

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	10-NOV-2010
Start Time of First Product	23:54:29 (09-Nov)
Stop Time of Last Product	23:46:46
Number of EGOI Products analysed	38
Number of corrupted products	--
Anomalies and/or Special Operations	Nominal Data

1.2 - List of received products

Name	Date	Time
EGOI_101110CMEP1569.E2	10-NOV-2010	03:39:44.110
EGOI_101110CMEP1574.E2	10-NOV-2010	05:20:35.733
EGOI_101110CMEP1583.E2	10-NOV-2010	16:03:36.706
EGOI_101110CMEP1591.E2	10-NOV-2010	17:44:07.330
EGOI_101110HLEP8436.E2	10-NOV-2010	23:04:21.309
EGOI_101110KSEP8896.E2	10-NOV-2010	07:27:27.519
EGOI_101110KSEP8915.E2	10-NOV-2010	09:07:26.634
EGOI_101110KSEP8936.E2	10-NOV-2010	10:47:07.754
EGOI_101110KSEP8961.E2	10-NOV-2010	12:26:27.865

EGOI_101110KSEP8977.E2	10-NOV-2010	14:05:25.477
EGOI_101110KSEP9003.E2	10-NOV-2010	15:43:26.089
EGOI_101110KSEP9032.E2	10-NOV-2010	17:21:14.689
EGOI_101110KSEP9064.E2	10-NOV-2010	18:59:01.796
EGOI_101110KSEP9094.E2	10-NOV-2010	20:38:39.908
EGOI_101110KSEP9122.E2	10-NOV-2010	22:20:24.039
EGOI_101110MAEP9494.E2	10-NOV-2010	09:14:43.181
EGOI_101110MAEP9504.E2	10-NOV-2010	10:54:36.300
EGOI_101110MAEP9523.E2	10-NOV-2010	22:12:29.985
EGOI_101110MIEP5472.E2	10-NOV-2010	02:04:55.523
EGOI_101110MIEP5493.E2	10-NOV-2010	03:41:20.118
EGOI_101110MIEP5512.E2	10-NOV-2010	14:25:34.600
EGOI_101110MIEP5530.E2	10-NOV-2010	16:01:27.694
EGOI_101110MMEP8379.E2	10-NOV-2010	01:26:07.283
EGOI_101110MMEP8385.E2	10-NOV-2010	03:08:37.915
EGOI_101110MMEP8393.E2	10-NOV-2010	06:33:22.680
EGOI_101110MMEP8402.E2	10-NOV-2010	08:14:17.309
EGOI_101110MMEP8409.E2	10-NOV-2010	09:55:07.428
EGOI_101110MMEP8417.E2	10-NOV-2010	11:35:24.547
EGOI_101110MMEP8427.E2	10-NOV-2010	16:37:50.417
EGOI_101110MMEP8434.E2	10-NOV-2010	18:14:27.012
EGOI_101110MMEP8441.E2	10-NOV-2010	21:33:05.746
EGOI_101110MSEP5965.E2	10-NOV-2010	00:21:09.884
EGOI_101110MSEP5989.E2	10-NOV-2010	11:00:22.833
EGOI_101110MSEP6016.E2	10-NOV-2010	12:39:50.448
EGOI_101110MSEP6044.E2	10-NOV-2010	22:10:01.472
EGOI_101110SGEP9288.E2	10-NOV-2010	02:48:54.293
EGOI_101110SGEP9294.E2	10-NOV-2010	04:27:30.904
EGOI_101110SGEP9302.E2	10-NOV-2010	17:01:44.567

[\[BACK TO MENU \]](#)

