GOME Daily Report

INDEX

1 - General Info

1.1 - Report Summary

Item	Value
Report Version	GOMEver3_3
Time of Report Generation	03-JUL-2009
Start Time of First Product	23:52:41 (02-JUL)
Stop Time of Last Product	23:29:52
Number of EGOI Products analysed	36
Number of corrupted products	
Anomalies and/or Special Operations	Nominal Data

1.2 - List of received products

Name	Date	Time
EGOI_090703GSEP3659.E2	03-JUL-2009	01:25:36.751
EGOI_090703GSEP3685.E2	03-JUL-2009	03:03:08.841
EGOI_090703GSEP3712.E2	03-JUL-2009	04:45:36.466
EGOI_090703GSEP3720.E2	03-JUL-2009	06:27:32.583
EGOI_090703HLEP1788.E2	03-JUL-2009	00:31:31.923
EGOI_090703HLEP1797.E2	03-JUL-2009	02:18:04.068
EGOI_090703HLEP1803.E2	03-JUL-2009	14:22:08.469
EGOI_090703HLEP1812.E2	03-JUL-2009	22:23:14.388
EGOI_090703KSEP2531.E2	02-JUL-2009	23:52:40.688

EGOI_090703KSEP2551.E2	03-JUL-2009	06:44:49.189
EGOI_090703KSEP2574.E2	03-JUL-2009	08:24:42.298
EGOI_090703KSEP2596.E2	03-JUL-2009	10:04:21.901
EGOI_090703KSEP2621.E2	03-JUL-2009	11:43:57.006
EGOI_090703KSEP2642.E2	03-JUL-2009	13:22:57.608
EGOI_090703KSEP2657.E2	03-JUL-2009	15:01:38.711
EGOI_090703KSEP2676.E2	03-JUL-2009	16:39:13.801
EGOI_090703KSEP2707.E2	03-JUL-2009	18:17:15.899
EGOI_090703KSEP2742.E2	03-JUL-2009	19:55:52.497
EGOI_090703KSEP2767.E2	03-JUL-2009	21:36:38.106
EGOI_090703KSEP2788.E2	03-JUL-2009	23:19:32.731
EGOI_090703MAEP1303.E2	03-JUL-2009	08:33:27.348
EGOI_090703MAEP1319.E2	03-JUL-2009	10:11:50.448
EGOI_090703MAEP1335.E2	03-JUL-2009	21:28:39.563
EGOI_090703MIEP2947.E2	03-JUL-2009	02:58:41.818
EGOI_090703MIEP2973.E2	03-JUL-2009	04:39:15.427
EGOI_090703MIEP3000.E2	03-JUL-2009	15:19:29.821
EGOI_090703MIEP3029.E2	03-JUL-2009	16:58:40.918
EGOI_090703MSEP8976.E2	03-JUL-2009	10:19:15.991
EGOI_090703MSEP9005.E2	03-JUL-2009	11:56:51.084
EGOI_090703MSEP9024.E2	03-JUL-2009	13:38:59.209
EGOI_090703MSEP9041.E2	03-JUL-2009	21:30:00.571
EGOI_090703MSEP9073.E2	03-JUL-2009	23:05:49.153
EGOI_090703SGEP8031.E2	03-JUL-2009	02:04:11.485
EGOI_090703SGEP8037.E2	03-JUL-2009	03:40:46.575
EGOI_090703SGEP8045.E2	03-JUL-2009	14:38:13.071
EGOI_090703SGEP8054.E2	03-JUL-2009	16:16:19.668

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1.3 - List of data gaps

Station	Orbit	Date	Start Time	Stop Time	Duration (s)
KS	74247	02-JUL-2009	23:51:09.328	23:52:40.688	91.360000
KS	74251	03-JUL-2009	06:42:58.310	06:44:49.189	110.87900
KS	74252	03-JUL-2009	08:22:18.029	08:24:42.297	144.26800
KS	74253	03-JUL-2009	10:01:55.618	10:04:21.901	146.28300
KS	74254	03-JUL-2009	11:41:26.128	11:43:57.006	150.87800
KS	74255	03-JUL-2009	13:20:31.732	13:22:57.608	145.87600
KS	74256	03-JUL-2009	14:59:05.990	15:01:38.710	152.72000
KS	74257	03-JUL-2009	16:36:42.908	16:39:13.801	150.89300
KS	74258	03-JUL-2009	18:14:35.173	18:17:15.898	160.72500
KS	74259	03-JUL-2009	19:53:37.307	19:55:52.496	135.18900
KS	74260	03-JUL-2009	21:34:27.932	21:36:38.106	130.17400

