

GOME Daily Report

INDEX

1. [General Info](#)
 - 1.1 [Report Summary](#)
 - 1.2 [List of received products](#)
 - 1.3 [List of data gaps](#)
 - 1.4 [List of missing products](#)
 - 1.5 [List of corrupted products](#)
2. [Instrument Indicators and Daily Plots](#)
 - 2.1 [Instrument Indicators Status](#)
 - 2.2 [Daily Plots](#)
3. [Instrument Calibration](#)
 - 3.1 [Solar Calibration \(daily/TST44\)](#)
 - 3.2 [Lamp Calibration \(quarterly/TST44\)](#)
4. [Instrument Anomalies](#)
 - 4.1 [Single Event Upset \(SEU\)](#)
 - 4.2 [Instrument Off](#)
 - 4.3 [Cooler Switchings](#)
5. [Instrument Operations](#)
 - 5.1 [Timeline Interruptions](#)
 - 5.2 [TST44](#)
 - 5.3 [Power Cycle](#)
 - 5.4 [Wrong Command Execution](#)
 - 5.5 [Narrow Swath Timeline](#)
 - 5.6 [Seasonal Operations](#)

1 - General Info

1.1 - Report Summary

Item	Value
Report Version	GOMEver3_3
Report of Day	24-JAN-2009
Start Time of First Product	00:35:46
Stop Time of Last Product	22:47:04
Number of EGOI Products analysed	29
Number of corrupted products	--
Anomalies and/or Special Operations	Narrow Swath performed as planned, start orbit: 77190

1.2 - List of received products

Name	Date	Time
EGOI_100124BEEP1746.E2	24-JAN-2010	04:27:26.920
EGOI_100124GSEP8093.E2	24-JAN-2010	02:20:32.141
EGOI_100124GSEP8118.E2	24-JAN-2010	04:00:56.756
EGOI_100124GSEP8125.E2	24-JAN-2010	05:43:28.886
EGOI_100124KSEP8602.E2	24-JAN-2010	07:41:29.619
EGOI_100124KSEP8625.E2	24-JAN-2010	09:21:30.239
EGOI_100124KSEP8652.E2	24-JAN-2010	11:01:08.351
EGOI_100124KSEP8680.E2	24-JAN-2010	12:40:25.994
EGOI_100124KSEP8689.E2	24-JAN-2010	14:19:20.610

EGOI_100124KSEP8699.E2	24-JAN-2010	15:57:07.710
EGOI_100124KSEP8712.E2	24-JAN-2010	17:35:05.319
EGOI_100124KSEP8741.E2	24-JAN-2010	19:12:55.423
EGOI_100124KSEP8771.E2	24-JAN-2010	20:52:47.040
EGOI_100124KSEP8797.E2	24-JAN-2010	22:34:53.672
EGOI_100124MAEP8183.E2	24-JAN-2010	09:29:16.786
EGOI_100124MAEP8194.E2	24-JAN-2010	11:08:50.402
EGOI_100124MIEP1226.E2	24-JAN-2010	02:18:00.625
EGOI_100124MIEP1247.E2	24-JAN-2010	03:56:10.232
EGOI_100124MIEP1264.E2	24-JAN-2010	14:38:16.228
EGOI_100124MIEP1290.E2	24-JAN-2010	16:15:31.824
EGOI_100124MIEP1306.E2	24-JAN-2010	17:59:05.464
EGOI_100124MSEP2532.E2	24-JAN-2010	00:35:46.494
EGOI_100124MSEP2557.E2	24-JAN-2010	11:14:15.933
EGOI_100124MSEP2581.E2	24-JAN-2010	12:54:14.082
EGOI_100124MSEP2613.E2	24-JAN-2010	22:23:34.101
EGOI_100124SGEP3168.E2	24-JAN-2010	03:04:12.904
EGOI_100124SGEP3175.E2	24-JAN-2010	04:40:42.003
EGOI_100124SGEP3181.E2	24-JAN-2010	13:57:12.969
EGOI_100124SGEP3187.E2	24-JAN-2010	15:32:48.062

[[BACK TO MENU](#)]

