GOME Daily Report

INDEX

1 - General Info

1.1 - Report Summary

Item	Value
Report Version	GOMEver3_3
Report of Day	31-JUL-2009
Start Time of First Product	23:57:34 (30-JUL-2009)
Stop Time of Last Product	23:49:49
Number of EGOI Products analysed	34
Number of corrupted products	--
Anomalies and/or Special Operations	Nominal Data

1.2 - List of received products

Name	Date	Time
EGOI_090731BEEP0310.E2	31-JUL-2009	02:10:55.244
EGOI_090731BEEP0317.E2	31-JUL-2009	03:50:00.347
EGOI_090731GSEP5740.E2	31-JUL-2009	01:44:40.084
EGOI_090731GSEP5771.E2	31-JUL-2009	03:23:22.686
EGOI_090731GSEP5780.E2	31-JUL-2009	05:18:41.386
EGOI_090731KSEP0368.E2	31-JUL-2009	07:04:46.533
EGOI_090731KSEP0386.E2	31-JUL-2009	08:44:44.144
EGOI_090731KSEP0406.E2	31-JUL-2009	10:24:26.749
EGOI_090731KSEP0432.E2	31-JUL-2009	12:03:57.352

EGOI_090731KSEP0451.E2	31-JUL-2009	13:42:50.451
EGOI_090731KSEP0462.E2	31-JUL-2009	15:21:25.554
EGOI_090731KSEP0493.E2	31-JUL-2009	16:58:53.144
EGOI_090731KSEP0528.E2	31-JUL-2009	18:36:50.746
EGOI_090731KSEP0549.E2	31-JUL-2009	20:15:40.841
EGOI_090731KSEP0578.E2	31-JUL-2009	21:56:59.463
EGOI_090731KSEP0603.E2	31-JUL-2009	23:40:49.589
EGOI_090731MIEP5558.E2	31-JUL-2009	01:44:55.088
EGOI_090731MIEP5582.E2	31-JUL-2009	03:18:40.659
EGOI_090731MIEP5605.E2	31-JUL-2009	05:00:56.276
EGOI_090731MMEP6660.E2	31-JUL-2009	04:27:56.077
EGOI_090731MMEP6667.E2	31-JUL-2009	06:10:14.701
EGOI_090731MMEP6672.E2	31-JUL-2009	09:32:12.931
EGOI_090731MMEP6680.E2	31-JUL-2009	11:12:25.537
EGOI_090731MMEP6688.E2	31-JUL-2009	14:31:52.248
EGOI_090731MMEP6699.E2	31-JUL-2009	17:51:45.959
EGOI_090731MSEP2201.E2	30-JUL-2009	23:57:34.940
EGOI_090731MSEP2221.E2	31-JUL-2009	10:38:31.335
EGOI_090731MSEP2249.E2	31-JUL-2009	12:17:03.430
EGOI_090731MSEP2275.E2	31-JUL-2009	21:48:24.904
EGOI_090731MSEP2303.E2	31-JUL-2009	23:25:47.999
EGOI_090731SGEP8852.E2	31-JUL-2009	02:22:50.815
EGOI_090731SGEP8861.E2	31-JUL-2009	04:05:30.440
EGOI_090731SGEP8869.E2	31-JUL-2009	14:56:17.901
EGOI_090731SGEP8878.E2	31-JUL-2009	16:37:08.015

[BACK TO MENU]

1.3 - List of data gaps

Station	Orbit	Date	Start Time	Stop Time	Duration (s)
KS	74652	31-JUL-2009	07:02:46.138	07:04:46.533	120.39500
KS	74653	31-JUL-2009	08:42:13.253	08:44:44.143	150.89000
KS	74654	31-JUL-2009	10:21:50.825	10:24:26.749	155.92400
KS	74655	31-JUL-2009	12:01:17.869	12:03:57.352	159.48300
KS	74656	31-JUL-2009	13:40:16.117	13:42:50.451	154.33400
KS	74657	31-JUL-2009	15:18:30.488	15:21:25.554	175.06600
KS	74658	31-JUL-2009	16:56:11.972	16:58:53.143	161.17100
KS	74659	31-JUL-2009	18:34:16.737	18:36:50.746	154.00900
KS	74660	31-JUL-2009	20:13:37.577	20:15:40.841	123.26400
KS	74661	31-JUL-2009	21:54:54.465	21:56:59.463	124.99800
KS	74662	31-JUL-2009	23:38:58.615	23:40:49.588	110.97300
GS	74649	31-JUL-2009	01:42:50.094	01:44:40.084	109.99000

