

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	11-NOV-2010
Start Time of First Product	23:48:52 (10-Nov)
Stop Time of Last Product	23:41:15
Number of EGOI Products analysed	33
Number of corrupted products	--
Anomalies and/or Special Operations	Nominal Data

1.2 - List of received products

Name	Date	Time
EGOI_101111CMEP1598.E2	11-NOV-2010	03:09:25.823
EGOI_101111CMEP1606.E2	11-NOV-2010	04:50:50.449
EGOI_101111CMEP1615.E2	11-NOV-2010	15:33:07.919
EGOI_101111CMEP1624.E2	11-NOV-2010	17:11:53.527
EGOI_101111KSEP9144.E2	11-NOV-2010	00:05:18.685
EGOI_101111KSEP9157.E2	11-NOV-2010	06:56:09.223
EGOI_101111KSEP9176.E2	11-NOV-2010	08:36:08.343
EGOI_101111KSEP9194.E2	11-NOV-2010	10:15:47.958
EGOI_101111KSEP9215.E2	11-NOV-2010	11:55:21.578

EGOI_101111KSEP9231.E2	11-NOV-2010	13:34:17.685
EGOI_101111KSEP9256.E2	11-NOV-2010	15:12:58.798
EGOI_101111KSEP9285.E2	11-NOV-2010	16:50:27.898
EGOI_101111KSEP9316.E2	11-NOV-2010	18:28:21.001
EGOI_101111KSEP9346.E2	11-NOV-2010	20:07:06.612
EGOI_101111KSEP9375.E2	11-NOV-2010	21:48:11.738
EGOI_101111KSEP9400.E2	11-NOV-2010	23:31:31.880
EGOI_101111MAEP9536.E2	11-NOV-2010	08:44:06.881
EGOI_101111MAEP9549.E2	11-NOV-2010	10:23:19.496
EGOI_101111MAEP9570.E2	11-NOV-2010	20:00:42.573
EGOI_101111MIEP5556.E2	11-NOV-2010	03:10:09.327
EGOI_101111MMEP8452.E2	11-NOV-2010	00:54:03.979
EGOI_101111MMEP8458.E2	11-NOV-2010	02:36:22.610
EGOI_101111MMEP8465.E2	11-NOV-2010	04:19:05.248
EGOI_101111MMEP8475.E2	11-NOV-2010	14:23:41.988
EGOI_101111MSEP6074.E2	10-NOV-2010	23:48:51.583
EGOI_101111MSEP6098.E2	11-NOV-2010	10:30:15.050
EGOI_101111MSEP6127.E2	11-NOV-2010	12:08:14.153
EGOI_101111MSEP6154.E2	11-NOV-2010	21:40:31.191
EGOI_101111MSEP6186.E2	11-NOV-2010	23:17:10.790
EGOI_101111SGEP9309.E2	11-NOV-2010	02:14:40.482
EGOI_101111SGEP9314.E2	11-NOV-2010	03:51:44.085
EGOI_101111SGEP9321.E2	11-NOV-2010	14:50:19.653
EGOI_101111SGEP9326.E2	11-NOV-2010	16:28:12.764

[[BACK TO MENU](#)]

1.3 - List of data gaps

Station	Orbit	Date	Start Time	Stop Time	Duration (s)
KS	81347	11-NOV-2010	00:03:26.997	00:05:18.685	111.68800
KS	81351	11-NOV-2010	06:54:16.630	06:56:09.222	112.59200
KS	81352	11-NOV-2010	08:33:40.965	08:36:08.343	147.37800
KS	81353	11-NOV-2010	10:13:18.639	10:15:47.957	149.31800
KS	81354	11-NOV-2010	11:52:47.255	11:55:21.578	154.32300
KS	81355	11-NOV-2010	13:31:48.752	13:34:17.684	148.93200
KS	81356	11-NOV-2010	15:10:13.452	15:12:58.797	165.34500
KS	81357	11-NOV-2010	16:47:50.071	16:50:27.897	157.82600
KS	81358	11-NOV-2010	18:25:49.995	18:28:21.000	151.00500
KS	81359	11-NOV-2010	20:05:02.628	20:07:06.611	123.98300
KS	81360	11-NOV-2010	21:46:08.056	21:48:11.737	123.68100
KS	81361	11-NOV-2010	23:29:53.915	23:31:31.879	97.964000
MS	81347	10-NOV-2010	23:46:33.576	23:48:51.582	138.00600

