

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	04-NOV-2010
Start Time of First Product	00:09:15
Stop Time of Last Product	23:50:43
Number of EGOI Products analysed	38
Number of corrupted products	--
Anomalies and/or Special Operations	Narrow Swath performed as planned, start orbit: 81254

1.2 - List of received products

Name	Date	Time
EGOI_101104CMEP1378.E2	04-NOV-2010	03:28:38.450
EGOI_101104CMEP1388.E2	04-NOV-2010	05:12:15.089
EGOI_101104CMEP1398.E2	04-NOV-2010	15:52:32.769
EGOI_101104CMEP1406.E2	04-NOV-2010	17:32:36.392
EGOI_101104GSEP8629.E2	04-NOV-2010	01:55:40.875
EGOI_101104GSEP8660.E2	04-NOV-2010	03:34:38.486
EGOI_101104GSEP8672.E2	04-NOV-2010	05:17:33.120
EGOI_101104HLEP8384.E2	04-NOV-2010	11:34:34.181
EGOI_101104HLEP8396.E2	04-NOV-2010	23:04:23.439

EGOI_101104KSEP7342.E2	04-NOV-2010	07:16:03.859
EGOI_101104KSEP7362.E2	04-NOV-2010	08:56:02.970
EGOI_101104KSEP7386.E2	04-NOV-2010	10:35:42.812
EGOI_101104KSEP7412.E2	04-NOV-2010	12:15:05.928
EGOI_101104KSEP7440.E2	04-NOV-2010	13:54:05.044
EGOI_101104KSEP7450.E2	04-NOV-2010	15:32:08.648
EGOI_101104KSEP7475.E2	04-NOV-2010	17:09:55.751
EGOI_101104KSEP7506.E2	04-NOV-2010	18:47:56.355
EGOI_101104KSEP7537.E2	04-NOV-2010	20:27:04.466
EGOI_101104KSEP7565.E2	04-NOV-2010	22:08:41.095
EGOI_101104MAEP9261.E2	04-NOV-2010	09:03:16.518
EGOI_101104MAEP9280.E2	04-NOV-2010	10:43:11.359
EGOI_101104MAEP9300.E2	04-NOV-2010	22:00:38.046
EGOI_101104MIEP4959.E2	04-NOV-2010	03:31:24.966
EGOI_101104MIEP4981.E2	04-NOV-2010	05:13:27.097
EGOI_101104MIEP4990.E2	04-NOV-2010	15:50:07.258
EGOI_101104MIEP5012.E2	04-NOV-2010	17:31:10.884
EGOI_101104MMEP7995.E2	04-NOV-2010	02:56:48.751
EGOI_101104MMEP8003.E2	04-NOV-2010	04:39:31.385
EGOI_101104MMEP8018.E2	04-NOV-2010	21:21:15.305
EGOI_101104MSEP5230.E2	04-NOV-2010	00:09:14.720
EGOI_101104MSEP5259.E2	04-NOV-2010	10:49:23.399
EGOI_101104MSEP5287.E2	04-NOV-2010	12:28:27.011
EGOI_101104MSEP5313.E2	04-NOV-2010	21:59:08.036
EGOI_101104MSEP5343.E2	04-NOV-2010	23:37:13.144
EGOI_101104SGEP9130.E2	04-NOV-2010	02:33:30.606
EGOI_101104SGEP9137.E2	04-NOV-2010	04:12:16.217
EGOI_101104SGEP9144.E2	04-NOV-2010	15:09:14.503
EGOI_101104SGEP9151.E2	04-NOV-2010	16:49:03.126

[[BACK TO MENU](#)]

