GOME Daily Report

INDEX

1 - General Info

1.1 - Report Summary

Item	Value
Report Version	GOMEver3_3
Report of Day	05-DEC-2009
Start Time of First Product	00:06:20
Stop Time of Last Product	23:47:52
Number of EGOI Products analysed	33
Number of corrupted products	--
Anomalies and/or Special Operations	Narrow swath timeline continued during whole day, but it should have been stopped at around 12:00

1.2 - List of received products

Name	Date	Time
OI_091205CMEP5443.E2;1	05-DEC-2009	03:25:49.987
EGOI_091205CMEP5454.E2	05-DEC-2009	05:09:07.109
EGOI_091205GSEP4506.E2	05-DEC-2009	01:52:50.919
EGOI_091205GSEP4537.E2	05-DEC-2009	03:31:42.522
EGOI_091205GSEP4547.E2	05-DEC-2009	05:14:38.649
EGOI_091205HLEP4436.E2	05-DEC-2009	01:12:04.171
EGOI_091205HLEP4441.E2	05-DEC-2009	11:35:00.462
EGOI_091205HLEP4452.E2	05-DEC-2009	22:58:10.655
EGOI_091205KSEP4486.E2	05-DEC-2009	07:13:10.862

EGOI_091205KSEP4520.E2	05-DEC-2009	08:53:09.970
EGOI_091205KSEP4548.E2	05-DEC-2009	10:32:51.077
EGOI_091205KSEP4581.E2	05-DEC-2009	12:12:14.185
EGOI_091205KSEP4597.E2	05-DEC-2009	13:51:13.293
EGOI_091205KSEP4625.E2	05-DEC-2009	15:29:37.894
EGOI_091205KSEP4657.E2	05-DEC-2009	17:07:05.494
EGOI_091205KSEP4692.E2	05-DEC-2009	18:45:06.098
EGOI_091205KSEP4727.E2	05-DEC-2009	20:24:09.703
EGOI_091205KSEP4758.E2	05-DEC-2009	22:05:49.334
EGOI_091205MAEP6554.E2	05-DEC-2009	10:40:19.624
EGOI_091205MIEP6468.E2	05-DEC-2009	01:52:04.415
EGOI_091205MIEP6496.E2	05-DEC-2009	03:27:04.994
EGOI_091205MIEP6518.E2	05-DEC-2009	05:10:13.117
EGOI_091205MIEP6527.E2	05-DEC-2009	15:47:14.003
EGOI_091205MIEP6550.E2	05-DEC-2009	17:28:11.624
EGOI_091205MSEP6618.E2	05-DEC-2009	00:06:20.280
EGOI_091205MSEP6641.E2	05-DEC-2009	10:46:37.665
EGOI_091205MSEP6669.E2	05-DEC-2009	12:25:35.272
EGOI_091205MSEP6699.E2	05-DEC-2009	21:56:23.776
EGOI_091205MSEP6730.E2	05-DEC-2009	23:34:37.879
EGOI_091205SGEP1840.E2	05-DEC-2009	02:31:03.154
EGOI_091205SGEP1848.E2	05-DEC-2009	04:09:14.241
EGOI_091205SGEP1856.E2	05-DEC-2009	15:04:36.241
EGOI_091205SGEP1864.E2	05-DEC-2009	16:45:57.865

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1.3 - List of data gaps

Station	Orbit	Date	Start Time	Stop Time	Duration (s)
KS	76470	05-DEC-2009	07:11:16.174	07:13:10.861	114.68700
KS	76471	05-DEC-2009	08:50:45.600	08:53:09.969	144.36900
KS	76472	05-DEC-2009	10:30:22.936	10:32:51.076	148.14000
KS	76473	05-DEC-2009	12:09:48.275	12:12:14.185	145.91000
KS	76474	05-DEC-2009	13:48:43.191	13:51:13.292	150.10100
KS	76475	05-DEC-2009	15:26:52.611	15:29:37.893	165.28200
KS	76476	05-DEC-2009	17:04:34.641	17:07:05.493	150.85200
KS	76477	05-DEC-2009	18:42:44.051	18:45:06.097	142.04600
KS	76478	05-DEC-2009	20:22:13.380	20:24:09.702	116.32200
KS	76479	05-DEC-2009	22:03:42.046	22:05:49.334	127.28800
KS	76480	05-DEC-2009	23:48:06.102	23:49:34.972	88.870000
GS	76467	05-DEC-2009	01:51:06.168	01:52:50.918	104.75000
GS	76468	05-DEC-2009	03:29:57.218	03:31:42.521	105.30300

