GOME Daily Report

INDEX

1 - General Info

1.1 - Report Summary

Item	Value
Report Version	GOMEver3_3
Report of Day	01-NOV-2009
Start Time of First Product	23:49:39 (31-OCT-2009)
Stop Time of Last Product	23:27:06
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
OI_091101BEEP1073.E2;1	01-NOV-2009	03:27:03.799
EGOI_091101GSEP1996.E2	01-NOV-2009	01:23:03.035
EGOI_091101GSEP2024.E2	01-NOV-2009	03:00:23.134
EGOI_091101GSEP2051.E2	01-NOV-2009	04:42:37.269
EGOI_091101GSEP2058.E2	01-NOV-2009	06:24:36.394
EGOI_091101KSEP4677.E2	31-OCT-2009	23:49:39.966
EGOI_091101KSEP4694.E2	01-NOV-2009	06:41:58.997
EGOI_091101KSEP4716.E2	01-NOV-2009	08:21:56.614
EGOI_091101KSEP4738.E2	01-NOV-2009	10:01:36.225

EGOI_091101KSEP4764.E2	01-NOV-2009	11:41:11.344
EGOI_091101KSEP4785.E2	01-NOV-2009	13:20:11.948
EGOI_091101KSEP4797.E2	01-NOV-2009	14:58:54.558
EGOI_091101KSEP4816.E2	01-NOV-2009	16:36:31.155
EGOI_091101KSEP4847.E2	01-NOV-2009	18:14:30.258
EGOI_091101KSEP4882.E2	01-NOV-2009	19:52:57.870
EGOI_091101KSEP4907.E2	01-NOV-2009	21:33:40.486
EGOI_091101KSEP4935.E2	01-NOV-2009	23:16:39.620
EGOI_091101MAEP5506.E2	01-NOV-2009	08:29:55.161
EGOI_091101MAEP5521.E2	01-NOV-2009	10:09:03.272
EGOI_091101MAEP5538.E2	01-NOV-2009	21:25:47.939
EGOI_091101MIEP3106.E2	01-NOV-2009	02:56:18.611
EGOI_091101MIEP3133.E2	01-NOV-2009	04:36:38.730
EGOI_091101MIEP3160.E2	01-NOV-2009	15:16:30.665
EGOI_091101MIEP3188.E2	01-NOV-2009	16:55:59.780
EGOI_091101MSEP2587.E2	01-NOV-2009	10:16:36.323
EGOI_091101MSEP2616.E2	01-NOV-2009	11:54:06.919
EGOI_091101MSEP2636.E2	01-NOV-2009	13:36:07.549
EGOI_091101MSEP2653.E2	01-NOV-2009	21:27:26.947
EGOI_091101MSEP2685.E2	01-NOV-2009	23:02:57.534
EGOI_091101SGEP0883.E2	01-NOV-2009	02:02:31.782
EGOI_091101SGEP0891.E2	01-NOV-2009	03:38:00.869
EGOI_091101SGEP0899.E2	01-NOV-2009	14:35:10.910
EGOI_091101SGEP0905.E2	01-NOV-2009	16:13:41.514

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1.3 - List of data gaps

Station	Orbit	Date	Start Time	Stop Time	Duration (s)
KS	75983	01-NOV-2009	06:40:08.954	06:41:58.996	110.04200
KS	75984	01-NOV-2009	08:19:27.321	08:21:56.613	149.29200
KS	75985	01-NOV-2009	09:59:04.847	10:01:36.224	151.37700
KS	75986	01-NOV-2009	11:38:35.796	11:41:11.344	155.54800
KS	75987	01-NOV-2009	13:17:42.386	13:20:11.948	149.56200
KS	75988	01-NOV-2009	14:56:18.663	14:58:54.557	155.89400
KS	75989	01-NOV-2009	16:33:56.000	16:36:31.154	155.15400
KS	75990	01-NOV-2009	18:11:46.609	18:14:30.258	163.64900
KS	75991	01-NOV-2009	19:50:46.201	19:52:57.870	131.66900
KS	75992	01-NOV-2009	21:31:33.207	21:33:40.486	127.27900
KS	75993	01-NOV-2009	23:14:51.148	23:16:39.620	108.47200
GS	75980	01-NOV-2009	01:20:57.676	01:23:03.034	125.35800
GS	75981	01-NOV-2009	02:58:24.574	03:00:23.133	118.55900

