GOME Daily Report

INDEX

1 - General Info

1.1 - Report Summary

Item	Value
Report Version	GOMEver3_3
Report of Day	10-DEC-2009
Start Time of First Product	00:15:17
Stop Time of Last Product	23:01:27
Number of EGOI Products analysed	31
Number of corrupted products	--
Anomalies and/or Special Operations	No Solar Calibration measurements available due to the extecution of an ERS-2 orbit manoeuvre

1.2 - List of received products

Name	Date	Time
OI_091210GSEP4904.E2;1	10-DEC-2009	00:58:11.050
EGOI_091210GSEP4936.E2	10-DEC-2009	02:34:41.645
EGOI_091210GSEP4966.E2	10-DEC-2009	04:15:43.771
EGOI_091210GSEP4973.E2	10-DEC-2009	05:58:00.907
EGOI_091210KSEP5961.E2	10-DEC-2009	06:16:23.515
EGOI_091210KSEP5992.E2	10-DEC-2009	07:56:15.135
EGOI_091210KSEP6015.E2	10-DEC-2009	09:35:53.252
EGOI_091210KSEP6049.E2	10-DEC-2009	11:15:29.875
EGOI_091210KSEP6081.E2	10-DEC-2009	12:54:42.490

EGOI_091210KSEP6111.E2	10-DEC-2009	14:33:32.599
EGOI_091210KSEP6131.E2	10-DEC-2009	16:11:15.207
EGOI_091210KSEP6198.E2	10-DEC-2009	19:27:11.924
EGOI_091210KSEP6228.E2	10-DEC-2009	21:07:23.040
EGOI_091210KSEP6257.E2	10-DEC-2009	22:49:55.180
EGOI_091210MAEP6760.E2	10-DEC-2009	09:43:32.299
EGOI_091210MAEP6781.E2	10-DEC-2009	20:59:43.993
EGOI_091210MIEP6974.E2	10-DEC-2009	02:31:34.125
EGOI_091210MIEP6997.E2	10-DEC-2009	04:10:49.736
EGOI_091210MIEP7021.E2	10-DEC-2009	14:51:46.208
EGOI_091210MIEP7050.E2	10-DEC-2009	16:30:00.324
EGOI_091210MMEP1409.E2	10-DEC-2009	01:55:15.898
EGOI_091210MMEP1416.E2	10-DEC-2009	03:38:04.536
EGOI_091210MMEP1425.E2	10-DEC-2009	07:02:16.293
EGOI_091210MMEP1434.E2	10-DEC-2009	10:23:41.554
EGOI_091210MMEP1445.E2	10-DEC-2009	17:02:47.024
EGOI_091210MMEP1453.E2	10-DEC-2009	20:21:15.253
EGOI_091210MMEP1462.E2	10-DEC-2009	22:01:26.376
EGOI_091210MSEP7229.E2	10-DEC-2009	00:51:17.006
EGOI_091210MSEP7250.E2	10-DEC-2009	11:28:34.453
EGOI_091210MSEP7274.E2	10-DEC-2009	13:09:21.581
EGOI_091210MSEP7306.E2	10-DEC-2009	22:38:17.609

[BACK TO MENU]

1.3 - List of data gaps

Station	Orbit	Date	Start Time	Stop Time	Duration (s)
KS	76541	10-DEC-2009	06:14:50.896	06:16:23.514	92.618000
KS	76542	10-DEC-2009	07:53:51.570	07:56:15.134	143.56400
KS	76543	10-DEC-2009	09:33:27.710	09:35:53.251	145.54100
KS	76544	10-DEC-2009	11:13:01.977	11:15:29.875	147.89800
KS	76545	10-DEC-2009	12:52:16.695	12:54:42.489	145.79400
KS	76546	10-DEC-2009	14:31:02.845	14:33:32.599	149.75400
KS	76547	10-DEC-2009	16:08:45.498	16:11:15.206	149.70800
KS	76549	10-DEC-2009	19:25:10.101	19:27:11.923	121.82200
KS	76550	10-DEC-2009	21:05:25.943	21:07:23.040	117.09700
KS	76551	10-DEC-2009	22:47:59.132	22:49:55.180	116.04800
GS	76538	10-DEC-2009	00:56:42.043	00:58:11.050	89.007000
GS	76539	10-DEC-2009	02:32:55.906	02:34:41.645	105.73900
GS	76540	10-DEC-2009	04:13:49.293	04:15:43.771	114.47800
MS	76538	10-DEC-2009	00:49:39.386	00:51:17.005	97.619000
MS	76544	10-DEC-2009	11:25:59.019	11:28:34.453	155.43400