MS	76466	05-DEC-2009	00:04:07.178	00:06:20.279	133.10100
MS	76472	05-DEC-2009	10:44:06.299	10:46:37.665	151.36600
MS	76473	05-DEC-2009	12:23:00.975	12:25:35.272	154.29700
MS	76479	05-DEC-2009	21:54:32.068	21:56:23.776	111.70800
MS	76480	05-DEC-2009	23:32:05.795	23:34:37.879	152.08400
MA	76472	05-DEC-2009	10:38:24.000	10:40:19.624	115.62400
MI	76467	05-DEC-2009	01:50:00.769	01:52:04.414	123.64500
MI	76468	05-DEC-2009	03:24:45.762	03:27:04.994	139.23200
MI	76469	05-DEC-2009	05:08:10.370	05:10:13.117	122.74700
MI	76475	05-DEC-2009	15:44:57.453	15:47:14.003	136.55000
MI	76476	05-DEC-2009	17:25:57.650	17:28:11.623	133.97300
SG	76467	05-DEC-2009	02:28:42.790	02:31:03.153	140.36300
SG	76468	05-DEC-2009	04:07:03.379	04:09:14.241	130.86200
SG	76474	05-DEC-2009	15:02:19.958	15:04:36.241	136.28300
SG	76475	05-DEC-2009	16:43:27.276	16:45:57.865	150.58900
CM	76468	05-DEC-2009	03:24:25.502	03:25:49.986	84.484000

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1.4 - List of missing products

Station	Orbit	Date	Start Time	Stop Time	Duration (s)
HO	76466	05-DEC-2009	00:58:16.112	01:11:47.916	811.80400
MM	76466	05-DEC-2009	01:10:07.273	01:20:25.892	618.61900
KS	76466	05-DEC-2009	00:22:22.250	00:24:51.688	149.43800
BE	76467	05-DEC-2009	02:16:33.578	02:29:09.379	755.80100
MM	76467	05-DEC-2009	02:52:50.240	03:00:52.466	482.22600
BE	76468	05-DEC-2009	03:55:58.946	04:08:18.212	739.26600
MM	76468	05-DEC-2009	04:35:54.345	04:41:56.344	361.99900
MM	76469	05-DEC-2009	06:18:02.000	06:24:16.920	374.92000
MM	76470	05-DEC-2009	07:58:57.476	08:07:22.304	504.82800
JO	76470	05-DEC-2009	07:36:25.379	07:50:43.345	857.96600
MM	76471	05-DEC-2009	09:39:20.383	09:49:57.117	636.73400
MA	76471	05-DEC-2009	08:59:58.637	09:12:24.961	746.32400
JO	76471	05-DEC-2009	09:16:19.944	09:29:29.168	789.22400
MM	76472	05-DEC-2009	11:19:27.354	11:31:30.248	722.89400
MM	76473	05-DEC-2009	12:59:20.864	13:12:00.547	759.68300
HO	76474	05-DEC-2009	14:48:25.321	14:58:21.871	596.55000

MM	76474	05-DEC-2009	14:38:59.459	14:51:41.691	762.23200
GS	76474	05-DEC-2009	14:01:36.447	14:09:31.192	474.74500
BE	76475	05-DEC-2009	15:13:27.414	15:25:05.070	697.65600
MM	76475	05-DEC-2009	16:18:21.716	16:30:55.289	753.57300
GS	76475	05-DEC-2009	15:39:02.485	15:52:52.732	830.24700
CM	76475	05-DEC-2009	15:48:12.410	15:59:36.669	684.25900
MM	76476	05-DEC-2009	17:57:31.423	18:10:04.132	752.70900
GS	76476	05-DEC-2009	17:18:55.845	17:30:53.403	717.55800
CM	76476	05-DEC-2009	17:28:03.522	17:37:52.548	589.02600
MM	76477	05-DEC-2009	19:36:42.586	19:49:23.707	761.12100
JO	76477	05-DEC-2009	19:56:31.193	20:10:19.132	827.93900
MM	76478	05-DEC-2009	21:16:17.710	21:28:59.570	761.86000
MA	76478	05-DEC-2009	20:14:47.162	20:28:33.971	826.80900
JO	76478	05-DEC-2009	21:35:43.013	21:49:33.650	830.63700
HO	76479	05-DEC-2009	22:48:03.693	23:01:09.896	786.20300
MM	76479	05-DEC-2009	22:56:39.110	23:08:50.883	731.77300
MA	76479	05-DEC-2009	21:55:51.158	22:07:08.377	677.21900

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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

