GOME Daily Report

INDEX

1 - General Info

1.1 - Report Summary

Item	Value
Report Version	GOMEver3_3
Report of Day	27-SEP-2009
Start Time of First Product	00:06:27
Stop Time of Last Product	23:27:10
Number of EGOI Products analysed	35
Number of corrupted products	--
Anomalies and/or Special Operations	long science dump over MI, orbit 75480, time interval: 02:56:29-03:04:19

1.2 - List of received products

Name	Date	Time
EGOI_090927GSEP9408.E2	27-SEP-2009	01:23:08.968
EGOI_090927GSEP9436.E2	27-SEP-2009	03:00:27.558
EGOI_090927GSEP9464.E2	27-SEP-2009	04:42:46.187
EGOI_090927GSEP9471.E2	27-SEP-2009	06:24:43.807
EGOI_090927KSEP5147.E2	26-SEP-2009	23:49:44.400
EGOI_090927KSEP5165.E2	27-SEP-2009	06:42:04.906
EGOI_090927KSEP5186.E2	27-SEP-2009	08:22:01.025
EGOI_090927KSEP5211.E2	27-SEP-2009	10:01:40.566
EGOI_090927KSEP5221.E2	27-SEP-2009	11:41:15.735

EGOI_090927KSEP5240.E2	27-SEP-2009	13:20:17.842
EGOI_090927KSEP5263.E2	27-SEP-2009	14:58:58.948
EGOI_090927KSEP5280.E2	27-SEP-2009	16:36:37.043
EGOI_090927KSEP5311.E2	27-SEP-2009	18:14:33.139
EGOI_090927KSEP5339.E2	27-SEP-2009	19:53:00.741
EGOI_090927KSEP5367.E2	27-SEP-2009	21:33:46.353
EGOI_090927KSEP5387.E2	27-SEP-2009	23:16:42.483
EGOI_090927MAEP4279.E2	27-SEP-2009	08:25:18.112
EGOI_090927MAEP4291.E2	27-SEP-2009	10:09:07.674
EGOI_090927MAEP4310.E2	27-SEP-2009	21:25:52.306
EGOI_090927MIEP9906.E2	27-SEP-2009	02:56:29.034
EGOI_090927MIEP9933.E2	27-SEP-2009	04:36:44.648
EGOI_090927MIEP9960.E2	27-SEP-2009	15:16:36.550
EGOI_090927MMEP8735.E2	27-SEP-2009	00:39:40.205
EGOI_090927MMEP8741.E2	27-SEP-2009	02:21:52.824
EGOI_090927MMEP8748.E2	27-SEP-2009	04:04:35.449
EGOI_090927MMEP8758.E2	27-SEP-2009	10:49:40.924
EGOI_090927MMEP8766.E2	27-SEP-2009	12:29:32.537
EGOI_090927MMEP8775.E2	27-SEP-2009	14:09:24.144
EGOI_090927MSEP8442.E2	26-SEP-2009	00:06:26.715
EGOI_090927MSEP8459.E2	26-SEP-2009	10:46:45.617
EGOI_090927MSEP8488.E2	26-SEP-2009	12:25:44.728
EGOI_090927MSEP8503.E2	27-SEP-2009	10:16:39.217
EGOI_090927MSEP8532.E2	27-SEP-2009	11:54:09.813
EGOI_090927MSEP8552.E2	27-SEP-2009	13:36:08.939
EGOI_090927MSEP8569.E2	27-SEP-2009	21:27:26.813
EGOI_090927MSEP8601.E2	27-SEP-2009	23:02:54.401
EGOI_090927SGEP9947.E2	27-SEP-2009	14:35:16.800
EGOI_090927SGEP9956.E2	27-SEP-2009	16:13:51.899

