GOME Daily Report

INDEX

1 - General Info

1.1 - Report Summary

Item	Value
Report Version	GOMEver3_3
Report of Day	14-DEC-2009
Start Time of First Product	00:23:54
Stop Time of Last Product	22:35:48
Number of EGOI Products analysed	25
Number of corrupted products	--
Anomalies and/or Special Operations	Narrow Swath performed as planned, start orbit: 76603

1.2 - List of received products

Name	Date	Time
OI_091214BEEP1394.E2;1	14-DEC-2009	02:35:59.359
EGOI_091214CMEP5645.E2	14-DEC-2009	16:06:33.095
EGOI_091214GSEP5233.E2	14-DEC-2009	02:09:29.199
EGOI_091214GSEP5260.E2	14-DEC-2009	03:49:19.318
EGOI_091214GSEP5270.E2	14-DEC-2009	05:31:46.948
EGOI_091214HLEP4606.E2	14-DEC-2009	01:20:42.396
EGOI_091214KSEP7196.E2	14-DEC-2009	07:30:13.188
EGOI_091214KSEP7218.E2	14-DEC-2009	09:10:13.808
EGOI_091214KSEP7243.E2	14-DEC-2009	10:49:53.428

EGOI_091214KSEP7271.E2	14-DEC-2009	12:29:13.540
EGOI_091214KSEP7287.E2	14-DEC-2009	14:08:09.862
EGOI_091214KSEP7316.E2	14-DEC-2009	15:46:07.470
EGOI_091214KSEP7348.E2	14-DEC-2009	17:23:59.079
EGOI_091214KSEP7384.E2	14-DEC-2009	19:01:49.187
EGOI_091214KSEP7419.E2	14-DEC-2009	20:41:21.303
EGOI_091214KSEP7450.E2	14-DEC-2009	22:23:15.935
EGOI_091214MAEP6885.E2	14-DEC-2009	09:17:28.851
EGOI_091214MAEP6894.E2	14-DEC-2009	10:57:24.971
EGOI_091214MSEP7700.E2	14-DEC-2009	00:23:54.047
EGOI_091214MSEP7724.E2	14-DEC-2009	11:03:10.006
EGOI_091214MSEP7751.E2	14-DEC-2009	12:42:39.122
EGOI_091214MSEP7782.E2	14-DEC-2009	22:12:41.369
EGOI_091214SGEP2114.E2	14-DEC-2009	02:47:17.430
EGOI_091214SGEP2122.E2	14-DEC-2009	04:26:31.545
EGOI_091214SGEP2129.E2	14-DEC-2009	17:05:33.469

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1.3 - List of data gaps

Station	Orbit	Date	Start Time	Stop Time	Duration (s)
KS	76599	14-DEC-2009	07:28:17.468	07:30:13.187	115.71900
KS	76600	14-DEC-2009	09:07:50.407	09:10:13.808	143.40100
KS	76601	14-DEC-2009	10:47:26.888	10:49:53.427	146.53900
KS	76602	14-DEC-2009	12:26:48.404	12:29:13.539	145.13500
KS	76603	14-DEC-2009	14:05:41.590	14:08:09.862	148.27200
KS	76604	14-DEC-2009	15:43:38.233	15:46:07.469	149.23600
KS	76605	14-DEC-2009	17:21:29.748	17:23:59.078	149.33000
KS	76606	14-DEC-2009	18:59:40.499	19:01:49.186	128.68700
KS	76607	14-DEC-2009	20:39:27.624	20:41:21.303	113.67900
KS	76608	14-DEC-2009	22:21:20.889	22:23:15.935	115.04600
GS	76596	14-DEC-2009	02:07:44.303	02:09:29.198	104.89500
GS	76597	14-DEC-2009	03:47:22.059	03:49:19.318	117.25900
MS	76595	14-DEC-2009	00:21:57.772	00:23:54.046	116.27400
MS	76601	14-DEC-2009	11:00:39.893	11:03:10.006	150.11300
MS	76602	14-DEC-2009	12:40:15.481	12:42:39.122	143.64100
MS	76608	14-DEC-2009	22:10:45.360	22:12:41.368	116.00800
MS	76609	14-DEC-2009	23:49:28.186	23:51:40.485	132.29900
MA	76600	14-DEC-2009	09:16:23.991	09:17:28.851	64.860000
MA	76601	14-DEC-2009	10:55:42.428	10:57:24.970	102.54200
BE	76596	14-DEC-2009	02:33:25.248	02:35:59.359	154.11100

