GOME Daily Report

INDEX

1 - General Info

1.1 - Report Summary

Item	Value
Report Version	GOMEver3_3
Report of Day	16-DEC-2009
Start Time of First Product	01:03:53
Stop Time of Last Product	23:12:46
Number of EGOI Products analysed	30
Number of corrupted products	--
Anomalies and/or Special Operations	Nominal Data

1.2 - List of received products

Name	Date	Time
OI_091216CMEP5683.E2;1	16-DEC-2009	02:42:39.966
EGOI_091216CMEP5690.E2	16-DEC-2009	04:21:24.069
EGOI_091216CMEP5699.E2	16-DEC-2009	15:06:08.565
EGOI_091216CMEP5706.E2	16-DEC-2009	16:43:01.662
EGOI_091216GSEP5362.E2	16-DEC-2009	01:08:58.882
EGOI_091216GSEP5393.E2	16-DEC-2009	02:45:59.485
EGOI_091216GSEP5421.E2	16-DEC-2009	04:27:33.112
EGOI_091216GSEP5427.E2	16-DEC-2009	06:09:48.744
EGOI_091216KSEP7740.E2	16-DEC-2009	06:27:41.352

EGOI_091216KSEP7766.E2	16-DEC-2009	08:07:38.972
EGOI_091216KSEP7787.E2	16-DEC-2009	09:47:15.592
EGOI_091216KSEP7807.E2	16-DEC-2009	11:26:52.204
EGOI_091216KSEP7824.E2	16-DEC-2009	13:05:58.819
EGOI_091216KSEP7840.E2	16-DEC-2009	14:44:45.935
EGOI_091216KSEP7855.E2	16-DEC-2009	16:22:25.537
EGOI_091216KSEP7886.E2	16-DEC-2009	18:00:32.141
EGOI_091216KSEP7920.E2	16-DEC-2009	19:38:31.249
EGOI_091216KSEP7952.E2	16-DEC-2009	21:18:57.369
EGOI_091216KSEP7976.E2	16-DEC-2009	23:01:40.005
EGOI_091216MAEP6930.E2	16-DEC-2009	09:54:42.635
EGOI_091216MSEP7937.E2	16-DEC-2009	01:03:52.851
EGOI_091216MSEP7951.E2	16-DEC-2009	10:02:59.187
EGOI_091216MSEP7976.E2	16-DEC-2009	11:39:52.287
EGOI_091216MSEP7999.E2	16-DEC-2009	13:20:58.915
EGOI_091216MSEP8015.E2	16-DEC-2009	21:14:31.842
EGOI_091216MSEP8047.E2	16-DEC-2009	22:48:45.931
EGOI_091216SGEP2168.E2	16-DEC-2009	03:23:56.712
EGOI_091216SGEP2176.E2	16-DEC-2009	05:05:37.843
EGOI_091216SGEP2183.E2	16-DEC-2009	14:20:24.779
EGOI_091216SGEP2191.E2	16-DEC-2009	15:58:47.886

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1.3 - List of data gaps

Station	Orbit	Date	Start Time	Stop Time	Duration (s)
KS	76627	16-DEC-2009	06:26:03.948	06:27:41.352	97.404000
KS	76628	16-DEC-2009	08:05:13.970	08:07:38.971	145.00100
KS	76629	16-DEC-2009	09:44:50.920	09:47:15.591	144.67100
KS	76630	16-DEC-2009	11:24:23.849	11:26:52.204	148.35500
KS	76631	16-DEC-2009	13:03:35.121	13:05:58.819	143.69800
KS	76632	16-DEC-2009	14:42:17.468	14:44:45.934	148.46600
KS	76633	16-DEC-2009	16:19:57.529	16:22:25.537	148.00800
KS	76634	16-DEC-2009	17:57:47.707	18:00:32.141	164.43400
KS	76635	16-DEC-2009	19:36:31.973	19:38:31.249	119.27600
KS	76636	16-DEC-2009	21:17:01.357	21:18:57.368	116.01100
KS	76637	16-DEC-2009	22:59:53.724	23:01:40.004	106.28000
GS	76624	16-DEC-2009	01:07:25.935	01:08:58.882	92.947000
GS	76625	16-DEC-2009	02:44:13.190	02:45:59.484	106.29400
GS	76626	16-DEC-2009	04:25:44.275	04:27:33.112	108.83700
MS	76630	16-DEC-2009	11:37:20.347	11:39:52.287	151.94000
MS	76631	16-DEC-2009	13:18:32.074	13:20:58.914	146.84000