MS	76545	10-DEC-2009	13:06:41.918	13:09:21.580	159.66200
MS	76551	10-DEC-2009	22:35:31.866	22:38:17.609	165.74300
MA	76543	10-DEC-2009	09:41:31.402	09:43:32.298	120.89600
MA	76550	10-DEC-2009	20:57:07.789	20:59:43.993	156.20400
MI	76539	10-DEC-2009	02:29:18.076	02:31:34.125	136.04900
MI	76540	10-DEC-2009	04:07:47.544	04:10:49.736	182.19200
MI	76546	10-DEC-2009	14:49:33.391	14:51:46.207	132.81600
MI	76547	10-DEC-2009	16:27:37.156	16:30:00.323	143.16700
MM	76538	10-DEC-2009	01:54:02.423	01:55:15.898	73.475000
MM	76539	10-DEC-2009	03:37:02.056	03:38:04.535	62.479000
MM	76543	10-DEC-2009	10:22:16.438	10:23:41.553	85.115000
MM	76547	10-DEC-2009	17:00:52.555	17:02:47.023	114.46800
MM	76549	10-DEC-2009	20:19:19.011	20:21:15.253	116.24200
MM	76550	10-DEC-2009	21:59:11.549	22:01:26.376	134.82700
MM	76551	10-DEC-2009	23:39:58.018	23:41:48.001	109.98300

[BACK TO MENU]

1.4 - List of missing products

Station	Orbit	Date	Start Time	Stop Time	Duration (s)
MM	76537	10-DEC-2009	00:11:51.516	00:23:10.383	678.86700
HO	76538	10-DEC-2009	01:42:37.567	01:53:25.086	647.51900
BE	76539	10-DEC-2009	02:58:52.288	03:12:17.276	804.98800
SG	76539	10-DEC-2009	03:10:00.412	03:23:42.061	821.64900
CM	76539	10-DEC-2009	02:32:56.753	02:34:43.222	106.46900
BE	76540	10-DEC-2009	04:39:23.981	04:49:05.691	581.71000
MM	76540	10-DEC-2009	05:19:51.232	05:25:37.608	346.37600
SG	76540	10-DEC-2009	04:51:40.429	05:00:07.252	506.82300
CM	76540	10-DEC-2009	05:46:53.232	05:59:18.475	745.24300
JO	76541	10-DEC-2009	06:42:20.448	06:52:23.394	602.94600
MM	76542	10-DEC-2009	08:42:01.217	08:51:26.597	565.38000
MA	76542	10-DEC-2009	08:03:53.043	08:13:12.131	559.08800
JO	76542	10-DEC-2009	08:18:30.100	08:33:31.504	901.40400
JO	76543	10-DEC-2009	10:01:51.196	10:09:44.164	472.96800
HO	76544	10-DEC-2009	12:11:28.339	12:25:18.453	830.11400
MM	76544	10-DEC-2009	12:02:17.700	12:14:41.808	744.10800
MA	76544	10-DEC-2009	11:22:31.644	11:30:54.686	503.04200

HO	76545	10-DEC-2009	13:50:40.343	14:04:56.818	856.47500
MM	76545	10-DEC-2009	13:42:05.071	13:54:48.780	763.70900
SG	76545	10-DEC-2009	14:08:11.227	14:16:52.183	520.95600
BE	76546	10-DEC-2009	14:15:30.737	14:28:54.372	803.63500
MM	76546	10-DEC-2009	15:21:36.685	15:34:15.209	758.52400
GS	76546	10-DEC-2009	14:42:47.500	14:53:37.856	650.35600
SG	76546	10-DEC-2009	15:44:44.651	15:58:24.451	819.80000
BE	76547	10-DEC-2009	15:58:50.566	16:05:54.783	424.21700
GS	76547	10-DEC-2009	16:21:39.927	16:35:25.069	825.14200
CM	76547	10-DEC-2009	16:30:16.005	16:42:40.698	744.69300
MM	76548	10-DEC-2009	18:40:00.551	18:52:36.398	755.84700
KS	76548	10-DEC-2009	17:46:40.724	17:59:43.469	782.74500
GS	76548	10-DEC-2009	18:02:19.246	18:11:24.871	545.62500
JO	76548	10-DEC-2009	19:02:44.843	19:09:46.159	421.31600
MA	76549	10-DEC-2009	19:21:42.938	19:30:34.785	531.84700
JO	76549	10-DEC-2009	20:38:34.395	20:53:34.794	900.39900
HO	76550	10-DEC-2009	21:54:05.965	22:03:28.730	562.76500
JO	76550	10-DEC-2009	22:19:31.594	22:30:01.275	629.68100
HO	76551	10-DEC-2009	23:29:43.053	23:44:02.552	859.49900
MA	76551	10-DEC-2009	22:42:26.298	22:47:40.662	314.36400

[BACK TO MENU]

1.5 - List of corrupted products

Station	Orbit	Time

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2 - Instrument Indicators and Daily Plots

