

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	25-OCT-2010
Start Time of First Product	00:23:55
Stop Time of Last Product	22:35:48
Number of EGOI Products analysed	31
Number of corrupted products	--
Anomalies and/or Special Operations	Narrow Swath continued from previous day, interrupted in concomitance with solar calibration, stop orbit: 81113

1.2 - List of received products

Name	Date	Time
EGOI_101025CMEP1121.E2	25-OCT-2010	16:06:30.825
EGOI_101025CMEP1129.E2	25-OCT-2010	17:47:23.944
EGOI_101025GSEP7934.E2	25-OCT-2010	02:09:39.167
EGOI_101025GSEP7961.E2	25-OCT-2010	03:49:14.278
EGOI_101025GSEP7972.E2	25-OCT-2010	05:31:59.912
EGOI_101025KSEP4930.E2	25-OCT-2010	07:30:12.640
EGOI_101025KSEP4949.E2	25-OCT-2010	09:10:13.254
EGOI_101025KSEP4971.E2	25-OCT-2010	10:49:52.873
EGOI_101025KSEP4997.E2	25-OCT-2010	12:29:14.489

EGOI_101025KSEP5010.E2	25-OCT-2010	14:08:10.592
EGOI_101025KSEP5036.E2	25-OCT-2010	15:46:08.200
EGOI_101025KSEP5063.E2	25-OCT-2010	17:24:02.799
EGOI_101025KSEP5094.E2	25-OCT-2010	19:01:49.903
EGOI_101025KSEP5124.E2	25-OCT-2010	20:41:22.018
EGOI_101025KSEP5152.E2	25-OCT-2010	22:23:15.146
EGOI_101025MAEP8851.E2	25-OCT-2010	09:17:23.802
EGOI_101025MAEP8860.E2	25-OCT-2010	10:57:25.916
EGOI_101025MIEP4303.E2	25-OCT-2010	02:07:27.152
EGOI_101025MIEP4324.E2	25-OCT-2010	14:28:01.717
EGOI_101025MIEP4341.E2	25-OCT-2010	16:04:12.813
EGOI_101025MMEP7444.E2	25-OCT-2010	08:20:51.952
EGOI_101025MMEP7450.E2	25-OCT-2010	09:57:55.548
EGOI_101025MMEP7456.E2	25-OCT-2010	11:38:11.167
EGOI_101025MMEP7469.E2	25-OCT-2010	18:17:12.129
EGOI_101025MMEP7477.E2	25-OCT-2010	21:35:56.850
EGOI_101025MSEP4124.E2	25-OCT-2010	00:23:55.017
EGOI_101025MSEP4147.E2	25-OCT-2010	11:03:09.452
EGOI_101025MSEP4174.E2	25-OCT-2010	12:42:40.067
EGOI_101025SGEP8870.E2	25-OCT-2010	02:56:40.957
EGOI_101025SGEP8877.E2	25-OCT-2010	04:34:29.556
EGOI_101025SGEP8884.E2	25-OCT-2010	17:04:35.686

[[BACK TO MENU](#)]

1.3 - List of data gaps

Station	Orbit	Date	Start Time	Stop Time	Duration (s)
KS	81108	25-OCT-2010	07:28:17.469	07:30:12.640	115.17100
KS	81109	25-OCT-2010	09:07:50.408	09:10:13.253	142.84500
KS	81110	25-OCT-2010	10:47:26.889	10:49:52.873	145.98400
KS	81111	25-OCT-2010	12:26:48.405	12:29:14.488	146.08300
KS	81112	25-OCT-2010	14:05:41.591	14:08:10.592	149.00100
KS	81113	25-OCT-2010	15:43:38.235	15:46:08.200	149.96500
KS	81114	25-OCT-2010	17:21:29.750	17:24:02.798	153.04800
KS	81115	25-OCT-2010	18:59:40.500	19:01:49.903	129.40300
KS	81116	25-OCT-2010	20:39:27.625	20:41:22.018	114.39300
KS	81117	25-OCT-2010	22:21:20.890	22:23:15.146	114.25600
GS	81105	25-OCT-2010	02:07:44.304	02:09:39.166	114.86200
GS	81106	25-OCT-2010	03:47:22.061	03:49:14.277	112.21600
MS	81104	25-OCT-2010	00:21:57.773	00:23:55.017	117.24400
MS	81110	25-OCT-2010	11:00:39.894	11:03:09.451	149.55700
MS	81111	25-OCT-2010	12:40:15.482	12:42:40.067	144.58500

MA	81110	25-OCT-2010	10:55:42.429	10:57:25.915	103.48600
MI	81105	25-OCT-2010	02:05:17.999	02:07:27.151	129.15200
MI	81112	25-OCT-2010	14:25:59.568	14:28:01.716	122.14800
MI	81113	25-OCT-2010	16:01:55.834	16:04:12.812	136.97800
MM	81108	25-OCT-2010	08:16:11.523	08:20:51.951	280.42800
MM	81109	25-OCT-2010	09:56:31.116	09:57:55.547	84.431000
MM	81110	25-OCT-2010	11:36:35.788	11:38:11.167	95.379000
MM	81114	25-OCT-2010	18:14:30.972	18:17:12.128	161.15600
MM	81116	25-OCT-2010	21:33:26.129	21:35:56.849	150.72000
SG	81105	25-OCT-2010	02:45:02.241	02:56:40.956	698.71500
SG	81106	25-OCT-2010	04:24:37.541	04:34:29.555	592.01400
CM	81113	25-OCT-2010	16:04:53.529	16:06:30.825	97.296000
CM	81114	25-OCT-2010	17:45:59.469	17:47:23.944	84.475000
Missing	data	and			