MS	76637	16-DEC-2009	22:46:41.102	22:48:45.930	124.82800
MA	76629	16-DEC-2009	09:52:53.292	09:54:42.635	109.34300
SG	76625	16-DEC-2009	03:21:15.118	03:23:56.712	161.59400
SG	76631	16-DEC-2009	14:18:39.518	14:20:24.778	105.26000
SG	76632	16-DEC-2009	15:56:15.245	15:58:47.885	152.64000
CM	76633	16-DEC-2009	16:41:39.739	16:43:01.662	81.923000

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1.4 - List of missing products

Station	Orbit	Date	Start Time	Stop Time	Duration (s)
HO	76623	16-DEC-2009	00:12:03.156	00:26:41.159	878.00300
MM	76623	16-DEC-2009	00:23:28.958	00:34:37.110	668.15200
HO	76624	16-DEC-2009	01:55:11.015	02:04:13.708	542.69300
MM	76624	16-DEC-2009	02:05:46.844	02:14:54.635	547.79100
BE	76625	16-DEC-2009	03:10:14.084	03:23:37.432	803.34800
MM	76625	16-DEC-2009	03:48:49.274	03:55:37.112	407.83800
MI	76625	16-DEC-2009	02:40:11.926	02:52:15.773	723.84700
BE	76626	16-DEC-2009	04:51:07.450	04:59:43.597	516.14700
MM	76626	16-DEC-2009	05:31:31.739	05:37:19.431	347.69200
MI	76626	16-DEC-2009	04:19:29.859	04:31:24.213	714.35400
MM	76627	16-DEC-2009	07:12:55.300	07:20:14.828	439.52800
JO	76627	16-DEC-2009	06:52:53.979	07:04:14.008	680.02900
MM	76628	16-DEC-2009	08:53:29.516	09:03:10.229	580.71300
MA	76628	16-DEC-2009	08:14:39.804	08:25:16.601	636.79700
JO	76628	16-DEC-2009	08:29:54.068	08:44:49.832	895.76400
MM	76629	16-DEC-2009	10:33:42.963	10:45:13.001	690.03800
MM	76630	16-DEC-2009	12:13:42.706	12:26:11.017	748.31100
MA	76630	16-DEC-2009	11:34:12.336	11:41:40.296	447.96000
MM	76631	16-DEC-2009	13:53:28.372	14:06:12.299	763.92700
BE	76632	16-DEC-2009	14:26:56.824	14:40:13.414	796.59000
MM	76632	16-DEC-2009	15:32:58.097	15:45:35.534	757.43700
MI	76632	16-DEC-2009	15:00:26.090	15:11:41.758	675.66800
GS	76632	16-DEC-2009	14:53:57.952	15:06:32.459	754.50700
MM	76633	16-DEC-2009	17:12:12.473	17:24:44.015	751.54200
MI	76633	16-DEC-2009	16:39:07.657	16:51:38.331	750.67400
GS	76633	16-DEC-2009	16:33:04.719	16:46:37.647	812.92800

MM	76634	16-DEC-2009	18:51:20.550	19:03:57.440	756.89000
GS	76634	16-DEC-2009	18:14:00.811	18:22:00.162	479.35100
JO	76634	16-DEC-2009	19:13:02.363	19:22:23.664	561.30100
MM	76635	16-DEC-2009	20:30:41.714	20:43:25.698	763.98400
MA	76635	16-DEC-2009	19:30:36.790	19:42:13.426	696.63600
JO	76635	16-DEC-2009	20:49:54.631	21:04:55.705	901.07400
HO	76636	16-DEC-2009	22:04:35.957	22:15:08.171	632.21400
MM	76636	16-DEC-2009	22:10:39.544	22:23:10.234	750.69000
MA	76636	16-DEC-2009	21:08:48.204	21:22:05.858	797.65400
JO	76636	16-DEC-2009	22:31:28.616	22:40:26.554	537.93800
HO	76637	16-DEC-2009	23:41:02.491	23:55:25.472	862.98100
MM	76637	16-DEC-2009	23:51:33.078	00:03:09.034	695.95600

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1.5 - List of corrupted products