KS	74261	03-JUL-2009	23:17:51.244	23:19:32.731	101.48700
GS	74248	03-JUL-2009	01:23:40.850	01:25:36.751	115.90100
GS	74249	03-JUL-2009	03:01:15.498	03:03:08.841	113.34300
GS	74250	03-JUL-2009	04:43:51.986	04:45:36.466	104.48000
MS	74253	03-JUL-2009	10:16:43.661	10:19:15.991	152.33000
MS	74254	03-JUL-2009	11:54:16.989	11:56:51.084	154.09500
MS	74261	03-JUL-2009	23:03:33.966	23:05:49.153	135.18700
MA	74252	03-JUL-2009	08:31:07.012	08:33:27.348	140.33600
MA	74253	03-JUL-2009	10:09:59.664	10:11:50.447	110.78300
MA	74260	03-JUL-2009	21:26:04.638	21:28:39.562	154.92400
MI	74249	03-JUL-2009	02:56:44.514	02:58:41.818	117.30400
MI	74250	03-JUL-2009	04:37:18.097	04:39:15.426	117.32900
MI	74256	03-JUL-2009	15:16:58.691	15:19:29.820	151.12900
MI	74257	03-JUL-2009	16:56:30.759	16:58:40.918	130.15900
SG	74248	03-JUL-2009	02:02:34.379	02:04:11.484	97.105000
SG	74249	03-JUL-2009	03:38:16.338	03:40:46.575	150.23700
SG	74255	03-JUL-2009	14:34:46.958	14:38:13.070	206.11200
SG	74256	03-JUL-2009	16:13:41.971	16:16:19.667	157.69600

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1.4 - List of missing products

Station	Orbit	Date	Start Time	Stop Time	Duration (s)
MM	74247	03-JUL-2009	00:40:56.739	00:51:47.540	650.80100
BE	74248	03-JUL-2009	01:48:43.491	01:59:44.549	661.05800
MM	74248	03-JUL-2009	02:23:24.649	02:32:08.155	523.50600
BE	74249	03-JUL-2009	03:27:20.075	03:40:30.263	790.18800
MM	74249	03-JUL-2009	04:06:29.625	04:12:57.579	387.95400
CM	74249	03-JUL-2009	02:57:28.449	03:06:19.252	530.80300
CM	74249	03-JUL-2009	04:34:57.281	04:46:47.249	709.96800
MM	74250	03-JUL-2009	05:49:00.240	05:54:54.241	354.00100
MM	74251	03-JUL-2009	07:30:12.042	07:37:55.636	463.59400
JO	74251	03-JUL-2009	07:09:01.082	07:21:47.885	766.80300
MM	74252	03-JUL-2009	09:10:41.502	09:20:44.293	602.79100
JO	74252	03-JUL-2009	08:47:08.767	09:01:41.637	872.87000
MM	74253	03-JUL-2009	10:50:52.431	11:02:36.076	703.64500
MM	74254	03-JUL-2009	12:30:49.871	12:43:23.423	753.55200