1.3 - List of data gaps

Station	Orbit	Date	Start Time	Stop Time	Duration (s)
KS	81251	04-NOV-2010	07:14:06.288	07:16:03.858	117.57000
KS	81252	04-NOV-2010	08:53:36.394	08:56:02.970	146.57600
KS	81253	04-NOV-2010	10:33:13.623	10:35:42.812	149.18900
KS	81254	04-NOV-2010	12:12:38.363	12:15:05.927	147.56400
KS	81255	04-NOV-2010	13:51:32.989	13:54:05.043	152.05400
KS	81256	04-NOV-2010	15:29:40.273	15:32:08.647	148.37400
KS	81257	04-NOV-2010	17:07:22.242	17:09:55.750	153.50800
KS	81258	04-NOV-2010	18:45:33.289	18:47:56.354	143.06500
KS	81259	04-NOV-2010	20:25:05.508	20:27:04.466	118.95800

KS	81260	04-NOV-2010	22:06:38.175	22:08:41.095	122.92000
KS	81261	04-NOV-2010	23:51:09.330	23:53:23.742	134.41200
GS	81248	04-NOV-2010	01:53:51.977	01:55:40.875	108.89800
GS	81249	04-NOV-2010	03:32:50.704	03:34:38.486	107.78200
MS	81247	04-NOV-2010	00:07:04.287	00:09:14.719	130.43200
MS	81253	04-NOV-2010	10:46:51.042	10:49:23.399	152.35700
MS	81254	04-NOV-2010	12:25:52.585	12:28:27.011	154.42600
MS	81260	04-NOV-2010	21:57:13.107	21:59:08.036	114.92900
MS	81261	04-NOV-2010	23:34:58.679	23:37:13.143	134.46400
MA	81253	04-NOV-2010	10:41:16.590	10:43:11.359	114.76900
MA	81260	04-NOV-2010	21:58:48.611	22:00:38.045	109.43400
MI	81249	04-NOV-2010	03:27:35.616	03:31:24.966	229.35000
MI	81250	04-NOV-2010	05:11:27.399	05:13:27.097	119.69800
MI	81256	04-NOV-2010	15:47:46.656	15:50:07.258	140.60200
MI	81257	04-NOV-2010	17:28:57.439	17:31:10.884	133.44500
MM	81248	04-NOV-2010	02:55:46.939	02:56:48.750	61.811000
MM	81259	04-NOV-2010	21:19:09.016	21:21:15.304	126.28800
SG	81248	04-NOV-2010	02:31:24.674	02:33:30.606	125.93200
SG	81249	04-NOV-2010	04:09:58.003	04:12:16.217	138.21400
SG	81255	04-NOV-2010	15:05:07.370	15:09:14.503	247.13300
SG	81256	04-NOV-2010	16:46:30.210	16:49:03.126	152.91600
CM	81249	04-NOV-2010	03:27:10.197	03:28:38.449	88.252000
CM	81256	04-NOV-2010	15:50:58.362	15:52:32.768	94.406000
CM	81257	04-NOV-2010	17:31:01.013	17:32:36.392	95.379000

[[BACK TO MENU](#)]

1.4 - List of missing products

Station	Orbit	Date	Start Time	Stop Time	Duration (s)
HO	81247	04-NOV-2010	01:01:10.968	01:14:35.849	804.88100
MM	81247	04-NOV-2010	01:13:02.612	01:23:17.800	615.18800
KS	81247	04-NOV-2010	00:25:42.627	00:27:23.583	100.95600
BE	81248	04-NOV-2010	02:19:21.777	02:32:03.907	762.13000
MI	81248	04-NOV-2010	01:52:29.211	01:58:54.866	385.65500
BE	81249	04-NOV-2010	03:58:51.493	04:11:03.558	732.06500
MM	81250	04-NOV-2010	06:20:55.813	06:27:13.443	377.63000
MM	81251	04-NOV-2010	08:01:49.876	08:10:18.833	508.95700

