:42:00.858	16:44:18.964	138.10600

MM	76903	04-JAN-2010	13:56:19.165	13:57:43.428	84.263000
MM	76904	04-JAN-2010	15:35:48.418	15:37:15.544	87.126000
MM	76905	04-JAN-2010	17:15:02.437	17:17:16.162	133.72500
SG	76897	04-JAN-2010	03:24:04.568	03:28:59.807	295.23900
SG	76897	04-JAN-2010	03:33:19.333	03:37:57.358	278.02500
SG	76903	04-JAN-2010	14:21:19.023	14:23:24.093	125.07000
SG	76904	04-JAN-2010	15:59:08.749	16:01:45.700	156.95100
CM	76905	04-JAN-2010	16:44:31.344	16:45:54.972	83.628000

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1.4 - List of missing products

Station	Orbit	Date	Start Time	Stop Time	Duration (s)
HO	76895	04-JAN-2010	00:14:53.350	00:29:31.587	878.23700
MM	76895	04-JAN-2010	00:26:23.454	00:37:28.819	665.36500
HO	76896	04-JAN-2010	01:58:12.895	02:06:52.470	519.57500
MM	76896	04-JAN-2010	02:08:43.051	02:17:46.840	543.78900
GS	76896	04-JAN-2010	01:10:07.706	01:20:41.334	633.62800
MM	76897	04-JAN-2010	03:51:46.050	03:58:30.397	404.34700
GS	76897	04-JAN-2010	02:47:03.041	03:00:58.490	835.44900
CM	76897	04-JAN-2010	02:44:32.021	02:51:09.982	397.96100
CM	76897	04-JAN-2010	04:20:32.659	04:32:48.592	735.93300
BE	76898	04-JAN-2010	04:54:04.274	05:02:21.705	497.43100
MM	76898	04-JAN-2010	05:34:26.677	05:40:15.065	348.38800
GS	76898	04-JAN-2010	04:28:44.153	04:39:21.745	637.59200
JO	76899	04-JAN-2010	06:55:33.910	07:07:10.520	696.61000
KS	76900	04-JAN-2010	08:08:04.612	08:20:28.096	743.48400
MA	76900	04-JAN-2010	08:17:23.183	08:28:16.339	653.15600
JO	76900	04-JAN-2010	08:32:45.774	08:47:38.958	893.18400
KS	76901	04-JAN-2010	09:47:41.714	10:01:37.489	835.77500
KS	76902	04-JAN-2010	11:27:14.275	11:40:52.955	818.68000
MA	76902	04-JAN-2010	11:37:06.349	11:44:17.139	430.79000
KS	76903	04-JAN-2010	13:06:24.643	13:18:54.912	750.26900
SG	76903	04-JAN-2010	14:21:19.023	14:31:59.528	640.50500
BE	76904	04-JAN-2010	14:29:49.002	14:43:02.857	793.85500
GS	76904	04-JAN-2010	14:56:46.009	15:09:28.272	762.26300
GS	76905	04-JAN-2010	16:35:56.094	16:49:25.265	809.17100

MM	76906	04-JAN-2010	18:54:10.574	19:06:47.732	757.15800
GS	76906	04-JAN-2010	18:16:57.031	18:24:37.769	460.73800
JO	76906	04-JAN-2010	19:15:40.488	19:25:29.040	588.55200
MM	76907	04-JAN-2010	20:33:32.465	20:46:16.467	764.00200
MA	76907	04-JAN-2010	19:33:20.531	19:45:07.507	706.97600
JO	76907	04-JAN-2010	20:52:45.117	21:07:45.237	900.12000
HO	76908	04-JAN-2010	22:07:17.690	22:18:02.330	644.64000
MM	76908	04-JAN-2010	22:13:31.656	22:26:01.439	749.78300
JO	76908	04-JAN-2010	22:34:29.854	22:43:00.450	510.59600
HO	76909	04-JAN-2010	23:43:52.512	23:58:16.070	863.55800
MM	76909	04-JAN-2010	23:54:26.978	00:06:00.622	693.64400

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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

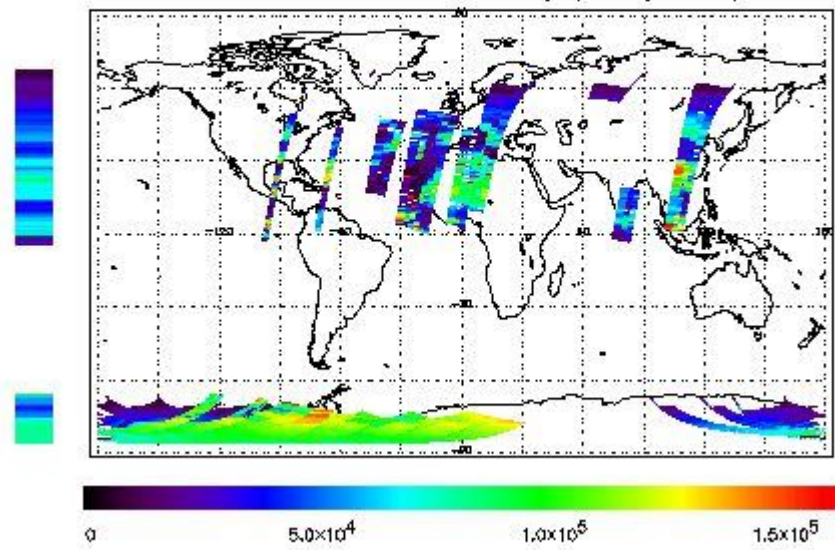
2.2 - Daily Plots

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 : 03-JAN-2010 00:00:00.120 : ORBIT : 76881.0712
 Last Product : 04-JAN-2010 23:15:36.377 : ORBIT : 76909.2584
 Total Products Processed : 16788 Day : 4 Page : 21