MA	74254	03-JUL-2009	11:51:59.579	11:57:05.330	305.75100
MM	74255	03-JUL-2009	14:10:32.929	14:23:16.643	763.71400
BE	74256	03-JUL-2009	14:44:14.021	14:57:07.959	773.93800
MM	74256	03-JUL-2009	15:49:59.826	16:02:35.678	755.85200
GS	74256	03-JUL-2009	15:10:48.521	15:24:02.931	794.41000
CM	74256	03-JUL-2009	15:21:00.820	15:29:54.609	533.78900
MM	74257	03-JUL-2009	17:29:12.174	17:41:43.842	751.66800
GS	74257	03-JUL-2009	16:50:14.054	17:03:20.167	786.11300
CM	74257	03-JUL-2009	16:58:53.587	17:10:37.886	704.29900
MM	74258	03-JUL-2009	19:08:20.870	19:20:59.388	758.51800
JO	74258	03-JUL-2009	19:29:04.271	19:40:41.282	697.01100
MM	74259	03-JUL-2009	20:47:46.690	21:00:30.509	763.81900
MA	74259	03-JUL-2009	19:47:03.237	19:59:41.197	757.96000
JO	74259	03-JUL-2009	21:07:00.062	21:21:48.701	888.63900
MM	74260	03-JUL-2009	22:27:52.923	22:40:17.637	744.71400

[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

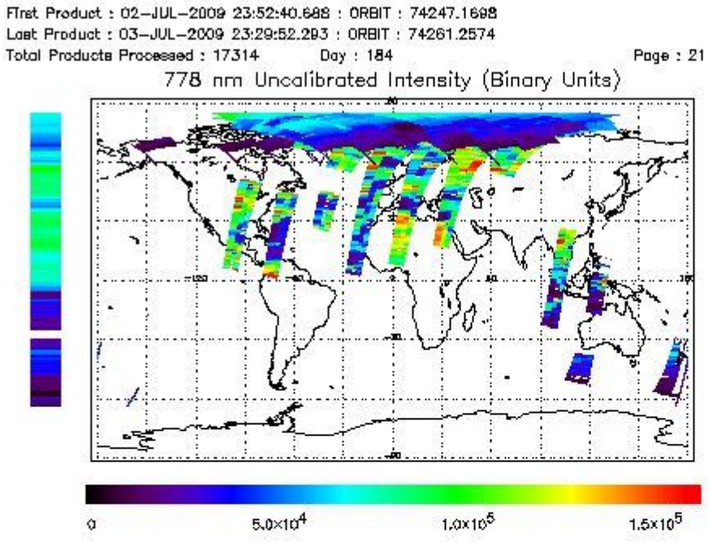
DDHU Temperatures	OK
Optical Bench Temperatures	OK
Other Temperatures B	OK
Calibration Lamp and Instr. Status 3	OK
Scan Mirror and Motor Current	OK
Selected Temperature A	OK
Selected Temperature B	Ok
Selected Temperature C	OK
Channel 1 Summation	OK
Channel 2 Summation	OK
Channel 4 Summation	OK
Log Pages	OK
331/338 nm Uncal. Line Ratio	OK
Uncal. PMDs as RGB signal	OK
780 nm Uncal. Intensity	OK

(1)

