

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-2011
Start Time of First Product	01:12:11
Stop Time of Last Product	23:15:47
Number of EGOI Products analysed	34
Number of corrupted products	--
Anomalies and/or Special Operations	Narrow Swath performed as planned, start orbit: 82414

1.2 - List of received products

Name	Date	Time
EGOI_110124CMEP3440.E2	24-JAN-2011	02:45:30.022
EGOI_110124CMEP3447.E2	24-JAN-2011	04:24:30.633
EGOI_110124CMEP3457.E2	24-JAN-2011	15:09:00.656
EGOI_110124CMEP3465.E2	24-JAN-2011	16:46:02.755
EGOI_110124GSEP4238.E2	24-JAN-2011	01:12:11.447
EGOI_110124GSEP4270.E2	24-JAN-2011	02:48:57.042
EGOI_110124GSEP4298.E2	24-JAN-2011	04:30:42.672
EGOI_110124GSEP4305.E2	24-JAN-2011	06:12:56.807
EGOI_110124KSEP7621.E2	24-JAN-2011	06:30:47.909

EGOI_110124KSEP7639.E2	24-JAN-2011	08:10:36.528
EGOI_110124KSEP7662.E2	24-JAN-2011	09:50:16.143
EGOI_110124KSEP7692.E2	24-JAN-2011	11:29:50.306
EGOI_110124KSEP7709.E2	24-JAN-2011	13:08:58.414
EGOI_110124KSEP7718.E2	24-JAN-2011	14:47:45.526
EGOI_110124KSEP7730.E2	24-JAN-2011	16:25:28.126
EGOI_110124KSEP7758.E2	24-JAN-2011	18:03:24.234
EGOI_110124KSEP7790.E2	24-JAN-2011	19:41:39.838
EGOI_110124KSEP7820.E2	24-JAN-2011	21:22:04.462
EGOI_110124KSEP7845.E2	24-JAN-2011	23:05:18.594
EGOI_110124MAEP2143.E2	24-JAN-2011	08:18:51.559
EGOI_110124MAEP2156.E2	24-JAN-2011	09:57:17.670
EGOI_110124MIEP1105.E2	24-JAN-2011	02:45:22.522
EGOI_110124MIEP1133.E2	24-JAN-2011	04:24:50.133
EGOI_110124MIEP1159.E2	24-JAN-2011	15:06:30.640
EGOI_110124MIEP1187.E2	24-JAN-2011	16:44:49.247
EGOI_110124MSEP4682.E2	24-JAN-2011	10:05:49.238
EGOI_110124MSEP4707.E2	24-JAN-2011	11:42:51.885
EGOI_110124MSEP4730.E2	24-JAN-2011	13:24:12.009
EGOI_110124MSEP4747.E2	24-JAN-2011	21:17:08.930
EGOI_110124MSEP4779.E2	24-JAN-2011	22:51:36.512
EGOI_110124SGEP0964.E2	24-JAN-2011	03:27:33.281
EGOI_110124SGEP0969.E2	24-JAN-2011	05:09:33.911
EGOI_110124SGEP0974.E2	24-JAN-2011	14:23:46.881
EGOI_110124SGEP0980.E2	24-JAN-2011	16:02:02.488

[[BACK TO MENU](#)]

1.3 - List of data gaps

Station	Orbit	Date	Start Time	Stop Time	Duration (s)
KS	82410	24-JAN-2011	06:28:52.676	06:30:47.908	115.23200
KS	82411	24-JAN-2011	08:08:04.614	08:10:36.528	151.91400
KS	82412	24-JAN-2011	09:47:41.716	09:50:16.142	154.42600
KS	82413	24-JAN-2011	11:27:14.277	11:29:50.305	156.02800
KS	82414	24-JAN-2011	13:06:24.645	13:08:58.414	153.76900
KS	82415	24-JAN-2011	14:45:06.041	14:47:45.525	159.48400
KS	82416	24-JAN-2011	16:22:46.001	16:25:28.126	162.12500
KS	82417	24-JAN-2011	18:00:34.580	18:03:24.233	169.65300
KS	82418	24-JAN-2011	19:39:22.650	19:41:39.837	137.18700
KS	82419	24-JAN-2011	21:19:55.496	21:22:04.462	128.96600
KS	82420	24-JAN-2011	23:02:52.823	23:05:18.593	145.77000
GS	82407	24-JAN-2011	01:10:07.708	01:12:11.446	123.73800

