GOME Daily Report

INDEX

1 - General Info

1.1 - Report Summary

Item	Value
Report Version	GOMEver3_3
Report of Day	27-Jul-2009
Start Time of First Product	00:24:22
Stop Time of Last Product	23:28:42
Number of EGOI Products analysed	40
Number of corrupted products	--
Anomalies and/or Special Operations	Nominal Data

1.2 - List of received products

Name	Date	Time
EGOI_090727BEEP0283.E2	27-JUL-2009	04:15:52.429
EGOI_090727GSEP5464.E2	27-JUL-2009	02:09:59.167
EGOI_090727GSEP5491.E2	27-JUL-2009	03:49:29.773
EGOI_090727GSEP5499.E2	27-JUL-2009	05:32:00.394
EGOI_090727HLEP2666.E2	27-JUL-2009	01:20:04.861
EGOI_090727HLEP2673.E2	27-JUL-2009	11:50:55.204
EGOI_090727HLEP2680.E2	27-JUL-2009	13:29:39.302
EGOI_090727HLEP2689.E2	27-JUL-2009	15:10:35.416
EGOI_090727HLEP2698.E2	27-JUL-2009	21:36:25.764

EGOI_090727HLEP2705.E2	27-JUL-2009	23:08:54.828
EGOI_090727KSEP9290.E2	27-JUL-2009	07:30:25.115
EGOI_090727KSEP9311.E2	27-JUL-2009	09:10:21.225
EGOI_090727KSEP9337.E2	27-JUL-2009	10:50:00.832
EGOI_090727KSEP9365.E2	27-JUL-2009	12:29:20.934
EGOI_090727KSEP9381.E2	27-JUL-2009	14:08:18.537
EGOI_090727KSEP9399.E2	27-JUL-2009	15:46:16.131
EGOI_090727KSEP9429.E2	27-JUL-2009	17:24:07.726
EGOI_090727KSEP9453.E2	27-JUL-2009	19:01:57.821
EGOI_090727KSEP9486.E2	27-JUL-2009	20:41:34.428
EGOI_090727KSEP9514.E2	27-JUL-2009	22:23:26.054
EGOI_090727MAEP2205.E2	27-JUL-2009	09:17:40.772
EGOI_090727MAEP2212.E2	27-JUL-2009	11:07:32.438
EGOI_090727MIEP5234.E2	27-JUL-2009	02:07:36.652
EGOI_090727MIEP5256.E2	27-JUL-2009	03:44:16.241
EGOI_090727MIEP5275.E2	27-JUL-2009	14:28:08.154
EGOI_090727MIEP5292.E2	27-JUL-2009	16:04:19.245
EGOI_090727MIEP5300.E2	27-JUL-2009	17:46:24.366
EGOI_090727MMEP6447.E2	27-JUL-2009	04:54:18.167
EGOI_090727MMEP6454.E2	27-JUL-2009	06:36:21.784
EGOI_090727MMEP6465.E2	27-JUL-2009	11:38:17.626
EGOI_090727MMEP6473.E2	27-JUL-2009	13:18:00.232
EGOI_090727MMEP6480.E2	27-JUL-2009	14:57:33.834
EGOI_090727MMEP6490.E2	27-JUL-2009	23:15:38.371
EGOI_090727MSEP1746.E2	27-JUL-2009	00:24:22.525
EGOI_090727MSEP1769.E2	27-JUL-2009	11:03:18.915
EGOI_090727MSEP1796.E2	27-JUL-2009	12:42:48.020
EGOI_090727MSEP1819.E2	27-JUL-2009	22:12:54.483
EGOI_090727SGEP8725.E2	27-JUL-2009	02:47:24.894
EGOI_090727SGEP8735.E2	27-JUL-2009	04:26:44.995
EGOI_090727SGEP8744.E2	27-JUL-2009	17:04:40.608

