GOME Daily Report

INDEX

1 - General Info

1.1 - Report Summary

Item	Value
Report Version	GOMEver3_3
Report of Day	11-NOV-2009
Start Time of First Product	00:25:01
Stop Time of Last Product	23:12:54
Number of EGOI Products analysed	39
Number of corrupted products	--
Anomalies and/or Special Operations	Nominal Data

1.2 - List of received products

Name	Date	Time
OI_091111BEEP1163.E2;1	11-NOV-2009	03:12:46.836
EGOI_091111GSEP2783.E2	11-NOV-2009	01:09:07.076
EGOI_091111GSEP2815.E2	11-NOV-2009	02:46:10.667
EGOI_091111GSEP2844.E2	11-NOV-2009	04:27:38.290
EGOI_091111GSEP2851.E2	11-NOV-2009	06:09:56.924
EGOI_091111KSEP7523.E2	11-NOV-2009	06:27:49.530
EGOI_091111KSEP7547.E2	11-NOV-2009	08:07:45.652
EGOI_091111KSEP7574.E2	11-NOV-2009	09:47:22.259
EGOI_091111KSEP7600.E2	11-NOV-2009	11:27:00.379

EGOI_091111KSEP7619.E2	11-NOV-2009	13:06:05.483
EGOI_091111KSEP7633.E2	11-NOV-2009	14:44:52.590
EGOI_091111KSEP7648.E2	11-NOV-2009	16:22:33.698
EGOI_091111KSEP7679.E2	11-NOV-2009	18:00:38.798
EGOI_091111KSEP7713.E2	11-NOV-2009	19:38:37.906
EGOI_091111KSEP7745.E2	11-NOV-2009	21:19:02.517
EGOI_091111KSEP7771.E2	11-NOV-2009	23:01:46.653
EGOI_091111MAEP5797.E2	11-NOV-2009	08:15:59.203
EGOI_091111MAEP5815.E2	11-NOV-2009	09:54:47.806
EGOI_091111MIEP4106.E2	11-NOV-2009	02:42:39.148
EGOI_091111MIEP4133.E2	11-NOV-2009	04:21:48.759
EGOI_091111MIEP4160.E2	11-NOV-2009	15:02:43.699
EGOI_091111MIEP4189.E2	11-NOV-2009	16:41:33.807
EGOI_091111MMEP0822.E2	11-NOV-2009	00:25:00.798
EGOI_091111MMEP0831.E2	11-NOV-2009	10:35:13.554
EGOI_091111MMEP0839.E2	11-NOV-2009	12:15:20.169
EGOI_091111MMEP0848.E2	11-NOV-2009	15:34:34.896
EGOI_091111MMEP0857.E2	11-NOV-2009	18:53:42.127
EGOI_091111MMEP0862.E2	11-NOV-2009	20:32:47.235
EGOI_091111MMEP0872.E2	11-NOV-2009	22:12:52.347
EGOI_091111MSEP3753.E2	11-NOV-2009	01:03:58.045
EGOI_091111MSEP3771.E2	11-NOV-2009	10:03:05.858
EGOI_091111MSEP3798.E2	11-NOV-2009	11:40:00.454
EGOI_091111MSEP3821.E2	11-NOV-2009	13:21:04.081
EGOI_091111MSEP3838.E2	11-NOV-2009	21:14:47.494
EGOI_091111MSEP3870.E2	11-NOV-2009	22:48:58.575
EGOI_091111SGEP1189.E2	11-NOV-2009	03:24:01.898
EGOI_091111SGEP1197.E2	11-NOV-2009	05:05:46.025
EGOI_091111SGEP1204.E2	11-NOV-2009	14:20:38.945
EGOI_091111SGEP1211.E2	11-NOV-2009	15:58:54.549

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1.3 - List of data gaps

Station	Orbit	Date	Start Time	Stop Time	Duration (s)
KS	76126	11-NOV-2009	06:26:03.948	06:27:49.529	105.58100
KS	76127	11-NOV-2009	08:05:13.970	08:07:45.652	151.68200
KS	76128	11-NOV-2009	09:44:50.920	09:47:22.259	151.33900
KS	76129	11-NOV-2009	11:24:23.849	11:27:00.379	156.53000
KS	76130	11-NOV-2009	13:03:35.121	13:06:05.482	150.36100
KS	76131	11-NOV-2009	14:42:17.468	14:44:52.589	155.12100
KS	76132	11-NOV-2009	16:19:57.528	16:22:33.698	156.17000
KS	76133	11-NOV-2009	17:57:47.707	18:00:38.798	171.09100