1.3 - List of data gaps

Station	Orbit	Date	Start Time	Stop Time	Duration (s)
KS	81337	10-NOV-2010	07:25:27.158	07:27:27.518	120.36000
KS	81338	10-NOV-2010	09:04:59.600	09:07:26.633	147.03300
KS	81339	10-NOV-2010	10:44:36.258	10:47:07.754	151.49600
KS	81340	10-NOV-2010	12:23:58.451	12:26:27.864	149.41300
KS	81341	10-NOV-2010	14:02:51.922	14:05:25.477	153.55500
KS	81342	10-NOV-2010	15:40:50.685	15:43:26.089	155.40400
KS	81343	10-NOV-2010	17:18:41.013	17:21:14.689	153.67600
KS	81344	10-NOV-2010	18:56:50.917	18:59:01.796	130.87900
KS	81345	10-NOV-2010	20:36:35.001	20:38:39.908	124.90700

KS	81346	10-NOV-2010	22:18:24.064	22:20:24.038	119.97400
MS	81333	10-NOV-2010	00:18:57.896	00:21:09.883	131.98700
MS	81339	10-NOV-2010	10:57:45.880	11:00:22.833	156.95300
MS	81340	10-NOV-2010	12:37:22.160	12:39:50.447	148.28700
MS	81346	10-NOV-2010	22:08:02.040	22:10:01.472	119.43200
MS	81347	10-NOV-2010	23:46:33.576	23:48:51.582	138.00600
MA	81338	10-NOV-2010	09:13:33.780	09:14:43.180	69.400000
MA	81339	10-NOV-2010	10:52:48.330	10:54:36.299	107.96900
MA	81346	10-NOV-2010	22:11:22.163	22:12:29.984	67.821000
MI	81334	10-NOV-2010	02:02:41.704	02:04:55.522	133.81800
MI	81335	10-NOV-2010	03:38:58.146	03:41:20.118	141.97200
MI	81341	10-NOV-2010	14:23:33.684	14:25:34.600	120.91600
MI	81342	10-NOV-2010	15:59:05.586	16:01:27.693	142.10700
MM	81333	10-NOV-2010	01:24:44.461	01:26:07.283	82.822000
MM	81334	10-NOV-2010	03:07:33.915	03:08:37.915	64.000000
MM	81338	10-NOV-2010	09:53:39.357	09:55:07.427	88.070000
MM	81339	10-NOV-2010	11:33:44.410	11:35:24.547	100.13700
MM	81342	10-NOV-2010	16:32:32.231	16:37:50.416	318.18500
MM	81342	10-NOV-2010	16:42:47.447	16:45:04.939	137.49200
MM	81343	10-NOV-2010	18:11:41.040	18:14:27.012	165.97200
MM	81345	10-NOV-2010	21:30:34.626	21:33:05.746	151.12000
SG	81334	10-NOV-2010	02:42:17.750	02:48:54.292	396.54200
SG	81335	10-NOV-2010	04:21:40.696	04:27:30.904	350.20800
SG	81342	10-NOV-2010	16:58:57.586	17:01:44.566	166.98000
CM	81334	10-NOV-2010	03:38:13.233	03:39:44.109	90.876000
CM	81336	10-NOV-2010	05:19:28.212	05:20:35.732	67.520000
CM	81342	10-NOV-2010	16:02:05.824	16:03:36.706	90.882000
CM	81343	10-NOV-2010	17:42:57.964	17:44:07.330	69.366000

[[BACK TO MENU](#)]

1.4 - List of missing products

Station	Orbit	Date	Start Time	Stop Time	Duration (s)
HO	81333	10-NOV-2010	01:12:47.824	01:25:45.765	777.94100
BE	81334	10-NOV-2010	02:30:36.245	02:43:38.969	782.72400
GS	81334	10-NOV-2010	02:04:57.405	02:18:11.719	794.31400
CM	81334	10-NOV-2010	03:38:13.233	03:50:10.139	716.90600