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1.3 - List of data gaps

Station	Orbit	Date	Start Time	Stop Time	Duration (s)
KS	75482	27-SEP-2009	06:40:08.954	06:42:04.905	115.95100
KS	75483	27-SEP-2009	08:19:27.321	08:22:01.024	153.70300
KS	75484	27-SEP-2009	09:59:04.847	10:01:40.565	155.71800
KS	75485	27-SEP-2009	11:38:35.796	11:41:15.735	159.93900
KS	75486	27-SEP-2009	13:17:42.386	13:20:17.842	155.45600
KS	75487	27-SEP-2009	14:56:18.662	14:58:58.948	160.28600
KS	75488	27-SEP-2009	16:33:56.000	16:36:37.042	161.04200
KS	75489	27-SEP-2009	18:11:46.609	18:14:33.138	166.52900
KS	75490	27-SEP-2009	19:50:46.201	19:53:00.741	134.54000

KS	75491	27-SEP-2009	21:31:33.207	21:33:46.353	133.14600
KS	75492	27-SEP-2009	23:14:51.148	23:16:42.483	111.33500
GS	75479	27-SEP-2009	01:20:57.676	01:23:08.967	131.29100
GS	75480	27-SEP-2009	02:58:24.573	03:00:27.557	122.98400
GS	75481	27-SEP-2009	04:40:49.140	04:42:46.187	117.04700
MS	75484	27-SEP-2009	10:14:00.794	10:16:39.217	158.42300
MS	75485	27-SEP-2009	11:51:27.498	11:54:09.813	162.31500
MS	75492	27-SEP-2009	23:00:44.419	23:02:54.400	129.98100
MA	75483	27-SEP-2009	08:37:06.181	08:40:10.697	184.51600
MA	75484	27-SEP-2009	10:07:08.310	10:09:07.673	119.36300
MA	75491	27-SEP-2009	21:23:11.241	21:25:52.306	161.06500
MI	75480	27-SEP-2009	02:53:58.185	02:56:29.033	150.84800
MI	75481	27-SEP-2009	04:34:18.596	04:36:44.648	146.05200
MI	75487	27-SEP-2009	15:14:12.350	15:16:36.550	144.20000
MM	75478	27-SEP-2009	00:38:01.975	00:39:40.205	98.230000
MM	75479	27-SEP-2009	02:20:28.257	02:21:52.823	84.566000
MM	75480	27-SEP-2009	04:03:32.957	04:04:35.448	62.491000
MM	75484	27-SEP-2009	10:48:00.880	10:49:40.924	100.04400
MM	75485	27-SEP-2009	12:27:58.706	12:29:32.537	93.831000
MM	75486	27-SEP-2009	14:07:42.202	14:09:24.144	101.94200
SG	75486	27-SEP-2009	14:32:04.159	14:35:16.799	192.64000
SG	75487	27-SEP-2009	16:10:46.513	16:13:51.899	185.38600

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1.4 - List of missing products

Station	Orbit	Date	Start Time	Stop Time	Duration (s)
HO	75478	27-SEP-2009	00:26:14.532	00:40:52.434	877.90200
BE	75479	27-SEP-2009	01:45:58.002	01:56:45.762	647.76000
BE	75480	27-SEP-2009	03:24:28.805	03:37:42.074	793.26900
SG	75480	27-SEP-2009	03:35:25.382	03:49:16.038	830.65600
CM	75480	27-SEP-2009	02:54:50.710	03:03:19.575	508.86500
CM	75480	27-SEP-2009	04:32:03.569	04:44:00.161	716.59200
MM	75481	27-SEP-2009	05:46:05.677	05:51:58.277	352.60000
MM	75482	27-SEP-2009	07:27:19.337	07:34:58.862	459.52500
JO	75482	27-SEP-2009	07:06:18.730	07:18:53.028	754.29800
MM	75483	27-SEP-2009	09:07:49.541	09:17:48.736	599.19500