JO	81251	04-NOV-2010	07:39:11.658	07:53:35.769	864.11100
MM	81252	04-NOV-2010	09:42:12.203	09:52:52.119	639.91600
JO	81252	04-NOV-2010	09:19:17.254	09:32:14.264	777.01000
MM	81253	04-NOV-2010	11:22:18.788	11:34:23.377	724.58900
MM	81254	04-NOV-2010	13:02:11.899	13:14:52.031	760.13200
HO	81255	04-NOV-2010	14:51:19.938	15:01:02.251	582.31300
MM	81255	04-NOV-2010	14:41:50.039	14:54:32.063	762.02400
GS	81255	04-NOV-2010	14:04:17.489	14:12:37.034	499.54500
SG	81255	04-NOV-2010	15:05:07.370	15:18:43.647	816.27700
BE	81256	04-NOV-2010	15:16:24.769	15:27:51.535	686.76600
MM	81256	04-NOV-2010	16:21:11.840	16:33:45.224	753.38400
GS	81256	04-NOV-2010	15:41:52.422	15:55:44.411	831.98900
MM	81257	04-NOV-2010	18:00:21.344	18:12:54.211	752.86700
GS	81257	04-NOV-2010	17:21:48.513	17:33:37.440	708.92700
MM	81258	04-NOV-2010	19:39:32.859	19:52:14.216	761.35700
MA	81258	04-NOV-2010	18:44:46.008	18:48:51.801	245.79300
JO	81258	04-NOV-2010	19:59:17.787	20:13:14.489	836.70200
MA	81259	04-NOV-2010	20:17:34.840	20:31:22.267	827.42700
JO	81259	04-NOV-2010	21:38:36.361	21:52:18.395	822.03400
HO	81260	04-NOV-2010	22:50:51.278	23:04:01.986	790.70800
MM	81260	04-NOV-2010	22:59:32.008	23:11:42.270	730.26200

[[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

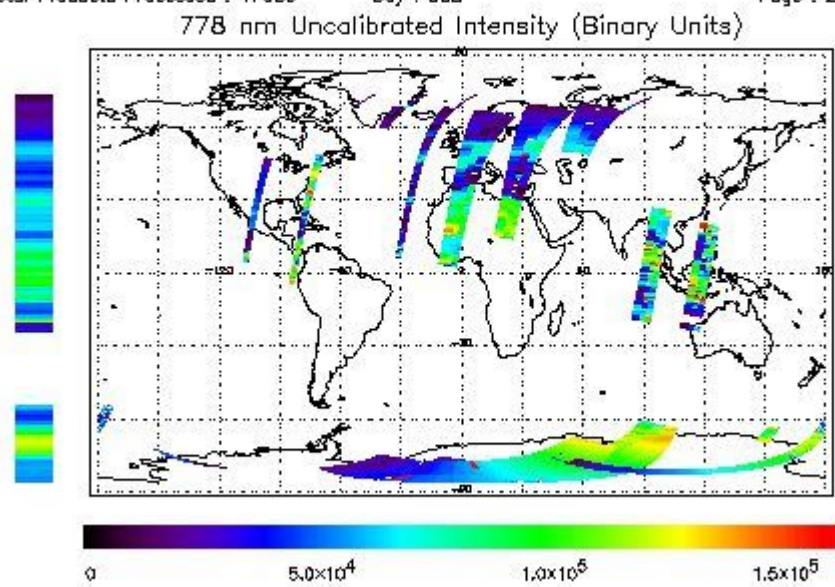
Integration Times Band 3	OK
Integration Times Band 4	OK
Scan Mirror position	OK
Polarization Detectors	OK
FPA Temperatures A	OK
FPA Temperatures B	OK
Charge Amp Temperatures	OK
Other Temperatures A	OK
DDHU Temperatures	OK
Optical Bench Temperatures	OK
Other Temperatures B	OK
Calibration Lamp and Instr. 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 : 04-NOV-2010 00:09:14.720 : ORBIT : 81247.0202
 Last Product : 04-NOV-2010 23:50:43.226 : ORBIT : 81261.1504
 Total Products Processed : 17980 Day : 308 Page : 21