1.3 - List of data gaps

Station	Orbit	Date	Start Time	Stop Time	Duration (s)
KS	77186	24-JAN-2010	07:39:39.029	07:41:29.619	110.59000
KS	77187	24-JAN-2010	09:19:13.654	09:21:30.239	136.58500
KS	77188	24-JAN-2010	10:58:49.286	11:01:08.350	139.06400
KS	77189	24-JAN-2010	12:38:07.944	12:40:25.993	138.04900
KS	77190	24-JAN-2010	14:16:58.793	14:19:20.610	141.81700
KS	77191	24-JAN-2010	15:54:48.260	15:57:07.710	139.45000
KS	77192	24-JAN-2010	17:32:42.984	17:35:05.319	142.33500
KS	77193	24-JAN-2010	19:10:59.560	19:12:55.423	115.86300
KS	77194	24-JAN-2010	20:50:59.151	20:52:47.039	107.88800
KS	77195	24-JAN-2010	22:33:09.667	22:34:53.671	104.00400
GS	77184	24-JAN-2010	03:59:04.243	04:00:56.756	112.51300
MS	77182	24-JAN-2010	00:34:04.810	00:35:46.494	101.68400
MS	77188	24-JAN-2010	11:11:53.485	11:14:15.932	142.44700
MS	77189	24-JAN-2010	12:51:59.856	12:54:14.081	134.22500
MS	77195	24-JAN-2010	22:21:42.515	22:23:34.100	111.58500
MA	77187	24-JAN-2010	09:27:21.835	09:29:16.785	114.95000

MI	77183	24-JAN-2010	02:15:51.661	02:18:00.625	128.96400
MI	77184	24-JAN-2010	03:53:18.517	03:56:10.232	171.71500
MI	77190	24-JAN-2010	14:36:13.807	14:38:16.227	122.42000
MI	77191	24-JAN-2010	16:13:18.837	16:15:31.823	132.98600
BE	77184	24-JAN-2010	04:24:50.998	04:27:26.919	155.92100
SG	77183	24-JAN-2010	02:56:04.401	03:04:12.904	488.50300
SG	77184	24-JAN-2010	04:36:30.702	04:40:42.003	251.30100
SG	77190	24-JAN-2010	15:30:28.627	15:32:48.062	139.43500

[[BACK TO MENU](#)]

1.4 - List of missing products

Station	Orbit	Date	Start Time	Stop Time	Duration (s)
O	77181	23-JAN-2010	23:46:41.146	00:01:06.907	865.76100
MM	77181	23-JAN-2010	23:57:20.931	00:08:52.221	691.29000
HO	77182	24-JAN-2010	01:27:36.482	01:39:37.588	721.10600
MM	77182	24-JAN-2010	01:39:22.866	01:49:05.589	582.72300
GS	77182	24-JAN-2010	00:43:25.573	00:51:35.803	490.23000
BE	77183	24-JAN-2010	02:44:42.660	02:58:01.417	798.75700
MM	77183	24-JAN-2010	03:22:17.928	03:29:39.569	441.64100
CM	77183	24-JAN-2010	03:52:10.772	04:04:29.723	738.95100
MM	77184	24-JAN-2010	05:05:13.936	05:11:01.992	348.05600
MM	77185	24-JAN-2010	06:46:57.542	06:53:43.504	405.96200
KS	77185	24-JAN-2010	06:00:56.056	06:06:04.012	307.95600
CM	77185	24-JAN-2010	05:35:14.635	05:40:19.319	304.68400
JO	77185	24-JAN-2010	06:29:27.686	06:37:19.848	472.16200
MM	77186	24-JAN-2010	08:27:40.462	08:36:46.099	545.63700
JO	77186	24-JAN-2010	08:04:21.441	08:19:19.692	898.25100
MM	77187	24-JAN-2010	10:07:58.036	10:19:04.735	666.69900
JO	77187	24-JAN-2010	09:46:18.585	09:56:38.897	620.31200
HO	77188	24-JAN-2010	11:57:24.817	12:10:38.135	793.31800
MM	77188	24-JAN-2010	11:48:01.190	12:00:19.207	738.01700
HO	77189	24-JAN-2010	13:36:22.914	13:50:57.621	874.70700
MM	77189	24-JAN-2010	13:27:50.650	13:40:33.620	762.97000
BE	77190	24-JAN-2010	14:01:18.841	14:14:42.897	804.05600
HO	77190	24-JAN-2010	15:17:38.211	15:25:29.830	471.61900
MM	77190	24-JAN-2010	15:07:24.621	15:20:04.482	759.86100

