GOME Daily Report

INDEX

1 - General Info

1.1 - Report Summary

Item	Value
Report Version	GOMEver3_3
Report of Day	21-JUL-2009
Start Time of First Product	00:12;17
Stop Time of Last Product	23:53:36
Number of EGOI Products analysed	43
Number of corrupted products	--
Anomalies and/or Special Operations	Nominal Data

1.2 - List of received products

Name	Date	Time
EGOI_090721BEEP0245.E2	21-JUL-2009	02:24:53.608
EGOI_090721BEEP0251.E2	21-JUL-2009	04:04:18.214
EGOI_090721GSEP4999.E2	21-JUL-2009	01:58:29.452
EGOI_090721GSEP5030.E2	21-JUL-2009	03:37:36.054
EGOI_090721GSEP5038.E2	21-JUL-2009	05:20:35.175
EGOI_090721HLEP2430.E2	21-JUL-2009	01:08:18.646
EGOI_090721HLEP2437.E2	21-JUL-2009	11:39:50.983
EGOI_090721HLEP2444.E2	21-JUL-2009	13:18:14.079
EGOI_090721HLEP2454.E2	21-JUL-2009	14:58:52.188

EGOI_090721HLEP2461.E2	21-JUL-2009	22:57:56.597
EGOI_090721KSEP7619.E2	21-JUL-2009	07:18:58.399
EGOI_090721KSEP7628.E2	21-JUL-2009	09:00:50.014
EGOI_090721KSEP7651.E2	21-JUL-2009	10:38:37.108
EGOI_090721KSEP7679.E2	21-JUL-2009	12:18:00.211
EGOI_090721KSEP7695.E2	21-JUL-2009	13:56:59.317
EGOI_090721KSEP7708.E2	21-JUL-2009	15:35:13.407
EGOI_090721KSEP7738.E2	21-JUL-2009	17:12:48.506
EGOI_090721KSEP7764.E2	21-JUL-2009	18:50:46.100
EGOI_090721KSEP7798.E2	21-JUL-2009	20:30:01.702
EGOI_090721KSEP7827.E2	21-JUL-2009	22:11:36.820
EGOI_090721MAEP1963.E2	21-JUL-2009	09:08:02.057
EGOI_090721MAEP1976.E2	21-JUL-2009	10:46:10.151
EGOI_090721MAEP1982.E2	21-JUL-2009	18:50:37.100
EGOI_090721MAEP2000.E2	21-JUL-2009	22:03:44.265
EGOI_090721MIEP4659.E2	21-JUL-2009	01:57:20.443
EGOI_090721MIEP4686.E2	21-JUL-2009	03:34:33.034
EGOI_090721MIEP4707.E2	21-JUL-2009	05:16:45.651
EGOI_090721MIEP4720.E2	21-JUL-2009	14:18:39.942
EGOI_090721MIEP4729.E2	21-JUL-2009	15:53:03.020
EGOI_090721MMEP6141.E2	21-JUL-2009	01:17:23.201
EGOI_090721MMEP6148.E2	21-JUL-2009	02:59:50.823
EGOI_090721MMEP6156.E2	21-JUL-2009	04:42:33.444
EGOI_090721MMEP6164.E2	21-JUL-2009	06:24:41.569
EGOI_090721MMEP6172.E2	21-JUL-2009	08:05:55.684
EGOI_090721MMEP6180.E2	21-JUL-2009	09:46:32.291
EGOI_090721MSEP1040.E2	21-JUL-2009	00:12:16.806
EGOI_090721MSEP1067.E2	21-JUL-2009	10:52:13.190
EGOI_090721MSEP1095.E2	21-JUL-2009	12:31:24.293
EGOI_090721MSEP1117.E2	21-JUL-2009	22:02:00.757
EGOI_090721MSEP1142.E2	21-JUL-2009	23:40:08.852
EGOI_090721SGEP8557.E2	21-JUL-2009	02:38:47.694
EGOI_090721SGEP8564.E2	21-JUL-2009	04:15:03.276
EGOI_090721SGEP8574.E2	21-JUL-2009	15:10:28.259
EGOI_090721SGEP8580.E2	21-JUL-2009	16:52:15.377