SG	76596	14-DEC-2009	02:45:02.240	02:47:17.429	135.18900
SG	76596	14-DEC-2009	02:56:12.984	02:57:41.707	88.723000
SG	76597	14-DEC-2009	04:24:37.539	04:26:31.545	114.00600
SG	76597	14-DEC-2009	04:35:09.095	04:36:18.099	69.004000
CM	76604	14-DEC-2009	16:04:53.527	16:06:33.095	99.568000

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1.4 - List of missing products

Station	Orbit	Date	Start Time	Stop Time	Duration (s)
MM	76595	14-DEC-2009	01:27:40.045	01:37:37.538	597.49300
MM	76596	14-DEC-2009	03:10:30.697	03:18:08.339	457.64200
MI	76596	14-DEC-2009	02:05:17.998	02:14:05.380	527.38200
CM	76596	14-DEC-2009	03:40:59.991	03:53:02.614	722.62300
BE	76597	14-DEC-2009	04:13:16.296	04:24:45.984	689.68800
MM	76597	14-DEC-2009	04:53:30.844	04:59:22.848	352.00400
MI	76597	14-DEC-2009	03:41:49.565	03:55:06.963	797.39800
MM	76598	14-DEC-2009	06:35:23.986	06:41:56.553	392.56700
KS	76598	14-DEC-2009	05:49:59.233	05:52:29.518	150.28500
CM	76598	14-DEC-2009	05:22:33.149	05:30:13.017	459.86800
MM	76599	14-DEC-2009	08:16:11.522	08:25:00.996	529.47400
JO	76599	14-DEC-2009	07:53:07.545	08:07:55.212	887.66700
MM	76600	14-DEC-2009	09:56:31.115	10:07:26.326	655.21100
JO	76600	14-DEC-2009	09:34:11.481	09:45:53.489	702.00800
MM	76601	14-DEC-2009	11:36:35.787	11:48:48.235	732.44800
MM	76602	14-DEC-2009	13:16:26.883	13:29:08.848	761.96500
HO	76603	14-DEC-2009	15:05:55.402	15:14:40.125	524.72300
MM	76603	14-DEC-2009	14:56:02.722	15:08:43.600	760.87800
MI	76603	14-DEC-2009	14:25:59.567	14:31:50.565	350.99800
GS	76603	14-DEC-2009	14:17:53.258	14:27:53.106	599.84800
SG	76603	14-DEC-2009	15:19:09.368	15:33:00.774	831.40600
BE	76604	14-DEC-2009	15:31:18.476	15:41:39.082	620.60600
MM	76604	14-DEC-2009	16:35:22.301	16:47:54.863	752.56200
MI	76604	14-DEC-2009	16:01:55.832	16:15:18.575	802.74300
GS	76604	14-DEC-2009	15:56:03.366	16:09:59.470	836.10400
MM	76605	14-DEC-2009	18:14:30.970	18:27:04.747	753.77700
MI	76605	14-DEC-2009	17:44:13.919	17:50:06.582	352.66300

GS	76605	14-DEC-2009	17:36:13.451	17:47:13.798	660.34700
CM	76605	14-DEC-2009	17:45:59.467	17:53:41.565	462.09800
MM	76606	14-DEC-2009	19:53:44.522	20:06:26.954	762.43200
MA	76606	14-DEC-2009	18:58:20.876	19:03:08.704	287.82800
JO	76606	14-DEC-2009	20:13:14.602	20:27:45.949	871.34700
MM	76607	14-DEC-2009	21:33:26.128	21:46:05.622	759.49400
MA	76607	14-DEC-2009	20:31:36.614	20:45:19.342	822.72800
JO	76607	14-DEC-2009	21:53:06.481	22:05:56.654	770.17300
HO	76608	14-DEC-2009	23:04:43.766	23:18:21.243	817.47700
MM	76608	14-DEC-2009	23:13:57.258	23:25:59.359	722.10100
MA	76608	14-DEC-2009	22:14:23.286	22:23:39.124	555.83800

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1.5 - List of corrupted products

