

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	29-NOV-2009
Start Time of First Product	23:54:42 (28-Nov)
Stop Time of Last Product	23:36:38
Number of EGOI Products analysed	26
Number of corrupted products	--
Anomalies and/or Special Operations	Nominal Data

1.2 - List of received products

Name	Date	Time
OI_091129BEEP1290.E2;1	29-NOV-2009	03:47:10.742
EGOI_091129GSEP4092.E2	29-NOV-2009	03:20:30.082
EGOI_091129GSEP4101.E2	29-NOV-2009	05:03:12.712
EGOI_091129HLEP4300.E2	29-NOV-2009	00:51:30.661
EGOI_091129KSEP2685.E2	29-NOV-2009	07:01:50.948
EGOI_091129KSEP2707.E2	29-NOV-2009	08:41:50.059
EGOI_091129KSEP2741.E2	29-NOV-2009	10:21:29.674
EGOI_091129KSEP2768.E2	29-NOV-2009	12:01:00.293
EGOI_091129KSEP2800.E2	29-NOV-2009	13:39:56.400

EGOI_091129KSEP2828.E2	29-NOV-2009	15:18:28.511
EGOI_091129KSEP2860.E2	29-NOV-2009	16:56:05.110
EGOI_091129KSEP2895.E2	29-NOV-2009	18:33:56.725
EGOI_091129KSEP2930.E2	29-NOV-2009	20:12:42.341
EGOI_091129KSEP2961.E2	29-NOV-2009	21:54:00.968
EGOI_091129MAEP6349.E2	29-NOV-2009	08:49:21.610
EGOI_091129MAEP6372.E2	29-NOV-2009	20:06:18.302
EGOI_091129MIEP5887.E2	29-NOV-2009	01:42:32.475
EGOI_091129MIEP5911.E2	29-NOV-2009	03:15:49.550
EGOI_091129MIEP5935.E2	29-NOV-2009	04:57:44.177
EGOI_091129MSEP5894.E2	28-NOV-2009	23:54:42.309
EGOI_091129MSEP5920.E2	29-NOV-2009	10:35:41.776
EGOI_091129MSEP5949.E2	29-NOV-2009	12:14:06.389
EGOI_091129MSEP5974.E2	29-NOV-2009	21:45:47.417
EGOI_091129MSEP6006.E2	29-NOV-2009	23:22:55.517
EGOI_091129SGEP1697.E2	29-NOV-2009	02:20:01.209
EGOI_091129SGEP1705.E2	29-NOV-2009	03:57:37.805

[[BACK TO MENU](#)]

1.3 - List of data gaps

Station	Orbit	Date	Start Time	Stop Time	Duration (s)
KS	76384	29-NOV-2009	06:59:56.239	07:01:50.947	114.70800
KS	76385	29-NOV-2009	08:39:22.483	08:41:50.059	147.57600
KS	76386	29-NOV-2009	10:19:00.104	10:21:29.673	149.56900
KS	76387	29-NOV-2009	11:58:27.687	12:01:00.292	152.60500
KS	76388	29-NOV-2009	13:37:27.033	13:39:56.400	149.36700
KS	76389	29-NOV-2009	15:15:45.517	15:18:28.511	162.99400
KS	76390	29-NOV-2009	16:53:24.457	16:56:05.109	160.65200
KS	76391	29-NOV-2009	18:31:27.762	18:33:56.724	148.96200
KS	76392	29-NOV-2009	20:10:45.834	20:12:42.341	116.50700
KS	76393	29-NOV-2009	21:51:58.867	21:54:00.967	122.10000
GS	76382	29-NOV-2009	03:18:25.733	03:20:30.082	124.34900
MS	76380	28-NOV-2009	23:52:23.173	23:54:42.309	139.13600
MS	76386	29-NOV-2009	10:33:07.042	10:35:41.775	154.73300
MS	76387	29-NOV-2009	12:11:30.016	12:14:06.389	156.37300
MS	76394	29-NOV-2009	23:20:37.433	23:22:55.516	138.08300
MA	76385	29-NOV-2009	08:47:50.089	08:49:21.609	91.520000
MA	76392	29-NOV-2009	20:03:38.754	20:06:18.301	159.54700
MI	76382	29-NOV-2009	03:13:29.454	03:15:49.550	140.09600
MI	76383	29-NOV-2009	04:55:32.516	04:57:44.176	131.66000

BE	76382	29-NOV-2009	03:44:30.008	03:47:10.742	160.73400
SG	76381	29-NOV-2009	02:18:02.261	02:20:01.209	118.94800
SG	76382	29-NOV-2009	03:55:28.578	03:57:37.804	129.22600

[[BACK TO MENU](#)]