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1.3 - List of data gaps

Station	Orbit	Date	Start Time	Stop Time	Duration (s)
KS	74509	21-JUL-2009	07:16:56.442	07:18:58.399	121.95700
KS	74510	21-JUL-2009	08:56:27.189	09:00:50.013	262.82400
KS	74511	21-JUL-2009	10:36:04.296	10:38:37.108	152.81200
KS	74512	21-JUL-2009	12:15:28.422	12:18:00.210	151.78800

KS	74514	21-JUL-2009	15:32:27.908	15:35:13.407	165.49900
KS	74515	21-JUL-2009	17:10:11.822	17:12:48.506	156.68400
KS	74516	21-JUL-2009	18:48:22.591	18:50:46.099	143.50800
KS	74517	21-JUL-2009	20:27:57.731	20:30:01.702	123.97100
KS	74518	21-JUL-2009	22:09:34.437	22:11:36.820	122.38300
KS	74519	21-JUL-2009	23:54:12.978	23:55:44.946	91.968000
GS	74506	21-JUL-2009	01:56:38.005	01:58:29.452	111.44700
GS	74507	21-JUL-2009	03:35:44.442	03:37:36.054	111.61200
MS	74505	21-JUL-2009	00:10:01.879	00:12:16.805	134.92600
MS	74511	21-JUL-2009	10:49:36.087	10:52:13.190	157.10300
MS	74512	21-JUL-2009	12:28:44.392	12:31:24.293	159.90100
MS	74518	21-JUL-2009	21:59:54.645	22:02:00.757	126.11200
MS	74519	21-JUL-2009	23:37:51.889	23:40:08.851	136.96200
MA	74510	21-JUL-2009	09:05:33.912	09:08:02.057	148.14500
MA	74511	21-JUL-2009	10:44:09.311	10:46:10.151	120.84000
MA	74516	21-JUL-2009	18:47:33.289	18:50:37.099	183.81000
MA	74518	21-JUL-2009	22:01:51.331	22:03:44.264	112.93300
MI	74506	21-JUL-2009	01:54:59.947	01:57:20.443	140.49600
MI	74507	21-JUL-2009	03:30:25.777	03:34:33.034	247.25700
MI	74508	21-JUL-2009	05:14:50.826	05:16:45.651	114.82500
MI	74514	21-JUL-2009	15:50:36.072	15:53:03.020	146.94800
MM	74505	21-JUL-2009	01:15:57.998	01:17:23.201	85.203000
MM	74506	21-JUL-2009	02:58:43.654	02:59:50.823	67.169000
MM	74509	21-JUL-2009	08:04:42.248	08:05:55.683	73.435000
MM	74510	21-JUL-2009	09:45:04.007	09:46:32.291	88.284000
BE	74506	21-JUL-2009	02:22:10.148	02:24:53.608	163.46000
BE	74507	21-JUL-2009	04:01:44.169	04:04:18.214	154.04500
SG	74506	21-JUL-2009	02:34:07.147	02:38:47.693	280.54600
SG	74507	21-JUL-2009	04:12:53.022	04:15:03.275	130.25300
SG	74513	21-JUL-2009	15:07:55.118	15:10:28.258	153.14000
SG	74514	21-JUL-2009	16:49:34.406	16:52:15.377	160.97100

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1.4 - List of missing products

Station	Orbit	Date	Start Time	Stop Time	Duration (s)
CM	74506	21-JUL-2009	03:29:55.330	03:41:30.922	695.59200