[[BACK TO MENU](#)]

1.4 - List of missing products

Station	Orbit	Date	Start Time	Stop Time	Duration (s)
HO	81104	25-OCT-2010	01:15:43.497	01:28:32.736	769.23900
MM	81104	25-OCT-2010	01:27:40.046	01:37:37.539	597.49300
BE	81105	25-OCT-2010	02:33:25.249	02:46:32.008	786.75900
MM	81105	25-OCT-2010	03:10:30.698	03:18:08.340	457.64200
CM	81105	25-OCT-2010	03:40:59.992	03:53:02.615	722.62300
BE	81106	25-OCT-2010	04:13:16.298	04:24:45.986	689.68800
MM	81106	25-OCT-2010	04:53:30.846	04:59:22.850	352.00400
MI	81106	25-OCT-2010	03:41:49.567	03:55:06.965	797.39800
MM	81107	25-OCT-2010	06:35:23.988	06:41:56.555	392.56700
KS	81107	25-OCT-2010	05:49:59.235	05:52:29.520	150.28500
CM	81107	25-OCT-2010	05:22:33.151	05:30:13.019	459.86800
JO	81108	25-OCT-2010	07:53:07.546	08:07:55.213	887.66700
JO	81109	25-OCT-2010	09:34:11.482	09:45:53.490	702.00800
MM	81111	25-OCT-2010	13:16:26.884	13:29:08.849	761.96500
HO	81112	25-OCT-2010	15:05:55.403	15:14:40.126	524.72300
MM	81112	25-OCT-2010	14:56:02.723	15:08:43.601	760.87800
GS	81112	25-OCT-2010	14:17:53.259	14:27:53.107	599.84800
SG	81112	25-OCT-2010	15:19:09.369	15:33:00.775	831.40600

BE	81113	25-OCT-2010	15:31:18.478	15:41:39.084	620.60600
MM	81113	25-OCT-2010	16:35:22.303	16:47:54.865	752.56200
GS	81113	25-OCT-2010	15:56:03.368	16:09:59.472	836.10400
MI	81114	25-OCT-2010	17:44:13.921	17:50:06.584	352.66300
GS	81114	25-OCT-2010	17:36:13.453	17:47:13.800	660.34700
MM	81115	25-OCT-2010	19:53:44.523	20:06:26.955	762.43200
MA	81115	25-OCT-2010	18:58:20.877	19:03:08.705	287.82800
JO	81115	25-OCT-2010	20:13:14.603	20:27:45.950	871.34700
MA	81116	25-OCT-2010	20:31:36.615	20:45:19.343	822.72800
JO	81116	25-OCT-2010	21:53:06.482	22:05:56.655	770.17300
HO	81117	25-OCT-2010	23:04:43.767	23:18:21.244	817.47700
MM	81117	25-OCT-2010	23:13:57.259	23:25:59.360	722.10100
MS	81117	25-OCT-2010	22:10:45.361	22:22:15.720	690.35900
MA	81117	25-OCT-2010	22:14:23.287	22:23:39.125	555.83800
MS	81118	25-OCT-2010	23:49:28.187	00:02:08.593	760.40600

[[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

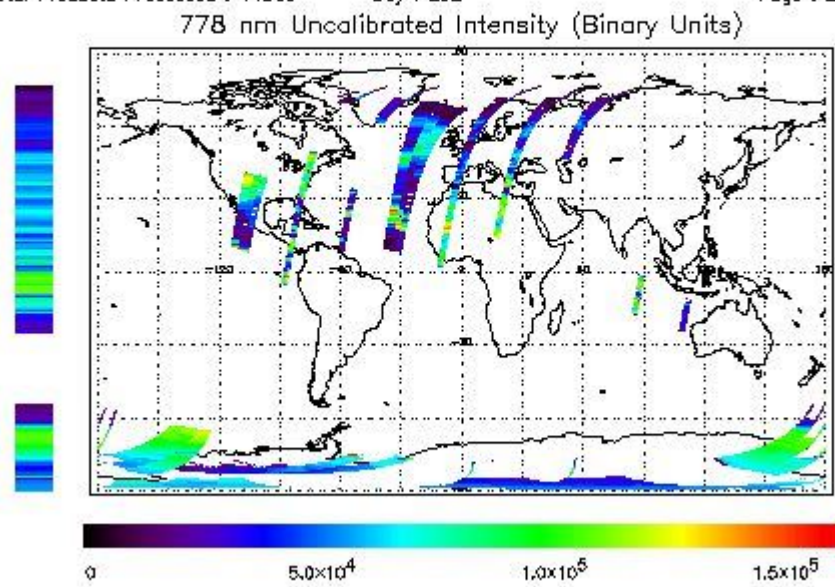
DDHU Temperatures	OK
Optical Bench Temperatures	OK
Other Temperatures B	OK
Calibration Lamp and Instr. Status 3	OK
Scan Mirror and Motor Current	OK
Selected Temperature A	OK
Selected Temperature B	OK
Selected Temperature C	OK
Channel 1 Summation	OK
Channel 2 Summation	OK
Channel 4 Summation	OK
Log Pages	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 : 25-OCT-2010 00:23:55.017 : ORBIT : 81104.0232
 Last Product : 25-OCT-2010 22:35:48.224 : ORBIT : 81117.2628
 Total Products Processed : 14300 Day : 298 Page : 21