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1.3 - List of data gaps

Station	Orbit	Date	Start Time	Stop Time	Duration (s)
KS	74595	27-JUL-2009	07:28:17.467	07:30:25.115	127.64800
KS	74596	27-JUL-2009	09:07:50.406	09:10:21.224	150.81800
KS	74597	27-JUL-2009	10:47:26.887	10:50:00.832	153.94500
KS	74598	27-JUL-2009	12:26:48.403	12:29:20.933	152.53000
KS	74599	27-JUL-2009	14:05:41.590	14:08:18.537	156.94700
KS	74600	27-JUL-2009	15:43:38.233	15:46:16.130	157.89700
KS	74601	27-JUL-2009	17:21:29.748	17:24:07.725	157.97700
KS	74602	27-JUL-2009	18:59:40.498	19:01:57.820	137.32200

KS	74603	27-JUL-2009	20:39:27.623	20:41:34.427	126.80400
KS	74604	27-JUL-2009	22:21:20.888	22:23:26.054	125.16600
GS	74592	27-JUL-2009	02:07:44.303	02:09:59.166	134.86300
GS	74593	27-JUL-2009	03:47:22.059	03:49:29.772	127.71300
MS	74591	27-JUL-2009	00:21:57.771	00:24:22.525	144.75400
MS	74597	27-JUL-2009	11:00:39.892	11:03:18.914	159.02200
MS	74598	27-JUL-2009	12:40:15.480	12:42:48.019	152.53900
MS	74604	27-JUL-2009	22:10:45.359	22:12:54.483	129.12400
MS	74605	27-JUL-2009	23:49:28.185	23:51:46.088	137.90300
MA	74596	27-JUL-2009	09:16:23.990	09:17:40.772	76.782000
MI	74592	27-JUL-2009	02:05:17.998	02:07:36.651	138.65300
MI	74593	27-JUL-2009	03:41:49.565	03:44:16.241	146.67600
MI	74599	27-JUL-2009	14:25:59.567	14:28:08.153	128.58600
MI	74600	27-JUL-2009	16:01:55.832	16:04:19.244	143.41200
MI	74601	27-JUL-2009	17:44:13.919	17:46:24.365	130.44600
MM	74597	27-JUL-2009	11:36:35.786	11:38:17.625	101.83900
MM	74598	27-JUL-2009	13:16:26.882	13:18:00.232	93.350000
MM	74599	27-JUL-2009	14:56:02.722	14:57:33.834	91.112000
MM	74604	27-JUL-2009	23:13:57.257	23:15:38.370	101.11300
BE	74593	27-JUL-2009	04:13:16.296	04:15:52.429	156.13300
SG	74592	27-JUL-2009	02:45:02.240	02:47:24.893	142.65300
SG	74593	27-JUL-2009	04:24:37.539	04:26:44.995	127.45600

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1.4 - List of missing products

Station	Orbit	Date	Start Time	Stop Time	Duration (s)
HO	74591	27-JUL-2009	01:15:43.495	01:28:32.734	769.23900
MM	74591	27-JUL-2009	01:27:40.044	01:37:37.537	597.49300
BE	74592	27-JUL-2009	02:33:25.248	02:46:32.007	786.75900
MM	74592	27-JUL-2009	03:10:30.697	03:18:08.339	457.64200
CM	74592	27-JUL-2009	03:40:59.991	03:53:02.614	722.62300
KS	74594	27-JUL-2009	05:49:59.233	05:52:29.518	150.28500
CM	74594	27-JUL-2009	05:22:33.149	05:30:13.017	459.86800
MM	74595	27-JUL-2009	08:16:11.521	08:25:00.995	529.47400
JO	74595	27-JUL-2009	07:53:07.544	08:07:55.211	887.66700
MM	74596	27-JUL-2009	09:56:31.114	10:07:26.325	655.21100