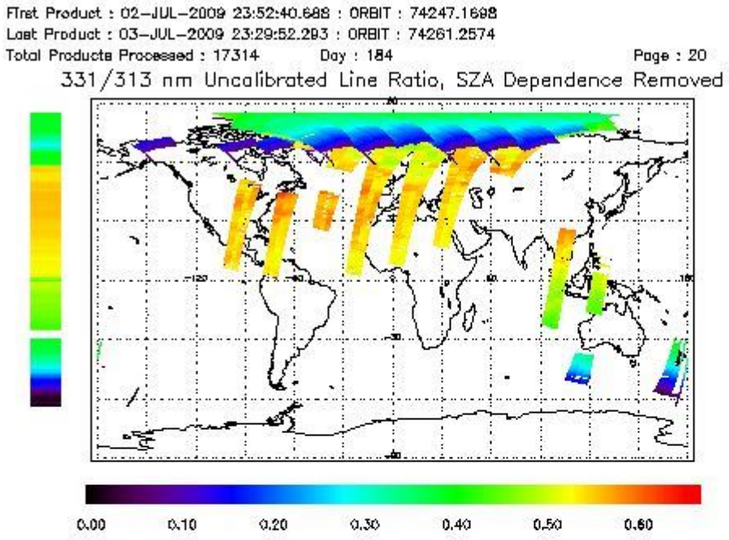
2.2 - Daily Plots

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

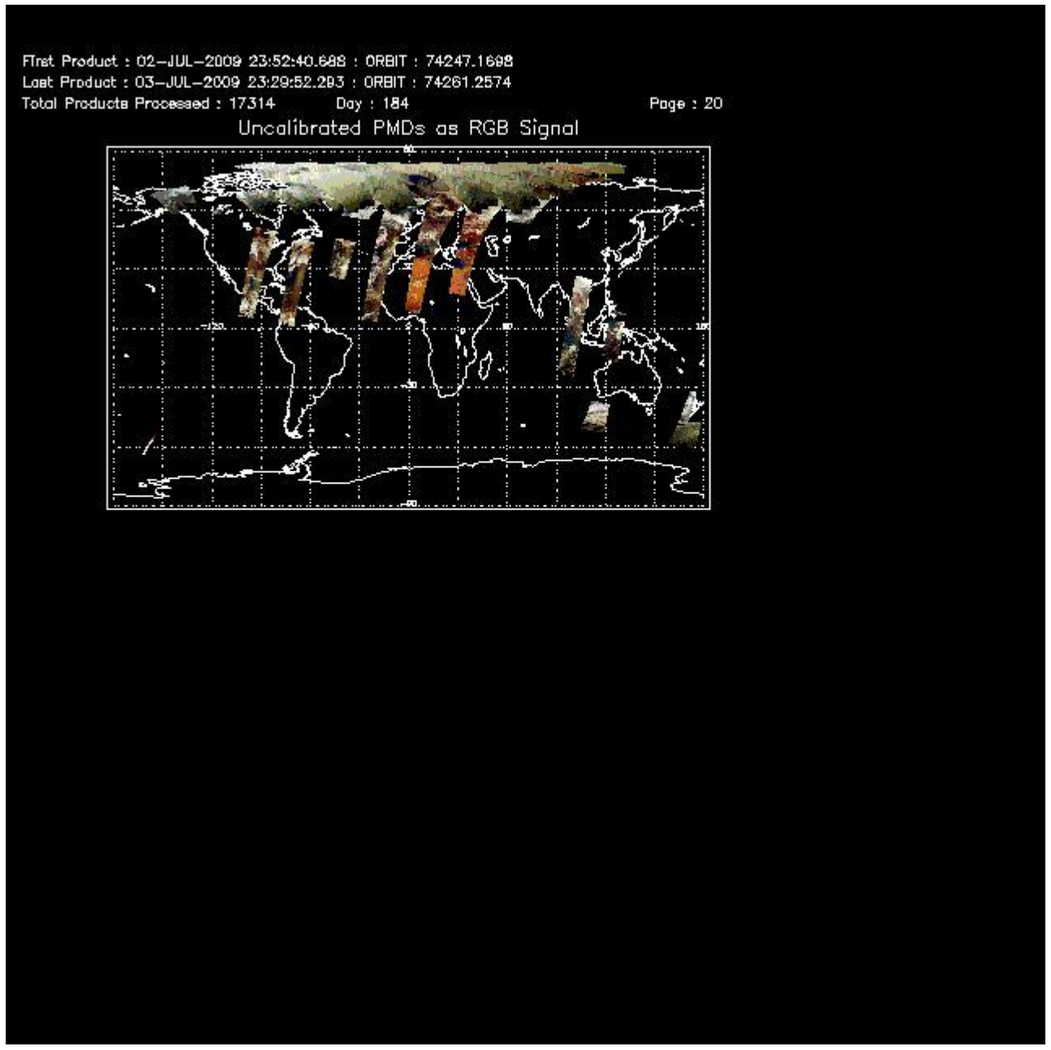
NEAR IR Intensity



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	19:59:24.520	--	74259	Y	--	14675

(2)(3)

3.2 - Lamp Calibration (Quarterly/TST44)

Quarterly(D)/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	Orbit End	Ground Station Visibility (Y/NS/NE)
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(2)

4.2 - Instrument Off

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

4.3 - Cooler Switchings

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

5.4 - Wrong Command Execution

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

5.5 - Narrow Swath Timeline

Start Time	End Time	Start Orbit	Orbit End
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5.6 - Seasonal Operations

Start Time	End Time	Start Orbit	Orbit End
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[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