GOME Daily Report

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1 - General Info

1.1 - Report Summary

Item	Value
Report Version	GOMEver3_3
Report of Day	19-SEP-2009
Start Time of First Product	23:50:30 (18-Sep)
Stop Time of Last Product	23:38:50
Number of EGOI Products analysed	17
Number of corrupted products	--
Anomalies and/or Special Operations	A data dissemination interruption occurred between ca 11:00 and 19:00 UTC due to a problem in the ground segment

1.2 - List of received products

Name	Date	Time
EGOI_090919BEEP0729.E2	19-SEP-2009	02:38:57.688
EGOI_090919KSEP3243.E2	19-SEP-2009	07:33:14.469
EGOI_090919KSEP3252.E2	19-SEP-2009	19:04:48.672
EGOI_090919KSEP3286.E2	19-SEP-2009	20:44:25.278
EGOI_090919KSEP3315.E2	19-SEP-2009	22:26:22.895
EGOI_090919MAEP4022.E2	19-SEP-2009	09:20:31.625
EGOI_090919MAEP4029.E2	19-SEP-2009	11:00:33.727
EGOI_090919MAEP4048.E2	19-SEP-2009	22:18:31.848
EGOI_090919MIEP9535.E2	19-SEP-2009	02:10:20.008

EGOI_090919MIEP9557.E2	19-SEP-2009	03:47:11.598
EGOI_090919MMEP8540.E2	18-SEP-2009	23:50:29.664
EGOI_090919MMEP8548.E2	19-SEP-2009	01:32:01.774
EGOI_090919MMEP8555.E2	19-SEP-2009	03:14:33.903
EGOI_090919MMEP8563.E2	19-SEP-2009	04:57:15.024
EGOI_090919MMEP8569.E2	19-SEP-2009	06:39:14.141
EGOI_090919MMEP8580.E2	19-SEP-2009	08:20:22.254
EGOI_090919MSEP7726.E2	19-SEP-2009	00:27:05.883

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1.3 - List of data gaps

Station	Orbit	Date	Start Time	Stop Time	Duration (s)
KS	75368	19-SEP-2009	07:31:07.812	07:33:14.468	126.65600
KS	75375	19-SEP-2009	19:02:30.152	19:04:48.672	138.52000
KS	75376	19-SEP-2009	20:42:20.351	20:44:25.277	124.92600
KS	75377	19-SEP-2009	22:24:17.860	22:26:22.894	125.03400
MS	75364	19-SEP-2009	00:24:58.333	00:27:05.882	127.54900
MA	75369	19-SEP-2009	09:19:00.978	09:20:31.624	90.646000
MA	75370	19-SEP-2009	10:58:49.004	11:00:33.726	104.72200
MA	75377	19-SEP-2009	22:17:25.167	22:18:31.847	66.680000
MI	75365	19-SEP-2009	02:07:55.231	02:10:20.008	144.77700
MI	75366	19-SEP-2009	03:44:41.308	03:47:11.597	150.28900
MM	75363	18-SEP-2009	23:48:39.232	23:50:29.663	110.43100
MM	75364	19-SEP-2009	01:30:35.679	01:32:01.774	86.095000
MM	75365	19-SEP-2009	03:13:27.491	03:14:33.903	66.412000
MM	75368	19-SEP-2009	08:19:03.786	08:20:22.254	78.468000
BE	75365	19-SEP-2009	02:36:14.396	02:38:57.688	163.29200

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1.4 - List of missing products

Station	Orbit	Date	Start Time	Stop Time	Duration (s)
GS	75364	19-SEP-2009	00:35:33.460	00:42:46.613	433.15300
GS	75365	19-SEP-2009	02:10:39.721	02:23:54.886	795.16500
SG	75365	19-SEP-2009	02:47:47.170	03:00:36.549	769.37900
CM	75365	19-SEP-2009	03:43:47.132	03:55:54.805	727.67300
BE	75366	19-SEP-2009	04:16:09.710	04:27:29.566	679.85600
GS	75366	19-SEP-2009	03:50:17.157	04:03:09.446	772.28900
SG	75366	19-SEP-2009	04:27:34.918	04:39:00.061	685.14300