GS	82408	24-JAN-2011	02:47:03.042	02:48:57.041	113.99900
GS	82409	24-JAN-2011	04:28:44.154	04:30:42.671	118.51700
MS	82413	24-JAN-2011	11:40:10.128	11:42:51.885	161.75700
MS	82414	24-JAN-2011	13:21:33.758	13:24:12.009	158.25100
MS	82420	24-JAN-2011	22:49:29.175	22:51:36.511	127.33600
MA	82411	24-JAN-2011	08:17:23.185	08:18:51.559	88.374000
MA	82412	24-JAN-2011	09:55:44.064	09:57:17.669	93.605000
MI	82408	24-JAN-2011	02:42:56.428	02:45:22.522	146.09400
MI	82409	24-JAN-2011	04:22:26.559	04:24:50.132	143.57300
MI	82415	24-JAN-2011	15:03:10.537	15:06:30.640	200.10300
MI	82416	24-JAN-2011	16:42:00.859	16:44:49.247	168.38800
SG	82408	24-JAN-2011	03:24:04.569	03:27:33.280	208.71100
SG	82408	24-JAN-2011	03:30:40.796	03:37:57.359	436.56300
SG	82414	24-JAN-2011	14:21:19.025	14:23:46.881	147.85600
SG	82415	24-JAN-2011	15:59:08.750	16:02:02.487	173.73700
CM	82415	24-JAN-2011	15:07:58.831	15:09:00.655	61.824000
CM	82416	24-JAN-2011	16:44:31.345	16:46:02.755	91.410000

[[BACK TO MENU](#)]

1.4 - List of missing products

Station	Orbit	Date	Start Time	Stop Time	Duration (s)
HO	82406	24-JAN-2011	00:14:53.352	00:29:31.589	878.23700
MM	82406	24-JAN-2011	00:26:23.456	00:37:28.821	665.36500
HO	82407	24-JAN-2011	01:58:12.897	02:06:52.472	519.57500
MM	82407	24-JAN-2011	02:08:43.053	02:17:46.842	543.78900
BE	82408	24-JAN-2011	03:13:04.813	03:26:26.855	802.04200
MM	82408	24-JAN-2011	03:51:46.051	03:58:30.398	404.34700
BE	82409	24-JAN-2011	04:54:04.275	05:02:21.706	497.43100
MM	82409	24-JAN-2011	05:34:26.678	05:40:15.066	348.38800
MM	82410	24-JAN-2011	07:15:48.180	07:23:11.651	443.47100
JO	82410	24-JAN-2011	06:55:33.911	07:07:10.521	696.61000
MM	82411	24-JAN-2011	08:56:21.553	09:06:06.027	584.47400
JO	82411	24-JAN-2011	08:32:45.776	08:47:38.960	893.18400
MM	82412	24-JAN-2011	10:36:34.570	10:48:06.984	692.41400
MM	82413	24-JAN-2011	12:16:33.931	12:29:03.202	749.27100
MA	82413	24-JAN-2011	11:37:06.351	11:44:17.141	430.79000