JO	74596	27-JUL-2009	09:34:11.480	09:45:53.488	702.00800
HO	74599	27-JUL-2009	15:05:55.402	15:14:40.125	524.72300
GS	74599	27-JUL-2009	14:17:53.258	14:27:53.106	599.84800
SG	74599	27-JUL-2009	15:19:09.368	15:33:00.774	831.40600
BE	74600	27-JUL-2009	15:31:18.476	15:41:39.082	620.60600
MM	74600	27-JUL-2009	16:35:22.301	16:47:54.863	752.56200
GS	74600	27-JUL-2009	15:56:03.366	16:09:59.470	836.10400
CM	74600	27-JUL-2009	16:04:53.527	16:17:00.599	727.07200
MM	74601	27-JUL-2009	18:14:30.970	18:27:04.747	753.77700
GS	74601	27-JUL-2009	17:36:13.451	17:47:13.798	660.34700
CM	74601	27-JUL-2009	17:45:59.467	17:53:41.565	462.09800
MM	74602	27-JUL-2009	19:53:44.521	20:06:26.953	762.43200
MA	74602	27-JUL-2009	18:58:20.875	19:03:08.703	287.82800
JO	74602	27-JUL-2009	20:13:14.601	20:27:45.948	871.34700
MM	74603	27-JUL-2009	21:33:26.127	21:46:05.621	759.49400
MA	74603	27-JUL-2009	20:31:36.613	20:45:19.341	822.72800
JO	74603	27-JUL-2009	21:53:06.480	22:05:56.653	770.17300
HO	74604	27-JUL-2009	23:04:43.765	23:18:21.242	817.47700
MA	74604	27-JUL-2009	22:14:23.285	22:23:39.123	555.83800

[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)

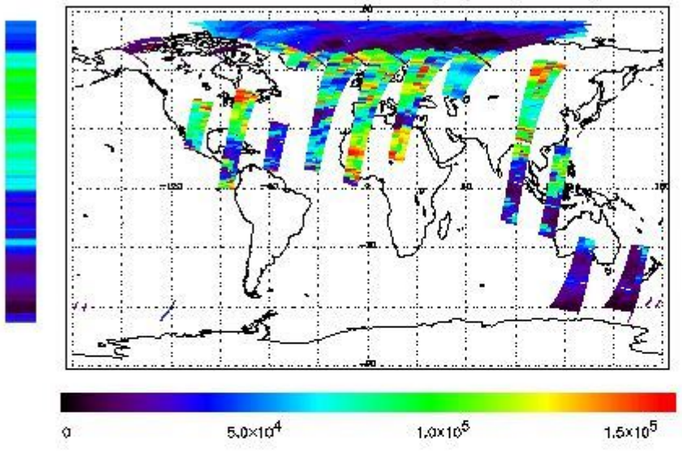
2.2 - Daily Plots

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

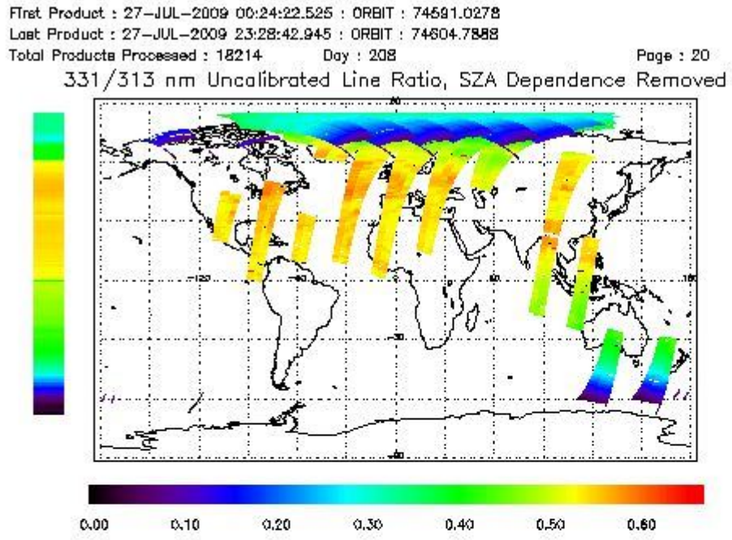
NEAR IR Intensity

FIrst Product : 27-JUL-2009 00:24:22.525 : ORBIT : 74591.0278
Last Product : 27-JUL-2009 23:28:42.945 : ORBIT : 74604.7888
Total Products Processed : 18214 Day : 208 Page : 21

