

GOME Daily Report

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1 - General Info

1.1 - Report Summary

Item	Value
Report Version	GOMEver3_3
Report of Day	28-NOV-2009
Start Time of First Product	00:26:52
Stop Time of Last Product	23:23:21
Number of EGOI Products analysed	32
Number of corrupted products	--
Anomalies and/or Special Operations	Nominal Data

1.2 - List of received products

Name	Date	Time
OI_091128BEEP1278.E2;1	28-NOV-2009	02:38:52.417
EGOI_091128BEEP1284.E2	28-NOV-2009	04:18:41.032
EGOI_091128GSEP4027.E2	28-NOV-2009	02:13:10.261
EGOI_091128GSEP4053.E2	28-NOV-2009	03:52:19.872
EGOI_091128GSEP4061.E2	28-NOV-2009	05:34:50.510
EGOI_091128HLEP4285.E2	28-NOV-2009	21:39:21.971
EGOI_091128HLEP4292.E2	28-NOV-2009	23:12:40.546
EGOI_091128KSEP2411.E2	28-NOV-2009	07:33:09.242
EGOI_091128KSEP2432.E2	28-NOV-2009	09:13:08.358

EGOI_091128KSEP2458.E2	28-NOV-2009	10:52:47.977
EGOI_091128KSEP2486.E2	28-NOV-2009	12:32:08.093
EGOI_091128KSEP2499.E2	28-NOV-2009	14:11:04.200
EGOI_091128KSEP2528.E2	28-NOV-2009	15:49:03.308
EGOI_091128KSEP2556.E2	28-NOV-2009	17:26:51.912
EGOI_091128KSEP2591.E2	28-NOV-2009	19:04:52.519
EGOI_091128KSEP2626.E2	28-NOV-2009	20:44:17.134
EGOI_091128KSEP2656.E2	28-NOV-2009	22:26:28.264
EGOI_091128MAEP6325.E2	28-NOV-2009	09:20:17.405
EGOI_091128MAEP6334.E2	28-NOV-2009	11:00:24.024
EGOI_091128MIEP5796.E2	28-NOV-2009	02:10:11.745
EGOI_091128MIEP5818.E2	28-NOV-2009	03:47:01.840
EGOI_091128MIEP5837.E2	28-NOV-2009	14:30:35.822
EGOI_091128MIEP5856.E2	28-NOV-2009	16:07:04.918
EGOI_091128MIEP5874.E2	28-NOV-2009	17:49:46.053
EGOI_091128MMEP1325.E2	28-NOV-2009	16:40:02.122
EGOI_091128MSEP5781.E2	28-NOV-2009	00:26:51.601
EGOI_091128MSEP5805.E2	28-NOV-2009	11:06:00.055
EGOI_091128MSEP5832.E2	28-NOV-2009	12:45:45.671
EGOI_091128MSEP5864.E2	28-NOV-2009	22:15:28.194
EGOI_091128SGEP1674.E2	28-NOV-2009	02:49:53.988
EGOI_091128SGEP1682.E2	28-NOV-2009	04:29:33.599
EGOI_091128SGEP1690.E2	28-NOV-2009	17:09:20.307

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1.3 - List of data gaps

Station	Orbit	Date	Start Time	Stop Time	Duration (s)
KS	76370	28-NOV-2009	07:31:07.813	07:33:09.241	121.42800
KS	76371	28-NOV-2009	09:10:41.217	09:13:08.358	147.14100
KS	76372	28-NOV-2009	10:50:17.506	10:52:47.976	150.47000
KS	76373	28-NOV-2009	12:29:38.332	12:32:08.093	149.76100
KS	76374	28-NOV-2009	14:08:31.233	14:11:04.200	152.96700
KS	76375	28-NOV-2009	15:46:25.764	15:49:03.307	157.54300
KS	76376	28-NOV-2009	17:24:18.516	17:26:51.911	153.39500
KS	76377	28-NOV-2009	19:02:30.153	19:04:52.519	142.36600
KS	76378	28-NOV-2009	20:42:20.351	20:44:17.134	116.78300
KS	76379	28-NOV-2009	22:24:17.860	22:26:28.263	130.40300
GS	76367	28-NOV-2009	02:10:39.721	02:13:10.260	150.53900
GS	76368	28-NOV-2009	03:50:17.157	03:52:19.871	122.71400
MS	76366	28-NOV-2009	00:24:58.333	00:26:51.601	113.26800
MS	76372	28-NOV-2009	11:03:28.051	11:06:00.055	152.00400