MM	82414	24-JAN-2011	13:56:19.167	14:09:03.101	763.93400
SG	82414	24-JAN-2011	14:21:19.025	14:31:59.530	640.50500
BE	82415	24-JAN-2011	14:29:49.003	14:43:02.858	793.85500
MM	82415	24-JAN-2011	15:35:48.419	15:48:25.586	757.16700
GS	82415	24-JAN-2011	14:56:46.010	15:09:28.273	762.26300
MM	82416	24-JAN-2011	17:15:02.438	17:27:33.973	751.53500
GS	82416	24-JAN-2011	16:35:56.095	16:49:25.266	809.17100
MM	82417	24-JAN-2011	18:54:10.575	19:06:47.733	757.15800
GS	82417	24-JAN-2011	18:16:57.032	18:24:37.770	460.73800
JO	82417	24-JAN-2011	19:15:40.489	19:25:29.041	588.55200
MM	82418	24-JAN-2011	20:33:32.467	20:46:16.469	764.00200
MA	82418	24-JAN-2011	19:33:20.533	19:45:07.509	706.97600
JO	82418	24-JAN-2011	20:52:45.119	21:07:45.239	900.12000
HO	82419	24-JAN-2011	22:07:17.692	22:18:02.332	644.64000
MM	82419	24-JAN-2011	22:13:31.658	22:26:01.441	749.78300
MA	82419	24-JAN-2011	21:11:40.301	21:24:56.378	796.07700
JO	82419	24-JAN-2011	22:34:29.856	22:43:00.452	510.59600
HO	82420	24-JAN-2011	23:43:52.514	23:58:16.072	863.55800
MM	82420	24-JAN-2011	23:54:26.980	00:06:00.624	693.64400

[[BACK TO MENU](#)]

1.5 - List of corrupted products

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

2 - Instrument Indicators and Daily Plots

2.1 - Instrument Indicators Status

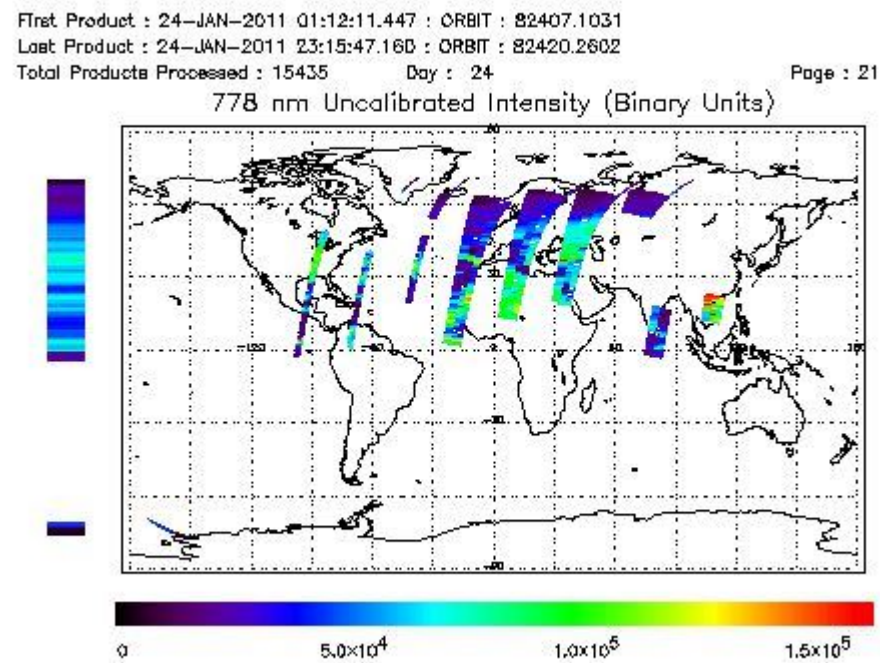
Indicator	Value
MPH Product Confidence	OK
SPH Product Confidence	OK
Command Word Echo Summary	OK
Instrument Status 1A	OK
Instrument Status 1B	OK
Instrument Status 2	OK
Integration Times Channel 1	OK
Co-Adding and Cluster Mode Flags	OK
Integration Times Band 2A	OK
Integration Times Band 2B	OK
Integration 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