CM	74507	21-JUL-2009	05:10:20.858	05:19:38.423	557.56500
JO	74509	21-JUL-2009	07:41:58.240	07:56:28.008	869.76800
JO	74510	21-JUL-2009	09:22:15.033	09:34:58.979	763.94600
MM	74511	21-JUL-2009	11:25:10.208	11:37:16.450	726.24200
MM	74512	21-JUL-2009	13:05:02.918	13:17:43.471	760.55300
MM	74513	21-JUL-2009	14:44:40.602	14:57:22.411	761.80900
KS	74513	21-JUL-2009	13:54:22.758	14:06:21.237	718.47900
GS	74513	21-JUL-2009	14:06:59.370	14:15:41.859	522.48900
BE	74514	21-JUL-2009	15:19:22.550	15:30:37.710	675.16000
MM	74514	21-JUL-2009	16:24:01.952	16:36:35.154	753.20200
GS	74514	21-JUL-2009	15:44:42.443	15:58:35.862	833.41900
CM	74514	21-JUL-2009	15:53:44.694	16:05:26.343	701.64900
MM	74515	21-JUL-2009	18:03:11.264	18:15:44.297	753.03300
MI	74515	21-JUL-2009	17:31:58.108	17:39:59.874	481.76600
GS	74515	21-JUL-2009	17:24:41.279	17:36:21.227	699.94800
CM	74515	21-JUL-2009	17:33:59.121	17:43:12.460	553.33900
MM	74516	21-JUL-2009	19:42:23.147	19:55:04.734	761.58700
JO	74516	21-JUL-2009	20:02:04.650	20:16:09.472	844.82200
MM	74517	21-JUL-2009	21:22:00.358	21:34:41.536	761.17800
MA	74517	21-JUL-2009	20:20:22.742	20:34:10.036	827.29400
JO	74517	21-JUL-2009	21:41:29.918	21:55:02.787	812.86900
MM	74518	21-JUL-2009	23:02:24.952	23:14:33.665	728.71300

[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

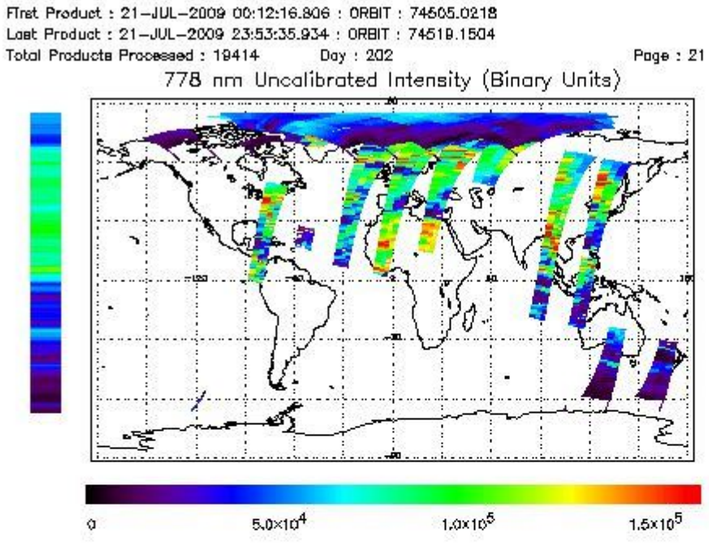
Integration Times Band 2A	OK
Integration Times Band 2B	OK
Integration Times Band 3	OK
Integration Times Band 4	OK
Scan Mirror position	OK
Polarization Detectors	OK
FPA Temperatures A	OK
FPA Temperaturas B	OK
Charge Amp Temperatures	OK
Other Temperatures A	OK
DDHU Temperatures	OK
Optical Bench Temperatures	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)