MS	76373	28-NOV-2009	12:43:10.565	12:45:45.670	155.10500
MS	76379	28-NOV-2009	22:13:29.081	22:15:28.193	119.11200
MS	76380	28-NOV-2009	23:52:23.173	23:54:42.309	139.13600
MA	76371	28-NOV-2009	09:19:00.979	09:20:17.404	76.425000
MA	76372	28-NOV-2009	10:58:49.004	11:00:24.023	95.019000
MI	76367	28-NOV-2009	02:07:55.231	02:10:11.745	136.51400
MI	76368	28-NOV-2009	03:44:41.308	03:47:01.839	140.53100
MI	76374	28-NOV-2009	14:28:29.536	14:30:35.822	126.28600
MI	76375	28-NOV-2009	16:04:46.281	16:07:04.917	138.63600
MI	76376	28-NOV-2009	17:47:23.317	17:49:46.053	142.73600
MM	76375	28-NOV-2009	16:38:12.364	16:40:02.121	109.75700
BE	76367	28-NOV-2009	02:36:14.396	02:38:52.417	158.02100
BE	76368	28-NOV-2009	04:16:09.710	04:18:41.032	151.32200
SG	76367	28-NOV-2009	02:47:47.170	02:49:53.987	126.81700
SG	76367	28-NOV-2009	02:56:16.527	03:00:36.549	260.02200
SG	76368	28-NOV-2009	04:27:34.918	04:29:33.599	118.68100
SG	76368	28-NOV-2009	04:35:15.634	04:39:00.061	224.42700

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1.4 - List of missing products

Station	Orbit	Date	Start Time	Stop Time	Duration (s)
HO	76366	28-NOV-2009	01:18:39.507	01:31:19.390	759.88300
MM	76366	28-NOV-2009	01:30:35.679	01:40:29.528	593.84900
GS	76366	28-NOV-2009	00:35:33.460	00:42:46.613	433.15300
MM	76367	28-NOV-2009	03:13:27.491	03:21:01.095	453.60400
CM	76367	28-NOV-2009	03:43:47.132	03:55:54.805	727.67300
MM	76368	28-NOV-2009	04:56:26.716	05:02:17.522	350.80600
MM	76369	28-NOV-2009	06:38:17.453	06:44:53.259	395.80600
KS	76369	28-NOV-2009	05:52:41.826	05:56:43.245	241.41900
CM	76369	28-NOV-2009	05:25:39.730	05:32:48.298	428.56800
JO	76369	28-NOV-2009	06:22:01.993	06:28:01.963	359.97000
MM	76370	28-NOV-2009	08:19:03.787	08:27:57.327	533.54000
JO	76370	28-NOV-2009	07:55:55.595	08:10:46.584	890.98900
MM	76371	28-NOV-2009	09:59:22.862	10:10:21.009	658.14700
JO	76371	28-NOV-2009	09:37:12.119	09:48:35.833	683.71400
MM	76372	28-NOV-2009	11:39:27.154	11:51:41.053	733.89900