GS	74650	31-JUL-2009	03:21:18.243	03:23:22.685	124.44200
MS	74648	30-JUL-2009	23:55:18.549	23:57:34.939	136.39000
MS	74654	31-JUL-2009	10:35:51.966	10:38:31.334	159.36800
MS	74655	31-JUL-2009	12:14:24.034	12:17:03.430	159.39600
MS	74662	31-JUL-2009	23:23:29.059	23:25:47.999	138.94000
MI	74649	31-JUL-2009	01:43:03.304	01:44:55.088	111.78400
MM	74653	31-JUL-2009	09:30:44.853	09:32:12.931	88.078000
MM	74654	31-JUL-2009	11:10:52.991	11:12:25.537	92.546000
MM	74656	31-JUL-2009	14:30:27.642	14:31:52.248	84.606000
MM	74658	31-JUL-2009	17:49:01.663	17:51:45.959	164.29600
BE	74649	31-JUL-2009	02:08:10.114	02:10:55.244	165.13000
BE	74650	31-JUL-2009	03:47:22.061	03:50:00.347	158.28600
SG	74649	31-JUL-2009	02:20:41.207	02:22:50.814	129.60700
SG	74650	31-JUL-2009	03:58:21.750	04:05:30.439	428.68900
SG	74656	31-JUL-2009	14:53:59.839	14:56:17.901	138.06200
SG	74657	31-JUL-2009	16:34:24.468	16:37:08.015	163.54700

[BACK TO MENU]

1.4 - List of missing products

Station	Orbit	Date	Start Time	Stop Time	Duration (s)
HO	74648	31-JUL-2009	00:49:31.322	01:03:24.489	833.16700
MM	74648	31-JUL-2009	01:01:21.567	01:11:50.253	628.68600
KS	74648	31-JUL-2009	00:12:47.623	00:16:50.239	242.61600
MM	74649	31-JUL-2009	02:44:00.276	02:52:14.913	494.63700
CM	74650	31-JUL-2009	03:16:14.247	03:26:58.912	644.66500
CM	74650	31-JUL-2009	04:55:25.937	05:06:06.083	640.14600
MM	74652	31-JUL-2009	07:50:20.132	07:58:32.551	492.41900
JO	74652	31-JUL-2009	07:28:08.444	07:42:04.943	836.49900
MA	74653	31-JUL-2009	08:51:17.205	09:03:41.235	744.03000
JO	74653	31-JUL-2009	09:07:30.631	09:21:11.851	821.22000
HO	74654	31-JUL-2009	11:21:21.068	11:31:59.542	638.47400
MA	74654	31-JUL-2009	10:29:51.977	10:41:53.198	721.22100
HO	74655	31-JUL-2009	12:59:23.288	13:14:12.702	889.41400
MM	74655	31-JUL-2009	12:50:47.692	13:03:25.857	758.16500
HO	74656	31-JUL-2009	14:39:42.818	14:50:47.517	664.69900
BE	74657	31-JUL-2009	15:04:37.740	15:16:44.135	726.39500