JO	75483	27-SEP-2009	08:44:15.557	08:58:53.512	877.95500
MA	75485	27-SEP-2009	11:48:56.295	11:54:34.570	338.27500
HO	75486	27-SEP-2009	14:16:36.881	14:29:24.321	767.44000
BE	75487	27-SEP-2009	14:41:20.450	14:54:19.235	778.78500
MM	75487	27-SEP-2009	15:47:09.570	15:59:45.678	756.10800
GS	75487	27-SEP-2009	15:07:59.744	15:21:08.560	788.81600
CM	75487	27-SEP-2009	15:18:21.653	15:26:52.077	510.42400
MM	75488	27-SEP-2009	17:26:22.236	17:38:53.857	751.62100
MI	75488	27-SEP-2009	16:53:36.221	17:05:21.031	704.81000
GS	75488	27-SEP-2009	16:47:22.316	17:00:33.617	791.30100
CM	75488	27-SEP-2009	16:56:00.556	17:07:51.868	711.31200
MM	75489	27-SEP-2009	19:05:30.785	19:18:09.030	758.24500
JO	75489	27-SEP-2009	19:26:22.092	19:37:40.451	678.35900
MM	75490	27-SEP-2009	20:44:55.780	20:57:39.674	763.89400
MA	75490	27-SEP-2009	19:44:18.177	19:56:44.564	746.38700
JO	75490	27-SEP-2009	21:04:08.737	21:19:00.572	891.83500
HO	75491	27-SEP-2009	22:18:01.539	22:29:37.366	695.82700
MM	75491	27-SEP-2009	22:25:00.575	22:37:26.374	745.79900
JO	75491	27-SEP-2009	22:46:48.376	22:53:00.619	372.24300
HO	75492	27-SEP-2009	23:55:08.668	00:09:38.960	870.29200

[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

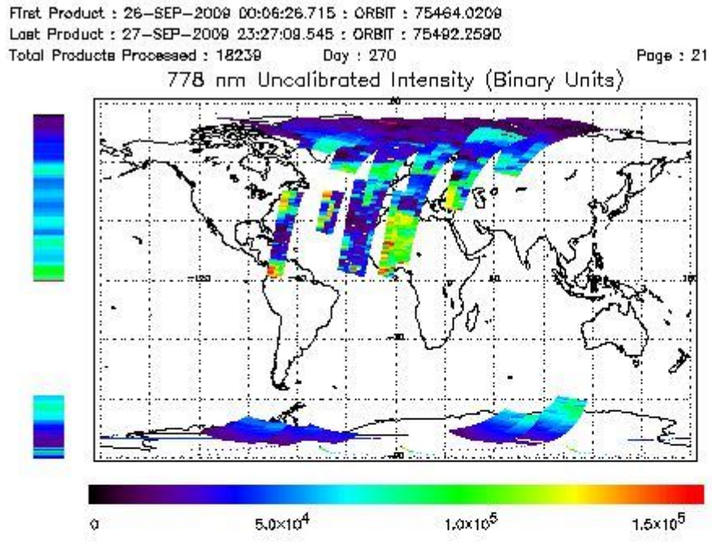
Integration Times Band 4	OK
Scan Mirror position	South Polar View operations
Polarization Detectors	OK
FPA Temperatures A	OK
FPA Temperaturas B	OK
Charge Amp Temperatures	OK
Other Temperatures A	OK
DDHU Temperatures	OK
Optical Bench Temperatures	OK
Other Temperatures B	OK
Calibration Lamp and Instr. Status 3	OK
Scan Mirror and Motor Current	OK
Selected Temperature A	OK
Selected Temperature B	OK
Selected Temperature C	OK
Channel 1 Summation	anomalous values due to long science dump
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)