MM	76373	28-NOV-2009	13:19:17.843	13:32:00.096	762.25300
HO	76374	28-NOV-2009	15:08:50.648	15:17:23.735	513.08700
MM	76374	28-NOV-2009	14:58:53.217	15:11:33.848	760.63100
GS	76374	28-NOV-2009	14:20:37.971	14:30:54.261	616.29000
SG	76374	28-NOV-2009	15:21:58.719	15:35:51.288	832.56900
BE	76375	28-NOV-2009	15:34:18.814	15:44:23.438	604.62400
GS	76375	28-NOV-2009	15:58:53.796	16:12:49.829	836.03300
CM	76375	28-NOV-2009	16:07:41.542	16:19:53.177	731.63500
MM	76376	28-NOV-2009	18:17:20.904	18:29:54.887	753.98300
GS	76376	28-NOV-2009	17:39:06.797	17:49:56.266	649.46900
CM	76376	28-NOV-2009	17:49:02.211	17:56:15.842	433.63100
MM	76377	28-NOV-2009	19:56:34.921	20:09:17.544	762.62300
MA	76377	28-NOV-2009	19:00:51.429	19:05:59.761	308.33200
JO	76377	28-NOV-2009	20:16:02.666	20:30:39.248	876.58200
MM	76378	28-NOV-2009	21:36:17.672	21:48:56.674	759.00200
MA	76378	28-NOV-2009	20:34:25.644	20:48:06.171	820.52700
JO	76378	28-NOV-2009	21:56:01.260	22:08:39.124	757.86400
MM	76379	28-NOV-2009	23:16:50.464	23:28:50.809	720.34500
MA	76379	28-NOV-2009	22:17:25.167	22:26:22.702	537.53500
MS	76380	28-NOV-2009	23:52:23.173	00:04:55.788	[sec]

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1.5 - List of corrupted products

Station	Orbit	Time
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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

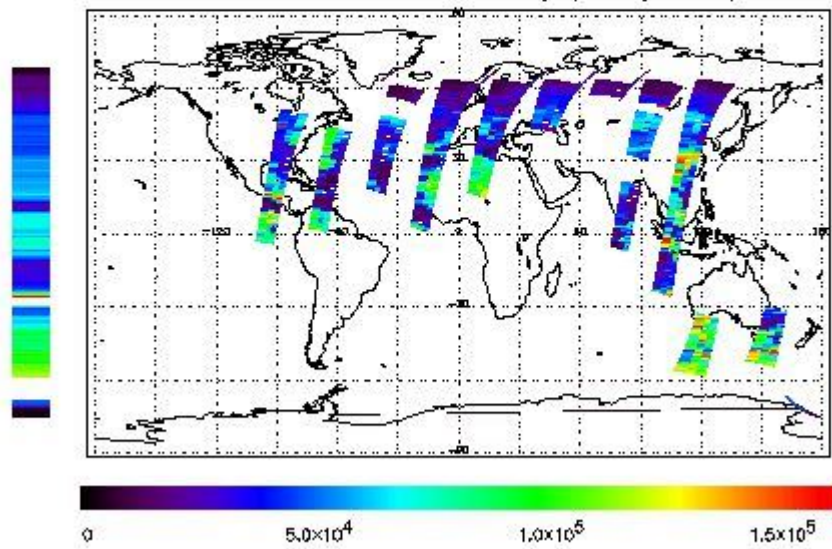
2.2 - Daily Plots

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)