MM	74657	31-JUL-2009	16:09:51.274	16:22:25.464	754.19000
MI	74657	31-JUL-2009	15:36:31.190	15:49:38.172	786.98200
GS	74657	31-JUL-2009	15:30:33.223	15:44:16.325	823.10200
CM	74657	31-JUL-2009	15:39:57.083	15:50:48.560	651.47700
MI	74658	31-JUL-2009	17:17:02.503	17:26:53.606	591.10300
GS	74658	31-JUL-2009	17:10:18.413	17:22:39.844	741.43100
CM	74658	31-JUL-2009	17:19:14.229	17:29:47.652	633.42300
MM	74659	31-JUL-2009	19:28:11.889	19:40:52.268	760.37900
JO	74659	31-JUL-2009	19:48:13.191	20:01:30.711	797.52000
MM	74660	31-JUL-2009	21:07:44.024	21:20:26.715	762.69100
MA	74660	31-JUL-2009	20:06:25.508	20:19:58.503	812.99500
JO	74660	31-JUL-2009	21:27:04.189	21:41:17.418	853.22900
HO	74661	31-JUL-2009	22:39:46.746	22:52:34.710	767.96400
MM	74661	31-JUL-2009	22:48:00.730	23:00:16.792	736.06200
MA	74661	31-JUL-2009	21:47:01.222	21:58:48.510	707.28800

[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	OK
Polarization Detectors	OK
FPA Temperatures A	OK
FPA Temperaturas B	OK
Charge Amp Temperatures	OK
Other Temperatures A	OK

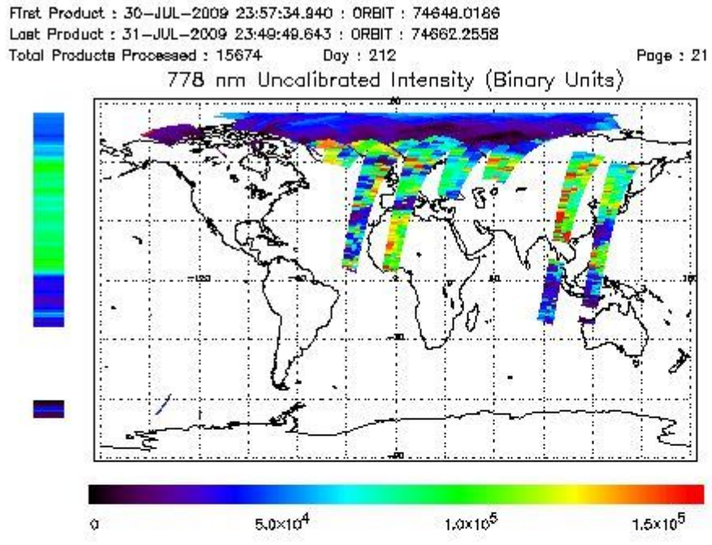
DDHU Temperatures	OK
Optical Bench Temperatures	OK
Other Temperatures B	OK
Calibration Lamp and Instr. Status 3	OK
Scan Mirror and Motor Current	OK
Selected Temperature A	OK
Selected Temperature B	OK
Selected Temperature C	OK
Channel 1 Summation	OK
Channel 2 Summation	OK
Channel 4 Summation	OK
Log Pages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

(1)