1.4 - List of missing products

Station	Orbit	Date	Start Time	Stop Time	Duration (s)
MM	76380	29-NOV-2009	00:58:26.435	01:08:58.399	631.96400
MS	76380	28-NOV-2009	23:52:23.173	00:04:55.788	752.61500
BE	76381	29-NOV-2009	02:05:22.705	02:17:27.972	725.26700
MM	76381	29-NOV-2009	02:41:03.672	02:49:22.448	498.77600
GS	76381	29-NOV-2009	01:40:05.194	01:52:23.675	738.48100
SG	76381	29-NOV-2009	02:18:02.261	02:28:05.596	603.33500
MI	76382	29-NOV-2009	03:13:29.454	03:26:45.303	795.84900
CM	76382	29-NOV-2009	04:52:28.904	05:03:21.850	652.94600
MM	76383	29-NOV-2009	06:06:26.113	06:12:31.248	365.13500
MI	76383	29-NOV-2009	04:55:32.516	05:03:52.184	499.66800
MM	76384	29-NOV-2009	07:47:27.633	07:55:35.915	488.28200
KS	76384	29-NOV-2009	06:59:56.239	07:09:22.303	566.06400
MM	76385	29-NOV-2009	09:27:52.986	09:38:16.599	623.61300
KS	76385	29-NOV-2009	08:39:22.483	08:52:30.198	787.71500
HO	76386	29-NOV-2009	11:18:38.841	11:28:55.493	616.65200
MM	76386	29-NOV-2009	11:08:01.515	11:19:57.216	715.70100
KS	76386	29-NOV-2009	10:19:00.104	10:32:59.746	839.64200
MS	76386	29-NOV-2009	10:33:07.042	10:43:44.824	637.78200
MM	76387	29-NOV-2009	12:47:56.610	13:00:34.210	757.60000
KS	76387	29-NOV-2009	11:58:27.687	12:11:47.241	799.55400
MM	76388	29-NOV-2009	14:27:37.009	14:40:19.974	762.96500
KS	76388	29-NOV-2009	13:37:27.033	13:49:36.710	729.67700
BE	76389	29-NOV-2009	15:01:41.926	15:13:56.693	734.76700
MM	76389	29-NOV-2009	16:07:01.103	16:19:35.514	754.41100
MI	76389	29-NOV-2009	15:33:42.903	15:46:45.388	782.48500
KS	76389	29-NOV-2009	15:15:45.517	15:27:25.912	700.39500
SG	76389	29-NOV-2009	16:31:25.163	16:42:19.937	654.77400
CM	76389	29-NOV-2009	15:37:12.910	15:47:51.459	638.54900
MM	76390	29-NOV-2009	17:46:11.743	17:58:43.916	752.17300

MI	76390	29-NOV-2009	17:14:05.273	17:24:13.994	608.72100
KS	76390	29-NOV-2009	16:53:24.457	17:05:56.650	752.19300
CM	76390	29-NOV-2009	17:16:18.725	17:27:04.860	646.13500
MM	76391	29-NOV-2009	19:25:21.695	19:38:01.817	760.12200
KS	76391	29-NOV-2009	18:31:27.762	18:45:07.879	820.11700
JO	76391	29-NOV-2009	19:45:27.843	19:58:33.730	785.88700
MM	76392	29-NOV-2009	21:04:52.870	21:17:35.790	762.92000
MA	76392	29-NOV-2009	20:03:38.754	20:17:06.451	807.69700
JO	76392	29-NOV-2009	21:24:11.634	21:38:31.366	859.73200
HO	76393	29-NOV-2009	22:37:02.665	22:49:42.877	760.21200
MA	76393	29-NOV-2009	21:43:49.478	21:56:01.369	731.89100
WF	76393	29-NOV-2009	21:47:39.719	22:02:08.059	868.34000
MM	76393	29-NOV-2009	22:45:08.037	22:57:25.450	737.41300
MA	76393	29-NOV-2009	21:43:49.478	21:56:01.369	731.89100
WF	76393	29-NOV-2009	21:47:39.719	22:02:08.059	868.34000

[[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

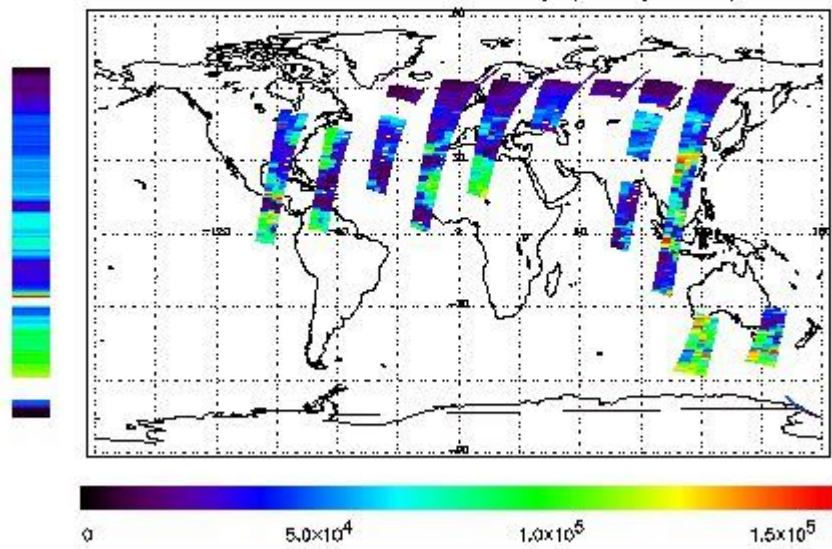
2.2 - Daily Plots

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 : 27-NOV-2009 01:00:51.910 : ORBIT : 76352.0476
 Last Product : 27-NOV-2009 23:50:24.374 : ORBIT : 76365.6615
 Total Products Processed : 17155 Day : 331 Page : 21

