GOME Daily Report

INDEX

1 - General Info

1.1 - Report Summary

Item	Value
Report Version	GOMEver3_3
Report of Day	12-SEP-2009
Start Time of First Product	00:10:33
Stop Time of Last Product	23:58:43
Number of EGOI Products analysed	37
Number of corrupted products	--
Anomalies and/or Special Operations	Nominal Data

1.2 - List of received products

Name	Date	Time
EGOI_090912GSEP8592.E2	12-SEP-2009	00:56:03.565
EGOI_090912GSEP8623.E2	12-SEP-2009	02:32:26.647
EGOI_090912GSEP8653.E2	12-SEP-2009	04:12:52.761
EGOI_090912GSEP8660.E2	12-SEP-2009	05:55:18.874
EGOI_090912KSEP1303.E2	12-SEP-2009	06:13:42.987
EGOI_090912KSEP1333.E2	12-SEP-2009	07:53:33.089
EGOI_090912KSEP1360.E2	12-SEP-2009	09:33:11.190
EGOI_090912KSEP1395.E2	12-SEP-2009	11:12:47.792
EGOI_090912KSEP1427.E2	12-SEP-2009	12:52:01.894

EGOI_090912KSEP1439.E2	12-SEP-2009	14:30:52.004
EGOI_090912KSEP1454.E2	12-SEP-2009	16:08:36.095
EGOI_090912KSEP1484.E2	12-SEP-2009	17:46:32.190
EGOI_090912KSEP1520.E2	12-SEP-2009	19:24:34.285
EGOI_090912KSEP1549.E2	12-SEP-2009	21:04:34.887
EGOI_090912KSEP1578.E2	12-SEP-2009	22:47:08.510
EGOI_090912MAEP3766.E2	12-SEP-2009	09:40:54.733
EGOI_090912MAEP3786.E2	12-SEP-2009	20:57:03.340
EGOI_090912MIEP8926.E2	12-SEP-2009	02:28:59.628
EGOI_090912MIEP8954.E2	12-SEP-2009	04:08:01.730
EGOI_090912MIEP8979.E2	12-SEP-2009	14:49:16.109
EGOI_090912MIEP9008.E2	12-SEP-2009	16:27:12.204
EGOI_090912MMEP8158.E2	12-SEP-2009	00:10:33.294
EGOI_090912MMEP8163.E2	12-SEP-2009	01:52:29.405
EGOI_090912MMEP8170.E2	12-SEP-2009	03:35:22.526
EGOI_090912MMEP8177.E2	12-SEP-2009	05:17:42.647
EGOI_090912MMEP8187.E2	12-SEP-2009	08:40:31.870
EGOI_090912MMEP8196.E2	12-SEP-2009	13:40:50.187
EGOI_090912MMEP8207.E2	12-SEP-2009	18:39:32.508
EGOI_090912MMEP8215.E2	12-SEP-2009	21:58:50.219
EGOI_090912MSEP6954.E2	12-SEP-2009	00:48:17.019
EGOI_090912MSEP6974.E2	12-SEP-2009	11:25:50.874
EGOI_090912MSEP6998.E2	12-SEP-2009	13:06:28.983
EGOI_090912MSEP7031.E2	12-SEP-2009	22:35:14.436
EGOI_090912SGEP9653.E2	12-SEP-2009	03:09:25.370
EGOI_090912SGEP9661.E2	12-SEP-2009	04:50:40.983
EGOI_090912SGEP9669.E2	12-SEP-2009	14:07:33.859
EGOI_090912SGEP9676.E2	12-SEP-2009	15:44:37.446

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1.3 - List of data gaps

Station	Orbit	Date	Start Time	Stop Time	Duration (s)
GS	75264	12-SEP-2009	00:54:01.936	00:56:03.564	121.62800
GS	75265	12-SEP-2009	02:30:09.869	02:32:26.647	136.77800
GS	75266	12-SEP-2009	04:10:51.569	04:12:52.760	121.19100
MS	75264	12-SEP-2009	00:46:29.061	00:48:17.018	107.95700
MI	75265	12-SEP-2009	02:26:35.741	02:28:59.627	143.88600
MI	75266	12-SEP-2009	04:04:52.995	04:08:01.730	188.73500
MM	75263	12-SEP-2009	00:08:57.289	00:10:33.294	96.005000
MM	75264	12-SEP-2009	01:51:06.422	01:52:29.405	82.983000
MM	75265	12-SEP-2009	03:34:05.233	03:35:22.525	77.292000
SG	75265	12-SEP-2009	03:07:12.531	03:09:25.370	132.83900

SG	75266	12-SEP-2009	04:48:36.259	04:50:40.982	124.72300

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1.4 - List of missing products