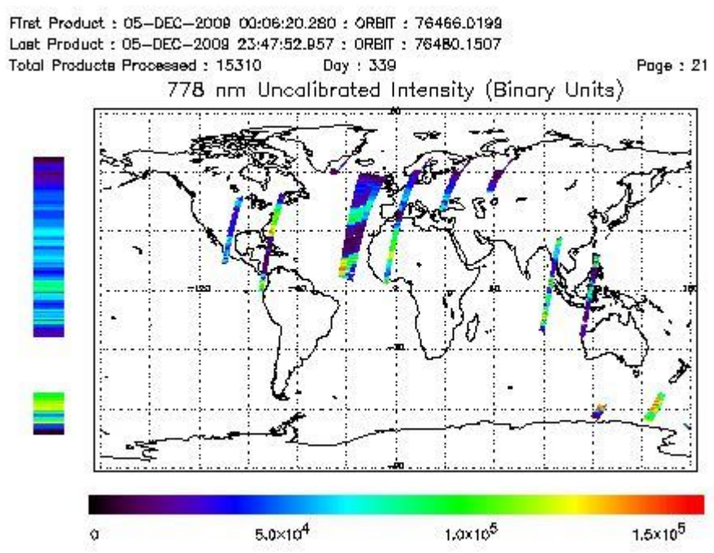
Indicator	Value
MPH Product Confidence	OK
SPH Product Confidence	OK
Command Word Echo Summary	OK
Instrument Status 1A	OK
Instrument Status 1B	OK
Instrument Status 2	OK
Integration Times Channel 1	OK
Co-Adding and Cluster Mode Flags	OK
Integration Times Band 2A	OK
Integration Times Band 2B	OK
Integration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

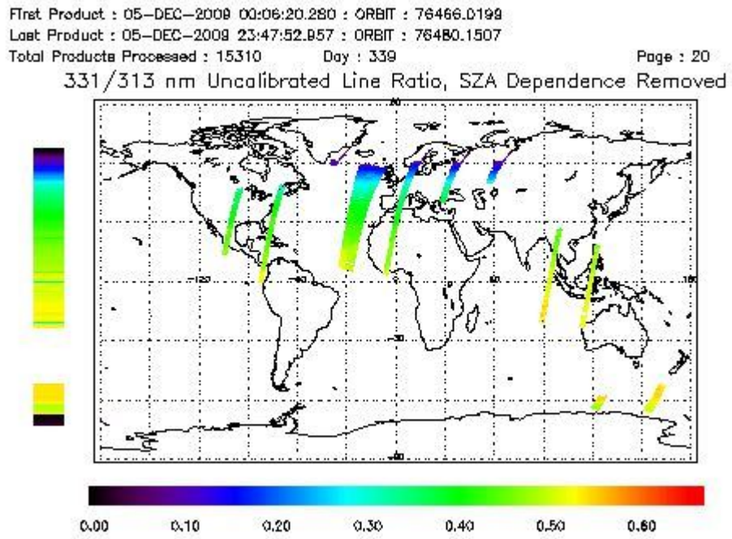
2.2 - Daily Plots

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

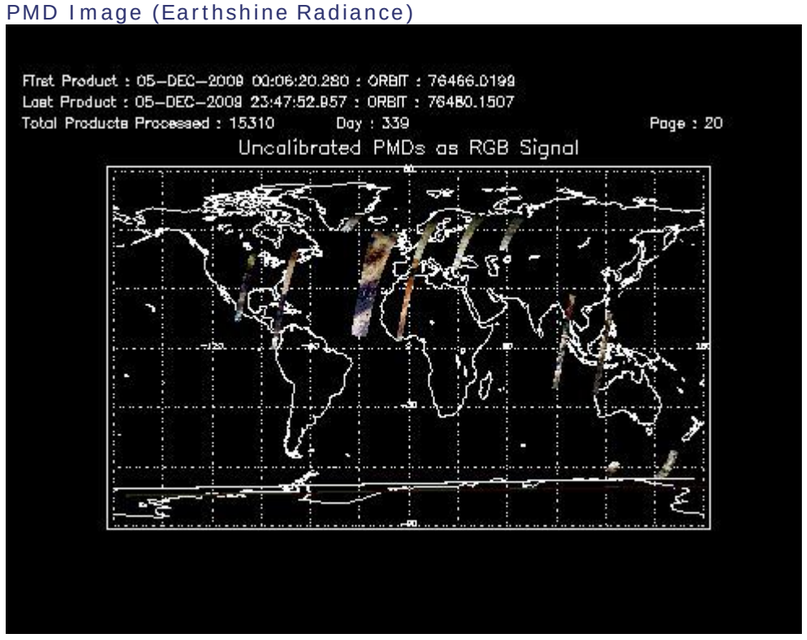
NEAR IR Intensity



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	12:18:51	--	76473	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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(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
--	--	--

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
21:40 (04-DEC-2009)	--	76464	--

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