MS	81353	11-NOV-2010	10:27:38.212	10:30:15.050	156.83800
MS	81354	11-NOV-2010	12:05:46.931	12:08:14.153	147.22200
MS	81361	11-NOV-2010	23:14:55.091	23:17:10.790	135.69900
MA	81352	11-NOV-2010	08:42:36.014	08:44:06.880	90.866000
MA	81353	11-NOV-2010	10:21:21.999	10:23:19.495	117.49600
MA	81359	11-NOV-2010	19:58:05.953	20:00:42.572	156.61900
MI	81349	11-NOV-2010	03:07:53.183	03:10:09.327	136.14400
MM	81347	11-NOV-2010	00:52:36.327	00:54:03.979	87.652000
MM	81348	11-NOV-2010	02:35:10.545	02:36:22.609	72.064000
MM	81355	11-NOV-2010	14:21:55.704	14:23:41.987	106.28300
MM	81355	11-NOV-2010	14:27:09.011	14:34:38.971	449.96000
SG	81348	11-NOV-2010	02:12:47.314	02:14:40.481	113.16700
SG	81348	11-NOV-2010	02:16:19.493	02:22:01.801	342.30800
SG	81349	11-NOV-2010	03:49:43.233	03:51:44.084	120.85100
SG	81349	11-NOV-2010	03:54:18.599	04:03:17.281	538.68200
SG	81355	11-NOV-2010	14:45:43.138	14:50:19.653	276.51500
SG	81356	11-NOV-2010	16:25:28.550	16:28:12.764	164.21400
CM	81349	11-NOV-2010	03:08:07.778	03:09:25.822	78.044000
CM	81356	11-NOV-2010	15:31:46.189	15:33:07.918	81.729000
CM	81357	11-NOV-2010	17:10:28.925	17:11:53.526	84.601000

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

1.4 - List of missing products

Station	Orbit	Date	Start Time	Stop Time	Duration (s)
HO	81347	11-NOV-2010	00:40:48.127	00:54:59.713	851.58600
BE	81348	11-NOV-2010	01:59:48.572	02:11:35.130	706.55800
GS	81348	11-NOV-2010	01:34:36.103	01:46:38.743	722.64000
BE	81349	11-NOV-2010	03:38:46.251	03:51:40.525	774.27400
GS	81349	11-NOV-2010	03:12:41.415	03:26:30.447	829.03200
MM	81350	11-NOV-2010	06:00:37.771	06:06:38.696	360.92500
MI	81350	11-NOV-2010	04:49:23.756	04:58:34.886	551.13000
MM	81351	11-NOV-2010	07:41:42.554	07:49:42.571	480.01700
JO	81351	11-NOV-2010	07:19:54.517	07:33:24.723	810.20600
MM	81352	11-NOV-2010	09:22:09.212	09:32:26.033	616.82100
JO	81352	11-NOV-2010	08:58:44.870	09:12:51.856	846.98600
MM	81353	11-NOV-2010	11:02:18.532	11:14:10.385	711.85300

MM	81354	11-NOV-2010	12:42:14.413	12:54:50.790	756.37700
HO	81355	11-NOV-2010	14:31:02.245	14:42:51.052	708.80700
SG	81355	11-NOV-2010	14:45:43.138	14:58:30.022	766.88400
BE	81356	11-NOV-2010	14:55:51.338	15:08:21.190	749.85200
MM	81356	11-NOV-2010	16:01:20.729	16:13:55.598	754.86900
MI	81356	11-NOV-2010	15:28:07.079	15:40:58.779	771.70000
GS	81356	11-NOV-2010	15:22:04.841	15:35:37.796	812.95500
MM	81357	11-NOV-2010	17:40:31.899	17:53:03.862	751.96300
MI	81357	11-NOV-2010	17:08:12.217	17:18:52.912	640.69500
GS	81357	11-NOV-2010	17:01:41.777	17:14:24.187	762.41000
MM	81358	11-NOV-2010	19:19:41.358	19:32:20.954	759.59600
JO	81358	11-NOV-2010	19:39:58.246	19:52:38.374	760.12800
MM	81359	11-NOV-2010	20:59:10.671	21:11:53.979	763.30800
JO	81359	11-NOV-2010	21:18:27.074	21:32:58.335	871.26100
HO	81360	11-NOV-2010	22:31:35.753	22:43:58.985	743.23200
MM	81360	11-NOV-2010	22:39:22.804	22:51:42.802	739.99800
MA	81360	11-NOV-2010	21:37:41.034	21:50:26.397	765.36300

[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

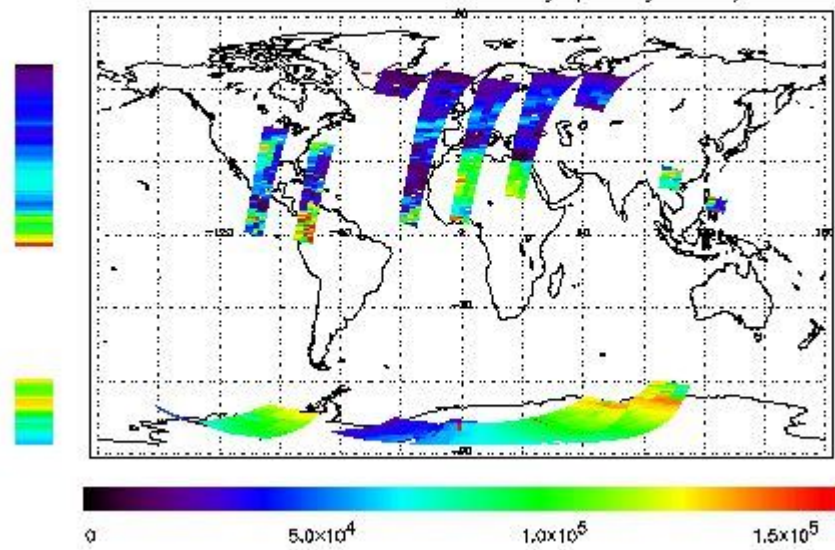
2.2 - Daily Plots

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 23:48:51.583 : ORBIT : 81347.0176
 Last Product : 11-NOV-2010 23:41:15.438 : ORBIT : 81361.2583
 Total Products Processed : 14588 Day : 315 Page : 21