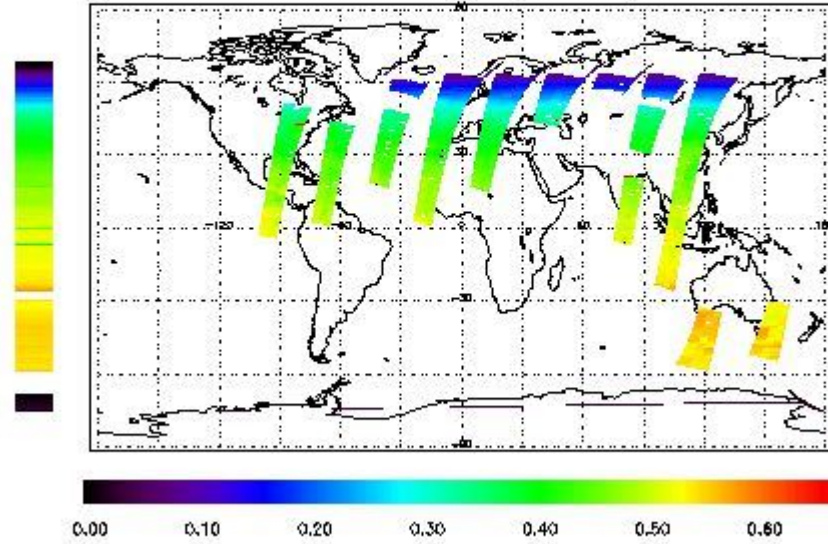


Ozone Line Ratio

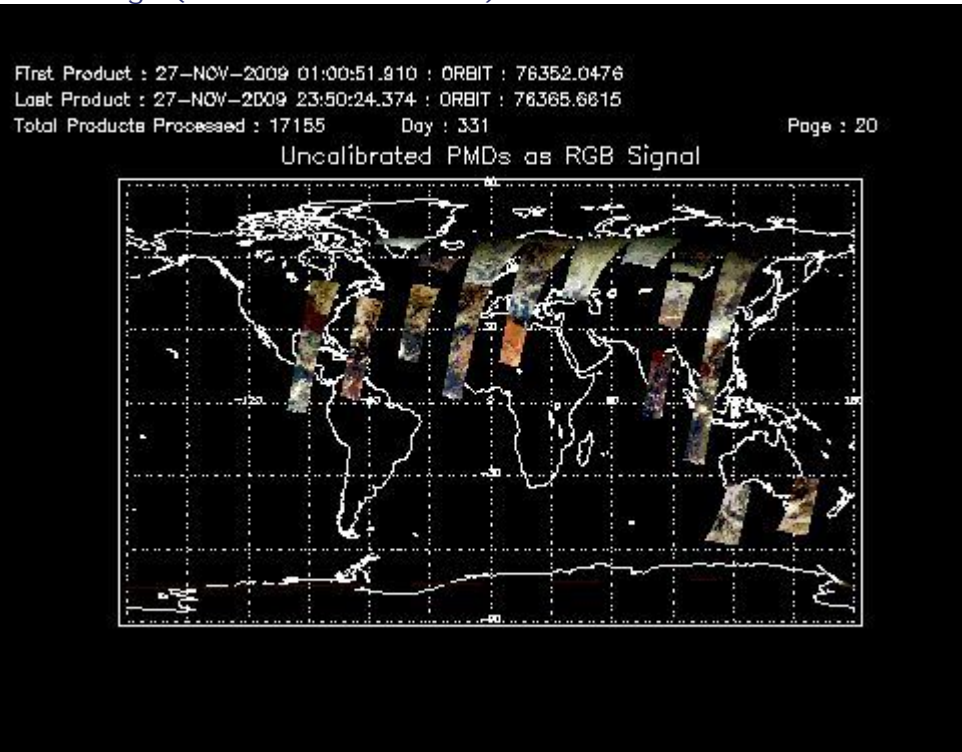
First Product : 27-NOV-2009 01:00:51.910 : ORBIT : 76352.0476
 Last Product : 27-NOV-2009 23:50:24.374 : ORBIT : 76365.6615
 Total Products Processed : 17155 Day : 331

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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	12:38:26.132	--	76373	Yes	--	15768

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)
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4 - Instrument Anomalies

4.1 - Single Event Upset (SEU)

Start Time	End Time	Start Orbit	End Orbit	Ground Station Visibility
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4.2 - Instrument Off

Start Time	End Time	Start Orbit	End Orbit	MPS Resumption	Ground Station Visibility
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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
--	--	--	--	--	--	--	--	--

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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
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(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