778 nm Uncalibrated Intensity (Binary Units)

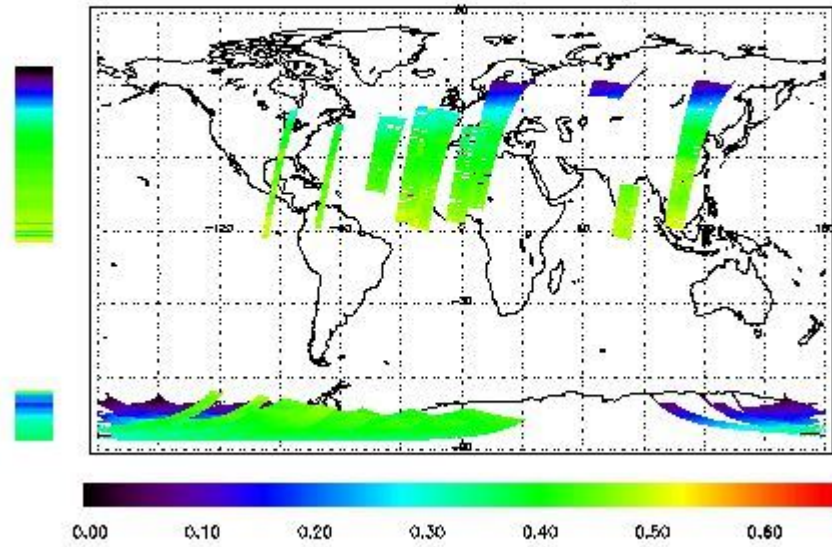


Ozone Line Ratio

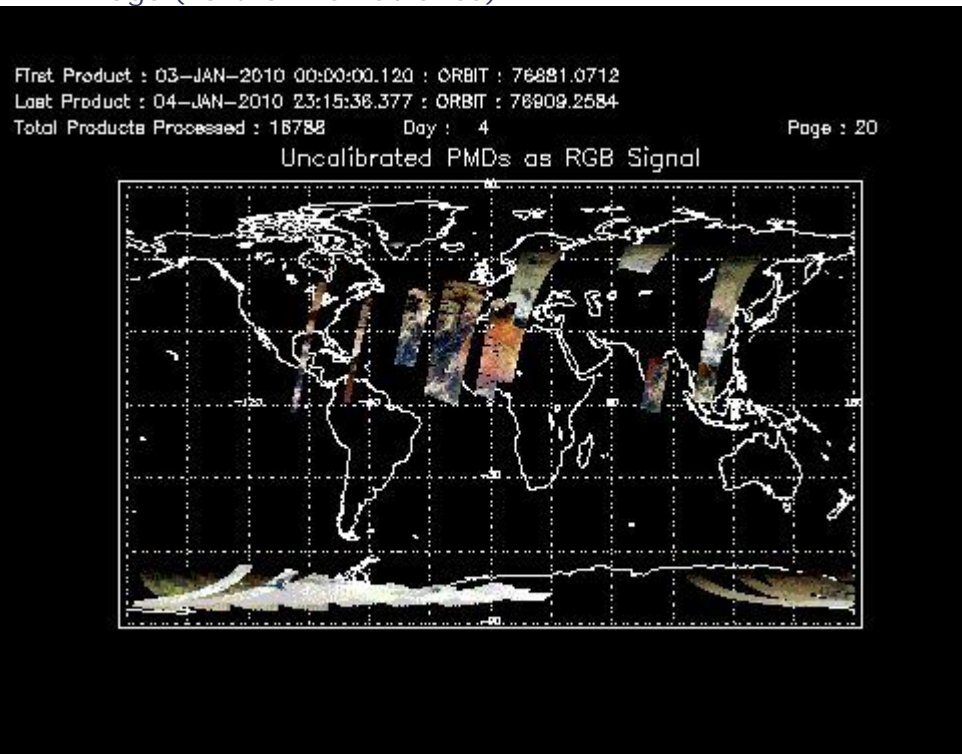
First Product : 03-JAN-2010 00:00:00.120 : ORBIT : 76881.0712
 Last Product : 04-JAN-2010 23:15:36.377 : ORBIT : 76909.2584
 Total Products Processed : 18788 Day : 4

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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)
--	--	--	notavailable	Yes	--	--

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
--	--	--	--	--

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
15:00	00:00	76904	76909

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