GOME Daily Report

INDEX

1 - General Info

1.1 - Report Summary

Item	Value
Report Version	GOMEver3_3
Report of Day	07-DEC-2009
Start Time of First Product	00:44:58
Stop Time of Last Product	23:40:29
Number of EGOI Products analysed	36
Number of corrupted products	--
Anomalies and/or Special Operations	Narrow Swath Timeline (GMNNOT41) activated twice, continued from previous day; correct Timeline (GMNNOT42) activated on 7th December at 16:08:44

1.2 - List of received products

Name	Date	Time
OI_091207CMEP5466.E2;1	07-DEC-2009	16:27:15.537
EGOI_091207CMEP5478.E2	07-DEC-2009	18:08:56.670
EGOI_091207GSEP4659.E2	07-DEC-2009	00:52:51.752
EGOI_091207GSEP4691.E2	07-DEC-2009	02:29:05.847
EGOI_091207GSEP4716.E2	07-DEC-2009	04:09:49.970
EGOI_091207GSEP4723.E2	07-DEC-2009	05:52:13.109
EGOI_091207HLEP4474.E2	07-DEC-2009	12:11:04.950
EGOI_091207HLEP4482.E2	07-DEC-2009	13:50:17.562
EGOI_091207HLEP4491.E2	07-DEC-2009	15:32:00.197

EGOI_091207HLEP4499.E2	07-DEC-2009	21:54:17.565
EGOI_091207HLEP4506.E2	07-DEC-2009	23:28:58.649
EGOI_091207KSEP5064.E2	07-DEC-2009	06:10:46.214
EGOI_091207KSEP5094.E2	07-DEC-2009	07:50:36.338
EGOI_091207KSEP5123.E2	07-DEC-2009	09:30:09.957
EGOI_091207KSEP5158.E2	07-DEC-2009	11:09:48.073
EGOI_091207KSEP5190.E2	07-DEC-2009	12:49:02.185
EGOI_091207KSEP5203.E2	07-DEC-2009	14:27:55.301
EGOI_091207KSEP5217.E2	07-DEC-2009	16:05:39.400
EGOI_091207KSEP5246.E2	07-DEC-2009	17:43:35.508
EGOI_091207KSEP5280.E2	07-DEC-2009	19:21:33.116
EGOI_091207KSEP5309.E2	07-DEC-2009	21:01:33.736
EGOI_091207KSEP5338.E2	07-DEC-2009	22:44:02.873
EGOI_091207MAEP6627.E2	07-DEC-2009	09:37:54.999
EGOI_091207MAEP6647.E2	07-DEC-2009	20:54:03.689
EGOI_091207MIEP6674.E2	07-DEC-2009	02:26:11.827
EGOI_091207MIEP6694.E2	07-DEC-2009	04:04:58.938
EGOI_091207MIEP6715.E2	07-DEC-2009	14:46:22.410
EGOI_091207MIEP6742.E2	07-DEC-2009	16:24:09.519
EGOI_091207MSEP6874.E2	07-DEC-2009	00:44:57.705
EGOI_091207MSEP6893.E2	07-DEC-2009	11:22:52.651
EGOI_091207MSEP6918.E2	07-DEC-2009	13:03:12.775
EGOI_091207MSEP6951.E2	07-DEC-2009	22:31:53.803
EGOI_091207SGEP1900.E2	07-DEC-2009	03:06:52.578
EGOI_091207SGEP1909.E2	07-DEC-2009	04:47:24.701
EGOI_091207SGEP1916.E2	07-DEC-2009	14:04:44.656
EGOI_091207SGEP1924.E2	07-DEC-2009	15:41:34.751

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1.3 - List of data gaps

Station	Orbit	Date	Start Time	Stop Time	Duration (s)
KS	76498	07-DEC-2009	06:09:15.842	06:10:46.213	90.371000
KS	76499	07-DEC-2009	07:48:10.485	07:50:36.337	145.85200
KS	76500	07-DEC-2009	09:27:46.090	09:30:09.956	143.86600
KS	76501	07-DEC-2009	11:07:20.945	11:09:48.072	147.12700
KS	76502	07-DEC-2009	12:46:37.287	12:49:02.185	144.89800
KS	76503	07-DEC-2009	14:25:25.329	14:27:55.300	149.97100
KS	76504	07-DEC-2009	16:03:10.633	16:05:39.399	148.76600
KS	76505	07-DEC-2009	17:41:05.863	17:43:35.508	149.64500
KS	76506	07-DEC-2009	19:19:29.650	19:21:33.115	123.46500
KS	76507	07-DEC-2009	20:59:38.901	21:01:33.735	114.83400
KS	76508	07-DEC-2009	22:42:02.862	22:44:02.873	120.01100