GS	75982	01-NOV-2009	04:40:49.140	04:42:37.268	108.12800
MS	75985	01-NOV-2009	10:14:00.794	10:16:36.323	155.52900
MS	75986	01-NOV-2009	11:51:27.498	11:54:06.918	159.42000
MS	75993	01-NOV-2009	23:00:44.419	23:02:57.534	133.11500
MA	75984	01-NOV-2009	08:28:21.458	08:29:55.160	93.702000
MA	75985	01-NOV-2009	10:07:08.310	10:09:03.271	114.96100
MA	75992	01-NOV-2009	21:23:11.241	21:25:47.939	156.69800
MI	75981	01-NOV-2009	02:53:58.185	02:56:18.610	140.42500
MI	75982	01-NOV-2009	04:34:18.596	04:36:38.730	140.13400
MI	75988	01-NOV-2009	15:14:12.351	15:16:30.665	138.31400
MI	75989	01-NOV-2009	16:53:36.221	16:55:59.779	143.55800
BE	75981	01-NOV-2009	03:24:28.806	03:27:03.798	154.99200
SG	75981	01-NOV-2009	03:35:25.383	03:38:00.869	155.48600
SG	75987	01-NOV-2009	14:32:04.159	14:35:10.909	186.75000
SG	75988	01-NOV-2009	16:10:46.514	16:13:41.513	174.99900

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1.4 - List of missing products

Station	Orbit	Date	Start Time	Stop Time	Duration (s)
HO	75979	01-NOV-2009	00:26:14.532	00:40:52.434	877.90200
MM	75979	01-NOV-2009	00:38:01.975	00:48:55.772	653.79700
BE	75980	01-NOV-2009	01:45:58.002	01:56:45.762	647.76000
MM	75980	01-NOV-2009	02:20:28.257	02:29:15.851	527.59400
MM	75981	01-NOV-2009	04:03:32.958	04:10:04.036	391.07800
CM	75981	01-NOV-2009	02:54:50.711	03:03:19.576	508.86500
CM	75981	01-NOV-2009	04:32:03.570	04:44:00.162	716.59200
MM	75982	01-NOV-2009	05:46:05.677	05:51:58.277	352.60000
MM	75983	01-NOV-2009	07:27:19.337	07:34:58.862	459.52500
JO	75983	01-NOV-2009	07:06:18.730	07:18:53.028	754.29800
MM	75984	01-NOV-2009	09:07:49.541	09:17:48.736	599.19500
JO	75984	01-NOV-2009	08:44:15.557	08:58:53.512	877.95500
MM	75985	01-NOV-2009	10:48:00.880	10:59:42.365	701.48500
MM	75986	01-NOV-2009	12:27:58.706	12:40:31.470	752.76400
MA	75986	01-NOV-2009	11:48:56.295	11:54:34.570	338.27500
HO	75987	01-NOV-2009	14:16:36.881	14:29:24.321	767.44000
MM	75987	01-NOV-2009	14:07:42.202	14:20:25.993	763.79100

BE	75988	01-NOV-2009	14:41:20.451	14:54:19.236	778.78500
MM	75988	01-NOV-2009	15:47:09.571	15:59:45.679	756.10800
GS	75988	01-NOV-2009	15:07:59.745	15:21:08.561	788.81600
CM	75988	01-NOV-2009	15:18:21.654	15:26:52.078	510.42400
MM	75989	01-NOV-2009	17:26:22.236	17:38:53.857	751.62100
GS	75989	01-NOV-2009	16:47:22.316	17:00:33.617	791.30100
CM	75989	01-NOV-2009	16:56:00.556	17:07:51.868	711.31200
MM	75990	01-NOV-2009	19:05:30.785	19:18:09.030	758.24500
JO	75990	01-NOV-2009	19:26:22.092	19:37:40.451	678.35900
MM	75991	01-NOV-2009	20:44:55.780	20:57:39.674	763.89400
MA	75991	01-NOV-2009	19:44:18.177	19:56:44.564	746.38700
JO	75991	01-NOV-2009	21:04:08.737	21:19:00.572	891.83500
HO	75992	01-NOV-2009	22:18:01.539	22:29:37.366	695.82700
MM	75992	01-NOV-2009	22:25:00.575	22:37:26.374	745.79900
JO	75992	01-NOV-2009	22:46:48.376	22:53:00.619	372.24300
HO	75993	01-NOV-2009	23:55:08.668	00:09:38.960	870.29200

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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