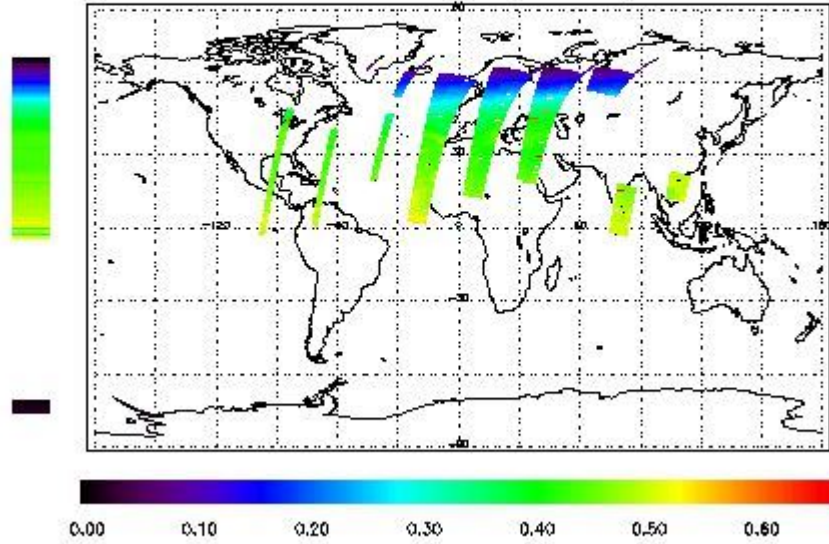


Ozone Line Ratio

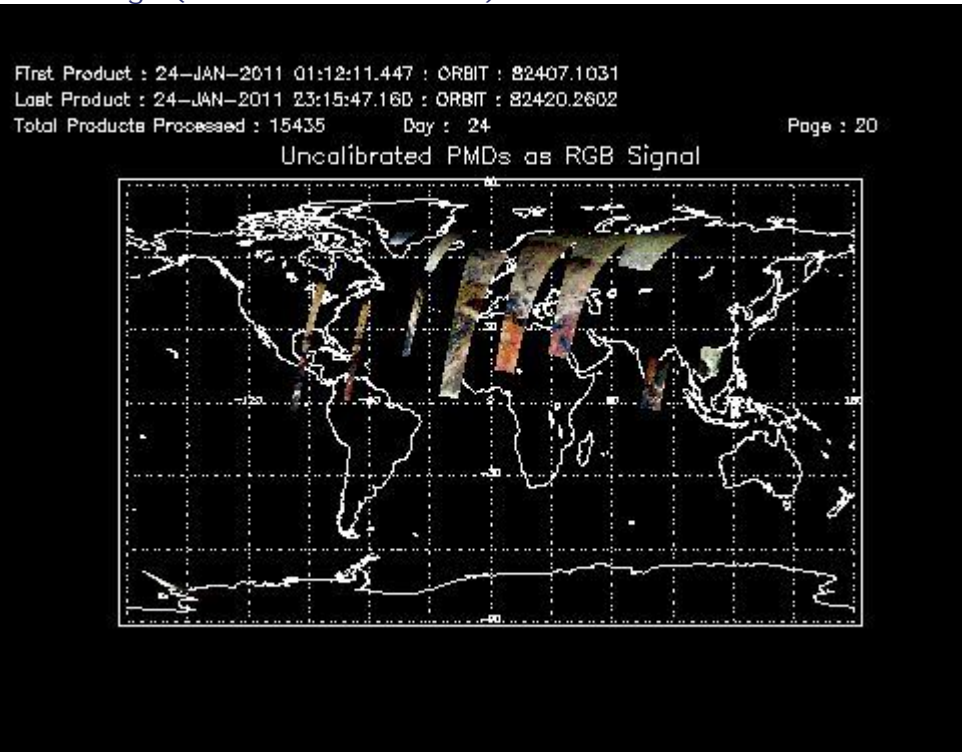
First Product : 24-JAN-2011 01:12:11.447 : ORBIT : 82407.1031
 Last Product : 24-JAN-2011 23:15:47.160 : ORBIT : 82420.2602
 Total Products Processed : 15435 Day : 24

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	11:34:51.833	--	82413	Yes	--	14944

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
13:00	--	82414	--

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