GS	76495	07-DEC-2009	00:51:22.214	00:52:51.752	89.538000
GS	76497	07-DEC-2009	04:07:54.215	04:09:49.969	115.75400
MS	76495	07-DEC-2009	00:43:20.775	00:44:57.705	96.930000
MS	76501	07-DEC-2009	11:20:20.141	11:22:52.651	152.51000
MS	76502	07-DEC-2009	13:00:48.427	13:03:12.774	144.34700
MS	76508	07-DEC-2009	22:29:59.131	22:31:53.802	114.67100
MA	76500	07-DEC-2009	09:35:51.189	09:37:54.999	123.81000
MA	76507	07-DEC-2009	20:51:24.561	20:54:03.689	159.12800
MI	76496	07-DEC-2009	02:23:53.901	02:26:11.826	137.92500
MI	76497	07-DEC-2009	04:01:58.829	04:04:58.938	180.10900
MI	76503	07-DEC-2009	14:44:10.847	14:46:22.410	131.56300
MI	76504	07-DEC-2009	16:21:53.209	16:24:09.518	136.30900
SG	76496	07-DEC-2009	03:04:24.980	03:06:52.578	147.59800
SG	76497	07-DEC-2009	04:45:33.364	04:47:24.700	111.33600
SG	76502	07-DEC-2009	14:03:05.242	14:04:44.655	99.413000
SG	76503	07-DEC-2009	15:39:01.305	15:41:34.751	153.44600
CM	76504	07-DEC-2009	16:24:35.739	16:27:15.536	159.79700

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1.4 - List of missing products

Station	Orbit	Date	Start Time	Stop Time	Duration (s)
HO	76494	06-DEC-2009	23:55:08.668	00:09:38.960	870.29200
MM	76494	07-DEC-2009	00:06:03.118	00:17:27.085	683.96700
HO	76495	07-DEC-2009	01:36:27.764	01:47:54.311	686.54700
MM	76495	07-DEC-2009	01:48:10.467	01:57:41.788	571.32100
BE	76496	07-DEC-2009	02:53:12.076	03:06:35.699	803.62300
MM	76496	07-DEC-2009	03:31:08.406	03:38:18.375	429.96900
CM	76496	07-DEC-2009	04:00:37.637	04:13:02.217	744.58000
BE	76497	07-DEC-2009	04:33:34.075	04:43:43.942	609.86700
MM	76497	07-DEC-2009	05:14:00.531	05:19:47.137	346.60600
MM	76498	07-DEC-2009	06:55:37.188	07:02:33.885	416.69700
JO	76498	07-DEC-2009	06:37:08.202	06:46:24.582	556.38000
MM	76499	07-DEC-2009	08:36:16.968	08:45:34.521	557.55300
MA	76499	07-DEC-2009	07:59:07.281	08:07:05.946	478.66500
JO	76499	07-DEC-2009	08:12:49.801	08:27:51.289	901.48800
MM	76500	07-DEC-2009	10:16:33.110	10:27:47.977	674.86700

JO	76500	07-DEC-2009	09:55:33.881	10:04:34.024	540.14300
MM	76501	07-DEC-2009	11:56:35.130	12:08:56.915	741.78500
MA	76501	07-DEC-2009	11:16:39.221	11:25:26.187	526.96600
MM	76502	07-DEC-2009	13:36:23.341	13:49:06.820	763.47900
BE	76503	07-DEC-2009	14:09:49.229	14:23:14.126	804.89700
MM	76503	07-DEC-2009	15:15:55.900	15:28:34.964	759.06400
GS	76503	07-DEC-2009	14:37:13.496	14:48:09.175	655.67900
BE	76504	07-DEC-2009	15:52:36.329	16:00:37.297	480.96800
MM	76504	07-DEC-2009	16:55:12.555	17:07:44.355	751.80000
GS	76504	07-DEC-2009	16:15:57.958	16:29:47.522	829.56400
MM	76505	07-DEC-2009	18:34:20.602	18:46:55.950	755.34800
GS	76505	07-DEC-2009	17:56:30.023	18:06:04.744	574.72100
MM	76506	07-DEC-2009	20:13:37.831	20:26:21.373	763.54200
MA	76506	07-DEC-2009	19:16:24.880	19:24:43.807	498.92700
JO	76506	07-DEC-2009	20:32:55.329	20:47:52.654	897.32500
MM	76507	07-DEC-2009	21:53:27.819	22:06:03.242	755.42300
MM	76508	07-DEC-2009	23:34:10.811	23:45:59.731	708.92000
MA	76508	07-DEC-2009	22:35:59.231	22:42:28.655	389.42400

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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