KS	76134	11-NOV-2009	19:36:31.973	19:38:37.906	125.93300
KS	76135	11-NOV-2009	21:17:01.357	21:19:02.516	121.15900
KS	76136	11-NOV-2009	22:59:53.724	23:01:46.652	112.92800
GS	76123	11-NOV-2009	01:07:25.935	01:09:07.076	101.14100
GS	76124	11-NOV-2009	02:44:13.190	02:46:10.666	117.47600
GS	76125	11-NOV-2009	04:25:44.274	04:27:38.289	114.01500
MS	76129	11-NOV-2009	11:37:20.347	11:40:00.453	160.10600
MS	76130	11-NOV-2009	13:18:32.074	13:21:04.081	152.00700
MS	76136	11-NOV-2009	22:46:41.102	22:48:58.575	137.47300
MA	76127	11-NOV-2009	08:14:39.804	08:15:59.203	79.399000
MA	76128	11-NOV-2009	09:52:53.292	09:54:47.806	114.51400
MI	76124	11-NOV-2009	02:40:11.926	02:42:39.148	147.22200
MI	76125	11-NOV-2009	04:19:29.858	04:21:48.759	138.90100
MI	76131	11-NOV-2009	15:00:26.090	15:02:43.698	137.60800
MI	76132	11-NOV-2009	16:39:07.656	16:41:33.807	146.15100
MM	76122	11-NOV-2009	00:23:28.958	00:25:00.797	91.839000
MM	76128	11-NOV-2009	10:33:42.963	10:35:13.554	90.591000
MM	76129	11-NOV-2009	12:13:42.706	12:15:20.168	97.462000
MM	76131	11-NOV-2009	15:32:58.097	15:34:34.895	96.798000
MM	76133	11-NOV-2009	18:51:20.550	18:53:42.127	141.57700
MM	76134	11-NOV-2009	20:30:41.714	20:32:47.235	125.52100
MM	76135	11-NOV-2009	22:10:39.544	22:12:52.346	132.80200
BE	76124	11-NOV-2009	03:10:14.084	03:12:46.836	152.75200
SG	76124	11-NOV-2009	03:21:15.118	03:24:01.898	166.78000
SG	76130	11-NOV-2009	14:18:39.518	14:20:38.945	119.42700
SG	76131	11-NOV-2009	15:56:15.245	15:58:54.549	159.30400

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1.4 - List of missing products

Station	Orbit	Date	Start Time	Stop Time	Duration (s)
HO	76122	11-NOV-2009	00:12:03.156	00:26:41.159	878.00300
HO	76123	11-NOV-2009	01:55:11.015	02:04:13.708	542.69300
MM	76123	11-NOV-2009	02:05:46.844	02:14:54.635	547.79100
MM	76124	11-NOV-2009	03:48:49.274	03:55:37.112	407.83800
CM	76124	11-NOV-2009	02:42:01.762	02:48:03.527	361.76500
CM	76124	11-NOV-2009	04:17:40.870	04:29:59.945	739.07500

BE	76125	11-NOV-2009	04:51:07.449	04:59:43.596	516.14700
MM	76125	11-NOV-2009	05:31:31.738	05:37:19.430	347.69200
MM	76126	11-NOV-2009	07:12:55.300	07:20:14.828	439.52800
JO	76126	11-NOV-2009	06:52:53.979	07:04:14.008	680.02900
MM	76127	11-NOV-2009	08:53:29.516	09:03:10.229	580.71300
JO	76127	11-NOV-2009	08:29:54.068	08:44:49.832	895.76400
MA	76129	11-NOV-2009	11:34:12.336	11:41:40.296	447.96000
MM	76130	11-NOV-2009	13:53:28.372	14:06:12.299	763.92700
BE	76131	11-NOV-2009	14:26:56.824	14:40:13.414	796.59000
GS	76131	11-NOV-2009	14:53:57.952	15:06:32.459	754.50700
CM	76131	11-NOV-2009	15:05:28.502	15:11:15.880	347.37800
MM	76132	11-NOV-2009	17:12:12.472	17:24:44.014	751.54200
GS	76132	11-NOV-2009	16:33:04.718	16:46:37.646	812.92800
CM	76132	11-NOV-2009	16:41:39.738	16:53:55.974	736.23600
GS	76133	11-NOV-2009	18:14:00.811	18:22:00.162	479.35100
JO	76133	11-NOV-2009	19:13:02.363	19:22:23.664	561.30100
MA	76134	11-NOV-2009	19:30:36.790	19:42:13.426	696.63600
JO	76134	11-NOV-2009	20:49:54.631	21:04:55.705	901.07400
HO	76135	11-NOV-2009	22:04:35.957	22:15:08.171	632.21400
MA	76135	11-NOV-2009	21:08:48.204	21:22:05.858	797.65400
JO	76135	11-NOV-2009	22:31:28.616	22:40:26.554	537.93800
HO	76136	11-NOV-2009	23:41:02.491	23:55:25.472	862.98100
MM	76136	11-NOV-2009	23:51:33.078	00:03:09.034	695.95600

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1.5 - List of corrupted products