Station	Orbit	Date	Start Time	Stop Time	Duration (s)
HO	75263	11-SEP-2009	23:57:58.437	00:12:29.487	871.05000
HO	75264	12-SEP-2009	01:39:30.671	01:50:39.867	669.19600
BE	75265	12-SEP-2009	02:56:02.123	03:09:26.614	804.49100
CM	75265	12-SEP-2009	04:03:27.295	04:15:52.516	745.22100
BE	75266	12-SEP-2009	04:36:28.898	04:46:25.027	596.12900
MM	75267	12-SEP-2009	06:58:30.312	07:05:30.699	420.38700
JO	75267	12-SEP-2009	06:39:43.885	06:49:24.341	580.45600
MA	75268	12-SEP-2009	08:01:42.967	08:10:09.416	506.44900
JO	75268	12-SEP-2009	08:15:39.811	08:30:41.483	901.67200
MM	75269	12-SEP-2009	10:19:24.779	10:30:42.283	677.50400
MM	75270	12-SEP-2009	11:59:26.420	12:11:49.385	742.96500
MA	75270	12-SEP-2009	11:19:35.232	11:28:08.896	513.66400
BE	75272	12-SEP-2009	14:12:39.857	14:26:04.308	804.45100
MM	75272	12-SEP-2009	15:18:46.299	15:31:25.094	758.79500
GS	75272	12-SEP-2009	14:40:00.385	14:50:53.533	653.14800
BE	75273	12-SEP-2009	15:55:42.728	16:03:16.679	453.95100
MM	75273	12-SEP-2009	16:58:02.559	17:10:34.290	751.73100
GS	75273	12-SEP-2009	16:18:48.906	16:32:36.400	827.49400
CM	75273	12-SEP-2009	16:27:25.738	16:39:50.997	745.25900
GS	75274	12-SEP-2009	17:59:24.524	18:08:44.994	560.47000
JO	75274	12-SEP-2009	19:00:16.445	19:06:30.544	374.09900
MM	75275	12-SEP-2009	20:16:28.407	20:29:12.059	763.65200
MA	75275	12-SEP-2009	19:19:03.592	19:27:39.454	515.86200
JO	75275	12-SEP-2009	20:35:44.772	20:50:43.866	899.09400
HO	75276	12-SEP-2009	21:51:29.029	22:00:32.919	543.89000
JO	75276	12-SEP-2009	22:16:33.860	22:27:23.005	649.14500
HO	75277	12-SEP-2009	23:26:55.038	23:41:11.638	856.60000
MM	75277	12-SEP-2009	23:37:04.387	23:48:51.253	706.86600
MA	75277	12-SEP-2009	22:39:11.059	22:45:05.640	354.58100

[BACK TO MENU]

1.5 - List of corrupted products

2 - Instrument Indicators and Daily Plots

2.1 - Instrument Indicators Status

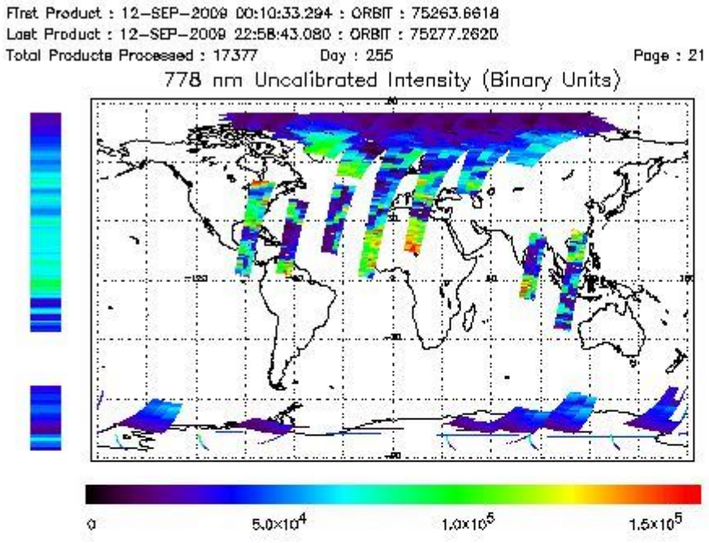
Indicator	Value
MPH Product Confidence	OK
SPH Product Confidence	OK
Command Word Echo Summary	OK
Instrument Status 1A	OK
Instrument Status 1B	OK
Instrument Status 2	OK
Integration Times Channel 1	OK
Co-Adding and Cluster Mode Flags	OK
Integration Times Band 2A	OK
Integration Times Band 2B	OK
Integration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