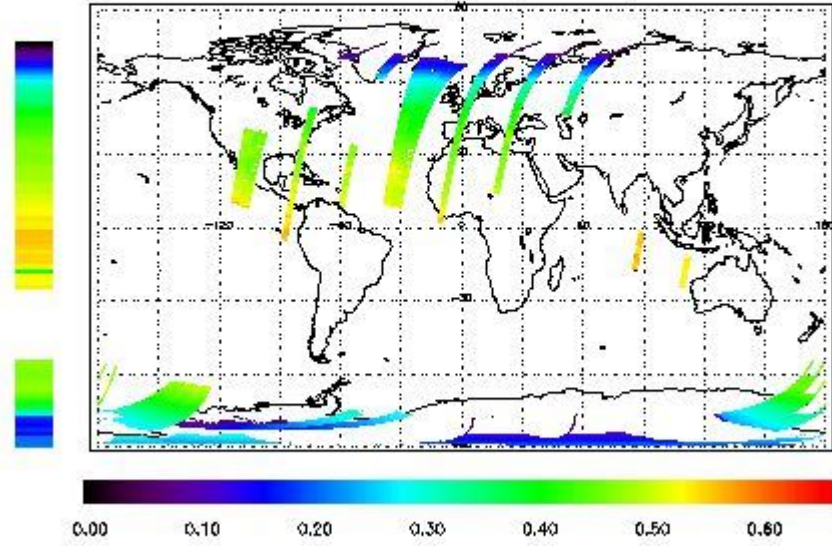


Ozone Line Ratio

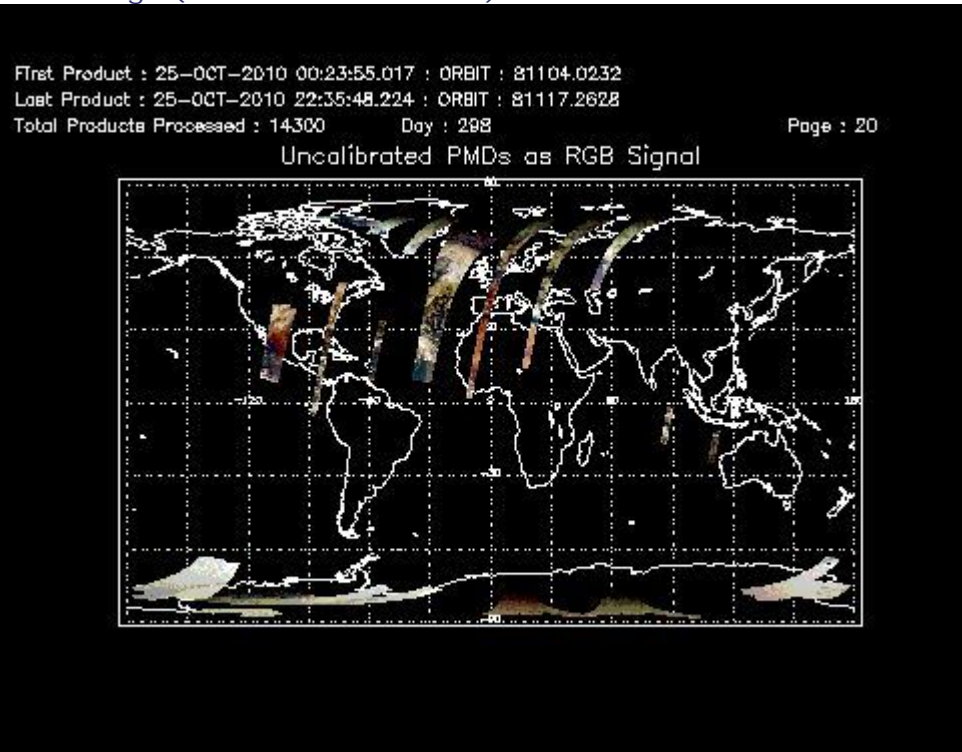
First Product : 25-OCT-2010 00:23:55.017 : ORBIT : 81104.0232
 Last Product : 25-OCT-2010 22:35:48.224 : ORBIT : 81117.2628
 Total Products Processed : 14300 Day : 298

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	12:33:04.012	--	81111	Yes	--	15410

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

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

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
18:00	17:00	81100	81113

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