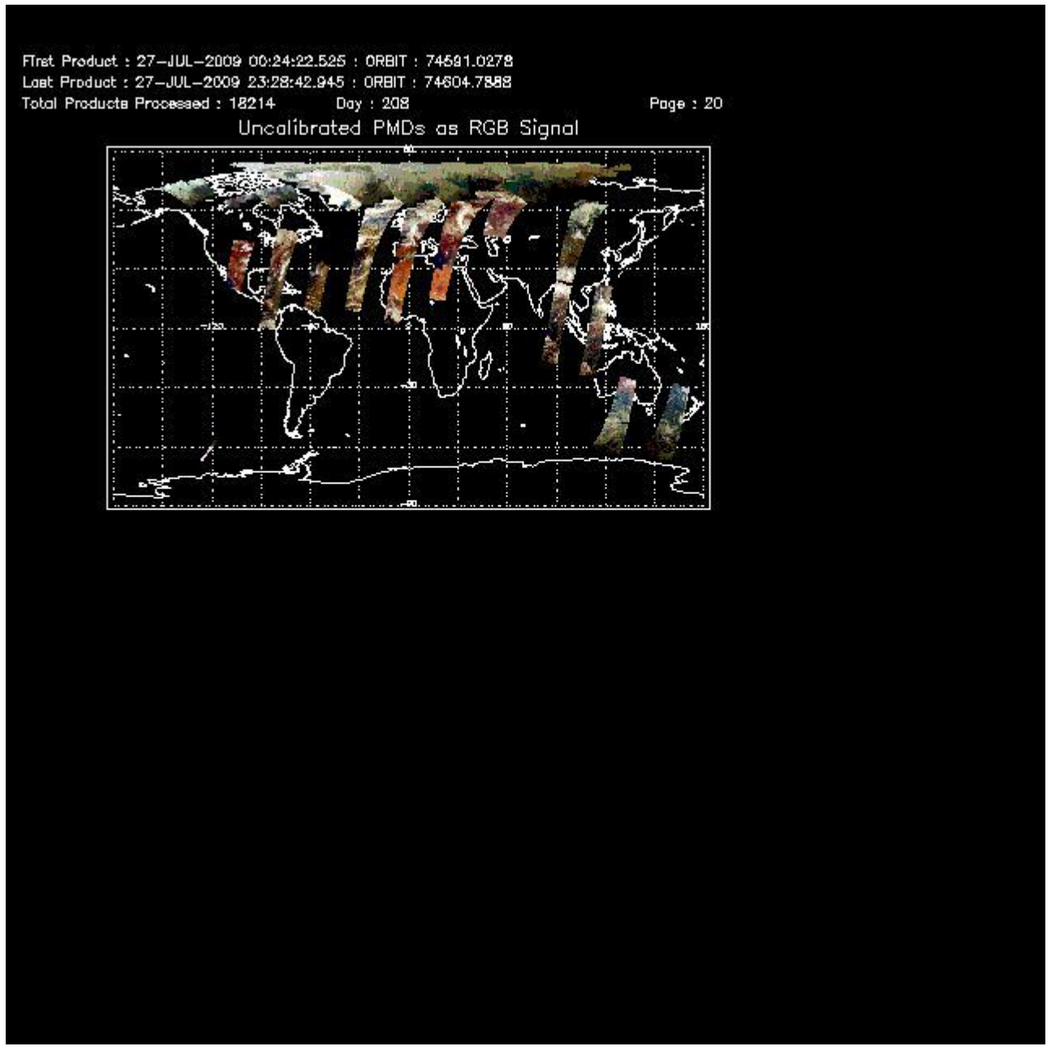
778 nm Uncalibrated Intensity (Binary Units)



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	17:25:33	--	74601	Y	--	14715

(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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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