KS	75367	19-SEP-2009	05:52:41.826	05:56:43.245	241.41900
CM	75367	19-SEP-2009	05:25:39.730	05:32:48.298	428.56800
JO	75367	19-SEP-2009	06:22:01.993	06:28:01.963	359.97000
JO	75368	19-SEP-2009	07:55:55.594	08:10:46.583	890.98900
MM	75369	19-SEP-2009	09:59:22.861	10:10:21.008	658.14700
KS	75369	19-SEP-2009	09:10:41.216	09:24:18.432	817.21600
JO	75369	19-SEP-2009	09:37:12.118	09:48:35.832	683.71400
MM	75370	19-SEP-2009	11:39:27.154	11:51:41.053	733.89900
KS	75370	19-SEP-2009	10:50:17.506	11:04:11.880	834.37400
MS	75370	19-SEP-2009	11:03:28.051	11:16:08.663	760.61200
MM	75371	19-SEP-2009	13:19:17.843	13:32:00.096	762.25300
KS	75371	19-SEP-2009	12:29:38.332	12:42:35.645	777.31300
MS	75371	19-SEP-2009	12:43:10.565	12:54:39.130	688.56500
HO	75372	19-SEP-2009	15:08:50.648	15:17:23.735	513.08700
MM	75372	19-SEP-2009	14:58:53.217	15:11:33.848	760.63100
MI	75372	19-SEP-2009	14:28:29.536	14:35:04.080	394.54400
KS	75372	19-SEP-2009	14:08:31.233	14:20:18.589	707.35600
GS	75372	19-SEP-2009	14:20:37.971	14:30:54.261	616.29000
SG	75372	19-SEP-2009	15:21:58.719	15:35:51.288	832.56900
BE	75373	19-SEP-2009	15:34:18.814	15:44:23.438	604.62400
MM	75373	19-SEP-2009	16:38:12.364	16:50:44.787	752.42300
MI	75373	19-SEP-2009	16:04:46.281	16:18:08.159	801.87800
KS	75373	19-SEP-2009	15:46:25.764	15:58:18.380	712.61600
GS	75373	19-SEP-2009	15:58:53.796	16:12:49.829	836.03300
CM	75373	19-SEP-2009	16:07:41.542	16:19:53.177	731.63500
MM	75374	19-SEP-2009	18:17:20.903	18:29:54.886	753.98300
MI	75374	19-SEP-2009	17:47:23.316	17:52:32.377	309.06100
KS	75374	19-SEP-2009	17:24:18.515	17:37:03.523	765.00800
GS	75374	19-SEP-2009	17:39:06.796	17:49:56.265	649.46900
CM	75374	19-SEP-2009	17:49:02.210	17:56:15.841	433.63100
MM	75375	19-SEP-2009	19:56:34.920	20:09:17.543	762.62300
MA	75375	19-SEP-2009	19:00:51.428	19:05:59.760	308.33200
JO	75375	19-SEP-2009	20:16:02.665	20:30:39.247	876.58200
MM	75376	19-SEP-2009	21:36:17.672	21:48:56.674	759.00200
MA	75376	19-SEP-2009	20:34:25.644	20:48:06.171	820.52700
JO	75376	19-SEP-2009	21:56:01.260	22:08:39.124	757.86400

HO	75377	19-SEP-2009	23:07:28.545	23:21:12.867	824.32200
MM	75377	19-SEP-2009	23:16:50.464	23:28:50.809	720.34500
MS	75377	19-SEP-2009	22:13:29.081	22:25:12.643	703.56200
JO	75376	19-SEP-2009	21:56:01.260	22:08:39.124	757.86400
HO	75377	19-SEP-2009	23:07:28.545	23:21:12.867	824.32200
MM	75377	19-SEP-2009	23:16:50.464	23:28:50.809	720.34500
MS	75377	19-SEP-2009	22:13:29.081	22:25:12.643	703.56200

[BACK TO MENU]

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	South Polar View operations
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