Station	Orbit	Time

2 - Instrument Indicators and Daily Plots

2.1 - Instrument Indicators Status

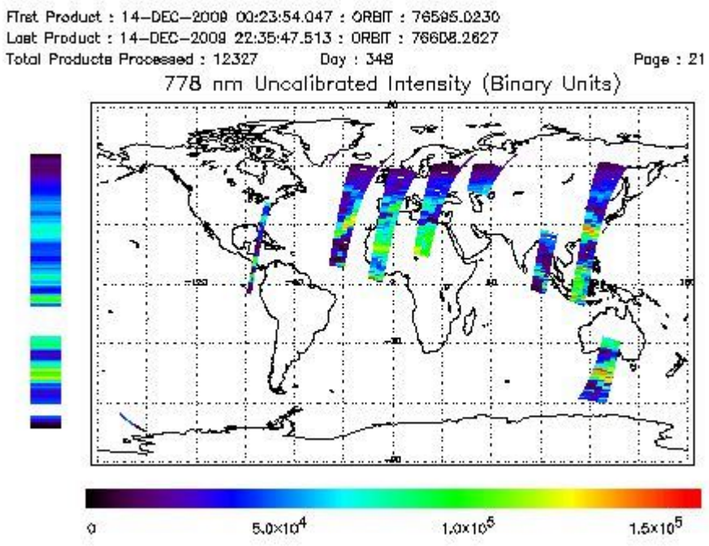
Indicator	Value
MPH Product Confidence	OK
SPH Product Confidence	OK
Command Word Echo Summary	OK
Instrument Status 1A	OK
Instrument Status 1B	OK
Instrument Status 2	OK
Integration Times Channel 1	OK
Co-Adding and Cluster Mode Flags	OK
Integration Times Band 2A	OK
Integration Times Band 2B	OK
Integration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

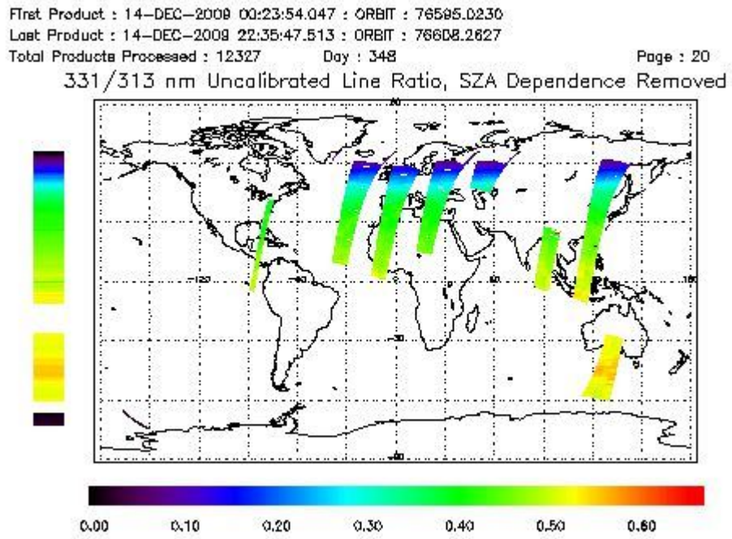
2.2 - Daily Plots

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

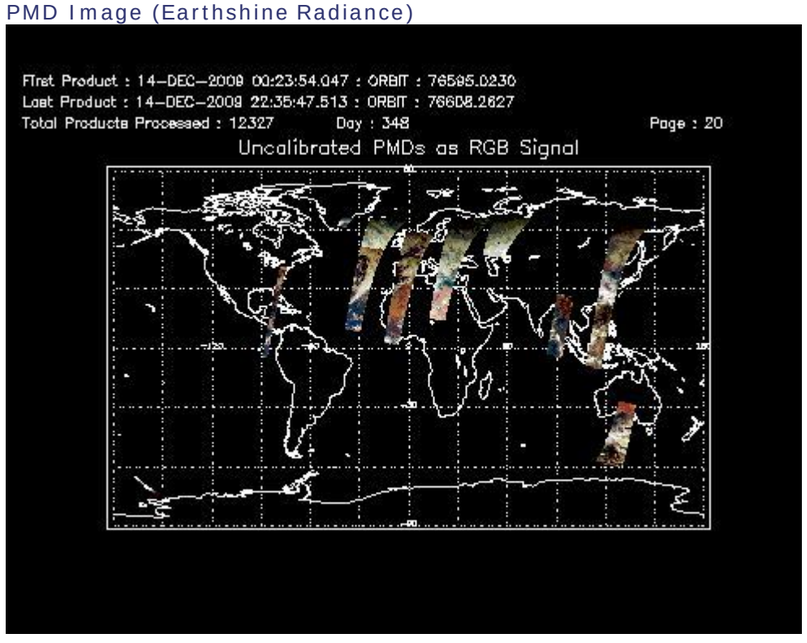
NEAR IR Intensity



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	14:55:41.450	--	76601	Yes	--	15839

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
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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
14:00	--	76603	--

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