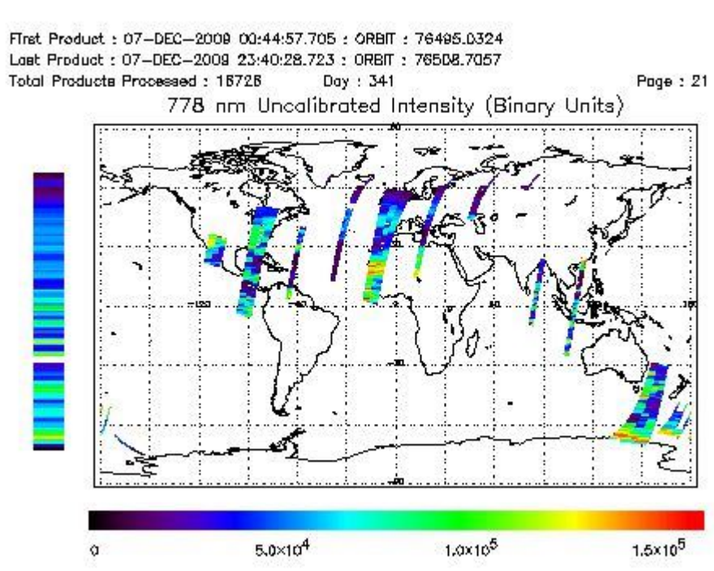
Indicator	Value
MPH Product Confidence	OK
SPH Product Confidence	OK
Command Word Echo Summary	OK
Instrument Status 1A	OK
Instrument Status 1B	OK
Instrument Status 2	OK
Integration Times Channel 1	OK
Co-Adding and Cluster Mode Flags	OK
Integration Times Band 2A	OK
Integration Times Band 2B	OK
Integration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

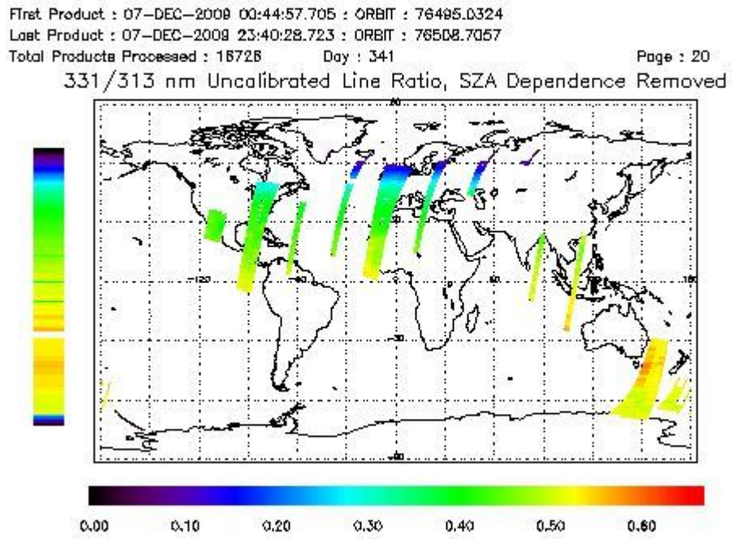
2.2 - Daily Plots

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

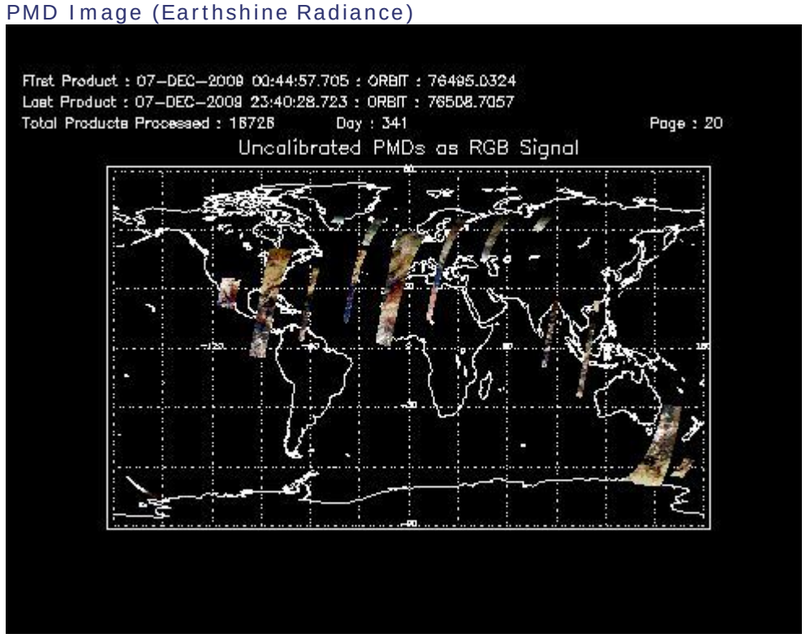
NEAR IR Intensity



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	11:15:39.100	--	76501	Yes	--	15798

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)

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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
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5.5 - Narrow Swath Timeline

Start Time	End Time	Start Orbit	End Orbit
--	16:00	76464	76504

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