GS	77190	24-JAN-2010	14:28:54.356	14:39:54.514	660.15800
BE	77191	24-JAN-2010	15:43:23.803	15:52:33.439	549.63600
MM	77191	24-JAN-2010	16:46:42.498	16:59:14.565	752.06700
GS	77191	24-JAN-2010	16:07:25.545	16:21:19.627	834.08200
CM	77191	24-JAN-2010	16:16:07.373	16:28:28.680	741.30700
MM	77192	24-JAN-2010	18:25:50.729	18:38:25.367	754.63800
GS	77192	24-JAN-2010	17:47:47.676	17:58:01.922	614.24600
CM	77192	24-JAN-2010	17:58:21.428	18:03:46.809	325.38100
MM	77193	24-JAN-2010	20:05:06.263	20:17:49.395	763.13200
MA	77193	24-JAN-2010	19:08:33.313	19:15:54.621	441.30800
JO	77193	24-JAN-2010	20:24:28.114	20:39:17.289	889.17500
MM	77194	24-JAN-2010	21:44:52.554	21:57:29.905	757.35100
MA	77194	24-JAN-2010	20:42:54.084	20:56:36.206	822.12200
JO	77194	24-JAN-2010	22:04:47.371	22:16:43.866	716.49500
HO	77195	24-JAN-2010	23:15:43.073	23:29:47.269	844.19600
MM	77195	24-JAN-2010	23:25:30.399	23:37:25.222	714.82300
MA	77195	24-JAN-2010	22:26:36.303	22:34:29.668	473.36500
HO	77181	23-JAN-2010	23:46:41.146	00:01:06.907	865.76100
MM	77181	23-JAN-2010	23:57:20.931	00:08:52.221	691.29000
HO	77182	24-JAN-2010	01:27:36.482	01:39:37.588	721.10600
MM	77182	24-JAN-2010	01:39:22.866	01:49:05.589	582.72300
GS	77182	24-JAN-2010	00:43:25.573	00:51:35.803	490.23000
BE	77183	24-JAN-2010	02:44:42.660	02:58:01.417	798.75700
MM	77183	24-JAN-2010	03:22:17.928	03:29:39.569	441.64100
CM	77183	24-JAN-2010	03:52:10.772	04:04:29.723	738.95100
MM	77184	24-JAN-2010	05:05:13.936	05:11:01.992	348.05600
MM	77185	24-JAN-2010	06:46:57.542	06:53:43.504	405.96200
KS	77185	24-JAN-2010	06:00:56.056	06:06:04.012	307.95600
CM	77185	24-JAN-2010	05:35:14.635	05:40:19.319	304.68400
JO	77185	24-JAN-2010	06:29:27.686	06:37:19.848	472.16200
MM	77186	24-JAN-2010	08:27:40.462	08:36:46.099	545.63700
JO	77186	24-JAN-2010	08:04:21.441	08:19:19.692	898.25100
MM	77187	24-JAN-2010	10:07:58.036	10:19:04.735	666.69900
JO	77187	24-JAN-2010	09:46:18.585	09:56:38.897	620.31200
HO	77188	24-JAN-2010	11:57:24.817	12:10:38.135	793.31800
MM	77188	24-JAN-2010	11:48:01.190	12:00:19.207	738.01700