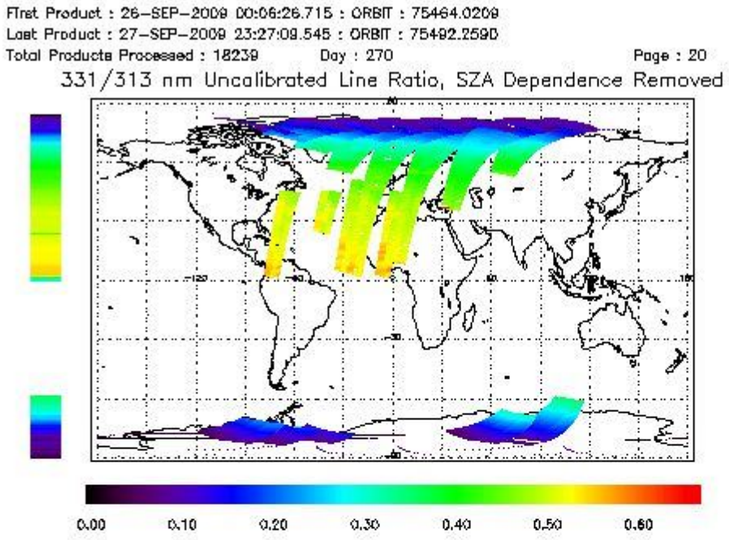
2.2 - Daily Plots

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

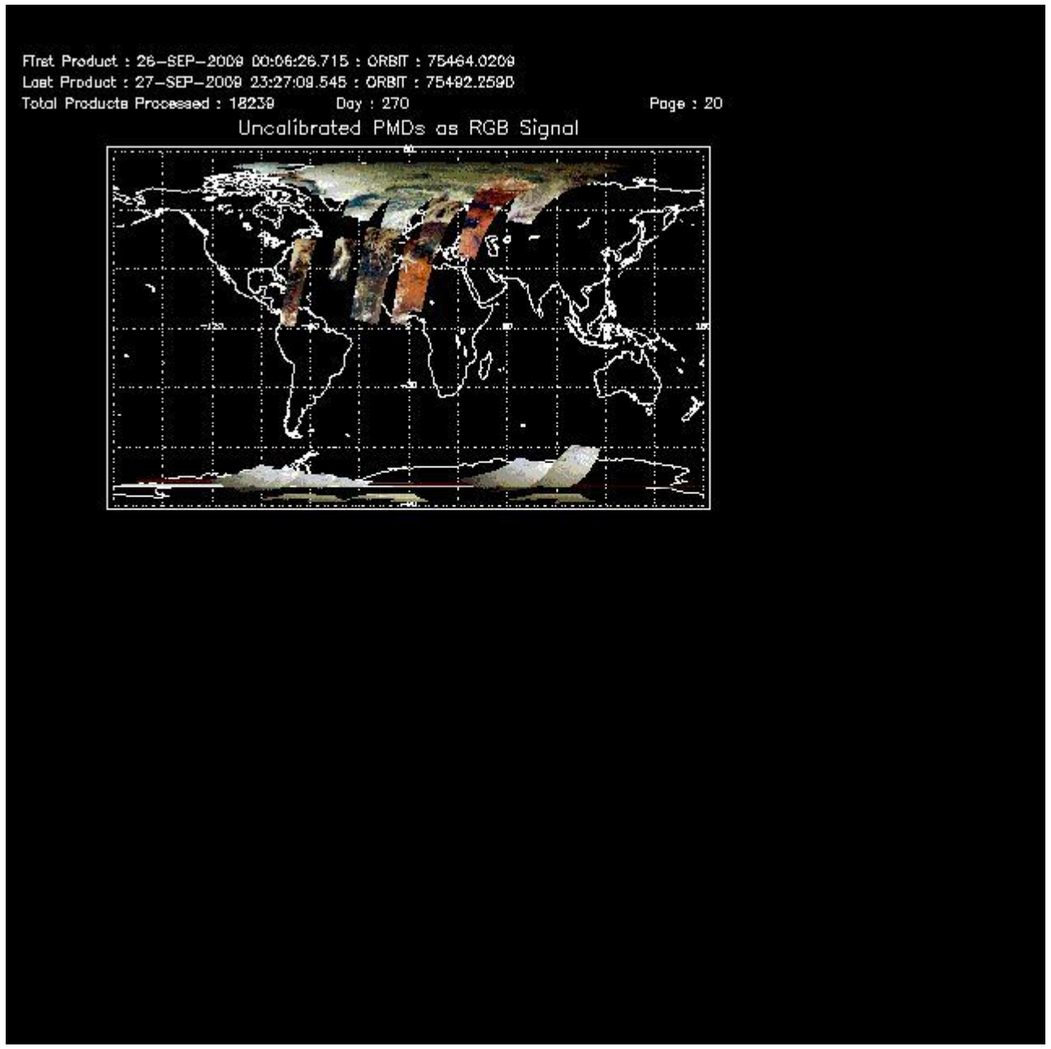
NEAR IR Intensity



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	18:23:42.190	--	75489	Y	--	15169

(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)
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(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)
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(2)

5.3 - Power Cycle

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

5.4 - Wrong Command Execution

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

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

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