778 nm Uncalibrated Intensity (Binary Units)



Ozone Line Ratio

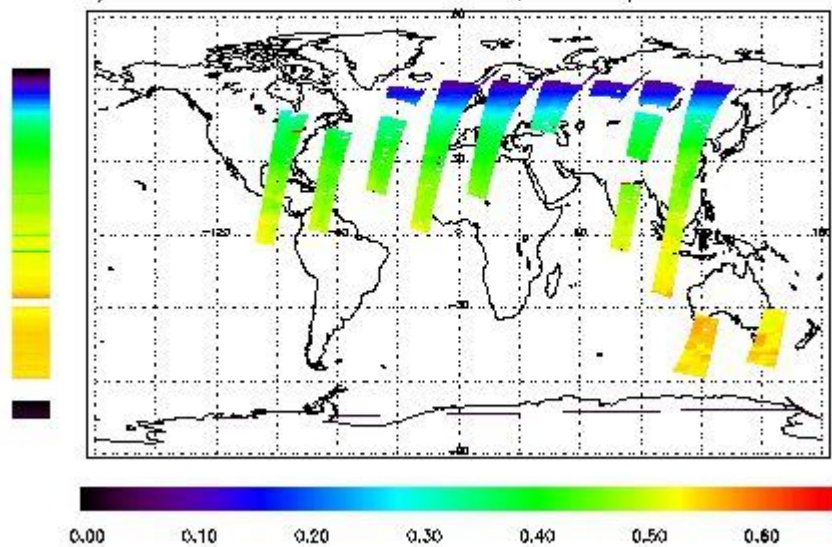
First Product : 27-NOV-2009 01:00:51.910 : ORBIT : 76352.0476

Last Product : 27-NOV-2009 23:50:24.374 : ORBIT : 76365.6615

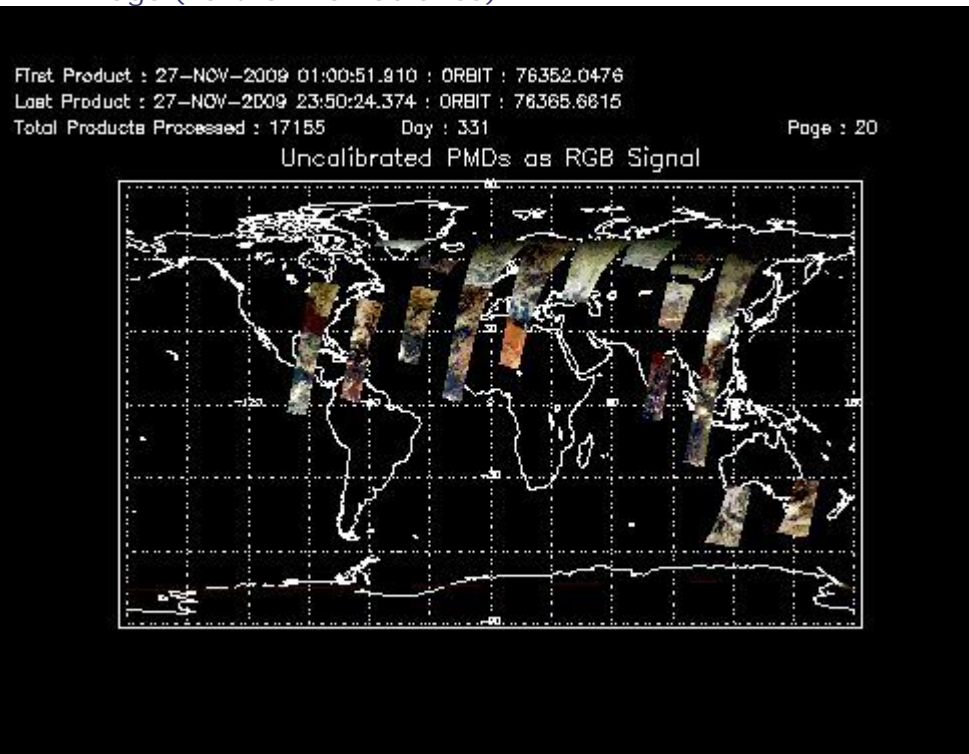
Total Products Processed : 17155 Day : 331

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	12:07:07.827	--	76387	Yes	--	15775

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