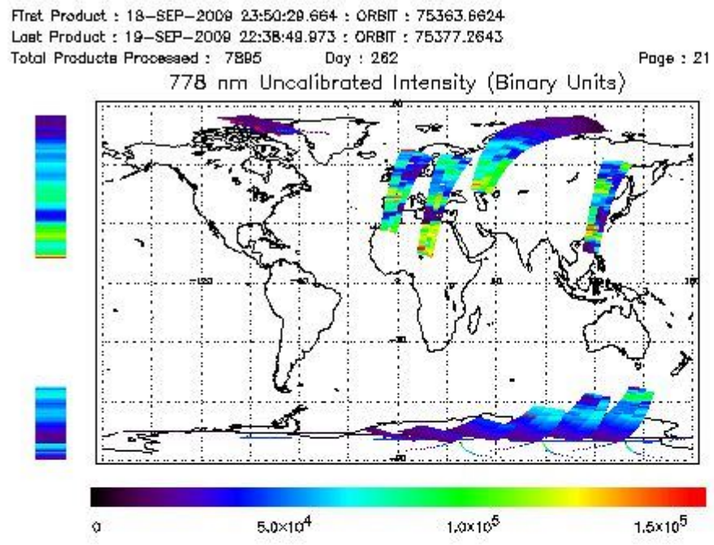
Log Pages	OK
331/338 nm Uncal. Line Ratio	OK
Uncal. PMDs as RGB signal	OK
780 nm Uncal. Intensity	OK

(1)