Ozone Line Ratio

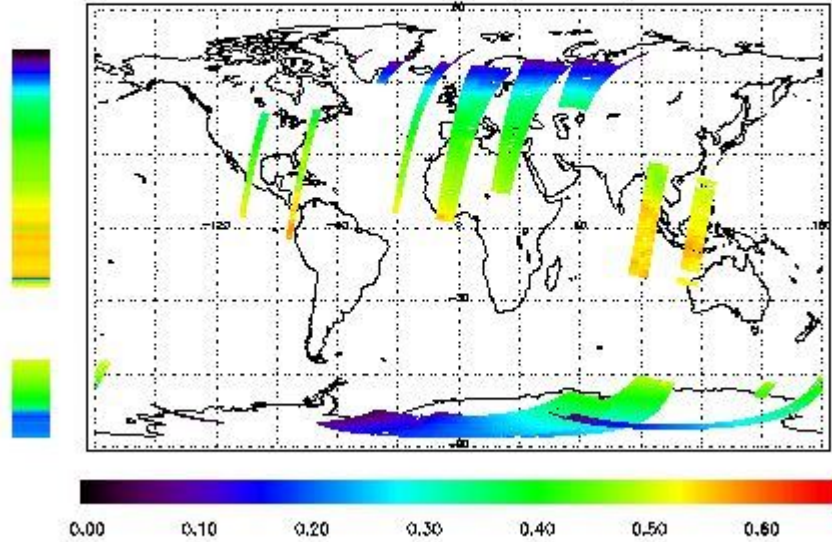
First Product : 04-NOV-2010 00:09:14.720 : ORBIT : 81247.0202

Last Product : 04-NOV-2010 23:50:43.228 : ORBIT : 81261.1504

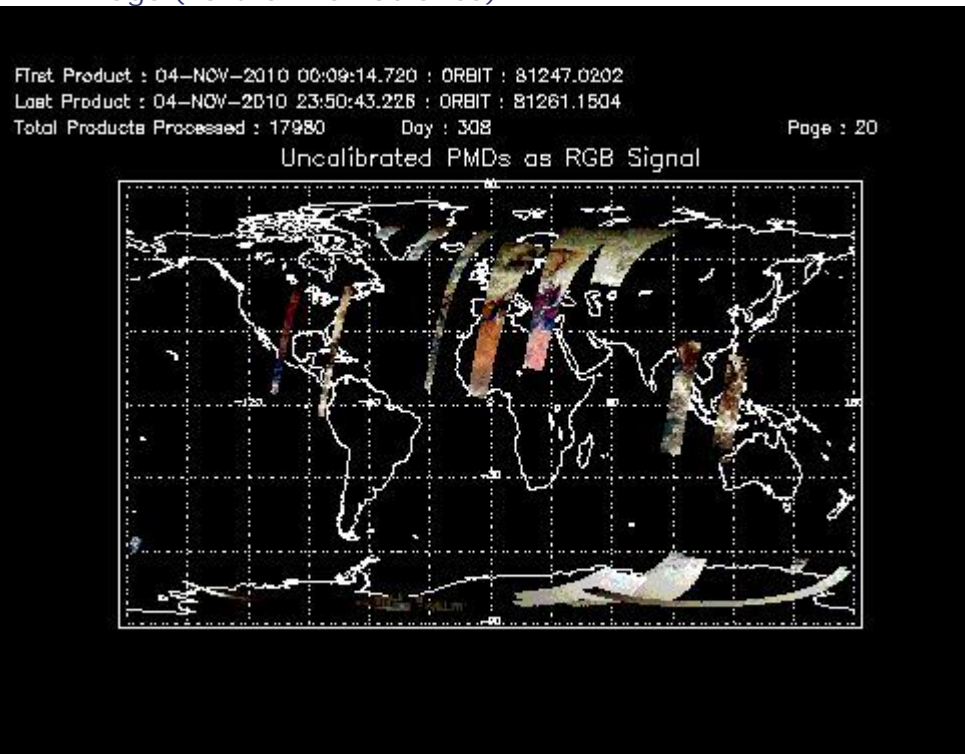
Total Products Processed : 17980 Day : 308

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	10:39:03.835	--	81253	Yes	--	15491

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
12:00	--	81254	--

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