Station	Orbit	Time

2 - Instrument Indicators and Daily Plots

2.1 - Instrument Indicators Status

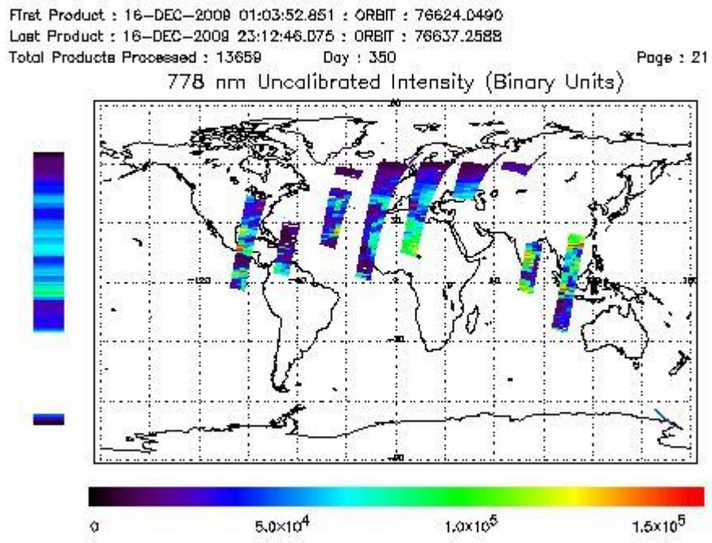
Indicator	Value
MPH Product Confidence	OK
SPH Product Confidence	OK
Command Word Echo Summary	OK
Instrument Status 1A	OK
Instrument Status 1B	OK
Instrument Status 2	OK
Integration Times Channel 1	OK
Co-Adding and Cluster Mode Flags	OK
Integration Times Band 2A	OK
Integration Times Band 2B	OK
Integration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

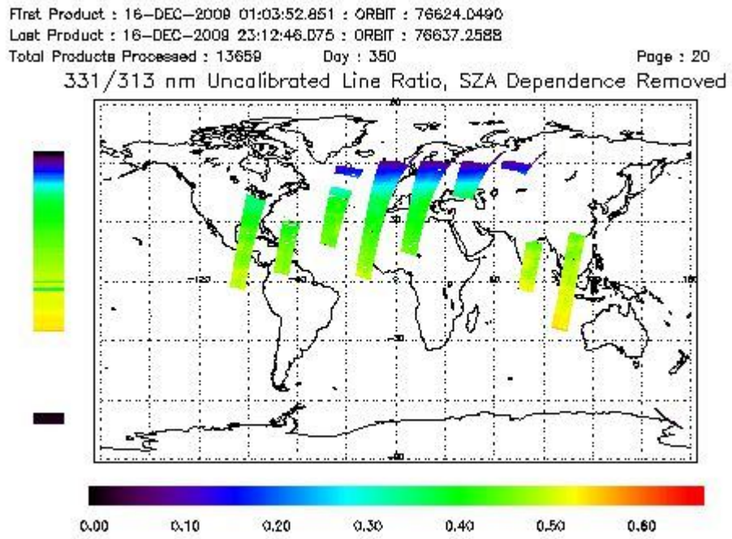
2.2 - Daily Plots

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

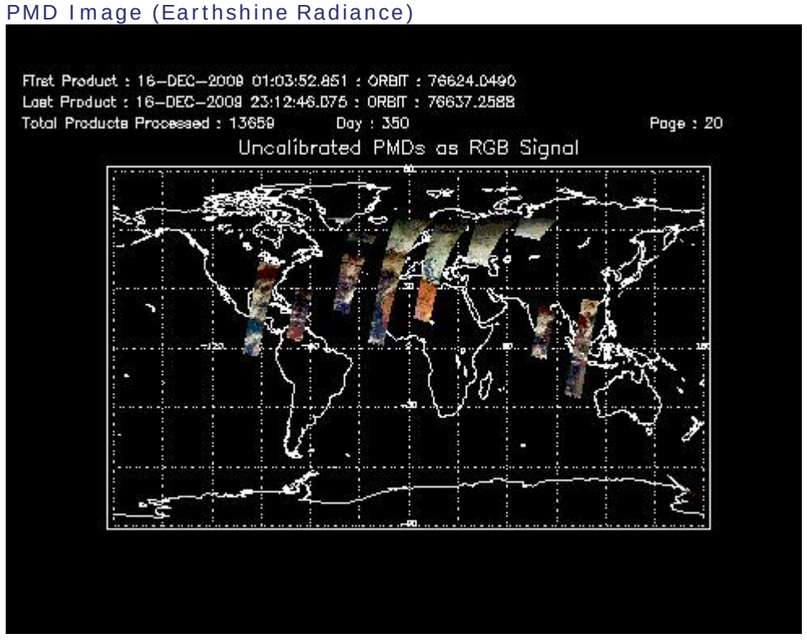
NEAR IR Intensity



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	13:13:45.360	--	76631	Yes	--	15769

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
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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