BE	81335	10-NOV-2010	04:10:23.043	04:22:02.094	699.05100
MM	81335	10-NOV-2010	04:50:34.911	04:56:28.251	353.34000
GS	81335	10-NOV-2010	03:44:27.247	03:57:32.462	785.21500
JO	81337	10-NOV-2010	07:50:19.782	08:05:03.671	883.88900
JO	81338	10-NOV-2010	09:31:11.500	09:43:10.588	719.08800
MM	81340	10-NOV-2010	13:13:35.911	13:26:17.562	761.65100
HO	81341	10-NOV-2010	15:03:00.415	15:11:56.323	535.90800
MM	81341	10-NOV-2010	14:53:12.214	15:05:53.334	761.12000
GS	81341	10-NOV-2010	14:15:08.986	14:24:51.347	582.36100
SG	81341	10-NOV-2010	15:16:20.329	15:30:09.960	829.63100
BE	81342	10-NOV-2010	15:28:18.720	15:38:54.298	635.57800
GS	81342	10-NOV-2010	15:53:13.017	16:07:08.897	835.88000
SG	81342	10-NOV-2010	16:58:57.586	17:05:41.353	403.76700
MI	81343	10-NOV-2010	17:41:07.339	17:47:37.795	390.45600
GS	81343	10-NOV-2010	17:33:20.234	17:44:31.056	670.82200
MM	81344	10-NOV-2010	19:50:54.146	20:03:36.380	762.23400
MA	81344	10-NOV-2010	18:55:53.081	19:00:17.539	264.45800
JO	81344	10-NOV-2010	20:10:26.762	20:24:52.332	865.57000
MA	81345	10-NOV-2010	20:28:47.809	20:42:32.303	824.49400
JO	81345	10-NOV-2010	21:50:11.972	22:03:13.771	781.79900
HO	81346	10-NOV-2010	23:01:58.890	23:15:29.546	810.65600
MM	81346	10-NOV-2010	23:11:04.105	23:23:07.921	723.81600

[[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

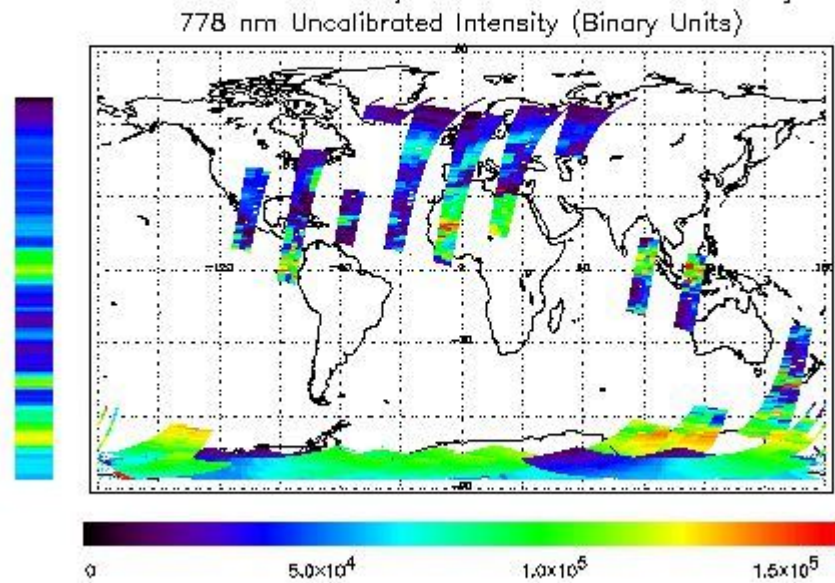
Integration Times Band 2A	OK
Integration Times Band 2B	OK
Integration Times Band 3	OK
Integration Times Band 4	OK
Scan Mirror position	OK
Polarization Detectors	OK
FPA Temperatures A	OK
FPA Temperaturas B	OK
Charge Amp Temperatures	OK
Other Temperatures A	OK
DDHU Temperatures	OK
Optical Bench Temperatures	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 : 10-NOV-2010 00:21:09.884 : ORBIT : 81333.0244
 Last Product : 10-NOV-2010 23:17:37.881 : ORBIT : 81346.7071
 Total Products Processed : 17407 Day : 314 Page : 21