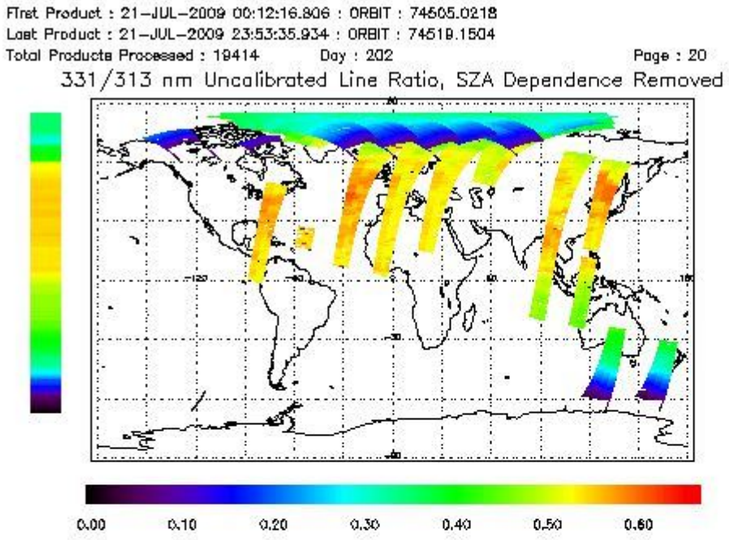
2.2 - Daily Plots

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

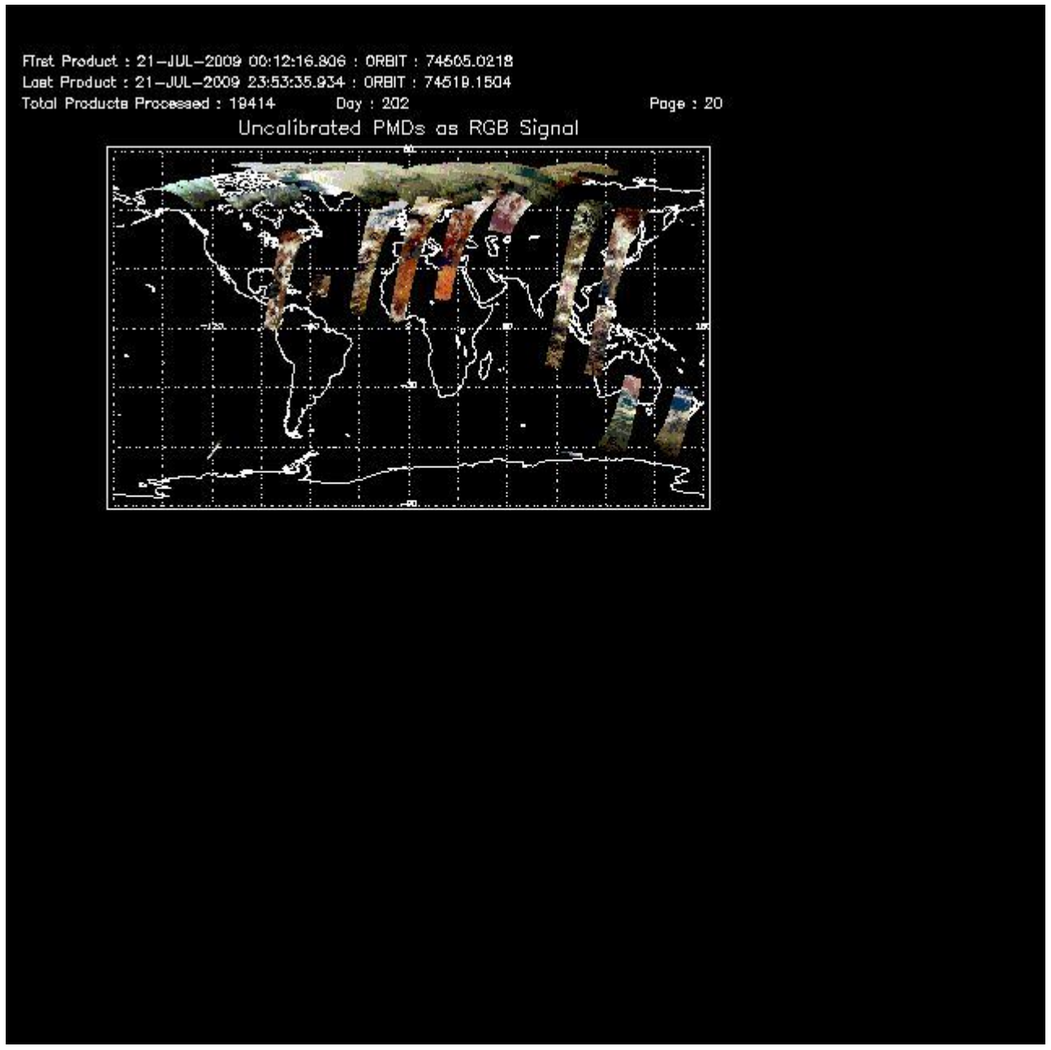
NEAR IR Intensity



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	17:13:36.500	--	74515	Y	--	14690

(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)

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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
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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