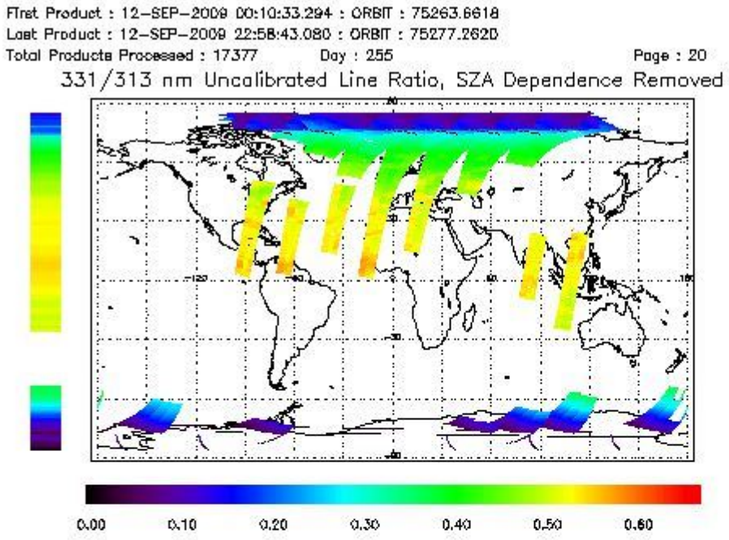
2.2 - Daily Plots

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

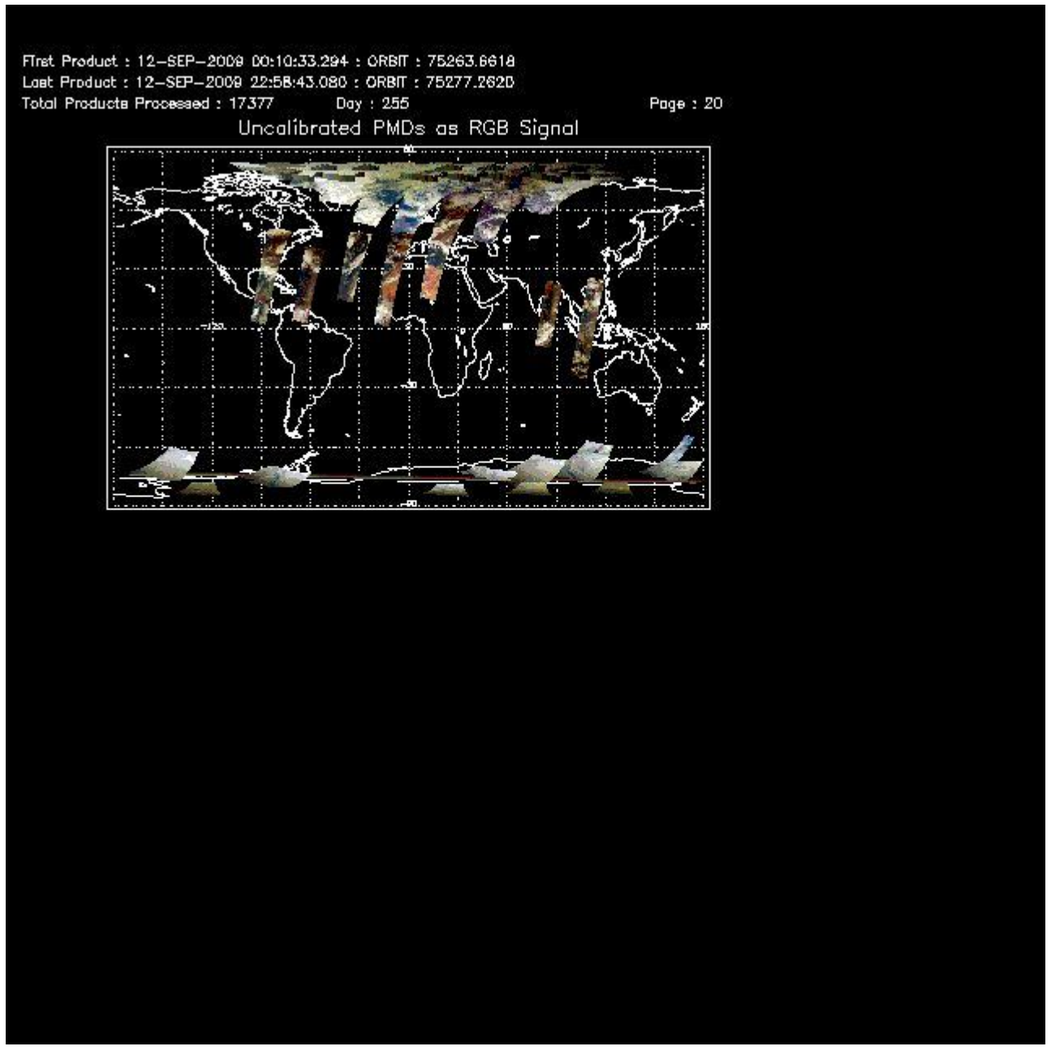
NEAR IR Intensity



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	19:33:44.839	--	75275	Y	--	15043

(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