HO	77189	24-JAN-2010	13:36:22.914	13:50:57.621	874.70700
MM	77189	24-JAN-2010	13:27:50.650	13:40:33.620	762.97000
BE	77190	24-JAN-2010	14:01:18.841	14:14:42.897	804.05600
HO	77190	24-JAN-2010	15:17:38.211	15:25:29.830	471.61900
MM	77190	24-JAN-2010	15:07:24.621	15:20:04.482	759.86100
GS	77190	24-JAN-2010	14:28:54.356	14:39:54.514	660.15800
BE	77191	24-JAN-2010	15:43:23.803	15:52:33.439	549.63600
MM	77191	24-JAN-2010	16:46:42.498	16:59:14.565	752.06700
GS	77191	24-JAN-2010	16:07:25.545	16:21:19.627	834.08200
CM	77191	24-JAN-2010	16:16:07.373	16:28:28.680	741.30700
MM	77192	24-JAN-2010	18:25:50.729	18:38:25.367	754.63800
GS	77192	24-JAN-2010	17:47:47.676	17:58:01.922	614.24600
CM	77192	24-JAN-2010	17:58:21.428	18:03:46.809	325.38100
MM	77193	24-JAN-2010	20:05:06.263	20:17:49.395	763.13200
MA	77193	24-JAN-2010	19:08:33.313	19:15:54.621	441.30800
JO	77193	24-JAN-2010	20:24:28.114	20:39:17.289	889.17500
MM	77194	24-JAN-2010	21:44:52.554	21:57:29.905	757.35100
MA	77194	24-JAN-2010	20:42:54.084	20:56:36.206	822.12200
JO	77194	24-JAN-2010	22:04:47.371	22:16:43.866	716.49500
HO	77195	24-JAN-2010	23:15:43.073	23:29:47.269	844.19600
MM	77195	24-JAN-2010	23:25:30.399	23:37:25.222	714.82300
MA	77195	24-JAN-2010	22:26:36.303	22:34:29.668	473.36500

[[BACK TO MENU](#)]

1.5 - List of corrupted products

Station	Orbit	Time
---------	-------	------

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

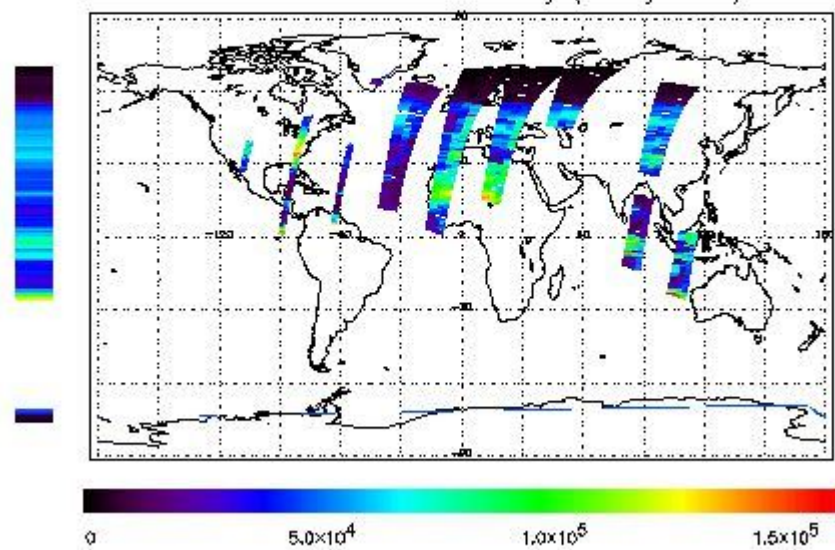
2.2 - Daily Plots

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 : 24-JAN-2010 00:35:46.494 : ORBIT : 77182.0268
 Last Product : 24-JAN-2010 22:47:04.248 : ORBIT : 77195.2605
 Total Products Processed : 13765 Day : 24 Page : 21

778 nm Uncalibrated Intensity (Binary Units)