Station	Orbit	Time
MM	76129	12:15:20.169

2 - Instrument Indicators and Daily Plots

2.1 - Instrument Indicators Status

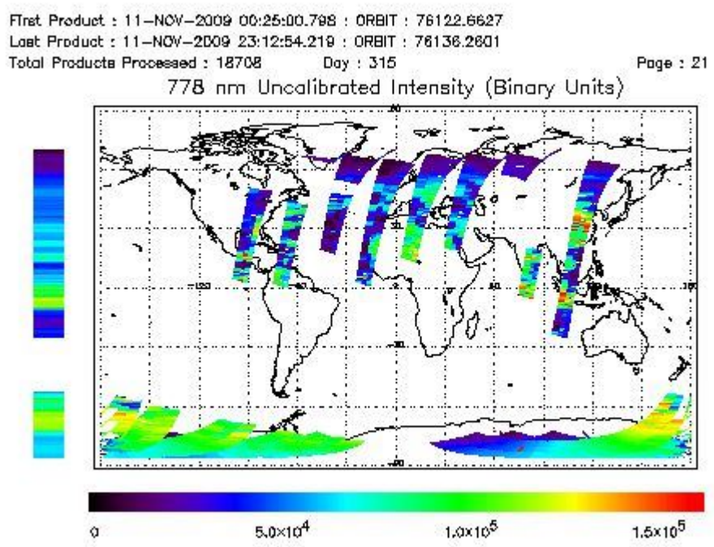
Indicator	Value
MPH Product Confidence	OK
SPH Product Confidence	OK
Command Word Echo Summary	OK
Instrument Status 1A	OK
Instrument Status 1B	OK
Instrument Status 2	OK

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

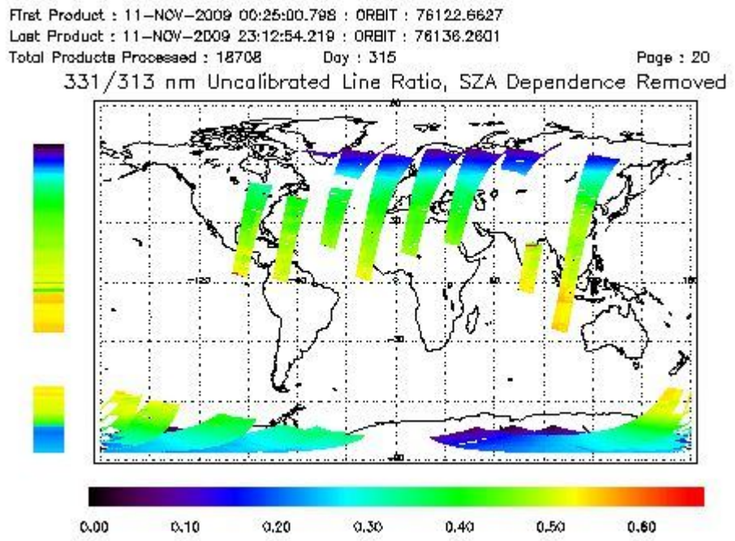
2.2 - Daily Plots

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

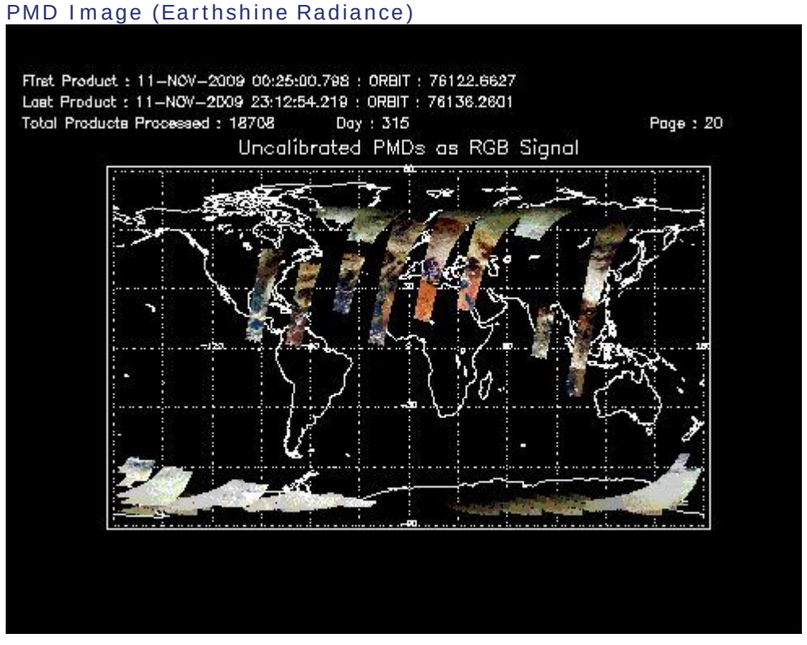
NEAR IR Intensity



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	11:31:27.402	--	6129	Yes	--	15594

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
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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
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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