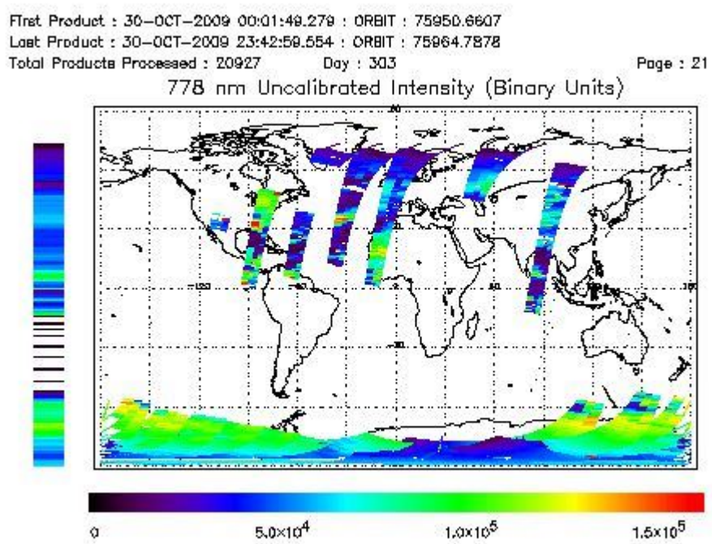
Indicator	Value
MPH Product Confidence	OK
SPH Product Confidence	OK
Command Word Echo Summary	OK
Instrument Status 1A	OK
Instrument Status 1B	OK
Instrument Status 2	OK
Integration Times Channel 1	OK
Co-Adding and Cluster Mode Flags	OK
Integration Times Band 2A	OK
Integration Times Band 2B	OK
Integration 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

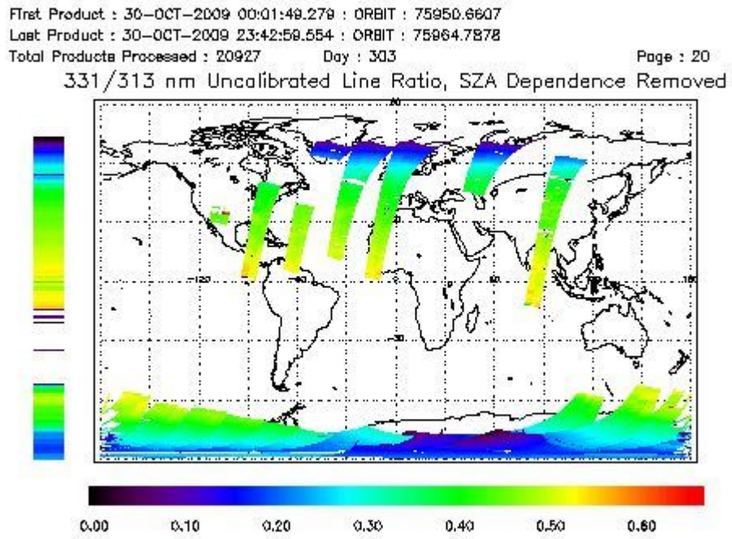
2.2 - Daily Plots

The images linked below provide a quick check on the data coverage and instrument performance. All data are UNCALIBRATED. For the explaination see the GOME Performance Legend

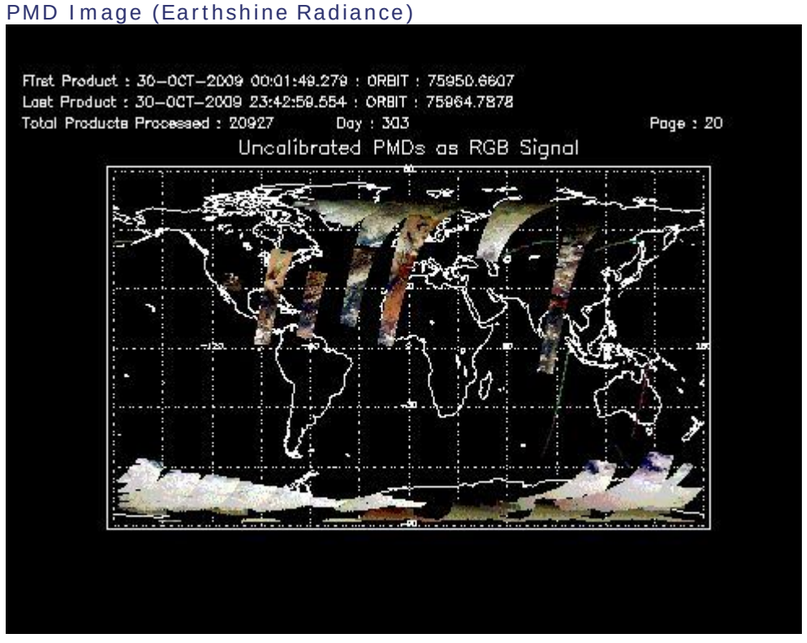
NEAR IR Intensity



Ozone Line Ratio



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	13:25:37	--	75087	Yes	--	15518

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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(1)

[BACK TO MENU]

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
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5.2 - TST44

Start Time	Start Orbit	Ground Station Visibility
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5.3 - Power Cycle

Start Time	End Time	Start Orbit	End Orbit	Ground Station Visibility
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5.4 - Wrong Command Execution

Start Time	End Time	Start Orbit	End Orbit	Ground Station Visibility
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5.5 - Narrow Swath Timeline

Start Time	End Time	Start Orbit	End Orbit
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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