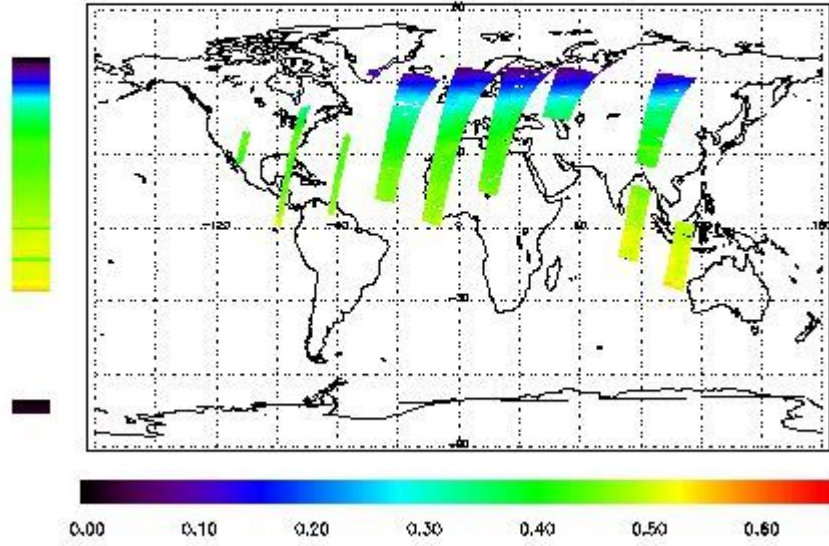


Ozone Line Ratio

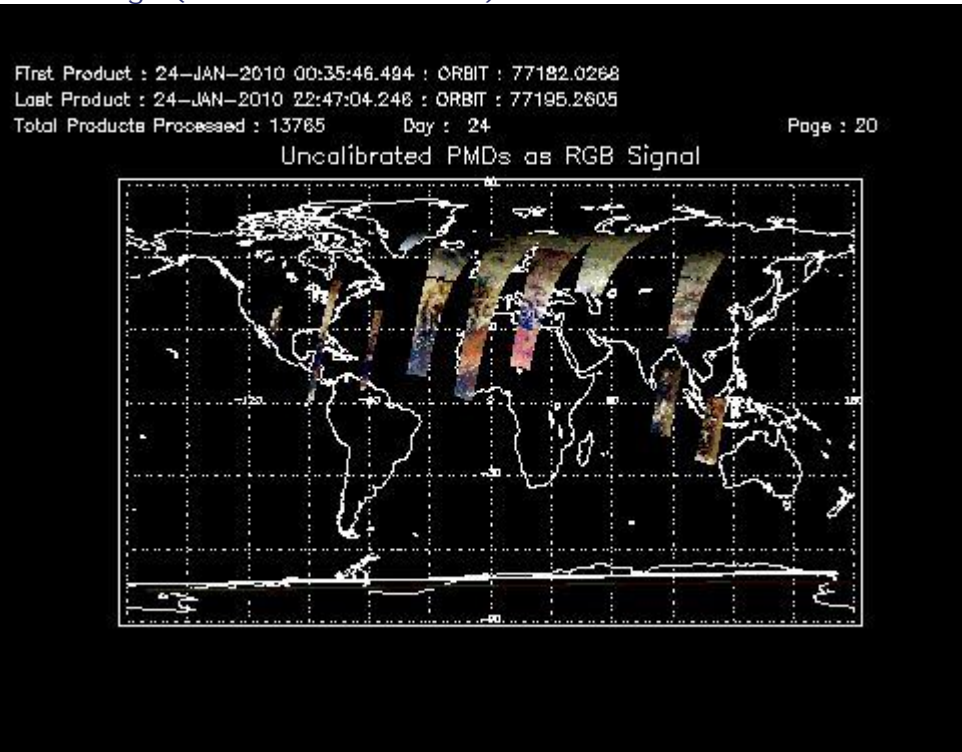
First Product : 24-JAN-2010 00:35:46.494 : ORBIT : 77182.0268
 Last Product : 24-JAN-2010 22:47:04.246 : ORBIT : 77195.2605
 Total Products Processed : 13765 Day : 24

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	12:46:24.537	--	77189	Yes	--	15505

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)
--	--	--	--	--	--	--	--

[BACK TO MENU]

4 - Instrument Anomalies

4.1 - Single Event Upset (SEU)

Start Time	End Time	Start Orbit	End Orbit	Ground Station Visibility
--	--	--	--	--

4.2 - Instrument Off

Start Time	End Time	Start Orbit	End Orbit	MPS Resumption	Ground Station Visibility
--	--	--	--	--	--

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
--	--	--	--	--	--	--	--	--

[BACK TO MENU]

5 - Instrument Operations

Additional Info

5.1 - Timeline Interruptions

Start Time	End Time	Start Orbit	End Orbit	Ground Station Visibility
--	--	--	--	--

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
--	--	--	--	--

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
14:00	--	77190	--

5.6 - Seasonal Operations

Start Time	End Time	Start Orbit	End Orbit
--	--	--	--

[[BACK TO MENU](#)]

(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