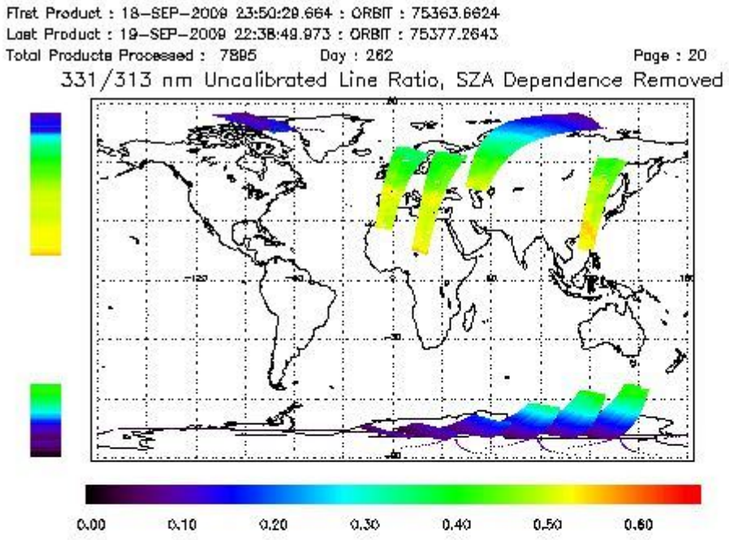
2.2 - Daily Plots

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

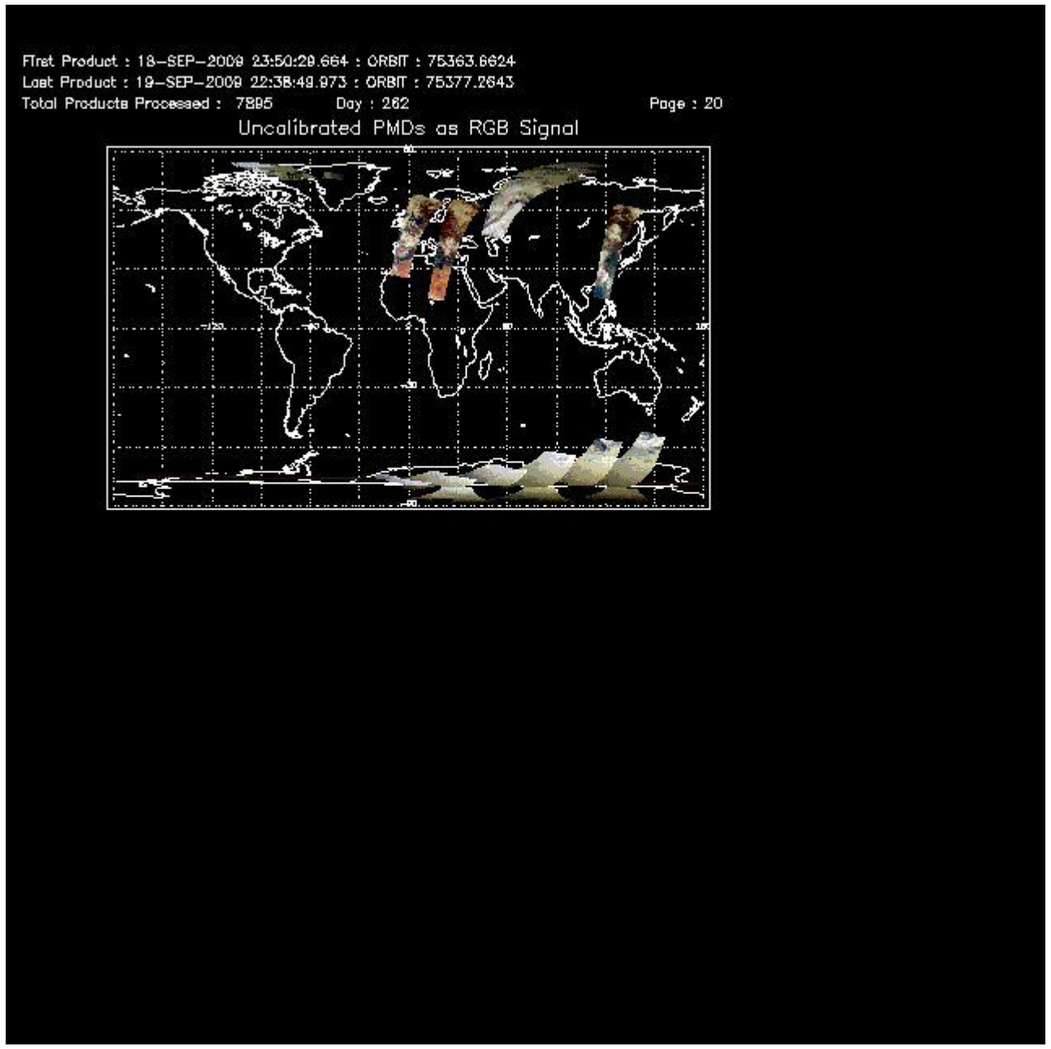
NEAR IR Intensity



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 (Y/NS/NE)	Warm Detector Temperature (TST/44)	Max PMD Readout during solar calibration (BU set 2/12)
D	19:14:23.230	--	75375	Y	--	15126

(2)(3)

3.2 - Lamp Calibration (Quarterly/TST44)

Quarterly(Q)/TST44(T)	Start Time	End Time	Orbit	Ground Station Visibility (Y/NS/NE)	Warm Detector Temperature (TST/44)	Lamp Instability Voltage (if any)(V)	Lamp Failure N. (if any)
--	--	--	--	--	--	--	--

(2)(3)

[BACK TO MENU]

4 - Instrument Anomalies

4.1 - Single Event Upset (SEU)

Start Time	End Time	Start Orbit	End Orbit	Ground Station Visibility (Y/NS/NE)
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(2)

4.2 - Instrument Off

Start Time	End Time	Start Orbit	End Orbit	MPS Resumption	Ground Station Visibility (Y/NS/NE)
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(2)

4.3 - Cooler Switchings

Start Time	End Time	Start Orbit	End Orbit	Ground Station Visibility (Y/NS/NE)	Max Temp. Ch 1	Max Temp. Ch 2	Max Temp. Ch 3	Max Temp. Ch 4
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(2)

[BACK TO MENU]

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5 - Instrument Operations

5.1 - Timeline Interruptions

Start Time	End Time	Start Orbit	End Orbit	Ground Station Visibility (Y/NS/NE)
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(2)

5.2 - TST44

Start Time	Start Orbit	Ground Station Visibility (Y/NS/NE)
--	--	--

(2)

5.3 - Power Cycle

Start Time	End Time	Start Orbit	End Orbit	Ground Station Visibility (Y/NS/NE)
--	--	--	--	--

(2)

5.4 - Wrong Command Execution

Start Time	End Time	Start Orbit	End Orbit	Ground Station Visibility (Y/NS/NE)
--	--	--	--	--

(2)

5.5 - Narrow Swath Timeline

Start Time	End Time	Start Orbit	End Orbit
--	--	--	--

5.6 - Seasonal Operations

Start Time	End Time	Start Orbit	End Orbit

01:00 05-Sep	--	75164	--

[BACK TO MENU]

Legend:
(1) The Instrument Indicators field has the values: OK or NOK (Not OK)
(2) The Ground Station Visibility field has the values: Y (in case of visibility); NS (No Start); NE (No End). This occurs since the failure of the on-board recorder (2003)
(3) 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