2.1 - Instrument Indicators Status

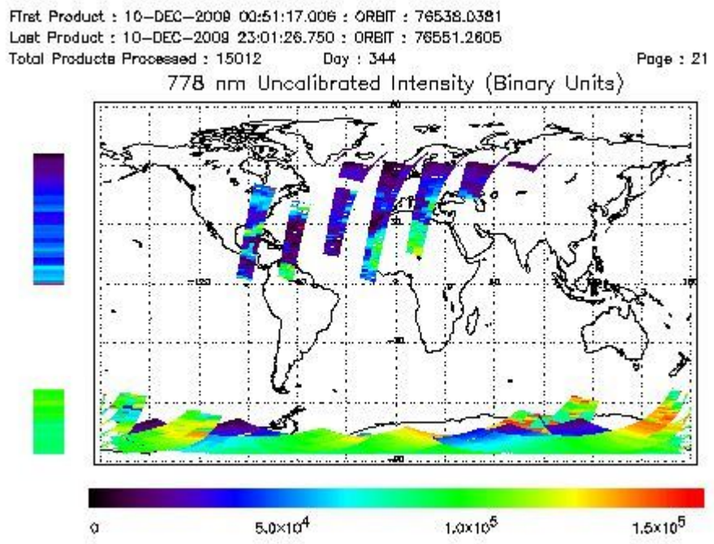
Indicator	Value
MPH Product Confidence	OK
SPH Product Confidence	OK
Command Word Echo Summary	OK
Instrument Status 1A	OK
Instrument Status 1B	OK
Instrument Status 2	OK
Integration Times Channel 1	OK
Co-Adding and Cluster Mode Flags	OK
Integration Times Band 2A	OK
Integration Times Band 2B	OK
Integration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

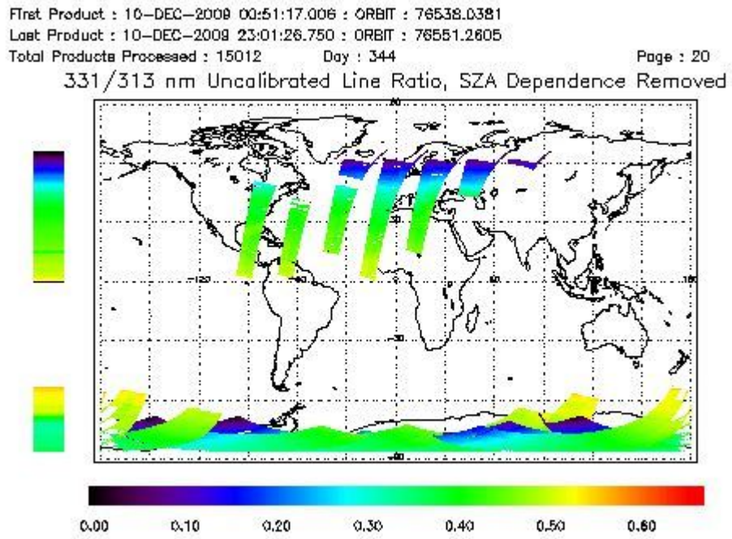
2.2 - Daily Plots

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

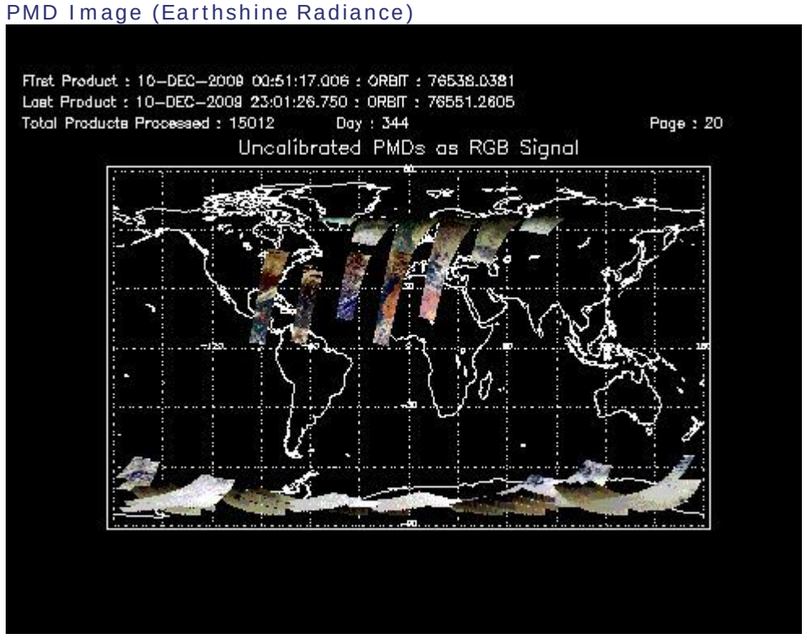
NEAR IR Intensity



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)
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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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[BACK TO MENU]

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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[BACK TO MENU]

(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