Ozone Line Ratio

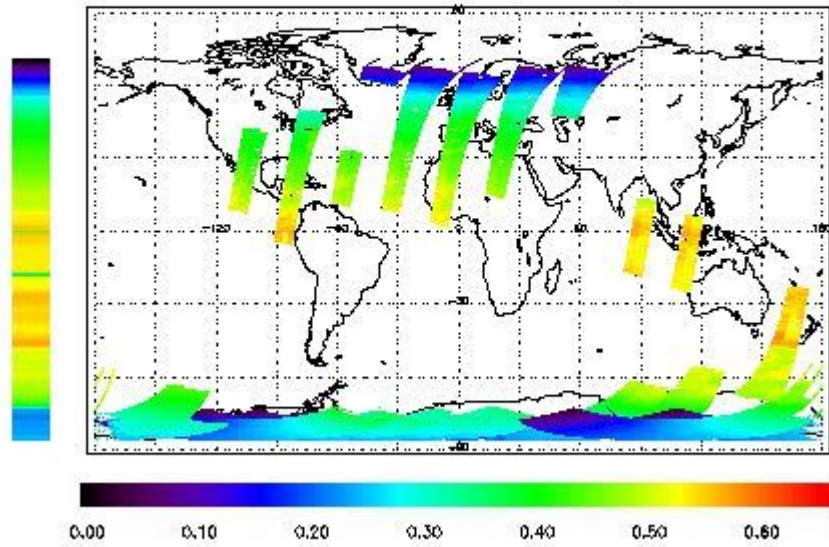
First Product : 10-NOV-2010 00:21:09.884 : ORBIT : 81333.0244

Last Product : 10-NOV-2010 23:17:37.891 : ORBIT : 81346.7071

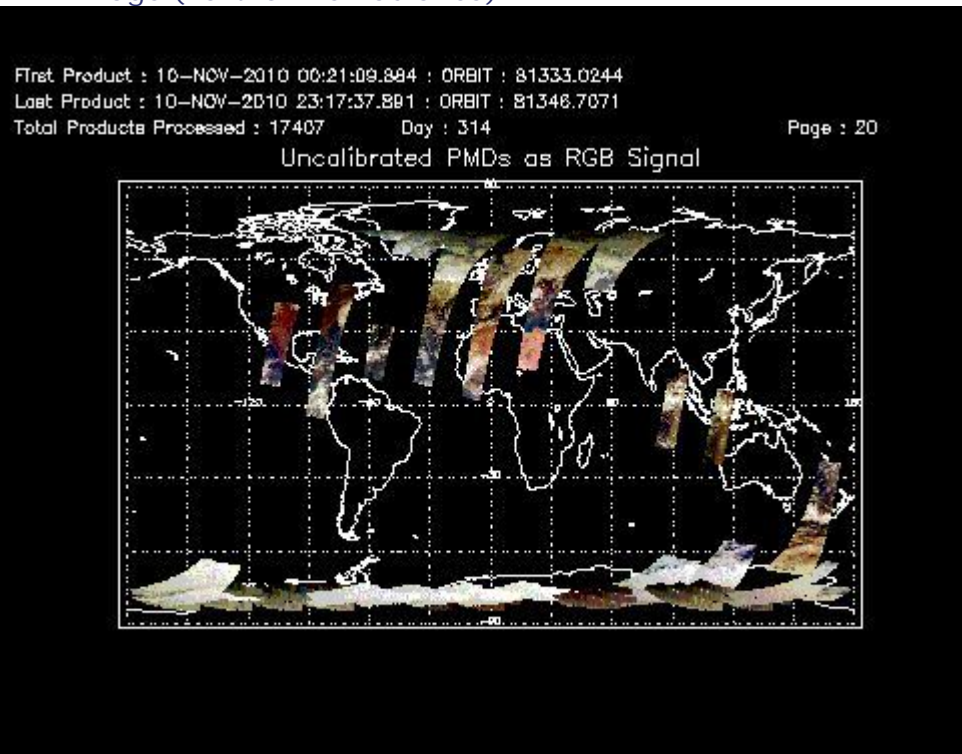
Total Products Processed : 17407 Day : 314

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	10:51:09.281	--	80895	Yes	--	15567

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
--	--	--	--

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