778 nm Uncalibrated Intensity (Binary Units)



Ozone Line Ratio

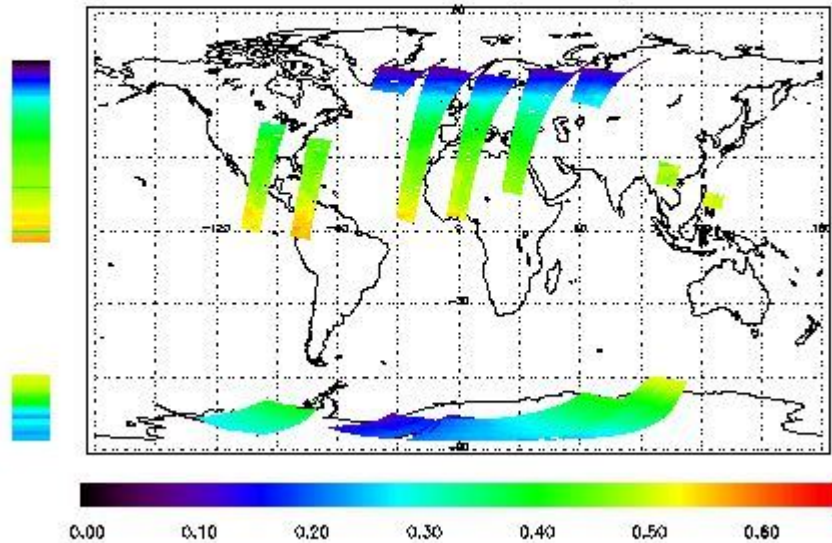
First Product : 10-NOV-2010 23:48:51.583 : ORBIT : 81347.0176

Last Product : 11-NOV-2010 23:41:15.438 : ORBIT : 81361.2563

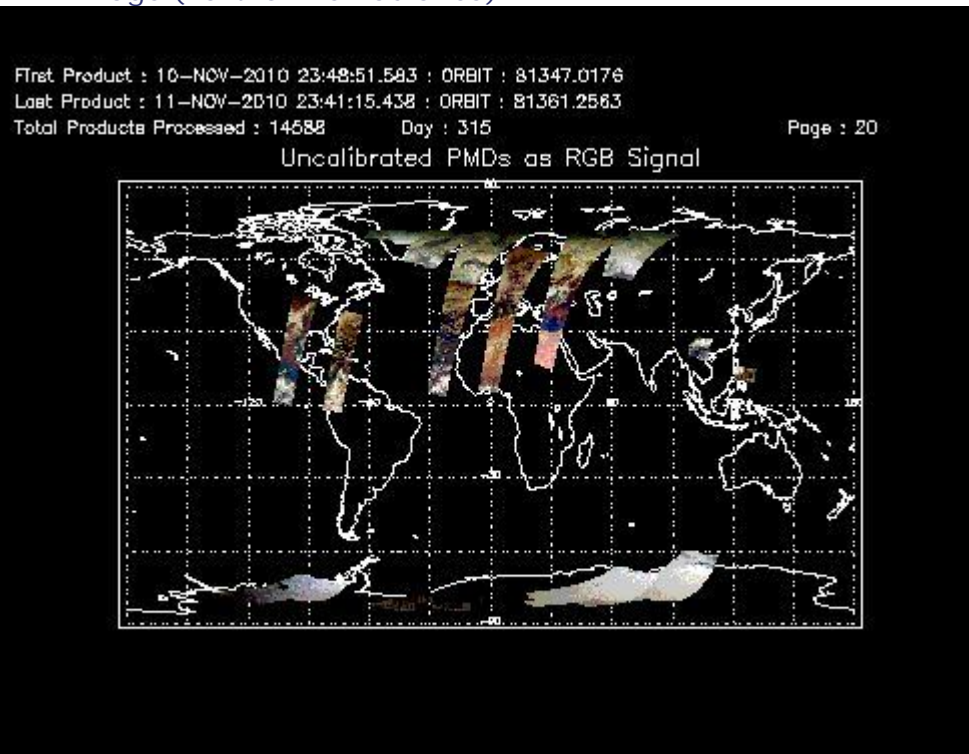
Total Products Processed : 14588 Day : 315

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	19:19:35.985	--	81353	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)
--	--	--	--	--	--	--	--

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
--	--	--	--

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