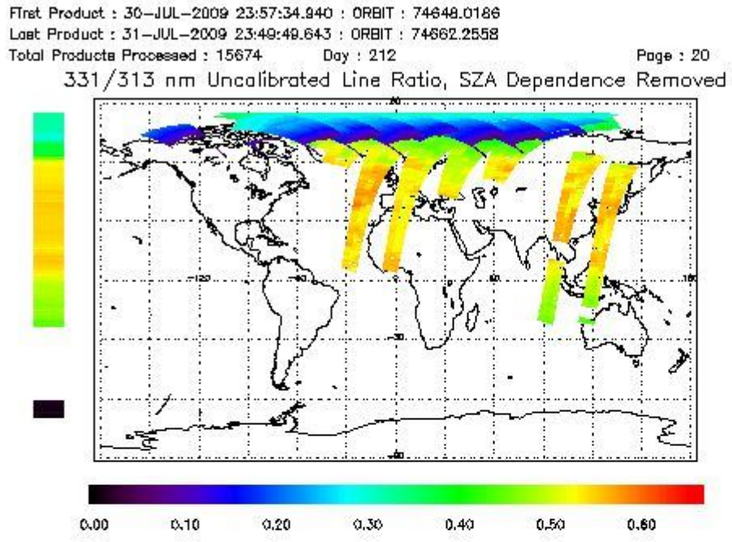
2.2 - Daily Plots

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

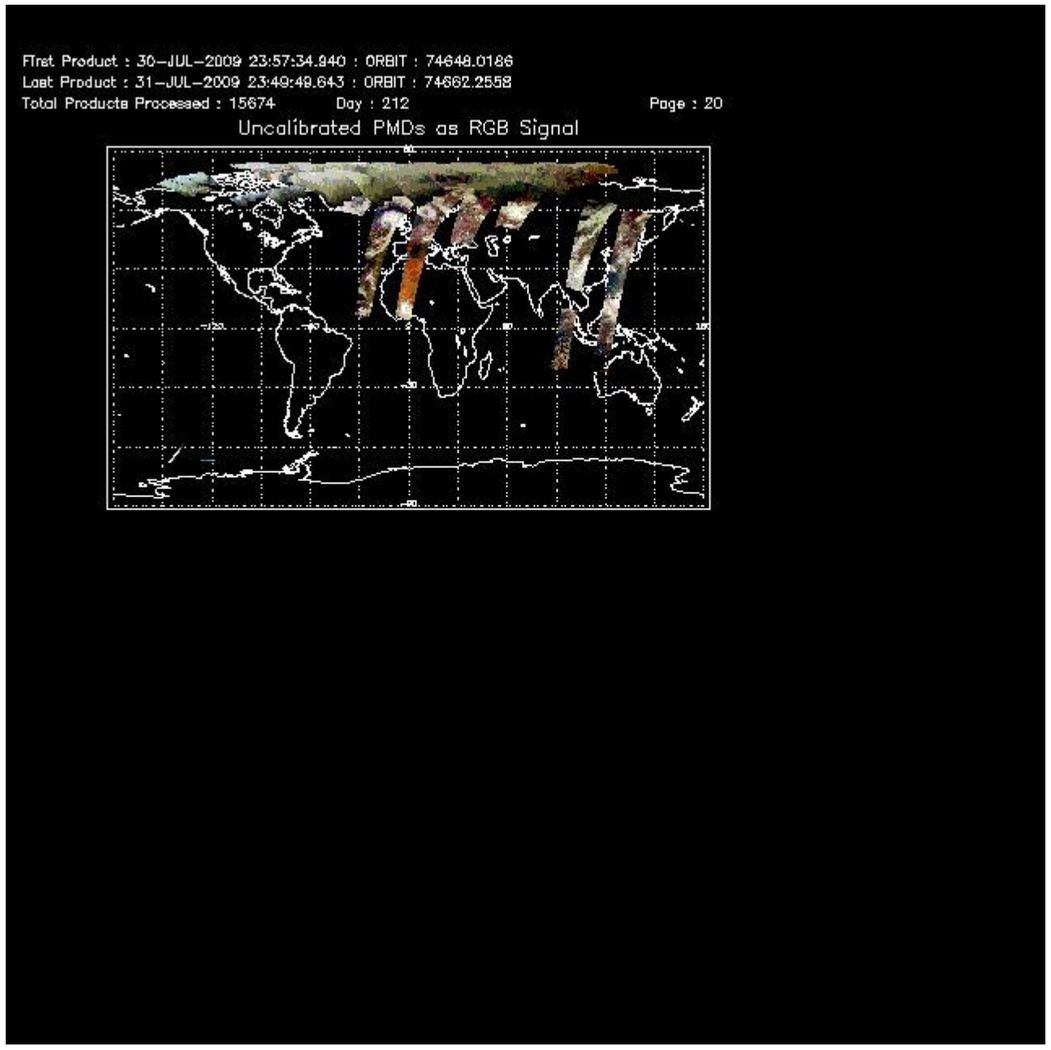
NEAR IR Intensity



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	18:40:32	--	74659	Y	--	14695

(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
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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